

CARGO SECURITY FIELD TEST

FINAL REPORT

Volume III: Part 1

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Prepared For

THE AEROSPACE CORPORATION

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SYSTEM TEST PLAN
CARGO SECURITY
FIELD TEST HARDWARE FABRICATION,
INSTALLATION, AND MAINTENANCE

Prepared For
THE AEROSPACE CORPORATION

In response to
Cargo Security System Program

Contract #J-LEAA-025-73

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Prepared by
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Fort Worth, Texas

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SECTION 1

INTRODUCTION

This document is the plan for all testing to be done on the Cargo Security System. Tests are divided into four phases: Qualification, Integration, Acceptance, and Final System Test.

Qualification tests are to be performed on the Hoffman manufactured items which are the Signpost Data Controller and the AM Phase Unit. Qualification tests will be done for temperature and vibration. The limits are taken from the Operational Design of a Cargo Security System (ATR-75(7908)-3).

Integration testing will be done in Fort Worth using a full Cargo Security System simulating only Location Support (AM Phase), phone lines, and actual sensors. The system will be thoroughly checked for proper functioning prior to shipment to Los Angeles for installation. Because of the extensive testing done during integration testing, the Acceptance Test description is very similar to the Integration Test description.

Acceptance testing includes most integration tests and controlled tests using the actual sensors (at night), communication tests and location tests (using a Hoffman vehicle). Uncontrolled testing will consist of a correlation between an observer log in a truck and the received and recorded information at the Base Station or Dispatch Station.

Final system testing will be done to verify the efficacy of any required or mutually agreed changes to the system implemented during the 2-1/2 month system shakedown.

APPENDIX A

SYSTEM TEST PLAN

SECTION 2

QUALIFICATION TEST PHASE

System/Subsystem Name: AM Phase Unit

Test Objective:

To verify the operation of the AM Phase Unit under ambient and extreme environmental conditions of temperature and vibration test criteria. This test is to be performed on production unit #1.

Test Criteria:

1. The measured sensitivity is to be less than or equal to one microvolt at 0°F. The unit will track through 150° of phase shift and return to zero without gaining or losing counts on either phase pair.
2. The measured sensitivity is to be less than or equal to one microvolt at 180°F. The unit will track through 150° of phase shift and return to zero without gaining or losing counts on either phase pair. Use an oscilloscope to measure the input phases and the LED's to output the phase shift calculated by the unit.
3. The measured sensitivity is to be less than or equal to one microvolt at 70°F. The unit will track through 150° of phase shift and return to zero without gaining or losing on either phase pair.
4. The unit will be vibrated at 2 g RMS on all three axes within the frequency range of 7-500 Hz for two hours and then tested at 70°F. The measured sensitivity must be less than or equal to one microvolt and the unit must track through 150° of phase shift without gaining or losing counts on either phase pair.
5. Repeat Test 3 at 10 and 15 volts.

- Test Equipment Required:
1. Temperature chamber
 2. LED AM phase readout unit
 3. 2 channel oscilloscope
 4. Production AM phase unit #1
 5. Attenuator test box
 6. Phase shifter test box
 7. 3 radio station simulator
 8. Vibration table
 9. 12 volt supply

Test Procedure - Temperature

Connect the equipment as shown in Figure 1 below. For the 70°F measurements, adjust the attenuator at room temperature until the AM phase unit is frozen continuously

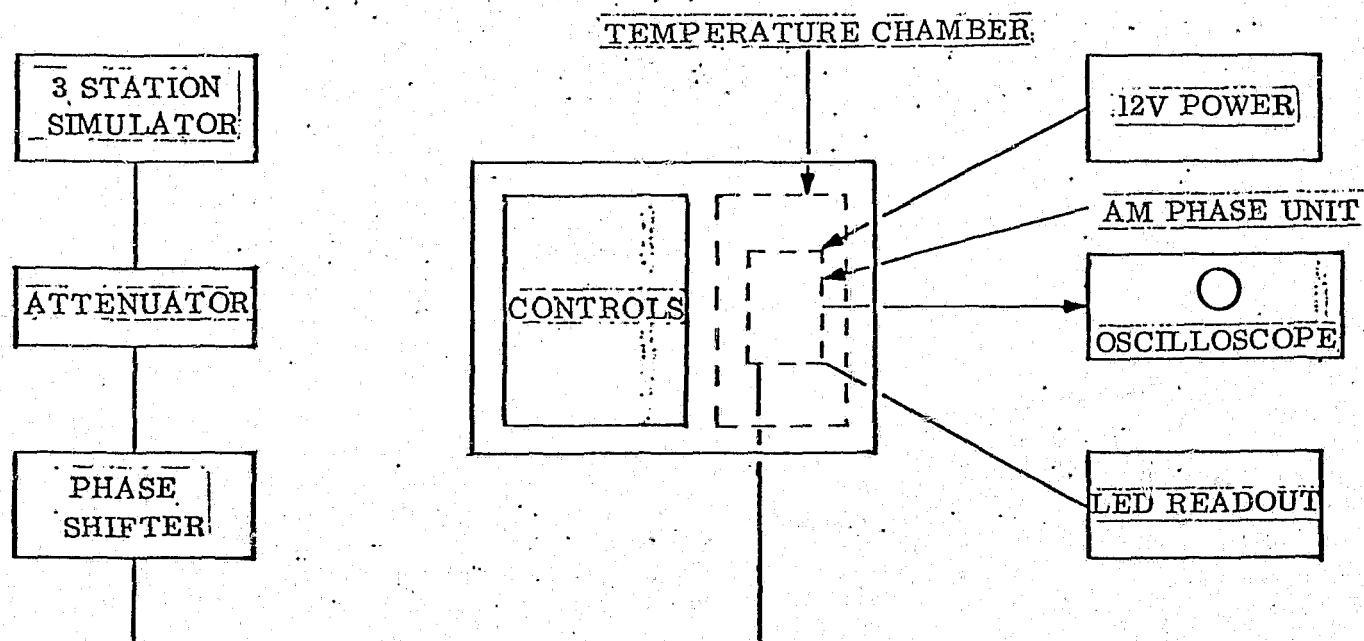


FIG. 1 AM PHASE QUALIFICATIONS TESTING

as measured on the oscilloscope. Convert the attenuator setting into microvolts to measure sensitivity at room temperature. Repeat for both channel pairs. Reset the attenuator to zero, reset the LED readout to zero and adjust the phase shifter until the phase of both channels has moved 150° as measured on the oscilloscope. Move the AM phase shifter back to zero and read the LED readout for the expected value of zero (which indicates no counts are lost).

Adjust the chamber to 100°F and let the unit soak for 2 hours. Repeat the measurements done above. /

Adjust the temperature to 160°F and let the unit soak for 2 hours. Repeat the measurements done above.

Test Procedure - Vibration

Attach the AM phase unit to the vibration table with no instrumentation or power applied. Measure the distance traveled in the cycle to calculate the RMS g loading. At any given frequency, the peak to peak displacement required for 2 g's RMS on this .10 # unit is $h = \frac{\sqrt{2 \times 2 \times 32}}{10 (2\pi)^2 f^2}$. The displacement is then adjusted to the required calculated value. Vibrate the unit in the unpowered state for 2 hours. Remove the unit from the vibration table and install the instrumentation shown in Figure 1.

Repeat the room temperature measurements which were done in the temperature test section.

System/Subsystem Name: Signpost/Data Controller

Test Objective:

To verify the operation of the Signpost/Data Controller (SDC) under ambient and extreme environmental conditions of temperature and vibration. The Data Controller logic functions consist of accepting input commands and data (AM Phase, Sensor, and Signpost) and outputting appropriate responses per the defined vehicle-to-base protocol.

This test is to be performed on production unit number one.

Test Criteria:

1. The unit must correctly decode signpost transmissions at room temperature at a signal level approximating 300' from a test signpost and present this data to the radio interface module.
2. The unit must correctly perform all the Data Controller Logic functions of the Cargo Security System at 70⁰ F when the external stimuli are provided by the vehicle unit production tester. This tester also evaluates the Data Controller responses for go no-go conditions.
3. The unit must correctly perform all the Data Controller Logic functions and signpost decoding at 50⁰ F.
4. The unit must correctly perform all the Data Controller Logic functions and signpost decoding at 180⁰ F.
5. The unit must correctly perform all the Data Controller Logic functions and signpost decoding after being vibrated at 2 gRMS for 2 hours at a selected frequency between 7 and 500 Hz.

- Test Equipment Required:
1. Temperature chamber
 2. Signpost vehicle unit production tester
 3. Test signpost
 4. SDC unit #1
 5. Vibration table
 6. 12 volt supply

Test Procedure (Temperature)

Connect the equipment as shown in Figure 2. For the 70°F measurements, connect the SDC to the tester and verify all go-no-go functions. Connect the antenna to the test signpost and verify its signpost number has been decoded by the LED readout connected to the SDC.

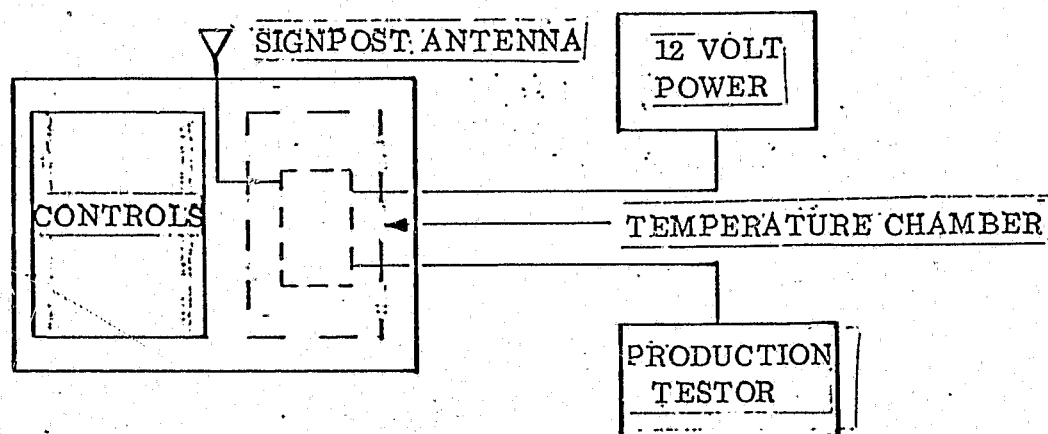


FIG. 2 SIGNPOST/DATA CONTROLLER TEMPERATURE QUALIFICATION TESTS

Adjust the chamber to 40°F and let soak for 2 hours. Repeat the measurements done above.

Adjust the chamber to 180°F and let soak for 2 hours. Repeat the measurements done above.

Test Procedure (Vibration)

Attach the SCD to the vibration table with no power applied. Measure the distance traveled in the cycle to measure the g RMS loading at any given frequency.

The peak-to-peak displacement required for 2 g's RMS for the 10[#] unit is $h = \frac{\sqrt{2 \times 2 \times 32}}{10 (2\pi)^2 f^2}$.

Vibrate the unit in the unpowered state for 2 hours. Remove the unit from the vibration table and install the instrumentation shown in the above figure. Repeat the decoding the logic measurements as done in the temperature test section.

SECTION 3

INTEGRATION TEST PHASE

System/Subsystem Name: Cargo Security System

Test Objective:

The purpose of this test is to completely verify the proper functioning of the total Cargo Security System including all internal interfaces prior to installation in the vehicles and dispatch locations for acceptance testing. These tests will be performed in Fort Worth.

Test Criteria:

1. When in the Remote Alarm ARM Mode the unit must
 - a. Respond to all proper keyboard commands as shown in Table 1 at the Remote Alarm CRT.
 - b. Properly display all vehicles and their status as shown in Figure 3.
 - c. Properly display each type of sensor actuations.
 - d. Print all Remote Alarm events on the dispatch printer in the format shown in Figure 4.
 - e. Transmit every 20 seconds "Request to leave Remote Alarm?" and wait 1/2 second for a reply from the base station.
2. When in the Remote Alarm Standby Mode the unit must
 - a. Enter Remote Alarm Standby or leave Remote Alarm Standby to normal upon receipt of the proper sequence of 2 signposts by the vehicle unit.
 - b. Transmit every 20 seconds "Request to ARM Remote Alarm?" and wait 1/2 second for the reply before shutting the receiver down.
3. When in the Normal Mode, the unit must
 - a. Respond to all proper keyboard and commands from the dispatch CRT or printer keyboard as shown in Table 1.
 - b. Properly display the Route Status or Security Status as shown in Figures 5 and 6.
 - c. Properly print all alert or alarm conditions as shown in Figure 7.

- d. Properly print any 1 day stop histories upon receipt of the proper printer keyboard command in the format shown in Figure 8.
- e. Be able to load the RAM in the vehicle unit with combinational logic.
- f. Display all listed alert or alarm conditions with the colors indicated in Figure 9.
- g. Verify that the vehicle transmits an event upon the occurrence of the sensors indicated in Figure 10.
- h. Verify the vehicle satisfies the comm requirements of less than 5.5% missed responses to base station requests, due to all causes other than low receiver carrier level.
- i. Verify that all sensor states are correctly detected by the background poll.
- j. Verify the units transmit changed location information as the Phase Shifter is adjusted.

Test Equipment Required:

1. Sensor Switch Test Box
2. 4 Attenuators (to prevent saturation due to closeness of antennas)
3. Phase Shifter Test Box
4. 3 Station Simulator
5. 12 Volt Supply
6. Cargo Security System (except for location support) with one vehicle unit
7. 4 Special Test Signposts

Test Procedure:

The Cargo Security System will be configured as shown in Figure 11. This is identical with the installed configuration of the CSS system except the sensors are simulated with a sensor switch box, the phone lines are replaced by hard wires, and the AM Phase Net is simulated with the 3 Station Simulator and phase shifter test box. Because of its close similarity to the final configuration, most of the integration testing will merely be repeated in acceptance testing after the equipment is installed in the vehicles.

Observe, however, that portions of the Integration Test will be done over a several week interval and not as one single test.

The normal mode test procedure is as follows:

1. Apply power to the vehicle unit, base station and dispatch station.
2. Reset the AM Phase unit to zero using the test box. Verify the zero on the LED readout.
3. Place the antenna on the test signpost.
4. Initialize the RAM in the vehicle.
5. Initialize the Base Station Microprocessor.
6. Bring up route status display at the Base Station.
7. Institute execution of the Normal Program with all sensors normal.
8. After two minutes, the route status display at the Base Station and Dispatch Station must show the street intersections of (N, E), (0, 0) where (N, E) is the test signpost code and (0, 0) is the zero for the two AM Phase registers. This intersection will be in a corner of a test area and read two alpha street names and a city name.
9. Select the Security Status display at the Base Station and the dispatch station. Both should indicate normal conditions with the required formats and colors (blue on cyan).
10. Cycle all sensors and countermeasures singly using the Switch Box. The required display fields should indicate the true status of the sensor after two minutes unless the single sensor is an event. In this case, it will be displayed and be printed at dispatch promptly with the required alert and alarm conditions and colors. Intrusion should cause no action.
11. Cycle all sensor pair alert conditions observing that the proper alert and alarm conditions and colors are displayed and printed.
12. Adjust the AM Phase Shifter and observe that a new location (both X, Y and street intersection) is properly displayed after two minutes.
13. The extreme AM Phase setting should also give an out-of-route alert. This must be properly displayed and printed.
14. Opening the cargo door at this point must cause the proper alarm information and colors to be displayed and printed.
15. Return all sensors and location to the initial condition.

16. A new test signpost must cause a prohibited stop alert to be properly displayed and printed.
17. All remaining dispatch CRT commands must be verified.
18. The dispatch printer should print the above stop history upon receipt at the base station of the proper dispatch printer keyboard command. This includes the testing for the normal mode.

The Remote Alarm Standby test procedure is as follows:

1. Two specially coded signposts should sequentially be placed in proximity to the vehicle unit.
2. The base station should note this and place the vehicle in Remote Alarm Standby.
3. Cycling of sensors should cause no actuation of displays or printer.
4. The unit should transmit once every twenty seconds and await a reply.
5. Upon receipt of the ARM command, the unit must switch to the Remote Alarm ARM Modes.

The Remote Alarm ARM Mode is as follows:

1. Enable the Remote Alarm CRT screen.
2. Command the vehicle unit to be armed.
3. Cycle all sensors singly. Each should cause the proper alert format to appear and be printed.
4. The unit must transmit once every twenty seconds and await a reply.
5. It must respond to all base station requests.
6. Upon receipt of the special 2 signpost sequence it must leave remote alarm and return to the normal mode.
7. It must properly respond to and display all remaining CRT keyboard commands.

DISPATCHER STATION

• CRT KEYBOARD COMMANDS

<u>CHARACTERS</u>	<u>DEFINITION</u>	<u>PROCEDURE</u>
RS	ROUTE STATUS	RS
SS	SECURITY STATUS	SSVVV
MR	MILEAGE REQUEST	MR
DO	DISABLE OUT OF ROUTE	DO
EO	ENABLE OUT OF ROUTE	EO
CA	ACKNOWLEDGE ALARM/ALERT	CA
RA	REMOTE ALARM ARM	RA
RR	ASSIGN ROUTE NUMBER	RRNNN NNN
TR	TRACK VEHICLE	TR
AA	ARM ALARM	AA

• PRINTER KEYBOARD COMMANDS

<u>CHARACTERS</u>	<u>DEFINITION</u>	<u>PROCEDURE</u>
RH	VEHICLE RECENT HISTORY	RHVVD
ST	START OF SHIFT	ST

• REMOTE ALARM KEYBOARD COMMANDS

<u>CHARACTERS</u>	<u>DEFINITION</u>	<u>PROCEDURE</u>
AA	ALARM ARM	AAVVV
AD	ALARM DISABLE	ADVVD
AK	ALERT ACKNOWLEDGE	AKVVV
AAA	ALARM ARM, ALL	AAA
ADA	ALARM DISABLE, ALL	ADA

Note: All commands should be followed by RETURN.

TABLE 1 REMOTE ALARM KEYBOARD COMMANDS

RESERVED FOR DATA ENTRY



ALARM STATUS

VEHICLE	ALM	STATUS	ENABLED
927		NORMAL	*
986	*	KEY ON	*

FIG. 3 ALARM STATUS DISPLAY

XXX	XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
VEHICLE #	TIME	DESCRIPTION OF ALARM

FIG. 4 REMOTE ALARM PRINTOUT FORMAT

RESERVED FOR DATA ENTRY



ROUTE STATUS

VEHICLE

LOCATION

STATUS

927

XXXXXXXXXXYYYYYYYYZZZZZZZZ

OK

986

XXXXXXXXXXYYYYYYYYZZZZZZZZ

RALENT

FIG. 5 ROUTE STATUS DISPLAY

SECURITY STATUS

VEHICLE #: XXX

LOCATION: XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXX D

MAKE:

ROUTE ASSIGNED: XXX XXX

MODEL: XXXXXXXXXXX

MODE: XXXXXX

LICENSE #: XXXXXXXXXXX

TEL: XXXXXXXXXXX

MILEAGE: XXXXXXXXXXX

KEY ON

KEY OFF

SEAT OCC

SEAT EMPTY

L. DOOR OPEN

L. DOOR SHUT

C. DOOR OPEN

C. DOOR SHUT

MOVING

STOPPED

R. DOOR OPEN

R. DOOR SHUT

NO ALARM

ALARM

NO INTRUDING

INTRUDING

NO TAMPERING

TAMPERING

PROHIBITED STOP

OUT OF ROUTE

OUT OF MAPPED BDRY

OUT OF ROUTE ENABLED

COMM COUNTERMEASURES

FIG. 6 SECURITY STATUS DISPLAY

DATE - 31 FEB 1976

VEHICLE NO.	TYPE	LOCATION	TIME	DESCRIPTION
927	ALERT	26th / Soto / Vernon	10 : 40	(See Format #1)
927	ALARM	26th / Santa Fe / Vernon	01 : 30	DRV A2M

FIG. 7 ALERT AND ALARM PRINTOUT FORMAT

VEHICLE NO. XXX

TYPE	LOCATION	TIME STOP	DURATION
NDL	26th / Soto / Vernon	10 : 40	70
NDS	26th / Santa Fe / Vernon	12 : 36	8
D	MAIN / Alondra / Carson	1 : 20	20
ALERT	MAIN / Alondra / Carson	1 : 25	DRVR ALM

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D = Delivery Stop, Driver out of cab, Cargo Door Open

NDL = None Delivery Stop Greater than 60 Minutes, Driver out of cab

NDS = None Delivery Stop Greater than 5 Minutes, Driver out of cab

FOR DURATION DESCRIPTIONS:

OUT OF ROUTE

PROHIBITED STOP

TWO TRUCKS AT SAME LOCATION

KEY OFF, MOTION

SEAT EMPTY, MOTION

R DOOR OPEN, MOTION

R DOOR OPEN, SEAT OCCUPIED

L DOOR OPEN, R DOOR OPEN

R DOOR OPEN, KEY ON

SEAT EMPTY, KEY ON

L DOOR OPEN, KEY ON

C DOOR OPEN, MOTION

C DOOR OPEN, SEAT OCCUPIED

C DOOR OPEN, L DOOR OPEN

C DOOR OPEN, KEY ON

DRIVER ALARM

COUNTERMEASURES

STOPPED, OUT OF ROUTE, CARGO DOOR OPEN

OUT OF RT *

PROHIB STP

XXX,XXX SME LOC, STPD

KY OFF, MOV

ST MTY, MOV

R DR, MOV

R DR, ST OCC

L DR, R DR

R DR, KY ON

ST MTY, KY ON

L DR, KY ON

C DR, MOV

C DR, ST OCC

C DR, L DR

C DR, KY ON

DRVR ALM

CNTR MSRS

STP, OUT OF RT, CDR

* Only occurs the first time detected unless reset by entry into route.

FIG. 8 VEHICLE RECENT HISTORY PRINTOUT

NORMAL COLORS - BLUE ON CYAN

ONE BELL NORMAL ALERT COLORS - BLINKING YELLOW ON PURPLE

OUT-OF-ROUTE ALERT COLORS - BLUE ON YELLOW

CONTINUOUS BELL ALARM COLORS - BLINKING WHITE ON RED

SPECIAL ALERT:

OUT OF ROUTE

PRINT-OUT

OUT OF RT *

ALERTS:

PROHIBITED STOP

PROHIB STP

TWO TRUCKS AT SAME LOCATION

XXX,XXX SME LOC, STPD

KEY OFF, MOTION

KY OFF, MOV

SEAT EMPTY, MOTION

ST MTY, MOV

R DOOR OPEN, MOTION

RDR, MOV

R DOOR OPEN, SEAT OCCUPIED

RDR, STOCC

L DOOR OPEN, R DOOR OPEN

LDR, RDR

R DOOR OPEN, KEY ON

RDR, KON

SEAT EMPTY, KEY ON

ST MTY, KY ON

L DOOR OPEN, KEY ON

LDR, KON

C DOOR OPEN, MOTION

CDR, MOV

C DOOR OPEN, SEAT OCCUPIED

CDR, STOCC

C DOOR OPEN, L DOOR OPEN

CDR, LDR

C DOOR OPEN, KEY ON

CDR, KON

ALARMS:

DRIVER ALARM

DRVR ALM

COUNTERMEASURES

CNTR MSR

STOPPED, OUT OF ROUTE, CARGO DOOR
OPEN

STP OUT OF RT, CDR

FIG. 9 ALARMS, ALERTS, COLORS, AND BELLS

KEY OFF, MOTION
SEAT EMPTY, MOTION
R DOOR OPEN, MOTION
R DOOR OPEN, SEAT OCCUPIED
L DOOR OPEN, R DOOR OPEN
R DOOR OPEN, KEY ON
SEAT EMPTY, KEY ON
L DOOR OPEN, KEY ON
DRIVER ALARM
CARGO DOOR
COUNTERMEASURES

FIG. 10 VEHICLE EVENTS

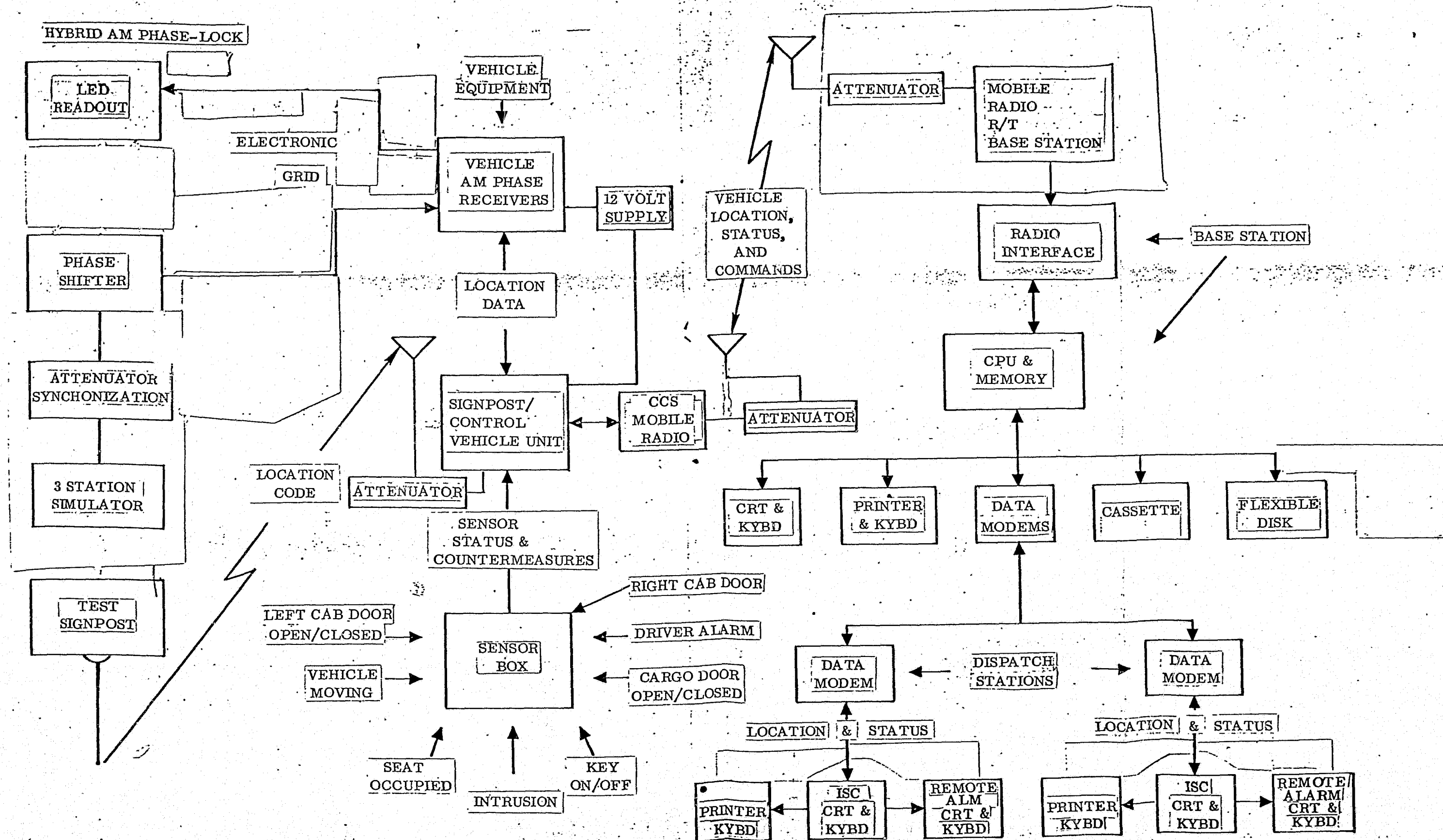


FIG. 1 CARGO SECURITY SYSTEM - INTEGRATION TEST

SECTION 4

ACCEPTANCE TEST PHASE

System/Subsystem Name: Cargo Security System

Test Objectives:

The purpose of this test is to completely verify the proper functioning of the total Cargo Security System including all man/machine interfaces prior to acceptance for system shakedown by the Aerospace Corporation. These tests will be performed on the installed system in Los Angeles. The tests will be of two types: Controlled and Observer Correlation.

Test Criteria:

1. When in the Remote Alarm ARM Mode the unit must:
 - a. Respond to all proper keyboard commands as shown in Table 1 at the Remote Alarm CRT.
 - b. Properly display all vehicles and their status as shown in Figure 3.
 - c. Properly display each type of sensor actuations.
 - d. Print all Remote Alarm events on the dispatch printer in the format shown in Figure 4.
 - e. Transmit every 20 seconds "Request to leave Remote Alarm?" and wait 1/2 second for a reply from the base station.
2. When in the Remote Alarm Standby Mode the unit must:
 - a. Enter Remote Alarm Standby or leave Remote Alarm Standby to normal upon receipt of the proper sequence of 2 signposts by the vehicle unit.
 - b. Transmit every 20 seconds "Request to ARM Remote Alarm?" and wait 1/2 second for the reply before shutting the receiver down.
3. When in the Normal Mode the unit must:
 - a. Respond to all proper keyboard and commands from the dispatch CRT or printer keyboard as shown in Table 1.
 - b. Properly display the Route Status or Security Status as shown in Figures 5 and 6.

- c. Properly print all alert or alarm conditions as shown in Figure 7.
- d. Properly print any 1 day stop histories upon receipt of the proper printer keyboard command in the format shown in Figure 8.
- e. Be able to load the RAM in the vehicle unit with combinational logic.
- f. Display all listed alert or alarm conditions with the colors indicated in Figure 9.
- g. Verify that the vehicle transmits an event upon the occurrence of the sensors indicated in Figure 10.
- h. Verify that the vehicle location error is determined to be less than 600'.
- i. Verify the vehicle satisfies the communications requirements of less than 20% missed responses to base station requests. These tests will be run including rush hour traffic.
- j. Verify that all sensor states are correctly detected by the background poll.
- k. Verify that the unit satisfies the false report requirement.
1. Verify that a Time History Log of all transactions is maintained for the Test Conductor on the Dual Cassette Unit.

Test Equipment Required:

1. Cargo Security System with 20 vehicle units and two dispatch stations.
2. Special test vehicle and extra vehicle unit.

Test Procedure:

The Cargo Security System shown in Figure 11 will be tested under controlled and observed conditions.

The controlled test procedure is as follows:

1. Using a spare vehicle unit, a special test vehicle and the base station, drive the vehicle at random for 100 miles over the test area. Record and print the number of communication misses to verify that less than 20% of the responses to base station requests are missed. The route will be selected after installation.
2. Using the same equipment along with the voice attachments to the radio go to 200 separate randomly located intersections uniformly distributed throughout the test area and request a manual poll for x,y location and print. Test the nearest

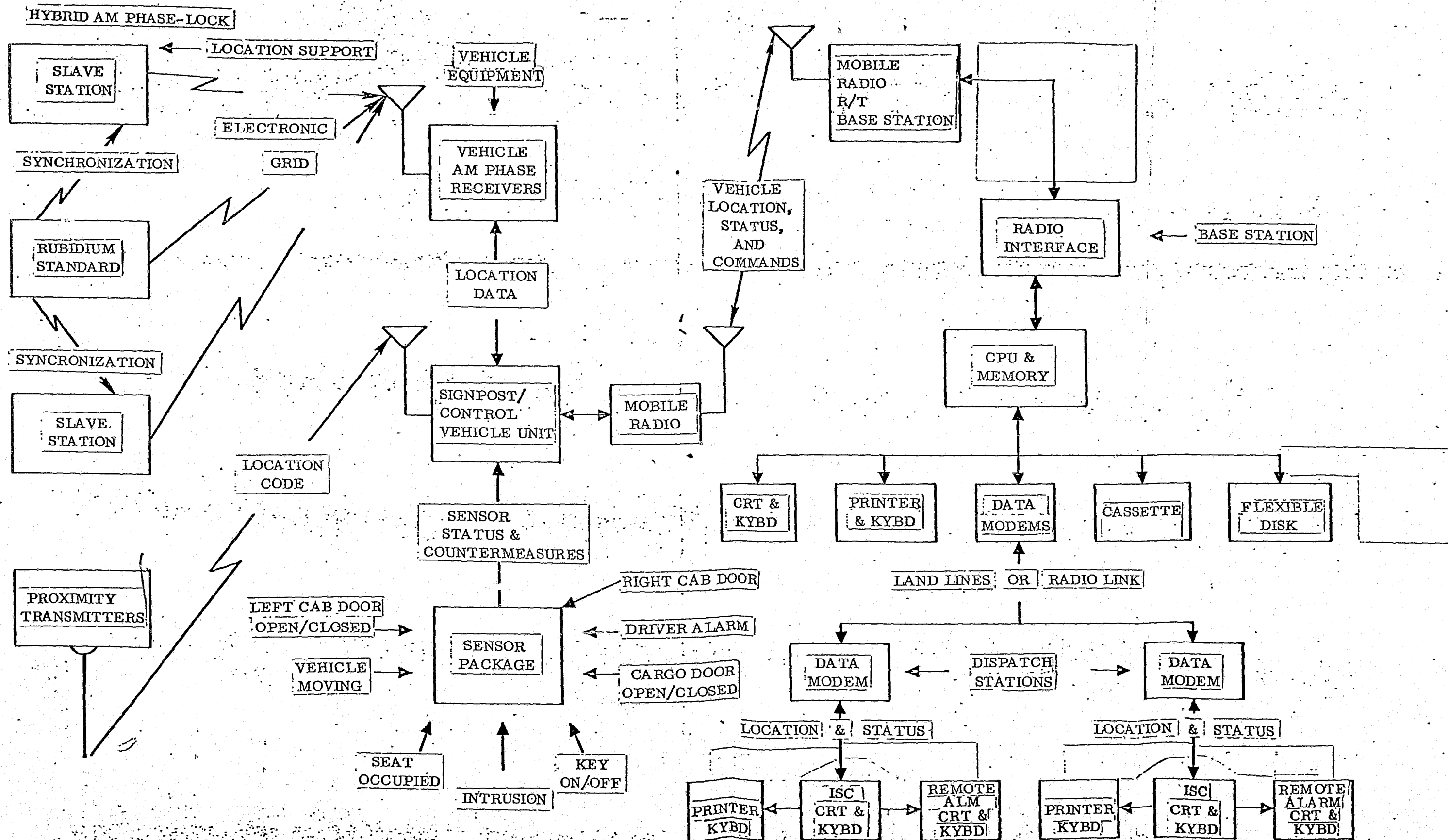


FIG. 12 CARGO SECURITY SYSTEM - OPERATION FIELD TEST

intersection algorithm at two random intersections in the three models of; normal, including "Direction", and with pseudo intersections.

3. At both GI and Transcon, Hoffman will execute the same Remote Alarm ARM and Standby tests at night as were done in Integration tests.

The Remote Alarm Standby test procedure is as follows:

- 3.1 The trucks should be driven through the specially coded sequential signposts.
- 3.2 The base station should note this and place the vehicle in standby.
- 3.3 Cycling of sensors should cause no activation of displays or printer.
- 3.4 The unit should transmit once every twenty seconds and await a reply.
- 3.5 Upon receipt of the ARM command, the unit must switch to the Remote Alarm ARM Mode.

The Remote Alarm ARM Mode is as follows:

- 3.1 Enable the Remote Alarm CRT Screen.
- 3.2 Command the vehicle unit to be armed.
- 3.3 Cycle all sensors singly. Each should cause the proper alert format to appear and be printed on the dispatch printer.
- 3.4 The unit must transmit once every twenty seconds and await a reply.
- 3.5 It must respond to all base station requests.
- 3.6 Upon receipt of the special two signpost sequence upon exit from the yard it must leave remote alarm and return to the normal mode.

The uncontrolled test procedure is as follows:

1. One observer will ride with a vehicle for four hours logging all sensor activations, route history and time.
2. One observer will note all dispatcher key activations.
3. Upon comparison of these logs and the printouts, it should be noted that
 - 3.1 The Route Status display at the base station and dispatch stations show the street intersections of actual stops.
 - 3.2 The Security Status display at the base station and dispatch station both should indicate normal conditions with the required formats and colors (blue on cyan).

- 3.3 When sensors are cycled on the trucks the required display fields should indicate the true status of the sensor for an alert. It should show both places and be printed at dispatch promptly with the required alert conditions and colors. Intrusion should cause no action.
 - 3.4 All sensor pair alert conditions should cause the proper alert conditions and colors to be displayed and printed.
 - 3.5 Out of route should be indicated as the trucks return at night.
 - 3.6 Opening the cargo door out of route must cause the proper alarm information and colors to be displayed and printed.
 - 3.7 A prohibited stop alert must be displayed and printed.
 - 3.8 All remaining dispatch CRT commands must be verified. The dispatch printer should print the stop history upon receipt at the base station of the proper dispatch printer keyboard command.
- This concludes the uncontrolled testing for the Normal Mode.

SECTION 5

FINAL SYSTEM TESTS

System/Subsystem Name: Cargo Security System

Test Objective:

The purpose of this test is to verify any changes which were made to either the software or hardware during the 2 1/2 month shakedown. The changes might occur because of observed deficiencies or they might be mutually desired changes to increase the system effectiveness.

Test Criteria:

No specific criteria can be given since no changes are known at this time.

The general criteria is Aerospace acceptance of the test results.

Test Equipment Required:

1. Special test vehicle with spare vehicle unit.
2. Cargo Security System with 40 units
and 2 dispatch stations.

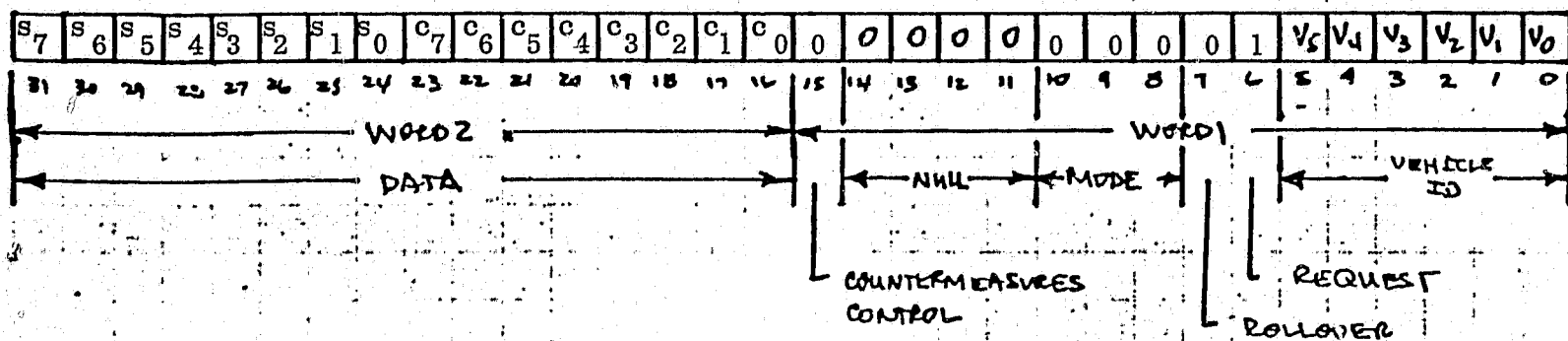
Test Procedure:

No specific procedure can be given since no changes are known at this time.

APPENDIX B

INTERFACE DESCRIPTION COMMUNICATION PROTOCOL

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION:

Sensor Status, Requested

VEHICLE MODE:

Remote Alarm (If requested following arm request command) Normal - (If requested) Remote Alarm Pending - (If requested following arm request command) Off-None.

COMMENTS:

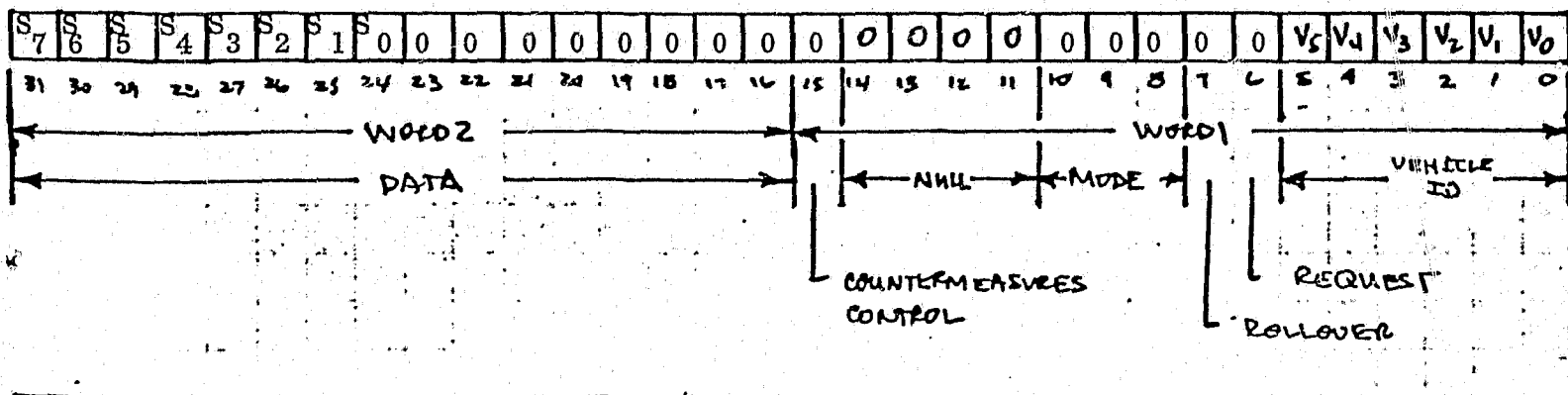
Response by specific vehicle indicating the current status of each sensor and countermeasures.
If a particular sensor or group of sensors has been disabled neither the countermeasures or sensor status will be set.

S0 = Key
S1 = Seat
S2 = L Door
S3 = C Door
S4 = Motion
S5 = R Door
S6 = D Alarm
S7 = Intrusion
C0 = Key
C1 = Seat
C2 = L Door
C3 = C Door
C4 = Motion
C5 = R Door
C6 = D Alarm
C7 = Intrusion

1 = On
1 = Occupied
1 = Open
1 = Open
1 = Velocity 5 FPS
1 = Open
1 = Activated
1 = Motion Detected
1 = CMRS
1 = CMRS
1 = CMRS
1 = CMRS
1 = CMRS
1 = CMRS
1 = CMRS
1 = CMRS

If a particular sensor or group of sensors has been disabled, the sensors and countermeasures bits will not be set. Disabled sensor status and countermeasures status are cleared by a change in MODE from remote alarm pending to remote alarm arm, or remote alarm from normal, or a "Busted RAM Load."

CARGO SECURITY SYSTEM VEHICLE/BASE STATION INTERFACE (UPLINK)



DEFINITION: Sensor Status, Sensor Event

VEHICLE MODE: Remote Alarm - any time a change in status detected.
 Normal - anytime a change in status detected - If RAM not loaded.
 If RAM loaded - RAM mask event detected, excluded
 Remote Alarm Pending -
 - may occur (without meaning) on power up only.
 Off - none

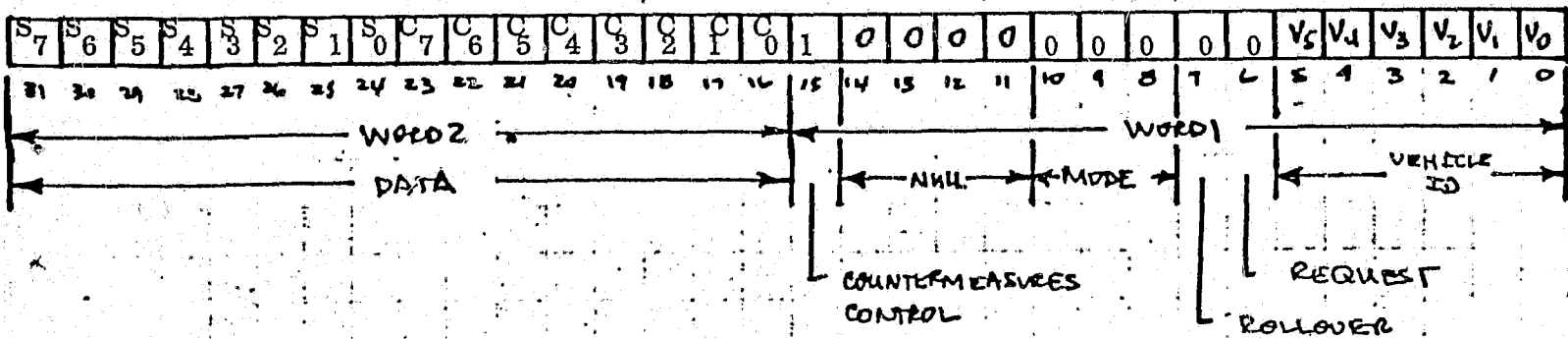
COMMENTS: Output by a specific vehicle whenever sensor conditions exist.
 As filtered by RAM load combinatorial logic.
 Event requires an acknowledge by base station.
 Event exists in a priority queue in vehicle, if acknowledge not received, retransmission will occur 8 times or until acknowledged.
 If acknowledge not received, event declaration is retrigged by detected base station command.
 If Event occurs when in Remote Alarm, transmissions will occur at the rate of once every two seconds until acknowledged.

S ₀ = Key	1 = On
S ₁ = Seat	1 = Occupied
S ₂ = L Door	1 = Open
S ₃ = C Door	1 = Open
S ₄ = Motion	1 = Velocity ≥ 5 fps
S ₅ = R Door	1 = Open
S ₆ = D Alarm	1 = Activated
S ₇ = Intrusion	1 = Motion Detected

* - indicates not part of logic

If a particular sensor or group of sensors has been disabled, the sensor status bit will not be set, combinatorial logic for zero will be active. Disabled sensor status and countermeasures status are cleared by a change in mode from Remote Alarm Pending to Remote Alarm Arm, or Remote Alarm Arm from normal, or "Busted" R.A.M. Load.

CARGO SECURITY SYSTEM VEHICLE/BASE STATION INTERFACE (UPLINK)



DEFINITION: Sensor Status, Countermeasures Event

VEHICLE MODE: Remote Alarm - anytime a change in status detected, CMRS bit set.
 Normal - anytime a change in status detected, CMRS bit set.
 Remote Alarm Pending - may occur (without meaning) on power up only.
 Off-none

COMMENTS: Output by a specific vehicle whenever a countermeasures condition exists in vehicle.
 Event requires an acknowledge by the base station.

Event exists in a priority queue in vehicle. If acknowledge not received from base station, retransmission will occur 8 times or until acknowledged, If acknowledgement not received by vehicle, event declaration is retrIGGERED by any detected base station command to this vehicle.

C0 = Key	1 = CMRS
C1 = Seat	1 = CMRS
C2 = L Door	1 = CMRS
C3 = C Door	1 = CMRS
C4 = Motion	1 = CMRS
C5 = R Door	1 = CMRS
C6 = D Alarm	1 = CMRS
C7 = Intrusion	1 = CMRS

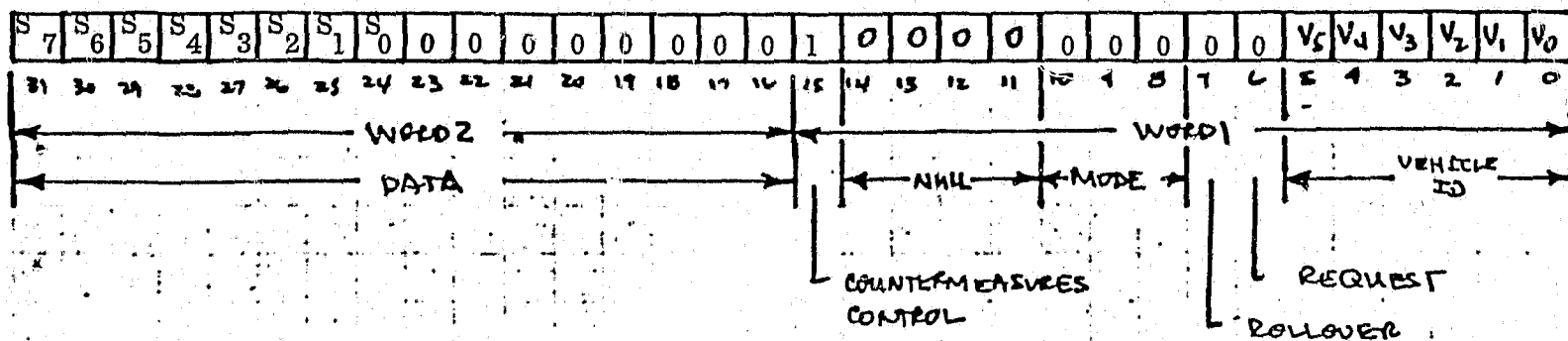
Sensor Status has no meaning.

If a particular sensor or group of sensors has been disabled the sensor countermeasures status bit will not be set. Disabled sensor status and countermeasures data are cleared by a change in MODE to remote alarm arm from remote alarm pending, or remote alarm arm from normal, or by "Busted" RAM Load.

If event occurs while in Remote Alarm mode, transmissions will occur at the rate of once every two seconds until acknowledged.

CARGO SECURITY SYSTEM

VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Sensor Status, Tamper Event

VEHICLE MODE: Remote Alarm - tamper sensor set
Normal - tamper sensor set
Remote Alarm Pending - tamper sensor set
- may occur on power up
Off - none

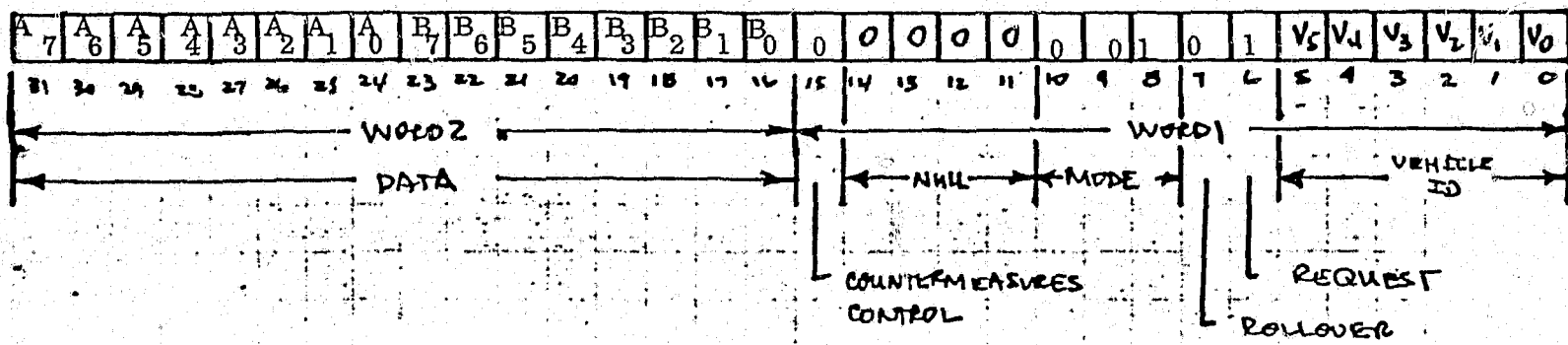
COMMENTS: Output by a specific vehicle whenever a tamper condition is set in vehicle. Event exists in a priority QUEUE in vehicle, if acknowledge not received by vehicle, retransmission will occur 8 times or until acknowledged by base station. If acknowledge not received by vehicle, event declaration is retrigged by any detected base station command to this vehicle.

Sensor bits have no meaning

Tamper condition is unaffected by vehicle mode change

If Event occurs while in Remote Alarm or Remote Alarm Pending, transmissions will occur at the rate of once every five seconds until acknowledged.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)

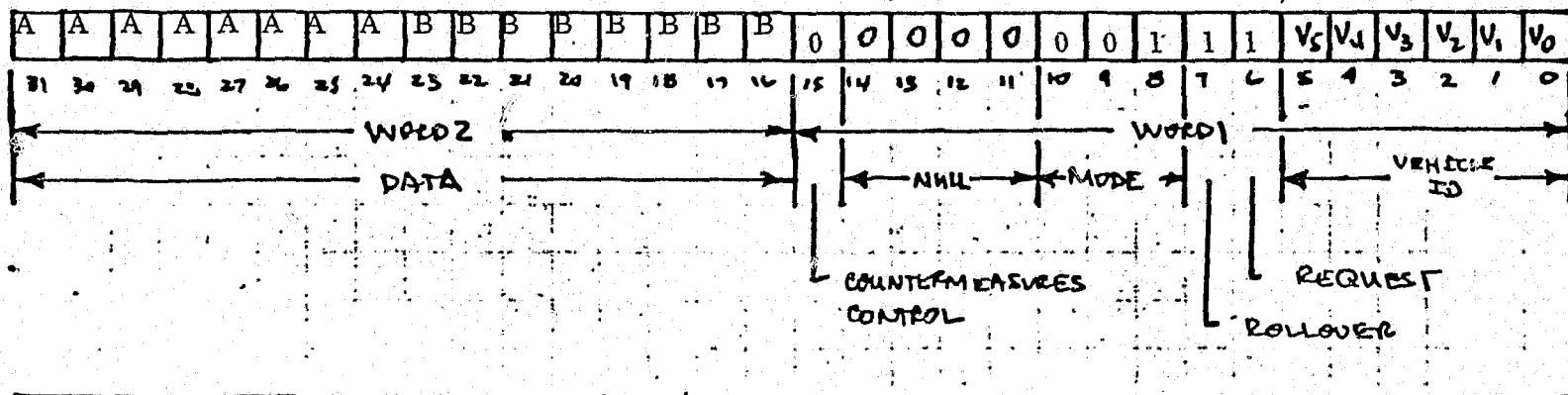


DEFINITION: Location Status, Requested

VEHICLE MODE: Remote Alarm - If requested under allowable time window.
Normal - If Requested.
Remote Alarm Pending - If requested under allowable time window.
Off - None

COMMENTS: Response by specific vehicle indicating current AM phase receiver tracking status relative to (1) last reset signpost as offset by A or B rollover data, or (2) last zero AM phase command from base station, or (3) system turn on offset by initial value in phase counter buffers.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



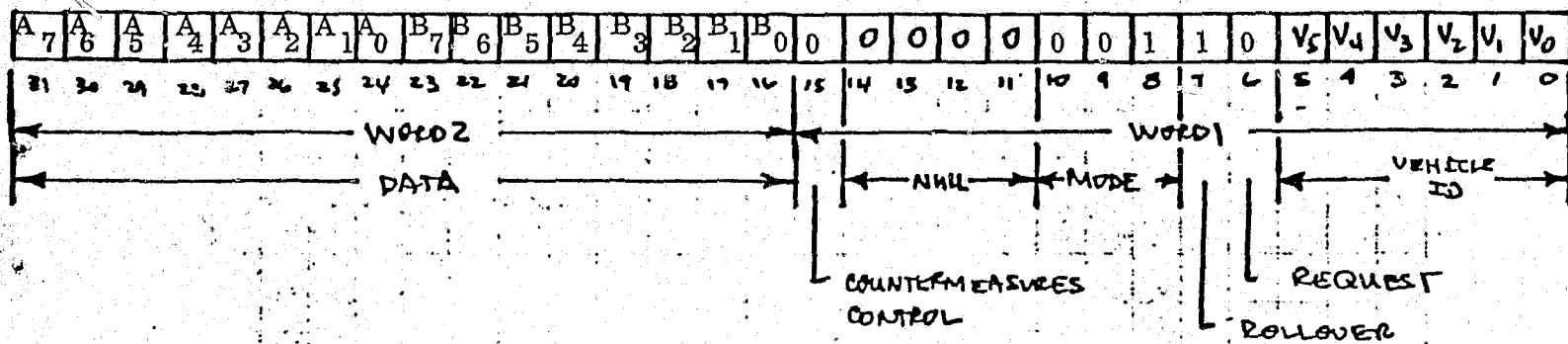
DEFINITION: Location Status, Zero AM Phase Requested

VEHICLE MODE:

- Remote Alarm - None
- Normal - If requested
- Remote Alarm Pending - None
- Off - None

COMMENTS: Response from vehicle indicating zero Am phase command received from base station. Data field contains phase data at time zero command received.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Location Status, Phase Rollover Event

VEHICLE MODE:

- Remote Alarm - none
- Normal - Event driven
- Remote Alarm Pending - none (May occur on power up only)
- Off - none

COMMENTS:

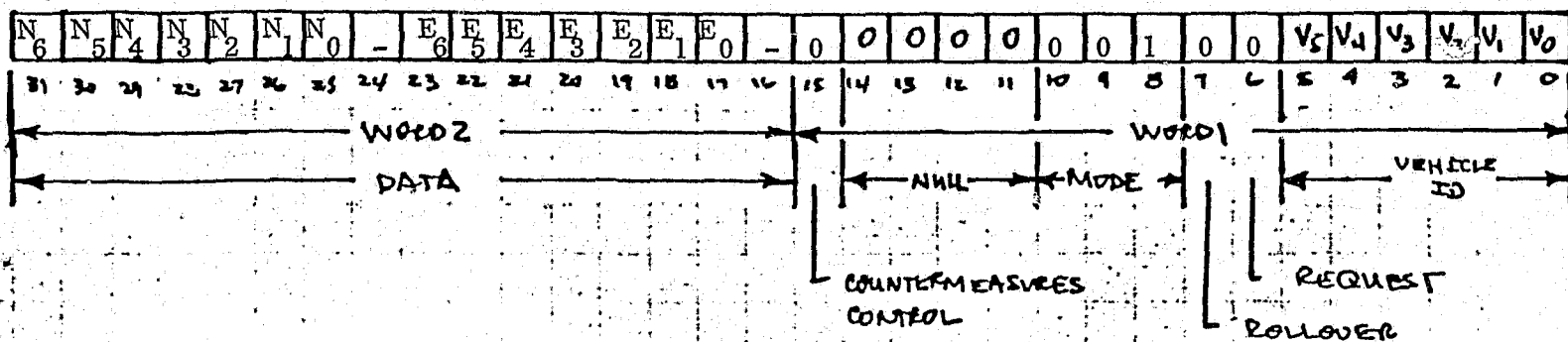
Output by a specific vehicle whenever phase registers indicate a rollover A₆, B₆, and A₄, B₄ or A₇ + A₆, B₇ + B₆ and A₄, B₄ are set for positive going rollover flags or A₆, B₆ and A₄ + A₅, B₄ + B₅ or A₇ + A₆, B₇ + B₆ and A₄ + A₅, B₄ + B₅ are set for negative going rollover flags.

Event requires an acknowledge by base station.

Event exists in a priority queue in the vehicle. If acknowledge not received re-transmission will occur 8 times until acknowledged by base station. If acknowledge not received by vehicle, event declaration is retrIGGERED by base station command.

Phase A and Phase B rollover conditions are declared independently.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Location Status, Reset Signpost Event

VEHICLE MODE: Remote Alarm - (different from previous Xmission)
 Normal - all detected signposts are transmitted.
 Remote Alarm Pending - (different from previous Xmission)
 Off - none

COMMENTS: Out put by a specific vehicle whenever a level 2 reset signpost is detected (different from last). Signpost numbers are contained in N and E data fields.

Event requires an acknowledge by base station.

- Indicates unused data.

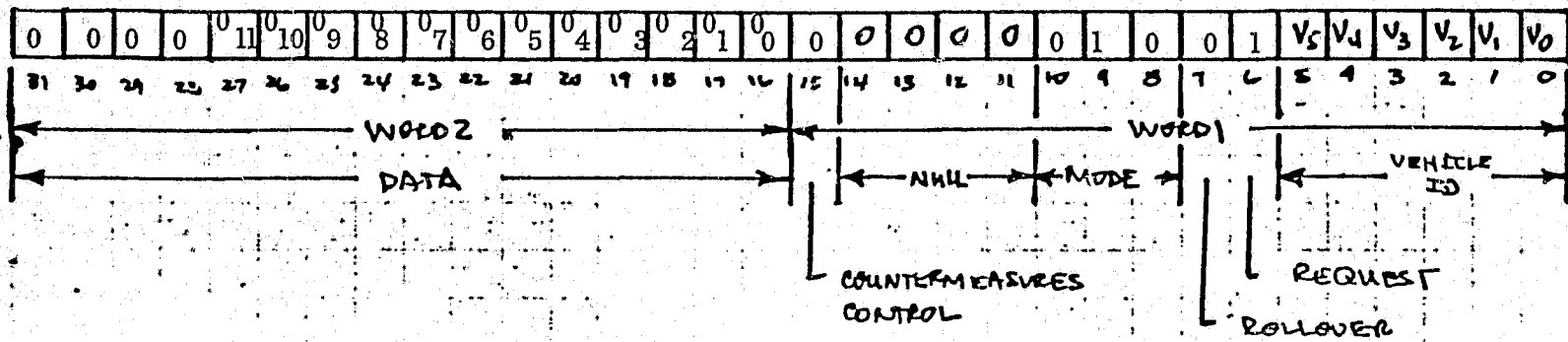
Detection of all ones preceded by all zeroes causes unit to automatically go into normal mode from the Remote Alarm mode only.

Detection of all zeroes preceded by all ones causes unit to automatically go into Remote Alarm Pending mode.

Event exists in a priority queue in the vehicle. If acknowledge not received, retransmission will occur 8 times or until acknowledged by base station.

If acknowledge not received by vehicle following 8 transmissions, event declaration is retrigged by any base station command.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)

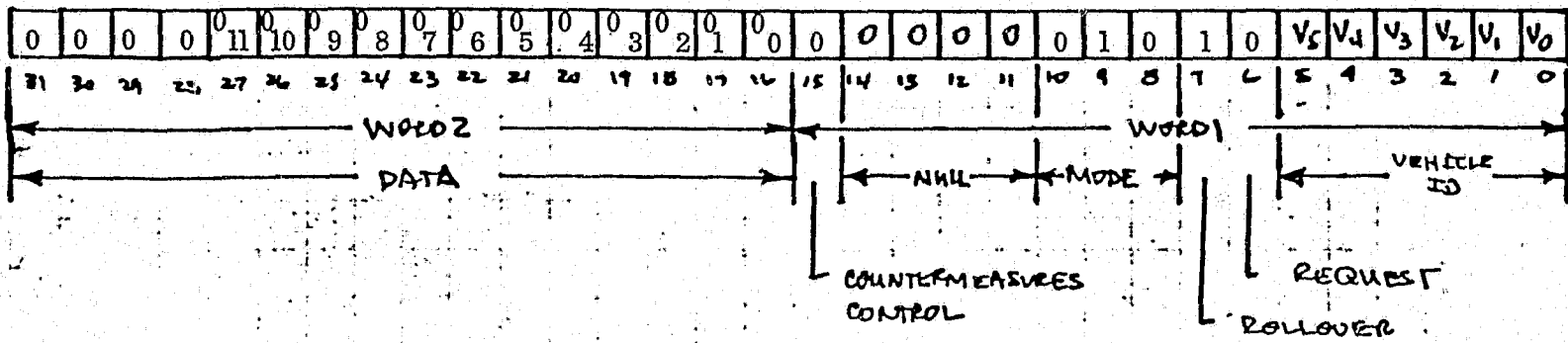


DEFINITION: Mileage Report, Requested

VEHICLE MODE: Remote Alarm - Whenever mileage data requested following Remote Alarm Arm from vehicle
Normal - whenever mileage data requested
Remote Alarm Pending - whenever mileage data requested following Remote Alarm Arm Request from vehicle.

COMMENTS: Output by vehicle on command from base station

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Mileage Report, Rollover Event

VEHICLE MODE:

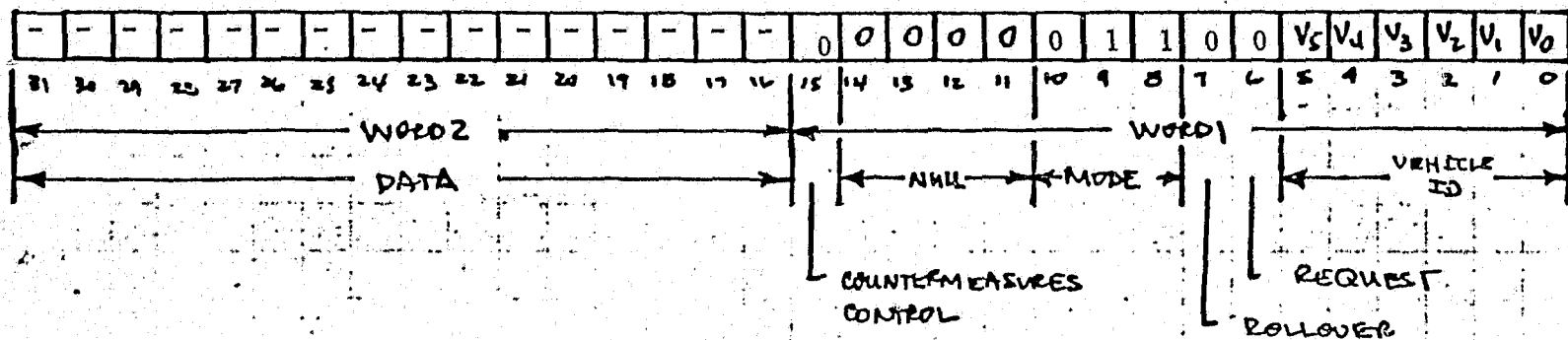
- Remote Alarm - none
- Normal - Event driven
- Remote Alarm Pending - none
- Off - none

COMMENTS: Output by a specific vehicle whenever 0₁₁, 0₁₀, 10₉ is set in vehicle odometer data buffers.

Event requires an acknowledge by base station.

Event exists in a priority queue in the vehicle. If acknowledge not received, retransmission will occur 8 times or until acknowledged by base station. If acknowledge not received by vehicle, event declaration is retrIGGERED by any base station command.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Acknowledge

VEHICLE MODE:

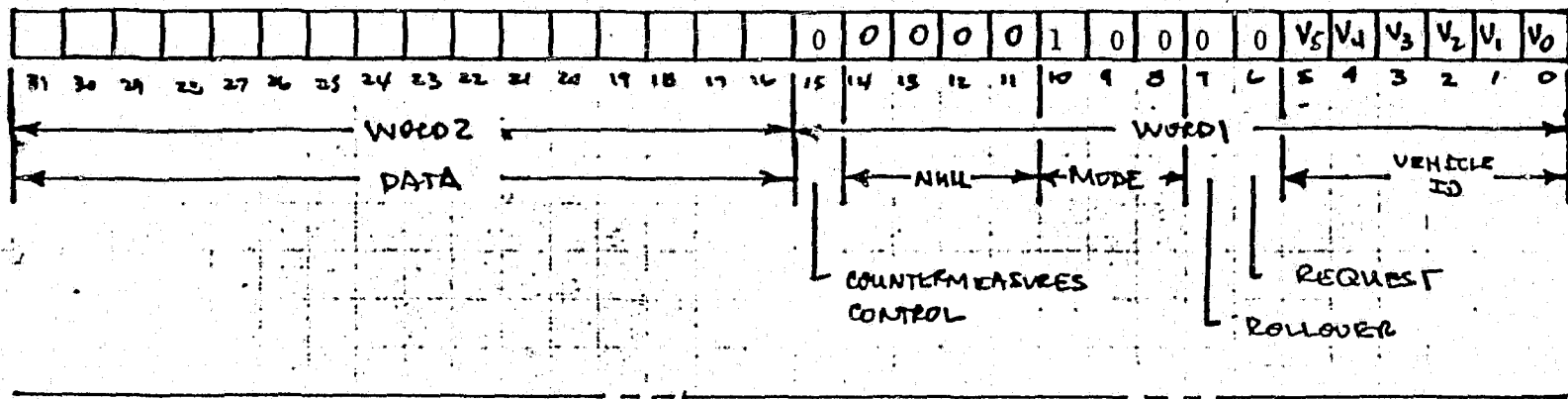
- Remote Alarm - Whenever Command Requiring Acknowledge RECD
- Normal - Whenever Command Requiring Acknowledge RECD
- Remote Alarm Pending - Whenever Command REQ: Acknowledge RECD.
- Off - None

COMMENTS:

- Data field information contains last data field transmitted
- Acknowledged Commands.

- LOAD RAM
- Sensor Disable
- Sensor Enable
- Disable all Sensors

CARGO SECURITY SYSTEM VEHICLE/BASE STATION INTERFACE (UPLINK)



DEFINITION: Remote Alarm Arm Request (Declaring scrambled RAM load)

VEHICLE MODE:

- Remote Alarm - None
- Normal - None
- Remote Alarm Pending -
- Off - None

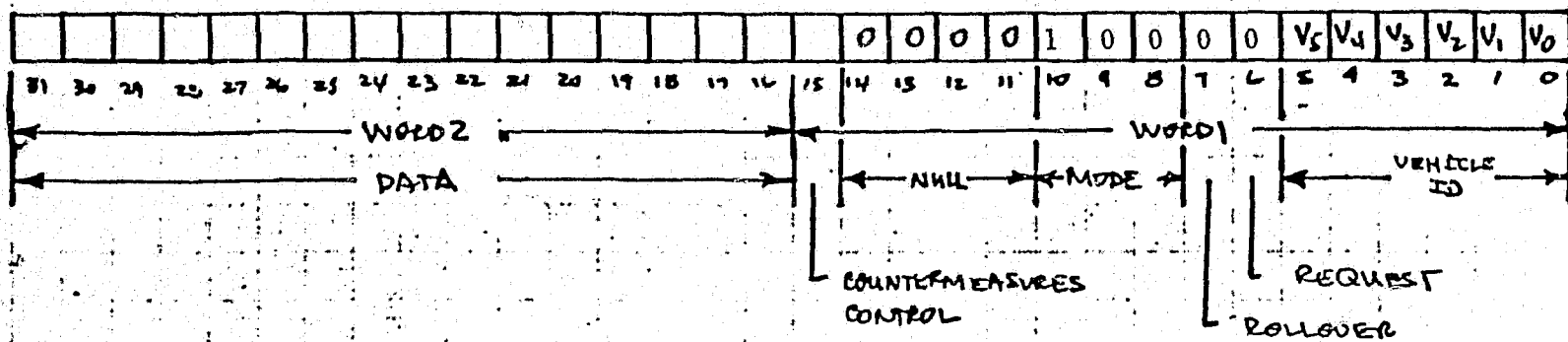
COMMENTS:

Data field information contains last data field transmitted.
If an error detected during RAM load process, vehicle can output scrambled message and reset RAM load pointers to top of RAM load data field

Detactable errors are:

(1)

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Remote Alarm Arm Request (Declaring Power On)

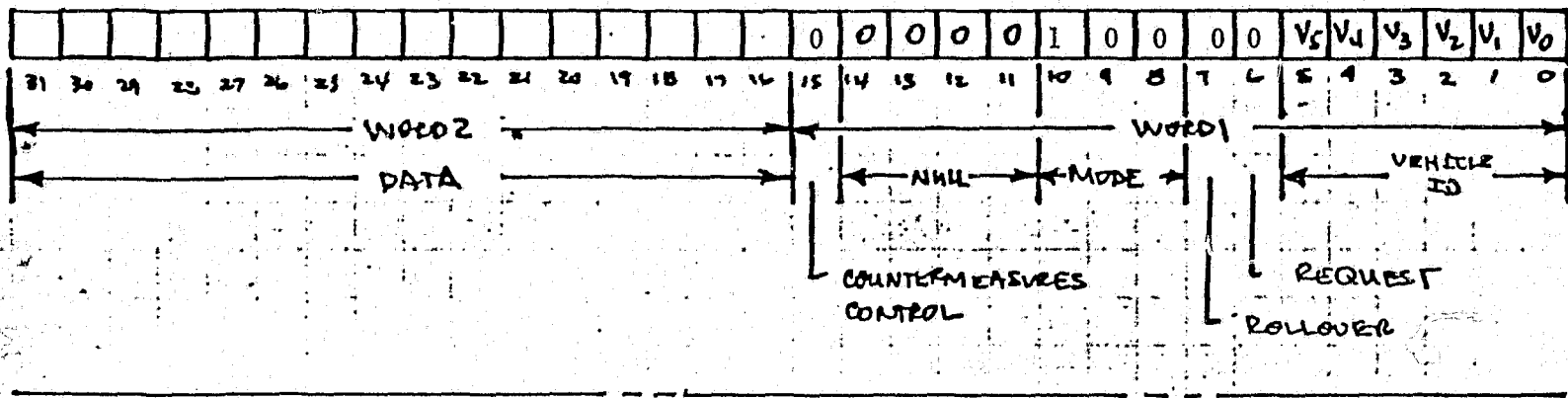
VEHICLE MODE:

- Remote Alarm - None
- Normal - None
- Remote Alarm Pending -
- Off - None

COMMENTS: Data field information contains last data field transmitted

When power is initially applied to the vehicle, this transmission will be output

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (VPLINK)



DEFINITION: Remote Alarm Arm Request (Declaring Power Reset)

VEHICLE MODE:

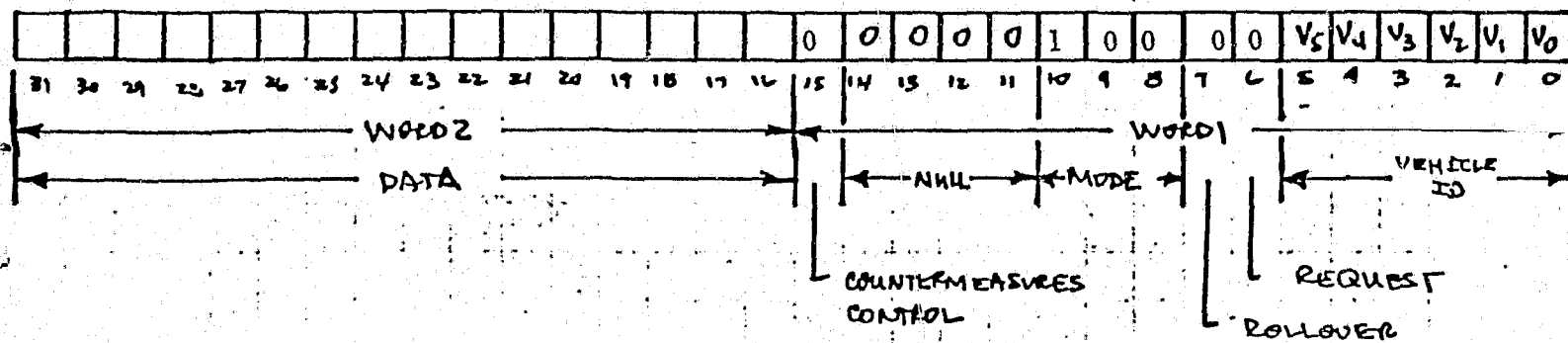
- Remote Alarm - none
- Normal - none
- Remote Alarm Pending -
- Off - none

COMMENTS:

Data field information contains last datafield transmitted.

In the event that power is recycled on the vehicle unit as a result of starting the engine, replacement of the battery or similar circumstance, this command is output to the base station, indicating that a restart condition is required.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Remote Alarm Arm Request (Following Yard Entry)

VEHICLE MODE: Remote Alarm - none
Normal - none
Remote Alarm Pending -
Off - none

COMMENTS: Data field information contains last data field transmitted.
After detection of all ones and all zeroes signpost, vehicle automatically goes to Remote Alarm Pending mode, with AM phase unit enabled.

AM Phase event logic is retained.

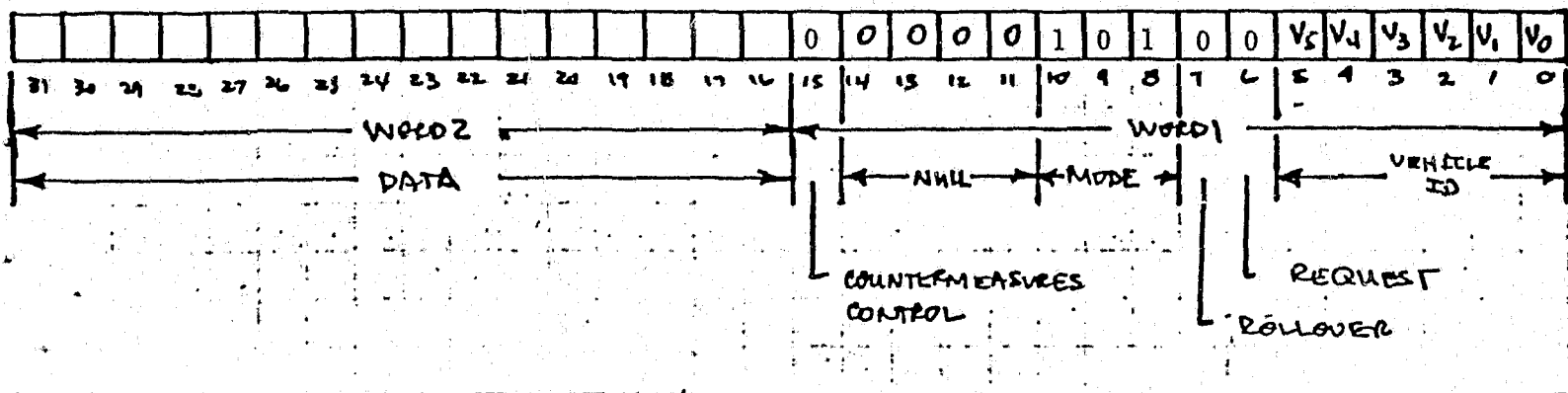
Vehicle reports every 2 - 3 minutes.

Vehicle communications is enabled for 500 msec following any transmission to the base station.

Event priority logic is retained.

Sensors are locked out except for tamper.

CARGO SECURITY SYSTEM VEHICLE / BASE STATION INTERFACE (UPLINK)



DEFINITION: Armed Remote Alarm Request

VEHICLE MODE: Remote Alarm -
Normal - None
Remote Alarm Pending - None
Off - None

COMMENTS: Data field information contains lost data field transmitted. Indicated the vehicle is in the Remote Alarm Mode.

APPENDIX C

ISC PROGRAM LISTING

ISC PROGRAM LISTING

The program listing for the ISC terminal is presented in this section.

Since there was no assembler available, the only listing available is in Hexadecimal Machine language; just as the program was written.

The Hexadecimal listing is shown on the right on each of the following pages. Due to a CPU operating system limitation of the ISC, the program must be loaded in 256 byte blocks, each of which is an even page boundary. Each page following in this section is such a block. Because of this limit certain files contain garbage at the end which should be ignored.

The listings are in the Intel Hexadecimal Format just as the file comes to the ISC from the base station. To read the files, one starts at the eighth character after each colon (the starting memory location of where the file is loaded is given by the last 4 of the first six characters^{after the colon}). The last two characters before the 2 periods are the checksum for the previous 16 bytes and should also be ignored. The last subblock starting with 8 zeros is an end of block marker and should also be ignored.

BLOCK NUMBER 00000

000/ 035012 030061 030101 030060 030060 033060 030460 042460 *. : 10A00000006010E*
020/ 030460 030462 030060 030501 031062 030106 030101 030462 *012100A122F0A021*
040/ 030460 030501 031062 031106 030101 043064 005015 030472 *01A122F2A04F...:1*
060/ 040460 030460 030060 031060 030061 040471 031061 043062 *0A010002109A122F*
100/ 040464 031060 033061 040502 031061 043062 040466 030460 *4A0216BA122F6A01*
120/ 040461 034060 031060 033501 006506 035012 030061 030101 *1A0002A7F...:10A0*
140/ 030062 030060 030106 030101 042467 041105 031462 033467 *2000F0A07EEB2377*
160/ 031462 041105 041460 034467 042506 033460 031103 031062 *23EB0C79FE07C222*
200/ 030101 040462 033465 005015 030472 040460 031460 030060 *A02A57...:10A0300*
220/ 043060 040462 033460 031105 042463 033502 031067 031063 *0F2A07E23EB77232*
240/ 042463 030102 033503 043071 030105 041505 031462 040462 *3EB0C79FE0EC232A*
260/ 031460 006465 035012 030061 030101 030064 030060 041460 *035...:10A040000C*
300/ 034467 031461 031461 042506 032461 031103 030064 030101 *791313FE15C240A0*
320/ 040462 032106 030101 042467 031462 041105 033467 043105 *2AF4A07E23EB77EF*
340/ 005015 030472 040460 032460 030060 031060 031063 042463 *. : 10A050002323E*
360/ 030102 033503 043071 031505 041463 032062 040503 030060 *B0C79FE33C24CA00*
400/ 033503 030471 030463 043063 032105 033464 006505 035012 *C791313FE447E...:*
420/ 030061 030101 030066 030060 031103 040465 030101 040462 *10A06000C25A02A*
440/ 033106 030101 042467 031462 041105 033467 031462 031462 *F6A07E23EB772323*
460/ 041105 041460 034467 042506 042102 005015 030472 040460 *EB0C79FEBD...:10A*
500/ 033460 030060 032060 041502 033062 040466 042460 030502 *070004BC266A0EB1*
520/ 040461 030103 030460 031071 043062 040470 030460 033461 *1AC001922F0A0117*
540/ 030101 031060 034501 006504 035012 030061 030101 030070 *A002A9D...:10A000*
560/ 030060 030106 030101 034461 031062 030106 030101 040462 *00F0A01922F0A02A*
600/ 031106 030101 034461 031062 031106 030101 040462 032106 *F2A01922F2A02AF4*
620/ 030101 042462 005015 030472 040460 034460 030060 030460 *A02E...:10A090001*
640/ 031071 043062 040464 031060 043101 040466 030460 031071 *922F4A02AF6A0192*
660/ 043062 040466 031060 043101 040470 042460 030102 040464 *2F6A02AF8A0EB04A*
700/ 006506 035012 041060 030101 030101 030060 034067 042506 *F...:0BA0A00078FE*
720/ 034461 042460 030460 031103 043061 030101 031503 030060 *190E01C21FA0C300*
740/ 032102 043061 005015 030072 030060 030060 030060 043061 *B41F...:00000001F*
760/ 000106 000000 000124 000000 000000 000000 000000 000000 *F...T.....*

BLOCK NUMBER 00000

000/ 035012 030061 030501 030060 030060 033463 032064 032062 *. : 10A10000374424*
020/ 032064 032062 032064 032062 032064 032062 032064 032062 *4424442444244424*
040/ 032064 032062 032064 032062 032064 041506 005015 030472 *4424442444FC...:1*
060/ 040460 030461 030060 031060 032464 031065 032464 031065 *0A11000245524552*
100/ 032464 031065 032464 031065 032464 031065 032464 031065 *4552455245524552*
120/ 031064 031064 032464 040465 006470 035012 030061 030501 *4242455A8...:10A1*
140/ 030062 030060 043071 032465 031502 032465 030060 032465 *20009F5583550055*
160/ 030060 032465 043106 032465 032105 032465 031503 032465 *0055FF55E455C355*
200/ 041460 032062 032102 005015 030472 040460 031461 030060 *0C24B4...:10A1300*
220/ 040460 032460 033065 032467 041465 032471 030065 032460 *0A0556755C955005*
240/ 034465 032506 030065 032460 041465 032471 030065 032460 *59F550055C955005*
260/ 031465 006506 035012 030061 030501 030064 030060 043071 *53F...:10A140009F*
300/ 032465 030060 032465 030060 032465 042460 032465 040460 *55005500550E550A*
320/ 032465 030060 032465 030060 032465 040460 032465 033101 *55005500550A55A6*
340/ 005015 030472 040460 032461 030060 030060 032502 030065 *. : 10A150000B550*
360/ 032470 030065 032470 030065 032470 030065 032502 030065 *855085508550B550*
400/ 032470 030065 032470 030065 032471 030465 006460 035012 *8550855095510...*
420/ 030061 030501 030066 030060 034460 032465 041060 032465 *10A1600009550855*
440/ 034060 031462 034460 032464 040460 033466 034460 032465 *082309450A670955*
460/ 034460 032465 034460 032465 042062 005015 030472 040460 *095509552D...:10A*
500/ 033461 030060 030060 032471 030065 032501 030065 032501 *1700009550A550A5*
520/ 030065 032501 030065 032502 030065 030060 032462 030060 *50A550B550002500*
540/ 030062 030101 040462 006464 035012 030460 030501 030070 *20A02A4...:01A180*
560/ 030060 030060 042504 005015 030072 030060 030060 030060 *0000DE...:0000000*
600/ 043061 000106 000000 005015 030072 030060 030060 030060 *1FF.....:0000000*
620/ 043061 000106 000000 000007 010100 006300 006300 006300 *1FF.....0.0.0.*
640/ 006300 060200 012602 012601 000205 050553 057032 047014 *0...~.....KQ.↑.N*
660/ 000000 000000 051105 047522 020122 020103 000000 000000 *....ERROR C*
700/ 047111 040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

BLOCK NUMBER 00000

```
000/ 035012 030061 041501 030504 030060 032465 030064 032465 *. :10ACD100554055*
020/ 030064 032465 030064 032465 030064 032465 030064 032465 *4055405540554055*
040/ 030064 032465 030064 032465 030064 041103 005015 030472 *4055405540CB...:1*
060/ 040460 042503 030061 032460 032065 032460 032065 032460 *0ACE100554055405*
100/ 031065 032465 031065 032465 031065 032465 031065 032465 *5255525552555255*
120/ 031065 032465 031065 032465 006504 035012 030061 041501 *52555255D...:10AC*
140/ 030506 030060 032465 032462 032465 032462 032465 032462 *F100552555255525*
160/ 032465 032462 032465 032462 032465 032462 032465 032462 *5525552555255525*
200/ 032465 032462 031470 005015 030472 040460 030104 030061 *552503...:10AD010*
220/ 032460 031065 032465 031065 031065 031065 032465 031065 *0552555252525552*
240/ 032465 031065 032465 031065 032465 031065 032465 031065 *5552553255525552*
260/ 040465 006462 035012 030061 042101 030461 030060 032465 *5A2...:10AD110055*
300/ 032462 032465 032462 032064 032462 032462 032462 032462 *2555254444252525*
320/ 032462 032462 032462 032462 032462 032462 032462 032064 *2525252525252544*
340/ 005015 030472 040460 031104 030061 031060 031065 031065 *...:10AD210025252*
360/ 031065 031065 031065 031065 031065 032465 032465 032465 *5252525252555555*
400/ 032465 032465 032465 032465 032465 032465 006462 035012 *5555555555552...*
420/ 030061 042101 030463 030060 032465 032465 032465 032465 *10AD310055555555*
440/ 032465 032462 032462 032462 032462 032462 031060 030062 *5525252525250220*
460/ 031060 030460 031060 030062 034466 005015 030072 030060 *0201022069...:000*
500/ 030060 030060 043061 000106 000000 032501 030065 032501 *00001FF...A550A5*
520/ 030065 032501 030065 032502 030065 030060 032462 030060 *50A550B550002500*
540/ 030062 030101 040462 006464 035012 030460 030501 030070 *20A02A4...:01A100*
560/ 030060 030060 042504 005015 030072 030060 030060 030060 *0000DE...:0000000*
00/ 043061 000106 000000 005015 030072 030060 030050 030060 *1FF.....:0000000*
20/ 043061 000106 000000 000007 010100 006300 006300 006300 *1FF.....:0.0.0.0.*
40/ 006300 060200 012602 012601 000205 050553 057032 047014 *0...:KQ.+.N*
60/ 000000 000000 051105 047522 020122 020103 000000 000000 *....ERROR C ....*
00/ 047111 040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
20/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
40/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
60/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*
```

BLOCK NUMBER 000000
000/ 035012 030061 043101 034106 030060 033060 030460 030462 *. :10AFF800060121*
020/ 040501 030070 031062 031104 030101 030462 030504 041501 *AAR022D2A021D1AC*
040/ 031062 041106 030101 030462 031470 032066 005015 030472 *22FBA0218364...1*
060/ 041060 030060 030070 040460 031060 034062 040463 030460 *0B00000A02203A01*
100/ 033461 030105 031460 030101 041060 030463 031471 043104 *17E003A00B3193DF*
120/ 030462 041062 031060 040462 006502 035012 030061 030102 *212B022AB...10B0*
140/ 034061 030060 042106 030101 030060 040462 031104 030101 *1800FDA0002AD2A0*
160/ 041105 040462 041106 030101 042467 031462 040504 030064 *EB2AFBA07E23DA40*
200/ 040504 032066 033064 005015 030472 041060 031060 030070 *DA6446...10B0280*
220/ 042060 043101 042105 041501 032501 041060 043060 031105 *0DAFEDACA50B0FE2*
240/ 041464 031501 041102 042460 031102 031063 033463 042467 *4CA3BB0EB232377E*
260/ 031502 006462 035012 030061 030102 034063 030060 031503 *B32...10B03800C3*
300/ 031062 030102 031503 030070 030102 034065 034065 033506 *22B0C380B05858F7*
320/ 033506 033506 033506 030063 030063 030063 030063 032063 *F7F7F73030303034*
340/ 005015 030472 041060 032060 030070 040460 043067 043067 *. :10B04800F7F7F*
360/ 043067 031467 031460 031460 031460 041460 040463 041060 *7F730303030C3A0B*
400/ 043060 031467 031460 031460 031460 034460 006462 035012 *0F73030303092...*
420/ 030061 030102 034065 030060 033506 033506 033506 033506 *10B05800F7F7F7F7*
440/ 030063 030063 030063 030063 033506 033506 033506 033506 *30303030F7F7F7F7*
460/ 031062 041106 030101 040462 034470 005015 030472 041060 *22FBA02A89...10B*
500/ 033060 030070 043060 040504 041460 031063 041062 031460 *06800FDA0C322B03*
520/ 031460 031460 043060 043067 043067 043067 031467 031460 *03030F7F7F7F7303*
540/ 031460 031460 033460 006501 035012 034460 030102 034067 *030307A...09B078*
560/ 030060 033506 033506 033506 033506 030063 030063 030063 *00F7F7F7F7303030*
600/ 030063 031062 030461 005015 030072 030060 030060 030060 *302211...0000000*
620/ 043061 000106 000000 000007 010100 006300 006300 006300 *1FF.....0.0.0.0.*
640/ 006300 060200 012602 012601 000205 050553 057032 047014 *0...KQ.↑.N*
660/ 000000 000000 051105 047522 020122 020103 000000 000000 *....ERROR C*
700/ 047111 040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

BLOCK NUMBER 000000

000/ 035012 030061 030102 030470 030060 042106 030101 040462 *. : 10B03100FDA02A*
020/ 031104 030101 030461 030064 030460 034461 031503 030103 *02A011400119C3C0*
040/ 030102 030060 032060 032060 034067 034066 005015 030472 *B000004047868...:1*
060/ 041060 034460 030061 043060 031105 041504 031062 041062 *0809100FE2DC222B*
100/ 041460 030063 041060 031064 043062 040504 031060 042101 *0C300B422FDA02AD*
120/ 040462 030460 031061 042462 006502 035012 030061 030102 *2A01122EB...:10B0*
140/ 030501 030060 041106 030101 040462 031104 030101 030461 *A100FBA02AD2A011*
160/ 030101 030060 034461 031503 040503 030102 032060 034067 *A00019C3CAB00478*
200/ 042506 042062 040502 005015 030472 041060 041060 030061 *FE2DBA...:10B0B10*
220/ 041460 031062 041062 041460 030063 041060 030064 041460 *0C222B0C300B400C*
240/ 041467 041467 041467 030067 030060 030060 030060 031060 *7C7C7C7C000000002*
260/ 032062 006466 035012 030061 030102 030503 030060 031104 *246...:10B0C100D2*
300/ 030101 041105 040462 041106 030101 031503 042470 030102 *A0EB2AFBA0C38EB0*
320/ 031062 031104 030101 041105 040462 041106 030101 034061 *22D2A0EB2AFBA018*
340/ 005015 030072 041063 042060 030061 041460 040463 041104 *. : 0530D100C3ADB*
360/ 032460 006503 035012 030060 030060 030060 030460 043106 *05C...:00000001FF*
400/ 000000 031400 031460 031460 031460 034460 006462 035012 *...3030303092...:*
420/ 030061 030102 034065 030060 033506 033506 033506 033506 *10B05800F7F7F7F7*
440/ 030063 030063 030063 030063 033506 033506 033506 033506 *30303030F7F7F7F7*
460/ 031062 041106 030101 040462 034470 005015 030472 041060 *22FBA02A89...:10B*
500/ 033060 030070 043060 040504 041460 031063 041062 031460 *06800FDA0C322B03*
520/ 031460 031460 043060 043067 043067 043067 031467 031460 *03030F7F7F7F7303*
540/ 031460 031460 033460 006501 035012 034460 030102 034067 *030307A...:09B078*
560/ 030060 033506 033506 033506 033506 030063 030063 030063 *00F7F7F7F7303030*
600/ 030063 031062 030461 005015 030072 030060 030060 030060 *302211...:00000000*
620/ 043061 000106 000000 000007 010100 006300 006300 006300 *1FF.....@.@.@.*
640/ 006300 060200 012602 012601 000205 050553 057032 047014 *@...KQ.↑.N*
660/ 000000 000000 051105 047522 020122 020103 000000 000000 *....ERROR C....*
700/ 047111 040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

BLOCK	NUMBER	000000
000/	035012	030061 030502 030000 030060 030461 030070 041470 *.:10B100001180BC*
020/	033060	033060 042460 034060 031503 030065 040502 042467 *06060E08C350BA7E*
040/	031462	033460 031503 042106 034502 031061 005015 030472 *2307C3FDB912...!*
060/	041060	030461 030060 031060 043062 040504 042460 030502 *0B110022FDA0EB1*
100/	040461	030060 030460 031471 043062 041060 030071 033504 *1A00001932FAB9BD7*
120/	041471	030463 041103 041501 006461 035012 030061 030502 *9C31CBAC1...:10B1*
140/	030062	030060 032460 034067 031103 032460 030502 030060 *20000578C205B100*
160/	031503	030060 032102 034067 042504 032060 031106 043064 *C300B478DE04F24F*
200/	030502	031503 032101 005015 030472 041060 031461 030060 *B1C3A4...:10B1300*
220/	031460	041060 033501 042505 030102 030460 030061 030060 *030BA7EEB0011000*
240/	033460	031067 031063 030463 030103 030060 030060 041460 *0772321C000000C*
260/	030063	006506 035012 030061 030502 030064 030060 030067 *30F...:10B1400070*
300/	040502	030461 033070 030060 034461 041105 042060 034467 *BA11860019EBD79*
320/	031103	042061 040502 031503 030062 030502 041105 041471 *C21DBAC320B1EB9C*
340/	005015	030472 041060 032461 030060 030460 030061 030060 *...:10B1500011000*
360/	031460	031105 030060 033460 030067 031060 031063 030463 *03E2000770023231*
400/	033503	043102 032505 041460 032462 041463 006471 035012 *CB7FE50C253C9...*
420/	040460	030502 030066 030060 030502 041105 042060 034467 *0AB16000B1EBD79*
440/	031103	042061 040502 031503 030062 030502 033071 005015 *C21DBAC320B196...*
460/	030072	030060 030060 030060 043061 000106 000000 002756 *:00000001FF...N.*
500/	104351	104350 005737 001632 001406 012700 003000 152700 *I.H.<.....@...@U*
520/	000001	104374 000205 005237 002754 005004 113737 002736 *.>....L...<.↑.*
540/	001736	113737 002740 001737 000205 010146 010246 010001 **<.<..<...F.&...*
560/	042701	177600 162701 000060 022701 000011 003402 162701 *AE...AE0.AX...AE*
600/	000007	116002 000001 002702 177600 162702 000060 022702 *.....BE..BE0.B**
620/	000011	003402 162702 000007 010100 006300 006300 006300 *.....BE..@.@.@.*
640/	006300	006200 012602 012601 000205 050553 057032 047014 *@~.....KQ.↑.N**
660/	000000	000000 051105 047522 020122 020103 000000 000000 *....ERROR C....*
700/	047111	040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
720/	050131	000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/	043040	046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/	047111	052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

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BLOCK NUMBER 000000
000/ 035012 030061 034502 042106 030060 031062 042106 030101 *.:10B9FD0022FDA0*
020/ 031063 030106 034502 031104 034462 030502 031503 030061 *32F0B9D229B1C310*
040/ 030502 043106 043106 043106 042102 033102 005015 030472 *B1FFFFFBD86...!*
```


BLOCK NUMBER 00000

000/ 035012 030061 032102 030060 030060 031506 042463 030061 *. : 10B40000F33E10*
020/ 031504 034060 041104 031460 033105 030062 040503 042060 *D308DB03E620CA0D*
040/ 032102 041106 030060 042463 032060 032067 005015 030472 *B4FB003E0474...:1*
060/ 041060 030464 030060 042060 030063 042070 030102 042463 *0B41000D308DB03E*
100/ 031066 041460 031101 041061 031464 030105 042106 030063 *620CA21B43E0FD30*
120/ 042064 030102 042061 043063 006502 035012 030061 032102 *4DB01D3F8...:10B4*
140/ 030062 030060 033060 042463 030061 031504 034061 041104 *2000063E10D318DB*
160/ 031461 033105 030062 040503 032063 032102 042463 031460 *13E620CA34B43E03*
200/ 031504 032061 043060 005015 030472 041060 031464 030060 *D3140F...:10B4300*
220/ 042060 030502 042060 030063 041466 030463 041070 042065 *0DB10D306C318B5D*
240/ 043063 043063 042463 042502 043063 042063 042063 042063 *3F3F3EBE3F3D3D3D*
260/ 041463 006465 035012 031060 032102 030064 030060 042466 *3C5...:02B440006E*
300/ 042466 042462 005015 030072 030060 030060 030060 043061 *6E2E...:00000001F*
320/ 000106 000000 041066 031460 034460 030460 030460 033505 *F...6B03090101E7*
340/ 005015 030472 041060 032506 030060 030060 030061 030071 *...:10BF500001090*
360/ 030071 030061 030061 030061 030061 030061 033061 033102 *90101010101016B6*
400/ 033102 033102 030102 030071 030071 030061 006471 035012 *B6B6B09090109...:*
420/ 030061 043102 030066 030060 031503 041506 033102 041066 *10BF6000C3FCB66B*
440/ 041066 034464 030460 041066 041066 041066 041066 041066 *6B49016B6B6B6B6B*
460/ 034460 034460 034460 034460 030460 005015 030472 041060 *0909090901...:10B*
500/ 033506 030060 041460 030104 040460 041505 043063 040470 *F7000CD00AEC3F8A*
520/ 030106 030071 031071 033102 033102 033102 033102 032071 *F09092B6B6B6B694*
540/ 030071 041471 042071 006501 035012 030061 043102 030070 *909C9DA...:10BF80*
560/ 030060 042103 030060 042501 031503 034060 032502 034504 *00CD00AEC308B5D9*
600/ 034471 041106 041106 041106 041106 031471 030471 030471 *99FBFBFBFB939191*
620/ 030471 031061 005015 030072 041061 034506 030060 034460 *9112...:01BF90009*
640/ 030471 006467 035012 030060 030060 030060 030460 043106 *917...:00000001FF*
660/ 000000 000000 051105 047522 020122 020103 000000 000000 *....ERROR C*
700/ 047111 040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

BLOCK NUMBER 00000

```
000/ 035012 030061 032502 030060 030060 031505 042463 032070 *. : 10B50000F33E84*
020/ 031504 032461 031503 042060 032502 031506 042463 030101 *D315C30DB5F33EA0*
040/ 031504 032461 030462 030060 031102 042070 005015 030472 *D3152100B28D...:1*
060/ 041060 030465 030060 031060 030062 041060 031066 030061 *0B510002200B6210*
100/ 041062 031466 030066 031061 030061 041062 033466 043105 *2B636012102B67EF*
120/ 030105 041460 030101 031060 006464 035012 030061 032502 *E00CA0024...:10B5*
140/ 030062 030060 032102 040462 030060 033102 042467 042506 *2000B42A00B67EFE*
160/ 031460 031103 034464 032502 042463 030062 031504 034061 *03C249B53E20D318*
200/ 041104 031461 030461 005015 030472 041060 031465 030060 *DB1311...:10B5300*
220/ 042460 031066 041460 034063 041070 031465 030105 042063 *0E620C388B53E03D*
240/ 030463 031466 041505 042062 030063 031066 030061 041062 *3163EC2D3062102B*
260/ 031066 006471 035012 030061 032502 030064 030060 033063 *629...:10B5400036*
300/ 030060 042463 030101 030060 030060 031503 030060 032102 *003EA00000C300B4*
320/ 033464 042463 030062 031504 034061 041104 031461 031106 *473E20D318DB13F2*
340/ 005015 030472 041060 032465 030060 042460 031066 041460 *...:10B55000E620C*
360/ 033463 041060 031065 031063 031063 030062 041060 033466 *370B523232200B67*
400/ 042070 030463 041466 030063 041060 030064 006467 035012 *8D316C300B407...*
420/ 030061 032502 030066 030060 043103 043103 043103 043103 *10B56000CFCFCFCF*
440/ 034060 034060 034060 034060 043103 043103 043103 043103 *08080808CFCFCFCF*
460/ 034060 034060 034060 034060 031462 005015 030472 041060 *08080808B23...:10B*
500/ 033465 030060 031460 031105 042060 030463 042070 030502 *570003E20D318DB1*
520/ 042463 031066 030060 030060 041460 030101 041060 042064 *3E6200000CA00B4D*
540/ 030502 043062 031105 006465 035012 030061 032502 030070 *B12FE25...:10B580*
560/ 030060 043105 031103 030060 032102 031503 032465 032002 *00EFC200B4C355B5*
600/ 031062 042463 030062 031504 034061 041104 031461 033105 *223E20D318DB13E6*
620/ 030062 040462 005015 030072 041104 034465 030060 041460 *202A...:0DB59000C*
640/ 030101 041060 042064 030502 043062 042505 041506 030062 *A00B4DB12FEEFC20*
660/ 041060 041464 031463 041065 031465 006463 035012 030060 *0B4C335B533...:00*
700/ 030060 030060 030460 043106 000000 047400 042122 052040 *000001FF...ORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*
```

BLOCK NUMBER 00000

000/ 035012 030061 033102 041506 030060 033060 030060 030462 *. :10B6FC00060021*
020/ 030460 030502 042464 040463 030060 030502 030462 030060 *01B14E3A00B12100*
040/ 030501 030461 040467 030060 034461 033103 005015 030472 *A1117A0019C6...:1*
060/ 041060 030067 030103 031460 041504 030501 041063 041467 *0B70C003DCA13B7C*
100/ 030063 041102 030067 030060 042471 031102 030061 041062 *30BB70009EB2102B*
120/ 033461 043105 032105 032460 006463 035012 041460 033502 *17EFE4053...:0CB7*
140/ 041461 030060 040503 030060 032102 031462 030060 041105 *1C00CA00B42300EB*
160/ 033467 031462 041105 031503 034461 033502 042067 005015 *7723EBC319B77D...*
200/ 030072 030060 030060 030060 043061 000106 000000 030060 *:00000001FF...00*
220/ 042460 031066 041460 034063 041070 031465 030105 042063 *0E620C388B53E03D*
240/ 030463 031466 041505 042062 030063 031066 030061 041062 *3163EC2D3062102B*
260/ 031066 006471 035012 030061 032502 030064 030060 033063 *629...:10B5400036*
300/ 030060 042463 030101 030060 030060 031503 030060 032102 *003EA00000C300B4*
320/ 033464 042463 030062 031504 034061 041104 031461 031106 *473E20D318DB13F2*
340/ 005015 030472 041060 032465 030060 042460 031066 041460 *. :10B55000E620C*
360/ 033463 041060 031065 031063 031063 030062 041060 033466 *370B523232200B67*
400/ 042070 030463 041466 030063 041060 030064 006467 035012 *8D316C300B407...:*
420/ 030061 032502 030066 030060 043103 043103 043103 043103 *10B56000CFCFCFCF*
440/ 034060 034060 034060 034060 043103 043103 043103 043103 *08080808CFCFCFCF*
460/ 034060 034060 034060 034060 031462 005015 030472 041060 *0808080823...:10B*
500/ 033465 030060 031460 031105 042060 030463 042070 030502 *570003E20D318DB1*
520/ 042463 031066 030060 030060 041460 030101 041060 042064 *3E6200000CA00B4D*
540/ 030502 043062 031105 006465 035012 030061 032502 030070 *B12FE25...:10B580*
560/ 030060 043105 031103 030060 032102 031503 032465 032502 *00EFC200B4C355B5*
600/ 031062 042463 030062 031504 034061 041104 031461 033105 *223E20D318DB13E6*
620/ 030062 040462 005015 030072 041104 034465 030060 041460 *202A...:0DB59000C*
640/ 030101 041060 042064 030502 043062 042505 041506 030062 *A00B4DB12FEEFC20*
660/ 041060 041464 031463 041065 031465 006463 035012 030060 *0B4C335B533...:00*
700/ 030060 030060 030460 043106 000000 047400 042122 052040 *000001FF...ORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

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BLOCK NUMBER 000000
000/ 035012 040460 034102 030060 030060 041106 030462 030071 * :0AB80000FB2190*
020/ 043071 042463 030060 033467 031503 030060 032102 033503 *9F3E0077C300B4C7*
040/ 005015 030072 030060 030060 030060 043061 000106 000000 *. :00000001FF...*
060/ 103012 113737 000054 001643 152737 000060 001643 012700 *.,.,.#.<U0.#.@.*
100/ 001634 104351 104350 005003 005037 001632 005037 002754 *.I.H.....L.*
120/ 010304 004537 001324 122700 000012 001372 004537 001324 *D.<T.@%.Z.<T.*
140/ 122700 000072 001365 004537 001324 004537 001324 000300 *%>.U.<T.<T.@.*
160/ 156400 001736 004537 001522 006300 010037 001646 012701 *.J+,<R.@...&.A.*
200/ 000006 004537 001324 005301 001374 022700 000061 001437 *.<<.T.A.\.%!...*
220/ 022700 000060 001024 005737 001646 001405 004537 001324 *%>%..<.&....<T.*
240/ 005337 001646 000770 012701 000005 004537 001324 005301 *<.&.X.A...<T.A.*
260/ 001374 010403 022700 000072 001006 000137 001116 012700 *%,...%:...<N.@.*
300/ 001650 104351 104350 012700 001674 104351 104350 012701 *(.I.H.@.<.I.H.A.*
320/ 000004 004537 001324 005301 001374 005000 105064 001740 *.<<.T.A.\...4..*
340/ 012704 000777 004537 001340 000137 001000 032737 000200 *D...<.<.<.<5.*
360/ 175630 001774 113700 175632 042700 177600 110064 001740 *.[\@...[@E..4..*
400/ 005204 023704 001000 001060 012700 002742 012710 004400 *.D'.O.@.B.H...*
420/ 112710 000001 013760 002754 000002 013760 001740 000004 *H...P.L...P...*
440/ 012760 000400 000006 012760 000000 000010 104375 103012 *P.....P.....]*
460/ 113737 000054 002765 152737 000060 002765 012700 002756 *<...U:<U0.U.@.N.*
500/ 104351 104350 005737 001632 001406 012700 003000 152700 *I.H.<.....@...@U*
520/ 000001 104374 000205 005237 002754 005004 113737 002736 *. \.....L...<+. *
540/ 001736 113737 002740 001737 000205 010146 010246 010001 *+<.<.<...F.&...*
560/ 042701 177600 162701 000060 022701 000012 003402 162701 *AE. AE0.AX...AE*
600/ 000007 116002 000001 042702 177600 162702 000060 022702 *. ....BE..BE0.BX*
620/ 000011 003402 162702 000007 010100 006300 006300 006300 *. ....BE..@.@.@.*
640/ 006300 060200 012602 012601 000205 050553 057032 047014 *@ .. .KQ.+N**
660/ 000000 000000 051105 047522 020122 020103 000000 000000 *. ...ERROR C....*
700/ 047111 040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*
```

00000000
11
11

BLOCK NUMBER 00000

000/ 035012 030061 043102 030060 030060 031503 030060 034102 *. : 10BF0000C30068*
020/ 043067 042065 032465 042065 032465 043067 043067 043067 *7F5D555D557F7F7F*
040/ 043067 033465 032465 032465 032465 030470 005015 030472 *7F5755555581...:1*
060/ 041060 030506 030060 041460 030063 041060 032464 032504 *0BF1000C300B45D5*
100/ 032465 032465 032465 032465 033465 033506 033506 033506 *5555555557F7F7F7*
120/ 032467 032465 033465 034465 006461 035012 030061 043102 *755557591...:10BF*
140/ 030062 030060 031503 030060 032502 031503 030060 032502 *2000C300B5C300B5*
160/ 032465 033467 043067 033467 043067 043067 032465 032465 *55777F777F7F5555*
200/ 032465 032465 042060 005015 030472 041060 031506 030060 *55550D...:10BF300*
220/ 041460 030063 041070 041465 030063 041070 032465 032465 *0C308B5C308B5555*
240/ 033465 033467 033506 033506 033506 032504 032465 042065 *5777F7F7F7D5555D*
260/ 033065 006467 035012 030061 043102 030064 030060 041066 *567...:10BF40006B*
300/ 041066 041066 041066 034464 034460 034464 034460 041066 *6B6B6B490949096B*
320/ 041066 041066 041066 031460 034460 030460 030460 033505 *6B6B6B03090101E7*
340/ 005015 030472 041060 032506 030060 030060 030061 030071 *. : 10BF500001090*
360/ 030071 030061 030061 030061 030061 030061 033061 033102 *90101010101016B6*
400/ 033102 033102 030102 030071 030071 030061 006471 035012 *B6B6B09090109...:*
420/ 030061 043102 030066 030060 031503 041506 033102 041066 *10BF6000C3FCB66B*
440/ 041066 034464 030460 041066 041066 041066 041066 041066 *6B49016B6B6B6B6B*
460/ 034460 034460 034460 034460 030460 005015 030472 041060 *0909090901...:10B*
500/ 033506 030060 041460 030104 040460 041505 043063 040470 *F7000CD00AEC3F8A*
520/ 030106 030071 031071 033102 033102 033102 032071 *F09092B6B6B6B694*
540/ 030071 041471 042071 006501 035012 030061 043102 030070 *909C9DA...:10BF80*
560/ 030060 042103 030060 042501 031503 034060 032502 034504 *00CD00AEC308B5D9*
600/ 034471 041106 041106 041106 041106 031471 030471 030471 *99FBFBFBFB939191*
620/ 030471 031061 005015 030072 041061 034506 030060 034460 *9112...:01BF90009*
640/ 030471 006467 035012 030060 030060 030060 030460 043106 *917...:00000001FF*
660/ 000000 000000 051105 047522 020122 020103 000000 000000 *. : ERROR C ...*
700/ 047111 040526 044514 020104 042522 047503 042122 052040 *INVALID RECORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *TYPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

BLOCK NUMBER 00000
000/ 035012 030061 042101 030060 030060 030462 030060 030070 *:10AD0000210080*
020/ 033060 030063 042460 030065 042463 030062 033467 031462 *06300E503E207723*
040/ 042463 033463 033467 031462 042060 040506 005015 030072 *3E3777230DFA...0*
060/ 040501 030504 030060 033460 041471 030062 040467 030104 *AAD100079C207AD0*
100/ 033465 041470 030062 040465 041504 034471 006460 035012 *578C205ADC990...*
120/ 030060 030060 030060 030460 043106 000000 041400 033502 *00000001FF...CB7*
140/ 041461 030060 040503 030060 032102 031462 030060 041105 *1C00CA00B42300EB*
160/ 033467 031462 041105 031503 034461 033502 042067 005015 *7723EBC319B77D...*
200/ 030072 030060 030060 030060 043061 000106 000000 030060 *:00000001FF...00*
220/ 042460 031066 041460 034063 041070 031465 030105 042063 *0E620C388B53E03D*
240/ 030463 031466 041505 042062 030063 031066 030061 041062 *3163EC2D3062102B*
260/ 031066 006471 035012 030061 032502 030064 030060 033063 *629...10B5400036*
300/ 030060 042463 030101 030060 030060 031503 030060 032102 *003EA00000C300B4*
320/ 033464 042463 030062 031504 034061 041104 031461 031106 *473E20D318DB13F2*
340/ 005015 030472 041060 032465 030060 042460 031066 041460 *...10B55000E620C*
360/ 033463 041060 031065 031063 031063 030062 041060 033466 *3708523232200B67*
400/ 042070 030463 041466 030063 041060 030064 006467 035012 *8D316C300B407...*
420/ 030061 032502 030066 030060 043103 043103 043103 043103 *10B56000CFCFCFCF*
440/ 034060 034060 034060 034060 043103 043103 043103 043103 *08080808CFCFCFCF*
460/ 034060 034060 034060 034060 031462 005015 030472 041060 *0808080823...10B*
500/ 033465 030060 031460 031105 042060 030463 042070 030502 *570003E20D318DB1*
520/ 042463 031066 030060 030060 041460 030101 041060 042064 *3E6200000CA00B4D*
540/ 030502 043062 031105 006465 035012 030061 032502 030070 *B12FE25...10B580*
560/ 030060 043105 031103 030060 032102 031503 032465 032502 *00EFC200B4C35585*
600/ 031062 042463 030062 031504 034061 041104 031461 033105 *223E20D318DB13E6*
620/ 030062 040462 005015 030072 041104 034465 030060 041460 *202A...0DB59000C*
640/ 030101 041060 042064 030502 043062 042505 041506 030062 *A00B4DB12FEEFC20*
660/ 041060 041464 031463 041065 031465 006463 035012 030060 *0B4C335B533...00*
700/ 030060 030060 030460 043106 000000 047400 042122 052040 *000001FF...ORD T*
720/ 050131 000105 047111 040526 044514 020104 044103 051101 *YPE.INVALID CHAR*
740/ 043040 046117 047514 044527 043516 042040 052101 020101 * FOLLOWING DATA *
760/ 047111 052520 000124 000000 000000 000000 000000 000000 *INPUT.....*

CARGO SECURITY FIELD TEST

FINAL REPORT

Volume III: Part 2

APPENDIX D SECT. A

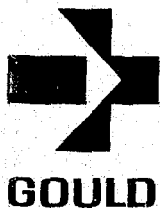
SOFTWARE DATA PACKAGE

November 1978

Prepared For

THE AEROSPACE CORPORATION

Contract No. J-LEAA-025-73



INFORMATION
IDENTIFICATION
INCORPORATED

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APPENDIX D

SOFTWARE DATA PACKAGE

SOFTWARE DATA PACKAGE

This appendix contains the Cargo Security System software listings, flow charts that describe the operation of the software in detail, functional descriptions of all modules and subroutines and data base printouts. Section A contains the program listings, Section B contains the flow charts and Section C contains the data base listings.

SECTION A

This section contains all the source listings in the Cargo Security System. These listings are not the actual memory maps of the system, but does include all executable statements. Global variables, external subroutines, and system subroutines are shown as relocatable in the assembly listings, furthermore, only the first word of a command, a table or an array is shown in the listings provided.

These listings are generally constructed in the following manner:

1. Module title
2. Comments on the program description.
3. Global variables which include all externally defined variables used in the module and internal variables which are declared as global to any other module.
4. Executable code with imbedded comments.
5. Internal subroutines.
6. Tables and arrays.

This section is organized under the following functional levels.

- o Listings for the Real-Time Executive and Utilities Modules
- o Listings of the Vehicle Communications Modules
- o Listings for the Alert/Control Data Processing Modules
- o Listings of the Dispatch Station Display/Control Models
- o Listings for the Base Station Display/Control Modules
- o Listings for the Data Logging Module

SECTION A.1

This section contains the following source listings of modules and subroutines which comprise the Real-Time Executive and Utilities:

Module

Subroutine

INITT 1	FNDVRF	DSPCR1 1
INITP 1	MOVBUE	KEONT1
INIT 1	VALVID	MOVK5
SCHLDR 1	FNDBUF	DSENT1
CTIME2	RLSBUE	MOVC5
DATEST	MESSP1	DSPCR2 1
TIMITST	MOVK2	KDENT2
SLOPCM	GTRHF	MOVR4
NORTNP	VALNO	DSENT2
POLNXT	WTRHF	MOVC3
CLNVP	LOGOV	VEHXPT 1
RSLOCM	BNDEC	DSPCHR 1
HELP 1	BN2OCT	DSPCH1
TYENT	BN2DEC	VCMPRC
TYPRC	OCTOBN	VEHCMD
MOVPI	BN2BCD	CMD0
ALCCMD	SAVREG	DSCTRL
BASECD	RSTREG	ALCPRC
DSPCMD	DISPRC	DTALOG
FNDREC	KBOENT	BSCTRL
GETSTR	MOVR1	DSUBS2 1
WTVREF	MOVC1	PRHIST 1
GFVREF		PRNORM 1

.TITLE INIT

INITP = INITIALIZATION PROCESSOR -- CARGO SECURITY

OBJECT: TO INITIALIZE THE PROCESSING PARAMETERS, DYNAMIC BUFFERS
AND BEGIN NORMAL MODE OF OPERATION.THIS ROUTINE INITIALIZES ALL CRITICAL SYSTEM RELATED VARIABLES
BY EITHER REQUESTING INPUT FROM THE BASE STATION KEYBOARD AND
PROCESSING THE RECEIVED DATA OR BY EQUATES. THE ROUTINE ALSO
ZEROS ALL POLLING BUFFERS AND OTHER SYSTEM BUFFERS.
DOES NOT INCLUDE DATA LOGGING.MCALL ..V2....REGDEF..TRPSET..WRITW..LOOKUP..ENTER..CLOSE..SRESET
..V2..
.REGDEF
.NLIST BEX.GLOBL INITP,MOVP1,DATEST,TIMTST,CTIME2,DSPCH1,TYENT,TYPRC
.GLOBL BASEC1,BUFK2,BUFP1,BSFLAG,FNDBUF
.GLOBL VEHQUE,SSPBUF,LOCBUF,MILBUF,VSTAT,VSTEND,VEHEND
.GLOBL SSPEND,LOCEND,MILEND,SPVEHE,SPEED,SPVEHD,SPDEND
.GLOBL SCHED,DLFLAG,LOGBUF,MTOUTP,DTASTR,KBDENT,DISPRC,VEHXPT
.GLOBL VSTABL,ROUTE,RBUF,CTFILE,TELREF,POLBUF
.GLOBL KDENT1,DSENT1,KDENT2,DSENT2
.GLOBL SPSTFL,XYFILE,VOLATL,IRAD50,LOGGER,DATESI
.GLOBL LOGFIL,NOLOG,LOGBLK,MTFILE,SYSTOP,DSCOMP
.GLOBL RLCTR,RLCTR1,RLPTR1,RVREF,LOAD,INBUF,RAMLOD

INTERFACING PERIPHERAL BUFFER ASSIGNMENTS

177776 PS	=	177776	: PROCESSOR STACK WORD
177546 CLOCK	=	177546	: CLOCK STATUS BUFFER
175620 RCSR2	=	175620	: RECEIVER STATUS BUFFER - BASE
175624 XCSR2	=	175624	: XMTR STATUS BUFFER - BASE
177560 PPS	=	177560	: PRINTER RECEIVER STATUS - BASE
177564 PRS	=	177564	: PRINTER XMTR STATUS - BASE
167770 DRCS	=	167770	: VEHICLE INTERRUPT STATUS REGISTER
167772 DROUTB	=	167772	: RADIO INTERFACE OUTPUT BUFFER
167774 DRINPB	=	167774	: RADIO INTERFACE INPUT BUFFER ADDRESS
175670 RCSR3	=	175670	: RECEIVER STATUS BUFFER - DISPATCH #1
175674 XCSR3	=	175674	: XMTR STATUS BUFFER - DISPATCH #1
175610 RCSR1	=	175610	: RECEIVER STATUS BUFFER - DISPATCH #2
175614 XCSR1	=	175614	: XMTR STATUS BUFFER - DISPATCH #2
000400 R1TRAP	=	400	: RADIO INTERFACE INPUT TRAP
000404 R2TRAP	=	404	: RADIO INTERFACE INPUT TRAP

.ASECT

SET SUPPORT DEVICE INTERRUPT VECTORS

.=300
.WORD VEHXPT,240,VEHXPT,240

```

54      000310      . =310
55 00310 000000G   .WORD  KIDENT2,340, DSENT2,340
56      000400      . =400
57 00400 005364*   .WORD  QUE3,300, QUE3,300
58      000340      . =340
59 00340 000000G   .WORD  KIDENT1,240, DSENT1,240
60
61      000000*     .CSECT
62
63      ;
64      ;
65 00000 001750 VOLATL: .WORD  1000.
66 00002 000006      .WORD  6.0,0.0
67      .BLKW  1080.
68 04172 012767 INITP: MOV    #TYENT,60
69 04200 012767      MOV    #TYPRC,64
70 04206 052767      BIS    #100,PPS      ; ENABLE PRINTER INTERRUPT
71 04214 052767      BIS    #100,PRS      ; ENABLE PRINTER KEYBOARD INTERRUPT
72
73      ;
74      ;
75 04222 012706      MOV    #776,SP      ; INITIALIZE STACK POINTER
76 04226 005067      CLR    PS          ; SET PROCESSOR PRIORITY
77
78      ;
79      ;
80 04232 004567 INIT0: JSR    R5,MOVP1      ; OUTPUT DATA TO CHARACTER PRNTR
81 04236 005552*     .WORD  DATRQST      ; ASCII BUFFER
82 04240 000006      .WORD  6          ; NO. OF CHAR.
83 04242 000000 ERFLG4: .WORD  0          ; ERROR RETURN ADDRESS
84 04244 005767      TST    ERFLG4      ; TEST FOR ERROR ON INPUT
85 04250 001023      BNE    ERFLG1      ; YES, OUTPUT ERROR MESSAGE
86 04252 012767 I0:  MOV    #DATERR,12    ; RESTORE TEST ERROR BUFFER ADDR
87 04260 032767 I1:  BIT    #1000,BSFLAG  ; LOOP
88 04266 001774      BEQ    I1          ; RETN
89 04270 042767      BIC    #1000,BSFLAG  ; RESET FLAG DATA
90 04276 012700      MOV    #DATABF+11,,R0 ; STORE DATA XFR LIMT
91 04302 004567      JSR    R5,INPUT      ; TRANSFER DATA
92 04306 004567      JSR    R5,DATEST     ; TEST INPUT DATA FORMAT
93 04312 005604* BUFF: .WORD  DATABF      ; ADDRESS OF DATA
94 04314 000404      BR     ERR1          ; ERROR TRAP
95 04316 000414      BR     INIT1        ; GOOD DATE INFO GO TO TIME
96 04320 012767 ERFLG1: MOV    #BUFERR,12 ; ERROR PRINTOUT
97 04326 004567 ERR1: JSR    R5,MOVP1      ; OUTPUT ERROR DATA
98 04332 005560* I2:  .WORD  DATERR      ; ERROR BUFFER
99 04334 000010      .WORD  10          ; NO. OF CHAR
100 4336 000000 ERFLG: .WORD  0          ; ERROR RETURN ADDRESS
101 4340 005767      TST    ERFLG        ; IS ERROR FLAG SET?
102 4344 001370      BNE    ERR1          ; YES, OUTPUT ERROR MESSAGE
103 4346 000731      BR     INIT0        ; START AGAIN
104
105      ;
106      ;

```

REQUEST TIME INPUT, TEST VALIDITY AND INITIALIZE CLOCK

```

107 4350 004567 INIT1: JSR R5,MOV P1 ; OUTPUT DATA TO PRNTR
108 4354 005600 .WORD TIMRQT ; ADDRESS OF DATA
109 4356 000004 .WORD 4 ; NO. OF CHAR.
110 4360 000000 ERFLG3: .WORD 0 ; ERROR FLAG
111 4362 005767 TST ERFLG3 ; FLAG SET?
112 4366 001023 BNE ERFLG2 ; YES, START AGAIN
113 4370 012767 I3: MOV #DATERR, I4 ; RESTORE BUFFER
114 4376 032767 BIT #1000, BSFLAG ; TEST PASSED DATA FINI FLAG
115 4404 001771 BEQ I3 ; RETN
116 4406 042767 BIC #1000, BSFLAG ; CLEAR CALLING FLAG
117 4414 012700 MOV #DATABF+9., R0 ; STORE DATA XFR LIMIT
118 4420 004567 JSR R5, INPUT ; TRANSFER DATA
119 4424 004567 JSR R5, TIMTST ; GO TEST INPUT
120 4430 005604 BUFF1: .WORD DATABF ; ADDRESS OF DATA
121 4432 000404 BR ERR2 ; ERROR RETURN
122 4434 000414 BR INIT2 ; GOOD DATA! START CLOCK
123 4436 012767 ERFLG2: MOV #BUFERR, I2 ; STORE ERROR MESSAGE FOR CHAR.
124 4444 004567 ERR2: JSR R5, MOV P1 ; OUTPUT ERROR
125 4450 005560 I4: .WORD DATERR ; DATA ADDRESS
126 4452 000010 .WORD 10 ; NO. OF CHARACTERS
127 4454 000000 ERFLG5: .WORD 0
128 4456 005767 TST ERFLG5 ; RETURN ERROR FLAG
129 4462 001370 BNE ERR2 ; GO TO ERROR PROCESSOR
130 4464 000731 BR INIT1 ; REQUEST DATA AGAIN
131
132 ; TEST FOR DATA LOGGING FUNCTION
133 ;
134 4466 004567 INIT2: JSR R5, MOV P1 ; OUTPUT DATA TO CHARACTER PRNTR
135 4472 005644 .WORD LOGRQT ; ASCII BUFFER
136 4474 000004 .WORD 4 ; NO. OF CHAR.
137 4476 000000 ERFLG6: .WORD 0 ; ERROR RETURN ADDRESS
138 4500 005767 TST ERFLG6 ; TEST FOR ERROR ON INPUT
139 4504 001031 BNE I020E2 ; YES, OUTPUT ERROR MESSAGE
140 4506 012767 I20: MOV #DATERR, I20E ; RESTORE TEST ERROR BUFFER ADDR
141 4514 032767 I201: BIT #1000, BSFLAG ; LOOP
142 4522 001774 BEQ I201 ; RETN
143 4524 042767 BIC #1000, BSFLAG ; RESET FLAG DATA
144 4532 012700 MOV #DATABF+3., R0 ; STORE DATA XFR LIMT
145 4536 004567 JSR R5, INPUT ; TRANSFER DATA
146 4542 122767 CMPB #131, DATABF ; IS FIRST CHARACTER A Y?
147 4550 001423 BEQ I02YES ; GO TO YES PROCESSING
148 4552 122767 CMPB #116, DATABF ; IS INPUT CHARACTER AN N?
149 4560 001006 BNE I020E1 ; NEITHER, AN ERROR!!!!
150 4562 000167 JMP I02NO ; YES, GO TO NO PROCESSING
151 4566 000403 BR I020E1 ; NEITHER, AN ERROR!!!!
152 4570 012767 I020E2: MOV #BUFERR, I20E ; ERROR PRINTOUT
153 4576 004567 I020E1: JSR R5, MOV P1 ; OUTPUT ERROR DATA
154 4602 005560 I20E: .WORD DATERR ; ERROR BUFFER
155 4604 000010 .WORD 10 ; NO. OF CHAR
156 4606 000000 ERFLG7: .WORD 0 ; ERROR RETURN ADDRESS
157 4610 005767 TST ERFLG7 ; IS ERROR FLAG SET?
158 4614 001370 BNE I020E1 ; YES, OUTPUT ERROR MESSAGE
159 4616 000723 BR INIT2

```


CONTINUED

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160 4620 005067 IO2YES: CLR      NOLOG      ; CLEAR NO LOGGER FLAG
161 4624 005067      CLR      LOGBLK      ; SET BLOCK NO FOR DATA RECORD
162 4630 004567      JSR      R5,MOVFP1    ; OUTPUT DATA TO CHARACTER PRNTR
163 4634 005650      .WORD    LOGFNM      ; ASCII BUFFER
164 4636 000004      .WORD    4           ; NO. OF CHAR.
165 4640 000000 ERFLG8: .WORD    0         ; ERROR RETURN ADDRESS
166 4642 005767      TST      ERFLG8      ; TEST FOR ERROR ON INPUT
167 4646 001350      BNE      IO2OE2      ; YES, OUTPUT ERROR MESSAGE
168 4650 012767 IO2Y1: MOV      #DATERR,IO2Y6 ; RESTORE TEST ERROR BUFFER ADDR
169 4656 032767 IO2Y2: BIT      #1000,BSFLAG ; LOOP
170 4664 001774      BEQ      IO2Y2      ; RETN
171 4666 042767      BIC      #1000,BSFLAG ; RESET FLAG DATA
172 4674 012700      MOV      #LOGASC+8,,R0 ; STORE DATA XFR LIMT
173 4700 116701      MOV      BUFK2+2,R1
174 4704 062701      ADD      #BUFK2+4,R1
175 4710 012702      MOV      #LOGASC+3,R2
176 4714 004567      JSR      R5,A1        ; TRANSFER DATA
177 4720      .LOOKUP  #AREA1,#7,#LOGFIL
178 4752 103121      BCC      IO2Y3      ; FILE ALREADY THERE. GO AROUND
179 4754      .CLOSE  #7
180 4766      .SRESET
181 4770      .ENTER  #AREA1,#7,#LOGFIL,#1024.
182 5030 103015      BCC      IO2Y7      ; FILE ENTERED, GO CLOSE CHANNEL
183 5032 012767 IO2Y5: MOV      #BUFERR,IO2Y6 ; ERROR PRINTOUT
184 5040 004567 IO2Y4: JSR      R5,MOVFP1    ; OUTPUT ERROR DATA
185 5044 005700 IO2Y6: .WORD    ENTERR      ; ERROR BUFFER
186 5046 000010      .WORD    10         ; NO. OF CHAR
187 5050 000000 ERFLG9: .WORD    0         ; ERROR RETURN ADDRESS
188 5052 005767      TST      ERFLG9      ; IS ERROR FLAG SET?
189 5056 001365      BNE      IO2Y5      ; YES,OUTPUT ERROR MESSAGE
190 5060 000167      JMP      INIT0      ; GO BACK TO THE START
191 5064 004567 IO2Y7: JSR      R5,FNDBUF    ; FIND AVAILABLE BUFFER
192 5070 000000 IO2Y8: .WORD    0         ; BUFFER ADDRESS
193 5072 016701      MOV      IO2Y8,R1      ; GET ADDRESS OF BUFFER
194 5076 062701      ADD      #512,,R1      ; ADD OFFSET TO END
195 5102 016700      MOV      IO2Y8,R0      ; GET ADDRESS AGAIN
196 5106 005020 IO2Y9: CLR      (R0)+      ; CLEAR BUFFER
197 5110 020100      CMP      R1,R0        ; AT END OF BUFFER?
198 5112 100375      BPL      IO2Y9      ; NO. GO TO THE NEXT WORD
199 5114 005001      CLR      R1          ; INITIALIZE NUMBER OF BLOCKS
200 5116      IO2Y10: .WRITW  #AREA1,#7,IO2Y8,#256,,R1
201 5164 103405      BCS      IO2Y11      ; ERROR GO TO HALT
202 5166 005201      INC      R1          ; UPDATE BLOCK POINTER
203 5170 022701      CMP      #1023,,R1      ; ALL BLOCKS WRITTEN
204 5174 100350      BPL      IO2Y10      ; WRITE OUT THE NEXT BLOCK
205 5176 000407      BR       IO2Y3      ; FINISHED, GO CLOSE THE CHANNEL
206 5200      IO2Y11: .CLOSE  #7          ; CLOSE CHANNEL
207 5212      .SRESET ; RESET SYSTEM
208 5214 000706      BR       IO2Y5
209 5216      IO2Y3:  .CLOSE  #7          ; CLOSE CHANNEL
210 5230      .SRESET ; RESET SYSTEM
211 5232 016767      MOV      DATES1,IO2YA  ; STORE DATE IN BUFFER
212 5240 004567      JSR      R5,LOGGER    ; LOG DATA

```

```

213 5244 005664' .WORD IO2YA
214 5246 000001 .WORD 1
215 5250 012767 IO2NO: MOV #1,NOLOG ; SET NO LOGGER FLAG
216 ;
217 ; START SYSTEM CLOCK
218 ;
219 5256 004567 INIT2A: JSR R5,MOVPI ; OUTPUT START MESSAGE
220 5262 005706' .WORD STRUP,14..0
221 5270 012767 MOV #CTIME2,100 ; STORE INTERRUPT ADDRESS
222 5276 052767 BIS #340,102 ; SET PRIORITY
223 5304 052767 BIS #100,CLOCK ; ENABLE INTERRUPT
224 ;
225 ; CLEAR BUFFERS ... VEHQUE,VSTAT,SSPBUF, AND LOCBUF
226 ;
227 5312 012700 MOV #VEHQUE,R0 ; GET BUFFER ADDRESS
228 5316 005020 QUE1: CLR (R0)+ ; ZERO BUFFER WORD
229 5320 022700 CMP #SPDEND,R0 ; AT END?
230 5324 100374 BPL QUE1 ; NO, NEXT WORD
231 ;
232 ; ENABLE SYSTEM INTERRUPTS FOR VEHICLE DATA AND CLEAR FIRST INPUT
233 ;
234 5326 000406 BR QUE1A
235 5330 012767 MOV #154046,60
236 5336 012767 MOV #155302,64
237 5344 012701 QUE1A: MOV #500..R1
238 5350 052767 QUE2: BIS #40,DRCS ; ENABLE VEHICLE DATA INTERRUPT
239 5356 005301 DEC R1 ; DECREMENT COUNTER
240 5360 100373 BPL QUE2 ; LOOP RETURN IF NOT DONE
241 5362 000403 BR QUE4 ; FINI
242 5364 016702 QUE3: MOV DRINPB,R2
243 5370 000002 RTI
244 5372 012767 QUE4: MOV #VEHXPT,R1TRAP ; RESTORE PROPER INTERRUPT ADDRESS
245 5400 012767 MOV #VEHXPT,R2TRAP ; RESTORE OTHER INTERRUPT ADDRESS
246 5406 052767 BIS #100,RCSR1
247 5414 052767 BIS #100,XCSR1
248 5422 052767 BIS #100,RCSR2
249 5430 052767 BIS #100,XCSR2
250 5436 052767 QUE4A: BIS #100,RCSR3
251 5444 052767 BIS #100,XCSR3
252 ;
253 ; DISABLE MONITOR TRAPS 4 AND 10 AND SET UP OUTPUT VIA BASE STATION
254 ; TRAP RETURN IS TO THE INTERRUPTING ROUTINE
255 ;
256 ; .TRPSET #B1,#TRPLOC
257 ;
258 ; GO TO DISPATCHER
259 ;
260 5452 000167 JMP DSPCH1 ; GO OUT
261 ;
262 ;
263 ; INTERNAL SUBROUTINE FOR DATA XFR FROM BUFK2
264 ;
265 5456 116701 INPUT: MOVB BUFK2+2,R1 ; STORE INPUT BUFFER POINTER

```

```

266 5462 062701      ADD      #BUFK2+4,R1      ; ADD ON THE ADDRESS OF THE DATA
267 5466 012702      MOV      #DATABF,R2       ; GET OUTPUT BUFFER ADDRESS
268 5472 112122 A1:   MOVSB    (R1)+,(R2)+      ; TRANSFER CHARACTER
269 5474 105267 A2:   INCB     BUFK2+2         ; INCREMENT INPUT DATA POINTER
270 5500 126767      CMPB     BUFK2+2,BUFK2     ; TEST FOR END OF BUFFER
271 5506 100407      BMI      A3              ; NO, GO AROUND
272 5510 105067      CLRB     BUFK2+2         ; RESET POINTER
273 5514 166701      SUB      BUFK2,R1         ; RESET ADDRESS
274 5520 122711      CMPB     #15,(R1)         ; TEST FOR TERMINATION CHARACTER
275 5524 001406      BEQ      A4              ; TIME TO GET OUT
276 5526 020002 A3:   CMP      R0,R2          ; TEST FOR END OF MESSAGE
277 5530 100360      BPL      A1              ; NO, MOVE NEXT CHARACTER
278 5532 122721      CMPB     #15,(R1)+      ; TEST FOR TERMINATION CHAR.
279 5536 001401      BEQ      A4              ; YES, GET OUT
280 5540 000755      BR       A2              ; NO, TRY AGAIN
281 5542 116767 A4:   MOVSB    BUFK2+3,BUFK2+2 ; STORE CORRECT NO. OF CHAR.
282 5550 000205      RTS      R5              ; RETURN
283
284
285

```

; FORMATTED DATA

```

286 5552 012 DATRQST: .BYTE 12,40
287 5554 104 .ASCII /DATE/
288 5560 102 DATERR: .ASCII /BAD FMT /
289 5570 124 BUFERR: .ASCII /TOO MNY /
290 5600 124 TIMRQT: .ASCII /TIME/
291 5604 DATABF: .BLKW 6
292 5620 B1: .BLKW 10.
293 5644 114 LOGRQT: .ASCII /LOG?/
294 5650 116 LOGFNM: .ASCII /NAME/
295 5654 000003 LOGNAM: .WORD 3,ICNT,LOGASC,LOGFIL
296 5664 000000 I02YA: .WORD 0
297 5666 AREA1: .BLKW 5
298 5700 106 ENTERR: .ASCII /FIL?/
299 5704 000006 ICNT: .WORD 6
300 5706 123 STRTUP: .ASCII /SYSTEM STARTED/
301
302
303

```

; TRAP SUBROUTINE

```

304 5724 010546 TRPLOC: MOV      R5,-(SP)      ; SAVE R5
305 5726 112767      MOVSB    #1,TEMP+3
306 5734 103402      BCS      A              ; IF CARRY SET, TRAP 10
307 5736 105067      CLRB     TEMP+3          ; SET FOR TRAP 4
308 5742 016667 A:    MOV      4(SP),TEMP
309 5750 000000      HALT
310 5752 004567      JSR      R5,BASECI
311 5756 000000 TEMP: .WORD 0,0
312 5762 .TRPSET #B1,#TRPLOC
313 6006 012605      MOV      (SP)+,R5
314 6010 000002      RTI
315
316
317

```

; STORAGE ALLOCATION

```

318 6012 VEHICLE: .BLKW 32.

```

```

319 6112 006112*VEHEND: .=.
320 6112 SSPBUF: .BLKW 41.
321 6234 006234*SSPEND: .=.
322 6234 LOCBUF: .BLKW 41.
323 6356 006356*LOCEND: .=.
324 6356 MILBUF: .BLKW 41.
325 6500 006500*MILEND: .=.
326 6500 RBUF: .BLKW 41.
327 6622 POLBUF: .BLKW 41.
328 6744 SPVEHE: .BLKW 20.
329 7014 007014*SPEED: .=.
330 7014 VSTAT: .BLKW 840.
331 2234 012234*VSTEND: .=.
332 2234 SPVEHD: .BLKW 20.
333 2304 000000 SPDEND: .WORD 0
334 2306 071126 XYFILE: .WORD 71126.0.0.0
335 2316 RLOAD: .BLKW 16.
336 2356 000000 RLPTR1: .WORD 0
337 2360 000000 RLCTR: .WORD 0
338 2362 000000 RLCTR1: .WORD 0
339 2364 000000 RVREF: .WORD 0
340 2366 000000 RAMLOD: .WORD 0.0.0.0
341 2376 000000 INBUF: .WORD 0
342 2400 000000 NOLOG: .WORD 0
343 2402 000000 LOGBLK: .WORD 0
344 2404 000000 SYSTOP: .WORD 0
345 2406 000000 DSCOMP: .WORD 0
346 2410 062705 LOGGER: ADD #4.R5
347 2414 000205 RTS R5
348 2416 012416*LOGBUF: .=.
349 2416 052767 MTOUTP: BIS #3.SCHED
350 2424 000205 RTS R5
351 2426 062705 DTASTR: ADD #6.R5
352 2432 000205 RTS R5
353 2434 071126 LOGFIL: .RAD50 /RK0LOGGERDAT/
354 2444 122 LOGASC: .ASCII /RK0LOGGERDAT/
355 2460 071126 MTFIL: .RAD50 /RK0DTFILEDAT/
356 2470 071126 ROUTE: .RAD50 /RK0ROUTESSAV/
357 2500 071126 SPSTFL: .RAD50 /RK0SPSTFLSAV/
358 2510 071126 VSTABL: .RAD50 /RK0VDATEABSASV/
359 2520 045401 CTFIL: .RAD50 /L ANGELES/
360 2526 045450 .RAD50 /LA COUNTY/
361 2534 051604 .RAD50 /MNTBELLLO/
362 2542 047366 .RAD50 /LYNWOOD /
363 2550 062072 .RAD50 /PARAMOUNT/
364 2556 015557 .RAD50 /DOWNEY /
365 2564 051604 .RAD50 /MNTY PRK/
366 2572 071353 .RAD50 /ROSEMEAD /
367 2600 004050 .RAD50 /ALHAMBRA /
368 2606 012445 .RAD50 /COMPTON /
369 2614 073307 .RAD50 /S GATE /
370 2622 046467 .RAD50 /LNG BEACH/
371 2630 013014 .RAD50 /CUDAHY /

```

372	2636	006524	.RAD50	/BELL	/
373	2644	006207	.RAD50	/B GARDENS	/
374	2652	032104	.RAD50	/HNTG PARK	/
375	2660	105132	.RAD50	/VERNON	/
376	2666	012445	.RAD50	/COMMERCE	/
377	2674	006524	.RAD50	/BELLFLOWR	/
378	2702	011372	.RAD50	/CARSON	/
379	2710	073746	.RAD50	/SGNL HILL	/
380	2716	110464	.RAD50	/WILLOWBRK	/
381	2724	050601	.RAD50	/MAYWOOD	/
382	2732	062207	.RAD50	/PCO RVERA	/
383	2740	073305	.RAD50	/S EL MNTE	/
384	2746	020440	.RAD50	/EL MONTE	/
385	2754	025772	.RAD50	/GARDENA	/
386	2762	110411	.RAD50	/WHITTIER	/
387	2770	045463	.RAD50	/LAKEWOOD	/
388	2776	110464	.RAD50	/WILLOWPRK	/
389	3004	007715	.RAD50	/BUENA PRK	/
390	3012	011632	.RAD50	/CERRITOS	/
391	3020	020440	.RAD50	/EL SGUNDO	/
392	3026	031077	.RAD50	/HAWTHORNE	/
393	3034	032335	.RAD50	/HRMOSA BH	/
394	3042	035167	.RAD50	/INGLEWOOD	/
395	3050	045450	.RAD50	/LA MIRADA	/
396	3056	045477	.RAD50	/LAWDALE	/
397	3064	046545	.RAD50	/LOMITA	/
398	3072	051570	.RAD50	/MNHTAN BR	/
399	3100	054752	.RAD50	/NORWALK	/
400	3106	062064	.RAD50	/PALOS VDS	/
401	3114	070457	.RAD50	/RDONDO BH	/
402	3122	071154	.RAD50	/RLNG HLS	/
403	3130	074404	.RAD50	/SNTA F SP	/
404	3136	077552	.RAD50	/TORRANCE	/
405	3144	045401	.RAD50	/L ALMITOS	/
406	3152	073366	.RAD50	/SAN PEDRO	/
407	3160	032144	.RAD50	/HOLLYWOOD	/
408	3166	045403	.RAD50	/L COYOTES	/
409	3174	004444	.RAD50	/ARTESIA	/
410	3202	060221	.RAD50	/ORANGE CO	/
411	3210	146371	TELREF: .RAD50	/213 625 3311	/
412	3220	146371	.RAD50	/213 625 3311	/
413	3230	146371	.RAD50	/213 722 3600	/
414	3240	146371	.RAD50	/213 737 6111	/
415	3250	146371	.RAD50	/213 866 9061	/
416	3260	146371	.RAD50	/213 861 0771	/
417	3270	146371	.RAD50	/213 573 1311	/
418	3300	146371	.RAD50	/213 285 7171	/
419	3310	146371	.RAD50	/213 282 3141	/
420	3320	146371	.RAD50	/213 638 1131	/
421	3330	146371	.RAD50	/213 567 2222	/
422	3340	146371	.RAD50	/213 436 9811	/
423	3350	146371	.RAD50	/213 583 6241	/
424	3360	146371	.RAD50	/213 585 1245	/

: LOS ANGELES
: LOS ANGELES COUNTY
: MONTEBELLO
: LYNWOOD
: PARAMOUNT
: DOWNEY
: MONTEREY PARK
: ROSEMEAD
: ALHAMBRA
: COMPTON
: SOUTH GATE
: LONG BEACH
: CUDAHY
: BELL

425	3370	146371	.RAD50	/213	927	2681/
426	3400	146371	.RAD50	/213	587	5211/
427	3410	146371	.RAD50	/213	587	8135/
428	3420	146371	.RAD50	/213	264	4151/
429	3430	146371	.RAD50	/213	866	9061/
430	3440	146371	.RAD50	/213	830	1123/
431	3450	146371	.RAD50	/213	426	7311/
432	3460	146371	.RAD50	/213	625	3311/
433	3470	146371	.RAD50	/213	588	2151/
434	3500	146371	.RAD50	/213	949	2421/
435	3510	146371	.RAD50	/213	579	6540/
436	3520	146371	.RAD50	/213	575	2111/
437	3530	146371	.RAD50	/213	323	7911/
438	3540	146371	.RAD50	/213	625	3311/
439	3550	146371	.RAD50	/213	866	9061/
440	3560	166072	.RAD50	/714	521	1121/
441	3570	146371	.RAD50	/213	773	2822/
442	3600	146371	.RAD50	/213	322	2424/
443	3610	146371	.RAD50	/213	675	4446/
444	3620	146371	.RAD50	/213	376	7981/
445	3630	146371	.RAD50	/213	677	2121/
446	3640	146371	.RAD50	/213	863	8711/
447	3650	146371	.RAD50	/213	671	7531/
448	3660	146371	.RAD50	/213	539	1611/
449	3670	146371	.RAD50	/213	545	4566/
450	3700	146371	.RAD50	/213	773	2447/
451	3710	146371	.RAD50	/213	378	5211/
452	3720	146371	.RAD50	/213	379	5411/
453	3730	146371	.RAD50	/213	539	1661/
454	3740	146371	.RAD50	/213	773	2447/
455	3750	146371	.RAD50	/213	320	2611/
456	3760	146371	.RAD50	/213	431	1344/
457	3770	146371	.RAD50	/213	625	3311/
458	4000	146371	.RAD50	/213	625	3311/
459	4010	146371	.RAD50	/213	625	3311/
460	4020	146371	.RAD50	/213	866	9061/
461	4030	166072	.RAD50	/714	834	3000/
462						
463	004172		.END	INITP		

; BELL GARDENS
; HUNTINGTON PARK
; VERNON
; COMMERCE
; BELL FLOWER
; CARSON
; SIGNAL HILL
; WILLOWBROOK
; MAYWOOD
; PICO RIVERA
; SOUTH EL MONTE
; EL MONTE
; GARDENA
; WHITTIER
; LAKEWOOD
; BUENA PARK
; CERRITOS
; EL SEGUNDO
; HAWTHORNE
; HERMOSA BEACH
; INGLEWOOD
; LA MIRADA
; LAWDALE
; LOMITA
; MANHATTAN BEACH
; NORWALK
; PALOS VERDES ESTATES
; REDONDO BEACH
; ROLLING HILLS ESTATES
; SANTA FE SPRINGS
; TORRANCE

A 005742R
 A2 005474R
 BASECI= ***** G
 BUFF 004312R
 BUFP1 = ***** G
 CTFIL 012520RG
 DATERR 005560R
 DATRQS 005552R
 DRCS = 167770
 DSCOMP 012406RG
 DSPCH1= ***** G
 ERFLG 004336R
 ERFLG3 004360R
 ERFLG6 004476R
 ERFLG9 005050R
 FNDBUF= ***** G
 INITP 004172RG
 INIT2 004466R
 I02N0 005250R
 I02YA 005664R
 I02Y10 005116R
 I02Y3 005216R
 I02Y6 005044R
 I02Y9 005106R
 I1 004260R
 I2DE 004602R
 I4 004450R
 KDENT2= ***** G
 LOGASC 012444R
 LOGFIL 012434RG
 LOGNAM 005654R
 MILEND 006500RG
 MTOUTP 012416RG
 POLBUF 006622RG
 PS = 177776
 QUE2 005350R
 QUE4A 005436R
 RCSR1 = 175610
 RLCTR 012360RG
 RLPTR1 012356RG
 R0 =%000000
 R2 =%000002
 R4 =%000004
 SP =%000006
 SPSTFL 012500RG
 SSPBUF 006112RG
 SYSTOP 012404RG
 TIMROT 005600R
 TYENT = ***** G
 VEHQUE 006012RG
 VSTABL 012510RG
 XCSR1 = 175614
 XYFILE 012306RG

AREA1 005666R
 A3 005526R
 BSFLAG= ***** G
 BUFP1 004430R
 B1 005620R
 CTIME2= ***** G
 DATESI= ***** G
 DISPRC= ***** G
 DRINPB= 167774
 DSENT1= ***** G
 DTASTR 012426RG
 ERFLG1 004320R
 ERFLG4 004242R
 ERFLG7 004606R
 ERR1 004326R
 ICNT 005704R
 INIT0 004232R
 INIT2A 005256R
 I02DE1 004576R
 I02YES 004620R
 I02Y11 005200R
 I02Y4 005040R
 I02Y7 005064R
 IRAD50= ***** G
 I2 004332R
 I201 004514R
 KBDENT= ***** G
 LOCBUF 006234RG
 LOGBLK 012402RG
 LOGFNM 005650R
 LOGROT 005644R
 MOVPI = ***** G
 NOLOG 012400RG
 PPS = 177560
 QUE1 005316R
 QUE3 005364R
 RAMLOD 012366RG
 RCSR2 = 175620
 RLCTR1 012362RG
 ROUTE 012470RG
 R1 =%000001
 R2TRAP= 000404
 R5 =%000005
 SPDEND 012304RG
 SPVEHD 012234RG
 SSPEND 006234RG
 TELREF 013210RG
 TIMTST= ***** G
 TYPRC = ***** G
 VEHXPT= ***** G
 VSTAT 007014RG
 XCSR2 = 175624
 ...V2 = 000001

A1 005472R
 A4 005542R
 BUFERR 005570R
 BUFK2 = ***** G
 CLOCK = 177546
 DATABF 005604R
 DATEST= ***** G
 DLFLAG= ***** G
 DROUTB= 167772
 DSENT2= ***** G
 ENTERR 005700R
 ERFLG2 004436R
 ERFLG5 004454R
 ERFLG8 004640R
 ERR2 004444R
 INBUF 012376RG
 INIT1 004350R
 INPUT 005456R
 I020E2 004570R
 I02Y1 004650R
 I02Y2 004656R
 I02Y5 005032R
 I02Y8 005070R
 I0 004252R
 I20 004506R
 I3 004370R
 KDENT1= ***** G
 LOCEND 006356RG
 LOGBUF 012416RG
 LOGGER 012410RG
 MILBUF 006356RG
 MTFIL 012460RG
 PC =%000007
 PRS = 177564
 QUE1A 005344R
 QUE4 005372R
 RBUF 006500RG
 RCSR3 = 175670
 RLOAD 012316RG
 RVREF 012364RG
 R1TRAP= 000400
 R3 =%000003
 SCHED = ***** G
 SPEEND 007014RG
 SPVEHE 006744RG
 STRTUP 005706R
 TEMP 005756R
 TRPLOC 005724R
 VEHEHD 006112RG
 VOLATL 000000RG
 VSTEND 012234RG
 XCSR3 = 175674

INITT RT-11 CRO VM02-10
SYMBOL TABLE

00:02:56 PAGE 1+

. ABS. 000410 000
014040 001

ERRORS DETECTED: 0

FREE CORE: 16755. WORDS

.LP:/C:=INITT.MAC

	1-52#	1-54#	1-56#	1-58#	1-319	1-319#	1-321
	1-321#	1-323	1-323#	1-325	1-325#	1-329	1-329#
	1-331	1-331#	1-348	1-348#			
...V1	1-177	1-179	1-181	1-200	1-206	1-209	
...V2	1-15#						
A	1-306	1-308#					
A1	1-176	1-268#	1-277				
A2	1-269#	1-280					
A3	1-271	1-276#					
A4	1-275	1-279	1-281#				
AREA1	1-177	1-181	1-200	1-297#			
B1	1-292#	1-312					
BASECI	1-20#	1-310					
BSFLAG	1-20#	1-87	1-89*	1-114	1-116*	1-141	1-143*
	1-169	1-171*					
BUFERR	1-96	1-123	1-152	1-183	1-289#		
BUFF	1-93#						
BUFF1	1-120#						
BUFK2	1-20#	1-173	1-174	1-265	1-266	1-269*	1-270
	1-270	1-272*	1-273	1-281	1-281*		
BUFP1	1-20#						
CLOCK	1-33#	1-223*					
CTFILE	1-24#	1-359#					
CTIME2	1-19#	1-221					
DATABF	1-90	1-93	1-117	1-120	1-144	1-146	1-148
	1-267	1-291#					
DATERR	1-86	1-98	1-113	1-125	1-140	1-154	1-168
	1-288#						
DATESI	1-26#	1-211					
DATEST	1-19#	1-92					
DATRQS	1-81	1-286#					
DISPRC	1-23#						
DLFLAG	1-23#						
DRCS	1-38#	1-238*					
DRINPB	1-40#	1-242					
DROUTB	1-39#						
DSCOMP	1-27#	1-345#					
DSSENT1	1-25#	1-59					
DSSENT2	1-25#	1-55					
DSPCH1	1-19#	1-260					
DTASTR	1-23#	1-351#					
ENTERR	1-185	1-298#					
ERFLG	1-100#	1-101					
ERFLG1	1-85	1-96#					
ERFLG2	1-112	1-123#					
ERFLG3	1-110#	1-111					
ERFLG4	1-83#	1-84					
ERFLG5	1-127#	1-128					
ERFLG6	1-137#	1-138					
ERFLG7	1-156#	1-157					
ERFLG8	1-165#	1-166					
ERFLG9	1-187#	1-188					
ERR1	1-94	1-97#	1-102				
ERR2	1-121	1-124#	1-129				
FNDDBUF	1-20#	1-191					
I0	1-86#						

I1	1-87#	1-88						
I2	1-86*	1-96*	1-98#	1-123*				
I20	1-140#							
I201	1-141#	1-142						
I20E	1-140*	1-152*	1-154#					
I3	1-113#	1-115						
I4	1-113*	1-125#						
ICNT	1-295	1-299#						
INBUF	1-28#	1-341#						
INIT0	1-80#	1-103	1-190					
INIT1	1-95	1-107#	1-130					
INIT2	1-122	1-134#	1-159					
INIT2A	1-219#							
INITP	1-19#	1-68#	1-463					
INPUT	1-91	1-118	1-145	1-265#				
IO2N0	1-150	1-215#						
IO20E1	1-149	1-151	1-153#	1-158				
IO20E2	1-139	1-152#	1-167					
IO2Y1	1-168#							
IO2Y10	1-200#	1-204						
IO2Y11	1-201	1-206#						
IO2Y2	1-169#	1-170						
IO2Y3	1-178	1-205	1-209#					
IO2Y4	1-184#							
IO2Y5	1-183#	1-189	1-208					
IO2Y6	1-168*	1-183*	1-185#					
IO2Y7	1-182	1-191#						
IO2Y8	1-192#	1-193	1-195	1-200				
IO2Y9	1-196#	1-198						
IO2YA	1-211*	1-213	1-296#					
IO2YES	1-147	1-160#						
IRAD50	1-26#							
KBDENT	1-23#							
KDENT1	1-25#	1-59						
KDENT2	1-25#	1-55						
LOCBUF	1-21#	1-322#						
LOCEND	1-22#	1-323#						
LOGASC	1-172	1-175	1-295	1-354#				
LOGBLK	1-27#	1-161*	1-343#					
LOGBUF	1-23#	1-348#						
LOGFIL	1-27#	1-177	1-181	1-295	1-353#			
LOGFNM	1-163	1-294#						
LOGGER	1-26#	1-212	1-346#					
LOGNAM	1-295#							
LOGRQT	1-135	1-293#						
MILBUF	1-21#	1-324#						
MILEND	1-22#	1-325#						
MOVPI	1-19#	1-80	1-97	1-107	1-124	1-134	1-153	
	1-162	1-184	1-219					
MTFILE	1-27#	1-355#						
MTOUTP	1-23#	1-349#						
NOLG	1-27#	1-160*	1-215*	1-342#				
POLBUF	1-24#	1-327#						
PPS	1-36#	1-70*						
PRS	1-37#	1-71*						
PS	1-32#	1-76*						
QUE1	1-228#	1-230						

QUE1A	1-234	1-237#		
QUE2	1-238#	1-240		
QUE3	1-57	1-57	1-242#	
QUE4	1-241	1-244#		
QUE4A	1-250#			
RITRAP	1-45#	1-244*		
R2TRAP	1-46#	1-245*		
RAMLOD	1-28#	1-340#		
RBUFF	1-24#	1-326#		
RCSR1	1-43#	1-246*		
RCSR2	1-34#	1-248*		
RCSR3	1-41#	1-250*		
RLCTR	1-28#	1-337#		
RLCTR1	1-28#	1-338#		
RLOAD	1-28#	1-335#		
RLPTR1	1-28#	1-336#		
ROUTE	1-24#	1-356#		
RVREF	1-28#	1-339#		
SCHED	1-23#	1-349*		
SPDEND	1-22#	1-229	1-333#	
SPEED	1-22#	1-329#		
SPSTFL	1-26#	1-357#		
SPVEHD	1-22#	1-332#		
SPVEHE	1-22#	1-328#		
SSPBUF	1-21#	1-320#		
SSPEND	1-22#	1-321#		
STRUP	1-220	1-300#		
SYSTOP	1-27#	1-344#		
TELREF	1-24#	1-411#		
TEMP	1-305*	1-307*	1-308*	1-311#
TIMRQT	1-108	1-290#		
TIMTST	1-19#	1-119		
TRPLOC	1-304#	1-312		
TYENT	1-19#	1-68		
TYPRC	1-19#	1-69		
VEHEND	1-21#	1-319#		
VEHQUE	1-21#	1-227	1-318#	
VEHXPT	1-23#	1-53	1-53	1-244 1-245
VOLATL	1-26#	1-65#		
VSTABL	1-24#	1-358#		
VSTAT	1-21#	1-330#		
VSTEND	1-21#	1-331#		
XCSR1	1-44#	1-247*		
XCSR2	1-35#	1-249*		
XCSR3	1-42#	1-251*		
XYFILE	1-26#	1-334#		

...CM1	1-15#	1-177	1-181	1-200	1-312		
...CM2	1-15#	1-177	1-181	1-200	1-200	1-200	1-200
	1-312						
...CM3	1-15#	1-179	1-206	1-209			
...CM4	1-15#	1-200					
...V2..	1-14#	1-15					
.CLOSE	1-14#	1-179	1-206	1-209			
.ENTER	1-14#	1-181					
.LOOKU	1-14#	1-177					
.REGDE	1-14#	1-16					
.GRESE	1-14#	1-180	1-207	1-210			
.TRPSE	1-14#	1-312					
.WRITW	1-14#	1-200					

```

1      .TITLE  INITP
2      ;
3      ;      INITP = INITIALIZATION PROCESSOR -- CARGO SECURITY
4      ;
5      ;      OBJECT: TO INITIALIZE THE PROCESSING PARAMETERS, DYNAMIC BUFFERS
6      ;                  AND BEGIN NORMAL MODE OF OPERATION.
7      ;
8      ;      THIS ROUTINE INITIALIZES ALL CRITICAL SYSTEM RELATED VARIABLES
9      ;      BY EITHER REQUESTING INPUT FROM THE BASE STATION KEYBOARD AND
10     ;      PROCESSING THE RECEIVED DATA OR BY EQUATES.  THE ROUTINE ALSO
11     ;      ZEROES ALL POLLING BUFFERS AND OTHER SYSTEM BUFFERS.
12     ;
13     ;      .MCALL  ..V2...REGDEF..TRPSET..WRITE..LOOKUP..ENTER..CLOSE..SRESET
14     00000  ..V2...
15     00000  .REGDEF
16     ;      .NLIST  BEX
17     ;
18     ;      .GLOBL  INITP,MOVPI,DATEST,IMTST,CTIME2,DSPCHI,TYENT,TYPRC
19     ;      .GLOBL  BASECI,BUFK2,BUFP1,BSFLAG,FNDBUF
20     ;      .GLOBL  VEHQUE,SSPBUF,LOCBUF,MILBUF,VSTAT,VSTEND,VEHEND
21     ;      .GLOBL  SSPEND,LOCEND,MILEND,SPVEHE,SPEED,SPVEHD,SPDEND
22     ;      .GLOBL  KBDENT,DISPRC,VEHXP
23     ;      .GLOBL  VSTABL,ROUTE,RBUFF,CTFILE,TELREF,POLBUF
24     ;      .GLOBL  KDENT1,DSENT1,KDENT2,DSENT2
25     ;      .GLOBL  SPSTFL,XYFILE,VOLATL,IRAD50,LOGGER,DATESI
26     ;      .GLOBL  LOGFIL,NOLOG,LOGBLK,MTFILE,SYSTOP,DSCOMP
27     ;      .GLOBL  RLCTR,RLCTR1,RLPTR1,RVREF,RLoad,INBUF,RAMLOD
28     ;
29     ;      INTERFACING PERIPHERAL BUFFER ASSIGNMENTS
30     ;
31     177776 PS      =      177776      ; PROCESSOR STACK WORD
32     177546 CLOCK   =      177546      ; CLOCK STATUS BUFFER
33     175630 RCSR4    =      175630      ; RECEIVER STATUS BUFFER - BASE CRT
34     175634 XCSR4    =      175634      ; XMTR STATUS BUFFER - BASE CRT
35     175620 RCSR2    =      175620      ; RECEIVER STATUS BUFFER - BASE
36     175624 XCSR2    =      175624      ; XMTR STATUS BUFFER - BASE
37     177560 PPS      =      177560      ; PRINTER RECEIVER STATUS - OPCOM
38     177564 PRS      =      177564      ; PRINTER XMTR STATUS - OPCOM
39     167770 DRCS     =      167770      ; VEHICLE INTERRUPT STATUS REGISTER
40     167772 DROUTB   =      167772      ; RADIO INTERFACE OUTPUT BUFFER
41     167774 DRINPB   =      167774      ; RADIO INTERFACE INPUT BUFFER ADDRESS
42     175670 RCSR3    =      175670      ; RECEIVER STATUS BUFFER - DISPATCH #1
43     175674 XCSR3    =      175674      ; XMTR STATUS BUFFER - DISPATCH #1
44     175610 RCSR1    =      175610      ; RECEIVER STATUS BUFFER - DISPATCH #2
45     175614 XCSR1    =      175614      ; XMTR STATUS BUFFER - DISPATCH #2
46     000400 R1TRAP   =      400        ; RADIO INTERFACE INPUT TRAP
47     000404 R2TRAP   =      404        ; RADIO INTERFACE INPUT TRAP
48     ;
49     000000  .ASECT
50     ;
51     ;      SET SUPPORT DEVICE INTERRUPT VECTORS
52     ;
53     000300  .-300

```

```

54 00300 000000G .WORD KDENT2,240,DSENT2,240
55          000310 .=310
56 00310 000000 .WORD 0,340,0,340
57          000320 .=320
58 00320 000000G .WORD KBDENT,240,DISPRC,240
59          000340 .=340
60 00340 000000G .WORD KDENT1,240,DSENT1,240
61          000400 .=400
62 00400 005376* .WORD QUE3,300,QUE3,300
63          ;
64          000000* .CSECT
65          ;
66          ;
67          ;
68 00000 001750 VOLATL: .WORD 1000.
69 00002 000006 .WORD 6,0,0,0
70          .BLKW 1080.
71 04172 012767 INITP: MOV #TYENT,310
72 04200 012767 MOV #TYPRC,314
73 04206 052767 BIS #100,RCR2 ; ENABLE PRINTER INTERRUPT
74 04214 052767 BIS #100,XCSR2 ; ENABLE PRINTER KEYBOARD INTERRUPT
75          ;
76          ;
77          ;
78 04222 012706 MOV #776,SP ; INITIALIZE STACK POINTER
79 04226 005067 CLR PS ; SET PROCESSOR PRIORITY
80          ;
81          ;
82          ;
83 04232 004567 INIT0: JSR R5,MOVPI ; OUTPUT DATA TO CHARACTER PRNTR
84 04236 005600* .WORD DATRQST ; ASCII BUFFER
85 04240 000006 .WORD 6 ; NO. OF CHAR.
86 04242 000000 ERFLG4: .WORD 0 ; ERROR RETURN ADDRESS
87 04244 005767 TST ERFLG4 ; TEST FOR ERROR ON INPUT
88 04250 001023 BNE ERFLG1 ; YES, OUTPUT ERROR MESSAGE
89 04252 012767 I0: MOV #DATERR,I2 ; RESTORE TEST ERROR BUFFER ADDR
90 04260 032767 I1: BIT #1000,BSFLAG ; LOOP
91 04266 001774 BEQ I1 ; RETN
92 04270 042767 BIC #1000,BSFLAG ; RESET FLAG DATA
93 04276 012700 MOV #DATABF+11.,R0 ; STORE DATA XFR LIMT
94 04302 004567 JSR R5,INPUT ; TRANSFER DATA
95 04306 004567 JSR R5,DATEST ; TEST INPUT DATA FORMAT
96 04312 005632* BUFF: .WORD DATABF ; ADDRESS OF DATA
97 04314 000404 BR ERR1 ; ERROR TRAP
98 04316 000414 BR INIT1 ; GOOD DATA INFO GO TO TIME
99 04320 012767 ERFLG1: MOV #BUFERR,I2 ; ERROR PRINTOUT
100 04326 004567 ERR1: JSR R5,MOVPI ; OUTPUT ERROR DATA
101 04332 005606* I2: .WORD DATERR ; ERROR BUFFER
102 04334 000010 .WORD 10 ; NO. OF CHAR
103 04336 000000 ERFLG: .WORD 0 ; ERROR RETURN ADDRESS
104 04340 005767 TST ERFLG ; IS ERROR FLAG SET?
105 04344 001370 BNE ERR1 ; YES, OUTPUT ERROR MESSAGE
106 04346 000731 BR INIT0 ; START AGAIN

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107      ;
108      ;      REQUEST TIME INPUT, TEST VALIDITY AND INITIALIZE CLOCK
109      ;
110 4350 004567 INIT1: JSR      R5,MOV P1      ; OUTPUT DATA TO PRNTR
111 4354 005626      .WORD    TIMRQT         ; ADDRESS OF DATA
112 4356 000004      .WORD    4              ; NO. OF CHAR.
113 4360 000000 ERFLG3: .WORD    0           ; ERROR FLAG
114 4362 005767      TST      ERFLG3        ; FLAG SET?
115 4366 001023      BNE      ERFLG2        ; YES, START AGAIN
116 4370 012767 I3:   MOV      #DATERR,I4    ; RESTORE BUFFER
117 4376 032767      BIT      #1000,BSFLAG  ; TEST PASSED DATA FINI FLAG
118 4404 001771      BEQ      I3            ; RETN
119 4406 042767      BIC      #1000,BSFLAG  ; CLEAR CALLING FLAG
120 4414 012700      MOV      #DATABF+9.,R0  ; STORE DATA XFR LIMIT
121 4420 004567      JSR      R5,INPUT      ; TRANSFER DATA
122 4424 004567      JSR      R5,TIMTST     ; GO TEST INPUT
123 4430 005632 BUFF1: .WORD    DATABF     ; ADDRESS OF DATA
124 4432 000404      BR       ERR2         ; ERROR RETURN
125 4434 000414      BR       INIT2        ; GOOD DATA! START CLOCK
126 4436 012767 ERFLG2: MOV      #BUFERR,I2  ; STORE ERROR MESSAGE FOR CHAR.
127 4444 004567 ERR2: JSR      R5,MOV P1    ; OUTPUT ERROR
128 4450 005606 I4:   .WORD    DATERR       ; DATA ADDRESS
129 4452 000010      .WORD    10          ; NO. OF CHARACTERS
130 4454 000000 ERFLG5: .WORD    0
131 4456 005767      TST      ERFLG5        ; RETURN ERROR FLAG
132 4462 001370      BNE      ERR2         ; GO TO ERROR PROCESSOR
133 4464 000731      BR       INIT1        ; REQUEST DATA AGAIN
134      ;
135      ;      TEST FOR DATA LOGGING FUNCTION
136      ;
137 4466 004567 INIT2: JSR      R5,MOV P1    ; OUTPUT DATA TO CHARACTER PRNTR
138 4472 005672      .WORD    LOGRQT        ; ASCII BUFFER
139 4474 000004      .WORD    4            ; NO. OF CHAR.
140 4476 000000 ERFLG6: .WORD    0         ; ERROR RETURN ADDRESS
141 4500 005767      TST      ERFLG6        ; TEST FOR ERROR ON INPUT
142 4504 001031      BNE      I020E2       ; YES, OUTPUT ERROR MESSAGE
143 4506 012767 I20:  MOV      #DATERR,I20E  ; RESTORE TEST ERROR BUFFER ADDR
144 4514 032767 I201: BIT      #1000,BSFLAG  ; LOOP
145 4522 001774      BEQ      I201         ; RETN
146 4524 042767      BIC      #1000,BSFLAG  ; RESET FLAG DATA
147 4532 012700      MOV      #DATABF+3.,R0 ; STORE DATA XFR LIMIT
148 4536 004567      JSR      R5,INPUT      ; TRANSFER DATA
149 4542 122767      CMPB     #131,DATABF    ; IS FIRST CHARACTER A Y?
150 4550 001423      BEQ      I02YES       ; GO TO YES PROCESSING
151 4552 122767      CMPB     #116,DATABF    ; IS INPUT CHARACTER AN N?
152 4560 001006      BNE      I020E1       ; NEITHER, AN ERROR!!!!
153 4562 000167      JMP      I02NO        ; YES, GO TO NO PROCESSING
154 4566 000403      BR       I020E1       ; NEITHER, AN ERROR!!!!
155 4570 012767 I020E2: MOV      #BUFERR,I20E ; ERROR PRINTOUT
156 4576 004567 I020E1: JSR      R5,MOV P1   ; OUTPUT ERROR DATA
157 4602 005606 I20E:  .WORD    DATERR      ; ERROR BUFFER
158 4604 000010      .WORD    10          ; NO. OF CHAR
159 4606 000000 ERFLG7: .WORD    0         ; ERROR RETURN ADDRESS

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160 4610 005767      TST      ERFLG7      ; IS ERROR FLAG SET?
161 4614 001370      BNE      I02DE1      ; YES, OUTPUT ERROR MESSAGE
162 4616 000723      BR       INIT2
163 4620 005067      I02YES: CLR      NOLOG      ; CLEAR NO LOGGER FLAG
164 4624 005067      CLR      LOGBLK      ; SET BLOCK NO FOR DATA RECORD
165 4630 004567      JSR      R5,MOVPI      ; OUTPUT DATA TO CHARACTER PRNTR
166 4634 005676      .WORD    LOGFNM      ; ASCII BUFFER
167 4636 000004      .WORD    4          ; NO. OF CHAR.
168 4640 000000      ERFLG8: .WORD    0      ; ERROR RETURN ADDRESS
169 4642 005767      TST      ERFLG8      ; TEST FOR ERROR ON INPUT
170 4646 001350      BNE      I02DE2      ; YES, OUTPUT ERROR MESSAGE
171 4650 012767      I02Y1: MOV      #DATERR,I02Y6 ; RESTORE TEST ERROR BUFFER ADDR
172 4656 032767      I02Y2: BIT      #I000,BSFLAG ; LOOP
173 4664 001774      BEQ      I02Y2      ; RETN
174 4666 042767      BIC      #I000,BSFLAG ; RESET FLAG DATA
175 4674 012700      MOV      #LOGASC+8,,R0 ; STORE DATA XFR LIMT
176 4700 116701      MOV      BUFK2+2,R1
177 4704 062701      ADD      #BUFK2+4,R1
178 4710 012702      MOV      #LOGASC+3,R2
179 4714 004567      JSR      R5,A1
180 4720      .LOOKUP  #AREA1,#7,#LOGFIL ; TRANSFER DATA
181 4752 103121      BCC      I02Y3      ; FILE ALREADY THERE, GO AROUND
182 4754      .CLOSE  #7
183 4766      .SRESET
184 4770      .ENTER  #AREA1,#7,#LOGFIL,#1024,
185 5030 103015      BCC      I02Y7      ; FILE ENTERED, GO CLOSE CHANNEL
186 5032 012767      I02Y5: MOV      #BUFERR,I02Y6 ; ERROR PRINTOUT
187 5040 004567      I02Y4: JSR      R5,MOVPI      ; OUTPUT ERROR DATA
188 5044 005726      I02Y6: .WORD    ENTERR      ; ERROR BUFFER
189 5046 000010      .WORD    10          ; NO. OF CHAR
190 5050 000000      ERFLG9: .WORD    0      ; ERROR RETURN ADDRESS
191 5052 005767      TST      ERFLG9      ; IS ERROR FLAG SET?
192 5056 001365      BNE      I02Y5      ; YES, OUTPUT ERROR MESSAGE
193 5060 000167      JMP      INIT0      ; GO BACK TO THE START
194 5064 004567      I02Y7: JSR      R5,FNDRAUF ; FIND AVAILABLE BUFFER
195 5070 000000      I02Y8: .WORD    0      ; BUFFER ADDRESS
196 5072 016701      MOV      I02Y8,R1      ; GET ADDRESS OF BUFFER
197 5076 062701      ADD      #512,,R1      ; ADD OFFSET TO END
198 5102 016700      MOV      I02Y8,R0      ; GET ADDRESS AGAIN
199 5106 005020      I02Y9: CLR      (R0)+    ; CLEAR BUFFER
200 5110 020100      CMP      R1,R0      ; AT END OF BUFFER?
201 5112 100375      BPL      I02Y9      ; NO, GO TO THE NEXT WORD
202 5114 005001      CLR      R1          ; INITIALIZE NUMBER OF BLOCKS
203 5116      I02Y10: .WRITW  #AREA1,#7,I02Y8,#256,,R1
204 5164 103405      BCS      I02Y11      ; ERROR GO TO HALT
205 5166 005201      INC      R1          ; UPDATE BLOCK POINTER
206 5170 022701      CMP      #I023,,R1      ; ALL BLOCKS WRITTEN
207 5174 100350      BPL      I02Y10      ; WRITE OUT THE NEXT BLOCK
208 5176 000407      BR       I02Y3      ; FINISHED, GO CLOSE THE CHANNEL
209 5200      I02Y11: .CLOSE  #7          ; CLOSE CHANNEL
210 5212      .SRESET ; RESET SYSTEM
211 5214 000706      BR       I02Y5
212 5216      I02Y3:  .CLOSE  #7          ; CLOSE CHANNEL

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213 5230      .SRESET      ; RESET SYSTEM
214 5232 016767  MOV      DATES1,I02YA  ; STORE DATE IN BUFFER
215 5240 004567  JSR      R5,LOGGER     ; LOG DATA
216 5244 005712* .WORD     I02YA
217 5246 000001  .WORD     1
218 5250 012705  MOV      #LOGNAM,R5
219 5254 004767  JSR      PC,IRAD50
220 5260 000403  BR       INIT2A
221 5262 012767 I02NO: MOV      #1,NOLOG  ; SET NO LOGGER FLAG
222          ;
223          ; START SYSTEM CLOCK
224          ;
225 5270 004567 INIT2A: JSR      R5,MOVP1  ; OUTPUT START MESSAGE
226 5274 005734* .WORD     STRTUP,14,,0
227 5302 012767  MOV      #CTIME2,100    ; STORE INTERRUPT ADDRESS
228 5310 052767  BIS      #340,102       ; SET PRIORITY
229 5316 052767  BIS      #100,CLOCK     ; ENABLE INTERRUPT
230          ;
231          ; CLEAR BUFFERS ... VEHQUE,VSTAT,SSPBUF, AND LOCBUF
232          ;
233 5324 012700  MOV      #VEHQUE,R0      ; GET BUFFER ADDRESS
234 5330 005020 QUE1: CLR      (R0)+      ; ZERO BUFFER WORD
235 5332 022700  CMP      #SPDEND,R0     ; AT END?
236 5336 100374  BPL      QUE1          ; NO, NEXT WORD
237          ;
238          ; ENABLE SYSTEM INTERRUPTS FOR VEHICLE DATA AND CLEAR FIRST INPUT
239          ;
240 5340 000406  BR       QUE1A
241 5342 012767  MOV      #154046,60
242 5350 012767  MOV      #155302,64
243 5356 012701 QUE1A: MOV      #500,,R1
244 5362 052767 QUE2:  BIS      #40,DRCS  ; ENABLE VEHICLE DATA INTERRUPT
245 5370 005301  DEC      R1            ; DECREMENT COUNTER
246 5372 100373  BPL      QUE2          ; LOOP RETURN IF NOT DONE
247 5374 000403  BR       QUE4          ; FINI
248 5376 016702 QUE3: MOV      DRINPB,R2
249 5402 000002  RTI
250 5404 012767 QUE4: MOV      #VEHXPT,R1TRAP ; RESTORE PROPER INTERRUPT ADDRESS
251 5412 012767  MOV      #VEHXPT,R2TRAP  ; RESTORE OTHER INTERRUPT ADDRESS
252 5420 052767  BIS      #100,RCSR1
253 5426 052767  BIS      #100,XCSR1
254 5434 052767  BIS      #100,RCSR2
255 5442 052767  BIS      #100,XCSR2
256 5450 052767 QUE4A: BIS      #100,RCSR3
257 5456 052767  BIS      #100,XCSR3
258 5464 052767  BIS      #100,RCSR4
259 5472 052767  BIS      #100,XCSR4
260          ;
261          ; DISABLE MONITOR TRAPS 4 AND 10 AND SET UP OUTPUT VIA BASE STATION
262          ; TRAP RETURN IS TO THE INTERRUPTING ROUTINE
263          ;
264          ; .TRPSET #B1,#TRPLOC
265          ;

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266      ;      GO TO DISPATCHER
267      ;
268 5500 000167      JMP      DSPCH1      ; GO OUT
269      ;
270      ;
271      ;      INTERNAL SUBROUTINE FOR DATA XFR FROM BUFK2
272      ;
273 5504 116701 INPUT: MOVB      BUFK2+2,R1      ; STORE INPUT BUFFER POINTER
274 5510 062701      ADD      #BUFK2+4,R1      ; ADD ON THE ADDRESS OF THE DATA
275 5514 012702      MOV      #DATABF,R2      ; GET OUTPUT BUFFER ADDRESS
276 5520 112122 A1:  MOVB      (R1)+,(R2)+      ; TRANSFER CHARACTER
277 5522 105267 A2:  INCB      BUFK2+2      ; INCREMENT INPUT DATA POINTER
278 5526 126767      CMPB      BUFK2+2,BUFK2      ; TEST FOR END OF BUFFER
279 5534 100407      BMI      A3      ; NO, GO AROUND
280 5536 105067      CLRB      BUFK2+2      ; RESET POINTER
281 5542 166701      SUB      BUFK2,R1      ; RESET ADDRESS
282 5546 122711      CMPB      #15,(R1)      ; TEST FOR TERMINATION CHARACTER
283 5552 001406      BEQ      A4      ; TIME TO GET OUT
284 5554 020002 A3:  CMP      R0,R2      ; TEST FOR END OF MESSAGE
285 5556 100360      BPL      A1      ; NO, MOVE NEXT CHARACTER
286 5560 122721      CMPB      #15,(R1)+      ; TEST FOR TERMINATION CHAR.
287 5564 001401      BEQ      A4      ; YES, GET OUT
288 5566 000755      BR       A2      ; NO, TRY AGAIN
289 5570 116767 A4:  MOVB      BUFK2+3,BUFK2+2      ; STORE CORRECT NO. OF CHAR.
290 5576 000205      RTS       R5      ; RETURN
291      ;
292      ;      FORMATTED DATA
293      ;
294 5600      012 DATRQST: .BYTE      12,40
295 5602      104      .ASCII      /DATE/
296 5606      102 DATERR: .ASCII      /BAD FMT /
297 5616      124 BUFERR: .ASCII      /TOO MNY /
298 5626      124 TIMRQT: .ASCII      /TIME/
299 5632      DATABF: .BLKW      6
300 5646      B1:      .BLKW      10.
301 5672      114 LOGRQT: .ASCII      /LOG?/
302 5676      116 LOGFNM: .ASCII      /NAME/
303 5702 000003 LOGNAM: .WORD      3,ICNT,LOGASC+3,MTF:LE+2
304 5712 000000 IO2YA: .WORD      0
305 5714      AREA1: .BLKW      5
306 5726      106 ENTERR: .ASCII      /FIL?/
307 5732 000006 ICNT: .WORD      6
308 5734      123 STRTUP: .ASCII      /SYSTEM STARTED/
309      ;
310      ;      TRAP SUBROUTINE
311      ;
312 5752 010546 TRPLOC: MOV      R5,-(SP)      ; SAVE R5
313 5754 112767      MOVB      #1,TEMP+3
314 5762 103402      BCS      A      ; IF CARRY SET, TRAP 10
315 5764 105067      CLRB      TEMP+3      ; SET FOR TRAP 4
316 5770 016667 A:      MOV      4(SP),TEMP
317 5776 000000      HALT
318 6000 004567      JSR      R5,BASECI

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319 6004 000000 TEMP: .WORD 0.0
320 6010 .TRPSET #B1, #TRPLOC
321 6034 012605 MOV (SP)+, R5
322 6036 000002 RTI
323 ;
324 ; STORAGE ALLOCATION
325 ;
326 6040 VEHQUE: .BLKW 32.
327 6140 006140* VEHEHD: .=.
328 6140 SSPBUF: .BLKW 41.
329 6262 006262* SSPEND: .=.
330 6262 LOCBUF: .BLKW 41.
331 6404 006404* LOCEND: .=.
332 6404 MILBUF: .BLKW 41.
333 6526 006526* MILEND: .=.
334 6526 RBUF: .BLKW 41.
335 6650 POLBUF: .BLKW 41.
336 6772 SPVEHE: .BLKW 20.
337 7042 007042* SPEEND: .=.
338 7042 VSTAT: .BLKW 840.
339 2262 012262* VSTEND: .=.
340 2262 SPVEHD: .BLKW 20.
341 2332 000000 SPDEND: .WORD 0
342 2334 07.126 XYFILE: .WORD 71126.0.0.0
343 2344 RLOAD: .BLKW 16.
344 2404 000000 RLPTR1: .WORD 0
345 2406 000000 RLCTR: .WORD 0
346 2410 000000 RLCTR1: .WORD 0
347 2412 000000 RVREF: .WORD 0
348 2414 000000 RAMLOD: .WORD 0.0.0.0
349 2424 000000 INBUF: .WORD 0
350 2426 000000 NOLOG: .WORD 0
351 2430 000000 LOGBLK: .WORD 0
352 2432 000000 SYSTOP: .WORD 0
353 2434 000000 DSCOMP: .WORD 0
354 2436 07.126 LOGFIL: .RAD50 /RK0LOGGERDAT/
355 2446 122 LOGASC: .ASCII /RK0LOGGERDAT/
356 2462 052176 MTFIL: .RAD50 /MT0DTFILEDAT/
357 2472 07.126 ROUTE: .RAD50 /RK0ROUTESSAV/
358 2502 07.126 SPSTFL: .RAD50 /RK0SPSTFLSAV/
359 2512 07.126 VSTABL: .RAD50 /RK0VDATABSAV/
360 2522 045401 CTFIL: .RAD50 /L ANGELES/
361 2530 045450 .RAD50 /LA COUNTY/
362 2536 05.604 .RAD50 /MNTABELLO/
363 2544 047366 .RAD50 /LYNWOOD /
364 2552 062072 .RAD50 /PARAMOUNT/
365 2560 015557 .RAD50 /DOWNEY /
366 2566 05.604 .RAD50 /MNTY PRK/
367 2574 07.353 .RAD50 /ROSEMEAD /
368 2602 004050 .RAD50 /ALHAMBRA /
369 2610 012445 .RAD50 /COMPTON /
370 2616 073307 .RAD50 /S GATE /
371 2624 046467 .RAD50 /LNG BEACH/

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372 2632 013014	.RAD50 /CUDAHY /	
373 2640 006524	.RAD50 /BELL /	
374 2646 006207	.RAD50 /B GARDENS/	
375 2654 032104	.RAD50 /HNTG PARK/	
376 2662 105132	.RAD50 /VERNON /	
377 2670 012445	.RAD50 /COMMERCE /	
378 2676 006524	.RAD50 /BELLFLOWR/	
379 2704 011372	.RAD50 /CARSON /	
380 2712 073746	.RAD50 /SGNL HILL/	
381 2720 110464	.RAD50 /WILLOWBRK/	
382 2726 050601	.RAD50 /MAYWOOD /	
383 2734 062207	.RAD50 /PCO RVERA/	
384 2742 073305	.RAD50 /S EL MNTE/	
385 2750 020440	.RAD50 /EL MONTE /	
386 2756 025772	.RAD50 /GARDENA /	
387 2764 110411	.RAD50 /WHITTIER /	
388 2772 045463	.RAD50 /LAKEWOOD /	
389 3000 110464	.RAD50 /WILLOWPRK/	
390 3006 007715	.RAD50 /BUENA PRK/	
391 3014 011632	.RAD50 /CERRITOS /	
392 3022 020440	.RAD50 /EL SGUNDO/	
393 3030 031077	.RAD50 /HAWTHORNE/	
394 3036 032335	.RAD50 /HRMOSA BH/	
395 3044 035167	.RAD50 /INGLEWOOD/	
396 3052 045450	.RAD50 /LA MIRADA/	
397 3060 045477	.RAD50 /LAUNDALE /	
398 3066 046545	.RAD50 /LOMITA /	
399 3074 051570	.RAD50 /MNHTAN BH/	
400 3102 054752	.RAD50 /NORWALK /	
401 3110 062064	.RAD50 /PALOS VDS/	
402 3116 070457	.RAD50 /RDONDO BH/	
403 3124 071154	.RAD50 /RLNG HLS/	
404 3132 074404	.RAD50 /SNTA F SP/	
405 3140 077552	.RAD50 /TORRANCE /	
406 3146 045401	.RAD50 /L ALMITOS/	
407 3154 073366	.RAD50 /SAN PEDRO/	
408 3162 032144	.RAD50 /HOLLYWOOD/	
409 3170 045403	.RAD50 /L COYOTES/	
410 3176 004444	.RAD50 /ARTESIA /	
411 3204 060221	.RAD50 /ORANGE CO/	
412 3212 146371	.RAD50 /213 625 3311/	: LOS ANGELES
413 3222 146371	.RAD50 /213 625 3311/	: LOS ANGELES COUNTY
414 3232 146371	.RAD50 /213 722 3600/	: MONTEBELLO
415 3242 146371	.RAD50 /213 737 6111/	: LYNWOOD
416 3252 146371	.RAD50 /213 866 9061/	: PARAMOUNT
417 3262 146371	.RAD50 /213 861 0771/	: DOWNEY
418 3272 146371	.RAD50 /213 573 1311/	: MONTEREY PARK
419 3302 146371	.RAD50 /213 285 7171/	: ROSEMEAD
420 3312 146371	.RAD50 /213 282 3141/	: ALHAMBRA
421 3322 146371	.RAD50 /213 638 1131/	: COMPTON
422 3332 146371	.RAD50 /213 567 2222/	: SOUTH GATE
423 3342 146371	.RAD50 /213 436 9811/	: LONG BEACH
424 3352 146371	.RAD50 /213 583 6241/	: CUDAHY

TELREF:

425	3362	146371	.RAD50	/213	585	1245/
426	3372	146371	.RAD50	/213	927	2681/
427	3402	146371	.RAD50	/213	587	5211/
428	3412	146371	.RAD50	/213	587	8135/
429	3422	146371	.RAD50	/213	264	4151/
430	3432	146371	.RAD50	/213	866	9061/
431	3442	146371	.RAD50	/213	830	1123/
432	3452	146371	.RAD50	/213	426	7311/
433	3462	146371	.RAD50	/213	625	3311/
434	3472	146371	.RAD50	/213	588	2151/
435	3502	146371	.RAD50	/213	949	2421/
436	3512	146371	.RAD50	/213	579	6540/
437	3522	146371	.RAD50	/213	575	2111/
438	3532	146371	.RAD50	/213	323	7911/
439	3542	146371	.RAD50	/213	625	3311/
440	3552	146371	.RAD50	/213	866	9061/
441	3562	166072	.RAD50	/714	521	1121/
442	3572	146371	.RAD50	/213	773	2822/
443	3602	146371	.RAD50	/213	322	2424/
444	3612	146371	.RAD50	/213	675	4446/
445	3622	146371	.RAD50	/213	376	7981/
446	3632	146371	.RAD50	/213	677	2121/
447	3642	146371	.RAD50	/213	863	8711/
448	3652	146371	.RAD50	/213	671	7531/
449	3662	146371	.RAD50	/213	539	1611/
450	3672	146371	.RAD50	/213	545	4566/
451	3702	146371	.RAD50	/213	773	2447/
452	3712	146371	.RAD50	/213	378	5211/
453	3722	146371	.RAD50	/213	379	5411/
454	3732	146371	.RAD50	/213	539	1661/
455	3742	146371	.RAD50	/213	773	2447/
456	3752	146371	.RAD50	/213	320	2611/
457	3762	146371	.RAD50	/213	431	1344/
458	3772	146371	.RAD50	/213	625	3311/
459	4002	146371	.RAD50	/213	625	3311/
460	4012	146371	.RAD50	/213	625	3311/
461	4022	146371	.RAD50	/213	866	9061/
462	4032	166072	.RAD50	/714	834	3000/
463						
464	004172		.END	INITP		

: BELL
 : BELL GARDENS
 : HUNTINGTON PARK
 : VERNON
 : COMMERCE
 : BELL FLOWER
 : CARSON
 : SIGNAL HILL
 : WILLOWBROOK
 : MAYWOOD
 : PICO RIVERA
 : SOUTH EL MONTE
 : EL MONTE
 : GARDENA
 : WHITTIER
 : LAKEWOOD
 : BUENA PARK
 : CERRITOS
 : EL SEGUNDO
 : HAWTHORNE
 : HERMOSA BEACH
 : INGLEWOOD
 : LA MIRADA
 : LAWDALE
 : LOMITA
 : MANHATTAN BEACH
 : NORWALK
 : PALOS VERDES ESTATES
 : REDONDO BEACH
 : ROLLING HILLS ESTATES
 : SANTA FE SPRINGS
 : TORRANCE

A	005770R	AREA1	005714R	A1	005520R
A2	005522R	A3	005554R	A4	005570R
BASECI=	***** G	BSFLAG=	***** G	BUFERR	005616R
BUFF	004312R	BUFF1	004430R	BUFK2 =	***** G
BUFF1 =	***** G	B1	005646R	CLOCK =	177546
CTFILE	012522RG	CTIME2=	***** G	DATABF	005632R
DATERR	005606R	DATESI=	***** G	DATEST=	***** G
DATRQS	005600R	DISPRC=	***** G	DRC5	= 167770
DRINPB=	167774	DROUTB=	167772	DSCOMP	012434RG
DSENT1=	***** G	DSENT2=	***** G	DSPCH1=	***** G
ENTERR	005726R	ERFLG	004336R	ERFLG1	004320R
ERFLG2	004436R	ERFLG3	004360R	ERFLG4	004242R
ERFLG5	004454R	ERFLG6	004476R	ERFLG7	004606R
ERFLG8	004640R	ERFLG9	005050R	ERR1	004326R
ERR2	004444R	FNDBUF=	***** G	ICN	005732R
INBUF	012424RG	INITP	004172RG	INIT0	004232R
INIT1	004350R	INIT2	004466R	INIT2A	005270R
INPUT	005504R	I02N0	005262R	I020E1	004576R
I020E2	004570R	I02YA	005712R	I02YES	004620R
I02Y1	004650R	I02Y10	005116R	I02Y11	005200R
I02Y2	004656R	I02Y3	005216R	I02Y4	005040R
I02Y5	005032R	I02Y6	005044R	I02Y7	005064R
I02Y8	005070R	I02Y9	005106R	IRAD50=	***** G
I0	004252R	I1	004260R	I2	004332R
I20	004506R	I20E	004602R	I201	004514R
I3	004370R	I4	004450R	KBDENT=	***** G
KDENT1=	***** G	KDENT2=	***** G	LOCBUF	006262RG
LOCEND	006404RG	LOGASC	012446R	LOGBLK	012430RG
LOGFIL	012436RG	LOGFNM	005676R	LOGGER=	***** G
LOGNAM	005702R	LOGRQT	005672R	MILBUF	006404RG
MILEND	006526RG	MOVPI =	***** G	MTFILE	012462RG
NOLOG	012426RG	PC	=%000007	POLBUF	006650RG
PPS =	177560	PRS	= 177564	PS	= 177776
QUE1	005330R	QUE1A	005356R	QUE2	005362R
QUE3	005376R	QUE4	005404R	QUE4A	005450R
RAMLOD	012414RG	RBUF	006526RG	RCSR1	= 175610
RCSR2	= 175620	RCSR3	= 175670	RCSR4	= 175630
RLCTR	012406RG	RLCTR1	012410RG	RLOAD	012344RG
RLPTR1	012404RG	ROUTE	012472RG	RVREF	012412RG
R0	=%000000	R1	=%000001	R1TRAP=	000400
R2	=%000002	R2TRAP=	000404	R3	=%000003
R4	=%000004	R5	=%000005	SP	=%000006
SPDEND	012332RG	SPEED	007042RG	SPSFL	012502RG
SPVEHD	012262RG	SPVEHE	006772RG	SSPBUF	006140RG
SSPEND	006262RG	STRUP	005734R	SYSOP	012432RG
TELREF	013212RG	TEMP	006004R	TIMRQT	005626R
TIMTST=	***** G	TRPLOC	005752R	TYENT	= ***** G
TYPRC	= ***** G	VEHEND	006140RG	VEHQUE	006040RG
VEHXPT=	***** G	VOLATL	000000RG	VSTABL	012512RG
VSTAT	007042RG	VSTEND	012262RG	XCSR1	= 175614
XCSR2	= 175624	XCSR3	= 175674	XCSR4	= 175634
XYFILE	012334RG	...V2	= 000001		
. ABS.	000410				

INITP RT-11 CRO VM02-10
SYMBOL TABLE

00:05:38 PAGE 1+

014042 001
ERRORS DETECTED: 0
FREE CORE: 16767. WORDS

.LP:/C:=INITP.MAC

	1-53#	1-55#	1-57#	1-59#	1-61#	1-327	1-327#
	1-329	1-329#	1-331	1-331#	1-333	1-333#	1-337
	1-337#	1-339	1-339#				
...V1	1-180	1-182	1-184	1-203	1-209	1-212	
...V2	1-14#						
A	1-314	1-316#					
A1	1-179	1-276#	1-285				
A2	1-277#	1-288					
A3	1-279	1-284#					
A4	1-283	1-287	1-289#				
AREA1	1-180	1-184	1-203	1-305#			
B1	1-300#	1-320					
BASEC1	1-19#	1-318					
BSFLAG	1-19#	1-90	1-92*	1-117	1-119*	1-144	1-146*
	1-172	1-174*					
BUFERR	1-99	1-126	1-155	1-186	1-297#		
BUFF	1-96#						
BUFF1	1-123#						
BUFK2	1-19#	1-176	1-177	1-273	1-274	1-277*	1-278
	1-278	1-280*	1-281	1-289	1-289*		
BUFP1	1-19#						
CLOCK	1-32#	1-229*					
CTFILE	1-23#	1-360#					
CTIME2	1-18#	1-227					
DATABF	1-93	1-96	1-120	1-123	1-147	1-149	1-151
	1-275	1-299#					
DATERR	1-89	1-101	1-116	1-128	1-143	1-157	1-171
	1-296#						
DATESI	1-25#	1-214					
DATEST	1-18#	1-95					
DATRQS	1-84	1-294#					
DISPRC	1-22#	1-58					
DRCS	1-39#	1-244*					
DRINPB	1-41#	1-248					
DROUTB	1-40#						
DSCOMP	1-26#	1-353#					
DSENT1	1-24#	1-60					
DSENT2	1-24#	1-54					
DSPCH1	1-18#	1-268					
ENTERR	1-188	1-306#					
ERFLG	1-103#	1-104					
ERFLG1	1-88	1-99#					
ERFLG2	1-115	1-126#					
ERFLG3	1-113#	1-114					
ERFLG4	1-86#	1-87					
ERFLG5	1-130#	1-131					
ERFLG6	1-140#	1-141					
ERFLG7	1-159#	1-160					
ERFLG8	1-168#	1-169					
ERFLG9	1-190#	1-191					
ERR1	1-97	1-100#	1-105				
ERR2	1-124	1-127#	1-132				
FNDDBUF	1-19#	1-194					
I0	1-89#						
I1	1-90#	1-91					
I2	1-89*	1-99*	1-101#	1-126*			

I20	1-143#							
I201	1-144#	1-145						
I20E	1-143*	1-155*	1-157#					
I3	1-116#	1-118						
I4	1-116*	1-128#						
ICNT	1-303	1-307#						
INBUF	1-27#	1-349#						
INIT0	1-83#	1-106	1-193					
INIT1	1-98	1-110#	1-133					
INIT2	1-125	1-137#	1-162					
INIT2A	1-220	1-225#						
INITP	1-18#	1-71#	1-464					
INPUT	1-94	1-121	1-148	1-273#				
I02N0	1-153	1-221#						
I020E1	1-152	1-154	1-156#	1-161				
I020E2	1-142	1-155#	1-170					
I02Y1	1-171#							
I02Y10	1-203#	1-207						
I02Y11	1-204	1-209#						
I02Y2	1-172#	1-173						
I02Y3	1-181	1-208	1-212#					
I02Y4	1-187#							
I02Y5	1-186#	1-192	1-211					
I02Y6	1-171*	1-186*	1-188#					
I02Y7	1-185	1-194#						
I02Y8	1-195#	1-196	1-198	1-203				
I02Y9	1-199#	1-201						
I02YA	1-214*	1-216	1-304#					
I02YES	1-150	1-163#						
IRAD50	1-25#	1-219						
K0DENT	1-22#	1-58						
KDENT1	1-24#	1-60						
KDENT2	1-24#	1-54						
LOCBUF	1-20#	1-330#						
LOCEND	1-21#	1-331#						
LOGASC	1-175	1-178	1-303	1-355#				
LOGBLK	1-26#	1-164*	1-351#					
LOGFIL	1-26#	1-180	1-184	1-354#				
LOGFNM	1-166	1-302#						
LOGGER	1-25#	1-215						
LOGNAM	1-218	1-303#						
LOGRQT	1-138	1-301#						
MILBUF	1-20#	1-332#						
MILEND	1-21#	1-333#						
MOVPI	1-18#	1-83	1-100	1-110	1-127	1-137	1-156	
	1-165	1-187	1-225					
MTFILE	1-26#	1-303	1-356#					
NOLOG	1-26#	1-163*	1-221*	1-350#				
POLBUF	1-23#	1-335#						
PPS	1-37#							
PRS	1-38#							
PS	1-31#	1-79*						
QUE1	1-234#	1-236						
QUE1A	1-240	1-243#						
QUE2	1-244#	1-246						
QUE3	1-62	1-62	1-248#					
QUE4	1-247	1-250#						

QUE4A	1-256#		
R1TRAP	1-46#	1-250*	
R2TRAP	1-47#	1-251*	
RAMLOD	1-27#	1-348#	
RBUFF	1-23#	1-334#	
RCSR1	1-44#	1-252*	
RCSR2	1-35#	1-73*	1-254*
RCSR3	1-42#	1-256*	
RCSR4	1-33#	1-258*	
RLCTR	1-27#	1-345#	
RLCTR1	1-27#	1-346#	
RLOAD	1-27#	1-343#	
RLPTR1	1-27#	1-344#	
ROUTE	1-23#	1-357#	
RVREF	1-27#	1-347#	
SPDEND	1-21#	1-235	1-341#
SPEED	1-21#	1-337#	
SPSTFL	1-25#	1-358#	
SPVEHD	1-21#	1-340#	
SPVEHE	1-21#	1-336#	
SSPBUFF	1-20#	1-328#	
SSPEND	1-21#	1-329#	
STRUP	1-226	1-308#	
SYSTOP	1-26#	1-352#	
TELREF	1-23#	1-412#	
TEMP	1-313*	1-315*	1-316* 1-319#
TIMRQT	1-111	1-298#	
TIMTST	1-18#	1-122	
TRPLOC	1-312#	1-320	
TYENT	1-18#	1-71	
TYPRC	1-18#	1-72	
VEHEND	1-20#	1-327#	
VEHQVE	1-20#	1-233	1-326#
VEHXPT	1-22#	1-250	1-251
VOLATL	1-25#	1-68#	
VSTABL	1-23#	1-359#	
VSTAT	1-20#	1-338#	
VSTEND	1-20#	1-339#	
XCSR1	1-45#	1-253*	
XCSR2	1-36#	1-74*	1-255*
XCSR3	1-43#	1-257*	
XCSR4	1-34#	1-259*	
XYFILE	1-25#	1-342#	

...CM1	1-14#	1-180	1-184	1-203	1-320		
...CM2	1-14#	1-180	1-184	1-203	1-203	1-203	1-203
	1-320						
...CM3	1-14#	1-182	1-209	1-212			
...CM4	1-14#	1-203					
...V2..	1-13#	1-14					
.CLOSE	1-13#	1-182	1-209	1-212			
.ENTER	1-13#	1-184					
.LOOKU	1-13#	1-180					
.REGDE	1-13#	1-15					
.SRESE	1-13#	1-183	1-210	1-213			
.TRPSE	1-13#	1-320					
.WRITW	1-13#	1-203					

.....

```
0001 SUBROUTINE INIT
0002 COMMON LSTXY(20), IXYOUT(3), Ibuff(25), IOBUFR(4)
0003 COMMON /POINT1/ EX,EY
C    CALL INITP
0004 RETURN
0005 END
```

FORTAN IV STORAGE MAP

NAME OFFSET ATTRIBUTES

COMMON BLOCK // LENGTH 000150

LSTXY	000000	INTEGER*2	ARRAY (20)
IXYOUT	000050	INTEGER*2	ARRAY (3)
IBUFF	000056	INTEGER*2	ARRAY (25)
IOBUFR	000140	INTEGER*2	ARRAY (4)

COMMON BLOCK /POINT1/ LENGTH 000010

EX	000000	REAL*4	VARIABLE
EY	000004	REAL*4	VARIABLE

1- 2	SCHED1
1-700	CTIME2
1-861	DATEST
1-026	TIMTST
1-208	SLOPCM
1-245	NORTNP
1-270	POLNXT
1-348	CLNUP
1-611	RSLOCM


```

1      .TITLE  SCHLDR
2      .SBTTL  SCHED1
3      ;
4      SCHED1 = SYSTEM PROCESSING SCHEDULER -- CARGO SECURITY
5      ;
6      ;
7      ;      THIS MODULE FUNCTIONS AS THE SYSTEM PROGRAM SUPERVISOR.
8      ;      AS PART OF ITS FUNCTION IT RETURNS THE SYSTEM TO ITS NORMAL
9      ;      STATUS FOLLOWING AN INTERRUPT. IT CONTROLS THE TASKING THE
10     ;      ESTABLISHES THE PRIORITY OF SERVICING EACH OF THE MODULES.
11     ;      IT PROVIDES THE INTERFACE CONTROL WITH THE RESIDENT OPERATING
12     ;      SYSTEM SUPERVISION, AND MAINTAINS THE TIME AND DATA INFORMATION
13     ;      WHICH IS USED BY THE VARIOUS MODULES. IN ADDITION, THIS MODULE CONTROLS
14     ;      THE OUTPUT COMMANDS TO THE VEHICLE EQUIPMENT VIA A COMMAND SCHEDULE.
15     ;
16     ;      THIS ROUTINE RETURNS THE SYSTEM TO ITS NORMAL STATUS FOLLOWING
17     ;      THE INTERRUPT.
18     ;
19     .MCALL  ..V2....REGDEF
20 00000    ..V2...
21 00000    .REGDEF
22     .NLIST  BEX
23     ;
24     .GLOBL  SCHED1,VEHCMD,SLOPCM,RSLOCM,DSPCM1,GICMD,TCCMD
25     .GLOBL  ERAFGP,RAVCOM,SLPSTF,POLADR,SLPHSF,SLP3SF,RPTR,POLBUF,GIBELL
26     .GLOBL  POLFLG,TCBELL,CTIME,DSFLAG,DSFLG1,DSFLG2,DSFLG3,DSFLG4,BSFLAG
27     .GLOBL  PHSROL,SCHED,DSCTR1,DSCTR2,DSCTR3,DSCTR4,CURSE1,DFLAGG,DFLAGT
28     .GLOBL  DSFLG7,DSFLG8,DSCTR5,DSCTR6,DSFLG5,DSFLG6,ESCO,MOVCS,MOVCS3
29     .GLOBL  IFLAG1,IFLAG2,IFLAG3,IFLAG4,RLD1,RLD2,TCCTR,GICTR
30     .GLOBL  PDTC3,PDTC5,DSCMD1,DSCMD2,TC1BEL,TCMBEL,GI1BEL,GIMBEL
31     .GLOBL  MTFIL,TDFILE,IFLAGX,IFLAGY,RLCTR2,RLCTR3,RVSTAT,RBUFF,RLCTR
32     .GLOBL  GILRCD,TCLRCD,VALVID,CMDBUF,CMD0,ALCCMD,DSCOMP,NOLOG,INPUTA,LOGOV
33     .GLOBL  CMDSU1,SAVREG,RSTREG,BASEC1,GISECD,GISECT,GISETT,TCSECD,TCSECT,TCSETT
34     .GLOBL  BUFK2,DFLGG1,DFLGT1,DYDTC,DYDGI,CMD0,CMDBUF
35     ;
36 167770 DRCS      =      167770
37 167772 DROUTB    =      167772
38     ;
39     ;
40     ;      INITIALIZE SYSTEM, TEST FOR REMOTE ALARM RESPONSE
41     ;      (ERAFGP+1 CONTAINS VEHICLE ID FOR SLOW POLL INTERROGATION.)
42     ;
43 00000 010546 SCHED1: MOV      R5,-(SP)          ; SAVE R5
44 00002 004567      JSR      R5,SAVREG          ; SAVE REG 0-4
45 00006 032767      BIT      #100000,DRCS      ; IS DR11C BUSY?
46 00014 001402      BEQ      SCH              ;
47 00016 000167      JMP      SCH1              ; YES, GO TO CTR UPDATE
48 00022 005367 SCH:  DEC      DRCNTR           ; DECREMENT 100 MSEC CTR
49 00026 100402      BMI      SCHX              ;
50 00030 000167      JMP      SCH1              ; DELAY NOT DONE, GO TO CTR UPDATE
51 00034 012767 SCHX: MOV      #5,DRCNTR        ; RESET DELAY CNTR
52 00042 004567      JSR      R5,VEHCMD        ; GO TO OUTPUT COMMAND ROUTINE
53 00046 126767      CMPB     ERAFGP+1,RAVCOM    ; TEST FOR REMOTE ALARM RESPONSE

```

54 00054 001064	BNE	SCH1A	; NO. GO TO NORMAL COUNTER
55 00056 032767	BIT	#100000,DRCS	; YES. TEST FOR DR-11C BUSY
56 00064 001166	BNE	SCH1	; YES. GO AROUND
57 00066 016701	MOV	RAVCOM+2,R1	; GET REMOTE ALARM DATA BUFR
58 00072 042701	BIC	#176017,R1	; CLEAR NON-ESSENTIAL BITS
59 00076 020167	CMP	R1,RLCTR2	; IS INPUT A V RAM LOAD CMD
60 00102 001557	BEQ	SCH1	; YES. GO AROUND
61 00104 016767	MOV	RAVCOM+2, INPUTA	
62 00112 016767	MOV	RAVCOM+2, INPUTA+2	
63 00120 004567	JSR	R5,LOGOV	
64 00124 016767	MOV	RAVCOM+2,DROUTB	; NO,STORE OUTPUT WORD
65 00132 005067	CLR	RAVCOM	; CLEAR REMOTE ALARM POLL VEHICLE ID
66 00136 105367	DECB	ERAFGP+1	
67 00142 105367	DECB	ERAFGP	; RESET FLAG
68 00146 005767	TST	RBUFF	; IS R ALARM BUFR EMPTY?
69 00152 001533	BEQ	SCH1	; YES. GO AROUND
70 00154 016767	MOV	RBUFF,RAVCOM+2	; STORE R ALARM BUFR FLAG
71 00162 016701	MOV	RAVCOM+2,R1	; GET VEH. ID
72 00166 006201	ASR	R1	; FORMAT DATA
73 00170 006201	ASR	R1	
74 00172 006201	ASR	R1	
75 00174 006201	ASR	R1	
76 00176 042701	BIC	#177700,R1	; CLEAR NON-ESSENTIAL BITS
77 00202 010167	MOV	R1,RAVCOM	; STORE IN BUFR
78 00206 012701	MOV	#RBUFF,R1	; GET BUFR ADDR
79 00212 005021	CLR	(R1)+	; CLEAR ENTRY
80 00214 005721 SCH1B:	TST	(R1)+	; ARE ANY MORE CMDS PENDING
81 00216 001511	BEQ	SCH1	; NO. GO AROUND
82 00220 011161	MOV	(R1),-2(R1)	; YES. STORE CMD IN BUFR
83 00224 000773	BR	SCH1B	; GO BACK AND RETEST
84 00226 112767 SCH1A:	MOVB	#177,ERAFGP+1	
85 00234 005767	TST	PHSROL	; IS POLL RESPONSE REQUIRED?
86 00240 001431	BEQ	SCH1C	; NO. GO AROUND
87 00242 032767	BIT	#100000,DRCS	; YES. TEST FOR DR11-C BUSY
88 00250 001074	BNE	SCH1	; YES. GO AROUND
89 00252 016701	MOV	PHSROL,R1	; MOVE CMD TO BUFR
90 00256 042701	BIC	#176017,R1	; CLEAR NON-ESSENTIAL BITS
91 00262 020167	CMP	R1,RLCTR2	; IS V RAM LOAD PENDING
92 00266 001465	BEQ	SCH1	; YES. GO AROUND
93 00270 016767	MOV	PHSROL, INPUTA	
94 00276 016767	MOV	PHSROL, INPUTA+2	
95 00304 004567	JSR	R5,LOGOV	
96 00310 016767	MOV	PHSROL,DROUTB	; STORE OUTPUT WORD
97 00316 005067	CLR	PHSROL	; CLEAR BUFR
98 00322 000447	BR	SCH1	; GO TO SCHLDR TEST
99 00324 005767 SCH1C:	TST	RBUFF	; DOES RA BUFFER HAVE ANY DATA?
100 0330 001444	BEQ	SCH1	; NO. GO AROUND
101 0332 016701	MOV	ERAFGP+1,R1	; GET VEHICLE ID OF RA INPUT
102 0336 006301	ASL	R1	; FORMAT FOR OUTPUT COMMAND
103 0340 006301	ASL	R1	
104 0342 006301	ASL	R1	
105 0344 006301	ASL	R1	
106 0346 012703	MOV	#RBUFF,R3	; GET BUFFER ADDRESS

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107 0352 011300 SCH1CA: MOV      (R3),R0          ; GET DATA FROM BUFFER
108 0354 042700          BIC      #176041,R0       ; CLEAR NON-VEHICLE ID BITS
109 0360 005700          TST      R0              ; IS VEHICLE ID '0' IN BUFFER
110 0362 001420          BEQ      SCH1CC          ; YES, GO SHIFT BUFFER
111 0364 020100          CMP      R1,R0           ; ARE VEHICLES THE SAME?
112 0366 001406          BEQ      SCH1CB          ; YES, GO OUTPUT DATA
113 0370 062703          ADD      #2,R3           ; INCREMENT POINTER
114 0374 020327          CMP      R3,#POLBUF       ; AT BUFR END?
115 0400 100764          BMI      SCH1CA          ; NO, TRY AGAIN
116 0402 000417          BR       SCH1           ; YES, GO AROUND
117 0404 011367 SCH1CB: MOV      (R3),INPUTA       ; STORE COMMAND
118 0410 011367          MOV      (R3),INPUTA+2    ; AGAIN
119 0414 004567          JSR      R5,LOGOV         ; LOG DATA
120 0420 011367          MOV      (R3),DROUTB      ; OUTPUT TO VEHICLE
121 0424 010300 SCH1CC: MOV      R3,R0            ; GET ADDRESS
122 0426 005023          CLR      (R3)+           ; CLEAR CURRENT ENTRY
123 0430 011320 SCH1CD: MOV      (R3),(R0)+        ; SHIFT UP AND INC.
124 0432 005723          TST      (R3)+           ; UPDATE POINTER
125 0434 020327          CMP      R3,#POLBUF       ; AT END?
126 0440 100773          BMI      SCH1CD
127          ;
128          ; SCHEDULE PROCESSES
129          ;
130          ; BIT SET IN SCHED CALLS THE PROCESS ROUTINE
131          ; BIT
132          ; 0 NORMAL MODE SLOW POLL
133          ; 1 REMOTE ALARM MODE SLOW POLL
134          ; 2 ALARM BELLS SCHEDULED FOR PERIODIC OUTPUT
135          ; 3 SEQUENTIAL UPDATE OF DISPATCH STATION ROUTE STATUS
136          ; 4 MAG TAPE LOAD UPON CLOCK ROLLOVER
137          ; 5 SCHEDULES MODE CHANGING ON YARD ENTRY
138          ; 6 32 MSEC OUTPUT TO DISPATCH STATION MODULE
139          ; 7 4 MIN OUTPUT TO DISPATCH STATION MODULE
140          ; 8 RAM LOAD ACKNOWLEDGE TEST
141          ; 9 32 MSEC TIMEOUT FOR DISPATCH STATION
142          ; 10 160 MSEC TIMER FOR DISPATCH STATION PROCESSING
143          ; 11 ENABLE SENSOR ON YARD EXIT
144          ; 12 ENABLE NORMAL MODE START-UP UPON YD EXIT
145          ; 13 DISPATCH STATION TEN SECOND COUNTER
146          ; 14 YARD ENTRY 2 SECOND COUNTER
147          ;
148 0442 005067 SCH1: CLR      TEST              ; SET INDEX
149 0446 005067          CLR      TEST1           ; SET POINTER
150 0452 005267          INC      TEST1          ; SET BIT #1
151 0456 036767 S1: BIT      TEST1,SCHED          ; TEST FOR SET
152 0464 001012          BNE      S2              ; YES, GO PROCESS DATA
153 0466 062767 S1A: ADD      #2,TEST           ; INCREMENT POINTER
154 0474 026767          CMP      TEST,LIMIT      ; AT END?
155 0502 001410          BEQ      S3              ; YES, RETURN
156 0504 006367          ASL      TEST1          ; NO, TIMES 2
157 0510 000762          BR       S1              ; SEE IF FLAG SET
158 0512 016701 S2: MOV      TEST,R1            ; GET POINTER
159 0516 004571          JSR      R5,@PTR(R1)      ; GO TO SUBROUTINE
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160 0522 000761      BR      S1A              ; TRY AGAIN
161 0524 004567 S3:   JSR      R5,RSTREG        ; RESTORE REG 0-4
162 0530 012605      MOV      (SP)+,R5         ; RESTORE R5
163 0532 000002      RTI                      ; RETURN
164
165      ;
166      ;      NORMAL MODE SLOW POLL SCHEDULER
167 0534 005367 NORMAL: DEC      NORCTR          ; DECREMENT AND TEST NORMAL CYCLE
168 0540 100404      BMI      N1              ; AT END, GO PROCESS NORMAL MODE
169 0542 005767      TST      POLFLG          ; NOT AT END, IS NORMAL POLL IN PRC
170 0546 001022      BNE      N2              ; YES, GO TO NORMAL MODE CONTINUE
171 0550 000205 RETN:  RTS      R5              ; RETURN TO TEST LOOP
172
173      ;
174      ;      TEST POLLING FLAG INITIALIZED
175 0552 016767 N1:    MOV      RESET1,NORCTR    ; RESET COUNTER
176 0560 005267      INC      SLPSTF          ; SET SLOW POLL START FLAG
177 0564 004567      JSR      R5,SLOPCM        ; GO PROCESS SLOW POLL START
178 0570 005767      TST      POLFLG          ; IS INITIALIZATION COMPLETE
179 0574 001406      BEQ      N1A             ; NO, GO AROUND
180 0576 012767      MOV      #20.,RESET2     ; SET 300 MSEC COUNTER
181 0604 012767      MOV      #179.,RESET3    ; SET 3 SECOND COUNTER
182 0612 000756 N1A:  BR      RETN            ; RETURN
183
184      ;
185      ;      POLLING FLAG SET
186 0614 032767 N2:    BIT      #100000,DRCS    ; IS RADIO INTERFACE CLEAR
187 0622 001020      BNE      N3              ; NO, GO TO NEXT PROCESS
188 0624 005767 N2A:  TST      POLADR          ; IS THIS THE FIRST TIME THRU
189 0630 001015      BNE      N3              ; NO, GO TO NEXT PROCESS
190 0632 005267      INC      SLPHSF          ; SET #1 FLAG
191 0636 004567      JSR      R5,SLOPCM        ; GO TO PROCESS SLOW POLL
192 0642 005067      CLR      SLPHSF          ; CLEAR #1 FLAG
193 0646 012767      MOV      #179.,RESET3    ; SET 3 SEC TIME-OUT
194 0654 012767      MOV      #20.,RESET2     ; SET 300MSEC TIMEOUT
195 0662 000732      BR      RETN            ; RETURN
196
197      ;
198      ;      POLLING FLAG SET AND ADDRESS NOT ZERO
199 0664 032767 N3:    BIT      #100000,DRCS    ; IS INTERFACE CLEAR
200 0672 001022      BNE      N3A             ; YES, GO AROUND
201 0674 005367      DEC      RESET3          ; DECREMENT 3 SEC COUNTER
202 0700 005367      DEC      RESET2          ; DECREMENT 300 MSEC CTR
203 0704 100321      BPL      RETN            ; IF NOT ZERO, RETURN
204 0706 005267      INC      SLPHSF          ; SET #1 FLAG
205 0712 004567      JSR      R5,SLOPCM        ; GO TO SLOPOLL ROUTINE
206 0716 005067      CLR      SLPHSF          ; CLEAR #1 FLAG
207 0722 012767      MOV      #179.,RESET3    ; SET #2 COUNTER
208 0730 012767      MOV      #20.,RESET2     ; SET #1 COUNTER
209 0738 000704      BR      RETN            ; RETURN
210
211      ;
212      ;      POLLING FLAG SET, ADDRESS NOT ZERO, BASE STATION BUSY

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213 0740 012767 N3A:  MOV    #20.,RESET2      ; RESET #1 COUNTER
214 0746 005367      DEC    RESET3          ; DECREMENT #2 COUNTER
215 0752 100012      BPL    N3B              ; AT ZERO
216 0754 005267      INC    SLP3SF          ; SET #2 FLAG
217 0760 004567      JSR    R5,SLOPCM        ; GO TO SLOWPOLL ROUTINE
218 0764 005067      CLR    SLP3SF          ; CLEAR #2 FLAG
219 0770 012767      MOV    #179.,RESET3     ; RESET #2 COUNTER
220 0776 000712      BR     N2A              ; PROCESS NEXT INPUT
221 1000 000663 N3B:  BR     RETN            ; RETURN
222      ;
223      ;      REMOTE ALARM MODE SLOW POLL SCHEDULER
224      ;
225 1002 005367 REMOTE: DEC    REMCTR          ; DECREMENT REMOTE ALM COUNTER
226 1006 100404      BMI    R11              ; AT ZERO? GO PROCESS
227 1010 005767      TST    RPLFLG          ; IS REMOTE ALARM POLL FLAG SET
228 1014 001020      BNE    R21              ; YES, GO TO SEQUENTIAL POLL
229 1016 000205 RETNR: RTS     R5              ; RETURN
230      ;
231      ;      RESOLVE CONFLICTS WITH SCHEDULER
232      ;
233 1020 032767 R11:   BIT     #100000.DRCS     ; IS BASE STATION INTERFACE BUSY
234 1026 001403      BEQ    R1B              ; NO, GO PROCESS
235 1030 005267      INC    REMCTR          ; RESET COUNTER FOR NEXT TRY
236 1034 000770 R1A:  BR     RETNR            ; RETURN
237      ;
238      ;      DR-11C INTERFACE AVAILABLE, OUTPUT RAM SLOW POLL COMMAND
239      ;
240 1036 004567 R1B:   JSR    R5,RSLOCM        ; GO TO SLOW POLL PROCESSOR
241 1042 005267      INC    RPLFLG          ; SET POLLING FLAG
242 1046 012767      MOV    #14400.,REMCTR     ; SET REMOTE ALARM COUNTER
243 1054 000760      BR     RETNR
244      ;
245      ;      POLLING FLAG SET
246      ;
247 1056 016700 R21:   MOV    RPTR,R0          ; GET BUFFER POINTER
248 1062 062700      ADD    #POLBUF,R0        ; ADD ADDR
249 1066 005710      TST    (R0)              ; IS IT ZERO
250 1070 001005      BNE    R2A              ; NO, GO PROCESS
251 1072 005067      CLR    RPLFLG          ; CLEAR POLLING FLAG
252 1076 005067      CLR    RPTR            ; RESET POINTER
253 1102 000745      BR     RETNR            ; RETURN
254 1104 005767 R2A:   TST    RAVCOM          ; IS BUFFER EMPTY
255 1110 001022      BNE    R2B              ; NO, GO AROUND
256 1112 011067      MOV    (R0),RAVCOM+2     ; LOAD OUTPUT COMMAND
257 1116 011067      MOV    (R0),RAVCOM      ; STORE ID
258 1122 006267      ASR    RAVCOM           ; SHIFT RIGHT
259 1126 006267      ASR    RAVCOM
260 1132 006267      ASR    RAVCOM
261 1136 006267      ASR    RAVCOM
262 1142 042767      BIC    #177700,RAVCOM    ; CLEAR NON-ESSENTIAL BITS
263 1150 062767      ADD    #2,RPTR          ; INCREMENT POINTER
264 1156 000717 R2B:  BR     RETNR            ; RETURN
265      ;

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266      ;      ALARM BELL FOR DISPATCH STATION AND BASE STATION
267      ;
268 1160 012767 ALBELL: MOV      #MOVC3,MOVC
269 1166 004567 JSR        R5,BELTST
270 1172 005572      .WORD    GI1BEL,GIMBEL,PDTC3,DSFLG8,GICTR
271 1204 012767 MOV        #MOVC5,MOVC
272 1212 004567 JSR        R5,BELTST
273 1216 005566      .WORD    TC1BEL,TCMBEL,PDTC5,DSFLG7,TCCTR
274 1230 000205 RTS        R5
275      ;
276      ;      SUBROUTINE FOR BELL FLAG TESTS
277      ;
278 1232 012500 BELTST: MOV      (R5)+,R0
279 1234 012501 MOV        (R5)+,R1
280 1236 012502 MOV        (R5)+,R2
281 1240 012503 MOV        (R5)+,R3
282 1242 012504 MOV        (R5)+,R4
283 1244 032722 BIT        #700,(R2)+
284 1250 001043 BNE        BEL3
285 1252 032712 BIT        #6000,(R2)
286 1256 001043 BNE        BEL3
287 1260 005767 TST        RLD1
288 1264 001035 BNE        BEL3
289 1266 005767 TST        RLD2
290 1272 001032 BNE        BEL3
291 1274 005711 TST        (R1)
292 1276 001410 BEQ        BEL1
293 1300 005713 TST        (R3)
294 1302 001006 BNE        BEL1
295 1304 005314 DEC        (R4)
296 1306 100401 BMI        BELA
297 1310 001003 BNE        BEL1
298 1312 012714 BELA: MOV      #159,,(R4)
299 1316 000411 BR         BEL2
300 1320 005710 BEL1: TST        (R0)
301 1322 001416 BEQ        BEL3
302 1324 005713 TST        (R3)
303 1326 001014 BNE        BEL3
304 1330 005310 DEC        (R0)
305 1332 022710 CMP        #1,(R0)
306 1336 001010 BNE        BEL3
307 1340 005010 CLR        (R0)
308 1342 016702 BEL2: MOV      MOVC,R2
309 1346 004512 JSR        R5,(R2)
310 1350 001404      .WORD    BELL,2,0
311 1356 005213 INC        (R3)
312 1360 005711 BEL3: TST        (R1)
313 1362 001407 BEQ        BEL5
314 1364 005714 TST        (R4)
315 1366 001404 BEQ        BEL4
316 1370 005713 TST        (R3)
317 1372 001003 BNE        BEL5
318 1374 005314 DEC        (R4)

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319 1376 000401 BR BEL5
320 1400 005214 BEL4: INC (R4)
321 1402 000205 BEL5: RTS R5
322 1404 033 BELL: .BYTE 33,136
323 1406 000000 MOV: .WORD 0
324 ;
325 ; SCHEDULE SEQUENTIAL UPDATE OF DISPATCH STATION ROUTE STATUS
326 ;
327 1410 005367 RSUPDT: DEC RTSTAT ; DECREMENT COUNTER
328 1414 100003 BPL RSOUT ; AT ZERO, NO GO TO OUTPUT
329 1416 012767 MOV #14400,RTSTAT ; RESET COUNTER
330 1424 000205 RSOUT: RTS R5 ; RETURN
331 ;
332 ; SCHEDULES MAGTAPE LOAD UPON CLOCK ROLL-OVER
333 ;
334 1426 005767 DSPRLD: TST CTIME ; IS CLOCK AT ZERO
335 1432 001011 BNE DSOUT ; NO, RETURN
336 1434 005767 TST NOLOG ; IS LOGGING FLAG SET?
337 1440 001006 BNE DSOUT
338 1442 012767 MOV #1,DSCOMP ; SET DISPATCH STATION COMPLETE FLAG
339 1450 042767 BIC #3,SCHED ; STOP VEHICLE POLLING
340 1456 000205 DSOUT: RTS R5 ; RETURN
341 ;
342 ; SCHEDULE VEHICLE COMMAND OUTPUTS FOR MODE CHANGING ON YARD ENTRY
343 ;
344 1450 000240 VCMDEN: NOP ;
345 1462 000205 RTS R5 ; RETURN
346 ;
347 ; SCHEDULE DISPATCH STATION COMMAND INDICATING 434 MSEC HAS PASSED
348 ; SINCE FLAG WAS DETECTED
349 ;
350 1464 005767 DENT32: TST DSFLG1 ; TEST TRANSCON FLAG
351 1470 001432 BEQ DENTA ; IF CLEAR, GO TEST NEXT FLAG
352 1472 005767 TST DSCTR1 ; IS COUNTER ZERO
353 1476 001003 BNE DENT1 ; NO, GO PROCESS
354 1500 012767 MOV #430,DSCTR1 ; SET FLAGS
355 1506 105367 DENT1: DECB DSCTR1 ; DECREMENT COUNTER
356 1512 100020 BPL DENTX ; NOT AT ZERO, GO AROUND
357 1514 105767 TSTB CURSE1 ; IS CURSOR COMMAND FLAG SET?
358 1520 001406 BEQ DENT1A ; NO, GO TO NEXT TEST
359 1522 105067 CLRB CURSE1 ; CLEAR FLAG
360 1526 152767 BISB #7,DSFLAG+1 ; SET DISPATCHER STATION CALL FLAG
361 1534 000403 BR DENT1B ; GO CLEAR OTHER FLAGS
362 1536 152767 DENT1A: BISB #6,DSFLAG+1 ; SET DISPATCH STATION FLAG
363 1544 005067 DENT1B: CLR DSCTR1 ; CLEAR COUNTER
364 1550 005067 CLR DSFLG1 ; CLEAR FLAG
365 1554 000434 DENTX: BR DENT40 ; RETURN
366 ;
367 1556 005767 DENTA: TST DSFLG2 ; TEST FOR GI FLAG
368 1562 001431 BEQ DENT40 ; IF CLEAR, RETURN
369 1564 005767 TST DSCTR2 ; IS COUNTER ZERO
370 1570 001003 BNE DENT3 ; NO, GO PROCESS
371 1572 012767 MOV #430,DSCTR2 ; SET FLAGS

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372 1600 105367 DENT3: DECB DSCTR2 ; DECREMENT COUNTER
373 1604 100020 BPL DENT40 ; NOT AT ZERO, GO AROUND
374 1606 105767 TSTB CURSE1+1 ; IS CURSOR COMMAND FLAG SET?
375 1612 001406 BEQ DENT3A ; NO, GO TO NEXT TEST
376 1614 105067 CLRB CURSE1+1 ; CLEAR FLAG
377 1620 152767 BISR #70,DSFLAG+1 ; SET DISPATCHER STATION CALL FLAG
378 1626 000403 BR DENT3B ; GO CLEAR OTHER FLAGS
379 1630 152767 DENT3A: BISR #60,DSFLAG+1 ; SET DISPATCH STATION MODULE FLAG
380 1636 005067 DENT3B: CLR DSFLG2 ; CLEAR COUNTER
381 1642 005067 CLR DSCTR2 ; CLEAR FLAG
382 1646 000205 DENT40: RTS R5 ; RETURN
383 ;
384 ; SCHEDULE DISPATCH STATION COMMAND INDICATING 4 MIN HAS PASSED
385 ; SINCE FLAG WAS SET
386 ;
387 1650 005767 DENT4: TST DSFLG3 ; TEST TRANSCON FLAG
388 1654 001422 BEQ DENTB ; IF CLEAR, GO TEST G1
389 1656 005767 TST DSCTR3 ; IS COUNTER ZERO
390 1662 001003 BNE DENT41 ; NO, GO PROCESS
391 1664 012767 MOV #34100,DSCTR3 ; SET COUNTER AND FLAGS
392 1672 105367 DENT41: DECB DSCTR3 ; DECREMENT COUNTER
393 1676 100010 BPL DENT42 ; NOT ZERO, GO AROUND
394 1700 004267 JSR R2,DSPCMI ; COMMAND DISPATCH STATION
395 1704 000000 .WORD 0,19. ; MODULE
396 1710 005067 CLR DSCTR3 ; CLEAR COUNTER
397 1714 005067 CLR DSFLG3 ; CLEAR FLAG
398 1720 000424 DENT42: BR DENT44 ; RETURN
399 ;
400 1722 005767 DENTB: TST DSFLG4 ; TEST G1 FLAG
401 1726 001421 BEQ DENT44 ; IF CLEAR RETURN
402 1730 005767 TST DSCTR4 ; IS COUNTER CLEAR
403 1734 001003 BNE DENT43 ; NO, GO PROCESS
404 1736 012767 MOV #34100,DSCTR4 ; SET COUNTER AND FLAGS
405 1744 105367 DENT43: DECB DSCTR4 ; DECREMENT COUNTER
406 1750 100010 BPL DENT44 ; AT ZERO
407 1752 004267 JSR R2,DSPCMI ; COMMAND DISPATCH STATION
408 1756 000000 .WORD 0,21. ; MODULE
409 1762 005067 CLR DSCTR4 ; CLEAR COUNTER
410 1766 005067 CLR DSFLG4 ; CLEAR FLAG
411 1772 000205 DENT44: RTS R5 ; RETURN
412 ;
413 ; RAM LOAD ACKNOWLEDGE PROCESSING
414 ;
415 1774 005367 ACKN: DEC RLCTR3
416 2000 100042 BPL ACKNO
417 2002 016700 MOV RVSTAT,R0
418 2006 042760 BIC #120000,12(R0)
419 2014 042760 BIC #400,4(R0)
420 2022 012767 MOV #59,RLCTR3
421 2030 005767 TST RLCTR2
422 2034 001424 BEQ ACKNO
423 2036 016767 MOV RLCTR2,CMDBUF
424 2044 005067 CLR RLCTR2

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425 2050 052767      BIS      #4.CMDBUF
426 2056 004567      JSR      R5.CMD0
427 2062 111067      MOVB     (R0),ACKN1+2
428 2066 152767      BISB     #1.RLCTR+1
429 2074 004567      JSR      R5.ALCCMD
430 2100 000013  ACKN1:  .WORD   11..0.0
431 2106 000205  ACKNO:  RTS      R5
432      ;
433      ;      32 MSEC PROCESSOR FOR DISPATCH PROCESSORS
434      ;
435 2110 005767  DENT2:  TST      DSFLG5
436 2114 001504      BEQ      DENT2B
437 2116 005767      TST      DSCTR5
438 2122 001003      BNE      DENT2A
439 2124 012767      MOV      #404,DSCTR5
440 2132 105367  DENT2A:  DECB     DSCTR5
441 2136 100121      BPL      DE1OUT
442 2140 032767      BIT      #4000,PDTC5+2
443 2146 001004      BNE      DEABA
444 2150 032767      BIT      #100,PDTC5
445 2156 001403      BEQ      DEAB
446 2160 105267  DEABA:  INCB     DSCTR5
447 2164 000566      BR       DENT2Z
448 2166 004567  DEAB:   JSR      R5.MOVCS
449 2172 000000G     .WORD     ESC0.2.0
450 2200 005767      TST      DSCMD1
451 2204 001437      BEQ      DE1
452 2206 022767      CMP      #21..DSCMD1+4
453 2214 001404      BEQ      DEAB1A
454 2216 022767      CMP      #22..DSCMD1+4
455 2224 001015      BNE      DEAB1
456 2226 016767  DEAB1A:  MOV      DSCMD1+2,DEO
457 2234 016767      MOV      DSCMD1+4,DEO+2
458 2242 004267      JSR      R2.DSPCMI
459 2246 000000  DEO:    .WORD     0.0
460 2252 005067      CLR      DSCMD1
461 2256 000412      BR       DE1
462 2260 005067  DEAB1:  CLR      DSCMD1
463 2264 016767      MOV      DSCMD1+2,TCCMD
464 2272 016767      MOV      DSCMD1+4,TCCMD+2
465 2300 105267      INCB     DFLAGT
466 2304 005267  DE1:    INC      IFLAG2
467 2310 005267      INC      IFLAG1
468 2314 005067      CLR      DSCTR5
469 2320 005067      CLR      DSFLG5
470 2324 000506      BR       DENT2Z
471 2326 005767  DENT2B:  TST      DSFLG6
472 2332 001503      BEQ      DENT2Z
473 2334 005767      TST      DSCTR6
474 2340 001003      BNE      DENT2C
475 2342 012767      MOV      #404,DSCTR6
476 2350 105367  DENT2C:  DECB     DSCTR6
477 2354 100072      BPL      DENT2Z

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478 2356 032767 BIT #4000.PDTC3+2
479 2364 001004 BNE DEAAA
480 2366 032767 BIT #100.PDTC3
481 2374 001403 BEQ DEAA
482 2376 105267 DEAAA: INCB DSCTR6
483 2402 000457 DE1OUT: BR DENT2Z
484 2404 004567 DEAA: JSR R5.MOV5C3
485 2410 000000G .WORD ESCO.2.0
486 2416 005767 TST DSCMD2
487 2422 001437 BEQ DE3
488 2424 022767 CMP #21.,DSCMD2+4
489 2432 001404 BEQ DEAA1A
490 2434 022767 CMP #22.,DSCMD2+4
491 2442 001015 BNE DEAA1
492 2444 016767 DEAA1A: MOV DSCMD2+2,DE01
493 2452 016767 MOV DSCMD2+4,DE01+2
494 2460 004267 JSR R2.DSPCMI
495 2464 000000 DE01: .WORD 0.0
496 2470 005067 CLR DSCMD2
497 2474 000412 BR DE3
498 2476 005067 DEAA1: CLR DSCMD2
499 2502 016767 MOV DSCMD2+2,GICMD
500 2510 016767 MOV DSCMD2+4,GICMD+2
501 2516 105267 INCB DFLAGG
502 2522 005267 DE3: INC IFLAG3
503 2526 005267 INC IFLAG4
504 2532 005067 CLR DSCTR6
505 2536 005067 CLR DSFLG6
506 2542 000205 DENT2Z: RTS R5
507 ;
508 ; 160 MSEC BELL COUNTER FOR DISPATCH STATIONS
509 ;
510 2544 005767 D160: TST DSFLG7
511 2550 001433 BEQ D160B
512 2552 005767 TST DSCTR7
513 2556 001003 BNE D160A
514 2560 012767 MOV #410.DSCTR7
515 2566 105367 D160A: DECB DSCTR7
516 2572 100057 BPL D160Z
517 2574 004567 JSR R5.MOV5C5
518 2600 005554 .WORD NAUGHT.1.0
519 2606 005067 CLR DSCTR7
520 2612 005067 CLR DSFLG7
521 2616 042767 BIC #100.PDTC5
522 2624 005067 CLR IFLAGX
523 2630 042767 BIC #20000.PDTC5+2
524 2636 000435 BR D160Z
525 2640 005767 D160B: TST DSFLG8
526 2644 001432 BEQ D160Z
527 2646 005767 TST DSCTR8
528 2652 001003 BNE D160C
529 2654 012767 MOV #410.DSCTR8
530 2662 105367 D160C: DECB DSCTR8

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531 2666 100021      BPL      D160Z
532 2670 004567      JSR      R5,MOV C3
533 2674 005554      .WORD    NAUGHT,1,0
534 2702 005067      CLR      DSCTR0
535 2706 005067      CLR      DSFLG8
536 2712 042767      BIC      #100,PDT C3
537 2720 005067      CLR      IFLAG Y
538 2724 042767      BIC      #20000,PDT C3+2
539 2732 000205 D160Z: RTS      R5
540                ;
541                ;      ENABLE SENSORS TIMEOUT TEST
542                ;
543 2734 010446 ENBSEN: MOV      R4,-(SP)      ; SAVE ADDRESS REGISTER
544 2736 012704      MOV      #TCSEC D,R4      ; STORE ADDRESS OF TRANSCON TABLE
545 2742 004567      JSR      R5,CMD SUB      ; GO PROCESS
546 2746 012704      MOV      #GISEC D,R4      ; STORE ADDRESS OF GI TABLE
547 2752 004567      JSR      R5,CMD SUB
548 2756 012604      MOV      (SP)+,R4
549 2760 000205      RTS      R5
550                ;
551                ;      SUBROUTINE FOR TESTING TIMEOUT
552                ;
553 2762 005724 CMD SUB: TST      (R4)+      ; IS FLAG/BUFFER EMPTY?
554 2764 001443      BEQ      CMD SUO      ; YES, EXIT
555 2766 005324      DEC      (R4)+      ; NOT EMPTY, IS 1 SEC. CTR AT ZERO?
556 2770 100041      BPL      CMD SUO      ; NO, EXIT
557 2772 005314      DEC      (R4)      ; 1 SEC. COUNTER DONE, TIMES TRIED AT ZERO?
558 2774 100413      BMI      CMD SUB      ; NO, LOAD OUTPUT
559 2776 001012      BNE      CMD SUB      ; NO, LOAD OUTPUT COMMAND
560 3000 004567      JSR      R5,SAV REG      ; SAVE REGISTERS
561 3004 016403      MOV      -4(R4),R3      ; GET COMMAND
562 3010 004567      JSR      R5,CMD SU1
563 3014 005064      CLR      -4(R4)      ; CLEAR FLAG BUFFER
564 3020 005014      CLR      (R4)      ; RESET COUNTER
565 3022 000422      BR      CMD SUB      ; GO RELEASE REGISTERS
566 3024 016467 CMD SUB: MOV      -4(R4),CMD BUF      ; GET COMMAND
567 3032 004567      JSR      R5,CMD O      ; LOAD IN COMMAND BUFFER
568 3036 012764      MOV      #60,-2(R4)      ; RESTART COUNTER
569 3044 012714      MOV      #3,(R4)      ; RESET TIMES TRIED COUNTER
570 3050 000411      BR      CMD SUO      ; GET OUT
571 3052 110367 CMD SUA: MOV B      R3,CMD SUA+10      ; GET VEHICLE ID AND STORE IN BUFFER
572 3056 004267      JSR      R2,BASEC I      ; LOAD ERROR COMMAND
573 3062 000      .BYTE      0,0,24,71.
574 3066 000402      BR      CMD SUO
575 3070 004567 CMD SUB: JSR      R5,RST REG      ; RESTORE REGISTERS
576 3074 000205 CMD SUO: RTS      R5      ; RETURN
577                ;
578                ;      BIT SET SUBROUTINE
579                ;
580 3076 006003 CMD SU1: ROR      R3      ; REFORMAT
581 3100 006003      ROR      R3
582 3102 006003      ROR      R3
583 3104 006003      ROR      R3

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584 3106 042703      BIC      #177700,R3      ; CLEAR ALL BITS BUT VEHICLE ID
585 3112 004567      JSR      R5,VALVID      ; GET VSTAT ADDRESS = R2
586 3116 005701      TST      R1              ; IS VEHICLE VALID
587 3120 001354      BNE      CMDSUA          ; NO, DECLARE ERROR
588 3122 042762      BIC      #400,2(R2)      ; CLEAR ACKNOWLEDGE PENDING
589 3130 042762      BIC      #10000,4(R2)     ; CLEARENABLE SENSORS (NORMAL)
590 3136 042762      BIC      #176000,12(R2)   ; CLEAR ALL PENDING FLAGS AND RAM LOAD
591 3144 052762      BIS      #400,12(R2)     ; SET DISABLED SENSORS EXIST
592 3152 042762      BIC      #3400,24(R2)    ; CLEAR ENABLE SENSORS COUNTER
593 3160 052762      BIS      #100000,24(R2)  ; SET BAD RAM LOAD FLAG
594 3166 042762      BIC      #20,26(R2)     ; CLEAR YARD EXIT IN PROCESS FLAG
595 3174 052762      BIS      #20000,26(R2)   ; SET RAM NOT LOADED FLAG
596 3202 000205      RTS      R5
597                ;
598                ;      ENABLE NORMAL MODE POLL OF VEHICLE ON START-UP
599                ;
600 3204 004567 ENBNOR: JSR      R5,SAVREG      ; SAVE REGISTERS
601 3210 012700      MOV      #TCLRCD,R0      ; GET ADDRESS OF TRANSCON TABLE
602 3214 004567      JSR      R5,ENBSUB       ; GO PROCESS DATA
603 3220 012700      MOV      #GILRCD,R0      ; GET ADDRESS OF GI TABLE
604 3224 004567      JSR      R5,ENBSUB       ; GO PROCESS DATA
605 3230 004567      JSR      R5,R5TREG       ; RESTORE REGISTERS
606 3234 000205      RTS      R5              ; RETURN
607                ;
608                ;      ENABLE LOCATION SUBROUTINE
609                ;
610 3236 005720 ENBSUB: TST      (R0)+          ; IS BUFFER/FLAG SET?
611 3240 001426      BEQ      ENBSUO          ; NO, GETOUT
612 3242 005320      DEC      (R0)+          ; IS COUNTER AT ZERO?
613 3244 100024      BPL      ENBSUO          ; NO, GET OUT
614 3246 005320      DEC      (R0)+          ; IS TIMES TRIED AT ZERO?
615 3250 100012      BPL      ENBSUA          ; NO, GO AROUND
616 3252 011001      MOV      (R0),R1        ; GET VSTAT ADDRESS
617 3254 052761      BIS      #11,2(R1)      ; SET NORMAL MODE
618 3262 042761      BIC      #4000,24(R1)    ; CLEAR START-UP IN PROCESS
619 3270 005060      CLR      -6(R0)          ; CLEAR BUFFER/FLAG
620 3274 000410      BR       ENBSUO          ; GO TO PROCESS
621 3276 016067 ENBSUA: MOV      -6(R0),CMDBUF  ; STORE OUTPUT DATA
622 3304 004567      JSR      R5,CMDO        ; CALL OUTPUT ROUTINE
623 3310 012760      MOV      #60,-4(R0)     ; INITIALIZE COUNTER
624 3316 000205 ENBSUO: RTS      R5
625                ;
626                ;      TEN-SECOND COUNTER FOR DISPATCH STATIONS
627                ;
628 3320 012701 D10SEC: MOV      #DCTRT1,R1
629 3324 105067      CLRB      D10SEB
630 3330 005767      TST      DFLGT1
631 3334 001413      BEQ      D10SEA
632 3336 005311 D10SED: DEC      (R1)
633 3340 100010      BPL      D10SEF
634 3342 004267      JSR      R2,DSPCMI
635 3346 000000 D10SEB: .WORD 0,35.
636 3352 012711      MOV      #900,(R1)

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```
637 3356 005061 CLR 4(R1)
638 3362 000205 D10SEF: RTS R5
639 3364 005721 D10SEA: TST (R1)+
640 3366 005267 INC D10SEB
641 3372 005767 TST DFLGG1
642 3376 001771 BEQ D10SEF
643 3400 000756 BR D10SED
```

```
644 ;
645 ; TWO SECOND COUNTER FOR YARD ENTRY
646 ;
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```
647 3402 005767 DYDENT: TST DYDTC
648 3406 001425 BEQ DYDENA
649 3410 005367 DEC DYDTCR
650 3414 100022 BPL DYDENA
651 3416 005367 DEC DYDTCX
652 3422 016767 MOV DYDTC,CMDBUF
653 3430 004567 JSR R5,CMD0
654 3434 005767 TST DYDTCX
655 3440 100005 BPL DYDENB
656 3442 012767 MOV #10.,DYDTCX
657 3450 005067 CLR DYDTC
658 3454 012767 DYDENB: MOV #120.,DYDTCR
659 3462 005767 DYDENA: TST DYDGI
660 3466 001425 BEQ DYDENO
661 3470 005367 DEC DYDGI R
662 3474 100022 BPL DYDENO
663 3476 005367 DEC DYDGI X
664 3502 016767 MOV DYDGI,CMDBUF
665 3510 004567 JSR R5,CMD0
666 3514 005767 TST DYDGI X
667 3520 100005 BPL DYDENC
668 3522 005067 CLR DYDGI
669 3526 012767 MOV #10.,DYDGI X
670 3534 012767 DYDENC: MOV #120.,DYDGI R
671 3542 000205 DYDENO: RTS R5
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```
672 ;
673 ; SUB-PROCESS TO WRITE OUT VOLITILE FILES
674 ;
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```
675 3544 005367 S10MIN: DEC C10CTR
676 3550 100045 BPL S10MIO
677 3552 105767 TSTB BSFLAG+1
678 3556 001403 BEQ S10MIA
679 3560 005267 S10MIB: INC C10CTR
680 3564 000437 BR S10MIO
681 3566 012700 S10MIA: MOV #BUFK2,R0
682 3572 111001 MOVB (R0),R1
683 3574 042701 BIC #177400,R1
684 3600 116002 MOVB 3(R0),R2
685 3604 042702 BIC #177400,R2
686 3610 062702 ADD #3,R2
687 3614 020102 CMP R1,R2
688 3616 100760 BMI S10MIB
689 3620 162702 SUB #3,R2
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690 3624 112762      MOVB    #117,BUFK2+4(R2)
691 3632 005202      INC     R2
692 3634 112762      MOVB    #126,BUFK2+4(R2)
693 3642 005202      INC     R2
694 3644 110267      MOVB    R2,BUFK2+3
695 3650 052767      BIS     #1000,BSFLAG
696 3656 012767      MOV     #32766.,C10CTR
697 3664 000205      S10MIO: RTS    R5
698 3666 077776      C10CTR: .WORD 32766.
699                ;
700                ;.SBTTL  CTIME2
701                ;
702                ;      CTIME2  = CLOCK INTERRUPT PROCESSOR -- CARGO SECURITY
703                ;
704                ;      OBJECT:  TO PROCESS CLOCK INTERRUPTS
705                ;
706                ;      THIS ROUTINE ACCEPTS INTERRUPTS FROM THE LINE FREQUENCY CLOCK
707                ;      AND MAINTAINS SYSTEM TIME INCLUDING DATE REGISTERS.  IN ADDITION,
708                ;      THIS ROUTINE INTERFACES WITH THE SCHEDULER FOLLOWING EACH TIC
709                ;      INTERRUPT.
710                ;
711                ;      THIS ROUTINE IS AUTOMATICALLY CALLED WHENEVER AN INTERRUPT OCCURS
712                ;
713                ;      .GLOBL  CTIME2,SCHED1
714                ;      .GLOBL  HOURS,MINS,SECS,HALF,JCLNDR,DATE,DATESI,CTIME
715                ;
716                ;      DECREMENT AND TEST TIC COUNTER
717                ;
718 3670 005367      CTIME2: DEC     TICCTR      ; DECREMENT TIC COUNTER
719 3674 001402      BEQ     C2A      ; NOT AT ZERO, GO AROUND
720 3676 000167      JMP     TIMUP
721 3702 010346      C2A:  MOV     R3,-(SP)      ; SAVE
722 3704 010446      MOV     R4,-(SP)      ; REGISTERS
723 3706 062767      ADD     #59.,TICCTR      ; RESET TIC COUNTER
724                ;
725                ;      PROCESS SECONDS INFORMATION
726                ;
727 3714 005267      INC     SECS      ; UPDATE SECONDS BUFFER
728 3720 022767      CMP     #59.,SECS      ; AT LIMIT?
729 3726 100171      BPL     TIMUP3      ; NO, GO AROUND
730 3730 005067      CLR     SECS      ; RESET MINUTES REGISTER
731                ;
732                ;      PROCESS MINUTES INFORMATION
733                ;
734 3734 005267      INC     MINS      ; UPDATE MINUTES BUFFER
735 3740 022767      CMP     #59.,MINS      ; AT LIMIT?
736 3746 100161      BPL     TIMUP3      ; NO, GO AROUND
737 3750 005067      CLR     MINS      ; RESET MINUTES REGISTER
738                ;
739                ;      PROCESS HOURS INFORMATION
740                ;
741 3754 005267      INC     HOURS      ; UPDATE HOURS BUFFER
742 3760 022767      CMP     #12.,HOURS      ; TEST FOR HALF DAY ROLLOVER

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743 3766 100151      BPL      TIMUP3      ; NO. GO AROUND
744 3770 012767      MOV      #1,HOURS    ; RESET HOURS TO 1
745 3776 005767      TST      HALF        ; TEST FOR AM(=1) OR PM(=0)
746 4002 001403      BEQ      C1A         ; IF AM BRANCH
747 4004 005067      CLR      HALF
748 4010 000403      BR       DATROL      ; MUST UPDATE DATE BUFFERS
749 4012 005267 C1A:  INC      HALF        ; SET PM
750 4016 000535      BR       TIMUP3      ; GO TO GETOUT
751                ;
752                ; ROLL INPUT DATE INFORMATION IN THE JULIAN CALANDER AND DATA
753                ; RECORDING DATE WORD. FORMAT OF THE DATA IS GIVEN IN DATEST
754                ; JCLNDR = JULIAN CALANDER WORD
755                ; DATE = COMPACTED DATE WORD
756                ;
757                ; TEST FOR JULIAN CALANDER ROLL OVER
758                ;
759 4020 005267 DATROL: INC      MTFIL+4
760 4024 005267      INC      TDFIL
761 4030 026727      CMP      TDFIL,#3
762 4036 100402      BMI      D6
763 4040 005067      CLR      TDFIL
764 4044 012703 D6:   MOV      #VSTAT+24,R3
765 4050 042713 D7:   BIC      #10000,(R3)
766 4054 066703      ADD      LNGVST,R3
767 4060 020327      CMP      R3,#VSTEND
768 4064 100771      BMI      D7
769 4066 005267      INC      JCLNDR      ; INCREMENT THE JULIAN CALANDER
770 4072 012703      MOV      #DATE,R3    ; GET ADDRESS OF DATE
771 4076 016704      MOV      JCLNDR,R4    ; GET JULIAN CALANDER
772 4102 042704      BIC      #177000,R4  ; CLEAR YEAR BITS
773 4106 022704      CMP      #364.,R4    ; IS THE END OF YEAR PRESENT?
774 4112 001017      BNE      D1          ; NO. GO TO MONTH PROCESSING
775 4114 062767      ADD      #1000,JCLNDR ; INCREMENT YEAR
776 4122 042767      BIC      #777,JCLNDR ; CLEAR DAY BUFFER
777 4130 005267      INC      JCLNDR      ; SET DAY = 1
778 4134 062713      ADD      #1000,(R3)   ; INCREMENT YEAR COUNTER IN DATE
779 4140 042713      BIC      #777,(R3)    ; CLEAR MONTH AND DAY FIELDS
780 4144 152713      BISB     #41,(R3)    ; SET MONTH AND DAY TO 1 AND 1
781 4150 000460      BR       TIMUP3      ; GO TO GETOUT
782                ;
783                ; TEST FOR DAY COUNT LESS THAN 28. IF SO. UPDATE DAY ONLY
784                ;
785 4152 011304 D1:   MOV      (R3),R4      ; STORE DATE
786 4154 042704      BIC      #177740,R4  ; CLEAR NONE DAY BITS
787 4160 022704      CMP      #28.,R4      ; CURRENT VALUE LESS THAN 28
788 4164 100001      BPL      D2          ; NO. GO TO MONTH TEST
789 4166 000450      BR       TIMUP2      ; YES. UPDATE DAY AND GETOUT
790                ;
791                ; NEED TO TEST THE MONTH ON THE CALANDER FOR FEBRUARY
792                ;
793 4170 011304 D2:   MOV      (R3),R4      ; GET DATE WORD
794 4172 042704      BIC      #177037,R4  ; LEAVE ONLY MONTH FIELD
795 4176 022704      CMP      #100,R4      ; IS MONTH FEBRUARY?

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796 4202 001001      BNE      D3          ; IS MONTH FEBRUARY?
797 4204 000435      BR       D5          ; YES, INCREMENT MONTH
798                  ;
799                  ; NOT FEBRUARY, IS DAY LESS THAN 31, IF SO, UPDATE DAY ONLY
800                  ;
801 4206 011304 D3:   MOV      (R3),R4      ; GET DATE WORD
802 4210 042704      BIC      #177740,R4   ; LEAVE ONLY DAY FIELD
803 4214 022704      CMP      #30.,R4      ; IS DAY LESS THAN 31.,NOT FEB.
804 4220 100001      BPL      D4          ; NO, GO TO NEXT TEST
805 4222 000432      BR       TIMUP2      ; YES, UPDATE DAY AND GETOUT
806                  ;
807                  ; TEST FOR CURRENT MONTH, IF APRIL, JUNE, SEPT., OR NOV., NEED TO
808                  ; ROLL THE MONTH AND DAY RESET
809                  ;
810 4224 011304 D4:   MOV      (R3),R4      ; GET DATE WORD
811 4226 042704      BIC      #177037,R4   ; CLEAR ALL BUT MONTH FIELD
812 4232 022704      CMP      #200,R4      ; IS MONTH APRIL (0100)?
813 4236 001420      BEQ      D5          ; YES, GO ROLL MONTH
814 4240 022704      CMP      #300,R4      ; IS MONTH JUNE (0110)?
815 4244 001415      BEQ      D5          ; YES, GO ROLL MONTH
816 4246 022704      CMP      #440,R4      ; IS MONTH SEPT. (1001)?
817 4252 001412      BEQ      D5          ; YES, GO ROLL MONTH
818 4254 022704      CMP      #540,R4      ; IS MONTH NOV. (1011)?
819 4260 001407      BEQ      D5          ; YES, GO ROLL MONTH
820                  ;
821                  ; CURRENT MONTH HAS 31 DAYS, TEST FOR AT 31, IF SO, ROLL MONTH, IF
822                  ; NOT, INCREMENT DAY ONLY
823                  ;
824 4262 011304      MOV      (R3),R4      ; GET DATE WORD
825 4264 042704      BIC      #177740,R4   ; CLEAR ALL BUT DAY FIELD
826 4270 022704      CMP      #31.,R4      ; DAY = 31.
827 4274 100001      BPL      D5          ; YES, MUST ROLL DAY AND MONTH
828 4276 000404      BR       TIMUP2      ; NO, ROLL DAY ONLY
829                  ;
830                  ; ROLL MONTH FIELD
831                  ;
832 4300 062713 D5:   ADD      #40,(R3)      ; INCREMENT MONTH
833 4304 042713      BIC      #37,(R3)      ; CLEAR DAY FIELD
834                  ;
835                  ; INCREMENT DAY FIELD, RESTORE REGISTERS AND GO TO SCHEDULER
836                  ;
837 4310 005213 TIMUP2: INC      (R3)          ; INCREMENT DAY FIELD
838 4312 005067 TIMUP3: CLR      CTIME
839 4316 116767      MOV8     MINS,CTIME    ; GET MINUTES
840 4324 000367      SWAB     CTIME        ; FORMAT
841 4330 006267      ASR      CTIME        ; AND
842 4334 006267      ASR      CTIME        ; STORE
843 4340 116767      MOV8     HOURS,CTEMP   ; GET HOURS
844 4346 006367      ASL      CTEMP        ; FORMAT
845 4352 006367      ASL      CTEMP        ; AND
846 4356 006367      ASL      CTEMP        ; STORE
847 4362 006367      ASL      CTEMP
848 4366 000367      SWAB     CTEMP

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049 4372 056767      BIS      CTEMP,CTIME
050 4400 056767      BIS      SECS,CTIME      ; STORE SECONDS
051 4406 012604 TIMUP1: MOV      (SP)+,R4      ; RESTORE
052 4410 012603      MOV      (SP)+,R3      ; REGISTERS
053 4412 000167 TIMUP: JMP      SCHED1      ; GO TO SCHEDULER
054
055      ;
056      ; STORAGE ALLOCATION
057 4416 000074 TICCTR: .WORD    60.      ; TIC COUNTER
058 4420 000000 CTIME:  .WORD    0
059 4422 000000 CTEMP:  .WORD    0
060
061      ; SBTTL DATEST
062
063      ; DATEST = DATE TEST SUBROUTINE - CARGO SECURITY
064
065      ; OBJECT: TO TEST DATE ENTRIES ON THE BASE STATION KEYBOARD FOR
066      ; PROPER FORMAT AND DATA.
067
068      ; THIS ROUTINE PROCESSES DATA IN BUFK2 (INPUT BUFFER FOR KEYBOARD)
069      ; TO DETERMINE IF:
070      ; 1. CHARACTER SPACING IS CORRECT
071      ; 2. MONTH CHARACTERS ARE FORMATTED PROPERLY
072      ; 3. DATE IS REASONABLE
073      ; AND 4. YEAR IS GREATER THAN 76
074      ; THE CALL TO THIS ROUTINE IS:
075      ; JSR      R5,DATEST
076      ; INPUT BUFFER ADDRESS
077      ; ERROR ADDRESS
078      ; RETURN
079      ; REGISTERS ARE SAVED AND RESTORED
080      ; THIS ROUTINE ALSO STORES PACKED DATE INFORMATION FOR THE
081      ; JULIAN CALANDER ALGORITHMS, DATE INFORMATION FOR DATA LOGGING
082      ; JULIAN CALANDER = 7 MSBYTES ARE YEAR (0-128)
083      ; 9 LSBYTES ARE DAY (0-512)
084      ; PACKED DATE = 5 LSBYTES FOR DAY
085      ; NEXT 4 BYTES FOR MONTH
086      ; NEXT 7 BYTES FOR YEAR
087
088      ; .GLOBL DATEST,MONTHR,JCLNDR,DATE,ASCBIN,IRAD50,SAVREG,RSTREG
089
090 4424 000240 DATEST: NOP      ; RESERVED FOR CHECKOUT
091 4426 010546      MOV      R5,-(SP)      ; SAVE RETURN
092 4430 011567      MOV      (R5),BFPTR      ; STORE BUFFER ADDRESS
093 4434 004567      JSR      R5,SAVREG      ; SAVE REGISTERS
094 4440 005267      INC      TIC      ; SET RETURN POINTER
095 4444 062767      ADD      #2,BFPTR      ; OFFSET POINTER BY THE DA CHAR.
096 4452 016704      MOV      BFPTR,R4      ; STORE POINTER
097
098      ;
099      ; TEST FOR POSITION OF DASHES, THE EXPECTED FORMAT IS:
100      ; DD-MMM-77
101 4456 122764      CMPB     #55,2(R4)      ; FIRST DASH THERE?

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902 4464 001162      BNE    DATNO          ; FORMAT ERROR
903 4466 122764      CMPB   #55,6(R4)      ; SECOND DASH THERE?
904 4474 001156      BNE    DATNO          ; FORMAT ERROR
905 4476 122764      CMPB   #15,11(R4)     ; CARRIAGE RETURN THERE?
906 4504 001152      BNE    DATNO          ; FORMAT ERROR
907
908
909
910
          ;
          ;      CONVERT MONTH TO RAD50 FORMAT, TEST AGAINST ALLOWED FORMATS, AND
          ;      POINT TO MONTH NUMBER
911 4506 016767      MOV     BFPTR,T1+4      ; STORE INPUT ADDRESS
912 4514 062767      ADD     #3,T1+4        ; POINT TO MONTH CHARACTERS
913 4522 012705      MOV     #T1,R5        ; STORE PARAMETER LIST ADDRESS
914 4526 004767      JSR     PC,IRAD50      ; CONVERT TO RAD50 FORMAT
915 4532 012700      MOV     #MONTHR,R0     ; GET ADDRESS OF VALID MONTH TBL
916 4536 005001      CLR     R1            ; SET MONTH COUNTER
917 4540 026720 DAT1:  CMP     T1B,(R0)+     ; TEST FOR VALID MONTH CHARACTER
918 4544 001405      BEQ     DAT2          ; OK, GO TO DATE TEST
919 4546 005201      INC     R1            ; INCREMENT MONTH COUNTER
920 4550 020027      CMP     R0,#TEND       ; AT END OF BUFFER?
921 4554 100771      BNEI    DAT1          ; NO, TRY AGAIN
922 4556 000525      BR      DATNO         ; OH, OH - ERROR
923
924
          ;      TEST FOR DAYS OF MONTH
          ;      1. CONVERT ASCII DAY TO BINARY
          ;      2. TEST FOR NONE ZERO
925
926
          ;      AND
          ;      3. TEST FOR LIMIT BY MONTH
927
928
929 4560 010100 DAT2:  MOV     R1,R0          ; GET MONTH NUMBER
930 4562 005200      INC     R0            ; SET POINTER TO PROPER MONTH
931 4564 016767      MOV     BFPTR,BUFF2    ; STORE ADDRESS OF INPUT
932 4572 004567      JSR     R5,ASCBIN      ; CONVERT DATA TO BINARY
933 4576 005134' BUFF2: .WORD  BUFF        ; ADDRESS OF BUFFER
934 4600 005704      TST     R4            ; TEST FOR ZERO DAY
935 4602 001513      BEQ     DATNO         ; YES, ERROR
936 4604 022700      CMP     #2,R0         ; IS MONTH FEBRUARY?
937 4610 001424      BEQ     DAT4          ; YES, GO TEST DAYS
938 4612 022700      CMP     #4,R0         ; IS MONTH APRIL?
939 4616 001415      BEQ     DAT3          ; YES, GO TEST FOR 30 DAYS
940 4620 022700      CMP     #6,R0         ; IS MONTH JUNE?
941 4624 001412      BEQ     DAT3          ; YES, GO TEST FOR 30 DAYS
942 4626 022700      CMP     #11,R0        ; IS MONTH SEPTEMBER?
943 4632 001407      BEQ     DAT3          ; YES, GO TEST FOR 30 DAYS
944 4634 022700      CMP     #13,R0        ; IS MONTH NOVEMBER?
945 4640 001404      BEQ     DAT3          ; GO TEST FOR 30 DAYS
946 4642 022704      CMP     #31,,R4       ; AT 31 DAY LIMIT
947 4646 100011      BPL     DAT5          ; OK, GO PROCESS
948 4650 000470      BR      DATNO         ; ERROR
949 4652 022704 DAT3:  CMP     #30,,R4     ; AT 30 DAY LIMIT
950 4656 100005      BPL     DAT5          ; OK, GO PROCESS
951 4660 000464      BR      DATNO         ; ERROR
952 4662 022704 DAT4:  CMP     #28,,R4     ; AT 28 DAY LIMIT
953 4666 100001      BPL     DAT5          ; OK, GO PROCESS
954 4670 000460      BR      DATNO         ; ERROR

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955      ;
956      ;      TEST FOR YEAR, PACK JULIAN CALANDER, AND INITIALIZE DATE
957      ;      R4 = NO. OF DAYS
958      ;      R0 = MONTH
959      ;
960 4672 010401 DAT5:  MOV     R4,R1      ; STORE DAYS
961 4674 016737      MOV     BFPTR,BUFF1  ; GET ADDRESS OF DATA
962 4702 062767      ADD     #7,BUFF1    ; SET POINTER
963 4710 004567      JSR     R5,ASCBIN   ; CONVERT TO BINARY
964 4714 004714*BUFF1: .WORD    BUFF1    ; ADDRESS OF INPUT
965 4716 022704      CMP     #76.,R4     ; BIG ENOUGH NUMBER?
966 4722 100043      BPL     DATNO       ; NO. ERROR
967 4724 005067      CLR     TIC        ; RESET FLAG
968 4730 010167      MOV     R1,JCLNDR   ; STORE CURRENT DAYS
969 4734 006304      ASL     R4          ; SHIFT YEAR
970 4736 110467      MOVB    R4,JCLNDR+1 ; STORE YEAR
971 4742 005003      CLR     R3         ; CLEAR COUNTER
972 4744 012702      MOV     #BUFF,R2   ; STORE ADDRESS OF BYTE ORIENTED BUFFER
973 4750 005203 DAT6:  INC     R3        ; SET COUNTER
974 4752 020300      CMP     R3,R0      ; AT RIGHT MONTH?
975 4754 001406      BEQ     DAT7       ; YES, GO INCREMENT
976 4756 112267      MOVB    (R2)+,DTEMP ; STORE DATA IN DTEMPORARY BUFFER
977 4762 066767      ADD     DTEMP,JCLNDR ; ADD NEXT MONTHS LIMIT
978 4770 000767      BR      DAT6       ; TRY AGAIN
979      ;
980      ;      INITIALIZE DATE WORD
981      ;      BYTES 0-4 = DAY - R1
982      ;      BYTES 5-8 = MONTH - R0
983      ;      BYTES 9-15 = YEAR - R4
984      ;
985 4772 010167 DAT7:  MOV     R1,DATE    ; STORE DAY
986 4776 006300      ASL     R0          ; SHIFT MONTH DATA
987 5000 006300      ASL     R0
988 5002 006300      ASL     R0
989 5004 006300      ASL     R0
990 5006 006300      ASL     R0
991      ;
992 5010 110467      MOVB    R4,DATE+1   ; STORE YEAR
993 5014 110167      MOVB    R1,DATE    ; STORE DAY
994 5020 060067      ADD     R0,DATE     ; STORE MONTH
995 5024 016767      MOV     DATE,DATESI
996      ;
997      ;      CLEAN-UP AND EXIT
998      ;
999 5032 004567 DATNO: JSR     R5,RSTREG ; RESTORE REGISTERS
1000 0036 012605      MOV     (SP)+,R5
1001 0040 005725      TST     (R5)+     ; BUMP POINTER
1002 0042 005767      TST     TIC       ; ERROR TEST
1003 0046 001001      BNE     DAT8      ; OH, OH ~ ERROR
1004 0050 005725      TST     (R5)+     ; NO, BUMP POINTER
1005 0052 005067 DAT8:  CLR     TIC      ; RESET FLAG
1006 0056 000205      RTS     R5       ; RETURN
1007      ;

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1008      ;      STORAGE ALLOCATION
1009      ;
1010 060 000003 T1:      .WORD      3      ; PARAMETER LIST FOR RAD50
1011 062 005072      .WORD      T1A
1012 064 005070      .WORD      BFPTR
1013 066 005074      .WORD      T1B
1014 070 000000 BFPTR:  .WORD      0
1015 072 000003 T1A:   .WORD      3
1016 074 000000 T1B:   .WORD      0
1017 076 000000 TIC:   .WORD      0
1018 100 037266 MONTHR: .RAD50  /JANFEBMARAPRMYJUNJULAUGSEPOCTNOVDEC/
1019 130 000000 TEND:   .WORD      0
1020 132 000000 JCLNDR: .WORD      0
1021 134      037 BUFF:  .BYTE     31..28..31..30..31..30..31..31..30..31..30..31.
1022 150 000000 DATE:   .WORD      0
1023 152 000000 DATESI: .WORD      0
1024 154 000000 DTEMP:  .WORD      0
1025      ;
1026      .SBTTL  TIMTST
1027      ;
1028      ;      TIMTST = TIME INPUT TEST ROUTINE -- CARGO SECURITY
1029      ;
1030      ;      OBJECT: TO TEST THE FORMAT OF THE SYSTEM TIME INPUT, TEST THE
1031      ;      VALIDITY OF THE INPUT, AND INITIALIZE THE TIME DATA
1032      ;      BUFFERS.
1033      ;
1034      ;      THE CALL TO THIS ROUTINE HAS THE FOLLOWING FORMAT
1035      ;      JSR      R5,TIMTST
1036      ;      .WORD    INPUT BUFFER ADDRESS STARTING AT HH
1037      ;      .WORD    ERROR FLAG
1038      ;      THE INPUT FORMAT IS: TIIHHMMSSK
1039      ;      WHERE:   TI = INPUT TYPE
1040      ;      HH = HOURS ON 12 HOUR CLOCK
1041      ;      MM = MINUTES LESS THAN 60
1042      ;      SS = SECONDS LESS THAN 60
1043      ;      K = A FOR AM, P FOR PM
1044      ;      NO TEST IS MADE FOR THE TI INPUT
1045      ;      ALL DATA IS ASCII WITHOUT PARITY
1046      ;
1047      .GLOBL  TIMTST,ASCBIN,SAVREG,RSTREG      ; SUBROUTINES
1048      .GLOBL  HOURS,MINS,SECS,HALF             ; VARIABLES
1049      ;
1050 156 000240 TIMTST: NOP      ; RESERVED FOR CHECKOUT
1051 160 010546      MOV      R5,-(SP)      ; SAVE RETURN ADDRESS
1052 162 010567      MOV      R5,TEMP1     ; SAVE ADDRESS
1053 166 004567      JSR      R5,SAVREG     ; SAVE REGISTER
1054 172 016705      MOV      TEMP1,R5     ; RESTORE POINTER
1055 176 012767      MOV      #1,TTTEMP    ; SET POINTER
1056      ;
1057      ;      TEST AND STORE HOURS INPUT
1058      ;
1059 204 011567      MOV      (R5),TBUF      ; STORE DATA ADDRESS
1060 210 062767      ADD      #2,TBUF        ; ADD OFFSET FOR TI CHAR.

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1061 216 004567 JSR R5,ASCBIN ; CONVERT TO BINARY
1062 222 000000 TBUF: .WORD 0 ; ADDRESS OF INPUT
1063 224 020427 CMP R4,#13. ; MOVE THAN 12 HOURS
1064 230 100056 BPL TER1 ; OH, OH - ERROR
1065 232 010467 MOV R4,HOURS ; STORE HOURS BINARY
1066 ;
1067 ; TEST AND STORE MINUTES INPUT
1068 ;
1069 236 011567 MOV (R5),TBUF1 ; INCREMENT ADDRESS
1070 242 062767 ADD #4,TBUF1 ; ADD OFFSET FOR TI CHAR.
1071 250 004567 JSR R5,ASCBIN ; CONVERT TO BINARY
1072 254 000000 TBUF1: .WORD 0 ; ADDRESS OF INPUT
1073 256 020427 CMP R4,#60. ; MORE THAN 60 MINUTES
1074 262 100041 BPL TER1 ; OH, OH - ERROR
1075 264 010467 MOV R4,MINS ; STORE MINUTES BINARY
1076 ;
1077 ; TEST AND STORE SECONDS INPUT
1078 ;
1079 270 011567 MOV (R5),TBUF2 ; INCREMENT ADDRESS
1080 274 062767 ADD #6,TBUF2 ; ADD OFFSET FOR TI CHAR.
1081 302 004567 JSR R5,ASCBIN ; CONVERT TO BINARY
1082 306 000000 TBUF2: .WORD 0 ; ADDRESS OF INPUT
1083 310 020427 CMP R4,#60. ; MORE THAN 60 SECONDS
1084 314 100024 BPL TER1 ; OH, OH - ERROR
1085 316 010467 MOV R4,SECS ; STORE SECONDS BINARY
1086 ;
1087 ; TEST AND STORE DAY HALF
1088 ;
1089 322 011504 MOV (R5),R4 ; STORE ADDRESS
1090 324 122764 CMPB #120,10(R4) ; LETTER P?
1091 332 001405 BEQ T1X ; OK, LET'S GO
1092 334 122764 CMPB #101,10(R4) ; LETTER A?
1093 342 001401 BEQ T1X ; OK, LET'S GO
1094 344 000410 BR TER1 ; ERROR RETURN
1095 ;
1096 ; CLEAN UP AND GET OUT
1097 ;
1098 346 016467 T1X: MOV 10(R4),HALF ; STORE TIME: 1=AM, 0=PM OR LSB
1099 354 005067 CLR TTTEMP ; RESET FLAG
1100 360 042767 BIC #177770,HALF ; CLEAR INSIGNIFICANT BITS
1101 366 004567 TER1: JSR R5,RSTREG ; RESTORE REGS
1102 372 012605 MOV (SP)+,R5
1103 374 005725 TST (R5)+ ; BUMP POINTER
1104 376 005767 TST TTTEMP ; NO ERROR?
1105 402 001001 BNE T2X ; ERROR, GO AROUND
1106 404 005725 TST (R5)+ ; BUMP POINTER
1107 406 000205 T2X: RTS R5 ; RETURN
1108 ;
1109 ; STORAGE ALLOCATION
1110 ;
1111 410 000000 HOURS: .WORD 0 ; BINARY HOURS
1112 412 000000 MINS: .WORD 0 ; BINARY MINUTES
1113 414 000000 SECS: .WORD 0 ; BINARY SECONDS

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1114 416 000000 HALF:	.WORD	0	: 1 = AM, 0 = PM
1115 420 000000 TTTEMP:	.WORD	0	: PROCESSOR POINTER
1116 422 000000 TEMP1:	.WORD	0	
1117	:		
1118	:		
1119	:		
1120	:		
1121 424 010000 ERAFGP:	.WORD	10000	: FLAG FOR REMOTE ALARM ARM REQUEST
1122 426 000000 RAVCOM:	.WORD	0.0	: FLAG AND COMMAND FOR VEHICLE IN REMOTE
1123	:		: ALARM MODE
1124 432 000000 PHSROL:	.WORD	0	: AMPHASE ROLLOVER RESPONSE BUFFER
1125 434 177105 SCHED:	.WORD	177105	: SCHEDULER PROCESSING WORD
1126 436 000534 PTR:	.WORD	NORMAL	: NORMAL SLOW POLLING
1127 440 001002	.WORD	REMOTE	: REMOTE ALARM ALLOW POLLING
1128 442 001160	.WORD	ALBELL	: ALARM BELLS
1129 444 001410	.WORD	RSUPDT	: DISPATCH STATION ROUTE STATUS
1130 446 001426	.WORD	DSPLRD	: DISPATCH STATION RELOAD
1131 450 001460	.WORD	VCMDEN	: VEHICLE CMDS FOR YARD ENTRY
1132 452 001464	.WORD	DENT32	: DISPATCH STATION RENTRY-434MS
1133 454 001650	.WORD	DENT4	: DISPATCH STATION RENTRY-4M
1134 456 001774	.WORD	ACKN	: ACKNOWLEDGE
1135 460 002110	.WORD	DENT2	: 32 MSEC ROUTINE
1136 462 002544	.WORD	D160	: 160 MSEC ROUTINE
1137 464 002734	.WORD	ENBSEN	: ENABLE SENSORS SUBROUTINE
1138 466 003204	.WORD	ENBNOR	: ENABLE NORMAL MODE START-UP
1139 470 003320	.WORD	D10SEC	
1140 472 003402	.WORD	DYDENT	
1141 474 003544	.WORD	S10MIN	
1142 476 000040 LIMIT:	.WORD	40	: NO. OF SUBROUTINES
1143 500 016037 NORCTR:	.WORD	7199.	: NORMAL MODE COUNTER
1144 502 000000 POLFLG:	.WORD	0	: POLL FLAG
1145 504 016037 RESET1:	.WORD	7199.	: NORMAL MODE 2 MIN. TIMER
1146 506 000024 RESET2:	.WORD	20.	: 1-HALF SECOND COUNTER
1147 510 000263 RESET3:	.WORD	179.	: 3-SECOND COUNTER
1148 512 000000 TEST:	.WORD	0	: SCHEDULER INDEX
1149 514 000000 TEST1:	.WORD	0	: SCHEDULER POINTER
1150 516 000073 G1CTR:	.WORD	59.	: G1 60 SEC. CTR
1151 520 000073 TCCTR:	.WORD	59.	: TRANSCON 60 SEC. CTR
1152 522 000000 POLADR:	.WORD	0	: NORMAL SLOW POLL ADDRESS
1153 524 034100 REMCTR:	.WORD	14400.	: REMOTE ALARM COUNTER
1154 526 000000 RPLFLG:	.WORD	0	: REMOTE ALARM POLLING FLAG
1155 530 034100 RTSTAT:	.WORD	14400.	: ROUTE STATUS UPDATE COUNTER
1156 532 000000 FLAG1:	.WORD	0	: ISC RELOAD PROCESSING FLAG
1157 534 000000 DSCTR1:	.WORD	0	: TC TRUCKING 434 MSEC COUNTER
1158 536 000000 DSCTR2:	.WORD	0	: G1 TRUCKING 434 MSEC COUNTER
1159 540 000000 DSCTR3:	.WORD	0	: TC TRUCKING 4 SEC COUNTER
1160 542 000000 DSCTR4:	.WORD	0	: G1 TRUCKING 4 SEC COUNTER
1161 544 000000 DSCTR5:	.WORD	0	: TC TRUCKING 32 MSEC COUNTER
1162 546 000000 DSCTR6:	.WORD	0	: G1 TRUCKING 32 MSEC COUNTER
1163 550 000000 DSCTR7:	.WORD	0	: TC TRUCKING 160 MSEC COUNTER
1164 552 000000 DSCTR8:	.WORD	0	: G1 TRUCKING 160 MSEC COUNTER
1165 554 000000 NAUGHT:	.WORD	0	: ANYTHING TO STOP BELL
1166 556 000000 DSFLG5:	.WORD	0	: 32 MSEC FLAG

1167	560	000000	DSFLG6:	.WORD	0	:	32 MSEC FLAG
1168	562	000000	DSFLG7:	.WORD	0	:	160 MSEC FLAG
1169	564	000000	DSFLG8:	.WORD	0	:	160 MSEC FLAG
1170	566	000000	TC1BEL:	.WORD	0	:	TRANSCON 1 BELL
1171	570	000000	TCMBEL:	.WORD	0	:	TRANSCON MULTIPLE BELLS
1172	572	000000	GI1BEL:	.WORD	0	:	GI 1 BELL
1173	574	000000	GIMBEL:	.WORD	0	:	GI MULTIPLE BELLS
1174	576	000000	DSCMD1:	.WORD	0.0.0	:	BUFR FOR CMD WRDS DSPCH #1
1175	604	000000	DSCMD2:	.WORD	0.0.0	:	BUFR FOR CMD WRDS DSPCH #2
1176	612	000000	GILRCD:	.WORD	0	:	GI LOCATION BUFFER/FLAG
1177	614	000000	GILRCT:	.WORD	0	:	GI LOCATION COUNTER
1178	616	000000	GILRTT:	.WORD	0	:	GI LOCATION TIMES TRIED COUNTER
1179	620	000000		.WORD	0	:	VSTAT ADDRESS
1180	622	000000		.WORD	0	:	VEHICLE ID
1181	624	000000	TCLRCD:	.WORD	0	:	TRANSCON LOCATION BUFFER/FLAG
1182	626	000000	TCLRCT:	.WORD	0	:	TRANSCON LOCATION COUNTER
1183	630	000000	TCLRTT:	.WORD	0	:	TRANSCON LOCATION TIMES TRIED COUNTER
1184	632	000000		.WORD	0	:	VSTAT ADDRESS
1185	634	000000		.WORD	0	:	VEHICLE ID
1186	636	000000	RVSTAT:	.WORD	0		
1187	640	000000	RLCTR2:	.WORD	0		
1188	642	000073	RLCTR3:	.WORD	59.		
1189	644	000005	DRCNTR:	.WORD	5		
1190	646	000000	GISECD:	.WORD	0	:	GI SENSOR ENABLE BUFFER/FLAG
1191	650	000074	GISECT:	.WORD	60.	:	GI SENSOR ENABLE COUNTER
1192	652	000000	GISETT:	.WORD	0	:	GI SENSOR ENABLE TIMES TRIED COUNTER
1193	654	000000	TCSECD:	.WORD	0	:	TRANSCON SENSOR ENABLE BUFFER/FLAG
1194	656	000074	TCSECT:	.WORD	60.	:	TRANSCON SENSOR ENABLE COUNTER
1195	660	000000	TCSETT:	.WORD	0	:	TRANSCON TIMES TRIED COUNTER
1196	662	001604	DCTRT1:	.WORD	900.		
1197	664	001604	DCTRG1:	.WORD	900.		
1198	666	000000	DFLGT1:	.WORD	0		
1199	670	000000	DFLGG1:	.WORD	0		
1200	672	000000	DYDGI:	.WORD	0		
1201	674	000000	DYDTC:	.WORD	0		
1202	676	000000	DYDGI:	.WORD	0		
1203	700	000170	DYDTCR:	.WORD	120.		
1204	702	000170	DYDGIR:	.WORD	120.		
1205	704	000012	DYDTCX:	.WORD	10.		
1206	706	000012	DYDGIX:	.WORD	10.		
1207							
1208			.SBTTL	SLOPCM			
1209							
1210				SLOPCM = SLOW POLL COMM COUNTERMEASURES AND STATUS DATA			
1211				-- CARGO SECURITY			
1212							
1213				OBJECT: TO PROCESS SCHEDULER CALLED DATA FOR SENSOR MILEAGE			
1214				AND LOCATION INPUTS TO UPDATE STATUS DATA AND MAINTAIN			
1215				COMMUNICATION WITH VEHICLE EQUIPMENT. THIS ROUTINE			
1216				CALLS OTHER ROUTINES FOR SUPPORT.			
1217							
1218			.GLOBL	SLOPCM,NORTNP,POLNXT,CLNUP,BASECI			
1219			.GLOBL	SLP3SF,SLPHSF,SLPSTF			

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1220 ;
1221 ;
1222 ;      SAVE REGISTERS AND PROCESS FLAGS
1223 710 005767 SLOPCM: TST      SLP3SF          ; IS 3 SEC NO FREE CHANNEL FLAG SET
1224 714 001403      BEQ      SL1              ; NO, GO AROUND
1225 716 004567      JSR      R5,NORTNP        ; GO TO NO RETURN PROCESSOR
1226 722 000422      BR       OUT1
1227 724 005767 SL1:  TST      SLPHSF          ; IS .5SEC FREE CHANNEL FLAG SET
1228 730 001403      BEQ      SL2              ; NO, GO AROUND
1229 732 004567      JSR      R5,POLNXT        ; POLL NEXT VEHICLE
1230 736 000414      BR       OUT1
1231 740 005767 SL2:  TST      SLPSTF          ; IS SLOW POLL START FLAG SET
1232 744 001403      BEQ      SL3              ; NO, GO TO ERROR
1233 746 004567      JSR      R5,CLNUP         ; GO TO CLEANUP
1234 752 000406      BR       OUT1
1235 754 004267 SL3:  JSR      R2,BASECI        ; OUTPUT ERROR
1236 760 000000      .WORD    0,0,24,,32.     ; MSG
1237 770 000205 OUT1: RTS      R5              ; RETURN
1238 ;
1239 ;      VARIABLES
1240 ;
1241 772 000000 SLP3SF: .WORD    0              ; 3 SEC FLAG
1242 774 000000 SLPHSF: .WORD    0              ; .5 SEC FLAG
1243 776 000000 SLPSTF: .WORD    0              ; CLEAN-UP FLAG
1244 ;
1245 .SBTTL  NORTNP
1246 ;
1247 ;      NORTNP = NO RETURN PROCESSOR -- CARGO SECURITY
1248 ;
1249 ;      OBJECT: TO OUTPUT ERROR MESSAGE TO BASE STATION, AND RESCHEDULE
1250 ;
1251 ;
1252 .GLOBL  NORTNP
1253 .GLOBL  BASECI,POLADR
1254 ;
1255 ;      OUTPUT ERROR MESSAGE WITH VEHICLE ID OF UNIT BEING POLLED
1256 ;
1257 000 016700 NORTNP: MOV      POLADR,R0        ; GET ADDRESS
1258 004 005710      TST      (R0)              ; IS ADDR NOT ZERO
1259 006 001422      BEQ      N1B              ; YES GET OUT
1260 010 015067      MOV      -2(R0),BSCMD1     ; GET VEHICLE ID
1261 016 006267      ASR      BSCMD1            ; SHIFT
1262 022 006267      ASR      BSCMD1            ; RIGHT
1263 026 006267      ASR      BSCMD1            ; 4
1264 032 006267      ASR      BSCMD1            ; BITS
1265 036 042767      BIC      #177700,BSCMD1   ; AND CLEAR NON-ID BITS
1266 044 004267      JSR      R2,BASECI        ; OUTPUT COMMAND
1267 050 000      BSCMD1: .BYTE    0,0,24,,59.  ; ERROR #59.
1268 054 000205 N1B:  RTS      R5              ; RETURN
1269 ;
1270 .SBTTL  POLNXT
1271 ;
1272 ;      POLNXT = POLA NEXT VEHICLE IN SLOW POLL BUFFERS -- CARGO SECURITY

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1273 ;
1274 ; OBJECT: TO POLL VEHICLES FOR SENSOR AND LOCATION STATUS DATA
1275 ;
1276 ;
1277 .GLOBL POLNXT
1278 .GLOBL POLADR,LOCBUF,LOCEND,SSPBUF,SSPEND,PCMPLT,COUTB,COUTP
1279 .GLOBL COUEND,POLFLG
1280 ;
1281 ; INITIALIZE POLLING ADDRESS BUFFER AND PROCESS FIRST LOACTION
1282 ; POLLING SEQUENCE. LOCATION POLLING IS COMPLETED BEFORE SENSORS
1283 ;
1284 056 005767 POLNXT: TST POLADR ; IS ADDR BUFR = 0
1285 062 001021 BNE PLOC1 ; NO, GO TO LOCATION POLL
1286 064 005727 TST #LOCBUF ; IS BUFFER EMPTY?
1287 070 001451 BEQ RTN1 ; YES, GETOUT
1288 072 012767 MOV #LOCBUF,POLADR ; STORE LOCATION BUFR IN ADDR BUFR
1289 100 012700 MOV #LOCBUF,R0 ; GET ADDR
1290 104 005710 TST (R0)
1291 106 001442 BEQ RTN1
1292 110 011001 MOV (R0),R1 ; STORE CMD IN R1
1293 112 004567 JSR R5,COUT ; OUTPUT CMD
1294 116 062767 ADD #2,POLADR ; INCREMENT BUFR ADDR PTR
1295 124 000452 BR RTN ; RETURN
1296 ;
1297 ; LOCATION POLLING
1298 ;
1299 126 022767 PLOC1: CMP #LOCBUF,POLADR ; IS LOCATION POLLING COMPLETE
1300 134 100023 BPL PSENS1 ; YES, GO TO SENSOR POLL
1301 136 016700 MOV POLADR,R0 ; GET BUFR ADDR
1302 142 005720 PLOC1A: TST (R0)+ ; IS ZERO?
1303 144 001004 BNE PLOC1B ; NO, OUTPUT CMD
1304 146 020027 CMP R0,#LOCEND ; AT BUFR END?
1305 152 001373 BNE PLOC1A ; NO, TRY AGAIN
1306 154 000410 BR PSENS ; GO TO SENSOR POLLING
1307 156 016001 PLOC1B: MOV -2(R0),R1 ; STORE CMD IN R1
1308 162 004567 JSR R5,COUT ; OUTPUT CMD
1309 166 062767 ADD #2,POLADR ; INCREMENT BUFR ADDR PTR
1310 174 000426 BR RTN ; RETURN
1311 ;
1312 ; SENSOR POLLING
1313 ;
1314 176 012767 PSENS: MOV #SSPBUF,POLADR ; STORE SENSOR BUFR
1315 204 016700 PSENS1: MOV POLADR,R0 ; GET ADDR
1316 210 005720 PSENS2: TST (R0)+ ; IS ZERO?
1317 212 001005 BNE PSENS3 ; NO, TRY AGAIN
1318 214 005067 RTN1: CLR POLADR ; CLEAR FLAG
1319 220 005067 CLR POLFLG ; CLEAR POLLING FLAG
1320 224 000410 BR POUT ; POLLING COMPLETE
1321 226 016001 PSENS3: MOV -2(R0),R1 ; STORE COMMAND
1322 232 004567 JSR R5,COUT ; OUTPUT COMMAND
1323 236 062767 ADD #2,POLADR ; INCREMENT POINTER
1324 244 000402 BR RTN ; RETURN
1325 ;

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1326      ;      POLLING COMPLETE AND GETOUT
1327      ;
1328 246 005267 POUT: INC      PCMLPT      ; SET POLL COMPLETE FLAG
1329 252 000205 RTN:  RTS      R5          ; RETURN
1330      ;
1331      ;      INTERNAL SUBROUTINE FOR COMMAND DATA LOAD
1332      ;
1333 254 010346 COUT: MOV      R3, -(SP)      ; SAVE R3
1334 256 012703      MOV      #COUTB, R3    ; GET BUFR ADDR
1335 262 066703      ADD      COUTP, R3     ; ADD OFFSET
1336 266 010123      MOV      R1, (R3)+    ; OUTPUT CMD
1337 270 062767      ADD      #2, COUTP     ; INCREMENT POINTER
1338 276 022703      CMP      #COUEND, R3   ; AT BUFR END
1339 302 001002      BNE      A1            ; NO, GO AROUND
1340 304 005067      CLR      COUTP        ; RESET POINTER
1341 310 012603 A1:  MOV      (SP)+, R3     ; RESTORE R3
1342 312 000205      RTS      R5          ; RETURN
1343      ;
1344      ;      INTERNAL VARIABLES
1345      ;
1346 314 000000 PCMLPT: .WORD  0            ; POLLING COMPLETE FLAG
1347      ;
1348      .SBTTL  CLNUP
1349      ;
1350      ;      CLNUP = CLEAN-UP AND INITIALIZATION OF NORMAL SLOW POLL -- CARGO
1351      ;      SECURITY
1352      ;
1353      ;      OBJECT: TO DELETE ENTRIES FROM REMOTE ALARM COMM POLL, CHANGE
1354      ;      VEHICLE MODES, UPDATE CURRENT NO RESPONSE BUFFER, TEST
1355      ;      NO RESPONSE FROM LAST TWO POLLS, LOAD CURRENT POLL BUFFER
1356      ;      AND SET POLLING FLAGS. ALL IS IN SUPPORT OF NORMAL
1357      ;      POLLING OF VEHICLES FOR COMM COUNTERMEASURES AND STATUS
1358      ;      DATA UPDATE.
1359      ;
1360      ;
1361      .GLOBL  CLNUP, VALVID, SAVREG, RSTREG, VALVID, BASECI, DSPCM1, DTASTR
1362      .GLOBL  SPEEND, SPVEHE, POLBUF, SPVEHD, SPDEND, SSPBUF, SSPEND, LOCEND
1363      .GLOBL  LOCBUF, VSTAT, LNGVST, VSTEND, VEHQUE, VEHEND, POLADR, SLPSTF, POLFLG
1364      ;
1365      ;      ANY NEW VEHICLES TO BE INPUT TO THE QUEUE
1366      ;
1367 316 004567 CLNUP: JSR      R5, SAVREG    ; SAVE REGISTERS
1368 322 105767      TSTB     SPVEHE        ; IS QUEUE EMPTY
1369 326 001453      BEQ      CLNUP1        ; YES, GO TO NEXT TEST
1370 330 016703 CLNA: MOV      SPVEHE, R3    ; GET VEHICLE ID
1371 334 004567      JSR      R5, VALVID    ; GET VSTAT ADDRESS
1372 340 005701      TST      R1
1373 342 001033      BNE      CLN1A1
1374 344 052762      BIS      #1, 2(R2)    ; SET NORMAL MODE
1375 352 042762      BIC      #22, 2(R2)    ; CLEAR REMOTE ALARM MODES
1376 360 116700      MOVB     SPVEHE, R0    ; GET FIRST ENTRY IN SPVEHE
1377 364 006300      ASL      R0
1378 366 006300      ASL      R0            ; OFFSET
1379      ;      BY

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1379 370 006300      ASL      R0      ; REMOTE
1380 372 006300      ASL      R0      ; ALARM
1381 374 052700      BIS      #3,R0   ; SENSOR REQUEST
1382 400 012701      MOV      #POLBUF,R1 ; GET REMOTE ALARM POLL BUFFER ADDR
1383 404 020021 CLN1:  CMP      R0,(R1)+ ; DOES UNIT EXIST IN REMOTE ALM BUFR
1384 406 001404      BEQ      CLN1A    ; YES, GO DELETE
1385 410 020127      CMP      R1,#POLBUF+80. ; AT END
1386 414 100773      BMI      CLN1     ; NO, GO AGAIN
1387 416 000405      BR       CLN1A1    ; GO TO NEXT TEST
1388 420 012161 CLN1A: MOV      (R1)+,-2(R1) ; UPSHIFT COMMANDS
1389 424 020127      CMP      R1,#POLBUF+80. ; AT END?
1390 430 100773      BMI      CLN1A    ; NO, SHIFT AGAIN
1391 432 012701 CLN1A1: MOV      #SPVEHE,R1 ; GET NEXT INPUT
1392 436 116121 CLN1A2: MOVB    1(R1),(R1)+ ; SHIFT UP
1393 442 105711      TSTB     (R1)      ; IS ENTRY ZERO
1394 444 001374      BNE      CLN1A2    ; NO, TRANSFER DATA
1395 446 105011      CLRB     (R1)      ; CLEAR LAST ENTRY
1396 450 105761      TSTB     -1(R1)    ; IS ANY DATA REMAINING
1397 454 001325      BNE      CLNA     ; YES, DELETE NEXT ENTRY
1398                ;
1399                ; TEST FOR ANY VEHICLES TO BE DELETED FROM QUEUE VIA SPVEHD
1400                ;
1401 456 005767 CLNUP1: TST      SPVEHD   ; DOES DELETE BUFFER HAVE ANY ENTRIES
1402 462 001445      BEQ      CLNUP2    ; NO, GO TO NO RESPONSE PROC.
1403 464 116703      MOVB     SPVEHD,R3  ; GET FIRST ENTRY
1404 470 004567 CLNUPA: JSR      R5,VALVID ; IS IT A VALID ID
1405 474 042762      BIC      #1,2(R2)  ; CLEAR NORMAL MODE OF VEHICLE
1406 502 032762      BIT      #2,2(R2)  ; IS VEHICLE IN REMOTE ALARM MODE
1407 510 001003      BNE      CLNU1D    ; YES, GO AROUND
1408 512 052762      BIS      #20,2(R2) ; SET REMOTE ALARM PENDING MODE
1409 520 012701 CLNU1D: MOV      #POLBUF,R1 ; GET ADDRESS OF REMOTE ALARM BUFR
1410 524 006303      ASL      R3        ; SHIFT
1411 526 006303      ASL      R3        ; VEHICLE
1412 530 006303      ASL      R3        ; ID
1413 532 006303      ASL      R3        ; 4 BITS
1414 534 052703      BIS      #3,R3     ; SET SENSOR COMMAND
1415 540 005721 CLNU1A: TST      (R1)+   ; POINT TO NEXT
1416 542 001376      BNE      CLNU1A    ; EMPTY SLOT
1417 544 010361      MOV      R3,-2(R1)  ; STORE COMMAND
1418 550 012703 CLNU1B: MOV      #SPVEHD,R3 ; GET ADDRESS OF DELETE BUFFER
1419 554 116323 CLNU1C: MOVB    1(R3),(R3)+ ; SHIFT ALL INPUTS UP 1 BYTE
1420 560 120327      CMPB     R3,#SPDEND ; AT END
1421 564 100773      BMI      CLNU1C    ; NO, SHIFT AGAIN
1422 566 116703      MOVB     SPVEHD,R3  ; GET NEXT ENTRY
1423 572 005703      TST      R3        ; IS IT ZERO?
1424 574 001335      BNE      CLNUPA    ; NO, PROCESS NEXT INPUT
1425                ;
1426                ; LOAD ALL NO RESPONSE DATA IN CURRENT NO RESPONSE BUFFER
1427                ; STORE NON-ZERO SENSOR ENTRIES IN SENSOR BUFFER
1428                ;
1429 576 012702 CLNUP2: MOV      #NORESS,R2 ; GET CURRENT NO RESPONSE BUFFER ADDR
1430 602 012701      MOV      #SSPBUF,R1 ; GET SENSOR POLL BUFFER
1431 606 005721 CLNU2A: TST      (R1)+   ; IS ENTRY CLEAR

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1432 610 001004      BNE      CLNU2B      ; NO. STORE DATA
1433 612 020127      CMP      R1, #SSPEND ; AT END?
1434 616 100773      BMI      CLNU2A      ; NO. TEST NEXT ENTRY
1435 620 000403      BR       CLNU2C      ; FINISHED
1436 622 016122 CLNU2B: MOV      -2(R1), (R2)+ ; STORE INPUT
1437 626 000767      BR       CLNU2A      ; TRY AGAIN
1438                ;
1439                ; STORE NON-ZERO LOCATION
1440                ; ENTRIES IN LOCATION BUFFER
1441                ;
1442 630 012702 CLNU2C: MOV      #NORESL, R2 ; GET LOCATION CUR. NO RES. BUFR ADDR
1443 634 012701      MOV      #LOCBUF, R1 ; GET LOCATION POLL BUFFER
1444 640 005721 CLNU2D: TST      (R1)+      ; IS ENTRY CLEAR?
1445 642 001004      BNE      CLNU2E      ; NO. STORE DATA
1446 644 020127      CMP      R1, #LOCEND ; AT END?
1447 650 100773      BMI      CLNU2D      ; NO. TRY AGAIN
1448 652 000403      BR       CLNU2F      ; GO TO REDUCTION
1449 654 016122 CLNU2E: MOV      -2(R1), (R2)+ ; STORE DATA
1450 660 000767      BR       CLNU2D      ; GO AGAIN
1451                ;
1452                ; COMBINE OUTPUT IN CURRENT NO RESPONSE BUFFER
1453                ;
1454 662 012701 CLNU2F: MOV      #NORESS, R1 ; GET ADDRESS OF SENSOR NO RESPONSE
1455 666 012702      MOV      #NORESL, R2 ; GET ADDRESS OF LOCATION NO RESPONSE
1456 672 042721 CLNU2G: BIC      #17, (R1)+ ; CLEAR COMMAND MODE
1457 676 042722      BIC      #17, (R2)+ ; BITS IN BOTH BUFFERS
1458 702 020127      CMP      R1, #NORESE ; AT BUFFER END?
1459 706 100771      BMI      CLNU2G      ; NO CLEAR REST
1460 710 012703      MOV      #CNORES, R3 ; SET CURRENT NO RESPONSE BUFFER ADDR
1461 714 012701      MOV      #NORESS, R1 ; GET STARTING
1462 720 012702 CLNU2Z: MOV      #NORESL, R2 ; ADDRESSES AGAIN
1463 724 005711      TST      (R1)        ; IS SENS. NO RES. BUFR MTY?
1464 726 001525      BEQ      CLNU3R      ; YES, GO AROUND
1465 730 021122 CLNU2H: CMP      (R1), (R2)+ ; ARE THEY THE SAME
1466 732 001404      BEQ      CLNU2I      ; YES, GO PROCESS
1467 734 020227      CMP      R2, #NORESD ; AT END?
1468 740 100773      BMI      CLNU2H      ; NO. TRY AGAIN
1469 742 000407      BR       CLNU2J      ; GO TO TEST OF LOCATION
1470 744 005062 CLNU2I: CLR      -2(R2)    ; CLEAR LOCATION BUFFER ENTRY
1471 750 011123      MOV      (R1), (R3)+ ; STORE ID IN NO RESPONSE BUFFER BUFR
1472 752 005021      CLR      (R1)+      ; CLEAR SENSOR BUFFER ENTRY
1473 754 005711      TST      (R1)        ; TEST FOR ANY MORE ENTRIES
1474 756 001364      BNE      CLNU2H      ; YES, GO TO NEXT TEST
1475 760 000402      BR       CLNU2K      ; GO TO TEST OF CURRENT/LAST
1476 762 005021 CLNU2J: CLR      (R1)+      ; CLEAR SENSOR BUFFER ENTRY
1477 764 000755      BR       CLNU2Z      ; GO TRY AGAIN
1478                ;
1479                ; TEST CURRENT NO RESPONSE BUFFER AND LAST NO RESPONSE BUFFER
1480                ;
1481 766 012704 CLNU2K: MOV      #NORESS, R4 ; GET TEMPORARY BUFFER ADDR
1482 772 012701      MOV      #CNORES, R1 ; GET CURRENT NO RESPONSE BUFR ADDR
1483 776 012702 CLNU2Y: MOV      #LNORES, R2 ; GET LAST NO RESPONSE BUFR ADDR
1484 002 005711 CLNU2L: TST      (R1)        ; IS FILE EMPTY

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1485 004 001476      BEQ      CLNU3R      ; YES GO AROUND
1486 006 021122      CMP      (R1),(R2)+  ; IS THERE A MATCH
1487 010 001411      BEQ      CLNU2M      ; YES, PROCESS COMMAND DATA
1488 012 020227      CMP      R2,#LNOEND  ; AT BUFFER END
1489 016 100771      BMI      CLNU2L      ; NO, GET NEXT INPUT
1490 020 062701      ADD      #2,R1       ; INCREMENT INPUT TEST POINTER
1491 024 020127      CMP      R1,#CNOEND  ; AT END
1492 030 100762      BMI      CLNU2Y      ; NO, GO PROCESS
1493 032 000463      BR       CLNU3R      ; GO TO RESET RESPONDING VEHICLES
1494
1495      ;
1496      ;      TEST VSTAT ENTRIES AND UPDATE
1497 034 011103 CLNU2M: MOV      (R1),R3      ; GET VEHICLE ID FROM NO RESPONSEBUF
1498 036 010167      MOV      R1,PTRA
1499 042 010267      MOV      R2,PTRA+2
1500 046 006203      ASR      R3
1501 050 006203      ASR      R3      ; SHIFT
1502 052 006203      ASR      R3      ; RIGHT
1503 054 006203      ASR      R3      ; 4
1504 056 004567      JSR      R5,VALVID      ; BITS
1505 062 005701      TST      R1      ; GET VSTAT ADDRESS
1506 064 001413      BEQ      CLNU2M      ; IS VALID?
1507 066 110367      MOV      R3,BSCMD2      ; YES, GO AROUND
1508 072 004267      JSR      R2,BASEC1      ; NO, ERROR
1509 076 000      BSCMD2: .BYTE 0,0,24,,58. ; OUTPUT
1510 102 016701 CLNU2W: MOV      PTRA,R1      ; TO
1511 106 016702      MOV      PTRA+2,R2
1512 112 000733      BR       CLNU2L
1513 114 032762 CLNU2N: BIT      #4000,2(R2) ; BASE AND GO ON
1514 122 001367      BNE      CLNU2W      ; IS COMM CTRMSRS BIT SET
1515 124 052762      BIS      #4000,2(R2) ; YES, GO TO NORMAL OUTPUT
1516 132 111267      MOV      (R2),BSCMD3 ; SET COMM CTRMSRS BIT IN VSTAT
1517 136 111267      MOV      (R2),DSCMDY ; VEHICLE
1518 142 111267      MOV      (R2),DTA1+2 ; ID
1519 146 004267      JSR      R2,BASEC1      ; AND
1520 152 000      BSCMD3: .BYTE 0,0,16,,0 ; COMMAND BASE STATION
1521 156 004267      JSR      R2,DSPCM1      ; #16.
1522 162 000      DSCMDY: .BYTE 0,0,9,,0 ; COMMAND DISPATCH STATION
1523 166 004567      JSR      R5,DTASTR      ; #9.
1524 172 000000 DTA1:  .WORD 0,503,0 ; COMMAND DATA STORAGE
1525 200 000740      BR       CLNU2W      ; FOR ALARM
1526      ;
1527      ;      EXCHANGE CURRENT AND LAST NO RESPONSE BUFFERS
1528      ;
1529 202 012701 CLNU3R: MOV      #CNORES,R1 ; GET SENS. CURRENT NO RESPONSE BUFFER
1530 206 012702      MOV      #LNORES,R2 ; GET LAST NO RESPONSE BUFR
1531 212 005022 CLNU2S: CLR      (R2)+      ; CLEAR
1532 214 020227      CMP      R2,#LNOEND  ; LAST TIME
1533 220 100774      BMI      CLNU2S      ; BUFR
1534 222 012702      MOV      #LNORES,R2 ; GET STARTING ADDRESS AGAIN
1535 226 012122 CLNU2T: MOV      (R1)+,(R2)+ ; SWAP DATA
1536 230 020127      CMP      R1,#CNOEND  ; FROM LAST
1537 234 001374      BNE      CLNU2T      ; TO CURRENT

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1530 236 012701      MOV      #NORESS,R1      ; CLEAR RESPONSE BUFR FOR
1539 242 005021 CLNU2V: CLR      (R1)+        ; NEXT
1540 244 020127      CMP      R1,#CNOEND      ; POLLING
1541 250 100774      BMI      CLNU2V          ; LOOP
1542                ;
1543                ; RELOAD SSPBUF AND LOCBUF
1544                ;
1545 252 012700 CLNU3:  MOV      #VEHQUE,R0      ; GET VEHICLE INPUT QUEUE
1546 256 005067      CLR      PTRR            ; SET BUFFER POINTER
1547 262 012703      MOV      #SSPBUF,R3
1548 266 005023 C1:   CLR      (R3)+
1549 270 020327      CMP      R3,#SSPEND
1550 274 100774      BMI      C1
1551 276 012703      MOV      #LOCBUF,R3
1552 302 005023 C2:   CLR      (R3)+
1553 304 020327      CMP      R3,#LOCEND
1554 310 100774      BMI      C2
1555 312 105710 CLNU3A: TSTB      (R0)          ; IS INPUT NON-ZERO
1556 314 001002      BNE      CLNU3B          ; YES, GO PROCESS
1557 316 105720      TSTB      (R0)+          ; NO, BUMP PTR
1558 320 000435      BR       CLNU3D          ; START AGAIN
1559 322 112003 CLNU3B: MOVB      (R0)+,R3      ; STORE VALID ID
1560 324 004567      JSR      R5,VALVID        ; GET VSTAT ADDRESS
1561 330 005701      TST      R1              ; VALID ADDRESS
1562 332 001034      BNE      CLNU3C          ; NO, PROCESS ERROR
1563 334 032762      BIT      #1,2(R2)        ; YES, IS VEHICLE IN NORMAL MODE
1564 342 001763      BEQ      CLNU3A          ; NOT IN NORMAL MODE, GO ON
1565 344 111204      MOVB      (R2),R4        ; MOV ID TO R4
1566 346 006304      ASL      R4              ; AND
1567 350 006304      ASL      R4              ; SHIFT
1568 352 006304      ASL      R4              ; 4
1569 354 006304      ASL      R4              ; BITS
1570 356 052704      BIS      #3,R4          ; SET SENSOR POLL BITS
1571 362 016703      MOV      PTRR,R3         ; GET BYTE POINTER
1572 366 010463      MOV      R4,SSPBUF(R3)    ; STORE COMMAND IN SENSOR POLL BUFR
1573 372 042704      BIC      #3,R4          ; CLEAR SENSOR COMMAND
1574 376 052704      BIS      #4,R4          ; AND SET LOCATION POLL
1575 402 010463      MOV      R4,LOCBUF(R3)    ; STORE COMMAND IN LOCATION POLL BUFR
1576 406 062767      ADD      #2,PTRR        ; INCREMENT BUFFER POINTER
1577 414 020027 CLNU3D: CMP      R0,#VEHEND    ; AT END OF QUEUE
1578 420 100734      BMI      CLNU3A          ; NO, PROCESS NEXT INPUT
1579 422 000404      BR       OUT
1580 424 004267 CLNU3C: JSR      R2,BASECI
1581 430 000      .BYTE 0,0,24,,58.
1582                ;
1583                ; CLEAN-UP AND RETURN
1584                ;
1585 434 005067 OUT:   CLR      SLPSTF          ; CLEAR INITIALIZATION FLAG
1586 440 005267      INC      POLFLG          ; SET INITIALIZATION COMPLETE FLAG
1587 444 005067      CLR      POLADR          ; CLEAR ADDRESS OF POLLED VEHICLE
1588 450 004567      JSR      R5,RSTREG        ; RESTORE REGISTERS
1589 454 000205      RTS      R5              ; RETURN
1590                ;

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[illegible]

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1644 274 006303      ASL      R3
1645 276 052703      BIS      #3,R3      ; SET SENSOR POLL CMD
1646 302 010324      MOV      R3,(R4)+    ; STORE IN POLBUF
1647 304 000747      BR       RSL01      ; TRY AGAIN
1648                ;
1649                ;      VEHICLE ID NOT IN VSTAT
1650                ;
1651 306 110367  ERRORR: MOVB     R3,BSCMDR  ; STORE VEHICLE ID
1652 312 004567      JSR      R5,BASECI   ; OUTPUT ERROR
1653 316      000  BSCMDR: .BYTE 0,0,24,,60. ; CMD
1654 322 000740      BR       RSL01      ; RETURN
1655                ;
1656                ;      RETURN
1657                ;
1658 324 005067  BUFULL: CLR      RPTR      ; RESET POINTER
1659 330 004567      JSR      R5,RSTREG   ; RESTORE REGISTERS
1660 334 000205      RTS       R5        ; RETURN
1661                ;
1662                ;      VARIABLES
1663                ;
1664 336 000000  RPTR:  .WORD    0        ; BUFR POINTR
1665                ;
1666      000001      .END
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ACKN	001774R	ACKNO	002106R	ACKN1	002100R
ALBELL	001160R	ALCCMD=	***** G	ASCBIN=	***** G
AI	006310R	BASECI=	***** G	BELA	001312R
BELL	001404R	BELTST	001232R	BEL1	001320R
BEL2	001342R	BEL3	001360R	BEL4	001400R
BEL5	001402R	BFPTR	005070R	BSCMDR	010316R
BSCMD1	006050R	BSCMD2	007076R	BSCMD3	007152R
BSFLAG=	***** G	BUFF	005134R	BUFF1	004714R
BUFF2	004576R	BUFK2 =	***** G	BUFULL	010324R
CLNA	006330R	CLNUP	006316RG	CLNUPA	006470R
CLNUP1	006456R	CLNUP2	006576R	CLNU1A	006540R
CLNU1B	006550R	CLNU1C	006554R	CLNU1D	006520R
CLNU2A	006606R	CLNU2B	006622R	CLNU2C	006630R
CLNU2D	006640R	CLNU2E	006654R	CLNU2F	006662R
CLNU2G	006672R	CLNU2H	006730R	CLNU2I	006744R
CLNU2J	006762R	CLNU2K	006766R	CLNU2L	007002R
CLNU2M	007034R	CLNU2N	007114R	CLNU2S	007212R
CLNU2T	007226R	CLNU2V	007242R	CLNU2W	007102R
CLNU2Y	006776R	CLNU2Z	006720R	CLNU3	007252R
CLNU3A	007312R	CLNU3B	007322R	CLNU3C	007424R
CLNU3D	007414R	CLNU3R	007202R	CLN1	006404R
CLN1A	006420R	CLN1A1	006432R	CLN1A2	006436R
CMDBUF=	***** G	CMD0 =	***** G	CMDSUA	003052R
CMDSUB	002762R	CMDSUC	003070R	CMDSUD	003024R
CMDSU0	003074R	CMDSU1	003076RG	CNOEND	010044R
CNORED	007722R	CNORES	007724R	COUEND=	***** G
COUT	006254R	COUTB =	***** G	COUTP =	***** G
CTEMP	004422R	CTIME	004420RG	CTIME2	003670RG
CURSE1=	***** G	C1	007266R	C1A	004012R
C10CTR	003666R	C2	007302R	C2A	003702R
DATE	005150RG	DATES1	005152RG	DATEST	004424RG
DATNO	005032R	DATROL	004020R	DAT1	004540R
DAT2	004560R	DAT3	004652R	DAT4	004662R
DAT5	004672R	DAT6	004750R	DAT7	004772R
DAT8	005052R	DCTRG1	005664R	DCTRT1	005662R
DEAA	002404R	DEAAA	002376R	DEAA1	002476R
DEAA1A	002444R	DEAB	002166R	DEABA	002160R
DEAB1	002260R	DEAB1A	002226R	DENTA	001556R
DENTB	001722R	DENTX	001554R	DENT1	001506R
DENT1A	001536R	DENT1B	001544R	DENT2	002110R
DENT2A	002132R	DENT2B	002326R	DENT2C	002350R
DENT2Z	002542R	DENT3	001600R	DENT3A	001630R
DENT3B	001636R	DENT3Z	001464R	DENT4	001650R
DENT40	001646R	DENT41	001672R	DENT42	001720R
DENT43	001744R	DENT44	001772R	DE0	002246R
DE01	002464R	DE1	002304R	DE1OUT	002402R
DE3	002522R	DFLAGG=	***** G	DFLAGT=	***** G
DFLG1	005670RG	DFLGT1	005666RG	DRCNTR	005644R
DRCS =	167770	DROUTB=	167772	DSCMDY	007162R
DSCMD1	005576RG	DSCMD2	005604RG	DSCOMP=	***** G
DSCTR1	005534RG	DSCTR2	005536RG	DSCTR3	005540RG
DSCTR4	005542RG	DSCTR5	005544RG	DSCTR6	005546RG
DSCTR7	005550R	DSCTR8	005552R	DSFLAG=	***** G

DSFLG1= ***** G	DSFLG2= ***** G	DSFLG3= ***** G
DSFLG4= ***** G	DSFLG5 005556RG	DSFLG6 005560RG
DSFLG7 005562RG	DSFLG8 005564RG	DSOUT 001456R
DSPCMI= ***** G	DSPRLD 001426R	DTASTR= ***** G
DTA1 007172R	DTMP 005154R	DYDENA 003462R
DYDENB 003454R	DYDENC 003534R	DYDENO 003542R
DYDENT 003402R	DYDGI 005676RG	DYDGIR 005702R
DYDGIX 005706R	DYDGI 005672R	DYDTC 005674RG
DYDTCR 005700R	DYDTCX 005704R	D1 004152R
D10SEA 003364R	D10SEB 003346R	D10SEC 003320R
D10SED 003336R	D10SEF 003362R	D160 002544R
D160A 002566R	D160B 002640R	D160C 002662R
D160Z 002732R	D2 004170R	D3 004206R
D4 004224R	D5 004300R	D6 004044R
D7 004050R	ENBNOR 003204R	ENBSEN 002734R
ENBSUA 003276R	ENBSUB 003236R	ENBSUO 003316R
ERAFGP 005424RG	ERRORR 010306R	ESCD = ***** G
FLAG1 005532R	GIBELL= ***** G	GICMD = ***** G
GICTR 005516RG	GILRCD 005612RG	GILRCT 005614R
GILRTT 005616R	GIMBEL 005574RG	GISECD 005646RG
GISECT 005650RG	GISETT 005652RG	GIIBEL 005572RG
HALF 005416RG	HOURS 005410RG	IFLAGX= ***** G
IFLAGY= ***** G	IFLAG1= ***** G	IFLAG2= ***** G
IFLAG3= ***** G	IFLAG4= ***** G	INPUTA= ***** G
IRAD50= ***** G	JCLNDR 005132RG	LIMIT 005476R
LNGVST= ***** G	LNOEND 010166R	LNORES 010046R
LOCBUF= ***** G	LOCEND= ***** G	LOGOV = ***** G
MINS 005412RG	MONTHR 005100RG	MOV 001406R
MOV3 = ***** G	MOV5 = ***** G	MTFILE= ***** G
NAUGHT 005554R	NOLOG = ***** G	NORCTR 005500R
NORESD 007720R	NORESE 007576R	NORESL 007600R
NORESS 007456R	NORMAL 000534R	NORTNP 006000RG
N1 000552R	N1A 000612R	N1B 006054R
N2 000614R	N2A 000624R	N3 000664R
N3A 000740R	N3B 001000R	OUT 007434R
OUT1 005770R	PC =%000007	PCPLT 006314RG
PDTC3 = ***** G	PDTC5 = ***** G	PHSROL 005432RG
PLOC1 006126R	PLOC1A 006142R	PLOC1B 006156R
POLADR 005522RG	POLBUF= ***** G	POLFLG 005502RG
POLNXT 006056RG	POUT 006246R	PSENS 006176R
PSENS1 006204R	PSENS2 006210R	PSENS3 006226R
PTR 005436R	PTRA 010170R	RAYCOM 005426RG
RBUF = ***** G	REMCTR 005524R	REMOTE 001002R
RESET1 005504R	RESET2 005506R	RESET3 005510R
RETN 000550R	RETNR 001016R	RLCTR = ***** G
RLCTR2 005640RG	RLCTR3 005642RG	RLD1 = ***** G
RLD2 = ***** G	RPLFLG 005526R	RPTR 010336RG
RSLOCM 010174RG	RSL01 010224R	RSL02 010240R
RSL1 010210R	RSOUT 001424R	RSTREG= ***** G
RSUPDT 001410R	RTN 006252R	RTN1 006214R
RTSTAT 005530R	RYSTAT 005636RG	R0 =%000000
R1 =%000001	R1A 001034R	R1B 001036R
R11 001020R	R2 =%000002	R2A 001104R

R2B	001156R	R21	001056R	R3	=%000003
R4	=%000004	R5	=%000005	SAVREG=	***** G
SCH	000022R	SCHED	005434RG	SCHED1	000000RG
SCHX	000034R	SCH1	000442R	SCH1A	000226R
SCH1B	000214R	SCH1C	000324R	SCH1CA	000352R
SCH1CB	000404R	SCH1CC	000424R	SCH1CD	000430R
SECS	005414RG	SLOPCM	005710RG	SLPHSF	005774RG
SLPSTF	005776RG	SLP3SF	005772RG	SL1	005724R
SL2	005740R	SL3	005754R	SP	=%000006
SPDEND=	***** G	SPEEDN=	***** G	SPVEHD=	***** G
SPVEHE=	***** G	SSPBUF=	***** G	SSPEND=	***** G
S1	000456R	S1A	000466R	S10MIA	003566R
S10MIB	003560R	S10MIN	003544R	S10MIO	003664R
S2	000512R	S3	000524R	TBUFF	005222R
TBUFF1	005254R	TBUFF2	005306R	TCBELL=	***** G
TCCMD =	***** G	TCCTR	005520RG	TCLRCD	005624RG
TCLRCT	005626R	TCLRTT	005630R	TCMBEL	005570RG
TCSECD	005654RG	TCSECT	005656RG	TCSETT	005660RG
TC1BEL	005566RG	TDFILE=	***** G	TEMP1	005422R
TEND	005130R	TER1	005366R	TEST	005512R
TEST1	005514R	TIC	005076R	TICCTR	004416R
TIMTST	005156RG	TIMUP	004412R	TIMUP1	004406R
TIMUP2	004310R	TIMUP3	004312R	TTTEMP	005420R
T1	005060R	T1A	005072R	T1B	005074R
T1X	005346R	T2X	005406R	VALVID=	***** G
VCMDEN	001460R	VEHCMD=	***** G	VEHEND=	***** G
VEHQUE=	***** G	VSTAT =	***** G	VSTEND=	***** G
...V2 =	000001				
.ABS.	000000				
	010340				

000
001
ERRORS DETECTED: 0
FREE CORE: 16268. WORDS

.LP:/C:=SCHLDR.MAC

	1-793	1-793#	1-797	1-797#	1-002	1-002#	1-006
...V2	1-006#						
A1	1-20#						
ACKN	1-39	1-41#					
ACKN1	1-415#	1-34					
ACKNO	1-427*	1-430#					
ALBELL	1-416	1-422	1-431#				
ALCCMD	1-268#	1-28					
ASCBIN	1-32#	1-429					
BASECI	1-888#	1-932	1-963	1-47#	1-61	1-71	1-81
BEL1	1-33#	1-572	1-18#	1-35	1-53#	1-66	1-61#
BEL2	1-708	1-719	1-780	1-017#	1-052		
BEL3	1-292	1-294	1-297	1-300#			
BEL4	1-299	1-308#					
BEL5	1-284	1-286	1-288	1-290	1-301	1-303	1-306
BELA	1-312#						
BELL	1-315	1-320#					
BELTST	1-313	1-317	1-319	1-321#			
BFPTR	1-296	1-298#					
BSCMD1	1-310	1-322#					
BSCMD2	1-269	1-272	1-278#				
BSCMD3	1-892*	1-895*	1-896	1-911	1-931	1-961	1-12
BSFLAG	1-14#						
BUFF	1-60*	1-61*	1-62*	1-63*	1-64*	1-65*	1-67*
BUFF1	1-707*	1-709#					
BUFF2	1-716*	1-720#					
BUFK2	1-051*	1-053#					
BUFULL	1-26#	1-677	1-695*				
C1	1-933	1-972	1-21#				
C10CTR	1-961*	1-962*	1-964	1-964#			
C1A	1-931*	1-933#					
C2	1-34#	1-681	1-690*	1-692*	1-694*		
C2A	1-033	1-058#					
CLN1	1-748#	1-750					
CLN1A	1-675*	1-679*	1-696*	1-698#			
CLN1A1	1-746	1-749#					
CLN1A2	1-752#	1-754					
CLNA	1-719	1-721#					
CLNU1A	1-83#	1-86					
CLNU1B	1-84	1-88#	1-90				
CLNU1C	1-87	1-91#					
CLNU1D	1-92#	1-94					
CLNU2A	1-70#	1-97					
CLNU2B	1-15#	1-16					
CLNU2C	1-18#						
CLNU2D	1-19#	1-21					
CLNU2E	1-20#	1-21					
CLNU2F	1-21	1-22#					
CLNU2G	1-22#	1-23					
CLNU2H	1-23	1-24					
CLNU2I	1-24	1-25					
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	1-97	1-98					
	1-98	1-99					
	1-99	1-100					

CLNU2J	1->69	1->76#					
CLNU2K	1->75	1->81#					
CLNU2L	1->84#	1->89	1-712				
CLNU2M	1->87	1->97#					
CLNU2N	1-706	1-713#					
CLNU2S	1-731#	1-733					
CLNU2T	1-735#	1-737					
CLNU2V	1-739#	1-741					
CLNU2W	1-710#	1-714	1-725				
CLNU2Y	1->83#	1->92					
CLNU2Z	1->62#	1->77					
CLNU3	1-745#						
CLNU3A	1-755#	1-764	1-778				
CLNU3B	1-756	1-759#					
CLNU3C	1-762	1-780#					
CLNU3D	1-758	1-777#					
CLNU3R	1->64	1->85	1->93	1-729#			
CLNUP	1-<18#	1-<33	1-=61#	1-=67#			
CLNUP1	1-=69	1->01#					
CLNUP2	1->02	1->29#					
CLNUPA	1->04#	1->24					
CMDBUF	1-32#	1-34#	1-423*	1-425*	1-566*	1-621*	1-652*
	1-664*						
CMD0	1-32#	1-34#	1-426	1-567	1-622	1-653	1-665
CMDSU1	1-33#	1-562	1-580#				
CMDSUA	1-571#	1-571*	1-587				
CMDSUB	1-545	1-547	1-553#				
CMDSUC	1-565	1-575#					
CMDSUD	1-558	1-559	1-566#				
CMDSUO	1-554	1-556	1-570	1-574	1-576#		
CNOEND	1->91	1-736	1-740	1-005#			
CNORED	1-001#						
CNORES	1->60	1->82	1-729	1-002#			
COUEND	1-<79#	1-=38					
COUT	1-<93	1-=08	1-=22	1-=33#			
COUTB	1-<78#	1-=34					
COUTP	1-<78#	1-=35	1-=37*	1-=40*			
CTEMP	1-843*	1-844*	1-845*	1-846*	1-847*	1-848*	1-849
	1-859#						
CTIME	1-26#	1-334	1-714#	1-838*	1-839*	1-840*	1-841*
	1-842*	1-849*	1-850*	1-858#			
CTIME2	1-713#	1-718#					
CURSE1	1-27#	1-357	1-359*	1-374	1-376*		
D1	1-774	1-785#					
D10SEA	1-631	1-639#					
D10SEB	1-629*	1-635#	1-640*				
D10SEC	1-628#	1-:39					
D10SED	1-632#	1-643					
D10SEF	1-633	1-638#	1-642				
D160	1-510#	1-:36					
D160A	1-513	1-515#					
D160B	1-511	1-525#					
D160C	1-528	1-530#					
D160Z	1-516	1-524	1-526	1-531	1-539#		
D2	1-788	1-793#					
D3	1-796	1-801#					
D4	1-804	1-810#					

D5	1-797	1-813	1-815	1-817	1-819	1-827	1-832#
D6	1-762	1-764#					
D7	1-765#	1-768					
DAT1	1-917*	1-921					
DAT2	1-918	1-929#					
DAT3	1-939	1-941	1-943	1-945	1-949#		
DAT4	1-937	1-952#					
DAT5	1-947	1-950	1-953	1-960#			
DAT6	1-973#	1-978					
DAT7	1-975	1-985#					
DAT8	1-:03	1-:05#					
DATE	1-714#	1-770	1-888#	1-985*	1-992*	1-993*	1-994*
	1-995	1-:22#					
DATESI	1-714#	1-995*	1-:23#				
DATEST	1-888#	1-890#					
DATNO	1-902	1-904	1-906	1-922	1-935	1-948	1-951
	1-954	1-966	1-999#				
DATROL	1-748	1-759#					
DCTRG1	1-:97#						
DCTRT1	1-628	1-:96#					
DE1	1-451	1-461	1-466#				
DE1OUT	1-441	1-483#					
DE3	1-487	1-497	1-502#				
DEAA	1-481	1-484#					
DEAA1	1-491	1-498#					
DEAA1A	1-489	1-492#					
DEAAA	1-479	1-482#					
DEAB	1-445	1-448#					
DEAB1	1-455	1-462#					
DEAB1A	1-453	1-456#					
DEABA	1-443	1-446#					
DENT1	1-353	1-355#					
DENT1A	1-358	1-362#					
DENT1B	1-361	1-363#					
DENT2	1-435#	1-:35					
DENT2A	1-438	1-440#					
DENT2B	1-436	1-471#					
DENT2C	1-474	1-476#					
DENT2Z	1-447	1-470	1-472	1-477	1-483	1-506#	
DENT3	1-370	1-372#					
DENT32	1-350#	1-:32					
DENT3A	1-375	1-379#					
DENT3B	1-378	1-380#					
DENT4	1-387#	1-:33					
DENT40	1-365	1-368	1-373	1-382#			
DENT41	1-390	1-392#					
DENT42	1-393	1-398#					
DENT43	1-403	1-405#					
DENT44	1-398	1-401	1-406	1-411#			
DENTA	1-351	1-367#					
DENTB	1-388	1-400#					
DENTX	1-356	1-365#					
DEO	1-456*	1-457*	1-459#				
DEO1	1-492*	1-493*	1-495#				
DFLAGG	1-27#	1-501*					
DFLAGT	1-27#	1-465*					
DFLGG1	1-34#	1-641	1-:99#				

DFLGT1	1-34#	1-630	1-;90#				
DRCNTR	1-48*	1-51*	1-;89#				
DRCS	1-36#	1-45	1-55	1-87	1-186	1-199	1-233
DROUTB	1-37#	1-64*	1-96*	1-120*			
DSCMD1	1-30#	1-450	1-452	1-454	1-456	1-457	1-460*
	1-462*	1-463	1-464	1-;74#			
DSCMD2	1-30#	1-486	1-488	1-490	1-492	1-493	1-496*
	1-498*	1-499	1-500	1-;75#			
DSCMDY	1-717*	1-722#					
DSCOMP	1-32#	1-338*					
DSCTR1	1-27#	1-352	1-354*	1-355*	1-363*	1-;57#	
DSCTR2	1-27#	1-369	1-371*	1-372*	1-381*	1-;58#	
DSCTR3	1-27#	1-389	1-391*	1-392*	1-396*	1-;59#	
DSCTR4	1-27#	1-402	1-404*	1-405*	1-409*	1-;60#	
DSCTR5	1-28#	1-437	1-439*	1-440*	1-446*	1-468*	1-;61#
DSCTR6	1-28#	1-473	1-475*	1-476*	1-482*	1-504*	1-;62#
DSCTR7	1-512	1-514*	1-515*	1-519*	1-;63#		
DSCTR8	1-527	1-529*	1-530*	1-534*	1-;64#		
DSFLAG	1-26#	1-360*	1-362*	1-377*	1-379*		
DSFLG1	1-26#	1-350	1-364*				
DSFLG2	1-26#	1-367	1-380*				
DSFLG3	1-26#	1-387	1-397*				
DSFLG4	1-26#	1-400	1-410*				
DSFLG5	1-28#	1-435	1-469*	1-;66#			
DSFLG6	1-28#	1-471	1-505*	1-;67#			
DSFLG7	1-28#	1-273	1-510	1-520*	1-;68#		
DSFLG8	1-28#	1-270	1-525	1-535*	1-;69#		
DSOUT	1-335	1-337	1-340#				
DSPCMI	1-24#	1-394	1-407	1-458	1-494	1-634	1-;61#
	1-721						
DSPLRD	1-334#	1-;30					
DTA1	1-718*	1-724#					
DTASTR	1-;61#	1-723					
DTMP	1-976*	1-977	1-;24#				
DYDENA	1-648	1-650	1-659#				
DYDENB	1-655	1-658#					
DYDENC	1-667	1-670#					
DYDENO	1-660	1-662	1-671#				
DYDENT	1-647#	1-;40					
DYDG1	1-;00#						
DYDGI	1-34#	1-659	1-664	1-668*	1-;02#		
DYDGIR	1-661*	1-670*	1-;04#				
DYDGIX	1-663*	1-666	1-669*	1-;06#			
DYDTC	1-34#	1-647	1-652	1-657*	1-;01#		
DYDTCR	1-649*	1-658*	1-;03#				
DYDTCX	1-651*	1-654	1-656*	1-;05#			
ENBNOR	1-600#	1-;38					
ENBSEN	1-543#	1-;37					
ENBSUA	1-615	1-621#					
ENBSUB	1-602	1-604	1-610#				
ENBSUO	1-611	1-613	1-620	1-624#			
ERAFGP	1-25#	1-53	1-66*	1-67*	1-84*	1-101	1-;21#
ERRORR	1-337	1-051#					
ESCO	1-28#	1-449	1-485				
FLAG1	1-;56#						
GI1BEL	1-30#	1-270	1-;72#				
GI1BELL	1-25#						

GICMD	1-24#	1-499*	1-500*				
GICTR	1-29#	1-270	1-50#				
GILRCD	1-32#	1-603	1-76#				
GILRCT	1-77#						
GILRTT	1-78#						
GIMBEL	1-30#	1-270	1-73#				
GISECD	1-33#	1-546	1-90#				
GISECT	1-33#	1-91#					
GISETT	1-33#	1-92#					
HALF	1-714#	1-745	1-747*	1-749*	1-48#	1-98*	1-00*
	1-14#						
HOURS	1-714#	1-741*	1-742	1-744*	1-843	1-48#	1-65*
	1-11#						
IFLAG1	1-29#	1-467*					
IFLAG2	1-29#	1-466*					
IFLAG3	1-29#	1-502*					
IFLAG4	1-29#	1-503*					
IFLAGX	1-31#	1-522*					
IFLAGY	1-31#	1-537*					
INPUTA	1-32#	1-61*	1-62*	1-93*	1-94*	1-117*	1-118*
IRAD50	1-888#	1-914					
JCLNDR	1-714#	1-769*	1-771	1-775*	1-776*	1-777*	1-888#
	1-968*	1-970*	1-977*	1-20#			
LIMIT	1-54	1-42#					
LNGVST	1-766	1-63#					
LNOEND	1-88	1-732	1-009#				
LNORES	1-83	1-730	1-734	1-006#			
LOCBUF	1-78#	1-86	1-88	1-89	1-99	1-63#	1-43
	1-51	1-775*					
LOCEND	1-78#	1-04	1-62#	1-46	1-753		
LOGOV	1-32#	1-63	1-95	1-119			
MINS	1-714#	1-734*	1-735	1-737*	1-839	1-48#	1-75*
	1-12#						
MONTHR	1-888#	1-915	1-18#				
MOV	1-268*	1-271*	1-308	1-323#			
MOV3	1-28#	1-268	1-484	1-532			
MOV5	1-28#	1-271	1-448	1-517			
MTFILE	1-31#	1-759*					
N1	1-68	1-175#					
N1A	1-79	1-182#					
N1B	1-59	1-68#					
N2	1-70	1-186#					
N2A	1-88#	1-220					
N3	1-87	1-189	1-199#				
N3A	1-200	1-213#					
N3B	1-215	1-221#					
NAUGHT	1-518	1-533	1-65#				
NOLOG	1-32#	1-336					
NORCTR	1-67*	1-175*	1-43#				
NORESD	1-67	1-000#					
NORESE	1-58	1-796#					
NORESL	1-42	1-55	1-62	1-797#			
NORESS	1-29	1-54	1-61	1-81	1-738	1-793#	
NORMAL	1-67#	1-26					
NORTNP	1-18#	1-25	1-52#	1-57#			
OUT	1-779	1-785#					
OUT1	1-26	1-30	1-34	1-37#			

PCMLT	1-<78#	1-=28*	1-=46#				
PDT3	1-30#	1-270	1-478	1-480	1-536*	1-538*	
PDT5	1-30#	1-273	1-442	1-444	1-521*	1-523*	
PHSROL	1-27#	1-85	1-89	1-93	1-94	1-96	1-97*
	1-;24#						
PLOC1	1-<85	1-<99#					
PLOC1A	1-=02#	1-=05					
PLOC1B	1-=03	1-=07#					
POLADR	1-25#	1-180	1-;52#	1-<53#	1-<57	1-<78#	1-<84
	1-<88*	1-<94*	1-<99	1-=01	1-=09*	1-=14*	1-=15
	1-=18*	1-=23*	1-=63#	1-787*			
POLBUF	1-25#	1-114	1-125	1-248	1-=62#	1-=82	1-=85
	1-=89	1->09	1-018#	1-023	1-026	1-028	
POLFLG	1-26#	1-169	1-178	1-;44#	1-<79#	1-=19*	1-=63#
	1-786*						
POLNXT	1-<18#	1-<29	1-<77#	1-<84#			
POUT	1-=20	1-=28#					
PSENS	1-=06	1-=14#					
PSENS1	1-=00	1-=15#					
PSENS2	1-=16#						
PSENS3	1-=17	1-=21#					
PTR	1-159	1-;26#					
PTRA	1->98*	1->99*	1-710	1-711	1-746*	1-771	1-776*
	1-010#						
R11	1-226	1-233#					
R1A	1-236#						
R1B	1-234	1-240#					
R21	1-228	1-247#					
R2A	1-250	1-254#					
R2B	1-255	1-264#					
RAVCOM	1-25#	1-53	1-57	1-61	1-62	1-64	1-65*
	1-70*	1-71	1-77*	1-254	1-256*	1-257*	1-258*
	1-259*	1-260*	1-261*	1-262*	1-;22#		
RBUFF	1-31#	1-68	1-70	1-78	1-99	1-106	
REMCTR	1-225*	1-235*	1-242*	1-;53#			
REMOTE	1-225#	1-;27					
RESET1	1-175	1-;45#					
RESET2	1-;80*	1-194*	1-202*	1-208*	1-213*	1-;46#	
RESET3	1-181*	1-193*	1-201*	1-207*	1-214*	1-219*	1-;47#
RETN	1-171#	1-182	1-195	1-203	1-209	1-221	
RETNR	1-229#	1-236	1-243	1-253	1-264		
RLCTR	1-31#	1-428*					
RLCTR2	1-31#	1-59	1-91	1-421	1-423	1-424*	1-;87#
RLCTR3	1-31#	1-415*	1-420*	1-;88#			
RLD1	1-29#	1-287					
RLD2	1-29#	1-289					
RPLFLG	1-227	1-241*	1-251*	1-;54#			
RPTR	1-25#	1-247	1-252*	1-263*	1-018#	1-058*	1-064#
RSL1	1-025#	1-027					
RSL01	1-029#	1-032	1-039	1-047	1-054		
RSL02	1-030	1-034#					
RSLOCM	1-24#	1-240	1-017#	1-022#			
RSOUT	1-328	1-330#					
RSTREG	1-33#	1-161	1-575	1-605	1-888#	1-999	1-;47#
	1-;01	1-=61#	1-788	1-018#	1-059		
RSUPDT	1-327#	1-;29					
RTN	1-<95	1-=10	1-=24	1-=29#			

RTN1	1-<87	1-<91	1-=18#				
RTSTAT	1-327*	1-329*	1-=55#				
RVSTAT	1-31#	1-417	1-=86#				
S1	1-151#	1-157					
S10MIA	1-678	1-681#					
S10MIB	1-679#	1-688					
S10MIN	1-675#	1-:41					
S10MIO	1-676	1-680	1-597#				
S1A	1-153#	1-160					
S2	1-152	1-158#					
S3	1-155	1-161#					
SAVREG	1-33#	1-44	1-560	1-600	1-888#	1-893	1-:47#
	1-153	1-=61#	1-=67	1-017#	1-022		
SCH	1-46	1-48#					
SCH1	1-47	1-50	1-56	1-60	1-69	1-81	1-88
	1-92	1-98	1-100	1-116	1-148#		
SCH1A	1-54	1-84#					
SCH1B	1-80#	1-83					
SCH1C	1-86	1-99#					
SCH1CA	1-107#	1-115					
SCH1CB	1-112	1-117#					
SCH1CC	1-110	1-121#					
SCH1CD	1-123#	1-126					
SCHED	1-27#	1-151	1-339*	1-:25#			
SCHED1	1-24#	1-43#	1-713#	1-853			
SCHX	1-49	1-51#					
SECS	1-714#	1-727*	1-728	1-730*	1-850	1-:48#	1-:85*
	1-:13#						
SL1	1-<24	1-<27#					
SL2	1-<28	1-<31#					
SL3	1-<32	1-<35#					
SLOPCM	1-24#	1-177	1-191	1-205	1-217	1-<18#	1-<23#
SLP3SF	1-25#	1-216*	1-218*	1-<19#	1-<23	1-<41#	
SLPHSF	1-25#	1-190*	1-192*	1-204*	1-206*	1-<19#	1-<27
	1-<42#						
SLPSTF	1-25#	1-176*	1-<19#	1-<31	1-<43#	1-=63#	1-785*
SPDEND	1-=62#	1->20					
SPEED	1-=62#						
SPVEHD	1-=62#	1->01	1->03	1->18	1->22		
SPVEHE	1-=62#	1-=68	1-=70	1-=76	1-=91		
SSPBUF	1-<78#	1-=14	1-=62#	1->30	1-747	1-772*	
SSPEND	1-<78#	1-=62#	1->33	1-749			
T1	1-911*	1-912*	1-913	1-:10#			
T1A	1-:11	1-:15#					
T1B	1-917	1-:13	1-:16#				
T1X	1-:91	1-:93	1-:98#				
T2X	1-:05	1-:07#					
TBUFF	1-:59*	1-:60*	1-:62#				
TBUFF1	1-:69*	1-:70*	1-:72#				
TBUFF2	1-:79*	1-:80*	1-:82#				
TC1BEL	1-30#	1-273	1-:70#				
TCBELL	1-26#						
TCCMD	1-24#	1-463*	1-464*				
TCCTR	1-29#	1-273	1-:51#				
TCLRCD	1-32#	1-601	1-:81#				
TCLRCT	1-:82#						
TCLRRT	1-:83#						

TCMBEL	1-30#	1-273	1-:71#				
TCSECD	1-33#	1-544	1-:93#				
TCSECT	1-33#	1-:94#					
TCSETT	1-33#	1-:95#					
TDFILE	1-31#	1-760*	1-761	1-763*			
TEMP1	1-:52*	1-:54	1-:16#				
TEND	1-920	1-:19#					
TER1	1-:64	1-:74	1-:84	1-:94	1-:01#		
TEST	1-:48*	1-153*	1-154	1-158	1-:48#		
TEST1	1-:49*	1-150*	1-151	1-156*	1-:49#		
TIC	1-094*	1-967*	1-:02	1-:05*	1-:17#		
TICCTR	1-718*	1-723*	1-857#				
TIMTST	1-:47#	1-:50#					
TIMUP	1-720	1-853#					
TIMUP1	1-051#						
TIMUP2	1-789	1-805	1-828	1-837#			
TIMUP3	1-729	1-736	1-743	1-750	1-781	1-838#	
TTTEMP	1-:55*	1-:99*	1-:04	1-:15#			
VALVID	1-32#	1-585	1-:61#	1-:61#	1-:71	1-:04	1-704
	1-760	1-017#	1-035				
VCMDEN	1-344#	1-:31					
VEHCMD	1-24#	1-52					
VEHEND	1-:63#	1-777	1-018#	1-031			
VEHQUE	1-:63#	1-745	1-018#	1-024			
VSTAT	1-764	1-:63#					
VSTEND	1-767	1-:63#					

SCHLDR RT-1 CRO VM02-10 00:10:26 PAGE M-1
CROSS REFERENCE TABLE (CREF V01-04)

...CM1	1-20#	
...CM2	1-20#	
...CM3	1-20#	
...CM4	1-20#	
..V2..	1-9#	1-20
.REGDE	1-9#	1-21

1- 2	TYENT
1- 66	TYPRC
1-116	MOVPI
1-213	ALCCMD
1-235	BASECD
1-274	DSPCMD
1-320	FNDREC
1-356	GETSTR
1-414	WTVREF
1-468	GTVREF
1-522	FNDVRF
1-630	MOVBUF
1-680	VALVID
1-721	FNDBUF
1-762	RLSBUF
1-801	MESSP1
1-855	MOVK2
1-909	GTRHF
1-975	VALNO
1-025	WTRHF
1-081	LOGOV
1-118	BNDEC
1-138	BN2OCT
1-162	BN2DEC
1-192	OCTOBN
1-222	ASC2BN
1-258	BN2BCD
1-291	SAVREG
1-302	RSTREG
1-394	DSPRC
1-451	KBDENT
1-534	MOVK1
1-596	MOVCI

```

1      .TITLE  EXHELP
2      .SBTTL  TYENT
3      ;
4      ; INTERRUPT PROCESSOR FOR BASE STATION DECRYPTER (K2) INPUT.
5      ; STORES INPUT CHARACTER IN NEXT AVAILABLE BYTE IN 'BUFK2' TABLE.
6      ; SETS UP BASE STATION REQUEST TO PROCESS INPUT DATA WHENEVER A
7      ; 'CR' IS RECEIVED.  THE ADDRESS OF THE PROCESS TO EDIT THE INPUT
8      ; IS STORED IN THE 2ND WORD OF THE 'PDTK1' TABLE.
9      ;
10     .MCALL  ..V2...REGDEF..LOOKUP..READW..WRITW..CLOSE..SRESET
11 00000    ..V2..
12 00000    .REGDEF
13          .NLIST  BEX
14      ;
15      ;
16          .GLOBL  MOVP1,PDTK2,BUFK2,BSFLAG
17          .GLOBL  TYENT
18          .GLOBL  SAVREG,RSTREG
19      ;
20      ;
21      175620 XCSRK2 = 175620      ; 'K2' CONTROL & STATUS REG
22      175622 RBUFK2 = 175622      ; 'K2' RECEIVER BUFFER REG
23      175626 RBUFP1 = 175626      ; 'P1' RECEIVER DATA BUFFER REG
24 00000 010546 TYENT: MOV R5, -(SP) ; SAVE REGISTERS
25 00002 004567 JSR R5, SAVREG
26      ;
27      ; IS BUFFER ALREADY FULL?
28      ;
29 00006 005001 CLR R1
30 00010 005000 CLR R0
31 00012 116703 MOVB BUFK2,R3
32 00016 042703 BIC #177400,R3
33 00022 116704 MOVB BUFK2+2,R4
34 00026 042704 BIC #177400,R4
35 00032 116700 MOVB BUFK2+3,R0
36 00036 042700 BIC #177400,R0
37 00042 010402 MOV R4,R2
38 00044 160002 SUB R0,R2
39 00046 020004 CMP R0,R4
40 00050 100401 BMI ENUFA
41 00052 060302 ADD R3,R2
42 00054 005302 ENUFA: DEC R2
43 00056 001435 BEQ NOROMA
44 00060 010001 MOV R0,R1
45 00062 116760 MOVB RBUFK2,BUFK2+4(R0)
46 00070 116067 MOVB BUFK2+4(R0),RBUFP1
47 00076 142760 BICB #200,BUFK2+4(R0)
48 00104 005201 INC R1
49 00106 020103 CMP R1,R3
50 00110 100401 BMI UPIN
51 00112 005001 CLR R1
52 00114 110167 UPIN: MOVB R1,BUFK2+3
53 00120 122760 CMPB #15,BUFK2+4(R0)

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; BUFFER FULL
; SAVE INDEX OF NEW BYTE
; INPUT BYTE
; ECHO BYTE
; STRIP OFF PARITY

; UPDATE 'IN' PTR
; CHAR='CR' ?

```



```

54 00126 001010      BNE      NOCRA
55 00130 004567      JSR      R5,MOVPI      ; OUTPUT 'CRLF'
56 00134 000170      .WORD    CRLF
57 00136 000002      .WORD    2
58 00140 000000      .WORD    0
59 00142 052767      BIS      #1000,BSFLAG      ; SET 'BSFLG' TO INITIATE EDIT
60 00150 000403      NOCRA: BR      RETNX
61 00152 052767      NOROMA: BIS      #1000,BSFLAG      ; INITIATE EDIT AGAIN
62 00160 004567      RETNX: JSR      R5,RSTREG
63 00164 012605      MOV      (SP)+,R5      ; RESTORE REGISTERS
64 00166 000002      RTI
65 00170 015      CRLF: .BYTE    15,12
66      .SBTTL      TYPRC
67      ;
68      ; PRINT OUTPUT PROCESSOR FOR THE BASE STATION PRINTER (PI). MAY BE CALLED
69      ; EITHER BY AN INTERRUPT OR TO START OUTPUTTING A MESSAGE. USES
70      ; 'BUFP1' TABLE TO GET NEXT (FIRST) BYTE TO TRANSMIT. PHILOSOPHY IS TO
71      ; INITIALLY CALL THIS PROCESS TO TRANSFER THE FIRST BYTE OF A MESSAGE
72      ; AND THEN HAVE THE ROUTINE INTERRUPT DRIVEN (TRANSFER NEXT BYTE UPON
73      ; RECEIVING COMPLETION INTERRUPT ON LAST BYTE TRANSMISSION).
74      ;
75      ;      JMP      DISPRC      XPT CALL
76      ;      OR
77      ;      JSR      R5,KYP11      TRANSMIT FIRST CHARACTER
78      ;
79      175626 RBUFP1 =      175626      ; 'PI' RECEIVER DATA BUFFER REG
80      .GLOBL      BUFP1      ; BUFFER CONTAINING DATA TO PRINT
81      .GLOBL      TYPRC      ; XPT ENTRY POINT
82      .GLOBL      KYP11      ; ENTRY PT FOR 1ST BYTE
83 00172 010546      TYPRC: MOV      R5,-(SP)      ; SAVE R5
84 00174 005005      CLR      R5
85 00176 000403      BR      GTBYT
86 00200 010546      KYP11: MOV      R5,-(SP)      ; CALLED TO START PRINT
87 00202 012705      MOV      #1,R5
88 00206 010446      GTBYT: MOV      R4,-(SP)
89 00210 010346      MOV      R3,-(SP)
90 00212 010246      MOV      R2,-(SP)
91 00214 010146      MOV      R1,-(SP)
92 00216 010046      MOV      R0,-(SP)
93 00220 116700      MOV      BUFP1+2,R0
94 00224 126700      CMP      BUFP1+3,R0      ; CMPRE INPUT & OUTPUT BYTE PTRS
95 00230 001420      BEQ      FINI2      ; MESSAGE COMPLETE
96 00232 042700      BIC      #177400,R0
97 00236 005200      INC      R0
98 00240 110067      MOV      R0,BUFP1+2      ; INCREMENT OUTPUT POINTER
99 00244 116701      MOV      BUFP1,R1
100 0250 042701      BIC      #177400,R1
101 0254 020001      CMP      R0,R1      ; COMPART OTPT PTR TO LNGTH OF TBL
102 0256 100402      BMI      OUTA
103 0260 105067      CLRB      BUFP1+2
104 0264 116067      OUTA: MOV      BUFP1+3(R0),RBUFP1      ; OUTPUT NEXT BYTE
105 0272 012600      FINI2: MOV      (SP)+,R0      ; RESTORE REGISTERS
106 0274 012601      MOV      (SP)+,R1

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107 0276 012602      MOV      (SP)+,R2
108 0300 012603      MOV      (SP)+,R3
109 0302 012604      MOV      (SP)+,R4
110 0304 005705      TST      R5
111 0306 001402      BEQ      XPTRN
112 0310 012605      MOV      (SP)+,R5      ; INITIATE MESSAGE RETURN
113 0312 000205      RTS      R5
114 0314 012605      XPTRN: MOV      (SP)+,R5      ; INTERRUPT RETURN
115 0316 000002      RTI
116                .SBTTL  MOVP1
117                ;
118                ; MOVES DATA TO BASE STATION PRINTER (P1) OUTPUT BUFFER (BUFP1). INITIATES
119                ; OUTPUT DRIVER IF BUFFER WAS EMPTY PRIOR TO CALL. RETURNS 'ERROR' NOT = 0
120                ; IF BUFFER CANNOT HOLD NEW DATA
121                ;
122                ;      JSR      R5,MOVP1
123                ;      .WORD   SOURCE BUFFER ADDRESS
124                ;      .WORD   # CHARS
125                ;      .WORD   ERROR FLAG
126                ;
127                ;      .GLOBL  MOVP1,MOVP1X
128                ;      .GLOBL  BUFP1      ; P1 OUTPUT BUFFER
129                ;      .GLOBL  PDTP1
130                ;      .GLOBL  KYP11     ; ENTRY PT TO 'KYPRC'
131 0320 032767      MOVP1: BIT      #4,PDTP1
132 0326 001121      BNE      IGNORA
133 0330 032767      MOVP1X: BIT     #1,PDTP1
134 0336 001115      BNE      IGNORA
135 0340 010546      MOV      R5,-(SP)
136 0342 010446      MOV      R4,-(SP)
137 0344 010346      MOV      R3,-(SP)
138 0346 010246      MOV      R2,-(SP)
139 0350 010146      MOV      R1,-(SP)
140 0352 010046      MOV      R0,-(SP)
141 0354 012567      MOV      (R5)+,SOURCA      ; SOURCA ADDRESS
142 0360 042767      BIC      #1,SOURCA      ;FORCE ON WORD BOUNDARY
143 0366 012567      MOV      (R5)+,CHARSX1      ; # CHARS
144 0372 042767      BIC      #1,CHARSX1      ; # CHARS MUST BE EVEN
145 0400 010567      MOV      R5,ERROR1      ; ADDRESS OF ERROR1 FLAG
146 0404 005077      CLR      @ERROR1
147 0410 005002      CLR      R2      ; OUTPUT CHAR FLAG
148 0412 116703      MOVB     BUFP1,R3      ; TABLE R3 (#CHARS)
149 0416 042703      BIC      #177400,R3
150 0422 116704      MOVB     BUFP1+2,R4      ; R4PUT POSITION
151 0426 042704      BIC      #177400,R4
152 0432 116700      MOVB     BUFP1+3,R0      ; INPUT POSITION
153 0436 042700      BIC      #177400,R0
154                ;
155                ; DETERMINE IF BUFFER CAN HOLD NEW DATA
156                ;
157 0442 010401      MOV      R4,R1
158 0444 160001      SUB      R0,R1
159 0446 020004      CMP      R0,R4

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160 0450 001002      BNE      PEND1
161 0452 012702      MOV      #1,R2          ;SET R2 TO BEGIN OUTOUT DRIVER
162 0456 100401 PEND1: BMI      ENUF1
163 0460 060301      ADD      R3,R1
164 0462 005301 ENUF1: DEC      R1          ; ALLOW 'CRLF' ON END OF MSG
165 0464 005301      DEC      R1
166 0466 005301      DEC      R1
167 0470 020167      CMP      R1,CHARSX1
168 0474 100444      BMI      NOROMB
169
170      ; MOVE DATA
171
172 0476 010001      MOV      R0,R1
173 0500 016700      MOV      SOURCA,R0
174 0504 012061 MOVX:  MOV      (R0)+,BUFP1+4(R1)      ; MOVX DATA WORD
175 0510 005201      INC      R1
176 0512 005201      INC      R1
177 0514 020103      CMP      R1,R3          ; COMPARE PTR TO END OF TABLE
178 0516 100401      BMI      CKDON
179 0520 005001      CLR      R1
180 0522 005367 CKDON: DEC      CHARSX1      ; DECREMENT CHARACTER COUNT
181 0526 005367      DEC      CHARSX1
182 0532 001364      BNE      MOVX
183 0534 016761      MOV      CRLF,BUFP1+4(R1)      ; APPEND 'CRLF'
184 0542 005201      INC      R1
185 0544 005201      INC      R1
186 0546 020103      CMP      R1,R3
187 0550 100401      BMI      SETIT
188 0552 005001      CLR      R1
189 0554 110167 SETIT: MOV      R1,BUFP1+3      ;SET 'IN' PTR IN BUFP1
190
191      ; SEE IF OUTPUT DRIVER SHOULD BE CALLED
192
193 0560 005302      DEC      R2
194 0562 001013      BNE      END1
195 0564 004567      JSR      R5,KYP11      ; OUTPUT FIRST BYTE
196 0570 000410      BR       END1
197 0572 062705 IGNORA: ADD      #4,R5
198 0576 005015      CLR      (R5)
199 0600 062705      ADD      #2,R5
200 0604 000412      BR       RXT
201 0606 005277 NOROMB: INC      @ERROR1      ; SET ERROR = NO ROOM
202 0612 012600 END1:  MOV      (SP)+,R0
203 0614 012601      MOV      (SP)+,R1
204 0616 012602      MOV      (SP)+,R2
205 0620 012603      MOV      (SP)+,R3
206 0622 012604      MOV      (SP)+,R4
207 0624 012605      MOV      (SP)+,R5
208 0626 062705      ADD      #6,R5
209 0632 000205 RXT:   RTS      R5
210 0634 000000 SOURCA: .WORD    0
211 0636 000000 CHARSX1: .WORD   0
212 0640 000000 ERROR1: .WORD    0

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213      .SBTTL  ALCCMD
214      ;
215      ;      ALCCMD = ALERT/CONTROL PROCESSOR COMMAND FORMATTER - CARGO SEC.
216      ;
217      ;      OBJECT: TO LOAD DATA INTO THE ALERT/CONTROL COMMAND BUFFER IN
218      ;      SUPPORT OF THE VEHICLE COMMUNICATIONS MODULE
219      ;
220      .GLOBL  ALCCMD,ALFLAG,ACINPP,ACINPB,ACEND
221      ;
222 0642 010246 ALCCMD: MOV     R2,-(SP)
223 0644 012702      MOV     #ACINPB,R2
224 0650 066702      ADD     ACINPP,R2
225 0654 012522      MOV     (R5)+,(R2)+
226 0656 012522      MOV     (R5)+,(R2)+
227 0660 012522      MOV     (R5)+,(R2)+
228 0662 062767      ADD     #6,ACINPP
229 0670 020227      CMP     R2,#ACEND
230 0674 100402      BMI     AL1
231 0676 005067      CLR     ACINPP
232 0702 005267 AL1:  INC     ALFLAG
233 0706 012602      MOV     (SP)+,R2
234 0710 000205      RTS     R5
235      .SBTTL  BASECD
236      ;
237      ;      BASECD = BASE STATION COMMAND FORMATTER
238      ;
239      ;      OBJECT: TO LOAD DATA INTO BASE STATION COMMAND BUFFER IN SUPPORT
240      ;      OF INTERRUPT AND NORMAL PROCESSING MODULES
241      ;
242      .MCALL   ..V2....REGDEF
243 0712      ..V2...
244 0712      .REGDEF
245      .NLIST   BEX
246      .GLOBL  BASECD,BASECI,BSINPB,BSINPP,BSEND,BSFLAG
247      ;
248 0712 010246 BASECD: MOV     R2,-(SP)
249 0714 012702      MOV     #BSINPB,R2
250 0720 066702      ADD     BSINPP,R2
251 0724 012522      MOV     (R5)+,(R2)+
252 0726 012522      MOV     (R5)+,(R2)+
253 0730 062767      ADD     #4,BSINPP
254 0736 020227      CMP     R2,#BSEND
255 0742 100402      BMI     RETNA
256 0744 005067      CLR     BSINPP
257 0750 005267 RETNA: INC     BSFLAG
258 0754 012602      MOV     (SP)+,R2
259 0756 000205      RTS     R5
260      ;
261 0760 010146 BASECI: MOV     R1,-(SP)
262 0762 012701      MOV     #BSINPB,R1
263 0766 066701      ADD     BSINPP,R1
264 0772 012221      MOV     (R2)+,(R1)+
265 0774 012221      MOV     (R2)+,(R1)+

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266 0776 062767      ADD      #4,BSINPP
267 1004 020127      CMP      R1,#BSEND
268 1010 100402      BMI      RETN1A
269 1012 005067      CLR      BSINPP
270 1016 005267 RETN1A: INC      BSFLAG
271 1022 012601      MOV      (SP)+,R1
272 1024 000202      RTS      R2
273
274      ; SBTTL  DSPCMD
275      ;
276      ; DSPCMD = DISPATCH STATION COMMAND FORMATTER -- CARGO SECURITY
277      ;
278      ; OBJECT: TO LOAD DATA INTO DISPATCH STATION COMMAND BUFFER IN
279      ; SUPPORT OF INTERRUPT AND NORMAL PROCESSING MODULES
280      ;
281      ; .GLOBL DSPCMD,DSPCMDI,DSINPB,DSINPP,DSEND,DSFLAG,DSCOMP
282      ;
283 1026 010146 DSPCMDI: MOV      R1,-(SP)
284 1030 005767      TST      DSCOMP
285 1034 001403      BEQ      G02
286 1036 062702 G02A:  ADD      #4,R2
287 1042 000424      BR       RETNB1
288 1044 122767 G02:  CMPB     #23,DSFLAG
289 1052 100771      BMI      G02A
290 1054 012701      MOV      #DSINPB,R1
291 1060 066701      ADD      DSINPP,R1
292 1064 012221      MOV      (R2)+,(R1)+
293 1066 012221      MOV      (R2)+,(R1)+
294 1070 062767      ADD      #4,DSINPP
295 1076 020127      CMP      R1,#DSEND
296 1102 100402      BMI      RETNB
297 1104 005067      CLR      DSINPP
298 1110 105267 RETNB: INCB     DSFLAG
299 1114 012601 RETNB1: MOV      (SP)+,R1
300 1116 000202      RTS      R2
301 1120 010246 DSPCMD: MOV      R2,-(SP)
302 1122 005767      TST      DSCOMP
303 1126 001403      BEQ      G01
304 1130 062705 G01A:  ADD      #4,R5
305 1134 000424      BR       RETN1C
306 1136 122767 G01:  CMPB     #23,DSFLAG
307 1144 100771      BMI      G01A
308 1146 012702      MOV      #DSINPB,R2
309 1152 066702      ADD      DSINPP,R2
310 1156 012522      MOV      (R5)+,(R2)+
311 1160 012522      MOV      (R5)+,(R2)+
312 1162 062767      ADD      #4,DSINPP
313 1170 020227      CMP      R2,#DSEND
314 1174 100402      BMI      RETN1B
315 1176 005067      CLR      DSINPP
316 1202 105267 RETN1B: INCB     DSFLAG
317 1206 012602 RETN1C: MOV      (SP)+,R2
318 1210 000205      RTS      R5

```

```

319      ;
320      .SBTTL  FNDREC
321      ;
322      .GLOBL  FNDREC
323      ;
324      FNDREC
325      ;      UPON ENTRY R2 HAS LOGICAL STREET RECORD
326      ;
327      ;      UPON RETURN R3 HAS BLOCK #
328      ;      R4 HAS OFFSET INTO BLOCK
329      ;
330      ;
331      JSR      R5,FNDREC
332      ;
333 1212 010546 FNDREC: MOV      R5,-(SP)      ; SAVE UNUSED REGISTERS
334 1214 010146      MOV      R1,-(SP)
335 1216 010046      MOV      R0,-(SP)
336 1220 005302      DEC      R2
337 1222 005003      CLR      R3
338 1224 005203 FNDLP: INC      R3      ; DIVIXE BY 85
339 1226 162702      SUB      #85..R2
340 1232 100374      BPL      FNDLP
341 1234 062702      ADD      #85..R2      ; FIND
342 1240 010204      MOV      R2,R4      ; OFFSET
343 1242 060204      ADD      R2,R4
344 1244 060204      ADD      R2,R4
345 1246 060204      ADD      R2,R4
346 1250 060204      ADD      R2,R4
347 1252 060204      ADD      R2,R4
348      ;
349      ;      RESTORE REGISTERS AND RETURN
350      ;
351 1254 012600      MOV      (SP)+,R0
352 1256 012601      MOV      (SP)+,R1
353 1260 012605      MOV      (SP)+,R5
354 1262 000205      RTS      R5
355      ;
356      .SBTTL  GETSTR
357      ;      THIS SUBROUTINE WILL READ A RECORD
358      ;      OF THE STFILE
359      ;
360      ;      SUBROUTINE CALL:
361      ;      R3 HAS BLOCK #
362      ;      R4 HAS BUFFER ADDRESS
363      ;
364      JSR      R5,GETSTR
365      ;
366      ON
367      ;      R0=0 IF NO ERROR OR ERROR MESSAGE#
368      ;
369      .MCALL  ..V2....REGDEF,.LOOKUP,.READW,.CLOSE,.SRESET
370      .NLIST  BEX
371 1264      ..V2..
  
```

```

372 1264      .REGDEF
373      ;
374      .GLOBL  GETSTR
375      ;
376 1264 010546 GETSTR: MOV     R5,-(SP)
377 1266 010446      MOV     R4,-(SP)
378 1270 010346      MOV     R3,-(SP)
379 1272 010246      MOV     R2,-(SP)
380 1274 010146      MOV     R1,-(SP)
381 1276 010367      MOV     R3,BLK4
382 1302 010467      MOV     R4,BUFAD4
383      ;
384      ;
385 1306      .LOOKUP #AREA1,#7.,#STFILE
386 1340 103003      BCC      GOONY      ; FILE FOUND GOON
387 1342 012700      MOV     #19.,R0      ; MSG #
388 1346 000447      BR       ERET1Y      ; ERROR RETURN
389      ;
390      ;
391      ;
392 1350      GOONY:  .READW  #AREA2,#7,BUFAD4,#256.,BLK4
393 1420 103005      BCC      CONTY      ; READ OK
394 1422 016700      MOV     52,R0
395 1426 062700      ADD     #16,R0      ; ERROR MESSAGE
396 1432 000415      BR       ERET1Y
397 1434      CONTY:  .CLOSE  #7
398 1446      .SRESET
399 1450 005000      CLR      R0      ; NORMAL RETURN
400 1452 012601      ERET1Y: MOV     (SP)+,R1
401 1454 012602      MOV     (SP)+,R2
402 1456 012603      MOV     (SP)+,R3
403 1460 012604      MOV     (SP)+,R4
404 1462 012605      MOV     (SP)+,R5
405 1464 000205      RTS      R5
406 1466      ERET1Y: .CLOSE  #7
407 1500      .SRESET
408 1502 000763      BR       ERET1Y
409 1504      AREA1:  .BLKW   5
410 1516 07:126 STFILE: .RAD50  /RK0STFILE  /
411 1526      AREA2:  .BLKW   5
412 1540 000000      BUFAD4: .WORD   0
413 1542 000000      BLK4:  .WORD   0
414      .SBTTL  WTVREF
415      ;
416      ;
417      ;
418      ;
419      ;
420      ;
421      ;
422      ;
423      ;
424      ;

```

THIS SUBROUTINE WILL WRITE A RECORD OF VREF

SUBROUTINE CALL:

R3 HAS BLOCK #

R4 HAS BUFFER ADDRESS

JSR R5,WTVREF

ON RETURN:

```

425      ;
426      ;      R0=0 IF NO ERROR, OTHERWISE ERROR MESSAGE#
427      ;
428      ;      .GLOBL  WTVREF
429      ;
430 1544 010546 WTVREF: MOV      R5,-(SP)
431 1546 010446      MOV      R4,-(SP)
432 1550 010346      MOV      R3,-(SP)
433 1552 010246      MOV      R2,-(SP)
434 1554 010146      MOV      R1,-(SP)
435 1556 010367      MOV      R3,BLK3
436 1562 010467      MOV      R4,BUFAD3
437      ;
438      ;      OPEN CHANNEL
439 1566      .LOOKUP #AREA3,#7.,#VREF
440 1620 103003      BCC      GOONC          ; FILE FOUND GOON
441 1622 012700      MOV      #29.,R0        ; MSG #
442 1626 000717      BR       ERET1Y        ; ERROR RETURN
443      ;
444      ;      READ FILE
445      ;
446 1630      GOONC:  .WRITW  #AREA4,#7.,BUFAD3,#256.,BLK3
447 1700 103005      BCC      CONTW          ; WRITE OK
448 1702 016700      MOV      52,R0
449 1706 062700      ADD      #30.,R0
450 1712 000415      BR       ERET1W
451 1714      CONTW:  .CLOSE  #7
452 1726      .SRESET
453 1730 005000      CLR      R0
454 1732 012601 ERETW: MOV      (SP)+,R1
455 1734 012602      MOV      (SP)+,R2
456 1736 012603      MOV      (SP)+,R3
457 1740 012604      MOV      (SP)+,R4
458 1742 012605      MOV      (SP)+,R5
459 1744 000205      RTS      R5
460 1746      ERET1W: .CLOSE  #7
461 1760      .SRESET
462 1762 000763      BR       ERETW
463 1764      AREA3:  .BLKW   5
464 1776 07:126 VREF: .RAD50. /RK0VREF
465 2006      AREA4:  .BLKW   5
466 2020 000000 BUFAD3: .WORD  0
467 2022 000000 BLK3:  .WORD  0
468      .SBTTL  GTVREF
469      ;
470      ;      THIS SUBROUTINE WILL READ A RECORD OF VREF
471      ;
472      ;      SUBROUTINE CALL:
473      ;          R3 HAS BLOCK #
474      ;          R4 HAS BUFFER ADDRESS
475      ;
476      ;      JSR      R5,GTVREF
477      ;

```



```

478      ;      ON RETURN:
479      ;
480      ;      R0=0 IF NO ERROR, OTHERWISE ERROR MESSAGE#
481      ;
482      ;      .GLOBL  GTVREF
483      ;
484 2024 010546 GTVREF: MOV      R5, -(SP)
485 2026 010446      MOV      R4, -(SP)
486 2030 010346      MOV      R3, -(SP)
487 2032 010246      MOV      R2, -(SP)
488 2034 010146      MOV      R1, -(SP)
489 2036 010367      MOV      R3, BLK2
490 2042 010467      MOV      R4, BUFAD2
491 2046 005067      CLR      SAV
492      ;
493      ;      OPEN CHANNEL
494 2052      .LOOKUP #AREA5, SAV, #VREF
495 2104 103004      BCC      GOONB      ; FILE FOUND GOON
496 2106 012767      MOV      #20, SAV      ; MSG #
497 2114 000452      BR      ERET1
498      ;
499      ;      READ FILE
500      ;
501 2116      GOONB:  .READW  #AREA6, SAV, BUFAD2, #256, .BLK2
502 2166 103007      BCC      CONT      ; READ OK
503 2170 016767      MOV      52, SAV
504 2176 062767      ADD      #21, SAV
505 2204 000416      BR      ERET1
506 2206      CONT:  .CLOSE  #0
507 2220      .SRESET
508 2222 012601 ERET:  MOV      (SP)+, R1
509 2224 012602      MOV      (SP)+, R2
510 2226 012603      MOV      (SP)+, R3
511 2230 012604      MOV      (SP)+, R4
512 2232 012605      MOV      (SP)+, R5
513 2234 016700      MOV      SAV, R0
514 2240 000205      RTS      R5
515 2242      ERET1: .CLOSE  #0
516 2254      .SRESET
517 2256 000761      BR      ERET
518 2260      AREA5:  .BLKW  5
519 2272      AREA6:  .BLKW  5
520 2304 000000 BUFAD2: .WORD  0
521 2306 000000 BLK2:  .WORD  0
522      .SBTTL  FNDVRF
523      .GLOBL  FNDVRF
524      ;
525      ; THIS SUBROUTINE WILL FIND THE BLOCK # OF VREF
526      ; FOR A GIVEN VEHICLE # AND TRUCKING COMPANY.
527      ; IT WILL ALSO UPDATE THE VREF RECORD WITH THE ID #
528      ; PASSED.
529      ;
530      ;

```

```

531      ; SUBROUTINE CALL:
532      ;      R1 HAS TRUCKING CO
533      ;      R2 ADDRESS OF VEHICLE #
534      ;      R3 VEHICLE ID
535      ; JSR      R5,FNDVRF
536      ; RES:    .WORD 0
537      ;
538      ; SUBROUTINE RETURN
539      ;      RES CONTAINS BLOCK #, -1 IF NOT FOUND
540      ;
541      ;
542      ;
543      ; .GLOBL  WTVREF,FNDBUF,RLSBUF,VOLATL,GTVREF
544      ; .GLOBL  TRKTRN,MAXTRK
545      ;
546      ;
547 2310 010546 FNDVRF: MOV      R5,-(SP)
548 2312 010446      MOV      R4,-(SP)
549 2314 010346      MOV      R3,-(SP)
550 2316 010246      MOV      R2,-(SP)
551 2320 010146      MOV      R1,-(SP)
552 2322 010046      MOV      R0,-(SP)
553 2324 010167      MOV      R1,TRUCK      ; TRUCKING COMPANY
554 2330 010267      MOV      R2,VADD      ; ADDRESS VEH #
555 2334 010367      MOV      R3,VIX      ; ID
556 2340 005067      CLR      LOWER      ; SET LOWER
557 2344 016767      MOV      TRKTRN,UPPER ; AND UPPER BLK LIMITS
558 2352 005367      DEC      UPPER      ; FOR TRANSCON
559 2356 032767      BIT      #1,TRUCK
560 2364 001410      BEQ      GOON
561      ;
562      ;
563 2366 016767      MOV      TRKTRN,LOWER ; SET LOWER AND UPPER
564 2374 016767      MOV      MAXTRK,UPPER ; FOR GI
565 2402 005367      DEC      UPPER
566 2406 005002 GOON: CLR      R2      ; GET AVAILABLE
567 2410 004567 TRY:  JSR      R5,FNDBUF ; 256 WORD BUFFER
568 2414 000000 BUFA: .WORD 0      ;
569 2416 005767      TST      BUFA
570 2422 001006      BNE      BUFOK
571 2424 005202      INC      R2      ; BUFFER NOT AVAILABLE
572 2426 020267      CMP      R2,VOLATL ; LIMIT REACHED
573 2432 100766      BMI      TRY      ; NO
574 2434 000167      JMP      ERRET
575 2440 016703 BUFOK: MOV      LOWER,R3 ; BLOCK #
576 2444 016704      MOV      BUFA,R4 ; BUFFER ADDRESS
577 2450 004567      JSR      R5,GTVREF
578 2454 005700      TST      R0
579 2456 001061      BNE      ERRETS ; ERROR ON READ
580      ;
581      ; LOOK AT VEHICLE #
582      ;
583 2460 016701      MOV      VADD,R1 ; VEHICLE ADDRESS

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584 2464 016702      MOV      BUFA,R2
585 2470 12:162      CMPB     (R1),40.(R2)      ; LOOK FOR VEHICLE #
586 2474 00:056      BNE      NEXT1
587 2476 126162      CMPB     1(R1),41.(R2)
588 2504 00:052      BNE      NEXT1
589 2506 126162      CMPB     2(R1),42.(R2)
590 2514 00:046      BNE      NEXT1
591                ;
592                ;      FOUND VEHICLE #
593                ;
594 2516 026712      CMP      VIX,(R2)      ; UPDATE VEHICLE
595 2522 00:412      BEQ      RLS            ; ID
596 2524 016712      MOV      VIX,(R2)      ; IF
597 2530 016703      MOV      LOWER,R3      ; NEEDED
598 2534 016704      MOV      BUFA,R4
599 2540 004567      JSR      R5,WTVREF
600 2544 005700      TST      R0
601 2546 00:025      BNE      ERRETS
602 2550 016767 RLS:  MOV      BUFA,BUFR
603 2556 004567      JSR      R5,RLSBUF      ; RELEASE BUFFER
604 2562 000000 BUFR: .WORD      0
605 2564 012600 RYT:  MOV      (SP)+,R0
606 2566 012601      MOV      (SP)+,R1
607 2570 012602      MOV      (SP)+,R2
608 2572 012603      MOV      (SP)+,R3
609 2574 012604      MOV      (SP)+,R4
610 2576 012605      MOV      (SP)+,R5
611 2600 016715      MOV      LOWER,(R5)
612 2604 062705      ADD      #2,R5
613 2610 000205      RTS      R5            ; RETURN
614                ;
615 2612 012767 ERRET: MOV      #-1,LOWER
616 2620 000761      BR       RYT
617                ;
618 2622 012767 ERRETS: MOV     #-1,LOWER
619 2630 000747      BR       RLS
620                ;
621 2632 005267 NEXT1: INC      LOWER
622 2636 026767      CMP      UPPER,LOWER      ; ANY MORE TO LOOK AT?
623 2644 100766      BMI      ERRETS            ; NO
624 2646 000167      JMP      BUFOK
625 2652 000000 TRUCK: .WORD      0      ; TRUCKING COMPANY
626 2654 000000 VADD:  .WORD      0      ; VEHICLE ADDRESS
627 2656 000000 VIX:   .WORD      0      ; VEHICLE ID
628 2660 000000 UPPER: .WORD      0
629 2662 000000 LOWER: .WORD      0
630                .SBTTL  MOVBUF
631                .GLOBL  MOVBUF
632                ;      THIS SUBROUTINE WILL MOVE CHARACTERS FROM SOURCE
633                ;      TO DESTINATION BASED ON A TABLE.
634                ;
635                ;
636                ;      THE TABLE CONTAINS THE FOLLOWING INFORMATION IN GROUPS

```

```

637      ;      OF THREE WORDS
638      ;      WORD 1 OFFSET INTO SOURCE
639      ;      WORD 2 OFFSET INTO DESTINATION
640      ;      WORD 3 NUMBER OF CHARACTERS TO MOVE
641      ;
642      ;      WORD 3N+1 OFFSET INTO SOURCE
643      ;      WORD 3N+2 OFFSET INTO DESTINATION
644      ;      WORD 3N+3 NUMBER OF CHARACTERS
645      ;
646      ;      WORD -1 DENOTES END OF TABLE
647      ;
648      ;
649      ;      CALLING PARAMETERS
650      ;      JSR      R5,MOVBUF
651      ;
652      ;      R1 = TABLE ADDRESS
653      ;      R2 = SOURCE ADDRESS
654      ;      R3 = DESTINATION ADDRESS
655      2664 010546 MOVBUF: MOV      R5,-(SP)      ; SAVE REGISTERS
656      2666 010446      MOV      R4,-(SP)
657      2670 010346      MOV      R3,-(SP)
658      2672 010246      MOV      R2,-(SP)
659      2674 010146      MOV      R1,-(SP)
660      2676 010046      MOV      R0,-(SP)
661      2700 005711 MVLOOP: TST      (R1)      ; IF NEGATIVE THEN THRU
662      2702 100412      BMI      MTHRU
663      2704 012104      MOV      (R1)+,R4      ; OFFSET INTO SOURCE
664      2706 012105      MOV      (R1)+,R5      ; OFFSET INTO DESTINATION
665      2710 012100      MOV      (R1)+,R0      ; # CHARACTERS
666      2712 060204      ADD      R2,R4
667      2714 060305      ADD      R3,R5
668      2716 112425 MLOOP: MOVB      (R4)+,(R5)+
669      2720 005300      DEC      R0
670      2722 100766      BMI      MVLOOP
671      2724 001765      BEQ      MVLOOP
672      2726 000773      BR       MLOOP
673      2730 012600 MTHRU: MOV      (SP)+,R0
674      2732 012601      MOV      (SP)+,R1
675      2734 012602      MOV      (SP)+,R2
676      2736 012603      MOV      (SP)+,R3
677      2740 012604      MOV      (SP)+,R4
678      2742 012605      MOV      (SP)+,R5
679      2744 000205      RTS      R5
680      ;      .SBTTL VALVID
681      ;      .GLOBL VALVID
682      ;      THIS SUBROUTINE WILL VALIDATE THE VEHICLE ID
683      ;      PASSED TO IT AND RETURN THE ADDRESS OF VSTAT FOR THIS ID.
684      ;
685      ;
686      ;
687      ;      CALLING PARAMETERS:
688      ;      R3 CONTAINS THE BINARY ID
689      ;      JSR      R5,VALVID

```

```

690 ;
691 ;
692 ; RETURN PARAMETERS:
693 ; R2 CONTAINS ADDRESS OF VSTAT
694 ; R1 CONTAINS 0 IF FOUND
695 ; R1 NOT EQUAL TO ZERO IF NOT FOUND
696 ;
697 ;
698 ; .GLOBL MAXTRK
699 ; .GLOBL LNGVST
700 ; .GLOBL VSTAT
701 ;
702 ; UPON ENTRY R3 HAS ID TO COMPARE FOR
703 ; UPON RETURN R2 HAS ADDRESS OF VSTAT FOR THIS ID. R1=0 IF FOUND
704 2746 010546 VALVID: MOV R5, -(SP)
705 2750 010446 MOV R4, -(SP)
706 2752 016704 MOV MAXTRK, R4 ; MAX # TRKS ON SYSTEM
707 2756 012702 MOV #VSTAT, R2 ; ADDRESS OF VSTAT
708 2762 12:203 LOOPID: CMPB (R2), R3 ; COMPARE ID
709 2764 00:407 BEQ OUTVID ; FOUND SO EXIT
710 2766 162704 SUB #1, R4 ; TEST FOR ALL LOOKED AT
711 2772 005704 TST R4
712 2774 00:407 BEQ ERRVID ; IF ZERO NOT FOUND
713 2776 066702 ADD LNGVST, R2 ; ADD LENGTH/ENTRY TO R2
714 3002 000767 BR LOOPID
715 3004 005001 OUTVID: CLR R1 ; SET R1 FOR FOUND ENTRY
716 3006 012604 RETVID: MOV (SP)+, R4 ; RESTORE REGISTERS
717 3010 012605 MOV (SP)+, R5
718 3012 000205 RTS R5 ; RETURN FROM SUBROUTINE
719 3014 012701 ERRVID: MOV #1, R1 ; SET ERROR FLAG
720 3020 000772 BR RETVID
721 ; .SBTTL FNDBUF
722 ;
723 ; SUBR TO ALLOCATE A 256 WORD WORK BLOCK FROM THE 'VOLATL' BUFFER.
724 ; THE RETURN PARAMETER IS SET TO ZERO WHENEVER THE BUFFER IS TOTALLY
725 ; ALLOCATED. SUBR RLSBUF MUST BE CALLED TO RELEASE THE WORK BLOCK
726 ; ALLOCATED BY THIS SUBR.
727 ;
728 ; JSR R5, FNDBUF
729 ; .WORD ADR OF 256 WORD BUFFER RETURNED
730 ; =0 IF ALL ARE ALLOCATED.
731 ;
732 ; .GLOBL VOLATL
733 ; .GLOBL FNDBUF
734 3022 010146 FNDBUF: MOV R1, -(SP) ; SAVE REGISTERS
735 3024 010046 MOV R0, -(SP)
736 ;
737 ; COMPUTE ADDRESS OF FIRST BLOCK
738 ;
739 3026 016700 MOV VOLATL+2, R0
740 3032 005200 INC R0
741 3034 006200 ASR R0
742 3036 006300 ASL R0

```

```

743 3040 062700      ADD      #4,R0
744 3044 062700      ADD      #VOLATL,R0      ; ADR OF FIRST 256 BLOCK
745 3050 005001      CLR      R1
746
747      ; LOOK FOR UNUSED BLK
748
749 3052 105761 LOOK:   TSTB     VOLATL+4(R1)      ; TEST LOCK-OUT BYTE = 0
750 3056 001410      BEQ      FOUNDD
751 3060 005201      INC      R1      ; LOOK AT NEXT 256 WD BUFFER
752 3062 062700      ADD      #512.,R0
753 3066 020167      CMP      R1,VOLATL+2
754 3072 100767      BMI      LOOK
755 3074 005025      CLR      (R5)+      ; ALL BUFFERS IN USE
756 3076 000403      BR       RETB
757 3100 010025 FOUNDD: MOV     R0,(R5)+      ; RETURN BUFFER ADDRESS
758 3102 105261      INCB     VOLATL+4(R1)      ; SET LOCK-OUT FLAG
759 3106 012600 RETB:  MOV     (SP)+,R0      ; RESTORE REGISTERS
760 3110 012601      MOV     (SP)+,R1
761 3112 000205      RTS      R5
762      .SBTTL  RLSBUF
763
764      ; SUBR TO RELEASE 256 WORD WORK BLOCK IN 'VOLATL' PREVIOUSLY ALLOCATED
765      ; BY FNDBUF SUBR.
766
767      ; JSR      R5,RLSBUF
768      ; .WORD    ADR OF WORK BLOCK TO RELEASE
769
770
771      ; GLOBL  VOLATL
772      ; GLOBL  RLSBUF
773 3114 010146 RLSBUF: MOV     R1,-(SP)      ; SAVE REGISTERS
774 3116 010046      MOV     R0,-(SP)
775
776      ; COMPUTE ADDRESS OF FIRST BLOCK
777
778 3120 016700      MOV     VOLATL+2,R0
779 3124 005200      INC      R0
780 3126 006200      ASR      R0
781 3130 006300      ASL      R0
782 3132 062700      ADD      #4,R0
783 3136 062700      ADD      #VOLATL,R0      ; ADR OF FIRST 256 BLOCK
784 3142 005001      CLR      R1
785
786      ; MATCH ADR PASSED TO DETERMINE BLOCK TO RELEASE
787
788 3144 021500 MATCH:  CMP     (R5),R0      ; ADDRESSES MATCH TEST
789 3146 001407      BEQ      FOUNDB
790 3150 005201      INC      R1
791 3152 062700      ADD      #512.,R0
792 3156 020167      CMP      R1,VOLATL+2
793 3162 100770      BMI      MATCH
794 3164 000402      BR       RETA
795 3166 105061 FOUNDB: CLRB     VOLATL+4(R1)      ; RESET LOCK-OUT FLAG

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796 3172 012600 RETA:  MOV    (SP)+,R0
797 3174 012601      MOV    (SP)+,R1
798 3176 005205      INC     R5
799 3200 005205      INC     R5
800 3202 000205      RTS     R5
801      .SBTTL  MESSP1
802      ;
803      ; UTILITY TO OUTPUT ERROR MESSAGES ON THE BASE STATION PRINTER (P1).
804      ; PRINTS 'BS ERROR XXX (- VID XX)'.
805      ;
806      ;
807      ; JSR     R5,MESSP1
808      ; R0= ERROR #
809      ; R1= VEH ID / OR 0
810      ; R2= MODULE #
811      ;
812      ;
813      .GLOBL  MESSP1
814      .GLOBL  'MOV1,BN2DEC
815      ;
816      ;
817      ;
818 3204 010546 MESSP1: MOV    R5,-(SP)          ; SAVE REGISTERS
819 3206 010446      MOV    R4,-(SP)
820 3210 010246      MOV    R2,-(SP)
821 3212 010146      MOV    R1,-(SP)
822 3214 010046      MOV    R0,-(SP)
823 3216 006302      ASL     R2
824 3220 016267      MOV    MODULE(R2),ERRMSG
825 3226 010004      MOV    R0,R4
826 3230 004567      JSR     R5,BN2DEC          ; CONVERT ERROR # TO ASCII
827 3234 062704      ADD     #3,R4
828 3240 112467      MOVB   (R4)+,NUMA
829 3244 112467      MOVB   (R4)+,NUMA+1
830 3250 112467      MOVB   (R4)+,NUMA+2          ; MOVE ERROR # TO PRINT BUF
831 3254 012767      MOV    #12,,CHARSY
832 3262 005701      TST     R1
833 3264 001414      BEQ     NOVEH
834 3266 010104      MOV    R1,R4
835 3270 004567      JSR     R5,BN2DEC
836 3274 062704      ADD     #4,R4
837 3300 112467      MOVB   (R4)+,VID
838 3304 112467      MOVB   (R4)+,VID+1
839 3310 012767      MOV    #20,,CHARSY
840 3316 004567 NOVEH: JSR     R5,MOV1          ; TRANSFER DATA FOR OUTPUT
841 3322 003362      .WORD   ERRMSG
842 3324 000000 CHARSY: .WORD   0
843 3326 000000      .WORD   0
844 3330 012600      MOV    (SP)+,R0
845 3332 012601      MOV    (SP)+,R1
846 3334 012602      MOV    (SP)+,R2
847 3336 012604      MOV    (SP)+,R4
848 3340 012605      MOV    (SP)+,R5

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049 3342 000205 RTS R5
050 3344 102 MODULE: .ASCII /BSEXVCALDSLTR/
051 3362 040 ERRMSG: .ASCII / MSG /
052 3372 040 NUMA: .ASCII / /
053 3376 055 .ASCII /- VID /
054 3404 040 VID: .ASCII / /
055 .SBTTL MOVK2
056 ;
057 ; MOVES NEXT INPUT REQUEST DATA FROM THE BASE STATION TTY KEYBOARD (K2)
058 ; INPUT BUFFER TO THE GIVEN DESTINATION BUFFER. THE NUMBER OF CHARACTERS
059 ; TRANSFER IS RETURNED IN THE 2ND ARGUMENT.
060 ;
061 ;
062 ; JSR R5,MOVK2
063 ; .WORD DESTINATION BUFFER
064 ; .WORD # CHARS (RETURNED)
065 ;
066 .MCALL ..V2...REGDEF
067 3406 ..V2..
068 3406 .REGDEF
069 .NLIST BEX
070 .GLOBL MOVK2,BUFK2
071 ;
072 3406 010446 MOVK2: MOV R4,-(SP) ;SAVE REGRS
073 3410 010346 MOV R3,-(SP)
074 3412 010246 MOV R2,-(SP)
075 3414 010146 MOV R1,-(SP)
076 3416 010046 MOV R0,-(SP)
077 3420 012501 MOV (R5)+,R1 ;DESTIN ADR
078 3422 005002 CLR R2 ;# CHARS
079 3424 116703 MOVB BUFK2+2,R3 ;OUT PTR
080 3430 042703 BIC #177400,R3
081 3434 116704 MOVB BUFK2+3,R4 ;IN PTR
082 3440 042704 BIC #177400,R4
083 3444 116767 MOVB BUFK2,LENGTH ;TABLE LENGTH
084 3452 042767 BIC #177400,LENGTH
085 3460 005067 CLR CRFLG
086 3464 020304 NEXTX: CMP R3,R4 ;ANY (MORE) DATA ?
087 3466 001422 BEQ NOMOR
088 3470 116321 MOVEX: MOVB BUFK2+4(R3),(R1)+
089 3474 122763 CRCHK: CMPB #15,BUFK2+4(R3) ;TEST FOR 'CR'
090 3502 001003 BNE UPPTR1
091 3504 012767 MOV #-1,CRFLG
092 3512 005202 UPPTR1: INC R2 ;INCREMENT COUNT
093 3514 005203 INC R3
094 3516 020367 CMP R3,LENGTH
095 3522 100401 BMI NTEOT
096 3524 005003 CLR R3
097 3526 005767 NTEOT: TST CRFLG
098 3532 100354 BPL NEXTX
099 3534 110367 NOMOR: MOVB R3,BUFK2+2 ;UPDATE OUTPTR
100 3540 010225 MOV R2,(R5)+ ;RETURN # CHARS
101 3542 012600 MOV (SP)+,R0 ;RESTORE REGRS

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902 3544 012601      MOV      (SP)+,R1
903 3546 012602      MOV      (SP)+,R2
904 3550 012603      MOV      (SP)+,R3
905 3552 012604      MOV      (SP)+,R4
906 3554 000205      RTS       R5
907 3556 000000 LENGTH: .WORD   0
908 3560 000000 CRFLG: .WORD   0
909                .SBTTL  GTRHF
910                .GLOBL  GTRHF
911                ;      THIS SUBROUTINE WILL READ A BLOCK OF THE REQUESTED
912                ;      RECENT HISTORY FILE FOR A VEHICLE
913                ;
914                ;      SUBROUTINE CALL:
915                ;      R1 HAS VEHICLE # RAD50
916                ;      R2 HAS FILE 0,1,2
917                ;      R3 HAS BLOCK NUMBER
918                ;      R4 HAS BUFFER ADDRESS
919                ;
920                ;
921                ;      JSR      R5,GTRHF
922                ;
923                ;
924                ;      ON RETURN:
925                ;
926                ;      R0=0 IF NO ERROR, OTHERWISE ERROR MESSAGE #
927                ;
928 3562 010546 GTRHF:  MOV      R5,-(SP)
929 3564 010446      MOV      R4,-(SP)
930 3566 010346      MOV      R3,-(SP)
931 3570 010246      MOV      R2,-(SP)
932 3572 010146      MOV      R1,-(SP)
933 3574 010367      MOV      R3,BLK1
934 3600 010467      MOV      R4,BUFAD1
935 3604 010167      MOV      R1,RHFILE+4      ; VEHICLE # RAD50
936 3610 012701      MOV      #F1,R1
937 3614 060201      ADD      R2,R1
938 3616 060201      ADD      R2,R1
939 3620 011167      MOV      (R1),RHFILE+2      ; MOVE IN CORRECT FILE NAME
940                ;
941                ;      OPEN CHANNEL
942                ;
943 3624                .LOOKUP #AREA7,#7.,#RHFILE
944 3656 103003      BCC      GOONA      ; FILE FOUND GOON
945 3660 012700      MOV      #54,R0      ; MSG #
946 3664 000441      BR       ERETX
947                ;
948                ;      READ FILE
949                ;
950 3666      GOONA:  .READW  #AREA8,#7.,BUFAD1,#256.,BLK1
951 3736 103005      BCC      CONTX      ; READ OK
952 3740 016700      MOV      52,R0
953 3744 062700      ADD      #54,R0
954 3750 000415      BR       ERETIX

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955 3752      CONTX: .CLOSE #7
956 3764      .SRESET
957 3766 005000 CLR      R0
958 3770 012601 ERETX: MOV      (SP)+,R1
959 3772 012602      MOV      (SP)+,R2
960 3774 012603      MOV      (SP)+,R3
961 3776 012604      MOV      (SP)+,R4
962 4000 012605      MOV      (SP)+,R5
963 4002 000205      RTS      R5
964 4004      ERETIX: .CLOSE #7
965 4016      .SRESET
966 4020 000763 BR      ERETX
967 4022      AREA7: .BLKW      5
968 4034 07.126 RHFIL: .RAD50  /RKORHAVV /
969 4044 070701 F1:      .RAD50  /RHA/
970 4046 070702 F2:      .RAD50  /RHB/
971 4050 070703 F3:      .RAD50  /RHC/
972 4052      AREA8: .BLKW      5
973 4064 000000 BUFAD1: .WORD      0
974 4066 000000 BLK1:  .WORD      0
975      .SBTTL  VALNO
976      ;
977      ; SUBR TO VALIDATE & DETERMINE ENTRY IN VSTAT CONTAINING
978      ; GIVEN VEHICLE NUMBER IN ASCII.
979      ;
980      ;
981      ; SUBR CALL:
982      ;
983      ; JSR      R5,VALNO
984      ; .WORD    ADDRESS OF VEHICLE # (ASCII)
985      ; .WORD    RETURNED:
986      ;          CONTAINS ADDRESS OF VEHICLE ENTRY IN VSTAT
987      ;          OR
988      ;          0 FOR INVALID VEHICLE
989      ;
990      ;
991      ; .GLOBL  VALNO
992      ; .GLOBL  IRAD50
993      ; .GLOBL  VSTAT      ; VEHICLE STATUS TABLE
994      ; .GLOBL  LNGVST     ; LENGTH OF EACH ENTRY (#BYTES) IN VSTAT
995      ; .GLOBL  MAXTRK     ; TOTAL # OF TRUCKS
996      ;
997      ;
998 4070 010046 VALNO: MOV      R0,-(SP)      ;SAVE REGRS
999 4072 010146      MOV      R1,-(SP)
1000 074 012567      MOV      (R5)+,INPUT
1001 100 010546      MOV      R5,-(SP)
1002 102 012705      MOV      #XTAB,R5
1003 106 004767      JSR      PC,IRAD50
1004 112 016700      MOV      MAXTRK,R0
1005 116 012701      MOV      #VSTAT,R1
1006 122 105711 LOOP: TSTB     (R1)
1007 124 00.404      BEQ      NEXT3      ; SKIP ZERO ENTRY

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1008 126 026167      CMP      18.(R1),VEH      ;LOOP THRU VSTA- LOOKING FOR MATCH
1009 134 001405      BEQ      FOUNDC          ; ON VEHICLE #.
1010 136 066701 NEXT3: ADD      LNGVST,R1
1011 142 005300      DEC      R0
1012 144 001366      BNE      LOOP
1013 146 005001      CLR      R1
1014 150 012605 FOUNDC: MOV      (SP)+,R5      ;RESTORE REGS
1015 152 010125      MOV      R1,(R5)+
1016 154 012601      MOV      (SP)+,R1
1017 156 012600      MOV      (SP)+,R0      ; RESTORE REGISTERS
1018 160 000205      RTS      R5
1019 162 000003 XTAB:  .WORD    3
1020 164 004172      .WORD    NUMCHR
1021 166 000000 INPUT: .WORD    0
1022 170 004174      .WORD    VEH
1023 172 000003 NUMCHR: .WORD    3
1024 174 000000 VEH:  .WORD    0      ; VEHICLE # IN RAD50
1025      .SBTTL  WTRHF
1026      ;
1027      ;      WTRHF = WRITE RECENT HISTORY FILE TO DISK -- CARGO SECURITY
1028      ;
1029      ;      OBJECT: TO LOAD THE RECENT HISTORY DATA BUFFERS WITH INPUT
1030      ;      ALERT OR ALARM INFORMATION. THIS SUBROUTINE WILL WRITE
1031      ;      ONE BLOCK OF DATA TO THE VEHICLE RECENT HISTORY FILE.
1032      ;
1033      ;      SUBROUTINE CALL
1034      ;      R1 = RAD50 OF VEHICLE NO.
1035      ;      R2 = BLOCK NO.
1036      ;      R3 = ADDRESS OF DATA BUFFER
1037      ;      R4 = FILE 0, 1, OR 2
1038      ;
1039      ;      JSR      R5,WTRHF
1040      ;
1041      ;      ON RETURN
1042      ;
1043      ;      R0 = 0 IF NO ERROR, OTHERWISE ERROR MESSAGE NO.
1044      ;
1045      ;
1046      ;      .GLOBL  WTRHF,SAVREG,RSTREG
1047      ;
1048 176 004567 WTRHF: JSR      R5,SAVREG      ; SAVE REGISTERS
1049      ;
1050 202 010167      MOV      R1,RHFILE+4
1051 206 012701      MOV      #A,R1
1052 212 006304      ASL      R4
1053 214 060401      ADD      R4,R1
1054 216 011167      MOV      (R1),RHFILE+2
1055 222 005067      CLR      SAV
1056      ;
1057      ;      OPEN CHANNEL
1058      ;
1059 226      .LOOKUP #AREA9,#7,#RHFILE
1060 260 103004      BCC      NXT

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1061 262 012767      MOV      #4, SAV          ; ERROR #4
1062 270 000426      BR       NXT1
1063                ;
1064                ;      WRITE FILE
1065                ;
1066 272              NXT:    .WRITW  #AREA0, #7., R3, #256., R2
1067 336 103003      BCC      NXT1
1068 340 012767      MOV      #5, SAV          ; ERROR #5
1069 346              NXT1:  .CLOSE  #7
1070 360              .SRESET
1071 362 004567      JSR      R5, RSTREG        ; RESTORE REGISTERS
1072 366 016700      MOV      SAV, R0          ; RESTORE R0
1073 372 000205      RTS       R5              ; RETURN
1074                ;
1075                ;      INTAAL VARIABLES
1076                ;
1077 374 070701 A:     .RAD50  /RHARHBRHC/
1078 402              AREA9:  .BLKW  5
1079 414              AREA0:  .BLKW  5
1080 426 000000 SAV:    .WORD  0
1081                .SBTTL  LOGOV
1082                ;
1083                ;      LOG OUTPUT DATA SUBROUTINE
1084                ;
1085                .GLOBL  LOGOV, NOLOG, CTIME, LOGGER, INPUTA
1086                ;
1087 430 005767 LOGOV:  TST      NOLOG          ; IS NO LOG FLAG SET
1088 434 001046      BNE      LOGOVO          ; YES, GO AROUND
1089 436 006267      ASR      INPUTA+2
1090 442 006267      ASR      INPUTA+2
1091 446 106267      ASRB     INPUTA+2
1092 452 106267      ASRB     INPUTA+2
1093 456 142767      BICB     #300, INPUTA+2
1094 464 152767      BISB     #200, INPUTA+2
1095 472 106367      ASLB     INPUTA+3
1096 476 106367      ASLB     INPUTA+3
1097 502 106367      ASLB     INPUTA+3
1098 506 106367      ASLB     INPUTA+3
1099 512 142767      BICB     #17, INPUTA+3
1100 520 142767      BICB     #360, INPUTA
1101 526 156767      BISB     INPUTA, INPUTA+3
1102 534 016767      MOV      CTIME, INPUTA+4
1103 542 004567      JSR      R5, LOGGER
1104 546 004556      .WORD    INPUTA+2, 2
1105 552 000205 LOGOVO: RTS       R5
1106 554 000000 INPUTA: .WORD    0, 0, 0
1107                ;
1108                ;
1109                ;
1110                .GLOBL  ASCBIN, BN2OCT, BN2DEC, ASC2BN, OCTOBN, BNDEC, SAVREG, RSTREG
1111                .GLOBL  BUFP1, BUFK2
1112                .GLOBL  PDTC1, PDK1, PDTP1, PDK2
1113                .GLOBL  PDTC5, PDTC3

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1114      .GLOBL  TRKTRN,MAXTRK,LNGVS-
1115      .GLOBL  TTYBUF,MCNTC1
1116      .GLOBL  TDFILE
1117      ;
1118      .SBTTL  BNDEC
1119      ;
1120      ; CONVERT BINARY TO DECIMAL ASCII EQUIVALENT
1121      ;
1122 562 010467 BNDEC: MOV      R4,NUM      ; NUM = R4
1123 566 005004      CLR      R4          ; DIVIDE
1124 570 026727 LOPER: CMP     NUM,#10.    ; NUM
1125 576 002405      BLT      LOPES
1126 600 005204      INC      R4          ; BY
1127 602 162767      SUB     #10.,NUM      ; 10
1128 610 000767      BR      LOPER
1129 612 062704 LOPES: ADD     #60,R4      ; ADD ON ASCII BITS
1130 616 110467      MOV8     R4,ASCNUM     ; AND STORE UPPER DIGIT
1131 622 016704      MOV      NUM,R4      ; ADD ON ASCII BITS
1132 626 062704      ADD     #60,R4      ; AND STORE LOWER DIGIT
1133 632 110467      MOV8     R4,ASCNUM+1  ; SET
1134 636 016704      MOV      ASCNUM,R4    ; R4 = ASCII DIGITS
1135      ;
1136 642 000205      RTS      R5          ; RETURN
1137      ;
1138      .SBTTL  BN2OCT
1139      ;
1140      ; CONVERT BINARY TO ASCII OCTAL
1141      ;
1142 644 010346 BN2OCT: MOV     R3,-(SP)      ; SAVE R2,R3
1143 646 010246      MOV     R2,-(SP)
1144 650 012702      MOV     #5,R2
1145 654 010403 BN2OC1: MOV    R4,R3        ; MASK NEXT DIGIT
1146 656 042703      BIC     #177770,R3
1147 662 062703      ADD     #60,R3        ; ADD ASCII BITS
1148 666 110362      MOV8     R3,ATABL1(R2) ; STORE IN TABLE
1149 672 006204      ASR      R4          ; SHIFT NEXT DIGIT TO RIGHT
1150 674 006204      ASR      R4
1151 676 006204      ASR      R4
1152 700 005302      DEC      R2          ; DECREMENT AND TEST POINTER
1153 702 001364      BNE     BN2OC1
1154 704 042704      BIC     #177776,R4
1155 710 062704      ADD     #60,R4
1156 714 110462      MOV8     R4,ATABL1(R2) ; STORE LAST CHAR.
1157 720 012704      MOV      #ATABL1,R4
1158 724 012602      MOV      (SP)+,R2
1159 726 012603      MOV      (SP)+,R3
1160 730 000205      RTS      R5
1161      ;
1162      .SBTTL  BN2DEC
1163      ;
1164      ; BINARY TO DECIMAL ASCII CONVERSION
1165      ;
1166 732 010346 BN2DEC: MOV     R3,-(SP)

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1167 734 105067      CLRB   ATABLE
1168 740 005704      TST    R4
1169 742 003005      BGT    BN3
1170 744 112767      MOVB   #55,ATABLE
1171 752 005104      COM     R4
1172 754 005204      INC     R4
1173 756 012703 BN3:   MOV     #5,R3
1174 762 010467 BN1:   MOV     R4,TSAVEA
1175 766 010467      MOV     R4,NUM
1176 772 005004      CLR     R4
1177 774 026727 LOOPER: CMP    NUM,#10.      ; DIVIDE BY 10
1178 002 002405      BLT     LOOPES
1179 004 005204      INC     R4
1180 006 162767      SUB     #10.,NUM
1181 014 000767      BR      LOOPER
1182 016 122763 LOOPES: CMPB   #55,ATABLE(R3)
1183 024 001406      BEQ     BN2
1184 026 116763      MOVB   NUM,ATABLE(R3)      ; STORE ASCII REMAINDER IN TABLE
1185 034 152763      BISH   #60,ATABLE(R3)
1186 042 005303 BN2:   DEC     R3
1187 044 002346      BGE     BN1
1188 046 012704      MOV     #ATABLE,R4
1189 052 012603      MOV     (SP)+,R3      ; RESTORE R3
1190 054 000205      RTS      R5          ; RETURN
1191
1192      ; SBTTL  OCTOBN
1193
1194      ; OCTAL ASCII TO BINARY CONVERSION
1195
1196 056 010267 OCTOBN: MOV     R2,SR2D      ; SAVE REGISTERS
1197 062 010367      MOV     R3,SR3D
1198 066 010467      MOV     R4,SR4D
1199 072 005003      CLR     R3
1200 074 116402 OCT1:  MOVB   TTYBUF(R4),R2
1201 100 022702      CMP     #60,R2      ; IS LEGAL OCTAL CHAR
1202 104 003014      BGT     OCT2
1203 106 022702      CMP     #67,R2
1204 112 002411      BLT     OCT2
1205 114 042702      BIC     #177770,R2      ; REMOVE ASCII BITS
1206 120 006303      ASL     R3          ; MUL. NUM BY 8
1207 122 006303      ASL     R3
1208 124 006303      ASL     R3
1209 126 050203      BISH   R2,R3      ; ADD NEW DIGIT
1210 130 005204      INC     R4          ; INCREMENT POINTER
1211 132 000167      JMP     OCT1      ; CONTINUE
1212 136 020467 OCT2:  CMP     R4,SR4D      ; FIRST CHAR ?
1213 142 001403      BEQ     OCT3
1214 144 016702 OCT4:  MOV     SR2D,R2
1215 150 000205      RTS      R5          ; RETURN
1216 152 005205 OCT3:  INC     R5          ; ERROR
1217 154 005205      INC     R5          ; RETURN
1218 156 016703      MOV     SR3D,R3
1219 162 016704      MOV     SR4D,R4

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1220 166 000167      JMP      OCT4
1221                ;
1222                .SBTTL  ASC2BN
1223                ;
1224                ; DECIMAL ASCII TO BINARY
1225                ;
1226 172 010367 ASC2BN: MOV      R3,SR3E      ; SAVE R2,R3
1227 176 010467      MOV      R4,SR4E
1228 202 005003      CLR      R3
1229                ;
1230 204 122764 ASC1:  CMPB     #60,TTYBUF(R4) ; LEGAL DEC. CHAR ?
1231 212 003031      BGT      ASC3
1232 214 122764      CMPB     #71,TTYBUF(R4)
1233 222 002425      BLT      ASC3
1234 224 010367      MOV      R3,TSABEB
1235 230 006303      ASL      R3              ; OLD NUM X 10
1236 232 076303      ASL      R3
1237 234 006303      ASL      R3
1238 236 066703      ADD      TSABEB,R3
1239 242 066703      ADD      TSABEB,R3
1240 246 100417      BMI      ASC5
1241 250 116467      MOVB     TTYBUF(R4),TSABEB ; ADD NEW DIGIT
1242 256 066703      ADD      TSABEB,R3
1243 262 162703      SUB      #60,R3
1244 266 100407      BMI      ASC5
1245 270 005204      INC      R4
1246 272 000167      JMP      ASC1
1247                ;
1248 276 020467 ASC3:  CMP      R4,SR4E
1249 302 001401      BEQ      ASC5
1250 304 000205      RTS      R5              ; RETURN
1251                ;
1252 306 005205 ASC5:  INC      R5              ; ERROR
1253 310 005205      INC      R5
1254 312 016703      MOV      SR3E,R3
1255 316 016704      MOV      SR4E,R4
1256 322 000205      RTS      R5              ; RETURN
1257                ;
1258                .SBTTL  BN2BCD
1259                ;
1260                ;
1261                ; CONVERT BINARY TO BCD
1262                ;
1263 324 010246 BN2BCD: MOV      R2,-(SP)      ; SAVE R2,R3
1264 326 010346      MOV      R3,-(SP)
1265 330 012703      MOV      #4,R3          ; COUNTER FOR 4 DIGITS
1266 334 010467 BCD1:  MOV      R4,NUM
1267 340 005004      CLR      R4
1268 342 026727 BCD2:  CMP      NUM,#10.      ; DIVIDE BY 10
1269 350 002405      BLT      BCD3
1270 352 005204      INC      R4
1271 354 162767      SUB      #10.,NUM
1272 362 000767      BR       BCD2

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1273 364 022703 BCD3:  CMP      #4,R3      : ADD BCD CODE TO TABLE
1274 370 001004      BNE      BCD4
1275 372 010467      MOV      R4,ATABLE
1276 376 005002      CLR      R2
1277 400 000405      BR       BCD5
1278 402 006302 BCD4:  ASL      R2
1279 404 006302      ASL      R2
1280 406 006302      ASL      R2
1281 410 006302      ASL      R2
1282 412 060402      ADD      R4,R2
1283 414 005303 BCD5:  DEC      R3      : DECREMENT COUNTER AND
1284 416 002346      BGE      BCD1      : TEST FOR COMPLETE
1285 420 010267      MOV      R2,ATABLE+1 : STORE IN TABLE
1286 424 012704      MOV      #ATABLE,R4
1287 430 012603      MOV      (SP)+,R3   : RESTORE R2,R3
1288 432 012602      MOV      (SP)+,R2
1289 434 000205      RTS      R5      : RETURN
1290
1291      ; SBTTL  SAVREG
1292      ;
1293      ; SAVE REGISTERS
1294      ;
1295 436 010446 SAVREG: MOV      R4,-(SP)
1296 440 010346      MOV      R3,-(SP)
1297 442 010246      MOV      R2,-(SP)
1298 444 010146      MOV      R1,-(SP)
1299 446 010046      MOV      R0,-(SP)
1300 450 000205      RTS      R5
1301
1302      ; SBTTL  RSTREG
1303      ;
1304      ; RESTORE REGISTERS
1305      ;
1306 452 012600 RSTREG: MOV      (SP)+,R0
1307 454 012601      MOV      (SP)+,R1
1308 456 012602      MOV      (SP)+,R2
1309 460 012603      MOV      (SP)+,R3
1310 462 012604      MOV      (SP)+,R4
1311 464 000205      RTS      R5
1312
1313      ; INITIALIZED VARIABLES
1314      ;
1315 466 000000 TMULT:  .WORD    0
1316 470 000000 NUM:   .WORD    0
1317 472 000000 ASCNUM: .WORD    0
1318 474 000000 ATASL1: .WORD    000
1319      005504      . = .+6
1320 504 000000 TSAVEA: .WORD    000
1321 506 000000 ATABLE: .WORD    0.0.0
1322 514 000000 SR2D:  .WORD    000
1323 516 000000 SR3D:  .WORD    000
1324 520 000000 SR4D:  .WORD    000
1325 522 000000 SR3E:  .WORD    000

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1326 524 000000 SR4E: .WORD 000
1327 526 000000 TSAVEB: .WORD 000
1328 530 000000 TDFILE: .WORD 0
1329 532 000025 TRKTRN: .WORD 21.      ;# OF TRANSCON TRUCKS
1330 534 000051 MAXTRK: .WORD 41.      ;MAX # OF TRUCKS ON SYSTEM
1331 536 000052 LNGVST: .WORD 42.      ;LENGTH OF VSTAT ENTRY
1332 540          TTYBUF: .BLKW 10.
1333 564 000240 BUFP1: .WORD 160.
1334 566          000      .BYTE 0.0
1335          .BLKW 80.
1336 030 000050 BUFK2: .WORD 40.
1337 032          000      .BYTE 0.0
1338          .BLKW 20.
1339 104 000050 BUFK1: .WORD 40.
1340 106          000      .BYTE 0.0
1341          .BLKW 20.
1342 160 000240 BUFC1: .WORD 160.
1343 162          000      .BYTE 0.0
1344          .BLKW 80.
1345 424 000000 PDTC1: .WORD 0
1346 426 077777 MCNTC1: .WORD 77777.0.0.0.0.0
1347 442 000000 PDK1: .WORD 0.77777.0.0.0.0.0
1348 460 000000 PDTP1: .WORD 0.77777.0.0.0.0.0
1349 476 000000 PDK2: .WORD 0.77777.0.0.0.0.0
1350          ;
1351          ;
1352          ;   ASCBIN = ASCII TO BINARY CONVERSION ROUTINE -- CARGO SECURITY
1353          ;
1354          ;   OBJECT: THIS ROUTINE CONVERTS THE FIRST WORD OF THE PASSED DATA
1355          ;   (ASCII) TO A BINARY EQUIVALENT. THE INPUT DATA IS NOT
1356          ;   TESTED FOR VALIDITY OF FORMAT.
1357          ;
1358          ;
1359          ;   THE CALL TO THIS ROUTINE IS:
1360          ;       JSR      R5,ASCBIN
1361          ;       .WORD    ADDRESS OF DATA
1362          ;
1363          ;   THE CONTENTS OF R4 ARE DESTROYED BY THIS ROUTINE
1364          ;
1365          ;
1366 514 010346 ASCBIN: MOV      R3,-(SP)      ; SAVE REGISTER
1367 516 010246      MOV      R2,-(SP)      ; SAVE REGISTER
1368          ;
1369          ;   MULTIPLY FIRST CHARACTER TY 10
1370          ;
1371 520 012504      MOV      (R5)+,R4      ; GET INPUT DATA ADDRESS
1372 522 112402      MOVB     (R4)+,R2      ; TRANSFER DATA FROM ADDRESS
1373 524 042702      BIC      #177760,R2    ; CLEAR ALL BUT LOW BYTE DATA
1374 530 010203      MOV      R2,R3      ; STORE FOR MULTIPLY
1375 532 006302      ASL      R2          ; MULTIPLY
1376 534 006302      ASL      R2          ; BY
1377 536 006302      ASL      R2          ; 10
1378 540 060302      ADD      R3,R2

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1379 542 060302      ADD      R3,R2
1380                  ;
1381                  ;      ADD FIRST CHARACTER
1382                  ;
1383 544 11:403      MOVB      (R4),R3      ; GET NEXT CHAR.
1384 546 042703      BIC       #177760,R3   ; CLEAR ALL BUT LOWER BYTE DATA
1385 552 010204      MOV       R2,R4        ; STORE OUTPUT DATA
1386 554 060304      ADD       R3,R4        ; SUM OUTPUT IN R4
1387                  ;
1388                  ;      OUTPUT DATA IN R4 AND RETURN
1389                  ;
1390 556 012602      MOV       (SP)+,R2      ; RESTORE REGISTER
1391 560 012603      MOV       (SP)+,R3      ; RESTORE REGISTER
1392 562 000205      RTS        R5          ; RETURN
1393                  ;
1394                  ;.SBTTL  DISPRC
1395                  ;
1396                  ; DISPLAY OUTPUT PROCESSOR FOR THE BASE STATION CRT (C1).  MAY BE CALLED
1397                  ; EITHER BY AN INTERRUPT OR TO START OUTPUTTING A CRT DISPLAY.  USES
1398                  ; 'BUFC1' TABLE TO GET NEXT (FIRST) BYTE TO TRANSMIT.  PHILOSOPHY IS TO
1399                  ; INITIALLY CALL THIS PROCESS TO TRANSFER THE FIRST BYTE OF A DISPLAY
1400                  ; AND THEN HAVE THE ROUTINE INTERRUPT DRIVEN (TRANSFER NEXT BYTE UPON
1401                  ; RECEIVING COMPLETION INTERRUPT ON LAST BYTE TRANSMISSION).
1402                  ;
1403                  ;      JMP DISPRC          XPT CALL
1404                  ;      OR
1405                  ;      JMP      CRTC11      TRANSMIT FIRST CHARACTER
1406                  ;
1407                  ;.MCALL  ..V2....REGDEF
1408 564                  ;..V2..
1409 564                  ;.REGDEF
1410                  ;.NLIST  BEX
1411                  ;
1412      175636 RBUFC1  =      175636      ; 'C1' RECEIVER DATA BUFFER REG
1413                  ;.GLOBL  BUFC1          ; BUFFER CONTAINING DATA TO DISPLAY
1414                  ;.GLOBL  DISPRC          ; XPT ENTRY POINT
1415                  ;.GLOBL  CRTC11          ; ENTRY PT FOR 1ST BYTE
1416 564 010546 DISPRC: MOV      R5,-(SP)      ;SAVE R5
1417 566 005005      CLR       R5
1418 570 000403      BR        GETBYT
1419 572 010546 CRTC11: MOV      R5,-(SP)      ;CALLED TO START DISPLAY
1420 574 012705      MOV       #1,R5
1421 600 010446 GETBYT: MOV      R4,-(SP)
1422 602 010346      MOV       R3,-(SP)
1423 604 010246      MOV       R2,-(SP)
1424 606 010146      MOV       R1,-(SP)
1425 610 010046      MOV       R0,-(SP)
1426 612 116700      MOVB      BUFC1+2,R0
1427 616 126700      CMPB      BUFC1+3,R0
1428 622 00:420      BEQ       FINI          ; DISPLAY COMPLETE
1429 624 042700      BIC       #177400,R0
1430 630 005200      INC       R0
1431 632 110067      MOVB      R0,BUFC1+2

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1432 636 116701      MOV      BUFC1,R1
1433 642 042701      BIC      #177400,R1
1434 646 020001      CMP      R0,R1
1435 650 100402      BMI      OUT
1436 652 105067      CLRB     BUFC1+2
1437 656 116067 OUT:   MOV      BUFC1+3(R0),RBUFC1
1438 664 012600 FINI:  MOV      (SP)+,R0      ; RESTORE REGISTERS
1439 666 012601      MOV      (SP)+,R1
1440 670 012602      MOV      (SP)+,R2
1441 672 012603      MOV      (SP)+,R3
1442 674 012604      MOV      (SP)+,R4
1443 676 005705      TST      R5
1444 700 001402      BEQ      XPTRTN
1445 702 012605      MOV      (SP)+,R5
1446 704 000205      RTS      R5
1447 706 012605 XPTRTN: MOV      (SP)+,R5
1448 710 000002      RTI
1449 712 000000 RETFLG :.WORD 0      ; FLAG TO SHOW HOW ROUTINE WAS
                                         ; ENTERED
1450      ;
1451      .SBTTL  KBDENT
1452      ;
1453      ; CRT KEYBOARD INPUT PROCESSOR FOR THE BASE STATION. INTERRUPT DRIVEN.
1454      ; STORES INPUT CHARACTER IN NEXT AVAILABLE BYTE IN 'BUFK1' TABLE.
1455      ; SETS UP BASE STATION REQUEST TO PROCESS INPUT DATA WHENEVER A 'CR'
1456      ; NOT ASSOCIATED WITH A FUNCTION KEY IS RECEIVED.
1457      ;
1458      ;
1459      ;
1460      ;
1461      .MCALL ..V2....REGDEF
1462 714      ..V2..
1463 714      .REGDEF
1464      .NLIST  BEX
1465      ;
1466      175632 RBUFK1 =      175632      ; 'K1' RECEIVER DATA BUFFER REGR
1467      175630 XCSRK1 =      175630      ; 'K1' TRANSMITTER STATUS BUFFER
1468      175636 RBUFC1 =      175636      ; 'C1' RECEIVER DATA BUFFER REGR
1469      ;
1470      .GLOBL  BUFK1      ; INPUT STORAGE BUFFER
1471      .GLOBL  BSFLAG     ; BASE STATION FLAG
1472      .GLOBL  KBDENT     ; XPT ENTRY POINT
1473      .GLOBL  P0TK1      ; PHYSICAL DEVICE TABLE FOR 'K1'
1474 714 010546 KBDENT: MOV      R5,-(SP)      ;SAVE REGISTERS
1475 716 010446      MOV      R4,-(SP)
1476 720 010346      MOV      R3,-(SP)
1477 722 010246      MOV      R2,-(SP)
1478 724 010146      MOV      R1,-(SP)
1479 726 010046      MOV      R0,-(SP)
1480      ;
1481      ; IS BUFFER ALREADY FULL?
1482      ;
1483 730 005001      CLR      R1
1484 732 005000      CLR      R0

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1485 734 116702      MOVB   BUFK1,R2
1486 740 042702      BIC     #177400,R2
1487 744 116703      MOVB   BUFK1+2,R3
1488 750 042703      BIC     #177400,R3
1489 754 116704      MOVB   BUFK1+3,R4
1490 760 042704      BIC     #177400,R4
1491 764 010305      MOV     R3,R5
1492 766 160405      SUB     R4,R5
1493 770 020403      CMP     R4,R3
1494 772 100401      BMI     ENUF
1495 774 060205      ADD     R2,R5
1496 776 005305      ENUF:   DEC     R5
1497 000 001441      BEQ     NOR00M      ; BUFFER FULL
1498
1499      ; MOVE BYTE TO BUFK1
1500
1501 002 010400      MOV     R4,R0
1502 004 010001      MOV     R0,R1      ; SAVE INDEX OF NEW BYTE
1503 006 116760      MOVB   RBUFK1,BUFK1+4(R0)      ; MOVE BYTE
1504 014 116067      MOVB   BUFK1+4(R0),RBUFC1      ; ECHO BYTE
1505 022 142760      BICB   #200,BUFK1+4(R0)      ; STRIP OFF PARITY
1506 030 005200      INC     R0
1507 032 020002      CMP     R0,R2
1508 034 100401      BMI     SETPTR
1509 036 005000      CLR     R0
1510 040 110067      SETPTR: MOVB   R0,BUFK1+3      ; UPDATE 'IN' PTR
1511
1512      ; DETERMINE IF 'CR' RECEIVED IS OTHER THAN ONE ASSOCIATED WITH FUNCTION KEY.
1513      ; IF SO, THEN SETUP TO SCHEDULE EDIT PROCESS.
1514
1515 044 122761      CMPB   #15,BUFK1+4(R1)      ; LOOK FOR 'CR'
1516 052 001013      BNE     IGNORE
1517 054 005301      DEC     R1      ; SEE IF 'CR' IS ASSOCIATED WITH
1518 056 005301      DEC     R1      ; A FUNCTION KEY
1519 060 100001      BPL     SOH
1520 062 060201      ADD     R2,R1
1521 064 122761      SOH:   CMPB   #1,BUFK1+4(R1)      ; LOOK FOR 'SOH' 2 BYTES BACK
1522 072 001403      BEQ     IGNORE
1523 074 052767      BIS     #400,BSFLAG      ; SET 'BSFLAG' TO INITIATE EDIT
1524 102 000403      IGNORE: BR     RETURN
1525 104 052767      NOR00M: BIS     #400,BSFLAG      ; INITIATE EDIT AGAIN
1526 112 012600      RETURN: MOV     (SP)+,R0      ; RESTORE REGISTERS
1527 114 012601      MOV     (SP)+,R1
1528 116 012602      MOV     (SP)+,R2
1529 120 012603      MOV     (SP)+,R3
1530 122 012604      MOV     (SP)+,R4
1531 124 012605      MOV     (SP)+,R5
1532 126 000002      RTI      ; XPT RETURN
1533
1534      .SBTTL   MOVK1
1535
1536      ; MOVES NEXT INPUT REQUEST DATA FROM THE BASE STATION CRT KEYBOARD (K1)
1537      ; INPUT BUFFER TO THE GIVEN DESTINATION BUFFER. THE NUMBER OF CHARACTERS

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1538      ; TRANSFER IS RETURNED IN THE 2ND REGUMENT.
1539      ;
1540      ;
1541      ; JSR      R5,MOVK1
1542      ; .WORD    DESTINATION BUFFER
1543      ; .WORD    # CHARS (RETURNED)
1544      ;
1545      ; .MCALL    ..V2....REGDEF
1546 130      ; ..V2...
1547 130      ; .REGDEF
1548      ; .NLIST    BEX
1549      ; .GLOBL    MOVK1,BUFK1
1550      ;
1551 130 010446 MOVK1: MOV      R4,-(SP)      ;SAVE REGRS
1552 132 010346      MOV      R3,-(SP)
1553 134 010246      MOV      R2,-(SP)
1554 136 010146      MOV      R1,-(SP)
1555 140 010046      MOV      R0,-(SP)
1556 142 012501      MOV      (R5)+,R1      ;DESTIN ADR
1557 144 005002      CLR      R2              ;# CHARS
1558 146 116703      MOV      BUFK1+2,R3      ;OUT PTR
1559 152 042703      BIC      #177400,R3
1560 156 116704      MOV      BUFK1+3,R4      ;IN PTR
1561 162 042704      BIC      #177400,R4
1562 166 116700      MOV      BUFK1,R0      ;TABLE LENGTH
1563 172 042700      BIC      #177400,R0
1564 176 005067      CLR      CRFLAG          ;CR FLAG
1565 202 020304 NEXT: CMP      R3,R4          ;ANY (MORE) DATA ?
1566 204 001437      BEQ      NOMORE
1567 206 116321      MOV      BUFK1+4(R3),(R1)+
1568 212 005702      TST      R2
1569 214 001006      BNE      CRCHK
1570 216 122763      CMP      #1,BUFK1+4(R3)  ;TEST FOR 1ST CHAR = SOH
1571 224 001002      BNE      CRCHK
1572 226 005267      INC      CRFLAG
1573 232 122763 CRCHK: CMP      #15,BUFK1+4(R3) ;TEST FOR 'CR'
1574 240 001011      BNE      UPPTR
1575 242 005767      TST      CRFLAG          ;IGNORE IF ASSOCIATED WITH FK
1576 246 001403      BEQ      ENDX
1577 250 005067      CLR      CRFLAG
1578 254 000403      BR       UPPTR
1579 256 012767 ENDX:  MOV      #-1,CRFLAG
1580 264 005202 UPPTR: INC      R2              ;INCREMENT COUNT
1581 266 005203      INC      R3
1582 270 020300      CMP      R3,R0
1583 272 100401      BMI      NOTEOT
1584 274 005003      CLR      R3
1585 276 005767 NOTEOT: TST      CRFLAG
1586 302 100337      BPL      NEXT
1587 304 110367 NOMORE: MOV      R3,BUFK1+2      ;UPDATE OUTPTR
1588 310 010225      MOV      R2,(R5)+      ;RETURN # CHARS
1589 312 012600      MOV      (SP)+,R0      ;RESTORE REGRS
1590 314 012601      MOV      (SP)+,R1

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1591 316 012602      MOV      (SP)+,R2
1592 320 012603      MOV      (SP)+,R3
1593 322 012604      MOV      (SP)+,R4
1594 324 000205      RTS      R5
1595 326 000000 CRFLAG: .WORD    0
1596                .SBTTL  MOVCI
1597                ;
1598                ; MOVES DATA TO BASE STATION CRT (C:) OUTPUT BUFFER (BUFC1). INITIATES
1599                ; OUTPUT DRIVER IF BUFFER WAS EMPTY PRIOR TO CALL. RETURNS 'ERROR' NOT =0
1600                ; IF BUFFER CANNOT HOLD NEW DATA
1601                ;
1602                ; JSR      R5,MOVCI
1603                ; .WORD    SOURCE BUFFER ADDRESS
1604                ; .WORD    # CHARS
1605                ; .WORD    ERROR FLAG
1606                ;
1607                .MCALL    ..V2....REGDEF
1608 330                ..V2..
1609 330                .REGDEF
1610                .NLIST    BEX
1611                .GLOBL    MOVCI
1612                .GLOBL    PDTC1
1613                .GLOBL    BUFC1          ;C1 OUTPUT BUFFER
1614                .GLOBL    CRTCI1        ;ENTRY PT TO 'D:SPRC'
1615 330 032767 MOVCI:  BIT      #1,PDTC1
1616 336 001066      BNE      IGNORX
1617 340 010546      MOV      R5,-(SP)
1618 342 010446      MOV      R4,-(SP)
1619 344 010346      MOV      R3,-(SP)
1620 346 010246      MOV      R2,-(SP)
1621 350 010146      MOV      R1,-(SP)
1622 352 010046      MOV      R0,-(SP)
1623 354 012500      MOV      (R5)+,R0      ;SOURCE ADDRESS
1624 356 012567      MOV      (R5)+,CHARS    ;# CHARS
1625 362 010567      MOV      R5,ERROR      ;ADDRESS OF ERROR FLAG
1626 366 005077      CLR      QERROR
1627 372 005002      CLR      R2          ;OUTPUT CHAR FLAG
1628 374 116705      MOVB     BUFC1,R5      ;TABLE LENGTH (# CHARS)
1629 400 042705      BIC      #177400,R5
1630 404 116703      MOVB     BUFC1+2,R3      ;OUTPUT POSITION
1631 410 042703      BIC      #177400,R3
1632 414 116701      MOVB     BUFC1+3,R1      ;INPUT POSITION
1633 420 042701      BIC      #177400,R1
1634                ;
1635                ; DETERMINE IF BUFFER CAN HOLD NEW DATA
1636                ;
1637 424 010304      MOV      R3,R4
1638 426 160104      SUB      R1,R4
1639 430 020103      CMP      R1,R3
1640 432 001002      BNE      PEND
1641 434 012702      MOV      #1,R2          ;SET R2 TO BEGIN OUTPUT DRIVER
1642 440 100401 PEND: BMI      ENUFIX
1643 442 060504      ADD      R5,R4

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1644 444 005304 ENUF: DEC R4
1645 446 020467 CMP R4,CHARS
1646 452 100426 BMI NOROOM
1647 ;
1648 ; MOVE DATA
1649 ;
1650 454 112061 MOVE: MOV8 (R0)+,BUFC1+4(R1)
1651 460 005201 INC R1
1652 462 020105 CMP R1,R5
1653 464 100401 BMI CKDONE
1654 466 005001 CLR R1
1655 470 005367 CKDONE: DEC CHARS
1656 474 001367 BNE MOVE
1657 476 110167 MOV8 R1,BUFC1+3
1658 ;
1659 ; SEE IF OUTPUT DRIVER SHOULD BE CALLED
1660 ;
1661 502 005302 DEC R2
1662 504 001013 BNE END
1663 506 004567 JSR R5,CRTC11 ;OUTPUT FIRST BYTE
1664 512 000410 BR END
1665 514 062705 IGNORX: ADD #4,R5
1666 520 005015 CLR (R5)
1667 522 062705 ADD #2,R5
1668 526 000412 BR RET
1669 530 005277 NOROOM: INC @ERROR ;SET ERROR = NO ROOM
1670 534 012600 END: MOV (SP)+,R0 ;RESTORE REGISTERS
1671 536 012601 MOV (SP)+,R1
1672 540 012602 MOV (SP)+,R2
1673 542 012603 MOV (SP)+,R3
1674 544 012604 MOV (SP)+,R4
1675 546 012605 MOV (SP)+,R5
1676 550 062705 ADD #6,R5
1677 554 000205 RET: RTS R5
1678 556 000000 CHARS: .WORD 0
1679 560 000000 ERROR: .WORD 0
1680 000001 .END

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A	004374R	ACEND = ***** G	ACINPB= ***** G
ACINPP= ***** G		ALCCMD 000642RG	ALFLAG= ***** G
AL1 000702R		AREA0 004414R	AREA1 001504R
AREA2 001526R		AREA3 001764R	AREA4 002006R
AREA5 002260R		AREA6 002272R	AREA7 004022R
AREA8 004052R		AREA9 004402R	ASCBIN 006514RG
ASCTUM 005472R		ASC1 005204R	ASC2BN 005172RG
ASC3 005276R		ASC5 005306R	ATABLE 005506R
ATABL1 005474R		BASECD 000712RG	BASECI 000760RG
BCD1 005334R		BCD2 005342R	BCD3 005364R
BCD4 005402R		BCD5 005414R	BLK1 004066R
BLK2 002306R		BLK3 002022R	BLK4 001542R
BNDEC 004562RG		BN1 004762R	BN2 005042R
BN2BCD 005324R		BN2DEC 004732RG	BN2OCT 004644RG
BN2OC1 004654R		BN3 004756R	BSEND = ***** G
BSFLAG= ***** G		BSINPB= ***** G	BSINPP= ***** G
BUFA 002414R		BUFAD1 004064R	BUFAD2 002304R
BUFAD3 002020R		BUFAD4 001540R	BUFC1 006160RG
BUFK1 006104RG		BUFK2 006030RG	BUFOK 002440R
BUFP1 005564RG		BUFR 002562R	CHARS 007556R
CHARSX 000636R		CHARSY 003324R	CKDON 000522R
CKDONE 007470R		CONT 002206R	CONTW 001714R
CONTX 003752R		CONTY 001434R	CRCHEK 003474R
CRCHK 007232R		CRFLAG 007326R	CRFLG 003560R
CRLF 000170R		CRTC11 006572RG	CTIME = ***** G
DISPRC 006564RG		DSCOMP= ***** G	DSEND = ***** G
DSFLAG= ***** G		DSINPB= ***** G	DSINPP= ***** G
DSPCMD 001120RG		DSPCM1 001026RG	END 007534R
ENDX 007256R		END1 000612R	ENUF 006776R
ENUFA 000054R		ENUFX 007444R	ENUF1 000462R
ERET 002222R		ERETW 001732R	ERETX 003770R
ERETY 001452R		ERET1 002242R	ERET1W 001746R
ERET1X 004004R		ERET1Y 001466R	ERRET 002612R
ERRETS 002622R		ERRMSG 003362R	ERROR 007560R
ERROR1 000640R		ERRVID 003014R	FINC 006664R
FINI2 000272R		FNDBUF 003022RG	FNDLP 001224R
FNDREC 001212RG		FNDVRF 002310RG	FOUNDB 003166R
FOUND0 004150R		FOUND0 003100R	F1 004044R
F2 004046R		F3 004050R	GETBYT 006600R
GETSTR 001264RG		GOON 002406R	GOONA 003666R
GOONB 002116R		GOONC 001630R	GOONY 001350R
GO1 001136R		GO1A 001130R	GO2 001044R
GO2A 001036R		GTBYT 000206R	GTRHF 003562RG
GTVREF 002024RG		IGNORA 000572R	IGNORE 007102R
IGNORX 007514R		INPUT 004166R	INPUTA 004554RG
IRAD50= ***** G		KBDENT 006714RG	KYP1 000200RG
LENGTH 003556R		LNGVST 005536RG	LOGGER= ***** G
LOGOV 004430RG		LOGOVO 004552R	LOOK 003052R
LOOP 004122R		LOOPER 004774R	LOOPES 005016R
LOOPID 002762R		LOPER 004570R	LOPES 004612R
LOWER 002662R		MATCH 003144R	MAXTRK 005534RG
MCNTC1 006426RG		MESSP1 003204RG	MLOOP 002716R
MODULE 003344R		MOVBUF 002664RG	MOVCI 007330RG

MOVE	007454R	MOVEX	003470R	MOVK1	007130RG
MOVK2	003406RG	MOVPI	000320RG	MOVPIX	000330RG
MOVX	000504R	MTHRU	002730R	MVLOOP	002700R
NEXT	007202R	NEXTX	003464R	NEXT1	002632R
NEXT3	004136R	NOCRA	000150R	NOLG =	***** G
NOMOR	003534R	NOMORE	007304R	NOROMA	000152R
NOROMB	000606R	NOROOM	007530R	NOROM	007104R
NOTEOT	007276R	NOVEH	003316R	NTEOT	003526R
NUM	005470R	NUMA	003372R	NUMCHR	004172R
NXT	004272R	NXT1	004346R	OCTOBN	005056RG
OCT1	005074R	OCT2	005136R	OCT3	005152R
OCT4	005144R	OUT	006656R	OUTA	000264R
OUTVID	003004R	PC	=%000007	PDTCT	006424RG
PDTCT =	***** G	PDTCT5 =	***** G	PDTK1	006442RG
PDTK2	006476RG	PDTPI	006460RG	PEND	007440R
PEND1	000456R	RBUFC1=	175636	RBUFK1=	175632
RBUFK2=	175622	RBUFP1=	175626	RET	007554R
RETA	003172R	RETB	003106R	RETFLG	006712R
RETNA	000750R	RETNB	001110R	RETNB1	001114R
RETNX	000160R	RETN1A	001016R	RETN1B	001202R
RETN1C	001206R	RETURN	007112R	RETVID	003006R
RHF1LE	004034R	RLS	002550R	RLSBUF	003114RG
RSTREG	005452RG	RXT	000632R	RYT	002564R
R0	=%000000	R1	=%000001	R2	=%000002
R3	=%000003	R4	=%000004	R5	=%000005
SAV	004426R	SAVREG	005436RG	SET.T	000554R
SETPTR	007040R	SOH	007064R	SOURCA	000634R
SP	=%000006	SR2D	005514R	SR3D	005516R
SR3E	005522R	SR4D	005520R	SR4E	005524R
STFILE	001516R	TDFILE	005530RG	TMULT	005466R
TRKTRN	005532RG	TRUCK	002652R	TRY	002410R
TSAVEA	005504R	TSAVED	005526R	TTYBUF	005540RG
TYENT	000000RG	TYPRC	000172RG	UPIN	000114R
UPPER	002660R	UPPTR	007264R	UPPTR1	003512R
VADD	002654R	VALNO	004070RG	VALVID	002746RG
VEH	004174R	VID	003404R	VIX	002656R
VOLATL=	***** G	VREF	001776R	VSTAT =	***** G
WTRHF	004176RG	WTVREF	001544RG	XCSRK1=	175630
XCSRK2=	175620	XPTRN	000314R	XPTRTN	006706R
XTAB	004162R	...V2 =	000001		
.ABS.	000000				
	007562				
	001				

ERRORS DETECTED: 0
FREE CORE: 16351. WORDS

.LP:/C:=EXHELP.MAC

	1-19	1-19#					
...V1	1-385	1-392	1-397	1-406	1-439	1-446	1-451
	1-460	1-494	1-501	1-506	1-515	1-943	1-950
	1-955	1-964	1-159	1-166	1-169		
...V2	1-11#	1-243#	1-371#	1-867#	1-108#	1-162#	1-746#
	1-008#						
A	1-151	1-177#					
ACEND	1-220#	1-229					
ACINPB	1-220#	1-223					
ACINPP	1-220#	1-224	1-228*	1-231*			
AL1	1-230	1-232#					
ALCCMD	1-220#	1-222#					
ALFLAG	1-220#	1-232*					
AREA0	1-166	1-179#					
AREA1	1-385	1-409#					
AREA2	1-392	1-411#					
AREA3	1-439	1-463#					
AREA4	1-446	1-465#					
AREA5	1-494	1-518#					
AREA6	1-501	1-519#					
AREA7	1-943	1-967#					
AREA8	1-950	1-972#					
AREA9	1-159	1-178#					
ASC1	1-130#	1-146					
ASC2BN	1-110#	1-126#					
ASC3	1-131	1-133	1-148#				
ASC5	1-140	1-144	1-149	1-152#			
ASCBIN	1-110#	1-166#					
ASCNUM	1-130*	1-133*	1-134	1-117#			
ATABL1	1-148*	1-156*	1-157	1-118#			
ATABLE	1-167*	1-170*	1-182	1-184*	1-185*	1-198	1-175*
	1-185*	1-186	1-121#				
BASECD	1-246#	1-248#					
BASECI	1-246#	1-261#					
BCD1	1-166#	1-184					
BCD2	1-168#	1-172					
BCD3	1-169	1-173#					
BCD4	1-174	1-178#					
BCD5	1-177	1-183#					
BLK1	1-933*	1-950	1-974#				
BLK2	1-489*	1-501	1-521#				
BLK3	1-435*	1-446	1-467#				
BLK4	1-381*	1-392	1-413#				
BN1	1-174#	1-187					
BN2	1-183	1-186#					
BN2BCD	1-163#						
BN2DEC	1-814#	1-826	1-835	1-110#	1-166#		
BN2OC1	1-145#	1-153					
BN2OCT	1-110#	1-142#					
BN3	1-169	1-173#					
BNDEC	1-110#	1-122#					
BSEND	1-246#	1-254	1-267				
BSFLAG	1-16#	1-59*	1-61*	1-246#	1-257*	1-270*	1-171#
	1-723*	1-725*					
BSINPB	1-246#	1-249	1-262				
BSINPP	1-246#	1-250	1-253*	1-256*	1-263	1-266*	1-269*

BUFA	1-568#	1-569	1-576	1-584	1-598	1-602	
BUFAD1	1-934*	1-950	1-973#				
BUFAD2	1-490*	1-501	1-520#				
BUFAD3	1-436*	1-446	1-466#				
BUFAD4	1-382*	1-392	1-412#				
BUFC1	1->42#	1->13#	1->26	1->27	1->31*	1->32	1->36*
	1->37	1->13#	1->28	1->30	1->32	1->50*	1->57*
BUFK1	1->39#	1->70#	1->85	1->87	1->89	1->03*	1->04
	1-705*	1-710*	1-715	1-721	1-749#	1-758	1-760
	1-762	1-767	1-770	1-773	1-787*		
BUFK2	1-16#	1-31	1-33	1-35	1-45*	1-46	1-47*
	1-52*	1-53	1-870#	1-879	1-881	1-883	1-888
	1-889	1-899*	1-11#	1-36#			
BUFOK	1-570	1-575#	1-624				
BUFP1	1-80#	1-93	1-94	1-98*	1-99	1-103*	1-104
	1-128#	1-148	1-150	1-152	1-174*	1-183*	1-189*
	1-11#	1-33#					
BUFR	1-602*	1-604#					
CHARS	1-024*	1-045	1-055*	1-078#			
CHARSX	1-143*	1-144*	1-167	1-180*	1-181*	1-211#	
CHARSY	1-831*	1-839*	1-842#				
CKDON	1-178	1-180#					
CKDONE	1-053	1-055#					
CONT	1-502	1-506#					
CONTW	1-447	1-451#					
CONTX	1-951	1-955#					
CONTY	1-393	1-397#					
CRCHEK	1-889#						
CRCHK	1-769	1-771	1-773#				
CRFLAG	1-764*	1-772*	1-775	1-777*	1-779*	1-785	1-795#
CRFLG	1-885*	1-891*	1-897	1-908#			
CRLF	1-56	1-65#	1-183				
CRTC11	1->15#	1->19#	1->14#	1->63			
CTIME	1-185#	1-182					
DISPRC	1->14#	1->16#					
DSCOMP	1-281#	1-284	1-302				
DSEND	1-281#	1-295	1-313				
DSFLAG	1-281#	1-288	1-298*	1-306	1-316*		
DSINPB	1-281#	1-290	1-308				
DSINPP	1-281#	1-291	1-294*	1-297*	1-309	1-312*	1-315*
DSPCMD	1-281#	1-301#					
DSPCMI	1-281#	1-283#					
END	1-062	1-064	1-070#				
END1	1-194	1-196	1-202#				
ENDX	1-776	1-779#					
ENUF	1->94	1->96#					
ENUF1	1-162	1-164#					
ENUFA	1-40	1-42#					
ENUFX	1-042	1-044#					
ERET	1-508#	1-517					
ERET1	1-497	1-505	1-515#				
ERET1W	1-450	1-460#					
ERET1X	1-954	1-964#					
ERET1Y	1-388	1-396	1-406#	1-442			
ERETW	1-454#	1-462					
ERETX	1-946	1-958#	1-966				
ERETY	1-400#	1-408					

ERRET	1-574	1-615#					
ERRETS	1-579	1-601	1-618#	1-623			
ERRMSG	1-024*	1-841	1-851#				
ERROR	1-025*	1-026*	1-069*	1-079#			
ERROR1	1-145*	1-146*	1-201*	1-212#			
ERRVID	1-712	1-719#					
F1	1-936	1-969#					
F2	1-970#						
F3	1-971#						
FINI	1->20	1->38#					
FINI2	1-95	1-105#					
FNDBUF	1-543#	1-567	1-733#	1-734#			
FNDLP	1-338#	1-340					
FNDREC	1-322#	1-333#					
FNDVRF	1-523#	1-547#					
FOUNDB	1-789	1-795#					
FQUNDC	1-109	1-114#					
FOUND0	1-750	1-757#					
GETBYT	1->18	1->21#					
GETSTR	1-374#	1-376#					
GO1	1-303	1-306#					
GO1A	1-304#	1-307					
GO2	1-285	1-288#					
GO2A	1-286#	1-289					
GOON	1-560	1-566#					
GOON0	1-944	1-950#					
GOONB	1-495	1-501#					
GOONC	1-440	1-446#					
GOONY	1-386	1-392#					
GTBYT	1-85	1-86#					
GTRHF	1-910#	1-928#					
GTVREF	1-482#	1-484#	1-543#	1-577			
IGNORA	1-132	1-134	1-197#				
IGNORE	1-716	1-722	1-724#				
IGNORX	1-016	1-065#					
INPUT	1-100*	1-121#					
INPUTA	1-185#	1-189*	1-190*	1-191*	1-192*	1-193*	1-194*
	1-195*	1-196*	1-197*	1-198*	1-199*	1-200*	1-201
	1-201*	1-202*	1-204	1-206#			
IRAD50	1-992#	1-103					
KBDENT	1->72#	1->74#					
KYP11	1-82#	1-86#	1-130#	1-195			
LENGTH	1-883*	1-884*	1-894	1-907#			
LNGVST	1-699#	1-713	1-994#	1-110	1-114#	1-131#	
LOGGER	1-185#	1-103					
LOGOV	1-185#	1-187#					
LOGOVO	1-188	1-105#					
LOOK	1-749#	1-754					
LOOP	1-106#	1-112					
LOOPER	1-177#	1-181					
LOOPES	1-178	1-182#					
LOOPID	1-708#	1-714					
LOPER	1-124#	1-128					
LOPES	1-125	1-128#					
LOWER	1-556*	1-563*	1-575	1-597	1-611	1-615*	1-618*
	1-621*	1-622	1-629#				
MATCH	1-788#	1-793					

MAXTRK	1-544#	1-564	1-698#	1-706	1-995#	1-:04	1-:14#
	1-:30#						
MCNTC1	1-:15#	1-:46#					
MESSP1	1-013#	1-018#					
MLOOP	1-668#	1-672					
MODULE	1-024	1-850#					
MOVBUF	1-631#	1-655#					
MOVCI	1-011#	1-015#					
MOVE	1-050#	1-056					
MOVEX	1-088#						
MOVK1	1-749#	1-751#					
MOVK2	1-870#	1-872#					
MOVPI	1-:6#	1-55	1-127#	1-131#	1-814#	1-840	
MOVPIX	1-:27#	1-133#					
MOVX	1-:74#	1-182					
MTHRU	1-662	1-673#					
MVLOOP	1-661#	1-670	1-67:				
NEXT	1-765#	1-786					
NEXT1	1-586	1-588	1-590	1-621#			
NEXT3	1-:07	1-:10#					
NEXTX	1-086#	1-898					
NOCRA	1-54	1-60#					
NOLOG	1-:85#	1-:87					
NOMOR	1-887	1-899#					
NOMORE	1-766	1-787#					
NOROOM	1-:97	1-725#					
NOROMA	1-43	1-61#					
NOROMB	1-:68	1-201#					
NOROOM	1-046	1-069#					
NOTEOT	1-783	1-785#					
NOVEH	1-833	1-840#					
NTEOT	1-895	1-897#					
NUM	1-:22#	1-:24	1-:27#	1-:31	1-:75*	1-:80*	
	1-:84	1-:66#	1-:68	1-:71#	1-:16#		
NUMA	1-028#	1-829#	1-830#	1-852#			
NUMCHR	1-:20	1-:23#					
NXT	1-:60	1-:66#					
NXT1	1-:62	1-:67	1-:69#				
OCT1	1-:00#	1-:11					
OCT2	1-:02	1-:04	1-:12#				
OCT3	1-:13	1-:16#					
OCT4	1-:14#	1-:20					
OCTOBN	1-:10#	1-:96#					
OUT	1-:35	1-:37#					
OUTA	1-:02	1-104#					
OUTVID	1-709	1-715#					
PDTC1	1-:12#	1-:45#	1-012#	1-015			
PDTC3	1-:13#						
PDTC5	1-:13#						
PDTK1	1-:12#	1-:47#	1-:73#				
PDTK2	1-:6#	1-:12#	1-:49#				
PDTP1	1-:29#	1-131	1-133	1-:12#	1-:48#		
PEND	1-040	1-042#					
PEND1	1-:60	1-162#					
RBUFC1	1-:12#	1-:37#	1-:68#	1-704*			
RBUFK1	1-:66#	1-703					
RBUFK2	1-22#	1-45					

RBUFP1	1-23#	1-46*	1-79#	1-104*			
RET	1-068	1-077#					
RETA	1-794	1-796#					
RETB	1-756	1-759#					
RETFLG	1-749#						
RETN1A	1-268	1-270#					
RETN1B	1-314	1-316#					
RETN1C	1-305	1-317#					
RETNA	1-255	1-257#					
RETNB	1-296	1-298#					
RETNB1	1-287	1-299#					
RETNX	1-60	1-62#					
RETURN	1-724	1-726#					
RETVID	1-716#	1-720					
RHFILE	1-935*	1-939*	1-943	1-968#	1-:50*	1-:54*	1-:59
RLS	1-595	1-602#	1-619				
RLSBUF	1-543#	1-603	1-772#	1-773#			
RSTREG	1-18#	1-62	1-:46#	1-:71	1-:10#	1-:06#	
RXT	1-200	1-209#					
RYT	1-605#	1-616					
SAV	1-491*	1-494	1-496*	1-501	1-503*	1-504*	1-513
	1-:55*	1-:61*	1-:68*	1-:72	1-:80#		
SAVREG	1-18#	1-25	1-:46#	1-:48	1-:10#	1-:95#	
SETIT	1-187	1-189#					
SETPTR	1-708	1-710#					
SOH	1-719	1-721#					
SOURCA	1-:41*	1-142*	1-173	1-210#			
SR2D	1-:96*	1-:14	1-:22#				
SR3D	1-:97*	1-:18	1-:23#				
SR3E	1-:26*	1-:54	1-:25#				
SR4D	1-:98*	1-:12	1-:19	1-:24#			
SR4E	1-:27*	1-:48	1-:55	1-:26#			
STFILE	1-385	1-410#					
TDFILE	1-:16#	1-:28#					
TMULT	1-:15#						
TRKTRN	1-544#	1-557	1-563	1-:14#	1-:29#		
TRUCK	1-553*	1-559	1-625#				
TRY	1-567#	1-573					
TSAVEA	1-:74*	1-:20#					
TSAVEB	1-:34*	1-:38	1-:39	1-:41*	1-:42	1-:27#	
TTYBUF	1-:15#	1-:00	1-:30	1-:32	1-:41	1-:32#	
TYENT	1-17#	1-24#					
TYPRC	1-81#	1-83#					
UPIN	1-50	1-52#					
UPPER	1-557*	1-558*	1-564*	1-565*	1-622	1-628#	
UPPTR	1-774	1-778	1-780#				
UPPTR1	1-890	1-892#					
VADD	1-554*	1-583	1-626#				
VALNO	1-991#	1-998#					
VALVID	1-681#	1-704#					
VEH	1-:08	1-:22	1-:24#				
VID	1-837*	1-838*	1-854#				
VIX	1-555*	1-594	1-596	1-627#			
VOLATL	1-543#	1-572	1-732#	1-739	1-744	1-749	1-753
	1-758*	1-771#	1-778	1-783	1-792	1-795*	
VREF	1-439	1-464#	1-494				
VSTAT	1-700#	1-707	1-993#	1-:05			

WTRHF	1-:46#	1-:48#		
WTVREF	1-428#	1-430#	1-543#	1-599
XCSRK1	1->67#			
XCSRK2	1-21#			
XPTRN	1-:11	1-114#		
XPTRTN	1->44	1->47#		
XTAB	1-:02	1-:19#		

...CM1	1-11#	1-243#	1-371#	1-385	1-392	1-439	1-446
	1-494	1-501	1-867#	1-943	1-950	1-59	1-56
	1->08#	1->62#	1-746#	1-008#			
...CM2	1-11#	1-243#	1-371#	1-385	1-392	1-392	1-392
	1-392	1-439	1-446	1-446	1-446	1-446	1-494
	1-501	1-501	1-501	1-501	1-867#	1-943	1-950
	1-950	1-950	1-950	1-59	1-66	1-66	1-66
	1-66	1->08#	1->62#	1-746#	1-008#		
...CM3	1-11#	1-243#	1-371#	1-397	1-406	1-451	1-460
	1-506	1-515	1-867#	1-955	1-964	1-69	1->08#
	1->62#	1-746#	1-008#				
...CM4	1-11#	1-243#	1-371#	1-392	1-446	1-501	1-867#
	1-950	1-66	1->08#	1->62#	1-746#	1-008#	
..V2..	1-10#	1-11	1-242#	1-243	1-369#	1-371	1-866#
	1-867	1->07#	1->08	1->61#	1->62	1-745#	1-746
	1-007#	1-008					
.CLOSE	1-10#	1-369#	1-397	1-406	1-451	1-460	1-506
	1-515	1-955	1-964	1-69			
.LOOKU	1-10#	1-369#	1-385	1-439	1-494	1-943	1-59
.READW	1-10#	1-369#	1-392	1-501	1-950		
.REGDE	1-10#	1-12	1-242#	1-244	1-369#	1-372	1-866#
	1-868	1->07#	1->09	1->61#	1->63	1-745#	1-747
	1-007#	1-009					
.SRESE	1-10#	1-369#	1-398	1-407	1-452	1-461	1-507
	1-516	1-956	1-965	1-70			
.WRITW	1-10#	1-446	1-66				

DSPCR1 RT-11 CRO VM02-10 00:17:51
TABLE OF CONTENTS

1- 2	KDENT1
1-251	MOVK5
1-288	DSENT1
1-333	MOVCS

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1      .TITLE DSPCR1
2      .SBTTL KDENT1
3      ;
4      ; CRT KEYBOARD INPUT PROCESSOR FOR THE #1 DISPATCH STATION. INTERRUPT DRIVEN.
5      ; STORES INPUT CHARACTER IN NEXT AVAILABLE BYTE IN 'BUFK5' TABLE.
6      ; SETS UP #1 DISPATCH STATION REQUEST TO PROCESS INPUT DATA WHENEVER A '.' OR '?'
7      ; IS RECEIVED.
8      ;
9      .MCALL ..V2....REGDEF
10     00000      ..V2..
11     00000      .REGDEF
12             .NLIST BEX
13     ;
14     175672 RBUFK5 =      175672      ; 'K5' RECEIVER DATA BUFFER REGR
15     175670 XCSRK5 =      175670      ; 'K5' TRANSMITTER STATUS BUFFER
16     175676 RBUFC5 =      175676      ; 'C5' RECEIVER DATA BUFFER REGR
17     ;
18     .GLOBL BUFK5      ; INPUT STORAGE BUFFER
19     .GLOBL DSFLAG      ; #2DISPATCH STATION FLAG
20     .GLOBL KDENT1, DSENT1      ; XPT ENTRY POINT
21     .GLOBL PDK5, PDTC5, PDTC3      ; PHYSICAL DEVICE TABLE FOR 'K5'
22     .GLOBL DSPCM1, TCCMD, BASEC1, SAVREG, RSTREG, TC1BEL, TCMBEL
23     .GLOBL DSCTR3, DSFLG3, CURSE, DSFLG1, INPUT1, RLD1, TEMP, TAB, TABEND
24     .GLOBL PSWDFG, BUFK5, MOVK5, GBFCMD, MOVCS, ESCO
25     .GLOBL DFLGT1, BUFC5, CRFLG1, IFLAG1, IFLAG2, IFLAGX
26     .GLOBL DFLAGT, DSINPB, DSINPP, DSEND, DSCMD1, NO1PTR
27     ;
28     00000 000000 DSPCR1: .=.
29     00000 010546 KDENT1: MOV      R5, -(SP)      ; SAVE R5
30     00002 004567      JSR      R5, SAVREG      ; SAVE REGISTERS
31     00006 016701      MOV      TABEND, R1      ; GET COUNTER
32     00012 126167 K1:  CMPB      TAB(R1), RBUFK5      ; IS INPUT CHAR. IN TABLE?
33     00020 001404      BEQ      K2      ; YES, GO PROCESS
34     00022 005301      DEC      R1      ; ALL CHARACTERS TESTED?
35     00024 100372      BPL      K1      ; NO, TRY AGAIN
36     00026 000167      JMP      RETURN      ; GETOUT
37     ;
38     ;      MOVE BYTE TO BUFK5
39     ;
40     00032 012704 K2:  MOV      #BUFK5+4, R4      ; GET STARTING ADDRESS
41     00036 010402      MOV      R4, R2      ; STORE ADDRESS
42     00040 005302      DEC      R2      ; SET POINTER FOR BUFR END - 1
43     00042 116703      MOVB      BUFK5+3, R3      ; GET INPUT OFFSET
44     00046 042703      BIC      #177400, R3      ; CLEAR OTHER BITS
45     00052 060304      ADD      R3, R4      ; ADD OFFSET
46     00054 116701      MOVB      BUFK5, R1      ; GET LENGTH OFFSET
47     00060 042701      BIC      #177400, R1      ; CLEAR OTHER BITS
48     00064 060102      ADD      R1, R2      ; ADD OFFSET
49     00066 116714      MOVB      RBUFK5, (R4)      ; MOVE BYTE
50     00072 005203      INC      R3      ; INCREMENT INPUT
51     00074 020402      CMP      R4, R2      ; AT END?
52     00076 100401      BMI      SETPTR      ; YES, GO AROUND
53     00100 005003      CLR      R3      ; RESET OFFSET

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54 00102 110367 SETPTR: MOVB    R3,BUFK5+3          ; UPDATE 'IN' PTR
55                                     ;
56                                     ; DETERMINE IF TERMINATION CONDITION RECEIVED .
57                                     ; IF SO, THEN SETUP TO SCHEDULE EDI" PROCESS.
58                                     ;
59 00106 122703          CMPB    #1,R3              ; IS THIS THE FIRST CHAR.?
60 00112 001404          BEQ     S1                  ; YES, GO AROUND
61 00114 122703          CMPB    #2,R3              ; IS THIS THE SECOND CHAR.?
62 00120 001417          BEQ     S2                  ; YES, GO AROUND
63 00122 000407          BR      S1A                 ; GO TO MORE THAN 2
64 00124 116467 S1:      MOVB    47(R4),TEMP        ; GET PREVIOUS CHAR.
65 00132 116467          MOVB    46(R4),TEMP+2
66 00140 000415          BR      SX                  ; GO AROUND
67 00142 116467 S1A:     MOVB    -2(R4),TEMP+2
68 00150 116467          MOVB    -1(R4),TEMP        ; STORE
69 00156 000406          BR      SX
70 00160 116467 S2:      MOVB    -1(R4),TEMP
71 00166 116467          MOVB    46(R4),TEMP+2
72 00174 122714 SX:      CMPB    #64,(R4)           ; IS INPUT A '4' ?
73 00200 001171          BNE     SXA                  ; NO, GO AROUND
74 00202 122767          CMPB    #105,TEMP          ; IS CHARACTER AN E?
75 00210 001565          BEQ     SXA                  ; YES, GO AROUND
76 00212 105767          TSTB    CTR1                ; IS THIS THE FIRST TIME THRU?
77 00216 001162          BNE     SXA                  ; NO, GO AROUND
78 00220 032767          BIT     #100000,PDTC3+4
79 00226 001402          BEQ     OUT1YX
80 00230 000167          JMP     RETURN
81 00234 052767 OUT1YX:  BIS     #100000,PDTC5+4
82 00242 004267          JSR     R2,BASEC1
83 00246 000      .BYTE    0,0,26,,3
84 00252 000455          BR      OUT1X
85 00254 004267 OUT1Y:   JSR     R2,BASEC1           ; OUTPUT ERROR MESSAGE
86 00260 000      .BYTE    0,0,26,,5
87 00264 005067          CLR     DFLAGT
88 00270 005067          CLR     TCCMD-6
89 00274 005067          CLR     TCCMD
90 00300 005067          CLR     TCCMD+2
91 00304 042767          BIC     #177710,PDTC5
92 00312 005067          CLR     PDTC5+2
93 00316 005067          CLR     PDTC5+4
94 00322 052767          BIS     #1000,PDTC5+2
95 00330 005267          INC     CRFLG1
96 00334 005067          CLR     BUFC5+2
97 00340 005067          CLR     BUFC5+4
98 00344 105014          CLRB    (R4)
99 00346 012767          MOV     #7777,IFLAG1
100 0354 005367 OUT1YC:  DEC     IFLAG1
101 0360 100375          BPL     OUT1YC
102 0362 005067          CLR     IFLAG1
103 0366 004567          JSR     R5,MOVCS
104 0372 000402          .WORD   GBF10,4,1
105 0400 000417          BR      OUT1XA
106 0402          107 GBF10: .ASCII /GBF1/

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107	0406	005067	OUT1X:	CLR	PDTCS	
108	0412	005067		CLR	PDTCS+2	
109	0416	042767		BIC	#77777,PDTCS+4	
110	0424	005067		CLR	CRFLG1	
111	0430	005067		CLR	BUFC5+2	
112	0434	005067		CLR	BUFC5+4	
113	0440	005067	OUT1XA:	CLR	TEMP+2	
114	0444	142767		BICB	#7,DSFLAG+1	
115	0452	005067		CLR	DFLAGT	
116	0456	005067		CLR	CTR1	
117	0462	005067		CLR	IFLAGX	
118	0466	105067		CLRB	PSWDFG	
119	0472	005067		CLR	IFLAG1	
120	0476	005067		CLR	IFLAG2	
121	0502	105067		CLRB	GBFCMD	
122	0506	005067		CLR	DSCMD1	
123	0512	005067		CLR	NO1PTR	
124	0516	005067		CLR	DSCTR3	
125	0522	005067		CLR	DSFLG3	
126	0526	005067		CLR	DSFLG1	
127	0532	105067		CLRB	CURSE1	
128	0536	005067		CLR	RLD1	
129	0542	005067		CLR	DFLGT1	
130	0546	005067		CLR	TC1BEL	
131	0552	005067		CLR	TCMBEL	
132	0556	012767		MOV	#1130,DFLGT1-4	
133	0564	105767	SXA:	TSTB	GBFCMD	; IS GBF COMMAND FLAG SET?
134	0570	001405		BEQ	SXAB	; NO, GO AROUND
135	0572	105067		CLRB	GBFCMD	; RESET FLAG
136	0576	116767		MOVB	BUFK5+3,BUFK5+2	; RESET INPUT POINTER
137	0604	005767	SXAB:	TST	IFLAGX	
138	0610	001003		BNE	SXAA	
139	0612	042767		BIC	#100,PDTCS	; CLEAR BUSY FLAG
140	0620	005267	SXAA:	INC	CTR1	; INCREMENT POINTER
141	0624	112767		MOVB	#1,OUT+3	; SET EDITOR FLAG
142	0632	122714		CMPB	#004,(R4)	; 'EOT' CHARACTER?
143	0636	001005		BNE	SX1	; NO, GO AROUND
144	0640	042767		BIC	#4000,PDTCS+2	
145	0646	105367		DECB	BUFK5+3	; RESET POINTER
146	0652	122714	SX1:	CMPB	#235,(R4)	; IS INPUT A NORMAL <CR>
147	0656	001531		BEQ	OUT235	; YES, GO EDIT
148	0660	105267		INCB	OUT+3	; UPDATE PNTR
149	0664	122714		CMPB	#56,(R4)	; IS INPUT A PERIOD?
150	0670	001151		BNE	S4	; NO, GO TEST FOR A ?
151	0672	062767		ADD	#1000,OUT+2	; UPDATE POINTER
152	0700	122767		CMPB	#15,TEMP	; IS PREVIOUS CHAR. A <CR>
153	0706	001073		BNE	SX1AD	; YES, GETOUT
154	0710	122767		CMPB	#80,TEMP+2	; IS INPUT A 0 ?
155	0716	001051		BNE	SX1A	; NO, GO AROUND
156	0720	005067		CLR	DSFLG3	; CLEAR FLAG
157	0724	005067		CLR	DSCTR3	; CLEAR COUNTER
158	0730	042767		BIC	#100,PDTCS	; CLEAR BUSY BI
159	0736	116767		MOVB	BUFK5+3,BUFK5+2	; RESET INPUT POINTER

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160 0744 112767      MOVB      #1,OUT+3      ; SET UP FOR EDITOR
161 0752 005067      CLR        IFLAGX
162 0756 005067      CLR        IFLAG2
163 0762 005767      TST        PDTC5+2
164 0766 001415      BEQ        SX1AE
165 0770 032767      BIT        #1000,PDTC5+2
166 0776 001037      BNE        SX1AD
167 1000 032767      BIT        #2000,PDTC5+2
168 1006 001405      BEQ        SX1AE
169 1010 105267      INCB      DFLAGT
170 1014 005067      CLR        CTR1
171 1020 000426      BR         SX1AD
172 1022 032767 SX1AE:  BIT        #600,PDTC5
173 1030 001513      BEQ        OUT
174 1032 112767 SX1AC:  MOVB      #4,OUT+3
175 1040 000507      BR         OUT          ; INITIATE DISPATCH STATION EDITOR
176 1042 005767 SX1A:  TST        RLD1      ; IS RAM LOAD IN PROCESS
177 1046 001104      BNE        OUT          ; YES, GETOUT
178 1050 122767      CMPB      #77,TEMP+2
179 1056 001010      BNE        SX1AA
180 1060 105014      CLRB      (R4)
181 1062 004267      JSR        R2,DSPCMI
182 1066 000001      .WORD     1,34.
183 1072 000167      JMP        OUT1Y
184 1076 000510 SX1AD:  BR         RETURN
185 1100 105267 SX1AA:  INCB      OUT+3      ; UPDATE POINTER
186 1104 122767      CMPB      #10,CTR1     ; IS PASSWORD ENTRY VALID ?
187 1112 001005      BNE        SX1C        ; NO, GETOUT
188 1114 005267      INC        DSFLG3     ; SET 4 MIN. TIMEOUT
189 1120 105267      INCB      PSWDFG      ; SET PASSWORD FLAG BYTE
190 1124 000455 SX1B:  BR         OUT        ; GO TO EDITOR
191 1126 005067 SX1C:  CLR        CTR1      ; RESET COUNTER
192 1132 116767      MOVB      BUFK5+3,BUFK5+2 ; RESET INPUT REGISTER
193 1140 000467      BR         RETURN      ; GET OUT
194 1142 105767 OUT235: TSTB      PSWDFG
195 1146 001404      BEQ        OUT2A
196 1150 105267      INCB      BUFK5+2
197 1154 105067      CLRB      PSWDFG
198 1160 004567 OUT2A:  JSR        R5,MOVK5
199 1164 001404*01:  .WORD     INPUT1,0
200 1170 016702      MOV        01+2,R2
201 1174 062702      ADD        #INPUT1-1,R2 ; GET ADDRESS OF DATA
202 1200 012701      MOV        #INPUT1+9.,R1 ; STORE BEGINNING ADDR FOR NEXT CYCLE
203 1204 105022 04:   CLRB      (R2)+      ; CLEAR OTHER BYTES
204 1206 020102      CMP        R1,R2      ; AT END OF BUFFER
205 1210 100375      BPL        04        ; NOT DONE, TRY AGAIN
206 1212 000422      BR         OUT
207 1214 122714 S4:   CMPB      #77,(R4)
208 1220 001037      BNE        RETURN
209 1222 122767      CMPB      #56,TEMP
210 1230 001001      BNE        OUTAA
211 1232 000432      BR         RETURN
212 1234 005767 OUTAA: TST        RLD1

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; IS PREVIOUS INPUT A PERIOD?
; YES, ERROR

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213 1240 00:004      BNE      OUTAB
214 1242 116767      MOVB     BUFK5+3,BUFK5+2      ; RESET INPUT POINTER
215 1250 000423      BR       RETURN
216 1252 105767      OUTAB:   TSTB     PSWDFG
217 1256 00:420      BEQ      RETURN
218 1260 052767      OUT:     BIS      #400,DSFLAG      ; INITIATE EDIT
219 1266 122767      CMPB     #1,DSFLAG+1
220 1274 00:007      BNE      OUTAC
221 1276 142767      BICB     #7,DSFLAG+1
222 1304 004267      JSR      R2,DSPCMI
223 1310 000001      .WORD     1,32.
224 1314 005067      OUTAC:   CLR      CTR1      ; RESET RAMLOAD COUNTER
225 1320 004567      RETURN:  JSR      R5,RSTREG      ; RESTORE REGISTERS
226 1324 012605      MOV      (SP)+,R5      ; RESTORE R5
227 1326 000002      RTI      ; XPT RETURN
228
229 1330 302      TAB:      .BYTE     302,303,215,204,217,203,201,304,210,213,101,102,103,104,105
230 1347 106      .BYTE     106,107,110,111,100,205,235,60,61,62,63,64,65,66,67,70,71,56,77
231 1372 015      .BYTE     15,004,140,123
232 1376 000046      TABEND:  .WORD     38.
233 1400 000000      TEMP:    .WORD     0,0
234 1404 000000      INPUT1:  .WORD     0,0,0,0,0
235 1416 000000      EOTFLG:  .WORD     0
236 1420 000000      CURSE1:  .WORD     0
237 1422 000000      CTR1:    .WORD     0
238 1424 000000      GBFCMD:  .WORD     0
239 1426 033      ESCD:      .BYTE     33,117
240 1430 000000      PSWDFG:  .WORD     0
241 1432 000050      BUFK5:   .WORD     40.
242 1434 000      .BYTE     0,0
243      .BLKW     20.
244 1506 00:000      BUFC5:   .WORD     512.
245 1510 000000      .WORD     0,0
246      .BLKW     256.
247 2514 000001      PDTC5:   .WORD     1,0,0,0,0,0,0
248 2532 000000      IFLAG1:  .WORD     0      ; IN-PROCESS FLAG FOR INPUT DATA BLKG
249 2534 000000      IFLAG2:  .WORD     0      ; IN-PROCESS FLAG FOR INTECOLOR INPUT
250 2536 000000      IFLAGX:  .WORD     0
251      .SBTTL     MOVK5
252      ;
253      ; MOVES NEXT INPUT REQUEST DATA FROM THE DISPATCH STATION CRT KEYBOARD (K5)
254      ; INPUT BUFFER TO THE GIVEN DESTINATION BUFFER. THE NUMBER OF CHARACTERS
255      ; TRANSFER IS RETURNED IN THE 2ND ARGUMENT.
256      ;
257      ;
258      ; JSR      R5,MOVK5
259      ; .WORD     DESTINATION BUFFER
260      ; .WORD     # CHARS (RETURNED)
261      ;
262 2540 012501      MOVK5:   MOV      (R5)+,R1      ; DESTIN ADR
263 2542 004567      JSR      R5,SAVREG      ; SAVE REGISTERS
264 2546 005067      CLR      CHARS      ; # CHARS
265 2552 116703      MOVB     BUFK5+2,R3      ; OUT PTR

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266 2556 116704      MOVB      BUFK5+3,R4      ; IN PTR
267 2562 116702      MOVB      BUFK5,R2        ; TABLE LENGTH
268 2566 042702      BIC        #177400,R2
269 2572 042703      BIC        #177400,R3
270 2576 042704      BIC        #177400,R4
271 2602 020304 NEXT:  CMP        R3,R4          ; ANY (MORE) DATA ?
272 2604 001414      BEQ        NOMORE
273 2606 116321 MOVE:  MOVB      BUFK5+4(R3),(R1)+ ; INCREMENT COUNT
274 2612 005267      INC        CHARS
275 2616 022767      CMP        #9,,CHARS
276 2624 100413      BMI        NOMOR1
277 2626 005203      INC        R3
278 2630 020302      CMP        R3,R2
279 2632 100763      BMI        NEXT
280 2634 005003      CLR        R3
281 2636 110367 NOMORE: MOVB      R3,BUFK5+2      ; UPDATE OUTPTR
282 2642 004567      JSR        R5,RSTREG         ; RESTORE REGISTERS
283 2646 016725      MOV        CHARS,(R5)+      ; RETURN # CHARS
284 2652 000205      RTS
285 2654 010403 NOMOR1: MOV        R4,R3
286 2656 000767      BR         NOMORE
287 2660 000000 CHARS:  .WORD     0
288      .SBTTL  DSENT1
289      ;
290      ; DISPLAY OUTPUT PROCESSOR FOR THE #1 DISPATCH STATION CRT (C5). MAY BE CALLED
291      ; EITHER BY AN INTERRUPT OR TO START OUTPUTTING A CRT DISPLAY. USES
292      ; 'BUFC5' TABLE TO GET NEXT (FIRST) BYTE TO TRANSMIT. PHILOSOPHY IS TO
293      ; INITIALLY CALL THIS PROCESS TO TRANSFER THE FIRST BYTE OF A DISPLAY
294      ; AND THEN HAVE THE ROUTINE INTERRUPT DRIVEN (TRANSFER NEXT BYTE UPON
295      ; RECEIVING COMPLETION INTERRUPT ON LAST BYTE TRANSMISSION).
296      ;
297      ;      JMP DSENT1          XPT CALL
298      ;      OR
299      ;      JMP      CRTCS1      TRANSMIT FIRST CHARACTER
300      ;
301      ;
302 2662 010546 DSENT1: MOV        R5,-(SP)        ; SAVE R5
303 2664 005005      CLR        R5
304 2666 000403      BR         GETBYT
305 2670 010546 CRTCS1: MOV        R5,-(SP)        ; CALLED TO START DISPLAY
306 2672 012705      MOV        #1,R5
307 2676 004567 GETBYT: JSR        R5,SAVREG        ; SAVE REGISTERS
308 2702 016700      MOV        BUFC5+2,R0
309 2706 026700      CMP        BUFC5+4,R0
310 2712 001422      BEQ        FINI1              ; DISPLAY COMPLETE
311 2714 005200      INC        R0
312 2716 010067      MOV        R0,BUFC5+2
313 2722 016701      MOV        BUFC5,R1
314 2726 020001      CMP        R0,R1
315 2730 004002      BMI        OUT1
316 2732 000067      CLR        BUFC5+2
317 2736 000067 OUT1:  MOVB      BUFC5+5(R0),RBUFC5
318 2744 000067 FINI:  JSR        R5,RSTREG        ; RESTORE REGISTERS

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319 2750 005705      TST      R5
320 2752 001420      BEQ      XPTRTN
321 2754 012605      MOV      (SP)+,R5
322 2756 000205      RTS      R5
323 2760 005767 FINI1: TST      IFLAGX
324 2764 001003      BNE      FINI1A
325 2766 042767      BIC      #100,PDTC5
326 2774 005767 FINI1A: TST     CRFLG1
327 3000 001761      BEQ      FINI
328 3002 005367      DEC      CRFLG1
329 3006 005267      INC      DSFLG1
330 3012 000754      BR       FINI
331 3014 012605 XPTRTN: MOV     (SP)+,R5
332 3016 000002      RTI
333      .SBTTL      MOVCS
334      ;
335      ;
336      ; MOVES DATA TO #1 DISPATCH STATION CRT (C5) OUTPUT BUFFER (BUFC5). INITIATES
337      ; OUTPUT DRIVER IF BUFFER WAS EMPTY PRIOR TO CALL. RETURNS 'ERROR' NOT =0
338      ; IF BUFFER CANNOT HOLD NEW DATA
339      ;
340      ;      JSR      R5,MOVCS
341      ;      .WORD    SOURCE BUFFER ADDRESS
342      ;      .WORD    # CHARS1
343      ;      .WORD    ERROR FLAG
344      ;
345      ;
346      ;
347 3020 032767 MOVCS: BIT      #1,PDTC5
348 3026 001064      BNE      IGNORE
349 3030 052767      BIS      #100,PDTC5
350 3036 010546      MOV      R5,-(SP)
351 3040 012500      MOV      (R5)+,R0      ;SOURCE ADDRESS
352 3042 012567      MOV      (R5)+,CHARS1    ;# CHARS
353 3046 010567      MOV      R5,ERROR      ;ADDRESS OF ERROR FLAG
354 3052 005077      CLR      @ERROR
355 3056 004567      JSR      R5,SAVREG      ; SAVE REGISTERS
356 3062 005002      CLR      R2          ;OUTPUT CHAR FLAG
357 3064 016705      MOV      BUFC5,R5      ;TABLE LENGTH (# CHARS)
358 3070 016704      MOV      BUFC5+2,R4    ;OUTPUT POSITION
359 3074 016701      MOV      BUFC5+4,R1    ;INPUT POSITION
360      ;
361      ; DETERMINE IF BUFFER CAN HOLD NEW DATA
362      ;
363 3100 010403      MOV      R4,R3
364 3102 160103      SUB      R1,R3
365 3104 020104      CMP      R1,R4
366 3106 001001      BNE      PEND
367 3110 005202      INC      R2          ;SET R2 TO BEGIN OUTPUT DRIVER
368 3112 100401 PEND: BMI      ENUF
369 3114 060503      ADD      R5,R3
370 3116 005303 ENUF: DEC      R3
371 3120 020367      CMP      R3,CHARS

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160 0626 012724      MOV      #3182..(R4)+      ; STORE YARD NAME
161 0632 012714      MOV      #37..(R4)         ; STORE CITY NO.
162 0636 062704      ADD       #22,R4           ; ADD OFFSET
163 0642 012724      MOV      #28080..(R4)+      ; STORE X DATA
164 0646 012714      MOV      #7180..(R4)        ; STORE Y DATA
165 0652 012704 FINISH: MOV      #POINT, R4       ; GET BUFR ADDR
166 0656 016764      MOV      HOURS, 14(R4)     ; STORE TIME ETC
167 0664 016764      MOV      HOURS,22(R4)
168 0672 016764      MOV      MINS,16(R4)
169 0700 016764      MOV      MINS,24(R4)
170 0706 016764      MOV      SECS,20(R4)
171 0714 016764      MOV      SECS,26(R4)
172 0722 01..464      MOV      (R4),30(R4)
173 0726 016464      MOV      2(R4),32(R4)
174 0734 016464      MOV      34(R4),40(R4)
175 0742 016464      MOV      36(R4),42(R4)
176 0750 012764      MOV      #3180..,5(R4)
177 0756 012700      MOV      #LUTBUF,R0         ; GET BUFR ADDR
178 0762 012460      MOV      (R4)+,12(R0)
179 0766 01..460      MOV      (R4),14(R0)
180 0772 004567      JSR      R5,NTEXTIT         ; PROCESS RESET SIGNPOST - YARD
181 0776 005767      TST      EXIT              ; IS ERROR FLAG SET
182 1002 00..522      BEQ      LDVREF             ; GO TO VREF LOAD
183 1004 000411      BR       EXITAA
184
185 ;
186 ; YARD ENTRY/EXIT PROCESSING
187 1906 012700 RSET2: MOV      #LUTBUF,R0         ; GET BUFR ADDR
188 1012 005267      INC      LOCMP
189 1016 004567      JSR      R5,NTEXTIT         ; PROCESS RESET SIGNPOST - YARD
190 1022 005767      TST      EXIT              ; IS ERROR FLAG SET
191 1026 00..466      BEQ      EXIT1             ; NO, GO TO NORMAL OUTPUT
192
193 ;
194 ; ERROR DECLARED IN PROCESSING, RELEASE BUFFER AND RESET PROCESSING
195 ; FLAGS, SEE PRINTOUT FOR ERRORS
196 1030 016704 EXITAA: MOV      VRBUF,R4
197 1034 016464      MOV      12(R4),142(R4)
198 1042 016464      MOV      14(R4),144(R4)
199 1050 005067      CLR      LUTBUF+16
200 1054 005067      CLR      LUTBUF+20
201 1060 000421      BR       EXITX1
202 1062 016767 EXITA: MOV      VRBUF,OUT        ; GET BUFFER ADDRESS
203 1070 004567      JSR      R5,RLSBUF         ; RELEASE BUFFER
204 1074 000000 OUT:  .WORD      0
205 1076 00..076 OUTB: .=.
206 1076 016706 OUTA: MOV      SAVSP,SP
207 1102 016705      MOV      SAVR5,R5
208 1106 005067      CLR      LOCMP
209 1112 005067      CLR      AMPUPD+2          ; RESET BUSY FLAG
210 1116 004567      JSR      R5,RSTREG         ; RESTORE REGISTERS
211 1122 000205      RTS       R5              ; RETURN
212

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372 3124 100433      BMI      NOROOM
373 3126 12:027      CMPB     (R0),#33
374 3132 00:002      BNE      MOVE1
375 3134 005267      INC      IFLAGX
376
377      ; MOVE DATA
378
379 3140 112061 MOVE1:  MOVB     (R0)+,BUFC5+6(R1)
380 3144 005201      INC      R1
381 3146 020105      CMP      R1,R5
382 3150 100401      BMI      CKDONE
383 3152 005001      CLR      R1
384 3154 005367 CKDONE: DEC      CHARS1
385 3160 00:367      BNE      MOVE1
386 3162 010167      MOV      R1,BUFC5+4
387
388      ; SEE IF OUTPUT DRIVER SHOULD BE CALLED
389
390 3166 005302      DEC      R2
391 3170 00:013      BNE      END
392 3172 004567      JSR      R5,CRTC51      ;OUTPUT FIRST BYTE
393 3176 000410      BR       END
394 3200 062705 IGNORE: ADD      #4,R5
395 3204 005015      CLR      (R5)
396 3206 062705      ADD      #2,R5
397 3212 000407      BR       RET
398 3214 005277 NOROOM: INC      @ERROR      ;SET ERROR = NO ROOM
399 3220 004567 END:   JSR      R5,RSTREG    ; RESTORE REGISTERS
400 3224 012605      MOV      (SP)+,R5
401 3226 062705      ADD      #6,R5
402 3232 000205 RET:   RTS      R5
403 3234 000000 CHARS1: .WORD     0
404 3236 000000 ERROR: .WORD     0
405      000000      .END      DSPCR1

```

BASEC1= ***** G	BUFC5 001506RG	BUFK5 001432RG
CHARS 002660R	CHARS1 003234R	CKDONE 003154R
CRFLG1= ***** G	CRTCS1 002670R	CTR1 001422R
CURSE1 001420RG	DFLAGT= ***** G	DFLGT1= ***** G
DSCMD1= ***** G	DSCTR3= ***** G	DSEND = ***** G
DSENT1 002662RG	DSFLAG= ***** G	DSFLG1= ***** G
DSFLG3= ***** G	DSINPB= ***** G	DSINPP= ***** G
DSPCM1= ***** G	DSPCR1 000000R	END 003220R
ENUF 003116R	EOTFLG 001416R	ERROR 003236R
ESCO 001426RG	FINI 002744R	FIN1 002760R
FINI1A 002774R	GBFCMD 001424RG	GBF10 000402R
GETBYT 002676R	IFLAGX 002536RG	IFLAG1 002532RG
IFLAG2 002534RG	IGNORE 003200R	INPUT1 001404RG
KIDENT1 000000RG	K1 000012R	K2 000032R
MOVC5 003020RG	MOVE 002606R	MOVE1 003140R
MOVK5 002540RG	NEXT 002602R	NOMORE 002636R
NOMOR1 002654R	NOROOM 003214R	NO1PTR= ***** G
OUT 001260R	OUTA 001234R	OUTAB 001252R
OUTAC 001314R	OUT1 002736R	OUT:X 000406R
OUT1XA 000440R	OUT1Y 000254R	OUT:YC 000354R
OUT1YX 000234R	OUT2A 001160R	OUT235 001142R
O1 001164R	O4 001204R	PC =%000007
PDTCS = ***** G	PDTCS 002514RG	PDTK5 = ***** G
PEND 003112R	PSWDFG 001430RG	RBUFC5= 175676
RBUFK5= 175672	RET 003232R	RETURN 001320R
RLD1 = ***** G	RSTREG= ***** G	R0 =%000000
R1 =%000001	R2 =%000002	R3 =%000003
R4 =%000004	R5 =%000005	SAVREG= ***** G
SETPTR 000102R	SP =%000006	SX 000174R
SXA 000564R	SXAA 000620R	SXAB 000604R
SX1 000652R	SX1A 001042R	SX1AA 001100R
SX1AC 001032R	SX1AD 001076R	SX1AE 001022R
SX1B 001124R	SX1C 001126R	S1 000124R
S1A 000142R	S2 000160R	S4 001214R
TAB 001330RG	TABEND 001376RG	TCCMD = ***** G
TCMBEL= ***** G	TC1BEL= ***** G	TEMP 001400RG
XCSRK5= 175670	XPTRTN 003014R	...V2 = 000001

.ABS. 000000 000
003240 001

ERRORS DETECTED: 0
FREE CORE: 17428. WORDS

.LP:/C:=DSPCR1.MAC

.	1-28	1-28#					
...V2	1-10#						
BASEC1	1-22#	1-82	1-85				
BUFC5	1-25#	1-96*	1-97*	1-111*	1-112*	1-244#	1-308
	1-309	1-312*	1-313	1-316*	1-317	1-357	1-358
	1-359	1-379*	1-386*				
BUFK5	1-18#	1-24#	1-40	1-43	1-46	1-54*	1-136
	1-136*	1-145*	1-159	1-159*	1-192	1-192*	1-196*
	1-214	1-214*	1-241#	1-265	1-266	1-267	1-273
	1-281*						
CHARS	1-264*	1-274*	1-275	1-283	1-287#	1-371	
CHARS1	1-352*	1-384*	1-403#				
CKDONE	1-382	1-384#					
CRFLG1	1-25#	1-95*	1-110*	1-326	1-328*		
CRTC51	1-305#	1-392					
CTR1	1-76	1-116*	1-140*	1-170*	1-186	1-191*	1-224*
	1-237#						
CURSE1	1-23#	1-127*	1-236#				
DFLAGT	1-26#	1-87*	1-115*	1-169*			
DFLGT1	1-25#	1-129*	1-132*				
DSCMD1	1-26#	1-122*					
DSCTR3	1-23#	1-124*	1-157*				
DSEND	1-26#						
DSENT1	1-20#	1-302#					
DSFLAG	1-19#	1-114*	1-218*	1-219	1-221*		
DSFLG1	1-23#	1-126*	1-329*				
DSFLG3	1-23#	1-125*	1-156*	1-188*			
DSINPB	1-26#						
DSINPP	1-26#						
DSPCM1	1-22#	1-181	1-222				
DSPCR1	1-28#	1-405					
END	1-391	1-393	1-399#				
ENUF	1-368	1-370#					
EOTFLG	1-235#						
ERROR	1-353*	1-354*	1-398*	1-404#			
ESCO	1-24#	1-239#					
FINI	1-318#	1-327	1-330				
FINI1	1-310	1-323#					
FINI1A	1-324	1-326#					
GBF10	1-104	1-106#					
GBFCMD	1-24#	1-121*	1-133	1-135*	1-238#		
GETBYT	1-304	1-307#					
IFLAG1	1-25#	1-99*	1-100*	1-102*	1-119*	1-248#	
IFLAG2	1-25#	1-120*	1-162*	1-249#			
IFLAGX	1-25#	1-117*	1-137	1-161*	1-250#	1-323	1-375*
IGNORE	1-348	1-394#					
INPUT1	1-23#	1-199	1-201	1-202	1-234#		
K1	1-32#	1-35					
K2	1-33	1-40#					
KDENT1	1-20#	1-29#					
MOVCS	1-24#	1-103	1-347#				
MOVE	1-273#						
MOVE1	1-374	1-379#	1-385				
MOVK5	1-24#	1-198	1-262#				
NEXT	1-271#	1-279					
NO1PTR	1-26#	1-123*					

NOMOR1	1-276	1-285#					
NOMORE	1-272	1-281#	1-286				
NOROOM	1-372	1-398#					
01	1-199#	1-200					
04	1-203#	1-205					
OUT	1-141*	1-148*	1-151*	1-160*	1-173	1-174*	1-175
	1-177	1-185*	1-190	1-206	1-218#		
OUT1	1-315	1-317#					
OUT1X	1-84	1-107#					
OUT1XA	1-105	1-113#					
OUT1Y	1-85#	1-183					
OUT1YC	1-100#	1-101					
OUT1YX	1-79	1-81#					
OUT235	1-147	1-194#					
OUT2A	1-195	1-198#					
OUTAA	1-210	1-212#					
OUTAB	1-213	1-216#					
OUTAC	1-220	1-224#					
PDTC3	1-21#	1-78					
PDTC5	1-21#	1-81*	1-91*	1-92*	1-93*	1-94*	1-107*
	1-108*	1-109*	1-139*	1-144*	1-158*	1-163	1-165
	1-167	1-172	1-247#	1-325*	1-347	1-349*	
PDTK5	1-21#						
PEND	1-366	1-368#					
PSWDFG	1-24#	1-118*	1-189*	1-194	1-197*	1-216	1-240#
RBUFC5	1-16#	1-317*					
RBUFK5	1-14#	1-32	1-49				
RET	1-397	1-402#					
RETURN	1-36	1-80	1-184	1-193	1-208	1-211	1-215
	1-217	1-225#					
RLD1	1-23#	1-128*	1-176	1-212			
RSTREG	1-22#	1-225	1-282	1-318	1-399		
S1	1-60	1-64#					
S1A	1-63	1-67#					
S2	1-62	1-70#					
S4	1-150	1-207#					
SAVREG	1-22#	1-30	1-263	1-307	1-355		
SETPTR	1-52	1-54#					
SX	1-66	1-69	1-72#				
SX1	1-143	1-146#					
SX1A	1-155	1-176#					
SX1AA	1-179	1-185#					
SX1AC	1-174#						
SX1AD	1-153	1-166	1-171	1-184#			
SX1AE	1-164	1-168	1-172#				
SX1B	1-190#						
SX1C	1-187	1-191#					
SXA	1-73	1-75	1-77	1-133#			
SXAA	1-138	1-140#					
SXAB	1-134	1-137#					
TAB	1-23#	1-32	1-229#				
TABEND	1-23#	1-31	1-232#				
TC1BEL	1-22#	1-130*					
TCCMD	1-22#	1-88*	1-89*	1-90*			
TCMBEL	1-22#	1-131*					
TEMP	1-23#	1-64*	1-65*	1-67*	1-68*	1-70*	1-71*
	1-74	1-113*	1-152	1-154	1-178	1-209	1-233#

DSPCR1 RT-11 CRO VM02-10 00:17:51 PAGE S-3
CROSS REFERENCE TABLE (CREF V01-04)

XCSRK5 1-15#
XPTRTN 1-320 1-331#

...CM1	1-10#	
...CM2	1-10#	
...CM3	1-10#	
...CM4	1-10#	
..V2..	1-9#	1-10
.REGDE	1-9#	1-11

DSPCR2 RT-11 CRO VM02-10 00:19:10
TABLE OF CONTENTS

1- 2 KDENT2
1-240 MOVK3
1-280 DSENT2
1-330 MOVK3

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1      .TITLE  DSPCR2
2      .SBTTL  KDENT2
3      ;
4      ; CRT KEYBOARD INPUT PROCESSOR FOR THE #2 DISPATCH STATION.  INTERRUPT DRIVEN.
5      ; STORES INPUT CHARACTER IN NEXT AVAILABLE BYTE IN 'BUFK3' TABLE.
6      ; SETS UP #2 DISPATCH STATION REQUEST TO PROCESS INPUT DATA WHENEVER A '.' OR '?'
7      ; IS RECEIVED.
8      ;
9      .MCALL  ..V2....REGDEF
10 00000      ..V2...
11 00000      .REGDEF
12      .NLIST  BEX
13      ;
14      175612 RBUFK3 =      175612      ; 'K3' RECEIVER DATA BUFFER REGR
15      175610 XCSRK3 =      175610      ; 'K3' TRANSMITTER STATUS BUFFER
16      175616 RBUFC3 =      175616      ; 'C3' RECEIVER DATA BUFFER REGR
17      ;
18      .GLOBL  BUFK3      ; INPUT STORAGE BUFFER
19      .GLOBL  DSFLAG      ; #2DISPATCH STATION FLAG
20      .GLOBL  KDENT2      ; XPT ENTRY POINT
21      .GLOBL  PDK3,PDK3,PDK3      ; PHYSICAL DEVICE TABLE FOR 'K3'
22      .GLOBL  SAVREG,RSTREG,G11BEL,GIMBEL
23      .GLOBL  CURSE1,DSCTR4,DSFLG4,MOVK3,INPUT2,RLD2,TEMP,TAB,TABEND
24      .GLOBL  DFLGG1,DSPCM1,GICMD,BASEC1,BUFK3,GBFCMD,MOV3,ESCO
25      .GLOBL  DFLAGG,BUFC3,CRFLG2,DSFLG2,DSFLAG,DSSENT2,CRTC31
26      .GLOBL  DSINPB,DSINPP,DSEND,DSCMD2,NO2PTR,PSWDFG,IFLAG3,IFLAG4,IFLAGY
27      ;
28 00000 000000 DSPCR2: .=.
29 00000 010546 KDENT2: MOV      R5,-(SP)      ; SAVE R5
30 00002 004567      JSR      R5,SAVREG      ; SAVE REGISTERS
31 00006 016701      MOV      TABEND,R1      ; GET COUNTER
32 00012 126167 K1:   CMPB     TAB(R1),RBUFK3      ; IS INPUT CHAR. IN TABLE?
33 00020 00404      BEQ      K2      ; YES, GO PROCESS
34 00022 005301      DEC      R1      ; ALL CHARACTERS TESTED?
35 00024 100372      BPL      K1      ; NO, TRY AGAIN
36 00026 000167      JMP      RETURN      ; GETOUT
37      ;
38      ;      MOVE BYTE TO BUFK3
39      ;
40 00032 012704 K2:   MOV      #BUFK3+4,R4      ; GET STARTING ADDRESS
41 00036 010402      MOV      R4,R2      ; STORE ADDRESS
42 00040 005302      DEC      R2      ; SET POINTER FOR BUFR END - 1
43 00042 116703      MOVB     BUFK3+3,R3      ; GET INPUT OFFSET
44 00046 042703      BIC      #177400,R3      ; CLEAR OTHER BITS
45 00052 060304      ADD      R3,R4      ; ADD OFFSET
46 00054 116701      MOVB     BUFK3,R1      ; GET LENGTH OFFSET
47 00060 042701      BIC      #177400,R1      ; CLEAR OTHER BITS
48 00064 060102      ADD      R1,R2      ; ADD OFFSET
49 00066 116714      MOVB     RBUFK3,(R4)      ; MOVE BYTE
50 00072 005203      INC      R3      ; INCREMENT INPUT
51 00074 020402      CMP      R4,R2      ; AT END?
52 00076 100401      BMI      SETPTR      ; YES, GO AROUND
53 00100 005003      CLR      R3      ; RESET OFFSET

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54 00102 110367 SETPTR: MOVB      R3,BUFC3+3          ; UPDATE 'IN' PTR
55                                     ;
56                                     ; DETERMINE IF TERMINATION CONDITION RECEIVED .
57                                     ; IF SO, THEN SETUP TO SCHEDULE EDIT PROCESS.
58                                     ;
59 00106 122703          CMPB      #1,R3              ; IS THIS THE FIRST CHAR.?
60 00112 001404          BEQ        S1                  ; NO, GO AROUND
61 00114 122703          CMPB      #2,R3              ; IS THIS THE SECOND CHAR.?
62 00120 001417          BEQ        S2                  ; YES, GO AROUND
63 00122 000407          BR         S1A                 ; GO TO MORE THAN 2
64 00124 116467 S1:      MOVB      47(R4),TEMP         ; GET PREVIOUS CHAR.
65 00132 116467          MOVB      46(R4),TEMP+2
66 00140 000415          BR         SX                  ; GO AROUND
67 00142 116467 S1A:     MOVB      -2(R4),TEMP+2
68 00150 116467          MOVB      -1(R4),TEMP         ; STORE
69 00156 000406          BR         SX
70 00160 116467 S2:      MOVB      -1(R4),TEMP
71 00166 116467          MOVB      46(R4),TEMP+2
72 00174 122714 SX:      CMPB      #64,(R4)             ; IS INPUT A '4' ?
73 00200 001171          BNE        SXA                 ; NO, GO AROUND
74 00202 122767          CMPB      #105,TEMP           ; IS CHARACTER AN E?
75 00210 001565          BEQ        SXA                 ; YES, GO AROUND
76 00212 105767          TSTB      CTR2                ; IS THIS THE FIRST TIME THRU?
77 00216 001162          BNE        SXA                 ; NO, GO AROUND
78 00220 032767          BIT        #100000,PDTC5+4
79 00226 001402          BEQ        OUT1YX
80 00230 000167          JMP        RETURN
81 00234 052767 OUT1YX:  BIS        #100000,PDTC3+4
82 00242 004267          JSR        R2,BASECI
83 00246 000      .BYTE          0,0,26,,6
84 00252 000455          BR         OUT1X
85 00254 005067 OUT1Y:   CLR        DFLAGG
86 00260 004267          JSR        R2,BASECI           ; OUTPUT ERROR MESSAGE
87 00264 000      .BYTE          0,0,26,,5
88 00270 005067          CLR        GICMD-4
89 00274 005067          CLR        GICMD
90 00300 005067          CLR        GICMD+2
91 00304 042767          BIC        #177710,PDTC3
92 00312 005067          CLR        PDTC3+2
93 00316 005067          CLR        PDTC3+4
94 00322 052767          BIS        #1000,PDTC3+2
95 00330 005267          INC        CRFLG2
96 00334 005067          CLR        BUFC3+2
97 00340 005067          CLR        BUFC3+4
98 00344 105014          CLRB      (R4)
99 00346 012767          MOV        #7777,IFLAG3
100 0354 005367 OUT1YC:  DEC        IFLAG3
101 0360 100375          BPL        OUT1YC
102 0362 005067          CLR        IFLAG3
103 0366 004567          JSR        R5,MOV3
104 0372 000402          .WORD      GBF10,4,1
105 0400 000417          BR         OUT1XA
106 0402          107 GBF10: .ASCII /GBF1/

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107	0406	005067	OUT1X:	CLR	PDTC3	
108	0412	005067		CLR	PDTC3+2	
109	0416	042767		BIC	#77777,PDTC3+4	
110	0424	005067		CLR	CRFLG2	
111	0430	005067		CLR	BUFC3+2	
112	0434	005067		CLR	BUFC3+4	
113	0440	005067	OUT1XA:	CLR	TEMP+2	
114	0444	142767		BICB	#70,DSFLAG+1	
115	0452	005067		CLR	DFLAGG	
116	0456	005067		CLR	IFLAGY	
117	0462	105067		CLRB	PSWDFG+1	
118	0456	005067		CLR	IFLAG3	
119	0472	005067		CLR	IFLAG4	
120	0476	105067		CLRB	GBFCMD+1	
121	0502	005067		CLR	DSCMD2	
122	0506	005067		CLR	DSCTR4	
123	0512	005067		CLR	NO2PTR	
124	0516	005067		CLR	DSFLG2	
125	0522	005067		CLR	DSFLG4	
126	0526	105067		CLRB	CURSE1+1	
127	0532	005067		CLR	RLD2	; RESET RAM LOAD FLAG
128	0536	005067		CLR	CTR2	
129	0542	005067		CLR	DFLGG1	
130	0546	005067		CLR	GI1BEL	
131	0552	005067		CLR	GIMBEL	
132	0556	012767		MOV	#1130,DFLGG1-4	
133	0564	105767	SXA:	TSTB	GBFCMD+1	; IS GBF COMMAND FLAG SET?
134	0570	001405		BEQ	SXAB	; NO, GO AROUND
135	0572	105067		CLRB	GBFCMD+1	; RESET FLAG
136	0576	116767		MOVB	BUFK3+3,BUFK3+2	; RESET INPUT POINTER
137	0604	005767	SXAB:	TST	IFLAGY	
138	0610	001003		BNE	SXAA	
139	0612	042767		BIC	#100,PDTC3	; CLEAR BUSY FLAG
140	0620	005267	SXAA:	INC	CTR2	; INCREMENT POINTER
141	0624	112767		MOVB	#10,OUT+3	; SET EDITOR FLAG
142	0632	122714		CMPB	#004,(R4)	; 'EOT' CHARACTER?
143	0636	001005		BNE	SX1	; NO, GO AROUND
144	0640	042767		BIC	#4000,PDTC3+2	
145	0646	105367		DECB	BUFK3+3	; RESET POINTER
146	0652	122714	SX1:	CMPB	#235,(R4)	; IS INPUT A NORMAL <CR>
147	0656	001526		BEQ	OUT235	; YES, GO EDIT
148	0660	062767		ADD	#4000,OUT+2	; UPDATE PNTR
149	0666	122714		CMPB	#56,(R4)	; IS INPUT A PERIOD?
150	0672	001145		BNE	S4	; NO, GO TEST FOR A ?
151	0674	062767		ADD	#10000,OUT+2	; UPDATE POINTER
152	0702	122767		CMPB	#15,TEMP	; IS PREVIOUS CHAR. A <CR>
153	0710	001066		BNE	SX1AD	; YES, GETOUT
154	0712	122767		CMPB	#60,TEMP+2	; IS INPUT A 0 ?
155	0720	001051		BNE	SX1A	; NO, GO AROUND
156	0722	005067		CLR	DSFLG4	; CLEAR FLAG
157	0726	005067		CLR	DSCTR4	; CLEAR COUNTER
158	0732	042767		BIC	#100,PDTC3	; CLEAR BUSY BIT
159	0740	116767		MOVB	BUFK3+3,BUFK3+2	; RESET INPUT POINTER

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160 0746 112767      MOVB      #10,OUT+3      ; SET UP FOR EDITOR
161 0754 005067      CLR        IFLAGY
162 0760 005067      CLR        IFLAG4
163 0764 005767      TST        PDTC3+2
164 0770 001415      BEQ        SX1AE
165 0772 032767      BIT        #1000,PDTC3+2
166 1000 001032      BNE        SX1AD
167 1002 032767      BIT        #2000,PDTC3+2
168 1010 001405      BEQ        SX1AE
169 1012 105267      INCB       DFLAGG
170 1016 005067      CLR        CTR2
171 1022 000421      BR         SX1AD
172 1024 032767      SX1AE:     BIT        #600,PDTC3
173 1032 001507      BEQ        OUT
174 1034 112767      SX1AC:     MOVB      #40,OUT+3
175 1042 000503      BR         OUT
176 1044 005767      SX1A:     TST        RLD2      ; IS RAM LOAD IN PROCESS
177 1050 001100      BNE        OUT              ; YES, GETOUT
178 1052 122767      CMPB      #77,TEMP+2
179 1060 001003      BNE        SX1AA
180 1062 000167      JMP        OUT1Y
181 1066 000511      SX1AD:     BR         RETURN
182 1070 062767      SX1AA:     ADD        #4000,OUT+2      ; UPDATE POINTER
183 1076 122767      CMPB      #10,CTR2      ; IS PASSWORD ENTRY VALID ?
184 1104 001005      BNE        SX1C          ; NO, GETOUT
185 1106 005267      INC        DSFLG4      ; SET 4 MIN. TIMEOUT
186 1112 105267      INCB      PSWDFG+1      ; SET PASSWORD FLAG BYTE
187 1116 000455      SX1B:     BR         OUT      ; GO TO EDITOR
188 1120 005067      SX1C:     CLR        CTR2      ; RESET COUNTER
189 1124 116767      MOVB      BUFK3+3,BUFK3+2      ; RESET INPUT REGISTER
190 1132 000467      BR         RETURN      ; GET OUT
191 1134 105767      OUT235:    TSTB      PSWDFG+1
192 1140 001404      BEQ        OUT2A
193 1142 105267      INCB      BUFK3+2
194 1146 105067      CLRB      PSWDFG+1
195 1152 004567      OUT2A:     JSR        R5,MOVK3
196 1156 001322*01:     .WORD      INPUT2,0
197 1162 016702      MOV        01+2,R2
198 1166 062702      ADD        #INPUT2-1,R2      ; GET ADDRESS OF DATA
199 1172 012701      MOV        #INPUT2+9,,R1      ; STORE BEGINNING ADDR FOR NEXT CYCLE
200 1176 105022      04:       CLRB      (R2)+      ; CLEAR OTHER BYTES
201 1200 020102      CMP        R1,R2          ; AT END OF BUFFER
202 1202 100375      BPL        04            ; NOT DONE, TRY AGAIN
203 1204 000422      BR         OUT
204 1206 122714      S4:       CMPB      #77,(R4)
205 1212 001037      BNE        RETURN
206 1214 122767      CMPB      #56,TEMP      ; IS PREVIOUS INPUT A PERIOD?
207 1222 001001      BNE        OUTAA         ; YES, ERROR
208 1224 000432      BR         RETURN
209 1226 005767      OUTAA:     TST        RLD2
210 1232 001004      BNE        OUTAB
211 1234 116767      MOVB      BUFK3+3,BUFK3+2      ; RESET INPUT POINTER
212 1242 000423      BR         RETURN

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213 1244 105767 OUTAB: TSTB PSWDFG+1
214 1250 001420 BEQ RETURN
215 1252 052767 OUT: BIS #400,DSFLAG ; INITIATE EDIT
216 1260 122767 CMPB #10,DSFLAG+1
217 1266 001007 SNE OUTAC
218 1270 142767 BICB #70,DSFLAG+1
219 1276 004267 JSR R2,DSPCMI
220 1302 000000 .WORD 0,33.
221 1306 005067 OUTAC: CLR CTR2 ; RESET RAMLOAD COUNTER
222 1312 004567 RETURN: JSR R5,RSTREG ; RESTORE REGISTERS
223 1316 012605 MOV (SP)+,R5 ; RESTORE R5
224 1320 000002 RTI ; XPT RETURN
225
226 1322 000000 INPUT2: .WORD 0,0,0,0,0
227 1334 000000 EOTFLG: .WORD 0
228 1336 000000 CTR2: .WORD 0
229 1340 000050 BUFK3: .WORD 40.
230 1342 000 .BYTE 0,0
231 .BLKW 20.
232 1414 001000 BUFC3: .WORD 512.
233 1416 000000 .WORD 0,0
234 .BLKW 256.
235 2422 000001 PDTC3: .WORD 1,0,0,0,0,0,0
236 2440 000000 IFLAG3: .WORD 0
237 2442 000000 IFLAG4: .WORD 0
238 2444 000000 IFLAGY: .WORD 0
239
240 .SBTTL MOVK3
241
242
243 ; MOVES NEXT INPUT REQUEST DATA FROM THE DISPATCH STATION CRT KEYBOARD (K3)
244 ; INPUT BUFFER TO THE GIVEN DESTINATION BUFFER. THE NUMBER OF CHARACTERS
245 ; TRANSFER IS RETURNED IN THE 2ND REGUMENT.
246
247
248 ; JSR R5,MOVK3
249 ; .WORD DESTINATION BUFFER
250 ; .WORD # CHARS (RETURNED)
251
252 2446 012501 MOVK3: MOV (R5)+,R1 ;DESTIN ADR
253 2450 004567 JSR R5,SAVREG ; SAVE REGISTERS
254 2454 005067 CLR CHARS ;# CHARS
255 2460 116703 MOVB BUFK3+2,R3 ;OUT PTR
256 2464 116704 MOVB BUFK3+3,R4 ;IN PTR
257 2470 116702 MOVB BUFK3,R2 ;TABLE LENGTH
258 2474 042702 BIC #177400,R2
259 2500 042703 BIC #177400,R3
260 2504 042704 BIC #177400,R4
261 2510 020304 NEXT: CMP R3,R4 ;ANY (MORE) DATA ?
262 2512 001414 BEQ NOMORE
263 2514 116321 MOVE: MOVB BUFK3+4(R3),(R1)+
264 2520 005267 INC CHARS ; INCREMENT COUNT
265 2524 022767 CMP #9,,CHARS

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266 2532 100413      BMI      NOMOR1
267 2534 005203      INC      R3
268 2536 020302      CMP      R3,R2
269 2540 100763      BMI      NEXT
270 2542 005003      CLR      R3
271 2544 110367  NOMORE: MOVB   R3,BUFC3+2      ;UPDATE OUTPTR
272 2550 004567      JSR      R5,RSTREG        ; RESTORE REGISTERS
273 2554 016725      MOV      CHARS,(R5)+      ;RETURN # CHARS
274 2560 000205      RTS      R5
275 2562 010403  NOMOR1: MOV   R4,R3
276 2564 000767      BR       NOMORE
277                ;
278 2566 000000  CHARS:  .WORD  0
279                ;
280                .SBTTL  DSENT2
281                ;
282                ; DISPLAY OUTPUT PROCESSOR FOR THE #2 DISPATCH STATION CRT (C3).  MAY BE CALLED
283                ; EITHER BY AN INTERRUPT OR TO START OUTPUTTING A CRT DISPLAY.  USES
284                ; 'BUFC3' TABLE TO GET NEXT (FIRST) BYTE TO TRANSMIT.  PHILOSOPHY IS TO
285                ; INITIALLY CALL THIS PROCESS TO TRANSFER THE FIRST BYTE OF A DISPLAY
286                ; AND THEN HAVE THE ROUTINE INTERRUPT DRIVEN (TRANSFER NEXT BYTE UPON
287                ; RECEIVING COMPLETION INTERRUPT ON LAST BYTE TRANSMISSION).
288                ;
289                ;      JMP DSENT2                XPT CALL
290                ;      OR
291                ;      JMP  CRTC31                TRANSMIT FIRST CHARACTER
292                ;
293                .MCALL  ..V2....REGDEF
294 2570      ..V2...
295 2570      .REGDEF
296          .NLIST  BEX
297          ;
298 2570 010546  DSENT2: MOV   R5,-(SP)      ;SAVE R5
299 2572 005005      CLR      R5
300 2574 000403      BR       GETBYT
301 2576 010546  CRTC31: MOV   R5,-(SP)      ;CALLED TO START DISPLAY
302 2600 012705      MOV      #1,R5
303 2604 004567  GETBYT: JSR   R5,SAVREG      ; SAVE REGISTERS
304 2610 016700      MOV      BUFC3+2,R0
305 2614 026700      CMP      BUFC3+4,R0
306 2620 001422      BEQ      FINI1          ; DISPLAY COMPLETE
307 2622 005200      INC      R0
308 2624 010067      MOV      R0,BUFC3+2
309 2630 016701      MOV      BUFC3,R1
310 2634 020001      CMP      R0,R1
311 2636 100402      BMI      OUT1
312 2640 005067      CLR      BUFC3+2
313 2644 116067  OUT1:  MOVB   BUFC3+5(R0),RBUFC3
314 2652 004567  FINI:  JSR   R5,RSTREG      ; RESTORE REGISTERS
315 2656 005705      TST      R5
316 2660 001420      BEQ      XPTRTN
317 2662 012605      MOV      (SP)+,R5
318 2664 000205      RTS      R5

```



```

319 2666 005767 FINI1: TST IFLAGY
320 2672 00:003 BNE FINI1A
321 2674 042767 BIC #100,PDTC3
322 2702 005767 FINI1A: TST CRFLG2
323 2706 00:761 BEQ FINI
324 2710 005367 DEC CRFLG2
325 2714 005267 INC DSFLG2
326 2720 000754 BR FINI
327 2722 012605 XPTRTN: MOV (SP)+,R5
328 2724 000002 RTI
329 ;
330 .SBTTL MOV C3
331 ;
332 ; MOVES DATA TO #2 DISPATCH STATION CRT (C3) OUTPUT BUFFER (BUFC3). INITIATES
333 ; OUTPUT DRIVER IF BUFFER WAS EMPTY PRIOR TO CALL. RETURNS 'ERROR' NOT =0
334 ; IF BUFFER CANNOT HOLD NEW DATA
335 ;
336 ; JSR R5,MOV C3
337 ; .WORD SOURCE BUFFER ADDRESS
338 ; .WORD # CHARS1
339 ; .WORD ERROR FLAG
340 ;
341 2726 032767 MOV C3: BIT #1,PDTC3
342 2734 00:064 BNE IGNORE
343 2736 052767 BIS #100,PDTC3
344 2744 010546 MOV R5,-(SP)
345 2746 012500 MOV (R5)+,R0 ;SOURCE ADDRESS
346 2750 012567 MOV (R5)+,CHARS1 ;# CHARS1
347 2754 010567 MOV R5,ERROR ;ADDRESS OF ERROR FLAG
348 2760 005077 CLR @ERROR
349 2764 004567 JSR R5,SAVREG ;SAVE REGISTERS
350 2770 005002 CLR R2 ;OUTPUT CHAR FLAG
351 2772 016705 MOV BUFC3,R5 ;TABLE LENGTH (# CHARS1)
352 2776 016704 MOV BUFC3+2,R4 ;OUTPUT POSITION
353 3002 016701 MOV BUFC3+4,R1 ;INPUT POSITION
354 ;
355 ; DETERMINE IF BUFFER CAN HOLD NEW DATA
356 ;
357 3006 010403 MOV R4,R3
358 3010 160103 SUB R1,R3
359 3012 020104 CMP R1,R4
360 3014 00:001 BNE PEND
361 3016 005202 INC R2 ;SET R2 TO BEGIN OUTPUT DRIVER
362 3020 100401 PEND: BMI ENUF
363 3022 060503 ADD R5,R3
364 3024 005303 ENUF: DEC R3
365 3026 020367 CMP R3,CHARS1
366 3032 100433 BMI NOROOM
367 3034 12:027 CMPB (R0),#33
368 3040 00:002 BNE MOVE1
369 3042 005267 INC IFLAGY
370 ;
371 ; MOVE DATA

```

```

372 ;
373 3046 112061 MOVE1: MOVEB (R0)+,BUFC3+6(R1)
374 3052 005201 INC R1
375 3054 020105 CMP R1,R5
376 3056 100401 BMI CKDONE
377 3060 005001 CLR R1
378 3062 005367 CKDONE: DEC CHARS1
379 3066 001367 BNE MOVE1
380 3070 010167 MOV R1,BUFC3+4
381 ;
382 ; SEE IF OUTPUT DRIVER SHOULD BE CALLED
383 ;
384 3074 005302 DEC R2
385 3076 001013 BNE END
386 3100 004567 JSR R5,CRTC31 ;OUTPUT FIRST BYTE
387 3104 000410 BR END
388 3106 062705 IGNORE: ADD #4,R5
389 3112 005015 CLR (R5)
390 3114 062705 ADD #2,R5
391 3120 000407 BR RET
392 3122 005277 NOROOM: INC @ERROR ;SET ERROR = NO ROOM
393 3126 004567 END: JSR R5,R0TREG ; RESTORE REGISTERS
394 3132 012605 MOV (SP)+,R5
395 3134 062705 ADD #6,R5
396 3140 000205 RET: RTS R5
397 3142 000000 CHARS1: .WORD 0
398 3144 000000 ERROR: .WORD 0
399 000000 .END DSPCR2

```

BASEC1= ***** G	BUFC3 001414RG	BUFK3 001340RG
CHARS 002566R	CHARS1 003142R	CKDONE 003062R
CRFLG2= ***** G	CRTC31 002576RG	CTR2 001336R
CURSE1= ***** G	DFLAGG= ***** G	DFLGG1= ***** G
DSCMD2= ***** G	DSCTR4= ***** G	DSEND = ***** G
DSENT2 002570RG	DSFLAG= ***** G	DSFLG2= ***** G
DSFLG4= ***** G	DSINPB= ***** G	DSINPP= ***** G
DSPCM1= ***** G	DSPCR2 000000R	END 003126R
ENUF 003024R	EOTFLG 001334R	ERROR 003144R
ESCO = ***** G	FINI 002652R	FINI1 002666R
FINI1A 002702R	GBFCMD= ***** G	GBFLO 000402R
GETBYT 002604R	GICMD = ***** G	GIMBEL= ***** G
GIIBEL= ***** G	IFLAGY 002444RG	IFLAG3 002440RG
IFLAG4 002442RG	IGNORE 003106R	INPUT2 001322RG
KDENT2 000000RG	K1 000012R	K2 000032R
MOV3 002726RG	MOVE 002514R	MOVE1 003046R
MOVK3 002446RG	NEXT 002510R	NOMORE 002544R
NOMOR1 002562R	NOROOM 003122R	NO2PTR= ***** G
OUT 001252R	OUTAA 001226R	OUTAB 001244R
OUTAC 001306R	OUT1 002644R	OUTX 000406R
OUT1XA 000440R	OUT1Y 000254R	OUTYC 000354R
OUT1YX 000234R	OUT2A 001152R	OUT235 001134R
O1 001156R	O4 001176R	PC =%000007
PDT3 002422RG	PDTCS = ***** G	PDTK3 = ***** G
PEND 003020R	PSWDFG= ***** G	RBUFC3= 175616
RBUFK3= 175612	RET 003140R	RETURN 001312R
RLD2 = ***** G	RSTREG= ***** G	R0 =%000000
R1 =%000001	R2 =%000002	R3 =%000003
R4 =%000004	R5 =%000005	SAVREG= ***** G
SETPTR 000102R	SP =%000006	SX 000174R
SXA 000564R	SXAA 000620R	SXAB 000604R
SX1 000652R	SX1A 001044R	SX1AA 001070R
SX1AC 001034R	SX1AD 001066R	SX1AE 001024R
SX1B 001116R	SX1C 001120R	S1 000124R
S1A 000142R	S2 000160R	S4 001206R
TAB = ***** G	TABEND= ***** G	TEMP = ***** G
XCSRK3= 175610	XPTRN 002722R	...V2 = 000001

. ABS. 000000 000
003146 001

ERRORS DETECTED: 0
FREE CORE: 17476. WORDS

.LF:/C:=DSPCR2.MAC

...	1-28	1-28#					
...V2	1-10#	1-294#					
BASEC1	1-24#	1-82	1-86				
BUFC3	1-25#	1-96*	1-97*	1-111*	1-112*	1-232#	1-304
	1-305	1-308*	1-309	1-312*	1-313	1-351	1-352
	1-353	1-373*	1-380*				
BUFK3	1-18#	1-24#	1-40	1-43	1-46	1-54*	1-136
	1-136*	1-145*	1-159	1-159*	1-189	1-189*	1-193*
	1-211	1-211*	1-229#	1-255	1-256	1-257	1-263
	1-271*						
CHARS	1-254*	1-264*	1-265	1-273	1-278#		
CHARS1	1-346*	1-365	1-378*	1-397#			
CKDONE	1-376	1-378#					
CRFLG2	1-25#	1-95*	1-110*	1-322	1-324*		
CRTC31	1-25#	1-301#	1-386				
CTR2	1-76	1-128*	1-140*	1-170*	1-183	1-188*	1-221*
	1-228#						
CURSE1	1-23#	1-126*					
DFLAGG	1-25#	1-85*	1-115*	1-169*			
DFLAG1	1-24#	1-129*	1-132*				
DSC102	1-26#	1-121*					
DSCTR4	1-23#	1-122*	1-157*				
DSEND	1-26#						
DSENT2	1-25#	1-298#					
DSFLAG	1-19#	1-25#	1-114*	1-215*	1-216	1-218*	
DSFLG2	1-25#	1-124*	1-325*				
DSFLG4	1-23#	1-125*	1-156*	1-185*			
DSINPB	1-26#						
DSINPP	1-26#						
DSPCM1	1-24#	1-219					
DSPCR2	1-28#	1-399					
END	1-385	1-387	1-393#				
ENUF	1-362	1-364#					
EOTFLG	1-227#						
ERROR	1-347*	1-348*	1-392*	1-398#			
ESCO	1-24#						
FINI	1-314#	1-323	1-326				
FINI1	1-306	1-319#					
FINI1A	1-320	1-322#					
GBF10	1-104	1-106#					
GBFCMD	1-24#	1-120*	1-133	1-135*			
GETBYT	1-300	1-303#					
G11BEL	1-22#	1-130*					
G1CMD	1-24#	1-88*	1-89*	1-90*			
G1MBEL	1-22#	1-131*					
IFLAG3	1-26#	1-99*	1-100*	1-102*	1-118*	1-236#	
IFLAG4	1-26#	1-119*	1-162*	1-237#			
IFLAGY	1-26#	1-116*	1-137	1-161*	1-238#	1-319	1-369*
IGNORE	1-342	1-388#					
INPUT2	1-23#	1-196	1-198	1-199	1-226#		
K1	1-32#	1-35					
K2	1-33	1-40#					
KDENT2	1-20#	1-29#					
MOV3	1-24#	1-103	1-341#				
MOVE	1-263#						
MOVE1	1-368	1-373#	1-379				

MOVK3	1-23#	1-195	1-252#				
NEXT	1-261#	1-269					
NO2PTR	1-26#	1-123*					
NOMOR1	1-266	1-275#					
NOMORE	1-262	1-271#	1-276				
NOROOM	1-366	1-392#					
O1	1-196#	1-197					
O4	1-200#	1-202					
OUT	1-141*	1-148*	1-151*	1-160*	1-173	1-174*	1-175
	1-177	1-182*	1-187	1-203	1-215#		
OUT1	1-311	1-313#					
OUT1X	1-04	1-107#					
OUT1XA	1-105	1-113#					
OUT1Y	1-05#	1-180					
OUT1YC	1-100#	1-101					
OUT1YX	1-79	1-81#					
OUT235	1-147	1-191#					
OUT2A	1-192	1-195#					
OUTAA	1-207	1-209#					
OUTAB	1-210	1-213#					
OUTAC	1-217	1-221#					
PDTCC3	1-21#	1-81*	1-91*	1-92*	1-93*	1-94*	1-107*
	1-108*	1-109*	1-139*	1-144*	1-158*	1-163	1-165
	1-167	1-172	1-235#	1-321*	1-341	1-343*	
PDTCC5	1-21#	1-78					
PDTK3	1-21#						
PEND	1-360	1-362#					
PSWDFG	1-26#	1-117*	1-186*	1-191	1-194*	1-213	
RBUFC3	1-16#	1-313*					
RBUFK3	1-14#	1-32	1-49				
RET	1-391	1-396#					
RETURN	1-36	1-80	1-181	1-190	1-205	1-208	1-212
	1-214	1-222#					
RLD2	1-23#	1-127*	1-176	1-209			
RSTREG	1-22#	1-222	1-272	1-314	1-393		
S1	1-60	1-64#					
S1A	1-63	1-67#					
S2	1-62	1-70#					
S4	1-150	1-204#					
SAVREG	1-22#	1-30	1-253	1-303	1-349		
SETPTR	1-52	1-54#					
SX	1-66	1-69	1-72#				
SX1	1-143	1-146#					
SX1A	1-155	1-176#					
SX1AA	1-179	1-182#					
SX1AC	1-174#						
SX1AD	1-153	1-166	1-171	1-181#			
SX1AE	1-164	1-168	1-172#				
SX1B	1-187#						
SX1C	1-184	1-188#					
SXA	1-73	1-75	1-77	1-133#			
SXAA	1-138	1-140#					
SXAB	1-134	1-137#					
TAB	1-23#	1-32					
TABEND	1-23#	1-31					
TEMP	1-23#	1-64*	1-65*	1-67*	1-68*	1-70*	1-71*
	1-74	1-113*	1-152	1-154	1-178	1-206	

DSPCR2 RT-11 CRO VM02-10 00:19:10 PAGE S-3
CROSS REFERENCE TABLE (CREF V01-04)

XCSRK3 1-15#
XPTRTN 1-316 1-327#

...CM1	1-10#	1-294#		
...CM2	1-10#	1-294#		
...CM3	1-10#	1-294#		
...CM4	1-10#	1-294#		
..V2..	1-9#	1-10	1-293#	1-294
.REGDE	1-9#	1-11	1-293#	1-295

CONTINUED

4 OF 29

```

1      .TITLE  VEHXPT
2
3      ;
4      ;      VEHXPT = VEHICLE INTERRUPT PROCESSOR -- CARGO SECURITY
5      ;
6      ;      OBJECT: TO ESTABLISH COMMUNICATION BETWEEN THE CSS BASE STATION
7      ;                  AND THE INDIVIDUAL VEHICLE I/O UNITS.....
8
9      ;      THIS ROUTINE PROCESSES INPUTS FROM THE VEHICLES, ON INTERRUPT.
10     ;      THE VEHICLES ARE CHECKED AGAINST A VEHICLE QUEUE TO DETERMINE
11     ;      IF THE VEHICLE IS ENABLED AND OPERATING.  THE VEHICLE
12     ;      INPUTS ARE TESTED FOR VALIDITY AND IF SO THE VEHICLE
13     ;      MODE IS THEN DETERMINED.
14
15     ;      THERE ARE SECTIONS OF LOGIC FOR EACH VEHICLE INPUT MODE.
16     ;      UPON DETERMINING THE VEHICLE MODE, THE APPROPRIATE
17     ;      LOGIC IS SELECTED AND THE RESPECTIVE FLAGS AND
18     ;      OUTPUT COMMAND ARE SET AND INITIATED.  THE VEHICLE
19     ;      INPUT DATA (2 WORDS) ARE STORED IN APPROPRIATE BUFFERS
20     ;      FOR LATER PROCESSING BY OTHER ROUTINES.....
21
22     ;      ..... EXTERNAL VARIABLES -- REFERENCED IN VEHXPT & PROCESSED
23     ;      IN OTHER ROUTINES .....
24
25     ;      .MCALL  ..V2....REGDEF
26     ;      ..V2...
27     ;      .REGDEF
28     ;      .NLIST  BEX
29
30     ;      .GLOBL  VEHXPT,BASEC1,VALVID,SAVREG,RSTREG,VEHQUE
31     ;      .GLOBL  VSTAT,SMFLAG,SMINPB,SMINPP,RAFLAG,POLBUF,RBUFF
32     ;      .GLOBL  DYDTC,DYDGI,RAINPB,RAINPP,COUTB,COUTP,SSPBUF
33     ;      .GLOBL  SPVEHE,LUFLAG,LUINPB,LUINPP,NOLOG,CTIME,LOGGER
34     ;      .GLOBL  LOCBUF,VCFLAG,ERAFGP,MILBUF,BNDEC
35     ;      .GLOBL  SSPEND,LOCEND,MILEND,SMIEND,RAIEND
36     ;      .GLOBL  TCLRCD,GILRCD,RAYCOM,PHSROL,LUIEND,COUEND
37
38     ;      167774      DRINPB  =      167774      : DR11-C INPUT ADR
39
40     ;      00000 004567 VEHXPT: JSR      R5,SAVREG      : SAVE REG'S
41
42     ;      :
43     ;      :      SAVE THE INPUT WORDS - TEMP BUFERS
44     ;      :
45     ;      :
46     ;      :
47     ;      :
48     ;      :
49     ;      :
50     ;      :
51     ;      :
52     ;      :
53     ;      :

```

```

43 00004 016767      MOV      DRINPB,INWD1
44 00012 000240      NOP
45 00014 000240      NOP
46 00016 000240      NOP
47 00020 016767      MOV      DRINPB,INWD2
48 00026 005767      TST      INWD1      : IS WD #1 = 0?
49 00032 001002      BNE      JMP1      : YES, PRINT ERMMSG #1
50 00034 000167      JMP2:      JMP      EXIT
51 00040 022767      JMP1:      CMP      #-1,INWD1      : NO, IS WD1 = -1?
52 00046 001001      BNE      GO      : YES, PRINT ERMMSG #2
53 00050 000771      BR       JMP2

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54      ;
55      ;      LOG INPUT DATA
56      ;
57 00052 005767 GO:   TST      NOLOG      ; IS NO LOG FLAG SET?
58 00056 001047      BNE      GOAC      ; YES, NO LOGGING REQUIRED
59 00060 016767      MOV      INWD1,LOGDAT ; GET FIRST DATA WORD
60 00066 006367      ASL      LOGDAT      ; SHIFT MODE BITS OVER
61 00072 006367      ASL      LOGDAT
62 00076 106267      ASRB     LOGDAT      ; SHIFT VEH ID BACK
63 00102 106267      ASRB     LOGDAT
64 00106 042767      BIC      #300,LOGDAT ; SET UPLINK DATA BITS
65 00114 032767      BIT      #100000,INWD1 ; IS TAMPER/CMRS BIT SET?
66 00122 001004      BNE      GOAA      ; YES, GO SET
67 00124 042767      BIC      #100000,LOGDAT ; NO, CLEAR THE DATA BIT
68 00132 000403      BR       GOAB      ; GO AROUND
69 00134 052767 GOAA:  BIS      #100000,LOGDAT ; SET TAMPER/CMRS BIT
70 00142 016767 GOAB:  MOV      INWD2,LOGDAT+2
71 00150 016767      MOV      CTIME,LOGDAT+4
72 00156 004567      JSR      R5,LOGGER      ; STORE DATA
73 00162 000170      .WORD    LOGDAT,3
74 00166 000403      BR       GOAC      ; CONTINUE
75 00170 000000 LOGDAT: .WORD    0,0,0      ; LOGGED DATA BUFFER
76      ;
77      ; STRIP & SAVE VEHICLE ID FROM INPUT WORD #1 AND CHECK
78      ; AGAINST THE ENTRIES IN VEHICLE QUEUE FOR A WORKING
79      ; VEHICLE.
80      ;
81 00176 016701 GOAC:  MOV      INWD1,R1      ; R1 = INPUT WD #1
82 00202 042701      BIC      #177700,R1      ; R1 = VEH. ID
83 00206 010167      MOV      R1,VEHID1      ; SAVE VEHICLE ID
84 00212 016704      MOV      VEHID1,R4      ; STORE BINARY VEHICLE ID DATA
85 00216 006301      ASL      R1
86 00220 006301      ASL      R1
87 00222 006301      ASL      R1
88 00224 006301      ASL      R1
89 00226 010167      MOV      R1,VEHID2
90 00232 016701      MOV      VEHID1,R1
91 00236 004567      JSR      R5,BNDEC      ; CONVERT TO ASCII
92 00242 010467      MOV      R4,VEHID      ; STORE ASCII OF VEHICLE DATA
93 00246 012700      MOV      #VEHQUE,R0      ; R0 = ADDR. PTR TO VEH. Q
94 00252 060100      ADD      R1,R0      ; POINT TO QUEUE LOCATION
95 00254 005300      DEC      R0      ; POINT TO THE PROPER LOCATION
96 00256 120120 LOOP:  CMPB     R1,(R0)+      ; DOES VEH. EXIST?
97 00260 001407      BEQ      GO1      ; YES, CONTINUE ...
98 00262 112767      MOVB     #5,TEMP+3
99 00270 004267      JSR      R2,COUT1
100 00274 000167 GOO:  JMP      EXIT      ; GET OUT
101      ;
102      ; DETERMINE POINTER TO VEHICLE STATUS AS FOLLOWS:
103      ; R3 = VEHICLE ID
104      ; GO1: JSR      R5,VALVID
105      ; RETURN FROM VSTATP WITH: ERROR RETURN(R1 NOT EQUAL 0) OR NORMAL RETURN
106      ; R2 = ADDRESS POINTER TO VEHICLE STATUS WD IN VSTAT

```

```

107 ;
108 0300 010103 G01: MOV R1,R3 ; STORE VEHICLE ID
109 0302 004567 JSR R5,VALVID
110 0306 005701 TST R1 ; TEST FOR ERROR
111 0310 001404 BEQ G02 ; NO, GO AROUND
112 0312 112767 MOVB #6,TEMP+3
113 0320 000765 BR G00 ; ERROR RETURN
114 0322 010267 G02: MOV R2,PNTR1 ; PNTR1 = ADDR VEH. STAT BUFR.
115 0326 010204 MOV R2,R4 ; STORE ADDRESS
116 0330 062704 ADD #2,R4 ; SET R4 TO STATUS WORD 1
117 0334 016701 MOV VEHID1,R1
118 0340 032714 BIT #23,(R4)
119 0344 001022 BNE G03
120 0346 032767 BIT #2100,INWD1
121 0354 001016 BNE G03
122 0356 016701 MOV VEHID2,R1
123 0362 052701 BIS #12,R1
124 0366 004267 JSR R2,COUT1
125 0372 042701 BIC #12,R1
126 0376 052701 BIS #4,R1
127 0402 004267 JSR R2,COUT
128 0406 000167 JMP EXIT6
129 0412 016702 G03: MOV INWD1,R2 ; R2 = MODE FIELD (BITS 8-10)
130 0416 000302 SWAB R2 ; MOVE MODE FIELD TO BITS (0-2)
131 ;
132 ; NEXT, DETERMINE THE MODE AVAILABLE AND BRANCH TO
133 ; THE PROCESSOR FOR THAT MODE.
134 ;
135 0420 042702 BIC #177770,R2
136 0424 022702 CMP #5,R2
137 0430 001464 BEQ MODE5A
138 0432 032702 BIT #4,R2
139 0436 001065 BNE MODE4A
140 0440 042764 BIC #100000,10(R4) ; CLEAR RAM LOAD PENDING FLAG
141 0446 022702 CMP #3,R2
142 0452 001455 BEQ MODE3A
143 0454 032702 BIT #2,R2
144 0460 001056 BNE MODE2A
145 0462 022702 CMP #1,R2
146 0466 001455 BEQ MODE1
147 ;
148 ;
149 ; NEXT SECTION CONTAINS THE INDIVIDUAL MODE
150 ; IDENTIFIED AS:
151 ;
152 ; MODE 0 --- SENSOR STATUS
153 ; MODE 1 --- LOCATION STATUS
154 ; MODE 2 --- MILEAGE STATUS
155 ; MODE 3 --- ACKNOWLEDGE STATUS
156 ; MODE 4 --- REMOTE ALARM ARM REQUEST STATUS
157 ; MODE 5 --- ARMED REMOTE ALARM STATUS
158 ;
159 ; FOLLOWING IS MODE 0 LOGIC -- SENSOR STATUS .....

```

```

160      ; AT THIS POINT      R1 = VEHICLE ID
161      ; AND                  R4 = POINTER TO VEHICLE STATUS WD IN VSTAT
162      ;
163 00470 01:402 MODE0: MOV      (R4),R2      ; R2 = VEH. STATUS
164 00472 042714 BIC      #4000,(R4)
165 00478 000241 CLC                      ; (C) = 0
166 00500 006202 ASR      R2      ; SHIFT NORM MODE TO (C)
167 00502 103403 BCS      NORML0      ; NORMAL MODE?
168      ;
169      ; STORE THE INPUT DATA INTO THE REMOTE ALARM PROC.
170      ; BUFFER (RAINPB) AND INCREMENT THE REMOTE
171      ; ALARM PROCESSOR FLAG (RAFLAG).
172      ;
173 00504 004267 RAMOD0: JSR      R2,ROUT
174 00510 000402 BR      EVNT0
175      ;
176      ; STORE THE INPUT DATA INTO THE SENSOR/MILEAGE
177      ; INPUT BUFFER (SMINPB) AND INCREMENT THE SENSOR/MILEAGE
178      ; PROCESSOR FLAG (SMFLAG).
179      ;
180 00512 004267 NORML0: JSR      R2,SMOUT
181      ;
182      ;
183      ; PREPARE TO CHECK FOR EVENT STATUS ...
184      ;
185 00516 016702 EVNT0: MOV      INWD1,R2      ; R2 = INPUT WD #1
186 00522 016700 MOV      VEHID2,R0
187 00526 052700 BIS      #3,R0      ; FORMAT COMMAND WORD FOR SLOW POLL.
188 00532 032702 BIT      #100,R2      ; REQUEST, BIT (6) SET ?
189 00536 00:002 BNE      GSPAD0      ; YES, GET SLOW POLL ADDR
190      ;
191      ; IF REQUEST BIT (#6) = 0, AN EVENT EXISTS AND THE BASE
192      ; STATION MUST ACKNOWLEDGE THAT VEHICLE FROM WHICH THE
193      ; EVENT CAME.
194      ; R1 = VEHICLE ID
195      ; LOAD THE ACKN COMMAND + VEHICLE ID INTO THE COMMAND
196      ; OUTPUT BUFFER (COUTB) AT THE NEXT AVAILABLE LOCATION AS
197      ; INDICATED BY COUTP, THE EXTERNAL POINTER TO COUTB. ADJUST
198      ; BOTH EXTERNAL & INTERNAL (COUTPI) POINTERS TO COUTB APPROPRIATELY.
199      ;
200 00540 004267 ACK0: JSR      R2,COUT1
201      ;
202      ; NEXT, GET THE SLOW POLL ADDRESS, DELETE THIS VEHICLE
203      ; ENTRY TO THE SLOW POLL SENSOR BUFFER (SSPBUB) AND BUMP THE
204      ; VEHICLE COMMAND PROCESSOR FLAG (VCFLAG).
205      ;
206 00544 032714 GSPAD0: BIT      #2,(R4)      ; IS VEHICLE IN REMOTE ALARM MODE?
207 00550 00:012 BNE      D1      ; YES, GO AROUND SENSOR BUFFER TEST
208 00552 012702 MOV      #SSPBUB,R2      ; R2 = ADDR OF SEN. SLOW POLL
209 00556 020022 BAK0: CMP      R0,(R2)+      ; IS THIS THE VEH ID?
210 00560 00:404 BEQ      DLEET0      ; YES, DELETE THIS ENTRY
211 00562 020227 CMP      R2,#SSPEND
212 00566 100773 BMI      BAK0

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213 0570 000402      BR      D1
214 0572 005062 DLEET0: CLR    -2(R2)
215 0576 000167 D1:      JMP    EXIT1
216                      ;
217 0602 000167 MODE5A: JMP    MODE5
218 0606 000167 MODE3A: JMP    MODE3
219 0612 000167 MODE4A: JMP    MODE4
220 0616 000167 MODE2A: JMP    MODE2
221                      ;
222                      ; THE FOLLOWING LOGIC IS MODE 1 -- LOCATION STATUS ...
223                      ; WITH
224                      ;      R1 = VEHICLE ID
225                      ; AND  R4 = POINTER TO VEHICLE STATUS WD IN VSTAT
226                      ;
227 0622 016702 MODE1:  MOV     INWD1,R2
228 0626 042714      BIC     #4000,(R4)
229 0632 042702      BIC     #177077,R2
230 0636 022702      CMP     #400,R2
231 0642 001047      BNE     MODE1A
232 0644 005767      TST     INWD2
233 0650 001041      BNE     MODE1D
234 0652 032764      BIT     #1,10(R4)
235 0660 001040      BNE     MODE1A
236 0662 032764      BIT     #4000,2(R4)
237 0670 001004      BNE     MODE1B
238 0672 032764      BIT     #2,10(R4)
239 0700 001425      BEQ     MODE1D
240 0702 016701 MODE1B: MOV     VEHID2,R1
241 0706 052701      BIS     #4,R1
242 0712 004267      JSR     R2,COUT
243 0716 004267      JSR     R2,COUT
244 0722 052764      BIS     #40000,22(R4)
245 0730 032767      BIT     #1,INWD1
246 0736 001403      BEQ     MODE1E
247 0740 010167      MOV     R1,DYDTC
248 0744 000441      BR      MODE1C
249 0746 010167 MODE1E: MOV     R1,DYDGI
250 0752 000436      BR      MODE1C
251 0754 042764 MODE1D: BIC     #40000,22(R4)
252 0762 032764 MODE1A: BIT     #40000,22(R4)
253 0770 001427      BEQ     MODE1C
254 0772 042764      BIC     #40000,22(R4)
255 1000 042767      BIC     #3700,INWD1
256 1006 052767      BIS     #2000,INWD1
257 1014 012702      MOV     #DYDTC,R2
258 1020 032764      BIT     #1,-2(R4)
259 1026 001002      BNE     MODE1F
260 1030 012702      MOV     #DYDGI,R2
261 1034 005012 MODE1F: CLR     (R2)
262 1036 012762      MOV     #10,,10(R2)
263 1044 000167      JMP     MODE4
264 1050 011402 MODE1C: MOV     (R4),R2
265 1052 000241      CLC

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; R2 = VEH. STATUS
; (C) = 0

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266 1054 006202      ASR      R2      ; IS C = 1, NORMAL MODE ?
267 1056 103537      BCS      NORML1 ; YES
268
269 ; CHECK THE INPUT WD TO DETERMINE IF MODE 1
270 ; OCCURS WITH THE ROLLOVER BIT SET IN REMOTE ALARM MODE. IF SO
271 ; AN ERROR CONDITION EXISTS.
272
273 ; IF NOT AN ERROR -- THEN CHANGE VEH. STATUS MODE TO
274 ; NORMAL AND ADD VEHICLE TO SLOW POLL ENTRY BUFR.
275
276 1060 032764 RAMOD1: BIT      #4000,22(R4)
277 1066 001426      BEQ      RAMOD3      ; NOT SET GET OUT
278 1070 012701      MOV      #TCLRCD+10,R1
279 1074 032714      BIT      #40,(R4)
280 1100 001402      BEQ      RAMOD2
281 1102 012701      MOV      #GILRCD+10,R1
282 1106 121164 RAMOD2: CMPB     (R1),-2(R4)
283 1112 001407      BEQ      RAMOD4
284 1114 116467      MOVB     -2(R4),RAMOD4-2
285 1122 004267      JSR      R2,BASEC1
286 1126 000      .BYTE     0,0,24,,72.
287 1132 042764 RAMOD4: BIC      #4000,22(R4)
288 1140 005061      CLR      -10(R1)
289 1144 032767 RAMOD3: BIT      #200,INWD1      ; NO, IS ROLLOVER SET?
290 1152 001413      BEQ      CVEHS
291 1154 016701      MOV      VEHD2,R1
292 1160 052701      BIS      #12,R1
293 1164 004267      JSR      R2,COUT
294 1170 112767      MOVB     #8,,TEMP+3
295 1176 000167 CERR:  JMP      EXIT2      ; YES, ERROR COND ...
296 1202 032764 CVEHS: BIT#20000,22(R4)
297 1210 001413      BEQ      CVEHS1
298 1212 042764      BIC      #20000,22(R4)
299 1220 016701      MOV      VEHD2,R1
300 1224 052701      BIS      #10,R1
301 1230 004267      JSR      R2,COUT
302 1234 000167      JMP      EXIT
303 1240 016701 CVEHS1: MOV      VEHD2,R1
304 1244 012703      MOV      #RBUF,R3      ; GET REMOTE ALARM COMMAND BUFFER
305 1250 011300 RAR1AA: MOV      (R3),R0      ; GET CONTENTS OF BUFFER
306 1252 042700      BIC      #176041,R0      ; CLEAR ALL BUT ID BITS
307 1256 005700      TST      R0      ; IS COMMAND TO ID '0'
308 1260 001410      BEQ      RAR1AB      ; YES, GO SHIFT CMDS UP
309 1262 020100      CMP      R1,R0      ; IS RAR INPUT VEHD IN RBUF
310 1264 001406      BEQ      RAR1AB      ; YES, GO CLEAR AND SHIFT
311 1266 062703      ADD      #2,R3      ; INCREMENT POINTER
312 1272 020327      CMP      R3,#POLBUF      ; AT BUFR END?
313 1276 100764      BMI      RAR1AA      ; NO, TRY NEXT INPUT
314 1300 000407      BR      RAR1AD      ; YES, GET OUT
315 1302 010300 RAR1AB: MOV      R3,R0      ; GET CURRENT ADDRESS
316 1304 005023      CLR      (R3)+      ; CLEAR ENTRY AND INCREMENT POINTER
317 1306 011310 RAR1AC: MOV      (R3),(R0)      ; SHIFT DOWN
318 1310 005723      TST      (R3)+      ; INCREMENT POINTER

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319 1312 020327      CMP      R3,#POLBUF      ; AT END?
320 1316 100773      BMI      RAR1AC          ; NO, GO AGAIN
321 1320 052714 RAR1AD: BIS      #1,(R4)      ; SET NORMAL MODE
322 1324 012703      MOV      #SPVEHE,R3     ; R3 = ADR PNTR SP VEH ENTRY BUF
323 1330 105723 CKAGN: TSTB      (R3)+        ; ZERO LOC?
324 1332 001376      BNE      CKAGN          ; NO, CK AGAIN
325 1334 116463      MOVB      -2(R4),-1(R3)  ; YES, ADD VEH TO BUFR
326 1342 032714      BIT      #22,(R4)
327 1346 001444      BEQ      EVNT1
328 1350 042714      BIC      #22,(R4)
329 1354 000417      BR       BLUF           ; GO BUMP LOC. UPDATE FLG
330
331      ; NEXT SECTION IS LOGIC FOR LOCATION PROCESSING
332      ; NORMAL MODE -- NORML1
333      ; R1 -- VEHICLE ID
334      ; PROCESSING INVOLVED IS:
335      ; 1. GET LOCATION SLOW POLL BUFR ADDR
336      ; 2. DELETE VEHICLE ENTRY IN SLOW POLL BUFR
337      ; 3. BUMP LOCATION UPDATE FLAG
338      ; 4. STORE INPUT DATA INTO LOCATION UPDATE BUFR
339
340 1356 012702 NORML1: MOV      #LOCBUF,R2     ; R2 = POINTER ADDR (LOCBUF)
341 1362 016701      MOV      VEHID2,R1
342 1366 010100      MOV      R1,R0          ; R0 = VEH. ID (BITS 4-9)
343 1370 052700      BIS      #4,R0
344 1374 030022 BAK1:  BIT      R0,(R2)+      ; VEH. ID FOUND?
345 1376 001004      BNE      DLEET1         ; YES, DELETE THIS ENTRY ...
346 1400 022702      CMP      #LOCEND,R2
347 1404 100373      BPL      BAK1
348 1406 000402      BR       BLUF
349 1410 005062 DLEET1: CLR      -2(R2)       ; CLR VEH. ID --- DELETED
350 1414 005267 BLUF:  INC      LUFLAG        ; BUMP LOC. UPDATE FLAG...
351 1420 016703      MOV      LUINPP,R3       ; R3 = PNTR LOC UPDTE INPUT BUFR
352 1424 062703      ADD      #LUINPB,R3     ; ADD ADDRESS
353 1430 062767      ADD      #4,LUINPP      ; ADD OFFSET FOR THE DATA
354 1436 016723      MOV      INWD1,(R3)+    ; STORE INWD#1 (LUINPB)
355 1442 016723      MOV      INWD2,(R3)+    ; STORE INWD #2
356 1446 020327      CMP      R3,#LUIEND    ; AT LIMIT
357 1452 100402      BMI      EVNT1         ; NO, STORE VALUE
358 1454 005067      CLR      LUINPP        ; YES, RESET
359
360      ; PREPARE TO CHECK FOR EVENT STATUS ...
361
362 1460 116702 EVNT1:  MOVB      INWD1,R2     ; SAVE INPUT
363 1464 042702      BIC      #177477,R2    ; CLEAR ALL BUT ROLOVER AND REQ BITS
364 1470 022702      CMP      #300,R2       ; IS IT A ZERO AM PHASE RESPONSE?
365 1474 001415      BEQ      ACK1          ; SEND OUT ACKNOWLEDGE COMMAND
366 1476 022702      CMP      #200,R2       ; IS IT AN AM PHASE ROLLOVER EVENT?
367 1502 001007      BNE      EVNT3         ; NO, GO TO REQUEST BIT TEST
368 1504 016767      MOV      VEHID2,PHSROL ; STORE INPUT DATA WORD
369 1512 052767      BIS      #12,PHSROL    ; SET ACKNOWLEDGE BITS
370 1520 000405      BR       INCR          ; GET OUT
371 1522 032702 EVNT3:  BIT      #100,R2     ; REQ BIT SET?

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372 1526 001002      BNE      INCR                      ; YES. GO ON ...
373                  ;
374                  ; IF REQUEST BIT (#6) = 0, AN EVENT CONDITION EXISTS AND
375                  ; THE BASE STATION MUST ACKNOWLEDGE RECEIPT OF INFO
376                  ; TO THE VEHICLE FROM WHICH THE EVENT CAME.
377                  ; R1 = ADJUSTED VEH. ID IN BITS 4-9 ...
378                  ; LOAD THE ACKN CMD + VEH. ID INTO THE COMMAND OUTPUT
379                  ; BUFFER (COUTB) AT THE NEXT AVAILABLE LOCATION AS
380                  ; INDICATED BY COUTP. THE EXTERNAL PNTR TO COUTB.
381                  ; ADJUST THE POINTERS TO COUTB APPROPRIATELY ...
382                  ;
383 1530 004267 ACK1:   JSR      R2,COUT1
384                  ;
385                  ; INCREMENT THE VEHICLE COMMAND PROCESSING FLAG
386                  ; AND
387                  ; EXIT ...
388                  ;
389 1534 000167 INCR:   JMP      EXIT1                      ; PREPARE RET ...
390                  ;
391                  ; ... MODE 2 == MILEAGE REPORT STATUS LOGIC
392                  ; WITH
393                  ; R1 = VEHICLE ID
394                  ; AND R4 = POINTER TO VEHICLE STATUS WD IN VSTAT
395                  ;
396 1540 011402 MODE2:  MOV      (R4),R2                    ; R2 = VEH. STATUS
397 1542 000241          CLC                                ; (C) = 0
398 1544 006202          ASR      R2                        ; IS C=1, NORM MODE?
399 1546 103405          BCS      NORML2                    ; YES
400 1550 112767          MOVB    #9.,TEMP+3
401 1556 000167          JMP      EXIT2                      ; NO. ERR MSG #7
402                  ;
403                  ; INCREMENT THE SENSOR/MILEAGE PROCESSOR FLAG (SMFLAG)
404                  ; AND STORE THE VEH. INPUT DATA INTO THE SENSOR/
405                  ; MILEAGE INPUT BUFFER (SMINPB) ...
406                  ;
407 1562 004267 NORML2: JSR      R2,SMOUT
408                  ;
409                  ; PREPARE TO CHECK FOR EVENT STATUS ...
410                  ; IF THE REQUEST BIT (#6) OF INPUT WD #1 IS = 0,
411                  ; THEN
412                  ; AN EVENT CONDITION EXISTS
413                  ; AND THAT VEH MUST RECEIVE AN ACKNOWLEDGE
414                  ; FROM THE BASE STATION ...
415                  ;
416 1566 016701 EVNT2:  MOV      VEHID2,R1
417 1572 010100          MOV      R1,R0                      ; R0 = ADJS'TD VEH ID
418 1574 052701          BIS      #12,R1                    ; R1 = VEHID + ACK CMD
419 1600 052700          BIS      #11,R0
420 1604 032767          BIT      #100,INWD1                ; REQUEST BIT?
421 1612 001002          BNE      GSPAD2                    ; YES, GET SLOW POLL ADDR
422                  ;
423 1614 004267 ACK2:   JSR      R2,COUT
424                  ;

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425      ; NOW, GET THE ADDR OF MILEAGE SLOW POLL BUFR,
426      ; TO:
427      ;     1. DELETE THIS VEHICLE ENTRY, AND
428      ;     2. INCREMENT VEH. CMD PROC FLAG
429      ;
430 1620 012702 GSPAD2: MOV      #MILBUF,R2          ; R2 = PNTR TO MLGE BUFR
431 1624 020022 BAK2:  CMP      R0,(R2)+          ; VEH. ID FOUND ?
432 1626 001404      BEQ      DLEET2              ; YES, DELETE THIS ENTRY ...
433 1630 022702      CMP      #MILEND,R2
434 1634 100373      BPL      BAK2
435 1636 000402      BR       D2
436 1640 005062 DLEET2: CLR      -2(R2)          ; CLR VEH. ID --- DELETED
437 1644 000167 D2:    JMP      EXIT1            ; PREPARE RET ...
438      ;
439      ; ... MODE 3 --- ACKNOWLEDGE STATUS LOGIC
440      ; WITH
441      ;     R1 = VEHICLE ID
442      ; AND  R4 = POINTER TO VEHICLE STATUS WD IN VSTAT ...
443      ;
444 1650 032767 MODE3: BIT      #300,INWD1
445 1656 001154      BNE      EXIT3
446 1660 011402      MOV      (R4),R2          ; R2 = VEHICLE STATUS
447 1662 032702      BIT      #400,R2          ; ACK RQR'D THIS VEH?
448 1666 001004      BNE      ACK3              ; YES, ACKN RQR'D
449 1670 112767      MOVB     #10,,TEMP+3
450 1676 000553      BR       EXIT2            ; NO, NO ACKW RQR'D
451      ;
452      ; IF ACKN WAS REQUIRED FROM THIS VEHICLE, THEN
453      ; THE ACKN PENDING CNTR IN STATUS WORD #1 (THIS VEH)
454      ; IS DECREMENTED.
455      ; NEXT,
456      ; BUMP THE SENSOR/MILEAGE PROCESSOR (SMFLAG), AND THEN
457      ; INPUT DATA (THIS VEH) INTO THE SENSOR INPUT BUFR(SMINPB),
458      ; BUMP THE VEH CMD PROCESSOR FLAG(VCFLAG) & RETURN ...
459      ;
460 1700 004267 ACK3:  JSR      R2,SMOUT
461 1704 000167      JMP      EXIT1
462      ;
463      ;
464      ; ... MODE 4 -- REMOTE ALARM ARM REQUEST STATUS ...
465      ; WITH
466      ;     R1 = VEHICLE ID
467      ; AND  R4 = POINTER TO VEHICLE STATUS WD IN VSTAT
468      ;
469 1710 032767 MODE4: BIT      #300,INWD1          ; IS ROLLOVER OR REQ. BIT SET(NOT BOTH)?
470 1716 001132      BNE      EXIT4              ; YES, ERROR
471 1720 011402      MOV      (R4),R2          ; R2 = VEH. STATUS
472 1722 042702      BIC      #177756,R2        ; CLEAR ALL BUT REMOTE ALM PENDING & NORMAL MODE
473 1726 022702      CMP      #21,R2            ; RMT ALRM PNDNG MODE (ENTRY INTO YARD) ?
474 1732 001025      BNE      AKPND              ; NO, GO CK FOR ACK PNDNG ...
475      ;
476      ; BUMP THE REMOTE ALARM PROC. FLAG (RAFLAG) AND
477      ; STORE THE VEHICLE INPUT DATA INTO THE

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478      ; REMOTE ALARM INPUT BUFR (RAINPB) ...
479      ;
480 1734 032764      BIT      #100000,10(R4)
481 1742 001007      BNE      MODE4B
482 1744 032764      BIT      #40000,10(R4)
483 1752 001432      BEQ      MODE4X
484 1754 042764      BIC      #40000,10(R4)
485 1762 016701 MODE4B: MOV      VEHIID2,R1
486 1766 052701      BIS      #11,R1
487 1772 004267      JSR      R2,COUT
488 1776 052764      BIS      #100000,10(R4)
489 2004 000536      BR       EXIT
490 2006 011402 AKPND: MOV      (R4),R2
491 2010 032702      BIT      #400,R2      ; ACK PND'NG THIS VEH?
492 2014 001403      BEQ      VENABL      ; NO, GO CK VEH. ENABLED ...
493      ;
494      ; IF ACKNOWLEDGE IS PND'NG FOR THIS VEHICLE, INDICATING A SCRAMBLED RAM LOAD THEN:
495      ; 1. BUMP THE SENSOR PROC. FLAG (SMFLAG)
496      ; 2. STORE VEH. INPUT DATA INTO SENSOR INPUT BUFR (SMINPB)
497      ; 3. BUMP VEH. CMD PROC. FLAG (VCFLAG)
498      ; AND 4. PREPARE FOR RETURN ...
499      ;
500 2016 004267      JSR      R2,SMOUT
501 2022 000525      BR       EXIT1      ; PREPARE RET ...
502      ;
503      ; FROM ABOVE, IF NO ACKN PENDING THIS VEHICLE, THEN:
504      ; 1. CHECK FOR VEHICLE ENABLED:
505      ; A. IF ENABL'D, PRINT MSG -- VEH. ENABL'D & RETURN
506      ; B. IF NOT ENABL'D, ENABLE THIS VEH. & RETURN
507      ;
508 2024 112767 VENABL: MOVB     #12.,TEMP+3
509 2032 032702      BIT      #4,R2      ; VEH. ENABLED?
510 2036 001473      BEQ      EXIT2      ; NO, PRINT MSG ...
511 2040 004267 MODE4X: JSR      R2,ROUT
512 2044 000514      BR       EXIT1      ; PREPARE RET.
513      ;
514      ; ... MODE5 -- ARMED REMOTE ALARM STATUS ...
515      ; WITH
516      ; R1 = VEHICLE ID
517      ; R4 = POINTER TO VEHICLE STATUS WD IN VSTAT
518      ;
519 2046 042764 MODE5: BIC      #100000,10(R4)
520 2054 032767      BIT      #300,INWD1
521 2062 001046      BNE      EXIT5
522 2064 011402      MOV      (R4),R2      ; R2 = VEH. STATUS
523 2066 032702      BIT      #2,R2      ; VEH. MODE REMOTE ALARM?
524 2072 001023      BNE      ENABLR      ; YES, GO SET RMT ALM RESPONSE FLG
525 2074 026767      CMP      VEHIID1,RAVCOM
526 2102 001417      BEQ      ENABLR
527 2104 016701      MOV      VEHIID2,R1
528 2110 052701      BIS      #4,R1
529 2114 012700      MOV      #RBUF,R0
530 2120 022001 MODE5X: CMP      (R0)+,R1

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531 2122 001407      BEQ      ENABLR
532 2124 022700      CMP      #POLBUF,R0
533 2130 100373      BPL      MODE5X
534 2132 112767      MOVB     #11.,TEMP+3
535 2140 000432      BR       EXIT2          ; YES, PRINT MSG
536                ;
537                ;      SET THE FLAG THAT CALLS THE PROCESS TO ENABLE
538                ;      REMOTE ALARM UNIT AND PREPARE RETURN
539                ;
540 2142 032764 ENABLR: BIT      #4000,10(R4)
541 2150 001403      BEQ      EN1
542 2152 116767      MOVB     VEHID1,RAVCOM
543 2160 105267 EN1:   INCB     ERAFGP          ; RAISE RMT ALM FLG & PTR
544 2164 116767      MOVB     VEHID1,ERAFGP+1
545 2172 000443      BR       EXIT          ; GO TO EXIT
546                ;
547                ;      EXIT LOGIC FOLLOWS AND CONSISTS OF
548                ;      1. RESTORING THE REGISTERS
549                ;      2. AND SETTING RETURN INTERRUPT ...
550                ;
551 2174 105267 EXIT6:  INCB     TEMP1
552 2200 105267 EXIT5:  INCB     TEMP1
553 2204 105267 EXIT4:  INCB     TEMP1
554 2210 105267 EXIT3:  INCB     TEMP1
555 2214 004267      JSR      R2,COUT1
556 2220 116767      MOVB     TEMP1,TEMP+3
557 2226 116767 EXIT2:  MOVB     INWD1,TEMP
558 2234 042767      BIC      #177700,TEMP
559 2242 062767      ADD      #3400,TEMP+2
560 2250 112767      MOVB     #24.,TEMP+2
561 2256 004267      JSR      R2,BASECI
562 2262 000000 TEMP:  .WORD    0,0
563 2266 012767      MOV      #55.,TEMP1
564 2274 000402      BR       EXIT
565 2276 005267 EXIT1:  INC      VCFLAG
566 2302 004567 EXIT:  JSR      R5,RSTREG          ; RESTORE REG'S
567 2306 105067      CLRB     TEMP+3
568 2312 000002      RTI          ; RET INTR ...
569                ;
570                ;      COMMAND OUT BUFFER LOAD PROCESSOR
571                ;
572 2314 016701 COUT1:  MOV      VEHID2,R1
573 2320 052701      BIS      #12,R1
574 2324 012703 COUT:  MOV      #COUTB,R3          ; R3 = POINTER TO COUTB
575 2330 066703      ADD      COUTP,R3          ; ADD OFFSET
576 2334 010123      MOV      R1,(R3)+          ; PUT CMD INTO OUTPUT BUFR
577 2336 062767      ADD      #2,COUTP          ; ADVANCE POINTER
578 2344 020327      CMP      R3,#COUNEND        ; AT LIMIT?
579 2350 100402      BMI      A1          ; NO, STORE VALUE
580 2352 005067      CLR      COUTP          ; YES, RESET COUTP
581 2356 000202 A1:   RTS      R2
582                ;
583                ;      SENSOR MILEAGE OUT BUFFER LOAD PROCESSOR

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584      ;
585 2360 005267 SMDUT: INC      SMFLAG      ; BUMP SENSOR PROC FLAG
586 2364 012703      MOV      #SMINPB,R3    ; GET ADDRESS OF BUFFER
587 2370 066703      ADD      SMINPP,R3     ; R3 = POINTER TO BUFR
588 2374 016723      MOV      INWD1,(R3)+   ; STORE INWD #1 (SMINPB)
589 2400 016723      MOV      INWD2,(R3)+   ; STORE INWD #2
590 2404 062767      ADD      #4,SMINPP     ; ADVANCE POINTER
591 2412 020327      CMP      R3,#SMIEND    ; AT LIMIT?
592 2416 100402      BMI      N1            ; NO, STORE VALUE
593 2420 005067      CLR      SMINPP       ; YES, RESET SMINPP
594 2424 000202 N1:   RTS      R2
595      ;
596      ;      REMOTE ALARM OUT BUFFER LOAD PROCESSOR
597      ;
598 2426 005267 ROUT:  INC      RAFLAG      ; NO, RAFLAG = RAFLAG + 1
599 2432 012703      MOV      #RAINPB,R3    ; GET ADDRESS OF BUFFER
600 2436 066703      ADD      RAINPP,R3     ; R3 = POINTER TO BUFR
601 2442 016723      MOV      INWD1,(R3)+   ; STORE INWD #1 (RAINPB)
602 2446 016723      MOV      INWD2,(R3)+   ; STORE INWD #2
603 2452 062767      ADD      #4,RAINPP     ; ADVANCE POINTER
604 2460 020327      CMP      R3,#RAIEND    ; AT LIMIT ?
605 2464 100402      BMI      RA1          ; NO, STORE VALUE
606 2466 005067      CLR      RAINPP       ; YES, RESET RAINPP
607 2472 000202 RA1:  RTS      R2
608      ;
609      ;      STORE ALLOCATION ...
610      ;
611 2474 000000 INWD1: .WORD    0           ; VEH. INPUT WD #1
612 2476 000000 INWD2: .WORD    0           ; VEH. INPUT WD #2
613 2500 000000 VEHID1: .WORD    0          ; VEHICLE ID(BINARY)
614 2502 000000 VEHID2: .WORD    0          ; VEHICLE ID FOR CMD FMT
615      ;
616 2504 000000 VEHID:  .WORD    0           ; VEHICLE ID(ASCII)
617 2506 000000 PNTR1:  .WORD    0           ;
618 2510 000000 TSTWD:  .WORD    0           ; TEST WORD FOR ACKNOWLEDGE RESPONSES
619 2512 000000 TEMP1:  .WORD    0           ; TEMPORARY STORAGE FO ERROR
620      ;
621      000000      .END      VEHXPT

```

ACK0	000540R	ACK1	001530R	ACK2	001614R
ACK3	001700R	AKPND	002006R	A1	002356R
BAK0	000556R	BAK1	001374R	BAK2	001624R
BASECI=	***** G	BLUF	001414R	BNDEC =	***** G
CERR	001176R	CKAGN	001330R	COUEND=	***** G
COUT	002324R	COUTB =	***** G	COU" P =	***** G
COUT1	002314R	CTIME =	***** G	CVEHS	001202R
CVEHS1	001240R	DLEET0	000572R	DLEET1	001410R
DLEET2	001640R	DRINPB=	167774	DYDGI =	***** G
DYDTC =	***** G	D1	000576R	D2	001644R
ENABLR	002142R	EN1	002160R	ERAFGP=	***** G
EVNT0	000516R	EVNT1	001460R	EVN"2	001566R
EVNT3	001522R	EXIT	002302R	EXI"1	002276R
EXIT2	002226R	EXIT3	002210R	EXI"4	002204R
EXIT5	002200R	EXIT6	002174R	GILRCD=	***** G
GO	000052R	GOAA	000134R	GOAB	000142R
GOAC	000176R	G00	000274R	G01	000300R
G02	000322R	G03	000412R	GSPAD0	000544R
GSPAD2	001620R	INCR	001534R	INWD1	002474R
INWD2	002476R	JMP1	000040R	JMP2	000034R
LOCBUF=	***** G	LOCEND=	***** G	LOGDAT	000170R
LOGGER=	***** G	LOOP	000256R	LUFLAG=	***** G
LUIEND=	***** G	LUINPB=	***** G	LUINPP=	***** G
MILBUF=	***** G	MILEND=	***** G	MODE0	000470R
MODE1	000622R	MODE1A	000762R	MODE1B	000702R
MODE1C	001050R	MODE1D	000754R	MODE1E	000746R
MODE1F	001034R	MODE2	001540R	MODE2A	000616R
MODE3	001650R	MODE3A	000606R	MODE4	001710R
MODE4A	000612R	MODE4B	001762R	MODE4X	002040R
MODE5	002046R	MODE5A	000602R	MODE5X	002120R
NOLOG =	***** G	NORML0	000512R	NORML1	001356R
NORML2	001562R	N1	002424R	PC	=%000007
PHSR0L=	***** G	PNTR1	002506R	POLBUF=	***** G
RAFLAG=	***** G	RAIEND=	***** G	RAINPB=	***** G
RAINPP=	***** G	RAMOD0	000504R	RAMOD1	001060R
RAMOD2	001106R	RAMOD3	001144R	RAMOD4	001132R
RAR1AA	001250R	RAR1AB	001302R	RAR.AC	001306R
RAR1AD	001320R	RAYCOM=	***** G	RA1	002472R
RBUFF =	***** G	ROUT	002426R	RSTREG=	***** G
R0	=%000000	R1	=%000001	R2	=%000002
R3	=%000003	R4	=%000004	R5	=%000005
SAYREG=	***** G	SMFLAG=	***** G	SMIEND=	***** G
SMINPB=	***** G	SMINPP=	***** G	SMOUT	002360R
SP	=%000006	SPVEHE=	***** G	SSPBUF=	***** G
SSPEND=	***** G	TCLRCD=	***** G	TEMP	002262R
TEMP1	002512R	TSTWD	002510R	VALVID=	***** G
VCFLAG=	***** G	VEHID	002504R	VEHID1	002500R
VEHID2	002502R	VEHQUE=	***** G	VEHXPT	000000RG
VENABL	002024R	VSTAT =	***** G	...V2 =	000001

. ABS. 000000 000
002514 001
ERRORS DETECTED: 0
FREE CORE: 17344. WORDS

VEHXPT RT-11 CRO VM02-10 00:20:33 PAGE 1+
SYMBOL TABLE

.LP:/C:=VEHXPT.MAC

...V2	1-25#						
A1	1-579	1-581#					
ACK0	1-200#						
ACK1	1-365	1-383#					
ACK2	1-423#						
ACK3	1-448	1-460#					
AKPND	1-474	1-490#					
BAK0	1-209#	1-212					
BAK1	1-344#	1-347					
BAK2	1-431#	1-434					
BASEC1	1-29#	1-285	1-561				
BLUF	1-329	1-348	1-350#				
BNDEC	1-33#	1-91					
CERR	1-295#						
CKAGN	1-323#	1-324					
COUEND	1-35#	1-578					
COUT	1-127	1-242	1-243	1-293	1-301	1-423	1-487
	1-574#						
COUT1	1-99	1-124	1-200	1-383	1-555	1-572#	
COU7B	1-31#	1-574					
COU7P	1-31#	1-575	1-577*	1-580*			
CTIME	1-32#	1-71					
CVEHS	1-290	1-296#					
CVEHS1	1-297	1-303#					
D1	1-207	1-213	1-215#				
D2	1-435	1-437#					
DLEET0	1-210	1-214#					
DLEET1	1-345	1-349#					
DLEET2	1-432	1-436#					
DRINPB	1-37#	1-43	1-47				
DYDG1	1-31#	1-249*	1-260				
DYDTC	1-31#	1-247*	1-257				
EN1	1-541	1-543#					
ENABLR	1-524	1-526	1-531	1-540#			
ERAFGP	1-33#	1-543*	1-544*				
EVNT0	1-174	1-185#					
EVNT1	1-327	1-357	1-362#				
EVNT2	1-416#						
EVNT3	1-367	1-371#					
EXIT	1-50	1-100	1-302	1-489	1-545	1-564	1-566#
EXIT1	1-215	1-389	1-437	1-461	1-501	1-512	1-565#
EXIT2	1-295	1-401	1-450	1-510	1-535	1-557#	
EXIT3	1-445	1-554#					
EXIT4	1-470	1-553#					
EXIT5	1-521	1-552#					
EXIT6	1-128	1-551#					
GILRCD	1-35#	1-281					
GO	1-52	1-57#					
G01	1-97	1-108#					
G02	1-111	1-114#					
G03	1-119	1-121	1-129#				
G0AA	1-66	1-69#					
G0AB	1-68	1-70#					
G0AC	1-58	1-74	1-81#				
G00	1-100#	1-113					
GSPAD0	1-189	1-206#					

GSPAD2	1-421	1-430#					
INCR	1-370	1-372	1-389#				
INWD1	1-43*	1-48	1-51	1-59	1-65	1-81	1-120
	1-129	1-185	1-227	1-245	1-255*	1-256*	1-289
	1-354	1-362	1-420	1-444	1-469	1-520	1-557
	1-588	1-601	1-611#				
INWD2	1-47*	1-70	1-232	1-355	1-589	1-602	1-612#
JMP1	1-49	1-51#					
JMP2	1-50#	1-53					
LOCBUF	1-33#	1-340					
LOCEND	1-34#	1-346					
LOGDAT	1-59*	1-60*	1-61*	1-62*	1-63*	1-64*	1-67*
	1-69*	1-70*	1-71*	1-73	1-75#		
LOGGER	1-32#	1-72					
LOOP	1-96#						
LUFLAG	1-32#	1-350*					
LUIEND	1-35#	1-356					
LUINPB	1-32#	1-352					
LUINPP	1-32#	1-351	1-353*	1-358*			
MILBUF	1-33#	1-430					
MILEND	1-34#	1-433					
MODE0	1-163#						
MODE1	1-146	1-227#					
MODE1A	1-231	1-235	1-252#				
MODE1B	1-237	1-240#					
MODE1C	1-248	1-250	1-253	1-264#			
MODE1D	1-233	1-239	1-251#				
MODE1E	1-246	1-249#					
MODE1F	1-259	1-261#					
MODE2	1-220	1-396#					
MODE2A	1-144	1-220#					
MODE3	1-218	1-444#					
MODE3A	1-142	1-218#					
MODE4	1-219	1-263	1-469#				
MODE4A	1-139	1-219#					
MODE4B	1-481	1-485#					
MODE4X	1-483	1-511#					
MODE5	1-217	1-519#					
MODE5A	1-137	1-217#					
MODE5X	1-530#	1-533					
N1	1-592	1-594#					
NOLOG	1-32#	1-57					
NORML0	1-167	1-180#					
NORML1	1-267	1-340#					
NORML2	1-399	1-407#					
PHSROL	1-35#	1-368*	1-369*				
PNTR1	1-114#	1-617#					
POLBUF	1-30#	1-312	1-319	1-532			
RA1	1-605	1-607#					
RAFLAG	1-30#	1-598*					
RAIEND	1-34#	1-604					
RAINPB	1-31#	1-599					
RAINPP	1-31#	1-600	1-603*	1-606*			
RAMOD0	1-173#						
RAMOD1	1-276#						
RAMOD2	1-280	1-282#					
RAMOD3	1-277	1-289#					

RAMDD4	1-283	1-284*	1-287#				
RAR1AA	1-305#	1-313					
RAR1AB	1-308	1-310	1-315#				
RAR1AC	1-317#	1-320					
RAR1AD	1-314	1-321#					
RAVCOM	1-35#	1-525	1-542*				
RBUFF	1-30#	1-304	1-529				
ROUT	1-173	1-511	1-598#				
RSTREG	1-29#	1-566					
SAVREG	1-29#	1-39					
SMFLAG	1-30#	1-585*					
SMIEND	1-34#	1-591					
SMINPB	1-30#	1-586					
SMINPP	1-30#	1-587	1-590*	1-593*			
SMOUT	1-180	1-407	1-460	1-500	1-585#		
SPVEHE	1-32#	1-322					
SSPBUF	1-31#	1-208					
SSPEND	1-34#	1-211					
TCLRCD	1-35#	1-278					
TEMP	1-98*	1-112*	1-294*	1-400*	1-449*	1-508*	1-534*
	1-556*	1-557*	1-558*	1-559*	1-560*	1-562*	1-567*
TEMP1	1-551*	1-552*	1-553*	1-554*	1-556	1-563*	1-619#
TSTWD	1-618#						
VALVID	1-29#	1-109					
VCFLAG	1-33#	1-565*					
VEHID	1-92*	1-616#					
VEHID1	1-83*	1-84	1-90	1-117	1-525	1-542	1-544
	1-613#						
VEHID2	1-89*	1-122	1-186	1-240	1-291	1-299	1-303
	1-341	1-368	1-416	1-485	1-527	1-572	1-614#
VEHQUE	1-29#	1-93					
VEHXPT	1-29#	1-39#	1-621				
VENABL	1-492	1-508#					
VSTAT	1-30#						

...CM1	1-25#	
...CM2	1-25#	
...CM3	1-25#	
...CM4	1-25#	
..V2..	1-24#	1-25
.REGDE	1-24#	1-26

1- 2 DSPCH1
1-110 VCMPRC
1-208 VEHCMO
1-366 CMDO
1-389 DSCTRL
1-953 ALCPRC
1-072 D'ALOG

```

1      .TITLE  DSPCHR
2      .SBTTL  DSPCH1
3      ;
4      ;          SYSTEM DISPATCHER AND SUPERVISOR
5      ;
6      ;          OBJECT: TO DETERMINE WHICH OF THE FOLLOWING PROCESSES ARE TO BE
7      ;                   CALLED AND PROCESSED
8      ;
9      ;          1. VEHICLE COMMUNICATIONS PROCESSOR -- CHECK VCFLAG
10     ;          2. ALERT CONTROL PROCESSOR -- CHECK ALFLAG
11     ;          3. BASE STATION CONTROL PROCESSOR -- CHECK BSFLAG
12     ;          4. DISPATCH STATION CONTROL PROCESSOR -- CHECK DSFLAG
13     ;          5. DATA LOGGING PROCESSOR -- CHECK DLFLAG
14     ;
15     ;          COMMENT: EACH ROUTINE RETURNS TO THE START OF THE DISPATCHER
16     ;                   LOOP FOLLOWING A DECREMENT OF THE CALLING FLAG. AN
17     ;                   EXCEPTION IS THE VEHICLE COMMUNICATIONS PROCESSOR WHICH
18     ;                   HANDLES THE DECREMENT INTERNALLY BECAUSE OF THE DISK
19     ;                   ACCESSES FOR LOCATION DATA PROCESSING. ALL OTHER
20     ;                   PROCESSOR FLAGS ARE TESTED TO ENSURE THAT COMMANDS ARE
21     ;                   PROCESSED AND DATA NOT LOST DUE TO AN OVERWRITE OF THE
22     ;                   COMMAND BUFFER AREA.
23     ;
24     ;          .MCALL  ..V2....REGDEF
25     00000      ..V2..
26     00000      .REGDEF
27     ;          .NLIST  BEX
28     ;
29     ;          EXTERNAL VARIABLES ... DEFINED BY OTHER ROUTINES
30     ;
31     ;          .GLOBL  DSPCH1,VCMPRC,ALCPRC,BSCTRL,DSCTRL,DTALOG
32     ;          .GLOBL  VCFLAG,ALFLAG,BSFLAG,DSFLAG,DLFLAG
33     ;          .GLOBL  DSCOMP,SYSTOP,MTOUTP
34     ;
35     00000 000240 DSPCH1: NOP          ; RESERVED FOR CHECKOUT
36     ;
37     ;          EXAMINE THE FLAG COUNTERS TO AVOID OVERWRITING COMMAND DATA. THE
38     ;          BUFFERS ARE LIMITED TO 12 ENTRIES IN EACH.
39     ;
40     00002 105767      TSTB   DSFLAG+1
41     00006 00:072      BNE    D3F
42     00010 005767      TST    VCFLAG
43     00014 00:023      BNE    D0
44     00016 005767      TST    DLFLAG
45     00022 00:402      BEQ    TA
46     00024 000167      JMP    D4A
47     00030 122767 TA:   CMPB   #10,ALFLAG          ; IS ACINPB ALMOST FULL?
48     00036 100001      BPL    T1                   ; NO, TEST BSINPB FLAG COUNTER
49     00040 000417      BR     D1                   ; YES, GO PROCESS ALARM DATA
50     00042 005767 T1:   TST    BSFLAG              ; IS BSINPB ALMOST FULL?
51     00046 00:401      BEQ    T2                   ; NO, TEST DSINPB FLAG COUNTER
52     00050 000423      BR     D2                   ; YES, GO PROCESS BASE STATION
53     00052 122767 T2:   CMPB   #24,DSFLAG          ; IS DSINPB ALMOST FULL?

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54 00060 100001      BPL      D0      ; NO. TEST DLINPB FLAG COUNTER
55 00062 000424      BR       D3B     ; YES. GO PROCESS DISPATCH STA.
56                      ;
57                      ; EXAMINE FLAGS TO DETERMINE WHICH PROCESSOR TO CALL
58                      ;
59 00064 005767 D0:   TST      VCFLAG   ; VEH. PROCESSING REQ'D (.LT. 1)?
60 00070 001403      BEQ      D1        ; NO. TEST ALERT PROCESS FLAG
61 00072 004567      JSR      R5,VCMPRC ; YES. PROCESS VEHICLE DATA
62 00076 000740      BR       DSPCH1    ; RETURN TO START
63 00100 005767 D1:   TST      ALFLAG   ; ALERT PROC. REQD (.LT. 1)?
64 00104 001405      BEQ      D2        ; NO. TEST BASE STATION FLAG
65 00106 004567      JSR      R5,ALCPRC  ; YES. PROCESS ALERT DATA
66 00112 005367      DEC      ALFLAG   ; PROCESS COMPLETE FLAG RESET
67 00116 000730      BR       DSPCH1    ; RETURN TO START
68 00120 005767 D2:   TST      BSFLAG   ; BASE STA. PROC. REQD (.LT. 1)?
69 00124 001403      BEQ      D3B     ; NO. TEST DISPATCH STATION FLAG
70 00126 004567      JSR      R5,BSCTRL  ; YES. PROCESS BASE STA. COMMAND
71 00132 000722      BR       DSPCH1    ; RETURN TO START
72 00134 005767 D3B:  TST      DFLAGG   ;
73 00140 001004      BNE      D3C     ;
74 00142 005767 D3D:  TST      DFLAGT   ;
75 00146 001006      BNE      D3E     ;
76 00150 000411      BR       D3F     ;
77 00152 004567 D3C:  JSR      R5,DSCTRG ;
78 00156 005367      DEC      DFLAGG   ;
79 00162 000767      BR       D3D     ;
80 00164 004567 D3E:  JSR      R5,DSCTRT ;
81 00170 005367      DEC      DFLAGT   ;
82 00174 005767 D3F:  TST      DSFLAG   ; DISP. STA. PROC. REQD (.LT. 1)?
83 00200 001404      BEQ      D4A     ; NO. TEST DATA LOGGING FLAG
84 00202 004567      JSR      R5,DSCTRL  ; YES. PROCESS DISPATCH STA. CMD
85 00206 005367      DEC      DSFLAG   ; PROC. COMPL. FLAG RESET
86 00212 005767 D4A:  TST      DLFLAG   ; DATA LOGGING REQD (.LT. 1)?
87 00216 001405      BEQ      DSPCH2    ; NO. GO TEST FOR MAG TAPE LOG
88 00220 004567      JSR      R5,DTALOG  ; YES. LOG DATA
89 00224 005367      DEC      DLFLAG   ; PROC. COMPL. FLAG RESET
90 00230 000663      BR       DSPCH1    ; RETURN TO START
91 00232 005767 DSPCH2: TST      DSCOMP  ; IS LOG OUT CMPD IN PROCESS
92 00236 001660      BEQ      DSPCH1    ;
93 00240 005767      TST      LUFLAG   ; IS LOCATION PROCESS SET?
94 00244 001014      BNE      DSTOP     ; YES. SET TERMINATE FLAG
95 00246 005767      TST      SMFLAG   ; IS SENSOR/MILEAGE PROCESS SET?
96 00252 001011      BNE      DSTOP     ; YES. SET TERMINATE FLAG
97 00254 005767      TST      RAFLAG   ; IS REMOTE ALARM PROCESS SET?
98 00260 001006      BNE      DSTOP     ; YES. SET TERMINATE FLAG
99 00262 005767      TST      DSFLAG   ; IS DISPATCH STATION PROCESS SET?
100 00266 001003      BNE      DSTOP     ; YES. SET TERMINATE FLAG
101 00270 005767      TST      SYSTOP   ; IS STOP COMPLETE PROCESS SET?
102 00274 001005      BNE      SYSCMP   ; YES. GO OUTPUT DATA
103 00276 012767 DSTOP: MOV      #1,SYSTOP ; SET STOP FLAG
104 00304 000167      JMP      DSPCH1  ; GO BACK TO BEGINING
105 00310 004567 SYSCMP: JSR      R5,MTOUTP ; GO OUTPUT TO MAG TAPE
106 00314 005067      CLR      DSCOMP  ; CLEAR LOGOUT CMD PROCESS FLAG

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107 0320 005067 CLR SYSTOP ; CLEAR STOP FLAG
108 0324 000167 JMP DSPCH1 ; GO BACK TO START
109
110 ; SBTTL VCMPCRC
111 ;
112 ; VCMPCRC = VEHICLE COMMAND PROCESSOR -- CARGO SECURITY
113 ;
114 ; OBJECT: TO DETERMINE WHICH OF THE FOLLOWING
115 ; PROCESSES ARE TO BE CALLED AND PROCESSED:
116 ;
117 ; 1. LOCATION UPDATE PROCESSOR -- CHECK LOCBSY,
118 ; LOCATION UPDATE BUSY FLAG
119 ;
120 ; 2. SENSOR/MILEAGE UPDATE PROCESSOR -- CHECK SMFLAG,
121 ; SNESOR/MILEAGE UPDATE FLAG
122 ;
123 ; 3. REMOTE ALARM UPDATE PROCESSOR -- CHECK RAFLAG,
124 ; REMOTE ALARM UPDATE FLAG
125 ;
126 ; *****
127 ;
128 ; .GLOBL VCMPCRC, SAVREG, RSTREG, VCFLAG
129 ; .GLOBL SMINPP, SMINPI, SMFLAG, RAFLAG, RAINPP, RAINPI, LUFLAG
130 ; .GLOBL LUINPP, SMINPB, RAINPB, LUINPB, LUIEND
131 ; .GLOBL LOCUPD, SMUPD, RAMPCRC, SMIEND, RAIEND
132 ; .GLOBL BASECD, RTEST, RAMLOD, INBUF
133 ; .GLOBL TCSECD, GISECD, CMDSU
134 ;
135 0330 004567 VCMPCRC: JSR R5, SAVREG ; SAVE REGISTERS
136 ;
137 ; CHECK THE VEHICLE COMM. PCR FLAG .....
138 ; IF
139 ; VCFLAG = 0, ERROR COND. EXISTS AND EXIT
140 ; OR
141 ; VCFLAG = 1 OR MORE, THEN
142 ; CHECK FOLLOWING FLAGS
143 ; LUFLAG, SMFLAG, AND RAFLAG
144 ; TO DETERMINE WHICH OF THE FOLLOWING ROUTINES TO CALL
145 ; AND PROCESS, RESPECTIVELY.
146 ;
147 ; 1. LOCN UPDATE PROC.
148 ; 2. SENSOR/MILEAGE UPDATE PROC.
149 ; AND 3. REMOTE ALARM UPDATE PROC.
150 ;
151 0334 005767 CKSTRT: TST VCFLAG ; VCFLAG SET (NOT 0/-)
152 0340 100432 BMI ERR1 ; CK OTHER FLAGS
153 0342 001431 BEQ ERR1 ; NO, ERROR COND. . . . .
154 ;
155 0344 005767 FLGCK: TST LUFLAG
156 0350 001007 BNE CALL1
157 0352 005767 TST SMFLAG ; YES, SENSR/MLG DATA?
158 0356 001011 BNE CALL2 ; YES, CALL SMUPD .....
159 0360 005767 TST RAFLAG ; NO, RMT ALM DATA?

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160 0364 00:013      BNE      CALL3      ; YES, CALL RAMPRC
161 0366 000424      BR       ERR2       ; NO, ERROR - NO FLGS SET + .....
162 ;
163 ;
164 0370 004567 CALL1: JSR       R5,LOCUPD ; LOCATION UPDATE PROC.
165 0374 005367      DEC      LUFLAG     ; LUFLAG = LUFLAG - 1
166 0400 000423      BR       EXIT1
167 ;
168 0402 004567 CALL2: JSR       R5,SMUPD  ; SENSOR/MILEAGE UPDATE PROC
169 0406 005367      DEC      SMFLAG     ; SMFLAG = SMFLAG - 1
170 0412 000416      BR       EXIT1
171 ;
172 0414 004567 CALL3: JSR       R5,RAMPRC ; REMOTE ALRM PROC.
173 0420 005367      DEC      RAFLAG     ; RAFLAG = RAFLAG - 1
174 0424 000411      BR       EXIT1
175 ;
176 ;      PROCESS ERROR MESSAGES ...
177 ;
178 0426 004567 ERR1: JSR       R5,BASECD
179 0432 000      .BYTE 0,0,24,,1
180 0436 000404      BR       EXIT1
181 0440 004567 ERR2: JSR       R5,BASECD
182 0444 000      .BYTE 0,0,24,,2
183 ;
184 ;      ALL DONE, CLEAN-UP AND GET OUT
185 ;
186 0450 005367 EXIT1: DEC      VCFLAG     ; VCFLAG = VCFLAG - 1
187 0454 004567 EXIT: JSR       R5,RSTREG ; RESTORE REGISTERS
188 0460 000205      RTS        R5        ; RETURN .....
189 ;
190 ;      STORAGE ALLOCATION .....
191 ;
192 0462 000000 VCFLAG: .WORD 0 ; VEH. COMMUNICATION FLAG
193 0464      SMINPB: .BLKW 72. ; SNSR/MLG INPUT BUFR
194 0704 000704 SMIEND: .=.
195 0704 000000 SMINPP: .WORD 0 ; EXT PRNT - NX 2 WDS IN
196 0706 000000 SMINPI: .WORD 0
197 0710      RAINPB: .BLKW 24. ; REMOTE ALARM INPUT BUFR
198 0770 000770 RAIEND: .=.
199 0770 000000 RAINPP: .WORD 0 ; EXT PNTR - NX 2 WDS IN
200 0772 000000 RAINPI: .WORD 0
201 0774      LUINPB: .BLKW 74. ; LOCN UPDATE INPUT BUFR
202 1220 00:220 LUIEND: .=.
203 1220 000000 LUINPP: .WORD 0 ; EXT PNTR - NX 2 WDS IN
204 1222 000000 SMFLAG: .WORD 0 ; SNSR/MLG PROC. FLAG
205 1224 000000 RAFLAG: .WORD 0 ; RMT ALM PROC FLAG
206 1226 000000 LUFLAG: .WORD 0 ; LOCN UPDATE FLAG
207 ;
208 .SBTTL VEHCMO
209 ;
210 ;      VEHCMO = VEHICLE OUTPUT COMMAND PROCESSOR -- CARGO SECURITY
211 ;
212 ;      OBJECT: TO OUTPUT COMMAND, OVER DR11-C, TO A

```



```

213      ;           VEHICLE AS REQUIRED.
214      ;
215      ;           OUTPUT COMMANDS ARE AS FOLLOWS:
216      ;
217      ;           MODE COMMAND                SOURCE
218      ;           0 LOAD RAM                  KBD - SENSR/MLGE UPDAT
219      ;           1 ZERO AM-PHASE             KBD - LOCN UPDAT
220      ;           2 ZERO ODOMETER             KBD ENTRY
221      ;           3 REQUEST SENSOR STATUS      KBD/SLO POL/SENSR-MLGE UPDAT
222      ;           4 REQUEST LOCATION STATUS    KBD/SLO POL/LOCN UPDAT
223      ;           5 SENSOR DISABLE            KBD
224      ;           6 SENSOR ACTIVATE           KBD
225      ;           7 DISABLE ALL SENSORS       KBD
226      ;           8 ARM REMOTE ALARM          KBD
227      ;           9 REQUEST MILEAGE           KBD/SLOW POLL
228      ;           10 ACKNOWLEDGE              VEHXPT/VEHCMD
229      ;
230      ; *****
231      ;
232      ;
233      ;           .GLOBL  VEHCMD, SAVREG, RSTREG, COUTB, COUTP, COUEND, RLCTR2
234      ;           .GLOBL  INPUTA, LOGOV, LOCBUF, LOCEND, SSPBUF, SSPEND
235      ;
236      167770 DRCS      =      167770
237      167772 DROUT     =      167772
238      ;
239 1230 004567 VEHCMD: JSR      R5, SAVREG          ; SAVE REGISTERS
240 1234 032767          BIT      #100000, DRCS      ; BIT 15(DR11-C): SET?
241 1242 001125          BNE      RETN              ; NO, RETURN
242      ;
243 1244 026767          CMP      COUTP1, COUTP      ; TEST FOR DATA ENTRY
244 1252 001521          BEQ      RETN              ; IF NONE, GET OUT
245 1254 012701          MOV      #COUTB, R1         ; GET BUFR ADDR
246 1260 066701          ADD      COUTP1, R1         ; ADD CMD OFFSE
247 1264 011102          MOV      (R1), R2          ; GET COMMAND
248 1266 042702          BIC      #176014, R2       ; CLEAR ALL BUT VEHICLE ID
249 1272 020267          CMP      R2, RLCTR2         ; IS VEH ID SAME AS CURRENT RAM LOAD
250 1276 001012          BNE      VEH1              ; NO, GO TO NEXT TEST
251 1300 011102          MOV      (R1), R2          ; GET COMMAND AGAIN
252 1302 042702          BIC      #177760, R2       ; CLEAR ALL BUT COMMAND BITS
253 1306 022702          CMP      #12, R2           ; IS COMMAND ACKNOWLEDGE?
254 1312 001404          BEQ      VEH1              ; YES, GO TO NEXT TEST
255 1314 005702          TST      R2                ; IS COMMAND RAM LOAD?
256 1316 001066          BNE      RETNA            ; NO, GO UPDATE POINTER
257 1320 004567          JSR      R5, CBUF          ; YES, DISABLE POLLING
258 1324 010146 VEH1:  MOV      R1, -(SP)          ; SAVE DATA POINTER
259 1326 011103          MOV      (R1), R3          ; GET COMMAND
260 1330 042703          BIC      #177760, R3       ; CLEAR ALL BUT CMD BITS
261 1334 022703          CMP      #6, R3            ; IS COMMAND ENABLE SENSORS
262 1340 001044          BNE      VEH6              ; NO, GET OUT
263 1342 004567          JSR      R5, CBUF          ; DISABLE POLLING
264 1346 011103          MOV      (R1), R3          ; GET COMMAND AGAIN
265 1350 032703          BIT      #1, R3            ; IS VEHICLE FROM TRANSCON

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266	1354	00:405	BEQ	VEH4	:	NO, GO TO GI PROCESSING
267	1356	012704	MOV	#1CSECD,R4	:	GET TABLE ADDRESS
268	1362	016700	MOV	TCSECD,R0	:	GET BUFFER DATA
269	1366	000404	BR	VEH2	:	NO, GO PROCESS
270	1370	012704	MOV	#GISECD,R4	:	GET TABLE ADDRESS
271	1374	016700	MOV	GISECD,R0	:	GET BUFFER/FLAG DATA
272	1400	005714	VEH2:	TST	(R4)	: IS BUFFER/ FLAG SET?
273	1402	00:004	BNE	VEH2A	:	YES, GO PROCESS
274	1404	005764	TST	4(R4)	:	NO, TIMES TRIED AT ZERO?
275	1410	00:012	BNE	VEH3	:	NO, TRY AGAIN
276	1412	000417	BR	VEH6	:	YES, UPDATE POINTERS
277	1414	042703	VEH2A:	BIC	#176000,R3	: CLEAR ALL OTHER BITS
278	1420	042700	BIC	#176000,R0	:	CLEAR ALL OTHER BITS
279	1424	020300	CMP	R3,R0	:	IS VEHICLE THE SAME
280	1426	00:411	BEQ	VEH6	:	YES, GO PROCESS
281	1430	004567	JSR	R5,CMDSU1	:	NO, RESET FLAGS
282	1434	000406	BR	VEH6	:	GETOUT
283	1436	01:601	VEH3:	MOV	(SP),R1	: GET COMMAND DATA
284	1440	01:124	MOV	(R1),(R4)+	:	UPDATE TABLE
285	1442	012724	MOV	#60,(R4)+		
286	1446	012714	MOV	#3,(R4)		
287	1452	012601	VEH6:	MOV	(SP)+,R1	: RESTORE DATA POINTER
288	1454	01:167	MOV	(R1),INPUTA		
289	1460	01:167	MOV	(R1),INPUTA+2		
290	1464	004567	JSR	R5,LOGOV	:	LOG DATA
291	1470	01:167	MOV	(R1),DROUT	:	OUTPUT CMD
292	1474	062767	RETNA:	ADD	#2,COUTP	: INCREMENT OFFSET
293	1502	005721	TST	(R1)+		
294	1504	020127	CMP	R1,#COUEND	:	TEST FOR END
295	1510	100402	BMI	RETN	:	NO, GO AROUND
296	1512	005067	CLR	COUTPI	:	RESET OFFSET
297			:			
298	1516	004567	RETN:	JSR	R5,RSTREG	: RESTORE REGISTERS
299	1522	000205	RTS	R5	:	RETURN TO CALLING ROUTINE
300			:			
301			:			
302			:			
303	1524		COUTB:	.BLKW	10,	: CMD OUTPUT BUFR
304	1550	00:550	COUEND:	.=.		: BUFFER END
305	1550	000000	COUTP:	.WORD	0	: CMD IN POINTER
306	1552	000000	COUTPI:	.WORD	0	: CMD OUT POINTER
307			:			
308			:			
309			:			
310			:			
311	1554	042767	RTEST:	BIC	#140300,RAML0D	: CLEAR INSIGNIFICANT ASCII FMT
312	1562	042767	BIC	#140300,RAML0D+2	:	DATA FOR FIRST
313	1570	142767	BICB	#300,RAML0D+4	:	FIVE BYTES
314	1576	016701	MOV	INBUF,R1	:	GET INPUT DATA
315	1602	062701	ADD	#2,R1	:	ADD OFFSET
316	1606	01:167	MOV	(R1),PTR1	:	SAVE BUFFER DATA
317	1612	042711	BIC	#4000,(R1)	:	CLEAR CARGO DOOR OPEN
318	1616	032711	BIT	#20000,(R1)	:	IS RIGHT DOOR OPEN?

```

319 1622 00:402      BEQ      RT1A      ; NO, GO AROUND
320 1624 052711      BIS      #4000,(R1) ; SET RIGHT DOOR OPEN
321 1630 042711 RT1A: BIC      #160000,(R1) ; CLEAR INSIGNIFICANT BITS
322 1634 012700      MOV      #RAMLOD,R0 ; GET RAM LOAD DATA
323 1640 126120 RT1:  CMPB     1(R1),(R0)+ ; TEST FOR MATCH
324 1644 00:425      BEQ      RT4      ; YES, ALERT CONDITION OUTPUT
325 1646 022700      CMP      #RAMLOD+5,R0 ; AT END OF BUFFER?
326 1652 00:372      BNE      RT1      ; NO, TEST NEXT BYTE
327 1654 032711      BIT      #400,(R1) ; TEST FOR KEY ON
328 1660 00:002      BNE      RT2      ; IF KEY ON, GO AROUND
329 1662 052711      BIS      #20000,(R1) ; IF KEY OFF, SET KEY OFF ON INPUT
330 1666 032711 RT2:  BIT      #1000,(R1) ; TEST FOR SEAT OCCUPIED
331 1672 00:002      BNE      RT3      ; IF SEAT OCCUPIED, GO AROUND
332 1674 052711      BIS      #40000,(R1) ; IF EMPTY, SET EMPTY FLAG
333 1700 126120 RT3:  CMPB     1(R1),(R0)+ ; TEST FOR MATCH
334 1704 00:405      BEQ      RT4      ; YES, ALERT CONDITION OUTPUT
335 1706 022700      CMP      #RAMLOD+7,R0 ; NO, AT BUFFER END?
336 1712 100372      BPL      RT3      ; NO, TRY AGAIN
337 1714 062705      ADD      #2,R5      ; YES, GO TO NORMAL RETURN
338 1720 016711 RT4:  MOV      PTR1,(R1) ; RESTORE R1
339 1724 000205      RTS      R5      ; RETURN

```

```

340      ;
341      ;      INTERNAL VARIABLES
342      ;

```

```

343 1726 000000 PTR1: .WORD    0
344      ;
345      ;

```

```

346      ;      SUBROUTINE      TO CLEAR SSPBUF, LOCBUF DURING YD EXIT/YD ENTRY
347      ;

```

```

348 1730 012704 CBUFR: MOV      #LOCBUF,R4      ; GET BUFR ADDR
349 1734 01:100      MOV      (R1),R0      ; GET FIRST ENTRY
350 1736 042700      BIC      #176014,R0      ; CLEAR INSIGNIFICANT DATA BITS
351 1742 052700      BIS      #4,R0      ; SET LOCATION REQUEST COMMAND
352 1746 020024 CBUFR1: CMP      R0,(R4)+      ; IS THIS THE VEHICLE?
353 1750 00:002      BNE      CBUFR2      ; NO, GO AROUND
354 1752 005064      CLR      -2(R4)      ; YES, CLEAR IT OUT
355 1756 022704 CBUFR2: CMP      #LOCEND,R4      ; AT END OF BUFFER?
356 1762 100371      BPL      CBUFR1      ; NO, TRY AGAIN
357 1764 042700      BIC      #4,R0      ; CLEAR LOCATION REQ CMD
358 1770 052700      BIS      #3,R0      ; SET SENSOR REQUEST COMMAND
359 1774 012704      MOV      #SSPBUF,R4
360 2000 020024 CBUFR3: CMP      R0,(R4)+
361 2002 00:002      BNE      CBUFR4
362 2004 005064      CLR      -2(R4)
363 2010 022704 CBUFR4: CMP      #SSPEND,R4
364 2014 100371      BPL      CBUFR3
365 2016 000205      RTS      R5

```

```

366      .SBTTL  CMD0
367      ;
368      ;      CMD0 =
369      ;
370      ;      OBJECT
371      ;

```

```

372 ;
373 .GLOBL CMDO,VEHCMD,CMDBUF,COUTP,COUTB,COUEND
374 .GLOBL SAVREG,RSTREG
375 ;
376 2020 010346 CMDO: MOV R3,-(SP) ; SAVE R3
377 2022 016703 MOV COUTP,R3 ; GET POINTER
378 2026 062703 ADD #COUTB,R3 ; ADD OFFSET
379 2032 016723 MOV CMDBUF,(R3)+ ; STORE DATA
380 2036 062767 ADD #2,COUTP ; INCREMENT POINTER
381 2044 020327 CMP R3,#COUEND ; AT END?
382 2050 100402 BMI C1 ; NO, GO AROUND
383 2052 005067 CLR COUTP ; RESET POINTER
384 2056 012603 C1: MOV (SP)+,R3 ; RESTORE R3
385 2060 000205 RTS R5 ; RETURN
386 ;
387 2062 000000 CMDBUF: .WORD 0
388 ;
389 .SBTTL DSCTRL
390 ;
391 ; DSCTRL = DISPATCH STATION CONTROL PROCESSOR
392 ;
393 ;
394 .MCALL ..V2....REGDEF
395 2064 ..V2..
396 2064 .REGDEF
397 .NLIST BEX
398 ;
399 .GLOBL DSCTRL,DSFLAG,DSINPB,DSINPP,DSEND,IFLAGX,IFLAGY
400 .GLOBL RAMLDD,RAMLDD1,RAMLDD2,PDTK3,PDTK5,K3FLAG,K5FLAG
401 .GLOBL DSFLG1,DSFLG2,DSFLG7,DSFLG8
402 .GLOBL VALVID,DSEDK3,DSEDK5,NO1PTR,NO2PTR,GICMD,TCCMD
403 .GLOBL SUB71,S400,PSWDFG,PDTADR,DISADR,DFLGT1,DFLGG1
404 .GLOBL S202,S203,VID,VSTADR,TCO,TCFLAG,GIFLAG,CMDWDA,CMDWDB,CMDWDC
405 .GLOBL ADDRES,DSFLG3,DSFLG4,S204,S205
406 .GLOBL S200,S226,DSFMTR,RLD1,RLD2,DSCMD1,DSCMD2
407 .GLOBL SCHED,G11BEL,GIMBEL,TC1BEL,TCMBEL
408 .GLOBL DFLAGT,DFLAGG,DSCTRL,DSCTRG,DSPCMD,MOVC3,MOVC5,PDTCT3,PDTCT5
409 .GLOBL INPUT1,INPUT2,ESCO,DSPCMD,S408,MOVC3X,MOVC5X,CMDWDT,CMDWDG
410 .GLOBL S401,S403,S407,S409X,S409Y,S409W,S411,S412,S413
411 .GLOBL S414,S405,S419,S419A,S418,S421,S420,S422,A32CTR,B32CTR
412 ;
413 2064 010546 DSCTRL: MOV R5,-(SP) ; RESERVED FOR CHECKOUT
414 2066 105767 TSTB DSFLAG+1
415 2072 00.414 BEQ GETB
416 2074 000167 JMP D3
417 2100 010546 DSCTRT: MOV R5,-(SP)
418 2102 005767 TST TCFLAG
419 2106 00.152 BNE TCBUSY
420 110 000535 BR DSRET
421 12 010546 DSCTRG: MOV R5,-(SP)
422 4 005767 TST GIFLAG
423 00.133 BNE GIBUSY
424 000530 BR DSRET

```

```

425      ;
426      ; LOOK FOR REQUEST IN BSINPB BUFFER
427      ;
428 2124 026767 GETB:  CMP      DSINPI,DSINPP
429 2132 001012      BNE      GTCMD
430 2134 105367      DECB     DSFLAG
431 2140 022767      CMP      #1,DSFLAG
432 2146 100116      BPL      DSRET
433 2150 112767      MOVB     #1,DSFLAG
434 2156 000512      BR       DSRET
435 2160 016700 GTCMD: MOV      DSINPI,R0
436 2164 016067      MOV      DSINPB(R0),CMDWDA
437 2172 016067      MOV      DSINPB+2(R0),CMDWDB
438 2200 022767      CMP      #35.,CMDWDB
439 2206 001005      BNE      GTCMDA
440 2210 004567      JSR      R5,S422
441 2214 004567      JSR      R5,UPDATE
442 2220 000471      BR       DSRET
443 2222 132767 GTCMDA: BITB     #1,CMDWDA
444 2230 001423      BEQ      GET2
445 2232 032767      BIT      #1,PDTC5
446 2240 001014      BNE      GET1A
447 2242 032767      BIT      #100000,PDTC5+4
448 2250 001424      BEQ      GETC
449 2252 122767 GET1:  CMPB     #21.,CMDWDB
450 2260 001420      BEQ      GETC
451 2262 122767      CMPB     #22.,CMDWDB
452 2270 001414      BEQ      GETC
453 2272 004567 GET1A: JSR      R5,UPDATE
454 2276 000442      BR       DSRET
455 2300 032767 GET2:  BIT      #1,PDTC3
456 2306 001371      BNE      GET1A
457 2310 032767      BIT      #100000,PDTC3+4
458 2316 001355      BNE      GET1
459 2320 000400      BR       GETC
460 2322 132767 GETC:  BITB     #1,CMDWDA
461 2330 001411      BEQ      GITEST
462 2332 005767 TCTEST: TST      TCFLAG
463 2336 001050      BNE      PEND
464 2340 016767      MOV      CMDWDB,CMDWDT
465 2346 004567 A:     JSR      R5,UPDATE
466 2352 000457      BR       G01AA
467 2354 005767 GITEST: TST      G1FLAG
468 2360 001037      BNE      PEND
469 2362 016767      MOV      CMDWDB,CMDWDG
470 2370 000766      BR       A
471 2372 005267 DSRETC: INC      DFLAGT
472 2376 000402      BR       DSRET
473 2400 105267 DSRETB: INCB     DFLAGG
474 2404 012605 DSRET: MOV      (SP)+,R5
475 2406 000205      RTS      R5
476 2410 005767 GIBUSY: TST      GICMD+2
477 2414 001771      BEQ      DSRETB

```

```

478 2416 016767      MOV      GICMD,CMDWDA
479 2424 016767      MOV      GICMD+2,CMDWDB
480 2432 000427      BR        GO1AA
481 2434 005767 TCBUSY :      TST      TCCMD+2
482 2440 001754      BEQ      DSRETC
483 2442 016767      MOV      TCCMD,CMDWDA
484 2450 016767      MOV      TCCMD+2,CMDWDB
485 2456 000415      BR        GO1AA
486 2460 016767 PEND:  MOV      CMDWDA,NEXT1
487 2466 016767      MOV      CMDWDB,NEXT1+2
488 2474 004567      JSR      R5,UPDATE
489 2500 004567      JSR      R5,DSPCMD
490 2504 000000 NEXT1: .WORD    0,0
491 2510 000735      BR        DSRET
492 2512 000167 GO1AA: JMP      GO1
493      ;
494      ;      UPDATE THE BUFFER POINTERS
495      ;
496 2516 016700 UPDATE: MOV      DSINPI,R0
497 2522 062700      ADD      #4,R0
498 2526 010001      MOV      R0,R1
499 2530 062701      ADD      #DSINPB,R1
500 2534 020127      CMP      R1,#DSEND
501 2540 100401      BMI      NTEND
502 2542 005000      CLR      R0
503 2544 010067 NTEND: MOV      R0,DSINPI
504 2550 000205      RTS      R5
505      ;
506      ;      INPUT FROM INTERRUPT PROCESSOR
507      ;
508 2552 010046 D3:    MOV      R0,-(SP)
509 2554 010146      MOV      R1,-(SP)
510 2556 116700      MOVB     DSFLAG+1,R0
511 2562 042700      BIC      #177770,R0
512 2566 116701      MOVB     DSFLAG+1,R1
513 2572 142701      BICB     #177707,R1
514 2576 122700      CMPB     #5,R0
515 2602 001003      BNE      D4
516 2604 004567 D3A:  JSR      R5,RAMLDD
517 2610 000533      BR        D30
518 2612 122701 D4:    CMPB     #50,R1
519 2616 001001      BNE      D5
520 2620 000771      BR        D3A
521 2622 122700 D5:    CMPB     #4,R0
522 2626 001502      BEQ      D5A
523 2630 122701      CMPB     #40,R1
524 2634 001510      BEQ      D5B
525 2636 122700      CMPB     #3,R0
526 2642 001004      BNE      D6
527 2644 162767      SUB      #4,N01PTR
528 2652 000470      BR        D5A
529 2654 122701 D6:    CMPB     #30,R1
530 2660 001004      BNE      D7

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531	2662	162767	SUB	#4,N02PTR
532	2670	000472	BR	D5B
533	2672	122700	D7: CMPB	#2,R0
534	2676	00.004	BNE	D8
535	2700	162767	SUB	#4,N01PTR
536	2706	000452	BR	D5A
537	2710	122701	D8: CMPB	#20,R1
538	2714	00.004	BNE	D11
539	2716	162767	SUB	#4,N02PTR
540	2724	000454	BR	D5B
541	2726	122700	D11: CMPB	#6,R0
542	2732	00.006	BNE	D12
543	2734	004567	JSR	R5,S202
544	2740	142767	BICB	#6,DSFLAG+1
545	2746	000454	BR	D30
546	2750	122701	D12: CMPB	#60,R1
547	2754	00.005	BNE	D13
548	2756	004567	JSR	R5,S203
549	2762	142767	BICB	#60,DSFLAG+1
550	2770	122700	D13: CMPB	#7,R0
551	2774	00.006	BNE	D14
552	2776	004567	JSR	R5,S204
553	3002	142767	BICB	#7,DSFLAG+1
554	3010	000433	BR	D30
555	3012	122701	D14: CMPB	#70,R1
556	3016	00.030	BNE	D30
557	3020	004567	JSR	R5,S205
558	3024	142767	BICB	#70,DSFLAG+1
559	3032	000422	BR	D30
560	3034	032767	D5A: BIT	#100000,PDT5+4
561	3042	00.402	BEQ	D5AA
562	3044	005067	CLR	DFLGT1
563	3050	004567	D5AA: JSR	R5,RAML1
564	3054	000411	BR	D30
565	3056	032767	D5B: BIT	#100000,PDT3+4
566	3064	00.402	BEQ	D5BA
567	3066	005067	CLR	DFLGG1
568	3072	004567	D5BA: JSR	R5,RAML2
569	3076	000400	BR	D30
570	3100	012601	D30: MOV	(SP)+,R1
571	3102	012600	MOV	(SP)+,R0
572	3104	012605	MOV	(SP)+,R5
573	3106	000205	RTS	R5
574				

: RESTORE R5
: RETURN

575	3110	000000	DFLAGG: .WORD	0
576	3112	000000	DFLAGT: .WORD	0
577	3114	000000	DSFLAG: .WORD	0
578	3116		DSINPB: .BLKW	50.
579	3262	000061	DSEND: .WORD	49.
580	3264	000000	DSINPP: .WORD	0
581	3266	000000	DSINPI: .WORD	0
582	3270	000000	DSFLG1: .WORD	0
583	3272	000000	DSFLG2: .WORD	0

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584 3274 000000 DSFLG3: .WORD 0
585 3276 000000 DSFLG4: .WORD 0
586 3300 000000 GIFLAG: .WORD 0
587 3302 000000 TCFLAG: .WORD 0
588 3304 000000 GICMD: .WORD 0,0
589 3310 000000 TCCMD: .WORD 0,0
590 ;
591 3314 012767 G01: MOV #ERR35,ADDRES ; SET FOR INVALID COMMAND
592 3322 116700 MOV CMDWDB,R0
593 3326 005300 DEC R0
594 3330 100410 BMI SKADR
595 3332 006300 ASL R0
596 3334 062700 ADD #CDTAB,R0
597 3340 020027 CMP R0,#EDTAB
598 3344 100002 BPL SKADR
599 3346 011067 MOV (R0),ADDRES
600 3352 005067 SKADR: CLR VID
601 3356 005067 CLR TCO
602 3362 005067 CLR VSTADR
603 ;
604 ; TABLE PROCESS LOOP ROUTINE (ADDRESS OF TABLE IS IN ADDRES)
605 ;
606 3366 022777 PROCAA: CMP #-1,@ADDRES ; IS DSRETSS DONE?
607 3374 001412 BEQ DSRETA ; YES, GET OUT
608 3376 005777 TST @ADDRES ; IS ADDRES EMPY?
609 3402 001407 BEQ DSRETA ; YES, GETOUT
610 3404 017700 MOV @ADDRES,R0 ; GET PROCESS ADDRESS
611 3410 004510 JSR R5,(R0) ; GO TO SUBROUTINE
612 3412 062767 PROCB: ADD #2,ADDRES ; INCREMENT ADDRESS
613 3420 000762 BR PROCAA ; TRY AGAIN
614 3422 000167 DSRETA: JMP DSRET
615 ;
616 3426 003530* CDTAB: .WORD CMDD1
617 3430 003532* .WORD CMDD2
618 3432 003534* .WORD CMDD3
619 3434 003536* .WORD CMDD4
620 3436 003540* .WORD CMDD5
621 3440 003552* .WORD CMDD6
622 3442 003554* .WORD CMDD7
623 3444 003554* .WORD CMDD8
624 3446 003554* .WORD CMDD9
625 3450 003554* .WORD CMDD10
626 3452 003554* .WORD CMDD11
627 3454 003554* .WORD CMDD12
628 3456 003566* .WORD CMDD13
629 3460 003566* .WORD CMDD14
630 3462 003602* .WORD CMDD15
631 3464 003612* .WORD CMDD16
632 3466 003622* .WORD CMDD17
633 3470 003632* .WORD CMDD18
634 3472 003644* .WORD CMDD19
635 3474 003654* .WORD CMDD20
636 3476 003664* .WORD CMDD21

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```

637 3500 003672' .WORD CMDD22
638 3502 003700' .WORD CMDD23
639 3504 003712' .WORD CMDD24
640 3506 003720' .WORD CMDD25
641 3510 003720' .WORD CMDD26
642 3512 003720' .WORD CMDD27
643 3514 003720' .WORD CMDD28
644 3516 003720' .WORD CMDD29
645 3520 003720' .WORD CMDD30
646 3522 003720' .WORD CMDD31
647 3524 003726' .WORD CMDD32
648 3526 003736' .WORD CMDD33
649 3530 003530' EDTAB: .=.
650 ;
651 3530 003530' CMDD1: .=. ; LOCATION UPDATE
652 3530 177777 .WORD -1 ; END
653 3532 003532' CMDD2: .=. ; SENSOR UPDATE
654 3532 177777 .WORD -1 ; END
655 3534 003534' CMDD3: .=. ; SENSOR UPDATE
656 3534 177777 .WORD -1 ; END
657 3536 003536' CMDD4: .=. ; MILEAGE UPDATE
658 3536 177777 .WORD -1 ; END
659 3540 003540' CMDD5: .=. ; MODE CHANGE
660 3540 003766' .WORD S400,-1,S418,S409Y ; GET VID, VSTADR, TCO
661 3550 177777 .WORD -1
662 3552 003552' CMDD6: .=. ; SENSOR ALERT CLEAR - NORMAL MODE
663 3552 177777 .WORD -1 ; END
664 ;
665 3554 003554' CMDD7: .=. ; SENSOR ALERT - NORMAL BELL
666 3554 003554' CMDD8: .=. ; ALARMS - COUNTERMEASURES, DRIVER ALARM
667 3554 003554' CMDD9: .=. ; COMM COUNTERMEASURES
668 3554 003554' CMDD10: .=. ; ROUTE ALERT - VEHICLE LOCATION - NORMAL
669 3554 003554' CMDD11: .=. ; ROUTE ALERT - VEHICLE LOCATION - ALARM #2
670 3554 003554' CMDD12: .=. ; UPDATE TRACKING CHARACTER ONLY
671 3554 003766' .WORD S400,-1,S403,S409W,-1
672 ;
673 3566 003566' CMDD13: .=. ; SENSOR UPDATE - REMOTE ALARM
674 3566 003566' CMDD14: .=. ; SENSOR ALERT - REMOTE ALARM
675 3566 003766' .WORD S400,-1,S411,S413,S409X,-1
676 ;
677 3602 003602' CMDD15: .=. ; RECENT HISTORY PRINTOUT
678 3602 003766' .WORD S400,-1,S421,-1 ; GET VID, VSTADR, TCO
679 ;
680 3612 003766' CMDD16: .WORD S400,-1,S401,-1
681 3622 003766' CMDD17: .WORD S400,-1,S407,-1
682 3632 003766' CMDD18: .WORD S400,-1,S405,S419A,-1
683 3644 003766' CMDD19: .WORD S400,-1,S419,-1
684 3654 003766' CMDD20: .WORD S400,-1,S412,-1
685 3664 005336' CMDD21: .WORD S417,S415,-1
686 3672 005336' CMDD22: .WORD S417,S416,-1
687 3700 003766' CMDD23: .WORD S400,-1,S420,S419A,-1
688 3712 005336' CMDD24: .WORD S417,S416A,-1
689 3720 003720' CMDD26: .=.

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690 3720 003720*CMDD27: .=.
691 3720 003720*CMDD28: .=.
692 3720 003720*CMDD29: .=.
693 3720 003720*CMDD30: .=.
694 3720 003720*CMDD31: .=.
695 3720 000000GCMDD25: .WORD S200.1.-1
696 3726 004310*CMDD32: .WORD S400K5.-1,DSEDK5.-1
697 3736 004036*CMDD33: .WORD S400K3.-1,DSEDK3.-1
698 3746 000000 PDTOUT: .WORD 0
699 3750 000000 CMDWDA: .WORD 0
700 3752 000000 CMDWDB: .WORD 0
701 3754 000000 CMDWDC: .WORD 0
702 3756 000000 CMDWDG: .WORD 0
703 3760 000000 CMDWDT: .WORD 0
704 3762 000120 A32CTR: .WORD 120
705 3764 000120 B32CTR: .WORD 120
706 ;*****
707 ;
708 ; GET VID,VSTADR ; OUTPUT ESCO COMMAND,TCO,AND PDTADR
709 ;
710 ;*****
711 3766 116767 S400: MOV CMDWDA,VID
712 3774 005067 CLR VSTADR
713 4000 016703 MOV VID,R3
714 4004 004567 JSR R5,VALVID
715 4010 010267 MOV R2,VSTADR
716 4014 010200 MOV R2,R0
717 4016 005067 CLR TCO
718 4022 032760 BIT #40.2(R0)
719 4030 001527 BEQ S400A
720 4032 005267 INC TCO
721 4036 012767 S400K3: MOV #PDT3,PDTADR
722 4044 012767 MOV #MOV3,DISADR
723 4052 016702 MOV PDTADR,R2
724 4056 000434 BR S400AA
725 4060 132767 S400AC: BITB #1,CMDWDA
726 4066 001014 BNE S400AX
727 4070 112767 MOV #1,GIFLAG+1
728 4076 016767 MOV CMDWDA,GICMD
729 4104 016767 MOV CMDWDB,GICMD+2
730 4112 105267 INCB DFLAGG
731 4116 000570 BR S400B
732 4120 112767 S400AX: MOV #1,TCFLAG+1
733 4126 016767 MOV CMDWDA,TCCMD
734 4134 016767 MOV CMDWDB,TCCMD+2
735 4142 105267 INCB DFLAGT
736 4146 000554 BR S400B
737 4150 032722 S400AA: BIT #100.(R2)+
738 4154 001341 BNE S400AC
739 4156 032712 BIT #4000.(R2)
740 4162 001336 BNE S400AC
741 4164 005767 TST DSCMD2
742 4170 001333 BNE S400AC

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743	4172	005767	TST	GI1BEL
744	4176	00:330	BNE	S400AC
745	4200	005767	TST	IFLAGY
746	4204	00:325	BNE	S400AC
747	4206	005767	TST	DSFLG8
748	4212	00:322	BNE	S400AC
749	4214	005767	TST	DSFLG2
750	4220	00:317	BNE	S400AC
751	4222	005367	DEC	B32CTR
752	4226	100314	BPL	S400AC
753	4230	012767	MOV	#120,B32CTR
754	4236	032712	BIT	#2000,(R2)
755	4242	00:113	BNE	S400BA
756	4244	032767	BIT	#20,CMDWDB
757	4252	00:107	BNE	S400BA
758	4254	004567	JSR	R5,MOVCS
759	4260	000000G	.WORD	ESCO,2,0
760	4266	052767	BIS	#2000,PDTC3+2
761	4274	005267	INC	DFLGG1
762	4300	012767	MOV	#900,DFLGG1-4
763	4306	000664	BR	S400AC
764	4310	004310	.S400K5: . =.	
765	4310	012767	MOV	#PDTC5,PDADR
766	4316	012767	MOV	#MOVCS,DISADR
767	4324	016702	MOV	PDADR,R2
768	4330	032722	BIT	#100,(R2)+
769	4334	00:251	BNE	S400AC
770	4336	032712	BIT	#4000,(R2)
771	4342	00:246	BNE	S400AC
772	4344	005767	TST	DSCMD1
773	4350	00:243	BNE	S400AC
774	4352	005767	TST	TC1BEL
775	4356	00:240	BNE	S400AC
776	4360	005767	TST	IFLAGX
777	4364	00:235	BNE	S400AC
778	4366	005767	TST	DSFLG7
779	4372	00:232	BNE	S400AC
780	4374	005767	TST	DSFLG1
781	4400	00:227	BNE	S400AC
782	4402	005367	DEC	A32CTR
783	4406	100224	BPL	S400AC
784	4410	012767	MOV	#120,A32CTR
785	4416	032712	BIT	#2000,(R2)
786	4422	00:023	BNE	S400BA
787	4424	032767	BIT	#20,CMDWDB
788	4432	00:017	BNE	S400BA
789	4434	004567	JSR	R5,MOVCS
790	4440	000000G	.WORD	ESCO,2,0
791	4446	052767	BIS	#2000,PDTC5+2
792	4454	005267	INC	DFLGT1
793	4460	012767	MOV	#900,DFLGT1-4
794	4466	000167	JMP	S400AC
795	4472	004472	.S400BC: . =.	

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796 4472 062767 S400BA: ADD      #2,ADDRESS
797 4500 000205 S400B: RTS      R5
798          ;*****
799          ;
800          ;      SUB-PROCESS 404 SET UP CMD CALL PARAMETERS
801          ;
802          ;*****
803 4502 012700 S404:  MOV      #DSCMD2,R0      ; GET GI ADDR
804 4506 005767      TST      TCO              ; TEST FOR TRUCKING CO
805 4512 001002      BNE      S404A            ; GI = GO AROUND
806 4514 012700      MOV      #DSCMD1,R0      ; GET TRANSCON ADDR
807 4520 012720 S404A: MOV      #1,(R0)+       ; SET FLAG
808 4524 116720      MOVVB    VID,(R0)+       ; STORE VEHICLE
809 4530 116720      MOVVB    TCO,(R0)+       ; STORE CO.
810 4534 012510      MOV      (R5)+,(R0)      ; STORE CMD #
811 4536 000205      RTS      R5              ; RETURN
812 4540 000006 S405E: .WORD    6,-1
813          ;*****
814          ;
815          ;      SUB-PROCESS 408 INTERFACE TO DSFMTR FOR PRINTER OUTPUT
816          ;
817          ;*****
818 4544 004544*MOV5X:  .=.
819 4544 011567 MOV5X: MOV      (R5),S408A
820 4550 010046      MOV      R0,-(SP)
821 4552 010146      MOV      R1,-(SP)
822 4554 012501      MOV      (R5)+,R1
823 4556 000416      BR       S408X
824 4560 011567 S408:  MOV      (R5),S408A
825 4564 010046      MOV      R0,-(SP)
826 4566 010146      MOV      R1,-(SP)
827 4570 012501      MOV      (R5)+,R1
828 4572 112761      MOVVB    #40,5(R1)
829 4600 112761      MOVVB    #40,6(R1)
830 4606 112761      MOVVB    #40,7(R1)
831 4614 061501 S408X: ADD      (R5),R1
832 4616 112721      MOVVB    #15,(R1)+
833 4622 112721      MOVVB    #12,(R1)+
834 4626 112721      MOVVB    #3,(R1)+
835 4632 112711      MOVVB    #3,(R1)
836 4636 012567      MOV      (R5)+,S408A+2
837 4642 062767      ADD      #3,S408A+2
838 4650 005025      CLR      (R5)+
839 4652 012700      MOV      #PDT3+2,R0
840 4656 012701      MOV      #RLD2,R1
841 4662 016767      MOV      TCO,S408A+6
842 4670 004567      JSR      R5,DSFMTR
843 4674 000000 S408A: .WORD    0,0.262,0
844 4704 005767      TST      TCO
845 4710 001004      BNE      S408B
846 4712 012700      MOV      #PDT5+2,R0
847 4716 012701      MOV      #RLD1,R1
848 4722 052710 S408B: BIS      #24410,(R0)

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849 4726 005211      INC      (R1)
850 4730 012601      MOV      (SP)+,R1
851 4732 012600      MOV      (SP)+,R0
852 4734 000205      RTS      R5
853                ;*****
854                ;
855                ;      SUB-PROCESS 415 CLEAR STATUS AREA ON ISC DISPLAY FIRST TIME
856                ;
857                ;*****
858 4736 012703 S415:  MOV      #1,R3
859 4742 005767      TST      TCO
860 4746 001403      BEQ      S415B
861 4750 010367      MOV      R3,NEXTL1
862 4754 000402      BR       S415C
863 4756 010367 S415B: MOV      R3,NEXTL0
864 4762 004567 S415C: JSR      R5,S414
865 4766 005767      TST      TCO
866 4772 001403      BEQ      S415D
867 4774 005267      INC      NEXTL1
868 5000 000402      BR       S415E
869 5002 005267 S415D: INC      NEXTL0
870 5006 000205 S415E: RTS      R5
871 5010 000000 NEXTL0: .WORD  0
872 5012 000000 NEXTL1: .WORD  0
873                ;*****
874                ;
875                ;      SUB-PROCESS 416 CLEAR NEXT BUFFER IN ISC DISPLAY
876                ;
877                ;*****
878 5014 005767 S416:  TST      TCO
879 5020 001403      BEQ      S416X
880 5022 016703      MOV      NEXTL1,R3
881 5026 000402      BR       S416X1
882 5030 016703 S416X: MOV      NEXTL0,R3
883 5034 022703 S416X1: CMP     #23,,R3
884 5040 100435      BMI      S416B
885 5042 000747      BR       S415C
886 5044 012700 S416A: MOV      #INPUT1,R0
887 5050 005767      TST      TCO
888 5054 001402      BEQ      S416AA
889 5056 012700      MOV      #INPUT2,R0
890 5062 012710 S416AA: MOV     #141702,(R0)
891 5066 005767      TST      TCO
892 5072 001403      BEQ      S416AB
893 5074 004567      JSR      R5,DSEDK3
894 5100 000402      BR       S416AC
895 5102 004567 S416AB: JSR     R5,DSEDK5
896 5106 016701 S416AC: MOV     PDTADR,R1
897 5112 042761      BIC      #100000,4(R1)
898 5120 042761      BIC      #1000,2(R1)
899 5126 004567      JSR      R5,S419A
900 5132 000205      RTS      R5
901 5134 005067 S416B: CLR      S416BA+6

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902 5140 052767      BIS      #4.SCHED
903 5146 012702      MOV      #RLD1,R2
904 5152 005767      TST      TCO
905 5156 001413      BEQ      S416BB
906 5160 005067      CLR      G11BEL
907 5164 005067      CLR      GIMBEL
908 5170 012702      MOV      #RLD2,R2
909 5174 105067      CLRB     PSWDFG+1
910 5200 005267      INC      S416BA+6
911 5204 000406      BR       S416BC
912 5206 105067 S416BB: CLRB     PSWDFG
913 5212 005067      CLR      TC1BEL
914 5216 005067      CLR      TCMBEL
915 5222 004567 S416BC: JSR      R5,DSFMTR
916 5226 005262 S416BA: .WORD   PRTR1,44.,262,0
917 5236 016701      MOV      PDTADR,R1
918 5242 052761      BIS      #4200,2(R1)
919 5250 005212      INC      (R2)
920 5252 004567      JSR      R5,S404
921 5256 000030      .WORD   24.
922 5260 000205      RTS       R5
923 5262      033 PRTR1: .BYTE   33,75,40,40
924 5266      040      .ASCII  / VEH TYPE   ALM   STATUS   ENABLED/
925 5332      036      .BYTE   36,6,3,100
926      ;*****
927      ;
928      ;      SUB-PROCESS 417 SET UP TCO AND PDTADR FOR BUFR CLEAR
929      ;
930      ;*****
931 5336 005067 S417:  CLR      TCO
932 5342 116767      MOV      CMDWDA+1,TCO
933 5350 012767      MOV      #PDTCS,PDTADR
934 5356 012701      MOV      #DFLGT1,R1
935 5362 005767      TST      TCO
936 5366 001405      BEQ      S417A
937 5370 012701      MOV      #DFLGG1,R1
938 5374 012767      MOV      #PDTCS,PDTADR
939 5402 005211 S417A: INC      (R1)
940 5404 012761      MOV      #1130,-4(R1)
941 5412 016701      MOV      PDTADR,R1
942 5416 032711      BIT      #100,(R1)
943 5422 001405      BEQ      S417C
944 5424 062767      ADD      #2,ADDRES
945 5432 004567      JSR      R5,S400AC
946 5436 000205 S417C: RTS       R5
947 5440 000000 PDK5:  .WORD   0,0,0,0,0,0
948 5456 000000 PDK3:  .WORD   0,0,0,0,0,0
949 5474 000000 K3FLAG: .WORD   0
950 5476 000000 K5FLAG: .WORD   0
951      ;
952      ;
953      .SBTTL  ALCPRC
954      ;

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955      :      ALCPRC = SENSOR ALERT CONTROL PROCESSOR -- CARGO SECURITY
956      :
957      :      OBJECT: TO PROCESS ABNORMAL SENSOR CONDITIONS AS DETECTED BY
958      :      THE SENSOR INPUT DATA PRE-PROCESSOR
959      :
960      :      .MCALL ..V2....REGDEF
961 5500      :      ..V2..
962 5500      :      .REGDEF
963      :      .NLIST BEX
964      :
965      :      .GLOBL ALCPRC, SAVREG, RSTREG, BASECD, VALVID
966      :      .GLOBL ALFLAG, ACINPB, ACINPP, ACEND, AVSTAT, AINPUT
967      :      .GLOBL DRVALM, NORMSN, RPLSAK, SCRAMB, RLOADR
968      :
969      :      SAVE REGISTERS AND TEST INPUT DATA
970      :
971 5500 000240 ALCPRC: NOP      : RESERVED FOR CHECKOUT
972 5502 004567      JSR      R5, SAVREG      : SAVE REGISTERS
973 5506 026767      CMP      ACINPI, ACINPP    : ARE POINTERS ALIGNED?
974 5514 001005      BNE      A1              : NO, GO AROUND
975 5516 004567      JSR      R5, BASECD      : OUTPUT EXECUTIVE ERROR MESSAGE
976 5522      000      .BYTE 0,0,25,50.      : NO 50.
977 5526 000524      BR      OUT1            : DONT UPDATE POINTERS
978 5530 016700 A1:    MOV      ACINPI, R0      : GET INTERNAL POINTER
979 5534 062700      ADD      #ACINPB, R0      : ADD ADDR
980 5540 005710      TST      (R0)            : IS INPUT CMD 0
981 5542 001005      BNE      A2              : NO, GO AROUND
982 5544 004567      JSR      R5, BASECD      : OUTPUT ERROR MSG
983 5550      000      .BYTE 0,0,25,51.      : NO 51
984 5554 000475      BR      OUT              : NORMAL GETOUT
985 5556 116003 A2:    MOVB     2(R0), R3
986 5562 042703      BIC      #177700, R3      : CLEAR INSIGNIFICANT BITS
987 5566 004567      JSR      R5, VALVID
988 5572 005701      TST      R1
989 5574 001407      BEQ      A2A
990 5576 010367      MOV      R3, BSCMD1
991 5602 004567      JSR      R5, BASECD
992 5606      000 BSCMD1: .BYTE 0,0,25,53.
993 5612 000456      BR      OUT
994 5614 010267 A2A:   MOV      R2, AVSTAT
995 5620 010067      MOV      R0, AINPUT
996 5624 022710      CMP      #4, (R0)      : DRIVER ALARM SET, POLL RESPONSE
997 5630 001424      BEQ      A3              : YES, PROCESS
998 5632 022710      CMP      #8, (R0)      : DRIVER ALARMSET, EVENT
999 5636 001421      BEQ      A3              : YES, PROCESS
1000 640 022710      CMP      #9, (R0)      : RAM LOAD PENDING?
1001 644 001421      BEQ      A4              : YES, GO PROCESS
1002 646 022710      CMP      #10, (R0)     : SCRAMBLED RAM LOAD?
1003 652 001421      BEQ      A5              : YES, GO PROCESS
1004 654 022710      CMP      #11, (R0)     : RAM LOAD RQST?
1005 660 001421      BEQ      A6              : YES, PROCESS
1006 662 022710      CMP      #12, (R0)     : ANY OTHER VALID CMD?
1007 666 100021      BPL      A7              : YES, GO PROCESS

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1008 670 004567      JSR      R5,BASECD      ; OUTPUT ERROR COMMAND
1009 674      000      .BYTE      0,0,25,,52. ; #52.
1010 700 000423      BR        OUT          ; GETOUT
1011      ;
1012      ;      DRIVER ALARM ACTIVATED. EVENT OR POLLED RESPONSE
1013      ;
1014 702 004567 A3:    JSR      R5,DRVALM      ; PROCESS DRVR ALM
1015 708 000415      BR        A7A          ; RETURN
1016      ;
1017      ;      RAM LOAD PENDING. SENSOR ACKNOWLEDGE
1018      ;
1019 710 004567 A4:    JSR      R5,RPLSAK      ;
1020 714 000415      BR        OUT          ; RETURN
1021      ;
1022      ;      SCRAMBLED RAM LOAD. RBLOAD
1023      ;
1024 716 004567 A5:    JSR      R5,SCRAMB      ;
1025 722 000412      BR        OUT          ; RETURN
1026      ;
1027      ;      RAM LOAD REQUEST FROM BASE STATION
1028      ;
1029 724 004567 A6:    JSR      R5,RLOADR      ;
1030 730 000407      BR        OUT          ; RETURN
1031      ;
1032      ;      1 = DISABLED SENSORS - NORMAL MODE. SENSOR POLL
1033      ;      2 = NO COMPARISON WITH RAM LOAD - NORMAL MODE. SENSOR POLL
1034      ;      3 = CARGO DOOR OPEN - NORMAL MODE. SENSOR POLL
1035      ;      5 = DISABLED SENSORS EXIST IN VSTAT - NORMAL MODE. SENSOR EVENT
1036      ;      6 = NO COMPARISON WITH RAM LOAD - SENSOR EVENT. NORMAL MODE
1037      ;      7 = CARGO DOOR OPEN - NORMAL MODE. SENSOR EVENT
1038      ;
1039 732 004567 A7:    JSR      R5,NORMSN      ; NORMAL PROC
1040 736 004567      JSR      R5,DRVALM      ; DRVR ALM PROC
1041 742 004567 A7A:   JSR      R5,USTAT      ; UPDATE VSTAT
1042 746 000400      BR        OUT          ; RETURN
1043      ;
1044      ;
1045      ;
1046 750 062767 OUT:   ADD      #6,ACINPI      ; INCREMENT POINTER
1047 756 016700      MOV      ACINPI,R0      ; STORE PTR
1048 762 062700      ADD      #ACINPB,R0      ; ADD OFFSET
1049 766 020027      CMP      R0,#ACEND      ; AT END?
1050 772 100402      BMI      OUT1          ; YES, GO AROUND
1051 774 005067      CLR      ACINPI          ; RESET POINTER
1052 000 004567 OUT1:  JSR      R5,RSTREG      ; RESTORE REG
1053 004 000205      RTS      R5            ; RETURN
1054      ;
1055      ;      INTERNAL SUBROUTINE FOR VSTAT UPDATE
1056      ;
1057 006 016701 USTAT: MOV      AVSTAT,R1      ; GET VSTAT ADDRESS
1058 012 016700      MOV      AINPUT,R0      ; GET INPUT ADDRESS
1059 016 016061      MOV      4(R0),6(R1)      ; STORE DATA
1060 024 000205      RTS      R5            ; RETURN

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1061      ;
1062      ;      VARIABLES
1063      ;
1064 026      ACINPB: .BLKW  60.      ; INPUT BUFFER
1065 216 000000 ACEND: .WORD  0      ; END OF BUFFER
1066 220 000000 ACINPP: .WORD  0      ; EXTERNAL POINTER
1067 222 000000 ACINPI: .WORD  0      ; INTERNAL POINTER
1068 224 000000 AVSTAT: .WORD  0      ; ADDRESS OF VSTAT
1069 226 000000 ALFLAG: .WORD  0      ; ALERT PROCESSOR CONTROL FLAG
1070 230 000000 AINPUT: .WORD  0      ; ADDRESS OF INPUT DATA
1071      ;
1072      .SBTTL  DTALOG
1073      ;
1074      ;      DTALOG = DATA LOGGING CONTROL PROCESSOR
1075      ;
1076      ;      THIS IS A DUMMY ROUTINE FOR USE IN THE VEHICLE COMMAND
1077      ;      DISPATCHER CHECKOUT
1078      ;
1079      .MCALL  ..V2....REGDEF..LOOKUP..WRITW..CLOSE..SRESET
1080 232      ..V2..
1081 232      .REGDEF
1082      .NLIST  BEX
1083      ;
1084      .GLOBL  DTALOG,DLFLAG,NOLOG,LOGFIL,LOGBUF,LOGBLK,SCHED
1085      ;
1086 232 005767 DTALOG: TST      NOLOG      ; IS LOGGER ENABLED?
1087 236 001075      BNE      DLOUT      ; NO, GET OUT
1088 240 152767      BLSB      #20,SCHED
1089 246 112767      MOV      #1,BASERR+3      ; INITIALIZE ERROR FLAG
1090 254      .LOOKUP  #AREA,#7,#LOGFIL      ; LOOKUP FILE
1091 306 103452      BCS      DLERR      ; FILE NOT THERE. GET OUT
1092 310 105267      INCB      BASERR+3      ; UPDATE ERROR FLAG
1093 314 012767      MOV      #LOGBUF+10,LOGOUT      ; GET BUFFER LOCATION
1094 322 026767      CMP      LOGBUF+4,LOGBUF+2      ; IS IT BUFFER : OR 2?
1095 330 100003      BPL      DLWRIT      ; 1, GO AROUND
1096 332 012767      MOV      #LOGBUF+522,LOGOUT      ; SET BUFFER ADDRESS
1097 340      DLWRIT: .WRITW  #AREA,#7,LOGOUT,#256.,LOGBLK
1098 410 103411      BCS      DLERR      ; COULD NOT WRITE FILE
1099 412 005267      INC      LOGBLK      ; INCREMENT BLOCK COUNTER
1100 416      DLOUT1: .CLOSE  #7
1101 430      .SRESET
1102 432 000205      DLOUT: RTS      R5      ; RETURN
1103 434 012767      DLERR: MOV      #1,NOLOG      ; RESET NO LOG FLAG
1104 442 042767      BIC      #20,SCHED
1105 450 004567      JSR      R5,BASECD      ; OUTPUT ERROR COMMAND
1106 454 000      BASERR: .BYTE  0,0,27.,0
1107 460 000756      BR      DLOUT1      ; GET OUT
1108 462      AREA: .BLKW  5
1109 474 000000 LOGOUT: .WORD  0
1110 476 000000 DLFLAG: .WORD  0
1111      ;
1112      .TITLE  BSCTRL
1113      ;

```

```

1114      ; BASE STATION CONTROL PROCESSOR
1115      ;
1116      ;
1117      .MCALL ..V2....REGDEF
1118 500      ..V2..
1119 500      .REGDEF
1120      .NLIST BEX
1121      ;
1122      .GLOBL BSRQST
1123      .GLOBL ONLINE
1124      .GLOBL MOVC1,MOVP1,MESSP1
1125      .GLOBL BSCTRL,BSFLAG,BSINPB,BSINPP,BSEND
1126      .GLOBL SESTAT,ALSTAT,RTSTA
1127      .GLOBL TYEDIT,KBEDIT
1128      .GLOBL PRNORM,PRHIST,TYCPR
1129      .GLOBL SHOWIT
1130      .GLOBL PDTC1,PDTC1,PDTP1
1131      .GLOBL SUB06,SUB07,SUB10,SUB15
1132      .GLOBL SUB26,SUB27,SUB29
1133      .GLOBL SUB36,SUB37,SUB38
1134      .GLOBL SUB42,SUB44,SUB45
1135      .GLOBL SUB71,SUB72,SUB73,S106,S113
1136      .GLOBL S123,S125,S136
1137      .GLOBL MOVER,PDADR,PRTPDT,DISADR,ERRPRT,PRTPDR,PDTPINP
1138      .GLOBL TCBELL,GIBELL,FUNKEY,VID,VSTADR,TCO
1139      .GLOBL RESULT,ADDRES,CMDWD1,CMDWD2
1140      000007 CBELL = 7
1141      017000 CHOME = 17000
1142      025433 CLEAR = 25433
1143      ;
1144 500 010546 BSCTRL: MOV R5,-(SP) ;SAVE RETURN ADDRESS
1145 502 105767 TSTB BSFLAG
1146 506 001123 BNE REGREQ ;BS COMMAND
1147 510 032767 BIT #2000,BSFLAG
1148 516 001022 BNE DISPC1 ;DISPLAY REQ'T PENDING
1149 520 032767 BIT #400,BSFLAG
1150 526 001060 BNE EDITK1 ;INPUT ON K1
1151 530 032767 BIT #1000,BSFLAG
1152 536 001062 BNE EDITK2 ;INPUT ON K2
1153 540 032767 BIT #10000,BSFLAG
1154 546 001067 BNE BELLC1
1155 550 032767 BIT #4000,BSFLAG
1156 556 001024 BNE PRTP1 ;PRINT REQ'T
1157 560 000167 JMP BSRET
1158 564 042767 DISPC1: BIC #2000,BSFLAG ;CLEAR REQ'T BIT
1159 572 005767 TST ONLINE ;BS ON-LINE ?
1160 576 001002 BNE LOOKC1
1161 600 000167 JMP BSRET
1162 604 116700 LOOKC1: MOVB PDTC1+4,R0 ;DETERMINE WHICH DISPLAY TO CALL
1163 610 012701 MOV #TABC1,R1
1164 614 004567 JSR R5,COMPAR
1165 620 005702 TST R2
1166 622 001572 BEQ BSRET

```

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1167 624 004512      JSR      R5,(R2)          ;GIVE CONTROL TO DISPLAY ROUTINE
1168 626 000570      BR       BSRET
1169
1170 630 042767      PRTPI: BIC      #4000,BSFLAG
1171 636 005767      TST      ONLINE          ;BS ON-LINE ?
1172 642 001562      BEQ      BSRET
1173 644 116700      MOV      PDTP1+4,R0
1174 650 012701      MOV      #TABP1,R1
1175 654 004567      JSR      R5,COMPARE
1176 660 005702      TST      R2
1177 662 001552      BEQ      BSRET
1178 664 004512      JSR      R5,(R2)          ;GIVE CONTROL TO PRINT ROUTINE
1179 666 000550      BR       BSRET
1180
1181 670 042767      EDITK1: BIC      #400,BSFLAG
1182 676 004567      JSR      R5,KBEDIT        ;GIVE CONTROL TO INPUT EDITOR
1183 702 000542      BR       BSRET
1184
1185 704 042767      EDITK2: BIC      #1000,BSFLAG
1186 712 005767      TST      ONLINE          ;BS ON-LINE ?
1187 716 001534      BEQ      BSRET
1188 720 004567      JSR      R5,TYEDIT        ;GIVE CONTROL TO INPUT EDITOR
1189 724 000531      BR       BSRET
1190 726 042767      BELLK1: BIC      #10000,BSFLAG
1191 734 005767      TST      ONLINE          ;BS ON-LINE ?
1192 740 001523      BEQ      BSRET
1193 742 004567      JSR      R5,MOVCI        ;RING JC11 BELL
1194 746 011320      .WORD     BELL
1195 750 000004      .WORD     EBELL-BELL
1196 752 000000      .WORD     0
1197 754 000515      BR       BSRET
1198
1199      ; LOOK FOR REQUEST IN BSINPS BUFFER
1200
1201 756 000240      REGREQ: NOP
1202 760 026767      CMP      BSINPI,BSINPP
1203 766 001003      BNE      GETCMD
1204 770 105067      CLRB     BSFLAG
1205 774 000505      BR       BSRET
1206 776 016700      GETCMD: MOV      BSINPI,R0
1207 002 016067      MOV      BSINPB(R0),CMDWD1
1208 010 016067      MOV      BSINPB+2(R0),CMDWD2
1209 016 004567      JSR      R5,SHOWIT
1210 022 062700      ADD      #4,R0
1211 026 010001      MOV      R0,R1
1212 030 062701      ADD      #BSINPB,R1
1213 034 020127      CMP      R1,#BSEND
1214 040 100401      BMI      NOTEND
1215 042 005000      CLR      R0
1216 044 010067      NOTEND: MOV      R0,BSINPI
1217 050 105367      DECB     BSFLAG
1218 054 012767      MOV      #ERR35,ADDRES
1219 062 116700      MOV      CMDWD2,R0          ; SET FOR INVALID COMMAND

```

```

1220 066 005300      DEC      R0
1221 070 100410      BMI      SKPADR
1222 072 006300      ASL      R0
1223 074 062700      ADD      #CMDTAB,R0
1224 100 020027      CMP      R0,#ENDTAB
1225 104 100002      BPL      SKPADR
1226 106 011067      MOV      (R0),ADDRES
1227 112 012767      SKPADR: MOV      #PDTCT,PDTADR
1228 120 012767      MOV      #MOVC1,MOVER
1229 126 012767      MOV      #PDTP1,PRTPD
1230 134 012767      MOV      #MOVC1,DISADR
1231 142 012767      MOV      #MESSP1,ERRPRT
1232 150 012767      MOV      #MOVP1,PRTADR
1233 156 012767      MOV      #PDTK1,PDTINP
1234 164 005067      CLR      FUNKEY
1235 170 005067      CLR      VID
1236 174 005067      CLR      TCO
1237 200 005067      CLR      VSTADR
1238 204 004567      JSR      R5,PROCES
1239 210 012605      BSRET:  MOV      (SP)+,R5
1240 212 000205      RTS      R5
1241
1242 214 010546      PROCES: MOV      R5,-(SP)
1243 216 017700      PROCA:  MOV      @ADDRES,R0
1244 222 022700      CMP      #-1,R0
1245 226 001407      BEQ      PROCES
1246 230 005700      TST      R0
1247 232 001405      BEQ      PROCES
1248 234 004510      JSR      R5,(R0)
1249 236 062767      ADD      #2,ADDRES
1250 244 000764      BR      PROCA
1251 246 012605      PROCES: MOV      (SP)+,R5
1252 250 000205      RTS      R5
1253
1254
1255 252 005002      COMPAR: CLR      R2
1256 254 005711      NXTCMP: TST      (R1)
1257 256 001407      BEQ      ENDCMP
1258 260 020011      CMP      R0,(R1)
1259 262 001403      BEQ      GOTIT
1260 264 062701      ADD      #4,R1
1261 270 000771      BR      NXTCMP
1262 272 016102      GOTIT:  MOV      2(R1),R2
1263 276 000205      ENDCMP: RTS      R5
1264
1265 300 007400*      CMDTAB: .WORD      CMD1
1266 302 007424*      .WORD      CMD2
1267 304 007530*      .WORD      CMD4
1268 306 007566*      .WORD      CMD5
1269 310 007616*      .WORD      CMD6
1270 312 007744*      .WORD      CMD8
1271 314 010032*      .WORD      CMD10
1272 316 010040*      .WORD      CMD11

```

; GIVE CONTROL TO ROUTINE

;COMPARE CONTENTS OF R0 WITH
; TABLE ADDRESSED BY R1; EACH
; ENTRIE IS TWO WORDS; IF R0
; MATCHES THE 1ST WORD THEN

```

1273 320 010074* .WORD CMD12
1274 322 010130* .WORD CMD13
1275 324 010164* .WORD CMD14
1276 326 010210* .WORD CMD16
1277 330 010216* .WORD CMD17
1278 332 010246* .WORD CMD18
1279 334 010320* .WORD CMD19
1280 336 010374* .WORD CMD20
1281 340 010446* .WORD CMD21
1282 342 010462* .WORD CMD22
1283 344 010516* .WORD CMD23
1284 346 010572* .WORD CMD24
1285 350 010616* .WORD CMD25
1286 352 010656* .WORD CMD26
1287 354 010706* .WORD CMD27
1288 356 010744* .WORD CMD28
1289 360 010744* .WORD CMD29
1290 362 010744* .WORD CMD30
1291 364 010744* .WORD CMD31
1292 366 010744* .WORD CMD32
1293 370 010750* .WORD CMD33
1294 372 011000* .WORD CMD34
1295 374 011012* .WORD CMD35
1296 376 011024* .WORD CMD36
1297 400 007400*ENDTAB: =.
1298 ;

```

```

1299 400 007400*CMD1: =. ; LOCATION UPDATE
1300 400 000000G .WORD S123 ; GET VID
1301 402 011566* .WORD S126 ; TEST FOR F1/F4 OR F2/F5
1302 404 000000G .WORD SUB07,MINUS1 ; END IF NOT
1303 410 000000G .WORD SUB26,PDTC1.12 ;SET PDT FOR LOCATION UPDATE
1304 416 000000G .WORD SUB29,2000 ; SET BSFLAG
1305 422 177777 .WORD -1 ; END
1306 ;

```

```

1307 424 007424*CMD2: =. ; SENSOR UPDATE
1308 424 000000G .WORD S123 ; GET VID
1309 426 000000G .WORD SUB36 ;GET VSTADR & TCO
1310 430 000000G .WORD SUB37,0 ;TEST COMMAND SUB-BYTE
1311 434 000000G .WORD SUB06,CMD3
1312 440 011612* .WORD S127 ; TEST FOR F1/F4
1313 442 000000G .WORD SUB07,CMD2A ; BR IF NOT
1314 446 000000G .WORD SUB26,PDTC1.202 ;SET PDT FOR SENSOR UPDATE
1315 454 000000G .WORD SUB29,2000 ; SET BSFLAG FOR C1
1316 460 007460*CMD2A: =.
1317 460 000000G .WORD SUB15,FUNKEY.1 ;SET FUNKEY = 1
1318 466 000000G .WORD SUB38,PDTP1.0.0 ;SET PRINTER PD~
1319 476 000000G .WORD SUB29,4000 ; SET BSFLAG FOR P1
1320 502 177777 .WORD -1 ; END
1321 ;

```

```

1322 504 007504*CMD3: =. ; SENSOR UPDATE
1323 504 011566* .WORD S126 ; TEST FOR F1/F4 OR F2/F5
1324 506 000000G .WORD SUB07,MINUS1 ; END IF NOT
1325 512 000000G .WORD SUB42,PDTC1.0.202 ;SET PDT FOR SENSOR UPDATE

```

```

1326 522 000000G .WORD SUB29,2000 ; SET BSFLAG FOR C1
1327 526 177777 .WORD -1 ; END
1328 530 007530'CMD4: .=. ; MILEAGE UPDATE
1329 530 000000G .WORD S123 ; GET VID
1330 532 01:612' .WORD S127 ; TEST FOR F1/F4
1331 534 000000G .WORD SUB07,MINUS1 ; END IF NOT
1332 540 012040' .WORD S137,20000,12. ; TEST FOR MILEAGE REQUESTED
1333 546 000000G .WORD SUB07,MINUS1 ; END IF NOT
1334 552 000000G .WORD SUB26,PDTCT1,102 ; SET PDT FOR MILEAGE UPDAYE
1335 560 000000G .WORD SUB29,2000 ; SET BSFLAG
1336 564 177777 .WORD -1 ; END
1337 ;
1338 566 007566'CMD5: .=. ; MODE CHANGE
1339 566 000000G .WORD S123 ; GET VID
1340 570 000000G .WORD SUB36 ; GET VSTADR & TCO
1341 572 012002' .WORD S131 ; TEST FOR F1/F4,F2/F5, OR F3/F6
1342 574 000000G .WORD SUB07,MINUS1 ; END IF NOT
1343 600 000000G .WORD SUB42,PDTCT1,0,22 ; SET PDT FOR STATUS UPDATE
1344 610 000000G .WORD SUB29,2000 ; SET BSFLAG
1345 614 177777 .WORD -1 ; END
1346 ;
1347 616 007616'CMD6: .=. ; UNIT ENTRY COMPLETE
1348 616 000000G .WORD S123 ; GET VID
1349 620 000000G .WORD SUB36 ; GET VSTAD9 & TCO
1350 622 000000G .WORD SUB37,0 ; TEST COMMAND SUB-BYTE
1351 626 000000G .WORD SUB07,CMD7
1352 632 000000G .WORD SUB71,36. ; MSG ON P1
1353 636 01:612' .WORD S127 ; TEST FOR F1/F4
1354 640 000000G .WORD SUB07,CMD6A ; BR IF NOT
1355 644 000000G .WORD SUB26,PDTCT1,22 ; SET PDT FOR STATUS UPDATE
1356 652 000000G .WORD SUB29,2000 ; SET BSFLAG
1357 656 177777 .WORD -1 ; END
1358 660 01:652'CMD6A: .WORD S128 ; TEST FOR F2/F5
1359 662 000000G .WORD SUB07,MINUS1 ; END IF NOT
1360 666 000000G .WORD SUB27,PDTCT1,2 ; SET PDT FOR NEW ROUTE STATUS DISP
1361 674 000000G .WORD SUB29,2000 ; SET BSFLAG (NEW ROUTE STATUS)
1362 700 177777 .WORD -1 ; END
1363 ;
1364 702 007702'CMD7: .=. ; UNIT DELETE COMPLETE
1365 702 000000G .WORD SUB71,37. ; MSG ON P1
1366 706 01:612' .WORD S127 ; TEST FOR F1/F4
1367 710 000000G .WORD SUB07,CMD7A ; BR IF NOT
1368 714 01:540' .WORD SUB74 ; CLEAR 'C1' DISPLAY
1369 716 01:324' .WORD SUB41 ; CLEAR PDT
1370 720 177777 .WORD -1 ; END
1371 722 01:652'CMD7A: .WORD S128 ; TEST FOR F2/F5
1372 724 000000G .WORD SUB07,MINUS1 ; END IF NOT
1373 730 000000G .WORD SUB27,PDTCT1,2 ; SET PDT FOR NEW ROUTE STATUS DI
1374 736 000000G .WORD SUB29,2000 ; SET BSFLAG
1375 742 177777 .WORD -1 ; END
1376 ;
1377 744 007744'CMD8: .=. ; SENSOR DISABLE COMPLETE
1378 744 000000G .WORD S123 ; GET VID

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1379 746 000000G .WORD SUB37.0 ;TEST COMMAND SUB-BYTE
1380 752 000000G .WORD SUB07.CMD9
1381 756 000000G .WORD SUB71.38. ; MSG ON P1
1382 762 01:612' .WORD S127 ; TEST FOR F1/F4
1383 764 000000G .WORD SUB07.MINUS1 ; END IF NOT
1384 770 000000G .WORD SUB26.PDTC1.202 ;SET PDT FOR SENSOR UPDATE
1385 776 000000G .WORD SUB29.2000 ; SET BSFLAG
1386 002 177777 .WORD -1 ; END
1387 ;
1388 004 010004'CMD9: .=. ; SENSOR ENABLE COMPLETE
1389 004 000000G .WORD SUB71.39. ; MSG ON P1
1390 010 01:612' .WORD S127 ;TEST FOR F1/F4
1391 012 000000G .WORD SUB07.MINUS1 ; END IF NOT
1392 016 000000G .WORD SUB26.PDTC1.202 ;SET PDT FOR SENSOR UPDATE
1393 024 000000G .WORD SUB29.2000 ; SET BSFLAG
1394 030 177777 .WORD -1 ; END
1395 032 010032'CMD10: .=. ; ZERO AM PHASE COMPLETE, VEH ONLY
1396 032 000000G .WORD SUB71.40.-1 ; MSG ON P1
1397 ;
1398 040 010040'CMD11: .=. ; ZERO AM PHASE COMPLETE, VEH & PROC.
1399 040 000000G .WORD S123 ; GET VID
1400 042 000000G .WORD SUB36 ;GET VSTAD9 & TCO
1401 044 000000G .WORD SUB71.41. ; MSG ON P1
1402 050 01:566' .WORD S126 ; TEST FOR F1/F4 OR F2/F5
1403 052 000000G .WORD SUB07.MINUS1 ; END IF NOT
1404 056 000000G .WORD SUB42.PDTC1.0.12 ;SET PDT FOR LOC UPDATE
1405 066 000000G .WORD SUB29.2000 ; SET BSFLAG
1406 072 177777 .WORD -1 ; END
1407 ;
1408 074 010074'CMD12: .=. ; DISABLE ALL SENSORS COMPLETE
1409 074 000000G .WORD S123 ; GET VID
1410 076 000000G .WORD SUB36 ;GET VSTAD9 & TCO
1411 100 000000G .WORD SUB71.42. ; MSG ON P1
1412 104 01:756' .WORD S130 ; TEST FOR F1/F4 OR F3/F6
1413 106 000000G .WORD SUB07.MINUS1 ; END IF NOT
1414 112 000000G .WORD SUB42.PDTC1.0.202 ;SET PDT FOR SENSOR UPDATE
1415 122 000000G .WORD SUB29.2000 ; SET BSFLAG
1416 126 177777 .WORD -1 ; END
1417 ;
1418 130 010130'CMD13: .=. ; ENABLE REMOTE ALARM COMPLETE
1419 130 000000G .WORD S123 ; GET VID
1420 132 000000G .WORD SUB36 ;GET VSTAD9 & TCO
1421 134 000000G .WORD SUB71.43. ; MSG ON P1
1422 140 012002' .WORD S131 ; TEST FOR F1/F4, F2/F5, OR F3/F6
1423 142 000000G .WORD SUB07.MINUS1 ; END IF NOT
1424 146 000000G .WORD SUB42.PDTC1.0.22 ;SET PDT FOR STATUS UPDATE
1425 156 000000G .WORD SUB29.2000 ; SET BSFLAG
1426 162 177777 .WORD -1 ; END
1427 ;
1428 164 010164'CMD14: .=. ; DISPATCH PROCESSOR LOADED - TRANSCON
1429 164 000000G .WORD SUB37.0 ;TEST COMMAND SUB-BYTE
1430 170 000000G .WORD SUB07.CMD15
1431 174 000000G .WORD SUB71.44.-1 ; MSG ON P1

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1432 ;
1433 202 010202 CMD15: .=. ; DISPATCH PROCESSOR LOADED - GI
1434 202 000000G .WORD SUB71.45.-1 ; MSG ON P1
1435 ;
1436 210 010210 CMD16: .=. ; SLOW POLL DONE
1437 210 000000G .WORD SUB71.46.-1 ; MSG ON P1
1438 ;
1439 216 010216 CMD17: .=. ; SENSOR ALERT CLEAR - NORMAL MODE
1440 216 000000G .WORD S123 ; GET VID
1441 220 000000G .WORD SUB36 ; GET VS0AD9 & TCO
1442 222 01:566' .WORD S126 ; TEST FOR F1/F4 OR F2/F5
1443 224 000000G .WORD SUB07.MINUS1 ; END IF NOT
1444 230 000000G .WORD SUB42.PDTC1.0.202 ; SET PDT FOR SENSOR UPDATE
1445 240 000000G .WORD SUB29.2000 ; SET BSFLAG
1446 244 177777 .WORD -1 ; END
1447 ;
1448 246 010246 CMD18: .=. ; SENSOR ALERT - NORMAL BELL
1449 246 000000G .WORD S123 ; GET VID
1450 250 000000G .WORD SUB36 ; GET VS0AD9 & TCO
1451 252 000000G .WORD SUB29.14000 ; SET BSFLAG (BELL & P1 PRINT)
1452 256 01:566' .WORD S126 ; TEST FOR F1/F4 OR F2/F5
1453 260 000000G .WORD SUB07.CMD18A ; BR IF NOT
1454 264 000000G .WORD SUB42.PDTC1.0.202 ; SET PDT FOR SENSOR UPDATE
1455 274 000000G .WORD SUB29.2000 ; SET BSFLAG FOR C1 DISPLAY
1456 300 000000G CMD18A: .WORD SUB15.FUNKEY.1 ; SET FUNKEY = 1
1457 306 000000G .WORD SUB38.PDTP1.0.0 ; SET PRINTER PD
1458 316 177777 .WORD -1 ; END
1459 ;
1460 320 010320 CMD19: .=. ; ALARMS - COUNTERMEASURES. DRIVER ALARM
1461 320 000000G .WORD S123 ; GET VID
1462 322 000000G .WORD SUB36 ; GET VS0AD9 & TCO
1463 324 01:566' .WORD S126 ; TEST FOR F1/F4 OR F2/F5
1464 326 000000G .WORD SUB07.CMD19A ; BR IF NOT
1465 332 000000G .WORD SUB42.PDTC1.0.202 ; SET PDT FOR SENSOR UPDATE
1466 342 000000G .WORD SUB29.2000 ; SET BSFLAG FOR C1
1467 346 000000G CMD19A: .WORD SUB15.FUNKEY.1 ; SET FUNKEY = 1
1468 354 000000G .WORD SUB38.PDTP1.0.0 ; SET PDT FOR NORMAL PRINT
1469 364 000000G .WORD SUB29.4000 ; SET BSFLAG FOR P1
1470 370 012110' .WORD S141 ; INCREMENT BELL COUNTER
1471 372 177777 .WORD -1 ; END
1472 ;
1473 374 010374 CMD20: .=. ; COMM COUNTERMEASURES
1474 374 000000G .WORD S123 ; GET VID
1475 376 000000G .WORD SUB36 ; GET VS0AD9 & TCO
1476 400 012002' .WORD S131 ; TEST FOR F1/F4, F2/F5, OR F3/F6
1477 402 000000G .WORD SUB07.CMD20A ; BR IF NOT
1478 406 000000G .WORD SUB42.PDTC1.0.22 ; SET PDT FOR STATUS UPDATE
1479 416 000000G .WORD SUB29.2000 ; SET BSFLAG FOR C1
1480 422 000000G CMD20A: .WORD SUB15.FUNKEY.1 ; SET FUNKEY = 1
1481 430 000000G .WORD SUB38.PDTP1.0.0 ; SET P4T FOR NORMAL PRINT
1482 440 000000G .WORD SUB29.4000 ; SET BSFLAG FOR P1
1483 444 177777 .WORD -1 ; END
1484 ;

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1485 446 010446"CMD21:  .=.          ; RAM LOAD COMPLETE
1486 446 000000G        .WORD    SUB27.PDTC1.4      ;CLEAR MODE DISABLE
1487 454 000000G        .WORD    SUB71.47.          ;MSG ON P1
1488 460 177777        .WORD    -1
1489
1490 462 010462"CMD22:  .=.          ; ROUTE ALERT - VEHICLE LOCATION - NORMAL
1491 462 000000G        .WORD    SUB44              ; SETUP COMMAND #33
1492 464 000000G        .WORD    SUB45              ; SETUP CMD #33 IF 2ND TRUCK
1493 466 000000G        .WORD    S123              ;GET VID
1494 470 000000G        .WORD    SUB36              ;GET VS0AD9 & TCO
1495 472 000000G        .WORD    SUB15.FUNKEY.1      ;SET FUNKEY = 1
1496 500 000000G        .WORD    SUB38.PDTP1.0.0     ;SET P T FOR NORMAL PRINT
1497 510 000000G        .WORD    SUB29.4000         ; SET BSFLAG FOR P1
1498 514 177777        .WORD    -1                 ; END
1499
1500 516 010516"CMD23:  .=.          ; ROUTE ALARM - VEHICLE LOCATION - ALARM #2
1501 516 000000G        .WORD    S123              ; GET VID
1502 520 000000G        .WORD    SUB36              ;GET VS0AD9 & TCO
1503 522 01:566"        .WORD    S126              ; TEST FOR F1/F4 OR F2/F5
1504 524 000000G        .WORD    SUB07.CMD23A        ; BR IF NOT
1505 530 000000G        .WORD    SUB42.PDTC1.0.202   ;SET PDT FOR SENSOR UPDATE
1506 540 000000G        .WORD    SUB29.2000         ; SET BSFLAG FOR C1
1507 544 000000G"CMD23A: .WORD    SUB15.FUNKEY.1      ;SET FUNKEY = 1
1508 552 000000G        .WORD    SUB38.PDTP1.0.0     ;SET P T FOR NORMAL PRINT
1509 562 000000G        .WORD    SUB29.4000         ; SET BSFLAG FOR P1
1510 566 012110"        .WORD    S141              ;INCREMENT BELL COUNTER
1511 570 177777        .WORD    -1                 ; END
1512
1513 572 010572"CMD24:  .=.          ; TIME OF STOP UPDATE
1514 572 000000G        .WORD    S123              ; GET VID
1515 574 01:612"        .WORD    S127              ; TEST FOR F1/F4
1516 576 000000G        .WORD    SUB07.MINUS1        ; END IF NOT
1517 602 000000G        .WORD    SUB26.PDTC1.1002    ;SET PDT FOR TIME OF STOP UPDATE
1518 610 000000G        .WORD    SUB29.2000         ; SET BSFLAG
1519 614 177777        .WORD    -1                 ; END
1520
1521 616 010616"CMD25:  .=.          ; UPDATE TRACKING CHARACTER ONLY
1522 616 000000G        .WORD    S123              ; GET VID
1523 620 01:612"        .WORD    S127              ; TEST FOR F1/F4
1524 622 000000G        .WORD    SUB07.MINUS1        ; END IF NOT
1525 626 000000G        .WORD    S123              ; GET VID FROM CMDWD1
1526 630 012040"        .WORD    S137.100000.12.     ;TEST FOR TRACK ENABLED
1527 636 000000G        .WORD    SUB07.MINUS1        ; END IF NOT
1528 642 000000G        .WORD    SUB26.PDTC1.12      ;SET PDT FOR LOCATION UPDATE
1529 650 000000G        .WORD    SUB29.2000         ; SET BSFLAG
1530 654 177777        .WORD    -1                 ; END
1531
1532 656 010656"CMD26:  .=.          ; SENSOR UPDATE - REMOTE ALARM
1533 656 000000G        .WORD    S123              ; GET VID
1534 660 000000G        .WORD    SUB36              ;GET VS0AD9 & TCO
1535 662 01:756"        .WORD    S130              ; TEST FOR F1/F4 OR F3/F5
1536 664 000000G        .WORD    SUB07.MINUS1        ; END IF NOT
1537 670 000000G        .WORD    SUB42.PDTC1.0.202   ;SET PDT FOR SENSOR UPDATE

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CONTINUED

5 OF 29

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1538 700 000000G .WORD SUB29.2000 ; SET BSFLAG
1539 704 177777 .WORD -1 ; END
1540 ;
1541 706 010706'CMD27: .=. ; SENSOR ALERT - REMOTE ALARM
1542 706 000000G .WORD S123 ; GET VID
1543 710 000000G .WORD SUB36 ; GET VS0AD9 & TCO
1544 712 01:756' .WORD S130 ; TEST FOR F1/F4 OR F3/F6
1545 714 000000G .WORD SUB07.MINUS1 ; END IF NOT
1546 720 000000G .WORD S136.40000.12. ; RESET ALARM ACK IN BS CNTRL 2
1547 726 000000G .WORD SUB42.PDTC1.0.202 ; SET PDT FOR SENSOR UPDATE
1548 736 000000G .WORD SUB29.2000 ; SET BSFLAG
1549 742 177777 .WORD -1 ; END
1550 ;
1551 744 010744'CMD28: .=. ; VEHICLE COMM MESSAGE ON P1
1552 744 010744'CMD29: .=. ; EXECUTIVE MESSAGE ON P1
1553 744 010744'CMD30: .=. ; DISPATCH STATION MESSAGES ON P1
1554 744 010744'CMD31: .=. ; DATA LOGGING MESSAGES ON P1
1555 744 010744'CMD32: .=. ; TRAP MESSAGES ON P1
1556 744 000000G .WORD SUB73.-1
1557 ;
1558 750 010750'CMD33: .=. ; ROUTE ALERT - VEH LOCATION
1559 ; ; NORMAL USE (EXTEN OF CMD 22)
1560 750 000000G .WORD S123 ; GET VID
1561 752 000000G .WORD SUB36 ; GET VS0AD9 & TCO
1562 754 01:566' .WORD S126 ; TEST FOR F1/F4 OR F2/F5
1563 756 000000G .WORD SUB07.MINUS1 ; END IF NOT
1564 762 000000G .WORD SUB42.PDTC1.0.22 ; SET PDT FOR STATUS UPDATE
1565 772 000000G .WORD SUB29.2000 ; SET BSFLAG
1566 776 177777 .WORD -1 ; END
1567 000 01:000'CMD34: .=. ; SENSOR REQUEST RESPONSE
1568 000 000000G .WORD SUB15.CMDWD2.5 ; SET CMDWD2 = 5
1569 006 000000G .WORD SUB10.CMD36A
1570 ;
1571 012 01:012'CMD35: .=. ; LOCATION REQUEST RESPONSE
1572 012 000000G .WORD SUB15.CMDWD2.3 ; SET CMDWD2 = 3
1573 020 000000G .WORD SUB10.CMD36A
1574 ;
1575 024 01:024'CMD36: .=. ; MILEAGE REQUEST RESPONSE
1576 024 000000G .WORD SUB15.CMDWD2.4 ; SET CMDWD2 = 4
1577 032 000000G CMD36A: .WORD SUB15.FUNKEY.3 ; SET FUNKEY = 3
1578 040 000000G .WORD S123 ; GET VID FROM CMDWD1
1579 042 000000G .WORD SUB36 ; GET VS0AD9 & TCO
1580 044 000000G .WORD SUB38.PDTP1.0.0 ; SET P T FOR NORMAL PRINT
1581 054 000000G .WORD SUB29.4000 ; SET BSFLAG
1582 060 177777 .WORD -1
1583 062 000000GERR35: .WORD SUB71.35.-1
1584 ;
1585 070 000001 TABC1: .WORD 1. SESTAT ; DISPLAY PGM FOR EACH FUNCTION
1586 074 000004 .WORD 4. SESTAT ; VALUE
1587 100 000002 .WORD 2. RTSTAT
1588 104 000005 .WORD 5. RTSTAT
1589 110 000003 .WORD 3. ALSTAT
1590 114 000006 .WORD 6. ALSTAT

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1591 120 000000 .WORD 0,0
1592 124 000001 TABP1: .WORD 1,PRNORM
1593 130 000002 .WORD 2,PRHIST
1594 134 000003 .WORD 3,TYCPR
1595 140 000000 .WORD 0,0
1596 144 177777 MINUS1: .WORD -1
1597 146 000000 BSFLAG: .WORD 0
1598 150 000000 BSINPI: .WORD 0
1599 152 000000 BSINPP: .WORD 0
1600 154 BSINPB: .BLKW 48.
1601 314 01:314 BSEND: .=.
1602 314 000000 BSRQST: .WORD 0
1603 316 000001 ONLINE: .WORD 1
1604 320 000007 BELL: .WORD CBELL,CHOME
1605 324 01:324 EBELL: .=.
1606 ;
1607 ;
1608 ;*****
1609 ; SUB-PROCESS 41 CLEAR PDT
1610 ;*****
1611 ;
1612 324 016700 SUB41: MOV PDTADR,R0
1613 330 005010 CLR (R0)
1614 332 005060 CLR 4(R0)
1615 336 005060 CLR 6(R0)
1616 342 005060 CLR 8.(R0)
1617 346 005060 CLR 10.(R0)
1618 352 005060 CLR 12.(R0)
1619 356 000205 RTS R5
1620 ;
1621 ;*****
1622 ; SUB-PROCESS 124 TEST FOR VID IN PDT
1623 ;*****
1624 ;
1625 360 005067 S124: CLR RESULT
1626 364 016700 MOV PDTADR,R0
1627 370 126760 CMPB VID,6(R0)
1628 376 00:402 BEQ S124E
1629 400 005267 INC RESULT
1630 404 000205 S124E: RTS R5
1631 ;
1632 ;*****
1633 ; SUB-PROCESS 52 TEST FOR DISPLAY MODE = 1 OR 4
1634 ;*****
1635 ;
1636 406 016700 SUB52: MOV PDTADR,R0
1637 412 005067 CLR RESULT
1638 416 122760 CMPB #1,4(R0)
1639 424 00:406 BEQ SUB52E
1640 426 122760 CMPB #4,4(R0)
1641 434 00:402 BEQ SUB52E
1642 436 005267 INC RESULT
1643 442 000205 SUB52E: RTS R5

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1644      ;
1645      ;*****
1646      ; SUB-PROCESS 53   TEST FOR DISPLAY MODE = 2 OR 5
1647      ;*****
1648      ;
1649 444 016700 SUB53:  MOV   PDTADR,R0
1650 450 005067      CLR   RESULT
1651 454 122760      CMPB  #2,4(R0)
1652 462 001406      BEQ   SUB53E
1653 464 122760      CMPB  #5,4(R0)
1654 472 001402      BEQ   SUB53E
1655 474 005267      INC   RESULT
1656 500 000205 SUB53E: RTS    R5
1657      ;
1658      ;*****
1659      ; SUB-PROCESS 54   TEST FOR DISPLAY MODE = 3 OR 6
1660      ;*****
1661      ;
1662 502 016700 SUB54:  MOV   PDTADR,R0
1663 506 005067      CLR   RESULT
1664 512 122760      CMPB  #3,4(R0)
1665 520 001406      BEQ   SUB54E
1666 522 122760      CMPB  #6,4(R0)
1667 530 001402      BEQ   SUB54E
1668 532 005267      INC   RESULT
1669 536 000205 SUB54E: RTS    R5
1670      ;
1671      ;*****
1672      ; SUB-PROCESS 74   CLEAR DISPLAY
1673      ;*****
1674      ;
1675 540 010546 SUB74:  MOV   R5,-(SP)
1676 542 004577      JSR   R5,@DISADR
1677 546 011560      .WORD  SUB74B
1678 550 000006      .WORD  SUB74C-SUB74B
1679 552 000000 SUB74A: .WORD  0
1680 554 012605      MOV   (SP)+,R5
1681 556 000205      RTS    R5
1682 560 017000 SUB74B: .WORD  CHOME,CLEAR,CHOME
1683 566 011566 SUB74C: .=.
1684      ;
1685      ;*****
1686      ;
1687      ;*****
1688      ;
1689 566 010546 S126:  MOV   R5,-(SP)
1690 570 004567      JSR   R5,S127
1691 574 005767      TST   RESULT
1692 600 001402      BEQ   S126E
1693 602 004567      JSR   R5,S128
1694 606 012605 S126E: MOV   (SP)+,R5
1695 610 000205      RTS    R5
1696      ;

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; F1/F4 ?

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1697      ;*****
1698      ; SUB-PROCESS :27  TEST FOR F1/F4 & CORRECT VID
1699      ;*****
1700      ;
1701 612 010546 S127:  MOV    R5,-(SP)
1702 614 004567      JSR     R5,S124      ; TEST VID
1703 620 005767      TST     RESULT
1704 624 001010      BNE     S127E
1705 626 004567      JSR     R5,SUB52      ;F1/F4?
1706 632 116067 S127A:  MOV    7(R0),TCO
1707 640 016067      MOV     8.(R0),VSTADR
1708 646 012605 S127E:  MOV     (SP)+,R5
1709 650 000205      RTS      R5
1710      ;
1711      ;*****
1712      ; SUB-PROCESS :28  TEST FOR F2/F5 & CORRECT TCO
1713      ;*****
1714      ;
1715 652 010546 S128:  MOV    R5,-(SP)
1716 654 004567      JSR     R5,S106      ; GET VSTAT ENTRY USING VID
1717 660 005767      TST     RESULT
1718 664 001011      BNE     S128E
1719 666 004567      JSR     R5,S125      ; GET TRUCKING CO
1720 672 004567      JSR     R5,S113      ; TEST TRUCKING CO IN PDT
1721 676 005767      TST     RESULT
1722 702 001002      BNE     S128E      ; BAD TRUCK
1723 704 004567      JSR     R5,SUB53      ;F2/F5?
1724 710 012605 S128E:  MOV     (SP)+,R5
1725 712 000205      RTS      R5
1726      ;
1727      ;*****
1728      ; SUB-PROCESS :29  TEST FOR F3/F6 & CORRECT TCO
1729      ;*****
1730      ;
1731 714 010546 S129:  MOV    R5,-(SP)
1732 716 004567      JSR     R5,S106      ; GET VSTAT ENTRY
1733 722 005767      TST     RESULT
1734 726 001011      BNE     S129E
1735 730 004567      JSR     R5,S125      ; GET TRUCKING CO
1736 734 004567      JSR     R5,S113      ; TEST TRUCKING CO IN PDT
1737 740 005767      TST     RESULT
1738 744 001002      BNE     S129E      ; BAD TRUCK
1739 746 004567      JSR     R5,SUB54      ;F3/F6?
1740 752 012605 S129E:  MOV     (SP)+,R5
1741 754 000205      RTS      R5
1742      ;
1743      ;*****
1744      ; SUB-PROCESS :30  TEST FOR F1/F4 WITH CORRECT VID  OR
1745      ;*****      F3/F6 WITH CORRECT TCO
1746      ;
1747 756 010546 S130:  MOV    R5,-(SP)
1748 760 004567      JSR     R5,S127
1749 764 005767      TST     RESULT

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1750 770 001402      BEQ      S130E
1751 772 004567      JSR      R5,S129
1752 776 012605 S130E: MOV      (SP)+,R5
1753 000 000205      RTS      R5
1754                ;
1755                ;*****
1756                ; SUB-PROCESS 131  TEST FOR F1/F4 WITH CORRECT VID  OR
1757                ;*****          F2/F5 WITH CORRECT TCO  OR
1758                ;                F3/F6 WITH CORRECT TCO
1759 002 010546 S131:  MOV      R5,-(SP)
1760 004 004567      JSR      R5,S127          ; F1/F4 ?
1761 010 005767      TST      RESULT
1762 014 001407      BEQ      S131E
1763 016 004567      JSR      R5,S128          ; F2/F5 ?
1764 022 005767      TST      RESULT
1765 026 001402      BEQ      S131E
1766 030 004567      JSR      R5,S129          ; F3/F6
1767 034 012605 S131E: MOV      (SP)+,R5
1768 036 000205      RTS      R5
1769                ;
1770                ;*****
1771                ; SUB-PROCESS 137  TEST BIT SET IN VSTAT WORD (0-N)
1772                ;*****
1773                ;
1774 040 005067 S137:  CLR      RESULT
1775 044 062767      ADD      #2,ADDRES
1776 052 017700      MOV      @ADDRES,R0
1777 056 062767      ADD      #2,ADDRES
1778 064 017701      MOV      @ADDRES,R1
1779 070 066701      ADD      VSTADR,R1
1780 074 030011      BIT      R0,(R1)
1781 076 001002      BNE      S137E
1782 100 005267      INC      RESULT
1783 104 000205 S137E: RTS
1784                ;*****
1785 106 000205 S139E: RTS      R5
1786                ;
1787                ; SUB-PROCESS 141  INCREMENT ALARM BELL COUNTER (GIBELL OR TCBELL)
1788                ;*****
1789                ;
1790 110 005767 S141:  TST      TCO
1791 114 001003      BNE      S141A
1792 116 005267      INC      TCBELL
1793 122 000402      BR       S141E
1794 124 005267 S141A: INC      GIBELL
1795 130 000205 S141E: RTS      R5
1796                ;
1797                000001*      .END

```


A	002346R	ACEND	006216RG	ACINPB	006026RG
ACINPI	006222R	ACINPP	006220RG	ADDRES=	***** G
AINPUT	006230RG	ALCPRC	005500RG	ALFLAG	006226RG
ALSTAT=	***** G	AREA	006462R	AVS"AT	006224RG
A1	005530R	A2	005556R	A2A	005614R
A3	005702R	A32CTR	003762RG	A4	005710R
A5	005716R	A6	005724R	A7	005732R
A7A	005742R	BASECD=	***** G	BASERR	006454R
BELL	011320R	BELLCL	006726R	BSCMD1	005606R
BSCTRL	006500RG	BSEND	011314RG	BSFLAG	011146RG
BSINPB	011154RG	BSINPI	011150R	BSINPP	011152RG
BSRET	007210R	BSRGST	011314RG	B32CTR	003764RG
CALL1	000370R	CALL2	000402R	CALL3	000414R
CBELL =	000007	CBUFR	001730R	CBUFR1	001746R
CBUFR2	001756R	CBUFR3	002000R	CBUFR4	002010R
CDTAB	003426R	CHOME =	017000	CKS"RT	000334R
CLEAR =	025433	CMDBUF	002062RG	CMD11	003530R
CMD10	003554R	CMD11	003554R	CMD12	003554R
CMD13	003566R	CMD14	003566R	CMD15	003602R
CMD16	003612R	CMD17	003622R	CMD18	003632R
CMD19	003644R	CMD20	003532R	CMD20	003654R
CMD21	003664R	CMD22	003672R	CMD23	003700R
CMD24	003712R	CMD25	003720R	CMD26	003720R
CMD27	003720R	CMD28	003720R	CMD29	003720R
CMD3	003534R	CMD30	003720R	CMD31	003720R
CMD32	003726R	CMD33	003736R	CMD4	003536R
CMD5	003540R	CMD6	003552R	CMD7	003554R
CMD8	003554R	CMD9	003554R	CMD0	002020RG
CMDSU1=	***** G	CMDTAB	007300R	CMDLDA	003750RG
CMDWDB	003752RG	CMDWDC	003754RG	CMDUDG	003756RG
CMDWDT	003760RG	CMDWD1=	***** G	CMDUD2=	***** G
CMD1	007400R	CMD10	010032R	CMD:1	010040R
CMD12	010074R	CMD13	010130R	CMD:4	010164R
CMD15	010202R	CMD16	010210R	CMD:7	010216R
CMD18	010246R	CMD18A	010300R	CMD:9	010320R
CMD19A	010346R	CMD2	007424R	CMD2A	007460R
CMD20	010374R	CMD20A	010422R	CMD21	010446R
CMD22	010462R	CMD23	010516R	CMD23A	010544R
CMD24	010572R	CMD25	010616R	CMD26	010656R
CMD27	010706R	CMD28	010744R	CMD29	010744R
CMD3	007504R	CMD30	010744R	CMD31	010744R
CMD32	010744R	CMD33	010750R	CMD34	011000R
CMD35	011012R	CMD36	011024R	CMD36A	011032R
CMD4	007530R	CMD5	007566R	CMD6	007616R
CMD6A	007660R	CMD7	007702R	CMD7A	007722R
CMD8	007744R	CMD9	010004R	COMPAR	007252R
COUEND	001550RG	COUTB	001524RG	COUTP	001550RG
COUTP1	001552R	C1	002056R	DFLAGG	003110RG
DFLAGT	003112RG	DFLGG1=	***** G	DFLGT1=	***** G
DISADR=	***** G	DISPC1	006564R	DLERR	006434R
DLFLAG	006476RG	DLOUT	006432R	DLOUT1	006416R
DLWRIT	006340R	DRC5 =	167770	DROUT =	167772
DRVALM=	***** G	DSCMD1=	***** G	DSCMD2=	***** G

DSCOMP= ***** G	DSCTRG 002112RG	DSCTRL 002064RG
DSCRTT 002100RG	DSEDK3= ***** G	DSEDK5= ***** G
DSEND 003262RG	DSFLAG 003114RG	DSFLG1 003270RG
DSFLG2 003272RG	DSFLG3 003274RG	DSFLG4 003276RG
DSFLG7= ***** G	DSFLG8= ***** G	DSFMTR= ***** G
DSINPB 003116RG	DSINP1 003266R	DSINPP 003264RG
DSPCH1 000000RG	DSPCH2 000232R	DSPCMD= ***** G
DSRET 002404R	DSRETA 003422R	DSRETB 002400R
DSRETC 002372R	DSTOP 000276R	DTALOG 006232RG
D0 000064R	D1 000100R	D11 002726R
D12 002750R	D13 002770R	D14 003012R
D2 000120R	D3 002552R	D3A 002604R
D3B 000134R	D3C 000152R	D3D 000142R
D3E 000164R	D3F 000174R	D30 003100R
D4 002612R	D4A 000212R	D5 002622R
D5A 003034R	D5AA 003050R	D5B 003056R
D5BA 003072R	D6 002654R	D7 002672R
D8 002710R	EBELL 011324R	EDITK1 006670R
EDITK2 006704R	EDTAB 003530R	ENDCMP 007276R
ENDTAB 007400R	ERRPRT= ***** G	ERR1 000426R
ERR2 000440R	ERR35 011062R	ESCO = ***** G
EXIT 000454R	EXIT1 000450R	FLGCK 000344R
FUNKEY= ***** G	GETB 002124R	GETC 002322R
GETCMD 006776R	GET1 002252R	GETLA 002272R
GET2 002300R	GIBELL= ***** G	GIBUSY 002410R
GICMD 003304RG	GIFLAG 003300RG	GIMBEL= ***** G
GISECD= ***** G	GITEST 002354R	GIIBEL= ***** G
GOTIT 007272R	GO1 003314R	GO1AA 002512R
GTCMD 002160R	GTCMDA 002222R	IFLAGX= ***** G
IFLAGY= ***** G	INBUF = ***** G	INPUTA= ***** G
INPUT1= ***** G	INPUT2= ***** G	KBEDIT= ***** G
K3FLAG 005474RG	K5FLAG 005476RG	LOCBUF= ***** G
LOCEND= ***** G	LOCUPD= ***** G	LOGBLK= ***** G
LOGBUF= ***** G	LOGFIL= ***** G	LOGOUT 006474R
LOGOV = ***** G	LOOKC1 006604R	LUFLAG 001226RG
LUIEND 001220RG	LUINPB 000774RG	LUINPP 001220RG
MESSP1= ***** G	MINUS1 011144R	MOVCI = ***** G
MOVC3 = ***** G	MOVC3X 004544RG	MOVC5 = ***** G
MOVC5X 004544RG	MOVER = ***** G	MOVP1 = ***** G
MTOUTP= ***** G	NEXTL0 005010R	NEXTL1 005012R
NEXT1 002504R	NOLOG = ***** G	NORMSN= ***** G
NOTEND 007044R	NOIPTR= ***** G	NO2PTR= ***** G
NTEND 002544R	NXTCMP 007254R	ONLINE 011316RG
OUT 005750R	OUT1 006000R	PC = 0000007
PDTADR= ***** G	PDTCL = ***** G	PDTU = ***** G
PDTCS = ***** G	PDTINP= ***** G	PDTK1 = ***** G
PDTK3 005456RG	PDTK5 005440RG	PDTU1 003746R
PDTP1 = ***** G	PEND 002460R	PRHS = ***** G
PRNORM= ***** G	PROCA 007216R	PROCAA 003366R
PROCB 003412R	PROCE 007246R	PROCES 007214R
PRTADR= ***** G	PRTPD= ***** G	PRTP1 006630R
PRTR1 005262R	PSWDFG= ***** G	PTR1 001726R
RAFLAG 001224RG	RAIEND 000770RG	RAINPB 000710RG

RAINPI 000772RG	RAINPP 000770RG	RAMLD= ***** G
RAMLD1= ***** G	RAMLD2= ***** G	RAMLOD= ***** G
RAMPRC= ***** G	REGREQ 006756R	RESULT= ***** G
RETN 001516R	RETNA 001474R	RLC"R2= ***** G
RLD1 = ***** G	RLD2 = ***** G	RLOADR= ***** G
RPLSAK= ***** G	RSTREG= ***** G	RTEST 001554RG
RTSTAT= ***** G	RT1 001640R	RT1A 001630R
RT2 001666R	RT3 001700R	RT4 001720R
R0 =%000000	R1 =%000001	R2 =%000002
R3 =%000003	R4 =%000004	R5 =%000005
SAVREG= ***** G	SCHED = ***** G	SCRAMB= ***** G
SESTAT= ***** G	SHOWIT= ***** G	SKADR 003352R
SKPADR 007.12R	SMFLAG 001222RG	SMIEND 000704RG
SMINPB 000464RG	SMINPI 000706RG	SMINPP 000704RG
SMUPD = ***** G	SP =%000006	SSPBUF= ***** G
SSPEND= ***** G	SUB06 = ***** G	SUB07 = ***** G
SUB10 = ***** G	SUB15 = ***** G	SUB26 = ***** G
SUB27 = ***** G	SUB29 = ***** G	SUB36 = ***** G
SUB37 = ***** G	SUB38 = ***** G	SUB41 011324R
SUB42 = ***** G	SUB44 = ***** G	SUB45 = ***** G
SUB52 011406R	SUB52E 011442R	SUB53 011444R
SUB53E 011500R	SUB54 011502R	SUB54E 011536R
SUB71 = ***** G	SUB72 = ***** G	SUB73 = ***** G
SUB74 011540R	SUB74A 011552R	SUB74B 011560R
SUB74C 011566R	SYSCMP 000310R	SYS"OP= ***** G
S106 = ***** G	S113 = ***** G	S123 = ***** G
S124 011360R	S124E 011404R	S125 = ***** G
S126 011566R	S126E 011606R	S127 011612R
S127A 011632R	S127E 011646R	S128 011652R
S128E 011710R	S129 011714R	S129E 011752R
S130 011756R	S130E 011776R	S13. 012002R
S131E 012034R	S136 = ***** G	S137 012040R
S137E 012.04R	S139E 012106R	S14. 012110R
S141A 012.24R	S141E 012130R	S200 = ***** G
S202 = ***** G	S203 = ***** G	S204 = ***** G
S205 = ***** G	S226 = ***** G	S400 003766RG
S400A 004310R	S400AA 004150R	S400AC 004060R
S400AX 004.20R	S400B 004500R	S400BA 004472R
S400BC 004472R	S400K3 004036R	S400K5 004310R
S401 = ***** G	S403 = ***** G	S404 004502R
S404A 004520R	S405 = ***** G	S405E 004540R
S407 = ***** G	S408 004560RG	S408A 004674R
S408B 004722R	S408X 004614R	S409W = ***** G
S409X = ***** G	S409Y = ***** G	S41. = ***** G
S412 = ***** G	S413 = ***** G	S414 = ***** G
S415 004736R	S415B 004756R	S415C 004762R
S415D 005002R	S415E 005006R	S416 005014R
S416A 005044R	S416AA 005062R	S416AB 005102R
S416AC 005.06R	S416B 005134R	S416BA 005226R
S416BB 005206R	S416BC 005222R	S416X 005030R
S416X1 005034R	S417 005336R	S417A 005402R
S417C 005436R	S418 = ***** G	S419 = ***** G
S419A = ***** G	S420 = ***** G	S42. = ***** G

S422 = ***** G	TA 000030R	TABC1 011070R
TABP1 011:24R	TCBELL= ***** G	TCBUSY 002434R
TCCMD 003310RG	TCFLAG 003302RG	TCMBEL= ***** G
TCD = ***** G	TCSECD= ***** G	TCTEST 002332R
TCIBEL= ***** G	TYCPR = ***** G	TYEDI = ***** G
T1 000042R	T2 000052R	UPDATE 002516R
USTAT 006006R	VALVID= ***** G	VCFLAG 000462RG
VCMPRC 000330RG	VEHCMD 001230RG	VEH: 001324R
VEH2 001400R	VEH2A 001414R	VEH3 001436R
VEH4 001370R	VEH6 001452R	VID = ***** G
VSTADR= ***** G	...V2 = 000001	
. ABS. 000000 000		
012:32 001		

ERRORS DETECTED: 0
FREE CORE: 15439. WORDS

.LP:/C:=DSPCHR.MAC

	1-194	1-194#	1-198	1-198#	1-202	1-202#	1-304
	1-304#	1-649	1-649#	1-651	1-651#	1-653	1-653#
	1-655	1-655#	1-657	1-657#	1-659	1-659#	1-662
	1-662#	1-665	1-665#	1-666	1-666#	1-667	1-667#
	1-668	1-668#	1-669	1-669#	1-670	1-670#	1-673
	1-673#	1-674	1-674#	1-677	1-677#	1-689	1-689#
	1-690	1-690#	1-691	1-691#	1-692	1-692#	1-693
	1-693#	1-694	1-694#	1-764	1-764#	1-795	1-795#
	1-818	1-818#	1-<97	1-<97#	1-<99	1-<99#	1-=07
	1-=07#	1-=16	1-=16#	1-=22	1-=22#	1-=28	1-=28#
	1-=38	1-=38#	1-=47	1-=47#	1-=64	1-=64#	1-=77
	1-=77#	1-=88	1-=88#	1-=95	1-=95#	1-=98	1-=98#
	1->08	1->08#	1->18	1->18#	1->28	1->28#	1->33
	1->33#	1->36	1->36#	1->39	1->39#	1->48	1->48#
	1->60	1->60#	1->73	1->73#	1->85	1->85#	1->90
	1->90#	1-700	1-700#	1-713	1-713#	1-721	1-721#
	1-732	1-732#	1-741	1-741#	1-751	1-751#	1-752
	1-752#	1-753	1-753#	1-754	1-754#	1-755	1-755#
	1-758	1-758#	1-767	1-767#	1-771	1-771#	1-775
	1-775#	1-001	1-001#	1-005	1-005#	1-083	1-083#
...V1	1-190	1-197	1-100				
...V2	1-25#	1-395#	1-961#	1-180#	1-118#		
A	1-465#	1-470					
A1	1-974	1-978#					
A2	1-981	1-985#					
A2A	1-989	1-994#					
A3	1-997	1-999	1-114#				
A32CTR	1-411#	1-704#	1-782*	1-784*			
A4	1-101	1-119#					
A5	1-103	1-124#					
A6	1-105	1-129#					
A7	1-107	1-139#					
A7A	1-115	1-141#					
ACEND	1-966#	1-149	1-165#				
ACINPB	1-966#	1-979	1-148	1-164#			
ACINPI	1-973	1-978	1-146*	1-147	1-151*	1-167#	
ACINPP	1-966#	1-973	1-166#				
ADDRES	1-405#	1-591*	1-599*	1-606	1-608	1-610	1-612*
	1-796*	1-944*	1-139#	1-<18*	1-<26*	1-<43	1-<49*
	1-A75*	1-A76	1-A77*	1-A78			
AINPUT	1-966#	1-995*	1-158	1-170#			
ALCPRC	1-31#	1-65	1-965#	1-971#			
ALFLAG	1-32#	1-47	1-63	1-66*	1-966#	1-169#	
ALSTAT	1-126#	1-789	1-790				
AREA	1-190	1-197	1-108#				
AVSTAT	1-966#	1-994*	1-157	1-168#			
B32CTR	1-411#	1-705#	1-751*	1-753*			
BASECD	1-132#	1-178	1-181	1-965#	1-975	1-982	1-991
	1-108	1-105					
BASERR	1-189*	1-192*	1-106#				
BELL	1-194	1-195	1-004#				
BELLC1	1-154	1-190#					
BSCMD1	1-990*	1-992#					
BSCTRL	1-31#	1-70	1-125#	1-144#			
BSND	1-125#	1-<13	1-001#				
BSFLAG	1-32#	1-50	1-68	1-125#	1-145	1-147	1-149

	1-;51	1-;53	1-;55	1-;58*	1-;70*	1-;81*	1-;85*
BSINPB	1-;90*	1-;04*	1-;17*	1-797#			
BSINPI	1-;25#	1-;07	1-;08	1-;12	1-000#		
BSINPP	1-;02	1-;06	1-;16*	1-798#			
BSRET	1-;25#	1-;02	1-799#				
	1-;57	1-;61	1-;66	1-;68	1-;72	1-;77	1-;79
	1-;83	1-;87	1-;89	1-;92	1-;97	1-;05	1-;39#
BSRQST	1-;22#	1-002#					
C1	1-382	1-384#					
CALL1	1-;56	1-164#					
CALL2	1-;58	1-168#					
CALL3	1-;60	1-172#					
CBELL	1-;40#	1-004					
CBUFR	1-257	1-263	1-348#				
CBUFR1	1-352#	1-356					
CBUFR2	1-353	1-355#					
CBUFR3	1-360#	1-364					
CBUFR4	1-361	1-363#					
CDTAB	1-596	1-616#					
CHOME	1-;41#	1-004	1-082	1-082			
CKSTRT	1-;51#						
CLEAR	1-;42#	1-082					
CMD1	1-;65	1-;99#					
CMD10	1-;71	1-;95#					
CMD11	1-;72	1-;98#					
CMD12	1-;73	1-;08#					
CMD13	1-;74	1-;18#					
CMD14	1-;75	1-;28#					
CMD15	1-;30	1-;33#					
CMD16	1-;76	1-;36#					
CMD17	1-;77	1-;39#					
CMD18	1-;78	1-;48#					
CMD18A	1-;53	1-;55#					
CMD19	1-;79	1-;60#					
CMD19A	1-;64	1-;67#					
CMD2	1-;66	1-;07#					
CMD20	1-;80	1-;73#					
CMD20A	1-;77	1-;80#					
CMD21	1-;81	1-;85#					
CMD22	1-;82	1-;90#					
CMD23	1-;83	1-700#					
CMD23A	1-704	1-707#					
CMD24	1-;84	1-713#					
CMD25	1-;85	1-721#					
CMD26	1-;86	1-732#					
CMD27	1-;87	1-741#					
CMD28	1-;88	1-751#					
CMD29	1-;89	1-752#					
CMD2A	1-;13	1-;16#					
CMD3	1-;11	1-;22#					
CMD30	1-;90	1-753#					
CMD31	1-;91	1-754#					
CMD32	1-;92	1-755#					
CMD33	1-;93	1-758#					
CMD34	1-;94	1-767#					
CMD35	1-;95	1-771#					
CMD36	1-;96	1-775#					

CMD36A	1-269	1-273	1-277#				
CMD4	1-267	1-28#					
CMD5	1-268	1-38#					
CMD6	1-269	1-47#					
CMD6A	1-254	1-58#					
CMD7	1-251	1-64#					
CMD7A	1-267	1-71#					
CMD8	1-270	1-77#					
CMD9	1-280	1-88#					
CMDBUF	1-373#	1-379	1-387#				
CMDD1	1-616	1-651#					
CMDD10	1-625	1-668#					
CMDD11	1-626	1-669#					
CMDD12	1-627	1-670#					
CMDD13	1-628	1-673#					
CMDD14	1-629	1-674#					
CMDD15	1-630	1-677#					
CMDD16	1-631	1-680#					
CMDD17	1-632	1-681#					
CMDD18	1-633	1-682#					
CMDD19	1-634	1-683#					
CMDD2	1-617	1-653#					
CMDD20	1-635	1-684#					
CMDD21	1-636	1-685#					
CMDD22	1-637	1-686#					
CMDD23	1-638	1-687#					
CMDD24	1-639	1-688#					
CMDD25	1-640	1-695#					
CMDD26	1-641	1-689#					
CMDD27	1-642	1-690#					
CMDD28	1-643	1-691#					
CMDD29	1-644	1-692#					
CMDD3	1-618	1-655#					
CMDD30	1-645	1-693#					
CMDD31	1-646	1-694#					
CMDD32	1-647	1-696#					
CMDD33	1-648	1-697#					
CMDD4	1-619	1-657#					
CMDD5	1-620	1-659#					
CMDD6	1-621	1-662#					
CMDD7	1-622	1-665#					
CMDD8	1-623	1-666#					
CMDD9	1-624	1-667#					
CMDQ	1-373#	1-376#					
CMDSW1	1-233#	1-281					
CMDTAB	1-223	1-265#					
CMDWD1	1-239#	1-287#					
CMDWD2	1-239#	1-288#	1-219	1-768	1-772	1-776	
CMDWDA	1-404#	1-436#	1-443	1-460	1-478*	1-483*	1-486
	1-699#	1-711	1-725	1-728	1-733	1-932	
CMDWDB	1-404#	1-437*	1-438	1-449	1-451	1-464	1-469
	1-479*	1-484*	1-487	1-592	1-700*	1-729	1-734
	1-756	1-787					
CMDWDC	1-404#	1-701#					
CMDWDG	1-409#	1-469*	1-702#				
CMDWDT	1-409#	1-464*	1-703#				
COMPAR	1-264	1-275	1-255#				

COUEND	1-233#	1-294	1-304#	1-373#	1-381		
COUTB	1-233#	1-245	1-303#	1-373#	1-378		
COUTP	1-233#	1-243	1-305#	1-373#	1-377	1-380*	1-383*
COUTPI	1-243	1-246	1-292*	1-296*	1-306#		
D0	1-43	1-54	1-59#				
D1	1-49	1-60	1-63#				
D11	1-538	1-541#					
D12	1-542	1-546#					
D13	1-547	1-550#					
D14	1-551	1-555#					
D2	1-52	1-64	1-68#				
D3	1-416	1-508#					
D3A	1-516#	1-520					
D3B	1-55	1-69	1-72#				
D3C	1-73	1-77#					
D3D	1-74#	1-79					
D3E	1-75	1-80#					
D3F	1-41	1-76	1-82#				
D3D	1-517	1-545	1-554	1-556	1-559	1-564	1-569
	1-570#						
D4	1-515	1-518#					
D4A	1-46	1-83	1-86#				
D5	1-519	1-521#					
D5A	1-522	1-528	1-536	1-560#			
D5AA	1-561	1-563#					
D5B	1-524	1-532	1-540	1-565#			
D5BA	1-566	1-568#					
D6	1-526	1-529#					
D7	1-530	1-533#					
D8	1-534	1-537#					
DFLAGG	1-72	1-78*	1-408#	1-473*	1-575#	1-730*	
DFLAGT	1-74	1-81*	1-408#	1-471*	1-576#	1-735*	
DFLGG1	1-403#	1-567*	1-761*	1-762*	1-937		
DFLGT1	1-403#	1-562*	1-792*	1-793*	1-934		
DISADR	1-403#	1-722*	1-766*	1-137#	1-130*	1-076	
DISPC1	1-148	1-158#					
DLERR	1-191	1-198	1-103#				
DLFLAG	1-32#	1-44	1-86	1-89*	1-184#	1-110#	
DLOUT	1-187	1-102#					
DLOUT1	1-100#	1-107					
DLWRIT	1-195	1-197#					
DRCS	1-236#	1-240					
DROUT	1-237#	1-291*					
DRVALM	1-967#	1-114	1-140				
DSCMD1	1-406#	1-772	1-806				
DSCMD2	1-406#	1-741	1-803				
DSCOMP	1-33#	1-91	1-106*				
DSCTRG	1-77	1-408#	1-421#				
DSCTRL	1-31#	1-84	1-399#	1-413#			
DSCRTT	1-80	1-408#	1-417#				
DSEDK3	1-402#	1-697	1-893				
DSEDK5	1-402#	1-696	1-895				
DSEND	1-399#	1-500	1-579#				
DSFLAG	1-32#	1-40	1-53	1-82	1-85*	1-99	1-399#
	1-414	1-430*	1-431	1-433*	1-510	1-512	1-544*
	1-549*	1-553*	1-558*	1-577#			
DSFLG1	1-401#	1-582#	1-780				

DSFLG2	1-401#	1-583#	1-749				
DSFLG3	1-405#	1-584#					
DSFLG4	1-405#	1-585#					
DSFLG7	1-401#	1-778					
DSFLG8	1-401#	1-747					
DSFMTR	1-406#	1-842	1-915				
DSINPB	1-399#	1-436	1-437	1-499	1-578#		
DSINPI	1-428	1-435	1-496	1-503*	1-581#		
DSINPP	1-399#	1-428	1-580#				
DSPCH1	1-31#	1-35#	1-62	1-67	1-71	1-90	1-92
	1-104	1-108					
DSPCH2		1-87					
DSPCMD	1-408#	1-409#	1-489				
DSRET	1-420	1-424	1-432	1-434	1-442	1-454	1-472
	1-474#	1-491	1-614				
DSRETA	1-607	1-609	1-614#				
DSRETB	1-473#	1-477					
DSRETC	1-471#	1-482					
DSTOP	1-94	1-96	1-98	1-100	1-103#		
DTALOG	1-31#	1-88	1-184#	1-186#			
EBELL	1-195	1-005#					
EDITK1	1-150	1-181#					
EDITK2	1-152	1-185#					
EDTAB	1-597	1-649#					
ENDCMP	1-157	1-163#					
ENDTAB	1-124	1-197#					
ERR1	1-152	1-153	1-178#				
ERR2	1-161	1-181#					
ERR35	1-591	1-118	1-783#				
ERRPRT	1-137#	1-131*					
ESCO	1-409#	1-759	1-790				
EXIT	1-187#						
EXIT1	1-166	1-170	1-174	1-180	1-186#		
FLGCK	1-155#						
FUNKEY	1-138#	1-134*	1-117	1-156	1-167	1-180	1-195
	1-707	1-177					
GET1	1-449#	1-458					
GET1A	1-446	1-453#	1-456				
GET2	1-444	1-455#					
GETB	1-415	1-428#					
GETC	1-448	1-450	1-452	1-459	1-460#		
GETCMD	1-103	1-106#					
GIBEL	1-407#	1-743	1-906*				
GIBELL	1-138#	1-194*					
GIBUSY	1-423	1-476#					
GICMD	1-402#	1-476	1-478	1-479	1-588#	1-728*	1-729*
GIFLAG	1-404#	1-422	1-467	1-586#	1-727*		
GIMBEL	1-407#	1-907*					
GISECD	1-133#	1-270	1-271				
GITEST	1-461	1-467#					
GO1	1-492	1-591#					
GO1AA	1-466	1-480	1-485	1-492#			
GOTIT	1-159	1-162#					
GTCMD	1-429	1-435#					
GTCMDA	1-439	1-443#					
IFLAGX	1-399#	1-776					
IFLAGY	1-399#	1-745					

INBUF	1-132#	1-314					
INPUT1	1-409#	1-886					
INPUT2	1-409#	1-889					
INPUTA	1-234#	1-288*	1-289*				
K3FLAG	1-400#	1-949#					
K5FLAG	1-400#	1-950#					
KBEDIT	1-127#	1-82					
LOCBUF	1-234#	1-348					
LOCEND	1-234#	1-355					
LOCUPD	1-131#	1-164					
LOGBLK	1-184#	1-197	1-199*				
LOGBUF	1-184#	1-193	1-194	1-194	1-196		
LOGFIL	1-184#	1-190					
LOGOUT	1-193*	1-196*	1-197	1-199#			
LOGOV	1-234#	1-290					
LOOKC1	1-160	1-162#					
LUFLAG	1-93	1-129#	1-155	1-165*	1-206#		
LUIEND	1-130#	1-202#					
LUIINPB	1-130#	1-201#					
LUIINPP	1-130#	1-203#					
MESSP1	1-124#	1-131					
MINUS1	1-102	1-124	1-131	1-133	1-142	1-159	1-172
	1-103	1-191	1-103	1-113	1-123	1-143	1-1716
	1-124	1-127	1-136	1-145	1-163	1-196#	
MOVCI	1-124#	1-193	1-128	1-130			
MOVCI3	1-408#	1-722	1-758				
MOVCI3X	1-409#	1-819#					
MOVCI5	1-408#	1-766	1-789				
MOVCI5X	1-409#	1-818#					
MOVER	1-137#	1-128*					
MOVPI	1-124#	1-132					
MTOUTP	1-33#	1-105					
NEXT1	1-486*	1-487*	1-490#				
NEXTL0	1-863*	1-869*	1-871#	1-882			
NEXTL1	1-861*	1-867*	1-872#	1-880			
NO1PTR	1-402#	1-527*	1-535*				
NO2PTR	1-402#	1-531*	1-539*				
NOLOG	1-184#	1-186	1-103*				
NORMSN	1-967#	1-139					
NOTEND	1-114	1-116#					
NTEND	1-501	1-503#					
NXTCMP	1-156#	1-161					
ONLINE	1-123#	1-159	1-171	1-186	1-191	1-203#	
OUT	1-984	1-993	1-110	1-120	1-125	1-130	1-142
	1-146#						
OUT1	1-977	1-150	1-152#				
PDTADR	1-403#	1-721*	1-723	1-765*	1-767	1-896	1-917
	1-933*	1-938*	1-941	1-137#	1-127*	1-212	1-226
	1-236	1-249	1-262				
PDTCT	1-130#	1-162	1-127	1-103	1-114	1-125	1-134
	1-143	1-155	1-160	1-173	1-184	1-192	1-204
	1-214	1-224	1-244	1-254	1-265	1-278	1-286
	1-205	1-217	1-228	1-237	1-247	1-264	
PDTCT3	1-408#	1-455	1-457	1-565	1-721	1-760*	1-839
	1-938						
PDTCT5	1-408#	1-445	1-447	1-560	1-765	1-791*	1-846
	1-933						

PDTINP	1-;37#	1-<33*					
PDTK1	1-;30#	1-<33					
PDTK3	1-400#	1-948#					
PDTK5	1-400#	1-947#					
PDTOUT	1-698#						
PDTP1	1-;30#	1-;73	1-<29	1-=18	1->57	1->68	1->81
	1->96	1-708	1-780				
PEND	1-463	1-468	1-486#				
PRHIST	1-;28#	1-793					
PRNORM	1-;28#	1-792					
PROCA	1-<43#	1-<50					
PROCAA	1-606#	1-613					
PROCS	1-612#						
PROCE	1-<45	1-<47	1-<5;#				
PROCES	1-<38	1-<42#					
PRTADR	1-;37#	1-<32*					
PRTPI	1-;56	1-;70#					
PRTPT	1-;37#	1-<29*					
PRTR1	1-916	1-923#					
PSWDFG	1-403#	1-909*	1-912*				
PTR1	1-316*	1-338	1-343#				
RAFLAG	1-97	1-129#	1-159	1-173*	1-205#		
RAIEND	1-;31#	1-198#					
RAINPB	1-;30#	1-197#					
RAINPI	1-;29#	1-200#					
RAINPP	1-;29#	1-199#					
RAMLD1	1-400#	1-563					
RAMLD2	1-400#	1-568					
RAMLDD	1-400#	1-516					
RAMLOD	1-;32#	1-311*	1-312*	1-313*	1-322	1-325	1-335
RAMPRC	1-;31#	1-172					
REGREQ	1-;46	1-<01#					
RESULT	1-;39#	1-025*	1-029*	1-037*	1-042*	1-050*	1-055*
	1-063*	1-068*	1-09;.	1-A03	1-A17	1-A21	1-A33
	1-A37	1-A49	1-A6;.	1-A64	1-A74*	1-A82*	
RETN	1-241	1-244	1-295	1-298#			
RETNA	1-256	1-292#					
RLCTR2	1-233#	1-249					
RLD1	1-406#	1-847	1-903				
RLD2	1-406#	1-840	1-908				
RLOADR	1-967#	1-;29					
RPLSAK	1-967#	1-;19					
RSTREG	1-;28#	1-187	1-233#	1-298	1-374#	1-965#	1-;52
RT1	1-323#	1-326					
RT1A	1-319	1-321#					
RT2	1-328	1-330#					
RT3	1-331	1-333#	1-336				
RT4	1-324	1-334	1-338#				
RTEST	1-;32#	1-311#					
RTSTAT	1-;26#	1-787	1-788				
S106	1-;35#	1-A16	1-A32				
S113	1-;35#	1-A20	1-A36				
S123	1-;36#	1-=00	1-=08	1-=29	1-=39	1-=48	1-=78
	1-=99	1->09	1->19	1->40	1->49	1->61	1->74
	1->93	1-701	1-714	1-722	1-725	1-733	1-742
	1-760	1-778					
S124	1-025#	1-A02					

S124E	1-028	1-030#					
S125	1-136#	1-A19	1-A35				
S126	1-001	1-023	1-002	1-042	1-052	1-063	1-703
	1-762	1-089#					
S126E	1-092	1-094#					
S127	1-012	1-030	1-053	1-066	1-082	1-090	1-715
	1-723	1-090	1-A01#	1-A48	1-A60		
S127A	1-A06#						
S127E	1-A04	1-A08#					
S128	1-058	1-071	1-093	1-A15#	1-A63		
S128E	1-A18	1-A22	1-A24#				
S129	1-A31#	1-A51	1-A66				
S129E	1-A34	1-A38	1-A40#				
S130	1-012	1-735	1-744	1-A47#			
S130E	1-A50	1-A52#					
S131	1-041	1-022	1-076	1-A59#			
S131E	1-A62	1-A65	1-A67#				
S136	1-136#	1-746					
S137	1-032	1-726	1-A74#				
S137E	1-A81	1-A83#					
S139E	1-A85#						
S141	1-070	1-710	1-A90#				
S141A	1-A91	1-A94#					
S141E	1-A93	1-A95#					
S200	1-406#	1-695					
S202	1-404#	1-543					
S203	1-404#	1-548					
S204	1-405#	1-552					
S205	1-405#	1-557					
S226	1-406#						
S400	1-403#	1-660	1-671	1-675	1-678	1-680	1-681
	1-682	1-683	1-684	1-687	1-711#		
S400A	1-719	1-765#					
S400AA	1-724	1-737#					
S400AC	1-725#	1-738	1-740	1-742	1-744	1-746	1-748
	1-750	1-752	1-763	1-769	1-771	1-773	1-775
	1-777	1-779	1-781	1-783	1-794	1-945	
S400AX	1-726	1-732#					
S400B	1-731	1-736	1-797#				
S400BA	1-755	1-757	1-786	1-788	1-796#		
S400BC	1-795#						
S400K3	1-697	1-721#					
S400K5	1-696	1-764#					
S401	1-410#	1-680					
S403	1-410#	1-671					
S404	1-803#	1-920					
S404A	1-805	1-807#					
S405	1-411#	1-682					
S405E	1-812#						
S407	1-410#	1-681					
S408	1-409#	1-824#					
S408A	1-819*	1-824*	1-836*	1-837*	1-841*	1-843*	
S408B	1-845	1-848#					
S408X	1-823	1-831#					
S409W	1-410#	1-671					
S409X	1-410#	1-675					
S409Y	1-410#	1-660					

S411	1-410#	1-675					
S412	1-410#	1-684					
S413	1-410#	1-675					
S414	1-411#	1-864					
S415	1-685	1-858#					
S415B	1-860	1-863#					
S415C	1-862	1-864#	1-885				
S415D	1-866	1-869#					
S415E	1-868	1-870#					
S416	1-686	1-878#					
S416A	1-688	1-886#					
S416AA	1-888	1-890#					
S416AB	1-892	1-895#					
S416AC	1-894	1-896#					
S416B	1-884	1-901#					
S416BA	1-901*	1-910*	1-916#				
S416BB	1-905	1-912#					
S416BC	1-911	1-915#					
S416X	1-879	1-882#					
S416X1	1-881	1-883#					
S417	1-685	1-686	1-688	1-931#			
S417A	1-936	1-939#					
S417C	1-943	1-946#					
S418	1-411#	1-660					
S419	1-411#	1-683					
S419A	1-411#	1-682	1-687	1-899			
S420	1-411#	1-687					
S421	1-411#	1-678					
S422	1-411#	1-440					
SAVREG	1-128#	1-135	1-233#	1-239	1-374#	1-965#	1-972
SCHED	1-407#	1-902*	1-184#	1-188*	1-184*		
SCRAMB	1-967#	1-124					
SESTAT	1-126#	1-785	1-786				
SHOWIT	1-129#	1-109					
SKADR	1-594	1-598	1-600#				
SKPADR	1-121	1-125	1-127#				
SMFLAG	1-95	1-129#	1-157	1-169*	1-204#		
SMIEND	1-131#	1-194#					
SMINPB	1-130#	1-193#					
SMINPI	1-129#	1-196#					
SMINPP	1-129#	1-195#					
SMUPD	1-131#	1-168					
SSPBUF	1-234#	1-359					
SSPEND	1-234#	1-363					
SUB06	1-131#	1-11					
SUB07	1-131#	1-102	1-113	1-124	1-131	1-133	1-142
	1-151	1-154	1-159	1-167	1-172	1-180	1-183
	1-191	1-193	1-193	1-193	1-193	1-193	1-193
	1-164	1-177	1-184	1-186	1-184	1-187	1-186
	1-145	1-163					
SUB10	1-131#	1-169	1-173				
SUB15	1-131#	1-117	1-156	1-167	1-180	1-195	1-187
	1-168	1-172	1-176	1-177			
SUB26	1-132#	1-103	1-114	1-134	1-155	1-184	1-192
	1-117	1-128					
SUB27	1-132#	1-160	1-173	1-186			
SUB29	1-132#	1-104	1-115	1-119	1-126	1-135	1-144

	1-56	1-61	1-74	1-85	1-93	1-105	1-115
	1-125	1-145	1-151	1-155	1-166	1-169	1-179
	1-182	1-197	1-206	1-209	1-218	1-229	1-238
	1-248	1-265	1-281				
SUB36	1-133#	1-109	1-140	1-149	1-100	1-110	1-120
	1-141	1-150	1-162	1-175	1-194	1-202	1-234
	1-243	1-261	1-279				
SUB37	1-133#	1-110	1-150	1-179	1-229		
SUB38	1-133#	1-118	1-157	1-168	1-181	1-196	1-208
	1-280						
SUB41	1-169	1-112#					
SUB42	1-134#	1-125	1-143	1-104	1-114	1-124	1-144
	1-154	1-165	1-178	1-205	1-237	1-247	1-264
SUB44	1-134#	1-191					
SUB45	1-134#	1-192					
SUB52	1-136#	1-105					
SUB52E	1-139	1-141	1-143#				
SUB53	1-149#	1-123					
SUB53E	1-152	1-154	1-156#				
SUB54	1-162#	1-139					
SUB54E	1-165	1-167	1-169#				
SUB71	1-103#	1-135#	1-152	1-165	1-181	1-189	1-196
	1-101	1-111	1-121	1-131	1-134	1-137	1-187
	1-283						
SUB72	1-135#						
SUB73	1-135#	1-256					
SUB74	1-168	1-175#					
SUB74A	1-179#						
SUB74B	1-177	1-178	1-182#				
SUB74C	1-178	1-183#					
SYSCMP	1-102	1-105#					
SYSTOP	1-133#	1-101	1-103*	1-107*			
T1	1-148	1-150#					
T2	1-151	1-153#					
TA	1-145	1-147#					
TABC1	1-163	1-285#					
TABP1	1-174	1-292#					
TC1BEL	1-107#	1-274	1-213*				
TCBELL	1-138#	1-192*					
TCBUSY	1-119	1-181#					
TCCMD	1-102#	1-181	1-183	1-184	1-189#	1-233*	1-234*
TCFLAG	1-104#	1-118	1-162	1-187#	1-232*		
TCMBEL	1-107#	1-214*					
TCO	1-104#	1-101*	1-217*	1-220*	1-104	1-109	1-141
	1-144	1-159	1-165	1-178	1-187	1-191	1-204
	1-231*	1-232*	1-235	1-138#	1-236*	1-106*	1-190
TCSECD	1-133#	1-267	1-268				
TCTEST	1-162#						
TYCPR	1-128#	1-294					
TYEDIT	1-127#	1-188					
UPDATE	1-141	1-153	1-165	1-188	1-196#		
USTAT	1-141	1-157#					
VALVID	1-102#	1-214	1-265#	1-287			
VCFLAG	1-132#	1-142	1-159	1-128#	1-151	1-186*	1-192#
VCMPRC	1-131#	1-161	1-128#	1-135#			
VEH1	1-250	1-254	1-258#				
VEH2	1-269	1-272#					

VEH2A	1-273	1-277#					
VEH3	1-275	1-283#					
VEH4	1-266	1-270#					
VEH6	1-262	1-276	1-280	1-282	1-287#		
VEHCMD	1-233#	1-239#	1-373#				
VID	1-404#	1-600*	1-711*	1-713	1-808	1-:38#	1-<35*
	1-027						
VSTADR	1-404#	1-602*	1-712*	1-715*	1-:38#	1-<37*	1-A07*
	1-A79						

...CM1	1-25#	1-395#	1-96#	1-:80#	1-:90	1-:97	1-:18#
...CM2	1-25#	1-395#	1-96#	1-:80#	1-:90	1-:97	1-:97
	1-:97	1-:97	1-:18#				
...CM3	1-25#	1-395#	1-96#	1-:80#	1-:80	1-:18#	
...CM4	1-25#	1-395#	1-96#	1-:80#	1-:97	1-:18#	
...V2..	1-24#	1-25	1-394#	1-395	1-960#	1-961	1-:79#
	1-:80	1-:17#	1-:18				
.CLOSE	1-:79#	1-:00					
.LOOKU	1-:79#	1-:90					
.REGDE	1-24#	1-26	1-394#	1-396	1-960#	1-962	1-:79#
	1-:81	1-:17#	1-:19				
.SRESE	1-:79#	1-:01					
.WRITW	1-:79#	1-:97					


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1      .TITLE DSUBS2
2      ;
3      ; SUBROUTINES & SUB-PROCESSES
4      ;
5      .MCALL ..V2....REGDEF
6 000000 ..V2...
7 000000 .REGDEF
8      .NLIST BEX
9      ;
10     017000 CHOME = 17000
11     ;
12     .GLOBL SPEEND,SPDEND,LNGVST,VSTAT,VEHQUE,SPVEHD
13     .GLOBL GIBELL,TCBELL,SPVEHE,VSTEND
14     .GLOBL TTYBUF,BSFLAG,BASECD,CMD0,VEHQUE,CMDBUF
15     .GLOBL MOVER,PDTADR,PRTPT,DISADR,ERRPRT,PRTADR,PDTINP
16     .GLOBL RETADR,FUNKEY,VID,VSTADR,TCO,INPUT,ICHARS
17     .GLOBL RESULT,ADDRES,CMDWD1,CMDWD2,THREE,RXTAB,RTAB,TYETAB
18     .GLOBL PDTCT1,BUFK2,BUFFER,DEVICE,PDTK1,PDTK2
19     .GLOBL DEVTAB,BSPASS,DELTA,RAVCOM,RBUFF,PDTCLR,PDTSET
20     .GLOBL VVV,VVVX,YY,T,BLK
21     .GLOBL SUB06,SUB07,SUB10,SUB15,SUB20,SUB25,SUB27
22     .GLOBL SUB26,SUB29,SUB33,SUB34,SUB35,SUB36,SUB37
23     .GLOBL SUB38,SUB42,SUB44,SUB45,SUB46
24     .GLOBL SUB60,SUB61,SUB71,SUB72,SUB73
25     .GLOBL S105,S106,S112,S113,S115,S118,S121,S123,S125,S127,S128
26     .GLOBL S133,S135,S136,S139
27     .GLOBL SENSOR,VALVID,FNDBUF,ASC2BN,RLSBUF,WTVREF,VALNO,GTVREF
28     .GLOBL SSPBUF,SSPEND,LOCBUF,LOCEND,MILBUF,MILEND
29     .GLOBL RLD1,RLD2,CRFLG1,CRFLG2,NO1PTR,NO2PTR,HEADR1
30     .GLOBL ANSWER,M,SHOWIT
31     ;
32     ;*****
33     ; SUB-PROCESS 06      TRANSFER TO ANOTHER TABLE IF RESULT = 0
34     ;*****
35 00000 062767 SUB06: ADD #2,ADDRES
36 00006 005767      TST RESULT
37 00012 001006      BNE SUB06E
38 00014 017700      MOV @ADDRES,R0
39 00020 005300      DEC R0
40 00022 005300      DEC R0
41 00024 010067      MOV R0,ADDRES
42 00030 000205 SUB06E: RTS R5
43     ;
44     ;*****
45     ; SUB-PROCESS 07      TRANSFER TO ANOTHER TABLE IF RESULT NOT 0
46     ;*****
47     ;
48 00032 062767 SUB07: ADD #2,ADDRES
49 00040 005767      TST RESULT
50 00044 001406      BEQ SUB07E
51 00046 017700      MOV @ADDRES,R0
52 00052 005300      DEC R0
53 00054 005300      DEC R0

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54 00056 010067      MOV      R0,ADDRESS
55 00062 000205 SUB07E: RTS      R5
56                      ;*****
57                      ; SUB-PROCESS 10      UNCONDITIONAL TABLE TRANSFER
58                      ;*****
59                      ;
60 00064 062767 SUB10:  ADD      #2,ADDRESS
61 00072 005000      CLR      R0
62 00074 005760 SUB10A: TST      RETADR(R0)      ;SAVE ADDRESS IN FIRST ZERO
63 00100 001405      BEQ      SUB10B      ; ENTRY IN RETADR
64 00102 005200      INC      R0
65 00104 005200      INC      R0
66 00106 020027      CMP      R0,#20.
67 00112 100770      BMI      SUB10A
68 00114 016760 SUB10B: MOV      ADDRESS,RETADR(R0)
69 00122 017700      MOV      @ADDRESS,R0
70 00126 005300      DEC      R0
71 00130 005300      DEC      R0
72 00132 010067      MOV      R0,ADDRESS
73 00136 000205 SUB10E: RTS      R5
74                      ;
75                      ;*****
76                      ; SUB-PROCESS 15      SET DESTINATION TO VALUE
77                      ;*****
78                      ;
79 00140 016700 SUB15:  MOV      ADDRESS,R0
80 00144 016001      MOV      2(R0),R1
81 00150 062767      ADD      #4,ADDRESS
82 00156 017711      MOV      @ADDRESS,(R1)
83 00162 000205      RTS      R5
84                      ;
85                      ;*****
86                      ; SUB-PROCESS 20      MOVE & CONVERT VEHICLE # (ASCII-BINARY)
87                      ;*****
88                      ;
89 00164 062767 SUB20:  ADD      #2,ADDRESS
90 00172 017701      MOV      @ADDRESS,R1      ;OFFSET IN 'INPUT'
91 00176 116167      MOVB     INPUT(R1),TTYBUF      ;TRANSFER TO TTYBUF
92 00204 116167      MOVB     INPUT+1(R1),TTYBUF+1
93 00212 116167      MOVB     INPUT+2(R1),TTYBUF+2
94 00220 112767      MOVB     #15,TTYBUF+3      ;INSERT 'CR'
95 00226 016767      MOV      TTYBUF,VVV
96 00234 116767      MOVB     TTYBUF+2,VVV+2      ;SAVE IN 'VVV'
97 00242 010546      MOV      R5,-(SP)      ;SAVE R5
98 00244 005004      CLR      R4
99 00246 005067      CLR      RESULT
100 0252 004567      JSR      R5,ASC2BN
101 0256 000401      BR       SUB20A      ;NORMAL RETURN
102 0260 000403      BR       SUB20B      ;ERROR RETURN
103 0262 010367 SUB20A: MOV      R3,VNO      ;SAVE BINARY VEH # IN VNO
104 0266 000405      BR       SUB20E
105 0270 012767 SUB20B: MOV      #-1,VNO      ;SST INVALID
106 0276 005267      INC      RESULT

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107 0302 012605 SUB20E: MOV      (SP)+,R5
108 0304 000205      RTS      R5
109      ;*****
110      ; SUB-PROCESS 25      GET VEH ID FROM VSTAT ENTRY
111      ;*****
112      ;
113 0306 016700 SUB25:  MOV      VSTADR,R0
114 0312 111067      MOVB     (R0),VID
115 0316 000205      RTS      R5
116      ;
117      ;*****
118      ; SUB-PROCESS 26      SETUP BITS TO SET IN PDT STATUS WORD
119      ;*****
120      ;
121 0320 016700 SUB26:  MOV      ADDRES,R0
122 0324 062767      ADD      #4,ADDRES
123 0332 016001      MOV      2(R0),R1
124 0336 056011      BIS      4(R0),(R1)
125 0342 000205      RTS      R5
126      ;
127      ;*****
128      ; SUB-PROCESS 27      SETUP BITS TO RESET IN PST STATUS WORD
129      ;*****
130      ;
131 0344 016700 SUB27:  MOV      ADDRES,R0
132 0350 062767      ADD      #4,ADDRES
133 0356 016001      MOV      2(R0),R1
134 0362 046011      BIC      4(R0),(R1)
135 0366 000205      RTS      R5
136      ;
137      ;*****
138      ; SUB-PROCESS 29      SETUP 'BSFLAG'
139      ;*****
140      ;
141 0370 062767 SUB29:  ADD      #2,ADDRES
142 0376 057767      BIS      @ADDRES,BSFLAG
143 0404 000205      RTS      R5
144      ;
145      ;*****
146      ; SUB-PROCESS 33      GET ROUTE(S) & CO FROM INPUT
147      ;*****
148      ;
149 0406 005067 SUB33:  CLR      RESULT
150 0412 005067      CLR      ROUTE1
151 0416 005067      CLR      ROUTE1+2
152 0422 005067      CLR      ROUTE2
153 0426 005067      CLR      ROUTE2+2
154 0432 012767      MOV      #-1,TCO
155 0440 022767      CMP      #7,ICHARS
156 0446 001412      BEQ      SUB33A
157 0450 022767      CMP      #11,ICHARS
158 0456 001032      BNE      SUB33D
159 0460 016767      MOV      INPUT+6,ROUTE2

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160 0466 116767      MOV      INPUT+8.,ROUTE2+2
161 0474 016767 SUB33A: MOV      INPUT+2,ROUTE1
162 0502 116767      MOV      INPUT+4,ROUTE1+2
163 0510 016700      MOV      ICHARS,R0
164 0514 116067      MOV      INPUT-2(R0),T
165 0522 005067      CLR      TCO
166 0526 016767      MOV      T,TCO
167 0534 162767      SUB      #61,TCO
168 0542 000402      BR       SUB33E
169 0544 005267 SUB33D: INC      RESULT
170 0550 000205 SUB33E: RTS      R5
171      ;
172      ;*****
173      ; SUB-PROCESS 34  UPDATE VREF BUFFER WITH ROUTE(S)
174      ;*****
175      ;
176 0552 016700 SUB34:  MOV      BUFFER,R0
177 0556 016701      MOV      ROUTE1,R1
178 0562 056701      BIS      ROUTE1+2,R1
179 0566 005701      TST      R1
180 0570 00:406      BEQ      SUB34A
181 0572 016760      MOV      ROUTE1,64.(R0)
182 0600 116760      MOV      ROUTE1+2,66.(R0)
183 0606 016701 SUB34A: MOV      ROUTE2,R1
184 0612 056701      BIS      ROUTE2+2,R1
185 0616 005701      TST      R1
186 0620 00:411      BEQ      SUB34E
187 0622 116760      MOV      ROUTE2,67.(R0)
188 0630 116760      MOV      ROUTE2+1,68.(R0)
189 0636 116760      MOV      ROUTE2+2,69.(R0)
190 0644 000205 SUB34E: RTS      R5
191      ;
192      ;
193      ;*****
194      ; SUB-PROCESS 35  WRITE VREF RECORD
195      ;*****
196      ;
197 0646 016700 SUB35:  MOV      VSTADR,R0
198 0652 005067      CLR      RESULT
199 0656 116003      MOV      1(R0),R3
200 0662 016704      MOV      BUFFER,R4
201 0666 010546      MOV      R5,-(SP)
202 0670 004567      JSR      R5,WTVREF
203 0674 060067      ADD      R0,RESULT
204 0700 012605      MOV      (SP)+,R5
205 0702 000205      RTS      R5
206      ;
207      ;*****
208      ; SUB-PROCESS 36  GET TCO & VSTADR FROM VSTAT USING VID
209      ;*****
210      ;
211 0704 010546 SUB36:  MOV      R5,-(SP)
212 0706 004567      JSR      R5,S106

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213 0712 004567      JSR      R5,S125
214 0716 012605      MOV      (SP)+,R5
215 0720 000205      RTS      R5
216
217      ;*****
218      ; SUB-PROCESS 37   TEST CMDWD2 SUB-BYTE = ASSOCIATED VALUE
219      ;*****
220      ;
221 0722 062767 SUB37:  ADD      #2,ADDRES
222 0730 005067      CLR      RESULT
223 0734 127767      CMPB     @ADDRES,CMDWD2+1
224 0742 001402      BEQ      SUB37E
225 0744 005267      INC      RESULT
226 0750 000205 SUB37E: RTS      R5
227
228      ; SUB-PROCESS 38   SETUP PDT (GENERAL)
229      ;*****
230      ;
231 0752 016700 SUB38:  MOV      ADDRES,R0
232 0756 062767      ADD      #6,ADDRES
233 0764 016001      MOV      2(R0),R1
234 0770 016002      MOV      4(R0),R2
235 0774 016003      MOV      6(R0),R3
236 1000 032711      BIT      #4,(R1)          ;SKIP IF MODE DISABLED
237 1004 001024      BNE      SUB38E
238 1006 040211      BIC      R2,(R1)
239 1010 050311      BIS      R3,(R1)
240 1012 116761      MOVB     FUNKEY,4(R1)
241 1020 116761      MOVB     VID,6(R1)
242 1026 116761      MOVB     TCO,7(R1)
243 1034 016761      MOV      VSTADR,8.(R1)
244 1042 016761      MOV      CMDWD1,10.(R1)
245 1050 016761      MOV      CMDWD2,12.(R1)
246 1056 000205 SUB38E: RTS      R5
247
248      ;*****
249      ; SUB-PROCESS 42   SETUP PDT (GENERAL) FUNCTION UNAFFECTED
250      ;
251 1060 016700 SUB42:  MOV      ADDRES,R0
252 1064 062767      ADD      #6,ADDRES
253 1072 016001      MOV      2(R0),R1
254 1076 016002      MOV      4(R0),R2
255 1102 016003      MOV      6(R0),R3
256 1106 032711      BIT      #4,(R1)          ;SKIP IF MODE DISABLED
257 1112 001021      BNE      SUB42E
258 1114 040211      BIC      R2,(R1)
259 1116 050311      BIS      R3,(R1)
260 1120 116761      MOVB     VID,6(R1)
261 1126 116761      MOVB     TCO,7(R1)
262 1134 016761      MOV      VSTADR,8.(R1)
263 1142 016761      MOV      CMDWD1,10.(R1)
264 1150 016761      MOV      CMDWD2,12.(R1)
265 1156 000205 SUB42E: RTS      R5

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266      ;*****
267      ; SUB-PROCESS 44  SETUP BS COMMAND #33
268      ;*****
269      ;
270 1160 010546 SUB44:  MOV     R5,-(SP)
271 1162 005067         CLR     SUB44A
272 1166 116767         MOVB    CMDWD1,SUB44A
273 1174 112767         MOVB    #29,,SUB44B
274 1202 116767         MOVB    CMDWD2+1,SUB44B+1
275 1210 004567         JSR     R5, 3ECD
276 1214 000000 SUB44A: .WORD    0
277 1216 000000 SUB44B: .WORD    0
278 1220 012605         MOV     (SP)+,R5
279 1222 000205         RTS     R5
280      ;
281      ;*****
282      ; SUB-PROCESS 45  SETUP BS COMMAND #33 FOR 2ND TRUCK IF
283      ;*****
284      ;
285 1224 010546 SUB45:  MOV     R5,-(SP)
286 1226 122767         CMPB    #7,CMDWD2+1
287 1234 001017         BNE     SUB45E
288 1236 005067         CLR     SUB45A
289 1242 116767         MOVB    CMDWD1+1,SUB45A
290 1250 112767         MOVB    #29,,SUB45B
291 1256 112767         MOVB    #7,SUB45B+1
292 1264 004567         JSR     R5,BASECD
293 1270 000000 SUB45A: .WORD    0
294 1272 000000 SUB45B: .WORD    0
295 1274 012605 SUB45E: MOV     (SP)+,R5
296 1276 000205         RTS     R5
297      ;
298      ;*****
299      ; SUB-PROCESS 46  GET NEXT VSTAT ENTRY
300      ;*****
301      ;
302 1300 016700 SUB46:  MOV     VSTADR,R0
303 1304 005067         CLR     RESULT
304 1310 020027 SUB46A: CMP     R0,#VSTAT
305 1314 001403         BEQ     SUB46B
306 1316 020027         CMP     R0,#VSTEND
307 1322 100007         BPL     SUB46C
308 1324 005710 SUB46B: TST     (R0)
309 1326 001007         BNE     SUB46D
310 1330 066700         ADD     LNGVST,R0
311 1334 010067         MOV     R0,VSTADR
312 1340 000771         BR      SUB46B
313 1342 005267 SUB46C: INC     RESULT
314 1346 000205 SUB46D: RTS     R5
315      ;
316      ;*****
317      ; SUB-PROCESS 60  GET BLOCK OF 'VOLATL' BUFFER
318      ;*****

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```

319 ;
320 1350 010546 SUB60: MOV R5, -(SP)
321 1352 005067 CLR RESULT
322 1356 004567 JSR R5, FNDBUF ;CALL ROUTINE TO LOCATE BLK
323 1362 000000 SUB60A: .WORD 0
324 1364 016767 MOV SUB60A, BUFFER
325 1372 001002 BNE SUB60E
326 1374 005267 INC RESULT
327 1400 012605 SUB60E: MOV (SP)+, R5
328 1402 000205 RTS R5
329 ;
330 ;*****
331 ; SUB-PROCESS 6: RELEASE BLK OF 'VOLATL' BUFFER
332 ;*****
333 ;
334 1404 010546 SUB61: MOV R5, -(SP)
335 1406 016767 MOV BUFFER, SUB61A
336 1414 001405 BEQ SUB61E
337 1416 005067 CLR BUFFER
338 1422 004567 JSR R5, RLSBUF ;CALL ROUTINE TO RELEASE BLK
339 1426 000000 SUB61A: .WORD 0
340 1430 012605 SUB61E: MOV (SP)+, R5
341 1432 000205 RTS R5
342 ;
343 ;*****
344 ; SUB-PROCESS 7: PRINT BS MSG ON PRINTER
345 ;*****
346 1434 062767 SUB71: ADD #2, ADDRESS
347 1442 010546 MOV R5, -(SP) ;SAVE R5
348 1444 017700 MOV @ADDRESS, R0
349 1450 016701 MOV VID, R1
350 1454 005002 CLR R2
351 1456 004577 JSR R5, @ERRPRT
352 1462 012605 SUB71A: MOV (SP)+, R5
353 1464 000205 SUB71E: RTS R5
354 ;
355 ;*****
356 ; SUB-PROCESS 72 DISPLAY 'BAD REQ'
357 ;*****
358 ;
359 1466 010546 SUB72: MOV R5, -(SP)
360 1470 004577 JSR R5, @DISADR
361 1474 001506 .WORD INVREQ
362 1476 000016 .WORD IRE-INVREQ
363 1500 000000 SUB72A: .WORD 0
364 1502 012605 SUB72E: MOV (SP)+, R5
365 1504 000205 RTS R5
366 1506 017000 INVREQ: .WORD CHOME
367 1510 040 .ASCII / BAD REQ /
368 1522 017000 .WORD CHOME
369 1524 001524 IRE: .=.
370 ;*****
371 ;

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```

372      ;      SUB-PROCESS 73 PRINT MSG TO LINE PRINTER
373      ;
374      ;*****
375 1524 010546 SUB73:  MOV    R5,-(SP)
376 1526 012703      MOV    #SUB73D,R3
377 1532 005002      CLR     R2
378 1534 126723 SUB73A: CMPB   CMDWD2,(R3)+
379 1540 001403      BEQ     SUB73B
380 1542 105723      TSTB   (R3)+
381 1544 001373      BNE     SUB73A
382 1546 000401      BR      SUB73C
383 1550 111302 SUB73B: MOVB   (R3),R2
384 1552 116701 SUB73C: MOVB   CMDWD1,R1
385 1556 116700      MOVB   CMDWD2+1,R0
386 1562 004577      JSR     R5,@ERRPRT
387 1566 012605      MOV     (SP)+,R5
388 1570 000205      RTS      R5
389 1572      034 SUB73D: .BYTE 28..6.27..5.26..4.25..1.24..2.0.0
390      ;
391      ;*****
392      ; SUB-PROCESS 105  TEST FOR VVV IN 'VSTAT'
393      ;*****
394      ;
395 1606 005067 S105:  CLR     RESULT
396 1612 010546      MOV     R5,-(SP)
397 1614 004567      JSR     R5,VALNO          ;SUBR TO LOOK FOR VSTAT ENTRY
398 1620 002776      .WORD   VVV
399 1622 000000 S105A: .WORD   0
400 1624 016767      MOV     S105A,VSTADR
401 1632 001002      BNE     S105E
402 1634 005267      INC     RESULT
403 1640 012605 S105E: MOV     (SP)+,R5
404 1642 000205      RTS      R5
405      ;
406      ;*****
407      ; SUB-PROCESS 106  TEST FOR VID IN 'VSTAT'
408      ;*****
409      ;
410 1644 005067 S106:  CLR     RESULT
411 1650 005067      CLR     VSTADR
412 1654 010546      MOV     R5,-(SP)
413 1656 016703      MOV     VID,R3
414 1662 004567      JSR     R5,VALVID
415 1666 005701      TST     R1
416 1670 001003      BNE     S106A
417 1672 010267      MOV     R2,VSTADR
418 1676 000402      BR      S106E
419 1700 005267 S106A: INC     RESULT
420 1704 012605 S106E: MOV     (SP)+,R5
421 1706 000205      RTS      R5
422      ;
423      ;*****
424      ; SUB-PROCESS 112  ADD VID ENTRY INTO 'SPVEHD'

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425      ;*****
426      ;
427 1710 005067 S112:  CLR      RESULT
428 1714 005000      CLR      R0
429 1716 105760 S112A: TSTB    SPVEHD(R0)
430 1722 001412      BEQ      S112B
431 1724 005200      INC      R0
432 1726 010001      MOV      R0,R1
433 1730 062701      ADD      #SPVEHD,R1
434 1734 020127      CMP      R1,#SPDEND
435 1740 100766      BMI      S112A
436 1742 005267      INC      RESULT
437 1746 000403      BR       S112E
438 1750 116760 S112B: MOVB    VID,SPVEHD(R0)      ;STORE ENTRY
439 1756 000205 S112E: RTS      R5
440      ;
441      ;*****
442      ; SUB-PROCESS 1:3  TEST FOR TRUCKING CO IN PDT
443      ;*****
444      ;
445 1760 005067 S113:  CLR      RESULT
446 1764 016700      MOV      PDTADR,R0
447 1770 126067      CMPB     7(R0),TCD
448 1776 001402      BEQ      S113E
449 2000 005267      INC      RESULT
450 2004 000205 S113E: RTS      R5
451      ;
452      ;*****
453      ; SUB-PROCESS 1:5  GET VREF ENTRY USING VSTAT BLK #
454      ;*****
455      ;
456 2006 016700 S115:  MOV      VSTADR,R0
457 2012 005067      CLR      RESULT
458 2016 116003      MOVB     1(R0),R3      ;BLK #
459 2022 016704      MOV      BUFFER,R4      ;ADR OF BUFFER
460 2026 010546      MOV      R5,-(SP)
461 2030 004567      JSR      R5,GTVREF
462 2034 060067      ADD      R0,RESULT      ;STORE SUCCESS RESULT
463 2040 012605      MOV      (SP)+,R5
464 2042 000205      RTS      R5
465      ;
466      ;
467      ;*****
468      ; SUB-PROCESS 1:8  SETUP VEHICLE COMMAND
469      ;*****
470      ;
471 2044 010546 S118:  MOV      R5,-(SP)
472 2046 010146      MOV      R1,-(SP)
473 2050 062767      ADD      #2,ADDRES
474 2056 016701      MOV      VSTADR,R1
475 2062 032761      BIT      #1,2(R1)
476 2070 001045      BNE      S118A
477 2072 032777      BIT      #10,0ADDRES

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478 2100 00:402      BEQ      S118E
479 2102 006277      ASR      @ADDRES
480 2106 012701 S118E: MOV      #RAVCOM,R1
481 2112 005711      TST      (R1)
482 2114 00:416      BEQ      S118C
483 2116 012701      MOV      #RBUF,R1
484 2122 005721 S118D: TST      (R1)+
485 2124 00:376      BNE      S118D
486 2126 016700      MOV      VID,R0
487 2132 006300      ASL      R0
488 2134 006300      ASL      R0
489 2136 006300      ASL      R0
490 2140 006300      ASL      R0
491 2142 057700      BIS      @ADDRES,R0
492 2146 010011      MOV      R0,(R1)
493 2150 000432      BR       S118B
494 2152 017761 S118C: MOV      @ADDRESS,2(R1)
495 2160 016700      MOV      VID,R0
496 2164 010011      MOV      R0,(R1)
497 2166 006300      ASL      R0
498 2170 006300      ASL      R0
499 2172 006300      ASL      R0
500 2174 006300      ASL      R0
501 2176 050061      BIS      R0,2(R1)
502 2202 000415      BR       S118B
503 2204 017767 S118A: MOV      @ADDRES,CMDBUF      ; FORMAT
504 2212 016700      MOV      VID,R0
505 2216 006300      ASL      R0
506 2220 006300      ASL      R0
507 2222 006300      ASL      R0
508 2224 006300      ASL      R0
509 2226 050067      BIS      R0,CMDBUF      ; VID
510 2232 004567      JSR      R5,CMD0
511 2236 012601 S118B: MOV      (SP)+,R1
512 2240 012605      MOV      (SP)+,R5
513 2242 000205      RTS      R5
514                ;*****
515                ; SUB-PROCESS 121  TEST FOR TRUCKING CO IN VSTAT
516                ;*****
517                ;
518 2244 016700 S121:  MOV      VSTADR,R0
519 2250 005067      CLR      RESULT
520 2254 005710      TST      (R0)
521 2256 00:413      BEQ      S121B
522 2260 032760      BIT      #40,2(R0)
523 2266 00:004      BNE      S121A
524 2270 005767      TST      TCO      ;CHECK FOR TC
525 2274 00:004      BNE      S121B
526 2276 000405      BR       S121E
527 2300 005767 S121A: TST      TCO
528 2304 00:002      BNE      S121E      ;CHECK FOR GI
529 2306 005267 S121B: INC      RESULT
530 2312 000205 S121E: RTS      R5

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```

531      ;
532      ;*****
533      ; SUB-PROCESS :23  GET VID FROM CMDWD1
534      ;*****
535      ;
536 2314 116767 S123:  MOVB  CMDWD1,VID
537 2322 000205      RTS  R5
538      ;
539      ;*****
540      ; SUB-PROCESS :25  GET TRUCK CO FROM VSTAT ENTRY
541      ;*****
542      ;
543 2324 016700 S125:  MOV  VSTADR,R0
544 2330 005067      CLR  TCO
545 2334 032760      BIT  #40,2(R0)
546 2342 00:402      BEQ  S125E
547 2344 005267      INC  TCO
548 2350 000205 S125E: RTS  R5
549      ;
550      ;*****
551      ; SUB-PROCESS :27  TEST FOR F1/F4 & CORRECT VID
552      ;*****
553      ;
554 2352 010546 S127:  MOV  R5,-(SP)
555 2354 012605 S127E: MOV  (SP)+,R5
556 2356 000205      RTS  R5
557      ;
558      ;*****
559      ; SUB-PROCESS :28  TEST FOR F2/F5 & CORRECT TCO
560      ;*****
561      ;
562 2360 010546 S128:  MOV  R5,-(SP)
563 2362 004567      JSR  R5,S106      ; GET VSTAT ENTRY USING VID
564 2366 005767      TST  RESULT
565 2372 00:007      BNE  S128E
566 2374 004567      JSR  R5,S125      ; GET TRUCKING CO
567 2400 004567      JSR  R5,S113      ; TEST TRUCKING CO IN PDT
568 2404 005767      TST  RESULT
569 2410 00:000      BNE  S128E      ; BAD TRUCK
570 2412 012605 S128E: MOV  (SP)+,R5
571 2414 000205      RTS  R5
572      ;
573      ;*****
574      ; SUB-PROCESS 133  VALIDATE ROUTE(S) AGAINST INTERNAL TABLE
575      ;*****
576      ;
577 2416 010546 S133:  MOV  R5,-(SP)
578 2420 005067      CLR  RESULT
579 2424 016767      MOV  ROUTE1,ROUTE
580 2432 116767      MOVB  ROUTE1+2,ROUTE+2
581 2440 004567      JSR  R5,S133A
582 2444 016767      MOV  ROUTE2,ROUTE
583 2452 116767      MOVB  ROUTE2+2,ROUTE+2

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584 2460 004567      JSR      R5,S133A
585 2464 000435      BR       S133E
586                ;
587 2466 005767 S133A: TST      ROUTE
588 2472 001431      BEQ      S133D
589 2474 012700      MOV      #TCROUT,R0
590 2500 005767      TST      TCO
591 2504 001402      BEQ      S133B
592 2506 012700      MOV      #GIROUT,R0
593 2512 126710 S133B: CMPB     ROUTE,(R0)
594 2516 001010      BNE      S133C
595 2520 126760      CMPB     ROUTE+1,1(R0)
596 2526 001004      BNE      S133C
597 2530 126760      CMPB     ROUTE+2,2(R0)
598 2536 001407      BEQ      S133D
599 2540 005200 S133C: INC      R0
600 2542 005200      INC      R0
601 2544 005200      INC      R0
602 2546 105710      TSTB     (R0)
603 2550 001360      BNE      S133B
604 2552 005267      INC      RESULT
605 2556 000205 S133D: RTS      R5
606                ;
607 2560 012605 S133E: MOV      (SP)+,R5
608 2562 000205      RTS      R5
609 2564 000000      .WORD    0
610                ;
611                ;*****
612                ; SUB-PROCESS 135  SET BIT(S) IN VSTAT WORD (0-N)
613                ;*****
614                ;
615 2566 062767 S135:  ADD      #2,ADDRES
616 2574 017700      MOV      @ADDRES,R0
617 2600 062767      ADD      #2,ADDRES
618 2606 017701      MOV      @ADDRES,R1
619 2612 066701      ADD      VSTADR,R1
620 2616 050011      BIS      R0,(R1)
621 2620 000205      RTS      R5
622                ;
623                ;*****
624                ; SUB-PROCESS 136  CLEAR BIT(S) IN VSTAT WORD (0-N)
625                ;*****
626                ;
627 2622 062767 S136:  ADD      #2,ADDRES
628 2630 017700      MOV      @ADDRES,R0
629 2634 062767      ADD      #2,ADDRES
630 2642 017701      MOV      @ADDRES,R1
631 2646 066701      ADD      VSTADR,R1
632 2652 040011      BIC      R0,(R1)
633 2654 000205      RTS      R5
634                ;*****
635                ; SUB-PROCESS 135  ADD VID TO SPVENE
636                ;*****

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637
638 2656 005067 S139: CLR RESULT
639 2662 005000 CLR R0
640 2664 105760 S139A: TSTB SPVEHE(R0)
641 2670 00412 BEQ S139B
642 2672 005200 INC R0
643 2674 010001 MOV R0,R1
644 2676 062701 ADD #SPVEHE,R1
645 2702 020127 CMP R1,#SPEEND
646 2706 100766 BMI S139A
647 2710 005267 INC RESULT
648 2714 000403 BR S139E
649 2716 116760 S139B: MOVB VID,SPVEHE(R0)
650 2724 000205 S139E: RTS R5
651 2726 000205 SHOWIT: RTS R5
652
653
654 2730 000000 PDTADR: .WORD 0 ;ADR OF PDT FOR OUTPUT DEVICE
655 2732 000000 PRTPDT: .WORD 0 ;ADR OF PDT FOR PRINTER
656 2734 000000 MOVER: .WORD 0 ;ADR OF MOVE INPUT SUBR
657 2736 000000 DISADR: .WORD 0 ;ADR OF OUTPUT ROUTINE
658 2740 000000 PRTADR: .WORD 0 ;ADR OF PRINT ROUTINE
659 2742 000000 ERRPRT: .WORD 0 ;ADR OF ERROR PRINT ROUTINE
660
661 2744 INPUT: .BLKW 10. ;INPUT DATA TO EDIT
662 2770 000000 ICHARS: .WORD 0 ;# OF INPUT CHARACTERS
663 2772 000000 CMDWD1: .WORD 0 ; BASE STATION COMMAND WORD 1
664 2774 000000 CMDWD2: .WORD 0 ; BASE STATION COMMAND WORD 2
665 2776 000000 VVV: .WORD 0,0 ;VEHICLE # (ASCII)
666 3002 000000 YY: .WORD 0 ;VEHICLE ID (ASCII)
667 3004 000000 T: .WORD 0 ;TRUCKING CO. (ASCII)
668 3006 000000 M: .WORD 0 ;SENSOR (ASCII) (0-7)
669 3010 000000 VNO: .WORD 0 ;VEHICLE # (BINARY)
670 3012 000000 VID: .WORD 0 ;VEHICLE ID (BINARY)
671 3014 000000 TCO: .WORD 0 ;TRUCKING CO. (BINARY)
672 3016 000000 SENSOR: .WORD 0 ;SENSOR (BINARY)
673 3020 000000 SENBIT: .WORD 0 ;SENSOR BIT
674
675 3022 000000 VSTADR: .WORD 0 ;ADR OF ENTRY IN VSTAT
676 3024 000000 BUFFER: .WORD 0 ;ADR OF VOLATL BLOCK ALLOCATED
677 3026 000000 BLK: .WORD 0 ;BLOCK # OF VREF ENTRY
678
679 3030 000000 RESULT: .WORD 0 ;TEST RESULT FLAG
680 3032 000000 ANSWER: .WORD 0 ;SECONDARY TEST RESULT FLAG
681
682 3034 000000 ADDRES: .WORD 0 ;TABLE PROCESSION ADDRESS
683 3036 177777 RETADR: .WORD -1 ;STORAGE TABLE OF 'ADDRESS' FOR
684 .BLKW 10. ;TABLE JUMP & RETURNS.
685
686
687 3064 000000 FUNKEY: .WORD 0 ; RECEIPT OF ILLEGAL COMMANS
688 3066 000000 PDTSET: .WORD 0 ;FUNCTION KEY FLAG
689 3070 000000 PDTCLR: .WORD 0 ;BITS TO SET IN PDT STATUS WD.
;BITS TO CLR IN PDT STSTATUS WD.

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690 3072 000000 PDTINP: .WORD 0 ;ADR OF PDT FOR INPUT DEVICE
691 3074 000000 VVVX: .WORD 0 ;VVV IN RADIX
692 3076 000000 TCBELL: .WORD 0 ;CRT BELL CTR FOR TRANSCON
693 3100 000000 GIBELL: .WORD 0 ;CRT BELL CTR FOR GI
694 3102 000000 DELTA: .WORD 0 ;RECENT HISTORY DELTA
695 3104 000000 ROUTE: .WORD 0.0
696 3110 000000 ROUTE1: .WORD 0.0 ;ROUTE 1 ASSIGNED
697 3114 000000 ROUTE2: .WORD 0.0 ;ROUTE 2 ASSIGNED
698 3120 003120 TCROUT: .=. ;VALID TC ROUTES
699 3120 061 .ASCII /141/
700 3123 061 .ASCII /135/
701 3126 061 .ASCII /110/
702 3131 061 .ASCII /111/
703 3134 061 .ASCII /112/
704 3137 061 .ASCII /117/
705 3142 061 .ASCII /118/
706 3145 061 .ASCII /134/
707 3150 061 .ASCII /120/
708 3153 061 .ASCII /121/
709 3156 061 .ASCII /124/
710 3161 061 .ASCII /125/
711 3164 061 .ASCII /126/
712 3167 061 .ASCII /129/
713 3172 061 .ASCII /131/
714 3175 061 .ASCII /132/
715 3200 061 .ASCII /133/
716 3203 061 .ASCII /134/
717 3206 000000 .WORD 0
718 3210 003210 GIROUT: .=. ;VALID GI ROUTES
719 3210 060 .ASCII /019/
720 3213 060 .ASCII /020/
721 3216 060 .ASCII /021/
722 3221 060 .ASCII /022/
723 3224 060 .ASCII /026/
724 3227 060 .ASCII /027/
725 3232 060 .ASCII /030/
726 3235 060 .ASCII /031/
727 3240 060 .ASCII /032/
728 3243 060 .ASCII /033/
729 3246 063 .ASCII /33A/
730 3251 060 .ASCII /034/
731 3254 060 .ASCII /035/
732 3257 060 .ASCII /036/
733 3262 060 .ASCII /037/
734 3265 060 .ASCII /048/
735 3270 000000 .WORD 0
736 3272 003272 BSPASS: .=. ;BS PASS WORDS
737 3272 107 .ASCII /GW/
738 3274 112 .ASCII /JC/
739 3276 104 .ASCII /DP/
740 3300 112 .ASCII /JP/
741 3302 000000 .WORD 0
742 3304 000000 DEVICE: .WORD 0

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743 3306 003306 DEVTAB: .=.
744 3306 103 .ASCII /C1/
745 3310 000000G .WORD PDC1
746 3312 000000 .WORD 0
747 3314 113 .ASCII /K1/
748 3316 000000G .WORD PDK1
749 3320 000000 .WORD 0
750 3322 113 .ASCII /K2/
751 3324 000000G .WORD PDK2
752 3326 000000G .WORD BUFK2
753 3330 000000 .WORD 0
754 3332 000003 THREE: .WORD 3
755 3334 000003 RXTAB: .WORD 3,0,0,0
756 3344 000003 RTAB: .WORD 3,THREE,VVV,VVVX
757 3354 000000GTYETAB: .WORD SSPBUF,SSPEND,LOCBUF,LOCEND,MILBUF,MILEND
758 3370 114 HEADR1: .ASCII /L0000/
759 3375 015 .BYTE 15,12,72
760 3400 000000 NO1PTR: .WORD 0
761 3402 000000 NO2PTR: .WORD 0
762 3404 000000 RLD1: .WORD 0
763 3406 000000 RLD2: .WORD 0
764 3410 000000 CRFLG1: .WORD 0
765 3412 000000 CRFLG2: .WORD 0
766 .
767 000001 .END

```

: BS DEVICES & PDTS & BUFFERS

:CONSTANT 3

ADDRES 003034RG	ANSWER 003032RG	ASC2BN= ***** G
BASECD= ***** G	BLK 003026RG	BSFLAG= ***** G
BSPASS 003272RG	BUFFER 003024RG	BUFK2 = ***** G
CHOME = 017000	CMDBUF= ***** G	CMD0 = ***** G
CMDWD1 002772RG	CMDWD2 002774RG	CRFLG1 003410RG
CRFLG2 003412RG	DELTA 003102RG	DEV'CE 003304RG
DEVTAB 003306RG	DISADR 002736RG	ERRPRT 002742RG
FNDBUF= ***** G	FUNKEY 003064RG	GIBELL 003100RG
GROUT 003210R	GTVREF= ***** G	HEADR1 003370RG
ICHARS 002770RG	INPUT 002744RG	INVREQ 001506R
IRE 001524R	LNGVST= ***** G	LOCBUF= ***** G
LOCEND= ***** G	M 003006RG	MILBUF= ***** G
MILEND= ***** G	MOVER 002734RG	NO1PTR 003400RG
NO2PTR 003402RG	PC =%000007	PDTADR 002730RG
PDTC1 003070RG	PDTC1 = ***** G	PDT'NP 003072RG
PDTC1 = ***** G	PDTC2 = ***** G	PDTSET 003066RG
PRTADR 002740RG	PRTPDT 002732RG	RAVCOM= ***** G
RBUF = ***** G	RESULT 003030RG	RETADR 003036RG
RLD1 003404RG	RLD2 003406RG	RLSBUF= ***** G
ROUTE 003104R	ROUTE1 003110R	ROUTE2 003114R
RTAB 003344RG	RXTAB 003334RG	R0 =%000000
R1 =%000001	R2 =%000002	R3 =%000003
R4 =%000004	R5 =%000005	SENBIT 003020R
SENSOR 003016RG	SHOWIT 002726RG	SP =%000006
SPDEND= ***** G	SPEED= ***** G	SPVEHD= ***** G
SPVEHE= ***** G	SSPBUF= ***** G	SSPEND= ***** G
SUB06 000000RG	SUB06E 000030R	SUB07 000032RG
SUB07E 000062R	SUB10 000064RG	SUB10A 000074R
SUB10B 000114R	SUB10E 000136R	SUB15 000140RG
SUB20 000164RG	SUB20A 000262R	SUB20B 000270R
SUB20E 000302R	SUB25 000306RG	SUB26 000320RG
SUB27 000344RG	SUB29 000370RG	SUB33 000406RG
SUB33A 000474R	SUB33D 000544R	SUB33E 000550R
SUB34 000552RG	SUB34A 000606R	SUB34E 000644R
SUB35 000646RG	SUB36 000704RG	SUB37 000722RG
SUB37E 000750R	SUB38 000752RG	SUB38E 001056R
SUB42 001060RG	SUB42E 001156R	SUB44 001160RG
SUB44A 001214R	SUB44B 001216R	SUB45 001224RG
SUB45A 001270R	SUB45B 001272R	SUB45E 001274R
SUB46 001300RG	SUB46A 001310R	SUB46B 001324R
SUB46C 001342R	SUB46D 001346R	SUB60 001350RG
SUB60A 001362R	SUB60E 001400R	SUB61 001404RG
SUB61A 001426R	SUB61E 001430R	SUB71 001434RG
SUB71A 001462R	SUB71E 001464R	SUB72 001466RG
SUB72A 001500R	SUB72E 001502R	SUB73 001524RG
SUB73A 001534R	SUB73B 001550R	SUB73C 001552R
SUB73D 001572R	S105 001606RG	S105A 001622R
S105E 001640R	S106 001644RG	S106A 001700R
S106E 001704R	S112 001710RG	S112A 001716R
S112B 001750R	S112E 001756R	S113 001760RG
S113E 002004R	S115 002006RG	S118 002044RG
S118A 002204R	S118B 002236R	S118C 002152R
S118D 002122R	S118E 002106R	S121 002244RG

S121A	002300R	S121B	002306R	S121E	002312R
S123	002314RG	S125	002324RG	S125E	002350R
S127	002352RG	S127E	002354R	S128	002360RG
S128E	002412R	S133	002416RG	S133A	002466R
S133B	002512R	S133C	002540R	S133D	002556R
S133E	002560R	S135	002566RG	S136	002622RG
S139	002656RG	S139A	002664R	S139B	002716R
S139E	002724R	T	003004RG	TCBELL	003076RG
TCO	003014RG	TCROUT	003120R	THREE	003332RG
TTYBUF=	***** G	TYETAB	003354RG	VALNO =	***** G
VALVID=	***** G	VEHQUE=	***** G	VID	003012RG
VNO	003010R	VSTADR	003022RG	VSTAT =	***** G
VSTEND=	***** G	VVV	002776RG	VVVX	003074RG
WTVREF=	***** G	YY	003002RG	...V2 =	000001

. ABS. 000000 000
003414 001

ERRORS DETECTED: 0
FREE CORE: 17096. WORDS

.LP:/C:=DSUBS2.MAC

	1-369	1-369#	1-698	1-698#	1-718	1-718#	1-736
...V2	1-736#	1-743	1-743#				
ADDRES	1-6#						
	1-17#	1-35*	1-38	1-41*	1-48*	1-51	1-54*
	1-60*	1-68	1-69	1-72*	1-79	1-81*	1-82
	1-89*	1-90	1-121	1-122*	1-131	1-132*	1-141*
	1-142	1-221*	1-223	1-231	1-232*	1-251	1-252*
	1-346*	1-348	1-473*	1-477	1-479*	1-491	1-494
	1-503	1-615*	1-616	1-617*	1-618	1-627*	1-628
	1-629*	1-630	1-682#				
ANSWER	1-30#	1-680#					
ASC2BN	1-27#	1-100					
BASECD	1-14#	1-275	1-292				
BLK	1-20#	1-677#					
BSFLAG	1-14#	1-142*					
BSPASS	1-19#	1-736#					
BUFFER	1-18#	1-176	1-200	1-324*	1-335	1-337*	1-459
	1-676#						
BUFK2	1-18#	1-752					
CHOME	1-10#	1-366	1-368				
CMD8UF	1-14#	1-503*	1-509*				
CMD0	1-14#	1-510					
CMDWD1	1-17#	1-244	1-263	1-272	1-289	1-384	1-536
	1-663#						
CMDWD2	1-17#	1-223	1-245	1-264	1-274	1-286	1-378
	1-385	1-664#					
CRFLG1	1-29#	1-764#					
CRFLG2	1-29#	1-765#					
DELTA	1-19#	1-694#					
DEVICE	1-18#	1-742#					
DEVTAB	1-19#	1-743#					
DISADR	1-15#	1-360	1-657#				
ERRPRT	1-15#	1-351	1-386	1-659#			
FNDBUF	1-27#	1-322					
FUNKEY	1-16#	1-240	1-687#				
GIBELL	1-13#	1-693#					
GIROUT	1-592	1-718#					
GTVREF	1-27#	1-461					
HEADR1	1-29#	1-750#					
ICHARS	1-16#	1-155	1-157	1-163	1-662#		
INPUT	1-16#	1-91	1-92	1-93	1-159	1-160	1-161
	1-162	1-164	1-661#				
INVREQ	1-361	1-362	1-366#				
IRE	1-362	1-369#					
LNGVST	1-12#	1-310					
LOCBUF	1-28#	1-757					
LOCEND	1-28#	1-757					
M	1-30#	1-668#					
MILBUF	1-28#	1-757					
MILEND	1-28#	1-757					
MOVER	1-15#	1-656#					
NO1PTR	1-29#	1-760#					
NO2PTR	1-29#	1-761#					
PDTADR	1-15#	1-446	1-654#				
PDTC1	1-18#	1-745					
PDTCLR	1-19#	1-689#					

PDTINP	1-15#	1-690#					
PDTK1	1-18#	1-748					
PDTK2	1-18#	1-751					
PDTSET	1-19#	1-688#					
PRTADR	1-15#	1-658#					
PRTPDT	1-15#	1-655#					
RAVCOM	1-19#	1-480					
RBUFF	1-19#	1-483					
RESULT	1-17#	1-36	1-49	1-99*	1-106*	1-149*	1-169*
	1-198*	1-203*	1-222*	1-225*	1-303*	1-313*	1-321*
	1-326*	1-395*	1-402*	1-410*	1-419*	1-427*	1-436*
	1-445*	1-449*	1-457*	1-462*	1-519*	1-529*	1-564
	1-568	1-578*	1-604*	1-638*	1-647*	1-679#	
RETADR	1-16#	1-62	1-68*	1-683#			
RLD1	1-29#	1-762#					
RLD2	1-29#	1-763#					
RLSBUF	1-27#	1-338					
ROUTE	1-579*	1-580*	1-582*	1-583*	1-587	1-593	1-595
	1-597	1-695#					
ROUTE1	1-150*	1-151*	1-161*	1-162*	1-177	1-178	1-181
	1-182	1-579	1-580	1-696#			
ROUTE2	1-152*	1-153*	1-159*	1-160*	1-183	1-184	1-187
	1-188	1-189	1-582	1-583	1-697#		
RTAB	1-17#	1-756#					
RXTAB	1-17#	1-755#					
S105	1-25#	1-395#					
S105A	1-399#	1-400					
S105E	1-401	1-403#					
S106	1-25#	1-212	1-410#	1-563			
S106A	1-416	1-419#					
S106E	1-418	1-420#					
S112	1-25#	1-427#					
S112A	1-429#	1-435					
S112B	1-430	1-438#					
S112E	1-437	1-439#					
S113	1-25#	1-445#	1-567				
S113E	1-448	1-450#					
S115	1-25#	1-456#					
S118	1-25#	1-471#					
S118A	1-476	1-503#					
S118B	1-493	1-502	1-511#				
S118C	1-482	1-494#					
S118D	1-484#	1-485					
S118E	1-478	1-480#					
S121	1-25#	1-518#					
S121A	1-523	1-527#					
S121B	1-521	1-525	1-529#				
S121E	1-526	1-528	1-530#				
S123	1-25#	1-536#					
S125	1-25#	1-213	1-543#	1-566			
S125E	1-546	1-548#					
S127	1-25#	1-554#					
S127E	1-555#						
S128	1-25#	1-562#					
S128E	1-565	1-569	1-570#				
S133	1-26#	1-577#					
S133A	1-581	1-584	1-587#				

S133B	1-591	1-593#	1-603
S133C	1-594	1-596	1-599#
S133D	1-588	1-598	1-605#
S133E	1-585	1-607#	
S135	1-26#	1-615#	
S136	1-26#	1-627#	
S139	1-26#	1-638#	
S139A	1-640#	1-646	
S139B	1-641	1-649#	
S139E	1-648	1-650#	
SENBIT	1-673#		
SENSOR	1-27#	1-672#	
SHOWIT	1-30#	1-651#	
SPDEND	1-12#	1-434	
SPEEDN	1-12#	1-645	
SPVEHD	1-12#	1-429	1-433 1-438*
SPVEHE	1-13#	1-640	1-644 1-649*
SSPBUF	1-28#	1-757	
SSPEND	1-28#	1-757	
SUB06	1-21#	1-35#	
SUB06E	1-37	1-42#	
SUB07	1-21#	1-48#	
SUB07E	1-50	1-55#	
SUB10	1-21#	1-60#	
SUB10A	1-62#	1-67	
SUB10B	1-63	1-68#	
SUB10E	1-73#		
SUB15	1-21#	1-79#	
SUB20	1-21#	1-89#	
SUB20A	1-101	1-103#	
SUB20B	1-102	1-105#	
SUB20E	1-104	1-107#	
SUB25	1-21#	1-113#	
SUB26	1-22#	1-121#	
SUB27	1-21#	1-131#	
SUB29	1-22#	1-141#	
SUB33	1-22#	1-149#	
SUB33A	1-156	1-161#	
SUB33D	1-158	1-169#	
SUB33E	1-168	1-170#	
SUB34	1-22#	1-176#	
SUB34A	1-180	1-183#	
SUB34E	1-186	1-190#	
SUB35	1-22#	1-197#	
SUB36	1-22#	1-211#	
SUB37	1-22#	1-221#	
SUB37E	1-224	1-226#	
SUB38	1-23#	1-231#	
SUB38E	1-237	1-246#	
SUB42	1-23#	1-251#	
SUB42E	1-257	1-265#	
SUB44	1-23#	1-270#	
SUB44A	1-271*	1-272*	1-276#
SUB44B	1-273*	1-274*	1-277#
SUB45	1-23#	1-285#	
SUB45A	1-288*	1-289*	1-293#
SUB45B	1-290*	1-291*	1-294#

SUB45E	1-287	1-295#					
SUB46	1-23#	1-302#					
SUB46A	1-304#						
SUB46B	1-305	1-308#	1-312				
SUB46C	1-307	1-313#					
SUB46D	1-309	1-314#					
SUB60	1-24#	1-320#					
SUB60A	1-323#	1-324					
SUB60E	1-325	1-327#					
SUB61	1-24#	1-334#					
SUB61A	1-335*	1-339#					
SUB61E	1-336	1-340#					
SUB71	1-24#	1-346#					
SUB71A	1-352#						
SUB71E	1-353#						
SUB72	1-24#	1-359#					
SUB72A	1-363#						
SUB72E	1-364#						
SUB73	1-24#	1-375#					
SUB73A	1-378#	1-381					
SUB73B	1-379	1-383#					
SUB73C	1-382	1-384#					
SUB73D	1-376	1-389#					
T	1-20#	1-164*	1-166	1-667#			
TCBELL	1-13#	1-692#					
TCO	1-16#	1-154*	1-165*	1-166*	1-167*	1-242	1-261
	1-447	1-524	1-527	1-544*	1-547*	1-590	1-671#
TCROUT	1-589	1-698#					
THREE	1-17#	1-754#	1-756				
TTYBUF	1-14#	1-91*	1-92*	1-93*	1-94*	1-95	1-96
TYETAB	1-17#	1-757#					
VALNO	1-27#	1-397					
VALVID	1-27#	1-414					
VEHQUE	1-12#	1-14#					
VID	1-16#	1-114*	1-241	1-260	1-349	1-413	1-438
	1-486	1-495	1-504	1-536*	1-649	1-670#	
VNO	1-103*	1-105*	1-669#				
VSTADR	1-16#	1-113	1-197	1-243	1-262	1-302	1-311*
	1-400*	1-411*	1-417*	1-456	1-474	1-518	1-543
	1-619	1-631	1-675#				
VSTAT	1-12#	1-304					
VSTEND	1-13#	1-306					
VVV	1-20#	1-95*	1-96*	1-398	1-665#	1-756	
VVVX	1-20#	1-691#	1-756				
WTVREF	1-27#	1-202					
YY	1-20#	1-666#					

...CM1	1-6#	
...CM2	1-6#	
...CM3	1-6#	
...CM4	1-6#	
..V2..	1-5#	1-6
.REGDE	1-5#	1-7

.....

```

1 .ENABL AMA
2 .TITLE PRHIST
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```

``` BASE STATION VEHICLE RECENT HISTORY PRINTOUT ```

```

THE PR HISTORY PRINT PROGRAM WILL PRINT THE LOCATION
AND STATUS HISTORY OF A TRUCK. THE PRINT CAN BE REQUESTED
FOR THE CURRENT DAY, THE PRIOR DAY, OR TWO DAYS PRIOR TO
CURRENT DAY.

```

```

THIS PRINT IS CALLED WHEN A RECENT HISTORY PRINT IS
REQUESTED FOR A CERTAIN VEHICLE. THE VEHICLE NUMBER IS
OBTAINED FROM A PHYSICAL DEVICE TABLE AND THE VEHICLE IN-
FORMATION IS OBTAINED FROM ONE OF THREE ROTATINE FILES FOR
EACH VEHICLE. THE PROGRAM DETERMINES WHICH FILE TO USE
BASED ON THE VALUE OF TDFILE (A GLOBAL INDICATING WHICH
FILE IS TODAY'S DATA), AND THE REQUESTED DAY, PASSED IN
THE PHYSICAL DEVICE TABLE. IT RESCHEDULES ITSELF UNTIL ALL
THE INFORMATION IN THE FILE HAS BEEN PRINTED, THUS ALLOWING
ITSELF TO BE A BATCH PROCESS IN A REAL TIME SYSTEM.

```

```

SUBROUTINE CALL:

```

```

JSR R5,PRHIST

```

```

.MCALL ..V2....REGDEF

```

```

..V2..
.REGDEF

```

```

.NLIST BEX

```

```

.GLOBAL PRHSK3,PRHSK5,PDTK3,PDTK5

```

```

.GLOBAL MOVC3,MOVC3X,MOVC5,MOVC5X

```

```

.GLOBAL K3FLAG,K5FLAG

```

```

.GLOBAL VSTAT

```

```

.GLOBAL PDTP1

```

```

.GLOBAL R50ASC,BN2DEC

```

```

.GLOBAL FNDREC,GETSTR

```

```

.GLOBAL MESSP1

```

```

.GLOBAL FNDBUF,VOLATL,RLSBUF

```

```

.GLOBAL BSFLAG

```

```

.GLOBAL CNVRA,FNDSTR,SAVREG,RSTREG

```

```

.GLOBAL CTFILE

```

```

.GLOBAL HOURS,MINS,HALF

```

```

.GLOBAL MOVBUF

```

```

.GLOBAL PRHIST

```

```

.GLOBAL MOVPIX,TDFILE,GTRHF,VALVID

```

```

.GLOBAL T1,T2,T3,T4,T5,T6,T7,T8,T9,T10,T11,T12,T13,T14

```

```

.GLOBAL T15,T16,T17,T18,T19,TA1,TA2,TA3,TEND

```

```

54      ;      SAVE REGISTERS
55      ;
56 00000 010546 PRHIST: MOV    R5, -(SP)
57 00002 004537      JSR     R5, SAVREG
58 00006 012737      MOV     #PDT1, PDTADR
59 00014 012737      MOV     #BSFLAG, FLAGAD
60 00022 012737      MOV     #MOVP1X, MOVADX
61 00030 000437      BR      CHECK
62 00032 010546 PRHSK3: MOV    R5, -(SP)
63 00034 004537      JSR     R5, SAVREG
64 00040 012737      MOV     #PDTK3, PDTADR
65 00046 012737      MOV     #K3FLAG, FLAGAD
66 00054 012737      MOV     #MOVC3, MOVADR
67 00062 012737      MOV     #MOVC3X, MOVADX
68 00070 000417      BR CHECK
69 00072 010546 PRHSK5: MOV    R5, -(SP)
70 00074 004537      JSR     R5, SAVREG
71 00100 012737      MOV     #PDTK5, PDTADR
72 00106 012737      MOV     #K5FLAG, FLAGAD
73 00114 012737      MOV     #MOVC5, MOVADR
74 00122 012737      MOV     #MOVC5X, MOVADX
75 00130 013701 CHECK:  MOV    PDTADR, R1
76 00134 032711      BIT     #1, (R1)
77      ;      CHECK ENABLE/DISABLE FLAG IN PDT
78      ;
79 00140 001404      BEQ     CONT          ; RETURN IF DEVICE DISABLED
80      ;
81      ;      RESTORE REGISTERS
82 00142 004537 RET:  JSR     R5, RSTREG
83 00146 012605      MOV     (SP)+, R5
84 00150 000205      RTS      R5          ; RETURN
85 00152 032711 CONT:  BIT     #2, (R1)    ; NEW DISPLAY ?
86 00156 001402      BEQ     NEW
87 00160 000137      JMP     CONTL        ; NOT NEW CONTINUE
88      ;
89 00164 005737 NEW:  TST     BSYFLG
90 00170 001364      BNE     RET
91 00172 012737      MOV     #1, BSYFLG
92 00200 052711      BIS     #6, (R1)
93 00204 013702      MOV     FLAGAD, R2
94 00210 052712      BIS     #4000, (R2)   ; SET UP FOR REENTRY
95 00214 016137      MOV     10, (R1), VEH   ; MOVE VEHICLE # TO OUTPUT
96 00222 116137      MOVB    12, (R1), VEH+2
97      ;
98      ;
99 00230 005037      CLR     FLAG1          ; CLEAR
100 00234 005037      CLR     FLAG2          ; FLAGS
101 00240 005037      CLR     FLAG3
102 00244 116137      MOVB    13, (R1), FLAG3
103 00252 063737      ADD     TDFILE, FLAG3   ; ADD TODAYS POINTER
104 00260 162737 LP3:  SUB     #3, FLAG3
105 00266 100401      BMI     OLP3          ; FIND FILE
106 00270 000773      BR      LP3          ; MOD 3

```



```

107 0272 062737 OLP3:  ADD      #3.FLAG3
108                      ;
109 0300 012701      MOV      #TABH,R1
110 0304 004037      JSR      R0,DISPLA
111                      ;
112                      ;
113                      ; GET A 256 WORD BUFFER
114 0310 004037      JSR      R0,GETIT
115 0314 013737      MOV      BUFA,BUF1
116 0322 005737      TST      BUFA          ; SEE IF BUFFER FOUND
117 0326 001002      BNE      READIT
118 0330 000137      JMP      ENDIT1
119 0334 013701 READIT: MOV      PDTADR,R1
120 0340 016102      MOV      8.(R1),R2      ; ADDRESS VSTAT THIS VEHICLE
121 0344 016201      MOV      18.(R2),R1     ; VEHICLE # RAD 50
122 0350 012703      MOV      #1,R3         ; BLOCK #
123 0354 012737      MOV      #1,BREAD
124 0362 013704      MOV      BUF1,R4       ; BUFFER ADDRESS
125 0366 013702      MOV      FLAG3,R2      ; FILE TO BE USED
126                      ;
127 0372 004537      JSR      R5,GTRHF      ; READ FIRST RECORD
128 0376 005700      TST      R0            ; AN ERROR ?
129 0400 001402      BEQ      GOT          ; NO
130 0402 000137      JMP      MESSA
131 0406 013701 GOT:  MOV      BUFA,R1      ; ADDRESS OF BUFFER
132 0412 011137      MOV      (R1),BLOCKS   ; # BLOCKS THIS FILE
133 0416 016137      MOV      2(R1),RECS   ; # RECORDS THIS FILE
134 0424 005037      CLR      READ         ; # RECORDS DISPLAYED
135 0430 005037      CLR      FLAG2
136 0434 005737      TST      RECS          ; SEE IF ANY RECORDS
137 0440 001002      BNE      GOTC         ; HAVE SOME
138 0442 000137      JMP      ENDIT        ; NO RECORDS
139 0446 000137 GOTC: JMP      RET          ; RETURN FOR REENTRY
140                      ;
141                      ;
142                      ;
143 0452 022737 CONTL: CMP      #35,FLAG2   ; COMPARE FOR MAX RECORDS
144 0460 100034      BPL      DOIT          ; STILL IN THIS BLOCK
145                      ;
146 0462 005237      INC      BREAD         ; NEXT BLOCK TO BE READ
147 0466 023737      CMP      BLOCKS,BREAD
148 0474 100002      BPL      SREAD
149 0476 000137      JMP      ENDIT        ; NO MORE BLOCKS RETURN
150 0502 013701 SREAD: MOV      PDTADR,R1
151 0506 016102      MOV      8.(R1),R2
152 0512 016201      MOV      18.(R2),R1   ; VEHICLE # RAD50
153 0516 013703      MOV      BREAD,R3     ; BLOCK 83
154 0522 013702      MOV      FLAG3,R2     ; FILE #
155 0526 013704      MOV      BUF1,R4      ; BUFFER ADDRESS
156                      ;
157 0532 004537      JSR      R5,GTRHF      ; READ FILE
158 0536 005700      TST      R0
159 0540 001402      BEQ      DOIT1

```

```

160 0542 000137      JMP      MESSA      ; ERROR
161 0546 005037 DOIT1: CLR      FLAG2    ; # RECS DISPLAYED THIS BLOCK
162                ;
163 0552 013701 DOIT:  MOV      BUF1,R1   ; FIND ADDRESS OF CURRENT RECORD
164 0556 062701      ADD      #4,R1
165 0562 013702      MOV      FLAG2,R2   ; RECORD OFFSET INTO BLOCK
166 0566 005702 TST:   TST      R2        ; IF ZERO HAVE ADDRESS
167 0570 001404      BEQ      ADDR      ;
168 0572 062701      ADD      #14,R1     ; ADD OFFSET FOR 1 RECORD
169 0576 005302      DEC      R2
170 0600 000772      BR       TST
171 0602 010137 ADDR:  MOV      R1,SAVAD   ; ADDRESS OF RECORD
172 0606 116102      MOV      B.(R1),R2  ; POINTER TO CITY FILE RECORD
173 0612 162702      SUB      #1,R2     ; SUBTRACT 1
174 0616 010203      MOV      R2,R3     ; AND MULT BY 3
175 0620 060203      ADD      R2,R3     ; TO FIND OFFSET
176 0622 060203      ADD      R2,R3
177 0624 060203      ADD      R2,R3
178 0626 060203      ADD      R2,R3
179 0630 060203      ADD      R2,R3
180 0632 062703      ADD      #CTFILE,R3
181 0636 010337      MOV      R3,TABC    ; ADDRESS OF SOURCE
182 0642 012737      MOV      #LOC3,TB3  ; DESTINATION
183 0650 012703      MOV      #TABC,R3   ; ADDRESS OF TABLE FOR CONVERSE
184 0654 004037      JSR      R0,CNVRA   ; CONVERT RAD50 TO ASCII
185 0660 004037      JSR      R0,GETIT
186 0664 013737      MOV      BUFA,BUF2
187 0672 005737      TST      BUFA
188 0676 001002      BNE      GOTOIT
189 0700 000137      JMP      ENDIT
190                ; FIND STREET RECORD FROM RECORD #
191 0704 013701 GOTOIT: MOV      SAVAD,R1  ; RESTORE R1
192 0710 016102      MOV      4.(R1),R2   ; POINTER TO STREET #1
193 0714 013703      MOV      BUFA,R3
194 0720 004037      JSR      R0,FNDSTR   ; FIND STREET RECORD
195 0724 010337      MOV      R3,TABC
196 0730 012737      MOV      #LOC1,TB3   ; DESTINATION
197 0736 012703      MOV      #TABC,R3
198 0742 004037      JSR      R0,CNVRA
199 0746 013701      MOV      SAVAD,R1
200 0752 016102      MOV      6.(R1),R2
201 0756 013703      MOV      BUFA,R3
202 0762 004037      JSR      R0,FNDSTR
203 0766 010337      MOV      R3,TABC    ; SOURCE
204 0772 012737      MOV      #LOC2,TB3   ; DESTINATION
205 1000 012703      MOV      #TABC,R3
206 1004 004037      JSR      R0,CNVRA   ; CONVERT STREET 2
207 1010 013737      MOV      BUF2,BUFR  ; BUFFER TO RELEASE
208 1016 004537      JSR      R5,RLSBUF
209 1022 000000 BUFR:  .WORD      0
210                ;
211                ; CONVERT TIME
212                ;

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```

213 1024 013701      MOV      SAVAD,R1
214 1030 116104      MOV      11.(R1),R4      ; TIME
215 1034 042704      BIC      #177400,R4      ; CLRAR TOP
216 1040 006204      ASR      R4
217 1042 006204      ASR      R4      ; SHIFT OUT
218 1044 006204      ASR      R4      ; TOP PART OF
219 1046 006204      ASR      R4      ; MINUTES
220 1050 004537      JSR      R5,BN2DEC
221 1054 016437      MOV      4(R4),TIME      ; HOURS
222
223 1062 013701      MOV      SAVAD,R1
224 1066 016104      MOV      10.(R1),R4      ; TIME
225 1072 042704      BIC      #170077,R4      ; CLEAR ALL BUT MINUTES
226 1076 006204      ASR      R4      ; SHIFT MINUTES TO LOW ORDER
227 1100 006204      ASR      R4
228 1102 006204      ASR      R4
229 1104 006204      ASR      R4
230 1106 006204      ASR      R4
231 1110 006204      ASR      R4
232 1112 004537      JSR      R5,BN2DEC
233 1116 016437      MOV      4(R4),TIME2      ; MINUTES
234
235 1124 013701      MOV      SAVAD,R1
236 1130 016104      MOV      10.(R1),R4      ; TIME
237 1134 042704      BIC      #177700,R4      ; CLEAR ALL BUT SECONDS
238 1140 004537      JSR      R5,BN2DEC
239 1144 016437      MOV      4(R4),TIME3      ; SECONDS
240
241 1152 012737      MOV      #" ,TYPE
242 1160 012737      MOV      #" ,TYPE+2
243 1166 012737      MOV      #" ,TYPE+4
244 1174 012737      MOV      #" ,DUR
245 1202 012737      MOV      #L4,TABL NK+4
246 1210 162737      SUB      #DUR,TABL NK+4
247 1216 162737      SUB      #2,TABL NK+4
248 1224 012701      MOV      #TABL NK,R1
249 1230 012702      MOV      #DUR,R2
250 1234 012703      MOV      #DUR+2,R3
251 1240 004537      JSR      R5,MOVBUF
252
253 1244 012701      MOV      #TAB1,R1
254 1250 005711      GT1:    TST      (R1)
255 1252 001436      BEQ      THRU1      ; IF ZERO THRU
256 1254 005002      CLR      R2
257 1256 013703      MOV      SAVAD,R3
258 1262 116302      MOV      2(R3),R2
259 1266 121102      CMPB     (R1),R2      ; COMPARE TYPE
260 1270 001007      BNE      NXT1
261 1272 016137      MOV      2(R1),ATYP      ; ADDRESS TYPE
262 1300 016137      MOV      4(R1),TLENG      ; LENGTH TYPE
263 1306 000403      BR       MOVIT1
264 1310 062701      NXT1:   ADD      #6.,R1      ; GET TO NEXT ENTRY IN TABLE
265 1314 000755      BR       GT1

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CONTINUED

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266 1316 012701 MOVIT1: MOV #TABTYP,R1 ; ADDRESS TYPE
267 1322 013702 MOV ATYP,R2 ; SOURCE ADDRESS
268 1326 013737 MOV TLENG,TABTYP+4 ; # CHARS
269 1334 012703 MOV #TYPE,R3 ; DESTINATION
270 1340 004537 JSR R5,MOVBUF
271 1344 000137 JMP PRINTR
272 1350 012701 THRU1: MOV #TAB2,R1
273 1354 005711 GT2: TST (R1)
274 1356 001442 BEQ THRU2 ; IF ZERO THRU
275 1360 005002 CLR R2
276 1362 013703 MOV SAVAD,R3 ; ADDRESS RECORD
277 1366 116302 MOVB 2(R3),R2 ; TYPE
278 1372 121102 CMPB (R1),R2 ; COMPARE TYPE
279 1374 001007 BNE NXT2
280 1376 016137 MOV 2(R1),ATYP ; ADDRESS TYPE
281 1404 016137 MOV 4(R1),TLENG ; # CHARS
282 1412 000403 BR CNV2
283 1414 062701 NXT2: ADD #6.,R1 ; GET TO NEXT ENTRY
284 1420 000755 BR GT2
285 1422 013703 CNV2: MOV SAVAD,R3 ; ADDRESS RECORD
286 1426 016304 MOV 12.(R3),R4 ; DURATION
287 1432 004537 JSR R5,BN2DEC ; CONVERT DURATION
288 1436 016437 MOV 0(R4),DUR ;
289 1444 016437 MOV 2(R4),DUR+2 ; MOVE TO OUTPUT
290 1452 016437 MOV 4(R4),DUR+4 ;
291 1460 000137 JMP MOVIT1
292 1464 012701 THRU2: MOV #TAB3,R1
293 1470 005711 GT3: TST (R1)
294 1472 001433 BEQ THRU3 ; IF ZERO TABLE AT END
295 1474 005002 CLR R2
296 1476 013703 MOV SAVAD,R3 ; ADDRESS RECORD
297 1502 116302 MOVB 2(R3),R2 ; TYPE
298 1506 121102 CMPB (R1),R2 ; COMPARE TYPE
299 1510 001021 BNE NXT3
300 1512 126163 CMPB 2(R1),3(R3) ; COMPARE #
301 1520 001015 BNE NXT3
302 1522 016137 MOV 4(R1),ATYP ; ADDRESS TYPE
303 1530 012737 MOV #6,TLENG
304 1536 016137 MOV 6(R1),ADESC ; ADDRESS DESCRIPTION
305 1544 016137 MOV 8.(R1),LDESC ; LENGTH DESC
306 1552 000405 BR MOVIT2
307 1554 062701 NXT3: ADD #10.,R1 ; GET TO NEXT TABLE ENTRY
308 1560 000743 BR GT3
309 1562 000137 THRU3: JMP PRINTR
310 1566 013702 MOVIT2: MOV ADESC,R2 ; SOURCE ADDRESS
311 1572 013737 MOV LDESC,TABDES+4 ; # CHARS
312 1600 012703 MOV #DUR,R3 ; DESTINATION
313 1604 012701 MOV #TABDES,R1 ; TABLE ADDRESS
314 1610 004537 JSR R5,MOVBUF
315 1614 013703 MOV SAVAD,R3 ; LOOK FOR
316 1620 122763 CMPB #7,3(R3) ; 2 VEHICLES
317 1626 001021 BNE NOPE
318 1630 122763 CMPB #*B,2(R3)
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319 1636 00:015      BNE      NOPE
320 1640 013737      MOV      VEH,DUR
321 1646 013737      MOV      VEH+2,DUR+2
322 1654 016337      MOV      12,(R3),WORK      ; RAD50 2ND VEHICLE
323 1662 012703      MOV      #TAB2R,R3
324 1666 004037      JSR      R0,CNVRA      ; CONNECT VEH #
325 1672 000137      NOPE:    JMP      MOVIT1
326 1676 012701      PRINTR:  MOV      #TABL,R1
327 1702 004037      JSR      R0,DISPLAY      ; WRITE LINE
328 1706 005237      INC      READ      ; INCREMENT # DISPLAYED
329 1712 005237      INC      FLAG2
330 1716 023737      CMP      READ,RECS      ; ANY MORE
331 1724 100011      BPL      ENDIT
332 1726 013702      MOV      FLAGAD,R2
333 1732 052712      BIS      #4000,(R2)      ; SET UP FOR REENTRY
334 1736 000137      JMP      RET
335
336 1742 005002      MESSA:    CLR      R2
337 1744 004537      JSR      R5,MESSP1
338 1750 013737      ENDIT:    MOV      BUF1,BUF
339 1756 004537      JSR      R5,RLSBUF
340 1762 000000      BUF:      .WORD      0
341 1764 013701      ENDIT1:   MOV      PDTADR,R1
342 1770 042711      BIC      #6,(R1)
343 1774 005037      CLR      BSYFLG
344 2000 013702      MOV      FLAGAD,R2
345 2004 042712      BIC      #4000,(R2)
346 2010 000137      JMP      RET
347
348
349
350 2014 005711      DISPLA:    TST      (R1)      ; IF ZERO THEN PROCESS THRU
351 2016 00:430      BEQ      DRET
352 2020 012137      MOV      (R1)+,SRCC1      ; ADDRESS OF SOURCE
353 2024 012137      MOV      (R1)+,CHRC1      ; # OF CHARACTERS TO PRINT
354 2030 005037      CLR      ERRCNT
355 2034 013702      CMOV:     MOV      MOVADX,R2
356 2040 004512      JSR      R5,(R2)
357 2042 000000      SRCC1:    .WORD      0      ; SOURCE ADDRESS
358 2044 000000      CHRC1:    .WORD      0      ; # CHARACTERS
359 2046 000000      ERRC1:    .WORD      0      ; ERROR RETURN
360 2050 005737      TST      ERRC1      ; IF ZERO, PROCESS ACCEPTED
361 2054 00:757      BEQ      DISPLA      ; GO TO NEXT ENTRY IN TABLE
362 2056 005237      INC      ERRCNT
363 2062 013702      MOV      PDTADR,R2
364 2066 023762      CMP      ERRCNT,2(R2)      ; TEST FOR MAXIMUM ERRORS
365 2074 100002      BPL      JRET      ; CANNOT OUTPUT TO PRINT EXIT SUBRT
366 2076 000756      BR       CMOV:
367 2100 000200      DRET:     RTS      R0      ; RETURN FROM DISPLA
368
369 2102 000137      JRET:     JMP      ENDIT      ; RETURN FROM PRHIST
370
371

```

FIND AVAILABLE 256 WORD BUFFER

```

372      ;
373 2106 010046 GETIT: MOV    R0, -(SP)
374 2110 005002      CLR    R2
375 2112 004537 TRY:   JSR    R5, FNDBUF
376 2116 000000 BUFA:  .WORD  0
377 2120 005737      TST    BUFA
378 2124 001014      BNE    BUFOK      ; FOUND A BUFFER
379 2126 005202      INC     R2
380 2130 020237      CMP    R2, VOLATL  ; LIMIT REACHED?
381 2134 100366      BPL    TRY        ; NO
382 2136 005001      CLR    R1
383 2140 012700      MOV    #54, R0
384 2144 005002      CLR    R2
385 2146 004537      JSR    R5, MESSP1  ; OUTPUT ERROR MESSAGE
386 2152 005037      CLR    BUFA
387 2156 012600 BUFOK: MOV    (SP)+, R0  ; RETURN
388 2160 000200      RTS    R0
389      ;
390      ;
391 2162 010046 FNDSTR: MOV    R0, -(SP)
392 2164 010337      MOV    R3, BUFAX
393 2170 004537      JSR    R5, FNDREC
394 2174 010337      MOV    R3, BLOC
395 2200 010437      MOV    R4, OFF
396 2204 013704      MOV    BUFAX, R4
397 2210 004537      JSR    R5, GETSTR  ; READ A RECORD OF STFILE
398 2214 005700      TST    R0
399 2216 001404      BEQ    FCONT
400 2220 005001      CLR    R1
401 2222 005002      CLR    R2
402 2224 004537      JSR    R5, MESSP1
403 2230 013703 FCONT: MOV    BUFAX, R3  ; ADDRESS OF BUFFER
404 2234 0063703     ADD    OFF, R3      ; OFFSET
405 2240 012600      MOV    (SP)+, R0
406 2242 000200      RTS    R0
407 2244 010046 CNVRA: MOV    R0, -(SP)
408 2246 011302 CNVRA2: MOV    (R3), R2
409 2250 005702      TST    R2
410 2252 001417      BEQ    CRETX
411 2254 012337      MOV    (R3)+, TABXX+4
412 2260 012337      MOV    (R3)+, TABC+2
413 2264 012337      MOV    (R3)+, TABXX+6
414 2270 010337      MOV    R3, SAV3
415 2274 012705      MOV    #TABXX, R5
416 2300 004737      JSR    PC, R50ASC
417 2304 013703      MOV    SAV3, R3
418 2310 000756      BR     CNVRA2
419 2312 012600 CRETX: MOV    (SP)+, R0
420 2314 000200      RTS    R0
421 2316 000000 PDTADR: .WORD  0
422 2320 000000 FLAGAD: .WORD  0
423 2322 000000 MOVADR: .WORD  0
424 2324 000000 MOVADX: .WORD  0

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425 2326 000000 BSYFLG: .WORD 0
426 2330 000003 TABXX: .WORD 3
427 2332 003350 .WORD TABC+2
428 2334 003346 .WORD TABC
429 2336 003352 .WORD TABC+4
430 2340 000000 BUFAX: .WORD 0
431 2342 000000 TABLNK: .WORD 0,0,0,-1
432 2352 000000 ATYP: .WORD 0
433 2354 000000 TLENG: .WORD 0
434 2356 000000 ADESC: .WORD 0
435 2360 000000 LDESC: .WORD 0
436 2362 000000 TABDES: .WORD 0,0,0,-1
437 2372 000000 TABTYP: .WORD 0,0,0,-1
438 2402 000000 WORK: .WORD 0
439 2404 000000 OFF: .WORD 0
440 2406 000000 ERRCNT: .WORD 0
441 2410 000000 SAV3: .WORD 0
442 2412 000000 BLOC: .WORD 0
443 2414 002402 TAB2R: .WORD WORK,3,DUR+4,0
444 ;
445 ; TABLE-NO DURATION - TYPE, MOVE TO TYPE-OUT,LENGTH
446 2424 020104 TAB1: .WORD "D ,DX1,DX2-DX1
447 2432 020106 .WORD "F ,DX2,DX3-DX2
448 2440 020107 .WORD "G ,DX3,DX4-DX3
449 2446 020110 .WORD "H ,DX4,DX5-DX4
450 2454 000000 .WORD 0
451 ;
452 ; TABLE FOR DURATION TYPE,MOVE TO OUTPUT,LENGTH
453 2456 020101 TAB2: .WORD "A ,DX5,DX6-DX5
454 2464 020105 .WORD "E ,DX6,DX7-DX6
455 2472 020111 .WORD "I ,DX7,DX8-DX7
456 2500 000000 .WORD 0
457 ;
458 ; TYPE, # , MOVE TO TYPE, DESC , LENGTH
459 ;
460 2502 020103 TAB3: .WORD "C ,0,DX9,TA2,TA3-TA2
461 2514 020103 .WORD "C ,1,DX9,TA1,TA2-TA1
462 2526 020103 .WORD "C ,3,DX9,TA3,TEND-TA3
463 2540 020102 .WORD "B ,1,DX8,T1,T2-T1
464 2552 020102 .WORD "B ,2,DX8,T2,T3-T2
465 2564 020102 .WORD "B ,3,DX8,T3,T4-T3
466 2576 020102 .WORD "B ,4,DX8,T4,T5-T4
467 2610 020102 .WORD "B ,5,DX8,T5,T6-T5
468 2622 020102 .WORD "B ,6,DX8,T6,T7-T6
469 2634 020102 .WORD "B ,7,DX8,T7,T8-T7
470 2646 020102 .WORD "B ,8,DX8,T8,T9-T8
471 2660 020102 .WORD "B ,9,DX8,T9,T10-T9
472 2672 020102 .WORD "B ,10,DX8,T10,T11-T10
473 2704 020102 .WORD "B ,11,DX8,T11,T12-T11
474 2716 020102 .WORD "B ,12,DX8,T12,T13-T12
475 2730 020102 .WORD "B ,13,DX8,T13,T14-T13
476 2742 020102 .WORD "B ,14,DX8,T14,T15-T14
477 2754 020102 .WORD "B ,15,DX8,T15,T16-T15

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478 2766 020102 .WORD "B .16..DX8.T16.T17-T16
479 3000 020102 .WORD "B .17..DX8.T17.T18-T17
480 3012 020102 .WORD "B .19..DX8.T19.TA1-T19
481 3024 000000 .WORD 0
482 3026 105 DX1: .ASCII /EDL /
483 3032 101 DX2: .ASCII /ALC /
484 3036 122 DX3: .ASCII /RACT/
485 3042 122 DX4: .ASCII /RADT/
486 3046 104 DX5: .ASCII /D /
487 3052 116 DX6: .ASCII /NDS /
488 3056 115 DX7: .ASCII /MILE/
489 3062 101 DX8: .ASCII /ALERT /
490 3070 101 DX9: .ASCII /ALARM /
491 3076 000000 DX10: .WORD 0
492 3100 040 L1: .ASCII / VEHICLE NO. /
493 3116 040 VEH: .ASCII / /
494 3122 015 .BYTE 15.12
495 3124 040 L2: .ASCII / TYPE LOCATION
496 3166 040 .ASCII / /
497 3176 124 .ASCII /TIME STOP DURATION /
498 3222 040 L3: .ASCII / /
499 3224 040 TYPE: .ASCII / /
500 3232 040 .ASCII / /
501 3234 040 LOC1: .ASCII / /
502 3246 040 LOC2: .ASCII / /
503 3260 040 LOC3: .ASCII / /
504 3272 040 .ASCII / /
505 3274 040 TIME: .ASCII / /
506 3276 000072 .WORD 072
507 3300 040 TIME2: .ASCII / /
508 3302 000072 .WORD 072
509 3304 040 TIME3: .ASCII / /
510 3306 040 .ASCII / /
511 3310 040 DUR: .ASCII /
512 3334 000000 L4: .WORD 0
513 3336 000003 TABX: .WORD 3.0.0.0
514 3346 000000 TABC: .WORD 0.9.
515 3352 000000 TB3: .WORD 0.0
516 3356 000000 FLAG1: .WORD 0
517 3360 000000 FLAG2: .WORD 0
518 3362 000000 FLAG3: .WORD 0
519 3364 000000 RECS: .WORD 0
520 3366 000000 BLOCKS: .WORD 0
521 3370 000000 READ: .WORD 0
522 3372 000000 BREAD: .WORD 0
523 3374 000000 SAVAD: .WORD 0
524 3376 000000 SAV1: .WORD 0
525 3400 000000 BUF1: .WORD 0
526 3402 000000 BUF2: .WORD 0
527 3404 003100 TABH: .WORD L1,L3-L1
528 3410 000000 .WORD 0
529 3412 003222 TABL: .WORD L3,L4-L3
530 3416 000000 .WORD 0

```

```

; HAS FILE BEEN READ
; # RECORDS READ THIS BLOCK
; FILE TO BE USED
; # RECORDS THIS FILE
; TOTAL BLOCKS THIS FILE
; # RECORDS DISPLAYED
; # BLKS READ

```

531 3420	122 T1:	.ASCII	/ROUTE ENTRY /
532 3434	131 T2:	.ASCII	/YARD EXIT /
533 3446	131 T3:	.ASCII	/YARD ENTRY/
534 3460	117 T4:	.ASCII	/OUT OF RT /
535 3472	117 T5:	.ASCII	/OUT OF BDRY /
536 3506	125 T6:	.ASCII	/UNAUTH STP/
537 3520	040 T7:	.ASCII	/ SME LOC.S ^T PD /
538 3546	113 T8:	.ASCII	/KY OFF.MOV/
539 3560	123 T9:	.ASCII	/ST MTY.MOV/
540 3572	122 T10:	.ASCII	/RDR.MOV /
541 3602	122 T11:	.ASCII	/RDR.ST OCC/
542 3614	114 T12:	.ASCII	/LDR.RDR /
543 3624	122 T13:	.ASCII	/RDR.KON /
544 3634	123 T14:	.ASCII	/ST MTY.KON/
545 3646	114 T15:	.ASCII	/LDR.KON /
546 3656	103 T16:	.ASCII	/CDR.MOV /
547 3666	103 T17:	.ASCII	/CDR.ST OCC/
548 3700	103 T18:	.ASCII	/CDR.LDR /
549 3710	103 T19:	.ASCII	/CDR.KON /
550 3720	103 TA1:	.ASCII	/CNTR MSR/
551 3730	123 TA2:	.ASCII	/STP.OUT OF RT.CDR /
552 3752	104 TA3:	.ASCII	/DRVR ALM/
553 3762	000000 TEND:	.WORD	0
554	000001	.END	

ADDR	000602R	ADESC	002356R	ATYP	002352R
BLOC	002412R	BLOCKS	003366R	BN2DEC=	***** G
BREAD	003372R	BSFLAG=	***** G	BSYFLG	002326R
BUFA	002116R	BUFAX	002340R	BUFOK	002156R
BUFR	001022R	BUFY	001762R	BUF:	003400R
BUF2	003402R	CHECK	000130R	CHRC1	002044R
CMDVP1	002034R	CNVRA	002244RG	CNVRA2	002246R
CNV2	001422R	CONT	000152R	CON'L	000452R
CRETX	002312R	CTFILE=	***** G	DISPLA	002014R
DOIT	000552R	DOIT1	000546R	DRE	002100R
DUR	003310R	DX1	003026R	DX10	003076R
DX2	003032R	DX3	003036R	DX4	003042R
DX5	003046R	DX6	003052R	DX7	003056R
DX8	003062R	DX9	003070R	END:T	001750R
ENDIT1	001764R	ERRCNT	002406R	ERRC1	002046R
FCONT	002230R	FLAGAD	002320R	FLAG1	003356R
FLAG2	003360R	FLAG3	003362R	FNDBUF=	***** G
FNDREC=	***** G	FNDSTR	002162RG	GET:T	002106R
GETSTR=	***** G	GOT	000406R	GOTC	000446R
GOTOIT	000704R	GTRHF =	***** G	GT1	001250R
GT2	001354R	GT3	001470R	HALF =	***** G
HOURS =	***** G	JRET	002102R	K3FLAG=	***** G
K5FLAG=	***** G	LDESC	002360R	LOC:	003234R
LOC2	003246R	LOC3	003260R	LP3	000260R
L1	003100R	L2	003124R	L3	003222R
L4	003334R	MESSA	001742R	MESSP1=	***** G
MINS =	***** G	MOVADR	002322R	MOVADX	002324R
MOVBUF=	***** G	MOV3 =	***** G	MOV3X=	***** G
MOVCS =	***** G	MOVCSX=	***** G	MOV:T1	001316R
MOVIT2	001566R	MOVPIX=	***** G	NEW	000164R
NOPE	001672R	NXT1	001310R	NXT2	001414R
NXT3	001554R	OFF	002404R	OLP3	000272R
PC	=%000007	PDTADR	002316R	PDTK3 =	***** G
PDTK5 =	***** G	PDTP1 =	***** G	PRH:ST	000000RG
PRHSK3	000032RG	PRHSK5	000072RG	PRINTR	001676R
READ	003370R	READIT	000334R	RECS	003364R
RET	000142R	RLSBUF=	***** G	RSTREG=	***** G
R0	=%000000	R1	=%000001	R2	=%000002
R3	=%000003	R4	=%000004	R5	=%000005
R50ASC=	***** G	SAVAD	003374R	SAVREG=	***** G
SAV1	003376R	SAV3	002410R	SP	=%000006
SRCC1	002042R	SREAD	000502R	TABC	003346R
TABDES	002362R	TABH	003404R	TABL	003412R
TABLNK	002342R	TABTYP	002372R	TABX	003336R
TABXX	002330R	TAB1	002424R	TAB2	002456R
TAB2R	002414R	TAB3	002502R	TA1	003720RG
TA2	003730RG	TA3	003752RG	TB3	003352R
TDFILE=	***** G	TEND	003762RG	THRU1	001350R
THRU2	001464R	THRU3	001562R	TIME	003274R
TIME2	003300R	TIME3	003304R	TLENG	002354R
TRY	002112R	TST	000566R	TYPE	003224R
T1	003420RG	T10	003572RG	T11	003602RG
T12	003614RG	T13	003624RG	T14	003634RG

T15	003646RG	T16	003656RG	T17	003666RG
T18	003700RG	T19	003710RG	T2	003434RG
T3	003446RG	T4	003460RG	T5	003472RG
T6	003506RG	T7	003520RG	T8	003546RG
T9	003560RG	VALID=	***** G	VEH	003116R
VOLATL=	***** G	VSTAT =	***** G	WORK	002402R
...V2 =	000001				
. ABS.	000000				
	003764				
	000				
	001				

ERRORS DETECTED: 0
FREE CORE: 17101. WORDS

.LP:PC:=PRH:ST.MAC

...V2	1-31#						
ADDR	1-167	1-171#					
ADESC	1-304*	1-310	1-434#				
ATYP	1-261*	1-267	1-280*	1-302*	1-432#		
BLOC	1-394*	1-442#					
BLOCKS	1-132*	1-147	1-520#				
BN2DEC	1-40#	1-220	1-232	1-238	1-287		
BREAD	1-123*	1-146*	1-147	1-153	1-522#		
BSFLAG	1-44#	1-59					
BSYFLG	1-89	1-91*	1-343*	1-425#			
BUF1	1-115*	1-124	1-155	1-163	1-338	1-525#	
BUF2	1-186*	1-207	1-526#				
BUFA	1-115	1-116	1-131	1-186	1-187	1-193	1-201
	1-376#	1-377	1-386*				
BUFAX	1-392*	1-396	1-403	1-430#			
BUFOK	1-378	1-387#					
BUFR	1-207*	1-209#					
BUFX	1-338*	1-340#					
CHECK	1-61	1-68	1-75#				
CHRC1	1-353*	1-358#					
CMOVP1	1-355#	1-366					
CNV2	1-282	1-285#					
CNVRA	1-45#	1-184	1-198	1-206	1-324	1-407#	
CNVRA2	1-408#	1-418					
CONT	1-79	1-85#					
CONTL	1-87	1-143#					
CRETX	1-410	1-419#					
CTFILE	1-46#	1-180					
DISPLA	1-110	1-327	1-350#	1-361			
DOIT	1-144	1-163#					
DOIT1	1-159	1-161#					
DRET	1-351	1-367#					
DUR	1-244*	1-246	1-249	1-250	1-288*	1-289*	1-290*
	1-312	1-320*	1-321*	1-443	1-511#		
DX1	1-446	1-446	1-482#				
DX10	1-491#						
DX2	1-446	1-447	1-447	1-483#			
DX3	1-447	1-448	1-448	1-484#			
DX4	1-448	1-449	1-449	1-485#			
DX5	1-449	1-453	1-453	1-486#			
DX6	1-453	1-454	1-454	1-487#			
DX7	1-454	1-455	1-455	1-488#			
DX8	1-455	1-463	1-464	1-465	1-466	1-467	1-468
	1-469	1-470	1-471	1-472	1-473	1-474	1-475
	1-476	1-477	1-478	1-479	1-480	1-489#	
DX9	1-460	1-461	1-462	1-490#			
ENDIT	1-138	1-149	1-189	1-331	1-338#	1-369	
ENDIT1	1-118	1-341#					
ERRC1	1-359#	1-360					
ERRCNT	1-354*	1-362*	1-364	1-440#			
FCONT	1-399	1-403#					
FLAG1	1-99*	1-516#					
FLAG2	1-100*	1-135*	1-143	1-161*	1-165	1-329*	1-517#
FLAG3	1-101*	1-102*	1-103*	1-104*	1-107*	1-125	1-154
	1-518#						
FLAGAD	1-59*	1-65*	1-72*	1-93	1-332	1-344	1-422#

FNDDBUF	1-43#	1-375					
FNDREC	1-41#	1-393					
FNDSTR	1-45#	1-194	1-202	1-391#			
GETIT	1-114	1-185	1-373#				
GETSTR	1-41#	1-397					
GOT	1-129	1-131#					
GOTC	1-137	1-139#					
GOTOIT	1-188	1-191#					
GT1	1-254#	1-265					
GT2	1-273#	1-284					
GT3	1-293#	1-308					
GTRHF	1-50#	1-127	1-157				
HALF	1-47#						
HOURS	1-47#						
JRET	1-365	1-369#					
K3FLAG	1-37#	1-65					
K5FLAG	1-37#	1-72					
L1	1-492#	1-527	1-527				
L2	1-495#						
L3	1-498#	1-527	1-529	1-529			
L4	1-245	1-512#	1-529				
LDESC	1-305*	1-311	1-435#				
LOC1	1-196	1-501#					
LOC2	1-204	1-502#					
LOC3	1-182	1-503#					
LP3	1-104#	1-106					
MESSA	1-130	1-160	1-336#				
MESSP1	1-42#	1-337	1-385	1-402			
MINS	1-47#						
MOVADR	1-66*	1-73*	1-423#				
MOVADX	1-60*	1-67*	1-74*	1-355	1-424#		
MOVBUF	1-48#	1-251	1-270	1-314			
MOVC3	1-36#	1-66					
MOVC3X	1-36#	1-67					
MOVC5	1-36#	1-73					
MOVC5X	1-36#	1-74					
MOVIT1	1-263	1-266#	1-291	1-325			
MOVIT2	1-306	1-310#					
MOVPIX	1-50#	1-60					
NEW	1-86	1-89#					
NOPE	1-317	1-319	1-325#				
NXT1	1-260	1-264#					
NXT2	1-279	1-283#					
NXT3	1-299	1-301	1-307#				
OFF	1-395*	1-404	1-439#				
OLP3	1-105	1-107#					
PDTADR	1-58*	1-64*	1-71*	1-75	1-119	1-150	1-341
	1-363	1-421#					
PDTK3	1-35#	1-64					
PDTK5	1-35#	1-71					
PDTP1	1-39#	1-58					
PRHIST	1-49#	1-56#					
PRHSK3	1-35#	1-62#					
PRHSK5	1-35#	1-69#					
PRINTR	1-271	1-309	1-326#				
R50ASC	1-40#	1-416					
READ	1-134*	1-328*	1-330	1-521#			

READIT	1-117	1-119#					
RECS	1-133*	1-136	1-330	1-519#			
RET	1-82#	1-90	1-139	1-334	1-346		
RLSBUF	1-43#	1-208	1-339				
RSTREG	1-45#	1-82					
SAV1	1-524#						
SAV3	1-414*	1-417	1-441#				
SAVAD	1-171*	1-191	1-199	1-213	1-223	1-235	1-257
	1-276	1-285	1-296	1-315	1-523#		
SAVREG	1-45#	1-57	1-63	1-70			
SRCC1	1-352*	1-357#					
SREAD	1-148	1-150#					
T1	1-51#	1-463	1-531#				
T10	1-51#	1-471	1-472	1-472	1-540#		
T11	1-51#	1-472	1-473	1-473	1-541#		
T12	1-51#	1-473	1-474	1-474	1-542#		
T13	1-51#	1-474	1-475	1-475	1-543#		
T14	1-51#	1-475	1-476	1-476	1-544#		
T15	1-52#	1-476	1-477	1-477	1-545#		
T16	1-52#	1-477	1-478	1-478	1-546#		
T17	1-52#	1-478	1-479	1-479	1-547#		
T18	1-52#	1-479	1-548#				
T19	1-52#	1-480	1-480	1-549#			
T2	1-51#	1-463	1-464	1-464	1-532#		
T3	1-51#	1-464	1-465	1-465	1-533#		
T4	1-51#	1-465	1-466	1-466	1-534#		
T5	1-51#	1-466	1-467	1-467	1-535#		
T6	1-51#	1-467	1-468	1-468	1-536#		
T7	1-51#	1-468	1-469	1-469	1-537#		
T8	1-51#	1-469	1-470	1-470	1-538#		
T9	1-51#	1-470	1-471	1-471	1-539#		
TA1	1-52#	1-461	1-461	1-480	1-550#		
TA2	1-52#	1-460	1-460	1-461	1-551#		
TA3	1-52#	1-460	1-462	1-462	1-552#		
TAB1	1-253	1-446#					
TAB2	1-272	1-453#					
TAB2R	1-323	1-443#					
TAB3	1-292	1-460#					
TABC	1-181*	1-183	1-195*	1-197	1-203*	1-205	1-412*
	1-427	1-428	1-429	1-514#			
TABDES	1-311*	1-313	1-436#				
TABH	1-109	1-527#					
TABL	1-326	1-529#					
TABL NK	1-245*	1-246*	1-247*	1-248	1-431#		
TABTYP	1-266	1-268*	1-437#				
TABX	1-513#						
TABXX	1-411*	1-413*	1-415	1-426#			
TB3	1-182*	1-196*	1-204*	1-515#			
TDFILE	1-50#	1-103					
TEND	1-52#	1-462	1-553#				
THRU1	1-255	1-272#					
THRU2	1-274	1-292#					
THRU3	1-294	1-309#					
TIME	1-221*	1-505#					
TIME2	1-233*	1-507#					
TIME3	1-239*	1-509#					
TLENG	1-262*	1-268	1-281*	1-303*	1-433#		

TRY	1-375#	1-381			
TST	1-166#	1-170			
TYPE	1-241*	1-242*	1-243*	1-269	1-499#
VALVID	1-50#				
VEH	1-95*	1-96*	1-320	1-321	1-493#
VOLATL	1-43#	1-380			
VSTAT	1-38#				
WORK	1-322*	1-438#	1-443		

...CM1	1-31#	
...CM2	1-31#	
...CM3	1-31#	
...CM4	1-31#	
..V2..	1-30#	1-31
REGDE	1-30#	1-32

.....

```

1      .ENABL AMA
2      .TITLE PRNORM
3
4
5      BASE STATION NORMAL PRINTOUT
6
7      SUBROUTINE CALL:
8
9      JSR      R5,PRNORM
10
11
12
13
14      .GLOBL PRNORM
15      .MCALL ..V2....REGDEF
16 000000 ..V2...
17 000000 .REGDEF
18      .NLIST BEX
19
20
21      .GLOBL VSTAT
22      .GLOBL PDTP1
23      .GLOBL R50ASC,BN2DEC
24      .GLOBL FNDREC,GETSTR
25      .GLOBL MESSP1
26      .GLOBL FNDBUF,VOLATL,RLSBUF
27      .GLOBL CTFIL
28      .GLOBL HOURS,MINS,HALF
29      .GLOBL MOVBUF
30      .GLOBL MOVPI,CMOVPI
31      .GLOBL CNVRA,SAVREG,RSTREG
32      .GLOBL VALVID
33      .GLOBL T1,T2,T3,T4,T5,T6,T7,T8,T9,T10
34      .GLOBL T11,T12,T13,T14,T15,T16,T17,T18,T19,TA1,TA2,TA3,TEND
35      ; SAVE REGISTERS
36 000000 010546 PRNORM: MOV      R5,-(SP)
37 000002 004537 JSR      R5,SAVREG
38
39      ;
40 000006 032737 ; CHECK ENABLE/DISABLE FLAG IN PDT
41 000014 001404 BIT      #400,PDTP1
42      ;
43      ;
44 000016 004537 RET: JSR      R5,RSTREG
45 000022 012605 MOV      (SP)+,R5
46 000024 000205 RTS      R5
47      ; GET VEHICLE
48 000026 012701 CONT: MOV      #L1,R1
49 000032 112721 C1:  MOVB     #40,(R1)+
50 000036 022701 CMP      #TYPE,R1
51 000042 100373 BPL      C1
52 000044 012701 MOV      #DESC,R1
53 000050 112721 C2:  MOVB     #40,(R1)+

```

; RETURN IF DEVICE DISABLED

; RETURN

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54 00054 022701      CMP      #L2,R1
55 00050 100373      BPL      C2
56 00062 013701      MOV      PDTP,+8.,R1      ; ADDRESS VSTAT THIS VEHICLE
57 00066 016137      MOV      18.(R1),WORK      ; VEH # RAD50
58 00074 012703      MOV      #TABV,R3
59 00100 004037      JSR      R0,CNVRA      ; CONVERT VEHICLE #
60
61 00104 013701      MOV      PDTP1+8.,R1      ; ADDRESS VSTAT
62 00110 116102      MOV      28.(R1),R2      ; POINTER TO CITY FILE RECORD
63 00114 010137      MOV      R1,SAV1      ; SAVE R1
64 00120 162702      SUB      #1,R2      ; SUBTRACT 1
65 00124 010203      MOV      R2,R3      ; AND MULT BY 3
66 00126 060203      ADD      R2,R3      ; TO FIND OFFSET
67 00130 060203      ADD      R2,R3
68 00132 060203      ADD      R2,R3
69 00134 060203      ADD      R2,R3
70 00136 060203      ADD      R2,R3
71 00140 062703      ADD      #CTFILE,R3
72 00144 010337      MOV      R3,TABC      ; ADDRESS OF SOURCE
73 00150 012737      MOV      #LOC3,TB3      ; DESTINATION
74 00156 012703      MOV      #TABC,R3      ; ADDRESS OF TABLE FOR CONVERSION
75 00162 004037      JSR      R0,CNVRA      ; CONVERT RAD50 TO ASCII
76
77 00166 004037      JSR      R0,GETIT
78
79
80
81 00172 013701      MOV      SAV1,R1      ; RESTORE R1
82 00176 062701      ADD      #30.,R1
83 00202 010137      MOV      R1,TABC
84 00206 012737      MOV      #LOC1,TB3      ; DESTINATION
85 00214 012703      MOV      #TABC,R3
86 00220 004037      JSR      R0,CNVRA
87 00224 013701      MOV      SAV1,R1
88 00230 062701      ADD      #36.,R1
89 00234 010137      MOV      R1,TABC
90 00240 012737      MOV      #LOC2,TB3      ; DESTINATION
91 00246 012703      MOV      #TABC,R3
92 00252 004037      JSR      R0,CNVRA      ; CONVERT STREET 2
93
94 00256 013737      MOV      BUFA,BUFR      ; BUFFER TO RELEASE
95 00264 004537      JSR      R5,RLSBUF
96 00270 000000      BUFR:  .WORD  0
97
98
99
100 0272 013704      MOV      HOURS,R4
101 0276 004537      JSR      R5,BN2DEC
102 0302 016437      MOV      4(R4),TIME      ; HOURS
103 0310 013704      MOV      MINS,R4
104 0314 004537      JSR      R5,BN2DEC
105 0320 016437      MOV      4(R4),TIME2      ; MINUTES
106 0326 012737      MOV      #P,AP

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107 0334 005737      TST      HALF      ; AM OR PM
108 0340 001403      BEQ      GOON
109 0342 012737      MOV      #"A",AP
110 0350 012737      GOON:    MOV      #BLANK,ATYP
111 0356 012737      MOV      #BLANK,ADESC
112 0364 012737      MOV      #20,TLENG
113 0372 012701      MOV      #TABTYP,R1
114 0376 013702      MOV      ATYP,R2
115 0402 012703      MOV      #TYPE,R3
116 0406 004537      JSR      R5,MOVBUF
117 0412 012701      MOV      #TABDES,R1
118 0416 013702      MOV      ADESC,R2
119 0422 012703      MOV      #DESC,R3
120 0426 004537      JSR      R5,MOVBUF
121 0432 012701      MOV      #DTAB,R1
122 0436 005711      GTST:    TST      (R1)
123 0440 100430      BMI      THRU      ; IF NEGATIVE THRU
124 0442 005002      CLR      R2
125 0444 113702      MOV      PDTP1+12.,R2      ; TEST PRIME BYTE
126 0450 021102      CMP      (R1),R2
127 0452 001020      BNE      NEXT      ; NOT EQUAL LOOK AT NEXT
128 0454 005002      CLR      R2
129 0456 113702      MOV      PDTP1+13.,R2
130 0462 026102      CMP      2(R1),R2      ; TEST SUB-BYTE
131 0466 001012      BNE      NEXT
132 0470 016137      MOV      4(R1),ATYP      ; ADDRESS TYPE
133 0476 016137      MOV      6(R1),ADESC      ; ADDRESS DESCRIPTION
134 0504 016137      MOV      8(R1),TLENG      ; LENGTH DESCRIPTION
135 0512 000414      BR      MOVIT
136 0514 062701      NEXT:    ADD      #10.,R1      ; GET TO NEXT ENTRY IN TABLE
137 0520 000746      BR      GTST
138
139 0522 012737      THRU:    MOV      #BLANK,ATYP      ; BLANK OUT TYPE
140 0530 012737      MOV      #BLANK,ADESC      ; AND DISC
141 0536 012737      MOV      #20.,TLENG
142
143 0544 012701      MOVIT:   MOV      #TABTYP,R1      ; ADDRESS TABLE
144 0550 013702      MOV      ATYP,R2      ; SOURCE ADDRESS
145 0554 012703      MOV      #TYPE,R3      ; DESTINATION
146 0560 004537      JSR      R5,MOVBUF      ; MOVE TYPE TO OUTPUT
147
148 0564 012701      MOV      #TABDES,R1      ; TABLE ADDRESS
149 0570 013702      MOV      ADESC,R2      ; ADDRESS SOURCE
150 0574 012703      MOV      #DESC,R3      ; ADDRESS DESTINATION
151 0600 004537      JSR      R5,MOVBUF
152
153
154
155 0604 122737      CMPB     #7,PDTP1+13.      ; TEST SUB-BYTE FOR 7
156 0612 001024      BNE      PRINT
157
158
159 0614 013737      MUST     MOVE VEHICLE TO DESC
MOV      VEH,DESC

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160 0622 013737      MOV      VEH+2,DESC+2
161                  ;
162                  ;      FIND SECOND VEHICLE #
163 0630 005003      CLR      R3
164 0632 113703      MOVVB    PDTP1+13.,R3      ; ID SECOND VEH
165 0636 004537      JSR      R5,VALVID      ; VALIDATE ID
166 0642 005701      TST      R1
167 0644 001007      BNE      PRINT      ; ID NOT VALID
168 0646 016237      MOV      18.(R2),WORK      ; VEH # RAD50
169 0654 012703      MOV      #TAB2,R3
170 0660 004037      JSR      R0,CNVRA      ; CONVERT VEH #
171                  ;
172                  ;
173 0664 005037 PRINT:  CLR      ERRCNT
174 0670 012737      MOV      #L1,SRCP1
175 0676 012737      MOV      #L2,CHRP1
176 0704 162737      SUB      #L1,CHRP1
177 0712 004537 CMOV1: JSR      R5,MOV1
178 0716 000000 SRCP1: .WORD    0
179 0720 000000 CHRP1: .WORD    0
180 0722 000000 ERRP1: .WORD    0
181 0724 005737      TST      ERRP1      ; ERROR ?
182 0730 001407      BEQ      POUT      ; NO
183 0732 005237      INC      ERRCNT
184 0736 023737      CMP      ERRCNT,PDTP1+2      ; MAX # ERRORS ?
185 0744 100001      BPL      POUT
186 0746 000761      BR       CMOV1
187 0750 000137 POUT:  JMP      RET      ; RETURN
188                  ;
189 0754 010046 GETIT: MOV      R0,-(SP)
190 0756 005002      CLR      R2
191                  ;
192                  ;      FIND AVAILABLE 256 WORD BUFFER
193                  ;
194 0760 004537 TRY:   JSR      R5,FNDBUF
195 0764 000000 BUFA: .WORD    0
196 0766 005737      TST      BUFA
197 0772 001012      BNE      BUFOK      ; FOUND A BUFFER
198 0774 005202      INC      R2
199 0776 020237      CMP      R2,VOLATL      ; LIMIT REACHED?
200 1002 100366      BPL      TRY      ; NO
201 1004 005001      CLR      R1
202 1006 012700      MOV      #15,R0
203 1012 005002      CLR      R2
204 1014 004537      JSR      R5,MESSP1      ; OUTPUT ERROR MESSAGE
205 1020 012600 BUFOK: MOV      (SP)+,R0
206 1022 000200      RTS      R0      ; RETURN
207                  ;
208                  ;
209 1024 001764 TAB2:  .WORD    WORK.3,DESC+4,0
210 1034 000000 TABDES: .WORD    0
211 1036 000000      .WORD    0
212 1040 000000 TLENG: .WORD    0

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```

213 1042 177777 .WORD -1
214 ;
215 1044 000000 TABTYP: .WORD 0,0,6,-1
216 ;
217 1054 000000 ATYP: .WORD 0
218 1056 000000 ADESC: .WORD 0
219 1060 000000 ERRCNT: .WORD 0
220 ; TABLE PRIME-BYTE, SUB-BYTE, MOVE TO TYPE, DESC, LENGTH
221 1062 000002 DTAB: .WORD 2,8,,ALERT,T8,10.
222 1074 000002 .WORD 2,9,,ALERT,T9,10.
223 1106 000002 .WORD 2,10,,ALERT,T10,8.
224 1120 000002 .WORD 2,11,,ALERT,T11,10.
225 1132 000002 .WORD 2,12,,ALERT,T12,8.
226 1144 000002 .WORD 2,13,,ALERT,T13,8.
227 1156 000002 .WORD 2,14,,ALERT,T14,10.
228 1170 000002 .WORD 2,15,,ALERT,T15,8.
229 1202 000002 .WORD 2,16,,ALERT,T16,8.
230 1214 000002 .WORD 2,17,,ALERT,T17,10.
231 1226 000002 .WORD 2,18,,ALERT,T18,8.
232 1240 000002 .WORD 2,19,,ALERT,T19,8.
233 1252 000016 .WORD 14,,8,,ALERT,T8,10.
234 1264 000016 .WORD 14,,9,,ALERT,T9,10.
235 1276 000016 .WORD 14,,10,,ALERT,T10,8.
236 1310 000016 .WORD 14,,11,,ALERT,T11,10.
237 1322 000016 .WORD 14,,12,,ALERT,T12,8.
238 1334 000016 .WORD 14,,13,,ALERT,T13,8.
239 1346 000016 .WORD 14,,14,,ALERT,T14,10.
240 1360 000016 .WORD 14,,15,,ALERT,T15,8.
241 1372 000016 .WORD 14,,16,,ALERT,T16,8.
242 1404 000016 .WORD 14,,17,,ALERT,T17,10.
243 1416 000016 .WORD 14,,18,,ALERT,T18,8.
244 1430 000016 .WORD 14,,19,,ALERT,T19,8.
245 1442 000017 .WORD 15,,1,,ALARM,TA1,8.
246 1454 000017 .WORD 15,,3,,ALARM,TA3,8.
247 1466 000020 .WORD 16,,0,ALARM,TA1,8.
248 1500 000022 .WORD 18,,1,,RALERT,T1,12.
249 1512 000022 .WORD 18,,2,,RALERT,T2,10.
250 1524 000022 .WORD 18,,3,,RALERT,T3,10.
251 1536 000022 .WORD 18,,4,,RALERT,T4,10.
252 1550 000022 .WORD 18,,5,,RALERT,T5,12.
253 1562 000022 .WORD 18,,6,,RALERT,T6,10.
254 1574 000022 .WORD 18,,7,,RALERT,T7,20.
255 1606 000023 .WORD 19,,0,ALARM,TA2,18.
256 1620 177777 .WORD -1
257 1622 101 ALERT: .ASCII /ALERT /
258 1630 122 RALERT: .ASCII /RALERT/
259 1636 101 ALARM: .ASCII /ALARM /
260 1644 040 LI: .ASCII / /
261 1646 040 VEH: .ASCII / / /
262 1652 040 .ASCII / / /
263 1654 040 TYPE: .ASCII / / /
264 1662 040 .ASCII / / /
265 1666 040 LOC1: .ASCII / / /

```

266	1700	040	LOC2:	.ASCII	/	
267	1712	040	LOC3:	.ASCII	/	/
268	1724	040		.ASCII	/	/
269	1726	040	TIME:	.ASCII	/	/
270	1730	000072		.WORD	072	
271	1732	040	TIME2:	.ASCII	/	/
272	1734	040	AP:	.ASCII	/	/
273	1736	040	DESC:	.ASCII	/	
274	1762	000000	L2:	.WORD	0	
275	1764	000000	WORK:	.WORD	0	
276	1766	000000	SAV1:	.WORD	0	
277	1770	000003	TABX:	.WORD	3	
278	1772	000000		.WORD	0.0.0	
279	2000	000000	TABC:	.WORD	0	
280	2002	000011		.WORD	9.	
281	2004	000000	TB3:	.WORD	0	
282	2006	000000		.WORD	0	
283	2010	00:764	TABV:	.WORD	WORK	: SOURCE
284	2012	000003		.WORD	3	: # CHARS
285	2014	00:646		.WORD	VEH	: DEST
286	2016	000000		.WORD	0	
287	2020	000000	BLOC:	.WORD	0	
288	2022	000000	SAV3:	.WORD	0	
289	2024	000000	OFF:	.WORD	0	
290	2026	040	BLANK:	.ASCII	/	
291			:			
292		000001		.END		

ADESC 001056R	ALARM 001636R	ALERT 001622R
AP 001734R	ATYP 001054R	BLANK 002026R
BLOC 002020R	BN2DEC= ***** G	BUFA 000764R
BUFOK 001020R	BUFR 000270R	CHRP1 000720R
CMOVP1 000712RG	CNVRA = ***** G	CON 000026R
CTFILE= ***** G	C1 000032R	C2 000050R
DESC 001736R	DTAB 001062R	ERRCNT 001060R
ERRP1 000722R	FNDBUF= ***** G	FNDREC= ***** G
GETIT 000754R	GETSTR= ***** G	GOON 000350R
GTST 000436R	HALF = ***** G	HOURS = ***** G
LOC1 001666R	LOC2 001700R	LOC3 001712R
L1 001644R	L2 001762R	MESSP1= ***** G
MINS = ***** G	MOVBUF= ***** G	MOV.T 000544R
MOVP1 = ***** G	NEXT 000514R	OFF 002024R
PC =%000007	PDP1 = ***** G	POU 000750R
PRINT 000664R	PRNORM 000000RG	RALERT 001630R
RET 000016R	RLSBUF= ***** G	RSTREG= ***** G
R0 =%000000	R1 =%000001	R2 =%000002
R3 =%000003	R4 =%000004	R5 =%000005
R50ASC= ***** G	SAVREG= ***** G	SAV.L 001766R
SAV3 002022R	SP =%000006	SRCP1 000716R
TABC 002000R	TABDES 001034R	TAB.TYP 001044R
TABV 002010R	TABX 001770R	TAB2 001024R
TA1 = ***** G	TA2 = ***** G	TA3 = ***** G
TB3 002004R	TEND = ***** G	THRU 000522R
TIME 001726R	TIME2 001732R	TLENG 001040R
TRY 000760R	TYPE 001654R	T1 = ***** G
T10 = ***** G	T11 = ***** G	T12 = ***** G
T13 = ***** G	T14 = ***** G	T15 = ***** G
T16 = ***** G	T17 = ***** G	T18 = ***** G
T19 = ***** G	T2 = ***** G	T3 = ***** G
T4 = ***** G	T5 = ***** G	T6 = ***** G
T7 = ***** G	T8 = ***** G	T9 = ***** G
VALVID= ***** G	VEH 001646R	VOLATL= ***** G
VSTAT = ***** G	WORK 001764R	...V2 = 000001

. ABS. 000000 000
002060 001

ERRORS DETECTED: 0
FREE CORE: 17425. WORDS

.LP:/C:=PRNORM.MAC

...V2	1-16#						
ADESC	1-111#	1-118	1-133*	1-140*	1-149	1-218#	
ALARM	1-245	1-246	1-247	1-255	1-259#		
ALERT	1-221	1-222	1-223	1-224	1-225	1-226	1-227
	1-228	1-229	1-230	1-231	1-232	1-233	1-234
	1-235	1-236	1-237	1-238	1-239	1-240	1-241
	1-242	1-243	1-244	1-257#			
AP	1-106*	1-109*	1-272#				
ATYP	1-110*	1-114	1-132*	1-139*	1-144	1-217#	
BLANK	1-110	1-111	1-139	1-140	1-290#		
BLOC	1-287#						
BN2DEC	1-23#	1-101	1-104				
BUFA	1-94	1-195#	1-196				
BUFOK	1-197	1-205#					
BUFR	1-94*	1-96#					
C1	1-49#	1-51					
C2	1-53#	1-55					
CHRP1	1-175*	1-176*	1-179#				
CMDVP1	1-30#	1-177#	1-186				
CNVRA	1-31#	1-59	1-75	1-86	1-92	1-170	
CONT	1-41	1-48#					
CTFILE	1-27#	1-71					
DESC	1-52	1-119	1-150	1-159*	1-160*	1-209	1-273*
DTAB	1-121	1-221#					
ERRCNT	1-173*	1-183*	1-184	1-219#			
ERRP1	1-180#	1-181					
FNDBUF	1-26#	1-194					
FNDREC	1-24#						
GETIT	1-77	1-189#					
GETSTR	1-24#						
GOON	1-108	1-110#					
GTST	1-122#	1-137					
HALF	1-28#	1-107					
HOURS	1-28#	1-100					
L1	1-48	1-174	1-176	1-260#			
L2	1-54	1-175	1-274#				
LOC1	1-84	1-265#					
LOC2	1-90	1-266#					
LOC3	1-73	1-267#					
MESSP1	1-25#	1-204					
MINS	1-28#	1-103					
MOVBUF	1-29#	1-116	1-120	1-146	1-151		
MOVIT	1-135	1-143#					
MOVP1	1-30#	1-177					
NEXT	1-127	1-131	1-136#				
OFF	1-289#						
PDTP1	1-22#	1-40	1-56	1-61	1-125	1-129	1-155
	1-164	1-184					
POUT	1-182	1-185	1-187#				
PRINT	1-156	1-167	1-173#				
PRNORM	1-14#	1-36#					
R50ASC	1-23#						
RALEST	1-248	1-249	1-250	1-251	1-252	1-253	1-254
	1-258#						
RET	1-44#	1-187					
RLSBUF	1-26#	1-95					

RSTREG	1-31#	1-44					
SAV1	1-63*	1-81	1-87	1-276#			
SAV3	1-288#						
SAVREG	1-31#	1-37					
SRCPI	1-174*	1-178#					
T1	1-33#	1-248					
T10	1-33#	1-223	1-235				
T11	1-34#	1-224	1-236				
T12	1-34#	1-225	1-237				
T13	1-34#	1-226	1-238				
T14	1-34#	1-227	1-239				
T15	1-34#	1-228	1-240				
T16	1-34#	1-229	1-241				
T17	1-34#	1-230	1-242				
T18	1-34#	1-231	1-243				
T19	1-34#	1-232	1-244				
T2	1-33#	1-249					
T3	1-33#	1-250					
T4	1-33#	1-251					
T5	1-33#	1-252					
T6	1-33#	1-253					
T7	1-33#	1-254					
T8	1-33#	1-221	1-233				
T9	1-33#	1-222	1-234				
TA1	1-34#	1-245	1-247				
TA2	1-34#	1-255					
TA3	1-34#	1-246					
TAB2	1-169	1-209#					
TABC	1-72*	1-74	1-83*	1-85	1-89*	1-91	1-279#
TABDES	1-117	1-148	1-210#				
TABTYP	1-113	1-143	1-215#				
TABV	1-58	1-283#					
TABX	1-277#						
TB3	1-73*	1-84*	1-90*	1-281#			
TEND	1-34#						
THRU	1-123	1-139#					
TIME	1-102*	1-269#					
TIME2	1-105*	1-271#					
TLENG	1-112*	1-134*	1-141*	1-212#			
TRY	1-194#	1-200					
TYPE	1-50	1-115	1-145	1-263#			
VALVID	1-32#	1-165					
VEH	1-159	1-160	1-261#	1-285			
VOLATL	1-26#	1-199					
VSTAT	1-21#						
WORK	1-57*	1-168*	1-209	1-275#	1-283		

...CM1	1-.6#	
...CM2	1-.6#	
...CM3	1-.6#	
...CM4	1-.6#	
..V2..	1-.5#	1-16
.REGDE	1-.5#	1-17

SECTION A.2

This section contains the following source listings of modules and subroutines which comprise the Vehicle Communications Modules:

Module

Subroutine

LOCUPD	SNEVNT
AMPLOK	SCMEVT
STR TIN	MIVPDP
START2	SNACKN
START3	RBLOAD
FORO2	
FORO3	
LANEXY	
BND RYS	
PFILE	
VOLAY1	
ABSPHS	
NTEXTIT	
SPTEST	
MINFIL	
RAMPRC	
RARQST	
RSOLPL	
RSENSE	
SMUPDP	
SNSPOL	


```

1      .TITLE LOCUPD
2      ;
3      ; LOCUPD = INITIAL LOCATION DATA PROCESSOR -- CARGO SECURITY
4      ;
5      ; OBJECT: PROCESS LOCATION STATUS INFORMATION TO PROVIDE
6      ;          LOCATION UPDATE DATA FOR BASE STATION AND DISPATCH
7      ;          STATION DISPLAY AS WELL AS ROUTE ALERT PRINTOUT
8      ;
9      ; INPUT DATA IS IN 1 OF 4 SUBMODES
10     ;          1. NORMAL LOCATION UPDATE
11     ;          2. ZERO AMPHASE AND NORMAL UPDATE
12     ;          3. AM PHASE ROLLOVER AND NORMAL UPDATE
13     ;          4. RESET SIGNPOST INPUT AND NORMAL UPDATE
14     ;
15     ; LOCATION DATA IS INPUT AS A RESULT OF A VEHICLE DECLARED EVENT
16     ; OR A LOCATION POLLING REQUEST FROM THE HOST COMPUTER.
17     ;
18     ; .MCALL ..V2....REGDEF
19 00000 ..V2..
20 00000 .REGDEF
21     ; .NLIST BEX
22     ;
23     ; .GLOBL LOCUPD, SAVREG, VALVID, GTVREF, BASECD, FNDBUF, NTEXT, SPTEST
24     ; .GLOBL LUINPB, LUINPP, LUIEND, HOURS, MINS, SECS, RSTREG, POINT
25     ; .GLOBL LUTBUF, PNTR1, VRBUF, RSWD1, EXIT, RLSBUF, ABSPHS, LOCMP1
26     ; .GLOBL WORD1, FNDSTR, WTVREF, OBUF, BSRQST, AMPLOK, DSPCMD
27     ; .GLOBL DTASTR, AMPTAB, AMPUPD, LOCMP5
28     ;
29     ; SAVE REGISTERS, RETRIEVE DATA, SET BUSY FLAG AND UPDATE POINTERS
30     ;
31 00000 004567 LOCUPD: JSR    R5, SAVREG          ; SAVE R0 THRU R4
32 00004 010567      MOV    R5, SAVR5            ; SAVE R5
33 00010 010667      MOV    SP, SAVSP            ; SAVE STACK POINTER
34 00014 162706      SUB     #10, SP              ; OFFSET STACK POINTER
35 00020 012700      MOV     #LUINPB, R0          ; GET BUFFER ADDRESS
36 00024 066700      ADD     LUINPI, R0           ; ADD OFFSET
37 00030 026767      CMP     LUINPI, LUINPP       ; ARE POINTERS ALIGNED?
38 00036 001006      BNE     L1B                  ; NO, GO TO WORD STORAGE
39 00040 004567      JSR     R5, BASECD           ; STORE DATA IN BASE COMMAND BUFFER
40 00044      000      .BYTE 0, 0, 24, 54.        ; ERROR MESSAGE 54.
41 00050 000167      JMP     OUTA                  ; GO ERROR OUTPUT
42 00054 012067 L1B:  MOV     (R0)+, WORD1         ; STORE INPUT DATA
43 00060 012067      MOV     (R0)+, WORD2         ; IN TEMPORARY BUFFERS
44 00064 062767      ADD     #4, LUINPI           ; BUMP POINTER
45 00072 020027      CMP     R0, #LUIEND          ; TEST FOR END
46 00076 001002      BNE     L1                    ; NO, GO AROUND
47 00100 005067      CLR     LUINPI              ; RESET POINTER
48     ;
49     ; GET VSTAT POINTER AND VREF DATA, LOAD TEMPORARY BUFFER
50     ;
51 00104 016703 L1:  MOV     WORD1, R3              ; STORE FIRST WORD
52 00110 042703      BIC     #177700, R3          ; CLEAR ALL BITS BUT VEHICLE ID
53 00114 004567      JSR     R5, VALVID           ; GO GET VSTAT ADDRESS

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54 00120 010267      MOV      R2,PNT1      ; STORE ADDRESS
55 00124 004567      JSR      R5,FNDBUF    ; GET BUFFER AREA
56 00130 000000 VRBUF: .WORD      0
57 00132 005767      TST      VRBUF      ; IS BUFFER ALL USED UP
58 00136 001006      BNE      L1A        ; NO, GO PROCESS
59 00140 004567      JSR      R5,BASECD    ; YES, HAVE TO GET OUT
60 00144 000        .BYTE      0,0,24,44. ; ERROR MESSAGE NO.
61 00150 000167      JMP      OUTB      ; CLEAN-UP AND GETOUT
62 00154 116203 L1A:  MOVB      1(R2),R3   ; LOAD BLOCK NO.
63 00160 016704      MOV      VRBUF,R4    ; LOAD BUFFER ADDRESS
64 00164 004567      JSR      R5,GTVREF    ; GET VREF IN BUFFER
65                      ;
66                      ; STORE DATA IN LUTBUF
67                      ;
68 00170 012700      MOV      #LUTBUF,R0   ; GET ADDRESS OF TEMP. BUFR
69 00174 016701      MOV      PNT1,R1     ; GET VSTAT ADDRESS
70 00200 016120      MOV      4(R1),(R0)+  ; STORE VEH. DATA STATUS WORD
71 00204 016720      MOV      HOURS,(R0)+ ; SAVE
72 00210 016720      MOV      MINS,(R0)+  ; TIME
73 00214 016720      MOV      SECS,(R0)+  ; DATA
74 00220 016701      MOV      VRBUF,R1    ; GET VREF DATA BUFFER ADDRESS
75 00224 016120      MOV      42(R1),(R0)+ ; STORE SIGNPOST
76 00230 016120      MOV      142(R1),(R0)+ ; STORE REFERENCE PHIA
77 00234 016120      MOV      144(R1),(R0)+ ; STORE REFERENCE PHIB
78 00240 016720      MOV      WORD2,(R0)+ ; STORE CURRENT PHIA AND PHIB
79 00244 016110      MOV      44(R1),(R0)  ; STORE ROLL-OVER BITS
80                      ;
81                      ; TEST ROLL-OVER AND REQUEST BITS FOR PROCESSING TYPE
82                      ;
83 00250 016700      MOV      WORD1,R0     ; GET FIRST WORD
84 00254 042700      BIC      #177477,R0  ; CLEAR ALL BUT ROLLOVER & REQ BITS
85 00260 022700      CMP      #0,R0       ; TEST FOR ZERO
86 00264 001002      BNE      L2         ; NO, GO TO NEXT TEST
87 00266 000167      JMP      RSETSP      ; GO TO RESET SIGNPOST PROC.
88 00272 022700 L2:  CMP      #100,R0     ; TEST FOR 1
89 00276 001002      BNE      L3         ; NO, GO TO NEXT TEST
90 00300 000167      JMP      LSTATR      ; GO TO LOCATION STATUS, REQUESTED
91 00304 022700 L3:  CMP      #200,R0     ; TEST FOR 2
92 00310 001001      BNE      L4         ; NO, GO TO NEXT TEST
93 00312 000425      BR       PROLLO      ; GO TO AM PHASE ROLL-OVER
94 00314 022700 L4:  CMP      #300,R0     ; TEST FOR 3
95 00320 001410      BEQ      ZROAMP      ; YES, GO TO ZERO AMPHASE
96 00322 11167      MOVB      (R1),ER1    ; NO, MUST BE ERROR, STORE VEH ID
97 00326 004567      JSR      R5,BASECD    ; OUTPUT ERROR
98 00332 000 ER1:  .BYTE      0,0,24,43. ; MESSAGE 43
99 00336 000167      JMP      EXITA      ; GO TO GETOUT
100                      ;
101                      ; ZERO AM PHASE INPUT DATA PROCESSING
102                      ;
103 0342 012700 ZROAMP: MOV      #LUTBUF,R0 ; GET INPUT BUFFER ADDRESS
104 0346 005060      CLR      16(R0)      ; CLEAR INPUT PHIA, PHIB
105 0352 005060      CLR      20(R0)      ; CLEAR ROLLOVER BITS
106 0356 042710      BIC      #7417,(R0)  ; CLEAR STATUS REGISTER

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107 0362 000167      JMP      EXIT1          ; GO TO X,Y DATA PROCESSING
108                  ;
109                  ;      AM PHASE ROLL-OVER DATA PROCESSING(EVENT)
110                  ;
111 0366 012700 PROLLO: MOV      #LUTBUF,R0      ; GET INPUT BUFFER ADDRESS
112 0372 026061      CMP      16(R0),46(R1)
113 0400 001002      BNE      PR01
114 0402 000167      JMP      EXITA
115 0406 005267 PR01:  INC      AMPUPD+2        ; SET UPDATE FLAG
116                  ;
117                  ;
118                  ;      LOCATION STATUS REQUESTED(POLLED) DATA PROCESSING
119                  ;
120 0412 000167 LSTATR: JMP      EXIT1          ; GO TO GETOUT
121                  ;
122                  ;      RESET SIGNPOST DATA PROCESSING
123                  ;
124 0416 012700 RSETSP: MOV      #LUTBUF,R0      ; GET INPUT BUFFER ADDRESS
125 0422 042710      BIC      #7717,(R0)        ; CLEAR STATUS REGISTER
126 0426 016767      MOV      WORD2,RSWD1      ; STORE SIGNPOST IN BUFFER
127 0434 016760      MOV      WORD2,10(R0)     ; STORE SIGNPOST NO.
128 0442 004567      JSR      R5,SPTEST        ; GO TRY AND
129 0446 000000 RSWD1: .WORD    0,0,0,0        ; FIND SIGNPOST
130 0456 005767      TST      RSWD1+2          ; ERROR FLAGS SET?
131 0462 001551      BEQ      RSET2            ; NO, GO TEST FOR YARD ENTRY/EXIT
132 0464 022767      CMP      #4,RSWD1+2
133 0472 001422      BEQ      YARD1
134 0474 022767      CMP      #5,RSWD1+2
135 0502 001441      BEQ      YARD2
136 0504 111467      MOVB     (R4),RER1        ; SAVE VEHICLE ID
137 0510 112702      MOVB     #45,,R2          ; ADD ERROR OFFSET
138 0514 066702      ADD      RSWD1+2,R2      ; ADD ERROR NO.
139 0520 110267      MOVB     R2,RER1+3        ; IN PASSED PARAMETER LIST
140 0524 004567      JSR      R5,BASECD        ; OUTPUT ERROR
141 0530 000000 RER1:  .BYTE    0,0,24,,0      ; 46 TO 49
142 0534 000167      JMP      EXITAA
143                  ;
144                  ;      IN-YARD PROCESSING
145                  ;
146 0540 012704 YARD1: MOV      #POINT,R4      ; GET BUFR ADDR
147 0544 012724      MOV      #1607,,(R4)+    ; STORE PHIA - TRANSCON
148 0550 012714      MOV      #1232,,(R4)     ; STORE PHIB - TRANSCON
149 0554 062704      ADD      #6,R4           ; ADD OFFSET
150 0560 012724      MOV      #3181,,(R4)+    ; STORE YARD NAME
151 0564 012714      MOV      #45,,(R4)       ; STORE CITY NO.
152 0570 062704      ADD      #22,R4          ; ADD OFFSET
153 0574 012724      MOV      #26605,,(R4)+   ; STORE X-DATA
154 0600 012714      MOV      #9410,,(R4)     ; STORE Y-DATA
155 0604 000422      BR       FINISH          ; GO LOAD THE REST
156 0606 012704 YARD2: MOV      #POINT,R4      ; GET BUFR ADDR
157 0612 012724      MOV      #723,,(R4)+    ; STORE PHIA - GI
158 0616 012714      MOV      #1927,,(R4)     ; STORE PHIB - GI
159 0622 062704      ADD      #6,R4           ; ADD OFFSET

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160 0626 012724      MOV      #3102.,(R4)+      ; STORE YARD NAME
161 0632 012714      MOV      #37.,(R4)         ; STORE CITY NO.
162 0636 062704      ADD       #22,R4           ; ADD OFFSET
163 0642 012724      MOV      #28080.,(R4)+      ; STORE X DATA
164 0646 012714      MOV      #7180.,(R4)        ; STORE Y DATA
165 0652 012704 FINISH: MOV      #POINT,R4       ; GET BUFR ADDR
166 0656 016764      MOV      HOURS,14(R4)      ; STORE TIME ETC
167 0664 016764      MOV      HOURS,22(R4)
168 0672 016764      MOV      MINS,16(R4)
169 0700 016764      MOV      MINS,24(R4)
170 0706 016764      MOV      SECS,20(R4)
171 0714 016764      MOV      SECS,26(R4)
172 0722 011464      MOV      (R4),30(R4)
173 0726 016464      MOV      2(R4),32(R4)
174 0734 016464      MOV      34(R4),40(R4)
175 0742 016464      MOV      36(R4),42(R4)
176 0750 012764      MOV      #3180.,6(R4)
177 0756 012700      MOV      #LUTBUF,R0         ; GET BUFR ADDR
178 0762 012460      MOV      (R4)+,12(R0)
179 0766 011460      MOV      (R4),14(R0)
180 0772 004567      JSR      R5,NTEXTIT        ; PROCESS RESET SIGNPOST - YARD
181 0776 005767      TST      EXIT             ; IS ERROR FLAG SET
182 1002 001522      BEQ      LDVREF            ; GO TO VREF LOAD
183 1004 000411      BR       EXITAA
184
185 ;
186 ;      YARD ENTRY/EXIT PROCESSING
187 1906 012700 RSET2: MOV      #LUTBUF,R0         ; GET BUFR ADDR
188 1012 005267      INC      LOCMP
189 1016 004567      JSR      R5,NTEXTIT        ; PROCESS RESET SIGNPOST - YARD
190 1022 005767      TST      EXIT             ; IS ERROR FLAG SET
191 1026 001466      BEQ      EXIT1            ; NO, GO TO NORMAL OUTPUT
192
193 ;
194 ;      ERROR DECLARED IN PROCESSING. RELEASE BUFFER AND RESET PROCESSING
195 ;      FLAGS. SEE PRINTOUT FOR ERRORS
196 1030 016704 EXITAA: MOV      VRBUF,R4
197 1034 016464      MOV      12(R4),142(R4)
198 1042 016464      MOV      14(R4),144(R4)
199 1050 005067      CLR      LUTBUF+16
200 1054 005067      CLR      LUTBUF+20
201 1060 000421      BR       EXITX1
202 1062 016767 EXITA: MOV      VRBUF,OUT        ; GET BUFFER ADDRESS
203 1070 004567      JSR      R5,RLSBUF        ; RELEASE BUFFER
204 1074 000000 OUT:  .WORD      0
205 1076 001076 OUTB:  .F.
206 1076 016706 OUTA:  MOV      SAVSP,SP
207 1102 016705      MOV      SAVR5,R5
208 1106 005067      CLR      LOCMP
209 1112 005067      CLR      AMPUPD+2         ; RESET BUSY FLAG
210 1116 004567      JSR      R5,RSTREG        ; RESTORE REGISTERS
211 1122 000205      RTS       R5             ; RETURN
212

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213      ;      NORMAL PROCESSING. SCHEDULE LOCATION PROCESSING TO X-Y DATA
214      ;
215 1124 016704 EXITX1: MOV      VRBUF,R4
216 1130 012700      MOV      #LUTBUF+10,R0
217 1134 012064      MOV      (R0)+,42(R4)
218 1140 005720      TST      (R0)+
219 1142 005720      TST      (R0)+
220 1144 012064      MOV      (R0)+,46(R4)
221 1150 011064      MOV      (R0),44(R4)
222 1154 016764      MOV      POINT,12(R4)
223 1162 016764      MOV      POINT+2,14(R4)
224 1170 005267      INC      AMPUPD+2
225 1174 004567      JSR      R5,EXIT1A
226 1200 000167 EXITX: JMP      EXIT2A
227 1204 004567 EXIT1: JSR      R5,ABSPHS      ; DO ABSOLUTE PHASE DETERMINATION
228 1210 005767      TST      LOCMP5
229 1214 001343      BNE      EXITX1
230 1216 005767      TST      LOCMP1
231 1222 001766      BEQ      EXITX      ; TEST LOCATION COMPUTE FLAG FOR SET
232 1224 004567      JSR      R5,AMPLOK      ; YES, GO TO ERROR PROCESSING OUTPUT
233 1230 022767      CMP      #2,POINT+4      ; GO TO X,Y COMPUTATION
234 1236 001732      BEQ      EXITX1      ; IS ERROR FLAG SET?
235 1240 022767      CMP      #3,POINT+4
236 1246 001726      BEQ      EXITX1
237      ;
238      ;      LOAD VREF
239      ;
240 1250 012700 LDVREF: MOV      #POINT,R0
241 1254 016704      MOV      VRBUF,R4
242 1260 062704      ADD      #12,R4
243 1264 012024      MOV      (R0)+,(R4)+
244 1266 012024      MOV      (R0)+,(R4)+
245 1270 012064      MOV      (R0)+,140(R4)
246 1274 012024      MOV      (R0)+,(R4)+
247 1276 012024      MOV      (R0)+,(R4)+
248 1300 012024      MOV      (R0)+,(R4)+
249 1302 062700      ADD      #6,R0
250 1306 012024      MOV      (R0)+,(R4)+
251 1310 012024      MOV      (R0)+,(R4)+
252 1312 012024      MOV      (R0)+,(R4)+
253 1314 062700      ADD      #10,R0
254 1320 012024      MOV      (R0)+,(R4)+
255 1322 012024      MOV      (R0)+,(R4)+
256 1324 012701      MOV      #LUTBUF,R1
257 1330 016704      MOV      VRBUF,R4
258 1334 016164      MOV      10(R1),42(R4)
259 1342 016164      MOV      16(R1),46(R4)
260 1350 016164      MOV      20(R1),44(R4)
261 1356 016164      MOV      12(R1),142(R4)
262 1364 016164      MOV      14(R1),144(R4)
263 1372 005003      CLR      R3
264 1374 004567      JSR      R5,EXIT1A      ; CLEAR BLOCK POINTER
265      ;      ;      OUTPUT DATA

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266      ;      UPDATE VSTAT AND OUTPUT TO DISPLAY AND DISPATCHER
267      ;
268 1400 016701      MOV      PNTR1,R1
269 1404 016761      MOV      LUTBUF,4(R1)      ; STORE AM PHASE STATUS
270 1412 012702      MOV      #POINT,R2
271 1416 016261      MOV      6(R2),30(R1)
272 1424 016261      MOV      10(R2),32(R1)
273 1432 016261      MOV      12(R2),34(R1)
274 1440 016702      MOV      POINT+6,R2
275 1444 016703      MOV      VRBUF,R3
276 1450 004067      JSR      R0,FNDSTR
277 1454 016701      MOV      PNTR1,R1
278 1460 062701      ADD      #36,R1
279 1464 012321      MOV      (R3)+,(R1)+
280 1466 012321      MOV      (R3)+,(R1)+
281 1470 012321      MOV      (R3)+,(R1)+
282 1472 016702      MOV      POINT+10,R2
283 1476 016703      MOV      VRBUF,R3
284 1502 004067      JSR      R0,FNDSTR
285 1506 016701      MOV      PNTR1,R1
286 1512 11:167      MOV      (R1),BSCD1
287 1516 062701      ADD      #44,R1
288 1522 012321      MOV      (R3)+,(R1)+
289 1524 012321      MOV      (R3)+,(R1)+
290 1526 012321      MOV      (R3)+,(R1)+
291 1530 004567      JSR      R5,BASECD
292 1534 000000 BSCD1: .WORD      0,1
293 1540 012703      MOV      #END1,R3
294 1544 012702      MOV      #UNSTP1,R2
295 1550 016701      MOV      PNTR1,R1
296 1554 032761      BIT      #40,2(R1)
297 1562 00:404      BEQ      UNS1
298 1564 012703      MOV      #END2,R3
299 1570 012702      MOV      #UNSTP2,R2
300 1574 022261 UNS1:  CMP      (R2)+,30(R1)
301 1600 00:006      BNE      UNS2
302 1602 02:261      CMP      (R2),32(R1)
303 1606 00:405      BEQ      UNS3
304 1610 020203 UNS4:  CMP      R2,R3
305 1612 100770      BMI      UNS1
306 1614 000431      BR       UNSOUT
307 1616 005722 UNS2:  TST      (R2)+
308 1620 000773      BR       UNS4
309 1622 052761 UNS3:  BIS      #200,2(R1)
310 1630 11:167      MOV      (R1),UNSTA
311 1634 004567      JSR      R5,DSPCMD
312 1640 000      UNSTA: .BYTE      0,0,10,,6
313 1644 11:167      MOV      (R1),UNSTB
314 1650 004567      JSR      R5,BASECD
315 1654 000      UNSTB: .BYTE      0,0,10,,6
316 1660 11:167      MOV      (R1),UNSTC+2
317 1664 004567      JSR      R5,DTASTR
318 1670 003102 UNSTC: .WORD      3102,0,0

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319 1676 000403      BR      UNS01
320 1700 042761 UNSOUT: BIC      #200.2(R1)
321 1706 032761 UNS01: BIT      #4.12(R1)
322 1714 00.406      BEQ      TR2
323 1716 11.167      MOV8      (R1),TR01
324 1722 004567      JSR      R5,BASECD
325 1726 000      TR01: .BYTE      0,0,21.,0
326 1732 11.167      TR2: .MOV8      (R1),TR02
327 1736 032761      BIT      #10.12(R1)
328 1744 00.404      BEQ      TR3
329 1746 004567      JSR      R5,DSPCMD
330 1752 000000      TR02: .WORD      0,12.
331 1756 000240      TR3:  NOP
332      ;
333      ;      ERROR DETECTED OR NO FURTHER LOCATION PROCESSING REQUIRED
334      ;
335 1760 005767 EXIT2A: TST      AMPUPD+2      ; IS OUTPUT FLAG SET?
336 1764 00.403      BEQ      EXIT2B      ; NO. GO TO RELEASE BUFFER ONLY
337 1766 005003      CLR      R3
338 1770 004567      JSR      R5,EXIT1A      ; OUTPUT VREF DATA
339 1774 016767 EXIT2B: MOV      VRBUF,OUT1      ; GET BUFFER ADDRESS
340 2002 004567      JSR      R5,RLSBUF      ; RELEASE BUFFER
341 2006 000000 OUT1:  .WORD      0
342 2010 132767      BIT8      #1.BSRQST+1      ; IS REQUEST BIT SET?
343 2016 00.415      BEQ      L11A      ; NO. GO AROUND
344 2020 016701      MOV      PNTR1,R1      ; GET VSTAT ADDR
345 2024 12.167      CMP8      (R1),BSRQST      ; IS THIS THE VEHICLE POLLED?
346 2030 00.010      BNE      L11A      ; NO. GO AROUND
347 2032 005067      CLR      BSRQST      ; CLEAR BASE REQUEST WORD
348 2036 11.167      MOV8      (R1),L11      ; STORE ID
349 2042 004567      JSR      R5,BASECD      ; OUTPUT DATA TO BASE PRINTER
350 2046 000000 L11:  .WORD      0,31.
351 2052 000167 L11A:  JMP      OUTA
352      ;
353      ;      INTERNAL SUBROUTINE FOR VREF STORAGE
354      ;
355 2056 016704 EXIT1A: MOV      VRBUF,R4      ; GET BUFR ADDR
356 2062 016764      MOV      WORD1,106(R4)
357 2070 016764      MOV      WORD2,110(R4)
358 2076 005067      CLR      AMPUPD+2      ; CLEAR AM PHASE UPDATE FLAG
359 2102 016702      MOV      PNTR1,R2      ; GET VSTAT ADDR
360 2106 016762      MOV      LUTBUF,4(R2)      ; STORE STATUS DATA
361 2114 116203      MOV8      1(R2),R3      ; GET VREF BLK NO.
362 2120 004567      JSR      R5,WTVREF      ; WRITE DATA TO VREF
363 2124 000205      RTS      R5      ; RETURN
364      ;
365      ;      GLOBL VARIABLES
366      ;
367 2126      LUTBUF: .BLKW      11.      ; LOCATION UPDATE TEMPORARY BUFR
368 2154 000000 PNTR1: .WORD      0      ; ADDRESS OF VSTAT
369 2156 000000 EXIT:  .WORD      0      ; ERROR RETURN FLAG WORD
370 2160      POINT:  .BLKW      20.      ; PASSED PARAMETER BUFFER FOR
371      ;      LOCATION ESTIMATE

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372 2230 000334 AMPTAB: .WORD 334,314,134,114,224
373 2242 000000 LOCMP1: .WORD 0
374 2244 000000 AMPUPD: .WORD 0,0
375 2250 000000 LOCMP5: .WORD 0
376 ;
377 ; LOCAL VARIABLES
378 ;
379 2252 000000 LUINP1: .WORD 0 ; INTERNAL PROC. BUFFER POINTER
380 2254 000000 WORD1: .WORD 0 ; FIRST DATA WORD
381 2256 000000 WORD2: .WORD 0 ; SECOND DATA WORD
382 2260 000000 SAVSP: .WORD 0
383 2262 000000 SAVR5: .WORD 0
384 2264 177777 UNSTP1: .WORD -1,-1
385 2270 002270*END1: .=.
386 2270 177777 UNSTP2: .WORD -1,-1
387 2274 002274*END2: .=.
388 ;
389 .SBTTL AMPLOK
390 ;
391 ; AM PHASE DATA PROCESSING AND CONTROL ROUTINE
392 ;
393 .MCALL ..V2...REGDEF..LOOKUP..READW..CLOSE..SRESET
394 2274 ..V2..
395 2274 .REGDEF
396 .NLIST BEX
397 ;
398 .GLOBL LUTBUF,AMPLOK,LANEXY,SAVREG,RSTREG,STRTN,BASECD,MINFIL,POINT,BNDARYS
399 .GLOBL POINT,DTASTR,VRBUF,AMBUFF,OBUFF,XYFILE,PNTR1,TESTA,DSPCMD
400 ;
401 2274 004567 AMPLOK: JSR R5,SAVREG ; SAVE REGISTERS
402 2300 004767 JSR PC,LANEXY ; COMPUTE X,Y
403 2304 005767 TST OBUFR ; IS VALIDITY FLAG CLEAR?
404 2310 001136 BNE A1 ; YES GO TO GETOUT
405 2312 016700 MOV VRBUF,R0
406 2316 016067 MOV 100(R0),TESTA
407 2324 116067 MOVB 102(R0),TESTA+2
408 2332 004767 JSR PC,BNDARYS
409 2336 004567 JSR R5,TESTR
410 2342 016700 MOV VRBUF,R0
411 2346 122760 CMPB #40,103(R0)
412 2354 001415 BEQ AM2
413 2356 116067 MOVB 103(R0),TESTA
414 2364 116067 MOVB 104(R0),TESTA+1
415 2372 116067 MOVB 105(R0),TESTA+2
416 2400 004767 JSR PC,BNDARYS
417 2404 004567 JSR R5,TESTR
418 2410 022767 AM2: CMP #1,OBUFF
419 2416 001010 BNE AM2B
420 2420 004567 JSR R5,BASECD
421 2424 000 .BYTE 0,0,24..70.
422 2430 012767 MOV #2,POINT+4
423 2436 000460 BR AM2A
424 2440 016701 AM2B: MOV OBUFR+2,R1

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425 2444 016702      MOV      OBUFR+4,R2
426 2450 004567      JSR      R5,MINFIL
427 2454             .LOOKUP  #LIST1,#6,#XYFILE
428 2506 103452      BCS      A3
429 2510             .READW   #LIST2,#6,#AMBUFF,#.020.,IBK
430 2560             .CLOSE   #6          ; CLOSE CHANNEL
431 2572             .SRESET
432 2574 004567      JSR      R5,STR TIN
433 2600 004567 AM2A: JSR      R5,RSTREG
434 2604 000205      RTS      R5
435                ;
436 2606 117767 A1:   MOVB     @VRBUF,A1+12
437 2614 004567      JSR      R5,BASECD
438 2620 000       .BYTE     0,0,24.,52.
439 2624 012767 A1A:  MOV      #3,POINT+4
440 2632 000762      BR       AM2A
441                ;
442 2634 004567 A3:   JSR      R5,BASECD
443 2640 000       .BYTE     0,0,24.,53.
444 2644             .CLOSE   #7
445 2656             .SRESET
446 2660 000761      BR       A1A
447                ;
448                ;      SPECIAL TEST ROUTINE FOR BOUNDARY CHECK
449                ;
450 2662 016701 TESTR: MOV      PNTR1,R1
451 2666 005767      TST      OBUFR
452 2672 00.045      BNE      TESTR1
453 2674 042767      BIC      #40,LUTBUF
454 2702 032761      BIT      #100,2(R1)
455 2710 00.565      BEQ      TESTR3
456 2712 052761      BIS      #100000,26(R1)
457 2720 052767      BIS      #100,LUTBUF
458 2726 042761      BIC      #100,2(R1)
459 2734 11.167      MOVB     (R1),TESTRE+2
460 2740 112767      MOVB     #1,TESTRB+3
461 2746 112767      MOVB     #1,TESTRD+3
462 2754 004567      JSR      R5,DTASTR
463 2760 000502 TESTRE: .WORD    502,0,0
464 2766 11.167      MOVB     (R1),TESTRL+2
465 2772 004567      JSR      R5,DTASTR
466 2776 000104 TESTRL: .WORD    104,0,0
467 3004 000513      BR       TESTR0
468 3006 022767 TESTR1: CMP      #1,OBUFR
469 3014 00.460      BEQ      TESTR2
470 3016 032767      BIT      #20,LUTBUF
471 3024 00.403      BEQ      TESTRC
472 3026 042761      BIC      #100,2(R1)
473 3034 032761 TESTRC: BIT      #100,2(R1)
474 3042 00.110      BNE      TESTR3
475 3044 032767      BIT      #20,LUTBUF
476 3052 00.027      BNE      TESTRF
477 3054 052761      BIS      #100,2(R1)

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478 3062 052767      BIS      #100,LUTBUF
479 3070 042761      BIC      #100000,26(R1)
480 3076 11:167      MOV8     (R1),TESTRH+2
481 3102 112767      MOV8     #4,TESTRB+3
482 3110 112767      MOV8     #4,TESTRD+3
483 3116 004567      JSR      R5,DTASTR
484 3122 002102 TESTRH: .WORD   2102,0,0
485 3130 000441      BR       TESTR0
486 3132 042761 TESTRF: BIC      #100,2(R1)
487 3140 042767      BIC      #100,LUTBUF
488 3146 042761      BIC      #100000,26(R1)
489 3154 000443      BR       TESTR3
490 3156 052767 TESTR2: BIS      #40,LUTBUF
491 3164 11:167      MOV8     (R1),TESTRI
492 3170 11:167      MOV8     (R1),TESTRJ
493 3174 11:167      MOV8     (R1),TESTRK+2
494 3200 004567      JSR      R5,BASECD
495 3204      000 TESTRI: .BYTE   0,0,10,,5
496 3210 004567      JSR      R5,DSPCMD
497 3214      000 TESTRJ: .BYTE   0,0,10,,5
498 3220 004567      JSR      R5,DTASTR
499 3224 002502 TESTRK: .WORD   2502,0,0
500 3232 000700      BR       TESTRC
501 3234 11:167 TESTR0: MOV8     (R1),TESTRB
502 3240 11:167      MOV8     (R1),TESTRD
503 3244 004567      JSR      R5,BASECD
504 3250 000000 TESTRB: .WORD    0,10,
505 3254 004567      JSR      R5,DSPCMD
506 3260 000000 TESTRD: .WORD    0,10,
507 3264 000205 TESTR3: RTS      R5
508
509 ;
510 ;      INTERNAL VARIABLES
511
511 3266 000000 TABLAD: .WORD    0
512 3270      LIST1: .BLKW    5
513 3302      LIST2: .BLKW    5
514 3314 000000 IBK:   .WORD    0
515 3316      AMBUFF: .BLKW   1028,
516
517 ;
518 ;      .SBTTL SUPRT4
519
520 ;
521 ;      SAVE AND UNSAVE REGISTERS
522
521      .MCALL ..V2...REGDEF..LOOKUP..READW..CLOSE..SRESET
522 7326      ..V2..
523 7326      .REGDEF
524      .NLIST BEX
525
526 ;
527 ;      SUBROUTINES
528
528      .GLOBL STRTIN      ; SUBROUTINE ENTRY POINTS
529      .GLOBL PFILE
530      .GLOBL START2

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531      .GLOBL  START3
532      .GLOBL  FOR02
533      .GLOBL  FOR03
534      .GLOBL  ROUTE, START4, SAVREG, RSTREG, VRBUF, TESTA
535      ;
536      ;      EXTERNAL VARIABLES
537      ;
538      .GLOBL  AMBUFF
539      .GLOBL  TSTDTA
540      .GLOBL  POINT
541      .GLOBL  OBUFR
542      ;
543 7326 010546 STRTIN: MOV    R5, -(SP)
544 7330 005067      CLR    TSTDTA+2
545 7334 012767      MOV    #3, POINT+4
546 7342 022767      CMP    #10, AMBUFF+34
547 7350 100036      BPL    S1AA
548 7352 005067      CLR    POINT+4
549 7356 116767      MOV    AMBUFF+34, TSTDTA+2      ; STORE NO. OF FILE ENTRIES
550 7364 012700      MOV    #AMBUFF+40, R0          ; GET BEGIN ADDRESS OF AREA LIM.
551 7370 012701      MOV    #TSTDTA+4, R1          ; GET OUTPUT ADDRESS OF I/O BUFR
552 7374 012702      MOV    #15, R2                ; INITIALIZE COUNTER
553 7400 012021 S1:   MOV    (R0)+, (R1)+          ; STORE DATA
554 7402 005302      DEC    R2                    ; AT END?
555 7404 100375      BPL    S1                    ; NO, GO AGAIN
556 7406 016721      MOV    OBUFR+2, (R1)+         ; STORE X-DATA
557 7412 016721      MOV    OBUFR+4, (R1)+         ; STORE Y-DATA
558 7416 005067      CLR    TSTDTA                ; CLEAR FLAG BUFFER
559 7422 005067      CLR    SEGCTR                ; RESET SEGMENT COUNTER FLAG
560 7426 004767      JSR    PC, PFILE              ; GO TO INTERSECTION ALGORITHM
561 7432 016767      MOV    OBUFR+2, POINT+40
562 7440 016767      MOV    OBUFR+4, POINT+42
563 7446 012605 S1AA: MOV    (SP)+, R5
564 7450 000205      RTS    R5                    ; RETURN
565      ;
566 7452 016502 START2: MOV    2(R5), R2          ; GET OUTPUT ADDRESS
567 7456 012704      MOV    #POINT, R4            ; GET INPUT ADDRESS
568 7462 012703      MOV    #19, R3              ; INITIALIZE COUNTER
569 7466 012422 S1A:  MOV    (R4)+, (R2)+         ; TRANSFER WORD
570 7470 005303      DEC    R3                    ; ALL DONE?
571 7472 100375      BPL    S1A                  ; NO, NEXT WORD
572 7474 000487      BR     XOUT                 ; RETURN
573      ;
574 7476 016502 FOR02: MOV    2(R5), R2
575 7502 012267      MOV    (R2)+, OBUFR          ; STORE VALIDITY DATA
576 7506 012267      MOV    (R2)+, OBUFR+2       ; STORE X-DATA
577 7512 011267      MOV    (R2), OBUFR+4        ; STORE Y-DATA
578 7516 000456      BR     XOUT                 ; RETURN
579      ;
580 7520 005767 START3: TST    TSTDTA              ; IS THIS THE FIRST TIME THRU?
581 7524 001404      BEQ    X51E                  ; NO, GO AROUND
582 7526 026767      CMP    SEGCTR, TSTDTA+2     ; IS ALL DATA READ IN?
583 7534 001450      BEQ    X53                  ; NO, GO AROUND

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584 7536 005767 X51E: TST SEGCTR
585 7542 001403 BEQ X51A
586 7544 012767 MOV #2,TSTDTA
587 7552 016700 X51A: MOV SEGCTR,R0 ; GET POINTER INDEX
588 7556 006300 X51B: ASL R0 ; TIMES 12
589 7560 006300 ASL R0
590 7562 010001 MOV R0,R1
591 7564 006300 ASL R0
592 7566 060100 ADD R1,R0
593 7570 005700 TST R0
594 7572 001011 BNE X51D
595 7574 012701 MOV #TSTDTA,R1
596 7600 016502 MOV 2(R5),R2
597 7604 012703 MOV #19,,R3
598 7610 012122 X51C: MOV (R1)+,(R2)+
599 7612 005303 DEC R3
600 7614 100375 BPL X51C
601 7616 005267 X51D: INC SEGCTR ; INCREMENT POINTER INDEX
602 7622 062700 ADD #AMBUFF+100,R0 ; ADD BUFFER ADDRESS OFFSET
603 7626 016502 MOV 2(R5),R2 ; GET OUTPUT ADDRESS
604 7632 012712 MOV TSTDTA,(R2)
605 7636 062702 ADD #50,R2
606 7642 012701 MOV #5,R1 ; INITIALIZE COUNTER
607 7646 012022 X51: MOV (R0)+,(R2)+ ; TRANSFER WORD
608 7650 005301 DEC R1 ; AT END?
609 7652 100375 BPL X51 ; NO, TRY AGAIN
610 7654 000207 XOUT: RTS PC ; RETURN
611 ;
612 7656 012767 X53: MOV #1,TSTDTA ; SET FLAG FOR ALL DONE
613 7664 016700 MOV SEGCTR,R0
614 7670 005067 CLR SEGCTR ; CLEAR COUNTER
615 7674 000730 BR X51B
616 ;
617 7676 016501 FOR03: MOV 2(R5),R1 ; GET FLAG DATA
618 7702 012702 MOV #POINT+4,R2 ; GET OUTPUT ADDRESS
619 7706 012122 MOV (R1)+,(R2)+ ; STORE FLAGS
620 7710 012122 MOV (R1)+,(R2)+ ; STORE FIRST STREET NO.
621 7712 012122 MOV (R1)+,(R2)+ ; STORE SECOND STREET NO.
622 7714 011122 MOV (R1),(R2)+ ; STORE CITY NO.
623 7716 000756 BR XOUT
624 ;
625 ; INTERFACE ROUTINE FOR BOUNDARYS CHECK
626 ;
627 7720 010546 START4: MOV R5,-(SP)
628 7722 004567 JSR R5,SAVREG
629 7726 .LOOKUP #LIST3,#7,#ROUTE
630 7760 103470 BCS STAT4E
631 7762 .READW #LIST4,#7,#AMBUFF,#1028,,IBK1
632 0032 .CLOSE #7
633 0044 .SRESET
634 0046 016605 MOV 12(SP),R5
635 0052 016702 MOV VRBUF,R2
636 0056 012703 MOV #AMBUFF+1000,R3

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637 0062 026223 STAT4A: CMP      100(R2), (R3)+
638 0066 001406          BEQ      STAT4B
639 0070 020327          CMP      R3, #AMBUFF+3170
640 0074 100772          BMI      STAT4A
641 0076 012703          MOV      #AMBUFF+1004, R3
642 0102 000404          BR       STAT4C
643 0104 021362 STAT4B: CMP      (R3), 102(R2)
644 0110 001364          BNE      STAT4A
645 0112 005723          TST      (R3)+
646 0114 016502 STAT4C: MOV      2(R5), R2
647 0120 016722          MOV      OBUFR+2, (R2)+
648 0124 016722          MOV      OBUFR+4, (R2)+
649 0130 012701          MOV      #17, R1
650 0134 012322 STAT4D: MOV      (R3)+, (R2)+
651 0136 005301          DEC      R1
652 0140 100375          BPL      STAT4D
653 0142 004567 STAT4E: JSR      R5, RSTREG
654 0146 012605          MOV      (SP)+, R5
655 0150 000207          RTS      PC
656 0152          LIST3:  .BLKW   5
657 0164          LIST4:  .BLKW   5
658 0176 000000 IBK1:    .WORD   0
659 0200 000000 TESTA:   .WORD   0,0
660          :
661          :      INTERNAL VARIABLES
662          :
663 0204 000000 SEGCTR:   .WORD   0
664 0206 000000 OBUFR:   .WORD   0,0,0,0
665 0216          TSTDTA: .BLKW   50.
666          :
667          000000      .END    LOCUPD

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ABSPHS= ***** G	AMBUFF 003316RG	AMPLOK 002274RG
AMPTAB 002230RG	AMPUPD 002244RG	AM2 002410R
AM2A 002600R	AM2B 002440R	A1 002606R
A1A 002624R	A3 002634R	BASECD= ***** G
BNDYRS= ***** G	BSCD1 001534R	BSRQST= ***** G
DSPCMD= ***** G	DTASTR= ***** G	END: 002270R
END2 002274R	ER1 000332R	EXIT 002156RG
EXITA 001062R	EXITAA 001030R	EXITX 001200R
EXITX1 001124R	EXITI 001204R	EXIT1A 002056R
EXIT2A 001760R	EXIT2B 001774R	FINISH 000652R
FNDBUF= ***** G	FNDSTR= ***** G	FOR02 007476RG
FOR03 007676RG	GTVREF= ***** G	HOURS = ***** G
IBK 003314R	IBK1 010176R	LANEXY= ***** G
LDVREF 001250R	LIST1 003270R	LIS2 003302R
LIST3 010152R	LIST4 010164R	LOCMP5 002250RG
LOCMP1 002242RG	LOCUPD 000000RG	LSTATR 000412R
LUIEND= ***** G	LUINPB= ***** G	LUINPI 002252R
LUINPP= ***** G	LUTBUF 002126RG	L1 000104R
L1A 000154R	L1B 000054R	L11 002046R
L11A 002052R	L2 000272R	L3 000304R
L4 000314R	MINFIL= ***** G	MINS = ***** G
NTEXT= ***** G	OBUFR 010206RG	OUT 001074R
OUTA 001076R	OUTB 001076R	OUT: 002006R
PC =%000007	PF1LE = ***** G	PNTR1 002154RG
POINT 002160RG	PROLLO 000366R	PRO: 000406R
RER1 000530R	RLSBUF= ***** G	ROUTE = ***** G
RSETSP 000416R	RSET2 001006R	RSTREG= ***** G
RSWD1 000446RG	R0 =%000000	R1 =%000001
R2 =%000002	R3 =%000003	R4 =%000004
R5 =%000005	SAVREG= ***** G	SAVR5 002262R
SAVSP 002260R	SECS = ***** G	SEGCTR 010204R
SP =%000006	SPTST= ***** G	START2 007452RG
START3 007520RG	START4 007720RG	STA4A 010062R
STAT4B 010104R	STAT4C 010114R	STA4D 010134R
STAT4E 010142R	STRTIN 007326RG	S1 007400R
S1A 007466R	S1AA 007446R	TABLAD 003266R
TESTA 010200RG	TESTR 002662R	TESRB 003250R
TESTRC 003034R	TESTRD 003260R	TESRE 002760R
TESTRF 003132R	TESTRH 003122R	TESRI 003204R
TESTRJ 003214R	TESTRK 003224R	TESRL 002776R
TESTRO 003234R	TESTRI 003006R	TESR2 003156R
TESTR3 003264R	TRO1 001726R	TRO2 001752R
TR2 001732R	TR3 001756R	TSTDIA 010216RG
UNSOUT 001700R	UNSO1 001706R	UNSTA 001640R
UNSTB 001654R	UNSTC 001670R	UNSTP1 002264R
UNSTP2 002270R	UN51 001574R	UN52 001616R
UN53 001622R	UN54 001610R	VALVID= ***** G
VRBUF 000130RG	WORD1 002254RG	WORD2 002256R
WTVREF= ***** G	XOUT 007654R	XYFILE= ***** G
X51 007646R	X51A 007552R	X51B 007556R
X51C 007610R	X51D 007616R	X51E 007536R
X53 007656R	YARD1 000540R	YARD2 000606R
ZROAMP 000342R	...V2 = 000001	

LOCUPD RT-11 CRO VM02-10 00:31:26 PAGE 1+
SYMBOL TABLE

. ABS. 000000 000
010362 001

ERRORS DETECTED: 0
FREE CORE: 16967. WORDS

.LP:/C:=LOCUPD.MAC

.	1-205	1-205#	1-385	1-385#	1-387	1-387#	
...V1	1-427	1-429	1-430	1-444	1-629	1-631	1-632
...V2	1-19#	1-394#	1-522#				
A1	1-404	1-436#	1-436*				
A1A	1-439#	1-446					
A3	1-428	1-442#					
ABSPHS	1-25#	1-227					
AM2	1-412	1-418#					
AM2A	1-423	1-433#	1-440				
AM2B	1-419	1-424#					
AMBUFF	1-399#	1-429	1-515#	1-538#	1-546	1-549	1-550
	1-602	1-631	1-636	1-639	1-641		
AMPLOK	1-26#	1-232	1-398#	1-401#			
AMPTAB	1-27#	1-372#					
AMPUPD	1-27#	1-115*	1-209*	1-224*	1-335	1-358*	1-374#
BASECD	1-23#	1-39	1-59	1-97	1-140	1-291	1-314
	1-324	1-349	1-398#	1-420	1-437	1-442	1-494
	1-503						
BNDYRS	1-398#	1-408	1-416				
BSCD1	1-286*	1-292#					
BSRQST	1-26#	1-342	1-345	1-347*			
DSPCMD	1-26#	1-311	1-329	1-399#	1-496	1-505	
DTASTR	1-27#	1-317	1-399#	1-462	1-465	1-483	1-498
END1	1-293	1-385#					
END2	1-298	1-387#					
ER1	1-96*	1-98#					
EXIT	1-25#	1-181	1-190	1-369#			
EXIT1	1-107	1-120	1-191	1-227#			
EXIT1A	1-225	1-264	1-338	1-355#			
EXIT2A	1-226	1-335#					
EXIT2B	1-336	1-339#					
EXITA	1-99	1-114	1-202#				
EXITAA	1-142	1-183	1-196#				
EXITX	1-226#	1-231					
EXITX1	1-201	1-215#	1-229	1-234	1-236		
FINISH	1-155	1-165#					
FNDBUF	1-23#	1-55					
FNDSTR	1-26#	1-276	1-284				
FOR02	1-532#	1-574#					
FOR03	1-533#	1-617#					
GVREF	1-23#	1-64					
HOURS	1-24#	1-71	1-166	1-167			
IBK	1-429	1-514#					
IBK1	1-631	1-658#					
L1	1-46	1-51#					
L11	1-348*	1-350#					
L11A	1-343	1-346	1-351#				
L1A	1-58	1-62#					
L1B	1-38	1-42#					
L2	1-86	1-88#					
L3	1-89	1-91#					
L4	1-92	1-94#					
LANEXY	1-398#	1-402					
LDVREF	1-182	1-240#					
LIST1	1-427	1-512#					
LIST2	1-429	1-513#					

LIST3	1-629	1-656#					
LIST4	1-631	1-657#					
LOCMP5	1-27#	1-228	1-375#				
LOCMP7	1-25#	1-188#	1-208*	1-230	1-373#		
LOCUPD	1-23#	1-31#	1-667				
LSTATR	1-90	1-120#					
LUIEND	1-24#	1-45					
LUINPB	1-24#	1-35					
LUINPI	1-36	1-37	1-44*	1-47*	1-379#		
LUINPP	1-24#	1-37					
LUTBUF	1-25#	1-68	1-103	1-111	1-124	1-177	1-187
	1-199*	1-200*	1-216	1-256	1-269	1-360	1-367#
	1-398#	1-453*	1-457*	1-470	1-475	1-478*	1-487*
	1-490*						
MINFIL	1-398#	1-426					
MINS	1-24#	1-72	1-168	1-169			
NTEXTIT	1-23#	1-180	1-189				
OBUFR	1-26#	1-399#	1-403	1-418	1-424	1-425	1-451
	1-468	1-541#	1-556	1-557	1-561	1-562	1-575*
	1-576*	1-577*	1-647	1-648	1-664#		
OUT	1-202*	1-204#					
OUT1	1-339*	1-341#					
OUTA	1-41	1-206#	1-351				
OUTB	1-61	1-205#					
PFILE	1-529#	1-560					
PNTR1	1-25#	1-54*	1-69	1-268	1-277	1-285	1-295
	1-344	1-359	1-368#	1-399#	1-450		
POINT	1-24#	1-146	1-156	1-165	1-222	1-223	1-233
	1-235	1-240	1-270	1-274	1-282	1-370#	1-398#
	1-399#	1-422*	1-439*	1-540#	1-545*	1-548*	1-561*
	1-562*	1-567	1-618				
PRO1	1-113	1-115#					
PROLLO	1-93	1-111#					
RER1	1-136*	1-139*	1-141#				
RLSBUF	1-25#	1-203	1-340				
ROUTE	1-534#	1-629					
RSET2	1-131	1-187#					
RSETSP	1-87	1-124#					
RSTREG	1-24#	1-210	1-390#	1-433	1-534#	1-653	
RSWD1	1-25#	1-126*	1-129#	1-130	1-132	1-134	1-138
S1	1-553#	1-555					
S1A	1-569#	1-571					
S1AA	1-547	1-563#					
SAVRS	1-32*	1-207	1-383#				
SAVREG	1-23#	1-31	1-398#	1-401	1-534#	1-628	
SAVSP	1-33*	1-206	1-382#				
SECS	1-24#	1-73	1-170	1-171			
SEGCTR	1-559*	1-582	1-584	1-587	1-601*	1-613	1-614*
	1-663#						
SPTEST	1-23#	1-128					
START2	1-530#	1-566#					
START3	1-531#	1-580#					
START4	1-534#	1-627#					
STAT4A	1-637#	1-640	1-644				
STAT4B	1-638	1-643#					
STAT4C	1-642	1-646#					
STAT4D	1-650#	1-652					

STAT4E	1-630	1-653#					
STRTIN	1-398#	1-432	1-528#	1-543#			
TABLAD	1-511#						
TESTA	1-399#	1-406*	1-407*	1-413*	1-414*	1-415*	1-534#
	1-659#						
TESTR	1-409	1-417	1-450#				
TESTR1	1-452	1-468#					
TESTR2	1-469	1-490#					
TESTR3	1-455	1-474	1-489	1-507#			
TESTR8	1-460*	1-481*	1-501*	1-504#			
TESTRC	1-471	1-473#	1-500				
TESTRD	1-461*	1-482*	1-502*	1-506#			
TESTRE	1-459*	1-463#					
TESTRF	1-476	1-486#					
TESTRH	1-480*	1-484#					
TESTRI	1-491*	1-495#					
TESTRJ	1-492*	1-497#					
TESTRK	1-493*	1-499#					
TESTRL	1-464*	1-466#					
TESTRO	1-467	1-485	1-501#				
TR2	1-322	1-326#					
TR3	1-328	1-331#					
TRO1	1-323*	1-325#					
TRO2	1-326*	1-330#					
TSTDTA	1-539#	1-544*	1-549*	1-551	1-558*	1-580	1-582
	1-586*	1-595	1-604	1-612*	1-665#		
		1-305					
UNS1	1-297	1-300#					
UNS2	1-301	1-307#					
UNS3	1-303	1-309#					
UNS4	1-304#	1-308					
UNSO1	1-319	1-321#					
UNSOUT	1-306	1-320#					
UNSTA	1-310*	1-312#					
UNST8	1-313*	1-315#					
UNSTC	1-316*	1-318#					
UNSTP1	1-294	1-384#					
UNSTP2	1-299	1-386#					
VALVID	1-23#	1-53					
VRBUF	1-25#	1-56#	1-57	1-63	1-74	1-196	1-202
	1-215	1-241	1-257	1-275	1-283	1-339	1-355
	1-399#	1-405	1-410	1-436	1-534#	1-635	
WORD1	1-26#	1-42*	1-51	1-83	1-356	1-380#	
WORD2	1-43*	1-78	1-126	1-127	1-357	1-381#	
WTVREF	1-26#	1-362					
X51	1-607#	1-609					
X51A	1-585	1-587#					
X51B	1-588#	1-615					
X51C	1-598#	1-600					
X51D	1-594	1-601#					
X51E	1-581	1-584#					
X53	1-583	1-612#					
XOUT	1-572	1-578	1-610#	1-623			
XYFILE	1-399#	1-427					
YARD1	1-133	1-146#					
YARD2	1-135	1-156#					
ZROAMP	1-95	1-103#					

...CM1	1-19#	1-394#	1-427	1-429	1-522#	1-629	1-631
...CM2	1-19#	1-394#	1-427	1-429	1-429	1-429	1-429
	1-522#	1-629	1-631	1-631	1-631	1-631	
...CM3	1-19#	1-394#	1-430	1-444	1-522#	1-632	
...CM4	1-19#	1-394#	1-429	1-522#	1-631		
...V2...	1-18#	1-19	1-393#	1-394	1-521#	1-522	
.CLOSE	1-393#	1-430	1-444	1-521#	1-632		
.LOOKU	1-393#	1-427	1-521#	1-629			
.READW	1-393#	1-429	1-521#	1-631			
.REGDE	1-18#	1-20	1-393#	1-395	1-521#	1-523	
.SRESE	1-393#	1-431	1-445	1-521#	1-633		

.....

0001

SUBROUTINE LANEXY

PROCESS INPUT PHIA AND PHIY

THIS ROUTINE INITIALIZES LOCATION DATA, REQUESTS LOCATION INPUT DATA, COMPUTES THE BEST ESTIMATE OF LOCATION X,Y POSITION USING PARTIAL DIFFERENTIAL EQUATIONS USING AN EXTENSION OF NEWTON'S METHOD, AND OUTPUTS THE DATA IN AN ARRAY. THE LIMITS ON THE APPROXIMATION ARE DERIVED FROM THE INTEGER RESTRICTIONS ON THE INPUT DATA.

THIS ROUTINE REQUIRES TWO SUPPORTING SUBROUTINES FOR I/O TO THE ASSEMBLY LANGUAGE PROCESSORS: START2, AND FOR02.

DISTANCES HAVE BEEN ADJUSTED TO COMPUTE TO AN ACCURACY OF .0 FEET AND THE MOST SIGNIFICANT DIGIT(4), HAS BEEN SUPPRESSED RELATIVE TO THE U.S. GEOLOGICAL SURVEY MAPS.

PROGRAM CONSTANTS

VAR.	DESCRIPTION	UNITS	FORMAT
VKPOLX	= KPOL X-LOCATION	FT	REAL*4
VKPOLY	= KPOL Y-LOCATION	FT	REAL*4
VKNXX	= KNX X-LOCATION	FT	REAL*4
VKNXY	= KNX Y-LOCATION	FT	REAL*4
VKFIX	= KFI X-LOCATION	FT	REAL*4
VKFIY	= KFI Y-LOCATION	FT	REAL*4
VLMDA1	= WAVELENGTH FOR KPOL	FT	REAL*4
VLMDA2	= WAVELENGTH FOR KFI	FT	REAL*4

INTERNAL VARIABLES

XTRY	= TRIAL X-COORDINATE	FT	REAL*4
YTRY	= TRIAL Y-COORDINATE	FT	REAL*4
DIST1	= DISTANCE FROM INPUT TO KNX	FT	REAL*4
DIST2	= DISTANCE FROM INPUT TO KPOL	FT	REAL*4
DIST3	= DISTANCE FROM INPUT TO KFI	FT	REAL*4
DIST4	= DISTANCE FROM TRIAL TO KPOL	FT	REAL*4
DIST5	= DISTANCE FROM TRIAL TO KNX	FT	REAL*4
DIST6	= DISTANCE FROM TRIAL TO KFI	FT	REAL*4
PRTPIX	= PARTIAL OF PHIA TO X		REAL*4
PRTPIY	= PARTIAL OF PHIA TO Y		REAL*4
PRTPIX	= PARTIAL OF PHIB TO X		REAL*4
PRTPIY	= PARTIAL OF PHIB TO Y		REAL*4
DELPA	= DELTA PHIA	LANE COUNT	REAL*4
DELPB	= DELTA PHIB	LANE COUNT	REAL*4
TEMPA	= COMPUTATIONAL CONSTANT FOR PHIA EQ 1/FT		REAL*4
TEMPB	= COMPUTATIONAL CONSTANT FOR PHIB EQ 1/FT		REAL*4
TEMPX	= INTERMEDIATE ESTIMATE OF X	FT	INTEGER*2
TEMPY	= INTERMEDIATE ESTIMATE OF Y	FT	INTEGER*2

C	PATR1 = COMPUTED LANE COUNT PHIA	LANE COUNT INTEGER*2
C	PBTR1 = COMPUTED LANE COUNT PHIB	LANE COUNT INTEGER*2
C	DPAT = ERROR FROM MEASURED PHIA	LANE COUNT INTEGER*2
C	DPBT = ERROR FROM MEASURED PHIB	LANE COUNT INTEGER*2

INPUT/OUTPUT VARIABLES

C	LSTX = LAST KNOWN X-LOCATION	FT	INTEGER*2
C	LSTY = LAST KNOWN Y-LOCATION	FT	INTEGER*2
C	LSTIM1 = LAST TIME INPUT	HOURS	INTEGER*2
C	LSTIM2 = LAST TIME INPUT	MINUTES	INTEGER*2
C	LSTIM3 = LAST TIME INPUT	SECONDS	INTEGER*2
C	CRTIM1 = CURRENT TIME INPUT	HOURS	INTEGER*2
C	CRTIM2 = CURRENT TIME INPUT	MINUTES	INTEGER*2
C	CRTIM3 = CURRENT TIME INPUT	SECONDS	INTEGER*2
C	XLSTA = LAST KNOWN AM PHASE 1070-1540	LANE COUNT	INTEGER*2
C	XLSTB = LAST KNOWN AM PHASE 1070-640	LANE COUNT	INTEGER*2
C	IPHIA = INPUT LANE COUNT RELATIVE TO 1540	LANE COUNT	INTEGER*2
C	IPHIB = INPUT LANE COUNT RELATIVE TO 640	LANE COUNT	INTEGER*2
C	IXOUT = OUTPUT X-LOCATION	FT	INTEGER*2
C	IYOUT = OUTPUT Y-LOCATION	FT	INTEGER*2

C*****

0002	COMMON	LSTXY(20), IXYOUT(3)
0003	DATA	VKPOLX, VKPOLY/23152., 14104./
0004	DATA	VKNXX, VKNXY/18198., 6134./
0005	DATA	VKFIX, VKFIY/28394., 6875./
0006	DATA	VLMDA1, VLMDA2/1.9878828, 4.882592/

0007 CALL START2(LSTXY)

STORE VARIABLES

0008	LSTX	=	LSTXY(15)
0009	LSTY	=	LSTXY(16)
0010	LSTIM1	=	LSTXY(7)
0011	LSTIM2	=	LSTXY(8)
0012	LSTIM3	=	LSTXY(9)
0013	CRTIM1	=	LSTXY(10)
0014	CRTIM2	=	LSTXY(11)
0015	CRTIM3	=	LSTXY(12)
0016	XLSTA	=	LSTXY(13)
0017	XLSTB	=	LSTXY(14)
0018	IPHIA	=	LSTXY(1)
0019	IPHIB	=	LSTXY(2)

START LOOP

0020	ITEMPA = IPHIA
0021	ITEMPB = IPHIB
0022	1000 IFLAG1 = 0.
0023	IPHIA = ITEMPA

```

0024      IPHIB = ITEMPB
0025 1300 IF (ABS(IPHIA-XLSTA) - 200.)1010,1010,1100
0026 1010 IF (ABS(IPHIB - XLSTB) - 200.)1020,1020,1200
0027 1100 IF (IPHIA - XLSTA)1110,1110,1120
0028 1110 IPHIA = XLSTA - 150.
0029      GO TO 1230
0030 1120 IPHIA = XLSTA + 150.
0031      GO TO 1230
0032 1200 IF (IPHIB - XLSTB)1210,1210,1220
0033 1210 IPHIB = XLSTB - 150.
0034      GO TO 1230
0035 1220 IPHIB = XLSTB + 150.
0036 1230 IFLAG1 = 1.
0037 1020 XTRY = LSTX
0038      YTRY = LSTY
0039      TIMES = 6.
0040      FLAG = 1.

```

```

C
C      LOOP START, COMPUTE DISTANCE TO AM PHASE STATIONS
C

```

```

0041 100 DIST1 = SQRT((XTRY-VKNXX)**2+(YTRY-VKNXY)**2)
0042      DIST2 = SQRT((XTRY-VKPOLX)**2+(YTRY-VKPOLY)**2)
0043      DIST3 = SQRT((XTRY-VKFIX)**2+(YTRY-VKF.Y)**2)

```

```

C
C      COMPUTE PARTIALS
C

```

```

0044      XTRY1 = XTRY-VKNXX
0045      XTRY2 = XTRY-VKPOLX
0046      XTRY3 = XTRY-VKFIX
0047      YTRY1 = YTRY-VKNXY
0048      YTRY2 = YTRY-VKPOLY
0049      YTRY3 = YTRY-VKF.Y
0050      PRTPAX = (XTRY1/DIST1 - XTRY2/DIST2) / VLNDH1
0051      PRTPAY = (YTRY1/DIST1 - YTRY2/DIST2) / VLNDH1
0052      PRTPBX = (XTRY1/DIST1 - XTRY3/DIST3) / VLNDH2
0053      PRTPBY = (YTRY1/DIST1 - YTRY3/DIST3) / VLNDH2

```

```

C
C      COMPUTE ESTIMATED ERROR
C

```

```

0054      DELPA = IPHIA-XLSTA
0055      DELPB = IPHIB-XLSTB
0056      IF (DELPB) 103,101,.03
0057 101 IF (DELPB) 103,102,.03

```

```

C
C      DETERMINE COMPUTATIONAL CONSTANTS
C

```

```

0058 103 TEMPAA = PRTPAX*DELPB - PRTPBX*DELPA
0059      TEMPAB = PRTPAX*PRTPBY - PRTPBX*PRTPAY
0060      TEMPA = TEMPAA/TEMPAB
0061      TEMPB = (DELPB-PRTPAY * TEMPA) / PRTPAX

```

```

C
C      COMPUTE INTERMEDIATE ESTIMATE OF X AND Y
C

```

```

0062      TEMPX = XTRY+TEMPB

```

```
0063      TEMPY      = YTRY+TEMPA
      C
      C      COMPUTE NEW ESTIMATE OF PHIA AND PHIB
      C
0064      DIST4      = SQRT((VKPOLX-TEMPX)**2+(VKPOLY-TEMPY)**2)
0065      DIST5      = SQRT((VKNXX-TEMPX)**2+(VKNXY-TEMPY)**2)
0066      DIST6      = SQRT((VKFXX-TEMPX)**2+(VKFIY-TEMPY)**2)
      C
      C      COMPUTE ESTIMATE OF LANE COUNT
      C
0067      PATR1      = (DIST5-DIST4)/VLMDA1
0068      PBTR1      = (DIST5-DIST6)/VLMDA2
      C
      C      ESTIMATE ERROR
      C
0069      DPAT       = IPHIA-PATR1
0070      DPBT       = IPHIB-PBTR1
      C
      C      TEST FOR FIRST TIME THROUGH LOOP AND FORMAT OUTPUT DATA
      C
0071      IF (TEMPX .GT. 30000.) GO TO 220
0073      IF (TEMPX .LT. 16000.) GO TO 220
0075      IF (TEMPY .GT. 15000.) GO TO 220
0077      IF (TEMPY .LT. 0.) GO TO 220
0079      IF (XTRY .EQ. LSTX) GO TO 200
0081      IF (DPAT .GT. 1) GO TO 200
0083      IF (DPBT .GT. 1) GO TO 200
0085      IF (FLAG .EQ. 1) GO TO 400
0087      102 FLAG = 0
0088      110 IXYOUT(1) = FLAG
0089      IF (TEMPX-32000.) 104,106,106
0090      104 IF (TEMPX) 106,106,109
0091      109 IF (TEMPY-32000.) 107,106,106
0092      107 IF (TEMPY) 106,106,105
0093      105 IXYOUT(2) = TEMPX
0094      IXYOUT(3) = TEMPY
0095      GO TO 300
0096      106 IXYOUT(1) = 2.
0097      GO TO 310
      C
      C      TEST DATA FOR TIMES THRU
      C
0098      200 XTRY      = TEMPX
0099      YTRY      = TEMPY
0100      XLSTA      = PATR1
0101      XLSTB      = PBTR1
0102      TIMES = TIMES-1.
0103      IF (TIMES) 210,210,100
0104      210 FLAG = 1.
0105      GO TO 110
0106      220 FLAG = 1
0107      IFLAG1 = 0.
0108      GO TO 110
0109      400 FLAG = 0.
```

```
0110      GO TO 200
      C
      C      OUTPUT DATA AND RETURN
      C
0111      300 IF (IFLAG1)310,310,305
0112      305 XLSTA = IPHIA
0113          XLSTB = IPHIB
0114          LSTX = TEMPX
0115          LSTY = TEMPY
0116          GO TO 1000
0117      310 CALL FOR02(IXYOUT)
0118          RETURN
0119          END
```


CONTINUED

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FORTRAN IV STORAGE MAP

NAME	OFFSET	ATTRIBUTES
VKPOLX	000014	REAL*4 VARIABLE
VKPOLY	000020	REAL*4 VARIABLE
VKNXX	000024	REAL*4 VARIABLE
VKNXY	000030	REAL*4 VARIABLE
VKFIX	000034	REAL*4 VARIABLE
VKFIY	000040	REAL*4 VARIABLE
VLMDA1	000044	REAL*4 VARIABLE
VLMDA2	000050	REAL*4 VARIABLE
START2	000000	REAL*4 PROCEDURE
LSTX	000064	INTEGER*2 VARIABLE
LSTY	000066	INTEGER*2 VARIABLE
LSTIM1	000070	INTEGER*2 VARIABLE
LSTIM2	000072	INTEGER*2 VARIABLE
LSTIM3	000074	INTEGER*2 VARIABLE
CRTIM1	000076	REAL*4 VARIABLE
CRTIM2	000.02	REAL*4 VARIABLE
CRTIM3	000.06	REAL*4 VARIABLE
XLSTA	000.12	REAL*4 VARIABLE
XLSTB	000.16	REAL*4 VARIABLE
IPHIA	000.22	INTEGER*2 VARIABLE
IPHIB	000.24	INTEGER*2 VARIABLE
ITEMPA	000.26	INTEGER*2 VARIABLE
ITEMPB	000.30	INTEGER*2 VARIABLE
IFLAG1	000.32	INTEGER*2 VARIABLE
ABS	000000	REAL*4 PROCEDURE
XTRY	000.34	REAL*4 VARIABLE
YTRY	000.40	REAL*4 VARIABLE
TIMES	000.44	REAL*4 VARIABLE
FLAG	000.50	REAL*4 VARIABLE
DIST1	000.54	REAL*4 VARIABLE
SQRT	000000	REAL*4 PROCEDURE
DIST2	000.60	REAL*4 VARIABLE
DIST3	000.64	REAL*4 VARIABLE
XTRY1	000.70	REAL*4 VARIABLE
XTRY2	000.74	REAL*4 VARIABLE
XTRY3	000200	REAL*4 VARIABLE
YTRY1	000204	REAL*4 VARIABLE
YTRY2	000210	REAL*4 VARIABLE
YTRY3	000214	REAL*4 VARIABLE
PRTPAV	000220	REAL*4 VARIABLE
PRTPAY	000224	REAL*4 VARIABLE
PRTPBX	000230	REAL*4 VARIABLE
PRTPBY	000234	REAL*4 VARIABLE
DELPA	000240	REAL*4 VARIABLE
DELPB	000244	REAL*4 VARIABLE
TEMPAA	000250	REAL*4 VARIABLE
TEMPAB	000254	REAL*4 VARIABLE
TEMPA	000260	REAL*4 VARIABLE
TEMPB	000264	REAL*4 VARIABLE
TEMPX	000270	REAL*4 VARIABLE
TEMPY	000274	REAL*4 VARIABLE
DIST4	000300	REAL*4 VARIABLE

FORTRAN IV STORAGE MAP

NAME	OFFSET	ATTRIBUTES
------	--------	------------

DIST5	000304	REAL*4 VARIABLE
DIST6	000310	REAL*4 VARIABLE
PATR1	000314	REAL*4 VARIABLE
PBTR1	000320	REAL*4 VARIABLE
DPAT	000324	REAL*4 VARIABLE
DPBT	000330	REAL*4 VARIABLE
FOR02	000000	REAL*4 PROCEDURE

COMMON BLOCK // LENGTH 000056

LSTXY	000000	INTEGER*2 ARRAY (20)
IXYOUT	000050	INTEGER*2 ARRAY (3)

0001
0002FUNCTION AREA (X1, Y1, X2, Y2)
COMMON /POINT1/ EX, EY0003
0004
0005
$$D1 = \text{SQRT}(((EX-X1)*(EX-X1)) + ((EY-Y1)*(EY-Y1)))$$
$$D2 = \text{SQRT}(((EX-X2)*(EX-X2)) + ((EY-Y2)*(EY-Y2)))$$
$$D3 = \text{SQRT}(((X1-X2)*(X1-X2)) + ((Y1-Y2)*(Y1-Y2)))$$

0006

$$S = (D1 + D2 + D3) / 2$$

0007

$$\text{AREA} = \text{SQRT}(((S-D1) * (S-D2) * (S-D3)) * S)$$
0008
0009RETURN
END

FORTAN IV STORAGE MAP

NAME	OFFSET	ATTRIBUTES
------	--------	------------

AREA	000024	REAL*4 VARIABLE
X1	000014	REAL*4 PARAMETER VARIABLE
Y1	000016	REAL*4 PARAMETER VARIABLE
X2	000020	REAL*4 PARAMETER VARIABLE
Y2	000022	REAL*4 PARAMETER VARIABLE
D1	000030	REAL*4 VARIABLE
SQRT	000000	REAL*4 PROCEDURE
D2	000034	REAL*4 VARIABLE
D3	000040	REAL*4 VARIABLE
S	000044	REAL*4 VARIABLE

COMMON BLOCK /POINT1/ LENGTH 000010

EX	000000	REAL*4 VARIABLE
EY	000004	REAL*4 VARIABLE

0001

SUBROUTINE BNDYRS

PROCESS ROUTE BOUNDARY AND MAPPED BOUNDARY DATA

THIS ROUTE USES THE ESTIMATED X,Y LOCATION DATA, INTERNALLY
STORED MAPPED BOUNDARY DATA AND INPUT ROUTE BOUNDARY DATA TO
DETERMINE:

1. IS THE VEHICLE WITHIN THE MAPPED AREA
 2. IS THE VEHICLE WITHIN ITS DESIGNATED ROUTE
- FLAGS ARE SET IN THE OUTPUT DATA BUFFER TO INDICATE THE VEHICLE
CONDITION.

THIS ROUTINE REQUIRES TWO SUPPORTING ROUTINES FOR I/O TO THE
ASSEMBLY LANGUAGE PROCESSORS: START4, AND FOR02(SHARED - LANEXY)

ALL LOCATION INFORMATION AND DISTANCES HAVE BEEN ADJUSTED TO
COMPUTE TO AN ACCURACY OF 10 FEET AND THE MOST SIGNIFICANT
DIGIT(4), IN THE X,Y DATA HAS BEEN SUPPRESSED RELATIVE TO THE
U.S. GEOLOGICAL SURVEY MAPS.

PROGRAM CONSTANTS

VAR. DESCRIPTION

MPTX X CO-ORDINATES OF OUTER BOUNDARY
MPY Y CO-ORDINATES OF OUTER BOUNDARY
LSTXY(1)X INPUT
LSTXY(2)Y INPUT
LSTXY(3)NUMBER OF POINTS IN MATRIX
LSTXY(4)ROUTE NUMBER INDEX
LSTXY(5)X OF ROUTE BDRY
LSTXY(6)Y OF ROUTE BDRY

```
0002 COMMON      LSTXY(20),IXYOUT(3)
0003 COMMON /POINT1/ EX, EY
0004 DIMENSION    X(10),Y(10),RMPTX(12),RMPTY(12),A(40)
0005 DATA        RMPTX /:9443., 23091., 26170., 28259., 29562., 29576.,
: 25051., 20083., 16245., 15728., 14948., 19443. /
0006 DATA        RMPTY /:4952., 15154., 13819., 13000., 08278., 06006.,
2 01966., 00382., 01930., 03058., 09884., 14952. /
0007 DATA        A /
- 2230000.0, 818.000.0, 6573000.0, 10343000.0, 6829000.0,
- 6864000.0, 2147000.0, 9477000.0, 4.09000.0, 5608000.0,
- 2306000.0, 1579000.0, 1027000.0, 2.70000.0, 2756000.0,
- 8947000.0, 496.000.0, 8526000.0, 16410000.0, 2062000.0,
- 8856000.0, 13180000.0, 4196000.0, 5578000.0, 2733000.0,
- 6913000.0, 6458000.0, 1382000.0, 1434000.0, 13640000.0,
- 7124000.0, 14448000.0, 4959000.0, 10884000.0, 24163000.0,
- 6416000.0, 17305000.0, 10272000.0, 2526000.0, 0.0/
0008 DATA        TOTMAP /162669000.0/
```

GET INPUT DATA

```
0009      CALL      START4(LSTXY)
C
C      TRANSFER DATA TO TEST BUFFERS
C
0010      EX = LSTXY(1)
0011      EY = LSTXY(2)
0012      N  = LSTXY(3)
0013      M  = LSTXY(4)
0014      J  = 1
0015      DO 100 I = 5, 2*N+5, 2
0016      X(J) = LSTXY(I)
0017      Y(J) = LSTXY(I+1)
0018 100    J = J+1
C
C
C      COMPUTE AREA FOR MAPPED BOUNDARY
C
0019      AT = 0.
0020      DO 200 I = 1, 11
0021 200    AT = AT + AREA(RMPTX(I), RMPTY(I), RMPTX(I+1), RMPTY(I+1))
C
C      TEST FOR OUT OF MAPPED BOUNDARY. IXROUT = 1 - OUT OF MAPPED BDRY
C
0022      IF (AT - TOTMAP)300,300,210
0023 210    IXROUT(1) = 1
0024      GO TO 1000
C
C      COMPUTE AREA FOR ROUTE BOUNDARY
C
0025 300    AT = AREA(X(N), Y(N), X(1), Y(1))
0026      DO 400 I = 1, N-1
0027 400    AT = AT + AREA(X(I), Y(I), X(I+1), Y(I+1))
C
C      TEST FOR OUT OF ROUTE BOUNDARY. IXROUT = 2 - OUT OF ROUTE BDRY
C
0028      IF (AT - A(M))500,500,510
0029 510    IXROUT(1) = 2
0030      GO TO 1000
C
C      DATA OK, IXROUT = 0 - IN MAPPED BOUNDARY AND IN ROUTE
C
0031 500    IXROUT(1) = 0.
C
C      OUTPUT DATA AND RETURN
C
0032 1000   CALL FOR02(IXROUT)
C
0033      RETURN
0034      END
```

FORTAN IV STORAGE MAP

NAME	OFFSET	ATTRIBUTES
X	000014	REAL*4 ARRAY (10)
Y	000064	REAL*4 ARRAY (10)
RMPTX	000134	REAL*4 ARRAY (12)
RMPTY	000214	REAL*4 ARRAY (12)
A	000274	REAL*4 ARRAY (40)
TOTMAP	000534	REAL*4 VARIABLE
START4	000000	REAL*4 PROCEDURE
N	000540	INTEGER*2 VARIABLE
M	000542	INTEGER*2 VARIABLE
J	000544	INTEGER*2 VARIABLE
I	000546	INTEGER*2 VARIABLE
AT	000550	REAL*4 VARIABLE
AREA	000000	REAL*4 PROCEDURE
FORO2	000000	REAL*4 PROCEDURE

COMMON BLOCK // LENGTH 000056

LSTXY	000000	INTEGER*2 ARRAY (20)
IXYOUT	000050	INTEGER*2 ARRAY (3)

COMMON BLOCK /POINT1/ LENGTH 000010

EX	000000	REAL*4 VARIABLE
EY	000004	REAL*4 VARIABLE

.....

```

0001 SUBROUTINE PFILE
C
C DETERMINE INTERSECTION FROM X,Y DATA. FUNCTIONS INCLUDED IN THE
C ROUTINE ARE TESTS FOR INTERSECTION IN MAP AREA AND VELOCITY OVER
C 65 MPH. STREET NUMBER FILE POINTERS AND CITY FILE POINTERS ARE
C OUTPUT ALONG WITH FLAGS.
C
C THIS ROUTINE REQUIRES TWO SUPPORTING SUBROUTINES FOR I/O TO THE
C ASSEMBLY LANGUAGE PROCESSORS: START3,FOR03
C
C PROGRAM CONSTANTS
C
C VAR. DESCRIPTION
C
C IPTR P-MATRIX, POINTER FOR DATA LOAD
C C-MATRIX OF MIN:FILE EXTREMES
C S S-MATRIX OF X,Y AND SEGMENT DATA
C D1 LINE SEGMENT DISTANCE
C S1 DISTANCE FROM X,Y TO ONE END OF LINE SEGMENT
C R1 DISTANCE FROM X,Y TO OTHER END OF LINE SEGMENT
C P1 DISTANCE TO LINE
C SM1 SLOPE OF LINE SEGMENT
C B1 INTERCEPT OF LINE SEGMENT
C P DISTANCE ST. NO., CITY NO., SLOPE, INTERCEPT, MATRIX
C XA X COORDINATE OF INTERSECTION OF TWO LINE SEGMENTS
C YA Y COORDINATE OF INTERSECTION OF TWO LINE SEGMENTS
C PX DISTANCE FROM X,Y TO INTERSECTING LINE SEGMENTS
C PX1 CLOSEST DISTANCE
C ST1 STREET NO. 1 AND CITY
C ST2 STREET NO. 2 AND CITY
C LT LAST TIME UPDATE, SECONDS
C CT CURRENT TIME UPDATE, SECONDS
C DTIME DELTA TIME SINCE LAST UPDATE
C DDIST DELTA DISTANCE SINCE LAST UPDATE
C VEL VELOCITY, FPS
C (SEE ALSO SUBROUTINE LANEXY FOR FURTHER DEFINITION)
C
0002 COMMON LSTXY(20),IXYOUT(3),IBUFF(25),IOBUFR(4)
0003 DIMENSION C(8),S(6),P(15,9)
C
C GET DATA FROM MINIFILE
C
0004 100 CALL START3(IOBUFR)
C
C STORE MAPPED AREA COORDINATE LIMITS
C
0005 IF (IBUFF(1)-1) 110,130,120
0006 110 IPTR = 1
0007 I = 3
0008 DO 112 J = 1,8
0009 C(J) = IBUFF(I)*10000.+IBUFF(I+1)
0010 112 I = I + 2
0011 GO TO 100
C

```



```

C      STORE AND PROCESS X,Y SEGMENT DATA
C
0012 120 I = 18
0013      DO 122 J = 1,6
0014      122 S(J) = Ibuff(I+J)*10.+4000000.
0015      IF (S(3)-S(5)) 123.,1220.,123
0016 1220 S(3) = S(3)+1
0017      123 SM1 = (S(4)-S(6))/(S(3)-S(5))
0018      IF (SM1)1238.,1239.,1238
0019 1238 B1 = S(4)-SM1*S(3)
0020      XT1 = SM1*(S(1)-2000.)+B1
0021      XT2 = SM1*(S(1)+2000.)+B1
0022      YT1 = ((S(2)-2000.)-B1)/SM1
0023 1239 IF((S(2)-2000.).LT.XT1.AND.XT1.LT.(S(2)-2000.))GOTO1235
0025      IF((S(2)-2000.).LT.XT2.AND.XT2.LT.(S(2)-2000.))GOTO1235
0027      IF((S(1)-2000.).LT.YT1.AND.YT1.LT.(S(1)-2000.))GOTO1235
0029      1231 GO TO 131
0030 1235 XU = S(3)
0031      XL = S(5)
0032      IF (S(3).GT.S(5)) GO TO 1236
0034      XU = S(5)
0035      XL = S(3)
0036 1236 IF (XU.LT.(S(1)-2000.)) GO TO 1231
0038      IF (XL.GT.(S(1)+2000.)) GO TO 1231
0040      YU = S(4)
0041      YL = S(6)
0042      IF (S(4).GT.S(6)) GO TO 1237
0044      YU = S(6)
0045      YL = S(4)
0046 1237 IF (YU.LT.(S(2)-2000.)) GO TO 1231
0048      IF (YL.GT.(S(2)+2000.)) GO TO 1231
0050      P1 = ABS((-SM1*S(1)-S(2)-B1)/(SQRT(1+SM1**2)))

```

```

C      UPDATE P-MATRIX FILE
C
0051      IF (IPTR-15)124.,128.,128
0052 124 IF (IPTR-1)125.,125.,128
0053 125 DO 127 I = 1,15
0054      P(I,1) = 1000000.
0055      DO 127 J = 2,9
0056 127 P(I,J) = 0
0057 128 I = 1
0058      J = 1
0059 129 IF (P(I,J) .GT. P1) GO TO 132
0061      I = I+1
0062      IF (I-15)129.,131.,131.
0063 132 IPTR1 = I
0064      I = 14
0065 133 DO 134 J = 1,9
0066 134 P(I+1,J) = P(I,J)
0067      I = I - 1
0068      IF (I-IPTR1)1260.,133.,133
0069 1260 P(IPTR1,1) = P1
0070      P(IPTR1,2) = Ibuff(25)

```

```

0071 P(IPTR1,3) = SM1
0072 P(IPTR1,4) = B1
0073 P(IPTR1,5) = S(3)
0074 P(IPTR1,6) = S(4)
0075 P(IPTR1,7) = S(5)
0076 P(IPTR1,8) = S(6)
0077 P(IPTR1,9) = Ibuff(26)
0078 IF (IPTR-15) 12600,131,131
0079 12600 IPTR = IPTR + 1
0080 131 GO TO 100

```

```

C
C DETERMINE BEST APPROXIMATION TO INTERSECTION
C

```

```

0081 130 IF (IPTR-1) 170,170,160
0082 160 PX1 = 20000.
0083 ST1 = 0
0084 DO 155 I = 1, IPTR-1
0085 DO 155 J = 1, IPTR-I
0086 ITEMP = I
0087 IF (P(I,3)-P(J,3)) 999,155,999
0088 999 XA = (P(J,4)-P(I,4))/(P(I,3)-P(J,3))
0089 YA = P(I,3)*XA + P(I,4)
0090 K = 1
0091 1000 IF (P(I,5)-P(I,7)) 1135,1135,1136
0092 1135 IF (XA-30-P(I,7)) 1137,1137,155
0093 1136 IF (XA-30-P(I,5)) 1138,1138,155
0094 1137 IF (XA+30-P(I,5)) 155,155,137
0095 1138 IF (XA+30-P(I,7)) 155,155,137
0096 137 IF (P(I,6)-P(I,8)) 1130,1130,1139
0097 1130 IF (YA-30-P(I,8)) 1140,1140,155
0098 1139 IF (YA-30-P(I,6)) 1141,1141,155
0099 1140 IF (YA+30-P(I,6)) 155,155,1444
0100 1141 IF (YA+30-P(I,8)) 155,155,1444
0101 1444 IF (K-1) 144,144,1450
0102 1450 K = 0
0103 ITEMP = I
0104 I = J
0105 GO TO 1000
0106 144 IF (C(3) + 10 - XA) 155,155,140
0107 140 IF (C(5) - 10 - XA) 141,155,155
0108 141 IF (C(2) + 10 - YA) 155,155,142
0109 142 IF (C(4) - 10 - YA) 143,155,155
0110 143 PX = SQRT((S(1)-XA)**2+(S(2)-YA)**2)
0111 IF (PX1-PX) 155,155,150
0112 150 IF (P(ITEMP,2)-P(J,2)) 151,155,151
0113 151 PX1 = PX
0114 ST1 = P(ITEMP,2)
0115 ST2 = P(J,2)
0116 CTY = P(ITEMP,9)
0117 DX = S(1)-XA
0118 DY = S(2)-YA
0119 TDX = ABS(DX)
0120 TDY = ABS(DY)
0121 IF (TDX - TDY) 190,190,191

```

```
0122 190 IF (DX) 192, 192, 193
0123 191 IF (DY) 194, 194, 195
0124 192 CTY = (69.*256.) + CTY
0125      GO TO 155
0126 193 CTY = (87.*256.) + CTY
0127      GO TO 155
0128 194 CTY = (83.*256.) + CTY
0129      GO TO 155
0130 195 CTY = (78.*256.) + CTY
0131 155 I = ITEMP
0132      CONTINUE
0133      IF (ST1) 156, 170, 156
```

```
C
C      DO VELOCITY REASONABLENESS TEST
C
```

```
C 156      TLT = LSTXY(7)*3600+LSTXY(8)*60+LSTXY(9)
C      CT = LSTXY(10)*3600+LSTXY(11)*60+LSTXY(12)
C      DTIME = CT-TLT
C      DIST = SQRT ((LSTXY(15)-IBUFF(19))*2+(LSTXY(16)-IBUFF(20))*2)
C      VEL = DIST/DTIME
0134 156 GO TO 185
C      IF (VEL-96.) 185, 185, 175
C
```

```
C      LOAD OUTPUT DATA AND CALL TRANSFER
C
```

```
0135 170 IOBUFR(1) = 2
0136      GOTO 200
0137 175 IOBUFR(1) = 3
0138      GOTO 200
0139 185 IOBUFR(1) = PX1
0140      IOBUFR(2) = ST1
0141      IOBUFR(3) = ST2
0142      IOBUFR(4) = CTY
C
0143 200 CALL FOR03(IOBUFR)
C
0144      RETURN
0145      END
```

.....

FORTRAN IV STORAGE MAP

NAME	OFFSET	ATTRIBUTES
C	000014	REAL*4 ARRAY (8)
S	000054	REAL*4 ARRAY (6)
P	000104	REAL*4 ARRAY (15,9) VECTORED
START3	000000	REAL*4 PROCEDURE
IPTR	001202	INTEGER*2 VARIABLE
I	001204	INTEGER*2 VARIABLE
J	001206	INTEGER*2 VARIABLE
SM1	001210	REAL*4 VARIABLE
B1	001214	REAL*4 VARIABLE
XT1	001220	REAL*4 VARIABLE
XT2	001224	REAL*4 VARIABLE
YT1	001230	REAL*4 VARIABLE
XU	001234	REAL*4 VARIABLE
XL	001240	REAL*4 VARIABLE
YU	001244	REAL*4 VARIABLE
YL	001250	REAL*4 VARIABLE
P1	001254	REAL*4 VARIABLE
ABS	000000	REAL*4 PROCEDURE
SQRT	000000	REAL*4 PROCEDURE
IPTR1	001260	INTEGER*2 VARIABLE
PX1	001262	REAL*4 VARIABLE
ST1	001266	REAL*4 VARIABLE
ITEMP	001272	INTEGER*2 VARIABLE
XA	001274	REAL*4 VARIABLE
YA	001300	REAL*4 VARIABLE
K	001304	INTEGER*2 VARIABLE
PX	001306	REAL*4 VARIABLE
ST2	001312	REAL*4 VARIABLE
CTY	001316	REAL*4 VARIABLE
DX	001322	REAL*4 VARIABLE
DY	001326	REAL*4 VARIABLE
TDX	001332	REAL*4 VARIABLE
TDY	001336	REAL*4 VARIABLE
FOR03	000000	REAL*4 PROCEDURE

COMMON BLOCK // LENGTH 000150

LSTXY	000000	INTEGER*2 ARRAY (20)
IXYOUT	000050	INTEGER*2 ARRAY (3)
IBUFF	000056	INTEGER*2 ARRAY (25)
IOBUFR	000140	INTEGER*2 ARRAY (4)

VOLAY1 RT-11 CRO VM02-10 00:35:33
TABLE OF CONTENTS

1- 2 ABSPHS
1-360 NEXIT
1-555 SPTEST
1-694 M.NFIL

```

1 .TITLE VOLAY1
2 .SBTTL ABSPHS
3 ;
4 ; ABSPHS = ABSOLUTE PHASE AND STOP DATA - CARGO SECURITY
5 ;
6 ; OBJECT: TO DETERMINE THE ABSOLUTE PHASE DATA INPUT, DETERMINE
7 ; LOCATION CHANGE AND PROVIDE STOP DATA PROCESSING
8 ;
9 ; INPUT DATA: LUTBUF
10 ;
11 .MCALL ..V2....REGDEF
12 00000 ..V2..
13 00000 .REGDEF
14 .NLIST BEX
15 ;
16 .GLOBL ABSPHS,LUTBUF,POINT,VRBUF,PNTR1,VSTAT
17 .GLOBL DTASTR,DSPCMD,BASECD,SAVREG,RSTREG
18 .GLOBL WORD1,LOCMPY,HOURS,MINS,HALF,TRKTRN,LNGVST,MAXTRK
19 .GLOBL LOCMPY,BNDEC,VSTEND,AMPTAB,AMPUPD
20 ;
21 ; COMPUTE ABSOLUTE PHIA AND PHIB DATA AND FILL UP POINT BUFFER
22 ;
23 00000 012700 ABSPHS: MOV #LUTBUF,R0 ; GET DATA ADDRESS
24 00004 010067 MOV R0,AMPUPD ; STORE LUTBUF ADDR
25 00010 116001 MOVB 17(R0),R1 ; GET PHIA INCREMENTAL
26 00014 042701 BIC #177400,R1 ; CLEAR EXTRA BITS
27 00020 116002 MOVB 21(R0),R2 ; GET PHIA ROLLOVER
28 00024 042702 BIC #177400,R2 ; CLEAR EXTRA BITS
29 00030 000302 SWAB R2 ; SWAP BYTE
30 00032 116004 MOVB 1(R0),R4 ; GET CURRENT DATA
31 00036 042704 BIC #177760,R4 ; CLEAR EXTRANEIOUS BITS
32 00042 004567 JSR R5,ABSPH ; GO TO INTERNAL PROCESSOR
33 00046 000302 SWAB R2
34 00050 142760 BICB #17,1(R0)
35 00056 110260 MOVB R2,21(R0)
36 00062 150460 BISB R4,1(R0) ; STORE MODE BITS
37 00066 010167 MOV R1,POINT ; STORE TOTAL PHIA IN BUFR
38 00072 116001 MOVB 16(R0),R1 ; GET PHIB INCREMENTAL
39 00076 042701 BIC #177400,R1 ; CLEAR EXTRA DATA
40 00102 116002 MOVB 20(R0),R2 ; GET PHIB ROLLOVER
41 00106 042702 BIC #177400,R2 ; CLEAR EXTRA DATA
42 00112 000302 SWAB R2 ; SWAP BYTE
43 00114 111004 MOVB (R0),R4 ; GET CURRENT DATA
44 00116 042704 BIC #177760,R4 ; CLEAR EXTRANEIOUS BITS
45 00122 004567 JSR R5,ABSPH1 ; GO TO INTERNAL PROCESSOR
46 00126 012700 MOV #LUTBUF,R0 ; STORE DATA ADDR
47 00132 000302 SWAB R2
48 00134 142710 BICB #17,(R0)
49 00140 110260 MOVB R2,20(R0)
50 00144 010167 MOV R1,POINT+2 ; STORE REFERENCE PHIB IN BUFR
51 00150 150410 BISB R4,(R0) ; STORE MODE BITS
52 00152 005720 TST (R0)+
53 00154 016701 MOV VRBUF,R1 ; GET VREF ADDRESS

```

```

54 00160 012702      MOV      #POINT+14,R2      ; GET OUTPUT BUFFER ADDRESS
55 00164 016122      MOV      24(R1),(R2)+      ; STORE
56 00170 016122      MOV      26(R1),(R2)+      ; PREVIOUS VALID
57 00174 016122      MOV      30(R1),(R2)+      ; TIME
58 00200 012022      MOV      (R0)+,(R2)+      ; STORE
59 00202 012022      MOV      (R0)+,(R2)+      ; CURRENT
60 00204 011022      MOV      (R0),(R2)+      ; TIME
61 00206 016122      MOV      12(R1),(R2)+      ; STORE LAST PHIA(TOTAL)
62 00212 016122      MOV      14(R1),(R2)+      ; STORE LAST PHIB(TOTAL)
63 00216 016122      MOV      32(R1),(R2)+      ; STORE LAST X
64 00222 016122      MOV      34(R1),(R2)+      ; STORE LAST Y
65 00226 005062      CLR      4(R2)
66 00232 111162      MOV      (R1),4(R2)      ; STORE VEHICLE ID
67 00236 005062      CLR      6(R2)

68      ;
69      ;      TEST FOR SIGNIFICANT LOCATION CHANGE -- AMP1 OR AMPSTP
70      ;      (PHIA OR PHIB MUST BE MORE THAN 1 COUNT FROM CURRENT INPUT)
71      ;      R2 = ADDRESS OF POINT
72      ;

73 00242 012702      MOV      #POINT,R2      ; POINT TO NEW PHIA DATA
74 00246 016704      MOV      VRBUF,R4      ; GET VREF ADDRESS
75 00252 016403      MOV      12(R4),R3      ; GET PHIA TOTAL (PREVIOUS)
76 00256 005203      INC      R3      ; INCREMENT FOR + TEST
77 00260 020312      CMP      R3,(R2)      ; HAS PHIA CHANGED BY MORE THAN +1
78 00262 100420      BMI      AMP1      ; YES, SIG. CHANGE
79 00264 162703      SUB      #3,R3      ; RESET FOR -1 TEST
80 00270 020312      CMP      R3,(R2)      ; HAS PHIA CHANGED BY MORE THAN -1
81 00272 100014      BPL      AMP1      ; YES, SIG. CHANGE
82 00274 016403      MOV      14(R4),R3      ; GET PHIB TOTAL (PREVIOUS)
83 00300 005203      INC      R3      ; INCREMENT FOR + TEST
84 00302 062702      ADD      #2,R2      ; POINT TO NEW PHIB
85 00306 020312      CMP      R3,(R2)      ; HAS PHIB CHANGED BY MORE THAN +1
86 00310 100405      BMI      AMP1      ; YES, SIG. CHANGE
87 00312 162703      SUB      #3,R3      ; RESET FOR -1 CHANGE
88 00316 020312      CMP      R3,(R2)      ; HAS PHIB CHANGED BY MORE THAN -1
89 00320 100001      BPL      AMP1      ; YES, SIG. CHANGE
90 00322 000534      BR      AMPSTP      ; GO TO VEHICLE STOPPED PROC.

91      ;
92      ;      SIGNIFICANT CHANGE NOTED, TEST FOR VEHICLE MOVING PREVIOUSLY:
93      ;      IF NOT MOVING PREVIOUSLY, PROCESS FLAGS AND GO TO LOCATION UPDATE
94      ;      1. SAME LOCATION STOPPED
95      ;      2. DELIVERY
96      ;      3. NON-DELIVERY STOP GREATER THAN 5 MIN.
97      ;      IF MOVING PREVIOUSLY, GO TO LOCATION UPDATE
98      ;      REGISTER ASSIGNMENT, UPON ENTRY:
99      ;      R0 = ADDRESS OF LUTBUF
100      ;      R2 = ADDRESS OF POINT
101      ;      R4 = ADDRESS OF VREF DATA
102      ;

103 0324 005067 AMP1:  CLR      LOCMP5
104 0330 012702      MOV      #POINT,R2
105 0334 005267      INC      LOCMP1
106 0340 016703      MOV      PNTR1,R3      ; GET VSTAT ADDRESS

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107 0344 032763      BIT      #1000,2(R3)          ; IS VEHICLE STOPPED FLAG SET?
108 0352 001010      BNE      NEXT                  ; YES, GO TO NEXT PROCESSOR
109 0354 005267      INC      LOCMP1
110 0360 005067      CLR      AMPUPD+2
111 0364 042763      BIC      #340,26(R3)
112 0372 000507      BR       LOCOUT                  ; NO, GO TO LOCATION PROCESSOR
113
114 ;
115 ;
116 0374 032763 NEXT:  BIT      #40,26(R3)          ; IS SAME LOCATION, STOPPED
117 0402 001056      BNE      AMP3A                  ; YES, GO TO FLAG PROCESSOR
118 0404 032763      BIT      #100,26(R3)          ; IS DELIVERY STOP FLAG SET
119 0412 001024      BNE      AMP2A                  ; YES, GO TO FLAG PROCESSOR
120 0414 004567      JSR      R5,DURATC
121 0420 026727      CMP      DELTIM,#6
122 0426 100412      BMI      AMP1A
123 0430 016767      MOV      DELTIM,NDS1+4          ; STORE STOP TIME START
124 0436 111367      MOV      (R3),NDS1+2          ; STORE VEHICLE ID
125 0442 004567      JSR      R5,DTASTR            ; RECORD DATA
126 0446 000105 NDS1: .WORD    105,0,0
127 0454 042763 AMP1A: BIC      #1000,2(R3)
128 0462 000453      BR       LOCOUT                  ; GO TO LOCATION PROCESSING
129
130 ;
131 ;
132 0464 042763 AMP2A: BIC      #100,26(R3)          ; CLEAR DELIVERY STOP FLAG
133 0472 042763      BIC      #1000,2(R3)          ; CLEAR STOPPED VEHICLE FLAG
134 0500 004567      JSR      R5,DURATC            ; GO COMPUTE DURATION
135 0504 016767      MOV      DELTIM,D+4          ; STORE DURATION
136 0512 016764      MOV      DELTIM,152(R4)        ; SAVE DURATION
137 0520 111367      MOV      (R3),D+2          ; STORE VEHICLE ID
138 0524 004567      JSR      R5,DTASTR            ; COMMAND REC. HIST. STORE
139 0530 000101 D:    .WORD    101,0,0            ; CMD #5
140 0536 000425 LOC1: BR       LOCOUT                  ; GO TO LOCATION PROCESSING
141
142 ;
143 ;
144 0540 042763 AMP3A: BIC      #40,26(R3)          ; CLEAR SAME LOCATION, STOPPED FLAG
145 0546 042763      BIC      #1000,2(R3)          ; CLEAR STOPPED VEHICLE FLAG
146 0554 004567      JSR      R5,DURATC            ; COMPUTE DURATION
147 0560 016767      MOV      DELTIM,DSL+4          ; STORE DURATION
148 0566 016764      MOV      DELTIM,152(R4)        ; SAVE DURATION
149 0574 111367      MOV      (R3),DSL+2          ; STORE VEHICLE ID
150 0600 004567      JSR      R5,DTASTR            ; COMMAND REC. HIST. STORE
151 0604 001503 DSL:   .WORD    1503,0,0            ; #6
152 0612 000545 LOCOUT: BR      LOCPRC              ; GO TO NORMAL LOCATION PROCESSING
153
154 ;
155 ;
156 ;
157 ;
158 ;
159 ;

```

NO LOCATION CHANGE DETECTED, SET STOPPED VEHICLE FLAG, INITIALIZE
BUFFERS IF NOT INITIALIZED AND TEST FOR VEHICLE AT SAME LOCATION
REGISTER ASSIGNMENT UPON ENTRY
R0 = ADDRESS OF LUTBUF
R2 = ADDRESS OF POINT
R4 = ADDRESS OF VREF DATA


```
160 ;
161 0614 005067 AMPSTP: CLR LOCMP5
162 0620 012702 MOV #POINT,R2
163 0624 016703 MOV PNTR1,R3 ; GET VSTAT ADDRESS
164 0630 032763 BIT #1000,2(R3) ; IS STOPPED VEHICLE FLAG SET
165 0636 001406 BEQ STP1 ; NO, INITIALIZE TIME OF STOP, ETC.
166 0640 004567 AMPST1: JSR R5,SAMLOC ; GO TO SAME LOCATION TEST ROUTINE
167 0644 005767 TST YES ; ARE ANY VEHICLES AT SAME LOCATION
168 0650 001450 BEQ STP2 ; YES, INITIALIZE DATA
169 0652 000757 AMPST2: BR LOCOUT ; GO TO NORMAL LOCATION OUTPUT
170 ;
171 ; INITIALIZE BUFFERS AND SET FLAGS
172 ;
173 0654 116264 STP1: MOVB 22(R2),41(R4) ; STORE TIME OF STOP, HOURS
174 0662 116264 MOVB 24(R2),40(R4) ; STORE TIME OF STOP, MINUTES
175 0670 010346 MOV R3,-(SP)
176 0672 010403 MOV R4,R3
177 0674 010446 MOV R4,-(SP)
178 0676 016704 MOV HOURS,R4
179 0702 004567 JSR R5,BNDEC
180 0706 010463 MOV R4,136(R3)
181 0712 016704 MOV MINS,R4
182 0716 004567 JSR R5,BNDEC
183 0722 010463 MOV R4,140(R3)
184 0726 012604 MOV (SP)+,R4
185 0730 012603 MOV (SP)+,R3
186 0732 005064 CLR 150(R4) ; CLEAR DELTA TIME BUFFER
187 0736 005064 CLR 152(R4)
188 0742 116264 MOVB 22(R2),147(R4) ; STORE SAME LOCATION, TOS-HOURS
189 0750 116264 MOVB 24(R2),146(R4) ; STORE SAME LOCATION, TOS-MINUTES
190 0756 005267 INC LOCMP5 ; SET LOCATION COMPUTE FLAG
191 0762 052763 BIS #1000,2(R3)
192 0770 000456 BR LOCPRC ; RETURN
193 ;
194 ; TWO VEHICLES FROM SAME TRUCKING COMPANY AT SAME LOCATION DETECTED
195 ;
196 0772 032763 STP2: BIT #40,26(R3)
197 1000 001324 BNE AMPST2
198 1002 116764 MOVB HOURS,151(R4) ; STORE STOP TIME, HOURS
199 1010 116764 MOVB MINS,150(R4) ; STORE STOP TIME, MINUTES
200 1016 005064 CLR 152(R4) ; CLEAR DELTA TIME BUFR
201 1022 052763 BIS #40,26(R3) ; SET TWO VEHICLES AT SAME LOC FLAG
202 1030 111367 MOVB (R3),STP2B
203 1034 111067 MOVB (R0),STP2B+1
204 1040 111367 MOVB (R3),STP2C+2
205 1044 111067 MOVB (R0),STP2C+3
206 1050 111367 MOVB (R3),STP2A
207 1054 111067 MOVB (R0),STP2A+1
208 1060 052760 BIS #40,26(R0)
209 1066 004567 JSR R5,BASECD
210 1072 000 STP2A: .BYTE 0,0,10,,7
211 1076 004567 JSR R5,DSPCMD
212 1102 000 STP2B: .BYTE 0,0,10,,7
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213 1106 004567 JSR R5,DTASTR
214 1112 001702 STP2C: .WORD 1702.0.0
215 1120 005267 INC LOCMP5
216 1124 000652 BR AMPST2 ; RETURN
217 ;
218 ; NORMAL LOCATION PROCESSING RETURN
219 ;
220 1126 000205 LOCPRC: RTS R5
221 ;
222 ; INTERNAL SUBROUTINE TO COMPUTE DURATION
223 ; ASSUMES POINT(ADDRESS IN R2) CONTAINS CURRENT TIME DATA
224 ; ASSUMES VRBUF(ADDRESS IN R4) CONTAINS TIME OF STOP DATA
225 ;
226 1130 004567 DURATC: JSR R5,SAVREG ; SAVE REGISTERS
227 1134 005001 CLR R1
228 1136 116201 MOV8 22(R2),R1 ; STORE CURRENT TIME
229 1142 012700 MOV #1,R0 ; INITIALIZE INDEX
230 1146 006301 D1: ASL R1 ; MULTIPLY
231 1150 006301 ASL R1 ; TIME
232 1152 010103 MOV R1,R3 ; INPUT
233 1154 006301 ASL R1 ; BY
234 1156 060103 ADD R1,R3 ; SIXTY
235 1160 006301 ASL R1 ; AND
236 1162 060103 ADD R1,R3 ; ADD
237 1164 006301 ASL R1 ; OFFSET
238 1166 060103 ADD R1,R3 ; VALUE
239 1170 005767 TST HALF ; TEST FOR AM OR PM
240 1174 001002 BNE D2 ; NOT PM, GO AROUND
241 1176 062703 ADD #720.,R3 ; ADD ON 12 HOURS
242 1202 005300 D2: DEC R0 ; DECREMENT POINTER
243 1204 100406 BMI D3 ; FINISHED? GO TO COMPLETE
244 1206 010367 MOV R3,SAVE ; IF NOT, SAVE CURRENT TIME
245 1212 005001 CLR R1
246 1214 116401 MOV8 41(R4),R1 ; LOAD TIME OF STOP
247 1220 000752 BR D1 ; GO AND COMPUTE NO. OF MIN.
248 1222 066267 D3: ADD 24(R2),SAVE ; ADD MINUTES
249 1230 005001 CLR R1
250 1232 116401 MOV8 40(R4),R1 ; GET MINUTES
251 1236 060103 ADD R1,R3 ; ADD MINUTES AGAIN
252 1240 160367 SUB R3,SAVE ; WHAT IS DURATION?
253 1244 100003 BPL D4 ; POSITIVE, GO AROUND
254 1246 062767 ADD #720.,SAVE ; NEGATIVE, ADD OFFSET
255 1254 016767 D4: MOV SAVE,DELTIM ; STORE DELTA TIME
256 1262 004567 D5: JSR R5,RSTREG ; RESTORE REGISTERS
257 1266 000205 RTS R5 ; RETURN
258 ;
259 ; INTERNAL SUBROUTINE TO DETERMINE IF VEHICLES ARE AT SAME LOCATION
260 ; ASSUMES R2 = ADDRESS OF POINT
261 ; R3 = ADDRESS OF VSTAT
262 ; R4 = ADDRESS OF VREF
263 ;
264 1270 010546 SAMLOC: MOV R5,-(SP) ; SAVE R5
265 1272 004567 JSR R5,SAVREG ; SAVE REGISTERS

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266 1276 005005 CLR R5 ; SET ADDRESS REGISTER
267 1300 005000 CLR R0 ; CLEAR COUNTER
268 1302 032763 BIT #40,2(R3) ; IS GI TRUCKING CO.
269 1310 001413 BEQ S2 ; NO, GO AROUND
270 1312 022763 CMP #3182.,32(R3)
271 1320 001454 BEQ NOMTCH
272 1322 022762 CMP #3182.,10(R2)
273 1330 001450 BEQ NOMTCH
274 1332 052702 BIS #40,R2
275 1336 000411 BR S2A
276 1340 022763 S2: CMP #3181.,32(R3)
277 1346 001441 BEQ NOMTCH
278 1350 022762 CMP #3181.,10(R2)
279 1356 001435 BEQ NOMTCH
280 1360 005002 CLR R2
281 1362 012700 S2A: MOV #VSTAT,R0
282 1366 016001 S3: MOV 2(R0),R1
283 1372 042701 BIC #177737,R1
284 1376 020102 CMP R1,R2
285 1400 001017 BNE S6
286 1402 026360 CMP 30(R3),30(R0) ; TEST
287 1410 001013 BNE S6 ; FOR
288 1412 026360 CMP 32(R3),32(R0) ; STREET
289 1420 001007 BNE S6
290 1422 121013 CMPB (R0),(R3)
291 1424 001405 BEQ S6
292 1426 032760 BIT #1000,2(R0)
293 1434 001401 BEQ S6
294 1436 000410 BR MATCH
295 1440 066700 S6: ADD LNGVST,R0 ; ADD VSTAT INCREMENT
296 1444 022700 CMP #VSTEND,R0
297 1450 100346 BPL S3
298 1452 005267 NOMTCH: INC YES ; SET FOUND FLAG
299 1458 000402 BR OUTA ; GETOUT
300 1460 005067 MATCH: CLR YES ; CLEAR FOUND FLAG
301 1464 004567 OUTA: JSR R5,RSTREG ; RESTORE REGISTERS
302 1470 012605 MOV (SP)+,R5 ; RESTORE R5
303 1472 000205 RTS R5 ; RETURN
304 ;
305 ; INTERNAL SUBROUTINE FOR COMPUTING THE ABSOLUTE PHASE USING FLAGS
306 ;
307 1474 062700 ABSPH1: ADD #2,R0 ; ADD OFFSET FOR OUTPUT
308 1500 052704 ABSPH: BIS #2,R4 ; SET CURRENT STATE =N6
309 1504 022701 CMP #201,R1 ; IS INPUT BEYOND MIDPOINT
310 1510 100402 BMI AB01 ; YES, GO AROUND
311 1512 042704 BIC #2,R4 ; SET CURRENT STATE = LOW
312 1516 042704 AB01: BIS #14,R4 ; CLEAR CURRENT INPUT BITS, STATE = 0
313 1522 020127 CMP R1,#120 ; IS INPUT LT 2 MIDPOINT
314 1526 100416 BMI AB02 ; YES, GO AROUND
315 1530 052704 BIS #4,R4 ; SET INPUT STATE = 1
316 1534 020127 CMP R1,#201 ; IS INPUT LT MIDPOINT
317 1540 100411 BMI AB02 ; YES GO AROUND
318 1542 042704 BIC #4,R4 ; CLEAR INPUT
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319 1546 052704      BIS      #10,R4      ; SET INPUT = 2
320 1552 020127      CMP      R1,#320     ; IS INPUT LT 6 MIDPOINT
321 1556 100402      BMI      AB02        ; YES GO AROUND
322 1560 052704      BIS      #14,R4      ; SET INPUT = 3
323 1564 005003 AB02:  CLR      R3
324 1566 050403      BIS      R4,R3       ; GET DATA
325 1570 042703      BIC      #177774,R3  ; CLEAR ALL BUT STATE DATA
326 1574 022703      CMP      #3,R3       ; ARE BOTH THE SAME
327 1600 001422      BEQ      AB04        ; YES GO ADD
328 1602 005703      TST      R3          ; ARE BOTH THE SAME LOW
329 1604 001420      BEQ      AB04        ; YES GO ADD
330 1606 032704      BIT      #1,R4       ; IS PREVIOUS STATE HIGH?
331 1612 001007      BNE      AB03        ; YES GO TEST
332 1614 020127      CMP      R1,#320     ; IS INPUT BEYOND MIDPOINT
333 1620 100412      BMI      AB04        ; YES GO ADD
334 1622 000302      SWAB     R2
335 1624 105302      DECB     R2
336 1626 000302      SWAB     R2
337 1630 000406      BR       AB04
338 1632 020127 AB03:  CMP      R1,#121    ; IS INPUT BEYOND MIDPOINT
339 1636 100003      BPL      AB04        ; YES, GO ADD
340 1640 000302      SWAB     R2
341 1642 105202      INCB     R2
342 1644 000302      SWAB     R2
343 1646 060201 AB04:  ADD      R2,R1      ; ADD ROLLOVER
344 1650 042704      BIC      #1,R4       ; CLEAR PREVIOUS STATE
345 1654 032704      BIT      #2,R4       ; IS CURRENT STATE LOW
346 1660 001402      BEQ      AB05
347 1662 052704      BIS      #1,R4
348 1666 066001 AB05:  ADD      12(R0),R1
349 1672 000205      RTS      R5
350      ;
351      ;      GLOBAL VARIABLES DEFINED
352      ;
353      ;
354      ;      INTERNAL VARIABLES DEFINED
355      ;
356 1674 000000 SAVE:  .WORD     0          ; CURRENT TIME BUFFER
357 1676 000000 DELTIM: .WORD     0          ; DELTA TIME BUFFER
358 1700 000000 YES:   .WORD     0          ; FLAG FOR SAME LOCATION ROUTINE
359      ;
360      .SBTTL  NTEXTI
361      ;
362      ;      NTEXTI = YARD ENTRY/YARD EXIT PROCESSOR -- CARGO SECURITY
363      ;      OBJECT: TO DETERMINE IF YARD ENTRY OR EXIT CONDITION EXISTS AND
364      ;      PROCESS DATA TO PROVIDE PRINTOUT, DISPLAY, RECORDED DATA
365      ;      AND UPDATE STATUS FLAGS IN RESIDENT AND NON-RESIDENT DATA
366      ;      BASE AREAS.
367      ;
368      .MCALL   ..V2....REGDEF
369 1702      ..V2..
370 1702      .REGDEF
371      .NLIST  BEX

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372 ;
373 .GLOBL NTEXT, BASECD, DTASTR, DSPCMD
374 .GLOBL PNTR1, VRBUF, RSWD1, CMD0, CMDBUF
375 .GLOBL SSPBUF, SSPEND, LOCBUF, LOCEND, POLBUF, SPVEHE, EXIT, LUTBUF
376 ;
377 ; TEST FOR YARD ENTRY OR YARD EXIT CONDITION
378 ;
379 1702 016704 NTEXT: MOV PNTR1, R4 ; GET VSTAT ADDRESS
380 1706 022760 CMP #-1, 10(R0) ; TEST FOR ALL ONES IN LUTBUF
381 1714 001426 BEQ EN2 ; GO TO ENTRY/EXIT TEST
382 1716 005760 TST 10(R0) ; TEST FOR ALL ZEROES IN LUTBUF
383 1722 001423 BEQ EN2 ; GO TO ENTRY/EXIT TEST
384 1724 042764 BIC #37, 26(R4)
385 1732 016760 EN1: MOV RSWD1, 10(R0)
386 1740 016760 MOV RSWD1+4, 12(R0) ; STORE SIGNPOST PHIA
387 1746 016760 MOV RSWD1+6, 14(R0) ; STORE SIGNPOST PHIB
388 1754 005060 EN1R: CLR 16(R0) ; CLEAR PHIA AND PHIB INPUT
389 1760 005060 CLR 20(R0) ; CLEAR ROLL-OVER BITS
390 1764 005067 CLR EXIT ; CLEAR ERROR FLAG
391 1770 000205 RTS R5 ; RETURN
392 ;
393 1772 016703 EN2: MOV VRBUF, R3 ; GET VREF BUFFER
394 1776 042764 BIC #17, 26(R4)
395 2004 032764 BIT #1, 12(R4) ; IS YARD EXIT PENDING FLAG SET?
396 2012 001402 BEQ EN2A ; GO PROCESS
397 2014 000167 JMP ENTR2A
398 2020 032764 EN2A: BIT #40000, 4(R4)
399 2026 001006 BNE ENTR1
400 2030 032764 BIT #2, 12(R4) ; IS YARD ENTRY PENDING FLAG SET
401 2036 001002 BNE ENTR1 ; YES, GO PROCESS YARD ENTRY
402 2040 000167 JMP ERR2
403 ;
404 ; YARD ENTRY PROCESSING
405 ;
406 2044 004567 ENTR1: JSR R5, SUBS2
407 2050 005760 TST 10(R0) ; IS CURRENT ENTRY ALL ONES
408 2054 001014 BNE ENTR3A ; NO, ERROR RETURN
409 2056 042764 BIC #10020, 26(R4)
410 2064 032764 BIT #1, 26(R4) ; IS TRANSCON AT GI PENDING?
411 2072 001130 BNE ENTRY7 ; GO TO MODE CHG OUTPUT
412 2074 032764 BIT #2, 26(R4) ; IS GI AT TC PENDING?
413 2102 001124 BNE ENTRY7
414 2104 000415 BR ENTR3S ; NO, GO TO MSG OUTPUT
415 2106 052767 ENTR3A: BIS #40000, LUTBUF
416 2114 042764 BIC #3, 12(R4)
417 2122 052764 BIS #2, 12(R4)
418 2130 052764 BIS #20, 26(R4)
419 2136 000706 BR EN1A
420 2140 010246 ENTR3S: MOV R2, -(SP)
421 2142 010346 MOV R3, -(SP)
422 2144 111403 MOVB (R4), R3
423 2146 006303 ASL R3
424 2150 006303 ASL R3

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425 2152 006303 ASL R3
426 2154 006303 ASL R3
427 2156 052703 BIS #4,R3
428 2162 012702 MOV #LOCBUF,R2
429 2166 022203 ENTR3X: CMP (R2)+,R3
430 2170 001404 BEQ ENTR3Y
431 2172 022702 CMP #LOCEND,R2
432 2176 100373 BPL ENTR3X
433 2200 000402 BR ENTR3Z
434 2202 005062 ENTR3Y: CLR -2(R2)
435 2206 012702 ENTR3Z: MOV #SSPBUF,R2
436 2212 042703 BIC #4,R3
437 2216 052703 BIS #3,R3
438 2222 022203 ENTR3W: CMP (R2)+,R3
439 2224 001404 BEQ ENTR3U
440 2226 022702 CMP #SSPEND,R2
441 2232 100373 BPL ENTR3W
442 2234 000402 BR ENTR3V
443 2236 005062 ENTR3U: CLR -2(R2)
444 2242 012603 ENTR3V: MOV (SP)+,R3
445 2244 012602 MOV (SP)+,R2
446
447 ; OUTPUT MESSAGES TO DISPATCH BASE, AND VEH. RCNT HIST.
448 ;
449 2246 052764 ENTR4: BIS #10020,26(R4)
450 2254 111467 MOVB (R4),ENTRY1 ; STORE VEHICLE ID IN BUFFERS
451 2260 111467 MOVB (R4),ENTRY2+2
452 2264 111467 MOVB (R4),ENTRY3+2
453 2270 111467 MOVB (R4),ENTRY4
454 2274 004567 JSR R5,BASECD ; OUTPUT BASE STATION CMD, YD NTRY
455 2300 000 ENTRY1: .BYTE 0,0,18,,3.
456 2304 004567 JSR R5,DSPCMD ; COMMAND DISPATCH STATION FOR NTRY
457 2310 000 ENTRY4: .BYTE 0,0,10,,3
458 2314 111467 MOVB (R4),ENTRXX
459 2320 004567 JSR R5,DSPCMD
460 2324 000000 ENTRXX: .WORD 0,13.
461 2330 004567 JSR R5,DTASTR ; STORE ENTRY PRINTOUT IN REC HIST
462 2334 102 ENTRY2: .BYTE 102,3,0,0,0,0
463 2342 004567 JSR R5,DTASTR
464 2346 106 ENTRY3: .BYTE 106,0,0,0,0,0
465 2354 042764 ENTRY7: BIC #36523,2(R4)
466 2362 052764 BIS #21,2(R4)
467 2370 042767 BIC #50140,LUTBUF
468 2376 042764 BIC #74003,12(R4)
469 2404 052764 BIS #1,12(R4)
470 2412 042764 BIC #120000,24(R4)
471 2420 042764 BIC #104000,26(R4)
472 2426 000167 ENTRX: JMP EN1A ; GO TO NORMAL OUTPUT
473 ;
474 ; YARD EXIT PROCESSING
475 ;
476 2432 004567 ENTR2A: JSR R5,SUBS2
477 2436 005760 TST 10(R0) ; IS CURRENT ENTRY ALL ONES
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```
478 2442 001771      BEQ      ENTRX      ; YES.. ERROR PROCESSING
479 2444 032764      BIT      #1,26(R4)   ; IS TRANSCON AT GI PENDING FLAG UP
480 2452 001044      BNE      ENTR9A      ; GO TO NORMAL PROCESSING
481 2454 032764 ENTR2C: BIT      #2,26(R4)   ; IS GI AT TRANSCON PENDING FLAG UP
482 2462 001040      BNE      ENTR9A      ; YES.. GO RESET FLAGS
483 2464 052764 ENTR2D: BIS      #4020,26(R4)
484 2472 111467      MOV8     (R4),ENTR7    ; STORE
485 2476 111467      MOV8     (R4),ENTRY8+2 ; VEHICLE
486 2502 111467      MOV8     (R4),ENTRY9   ; ID
487 2506 004567      JSR      R5,BASECD    ; COMMAND BASE FOR YARD EXIT
488 2512 000      ENTR7: .BYTE    0,0,18,,2
489 2516 004567      JSR      R5,DTASTR    ; STORE EXIT IN RECENT HISTORY
490 2522 102 ENTRY8: .BYTE    102,4,0,0,0,0
491 2530 004567      JSR      R5,DSPCMD    ; COMMAND DISPATCH FOR EXIT
492 2534 000 ENTRY9: .BYTE    0,0,10,,2
493 2540 111467      MOV8     (R4),ENTRXY
494 2544 004567      JSR      R5,DSPCMD
495 2550 000000 ENTRXY: .WORD    0,13,
496 2554 005064      CLR      10(R4)
497 2560 105064      CLRB     24(R4)
498 2564 042764 ENTR9A: BIC      #1022,2(R4) ; CLEAR IN YARD DATA
499 2572 052764      BIS      #501,2(R4)
500 2600 052767      BIS      #50100,LUTBUF
501 2606 042764      BIC      #110000,26(R4) ; CLEAR ENT/EXT PROC. FLAGS
502 2614 042764      BIC      #120000,24(R4)
503 2622 042764      BIC      #74003,12(R4)
504 2630 052764      BIS      #10002,12(R4)
505 2636 005003      CLR      R3
506 2640 111403      MOV8     (R4),R3
507 2642 006303      ASL      R3
508 2644 006303      ASL      R3
509 2646 006303      ASL      R3
510 2650 006303      ASL      R3
511 2652 010246      MOV      R2,-(SP)
512 2654 012702      MOV      #POLBUF,R2
513 2660 052703      BIS      #3,R3
514 2664 022203 ENTR2X: CMP      (R2)+,R3
515 2666 001404      BEQ      ENTR2Y
516 2670 022702      CMP      #SPVEHE,R2
517 2674 100773      BMI      ENTR2X
518 2676 000410      BR       ENTR2W
519 2700 005062 ENTR2Y: CLR      -2(R2)
520 2704 011262 ENTR2Z: MOV      (R2),-2(R2)
521 2710 005722      TST      (R2)+
522 2712 001374      BNE      ENTR2Z
523 2714 005062      CLR      -4(R2)
524 2720 042703 ENTR2W: BIC      #3,R3
525 2724 012602      MOV      (SP)+,R2
526 2726 052703      BIS      #6,R3
527 2732 010367      MOV      R3,CMDBUF
528 2736 004567      JSR      R5,CMD0
529 2742 000167      JMP      EN1A
530      ;
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; GO TO NORMAL PROCESSING

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531      ;      ERROR MESSAGE PROCESSING
532      ;
533 2746 111467 ERR2:  MOV8    (R4),ER2      ; STORE VEHICLE ID
534 2752 004567      JSR     R5,BASEC      ; OUTPUT ERROR MSG 46
535 2756      000 ER2:  .BYTE    0,0,24,,69.
536 2762 042764      BIC     #400,2(R4)
537 2770 042764      BIC     #50000,4(R4)
538 2776 042764      BIC     #74000,12(R4)
539 3004 042764      BIC     #100000,24(R4)
540 3012 042764      BIC     #110000,26(R4)
541 3020 000167      JMP     EN1A          ; GETOUT
542      ;
543      ;
544 3024 026327 SUBS2:  CMP     34(R3),#8000.  ; IS LAST LOCATION SOUTH OF IMP HWY
545 3032 100410      BMI     ENSA          ; YES, ENTRY OR EXIT FROM GI
546 3034 032764      BIT     #40,2(R4)      ; IS TRUCK FROM GI
547 3042 001413      BEQ     EN6A          ; YES, GO AROUND
548 3044 052764      BIS     #12,26(R4)     ; NO, SET ALL FLAGS
549 3052 000407      BR      EN6A          ; GO AROUND
550 3054 032764 EN5A:  BIT     #40,2(R4)     ; IS TRUCK FROM TRANSCON
551 3062 001003      BNE     EN6A          ; NO, GO AROUND
552 3064 052764      BIS     #5,26(R4)      ; SET TRANSCON AT GSI FLAG
553 3072 000205 EN6A:  RTS      R5
554      ;
555      .SBTTL  SPTEST
556      ;
557      ;      SPTEST = SIGNPOST VALID TEST -- CARGO SECURITY
558      ;
559      ;      OBJECT: TO DETERMINE IF THE INPUT SIGNPOST NUMBER IS VALID AND
560      ;      RETURN THE PROPER AM PHASE DATA IF IT IS VALID
561      ;
562      ;      JSR     R5,SPTEST
563      ;      .WORD   INPUT SIGNPOST DATA
564      ;      .WORD   VALID DATA WORD 0 =VALID,1=NO BUFFER,2=NOTVALID,3=NO FILE
565      ;      4 = TRANSCON, 5 = GI TRUCKING
566      ;      .WORD   AMPHASE PHIA(ABSOLUTE)
567      ;      .WORD   AMPHASE PHIB(ABSOLUTE)
568      ;
569      .MCALL    ..V2....REGDEF,..LOOKUP,..READW,..CLOSE,..SRESET
570 3074      ..V2..
571 3074      .REGDEF
572      .NLIST  BEX
573      ;
574      .GLOBL  SPTEST,FNDBUF,RLSBUF,SAVREG,RSTREG
575      .GLOBL  SPSTFL,PNTR1
576      ;
577      ;      SAVE REGISTERS AND TRY TO FIND AVAILABLE BUFFER
578      ;
579 3074 012567 SPTEST:  MOV     (R5)+,SINPST  ; GET SIGNPOST NO..
580 3100 010567      MOV     R5,RTN          ; SAVE R5
581 3104 004567      JSR     R5,SAVREG      ; SAVE REGISTERS
582 3110 005067      CLR     ERROR          ; CLEAR ERROR COUNTER
583 3114 016702      MOV     PNTR1,R2      ; GET VSTAT ADDRESS

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584 3120 032762      BIT      #40,2(R2)      ; IS THIS A GI TRUCK?
585 3126 001014      BNE      A1              ; YES, GO AROUND
586                  ;
587                  ;      TRANSCON TRUCK
588                  ;
589 3130 032762      BIT      #4,26(R2)        ; IS TRANSCON AT GI?
590 3136 001062      BNE      TST4            ; YES, GETOUT
591 3140 022767 A11:  CMP      #-1,SINPST      ; IS IT ALL ONES?
592 3146 001413      BEQ      AB1             ; YES, GO AROUND
593 3150 005767      TST      SINPST          ; IS IT ALL ZEROES?
594 3154 001032      BNE      SPX            ; NO, GO TO TEST BUFFER
595 3156 000424      BR       AB4            ; GETOUT
596                  ;
597                  ;      GI TRUCK
598                  ;
599 3160 032762 A1:   BIT      #10,26(R2)      ; IS GI AT TRANSCON
600 3166 001046      BNE      TST4            ; YES, GETOUT
601 3170 005267      INC      ERROR
602 3174 000761      BR       A11
603 3176 032762 AB1: BIT      #40,2(R2)
604 3204 001005      BNE      AB3
605 3206 022761      CMP      #0000..34(R1)
606 3214 100027      BPL      TST5
607 3216 000404      BR       AB4
608 3220 022761 AB3:  CMP      #0000..34(R1)
609 3226 100422      BMI      TST5
610 3230 062767 AB4:  ADD      #4,ERROR        ; ADD OFFSET TO ERROR FLAG
611 3236 000167      JMP      SP3A          ; GETOUT
612 3242 006067 SPX:  ROR      SINPST
613 3246 042767      BIC      #100200,SINPST
614 3254 000367      SWAB     SINPST          ; SWAP BYTES
615 3260 004567      JSR      R5,FNDBUF      ; FIND BUFFER
616 3264 000000 TST1: .WORD     0            ; ADDRESS OF BUFFER
617 3266 005767      TST      TST1          ; ARE BUFFERS FULL
618 3272 001006      BNE      SP1            ; NO, GO GET DATA
619 3274 012767 TST5: MOV      #2,ERROR      ; SET RETURN ERROR FLAG
620 3302 000564      BR       SP3A          ; GO TO CLEAN-UP
621 3304 000167 TST4: JMP      TST3
622                  ;
623                  ;      GOT FREE BUFFER, LOAD DATA FROM SPSTFL AND SET UP TEST LOOP
624                  ;
625 3310 005267 SP1:   INC      FLG
626 3314              .LOOKUP #AREA,#7..,SPSTFL ; GET FILE
627 3346 103004      BCC      GOON            ; WAS FILE FOUND? YES , GO AROUND
628 3350 012767      MOV      #3,ERROR        ; FILE NOT FOUND, SET ERROR FLAG
629 3356 000523      BR       END1            ; AND GO TO CLEAN-UP
630 3360 012767 GOON: MOV      #1,BLK         ; INITIALIZE BLOCK POINTER
631 3366              READ:  .READW #AREA1,#7,TST1,#256..BLK: READ IN FILE
632 3436 103004      BCC      GOON1           ; FILE READ IN? YES, GO AROUND
633 3440 012767      MOV      #2,ERROR        ; NOT READ IN, SET ERROR FLAG
634 3446 000467      BR       END1            ; AND GO TO CLEANUP
635 3450 016700 GOON1: MOV      TST1,R0       ; GET BUFFER ADDRESS
636 3454 012701      MOV      #85..,R1       ; INITIALIZE COUNTER

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637 3460 026720 SP2:  CMP      SINPST,(R0)+      ; TEST FOR MATCH
638 3464 001416      BEQ      SP3              ; YES, GO RECORD DATA
639 3466 062700      ADD      #4,R0            ; NO, INCREMENT POINTER
640 3472 005301      DEC      R1              ; AT END OF BUFR?
641 3474 100371      BPL      SP2              ; NO, TRY AGAIN
642 3476 005267      INC      BLK            ; GO TO NEXT BLOCK
643 3502 022767      CMP      #5.,BLK         ; ALL BLOCKS TRIED
644 3510 001326      BNE      READ            ; NO, GO READ IN NEXT BLOCK
645 3512 012767      MOV      #1,ERROR        ; SEE ERROR FLAG FOR NOT FOUND
646 3520 000442      BR       END1            ; GO TO CLEAN-UP
647      ;
648      ;      MATCH FOUND, SETUP OUTPUT DATA AND CLEAN-UP
649      ;
650 3522 005067 SP3:  CLR      ERROR            ; CLEAR ERROR FLAG
651 3526 012067      MOV      (R0)+,AMPA      ; STORE PHIA
652 3532 012067      MOV      (R0)+,AMPB      ; STORE PHIB
653 3536 032762      BIT      #1,12(R2)
654 3544 001430      BEQ      END1
655 3546 042762      BIC      #1022,2(R2)
656 3554 052762      BIS      #101,2(R2)
657 3562 052762      BIS      #40100,4(R2)
658 3570 042762      BIC      #110000,26(R2)
659 3576 042762      BIC      #20000,24(R2)
660 3604 042762      BIC      #74003,12(R2)
661 3612 052762      BIS      #2,12(R2)
662 3620 052762      BIS      #2000,26(R2)
663 3626      END1:  .CLOSE  #7              ; CLOSE CHANNEL
664 3640      .SRESET      ; RESET SYSTEM
665 3642 016702      MOV      PNTR1,R2
666 3646 042762      BIC      #20,26(R2)
667 3654 016705 SP3A: MOV      RTN,R5          ; GET R5
668 3660 016725      MOV      ERROR,(R5)+      ; STORE ERROR DATA
669 3664 016725      MOV      AMPA,(R5)+      ; RETURN PHIA
670 3670 016725      MOV      AMPB,(R5)+      ; RETURN PHIB
671 3674 005767      TST      FLG            ; WAS BUFR ASSIGNED?
672 3700 001410      BEQ      TST3            ; NO, GO AROUND
673 3702 005067      CLR      FLG            ; RESET FLAG
674 3706 016767      MOV      TST1,TST2        ; GET BUFFER ADDRESS
675 3714 004567      JSR      R5,RLSBUF        ; RELEASE BUFFER
676 3720 000000 TST2: .WORD      0
677 3722 004567 TST3: JSR      R5,RSTREG        ; RESTORE REGISTERS
678 3726 062705      ADD      #6,R5          ; ADD OFFSET
679 3732 000205      RTS      R5              ; RETURN
680      ;
681      ;      INTERNAL VARIABLES
682      ;
683 3734 000000 SINPST: .WORD      0          ; INPUT SIGNPOST
684 3736 000000 ERROR:  .WORD      0          ; ERROR FLAG WORD
685 3740 000000 AMPA:   .WORD      0          ; AMPHASE PHIA
686 3742 000000 AMPB:   .WORD      0          ; AMPHASE PHIB
687 3744      AREA:     .BLKW      5          ; RESERVED
688 3756      AREA1:    .BLKW      5          ; FOR
689      ;SPSTFL: .RAD50 /RK0SPSTFLSAV/      ; DISK

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690 3770 000000 BLK: .WORD 0 ; I/O
691 3772 000000 RTN: .WORD 0 ; RETURN ADDRESS
692 3774 000000 FLG: .WORD 0 ; BUFR FLAG
693 ;
694 .SBTTL MINFIL
695 ;
696 ; MINFIL = MINIFILE PROCESSING ROUTINE
697 ;
698 ; OBJECT: TO DETERMINE THE FILENAME OF THE MINIFILE OF THE DATA
699 ; BASE WHICH CONTAINS THE TO STREET INTERSECTION DATA.
700 ;
701 ; R1 = X INPUT DATA
702 ; R2 = Y INPUT DATA
703 ;
704 .MCALL ..V2....REGDEF
705 3776 ..V2..
706 3776 .REGDEF
707 .NLIST BEX
708 ;
709 .GLOBL MINFIL, SAVREG, RSTREG, XYFILE, BNDEC, IRAD50
710 ;
711 ; SAVE REGISTERS AND INITIALIZED DATA
712 ;
713 3776 004567 MINFIL: JSR R5, SAVREG ; SAVE REGISTERS
714 4002 005004 CLR R4 ; X INDEX = 0
715 4004 005000 CLR R0 ; INITIALIZE Y TEST AT BOTTOM OF BLK 1
716 4006 012703 MOV #16000., R3 ; INITIALIZE X TEST AT LEFT OF BLK1
717 ;
718 ; DETERMINE INDEX VALUES(R4 AND R2)
719 ;
720 4012 020301 CMP R3, R1 ; IS X INPUT LESS THAN XTEST
721 4014 100005 BPL M2 ; YES, GO AROUND
722 4016 062703 M1: ADD #1000., R3 ; INCREMENT XTEST
723 4022 005204 INC R4 ; INCREMENT X INDEX
724 4024 020301 CMP R3, R1 ; BEYOND?
725 4026 100773 BMI M1 ; NO, TRY AGAIN
726 4030 005003 M2: CLR R3 ; Y INDEX = 0
727 4032 062700 M3: ADD #1000., R0 ; INCREMENT YTEST
728 4036 005203 INC R3 ; INCREMENT Y INDEX
729 4040 020002 CMP R0, R2 ; BEYOND?
730 4042 100773 BMI M3 ; NO, TRY AGAIN
731 4044 022704 CMP #5, R4
732 4050 001010 BNE M4
733 4052 022703 CMP #13., R3
734 4056 001005 BNE M4
735 4060 022701 CMP #20500., R1
736 4064 100402 BMI M4
737 4066 062703 ADD #3, R3
738 ;
739 ; CONVERT DATA AND STORE IN XYFILE
740 ;
741 4072 067 M4: JSR R5, BNDEC ; CONVERT TO ASCII
742 4076 067 MOV R4, OUT ; STORE X

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743 4102 116767      MOV      OUT,FILNAM+7      ; OUTPUT
744 4110 116767      MOV      OUT+1,FILNAM+10    ; IN FILENAME
745 4116 010304      MOV      R3,R4              ; GET Y INDEX
746 4120 004567      JSR      R5,BNDEC           ; CONVERT TO ASCII
747 4124 010467      MOV      R4,OUT            ; STORE Y
748 4130 116767      MOV      OUT,FILNAM+5      ; OUTPUT
749 4136 116767      MOV      OUT+1,FILNAM+6    ; IN FILENAME
750 4144 012705      MOV      #OUTPUT,R5        ; GET ADDRESS OF PASSED PARAMETERS
751 4150 004767      JSR      PC,IRAD50          ; CONVERT TO RAD50:
752                  ;
753                  ; CLEAN-UP AND RETURN
754                  ;
755 4154 004567      JSR      R5,RSTREG          ; RESTORE REGISTERS
756 4160 000205      RTS      R5                ; RETURN
757                  ;
758                  ; GLOBAL VARIABLES INITIALIZED
759                  ;
760                  ; XYFILE:      .WORD  0,0,0,0
761                  ;
762                  ; INTERNAL VARIABLES
763                  ;
764 4162 000000 OUT:    .WORD  0                  ; TEMPORARY BUFFER
765 4164      122 FILNAM: .ASCII  /RK0CSXXYY001/  ; ASCII FILENAME
766 4200 000003 OUTPUT: .WORD  3                  ; PASSED PARAMETERS
767 4202 004210      .WORD  ICNT
768 4204 004164      .WORD  FILNAM
769 4206 000000G      .WORD  XYFILE
770 4210 000014 ICNT:  .WORD  12.
771                  ;
772      000001      .END

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AB05	001666R	ABSPH	001500R	ABSPHS	000000RG
ABSPH1	001474R	AB01	001516R	AB02	001564R
AB03	001632R	AB04	001646R	AB1	003176R
AB3	003220R	AB4	003230R	AMPA	003740R
AMPB	003742R	AMPSTP	000614R	AMPST1	000640R
AMPST2	000652R	AMPTAB=	***** G	AMPUPD=	***** G
AMP1	000324R	AMP1A	000454R	AMP2A	000464R
AMP3A	000540R	AREA	003744R	AREA1	003756R
A1	003160R	A11	003140R	BASECD=	***** G
BLK	003770R	BNDEC =	***** G	CMDBUF=	***** G
CMD0 =	***** G	D	000530R	DELTIM	001676R
DSL	000604R	DSPCMD=	***** G	DTASTR=	***** G
DURATC	001130R	D1	001146R	D2	001202R
D3	001222R	D4	001254R	D5	001262R
END1	003626R	ENTRX	002426R	ENTRXX	002324R
ENTRXY	002550R	ENTRY1	002300R	ENTRY2	002334R
ENTRY3	002346R	ENTRY4	002310R	ENTRY7	002354R
ENTRY8	002522R	ENTRY9	002534R	ENTR1	002044R
ENTR2A	002432R	ENTR2C	002454R	ENTR2D	002464R
ENTR2W	002720R	ENTR2X	002664R	ENTR2Y	002700R
ENTR2Z	002704R	ENTR3A	002106R	ENTR3S	002140R
ENTR3U	002236R	ENTR3V	002242R	ENTR3W	002222R
ENTR3X	002166R	ENTR3Y	002202R	ENTR3Z	002206R
ENTR4	002246R	ENTR7	002512R	ENTR9A	002564R
EN1	001732R	EN1A	001754R	EN2	001772R
EN2A	002020R	EN5A	003054R	EN6A	003072R
ERROR	003736R	ERR2	002746R	ER2	002756R
EXIT =	***** G	FILNAM	004164R	FLG	003774R
FNDBUF=	***** G	GOON	003360R	GOON1	003450R
HALF =	***** G	HOURS =	***** G	ICNT	004210R
IRAD50=	***** G	LNGVST=	***** G	LOCBUF=	***** G
LOCEND=	***** G	LOCMP5=	***** G	LOCMP7=	***** G
LOCOUT	000612R	LOCPRC	001126R	LOC1	000536R
LUTBUF=	***** G	MATCH	001460R	MAXTRK=	***** G
MINFIL	003776R	MINS =	***** G	M1	004016R
M2	004030R	M3	004032R	M4	004072R
ND51	000446R	NEXT	000374R	NOMTCH	001452R
NTEXT1	001702RG	OUT	004162R	OUTA	001464R
OUTPUT	004200R	PC =	%000007	PNTR1 =	***** G
POINT =	***** G	POLBUF=	***** G	READ	003366R
RLSBUF=	***** G	RSTREG=	***** G	RSWD1 =	***** G
RTN	003772R	R0	%000000	R1	%000001
R2	%000002	R3	%000003	R4	%000004
R5	%000005	SAMLOC	001270R	SAVE	001674R
SAVREG=	***** G	SINPST	003734R	SP	%000006
SPSTFL=	***** G	SPTEST	003074RG	SPVEHE=	***** G
SPX	003242R	SP1	003310R	SP2	003460R
SP3	003522R	SP3A	003654R	SSPBUF=	***** G
SSPEND=	***** G	STP1	000654R	STP2	000772R
STP2A	001072R	STP2B	001102R	STP2C	001112R
SUBS2	003024R	S2	001340R	S2A	001362R
S3	001366R	S6	001440R	TRKTRN=	***** G
TST1	003264R	TST2	003720R	TST3	003722R

VOLAY1 RT-11 CRO VM02-10 00:35:33 PAGE 1+
SYMBOL TABLE

TST4 003304R
VSTAT = ***** G
XYFILE= ***** G

TST5 003274R
VSTEND= ***** G
YES 001700R

VRBUF = ***** G
WORD1 = ***** G
...V2 = 000001

. ADS. 000000 000
004212 001

ERRORS DETECTED: 0
FREE CORE: 16907. WORDS

.LP:/C:=VOLAY1.MAC

...V1	1-626	1-631	1-663				
...V2	1-12#	1-369#	1-570#	1-705#			
A1	1-585	1-599#					
A11	1-591#	1-602					
AB01	1-310	1-312#					
AB02	1-314	1-317	1-321	1-323#			
AB03	1-331	1-338#					
AB04	1-327	1-329	1-333	1-337	1-339	1-343#	
AB1	1-592	1-603#					
AB3	1-604	1-608#					
AB4	1-595	1-607	1-610#				
AB05	1-346	1-348#					
ABSPH	1-32	1-308#					
ABSPH1	1-45	1-307#					
ABSPHS	1-16#	1-23#					
AMP1	1-78	1-81	1-86	1-89	1-103#		
AMP1A	1-122	1-127#					
AMP2A	1-119	1-132#					
AMP3A	1-117	1-144#					
AMPA	1-651*	1-669	1-685#				
AMPB	1-652*	1-670	1-686#				
AMPST1	1-166#						
AMPST2	1-169#	1-197	1-216				
AMPSTP	1-90	1-161#					
AMPTAB	1-19#						
AMPUPD	1-19#	1-24*	1-110*				
AREA	1-626	1-687#					
AREA1	1-631	1-688#					
BASECD	1-17#	1-209	1-373#	1-454	1-487	1-534	
BLK	1-630*	1-631	1-642*	1-643	1-690#		
BNDEC	1-19#	1-179	1-182	1-709#	1-741	1-746	
CMDBUF	1-374#	1-527*					
CMDO	1-374#	1-528					
D	1-135*	1-137*	1-139#				
D1	1-230#	1-247					
D2	1-240	1-242#					
D3	1-243	1-248#					
D4	1-253	1-255#					
D5	1-256#						
DELTIM	1-121	1-123	1-135	1-136	1-147	1-148	1-255*
	1-357#						
DSL	1-147*	1-149*	1-151#				
DSPCMD	1-17#	1-211	1-373#	1-456	1-459	1-491	1-494
DTASTR	1-17#	1-125	1-138	1-150	1-213	1-373#	1-461
	1-463	1-489					
DURATC	1-120	1-134	1-146	1-226#			
EN1	1-385#						
EN1A	1-388#	1-419	1-472	1-529	1-541		
EN2	1-381	1-383	1-393#				
EN2A	1-396	1-398#					
EN5A	1-545	1-550#					
EN6A	1-547	1-549	1-551	1-553#			
END1	1-629	1-634	1-646	1-654	1-663#		
ENTR1	1-399	1-401	1-406#				
ENTR2A	1-397	1-476#					
ENTR2C	1-481#						

ENTR2D	1-483#					
ENTR2W	1-518	1-524#				
ENTR2X	1-514#	1-517				
ENTR2Y	1-515	1-519#				
ENTR2Z	1-520#	1-522				
ENTR3A	1-408	1-415#				
ENTR3S	1-414	1-420#				
ENTR3U	1-439	1-443#				
ENTR3V	1-442	1-444#				
ENTR3W	1-438#	1-441				
ENTR3X	1-429#	1-432				
ENTR3Y	1-430	1-434#				
ENTR3Z	1-433	1-435#				
ENTR4	1-449#					
ENTR7	1-484#	1-488#				
ENTR9A	1-480	1-482	1-498#			
ENTRX	1-472#	1-478				
ENTRXX	1-458*	1-460#				
ENTRXY	1-493*	1-495#				
ENTRY1	1-450*	1-455#				
ENTRY2	1-451*	1-462#				
ENTRY3	1-452*	1-464#				
ENTRY4	1-453*	1-457#				
ENTRY7	1-411	1-413	1-465#			
ENTRY8	1-485*	1-490#				
ENTRY9	1-486*	1-492#				
ER2	1-533*	1-535#				
ERR2	1-402	1-533#				
ERROR	1-582*	1-601*	1-610*	1-615*	1-628*	1-633*
	1-650*	1-668	1-684#			1-645*
EXIT	1-375#	1-390*				
FILNAM	1-743*	1-744*	1-748*	1-749*	1-765#	1-768
FLG	1-625*	1-671	1-673*	1-692#		
FNDBUF	1-574#	1-615				
GOON	1-627	1-630#				
GOON1	1-632	1-635#				
HALF	1-18#	1-239				
HOURS	1-18#	1-178	1-198			
ICNT	1-767	1-770#				
IRAD50	1-709#	1-751				
LNGVST	1-18#	1-295				
LOC1	1-140#					
LOCBUF	1-375#	1-428				
LOCEND	1-375#	1-431				
LOCMP5	1-19#	1-103*	1-161*	1-190*	1-215*	
LOCMP7	1-18#	1-105*	1-109*			
LOCOUT	1-112	1-128	1-140	1-152#	1-169	
LOCPRC	1-152	1-192	1-220#			
LUTBUF	1-16#	1-23	1-46	1-375#	1-415*	1-467*
M1	1-722#	1-725				1-500*
M2	1-721	1-726#				
M3	1-727#	1-730				
M4	1-732	1-734	1-736	1-741#		
MATCH	1-294	1-300#				
MAXTRK	1-18#					
MINFIL	1-709#	1-713#				
MINS	1-18#	1-181	1-199			

NDS1	1-123*	1-124*	1-126#				
NEXT	1-108	1-116#					
NOMTCH	1-271	1-273	1-277	1-279	1-298#		
NTEXT	1-373#	1-379#					
OUT	1-742*	1-743	1-744	1-747*	1-748	1-749	1-764#
OUTA	1-299	1-301#					
OUTPUT	1-750	1-766#					
PNTR1	1-16#	1-106	1-163	1-374#	1-379	1-575#	1-583
	1-665						
POINT	1-16#	1-37*	1-50*	1-54	1-73	1-104	1-162
POLBUF	1-375#	1-512					
READ	1-631#	1-644					
RLSBUF	1-574#	1-675					
RSTREG	1-17#	1-256	1-301	1-574#	1-677	1-709#	1-755
RSWD1	1-374#	1-385	1-386	1-387			
RTN	1-580*	1-667	1-691#				
S2	1-269	1-276#					
S2A	1-275	1-281#					
S3	1-282#	1-297					
S6	1-285	1-287	1-289	1-291	1-293	1-295#	
SAMLOC	1-166	1-264#					
SAVE	1-244*	1-248*	1-252*	1-254*	1-255	1-356#	
SAVREG	1-17#	1-226	1-265	1-574#	1-581	1-709#	1-713
SINPST	1-579*	1-591	1-593	1-612*	1-613*	1-614*	1-637
	1-683#						
SP1	1-618	1-625#					
SP2	1-637#	1-641					
SP3	1-638	1-650#					
SP3A	1-611	1-620	1-667#				
SPSTFL	1-575#	1-626					
SPTEST	1-574#	1-579#					
SPVEHE	1-375#	1-516					
SPX	1-594	1-612#					
SSPBUF	1-375#	1-435					
SSPEND	1-375#	1-440					
STP1	1-165	1-173#					
STP2	1-168	1-196#					
STP2A	1-206*	1-207*	1-210#				
STP2B	1-202*	1-203*	1-212#				
STP2C	1-204*	1-205*	1-214#				
SUBS2	1-406	1-476	1-544#				
TRKTRN	1-18#						
TST1	1-616#	1-617	1-631	1-635	1-674		
TST2	1-674*	1-676#					
TST3	1-621	1-672	1-677#				
TST4	1-590	1-600	1-621#				
TST5	1-606	1-609	1-619#				
VRBUF	1-16#	1-53	1-74	1-374#	1-393		
VSTAT	1-16#	1-281					
VSTEND	1-19#	1-296					
WORD1	1-18#						
XYFILE	1-709#	1-769					
YES	1-167	1-298*	1-300*	1-358#			

...CM1	1-12#	1-369#	1-570#	1-626	1-631	1-705#	
...CM2	1-12#	1-369#	1-570#	1-626	1-631	1-631	1-631
	1-631	1-705#					
...CM3	1-12#	1-369#	1-570#	1-663	1-705#		
...CM4	1-12#	1-369#	1-570#	1-631	1-705#		
..V2..	1-11#	1-12	1-368#	1-369	1-569#	1-570	1-704#
	1-705						
.CLOSE	1-569#	1-663					
.LOOKU	1-569#	1-626					
.READW	1-569#	1-631					
.REGDE	1-11#	1-13	1-368#	1-370	1-569#	1-571	1-704#
	1-706						
.SRESE	1-569#	1-664					

RAMPRC RT-11 CRO VM02-10 00:37:29
TABLE OF CONTENTS

1- 2 RAMPRC
1- 80 RARQST
1-230 RSLOPL
1-278 RSENSE

```

1      .TITLE  RAMPRC
2      .SBTTL  RAMPRC
3
4      ;
5      ;      RAMPRC = REMOTE ALARM DATA PROCESSOR -- CARGO SECURITY
6      ;
7      ;      OBJECT: TO PROCESS INPUT DATA FROM VEHICLES IN REMOTE ALARM MODE.
8      ;      THE DATA INPUT INCLUDES SENSOR AND REQUEST DATA.
9      ;
10     .MCALL  ..V2....REGDEF
11     ..V2...
12     .REGDEF
13     .NLIST  BEX
14
15     .GLOBL  RAMPRC, SAVREG, RSTREG, VALVID, RSLOPL, RARQST, RSLOPL, RSENSE
16     .GLOBL  DTASTR, BASECD, RBUF, POLBUF
17     .GLOBL  RAINPI, RAINPB, RAINPP, RAIEND, RAFLAG, RVEH1, RVEH
18
19     ;
20     ;      SAVE REGISTERS AND GET VSTAT ADDRESS
21     ;
22     00000 004567 RAMPRC: JSR      R5, SAVREG          ; SAVE REGISTERS
23     00004 012704      MOV      #RAINPB, R4          ; GET INPUT BUFFER ADDRESS
24     00010 066704      ADD      RAINPI, R4           ; ADD OFFSET
25     00014 010467      MOV      R4, RVEH             ; STORE IN BUFFER
26     00020 111403      MOV      (R4), R3            ; GET VEHICLE ID
27     00022 042703      BIC      #300, R3            ; CLEAR NON-ESSENTIAL BITS
28     00026 004567      JSR      R5, VALVID           ; DETERMINE VSTAT ADDRESS
29     00032 005701      TST      R1                   ; IS INPUT OK
30     00034 001407      BEQ      RAM1                  ; YES, GO AROUND
31     00036 110367      MOV      R3, RAOUT1           ; NO, STORE ID
32     00042 004567      JSR      R5, BASECD           ; OUTPUT ERROR MESSAGE TO
33     00046 000      RAOUT1: .BYTE 0, 0, 24, 36.      ; BASE STATION
34     00052 000442      BR       OUT                  ; GO TO OUTPUT
35
36     ;
37     ;      TEST FOR PROCESSING TYPE
38     ;
39     ;      1. RARQST = REMOTE ALARM ARM REQUEST, BIT 2000 SET IN
40     ;      INPUT DATA WORD
41     ;      2. RSLOPL = REMOTE ALARM MODE SENSOR POLLED RESPONSE
42     ;      3. RSENSE = REMOTE ALARM SENSOR EVENT
43
44     00054 010267 RAM1:  MOV      R2, RVEH1          ; STORE VSTAT ADDRESS
45     00060 016704      MOV      RVEH, R4            ; GET INPUT ADDRESS
46     00064 011403      MOV      (R4), R3
47     00066 042703      BIC      #174077, R3
48     00072 022703      CMP      #2000, R3           ; IS REMOTE ALARM REQUEST
49     00076 001417      BEQ      RAM2B               ; YES, GO PROCESS
50     00100 022703      CMP      #100, R3            ; IS SENSOR POLL RESPONSE
51     00104 001417      BEQ      RAM2C               ; YES, GO PROCESS
52     00106 005703      TST      R3                  ; IS SENSOR EVENT
53     00110 001420      BEQ      RAM2D               ; YES, GO PROCESS
54     00112 111467      MOV      (R4), RAOUT2        ; OH, OH - ERROR
55     00116 142767      BIC      #300, RAOUT2        ; GET ID
56     00124 004567      JSR      R5, BASECD           ; OUTPUT CMD TO BASE
57     00130 000      RAOUT2: .BYTE 0, 0, 24, 37.    ; FOR ERROR

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54 00134 000411      BR      OUT      ; GET OUT
55      ;
56      ;      GO TO PROCESSING ROUTINES
57      ;
58 00136 004567 RAM2B: JSR      R5,RARQST      ; GO TO REQUEST
59 00142 000406      BR      OUT
60 00144 004567 RAM2C: JSR      R5,RSLOPL      ; GO TO SENSOR POLL
61 00150 000403      BR      OUT
62 00152 004567 RAM2D: JSR      R5,RSSENSE     ; GO TO SENSOR EVENT
63 00156 000400      BR      OUT
64      ;
65      ;      CLEAN-UP AND GETOUT
66      ;
67 00160 062767 OUT:   ADD      #4,RAINPI      ; ADD OFFSET
68 00166 062767      ADD      #4,RVEH      ; TO INPUT AND POINTER
69 00174 026727      CMP      RVEH,#RAIEND     ; TEST FOR BUFFER END
70 00202 100402      BMI      OUT1           ; NO, GO AROUND
71 00204 005067      CLR      RAINPI         ; RESET BUFFER POINTER
72 00210 004567 OUT1: JSR      R5,RSTREG      ; RESTORE REGISTERS
73 00214 000203      RTS      R5           ; RETURN
74      ;
75      ;      INTERNAL VARIABLES
76      ;
77 00216 000000 RVEH:  .WORD    0           ; RAINPB ADDRESS
78 00220 000000 RVEH1: .WORD    0           ; VSTAT ADDRESS
79      ;
80      .SBTTL  RARQST
81      ;
82      ;      RARQST = REMOTE ALARM REQUEST PROCESSOR -- CARGO SECURITY
83      ;
84      ;      OBJECT: TO DETERMINE THE TYPE OF INPUT AND SET UP REQUIRED
85      ;      PROCESSING FUNCTIONS
86      ;      1. YARD ENTRY
87      ;      2. SCRAMBLED RAM LOAD
88      ;      3. POWER ON
89      ;
90      .GLOBL  RARQST,BASECD,ALCCMD,CMD0
91      .GLOBL  TCLRCD,GILRCD,RAVCOM,CMDBUF,RVEH,RVEH1,SPVEHD
92      ;
93      ;      TEST FOR PROCESSING TYPE
94      ;      RVEH = ADDRESS OF INPUT DATA(R4)
95      ;      RVEH1= ADDRESS OF VSTAT(R2)
96      ;
97 00222 032762 RARQST: BIT      #4,2(R2)      ; TEST FOR VEHICLE IN QUEUE FLAG SET
98 00230 001010      BNE      RAR1           ; YES, GO AROUND
99 00232 111267      MOVB     (R2),BSCMD1      ; STORE VEHICLE ID
100 0236 004567      JSR      R5,BASECD      ; OUTPUT ERROR
101 0242 000      BSCMD1: .BYTE    0,0,24,50.   ; CMD #59.
102 0246 000167      JMP      RETN          ; RETURN
103      ;
104 0252 111201 RAR1:  MOVB     (R2),R1         ; GET VEHICLE ID
105 0254 006301      ASL      R1           ; FORMAT FOR COMMAND WORD
106 0256 006301      ASL      R1

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107 0260 006301      ASL      R1
108 0262 006301      ASL      R1
109 0264 012703      MOV      #RBUF,R3          ; GET REMOTE ALARM COMMAND BUFFER
110 0270 011300 RAR1AA: MOV      (R3),R0        ; GET CONTENTS OF BUFFER
111 0272 042700      BIC      #176041,R0       ; CLEAR ALL BUT ID BITS
112 0276 005700      TST      R0               ; IS COMMAND TO ID '0'
113 0300 001410      BEQ      RAR1AB           ; YES, GO SHIFT CMDS UP
114 0302 020100      CMP      R1,R0           ; IS RAR INPUT VEHD IN RBUF
115 0304 001406      BEQ      RAR1AB           ; YES, GO CLEAR AND SHIFT
116 0306 062703      ADD      #2,R3           ; INCREMENT POINTER
117 0312 020327      CMP      R3,#POLBUF       ; AT BUFR END?
118 0316 100764      BMI      RAR1AA          ; NO, TRY NEXT INPUT
119 0320 000407      BR       RAR1AD           ; YES, GET OUT
120 0322 010300 RAR1AB: MOV      R3,R0         ; GET CURRENT ADDRESS
121 0324 005023      CLR      (R3)+           ; CLEAR ENTRY AND INCREMENT POINTER
122 0326 011310 RAR1AC: MOV      (R3),(R0)      ; SHIFT DOWN
123 0330 005723      TST      (R3)+           ; INCREMENT POINTER
124 0332 020327      CMP      R3,#POLBUF       ; AT END?
125 0336 100773      BMI      RAR1AC           ; NO, GO AGAIN
126 0340 016267 RAR1AD: MOV      2(R2),RARQ1
127 0346 042767      BIC      #177754,RARQ1
128 0354 032767      BIT      #23,RARQ1        ; IS VEHICLE IN ANY DECLARED MODE?
129 0362 001004      BNE      RAR1A           ; YES, GO AROUND
130 0364 022767      CMP      #21,RARQ1        ; IS VEHICLE IN YARD ENTRY PROCESS?
131 0372 001052      BNE      RAR2            ; NO, POWER ON DECLARED
132 0374 032767 RAR1A: BIT      #1,RARQ1       ; IS VEHICLE IN NORMAL MODE?
133 0402 001424      BEQ      RAR1B           ; NO, MUST BE IN REMOTE ALARM
134 0404 032762      BIT      #100000,12(R2)   ; IS RAM LOAD IN PROCESS
135 0412 001176      BNE      RAR4            ; YES, SCRAMBLED RAM LOAD
136 0414 022767      CMP      #21,RARQ1        ; IS VEHICLE IN YARD ENTRY PROCESS?
137 0422 001502      BEQ      RAR3            ; YES, GO TO YARD ENTRY
138 0424 111203      MOVB     (R2),R3          ; POWER CYCLED IN NORMAL MODE, LOC. REQ.
139 0426 006303      ASL      R3               ; FORMAT VEHICLE ID
140 0430 006303      ASL      R3
141 0432 006303      ASL      R3
142 0434 006303      ASL      R3
143 0436 052703      BIS      #4,R3           ; SET LOCATION REQUEST BITS
144 0442 010367      MOV      R3,CMDBUF        ; OUTPUT CMD
145 0446 004567      JSR      R5,CMD0         ; CALL XFR ROUTINE
146 0452 000571      BR       RETN            ; GETOUT
147 0454 111203 RAR1B: MOVB     (R2),R3          ; POWER CYCLED IN REMOTE ALARM ARM
148 0456 006303      ASL      R3               ; FORMAT VEHICLE ID
149 0460 006303      ASL      R3
150 0462 006303      ASL      R3
151 0464 006303      ASL      R3
152 0466 052703      BIS      #10,R3          ; SET REMOTE ALARM ARM BITS
153 0472 042762      BIC      #1,2(R2)        ; CLEAR NORMAL MODE
154 0500 052762      BIS      #2,2(R2)        ; SET REMOTE ALARM MODE
155 0506 010367      MOV      R3,CMDBUF        ; OUTPUT CMD
156 0512 004567      JSR      R5,CMD0         ; CALL XFR ROUTINE
157 0518 000547      BR       RETN            ; GETOUT
158
159                ; POWER ON DECLARED, PUT VEHICLE IN NORMAL MODE
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160 ;
161 0520 111203 RAR2:  MOV  (R2),R3      ; GET VSTAT ADDRESS
162 0522 006303      ASL   R3          ; SHIFT LEFT 4 BITS
163 0524 006303      ASL   R3
164 0526 006303      ASL   R3
165 0530 006303      ASL   R3
166 0532 052703      BIS   #4,R3      ; SET LOCATION REQUEST COMMAND
167 0536 052762 RAR2A:  BIS   #4000,24(R2)
168 0544 052762      BIS   #14,2(R2)  ; SET ENABLED AND IN QUE BITS
169 0552 012701      MOV   #TCLRCD,R1
170 0556 032762      BIT   #40,2(R2)
171 0564 001402      BEQ   RAR2AA
172 0566 012701      MOV   #GILRCD,R1
173 0572 010321 RAR2AA: MOV   R3,(R1)+
174 0574 012721      MOV   #60,(R1)+
175 0600 012721      MOV   #3,(R1)+
176 0604 010221      MOV   R2,(R1)+
177 0606 111211      MOV  (R2),(R1)
178 0610 042762      BIC   #22,2(R2)
179 0616 010367 RAR2AB: MOV   R3,CMDBUF  ; STORE DATA
180 0622 004567      JSR   R5,CMD0     ; OUTPUT COMMAND
181 0628 000503      BR    RETN       ; RETURN
182 ;
183 ;      YARD ENTRY PROCESSING
184 ;      1. PUT VEHICLE IN REMOTE ALARM PENDING MODE
185 ;      2. DISABLE ALL SENSORS CMD OUT
186 ;      3. DELETE VEHICLE FROM SLOW POLL QUEUE
187 ;
188 0630 042762 RAR3:   BIC   #37,2(R2)  ; CLEAR ALLMODE BITS
189 0636 052762      BIS   #16,2(R2)  ; SET ENABLED IN QUEUE, RA
190 0644 111203      MOV  (R2),R3      ; GET ID
191 0646 006303      ASL   R3          ; SHIFT LEFT 4 BITS
192 0650 006303      ASL   R3
193 0652 006303      ASL   R3
194 0654 006303      ASL   R3
195 0656 032762      BIT   #14,26(R2)
196 0664 001315      BNE   RAR2
197 0666 116267      MOV  24(R2),RAR3B+4
198 0674 111267      MOV  (R2),RAR3B+2
199 0700 004567      JSR   R5,DTASTR
200 0704 000111 RAR3B: .WORD 111,0,0
201 0712 042762      BIC   #101,2(R2)
202 0720 052703      BIS   #7,R3      ; SET DISABLE SENSORS CMD
203 0724 052762      BIS   #400,2(R2)
204 0732 052762      BIS   #4000,12(R2)
205 0740 052762      BIS   #100,4(R2)
206 0746 042762      BIC   #20,26(R2)
207 0754 012701      MOV   #SPVEHD,R1  ; GET DELETE VEHICLE BUFFER
208 0760 105721 RAR3A: TSTB (R1)+      ; TEST FOR 0
209 0762 001376      BNE   RAR3A      ; IN BUFR
210 0764 111241      MOV  (R2),-(R1)  ; STORE ID
211 0766 111267      MOV  (R2),RAVCOM
212 0772 010367      MOV   R3,RAVCOM+2

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213 0776 042703      BIC      #7,R3
214 1002 052703      BIS      #10,R3
215 1006 000703      BR       RAR2AB
216                ;
217                ;      SCRAMBLED RAM LOAD, REQUEST RELOAD OF LAST RAM LOAD
218                ;
219 1010 011467 RAR4:  MOV      (R4),ALC1+2      ; STORE
220 1014 016467      MOV      2(R4),ALC1+4      ; COMMAND
221 1022 004567      JSR      R5,ALCCMD        ; FOR
222 1026 000012 ALC1:  .WORD    10,,0.0        ; ALERT PROC.
223 1034 000400      BR       RETN            ; RETURN
224                ;
225                ;      RETURN TO REMOTE ALARM PROCESSOR
226                ;
227 1036 000205 RETN:  RTS       R5
228 1040 000000 RARQ1: .WORD    0
229                ;
230                ;      .SBTTL  RSLOPL
231                ;
232                ;      RSLOPL = REMOTE ALARM COMMUNICATIONS PROCESSOR -- CARGO SECURITY
233                ;
234                ;      OBJECT: TO SET UP SLOW POLL COMMUNICATIONS LINK FOR VEHICLE
235                ;      TESTING OF VEHICLES IN REMOTE ALARM ARMED STATE
236                ;
237                ;      .GLOBL  RSLOPL,SAVREG,RSTREG,BASECD,DSPCMD
238                ;      .GLOBL  BSRQST,RVEH1,RVEH,RPTR,POLBUF
239                ;
240                ;      PROCESS SENSOR POLLED INPUTS FROM VEHICLES IN REMOTE ALM MODE
241                ;
242 1042 004567 RSLOPL: JSR      R5,SAVREG        ; SAVE REGISTERS
243 1046 016700      MOV      RVEH1,R0          ; GET VSTAT ADDRESS
244 1052 132767      BITB     #3,BSRQST+1       ; IS REQUEST FLAG SET?
245 1060 001413      BEQ      R11              ; NO, GO AROUND
246 1062 121067      CMPB     (R0),BSRQST       ; IS THIS THE RIGHT VEHICLE?
247 1066 001010      BNE      R11              ; NO, GO AROUND
248 1070 005067      CLR      BSRQST           ; CLEAR BASE REQUEST FLAG WORD
249 1074 111067      MOVB     (R0),BSCMD4       ; STORE ID
250 1100 004567      JSR      R5,BASECD
251 1104 000000 BSCMD4: .WORD    0,30.
252 1110 016704 R11:  MOV      RVEH,R4          ; GET INPUT DATA ADDRESS
253 1114 042764      BIC      #40400,2(R4)      ; CLEAR NONE OPERATIONAL SENSORS
254                ;      (DRIVER ALARM AND KEY)
255 1122 126462      CMPB     3(R4),7(R2)        ; IS SENSORS SAME AS LAST REPORT
256 1130 001417      BEQ      OK              ; YES, GO TO OUTPUT
257 1132 111267      MOVB     (R2),BSCMD3       ; STORE VEHICLE ID #
258 1136 004567      JSR      R5,BASECD        ; OUTPUT CMD
259 1142 000      BSCMD3: .BYTE    0,0,23,,0    ; TO BASE STATION
260 1146 111267      MOVB     (R2),DSCMD1       ; STORE VEHICLE ID #
261 1152 004567      JSR      R5,DSPCMD        ; OUTPUT COMMAND
262 1156 000      DSCMD1: .BYTE    0,0,14,,0    ; TO DISPATCH STATION
263 1162 116462      MOVB     3(R4),7(R2)      ; STORE NEW INPUT
264 1170 016700 OK:   MOV      RPTR,R0         ; GET POLL BUFR POINTER
265 1174 062700      ADD      #POLBUF,R0       ; GET ADDR

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266 1200 011403      MOV      (R4),R3          ; STORE VEHICLE ID
267 1202 006303      ASL      R3              ; SHIFT
268 1204 006303      ASL      R3              ; VEHICLE
269 1206 006303      ASL      R3              ; ID
270 1210 006303      ASL      R3              ; BY 4 BITS
271 1212 052703      BIS      #3,R3           ; AND SET SENSOR POLL
272 1216 020310      CMP      R3,(R0)         ; IS THIS POLLED VEHICLE
273 1220 001001      BNE      OK1             ; NO, GO AROUND
274 1222 005010      CLR      (R0)           ; CLEAR VALID RESPONSE
275 1224 004567      JSR      R5,RSTREG       ; RESTORE REG
276 1230 000205      RTS      R5             ; RETURN
277                ;
278                .SBTTL  RSENSE
279                ;
280                ; RSENSE = REMOTE ALARM SENSOR PROCESSOR -- CARGO SECURITY
281                ;
282                ; OBJECT: TO PROCESS SENSOR INPUT DATA FROM VEHICLES IN THE REMOTE
283                ; ALARM MODE. THE INPUTS ARE SENSOR EVENTS.
284                ;
285                .GLOBL  RSENSE,RSTREG,SAVREG,FNDBUF,BASECD,GTVREF,DSPCMD,RLSBUF
286                .GLOBL  RVEH1,RVEH
287                ;
288                ; SAVE REGISTERS AND PRE-PROCESS INPUT DATA
289                ; RVEH1 = VSTAT ADDRESS
290                ; RVEH = INPUT DATA ADDRESS
291                ;
292 1232 004567      RSENSE: JSR      R5,SAVREG       ; SAVE REGISTERS
293 1236 016700      MOV      RVEH,R0           ; GET INPUT DATA
294 1242 116001      MOVB     3(R0),R1          ; STORE INPUT SENSOR DATA
295 1246 016702      MOV      RVEH1,R2         ; GET VSTAT ADDRESS
296 1252 120162      CMPB     R1,7(R2)
297 1256 001505      BEQ      OUTC
298 1260 032762      BIT      #2,2(R2)
299 1266 001501      BEQ      OUTC
300 1270 032762      BIT      #20,2(R2)
301 1276 001075      BNE      OUTC
302 1300 116203      MOVB     1(R2),R3         ; STORE VREF BLOCK NO.
303 1304 004567      JSR      R5,FNDBUF        ; FIND AVAILABLE BUFFER
304 1310 000000      BUFR:   .WORD  0          ; BUFFER ADDRESS
305 1312 005767      TST      BUFR            ; TEST FOR BUFFER FREE
306 1316 001007      BNE      RS1             ; YES, GO AROUND
307 1320 111267      MOVB     (R2),ROUT1       ; NO, STORE VEHICLE ID
308 1324 004567      JSR      R5,BASECD        ; OUTPUT ERROR
309 1330 000      ROUT1:   .BYTE  0,0,24,55.   ; COMMAND TO BASE STATION
310 1334 000448      BR      OUTA             ; GETOUT
311                ;
312 1336 016704      RS1:   MOV      BUFR,R4          ; STORE BUFFER ADDRESS
313 1342 004567      JSR      R5,GTVREF         ; GET VREF DATA
314 1346 005700      TST      R0              ; IS OK
315 1350 001407      BEQ      RS2             ; YES, GO AROUND
316 1352 111267      MOVB     (R2),ROUT2       ; NO, STORE VEHICLE ID
317 1356 004567      JSR      R5,BASECD        ; OUTPUT ERROR
318 1362 000      ROUT2:   .BYTE  0,0,24,56.   ; MSG

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319 1366 000431 BR OUTA ; GETOUT
320 ;
321 1370 016704 RS2: MOV BUFR,R4 ; GET VREF ADDRESS
322 1374 016403 MOV 36(R4),R3 ; STORE ENABLED SENSORS BUFFER
323 1400 005103 COM R3 ; TAKE INVERSE
324 1402 000303 SWAB R3 ; SWAP BYTES
325 1404 040301 BIC R3,R1 ; CLEAR NON-ACTIVATED BITS
326 1406 005701 TST R1 ; ARE ANY STILL SET?
327 1410 001001 BNE RS3 ; NO, GO AROUND
328 1412 000421 BR OUTB ; UPDATE VSTAT AND GETOUT
329 ;
330 ; LOAD COMMAND DATA FOR UPDATE OF DISPATCH STATION AND BASE STA.
331 ;
332 1414 111267 RS3: MOVB (R2),BASE1 ; STORE VEHICLE ID
333 1420 111267 MOVB (R2),DSP1 ; COMMAND BASE STATION FOR
334 1424 004567 JSR R5,BASEC ; EVENT
335 1430 000 BASE1: .BYTE 0,0,23,,0 ; AND
336 1434 004567 JSR R5,DSPCMD ; ALSO
337 1440 000 DSP1: .BYTE 0,0,14,,0 ; DISPATCH
338 1444 052762 BIS #30000,2(R2) ; SET FLAG IN VSTAT
339 ;
340 1452 110162 OUTA: MOVB R1,7(R2) ; UPDATE VSTAT
341 1456 016767 OUTB: MOV BUFR,BUFR2 ; GET ADDRESS
342 1464 004567 JSR R5,RLSBUF ; RELEASE BUFFER
343 1470 000000 BUFR2: .WORD 0
344 1472 004567 OUTC: JSR R5,RSTREG ; RESTORE REGISTERS
345 1476 000205 RTS R5 ; RETURN
346 ;
347 000001 .END

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ALCCMD= ***** G	ALC1 001026R	BASECD= ***** G
BASE1 001430R	BSCMD1 000242R	BSCMD3 001142R
BSCMD4 001104R	BSRQST= ***** G	BUFR 001310R
BUFR2 001470R	CMDBUF= ***** G	CMD0 = ***** G
DSCMD1 001156R	DSPCMD= ***** G	DSP1 001440R
DTASTR= ***** G	FNDBUF= ***** G	GILRCD= ***** G
GTVREF= ***** G	OK 001170R	OK1 001224R
OUT 000160R	OUTA 001452R	OUTB 001456R
OUTC 001472R	OUT1 000210R	PC =%000007
FOLBUF= ***** G	RAFLAG= ***** G	RAIEND= ***** G
RAINPB= ***** G	RAINPI= ***** G	RAINPP= ***** G
RAMPRC 000000RG	RAM1 000054R	RAM2B 000136R
RAM2C 000144R	RAM2D 000152R	RAOUT1 000046R
RAOUT2 000130R	RARQST 000222RG	RARQ1 001040R
RAR1 000252R	RAR1A 000374R	RAR1AA 000270R
RAR1AB 000322R	RAR1AC 000326R	RAR1AD 000340R
RAR1B 000454R	RAR2 000520R	RAR2A 000536R
RAR2AA 000572R	RAR2AB 000616R	RAR3 000630R
RAR3A 000760R	RAR3B 000704R	RAR4 001010R
RAVCOM= ***** G	RBUFF = ***** G	RETN 001036R
RLSBUF= ***** G	ROUT1 001330R	ROUT2 001362R
RPTR = ***** G	RSENSE 001232RG	RSLOPL 001042RG
RSTREG= ***** G	RS1 001336R	RS2 001370R
RS3 001414R	RVEH 000216RG	RVEH1 000220RG
R0 =%000000	R1 =%000001	R11 001110R
R2 =%000002	R3 =%000003	R4 =%000004
R5 =%000005	SAVREG= ***** G	SP %000006
SPVEHD= ***** G	TCLRCD= ***** G	VALVID= ***** G
...V2 = 000001		
. ABS. 000000 000		
001500 001		

ERRORS DETECTED: 0
FREE CORE: 17594. WORDS

LP: /C: =RAMPRC.MAC

...V2	1-10#						
ALC1	1-219*	1-220*	1-222#				
ALCCMD	1-90#	1-221					
BASE1	1-332*	1-335#					
BASECD	1-15#	1-30	1-52	1-90#	1-100	1-237#	1-250
	1-258	1-285#	1-308	1-317	1-334		
BSCMD1	1-99*	1-101#					
BSCMD3	1-257*	1-259#					
BSCMD4	1-249*	1-251#					
BSRQST	1-238#	1-244	1-246	1-248*			
BUFR	1-304#	1-305	1-312	1-321	1-341		
BUFR2	1-341*	1-343#					
CMDBUF	1-91#	1-144*	1-155*	1-170*			
CMD0	1-90#	1-145	1-156	1-180			
DSCMD1	1-260*	1-262#					
DSP1	1-333*	1-337#					
DSPCMD	1-237#	1-261	1-285#	1-336			
DTASTR	1-15#	1-199					
FNDBUF	1-265#	1-303					
GILRCD	1-91#	1-172					
GTVREF	1-285#	1-313					
OK	1-256	1-264#					
OK1	1-273	1-275#					
OUT	1-32	1-54	1-59	1-61	1-63	1-67#	
OUT1	1-70	1-72#					
OUTA	1-310	1-319	1-340#				
OUTB	1-328	1-341#					
OUTC	1-297	1-299	1-301	1-344#			
POLBUF	1-15#	1-117	1-124	1-238#	1-265		
R11	1-245	1-247	1-252#				
RAFLAG	1-16#						
RAIEND	1-16#	1-69					
RAINPB	1-16#	1-21					
RAINPI	1-16#	1-22	1-67*	1-71*			
RAINPP	1-16#						
RAM1	1-28	1-40#					
RAM2B	1-45	1-58#					
RAM2C	1-47	1-60#					
RAM2D	1-49	1-62#					
RAMPRC	1-14#	1-20#					
RAOUT1	1-29*	1-31#					
RAOUT2	1-50*	1-51*	1-53#				
RAR1	1-98	1-104#					
RAR1A	1-129	1-132#					
RAR1AA	1-110#	1-118					
RAR1AB	1-113	1-115	1-120#				
RAR1AC	1-122#	1-125					
RAR1AD	1-119	1-126#					
RAR1B	1-133	1-147#					
RAR2	1-131	1-161#	1-196				
RAR2A	1-167#						
RAR2AA	1-171	1-173#					
RAR2AB	1-179#	1-215					
RAR3	1-137	1-188#					
RAR3A	1-208#	1-209					
RAR3B	1-197*	1-198*	1-200#				

RAR4	1-135	1-219#					
RARQ1	1-126*	1-127*	1-128	1-130	1-132	1-136	1-228#
RARQST	1-14#	1-58	1-90#	1-97#			
RAYCOM	1-91#	1-211*	1-212*				
RBUFF	1-15#	1-109					
RETN	1-102	1-146	1-157	1-181	1-223	1-227#	
RLSBUF	1-285#	1-342					
ROUT1	1-307*	1-309#					
ROUT2	1-316*	1-318#					
RPTR	1-238#	1-264					
RS1	1-306	1-312#					
RS2	1-315	1-321#					
RS3	1-327	1-332#					
RSENSE	1-14#	1-62	1-285#	1-292#			
RSLOPL	1-14#	1-14#	1-60	1-237#	1-242#		
RSTREG	1-14#	1-72	1-237#	1-275	1-285#	1-344	
RVEH	1-16#	1-23*	1-41	1-68*	1-69	1-77#	1-91#
	1-238#	1-252	1-286#	1-293			
RVEH1	1-16#	1-40*	1-78#	1-91#	1-238#	1-243	1-286#
	1-295						
SAVREG	1-14#	1-20	1-237#	1-242	1-285#	1-292	
SPVEHD	1-91#	1-207					
TCLRCD	1-91#	1-169					
VALVID	1-14#	1-26					

...CM1	1-10#	
...CM2	1-10#	
...CM3	1-10#	
...CM4	1-10#	
..V2..	1-9#	1-10
.REGDE	1-9#	1-11

1- 2	SMUPD
1- 99	SNPOL
1-231	SNEVNT
1-349	SCMEVT
1-410	MIUPDP
1-499	SNACKN
1-716	RBLOAD

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1      .TITLE  SMUPDP
2      .SBTTL  SMUPD
3
4      SMUPD = SENSOR/MILEAGE UPDATE PROCESSOR -- CARGO SECURITY
5
6      OBJECT: TO PRE-PROCESS SENSOR AND MILEAGE INFORMATION AND PROVIDE
7              UPDATE DATA TO THE ALERT/CONTROL PROCESSOR, THE BASE STA.
8              PROCESSOR AND THE DISPATCH STA. PROCESSOR. THIS ROUTINE
9              SCHEDULES TASKS FOR EITHER POLLED RESPONSES OR EVENTS
10             AND HAS NINE SUPPORTING SUBROUTINES.
11
12      .MCALL  ..V2....REGDEF
13 00000      ..V2..
14 00000      .REGDEF
15      .NLIST  BEX
16
17      .GLOBL  SMUPD, SAVREG, RSTREG, VALVID, BASECD, SMFLAG, DTASTR, DSPCMD
18      .GLOBL  SMINPP, SMINPB, SMIEND, ALCCMD, BSRQST, BSFLAG, DSFLAG, ALFLAG
19      .GLOBL  TCSECD, GISECD, CMDBUF, CMDO, WTVREF, GTVREF, FNDBUF, RLSBUF
20      .GLOBL  SMINPI, RTEST, RAMLOD, INBUF
21
22 00000 004567 SMUPD: JSR      R5, SAVREG          ; SAVE REGISTERS
23 00004 026767      CMP      SMINPP, SMINPI       ; TEST FOR POINTERS ALIGNED
24 00012 001005      BNE      SM1                  ; NO, PROCESS INPUT DATA
25 00014 004567      JSR      R5, BASECD           ; OUTPUT ERROR COMMAND TO PRINTER
26 00020      000      .BYTE   0, 0, 24, 20.      ; ERROR # 20.
27 00024 000522      BR       E1                  ; GO TO GETOUT
28
29      ; GET THE INPUT DATA BUFFER AND STRIP OUT THE VEHICLE ID
30
31 00026 012704 SM1:  MOV      #SMINPB, R4          ; GET ADDRESS OF INPUT BUFFER
32 00032 066704      ADD      SMINPI, R4           ; ADD ON OFFSET
33 00036 011403      MOV      (R4), R3             ; GET VEHICLE ID. NO.
34 00040 042703      BIC      #177700, R3         ; CLEAR NON-ESSENTIAL BITS
35 00044 004567      JSR      R5, VALVID           ; DETERMINE BUFFER ADDRESS
36 00050 005701      TST      R1                  ; TEST FOR ERROR
37 00052 001405      BEQ      S2                  ; NO, GO TO MODE SELECTION
38 00054 004567      JSR      R5, BASECD           ; OUTPUT ERROR MESSAGE
39 00060      000      .BYTE   0, 0, 24, 13.      ; NO. 13. TO PRINTER
40 00064 000466      BR       ENDSMU              ; GET OUT
41
42      ; TEST MODE FIELD DATA FOR SUBROUTINE PROCESSOR SELECTION
43      ; MODE 0 = SENSOR INPUT
44      ; MODE 2 = MILEAGE INPUT
45      ; MODE 3 = ACKNOWLEDGE
46      ; MODE 4 = RAM LOAD
47      ; R2 CONTAINS VSTAT BUFFER ADDRESS
48      ; R4 CONTAINS THE ADDRESS OF FIRST COMMAND WORD
49      ; SECOND BYTE OF R4 CONTAINS MODE DATA (BITS 0-2)
50
51 00066 010267 S2:  MOV      R2, VBUF              ; STORE VSTAT ADDRESS
52 00072 010467      MOV      R4, INBUF            ; STORE SMINPB ADDRESS
53 00076 116403      MOVB     1(R4), R3

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54 00102 042703      BIC      #177770,R3
55 00106 005703      TST      R3
56 00110 001020      BNE      S2A      ; NO, GO TO MODE 2 TEST
57 00112 122764      CMPB     #200,1(R4) ; IS COUNTERMEASURES BIT SET
58 00120 001003      BNE      S21      ; NO, MUST BE POLLED RESP. OR TMR
59 00122 004567      JSR      R5,SCMEVT ; COUNTERMEASURES EVENT
60 00126 000445      BR       ENDSMU    ; GO TO OUTPUT
61 00130 132714 S21:  BITB     #100,(R4) ; IS POLL RESPONSE SET
62 00134 001403      BEQ      S22      ; NO, MUST BE AN EVENT
63 00136 004567      JSR      R5,SNPOL  ; PROCESS POLLED RESPONSE
64 00142 000437      BR       ENDSMU    ; GO TO OUTPUT
65 00144 004567 S22:  JSR      R5,SNEVNT ; PROCESS EVENT
66 00150 000434      BR       ENDSMU    ; GO TO OUTPUT
67 00152 142764 S2A:  BICB     #370,1(R4)
68 00160 122764      CMPB     #2,1(R4)  ; MODE 2 INPUT?
69 00166 001003      BNE      S2B      ; NO, TRY MODE 3
70 00170 004567      JSR      R5,MIUPDP ; MILEAGE UPDATE
71 00174 000422      BR       ENDSMU    ; GO TO OUTPUT
72 00176 122764 S2B:  CMPB     #3,1(R4)  ; MODE 3 INPUT?
73 00204 001003      BNE      S2C      ; NO, TRY MODE 4
74 00206 004567      JSR      R5,SNACKN ; ACKNOWLEDGE UPDATE
75 00212 000413      BR       ENDSMU    ; GO TO OUTPUT
76 00214 122764 S2C:  CMPB     #4,1(R4)  ; MODE 4 INPUT
77 00222 001003      BNE      S2D      ; NO, ERROR MESSAGE
78 00224 004567      JSR      R5,RBLOAD ; RAM LOAD SCRAMBLE
79 00230 000404      BR       ENDSMU    ; GO TO OUTPUT
80 00232 004567 S2D:  JSR      R5,BASECD ; ERROR PRINTOUT NO.
81 00236 000      .BYTE     0,0,24,29. ; NO. 29.
82      ;
83      ;      CLEAN UP, UPDATE INTERNAL POINTER, RESTORE REGISTERS AND RETURN
84      ;      TO VCMPC
85      ;
86 00242 012704 ENDSMU: MOV      #SMINPB,R4 ; GET INPUT DATA ADDRESS
87 00246 062767      ADD      #4,SMINPI  ; ADVANCE POINTER
88 00254 066704      ADD      SMINPI,R4  ; ADD ON POINTER
89 00260 020427      CMP      R4,#SMIEND ; AT END OF BUFFER
90 00264 100402      BMI      E1        ; NO, GO AROUND
91 00266 005067      CLR      SMINPI    ; RESET POINTER FOR NEXT INPUT
92 00272 004567 E1:   JSR      R5,RSTREG ; RESTORE REGISTERS
93 00276 000205      RTS      R5       ; RETURN
94      ;
95      ;      VARIABLES DEFINED IN THIS ROUTINE
96      ;
97 00300 000000 VBUF:  .WORD     0      ; VSTAT PASSED ADDRESS BUFFER
98      ;
99      .SBTTL  SNPOL
100      ;
101      ;      SNPOL = SENSOR POLLED RESPONSE PROCESSOR
102      ;
103      ;      OBJECT: TO PRE-PROCESS SENSOR INPUT DATA FROM VEHICLES IN THE
104      ;      NORMAL MODE TO DETERMINE: (1) IF SENSOR DATA HAS CHANGED
105      ;      SINCE THE LAST INPUT. (2) IF AN ABNORMAL CONDITION EXISTS
106      ;      (IF AN ABNORMAL CONDITION EXISTS, OUTPUT DATA TO ALERT

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107      ;          CONTROL PROCESSOR OR IF A NORMAL CONDITION EXISTS AND
108      ;          SOME SENSORS, NOT INTRUSION, ARE DISABLED, ROUTE TO
109      ;          ALERT CONTROL PROCESSOR), (3) IF AN ALERT CONDITION SHOULD
110      ;          BE CLEARED, OR (4) IF AN ERRONEOUS CONDITION EXISTS.
111      ;
112      ;          .GLOBL SNSPOL, SAVREG, RSTREG, GTVREF, BASECD, DSPCMD, ALCCMD, RTEST
113      ;          .GLOBL VBUF, INBUF, BSFLAG, DSFLAG, ALFLAG, STDLOD, RAMLOD
114      ;          .GLOBL BSRQST, FNDBUF, RLSBUF
115      ;
116      ;          SAVE REGISTERS AND TEST FOR CHANGE IN SENSOR STATUS BY
117      ;          1. GET LAST SENSOR STATUS FROM VSTAT BUFF
118      ;          AND 2. COMPARE WITH CURRENT INPUT
119      ;          (NO ATTEMPT TO TEST DISABLE/ENABLE STATE OF SENSORS)
120      ;
121 0302 016701 SNSPOL: MOV      VBUF, R1          ; GET ADDRESS OF VSTAT FOR VEH.
122 0306 016702          MOV      INBUF, R2         ; GET ADDRESS OF INPUT DATA
123 0312 132767          BITB     #3, BSRQST+1       ; IS BASE STATION REQUEST SET?
124 0320 001413          BEQ      S1                ; NO, GO AROUND
125 0322 121167          CMPB     (R1), BSRQST       ; IS THIS THE RIGHT VEHICLE?
126 0326 001010          BNE      S1                ; NO, GO AROUND
127 0330 005067          CLR      BSRQST           ; CLEAR REQUEST
128 0334 111167          MOVB     (R1), S11         ; STORE ID
129 0340 004567          JSR      R5, BASECD
130 0344 000000 S11:     .WORD    0, 30.
131 0350 042762 S1:      BIC      #100377, 2(R2)    ; CLEAR INTRUSION SENSOR AND CMRS BITS
132 0356 005722          TST      (R2)+            ; BUMP POINTER
133 0360 026112          CMP      6(R1), (R2)       ; TEST FOR SAME SENSOR AND CM
134 0364 001002          BNE      SNS1             ; OH, OH - DIFFERENT, GO TO TEST
135 0366 000167          JMP      GETOUT           ; SAME, GO TO OUTPUT
136      ;
137      ;          FORMAT DATA FOR VEHICLE RAM LOAD TEST. THE DATA IS EITHER A
138      ;          STANDARD LOAD OR MODIFIED. IF MODIFIED USE VREF DATA, IF NOT
139      ;          USE STANDARD AND GO TO RAM LOAD TEST SUBROUTINE
140      ;
141 0372 012767 SNS1:     MOV      #1, TSTOUT        ; SET COMMAND WORD
142 0400 032761          BIT       #400, 12(R1)      ; TEST FOR ANY SENSORS DISABLED
143 0406 001112          BNE      TSTALT            ; YES, GO TO ALERT OUTPUT
144 0410 036127          BIT       12(R1), #2000     ; DETERMINE IF STANDARD RAM LOAD
145      ;          ; FROM BIT SET IN VSTAT BUFFER
146 0416 001412          BEQ      SNS2             ; YES, GO TO STANDARD PROC.
147 0420 004567          JSR      R5, GETREF
148 0424 005767          TST      REFBUF
149 0430 001007          BNE      SNS01            ; GO TO PROCESSOR
150 0432 004567 SNS1A:  JSR      R5, BASECD         ; OUTPUT ERROR
151 0436 000 A1:         .BYTE    0, 0, 24, 39.     ; MESSAGE 39
152 0442 000470          BR       ALTCLD           ; GETOUT
153      ;
154      ;          TRANSFER DATA FROM REFBUF OR STDLOD FILE TO TEST LOCATION
155      ;
156 0444 012704 SNS2:     MOV      #STDLOD-2, R4     ; STORE STANDARD ADDRESS
157 0450 012701 SNS01:    MOV      #RAMLOD, R1       ; STORE TEST BUFFER ADDRESS
158 0454 062704          ADD      #2, R4
159 0460 012421          MOV      (R4)+, (R1)+       ; TRANSFER
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160 0462 012421      MOV      (R4)+,(R1)+      ; DATA TO
161 0464 012421      MOV      (R4)+,(R1)+      ; TEST
162 0466 012421      MOV      (R4)+,(R1)+      ; BUFFER
163                  ;
164                  ; COMPARE INPUT DATA TO RAM LOAD TO DETERMINE IF ABNORMAL CONDITION
165                  ; EXISTS. IF ABNORMAL CONDITION EXISTS, GO TO ALERT PROCESSOR
166                  ;
167 0470 005267 SNS3:  INC      TSTOUT          ; BUMP ERROR POINTER
168 0474 004567      JSR      R5,RTEST          ; GO TO RAM LOAD TEST SUBROUTINE
169 0500 000455      BR       TSTALT           ; ABNORMAL CONDITION DETECTED
170                  ;
171                  ; TEST UNCONDITIONAL SENSORS FOR POTENTIAL ALERT CONDITION
172                  ; 1. DRIVER ALARM ACTIVATED
173                  ; AND/OR 2. CARGO DOOR OPEN
174                  ;
175 0502 005267      INC      TSTOUT          ; BUMP ERROR POINTER
176 0506 032712      BIT      #4000,(R2)       ; IS CARGO DOOR OPEN?
177 0512 001050      BNE     TSTALT           ; YES, OUT TO ALERT PROC.
178 0514 005267      INC      TSTOUT          ; BUMP ERROR POINTER
179 0520 032712      BIT      #4000,(R2)       ; IS DRIVER ALARM ACTIVATED?
180 0524 001043      BNE     TSTALT           ; YES, OUT TO ALERT PROC.
181                  ;
182                  ; VEHICLE IS IN NORMAL MODE WITH ALL SENSORS ACTIVATED STATE. TEST
183                  ; FOR ALERT CONDITIONS IN VSTAT TO DETERMINE THE TYPE OF UPDATE TO
184                  ; SEND TO THE DISPATCH STATION AND BASE STATION PROCESSORS.
185                  ;
186 0526 016701      MOV      VBUF,R1          ; GET ADDRESS OF VSTAT
187 0532 032761      BIT      #1000,12(R1)     ; TEST FOR SENSOR ALERT
188 0540 001406      BEQ      SNS4            ; NO, GO TO NORMAL UPDATE
189 0542 042761      BIC      #1000,12(R1)     ; YES, CLEAR SENSOR ALERT FLAG
190 0550 042761      BIC      #30000,2(R1)     ; CLEAR EVENT FLAG AND ALERT FLAG
191                  ;
192                  ; OUTPUT FORMATTED COMMANDS TO DISPATCH AND BASE STATION DATA
193                  ; PROCESSING PROGRAMS. THE FORMATTED DATA WORDS ARE ALTCLR(ALERT
194                  ; CLEAR) AND UPDNAL(UPDATE NORMAL ALERT CONDITION)
195                  ; UPDATE VSTAT BUFFER
196                  ;
197 0556 111167 SNS4:  MOVB     (R1),ALTCLA      ; STORE VEHICLE ID
198 0562 111167      MOVB     (R1),ALTCLB      ; STORE VEHICLE ID
199 0566 004567      JSR      R5,BASECD        ; OUTPUT BASE STATION COMMAND
200 0572 000000 ALTCLA: .WORD    0,2          ; COMMAND #2
201 0576 004567      JSR      R5,DSPCMD       ; OUTPUT DISPATCH STA. CMD
202 0602 000000 ALTCLB: .WORD    0,7          ; COMMAND #2
203 0606 111167      MOVB     (R1),ALTCLC+2
204 0612 004567      JSR      R5,DTASTR
205 0616 000106 ALTCLC: .WORD    106,0,0
206 0624 011261 ALTCLD: MOV      (R2),6(R1)    ; STORE SENSOR DATA
207                  ;
208                  ; OUTPUT FROM SUBROUTINE
209                  ;
210 0630 000167 OUTSNS: JMP      GETOUT
211                  ;
212                  ; ABNORMAL CONDITION DETECTED, GO TO ALERT PROCESSOR. COMMAND INPUT

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213      ;      CONSISTS OF THE TWO DATA WORDS RECEIVED FROM THE VEHICLE.
214      ;      1. SENSOR DISABLED - SENSOR POLL, NORMAL MODE
215      ;      2. NO COMPARISON WITH RAM LOAD, NORMAL MODE
216      ;      3. CARGO DOOR OPEN - SENSOR POLL, NORMAL MODE
217      ;      4. DRIVER ALARM ACTIVATED - SENSOR POLL, NORMAL MODE
218      ;
219 0634 016267 TSTALT: MOV      -2(R2),TSTOUT+2
220 0642 011267      MOV      (R2),TSTOUT+4
221 0646 004567      JSR      R5,ALCCMD
222 0652 000000 TSTOUT: .WORD    0,0,0
223 0660 000763      BR       OUTSNS
224      ;
225      ;      INTERNAL VARIABLES
226      ;
227 0662      105 STDLOD: .ASCII  /EIJLXDAP/      ; STANDARD RAM LOAD
228 0672      002 UPDNAL: .BYTE    2,0          ; OUTPUT CMDS
229 0674 000000 FLG:     .WORD    0          ; BUFFER FLAG
230      ;
231      .SBTTL  SNEVNT
232      ;
233      ;      SNEVNT = SENSOR EVENT PROCESSOR -- CARGO SECURITY
234      ;
235      ;      OBJECT: TO TEST FOR VALID EVENT ON INPUT AND ROUTE PROCESSING TO
236      ;      ALERT/CONTROL PROCESSOR IF VALID, ERROR MESSAGE IS OUTPUT
237      ;      IF NOT VALID
238      ;
239      ;      .GLOBL  SNEVNT, SAVREG, RSTREG, BASECD, DSPCMD, GTVREF, RTEST, ALCCMD
240      ;      .GLOBL  VBUF, INBUF, FNDBUF, RLSBUF, STDLOD, RAMLOD
241      ;
242      ;      SAVE REGISTERS AND TEST FOR SENSOR EVENT FLAG SET. IF SET GO TO
243      ;      RAM LOAD TEST, IF NOT, SET FLAG AND THEN TEST
244      ;
245 0676 016701 SNEVNT: MOV      VBUF,R1          ; GET VSTAT ADDRESS
246 0702 016702      MOV      INBUF,R2         ; GET INPUT DATA ADDRESS
247 0706 004567      JSR      R5,GETREF
248 0712 005767      TST      REFBUF
249 0716 001010      BNE      SNE1
250 0720 111167      MOV      (R1),A11
251 0724 004567      JSR      R5,BASECD
252 0730      000 A11:  .BYTE    0,0,24,,40.
253 0734 000167      JMP      GETOUT
254      ;
255      ;      FORMAT DATA FOR VEHICLE RAM LOAD TEST. THE DATA IS EITHER STD
256      ;      LOAD OR MODIFIED. MODIFIED LOAD IS IN VREF.
257      ;
258 0740 042762 SNE1:  BIC      #100377,2(R2)      ; CLEAR INTRUSION AND CMRS BITS
259 0746 026162      CMP      6(R1),2(R2)
260 0754 001002      BNE      SNE1X
261 0756 000167      JMP      GETOUT
262 0762 052761 SNE1X: BIS      #10000,2(R1)      ; SET EVENT FLAG
263 0770 012767      MOV      #5,ALOUT          ; INITIALIZE POINTER FOR ALERT CONTROL
264 0776 105762      TSTB     2(R2)
265 1002 001012      BNE      SNE1C

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266 1004 042761      BIC      #400,12(R1)
267 1012 042761      BIC      #40000,2(R1)
268 1020 052764      BIS      #77577,36(R4)
269 1026 000415      BR       SNE1B
270 1030 052761 SNE1C: BIS      #400,12(R1)
271 1036 052761      BIS      #40000,2(R1)
272 1044 016203      MOV      2(R2),R3
273 1050 005103      COM      R3
274 1052 110364      MOV      R3,36(R4)
275 1056 110364      MOV      R3,37(R4)
276 1062 004567 SNE1B: JSR      R5,WRITRF
277 1066 032761      BIT      #400,12(R1)      ; TEST FOR DISABLED SENSOR FLAG SET
278 1074 001022      BNE      SNE2A              ; YES, DATA PROCESSING IN ALERT
279 1076 005267      INC      ALOUT              ; BUMP POINTER
280 1102 032761      BIT      #2000,12(R1)      ; TEST FOR NON-STANDARD RAM LOAD
281 1110 001402      BEQ      SNE101              ; YES, GO TO STD PROCESS
282
283 ;
284 ;      TRANSFER DATA FROM REFBUF TO STDLOD FILE TO TEST LOCATION
285 1112 012704 SNE2:  MOV      #STDLOD-2,R4      ; STORE STANDARD ADDRESS
286 1116 012703 SNE101: MOV      #RAMLOD,R3      ; STORE TEST BUFR ADDR
287 1122 062704      ADD      #2,R4
288 1126 012423      MOV      (R4)+,(R3)+      ; TRANSFER
289 1130 012423      MOV      (R4)+,(R3)+      ; DATA TO
290 1132 012423      MOV      (R4)+,(R3)+      ; TEST
291 1134 012423      MOV      (R4)+,(R3)+      ; BUFR
292 1136 004567      JSR      R5,RTEST          ; TEST RAM LOAD FOR NORMAL COND.
293 1142 000511 SNE2A: BR       SNETST          ; ABNORMAL DETECTED, GO TO ALCPRC
294
295 ;
296 ;      TEST UNCONDITIONAL SENSORS FOR ALERT CONDITION
297 1144 016704      MOV      INBUF,R4              ; STORE ADDRESS OF INPUT DATA
298 1150 005267      INC      ALOUT              ; BUMP POINTER
299 1154 032764      BIT      #4000,2(R4)        ; IS CRGO DR OPN?
300 1162 001101      BNE      SNETST              ; YES, GO TO ALCPRC
301 1164 005267      INC      ALOUT              ; BUMP POINTER
302 1170 032764      BIT      #40000,2(R4)       ; IS DRVR ALM ACTIV?
303 1176 001073      BNE      SNETST              ; YES, GO TO ALCPRC
304
305 ;
306 ;      EVERYTHING IS NORMAL, CLEAR ALL SENSOR ALERTS AND ALARMS. STORE
307 ;      SENSOR DATA IN VSTAT AND COMMAND UPDATE TO BASE STA. AND DSPCH.
308 ;      STATION
309 1200 016702      MOV      VBUF,R2              ; GET VSTAT ADDRESS
310 1204 032762      BIT      #40000,2(R2)       ; TEST FOR COUNTERMEASURES BIT SET?
311 1212 001053      BNE      SNE5              ; YES, ERROR CONDITION
312 1214 042762      BIC      #10000,2(R2)       ; CLEAR EVENT FLAG
313 1222 032762      BIT      #1000,12(R2)       ; IS SENSOR ALERT ON?
314 1230 001437      BEQ      OUT              ; NO, CLEAR EVENT FLAG AND GETOUT
315 1232 042762      BIC      #1000,12(R2)
316 1240 042762      BIC      #20000,2(R2)
317 1246 111467      MOV      (R4),OK1          ; STORE VEHICLE ID
318 1252 004567      JSR      R5,BASECD          ; UPDATE SENSOR STATUS, CLEAR ALERT

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319 1256 000 OK1: .BYTE 0,0,2,0 ; COMMAND NO.
320 1262 111467 MOVB (R4),OK2 ; STORE VEHICLE ID
321 1266 004567 JSR R5,BASECD ; PRINT OUT COMMAND
322 1272 000 OK2: .BYTE 0,0,24,,31. ; NO. 31
323 1276 111467 MOVB (R4),OK3 ; STORE VEHICLE ID
324 1302 004567 JSR R5,DSPCMD ; UPDATE SENSOR STATUS, CLEAR ALERT
325 1306 000 OK3: .BYTE 0,0,7,0 ; COMMAND NO.
326 1312 111467 MOVB (R4),OK4+2
327 1316 004567 JSR R5,DTASTR
328 1322 000106 OK4: .WORD 106,0,0
329 1330 016462 OUT: MOV 2(R4),6(R2) ; UPDATE VSTAT SENSOR DATA
330 1336 000167 JMP GETOUT
331 ;
332 ; COUNTERMEASURES BIT SET, RETAIN ALERT STATUS
333 ;
334 1342 111467 SNE5: MOVB (R4),CSET ; STORE VEHICLE ID
335 1346 004567 JSR R5,BASECD ; OUTPUT ERROR COMMAND NO.
336 1352 000 CSET: .BYTE 0,0,24,,33. ; 33 TO PRINTOUT
337 1356 042762 BIC #50000,2(R2) ; CLEAR COUNTERMEASURES BIT AND EVENT FLAG
338 1364 000761 BR OUT ; GO TO RETURN
339 ;
340 ; STORE DATA FOR ALERT PROCESSOR
341 ;
342 1366 016704 SNETST: MOV INBUF,R4 ; GET INPUT DATA ADDRESS
343 1372 012467 MOV (R4)+,ALOUT+2 ; PASS TO BUFFER
344 1376 011467 MOV (R4),ALOUT+4 ; PASS WORD #2 TO BUFFER
345 1402 004567 JSR R5,ALCCMD ; STORE DATA IN COMMAND BUFFER
346 1406 000000 ALOUT: .WORD 0,0,0
347 1414 000745 BR OUT ; RETURN
348 ;
349 .SBTTL SCMEVT
350 ;
351 ; SCMEVT = SENSOR COUNTERMEASURES PROCESSOR -- CARGO SECURITY
352 ;
353 ; OBJECT: TO PROCESS TAMPER AND COUNTERMEASURES EVENTS
354 ;
355 .MCALL ..V2....REGDEF
356 1416 ..V2..
357 1416 .REGDEF
358 .NLIST BEX
359 ;
360 ; .GLOBL SCMEVT,SAYREG,RSTREG,BSFLAG,BASECD,DSPCMD,GTVREF,FNDBUF,RLSBUF
361 ; .GLOBL DSFLAG
362 ;
363 ; R2 CONTAINS VSTAT BUFFER ADDRESS
364 ; R4 CONTAINS ADDRESS OF FIRST WORD IN SMINPB
365 ;
366 ; SAVE REGISTERS AND GET VREF FILE TO TEST STATE OF SYSTEM SENSORS
367 ;
368 1416 010403 SCMEVT: MOV R4,R3
369 1420 010201 MOV R2,R1
370 1422 042764 BIC #100377,2(R4) ; CLEAR INTRUSION SENSOR AND CMRS BITS
371 1430 004567 JSR R5,GETREF

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372 1434 005767      TST      REFBUF
373 1440 001006      BNE      SCME1      ; YES, GO AROUND
374 1442 004567 S1A:   JSR      R5,BASECD ; OUTPUT ERROR MESSAGE
375 1446      000 S1AA: .BYTE   0,0,24,,41. ; #41
376 1452 000167      JMP      GETOUT      ; GETOUT
377      ;
378      ;      TEST FOR INPUT CONDITION
379      ;
380 1456 105763 SCME1: TSTB     2(R3)      ; IS THIRD BYTE OF INPUT DATA 0
381 1462 000453      BR       CMOUTX      ; (GET OUT) YES, TAMPER EVENT
382 1464 052762      BIS      #40000,2(R2) ; SET SENSOR COUNTERMEASURES BIT
383 1472 105763      TSTB     2(R3)
384 1476 001403      BEQ      SCMB1
385 1500 052762      BIS      #400,12(R2)
386 1506 105163 SCMB1: COMB     2(R3)
387 1512 116364      MOVB     2(R3),36(R4)
388 1520 116364      MOVB     2(R3),37(R4)
389 1526 116203 SCMB2: MOVB     1(R2),R3
390 1532 004567      JSR      R5,WRITRF
391 1536 016462      MOV      2(R4),6(R2)   ; STORE INPUT DATA
392 1544 111267      MOVB     (R2),CMOUT    ; STORE INPUT
393 1550 111267      MOVB     (R2),CMOUT1   ; VEHICLE ID
394 1554 004567      JSR      R5,BASECD     ; COMMAND COUNTERMEASURES
395 1560      000 CMOUT: .BYTE   0,0,15,,1  ; UPDATE TO BASE
396 1564 004567      JSR      R5,DSPCMD    ; COMMAND COUNTERMEASURES
397 1570      000 CMOUT1: .BYTE   0,0,8,,1  ; UPDATE TO DISPATCH STA.
398 1574 111267      MOVB     (R2),CMOUT2+2
399 1600 004567      JSR      R5,DTASTR
400 1604 000403 CMOUT2: .WORD    403,0,0
401 1612 000167 CMOUTX: JMP      GETOUT
402      ;
403      ;
404      ;      TAMPER EVENT
405      ;
406 1616 052762 TAMPER: BIS      #100000,2(R2) ; SET TAMPER BIT
407 1624 042762      BIC      #40000,2(R2)
408 1632 000735      BR       SCMB2
409      ;
410      ;      .SBTTL MIUPDP
411      ;
412      ;      MIUPDP = MILEAGE UPDATE PROCESSOR -- CARGO SECURITY
413      ;
414      ;      OBJECT: TO PROCESS ODOMETER INPUT DATA TO INDICATE NO. OF FEET
415      ;      TRAVELED.
416      ;
417      ;      .GLOBL MIUPDP, SAVREG, RSTREG, DTASTR, BASECD, DSPCMD
418      ;      .GLOBL VBUF, INBUF, BSRQST
419      ;
420      ;      SAVE REGISTERS AND DETERMINE TYPE OF MILEAGE INPUT
421      ;      1. MILEAGE REPORT
422      ;      2. ROLLOVER EVENT
423      ;      3. YARD ENTRY
424      ;      4. YARD EXIT

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425 ;
426 1634 016704 MIUPDP: MOV INBUF,R4 ; GET SMINPB ADDR
427 1640 016702 MOV VBUF,R2 ; GET VSTAT ADDR
428 1644 032714 BIT #100,(R4) ; TEST FOR POLLED RESPONSE
429 1650 001120 BNE M13 ; POLLED RESPONSE, UPDATE DISPLAY
430 1652 032714 BIT #200,(R4) ; ROLLOVER BIT SET
431 1656 001063 BNE M12A ; YES, GO TO ROLLOVER PROC.
432 ;
433 ; YARD ENTRY DECLARED, UPDATE MILEAGE BUFFER AND WRITE TO VEHICLE FILE
434 ;
435 1660 016462 M11: MOV 2(R4),10(R2) ; STORE DATA IN VSTAT
436 1666 016400 MOV 2(R4),R0
437 1672 042762 BIC #120000,4(R2)
438 1700 042762 BIC #40000,26(R2)
439 1706 042762 BIC #20,2(R2)
440 1714 016201 MOV 24(R2),R1
441 1720 042701 BIC #177400,R1
442 1724 010167 MOV R1,M1LOUT+4
443 1730 111267 MOVB (R2),M1LOUT+2 ; STORE VEHICLE ID FOR RECENT HISTORY
444 1734 004567 JSR R5,D1ASTR ; GO TO RHIST DATA PROC
445 1740 012102 M1LOUT: .WORD 12102,0,0 ; COMMAND #1
446 1746 000412 BR M1AA ; GO TO RETURN
447 ;
448 ; YARD EXIT MILEAGE UPDATE
449 ;
450 1750 005062 M11: CLR 10(R2) ; CLEAR MILEAGE BUFFER
451 1754 105062 CLRB 24(R2)
452 1760 111267 MOVB (R2),MERR ; STORE VEHICLE ID
453 1764 004567 JSR R5,BASECD ; YES, ERROR OUTPUT
454 1770 000 MERR: .BYTE 0,0,24,,27. ; #27
455 1774 111267 M1AA: MOVB (R2),A1A ; STORE VEHICLE
456 2000 111267 MOVB (R2),A2A ; ID
457 2004 004567 JSR R5,BASECD ; OUTPUT CMD TO BASE
458 2010 000000 A1A: .WORD 0,3 ; AND
459 2014 004567 JSR R5,DSPCMD ; TO DISPATCH
460 2020 000000 A2A: .WORD 0,4 ; STATION
461 2024 000205 RTS R5 ; RETURN
462 ;
463 ; ROLLOVER OF MILEAGE BUFFER:
464 ;
465 2026 032762 M12A: BIT #40000,26(R2) ; IS ZERO ODOMETER COMMANDED FROM THE BASE
466 2034 001016 BNE ROL1 ; YES, GO CLEAR BIT
467 2036 005762 TST 10(R2)
468 2042 001010 BNE ROL2A
469 2044 032762 BIT #20000,4(R2)
470 2052 001004 BNE ROL2A
471 2054 052762 BIS #20000,4(R2)
472 2062 000413 BR M13
473 2064 105262 ROL2A: INCB 24(R2)
474 2070 000413 BR M1AAA
475 2072 005062 ROL1: CLR 10(R2) ; CLEAR ODOMETER DATA
476 2076 105062 CLRB 24(R2) ; CLEAR ROLLOVER
477 2102 042762 ROL2: BIC #40000,26(R2) ; CLEAR ZERO ODOMETER BIT

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478 2110 000403      BR      M1AAA      : GO TO GETOUT
479      :
480      :      POLLED RESPONSE
481      :
482 2112 016462 MI3:  MOV      2(R4),10(R2)      : SAVE DATA
483 2120 122767 M1AAA: CMPB     #2,BSRQST+1      : TEST FOR BASE STATION REQUEST
484 2126 001013      BNE      M13A      : NO, GO AROUND
485 2130 126712      CMPB     BSRQST,(R2)      : TEST FOR PROPER VEHICLE NUMBER
486 2134 001010      BNE      M13A      : NO, GO AROUND
487 2136 005067      CLR      BSRQST      : FOUND IT
488 2142 111267      MOVB     (R2),M13B      : STORE VEHICLE ID
489 2146 004567      JSR      R5,BASECD      : OUTPUT COMMAND TO BASE STATION
490 2152 000000 MI3B:  .WORD     0,32.
491 2156 032762 MI3A:  BIT      #100000,12(R2)      : IS ENTRY SET?
492 2164 001235      BNE      MIL1      : YES, GO TO YARD ENTRY PROCESSOR
493 2166 032762      BIT      #4000,26(R2)
494 2174 001231      BNE      MIL1
495 2176 032762      BIT      #10000,26(R2)      : IS YARD EXIT SET?
496 2204 001261      BNE      M11      : YES, GO TO YARD EXIT PROCESSOR
497 2206 000672      BR      M1AA      : GO TO GET OUT
498      :
499      :      .SBTTL  SNACKN
500      :
501      :      SNACKN = SENSOR ACKNOWLEDGE -- CARGO SECURITY
502      :
503      :      OBJECT: TO PROVIDE APPROPRIATE COMMANDS TO EITHER THE BASE STA.
504      :      PROCESSOR OR THE ALERT CONTROL PROCESSOR TO ENABLE UPDATE
505      :      OF VEHICLE STATUS DATA.
506      :
507      :      .GLOBL  SNACKN,SAVREG,RSTREG,BASECD,ALCCMD,GTVREF,DSPCMD
508      :      .GLOBL  CMDBUF,CMDO,WTVREF,VBUF,INBUF,FNDBUF,RLSBUF
509      :
510      :      SAVE REGISTERS AND TEST FOR TYPE OF ACKNOWLEDGE
511      :      R0 = INPUT DATA ADDR
512      :      R1 = VSTAT ADDR
513      :      R4 = VREF ADDR
514      :
515 2210 016701 SNACKN: MOV      VBUF,R1      : GET VSTAT ADDRESS
516 2214 032761      BIT      #4000,12(R1)      : IS ALL SENSORS DISABLE PENDING?
517 2222 001061      BNE      ASNSDS      : YES, GO PROCESS
518 2224 032761      BIT      #40000,12(R1)      : IS SENSOR DISABLE PENDING?
519 2232 001017      BNE      SNSDIS      : YES, GO PROCESS
520 2234 032761      BIT      #20000,12(R1)      : IS RAM LOAD PENDING?
521 2242 001102      BNE      RLDDP      : YES, GO PROCESS
522 2244 032761      BIT      #10000,12(R1)      : IS SENSOR ENABLE PENDING?
523 2252 001126      BNE      SNSENB      : YES, GO PROCESS
524 2254 111167      MOVB     (R1),ER1      : STORE VEHICLE ID
525 2260 004567      JSR      R5,BASECD      : PRINTOUT ERROR MESSAGE
526 2264 000      ER1:  .BYTE     0,0,24.,34.      : #34
527 2270 000503      BR      GETOUT      : GETOUT
528      :
529      :      SENSOR DISABLE PENDING FLAG SET
530      :

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531 2272 004567 SNSDIS: JSR    R5,GETREF      ; GET VREF FILE
532 2276 004567         JSR    R5,SNSPT       ; POINT TO CORRECT SENSOR
533 2302 000417         BR     ER0UT         ; ERROR RETURN, NO SENSOR
534 2304 140064         BICB   R0,36(R4)     ; CLEAR SENSOR ACTIVATED BIT
535 2310 140064         BICB   R0,37(R4)     ; CLEAR COUNTERMSRS ACT. BIT
536 2314 111167         MOVB   (R1),SNOUT1    ; OUTPUT DISABLE COMPL. CMD
537 2320 004567         JSR    R5,BASECD     ; TO BASE STA.
538 2324 000     SNOUT1: .BYTE 0,0,6,0
539 2330 004567         JSR    R5,WRITRF
540 2334 052761         BIS     #400,12(R1)   ; SET SENSORS DISABLED BITS
541 2342 142761 ER0UT:  BICB   #17,16(R1)    ; CLEAR SENSOR ID BITS
542 2350 042761         BIC     #4000,12(R1)  ; CLEAR PENDING FLAG
543 2356 042761         BIC     #400,2(R1)    ; CLEAR ACKNOWLEDGE PENDING FLAG
544 2364 000445         BR     GETOUT        ; GETOUT
545
546 ;
547 ;
548 2366 004567 ASNSDS: JSR    R5,GETREF      ; GET VREF FILE
549 2372 005064         CLR     36(R4)        ; CLEAR ACTIVATED SNS CMS BITS
550 2376 004567         JSR    R5,WRITRF
551 2402 111167         MOVB   (R1),SNOUT3    ; STORE VEHICLE ID
552 2406 004567         JSR    R5,BASECD     ; CMD TO BASE
553 2412 000     SNOUT3: .BYTE 0,0,9,0
554 2416 142761         BICB   #17,16(R1)    ; CLEAR SENSOR BITS
555 2424 042761         BIC     #4000,12(R1)  ; CLEAR PENDING FLAG
556 2432 042761         BIC     #400,2(R1)    ; CLEAR ACKNOWLEDGE PENDING FLAG
557 2440 052761         BIS     #400,12(R1)  ; SET DISABLED SENSORS BIT
558 2446 000414         BR     GETOUT        ; GETOUT
559
560 ;
561 ;
562 2450 016700 RLODP:  MOV     INBUF,R0       ; GET INPUT DATA ADDRESS
563 2454 012067         MOV     (R0)+,SNOUT4+2 ; STORE DATA
564 2460 011067         MOV     (R0),SNOUT4+4  ; IN BUFFER
565 2464 004567         JSR    R5,ALCCMD      ; TO PASS TO
566 2470 000011 SNOUT4: .WORD 9,0,0         ; ALERT CONTROL PROCESSOR
567 2476 000400         BR     GETOUT        ; GETOUT
568
569 ;
570 ;
571 2500 005767 GETOUT: TST     FLG           ; IS BUFFER FLAG SET
572 2504 001410         BEQ     GET1         ; NO, GO AROUND
573 2506 005067         CLR     FLG         ; RESET FLAG
574 2512 016767         MOV     REFBUF,OUTBUF ; STORE BUFFER ADDRESS
575 2520 004567         JSR    R5,RLSBUF     ; RELEASE BUFFER
576 2524 000000 OUTBUF: .WORD 0
577 2526 000205 GET1:  RTS     R5           ; RETURN
578
579 ;
580 ;
581 2530 032761 SNSENB: BIT     #1,2(R1)      ; SENSOR ENABLE PENDING
582 2536 001414         BEQ     SNSEC
583 2540 004567         JSR    R5,GETREF      ; GET VREF FILE

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584	2544	004567	JSR	R5,SNSPT	: POINT TO SENSOR
585	2550	000407	BR	SNSEC	
586	2552	150064	BISB	R0,36(R4)	: SET SENSOR ACTIVATED
587	2556	150064	BISB	R0,37(R4)	: SET COUNTERMEASURES ACTIVATED
588	2562	005000	CLR	R0	
589	2564	005200	INC	R0	
590	2566	000403	BR	SNSEB3	
591	2570	000167	SNSEC: JMP	EROUT4	: ERROR RETURN, NO SENSOR
592	2574	006300	SNSEB1: ASL	R0	
593	2576	136400	SNSEB3: BITB	36(R4),R0	
594	2602	001004	BNE	SNSEB2	
595	2604	132700	BITB	#200,R0	
596	2610	001371	BNE	SNSEB1	
597	2612	000404	BR	SNSE1	
598	2614	052761	SNSEB2: BIS	#400,12(R1)	: SET SENSOR DISABLED FLAG
599	2622	000403	BR	SNSE2	
600	2624	042761	SNSE1: BIC	#400,12(R1)	
601	2632	032761	SNSE2: BIT	#10000,4(R1)	
602	2640	001021	BNE	SNSE3	
603	2642	111167	MOVB	(R1),SNOUT2	: OUTPUT ENABLE
604	2646	004567	JSR	R5,BASECD	: COMPLETE CMD
605	2652	000	SNOUT2: .BYTE	0,0,6,1	: TO BASE STATION
606	2656	004567	JSR	R5,WRITRF	
607	2662	142761	EROUT1: BICB	#17,16(R1)	: CLEAR SENSOR ID BITS
608	2670	042761	BIC	#10000,12(R1)	: CLEAR SENSOR ENABLE PENDING FLAG
609	2676	042761	BIC	#400,2(R1)	: CLEAR ACKNOWLEDGE PENDING FLAG
610	2704	116167	SNSE3: MOVB	25(R1),SENS	
611	2712	042767	BIC	#177770,SENS	
612	2720	005267	INC	SENS	
613	2724	022767	CMP	#7,SENS	
614	2732	001061	BNE	EROUT2	
615	2734	142761	BICB	#7,25(R1)	
616	2742	005067	CLR	SENS	
617	2746	042761	BIC	#10000,4(R1)	
618	2754	042761	BIC	#10401,12(R1)	
619	2762	042761	BIC	#20,26(R1)	
620	2770	052761	BIS	#4000,26(R1)	
621	2776	012703	MOV	#GISECD,R3	
622	3002	032761	BIT	#40,2(R1)	
623	3010	001002	BNE	EROUT9	
624	3012	012703	MOV	#TCSECD,R3	
625	3016	005023	EROUT9: CLR	(R3)+	
626	3020	012723	MOV	#60,.(R3)+	
627	3024	005023	CLR	(R3)+	
628	3026	111167	EROUT0: MOVB	(R1),SNOUT7	
629	3032	111167	MOVB	(R1),SNOUT6	
630	3036	004567	JSR	R5,DSPCMD	
631	3042	000000	SNOUT6: .WORD	0,2012	
632	3046	004567	JSR	R5,BASECD	
633	3052	000000	SNOUT7: .WORD	0	
634	3054	022	.BYTE	18,4	
635	3056	111167	MOVB	(R1),SNOUT5+2	
636	3062	004567	JSR	R5,ALCCMD	

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637 3066 000013 SNOUT5: .WORD 11.,0.0
638 3074 000447 BR EROUT3
639 3076 016703 EROUT2: MOV SENS.R3
640 3102 000303 SWAB R3
641 3104 111102 MOVB (R1),R2
642 3106 006302 ASL R2
643 3110 006302 ASL R2
644 3112 006302 ASL R2
645 3114 006302 ASL R2
646 3116 006303 ASL R3
647 3120 006303 ASL R3
648 3122 050203 BIS R2,R3
649 3124 052703 BIS #6,R3
650 3130 010367 MOV R3,CMDBUF
651 3134 116761 MOVB SENS.25(R1)
652 3142 004567 JSR R5,CMD0
653 3146 012702 MOV #GISECD,R2
654 3152 032761 BIT #40.2(R1)
655 3160 001002 BNE EROUT8
656 3162 012702 MOV #TCSECD,R2
657 3166 010322 EROUT8: MOV R3,(R2)+
658 3170 012722 MOV #60.,(R2)+
659 3174 012722 MOV #3,(R2)+
660 3200 052761 EROUT5: BIS #10000.12(R1)
661 3206 052761 BIS #400.2(R1)
662 3214 000167 EROUT3: JMP GETOUT ; GET OUT
663 3220 000000 SENS: .WORD 0
664 3222 111167 EROUT4: MOVB (R1),SNOUT8
665 3226 004567 JSR R5,BASECD
666 3232 000 SNOUT8: .BYTE 0,0.24.,67.
667 3236 042761 BIC #10000.4(R1)
668 3244 042761 BIC #10000.12(R1)
669 3252 042761 BIC #400.2(R1)
670 3260 142761 BICB #7.25(R1)
671 3266 042761 BIC #17.16(R1)
672 ;
673 ; INTERNAL SUBROUTINE TO GET VREF DATA AND TEST FOR VALID
674 ; RETURN WITH R0 = 1 MEANS ERROR PROCESSED AND GETOUT
675 ;
676 3274 116103 GETREF: MOVB 1(R1),R3 ; STORE BLOCK NO.
677 3300 004567 JSR R5,FNDBUF ; FID AVAILABLE BUFFER
678 3304 000000 REFBUF: .WORD 0
679 3306 005767 TST REFBUF ; IS BUFFER AVAILABLE
680 3312 001411 BEQ G1 ; NO ERROR
681 3314 005267 INC FLG ; SET BUFFER FLAG
682 3320 016704 MOV REFBUF,R4 ; GET BUFFER AREA ADDRESS
683 3324 004567 JSR R5,GTVREF ; GET FILE
684 3330 005700 TST R0 ; IS FILE VALID
685 3332 001001 BNE G1 ; NO, GO AROUND
686 3334 000205 G2: RTS R5 ; RETURN
687 ;
688 3336 111267 G1: MOVB (R2),GOUT ; STORE ID
689 3342 004567 JSR R5,BASECD ; CMD TO BASE

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690 3346 000 GOUT: .BYTE 0,0,24.,35. ; STATION FOR
691 3352 000770 BR 62 ; INVALID FILE
692 ;
693 ; INTERNAL SUBROUTINE TO POINT TO THE CORRECT SENSOR
694 ;
695 3354 012700 SNSPT: MOV #1,R0 ; INITIALIZE POINTER
696 3360 005002 CLR R2 ; INITIALIZE BIT POINTER
697 3362 116103 MOVB 16(R1),R3 ; GET PRESENT DATA
698 3366 142703 BICB #360,R3 ; CLEAR NON-ESSENTIAL BITS
699 3372 120203 SNSP1: CMPB R2,R3 ; TEST FOR MATCH
700 3374 001414 BEQ OUT1 ; YES, GO PROCESS
701 3376 005202 INC R2 ; NO, INCREMENT BOTH
702 3400 006300 ASL R0 ; POINTERS
703 3402 022702 CMP #8.,R2 ; TEST FOR END
704 3406 001371 BNE SNSP1 ; NO, TRY AGAIN
705 3410 111167 MOVB (R1),SNER2 ; STORE ID
706 3414 004567 JSR R5,BASECD ; OUTPUT CMD TO BASE STA
707 3420 000 SNER2: .BYTE 0,0,24.,33. ; FOR ERROR
708 3424 000401 BR OUT2
709 3426 005725 OUT1: TST (R5)+ ; INCREMENT RETURN POINTER
710 3430 000205 OUT2: RTS R5 ; RETURN
711 3432 116103 WRITRF: MOVB 1(R1),R3 ; STORE BLK NO.
712 3436 016704 MOV REFBUF,R4 ; STORE BUFFER ADDRESS
713 3442 004567 JSR R5,WTVREF ; STORE VREF DATA
714 3446 000205 RTS R5 ; RETURN
715 ;
716 .SBTTL RBLOAD
717 ;
718 ; RBLOAD - RAM LOAD ACKNOWLEDGE -- CARGO SECURITY
719 ;
720 ; OBJECT: TO PROVIDE COMMANDS TO ALERT/CONTROL PROCESSOR FOR
721 ; VALID RAM LOAD INPUT RECEIVED FROM VEHICLE UNIT
722 ;
723 ; .GLOBL RBLOAD,ALCCMD,INBUF
724 ;
725 ; LOAD COMMAND TO ALERT CONTROL PROCESSOR
726 ;
727 3450 012467 RBLOAD: MOV (R4)+,RBOUT+2 ; STORE FIRST WORD
728 3454 011467 MOV (R4),RBOUT+4 ; STORE SECOND WORD
729 3460 004567 JSR R5,ALCCMD ; OUTPUT COMMAND TO ALCPRC
730 3464 000012 RBOUT: .WORD 10.,0.0
731 3472 000205 RTS R5 ; RETURN
732 000001 .END

```

ALCCMD= ***** G	ALFLAG= ***** G	ALOUT 001406R
ALTCLA 000572R	ALTCLB 000602R	ALTCLC 000616R
ALTCLD 000624R	ASNSDS 002366R	A1 000436R
A1A 002010R	A11 000730R	A2A 002020R
BASECD= ***** G	BSFLAG= ***** G	BSRQST= ***** G
CMDBUF= ***** G	CMD0 = ***** G	CMOUT 001560R
CMOUTX 001612R	CMOUT1 001570R	CMOUT2 001604R
CSET 001352R	DSFLAG= ***** G	DSPCMD= ***** G
DTASTR= ***** G	ENDSMU 000242R	EROUT 002342R
EROUT0 003026R	EROUT1 002662R	EROUT2 003076R
EROUT3 003214R	EROUT4 003222R	EROUT5 003200R
EROUT8 003166R	EROUT9 003016R	ER1 002264R
E1 000272R	FLG 000674R	FNDBUF= ***** G
GETOUT 002500R	GETREF 003274R	GET1 002526R
GISECD= ***** G	GOUT 003346R	GTVREF= ***** G
G1 003336R	G2 003334R	INBUF = ***** G
MERR 001770R	MILOUT 001740R	MIL1 001660R
MIUPDF 001634R	MI1 001750R	MI2A 002026R
MI3 002112R	MI3A 002156R	MI3B 002152R
M1AA 001774R	M1AAA 002120R	OK1 001256R
OK2 001272R	OK3 001306R	OK4 001322R
OUT 001330R	OUTBUF 002524R	OUTSNS 000630R
OUT1 003426R	OUT2 003430R	PC =%000007
RAMLOD= ***** G	RLOAD 003450R	RBOU 003464R
REFBUF 003304R	RLODP 002450R	RLSBUF= ***** G
ROL1 002072R	ROL2 002102R	ROL2A 002064R
RSTREG= ***** G	RTEST = ***** G	R0 =%000000
R1 =%000001	R2 =%000002	R3 =%000003
R4 =%000004	R5 =%000005	SAVREG= ***** G
SCMB1 001506R	SCMB2 001526R	SCMEVT 001416R
SCME1 001456R	SENS 003220R	SMFLAG= ***** G
SMIEND= ***** G	SMINPB= ***** G	SMINPI= ***** G
SMINPP= ***** G	SMUPD 000000RG	SM1 000026R
SNACKN 002210R	SNER2 003420R	SNETST 001366R
SNEVNT 000676R	SNE1 000740R	SNE1B 001062R
SNE1C 001030R	SNE1X 000762R	SNE101 001116R
SNE2 001112R	SNE2A 001142R	SNE5 001342R
SNOUT1 002324R	SNOUT2 002652R	SNOUT3 002412R
SNOUT4 002470R	SNOUT5 003066R	SNOUT6 003042R
SNOUT7 003052R	SNOUT8 003232R	SNSDIS 002272R
SNSEB1 002574R	SNSEB2 002614R	SNSEB3 002576R
SNSEC 002570R	SNSENB 002530R	SNSE1 002624R
SNSE2 002632R	SNSE3 002704R	SNSPOL 000302R
SNSPT 003354R	SNSP1 003372R	SNS01 000450R
SNS1 000372R	SNS1A 000432R	SNS2 000444R
SNS3 000470R	SNS4 000556R	SP =%000006
STDLOD 000662R	S1 000350R	S1A 001442R
S1AA 001446R	S11 000344R	S2 000066R
S2A 000152R	S2B 000176R	S2C 000214R
S2D 000232R	S21 000130R	S22 000144R
TAMPER 001616R	TCSECD= ***** G	TSTALT 000634R
TSTOUT 000652R	UPDNAL 000672R	VALVID= ***** G
VBUF 000300R	WRITRF 003432R	WTVREF= ***** G

SMUPDP RT-11 CRO VM02-10 00:38:45 PAGE 1+
SYMBOL TABLE

...V2 = 000001
. ABS. 000000 000
003474 001

ERRORS DETECTED: 0
FREE CORE: 17276. WORDS

.LP:/C:=SMUPDP.MAC

...V2	1-13#	1-356#					
A1	1-151#						
A11	1-250*	1-252#					
A1A	1-455*	1-458#					
A2A	1-456*	1-460#					
ALCCMD	1-18#	1-221	1-345	1-565	1-636	1-729	
ALFLAG	1-18#						
ALOUT	1-263*	1-279*	1-298*	1-301*	1-343*	1-344*	1-346#
ALTCLA	1-197*	1-200#					
ALTCLB	1-198*	1-202#					
ALTCLC	1-203*	1-205#					
ALTCLD	1-152	1-206#					
ASNSDS	1-517	1-540#					
BASECD	1-17#	1-25	1-38	1-80	1-129	1-150	1-199
	1-251	1-318	1-321	1-335	1-374	1-394	1-453
	1-457	1-489	1-525	1-537	1-552	1-604	1-632
	1-665	1-689	1-706				
BSFLAG	1-18#						
BSRQST	1-18#	1-123	1-125	1-127*	1-483	1-485	1-487*
CMDBUF	1-19#	1-650*					
CMDO	1-19#	1-652					
CMOUT	1-392*	1-395#					
CMOUT1	1-393*	1-397#					
CMOUT2	1-398*	1-400#					
CMOUTX	1-381	1-401#					
CSET	1-334*	1-336#					
DSFLAG	1-18#						
DSPCMD	1-17#	1-201	1-324	1-396	1-459	1-630	
DTASTR	1-17#	1-204	1-327	1-399	1-444		
E1	1-27	1-90	1-92#				
ENDSMU	1-40	1-60	1-64	1-66	1-71	1-75	1-79
	1-86#						
ER1	1-524*	1-526#					
EROUT	1-533	1-541#					
EROUT0	1-628#						
EROUT1	1-607#						
EROUT2	1-614	1-639#					
EROUT3	1-638	1-662#					
EROUT4	1-591	1-664#					
EROUT5	1-660#						
EROUT8	1-655	1-657#					
EROUT9	1-623	1-625#					
FLG	1-229#	1-571	1-573*	1-681*			
FNDBUF	1-19#	1-677					
G1	1-680	1-685	1-688#				
G2	1-686#	1-691					
GET1	1-572	1-577#					
GETOUT	1-135	1-210	1-253	1-261	1-330	1-376	1-401
	1-527	1-544	1-558	1-567	1-571#	1-662	
GETREF	1-147	1-247	1-371	1-531	1-548	1-583	1-676#
GISECD	1-19#	1-621	1-653				
GOUT	1-688*	1-690#					
GTVREF	1-19#	1-683					
INBUF	1-20#	1-52*	1-122	1-246	1-297	1-342	1-426
	1-562						
M1AA	1-446	1-455#	1-497				

M1AAA	1-474	1-478	1-483#				
MERR	1-452*	1-454#					
MI1	1-450#	1-496					
MI2A	1-431	1-465#					
MI3	1-429	1-472	1-482#				
MI3A	1-484	1-486	1-491#				
MI3B	1-488*	1-490#					
MIL1	1-435#	1-492	1-494				
MILOUT	1-442*	1-443*	1-445#				
MIUPDP	1-70	1-426#					
OK1	1-317*	1-319#					
OK2	1-320*	1-322#					
OK3	1-323*	1-325#					
OK4	1-326*	1-328#					
OUT	1-314	1-329#	1-338	1-347			
OUT1	1-700	1-709#					
OUT2	1-708	1-710#					
OUTBUF	1-574*	1-576#					
OUTSNS	1-210#	1-223					
RAMLOD	1-20#	1-157	1-286				
RBLOAD	1-78	1-727#					
RBOUT	1-727*	1-728*	1-730#				
REFBUF	1-148	1-248	1-372	1-574	1-678#	1-679	1-682
	1-712						
RLODP	1-521	1-562#					
RLSBUF	1-19#	1-575					
ROL1	1-466	1-475#					
ROL2	1-477#						
ROL2A	1-468	1-470	1-473#				
RSTREG	1-17#	1-92					
RTEST	1-20#	1-168	1-292				
S1	1-124	1-126	1-131#				
S11	1-128*	1-130#					
S1A	1-374#						
S1AA	1-375#						
S2	1-37	1-51#					
S21	1-58	1-61#					
S22	1-62	1-65#					
S2A	1-56	1-67#					
S2B	1-69	1-72#					
S2C	1-73	1-76#					
S2D	1-77	1-80#					
SAVREG	1-17#	1-22					
SCMB1	1-384	1-386#					
SCMB2	1-389#	1-408					
SCME1	1-373	1-380#					
SCMEVT	1-59	1-368#					
SENS	1-610*	1-611*	1-612*	1-613	1-616*	1-639	1-651
	1-663#						
SM1	1-24	1-31#					
SMFLAG	1-17#						
SMIEND	1-18#	1-89					
SMINPB	1-18#	1-31	1-86				
SMINPI	1-20#	1-23	1-32	1-87*	1-88	1-91*	
SMINPP	1-18#	1-23					
SMUPD	1-17#	1-22#					
SNACKN	1-74	1-515#					

SNE1	1-249	1-258#					
SNE101	1-281	1-286#					
SNE1B	1-269	1-276#					
SNE1C	1-265	1-270#					
SNE1X	1-260	1-262#					
SNE2	1-285#						
SNE2A	1-278	1-293#					
SNE5	1-311	1-334#					
SNER2	1-705*	1-707#					
SNETST	1-293	1-300	1-303		1-342#		
SNEVNT	1-65	1-245#					
SNOUT1	1-536*	1-538#					
SNOUT2	1-603*	1-605#					
SNOUT3	1-551*	1-553#					
SNOUT4	1-563*	1-564*	1-566#				
SNOUT5	1-635*	1-637#					
SNOUT6	1-629*	1-631#					
SNOUT7	1-628*	1-633#					
SNOUT8	1-664*	1-666#					
SNS01	1-149	1-157#					
SNS1	1-134	1-141#					
SNS1A	1-150#						
SNS2	1-146	1-156#					
SNS3	1-167#						
SNS4	1-188	1-197#					
SNSDIS	1-519	1-531#					
SNSE1	1-597	1-600#					
SNSE2	1-599	1-601#					
SNSE3	1-602	1-610#					
SNSEB1	1-592#	1-596					
SNSEB2	1-594	1-598#					
SNSEB3	1-590	1-593#					
SNSEC	1-582	1-585	1-591#				
SNSENB	1-523	1-581#					
SNSP1	1-699#	1-704					
SNSPOL	1-63	1-121#					
SNSPT	1-532	1-584	1-695#				
STDLOD	1-156	1-227#	1-285				
TAMPER	1-406#						
TCSECD	1-19#	1-624	1-656				
TSTALT	1-143	1-169	1-177	1-180	1-219#		
TSTOUT	1-141*	1-167*	1-175*	1-178*	1-219*	1-220*	1-222#
UPDNAL	1-228#						
VALVID	1-17#	1-35					
VBUF	1-51*	1-97#	1-121	1-186	1-245	1-309	1-427
	1-515						
WRITRF	1-276	1-390	1-539	1-550	1-606	1-711#	
WTVREF	1-19#	1-713					

...CM1	1-13#	1-356#		
...CM2	1-13#	1-356#		
...CM3	1-13#	1-356#		
...CM4	1-13#	1-356#		
..V2..	1-12#	1-13	1-355#	1-356
.REGDE	1-12#	1-14	1-355#	1-357

SECTION A.3

This section contains the following source listings of modules and subroutines which comprise the Alert/Control Data Processing:

Module

Subroutine

ALERTP

NORMSN

DELIVR

DRVALM

RPLSPK

SERAMB

RLOADR



1- 2	NORMSN
1-215	DELIVR
1-244	DRVALM
1-338	RPLSAK
1-384	SCRAMB
1-483	RLOADR


```

1      .TITLE ALERTP
2      .SBTTL NORMSN
3      ;
4      ;      NORMSN = NORMAL SENSOR DATA PROCESSING -- CARGO SECURITY
5      ;
6      ;      OBJECT: TO PROCESS UNUSUAL SENSOR POLL RESPONSES AND SENSOR
7      ;      EVENTS TO DECLARE AND CLEAR SENSOR RELATED ALERTS. THIS
8      ;      ROUTINE FORMATS AND OUTPUTS COMMANDS TO THE BASE STATION,
9      ;      DISPATCH STATION AND RECENT HISTORY DATA BUFFER AREAS.
10     ;
11     .MCALL ..V2...REGDEF
12 00000 ..V2...
13 00000 .REGDEF
14     .NLIST BEX
15     ;
16     .GLOBL NORMSN, SAVREG, FNDBUF, BASECD, RLSSBUF, RSTREG
17     .GLOBL DELIVR, GTVREF, RTEST, DSPCMD, DTASTR
18     .GLOBL RLPTR1, RLCTR1, RLCTR, RVREF, AINPUT, AVSTAT, INBUF, RAMLOD
19     ;
20     ;      SAVE REGISTERS, STORE INPUT DATA IN TEMPORARY BUFFERS, GET VREF
21     ;      DATA AND CLEAR DISABLED BITS OF INPUT SENSOR AND COUNTERMEASURES
22     ;      FIELDS (R0 POINTS TO INPUT DATA, AVSTAT CONTAINS ADDRESS OF VSTAT).
23     ;
24 00000 004567 NORMSN: JSR      R5, SAVREG          ; SAVE REGISTERS 0-4
25 00004 016067      MOV      2(R0), TEMP1         ; STORE VEHICLE
26 00012 016067      MOV      4(R0), TEMP1+2       ; INPUT DATA
27 00020 004567      JSR      R5, FNDBUF          ; FIND NEXT AVAILABLE BUFFER
28 00024 000000 IN1:  .WORD    0
29 00026 005767      TST      IN1                 ; IS BUFFER AVAILABLE
30 00032 001006      BNE      N1                  ; YES, GO AROUND
31 00034 004567      JSR      R5, BASECD          ; OUTPUT ERROR COMMAND
32 00040      000      .BYTE    0, 0, 25, 55.      ; # 55.
33 00044 000167      JMP      OUT2                ; GETOUT
34     ;
35 00050 016701 N1:   MOV      AVSTAT, R1          ; GET VSTAT ADDRESS
36 00054 116103      MOV8     1(R1), R3           ; STORE BLOCK NO.
37 00060 016704      MOV      IN1, R4            ; GET BUFR ADDR
38 00064 004567      JSR      R5, GTVREF          ; GET VREF
39 00070 005700      TST      R0                 ; FILE FOUND?
40 00072 001406      BEQ      N2                  ; YES, GO AROUND
41 00074 004567      JSR      R5, BASECD          ; OUTPUT ERROR COMMAND
42 00100      000      .BYTE    0, 0, 25, 56.      ; #56.
43 00104 000167      JMP      OUT                ; GETOUT
44     ;
45 00110 016403 N2:   MOV      36(R4), R3         ; GET ACTIVATED SENSORS BUFR
46 00114 005103      COM      R3                 ; TAKE COMPLEMENT
47 00116 000303      SWAB     R3                 ; SWAP BYTES
48 00120 140367      BICB     R3, TEMP1+2         ; CLEAR DISABLED SENSOR BITS
49     ;
50     ;      TEST KEYSWITCH AND SEAT OCCUPIED FOR BEING DISABLED, IF DISABLED
51     ;      DO AN ABBREVIATED RAM TYPE TEST AND GO AROUND THE NORMAL RAM
52     ;      LOAD TEST. IF NOT DISABLED, DO A NORMAL RAM LOAD TEST.
53     ;

```

54 00124 032764	BIT	#1.36(R4)	: IS KEYSWITCH ENABLED FLAG SET?
55 00132 001034	BNE	N3	: YES, GO TEST FOR SEAT ENABLED
56 00134 032764	BIT	#2.36(R4)	: IS SEAT SWITCH ENABLED FLAG SET?
57 00142 001015	BNE	N2A	: YES, GO TO MINI-RAM LOAD TEST?
58 00144 012700	MOV	#9.,R0	: INITIALIZE SENSOR ALERT NO. PTR
59 00150 122767	CMPB	#20.TEMP1+3	: IS SEAT EMPTY, AND MOVING?
60 00156 001456	BEQ	N4	: YES, DECLARE ALERT #9
61 00160 062700	ADD	#2.R0	: UPDATE PTR
62 00164 122767	CMPB	#42.TEMP1+3	: IS RIGHT DOOR OPEN AND SEAT OCC.
63 00172 001450	BEQ	N4	: YES, DECLARE ALERT #11
64 00174 005300	DEC	R0	: UPDATE PTR
65 00176 122767 N2A:	CMPB	#60.TEMP1+3	: IS RIGHT DOOR OPEN AND MOVING?
66 00204 001443	BEQ	N4	: YES, DECLARE ALERT #10
67 00206 062700	ADD	#2.R0	: UPDATE PTR
68 00212 122767	CMPB	#44.TEMP1+3	: IS RIGHT DOOR AND LEFT DOOR OPEN
69 00220 001435	BEQ	N4	: YES, DECLARE ALERT #12
70 00222 000526	BR	N6	: GO TO CARGO DOOR RELATED TESTS
71 00224 032764 N3:	BIT	#2.36(R4)	: IS SEAT SWITCH ENABLED FLAG SET?
72 00232 001033	BNE	N5	: YES, GO TO NORMAL RAM LOAD PROC.
73 00234 012700	MOV	#8.,R0	: INITIALIZE SENSOR ALERT NO. PTR
74 00240 122767	CMPB	#20.TEMP1+3	: IS KEY OFF AND MOVING
75 00246 001422	BEQ	N4	: YES, DECLARE ALERT #8
76 00250 062700	ADD	#2.R0	: UPDATE PTR
77 00254 122767	CMPB	#60.TEMP1+3	: IS RIGHT DOOR OPEN AND MOVING?
78 00262 001414	BEQ	N4	: YES, DECLARE ALERT #10
79 00264 062700	ADD	#2.R0	: UPDATE PTR
80 00270 122767	CMPB	#44.TEMP1+3	: IS RIGHT DOOR AND LEFT DOOR OPEN?
81 00276 001406	BEQ	N4	: YES, DECLARE ALERT #12
82 00300 005200	INC	R0	: UPDATE PTR
83 00302 122767	CMPB	#41.TEMP1+3	: IS RIGHT DOOR OPEN AND KEY ON?
84 00310 001401	BEQ	N4	: YES, DECLARE ALERT #13
85 00312 000472	BR	N6	: GO TO CARGO DOOR RELATED TESTS
86	:		
87 00314 004567 N4:	JSR	R5.ALERT	: OUTPUT COMMANDS
88 00320 000467	BR	N6	: GO TO DOOR TEST
89	:		
90	:		
91	:		
92 00322 016700 N5:	MOV	AINPUT,R0	: STORE SENSOR DATA IN INBUF
93 00326 116760	MOV	TEMP1+3.5(R0)	: SAVE DATA
94 00334 010067	MOV	R0.INBUF	: STORE ADDRESS
95 00340 062767	ADD	#2.INBUF	: SET POINTER
96 00346 010146	MOV	R1.-(SP)	: SAVE
97 00350 010046	MOV	R0.-(SP)	: REGISTERS
98 00352 016704	MOV	IN1,R4	: GET VREF ADDRESS
99 00356 062704	ADD	#2.R4	: POINT TO RAMLOAD
100 0362 012703	MOV	#RAMLOD,R3	: GET ROUTINE ADDRESS
101 0366 012423	MOV	(R4)+,(R3)+	: TRANSFER RAMLOAD
102 0370 012423	MOV	(R4)+,(R3)+	
103 0372 012423	MOV	(R4)+,(R3)+	
104 0374 012423	MOV	(R4)+,(R3)+	
105 0376 004567	JSR	R5.RTEST	: TEST FOR RAMLOAD ALERT
106 0402 000401	BR	NSA	: ALERT DECLARED, TEST FOR ALARM

```

107 0404 000433      BR      NSC      ; NO. ALERT GO TO CARGO DOOR TST
108                  ;
109 0406 132767 N5A:  BITB     #10.TEMP1+3      ; IS CARGO DOOR OPEN
110 0414 001415      BEQ      N5B              ; NO. GO TO DELIVERY TEST
111 0416 132767      BITB     #20.TEMP1+3      ; IS MOTION SET?
112 0424 001411      BEQ      N5B              ; NO. GO TO DELIVERY TEST
113 0426 016700      MOV      AVSTAT,R0         ; GET VSTAT ADDRESS
114 0432 032760      BIT      #100.2(R0)        ; IS VEHICLE OUT OF ROUTE
115 0440 001116      BNE      N6B              ; NO. GO TO ALARM
116 0442 012600      MOV      (SP)+,R0         ; RESTORE
117 0444 012601      MOV      (SP)+,R1         ; REGISTERS
118 0446 000414      BR      N6                ; PROCESS ALERT DATA
119                  ;
120 0450 162700 N5B:  SUB      #RAMLOD,R0
121 0454 116067      MOVB     TAB-1(R0),TEMP1
122 0462 012600      MOV      (SP)+,R0         ; RESTORE
123 0464 012601      MOV      (SP)+,R1         ; REGISTERS
124 0466 016700      MOV      TEMP1,R0
125 0472 000476      BR      N6A              ; GO TO ALERT PROCESS
126                  ;
127 0474 012600 N5C:  MOV      (SP)+,R0         ; RESTORE
128 0476 012601      MOV      (SP)+,R1         ; REGISTERS
129                  ;
130                  ; TEST DOOR CLOSED
131                  ;
132 0500 132767 N6:   BITB     #10.TEMP1+3      ; IS CARGO DOOR CLOSED
133 0506 001534      BEQ      OUT              ; YES. GO TO RETURN
134 0510 012700      MOV      #16.,R0          ; INITIALIZE ALERT PTR
135 0514 016701      MOV      AVSTAT,R1        ; GET VSTAT ADDRESS
136 0520 132767      BITB     #20.TEMP1+3      ; IS VEHICLE IN MOTION
137 0526 001060      BNE      N6A              ; YES. DECLARE ALERT #16
138 0530 132761      BITB     #100.2(R1)        ; IS VEHICLE OUT-OF-ROUTE
139 0536 001061      BNE      N6BC             ; YES. DECLARE ALARM #2
140 0540 005200      INC      R0                ; UPDATE PTR
141 0542 016704      MOV      IN1,R4           ; GET VREF DATA ADDR
142 0546 132764      BITB     #2.36(R4)        ; IS SEAT ENABLED
143 0554 001404      BEQ      N601             ; NO. GO AROUND SEAT TEST
144 0556 122767      CMPB     #12.TEMP1+3      ; IS CARGO DOOR CLOSED AND SEAT MTY
145 0564 001441      BEQ      N6A              ; YES. DECLARE ALERT #17
146 0566 005200 N601: INC      R0                ; UPDATE PTR
147 0570 122767      CMPB     #14.TEMP1+3      ; IS CARGO DOOR OPEN AND LEFT DR OPN
148 0576 001434      BEQ      N6A              ; YES. DECLARE ALERT #18
149 0600 005200      INC      R0                ; UPDATE PTR
150 0602 122767      CMPB     #13.TEMP1+3      ; IS CARGO DOOR OPEN. KEY ON
151 0610 001427      BEQ      N6A              ; YES. DECLARE ALERT #19
152 0612 032761      BIT      #100.2(R1)        ; IS VEHICLE OUT OF ROUTE?
153 0620 001006      BNE      N602             ; YES. DO NOT CLEAR ALERT FLAGS
154 0622 042761      BIC      #22000.2(R1)     ; CLEAR ALERT AND ALARM BITS
155 0630 042761      BIC      #1000.12(R1)     ; CLEAR SENSOR ALERT BIT
156 0636 111167 N602: MOVB     (R1),BSCMD2     ; STORE
157 0642 111167      MOVB     (R1),DSCMD2     ; VEHICLE ID
158 0646 004567      JSR      R5,BASECD
159 0652 000 BSCMD2: .BYTE 0,0,2,0

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160 0656 004567 JSR R5,DSPCMD
161 0662 000000 DSCMD2: .WORD 0,2
162 0666 000444 BR OUT ; GETOUT
163 ;
164 0670 004567 N6A: JSR R5,ALERT ; PROCESS ALERT
165 0674 000441 BR OUT ; GETOUT
166 ;
167 0676 012600 N6B: MOV (SP)+,R0
168 0700 012601 MOV (SP)+,R1
169 0702 005000 N6BC: CLR R0 ; SET ALARM CODES
170 0704 052761 BIS #2000,2(R1) ; SET ALARM BIT IN VSTAT
171 0712 042761 BIC #20000,2(R1) ; CLEAR ALERT FLAG
172 0720 042761 BIC #1000,12(R1) ; CLEAR ALERT FLAG
173 0726 112767 MOVB #19,,BSCMD1+2
174 0734 112767 MOVB #11,,DSCMD1+2
175 0742 012767 MOV #1503,DTAST1
176 0750 004567 JSR R5,ALERT1 ; PROCESS
177 0754 112767 MOVB #14,,BSCMD1+2 ; SET ALERT CODES
178 0762 112767 MOVB #7,DSCMD1+2
179 0770 012767 MOV #102,DTAST1
180 0776 000400 BR OUT ; GETOUT
181 ;
182 ; CLEAN-UP AND GETOUT
183 ;
184 1000 004567 OUT: JSR R5,DELIVR ; GO TO DELIVERY PROCESSOR
185 1004 016767 MOV IN1,OUT1 ; STORE BUFR ADDR
186 1012 004567 JSR R5,RLSBUF ; RELEASE BUFR
187 1016 000000 OUT1: .WORD 0
188 1020 004567 OUT2: JSR R5,RSTREG ; RESTORE REGISTERS 0-4
189 1024 000205 RTS R5 ; RETURN
190 ;
191 ; INTERNAL SUBROUTINE FOR ALERT PROCESSING
192 ;
193 1026 052761 ALERT: BIS #20000,2(R1) ; SET ALERT BIT
194 1034 052761 BIS #1000,12(R1) ; SET ALERT FLAG
195 1042 042761 BIC #2000,2(R1) ; CLEAR ALARM FLAG
196 1050 110067 ALERT1: MOVB R0,BSCMD1+3 ; STORE
197 1054 110067 MOVB R0,DSCMD1+3 ; ALERT
198 1060 110067 MOVB R0,DTAST1+1 ; NO
199 1064 111167 MOVB (R1),BSCMD1 ; STORE
200 1070 111167 MOVB (R1),DSCMD1 ; VEHICLE
201 1074 111167 MOVB (R1),DTAST1+2 ; ID
202 1100 004567 JSR R5,BASECD ; BASE STATION CMD
203 1104 000 BSCMD1: .BYTE 0,0,14,,0
204 1110 004567 JSR R5,DSPCMD ; DISPATCH STATION CMD
205 1114 000 DSCMD1: .BYTE 0,0,7,0
206 1120 004567 JSR R5,DTASTR ; RECENT HISTORY CMD
207 1124 000102 DTAST1: .WORD 102,0,0
208 1132 000205 DOUT: RTS R5
209 ;
210 ; VARIABLES
211 ;
212 1134 000000 TEMP1: .WORD 0,0 ; INPUT DATA

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213 1140 017 TAB: .BYTE 17,15,13,14,12,16,10,11
214 ;
215 .SBTTL DELIVR
216 ;
217 ; DELIVR = DELIVERY FLAG PROCESSOR -- CARGO SECURITY
218 ;
219 ; OBJECT: TO TEST FOR VEHICLE MOTION AND CARGO DOOR STATUS TO
220 ; DETERMINE IF VEHICLE IS AT A DELIVERY STOP AND SET
221 ; OR CLEAR FLAG AS APPROPRIATE.
222 ;
223 .MCALL ..V2....REGDEF
224 1150 ..V2..
225 1150 .REGDEF
226 .NLIST BEX
227 ;
228 .GLOBL AVSTAT,AINPUT
229 ;
230 ; GET DATA, TEST INPUT FOR ENALBED AND SET/CLEAR DELIVERY FLAG
231 ;
232 1150 016700 DELIVR: MOV AVSTAT,R0 ; GET VSTAT ADDRESS
233 1154 016701 MOV AINPUT,R1 ; GET INPUT DATA ADDRESS
234 1160 016702 MOV IN1,R2 ; GET VREF ADDRESS
235 1164 132762 BITB #20,36(R2) ; IS MOTION ENABLED?
236 1172 001410 BEQ D1 ; NO, CLEAR DELIVERY FLAG
237 1174 132761 BITB #20,3(R1) ; IS MOTION SET ON INPUT
238 1202 001004 BNE D1 ; NO, CLEAR DELIVERY FLAG
239 1204 052760 BIS #100,26(R0) ; SET DELIVERY FLAG IN VSTAT
240 1212 000403 BR OUTX ; GETOUT
241 1214 042760 D1: BIC #100,26(R0) ; CLEAR DELIVERY FLAG IN VSTAT
242 1222 000205 OUTX: RTS R5 ; RETURN
243 ;
244 .SBTTL DRVALM
245 ;
246 ; DRVALM = DRIVER ALARM ACTIVATED PROCESSOR
247 ;
248 ; OBJECT: TO TEST IF ALARM PREVIOUSLYACTIVATED, IF NOT SET, DECLARE
249 ; ALARM AND OUTPUT ALL COMMANDS, IF CLEAR BUT CHANGE IN
250 ; STATE, UPDATE COMMANDS, IF NOT SET PREVIOUSLY AND STILL
251 ; NOT SET, EXIT.
252 ;
253 ; R0 CONTAINS ADDRESS OF INPUT DATA
254 ; AVSTAT CONTAINS ADDRESS OF VSTAT
255 ;
256 .MCALL ..V2....REGDEF
257 1224 ..V2..
258 1224 .REGDEF
259 .NLIST BEX
260 ;
261 .GLOBL DRVALM,FNDBUF,BASECD,GTVREF,RLSBUF,DSPCMD,DTASTR
262 .GLOBL AVSTAT,CTIME,AINPUT,TCBELL,GIBELL
263 ;
264 ; TEST INPUT DATA FOR CLEAR OR SET STATUS RELATIVE TO LAST INPUT
265 ;

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266 1224 004567 DRVALM: JSR    R5,FNDBUF      ; FIND AVAILABLE BUFFER
267 1230 000000 DR1:   .WORD    0            ; CONTAINS ADDRESS OF BUFFER
268 1232 005767      TST    DR1              ; IS BUFFER AVAILABLE
269 1236 001005      BNE     DRV1              ; YES, GO AROUND
270 1240 004567      JSR     R5,BASECD         ; NO. OUTPUT
271 1244      000      .BYTE    0,0.25.,53.    ; ERROR COMMAND
272 1250 000550      BR      RETN1A           ; RETURN
273 1252 016701 DRV1:  MOV     AVSTAT,R1        ; GET VSTAT ADDRESS
274 1256 010002      MOV     R0,R2              ; PRESERVE R0
275 1260 116103      MOVB    1(R1),R3          ; GET BLOCK NO.
276 1264 016704      MOV     DR1,R4            ; GET BUFR ADDR
277 1270 004567      JSR     R5,GTVREF         ; GET VREF
278 1274 005700      TST     R0                ; FOUND?
279 1276 001405      BEQ     DRV2              ; YES, GO AROUND
280 1300 004567      JSR     R5,BASECD         ; NO. OUTPUT
281 1304      000      .BYTE    0,0.25.,54.    ; ERROR CMD
282 1310 000522      BR      RETNA             ; RETURN
283 1312 032764 DRV2:  BIT     #40,36(R4)       ; IS SENSOR DISABLED
284 1320 001413      BEQ     DRV2A            ; YES, GET OUT
285 1322 016702      MOV     AINPUT,R2          ; GET ADDRESS
286 1326 032762      BIT     #40000,4(R2)      ; WAS THE ALARM SET ON INPUT WORD?
287 1334 001011      BNE     DRV3              ; YES, GO SET ALARM
288 1336 032761      BIT     #40000,6(R1)      ; WAS THE ALARM SET PREVIOUSLY?
289 1344 001046      BNE     DRV4              ; YES, TEST FOR BELL FLAG SET
290 1346 000503      BR      RETNA             ; GETOUT
291 1350 042762 DRV2A: BIC     #40000,4(R2)
292 1356 000477      BR      RETNA
293      ;
294      ; DECLARE DRIVER ALARM
295      ;
296 1360 032761 DRV3:  BIT     #40000,6(R1)      ; WAS ALARM DECLARED PREVIOUSLY?
297 1366 001073      BNE     RETNA             ; YES, GETOUT
298 1370 052761      BIS     #2000,2(R1)        ; DECLARE ALARM
299 1376 042761      BIC     #20000,2(R1)      ; CLEAR ALERT FLAG
300 1404 042761      BIC     #1000,12(R1)      ; CLEAR OTHER ALERT FLAG
301 1412 111167      MOVB    (R1),BSCMD3       ; STORE
302 1416 111167      MOVB    (R1),DSCMD3       ; VEHICLE
303 1422 111167      MOVB    (R1),DTA+2        ; ID
304 1426 004567      JSR     R5,BASECD         ; OUTPUT COMMANDS
305 1432      000      .BYTE    0,0.15.,3
306 1436 004567      JSR     R5,DSPCMD
307 1442      000      DSCMD3: .BYTE    0,0.8.,3
308 1446 004567      JSR     R5,DTASTR
309 1452      103      DTA:   .BYTE    103,3,0,0,0,0
310 1460 000436      BR      RETNA
311      ;
312      ; CLEAR DRIVER ALARM
313      ;
314      52 042761 DRV4:  BIC     #2000,2(R1)      ; CLEAR ALARM BIT IN VSTAT
315      7 111167      MOVB    (R1),BSCMD4       ; STORE
316      111167      MOVB    (R1),DSCMD4       ; VEHICLE ID
317      004567      JSR     R5,BASECD
318 1 1 000      BSCMD4: .BYTE    0,0.2,0

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319 1510 004567 JSR R5,DSPCMD
320 1514 000 DSCMD4: .BYTE 0,0,3,0
321 1520 032761 BIT #40,2(R1)
322 1526 001006 BNE DRV4A
323 1530 005367 DEC TCBELL
324 1534 100010 BPL RETNA
325 1536 005067 CLR TCBELL
326 1542 000405 BR RETNA
327 1544 005367 DRV4A: DEC GIBELL
328 1550 100002 BPL RETNA
329 1552 005067 CLR GIBELL
330 ;
331 ; GETOUT
332 ;
333 1556 016767 RETNA: MOV DR1,DR2 ; GET BUFR ADDR
334 1564 004567 JSR R5,RLSBUF ; RELEASE BUFR
335 1570 000000 DR2: .WORD 0
336 1572 000205 RETN1A: RTS R5 ; RETURN
337 ;
338 .SBTTL RPLSAK
339 ;
340 ; RPLSAK = RAMLOAD ACKNOWLEDGE -- CARGO SECURITY
341 ;
342 ; OBJECT: TO UPDATE POINTERS AND LOAD NEXT COMMAND OUT. IF DONE,
343 ; SEND COMPLETE MESSAGE TO BASE STATION.
344 ;
345 .MCALL ..V2....REGDEF
346 1574 ..V2..
347 1574 .REGDEF
348 .NLIST BEX
349 ;
350 .GLOBL SCHED,RPLSAK,CMD0,BASECD
351 .GLOBL RLOAD,CMDBUF,RVSTAT,RLCTR2,RLCTR3
352 ;
353 ; UPDATE POINTER AND OUTPUT NEXT ELEMENT TO VEHCMD. IF RAM LOAD
354 ; COMPLETE SEND COMPLETE MESSAGE TO BASE STATION PRINTER AND RESET
355 ; FLAGS AND POINTERS
356 ;
357 1574 016701 RPLSAK: MOV RLPTR1,R1 ; GET PTR TO NEXT COMMAND
358 1600 052767 BIS #400,SCHED
359 1606 012767 MOV #59,RLCTR3
360 1614 062701 ADD #RLOAD,R1 ; ADD OFFSET
361 1620 020127 CMP R1,RLPTR1 ; AT END?
362 1624 100010 BPL OUTY ; YES, GETOUT
363 1626 011167 MOV (R1),CMDBUF ; STORE CMD
364 1632 004567 JSR R5,CMD0 ; OUTPUT CMD
365 1636 062767 ADD #2,RLPTR1 ; INCREMENT PTR
366 1644 000442 BR OUTZ ; ALL DONE, EXIT
367 1646 016167 OUTY: MOV -2(R1),CMDBUF
368 1654 052767 BIS #3,CMDBUF
369 1662 042767 BIC #176000,CMDBUF
370 ; JSR R5,CMD0
371 1670 016701 MOV RVSTAT,R1 ; GET VSTAT ADDR

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372 1674 042767      BIC      #400,SCHED
373 1702 042761      BIC      #400,2(R1)          ; CLEAR ACKNOWLEDGE BIT
374 1710 042761      BIC      #120000,12(R1)       ; CLEAR RAM LOAD BITS
375 1716 111167      MOV8     (R1),BSCMD5          ; SAVE ID
376 1722 004567      JSR      R5,BASECD           ; OUTPUT COMPLETE CMD
377 1726      000 BSCMD5: .BYTE 0,0,17,,0          ;
378 1732 005067      CLR      RLPTR1              ; CLEAR PTR
379 1736 005067      CLR      RLCTR                ; CLEAR COUNTERS
380 1742 005067      CLR      RLCTR1
381 1746 005067      CLR      RLCTR2
382 1752 000205 OUTZ:  RTS      R5                  ; RETURN
383
384      .SBTTL  SCRAMB
385
386      ;
387      ; SCRAMB = SCRAMBLED RAM LOAD DETECTED -- CARGO SECURITY
388      ;
389      ; OBJECT: TO RESET PROCESSING FLAGS AND OUTPUT PREVIOUS COMMAND TO
390      ; VEHICLE UNIT. HANDLE INCOMPLETE FLAG LOGIC.
391      ;
392      ; .MCALL ..V2....REGDEF
393      ; ..V2...
394      ; .REGDEF
395      ; .NLIST BEX
396      ;
397      ; .GLOBL SCRAMB,CMD0,SAVREG,RSTREG,VALVID,FNDBUF,RLSBUF
398      ; .GLOBL SCHED,RLCTR2,LOAD,CMDBUF,RVSTAT
399      ; .GLOBL GTVREF,WTVREF,BASECD,RLCTR3
400      ;
401      ; TEST FOR VALID COMMAND, PROCESS COUNTERS
402 1754 005767 SCRAMB: TST      RLCTR2              ; IS RAM LOAD IN PROCESS?
403 1760 001551      BEQ      ERROR                  ; NO, ERROR CMD
404 1762 005367      DEC      RLCTR                  ; DECREMENT CTR AND TEST
405 1766 100425      BMI      BERROR                 ; NOT NEG., TRY AGAIN
406 1770 010046      MOV      R0,--(SP)              ; SAVE R0
407 1772 012700      MOV      #RLOAD,R0              ; GET LAST CMD
408 1776 012767      MOV      #2,RLPTR1              ; RESET POINTER
409 2004 016767      MOV      RLOAD,RLCTR2
410 2012 042767      BIC      #36000,RLCTR2
411 2020 012767      MOV      #59,,RLCTR3
412 2026 011067      MOV      (R0),CMDBUF            ; OUTPUT
413 2032 004567      JSR      R5,CMD0
414 2036 012600      MOV      (SP)+,R0              ; RESTORE R0
415 2040 000541      BR       OUTZ
416
417      ;
418      ; HAS HAD SCRAMBLED RAM LOAD 2 TIMES
419      ; COULD NOT LOAD RAM, RESET VSTAT DATA, SEND COMPL MSG AND ERROR MSG
420      ; BAD LOAD ERROR, PROBABLY WILL NOT WORK
421 2042 004567 BERROR: JSR      R5,SAVREG            ; SAVE REGISTERS
422 2046 042767      BIC      #400,SCHED
423 2054 016703      MOV      RLOAD,R3
424 2060 006203      ASR      R3                    ; GET ID
425      ; COMPENSATE FOR CMD

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425 2062 006203      ASR      R3
426 2064 006203      ASR      R3
427 2066 006203      ASR      R3
428 2070 042703      BIC      #177700,R3      ; CLEAR ALL BUT ID
429 2074 004567      JSR      R5,VALVID      ; FIND VSTAT
430 2100 005701      TST      R1      ; THERE?
431 2102 001007      BNE      B1      ; YES, GO AROUND
432 2104 010367      MOV      R3,BSCMD6      ; STORE VEHICLE ID
433 2110 004567      JSR      R5,BASECD      ; OUTPUT CMD
434 2114      000 BSCMD6: .BYTE      0,0,25,,61.
435 2120 000504      BR       BOUT1      ; GETOUT
436
437 2122 004567 B1:      JSR      R5,FNDBUF      ; FIND BUFR
438 2126 000000 BIN:      .WORD      0
439 2130 005767      TST      BIN      ; AVAILABLE?
440 2134 001007      BNE      B2      ; YES, GO AROUND
441 2136 011267      MOV      (R2),BSCMD7      ; OUTPUT ERROR
442 2142 004567 B1A:      JSR      R5,BASECD
443 2146      000 BSCMD7: .BYTE      0,0,25,,65.
444 2152 000467      BR       BOUT1      ; GETOUT
445
446 2154 010267 B2:      MOV      R2,RVSTAT      ; SAVE VSTAT ADDR
447 2160 116203      MOV      1(R2),R3      ; STORE BLK NO
448 2164 016704      MOV      BIN,R4      ; STORE BUFR ADDR
449 2170 105067      CLRB      BSCMD3
450 2174 004567      JSR      R5,GTVREF      ; GET VREF
451 2200 005700      TST      R0      ; THERE?
452 2202 001757      BEQ      B1A      ; NO, ERROR
453 2204 016702      MOV      RVSTAT,R2      ; GET VSTAT
454 2210 042762      BIC      #400,2(R2)      ; CLEAR ACKNOWLEDGE BIT
455 2216 052762      BIS      #2000,36(R2)      ; SET DISABLED SENSORS BIT
456 2224 042762      BIC      #120000,12(R2)      ; CLEAR RAM LOAD FLAGS
457 2232 042764      BIC      #76037,36(R4)      ; DISABLE SENSORS AND CMRS
458 2240 004567      JSR      R5,WTVREF      ; WRITE OUT VREF
459 2244 052762      BIS      #400,12(R2)      ; SET DISABLED SENSORS FLAG
460 2252 111267      MOV      (R2),BSCMD8      ; STORE ID
461 2256 004567      JSR      R5,BASECD      ; OUTPUT ERROR
462 2262      000 BSCMD8: .BYTE      0,0,25,,64.      ; TO BASE
463 2266 111267      MOV      (R2),DSCMD9
464 2272 004567      JSR      R5,BASECD      ; OUTPUT CMD
465 2276      000 DSCMD9: .BYTE      0,0,17,,0      ; TO CLEAR RAM LOAD DATA
466 2302 000405      BR       BOUT1      ; GETOUT
467
468      ; NO RAM PROCESSING ERROR
469
470 2304 004567 ERROR: JSR      R5,BASECD      ; OUTPUT ERROR CMD
471 2310      000      .BYTE      0,0,25,,67.
472 2314 000413      BR       BOUT1      ; GETOUT
473
474      ; CLEAN-UP AND GETOUT
475
476 2316 016767 BOUT:      MOV      BIN,BOUTB      ; RELEASE BUFR
477 2324 004567      JSR      R5,RLSBUF

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478 2330 000000 BOUTB: .WORD 0
479 2332 012767 BOUT1: MOV #59.,RLCTR3
480 2340 004567 JSR R5,RSTREG ; RESTORE REGISTERS
481 2344 000205 OUTQ: RTS R5 ; RETURN
482 ;
483 .SBTTL RLOADR
484 ;
485 ; RLOADR = VEHICLE UNIT RAM LOADER -- CARGO SECURITY
486 ;
487 ; OBJECT: TO LOAD RAM DATA STORE FROM VREF FILES UPON COMMAND FROM
488 ; THE BASE STATION. ONCE STARTED, THE RAM LOAD MUST COMPL.
489 ; WITH LESS THAN 8 SCRAMBLED MESSAGES OR AN ERROR IS DECLARED
490 ; AND THE RAM LOAD RESTARTED. IF STILL NOT COMPLETE, VEHICLE
491 ; RAM SENSORS ARE DISABLED AND DATA SENT TO PRINTER AND
492 ; VSTAT UPDATED TO INDICATE CHANGE IN STATUS. DRIVER
493 ; ALARM, CARGO DOOR, AND MOTION ARE LEFT IN NORMAL STATE.
494 ;
495 .MCALL ..V2....REGDEF
496 2346 ..V2...
497 2346 .REGDEF
498 .NLIST 9EX
499 ;
500 .GLOBL RLOADR,BASECD,FNDBUF,VALVID,GTVREF,SAVREG,RSTREG,CMD0
501 .GLOBL RLOAD,CMDBUF,RLCTR2,RLCTR3
502 .GLOBL SCHED,RLSBUF,RVSTAT
503 ;
504 ; TEST FOR RAM LOAD ALREADY IN PROCESS. OUTPUT ERROR MESSAGE IF SO
505 ;
506 2346 005767 RLOADR: TST RLCTR2 ; IS RAM LOAD IN PROCESS
507 2352 001406 BEQ RPROG1 ; NO. GO TO NORMAL PROGRAM
508 2354 004567 JSR R5,BASECD ; YES. OUTPUT ERROR MSG
509 2360 000 .BYTE 0,0,25,60.
510 2364 000167 RLO1: JMP RETN2 ; GETOUT
511 ;
512 ; TEST FOR VEHICLE IN NORMAL MODE
513 ;
514 2370 004567 RPROG1: JSR R5,VALVID ;
515 2374 010267 MOV R2,RVSTAT ;
516 2400 032762 BIT #1,2(R2) ;
517 2406 001007 BNE RPROG ;
518 2410 010367 MOV R3,BSCMDX
519 2414 004567 JSR R5,BASECD ;
520 2420 000 BSCMDX: .BYTE 0,0,25,63. ;
521 2424 000757 BR RLO1 ;
522 ;
523 ; GET VREF FILE AND LOAD DATA IN RLOAD. IF ANY PROBLEM, OUTPUT
524 ; ERROR MESSAGE AND RAM LOAD COMPLETE COMMAND TO BASE STATION
525 ; TO CLEAR PROCESSING.
526 ;
527 2426 116067 RPROG: MOVB 2(R0),BSCMDY ; STORE
528 2434 112767 MOVB #57.,BSCMDY+3 ; INITIALIZE ERROR POINTER
529 2442 004567 JSR R5,FNDBUF ; FIND AVAILABLE BUFR
530 2446 000000 RLIN: .WORD 0 ;

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531	2450	005767	TST	RLIN	; OK?
532	2454	001006	BNE	RL1	; YES. GO AROUND
533	2456	004567	RETN18: JSR	R5,BASECD	; CMD BASE STATION FOR ERROR
534	2462	000	BSCMDY: .BYTE	0,0,25,,0	
535	2466	000167	JMP	RETNB	; RETURN
536					
537	2472	010367	RL1: MOV	R3,DIN	; STORE ID
538	2476	105267	INCB	BSCMDY+3	; INCREMENT ERROR POINTER
539	2502	105267	INCB	BSCMDY+3	; INCREMENT ERROR POINTER
540	2506	116203	MOV	1(R2),R3	; STORE BLOCK NO.
541	2512	016704	MOV	RLIN,R4	; GET BUFR ADDR
542	2516	004567	JSR	R5,GTVREF	; GET VREF DATA
543	2522	005700	TST	R0	; IS FILE THERE?
544	2524	001354	BNE	RETN1B	; NO. ERROR
545	2526	004567	JSR	R5,SAVREG	; SAVE REGISTERS
546	2532	012702	MOV	#RLOAD,R2	; GET BUFR ADDR
547	2536	012703	MOV	#RLOAD+2,R3	
548	2542	016701	MOV	RVSTAT,R1	; GET ADDR OF VSTAT
549	2546	062704	ADD	#2,R4	; POINT TO FIRST WORD OF RAM LOAD
550	2552	111112	RL2: MOVB	(R1),(R2)	; GET
551	2554	111113	MOVB	(R1),(R3)	; VEHICLE ID
552	2556	006312	ASL	(R2)	; SHIFT TO
553	2560	006312	ASL	(R2)	; BYTE BOUNDARY
554	2562	006313	ASL	(R3)	; FOR NEXT
555	2564	006313	ASL	(R3)	; TWO CMD WORDS
556	2566	111462	MOVB	(R4),1(R2)	; GET BYTE OF DATA
557	2572	042712	BIC	#170003,(R2)	; CLEAR NON ESSENTIAL BITS
558	2576	006312	ASL	(R2)	; SHIFT UP 2 MORE BITS
559	2600	006312	ASL	(R2)	
560	2602	112400	MOVB	(R4)+,R0	; GET BYTE OF DATA
561	2604	006200	ASR	R0	; SHIFT DOWN FOUR BITS
562	2606	006200	ASR	R0	
563	2610	006200	ASR	R0	
564	2612	006200	ASR	R0	
565	2614	042700	BIC	#177760,R0	; CLEAR NON-DATA BITS
566	2620	110063	MOVB	R0,1(R3)	; STORE IN NEXT WORD
567	2624	020227	CMP	R2,#RLOAD+30	; HAS THE 7TH WORD BEEN LOADED?
568	2630	100002	BPL	RL3	; YES. CONTINUE
569	2632	042713	BIC	#176003,(R3)	; CLEAR NON-ESSENTIAL BITS
570	2636	042713	RL3: BIC	#170003,(R3)	; CLEAR NON-ESSENTIAL BITS
571	2642	006313	ASL	(R3)	; SHIFT UP 2 BITS
572	2644	006313	ASL	(R3)	
573	2646	062702	ADD	#4,R2	; POINT TO NEXT
574	2652	062703	ADD	#4,R3	; WORD OF BUFR
575	2656	020227	CMP	R2,#RLPTR1	; AT END
576	2662	100733	BMI	RL2	; NO. TRY AGAIN
577	2664	012704	MOV	#RLOAD,R4	
578	2670	042714	BIC	#4000,(R4)	
579	2674	062704	ADD	#20,R4	
580	2700	042714	BIC	#2000,(R4)	
581	2704	062704	ADD	#4,R4	
582	2710	042724	BIC	#2000,(R4)+	
583	2714	052724	BIS	#6000,(R4)+	

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584 2720 052724      BIS      #2000,(R4)+
585 2724 042724      BIC      #6000,(R4)+
586 2730 042724      BIC      #2000,(R4)+
587 2734 004567      JSR      R5,RSTREG          ; YES, RESTORE REGISTERS
588                  ;
589                  ; SET PROCESSING FLAGS, POINTERS AND LOAD FIRST COMMAND WORD
590                  ;
591 2740 012767      MOV      #2,RLPTR1          ; SET BUFFER POINTER TO NEXT WD
592 2746 016700      MOV      RVSTAT,R0         ; GET VSTAT ADDR
593 2752 052760      BIS      #120000,12(R0)    ; SET RAM LOAD IN PROCESS FLAGS
594 2760 105767      TSTB     RLCTR+1
595 2764 001404      BEQ      RL4
596 2766 105367      DECB     RLCTR
597 2772 100434      BMI      RETNBA
598 2774 000403      BR       RL5
599 2776 012767 RL4:  MOV      #7.,RLCTR          ; INITIALIZE SCRAMBLED MSG CTR
600 3004 012767 RL5:  MOV      #1,RLCTR1         ; INITIALIZE TIMES TRIED COUNTER
601 3012 016767      MOV      RLOAD,RLCTR2
602 3020 042767      BIC      #36000,RLCTR2
603 3026 052767      BIS      #400,SCHED
604 3034 012767      MOV      #59.,RLCTR3
605 3042 052760      BIS      #400,2(R0)         ; SET ACKNOWLEDGE PENDING FLAG
606 3050 016767      MOV      RLOAD,CMDBUF      ; LOAD CMD WORD
607 3056 004567      JSR      R5,CMD0          ; OUTPUT CMD TO BUFR
608 3062 000421      BR       RETNB
609                  ;
610                  ; CLEAN-UP AND RETURN
611                  ;
612 3064 042767 RETNBA: BIC      #400,SCHED
613 3072 042760      BIC      #400,2(R0)
614 3100 052760      BIS      #2000,26(R0)
615 3106 005067      CLR      RLCTR
616 3112 005067      CLR      RLPTR1
617 3116 005067      CLR      RLCTR1
618 3122 005067      CLR      RLCTR2
619 3126 005767 RETNB: TST      RLIN              ; IS ADDR BFR 0
620 3132 001406      BEQ      RETN2              ; YES, GETOUT
621 3134 016767      MOV      RLIN,RLOUT        ; RELEASE
622 3142 004567      JSR      R5,RLSBUF        ; BUFR
623 3146 000000 RLOUT: .WORD    0              ; AREA
624 3150 000205 RETN2: RTS      R5              ; RETURN
625                  ;
626                  ; VARIABLES
627                  ;
628 3152 000000 DIN:   .WORD    0              ; INPUT DATA ADDRESS
629                  ;
630      000001      .END

```

AINPUT= ***** G
AVSTAT= ***** G
BIN 002126R
BOUT1 002332R
BSCMD1 001104R
BSCMD4 001504R
BSCMD7 002146R
B1A 002142R
CMD0 = ***** G
DIN 003152R
DRV1 001252R
DRV3 001360R
DR1 001230R
DSCMD2 000662R
DSCMD9 002276R
DTASTR= ***** G
ERROR 002304R
GTVREF= ***** G
NORMSN 000000RG
N2A 000176R
N5 000322R
N5C 000474R
N6B 000676R
N602 000636R
OUTX 001222R
OUT1 001016R
RAMLOD= ***** G
RETNBA 003064R
RETN2 003150R
RLCTR2= ***** G
RLOAD = ***** G
RLO1 002364R
RL1 002472R
RL4 002776R
RPROG 002426R
RTEST = ***** G
R0 =%000000
R3 =%000003
SAVREG= ***** G
SP =%000006
TEMP1 001134R
...V2 = 000001
. ABS. 000000 000
003154 001
ERRORS DETECTED: 0
FREE CORE: 17420. WORDS

ALERT 001026R
BASECD= ***** G
BOUT 002316R
BSCMDX 002420R
BSCMD2 000652R
BSCMD5 001726R
BSCMD8 002262R
B2 002154R
CTIME = ***** G
DOUT 001132R
DRV2 001312R
DRV4 001462R
DR2 001570R
DSCMD3 001442R
DSPCMD= ***** G
DTAST1 001124R
FNDBUF= ***** G
INBUF = ***** G
N1 000050R
N3 000224R
N5A 000406R
N6 000500R
N6BC 000702R
OUT 001000R
OUTY 001646R
OUT2 001020R
RETNA 001556R
RETNA 001572R
RLCTR = ***** G
RLCTR3= ***** G
RLOADR 002346RG
RLPTR1= ***** G
RL2 002552R
RL5 003004R
RPROG1 002370R
RVREF = ***** G
R1 =%000001
R4 =%000004
SCHED = ***** G
TAB 001140R
VALVID= ***** G

ALERT1 001050R
BERROR 002042R
BOUTB 002330R
BSCMDY 002462R
BSCMD3 001432R
BSCMD6 002114R
B1 002122R
CMDBUF= ***** G
DELIVR 001150RG
DRVALM 001224RG
DRV2A 001350R
DRV4A 001544R
DSCMD1 001114R
DSCMD4 001514R
DTA 001452R
D1 001214R
GIBELL= ***** G
IN1 000024R
N2 000110R
N4 000314R
N5B 000450R
N6A 000670R
N601 000566R
OUTQ 002344R
OUTZ 001752R
PC =%000007
RETNB 003126R
RETNI8 002456R
RLCTR1= ***** G
RLIN 002446R
RLOUT 003146R
RLSBUF= ***** G
RL3 002636R
RPLSAK 001574RG
RSTREG= ***** G
RVSTAT= ***** G
R2 =%000002
R5 =%000005
SCRAMB 001754RG
TCBELL= ***** G
WTVREF= ***** G

...V2	1-12#	1-224#	1-257#	1-346#	1-392#	1-496#	
AINPUT	1-18#	1-92	1-229#	1-233	1-262#	1-285	
ALERT	1-87	1-164	1-193#				
ALERT1	1-176	1-196#					
AVSTAT	1-18#	1-35	1-113	1-135	1-228#	1-232	1-262#
	1-273						
B1	1-431	1-437#					
B1A	1-442#	1-452					
B2	1-440	1-446#					
BASECD	1-16#	1-31	1-41	1-158	1-202	1-261#	1-270
	1-280	1-304	1-317	1-350#	1-376	1-398#	1-433
	1-442	1-461	1-464	1-470	1-500#	1-508	1-519
	1-533						
BERROR	1-405	1-421#					
BIN	1-438#	1-439	1-448	1-476			
BOUT	1-466	1-476#					
BOUT1	1-435	1-444	1-479#				
BOUTB	1-476*	1-478#					
BSCMD1	1-173*	1-177*	1-196*	1-199*	1-203#		
BSCMD2	1-156*	1-159#					
BSCMD3	1-301*	1-305#	1-449*				
BSCMD4	1-315*	1-318#					
BSCMD5	1-375*	1-377#					
BSCMD6	1-432*	1-434#					
BSCMD7	1-441*	1-443#					
BSCMD8	1-460*	1-462#					
BSCMDX	1-518*	1-520#					
BSCMDY	1-527*	1-528*	1-534#	1-538*	1-539*		
CMDBUF	1-351#	1-363*	1-367*	1-368*	1-369*	1-397#	1-412*
	1-501#	1-606*					
CMDO	1-350#	1-364	1-396#	1-413	1-500#	1-607	
CTIME	1-262#						
D1	1-236	1-238	1-241#				
DELIVR	1-17#	1-184	1-232#				
DIN	1-537*	1-628#					
DOUT	1-208#						
DR1	1-267#	1-268	1-276	1-333			
DR2	1-333*	1-335#					
DRV1	1-269	1-273#					
DRV2	1-279	1-283#					
DRV2A	1-284	1-291#					
DRV3	1-287	1-296#					
DRV4	1-289	1-314#					
DRV4A	1-322	1-327#					
DRVALM	1-261#	1-266#					
DSCMD1	1-174*	1-178*	1-197*	1-200*	1-205#		
DSCMD2	1-157*	1-161#					
DSCMD3	1-302*	1-307#					
DSCMD4	1-316*	1-320#					
DSCMD9	1-463*	1-465#					
DSPCMD	1-17#	1-160	1-204	1-261#	1-306	1-319	
DTA	1-303*	1-309#					
DTAST1	1-175*	1-179*	1-198*	1-201*	1-207#		
DTASTR	1-17#	1-206	1-261#	1-308			
ERROR	1-403	1-470#					
FNDBUF	1-16#	1-27	1-261#	1-266	1-396#	1-437	1-500#

	1-529						
GIBELL	1-262*	1-327*	1-329*				
GTVREF	1-17#	1-38	1-261#	1-277	1-398#	1-450	1-500#
	1-542						
IN1	1-28#	1-29	1-37	1-98	1-141	1-185	1-234
INBUF	1-18#	1-94*	1-95*				
N1	1-30	1-35#					
N2	1-40	1-45#					
N2A	1-57	1-65#					
N3	1-55	1-71#					
N4	1-60	1-63	1-66	1-69	1-75	1-78	1-81
	1-84	1-87#					
N5	1-72	1-92#					
N5A	1-106	1-109#					
N5B	1-110	1-112	1-120#				
N5C	1-107	1-127#					
N6	1-70	1-85	1-88	1-118	1-132#		
N601	1-143	1-146#					
N602	1-153	1-156#					
N6A	1-125	1-137	1-145	1-148	1-151	1-164#	
N6B	1-115	1-167#					
N6BC	1-139	1-169#					
NORMSN	1-16#	1-24#					
OUT	1-43	1-133	1-162	1-165	1-180	1-184#	
OUT1	1-185*	1-187#					
OUT2	1-33	1-188#					
OUTQ	1-415	1-472	1-481#				
OUTX	1-240	1-242#					
OUTY	1-362	1-367#					
OUTZ	1-366	1-382#					
RAMLOD	1-18#	1-100	1-120				
RETN1A	1-272	1-336#					
RETN1B	1-533#	1-544					
RETN2	1-510	1-620	1-624#				
RETNA	1-282	1-290	1-292	1-297	1-310	1-324	1-326
	1-328	1-333#					
RETNB	1-535	1-608	1-619#				
RETNBA	1-597	1-612#					
RL1	1-532	1-537#					
RL2	1-550#	1-576					
RL3	1-568	1-570#					
RL4	1-595	1-599#					
RL5	1-598	1-600#					
RLCTR	1-18#	1-379*	1-404*	1-594	1-596*	1-599*	1-615*
RLCTR1	1-18#	1-380*	1-600*	1-617*			
RLCTR2	1-351#	1-381*	1-397#	1-402	1-409*	1-410*	1-501#
	1-506	1-601*	1-602*	1-618*			
RLCTR3	1-351#	1-359*	1-398#	1-411*	1-479*	1-501#	1-604*
RLIN	1-530#	1-531	1-541	1-619	1-621		
RL01	1-510#	1-521					
RLOAD	1-351#	1-360	1-397#	1-407	1-409	1-423	1-501#
	1-546	1-547	1-567	1-577	1-601	1-606	
RLOADR	1-500#	1-506#					
RL0UT	1-621*	1-623#					
RLPTR1	1-18#	1-357	1-361	1-365*	1-378*	1-408*	1-575
	1-591*	1-615*					
RLSBUF	1-16#	1-186	1-261#	1-334	1-396#	1-477	1-502#

	1-622						
RPLSAK	1-350#	1-357#					
RPROG	1-517	1-527#					
RPROG1	1-507	1-514#					
RSTREG	1-16#	1-188	1-396#	1-480	1-500#	1-587	
RTEST	1-17#	1-105					
RVREF	1-18#						
RVSTAT	1-351#	1-371	1-397#	1-446*	1-453	1-502#	1-515*
	1-548	1-592					
SAVREG	1-16#	1-24	1-396#	1-421	1-500#	1-545	
SCHED	1-350#	1-358*	1-372*	1-397#	1-422*	1-502#	1-603*
	1-612*						
SCRAMB	1-396#	1-402#					
TAB	1-121	1-213#					
TCBELL	1-262#	1-323*	1-325*				
TEMP1	1-25*	1-26*	1-48*	1-59	1-62	1-65	1-68
	1-74	1-77	1-80	1-83	1-93	1-109	1-111
	1-121*	1-124	1-132	1-136	1-144	1-147	1-150
	1-212#						
VALVID	1-396#	1-429	1-500#	1-514			
WTVREF	1-398#	1-458					

...CM1	1-12*	1-224*	1-257*	1-346*	1-392*	1-496*
...CM2	1-12*	1-224*	1-257*	1-346*	1-392*	1-496*
...CM3	1-12*	1-224*	1-257*	1-346*	1-392*	1-496*
...CM4	1-12*	1-224*	1-257*	1-346*	1-392*	1-496*
..V2..	1-11*	1-12	1-223*	1-224	1-256*	1-257 1-345*
	1-346	1-391*	1-392	1-495*	1-496	
.REGDE	1-11*	1-13	1-223*	1-225	1-256*	1-258 1-345*
	1-347	1-391*	1-393	1-495*	1-497	

.....

SECTION A.4

This section contains the following source listings of modules and subroutines which comprise the Dispatch Station Display/Control:

Module

Subroutine

DSECP

DSFMTR

RAMLDD

DSEDT

DOLAY1

DSPCP RT-11 MICRO VM02-10 00:43:39
TABLE OF CONTENTS

1- 2 DSUBS1
1-178 DSFMTR

```

1      .TITLE  DSPCP
2      .SBTTL  DSUBS1
3
4      ; DISPATCH STATION CRT KEYBOARD EDIT SUBROUTINES
5
6      ;
7      .MCALL ..V2....REGDEF
8 000000      ..V2...
9 000000      .REGDEF
10
11      ;
12      .GLOBL  PDTC5,PDTC3,MOVC5,MOVC3,DSFLAG,DISADR
13      .GLOBL  FNDBUF,RLSBUF,S202,S203,VID,TCO,DSFMTR,BASECD
14      .GLOBL  S204,S205,S206,S300X,S300Y,S300Z1,CONV1,OUTLOC,S300Z
15      .GLOBL  DFLGT1,DFLGG1,SAVREG,RSTREG,ADDRES,GBFCMD,CRFLG1,CRFLG2
16      .GLOBL  RLD1,RLD2,S200,S209,S226,DSFLG3,DSFLG4,DSFLG5,DSFLG6
17      .GLOBL  VSTADR,IFLAG1,IFLAG3,MODEL,LICENS,ROUTES,RALARM
18      .GLOBL  MODE,VEHNUM,TELOUT,S300Z,COLOR,S200C,MAKE,NORMAL
19
20      ;*****
21      ;
22      ; SUB-PROCESS      200      OUTPUT SUBR EXECUTION CMDS TO DISPATCH STATION AND SET BUSY FLG
23      ;
24      ;*****
25 000000 062767 S200:  ADD      #2,ADDRES      ; UPDATE RETURN POINTER
26 000006 017700      MOV      @ADDRES,R0      ; MOVE CONTENTS OF ADDRESS IN ADDRES TO R0
27 000012 005300      DEC      R0              ; DECREMENT
28 000014 006300      ASL      R0
29 000016 006300      ASL      R0
30 000020 012701      MOV      #61,R1
31 000024 005301 S200D:  DEC      R1
32 000026 100376      BPL      S200D
33 000030 062700 S200C:  ADD      #TAB1,R0      ; ADD OFFSET
34 000034 012701      MOV      #OUT1+1,R1      ; GET OUTPUT ADDR
35 000040 112021      MOV      (R0)+,(R1)+      ; STORE COMMAND
36 000042 112021      MOV      (R0)+,(R1)+
37 000044 112021      MOV      (R0)+,(R1)+
38 000046 004577      JSR      R5,@DISADR      ; OUTPUT COMMAND
39 000052 000162      .WORD    OUT1,4,1
40 000060 005767      TST      TCO              ; WHICH TRUCKING CO.?
41 000064 001411      BEQ      S200B            ; TRANSCON, GO AROUND
42 000066 012767      MOV      #1,CRFLG2      ; SET UP RETURN FOR GI
43 000074 005067      CLR      DFLGG1
44 00100 052767      BIS      #100,PDTC3      ; SET BUSY FLAG
45 00106 000410      BR       S200A            ; GET OUT
46 00110 012767 S200B:  MOV      #1,CRFLG1      ; SET UP RETURN FOR TRANSCON
47 00116 005067      CLR      DFLGT1
48 00122 052767      BIS      #100,PDTC5      ; SET BUSY FLAG
49 00130 000205 S200A:  RTS      R5              ; RETURN
50
51 00132      102 TAB1:  .ASCII  /BF10BF20BF30BF60BF70BF80/
52 00162      107 OUT1:  .ASCII  /G000/
53      ;*****

```

54
55 ; SUB-PROCESS 202 OUTPUT CR TO DISPATCH STATION # 1
56 ;

57 ;*****
58 00166 004567 S202: JSR R5,MOVCS
59 00172 000356 .WORD CR,2,1
60 00200 005067 CLR IFLAG1
61 00204 032767 BIT #1000,PDTCS
62 00212 001406 BEQ S202A
63 00214 042767 BIC #1000,PDTCS
64 00222 005267 INC DSFLG5
65 00226 000403 BR S202B
66 00230 042767 S202A: BIC #600,PDTCS
67 00236 005067 S202B: CLR RLD1
68 00242 112767 MOVB #1,GBFCMD
69 00250 005067 CLR DSFLG3
70 00254 105267 INCB DSFLAG
71 00260 000205 RTS R5

72 ;*****
73 ;
74 ; SUBPROCESS 203 OUTPUT CR TO DISPATCH STATION # 2
75 ;

76 ;*****
77 00262 004567 S203: JSR R5,MOVCS
78 00266 000356 .WORD CR,2,1
79 00274 005067 CLR IFLAG3
80 00300 032767 BIT #1000,PDTCS
81 00306 001406 BEQ S203A
82 00310 042767 BIC #1000,PDTCS
83 00316 005267 INC DSFLG6
84 00322 000403 BR S203B
85 00324 042767 S203A: BIC #600,PDTCS
86 00332 005067 S203B: CLR RLD2
87 00336 112767 MOVB #1,GBFCMD+1
88 00344 005067 CLR DSFLG4
89 00350 105267 INCB DSFLAG
90 00354 000205 RTS R5
91 00356 060 CR: .BYTE 60,15

92 ;*****
93 ;
94 ; SUB-PROCESS 204 OUTPUT CURSOR CONTROL COMMAND TO DISPATCH
95 ;

96 ;*****
97 00360 004567 S204: JSR R5,MOVCS
98 00364 000452 .WORD CURSOR,3,1
99 00372 105267 INCB DSFLAG
100 0376 000205 RTS R5

101 ;*****
102 ;
103 ; SUB-PROCESS 205 OUTPUT CURSOR CONTROL COMMAND TO DISPATCH
104 ;

105 ;*****
106 0400 004567 S205: JSR R5,MOVCS

```

107 0404 000452' .WORD CURSOR,3,1
108 0412 105267 INCB DSFLAG
109 0416 000205 RTS R5
110 ;*****
111 ;
112 ; SUB-PROCESS 206 ASSIGN PDTC VALUE
113 ;
114 ;*****
115 0420 017700 S206: MOV @ADDRESS,R0
116 0424 062700 ADD #4,R0
117 0430 005767 TST TCO
118 0434 001403 BEQ S206A
119 0436 012710 MOV #PDTC3,(R0)
120 0442 000402 BR S206B
121 0444 012710 S206A: MOV #PDTC5,(R0)
122 0450 000205 S206B: RTS R5
123 0452 003 CURSOR: .BYTE 3,120,104,0
124 ;*****
125 ;
126 ; SUP PROCESS 209 OUTPUT ERROR COMMAND TO BASE STATION PRINTER
127 ;
128 ;*****
129 0456 062767 S209: ADD #2,ADDRESS ; INCREMENT POINTER
130 0464 117767 MOVB @ADDRESS,S209A+3 ; STORE ERROR NO.
131 0472 004567 JSR R5,BASECD ; CMD PRINTER
132 0476 000 S209A: .BYTE 0,0,20,0
133 0502 000205 RTS R5 ; RETURN
134 ;*****
135 ;
136 ; SUBPROCESS 226 OUTPUT VEHICLE NO. TO DISPATCH STA., FOR SS UPDATE
137 ;
138 ;*****
139 0504 016767 S226: MOV VID,S226C ; STORE VEHICLE NO.
140 0512 012701 MOV #10000,R1
141 0516 005301 S226X: DEC R1
142 0520 100376 BPL S226X
143 0522 005767 TST TCO
144 0526 001420 BEQ S226A ; YES, GO TO TRANSCON
145 0530 006267 ASR S226C ; DIVIDE BY 2
146 0534 004567 JSR R5,DSFMTR ; FORMAT DATA
147 0540 000634' .WORD S226C,1,263,1
148 0550 005067 CLR DFLGG1
149 0554 005267 INC RLD2 ; SET RAMLOAD FLAG
150 0560 052767 BIS #200,PDTC3 ; SET SS PENDING FLAG
151 0566 000421 BR S226B
152 0570 006267 S226A: ASR S226C ; DIVIDE BY 2
153 0574 005267 INC S226C ; ADD OFFSET
154 0600 004567 JSR R5,DSFMTR ; FORMAT DATA
155 0604 000634' .WORD S226C,1,263,0
156 0614 005067 CLR DFLGT1
157 0620 005267 INC RLD1 ; SET RAMLOAD FLAG
158 0624 052767 BIS #200,PDTC5 ; SET SS PENDING FLAG
159 0632 000205 S226B: RTS R5 ; RETURN

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160 0634 000000 S226C: .WORD 0
161 0636 000402 S300X: .WORD 402,10400,500,10004,10020,10001,11,21,410,101,120,104
162 0666 117 S300Y: .ASCII /O. K. PENDINGALARM RALERT ALERT /
163 0732 000 S300Z: .BYTE 0,146,0,0,0,0,0,0,0,0,0,0,0
164 0751 044 S300Z1: .ASCII /$$$$$ /
165 0760 000003 CONV1: .WORD 3,CONV1+10,0,0,9.
166 0772 040 VEHNUM: .ASCII / $/
167 1002 040 OUTLOC: .ASCII /
168 1042 040 TELOUT: .ASCII / $0/
169 1060 040 COLOR: .ASCII / /
170 1062 040 MAKE: .ASCII / $/
171 1072 040 MODEL: .ASCII / $/
172 1102 040 LICENS: .ASCII / $ $/
173 1122 040 ROUTES: .ASCII / $/
174 1132 040 MODE: .ASCII / $/
175 1142 116 NORMAL: .ASCII /NORMAL $/
176 1152 122 RALARM: .ASCII /RALARM $/
177 ;
178 .SBTTL DSFMTR
179 ;
180 ; DSFMTR = DISPATCH MODULE HEXIDECIMAL FORMATTER
181 ;
182 ; OBJECT: TO FORMAT AND OUTPUT DATA FIELD TO SELECTABLE DISPATCH
183 ; STATION.
184 ;
185 ; CALL FORMAT:
186 ; JSR R5,DSFMTR
187 ; .WORD ADDR OF DATA FIELD
188 ; .WORD # OF CHAR.(BINARY)
189 ; .WORD RAM ADDR
190 ; .WORD LOCATION (TRANSCON = 0, GI = 1)
191 ;
192 ;
193 ; .GLOBL DSFMTR,SAYREG,RSTREG,FNDBUF,MOVC5,MOVC3,RLSBUF
194 ; .GLOBL HEADR1
195 ;
196 ; STORE INPUT PARAMETERS AND SAVE REGISTERS
197 ;
198 1162 012567 DSFMTR: MOV (R5)+,ADDR1
199 1166 012567 MOV (R5)+,NCHARS
200 1172 012567 MOV (R5)+,RADDR1
201 1176 012567 MOV (R5)+,TYPE
202 1202 010546 MOV R5,-(SP)
203 1204 004567 JSR R5,SAYREG
204 ;
205 ; GET BUFR AND LOAD DATA
206 ;
207 1210 004567 JSR R5,FNDBUF ; FIND BUFR
208 1214 000000 BUFAD: .WORD 0 ; ADDR OF BUFR
209 1216 005767 TST BUFAD ; VALID?
210 1222 001547 BEQ ERROR
211 1224 016704 MOV BUFAD,R4 ; GET ADDR
212 1230 116724 MOV8 NCHARS,(R4)+ ; NO. OF CHAR.

```


213 1234 116724	MOVB	RADDR1, (R4)+	; DISPATCH STATION RAM ADDRESS
214 1240 116724	MOVB	RADDR1+1, (R4)+	; OTHER BYTE
215 1244 105024	CLRB	(R4)+	; CLEAR NEXT BYTE
216 1246 016701	MOV	ADDR1, R1	; GET ADDRESS OF DATA FIELD
217 1252 016702	MOV	NCHARS, R2	; GET NO. OF CHARS
218 1256 060102	ADD	R1, R2	; POINT TO END
219 1260 112124 DS1A:	MOVB	(R1)+, (R4)+	; STORE DATA
220 1262 020102	CMP	R1, R2	; AT END?
221 1264 100775	BMI	DS1A	; NO, TRY AGAIN
222 1266 105014	CLRB	(R4)	; CLEAR LAST BYTE
223 1270 016703	MOV	BUFAD, R3	; GET BUFFER ADDRESS
224 1274 004567	JSR	R5, CKSUMR	; COMPUTE CHECK SUM
225 1300 016704	MOV	BUFAD, R4	; GET BUFFER ADDRESS
226 1304 012701	MOV	#HEADR1+10, R1	; GET HEADR ADDRESS END
227 1310 012702	MOV	#HEADR1, R2	; GETHEADER DAT ADDRESS
228 1314 012224 DS1:	MOV	(R2)+, (R4)+	; TRANSFER DATA
229 1316 020201	CMP	R2, R1	; AT END?
230 1320 100775	BMI	DS1	; NO, TRY AGAIN
231 1322 012701	MOV	#NCHARS, R1	; GET CHARS ADDR
232 1326 004567	JSR	R5, HCONVR	; CONVERT TO HEX/ASCII
233 1332 010024	MOV	R0, (R4)+	; STORE HEX/ASCII DATA
234 1334 012701	MOV	#RADDR1, R1	
235 1340 004567	JSR	R5, HCONVR	
236 1344 010024	MOV	R0, (R4)+	
237 1346 005201	INC	R1	
238 1350 004567	JSR	R5, HCONVR	
239 1354 010024	MOV	R0, (R4)+	
240 1356 012724	MOV	#30060, (R4)+	
241 1362 005003	CLR	R3	
242 1364 016701 DS2:	MOV	ADDR1, R1	
243 1370 060301	ADD	R3, R1	
244 1372 004567	JSR	R5, HCONVR	
245 1376 010024	MOV	R0, (R4)+	
246 1400 005203	INC	R3	
247 1402 020367	CMP	R3, NCHARS	
248 1406 100766	BMI	DS2	
249 1410 016724	MOV	TEMP2, (R4)+	
250 1414 012702	MOV	#TRALR2+11, R2	; GET ADDR OF TRAILER END
251 1420 012701	MOV	#TRALR2, R1	; GET ADDRESS OF TRALER START
252 1424 112124 DS3:	MOVB	(R1)+, (R4)+	; STORE TRAILER DATA
253 1426 020102	CMP	R1, R2	
254 1430 100775	BMI	DS3	
255 1432 166704	SUB	BUFAD, R4	; GET TOTAL NO OF CHARS
256 1436 005767	TST	TYPE	; TRANSCON?
257 1442 001013	BNE	DS4	; NO GO AROUND
258 1444 010467	MOV	R4, OUTD1+2	; STORE # OF CHARS.
259 1450 016767	MOV	BUFAD, OUTD1	; STORE ADDR
260 1456 004567	JSR	R5, MOVCS	
261 1462 000000 OUTD1:	.WORD	0, 0, 1	
262 1470 000412	BR	DS5	
263 1472 010467 DS4:	MOV	R4, OUTD2+2	; STORE # OF CHARS.
264 1476 016767	MOV	BUFAD, OUTD2	; STORE ADDR
265 1504 004567	JSR	R5, MOVCS	

```

266 1510 000000 OUTD2: .WORD 0,0,1
267 1516 016767 DS5: MOV BUFAD,BUFADD
268 1524 004567 JSR R5,RLSBUF
269 1530 000000 BUFADD: .WORD 0
270 1532 004567 JSR R5,RSTREG
271 1536 012605 MOV (SP)+,R5
272 1540 000205 RTS R5
273 ;
274 ; ERROR PROCESSOR
275 ;
276 1542 000000 ERROR: HALT
277 ;
278 ; HEXIDECIMAL CONVERSION PROCESSOR
279 ;
280 1544 010346 HCONVR: MOV R3,-(SP)
281 1546 012700 MOV #TEMP+2,R0 ; GET TEMPORARY BUFR ADDR
282 1552 012703 MOV #1,R3 ; INITIALIZE COUNTER
283 1556 111167 MOVB (R1),TEST ; GET DATA
284 1562 042767 A: BIC #177760,TEST ; CLEAR EXTRA BITS
285 1570 022767 CMP #11,TEST ; IS NO. GT 9
286 1576 100025 BPL B ; NO. GO AROUND
287 1600 162767 SUB #9,,TEST ; SUBTRACT 9
288 1606 052767 BIS #100,TEST ; CONVERT TO ASCII
289 1614 116740 C: MOVB TEST,-(R0) ; STORE
290 1620 111102 MOVE (R1),R2 ; GET INPUT DATA
291 1622 006002 ROR R2 ; SHIFT TO RIGHT
292 1624 006002 ROR R2
293 1626 006002 ROR R2
294 1630 006002 ROR R2
295 1632 010267 MOV R2,TEST ; STORE DATA
296 1636 005303 DEC R3 ; DECREMENT COUNTER
297 1640 100350 BPL A ; NOT AT END GO AROUND
298 1642 016700 MOV TEMP,R0
299 1646 012603 MOV (SP)+,R3
300 1650 000205 RTS R5 ; RETURN
301 1652 052767 B: BIS #60,TEST ; CONVERT TO ASCII
302 1660 000755 BR C ; TRY AGAIN
303 ;
304 ; CKSUM COMPUTER
305 ;
306 1662 005000 CKSUMR: CLR R0
307 1664 112367 X1: MOVB (R3)+,TEMP1 ; GET FIRST BYTE
308 1670 112367 MOVB (R3)+,TEMP1+2 ; GET SECOND BYTE
309 1674 066700 ADD TEMP1,R0
310 1700 066700 ADD TEMP1+2,R0
311 1704 020304 CMP R3,R4 ; AT END?
312 1706 100766 BMI X1 ; NO. GO AROUND
313 1710 005100 COM R0
314 1712 042700 BIC #177400,R0
315 1716 005200 INC R0
316 1720 010067 MOV R0,TEMP1
317 1724 012701 MOV #TEMP1,R1
318 1730 004567 JSR R5,HCONVR

```

```
319 1734 010067      MOV      R0,TEMP2
320 1740 000205      RTS      R5
321
322
323
324 1742 000000 ADDR1: .WORD    0
325 1744 000000 NCHARS: .WORD   0
326 1746 000000 RADDR1: .WORD   0
327 1750 000000 TYPE:   .WORD   0
328 1752    012 TRALR2: .BYTE   12,15,72
329 1755    060      .ASCII  /000000/
330      .EVEN
331 1764 000000 TEMP:   .WORD    0
332 1766 000000 TEST:   .WORD    0
333 1770 000000 TEMP1:  .WORD   0.0
334 1774 000000 TEMP2:  .WORD    0
335
336      001162      .END      DSFMTR
```

A 001562R
 B 001652R
 BUFADD 001530R
 COLOR 001060RG
 CRFLG1= ***** G
 DFLGG1= ***** G
 DSFLAG= ***** G
 DSFLG5= ***** G
 DS1 001314R
 DS3 001424R
 ERROR 001542R
 HCONVR 001544R
 IFLAG3= ***** G
 MODE 001132RG
 MOVCS = ***** G
 OUTD1 001462R
 OUT1 000162R
 PDTC5 = ***** G
 RLD1 = ***** G
 ROUTES 001122RG
 R1 =%000001
 R4 =%000004
 SP =%000006
 S200B 000110R
 S202 000166RG
 S203 000262RG
 S204 000360RG
 S206A 000444R
 S209A 000476R
 S226B 000632R
 S300X 000636RG
 S300Z1 000751RG
 TELOUT 001042RG
 TEMP2 001774R
 TYPE 001750R
 VSTADR= ***** G

ADDRES= ***** G
 BASECD= ***** G
 C 001614R
 CONV1 000760RG
 CRFLG2= ***** G
 DFLGT1= ***** G
 DSFLG3= ***** G
 DSFLG6= ***** G
 DS1A 001260R
 DS4 001472R
 FNDBUF= ***** G
 HEADR1= ***** G
 LICENS 001102RG
 MODEL 001072RG
 NCHARS 001744R
 OUTD2 001510R
 PC =%000007
 RADDR1 001746R
 RLD2 = ***** G
 RSTREG= ***** G
 R2 =%000002
 R5 =%000005
 S200 000000RG
 S200C 000030RG
 S202A 000230R
 S203A 000324R
 S205 000400RG
 S206B 000450R
 S226 000504RG
 S226C 000634R
 S300Y 000666RG
 TAB1 000132R
 TEMP 001764R
 TEST 001766R
 VEHNUM 000772RG
 X1 001664R

ADDR1 001742R
 BUFAD 001214R
 CKSUMR 001662R
 CR 000356R
 CURSOR 000452R
 DISADR= ***** G
 DSFLG4= ***** G
 DSFMTR 001162RG
 DS2 001364R
 DS5 001516R
 GBFCMD= ***** G
 IFLAG1= ***** G
 MAKE 001062RG
 MOVCS = ***** G
 NORMAL 001142RG
 OUTLOC 001002RG
 PDTC3 = ***** G
 RALARM 001152RG
 RLSBUF= ***** G
 R0 =%000000
 R3 =%000003
 SAVREG= ***** G
 S200A 000130R
 S200D 000024R
 S202B 000236R
 S203B 000332R
 S206 000420RG
 S209 000456RG
 S226A 000570R
 S226X 000516R
 S300Z 000732RG
 TCO = ***** G
 TEMP1 001770R
 TRALR2 001752R
 VID = ***** G
 ... V2 = 000001

. ABS. 000000 000
 001776 001
 ERRORS DETECTED: 0
 FREE CORE: 17373. WORDS

.LP:/C:=DSPCP.MAC

CONTINUED

9 OF 29

...V2	1-8#					
A	1-284#	1-297				
ADDR1	1-198*	1-216	1-242	1-324#		
ADDRES	1-15#	1-25*	1-26	1-115	1-129*	1-130
B	1-286	1-301#				
BASECD	1-13#	1-131				
BUFAD	1-208#	1-209	1-211	1-223	1-225	1-255 1-259
	1-264	1-267				
BUFADO	1-267*	1-269#				
C	1-289#	1-302				
CKSUMR	1-224	1-306#				
COLOR	1-18#	1-169#				
CONV1	1-14#	1-165	1-165#			
CR	1-59	1-78	1-91#			
CRFLG1	1-15#	1-46*				
CRFLG2	1-15#	1-42*				
CURS0R	1-98	1-107	1-123#			
DFLGG1	1-15#	1-43*	1-148*			
DFLGT1	1-15#	1-47*	1-156*			
DISADR	1-12#	1-38				
DS1	1-228#	1-230				
DS1A	1-219#	1-221				
DS2	1-242#	1-248				
DS3	1-252#	1-254				
DS4	1-257	1-263#				
DS5	1-262	1-267#				
DSFLAG	1-12#	1-70*	1-89*	1-99*	1-108*	
DSFLG3	1-16#	1-69*				
DSFLG4	1-16#	1-88*				
DSFLG5	1-16#	1-64*				
DSFLG6	1-16#	1-83*				
DSFMTR	1-13#	1-146	1-154	1-193#	1-198#	1-336
ERROR	1-210	1-276#				
FNDBUF	1-13#	1-193#	1-207			
GBFCMD	1-15#	1-68*	1-87*			
HCONVR	1-232	1-235	1-238	1-244	1-280#	1-318
HEADR1	1-194#	1-226	1-227			
IFLAG1	1-17#	1-60*				
IFLAG3	1-17#	1-79*				
LICENS	1-17#	1-172#				
MAKE	1-18#	1-170#				
MODE	1-18#	1-174#				
MODEL	1-17#	1-171#				
MOV3	1-12#	1-77	1-106	1-193#	1-265	
MOV5	1-12#	1-58	1-97	1-193#	1-260	
NCHARS	1-199*	1-212	1-217	1-231	1-247	1-325#
NORMAL	1-18#	1-175#				
OUT1	1-34	1-39	1-52#			
OUTD1	1-258*	1-259*	1-261#			
OUTD2	1-263*	1-264*	1-266#			
OUTLOC	1-14#	1-167#				
PDT3	1-12#	1-44*	1-80	1-82*	1-85*	1-119 1-150*
PDT5	1-12#	1-48*	1-61	1-63*	1-66*	1-121 1-158*
RADDR1	1-200*	1-213	1-214	1-234	1-326#	
RALARM	1-17#	1-176#				
RLD1	1-16#	1-67*	1-157*			

RLD2	1-16*	1-86*	1-149*				
RLSBUF	1-13*	1-193*	1-268				
ROUTES	1-17*	1-173*					
RSTREG	1-15*	1-193*	1-270				
S200	1-16*	1-25*					
S200A	1-45	1-49*					
S200B	1-41	1-46*					
S200C	1-18*	1-33*					
S200D	1-31*	1-32					
S202	1-13*	1-58*					
S202A	1-62	1-66*					
S202B	1-65	1-67*					
S203	1-13*	1-77*					
S203A	1-81	1-85*					
S203B	1-84	1-86*					
S204	1-14*	1-97*					
S205	1-14*	1-106*					
S206	1-14*	1-115*					
S206A	1-118	1-121*					
S206B	1-120	1-122*					
S209	1-16*	1-129*					
S209A	1-130*	1-132*					
S226	1-16*	1-139*					
S226A	1-144	1-152*					
S226B	1-151	1-159*					
S226C	1-139*	1-145*	1-147	1-152*	1-153*	1-155	1-160*
S226X	1-141*	1-142					
S300X	1-14*	1-161*					
S300Y	1-14*	1-162*					
S300Z	1-14*	1-18*	1-163*				
S300Z1	1-14*	1-164*					
SAVREG	1-15*	1-193*	1-203				
TAB1	1-33	1-51*					
TCO	1-13*	1-40	1-117	1-143			
TELOUT	1-18*	1-168*					
TEMP	1-281	1-298	1-331*				
TEMP1	1-307*	1-308*	1-309	1-310	1-316*	1-317	1-333*
TEMP2	1-249	1-319*	1-334*				
TEST	1-283*	1-284*	1-285	1-287*	1-288*	1-289	1-295*
	1-301*	1-332*					
TRALR2	1-250	1-251	1-328*				
TYPE	1-201*	1-256	1-327*				
VEHNUM	1-18*	1-166*					
VID	1-13*	1-139					
VSTADR	1-17*						
X1	1-307*	1-312					

...CM1	1-8#	
...CM2	1-8#	
...CM3	1-8#	
...CM4	1-8#	
..V2..	1-7#	1-8
.REGDE	1-7#	1-9

```

1      .TITLE  RAMLDD
2      ;
3      ;      RAMLDD = RAM LOAD PROCESSOR FOR THE DISPATCH STATIONS
4      ;
5      ;      OBJECT: TO LOAD OUTPUT BUFFER WITH DATA FOR TRANSFER TO DISPATCH
6      ;      STATIONS. DATA IS RETRIEVED FROM DISK FILES SEQUENTIALLY
7      ;      FOR LOAD TO BE ACCOMPLISHED. THIS PROCESSOR SERVICES BOTH
8      ;      DISPATCH STATIONS. DISPATCH PROCESSOR FLAG IS CLEARED BY
9      ;      THIS ROUTINE.
10     ;
11     .MCALL  ..V2....REGDEF..LOOKUP..READW..CLOSE..SRESET
12 00000    ..V2...
13 00000    .REGDEF
14         .NLIST  BEX
15     ;
16     .GLOBL  RAMLDD,RAMLDD1,RAMLDD2,SAVREG,RSTREG,MOVK5,FNDBUF,RLSBUF
17     .GLOBL  RLD2,MOVK3,MOVK5,DSFLAG,RLD1,BASECD,MOVK3,CRFLG1,CRFLG2
18     .GLOBL  DFLGG1,DFLGT1,NO1PTR,NO2PTR,HEADR1,DSCTR3,DSCTR4,DSFLG3,DSFLG4
19     .GLOBL  LOGGR,CTIME,DSCMD1,DSCMD2,PSWDFG,PDC5,PDC3,TCFLAG,GIFLAG
20     ;
21     ;      TEST FOR THE DISPATCH STATION TO BE LOADED
22     ;
23 00000 122767 RAMLDD: CMPB    #5,DSFLAG+1      ; IS IT #1?
24 00006 001104 BNE      NO2                    ; NO, GO AROUND
25     ;
26     ;      TEST PASSWORD DATA FOR STATION # 1
27     ;
28 00010 004567 NO1:   JSR      R5,SAVREG          ; SAVE REGISTERS
29 00014 032767        BIT      #100000,PDC3+4
30 00022 001152        BNE      ERROR1
31 00024 005067        CLR      BUFR
32 00030 052767        BIS      #302,BUFR
33 00036 016767        MOV      CTIME,BUFR+2
34 00044 112767        MOVW     #22.,BUFR+1
35 00052 004567        JSR      R5,LOGGR
36 00056 002570        .WORD    BUFR,5
37 00062 005067        CLR      NO1PTR           ; CLEAR POINTER
38 00066 012767        MOV      #1,RLD1         ; SET PROCESSING FLAG
39 00074 142767        BICB     #5,DSFLAG+1     ; CLEAR FLAG BITS
40 00102 004567        JSR      R5,MOVK5        ; GET DATA
41 00106 002322 TEMP1: .WORD    TEMP,0
42 00112 022767        CMP      #10,TEMP1+2     ; CORRECT NO. OF CHAR.?
43 00120 001113        BNE      ERROR1         ; NO, ERROR
44 00122 012700        MOV      #TEMP,R0       ; GET INPUT DATA ADDR
45 00126 012702        MOV      #PSWDS1,R2     ; GET PASSWORD ADDR
46 00132 012703        MOV      #END1,R3       ; STORE TABLE END
47     ;
48     ;      ROUTINE FOR PASSWORD TEST
49     ;
50 00136 021022 N1:    CMP      (R0),(R2)+      ; FIRST WORD MATCH?
51 00140 001407        BEQ      N2              ; INCREMENT PASSWORD POINTER
52 00142 062702        ADD      #4,R2           ; INCREMENT PASSWORD POINTER
53 00146 020203 N11:   CMP      R2,R3          ; AT TABLE END?

```

```

54 00150 100372      BPL      N1          ; NO. TRY AGAIN
55 00152 005067      CLR      PSWDFG
56 00156 000474      BR       ERROR1
57 00160 062700 N2:  ADD      #2,R0      ; POINT TO NEXT TWO CHAR>
58 00164 021022      CMP      (R0),(R2)+  ; DO CHAR MATCH?
59 00166 001405      BEQ      N3          ; YES, GO TO NEXT TEST
60 00170 162700      SUB      #2,R0      ; RESET INPUT POINTER
61 00174 062702      ADD      #2,R2      ; INCREMENT PASSWORD POINTER
62 00200 000762      BR       N11         ; GO TO END TEST
63 00202 062700 N3:  ADD      #2,R0      ; POINT TO NEXT TWO CHAR
64 00206 021022      CMP      (R0),(R2)+  ; YES PASSWORD VALID, GO TO LOAD
65 00210 001461      BEQ      N4A        ; YES, GO LOAD DATA
66 00212 162700      SUB      #4,R0      ; RESET INPUT POINTER
67 00216 000753      BR       N11         ; GO TO END TEST

```

TEST PASSWORD DATA FOR THE NO 2 STATION

```

71 00220 004567 N02: JSR      R5,SAVEREG ; SAVE REGISTERS
72 00224 032767      BIT      #100000,PDTC5+4
73 00232 001046      BNE      ERROR1
74 00234 005067      CLR      BUFR
75 00240 052767      BIS      #303,BUFR
76 00246 016767      MOV      CTIME,BUFR+2
77 00254 112767      MOV8     #22,,BUFR+1
78 00262 004567      JSR      R5,LOGGER
79 00266 002570      .WORD    BUFR,5
80 00272 005067      CLR      NO2PTR      ; CLEAR POINTER
81 00276 012767      MOV      #1,RLD2     ; SET PROCESSING FLAG
82 00304 142767      BIC8     #50,DSFLAG+1 ; CLEAR FLAG BITS
83 00312 004567      JSR      R5,MOVK3    ; GET DATA
84 00316 002322 TEMP2: .WORD    TEMP,0
85 00322 022767      CMP      #10,TEMP2+2 ; CORRECT NO. OF CHAR.?
86 00330 001007      BNE      ERROR1      ; NO. ERROR
87 00332 012700      MOV      #TEMP,R0    ; GET INPUT DATA ADDR
88 00336 012702      MOV      #PSWDS2,R2  ; GET PASSWORD ADDR
89 00342 012703      MOV      #END2,R3    ; STORE TABLE END
90 00346 000673      BR       N1          ; GO TO PASSWORD TEST
91 00350 000167 ERROR1: JMP      ERROR
92 00354 000167 N4A:  JMP      N4

```

STATION NO 1 ENTRY POINT

```

96 00360 032767 RAMD1: BIT      #1,PDTC5+2
97 00366 001415      BEQ      RAM1C
98 00370 042767      BIC      #1,PDTC5+2
99 00376 052767      BIS      #1200,PDTC5
100 0404 004567 RAM1AA: JSR      R5,MOV5
101 0410 002550      .WORD    TRALR3,4,1
102 0416 000167      JMP      RAM1B
103 0422 032767 RAM1C: BIT      #2,PDTC5+2
104 0430 001407      BEQ      RAM1E
105 0432 042767      BIC      #2,PDTC5+2
106 0440 052767      BIS      #1400,PDTC5

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107 0446 000756	BR	RAM1AA
108 0450 032767 RAM1E:	BIT	#10,PDTCS+2
109 0456 001424	BEQ	RAM1D
110 0460 042767	BIC	#10,PDTCS+2
111 0466 004567	JSR	R5,MOVCS
112 0472 002554	.WORD	TRALR4,4,1
113 0500 005067	CLR	DFLGT1
114 0504 032767	BIT	#400,PDTCS+2
115 0512 001551	BEQ	RAM1B
116 0514 005267	INC	DFLGT1
117 0520 042767	BIC	#400,PDTCS+2
118 0526 000540	BR	RAM10C
119 0530 032767 RAM1D:	BIT	#200,PDTCS
120 0536 001413	BEQ	RAM1A
121 0540 042767	BIC	#1200,PDTCS
122 0546 004567	JSR	R5,MOVCS
123 0552 002544	.WORD	TRALR2,4,1
124 0560 005067	CLR	DFLGT1
125 0564 000524	BR	RAM1B
126 0566 032767 RAM1A:	BIT	#400,PDTCS
127 0574 001413	BEQ	RAM1F
128 0576 042767	BIC	#1400,PDTCS
129 0604 004567	JSR	R5,MOVCS
130 0610 002540	.WORD	TRALR1,4,1
131 0616 005067	CLR	DFLGT1
132 0622 000505	BR	RAM1B
133 0624 032767 RAM1F:	BIT	#100,PDTCS+2
134 0632 001423	BEQ	RAM1G
135 0634 042767	BIC	#100,PDTCS+2
136 0642 004567	JSR	R5,MOVCS
137 0646 002550	.WORD	TRALR3,4,1
138 0654 012767	MOV	#22,.,RAM10B+2
139 0662 032767	BIT	#400,PDTCS+2
140 0670 001447	BEQ	RAM10A
141 0672 042767	BIC	#400,PDTCS+2
142 0700 000453	BR	RAM10C
143 0702 032767 RAM1G:	BIT	#200,PDTCS+2
144 0710 001411	BEQ	RAM10
145 0712 042767	BIC	#200,PDTCS+2
146 0720 004567	JSR	R5,MOVCS
147 0724 002560	.WORD	TRALR5,4,1
148 0732 000436	BR	RAM10C
149 0734 004567 RAM10:	JSR	R5,MOVCS
150 0740 002322	.WORD	TEMP,0
151 0744 105767	TSTB	RLD1+1
152 0750 001441	BEQ	RAM1
153 0752 005067	CLR	RLD1
154 0756 004567	JSR	R5,MOVCS
155 0762 002564	.WORD	TRALR6,4,1
156 0770 052767	BIS	#1000,PDTCS+2
157 0776 012767	MOV	#21,.,RAM10B+2
158 1004 005067	CLR	TCFLAG
159 1010 012700 RAM10A:	MOV	#DSCMD1,R0

```

160 1014 012720      MOV      #1,(R0)+
161 1020 012720      MOV      #1,(R0)+
162 1024 012710 RAM10B: MOV      #21.,(R0)
163 1030 052767 RAM10C: BIS      #1000,PDTC5
164 1036 005267 RAM1B:  INC      CRFLG1
165 1042 142767      BICB      #7,DSFLAG+1      ; CLEAR ALL FLAGS
166 1050 000167      JMP      GET1
167 1054 016704 RAM1:  MOV      NO1PTR,R4      ; GET FILENAME POINTER
168 1060 000167      JMP      GO
169
170 ;
171 ;      STATION #2 ENTRY POINT
172 1064 032767 RAMLD2: BIT      #1,PDTC3+2
173 1072 001415      BEQ      RAM2C
174 1074 042767      BIC      #1,PDTC3+2
175 1102 052767      BIS      #1200,PDTC3
176 1110 004567 RAM2AA: JSR      R5,MOVC3
177 1114 002550      .WORD    TRALR3,4,1
178 1122 000167      JMP      RAM2B
179 1126 032767 RAM2C: BIT      #2,PDTC3+2
180 1134 001407      BEQ      RAM2E
181 1136 042767      BIC      #2,PDTC3+2
182 1144 052767      BIS      #1400,PDTC3
183 1152 000756      BR       RAM2AA
184 1154 032767 RAM2E: BIT      #10,PDTC3+2
185 1162 001424      BEQ      RAM2D
186 1164 042767      BIC      #10,PDTC3+2
187 1172 004567      JSR      R5,MOVC3
188 1176 002554      .WORD    TRALR4,4,1
189 1204 005067      CLR      DFLGG1
190 1210 032767      BIT      #400,PDTC3+2
191 1216 001551      BEQ      RAM2B
192 1220 005267      INC      DFLGG1
193 1224 042767      BIC      #400,PDTC3+2
194 1232 000540      BR       RAM20C
195 1234 032767 RAM2D: BIT      #200,PDTC3
196 1242 001413      BEQ      RAM2A
197 1244 042767      BIC      #1200,PDTC3
198 1252 004567      JSR      R5,MOVC3
199 1256 002544      .WORD    TRALR2,4,1
200 1264 005067      CLR      DFLGG1
201 1270 000524      BR       RAM2B
202 1272 032767 RAM2A: BIT      #400,PDTC3
203 1300 001413      BEQ      RAM2F
204 1302 042767      BIC      #1400,PDTC3
205 1310 004567      JSR      R5,MOVC3
206 1314 002540      .WORD    TRALR1,4,1
207 1322 005067      CLR      DFLGG1
208 1326 000505      BR       RAM2B
209 1330 032767 RAM2F: BIT      #100,PDTC3+2
210 1336 001423      BEQ      RAM2G
211 1340 042767      BIC      #100,PDTC3+2
212 1346 004567      JSR      R5,MOVC3

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213 1352 002550 .WORD TRALR3,4,1
214 1360 012767 MOV #22.,RAM20B+2
215 1366 032767 BIT #400,PDTC3+2
216 1374 001447 BEQ RAM20A
217 1376 042767 BIC #400,PDTC3+2
218 1404 000453 BR RAM20C
219 1406 032767 RAM2G: BIT #200,PDTC3+2
220 1414 001411 BEQ RAM20
221 1416 042767 BIC #200,PDTC3+2
222 1424 004567 JSR R5,MOV3
223 1430 002560 .WORD TRALR5,4,1
224 1436 000436 BR RAM20C
225 1440 004567 RAM20: JSR R5,MOV3
226 1444 002322 .WORD TEMP,0
227 1450 105767 TSTB RLD2+1
228 1454 001441 BEQ RAM2
229 1456 005067 CLR RLD2
230 1462 004567 JSR R5,MOV3
231 1466 002564 .WORD TRALR6,4,1
232 1474 052767 BIS #1000,PDTC3+2
233 1502 012767 MOV #21.,RAM20B+2
234 1510 005067 CLR GFLAG
235 1514 012700 RAM20A: MOV #DSCMD2,R0
236 1520 012720 MOV #1,(R0)+
237 1524 012720 MOV #400,(R0)+
238 1530 012710 RAM20B: MOV #21.,(R0)
239 1534 052767 RAM20C: BIS #1000,PDTC3
240 1542 005267 RAM2B: INC CRFLG2
241 1546 142767 BICB #70,DSFLAG+1 ; CLEAR ALL FLAGS
242 1554 000167 JMP GET1
243 1560 016704 RAM2: MOV NO2PTR,R4
244 1564 000407 BR GO
245 :
246 : ERROR PROCESSING
247 :
248 1566 004567 ERROR: JSR R5,RSTREG ; RESTORE REGISTERS
249 1572 000167 JMP GET1 ; RETURN
250 :
251 : LOAD RAM DATA PROCESSOR
252 :
253 1576 004567 N4: JSR R5,RSTREG ; RESTORE REGISTERS
254 1602 005004 CLR R4
255 1604 005767 GO: TST RLD1
256 1610 001004 BNE GO1
257 1612 005767 TST RLD2
258 1616 001001 BNE GO1
259 1620 000762 BR ERROR
260 1622 010546 GO1: MOV R5,-(SP) ; SAVE R5
261 1624 004567 JSR R5,SAVREG ; SAVE REGISTERS
262 1630 062704 ADD #TABR,R4 ; GET ADDR OF DATA
263 1634 012467 MOV (R4)+,FILNAM+2 ; STORE FILENAME DATA
264 1640 011467 MOV (R4),FILNAM+4
265 1644 .LOOKUP #AREA,#7.,#FILNAM ; FIND FILE

```

```

266 1676 004567 A1: JSR R5,FNDBUF ; ASSIGN BUFFER
267 1702 000000 TEST1: .WORD 0
268 1704 .READW #AREA2,#7,,TEST1,*256,.BLK ; READ IN FILE
269 1754 .CLOSE #7 ; CLOSE CHANNEL
270 1766 .SRESET
271 1770 005001 CLR R1 ; INITIALIZE COUNTER
272 1772 016700 MOV TEST1,R0 ; GET ADDR
273 1776 005201 T1: INC R1 ; UPDATE CHAR CTR
274 2000 122720 CMPB #72,(R0)+ ; IS CHAR A COLON?
275 2004 001374 BNE T1 ; NO, GO TO NEXT CHAR.
276 2006 012702 MOV #5,R2 ; INITIALIZE ZERO CTR
277 2012 005201 T2: INC R1 ; UPDATE CTR
278 2014 122720 CMPB #60,(R0)+ ; IS CHAR A ZERO?
279 2020 001366 BNE T1 ; NO, RESTART
280 2022 005302 DEC R2 ; SIX ZEROES IN SUCCESSION
281 2024 100372 BPL T2 ; NO, TRY AGAIN
282 2026 005767 TST RLD1 ; IS THIS THE NO. 1 STATION?
283 2032 001453 BEQ T5 ; NO, GO AROUND
284 ;
285 ;
286 ;
287 2034 004567 JSR R5,MOVCS ; STORE HEADR DATA
288 2040 000000G .WORD HEADR1
289 2042 000006 .WORD 6,1
290 2046 010167 MOV R1,OUTD2 ; STORE NO. OF CHAR
291 2052 016767 MOV TEST1,OUTD1 ; AND BUFR ADDR
292 2060 004567 JSR R5,MOVCS ; STORE FILE OF DATA
293 2064 000000 OUTD1: .WORD 0
294 2066 000000 OUTD2: .WORD 0,1
295 2072 016767 MOV TEST1,TEST2 ; STORE ADDR
296 2100 004567 JSR R5,RLSBUF ; RELEASE BUFFER
297 2104 000000 TEST2: .WORD 0
298 2106 012767 MOV #1,DSFLG3
299 2114 005067 CLR DSCTR3
300 2120 062767 ADD #4,NO1PTR ; UPDATE FILE POINTER
301 2126 142767 BICB #5,DSFLAG+1
302 2134 026767 CMP NO1PTR,END ; ALL FILES LOADED?
303 2142 100406 BMI AGAIN ; NO, DO AGAIN
304 2144 004567 JSR R5,BASECD ; YES OUTPUT COMPLETE MESSAGE #1
305 2150 000 .BYTE 0,0,26,,1
306 2154 000367 SWAB RLD1 ; RESET FLAG FOR NO 1
307 2160 000452 AGAIN: BR GETOUT ; GETOUT
308 ;
309 ;
310 ;
311 2162 004567 T5: JSR R5,MOVCS ; STORE HEADR DATA
312 2166 000000G .WORD HEADR1
313 2170 000006 .WORD 6,1
314 2174 010167 MOV R1,OUTD4 ; STORE NO. OF CHAR
315 2200 016767 MOV TEST1,OUTD3 ; AND BUFR ADDR
316 2206 004567 JSR R5,MOVCS ; STORE FILE OF DATA
317 2212 000000 OUTD3: .WORD 0
318 2214 000000 OUTD4: .WORD 0,1

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```

319 2220 016767      MOV      TEST1,TEST3      ; STORE ADDR
320 2226 004567      JSR      R5,RLSBUF        ; RELEASE BUFFER
321 2232 000000 TEST3: .WORD      0
322 2234 012767      MOV      #1,DSFLG4
323 2242 005067      CLR      DSCTR4
324 2246 062767      ADD      #4,N02PTR        ; UPDATE FILE POINTER
325 2254 142767      BICB     #50,DSFLAG+1
326 2262 026767      CMP      N02PTR,END      ; ALL FILES LOADED?
327 2270 100733      BMI      AGAIN          ; NO, DO AGAIN
328 2272 004567      JSR      R5,BASECD       ; YES OUTPUT COMPLETE MESSAGE
329 2276 000      .BYTE     0,0,26,2
330 2302 000367      SWAB     RLD2            ; RESET FLAG FOR NO 2
331      ;
332      ;      CLEAN-UP AND RETURN
333      ;
334 2306 004567 GETOUT: JSR      R5,RSTREG      ; RESTORE REGISTERS
335 2312 012605      MOV      (SP)+,R5        ; RESTORE R5
336 2314 105267 GET1:  INCB     DSFLAG
337 2320 000205      RTS      R5              ; RETURN
338      ;
339      ;      VARIABLES AND TABLES
340      ;
341 2322 000000 TEMP:  .WORD     0,0,0,0
342 2332 064 PSWDS1: .ASCII    /412345/      ; PASSWORDS FOR NO 1
343 2340 002340 END1:  .=.
344 2340 064 PSWDS2: .ASCII    /412345/      ; PASSWORDS FOR NO 2
345 2346 000000 END2:  .WORD     0
346 2350 071126 FILNAM: .RAD50  /RK0XXXXXXOBJ/
347 2360 006524 TABA:  .RAD50  /BELLRGR1STATS5STAT1FIXED1VFILE/
348 2404 144371      .RAD50  /2FIXED3FIXED4FIXEDS1STATS2STATPRBUFFSTBUFFNORMALPRINTX/
349 2450 074741      .RAD50  /STATUSJMPOUTBLCYANSTARTPS6STATPRINTYPRINIXSTAR1P/
350 2510 000140 END:   .WORD     96.
351 2512 000000 BLK:   .WORD     0
352 2514      AREA:     .BLKW     5
353 2526      AREA2:    .BLKW     5
354 2540 107 TRALR1: .ASCII    /GBF8/
355 2544 107 TRALR2: .ASCII    /GBF7/
356 2550 107 TRALR3: .ASCII    /GBF6/
357 2554 107 TRALR4: .ASCII    /GBF2/
358 2560 107 TRALR5: .ASCII    /GBF3/
359 2564 107 TRALR6: .ASCII    /GBF1/
360 2570 000000 BUFR:  .WORD     0,0,0,0,0
361      ;
362 000000 .END      RAMLDD

```


AGAIN 002160R
 A1 001676R
 BUFR 002570R
 CTIME = ***** G
 DSCMD1 = ***** G
 DSCTR4 = ***** G
 DSFLG4 = ***** G
 END2 002346R
 FILNAM 002350R
 GET1 002314R
 GO1 001622R
 MOV3 = ***** G
 MOV5 = ***** G
 NO2 000220R
 N11 000146R
 N4 001576R
 OUTD2 002066R
 PC =%000007
 PSWDFG = ***** G
 RAMLDD 000000RG
 RAM1 001054R
 RAM1B 001036R
 RAM1E 000450R
 RAM1O 000734R
 RAM1OC 001030R
 RAM2AA 001110R
 RAM2D 001234R
 RAM2G 001406R
 RAM2OB 001530R
 RLD2 = ***** G
 R0 =%000000
 R3 =%000003
 SAVREG = ***** G
 TCFLAG = ***** G
 TEMP2 000316R
 TEST3 002232R
 TRALR3 002550R
 TRALR6 002564R
 TS 002162R
 . ABS. 000000 000
 002602 001

AREA 002514R
 BASECD = ***** G
 CRFLG1 = ***** G
 DFLGG1 = ***** G
 DSCMD2 = ***** G
 DSFLAG = ***** G
 END 002510R
 ERROR 001566R
 FNDBUF = ***** G
 G1FLAG = ***** G
 HEADR1 = ***** G
 MOVC5 = ***** G
 NO1 000010R
 NO2PTR = ***** G
 N2 000160R
 N4A 000354R
 OUTD3 002212R
 PDTC3 = ***** G
 PSWDS1 002332R
 RAMLD1 000360RG
 RAM1A 000566R
 RAM1C 000422R
 RAM1F 000624R
 RAM1OA 001010R
 RAM2 001560R
 RAM2B 001542R
 RAM2E 001154R
 RAM2O 001440R
 RAM2OC 001534R
 RLSBUF = ***** G
 R1 =%000001
 R4 =%000004
 SP =%000006
 TEMP 002322R
 TEST1 001702R
 TRALR1 002540R
 TRALR4 002554R
 T1 001776R
 ...V2 = 000001

AREA2 002526R
 BLK 002512R
 CRFLG2 = ***** G
 DFLGT1 = ***** G
 DSCTR3 = ***** G
 DSFLG3 = ***** G
 END1 002340R
 ERROR1 000350R
 GETOUT 002306R
 GO 001604R
 LOGGER = ***** G
 MOVK3 = ***** G
 NO1PTR = ***** G
 N1 000136R
 N3 000202R
 OUTD1 002064R
 OUTD4 002214R
 PDTC5 = ***** G
 PSWDS2 002340R
 RAMLD2 001064RG
 RAM1AA 000404R
 RAM1D 000530R
 RAM1G 000702R
 RAM1OB 001024R
 RAM2A 001272R
 RAM2C 001126R
 RAM2F 001330R
 RAM2OA 001514R
 RLD1 = ***** G
 RSTREG = ***** G
 R2 =%000002
 R5 =%000005
 TABA 002360R
 TEMP1 000106R
 TEST2 002104R
 TRALR2 002544R
 TRALR5 002560R
 T2 002012R

ERRORS DETECTED: 0
 FREE CORE: 17083. WORDS

.LP:/C:=RAMLDD.MAC

...	1-343	1-343#					
...V1	1-265	1-268	1-269				
...V2	1-12#						
A1	1-266#						
AGAIN	1-303	1-307#	1-327				
AREA	1-265	1-352#					
AREA2	1-268	1-353#					
BASECD	1-17#	1-304	1-328				
BLK	1-268	1-351#					
BUFR	1-31*	1-32*	1-33*	1-34*	1-36	1-74*	1-75*
	1-76*	1-77*	1-79	1-360#			
CRFLG1	1-17#	1-164*					
CRFLG2	1-17#	1-240*					
CTIME	1-19#	1-33	1-76				
DFLGG1	1-18#	1-189*	1-192*	1-200*	1-207*		
DFLGT1	1-18#	1-113*	1-116*	1-124*	1-131*		
DSCMD1	1-19#	1-159					
DSCMD2	1-19#	1-235					
DSCTR3	1-18#	1-299*					
DSCTR4	1-18#	1-323*					
DSFLAG	1-17#	1-23	1-39*	1-82*	1-165*	1-241*	1-301*
	1-325*	1-336*					
DSFLG3	1-18#	1-298*					
DSFLG4	1-18#	1-322*					
END	1-302	1-326	1-350#				
END1	1-46	1-343#					
END2	1-89	1-345#					
ERROR	1-91	1-248#	1-259				
ERROR1	1-30	1-43	1-56	1-73	1-86	1-91#	
FILNAM	1-263*	1-264*	1-265	1-346#			
FNDBUF	1-16#	1-266					
GET1	1-166	1-242	1-249	1-336#			
GETOUT	1-307	1-334#					
GIFLAG	1-19#	1-234*					
GO	1-168	1-244	1-255#				
GO1	1-256	1-258	1-260#				
HEADR1	1-18#	1-288	1-312				
LOGGER	1-19#	1-35	1-78				
MOV3	1-17#	1-176	1-187	1-198	1-205	1-212	1-222
	1-230	1-311	1-316				
MOV5	1-17#	1-100	1-111	1-122	1-129	1-136	1-146
	1-154	1-287	1-292				
MOV3	1-17#	1-83	1-225				
MOV5	1-16#	1-40	1-149				
N1	1-50#	1-54	1-90				
N11	1-53#	1-62	1-67				
N2	1-51	1-57#					
N3	1-59	1-63#					
N4	1-92	1-253#					
N4A	1-65	1-92#					
N01	1-28#						
N01PTR	1-18#	1-37*	1-167	1-300*	1-302		
N02	1-24	1-71#					
N02PTR	1-18#	1-80*	1-243	1-324*	1-326		
OUTD1	1-291*	1-293*					
OUTD2	1-290*	1-294*					

OUTD3	1-315*	1-317#					
OUTD4	1-314*	1-318#					
PDT C3	1-19#	1-29	1-172	1-174*	1-175*	1-179	1-181*
	1-182*	1-184	1-186*	1-190	1-193*	1-195	1-197*
	1-202	1-204*	1-209	1-211*	1-215	1-217*	1-219
	1-221*	1-232*	1-239*				
PDT C5	1-19#	1-72	1-96	1-98*	1-99*	1-103	1-105*
	1-106*	1-108	1-110*	1-114	1-117*	1-119	1-121*
	1-126	1-128*	1-133	1-135*	1-139	1-141*	1-143
	1-145*	1-156*	1-163*				
PSWDFG	1-19#	1-55*					
PSWDS1	1-45	1-342#					
PSWDS2	1-88	1-344#					
RAM1	1-152	1-167#					
RAM1A	1-120	1-126#					
RAM1AA	1-100#	1-107					
RAM1B	1-102	1-115	1-125	1-132	1-164#		
RAM1C	1-97	1-103#					
RAM1D	1-109	1-119#					
RAM1E	1-104	1-108#					
RAM1F	1-127	1-133#					
RAM1G	1-134	1-143#					
RAM1O	1-144	1-149#					
RAM1OA	1-140	1-159#					
RAM1OB	1-138*	1-157*	1-162#				
RAM1OC	1-118	1-142	1-148	1-163#			
RAM2	1-228	1-243#					
RAM2A	1-196	1-202#					
RAM2AA	1-176#	1-183					
RAM2B	1-178	1-191	1-201	1-208	1-240#		
RAM2C	1-173	1-179#					
RAM2D	1-185	1-195#					
RAM2E	1-180	1-184#					
RAM2F	1-203	1-209#					
RAM2G	1-210	1-219#					
RAM2O	1-220	1-225#					
RAM2OA	1-216	1-235#					
RAM2OB	1-214*	1-233*	1-238#				
RAM2OC	1-194	1-218	1-224	1-239#			
RAMLD1	1-16#	1-96#					
RAMLD2	1-16#	1-172#					
RAMLDD	1-16#	1-23#	1-362				
RLD1	1-17#	1-38*	1-151	1-153*	1-255	1-282	1-306*
RLD2	1-17#	1-81*	1-227	1-229*	1-257	1-330*	
RLSBUF	1-16#	1-296	1-320				
RSTREG	1-16#	1-248	1-253	1-334			
SAVREG	1-16#	1-28	1-71	1-261			
T1	1-273#	1-275	1-279				
T2	1-277#	1-281					
T5	1-283	1-311#					
TABA	1-262	1-347#					
TCFLAG	1-19#	1-158*					
TEMP	1-41	1-44	1-84	1-87	1-150	1-226	1-341*
TEMP1	1-41#	1-42					
TEMP2	1-84#	1-85					
TEST1	1-267*	1-268	1-272	1-291	1-295	1-315	1-319
TEST2	1-295*	1-297*					

TEST3	1-319*	1-321#		
TRALR1	1-130	1-206	1-354#	
TRALR2	1-123	1-199	1-355#	
TRALR3	1-101	1-137	1-177	1-213
TRALR4	1-112	1-188	1-357#	1-356#
TRALR5	1-147	1-223	1-358#	
TRALR6	1-155	1-231	1-359#	

...CM1	1-12*	1-265	1-268			
...CM2	1-12*	1-265	1-268	1-268	1-268	1-268
...CM3	1-12*	1-269				
...CM4	1-12*	1-268				
..V2..	1-11#	1-12				
.CLOSE	1-11#	1-269				
.LOOKU	1-11#	1-265				
.READW	1-11#	1-268				
.REGDE	1-11#	1-13				
.SRESE	1-11#	1-270				

.....

1 .TITLE DSEEDIT

2 ;
3 DISPATCH STATION CRT KEYBOARD EDIT ROUTINE
4 ;
5 ;6 ; THIS IS THE DISPATCH STATION EDIT PROCESSOR OVERLAY
7 MODULE. THIS ROUTINE EDITS THE COMMANDS FOR VALIDITY.
8 AND FOR THE VALID COMMANDS IT SETS UP THE APPROPRIATE
9 PHYSICAL DEVICE TABLE AND THE APPROPRIATE FLAG FOR SCHEDULING
10 THE COMMAND REQUESTED.
11 ;12 ; THIS ROUTINE USES A TABLE DRIVEN SUBROUTINE TO
13 PROCESS THE INPUT COMMANDS.
14 ;
15 ;
16 ;

17 .MCALL ..V2....REGDEF

18 00000 ..V2..

19 00000 .REGDEF

20 .NLIST BEX

21 ;
22 .GLOBL DSEDK3,DSEDK5,DTASTR

23 .GLOBL DSFLAG,MOVCS,MOVCS,DSPCMD,K5FLAG,K3FLAG,VSTAT,LOGGER

24 .GLOBL PDTC5,PDTK5,PDTC3,PDTK3

25 .GLOBL FNDBUF,RLSBUF,GTREF,MESSP1,DSFMTR,BASECD,BN2DEC

26 .GLOBL SUB07,SUB20,SUB25,SUB33,SUB34,SUB35,S300Z

27 .GLOBL SUB60,SUB61,SUB10,SUB46,SUB06,SUB71

28 .GLOBL S118,S135,S136,S139,S112,S105,S115,S121,S133

29 .GLOBL OUTLOC,TELREF,CONV1,CTFILE,S300Z,S300X,S300Y,S300Z1,R50ASC,S226,S200,S125

30 .GLOBL MODE,MODEL,LICENS,ROUTES,RALARM,PDTADR,DISADR,ERRPRT,PDTINP

31 .GLOBL LNGVST,RETADR,VID,VSTADR,TCO,INPUT,ICHARS

32 .GLOBL DATE,BNDEC,INPUT1,INPUT2,SAVREG,RSTREG,ADDRES

33 .GLOBL TCMBEL,GIMBEL,CTIME,VEHNUM,TELOUT,COLOR,RESULT

34 .GLOBL GICMD,RLD1,RLD2,S200C,MAKE,NORMAL,NOLOG

35 ;

36 00000 010546 DSEDK3: MOV R5,-(SP) ;SAVE REGISTERS

37 00002 004567 JSR R5,SAVREG

38 00006 012767 MOV #MESSP1,ERRPRT ;ADR OF ERROR PRINT ROUTINE

39 ;

40 ; INITIALIZE GI PROCESSING

41 ;

42 00014 012767 INITKA: MOV #PDTC3,PDTADR ;PDT FOR OUTPUT DEVICE

43 00022 012767 MOV #MOVCS,DISADR ;ADR OF OUTPUT ROUTINE

44 00030 012767 MOV #PDTK3,PDTINP ;PDT FOR INPUT DEVICE

45 00036 012767 MOV #1,TCO

46 00044 012702 MOV #INPUT2,R2

47 00050 005067 CLR GICMD-4

48 00054 000425 BR KB1A1

49 ;

50 ; INITIALIZE TRANSCON PROCESSING

51 ;

52 00056 010546 DSEDK5: MOV R5,-(SP) ;SAVE REGISTERS

53 00060 004567 JSR R5,SAVREG

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54 00064 012767      MOV      #MESSP1,ERRPRT      ;ADR OF ERROR PRINT ROUTINE
55 00072 012767 INITKB: MOV      #PDTCS,PDTADR
56 00100 012767      MOV      #MOVC5,DISADR
57 00106 012767      MOV      #PDTK5,PDTINP
58 00114 012702      MOV      #INPUT1,R2
59 00120 005067      CLR      GICMD-2
60 00124 005067      CLR      TCO
61
62      ;
63      ;      PROCESS INPUT DATA
64 00130 016746 KB1A1: MOV      ADDRES,-(SP)
65 00134 016700      MOV      PDTADR,R0
66 00140 042760      BIC      #2000,2(R0)
67 00146 005000      CLR      R0
68 00150 005200 KB1A:  INC      R0
69 00152 005200      INC      R0
70 00154 005060      CLR      RETADR(R0)
71 00160 020027      CMP      R0,#20.
72 00164 100771      BMI      KB1A
73 00166 005067      CLR      VID
74 00172 005067      CLR      VSTADR
75 00176 012703      MOV      #INPUT,R3
76 00202 005067      CLR      ICHARS
77
78      ; GET REQUEST INTO 'INPUT'
79      ;
80 00206 111223 KB1B:  MOVB     (R2),(R3)+
81 00210 105022      CLRB     (R2)+
82 00212 105712      TSTB     (R2)
83 00214 001402      BEQ      KB1C
84 00216 005267      INC      ICHARS
85 00222 020327 KB1C:  CMP      R3,#INPUT+9.
86 00226 100767      BMI      KB1B
87 00230 062767      ADD      #3, ICHARS
88 00236 016700      MOV      ICHARS,R0
89 00242 116760      MOVB     TCO, INPUT-2(R0)
90 00250 152760      BISB     #60, INPUT-2(R0)
91 00256 105260      INCB     INPUT-2(R0)
92 00262 012767      MOV      #CMK1,ADDRES
93
94      ; TEST FOR MATCH ON FIRST 2 CHARACTERS IN INPUT & TABLE PASSED
95      ; ADDRESS OF TABLE MATCH RETURNED IN R0 ; TABLE ADR RETURNED IN 'ADDRES'
96      ;
97 00270 016700 MATCH: MOV      ADDRES,R0
98 00274 026710 TRYNEXT: CMP     INPUT,(R0)
99 00300 001410      BEQ      MATCH1
100 0302 022710      CMP      #-1,(R0)
101 0306 001411      BEQ      NOCMP
102 0310 005710      TST      (R0)
103 0312 001407      BEQ      NOCMP
104 0314 062700      ADD      #4,R0
105 0320 000765      BR       TRYNEXT
106 0322 016067 MATCH1: MOV     2(R0),ADDRES

```

;E-O-T

;E-O-T

```

107 0330 000402      BR      RET
108 0332 005067 NOCMP: CLR      ADDRESS
109 0336 005767 RET:   TST      ADDRESS
110 0342 001003      BNE      PROCA      ;MATCH ON COMMANDS
111 0344 012767      MOV      #ILLK1,ADDRESS ; INVALID REQ'T
112
113      ; TABLE PROCESS LOOP ROUTINE      (ADDRESS OF TABLE IS IN ADDRESS)
114
115 0352 022777 PROCA: CMP      #-1,0ADDRESS      ; -1 TERMINATES TABLE
116 0360 001412      BEQ      PROCE
117 0362 005777      TST      @ADDRESS
118 0366 001407      BEQ      PROCE
119 0370 017700      MOV      @ADDRESS,R0
120 0374 004510      JSR      R5,(R0)      ; GIVE CONTROL TO ROUTINE ADR
121 0376 062767 PROCB: ADD      #2,ADDRESS
122 0404 000762      BR      PROCA
123 0406 012667 PROCE: MOV      (SP)+,ADP
124 0412 004567      JSR      R5,RSTRE
125 0416 012605      MOV      (SP)+,R5
126 0420 142767      BICB     #11,DSFLAG+1      ; RESET EDIT FLAGS
127 0426 000205      RTS      R5
128
129      ;
130      ;

```

LEGAL KEYBOARD COMMANDS WITH ASSOCIATED PROCESSING TABLE

```

131 0430      302 CMK1: .BYTE    302,303
132 0432 000540 .WORD    RS
133 0434      303      .BYTE    303,303
134 0436 000572 .WORD    SS
135 0440      215      .BYTE    215,302
136 0442 000644 .WORD    MR
137 0444      204      .BYTE    204,217
138 0446 000702 .WORD    DO
139 0450      205      .BYTE    205,217
140 0452 000730 .WORD    EO
141 0454      203      .BYTE    203,201
142 0456 000756 .WORD    CA
143 0460      201      .BYTE    201,302
144 0462 001342 .WORD    AR
145 0464      302      .BYTE    302,302
146 0466 000772 .WORD    RR
147 0470      304      .BYTE    304,302
148 0472 001650 .WORD    TR
149 0474      204      .BYTE    204,302
150 0476 001444 .WORD    DR
151 0500      302      .BYTE    302,210
152 0502 001720 .WORD    RH
153 0504      303      .BYTE    303,304
154 0506 001710 .WORD    ST
155 0510      101      .BYTE    101,101
156 0512 001074 .WORD    AA
157 0514      101      .BYTE    101,104
158 0516 001176 .WORD    AD
159 0520      123      .BYTE    123,101

```



```

160 0522 001614' .WORD SPAK
161 0524 177777 .WORD -1
162 ;
163 ; INVALID REQUEST ON 'K1'
164 ;
165 0526 000000GILLK1: .WORD S200.1
166 0532 000000G .WORD SUB10,ERR24,-1
167 ;
168 ; ROUTE STATUS REQUEST
169 ;
170 0540 002316'RS: .WORD S210.-1 ; TEST FOR CRT ENABLED, I/O BUSY
171 0544 004262' .WORD S217B ; UPDATE VSTAT, DISABLE TRACK
172 0546 002134' .WORD S201.100460.40.600.400 ; UPDATE PDT
173 0560 000000G .WORD S200.6 ; OUTPUT COMMAND TO CRT
174 0564 002354' .WORD S211.1.-1 ; LOG COMMAND AND RETURN
175 ;
176 ; SECURITY STATUS REQUEST
177 ;
178 0572 002316'SS: .WORD S210.-1 ; TEST FOR CRT ENABLED, I/O BUSY
179 0576 002220' .WORD S208 ; CONVERT VVV TO ASCII
180 0600 000000G .WORD SUB20.2 ; CONVERT VVV TO BINARY
181 0604 000000G .WORD S105 ; TEST FOR VVV IN VSTAT
182 0606 000000G .WORD SUB07,ERR10 ; INVALID IF NOT IN VSTAT
183 0612 000000G .WORD S121 ; TEST FOR TRUCKING CO.
184 0614 000000G .WORD SUB07,ERR11 ; INVALID IF NOT PROPER CO.
185 0620 000000G .WORD SUB25 ; UPDATE VID
186 0622 002134' .WORD S201.100460.20.600.200 ; UPDATE PDT
187 0634 000000G .WORD S226 ; STORE VEHICLE NO. IN B300 AND INITIATE
188 ; SECURITY STATUS UPDATE
189 0636 002354' .WORD S211.2.-1 ; LOG COMMAND AND RETURN
190 ;
191 ; MILEAGE REQUEST
192 ;
193 0644 002316'MR: .WORD S210.-1 ; TEST FOR CRT ENABLED NOT BUSY
194 0650 002652' .WORD S212.S200.1.-1 ; TEST FOR SS MODE, VEH NORMAL
195 0660 002134' .WORD S201.100460.20.600.200 ; UPDATE PDT
196 0672 003126' .WORD S214 ; GET MILEAGE DATA AND CONVERT
197 0674 002354' .WORD S211.3.-1 ; LOG DATA
198 ;
199 ; DISABLE OUT OF ROUTE
200 ;
201 ;
202 0702 002316'DO: .WORD S210.-1 ; TEST FOR CRT ENABLED NOT BUSY
203 0706 002652' .WORD S212.S200.1.-1 ; TEST FOR SS MODE, VEH NORMAL
204 0716 002730' .WORD S213.1 ; UPDATE STATUS AREA
205 0722 002354' .WORD S211.4.-1 ; LOG DATA AND RETURN
206 ;
207 ; ENABLE OUT OF ROUTE
208 ;
209 0730 002316'EO: .WORD S210.-1 ; TEST FOR CRT ENABLED NOT BUSY
210 0734 002652' .WORD S212.S200.1.-1 ; TEST FOR SS MODE, VEH NORMAL
211 0744 002730' .WORD S213.0 ; UPDATE STATUS AREA
212 0750 002354' .WORD S211.5.-1 ; LOG DATA AND RETURN

```

```

213      ;
214      ;
215      ;      ACKNOWLEDGE ALARM/ALERT
216      ;
217 0756 004302'CA: .WORD S218
218 0760 000000G .WORD S200.1
219 0764 002354' .WORD S211.6,-1
220      ;
221      ;      ASSIGN ROUTE NUMBERS
222      ;
223 0772 002316'RR: .WORD S210.-1      ; TEST FOR CRT ENABLED. I/O BUSY
224 0776 002652' .WORD S212.S200.1,-1      ; TEST FOR SS MODE. VEH NORMAL
225 1006 002220' .WORD S208      ; CONVERT DATA TO ASCII
226 1010 000000G .WORD SUB33      ; GET INPUT DATA
227 1012 000000G .WORD SUB07.ERR12      ; BAD NUMBER CONVERSION
228 1016 000000G .WORD S133      ; VALIDATE ROUTE(S)
229 1020 000000G .WORD SUB07.ERR50      ; BAD ROUTE
230 1024 002134' .WORD S201.460.20.600.200      ; UPDATE PDT
231 1036 000000G .WORD SUB60      ; GET VOLATL BLK
232 1040 000000G .WORD SUB07.ERR27      ; NONE AVAILABLE
233 1044 000000G .WORD S115      ; READ VREF RECORD
234 1046 000000G .WORD SUB07.ERR20      ; BAD READ
235 1052 000000G .WORD SUB34      ; UPDATE VREF BUFFER WITH ROUTE(S)
236 1054 000000G .WORD SUB35      ; WRITE VREF BACK
237 1056 000000G .WORD SUB61      ; RELEASE VOLATL BUFFER
238 1060 000000G .WORD SUB07.ERR22      ; BAD WRITE
239 1064 004374' .WORD S219
240 1066 002354' .WORD S211.12,-1
241      ;
242      ;      ARM SPECIFIC VEHICLE
243      ;
244 1074 005226'AA: .WORD S228.SUB06.AAA
245 1102 002316' .WORD S210.-1      ; TEST FOR CRT ENABLED. I/O BUSY
246 1106 002220' .WORD S208      ; CONVERT VVV TO ASCII
247 1110 000000G .WORD SUB20.2      ; CONVERT VVV TO BINARY
248 1114 000000G .WORD S105      ; TEST FOR VVV IN VSTAT
249 1116 000000G .WORD SUB07.ERR10      ; INVALID IF NOT IN VSTAT
250 1122 000000G .WORD S121      ; TEST FOR TRUCKING CO.
251 1124 000000G .WORD SUB07.ERR11      ; INVALID IF NOT PROPER CO.
252 1130 000000G .WORD SUB25      ; UPDATE VID
253 1132 000000G .WORD S118.10
254 1136 000000G .WORD S136.21.2
255 1144 000000G .WORD S135.2.2
256 1152 000000G .WORD S135.20000.24
257 1160 005102' .WORD S224
258 1162 000000G .WORD S112
259 1164 002354' .WORD S211.14
260 1170 000000G .WORD S200.1.-1
261      ;
262      ;      DISARM SPECIFIC VEHICLE
263      ;
264 1176 005226'AD: .WORD S228.SUB06.ADA
265 1204 002316' .WORD S210.-1      ; TEST FOR CRT ENABLED. I/O BUSY

```

```

266 1210 002220' .WORD S208 ; CONVERT VVV TO ASCII
267 1212 000000G .WORD SUB20.2 ; CONVERT VVV TO BINARY
268 1216 000000G .WORD S105 ; TEST FOR VVV IN VSTAT
269 1220 000000G .WORD SUB07.ERR10 ; INVALID IF NOT IN VSTAT
270 1224 000000G .WORD S121 ; TEST FOR TRUCKING CO.
271 1226 000000G .WORD SUB07.ERR11 ; INVALID IF NOT PROPER CO.
272 1232 000000G .WORD SUB25 ; UPDATE VID
273 1234 000000G .WORD S118.6 ; SETUP DISABLE SENSORS COMMAND
274 1240 000000G .WORD S136.33720.2 ; CLR VSTAT REM ALM & PENDING
275 1246 000000G .WORD S136.137577.4
276 1254 000000G .WORD S136.177776.12
277 1262 000000G .WORD S136.160000.14
278 1270 000000G .WORD S136.17.16
279 1276 000000G .WORD S136.127777.24
280 1304 000000G .WORD S135.4000.12
281 1312 000000G .WORD S135.400.2
282 1320 000000G .WORD S135.12000.26
283 1326 005146' .WORD S225
284 1330 002354' .WORD S211.13
285 1334 000000G .WORD S200.1.-1
286 ;
287 ;
288 ;
289 1342 002354' AR: .WORD S211.7
290 1346 000000G .WORD SUB07.AAX
291 1352 002354' AAA: .WORD S211.17
292 1356 005046' AAX: .WORD S223
293 1360 000000GACA: .WORD SUB46
294 1362 000000G .WORD SUB07.AB
295 1366 000000G .WORD S121
296 1370 000000G .WORD SUB07.ACB
297 1374 000000G .WORD SUB25
298 1376 000000G .WORD S118.10
299 1402 000000G .WORD S136.21.2
300 1410 000000G .WORD S135.2.2
301 1416 000000G .WORD S135.20000.24
302 1424 000000G .WORD S112
303 1426 005102' .WORD S224
304 1430 005212' ACB: .WORD S227
305 1432 000000G .WORD SUB06.ACA
306 1436 000000GAB: .WORD S200.1.-1
307 ;
308 ;
309 ;
310 1444 002354' DR: .WORD S211.15
311 1450 000000G .WORD SUB07.ADAX
312 1454 002354' ADA: .WORD S211.21
313 1460 005046' ADAX: .WORD S223
314 1462 000000GADAB: .WORD SUB46
315 1464 000000G .WORD SUB07.ADABA
316 1470 000000G .WORD S121
317 1472 000000G .WORD SUB07.ADB
318 1476 000000G .WORD SUB25

```

```

; CONVERT VVV TO ASCII
; CONVERT VVV TO BINARY
; TEST FOR VVV IN VSTAT
; INVALID IF NOT IN VSTAT
; TEST FOR TRUCKING CO.
; INVALID IF NOT PROPER CO.
; UPDATE VID
; SETUP DISABLE SENSORS COMMAND
; CLR VSTAT REM ALM & PENDING

```

ARM ALL VEHICLES

```

; FINISHED
; TEST FOR TCO IN VSTAT ENTRY
; WRONG TRUCK
; GET VID FROM VSTAT
; SETUP ARM ALARM COMMAND
; CLR NORMAL & REMOTE ALM PENDING
; SET REMOTE ALARM IN VSTAT

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```

; LOOP BACK FOR NEXT

```

DISARM ALL VEHICLES

```

; FINISHED
; TEST FOR TCO IN VSTAT ENTRY
; WRONG TRUCKING CO
; GET VID

```

```

319 1500 000000G .WORD S118,6 ;SETUP DISABLE SENSORS COMMAND
320 1504 000000G .WORD S136,33720,2 ;CLR VSTAT REM ALM & PENDING
321 1512 000000G .WORD S136,137577,4
322 1520 000000G .WORD S136,177776,12
323 1526 000000G .WORD S136,160000,14
324 1534 000000G .WORD S136,17,16
325 1542 000000G .WORD S136,127777,24
326 1550 000000G .WORD S135,4000,12
327 1556 000000G .WORD S135,400,2
328 1564 000000G .WORD S135,12000,26
329 1572 005146' .WORD S225
330 1574 005212'ADB: .WORD S227
331 1576 000000G .WORD SUB06,ADAB ;LOOP FOR NEXT VSTAT ENTRY
332 1602 000000G .WORD SUB71,28. ;SPVEHE EXCEEDED
333 1606 000000GADABA: .WORD S200,1,-1
334
335
336 ACKNOWLEDGE ALARM
337 1614 000000GSPAK: .WORD SUB20,2
338 1620 000000G .WORD S105
339 1622 000000G .WORD SUB07,ERR10
340 1626 000000G .WORD SUB25,S125,S121
341 1634 000000G .WORD SUB07,ERR11
342 1640 004650' .WORD S221
343
344 1642 002354' .WORD S211,16,-1 ; LOG DATA AND RETURN
345 ;
346 ; TRACK ENABLE
347 ;
348 1650 002316' TR: .WORD S210,-1 ; TEST FOR CRT ENABLED, I/O BUSY
349 1654 002652' .WORD S212,S200,1,-1 ; UPDATE VSTADR
350 1664 002134' .WORD S201,100460,100020,600,200 ; UPDATE PDT (SET TRACK ENABLE)
351 1676 004246' .WORD S217A ; SET TRACK ENABLE BIT
352 1700 004002' .WORD S216 ; OUTPUT LOCATION DATA
353 1702 002354' .WORD S211,11,-1 ; LOG DATA AND RETURN
354 ;
355 ;
356 ; START OF SHIFT REQUEST
357 ;
358 1710 003354' ST: .WORD S215
359 1712 002354' .WORD S211,13,-1 ; LOG DATA AND RETURN
360 ;
361 ;
362 ; RECENT HISTORY PRINTOUT
363 ;
364 1720 002316' RH: .WORD S210,-1 ; TEST FOR CRT ENABLED, I/O BUSY
365 1724 002220' .WORD S208 ; CONVERT VVV TO ASCII
366 1726 000000G .WORD SUB20,2 ; CONVERT VVV TO BINARY
367 1732 000000G .WORD S105 ; TEST FOR VVV IN VSTAT
368 1734 000000G .WORD SUB07,ERR10 ; INVALID IF NOT IN VSTAT
369 1740 000000G .WORD S121 ; TEST FOR TRUCKING CO.
370 1742 000000G .WORD SUB07,ERR11 ; INVALID IF NOT PROPER CO.
371 1746 000000G .WORD SUB25 ; UPDATE VID

```

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372 1750 004710' .WORD S222 ; SET UP RECENT HISTORY CALL
373 1752 002354' .WORD S211.21 ; LOG COMMAND AND GET CUT
374 1756 177777 MINUS1: .WORD -1
375 1760 000000GERR10: .WORD S200.1,S209.10.,S211.23,-1
376 1776 000000GERR11: .WORD S200.1,S209.11.,S211.23,-1
377 2014 000000GERR12: .WORD S200.1,S209.12.,S211.23,-1
378 2032 000000GERR20: .WORD S200.1,S209.20.,S211.23,-1
379 2050 000000GERR22: .WORD S200.1,S209.22.,S211.23,-1
380 2066 002270'ERR24: .WORD S209.24.,S211.23,-1
381 2100 000000GERR27: .WORD S200.1,S209.27.,S211.23,-1
382 2116 000000GERR50: .WORD S200.1,S209.50.,S211.23,-1

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```

;*****
; SUB-PROCESS 201 SET-UP PDT
;*****
390 2134 010146 S201: MOV R1,-(SP) ; SAVE R1
391 2136 010246 MOV R2,-(SP) ; SAVE R2
392 2140 016702 MOV ADDRES,R2 ; GET PARAMETER POINTER
393 2144 062702 ADD #2,R2 ; POINT TO DATA
394 2150 062767 ADD #10,ADDRES ; OFFSET RETURN
395 2156 016701 MOV PDTADR,R1 ; GET ADDR OF PDT
396 2162 042211 BIC (R2)+,(R1) ; CLEAR CURRENT DISPLAY MODE
397 2164 052211 BIS (R2)+,(R1) ; SET UP NEW MODE
398 2166 042211 BIC (R2)+,(R1) ; CLEAR PENDING COMMAND MODE
399 2170 052211 BIS (R2)+,(R1) ; SET UP NEW MODE
400 2172 062701 ADD #6,R1 ; INCREMENT POINTER
401 2176 116721 MOVB VID,(R1)+ ; STORE VEHICLE NO.
402 2202 116721 MOVB TCD,(R1)+ ; STORE TRUCKING CO.
403 2206 016711 MOV VSTADR,(R1) ; GET VSTAT ADDR
404 2212 012602 MOV (SP)+,R2 ; RESTORE R2
405 2214 012601 MOV (SP)+,R1 ; RESTORE R1
406 2218 000205 RTS R5 ; RETURN

```

407

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409

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;*****
; SUBPROCESS 208 CONVERT INPUT DATA TO ASCII FORMAT
;*****
412 2220 010146 S208: MOV R1,-(SP) ; SAVE R1
413 2222 012701 MOV #INPUT+2,R1 ; POINT TO INPUT BYTE
414 2226 142711 S208A: BICB #360,(R1) ; CLEAR
415 2232 152721 BISB #60,(R1)+ ; EXTRA
416 2236 142711 BICB #360,(R1) ; BITS
417 2242 152721 BISB #60,(R1)+ ; AND
418 2246 142711 BICB #360,(R1) ; SET
419 2252 152711 BISB #60,(R1) ; ASCII
420 2256 122721 CMPB #140,(R1)+ ; ONLY THREE
421 2262 001761 BEQ S208A ; NO, CONVERT THE REST
422 2264 012601 MOV (SP)+,R1 ; RESTORE R1
423 2266 000205 RTS R5 ; RETURN

```

424

```

425      ;
426      ;      SUP PROCESS 209 OUTPUT ERROR COMMAND TO BASE STATION PRINTER
427      ;
428      ;*****
429 2270 062767 S209:  ADD      #2,ADDRESS      ; INCREMENT POINTER
430 2276 117767      MOV      @ADDRESS,S209A+3  ; STORE ERROR NO.
431 2304 004567      JSR      R5,BASECD      ; CMD PRINTER
432 2310 000      S209A:  .BYTE 0,0,26,,0
433 2314 000205      RTS      R5      ; RETURN
434      ;*****
435      ;
436      ;      SUB-PROCESS      210      TEST FOR CRT ENABLED AND I/O NOT BUSY
437      ;
438      ;*****
439 2316 010146 S210:  MOV      R1,-(SP)      ; SAVE R1
440 2320 016701      MOV      PDTADR,R1      ; GET PDT ADDRESS
441 2324 032711      BIT      #100,(R1)      ; IS DISABLE OR BUSY FLAG SET?
442 2330 001004      BNE      S210A      ; NO, GO AROUND
443 2332 062767      ADD      #2,ADDRESS      ; INCREMENT RETURN
444 2340 000403      BR      S210B
445 2342 005000 S210A:  CLR      R0
446 2344 004567      JSR      R5,S200C
447 2350 012601 S210B:  MOV      (SP)+,R1      ; RESTORE R1
448 2352 000205      RTS      R5      ; RETURN
449      ;*****
450      ;
451      ;      SUB-PROCESS 211 LOG COMMAND TO MAG TAPE FILE
452      ;
453      ;*****
454 2354 005767 S211:  TST      NOLOG
455 2360 001404      BEQ      S211F
456 2362 062767      ADD      #2,ADDRES
457 2370 000205      RTS      R5
458 2372 062767 S211F:  ADD      #2,ADDRES
459 2400 117767      MOV      @ADDRESS,BUFR1+1
460 2406 116767      MOV      TCO,BUFR1
461 2414 122767      CMPB     #12,BUFR1+1
462 2422 100010      BPL      S211D
463 2424 126727      CMPB     BUFR1+1,#21
464 2432 100004      BPL      S211D
465 2434 152767      BISB     #306,BUFR1
466 2442 000403      BR      S211E
467 2444 152767 S211D:  BISB     #302,BUFR1
468 2452 016767 S211E:  MOV      CTIME,BUFR1+2
469 2460 122767      CMPB     #2,BUFR1+1
470 2466 001433      BEQ      S211A
471 2470 122767      CMPB     #14,BUFR1+1
472 2476 001427      BEQ      S211A
473 2500 122767      CMPB     #15,BUFR1+1
474 2506 001423      BEQ      S211A
475 2510 122767      CMPB     #21,BUFR1+1
476 2516 001417      BEQ      S211A
477 2520 122767      CMPB     #12,BUFR1+1

```

478	2526	001424		BEQ	S211C
479	2530	005067		CLR	BUFR1+4
480	2534	005067		CLR	BUFR1+6
481	2540	005067		CLR	BUFR1+10
482	2544	004567	S211B:	JSR	R5,LOGGER
483	2550	002640		.WORD	BUFR1,5
484	2554	000205		RTS	R5
485	2556	016767	S211A:	MOV	INPUT+2,BUFR1+4
486	2564	016767		MOV	INPUT+4,BUFR1+6
487	2572	005067		CLR	BUFR1+10
488	2576	000762		BR	S211B
489	2600	016767	S211C:	MOV	INPUT+2,BUFR1+4
490	2606	016767		MOV	INPUT+4,BUFR1+6
491	2614	116767		MOVB	INPUT+6,BUFR1+7
492	2622	116767		MOVB	INPUT+7,BUFR1+10
493	2630	116767		MOVB	INPUT+10,BUFR1+11
494	2636	000742		BR	S211B
495	2640	000000	BUFR1:	.WORD	0,0,0,0,0

496 : * * * * *
497 :

498 ; SUB-PROCESS 212 TEST FOR CRT IN SS MODE, VEHICLE NORMAL

499
500

```

501 2652 010546 S212:  MOV      R5,-(SP)           ; SAVE R5
502 2654 016705        MOV      PDTADR,R5       ; GET PDT ADDRESS
503 2660 032715        BIT       #20,(R5)        ; IS SS MODE DECLARED?
504 2664 001417        BEQ       S212A          ; NO. GETOUT
505 2666 062705        ADD       #10,R5          ; INCREMENT OFFSET
506 2672 011504        MOV      (R5),R4          ; GET VSTAT ADDRESS
507 2674 011567        MOV      (R5),VSTADR
508 2700 116567        MOVB     -2(R5),VID
509 2706 032764        BIT       #1,2(R4)        ; VEHICLE MODE NORMAL?
510 2714 001403        BEQ       S212A          ; NO. GETOUT
511 2716 062767        ADD       #6,ADDRES      ; OFFSET RETURN
512 2724 012605 S212A:  MOV      (SP)+,R5       ; RESTORE R5
513 2726 000205        RTS       R5             ; RETURN

```

514 ; * * * * *
515 ;

```
516 ; SUB-PROCESS 213 ENABLE/DISABLE OUT OF ROUTE
```

517
518 *****

```

519 2730 010446 S213:  MOV      R4,-(SP)                ; SAVE R4
520 2732 016700      MOV      PDTADR,R0          ; GET PDT ADDRESS
521 2736 016001      MOV      10(R0),R1          ; GET VSTAT ADDRESS
522 2742 011167      MOV      (R1),VID
523 2746 062767      ADD      #2,ADDRES
524 2754 042767      BIC      #177700,VID
525 2762 016704      MOV      ADDRES,R4          ; GET POINTER
526 2766 005714      TST      (R4)              ; IS ENABLE FLAG SET?
527 2770 001404      BEQ      S213A              ; NO, GO AROUND
528 2772 052761      BIS      #20,4(R1)          ; SET OUT OF ROUTE DISABLED BIT
529 3000 000403      BR       S213D
530 3002 042761 S213A: BIC      #20,4(R1)

```

```

531 3010 004567 S213D: JSR      R5,S300      ; LOAD BUFFER
532 3014 116767      MOVB     VID,S300Z     ; STORE VEHICLE ID
533 3022 005767      TST      TCO           ; WHICH TRUCKING CO.
534 3026 001416      BEQ      S213B         ; GO TO TRANSCON
535 3030 106267      ASRB     S300Z
536 3034 004567      JSR      R5,DSFMTR
537 3040 000000G     .WORD    S300Z,22..263,1
538 3050 052767      BIS      #1,PDTC3+2
539 3056 005267      INC      RLD2
540 3062 000417      BR       S213C
541 3064 106267 S213B: ASRB     S300Z
542 3070 105267      INCB     S300Z
543 3074 004567      JSR      R5,DSFMTR
544 3100 000000G     .WORD    S300Z,22..263,0
545 3110 052767      BIS      #1,PDTC5+2
546 3116 005267      INC      RLD1
547 3122 012604 S213C: MOV      (SP)+,R4
548 3124 000205      RTS       R5
549      ;*****
550      ;
551      ;      SUBPROCESS 214 GET MILEAGE DATA AND CONVERT AND OUTPUT (S214Z)
552      ;
553      ;*****
554 3126 004567 S214:  JSR      R5,SAVREG
555 3132 016700      MOV      PDTADR,R0      ; GET PDT ADDRESS
556 3136 016001      MOV      10(R0),R1      ; GET VSTAT ADDRESS
557 3142 016003      MOV      6(R0),R3      ; GET VEHICLE ID
558 3146 042703      BIC      #177700,R3    ; CLEAR EXTRA BITS
559 3152 016104      MOV      24(R1),R4      ; GET ROLLOVER DATA
560 3156 042704      BIC      #177400,R4
561 3162 004567      JSR      R5,BN2DEC     ; CONVERT TO DECIMAL ASCII
562 3166 062704      ADD      #6,R4          ; OFFSET FOR ATABLE
563 3172 012702      MOV      #S214Z+9.,R2   ; GET ADDRESS OF BUFFER
564 3176 114442 S214B: MOVB     -(R4),-(R2)   ; STORE BYTE OF DATA
565 3200 122714      CMPB     #60,(R4)       ; IS CHARACTER ZERO?
566 3204 001374      BNE      S214B         ; NO, TRY AGAIN
567 3206 126427      CMPB     -1(R4),#60
568 3214 001370      BNE      S214B
569 3216 112742 S214C: MOVB     #40, -(R2)    ; STORE SPACES
570 3222 022702      CMP      #S214Z+2,R2   ; IS AT BUFFER END?
571 3226 100773      BMI      S214C         ; NO, TRY AGAIN
572 3230 110367      MOVB     R3,S214Z      ; STORE VEHICLE ID
573 3234 005767      TST      TCO           ; WHICH TRUCKING CO.
574 3240 001416      BEQ      S214D         ; GO TO TRANSCON
575 3242 106267      ASRB     S214Z
576 3246 004567      JSR      R5,DSFMTR
577 3252 003342     .WORD    S214Z,10..263,1
578 3262 052767      BIS      #1,PDTC3+2
579 3270 005267      INC      RLD2
580 3274 000417      BR       S214E
581 3276 106267 S214D: ASRB     S214Z
582 3302 105267      INCB     S214Z
583 3306 004567      JSR      R5,DSFMTR

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584 3312 003342* .WORD S214Z,10.,263,0
585 3322 052767 BIS #1.PDTC5+2
586 3330 005267 INC RLD1
587 3334 004567 S214E: JSR R5,RSTREG
588 3340 000205 RTS R5
589 3342 000 S214Z: .BYTE 0,101,0,0,0,0,0,0,100
590 ;*****
591 ;
592 ; SUB-PROCESS 215 START OF SHIFT PRINTOUT
593 ;
594 ;*****
595 3354 016704 S215: MOV DATE,R4 ; GET DATE WORD
596 3360 042704 BIC #177740,R4 ; CLEAR EXTRA BITS
597 3364 004567 JSR R5,BNDEC ; CONVERT DATA
598 3370 010467 MOV R4,S215A+10
599 3374 016704 MOV DATE,R4 ; GET DATE WORD AGAIN
600 3400 006304 ASL R4 ; SHIFT DATE WORD TO MONTH CHARACTERS
601 3402 006304 ASL R4
602 3404 006304 ASL R4
603 3406 000304 SWAB R4 ; SHIFT TO LOWER BYTE
604 3410 042704 BIC #177760,R4 ; CLEAR EXTRA BITS
605 3414 005304 DEC R4
606 3416 010403 MOV R4,R3
607 3420 006304 ASL R4
608 3422 060304 ADD R3,R4
609 3424 062704 ADD #TAB,R4 ; GET ADDRESS OF TABLE
610 3430 012703 MOV #S215A+13,R3 ; GET ADDRESS OF OUTPUT DATA BUFFER
611 3434 112423 MOV (R4)+,(R3)+ ; STORE DATA
612 3436 112423 MOV (R4)+,(R3)+
613 3440 112423 MOV (R4)+,(R3)+
614 3442 016704 MOV DATE,R4 ; GET DATE WORD AGAIN
615 3446 006204 ASR R4 ; SHIFT TO RIGHT FOR YEAR DATA
616 3450 000304 SWAB R4 ; MOVE TO LOWER BYTE
617 3452 042704 BIC #177600,R4 ; CLEAR EXTRA BITS
618 3456 004567 JSR R5,BNDEC ; CONVERT DATA
619 3462 000304 SWAB R4
620 3464 010467 MOV R4,S215A+22 ; STORE DATA
621 3470 116767 MOV S215A+23,S215A+21
622 3476 112767 MOV #15,S215A+23
623 3504 005767 TST TCO ; WHICH TRUCKING CO.
624 3510 001414 BEQ S215B ; 0 = TRANSCON
625 3512 004567 JSR R5,DSFMTR ; REFORMAT DATA AND OUTPUT
626 3516 003572* .WORD S215A,98.,262,1
627 3526 052767 BIS #10.PDTC3+2 ; SET BUSY BIT
628 3534 005267 INC RLD2 ; SET RAM LOAD RETURN BIT
629 3540 000413 BR S215C ; GO TO RETURN
630 3542 004567 S215B: JSR R5,DSFMTR ; REFORMAT DATA AND OUTPUT
631 3546 003572* .WORD S215A,98.,262,0
632 3556 052767 BIS #10.PDTC5+2
633 3564 005267 INC RLD1
634 3570 000205 S215C: RTS R5
635 3572 012 S215A: .BYTE 12,15
636 3574 104 .ASCII /DATE XX YYY 19ZZ/

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637 3615 015 .BYTE 15,12,12
638 3620 040 .ASCII / VEHICLE NO. TYPE LOCATION
639 3704 124 .ASCII /TIME STOP DURATION /
640 3730 015 .BYTE 15,12,3,40,40,40
641 3736 112 TAB: .ASCII /JANFEBMARAPR MAYJUNJUL AUGSEP OCTNOV DEC/

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642 ;*****

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643 ;
644 ; S216 UPDATE VEHICLE DATA BUFFER
645 ;

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646 ;*****

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647 4002 004567 S216: JSR R5,S301
648 4006 004567 JSR R5,S302
649 4012 004567 JSR R5,S303
650 4016 004567 JSR R5,FNDBUF
651 4022 000000 S216Z: .WORD 0
652 4024 005767 TST S216Z
653 4030 001505 BEQ S216Z2
654 4032 016701 MOV S216Z,R1
655 4036 010167 MOV R1,S216D1
656 4042 010167 MOV R1,S216B1
657 4046 005021 CLR (R1)+
658 4050 116721 MOVB COLOR,(R1)+
659 4054 012700 MOV #VEHNUM,R0
660 4060 112021 S216A: MOVB (R0)+,(R1)+
661 4062 022700 CMP #TELOUT-2,R0
662 4066 100374 BPL S216A
663 4070 112721 MOVB #44,(R1)+
664 4074 012700 MOV #MAKE,R0
665 4100 112021 S216C: MOVB (R0)+,(R1)+
666 4102 022700 CMP #NORMAL-1,R0
667 4106 100374 BPL S216C
668 4110 012700 MOV #TELOUT,R0
669 4114 112021 S216D: MOVB (R0)+,(R1)+
670 4116 022700 CMP #TELOUT+16,R0
671 4122 100374 BPL S216D
672 4124 016701 MOV S216Z,R1
673 4130 016700 MOV VSTADR,R0
674 4134 111011 MOVB (R0),(R1)
675 4136 005767 TST TCO
676 4142 001415 BEQ S216B
677 4144 106211 ASRB (R1)
678 4146 004567 JSR R5,DSFMTR
679 4152 000000 S216D1: .WORD 0,110,,263,1
680 4162 052767 BIS #1,PDTC3+2
681 4170 005267 INC RLD2
682 4174 000415 BR S216E
683 4176 106211 S216B: ASRB (R1)
684 4200 105211 INCB (R1)
685 4202 004567 JSR R5,DSFMTR
686 4206 000000 S216B1: .WORD 0,110,,263,0
687 4216 052767 BIS #1,PDTC5+2
688 4224 005267 INC RLD1
689 4230 016767 S216E: MOV S216Z,S216Z1

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```

; WHICH TRUCKING CO.
; GO TO TRANSCON

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690 4236 004567      JSR      R5,RLSBUF
691 4242 000000 S216Z1: .WORD 0
692 4244 000205 S216Z2: RTS   R5
693          ;*****
694          ;
695          ;       S217 TRACK ENABLE/ DISABLE (VSTAT)
696          ;
697          ;*****
698 4246 016700 S217A: MOV     VSTADR,R0
699 4252 052760      BIS     #10,12(R0)
700 4260 000205      RTS     R5
701 4262 016701 S217B: MOV     PDTADR,R1
702 4266 016100      MOV     10(R1),R0
703 4272 042760      BIC     #10,12(R0)
704 4300 000205      RTS     R5
705          ;*****
706          ;
707          ;       SUB PROCESS 218 ACKNOWLEDGE ALERT/ ALARM
708          ;
709          ;*****
710 4302 005767 S218:  TST     TCO
711 4306 001415      BEQ     S218B
712 4310 005767      TST     GIMBEL
713 4314 001426      BEQ     S218Z
714 4316 032767      BIT     #100000,GIMBEL
715 4324 001003      BNE     S218A
716 4326 005367      DEC     GIMBEL
717 4332 000417      BR      S218Z
718 4334 005067 S218A: CLR     GIMBEL
719 4340 000414      BR      S218Z
720 4342 005767 S218B: TST     TCMBEL
721 4346 001411      BEQ     S218Z
722 4350 032767      BIT     #100000,TCMBEL
723 4356 001003      BNE     S218C
724 4360 005367      DEC     TCMBEL
725 4364 000402      BR      S218Z
726 4366 005067 S218C: CLR     TCMBEL
727 4372 000205 S218Z: RTS     R5
728          ;*****
729          ;
730          ;       SUB-PROCESS 219  OUTPUT ROUTE NUMBERS TO DISPLAY
731          ;
732          ;*****
733 4374 116767 S219:  MOVB    INPUT+2,S219Z+2
734 4402 116767      MOVB    INPUT+3,S219Z+3
735 4410 116767      MOVB    INPUT+4,S219Z+4
736 4416 122767      CMPB    #0,INPUT+6
737 4424 001414      BEQ     S219A
738 4426 116767      MOVB    INPUT+6,S219Z+6
739 4434 116767      MOVB    INPUT+7,S219Z+7
740 4442 116767      MOVB    INPUT+10,S219Z+10
741 4450 112767      MOVB    #54,INPUT+5
742 4456 116767 S219A: MOVB    VID,S219Z

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; STORE VEHICLE NO.

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743 4464 005767      TST      TCO
744 4470 001416      BEQ      S219B      : YES, GO TO TRANSCON
745 4472 106267      ASRB     S219Z      : DIVIDE BY 2
746 4476 004567      JSR      R5,DSFMTR   : FORMAT DATA
747 4502 004616      .WORD    S219Z,10.,263,1
748 4512 005267      INC      RLD2      : SET RAMLOAD FLAG
749 4516 052767      BIS      #1,PDTC3+2  : SET SS PENDING FLAG
750 4524 000417      BR       S219C
751 4526 106267 S219B: ASRB     S219Z      : DIVIDE BY 2
752 4532 005267      INC      S219Z      : ADD OFFSET
753 4536 004567      JSR      R5,DSFMTR   : FORMAT DATA
754 4542 004616      .WORD    S219Z,10.,263,0
755 4552 005267      INC      RLD1      : SET RAMLOAD FLAG
756 4556 052767      BIS      #1,PDTC5+2  : SET SS PENDING FLAG
757 4564 012767 S219C: MOV      #20040,S219Z+2
758 4572 012767      MOV      #20040,S219Z+4
759 4600 012767      MOV      #20040,S219Z+6
760 4606 112767      MOVB     #40,S219Z+10
761 4614 000205      RTS       R5      : RETURN
762 4616 000      S219Z: .BYTE    0,111,40,40,40,40,40,40,100
763      : *****
764      :
765      :      SUB-PROCESS 220  ARM/DISARM SPECIFIC VEHICLES
766      :
767      : *****
768 4630 016767 S220:  MOV      VID,S220A
769 4636 004567      JSR      R5,DSPCMD
770 4642 000000 S220A: .WORD    0,16
771 4646 000205      RTS       R5
772      : *****
773      :
774      :      SUB-PROCESS 221 CALL  REMOTE ALARM SENSOR UPDATE
775      :
776      : *****
777 4650 016767 S221:  MOV      VID,S221A
778 4656 016700      MOV      VSTADR,R0
779 4662 042760      BIC      #1000,12(R0)
780 4670 042760      BIC      #20000,2(R0)
781 4676 004567      JSR      R5,DSPCMD
782 4702 000000 S221A: .WORD    0,15
783 4706 000205      RTS       R5
784      : *****
785      :
786      :      SUB-PROCESS 222 SET-UP PDT AND CALL RECENT HISTORY PRINT
787      :
788      : *****
789 4710 005767 S222:  TST      TCO      : WHICH TRUCKING CO.
790 4714 001011      BNE      S222A      : NOT TRANSCON, GO TO GI
791 4716 012700      MOV      #PDTK5,R0   : GET PDT ADDRESS
792 4722 012701      MOV      #PDTC5+2,R1
793 4726 005067      CLR      K5FLAG     : RESET INPUT DATA FLAG
794 4732 005067      CLR      S222C     : SET CALLING POINTER
795 4736 000406      BR       S222B

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796 4740 012700 S222A: MOV    #PDTK3,R0          ; GET PDT ADDRES
797 4744 012701      MOV    #PDTK3+2,R1
798 4750 005067      CLR    K3FLAG          ; RESET INPUT DATA FLAG
799 4754 116767 S222B: MOVB   VID,S222C      ; SET CALLING POINTER
800 4762 116767      MOVB   TCO,S222C+1
801 4770 005010      CLR    (R0)          ; CLEAR PDT
802 4772 052711      BIS     #2000,(R1)     ; SET FIRST TIME THRU FLAG
803 4776 016760      MOV    VSTADR,10(R0)   ; STORE VSTADR
804 5004 016760      MOV    INPUT+2,12(R0)  ; STORE VEHICLE NO
805 5012 016760      MOV    INPUT+4,14(R0)  ; STORE REST OF VEH NO. AND DAY
806 5020 042760      BIC     #176000,14(R0) ; CLEAR NON-ESSENTIAL BITS
807 5026 052760      BIS     #30000,14(R0) ; SET ASCII DAY
808 5034 004567      JSR     R5,DSPCMD
809 5040 000000 S222C: .WORD  0,15.
810 5044 000205      RTS     R5
811      ;*****
812      ;
813      ;      SUB-PROCESS 223 SET-UP VSTADR AND TCO
814      ;
815      ;*****
816 5046 026727 S223:  CMP     PDTADR,#PDTCS
817 5054 001003      BNE     S223B
818 5056 005067      CLR     TCO
819 5062 000403      BR      S223A
820 5064 012767 S223B: MOV     #1,TCO
821 5072 012767 S223A: MOV     #VSTAT,VSTADR
822 5100 000205      RTS     R5
823      ;*****
824      ;
825      ;      SUB-PROCESS      224      ARM VEHICLE
826      ;
827      ;*****
828 5102 010146 S224:  MOV     R1,-(SP)
829 5104 016701      MOV     VSTADR,R1
830 5110 111167      MOVB   (R1),S224A+2
831 5114 004567      JSR     R5,DTASTR
832 5120 000107 S224A: .WORD  107,0,0
833 5126 111167      MOVB   (R1),S224B
834 5132 004567      JSR     R5,DSPCMD
835 5136 000000 S224B: .WORD  0,13.
836 5142 012601      MOV     (SP)+,R1
837 5144 000205      RTS     R5
838      ;*****
839      ;
840      ;      SUB-PROCESS      225      DISARM VEHICLE
841      ;
842      ;*****
843 5146 010146 S225:  MOV     R1,-(SP)
844 5150 016701      MOV     VSTADR,R1
845 5154 111167      MOVB   (R1),S225A+2
846 5160 004567      JSR     R5,DTASTR
847 5164 000110 S225A: .WORD  110,0,0
848 5172 111167      MOVB   (R1),S225B

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849 5176 004567 JSR      R5, DSPCMD
850 5202 000000 S225B:  .WORD    0, 13.
851 5206 012601      MOV      (SP)+, R1
852 5210 000205      RTS
853      ;*****
854      ;
855      ;      SUB-PROCESS      226      UPDATE VSTADR
856      ;
857      ;*****
858 5212 066767 S227:  ADD      LNGVST, VSTADR
859 5220 005067      CLR      RESULT
860 5224 000205      RTS      R5
861      ;
862      ;*****
863      ;*****
864      ;
865      ;      SUB-PROCESS      228      SET UP FOR CALL TO ALL OR INDIVIDUAL VEH.
866      ;
867      ;*****
868 5226 005067 S228:  CLR      RESULT
869 5232 126727      CMPB     INPUT+2, #101
870 5240 001402      BEQ      S2280
871 5242 005267      INC      RESULT
872 5246 000205 S2280: RTS      R5
873      ;
874      ;      SUB-PROCESS 300 LOAD STATUS BUFFER (S300Z)
875      ;
876      ;*****
877 5250 004567 S300:  JSR      R5, SAVREG      ; SAVE REGISTERS
878 5254 004567 S300A: JSR      R5, FNDBUF     ; FIND BUFFER
879 5260 000000 S300A:  .WORD    0
880 5262 016102      MOV      6(R1), R2      ; GET CURRENT SENSOR DATA
881 5266 116103      MOVB     1(R1), R3      ; GET BLOCK NO.
882 5272 016704      MOV      S300A, R4     ; GET BUFR ADDR
883 5276 010546      MOV      R5, -(SP)    ; SAVE R5
884 5300 004567      JSR      R5, GTVREF    ; GET VREF DATA
885 5304 016403      MOV      36(R4), R3   ; GET SENSOR STATUS
886 5310 016767      MOV      S300A, S300B ; STORE BUFR ADDR
887 5316 004567      JSR      R5, RLSBUF   ; RELEASE BUFFER
888 5322 000000 S300B:  .WORD    0
889 5324 016705      MOV      PDTADR, R5   ; SET ROUTE STATUS ADDRESS
890 5330 012700      MOV      #S300Z+2, R0 ; GET OUTPUT ADDR
891 5334 005010      CLR      (R0)         ; CLEAR
892 5336 005060      CLR      2(R0)        ; DATA
893 5342 005060      CLR      4(R0)        ; WORDS
894 5346 012704      MOV      #400, R4     ; INITIALIZE POINTER
895 5352 030403      BIT      R4, R3       ; IS SENSOR ENABLED
896 5354 001407      BEQ      S300C        ; NO, GO TO NEXT ETEST
897 5356 030402      BIT      R4, R2       ; IS SENSOR ON
898 5360 001403      BEQ      S300B1       ; NO, GO SET OFF BIT
899 5362 152710      BISB     #1, (R0)    ; SET ON BIT
900 5366 000402      BR       S300C        ; GO TO NEXT TEST
901 5370 152710 S300B1: BISB     #2, (R0) ; SET OFF BIT

```

902	5374	006304	S300C:	ASL	R4
903	5376	030403		BIT	R4,R3
904	5400	001407		BEQ	S300D
905	5402	030402		BIT	R4,R2
906	5404	001403		BEQ	S300C1
907	5406	152710		BISB	#4,(R0)
908	5412	000402		BR	S300D
909	5414	152710	S300C1:	BISB	#10,(R0)
910	5420	006304	S300D:	ASL	R4
911	5422	030403		BIT	R4,R3
912	5424	001407		BEQ	S300E
913	5426	030402		BIT	R4,R2
914	5430	001403		BEQ	S300D1
915	5432	152710		BISB	#20,(R0)
916	5436	000402		BR	S300E
917	5440	152710	S300D1:	BISB	#40,(R0)
918	5444	006304	S300E:	ASL	R4
919	5446	030403		BIT	R4,R3
920	5450	001407		BEQ	S300F
921	5452	030402		BIT	R4,R2
922	5454	001403		BEQ	S300E1
923	5456	152710		BISB	#100,(R0)
924	5462	000402		BR	S300F
925	5464	152710	S300E1:	BISB	#200,(R0)
926	5470	005200	S300F:	INC	R0
927	5472	006304		ASL	R4
928	5474	030403		BIT	R4,R3
929	5476	001407		BEQ	S300G
930	5500	030402		BIT	R4,R2
931	5502	001403		BEQ	S300F1
932	5504	152710		BISB	#1,(R0)
933	5510	000402		BR	S300G
934	5512	152710	S300F1:	BISB	#2,(R0)
935	5516	006304	S300G:	ASL	R4
936	5520	030403		BIT	R4,R3
937	5522	001410		BEQ	S300H
938	5524	032702		BIT	#20000,R2
939	5530	001403		BEQ	S300G1
940	5532	152710		BISB	#20,(R0)
941	5536	000402		BR	S300H
942	5540	152710	S300G1:	BISB	#40,(R0)
943	5544	006304	S300H:	ASL	R4
944	5546	030403		BIT	R4,R3
945	5550	001410		BEQ	S300I
946	5552	032702		BIT	#40000,R2
947	5556	001003		BNE	S300H1
948	5560	152710		BISB	#4,(R0)
949	5564	000402		BR	S300I
950	5566	152710	S300H1:	BISB	#10,(R0)
951	5572	006304	S300I:	ASL	R4
952	5574	030403		BIT	R4,R3
953	5576	001410		BEQ	S300IA
954	5600	032702		BIT	#100000,R2

```
: SHIFT TEST BIT  
: IS SENSOR ENABLED  
: NO, GO TO NEXT ETEST  
: IS SENSOR ON  
: NO, GO SET OFF BIT  
: SET ON BIT  
: GO TO NEXT TEST  
: SET OFF BIT  
: SHIFT TEST BIT  
: IS SENSOR ENABLED  
: NO, GO TO NEXT ETEST  
: IS SENSOR ON  
: NO, GO SET OFF BIT  
: SET ON BIT  
: GO TO NEXT TEST  
: SET OFF BIT  
: GO TO NEXT BYTE  
: SHIFT SENSOR  
: IS SENSOR ENABLED  
: NO, GO TO NEXT ETEST  
: IS SENSOR ON  
: NO, GO SET OFF BIT  
: SET ON BIT  
: GO TO NEXT TEST  
: SET OFF BIT  
: SHIFT TEST BIT  
: IS SENSOR ENABLED  
: NO, GO TO NEXT ETEST  
: IS SENSOR ON  
: NO, GO SET OFF BIT  
: SET ON BIT  
: GO TO NEXT TEST  
: SET OFF BIT  
: SHIFT TEST BIT  
: IS SENSOR ENABLED  
: NO, GO TO NEXT ETEST  
: IS SENSOR ON  
: NO, GO SET OFF BIT  
: SET ON BIT  
: GO TO NEXT TEST  
: SET OFF BIT  
: SHIFT TEST BIT  
: IS SENSOR ENABLED  
: NO, GO TO NEXT ETEST  
: IS SENSOR ON
```

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955 5604 001403      BEQ      S300IB      ; NO, GO SET OFF BIT
956 5606 152710      BISR      #200.(R0)  ; SET ON BIT
957 5612 000402      BR       S300IA      ; GO TO NEXT TEST
958 5614 152710 S300IB: BISR      #100.(R0)  ; SET OFF BIT
959 5620 005200 S300IA: INC       R0        ; GO TO NEXT BYTE
960 5622 032761      BIT       #100000.2(R1) ; IS SENSOR ON
961 5630 001003      BNE      S300I1      ; NO, GO SET OFF BIT
962 5632 152710      BISR      #1.(R0)     ; SET ON BIT
963 5636 000402      BR       S300J       ; GO TO NEXT TEST
964 5640 152710 S300I1: BISR      #2.(R0)     ; SET OFF BIT
965 5644 032761 S300J:  BIT       #200.2(R1)  ; IS SENSOR ENABLED
966 5652 001402      BEQ      S300K       ; NO, GO TO NEXT ETEST
967 5654 152710      BISR      #4.(R0)     ; SET ON BIT
968 5660 032761 S300K:  BIT       #100.2(R1)  ; IS SENSOR ENABLED
969 5666 001402      BEQ      S300L       ; NO, GO TO NEXT ETEST
970 5670 152710      BISR      #10.(R0)    ; SET OFF BIT
971 5674 032761 S300L:  BIT       #40.4(R1)   ; IS SENSOR ENABLED
972 5702 001402      BEQ      S300M       ; NO, GO TO NEXT ETEST
973 5704 152710      BISR      #20.(R0)    ; SET OFF BIT
974 5710 032761 S300M:  BIT       #20.4(R1)   ; IS SENSOR ON
975 5716 001402      BEQ      S300N       ; NO, GO SET OFF BIT
976 5720 152710      BISR      #40.(R0)    ; SET ON BIT
977 5724 032761 S300N:  BIT       #4000.2(R1) ; IS SENSOR ON
978 5732 001402      BEQ      S3000      ; NO, GO SET OFF BIT
979 5734 152710      BISR      #100.(R0)    ; SET ON BIT
980
981      ;
982      ;      ALARM PROCESSING
983 5740 032761 S3000:  BIT       #2000.2(R1)  ; IS ALARM FLAG SET
984 5746 001446      BEQ      S300P       ; NO, GO TO ALERT PROCESSING TEST
985 5750 012700      MOV       #S300Z+5,R0
986 5754 105120      COMB      (R0)+
987 5756 005110      COM       (R0)
988 5760 132767      BITB      #10.S300Z+3    ; IS DRIVER ALARM ON?
989 5766 001404      BEQ      S30002      ; NO, GO TEST FOR CARGO DOOR
990 5770 142767      BICB      #10.S300Z+6
991 5776 000422      BR       S30003
992 6000 132767 S30002: BITB      #100.S300Z+2 ; IS CARGO DOOR OPEN
993 6006 001426      BEQ      S300P       ; NO, GO TO ALERT TEST
994 6010 132767      BITB      #2.S300Z+3    ; IS VEHICLE STOPPED
995 6016 001422      BEQ      S300P       ; NO, GO TO ALERT TEST
996 6020 132767      BITB      #10.S300Z+4    ; IS VEHICLE OUT OF ROUTE?
997 6026 001416      BEQ      S300P       ; NO, GO TO ALERT TEST
998 6030 142767      BICB      #100.S300Z+5    ; SET ALARM BITS
999 6036 042767      BIC       #4002.S300Z+6
1000 044 042715 S30003: BIC       #76000.(R5) ; CLEAR OTHER DATA BITS
1001 050 052715      BIS       #3000.(R5)    ; SET ALARM AND COLOR BITS
1002 054 012705      MOV       #S300Y+14.,R5
1003 060 000167      JMP      S300R       ; GET OUT
1004
1005      ;
1006      ;      SENSOR ALERT PROCESSING
1007 064 032761 S300P:  BIT       #1000.12(R1) ; IS SENSOR ALERT FLAG SET?

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```
1008 072 001004 BNE S300PX
1009 074 032761 BIT #20000,2(R1)
1010 102 001434 BEQ S300Q
1011 104 012700 S300PX: MOV #S300X,R0
1012 110 016703 S300P1: MOV S300Z+2,R3
1013 114 012704 MOV #S300Z+5,R4
1014 120 005110 COM (R0)
1015 122 041003 BIC (R0),R3
1016 124 005110 COM (R0)
1017 126 022003 CMP (R0)+,R3
1018 130 001404 BEQ S300P2
1019 132 020027 CMP R0,#S300Y
1020 136 100764 BMI S300P1
1021 140 005003 CLR R3
1022 142 005103 S300P2: COM R3
1023 144 110324 MOVB R3,(R4)+
1024 146 000303 SWAB R3
1025 150 110324 MOVB R3,(R4)+
1026 152 105314 DECB (R4)
1027 154 042715 BIC #76000,(R5)
1028 160 052715 BIS #10000,(R5)
1029 164 012705 MOV #S300Y+28.,R5
1030 170 000167 JMP S300R
1031
1032 ;
1033 ; ROUTE ALERT PROCESSING
1034 174 032761 S300Q: BIT #100,4(R1)
1035 202 001450 BEQ S300RZ
1036 204 012700 MOV #S300Z+5,R0
1037 210 105120 COMB (R0)+
1038 212 105120 COMB (R0)+
1039 214 105110 COMB (R0)
1040 216 032761 BIT #20,4(R1)
1041 224 001006 BNE S300Q1
1042 226 032761 BIT #100,2(R1)
1043 234 001402 BEQ S300Q1
1044 236 142710 BICB #10,(R0)
1045 242 032761 S300Q1: BIT #200,2(R1)
1046 250 001402 BEQ S300Q2
1047 252 142710 BICB #4,(R0)
1048 256 032761 S300Q2: BIT #40,4(R1)
1049 264 001402 BEQ S300Q3
1050 266 142710 BICB #20,(R0)
1051 272 032761 S300Q3: BIT #4000,2(R1)
1052 300 001402 BEQ S300Q4
1053 302 142710 BICB #100,(R0)
1054 306 042715 S300Q4: BIC #76000,(R5)
1055 312 052715 BIS #4000,(R5)
1056 316 012705 MOV #S300Y+21.,R5
1057 322 000423 BR S300R
1058
1059 ; PENDING MODE PROCESSING
1060 ;
```

: NO GO TO ROUTE ALERT TEST
: GET ADDRESS OF TABLE

```

1061 324 032761 S300RZ: BIT      #20.2(R1)
1062 332 001417      BEQ      S300R
1063 334 012700      MOV      #S300Z+5,R0
1064 340 152720      BISR      #377.(R0)+
1065 344 152720      BISR      #377.(R0)+
1066 350 152720      BISR      #377.(R0)+
1067 354 042715      BIC      #76000.(R5)
1068 360 052715      BIS      #20000.(R5)
1069 364 012705      MOV      #S300Y+7.,R5
1070 370 000400      BR       S300R

```

```

1071      ;
1072      ;      LOAD DATA IN ROUTE STATUS
1073      ;

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1074 372 012700 S300R: MOV      #S300Z+10,R0
1075 376 026705 S300R1: CMP     PDTADR,R5
1076 402 001017      BNE      S300RA
1077 404 012705      MOV      #S300Y,R5
1078 410 000414      BR       S300RA
1079 412 012705 S300RB: MOV      #S300Y+7.,R5
1080 416 005067      CLR      S300Z+2
1081 422 105067      CLRB     S300Z+4
1082 426 112767      MOVB     #-1,S300Z+5
1083 434 012767      MOV      #-1,S300Z+6
1084 442 112520 S300RA: MOVB     (R5)+,(R0)+
1085 444 020027      CMP      R0,#S300Z1
1086 450 100752      BMI      S300R1
1087 452 012605      MOV      (SP)+,R5
1088 454 004567      JSR      R5,RSTREG
1089 460 000205      RTS      R5

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1090      ;*****

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1091      ;
1092      ;      SUB-PROCESS 301 LOAD LOCATION DATA IN OUTLOC,TELOUT,VEHNUM
1093      ;

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1094      ;*****

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```

1095 462 010546 S301:  MOV      R5,-(SP)      ; SAVE R5
1096 464 004567      JSR      R5,SAVREG      ; SAVE REGISTERS
1097 470 016700      MOV      VSTADR,R0      ; GET VSTAT ADDRESS
1098 474 062700      ADD      #36,R0          ; ADD OFFSET TO STREET DATA
1099 500 010067      MOV      R0,CONV1+4      ; SOURCE ADDR
1100 504 012767      MOV      #OUTLOC,CONV1+6 ; DESTINATION ADDRESS
1101 512 012705      MOV      #CONV1,R5      ; PARAMETER LIST ADDRESS
1102 516 004767      JSR      PC,R50ASC      ; CONVERT
1103 522 016700      MOV      VSTADR,R0      ; GET VSTAT ADDRESS
1104 526 062700      ADD      #44,R0          ; INCREMENT STREET
1105 532 010067      MOV      R0,CONV1+4      ; SOURCE ADDR
1106 536 012767      MOV      #OUTLOC+10.,CONV1+6 ; DESTINATION ADDRESS
1107 544 012705      MOV      #CONV1,R5      ; PARAMETER LIST ADDRESS
1108 550 004767      JSR      PC,R50ASC      ; CONVERT
1109 554 016700      MOV      VSTADR,R0      ; RESET POINTER
1110 560 005001      CLR      R1             ; CLEAR BUFFER
1111 562 116001      MOVB     34(R0),R1      ; GET CITY NUMBER
1112 566 005301      DEC      R1             ; SET INDEX
1113 570 006301      ASL      R1

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1114 572 010102      MOV      R1,R2          ; TIMES 9
1115 574 006301      ASL       R1
1116 576 060102      ADD       R1,R2
1117 600 062702      ADD       #CTFILE,R2    ; ADD ADDR
1118 604 010267      MOV       R2,CONV1+4    ; SOURCE ADDR
1119 610 012767      MOV       #OUTLOC+20.,CONV1+6 ; DESTINATION ADDRESS
1120 616 012705      MOV       #CONV1,R5     ; PARAMETER LIST ADDRESS
1121 622 004767      JSR       PC,R50ASC     ; CONVERT
1122 626 016700      MOV       VSTADR,R0     ; GET VSTAT ADDRESS
1123 632 032760      BIT       #10,12(R0)    ; IS TRACK ENABLED?
1124 640 001404      BEQ       S301B         ; NO, GO AROUND
1125 642 116067      MOVB      35(R0),OUTLOC+30. ; STORE TRACKING CHAR.
1126 650 000403      BR        S301C         ; GO AROUND
1127 652 112767 S301B: MOVB      #40,OUTLOC+30. ; STORE SPACE
1128 660 105767 S301C: TSTB      OUTLOC+30.
1129 664 001772      BEQ       S301B
1130 666 005002      CLR       R2
1131 670 012702      MOV       #OUTLOC,R2
1132 674 122722 S301CA: CMPB     #44,(R2)+
1133 700 001404      BEQ       S301CB
1134 702 022702      CMP       #TELOUT-2,R2
1135 706 100372      BPL       S301CA
1136 710 000404      BR        S301CC
1137 712 112762 S301CB: MOVB     #46,-1(R2)
1138 720 000765      BR        S301CA
1139 722 005002 S301CC: CLR       R2
1140 724 116002      MOVB      34(R0),R2      ; GET CITY NO.
1141 730 005302      DEC       R2
1142 732 006302      ASL       R2
1143 734 006302      ASL       R2
1144 736 006302      ASL       R2
1145 740 062702      ADD       #TELREF,R2    ; ADD ADDRESS
1146 744 010267      MOV       R2,CONV1+4    ; SOURCE ADDR
1147 750 012767      MOV       #TELOUT,CONV1+6 ; DESTINATION ADDRESS
1148 756 012767      MOV       #12.,CONV1+10  ; CHANGE NO. OF CHAR.
1149 764 012705      MOV       #CONV1,R5     ; PARAMETER LIST ADDRESS
1150 770 004767      JSR       PC,R50ASC     ; CONVERT
1151 774 016700      MOV       VSTADR,R0     ; GET VSTAT ADDRESS
1152 000 062700      ADD       #22,R0        ; ADD OFFSET POINTER
1153 004 012767      MOV       #3,CONV1+10   ; CHANGE NO. OF CHAR.
1154 012 010067      MOV       R0,CONV1+4    ; SOURCE ADDR
1155 016 062767      ADD       #22,CONV1+6   ; ADD OFFSET
1156 024 012767      MOV       #VEHNUM,CONV1+6 ; DESTINATION ADDRESS
1157 032 012705      MOV       #CONV1,R5     ; PARAMETER LIST ADDRESS
1158 036 004767      JSR       PC,R50ASC     ; CONVERT
1159 042 012767      MOV       #9.,CONV1+10  ; RESTORE PARAMETER LIST
1160 050 004567      JSR       R5,RSTREG     ; RESTORE REGISTERS
1161 054 012605      MOV       (SP)+,R5
1162 056 000205      RTS        R5
1163
1164      *****
1165
1166      SUB-PROCESS 302 DETERMINE VEHICLE COLOR BYTE AND LOAD (COLOR)

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1167      ;
1168      ;*****
1169 060 016700 S302:  MOV  VSTADR,R0      ; GET VEHICLE STATUS BUFFER ADDR
1170 064 032760      BIT  #2000,2(R0)    ; IS ALARM FLAG SET?
1171 072 001404      BEQ  S302A          ; NO, GO AROUND
1172 074 112767      MOVB #14,COLOR      ; SET RED COLOR
1173 102 000447      BR   S302F          ; GETOUT
1174 104 032760 S302A: BIT  #1000,12(R0)  ; IS ALERT FLAG SET?
1175 112 001004      BNE  S302AA         ; SET PURPLE COLOR
1176 114 032760      BIT  #20000,2(R0)   ; IS ALERT DECLARED?
1177 122 001404      BEQ  S302B          ; NO, GO AROUND
1178 124 112767 S302AA: MOVB #54,COLOR    ; SET PURPLE COLOR
1179 132 000433      BR   S302F          ; GETOUT
1180 134 032760 S302B: BIT  #100,4(R0)    ; IS ROUTE ALERT FLAG SET?
1181 142 001404      BEQ  S302C          ; NO, GO AROUND
1182 144 112767      MOVB #34,COLOR      ; SET YELLOW COLOR
1183 152 000423      BR   S302F          ; GETOUT
1184 154 032760 S302C: BIT  #200,4(R0)    ; IS NO CONTACT FLAG SET?
1185 162 001404      BEQ  S302D          ; NO, GO AROUND
1186 164 112767      MOVB #64,COLOR      ; SET RED COLOR
1187 172 000413      BR   S302F          ; GETOUT
1188 174 032760 S302D: BIT  #20,2(R0)     ; IS REMOTE ALARM PENDING FLAG SET?
1189 202 001404      BEQ  S302E          ; NO, GO AROUND
1190 204 112767      MOVB #24,COLOR      ; SET GREEN COLOR
1191 212 000403      BR   S302F          ; GETOUT
1192 214 112767 S302E: MOVB #64,COLOR     ; SET CYAN COLOR
1193 222 000205 S302F: RTS  R5            ; GET OUT
1194      ;*****
1195      ;
1196      ;      SUB-PROCESS S303  LOAD MAKE, MODEL, LICENSE, MODE BUFFERS
1197      ;
1198      ;*****
1199 224 004567 S303:  JSR  R5,SAVREG      R5,SAVREG
1200 230 004567      JSR  R5,FNDBUF     R5,FNDBUF
1201 234 000000 S303A: .WORD 0
1202 236 016700      MOV  PDTADR,R0      PDTADR,R0
1203 242 016001      MOV  10(R0),R1      10(R0),R1
1204 246 005003      CLR  R3
1205 250 116103      MOVB 1(R1),R3
1206 254 016704      MOV  S303A,R4      S303A,R4
1207 260 010546      MOV  R5,-(SP)      R5,-(SP)
1208 262 004567      JSR  R5,GTVREF     R5,GTVREF
1209 266 062704      ADD  #54,R4        #54,R4
1210 272 012467      MOV  (R4)+,MAKE    (R4)+,MAKE
1211 276 012467      MOV  (R4)+,MAKE+2  (R4)+,MAKE+2
1212 302 012467      MOV  (R4)+,MODEL  (R4)+,MODEL
1213 306 012467      MOV  (R4)+,MODEL+2 (R4)+,MODEL+2
1214 312 012467      MOV  (R4)+,MODEL+4 (R4)+,MODEL+4
1215 316 112467      MOVB (R4)+,MODEL+6 (R4)+,MODEL+6
1216 322 005204      INC  R4
1217 324 012467      MOV  (R4)+,LICENS  (R4)+,LICENS
1218 330 012467      MOV  (R4)+,LICENS+2 (R4)+,LICENS+2
1219 334 012467      MOV  (R4)+,LICENS+4 (R4)+,LICENS+4

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1220 340 112467      MOVB      (R4)+,LICENS+6
1221 344 005204      INC       R4
1222 346 012467      MOV       (R4)+,ROUTES
1223 352 112467      MOVB      (R4)+,ROUTES+2
1224 356 122714      CMPB      #40,(R4)
1225 362 001412      BEQ       S303D
1226 364 112767      MOVB      #54,ROUTES+3
1227 372 112467      MOVB      (R4)+,ROUTES+4
1228 376 112467      MOVB      (R4)+,ROUTES+5
1229 402 112467      MOVB      (R4)+,ROUTES+6
1230 406 000411      BR        S303E
1231 410 112767      S303D: MOVB      #40,ROUTES+3
1232 416 012767      MOV       #20040,ROUTES+4
1233 424 112767      MOVB      #40,ROUTES+6
1234 432 016700      S303E: MOV       PDIADR,R0
1235 436 016001      MOV       10(R0),R1
1236 442 032761      BIT       #1,2(R1)
1237 450 001415      BEQ       S303F
1238 452 016767      MOV       NORMAL,MODE
1239 460 016767      MOV       NORMAL+2,MODE+2
1240 466 016767      MOV       NORMAL+4,MODE+4
1241 474 116767      MOVB      NORMAL+6,MODE+6
1242 502 000414      BR        S303G
1243 504 016767      S303F: MOV       RALARM,MODE
1244 512 016767      MOV       RALARM+2,MODE+2
1245 520 016767      MOV       RALARM+4,MODE+4
1246 526 116767      MOVB      RALARM+6,MODE+6
1247 534 016767      S303G: MOV       S303A,S303B
1248 542 004567      JSR       R5,RLSBUF
1249 546 000000      S303B: .WORD      0
1250 550 012605      MOV       (SP)+,R5
1251 552 004567      JSR       R5,RSTREG
1252 556 000205      RTS       R5
1253
1254      000001      .END

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AA	001074R	AAA	001352R	AAX	001356R
AB	001436R	ACA	001360R	ACB	001430R
AD	001176R	ADA	001454R	ADAB	001462R
ADABA	001606R	ADAX	001460R	ADB	001574R
ADDRES=	***** G	AR	001342R	BASECD=	***** G
BNDEC =	***** G	BN2DEC=	***** G	BUFR1	002640R
CA	000756R	CMK1	000430R	COLOR =	***** G
CONV1 =	***** G	CTFILE=	***** G	CTIME =	***** G
DATE =	***** G	DISADR=	***** G	DO	000702R
DR	001444R	DSEDK3	000000RG	DSEDK5	000056RG
DSFLAG=	***** G	DSFMTR=	***** G	DSPCMD=	***** G
DTASTR=	***** G	EO	000730R	ERRPRT=	***** G
ERR10	001760R	ERR11	001776R	ERR12	002014R
ERR20	002032R	ERR22	002050R	ERR24	002066R
ERR27	002100R	ERR50	002116R	FNDBUF=	***** G
GICMD =	***** G	GIMBEL=	***** G	GTVREF=	***** G
ICHARS=	***** G	ILLK1	000526R	INITKA	000014R
INITKB	000072R	INPUT =	***** G	INPUT1=	***** G
INPUT2=	***** G	KB1A	000150R	KB1A1	000130R
KB1B	000206R	KB1C	000222R	K3FLAG=	***** G
K5FLAG=	***** G	LICENS=	***** G	LNGVST=	***** G
LOGGER=	***** G	MAKE =	***** G	MATCH	000270R
MATCH1	000322R	MESSP1=	***** G	MINUS1	001756R
MODE =	***** G	MODEL =	***** G	MOV3 =	***** G
MOVCS =	***** G	MR	000644R	NOCMP	000332R
NOLOG =	***** G	NORMAL=	***** G	OUTLOC=	***** G
PC =	%000007	PDTADR=	***** G	PDTC3 =	***** G
PDTC5 =	***** G	PDTINP=	***** G	PDTK3 =	***** G
PDTK5 =	***** G	PROCA	000352R	PROCB	000376R
PROCE	000406R	RALARM=	***** G	RESULT=	***** G
RET	000336R	RETADR=	***** G	RH	001720R
RLD1 =	***** G	RLD2 =	***** G	RLSBUF=	***** G
ROUTES=	***** G	RR	000772R	RS	000540R
RSTREG=	***** G	R0	%000000	R1	%000001
R2	%000002	R3	%000003	R4	%000004
R5	%000005	R50ASC=	***** G	SAVREG=	***** G
SP	%000006	SPAK	001614R	SS	000572R
ST	001710R	SUB06 =	***** G	SUB07 =	***** G
SUB10 =	***** G	SUB20 =	***** G	SUB25 =	***** G
SUB33 =	***** G	SUB34 =	***** G	SUB35 =	***** G
SUB46 =	***** G	SUB60 =	***** G	SUB61 =	***** G
SUB71 =	***** G	S105 =	***** G	S112 =	***** G
S115 =	***** G	S118 =	***** G	S121 =	***** G
S125 =	***** G	S133 =	***** G	S135 =	***** G
S136 =	***** G	S139 =	***** G	S200 =	***** G
S200C =	***** G	S201	002134R	S208	002220R
S208A	002226R	S209	002270R	S209A	002310R
S210	002316R	S210A	002342R	S210B	002350R
S211	002354R	S211A	002556R	S211B	002544R
S211C	002600R	S211D	002444R	S211E	002452R
S211F	002372R	S212	002652R	S212A	002724R
S213	002730R	S213A	003002R	S213B	003064R
S213C	003122R	S213D	003010R	S214	003126R

S214B	003176R	S214C	003216R	S214D	003276R
S214E	003334R	S214Z	003342R	S215	003354R
S215A	003572R	S215B	003542R	S215C	003570R
S216	004002R	S216A	004060R	S216B	004176R
S216B1	004206R	S216C	004100R	S216D	004114R
S216D1	004152R	S216E	004230R	S216Z	004022R
S216Z1	004242R	S216Z2	004244R	S217A	004246R
S217B	004262R	S218	004302R	S218A	004334R
S218B	004342R	S218C	004366R	S218Z	004372R
S219	004374R	S219A	004456R	S219B	004526R
S219C	004564R	S219Z	004616R	S220	004630R
S220A	004642R	S221	004650R	S221A	004702R
S222	004710R	S222A	004740R	S222B	004754R
S222C	005040R	S223	005046R	S223A	005072R
S223B	005064R	S224	005102R	S224A	005120R
S224B	005136R	S225	005146R	S225A	005164R
S225B	005202R	S226	= ***** G	S227	005212R
S228	005226R	S2280	005246R	S300	005250R
S300A	005260R	S300AA	005254R	S300B	005322R
S300B1	005370R	S300C	005374R	S300C1	005414R
S300D	005420R	S300D1	005440R	S300E	005444R
S300E1	005464R	S300F	005470R	S300F1	005512R
S300G	005516R	S300G1	005540R	S300H	005544R
S300H1	005566R	S300I	005572R	S300IA	005620R
S300IB	005614R	S300I1	005640R	S300J	005644R
S300K	005660R	S300L	005674R	S300M	005710R
S300N	005724R	S300O	005740R	S300O2	006000R
S300O3	006044R	S300P	006064R	S300PX	006104R
S300P1	006110R	S300P2	006142R	S300Q	006174R
S300Q1	006242R	S300Q2	006256R	S300Q3	006272R
S300Q4	006306R	S300R	006372R	S300RA	006442R
S300RB	006412R	S300RZ	006324R	S300R1	006376R
S300X =	***** G	S300Y =	***** G	S300Z =	***** G
S300Z1 =	***** G	S301	006462R	S301B	006652R
S301C	006660R	S301CA	006674R	S301CB	006712R
S301CC	006722R	S302	007060R	S302A	007104R
S302AA	007124R	S302B	007134R	S302C	007154R
S302D	007174R	S302E	007214R	S302F	007222R
S303	007224R	S303A	007234R	S303B	007546R
S303D	007410R	S303E	007432R	S303F	007504R
S303G	007534R	TAB	003736R	TCMBEL =	***** G
TCO =	***** G	TELOUT =	***** G	TELREF =	***** G
TR	001650R	TRYNEXT	000274R	VEHNUM =	***** G
VID =	***** G	VSTADR =	***** G	VSTAT =	***** G
...V2 =	000001				
.ABS.	000000				
	007560				

000
001
ERRORS DETECTED: 0
FREE CORE: 16572. WORDS

.LP:/C:=DSEDIT.MAC

...V2	1-18#						
AA	1-156	1-244#					
AAA	1-244	1-291#					
AAAX	1-290	1-292#					
AB	1-294	1-306#					
ACA	1-293#	1-305					
ACB	1-296	1-304#					
AD	1-158	1-264#					
ADA	1-264	1-312#					
ADAB	1-314#	1-331					
ADABA	1-315	1-333#					
ADAX	1-311	1-313#					
ADB	1-317	1-330#					
ADDRES	1-32#	1-64	1-92*	1-97	1-106*	1-108*	1-109
	1-111*	1-115	1-117	1-119	1-121*	1-123*	1-392
	1-394*	1-429*	1-430	1-443*	1-456*	1-458*	1-459
	1-511*	1-523*	1-525				
AR	1-144	1-289#					
BASECD	1-25#	1-431					
BN2DEC	1-25#	1-561					
BNDEC	1-32#	1-597	1-618				
BUFR1	1-459*	1-460*	1-461	1-463	1-465*	1-467*	1-468*
	1-469	1-471	1-473	1-475	1-477	1-479*	1-480*
	1-481*	1-483	1-485*	1-486*	1-487*	1-489*	1-490*
	1-491*	1-492*	1-493*	1-495*			
CA	1-142	1-217#					
CMK1	1-92	1-131#					
COLOR	1-33#	1-658	1-;72*	1-;78*	1-;82*	1-;86*	1-;90*
	1-;92*						
CONV1	1-29#	1-;99*	1-;00*	1-;01	1-;05*	1-;06*	1-;07
	1-;18*	1-;19*	1-;20	1-;46*	1-;47*	1-;48*	1-;49
	1-;53*	1-;54*	1-;55*	1-;56*	1-;57	1-;59*	
CTFILE	1-29#	1-;17					
CTIME	1-33#	1-468					
DATE	1-32#	1-595	1-599	1-614			
DISADR	1-30#	1-43*	1-56*				
DO	1-138	1-202#					
DR	1-150	1-310#					
DSEDK3	1-22#	1-36#					
DSEDK5	1-22#	1-52#					
DSFLAG	1-23#	1-126*					
DSFMTR	1-25#	1-536	1-543	1-576	1-583	1-625	1-630
	1-678	1-685	1-746	1-753			
DSPCMD	1-23#	1-769	1-781	1-808	1-834	1-849	
DTASTR	1-22#	1-831	1-846				
EO	1-140	1-209#					
ERR10	1-182	1-249	1-269	1-339	1-368	1-375#	
ERR11	1-184	1-251	1-271	1-341	1-370	1-376#	
ERR12	1-227	1-377#					
ERR20	1-234	1-378#					
ERR22	1-238	1-379#					
ERR24	1-166	1-380#					
ERR27	1-232	1-381#					
ERR50	1-229	1-382#					
ERRPRT	1-30#	1-38*	1-54*				
FNDBUF	1-25#	1-650	1-878	1-<00			

GICMD	1-34#	1-47*	1-59*				
GIBEL	1-33#	1-712	1-714	1-716*	1-718*		
GTREF	1-25#	1-884	1-808				
ICHARS	1-31#	1-76*	1-84*	1-87*	1-88		
ILLK1	1-111	1-165#					
INITKA	1-42#						
INITKB	1-55#						
INPUT	1-31#	1-75	1-85	1-89*	1-90*	1-91*	1-98
	1-413	1-485	1-486	1-489	1-490	1-491	1-492
	1-493	1-733	1-734	1-735	1-736	1-738	1-739
	1-740	1-741*	1-804	1-805	1-869		
INPUT1	1-32#	1-58					
INPUT2	1-32#	1-46					
K3FLAG	1-23#	1-798*					
K5FLAG	1-23#	1-793*					
KB1A	1-68#	1-72					
KB1A1	1-48	1-64#					
KB1B	1-80#	1-86					
KB1C	1-83	1-85#					
LICENS	1-30#	1-17*	1-18*	1-19*	1-20*		
LNGVST	1-31#	1-858					
LOGGER	1-23#	1-482					
MAKE	1-34#	1-664	1-10*	1-11*			
MATCH	1-97#						
MATCH1	1-99	1-105#					
MESSP1	1-25#	1-38	1-54				
MINUS1	1-374#						
MODE	1-30#	1-38*	1-39*	1-40*	1-41*	1-43*	1-44*
	1-45*	1-46*					
MODEL	1-30#	1-12*	1-13*	1-14*	1-15*		
MOVCS	1-23#	1-43					
MOVCS	1-23#	1-56					
MR	1-136	1-193#					
NOCMP	1-101	1-103	1-108#				
NOLOG	1-34#	1-454					
NORMAL	1-34#	1-666	1-38	1-39	1-40	1-41	
OUTLOC	1-29#	1-80	1-86	1-19	1-25*	1-27*	1-28
	1-31						
PDTADR	1-30#	1-42*	1-55*	1-65	1-395	1-440	1-502
	1-520	1-555	1-701	1-816	1-889	1-75	1-802
	1-34						
PDTCS	1-24#	1-42	1-538*	1-578*	1-627*	1-680*	1-749*
	1-797						
PDTCS	1-24#	1-55	1-545*	1-585*	1-632*	1-687*	1-756*
	1-792	1-816					
PDTINP	1-30#	1-44*	1-57*				
PDTK3	1-24#	1-44	1-796				
PDTK5	1-24#	1-57	1-791				
PROCA	1-110	1-115#	1-122				
PROCB	1-121#						
PROCE	1-116	1-118	1-123#				
R50ASC	1-29#	1-82	1-88	1-21	1-50	1-58	
RALARM	1-30#	1-43	1-44	1-45	1-46		
RESULT	1-33#	1-859*	1-868*	1-871*			
RET	1-107	1-109#					
RETRDR	1-31#	1-70*					
RH	1-152	1-364#					

RLD1	1-34#	1-546*	1-586*	1-633*	1-688*	1-755*	
RLD2	1-34#	1-539*	1-579*	1-628*	1-681*	1-748*	
RLSBUF	1-25#	1-690	1-887	1-<48			
ROUTES	1-30#	1-<22*	1-<23*	1-<26*	1-<27*	1-<28*	1-<29*
	1-<31*	1-<32*	1-<33*				
RR	1-146	1-223#					
RS	1-132	1-170#					
RSTREG	1-32#	1-124	1-587	1-188	1-160	1-<51	
S105	1-28#	1-181	1-248	1-268	1-338	1-367	
S112	1-28#	1-258	1-302				
S115	1-28#	1-233					
S118	1-28#	1-253	1-273	1-298	1-319		
S121	1-28#	1-183	1-250	1-270	1-295	1-316	1-340
	1-369						
S125	1-29#	1-340					
S133	1-28#	1-228					
S135	1-28#	1-255	1-256	1-280	1-281	1-282	1-300
	1-301	1-326	1-327	1-328			
S136	1-28#	1-254	1-274	1-275	1-276	1-277	1-278
	1-279	1-299	1-320	1-321	1-322	1-323	1-324
	1-325						
S139	1-28#						
S200	1-29#	1-165	1-173	1-194	1-203	1-210	1-218
	1-224	1-260	1-285	1-306	1-333	1-349	1-375
	1-376	1-377	1-378	1-379	1-381	1-382	
S200C	1-34#	1-446					
S201	1-172	1-186	1-195	1-230	1-350	1-390#	
S208	1-179	1-225	1-246	1-266	1-365	1-412#	
S208A	1-414#	1-421					
S209	1-375	1-376	1-377	1-378	1-379	1-380	1-381
	1-382	1-429#					
S209A	1-430*	1-432#					
S210	1-170	1-178	1-193	1-202	1-209	1-223	1-245
	1-265	1-348	1-364	1-439#			
S210A	1-442	1-445#					
S210B	1-444	1-447#					
S211	1-174	1-189	1-197	1-205	1-212	1-219	1-240
	1-259	1-284	1-289	1-291	1-310	1-312	1-344
	1-353	1-359	1-373	1-375	1-376	1-377	1-378
	1-379	1-380	1-381	1-382	1-454#		
S211A	1-470	1-472	1-474	1-476	1-485#		
S211B	1-482#	1-488	1-494				
S211C	1-478	1-489#					
S211D	1-462	1-464	1-467#				
S211E	1-466	1-468#					
S211F	1-455	1-458#					
S212	1-194	1-203	1-210	1-224	1-349	1-501#	
S212A	1-504	1-510	1-512#				
S213	1-204	1-211	1-519#				
S213A	1-527	1-530#					
S213B	1-534	1-541#					
S213C	1-540	1-547#					
S213D	1-529	1-531#					
S214	1-196	1-554#					
S214B	1-564#	1-566	1-568				
S214C	1-569#	1-571					
S214D	1-574	1-581#					

S214E	1-580	1-587#					
S214Z	1-563	1-570	1-572*	1-575*	1-577	1-581*	1-582*
	1-584	1-589#					
S215	1-358	1-595#					
S215A	1-598*	1-610	1-620*	1-621	1-621*	1-622*	1-626
	1-631	1-635#					
S215B	1-624	1-630#					
S215C	1-629	1-634#					
S216	1-352	1-647#					
S216A	1-660#	1-662					
S216B	1-676	1-683#					
S216B1	1-656*	1-686#					
S216C	1-665#	1-667					
S216D	1-669#	1-671					
S216D1	1-655*	1-679#					
S216E	1-682	1-689#					
S216Z	1-651#	1-652	1-654	1-672	1-689		
S216Z1	1-689*	1-691#					
S216Z2	1-653	1-692#					
S217A	1-351	1-698#					
S217B	1-171	1-701#					
S218	1-217	1-710#					
S218A	1-715	1-718#					
S218B	1-711	1-720#					
S218C	1-723	1-726#					
S218Z	1-713	1-717	1-719	1-721	1-725	1-727#	
S219	1-239	1-733#					
S219A	1-737	1-742#					
S219B	1-744	1-751#					
S219C	1-750	1-757#					
S219Z	1-733*	1-734*	1-735*	1-738*	1-739*	1-740*	1-742*
	1-745*	1-747	1-751*	1-752*	1-754	1-757*	1-758*
	1-759*	1-760*	1-762#				
S220	1-768#						
S220A	1-768*	1-770#					
S221	1-342	1-777#					
S221A	1-777*	1-782#					
S222	1-372	1-789#					
S222A	1-790	1-796#					
S222B	1-795	1-799#					
S222C	1-794*	1-799*	1-800*	1-809#			
S223	1-292	1-313	1-816#				
S223A	1-819	1-821#					
S223B	1-817	1-820#					
S224	1-257	1-303	1-828#				
S224A	1-830*	1-832#					
S224B	1-833*	1-835#					
S225	1-283	1-329	1-843#				
S225A	1-845*	1-847#					
S225B	1-848*	1-850#					
S226	1-29#	1-187					
S227	1-304	1-330	1-858#				
S228	1-244	1-264	1-868#				
S2280	1-870	1-872#					
S300	1-531	1-877#					
S300A	1-879#	1-882	1-886				
S300AA	1-878#						

S300B	1-886*	1-888#						
S300B1	1-898	1-901#						
S300C	1-896	1-900	1-902#					
S300C1	1-906	1-909#						
S300D	1-904	1-908	1-910#					
S300D1	1-914	1-917#						
S300E	1-912	1-916	1-918#					
S300E1	1-922	1-925#						
S300F	1-920	1-924	1-926#					
S300F1	1-931	1-934#						
S300G	1-929	1-933	1-935#					
S300G1	1-939	1-942#						
S300H	1-937	1-941	1-943#					
S300H1	1-947	1-950#						
S300I	1-945	1-949	1-951#					
S300I1	1-961	1-964#						
S300IA	1-953	1-957	1-959#					
S300IB	1-955	1-958#						
S300J	1-963	1-965#						
S300K	1-966	1-968#						
S300L	1-969	1-971#						
S300M	1-972	1-974#						
S300N	1-975	1-977#						
S300O	1-978	1-983#						
S300O2	1-989	1-992#						
S300O3	1-991	1-:00#						
S300P	1-984	1-993	1-995	1-997	1-:07*			
S300P1	1-:12#	1-:20						
S300P2	1-:18	1-:22#						
S300PX	1-:08	1-:11#						
S300Q	1-:10	1-:34#						
S300Q1	1-:41	1-:43	1-:45#					
S300Q2	1-:46	1-:48#						
S300Q3	1-:49	1-:51#						
S300Q4	1-:52	1-:54#						
S300R	1-:03	1-:30	1-:57	1-:62	1-:70	1-:74*		
S300R1	1-:75#	1-:86						
S300RA	1-:76	1-:78	1-:84#					
S300RB	1-:79#							
S300RZ	1-:35	1-:61#						
S300X	1-29#	1-:11						
S300Y	1-29#	1-:02	1-:19	1-:29	1-:56	1-:69	1-:77	
	1-:79							
S300Z	1-26#	1-29#	1-532*	1-535*	1-537	1-541*	1-542*	
	1-544	1-890	1-985	1-988	1-990*	1-992	1-994	
	1-996	1-998*	1-999*	1-:12	1-:13	1-:36	1-:63	
	1-:74	1-:80*	1-:81*	1-:82*	1-:83*			
S300Z1	1-29#	1-:85						
S301	1-647	1-:95#						
S301B	1-:24	1-:27#	1-:29					
S301C	1-:26	1-:28#						
S301CA	1-:32#	1-:35	1-:38					
S301CB	1-:33	1-:37#						
S301CC	1-:36	1-:39#						
S302	1-648	1-:69#						
S302A	1-:71	1-:74#						
S302AA	1-:75	1-:78#						

S302B	1-:77	1-:80#					
S302C	1-:81	1-:84#					
S302D	1-:85	1-:88#					
S302E	1-:89	1-:92#					
S302F	1-:73	1-:79	1-:83	1-:87	1-:91	1-:93#	
S303	1-649	1-:99#					
S303A	1-<01#	1-<06	1-<47				
S303B	1-<47*	1-<49#					
S303D	1-<25	1-<31#					
S303E	1-<30	1-<34#					
S303F	1-<37	1-<43#					
S303G	1-<42	1-<47#					
SAVREG	1-32#	1-37	1-53	1-554	1-877	1-:96	1-:99
SPAK	1-160	1-337#					
SS	1-134	1-178#					
ST	1-154	1-358#					
SUB06	1-27#	1-244	1-264	1-305	1-331		
SUB07	1-26#	1-182	1-184	1-227	1-229	1-232	1-234
	1-238	1-249	1-251	1-269	1-271	1-290	1-294
	1-296	1-311	1-315	1-317	1-339	1-341	1-368
	1-370						
SUB10	1-27#	1-166					
SUB20	1-26#	1-180	1-247	1-267	1-337	1-366	
SUB25	1-26#	1-185	1-252	1-272	1-297	1-318	1-340
	1-371						
SUB33	1-26#	1-226					
SUB34	1-26#	1-235					
SUB35	1-26#	1-236					
SUB46	1-27#	1-293	1-314				
SUB60	1-27#	1-231					
SUB61	1-27#	1-237					
SUB71	1-27#	1-332					
TAB	1-609	1-641#					
TCMBEL	1-33#	1-720	1-722	1-724*	1-726*		
TCD	1-31#	1-45*	1-60*	1-89	1-402	1-460	1-533
	1-573	1-623	1-675	1-710	1-743	1-789	1-800
	1-818*	1-820*					
TELOUT	1-33#	1-661	1-668	1-670	1-:34	1-:47	
TELREF	1-29#	1-:45					
TR	1-148	1-348#					
TRYNXT	1-98#	1-105					
VEHNUM	1-33#	1-659	1-:56				
VID	1-31#	1-73*	1-401	1-508*	1-522*	1-524*	1-532
	1-742	1-768	1-777	1-799			
VSTADR	1-31#	1-74*	1-403	1-507*	1-673	1-698	1-778
	1-803	1-021*	1-829	1-844	1-850*	1-:97	1-:03
	1-:09	1-:22	1-:51	1-:69			
VSTAT	1-23#	1-821					

...CM1	1-18#	
...CM2	1-18#	
...CM3	1-18#	
...CM4	1-18#	
...V2...	1-17#	1-18
...REGDE	1-17#	1-19

CONTINUED

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1      .TITLE DOLAY1
2      :
3      : THIS ROUTINE IS A COMPOSITE OF SUBPROCESSES FOR
4      : THE DISPATCH STATION CONTROL PROCESSOR.
5      :
6      :
7      .MCALL ..V2....REGDEF
8      .V2...
9      .REGDEF
10     .NLIST BEX
11     :
12     .GLOBL S300X,S300Y,S300Z1,R50ASC,CONV1,CTFILE,S300Z,S200,S226,LOGGER,CTIME
13     .GLOBL SAVREG,GTVREF,RSTREG,TELOUT,DSFMTR,RLT1,RLD2,VEHNUM,DSCMD1,DSCMD2
14     .GLOBL TELREF,OUTLOC,ADDRES,G11BEL,G11BEL,TC1BEL,TCMBEL,PRNORM,COLOR,PDTP1
15     .GLOBL CMDWDG,CMDWDT,GICMD,TCCMD,S408,MOV1,CMDVP1
16     .GLOBL R50ASC,VID,VSTADR,TCO,PDTADR,TCCTR,GICTR
17     .GLOBL S401,S403,S406,S407,S409X,S409Y,S409W,S411,S412,S413
18     .GLOBL K3FLAG,K5FLAG,TCFLAG,GIFLAG,CMDWDA,CMDWDB,CMDWDC
19     .GLOBL DSFLAG,FND8UF,RLSBUF,MODE,A32CTR,B32CTR,PRHSK3,PRHSK5,PDTK3,PDTK5
20     .GLOBL S414,S435,S419,S419A,S418,S420,S421,S422
21     .GLOBL NOLOG,MAKE,MODEL,LICENS,ROUTES,NORMAL,RALARM
22     .GLOBL DFLAGT,DFLAGG,PDTCS,PDTCC,CRFLG1,CRFLG2,BUFC5,BUFC3
23     .GLOBL IFLAG1,IFLAG2,IFLAGX,IFLAG3,IFLAG4,IFLAGY,MOV5,MOV3,TEMP
24     .GLOBL PSWDFG,GBECMD,CURSE1,NO1PTR,NO2PTR,DSCTR3,DSFLG1,DSFLG2,DSFLG3,DSFLG4
25     .GLOBL BASECD,DFLG1,DFLGT1,DSCTR4
26     175676 RBUFC5 = 175676
27     175616 RBUFC3 = 175616
28     :
29     :*****
30     :
31     : SUB-PROCESS 401 LOAD TEL. #, SENSR DTA. & CALL ALRT/ALM PRT
32     :
33     :*****
34     00000 016701 S401: MOV VSTADR,R1 ; GET VSTAT ADDR
35     00004 111067 MOV (R0),S401Z
36     00010 032760 BIT #40,2(R0)
37     00016 001403 BEQ S401AA
38     00020 162767 SUB #24,S401Z
39     00026 112767 S401AA: MOV #131,S401Z+1
40     00034 004567 JSR R5,S300 ; UPDATE SENSOR STATUS
41     00040 004567 JSR R5,S301 ; UPDATE LOCATION DATA
42     00044 012701 MOV #TELOUT,R1 ; GET TELEPHONE # ADDR
43     00050 012700 MOV #S401Z+2,R0 ; GET OUTPUT BUFR ADDR
44     00054 112120 S401A: MOV (R1)+,(R0)+ ; XFR BYTES OF DATA
45     00056 022701 CMP #TELOUT+14,R1 ; TEST FOR END
46     00062 100374 BPL S401A ; NO, GO XFR MORE
47     00064 012701 MOV #S300Z+2,R1 ; GET SENSR BUFR
48     00070 112120 S401B: MOV (R1)+,(R0)+ ; XFR BYTES OF DATA
49     00072 022701 CMP #S300Z1-1,R1 ; TEST FOR END
50     00076 100374 BPL S401B ; NO, GO XFR MORE
51     00100 112720 MOV #100,(R0)+ ; STORE DOLLAR SIGN
52     00104 016767 MOV TCO,S401C+6 ; STORE OUTPUT POINTER
53     00112 004567 JSR R5,S402 ; XFR DATA TO OUTPUT BUFR

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54 00116 000136 S401C: .WORD S401Z.31..263.0
55 00126 004567 JSR R5.S404 ; SET UP CALL FOR ALERT PRINTOUT
56 00132 000021 .WORD 17.
57 00134 000205 RTS R5 ; RETURN
58 00136 000000 S401Z: .WORD 0.0.0.0.0.44.0.0.0.0.0.44.40000
59 ;*****
60 ;
61 ; SUB-PROCESS 402 OUTPUT DATA TO DISPATCH STATION FORMATTER(DISPLAY)
62 ;
63 ;*****
64 00174 012701 S402: MOV #S402B.R1 ; GET PARAMETER LIST ADDRESS
65 00200 012521 MOV (R5)+,(R1)+ ; STORE BUFR ADDR
66 00202 012521 MOV (R5)+,(R1)+ ; STORE NO. OF DATA BYTES
67 00204 012521 MOV (R5)+,(R1)+ ; STORE BUFFER LOCATION
68 00206 005725 TST (R5)+
69 00210 005011 CLR (R1)
70 00212 005767 TST TCO
71 00216 001401 BEQ S402E
72 00220 005211 INC (R1)
73 00222 016701 S402E: MOV S402B.R1 ; GET BUFR ADDR
74 00226 116711 MOVB VID,(R1) ; STORE VEHICLE ID
75 00232 106211 ASRB (R1) ; DIVIDE BY 2
76 00234 005767 TST TCO ; GI OR TRANSCON
77 00240 001001 BNE S402A ; GI, GO AROUND
78 00242 105211 INCB (R1) ; INCREMENT FOR ODD #
79 00244 004567 S402A: JSR R5.DSFMT ; CONVERT DATA
80 00250 000000 S402B: .WORD 0.0.0.0
81 00260 016701 MOV PDTADR.R1 ; GET DEVICE TABLE
82 00264 052761 BIS #10500.2(R1) ; SET BUFR LOAD ONLY
83 00272 005767 TST TCO ; WHICH COMPANY?
84 00276 001003 BNE S402C ; GI, GO AROUND
85 00300 005267 INC RLD1 ; SET RAM LOAD FLAG. - TRANSCON
86 00304 000402 BR S402D ; GETOUT
87 00306 005267 S402C: INC RLD2 ; SET RAM LOAD FLAG-GI
88 00312 000205 S402D: RTS R5 ; RETURN
89 ;*****
90 ;
91 ; SUB-PROCESS 403 LOAD LOCATION DATA AND CALL TEL NO +
92 ;
93 ;*****
94 00314 016767 S403: MOV CMDWDB.CMDWDC
95 00322 122767 CMPB #11.CMDWDB ; IS INPUT A SENSOR ALERT?
96 00330 002404 BLT S403AA ; NO GO TO NEXT TEST
97 00332 062767 ADD #7.CMDWDC ; ADD ALERT OFFSET
98 00340 000407 BR S403AB ; GO TO SUBROUTINE CALL
99 00342 122767 S403AA: CMPB #13.CMDWDB
100 00350 002403 BLT S403AB
101 00352 062767 ADD #10.CMDWDC
102 00360 005767 S403AB: TST TCO
103 00364 001404 BEQ S403X
104 00366 016767 MOV CMDWDC.CMDWDG
105 00374 000403 BR S403Y
106 00376 016767 S403X: MOV CMDWDC.CMDWDT

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107 0404 004567 S403Y: JSR      R5,S301      ; CONVERT LOCATION DATA
108 0410 004567 JSR      R5,S302      ; CONVERT COLOR DATA
109 0414 012701 MOV      #S403C,R1      ; GET BUFR ADDR
110 0420 005021 CLR      (R1)+      ; CLEAR FIRST 2 BYTES
111 0422 116721 MOV      COLOR,(R1)+  ; STORE COLOR BYTE
112 0426 012700 MOV      #VEHNUM,R0    ; GET ADDR OF VEHICLE& LOCATION
113 0432 112021 S403A: MOV      (R0)+,(R1)+  ; XFR DATA BYTES
114 0434 022700 CMP      #TELOUT-2,R0    ; AT END?
115 0440 100374 BPL      S403A      ; NO, TRY AGAIN
116 0442 112711 MOV      #100,(R1)    ; STORE TERMINATION CHAR.
117 0446 004567 JSR      R5,S402      ; OUTPUT DATA
118 0452 000472 S403B: .WORD    S403C,42.,263.0 ;
119 0462 004567 JSR      R5,S404      ; SET CALL FOR TEL.NO.+
120 0466 000020 .WORD    16.
121 0470 000205 RTS      R5      ; RETURN
122 0472 S403C: .BLKW    22.
123      ; *****
124      ;
125      ; SUB-PROCESS 404 SET UP CMD CALL PARAMETERS
126      ;
127      ; *****
128 0546 010146 S404: MOV      R1,-(SP)
129 0550 012701 MOV      #GICMD,R1      ; GET GI ADDR
130 0554 012700 MOV      #DSCMD2,R0    ; TEST FOR TRUCKING CO
131 0560 005767 TST      TCO      ; GI = GO AROUND
132 0564 001004 BNE      S404A
133 0566 012701 MOV      #TCCMD,R1
134 0572 012700 MOV      #DSCMD1,R0    ; GET TRANSCON ADDR
135 0576 012720 S404A: MOV      #1,(R0)+  ; SET FLAG
136 0602 116720 MOV      VID,(R0)+  ; STORE VEHICLE
137 0606 116720 MOV      TCO,(R0)+  ; STORE CO.
138 0612 012510 MOV      (R5)+,(R0)    ; STORE CMD #
139 0614 005021 CLR      (R1)+
140 0616 005011 CLR      (R1)
141 0620 012601 MOV      (SP)+,R1
142 0622 000205 RTS      R5      ; RETURN
143      ; *****
144      ;
145      ; SUB-PROCESS 405 DISPLAY UPDATE PROCESSOR
146      ;
147      ; *****
148 0624 016701 S405: MOV      PDTADR,R1  ; GET DEVICE TABLE
149 0630 032711 BIT      #20,(R1)    ; IS CRT IN SS MODE?
150 0634 001417 BEQ      S405D      ; NO, MUST BE RS MODE
151 0636 126761 CMP      VID,6(R1)    ; IS SAME VEHICLE
152 0644 001010 BNE      S405F      ; NO, COMMAND BELL ONLY
153 0646 004567 JSR      R5,S226      ; CALL BF70 CMD
154 0652 004567 S405C: JSR      R5,S406      ; SET BELL CMD ON RETURN
155 0656 012767 MOV      #6,S405E
156 0664 000205 RTS      R5      ; RETURN
157 0666 012767 S405F: MOV      #1,S405E
158 0674 016746 S405D: MOV      ADDRES,-(SP)
159 0700 012767 MOV      #S405E-2,ADDRES

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160 0706 004567 JSR R5,S200 ; OUTPUT BF80
161 0712 012667 MOV (SP)+,ADDRES
162 0716 000755 BR S405C ; GETOUT
163 0720 000006 S405E: .WORD 6,-1
164 ;*****
165 ;
166 ; SUB-PROCESS 406 OUTPUT BELL CMD FLAGS
167 ;
168 ;*****
169 0724 016701 S406: MOV PDTADR,R1
170 0730 042761 BIC #32000,2(R1)
171 0736 016700 MOV VSTADR,R0 ; GET VSTAT ADDR
172 0742 032760 BIT #20000,2(R0)
173 0750 001011 BNE S406B
174 0752 032760 BIT #2000,2(R0)
175 0760 001005 BNE S406B
176 0762 032760 BIT #100,4(R0)
177 0770 001001 BNE S406B
178 0772 000436 BR S406D
179 0774 012701 S406B: MOV #GI1BEL,R1 ; GETBELL FLAG ADDR - 1 BELL
180 1000 012702 MOV #GIMBEL,R2 ; GET BELL FLAG ADDR - +1 BELLS
181 1004 012703 MOV #GICTR,R3
182 1010 012704 MOV #GIFLAG,R4
183 1014 005767 TST TCO ; WHICH TRUCKING CO.
184 1020 001010 BNE S406A ; GI, GO AROUND
185 1022 012701 MOV #TC1BEL,R1 ; GET BELL FLAG ADDR - 1 BELL
186 1026 012702 MOV #TCMBEL,R2 ; GET BELL FLAG ADDR - +1 BELLS
187 1032 012703 MOV #TCCTR,R3
188 1036 012704 MOV #TCFLAG,R4
189 1042 005014 S406A: CLR (R4)
190 1044 032760 BIT #2000,2(R0) ; IS ALARM FLAG SET
191 1052 001003 BNE S406C ; YES, SET + BELLS FLAG
192 1054 012711 MOV #61,(R1)
193 1060 000403 BR S406D ; GETOUT
194 1062 005212 S406C: INC (R2) ; SET + BELLS FLAG
195 1064 012713 MOV #159,(R3)
196 1070 000205 S406D: RTS R5 ; RETURN
197 ;*****
198 ;
199 ; SUB-PROCESS 407 OUTPUT PRINTER DATA
200 ;
201 ;*****
202 1072 012701 S407: MOV #BUFR,R1 ; GET TEMP BUFR ADDR
203 1076 012700 MOV #PDTPI,R0
204 1102 032777 BIT #1,@VSTADR ; IS THIS A GI TRUCK
205 1110 001004 BNE S407B ; NO, GO TO TRANSCON CLEAR FLAG
206 1112 016767 MOV CMDWDG,CMDWDC
207 1120 000403 BR S407C
208 1122 016767 S407B: MOV CMDWDT,CMDWDC
209 1130 004567 S407C: JSR R5,S407A ; SAVE PDT DATA
210 1134 005067 CLR BUFR1
211 1140 016767 MOV VSTADR,BUFR1+10 ; GET VSTAT ADDR
212 1146 016767 MOV CMDWDC,BUFR1+14 ; STORE COMMAND WORD

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213 1154 012767      MOV      #S408.CMOV1+2      : CHANGE MOV1 ADDR
214 1162 012700      MOV      #BUFR1.R0          : SNAP
215 1166 012701      MOV      #PDT1.R1           : PDT DATA
216 1172 004567      JSR      R5.S407A           : GET PRINTER DATA
217 1176 004567      JSR      R5.PRNORM          : RESTORE
218 1202 012767      MOV      #MOV1.CMOV1+2      : MEMORY
219 1210 012700      MOV      #BUFR1.R0          : LOCATIONS
220 1214 012701      MOV      #PDT1.R1
221 1220 004567      JSR      R5.S407A
222 1224 004567      JSR      R5.S404           : SET CMP FLAG FOR 18.
223 1230 000022      .WORD      18.
224 1232 000205      RTS      R5                : RETURN
225 1234 000000 BUFR:  .WORD      0.0.0.0.0.0
226 1252 000000 BUFR1: .WORD      0.0.0.0.0.0
227
228 1270 012021 S407A: MOV      (R0)+.(R1)+
229 1272 012021      MOV      (R0)+.(R1)+
230 1274 012021      MOV      (R0)+.(R1)+
231 1276 012021      MOV      (R0)+.(R1)+
232 1300 012021      MOV      (R0)+.(R1)+
233 1302 012021      MOV      (R0)+.(R1)+
234 1304 012021      MOV      (R0)+.(R1)+
235 1306 000205      RTS      R5
236      ;*****
237      ;
238      ;      SUB-PROCESS 409 LOG CMD DATA AND LOAD CMDWDC
239      ;
240      ;*****
241 1310 001310 S409W:  .=.
242 1310 005767 S409Y: TST      NOLOG
243 1314 001401      BEQ      S409A
244 1316 000205      RTS      R5
245 1320 012702 S409A: MOV      #BUF1.R2
246 1324 005012      CLR      (R2)
247 1326 112722      MOVB     #124.(R2)+
248 1332 005767      TST      TCO
249 1336 001403      BEQ      S409B
250 1340 152762      BISH     #1.-1(R2)
251 1346 116722 S409B: MOVB     CMDWDA.(R2)+
252 1352 016722      MOV      CTIME.(R2)+
253 1356 016701      MOV      VSTADR.R1
254 1362 062701      ADD      #30.R1
255 1366 012122      MOV      (R1)+.(R2)+
256 1370 012122      MOV      (R1)+.(R2)+
257 1372 012122      MOV      (R1)+.(R2)+
258 1374 005012      CLR      (R2)
259 1376 112722      MOVB     #127.(R2)+
260 1402 005767      TST      TCO
261 1406 001403      BEQ      S409C
262 1410 152762      BISH     #1.-1(R2)
263 1416 116722 S409C: MOVB     CMDWDA.(R2)+
264 1422 016722      MOV      CTIME.(R2)+
265 1426 012701      MOV      #S300Z+2.R1

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266 1432 012122      MOV      (R1)+,(R2)+
267 1434 012122      MOV      (R1)+,(R2)+
268 1436 012122      MOV      (R1)+,(R2)+
269 1440 012767      MOV      #15.,PRTR3+2
270 1446 004567      JSR      R5,PRINTR
271 1452 000205      RTS
272
273 1454 005757 S409X: TST      NOLOG
274 1460 001401      BEQ      S409D
275 1462 000205      RTS
276 1464 012702 S409D: MOV      #BUF1,R2
277 1470 005012      CLR      (R2)
278 1472 112722      MOVB     #132,(R2)+
279 1476 016701      MOV      VSTADR,R1
280 1502 032761      BIT      #2000,2(R1)
281 1510 001403      BEQ      S409E
282 1512 152762      BISB     #40,-1(R2)
283 1520 005767 S409E: TST      TCO
284 1524 001403      BEQ      S409F
285 1526 152762      BISB     #1,-1(R2)
286 1534 116722 S409F: MOVB     CMDWDA,(R2)+
287 1540 016722      MOV      CTIME,(R2)+
288 1544 016701      MOV      VSTADR,R1
289 1550 016122      MOV      6(R1),(R2)+
290 1554 005022      CLR      (R2)+
291 1556 005022      CLR      (R2)+
292 1560 012767      MOV      #10.,PRTR3+2
293 1566 004567      JSR      R5,PRINTR
294 1572 000205      RTS
295
296 1574 005012 PRINTR: CLR      (R2)
297 1576 112722      MOVB     #130,(R2)+
298 1602 016701      MOV      VSTADR,R1
299 1606 032761      BIT      #2000,2(R1)
300 1614 001403      BEQ      PRTR1
301 1616 152762      BISB     #40,-1(R2)
302 1624 005767 PRTR1: TST      TCO
303 1630 001403      BEQ      PRTR2
304 1632 152762      BISB     #1,-1(R2)
305 1640 116722 PRTR2: MOVB     CMDWDA,(R2)+
306 1644 016722      MOV      CTIME,(R2)+
307 1650 062701      ADD      #30,R1
308 1654 012122      MOV      (R1)+,(R2)+
309 1656 012122      MOV      (R1)+,(R2)+
310 1660 012122      MOV      (R1)+,(R2)+
311 1662 032777      BIT      #1,0VSTADR
312 1670 001404      BEQ      PRTR5
313 1672 116762      MOVB     CMDWDT+1,-1(R2)
314 1700 000403      BR       PRTR4
315 1702 116762 PRTR5: MOVB     CMDWDG+1,-1(R2)
316 1710 004567 PRTR4: JSR      R5,LOGGER
317 1714 001722 PRTR3: .WORD    BUF1,15.
318 1720 000205      RTS

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319 1722      BUF1:  .BLKW  15.
320          :*****
321          :
322          :      SUB-PROCESS 410 CLEAR DSCMD1 AND DSCMD2
323          :
324          :*****
325 1760 012701 S410:  MOV    #DSCMD1,R1
326 1764 005021      CLR    (R1)+
327 1766 005021      CLR    (R1)+
328 1770 005021      CLR    (R1)+
329 1772 005021      CLR    (R1)+
330 1774 005021      CLR    (R1)+
331 1776 005011      CLR    (R1)
332 2000 000205      RTS    R5
333          :*****
334          :
335          :      SUB-PROCESS 411 LOAD PTR WITH REMOTE ALARM DATA
336          :
337          :*****
338 2002 016700 S411:  MOV    VSTADR,R0      ; GET VSTAT ADDR
339 2006 005001      CLR    R1              ; CLEAR REG
340 2010 116001      MOVB   1(R0),R1        ; GET VREF BLOCK NO.
341 2014 005767      TST    TCO             ; WHICH TRUCKING CO.
342 2020 001402      BEQ    S411A           ; TRANSCON. GO AROUND
343 2022 162701      SUB    #20.,R1        ; SUBTRACT TRANSCON ASSIGNED BLKS
344 2026 062701 S411A: ADD    #2,R1         ; OFFSET FOR 2 LINES
345 2032 005002      CLR    R2              ; CLEAR REG
346 2034 116002      MOVB   7(R0),R2       ; GET SENSOR STATUS
347 2040 005702      TST    R2             ; ARE ANY SENSORS SET
348 2042 001427      BEQ    S411F           ; NO. GO TO NON-SENSOR TESTS
349 2044 005004      CLR    R4              ; CLEAR REG.
350 2046 012703      MOV    #1,R3          ; INITIALIZE BIT TEST
351 2052 000403      BR     S411C           ; GO TO FIRT TEST
352 2054 006303 S411B: ASL    R3            ; SHIFT ONE BIT POS.
353 2056 062704      ADD    #14,R4         ; UPDATE STAT POINTER
354 2062 030203 S411C: BIT    R2,R3        ; IS SENSOR BIT SET
355 2064 001004      BNE    S411D           ; YES, GO PROCESS
356 2066 022703      CMP    #200,R3       ; AT END?
357 2072 100370      BPL    S411B           ; NO. TRY AGAIN
358 2074 000412      BR     S411F           ; GO TO NON-SENSOR TESTS
359 2076 062704 S411D: ADD    #STAT,R4     ; ADD OFFSET TO TABLE
360 2102 012702 S411DA: MOV   #STATUS,R2   ; GET BUFR ADDR
361 2106 012703      MOV    #13,R3        ; INITIALIZE INDEX
362 2112 112422 S411E: MOVB  (R4)+,(R2)+  ; XFR BYTES OF DATA
363 2114 005303      DEC    R3             ; TEST FOR END
364 2116 100375      BPL    S411E           ; NO. MORE XFR
365 2120 000441      BR     S411J           ; OUTPUT ALERT CODE
366 2122 032760 S411F: BIT    #100000.2(R0) ; IS TAMPER SET
367 2130 001403      BEQ    S411G           ; NO. GO AROUND
368 2132 012704      MOV    #STAT+140,R4  ; SET OFFSET TO TABLE
369 2136 000761      BR     S411DA         ; XFR DATA
370 2140 032760 S411G: BIT    #4000.2(R0)  ; IS COMM OK?
371 2146 001403      BEQ    S411H           ; YES GO OUTPUT NORMAL

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372 2150 012704      MOV      #STAT+154,R4      ; SET OFFSET TO TABLE
373 2154 000752      BR       S411DA            ; XFR DATA
374 2156 012704 S411H: MOV      #STAT+170,R4      ; GET NORMAL ADDR
375 2162 012703      MOV      #13,R3           ; INITIALIZE INDEX
376 2166 012702      MOV      #STA705,R2
377 2172 112422 S411I: MOVB    (R4)+,(R2)+      ; XFR BYTES OF DATA
378 2174 003303      BEQ      R3               ; AT END
379 2176 100375      BPL      S411I            ; NO, XFR MORE
380 2200 016767      MOV      ALC,TYPE          ; XFR OK
381 2206 016767      MOV      ALC+2,TYPE+2
382 2214 016767      MOV      ALC+4,TYPE+4
383 2222 000421      BR       S411K            ; FINISH
384 2224 032760 S411J: BIT      #20000,2(R0)
385 2232 001751      BEQ      S411H
386 2234 016767      MOV      ALERT,TYPE        ; STORE
387 2242 016767      MOV      ALERT+2,TYPE+2    ; ALERT
388 2250 016767      MOV      ALERT+4,TYPE+4    ; DATA
389 2256 112767      MOVB    #52,ALM           ; SET ALARM ASTERISK
390 2264 000403      BR       S411L            ; GO AROUND
391 2266 112767 S411K: MOVB    #40,ALM          ; CLEAR ALARM ASTERISK
392 2274 032760 S411L: BIT      #20000,24(R0)
393 2302 001004      BNE      S411M
394 2304 112767      MOVB    #40,ENBLD
395 2312 000403      BR       S411N
396 2314 112767 S411M: MOVB    #52,ENBLD        ; SET ENABLED ASTERISK
397 2322 010067 S411N: MOV      R0,TABL1+4      ; GET VSTAT
398 2326 062767      ADD      #22,TABL1+4      ; ADD OFFSET TO VEHNUM
399 2334 012767      MOV      #VEH,TABL1+6     ; GET ADDR OF BUFR
400 2342 010146      MOV      R1,-(SP)
401 2344 010546      MOV      R5,-(SP)
402 2346 012705      MOV      #TABL1,R5        ; SET UP R5
403 2352 004767      JSR      PC,R50ASC        ; CONVERT RAD50 TO ASCII
404 2356 012605      MOV      (SP)+,R5
405 2360 012601      MOV      (SP)+,R1
406 2362 000205      RTS      R5
407      ;*****
408      ;
409      ;      SUB-PROCESS 413 OUTPUT DATA TO CRT
410      ;
411      ;*****
412 2364 110167 S413: MOVB    R1,PRTR+2        ; GET LINE #
413 2370 062767      ADD      #37,PRTR+2        ; ADD ADM3A OFFSET FOR Y
414 2376 112767      MOVB    #36,ENBLD+3       ; SET HOME CURSOR
415 2404 012702      MOV      #RLD1,R2         ; INITIALIZE
416 2410 005067      CLR      S413B+6         ; FOR TRANSCON
417 2414 005767      TST      TCO             ; WHICH TRUCKING CO?
418 2420 001404      BEQ      S413A           ; TRANSCON, GO AROUND
419 2422 012702      MOV      #RLD2,R2         ; SET FOR
420 2426 005267      INC      S413B+6         ; GI
421 2432 112767 S413A: MOVB    #40,ENBLD+1
422 2440 122767      CMPB    #52,ALM
423 2446 001003      BNE      S413AA
424 2450 112767      MOVB    #7,ENBLD+1

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425 2456 004567 S413AA: JSR    R5.DSFMTTR      ; OUTPUT DATA TO CRT
426 2462 002516* S413B: .WORD PRTR.44..262.0
427 2472 016701      MOV    PDTADR.R1        ; GET DDT ADDR
428 2476 052761      BIS     #14200.2(R1)      ; SET PDT FOR CRT CALL
429 2504 005212      INC     (R2)              ; SET RAM LOAD FLAG
430 2506 004567      JSR     R5.S404           ; SET RETURN COMMAND FLAG
431 2512 000024      .WORD  20.
432 2514 000205      RTS     R5                ; RETURN
433 2516      033 PRTR: .BYTE 33.75.0.40
434 2522      040 VEH:  .ASCII /
435 2530      040 TYPE: .ASCII /
436 2540      040 ALM:  .ASCII /
437 2544      040 STATUS: .ASCII /
438 2562      040 ENBLD: .ASCII /
439 2564      015      .BYTE 15.12.3.100
440 2570      101 ALC:   .ASCII /ALC /
441 2576      101 ALERT: .ASCII /ALERT /
442 2604      113 STAT: .ASCII /KEY ON /
443 2620      123      .ASCII /SEAT OCC /
444 2634      114      .ASCII /L DOOR OPEN /
445 2650      103      .ASCII /C DOOR OPEN /
446 2664      122      .ASCII /R DOOR OPEN /
447 2700      115      .ASCII /MOVING /
448 2714      104      .ASCII /DRY ALARM /
449 2730      111      .ASCII /INTRUDING /
450 2744      124      .ASCII /TAMPERING /
451 2760      116      .ASCII /NO COMM /
452 2774      116      .ASCII /NORMAL /
453      .EVEN
454 3010 000003 TABL1: .WORD 3.TABL1+10.0.0.3.
455      ;*****
456      ;
457      ; SUB-PROCESS 412 OUTPUT DATA IN PRTR TO CHAR. PRINTER
458      ;
459      ;*****
460 3022 004567 S412: JSR     R5.S411          ; LOAD BUFR
461 3026 012702      MOV     #RLD1.R2          ; SET
462 3032 012703      MOV     #TCFLAG.R3
463 3036 005067      CLR     S412B+6           ; UP TRANSCON
464 3042 112767      MOVB    #12.ENBLD+3
465 3050 005767      TST     TCO                ; WHICH CO?
466 3054 001406      BEQ     S412A             ; TRANSCON = GO AROUND
467 3056 012702      MOV     #RLD2.R2          ; SET UP
468 3062 012703      MOV     #GIFLAG.R3
469 3066 005267      INC     S412B+6           ; GI
470 3072 004567 S412A: JSR     R5.DSFMTTR      ; OUTPUT TO PRINTER
471 3076 002522* S412B: .WORD PRTR+4.40..262.0
472 3106 016701      MOV     PDTADR.R1        ; SET UP
473 3112 052761      BIS     #4010.2(R1)      ; RETURN
474 3120 005212      INC     (R2)              ; CALL
475 3122 005013      CLR     (R3)
476 3124 042761      BIC     #32000.2(R1)
477 3132 000205      RTS     R5                ; RETURN

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478 ;*****
479 ;
480 ; SUB-PROCESS 414 CLEAR BUFFERS IN ISC DISPLAY (R3 = LINE #)
481 ;
482 ;*****
483 3134 004567 S414: JSR R5,FNDBUF
484 3140 000000 S414A: .WORD 0
485 3142 012700 MOV #170,R0
486 3146 012701 MOV #40,R1
487 3152 016702 MOV S414A,R2
488 3156 005012 CLR (R2)
489 3160 110322 MOVB R3,(R2)+
490 3162 105722 TSTB (R2)+
491 3164 112722 MOVB #64,(R2)+
492 3170 110122 S414B: MOVB R1,(R2)+
493 3172 005300 DEC R0
494 3174 100375 BPL S414B
495 3176 016700 MOV S414A,R0
496 3202 012701 MOV #44,R1
497 3206 062700 ADD #2,R0
498 3212 110160 MOVB R1,10(R0)
499 3216 110160 MOVB R1,50(R0)
500
501 3222 110160 MOVB R1,60(R0)
502 3226 110160 MOVB R1,70(R0)
503 3232 110160 MOVB R1,100(R0)
504 3236 110160 MOVB R1,110(R0)
505 3242 110160 MOVB R1,120(R0)
506 3246 110160 MOVB R1,130(R0)
507 3252 110160 MOVB R1,145(R0)
508 3256 005060 CLR 146(R0)
509 3262 005060 CLR 150(R0)
510 3266 005060 CLR 152(R0)
511 3272 062700 ADD #164,R0
512 3276 112710 MOVB #100,(R0)
513 3302 016767 MOV S414A,S414E
514 3310 012701 MOV #RLD1,R1
515 3314 016702 MOV PDTADR,R2
516 3320 005067 CLR S414E+6
517 3324 005767 TST TCO
518 3330 001407 BEQ S414D
519 3332 012701 MOV #RLD2,R1
520 3336 005267 INC S414E+6
521 3342 005067 CLR GIFLAG
522 3346 000402 BR S414DA
523 3350 005067 S414D: CLR TCFLAG
524 3354 004567 S414DA: JSR R5,DSFMTR
525 3360 000000 S414E: .WORD 0,120,263,0
526 3370 052762 BIS #100,2(R2)
527 3376 005211 INC (R1)
528 3400 016767 MOV S414A,S414F
529 3406 004567 JSR R5,RLSBUF
530 3412 000000 S414F: .WORD 0

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531 3414 000205      RTS      R5
532                  ;*****
533                  ;
534                  ;      SUB-PROCESS 418 MODE CHANGE COMMAND
535                  ;
536                  ;*****
537 3416 004567 S418: JSR      R5,S303
538 3422 016767      MOV      TCO,S418B+6
539 3430 016767      MOV      MODE-2, SAV
540 3436 016700      MOV      VSTADR,R0
541 3442 116067      MOV      1(R0),MODE-2
542 3450 112767      MOV      #100,MODE+7
543 3456 032760      BIT      #40,2(R0)
544 3464 001403      BEQ      S418A
545 3466 162767      SUB      #24,MODE-2
546 3474 112767 S418A: MOV      #122,MODE-1
547 3502 004567      JSR      R5,S402
548 3506 177776 S418B: .WORD   MODE-2,10,,263,0
549 3516 112767      MOV      #44,MODE+7
550 3524 016767      MOV      SAV,MODE-2
551 3532 004567      JSR      R5,S404
552 3536 000023      .WORD   19.
553 3540 000205      RTS      R5
554 3542 000000 SAV:  .WORD   0
555                  ;*****
556                  ;
557                  ;      SUB-PROCESS 419 MODE CHANGE DISPLAY UPDATE
558                  ;
559                  ;*****
560 3544 032712 S419:  BIT      #20,(R2)
561 3550 001431      BEQ      S419B
562 3552 126762      CMPB     VID,6(R2)
563 3560 001002      BNE      S419A
564 3562 004567      JSR      R5,S226
565 3566 042762 S419A: BIC      #32000,2(R2)
566 3574 032767      BIT      #1,CMDWDA
567 3602 001406      BEQ      S419AA
568 3604 005067      CLR      TCFLAG
569 3610 012767      MOV      #2000,A32CTR
570 3616 000205      RTS      R5
571 3620 005067 S419AA: CLR      GIFLAG
572 3624 012767      MOV      #2000,B32CTR
573 3632 000205      RTS      R5
574 3634 016746 S419B: MOV      ADDR,-(SP)
575 3640 012767      MOV      #S405E-2,ADDR
576 3646 004567      JSR      R5,S200
577 3652 012667      MOV      (SP)+,ADDR
578 3656 000743      BR      S419A
579                  ;*****
580                  ;
581                  ;      SUBPROCESS      420 COMPLETE THE COMMAND
582                  ;
583                  ;*****

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584 3660 042762 S420: BIC      #2000.2(R2)
585 3666 000205 RTS      R5
586      : *****
587      :
588      : SUB-PROCESS 421 RECENT HISTORY PRINTOUT PROCESSOR
589      :
590      : *****
591 3670 116767 S421:  MOV     CMDWDA,VID
592 3676 116767      MOV     CMDWDA+1,TCO
593 3704 022767      CMP     #1,TCFLAG      : IS THIS THE FIRST TIME THRU
594 3712 001413      BEQ     S421A          : NO. BUT TRANSCON IS ACTIVE
595 3714 022767      CMP     #1,GIFLAG      : IS THIS THE FIRST TIME THRU
596 3722 001437      BEQ     S421D          : NO. BUT GI IS ACTIVE
597 3724 132767      BITB    #1,CMDWDA      : IS THIS THE FIRST TIME THRU
598 3732 001430      BEQ     S421C          : YES AND GI IS REQUESTING
599 3734 112767      MOV     #1,TCFLAG      : SET TRANSCON BUSY FLAG
600 3742 005767 S421A: TST     PDK5
601 3746 001002      BNE     S421AA
602 3750 105267      INCB    DSFLAG
603 3754 005067 S421AA: CLR     TCO          : SET TRUCKING CO FLAG
604 3760 005067      CLR     TCCMD
605 3764 005067      CLR     TCCMD+2
606 3770 004567      JSR     R5,PRHSK3
607 3774 005767      TST     K5FLAG
608 4000 001001      BNE     S421B          : IS OUTPUT FINISHED
609 4002 000430      BR      S421E          : NO. GO AROUND
610 4004 004567 S421B: JSR     R5,S404      : GET OUT
611 4010 000017      .WORD    15.          : CALL COMMAND INPUT
612 4012 000205      RTS      R5          : RETURN
613      :
614 4014 112767 S421C: MOV     #1,GIFLAG      : SET GI BUSY FLAG
615 4022 005767 S421D: TST     PDK3
616 4026 001002      BNE     S421DA
617 4030 105267      INCB    DSFLAG
618 4034 012767 S421DA: MOV     #1,TCO          : SET UP TCO
619 4042 005067      CLR     GICMD
620 4046 005067      CLR     GICMD+2
621 4052 004567      JSR     R5,PRHSK3
622 4056 005767      TST     K3FLAG
623 4062 001350      BNE     S421B          : IS OUTPUT FINISHED
624 4064 004567 S421E: JSR     R5,S404      : NO. GO AGAIN
625 4070 000022      .WORD    18.
626 4072 000205      RTS      R5          : RETURN
627      : *****
628      :
629      : SUB-PROCESS      S422  DISPATCH STATION HALT
630      :
631      : *****
632 4074 005767 S422:  TST     CMDWDA
633 4100 001141      BNE     S422C
634 4102 142767      BICB    #7,DSFLAG+1
635 4110 005067      CLR     DFLAGT
636 4114 005067      CLR     TCCMD-6

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637 4120 004567 JSR R5.BASECD ; OUTPUT ERROR MESSAGE
638 4124 000 .BYTE 0,0,26,40.
639 4130 005067 CLR TCCMD
640 4134 005067 CLR TCCMD+2
641 4140 005267 INC CRFLG1
642 4144 005067 CLR BUFC5+2
643 4150 005067 CLR BUFC5+4
644 4154 012767 MOV #7777,IFLAG1
645 4162 005367 S4221A: DEC IFLAG1
646 4166 100375 BPL S4221A
647 4170 005067 CLR IFLAG1
648 4174 004567 JSR R5.SAVREG
649 4200 012700 MOV #PDTCS,R0
650 4204 012701 MOV #340,R1
651 4210 012702 MOV #344,R2
652 4214 012703 MOV #RBUFC5,R3
653 4220 012704 MOV #IFLAG1,R4
654 4224 004567 JSR R5.S422X
655 4230 042767 BIC #177710,PDTCS
656 4236 005067 CLR PDTCS+2
657 4242 005067 CLR PDTCS+4
658 4246 004567 JSR R5.RSTREG
659 4252 005767 TST S42202
660 4256 001010 BNE S4221B
661 4260 004567 JSR R5.MOVCS
662 4264 004274 .WORD GBF10,4,1
663 4272 000402 BR S4221B
664 4274 107 GBF10: .ASCII /GBF1/
665 4300 005067 S4221B: CLR TEMP+2
666 4304 005067 CLR IFLAGX
667 4310 105067 CLRB PSWDFG
668 4314 005067 CLR IFLAG2
669 4320 105067 CLRB GBFCMD
670 4324 005067 CLR DSCMD1
671 4330 005067 CLR NO1PTR
672 4334 005067 CLR DSCTR3
673 4340 005067 CLR DSFLG3
674 4344 005067 CLR DSFLG1
675 4350 105067 CLRB CURSE1
676 4354 005067 CLR RLD1
677 4360 005067 CLR DFLGT1
678 4364 005067 CLR TC1BEL
679 4370 005067 CLR TCMBEL
680 4374 012767 MOV #1604,DFLGT1-4
681 4402 000205 RTS R5
682 4404 005067 S422C: CLR DFLAGG
683 4410 142767 BICB #70,DSFLAG+1
684 4416 004567 JSR R5.BASECD ; OUTPUT ERROR MESSAGE
685 4422 000 .BYTE 0,0,26,41.
686 4426 005067 CLR GICMD-4
687 4432 005067 CLR GICMD
688 4436 005067 CLR GICMD+2
689 4442 005267 INC CRFLG2

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690 4446 005067 CLR BUFC3+2
691 4452 005067 CLR BUFC3+4
692 4456 012767 MOV #7777, IFLAG3
693 4464 005367 S4222B: DEC IFLAG3
694 4470 100375 BPL S4222B
695 4472 005067 CLR IFLAG3
696 4476 004567 JSR R5, SAVREG
697 4502 012700 MOV #PDT3, R0
698 4506 012701 MOV #300, R1
699 4512 012702 MOV #304, R2
700 4516 012703 MOV #RBUFC3, R3
701 4522 012704 MOV #IFLAG2, R4
702 4526 004567 JSR R5, S422X
703 4532 042767 BIC #177710, PDT3
704 4540 005067 CLR PDT3+2
705 4544 005067 CLR PDT3+4
706 4550 004567 JSR R5, RSTREG
707 4554 005767 TST S42202
708 4560 001005 BNE S422AB
709 4562 004567 JSR R5, MOV3
710 4566 004274 .WORD GBF10, 4, 1
711 4574 005067 S422AB: CLR TEMP+2
712 4600 005067 CLR IFLAG
713 4604 105067 CLRB PSWDFG+1
714 4610 005067 CLR IFLAG4
715 4614 105067 CLRB GBFCMD+1
716 4620 005067 CLR DSCMD2
717 4624 005067 CLR DSCTR4
718 4630 005067 CLR NQ2PTR
719 4634 005067 CLR DSFLG2
720 4640 005067 CLR DSFLG4
721 4644 105067 CLRB CURSE1+1
722 4650 005067 CLR RLD2
723 4654 005067 CLR DFLGG1
724 4660 005067 CLR GI1BEL
725 4664 005067 CLR GIMBEL
726 4670 012767 MOV #1604, DFLGG1-4
727 4676 000205 RTS R5
728
729 4700 032710 S422X: BIT #1, (R0)
730 4704 001077 BNE S422XE
731 4706 011167 MOV (R1), S422XA
732 4712 011267 MOV (R2), S422XB
733 4716 012711 MOV #S422X1, (R1)
734 4722 012712 MOV #S422X2, (R2)
735 4726 012767 MOV #4, S422XC
736 4734 112713 S422X3: MOVB #33, (R3)
737 4740 012714 MOV #3777, (R4)
738 4744 005067 CLR S42201
739 4750 005067 CLR S42201+2
740 4754 005067 CLR S42201+4
741 4760 005067 S422X4: CLR S42201+6
742 4764 005067 CLR S42201+10

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: RESET RAM LOAD FLAG

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743 4770 016767      MOV      S42201+6,S42201+10
744 4776 005314      DEC      (R4)
745 5000 100367      BPL      S422X4
746 5002 005014      CLR      (R4)
747 5004 122767      CMPB     #33,S42201
748 5012 001416      BEQ      S422XR
749 5014 022767      CMP      #1006,S42201
750 5022 001004      BNE      S422X5
751 5024 122767      CMPB     #15,S42201+2
752 5032 001415      BEQ      S422XP
753 5034 005367 S422X5: DEC      S422XC
754 5040 100335      BPL      S422X3
755 5042 052710      BIS      #1,(R0)
756 5046 000402      BR       S422X8
757 5050 112713 S422XR: MOVB     #36,(R3)
758 5054 016711 S422X8: MOV      S422XA,(R1)
759 5060 016712      MOV      S422XB,(R2)
760 5064 000407      BR       S422XE
761 5066 016711 S422XP: MOV      S422XA,(R1)
762 5072 016712      MOV      S422XB,(R2)
763 5076 005067 S422X0: CLR      S42202
764 5102 000402      BR       S422X6
765 5104 005267 S422XE: INC      S42202
766 5110 000205 S422X6: RTS      R5
767
768 5112 010146 S422X1: MOV      R1,-(SP)
769 5114 016701      MOV      S42201+4,R1
770 5120 116361      MOVB     -4(R3),S42201(R1)
771 5126 005267      INC      S42201+4
772 5132 022767      CMP      #5,S42201+4
773 5140 100002      BPL      S422X7
774 5142 005067      CLR      S42201+4
775 5146 012601 S422X7: MOV      (SP)+,R1
776 5150 000002 S422X2: RTI
777 5152 000000 S422XA: .WORD    0
778 5154 000000 S422XB: .WORD    0
779 5156 000000 S422XC: .WORD    0
780 5160 000000 S42201: .WORD    0,0,0,0
781 5172 000000 S42202: .WORD    0
782      ;*****
783      ;
784      ;      SUB-PROCESS 300 LOAD STATUS BUFFER (S300Z)
785      ;
786      ;*****
787 5174 004567 S300:   JSR      R5,SAVREG      ; SAVE REGISTERS
788 5200 004567 S300A: JSR      R5,FNDBUF      ; FIND BUFFER
789 5204 000000 S300A: .WORD    0
790 5206 016102      MOV      6(R1),R2      ; GET CURRENT SENSOR DATA
791 5212 116103      MOVB     1(R1),R3      ; GET BLOCK NO.
792 5216 016704      MOV      S300A,R4      ; GET BUFR ADDR
793 5222 010546      MOV      R5,-(SP)      ; SAVE R5
794 5224 004567      JSR      R5,GTVREF      ; GET VREF DATA
795 5230 016403      MOV      36(R4),R3      ; GET SENSOR STATUS

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796 5234 016767	MOV	S300A,S300B	: STORE BUFR ADDR
797 5242 004567	JSR	R5,RLSBUF	: RELEASE BUFFER
798 5246 000000	S300B: .WORD	0	
799 5250 016705	MOV	PDTADR,R5	: SET ROUTE STATUS ADDRESS
800 5254 012700	MOV	#S300Z+2,R0	: GET OUTPUT ADDR
801 5260 005010	CLR	(R0)	: CLEAR
802 5262 005050	CLR	2(R0)	: DATA
803 5266 005060	CLR	4(R0)	: WORDS
804 5272 012704	MOV	#400,R4	: INITIALIZE POINTER
805 5276 030403	BIT	R4,R3	: IS SENSOR ENABLED
806 5300 001407	BEQ	S300C	: NO, GO TO NEXT ETEST
807 5302 030402	BIT	R4,R2	: IS SENSOR ON
808 5304 001403	BEQ	S300B1	: NO, GO SET OFF BIT
809 5306 152710	BISB	#1,(R0)	: SET ON BIT
810 5312 000402	BR	S300C	: GO TO NEXT TEST
811 5314 152710	S300B1: BISB	#2,(R0)	: SET OFF BIT
812 5320 006304	S300C: ASL	R4	: SHIFT TEST BIT
813 5322 030403	BIT	R4,R3	: IS SENSOR ENABLED
814 5324 001407	BEQ	S300D	: NO, GO TO NEXT ETEST
815 5326 030402	BIT	R4,R2	: IS SENSOR ON
816 5330 001403	BEQ	S300C1	: NO, GO SET OFF BIT
817 5332 152710	BISB	#4,(R0)	: SET ON BIT
818 5336 000402	BR	S300D	: GO TO NEXT TEST
819 5340 152710	S300C1: BISB	#10,(R0)	: SET OFF BIT
820 5344 006304	S300D: ASL	R4	: SHIFT TEST BIT
821 5346 030403	BIT	R4,R3	: IS SENSOR ENABLED
822 5350 001407	BEQ	S300E	: NO, GO TO NEXT ETEST
823 5352 030402	BIT	R4,R2	: IS SENSOR ON
824 5354 001403	BEQ	S300D1	: NO, GO SET OFF BIT
825 5356 152710	BISB	#20,(R0)	: SET ON BIT
826 5362 000402	BR	S300E	: GO TO NEXT TEST
827 5364 152710	S300D1: BISB	#40,(R0)	: SET OFF BIT
828 5370 006304	S300E: ASL	R4	: SHIFT TEST BIT
829 5372 030403	BIT	R4,R3	: IS SENSOR ENABLED
830 5374 001407	BEQ	S300F	: NO, GO TO NEXT ETEST
831 5376 030402	BIT	R4,R2	: IS SENSOR ON
832 5400 001403	BEQ	S300E1	: NO, GO SET OFF BIT
833 5402 152710	BISB	#100,(R0)	: SET ON BIT
834 5406 000402	BR	S300F	: GO TO NEXT TEST
835 5410 152710	S300E1: BISB	#200,(R0)	: SET OFF BIT
836 5414 005200	S300F: INC	R0	: GO TO NEXT BYTE
837 5416 006304	ASL	R4	: SHIFT SENSOR
838 5420 030403	BIT	R4,R3	: IS SENSOR ENABLED
839 5422 001407	BEQ	S300G	: NO, GO TO NEXT ETEST
840 5424 030402	BIT	R4,R2	: IS SENSOR ON
841 5426 001403	BEQ	S300F1	: NO, GO SET OFF BIT
842 5430 152710	BISB	#1,(R0)	: SET ON BIT
843 5434 000402	BR	S300G	: GO TO NEXT TEST
844 5436 152710	S300F1: BISB	#2,(R0)	: SET OFF BIT
845 5442 006304	S300G: ASL	R4	: SHIFT TEST BIT
846 5444 030403	BIT	R4,R3	: IS SENSOR ENABLED
847 5446 001410	BEQ	S300H	: NO, GO TO NEXT ETEST
848 5450 032702	BIT	#20000,R2	: IS SENSOR ON


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849 5454 001403      BEQ      S300G1      ; NO. GO SET OFF BIT
850 5456 152710      BISR      #20.(R0)   ; SET ON BIT
851 5462 000402      BR        S300H       ; GO TO NEXT TEST
852 5464 152710 S300G1: BISR      #40.(R0)   ; SET OFF BIT
853 5470 006304 S300H: ASL        R4        ; SHIFT TEST BIT
854 5472 030403      BIT        R4,R3      ; IS SENSOR ENABLED
855 5474 001410      BEQ      S300I       ; NO. GO TO NEXT ETEST
856 5476 032702      BIT        #40000,R2  ; IS SENSOR ON
857 5502 001003      BNE      S300H1      ; NO. GO SET OFF BIT
858 5504 152710      BISR      #4.(R0)     ; SET ON BIT
859 5510 000402      BR        S300I       ; GO TO NEXT TEST
860 5512 152710 S300H1: BISR      #10.(R0)   ; SET OFF BIT
861 5516 006304 S300I: ASL        R4        ; SHIFT TEST BIT
862 5520 030403      BIT        R4,R3      ; IS SENSOR ENABLED
863 5522 001410      BEQ      S300IA      ; NO. GO TO NEXT ETEST
864 5524 032702      BIT        #100000,R2 ; IS SENSOR ON
865 5530 001403      BEQ      S300IB      ; NO. GO SET OFF BIT
866 5532 152710      BISR      #200.(R0)   ; SET ON BIT
867 5536 000402      BR        S300IA      ; GO TO NEXT TEST
868 5540 152710 S300IB: BISR      #100.(R0)  ; SET OFF BIT
869 5544 005200 S300IA: INC        R0       ; GO TO NEXT BYTE
870 5546 032761      BIT        #100000,2(R1) ; IS SENSOR ON
871 5554 001003      BNE      S300I1      ; NO. GO SET OFF BIT
872 5556 152710      BISR      #1.(R0)     ; SET ON BIT
873 5562 000402      BR        S300J       ; GO TO NEXT TEST
874 5564 152710 S300I1: BISR      #2.(R0)   ; SET OFF BIT
875 5570 032761 S300J: BIT        #200,2(R1) ; IS SENSOR ENABLED
876 5576 001402      BEQ      S300K       ; NO. GO TO NEXT ETEST
877 5600 152710      BISR      #4.(R0)     ; SET ON BIT
878 5604 032761 S300K: BIT        #100,2(R1) ; IS SENSOR ENABLED
879 5612 001402      BEQ      S300L       ; NO. GO TO NEXT ETEST
880 5614 152710      BISR      #10.(R0)    ; SET OFF BIT
881 5620 032761 S300L: BIT        #40,4(R1)  ; IS SENSOR ENABLED
882 5626 001402      BEQ      S300M       ; NO. GO TO NEXT ETEST
883 5630 152710      BISR      #20.(R0)    ; SET OFF BIT
884 5634 032761 S300M: BIT        #20,4(R1)  ; IS SENSOR ON
885 5642 001402      BEQ      S300N       ; NO. GO SET OFF BIT
886 5644 152710      BISR      #40.(R0)    ; SET ON BIT
887 5650 032761 S300N: BIT        #4000,2(R1) ; IS SENSOR ON
888 5656 001402      BEQ      S300O       ; NO. GO SET OFF BIT
889 5660 152710      BISR      #100.(R0)   ; SET ON BIT
890
891      ;
892      ;
893 5664 032761 S300O: BIT        #2000,2(R1) ; IS ALARM FLAG SET
894 5672 001446      BEQ      S300P       ; NO. GO TO ALERT PROCESSING TEST
895 5674 012700      MOV        #S300Z+5,R0
896 5700 105120      COMB      (R0)+
897 5702 005110      COM        (R0)
898 5704 132767      BITB      #10,S300Z+3  ; IS DRIVER ALARM ON?
899 5712 001404      BEQ      S300Q2      ; NO. GO TEST FOR CARGO DOOR
900 5714 142767      BICB      #10,S300Z+6
901 5722 000422      BR        S300Q3

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902 5724 132767 S30002: BITB    #100.S300Z+2    ; IS CARGO DOOR OPEN
903 5732 001426      BEQ      S300P             ; NO. GO TO ALERT TEST
904 5734 132767      BITB    #2.S300Z+3         ; IS VEHICLE STOPPED
905 5742 001422      BEQ      S300P             ; NO. GO TO ALERT TEST
906 5744 132767      BITB    #10.S300Z+4        ; IS VEHICLE OUT OF ROUTE?
907 5752 001416      BEQ      S300P             ; NO. GO TO ALERT TEST
908 5754 142767      BICB    #100.S300Z+5       ; SET ALARM BITS
909 5762 042767      BIC      #4002.S300Z+6
910 5770 042715 S30003: BIC      #76000.(R5)    ; CLEAR OTHER DATA BITS
911 5774 052715      BIS      #3000.(R5)        ; SET ALARM AND COLOR BITS
912 6000 012705      MOV      #S300Y+14..R5
913 6004 000167      JMP      S300R             ; GET OUT
914
915 ;
916 ;
917 6010 032761 S300P: BIT      #1000.12(R1)    ; IS SENSOR ALERT FLAG SET?
918 6016 001004      BNE      S300PX
919 6020 032761      BIT      #20000.2(R1)
920 6026 001434      BEQ      S300Q             ; NO GO TO ROUTE ALERT TEST
921 6030 012700 S300PX: MOV      #S300X.R0      ; GET ADDRESS OF TABLE
922 6034 016703 S300P1: MOV      S300Z+2.R3
923 6040 012704      MOV      #S300Z+5.R4
924 6044 005110      COM      (R0)
925 6046 041003      BIC      (R0).R3
926 6050 005110      COM      (R0)
927 6052 022003      CMP      (R0)+.R3
928 6054 001404      BEQ      S300P2
929 6056 020027      CMP      R0.#S300Y
930 6062 100764      BMI      S300P1
931 6064 005003      CLR      R3
932 6066 005103 S300P2: COM      R3
933 6070 110324      MOVB     R3.(R4)+
934 6072 000303      SWAB     R3
935 6074 110324      MOVB     R3.(R4)+
936 6076 105314      DECB     (R4)
937 6100 042715      BIC      #76000.(R5)
938 6104 052715      BIS      #10000.(R5)
939 6110 012705      MOV      #S300Y+20..R5
940 6114 000167      JMP      S300R
941
942 ;
943 ;
944 6120 032761 S300Q: BIT      #100.4(R1)
945 6126 001450      BEQ      S300RZ
946 6130 012700      MOV      #S300Z+5.R0
947 6134 105120      COMB     (R0)+
948 6136 105120      COMB     (R0)+
949 6140 105110      COMB     (R0)
950 6142 032761      BIT      #20.4(R1)
951 6150 001006      BNE      S300Q1
952 6152 032761      BIT      #100.2(R1)
953 6160 001402      BEQ      S300Q1
954 6162 142710      BICB     #10.(R0)

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955 6166 032761 S300Q1: BIT    #200.2(R1)
956 6174 001402      BEQ      S300Q2
957 6176 142710      BICB     #4.(R0)
958 6202 032761 S300Q2: BIT    #40.4(R1)
959 6210 001402      BEQ      S300Q3
960 6212 142710      BICB     #20.(R0)
961 6216 032761 S300Q3: BIT    #4000.2(R1)
962 6224 001402      BEQ      S300Q4
963 6226 142710      BICB     #100.(R0)
964 6232 042715 S300Q4: BIC    #76000.(R5)
965 6236 052715      BIS      #4000.(R5)
966 6242 012705      MOV      #S300Y+21..R5
967 6246 000423      BR       S300R
968      :
969      : PENDING MODE PROCESSING
970      :
971 6250 032761 S300R2: BIT    #20.2(R1)
972 6256 001417      BEQ      S300R
973 6260 012700      MOV      #S300Z+5.R0
974 6264 152720      BISB     #377.(R0)+
975 6270 152720      BISB     #377.(R0)+
976 6274 152720      BISB     #377.(R0)+
977 6300 042715      BIC      #76000.(R5)
978 6304 052715      BIS      #20000.(R5)
979 6310 012705      MOV      #S300Y+7..R5
980 6314 000400      BR       S300R
981      :
982      : LOAD DATA IN ROUTE STATUS
983      :
984 6316 012700 S300R: MOV      #S300Z+10.R0
985 6322 026705 S300R1: CMP      PDIADR.R5
986 6326 001017      BNE      S300RA
987 6330 012705      MOV      #S300Y.R5
988 6334 000414      BR       S300RA
989 6336 012705 S300RB: MOV      #S300Y+7..R5
990 6342 005067      CLR      S300Z+2
991 6346 105067      CLRB     S300Z+4
992 6352 112767      MOVB     #-1.S300Z+5
993 6360 012767      MOV      #-1.S300Z+6
994 6366 112520 S300RA: MOVB     (R5)+.(R0)+
995 6370 020027      CMP      R0.#S300Z1
996 6374 100752      BMI      S300R1
997 6376 012605      MOV      (SP)+.R5
998 6400 004567      JSR      R5.RSTREG
999 6404 000205      RTS      R5
1000      : *****
1001      :
1002      : SUB-PROCESS 301 LOAD LOCATION DATA IN OUTLOC.TEOUT.VEHNUM
1003      :
1004      : *****
1005 406 010546 S301: MOV      R5.-(SP)      : SAVE R5
1006 410 004567      JSR      R5.SAVREG      : SAVE REGISTERS
1007 414 016700      MOV      VSTADR.R0      : GET VSTAT ADDRESS

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1008 420 062700	ADD	#36,R0	; ADD OFFSET TO STREET DATA
1009 424 010067	MOV	R0,CONV1+4	; SOURCE ADDR
1010 430 012767	MOV	#OUTLOC,CONV1+6	; DESTINATION ADDRESS
1011 436 012705	MOV	#CONV1,R5	; PARAMETER LIST ADDRESS
1012 442 004767	JSR	PC,R50ASC	; CONVERT
1013 446 016700	MOV	VSTADR,R0	; GET VSTAT ADDRESS
1014 452 062700	ADD	#44,R0	; INCREMENT STREET
1015 456 010067	MOV	R0,CONV1+4	; SOURCE ADDR
1016 462 012767	MOV	#OUTLOC+10,CONV1+6	; DESTINATION ADDRESS
1017 470 012705	MOV	#CONV1,R5	; PARAMETER LIST ADDRESS
1018 474 004767	JSR	PC,R50ASC	; CONVERT
1019 500 016700	MOV	VSTADR,R0	; RESET POINTER
1020 504 005001	CLR	R1	; CLEAR BUFFER
1021 506 116001	MOVB	34(R0),R1	; GET CITY NUMBER
1022 512 005301	DEC	R1	; SET INDEX
1023 514 006301	ASL	R1	
1024 516 010102	MOV	R1,R2	; TIMES 9
1025 520 006301	ASL	R1	
1026 522 060102	ADD	R1,R2	
1027 524 062702	ADD	#CTFILE,R2	; ADD ADDR
1028 530 010267	MOV	R2,CONV1+4	; SOURCE ADDR
1029 534 012767	MOV	#OUTLOC+20,CONV1+6	; DESTINATION ADDRESS
1030 542 012705	MOV	#CONV1,R5	; PARAMETER LIST ADDRESS
1031 546 004767	JSR	PC,R50ASC	; CONVERT
1032 552 016700	MOV	VSTADR,R0	; GET VSTAT ADDRESS
1033 556 032760	BIT	#10,12(R0)	; IS TRACK ENABLED?
1034 564 001404	BEQ	S301B	; NO, GO AROUND
1035 566 116067	MOVB	35(R0),OUTLOC+30.	; STORE TRACKING CHAR.
1036 574 000403	BR	S301C	; GO AROUND
1037 576 112767	MOVB	#40,OUTLOC+30.	; STORE SPACE
1038 604 105767	TSTB	OUTLOC+30.	
1039 610 001772	BEQ	S301B	
1040 612 005002	CLR	R2	
1041 614 012702	MOV	#OUTLOC,R2	
1042 620 122722	CMPB	#44,(R2)+	
1043 624 001404	BEQ	S301CB	
1044 626 022702	CMP	#TELOUT-2,R2	
1045 632 100372	BPL	S301CA	
1046 634 000404	BR	S301CC	
1047 636 112762	MOVB	#46,-1(R2)	
1048 644 000765	BR	S301CA	
1049 646 005002	CLR	R2	
1050 650 116002	MOVB	34(R0),R2	; GET CITY NO.
1051 654 005302	DEC	R2	
1052 656 006302	ASL	R2	
1053 660 006302	ASL	R2	
1054 662 006302	ASL	R2	
1055 664 062702	ADD	#TELREF,R2	; ADD ADDRESS
1056 670 010267	MOV	R2,CONV1+4	; SOURCE ADDR
1057 674 012767	MOV	#TELOUT,CONV1+6	; DESTINATION ADDRESS
1058 702 012767	MOV	#12,CONV1+10	; CHANGE NO. OF CHAR.
1059 710 012705	MOV	#CONV1,R5	; PARAMETER LIST ADDRESS
1060 714 004767	JSR	PC,R50ASC	; CONVERT

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1061 720 016700      MOV      VSTADR,R0      ; GET VSTAT ADDRESS
1062 724 062700      ADD      #22,R0          ; ADD OFFSET POINTER
1063 730 012767      MOV      #3,CONV1+10     ; CHANGE NO. OF CHAR.
1064 736 010067      MOV      R0,CONV1+4      ; SOURCE ADDR
1065 742 062767      ADD      #22,CONV1+6     ; ADD OFFSET
1066 750 012767      MOV      #VEHNUM,CONV1+6 ; DESTINATION ADDRESS
1067 756 012705      MOV      #CONV1,R5       ; PARAMETER LIST ADDRESS
1068 762 004767      JSR      PC,R50ASC       ; CONVERT
1069 766 012767      MOV      #9,CONV1+10     ; RESTORE PARAMETER LIST
1070 774 004567      JSR      R5,RSTREG       ; RESTORE REGISTERS
1071 000 012605      MOV      (SP)+,R5
1072 002 000205      RTS      R5
1073
1074      ;*****
1075      ;
1076      ; SUB-PROCESS 302 DETERMINE VEHICLE COLOR BYTE AND LOAD (COLOR)
1077      ;
1078      ;*****
1079 004 016700 S302:  MOV      VSTADR,R0      ; GET VEHICLE STATUS BUFFER ADDR
1080 010 032760      BIT      #2000,2(R0)      ; IS ALARM FLAG SET?
1081 016 001404      BEQ      S302A            ; NO, GO AROUND
1082 020 112767      MOVB     #14,COLOR        ; SET RED COLOR
1083 026 000447      BR       S302F            ; GETOUT
1084 030 032760 S302A: BIT      #1000,12(R0)    ; IS ALERT FLAG SET?
1085 036 001004      BNE      S302AA           ; SET PURPLE COLOR
1086 040 032760      BIT      #20000,2(R0)     ; IS ALERT DECLARED?
1087 046 001404      BEQ      S302B            ; NO, GO AROUND
1088 050 112767 S302AA: MOVB     #54,COLOR        ; SET PURPLE COLOR
1089 056 000433      BR       S302F            ; GETOUT
1090 060 032760 S302B: BIT      #100,4(R0)      ; IS ROUTE ALERT FLAG SET?
1091 066 001404      BEQ      S302C            ; NO, GO AROUND
1092 070 112767      MOVB     #34,COLOR        ; SET YELLOW COLOR
1093 076 000423      BR       S302F            ; GETOUT
1094 100 032760 S302C: BIT      #200,4(R0)      ; IS NO CONTACT FLAG SET?
1095 106 001404      BEQ      S302D            ; NO, GO AROUND
1096 110 112767      MOVB     #64,COLOR        ; SET RED COLOR
1097 116 000413      BR       S302F            ; GETOUT
1098 120 032760 S302D: BIT      #20,2(R0)       ; IS REMOTE ALARM PENDING FLAG SET?
1099 126 001404      BEQ      S302E            ; NO, GO AROUND
1100 130 112767      MOVB     #24,COLOR        ; YES, SET GREEN COLOR
1101 136 000403      BR       S302F            ; GETOUT
1102 140 112767 S302E: MOVB     #64,COLOR        ; SET CYAN COLOR
1103 146 000205 S302F: RTS      R5              ; GET OUT
1104      ;*****
1105      ;
1106      ; SUB-PROCESS S303 LOAD MAKE, MODEL, LICENSE, MODE BUFFERS
1107      ;
1108      ;*****
1109 150 004567 S303:  JSR      R5,SAVREG        ;
1110 154 004567      JSR      R5,FNDBUF        ;
1111 160 000000 S303A: .WORD     0              ;
1112 162 016700      MOV      PDTADR,R0        ;
1113 166 016001      MOV      10(R0),R1

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1114 172 005003 CLR R3
1115 174 116103 MOVB 1(R1),R3
1116 200 016704 MOV S303A,R4
1117 204 010546 MOV R5,-(SP)
1118 206 004567 JSR R5,GTVREF
1119 212 062704 ADD #54,R4
1120 216 012467 MOV (R4)+,MAKE
1121 222 012467 MOV (R4)+,MAKE+2
1122 226 012467 MOV (R4)+,MODEL
1123 232 012467 MOV (R4)+,MODEL+2
1124 236 012467 MOV (R4)+,MODEL+4
1125 242 112467 MOVB (R4)+,MODEL+6
1126 246 005204 INC R4
1127 250 012467 MOV (R4)+,LICENS
1128 254 012467 MOV (R4)+,LICENS+2
1129 260 012467 MOV (R4)+,LICENS+4
1130 264 112467 MOVB (R4)+,LICENS+6
1131 270 005204 INC R4
1132 272 012467 MOV (R4)+,ROUTES
1133 276 112467 MOVB (R4)+,ROUTES+2
1134 302 122714 CMPB #40,(R4)
1135 306 001412 BEQ S303D
1136 310 112767 MOVB #54,ROUTES+3
1137 316 112467 MOVB (R4)+,ROUTES+4
1138 322 112467 MOVB (R4)+,ROUTES+5
1139 326 112467 MOVB (R4)+,ROUTES+6
1140 332 000411 BR S303E
1141 334 112767 S303D: MOVB #40,ROUTES+3
1142 342 012767 MOV #20040,ROUTES+4
1143 350 112767 MOVB #40,ROUTES+6
1144 356 016700 S303E: MOV PDTADR,R0
1145 362 016001 MOV 10(R0),R1
1146 366 032761 BIT #1,2(R1)
1147 374 001415 BEQ S303F
1148 376 016767 MOV NORMAL,MODE
1149 404 016767 MOV NORMAL+2,MODE+2
1150 412 016767 MOV NORMAL+4,MODE+4
1151 420 116767 MOVB NORMAL+6,MODE+6
1152 426 000414 BR S303G
1153 430 016767 S303F: MOV RALARM,MODE
1154 436 016767 MOV RALARM+2,MODE+2
1155 444 016767 MOV RALARM+4,MODE+4
1156 452 116767 MOVB RALARM+6,MODE+6
1157 460 016767 S303G: MOV S303A,S303B
1158 466 004567 JSR R5,RLSBUF
1159 472 000000 S303B: .WORD 0
1160 474 012605 MOV (SP)+,R5
1161 476 004567 JSR R5,RSTREG
1162 502 000205 RTS R5
1163
1164 000001 .END

```

ADDRES= ***** G	ALC 002570R	ALERT 002576R
ALM 002540R	A32CTR= ***** G	BASECD= ***** G
BUFC3 = ***** G	BUFC5 = ***** G	BUFR 001234R
BUFR1 001252R	BUF1 001722R	B32CTR= ***** G
CMDWDA= ***** G	CMDWDB= ***** G	CMDWDC= ***** G
CMDWDG= ***** G	CMDWDT= ***** G	CMOVP1= ***** G
COLOR = ***** G	CONV1 = ***** G	CRFLG1= ***** G
CRFLG2= ***** G	CTFILE= ***** G	CTIME = ***** G
CURSE1= ***** G	DFLAGG= ***** G	DFLAGT= ***** G
DFLG1= ***** G	DFLGT1= ***** G	DSCMD1= ***** G
DSCMD2= ***** G	DSCTR3= ***** G	DSCTR4= ***** G
DSFLAG= ***** G	DSFLG1= ***** G	DSFLG2= ***** G
DSFLG3= ***** G	DSFLG4= ***** G	DSFMTR= ***** G
ENBLD 002562R	FNDBUF= ***** G	GBFCMD= ***** G
GBF10 004274R	GICMD = ***** G	GICTR = ***** G
GIFLAG= ***** G	GIMBEL= ***** G	G11BEL= ***** G
GTVREF= ***** G	IFLAGX= ***** G	IFLAGY= ***** G
IFLAG1= ***** G	IFLAG2= ***** G	IFLAG3= ***** G
IFLAG4= ***** G	K3FLAG= ***** G	K5FLAG= ***** G
LICENS= ***** G	LOGGER= ***** G	MAKE = ***** G
MODE = ***** G	MODEL = ***** G	MOVC3 = ***** G
MOVCS = ***** G	MOVPI = ***** G	NOLG = ***** G
NORMAL= ***** G	NO1PTR= ***** G	NO2PTR= ***** G
OUTLOC= ***** G	PC =%000007	PDTADR= ***** G
PDTCS = ***** G	PDTCS = ***** G	PDTK3 = ***** G
PDTK5 = ***** G	PDTPI = ***** G	PRHSK3= ***** G
PRHSK5= ***** G	PRINTR 001574R	PRNORM= ***** G
PRTR 002516R	PRTR1 001624R	PRTR2 001640R
PRTR3 001714R	PRTR4 001710R	PRTR5 001702R
PSWDFG= ***** G	RALARM= ***** G	RBUFC3= 175616
RBUFC5= 175676	RLD1 = ***** G	RLD2 = ***** G
RLSBUF= ***** G	ROUTES= ***** G	RSTREG= ***** G
R0 =%000000	R1 =%000001	R2 =%000002
R3 =%000003	R4 =%000004	R5 =%000005
R50ASC= ***** G	SAV 003542R	SAVREG= ***** G
SP =%000006	STAT 002604R	STATUS 002544R
S200 = ***** G	S226 = ***** G	S300 005174R
S300A 005204R	S300AA 005200R	S300B 005246R
S300B1 005314R	S300C 005320R	S300C1 005340R
S300D 005344R	S300D1 005364R	S300E 005370R
S300E1 005410R	S300F 005414R	S300F1 005436R
S300G 005442R	S300G1 005464R	S300H 005470R
S300H1 005512R	S300I 005516R	S300IA 005544R
S300IB 005540R	S300I1 005564R	S300J 005570R
S300K 005604R	S300L 005620R	S300M 005634R
S300N 005650R	S300O 005664R	S300O2 005724R
S300O3 005770R	S300P 006010R	S300PX 006030R
S300P1 006034R	S300P2 006066R	S300Q 006120R
S300Q1 006166R	S300Q2 006202R	S300Q3 006216R
S300Q4 006232R	S300R 006316R	S300RA 006366R
S300RB 006336R	S300RZ 006250R	S300R1 006322R
S300X = ***** G	S300Y = ***** G	S300Z = ***** G
S300Z1= ***** G	S301 006406R	S301B 006576R

S301C	006604R	S301CA	006620R	S301CB	006636R
S301CC	006646R	S302	007004R	S302A	007030R
S302AA	007050R	S302B	007060R	S302C	007100R
S302D	007120R	S302E	007140R	S302F	007146R
S303	007150R	S303A	007160R	S303B	007472R
S303D	007334R	S303E	007356R	S303F	007430R
S303G	007460R	S401	000000RG	S401A	000054R
S401AA	000026R	S401B	000070R	S401C	000116R
S401Z	000136R	S402	000174R	S402A	000244R
S402B	000250R	S402C	000306R	S402D	000312R
S402E	000222R	S403	000314RG	S403A	000432R
S403AA	000342R	S403AB	000360R	S403B	000452R
S403C	000472R	S403X	000376R	S403Y	000404R
S404	000546R	S404A	000576R	S405	000624RG
S405C	000652R	S405D	000674R	S405E	000720R
S405F	000666R	S406	000724RG	S406A	001042R
S406B	000774R	S406C	001062R	S406D	001070R
S407	001072RG	S407A	001270R	S407B	001122R
S407C	001130R	S408	***** G	S409A	001320R
S409B	001346R	S409C	001416R	S409D	001464R
S409E	001520R	S409F	001534R	S409W	001310RG
S409X	001454RG	S409Y	001310RG	S410	001760R
S411	002002RG	S411A	002026R	S411B	002054R
S411C	002062R	S411D	002076R	S411DA	002102R
S411E	002112R	S411F	002122R	S411G	002140R
S411H	002156R	S411I	002172R	S411J	002224R
S411K	002266R	S411L	002274R	S411M	002314R
S411N	002322R	S412	003022RG	S412A	003072R
S412B	003076R	S413	002364RG	S413A	002432R
S413AA	002456R	S413B	002462R	S414	003134RG
S414A	003140R	S414B	003170R	S414D	003350R
S414DA	003354R	S414E	003360R	S414F	003412R
S41B	003416RG	S418A	003474R	S418B	003506R
S419	003544RG	S419A	003566RG	S419AA	003620R
S419B	003634R	S420	003660RG	S421	003670RG
S421A	003742R	S421AA	003754R	S421B	004004R
S421C	004014R	S421D	004022R	S421DA	004034R
S421E	004064R	S422	004074RG	S422AB	004574R
S422C	004404R	S42201	005160R	S42202	005172R
S422X	004700R	S422XA	005152R	S422XB	005154R
S422XC	005156R	S422XE	005104R	S422XD	005076R
S422XP	005066R	S422XR	005050R	S422X1	005112R
S422X2	005150R	S422X3	004734R	S422X4	004760R
S422X5	005034R	S422X6	005110R	S422X7	005146R
S422X8	005054R	S4221A	004162R	S4221B	004300R
S4222B	004464R	TABL1	003010R	TCCMD	***** G
TCCTR = ***** G		TCFLAG= ***** G		TCMBEL= ***** G	
TCO = ***** G		TC1BEL= ***** G		TELOUT= ***** G	
TELREF= ***** G		TEMP = ***** G		TYPE	002530R
VEH	002522R	VEHNUM= ***** G		VID	= ***** G
VSTADR= ***** G		...V2 = 000001			
. ABS.	000000				
	007504				

DOLAY1 RT-11 CRO VM02-10 00:48:38 PAGE 1+
SYMBOL TABLE

ERRORS DETECTED: 0
FREE CORE: 16644. WORDS

.LP:/C:=DOLAY1.MAC

. . . V2	1-241	1-241*					
A32CTR	1-19*	1-569*					
ADDRES	1-14*	1-158	1-159*	1-161*	1-574	1-575*	1-577*
ALC	1-380	1-381	1-382	1-440*			
ALERT	1-386	1-387	1-388	1-441*			
ALM	1-389*	1-391*	1-422	1-436*			
B32CTR	1-19*	1-572*					
BASECD	1-25*	1-637	1-684				
BUF1	1-245	1-276	1-317	1-319*			
BUFC3	1-22*	1-690*	1-691*				
BUFC5	1-22*	1-642*	1-643*				
BUFR	1-202	1-219	1-225*				
BUFR1	1-210*	1-211*	1-212*	1-214	1-226*		
CMDWDA	1-18*	1-251	1-263	1-286	1-305	1-566	1-591
	1-592	1-597	1-632				
CMDWDB	1-18*	1-94	1-95	1-99			
CMDWDC	1-18*	1-94*	1-97*	1-101*	1-104	1-106	1-206*
	1-208*	1-212					
CMDWDG	1-15*	1-104*	1-206	1-315			
CMDWDT	1-15*	1-106*	1-208	1-313			
CMDVP1	1-15*	1-213*	1-218*				
COLOR	1-14*	1-111	1-182*	1-188*	1-192*	1-196*	1-100*
	1-182*						
CONV1	1-12*	1-109*	1-110*	1-111	1-115*	1-116*	1-117
	1-120*	1-129*	1-130	1-156*	1-157*	1-158*	1-159
	1-163*	1-164*	1-165*	1-166*	1-167	1-169*	
CRFLG1	1-22*	1-641*					
CRFLG2	1-22*	1-689*					
CTFILE	1-12*	1-127					
CTIME	1-12*	1-252	1-264	1-287	1-306		
CURSE1	1-24*	1-675*	1-721*				
DFLAGG	1-22*	1-682*					
DFLAGT	1-22*	1-635*					
DFLGG1	1-25*	1-723*	1-726*				
DFLGT1	1-25*	1-677*	1-680*				
DSCMD1	1-13*	1-134	1-325	1-670*			
DSCMD2	1-13*	1-130	1-716*				
DSCTR3	1-24*	1-672*					
DSCTR4	1-25*	1-717*					
DSFLAG	1-19*	1-602*	1-617*	1-634*	1-683*		
DSFLG1	1-24*	1-674*					
DSFLG2	1-24*	1-719*					
DSFLG3	1-24*	1-673*					
DSFLG4	1-24*	1-720*					
DSFMTR	1-13*	1-79	1-425	1-470	1-524		
ENBLD	1-394*	1-396*	1-414*	1-421*	1-424*	1-438*	1-464*
FNDBUF	1-19*	1-483	1-788	1-10			
GBF10	1-662	1-664*	1-710				
GBFCMD	1-24*	1-663*	1-715*				
GI1BEL	1-14*	1-179	1-724*				
GICMD	1-15*	1-129	1-619*	1-620*	1-686*	1-687*	1-688*
GICTR	1-16*	1-181					
GIFLAG	1-18*	1-182	1-468	1-521*	1-571*	1-595	1-614*
GIMBEL	1-14*	1-180	1-725*				
GTVREF	1-13*	1-794	1-18				

IFLAG1	1-23*	1-644*	1-645*	1-647*	1-653		
IFLAG2	1-23*	1-668*	1-701				
IFLAG3	1-23*	1-692*	1-693*	1-695*			
IFLAG4	1-23*	1-714*					
IFLAGX	1-23*	1-666*					
IFLAGY	1-23*	1-712*					
K3FLAG	1-18*	1-622					
K5FLAG	1-18*	1-607					
LICENS	1-21*	1-;27*	1-;28*	1-;29*	1-;30*		
LOGGER	1-12*	1-315					
MAKE	1-21*	1-;20*	1-;21*				
MODE	1-19*	1-539	1-541*	1-542*	1-545*	1-546*	1-548
	1-549*	1-550*	1-;48*	1-;49*	1-;50*	1-;51*	1-;53*
	1-;54*	1-;55*	1-;56*				
MODEL	1-21*	1-;22*	1-;23*	1-;24*	1-;25*		
MOVCS	1-23*	1-709					
MOVCS	1-23*	1-661					
MOVPI	1-15*	1-219					
NOIPTR	1-24*	1-671*					
NO2PTR	1-24*	1-718*					
NOLOG	1-21*	1-242	1-273				
NORMAL	1-21*	1-;48	1-;49	1-;50	1-;51		
OUTLOC	1-14*	1-;10	1-;16	1-;29	1-;35*	1-;37*	1-;38
	1-;41						
PDTADR	1-16*	1-81	1-148	1-169	1-427	1-472	1-515
	1-799	1-985	1-;12	1-;44			
PDTCS	1-22*	1-697	1-703*	1-704*	1-705*		
PDTCS	1-22*	1-649	1-655*	1-656*	1-657*		
PDTK3	1-19*	1-615					
PDTK5	1-19*	1-600					
PDTP1	1-14*	1-203	1-215	1-;2			
PRHSK3	1-19*	1-621					
PRHSK5	1-19*	1-606					
PRINTR	1-270	1-293	1-296*				
PRNORM	1-14*	1-217					
PRTR	1-412*	1-413*	1-426	1-433*	1-471		
PRTR1	1-300	1-302*					
PRTR2	1-303	1-305*					
PRTR3	1-269*	1-292*	1-317*				
PRTR4	1-314	1-316*					
PRTR5	1-312	1-315*					
PSWDFG	1-24*	1-667*	1-713*				
R50ASC	1-12*	1-16*	1-403	1-;12	1-;18	1-;31	1-;60
	1-;68						
RALARM	1-21*	1-;53	1-;54	1-;55	1-;56		
RBUFC3	1-27*	1-700					
RBUFC5	1-26*	1-652					
RLD1	1-13*	1-85*	1-415	1-461	1-514	1-676*	
RLD2	1-13*	1-87*	1-419	1-467	1-519	1-722*	
RLSBUF	1-19*	1-529	1-797	1-;58			
ROUTES	1-21*	1-;32*	1-;33*	1-;36*	1-;37*	1-;38*	1-;39*
	1-;41*	1-;42*	1-;43*				
RSTREG	1-13*	1-658	1-706	1-998	1-;70	1-;61	
S200	1-12*	1-160	1-576				
S226	1-12*	1-153	1-564				
S300	1-40	1-787*					
S300A	1-789*	1-792	1-796				

S300AA	1-788#					
S300B	1-796*	1-798#				
S300B1	1-808	1-811#				
S300C	1-806	1-810	1-812#			
S300C1	1-816	1-819#				
S300D	1-814	1-818	1-820#			
S300D1	1-824	1-827#				
S300E	1-822	1-826	1-828#			
S300E1	1-832	1-835#				
S300F	1-830	1-834	1-836#			
S300F1	1-841	1-844#				
S300G	1-839	1-843	1-845#			
S300G1	1-849	1-852#				
S300H	1-847	1-851	1-853#			
S300H1	1-857	1-860#				
S300I	1-855	1-859	1-861#			
S300I1	1-871	1-874#				
S300IA	1-863	1-867	1-869#			
S300IB	1-865	1-868#				
S300J	1-873	1-875#				
S300K	1-876	1-878#				
S300L	1-879	1-881#				
S300M	1-882	1-884#				
S300N	1-885	1-887#				
S300O	1-888	1-893#				
S300O2	1-899	1-902#				
S300O3	1-901	1-910#				
S300P	1-894	1-903	1-905	1-907	1-917#	
S300P1	1-922#	1-930				
S300P2	1-928	1-932#				
S300PX	1-918	1-921#				
S300Q	1-920	1-944#				
S300Q1	1-951	1-953	1-955#			
S300Q2	1-956	1-958#				
S300Q3	1-959	1-961#				
S300Q4	1-962	1-964#				
S300R	1-913	1-940	1-967	1-972	1-980	1-984#
S300R1	1-985#	1-996				
S300RA	1-986	1-988	1-994#			
S300RB	1-989#					
S300RZ	1-945	1-971#				
S300X	1-12#	1-921				
S300Y	1-12#	1-912	1-929	1-939	1-966	1-979 1-987
	1-989					
S300Z	1-12#	1-47	1-265	1-809	1-895	1-898 1-900*
	1-902	1-904	1-906	1-908*	1-909*	1-922 1-923
	1-946	1-973	1-984	1-990*	1-991*	1-992* 1-993*
S300Z1	1-12#	1-49	1-995			
S301	1-41	1-107	1-105#			
S301B	1-134	1-137#	1-139			
S301C	1-136	1-138#				
S301CA	1-142#	1-145	1-148			
S301CB	1-143	1-147#				
S301CC	1-146	1-149#				
S302	1-108	1-179#				
S302A	1-181	1-184#				
S302AA	1-185	1-188#				

S302B	1-:87	1-:90#				
S302C	1-:91	1-:94#				
S302D	1-:95	1-:98#				
S302E	1-:99	1-:02#				
S302F	1-:83	1-:89	1-:93	1-:97	1-:01	1-:03#
S303	1-537	1-:09#				
S303A	1-:11#	1-:16	1-:57			
S303B	1-:57*	1-:59#				
S303D	1-:35	1-:41#				
S303E	1-:40	1-:44#				
S303F	1-:47	1-:53#				
S303G	1-:52	1-:57#				
S401	1-17#	1-34#				
S401A	1-44#	1-46				
S401AA	1-37	1-39#				
S401B	1-48#	1-50				
S401C	1-52*	1-54#				
S401Z	1-35*	1-38*	1-39*	1-43	1-54	1-58#
S402	1-53	1-64#	1-117	1-547		
S402A	1-77	1-79#				
S402B	1-64	1-73	1-80#			
S402C	1-84	1-87#				
S402D	1-86	1-88#				
S402E	1-71	1-73#				
S403	1-17#	1-94#				
S403A	1-113#	1-115				
S403AA	1-96	1-99#				
S403AB	1-98	1-100	1-102#			
S403B	1-118#					
S403C	1-109	1-118	1-122#			
S403X	1-103	1-106#				
S403Y	1-105	1-107#				
S404	1-55	1-119	1-128#	1-222	1-430	1-551 1-610
	1-624					
S404A	1-132	1-135#				
S405	1-20#	1-148#				
S405C	1-154*	1-162				
S405D	1-150	1-158#				
S405E	1-155*	1-157*	1-159	1-163#	1-575	
S405F	1-152	1-157#				
S406	1-17#	1-154	1-169#			
S406A	1-184	1-189#				
S406B	1-173	1-175	1-177	1-179#		
S406C	1-191	1-194#				
S406D	1-178	1-193	1-196#			
S407	1-17#	1-202#				
S407A	1-209	1-216	1-221	1-228#		
S407B	1-205	1-208#				
S407C	1-207	1-209#				
S408	1-15#	1-213				
S409A	1-243	1-245#				
S409B	1-249	1-251#				
S409C	1-261	1-263#				
S409D	1-274	1-276#				
S409E	1-281	1-283#				
S409F	1-284	1-286#				
S409J	1-17#	1-241#				

S409X	1-17#	1-273#				
S409Y	1-17#	1-242#				
S410	1-325#					
S411	1-17#	1-338#	1-460			
S411A	1-342	1-344#				
S411B	1-352#	1-357				
S411C	1-351	1-354#				
S411D	1-355	1-359#				
S411DA	1-360#	1-369	1-373			
S411E	1-362#	1-364				
S411F	1-348	1-358	1-366#			
S411G	1-367	1-370#				
S411H	1-371	1-374#	1-385			
S411I	1-377#	1-379				
S411J	1-365	1-384#				
S411K	1-383	1-391#				
S411L	1-390	1-392#				
S411M	1-393	1-396#				
S411N	1-395	1-397#				
S412	1-17#	1-460#				
S412A	1-466	1-470#				
S412B	1-463*	1-469*	1-471#			
S413	1-17#	1-412#				
S413A	1-418	1-421#				
S413AA	1-423	1-425#				
S413B	1-416*	1-420*	1-426#			
S414	1-20#	1-483#				
S414A	1-484#	1-487	1-495	1-513	1-528	
S414B	1-492#	1-494				
S414D	1-518	1-523#				
S414DA	1-522	1-524#				
S414E	1-513*	1-516*	1-520*	1-525#		
S414F	1-528*	1-530#				
S418	1-20#	1-537#				
S418A	1-544	1-546#				
S418B	1-538*	1-548#				
S419	1-20#	1-560#				
S419A	1-20#	1-563	1-565#	1-576		
S419AA	1-567	1-571#				
S419B	1-561	1-574#				
S420	1-20#	1-584#				
S421	1-20#	1-591#				
S421A	1-594	1-600#				
S421AA	1-601	1-603#				
S421B	1-608	1-610#	1-623			
S421C	1-598	1-614#				
S421D	1-596	1-615#				
S421DA	1-616	1-618#				
S421E	1-609	1-624#				
S422	1-20#	1-632#				
S4221A	1-645#	1-646				
S4221B	1-660	1-663	1-665#			
S4222B	1-693#	1-694				
S422AB	1-708	1-711#				
S422C	1-633	1-682#				
S422D1	1-738*	1-739*	1-740*	1-741*	1-742*	1-743
	1-747	1-749	1-751	1-769	1-770*	1-771*
						1-772

S42202	1-774*	1-780*					
S422X	1-659	1-707	1-763*	1-765*	1-781*		
S422X1	1-654	1-702	1-729*				
S422X2	1-733	1-768*					
S422X3	1-734	1-776*					
S422X4	1-736*	1-754					
S422X5	1-741*	1-745					
S422X6	1-750	1-753*					
S422X7	1-764	1-766*					
S422X8	1-773	1-775*					
S422XA	1-756	1-758*					
S422XB	1-731*	1-758	1-761	1-777*			
S422XC	1-732*	1-759	1-762	1-778*			
S422XE	1-735*	1-753*	1-779*				
S422XD	1-730	1-760	1-765*				
S422X0	1-763*						
S422XP	1-752	1-761*					
S422XR	1-748	1-757*					
SAV	1-539*	1-550	1-554*				
SAVREG	1-13*	1-648	1-696	1-787	1-:06	1-:09	
STAT	1-359	1-368	1-372	1-374	1-442*		
STATUS	1-360	1-376	1-437*				
TABL1	1-397*	1-398*	1-399*	1-402	1-454	1-454*	
TC1BEL	1-14*	1-185	1-678*				
TCCMD	1-15*	1-133	1-604*	1-605*	1-636*	1-639*	1-640*
TCCTR	1-16*	1-187					
TCFLAG	1-18*	1-188	1-462	1-523*	1-568*	1-593	1-599*
TCMBEL	1-14*	1-186	1-679*				
TCO	1-16*	1-52	1-70	1-76	1-83	1-102	1-131
	1-137	1-183	1-248	1-260	1-283	1-302	1-341
	1-417	1-465	1-517	1-538	1-592*	1-603*	1-618*
TELOUT	1-13*	1-42	1-45	1-114	1-:44	1-:57	
TELREF	1-14*	1-:55					
TEMP	1-23*	1-665*	1-711*				
TYPE	1-380*	1-381*	1-382*	1-386*	1-387*	1-388*	1-435*
VEH	1-399	1-434*					
VEHNUM	1-13*	1-112	1-:66				
VID	1-16*	1-74	1-136	1-151	1-562	1-591*	
VSTADR	1-16*	1-34	1-171	1-204	1-211	1-253	1-279
	1-288	1-298	1-311	1-338	1-540	1-:07	1-:13
	1-:19	1-:32	1-:61	1-:79			

DOLAY1 RT-11 CRO VM02-10 00:48:38 PAGE M-1
CROSS REFERENCE TABLE (CREF V01-04)

...CM1	1-8#	
...CM2	1-8#	
...CM3	1-8#	
...CM4	1-8#	
..V2..	1-7#	1-8
.REGDE	1-7#	1-9

.....

SECTION A.5

This section contains the following course listings of modules and subroutines which comprise the Base Station Display/Control:

Module

Subroutine

KBEDIT

TYEDIP

TYEDIT

TYP CPR

SESTAT

RTSTAT

ALSTAT

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1      .ENABL AMA
2      .TITLE KBEDIT
3      ;
4      ; BASE STATION CRT KEYBOARD EDIT ROUTINE
5      ;
6      ;      THIS ROUTINE EDITS THE COMMANDS FROM THE STATUS
7      ;      CONSOLE AND SETS UP THE APPROPRIATE PHYSICAL DEVICE TABLE
8      ;      AND THE APPROPRIATE FLAGS FOR SCHEDULING THE COMMAND
9      ;      REQUESTED.
10     ;
11     ;
12     .MCALL ..V2...REGDEF
13 00000 ..V2...
14 00000 .REGDEF
15     .NLIST BEX
16     ;
17     .GLOBL KBEDIT
18     .GLOBL ONLINE
19     .GLOBL BSPASS
20     .GLOBL PDTC1,PDTK1,PDTP1,PDTK2
21     .GLOBL MOVC1,MOVK1,MOVPI
22     .GLOBL MESSP1
23     .GLOBL SUB06,SUB07,SUB10
24     .GLOBL SUB15,SUB20
25     .GLOBL SUB25
26     .GLOBL SUB26,SUB27,SUB29
27     .GLOBL SUB33,SUB34,SUB35,SUB38,SUB42,SUB46
28     .GLOBL SUB54,SUB60,SUB61
29     .GLOBL SUB71,SUB72
30     .GLOBL S105,S112,S113
31     .GLOBL S115,S118
32     .GLOBL S121,S125
33     .GLOBL S133
34     .GLOBL S135,S136,S139
35     .GLOBL MOVER,PDADR,PRTPDT,DISADR,ERRPRT,PRADR,PDTPINP
36     .GLOBL RETADR,FUNKEY,VID,VSTADR,TCO,INPUT,ICHARS
37     .GLOBL ADDRES,CMDWD1,CMDWD2
38     .GLOBL VVV,VVVX,RESULT
39     .GLOBL SENSOR
40     .GLOBL TTYBUF,OCTOBN,BASECD,ANSWER,VID,BSRQST,INPUT,T,TCO,M
41     .GLOBL BUFFER,ALCCMD,CMDBUF,CMD0,S106,TCBELL,GIBELL,TAB
42     000001 SQH = 1
43 00000 010546 KBEDIT: MOV R5,-(SP) ;SAVE REGISTERS
44     ;
45     ; INITIALIZE
46     ;
47 00002 012737 INITK1: MOV #MOVK1,MOVER ;ADR OF MOVE INPUT SUBR
48 00010 012737 MOV #PDTC1,PDADR ;PDT FOR OUTPUT DEVICE
49 00016 012737 MOV #PDTP1,PRTPDT ;PDT FOR PRINTER
50 00024 012737 MOV #MOVC1,DISADR ;ADR OF OUTPUT ROUTINE
51 00032 012737 MOV #MESSP1,ERRPRT ;ADR OF ERROR PRINT ROUTINE
52 00040 012737 MOV #MOVPI,PRADR ;ADR OF PRINT SUBR
53 00046 012737 MOV #PDTK1,PDTPINP ;PDT FOR INPUT DEVICE

```

```

54      ;
55 00054 005000      CLR      R0      ;RESET JMP & RET TABLE
56 00056 005200 KB1A: INC      R0
57 00060 005200      INC      R0
58 00062 005060      CLR      RETADR(R0)
59 00066 020027      CMP      R0,#20.
60 00072 100771      BMI      KB1A
61 00074 005037      CLR      FUNKEY
62 00100 005037      CLR      VID
63 00104 005037      CLR      VSTADR
64 00110 005037      CLR      TCO
65      ;
66      ; GET REQ INTO 'INPUT'
67      ;
68 00114 004577      JSR      R5,@MOVER
69 00120 000000G      .WORD    INPUT
70 00122 000000 IC:   .WORD    0
71 00124 013737      MOV      IC,ICHARS
72 00132 001427      BEQ      FINIK1
73 00134 005737      TST      ONLINE
74 00140 001021      BNE      GOEDIT
75      ;
76 00142 013700      MOV      P0TINP,R0
77 00146 126027      CMPB     4(R0),#16.      ;PREV MODE = 16 ?
78 00154 001410      BEQ      SETPW
79 00156 022737      CMP      #47401,INPUT      ;IS IT F16 ?
80 00164 001407      BEQ      GOEDIT      ;YES
81 00166 012737      MOV      #47001,INPUT      ;FORCE TO F15
82 00174 000403      BR       GOEDIT
83 00176 012737 SETPW: MOV      #PW,INPUT      ;FORCE PASSWORD ENTRY
84 00204 004537 GOEDIT: JSR      R5,EDIT
85 00210 000674      BR       INITK1
86 00212 012605 FINIK1: MOV     (SP)+,R5
87 00214 000205      RTS      R5
88 00216 010546 EDIT:  MOV      R5,-(SP)
89      ; COMPARE INPUT AGAINST LEGAL FUNCTION KEYS
90      ;
91 00220 012737      MOV      #FKK1,ADDRES
92 00226 004537      JSR      R5,MATCH
93 00232 005737      TST      ADDRES
94 00236 001407      BEQ      CMPCMD
95 00240 116001      MOVB     1(R0),R1      ;SET FUNKEY
96 00244 162701      SUB      #77,R1
97 00250 010137      MOV      R1,FUNKEY
98 00254 000413      BR       GOON
99 00256 012737 CMPCMD: MOV     #CMK1,ADDRES
100 0264 004537      JSR      R5,MATCH
101 0270 005737      TST      ADDRES
102 0274 001003      BNE      GOON
103 0276 012737      MOV      #ILLK1,ADDRES      ;MATCH ON COMMANDS
104 0304 004537 GOON:  JSR      R5,PROCES      ; INVALID REQ'T
105      ;      ;EXECUTE PROCESSES IN GIVEN TAB
106 0310 012605      MOV      (SP)+,R5

```

```

107 0312 000205      RTS      R5
108
109      ; TABLE PROCESS LOOP ROUTINE      (ADDRESS OF TABLE IS IN ADDRESS)
110
111 0314 010546 PROCES: MOV      R5, -(SP)      ;SAVE REGISTERS
112 0316 022777 PROCA: CMP      #-1, @ADDRESS      ; -1 TERMINATES TABLE
113 0324 001412      BEQ      PROCES
114 0326 005777      TST      @ADDRESS
115 0332 001407      BEQ      PROCES
116 0334 017700      MOV      @ADDRESS, R0
117 0340 004510      JSR      R5, (R0)      ; GIVE CONTROL TO ROUTINE ADR
118 0342 062737 PROCB: ADD      #2, ADDRESS
119 0350 000762      BR       PROCA
120 0352 012605 PROCES: MOV      (SP)+, R5      ;RESTORE REGISTERS
121 0354 000205      RTS      R5
122
123      ; TEST FOR MATCH ON FIRST 2 CHARACTERS IN INPUT & TABLE PASSED
124      ; ADDRESS OF TABLE MATCH RETURNED IN R0 ; TABLE ADR RETURNED IN "ADDRESS"
125
126 0356 013700 MATCH: MOV      ADDRESS, R0
127 0362 023710 TRYNEXT: CMP     INPUT, (R0)
128 0366 001410      BEQ      MATCH1
129 0370 022710      CMP      #-1, (R0)
130 0374 001411      BEQ      NOCMP      ;E-O-T
131 0376 005710      TST      (R0)
132 0400 001407      BEQ      NOCMP      ;E-O-T
133 0402 062700      ADD      #4, R0
134 0406 000765      BR       TRYNEXT
135 0410 016037 MATCH1: MOV      2(R0), ADDRESS
136 0416 000402      BR       RET
137 0420 005037 NOCMP: CLR      ADDRESS
138 0424 000205 RET:      RTS      R5
139
140      ; LEGAL FUNCTION KEYS ON "K1" WITH ASSOCIATED PROCESSING TABLE
141
142 0426      001 FKK1: .BYTE    SOH, 100
143 0430 000604* .WORD      F1
144 0432      001 .BYTE    SOH, 101
145 0434 000660* .WORD      F2
146 0436      001 .BYTE    SOH, 102
147 0440 000712* .WORD      F3
148 0442      001 .BYTE    SOH, 103
149 0444 000614* .WORD      F4
150 0446      001 .BYTE    SOH, 104
151 0450 000670* .WORD      F5
152 0452      001 .BYTE    SOH, 105
153 0454 000722* .WORD      F6
154 0456      001 .BYTE    SOH, 106
155 0460 000744* .WORD      F7
156 0462      001 .BYTE    SOH, 107
157 0464 000776* .WORD      F8
158 0466      001 .BYTE    SOH, 110
159 0470 001000* .WORD      F9

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160 0472 001 .BYTE SOH,116
161 0474 001002 .WORD F15
162 0476 001 .BYTE SOH,117
163 0500 001012 .WORD F16
164 0502 177777 .WORD -1
165
166 ; LEGAL COMMANDS ON 'K1' WITH ASSOCIATED PROCESSING TABLE
167
168 0504 042123 CMK1: .WORD "SD,SD
169 0510 042523 .WORD "SE,SE
170 0514 046122 .WORD "RL,RL
171 0520 051115 .WORD "MR,MR
172 0524 047504 .WORD "DO,DO
173 0530 047505 .WORD "EO,EO
174 0534 040503 .WORD "CA,CA
175 0540 051122 .WORD "RR,RR
176 0544 040501 .WORD "AA,AA
177 0550 042101 .WORD "AD,AD
178 0554 040504 .WORD "DA,DA
179 0560 051124 .WORD "TR,TR
180 0564 053520 .WORD "PW,PW
181 0570 042103 .WORD "CD,CD
182 0574 177777 .WORD -1
183
184 ; INVALID REQUEST ON 'K1'
185
186 0576 000000GILLK1: .WORD SUB10,ERR24
187 0602 177777 .WORD -1
188 0604 004140F1: .WORD S122.0 ;SET TO TRANSCON
189 0610 000000G .WORD SUB10,F1A ;JMP TO TABLE ENTRY F1A
190 0614 004140F4: .WORD S122.1 ;SET TO GI
191 0620 000000GF1A: .WORD SUB20.3 ;MOVE & CONVERT VEH #
192 0624 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
193 0626 000000G .WORD SUB07,ERR10 ;BR IF INVALID
194 0632 000000G .WORD S121 ;TEST FOR TRUCKING CO IN VSTAT
195 0634 000000G .WORD SUB07,ERR8 ;BR IF TRUCK INVALID
196 0640 000000G .WORD SUB25 ;GET VID FROM VSTAT
197 0642 000000G .WORD SUB38,PDTC1,-2.0 ;SETUP 'C1' PDT
198 0652 000000G .WORD SUB29,2000 ;SETUP BSFLAG FOR DISPLAY REQ
199 0656 177777 .WORD -1
200
201 0660 004140F2: .WORD S122.0 ;SET TO TRANSCON
202 0664 000000G .WORD SUB10,F2A ;JMP TO TABLE ENTRY F2A
203 0670 004140F5: .WORD S122.1 ;SET TO GI
204 0674 000000GF2A: .WORD SUB38,PDTC1,-2.0 ;SETUP 'C1' PDT
205 0704 000000G .WORD SUB29,2000 ;SETUP BSFLAG FOR DISPLAY REQ
206 0710 177777 .WORD -1
207
208 0712 004140F3: .WORD S122.0 ;SET TO TRANSCON
209 0716 000000G .WORD SUB10,F3A ;BR TO F3A
210 0722 004140F6: .WORD S122.1 ;SET TO GI
211 0726 000000GF3A: .WORD SUB38,PDTC1,-2.0 ;SETUP 'C1' PDT
212 0736 000000G .WORD SUB29,2000 ;SETUP BSFLAG FOR DISPLAY REQ

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213 0742 177777	.WORD	-1	
214	:		
215 0744 000744 F7:	.=.		: NORMAL PRINT ENABLE/DISABLE
216 0744 003432	.WORD	SUB20.PDTP1.400	: TEST NORMAL BIT
217 0752 000000G	.WORD	SUB06.F7A	: DISABLED
218 0756 000000G	.WORD	SUB26.PDTP1.400	
219 0764 177777	.WORD	-1	
220 0766 000000GF7A:	.WORD	SUB27.PDTP1.400	
221 0774 177777	.WORD	-1	
222	:		
223 0776 177777 F8:	.WORD	-1	
224	:		
225 1000 177777 F9:	.WORD	-1	
226	:		
227 1002 000000GF15:	.WORD	SUB15.ONLINE.0	
228 1010 177777	.WORD	-1	
229	:		
230 1012 000000GF16:	.WORD	SUB30.PDTK1.0.0	:STORE FUNCTION IN PDTK1
231 1022 177777	.WORD	-1	
232	:		
233 1024 003622 SD:	.WORD	SUB70	:PRINT COMMAND ON "P1"
234 1026 003526	.WORD	SUB52	:F1/F4?
235 1030 000000G	.WORD	SUB07.ERR9	:TRANSFER IF NO MATCH
236 1034 003370 SDA:	.WORD	SUB23.2	:CONVERT SENSOR
237 1040 003674	.WORD	S101	:TEST 0 .LE. M .LE. 7
238 1042 000000G	.WORD	SUB07.ERR11	:TRANSFER ON LIMIT FAILURE
239 1046 003470	.WORD	SUB32.PDTC1	:GET TCO, VID, & VSTADR FROM PDT
240 1052 003724	.WORD	S114	:TEST ACK PENDING
241 1054 000000G	.WORD	SUB06.ERR12	:TRANSFER IF PENDING
242 1060 000000G	.WORD	SUB60	:GET VOLATL BLK
243 1062 000000G	.WORD	SUB07.ERR27	:TRANSFER IF NOT AVAILABLE
244 1066 000000G	.WORD	S115	:READ VREF RECORD
245 1070 000000G	.WORD	SUB07.ERR20	:TRANSFER ON BAD READ
246 1074 003752	.WORD	S116	:TEST FOR SENSOR ENABLED
247 1076 003224	.WORD	SUB11	:SAVE RESULT
248 1100 000000G	.WORD	SUB61	:RELEASE VOLATL BLK
249 1102 003172	.WORD	SUB09.ERR13	:TRANSFER IF SENSOR DISABLED
250 1106 004056	.WORD	S117.5	:SETUP SENSOR DISABLE COMMAND
251 1112 004256	.WORD	S134	:SET SENSOR IN BS CNTRL WD 2
252 1114 000000G	.WORD	S135.40000.10.	:SET SENSOR DISABLE PENDING
253 1122 000000G	.WORD	S135.400.2	: SET SENSOR ACKNOWLEDGE PENDING
254 1130 177777	.WORD	-1	
255	:		
256 1132 003622 SE:	.WORD	SUB70	:PRINT COMMAND ON "P1"
257 1134 003526	.WORD	SUB52	:F1/F4?
258 1136 000000G	.WORD	SUB07.ERR9	:TRANSFER IF NO MATCH
259 1142 003370 SEA:	.WORD	SUB23.2	:CONVERT SENSOR
260 1146 003674	.WORD	S101	:TEST 0 .LE. M .LE. 7
261 1150 000000G	.WORD	SUB07.ERR11	:TRANSFER ON LIMIT FAILURES
262 1154 003470	.WORD	SUB32.PDTC1	:GET TCO, VID & VSTADR FROM PDT
263 1160 003724	.WORD	S114	:TEST ACK PENDING
264 1162 000000G	.WORD	SUB06.ERR12	:ERROR IF PENDING
265 1166 000000G	.WORD	SUB60	:GET VOLATL BLK

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266 1170 000000G .WORD SUB07.ERR27 ;ERROR IF NOT AVAILABLE
267 1174 000000G .WORD S115 ;READ VREF RECORD
268 1176 000000G .WORD SUB07.ERR20 ;BAD READ
269 1202 003752' .WORD S116 ;TEST FOR SENSOR ENABLED
270 1204 003224' .WORD SUB11 ;SAVE RESULT
271 1206 000000G .WORD SUB61 ;RELEASE VOLATL BLOCK
272 1210 003140' .WORD SUB08.ERR14 ;TRANSFER IF SENSOR ENABLED
273 1214 004056' .WORD S117.6 ;SETUP SENSOR ENABLE COMMAND
274 1220 004256' .WORD S134 ;SET SENSOR IN BS CNTRL WD 2
275 1222 000000G .WORD S135.10000.10. ;SET SENSOR ENABLE PENDING
276 1230 000000G .WORD S135.400.2 ;SET SENSOR ACKNOWLEDGE PENDING
277 1236 177777 .WORD -1
278 ;
279 1240 001240'RL: .=. ;RAM LOAD
280 1240 003622' .WORD SUB70 ;PRINT COMMAND
281 1242 003526' .WORD SUB52 ;F1/F4 ?
282 1244 000000G .WORD SUB07.ERR9 ;INVALID MODE
283 1250 003470' .WORD SUB32.PDTC1 ;GET INFO FROM PDT
284 1254 003724' .WORD S114 ;TEST FOR ACK PENDING
285 1256 000000G .WORD SUB06.ERR12 ;YES IT IS
286 1262 000000G .WORD SUB26.PDTC1.4 ;INHIBIT DISPLAY FROM CHANGINH
287 1270 004030' .WORD S119 ;SETUP RAM LOAD COMMAND
288 1272 177777 .WORD -1
289 1274 001274'MR: .=. ; MILEAGE REQUEST
290 1274 003622' .WORD SUB70 ; PRINT COMMAND
291 1276 003526' .WORD SUB52 ; TEST FOR F1/F4
292 1300 000000G .WORD SUB07.ERR9 ;INVALID IF NOT
293 1304 003470' .WORD SUB32.PDTC1 ;GET TCO, VID & VSTADR FROM PDT
294 1310 000000G .WORD S135.20000.12. ; SET MILEAGE REQ IN BS CNTRL
295 1316 000000G .WORD S118.11 ; SETUP MILEAGE REQUEST COMMAND
296 1322 004412' .WORD S142.10.12 ; STORE IN MILBUF
297 1330 177777 .WORD -1
298 ;
299 1332 001332'DO: .=. ; DISABLE OUT OF ROUTE
300 1332 003622' .WORD SUB70 ; PRINT COMMAND
301 1334 003526' .WORD SUB52 ; TEST FOR F1/F4
302 1336 000000G .WORD SUB07.ERR9 ;INVALID IF NOT
303 1342 003470' .WORD SUB32.PDTC1 ;GET TCO, VID & VSTADR FROM PDT
304 1346 004300' .WORD S137.20.4 ; TEST FOR OUT OF ROUTE ENABLED
305 1354 000000G .WORD SUB07.ERR48 ; ALREADY DISABLED
306 1360 000000G .WORD S136.20.4 ; DISABLE OUT OF ROUTE
307 1366 000000G .WORD SUB26.PDTC1.22 ;SET PDT FOR STATUS UPDATE
308 1374 000000G .WORD SUB29.2000 ; SET BSFLAG FOR 'C1'
309 1400 177777 .WORD -1
310 ;
311 1402 001402'EO: .=. ; ENABLE OUT OF ROUTE
312 1402 003622' .WORD SUB70 ; PRINT COMMAND
313 1404 003526' .WORD SUB52 ; TEST FOR F1/F4
314 1406 000000G .WORD SUB07.ERR9 ;INVALID IF NOT
315 1412 003470' .WORD SUB32.PDTC1 ;GET TCO,VID & VSTADR FROM PDT
316 1416 004300' .WORD S137.20.4 ; TEST FOR OUT OF ROUTE DISABLED
317 1424 000000G .WORD SUB06.ERR49 ; ALREADY ENABLED
318 1430 000000G .WORD S135.20.4 ;ENABLE OUT OF ROUTE

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319 1436 000000G .WORD SUB26.PDTC1.22 ;SET PDT FOR STATUS UPDATE
320 1444 000000G .WORD SUB29.2000 ; SET BSFLAG FOR 'C1'
321 1450 177777 .WORD -1
322
323
324 1452 001452'CA: .=. ;ACKNOWLEDGE ALARM
325 1452 003622' .WORD SUB70 ;PRINT COMMAND
326 1454 000000G .WORD SUB20.2 ;MOVE & CONVERT VEH *
327 1460 003326' .WORD SUB22.5 ;MOVE & CONVERT TRUCKING CO
328 1464 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
329 1466 000000G .WORD SUB07.ERR10 ;NOPE, NOT THERE
330 1472 000000G .WORD S121 ;TEST TRUCKING CO
331 1474 000000G .WORD SUB07.ERR8 ;WRONG ONE
332 1500 004300' .WORD S137.40000.12. ;ALARM ALREADY ACKED
333 1506 000000G .WORD SUB06.ERR59 ;YES
334 1512 004300' .WORD S137.2.2 ;REMOTE ALARM MODE SET
335 1520 000000G .WORD SUB07.CAA ;NO
336 1524 004300' .WORD S137.20000.2 ;IS ALERT SET
337 1532 000000G .WORD SUB06.CAB ;YES
338 1536 004220'CAA: .WORD S132 ;DECREMENT BELL COUNTER
339 1540 000000GCAB: .WORD S135.40000.12. ;SET ALARM ACK IN BS CNTRL 2
340 1546 004156' .WORD S129 ;F3/F6 ?
341 1550 000000G .WORD SUB07.CAC ;NO. END
342 1554 000000G .WORD SUB26.PDTC1.2 ;SETUP PDT
343 1562 000000G .WORD SUB29.2000 ;SET BSFLAG
344 1566 177777 CAC: .WORD -1
345
346 1570 001570'RR: .=. ;ASSIGN ROUTE NUMBER(S)
347 1570 003622' .WORD SUB70 ;PRINT COMMAND
348 1572 003526' .WORD SUB52 ;F1/F4 ?
349 1574 000000G .WORD SUB07.ERR9 ;INVALID MODE
350 1600 000000G .WORD SUB33 ;GET ROUTES & CO FROM INPUT
351 1602 000000G .WORD S113 ;TEST TRUCKING CO IN PDT
352 1604 000000G .WORD SUB07.ERR8 ;BAD CO
353 1610 000000G .WORD S133 ;VALIDATE ROUTE(S)
354 1612 000000G .WORD SUB07.ERR50 ;BAD ROUTE
355 1616 003470' .WORD SUB32.PDTC1 ;GET TCO.VID & VSTADR FROM PDT
356 1622 000000G .WORD SUB60 ;GET VOLATL BLK
357 1624 000000G .WORD SUB07.ERR27 ;NONE AVAILABLE
358 1630 000000G .WORD S115 ;READ VREF RECORD
359 1632 000000G .WORD SUB07.ERR20 ;BAD READ
360 1636 000000G .WORD SUB34 ;UPDATE VREF BUFFER WITH ROUTE(S)
361 1640 000000G .WORD SUB35 ;WRITE VREF BACK
362 1642 000000G .WORD SUB61 ;RELEASE VOLATL BUFFER
363 1644 000000G .WORD SUB07.ERR22 ;BAD WRITE
364 1650 177777 .WORD -1
365
366 1652 001652'AA: .=. ;ALARM ARM
367 1652 003260' .WORD SUB19.2.'A ;1 OR ALL
368 1660 000000G .WORD SUB06.AAA ;ARM ALL
369 1664 003622' .WORD SUB70 ;PRINT COMMAND
370 1666 003564' .WORD SUB54 ;F3/F6 ?
371 1670 000000G .WORD SUB07.ERR9 ;INVALID MODE

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372 1674 000000G .WORD SUB20.2 ;MOVE & CONVERT VEH *
373 1700 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
374 1702 000000G .WORD SUB07.ERR10 ;NOPE
375 1706 000000G .WORD S125 ;GET TRUCKING CO FROM VSTAT
376 1710 000000G .WORD S113 ;TEST FOR TRUCKING CO IN PDT
377 1712 000000G .WORD SUB07.ERR8 ;INVALID
378 1716 000000G .WORD SUB25 ;GET VID FROM VSTAT
379 1720 000000G .WORD S118.10 ;SETUP ARM ALARM COMMAND
380 1724 000000G .WORD S136.21.2 ;CLR NORMAL & REMOTE ALM PEND
381 1732 000000G .WORD S135.2.2 ;SET REMOTE ALARM
382 1740 000000G .WORD S112 ;ADD VID TO SPVEHD
383 1742 000000G .WORD SUB07.ERR28 ;EXCEEDED SPVEHD
384 1746 000000G .WORD SUB42.PDTC1.0.22 ;SET PDT FOR STATUS UPDATE
385 1756 000000G .WORD SUB29.2000 ;SET BSFLAG
386 1762 177777 .WORD -1
387
388 1764 001764'AD: .=. ;ALARM DISABLE
389 1764 003260' .WORD SUB19.2."A" ;1 OR ALL
390 1772 000000G .WORD SUB06.ADA ;DISABLE ALL
391 1776 003622' .WORD SUB70 ;PRINT COMMAND
392 2000 003564' .WORD SUB54 ;F3/F6 ?
393 2002 000000G .WORD SUB07.ERR9 ;INVALID
394 2006 000000G .WORD SUB20.2 ;MOVE & CONVERT VEH *
395 2012 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
396 2014 000000G .WORD SUB07.ERR10 ;NOPE
397 2020 000000G .WORD S125 ;GET TCO FROM VSTAT
398 2022 000000G .WORD S113 ;TEST FOR TCO IN PDT
399 2024 000000G .WORD SUB07.ERR8 ;INVALID
400 2030 000000G .WORD SUB25 ;GET VID FROM VSTAT
401 2032 000000G .WORD S118.4 ;SETUP LOCATION REQUEST COMMAND
402 2036 000000G .WORD S136.22.2 ;CLR REMOTE ALM & REM ALM PENDING
403 2044 000000G .WORD S135.1.2 ;SET NORMAL
404 2052 000000G .WORD S139 ;ADD VID TO SPVEHE
405 2054 000000G .WORD SUB07.ERR28 ;SPVEHE EXCEEDED
406 2060 000000G .WORD SUB42.PDTC1.0.22 ;SET PDT FOR STATUS UPDATE
407 2070 000000G .WORD SUB29.2000 ;SET BSFLAG
408 2074 177777 .WORD -1
409
410 2076 002076'ADA: .=. ;ALARM DISABLE ALL
411 2076 003622' .WORD SUB70 ;PRINT COMMAND
412 2100 003564' .WORD SUB54 ;F3/F6 ?
413 2102 000000G .WORD SUB07.ERR9 ;INVALID
414 2106 003326' .WORD SUB22.3 ;MOVE & CONVERT TRUCKING CO
415 2112 000000G .WORD S113 ;TEST TCO IN PDT
416 2114 000000G .WORD SUB07.ERR8 ;INVALID
417 2120 000000GADAA: .WORD SUB46 ;GET NEXT (1ST) VSTAT ENTRY
418 2122 000000G .WORD SUB07.ADAB ;FINISHED
419 2126 000000G .WORD S121 ;TEST FOR TCO IN VSTAT ENTRY
420 2130 000000G .WORD SUB07.ADAA ;WRONG TRUCKING CO
421 2134 000000G .WORD SUB25 ;GET VID
422 2136 000000G .WORD S118.4 ;SETUP LOC REQ COMMAND
423 2142 000000G .WORD S136.22.2 ;CLR VSTAT REM ALM & PENDING
424 2150 000000G .WORD S135.1.2 ;SET NORMAL

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425 2156 000000G .WORD S139 ;ADD VID TO SPVEHE
426 2160 000000G .WORD SUB06.ADA ;LOOP FOR NEXT VSTAT ENTRY
427 2164 000000G .WORD SUB71.28. ;SPVEHE EXCEEDED
428 2170 000000G .WORD SUB06.ADA ;LOOP BACK
429 2174 000000G .WORD SUB07.ADA ;LOOP BACK
430 2200 000000GADAB: .WORD SUB29.2000 ;NEW F3/F6 DISPLAY REQ
431 2204 000000G .WORD SUB27.PDTC1.2 ;SET PDT FOR NEW DISPALY
432 2212 177777 .WORD -1
433
434 2214 002214'AAA: .=. ;ARM ALARM ALL
435 2214 003622' .WORD SUB70 ;PRINT COMMAND
436 2216 003554' .WORD SUB54 ;F3/F6 ?
437 2220 000000G .WORD SUB07.ERR9 ;NO
438 2224 003326' .WORD SUB22.3 ;MOVE & CONVERT TRUCKING CO
439 2230 000000G .WORD S113 ;TEST TCO IN PDT
440 2232 000000G .WORD SUB07.ERR8 ;BAD TRUCK
441 2236 000000GAAAA: .WORD SUB46 ;GET NEXT (1ST) VSTAT ENTRY
442 2240 000000G .WORD SUB07.AAAB ;FINISHED
443 2244 000000G .WORD S121 ;TEST FOR TCO IN VSTAT ENTRY
444 2246 000000G .WORD SUB07.AAAA ;WRONG TRUCK
445 2252 000000G .WORD SUB25 ;GET VID FROM VSTAT
446 2254 000000G .WORD S118.10 ;SETUP ARM ALARM COMMAND
447 2260 000000G .WORD S136.21.2 ;CLR NORMAL & REMOTE ALM PENDING
448 2266 000000G .WORD S135.2.2 ;SET REMOTE ALARM IN VSTAT
449 2274 000000G .WORD S112 ;ADD VID TO SPVEHD
450 2276 000000G .WORD SUB06.AAAA ;LOOP BACK FOR NEXT
451 2302 000000G .WORD SUB71.28. ;SPVEHD EXCEEDED
452 2306 000000G .WORD SUB06.AAAA ;LOOP BACK
453 2312 000000G .WORD SUB07.AAAA ;LOOP BACK
454 2316 000000GAAAB: .WORD SUB29.2000 ;NEW F3/F6 DISPLAY
455 2322 000000G .WORD SUB27.PDTC1.2 ;SET PDT FOR NEW DISPALY
456 2330 177777 .WORD -1
457
458 2332 002332'DA: .=. ; DISABLE ALL SENSORS
459 2332 003622' .WORD SUB70 ;PRINT COMMAND
460 2334 003526' .WORD SUB52 ;TEST FOR F1/F4
461 2336 000000G .WORD SUB07.ERR9 ;INVALID IF NOT
462 2342 003470' .WORD SUB32.PDTC1 ;GET TCO.VID & VSTADR FROM PDT
463 2346 003724' .WORD S114 ;TEST ACK PENDING
464 2350 000000G .WORD SUB06.ERR12 ;YES, ERROR
465 2354 000000G .WORD SUB15.SENSOR.8. ;SET SENSOR FOR ALL
466 2362 000000G .WORD S118.7 ;SEND OUT COMMAND
467 2366 004256' .WORD S134 ;SET SENSOR IN BS CONTRL WD 2
468 2370 000000G .WORD S135.4000.10. ;SET ALL SENSOR DISABLE PENDING
469 2376 000000G .WORD S135.400.2 ;SET ACKNOWLEDGE PENDING FLAG
470 2404 177777 .WORD -1
471
472 2406 002406'TR: .=. ; TRACK ENABLE
473 2406 003622' .WORD SUB70 ;PRINT COMMAND
474 2410 003526' .WORD SUB52 ;TEST FOR F1/F4
475 2412 000000G .WORD SUB07.ERR9 ;INVALID IF NOT
476 2416 003470' .WORD SUB32.PDTC1 ;GET TCO.VID & VSTADR FROM PDT
477 2422 000000G .WORD S135.4.10. ;SET TRACK ENABLE IN FLAGS

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478 2430 000000G .WORD S135.100000.12. ; SET TRACK ENABLE IN BS CN 1
479 2436 177777 .WORD -1
480 2440 004346*PW: .WORD S140.BSPASS ;TEST PASS WORDS
481 2444 000000G .WORD SUB07.MINUS1 ;TERMINATE IF INVALID
482 2450 000000G .WORD SUB38.PDTK1.-1.0 ;ENABLE K1
483 2460 000000G .WORD SUB38.PDTC1.-1.0 ;ENABLE C1
484 2470 000000G .WORD SUB38.PDTK2.-1.0 ;ENABLE K2
485 2500 000000G .WORD SUB38.PDTP1.-1.0 ;ENABLE P1
486 2510 000000G .WORD SUB15.ONLINE.1 ;SET BASE STATION ONLINE
487 2516 177777 .WORD -1
488 2520 002520*CD: .=. ;BS COMMAND ENTRY
489 2520 002766* .WORD SUB04.INPUT.2.6.CMDWD1
490 2532 000000G .WORD SUB07.ERR24
491 2536 002766* .WORD SUB04.INPUT.9..6.CMDWD2
492 2550 000000G .WORD SUB07.ERR24
493 2554 003106* .WORD SUB05
494 2556 177777 .WORD -1
495
496 2560 000000GERR7: .WORD SUB71.07..SUB72.-1
497 2570 000000GERR8: .WORD SUB71.08..SUB72.-1
498 2600 000000GERR9: .WORD SUB71.09..SUB72.-1
499 2610 000000GERR10: .WORD SUB71.10..SUB72.-1
500 2620 000000GERR11: .WORD SUB71.11..SUB72.-1
501 2630 000000GERR12: .WORD SUB71.12..SUB72.-1
502 2640 000000GERR13: .WORD SUB71.13..SUB72.-1
503 2650 000000GERR14: .WORD SUB71.14..SUB72.-1
504 2660 000000GERR20: .WORD SUB71.20..SUB72.-1
505 2670 000000GERR22: .WORD SUB71.22..SUB72.-1
506 2700 000000GERR24: .WORD SUB71.24..SUB72.-1
507 2710 000000GERR27: .WORD SUB71.27..SUB72.-1
508 2720 000000GERR28: .WORD SUB71.28..SUB72.-1
509 2730 000000GERR48: .WORD SUB71.48..-1
510 2736 000000GERR49: .WORD SUB71.49..-1
511 2744 000000GERR50: .WORD SUB71.50..SUB72.-1
512 2754 000000GERR59: .WORD SUB71.59..SUB72.-1
513 2764 177777 MINUS1: .WORD -1
514
515
516 ;*****
517 ; SUB-PROCESS 04 OCTAL ASCII TO BINARY
518 ;*****
519 2766 010546 SUB04: MOV R5, -(SP)
520 2770 005037 CLR RESULT
521 2774 013700 MOV ADDRESS, R0
522 3000 062737 ADD #8, ADDRESS
523 3006 016001 CJV 2(R0), R1
524 3012 066001 ADD 4(R0), R1
525 3016 016002 MOV 6(R0), R2
526 3022 016037 MOV 8, (R0), SUB04F
527 3030 112762 MOVB #15, TTYBUF(R2)
528 3036 005003 CLR R3
529 3040 112163 SUB04A: MOVB (R1)+, TTYBUF(R3)
530 3044 005203 INC R3

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531 3046 005302      DEC      R2
532 3050 001401      BEQ      SUB04B
533 3052 100372      BPL      SUB04A
534 3054 005004 SUB04B: CLR      R4
535 3056 004537      JSR      R5, OCTOBN
536 3062 000401      BR       SUB04C
537 3064 000403      BR       SUB04D
538 3066 010377 SUB04C: MOV      R3, @SUB04F
539 3072 000402      BR       SUB04E
540 3074 005237 SUB04D: INC      RESULT
541 3100 012605 SUB04E: MOV      (SP)+, R5
542 3102 000205      RTS      R5
543 3104 000000 SUB04F: .WORD    0
544      ;
545      ;*****
546      ; SUB-PROCESS 05      SETUP BS COMMAND
547      ;*****
548      ;
549 3106 010546 SUB05:  MOV      R5, -(SP)
550 3110 013737      MOV      CMDWD1, SUB05A
551 3116 013737      MOV      CMDWD2, SUB05B
552 3124 004537      JSR      R5, BASECD
553 3130 000000 SUB05A: .WORD    0
554 3132 000000 SUB05B: .WORD    0
555 3134 012605      MOV      (SP)+, R5
556 3136 000205      RTS      R5
557      ;
558      ;*****
559      ; SUB-PROCESS 08      TRANSFER TO ANOTHER TABLE IF ANSWER = 0
560      ;*****
561      ;
562 3140 062737 SUB08:  ADD      #2, ADDRESS
563 3146 005737      TST      ANSWER
564 3152 001006      BNE      SUB08E
565 3154 017700      MOV      @ADDRESS, R0
566 3160 005300      DEC      R0
567 3162 005300      DEC      R0
568 3164 010037      MOV      R0, ADDRESS
569 3170 000205 SUB08E: RTS      R5
570      ;
571      ;*****
572      ; SUB-PROCESS 09      TRANSFER TO ANOTHER TABLE IF ANSWER NOT 0
573      ;*****
574      ;
575 3172 062737 SUB09:  ADD      #2, ADDRESS
576 3200 005737      TST      ANSWER
577 3204 001406      BEQ      SUB09E
578 3206 017700      MOV      @ADDRESS, R0
579 3212 005300      DEC      R0
580 3214 005300      DEC      R0
581 3216 010037      MOV      R0, ADDRESS
582 3222 000205 SUB09E: RTS      R5
583      ;

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584      ;*****
585      ; SUB-PROCESS 11  SET 'ANSWER' = 'RESULT'
586      ;*****
587      ;
588 3224 013737 SUB11: MOV    RESULT,ANSWER
589 3232 000205      RTS    R5
590      ;
591      ;*****
592      ; SUB-PROCESS 17  SETUP BSRQST
593      ;*****
594      ;
595 3234 062737 SUB17: ADD    #2,ADDRESS
596 3242 013737      MOV    VID,BSRQST
597 3250 117737      MOVB   @ADDRESS,BSRQST+1
598 3256 000205      RTS    R5
599      ;
600      ;*****
601      ; SUB-PROCESS 19  TEST CHAR IN "INPUT" = VALUE
602      ;*****
603      ;
604 3260 062737 SUB19: ADD    #2,ADDRESS
605 3266 017700      MOV    @ADDRESS,R0
606 3272 062737      ADD    #2,ADDRESS
607 3300 005037      CLR    RESULT
608 3304 126077      CMPB   INPUT(R0),@ADDRESS
609 3312 001402      BEQ    SUB19E
610 3314 005237      INC    RESULT
611 3320 000205 SUB19E: RTS    R5
612 3322 005037      CLR    RESULT
613      ;
614      ;*****
615      ; SUB-PROCESS 22  MOVE & CONVERT TRUCKING CO (ASCII-BINARY)
616      ;*****
617      ;
618 3326 062737 SUB22: ADD    #2,ADDRESS
619 3334 017701      MOV    @ADDRESS,R1
620 3340 116137      MOVB   INPUT(R1),T
621 3346 005037      CLR    TCO
622 3352 113737      MOVB   T,TCO
623 3360 162737      SUB    #61,TCO
624 3366 000205      RTS    R5
625      ;
626      ;*****
627      ; SUB-PROCESS 23  MOVE & CONVERT SENSOR (ASCII-BINARY)
628      ;*****
629      ;
630 3370 062737 SUB23: ADD    #2,ADDRESS
631 3376 017701      MOV    @ADDRESS,R1
632 3402 116137      MOVB   INPUT(R1),M
633 3410 005037      CLR    SENSOR
634 3414 113737      MOVB   M,SENSOR
635 3422 162737      SUB    #60,SENSOR
636 3430 000205      RTS    R5

```

```

;OFFSET IN "INPUT"
;SAVE ASCII TRUCKING CO IN T

```

```

;CONVERT TO BINARY IN TCO

```

```

;OFFSET IN "INPUT"
;SAVE ASCII SENSOR IN M

```

```

;CONVERT TO BINARY IN SENSOR

```

```

637      ;
638      ;
639      ;*****
640      ;
641      ; SUB-PROCESS 28   TEST FOR BIT SET (RESULT=0 IF SET)
642      ;*****
643      ;
644 3432 005037 SUB28: CLR      RESULT
645 3436 013700      MOV      ADDRESS,R0
646 3442 062737      ADD      #4,ADDRESS
647 3450 016001      MOV      2(R0),R1
648 3454 036011      BIT      4(R0),(R1)
649 3460 001002      BNE      SUB28E
650 3462 005237      INC      RESULT
651 3466 000205 SUB28E: RTS      R5
652      ;
653      ; SUB-PROCESS 32   GET VID, TCO, & VSTADR FROM PDT
654      ;*****
655      ;
656 3470 062737 SUB32: ADD      #2,ADDRESS
657 3476 017700      MOV      @ADDRESS,R0
658 3502 116037      MOVB     6(R0),VID
659 3510 116037      MOVB     7(R0),TCO
660 3516 016037      MOV      8.(R0),VSTADR
661 3524 000205      RTS      R5
662      ;
663      ;
664      ;*****
665      ; SUB-PROCESS 52   TEST FOR DISPLAY MODE = 1 OR 4
666      ;*****
667      ;
668 3526 013700 SUB52: MOV      PDTADR,R0
669 3532 005037      CLR      RESULT
670 3536 122760      CMPB     #1,4(R0)
671 3544 001406      BEQ      SUB52E
672 3546 122760      CMPB     #4,4(R0)
673 3554 001402      BEQ      SUB52E
674 3556 005237      INC      RESULT
675 3562 000205 SUB52E: RTS      R5
676      ;
677      ;*****
678      ; SUB-PROCESS 54   TEST FOR DISPLAY MODE = 3 OR 6
679      ;*****
680      ;
681 3564 013700 SUB54: MOV      PDTADR,R0
682 3570 005037      CLR      RESULT
683 3574 122760      CMPB     #3,4(R0)
684 3602 001406      BEQ      SUB54E
685 3604 122760      CMPB     #6,4(R0)
686 3612 001402      BEQ      SUB54E
687 3614 005237      INC      RESULT
688 3620 000205 SUB54E: RTS      R5
689      ;

```

```

690      ;*****
691      : SUB-PROCESS 70   PRINT 'INPUT' ON PRINTER
692      ;*****
693      :
694 3622 005037 SUB70: CLR    RESULT
695 3626 013701      MOV    ICHARS,R1
696 3632 112761      MOVB   #' ,INPUT-1(R1)      ;REPLACE 'CR' WITH ' '
697 3640 013737      MOV    ICHARS,SUB70A
698 3646 010546      MOV    R5,-(SP)
699 3650 004577      JSR     R5,@PRTADR
700 3654 000000G     .WORD   INPUT
701 3656 000000 SUB70A: .WORD   0
702 3660 000000 SUB70B: .WORD   0
703 3662 013737      MOV    SUB70B,RESULT
704 3670 012605 SUB70C: MOV    (SP)+,R5
705 3672 000205 SUB70E: RTS    R5
706      :
707      :
708      ;*****
709      : SUB-PROCESS 101  TEST 0 .LE. SENSOR .LE. 7
710      ;*****
711      :
712 3674 005037 S101:  CLR    RESULT
713 3700 022737      CMP     #'7,SENSOR
714 3706 100403      BMI     S101A
715 3710 005737      TST     SENSOR
716 3714 100002      BPL     S101E
717 3716 005237 S101A: INC     RESULT
718 3722 000205 S101E: RTS    R5
719      :
720      :
721      ;*****
722      : SUB-PROCESS 114  TEST FOR ACK PENDING
723      :                      (RESULT SET .NE. 0 IF ACK PENDING NOT SET)
724      ;*****
725      :
726 3724 005037 S114:  CLR    RESULT
727 3730 013700      MOV    VSTADR,R0
728 3734 032760      BIT     #400,2(R0)
729 3742 001002      BNE     S114E
730 3744 005237      INC     RESULT
731 3750 000205 S114E: RTS    R5
732      ;*****
733      : SUB-PROCESS 116  TEST SENSOR STATUS USING SENSOR & VREF
734      :                      ENTRY IN BUFFER ADR
735      :
736 3752 005037 S116:  CLR    RESULT
737 3756 013700      MOV    BUFFER,R0
738 3762 005001      CLR     R1
739 3764 012702      MOV     #1,R2
740 3770 023701 S116A: CMP     SENSOR,R1
741 3774 001406      BEQ     S116B
742 3776 005201      INC     R1

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```
743 4000 006302      ASL      R2
744 4002 022701      CMP      #9.,R1
745 4006 100370      BPL      S116A
746 4010 000406      BR       S116E
747 4012 016001 S116B: MOV      36(R0),R1
748 4016 030201      BIT      R2,R1
749 4020 001002      BNE      S116E
750 4022 005237      INC      RESULT
751 4026 000205 S116E: RTS      R5
752
753      ;*****
754      ; SUB-PROCESS 119  SETUP RAM LOAD
755      ;*****
756
757 4030 010546 S119:  MOV      R5,-(SP)
758 4032 013737      MOV      VID,S119A
759 4040 004537      JSR      R5,ALCCMD
760 4044 000013      .WORD    11.
761 4046 000000 S119A: .WORD    0
762 4050 000000      .WORD    0
763 4052 012605      MOV      (SP)+,R5
764 4054 000205      RTS      R5
765
766      ;*****
767      ; SUP-PROCESS 117  SETUP SENSOR ENABLE/DISABLE
768      ;*****
769
770 4056 010546 S117:  MOV      R5,-(SP)
771 4060 062737      ADD      #2,ADDRES
772 4066 017737      MOV      @ADDRES,CMDBUF      ; FORMAT
773 4074 013700      MOV      VID,R0
774 4100 006300      ASL      R0
775 4102 006300      ASL      R0
776 4104 006300      ASL      R0
777 4106 006300      ASL      R0
778 4110 050037      BIS      R0,CMDBUF      ; VID
779 4114 013700      MOV      SENSOR,R0
780 4120 006300      ASL      R0
781 4122 006300      ASL      R0
782 4124 150037      BISB    R0,CMDBUF+1
783 4130 004537      JSR      R5,CMD0
784 4134 012605      MOV      (SP)+,R5
785 4136 000205      RTS      R5
786
787      ;*****
788      ; SUB-PROCESS 122  SET TRUCKING CO
789      ;*****
790
791 4140 062737 S122:  ADD      #2,ADDRES
792 4146 017737      MOV      @ADDRES,TCO
793 4154 000205      RTS      R5
794
795      ;*****
```


CONTINUED

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796      ; SUB-PROCESS 129  TEST FOR F3/F6 & CORRECT TCO
797      ;*****
798      ;
799 4156 010546 S129:  MOV    R5, -(SP)
800 4160 004537      JSR     R5, S106      ; GET VSTAT ENTRY
801 4164 005737      TST     RESULT
802 4170 001011      BNE     S129E
803 4172 004537      JSR     R5, S125      ; GET TRUCKING CO
804 4176 004537      JSR     R5, S113      ; TEST TRUCKING CO II: PDT
805 4202 005737      TST     RESULT
806 4206 001002      BNE     S129E      ; BAD TRUCK
807 4210 004537      JSR     R5, SUB54      ; F3/F6?
808 4214 012605 S129E: MOV    (SP)+, R5
809 4216 000205      RTS     R5
810      ;
811      ;*****
812      ; SUB-PROCESS 132  DECREMENT ALARM BELL COUNTER (GIBELL OR TCBELL)
813      ;*****
814      ;
815 4220 005737 S132:  TST     TCO
816 4224 001006      BNE     S132A
817 4226 005337      DEC     TCBELL
818 4232 100010      BPL     S132E
819 4234 005037      CLR     TCBELL
820 4240 000405      BR      S132E
821 4242 005337 S132A: DEC     GIBELL
822 4246 100002      BPL     S132E
823 4250 005037      CLR     GIBELL
824 4254 000205 S132E: RTS     R5
825      ;
826      ;*****
827      ; SUB-PROCESS 134  SET SENSOR FIELD IN BASE STATION CONTROL WD 2
828      ;*****
829      ;
830 4256 013700 S134:  MOV     VSTADR, R0
831 4262 042760      BIC     #17, 14, (R0)
832 4270 053760      BIS     SENSOR, 14, (R0)
833 4276 000205      RTS     R5
834      ;
835      ;*****
836      ; SUBPROCESS 134  SET SENSOR FIELD IN BASE STATION CONTROL WD 2
837      ;
838      ;*****
839      ;
840      ;*****
841      ;
842 4300 005037 S137:  CLR     RESULT
843 4304 062737      ADD     #2, ADDRESS
844 4312 017700      MOV     @ADDRESS, R0
845 4316 062737      ADD     #2, ADDRESS
846 4324 017701      MOV     @ADDRESS, R1
847 4330 063701      ADD     VSTADR, R1
848 4334 030011      BIT     R0, (R1)

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```

849 4336 001002      BNE      S137E
850 4340 005237      INC      RESULT
851 4344 000205 S137E: RTS      R5
852      :
853      :
854      :*****
855      : SUB-PROCESS 140  TEST PASSWORD IN INPUT+2
856      :*****
857      :
858 4346 005037 S140:  CLR      RESULT
859 4352 062737      ADD      #2,ADDRESS
860 4360 017700      MOV      @ADDRESS,R0
861 4364 005710 S140A: TST      (R0)
862 4366 001406      BEQ      S140B
863 4370 021037      CMP      (R0),INPUT+2
864 4374 001405      BEQ      S140E
865 4376 005200      INC      R0
866 4400 005200      INC      R0
867 4402 000770      BR       S140A
868 4404 005237 S140B: INC      RESULT
869 4410 000205 S140E: RTS      R5
870      :
871      : *****
872      : SUB-PROCESS 142  UPDATE POLLING BUFFERS
873      : *****
874      :
875 4412 010546 S142:  MOV      R5,-(SP)
876 4414 010246      MOV      R2,-(SP)
877 4416 010146      MOV      R1,-(SP)
878 4420 010046      MOV      R0,-(SP)
879 4422 062737      ADD      #2,ADDRESS
880 4430 017700      MOV      @ADDRESS,R0
881 4434 016001      MOV      TAB(R0),R1
882 4440 062737      ADD      #2,ADDRESS
883 4446 017700      MOV      @ADDRESS,R0
884 4452 016002      MOV      TAB(R0),R2
885 4456 005721 S142A: TST      (R1)+
886 4460 001403      BEQ      S142C
887 4462 020102      CMP      R1,R2
888 4464 100774      BMI      S142A
889 4466 000403      BR       S142B
890 4470 013761 S142C: MOV      CMDBUF,-2(R1)
891 4476 012600 S142B: MOV      (SP)+,R0
892 4500 012601      MOV      (SP)+,R1
893 4502 012602      MOV      (SP)+,R2
894 4504 012605      MOV      (SP)+,R5
895 4506 000205      RTS
896      :
897      000001"      .END

```

AA	001652R	AAA	002214R	AAAA	002236R
AAAB	002316R	AD	001764R	ADA	002076R
ADAA	002120R	ADAB	002200R	ADDRES=	***** G
ALCCMD=	***** G	ANSWER=	***** G	BASECD=	***** G
BSPASS=	***** G	BSRQST=	***** G	BUFFER=	***** G
CA	001452R	CAA	001536R	CAB	001540R
CAC	001566R	CD	002520R	CMDBUF=	***** G
CMD0 =	***** G	CMDWD1=	***** G	CMDWD2=	***** G
CMK1	000504R	CMPCMD	000256R	DA	002332R
DISADR=	***** G	DO	001332R	EDIT	000216R
EO	001402R	ERRPRT=	***** G	ERR10	002610R
ERR11	002620R	ERR12	002630R	ERR13	002640R
ERR14	002650R	ERR20	002660R	ERR22	002670R
ERR24	002700R	ERR27	002710R	ERR28	002720R
ERR48	002730R	ERR49	002736R	ERR50	002744R
ERR59	002754R	ERR7	002560R	ERR8	002570R
ERR9	002600R	FINIK1	000212R	FKK1	000426R
FUNKEY=	***** G	F1	000604R	F1A	000620R
F15	001002R	F16	001012R	F2	000660R
F2A	000674R	F3	000712R	F3A	000726R
F4	000614R	F5	000670R	F6	000722R
F7	000744R	F7A	000766R	F8	000776R
F9	001000R	GIBELL=	***** G	GOEDIT	000204R
GOON	000304R	IC	000122R	ICHARS=	***** G
ILLK1	000576R	INITK1	000002R	INPUT =	***** G
KBEDIT	000000RG	KB1A	000056R	M =	***** G
MATCH	000356R	MATCH1	000410R	MESSP1=	***** G
MINUS1	002764R	MOVCI =	***** G	MOVER =	***** G
MOVK1 =	***** G	MOVPI =	***** G	MR	001274R
NOCMP	000420R	OCTOBN=	***** G	ONLINE=	***** G
PC	=%000007	PDTADR=	***** G	PDTCT1 =	***** G
PDTINP=	***** G	PDTK1 =	***** G	PDTK2 =	***** G
PDTP1 =	***** G	PROCA	000316R	PROCB	000342R
PROCE	000352R	PROCES	000314R	PRTADR=	***** G
PRTPDT=	***** G	PW	002440R	RESULT=	***** G
RET	000424R	RETADR=	***** G	RL	001240R
RR	001570R	R0	=%000000	R1	=%000001
R2	=%000002	R3	=%000003	R4	=%000004
R5	=%000005	SD	001024R	SDA	001034R
SE	001132R	SEA	001142R	SENSOR=	***** G
SETPW	000176R	SOH	= 000001	SP	=%000006
SUB04	002766R	SUB04A	003040R	SUB04B	003054R
SUB04C	003066R	SUB04D	003074R	SUB04E	003100R
SUB04F	003104R	SUB05	003106R	SUB05A	003130R
SUB05B	003132R	SUB06 =	***** G	SUB07 =	***** G
SUB08	003140R	SUB08E	003170R	SUB09	003172R
SUB09E	003222R	SUB10 =	***** G	SUB11	003224R
SUB15 =	***** G	SUB17	003234R	SUB19	003260R
SUB19E	003320R	SUB20 =	***** G	SUB22	003326R
SUB23	003370R	SUB25 =	***** G	SUB26 =	***** G
SUB27 =	***** G	SUB28	003432R	SUB28E	003466R
SUB29 =	***** G	SUB32	003470R	SUB33 =	***** G
SUB34 =	*** ** G	SUB35 =	***** G	SUB38 =	***** G

SUB42 = ***** G	SUB46 = ***** G	SUB52 003526R
SUB52E 003562R	SUB54 003564RG	SUB54E 003620R
SUB60 = ***** G	SUB61 = ***** G	SUB70 003622R
SUB70A 003656R	SUB70B 003660R	SUB70C 003670R
SUB70E 003672R	SUB71 = ***** G	SUB72 = ***** G
S101 003674R	S101A 003716R	S101E 003722R
S105 = ***** G	S106 = ***** G	S112 = ***** G
S113 = ***** G	S114 003724R	S114E 003750R
S115 = ***** G	S116 003752R	S116A 003770R
S116B 004012R	S116E 004020R	S117 004056R
S118 = ***** G	S119 004030R	S119A 004046R
S121 = ***** G	S122 004140R	S125 = ***** G
S129 004156R	S129E 004214R	S132 004220R
S132A 004242R	S132E 004254R	S133 = ***** G
S134 004256R	S135 = ***** G	S136 = ***** G
S137 004300R	S137E 004344R	S139 = ***** G
S140 004346R	S140A 004364R	S140B 004404R
S140E 004410R	S142 004412R	S142A 004456R
S142B 004476R	S142C 004470R	T = ***** G
TAB = ***** G	TCBELL = ***** G	TCO = ***** G
TR 002406R	TRYNXT 000362R	TTYBUF = ***** G
VID = ***** G	VSTADR = ***** G	VVV = ***** G
VVVX = ***** G	...V2 = 000001	
.ABS. 000000 000		
004510 001		

ERRORS DETECTED: 0
FREE CORE: 17020. WORDS

.LP:/C:=KBEDIT.MAC

	1-215	1-215*	1-279	1-279*	1-289	1-289*	1-299
	1-299*	1-311	1-311*	1-324	1-324*	1-346	1-346*
	1-366	1-366*	1-388	1-388*	1-410	1-410*	1-434
	1-434*	1-458	1-458*	1-472	1-472*	1-488	1-488*
...V2	1-13*						
AA	1-176	1-366*					
AAA	1-368	1-434*					
AAAA	1-441*		1-450	1-452	1-453		
AAAB	1-442	1-454*					
AD	1-177	1-388*					
ADA	1-390	1-410*					
ADAA	1-417*	1-420	1-426	1-428	1-429		
ADAB	1-418	1-430*					
ADDRES	1-37*	1-91*	1-93	1-99*	1-101	1-103*	1-112
	1-114	1-116	1-118*	1-126	1-135*	1-137*	1-521
	1-522*	1-562*	1-565	1-568*	1-575*	1-578	1-581*
	1-595*	1-597	1-604*	1-605	1-606*	1-608	1-618*
	1-619	1-630*	1-631	1-645	1-646*	1-656*	1-657
	1-771*	1-772	1-791*	1-792	1-843*	1-844	1-845*
	1-846	1-859*	1-860	1-879*	1-880	1-882*	1-883
ALCCMD	1-41*	1-759					
ANSWER	1-40*	1-563	1-576	1-588*			
BASECD	1-40*	1-552					
BSPASS	1-19*	1-480					
BSRQST	1-40*	1-596*	1-597*				
BUFFER	1-41*	1-737					
CA	1-174	1-324*					
CAA	1-335	1-338*					
CAB	1-337	1-339*					
CAC	1-341	1-344*					
CD	1-181	1-488*					
CMDBUF	1-41*	1-772*	1-778*	1-782*	1-890		
CMD0	1-41*	1-783					
CMDWD1	1-37*	1-489	1-550				
CMDWD2	1-37*	1-491	1-551				
CMK1	1-99	1-168*					
CMPCMD	1-94	1-99*					
DA	1-178	1-458*					
DISADR	1-35*	1-50*					
DO	1-172	1-299*					
EDIT	1-84	1-68*					
EO	1-173	1-311*					
ERR10	1-193	1-329	1-374	1-396	1-499*		
ERR11	1-238	1-261	1-500*				
ERR12	1-241	1-264	1-285	1-464	1-501*		
ERR13	1-249	1-502*					
ERR14	1-272	1-503*					
ERR20	1-245	1-268	1-359	1-504*			
ERR22	1-363	1-505*					
ERR24	1-186	1-490	1-492	1-506*			
ERR27	1-243	1-266	1-357	1-507*			
ERR28	1-383	1-405	1-508*				
ERR48	1-305	1-509*					
ERR49	1-317	1-510*					
ERR50	1-354	1-511*					
ERR59	1-333	1-512*					

ERR7	1-496*						
ERR8	1-195	1-331	1-352	1-377	1-399	1-416	1-440
	1-497*						
ERR9	1-235	1-258	1-282	1-292	1-302	1-314	1-349
	1-371	1-393	1-413	1-437	1-461	1-475	1-498*
ERRPRT	1-35*	1-51*					
F1	1-143	1-188*					
F15	1-161	1-227*					
F16	1-163	1-230*					
F1A	1-189	1-191*					
F2	1-145	1-201*					
F2A	1-202	1-204*					
F3	1-147	1-208*					
F3A	1-209	1-211*					
F4	1-149	1-190*					
F5	1-151	1-203*					
F6	1-153	1-210*					
F7	1-155	1-215*					
F7A	1-217	1-220*					
F8	1-157	1-223*					
F9	1-159	1-225*					
FINIK1	1-72	1-86*					
FKK1	1-91	1-142*					
FUNKEY	1-36*	1-61*	1-97*				
GIBELL	1-41*	1-821*	1-823*				
GOEDIT	1-74	1-80	1-82	1-84*			
GOON	1-98	1-102	1-104*				
IC	1-70*	1-71					
ICHARS	1-36*	1-71*	1-695	1-697			
ILLK1	1-103	1-186*					
INITK1	1-47*	1-85					
INPUT	1-36*	1-40*	1-69	1-79	1-81*	1-83*	1-127
	1-489	1-491	1-608	1-620	1-632	1-696*	1-700
	1-863						
KB1A	1-56*	1-60					
KBEDIT	1-17*	1-43*					
M	1-40*	1-632*	1-634				
MATCH	1-92	1-100	1-126*				
MATCH1	1-128	1-135*					
MESSP1	1-22*	1-51					
MINUS1	1-481	1-513*					
MOVC1	1-21*	1-50					
MOVER	1-35*	1-47*	1-68				
MOVK1	1-21*	1-47					
MOVPI	1-21*	1-52					
MR	1-171	1-289*					
NOCMP	1-130	1-132	1-137*				
OCTOBN	1-40*	1-535					
ONLINE	1-18*	1-73	1-227	1-486			
PDTADR	1-35*	1-48*	1-668	1-681			
PDTCT1	1-20*	1-48	1-197	1-204	1-211	1-239	1-262
	1-283	1-286	1-293	1-303	1-307	1-315	1-319
	1-342	1-355	1-384	1-406	1-431	1-455	1-462
	1-476	1-483					
PDTINP	1-35*	1-53*	1-76				
PDTK1	1-20*	1-53	1-230	1-482			
PDTK2	1-20*	1-484					

PDTP1	1-20*	1-49	1-216	1-218	1-220	1-485	
PROCA	1-112*	1-119					
PROCB	1-118*						
PROCE	1-113	1-115	1-120*				
PROCES	1-104	1-111*					
PRTADR	1-35*	1-52*	1-699				
PRTPDT	1-35*	1-49*					
PW	1-180	1-480*					
RESULT	1-38*	1-520*	1-540*	1-588	1-607*	1-610*	1-612*
	1-644*	1-650*	1-669*	1-674*	1-682*	1-687*	1-694*
	1-703*	1-712*	1-717*	1-726*	1-730*	1-736*	1-750*
	1-801	1-805	1-842*	1-850*	1-858*	1-868*	
RET	1-136	1-138*					
RETADR	1-36*	1-58*					
RL	1-170	1-279*					
RR	1-175	1-346*					
S101	1-237	1-260	1-712*				
S101A	1-714	1-717*					
S101E	1-716	1-718*					
S105	1-30*	1-192	1-328	1-373	1-395		
S106	1-41*	1-800					
S112	1-30*	1-382	1-449				
S113	1-30*	1-351	1-376	1-398	1-415	1-439	1-804
S114	1-240	1-263	1-284	1-463	1-726*		
S114E	1-729	1-731*					
S115	1-31*	1-244	1-267	1-358			
S116	1-246	1-269	1-736*				
S116A	1-740*	1-745					
S116B	1-741	1-747*					
S116E	1-746	1-749	1-751*				
S117	1-250	1-273	1-770*				
S118	1-31*	1-295	1-379	1-401	1-422	1-446	1-466
S119	1-287	1-757*					
S119A	1-758*	1-761*					
S121	1-32*	1-194	1-330	1-419	1-443		
S122	1-188	1-190	1-201	1-203	1-208	1-210	1-791*
S125	1-32*	1-375	1-397	1-803			
S129	1-340	1-799*					
S129E	1-802	1-806	1-808*				
S132	1-338	1-815*					
S132A	1-816	1-821*					
S132E	1-818	1-820	1-822	1-824*			
S133	1-33*	1-353					
S134	1-251	1-274	1-467	1-830*			
S135	1-34*	1-252	1-253	1-275	1-276	1-294	1-318
	1-339	1-381	1-403	1-424	1-448	1-468	1-469
	1-477	1-478					
S136	1-34*	1-306	1-380	1-402	1-423	1-447	
S137	1-304	1-316	1-332	1-334	1-336	1-842*	
S137E	1-849	1-851*					
S139	1-34*	1-404	1-425				
S140	1-480	1-858*					
S140A	1-861*	1-867					
S140B	1-862	1-868*					
S140E	1-864	1-869*					
S142	1-296	1-875*					
S142A	1-885*	1-888					

S142B	1-889	1-891*					
S142C	1-886	1-890*					
SD	1-168	1-233*					
SDA	1-236*						
SE	1-169	1-256*					
SEA	1-259*						
SENSOR	1-39*	1-465	1-633*	1-634*	1-635*	1-713	1-715
	1-740	1-779	1-832				
SETPW	1-78	1-83*					
SOH	1-42*	1-142	1-144	1-146	1-148	1-150	1-152
	1-154	1-156	1-158	1-160	1-162		
SUB04	1-489	1-491	1-519*				
SUB04A	1-529*	1-533					
SUB04B	1-532	1-534*					
SUB04C	1-536	1-538*					
SUB04D	1-537	1-540*					
SUB04E	1-539	1-541*					
SUB04F	1-526*	1-538*	1-543*				
SUB05	1-493	1-549*					
SUB05A	1-550*	1-553*					
SUB05B	1-551*	1-554*					
SUB06	1-23*	1-217	1-241	1-264	1-285	1-317	1-333
	1-337	1-368	1-390	1-426	1-428	1-450	1-452
	1-464						
SUB07	1-23*	1-193	1-195	1-235	1-238	1-243	1-245
	1-258	1-261	1-266	1-268	1-282	1-292	1-302
	1-305	1-314	1-329	1-331	1-335	1-341	1-349
	1-352	1-354	1-357	1-359	1-363	1-371	1-374
	1-377	1-383	1-393	1-396	1-399	1-405	1-413
	1-416	1-418	1-420	1-429	1-437	1-440	1-442
	1-444	1-453	1-461	1-475	1-481	1-490	1-492
SUB08	1-272	1-562*					
SUB08E	1-564	1-569*					
SUB09	1-249	1-575*					
SUB09E	1-577	1-582*					
SUB10	1-23*	1-186	1-189	1-202	1-209		
SUB11	1-247	1-270	1-588*				
SUB15	1-24*	1-227	1-465	1-486			
SUB17	1-595*						
SUB19	1-367	1-389	1-604*				
SUB19E	1-609	1-611*					
SUB20	1-24*	1-191	1-326	1-372	1-394		
SUB22	1-327	1-414	1-438	1-518*			
SUB23	1-236	1-259	1-630*				
SUB25	1-25*	1-196	1-378	1-400	1-421	1-445	
SUB26	1-26*	1-218	1-286	1-307	1-319	1-342	
SUB27	1-26*	1-220	1-431	1-455			
SUB28	1-216	1-544*					
SUB28E	1-649	1-651*					
SUB29	1-26*	1-198	1-205	1-212	1-308	1-320	1-343
	1-385	1-407	1-430	1-454			
SUB32	1-239	1-262	1-283	1-293	1-303	1-315	1-355
	1-462	1-476	1-656*				
SUB33	1-27*	1-350					
SUB34	1-27*	1-360					
SUB35	1-27*	1-361					
SUB38	1-27*	1-197	1-204	1-211	1-230	1-482	1-483

	1-484	1-485					
SUB42	1-27#	1-384	1-406				
SUB46	1-27#	1-417	1-441				
SUB52	1-234	1-257	1-281	1-291	1-301	1-313	1-348
	1-460	1-474	1-668#				
SUB52E	1-671	1-673	1-675#				
SUB54	1-28#	1-370	1-392	1-412	1-436	1-681#	1-807
SUB54E	1-684	1-686	1-688#				
SUB60	1-28#	1-242	1-265	1-356			
SUB61	1-28#	1-248	1-271	1-362			
SUB70	1-233	1-256	1-280	1-290	1-300	1-312	1-325
	1-347	1-369	1-391	1-411	1-435	1-459	1-473
	1-694#						
SUB70A	1-697*	1-701#					
SUB70B	1-702#	1-703					
SUB70C	1-704#						
SUB70E	1-705#						
SUB71	1-29#	1-427	1-451	1-496	1-497	1-498	1-499
	1-500	1-501	1-502	1-503	1-504	1-505	1-506
	1-507	1-508	1-509	1-510	1-511	1-512	
SUB72	1-29#	1-496	1-497	1-498	1-499	1-500	1-501
	1-502	1-503	1-504	1-505	1-506	1-507	1-508
	1-511	1-512					
T	1-40#	1-620*	1-622				
TAB	1-41#	1-881	1-884				
TCBELL	1-41#	1-817*	1-819*				
TCO	1-36#	1-40#	1-64*	1-621*	1-622*	1-623*	1-659*
	1-792*	1-815					
TR	1-179	1-472#					
TRYHXT	1-127#	1-134					
TTYBUF	1-40#	1-527*	1-529*				
VID	1-36#	1-40#	1-62*	1-596	1-658*	1-758	1-773
VSTADR	1-36#	1-63*	1-660*	1-727	1-830	1-847	
VVV	1-38#						
VVVX	1-38#						

...CM1	1-13#	
...CM2	1-13#	
...CM3	1-13#	
...CM4	1-13#	
...V2..	1-12#	1-13
...REGDE	1-12#	1-14

.....

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1      .TITLE  TYEDIT
2      ;
3      ; BASE STATION  TTY KEYBOARD EDIT ROUTINE
4      ;
5      ;
6      .MCALL  ..V2....REGDEF
7 000000      ..V2..
8 000000      .REGDEF
9      .NLIST  BEX
10     ;
11     .GLOBL  TYEDIT
12     .GLOBL  BSFLAG
13     .GLOBL  PDTC1,PDTK1,PDTP1,PDTK2
14     .GLOBL  BUFC1,BUFC1,BUFP1,BUFC2
15     .GLOBL  MOVC1,MOVK1,MOVP1,MOVK2
16     .GLOBL  MESSP1
17     .GLOBL  SUB01,SUB02,SUB03
18     .GLOBL  SUB06,SUB07,SUB08,SUB09,SUB10
19     .GLOBL  SUB11,SUB12,SUB13,SUB14,SUB15
20     .GLOBL  SUB16,SUB17,SUB18,SUB19,SUB20
21     .GLOBL  SUB21,SUB22,SUB23,SUB24,SUB25
22     .GLOBL  SUB26,SUB27,SUB28,SUB29,SUB30
23     .GLOBL  SUB31,SUB32,SUB33,SUB34,SUB35
24     .GLOBL  SUB36,SUB37,SUB38,SUB39,SUB40
25     .GLOBL  SUB41,SUB42,SUB43,SUB44,SUB45
26     .GLOBL  SUB46,SUB47,SUB48,SUB49
27     .GLOBL  SUB50,SUB51,SUB52,SUB53,SUB54
28     .GLOBL  SUB55
29     .GLOBL  SUB60,SUB61
30     .GLOBL  SUB70,SUB71,SUB72,SUB73,SUB74
31     .GLOBL  SUB75
32     .GLOBL  S100,S101,S102,S103,S104
33     .GLOBL  S105,S106,S107,S108,S109
34     .GLOBL  S110,S111,S112,S113,S114
35     .GLOBL  S115,S116,S117,S118,S119
36     .GLOBL  S120,S121,S122,S123,S124
37     .GLOBL  S125,S126,S127,S128,S129
38     .GLOBL  S130,S131,S132,S133,S134
39     .GLOBL  S135,S136,S137,S138,S139
40     .GLOBL  S140,S141,S142,S143
41     .GLOBL  MOVER,PDADR,PRTPDT,DISADR,ERRPRT,PRADR,PDINP
42     .GLOBL  RETADR,FUNKEY,VID,VSTADR,TCO,INPUT,ICHARS
43     .GLOBL  ONLINE,ADDRES,VVV,VVYX,BSPASS,CMDWD1,CMDWD2
44     .GLOBL  BUFFER,DELTA,DEVICE
45 00000 010546 TYEDIT: MOV      R5,-(SP)          ;SAVE REGISTERS
46      ;
47      ; INITIALIZE
48      ;
49 00002 012767 INITK2: MOV      #MOVK2,MOVER      ;ADR OF MOVE INPUT SUBR
50 00010 012767      MOV      #PDTP1,PDADR        ;PDT FOR OUTPUT DEVICE
51 00016 012767      MOV      #PDTP1,PRTPDT       ;PDT FOR PRINTER
52 00024 012767      MOV      #MOVP1,DISADR       ;ADR OF OUTPUT ROUTINE
53 00032 012767      MOV      #MESSP1,ERRPRT     ;ADR OF ERROR PRINT ROUTINE

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TYEDIP RT-11 CRO VM02-10 02:45:16
TABLE OF CONTENTS

1-554 TVESUB

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1      ; TITLE TYEDIP
2
3      ; BASE STATION TTY KEYBOARD EDIT ROUTINE - PRODUCTION
4
5      ;
6      ; THIS IS THE CONTROL CONSOLE EDIT PROCESSOR OVERLAY
7      ; MODULE. THIS ROUTINE EDITS THE COMMANDS FROM THE CONTROL
8      ; CONSOLE AND SETS UP THE APPROPRIATE PHYSICAL DEVICE TABLE
9      ; AND THE APPROPRIATE FLAG FOR SCHEDULING THE COMMAND REQU-
10     ; ESTED.
11
12     ; THIS ROUTINE USES A TABLE DRIVEN SUBROUTINE TO
13     ; VALIDATE AND PROCESS THE INPUT.
14
15     .MCALL ..V2...REGDEF..LOOKUP..READW..WRITW..CLOSE..SRESET
16     ..V2..
17     .REGDEF
18     .NLIST BEX
19
20     ;
21     ;
22     .GLOBL SAVREG,RSTREG,TTYBUF,SPSTFL,AMBUFF,VSTAB,VEHQUE,BASECD
23     .GLOBL VSTABL,INPUT,ASC2BN,SUB71,SUB36,PDTPI,PDTK2
24     .GLOBL MOVC1,MOVK1,MOVP1,MOVK2,TYEDIT,MESSP1,DSCOMP,SCHED
25     .GLOBL SUB06,SUB07,SUB10,SUB15,SUB20,SUB25,SUB29,SUB35,SUB38
26     .GLOBL SUB60,SUB61,SUB71
27     .GLOBL S105,S106,S112,S115,S118,S121,S125,S136
28     .GLOBL MOVER,PDTADR,PRTPDT,DISADR,ERRPRT,PRADR,PDTINP
29     .GLOBL RETADR,FUNKEY,VID,VSTADR,TCO,INPUT,ICHARS
30     .GLOBL ONLINE,ADDRES,VVV,VVX,BSPASS,CMDWD1,CMDWD2
31     .GLOBL BUFFER,DELTA,DEVICE
32
33     ;
34     ; INITIALIZE
35     ;
36     00000 000000 TYEDIT: .=.
37     00000 012767 INITK2: MOV #MOVK2,MOVER ;ADR OF MOVE INPUT SUBR
38     00006 012767 MOV #PDTPI,PDTADR ;PDT FOR OUTPUT DEVICE
39     00014 012767 MOV #PDTPI,PRTPDT ;PDT FOR PRINTER
40     00022 012767 MOV #MOVP1,DISADR ;ADR OF OUTPUT ROUTINE
41     00030 012767 MOV #MESSP1,ERRPRT ;ADR OF ERROR PRINT ROUTINE
42     00036 012767 MOV #MOVP1,PRADR ;ADR OF PRINT SUBR
43     00044 012767 MOV #PDTK2,PDTINP ;PDT FOR INPUT DEVICE
44     00052 005000 CLR R0 ;RESET JMP & RE" TABLE
45     00054 005200 KB1A: INC R0
46     00056 005200 INC R0
47     00060 005060 CLR RETADR(R0)
48     00064 020027 CMP R0,#20.
49     00070 100771 BMI KB1A
50     00072 012767 MOV #3,FUNKEY
51     00100 005067 CLR VID
52     00104 005067 CLR VSTADR
53     00110 005067 CLR TCO
54
55     ; GET REQ" INTO "INPUT"
56     00114 004577 JSR R5,@MOVER
57     00120 000000G .WORD INPUT
58     00122 000000 IC: .WORD 0

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54 00124 016767      MOV      IC, ICHARS
55 00132 001427      BEQ      FINIK2
56 00134 005767      TST      ONLINE
57 00140 001021      BNE      GOEDIT
58
59 00142 016700      MOV      PDTINP, R0
60 00146 126027      CMPB     4(R0), #16.      ;PREV MODE = 16 ?
61 00154 001410      BEQ      SETPW
62 00156 022767      CMP      #16, INPUT      ;IS IT 16 ?
63 00164 001407      BEQ      GOEDIT          ;YES
64 00166 012767      MOV      #15, INPUT      ;FORCE TO 15
65 00174 000403      BR       GOEDIT
66 00176 016767      SETPW:  MOV      "PW, INPUT
67 00204 004567      GOEDIT: JSR      R5, EDIT
68 00210 000673      BR       INIK2
69 00212 012605      FINIK2: MOV      (SP)+, R5
70 00214 000205      RTS      R5
71 00216 010546      EDIT:   MOV      R5, -(SP)
72
73      ; COMPARE INPUT AGAINST LEGAL COMMANDS
74 00220 012767      CMPCMD: MOV      #CMK2, ADDRESS
75 00226 004567      JSR      R5, MATCH
76 00232 005767      TST      ADDRESS
77 00236 001003      BNE      GOON          ;MATCH ON COMMANDS
78 00240 012767      MOV      #ERR24, ADDRESS ;INVALID REQUEST
79 00246 004567      GOON:   JSR      R5, PROCES ;EXECUTE PROCESSED IN GIVEN TABLE
80
81 00252 000205      RTS      R5
82
83      ; TABLE PROCESS LOOP ROUTINE      (ADDRESS OF TABLE IS IN ADDRESS)
84
85 00254 010546      PROCES: MOV      R5, -(SP)      ;SAVE REGISTERS
86 00256 022777      PROCA:  CMP      #-1, @ADDRESS ; -1 TERMINATES TABLE
87 00264 001412      BEQ      PROCE
88 00266 005777      TST      @ADDRESS
89 00272 001407      BEQ      PROCE
90 00274 017700      MOV      @ADDRESS, R0
91 00300 004510      JSR      R5, (R0)      ; GIVE CONTROL TO ROUTINE ADR
92 00302 062767      PROCB:  ADD      #2, ADDRESS
93 00310 000762      BR       PROCA
94 00312 012605      PROCE:  MOV      (SP)+, R5
95 00314 000205      RTS      R5
96
97      ; TEST FOR MATCH ON FIRST 2 CHARACTERS IN INPUT & TABLE PASSED
98      ; ADDRESS OF TABLE MATCH RETURNED IN R0 ; TABLE ADR RETURNED IN 'ADDRESS'
99 00316 016700      MATCH:  MOV      ADDRESS, R0
100 0322 026710      TRYNXT: CMP      INPUT, (R0)
101 0326 001410      BEQ      MATCH1
102 0330 022710      CMP      #-1, (R0)
103 0334 001411      BEQ      NOCMP          ;E-O-T
104 0336 005710      TST      (R0)
105 0340 001407      BEQ      NOCMP          ;E-O-T
106 0342 062700      ADD      #4, R0

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107 0346 000765      BR      TRYNXT
108 0350 016067 MATCH1: MOV    2(R0),ADDRES
109 0356 000402      BR      RET
110 0360 005067 NOCMP: CLR    ADDRES
111 0364 000205 RET:    RTS    R5
112      : LEGAL COMMANDS ON 'K2' WITH ASSOCIATED PROCESSING TABLE
113      :
114 0366 040532 CMK2:  .WORD   "ZA,ZA
115 0372 042525      .WORD   "UE,UE
116 0376 042125      .WORD   "UD,UD
117 0402 053520      .WORD   "PW,PW
118 0406 051114      .WORD   "LR,LR
119 0412 051115      .WORD   "MR,MR
120 0416 051123      .WORD   "SR,SR
121 0422 047532      .WORD   "ZO,ZO
122 0426 042504      .WORD   "DE,DE
123 0432 042104      .WORD   "DD,DD
124 0436 041501      .WORD   "AC,AC
125 0442 044524      .WORD   "TI,TI
126 0446 052123      .WORD   "ST,ST
127 0452 044122      .WORD   "RH,RH
128 0456 040504      .WORD   "DA,DA
129 0462 053520      .WORD   "PW,PW
130 0466 053117      .WORD   "OV,OV
131 0472 053111      .WORD   "IV,IV
132 0476 041523      .WORD   "SC,SC
133 0502 041526      .WORD   "VC,VC
134 0506 042114      .WORD   "LD,LD
135 0512 177777      .WORD   -1
136      :
137 0514 000000GUE:  .WORD   SUB20,2      ;CONVERT VVV
138 0520 004524"      .WORD   SUB21,5      ;CONVERT YY
139 0524 004632"      .WORD   SUB22,7      ;CONVERT T
140 0530 005136"      .WORD   S100        ;TEST 0 LT VID LT 64
141 0532 000000G      .WORD   SUB07,ERR3    ;TRANSFER ON LIMIT FAILURE
142 0536 005172"      .WORD   S102        ;TEST VID ACTIVE IN VEHQUE
143 0540 000000G      .WORD   SUB06,ERR4    ;TRANSFER IF ACTIVE
144 0544 000000G      .WORD   S105        ;TEST FOR ENTRY IN VSTAT
145 0546 000000G      .WORD   SUB06,ERR5    ;TRANSFER IF ENTRY
146 0552 005506"      .WORD   S111        ;TEST FOR ENTRY IN VREF
147 0554 000000G      .WORD   SUB07,ERR6    ;TRANSFER IF NO ENTRY
148 0560 005320"      .WORD   S108        ;TEST FOR UNUSED ENTRY IN VSTAT
149 0562 000000G      .WORD   SUB07,ERR27   ;TRANSFER IF FULL
150 0566 004674"      .WORD   SUB24,VVV,VVVX,3 ;CONVERT VVV TO RADIX
151 0576 005372"      .WORD   S109        ;INITIALIZE VSTAT
152 0600 003546"      .WORD   S149
153 0602 000000G      .WORD   SUB07,ERR28
154 0606 005216"      .WORD   S103        ;ACTIVATE ENTRY IN VEHQUE
155 0610 177777      .WORD   -1           ;EXIT
156      :
157 0612 000000GUD:  .WORD   SUB20,2      ;CONVERT VVV
158 0616 004524"      .WORD   SUB21,5      ;CONVERT YY
159 0622 004632"      .WORD   SUB22,7      ;CONVERT T

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160 0626 005136' .WORD S100 ;TEST 0 LT VID LT 64
161 0630 000000G .WORD SUB07.ERR3 ;TRANSFER ON LIMIT FAILURE
162 0634 005172' .WORD S102 ;TEST VID ACTIVE IN VEHQUE
163 0636 000000G .WORD SUB07.ERR34 ;TRANSFER IF NOT
164 0642 000000G .WORD S105 ;TEST FOR ENTRY IN VSTAT
165 0644 000000G .WORD SUB07.ERR10 ;TRANSFER IF NOT FOUND
166 0650 005244' .WORD S107 ;ID & # COINCIDE IN VSTAT
167 0652 000000G .WORD SUB07.ERR7 ;NO. BAD NEWS
168 0656 000000G .WORD S121 ;TEST FOR TRUCK CO IN VSTAT
169 0660 000000G .WORD SUB07.ERR8 ;TRANSFER ON NO MATCH
170 0664 005232' .WORD S104 ;DELETE VEHQUE ENTRY
171 0666 005500' .WORD S110 ;DELETE VSTAT ENTRY
172 0670 177777 .WORD -1
173 0672 000672'ZA: .=. ;ZERO AMPHASE
174 0672 000000G .WORD SUB20.2 ;CONVERT VVV
175 0676 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
176 0700 000000G .WORD SUB07.ERR10 ;INVALID
177 0704 000000G .WORD SUB25 ;GET VID
178 0706 000000G .WORD S125 ;GET TCO
179 0710 000000G .WORD SUB15.CMDWD2.1 ;SET CMDWD2 = 1
180 0716 004462' .WORD SUB19.5."2 ;ZAVVV1 OR 2
181 0724 000000G .WORD SUB07.ZA1 ;NOT = 2
182 0730 000000G .WORD SUB10.ZA2 ;JUMP & RETURN TO ZA2
183 0734 000000GZA1: .WORD S118.1 ;SETUP ZERO AMPHASE COMMAND
184 0740 000000G .WORD SUB38.PDTP1.0.0 ;SETUP PRINTER PDT
185 0750 000000G .WORD SUB29.4000 ;SET BSFLAG
186 0754 177777 .WORD -1
187 ;
188 0756 000756'ZA2: .=. ;ZERO AMPHASE VEH & PROC
189 0756 000000G .WORD SUB60 ;GET VOLATL BCK
190 0760 000000G .WORD SUB07.ERR26 ;SPACE NOT AVAIL
191 0764 000000G .WORD S115 ;READ VREF REC
192 0766 000000G .WORD SUB07.ERR20 ;READ ERROR
193 0772 004316' .WORD SUB16.BUFFER.10..0 ;ZERO AMPHASE WDS
194 1002 004316' .WORD SUB16.BUFFER.12..0 ;
195 1012 004316' .WORD SUB16.BUFFER.36..0 ;
196 1022 004316' .WORD SUB16.BUFFER.38..0 ;
197 1032 000000G .WORD SUB15.CMDWD2.2 ;SET CMDWD2 = 2
198 1040 000000G .WORD SUB35 ;WRITE VREF BACK
199 1042 000000G .WORD SUB61 ;RELEASE BOLATL BLOCK
200 1044 000000G .WORD SUB07.ERR29 ;BAD WRITE
201 1050 004164' .WORD SUB13 ;RETURN TO ZA1
202 1052 177777 .WORD -1
203 ;
204 1054 001054'LR: .=. ;LOCATION REQUEST
205 1054 000000G .WORD SUB20.2 ;CONVERT VVV
206 1060 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
207 1062 000000G .WORD SUB07.ERR10 ;INVALID
208 1066 000000G .WORD SUB25 ;GET VID
209 1070 000000G .WORD S118.4 ;SETUP LOCATION REQUEST CMD
210 1074 005630' .WORD S142.4.6 ;STORE IN LOCBUF
211 1102 004354' .WORD SUB17.1 ;SET BSREQST
212 1106 177777 .WORD -1

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213 ;
214 1110 00:110' MR:      .=.      ;MILEAGE REQUEST
215 1110 000000G      .WORD      SUB20.2      ;CONVERT VVV
216 1114 000000G      .WORD      S105      ;TEST FOR VVV IN VSTAT
217 1116 000000G      .WORD      SUB07.ERR10      ;INVALID
218 1122 000000G      .WORD      SUB25      ;GET VID
219 1124 000000G      .WORD      S118.11      ;SETUP MILEAGE REQUEST
220 1130 005630'      .WORD      S142.10.12      ;STORE IN MILBUF
221 1136 004354'      .WORD      SUB17.2      ;SET BSRQST
222 1142 177777      .WORD      -1
223 ;
224 1144 00:144' SR:      .=.      ;SENSOR REQUEST
225 1144 000000G      .WORD      SUB20.2      ;CONVERT VVV
226 1150 000000G      .WORD      S105      ;TEST FOR VVV IN VSTAT
227 1152 000000G      .WORD      SUB07.ERR10      ;INVALID
228 1156 000000G      .WORD      SUB25      ;GET VID
229 1160 000000G      .WORD      S118.3      ;SETUP SENSOR REQUEST COMMAND
230 1164 005630'      .WORD      S142.0.2      ;STORE IN SSPBUF
231 1172 004354'      .WORD      SUB17.3      ;SET BSRQST
232 1176 177777      .WORD      -1
233 ;
234 1200 00:200' ZO:      .=.      ;ZERO ODOMETER
235 1200 000000G      .WORD      SUB20.2      ;CONVERT VVV
236 1204 000000G      .WORD      S105      ;TEST FOR VVV IN VSTAT
237 1206 000000G      .WORD      SUB07.ERR10      ;INVALID
238 1212 000000G      .WORD      SUB25      ;GET VID
239 1214 000000G      .WORD      S125      ;GET TCO
240 1216 005726'      .WORD      S143      ;SET ZERO ODOMETER BIT
241 1220 000000G      .WORD      S118.2      ;SETUP ZERO ODOMETER COMMAND
242 1224 000000G      .WORD      SUB15.CMDWD2.6      ;SET CMDWD2 = 6
243 1232 000000G      .WORD      SUB38.PDTP1.0.0      ;SETUP PRINTER PDT
244 1242 000000G      .WORD      SUB29.4000      ;SET BSFLAG
245 1246 177777      .WORD      -1
246 ;
247 1250 00:250' DE:      .=.      ;DEVICE ENABLE
248 1250 004400'      .WORD      SUB18.2      ;TEST FOR VALID DEVICE
249 1254 000000G      .WORD      SUB07.ERR24      ;INVALID
250 1260 004244'      .WORD      SUB14.INPUT.2.DEVICE.0.2      ;MOVE TO DEVICE
251 1274 004756'      .WORD      SUB47      ;ENABLE DEVICE
252 1276 004244'      .WORD      SUB14.INPUT.2.CMDWD2.0.2      ;MOVE TO CMDWD2
253 1312 000000G      .WORD      SUB15.CMDWD2.7      ;SET CMDWD2 = 7
254 1320 000000G      .WORD      SUB38.PDTP1.0.0      ;SETUP PRINTER PDT
255 1330 000000G      .WORD      SUB29.4000      ;SET BSFLAG
256 1334 177777      .WORD      -1
257 ;
258 1336 00:336' DD:      .=.      ;DEVICE DISABLE
259 1336 004400'      .WORD      SUB18.2      ;TEST FOR VALID DEVICE
260 1342 000000G      .WORD      SUB07.ERR24      ;INVALID
261 1346 004244'      .WORD      SUB14.INPUT.2.DEVICE.0.2      ;MOVE TO DEVICE
262 1362 005024'      .WORD      SUB48      ;DISABLE DEVICE
263 1364 004244'      .WORD      SUB14.INPUT.2.CMDWD2.0.2      ;MOVE TO CMDWD2
264 1400 000000G      .WORD      SUB15.CMDWD2.8      ;SET CMDWD2 = 8
265 1406 000000G      .WORD      SUB38.PDTP1.0.0      ;SETUP PRINTER PDT

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```

266 1416 000000G .WORD SUB29.4000 ;SET BSFLAG
267 1422 177777 .WORD -1
268 ;
269 1424 00:424'AC: .=. ;MANUAL ACKNOWLEDGE
270 1424 000000G .WORD SUB20.2 ;CONVERT VVV
271 1430 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
272 1432 000000G .WORD SUB07.ERR10 ;INVALID
273 1436 000000G .WORD S136.400.2 ;CLR ACK PENDING
274 1444 000000G .WORD S136.74000.10. ;CLR PENDING FLAGS IN FLAGS
275 1452 000000G .WORD SUB25 ;GET VID
276 1454 000000G .WORD S118.12 ; OUTPUT COMMAND TO VEHICLE
277 1460 000000G .WORD S125 ;GET TCO
278 1462 000000G .WORD SUB15.CMDWD2.9. ;SET CMDWD2 = 9
279 1470 000000G .WORD SUB38.PDTP1.0.0 ;SETUP PRINTER PDT
280 1500 000000G .WORD SUB29.4000 ;SET BSFLAG
281 1504 177777 .WORD -1
282 ;
283 1506 00:506'TI: .=. ;TIME ENTRY
284 1506 005072' .WORD SUB49.INPUT ;TEST TIME
285 1512 000000G .WORD SUB07.ERR52 ;INVALID
286 1516 000000G .WORD SUB15.CMDWD2.11. ;SET CMDWD2 = 11
287 1524 000000G .WORD SUB38.PDTP1.0.0 ;SETUP PRINTER PDT
288 1534 000000G .WORD SUB29.4000 ;SET BSFLAG
289 1540 177777 .WORD -1
290 ;
291 1542 00:542'ST: .=. ;START OF SHIFT
292 1542 004632' .WORD SUB22.2 ;CONVERT TRUCKING CO
293 1546 003734' .WORD SUB01.0.TCO.1 ;TEST 0 .LE. TCO .LE. 1
294 1556 000000G .WORD SUB07.ERR8 ;INVALID
295 1562 000000G .WORD SUB15.CMDWD2.12. ;SET CMDWD2 = 12
296 1570 000000G .WORD SUB38.PDTP1.0.0 ;SETUP PRINTER PDT
297 1600 000000G .WORD SUB29.4000 ;SET BSFLAG
298 1604 177777 .WORD -1
299 ;
300 1606 00:606'DA: .=. ;DATE ENTRY
301 1606 004000' .WORD SUB02.INPUT ;TEST DATE
302 1612 000000G .WORD SUB07.ERR53 ;BAD
303 1616 000000G .WORD SUB15.CMDWD2.14. ;SET CMDWD2 = 14
304 1624 000000G .WORD SUB38.PDTP1.0.0 ;SETUP PRINTER PDT
305 1634 000000G .WORD SUB29.4000 ;SET BSFLAG
306 1640 177777 .WORD -1
307 ;
308 1642 005564'PW: .WORD S140.BSPASS ;TEST PASS WORDS
309 1646 000000G .WORD SUB07.MINUS1 ;TERMINATE IF INVALID
310 1652 000000G .WORD SUB38.PDTK2.-1.0 ;ENABLE K2
311 1662 000000G .WORD SUB38.PDTP1.-1.0 ;ENABLE P1
312 1672 000000G .WORD SUB15.ONLINE.1 ;SET BASE STATION ONLINE
313 1700 177777 .WORD -1
314 1702 00:702'RH: .=. ;VEHICLE RECENT HISTORY PRINTOUT
315 1702 000000G .WORD SUB20.2 ;CONVERT VVV
316 1706 000000G .WORD S105 ;TEST FOR VVV IN VSTAT
317 1710 000000G .WORD SUB07.ERR10 ;INVALID
318 1714 004632' .WORD SUB22.6 ;CONVERT T

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319 1720 000000G .WORD S121 ;TEST FOR TCO IN VSTAT
320 1722 000000G .WORD SUB07,ERR8 ;BAD TRUCK
321 1726 004044' .WORD SUB03,INPUT,5,1,DELTA ;CONVERT D
322 1740 003734' .WORD SUB01,0,DELTA,2 ;TEST DELTA
323 1750 000000G .WORD SUB07,ERR58 ;BAD
324 1754 000000G .WORD SUB15,FUNKEY,2 ;SET FUNKEY FOR RH
325 1752 000000G .WORD SUB25 ;GET VID
326 1754 004244' .WORD SUB14,INPUT,2,CMDWD1,0,2 ;MOVE VVV TO CMD 1 & 2
327 2000 004244' .WORD SUB14,INPUT,4,CMDWD2,0,1
328 2014 004244' .WORD SUB14,DELTA,0,CMDWD2,1,1 ;MOVE D TO CMDWD2
329 2030 000000G .WORD SUB38,PDTP1,0,0 ;SETUP PRINTER PDT
330 2040 000000G .WORD SUB29,4000,-1 ;SET BSFLAG
331 2046 002414'OV: .WORD S145,-1 ; OFFLOAD VSTAT
332 2052 002626' IV: .WORD S146,-1 ; GET VSTAT
333 2056 003040' SC: .WORD S147,-1 ; CHANGE SIGNPOST NO.
334 2062 000000GVC: .WORD SUB20,2 ; VVV TO VNO(BINARY
335 2066 004524' .WORD SUB21,5 ; YY TO VID
336 2072 005136' .WORD S100 ; VID VALID
337 2074 000000G .WORD SUB07,ERR9 ; SET UP TCO
338 2100 000000G .WORD SUB36 ; SET UP VSTADR
339 2102 000000G .WORD SUB07,ERR12 ; NO. ERROR
340 2106 000000G .WORD SUB160 ; GET BUFR
341 2110 000000G .WORD SUB07,ERR13 ; NO. ERROR
342 2114 000000G .WORD S115 ; GET VREF
343 2116 000000G .WORD SUB07,ERR14 ; NO. ERROR
344 2122 005232' .WORD S104 ; DELETE VID FROM VEHQUE
345 2124 004524' .WORD SUB21,7 ; XX TO VID
346 2130 005136' .WORD S100 ; VID VALID
347 2132 000000G .WORD SUB07,ERR11 ; NO. ERROR
348 2136 002376' .WORD S144 ; STORE IN VREF
349 2140 005372' .WORD S109
350 2142 005216' .WORD S103 ; UPDATE VEHQUE
351 2144 000000G .WORD SUB35 ; WRITE VREF BLK
352 2146 000000G .WORD SUB61 ; RELEASE BUFFER
353 2150 000000G .WORD SUB07,ERR15 ; NO. ERROR
354 2154 177777 .WORD -1 ; RETURN
355 2156 003530'LD: .WORD S148,-1
356 :
357 2162 000000GERR9: .WORD SUB71,9,-1
358 2170 000000GERR11: .WORD SUB71,11,-1
359 2176 000000GERR12: .WORD SUB71,12,-1
360 2204 000000GERR13: .WORD SUB71,13,-1
361 2212 000000GERR14: .WORD SUB71,14,-1
362 2220 000000GERR3: .WORD SUB71,03,-1
363 2226 000000GERR4: .WORD SUB71,04,-1
364 2234 000000GERR5: .WORD SUB71,05,-1
365 2242 000000GERR6: .WORD SUB71,06,-1
366 2250 000000GERR7: .WORD SUB71,07,-1
367 2256 000000GERR27: .WORD SUB71,27,-1
368 2264 000000GERR28: .WORD SUB71,28,-1
369 2272 000000GERR34: .WORD SUB71,34,-1
370 2300 000000GERR8: .WORD SUB71,8,-1
371 2306 000000GERR10: .WORD SUB71,10,-1

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372 2314 000000GERR20: .WORD SUB71.20.-1
373 2322 000000GERR24: .WORD SUB71.24.-1
374 2330 000000GERR26: .WORD SUB71.26.-1
375 2336 000000GERR29: .WORD SUB71.29.-1
376 2344 000000GERR52: .WORD SUB71.52.-1
377 2352 000000GERR53: .WORD SUB71.53.-1
378 2360 000000GERR58: .WORD SUB71.58.-1
379 2366 000000GERR15: .WORD SUB71.15.-1
380 2374 177777 MINUS1: .WORD -1
381
382 2376 116777 S144: MOVB VID,@BUFFER
383 2404 116777 MOVB VID,@VSTADR
384 2412 000205 RTS R5
385 ;*****
386 ;
387 ; SUBROUTINE S145 WRITE OUT VSTAT DATA
388 ;
389 ;*****
390 2414 010546 S145: MOV R5,-(SP) ; SAVE RETURN ADDRESS
391 2416 004567 JSR R5,SAVREG ; SAVE OTHER REGISTERS
392 2422 .LOOKUP #S145D,#7,@VSTABL
393 2454 103437 BCS S145B ; ERROR ON LOOKUP - #3
394 2456 .WRITE #S145E,#7,@VEHQUE,@:117.,S145F
395 2526 103417 BCS S145C ; ERROR ON READ - #4
396 2530 S145G: .CLOSE #7
397 2542 .SRESET
398 2544 004567 S145A: JSR R5,RSTREG ; RESTORE REGISTERS
399 2550 012605 MOV (SP)+,R5 ; GET RETURN ADDRESS
400 2552 000205 RTS R5 ; RETURN
401 ;
402 2554 004567 S145B: JSR R5,BASECD ; WRITE OUT ERROR MSG 3
403 2560 000 .BYTE 0,0,24.,3
404 2564 000767 BR S145A
405 ;
406 2566 004567 S145C: JSR R5,BASECD ; WRITE OUT ERROR MSG 4
407 2572 000 .BYTE 0,0,24.,4
408 2576 000754 BR S145G
409 ;
410 2600 S145D: .BLKW 5
411 2612 S145E: .BLKW 5
412 2624 000000 S145F: .WORD 0
413 ;*****
414 ;
415 ; SUBROUTINE S146 READ IN VSTAT DATA
416 ;
417 ;*****
418 2626 010546 S146: MOV R5,-(SP) ; SAVE RETURN ADDRESS
419 2630 004567 JSR R5,SAVREG ; SAVE OTHER REGISTERS
420 2634 .LOOKUP #S146D,#7,@VSTABL
421 2666 103437 BCS S146B ; ERROR ON LOOKUP - #5
422 2670 .READW #S146E,#7,@VEHQUE,@:117.,S146F
423 2740 103417 BCS S146C ; ERROR ON WRITE - #6
424 2742 S146G: .CLOSE #7

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425 2754 .SRESET
426 2756 004567 S146A: JSR R5,RSTREG ; RESTORE REGISTERS
427 2762 012605 MOV (SP)+,R5 ; GET RETURN ADDRESS
428 2764 000205 RTS R5
429 ;
430 2766 004567 S146B: JSR R5,BASECD ; WRITE OUT ERROR MSG 5
431 2772 000 .BYTE 0,0,24,,5
432 2776 000767 BR S146A
433 ;
434 3000 004567 S146C: JSR R5,BASECD ; WRITE OUT ERROR MSG 6
435 3004 000 .BYTE 0,0,24,,6
436 3010 000754 BR S146G
437 ;
438 3012 S146D: .BLKW 5
439 3024 S146E: .BLKW 5
440 3036 000000 S146F: .WORD 0
441 ;*****
442 ;
443 ; SUBROUTINE S147 MODIFY ENTRY IN SPSTFL(SIGNPOST FILE)
444 ;
445 ;*****
446 3040 010546 S147: MOV R5,-(SP) ; SAVE RETURN ADDRESS
447 3042 004567 JSR R5,SAVREG ; SAVE OTHER REGISTERS
448 3046 112767 MOVB #7,S147L+3 ; INITIALIZE ERROR POINTER
449 3054 122767 CMPB #15,INPUT+14. ; IS INPUT BEYOND LIMIT
450 3062 001166 BNE S147B ; NOT ZERO, ERROR #7
451 3064 105267 INCB S147L+3 ; UPDATE ERROR POINTER
452 3070 .LOOKUP #S147A,#7,#SPSTFL
453 3122 103546 BCS S147B ; ERROR ON LOOKUP - #8
454 3124 105267 INCB S147L+3 ; UPDATE ERROR POINTER
455 3130 .READW #S147C,#7,#AMBUFF,0,024,,S147D
456 3200 103517 BCS S147B ; ERROR ON READ - #9
457 3202 005067 CLR S147D ; CLEAR BLOCK NO.
458 3206 105267 INCB S147L+3 ; UPDATE ERROR POINTER
459 3212 012702 MOV #S147S1+4,R2 ; STORE BUFR END ADDR
460 3216 012701 MOV #INPUT+2,R1 ; STORE DATA ADDR
461 3222 012700 MOV #S147S1,R0 ; STORE BUFR START ADDR
462 3226 012704 S147E: MOV #TTYBUF,R4 ; GET CONVERSION BUFR ADDR
463 3232 112124 MOVB (R1)+,(R4)+
464 3234 112124 MOVB (R1)+,(R4)+
465 3236 112124 MOVB (R1)+,(R4)+
466 3240 112714 MOVB #15,(R4)
467 3244 005004 CLR R4
468 3246 004567 JSR R5,ASC2BN ; CONVERT TO BINARY
469 3252 000401 BR S147N
470 3254 000471 BR S147B
471 3256 110320 S147N: MOVB R3,(R0)+ ; STORE DATA
472 3260 020002 CMP R0,R2 ; AT END?
473 3262 001361 BNE S147E ; NO DO AGAIN
474 3264 012702 MOV #84,,R2 ; RESET COUNTER
475 3270 005001 CLR R1 ; RESET POINTER
476 3272 026167 S147G: CMP AMBUFF(R1),S147S1
477 3300 001414 BEQ S147F

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478 3302 062701      ADD      #6,R1
479 3306 005302      DEC      R2
480 3310 100370      SPL      S147G
481 3312 062701      ADD      #2,R1
482 3316 012702      MOV      #84.,R2
483 3322 022701      CMP      #2048.,R1
484 3326 100361      BPL      S147G
485 3330 000443      BR       S147B
486 3332 016761 S147F: MOV      S147S1+2,AMBUFF(R1)
487 3340              .WRITW   #S147I, #7, #AMBUFF, #1024., S147J
488 3410              S147K: .CLOSE #7
489 3422              .SRESET
490 3424 005067      CLR      S147J
491 3430 004567 S147M: JSR      R5,RSTREG          ; RESTORE REGISTERS
492 3434 012605      MOV      (SP)+,R5          ; GET RETURN ADDR
493 3436 000205      RTS      R5              ; RETURN
494
495 3440 004567 S147B: JSR      R5,BASECD
496 3444 000000 S147L: .WORD   0,24.
497 3450 122767      CMPB     #9.,S147L+3
498 3456 100764      BMI      S147M
499 3460 000753      BR       S147K
500
501 3462              S147A: .BLKW   5
502 3474              S147C: .BLKW   5
503 3506 000000 S147D: .WORD   0
504 3510 000000 S147S1: .WORD   0,0
505 3514              S147I: .BLKW   5
506 3526 000000 S147J: .WORD   0
507
508              ;
509              ; SUB PROCESS 148 LOG DATA
510
510 3530 012767 S148: MOV      #1,DSCOMP          ; DISABLE FURTHER DISPATCH ST ION PROCESSING
511 3536 042767      BIC      #3,SCHED          ; DISABLE VEHICLE POLLING
512 3544 000205      RTS      R5              ; RETURN
513
514              ; *****
515              ; SUB-PROCESS 149- TEST FOR MODE AND YARD ENTRY CONDITION
516
517              ; *****
518 3546 016701 S149: MOV      VSTADR,R1
519 3552 005067      CLR      RESULT
520 3556 116702      MOVB     INPUT+8.,R2
521 3562 042702      BIC      #177770,R2
522 3566 005702      TST      R2
523 3570 001424      BEQ      S149C
524 3572 022702      CMP      #1,R2
525 3576 001416      BEQ      S149B
526 3600 022702      CMP      #2,R2
527 3604 001407      BEQ      S149A
528 3606 022702      CMP      #3,R2
529 3612 001024      BNE      S149F
530 3614 052761      BIS      #11,2(R1)

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531 3622 000407      BR      S149C
532 3624 052761 S149A: BIS      #12,2(R1)
533 3632 000403      BR      S149C
534 3634 052761 S149B: BIS      #32,2(R1)
535 3642 116702 S149C: MOVB     INPUT+9.,R2
536 3646 042702      BIC      #177770,R2
537 3652 005702      TST      R2
538 3654 00:414      BEQ      S149D      ; ALL ZEROES, YD EXIT NEXT
539 3656 022702      CMP      #1,R2
540 3662 00:412      BEQ      S149E      ; ALL ONES, YD ENTRY NEXT
541 3664 005267 S149F: INC      RESULT
542 3670 005000      CLR      R0
543 3672 005021 S149G: CLR      (R1)+
544 3674 005200      INC      R0
545 3676 005200      INC      R0
546 3700 020067      CMP      R0,LNGVST
547 3704 100772      BMI      S149G
548 3706 000205 S149D: RTS
549 3710 052761 S149E: BIS      #2,12(R1)
550 3716 052761      BIS      #40000,4(R1)
551 3724 052761      BIS      #4000,26(R1)
552 3732 000765      BR      S149D
553      ;
554      .SBTTL  TYESUB
555      ;
556      ; SUBROUTINES & SUB-PROCESSES
557      ;
558      .GLOBL  VSTAT,VEHQUE,BSRQST,TIMTST,DATEST
559      .GLOBL  LNGVST,MAXTRK,RXTAB,RTAB,TYETAB
560      .GLOBL  RETADR,VID,VSTADR,TCO,INPUT,TTYBUF,VEHQUE,CMDBUF
561      .GLOBL  DEVICE,DEVTAB,RESULT,ADDRES,YY,T,BLK,VVV,VVVX
562      ;      .GLOBL  SUB01,SUB02,SUB03,SUB13,SUB14
563      ;      .GLOBL  SUB16,SUB17,SUB18,SUB19,SUB21,SUB22
564      ;      .GLOBL  SUB24,SUB47,SUB48,SUB49
565      ;      .GLOBL  S100,S102,S103,S104,S106,S107,S108
566      ;      .GLOBL  S109,S110,S111,S140,S142,S143
567      .GLOBL  IRAD50,ASC2BN,FNDVRF
568      ;
569      ;*****
570      ; SUB-PROCESS 0:  LIMIT TEST (LL .LE. N .LE. UL)
571      ;*****
572      ;
573 3734 005067 SUB01: CLR      RESULT
574 3740 016700      MOV      ADDRES,R0
575 3744 016001      MOV      4(R0),R1
576 3750 02:160      CMP      (R1),2(R0)
577 3754 100403      BMI      SUB01A
578 3756 026011      CMP      6(R0),(R1)
579 3762 100002      BPL      SUB01E
580 3764 005267 SUB01A: INC      RESULT
581 3770 062767 SUB01E: ADD      #6,ADDRES
582 3776 000205      RTS      R5
583      ;

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584      ;*****
585      ; SUB-PROCESS 02    TEST DATE
586      ;*****
587      ;
588 4000 005067 SUB02: CLR      RESULT
589 4004 062767      ADD      #2,ADDRES
590 4012 017767      MOV      @ADDRES,SUB02A
591 4020 010546      MOV      R5,-(SP)
592 4022 004567      JSR      R5,DATEST
593 4026 000000 SUB02A: .WORD   0
594 4030 004034      .WORD   SUB02B
595 4032 000402      BR       SUB02E
596 4034 005267 SUB02B: INC      RESULT
597 4040 012605 SUB02E: MOV      (SP)+,R5
598 4042 000205      RTS       R5

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```

599      ;
600      ;
601      ;*****
602      ; SUB-PROCESS 03    ASCII TO BINARY
603      ;*****
604      ;

```

```

605 4044 010546 SUB03: MOV      R5,-(SP)
606 4046 005067      CLR      RESULT
607 4052 016700      MOV      ADDRES,R0
608 4056 062767      ADD      #8,,ADDRES
609 4064 016001      MOV      2(R0),R1
610 4070 066001      ADD      4(R0),R1
611 4074 016002      MOV      6(R0),R2
612 4100 016067      MOV      8.(R0),SUB03F
613 4106 112762      MOVB     #15,TTYBUF(R2)
614 4114 005003      CLR      R3
615 4116 112163 SUB03A: MOVB     (R1)+,TTYBUF(R3)
616 4122 005203      INC      R3
617 4124 005302      DEC      R2
618 4126 001401      BEQ      SUB03B
619 4130 100372      BPL      SUB03A
620 4132 005004 SUB03B: CLR      R4
621 4134 004567      JSR      R5,ASC2BN
622 4140 000401      BR       SUB03C
623 4142 000403      BR       SUB03D
624 4144 010377 SUB03C: MOV      R3,@SUB03F
625 4150 000402      BR       SUB03E
626 4152 005267 SUB03D: INC      RESULT
627 4156 012605 SUB03E: MOV      (SP)+,R5
628 4160 000205      RTS       R5
629 4162 000000 SUB03F: .WORD   0

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;PUT 'CR' AS TERMINATOR

;NORMAL

```

630      ;*****
631      ; SUB-PROCESS 13    UNCONDITIONAL RETURN TO PREVIOUS TABLE
632      ;*****
633      ;
634 4164 005000 SUB13: CLR      R0
635 4166 005760 SUB13A: TST      RETADR(R0)
636 4172 001403      BEQ      SUB13B

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637 4174 005200      INC      R0
638 4176 005200      INC      R0
639 4200 000772      BR       SUB13A
640 4202 005300 SUB13B: DEC      R0      ;BACKUP TO LAST NON-ZERO
641 4204 005300      DEC      R0      ;ENTRY
642 4206 005760      TST      RETADR(R0)
643 4212 001413      BEQ      SUB13E
644 4214 022760      CMP      #-1,RETADR(R0)
645 4222 001407      BEQ      SUB13E
646 4224 016067      MOV      RETADR(R0),ADDRES      ;SET ADDRES TO PREVIOUS TABLE
647      ;                      ADDRESS
648 4232 005700      TST      R0
649 4234 001402      BEQ      SUB13E
650 4236 005060      CLR      RETADR(R0)      ;BACK-OUT ENTRY FROM RETADR TABLE
651 4242 000205 SUB13E: RTS      R5
652      ;
653      ;*****
654      ; SUB-PROCESS 14      MOVE SOURCE TO DESTINATION
655      ;*****
656      ;
657 4244 016700 SUB14:  MOV      ADDRES,R0
658 4250 016001      MOV      2(R0),R1
659 4254 066001      ADD      4(R0),R1
660 4260 016002      MOV      6(R0),R2
661 4264 066002      ADD      8.(R0),R2
662 4270 016003      MOV      10.(R0),R3
663 4274 005303 SUB14A: DEC      R3
664 4276 112122      MOVB     (R1)+,(R2)+
665 4300 005703      TST      R3
666 4302 001401      BEQ      SUB14E
667 4304 100373      BPL      SUB14A
668 4306 062767 SUB14E: ADD      #10.,ADDRES
669 4314 000205      RTS      R5
670      ;
671      ;*****
672      ; SUB-PROCESS 16      SET ADR OF ADR TO VALUE
673      ;*****
674      ;
675 4316 016700 SUB16:  MOV      ADDRES,R0
676 4322 016001      MOV      2(R0),R1
677 4326 011102      MOV      (R1),R2
678 4330 066002      ADD      4(R0),R2
679 4334 042702      BIC      #1,R2
680 4340 062767      ADD      #6,ADDRES
681 4346 016012      MOV      6(R0),(R2)
682 4352 000205      RTS      R5
683      ;
684      ;*****
685      ; SUB-PROCESS 17      SETUP BSRQST
686      ;*****
687      ;
688 4354 062767 SUB17:  ADD      #2,ADDRES
689 4362 016767      MOV      VID,BSRQST
  
```

```

690 4370 117767      MOV      @ADDRESS,BSRQST+1
691 4376 000205      RTS      R5
692
693      ;*****
694      ; SUB-PROCESS 18      TEST FOR VALID DEVICE
695      ;*****
696      ;
697 4400 062767 SUB18:  ADD      #2,ADDRESS
698 4406 017700      MOV      @ADDRESS,R0
699 4412 062700      ADD      #INPUT,R0
700 4416 005067      CLR      RESULT
701 4422 012701      MOV      #DEV TAB,R1
702 4426 005711 SUB18A: TST      (R1)
703 4430 001411      BEQ      SUB18C
704 4432 121011      CMPB     (R0),(R1)
705 4434 001004      BNE      SUB18B
706 4436 126061      CMPB     1(R0),1(R1)
707 4444 001405      BEQ      SUB18E
708 4446 062701 SUB18B: ADD      #4,R1
709 4452 000765      BR       SUB18A
710 4454 005267 SUB18C: INC      RESULT
711 4460 000205 SUB18E: RTS      R5
712
713      ;*****
714      ; SUB-PROCESS 19      TEST CHAR IN "INPUT" = VALUE
715      ;*****
716      ;
717 4462 062767 SUB19:  ADD      #2,ADDRESS
718 4470 017700      MOV      @ADDRESS,R0
719 4474 062767      ADD      #2,ADDRESS
720 4502 005067      CLR      RESULT
721 4506 126077      CMPB     INPUT(R0),@ADDRESS
722 4514 001402      BEQ      SUB19E
723 4516 005267      INC      RESULT
724 4522 000205 SUB19E: RTS      R5
725
726      ;*****
727      ; SUB-PROCESS 2:      MOVE & CONVERT VEHICLE ID (ASCII-BINARY)
728      ;*****
729      ;
730 4524 062767 SUB21:  ADD      #2,ADDRESS
731 4532 017701      MOV      @ADDRESS,R1
732 4536 116167      MOVB     INPUT(R1),TTYBUF
733 4544 116167      MOVB     INPUT+1(R1),TTYBUF+1
734 4552 112767      MOVB     #15,TTYBUF+2
735 4560 016767      MOV      TTYBUF,YY
736 4566 010546      MOV      R5,-(SP)
737 4570 005004      CLR      R4
738 4572 005067      CLR      RESULT
739 4576 004567      JSR      R5,ASC2BN
740 4602 000401      BR       SUB21A
741 4604 000403      BR       SUB21B
742 4606 010367 SUB21A: MOV      R3,VID

```

;OFFSET IN "INPUT"
 ;TRANSFER TO TTYBUF

;INSERT "CR"
 ;SAVE IN "YY"

;NORMAL RETURN
 ;ERROR RETURN
 ;SAVE BINARY VEH ID IN VID

```

743 4612 000405      BR      SUB21E
744 4614 012767 SUB21B: MOV    #-1,VID
745 4622 005267      INC    RESULT
746 4626 012605 SUB21E: MOV    (SP)+,R5
747 4630 000205      RTS     R5
748
749      ;*****
750      ; SUB-PROCESS 22      MOVE & CONVERT TRUCKING CO (ASCII-BINARY)
751      ;*****
752      ;
753 4632 062767 SUB22:  ADD     #2,ADDRES
754 4640 017701      MOV     @ADDRES,R1      ;OFFSET IN 'INPUT'
755 4644 116167      MOVVB   INPUT(R1),T    ;SAVE ASCII TRUCKING CO IN T
756 4652 005067      CLR     TCO
757 4656 116767      MOVVB   T,TCO
758 4664 162767      SUB     #61,TCO      ;CONVERT TO BINARY IN TCO
759 4672 000205      RTS     R5
760
761      ;
762      ;*****
763      ; SUB-PROCESS 24      ASCII TO RADIX
764      ;*****
765      ;
766 4674 005067 SUB24:  CLR     RESULT
767 4700 010546      MOV     R5,-(SP)
768 4702 016700      MOV     ADDRES,R0
769 4706 062767      ADD     #6,ADDRES
770 4714 010067      MOV     R0,RXTAB+2      ; # CHARS
771 4720 062767      ADD     #6,RXTAB+2
772 4726 016067      MOV     2(R0),RXTAB+4    ; SOURCE
773 4734 016067      MOV     4(R0),RXTAB+6    ; DESTIN
774 4742 012705      MOV     #RXTAB,R5
775 4746 004767      JSR     PC,IRAD50
776 4752 012605      MOV     (SP)+,R5
777 4754 000205      RTS     R5
778
779      ;*****
780      ; SUB-PROCESS 47      ENABLE DEVICE
781      ;*****
782      ;
783 4756 012700 SUB47:  MOV     #DEVTAB,R0
784 4762 005710 SUB47A: TST     (R0)
785 4764 001416      BEQ     SUB47E
786 4766 026710      CMP     DEVICE,(R0)
787 4772 001403      BEQ     SUB47B
788 4774 062700      ADD     #6,R0
789 5000 000770      BR      SUB47A
790 5002 016001 SUB47B: MOV     2(R0),R1
791 5006 042711      BIC     #1,(R1)
792 5012 016001      MOV     4(R0),R1
793 5016 005061      CLR     2(R1)      ; CLEAR DATA BUFFER PTS
794 5022 000205 SUB47E: RTS     R5
795      ;

```

```

796      ;*****
797      ; SUB-PROCESS 48   DISABLE DEVICE
798      ;*****
799      ;
800 5024 012700 SUB48:  MOV     #DEV TAB,R0
801 5030 005710 SUB48A: TST     (R0)
802 5032 001416         BEQ     SUB48E
803 5034 026710         CMP     DEVICE,(R0)
804 5040 001403         BEQ     SUB48B
805 5042 062700         ADD     #6,R0
806 5046 000770         BR      SUB48A
807 5050 016001 SUB48B: MOV     2(R0),R1
808 5054 052711         BIS     #1,(R1)
809 5060 016001         MOV     4(R0),R1
810 5064 005061         CLR     2(R1)
811 5070 000205 SUB48E: RTS     R5      ; CLEAR DATA BUFFER PTS

```

```

812      ;
813      ;*****
814      ; SUB-PROCESS 49   TEST TIME
815      ;*****
816      ;
817 5072 005067 SUB49:  CLR     RESULT
818 5076 062767         ADD     #2,ADDRES
819 5104 017767         MOV     @ADDRES,SUB49A
820 5112 010546         MOV     R5,-(SP)
821 5114 004567         JSR     R5,TIMTST
822 5120 000000 SUB49A: .WORD    0
823 5122 005126         .WORD    SUB49B
824 5124 000402         BR      SUB49E
825 5126 005267 SUB49B: INC     RESULT
826 5132 012605 SUB49E: MOV     (SP)+,R5
827 5134 000205         RTS     R5

```

```

828      ;
829      ;*****
830      ; SUB-PROCESS 100  TEST 0 .LT. VID .LT. 64
831      ;*****
832      ;
833 5136 005067 S100:   CLR     RESULT
834 5142 026727         CMP     VID,#64.
835 5150 100005         BPL     S100A
836 5152 005767         TST     VID
837 5156 100402         BMI     S100A
838 5160 001401         BEQ     S100A
839 5162 000402         BR      S100E
840 5164 005267 S100A:  INC     RESULT
841 5170 000205 S100E:  RTS     R5

```

```

842      ;
843      ;*****
844      ; SUB-PROCESS 102  TEST VID ACTIVE IN VEHQUE
845      ;*****
846      ;
847 5172 016700 S102:   MOV     VID,R0
848 5176 005067         CLR     RESULT

```

```

049 5202 105760      TSTB    VEHQUE-1(R0)
050 5206 001002      BNE     S102E
051 5210 005267      INC     RESULT          ; INACTIVE
052 5214 000205      S102E:  RTS     R5
053
054      ; *****
055      ; SUB-PROCESS 103  ENTER VID INTO VEHQUE
056      ; *****
057      ;
058 5216 016700      S103:  MOV     VID,R0
059 5222 010001      MOV     R0,R1
060 5224 110061      MOVB    R0,VEHQUE-1(R1)
061 5230 000205      RTS     R5
062
063      ; *****
064      ; SUB-PROCESS 104  DELETE VID FROM VEHQUE
065      ; *****
066      ;
067 5232 016700      S104:  MOV     VID,R0
068 5236 105060      CLRB    VEHQUE-1(R0)
069 5242 000205      RTS     R5
070
071      ; *****
072      ; SUB-PROCESS 107  TEST THAT VVV COINCIDES WITH VID USING
073      ; *****          'VSTAT' ENTRY IN VSTADR
074      ;
075 5244 005067      S107:  CLR     RESULT
076 5250 010546      MOV     R5,-(SP)
077 5252 016700      MOV     VSTADR,R0
078 5256 126710      CMPB    VID,(R0)          ; TEST VID
079 5262 001012      BNE     S107B
080 5264 012705      MOV     #RTAB,R5
081 5270 004767      JSR     PC,IRAD50
082 5274 016700      MOV     VSTADR,R0
083 5300 026067      CMP     18,(R0),VVVX
084 5306 001402      BEQ     S107E
085 5310 005267      S107B:  INC     RESULT
086 5314 012605      S107E:  MOV     (SP)+,R5
087 5316 000205      RTS     R5
088
089      ; *****
090      ; SUB-PROCESS 108  TEST FOR UNUSED ENTRY IN VSTAT
091      ; *****
092      ;
093 5320 005067      S108:  CLR     RESULT
094 5324 005000      CLR     R0
095 5326 012701      MOV     #VSTAT,R1
096 5332 105711      S108A:  TSTB    (R1)
097 5334 001413      BEQ     S108B
098 5336 005200      INC     R0
099 5340 066701      ADD     LNGVST,R1
000 5344 020067      CMP     R0,MAXTRK
001 5350 100770      BMI     S108A
  
```

```

TYESUB
902 5352 005067 CLR VSTADR
903 5356 005267 INC RESULT
904 5362 000402 BR S108E
905 5364 010167 S108B: MOV R1,VSTADR
906 5370 000205 S108E: RTS R5
907 ;*****
908 ; SUB-PROCESS 109 INITIALIZE NEW ENTRY IN 'VSTST'
909 ;***** (CLR ENTRY, SET BLK #, VID, TRUCK CO., VEH IN QUEUE)
910 ; (ALSO VVVX, STREET & CITY PTRS)
911 ;
912 5372 005000 S109: CLR R0
913 5374 016701 MOV VSTADR,R1
914 5400 005021 S109A: CLR (R1)+ ;CLEAR ENTRY
915 5402 005200 INC R0
916 5404 005200 INC R0
917 5406 020067 CMP R0,LNGVST
918 5412 100772 BMI S109A
919 5414 016701 MOV VSTADR,R1
920 5420 016761 MOV VVVX,18,(R1)
921 5426 012761 MOV #1..12(R1)
922 5434 112761 MOV #2..28,(R1)
923 5442 116711 MOV VID,(R1)
924 5446 116761 MOV BLK,1(R1)
925 5454 052761 BIS #4,2(R1)
926 5462 005767 TST TCO
927 5466 001403 BEQ S109E
928 5470 052761 BIS #40,2(R1)
929 5476 000205 S109E: RTS R5
930 ;
931 ;*****
932 ; SUB-PROCESS 110 DELETE VSTAT ENTRY
933 ;*****
934 ;
935 5500 105077 S110: CLRB @VSTADR
936 5504 000205 RTS R5
937 ;
938 ;*****
939 ; SUB-PROCESS 111 TEST FOR VREF ENTRY USING VVV
940 ;***** (ENTRY UPDATED WITH NEW ID)
941 ;
942 5506 010546 S111: MOV R5,-(SP)
943 5510 016701 MOV TCO,R1
944 5514 016703 MOV VID,R3
945 5520 012702 MOV #VVV,R2
946 5524 004567 JSR R5,FNDVRF
947 5530 000000 S111A: .WORD 0
948 5532 016767 MOV S111A,BLK
949 5540 005067 CLR RESULT
950 5544 022767 CMP #-1,S111A
951 5552 001002 BNE S111E
952 5554 005267 INC RESULT
953 5560 012605 S111E: MOV (SP)+,R5
954 5562 000205 RTS R5

```

```

955 ;
956 ;*****
957 ; SUB-PROCESS 140      TEST PASSWORD IN INPUT+2
958 ;*****
959 ;
960 5564 005067 S140: CLR      RESULT
961 5570 062767      ADD      #2, ADDRESS
962 5576 017700      MOV      @ADDRESS, R0
963 5602 005710 S140A: TST      (R0)
964 5604 001406      BEQ      S140B
965 5606 021067      CMP      (R0), INPUT+2
966 5612 001405      BEQ      S140E
967 5614 005200      INC      R0
968 5616 005200      INC      R0
969 5620 000770      BR       S140A
970 5622 005267 S140B: INC      RESULT
971 5626 000205 S140E: RTS      R5
972 ;
973 ;*****
974 ; SUB-PROCESS 142      UPDATE POLLING BUFFERS
975 ;*****
976 ;
977 5630 010546 S142:  MOV      R5, -(SP)
978 5632 010246      MOV      R2, -(SP)
979 5634 010146      MOV      R1, -(SP)
980 5636 010046      MOV      R0, -(SP)
981 5640 062767      ADD      #2, ADDRESS
982 5646 017700      MOV      @ADDRESS, R0
983 5652 016001      MOV      TYETAB(R0), R1
984 5656 062767      ADD      #2, ADDRESS
985 5664 017700      MOV      @ADDRESS, R0
986 5670 016002      MOV      TYETAB(R0), R2
987 5674 005721 S142A: TST      (R1)+
988 5676 001403      BEQ      S142C
989 5700 020102      CMP      R1, R2
990 5702 100774      BMI      S142A
991 5704 000403      BR       S142B
992 5706 016761 S142C: MOV      CMDBUF, -2(R1)
993 5714 012600 S142B: MOV      (SP)+, R0
994 5716 012601      MOV      (SP)+, R1
995 5720 012602      MOV      (SP)+, R2
996 5722 012605      MOV      (SP)+, R5
997 5724 000205      RTS      R5
998 ;
999 ;*****
1000 ; SUB-PROCESS 143      SET ZERO MILEAGE REQUEST BIT IN VSTA
1001 ;*****
1002 ;
1003 726 016700 S143:  MOV      VSTADR, R0
1004 732 052760      BIS      #40000.26(R0)
1005 740 000205      RTS      R5
1006 ;
1007 ;

```


TYEDIP RT-11 CRO VM02-10 02:45:16 PAGE 1+
TYESUB

1008 000001" .END

AC 001424R	ADDRES= ***** G	AMBUFF= ***** G
ASC2BN= ***** G	BASECD= ***** G	BLK = ***** G
BSPASS= ***** G	BSRGST= ***** G	BUFFER= ***** G
CMDBUF= ***** G	CMDWD1= ***** G	CMDWD2= ***** G
CMK2 000366R	CMPCMD 000220R	DA 001606R
DATEST= ***** G	DD 001336R	DE 001250R
DELTA = ***** G	DEVICE= ***** G	DEV^AB= ***** G
DISADR= ***** G	DSCOMP= ***** G	EDIT 000216R
ERRPRT= ***** G	ERR10 002306R	ERR.1 002170R
ERR12 002176R	ERR13 002204R	ERR.4 002212R
ERR15 002366R	ERR20 002314R	ERR24 002322R
ERR26 002330R	ERR27 002256R	ERR28 002264R
ERR29 002336R	ERR3 002220R	ERR34 002272R
ERR4 002226R	ERR5 002234R	ERR52 002344R
ERR53 002352R	ERR58 002360R	ERR6 002242R
ERR7 002250R	ERR8 002300R	ERR9 002162R
FINIK2 000212R	FNDVRF= ***** G	FUNKEY= ***** G
GOEDIT 000204R	GOON 000246R	IC 000122R
ICHARS= ***** G	INITK2 000000R	INPUT = ***** G
IRAD50= ***** G	IV 002052R	KB1A 000054R
LD 002156R	LNGVST= ***** G	LR 001054R
MATCH 000316R	MATCH1 000350R	MAX^RK= ***** G
MESSP1= ***** G	MINUS1 002374R	MOVC1 = ***** G
MOVER = ***** G	MOVK1 = ***** G	MOVK2 = ***** G
MOVPI = ***** G	MR 001110R	NOCMP 000350R
ONLINE= ***** G	OV 002046R	PC =%000007
PDTADR= ***** G	PDTINP= ***** G	PDTK2 = ***** G
PDTPI = ***** G	PROCA 000256R	PROCB 000302R
PROCE 000312R	PROCES 000254R	PRTADR= ***** G
PRTPDT= ***** G	PW 001642R	RESULT= ***** G
RET 000364R	RETADR= ***** G	RH 001702R
RSTREG= ***** G	RTAB = ***** G	RXTAB = ***** G
R0 =%000000	R1 =%000001	R2 =%000002
R3 =%000003	R4 =%000004	R5 =%000005
SAVREG= ***** G	SC 002056R	SCHED = ***** G
SETPW 000176R	SP =%000006	SPS^FL= ***** G
SR 001144R	ST 001542R	SUB01 003734R
SUB01A 003764R	SUB01E 003770R	SUB02 004000R
SUB02A 004026R	SUB02B 004034R	SUB02E 004040R
SUB03 004044R	SUB03A 004116R	SUB03B 004132R
SUB03C 004144R	SUB03D 004152R	SUB03E 004156R
SUB03F 004162R	SUB06 = ***** G	SUB07 = ***** G
SUB10 = ***** G	SUB13 004164R	SUB.3A 004166R
SUB13B 004202R	SUB13E 004242R	SUB.4 004244R
SUB14A 004274R	SUB14E 004306R	SUB.5 = ***** G
SUB16 004316R	SUB17 004354R	SUB.8 004400R
SUB18A 004426R	SUB18B 004446R	SUB.8C 004454R
SUB18E 004460R	SUB19 004462R	SUB.9E 004522R
SUB20 = ***** G	SUB21 004524R	SUB21A 004606R
SUB21B 004614R	SUB21E 004626R	SUB22 004632R
SUB24 004674R	SUB25 = ***** G	SUB29 = ***** G
SUB35 = ***** G	SUB36 = ***** G	SUB38 = ***** G
SUB47 004756R	SUB47A 004762R	SUB47B 005002R

SUB47E 005022R	SUB48 005024R	SUB48A 005030R
SUB48B 005050R	SUB48E 005070R	SUB49 005072R
SUB49A 005120R	SUB49B 005126R	SUB49E 005132R
SUB60 = ***** G	SUB61 = ***** G	SUB71 = ***** G
S100 005136R	S100A 005164R	S100E 005170R
S102 005172R	S102E 005214R	S103 005216R
S104 005232R	S105 = ***** G	S106 = ***** G
S107 005244R	S107B 005310R	S107E 005314R
S108 005320R	S108A 005332R	S108B 005364R
S108E 005370R	S109 005372R	S109A 005400R
S109E 005476R	S110 005500R	S111 005506R
S111A 005530R	S111E 005560R	S112 = ***** G
S115 = ***** G	S118 = ***** G	S121 = ***** G
S125 = ***** G	S136 = ***** G	S140 005564R
S140A 005602R	S140B 005622R	S140E 005626R
S142 005630R	S142A 005674R	S142B 005714R
S142C 005706R	S143 005726R	S144 002376R
S145 002414R	S145A 002544R	S145B 002554R
S145C 002566R	S145D 002600R	S145E 002612R
S145F 002624R	S145G 002530R	S146 002626R
S146A 002756R	S146B 002766R	S146C 003000R
S146D 003012R	S146E 003024R	S146F 003036R
S146G 002742R	S147 003040R	S147A 003462R
S147B 003440R	S147C 003474R	S147D 003506R
S147E 003226R	S147F 003332R	S147G 003272R
S147I 003514R	S147J 003526R	S147K 003410R
S147L 003444R	S147M 003430R	S147N 003256R
S147S1 003510R	S148 003530R	S149 003546R
S149A 003624R	S149B 003634R	S149C 003642R
S149D 003706R	S149E 003710R	S149F 003664R
S149G 003672R	T = ***** G	TCO = ***** G
TI 001506R	TIMTST= ***** G	TRYNXT 000322R
TTYBUF= ***** G	TYEDIT 000000RG	TYE"AB= ***** G
UD 000612R	UE 000514R	VC 002062R
VEHQUE= ***** G	VID = ***** G	VSTABL= ***** G
VSTADR= ***** G	VSTAT = ***** G	VVV = ***** G
VVVX = ***** G	YY = ***** G	ZA 000672R
ZA1 000734R	ZA2 000756R	ZO 001200R
...V2 = 000001		
. ABS. 000000 000		
005742 001		

ERRORS DETECTED: 0
FREE CORE: 16407. WORDS

.LP:/C:=TYEDIP.MAC

	1-32	1-32*	1-173	1-173*	1-188	1-188*	1-204
	1-204*	1-214	1-214*	1-224	1-224*	1-234	1-234*
	1-247	1-247*	1-250	1-258*	1-269	1-269*	1-283
	1-283*	1-291	1-291*	1-300	1-300*	1-314	1-314*
...V1	1-392	1-394	1-396	1-420	1-422	1-424	1-452
	1-455	1-487	1-488				
...V2	1-15*						
AC	1-124	1-269*					
ADDRES	1-27*	1-74*	1-76	1-78*	1-86	1-88	1-90
	1-92*	1-99	1-108*	1-110*	1-561*	1-574	1-581*
	1-589*	1-590	1-607	1-608*	1-646*	1-657	1-668*
	1-675	1-680*	1-688*	1-690	1-697*	1-698	1-717*
	1-718	1-719*	1-721	1-730*	1-731	1-753*	1-754
	1-768	1-769*	1-818*	1-819	1-961*	1-962	1-981*
	1-982	1-984*	1-985				
AMBUFF	1-19*	1-455	1-476	1-486*	1-487		
ASC2BN	1-20*	1-468	1-567*	1-621	1-739		
BASECD	1-19*	1-402	1-406	1-430	1-434	1-495	
BLK	1-561*	1-924	1-948*				
BSPASS	1-27*	1-308					
BSRQST	1-558*	1-689*	1-690*				
BUFFER	1-28*	1-193	1-194	1-195	1-196	1-382*	
CMDBUF	1-560*	1-992					
CMDWD1	1-27*	1-263	1-326				
CMDWD2	1-27*	1-179	1-197	1-242	1-252	1-253	1-264
	1-278	1-286	1-295	1-303	1-327	1-328	
CMK2	1-74	1-114*					
CMPCMD	1-74*						
DA	1-128	1-300*					
DATESY	1-558*	1-592					
DD	1-123	1-258*					
DE	1-122	1-247*					
DELTA	1-28*	1-321	1-322	1-328			
DEVICE	1-28*	1-250	1-261	1-561*	1-786	1-803	
DEVTAB	1-561*	1-701	1-783	1-800			
DISADR	1-25*	1-36*					
DSCOMP	1-21*	1-510*					
EDIT	1-67	1-71*					
ERR10	1-165	1-176	1-207	1-217	1-227	1-237	1-272
	1-317	1-371*					
ERR11	1-347	1-358*					
ERR12	1-339	1-359*					
ERR13	1-341	1-360*					
ERR14	1-343	1-361*					
ERR15	1-353	1-379*					
ERR20	1-192	1-372*					
ERR24	1-78	1-249	1-260	1-373*			
ERR26	1-190	1-374*					
ERR27	1-149	1-367*					
ERR28	1-153	1-368*					
ERR29	1-200	1-375*					
ERR3	1-141	1-161	1-362*				
ERR34	1-163	1-369*					
ERR4	1-143	1-363*					
ERR5	1-145	1-364*					
ERR52	1-285	1-376*					

ERR53	1-302	1-377*					
ERR58	1-323	1-378*					
ERR6	1-147	1-365*					
ERR7	1-167	1-366*					
ERR8	1-169	1-294	1-320	1-370*			
ERR9	1-337	1-357*					
ERRPRT	1-25*	1-37*					
FINIK2	1-55	1-69*					
FNDVRF	1-567*	1-946					
FUNKEY	1-26*	1-46*	1-324				
GOEDIT	1-57	1-63	1-65	1-67*			
GOON	1-77	1-79*					
IC	1-53*	1-54					
ICHARS	1-26*	1-54*					
INITK2	1-33*	1-68					
INPUT	1-20*	1-26*	1-52	1-62	1-64*	1-66*	1-100
	1-250	1-252	1-261	1-263	1-284	1-301	1-321
	1-326	1-327	1-449	1-460	1-520	1-535	1-560*
	1-699	1-721	1-732	1-733	1-755	1-965	
IRAD50	1-567*	1-775	1-881				
IV	1-131	1-332*					
KB1A	1-41*	1-45					
LD	1-134	1-355*					
LNGVST	1-546	1-559*	1-899	1-917			
LR	1-118	1-204*					
MATCH	1-75	1-99*					
MATCH1	1-101	1-108*					
MAXTRK	1-559*	1-900					
MESSP1	1-21*	1-37					
MINUS1	1-309	1-380*					
MOVCI	1-21*						
MOVER	1-25*	1-33*	1-51				
MOVK1	1-21*						
MOVK2	1-21*	1-33					
MOVPI	1-21*	1-36	1-38				
MR	1-119	1-214*					
NOCMP	1-103	1-105	1-110*				
ONLINE	1-27*	1-56	1-312				
OV	1-130	1-331*					
PDTADR	1-25*	1-34*					
PDTINP	1-25*	1-39*	1-59				
PDTK2	1-20*	1-39	1-310				
PDTP1	1-20*	1-34	1-35	1-184	1-243	1-254	1-265
	1-279	1-287	1-296	1-304	1-311	1-329	
PROCA	1-86*	1-93					
PROCB	1-92*						
PROCE	1-87	1-80	1-94*				
PROCES	1-79	1-85*					
PRTADR	1-25*	1-38*					
PRTPDT	1-25*	1-35*					
PW	1-117	1-129	1-308*				
RESULT	1-519*	1-541*	1-561*	1-573*	1-580*	1-588*	1-596*
	1-606*	1-626*	1-700*	1-710*	1-720*	1-723*	1-738*
	1-745*	1-766*	1-817*	1-825*	1-833*	1-840*	1-848*
	1-851*	1-875*	1-885*	1-893*	1-903*	1-949*	1-952*
	1-960*	1-970*					
RET	1-109	1-111*					

RETADR	1-26*	1-43*	1-560*	1-635	1-642	1-644	1-646
RH	1-650*						
RSTREG	1-127	1-314*					
RTAB	1-19*	1-398	1-426	1-491			
RXTAB	1-559*	1-880					
S100	1-559*	1-770*	1-771*	1-772*	1-773*	1-774	
S100A	1-140	1-160	1-336	1-346	1-833*		
S100E	1-835	1-837	1-838	1-840*			
S102	1-839	1-841*					
S102E	1-142	1-152	1-847*				
S103	1-850	1-852*					
S104	1-154	1-350	1-858*				
S105	1-170	1-344	1-867*				
	1-24*	1-144	1-164	1-175	1-206	1-216	1-226
	1-236	1-271	1-316				
S106	1-24*						
S107	1-166	1-875*					
S107B	1-879	1-885*					
S107E	1-884	1-886*					
S108	1-148	1-893*					
S108A	1-896*	1-901					
S108B	1-897	1-905*					
S108E	1-904	1-906*					
S109	1-151	1-349	1-912*				
S109A	1-914*	1-918					
S109E	1-927	1-929*					
S110	1-171	1-935*					
S111	1-146	1-942*					
S111A	1-947*	1-948	1-950				
S111E	1-951	1-953*					
S112	1-24*						
S115	1-24*	1-191	1-342				
S118	1-24*	1-183	1-209	1-219	1-229	1-241	1-276
S121	1-24*	1-168	1-319				
S125	1-24*	1-178	1-239	1-277			
S136	1-24*	1-273	1-274				
S140	1-308	1-960*					
S140A	1-963*	1-969					
S140B	1-964	1-970*					
S140E	1-966	1-971*					
S142	1-210	1-220	1-230	1-977*			
S142A	1-987*	1-990					
S142B	1-991	1-993*					
S142C	1-988	1-992*					
S143	1-240	1-103*					
S144	1-348	1-382*					
S145	1-331	1-390*					
S145A	1-398*	1-404					
S145B	1-393	1-402*					
S145C	1-395	1-406*					
S145D	1-392	1-410*					
S145E	1-394	1-411*					
S145F	1-394	1-412*					
S145G	1-396*	1-408					
S146	1-332	1-418*					
S146A	1-426*	1-432					
S146B	1-421	1-430*					

S146C	1-423	1-434#					
S146D	1-420	1-438#					
S146E	1-422	1-439#					
S146F	1-422	1-440#					
S146G	1-424#	1-436					
S147	1-333	1-446#					
S147A	1-452	1-501#					
S147B	1-450	1-453	1-456	1-470	1-485	1-495#	
S147C	1-455	1-502#					
S147D	1-455	1-457*	1-503#				
S147E	1-462#	1-473					
S147F	1-477	1-486#					
S147G	1-476#	1-480	1-484				
S147I	1-487	1-505#					
S147J	1-487	1-490*	1-506#				
S147K	1-488#	1-499					
S147L	1-448*	1-451*	1-454*	1-458*	1-496#	1-497	
S147M	1-491#	1-498					
S147N	1-469	1-471#					
S147S1	1-459	1-461	1-476	1-486	1-504#		
S148	1-355	1-510#					
S149	1-152	1-518#					
S149A	1-527	1-532#					
S149B	1-525	1-534#					
S149C	1-523	1-531	1-533	1-535#			
S149D	1-538	1-548#	1-552				
S149E	1-540	1-549#					
S149F	1-529	1-541#					
S149G	1-543#	1-547					
SAVREG	1-19#	1-391	1-419	1-447			
SC	1-132	1-333#					
SCHED	1-21#	1-511*					
SETPW	1-61	1-66#					
SPSTFL	1-19#	1-452					
SR	1-120	1-224#					
ST	1-126	1-291#					
SUB01	1-293	1-322	1-573#				
SUB01A	1-577	1-580#					
SUB01E	1-579	1-581#					
SUB02	1-301	1-588#					
SUB02A	1-590*	1-593#					
SUB02B	1-594	1-596#					
SUB02E	1-595	1-597#					
SUB03	1-321	1-605#					
SUB03A	1-615#	1-619					
SUB03B	1-618	1-620#					
SUB03C	1-622	1-624#					
SUB03D	1-623	1-626#					
SUB03E	1-625	1-627#					
SUB03F	1-612*	1-624*	1-629#				
SUB06	1-22#	1-143	1-145				
SUB07	1-22#	1-141	1-147	1-149	1-153	1-161	1-163
	1-165	1-167	1-169	1-176	1-181	1-190	1-192
	1-200	1-207	1-217	1-227	1-237	1-249	1-260
	1-272	1-285	1-294	1-302	1-309	1-317	1-320
	1-323	1-337	1-339	1-341	1-343	1-347	1-353
SUB10	1-22#	1-182					

SUB13	1-201	1-634#					
SUB13A	1-635#	1-639					
SUB13B	1-636	1-640#					
SUB13E	1-643	1-645	1-649	1-651#			
SUB14	1-250	1-252	1-261	1-263	1-326	1-327	1-328
	1-657#						
SUB14A	1-663#	1-667					
SUB14E	1-666	1-668#					
SUB15	1-22#	1-179	1-197	1-242	1-253	1-264	1-278
	1-286	1-295	1-303	1-312	1-324		
SUB16	1-193	1-194	1-195	1-196	1-675#		
SUB17	1-211	1-221	1-231	1-688#			
SUB18	1-248	1-259	1-697#				
SUB18A	1-702#	1-709					
SUB18B	1-705	1-708#					
SUB18C	1-703	1-710#					
SUB18E	1-707	1-711#					
SUB19	1-180	1-717#					
SUB19E	1-722	1-724#					
SUB20	1-22#	1-137	1-157	1-174	1-205	1-215	1-225
	1-235	1-270	1-315	1-334			
SUB21	1-138	1-158	1-335	1-345	1-730#		
SUB21A	1-740	1-742#					
SUB21B	1-741	1-744#					
SUB21E	1-743	1-746#					
SUB22	1-139	1-159	1-292	1-318	1-753#		
SUB24	1-150	1-766#					
SUB25	1-22#	1-177	1-208	1-218	1-228	1-238	1-275
	1-325						
SUB29	1-22#	1-185	1-244	1-255	1-266	1-280	1-288
	1-297	1-305	1-330				
SUB35	1-22#	1-198	1-351				
SUB36	1-20#	1-338					
SUB38	1-22#	1-184	1-243	1-254	1-265	1-279	1-287
	1-296	1-304	1-310	1-311	1-329		
SUB47	1-251	1-783#					
SUB47A	1-784#	1-789					
SUB47B	1-787	1-790#					
SUB47E	1-785	1-794#					
SUB48	1-262	1-800#					
SUB48A	1-801#	1-806					
SUB48B	1-804	1-807#					
SUB48E	1-802	1-811#					
SUB49	1-284	1-817#					
SUB49A	1-819#	1-822#					
SUB49B	1-823	1-825#					
SUB49E	1-824	1-826#					
SUB60	1-23#	1-189	1-340				
SUB61	1-23#	1-199	1-352				
SUB71	1-20#	1-23#	1-357	1-358	1-359	1-360	1-361
	1-362	1-363	1-364	1-365	1-366	1-367	1-368
	1-369	1-370	1-371	1-372	1-373	1-374	1-375
	1-376	1-377	1-378	1-379			
T	1-561#	1-755#	1-757				
TCO	1-26#	1-49#	1-293	1-560#	1-756#	1-757#	1-758#
	1-926	1-943					
TI	1-125	1-283#					

TIMTST	1-558#	1-821					
TRYNXT	1-100#	1-107					
TTYBUF	1-19#	1-462	1-560#	1-613*	1-615*	1-732*	1-733*
	1-734*	1-735					
TYEDIT	1-21#	1-32#					
TYETAB	1-559#	1-983	1-986				
UD	1-116	1-157#					
UE	1-115	1-137#					
VC	1-133	1-334#					
VEHQUE	1-19#	1-394	1-422	1-559#	1-560#	1-849	1-860*
	1-868*						
VID	1-26#	1-47*	1-382	1-383	1-560#	1-689	1-742*
	1-744*	1-834	1-836	1-847	1-858	1-867	1-878
	1-923	1-944					
VSTABL	1-20#	1-392	1-420				
VSTADR	1-26#	1-48*	1-383*	1-518	1-560#	1-877	1-882
	1-902*	1-905*	1-913	1-919	1-935*	1-103	
VSTAT	1-19#	1-558#	1-895				
VVV	1-27#	1-150	1-561#	1-945			
VVVX	1-27#	1-150	1-561#	1-883	1-920		
YY	1-561#	1-735*					
ZA	1-114	1-173#					
ZA1	1-181	1-183#					
ZA2	1-182	1-188#					
ZO	1-121	1-234#					

...CM1	1-15# 1-487	1-392	1-394	1-420	1-422	1-452	1-455
...CM2	1-15# 1-422 1-455	1-392 1-422 1-455	1-394 1-422 1-487	1-394 1-422 1-487	1-394 1-452 1-487	1-394 1-455 1-487	1-420 1-455
...CM3	1-15#	1-396	1-424	1-488			
...CM4	1-15#	1-394	1-422	1-455	1-487		
..V2..	1-14# 1-15						
.CLOSE	1-14#	1-396	1-424	1-488			
.LOOKU	1-14#	1-392	1-420	1-452			
.READW	1-14#	1-422	1-455				
.REGDE	1-14#	1-16					
.SRESE	1-14#	1-397	1-425	1-489			
.WRITW	1-14#	1-394	1-487				

SECTION B

This section contains the functional description, the operational description, the inputs, the outputs, the algorithms used, and the functional flow charts of all the modules, submodules, and subroutines in the Cargo Security System.

This section is organized parallel with Section A for each of the six functional levels. Each module in the Cargo Security System is documented and also contains documentation for submodules and subroutines internal to the module.

SECTION B.1

The documentation in this section is for the Real-Time Executives and Utilities Modules. It corresponds to Section A.1.

```

1      .ENABL AMA
2      .TITLE TYCPR
3      ;
4      ; BASE STATION COMMAND PRINT
5      ;
6      ; THIS ROUTINE PRINTS THE CURRENT COMMAND FOR THE
7      ; BASE STATION ON 'PT'.
8      ;
9      ; SUBROUTINE CALL:
10     ;
11     ; JSR      R5, TYCPR
12     ;
13     ;
14     ;
15     .GLOBL TYCPR
16     .GLOBL VSTAT
17     .GLOBL PDTP1, BN2SEC, BN2OCT
18     .GLOBL MESSP1, VOLATL, RLSBUF, FNDBUF
19     .GLOBL HOURS, MINS, HALF, SECS, MONTHR, DATE
20     .GLOBL MOVBUF, R50ASC
21     .GLOBL MOVP1
22     .GLOBL GTVREF
23     .MCALL ..V2....REGDEF
24 00000 ..V2..
25 00000 .REGDEF
26     .NLIST BEX
27     ;
28     ; SAVE REGISTERS
29 00000 010546 TYCPR MOV     R5, -(SP)
30 00002 010446      MOV     R4, -(SP)
31 00004 010346      MOV     R3, -(SP)
32 00006 010246      MOV     R2, -(SP)
33 00010 010146      MOV     R1, -(SP)
34 00012 010046      MOV     R0, -(SP)
35 00014 000407      BR      CONT
36     ;
37     ; RESTORE REGISTERS
38 00016 012600 RET:  MOV     (SP)+, R0
39 00020 012601      MOV     (SP)+, R1
40 00022 012602      MOV     (SP)+, R2
41 00024 012603      MOV     (SP)+, R3
42 00026 012604      MOV     (SP)+, R4
43 00030 012605      MOV     (SP)+, R5
44 00032 000205      RTS     R5          ; RETURN
45     ;
46     ;
47     ;
48 00034 012701 CONT: MOV     #TABB, R1          ; BLANK OUT
49 00040 012737      MOV     #L2, TABB+4        ; BUFFER
50 00045 162737      SUB     #L1, TABB+4
51 00054 162737      SUB     #2, TABB+4
52 00062 012737      MOV     #", L1            ; MOVE BLANK TO FIRST
53 00070 012702      MOV     #L1, R2          ; POSITION

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54 00074 010203      MOV      R2,R3      ; SOURCE
55 00076 005203      INC       R3        ; DESTINATION
56 00100 005203      INC       R3
57 00102 004537      JSR       R5,MOVBUFF
58                      ;
59                      ;
60 00106 012701      MOV      #TAB1,R1
61 00112 005711      TST      (R1)
62 00114 100455      BMI      OUTL      ; IF MINUS THEN THRU
63 00116 123711      CMPB     PDTP1+12.,(R1) ; LOOK AT COMMAND #
64 00122 001054      BNE      NEXT1
65 00124 010137      MOV      R1,SAV1
66 00130 005761      TST      2(R1)      ; VEHICLE ID TO BE PRINTED?
67 00134 001412      BEQ      TST2      ; NO
68 00136 113704      MOVB     PDTP1+6,R4 ; VEHICLE ID
69 00142 004537      JSR      R5,BN2DEC
70 00146 016437      MCV      4(R4),VHDEV ; MOVE TO OUTPUT
71 00154 013701      MOV      SAV1,R1
72 00160 000410      BR       TST3
73 00162 013701      TST2:  MOV      SAV1,R1
74 00166 005761      TST      4(R1)      ; DEV TO BE PRINTED?
75 00172 001403      BEQ      TST3      ; NO
76 00174 013737      MOV      PDTP1+10.,VHDEV ; DEVICE
77 00202 005761      TST3:  TST      6(R1) ; LOOK FOR DESCRIPTION
78 00206 001415      BEQ      TST4
79 00210 016102      MOV      6(R1),R2 ; SOURCE
80 00214 016137      MOV      8.(R1),TABMOV+4 ; # CHARS
81 00222 016103      MOV      10.(R1),R3 ; DESTINATION
82 00226 012701      MOV      #TABMOV,R1 ; TABLE
83 00232 004537      JSR      R5,MOVBUFF ; MOVE IT
84 00236 013701      MOV      SAV1,R1
85 00242 005761      TST4:  TST      12.(R1)
86 00246 001005      BNE      TRY2      ; SEE IF MORE INFO
87 00250 000137      OUTL:  JMP      PRINT ; ALL SO GO PRINT
88 00254 062701      NEXT1: ADD      #14.,R1
89 00260 000714      BR       LOOP
90                      ;
91 00262 122737      TRY2:  CMPB     #11.,PDTP1+12. ; LOOK FOR TIME
92 00270 001040      BNE      TRY3
93 00272 013704      MOV      HOURS,R4
94 00276 004537      JSR      R5,BN2DEC ; CONVERT HOURS
95 00302 112737      MOVB     #' : ,X1+2
96 00310 016437      MOV      4(R4),X1
97 00316 013704      MOV      MINS,R4
98 00322 004537      JSR      R5,BN2DEC ; CONVERT MINUTES
99 00326 116437      MOVB     4(R4),X1+3 ; MOVE
100 00334 116437      MOVB     5(R4),X1+4 ; MINUTES
101 00342 112737      MOVB     #' : ,X1+5
102 00350 013704      MOV      SECS,R4
103 00354 004537      JSR      R5,BN2DEC ; CONVERT SECS
104 00360 016437      MOV      4(R4),X1+6
105 00366 000137      JMP      PRINT
106 00372 122737      TRY3:  CMPB     #12.,PDTP1+12. ; LOOK FOR COMPANY

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107 0400 001010      BNE      TRY4
108 0402 113704      MOV8     PDTP1+7,R4      ; COMPANY #
109 0406 005204      INC      R4
110 0410 004537      JSR      R5,BN2DEC
111 0414 016437      MOV      4(R4),X1      ; MOVE CO TO OUTPUT
112                  ;
113 0422 122737      TRY4:    CMP8     #14.,PDTP1+12.      ; LOOK FOR DATE
114 0430 001404      BEQ      GOT4
115 0432 122737      CMP8     #12.,PDTP1+12.      ; LOOK FOR DATE IN HEADING
116 0440 001127      BNE      TRY5
117 0442 113704      GOT4:    MOV8     DATE+1,R4
118 0446 042704      BIC      #177400,R4      ; GET
119 0452 006204      ASR      R4
120 0454 004537      JSR      R5,BN2DEC
121 0460 016437      MOV      4(R4),CDATY      ; ASCII YR
122 0466 113704      MOV8     DATE,R4      ; DAYS
123 0472 042704      BIC      #177740,R4
124 0476 004537      JSR      R5,BN2DEC
125 0502 016437      MOV      4(R4),CDATD      ; ASCII YR
126                  ;
127                  ;
128 0510 013704      MOV      DATE,R4
129 0514 006204      ASR      R4
130 0516 006204      ASR      R4
131 0520 006204      ASR      R4
132 0522 006204      ASR      R4
133 0524 042704      BIC      #177761,R4
134 0530 005304      DEC      R4
135 0532 005304      DEC      R4
136 0534 062704      ADD      #MONTHR,R4      ; GET ADDRESS OF RAD50 MONTH
137 0540 010437      MOV      R4,SOURC
138 0544 012705      MOV      #TABC,R5      ; TABLE ADDRESS
139 0550 004737      JSR      PC,R50ASC      ; CONVERT MONTH
140                  ;
141 0554 122737      CMP8     #14.,PDTP1+12.
142 0562 001032      BNE      GOT12
143 0564 013737      MOV      CDATD,Y1      ; MOVE
144 0572 112737      MOV8     #'-,Y1+2      ; DATE
145 0600 113737      MOV8     CDATM,Y1+3      ; TO OUTPUT
146 0606 113737      MOV8     CDATM+1,Y1+4
147 0614 113737      MOV8     CDATM+2,Y1+5
148 0622 112737      MOV8     #'-,Y1+6
149 0630 113737      MOV8     CDATY,Y1+7
150 0636 113737      MOV8     CDATY+1,Y1+8.
151 0644 000137      JMP      PRINT
152 0650 013737      GOT12:   MOV      CDATD,DAT
153 0656 113737      MOV8     CDATM,DAT+3
154 0664 113737      MOV8     CDATM+1,DAT+4
155 0672 113737      MOV8     CDATM+2,DAT+5
156 0700 113737      MOV8     CDATY,DAT+9.
157 0706 113737      MOV8     CDATY+1,DAT+10.
158 0714 000137      JMP      PRINT
159 0720 122737      TRY5:    CMP8     #4.,PDTP1+12.      ; MILEAGE ?

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160 0726 001020      BNE      TRY6
161 0730 013701      MOV      PDTP1+8.,R1
162 0734 016104      MOV      8.(R1),R4
163 0740 004537      JSR      R5,BN2OCT
164 0744 011437 MVS:  MOV      (R4),X1
165 0750 016437      MOV      2(R4),X1+2
166 0756 016437      MOV      4(R4),X1+4
167 0764 000137      JMP      PRINT
168
169 0770 122737 TRY6:  CMPB     #5,PDTP1+12.
170 0776 001007      BNE      TRY7
171 1000 013701      MOV      PDTP1+8.,R1
172 1004 016104      MOV      6(R1),R4
173 1010 004537      JSR      R5,BN2OCT
174 1014 000753      BR       MVS
175
176 1016 122737 TRY7:  CMPB     #3,PDTP1+12.
177 1024 001070      BNE      PRINT
178 1026 013701      MOV      PDTP1+8.,R1
179 1032 116137      MOVB     1(R1),SABLK
180 1040 004037      JSR      R0,GETIT
181 1044 005737      TST      BUFA
182 1050 001456      BEQ      PRINT
183 1052 013703      MOV      SABLK,R3
184 1056 013704      MOV      BUFA,R4
185 1062 004537      JSR      R5,GTVREF
186 1066 005700      TST      R0
187 1070 001040      BNE      RLS
188 1072 012701      MOV      #TBB,R1
189 1076 005711 TRY7:  TST      (R1)
190 1100 100427      BMI      RLS1
191 1102 010137      MOV      R1,SAV1
192 1106 013702      MOV      BUFA,R2
193 1112 061102      ADD      (R1),R2
194 1114 011204      MOV      (R2),R4
195 1116 004537      JSR      R5,BN2DEC
196 1122 013701      MOV      SAV1,R1
197 1126 016103      MOV      2(R1),R3
198 1132 011413      MOV      (R4),(R3)
199 1134 016463      MOV      2(R4),2(R3)
200 1142 016463      MOV      4(R4),4(R3)
201 1150 062701      ADD      #4,R1
202 1154 000137      JMP      TRL7
203 1160 013702 RLS1:  MOV      PDTP1+8.,R2
204 1164 116237      MOVB     29.(R2),YB+7
205 1172 013737 RLS:  MOV      BUFA,BUFR
206 1200 004537      JSR      R5,RLSBUF
207 1204 000000 BUFR:  .WORD    0
208 1206 012737 PRINT: MOV      #L2,CHRS
209 1214 162737      SUB      #L1,CHRS
210 1222 013701      MOV      CHRS,R1
211 1226 012702      MOV      #L2,R2
212 1232 005302 PRL0OP: DEC     R2

```

```

; NO
; ADDRESS VSTAT
; CONVERT TO OCTAL

```

```

; LOOK FOR SENSORS
; ADDRESS VSTAT
; SENSORS

```

```

; LOOK FOR LOE REQ
; ADDRESS IN VSTAT
; BLOCK OF VREF
; GET 256 WORD BUFFER
; NO BUFFER

```

```

; BLOCK #
; BUFFER
; GET VREF

```

```

; OFFSET INTO VREF
; CONVERT CONTENTS

```

```

; DESTINATION
; MOVE TO
; OUTPUT

```

```

; FIND
; # OF
; CHARACTERS
; TO PRINT

```



```

213 1234 005302      DEC      R2
214 1236 022712      CMP      #" , (R2)
215 1242 001010      BNE      GOON      ; FOUND FIRST NON-BLANK
216 1244 162701      SUB      #2, R1
217 1250 001405      BEQ      GOON
218 1252 100404      BMI      GOON
219 1254 162737      SUB      #2, CHRS
220 1262 000763      BR       PRLOOP
221                  ;
222 1264 012701 GOON:  MOV      #PR1, R1      ; TABLE
223 1270 004037      JSR      R0, DISPLA
224                  ;
225                  ;
226 1274 122737      CMPB     #12., PDTP1+12.      ; LOOK FOR MORE PRINT
227 1302 001402      BEQ      GOON2
228 1304 000137      JMP      RET
229 1310 012701 GOON2: MOV      #PR2, R1      ; PRINT LINES
230 1314 004037      JSR      R0, DISPLA      ; FOR HEADING
231                  ;
232                  ;
233 1320 000137      JMP      RET      ; RETURN
234                  ; ROUTINE TO CALL PRINT SUBROUTINE
235                  ;
236 1324 005711 DISPLA: TST      (R1)      ; IF ZERO THEN PROCESS THRU
237 1326 001425      BEQ      DRET
238 1330 012137      MOV      (R1)+, SRCC1      ; ADDRESS OF SOURCE
239 1334 012137      MOV      (R1)+, CHRC1      ; # OF CHARACTERS TO PRINT
240 1340 005037      CLR      ERRCNT
241 1344 004537 CMOVPI: JSR      R5, MOVPI
242 1350 000000 SRCC1: .WORD      0      ; SOURCE ADDRESS
243 1352 000000 CHRC1: .WORD      0      ; # CHARACTERS
244 1354 000000 ERRC1: .WORD      0      ; ERROR RETURN
245 1356 005737      TST      ERRC1      ; IF ZERO, PROCESS ACCEPTED
246 1362 001760      BEQ      DISPLA      ; GO TO NEXT ENTRY IN TABLE
247 1364 005237      INC      ERRCNT
248 1370 023737      CMP      ERRCNT, PDTP1+2      ; TEST FOR MAXIMUM ERRORS
249                  ;
250 1376 100001      BPL      DRET      ; CANNOT OUTPUT TO PRINT EXIT SUBRT
251 1400 000761      BR       CMOVPI      ; TRY TO MOVE LINE AGAIN
252 1402 000200 DRET:  RTS       R0      ; RETURN FROM DISPLA
253                  ;
254                  ;
255                  ; FIND AVAILABLE 256 WORD BUFFER
256                  ;
257 1404 010046 GETIT:  MOV      R0, -(SP)
258 1406 005002      CLR      R2
259 1410 004537 TRY:   JSR      R5, FNDBUF
260 1414 000000 BUFA:  .WORD      0
261 1416 005737      TST      BUFA
262 1422 001014      BNE      BUFOK      ; FOUND A BUFFER
263 1424 005202      INC      R2
264 1426 020237      CMP      R2, VOLATL      ; LIMIT REACHED?
265 1432 100766      BMI      TRY

```

```

266 1434 005001 CLR R1
267 1436 012700 MOV #54,R0
268 1442 005002 CLR R2
269 1444 004537 JSR R5,MESSP1 ; OUTPUT ERROR MESSAGE
270 1450 005037 CLR BUFA
271 1454 012600 BUFOK: MOV (SP)+,R0 ; RETURN
272 1456 000200 RTS R0

```

```

273 ;
274 ;
275 1460 040 L1: .ASCII / /
276 1462 000000 VHDEV: .WORD 0
277 1464 000000 .WORD 0
278 1466 000000 DESC: .WORD 0
279 1470 000000 .WORD 0
280 1472 000000 X1: .WORD 0
281 1474 000000 Y1: .WORD 0
282 001502 .=. +4
283 1502 000000 YB: .WORD 0
284 001512 .=. +6.
285 1512 000000 YX: .WORD 0
286 001522 .=. +6
287 1522 000000 YY1: .WORD 0
288 001532 .=. +6.
289 1532 000000 YY2: .WORD 0
290 001542 .=. +6
291 1542 000000 YY3: .WORD 0
292 001552 .=. +6.
293 1552 000000 YY4: .WORD 0
294 001562 .=. +6
295 1562 000000 YY5: .WORD 0
296 001572 .=. +6
297 1572 000000 YY6: .WORD 0
298 001602 .=. +6
299 1602 040 YY: .ASCII / /
300 1612 040 L2: .ASCII / DATE- /
301 1622 040 DAT: .ASCII / 19 /
302 1636 040 L3: .ASCII / VEHICLE TYPE LOCATION /
303 1674 040 .ASCII / TIME /
304 1730 040 .ASCII / DESCRIPTION/
305 1746 000000 L4: .WORD 0
306 1750 000012 TBB: .WORD 10..X1
307 1754 000014 .WORD 12..YB
308 1760 000032 .WORD 26..YX
309 1764 000034 .WORD 28..YY1
310 1770 000042 .WORD 34..YY2
311 1774 000044 .WORD 36..YY3
312 2000 000046 .WORD 38..YY4
313 2004 000106 .WORD 70..YY5
314 2010 000110 .WORD 72..YY6
315 2014 177777 .WORD -1

```

```

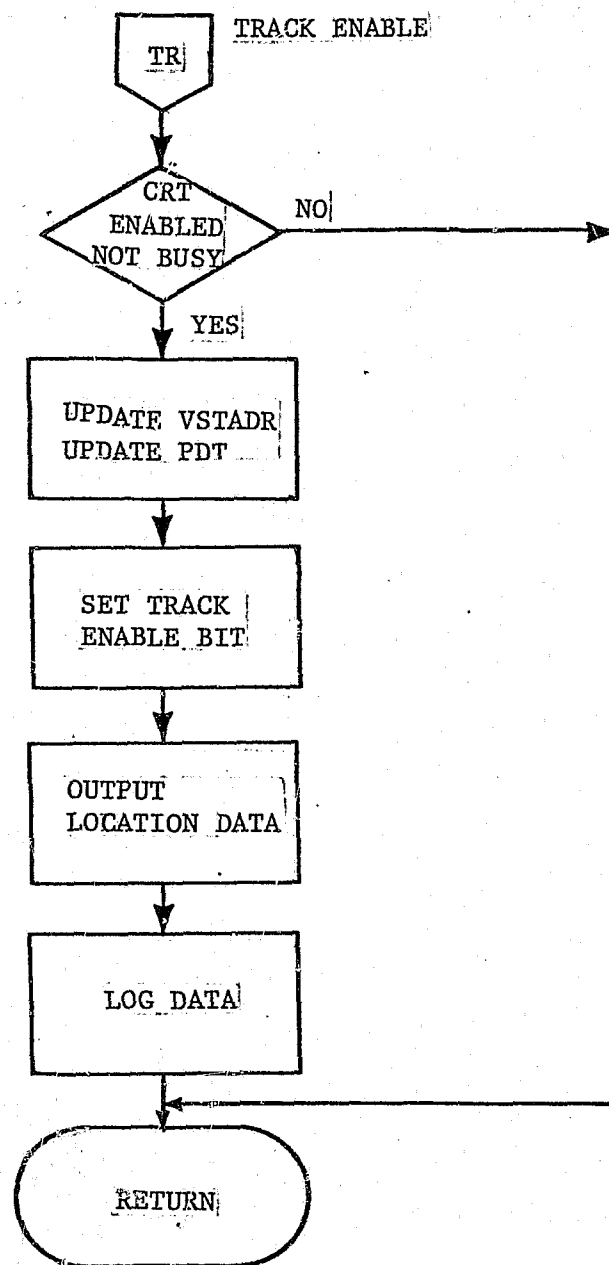
316 ;
317 ; COMMAND #. 1 IF VID. 1 IF DEV. ADDRESS IF FIXED PART.
318 ; LENGTH, DEST , 0 IF ALL

```

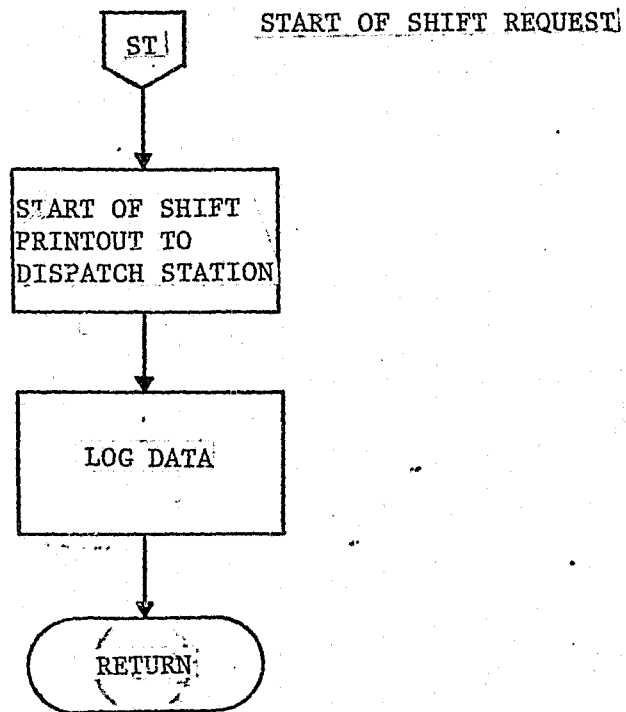

CONTINUED

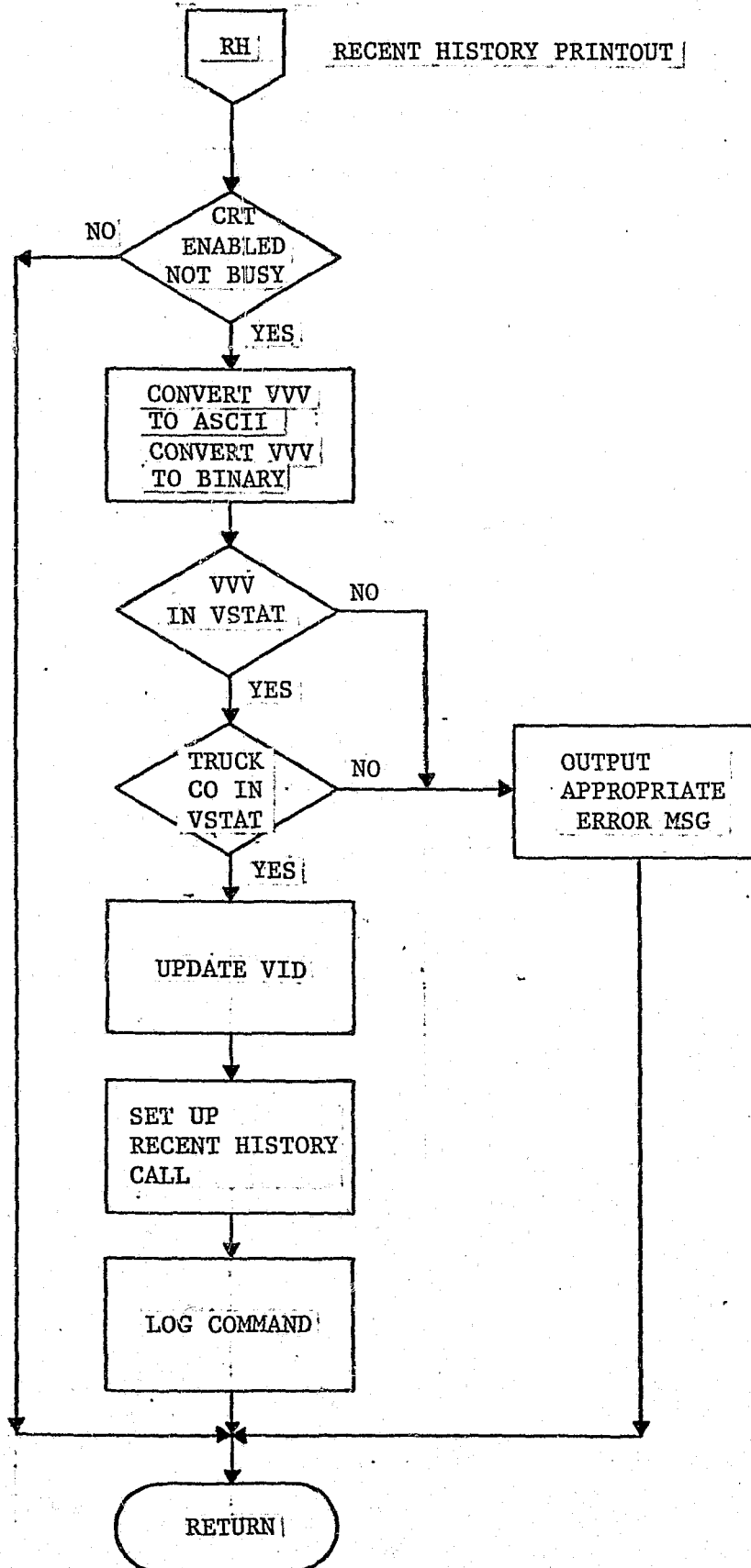
12 OF 29

DSEDIT



DSEDT





DOLAY 1

FUNCTIONAL DESCRIPTION:

This routine is a composite of subprocesses for the dispatch station control processor.

SUBPROCESSES CONTAINED IN THIS MODULE:

SUBPROCESS	DEFINITION
S401	Load Tel. #, Sensor Data, and Call Alert/Alarm Printout
S402	Output Data to Dispatch Station Formatter
S403	Load Location Data and Call Tel. #
S404	Set up Command Call Parameters
S405	Display Update Processor
S406	Output Bell CMD Flags
S407	Output Printer Data
S409	Log CMD Data and Load CMDWDC
S410	Clear DSCMD1 and DSCMD2
S411	Load PTR with Remote Alarm Data
S413	Output Data to CRT
S412	Output Data in PRTR to Char. Printer
S414	Clear Buffers in 'ISC' Display
S418	Mode Change Command
S419	Mode Change Display Update
S420	Complete the Command
S421	Recent History Printout Processor
S422	Dispatch Station Halt
S300	Load Status Buffer
S301	Load Location Data in 'OUTLOC', 'TELOUT', 'VEHNUM'
S302	Determine Vehicle Color Byte and Load Color
S303	Load Make, Model, License, Mode Buffers

SECTION B.5

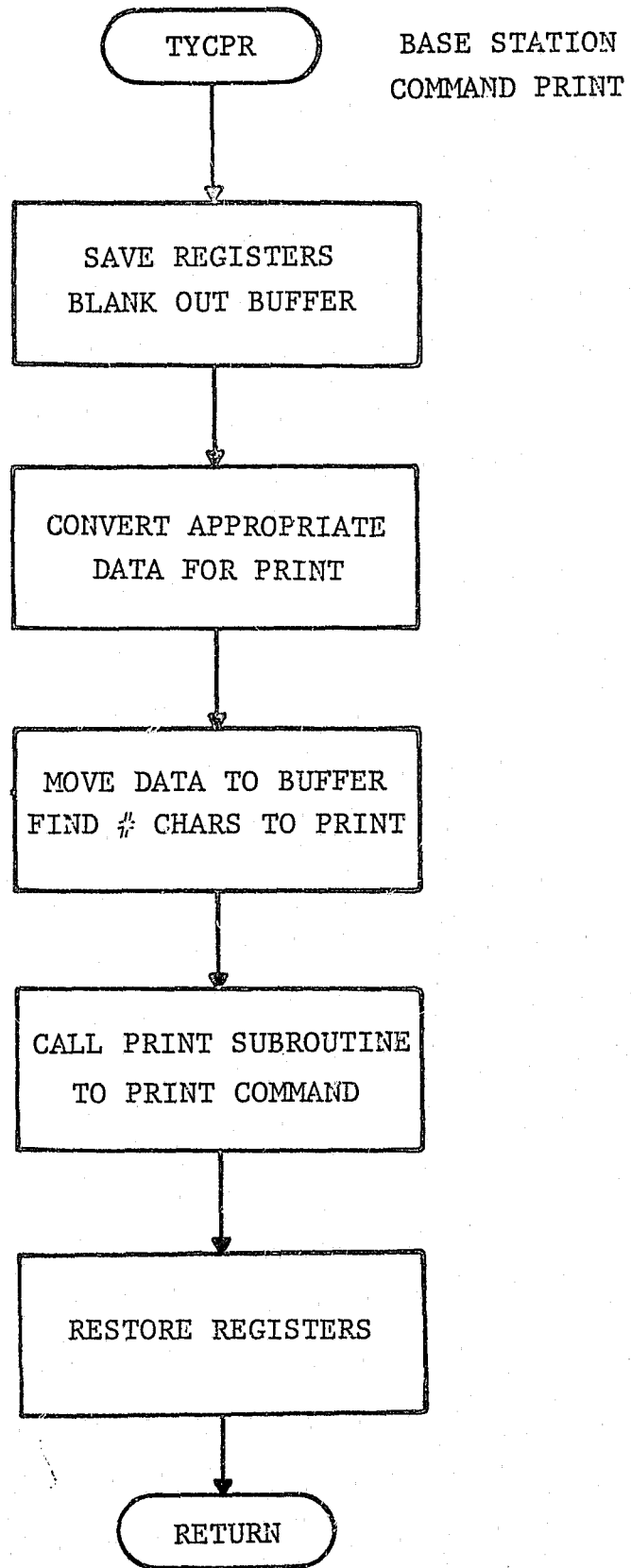
This section contains the Base Station Display/Controls Modules documentation, the listings to which can be found in Section A.5.

TYCPR

FUNCTIONAL DESCRIPTION:

This routine prints the current command, for the base station, on the base station printer 'P1'.

T Y C P R



ALSTAT

FUNCTIONAL DESCRIPTION:

This alarm status display will display all the vehicles for a trucking company showing the status of the vehicle and whether an alarm is pending, and if the vehicle is enabled. It will write a full display if requested or update an existing line of display.

OPERATIONAL DISPLAY:

This display is called by BSCTRL when a request for the display has been made, or when a status update comes in for a vehicle currently shown on the display. Information for the display is taken from the PDTCL Table. The program determines if a new display has been requested, the VREF file is searched for the records for the requested trucking company. For each vehicle the VEHQUE is tested to see if the vehicle is on line, if it is not on the line, if it is not then the next VREF is obtained. The VREF file is then found for this vehicle and the status displayed from it.

If an update has been requested, then the relative line number on the display for the requested vehicle update is calculated, and the line is updated with the new status of the vehicle.

INPUTS:

PDTCL - Physical device Table for CL

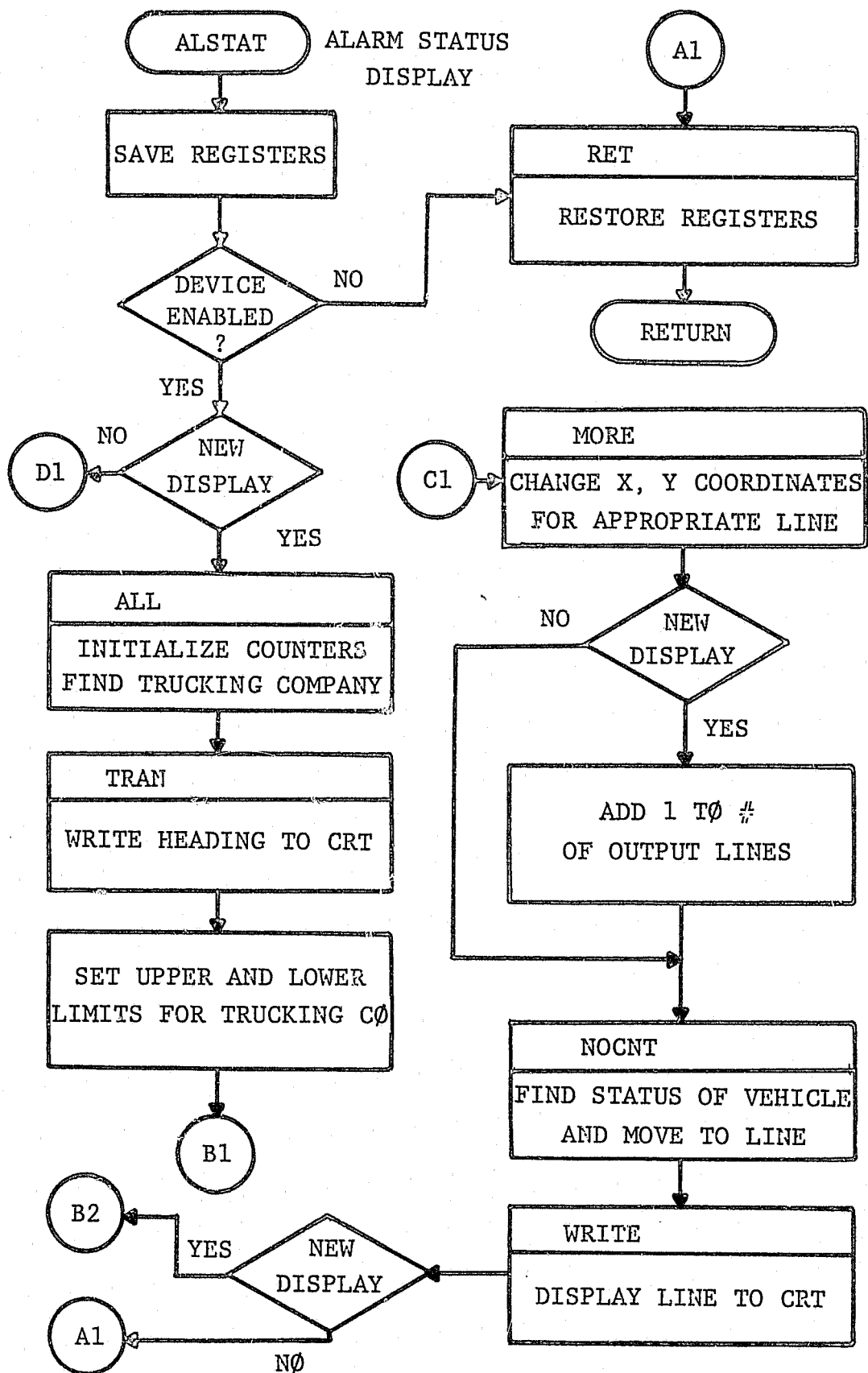
SOURCE:

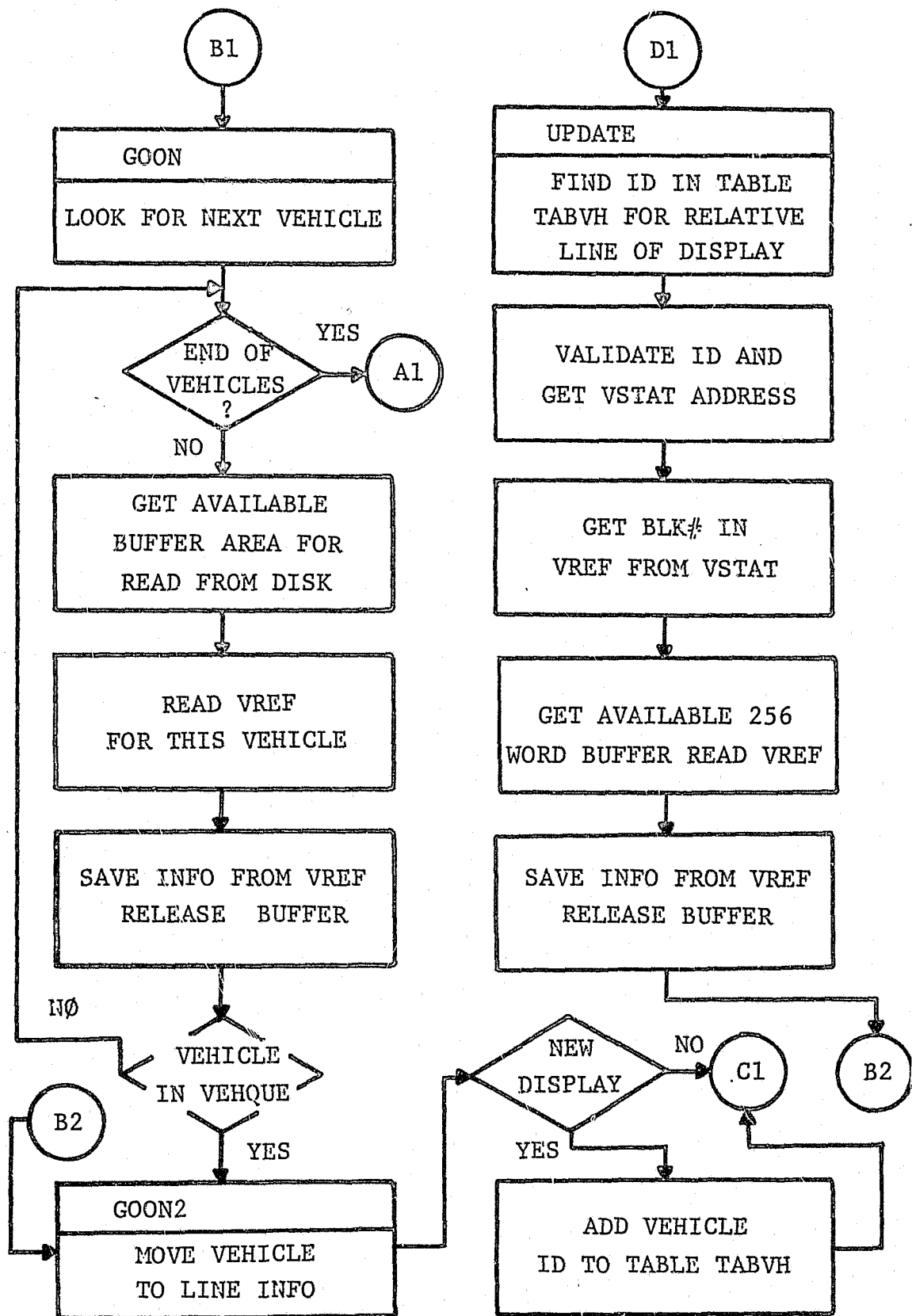
BSCTRL

OUTPUTS:

- 1) Alarm status display for the base station.
- 2) Alarm status update for the base station.

ALSTAT





RTSTAT

FUNCTIONAL DESCRIPTION:

The route status display will display all the vehicles for a trucking company showing their location and status. It will either write a full display if a new one is requested, or it will update an existing line of the display.

OPERATIONAL DESCRIPTION:

This display is called by BSCTRL when a request for the display has been made, or when a location update comes in for a vehicle currently shown on a display. Information for the display is taken from the PDTCL Table. The program determines if a new display has been requested or if an update has been requested then the VREF File is searched for the records for the requested trucking company. For each vehicle the VEHQUE is tested to see if the vehicle is on-line, if it is not then the next VREF record is obtained. The VSTAT file is then found for this vehicle and the status displayed from it. The street records are found and displayed from the STFILE. This process is continued until all vehicles for the company requested have been exhausted. The program then returns to the calling program. If an update has been requested, then the relative line number on the display for the requested update is calculated, and the line is updated with the new location or status of the vehicle.

INPUTS:

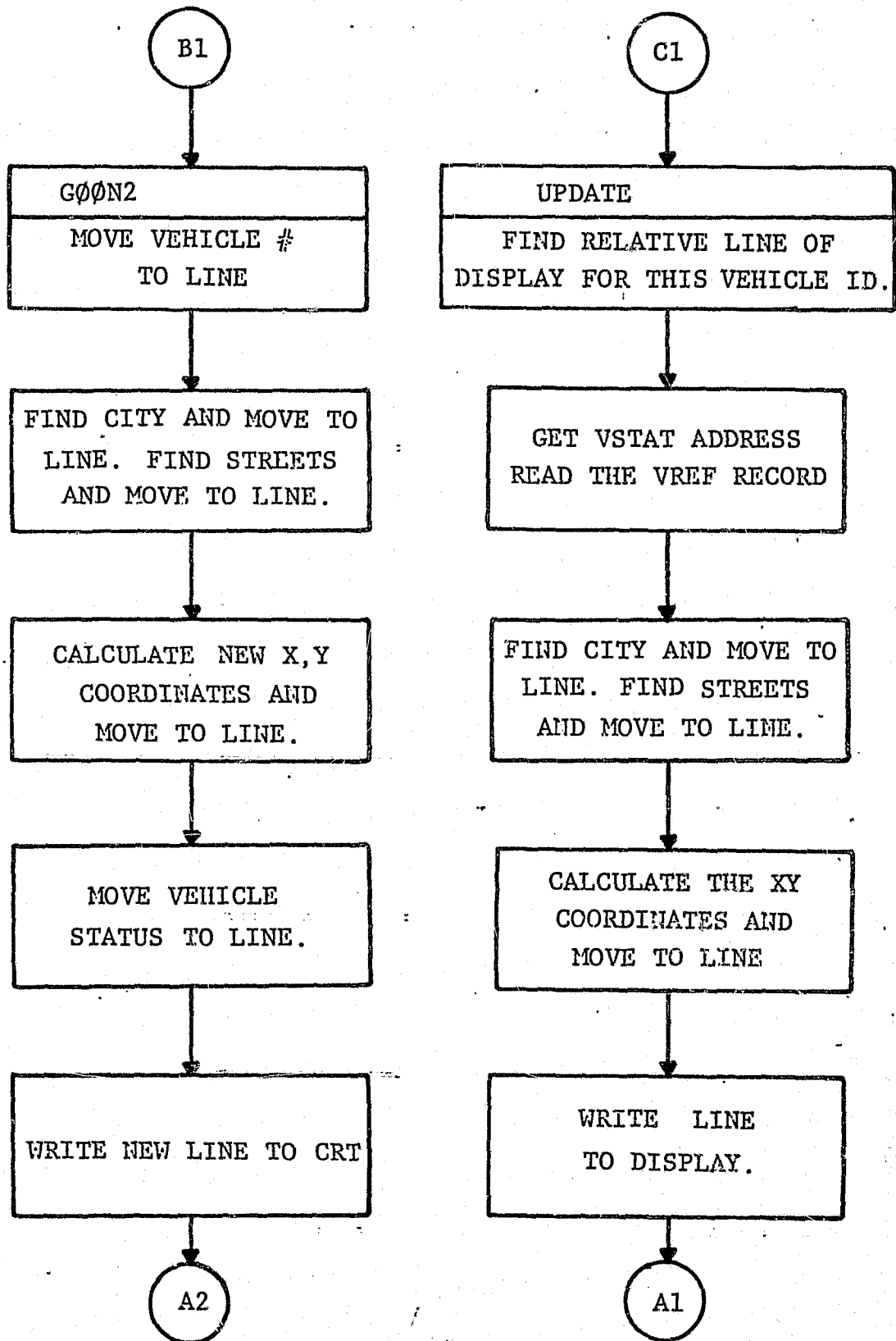
PDTCL - Physical device Table for CL

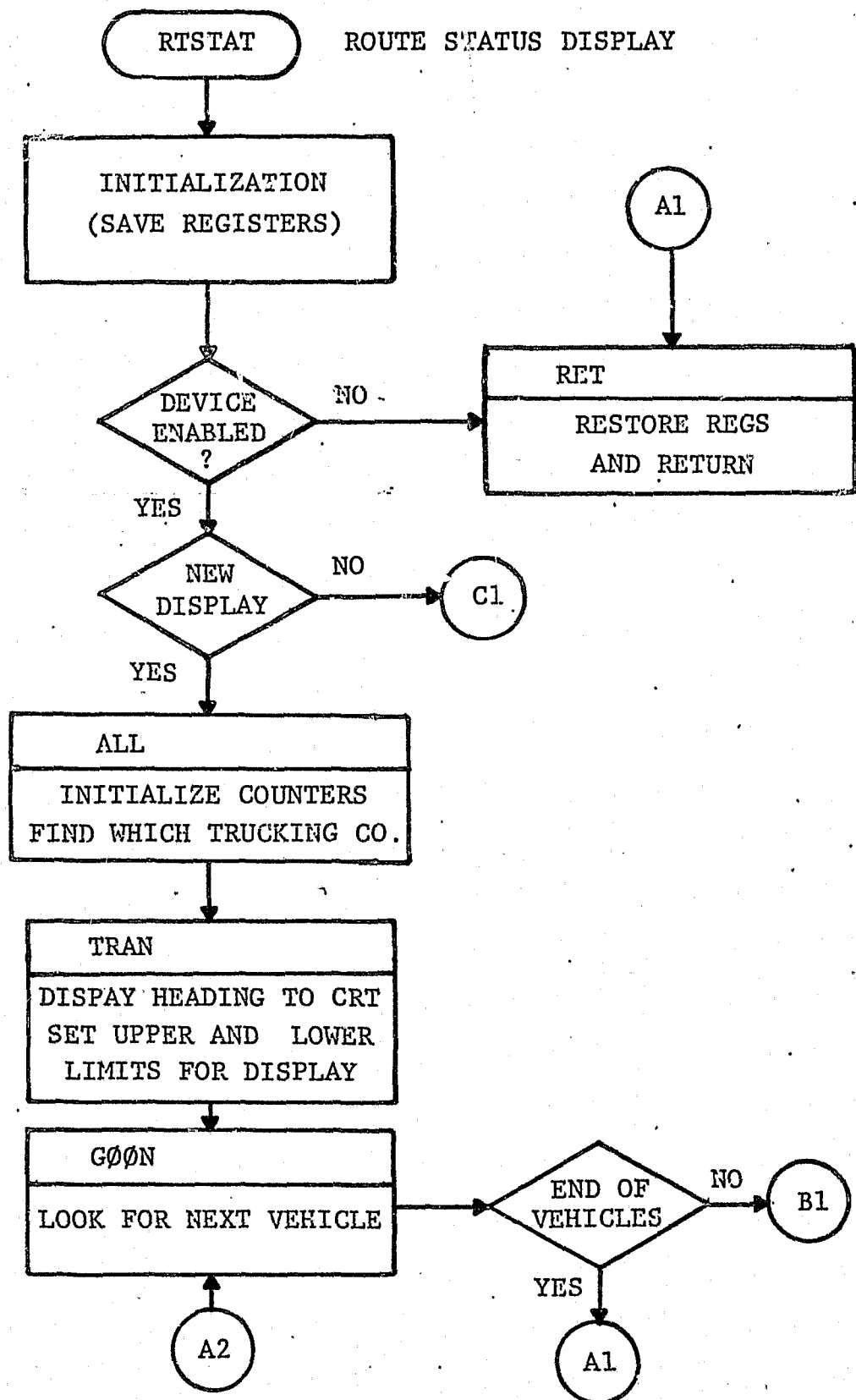
SOURCE: BSCTRL

OUTPUTS: 1) Route status display
for the base station.

2) Route status update for the base station.

RTSTAT





TYEDIP

FUNCTIONAL DESCRIPTION:

This is the control console edit processor overlay module. This routine edits the commands from the control console and sets up the appropriate physical device table and the appropriate flag for scheduling the command requested.

OPERATIONAL DESCRIPTION:

This routine uses a table driven subroutine to validate and process the input.

TYEDIP

SUBPROCESSES CONTAINED IN THIS MODULE

SUBPROCESS	ASSOC. PARM(S)	ASSUMED INPUTS	OUTPUTS	DEFINITION
SUB01	LL,ADR,UL		Result	Limit Test (LL.LE.N .GE. UL)
SUB02	Input Address		Result	Test for Valid Date and update system date
SUB03	SCR ADDR,OFFSET, #Chars. Best ADDR		Result	Decimal ASCII to Binary
SUB13		RETADR Table	Address	Unconditional Return to Previous Table
SUB14	SCR ADDR, Offset Best ADDR, Offset # Chars.			Move Data (Bytes)
SUB16	ADDR of Best ADDR, Offset, Value			Indirect Set to Value
SUB17	Value	VID	BSRQST	Set up BSRQST
SUB18	Offset in Input	Input	Result	Test for Valid BS Device
SUB19	Offset, Value	Input	Result	Test Char. in Input = Value
SUB21	Offset	Input	YY,VID, Result	Move & Convert Vehicle ID from Input
SUB22	Offset	Input	T,TCO, Result	Move & Convert Trucking Company from Input
SUB24	SRC ADDR, Best ADDR, #Chars.		Result	ASCII to RADIX
SUB47		Device		Enable Device

TYEDIP CONTINUED

SUBPROCESSES CONTAINED IN THIS MODULE

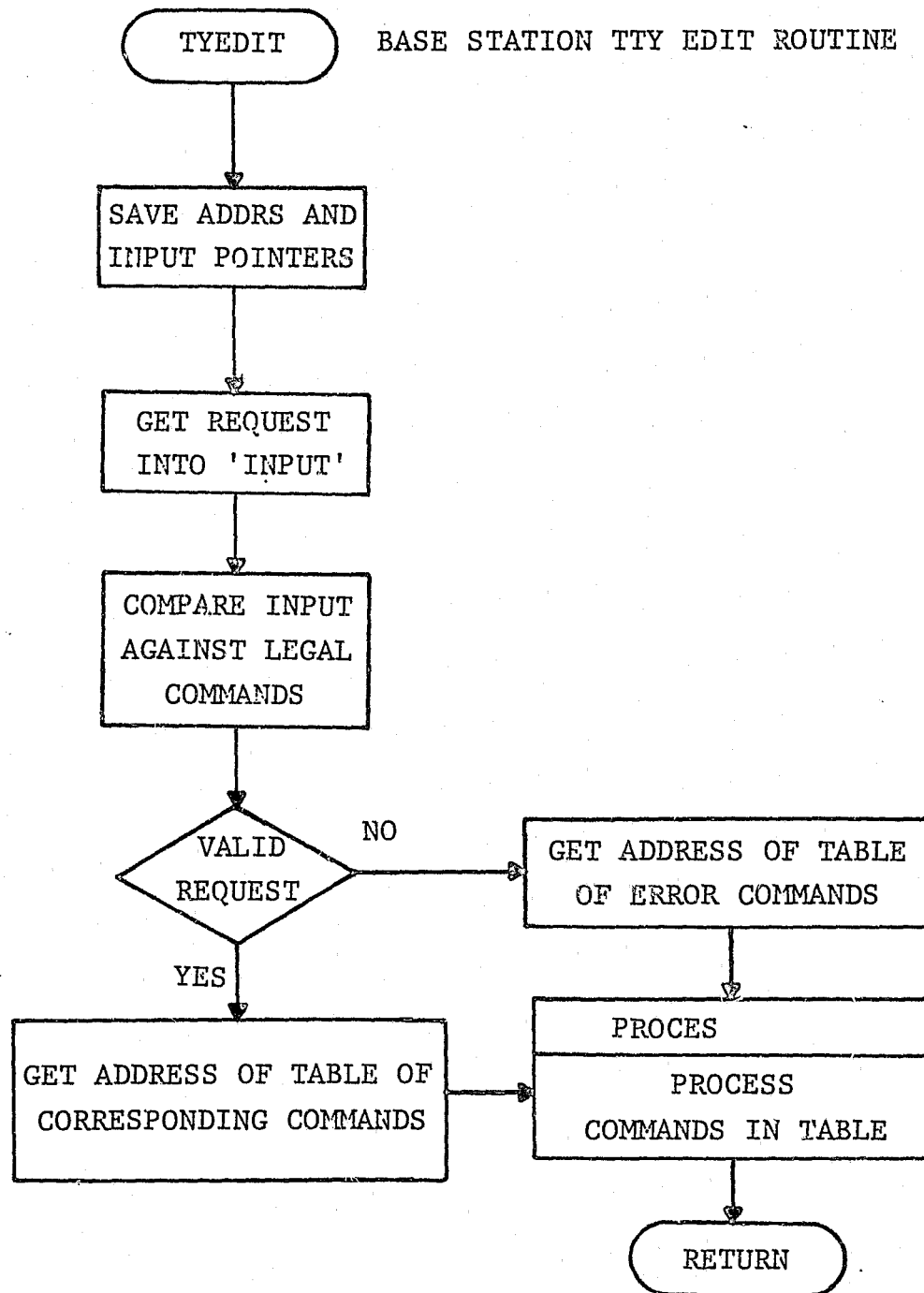
SUBPROCESS	ASSOC.PARM(S)	ASSUMED INPUTS	OUTPUTS	DEFINITION
SUB48		Device		Disable Device
SUB49	Input ADDR		Result	Test for Valid Time-Updates SYS time
S100		VID	Result	Test OLVIDL 64
S102		VID	Result	Test VID Active in VEHQUE
S103		VID		Enter VID into VEHQUE
S104		VID		Delete VID from VEHQUE
S107		VVV,VID,VSTADR	Result	Test That VVV Coincides with VID using VSTADR entry in VSTAT
S108			VSTADR, Result	Test for unused Entry in VSTAT
S109		VSTADR,BLK,VID,TCO		Initialize Entry in VSTAT
S110		VSTADR		Delete Entry in VSTAT
S111		VVV,VID	Result, VREF,BLK	Test for VREF Entry on VVV Update with VID
S140	Password Table ADR	Input	Result	Test for Valid Password
S142		TYETAB,Address	TYETAB, Address	Update Polling Buffers

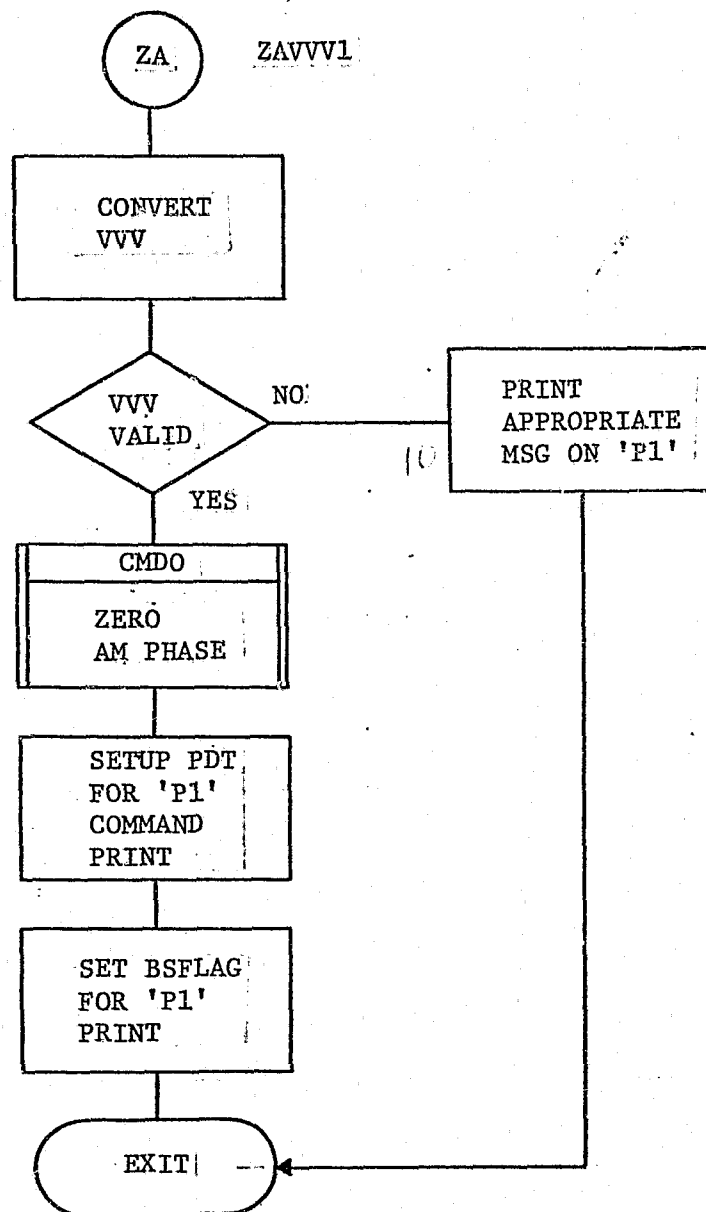
TYEDIP CONTINUED

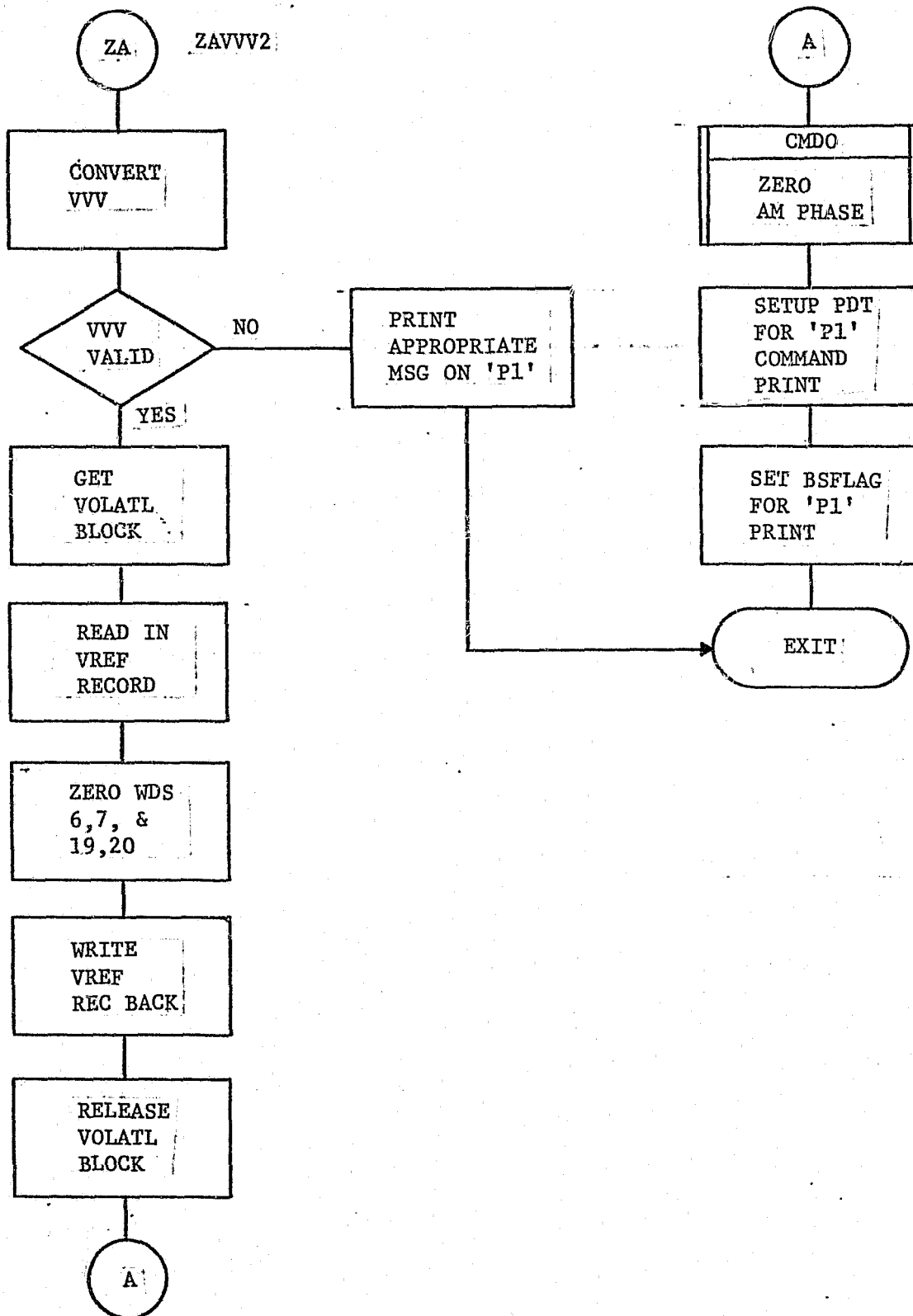
SUBPROCESSES CONTAINED IN THIS MODULE

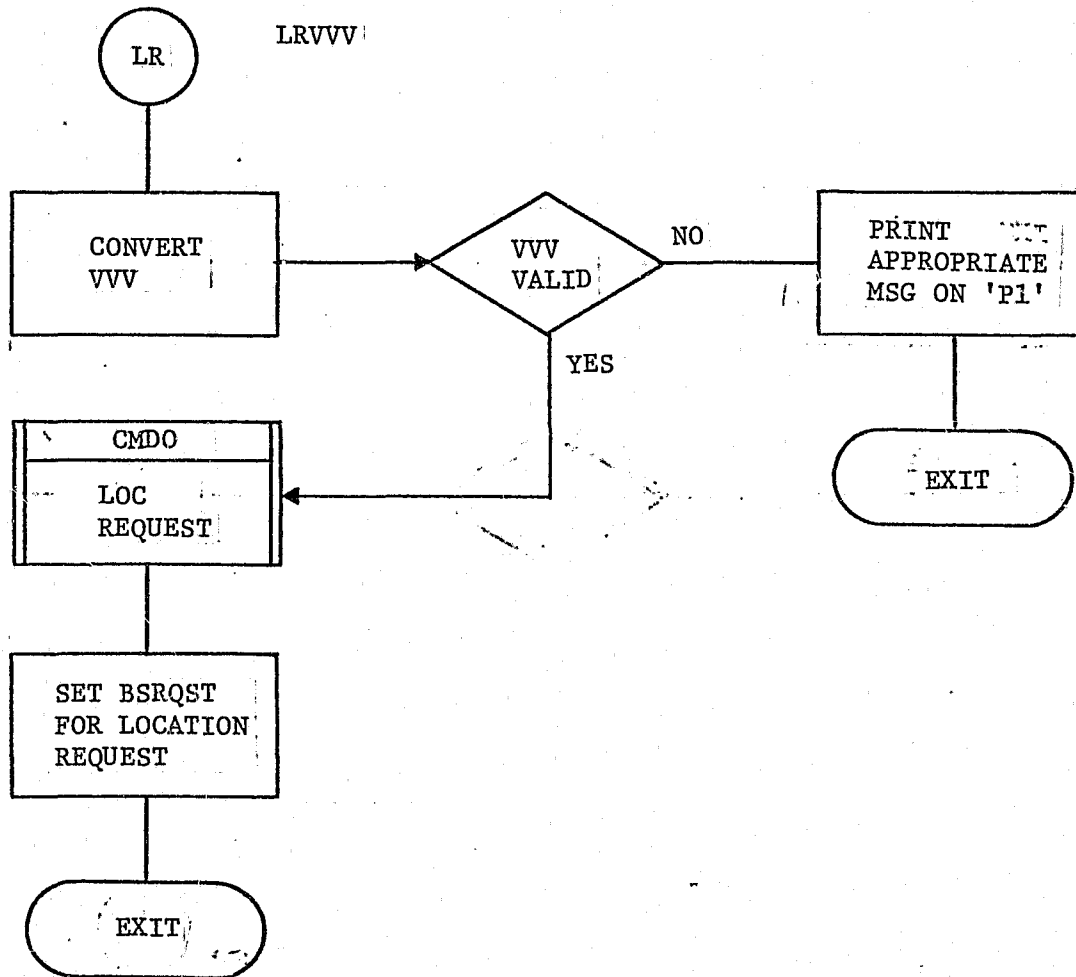
SUBPROCESS	ASSOC.PARM(S)	ASSUMED INPUTS	OUTPUTS	DEFINITION
S143		VSTADR	VSTAT	Set Zero Mileage Request Bit in VSTAT
S144	Best ADDR	VID	Best BUF, VSTAT	Move VID to Buffer & VSTAT
S145		VEHQUE	VSTABL	Write out VSTAT Data
S146		VSTABL	VEHQUE	Read in VSTAT Data
S147	Input	TTYBUF	SPDTFL	Modify Entry in SPSTFL
S148			DSCOMP, SCHED	Disable Vehicle Polling & Further Dispatch Station Processor to Log Data
S149	Input	VSTADR	Result	Test for Mode and Yard Entry/Exit

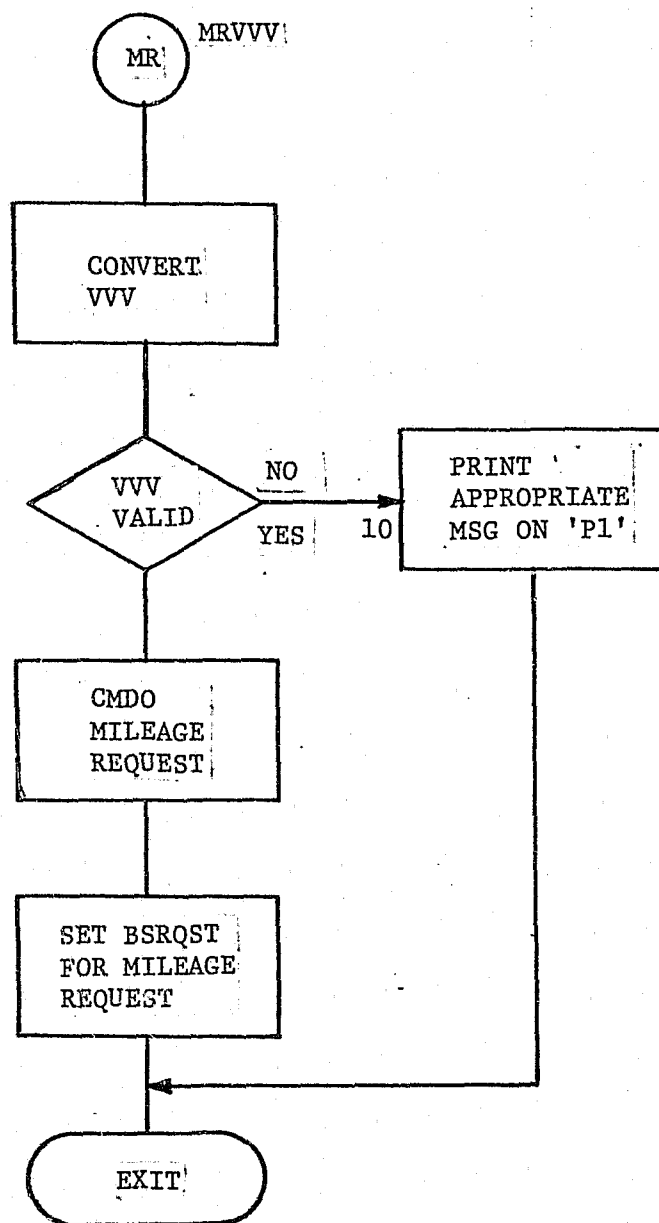
T Y E D I P



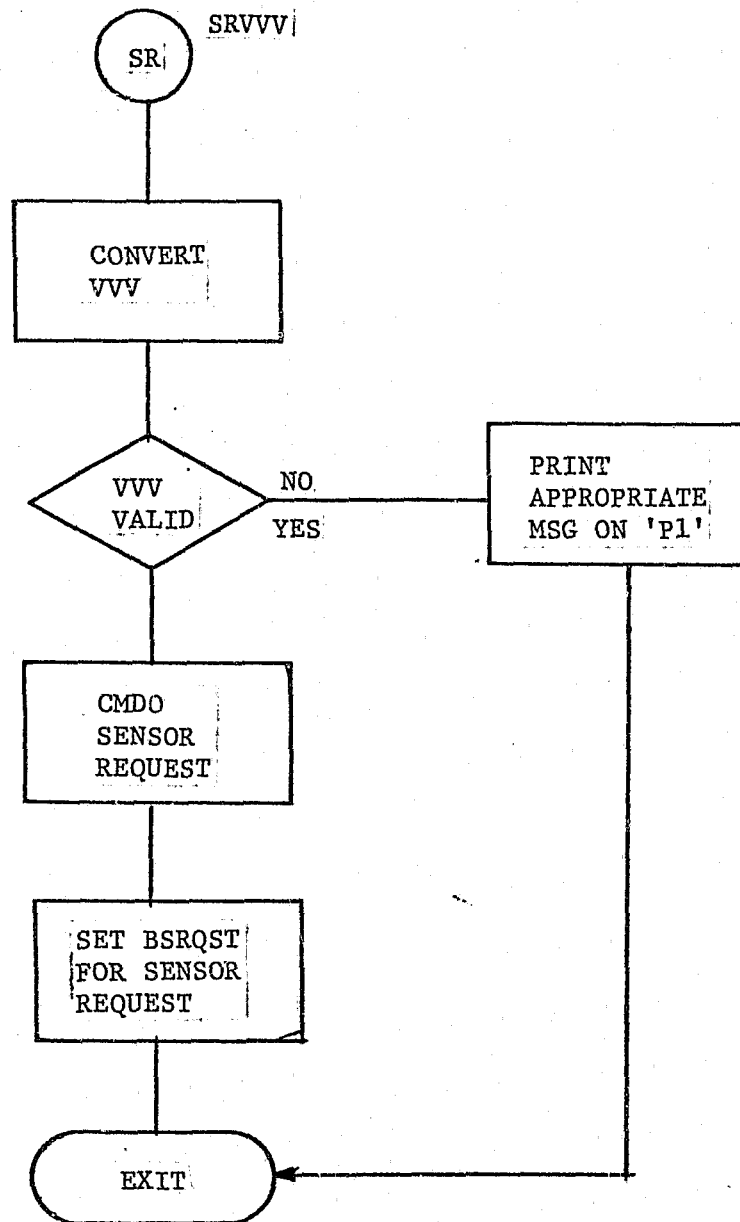


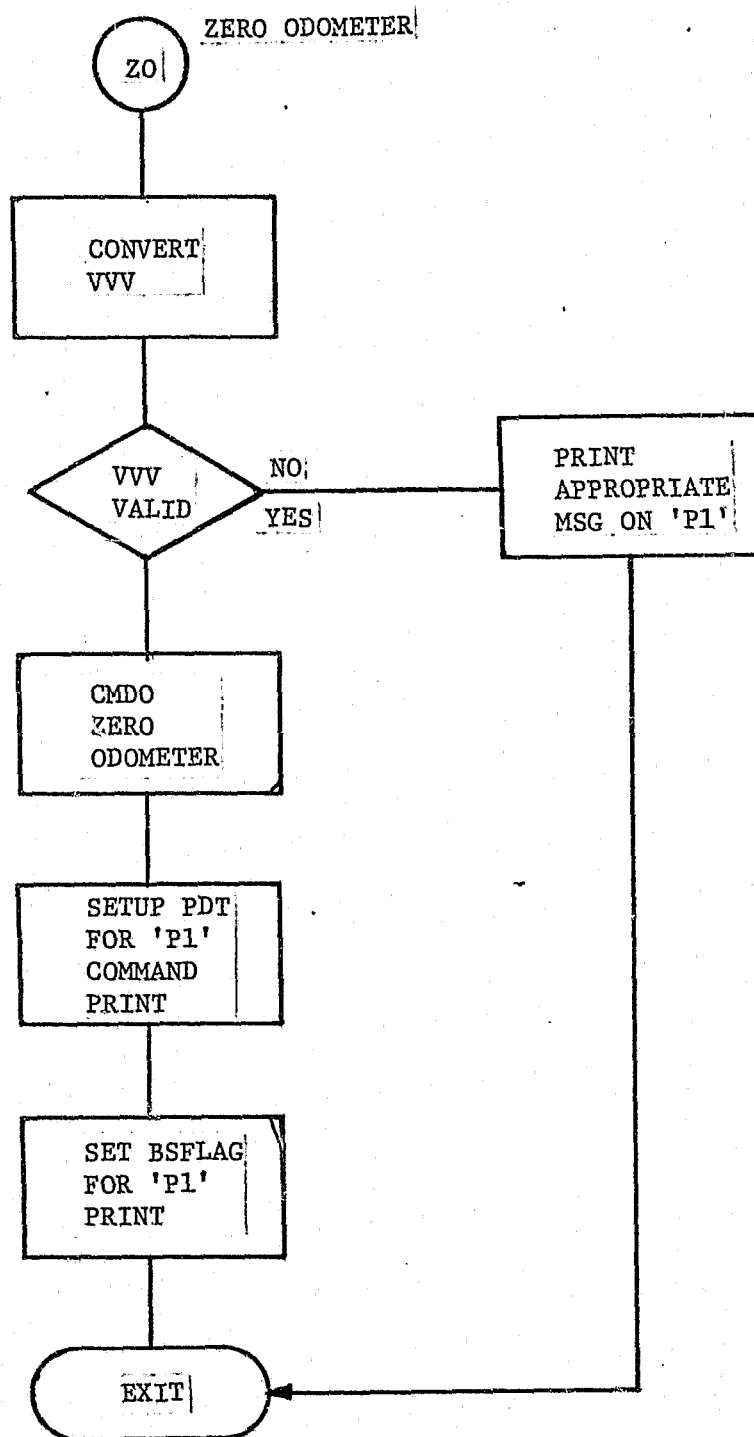


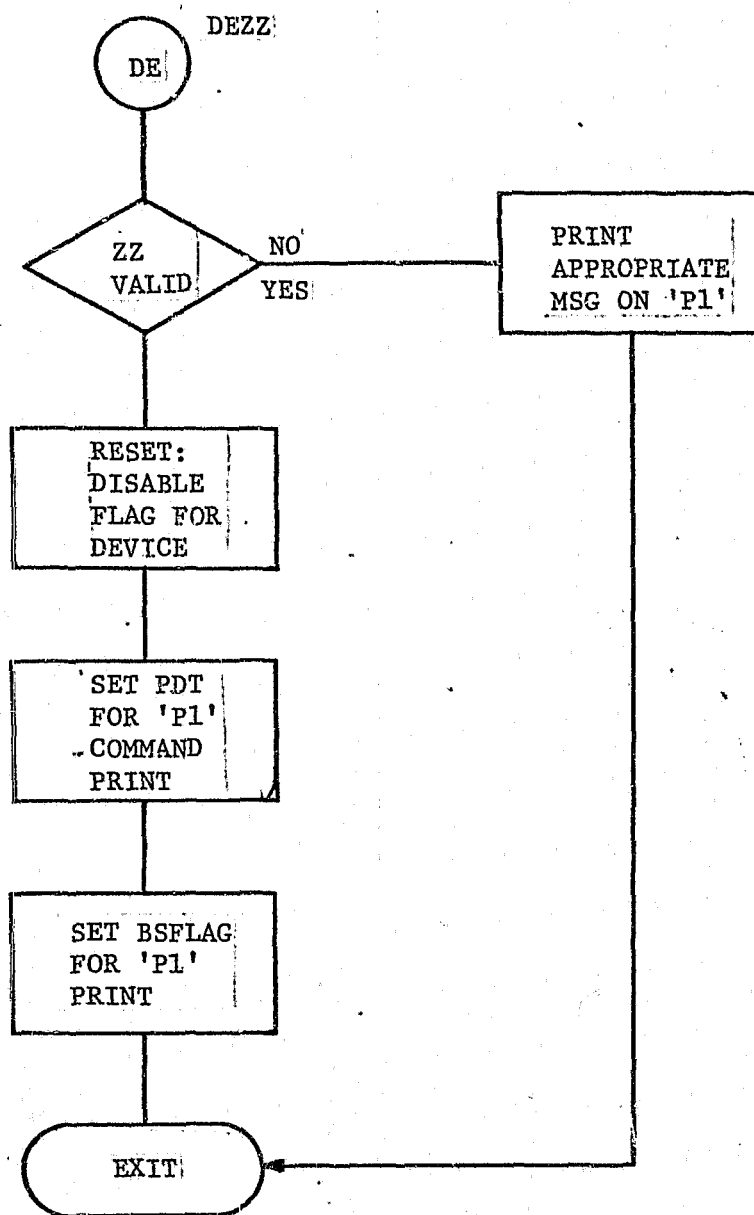


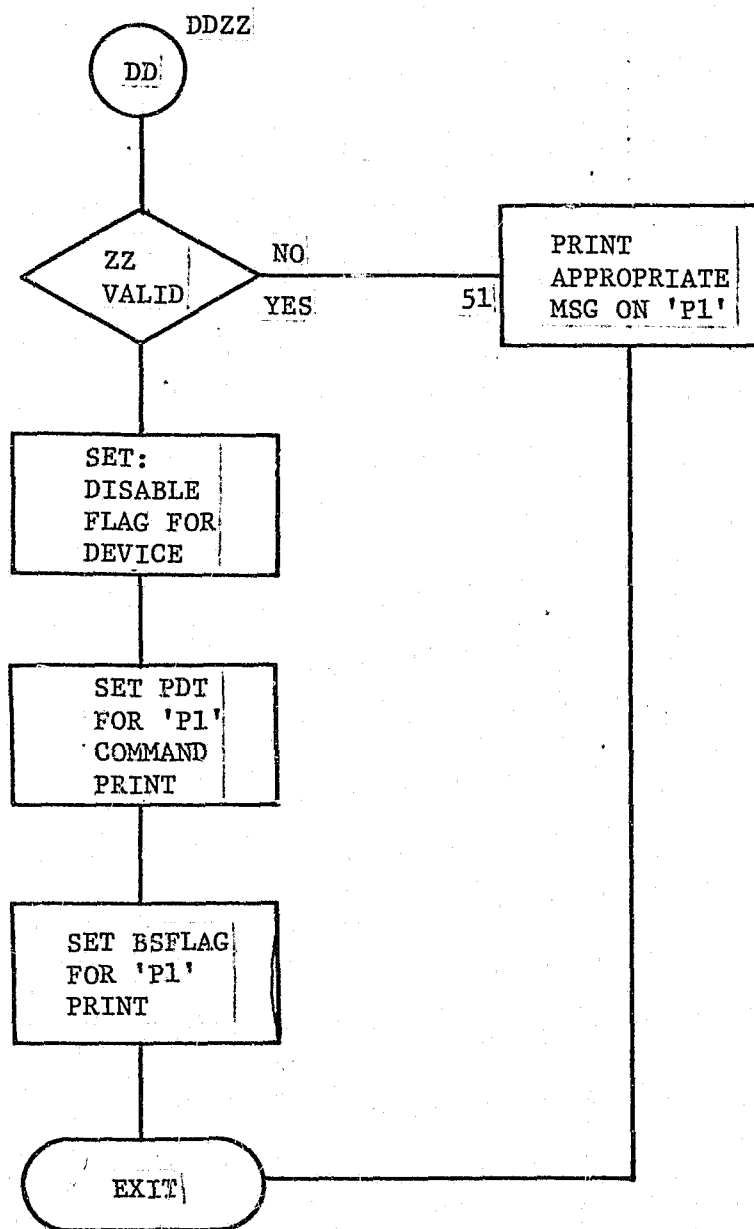


TYEDIT |

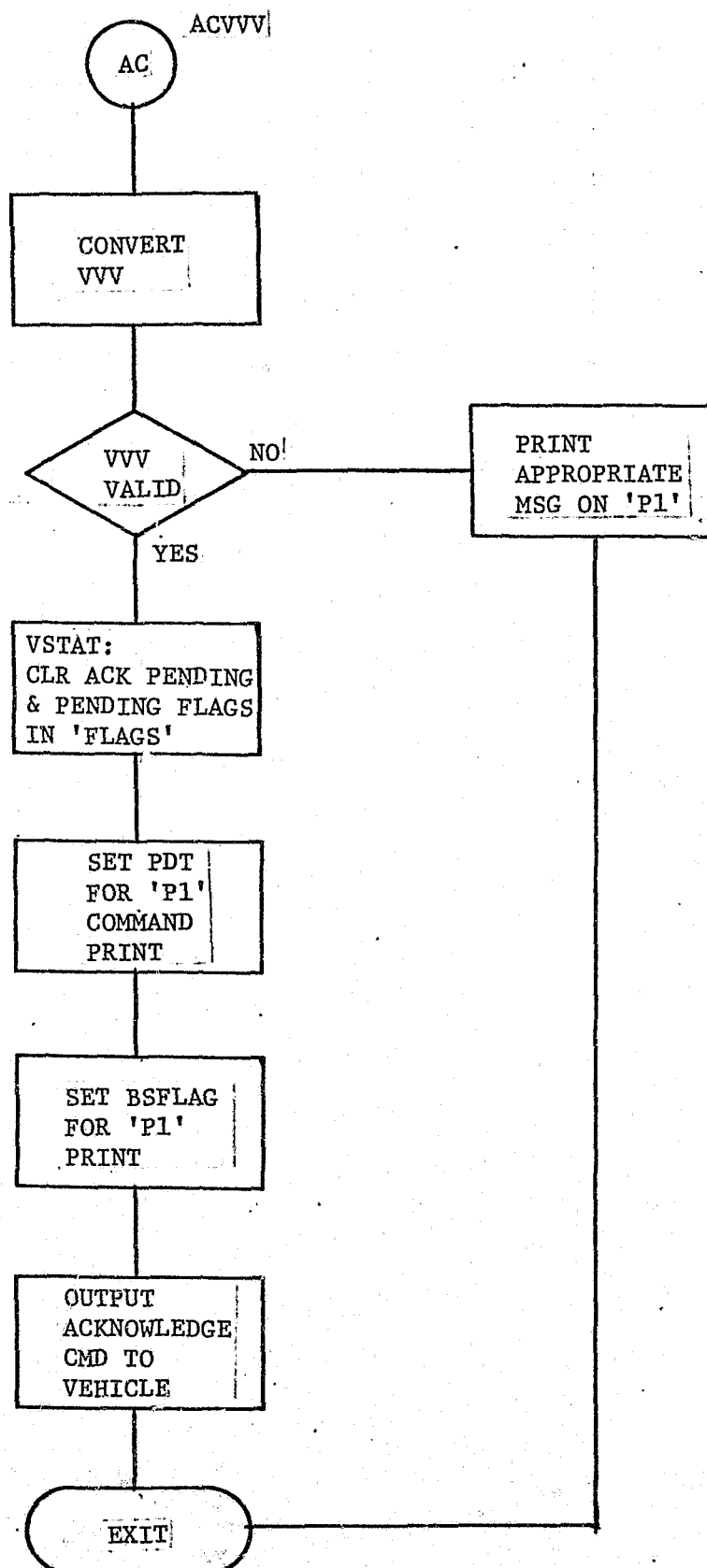




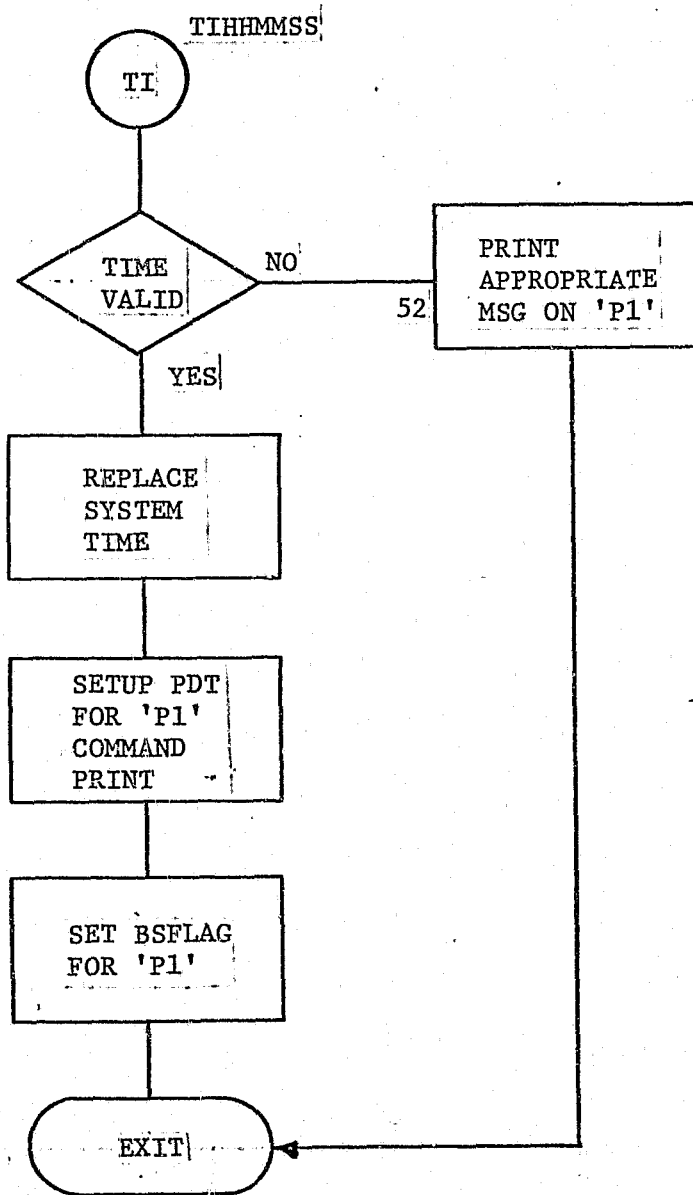


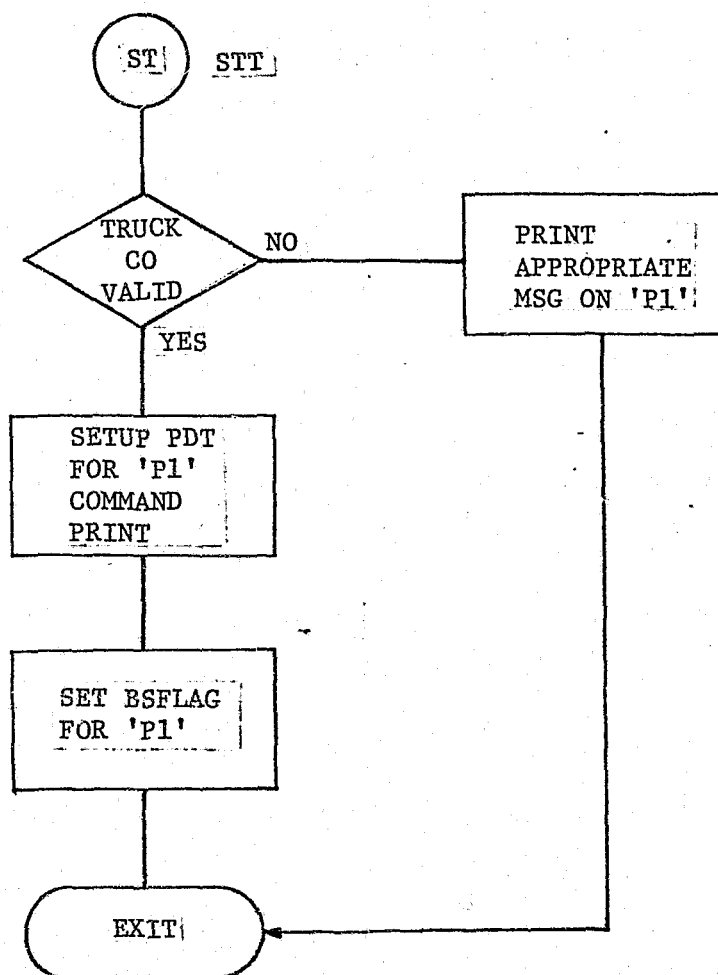


TYEDIT

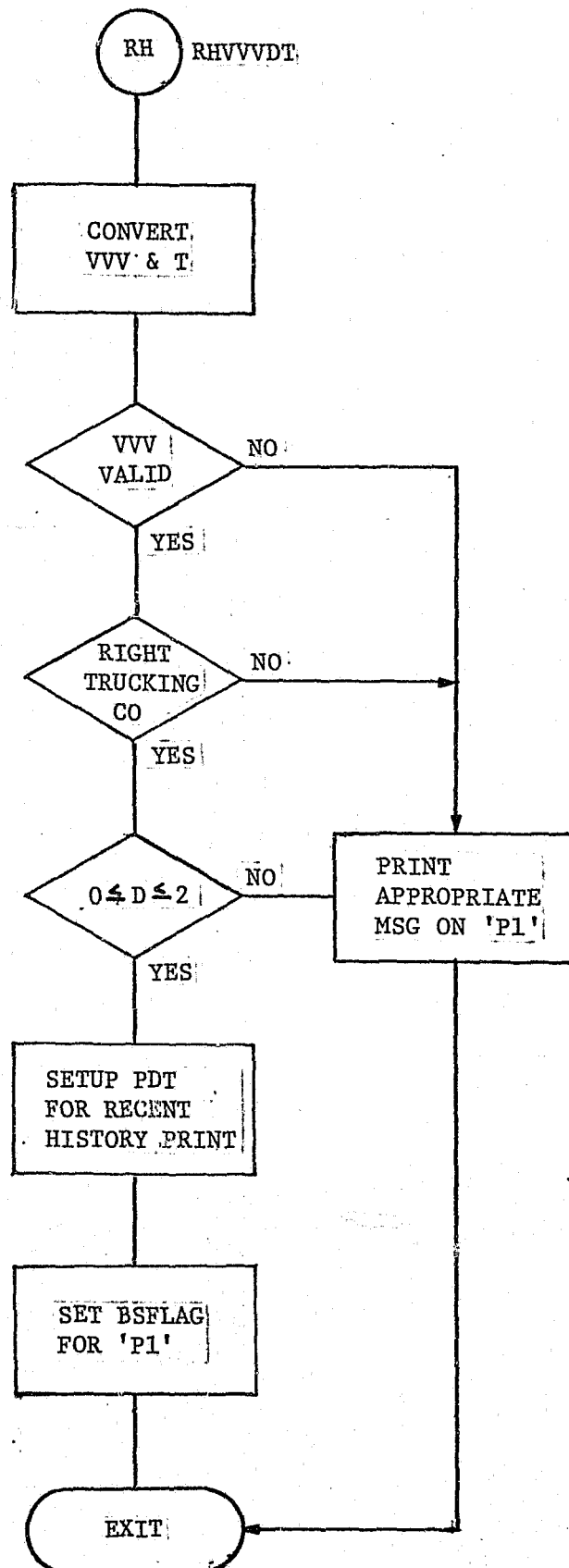


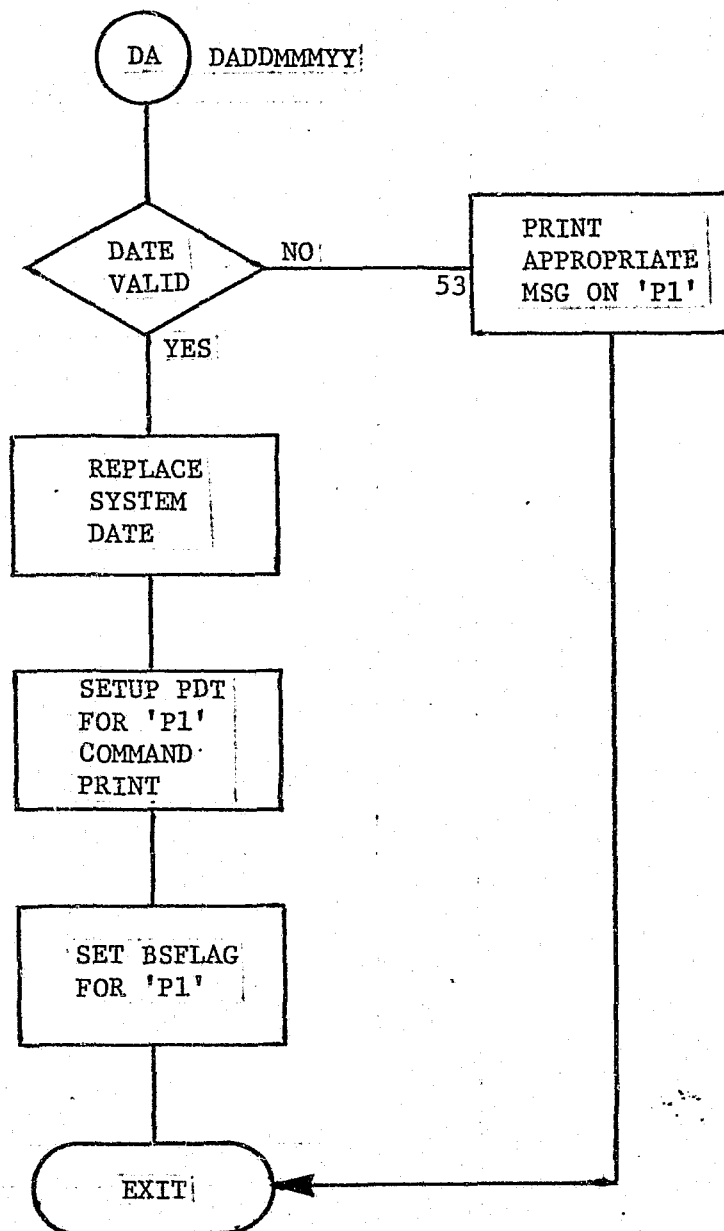
TYEDIT



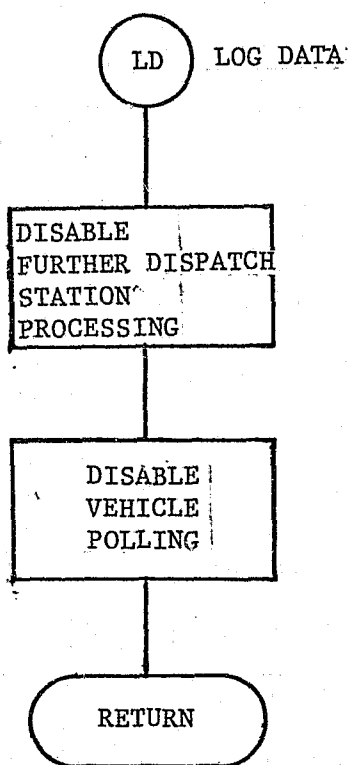


TYEDIT





TYEDIT



KBEDIT

FUNCTIONAL DESCRIPTION:

This routine edits the commands from the status console and sets up the appropriate physical device table and the appropriate flags for scheduling the command requested.

OPERATIONAL DESCRIPTION:

This routine uses a table driven subroutine to process the input commands.

KBEDIT

SUBPROCESSES IN THIS MODULE

SUBPROCESS	DEFINITION
SUB04	OCTAL ASCII to Binary
SUB05	Setup BS CMD
SUB08	Transfer to Another Table if Answer = 0
SUB09	Transfer to Another Table if Answer ≠ 0
SUB11	Set Answer = Result
SUB17	Setup BSRQST
SUB19	Test Char. in "Input"=Value
SUB22	Move and Convert Trucking Co. ASCII to Binary
SUB23	Move and Convert Sensor II to Binary
SUB28	Test For Bit Set
SUB32	Get VID, TCO, and VSTADR from PDT
SUB52	Test for Display Mode = 1 or 4
SUB54	Test for Display Mode = 3 or 6
SUB70	Print 'Input' on Printer
S101	Test O.LE. Sensor .LE. 7
S114	Test for ACK Pending
S116	Test Sensor Status using 'Sensor' & VREF
S117	Setup Sensor Enable/Disable
S119	Setup Ramload
S122	Set Trucking Company
S129	Test for Display Mode = F3 or F6 & TCO
S132	Decrement Alarm Bell Counter
S134	Set Sensor Field in BS Control Word 2

KBEDIT CONTINUED

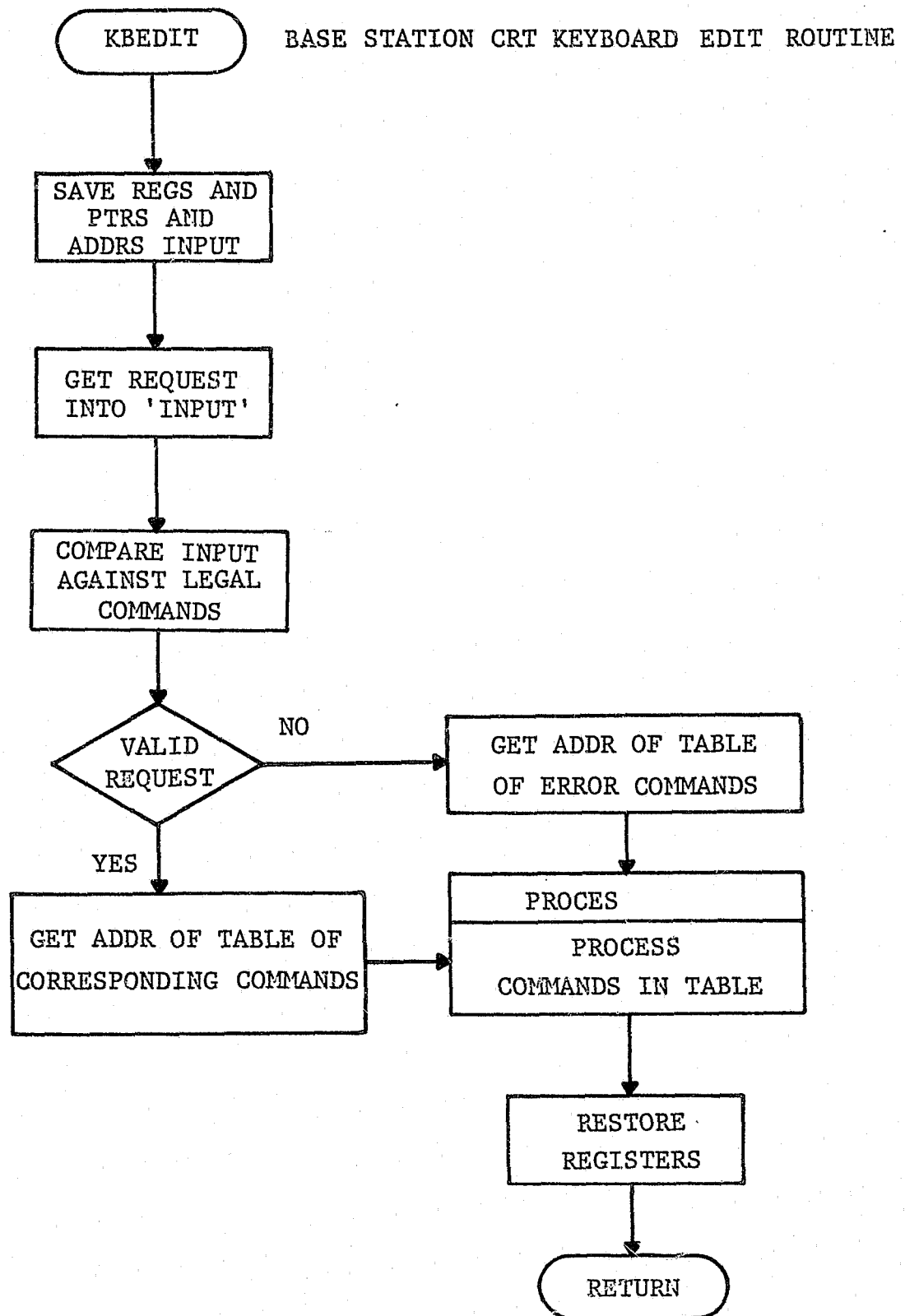
S140

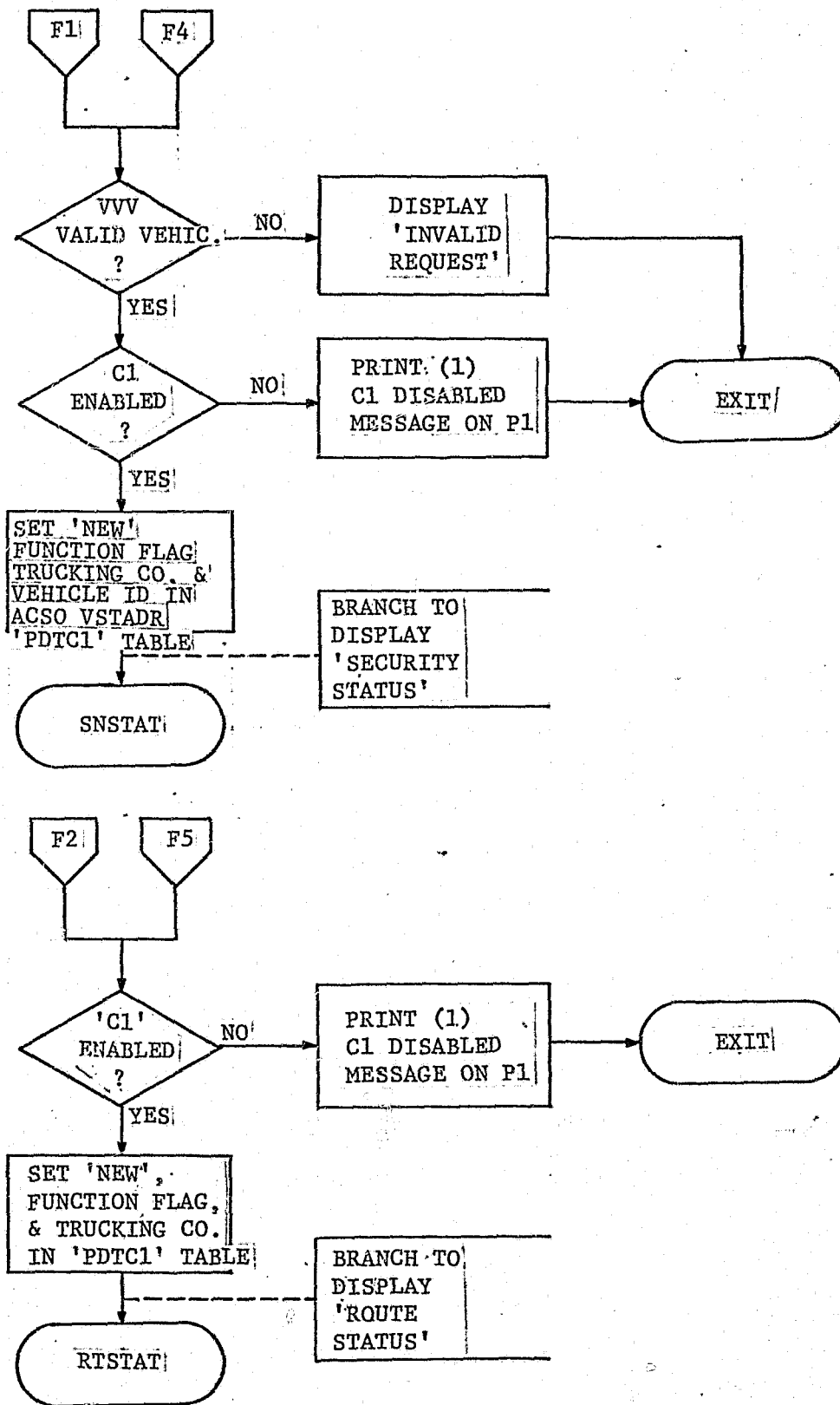
Test Password in Input +2

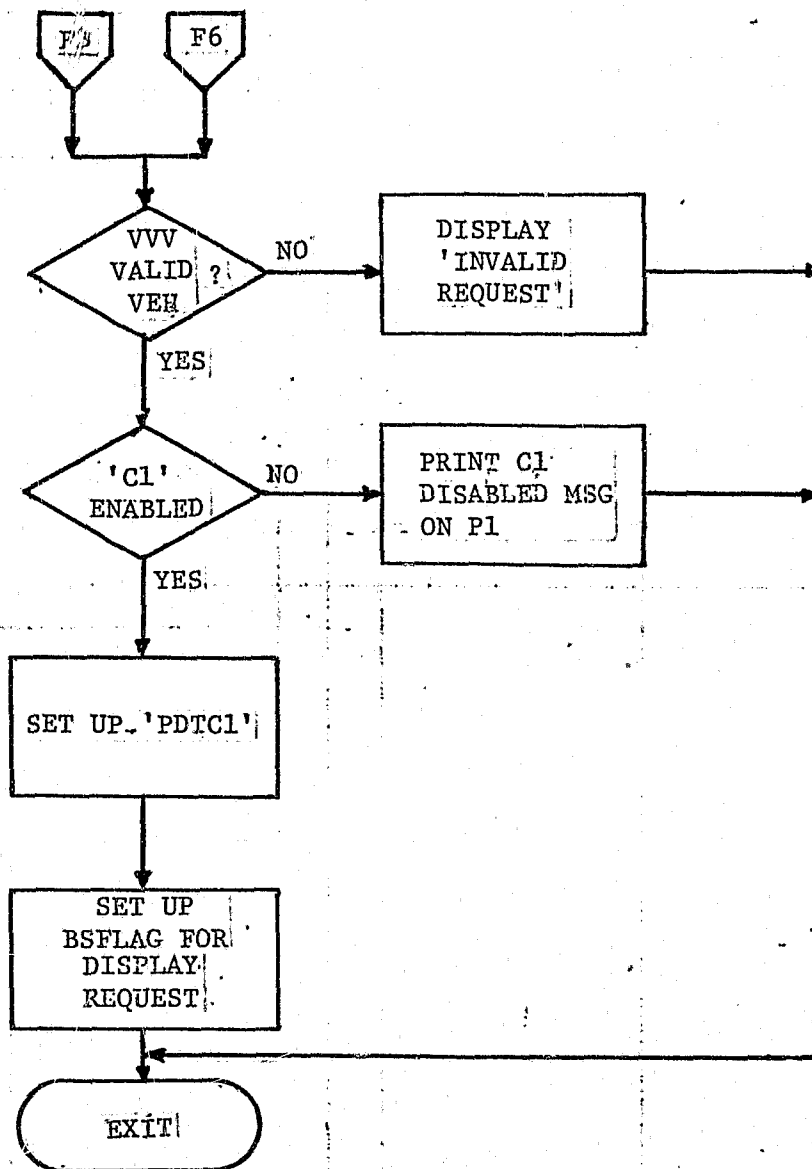
S142

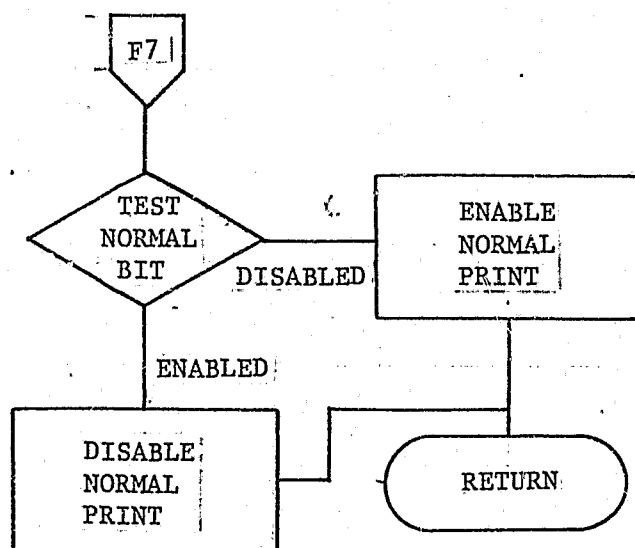
Update Polling Buffers

K B E D I T

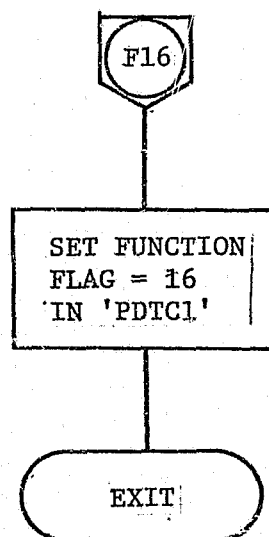
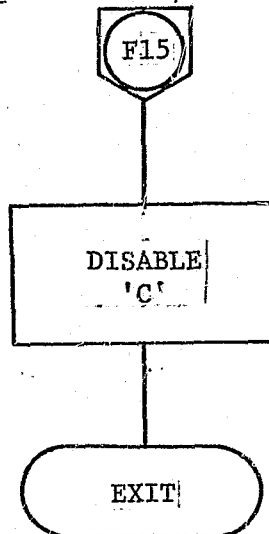


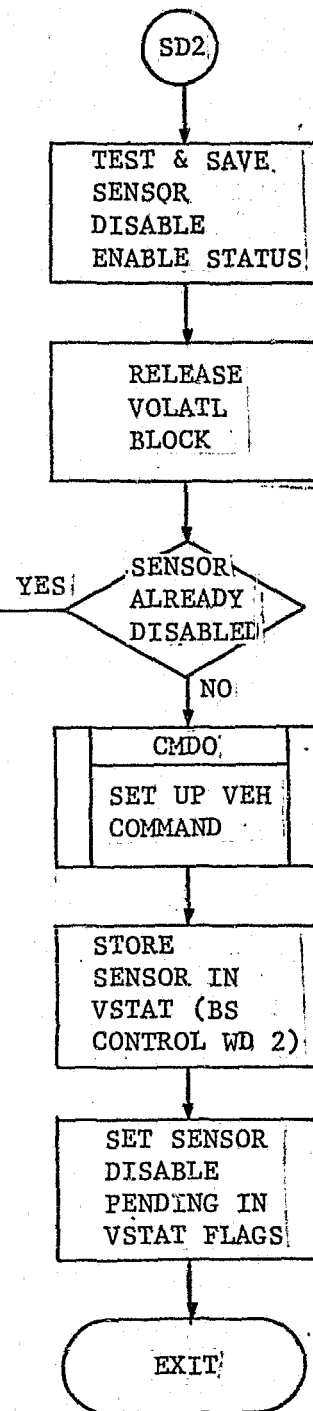
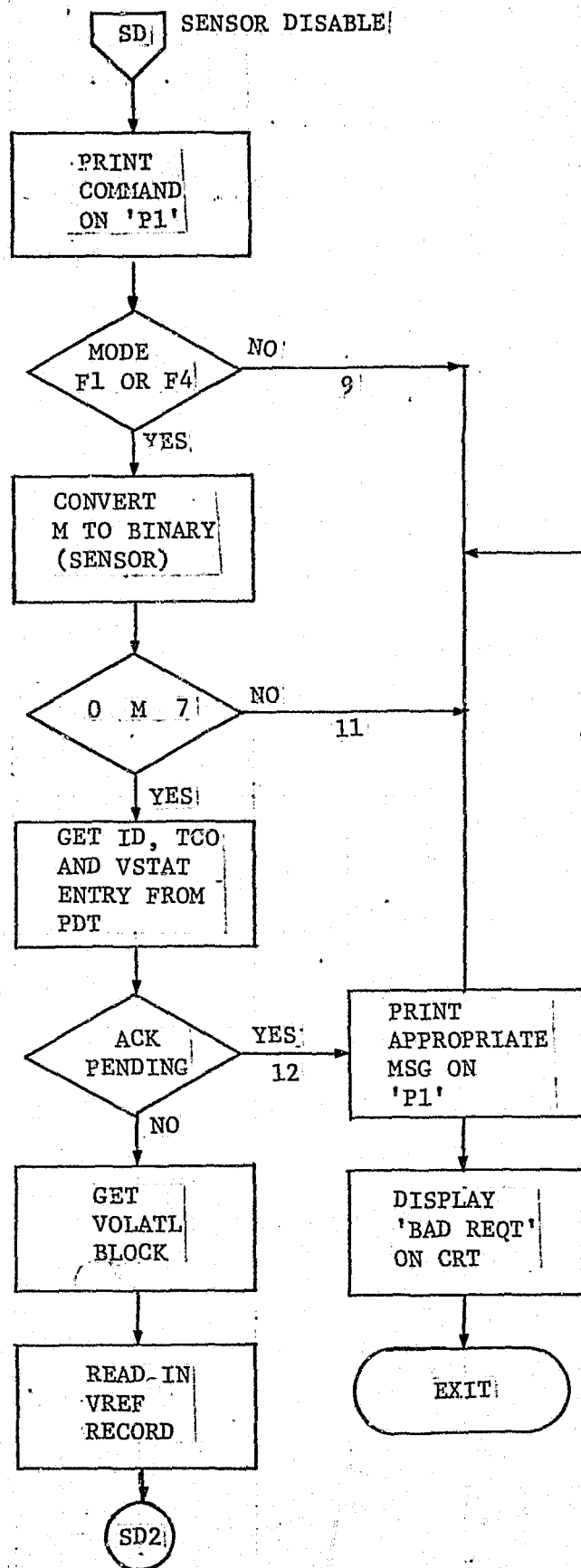




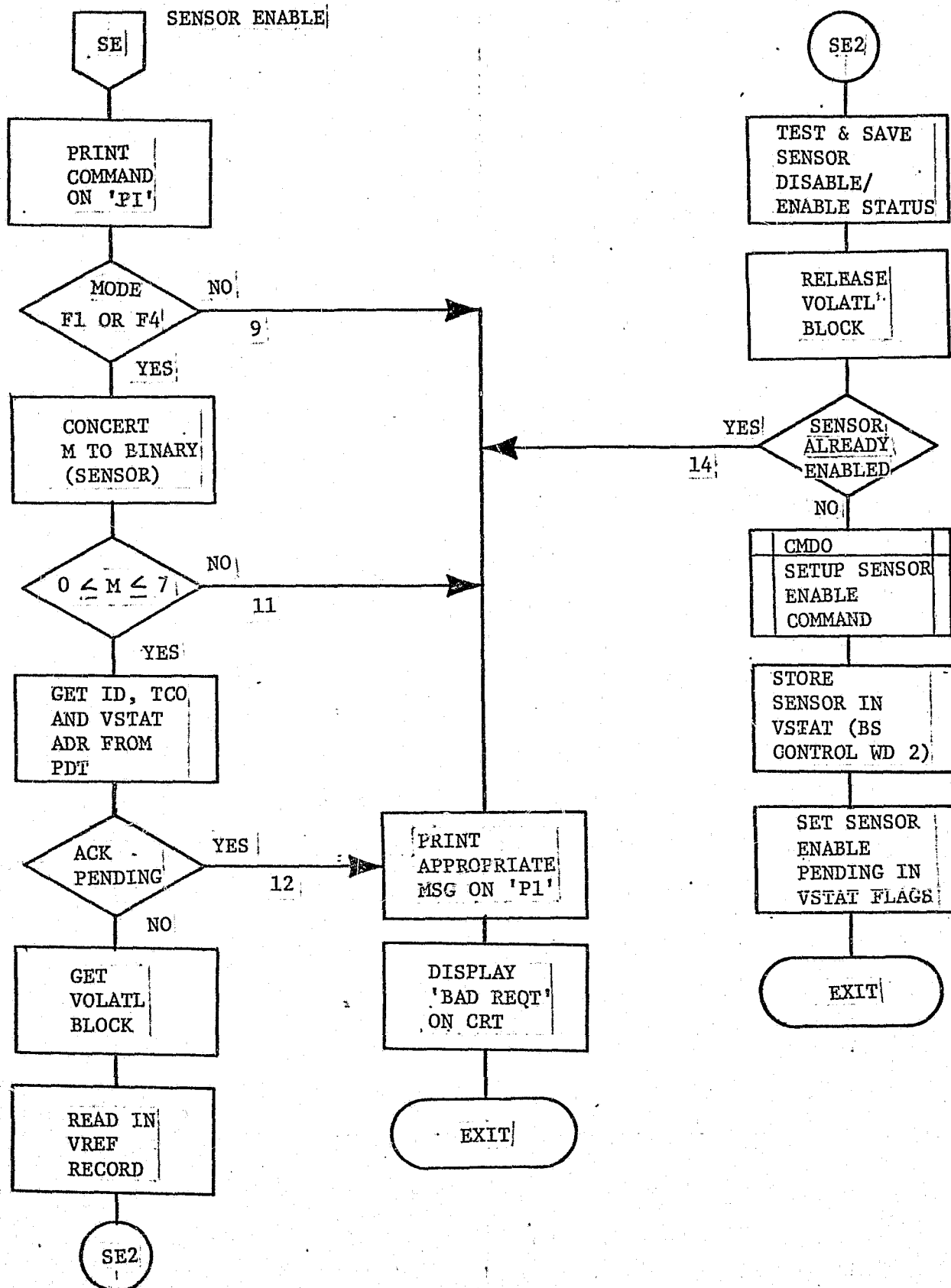


KBEDIT

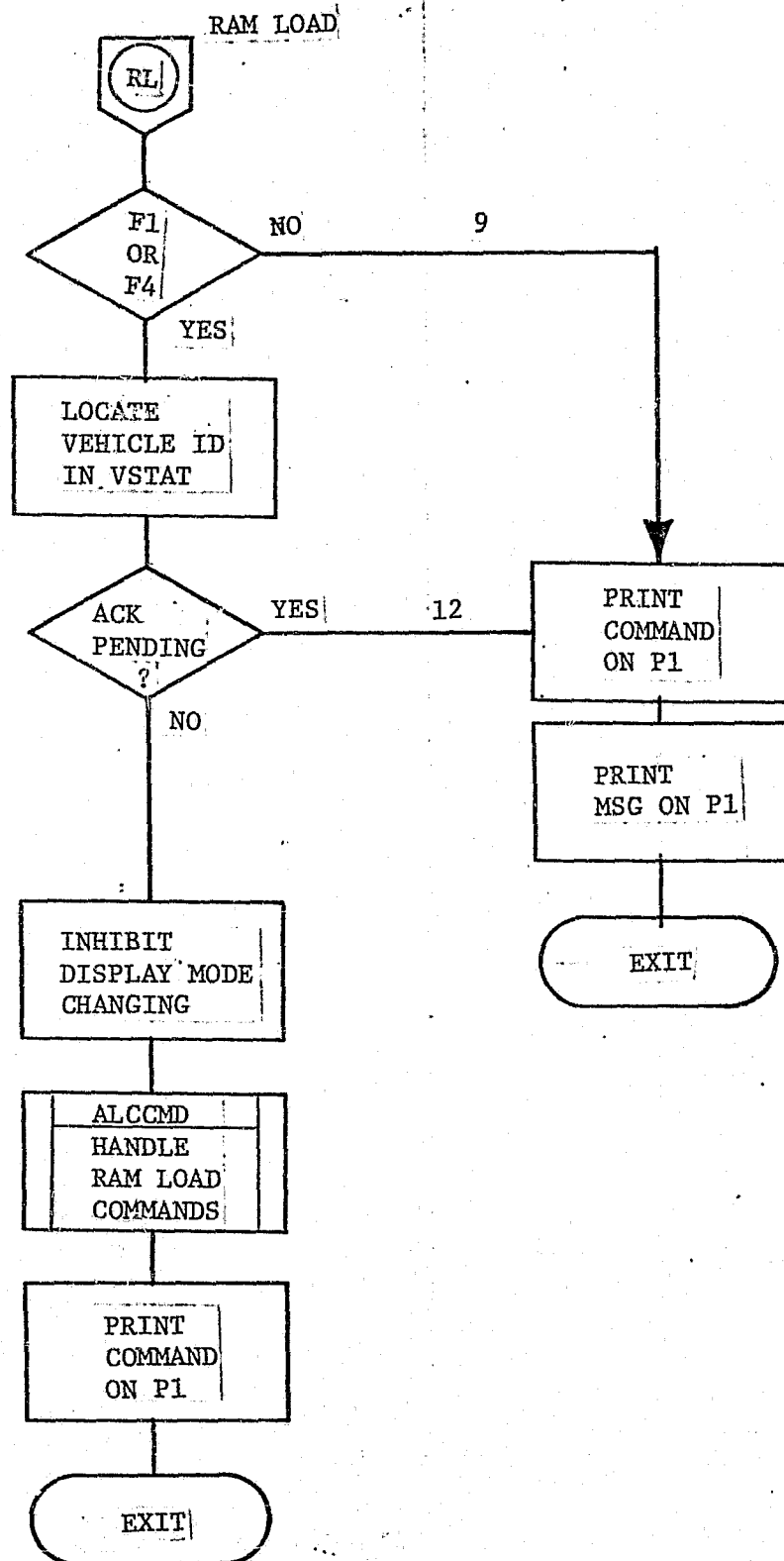


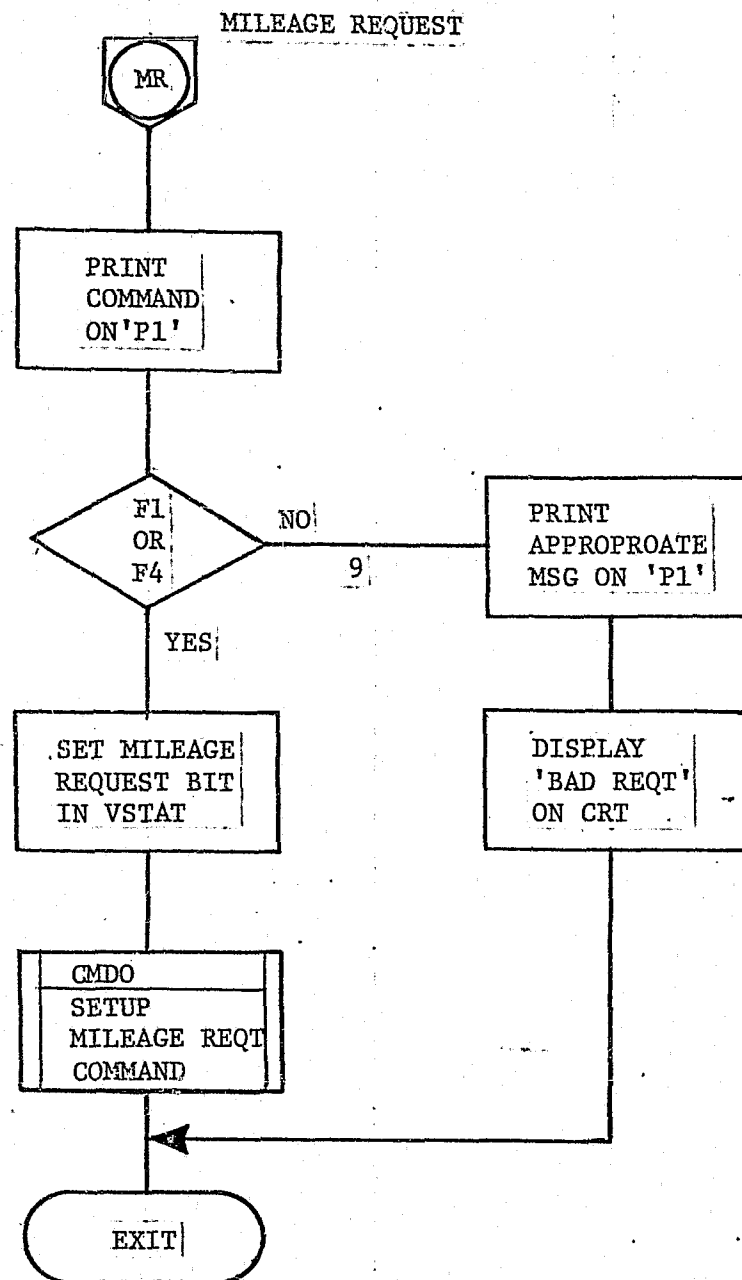


KBEDIT

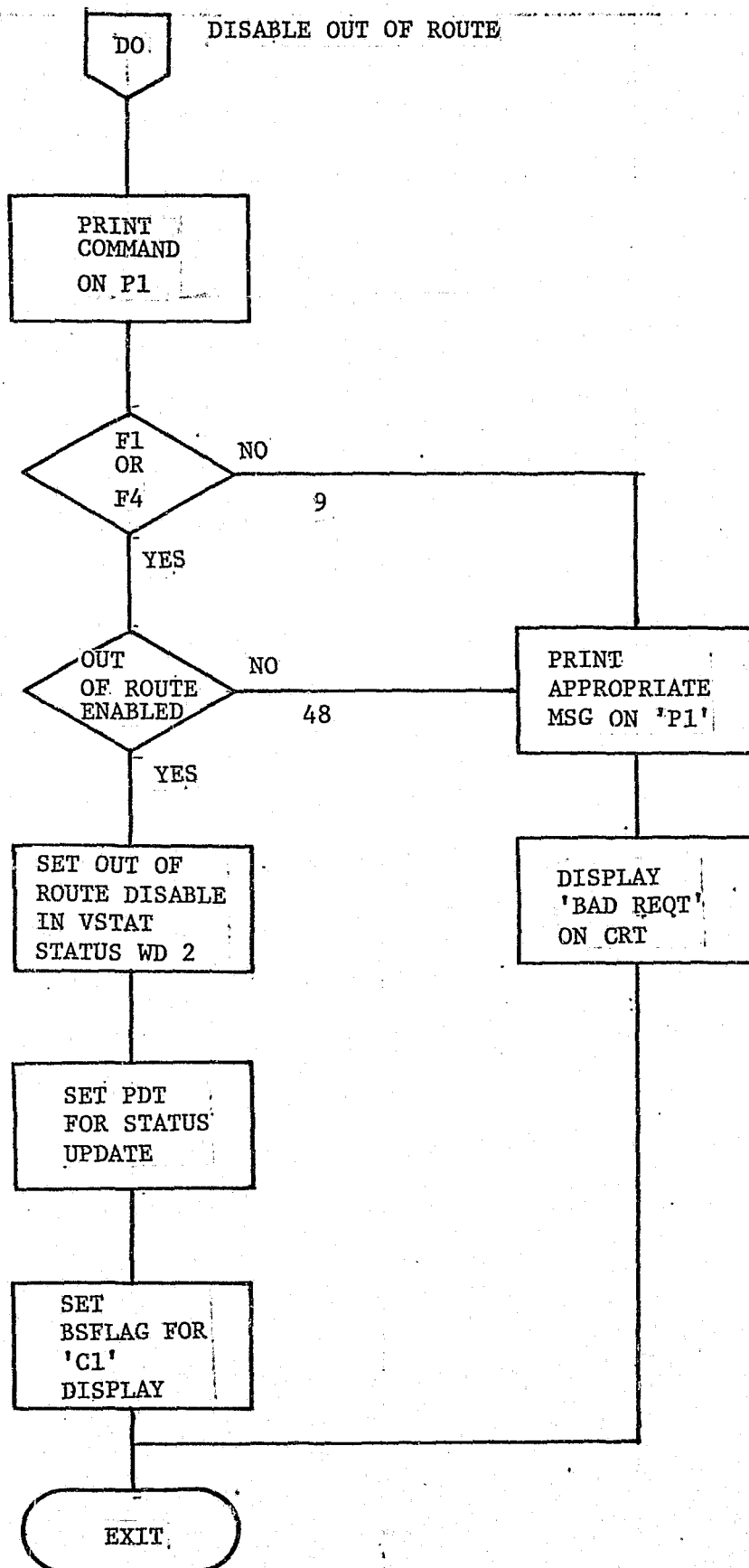


KBEDIT





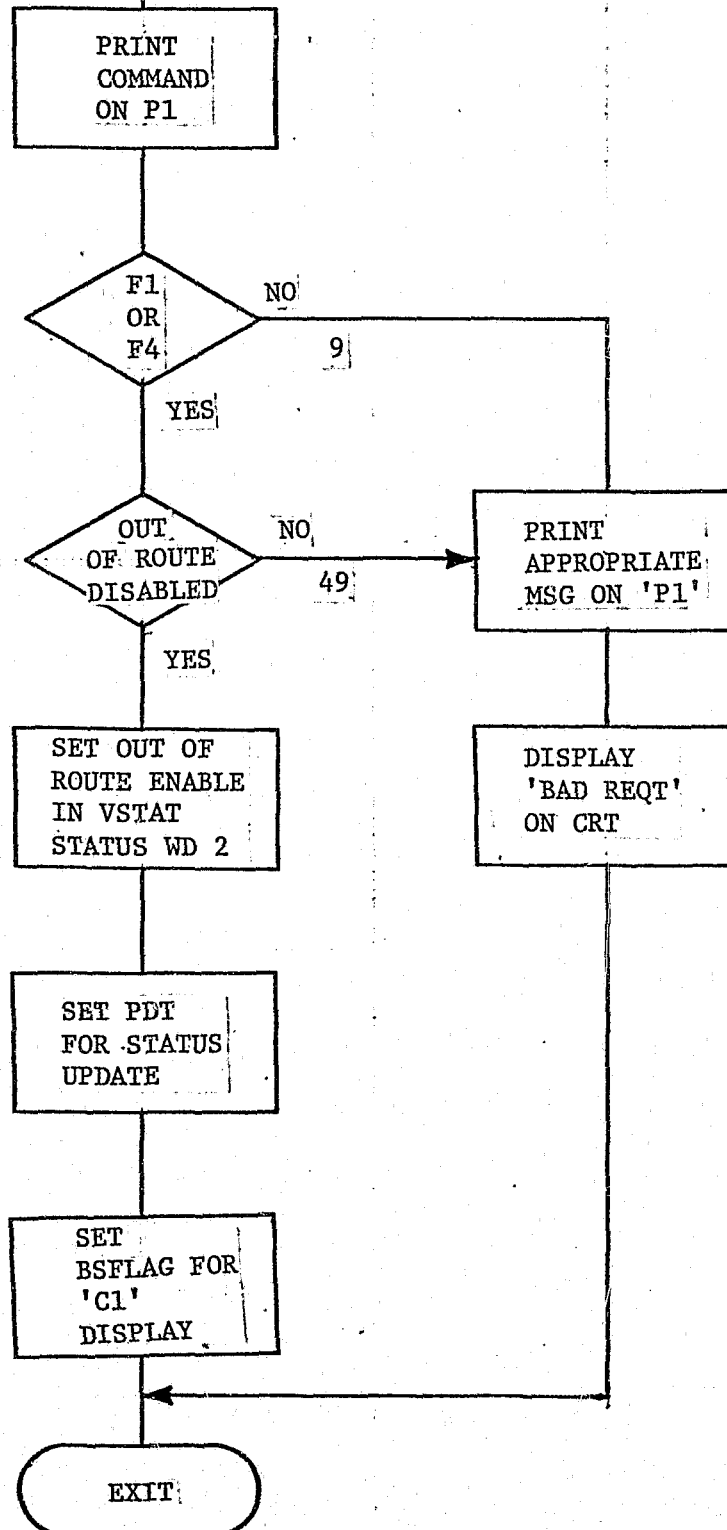
K B E D I T



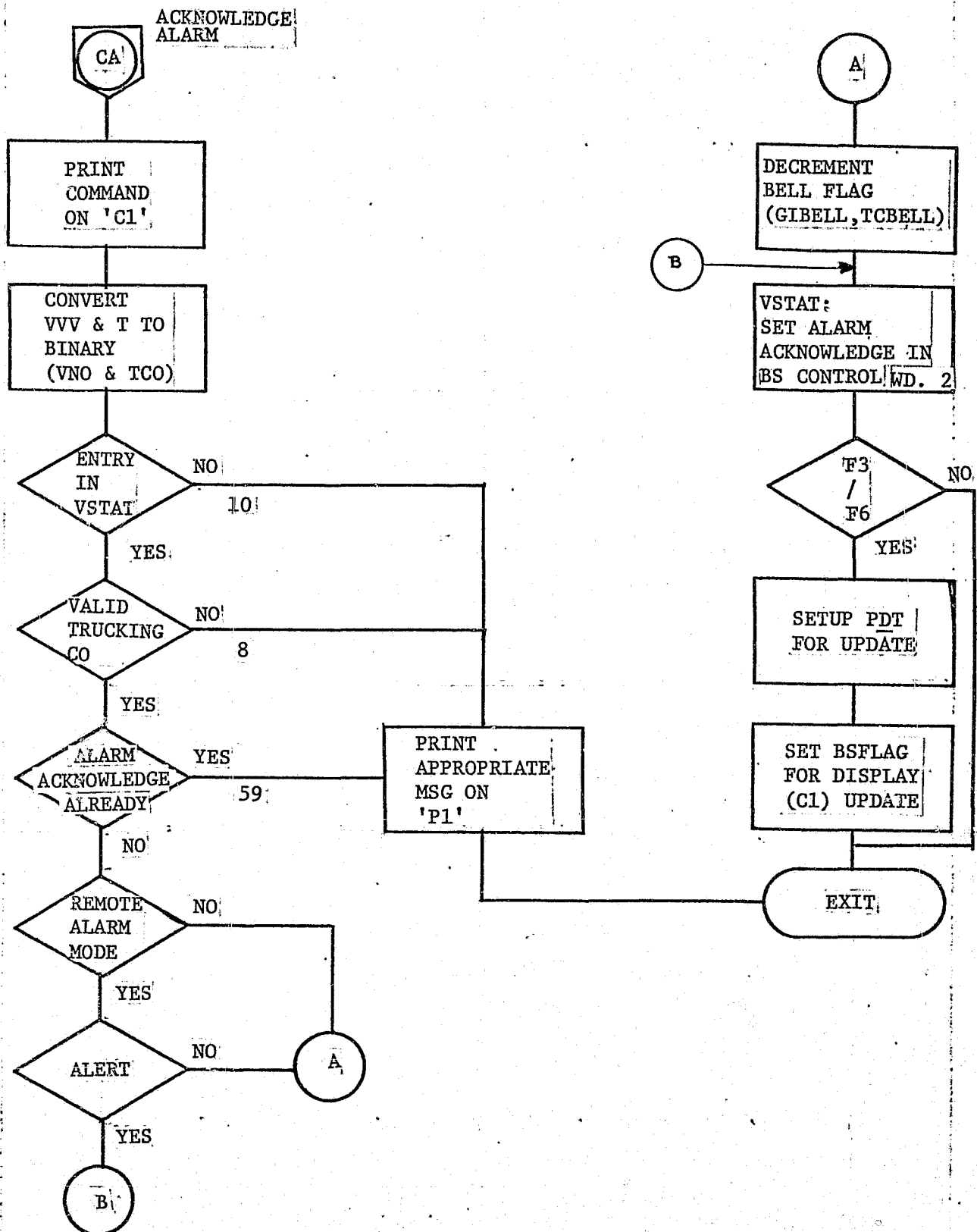


ENABLE OUT OF ROUTE

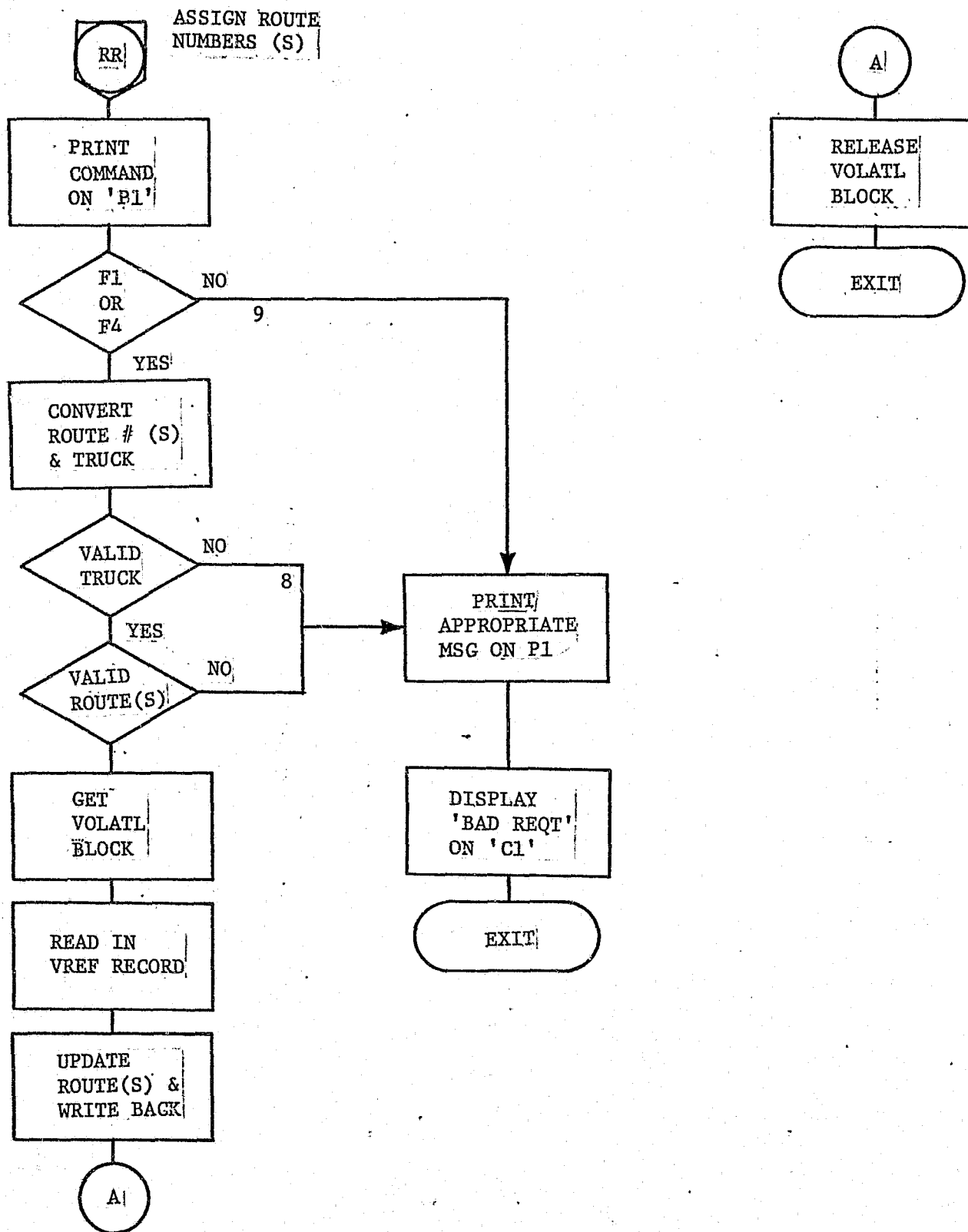
KBEDIT



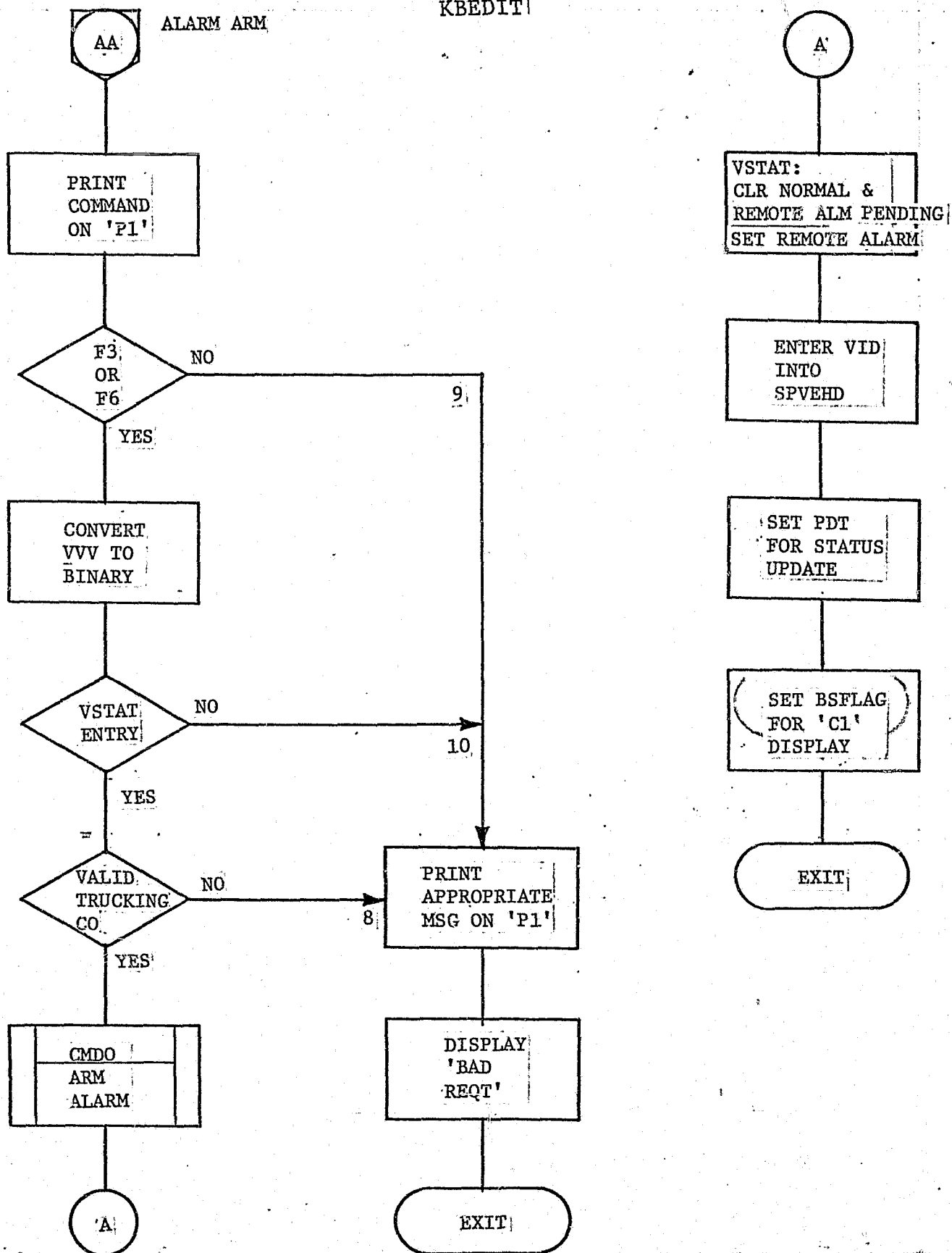
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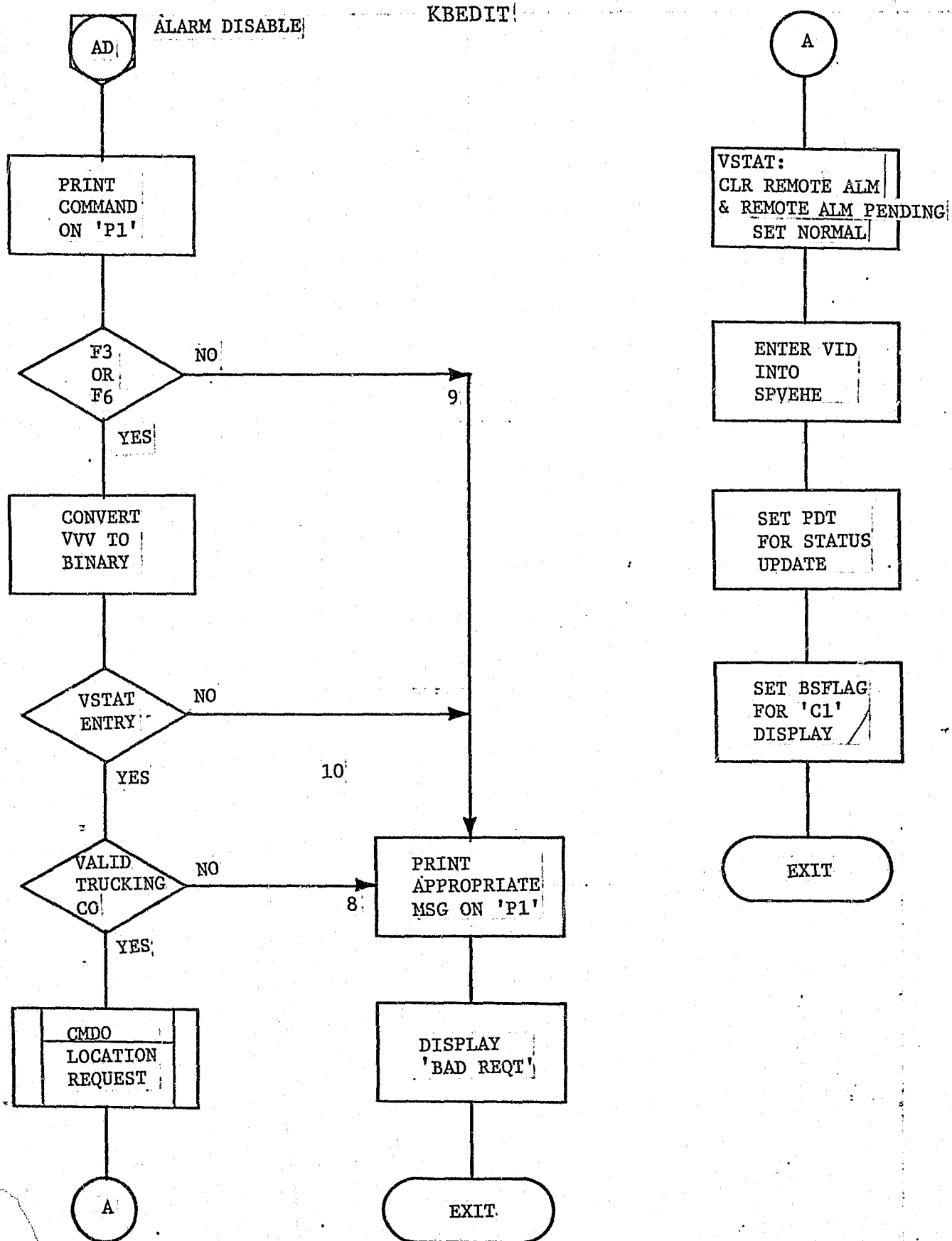


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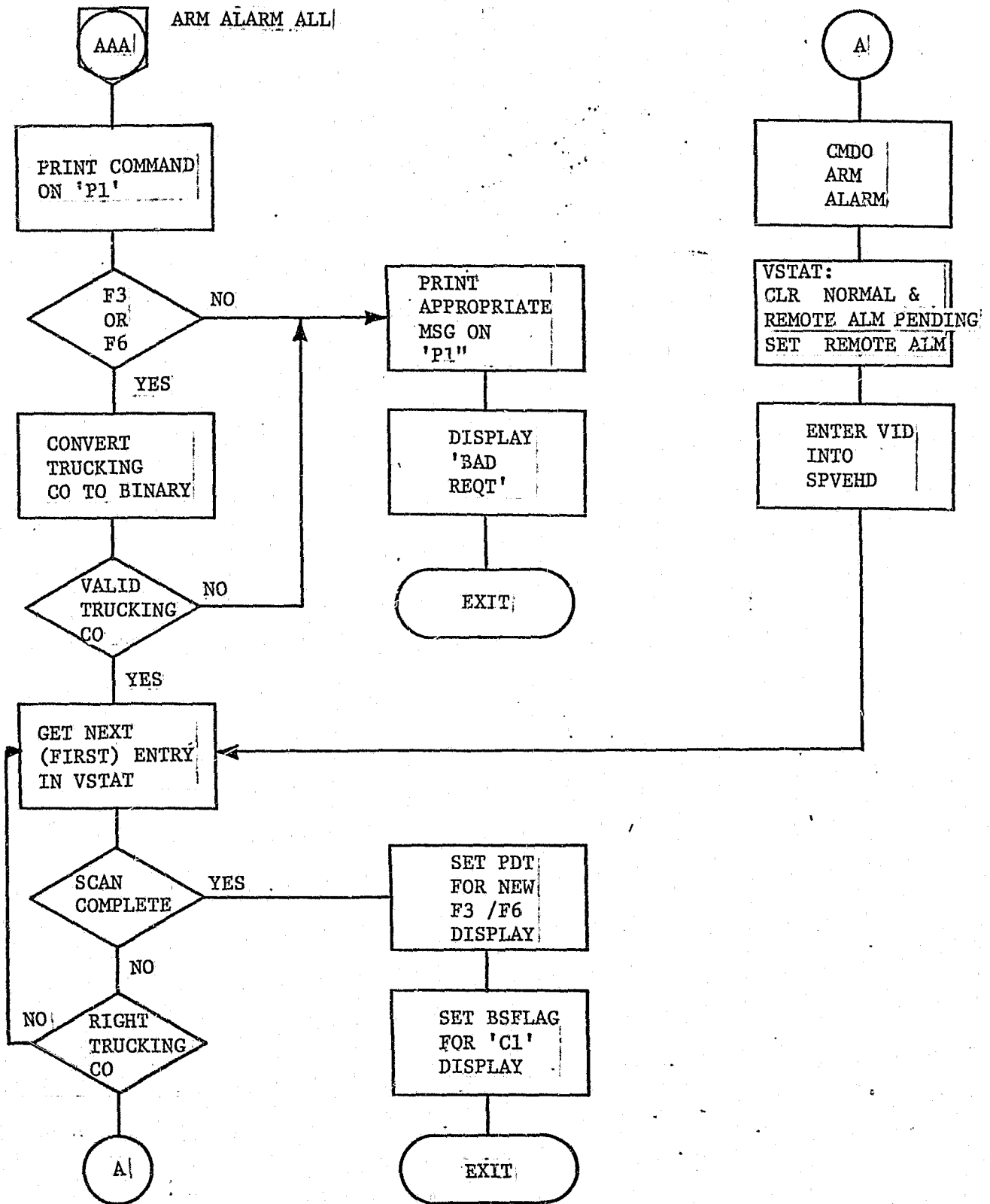




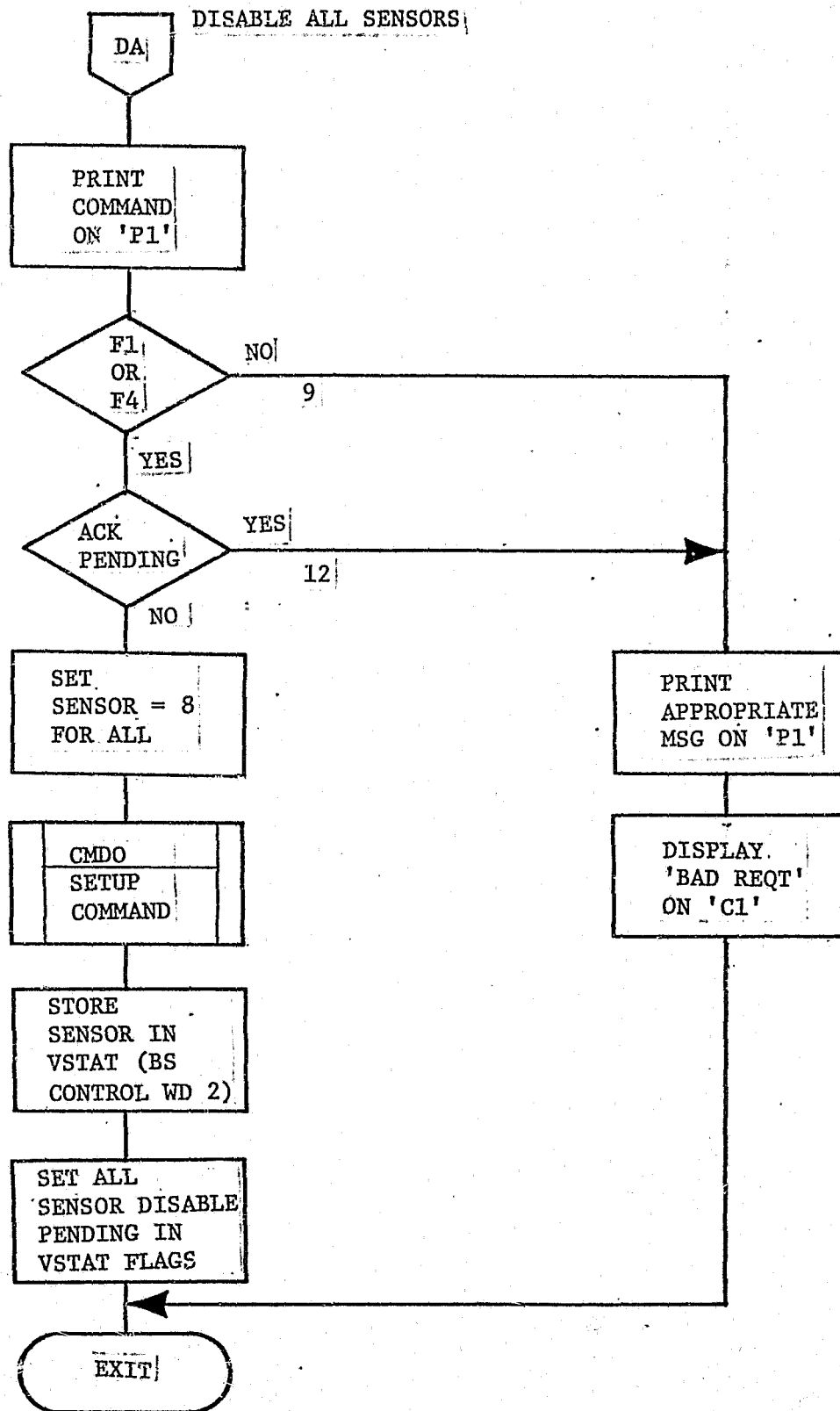
ALARM DISABLE
ALL



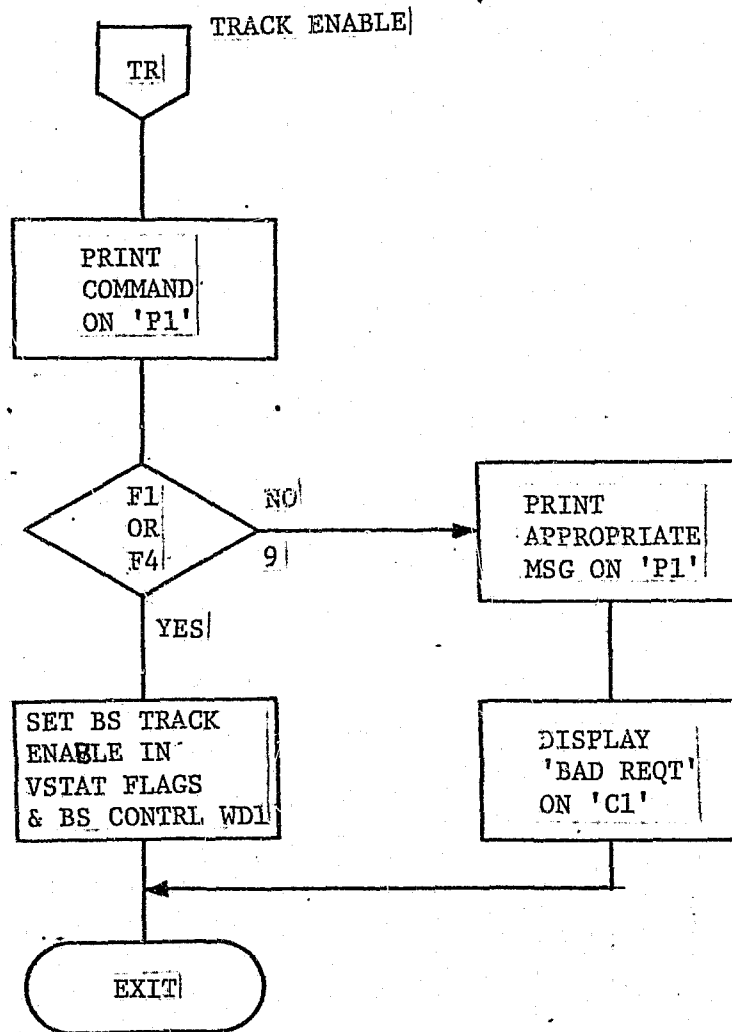
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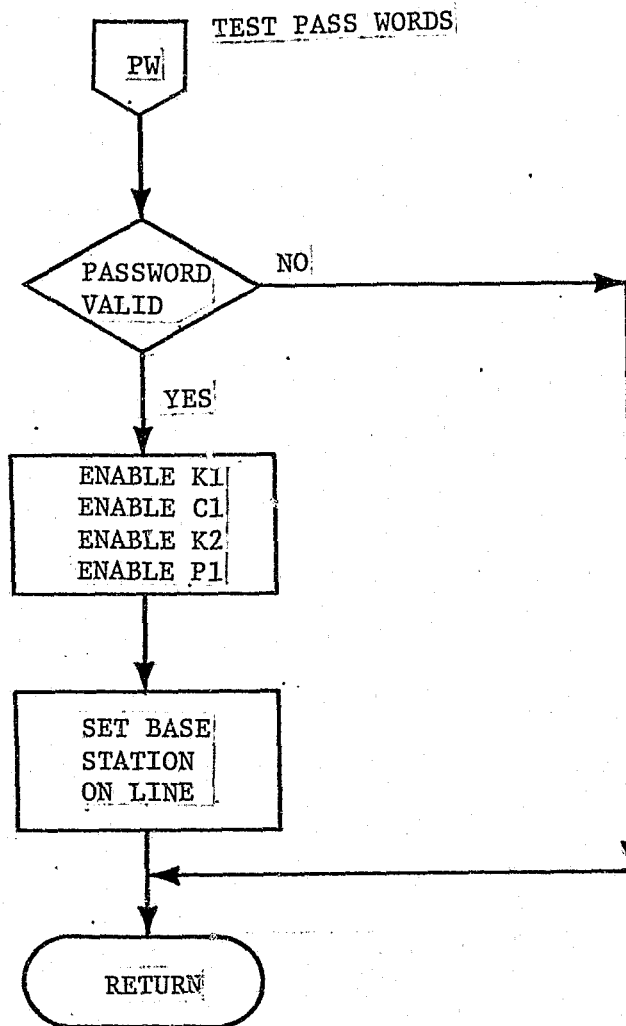


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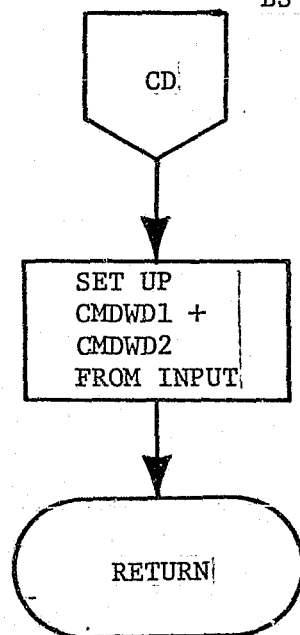
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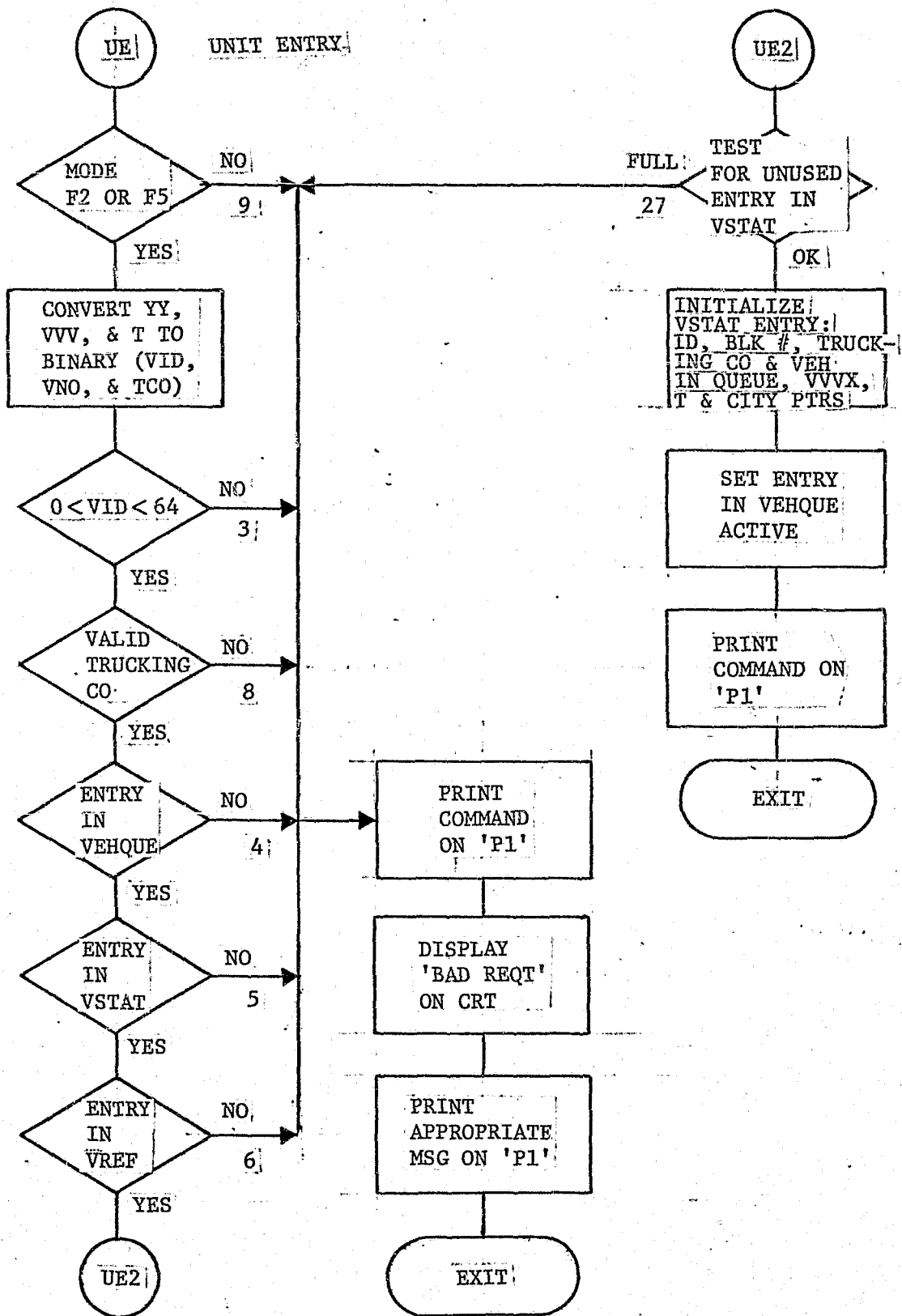


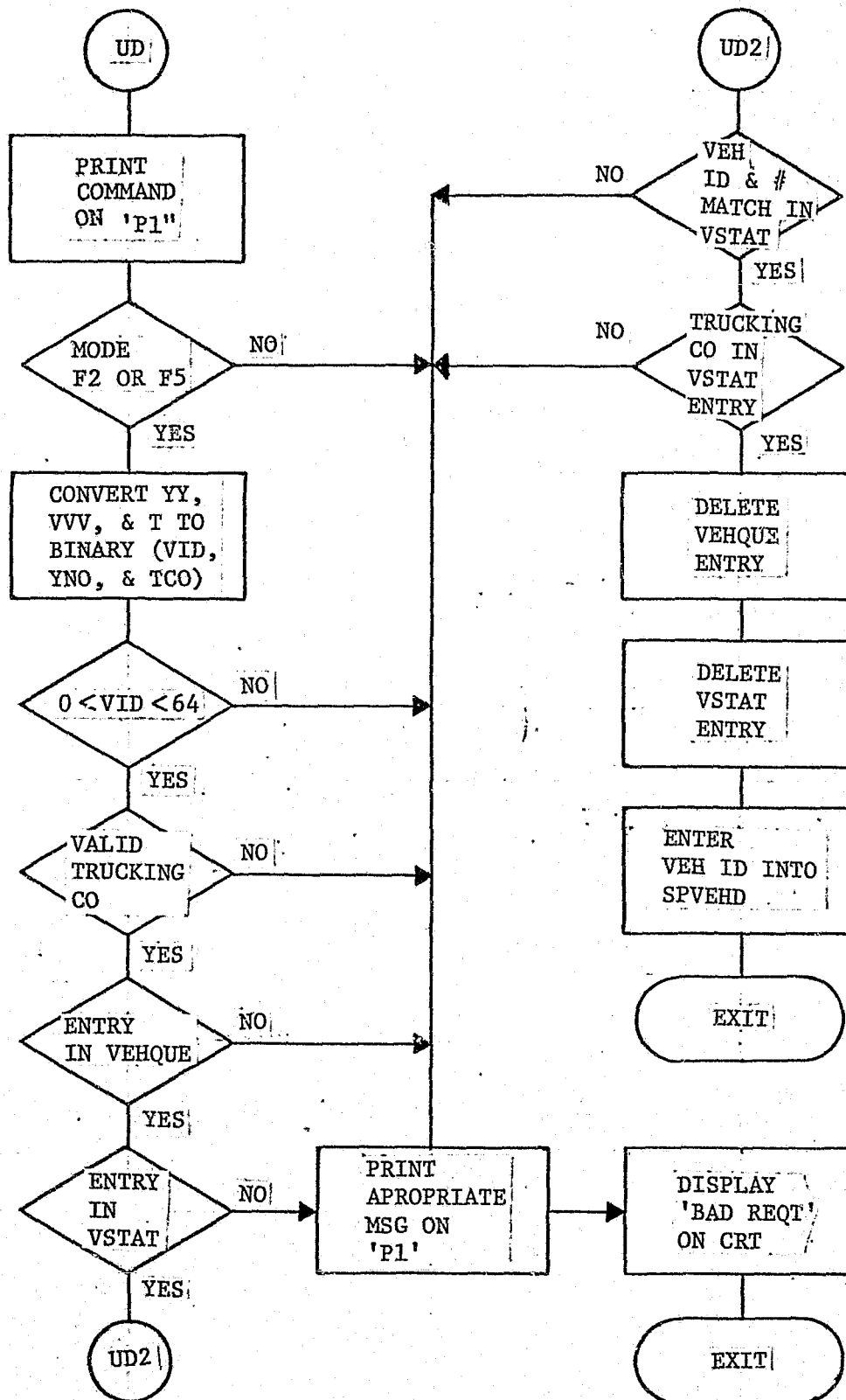
KBEDIT

BS COMMAND ENTRY



KBEDIT





SESTAT

FUNCTIONAL DESCRIPTION:

The security status display will display the location, status, and sensor data for a requested vehicle. It will write the full display if requested or update the location, status, sensor information or mileage.

OPERATIONAL DESCRIPTION:

This display is called by BSCTRL when a request for the display has been made, or when an update is received for the vehicle currently displayed. Information concerning the function of the display is taken from the PD TCL Table. The program finds the VSTAT record from disk and saves and translates the required information. If it is a new display or a location update then the location and telephone number is written to the CRT. If it is a or a sensor update then the sensor data converted and written to the display. If it is not a new display and the mileage has been requested and the mileage has been received then a mileage update is written to the CRT.

SESTAT

INPUTS:

PDTC1 - Physical device Table for C1.

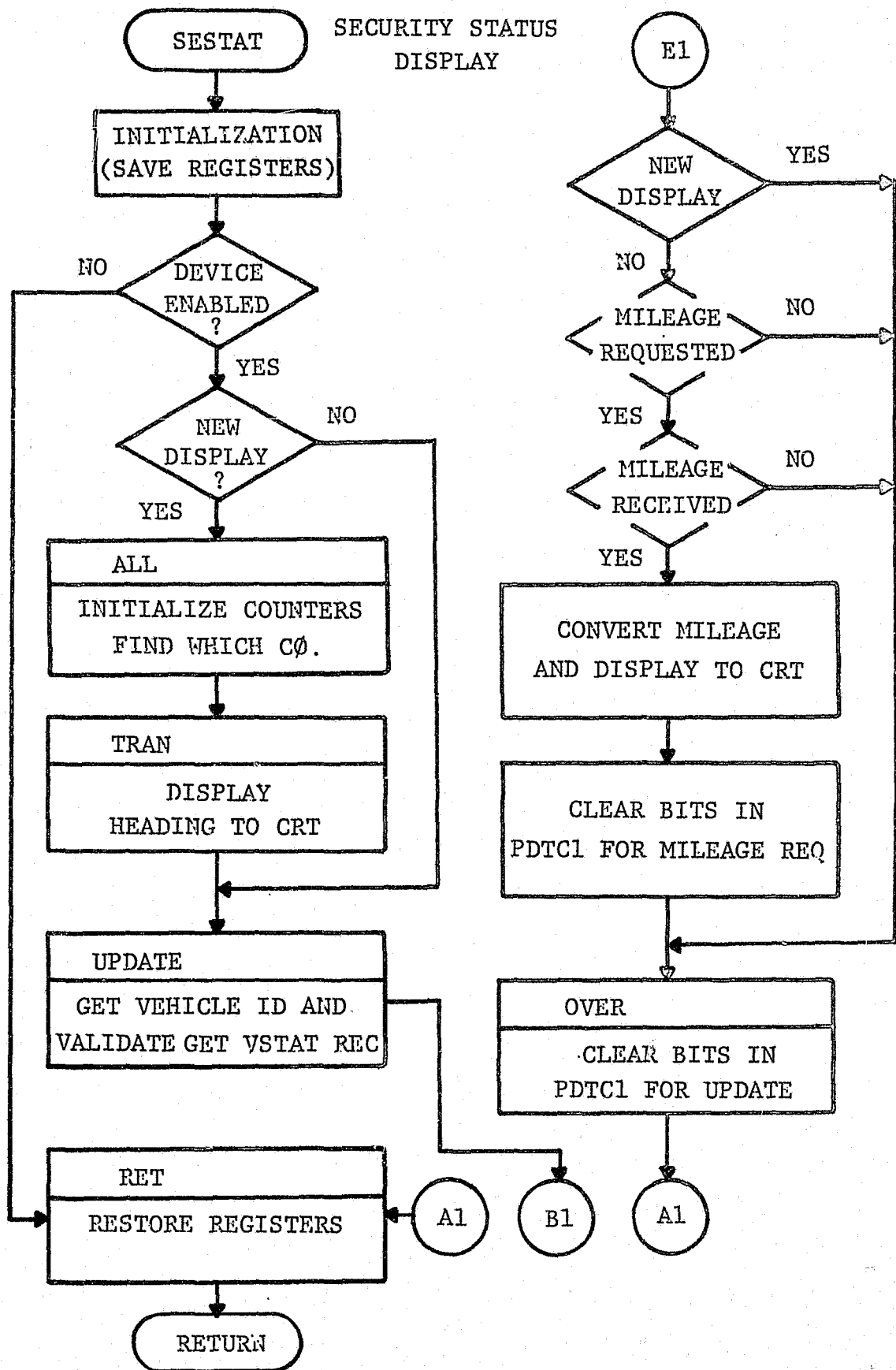
SOURCE:

BSCTRL

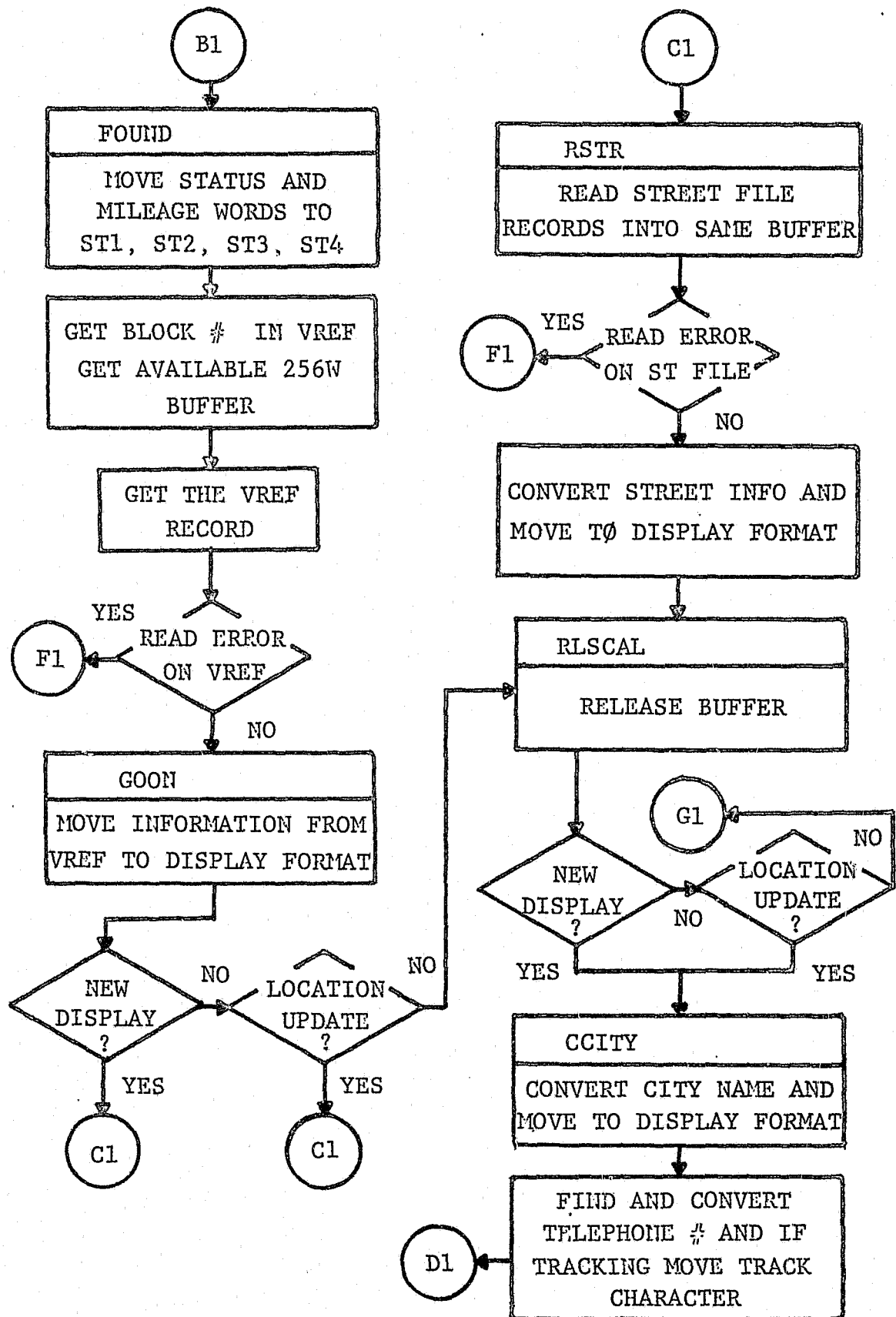
OUTPUTS:

1. Security status display for the base station.
2. Security status location update for the base station.
3. Security status status update for the base station.
4. Security status sensor update for the base station.
5. Security status mileage update for the base station.

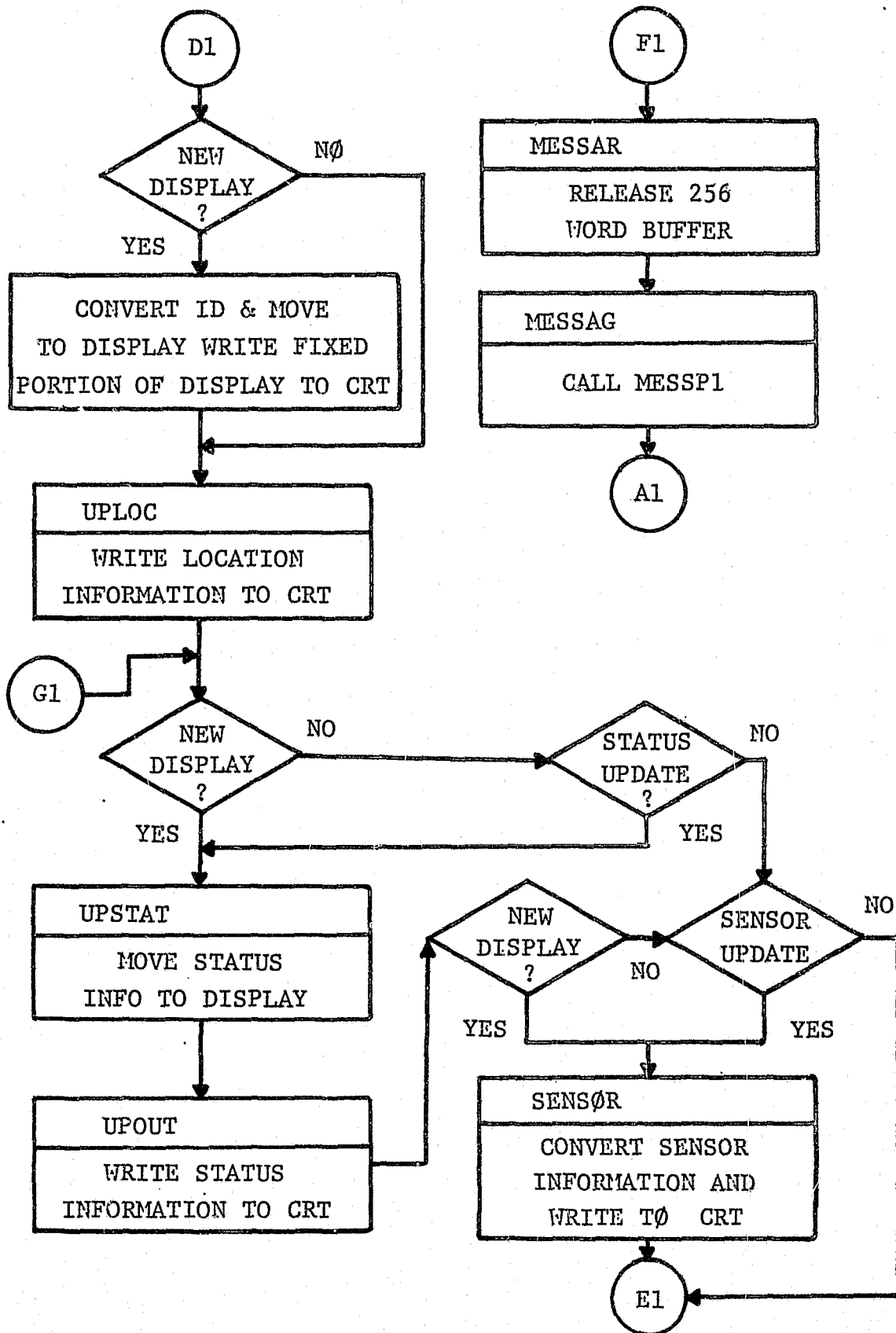
S E S T A T



S E S T A T



S E S T A T



D O L A Y 1

The dispatch station data processing overlay module.
Contains various subroutines which process the commands to the dispatch station.

SUBPROCESSES CONTAINED IN THIS MODULE:

<u>SUBPROCESS</u>	<u>DEFINTION</u>
S401	Load Tel. #, Sensor Data, and Call Alert/Alarm Printout
S402	Output Data to Dispatch Station Formatter
S403	Load Location Data and Call Tel.#
S404	Set up Command Call Parameters
S405	Display Update Processor
S406	Output Bell CMD Flags
S407	Output Printer Data
S409	Log CMD Data and Load CMDWDC
S410	Clear DSCMD1 and DSCMD2
S411	Load PTR with Remote Alarm Data
S413	Output Data in CRT
S412	Out put Data in PRTR to Char. Printer
S414	Clear Buffers in 'ISC' Display
S418	Mode Change Command
S419	Mode Change Display Update
S420	Complete the Command

D O L A Y 1

SUBPROCESSES CONTAINED IN THIS MODULE: (Cont.)

<u>SUBPROCESSES</u>	<u>DEFINITION</u>
S421	Recent History Printout Processor
S422	Dispatch Station Halt
S300	Load Status Buffer
S301	Load Location Data in 'OUTLOC', 'TELOUT', 'VEHNUM'
S302	Determine Vehicle Color Byte and Load Load
S303	Load Make, Model, License, Mode Buffers

SECTION B.6

This section is parallel to Section A.6 and contains documentation for the Data Logging Module.

LOGIT

FUNCTIONAL DESCRIPTION:

This is the data logging control module. It contains the routines for data logging to disk and mag tape. It accepts input data storage requests from vehicle comm, dispatch, and base station modules to store vehicle recent history data in disk files. There are three rotating files for each vehicle. It also contains the routine to save data for data logging, and the magtape output processor.

SUB-MODULES:

DTASTR - Data storage for vehicle recent history
LOGGER - Save data for data logging
MTOUTP - Mag-tape output processor

DTASTR

FUNCTIONAL DESCRIPTION:

Stores data for vehicle recent history.

OPERATIONAL DESCRIPTION:

This routine accepts data storage requests from the vehicle, dispatch, and base station modules, to store vehicle recent history data in disk files. The file names used are three rotating files

for each vehicle: RHAVVV = 0
RHBVVV = 1
RHCVVV = 2

TDFILE = 0,1,2 indicating which file is today's date

Data Files are fixed format - 7 word records

Word 1 = Date
Word 2 = Type (A-I), Number
Word 3 = Street 1 Pointer
Word 4 = Street 2 Pointer
Word 5 = City Pointer
Word 6 = Time
 0-5 - Seconds
 6-11- Minutes
 12-15- Hours
Word 7 = Duration Time (minutes), Mileage (*2FT),
 Null, or other Vehicle Number

Input Command Format is:

Word 1 = Command and Type
Word 2 = Vehicle ID
Word 3 = Duration in minutes, mileage, or other
 vehicle

LOGGER

FUNCTIONAL DESCRIPTION:

Subroutine to save data for data logging.

OPERATIONAL DESCRIPTION:

Data is stored in 'LOGBUF' buffer, which consists of multiple records for multiple-buffering. Whenever one of the records is filled, 'DFLAG' is set to flag the data logging processor.

CALLING PARAMETERS:

JSR R5, Logger
.Word Address of data
.Word # words

MTOUTP

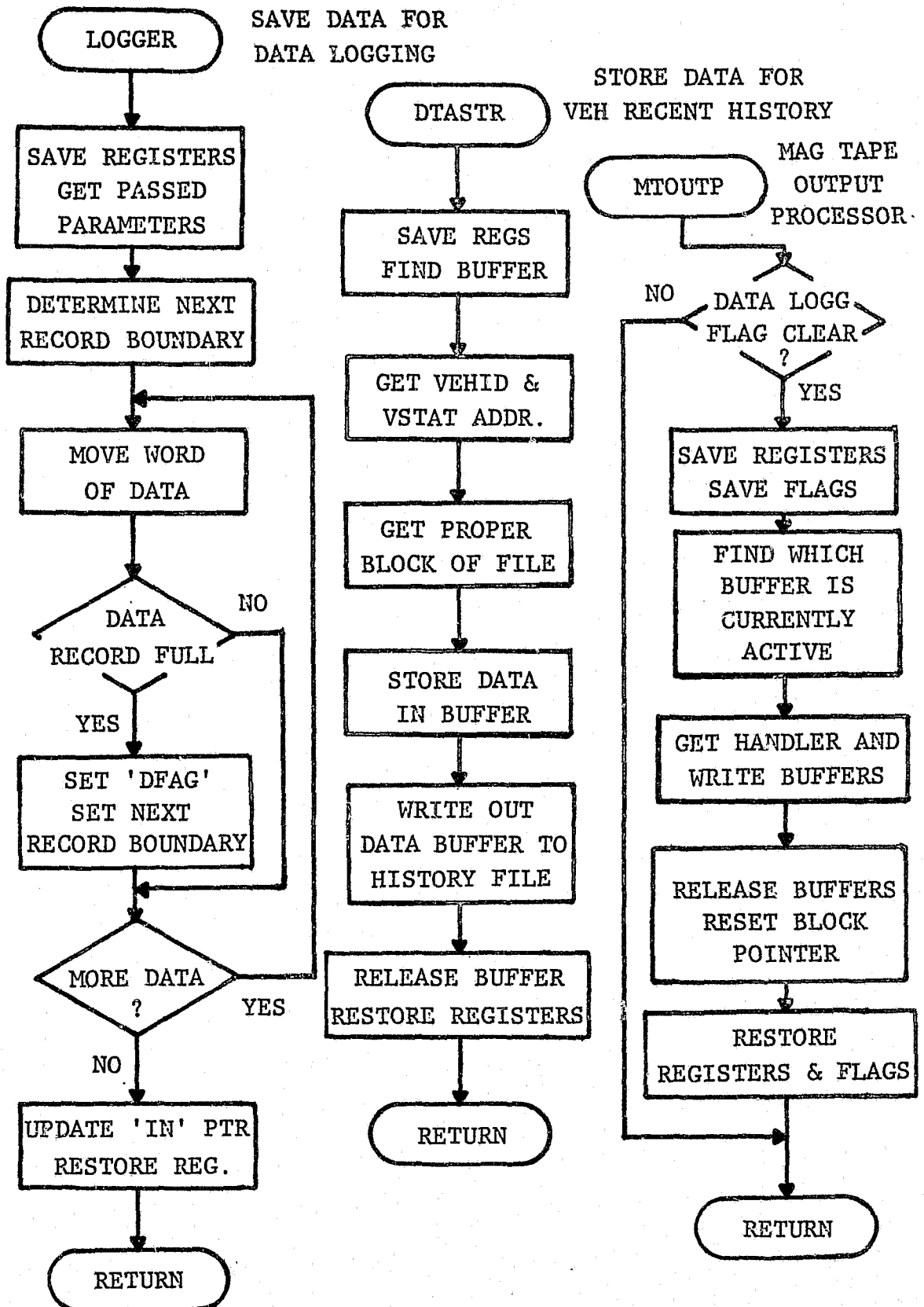
FUNCTIONAL DESCRIPTION:

This is the mag-tape output processor.

OPERATIONAL DESCRIPTION:

This routine finds the currently active buffer and outputs the file to the disk. It then writes the mag-tape.

LOGIT



CARGO SECURITY FIELD TEST

FINAL REPORT

Volume III: Part 4

APPENDIX D SECT. C
SOFTWARE DATA PACKAGE

November 1978

Prepared For
THE AEROSPACE CORPORATION

Contract No. J-LEAA-025-73



INFORMATION
IDENTIFICATION
INCORPORATED

SECTION C

This section contains the listings for the data bases in the Cargo Security System. The data bases listed are the following:

1. Digitized Data (Diskettes #1 and #2) - AM Phase Data Base
2. ROUTES - TRUCKING ROUTES
3. CTFILE - CITY FILE
4. VREF - VEHICLE REFERENCE FILE
5. TELREF - TELEPHONE NUMBER FILE
6. RECENT HISTORY - VEHICLE RECENT HISTORY FILE
7. STFILX - STREET FILE
8. SPSTFL - SIGNPOST FILE.

SECTION C.1

The following list is the AM PPHASE DATA BASE - DIGITIZED DATA diskette #1. This file defines the street segments in terms of X,Y coordinates. It contains the street name, the city name, the beginning X,Y coordinate and the ending X,Y coordinate for the street segment.



DIAGRAM OF MAPS USED IN DIGITIZATION PROCESS

- | | | |
|----------------|------------------|------------------|
| 1. HOLLYWOOD | 6. SOUTH GATE | 11. LONG BEACH |
| 2. LOS ANGELES | 7. WHITTIER | 12. LOS ALAMITOS |
| 3. EL MONTE | 8. LA HABRA | 13. ANAHEIM |
| 4. VENICE | 9. REDONDO BEACH | 14. SAN PEDRO |
| 5. INGLEWOOD | 10. TORRANCE | |



PAGE

TIME OF ENTRY - 15:00:00 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20766 LOWER RIGHT = 20721 LOWER LEFT = 1230 UPPER LEFT = 1289
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14574 LOWER RIGHT = 602 LOWER LEFT = 719 UPPER LEFT = 14684

```

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	45TH	L ANGELES	0405	05	01	4212859	4113387	4214015	4113385	41	HARBOR	COMMERCE	0165	01	8	4237768	4115149	4238596	4114233
2	45TH	L ANGELES	0405	06	01	4214583	4113401	4215464	4113397	42	HARBOR	COMMERCE	0165	02	8	4238602	4114231	4239729	4113810
3	43RD	L ANGELES	0402	03	01	4212282	4114554	4213095	4114440	43	HARBOR	COMMERCE	0165	03	8	4239733	4113808	4240565	4113664
4	43RD	L ANGELES	0402	04	01	4213023	4114554	4214281	4114406	44	HARBOR	COMMERCE	0165	04	8	4240575	4113660	4241588	4113269
5	43RD	L ANGELES	0402	05	01	4214341	4114207	4215470	4114207	45	ASTOR	COMMERCE	0122	01	8	4236147	4115057	4239455	4115569
6	VERNON	L ANGELES	0404	03	01	4211932	4113848	4218195	4113788	46	TRIGGS	LA COUNTY	0138	01	2	4233018	4117598	4236794	4117628
7	VERNON	VERNON	0404	04	17	4218241	4113770	4218237	4114295	47	UNION PAC	LA COUNTY	0039	01	2	4240311	4117245	4236848	4118139
8	VERNON	VERNON	0404	05	17	4218233	4114289	4225875	4114450	48	UNION PAC	LA COUNTY	0039	02	2	4235039	4118364	4224890	4118354
9	PACIFIC	VERNON	0115	01	17	4218233	4113836	4219424	4113598	49	PICO	L ANGELES	0096	01	1	4221317	4119785	4223131	4118931
10	PACIFIC	VERNON	0115	02	17	4219422	4113602	4219740	4112425	50	PICO	L ANGELES	0096	02	1	4223127	4118929	4227091	4118893
11	LEONIS	VERNON	0120	01	17	4219746	4112389	4225899	4112461	51	OLYMPIC	L ANGELES	0032	03	1	4223914	4119196	4235711	4119208
12	46TH	VERNON	0406	07	17	4221409	4113050	4224662	4113114	52	OLYMPIC	LA COUNTY	0032	01	2	4235737	4119268	4240693	4118029
13	46TH	VERNON	0406	08	17	4224642	4113104	4225907	4113267	53	OLYMPIC	LA COUNTY	0032	02	2	4243773	4117267	4249816	4116154
14	46TH	VERNON	0406	09	17	4225913	4113261	4228222	4112942	54	HEREFORD	LA COUNTY	0041	02	2	4244325	4115996	4249780	4115376
15	46TH	VERNON	0406	10	17	4228220	4112944	4228166	4112385	55	FARFIELD	LA COUNTY	0040	01	2	4243881	4116952	4245996	4116559
16	44TH	VERNON	0118	01	17	4221413	4113734	4225899	4113770	56	FARFIELD	LA COUNTY	0040	02	2	4246930	4116399	4249828	4115799
17	41ST	L ANGELES	0398	06	01	4211986	4115749	4214371	4115334	57	ALLSTON	LA COUNTY	0042	01	2	4243705	4117227	4244763	4118251
18	41ST	VERNON	0398	07	17	4214363	4115332	4218189	4115318	58	ALLSTON	LA COUNTY	0042	02	2	4244777	4118239	4249816	4116932
19	41ST	VERNON	0398	08	17	4218195	4115314	4219005	4115593	59	VERONA	LA COUNTY	0033	02	2	4241022	4118692	4239611	4119208
20	37TH	VERNON	0387	08	17	4215486	4115657	4221363	4115613	60	VERONA	LA COUNTY	0033	01	2	4239611	4119208	4235707	4120244
21	BANDINI	VERNON	0112	01	17	4221365	4115623	4225430	4115557	61	OLYMPIC	L ANGELES	0032	07	1	4225220			

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TIME OF ENTRY - 16:00:04 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

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CURSOR X-COORDINATE DATA - UPPER RIGHT = 20766 LOWER RIGHT = 20721 LOWER LEFT = 1230 UPPER LEFT = 1289
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14574 LOWER RIGHT = 602 LOWER LEFT = 719 UPPER LEFT = 14684

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2	7TH	L ANGELES	0352	09	01	4228104	4120888	4225228	4122498	42	VSDELARRO	LA COUNTY	0135	04	2	4248275	4121772	4248653	4121413
3	SANTA ANA	COMMERCE	0123	09	18	4242898	4112310	4238801	4116603	43	DEUAR	LA COUNTY	0131	01	2	4243439	4123312	4245906	4123360
4	SANTA ANA	COMMERCE	0123	08	18	4238795	4116605	4233070	4119595	44	3RD	LA COUNTY	0340	08	2	4229760	4124425	4243723	4124435
5	SANTA ANA	L ANGELES	0123	07	01	4233076	4119587	4229124	4119793	45	POMONA FY	MNTRY PRK	0130	07	7	4244115	4124280	4249092	4124332
6	SANTA ANA	L ANGELES	0123	06	01	4229124	4119791	4221078	4124086	46	POMONA FY	LA COUNTY	0130	06	2	4244133	4124338	4241578	4125556
7	SANTA ANA	L ANGELES	0123	05	01	4221080	4124082	4220796	4130111	47	POMONA FY	LA COUNTY	0130	05	2	4241574	4125558	4236584	4125337
8	SANTA ANA	L ANGELES	0123	04	01	4220800	4130107	4220054	4131528	48	POMONA FY	LA COUNTY	0130	04	2	4236584	4125351	4233310	4124555
9	SANTA ANA	L ANGELES	0123	03	01	4220050	4131514	4215998	4132034	49	POMONA FY	LA COUNTY	0130	03	2	4233310	4124553	4229904	4123747
10	SANTA ANA	L ANGELES	0123	02	01	4215994	4132036	4213453	4134027	50	POMONA FY	LA COUNTY	0130	02	2	4229892	4123741	4225046	4122530
11	SANTA ANA	L ANGELES	0123	01	01	4213453	4134019	4212080	4135970	51	POMONA FY	LA COUNTY	0130	01	2	4225058	4122516	4221331	4123831
12	7TH	L ANGELES	0352	08	01	4224690	4122817	4220632	4124904	52	5TH	L ANGELES	0347	06	1	4211990	4129059	4213549	4128760
13	7TH	L ANGELES	0352	07	01	4220630	4124906	4215786	4125092	53	5TH	L ANGELES	0347	07	1	4213551	4128745	4215410	4127569
14	7TH	L ANGELES	0352	06	01	4215784	4125096	4212012	4128284	54	4TH	L ANGELES	0341	10	1	4212016	4130033	4213447	4129574
15	8TH	L ANGELES	0354	10	01	4217375	4123123	4219194	4123150	55	4TH	L ANGELES	0341	11	1	4213449	4129568	4215392	4128334
16	BAY	L ANGELES	0159	01	01	4216987	4123819	4218079	4123821	56	4TH	L ANGELES	0341	12	1	4215394	4128334	4216724	4128264
17	BAY	L ANGELES	0159	02	01	4218311	4123823	4219041	4123843	57	3RD	L ANGELES	0340	05	1	4212052	4131637	4213549	4130450
18	8TH	L ANGELES	0354	09	01	4215584	4123346	4212580	4126420	58	3RD	L ANGELES	0340	06	1	4213561	4130418	4215870	4128968
19	8TH	L ANGELES	0354	08	01	4212012	4127344	4212560	4126402	59	3RD	L ANGELES	0340	07	1	4215872	4128968	4216726	4128338
20	PERCY	L ANGELES	0094	01	01	4227557	4122710	4229728	4121519	60	4TH	L ANGELES	0341	13	1	4216744	4128300	4217755	4127565
21	PRINCETON	LA COUNTY	0060	01	02	4229752	4122243	4232694	4122247	61	4TH	L ANGELES	0341	14	1	4217755	4127561	4219172	4127522
22	6TH	LA COUNTY	0349	06	02	4228476	4123174	4229696	4122534	62	4TH	L ANGELES	0341	15	1	4219134	4127532	4220522	4128032
23	6TH	LA COUNTY	0349	07	02	4229744	4122632	4233460	4122590	63	4TH	L ANGELES	0341	16	1	4220526	4128030	4222233	4128026
24	5TH	LA COUNTY	0347	10	02	4229758	4123354	4231501	4123294	64	2ND	L ANGELES	0339	09	1	4221064	4132497	4215756	4129568
25	5TH	LA COUNTY	0347	11	02	4231503	4123300	4232009	4122953	65	2ND	L ANGELES	0339	10	1	4215758	4129568	4217583	4129527
26	5TH	LA COUNTY	0347	12	02	4232009	4122959	4232974	4122953	66	15"	L ANGELES	0338	05	1	4212030	4133237	4215534	4130323
27	HUBBARD	LA COUNTY	0035	01	02	4236405	4121592	4247613	4118700	67	15"	L ANGELES	0338	06	1	4215534	4130323	4221717	4129527
28	6TH	LA COUNTY	0349	08	02	4236604	4122454	4245896	4119984	68	TEMPLE	L ANGELES	0342	04	1	4212072	4135208	4212699	4134237
29	EAGLE	LA COUNTY	0037	01	02	4238134	4122907	4240079	4122400	69	TEMPLE	L ANGELES	0342	05	1	4212697	4134239	4214810	4132122
30	EAGLE	LA COUNTY	0037	02	02	4240589	4122273	4244007	4121385	70	TURNER	L ANGELES	0128	01	1	4214808	4132124	4216100	4130815
31	4TH	LA COUNTY	0341	18	02	4238308	4123733	4241806	4122805	71	TURNER	L ANGELES	0128	02	1	4216102	4130815	4218067	4130522
32	BEVERLY	LA COUNTY	0133	01	02	4241004	4124359	4245368	4121155	72	6TH	L ANGELES	0349	05	1	4222161	4126586	4227731	4123591
33	BEVERLY	LA COUNTY	0133	02	02	4245366	4121155	4247058	4120697	73	5TH	L ANGELES	0347	08	1	4226053	4125199	4227443	4124477
34	BEVERLY	LA COUNTY	0133	03	02	4247048	4120697	4248313	4119817	74	5TH	L ANGELES	0347	09	1	4228004	4124182	4229006	4123611
35	BEVERLY	LA COUNTY	0133	04	02	4248313	4119817	4249820	4120034	75	4TH	L ANGELES	0341	17	1	4222197	4128022	4229664	4123952
36	VIA CRONA	LA COUNTY	0134	01	02	4246044	4120663	4247038	4120338	76	2ND	L ANGELES	0339	11	1	4221467	4129189	4224216	4127791
37	VIA CRONA	LA COUNTY	0134	02	02	4247080	4120322	4248373	4119526	77	2ND	L ANGELES	0339	12	1	4224160	4127679	4228600	4125297
38	VIA CRONA	LA COUNTY	0134	03	02	4248359	4119532	4249786	4119741	78	15"	L ANGELES	0338	07	1	4221709	4129537	4223650	4128531
39	VSDELARRO	LA COUNTY	0135	01	02	4241950	4124038	4245698	4121363	79									
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FILE NAME C50005.002 REVISION 2
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

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2	FOLSOM	L ANGELES	0069	02	01	4225415	4130102	4226573	4129442	42	BRADSHAW	MNTRY	PRK	00:19	05	7	4245543	4127460	4246453	4127807
3	MALABAR	L ANGELES	0091	01	01	4226795	4129923	4229652	4128428	43	BRADSHAW	MNTRY	PRK	00:19	06	7	4246465	4127807	4246587	4128590
4	MALABAR	L ANGELES	0091	02	01	4229650	4128444	4230952	4128578	44	BRADSHAW	MNTRY	PRK	00:19	07	7	4246593	4128590	4247361	4129975
5	BLANCHARD	L ANGELES	0090	01	01	4225905	4131042	4227053	4130408	45	BRADSHAW	MNTRY	PRK	00:19	08	7	4247365	4129973	4247729	4130086
6	BLANCHARD	L ANGELES	0090	02	01	4227119	4130505	4229718	4129112	46	BRADSHAW	MNTRY	PRK	00:19	09	7	4247729	4130086	4248199	4131194
7	BLANCHARD	L ANGELES	0090	03	01	4229712	4129126	4231716	4129085	47	BRADSHAW	MNTRY	PRK	00:19	10	7	4248203	4131194	4249236	4132174
8	BLANCHARD	LA COUNTY	0090	04	02	4231718	4129087	4232088	4128953	48	BRIGHTWOOD	MNTRY	PRK	00:28	01	7	4238979	4128815	4241772	4128867
9	WABASH	L ANGELES	0089	01	01	4226269	4131655	4229820	4129783	49	BRIGHTWOOD	MNTRY	PRK	00:28	02	7	4241770	4128861	4243975	4127793
10	MOTT	L ANGELES	0084	02	01	4227423	4131834	4228165	4131070	50	BRIGHTWOOD	MNTRY	PRK	00:28	03	7	4243973	4127791	4245387	4127656
11	SN B FWY	L ANGELES	0126	01	01	4223314	4132549	4225621	4131789	51	BRIGHTWOOD	MNTRY	PRK	00:28	04	7	4245385	4127658	4246009	4127933
12	SN B FWY	L ANGELES	0126	02	01	4225623	4131787	4226933	4132465	52	BRIGHTWOOD	MNTRY	PRK	00:28	05	7	4246009	4127935	4247193	4127492
13	SN B FWY	L ANGELES	0126	03	01	4226935	4132465	4231796	4132525	53	MIRAVALLE	MNTRY	PRK	00:27	01	7	4247341	4131950	4247937	4131826
14	SN B FWY	LA COUNTY	0126	04	02	4231784	4132515	4236251	4134908	54	MIRAVALLE	MNTRY	PRK	00:27	02	7	4247943	4131799	4247445	4130619
15	SN B FWY	LA COUNTY	0126	05	02	4236255	4134914	4237905	4134517	55	MIRAVALLE	MNTRY	PRK	00:27	03	7	4247449	4130619	4246697	4129835
16	SN B FWY	ALHAMBRA	0126	06	09	4237907	4134517	4243939	4138278	56	MIRAVALLE	MNTRY	PRK	00:27	04	7	4246697	4129835	4246281	4128115
17	SN B FWY	ALHAMBRA	0126	07	09	4243945	4138280	4249966	4138336	57	ISABELLA	MNTRY	PRK	00:29	01	7	4248303	4124461	4248181	4125856
18	2ND	LA COUNTY	0339	13	02	4232670	4125010	4235201	4125020	58	ISABELLA	MNTRY	PRK	00:29	02	7	4248177	4125858	4248557	4126682
19	2ND	LA COUNTY	0339	14	02	4235205	4125020	4237447	4125057	59	ISABELLA	MNTRY	PRK	00:29	03	7	4248551	4126680	4248659	4127616
20	1ST	LA COUNTY	0336	09	02	4229712	4125433	4232716	4125427	60	ISABELLA	MNTRY	PRK	00:29	04	7	4248653	4127618		

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TIME OF ENTRY - 10:00:11 DATE OF LAST UPDATE 07-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GARFIELD	MNTRY PRK	0031	13	07	4249110	4128360	4249014	4129893	41	BRADSHAW	LA COUNTY	0019	01	2	4244295	4118708	4245315	4121593
2	GARFIELD	MNTRY PRK	0031	14	07	4249016	4129897	4249336	4130497	42	BRADSHAW	LA COUNTY	0019	02	2	4245319	4121591	4245297	4124213
3	GARFIELD	MNTRY PRK	0031	15	07	4249334	4130501	4249872	4132323	43	BRADSHAW	MNTRY PRK	0019	03	7	4245303	4124211	4245357	4127073
4	YNEZ	MNTRY PRK	0003	05	07	4245583	4128105	4246121	4129949	44	SIMMONS	LA COUNTY	0074	01	2	4244719	4123978	4244699	4122122
5	YNEZ	MNTRY PRK	0003	04	07	4246111	4129923	4246507	4130663	45	SIMMONS	LA COUNTY	0074	02	2	4244693	4122122	4244543	4120953
6	YNEZ	MNTRY PRK	0003	03	07	4246511	4130655	4247377	4131108	46	SIMMONS	LA COUNTY	0074	03	2	4244535	4120953	4243963	4118779
7	YNEZ	MNTRY PRK	0003	02	07	4247379	4131120	4248904	4133108	47	SIMMONS	LA COUNTY	0074	04	2	4243394	4115894	4243702	4118845
8	YNEZ	MNTRY PRK	0003	01	07	4248894	4133070	4248924	4138408	48	SIMMONS	LA COUNTY	0074	05	2	4243652	4118817	4244273	4121194
9	EL MERCADO	MNTRY PRK	0016	01	07	4246301	4130956	4246913	4131268	49	GERHART	LA COUNTY	0044	01	2	4243318	4118947	4243971	4121404
10	EL MERCADO	MNTRY PRK	0016	02	07	4246903	4131264	4247395	4132220	50	GERHART	LA COUNTY	0044	02	2	4243973	4121404	4244361	4121890
11	EL MERCADO	MNTRY PRK	0016	03	07	4247393	4132218	4247347	4132968	51	GERHART	LA COUNTY	0044	03	2	4244365	4121896	4244319	4125592
12	HELLMAN	ALHAMBRA	0001	01	09	4243212	4137654	4249878	4137636	52	SADLER	LA COUNTY	0045	01	2	4242730	4119109	4243420	4121759
13	EMERSON	MNTRY PRK	0004	01	09	4246943	4136317	4249874	4136338	53	SADLER	LA COUNTY	0045	02	2	4243418	4121761	4243396	4124469
14	NEUMARK	MNTRY PRK	0005	01	07	4247601	4134000	4249852	4134048	54	EASTMONT	LA COUNTY	0046	01	2	4242146	4119252	4242844	4122189
15	HARDING	MNTRY PRK	0006	01	07	4246519	4132780	4249864	4132816	55	MARGARET	LA COUNTY	0047	01	2	4241576	4119753	4242344	4122567
16	GARFIELD	COMMERCE	0031	01	18	4247593	4112224	4248113	4113453	56	MARGARET	LA COUNTY	0047	02	2	4242342	4122567	4243332	4123968
17	GARFIELD	COMMERCE	0031	02	18	4248135	4113451	4248105	4115014	57	HILLVIEW	LA COUNTY	0048	01	2	4240956	4119546	4241788	4122852
18	GARFIELD	COMMERCE	0031	03	18	4248127	4115042	4248713	4118408	58	HILLVIEW	LA COUNTY	0048	02	2	4241782	4122850	4242590	4124104
19	GARFIELD	COMMERCE	0031	04	18	4246713	4118398	4247463	4119627	59	ATLANTIC	LA COUNTY	0049	01	2	4239982	4115606	4239636	4117157
20	GARFIELD	MNTEBELLO	0031	05	03	4247463	4119633	4247319	4120294	60	ATLANTIC	LA COUNTY	0049	02	2	4239630	4117159	4241458	4124048
21	GARFIELD	MNTEBELLO	0031	06	03	4247315	4120284	4247567	4120805	61	ATLANTIC	LA COUNTY	004						

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0005.002 REVISION 2

TIME OF ENTRY - 10:30:05 DATE OF LAST UPDATE 07-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4140000 LOWER LEFT = 4112000 UPPER LEFT = 4140000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20772 LOWER RIGHT = 20734 LOWER LEFT = 1238 UPPER LEFT = 1289

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GARVEY	MNTRY PRK	0166	04	07	4244055	4134085	4244629	4134279	41	SUNOL	LA COUNTY	0077	01	2	4233722	4116638	4233724	4119200
2	GARVEY	MNTRY PRK	0166	05	07	4244627	4134273	4245497	4134952	42	SUNOL	LA COUNTY	0077	02	2	4233714	4120444	4233750	4121034
3	GARVEY	MNTRY PRK	0166	06	07	4245541	4134968	4249860	4134977	43	DOUNEY	LA COUNTY	0068	01	2	4233412	4116650	4233412	4124441
4	CARLOS	MNTRY PRK	0010	01	07	4242558	4135750	4244051	4135795	44	HAZARD	LA COUNTY	0063	01	2	4233506	4127033	4233512	4129693
5	NEWMARK	MNTRY PRK	0005	02	07	4244355	4133846	4245851	4133832	45	RECORD	LA COUNTY	0067	01	2	4232614	4119841	4232650	4122657
6	EASTERN	MNTRY PRK	0057	11	07	4239492	4112300	4239906	4115531	46	GERAGHTY	LA COUNTY	0161	01	2	4232588	4129613	4232590	4128470
7	ATLANTIC	COMMERCE	0049	06	18	4239900	4115525	4235765	4112376	47	GERAGHTY	LA COUNTY	0161	02	2	4232588	4128474	4234056	4128480
8	WOODS	LA COUNTY	0055	01	02	4239998	4119817	4240940	4123868	48	GAGE	LA COUNTY	0064	01	2	4232054	4124391	4232020	4130136
9	WOODS	LA COUNTY	0055	02	02	4240938	4123870	4240774	4124128	49	ROUAN	LA COUNTY	0061	01	2	4231336	4124401	4231334	4129683
10	WOODS	LA COUNTY	0055	03	02	4240774	4124132	4240760	4126754	50	DITMAN	LA COUNTY	0065	01	2	4230632	4119837	4230624	4123704
11	WOODS	LA COUNTY	0055	04	02	4240752	4127155	4240778	4128440	51	DITMAN	LA COUNTY	0065	02	2	4230684	4124413	4230644	4127821
12	HANDOVER	LA COUNTY	0056	01	02	4239190	4118426	4239578	4119927	52	HICKS	LA COUNTY	0066	01	2	4230358	4124489	4230308	4127813
13	COUTS	LA COUNTY	0164	01	02	4236059	4113204	4236543	4114239	53	MALABAR	LA COUNTY	0091	03	2	4230922	4128540	4230826	4130240
14	COUTS	COMMERCE	0164	02	18	4236543	4114275	4237933	4115311	54	ROUAN	LA COUNTY	0061	02	2	4231046	4135195	4231112	4136598
15	FERRIS	LA COUNTY	0051	01	02	4237685	4117398	4239496	4124108	55	MIRASOL	L ANGELES	0079	01	1	4227517	4117576	4227509	4119170
16	KERN	LA COUNTY	0052	01	02	4237043	4117716	4238637	4123639	56	MIRASOL	L ANGELES	0079	02	1	4227523	4119190	4228137	4120180
17	MEDNICK	LA COUNTY	0058	01	02	4238951	4124768	4238949	4129518	57	ESPARANZA	L ANGELES	0078	01	1	4227367	4119414	4229157	4122788
18	MCDONNELL	LA COUNTY	0053	01	02	4236455	4118105	4237511	4122194	58	SPENCE	L ANGELES	0080	01	1	4226515	4117586	4226513	4119653
19	MCDONNELL	LA COUNTY	0053	02	02	4237513	4122194	4237405	4125119	59	SPENCE	L ANGELES	0080	02	1	4226519	4119681	4228451	4123186
20	FORD	LA COUNTY	0054	01	02	4235495	4118556	4236759	4123176	60	LORENA	L ANGELES	0081	01	1	4224511	4118478	4225219	4119037
1	LB FWY	COMMERCE	0125	28	18	4234803	4112344	4235661	4114355	61	LORENA	L ANGELES	0081	02	1	4225217	4119039	4229518	4127015
2	LB FWY	COMMERCE	0125	29	18	4235665	4114345	4235745	4122597	62	EUCLID	L ANGELES	0082	01	1	4223938	4121240	4226357	4125784
3	LB FWY	LA COUNTY	0125	30	02	4235745	4122595	4236641	4126167	63	EVERGREEN	L ANGELES	0083	01	1	4225659	4125161	4228507	4130493
4	LB FWY	LA COUNTY	0125	31	02	4236639	4126169	4236515	4128691	64	EVERGREEN	L ANGELES	0083	02	1	4228507	4130497	4228931	4131110
5	LB FWY	LA COUNTY	0125	32	02	4236531	4128701	4238201	4131168	65	DOUNEY	VERNON	0068	03	7	4225861	4112384	4225859	4115810
6	LB FWY	MNTRY PRK	0125	33	07	4238191	4131166	4238059	4134578	66	DOUNEY	VERNON	0068	02	7	4225865	4115806	4224757	4118225
7	EASTERN	LA COUNTY	0057	01	02	4235191	4118700	4235255	4124331	67	BOYLE	VERNON	0155	01	7	4223382	4112405	4223336	4114431
8	EASTERN	LA COUNTY	0057	02	02	4235265	4124343	4235429	4124940	68	MOTT	L ANGELES	0084	01	1	4228495	4130871	4228111	4131072
9	EASTERN	LA COUNTY	0057	03	02	4235425	4124940	4235395	4129011	69	MOTT	L ANGELES	0084	04	1	4228113	4131072	4224210	4125071
0	EASTERN	LA COUNTY	0057	04	02	4235377	4129071	4234717	4130016	70	MOTT	L ANGELES	0084	03	1	4224222	4125075	4227387	4131034
1	EASTERN	LA COUNTY	0057	05	02	4234719	4130014	4234731	4130567	71	FICKETT	L ANGELES	0085	01	1	4224579	4126738	4225801	4128983
2	EASTERN	LA COUNTY	0057	06	02	4234729	4130565	4235473	4131397	72	FICKETT	L ANGELES	0085	02	1	4225809	4128997	4225581	4129118
3	EASTERN	LA COUNTY	0057	07	02	4235473	4131397	4235859	4133263	73	FICKETT	L ANGELES	0085	03	1	4225643	4129061	4226067	4131367
4	EASTERN	LA COUNTY	0057	08	02	4235859	4133261	4235297	4134620	74	SOTO	L ANGELES	0086	01	1	4221414	4112409	4221250	4119843
5	EASTERN	LA COUNTY	0057	09	02	4235293	4134622	4233992	4134650	75	SOTO	L ANGELES	0086	02	1	4221250	4119895	4221504	4122607
6	EASTERN	LA COUNTY	0057	10	02	4233994	4134652	4233716	4134983	76	SOTO	L ANGELES	0086	03	1	4221482	4122591	4226269	4131719
7	HUMPHRIES	LA COUNTY	0062	01	02	4236111	4125716	4236057	4128484	77	BOYLE	L ANGELES	0155	02	1	4220998	4121424	4221300	4123844
8	MARIANA	LA COUNTY	0076	01	02	4234601	4116494	4234611	4119009	78	BOYLE	L ANGELES	0155	03	1	4221304	4123840	4221668	4125596
9	MARIANA	LA COUNTY	0076	02	02	4234751	4125628	4234719	4129262	79	BOYLE	L ANGELES	0155	04	1	4221668	4125594	4221344	4126722
0	MARIANA	LA COUNTY	0076	03	02	4234711	4129262	4234981	4129540	80	BOYLE	L ANGELES	0155	05	1	4221348	4126722	4221494	4127714

PAGE

TIME OF ENTRY - 13:50:00 DATE OF LAST UPDATE 17-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 13:50:00    DATE OF LAST UPDATE - 11-JAN-11    OPERATOR NAME - RINGFREDER
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MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 412000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
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1	3RD	MNTEBELLO	0264	01	03	4255334	4112424	4255479	4112704	41	WHITTIER	MNTEBELLO	0034	07	3	4249818	4117481	4257652	4115559
2	4TH	MNTEBELLO	0263	01	03	4254980	4112470	4255194	4112845	42	CLEVELAND	MNTEBELLO	0170	01	3	4250188	4118116	4257904	4116172
3	5TH	MNTEBELLO	0262	01	03	4254674	4112530	4255168	4113573	43	MADISON	MNTEBELLO	0169	01	3	4249812	4118857	4258790	4116711
4	MONTEBELLO	MNTEBELLO	0261	01	03	4253936	4112516	4254816	4114498	44	HARDING	MNTEBELLO	0006	02	3	4250838	4119325	4258264	4117486
5	BLUFF	MNTEBELLO	0267	01	03	4255891	4112538	4257227	4114955	45	VICTORIA	MNTEBELLO	0271	01	3	4250842	4120659	4255324	4119596
6	GREENWOOD	MNTEBELLO	0260	01	03	4252615	4112448	4253632	4114646	46	VICTORIA	MNTEBELLO	0271	02	3	4255989	4119420	4258564	4118819
7	TAYLOR	MNTEBELLO	0258	01	03	4251773	4112532	4252551	4114110	47	LINCOLN	MNTEBELLO	0030	03	3	4249772	4121656	4257750	4119680
8	MAPLE	MNTEBELLO	0257	01	03	4251004	4112490	4252089	4114791	48	1ST	MNTEBELLO	0093	03	3	4258078	4118212	4258330	4119319
9	VAIL	MNTEBELLO	0256	01	03	4249856	4112462	4251557	4116038	49	2ND	MNTEBELLO	0265	02	3	4257742	4118276	4257990	4119370
10	PICKERING	MNTEBELLO	0278	02	03	4250928	4115251	4249984	4116314	50	3RD	MNTEBELLO	0264	03	3	4257409	4118376	4257718	4119684
11	PICKERING	MNTEBELLO	0278	01	03	4249984	4116310	4250578	4116733	51	FORBES	MNTEBELLO	0268	01	3	4259110	4119940	4258864	4118721
12	MINES	MNTEBELLO	0277	01	03	4250962	4114875	4255825	4112538	52	FORBES	MNTEBELLO	0268	02	3	4258854	4118709	4259548	4117986
13	ROOSEVELT	MNTEBELLO	0276	01	03	4254806	4114542	4256359	4113437	53	FORBES	MNTEBELLO	0268	03	3	4259562	4117968	4260351	4119430
14	OLYMPIC	MNTEBELLO	0032	11	03	4249808	4117239	4252571	4115371	54	LINCOLN	MNTEBELLO	0030	04	3	4257734	4119653	4260249	4119784
15	OLYMPIC	MNTEBELLO	0032	12	03	4252575	4115375	4256109	4114534	55	LINCOLN	MNTEBELLO	0030	05	3	4260683	4119798	4261381	4121027
16	BLUFF	MNTEBELLO	0267	02	03	4257249	4114983	4257577	4116260	56	LINCOLN	MNTEBELLO	0030	06	3	4261345	4121005	4262792	4121888
17	1ST	MNTEBELLO	0093	02	03	4257760	4116963	4257960	4117820	57	OAKMONT	MNTEBELLO	0270	01	3	4257824	4120437	4258964	4120573
18	POPLAR	MNTEBELLO	0266	01	03	4257469	4115862	4257788	4115752	58	OAKMONT	MNTEBELLO	0270	02	3	4259743	4120649	4260157	4120633
19	POPLAR	MNTEBELLO	0266	02	03	4257790	4115768	4259112	4121181	59	OAKMONT	MNTEBELLO	0270	03	3	4260435	4120621	4260819	4120445
20	2ND	MNTEBELLO	0265	01	03	4256941	4115033	4257575	4117672	60	OAKMONT	MNTEBELLO	0270	04	3	4260817	4120427	4260259	4119840
21	3RD	MNTEBELLO	0264	02	03	4256479	4114450	4257265	4117756	61	SANCHEZ	MNTEBELLO	0269	01	3	4260229	4119782	4260835	4122187
22	4TH	MNTEBELLO	0263	02	03	4256103	4114522	4257101	4118441	62	AVENIDA	MNTEBELLO	0275	01	3	4256287	4120683	4260207	4121368
23	5TH	MNTEBELLO	0262	02	03	4255837	4114604	4256765	4118569	63	AVENIDA	MNTEBELLO	0275	02	3	4260205	4121372	4261884	4120327
24	6TH	MNTEBELLO	0274	01	03	4255493	4114685	4256763	4119952	64	AVENIDA	MNTEBELLO	0275	03	3	4261882	4120323	4261483	4119584
25	MONTEBELLO	MNTEBELLO	0261	02	03	4254830	4114520	4255817	4118793	65	SN GABREL	MNTEBELLO	0194	01	3	4256351	4120839	4257029	4121776
26	10TH	MNTEBELLO	0259	01	03	4254042	4115027	4255026	4119021	66	SN GABREL	MNTEBELLO	0194	02	3	4257027	4121766	4257039	4123110
27	GREENWOOD	MNTEBELLO	0260	02	03	4253652	4114678	4254220	4117135	67	SN GABREL	MNTEBELLO	0194	03	3	4257061	4123124	4258690	4124301
28	TAYLOR	MNTEBELLO	0258	02	03	4252987	4114987	4253944	4118885	68	SN GABREL	MNTEBELLO	0194	04	3	4259845	4124543	4258734	4124295
29	MAPLE	MNTEBELLO	0257	02	03	4252121	4114821	4253574	4120691	69	SN GABREL	MNTEBELLO	0194	05	3	4259863	4124559	4260209	4124994
30	VAIL	MNTEBELLO	0256	02	03	4251549	4116026	4252459	4119630	70	SN GABREL	MNTEBELLO	0194	06	3	4260221	4124976	4259376	4126003
31	18TH	MNTEBELLO	0242	01	03	4251279	4116246	4252461	4120979	71	GERMAIN	MNTEBELLO	0273	03	3	4252099	4121187	4254070	4122054
32	GERMAIN	MNTEBELLO	0273	01	03	4250972	4116466	4251355	4117878	72	15TH	MNTEBELLO	0280	01	3	4253546	4121880	4253522	4123192
33	GERMAIN	MNTEBELLO	0273	02	03	4251491	4118457	4252113	4121226	73	VAIL	MNTEBELLO	0256	03	3	4252187	4123071	4252703	4122519
34	20TH	MNTEBELLO	0241	01	03	4250802	4117213	4251014	4117940	74	VAIL	MNTEBELLO	0256	04	3	4252697	4122517	4252591	4121384
35	20TH	MNTEBELLO	0241	02	03	4251108	4118499	4251827	4121236	75	WMORELAND	MNTEBELLO	0281	01	3	4251098	4122022	4253526	4123168
36	WILCOX	MNTEBELLO	0240	01	03	4250052	4117375	4251120	4121846	76	WMORELAND	MNTEBELLO	0281	03	3	4253518	4123168	4254082	4123608
37	V V VERDE	MNTEBELLO	0272	01	03	4250030	4118811	4250028	4120078	77	WMORELAND	MNTEBELLO	0281	02	3	4251120	4122048	4252411	4123256
38	V V VERDE	MNTEBELLO	0272	02	03	4250034	4120238	4250048	4121568	78	POMONA FY	MNTEBELLO	0130	08	3	4249688	4124591	4254078	4124701
39	L ANGELES	MNTEBELLO	0464	04	03	4251801	4116234	4252763	4116024	79	POMONA FY	MNTEBELLO	0130	09	3	4254080	4124703	4257411	4125512
40	L ANGELES	MNTEBELLO	0464	05	03	4253241	4115920	4257249	4114953	80									

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TIME OF ENTRY - 11:00:23 DATE OF LAST UPDATE 07-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 11:00:23    DATE OF LAST UPDATE - 07-FEB-77    OPERATOR NAME - HATIS/PRENT
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20772 LOWER RIGHT = 20734 LOWER LEFT = 1238 UPPER LEFT = 1289
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	BOYLE	L ANGELES	0155	06	01	4221482	4127815	4221390	4129713	41	SAN PEDRO	L ANGELES	0149	01	1	4211926	4125700	4213744	4127809
2	ST LOUIS	L ANGELES	0087	01	01	4221876	4126069	4224871	4131787	42	SAN PEDRO	L ANGELES	0149	02	1	4213748	4127813	4214416	4129181
3	STATE	L ANGELES	0088	01	01	4221438	4127488	4221718	4127418	43	SAN PEDRO	L ANGELES	0149	03	1	4214404	4129073	4215397	4131519
4	STATE	L ANGELES	0088	02	01	4221724	4127440	4221830	4128819	44	WALL	L ANGELES	0148	01	1	4212166	4127045	4213752	4128963
5	STATE	L ANGELES	0088	03	01	4221824	4128845	4224501	4133776	45	WALL	L ANGELES	0148	02	1	4213746	4128955	4214188	4129923
6	STATE	L ANGELES	0088	04	01	4224511	4133772	4224306	4134133	46	L ANGELES	L ANGELES	0464	06	1	4211986	4127987	4213858	4130064
7	STATE	L ANGELES	0088	05	01	4224314	4134141	4224517	4134459	47	L ANGELES	L ANGELES	0464	07	1	4213888	4130102	4215705	4132715
8	STATE	L ANGELES	0088	06	01	4224515	4134463	4224843	4134562	48	MAIN	L ANGELES	0143	01	1	4211990	4128530	4215947	4133557
9	SANTA FE	L ANGELES	0139	01	01	4218215	4112405	4218203	4119286	49	BROADWAY	L ANGELES	0144	01	1	4212018	4129827	4214632	4133185
10	SANTA FE	L ANGELES	0139	02	01	4218189	4119306	4218329	4122828	50	HILL	L ANGELES	0384	03	1	4211924	4130344	4213994	4133000
11	SANTA FE	L ANGELES	0139	03	01	4218325	4122828	4218113	4127105	51	HOPE	L ANGELES	0461	09	1	4212026	4132489	4213104	4133908
12	SANTA FE	L ANGELES	0139	04	01	4218097	4127121	4217469	4127632	52	FLORAL	L ANGELES	0023	02	1	4229710	4127759	4230640	4127781
13	MATEC	L ANGELES	0140	01	01	4217667	4121805	4217635	4125012	53	FLORAL	L ANGELES	0023	03	1	4230630	4127799	4232606	4128460
14	MATEC	L ANGELES	0140	02	01	4217631	4125026	4217361	4127578	54	HAMMEL	LA COUNTY	0070	01	2	4231284	4127746	4236093	4127738
15	MATEC	L ANGELES	0140	03	01	4217347	4127590	4217013	4127793	55	FISHER	LA COUNTY	0071	01	2	4233500	4128899	4236133	4128065
16	VIGNES	L ANGELES	0153	01	01	4217179	4128392	4217145	4130088	56	FISHER	LA COUNTY	0071	02	2	4236701	4128053	4238957	4128073
17	VIGNES	L ANGELES	0153	02	01	4217153	4130086	4217443	4131641	57	FOLSOM	LA COUNTY	0069	01	2	4233472	4128787	4236383	4128765
18	HEWITT	L ANGELES	0154	01	01	4216855	4127045	4216685	4128294	58	MCPHERRIN	L ANGELES	0017	01	1	4245331	4127199	4245903	4127175
19	ALAMEDA	VERNON	0142	01	17	4215563	4112419	4215343	4117792	59	MCPHERRIN	MNTRY PRK	0017	02	7	4245903	4127175	4247881	4128404
20	ALAMEDA	L ANGELES	0142	02	01	4215339	4117794	4215761	4126317	60									
21	ALAMEDA	L ANGELES	0142	03	01	4215747	4126297	4215875	4128981	61									
22	ALAMEDA	L ANGELES	0142	04	01	421586													

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TIME OF ENTRY - 10:45:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20768 LOWER RIGHT = 20621 LOWER LEFT = 1120 UPPER LEFT = 1277
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17260 LOWER RIGHT = 3292 LOWER LEFT = 3521 UPPER LEFT = 17496

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NO	STREET	CITY	ST SEG CY	STARTX	STARTY	ENDX	ENDY NO
1	FREEMONT	MNTRY PRK	0011 02 07	4244292	4133127	4244258	4133885 41
2	ROCA WAY	MNTRY PRK	0007 01 07	4248218	4130715	4249348	4130006 42
3	FLOREAL	MNTRY PRK	0023 04 07	4248900	4125979	4249996	4125924 43
4	GRAYLOCK	MNTRY PRK	0026 01 07	4247940	4127764	4248222	4127155 44
5	GRAYLOCK	MNTRY PRK	0026 02 07	4248226	4127153	4248156	4125995 45
6	MERIDA	L ANGELES	0162 01 01	4239798	4128233	4240206	4127744 46
7	MERIDA	MNTRY PRK	0162 02 07	4240208	4127740	4240488	4126882 47
8	BROOKLYN	LA COUNTY	0073 02 02	4229677	4126954	4242442	4126888 48
9	BROOKLYN	LA COUNTY	0073 03 02	4242446	4126866	4244052	4125462 49
10	MICHIGAN	LA COUNTY	0072 01 02	4230013	4126065	4233383	4126085 50
11	MICHIGAN	LA COUNTY	0072 02 02	4233441	4126139	4234287	4126227 51
12	MICHIGAN	LA COUNTY	0072 03 02	4234309	4126235	4236228	4126257 52
13	IST	L ANGELES	0338 08 01	4223783	4128481	4229839	4125293 53
14	PALMATTO	L ANGELES	0141 01 01	4215923	4126884	4217515	4127077 54
15	PALMATTO	L ANGELES	0141 02 01	4217503	4127065	4218241	4127020 55
16	WHITTIER	L ANGELES	0034 01 01	4212160	4129090	4215889	4126243 56
17	WHITTIER	L ANGELES	0034 02 01	4215903	4126219	4218955	4126331 57
18	WHITTIER	L ANGELES	0034 03 01	4218955	4126327	4220727	4125824 58
19	WHITTIER	L ANGELES	0034 04 01	4220727	4125818	4229803	4120930 59
20	WHITTIER	LA COUNTY	0034 05 02	4229819	4120950	4235410	4120845 60
21	WHITTIER	LA COUNTY	0034 06 02	4235408	4120847	4249588	4117103 61
22	HEREFORD	LA COUNTY	0041 01 02	4243696	4117015	4244366	4115820 62
23	CALZONA	L ANGELES	0095 01 01	4228467	4117389	4228481	4118241 63
24							64
25							65
26							66
27							67
28							68
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36							76
37							77
38							78
39							79
40							80

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TIME OF ENTRY - 15:07:06 : DATE OF LAST UPDATE 17-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 15:07:06 DATE OF LAST UPDATE - 17-JAN-77 OPERATOR NAME - KINGSFRESH
MAP X-COORDINATE DATA - UPPER RIGHT = 4280000 LOWER RIGHT = 4280000 LOWER LEFT = 4249600 UPPER LEFT = 4249600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20490 LOWER RIGHT = 20643 LOWER LEFT = 1452 UPPER LEFT = 1351
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15080 LOWER RIGHT = 1100 LOWER LEFT = 986 UPPER LEFT = 14971

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	
1	POMONA FV	MNTEBELLO	0130	10	03	4257431	4125512	4260021	4125708	41	CRATON	PCO	RVERA	0294	02	4	4270217	4116352	4269853	4117441
2	POMONA FV	MNTEBELLO	0130	11	03	4260027	4125708	4264779	4127382	42	DURFEE	PCO	RVERA	0236	10	4	4263960	4112620	4265593	4118899
3	POMONA FV	MNTEBELLO	0130	12	03	4264779	4127384	4269463	4127638	43	DURFEE	PCO	RVERA	0236	11	4	4265603	4118895	4266372	4119400
4	POMONA FV	PCO RVERA	0130	14	24	4278199	4125852	4282771	4123408	44	DURFEE	PCO	RVERA	0236	12	4	4266366	4119398	4266668	4120072
5	SGR FWY	WHITTIER	0244	05	28	4279678	4125056	4276512	4122619	45	CATE	PCO	RVERA	0290	01	4	4266656	4118683	4266376	4119406
6	SGR FWY	WHITTIER	0244	04	28	4276534	4122631	4271228	4118439	46	BEVERLY	PCO	RVERA	0133	05	4	4249702	4120254	4259572	4117882
7	SGR FWY	WHITTIER	0244	03	28	4271226	4118439	4270542	4116298	47	BEVERLY	PCO	RVERA	0133	06	4	4259602	4117856	4267970	4114711
8	SGR FWY	WHITTIER	0244	02	28	4270542	4116298	4268989	4114666	48	BEVERLY	PCO	RVERA	0133	07	4	4267964	4114713	4270532	4112656
9	SGR FWY	WHITTIER	0244	01	28	4268993	4114664	4267446	4112644	49	ACACIA	PCO	RVERA	0286	01	4	4262604	4116478	4263006	4117177
10	DURFEE	PCO RVERA	0236	01	24	4276544	4122879	4276238	4126051	50	ACACIA	PCO	RVERA	0286	02	4	4263006	4117181	4263244	4118561
11	DURFEE	PCO RVERA	0236	09	24	4275910	4125899	4274860	4125766	51	LINDSEY	PCO	RVERA	0287	01	4	4263826	4114859	4264387	4116555
12	DURFEE	PCO RVERA	0236	08	24	4274862	4125768	4275410	4126347	52	LINDSEY	PCO	RVERA	0287	02	4	4264379	4116557	4264765	4118230
13	DURFEE	PCO RVERA	0236	07	24	4274844	4125782	4273063	4124643	53	SGR FWY	PCO	RVERA	0296	01	4	4265803	4114512	4265971	4115063
14	DURFEE	PCO RVERA	0236	06	24	4273063	4124645	4270954	4123680	54	SGR FWY	PCO	RVERA	0296	02	4	4265971	4115065	4266624	4115628
15	DURFEE	PCO RVERA	0236	05	24	4270962	4123688	4267994	4122891	55	SGR FWY	PCO	RVERA	0296	03	4	4266622	4115628	4267480	4117217
16	SIPHON	PCO RVERA	0248	01	24	4268042	4122699	4271364	4121193	56	SGR FWY	PCO	RVERA	0296	04	4	4267472	4117203	4268469	4117656
17	ROSEMEAD	PCO RVERA	0171	03	24	4268447	4125632	4266099	4120757	57	SGR FWY	PCO	RVERA	0296	05	4	4268473	4117642	4270083	4117514
18	ROSEMEAD	PCO RVERA	0171	02	24	4266089	4120753	4264193	4119197	58	SGR FWY	PCO	RVERA	0296	06	4	4270081	4117516	4271788	4119438
19	ROSEMEAD	PCO RVERA	0171	01	24	4264197	4119191	4262356	4112586	59	BEVERLY	PCO	RVERA	0251	01	4	4260049	4117251	4261117	4116102
20	SANDOVAL	PCO RVERA	0292	01	24	4266906	4118573	4267492	4116847	60	BEVERLY	PCO	RVERA	0251	02	4	4			

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TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 17-JAN-77 OPERATOR NAME - FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4200000 LOWER LEFT = 4240000 UPPER LEFT = 4280000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4140000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20496 LOWER RIGHT = 20652 LOWER LEFT = 1462 UPPER LEFT = 1355
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15084 LOWER RIGHT = 1111 LOWER LEFT = 996 UPPER LEFT = 14980

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	DURFEE	S EL MNTE	0236	02	25	4276254	4126032	4276560	4127041	41	LERNER	S EL MNTE	02:6	01	5	4270993	4127557	4271717	4127573
2	DURFEE	S EL MNTE	0236	03	25	4276572	4127045	4283655	4134223	42	LERNER	S EL MNTE	02:6	02	5	4271729	4127579	4273654	4129440
3	DURFEE	S EL MNTE	0236	04	25	4283649	4134245	4284362	4135939	43	FAUCETT	S EL MNTE	02:7	01	5	4272180	4128048	4273168	4127055
4	FARNDON	S EL MNTE	0220	03	25	4276674	4127189	4277416	4126682	44	FAUCETT	S EL MNTE	02:7	02	5	4273174	4127043	4273864	4126777
5	FARNDON	S EL MNTE	0220	04	25	4277432	4126690	4278581	4126861	45	MAPLE FLD	S EL MNTE	02:9	01	5	4274046	4127411	4275421	4126612
6	SLACK	S EL MNTE	0221	02	25	4276964	4127499	4277580	4127013	46	CENTRAL	S EL MNTE	01:53	15	5	4273618	4128943	4275595	4126939
7	SLACK	S EL MNTE	0221	03	25	4277568	4127007	4278327	4127131	47	SLACK	S EL MNTE	02:21	01	5	4274789	4129682	4276900	4127527
8	PARKWAY	S EL MNTE	0234	01	25	4279331	4127039	4281378	4128791	48	REMER	S EL MNTE	02:5	01	5	4275113	4129976	4275393	4129692
9	PARKWAY	S EL MNTE	0234	02	25	4281378	4128791	4282161	4129612	49	REMER	S EL MNTE	02:5	02	5	4276122	4129087	4276628	4128547
10	PARKWAY	S EL MNTE	0234	03	25	4282161	4129612	4283543	4131160	50	REMER	S EL MNTE	02:5	03	5	4276886	4128328	4277372	4127890
11	PARKWAY	S EL MNTE	0234	04	25	4284054	4132455	4284306	4133092	51	THENES	S EL MNTE	02:22	01	5	4275771	4130693	4278951	4127317
12	BURKETT	S EL MNTE	0235	01	25	4278741	4127039	4281793	4130112	52	RUSH	S EL MNTE	01:06	03	5	4276546	4131612	4278449	4129748
13	BURKETT	S EL MNTE	0235	02	25	4281793	4130112	4282793	4130975	53	TYLER	S EL MNTE	02:25	02	5	4276998	4131938	4276862	4137427
14	HERB	S EL MNTE	0223	01	25	4279115	4128983	4278687	4128555	54	NEVADA	S EL MNTE	02:2	01	5	4276660	4133977	4276534	4137377
15	HERB	S EL MNTE	0223	02	25	4278687	4128555	4279445	4127812	55	LEXINGTON	S EL MNTE	02:1	01	5	4275987	4134009	4275871	4135021
16	FINEVIEW	S EL MNTE	0226	01	25	4281716	4128332	4277860	4132161	56	GRANADA	S EL MNTE	02:0	01	5	4275287	4135052	4275257	4135833
17	KLINGERMN	S EL MNTE	0185	05	25	4282473	4129400	4278793	4133092	57	HOYT	S EL MNTE	02:09	01	5	4274911	4135338	4274971	4129932
18	FELIPE	S EL MNTE	0232	01	25	4280198	4132633	4280674	4132133	58	DOREEN	S EL MNTE	02:07	01	5	4274317	4130367	4274273	4131450
19	FELIPE	S EL MNTE	0232	02	25	4281176	4131676	4282297	4130529	59	DOREEN	S EL MNTE	02:07	02	5	4274233	4133632	4274231	4135124
20	ELLIOTT	S EL MNTE	0227	01	25	4278477	4134015	4279711	4134003	60	CENTRAL	S EL MNTE	01:53	16	5	4273612	4128919	4273550	4135997
21	ELLIOTT	S EL MNTE	0227	02	25	4279721	4134005	4283491	4130283	61	EDWARDS	S EL MNTE	02:08						

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME C50010.002 REVISION 2

TIME OF ENTRY - 16:05:05 DATE OF LAST UPDATE 17-JAN-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249600 UPPER LEFT = 4249600

MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4140000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20490 LOWER RIGHT = 20643 LOWER LEFT = 1452 UPPER LEFT = 1351

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15000 LOWER RIGHT = 1100 LOWER LEFT = 986 UPPER LEFT = 14971

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	SGR FWY	WHITTIER	0244	06	28	4279700	4125080	4281297	4126651	41	LINCOLN	MNTRY PRK	0030	07	7	4251118	4132570	4251046	4135229
2	SGR FWY	WHITTIER	0244	07	28	4281299	4126647	4284034	4128071	42	RUSSELL	MNTRY PRK	0174	01	7	4251551	4131497	4251521	4134229
3	SGR FWY	WHITTIER	0244	08	28	4284028	4128071	4284954	4128988	43	RUSSELL	MNTRY PRK	0174	02	7	4251399	4134203	4251407	4135245
4	SGR FWY	WHITTIER	0244	09	28	4284968	4128990	4287215	4133991	44	ALHAMBRA	MNTRY PRK	0175	01	7	4252439	4132576	4252329	4138512
5	PIONEER	WHITTIER	0295	01	28	4268112	4112654	4268273	4113265	45	SEFTON	MNTRY PRK	0176	01	7	4253067	4132580	4253047	4134277
6	PIONEER	WHITTIER	0295	02	28	4268273	4113265	4269231	4114426	46	SEFTON	MNTRY PRK	0176	02	7	4253039	4134598	4253039	4135267
7	PIONEER	WHITTIER	0295	04	28	4269239	4114416	4270572	4115964	47	ORANGE	MNTRY PRK	0177	01	7	4253732	4132594	4253694	4135271
8	PIONEER	WHITTIER	0295	03	28	4270562	4115958	4271388	4115936	48	POMELO	MNTRY PRK	0178	01	7	4254410	4132600	4254360	4134318
9	ADELE	WHITTIER	0246	01	28	4269647	4112610	4270007	4113071	49	SN GABREL	ROSEMEAD	0194	07	8	4259370	4125997	4260367	4128692
10	ADELE	WHITTIER	0246	02	28	4270149	4113275	4270381	4113543	50	SN GABREL	ROSEMEAD	0194	08	8	4260387	4128679	4260257	4138794
11	DEVERON	WHITTIER	0245	02	28	4270808	4112648	4270778	4113177	51	POT GRAND	ROSEMEAD	0180	03	8	4259070	4131332	4260553	4131468
12	DEVERON	WHITTIER	0245	01	28	4270778	4113167	4269217	4114434	52	RUSH	ROSEMEAD	0186	01	8	4260779	4131344	4263638	4131380
13	STRONG	WHITTIER	0247	01	28	4269665	4114955	4270970	4113972	53	GRAVES	ROSEMEAD	0172	02	8	4257666	4132664	4260687	4132113
14	WRKMN MLL	WHITTIER	0243	01	28	4271122	4112656	4270892	4113585	54	GRAVES	ROSEMEAD	0172	03	8	4260683	4132117	4261393	4132113
15	WRKMN MLL	WHITTIER	0243	02	28	4270906	4113573	4271160	4115559	55	KL NGERMN	ROSEMEAD	0185	01	8	4261737	4132726	4264183	4132752
16	WRKMN MLL	WHITTIER	0243	03	28	4271162	4115555	4271508	4116112	56	GARVALIA	ROSEMEAD	0188	01	8	4255106	4133619	4257195	4133669
17	WRKMN MLL	WHITTIER	0243	04	28	4271506	4116112	4272705	4116366	57	NEUMARK	ROSEMEAD	0085	03	8	4255048	4134446	4257682	4134486
18	WRKMN MLL	WHITTIER	0243	05	28	4272707	4116364	4274393	4118108	58	FERN	ROSEMEAD	0184	01	8	4261361	4134639	4265659	4134087
19	WRKMN MLL	WHITTIER	0243	06	28	4274389	4118108	4276508	4119922	59	GARVEY	ROSEMEAD	0166	08	8	4260657	4135349	4271616	4135469
20	WRKMN MLL	WHITTIER	0243	07	28	4276480	4119692	4276654	4120587	60	PARK	ROSEMEAD	0183	01	8	4260357	4135991	4261555	4136041
21	WRKMN MLL	WHITTIER	0243	08	28	4276532	4122611	4276644	4120609	61	WINTMORE	ROSEMEAD	0182	01	8	4265577	4136512	4266986	4136562
22	WRKMN MLL	WHITTIER	0243	09	28	4276648	4120609	4278553	4122511	62	EMERSON	ROSEMEAD	0583	02	8	4265043	4136776	4265567	4136786
23	WRKMN MLL	WHITTIER	0243	10	28	4278563	4122503	4280056	4123406	63	DOROTHY	ROSEMEAD	0181	01	8	4260265	4137177	4262902	4137247
24	WRKMN MLL	WHITTIER	0243	11	28	4280058	4123406	4280098	4124557	64	HELLMAN	ROSEMEAD	0001	03	8	4260621	4138018	4263056	4138036
25	WRKMN MLL	WHITTIER	0243	12	28	4280098	4124557	4281139	4124303	65	STEVENS	ROSEMEAD	0187	01	8	4255517	4132658	4255501	4133667
26	WRKMN MLL	WHITTIER	0243	13	28	4281137	4124305	4287608	4127092	66	JACKSON	ROSEMEAD	0189	01	8	4256383	4132642	4256299	4138796
27	POMONA FV	WHITTIER	0130	13	28	4282779	4123408	4287614	4123280	67	VELYN	ROSEMEAD	0190	01	8	4257203	4134470	4257141	4138007
28	VALLEY BD	WHITTIER	0237	03	28	4284624	4134013	4287526	4131837	68	DEL MAR	ROSEMEAD	0191	01	8	4257710	4132644	4257573	4138628
29	POT GRAND	MNTRY PRK	0180	01	07	4251213	4124709	4257099	4128067	69	KELBURN	ROSEMEAD	0192	01	8	4259120	4132430	4259068	4135381
30	POT GRAND	MNTRY PRK	0180	02	07	4257095	4128067	4259102	4131332	70	PINE	ROSEMEAD	0284	05	8	4259865	4132257	4259839	4135385
31	GRAVES	MNTRY PRK	0172	01	07	4249638	4132566	4257642	4132684	71	CHARLOTTE	ROSEMEAD	0195	01	8	4260979	4134191	4260967	4138018
32	NEUMARK	MNTRY PRK	0005	04	07	4249576	4134193	4255046	4134286	72	WLNUTGRVE	ROSEMEAD	0196	01	8	4263024	4127552	4262872	4138804
33	GARVEY	MNTRY PRK	0166	07	07	4249598	4135196	4260643	4135359	73	BARTLETT	ROSEMEAD	0197	01	8	4263868	4132732	4263790	4138770
34	EMERSON	MNTRY PRK	0583	01	07	4249690	4136524	4260293	4136694	74	HELLMAN	ROSEMEAD	0001	04	8	4263140	4138028	4263134	4138690
35	HELLMAN	MNTRY PRK	0001	02	07	4249596	4137859	4260619	4138026	75	HELLMAN	ROSEMEAD	0001	05	8	4263138	4138700	4265035	4138740
36	SN B FWY	MNTRY PRK	0126	08	07	4249666	4138538	4264847	4138902	76	MUSCATEL	ROSEMEAD	0198	01	8	4264143	4132750	4264427	4133805
37	RAMONA	MNTRY PRK	0179	01	07	4249788	4132562	4249774	4135225	77	MUSCATEL	ROSEMEAD	0198	02	8	4264423	4133807	4264285	4138776
38	GARFIELD	MNTRY PRK	0031	16	07	4249696	4132536	4250584	4134051	78	ROSEMEAD	ROSEMEAD	0199	01	8	4265639	4134075	4265585	4138003
39	GARFIELD	MNTRY PRK	0031	17	07	4250586	4134041	4250472	4138538	79	ROSEMEAD	ROSEMEAD	0171	05	8	4268100	4135475	4264837	4138904
40	BALTIMORE	MNTRY PRK	0173	01	07	4250084	4135200	4250028	4137895	80	FLORAL	ROSEMEAD	0023	05	8	4249678	4126413	4251399	4126423

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TIME OF ENTRY - 10:40:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249600 UPPER LEFT = 4249600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20241 LOWER RIGHT = 20230 LOWER LEFT = 1032 UPPER LEFT = 1081
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15225 LOWER RIGHT = 1234 LOWER LEFT = 1366 UPPER LEFT = 15341
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NO	STREET	CITY	ST SEG CY	STARTX	STARTY	ENDX	ENDY
1	LOMA	S EL MONTE	0200	01	25	4267222	4127557
2	LOMA	S EL MONTE	0200	02	25	4267246	4134676
3	LOMA	S EL MONTE	0200	03	25	4267240	4137431
4	TROY	S EL MONTE	0201	01	23	4268116	4131266
5	ROSEMEAD	S EL MONTE	0171	04	23	4268628	4125331
6	CHICO	S EL MONTE	0202	02	25	4269858	4137655
7	MEEKER	EL MONTE	0230	02	26	4280003	4133638
8	LS AMIGOS	MNTEBELLO	0282	01	03	4258127	4120310
9	LS AMIGOS	MNTEBELLO	0282	02	03	4257929	4121280
10	LS AMIGOS	MNTEBELLO	0282	03	03	4259193	4121725
11	LS AMIGOS	MNTEBELLO	0282	04	03	4260659	4122022
12	LS AMIGOS	MNTEBELLO	0282	05	03	4261601	4121953
13	2ND	MNTEBELLO	0265	03	03	4258205	4119489
14	2ND	MNTEBELLO	0265	04	03	4258431	4120471
15	1ST	MNTEBELLO	0093	01	03	4257469	4115496
16	BEACH	MNTEBELLO	0279	01	03	4259248	4113290
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TIME OF ENTRY - 17:45:07 DATE OF LAST UPDATE 05-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 17:45:07 DATE OF LAST UPDATE - 03-MAY-77 OPERATOR NAME - HANS-PIERCE
MAP X-COORDINATE DATA - UPPER RIGHT = 4280000 LOWER RIGHT = 4280000 LOWER LEFT = 4249600 UPPER LEFT = 4249600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4150000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20394 LOWER RIGHT = 20450 LOWER LEFT = 1264 UPPER LEFT = 1262
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20786 LOWER RIGHT = 1808 LOWER LEFT = 1849 UPPER LEFT = 20824

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GRAND	ROSEMEAD	1522'	01	08	4261234	4145838	4264409	4145888	41	BARTLETT	ROSEMEAD	0197	03	8	4264507	4139454	4264345	4145894
2	WELLS	ROSEMEAD	1523'	01	08	4261639	4143245	4264405	4143283	42	IVAR	ROSEMEAD	1520	01	8	4263185	4138689	4265151	4139424
3	MISSION	ROSEMEAD	1525	01	08	4261276	4145219	4268117	4142095	43	IVAR	ROSEMEAD	1520	02	8	4265099	4139930	4265069	4143405
4	VALLEY BD	ROSEMEAD	0237'	04	08	4261272	4141649	4270335	4142051	44	IVAR	ROSEMEAD	1520	03	8	4265295	4143279	4265233	4145576
5	VALLEY BD	ROSEMEAD	0237'	05	08	4270315	4142013	4271049	4141669	45	ROSEMEAD	ROSEMEAD	0171	14	8	4265826	4138685	4265766	4141855
6	SCOTT	ROSEMEAD	1531	01	08	4263068	4142622	4264429	4142646	46	ROSEMEAD	ROSEMEAD	0171	15	8	4265770	4141853	4265732	4145378
7	NEWBY	ROSEMEAD	1530	01	08	4265063	4142522	4265806	4142544	47	HART	ROSEMEAD	1513	01	8	4266864	4140601	4266852	4141937
8	NEWBY	ROSEMEAD	1530	02	08	4265752	4142628	4266892	4142660	48	HART	ROSEMEAD	1513	02	8	4267101	4138649	4267066	4140025
9	ZERALDA	ROSEMEAD	1527	01	08	4263324	4145265	4264393	4144679	49	ENCIENTA	ROSEMEAD	1521	01	8	4267473	4141887	4267397	4144727
10	BARRETTE	ROSEMEAD	1528	01	08	4264677	4144987	4265295	4144753	50	HONDO	ROSEMEAD	1514	01	8	4268449	4138737	4268365	4141979
11	LWR AZUSA	ROSEMEAD	1526	01	08	4265748	4144180	4267943	4144548	51	HONDO	ROSEMEAD	1514	02	8	4268397	4141923	4268868	4143876
12	RIO DELL	ROSEMEAD	1529	01	08	4267395	4143657	4268367	4143673	52	ELLIS	ROSEMEAD	1515	01	8	4269740	4138733	4269728	4140888
13	ROSE	ROSEMEAD	1524	01	08	4267419	4143139	4268427	4143241	53	ELLIS	ROSEMEAD	1515	02	8	4269722	4140844	4270257	4141903
14	ROSE	ROSEMEAD	1524	02	08	4268413	4143235	4269054	4143101	54	STRANG	ROSEMEAD	1516	01	8	4271063	4138841	4270947	4143365
15	ROSE	ROSEMEAD	1524	03	08	4270417	4142630	4271025	4142412	55	0.2E RSMD	ROSEMEAD	2743	01	8	4267123	4140083	4267121	4140761
16	GUESS	ROSEMEAD	1510	01	08	4262615	4141002	4263096	4140990	56	0.3E ALHB	ROSEMEAD	2731	01	8	4254071	4135979	4254067	4137023
17	GUESS	ROSEMEAD	1510	02	08	4263550	4141044	4264046	4141062	57	0.3E ALHB	MNTRY PRK	2732	01	7	4254061	4137357	4254053	4138274
18	GUESS	ROSEMEAD	1510	03	08	4264425	4140970	4265788	4141024	58	0.3E ALHB	MNTRY PRK	2733	01	7	4254047	4138272	4254053	4139065
19	GUESS	ROSEMEAD	1510	04	08	4265774	4141144	4269500	4141236	59	0.2W JKSN	MNTRY PRK	2739	01	7	4255476	4136121	4255452	4136796
20	GUESS	ROSEMEAD	1510	05	08	4269450	4141192	4271093	4140902	60	0.2W JKSN	MNTRY PRK	2738	01	7	4255454	4137421	4255436	4138132
21	NORWOOD	ROSEMEAD	1517	01	08	4261759	4140187	4262451											

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TIME OF ENTRY - 17:17:30 DATE OF LAST UPDATE 06-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 17:17:30      DATE OF LAST UPDATE - 06-MAY-77      OPERATOR NAME - HINGSTADT
MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249600 UPPER LEFT = 4249600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20397 LOWER RIGHT = 20455 LOWER LEFT = 1262 UPPER LEFT = 1269
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20784 LOWER RIGHT = 1810 LOWER LEFT = 1847 UPPER LEFT = 20825

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	0.35	GRV	ROSEMEAD	2730	01	08	4261114	4133769	4260280	4133807	41	0.45	PECK	WHITTIER	2770	01	8	4274991	4120546	4274423	4121244
2	0.35	GRV	ROSEMEAD	2729	01	08	4260262	4133795	4259665	4133827	42	0.85	PECK	WHITTIER	2769	01	8	4273815	4119486	4273178	4120271
3	0.35	GRV	ROSEMEAD	2728	01	08	4259677	4133817	4258951	4133817	43	1.05	PECK	WHITTIER	2768	01	8	4272512	4118581	4271908	4119252
4	0.2W	WLGR	ROSEMEAD	2740	01	08	4261906	4138298	4261904	4138977	44	1.0N	PNRR	WHITTIER	2780	01	8	4276011	4118255	4275249	4119098
5	0.3N	GRV	ROSEMEAD	2742	01	08	4265021	4136987	4264249	4136981	45	0.7N	PNRR	WHITTIER	2779	01	8	4274957	4117334	4274169	4118211
6	0.3N	GRV	ROSEMEAD	2741	01	08	4264235	4136983	4263463	4136959	46	0.5N	PNRR	WHITTIER	2778	01	8	4274097	4116637	4273328	4117390
7	0.3E	STRG	ROSEMEAD	2744	01	08	4272262	4138084	4272706	4139095	47	0.2N	PNRR	WHITTIER	2777	01	8	4272610	4115606	4272202	4116607
8	0.3W	HOY	ROSEMEAD	2750	01	08	4273468	4137481	4273933	4138480	48	0.9N	BVLY	WHITTIER	2775	01	8	4271594	4117520	4270825	4117932
9	0.2W	PECK	ROSEMEAD	2749	01	08	4278090	4136736	4278070	4137663	49	0.6N	BVLY	WHITTIER	2766	01	8	4271128	4116225	4270301	4116543
10	0.2E	VLL	EL MONTE	2812	01	26	4281107	4136702	4281409	4137579	50	0.4N	BVLY	WHITTIER	2765	01	8	4270405	4114975	4269705	4115632
11	0.3E	VLL	EL MONTE	2810	01	26	4282328	4136047	4282822	4137165	51	0.2N	BVLY	WHITTIER	2764	01	8	4269663	4114240	4268957	4114927
12	0.8E	VLL	EL MONTE	2809	01	26	4283876	4135509	4284388	4136536	52	0.2S	BVLY	WHITTIER	2688	01	8	4268171	4113013	4267590	4113511
13	0.2E	DRFE	EL MONTE	2808	01	26	4286585	4135485	4286489	4136384	53	0.4E	DRFE	S EL MNTE	2774	01	5	4278404	4125013	4278830	4125982
14	0.2E	VLL	EL MONTE	2811	01	26	4283256	4135074	4283206	4135795	54	0.2E	DRFE	S EL MNTE	2773	01	5	4277248	4125511	4277416	4126116
15	0.3W	SGRF	EL MONTE	2807	01	26	4285055	4133018	4285709	4134047	55	0.3N	LERM	S EL MNTE	2746	01	5	4270719	4128725	4271686	4128707
16	0.3N	RUSH	S EL MNTE	2745	01	25	4269391	4132581	4270267	4132597	56	0.3N	SGRF	LA COUNTY	2772	01	2	4276051	4124280	4277100	4124412
17	0.3N	VLL	WHITTIER	2806	01	28	4287714	4133595	4287053	4134011	57	0.4S	PMNA	LA COUNTY	2758	01	2	4274419	4124552	4274013	4125375
18	0.1N	VLL	WHITTIER	2805	01	28	4287340	4132662	4286673	4133126	58	0.6S	PMNA	LA COUNTY	2757	01	2	4273378	4123961	4273014	4124750
19	0.2S	VLL	WHITTIER	2804	01	28	4286757	4130827	4285871	4131374	59	0.8S	PMNA	LA COUNTY	2756	01	2	4272296	4123437	4271934	4124218

TIME OF ENTRY - 18:25:05 DATE OF LAST UPDATE 06-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 18:25:05    DATE OF LAST UPDATE - 08-MAY-77    OPERATOR NAME - MATSUYAMA
MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249600 UPPER LEFT = 4249600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4122000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20397 LOWER RIGHT = 20455 LOWER LEFT = 1262 UPPER LEFT = 1269
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20784 LOWER RIGHT = 1810 LOWER LEFT = 1847 UPPER LEFT = 20825

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	0.9N	PMNA	LA COUNTY	2722	01	02	4260044	4130037	4261080	4130043	41	0.6N	AVMR	MNTEBELLO	2701	01	3	4257659	4124000	4258223	4123235
2	0.6N	PMNA	LA COUNTY	2723	01	02	4260020	4128709	4261174	4128745	42	1.0N	AVMR	MNTEBELLO	2702	01	3	4259551	4124684	4259747	4123927
3	0.3N	PMNA	LA COUNTY	2724	01	02	4259601	4127442	4260454	4127119	43										
4	1.6N	PMNA	LA COUNTY	2720	01	02	4257815	4130155	4258739	4129408	44										
5	1.9N	PMNA	LA COUNTY	2721	01	02	4258567	4131150	4259247	4130527	45										
6	1.4N	PMNA	MNTRY PRK	2719	01	07	4258003	4128491	4257325	4129081	46										
7	1.3N	PMNA	MNTRY PRK	2718	01	07	4257561	4127345	4256928	4128427	47										
8	1.0N	PMNA	MNTRY PRK	2717	01	07	4256274	4126823	4255780	4127768	48										
9	0.8N	PMNA	MNTRY PRK	2716	01	07	4255054	4126044	4254554	4127029	49										
10	0.5N	PMNA	MNTRY PRK	2715	01	07	4253873	4125441	4253399	4126380	50										
11	0.3N	PMNA	MNTRY PRK	2714	01	07	4252741	4125025	4252353	4125746	51										
12	0.3E	PTGR	MNTEBELLO	2703	01	03	4252667	4124206	4252667	4125005	52										
13	0.5E	PTGR	MNTRY PRK	2704	01	07	4254039	4124010	4253777	4125055	53										
14	0.7E	PTGR	MNTRY PRK	2705	01	07	4255264	4124202	4255012	4125283	54										
15	1.0E	PTGR	MNTRY PRK	2706	01	07	4256560	4124542	4256286	4125593	55										
16	0.4W	SGBB	MNTRY PRK	2707	01	07	4257639	4124820	4257419	4125870	56										
17	0.2W	SGBB	MNTRY PRK	2708	01	07	4258833	4124933	4258691	4125948	57										
18	0.3E	SGBB	MNTEBELLO	2709	01	03	4261540	4125361	4261116	4126470	58										
19	0.6E	SGBB	MNTRY PRK	2710	01	07	4262723	4125778	4262308	4126897	59										
20	0.8E	SGBB	MNTEBELLO	2711	01	03	4263783	4126216	4263377	4127193	60										
21	0.5W	RSMD	MNTEBELLO	2712	01	03	4265694	4126877	4265696	4128006	61										
22	0.2W	RSMD	MNTEBELLO	2713	01	03	4267206	4126777	4267200	4127878	62										
23	0.2E	DRFE	MNTEBELLO	2759	01	03	4268827	4121705	4269147	4122452	63										
24	0.5E	DRFE	MNTEBELLO	2760	01	03	4270281	4120896	4270743	4121971	64										
25	0.4N	GLL	MNTEBELLO	2693	01	03	4265245	4120487	4265794	4119709	6										

TIME OF ENTRY - 13:00:13 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 13:00:13    DATE OF LAST UPDATE - 02-FEB-77    OPERATOR NAME - HNSAARLEN
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HARRISON	PARAMOUNT	0099	01	05	4237630	4070022	4242191	4070018	41	PIXLEY	LA COUNTY	0739	02	2	4229303	4076705	4230238	4076725
2	71ST	PARAMOUNT	0098	01	05	4231758	4070048	4234343	4070068	42	ROSECRANS	PARAMOUNT	0500	07	5	4233726	4077319	4244754	4077402
3	72ND	PARAMOUNT	0038	01	05	4232965	4070668	4236952	4070754	43	ROSE	PARAMOUNT	0823	01	5	4238495	4078034	4240217	4078028
4	JACKSON	PARAMOUNT	0092	01	05	4236976	4070704	4242193	4070738	44	ACKLEY	PARAMOUNT	0824	01	5	4240844	4078024	4242219	4078034
5	CENTURY	BELLFLOWR	0105	01	19	4243703	4070469	4244680	4070473	45	HUUE	PARAMOUNT	0822	01	5	4238489	4078694	4241585	4078682
6	OLIVE	BELLFLOWR	0734	01	19	4243629	4071073	4244406	4071079	46	HAPPY	PARAMOUNT	0820	01	5	4236990	4079264	4238017	4079260
7	MARCELLE	PARAMOUNT	0732	03	05	4232959	4071041	4235124	4071067	47	PEARL	PARAMOUNT	0821	01	5	4238453	4079342	4239542	4079358
8	MARCELLE	BELLFLOWR	0732	04	19	4235656	4071063	4237010	4071071	48	GROVE	PARAMOUNT	0819	01	5	4235520	4079990	4238906	4079984
9	MONROE	PARAMOUNT	0733	01	05	4236946	4071366	4237937	4071356	49	MAIN	S GATE	0816	01	1	4235642	4082183	4238385	4082205
10	MONROE	PARAMOUNT	0733	02	05	4238351	4071358	4242213	4071372	50	MAIN	S GATE	0816	02	1	4238391	4082195	4239897	4081360
11	ALONDRA	PARAMOUNT	0497	06	05	4232289	4072020	4242201	4072104	51	FLORENCE	S GATE	0818	01	1	4238401	4081222	4243847	4078194
12	ALONDRA	PARAMOUNT	0497	07	05	4242225	4072104	4244750	4072114	52	CENTURY	PARAMOUNT	0505	09	5	4235764	4081996	4244700	4076956
13	MADISON	PARAMOUNT	0728	01	05	4234595	4072363	4235254	4072375	53	GOLDEN	S GATE	0817	01	1	4239897	4081184	4244043	4078826
14	MADISON	PARAMOUNT	0728	02	05	4236009	4072732	4238071	4072763	54	WILSON	S GATE	0814	01	1	4235566	4083150	4237829	4083172
15	MADISON	PARAMOUNT	0728	03	05	4238615	4072775	4243283	4072795	55	WILSON	S GATE	0814	02	1	4238353	4082891	4240193	4081852
16	VANS	PARAMOUNT	0729	01	05	4243685	4073104	4244750	4073128	56	GARDNDAL	S GATE	0812	01	1	4240508	4082307	4246005	4079260
17	MYRRH	PARAMOUNT	0724	03	05	4231674	4073272	4235264	4073350	57	PURITAN	DOWNEY	0811	01	6	4241000	4083050	4242508	4082121
18	MYRRH	PARAMOUNT	0724	04	05	4235991	4073324	4236926	4073356	58	PURITAN	DOWNEY	0811	03	6	4242460	4081974	4243337	4081445
19	JEFFERSON	PARAMOUNT	0725	01	05	4236984	4073427	4240780	4073443	59	PURITAN	DOWNEY	0811	03	6	4243367	4081378	4243897	4081192
20	JEFFERSON	PARAMOUNT	0725	02	05	4241423	4073427	4243441	4073415	60	ADOREE	DOWNEY	0810	01	6	4241437	4083762	4242958	4082843
21	MK KEPEL	PARAMOUNT	0719	01	05	4232929	4073910	4233640	4073920	61	ADOREE	DOWNEY	0810	02	6	4243591	4082494		

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TIME OF ENTRY - 13:55:08 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	JOSEPHINE	LYNWOOD	0765	01	04	4221879	4084563	4224548	4083758	41	ROSEMEAD	DOWNEY	0199	01	6	4238551	4088277	4242600	4085835
2	JOSEPHINE	LYNWOOD	0765	02	04	4224538	4083770	4228382	4082430	42	QUOIT	DOWNEY	0800	01	6	4242610	4085781	4244155	4084773
3	JOSEPHINE	LYNWOOD	0765	03	04	4228390	4082436	4228727	4082149	43	EVEREST	DOWNEY	0801	01	6	4244071	4084645	4245679	4083618
4	JOSEPHINE	LYNWOOD	0765	04	04	4228745	4082133	4233003	4080696	44	HONDO	DOWNEY	0804	01	6	4239753	4087978	4242616	4086186
5	LSEGUENDO	LA COUNTY	0502	03	02	4212015	4081908	4220194	4081894	45	DONOVAN	DOWNEY	0809	01	6	4243983	4085572	4247107	4083459
6	126TH	LA COUNTY	0539	06	02	4212523	4082659	4215571	4082739	46	RUNDELL	DOWNEY	0803	01	6	4240267	4088809	4242117	4087861
7	126TH	LA COUNTY	0539	07	02	4215607	4082562	4220190	4082566	47	MELVA	DOWNEY	0802	01	6	4242009	4087051	4243301	4086892
8	124TH	LA COUNTY	0710	01	02	4212375	4083196	4220011	4083245	48	ALAMEDA	DOWNEY	0798	01	6	4243485	4087081	4247815	4084605
9	122ND	LA COUNTY	0709	01	02	4212031	4084587	4212149	4084218	49	YANKEE	DOWNEY	0808	01	6	4241374	4088931	4242378	4088335
10	122ND	LA COUNTY	0709	02	02	4212189	4084174	4213090	4084045	50	ALBIA	DOWNEY	0807	01	6	4242678	4088038	4244149	4087091
11	122ND	LA COUNTY	0709	03	02	4213735	4083915	4215260	4083913	51	ALBIA	DOWNEY	0807	02	6	4245387	4086262	4247643	4085054
12	122ND	LA COUNTY	0709	04	02	4215607	4083901	4216948	4083915	52	NADA	DOWNEY	0805	01	6	4238928	4091557	4239857	4090998
13	122ND	LA COUNTY	0709	05	02	4217260	4083692	4217837	4083714	53	NADA	DOWNEY	0805	02	6	4240427	4090741	4241138	4090291
14	120TH	LA COUNTY	0708	01	02	4212055	4084597	4215072	4084633	54	NADA	DOWNEY	0805	03	6	4241857	4089856	4242239	4089611
15	120TH	LA COUNTY	0708	02	02	4215613	4084475	4218694	4084473	55	COLE	DOWNEY	0806	01	6	4242958	4089051	4245161	4087587
16	118TH	LA COUNTY	0537	05	02	4211983	4085610	4213066	4085598	56	COLE	DOWNEY	0806	02	6	4245163	4087579	4247459	4086573
17	118TH	LA COUNTY	0537	06	02	4213064	4085446	4218456	4085438	57	NADA	DOWNEY	0805	04	6	4247543	4086658	4248404	4086198
18	117TH	LA COUNTY	0707	01	02	4213094	4086088	4215627	4086112	58	STEWRT\$GR	S GATE	0655	03	1	4236475	4092356	4239130	4092037
19	117TH	LA COUNTY	0707	02	02	4215659	4085853	4218396	4085839	59	STEWRT\$GR	DOWNEY	0655	04	6	4239134	4092041	4245869	4087807
20	LYNWOOD	LYNWOOD	0764	01	04	4221987	4085404	4221343	4085470	60	STEWRT\$GR	DOWNEY	0655	05	6	4245865	4087801	4248832	4086274
21	LYNWOOD	LYNWOOD	0764	02	04	4221347	4085470	4226619	4083706	61	LUXOR	DOWNEY	0796	01					

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0020.001 REVISION 1

TIME OF ENTRY - 15:00:15 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21544 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ARDMORE	S GATE	0679	01	.1	4219713	4097527	4228613	4096481	41	H10ENCYJ9	B GARDENS	6753	03	5	4237106	4100007	4239062	4099784
2	LIGERTY	S GATE	0678	01	.1	4220148	4098556	4228759	4097505	42	LIVE OAK	B GARDENS	0674	04	5	4239579	4099688	4240740	4099429
3	83RD	LA COUNTY	0697	01	02	4211967	4099040	4213919	4099034	43	LIVE OAK	B GARDENS	0674	05	5	4242786	4099419	4245377	4099092
4	83RD	LA COUNTY	0697	02	02	4215609	4098941	4217583	4098939	44	FLORENCE	LA COUNTY	0508	03	2	4211959	4103231	4218272	4103223
5	83RD	LA COUNTY	0697	03	02	4214303	4098773	4215605	4098749	45	FLORENCE	HNTG PARK	0508	04	6	4218270	4103211	4228328	4101933
6	SHULL	B GARDENS	0940	01	.5	4236525	4096170	4238389	4095978	46	FLORENCE	HNTG PARK	0508	05	6	4228344	4101931	4237951	4100743
7	SHULL	B GARDENS	0940	02	.5	4238914	4095910	4240153	4095773	47	FLORENCE	B GARDENS	0508	06	5	4239294	4100549	4241358	4100252
8	QUINN	B GARDENS	0676	01	.5	4236509	4097834	4238009	4097679	48	FLORENCE	B GARDENS	0508	07	5	4241360	4100272	4244638	4097942
9	QUINN	B GARDENS	0676	02	.5	4238011	4097691	4239961	4097581	49	70TH	LA COUNTY	0518	06	2	4211949	4103920	4212912	4103909
10	QUINN	B GARDENS	0676	03	.5	4239971	4097579	4240353	4097216	50	70TH	LA COUNTY	0518	07	2	4212934	4103783	4215927	4103777
11	QUINN	B GARDENS	0676	04	.5	4240351	4097230	4240281	4096734	51	68TH	LA COUNTY	0692	01	2	4211935	4104525	4212924	4104525
12	SCOUT	B GARDENS	0938	01	.5	4240696	4097653	4241955	4097477	52	68TH	LA COUNTY	0692	02	2	4212936	4104383	4215585	4104377
13	SCOUT	B GARDENS	0938	02	.5	4241949	4097521	4243877	4098402	53	65TH	LA COUNTY	0516	04	2	4212237	4105422	4212906	4105406
14	SCOUT	B GARDENS	0938	03	.5	4243883	4098390	4245665	4099722	54	65TH	LA COUNTY	0516	05	2	4214241	4105266	4216460	4105242
15	81ST	LA COUNTY	0696	01	02	4211973	4099941	4213911	4099929	55	GAGE	LA COUNTY	0064	02	2	4211941	4105918	4215943	4105844
16	81ST	LA COUNTY	0696	02	02	4214556	4099909	4215609	4099900	56	GAGE	HNTG PARK	0064	03	6	4215957	4105824	4221599	4105675
17	81ST	LA COUNTY	0696	03	02	4215577	4099714	4217166	4099722	57	GAGE	HNTG PARK	0064	04	6	4221595	4105685	4226552	4105071
18	SANTA ANA	S GATE	0677	01	.1	4218250	4099844	4228853	4098546	58	GAGE	B GARDENS	0064	05	5	4226595	4105035	4241409	4103167
19	SANTA ANA	S GATE	0677	02	.1	4228865	4098540	4235190	4097739	59	GAGE	DOWNEY	0064	06	6	4241354	4103151	4247687	4102379
20	NADEAU	LA COUNTY	0695	01	02	4211953	4100555	4218091	4100545	60	GAGE	DOWNEY	0064	07	6	4247681	4102387	4249477	4103205
21	BROADWAY	S GATE	0144	11	.1	4218226	4100456	4228741	4099162	61	GAGE	DOWNEY	0064	08	6	4249479	4103191	4249673	4104241
22	ELIZABETH	CUDAHY	0675	01	.3	4228759	4099373	4235808	4098490	62	61ST	LA COUNTY	0689	01	2	4211925	4106733	4212886	4106727
23	OLIVE	S GATE	0463	04	.1	4218210	4101050	4228108	4099834	63	61ST	LA COUNTY	0689	02	2	4214001	4106841	4215567	4106845
24	HOPE	S GATE	0461	08	.1	4218149	4101608	4227399	4100543	64	60TH	LA COUNTY	0688	01	2	4211923	4107042	4212930	4107034
25	FIRESTONE	LA COUNTY	0561	01	02	4211995	4097924	4217138	4097860	65	60TH	LA COUNTY	0688	02	2	4212858	4107212	4215561	4107172
26	FIRESTONE	LA COUNTY	0561	02	02	4217134	4097886	4217811	4097083	66	58TH	LA COUNTY	0691	01	2	4211917	4107995	4212898	4107981
27	FIRESTONE	S GATE	0561	03	.1	4217817	4097081	4219899	4096395	67	58TH	LA COUNTY	0691	02	2	4212864	4107848	4213655	4107852
28	FIRESTONE	S GATE	0561	04	.1	4219919	4096395	4230082	4095203	68	SATURN	HNTG PARK	0666	01	6	4216872	4103982	4222016	4103990
29	FIRESTONE	S GATE	0561	05	.1	4230068	4095189	4239943	4093654	69	SATURN	HNTG PARK	0666	02	6	4222000	4104000	4224795	4103695
30	FIRESTONE	DOWNEY	0561	06	06	4240001	4093632	4242390	4093161	70	BECK	BELL	0891	01	4	4226532	4102908	4227808	4102716
31	FIRESTONE	DOWNEY	0561	07	06	4242396	4093161	4243587	4093313	71	BECK	BELL	0891	02	4	4228429	4102641	4229342	4102507
32	FIRESTONE	DOWNEY	0561	08	06	4243575	4093323	4249878	4089314	72	BECK	BELL	0891	03	4	4231105	4102292	4231450	4102266
33	76TH	LA COUNTY	0694	01	02	4211947	4101726	4213627	4101765	73	BECK	BELL	0891	04	4	4232921	4102059	4233306	4102031
34	76TH	LA COUNTY	0694	02	02	4213891	4101921	4216878	4101833	74	BECK	BELL	0891	05	4	4235328	4101744	4235718	4101702
35	75TH	LA COUNTY	0693	01	02	4211909	4102391	4213619	4102389	75	LUDELL	B GARDENS	0894	01	5	4237580	4101249	4240403	4100908
36	75TH	LA COUNTY	0693	02	02	4215703	4102381	4216237	4102387	76	FLORENCE	B GARDENS	0672	01	5	4241541	4100270	4245823	4099720
37	LIVE OAK	LA COUNTY	0674	01	02	4218212	4102268	4226955	4101195	77	LUBEC	B GARDENS	0567	08	5	4237416	4102164	4240463	4101785
38	LIVE OAK	CUDAHY	0674	02	.3	4227161	4101251	4235991	4100135	78	LUBEC	B GARDENS	0567	09	5	4240471	4101789	4241541	4101201
39	CLARA	CUDAHY	0673	01	.3	4227786	4100366	4236721	4099208	79	SOUTHALL	BELL	0893	02	4	4236237	4102184	4235412	4102260
40	CLARA	CUDAHY	0673	02	.3	4236711	4099188	4243775	4098313	80	SOUTHALL	BELL	0893	01	4	4234259	4102278	4235050	4102174

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME C50021.002 REVISION 2

TIME OF ENTRY - 15:55:11 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	BROMPTON	BELL	0892	01	14	4228773	4102954	4229414	4102840	41	SLAUSON	COMMERCE	0509	08	8	4242600	4106805	4244678	4106229
2	BROMPTON	BELL	0892	02	14	4231099	4102898	4232451	4102702	42	SLAUSON	COMMERCE	0509	09	8	4244694	4106227	4249828	4103528
3	BROMPTON	BELL	0892	03	14	4233348	4102238	4234221	4102216	43	57TH	L ANGELES	0662	01	1	4211921	4109207	4221543	4109171
4	BELL	BELL	0667	01	14	4225531	4103815	4231208	4103121	44	55TH	L ANGELES	0167	01	1	4211931	4109873	4220198	4109819
5	BELL	BELL	0667	02	14	4231990	4103095	4233468	4102948	45	55TH	MAYWOOD	0167	02	3	4226344	4109833	4231940	4109173
6	BELL	BELL	0667	03	14	4233756	4102928	4234899	4102782	46	55TH	MAYWOOD	0167	03	3	4231920	4109167	4232539	4108749
7	ZOE	HNTG PARK	0665	01	16	4216726	4104957	4218195	4104963	47	57TH	MAYWOOD	0662	02	3	4226404	4109114	4234021	4108187
8	ZOE	HNTG PARK	0665	02	16	4218224	4104851	4223627	4104921	48	52ND	L ANGELES	0511	07	1	4212183	4110862	4214217	4110866
9	ZOE	HNTG PARK	0665	03	16	4223601	4104602	4225609	4104636	49	52ND	L ANGELES	0511	08	1	4214205	4110754	4215513	4110754
10	LOVELAND	B GARDENS	0668	01	15	4237284	4103199	4241485	4102633	50	52ND	VERNON	0511	09	7	4215681	4110637	4218179	4110661
11	LOVELAND	B GARDENS	0668	02	15	4241495	4102635	4242366	4102102	51	52ND	VERNON	0511	10	7	4218169	4110842	4220186	4110848
12	LOVELAND	B GARDENS	0668	03	15	4242370	4102100	4242572	4101632	52	52ND	MAYWOOD	0511	11	3	4226308	4110878	4232379	4110138
13	LOVELAND	B GARDENS	0668	04	15	4242558	4101660	4244111	4100990	53	50TH	L ANGELES	0513	05	1	4211909	4111464	4213777	4111500
14	LOVELAND	B GARDENS	0668	05	15	4244123	4100980	4244564	4101016	54	50TH	L ANGELES	0513	06	1	4214285	4111697	4215605	4111713
15	SUVA	B GARDENS	0670	01	15	4244352	4102003	4244560	4101026	55	50TH	VERNON	0513	07	7	4220622	4111767	4225892	4111895
16	SUVA	DOWNEY	0670	02	06	4244586	4100998	4249854	4097952	56	50TH	VERNON	0513	08	7	4228094	4111323	4231396	4110934
17	FOSTER BR	B GARDENS	0669	01	15	4243425	4102852	4244316	4102025	57	FRUITLAND	VERNON	0193	01	7	4218169	4111047	4225928	4111235
18	FOSTER BR	B GARDENS	0669	02	15	4244314	4101999	4246750	4100502	58	FRUITLAND	MAYWOOD	0193	02	3	4225932	4111231	4232393	4110268
19	FOSTER BR	DOWNEY	0669	03	06	4246744	4100492	4246726	4099770	59	SANTA ANA	COMMERCE	0123	10	8	4242938	4112415	4243885	4110920
20	CLARENDON	HNTG PARK	0664	01	16	4216762	4106424	4221595	4106416	60	SANTA ANA	COMMERCE	0123	11	8	4243907	4110892	4247225	4107084
21	CLARENDON	HNTG PARK	0664	02	16	4221597	4106436	4222907	4106315	61	SANTA ANA	MTEBELLO	0123	12	3	4247277	4107116	4249818	4104028
22	61ST	HNTG PARK	0689	03	16	4222114	4107058	4223569	4107078	62	WASHINGTON	MTEBELLO	0106	16	3	4248174	4112445	4249810	4111647
23	BELGRAVE	HNTG PARK	0663	01	16	4216059	4107698	4223561	4107722	63	CASTANA	PARAMOUNT	0834	01	5	4244095	4071831	4244057	4071434
24	RANDOLPH	HNTG PARK	0687	01	16	4223541	4106747	4224855	4106562	64	PIITS	PARAMOUNT	0833	02	5	4244187	4071468	4244153	4073112
25	RANDOLPH	HNTG PARK	0687	02	16	4226376	4106396	4236605	4105172	65	CASTANA	PARAMOUNT	0834	02	5	4244105	4073429	4244083	4074637
26	RANDOLPH	COMMERCE	0687	03	18	4237312	4105113	4244181	4104231	66	CASTANA	PARAMOUNT	0834	03	5	4243739	4076250	4243725	4077434
27	FILMORE	BELL	0690	01	14	4232413	4104877	4236463	4104353	67	PIMENTA	PARAMOUNT	0835	02	5	4244502	4073487	4244576	4074286
28	LANTO	B GARDENS	0789	01	15	4237318	4104359	4238129	4104259	68	HAYTER	PARAMOUNT	0831	02	5	4243639	4074731	4243597	4071476
29	LANTO	B GARDENS	0789	02	15	4238932	4104168	4240494	4103978	69	PASSAGE	PARAMOUNT	0830	02	5	4243010	4072036	4242986	4072815
30	LANTO	B GARDENS	0789	03	15	4241863	4103807	4242642	4103703	70	PASSAGE	PARAMOUNT	0830	03	5	4242962	4076059	4242896	4077105
31	LANTO	COMMERCE	0789	04	18	4245635	4103356	4246150	4103275	71	AVOCADO	PARAMOUNT	0836	01	5	4242956	4073210	4242928	4073820
32	LANTO	COMMERCE	0789	05	18	4247341	4103143	4247823	4103065	72	BIXLER	PARAMOUNT	0837	01	5	4241957	4078022	4241977	4070812
33	LANTO	COMMERCE	0789	06	18	4247823	4103055	4248228	4102447	73	BIXLER	PARAMOUNT	0837	02	5	4242011	4073166	4241999	4073999
34	61ST	MAYWOOD	0689	04	23	4226567	4107058	4235748	4105950	74	INDIANA	PARAMOUNT	0914	03	5	4241569	4074089	4241571	4075780
35	60TH	MAYWOOD	0688	03	23	4226563	4107696	4235820	4106572	75	ANDERSON	PARAMOUNT	0913	01	5	4240864	4077335	4240830	4079165
36	SLAUSON	L ANGELES	0509	03	01	4211945	4108538	4221928	4108460	76	ORIZABA	PARAMOUNT	0578	04	5	4240213	4077087	4240185	4079005
37	SLAUSON	VERNON	0509	04	17	4221942	4108446	4226004	4108476	77	DOUNEY	PARAMOUNT	0577	05	5	4242141	4076386	4242163	4078457
38	SLAUSON	MAYWOOD	0509	05	23	4226016	4108466	4235190	4107317	78	DOUNEY	PARAMOUNT	0577	06	5	4242175	4078437	4241875	4080762
39	SLAUSON	BELL	0509	06	14	4235198	4107325	4236635	4107533	79	DOUNEY	PARAMOUNT	0577	07	5	4241865	4080754	4241935	4081288
40	SLAUSON	COMMERCE	0509	07	18	4236627	4107547	4242612	4106811	80	DOUNEY	PARAMOUNT	0577	08	5	4241971	4081332	4247121	4089581

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

PAGE 2

FILE NAME CS0022.001 REVISION 1

TIME OF ENTRY - 16:45:10 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	DOWNEY	DOWNEY	0577	09	06	4247133	4089579	4246380	4091686	41	OR SCHOOL	DOWNEY	0904	02	6	4239122	4086559	4239532	4087699
2	DOWNEY	DOWNEY	0577	10	06	4248368	4091654	4248650	4092609	42	OR SCHOOL	DOWNEY	0904	03	6	4239530	4087691	4245907	4098237
3	DOWNEY	DOWNEY	0577	11	06	4248628	4092653	4249856	4094688	43	GUATEMALA	DOWNEY	0582	02	6	4245179	4098213	4249850	4101030
4	BARLIN	DOWNEY	0919	01	06	4242816	4078010	4243505	4079117	44	RYERSON	DOWNEY	0903	02	6	4241667	4093977	4242327	4095197
5	BARLIN	DOWNEY	0919	02	06	4243365	4079248	4245353	4082689	45	RYERSON	DOWNEY	0903	01	6	4240461	4091740	4241056	4092791
6	PATTON	DOWNEY	0918	01	06	4245469	4083325	4249357	4089641	46	MILL	DOWNEY	0902	01	6	4239561	4092266	4240289	4093480
7	BROOKSHIRE	DOWNEY	0576	04	06	4243058	4080919	4248774	4089984	47	FLORINE	DOWNEY	0912	01	6	4237745	4078593	4237678	4080953
8	BROOKSHIRE	DOWNEY	0576	05	06	4248742	4089994	4249850	4091742	48	CENTER	DOWNEY	0911	01	6	4237959	4080742	4237811	4082669
9	ORIZABA	DOWNEY	0578	05	06	4240433	4080010	4240662	4080779	49	CENTER	DOWNEY	0911	02	6	4237817	4082649	4237460	4083993
10	ORIZABA	DOWNEY	0578	06	06	4242191	4083568	4242638	4084414	50	GARFIELD	PARAMOUNT	0031	18	5	4236994	4070694	4236852	4080775
11	ORIZABA	DOWNEY	0578	07	06	4243172	4084980	4243737	4085719	51	GARFIELD	PARAMOUNT	0031	19	5	4236848	4080764	4236715	4085713
12	ORIZABA	DOWNEY	0578	08	06	4244095	4086644	4244336	4087009	52	GARFIELD	S GATE	0031	20	1	4236729	4085707	4237626	4088799
13	ORIZABA	DOWNEY	0578	09	06	4244570	4087173	4245221	4088221	53	GARFIELD	S GATE	0031	21	1	4237630	4088805	4236994	4091216
14	GURLEY	DOWNEY	0917	01	06	4245085	4088477	4246788	4089866	54	GARFIELD	S GATE	0031	22	1	4237004	4091194	4237694	4092200
15	LA REINA	DOWNEY	0901	01	06	4246997	4090749	4249856	4095354	55	GARFIELD	S GATE	0031	23	1	4237676	4092220	4238337	4095396
16	WESTERN	DOWNEY	0900	01	06	4247727	4092627	4249271	4095183	56	GARFIELD	B GARDENS	0031	24	5	4238355	4095452	4241697	4098961
17	BROCK	DOWNEY	0915	01	06	4240676	4081439	4242458	4084509	57	GARFIELD	B GARDENS	0031	25	5	4241703	4098945	4243439	4102900
18	BROCK	DOWNEY	0915	02	06	4243333	4086050	4243623	4086547	58	GARFIELD	COMMERCE	0031	26	8	4243479	4102920	4245801	4107377
19	PARAMOUNT	PARAMOUNT	0562	10	05	4239615	4071113	4239542	4079813	59	GARFIELD	COMMERCE	0031	27	8	4245797	4107371	4247145	4108936
20	PARAMOUNT	DOWNEY	0562	11	06	4239518	4079827	4239869	4081246	60	GARFIELD	COMMERCE	0031	28	8	4247101	4108964	4247169	4111442
21	PARAMOUNT	DOWNEY	0562	12	06	4239867	4081264	4245048	4089649	61	GARFIELD	COMMERCE	0031	29	8	4247169	4111428	4247627	4112447
22	PARAMOUNT	DOWNEY	0562	13	06	4245018	4089673	4249852	4097539	62	DOS RIOS	DOWNEY	0939	01	6	4246866	4099846	4246985	4100625
23	VERMONT	PARAMOUNT	0827	01	05	4238816	4070690	4238744	4074729	63	DOS RIOS	DOWNEY	0939	02	6	4246972	4100619	4248606	4101488
24	ILLINOIS	PARAMOUNT	0828	01	05	4237931	4069952	4237911	4074711	64	DOS RIOS	DOWNEY	0939	03	6	4248606	4101450	4249589	4101572
25	ARTHUR	PARAMOUNT	0910	01	05	4238493	4078030	4238483	4080443	65	EMIL	B GARDENS	0937	01	5	4242906	4098022	4242980	4098666
26	HOOVER	DOWNEY	0909	01	06	4238491	4080425	4239773	4082699	66	EMIL	B GARDENS	0937	02	5	4242980	4098650	4243873	4099585
27	SMALLWOOD	DOWNEY	0908	04	06	4239999	4083465	4241026	4085406	67	EMIL	B GARDENS	0937	03	5	4243905	4099565	4243999	4100183
28	SMALLWOOD	DOWNEY	0908	01	06	4242317	4087438	4243224	4088861	68	EMIL	B GARDENS	0937	04	5	4244003	4100187	4244922	4101143
29	SMALLWOOD	DOWNEY	0908	02	06	4245599	4092398	4247097	4094848	69	EMIL	B GARDENS	0937	05	5	4244920	4101155	4245363	4102194
30	SMALLWOOD	DOWNEY	0908	03	06	4247439	4096728	4247845	4097455	70	EMIL	B GARDENS	0937	06	5	4245337	4102170	4245485	4103015
31	TWEEDY	DOWNEY	0579	03	06	4248102	4095833	4249844	4098662	71	EMIL	B GARDENS	0937	07	5	4245473	4103015	4245769	4103631
32	RIVES	DOWNEY	0907	01	06	4240055	4084615	4244978	4092452	72	PERRY	B GARDENS	0936	01	5	4241763	4098642	4243116	4100119
33	RIVES	DOWNEY	0907	02	06	4244972	4092420	4247361	4096335	73	PERRY	B GARDENS	0936	02	5	4243136	4100107	4244282	4102746
34	HORLEY	DOWNEY	0899	01	06	4246462	4096082	4246968	4096897	74	IRA	B GARDENS	0935	01	5	4240540	4097780	4240742	4100370
35	HORLEY	DOWNEY	0899	02	06	4247123	4096891	4249579	4100330	75	IRA	B GARDENS	0935	02	5	4240724	4100394	4242149	4103069
36	JULIUS	DOWNEY	0906	01	06	4240455	4087456	4241254	4088853	76	GEPHART	B GARDENS	0933	01	5	4239492	4097256	4239731	4099134
37	JULIUS	DOWNEY	0906	02	06	4241595	4089314	4242622	4091076	77	COLMAR	B GARDENS	0932	01	5	4240197	4100920	4240574	4104277
38	JULIUS	DOWNEY	0906	03	06	4243034	4091507	4243747	4092623	78	L SELINDA	B GARDENS	0931	01	5	4239358	4100533	4239793	4104429
39	WLY BURKE	DOWNEY	0905	01	06	4243967	4093044	4247725	4098947	79	JABONERIA	B GARDENS	0934	01	5	4236475	4096255	4240209	4100426
40	OR SCHOOL	DOWNEY	0904	01	06	4238351	4085548	4239130	4086575	80	JABONERIA	B GARDENS	0934	02	5	4240233	4100420	4241763	4103081

TIME OF ENTRY - 20:00:00 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - CHARLES CICERO F

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TIME OF ENTRY - 20:00:00    DATE OF LAST UPDATE - 02-FEB-77    OPERATOR NAME - STINEES    STATION - 313
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20475 LOWER RIGHT = 20078 LOWER LEFT = 598 UPPER LEFT = 569
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21650 LOWER RIGHT = 401 LOWER LEFT = 416 UPPER LEFT = 21663

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	JABONERIA	B GARDENS	0934	03	15	4241751	4103070	4241895	4104235	41	WRIGHT	LYNWOOD	0847	05	4	4233213	4087032	4233327	4086339
2	EASTERN	B GARDENS	0057	12	15	4238442	4095499	4237769	4098088	42	WRIGHT	LYNWOOD	0847	06	4	4233309	4088333	4232982	4090635
3	EASTERN	B GARDENS	0057	13	15	4237763	4098077	4238876	4107246	43	DUNCAN	LYNWOOD	0846	02	4	4231136	4079834	4231641	4081432
4	EASTERN	B GARDENS	0057	14	15	4238864	4107260	4239569	4112433	44	DUNCAN	LYNWOOD	0846	01	4	4231751	4082531	4233146	4086629
5	TEXACO	PARAMOUNT	0838	01	05	4235663	4070667	4235663	4071708	45	ADELLA	LYNWOOD	0848	01	4	4233989	4088774	4233845	4089340
6	TEXACO	PARAMOUNT	0838	02	05	4235997	4072101	4235945	4074703	46	ADELLA	LYNWOOD	0848	02	4	4233849	4089320	4234141	4091974
7	TEXACO	PARAMOUNT	0838	03	05	4235617	4074699	4235593	4077059	47	ADELLA	S GATE	0848	03	1	4234131	4091946	4233897	4092728
8	GUNDRY	PARAMOUNT	0839	01	05	4235110	4070737	4235116	4073444	48	RIVERSIDE	BELL	0930	01	4	4236083	4100943	4236412	4103659
9	GUNDRY	PARAMOUNT	0839	02	05	4234936	4073358	4234908	4075956	49	RIVERSIDE	BELL	0930	02	4	4236422	4103635	4236442	4105023
10	ORANGE	PARAMOUNT	0840	02	05	4234232	4077506	4234550	4078862	50	WALKER	BELL	0929	01	4	4235235	4101061	4235587	4103866
11	EL CAMINO	PARAMOUNT	0841	01	05	4233615	4073729	4233601	4077167	51	WALKER	BELL	0929	02	4	4235469	4103856	4235827	4106932
12	SAN JOSE	PARAMOUNT	0967	01	05	4233022	4073296	4232948	4076748	52	WILCOX	BELL	0928	01	4	4233523	4096066	4234670	4106073
13	LB FWY	PARAMOUNT	0125	02	05	4230986	4072702	4231585	4077065	53	HELIOTROP	BELL	0863	01	4	4233183	4101273	4233575	4104121
14	LB FWY	PARAMOUNT	0125	03	05	4231575	4077061	4233096	4078771	54	HELIOTROP	BELL	0863	02	4	4233345	4104117	4233645	4106733
15	LB FWY	PARAMOUNT	0125	04	05	4233088	4078773	4233689	4080027	55	HELIOTROP	MAYWOOD	0863	03	3	4233615	4106727	4232962	4107551
16	LB FWY	PARAMOUNT	0125	05	05	4233643	4080025	4234194	4085167	56	MAYFLOWER	MAYWOOD	0864	01	3	4232640	4104197	4233215	4108664
17	LB FWY	PARAMOUNT	0125	06	05	4234196	4085169	4233763	4087231	57	MAYFLOWER	MAYWOOD	0864	02	3	4233215	4108646	4233669	4109327
18	LB FWY	S GATE	0125	07	11	4233761	4087224	4234484	4088606	58	KING	MAYWOOD	0862	01	3	4231827	4101444	4232131	4104315
19	LB FWY	S GATE	0125	08	11	4234490	4088610	4235701	40889721	59	KING	MAYWOOD	0862	02	3	4231957	4104271	4232518	4108744
20	LB FWY	S GATE	0125	09	11	4235717	4089733	4236132	4091018	60	KING	MAYWOOD	0862	03	3	4232530	4108734	4233022	4109446
21	LB FWY	S GATE	0125	10	11	4236142	4091004	4236362	4097582	61	ATLANTIC	VERNON	0205	03	7	4235735	4112383		

TIME OF ENTRY - 21:10:18 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - CHARLES CICERO F

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20475 LOWER RIGHT = 20078 LOWER LEFT = 598 UPPER LEFT = 569
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21650 LOWER RIGHT = 401 LOWER LEFT = 416 UPPER LEFT = 21663

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HARRIS	LA COUNTY	0956	03	02	4227931	4071928	4227571	4078407	41	PINE	MAYWOOD	0865	03	3	4230688	4104465	4231375	4110280
2	HARRIS	LYNWOOD	0956	04	04	4227569	4078411	4228281	4080301	42	S VINCENT	S GATE	0923	01	1	4227178	4088949	4227757	4094290
3	HARRIS	LYNWOOD	0956	05	04	4228696	4081139	4229807	4084436	43	S VINCENT	S GATE	0923	02	1	4227885	4094230	4228406	4098631
4	HARRIS	LYNWOOD	0956	06	04	4229803	4084438	4230243	4084969	44	GIFFORD	BELL	0926	01	4	4228996	4102853	4229172	4104678
5	HARRIS	LYNWOOD	0956	07	04	4230484	4085394	4231002	4086958	45	GIFFORD	BELL	0926	02	4	4229283	4104632	4230181	4111970
6	TEMPLE	COMPTON	0950	01	10	4227072	4071872	4226852	4075814	46	CORONA	BELL	0866	01	4	4228338	4101907	4228518	4103443
7	HOLLY	COMPTON	0951	02	10	4226832	4076582	4226802	4077274	47	CORONA	BELL	0866	02	4	4228318	4103427	4228490	4104786
8	BRADFIELD	COMPTON	0952	01	10	4226644	4070042	4226093	4077286	48	CORONA	BELL	0866	03	4	4228546	4104734	4228722	4105933
9	MURIEL	LYNWOOD	0962	01	04	4227893	4080961	4228201	4081847	49	CORONA	MAYWOOD	0866	04	3	4228844	4106057	4229367	4110569
10	MURIEL	LYNWOOD	0962	02	04	4228045	4081879	4229266	4085103	50	CORONA	VERNON	0866	05	7	4229188	4110677	4229373	4112082
11	BRADFIELD	COMPTON	0953	01	10	4225801	4077294	4226964	4080772	51	SAN LUIS	S GATE	0924	01	1	4226251	4087828	4226406	4089099
12	GERTRUDE	LYNWOOD	0954	01	04	4227206	4081149	4228476	4084965	52	SAN LUIS	S GATE	0924	02	1	4226464	4089057	4227058	4094370
13	BULLIS	COMPTON	0947	01	10	4225547	4071138	4225158	4078709	53	SAN LUIS	S GATE	0924	03	1	4227158	4094354	4227701	4098701
14	BULLIS	LYNWOOD	0947	02	04	4225160	4078717	4226652	4083694	54	S GABRIEL	S GATE	0922	01	1	4225797	4089239	4226095	4092012
15	BULLIS	LYNWOOD	0947	03	04	4226636	4083670	4228143	4087599	55	S GABRIEL	S GATE	0922	02	1	4226115	4092806	4226976	4098743
16	PINEHURST	S GATE	0849	01	11	4232396	4088355	4232636	4091190	56	BEAR	S GATE	0925	03	1	4227363	4100734	4227541	4102043
17	PINEHURST	S GATE	0849	02	11	4232582	4091178	4232782	4093027	57	BEAR	BELL	0925	01	4	4227663	4102001	4228043	4104816
18	VASSLER	S GATE	0850	01	11	4232097	4093769	4232250	4094986	58	BEAR	BELL	0925	02	4	4228169	4104784	4228314	4106039
19	ORANGE	S GATE	0851	01	11	4231447	4088560	4231723	4091341	59	CARMELITA	BELL	0867	01	4	4227795	4104804	4227903	4105933
20	SAMPSON	S GATE	0853	01	11	4230302	4087373	4230532	4088666	60	CARMELITA	MAYWOOD	0867	02	3	4228087	4105777	4228730	4110919
21	HILDRETH	S GATE	0852	01	11	4230520	4088596	4230802	4091457	61	LMA VISTA	BELL	0868	01	4	4227090	4103591	422728	

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - FREELY/HAYSHAYS/

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TIME OF ENTRY - 10:00:00    DATE OF LAST UPDATE - 03-FEB-77    OPERATOR NAME - FREEDMAN, JAMES
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20474 LOWER RIGHT = 20074 LOWER LEFT = 593 UPPER LEFT = 564
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21651 LOWER RIGHT = 405 LOWER LEFT = 411 UPPER LEFT = 21652

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ARBUTUS	HNTG PARK	0877	01	.6	4223007	4102624	4222891	4107770	41	ALAMEDA	COMPTON	0142	07	0	4221328	4073961	4219989	4083968
2	BICKETT	HNTG PARK	0878	01	.6	4222499	4108442	4222489	4110157	42	ALAMEDA	LYNWOOD	0142	08	4	4220005	4083964	4218583	4093557
3	MTN VIEW	S GATE	0875	01	.1	4221308	4096561	4221678	4099421	43	ALAMEDA	LA COUNTY	0142	09	2	4218591	4093541	4216709	4103771
4	MTN VIEW	LA COUNTY	0875	02	.02	4221728	4099405	4222083	4102734	44	ALAMEDA	HNTG PARK	0142	10	6	4216735	4103775	4215850	4108436
5	MTN VIEW	HNTG PARK	0875	03	.6	4222077	4102740	4222012	4103992	45	ALAMEDA	L ANGELES	0142	11	1	4215856	4108436	4215550	4112427
6	MILES	HNTG PARK	0873	01	.6	4221710	4102758	4221508	4108474	46	WILLOWBRK	LA COUNTY	0730	02	2	4219916	4077218	4214469	4089825
7	SOTO	VERNON	0886	04	.7	4221512	4108470	4221448	4112409	47	MONA	COMPTON	0744	01	0	4219912	4077218	4219884	4079243
8	SEVILLE	S GATE	0874	01	.1	4220357	4098015	4220605	4099525	48	MONA	LA COUNTY	0744	02	2	4219882	4079247	4218053	4087424
9	SEVILLE	HNTG PARK	0874	02	.6	4220607	4099515	4220537	4109186	49	MONA	L ANGELES	0744	03	1	4218059	4087426	4218729	4090155
10	LB BLVD	COMPTON	0168	02	.0	4225128	4072597	4224557	4082613	50	OLEANDER	COMPTON	0722	02	0	4218443	4075705	4218277	4078798
11	LB BLVD	LYNWOOD	0168	03	.04	4224575	4082609	4224387	4085302	51	OLEANDER	LA COUNTY	0722	03	2	4218263	4078792	4217870	4079717
12	LB BLVD	LYNWOOD	0168	04	.04	4224379	4085302	4221844	4094989	52	OLEANDER	LA COUNTY	0722	04	2	4217922	4079733	4217754	4080932
13	LB BLVD	S GATE	0168	05	.1	4221846	4094987	4219796	4099132	53	ARANBE	COMPTON	0966	01	0	4217810	4074518	4217576	4078605
14	LB BLVD	HNTG PARK	0168	06	.6	4219808	4099132	4219782	4100063	54	ARANBE	LA COUNTY	0966	02	2	4217576	4078605	4217004	4081271
15	PACIFIC	HNTG PARK	0115	03	.6	4219788	4100067	4219716	4109176	55	MATTHEISEN	COMPTON	0661	01	0	4217626	4073523	4216924	4074550
16	PACIFIC	VERNON	0115	04	.7	4219714	4109170	4219680	4112397	56	MATTHEISEN	COMPTON	0661	02	0	4217180	4074542	4216928	4078317
17	BURRIS	COMPTON	0943	02	.0	4224084	4071853	4223768	4077270	57	PAULSEN	COMPTON	0660	01	0	4216611	4074486	4216355	4078216
18	SANTA FE	COMPTON	0139	10	.0	4222505	4072938	4222667	4073961	58	PAULSEN	COMPTON	0660	02	0	4216355	4078222	4216383	4080914
19	SANTA FE	COMPTON	0139	11	.0	4222673	4073951	4222493	4078950	59	CENTURY	COMPTON	0105	02	0	4217470	4072533	4216908	4073351
20	SANTA FE	COMPTON	0139	12	.0	4222539	4078954	4221884	4083814	60	GRAPE	L ANGELES	08.3	01	1	4216423	4086706	4216425	4088509
21	WILLOW	COMPTON	0942	01	.0	4222233	4072388	4222129	4074570	61	GRAPE	L ANGELES	08.3	02	1	4216219	4088717	4216257	4093547
22	WILLOW	COMPTON	0942	02	.0	4222317	4074512	4222169	4077214	62	GRAPE	L ANGELES	08.3	03	1	4216419	4093535	4216401	4095406
23	WILLOW	COMPTON	0942	03	.0	4222181	4077234	4222131	4079139	63	GRAPE	LA COUNTY	08.3	04	2	4216399	4096744	4216393	4098978
24	ALHAMBRA	COMPTON	0815	02	.0	4222953	4078966	4223190	4080609	64	JUNIPER	L ANGELES	0825	01	1	4217248	4089093	4217588	4090163
25	ALPINE	LYNWOOD	0945	01	.04	4223420	4080932	4223588	4082430	65	JUNIPER	LA COUNTY	0825	02	2	4217492	4090155	4217488	4091742
26	ALPINE	LYNWOOD	0945	02	.04	4223612	4082416	4223924	4082943	66	JUNIPER	L ANGELES	0825	03	1	4217320	4091991	4217324	4092472
27	LINDBERGH	LYNWOOD	0946	01	.04	4222923	4082925	4223746	4084718	67	JUNIPER	LA COUNTY	0825	04	2	4217458	4093523	4217450	4097534
28	STATE	LYNWOOD	0880	04	.04	4221880	4083796	4222947	4090458	68	WILMINGTON	COMPTON	0564	02	0	4215931	4077019	4215603	4078646
29	CPISTRANO	LYNWOOD	0881	01	.04	4221784	4088296	4222307	4092534	69	WILMINGTON	LA COUNTY	0564	03	2	4215614	4078644	4215592	4088599
30	STANFORD	S GATE	0882	01	.1	4220681	4088872	4221550	4095129	70	WILMINGTON	L ANGELES	0564	04	1	4215590	4088603	4215600	4093539
31	LORRAINE	LYNWOOD	0883	01	.04	4219894	4087618	4220305	4089851	71	ELM	LA COUNTY	0137	01	2	4215698	4093549	4215720	4098974
32	TRUBA	S GATE	0826	01	.1	4219740	4092859	4220063	4095268	72	BELL	LA COUNTY	0158	01	2	4215570	4097861	4215588	4101854
33	SANTA FE	S GATE	0139	05	.1	4220065	4095256	4219602	4097837	73	BELL	LA COUNTY	0158	02	2	4215710	4101834	4215762	4103232
34	SANTA FE	LA COUNTY	0139	06	.02	4219604	4097835	4218261	4098825	74	WILMINGTON	LA COUNTY	0564	05	2	4215600	4103200	4215538	4108518
35	SANTA FE	LA COUNTY	0139	07	.02	4218259	4098831	4218201	4106535	75	KEMP	COMPTON	0150	01	0	4215414	4074486	4215162	4077779
36	SANTA FE	HNTG PARK	0139	08	.6	4218189	4106531	4218171	4112425	76	GRANDEE	COMPTON	0481	02	0	4214395	4075932	4214339	4077021
37	MALABAR	HNTG PARK	0889	01	.6	4218994	4103085	4218962	4111142	77	NORTHWOOD	COMPTON	0151	02	0	4213778	4072801	4213734	4073395
38	HAMPTON	VERNON	0890	01	.7	4219196	4111085	4219182	4112419	78	NORTHWOOD	COMPTON	0151	03	0	4213596	4075982	4213602	4076983
39	ALBANY	HNTG PARK	0887	01	.6	4217452	4103180	4217512	4108085	79	TAJAUTA	COMPTON	01.4	01	0	4213582	4070607	4213548	4071813
40	ROSEBERRY	LA COUNTY	0888	01	.02	4217556	4101001	4217554	4103222	80									

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TIME OF ENTRY - 11:00:00 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 11:00:00    DATE OF LAST UPDATE - 03-FEB-77    OPERATOR NAME - HNS-PRESENT
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211013
MAP Y-COORDINATE DATA - UPPER RIGHT = 4080000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4080000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20376 LOWER RIGHT = 20413 LOWER LEFT = 924 UPPER LEFT = 906
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 9403 LOWER RIGHT = 2414 LOWER LEFT = 2386 UPPER LEFT = 9376

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	CALDWELL	CARSON	0101	01	20	4212000	4069889	4212913	4070035	41	PARAMOUNT	LNG BEACH	0562	09	2	4239584	4067009	4239547	4071203
2	CALDWELL	COMPTON	0101	02	10	4212909	4070017	4220331	4070342	42	VERMONT	PARAMOUNT	0827	02	5	4238739	4069394	4238693	4070122
3	CALDWELL	COMPTON	0101	03	10	4220419	4070436	4221832	4070466	43	CHERRY	LNG BEACH	0147	01	2	4236958	4066985	4236950	4070808
4	CALDWELL	COMPTON	0101	04	10	4221832	4070474	4223691	4070562	44	ORANGE	LNG BEACH	0840	01	2	4234287	4067031	4234167	4077550
5	CALDWELL	COMPTON	0101	05	10	4224311	4070582	4225608	4070604	45	MYRTLE	LNG BEACH	0842	01	2	4232980	4067097	4232940	4071768
6	PAULINE	LA COUNTY	0100	01	02	4225606	4070578	4228057	4070638	46	LIME	LNG BEACH	0843	02	2	4232280	4069074	4232340	4070827
7	CALDWELL	COMPTON	0101	06	10	4228053	4070598	4229700	4070680	47	LIME	LNG BEACH	0843	01	2	4232264	4068191	4232346	4066983
8	70TH	LNG BEACH	0108	01	12	4231675	4069413	4242167	4069537	48	ATLANTIC	LNG BEACH	0049	07	2	4231631	4066997	4231619	4068834
9	FLOWER	BELLFLOWR	0107	01	19	4242167	4069507	4249886	4069599	49	ATLANTIC	LNG BEACH	0049	08	2	4231619	4068840	4231199	4069739
10	69TH	LNG BEACH	0117	01	12	4226106	4068551	4228384	4068565	50	ATLANTIC	LNG BEACH	0049	09	2	4231185	4069747	4229912	4070794
11	68TH	LNG BEACH	0111	01	12	4225700	4067922	4228970	4067974	51	ATLANTIC	LNG BEACH	0844	01	2	4231653	4068830	4231725	4071946
12	68TH	LNG BEACH	0111	02	12	4231667	4068151	4236974	4068159	52	LB FWY	LNG BEACH	0125	01	2	4229412	4066973	4230925	4072741
13	68TH	LNG BEACH	0111	03	12	4238269	4068171	4242187	4068223	53	ATLANTIC	LNG BEACH	0957	01	2	4228944	4067021	4229756	4069302
14	PARK	BELLFLOWR	0113	01	19	4242183	4068223	4249910	4068273	54	ATLANTIC	LNG BEACH	0957	02	2	4229754	4069304	4229564	4071882
15	WALNUT	BELLFLOWR	0113	03	19	4243512	4068934	4249908	4069000	55	WHITE	LNG BEACH	0958	01	2	4228924	4067069	4228970	4069080
16	69TH	LNG BEACH	0117	02	12	4239596	4068876	4242185	4068882	56	STONEACRE	LNG BEACH	0959	02	2	4229098	4069182	4229006	4070674
17	PALM	BELLFLOWR	0736	01	19	4243044	4067516	4244150	4067532	57	HARRIS	COMPTON	0956	01	0	4228237	4069296	4228133	4070622
18	67TH	LNG BEACH	0119	05	12	4242195	4067534	4240640	4067492	58	MURIEL	LNG BEACH	0949	01	2	4227243	4066999	4227225	4069304
19	67TH	LNG BEACH	0119	04	12	4240642	4067506	4239906	4067237	59	MURIEL	LA COUNTY	0949	02	2	4227221	4069300	4227083	4071944
20	67TH	LNG BEACH	0119	03	12	4236630	4067261	4235734	4067498	60	LB BLVD	COMPTON	0168	01	0	4226510	4066969	4225050	4072727
21	67TH	LNG BEACH	0119	02	12	4235740	4067500	4231864	4067432	61	HARBOR	LNG BEACH	0948	01	2	4225262	4066969	4225284	4069282
22	67TH	LNG BEACH	0119	01	12	4229154	4067340	4226390	4067336	62	TEMPLE	COMPTON	0950	01	0	4225242	4069274	4225324	4071169
23	BENNETT	LA COUNTY	0036	06	02	4226919	4069773	4226194	4069753	63	BURRIS	COMPTON	0943	01	0	4224389	4069254	4224311	4070606
24	BENNETT	COMPTON	0036	05	10	4225758	4069085	4223181	4069815	64	CHESTER	COMPTON	0944	01	0	4223239	4069196	4223185	4069825
25	BENNETT	COMPTON	0036	04	10	4222684	4069663	4222068	4069651	65	CHESTER	COMPTON	0944	02	0	4223149	4070534	4222530	4078926
26	BENNETT	COMPTON	0036	03	10	4221844	4069735	4219925	4069669	66	SANTA FE	COMPTON	0139	09	0	4222892	4066937	4222440	4072962
27	BENNETT	COMPTON	0036	02	10	4219655	4069633	4216323	4069533	67	ALAMEDA	COMPTON	0142	06	0	4222200	4066965	4221248	4073981
28	BENNETT	COMPTON	0036	01	10	4214896	4069142	4213665	4069120	68	TAMARIND	COMPTON	0941	01	0	4221057	4069152	4220417	4079106
29	GREENLEAF	COMPTON	0110	01	10	4211980	4068814	4221932	4069202	69	WILLOWBRK	COMPTON	0730	01	0	4220361	4069148	4219859	4077214
30	GREENLEAF	COMPTON	0110	02	10	4221930	4069188	4229988	4069314	70	OLEANDER	COMPTON	0722	01	0	4219058	4069138	4218652	4075703
31	CAROB	LA COUNTY	0737	01	02	4216355	4068207	4220299	4068345	71	CENTURY	COMPTON	0105	01	0	4217662	4069088	4217433	4072555
32	WALNUT	CARSON	0116	01	20	4211986	4067031	4214216	4067161	72	WILMINGTN	COMPTON	0564	01	0	4216437	4066937	4215895	4077031
33	WALNUT	CARSON	0116	02	20	4214228	4067165	4219933	4067434	73	GRANDEE	COMPTON	0481	01	0	4214886	4069144	4214814	4070348
34	PIMENTA	BELLFLOWR	0835	01	19	4244651	4069533	4244579	4070947	74	NORTHWOOD	COMPTON	0151	01	0	4214059	4068840	4214033	4071744
35	HAYTER	BELLFLOWR	0831	01	19	4243630	4068902	4243616	4070931	75	CENTRAL	CARSON	0163	17	0	4212611	4066941	4212627	4069797
36	INDIANA	LNG BEACH	0914	01	12	4241561	4067039	4241541	4068551	76									
37	INDIANA	PARAMOUNT	0914	02	05	4241595	4069531	4241531	4072893	77									
38	DOWNEY	PARAMOUNT	0577	04	05	4242191	4067027	4242125	4074205	78									
39	VIRGINIA	PARAMOUNT	0829	01	05	4241141	4069483	4241109	4074800	79									
40	DOWNEY	PARAMOUNT	0577	03	05	4240344	4069513	4240354	4075818	80									

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TIME OF ENTRY - 10:35:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

MAP Y-COORDINATE DATA - UPPER RIGHT = 4080000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4080000

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 8865 LOWER RIGHT = 1895 LOWER LEFT = 1605 UPPER LEFT = 8567

[illegible]

REVISION 5

OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

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MAP X-COORDINATE DATA - UPPER RIGHT = 40800000 LOWER RIGHT = 40660000 LOWER LEFT = 40660000 UPPER LEFT = 40800000
MAP Y-COORDINATE DATA - UPPER RIGHT = 40800000 LOWER RIGHT = 40660000 LOWER LEFT = 40660000 UPPER LEFT = 40800000
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CURSOR X-COORDINATE DATA - UPPER RIGHT = 20662 LOWER RIGHT = 20520 LOWER LEFT = 1022 UPPER LEFT = 1184

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 10803 LOWER RIGHT = 3845 LOWER LEFT = 4304 UPPER LEFT = 11282

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.2W PRM	PARAMOUNT	2825	01	05	4238517	4077219	4238529	4076202	41	VIRGINIA	BELLFLOWR	1683	01	9	4246233	4067958	4246309	4072448
2	0.2W CHR	PARAMOUNT	2826	01	05	4235754	4065356	4235754	4068419	42	CERRITOS	BELLFLOWR	1684	01	9	4245517	4073927	4247373	4077020
3	0.2W CHR	LA COUNTY	2827	01	02	4235714	4067914	4235688	4067332	43	CERRITOS	BELLFLOWR	1684	02	9	4247399	4077046	4247700	4077275
4	0.2W CHR	LA COUNTY	2828	01	02	4235688	4067406	4235688	4066547	44	CLARK	BELLFLOWR	1679	01	9	4247491	4065984	4247604	4072454
5	0.5W DRNG	PARAMOUNT	2829	01	05	4231950	4071970	4231940	4071200	45	STEVENS	BELLFLOWR	1678	01	9	4248728	4071270	4248780	4073862
6	0.3W DRNG	PARAMOUNT	2830	01	05	4233020	4072011	4233022	4071146	46	BLAINE	BELLFLOWR	1691	01	9	4249936	4071224	4249902	4073216
7	0.15 GRLF	PARAMOUNT	2831	01	05	4230752	4073026	4231598	4072905	47	BLAINE	BELLFLOWR	1691	02	9	4249904	4073832	4249936	4075528
8	0.15 GRLF	PARAMOUNT	2831	01	05	4229302	4067151	4230002	4067021	48	ARDIS	BELLFLOWR	1681	01	9	4247818	4073884	4249356	4076717
9	0.35 GRLF	PARAMOUNT	2832	01	05	4229586	4068162	4230368	4067982	49									
10	0.25 RSCR	COMPTON	2834	01	10	4231254	4075722	4232228	4075590	50									
11	0.2W WLM	COMPTON	2813	01	10	4215096	4073664	4215100	4073008	51									
12	0.2W WLM	COMPTON	2814	01	10	4215098	4073064	4215072	4072287	52									
13	0.2E WLM	COMPTON	2815	01	10	4217610	4068483	4217632	4067819	53									
14	0.2E WLM	COMPTON	2816	01	10	4217668	4067635	4217704	4066816	54									
15	0.4E WLM	COMPTON	2817	01	10	4218813	4068524	4218865	4067799	55									
16	0.4E WLM	COMPTON	2818	01	10	4218853	4067593	4218897	4066856	56									
17	0.25 GRLF	COMPTON	2819	01	10	4221671	4067908	4222397	4067914	57									
18	0.25 GRLF	COMPTON	2820	01	10	4222521	4067908	4223243	4067867	58									
19	0.25 GRLF	COMPTON	2821	01	10	4224849	4067859	4225803	4067847	59									
20	0.2E CNL	COMPTON	2822	01	10	4213998	4067490	4213986	4066798	60									
21	0.2W WLM	COMPTON	2823	01	10	4215406	4069354	4215460	4068449	61									
22	0.2W WLM	COMPTON	2824	01	10	4215484	4067583	4215510	4066856	62									
23	0.2E LKWD	PARAMOUNT	2835	01	05	4246241	4068062	4246229	4067047	63									
24	ROSECRANS	BELLFLOWR	0500	15	19	4244971	4076617	4248572	4076629	64									
25	ROSECRANS	BELLFLOWR	0500	16	19	4248580	4076629	4250128	4075										

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TIME OF ENTRY - 10:30:00    DATE OF LAST UPDATE  07-MAY-77    OPERATOR NAME - HAYS/PHELPS
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20948 LOWER RIGHT = 20522 LOWER LEFT = 1031 UPPER LEFT = 1031
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 2.396 LOWER RIGHT = 150 LOWER LEFT = 237 UPPER LEFT = 21458

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	LAKEWOOD	BELLFLOWR	0563	08	19	4244781	4069982	4244729	4077321	41	0.2S FRST S GATE		2857	01	1	4235753	4093013	4236750	4092899
2	LAKEWOOD	BELLFLOWR	0563	09	19	4244739	4077301	4244675	4079471	42	0.4E ATLT S GATE		2856	01	1	4234831	4093892	4234931	4094816
3	LAKEWOOD	BELLFLOWR	0563	10	19	4244677	4079477	4249944	4087914	43	0.2E ATLT S GATE		2855	01	1	4233650	4094133	4233700	4095006
4	BUCKLES	BELLFLOWR	1685	02	19	4249197	4086798	4249884	4086754	44	0.1N FRST S GATE		2881	01	1	4235885	4094892	4236944	4094733
5	STEWRT\$GR	BELLFLOWR	0655	06	19	4248803	4086119	4249886	4086041	45	0.4N FRST S GATE		2880	01	1	4235789	4096329	4236960	4096213
6	MORY	BELLFLOWR	1680	01	19	4247431	4083971	4249333	4084110	46	0.2N FRST S GATE		2878	01	1	4231609	4095910	4232812	4096195
7	ADOREE	BELLFLOWR	0810	05	19	4245596	4080972	4248135	4080958	47	0.3E GRFD S GATE		2865	01	1	4239433	4094151	4239381	4093284
8	ADOREE	BELLFLOWR	0810	06	19	4248703	4080968	4249878	4080986	48	0.2S ST\$G S GATE		2864	01	1	4236718	4090873	4237434	4091068
9	GARDNDALE	BELLFLOWR	0812	02	19	4244681	4079746	4247397	4078304	49	0.3S FRST DOWNEY		2868	01	6	4249127	4088079	4248349	4088536
10	FOSTER	BELLFLOWR	1298	02	19	4245962	4079150	4247262	4079483	50	0.3S FRST DOWNEY		2867	01	6	4248347	4088526	4247547	4089020
11	FOSTER	BELLFLOWR	1298	03	19	4247270	4079509	4249890	4079489	51	0.2N IMPR DOWNEY		2862	01	6	4236938	4088101	4237886	4087733
12	HOBACK	BELLFLOWR	1687	01	19	4247397	4078846	4248777	4078806	52	0.5S ST\$G DOWNEY		2863	01	6	4236920	4089386	4237980	4089667
13	ARDIS	BELLFLOWR	1681	02	19	4249097	4077457	4249057	4079451	53	0.2W ORSR DOWNEY		2870	01	6	4240243	4090855	4240603	4091491
14	ARDIS	BELLFLOWR	1681	03	19	4248745	4079503	4248731	4082163	54	0.4W ORSR DOWNEY		2869	01	6	4239105	4091624	4239441	4092216
15	ARDIS	BELLFLOWR	1681	04	19	4248747	4082177	4248567	4082807	55	0.5E GRFD DOWNEY		2866	01	6	4240874	4093133	4240980	4093822
16	ARDIS	BELLFLOWR	1681	05	19	4248575	4082809	4248519	4084050	56	0.3N SUVA DOWNEY		2918	01	6	4248897	4099553	4248269	4100551
17	CLARK	BELLFLOWR	1679	02	19	4247425	4073163	4247391	4083859	57	0.1N FSBR DOWNEY		2917	01	6	4247675	4100240	4247096	4101103
18	HANWELL	BELLFLOWR	1686	01	19	4245354	4077853	4246028	4079200	58	0.4N FSBR DOWNEY		2916	01	6	4248893	4100826	4248353	4101765
19	HANWELL	BELLFLOWR	1686	02	19	4246036	4079206	4246470	4080968	59	0.3E OTIS CUDAHY		2873	01	3	4230413	4099527	4230325	4098756
20	0.2N RSCR	BELLFLOWR	2838	01	19	4244157	4078391	4245136	4078439	60	0.3E OTIS CUDAHY		2874	01	3	4230293	4098616	4230221	4097833
21	0.2E ALMD	LYNWOOD	2840	01	04	4220888	4085826												

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0032.001 REVISION 1

TIME OF ENTRY - 11:30:04 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20948 LOWER RIGHT = 20522 LOWER LEFT = 1031 UPPER LEFT = 1031

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21396 LOWER RIGHT = 150 LOWER LEFT = 237 UPPER LEFT = 21458

NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.85	GRFD	COMMERCE	2919	01	.8	4248915	4104536	4249355	4105305	41						
2	0.45	GRFD	COMMERCE	2920	01	.8	4247797	4105800	4248285	4106708	42						
3	0.25	GRFD	COMMERCE	2921	01	.8	4247046	4106678	4247639	4107593	43						
4	0.2N	SNTA	COMMERCE	2922	01	.8	4247615	4108510	4246732	4109143	44						
5	0.5N	SNTA	COMMERCE	2923	01	.8	4247741	4110189	4246846	4110249	45						
6	0.8N	SNTA	COMMERCE	2924	01	.8	4247783	4111239	4246814	4111696	46						
7	0.3N	SNTA	COMMERCE	2925	01	.8	4245950	4111062	4245382	4111752	47						
8	0.25	WSH	COMMERCE	2926	01	.8	4244567	4109454	4245226	4110042	48						
9	0.2N	GRFD	COMMERCE	2927	01	.8	4245236	4108557	4246014	4109193	49						
10	0.8E	GRFD	COMMERCE	2914	01	.8	4248307	4103660	4248821	4104421	50						
11	0.4E	GRFD	COMMERCE	2913	01	.8	4247070	4104524	4247469	4105268	51						
12	0.2E	GRFD	COMMERCE	2912	01	.8	4245936	4105054	4246438	4105812	52						
13	0.2W	GRFD	COMMERCE	2911	01	.8	4244079	4105901	4244425	4106794	53						
14	0.8E	EAS	COMMERCE	2910	01	.8	4243089	4106210	4243217	4107147	54						
15	0.5E	EAS	COMMERCE	2908	01	.8	4241682	4106336	4241804	4107294	55						
16	0.2E	EAS	COMMERCE	2905	01	.8	4240143	4106589	4240259	4107424	56						
17	0.2N	SLSN	COMMERCE	2900	01	.8	4238639	4108529	4239655	4108382	57						
18	0.6N	SLSN	COMMERCE	2901	01	.8	4238869	4110293	4239855	4110197	58						
19	0.9N	SLSN	COMMERCE	2902	01	.8	4239079	4111999	4240051	4111885	59						
20	0.3E	EAS	COMMERCE	2903	01	.8	4240906	4111381	4241328	4112254	60						
21	0.6E	EAS	COMMERCE	2904	01	.8	4242338	4110797	4242736	4111734	61						
22	0.25	SLSN	COMMERCE	2899	01	.8	4238374	4106085	4239213	4105963	62						
23	0.35	SLSN	COMMERCE	2898	01	.8	4236700	4106122	4237566	4106332	63						
24	0.2E	LGBH	COMMERCE	2897	01	.8	4237682	4106856	4237800	4108063	64						
25	0.2W	LGBH	COMMERCE	2896	01	.8	4235279	4106800	4235401	4107687	65						
26	0.4W	LGBH	COMMERCE	2895	01	.8	4234138	4106874	4234260	4107862	66						
27	0.6S	ATL	COMMERCE	2894	01	.8	4235595	4108424	4236249	4108954	67						
28	0.3S	ATL	COMMERCE	2893	01	.8	4234455	4109833	4234449	4109833	68						
29	0.3S	LGBH	COMMERCE	2892	01	.8	4233570	4110598	4232898	4111128	69						
30	0.4S	LGBH	COMMERCE	2891	01	.8	4233046	4109986	4232450	4110442	70						
31	0.2E	GFRD	COMMERCE	2890	01	.8	4231265	4110205	4231315	4110687	71						
32	0.25	FRTL	VERNON	2889	01	.7	4224514	4109880	4225268	4109861	72						
33	0.25	FRTL	VERNON	2888	01	.7	4223974	4109878	4223143	4109876	73						
34	0.2W	BOYL	VERNON	2887	01	.7	4222559	4110628	4222539	4111522	74						
35	0.2W	STFE	L ANGELES	2883	01	01	4217067	4111054	4217069	4110490	75						
36	0.2W	STFE	L ANGELES	2884	01	01	4217069	4110159	4217073	4109633	76						
37	0.2W	STFE	L ANGELES	2885	01	01	4217069	4109476	4217069	4108948	77						
38	0.2W	STFE	L ANGELES	2886	01	01	4217067	4108775	4217071	4108107	78						
39	0.2N	NDEV	L ANGELES	2871	01	01	4216760	4101665	4217563	4101796	79						
40	0.3E	CALF	HNTG PARK	2872	01	.6	4227339	4098975	4227457	4099758	80						

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME C50033.002 REVISION 2

TIME OF ENTRY - 11:35:00 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - HAYS/FRENEY

MAP X-COORDINATE DATA - UPPER RIGHT = 4268920 LOWER RIGHT = 4268920 LOWER LEFT = 4249580 UPPER LEFT = 4249580

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112880 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4112880

CURSOR X-COORDINATE DATA - UPPER RIGHT = 1:413 LOWER RIGHT = 11177 LOWER LEFT = 1681 UPPER LEFT = 1802

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17761 LOWER RIGHT = 1356 LOWER LEFT = 1446 UPPER LEFT = 17850

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	RATLIFE	DOWNEY	0658	01	06	4250048	4080900	4255119	4080866	41	PICO VSTA	DOWNEY	0641	01	6	4255598	4087737	4257036	4090152
2	IMPERIAL	DOWNEY	0504	16	06	4250130	4082265	4256295	4082227	42	LESTERFRD	DOWNEY	0639	01	6	4255264	4087937	4256869	4090713
3	MEADOW	DOWNEY	0656	01	06	4254486	4082878	4256248	4082894	43	MATTOCK	DOWNEY	0640	01	6	4254975	4088767	4256350	4091040
4	SPRY	DOWNEY	0657	01	06	4254586	4083437	4256343	4083437	44	HASTY	DOWNEY	0628	01	6	4253278	4087845	4255293	4091134
5	WASHBURN	DOWNEY	0653	01	06	4250117	4084900	4254099	4084981	45	PANGBORN	DOWNEY	0636	01	6	4253779	4087516	4256083	4091198
6	ELMVISTA	DOWNEY	0654	01	06	4249922	4085588	4251333	4085572	46	CHANEY	DOWNEY	0627	01	6	4252221	4089589	4254138	4092411
7	STEWRT\$GR	DOWNEY	0655	01	06	4249926	4086163	4252690	4086113	47	CLANCEY	DOWNEY	0626	01	6	4251757	4089873	4253374	4092407
8	STEWRT\$GR	DOWNEY	0655	02	06	4252686	4086111	4254258	4086780	48	VULTEE	DOWNEY	0624	01	6	4252005	4091479	4252977	4093108
9	FIRESTONE	DOWNEY	0561	09	06	4249902	4089360	4254266	4086786	49	TRISTAN	DOWNEY	0534	01	6	4251474	4091978	4252138	4093064
10	FIRESTONE	DOWNEY	0561	10	06	4254270	4086784	4256582	4085063	50	BIRCHDALE	DOWNEY	0623	01	6	4250266	4091000	4250464	4091369
11	COLDBROOK	DOWNEY	0652	01	06	4250840	4086139	4250853	4087562	51	BIRCHDALE	DOWNEY	0623	02	6	4250356	4091775	4250720	4092385
12	DUNROBIN	DOWNEY	0651	01	06	4251333	4082267	4251366	4084928	52	BIRCHDALE	DOWNEY	0623	03	6	4250881	4092317	4251352	4093016
13	CORNUTA	DOWNEY	0650	02	06	4251930	4083549	4251920	4084952	53	BROOKSHRE	DOWNEY	0576	01	6	4249914	4091775	4250221	4092717
14	CORNUTA	DOWNEY	0650	01	06	4251895	4080906	4252005	4083185	54	DOLAN	DOWNEY	0622	01	6	4249938	4093193	4250415	4093976
15	WOODRUFF	DOWNEY	0565	01	06	4252710	4080910	4252702	4087666	55	CHEROKEE	DOWNEY	0570	01	6	4249952	4092884	4251902	4091745
16	WOODRUFF	DOWNEY	0565	02	06	4252724	4087610	4252401	4087927	56	V AMORITA	DOWNEY	0569	01	6	4250979	4093195	4251572	4092892
17	WOODRUFF	DOWNEY	0565	03	06	4252403	4087925	4253716	4089925	57	OTTO	DOWNEY	0568	01	6	4250097	4095526	4251014	4094976
18	WOODRUFF	DOWNEY	0565	04	06	4253716	4089927	4253657	4090434	58	OTTO	DOWNEY	0568	02	6	4251048	4094860	4251445	4094596
19	WOODRUFF	DOWNEY	0565	05	06	4253653	4090440	4254712	4092028	59	OTTO	DOWNEY	0568	03	6	4251572	4094495	4251969	4094263
20	SGR FWY	DOWNEY	0244	10	06	4256317	4080864	4258926	4090992	60	LUBEC	DOWNEY	0567	01	6	4251936	4095301	4253627	4094303
21	SGR FWY	DOWNEY	0244	11	06	4258932	4090998	4263262	4100805	61	LUBEC	DOWNEY	0567	02	6	4253606	4094175	4254386	4093668
22	SGR FWY	PCO RVERA	0244	12	24	4263238	4100809	4267484	4109965	62	LUBEC	DOWNEY	0567	03	6	4254490	4093840	4256154	4092824
23	SGR FWY	PCO RVERA	0244	13	24	4267496	4109975	4267977	4112344	63	LUBEC	DOWNEY	0567	04	6	4256101	4092687	4256460	4092431
24	LAKEWOOD	DOWNEY	0563	01	06	4249957	4088039	4254451	4097298	64	LUBEC	DOWNEY	0567	05	6	4256586	4092549	4256961	4092273
25	STONEWOOD	DOWNEY	0574	01	06	4251113	4089102	4252419	4088368	65	LUBEC	DOWNEY	0567	06	6	4257252	4092134	4257618	4091894
26	PELLET	DOWNEY	0575	01	06	4252983	4088039	4253806	4087494	66	GALLATIN	DOWNEY	0255	04	6	4250335	4099212	4252991	4096355
27	CECILIA	DOWNEY	0573	01	06	4251148	4090230	4252309	4089551	67	GALLATIN	DOWNEY	0255	05	6	4252995	4096377	4257531	4092924
28	CECILIA	DOWNEY	0573	02	06	4252313	4089551	4254140	4088719	68	GALLATIN	DOWNEY	0255	06	6	4257545	4092930	4257942	4092439
29	CECILIA	DOWNEY	0573	03	06	4254132	4088570	4255570	4087733	69	OTTO	DOWNEY	0568	07	6	4257358	4091104	4257651	4090948
30	MULLER	DOWNEY	0572	01	06	4250189	4091876	4250987	4091369	70	OTTO	DOWNEY	0568	08	6	4254853	4092663	4255810	4092130
31	MULLER	DOWNEY	0572	02	06	4251649	4091066	4252317	4090442	71	OTTO	DOWNEY	0568	09	6	4254506	4093040	4254916	4092794
32	MULLER	DOWNEY	0572	03	06	4252331	4090432	4253519	4089657	72	OTTO	DOWNEY	0568	04	6	4253225	4093561	4254036	4093078
33	MULLER	DOWNEY	0572	04	06	4254671	4088893	4255541	4088394	73	ALLENGRVE	DOWNEY	0585	01	6	4250001	4100158	4250627	4099721
34	GOTHAM	DOWNEY	0571	01	06	4251891	4091537	4253205	4090799	74	V DEL RIO	DOWNEY	0589	01	6	4252625	4098099	4253902	4097121
35	GOTHAM	DOWNEY	0571	02	06	4253409	4090639	4255126	4089637	75	BOTANY	DOWNEY	0584	01	6	4250034	4101072	4251067	4100452
36	V AMORITA	DOWNEY	0569	02	06	4252437	4092236	4253716	4091483	76	VIA ROSA	DOWNEY	0586	01	6	4252099	4100535	4253649	4098669
37	V AMORITA	DOWNEY	0569	03	06	4254262	4091234	4255600	4090416	77	VIA ROSA	DOWNEY	0586	02	6	4254030	4098155	4254557	4097496
38	V AMORITA	DOWNEY	0569	04	06	4255944	4089789	4256769	4089260	78	CEDARTREE	DOWNEY	0587	01	6	4253032	4099719	4254462	4098212
39	FLORENCE	DOWNEY	0508	09	06	4249957	4094764	4251209	4094191	79	CEDARTREE	DOWNEY	0587	02	6	4255728	4096945	4257910	4095183
40	FLORENCE	DOWNEY	0508	10	06	4251211	4094187	4258449	4089761	80	CEDARTREE	DOWNEY	0587	03	6	4258439	4094796	4258924	4094369

TIME OF ENTRY - 11:55:04 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4268920 LOWER RIGHT = 4268920 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112880 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4112800
CURSOR X-COORDINATE DATA - UPPER RIGHT = 11413 LOWER RIGHT = 11177 LOWER LEFT = 1681 UPPER LEFT = 1802
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17761 LOWER RIGHT = 1356 LOWER LEFT = 1446 UPPER LEFT = 17850

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	SANTA ANA	DOWNEY	0123	13	06	4250028	4103922	4250376	4103339	41	PANGBORN	DOWNEY	0636	02	6	4256219	4091118	4257250	4092732
2	SANTA ANA	DOWNEY	0123	14	06	4250388	4103345	4250810	4102579	42	MATTOCK	DOWNEY	0640	02	6	4256512	4090950	4257451	4092463
3	SANTA ANA	DOWNEY	0123	15	06	4250804	4102579	4251863	4099226	43	TRUE	DOWNEY	0647	01	6	4257826	4093152	4260093	4096826
4	SANTA ANA	DOWNEY	0123	16	06	4251863	4099232	4256596	4095065	44	LESTERFRD	DOWNEY	0639	02	6	4257077	4090639	4257625	4091577
5	SANTA ANA	DOWNEY	0123	17	06	4256612	4095065	4258901	4090972	45	PICO VSTA	DOWNEY	0641	02	6	4257345	4090442	4257765	4091136
6	SLAUSON	DOWNEY	0509	10	06	4250024	4103499	4250343	4103333	46	APPLEBY	DOWNEY	0588	01	6	4254842	4095321	4256413	4094143
7	SLAUSON	DOWNEY	0509	11	06	4250356	4103319	4251468	4103633	47	CLAYMORE	PCO RVERA	0590	01	4	4255476	4098195	4258476	4095846
8	GUATEMALA	DOWNEY	0582	01	06	4249997	4101036	4250975	4101429	48	CLAYMORE	PCO RVERA	0590	02	4	4259360	4095065	4259824	4094824
9	RIVES	DOWNEY	0581	01	06	4250981	4101417	4252020	4101743	49	SUNGLOW	PCO RVERA	0591	01	4	4256433	4098344	4257686	4097678
10	TWEEDY	DOWNEY	0579	01	06	4249981	4098703	4251191	4100665	50	SUNGLOW	PCO RVERA	0591	02	4	4258227	4097520	4260814	4096526
11	TWEEDY	DOWNEY	0579	02	06	4251183	4100669	4252380	4101304	51	TERRADELL	PCO RVERA	0592	01	4	4254771	4099462	4256559	4098644
12	LOWMAN	DOWNEY	0580	01	06	4250912	4099723	4251244	4100126	52	TERRADELL	DOWNEY	0592	02	6	4258329	4097777	4260928	4096776
13	LOWMAN	DOWNEY	0580	02	06	4251492	4100336	4252655	4100954	53	LA DOCEÑA	DOWNEY	0593	02	6	4256728	4099053	4258140	4098564
14	PARAMOUNT	DOWNEY	0562	01	06	4249969	4097548	4251152	4098971	54	LA DOCEÑA	PCO RVERA	0593	03	4	4258806	4098147	4261394	4097287
15	PARAMOUNT	DOWNEY	0562	02	06	4251152	4098987	4253887	4101695	55	MAXINE	PCO RVERA	0594	01	4	4252954	4101779	4253940	4100988
16	PARROT	DOWNEY	0613	01	06	4249930	4096857	4251559	4099051	56	MAXINE	PCO RVERA	0594	02	4	4254242	4100907	4255097	4100276
17	ORIZABA	DOWNEY	0578	01	06	4250254	4096257	4251185	4097759	57	MAXINE	PCO RVERA	0594	03	4	4255014	4100116	4256109	4099611
18	ORIZABA	DOWNEY	0578	02	06	4251555	4098013	4252370	4098669	58	MAXINE	PCO RVERA	0594	04	4	4258236	4098801	4261191	4097855
19	DOWNEY	DOWNEY	0577	01	06	4250048	4094844	4250490	4095614	59	SHADE	PCO RVERA	0595	02	4	4257484	4099677	4258225	4099414
20	DOWNEY	DOWNEY	0577	02	06	4250488	4095612	4251867	4097544	60	SHADE	PCO RVERA	0595	03	4	4258307	4099536	4261293	4098380
21	DOWNEY	DOWNEY	0577	03	06	4251867	4097548	4252612	4098093	61	MYRON	PCO RVERA	0596	01	4	4256382	4100793	4261077	4099015
22	STAMPS	DOWNEY	0630	01	06	4253085	4098226	4254183	4099057	62	BURKE	PCO RVERA	0597	01	4	4256301	4101511	4260857	4099811
23	DOLAN	DOWNEY	0621	01	06	4250881	4094752	4251437	4095662	63	SHADE	PCO RVERA	0595	01	4	4255301	4100577	4255842	4100390
24	MELDAR	DOWNEY	0620	01	06	4252545	4096861	4253539	4097588	64	LA DOCEÑA	PCO RVERA	0593	01	4	4254189	4100549	4254946	4099955
25	MELDAR	DOWNEY	0620	02	06	4253730	4097718	4254663	4098410	65	PARAMOUNT	PCO RVERA	0562	03	4	4253889	4101711	4254022	4102816
26	MANZANAR	DOWNEY	0629	01	06	4252775	4096608	4254282	4097797	66	ROSEMEAD	PCO RVERA	0171	10	4	4254433	4097334	4256910	4103078
27	MANZANAR	PCO RVERA	0629	02	24	4254284	4097801	4255500	4100539	67	ROSEMEAD	PCO RVERA	0171	11	4	4256914	4103086	4260476	4109007
28	BROOKSHIRE	DOWNEY	0576	02	06	4250252	4092744	4252189	4095666	68	ROSEMEAD	PCO RVERA	0171	12	4	4260478	4109013	4262207	4110442
29	BROOKSHIRE	DOWNEY	0576	03	06	4252189	4095666	4253928	4097117	69	ROSEMEAD	PCO RVERA	0171	13	4	4262221	4110456	4262920	4112340
30	BIRCHDALE	DOWNEY	0623	04	06	4251680	4093299	4253207	4095670	70	ARRINGTON	PCO RVERA	0625	03	4	4255384	4097817	4256400	4100404
31	TRISTAN	DOWNEY	0634	02	06	4252315	4093511	4253807	4094688	71	SERAPIS	PCO RVERA	0631	01	4	4256071	4097716	4258472	4103533
32	ARRINGTON	DOWNEY	0625	01	06	4252975	4093124	4253822	4094497	72	LEMORAN	PCO RVERA	0633	04	4	4256993	4097807	4257256	4097548
33	ARRINGTON	DOWNEY	0625	02	06	4253863	4094930	4254620	4096293	73	PASSONS	PCO RVERA	0635	01	4	4257327	4096796	4257641	4098135
34	CLANCEY	DOWNEY	0626	02	06	4254305	4094084	4254971	4095604	74	PASSONS	PCO RVERA	0635	02	4	4257572	4098175	4259223	4101326
35	HALEDON	DOWNEY	0632	01	06	4253755	4092655	4255533	4096015	75	CORD	PCO RVERA	0642	03	4	4257527	4096023	4258673	4098662
36	LEMORAN	DOWNEY	0633	01	06	4254510	4093922	4255315	4094076	76	CORD	PCO RVERA	0642	04	4	4259482	4100318	4259661	4100717
37	LEMORAN	DOWNEY	0633	02	06	4255311	4094080	4256011	4095652	77	HASTY	PCO RVERA	0628	04	4	4257977	4096231	4258460	4097442
38	LEMORAN	DOWNEY	0633	03	06	4256209	4095538	4256582	4096305	78	HASTY	PCO RVERA	0628	05	4	4258655	4097965	4258940	4098600
39	HASTY	DOWNEY	0628	02	06	4255484	4091545	4256474	4093180	79									
40	HASTY	DOWNEY	0628	03	06	4256885	4093748	4257826	4095696	80									

TIME OF ENTRY - 12:15:04 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4268920 LOWER RIGHT = 4268920 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112880 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4112880
CURSOR X-COORDINATE DATA - UPPER RIGHT = 11413 LOWER RIGHT = 11177 LOWER LEFT = 1681 UPPER LEFT = 1802
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17761 LOWER RIGHT = 1356 LOWER LEFT = 1446 UPPER LEFT = 17850

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	SONGFEST	PCO	RVERA	0646	01	24	4257940	4194361	4258470	4095854	41	REICHLING	PCO	RVERA	0615	02	4	4262227	4109811	4264569	4108733
2	SONGFEST	PCO	RVERA	0646	02	24	4258419	4195904	4258694	4096640	42	REICHLING	PCO	RVERA	0615	03	4	4266305	4107857	4266783	4107482
3	ORANGE	PCO	RVERA	0637	01	24	4258486	4095215	4259936	4098959	43	BEXLEY	PCO	RVERA	0616	01	4	4261111	4112176	4262225	4110530
4	CLARINDA	PCO	RVERA	0638	01	24	4258692	4095043	4260231	4097757	44	BEXLEY	PCO	RVERA	0616	02	4	4263653	4109763	4264745	4109194
5	TRUE	PCO	RVERA	0647	02	24	4260266	4097039	4260488	4097602	45	BEXLEY	PCO	RVERA	0616	03	4	4266523	4108394	4267020	4107951
6	PICO VSTA	PCO	RVERA	0641	03	24	4259598	4094714	4260944	4096780	46	HOLBROOK	PCO	RVERA	0617	01	4	4261759	4112383	4262185	4111653
7	POINCIANA	PCO	RVERA	0608	02	24	4262303	4100176	4262808	4099999	47	HOLBROOK	PCO	RVERA	0617	02	4	4264173	4110707	4265276	4110100
8	POINCIANA	PCO	RVERA	0608	01	24	4259712	4101254	4260904	4100803	48	HOLBROOK	PCO	RVERA	0617	03	4	4266779	4109474	4267225	4109099
9	SLAUSON	PCO	RVERA	0509	12	24	4251460	4103629	4260675	4100314	49	VERNER	PCO	RVERA	0618	01	4	4263060	4112052	4264207	4111467
10	SLAUSON	PCO	RVERA	0509	13	24	4260684	4100316	4261647	4100258	50	UNDERWOOD	PCO	RVERA	0619	01	4	4264775	4110973	4265661	4110508
11	SLAUSON	PCO	RVERA	0509	14	24	4261655	4100274	4263024	4100462	51	BRADWELL	PCO	RVERA	0602	01	4	4262901	4100613	4263853	4102846
12	RIVERA	PCO	RVERA	0599	01	24	4257989	4102310	4259720	4100964	52	SUMRFIELD	PCO	RVERA	0644	01	4	4261851	4100757	4263354	4102866
13	RIVERA	PCO	RVERA	0599	02	24	4259722	4100966	4262822	4099815	53	PIONEER	PCO	RVERA	0645	01	4	4265714	4106963	4266590	4109392
14	BASCOM	PCO	RVERA	0600	01	24	4257123	4103381	4257415	4103200	54	PICO VSTA	PCO	RVERA	0641	04	4	4260828	4100533	4261468	4101872
15	BASCOM	PCO	RVERA	0600	02	24	4258223	4102940	4258728	4102761	55	PICO VSTA	PCO	RVERA	0641	05	4	4261696	4101998	4262366	4102874
16	BASCOM	PCO	RVERA	0600	03	24	4258924	4102485	4259343	4102286	56	PICO VSTA	PCO	RVERA	0641	06	4	4262366	4102862	4262755	4103623
17	BASCOM	PCO	RVERA	0600	04	24	4259574	4102138	4261301	4101529	57	PICO VSTA	PCO	RVERA	0641	07	4	4262374	4104012	4262918	4104814
18	BASCOM	PCO	RVERA	0600	05	24	4261989	4100986	4262920	4100665	58	PICO VSTA	PCO	RVERA	0641	08	4	4262920	4104804	4263938	4107470
19	TROJAN	PCO	RVERA	0607	01	24	4254928	4103491	4266115	4102868	59	PICO VSTA	PCO	RVERA	0641	09	4	4264237	4107979	4265024	4109841
20	REX	PCO	RVERA	0598	01	24	4254490	4106145	4260916	4101990	60	PICO VSTA	PCO	RVERA	0641	10	4	4265022	4109845	4265608	4110500
21	FOXSBURY	PCO	RVERA	0601	01	24	4258948	4104050	4259368	4103784	61	CORD	PCO	RVERA	0642	05	4	4259592	4101834	4259918	4101817
22	FOXSBURY	PCO	RVERA	0601	02	24	4260115	4103393	4261512	4102511	62	CORD	PCO	RVERA	0642	06	4	4260081	4101964	4260264	4102399
23	DANBRIDGE	PCO	RVERA	0603	01	24	4258221	4105133	4260368	4103764	63	CORD	PCO	RVERA	0642	07	4	4261307	4103541	4261812	4104275
24	SCHOOLING	PCO	RVERA	0604	01	24	4260639	4103736	4261810	4102976	64	CORD	PCO	RVERA	0642	08	4	4262478	4106385	4263561	4108348
25	NAN	PCO	RVERA	0605	01	24	4258798	4105365	4260582	4104223	65	CORD	PCO	RVERA	0642	09	4	4265046	4110859	4265402	4111569
26	NAN	PCO	RVERA	0605	02	24	4260598	4104333	4262514	4103122	66	MILLEUX	PCO	RVERA	0643	01	4	4261700	4104443	4263537	4107698
27	WASHINGTON	PCO	RVERA	0106	12	24	4254480	4109424	4255861	4108233	67	MILLEUX	PCO	RVERA	0643	02	4	4265301	4110739	4265639	4111481
28	WASHINGTON	PCO	RVERA	0106	13	24	4255859	4108231	4264058	4102886	68	PASSONS	PCO	RVERA	0635	03	4	4259248	4101304	4259926	4103118
29	GOODBEE	PCO	RVERA	0609	01	24	4256502	4108251	4257034	4107871	69	PASSONS	PCO	RVERA	0635	04	4	4259920	4103120	4261077	4104912
30	GOODBEE	PCO	RVERA	0609	02	24	4257268	4107704	4257706	4107370	70	PASSONS	PCO	RVERA	0635	05	4	4261083	4104902	4265011	4112318
31	GOODBEE	PCO	RVERA	0609	03	24	4260694	4105626	4252730	4104481	71	CITRONELL	PCO	RVERA	0649	01	4	4258643	4101783	4259266	4103609
32	CARRON	PCO	RVERA	0610	01	24	4257233	4108388	4258380	4107676	72	CITRONELL	PCO	RVERA	0649	02	4	4259272	4103601	4259641	4104221
33	CARRON	PCO	RVERA	0610	02	24	4258321	4107542	4259993	4106626	73	CITRONELL	PCO	RVERA	0649	03	4	4260451	4105253	4261168	4106303
34	CARRON	PCO	RVERA	0610	03	24	4260333	4106454	4260734	4106235	74	CITRONELL	PCO	RVERA	0649	04	4	4262716	4109576	4263488	4111088
35	CARRON	PCO	RVERA	0610	04	24	4261364	4105876	4263007	4105012	75	LOCK ALEN	PCO	RVERA	0659	01	4	4258441	4103621	4259052	4104618
36	HANEY	PCO	RVERA	0611	01	24	4261787	4106243	4263219	4105524	76	LOCK ALEN	PCO	RVERA	0659	02	4	4259525	4104974	4259895	4105572
37	BALFOUR	PCO	RVERA	0612	01	24	4261462	4107857	4263624	4106508	77	LOCK ALEN	PCO	RVERA	0659	03	4	4259836	4105682	4260578	4106742
38	MINES	PCO	RVERA	0277	02	24	4259543	4110605	4261940	4108905	78	LOCK ALEN	PCO	RVERA	0659	04	4	4260582	4106746	4261144	4107766
39	MINES	PCO	RVERA	0277	03	24	4261954	4108901	4264657	4107426	79	LOCK ALEN	PCO	RVERA	0659	05	4	4261956	4109256	4262423	4110090
40	REICHLING	PCO	RVERA	0615	01	24	4260679	4112026	4260938	4111647	80										

PAGE 3

TIME OF ENTRY - 13:42:00 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 13:42:00    DATE OF LAST UPDATE - 20-JAN-77    OPERATOR NAME - HING-SHARNEY
MAP X-COORDINATE DATA - UPPER RIGHT = 4268920 LOWER RIGHT = 4268920 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112880 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4112880
CURSOR X-COORDINATE DATA - UPPER RIGHT = 11417 LOWER RIGHT = 11184 LOWER LEFT = 1692 UPPER LEFT = 1804
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17774 LOWER RIGHT = 1356 LOWER LEFT = 1450 UPPER LEFT = 17852

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	LOCK ALEN	PCO	RVERA	0659	06	24	4262707	4110747	4267086	4111284	41								
2	MANZANAR	PCO	RVERA	0629	03	24	4256016	4102006	4256499	4103281	42								
3	MANZANAR	PCO	RVERA	0629	04	24	4258948	4107086	4259291	4107559	43								
4	MANZANAR	PCO	RVERA	0629	05	24	4259967	4109562	4262119	4110743	44								
5	KLTONVIEU	PCO	RVERA	0648	01	24	4254979	4102385	4255727	4103777	45								
6	KLTONVIEU	PCO	RVERA	0648	02	24	4257693	4107106	4258317	4108038	46								
7	KLTONVIEU	PCO	RVERA	0648	03	24	4258359	4108022	4259199	4108155	47								
8	PARAMOUN	PCO	RVERA	0506	01	24	4254380	4102600	4255273	4104147	48								
9	PARAMOUN	PCO	RVERA	0562	04	24	4254019	4102812	4255346	4106230	49								
10	PARAMOUN	PCO	RVERA	0562	05	24	4255342	4106230	4256650	4108229	50								
11	PARAMOUN	PCO	RVERA	0562	06	24	4256652	4108227	4257993	4108734	51								
12	PARAMOUN	PCO	RVERA	0562	07	24	4258048	4108738	4260305	4111340	52								
13	PARAMOUN	PCO	RVERA	0562	08	24	4260307	4111334	4260841	4112362	53								
14	BLUFF	MNTEBELLO		0267	05	03	4252860	4105801	4253019	4106475	54								
15	BLUFF	MNTEBELLO		0267	06	03	4253021	4106485	4253382	4108217	55								
16	BLUFF	MNTEBELLO		0267	07	03	4253404	4108235	4256236	4112370	56								
17	4TH	MNTEBELLO		0263	04	03	4252053	4106140	4252713	4107511	57								
18	4TH	MNTEBELLO		0263	03	03	4254307	4110484	4255293	4112401	58								
19	5TH	MNTEBELLO		0262	04	03	4252844	4107870	4254197	4110552	59								
20	5TH	MNTEBELLO		0262	03	03	4254017	4110584	4254993	4112435	60								
21	CAROB	MNTEBELLO		0558	01	03	4251758	4106266	4253877	4110713	61								
22	6TH	MNTEBELLO		0274	02	03	4253702	4110781	4254466	4112312	62								
23	MONTEBELLO	MNTEBELLO		0261	03	03	4251149	4106533	4254203	4112435	63								
24	SPRUCE	MNTEBELLO		0560	01	03	4250668	4106763	4252186	4109692	64								
25	GREENWOOD	MNTEBELLO		0260	03	03	4250036	4106675	4252978	4112411	65								
26	TAYLOR	MNTEBELLO		0258	03	03	4250660	4109452	4251049	4110230	66								
27	TAYLOR	MNTEBELLO		0258	04	03	4251027	4111733	4252159	4112417	67								
28	MAPLE	MNTEBELLO		0257	03	03	4250067	4109997	4251293	4112423	68								
29	SYCAMORE	MNTEBELLO		0552	01	03	4250105	4106954	4252885	4105811	69								
30	ELM	MNTEBELLO		0553	01	03	4250531	4107664	4253041	4106441	70								
31	OAKWOOD	MNTEBELLO		0554	01	03	4250892	4108405	4253168	4107287	71								
32	HASKINS	MNTEBELLO		0551	01	03	4250089	4109710	4253380	4108117	72								
33	FRANKEL	MNTEBELLO		0556	01	03	4250982	4110238	4253944	4108830	73								
34	WASHINGTON	MNTEBELLO		0106	11	03	4250122	4111693	4254453	4109448	74								
35	JACMAR	MNTEBELLO		0557	01	03	4252942	4111114	4254637	4110332	75								
36	BEACH	MNTEBELLO		0279	02	03	4252206	4112397	4255315	4110951	76								
37	HUGHES	MNTEBELLO		0559	01	03	4253932	4112441	4254225	4112374	77								
38	HUGHES	MNTEBELLO		0559	02	03	4254219	4112415	4255721	4111667	78								
39											79								
40											80								

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TIME OF ENTRY - 10:15:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4268920 LOWER RIGHT = 4268920 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112880 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4112880
CURSOR X-COORDINATE DATA - UPPER RIGHT = 11300 LOWER RIGHT = 11044 LOWER LEFT = 1542 UPPER LEFT = 1674
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17798 LOWER RIGHT = 1382 LOWER LEFT = 1482 UPPER LEFT = 17897

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[illegible]

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TIME OF ENTRY - 19:00:00 DATE OF LAST UPDATE 06-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4297000 LOWER RIGHT = 4297000 LOWER LEFT = 4287000 UPPER LEFT = 4287000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4090000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4090000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 5496 LOWER RIGHT = 5493 LOWER LEFT = 497 UPPER LEFT = 359
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13822 LOWER RIGHT = 1911 LOWER LEFT = 1879 UPPER LEFT = 13848

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	MDW GREEN	LA COUNTY	1315	01	02	4290272	4080367	4290320	4080896	41	FAIRHOPE	LA COUNTY	1319	02	2	4290278	4073286	4289708	4073212
2	MDW GREEN	LA COUNTY	1315	02	02	4290318	4080898	4290971	4081586	42	FAIRHOPE	LA COUNTY	1319	03	2	4289714	4073208	4289127	4072166
3	MDW GREEN	LA COUNTY	1315	03	02	4290983	4081588	4291305	4082175	43	MALVERN	LA COUNTY	1302	01	2	4288321	4071525	4290268	4069854
4	SUMMRSHDE	LA COUNTY	1313	01	02	4291355	4081429	4293987	4081925	44	MALVERN	BUENA PRK	1302	02	1	4290256	4069868	4290525	4068562
5	GRAYVILLE	MNTEBELLO	1316	01	03	4290931	4082167	4294614	4082240	45	MALVERN	BUENA PRK	1302	03	1	4290529	4068556	4291329	4068105
6	1ST	LA COUNTY	1314	01	02	4292560	4082508	4292562	4081642	46	MALVERN	BUENA PRK	1302	04	1	4291319	4068091	4295374	4068342
7	0.2W 1ST	LA COUNTY	2484	01	02	4291379	4082799	4291383	4082248	47	ALONDRA	LA COUNTY	0497	08	2	4287894	4071891	4289992	4071889
8	0.2E 1ST	LA COUNTY	2485	01	02	4293543	4083016	4293571	4082264	48	0.5N MLVN	LA COUNTY	2490	01	2	4290414	4072976	4291253	4072516
9	0.4E 1ST	LA COUNTY	2486	01	02	4294746	4082913	4294742	4082205	49	0.3N MLVN	LA COUNTY	2491	01	2	4289810	4072099	4290733	4071592
10	LARRYLYN	LA COUNTY	1330	01	02	4294482	4081307	4294612	4082207	50	MEADOWBRK	BUENA PRK	1323	01	1	4294598	4069120	4295134	4068715
11	0.8N RSCR	LA COUNTY	2487	01	02	4293689	4078656	4294664	4078089	51	MEADOWBRK	BUENA PRK	1323	02	1	4295144	4068731	4295216	4068290
12	0.5N RSCR	LA COUNTY	2488	01	02	4292760	4077523	4293953	4076868	52	ROCKLEDGE	BUENA PRK	1322	01	1	4293909	4068217	4294532	4068867
13	0.2N RSCR	LA COUNTY	2489	01	02	4292132	4076038	4293091	4075518	53	ROCKLEDGE	BUENA PRK	1322	02	1	4294530	4068871	4294748	4069563
14	IMPERIAL	LA MIRADA	0504	17	37	4287860	4082474	4296005	4082488	54	ROCKLEDGE	BUENA PRK	1322	03	1	4294748	4069565	4295352	4070176
15	OLIVE BRH	LA MIRADA	1297	01	37	4287924	4080932	4288919	4080800	55	MN'ICELLO	BUENA PRK	1307	01	1	4292386	4068143	4292448	4068935
16	OLIVE BRH	LA MIRADA	1297	02	37	4288921	4080796	4289930	4081010	56	MN'ICELLO	BUENA PRK	1307	02	1	4292450	4068933	4293149	4068985
17	FOSTER	LA MIRADA	1298	01	37	4288269	4079837	4290212	4079849	57	OAKMONT	BUENA PRK	1308	01	1	4291485	4068955	4292140	4068925
18	0.2N ALCN	LA MIRADA	2492	01	37	4289282	4078404	4290455	4078422	58	DEEPDALE	BUENA PRK	1309	01	1	4292444	4069856	4293065	4069874
19	ROSECRANS	LA MIRADA	0500	08	37	4287876	4075925	4290679	4075616	59	CN'RY CLB	BUENA PRK	1310	01	1	4290304	4069527	4291291	4070289
20	ROSECRANS	LA MIRADA	0500	09	37	4290677	4075616	4292670	4074552	60	CN'RY CLB	BUENA PRK	1310	02	1	4291271	4070293	4292120	4070589
21	ASHGROVE	LA MIRADA	1300	01	37	4287896	4075073	4											

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TIME OF ENTRY - 19:35:09 DATE OF LAST UPDATE 06-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4297000 LOWER RIGHT = 4297000 LOWER LEFT = 4287000 UPPER LEFT = 4287000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4090000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4090000

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CURSOR X-COORDINATE DATA - UPPER RIGHT = 5496 LOWER RIGHT = 5493 LOWER LEFT = 497 UPPER LEFT = 359
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13822 LOWER RIGHT = 1911 LOWER LEFT = 1879 UPPER LEFT = 13848
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NO	STREET	CITY	ST SEG CY	STARTX	STARTY	ENDX	ENDY NO
1	WAVERLY	BUENA PRK	1327 01 31	4291900	4073722	4293069	4073094 41
2	HILLCRE--	BUENA PRK	1324 01 31	4293079	4073808	4293933	4073774 42
3	HILLCRE--	BUENA PRK	1324 02 31	4293937	4073772	4293911	4072663 43
4	KENWOOD	BUENA PRK	1328 01 31	4292688	4071109	4292710	4068366 44
5	BUCK HILL	BUENA PRK	1329 01 31	4293693	4070854	4293935	4070489 45
6	BUCK HILL	BUENA PRK	1329 02 31	4293935	4070489	4293667	4069906 46
7	DALE	BUENA PRK	1293 02 31	4292240	4068135	4292274	4067056 47
8	RIDGELEA	BUENA PRK	1326 01 31	4291481	4068263	4291481	4072679 48
9	RIDGELEA	BUENA PRK	1326 02 31	4291497	4072691	4292158	4072865 49
10	RIDGELEA	BUENA PRK	1326 03 31	4292160	4072861	4292556	4073371 50
11							51
12							52
13							53
14							54
15							55
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39							79
40							80

TIME OF ENTRY - 15:30:00 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 15:30:00 DATE OF LAST UPDATE - 15-JAN-77 OPERATOR NAME - JMS-CKREY
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20681 LOWER RIGHT = 20709 LOWER LEFT = 1350 UPPER LEFT = 1383
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 8 UPPER LEFT = 21998

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	SEA SIDE	LNG BEACH	1203	01	2	4212033	4023016	4222402	4027280	41	ANAHEIM	L ANGELES	1016	05	1	4212083	4032576	4221305	4033334
2	SEA SIDE	LNG BEACH	1203	02	2	4222402	4027300	4225175	4027653	42	ANAHEIM	LNG BEACH	1016	06	2	4221307	4033332	4232058	4033298
3	OCEAN	LNG BEACH	1202	01	2	4225177	4027657	4228147	4027709	43	ANAHEIM	LNG BEACH	1016	07	2	4232068	4033298	4242322	4033292
4	OCEAN	LNG BEACH	1202	02	2	4228147	4027707	4232555	4027300	44	ANAHEIM	LNG BEACH	1016	08	2	4242341	4033304	4245449	4033280
5	OCEAN	LNG BEACH	1202	03	2	4232703	4027346	4238118	4026544	45	OPP	L ANGELES	1113	04	1	4212005	4033619	4213846	4033753
6	OCEAN	LNG BEACH	1202	04	2	4238224	4026556	4236771	4026187	46	OPP	L ANGELES	1113	05	1	4214255	4033637	4215895	4033753
7	OCEAN	LNG BEACH	1202	05	2	4238769	4026189	4243492	4025200	47	DENNI	L ANGELES	1112	04	1	4212041	4034289	4215562	4034519
8	LVINGSTON	LNG BEACH	1204	01	2	4243504	4025192	4245597	4025798	48	L	L ANGELES	1111	04	1	4211991	4035025	4213759	4035117
9	BROADWAY	LNG BEACH	1201	01	2	4226334	4028469	4232960	4028453	49	L	L ANGELES	1111	05	1	4213773	4034964	4214507	4035005
10	BROADWAY	LNG BEACH	1201	02	2	4232948	4028381	4237891	4027614	50	PC HIGHWAY	L ANGELES	1017	06	1	4211977	4036286	4218099	4036621
11	BROADWAY	LNG BEACH	1201	03	2	4237899	4027616	4241655	4026696	51	PC HIGHWAY	L ANGELES	1017	07	1	4218109	4036619	4219916	4035075
12	BROADWAY	LNG BEACH	1201	04	2	4241641	4026898	4245587	4026708	52	PC HIGHWAY	LNG BEACH	1017	08	2	4219918	4035879	4226172	4036092
13	3RD	LNG BEACH	1197	01	2	4226619	4028914	4233050	4028864	53	PC HIGHWAY	LNG BEACH	1017	09	2	4226176	4036092	4226984	4035935
14	3RD	LNG BEACH	1197	02	2	4233134	4028992	4238053	4028184	54	PC HIGHWAY	LNG BEACH	1017	10	2	4226984	4035937	4244777	4035925
15	3RD	LNG BEACH	1197	03	2	4238017	4028016	4245523	4028002	55	CRUCES	LNG BEACH	1205	01	2	4212019	4037174	4214427	4037313
16	VISTA	LNG BEACH	1199	01	2	4239976	4027266	4241278	4027257	56	14TH	LNG BEACH	1189	01	2	4222811	4033721	4224947	4033717
17	VISTA	LNG BEACH	1199	02	2	4241288	4027332	4245553	4027364	57	14TH	LNG BEACH	1189	02	2	4226312	4033685	4232055	4033713
18	4TH	LNG BEACH	1196	01	2	4226738	4029329	4237959	4029303	58	14TH	LNG BEACH	1189	03	2	4234672	4033954	4242286	4033946
19	4TH	LNG BEACH	1196	02	2	4237971	4029285	4245493	4029327	59	14TH	LNG BEACH	1189	04	2	4242601	4034154	4245296	4034132
20	COLORADO	LNG BEACH	1198	01	2	4239836	4028671	4245523	4028693	60	15TH	LNG BEACH	1186	01	2	4220932	4034337	4221895	4034347
21	6TH	LNG BEACH	1195	01	2	4226663	4030244	4234239	4030153	61	15TH	LNG BEACH	1186	02	2	4222831	4034367		

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TIME OF ENTRY - 16:10:30 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 16:10:30    DATE OF LAST UPDA E 15-JAN-77    OPERATOR NAME  HANCOCK, R E
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20681 LOWER RIGHT = 20709 LOWER LEFT = 1350 UPPER LEFT = 1383
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 8 UPPER LEFT = 21998

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	19TH	LNG BEACH	1184	01	2	4221325	4036212	4221787	4036202	41	25TH	SGNL HILL	1176	07	1	4235994	4040608	4237333	4040574
2	19TH	LNG BEACH	1184	02	2	4221793	4036204	4222538	4036603	42	WILLOW	LNG BEACH	1175	01	2	4221087	4041153	4232035	4041242
3	19TH	LNG BEACH	1184	03	2	4222530	4036617	4224899	4036623	43	WILLOW	SGNL HILL	1175	02	1	4232049	4041236	4242870	4041238
4	19TH	LNG BEACH	1184	04	2	4226222	4036603	4229411	4036613	44	WILLOW	SGNL HILL	1175	03	1	4242878	4041230	4243999	4040854
5	19TH	LNG BEACH	1184	05	2	4230792	4036595	4233385	4036603	45	WILLOW	LNG BEACH	1175	04	2	4244001	4040875	4245046	4040881
6	19TH	LNG BEACH	1184	06	2	4233379	4036461	4234733	4036442	46	27TH	LNG BEACH	1174	01	2	4224087	4041903	4225043	4041899
7	19TH	LNG BEACH	1184	07	2	4235021	4036412	4235731	4036428	47	27TH	LNG BEACH	1174	02	2	4226186	4041895	4233367	4041883
8	19TH	LNG BEACH	1184	08	2	4236840	4036609	4240654	4036605	48	27TH	SGNL HILL	1174	03	1	4235382	4041907	4236008	4041897
9	19TH	LNG BEACH	1184	09	2	4241312	4036607	4242152	4036621	49	27TH	SGNL HILL	1174	04	1	4236387	4041921	4238711	4041903
10	20TH	LNG BEACH	1183	01	2	4220222	4036609	4221281	4036569	50	28TH	LNG BEACH	1173	01	2	4222811	4042553	4225298	4042565
11	20TH	LNG BEACH	1183	02	2	4221283	4036567	4222027	4037052	51	28TH	LNG BEACH	1173	02	2	4226234	4042551	4230375	4042587
12	20TH	LNG BEACH	1183	03	2	4222031	4037044	4222480	4037072	52	28TH	SGNL HILL	1173	03	1	4232031	4042561	4233395	4042581
13	20TH	LNG BEACH	1183	04	2	4222853	4037251	4225181	4037249	53	28TH	SGNL HILL	1173	04	1	4234706	4042567	4239982	4042593
14	20TH	LNG BEACH	1183	05	2	4226248	4037251	4234721	4037243	54	29TH	LNG BEACH	1172	01	2	4221000	4043255	4222765	4043233
15	20TH	LNG BEACH	1183	06	2	4234737	4037425	4236048	4037433	55	29TH	LNG BEACH	1172	02	2	4224123	4043201	4225326	4043213
16	20TH	SGNL HILL	1183	07	21	4236347	4037395	4237359	4037361	56	29TH	LNG BEACH	1172	03	2	4226770	4043203	4229583	4043225
17	20TH	SGNL HILL	1183	08	21	4237329	4037219	4239056	4037221	57	29TH	LNG BEACH	1172	04	2	4230215	4043211	4230730	4043221
18	20TH	SGNL HILL	1183	09	21	4239341	4037271	4240004	4037231	58	29TH	SGNL HILL	1172	05	1	4231105	4043221	4233417	4043241
19	20TH	SGNL HILL	1183	10	21	4240646	4037255	4242176	4037239	59	29TH	SGNL HILL	1172	06	1	4234672	4043209	4237329	4043205
20	WILLARD	LNG BEACH	1182	01	2	4220443	4037608	4222777	4037578	60	SPRING	LNG BEACH	1171	01	2	4221181	4043869	4225304	4043857
21	21ST	LNG BEACH	1180	01	2	4222841	4037898	4225330	4037918	61	SPRING	LNG BEACH	1171	02	2	4226254	4043863	4236409	4043877
22	21ST	LNG BEACH	1180	02	2	4226268	4037937	4234700	4037916	62	SPRING	SGNL HILL	1171	03	1	4236407	4043877	4239956	4043887
23	21ST	SGNL HILL	1180	03	21	4235535	4037904	4236064	4037933	63	SPRING	LNG BEACH	1171	04	2	4239962	4043873	4240985	4043516
24	21ST	SGNL HILL	1180	04	21	4236760	4037935	4238916	4037886	64	SPRING	LNG BEACH	1171	05	2	4241005	4043472	4243822	4043429
25	STEARNS	SGNL HILL	1181	01	21	4242435	4038215	4244971	4038177	65	SPRING	LNG BEACH	1171	06	2	4243826	4043415	4245270	4044338
26	HILL	LNG BEACH	1179	01	2	4220539	4038558	4225312	4038590	66	SPRING	LNG BEACH	1171	07	2	4245280	4044338	4246090	4044274
27	HILL	LNG BEACH	1179	02	2	4226240	4038594	4237598	4038602	67	31ST	LNG BEACH	1170	01	2	4222811	4044711	4224069	4044723
28	HILL	SGNL HILL	1179	03	21	4239447	4038602	4242270	4038606	68	31ST	LNG BEACH	1170	02	2	4224472	4044553	4225338	4044539
29	23RD	LNG BEACH	1178	01	2	4220914	4039236	4226740	4039254	69	31ST	LNG BEACH	1170	03	2	4226224	4044563	4232068	4044559
30	23RD	LNG BEACH	1178	02	2	4228105	4039256	4233373	4039244	70	32ND	LNG BEACH	1169	01	2	4222807	4045202	4225356	4045200
31	23RD	SGNL HILL	1178	03	21	4234081	4039266	4236038	4039230	71	32ND	LNG BEACH	1169	02	2	4226198	4045230	4229397	4045216
32	23RD	SGNL HILL	1178	04	21	4238541	4039210	4239966	4039210	72	32ND	LNG BEACH	1169	03	2	4230734	4045232	4231522	4045228
33	23RD	LNG BEACH	1178	05	2	4243325	4039507	4245048	4039539	73	32ND	SGNL HILL	1169	04	1	4233349	4045222	4235200	4045230
34	BURNETT	LNG BEACH	1177	01	2	4221474	4039908	4237335	4039926	74	33RD	LNG BEACH	1168	01	2	4222817	4045866	4225338	4045868
35	25TH	LNG BEACH	1176	01	2	4221456	4040580	4222767	4040578	75	33RD	LNG BEACH	1168	02	2	4228073	4045902	4229892	4045896
36	25TH	LNG BEACH	1176	02	2	4222873	4040489	4224085	4040479	76	33RD	SGNL HILL	1168	03	1	4231067	4045870	4237341	4045874
37	25TH	LNG BEACH	1176	03	2	4224099	4040582	4225087	4040566	77	34TH	LNG BEACH	1167	01	2	4222827	4046512	4225322	4046516
38	25TH	LNG BEACH	1176	04	2	4226238	4040564	4231378	4040584	78	34TH	LNG BEACH	1167	02	2	4226228	4046516	4227113	4046518
39	25TH	LNG BEACH	1176	05	2	4233020	4040580	4233387	4040596	79									
40	25TH	SGNL HILL	1176	06	21	4233698	4040586	4235406	4040594	80									

PAGE 4.

TIME OF ENTRY - 16:25:07 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FREENY

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MAP, X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20681 LOWER RIGHT = 20709 LOWER LEFT = 1350 UPPER LEFT = 1383
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 8 UPPER LEFT = 21998

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	W WARDLOW	LNG BEACH	1164	01	2	4218873	4048473	4223894	4048431	41	CARSON	LNG BEACH	1022	06	2	4233058	4051457	4242282	4051435
2	W WARDLOW	LNG BEACH	1164	02	2	4223896	4048415	4227058	4046510	42	CARSON	LNG BEACH	1022	07	2	4242258	4051465	4244975	4051419
3	W WARDLOW	LNG BEACH	1164	03	2	4227115	4046500	4239690	4046520	43	ADAMS	CARSON	1207	01	0	4219783	4051710	4222466	4051724
4	E WARDLOW	LNG BEACH	1165	01	2	4230285	4046554	4239688	4046530	44	MONROE	CARSON	1208	01	0	4220052	4052560	4222729	4052544
5	35TH	LNG BEACH	1163	01	2	4227127	4046805	4228035	4046901	45	VAN BUREN	CARSON	1209	01	0	4220206	4053048	4222917	4053050
6	35TH	LNG BEACH	1163	02	2	4229808	4047055	4230734	4047065	46	DOMINGUEZ	CARSON	1210	01	0	4214939	4053882	4225143	4053876
7	35TH	LNG BEACH	1163	03	2	4231580	4046965	4233381	4046939	47	TEHACHAPI	LNG BEACH	1156	01	2	4232703	4052560	4234548	4052564
8	36TH	LNG BEACH	1162	01	2	4227086	4047174	4227887	4047182	48	TEHACHAPI	LNG BEACH	1156	02	2	4234785	4052618	4237289	4052983
9	36TH	LNG BEACH	1162	02	2	4229254	4047723	4237321	4047677	49	CLAIBORNE	LNG BEACH	1157	01	2	4232045	4052673	4234143	4053990
10	37TH	LNG BEACH	1161	01	2	4228556	4048475	4229623	4048469	50	CLAIBORNE	LNG BEACH	1157	02	2	4234137	4054012	4234446	4053864
11	37TH	LNG BEACH	1161	02	2	4230778	4048469	4237285	4048461	51	45TH	LNG BEACH	1153	01	2	4230209	4053906	4231474	4054157
12	SAN DIEGO	CARSON	1024	05	20	4212067	4049398	4213378	4048999	52	45TH	LNG BEACH	1153	02	2	4231470	4054159	4233156	4054137
13	SAN DIEGO	CARSON	1024	06	20	4213376	4049001	4222789	4048860	53	FREELAND	LNG BEACH	1154	01	2	4233160	4054155	4234139	4054778
14	SAN DIEGO	LNG BEACH	1024	07	2	4222791	4048850	4225159	4049263	54	45TH	LNG BEACH	1153	03	2	4235108	4054373	4236299	4053677
15	SAN DIEGO	LNG BEACH	1024	08	2	4225159	4049265	4226365	4049005	55	45TH	LNG BEACH	1153	04	2	4236303	4053681	4237337	4053609
16	SAN DIEGO	LNG BEACH	1024	09	2	4226367	4049007	4229942	4046813	56	WARWOOD	LAKEWOOD	1270	01	9	4239802	4052895	4242094	4052871
17	SAN DIEGO	LNG BEACH	1024	10	2	4229942	4046801	4231442	4045481	57	GREENTOP	LAKEWOOD	1268	01	9	4238625	4054147	4240784	4054137
18	SAN DIEGO	LNG BEACH	1024	11	2	4231440	4045477	4233158	4044797	58	CNTRY CLB	LAKEWOOD	1269	01	9	4241270	4054090	4242657	4054090
19	SAN DIEGO	SGNL HILL	1024	12	21	4233158	4044795	4236353	4044841	59	CNTRY CLB	LAKEWOOD	1269	02	9	4242655	4054088	4243546	4054191
20	SAN DIEGO	LNG BEACH	1024	13	2	4236373	4044837	4239034	4043939	60	CNTRY CLB	LAKEWOOD	1269	03	9	4243550	4054191	4244763	4053048
21	SAN DIEGO	LNG BEACH	1024	17	2	4239046	4043921	4241192	4042543	61	FARMAN	LAKEWOOD	1267	01					

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - FREENY/HAYS

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TIME OF ENTRY - 10:00:00    DATE OF LAST UPDATE - 20-JAN-77    OPERATOR NAME - FLEETMAN
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20694 LOWER RIGHT = 20715 LOWER LEFT = 1351 UPPER LEFT = 1373
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21998 LOWER RIGHT = 1 LOWER LEFT = 11 UPPER LEFT = 21997

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NO	STREET	CITY	'ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	'ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HARDING	LNG BEACH	1125	03	:2	4240304	4064340	4242307	4064390	41	SKIPJACK	LNG BEACH	1262	01	2	4219763	4025928	4220788	4022882
2	HARDING	LAKEWOOD	1125	04	:29	4242294	4064380	4250031	4064400	42	PIERE	LNG BEACH	1263	01	2	4221249	4023371	4220288	4026151
3	SCOTT	LA COUNTY	1127	01	:02	4225886	4064823	4227092	4064879	43	MCHELEN	CARSON	1250	01	0	4220699	4047451	4220743	4050859
4	SCOTT	LNG BEACH	1127	02	:2	4227137	4064765	4228766	4064817	44	HARBOR VW	CARSON	1251	01	0	4220882	4051188	4220860	4053920
5	63RD	LNG BEACH	1129	01	:2	4230310	4064809	4231866	4064773	45	PROSPECT	CARSON	1252	01	0	4221940	4051220	4221928	4053910
6	63RD	LNG BEACH	1129	02	:2	4232964	4064873	4236998	4064900	46	EVONDA	CARSON	1255	01	0	4221233	4049294	4221249	4049693
7	63RD	LNG BEACH	1129	03	:2	4237010	4065020	4238153	4065030	47	EVONDA	CARSON	1255	02	0	4221489	4050779	4221489	4051184
8	63RD	LNG BEACH	1129	04	:2	4238530	4064873	4240983	4064892	48	WEBSTER	CARSON	1254	05	0	4221389	4047431	4221399	4048476
9	BORT	LNG BEACH	1130	01	:2	4225593	4065323	4228903	4065351	49	SEABRIGHT	LNG BEACH	1253	04	2	4222079	4047429	4222081	4048488
10	64TH	LNG BEACH	1121	01	:2	4232968	4065505	4236998	4065527	50	JUDSON	LNG BEACH	1256	01	2	4220976	4034072	4220980	4035937
11	64TH	LNG BEACH	1121	02	:2	4237222	4065523	4238135	4065521	51	WEBSTER	LNG BEACH	1254	01	2	4221293	4036216	4221263	4036866
12	64TH	LNG BEACH	1121	03	:2	4239652	4065483	4240973	4065477	52	WEBSTER	LNG BEACH	1254	02	2	4221463	4038547	4221459	4041247
13	64TH	LNG BEACH	1121	04	:2	4240963	4065479	4242250	4065527	53	WEBSTER	LNG BEACH	1254	03	2	4221519	4041476	4221411	4042432
14	CEDAR	BELLFLOWR	1122	01	:9	4242244	4065515	4244999	4065509	54	WEBSTER	LNG BEACH	1254	04	2	4221479	4042968	4221469	4043913
15	65TH	LNG BEACH	1119	01	:2	4225910	4066145	4228927	4066141	55	SEABRIGHT	LNG BEACH	1253	01	2	4222129	4033382	4222111	4035950
16	65TH	LNG BEACH	1119	02	:2	4232279	4066131	4236996	4066165	56	SEABRIGHT	LNG BEACH	1253	02	2	4222111	4038567	4222133	4041213
17	65TH	LNG BEACH	1119	03	:2	4237032	4066055	4238103	4066059	57	SEABRIGHT	LNG BEACH	1253	03	2	4222099	4042980	4222083	4043879
18	65TH	LNG BEACH	1119	04	:2	4239660	4066045	4241220	4066061	58	SANTA FE	LNG BEACH	0139	14	2	4222804	4032634	4222768	4042621
19	RAMONA	BELLFLOWR	1120	01	:9	4241629	4066161	4244999	4066201	59	SANTA FE	LNG BEACH	0139	15	2	4222780	4042627	4222770	4048885
20	VICTORIA	LA COUNTY	1067	03	:02	4212041	4064183	4220395	4064547	60	SANTA FE	LNG BEACH	0139	16	2	4222756	4048849	4222472	4049872
21	ARTESIA	LA COUNTY	1066	03	:02	4212025	4066408	4223073	4066625	61	SANTA FE	LNG BEACH	0139	17	2	4222439	4049880	4222299	4051168
22	ARTESIA	LNG BEACH	1066	04	:2	4223053	4066596	4234364	4066821	62	SANTA FE	LNG BEACH	0139	18	2	4222293	4051166	4223917	4056327
23	ARTESIA	LNG BEACH	1066	05	:2	4234370	4066807	4245011	4066867	63	SANTA FE	LNG BEACH	0139	19	2	4223931	4056361	4223929	4057303
24	SANFORD	L ANGELES	1259	01	:01	4212165	4030995	4212093	4032602	64	SANTA FE	LA COUNTY	0139	20	2	4223925	4057299	4222385	4060990
25	SANFORD	L ANGELES	1259	02	:01	4212261	4032622	4211971	4036303	65	SANTA FE	LA COUNTY	0139	21	2	4222399	4060994	4223460	4062781
26	PIONEER	L ANGELES	1260	01	:01	4212905	4031545	4212883	4032650	66	SANTA FE	LA COUNTY	0139	22	2	4223468	4062785	4223626	4064129
27	PIONEER	L ANGELES	1260	02	:01	4212787	4032648	4212718	4033663	67	SANTA FE	LA COUNTY	0139	23	2	4223630	4064129	4223027	4066953
28	WATSON	L ANGELES	1258	01	:01	4213085	4032674	4212839	4037556	68	CASPIAN	LNG BEACH	1211	01	2	4223801	4032257	4223767	4038595
29	BLINN	L ANGELES	1257	01	:01	4213045	4033741	4213617	4038102	69	CASPIAN	LNG BEACH	1211	02	2	4223761	4039261	4223747	4042533
30	HENRY FRD	L ANGELES	1261	01	:01	4215501	4024424	4214707	4034048	70	CASPIAN	LNG BEACH	1211	03	2	4223307	4042559	4223785	4043754
31	HENRY FRD	L ANGELES	1261	02	:01	4214701	4034022	4214527	4034744	71	CASPIAN	LNG BEACH	1211	04	2	4223787	4043883	4223749	4044733
32	ALAMEDA	L ANGELES	0142	14	:01	4213945	4032947	4216962	4042559	72	CASPIAN	LNG BEACH	1211	05	2	4223759	4045224	4223755	4046526
33	ALAMEDA	L ANGELES	0142	13	:01	4212047	4030347	4213935	4032921	73	CASPIAN	LNG BEACH	1211	06	2	4223588	4046530	4223560	4048444
34	ALAMEDA	CARSON	0142	15	:20	4216950	4042559	4220507	4053912	74	FASHION	LNG BEACH	1212	01	2	4224847	4032393	4224829	4033025
35	ALAMEDA	CARSON	0142	16	:20	4220513	4053880	4221948	4059271	75	FASHION	LNG BEACH	1212	02	2	4224845	4033356	4224811	4035524
36	ALAMEDA	LA COUNTY	0143	17	:02	4221934	4059269	4222658	4063897	76	FASHION	LNG BEACH	1212	03	2	4224769	4036317	4224753	4046478
37	ALAMEDA	LA COUNTY	0142	18	:02	4222672	4063901	4222279	4066972	77	FASHION	LNG BEACH	1212	04	2	4224635	4046777	4224641	4047692
38	WILMINGTON	CARSON	0564	08	:20	4212027	4044697	4214603	4048502	78	LB FWY	LNG BEACH	0125	19	2	4226098	4031021	4225264	4031691
39	WILMINGTON	CARSON	0564	09	:20	4214593	4048500	4217161	4056587	79	LB FWY	LNG BEACH	0125	20	2	4225288	4031701	4225054	4036521
40	WILMINGTON	LA COUNTY	0564	10	:02	4217161	4056579	4216507	4066960	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

PAGE 4

FILE NAME C50045.001 REVISION 1

TIME OF ENTRY - 10:00:13 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - FRENEY/HAYS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600

MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20694 LOWER RIGHT = 20715 LOWER LEFT = 1351 UPPER LEFT = 1373

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21998 LOWER RIGHT = 1 LOWER LEFT = 11 UPPER LEFT = 21997

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	LB FWY	LNG BEACH	0125	21	2	4225050	4036521	4225144	4041640	41	LB BLVD	LNG BEACH	0168	09	2	4230693	4047076	4230723	4052239
2	LB FWY	LNG BEACH	0125	22	2	4225140	4041644	4225174	4049286	42	LB BLVD	LNG BEACH	0168	10	2	4230725	4052243	4228119	4060609
3	LB FWY	LNG BEACH	0125	23	2	4225174	4049284	4224767	4051182	43	LB BLVD	LNG BEACH	0168	11	2	4228119	4060615	4226567	4066907
4	LB FWY	LNG BEACH	0125	24	2	4224769	4051178	4225823	4056674	44	ELM	LNG BEACH	1247	01	2	4231226	4027473	4231252	4031932
5	LB FWY	LNG BEACH	0125	25	2	4225817	4056668	4226567	4060521	45	ELM	LNG BEACH	1247	02	2	4231120	4031992	4231106	4034975
6	LB FWY	LNG BEACH	0125	26	2	4226587	4060535	4228929	4065018	46	ELM	LNG BEACH	1247	03	2	4231054	4037917	4231008	4042258
7	LB FWY	LNG BEACH	0125	27	2	4228929	4065024	4229366	4066749	47	ELM	LNG BEACH	1247	04	2	4231034	4043885	4231028	4046546
8	RAHN	LA COUNTY	1249	01	02	4226132	4063618	4225771	4065196	48	ELM	LNG BEACH	1247	05	2	4231120	4046550	4231130	4052475
9	MURIEL	LNG BEACH	0949	03	2	4227265	4065022	4227303	4066958	49	ELM	LNG BEACH	1247	06	2	4231324	4052638	4230998	4053222
10	BUTLER	LNG BEACH	0955	02	2	4228400	4064721	4228428	4066964	50	ELM	LNG BEACH	1247	07	2	4231006	4056220	4230974	4063124
11	S FRNCSCO	LNG BEACH	1213	01	2	4226613	4028494	4226597	4030257	51	ELM	LNG BEACH	1247	08	2	4230819	4063056	4230799	4064757
12	S FRNCSCO	LNG BEACH	1213	02	2	4226501	4033368	4226535	4035883	52	ATLANTIC	LNG BEACH	0049	17	2	4232068	4027385	4232030	4037241
13	S FRNCSCO	LNG BEACH	1213	03	2	4226435	4036094	4226413	4041080	53	ATLANTIC	LNG BEACH	0049	18	2	4232028	4037917	4231996	4045878
14	S FRNCSCO	LNG BEACH	1213	04	2	4226387	4041407	4226397	4046368	54	ATLANTIC	LNG BEACH	0049	19	2	4232004	4045870	4232036	4055171
15	GOLDEN	LNG BEACH	1214	01	2	4226904	4027738	4226920	4030239	55	ATLANTIC	LNG BEACH	0049	20	2	4232028	4055173	4232016	4063497
16	GOLDEN	LNG BEACH	1214	02	2	4226760	4035937	4226742	4045098	56	ATLANTIC	LNG BEACH	0049	21	2	4232020	4063503	4231665	4066891
17	GOLDEN	LNG BEACH	1214	03	2	4226738	4045102	4226766	4046522	57	OLIVE	LNG BEACH	1219	01	2	4232836	4028065	4232882	4032060
18	MAGNOLIA	LNG BEACH	1215	01	2	4228087	4027698	4228059	4037558	58	OLIVE	LNG BEACH	1219	02	2	4232714	4031986	4232720	4034130
19	MAGNOLIA	LNG BEACH	1215	02	2	4228061	4037556	4228017	4046919	59	OLIVE	LNG BEACH	1219	03	2	4232708	4035941	4232676	4039831
20	MAGNOLIA	LNG BEACH	1215	03	2	4228015	4046917	4227676	4047922	60	OLIVE	LNG BEACH	1219	04	2	4232650	4041825	4232650	4042581
21	CEDAR	LNG BEACH	1216	01	2	4229011	4027706	4228945	4037269	61	OLIVE	LNG BEACH	1219	05	2	4232696	4043205	4232686	4043911
22	CEDAR	LNG BEACH	1216	02	2	4229041	4037259	4229021	4045766	62	OLIVE	LNG BEACH	1219	06	2	4232692	4045820	4232704	4052953
23	CEDAR	LNG BEACH	1216	03	2	4228929	4046588	4228877	4047335	63	OLIVE	LNG BEACH	1219	07	2	4232704	4052953	4232415	4053430
24	CEDAR	LNG BEACH	1216	04	2	4228835	4047680	4228488	4051202	64	OLIVE	LNG BEACH	1219	08	2	4232600	4058832	4232626	4063881
25	CEDAR	LNG BEACH	1216	05	2	4228502	4051204	4228867	4051521	65	CALIFORNA	LNG BEACH	1218	02	2	4233337	4032989	4233383	4042972
26	CEDAR	LNG BEACH	1216	06	2	4229384	4057031	4229402	4060027	66	CALIFORNA	LNG BEACH	1218	03	2	4233385	4042976	4233385	4042980
27	PACIFIC	LNG BEACH	1248	01	2	4229420	4027653	4229392	4037919	67	CALIFORNA	LNG BEACH	1218	04	2	4233353	4030235	4233325	4032981
28	PACIFIC	LNG BEACH	1248	02	2	4229396	4037909	4229350	4046562	68	CALIFORNA	LNG BEACH	1218	05	2	4233343	4052991	4232862	4054086
29	PACIFIC	LNG BEACH	1248	03	2	4229352	4046562	4228803	4052259	69	CALIFORNA	LNG BEACH	1218	06	2	4232858	4054084	4232918	4055374
30	PACIFIC	LNG BEACH	1248	04	2	4228075	4054842	4228055	4058034	70	CALIFORNA	LNG BEACH	1218	07	2	4233249	4059440	4233203	4066799
31	PACIFIC	LNG BEACH	1248	05	2	4227987	4058112	4227953	4059714	71	LEMON	LNG BEACH	1220	01	2	4233875	4033304	4233893	4034636
32	PINE	LNG BEACH	1217	01	2	4229833	4027663	4229781	4037939	72	LEMON	LNG BEACH	1220	02	2	4234007	4035276	4234003	4041219
33	PINE	LNG BEACH	1217	02	2	4229783	4037921	4229757	4042577	73	LEMON	LNG BEACH	1220	03	2	4233991	4045208	4234001	4049387
34	PINE	LNG BEACH	1217	03	2	4229905	4044504	4229863	4045910	74	LEMON	LNG BEACH	1220	04	2	4233869	4050177	4233905	4051120
35	PINE	LNG BEACH	1217	04	2	4229781	4047070	4229618	4048480	75	LEMON	LNG BEACH	1220	05	2	4233692	4055897	4233674	4056736
36	PINE	LNG BEACH	1217	05	2	4229610	4048464	4229233	4052251	76	LEMON	LNG BEACH	1220	06	2	4233732	4058637	4233706	4059157
37	PINE	LNG BEACH	1217	06	2	4229797	4056630	4229805	4057105	77	LEMON	LNG BEACH	1220	07	2	4233786	4059436	4233772	4066785
38	PINE	LNG BEACH	1217	07	2	4229977	4057334	4229977	4060264	78	CERRITOS	LNG BEACH	1222	01	2	4233834	4027202	4234167	4031950
39	LB BLVD	LNG BEACH	0168	07	2	4230725	4027587	4230717	4037235	79	CERRITOS	LNG BEACH	1222	02	2	4234342	4031972	4234322	4032660
40	LB BLVD	LNG BEACH	0168	08	2	4230717	4037241	4230695	4047076	80	CERRITOS	LNG BEACH	1222	03	2	4234356	4035278	4234352	4035956

TIME OF ENTRY - 10:50:05 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - FREENY/HAYS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20694 LOWER RIGHT = 20715 LOWER LEFT = 1351 UPPER LEFT = 1373
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21998 LOWER RIGHT = 1 LOWER LEFT = 11 UPPER LEFT = 21997

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	CERRITOS	LNG BEACH	1222	04	12	4234360	4037261	4234362	4037949	41	ROSE	SGNL HILL	1223	03	1	4236824	4038607	4236807	4039568
2	CERRITOS	LNG BEACH	1222	05	12	4234348	4038860	4234314	4040595	42	ROSE	SGNL HILL	1223	04	1	4236663	4039905	4236657	4040902
3	CERRITOS	LNG BEACH	1222	06	12	4234340	4045218	4234267	4050145	43	ROSE	SGNL HILL	1223	05	1	4236661	4041879	4236665	4042615
4	CERRITOS	LNG BEACH	1222	07	12	4234169	4050171	4234179	4051118	44	ROSE	LNG BEACH	1223	06	2	4236691	4046552	4236689	4051101
5	CERRITOS	LNG BEACH	1222	08	12	4234442	4051868	4234422	4053882	45	ROSE	LNG BEACH	1223	07	2	4236840	4051691	4236807	4053695
6	CERRITOS	LNG BEACH	1222	09	12	4234103	4059384	4234067	4066795	46	ROSE	LNG BEACH	1223	08	2	4236645	4056072	4236459	4058417
7	ORANGE	LNG BEACH	0840	04	12	4234366	4027134	4234634	4028769	47	ROSE	LNG BEACH	1223	09	2	4236465	4058411	4236415	4064151
8	ORANGE	LNG BEACH	0840	09	12	4234644	4028777	4234660	4034614	48	ROSE	LNG BEACH	1223	10	2	4236324	4064214	4236336	4066841
9	ORANGE	LNG BEACH	0840	05	12	4234700	4035564	4234682	4045712	49	CHERRY	LNG BEACH	0147	02	2	4237070	4026723	4237313	4028157
10	ORANGE	LNG BEACH	0840	06	12	4234682	4045710	4234694	4054786	50	CHERRY	LNG BEACH	0147	03	2	4237309	4028157	4237319	4038605
11	ORANGE	LNG BEACH	0840	07	12	4234698	4054796	4234400	4058116	51	CHERRY	SGNL HILL	0147	04	1	4237321	4038609	4237319	4049376
12	ORANGE	LNG BEACH	0840	08	12	4234398	4058082	4234334	4066819	52	CHERRY	LNG BEACH	0147	05	2	4237321	4049399	4237269	4059482
13	NEBRASKA	LNG BEACH	1224	01	12	4235508	4029324	4235498	4030664	53	CHERRY	LNG BEACH	0147	06	2	4237265	4059476	4237014	4060254
14	HOFFMAN	LNG BEACH	1225	01	12	4235687	4031306	4235671	4031952	54	CHERRY	LNG BEACH	0147	07	2	4237020	4060256	4236976	4066943
15	HOFFMAN	LNG BEACH	1225	02	12	4235488	4031980	4235486	4033294	55	ALAMITOS	LNG BEACH	0206	01	2	4232698	4027343	4235025	4036613
16	GUNDRY	LNG BEACH	1226	01	12	4235312	4033280	4235284	4035943	56	ALAMITOS	LNG BEACH	0206	02	2	4235033	4036607	4236799	4037943
17	GUNDRY	SGNL HILL	1226	02	21	4235534	4037899	4235522	4038597	57	JUNIPERO	LNG BEACH	1228	01	2	4237553	4026378	4238676	4030666
18	GUNDRY	SGNL HILL	1226	03	21	4235514	4039917	4235480	4041201	58	JUNIPERO	LNG BEACH	1228	02	2	4238666	4030642	4238634	4037923
19	GUNDRY	SGNL HILL	1226	04	21	4235356	4041215	4235354	4043191	59	JUNIPERO	SGNL HILL	1228	03	1	4238692	4039241	4238674	4040035
20	GUNDRY	LNG BEACH	1226	05	12	4235350	4045844	4235320	4049356	60	JUNIPERO	SGNL HILL	1228	04	1	4238666	4041229	4238670	4043901
21	GUNDRY	LNG BEACH	1226	06	12	4235202	4049342	4235348	4051432	61	DEEBOYAR	LAKEWOOD	1243	01	9	4238618	4051434	4238564	4059309
22	GUNDRY	LNG BEACH	1226	07	12	4235434	4051683	4235430	4053392	62	PARAMOUNT	LAKEWOOD	0562	14	9	4239636	4051422	4239678	4061540
23	GUNDRY	LNG BEACH	1226	08	12	4235444	4053390	4235861	4054774	63	PARAMOUNT	LNG BEACH	0562	15	2	4239680	4061544	4239638	4066831
24	GUNDRY	LNG BEACH	1226	09	12	4235865	4054776	4235619	4055504	64	OB:SPO	LAKEWOOD	1235	02	9	4240508	4051442	4240532	4052983
25	GUNDRY	LNG BEACH	1226	10	12	4235619	4055506	4235422	4057695	65	OB:SPO	LAKEWOOD	1235	03	9	4240534	4052983	4240779	4053657
26	GUNDRY	LNG BEACH	1226	11	12	4234937	4061536	4234929	4064151	66	OB:SPO	LAKEWOOD	1235	04	9	4240781	4053655	4240751	4055149
27	GUNDRY	LNG BEACH	1226	12	12	4234935	4064159	4235065	4066781	67	OB:SPO	LAKEWOOD	1235	05	9	4240769	4055137	4241216	4056172
28	FALCON	LNG BEACH	1229	01	12	4235476	4026933	4235735	4028566	68	OB:SPO	LAKEWOOD	1235	06	9	4241208	4056176	4241240	4059219
29	WALNUT	LNG BEACH	1221	01	12	4235998	4028552	4236008	4038601	69	OB:SPO	LNG BEACH	1235	07	2	4240983	4061560	4240963	4066841
30	WALNUT	LNG BEACH	1221	02	12	4236008	4038607	4236000	4048454	70	OR:ZABA	LNG BEACH	0578	12	2	4240338	4060404	4240348	4061550
31	WALNUT	LNG BEACH	1221	03	12	4236000	4048464	4236008	4053476	71	OR:ZABA	LNG BEACH	0578	13	2	4240286	4064322	4240292	4066855
32	WALNUT	LNG BEACH	1221	04	12	4236002	4053486	4236378	4054353	72	DOUNEY	LAKEWOOD	0577	13	9	4242812	4055326	4242303	4056279
33	WALNUT	LNG BEACH	1221	05	12	4236138	4055709	4236036	4056527	73	DOUNEY	LAKEWOOD	0577	12	9	4242814	4054217	4242786	4055288
34	WALNUT	LNG BEACH	1221	06	12	4236040	4056956	4235933	4057887	74	DOUNEY	LAKEWOOD	0577	14	9	4242329	4056277	4242268	4056845
35	WALNUT	LNG BEACH	1221	07	12	4235530	4058361	4235510	4064133	75	HAYTER	LAKEWOOD	1244	01	9	4243100	4053621	4243824	4055330
36	WALNUT	LNG BEACH	1221	08	12	4235701	4064183	4235677	4066833	76	HAYTER	LAKEWOOD	1244	02	9	4243826	4055332	4243840	4064358
37	HERMOSA	LNG BEACH	1230	01	12	4236527	4026797	4236826	4028388	77	COKE	LNG BEACH	1245	01	2	4243557	4062246	4243549	4064727
38	HERMOSA	LNG BEACH	1230	02	12	4236822	4028390	4236795	4029324	78									
39	ROSE	LNG BEACH	1223	01	12	4236671	4029328	4236647	4031974	79									
40	ROSE	LNG BEACH	1223	02	12	4236675	4032634	4236659	4036100	80									

TIME OF ENTRY - 11:30:00 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20600 LOWER RIGHT = 20711 LOWER LEFT = 1351 UPPER LEFT = 1370
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 9 UPPER LEFT = 21989

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NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY
1	COKE	BELLFLOWR	1245	02	:9	4243520	4064752	4243588	4066847	41							
2	KENNEBEC	LNG BEACH	1233	01	:2	4238186	4026565	4238455	4027466	42							
3	MOLINO	LNG BEACH	1231	01	:2	4239237	4026130	4239522	4027197	43							
4	MOLINO	LNG BEACH	1231	02	:2	4239502	4027215	4239490	4029316	44							
5	MOLINO	LNG BEACH	1231	03	:2	4239291	4029336	4239341	4037249	45							
6	MOLINO	SGNL HILL	1231	04	:21	4239297	4038614	4239305	4040026	46							
7	DAWSON	SGNL HILL	1227	04	:21	4238016	4040582	4238020	4042608	47							
8	DAWSON	LNG BEACH	1227	01	:2	4237980	4029316	4237976	4034252	48							
9	DAWSON	LNG BEACH	1227	02	:2	4237891	4034266	4237877	4034659	49							
10	DAWSON	LNG BEACH	1227	03	:2	4238026	4035999	4237986	4037943	50							
11	TEMPLE	LNG BEACH	1234	01	:2	4239790	4025969	4240015	4027093	51							
12	TEMPLE	LNG BEACH	1234	02	:2	4240015	4027089	4239959	4039229	52							
13	TEMPLE	SGNL HILL	1234	03	:21	4239993	4040162	4239999	4043860	53							
14	ORIZABA	LNG BEACH	0578	10	:2	4240334	4025875	4240564	4026946	54							
15	ORIZABA	LNG BEACH	0578	11	:2	4240645	4026922	4240639	4038573	55							
16	PALOMA	LNG BEACH	1236	01	:2	4240861	4025755	4241106	4026790	56							
17	OBISPO	LNG BEACH	1235	01	:2	4241298	4026822	4241280	4039095	57							
18	REDONDO	LNG BEACH	1238	01	:2	4241888	4025422	4242134	4026335	58							
19	REDONDO	LNG BEACH	1238	02	:2	4241952	4026300	4241974	4035971	59							
20	REDONDO	SGNL HILL	1238	03	:21	4242126	4035734	4242301	4043483	60							
21	LOMA	LNG BEACH	1237	01	:2	4242483	4025392	4242670	4026178	61							
22	LOMA	LNG BEACH	1237	02	:2	4242668	4026180	4242624	4035951	62							
23	GRAND	LNG BEACH	1239	01	:2	4243291	4025101	4243263	4031794	63							
24	GRAND	LNG BEACH	1239	02	:2	4243133	4032087	4243123	4032685	64							
25	GRAND	LNG BEACH	1239	03	:2	4243295	4034478	4243281	4035951	65							
26	GRAND	LNG BEACH	1239	04	:2	4243556	4038218	4243566	4039552	66							
27	TERMINO	LNG BEACH	1240	01	:2	4243923	4025313	4243959	4027992	67							
28	TERMINO	LNG BEACH	1240	02	:2	4243658	4028002	4243967	4029206	68							
29	TERMINO	LNG BEACH	1240	03	:2	4243961	4029204	4243993	4035903	69							
30	TERMINO	LNG BEACH	1240	04	:2	4244156	4037855	4244134	4040660	70							

PAGE 4

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21529 LOWER RIGHT = 21534 LOWER LEFT = 2165 UPPER LEFT = 2200
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21980 LOWER RIGHT = LOWER LEFT = 13 UPPER LEFT = 21993
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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	S-REET	CITY	S-	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ROSE	BELLFLOWR	1123	01	.9	4242315	4064975	4245076	4064987	41									
2	WOLFE	LAKEWOOD	1138	01	29	4241194	4060718	4242379	4060732	42									
3	S ANTONIO	LNG BEACH	1155	01	.2	4227335	4049528	4227932	4049873	43									
4	S ANTONIO	LNG BEACH	1155	02	.2	4227944	4049861	4229027	4051095	44									
5	S ANTONIO	LNG BEACH	1155	03	.2	4229011	4051105	4237376	4056486	45									
6	ARLINGTON	LNG BEACH	1166	01	.2	4220016	4047632	4222823	4047614	46									
7	ARLINGTON	LNG BEACH	1166	02	.2	4222811	4047423	4224192	4047391	47									
8	SEPULVEDA	CARSON	1021	03	20	4212057	4042696	4216919	4042584	48									
9	SEPULVEDA	CARSON	1021	04	20	4216923	4042580	4221116	4041138	49									
10	SIGNAL	SGNL HILL	1232	01	21	4239320	4041194	4239316	4042558	50									
11	BURNETT	SGNL HILL	1177	02	21	4232093	4039867	4237406	4039898	51									
12	E WARDLOW	LAKEWOOD	1165	02	29	4244469	4046493	4246049	4046497	52									
13	LOCUST	LNG BEACH	1246	01	.2	4230217	4032847	4230269	4027209	53									
14										54									
15										55									
16										56									
17										57									
18										58									
19										59									
20										60									
21										61									
22										62									
23										63									
24										64									
25										65									
26										66									
27										67									
28										68									
29										69									
30										70									
31										71									
32										72									
33										73									
34										74									
35										75									
36										76									
37																			

PAGE '4

TIME OF ENTRY - 12:00:00 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20053 LOWER RIGHT = 20098 LOWER LEFT = 749 UPPER LEFT = 746
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21997 LOWER RIGHT = 8 LOWER LEFT = 12 UPPER LEFT = 21975

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY			
1	0.4W	HFRD	L	ANGELES	2339	01	01	4213492	4023008	4213098	4024044	41	0.2S	CRSN	CARSON	2407	01	0	4214545	4050.81	4215440	4049952
2	0.2W	HFRD	L	ANGELES	2340	01	01	4214952	4023532	4214531	4024490	42	0.5W	WLMT	CARSON	2408	01	0	4212743	4051476	4212733	4050635
3	0.3E	HFRD	L	ANGELES	2341	01	01	4217123	4024325	4216738	4025339	43	0.2W	WLMT	CARSON	2409	01	0	4214057	4051549	4214063	4050593
4	0.5E	HFRD	L	ANGELES	2342	01	01	4218303	4024841	4217902	4025789	44	0.3E	WLMT	CARSON	2410	01	0	4216792	4051551	4216814	4050507
5	0.7E	HFRD	L	ANGELES	2343	01	01	4219280	4025273	4218861	4026263	45	0.6E	WLMT	CARSON	2411	01	0	4218291	4051649	4218305	4050637
6	0.9E	HFRD	L	ANGELES	2344	01	01	4220432	4025849	4220010	4026837	46	0.4S	DMGZ	CARSON	2406	01	0	4215273	4052.67	4216146	4051902
7	1.2E	HFRD	L	ANGELES	2345	01	01	4221605	4026307	4221160	4027237	47	0.1S	DMGZ	CARSON	2405	01	0	4215508	4053302	4216493	4053016
8	1.4E	HFRD	L	ANGELES	2346	01	01	4222550	4026727	4222197	4027913	48	0.2W	WLMT	CARSON	2421	01	0	4214998	4054227	4215010	4053476
9	1.7E	HFRD	L	ANGELES	2347	01	01	4223684	4026883	4223646	4027958	49	0.3E	WLMT	CARSON	2422	01	0	4217599	4054402	4217599	4053378
10	1.4S	ANHM	L	ANGELES	2373	01	01	4214854	4025428	4216108	4025546	50	0.5E	WLMT	CARSON	2423	01	0	4218985	4054400	4219001	4053478
11	1.1S	ANHM	L	ANGELES	2372	01	01	4214810	4026691	4216098	4026761	51	0.2W	LGBH	CARSON	2433	01	0	4216038	4055004	4217035	4054723
12	0.8S	ANHM	L	ANGELES	2371	01	01	4214657	4026860	4215759	4028743	52	0.5W	LGBH	CARSON	2434	01	0	4216311	4055084	4217187	4055635
13	0.5S	ANHM	L	ANGELES	2370	01	01	4214453	4029913	4215568	4029992	53	0.3S	DLMO	CARSON	2420	01	0	4220331	4055277	4221274	4054982
14	0.2S	ANHM	L	ANGELES	2369	01	01	4214437	4031391	4215241	4031473	54	0.5N	DMGZ	CARSON	2428	01	0	4216826	4056693	4217928	4056665
15	0.2E	HFRD	L	ANGELES	2351	01	01	4215897	4033339	4215971	4032283	55	1.1S	VICT	CARSON	2402	01	0	4216531	4058347	4217550	4058374
16	0.4E	HFRD	L	ANGELES	2352	01	01	4217075	4033361	4217147	4032325	56	0.9S	VICT	CARSON	2401	01	0	4216465	4059590	4217462	4059619
17	0.7E	HFRD	L	ANGELES	2353	01	01	4218273	4033507	4218381	4032722	57	0.7S	VICT	CARSON	2400	01	0	4216341	4060817	4217422	4060847
18	0.2E	ALMD	L	ANGELES	2354	01	01	4216250	4037166	4216373	4035979	58	0.5S	VICT	CARSON	2399	01	0	4216172	4061946	4217272	4061992
19	0.5E	ALMD	L	ANGELES	2355	01	01	4217462	4037142	4217591	4036078	59	0.2S	VICT	CARSON	2398	01	0	4216088	4063283	4217211	4063359
20	0.8E	ALMD	L	ANGELES	2356	01	01	4219268	4036831	4218863	4035544	60	0.2N	VICT	CARSON	2397	01	0	4216140	4065560	4217005	4065602
21	1.0S	SPVD	L	ANGELES	2377	01	01	4214846	4037638	4215771	4037252	61	0.6W	WLMT	CARSON	2440	01	0	4213510	4066084	4213478	4066829
22	0.8S	SPVD	L	ANGELES	2376	01	01	4215193	4038887	4216172	4038569	62	0.3W	WLMT	CARSON	2441	01	0	4215137	4066.28	4215097	4066925
23	0.5S	SPVD	CARSON		2375	01	20	4215835	4040176	4216569	4039943	63	0.5W	WLMT	CARSON	2436	01	0	4213797	4063664	4213787	4064843
24	0.2S	SPVD	CARSON		2374	01	20	4216154	4041579	4217049	4041292	64	0.2W	WLMT	CARSON	2437	01	0	4215374	4063849	4215348	4064827
25	0.2E	ALMD	CARSON		2357	01	20	4218052	4042676	4217763	4041680	65	0.2W	RDND	LNG BEACH	2382	01	2	4241219	4040891	4241181	4041708
26	0.4E	ALMD	CARSON		2358	01	20	4219137	4042561	4218808	4041318	66	0.3E	RDND	LNG BEACH	2383	01	2	4243508	4040618	4243823	4041579
27	0.6E	ALMD	CARSON		2359	01	20	4220201	4042091	4220002	4040937	67	0.3E	RDND	LNG BEACH	2384	01	2	4243618	4041764	4243871	4042740
28	0.7W	ALMD	CARSON		2360	01	20	4213349	4043254	4213436	4042127	68	0.2W	RDND	LNG BEACH	2385	01	2	4240976	4042248	4241590	4043031
29	0.5W	ALMD	CARSON		2361	01	20	4214537	4043250	4214565	4042045	69	0.2W	RDND	LNG BEACH	2386	01	2	4241171	4043256	4241181	4043975
30	0.2W	ALMD	CARSON		2362	01	20	4215634	4043212	4215677	4042087	70	0.3E	RDND	LNG BEACH	2387	01	2	4243757	4043809	4243771	4043955
31	0.2S	SDGO	CARSON		2378	01	20	4218028	4047981	4219061	4047615	71	0.2W	LKWD	LNG BEACH	2388	01	2	4245350	4043830	4244626	4044768
32	0.5S	SDGO	CARSON		2379	01	20	4217562	4046593	4218658	4046169	72	0.2S	CRSN	LNG BEACH	2389	01	2	4244525	4050237	4245460	4050237
33	0.7S	SDGO	CARSON		2380	01	20	4217071	4045394	4218247	4044953	73	0.3S	CNNT	LNG BEACH	2390	01	2	4245077	4047324	4246180	4047916
34	1.0S	SDGO	CARSON		2381	01	20	4216941	4043981	4217938	4043607	74	0.2S	EWDR	LNG BEACH	2391	01	2	4245605	4045527	4246640	4045473
35	0.7S	SDGO	CARSON		2366	01	20	4212294	4045922	4212998	4045398	75										
36	0.5S	SDGO	CARSON		2367	01	20	4213115	4047017	4213807	4046527	76										
37	0.2S	SDGO	CARSON		2368	01	20	4213706	4048203	4214561	4047565	77										
38	0.2W	WLM	CARSON		2363	01	20	4213367	4049428	4213391	4048394	78										
39	0.3E	WLM	CARSON		2364	01	20	4216158	4049537	4216172	4048398	79										
40	0.6E	WLM	CARSON		2365	01	20	4217763	4049583	4217787	4048420	80										

TIME OF ENTRY - 14:00:04 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 14:00:04 DATE OF LAST UPDATE - 07-MAY-77 OPERATOR NAME - JAMES J. S.
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20053 LOWER RIGHT = 20098 LOWER LEFT = 749 UPPER LEFT = 746
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21997 LOWER RIGHT = 8 LOWER LEFT = 12 UPPER LEFT = 21975

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.3E CHR	LAKEWOOD	2444	01	29	4238320	4062693	4238338	4061984	41									
2	0.3E CHR	LAKEWOOD	2445	01	29	4238346	4061980	4238338	4061225	42									
3	0.3S DLMO	LAKEWOOD	2393	01	29	4238173	4055253	4239052	4055231	43									
4	0.2S GRN	LAKEWOOD	2394	01	29	4238268	4052976	4239100	4052984	44									
5	0.3S DLMO	LAKEWOOD	2395	01	29	4236827	4054966	4237782	4054956	45									
6	0.2E OBSP	LAKEWOOD	2392	01	29	4241805	4052115	4241827	4051017	46									
7	0.2N MTVU	LNG BEACH	2446	01	12	4228065	4059480	4228816	4059462	47									
8	0.2S MRK	LNG BEACH	2396	01	12	4231731	4058578	4232635	4058607	48									
9	1.0N DLMO	LNG BEACH	2432	01	12	4226633	4061673	4227528	4061134	49									
10	0.7N DLMO	LNG BEACH	2431	01	12	4225961	4060488	4226974	4060030	50									
11	0.5N DLMO	LNG BEACH	2430	01	12	4225499	4059171	4226625	4059022	51									
12	0.2N DLMO	LNG BEACH	2429	01	12	4225349	4057940	4226404	4057926	52									
13	0.3N DMGZ	LNG BEACH	2425	01	12	4225046	4055366	4226089	4055065	53									
14	0.2N CRSN	LNG BEACH	2424	01	12	4224384	4052529	4225419	4052302	54									
15	0.2E SNTF	LNG BEACH	2412	01	12	4223543	4050685	4223583	4051786	55									
16	0.2N DMGZ	LNG BEACH	2426	01	12	4223050	4055277	4223983	4054990	56									
17	0.3E WLM	LA COUNTY	2442	01	02	4217741	4067000	4217803	4066006	57									
18	0.5E WLM	LA COUNTY	2443	01	02	4219294	4066990	4219334	4066052	58									
19	0.3E WLM	LA COUNTY	2438	01	02	4217964	4064974	4218010	4063950	59									
20	0.5E WLM	LA COUNTY	2439	01	02	4219456	4065018	4219509	4064060	60									
21	1.7N DLMO	LA COUNTY	2419	01	02	4222061	4065345	4222703	4065429	61									
22	1.5N DLMO	LA COUNTY	2418	01	02	4222229	4064144	4223142	4064243	62									
23	1.2N DLMO	LA COUNTY	2417	01	02	4222002	4063072	4222917	4062952	63									
24	1.0N DLMO	LA COUNTY	2416	01	02	4221830	4062028	4222869	4061857	64									
25	0.6N DLMO	LA COUNTY	2415	01	02	4221382	4059954	4222460	4059733	65									
26	0.5N DLMO	LA COUNTY	2414	01	02	4221276	4058817	4222185	4058540	66									
27	0.2N DLMO	LA COUNTY	2413	01	02	4220863	4057783	4222045	4057414	67									
28	0.3E ALMD	LA COUNTY	2427	01	02</														

TIME OF ENTRY - 11:25:00 DATE OF LAST UPDATE 18-MAY-77 OPERATOR NAME - HAYS

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TIME OF ENTRY - 11:25:00    DATE OF LAST UPDATE - 18-MAY-77    OPERATOR NAME - AHS
MAP X-COORDINATE DATA - UPPER RIGHT = 4300000 LOWER RIGHT = 4300000 LOWER LEFT = 4287000 UPPER LEFT = 4287000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4070000 LOWER RIGHT = 4060000 LOWER LEFT = 4060000 UPPER LEFT = 4070000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 7945 LOWER RIGHT = 8026 LOWER LEFT = 1483 UPPER LEFT = 1466
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 19136 LOWER RIGHT = 13015 LOWER LEFT = 13216 UPPER LEFT = 19081

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ARTESIA	BUENA	PRK	1275	01	31	4287860	4065493	4295174	4065560	41								
2	4TH	BUENA	PRK	1276	01	31	4288603	4064919	4292623	4064960	42								
3	COMMUNWLTN	BUENA	PRK	1277	01	31	4287860	4064370	4293531	4064429	43								
4	7TH	BUENA	PRK	1278	01	31	4288639	4063977	4291287	4064003	44								
5	WHITAKER	BUENA	PRK	1279	01	31	4288663	4063326	4293483	4063304	45								
6	HANDEL	BUENA	PRK	1280	01	31	4291611	4064006	4292670	4064020	46								
7	CALIFORNIA	BUENA	PRK	1281	01	31	4290735	4062963	4291271	4062677	47								
8	CALIFORNIA	BUENA	PRK	1281	02	31	4291283	4062666	4292303	4062659	48								
9	10TH	BUENA	PRK	1282	01	31	4287770	4062421	4288673	4062421	49								
10	10TH	BUENA	PRK	1282	02	31	4291114	4062029	4291778	4062107	50								
11	COURT	BUENA	PRK	1283	01	31	4288689	4062310	4290028	4062349	51								
12	MONTANA	BUENA	PRK	1284	01	31	4291800	4061918	4292638	4061919	52								
13	MELROSE	BUENA	PRK	1285	01	31	4287858	4061722	4289519	4061713	53								
14	ORNGETHRP	BUENA	PRK	1286	01	31	4287876	4061009	4295289	4061118	54								
15	PAGE	BUENA	PRK	1287	01	31	4290030	4060259	4292336	4060284	55								
16	ARTESIA	BUENA	PRK	1288	01	31	4287866	4060204	4292295	4060220	56								
17	ARTESIA	BUENA	PRK	1288	02	31	4292309	4060235	4294059	4060750	57								
18	ARTESIA	BUENA	PRK	1288	03	31	4294747	4060746	4295279	4060745	58								
19	0.2E DALE	BUENA	PRK	2481	01	31	4293713	4065901	4293753	4065200	59								
20	0.3N ORTH	BUENA	PRK	2482	01	31	4291407	4062070	4290910	4061517	60								
21	0.5E BEAC	BUENA	PRK	2483	01	31	4291174	4060561	4291192	4060064	61								
22	ACADEMY	BUENA	PRK	1289	01	31	4293958	4061662	4295253	4061664	62								
23	BEACH	BUENA	PRK	1290	01	31	4288563	4065957	4288714	4060151	63								
24	STANTON	BUENA	PRK	1291	01	31	4289936	4065955	4289996	4060257	64								
25	INDIANA	BUENA	PRK	1292	01	31	4291254	4065521	4291305	4062651	65								
26	DALE	BUENA	PRK	1293	01	31	4292599	4065546	4292672	4061208	66								
27	ROLAND	BUENA	PRK	1294	01	31	4293187	4063312	4293187	4063919	67								
28	ROLAND	BUENA	PRK	1294	02	31	4293191												

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28-MAY

09-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP X-COORDINATE DATA - UPPER RIGHT = 4258000 LOWER RIGHT = 4258000 LOWER LEFT = 4258000 UPPER LEFT = 4258000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4120000 LOWER LEFT = 4120000 UPPER LEFT = 4153000

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MAP Y-COORDINATE DATA -- UPPER RIGHT = 4155000 LOWER RIGHT = 4128000 LOWER LEFT = 4112000 UPPER LEFT = 4145000
CURSOR X-COORDINATE DATA -- UPPER RIGHT = 20668 LOWER RIGHT = 20296 LOWER LEFT = 797 UPPER LEFT = 813
CURSOR Y-COORDINATE DATA -- UPPER RIGHT = 21235 LOWER RIGHT = 799 LOWER LEFT = 828 UPPER LEFT = 21283

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CURSOR X COORDINATE DATA = 0 UPPER RIGHT = 21235 LOWER RIGHT = 799 LOWER LEFT = 828 UPPER LEFT = 21283

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ELYSIAN	L ANGELES	1715	01	01	4211970	4138728	4214532	4138849	41	MISSION	L ANGELES	1738	04	1	4227181	4137405	4229303	4140675
2	ELYSIAN	L ANGELES	1715	02	01	4213966	4138782	4215508	4137979	42	BAUCHET	L ANGELES	1736	01	1	4217694	4133653	4218862	4134742
3	ELYSIAN	L ANGELES	1715	03	01	4215506	4137979	4216368	4139169	43	VIGNES	L ANGELES	1745	01	1	4217448	4134166	4217766	4133551
4	LILAC	L ANGELES	1718	01	01	4213460	4138287	4213858	4138317	44	VIGNES	L ANGELES	1746	02	1	4217766	4133553	4217686	4132942
5	LILAC	L ANGELES	1718	02	01	4213856	4138315	4215040	4137658	45	ALHAMBRA	L ANGELES	0175	02	1	4217140	4135359	4217506	4134958
6	LOOKOUT	L ANGELES	1717	01	01	4215012	4137670	4215260	4137277	46	ALHAMBRA	L ANGELES	0175	03	1	4217506	4134958	4222554	4135431
7	LOOKOUT	L ANGELES	1717	02	01	4215262	4137279	4215802	4137255	47	ALHAMBRA	L ANGELES	0175	04	1	4222746	4135555	4223498	4135788
8	STADIUM	L ANGELES	1716	01	01	4215798	4137255	4216578	4138839	48	BLOOM	L ANGELES	1745	01	1	4218842	4135070	4218108	4136153
9	STADIUM	L ANGELES	1716	02	01	4216568	4138849	4216266	4139298	49	GIBBONS	L ANGELES	1741	01	1	4219416	4132272	4219558	4132771
10	STADIUM	L ANGELES	1716	03	01	4213054	4138726	4215100	4136698	50	GIBBONS	L ANGELES	1741	02	1	4219572	4132781	4219414	4134545
11	STADIUM	L ANGELES	1716	04	01	4217322	4137431	4216632	4138359	51	GIBBONS	L ANGELES	1741	03	1	4219422	4134541	4220134	4136960
12	MARVIEW	L ANGELES	1719	01	01	4212290	4136664	4213226	4138183	52	LAMAR	L ANGELES	1743	01	1	4220070	4135160	4220598	4136800
13	FIGUEROA	L ANGELES	1720	01	01	4212966	4137846	4214230	4136956	53	MOULTON	L ANGELES	1742	01	1	4221234	4135311	4221644	4136433
14	FIGUEROA	L ANGELES	1720	02	01	4214228	4136970	4213768	4136012	54	MAIN	L ANGELES	0143	18	1	4215936	4133581	4217386	4135694
15	PASADENA	L ANGELES	1724	01	01	4211922	4134557	4212974	4135674	55	MAIN	L ANGELES	0143	19	1	4217386	4135688	4219744	4137069
16	PASADENA	L ANGELES	1724	02	01	4212978	4135686	4214356	4136179	56	MAIN	L ANGELES	0143	20	1	4219744	4137071	4221554	4136443
17	PASADENA	L ANGELES	1724	03	01	4214360	4136179	4216232	4137367	57	MAIN	L ANGELES	0143	21	1	4221556	4136447	4225442	4136383
18	PASADENA	L ANGELES	1724	04	01	4216230	4137363	4216878	4138947	58	SPRING	L ANGELES	1726	01	1	4215664	4133607	4216502	4135724
19	PASADENA	L ANGELES	1724	05	01	4216880	4138945	4220136	4142210	59	SPRING	L ANGELES	1726	02	1	4216508	4135722	4218564	4137401
20	PASADENA	L ANGELES	1724	06	01	4220144	4142226	4222028	4143469	60	SPRING	L ANGELES	1726	03	1	4218564	4137401	4222020	4139187
21	PASADENA	L ANGELES	1724	07	01	4222038	4143497	4224004	4143930	61	BROADWAY	L ANGELES	0144	13	1	4214506	4133112	4215240	4133721
22	PASADENA	L ANGELES	1724	14	01	4223958	4143898	4225252	4145255	62	BROADWAY	L ANGELES	0144	14	1	4215240	4133713	4216578	4136848
23	PASADENA	L ANGELES	1724	08	01	4225248	4145255	4225386	4146435	63	BROADWAY	L ANGELES	0144	15	1	4216578	4136850	4218388	4138287
24	PASADENA	L ANGELES	1724	09	01	4225364	4146407	4226505	4148552	64	BROADWAY	L ANGELES	0144	16	1	4218388	4138287	4220064	4138584
25	PASADENA	L ANGELES	1724	10	01	4225505	4148556	4227349	4149428	65	BROADWAY	L ANGELES	0144	17	1	4220066	4138584	4220666	4138478
26	PASADENA	L ANGELES	1724	11	01	4227351	4149430	4228455	4149839	66	BROADWAY	L ANGELES	0144	18	1	4220642	4138474	4222048	4139171
27	PASADENA	L ANGELES	1724	12	01	4228455	4149839	4229929	4149678	67	BROADWAY	L ANGELES	0144	19	1	4222048	4139165	4228369	4139263
28	PASADENA	L ANGELES	1724	13	01	4229705	4149692	4231983	4151793	68	SOLANO	L ANGELES	1733	01	1	4216314	4138163	4217800	4139865
29	COLLEGE	L ANGELES	1721	01	01	4213498	4136778	4217088	4135243	69	SOTTELLO	L ANGELES	1727	01	1	4218488	4136361	4218046	4137003
30	ALPINE	L ANGELES	1722	01	01	4213598	4135760	4214792	4135539	70	MESNAGER	L ANGELES	1728	01	1	4219686	4136994	4219134	4137706
31	ALPINE	L ANGELES	1722	02	01	4214794	4135541	4216394	4134826	71	ALBION	L ANGELES	1729	01	1	4220128	4136926	4220618	4137594
32	ORD	L ANGELES	1723	01	01	4214724	4134726	4216246	4134036	72	ALBION	L ANGELES	1729	02	1	4220610	4137596	4221648	4138129
33	SUNSET	L ANGELES	1693	10	01	4211972	4138764	4212410	4136253	73	AVE 17	L ANGELES	1730	01	1	4220984	4136612	4220548	4137778
34	SUNSET	L ANGELES	1693	11	01	4212410	4136261	4213384	4135054	74	DARWIN	L ANGELES	1731	01	1	4220850	4136952	4222330	4136928
35	SUNSET	L ANGELES	1693	12	01	4213390	4135058	4215362	4133645	75	AVE 20	L ANGELES	1732	01	1	4220996	4139410	4221888	4137704
36	SUNSET	L ANGELES	1693	13	01	4215364	4133641	4216138	4133631	76	AVE 20	L ANGELES	1732	02	1	4221886	4137706	4221880	4136387
37	MACY	L ANGELES	1737	01	01	4216120	4133549	4220290	4131817	77	SN FERNAN	L ANGELES	1739	01	1	4221012	4139346	4219698	4141855
38	MISSION	L ANGELES	1738	01	01	4219584	4132204	4221594	4133152	78									
39	MISSION	L ANGELES	1738	02	01	4221590	4133154	4225434	4136367	79									
40	MISSION	L ANGELES	1738	03	01	4225428	4136359	4227181	4137407	80									

TIME OF ENTRY - 22:30:03 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21235 LOWER RIGHT = 799 LOWER LEFT = 828 UPPER LEFT = 21203

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HUMBOLDT	L ANGELES	1753	01	01	4219808	4139749	4222272	4141777	41	EASTLAKE	L ANGELES	1756	03	1	4224954	4136018	4225346	4135812
2	HUMBOLDT	L ANGELES	1753	02	01	4222272	4141777	4222618	4142755	42	EASTLAKE	L ANGELES	1756	04	1	4225346	4135808	4226155	4134732
3	PASADENA	L ANGELES	1735	01	01	4220080	4138548	4220354	4139011	43	EASTLAKE	L ANGELES	1756	05	1	4226155	4134705	4226979	4134679
4	PASADENA	L ANGELES	1735	02	01	4220356	4139011	4222666	4140254	44	EASTLAKE	L ANGELES	1756	06	1	4226977	4134677	4227311	4134327
5	PASADENA	L ANGELES	1735	03	01	4222648	4140218	4223462	4143757	45	MANITOU	L ANGELES	1754	01	1	4221856	4138502	4222694	4138516
6	PARK ROW	L ANGELES	1734	01	01	4218028	4140121	4218536	4139406	46	MANITOU	L ANGELES	1754	02	1	4225791	4138570	4226619	4138590
7	PARK ROW	L ANGELES	1734	02	01	4218530	4139400	4218626	4138692	47	BALDWIN	L ANGELES	1757	01	1	4223050	4137915	4225859	4137937
8	PARK ROW	L ANGELES	1734	03	01	4218626	4138694	4219092	4138738	48	BALDWIN	L ANGELES	1757	02	1	4226601	4137999	4227721	4138047
9	PARK ROW	L ANGELES	1734	04	01	4219094	4138734	4219420	4139179	49	MARENGO	L ANGELES	1747	01	1	4222682	4136419	4222862	4134535
10	PARK ROW	L ANGELES	1734	05	01	4219420	4139175	4219100	4139903	50	MARENGO	L ANGELES	1747	02	1	4222862	4134533	4223472	4133902
11	PARK ROW	L ANGELES	1734	06	01	4218574	4139356	4218298	4138995	51	MARENGO	L ANGELES	1747	03	1	4223472	4133900	4226733	4132220
12	0.3N MAC	L ANGELES	3113	01	01	4220022	4136551	4218918	4133677	52	CUMMINGS	L ANGELES	1772	01	1	4224754	4132228	4225867	4134122
13	0.3S GLS	L ANGELES	3114	01	01	4221202	4136627	4221860	4132817	53	CHICAGO	L ANGELES	1773	01	1	4225665	4132244	4226443	4133874
14	GOLDEN	L ANGELES	1725	01	01	4223130	4132406	4222218	4137544	54	ZONAL	L ANGELES	1771	01	1	4226393	4133795	4223884	4135138
15	GOLDEN	L ANGELES	1725	02	01	4222210	4137546	4221448	4139025	55	BIGGY	L ANGELES	1770	01	1	4225186	4134431	4225841	4135090
16	GOLDEN	L ANGELES	1725	03	01	4221462	4138999	4221422	4140919	56	SOO	L ANGELES	0086	05	1	4229299	4140695	4226619	4136525
17	GOLDEN	L ANGELES	1725	04	01	4221422	4140917	4220108	4142196	57	SOO	L ANGELES	0086	06	1	4228621	4136523	4226215	4131701
18	AVE 23	L ANGELES	1752	01	01	4222080	4139839	4221412	4140987	58	VALLEY BD	L ANGELES	0237	04	1	4225428	4136329	4226363	4136307
19	LACY	L ANGELES	1751	01	01	4221208	4142134	4222102	4142932	59	VALLEY BD	L ANGELES	0237	05	1	4226363	4136309	4232017	4135084
20	AVE 26	L ANGELES	1748	01	01	4223842	4140212	4222632	4140218	60	VALLEY BD	L ANGELES	0237	06	1	4232019	4135086	4232935	4135465
21	AVE 26	L ANGELES	1748	02	01	4222632	4140214	4220810	4142685	61	VALLEY BD	L ANGELES	0237	07	1	4232937	4135463	4233359	4136355
22	AVE 28	L ANGELES	1749	01	01	4222160	4141430	4222856	4141212	62	VALLEY BD	L ANGELES	0237	08	1	4233357	4136351	4234457	4137544
23	AVE 28	L ANGELES	1749	02	01	4222852	4141212	4224284	4141164	63	VALLEY BD	L ANGELES	0237	09	1	4234461	4137516	4234839	4137580
24	AVE 28	L ANGELES	1749	03	01	4224286	4141156	4225757	4142687	64	VALLEY BD	L ANGELES	0237	10	1	4234837	4137576	4236347	4139151
25	AVE 33	L ANGELES	1750	01	01	4225022	4143401	4224014	4142595	65	VALLEY BD	L ANGELES	0237	11	1	4236349	4139145	4237157	4139592
26	AVE 33	L ANGELES	1750	02	01	4222088	4142903	4223194	4142575	66	VALLEY BD	L ANGELES	0237	12	1	4237157	4139592	4238397	4139173
27	AVE 33	L ANGELES	1750	03	01	4223194	4142573	4224016	4142601	67	VALLEY BD	L ANGELES	0237	13	1	4238397	4139175	4240069	4140208
28	GRIFFIN	L ANGELES	1755	01	01	4223890	4135116	4223812	4143409	68	VALLEY BD	ALHAMBRA	0237	14	9	4240067	4140206	4241979	4140348
29	GRIFFIN	L ANGELES	1755	02	01	4223776	4143395	4225226	4144357	69	SELIG	L ANGELES	1767	01	1	4227149	4137345	4227897	4137121
30	GRIFFIN	L ANGELES	1755	03	01	4225228	4144357	4226821	4146992	70	SELIG	L ANGELES	1767	02	1	4227893	4137123	4228251	4137371
31	GRIFFIN	L ANGELES	1755	04	01	4226815	4146986	4226807	4148534	71	THOMAS	L ANGELES	1758	01	1	4225829	4136598	4225797	4139851
32	GRIFFIN	L ANGELES	1755	05	01	4226803	4148532	4227469	4149213	72	THOMAS	L ANGELES	1758	02	1	4225809	4139873	4225568	4140206
33	GRIFFIN	L ANGELES	1755	06	01	4227473	4149213	4228763	4148847	73	THOMAS	L ANGELES	1758	03	1	4225568	4140202	4225731	4140699
34	JOHNSTON	L ANGELES	1760	01	01	4224228	4139223	4224290	4141208	74	THOMAS	L ANGELES	1758	04	1	4225727	4140699	4225240	4141310
35	JOHNSTON	L ANGELES	1760	02	01	4224290	4141204	4224554	4140799	75	LINCOLN	L ANGELES	1759	01	1	4226633	4137025	4226571	4141643
36	PREWITT	L ANGELES	1761	01	01	4224218	4140582	4224596	4140622	76									
37	PREWITT	L ANGELES	1761	02	01	4224594	4140620	4224968	4140955	77									
38	PREWITT	L ANGELES	1761	03	01	4224980	4140953	4225556	4140909	78									
39	EASTLAKE	L ANGELES	1756	01	01	4225102	4136076	4225026	4140280	79									
40	EASTLAKE	L ANGELES	1756	02	01	4225042	4140270	4225248	4140494	80									

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TIME OF ENTRY - 17:00:00 DATE OF LAST UPDATE 11-MAY-77 OPERATOR NAME - HAYS/PHELPS

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	FLORA	L ANGELES	1762	01	01	4226406	4141675	4227180	4141705	41	HUNTINGTN	L ANGELES	1789	08	1	4240681	4147612	4240937	4148314
2	SIERRA	L ANGELES	1763	01	01	4226832	4141659	4227232	4142657	42	MONTEREY	L ANGELES	1787	01	1	4231041	4143565	4230945	4144636
3	SIERRA	L ANGELES	1763	02	01	4227220	4142653	4227362	4143702	43	MONTEREY	L ANGELES	1787	02	1	4230951	4144642	4230669	4144754
4	MERCURY	L ANGELES	1765	01	01	4227298	4143090	4229520	4143607	44	MONTEREY	L ANGELES	1787	03	1	4230671	4144754	4230921	4145492
5	MERCURY	L ANGELES	1765	02	01	4229524	4143611	4231071	4143609	45	MONTEREY	L ANGELES	1787	04	1	4230925	4145494	4230315	4146363
6	ROBERTA	L ANGELES	1764	01	01	4227629	4143808	4228399	4144167	46	MONTEREY	L ANGELES	1787	05	1	4230319	4146363	4230291	4147865
7	ROBERTA	L ANGELES	1764	02	01	4228263	4144203	4228649	4144044	47	MONTEREY	L ANGELES	1787	06	1	4230293	4147869	4232108	4150823
8	MONTECITO	L ANGELES	1783	01	01	4228167	4144070	4226992	4144560	48	MONTEREY	L ANGELES	1787	07	1	4232108	4150821	4231540	4151500
9	MONTECITO	L ANGELES	1783	02	01	4226986	4144564	4226446	4143680	49	HERMON	L ANGELES	1786	01	1	4230199	4150866	4231906	4150400
10	MONTECITO	L ANGELES	1783	03	01	4226442	4143684	4226480	4144692	50	KENDALL	L ANGELES	1788	01	1	4230627	4149572	4232016	4148999
11	MONTECITO	L ANGELES	1783	04	01	4226478	4144696	4227564	4144782	51	SINOVALL	L ANGELES	1785	01	1	4229950	4145680	4230807	4145696
12	MONTECITO	L ANGELES	1783	05	01	4227542	4144808	4227206	4145155	52	0.2N BRDW	L ANGELES	3161	01	1	4226199	4140505	4227310	4140551
13	MONTECITO	L ANGELES	1783	06	01	4227214	4145159	4227605	4145431	53	0.3E AV26	L ANGELES	3149	01	1	4221736	4143742	4222244	4143038
14	MONTECITO	L ANGELES	1783	07	01	4227613	4145435	4227891	4145866	54	0.2E DALY	L ANGELES	3150	01	1	4224002	4144708	4224582	4144177
15	MONTECITO	L ANGELES	1783	10	01	4227843	4145936	4226940	4145818	55	0.4E DALY	L ANGELES	3151	01	1	4224886	4145566	4225375	4145016
16	MONTECITO	L ANGELES	1783	11	01	4226948	4145818	4226820	4147021	56	0.7W DALY	L ANGELES	3171	01	1	4225103	4146772	4225721	4146345
17	MONTECITO	L ANGELES	1783	12	01	4228049	4144760	4228363	4144932	57	0.9E DALY	L ANGELES	3152	01	1	4225547	4147999	4226290	4147203
18	MONTECITO	L ANGELES	1783	13	01	4228363	4144934	4228369	4145586	58	1.1E DALY	L ANGELES	3153	01	1	4227020	4148306	4226215	4149113
19	MONTECITO	L ANGELES	1783	14	01	4228303	4144153	4228067	4144786	59	0.2N GRFF	L ANGELES	3154	01	1	4226468	4148103	4227340	4148093
20	REYNOLDS	L ANGELES	1782	01	01	4228591	4143391	4228639	4144080	60	0.4N GRFF	L ANGELES	3155	01	1	4227723	4148658	4228101	4149356
21	BOUNDARY	L ANGELES	1784	01	01	4229514	4143579	4229518	4145355	61	1.5E DALY	L ANGELES	3156	01	1	4228289	4149412	4228217	4150300
22	RAYNOL	L ANGELES	1781	01	01	4229334	4142615	4228916	4142966	62	0.2W HRMN	L ANGELES	3157	01	1	4229524	4149083	4229504	4150109
23	RAYNOL	L ANGELES	1781	02	01	4228904	4142974	4227883	4142856	63	0.3N HRMN	L ANGELES	3158	01	1	4231329	4151800	4232030	4151797
24	AMETHYST	L ANGELES	1766	01	01	4227713	4140148	4227605	4141074	64	0.6S HRMN	L ANGELES	3159	01	1	4229922	4148376	4230905	4147750
25	AMETHYST	L ANGELES	1766	02	01	4227595	4141074	4228653	4142792	65	0.8S HRMN	L ANGELES	3160	01	1	4229830	4146602	4230883	4146638
26	AMETHYST	L ANGELES	1766	03	01	4228655	4142786	4229866	4143343	66	0.3N DRUD	L ANGELES	3162	01	1	4228623	4139248	4229588	4139112
27	AMETHYST	L ANGELES	1766	04	01	4229828	4143361	4230046	4143640	67	HUNTINGTN	L ANGELES	1790	01	1	4229256	4140693	4231474	4143371
28	GALENA	L ANGELES	1780	01	01	4228938	4142515	4229294	4142665	68	HUNTINGTN	L ANGELES	1790	02	1	4231476	4143379	4232730	4143535
29	ESMERALDO	L ANGELES	1779	01	01	4228960	4142517	4229730	4142044	69	EDLOFT	L ANGELES	1791	01	1	4231413	4143381	4232178	4142774
30	AMETHYST	L ANGELES	1778	01	01	4227815	4141176	4228413	4141018	70	EDLOFT	L ANGELES	1791	02	1	4232158	4142804	4232146	4142243
31	FOREST PK	L ANGELES	1777	01	01	4228409	4141020	4228487	4141665	71	BOUMAN	L ANGELES	1792	01	1	4230875	4139968	4230853	4140966
32	RADIUM	L ANGELES	1776	01	01	4228457	4141671	4229336	4141102	72	BOUMAN	L ANGELES	1792	02	1	4230857	4140980	4231582	4142138
33	COMMODORE	L ANGELES	1775	01	01	4228091	4141004	4228769	4139940	73	BOUMAN	L ANGELES	1792	03	1	4231566	4142130	4232132	4142218
34	HUNTINGTN	L ANGELES	1789	01	01	4229282	4140695	4229378	4141581	74									
35	HUNTINGTN	L ANGELES	1789	02	01	4229364	4141581	4230853	4143441	75									
36	HUNTINGTN	L ANGELES	1789	03	01	4230851	4143441	4231678	4143796	76									
37	HUNTINGTN	L ANGELES	1789	04	01	4231676	4143796	4233475	4143565	77									
38	HUNTINGTN	L ANGELES	1789	05	01	4233469	4143565	4236227	4144906	78									
39	HUNTINGTN	L ANGELES	1789	06	01	4236227	4144906	4237804	4145183	79									
40	HUNTINGTN	L ANGELES	1789	07	01	4237790	4145181	4240679	4147612	80									

PAGE 5

TIME OF ENTRY - 17:30:00 DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275
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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	KEWANEE	L ANGELES	1794	01	01	4230217	4140722	4231017	4142298	41	EASTERN	L ANGELES	0057	16	1	4233349	4139902	4233989	4140676
2	JASPER	L ANGELES	1795	01	01	4231137	4141425	4230943	4142867	42	EASTERN	L ANGELES	0057	17	1	4233989	4140710	4233981	4143707
3	TEMPLETON	L ANGELES	1793	01	01	4232396	4142037	4233155	4142221	43	FITHIAN	L ANGELES	1816	01	1	4233639	4140259	4233279	4140958
4	TEMPLETON	L ANGELES	1793	02	01	4233155	4142221	4234894	4142283	44	LOMBARDY	L ANGELES	1811	01	1	4233961	4140666	4234422	4140226
5	TEMPLETON	L ANGELES	1793	03	01	4234894	4142261	4235949	4142686	45	LOMBARDY	L ANGELES	1811	02	1	4234172	4140241	4235124	4140236
6	TEMPLETON	L ANGELES	1793	04	01	4235947	4142690	4236343	4143224	46	LOMBARDY	L ANGELES	1811	03	1	4235118	4140236	4235383	4139551
7	TEMPLETON	L ANGELES	1793	05	01	4236343	4143226	4236740	4143282	47	LOMBARDY	L ANGELES	1811	04	1	4235383	4139555	4235703	4139134
8	MINTO	L ANGELES	1798	01	01	4232817	4142887	4232847	4143611	48	DARTMOUTH	L ANGELES	1812	01	1	4233989	4138159	4234636	4138871
9	TWINING	L ANGELES	1797	01	01	4232793	4142897	4234001	4142725	49	DARTMOUTH	L ANGELES	1812	02	1	4234646	4138877	4235375	4139551
10	TWINING	L ANGELES	1797	02	01	4233993	4142719	4235168	4143258	50	CALANDRIA	L ANGELES	1813	01	1	4234011	4138500	4234174	4139320
11	NAVARRO	L ANGELES	1799	01	01	4233947	4143358	4235372	4144128	51	CALANDRIA	L ANGELES	1813	02	1	4234174	4139322	4235288	4140122
12	NAVARRO	L ANGELES	1799	02	01	4235375	4144130	4236798	4144164	52	NORELLE	L ANGELES	1814	01	1	4232100	4138649	4232496	4138538
13	NAVARRO	L ANGELES	1799	03	01	4236800	4144162	4238443	4144481	53	NORELLE	L ANGELES	1814	02	1	4232498	4138538	4232931	4138887
14	PUEBLO	L ANGELES	1810	01	01	4235152	4141872	4235150	4143911	54	NORELLE	L ANGELES	1814	03	1	4232923	4138871	4233357	4138847
15	PUEBLO	L ANGELES	1810	02	01	4235146	4143909	4234962	4144298	55	KLAMATH	L ANGELES	1815	01	1	4231984	4139912	4234005	4139914
16	FAINSWORTH	L ANGELES	1801	01	01	4237152	4143980	4237796	4143226	56	DRUID	L ANGELES	1817	01	1	4228749	4137452	4230331	4137628
17	FAINSWORTH	L ANGELES	1801	02	01	4237798	4143226	4237496	4141838	57	DRUID	L ANGELES	1817	02	1	4230329	4137628	4231684	4138226
18	WARWICK	L ANGELES	1802	01	01	4236754	4144196	4236798	4143105	58	DRUID	L ANGELES	1817	03	1	4231686	4138224	4232560	4137672
19	WARWICK	L ANGELES	1802	02	01	4236806	4143105	4237466	4141881	59	DRUID	L ANGELES	1817	04	1	4232562	4137670	4234436	4137620
20	WARWICK	L ANGELES	1802	03	01	4237466	4141874	4237514	4140902	60	YELLOWSTN	L ANGELES	1818	01	1	4230313	4137660	4230459	4137213
21	ALLAN	L ANGELES	1803	01	01	4237484	4141844	4239398	4141858	61	YELLOWSTN	L ANGELES	1818	02	1	4230457	4137207	4230985	4136529
22	LIFUR	L ANGELES	1800	01	01	4237176	4143288	4237164	4144228	62	YELLOWSTN	L ANGELES	1818	03	1	4230993	4136525	4232330	4136578
23	LIFUR	L ANGELES	1800	02	01	4237164	4144226	4237384	4145134	63	HARTFIELD	L ANGELES	1820	01	1	4228841	4136716	4230130	4136596
24	COMMUNWLT	L ANGELES	1277	02	01	4238073	4143757	4240238	4143779	64	HARTFIELD	L ANGELES	1820	02	1	4230136	4136598	4230465	4137193
25	POPLAR	L ANGELES	1805	01	01	4239730	4145353	4238935	4144739	65	RONDA	L ANGELES	1821	01	1	4232044	4136034	4232008	4136598
26	0.2E PBLD	L ANGELES	3170	01	01	4235511	4145171	4235929	4144343	66	DEL PASO	L ANGELES	1822	01	1	4232144	4135106	4232080	4135699
27	0.2W WSM	L ANGELES	3172	01	01	4238507	4146480	4239147	4145503	67	DEL PASO	L ANGELES	1822	02	1	4232080	4135701	4232480	4135898
28	STKBRIDGE	L ANGELES	1824	05	01	4238447	4141127	4238413	4145060	68	CYRIL	L ANGELES	1819	01	1	4233231	4136126	4232574	4136782
29	ALHAMBRA	L ANGELES	0175	05	01	4234428	4137524	4234516	4137949	69	CYRIL	L ANGELES	1819	02	1	4232566	4136778	4232428	4137770
30	ALHAMBRA	L ANGELES	0175	06	01	4234516	4137943	4237638	4140996	70	MEDFORD	L ANGELES	1852	01	1	4228089	4135603	4230142	4134501
31	ALHAMBRA	L ANGELES	0175	07	01	4237642	4140998	4238727	4141177	71	MEDFORD	L ANGELES	1852	02	1	4230138	4134501	4231900	4134069
32	ALHAMBRA	L ANGELES	0175	08	01	4238727	4141177	4239219	4140950	72	MEDFORD	L ANGELES	1852	03	1	4231906	4134071	4234017	4134745
33	HAVEN	L ANGELES	1808	01	01	4236549	4139988	4236289	4140339	73	ALCAZAR	L ANGELES	1858	01	1	4228565	4134761	4229624	4134234
34	HAVEN	L ANGELES	1808	02	01	4236295	4140345	4236361	4141756	74	TREMONT	L ANGELES	1855	01	1	4227969	4133592	4228876	4135242
35	CHESTER	L ANGELES	1806	01	01	4235557	4141201	4236031	4140966	75									
36	CHESTER	L ANGELES	1806	02	01	4236029	4140966	4237232	4141000	76									
37	BUDAU	L ANGELES	1807	01	01	4234960	4140527	4236651	4142408	77									
38	BUDAU	L ANGELES	1807	02	01	4236649	4142404	4236629	4142887	78									
39	LYNNFIELD	L ANGELES	1809	01	01	4233973	4141610	4235855	4141455	79									
40	EASTERN	L ANGELES	0057	15	01	4233309	4136319	4233349	4139902	80									

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TIME OF ENTRY - 17:45:04 DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 17:45:04 DATE OF LAST UPDA E 12-MAY-77 OPERATOR NAME HATSUNEE S
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WHITESIDE	L ANGELES	1854	01	01	4227324	4134007	4229008	4133135	41	LANDSDOWNE	L ANGELES	1832	04	1	4235381	4136271	4235939	4136898
2	WHITESIDE	L ANGELES	1854	02	01	4229570	4132863	4231834	4132971	42	CAVANAUGH	L ANGELES	1831	01	1	4234756	4137440	4236355	4137612
3	WHITESIDE	L ANGELES	1854	03	01	4231830	4132971	4234998	4134729	43	SHAW	L ANGELES	1833	01	1	4235853	4137388	4236365	4137576
4	CHELSEA	L ANGELES	1856	01	01	4226850	4133105	4227350	4132814	44	PARNETT	L ANGELES	1834	01	1	4236307	4136886	4235891	4137396
5	MURCHISON	L ANGELES	1857	01	01	4227352	4132816	4228001	4132897	45	OSULLIVAN	L ANGELES	1835	01	1	4234061	4135916	4234998	4136963
6	MURCHISON	L ANGELES	1857	02	01	4227997	4132893	4228329	4133498	46	OSULLIVAN	L ANGELES	1835	02	1	4235000	4136963	4235985	4137273
7	PERRIS	L ANGELES	1859	01	01	4229232	4134408	4229520	4134998	47	LEVANDA	L ANGELES	1837	01	1	4236724	4138957	4236998	4138562
8	EVERGREEN	L ANGELES	0083	03	01	4228984	4133111	4229222	4133506	48	LEVANDA	L ANGELES	1837	02	1	4236996	4138550	4236978	4137722
9	EVERGREEN	L ANGELES	0083	04	01	4229218	4133502	4229132	4133825	49	BARNETT	L ANGELES	1841	01	1	4235098	4136650	4235368	4136243
10	EVERGREEN	L ANGELES	0083	05	01	4229134	4133823	4229444	4134350	50	0.6N BDFD	L ANGELES	3165	01	1	4234572	4137598	4235154	4137209
11	FOWLER	L ANGELES	1853	01	01	4229564	4132891	4231536	4134154	51	0.7W USMT	L ANGELES	3166	01	1	4235637	4138877	4236137	4138324
12	ADKINSON	L ANGELES	1861	01	01	4231087	4132871	4230813	4133709	52	0.4W USMT	L ANGELES	3167	01	1	4236824	4139805	4237342	4139138
13	DITMAN	L ANGELES	1860	01	01	4230639	4133532	4230613	4134364	53	0.3N BDFD	L ANGELES	3163	01	1	4233639	4136602	4234256	4136223
14	DUNN	L ANGELES	1862	01	01	4231696	4132903	4231506	4133785	54	0.3S MRNN	L ANGELES	3164	01	1	4234374	4136700	4235008	4136309
15	BONNIE BH	L ANGELES	1863	01	01	4232777	4133278	4231988	4134901	55	LB FWY	ALHAMBRA	0125	28	9	4237956	4135138	4239292	4139739
16	MILLER	L ANGELES	1864	01	01	4233721	4134033	4233077	4135096	56	WINTHROP	ALHAMBRA	1829	01	9	4239732	4135824	4239480	4136606
17	0.3W INDN	L ANGELES	3120	01	01	4228157	4132131	4228101	4132959	57	WINTHROP	ALHAMBRA	1829	02	9	4239434	4136493	4239906	4137754
18	0.2S SNBR	L ANGELES	3121	01	01	4229162	4131425	4230066	4131437	58	WM.NISTER	ALHAMBRA	1826	01	9	4240593	4145054	4240641	4143009
19	0.3E INDN	L ANGELES	3122	01	01	4231291	4132209	4231319	4133221	59	WM.NISTER	ALHAMBRA	1826	02	9	4240715	4143128	4240763	4141044
20	0.5W EAS	L ANGELES	3123	01	01	4233277	4132840	4232764	4133815	60	WM.NISTER	ALHAMBRA	1826	04	9	4240867	4141143	4240020	4140243
21	0.2W EAS	L ANGELES	3124	01	01	4234728	4133681	4234242	4134515	61	WM.NISTER	ALHAMBRA	1826	03	9	4240396	4137758	4240410	4135281
22	0.2S SNBR	L ANGELES	3125	01	01	4235288	4133243	4236349	4133556	62	MERIDIAN	ALHAMBRA	1823	01	9	4241207	4147123	4241303	4141155
23	0.6S SNBR	L ANGELES	3126	01	01	4234998	4132187	4236045	4132065	63	MERIDIAN	ALHAMBRA	1823	02	9	4241273	4140920	4241321	4140319
24	0.8S SNBR	L ANGELES	3127	01	01	4234230	4130958	4235124	4130242	64	MERIDIAN	ALHAMBRA	1823	03	9	4241355	4139950	4241367	4138657
25	0.2N FLSM	L ANGELES	3128	01	01	4236862	4130216	4237546	4129651	65	MERIDIAN	ALHAMBRA	1823	04	9	4241355	4138637	4241195	4138476
26	0.5N FLSM	L ANGELES	3129	01	01	4237600	4131359	4238431	4130896	66	MERIDIAN	ALHAMBRA	1823	05	9	4241195	4138506	4241399	4138276
27	0.4S SNBR	L ANGELES	3130	01	01	4237582	4132678	4238877	4132650	67	MERIDIAN	ALHAMBRA	1823	06	9	4241401	4138280	4241097	4137732
28	0.1S SNBR	L ANGELES	3131	01	01	4237472	4134063	4238707	4134104	68	MERIDIAN	ALHAMBRA	1823	07	9	4241103	4137738	4241163	4136722
29	0.3S HLMN	L ANGELES	3168	01	01	4237944	4136658	4238891	4136423	69	WESTMONT	ALHAMBRA	1827	01	9	4239462	4137714	4239450	4140728
30	CAMPUS	L ANGELES	1842	01	01	4236651	4136886	4235849	4135884	70	WESTMONT	ALHAMBRA	1827	02	9	4239664	4142131	4239610	4146770
31	CAMPUS	L ANGELES	1842	02	01	4235849	4135888	4236031	4135068	71	MIDWICK	ALHAMBRA	1844	01	9	4239440	4138294	4241021	4138306
32	CIRCLE	L ANGELES	1840	01	01	4235889	4135515	4237582	4135413	72	MIDWICK	ALHAMBRA	1844	02	9	4241025	4138302	4241211	4138492
33	CIRCLE	L ANGELES	1840	02	01	4237572	4135423	4237926	4137143	73	GLENHAVEN	ALHAMBRA	1845	01	9	4239432	4138528	4240845	4138737
34	CIRCLE	L ANGELES	1840	03	01	4237928	4137143	4237058	4137636	74	PARKVIEW	ALHAMBRA	1846	01	9	4240322	4139024	4240763	4138737
35	CIRCLE	L ANGELES	1840	04	01	4237056	4137636	4236766	4137510	75									
36	BOHLIG	L ANGELES	1830	01	01	4236461	4138250	4237000	4138578	76									
37	BOHLIG	L ANGELES	1830	02	01	4236988	4138570	4238787	4138546	77									
38	LANDSDOWNE	L ANGELES	1832	01	01	4236317	4137576	4236615	4138314	78									
39	LANDSDOWNE	L ANGELES	1832	02	01	4234554	4135096	4235248	4135475	79									
40	LANDSDOWNE	L ANGELES	1832	03	01	4235264	4135475	4235381	4136273	80									

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19 OF 29

FILE NAME: CS0001.003 REVISION: 3

TIME OF ENTRY - 18:30:03 DATE OF LAST UPDATE - 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4153000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	RAMONA	ALHAMBRA	1843	01	09	4241978	4137706	4241193	4138470	41	0.1S 3RD	ALHAMBRA	3100	01	9	4235855	4124191	4237012	4124175
2	GLENDON	ALHAMBRA	1851	01	09	4241341	4139240	4241968	4139232	42	0.2E MCDN	ALHAMBRA	3101	01	9	4238579	4125011	4238607	4124103
3	CABRILLO	ALHAMBRA	1847	01	09	4239442	4138837	4240220	4139529	43	0.4E MCDN	LA COUNTY	3102	01	2	4239834	4125035	4239878	4123971
4	CABRILLO	ALHAMBRA	1847	02	09	4240210	4139527	4239998	41402F3	44	0.4N WHTT	BS.AX8CTF	3090	01	3	4234880	4123243	4236331	4123277
5	TERRACE	ALHAMBRA	1848	01	09	4240194	4139549	4240737	4139587	45	0.3N WHTT	LA COUNTY	3089	01	2	4235334	4122417	4236227	4122471
6	PYRENEES	ALHAMBRA	1850	01	09	4240731	4139579	4240715	4139922	46	0.2N WHTT	LA COUNTY	3088	01	2	4234844	4121818	4235601	4121862
7	NORWOOD	ALHAMBRA	1849	01	09	4240717	4139918	4241007	4140128	47	0.5E INDM	LA COUNTY	3079	01	2	4232468	4117651	4232424	4120071
8	NORWOOD	ALHAMBRA	1849	02	09	4241033	4140136	4241369	4139926	48	0.2E INDM	LA COUNTY	3078	01	2	4230699	4117890	4230691	4120304
9	CONCORD	ALHAMBRA	1828	01	09	4238681	4141221	4241902	4144170	49	0.4N WHTT	BS.AX8CTF	3090	01	3	4234888	4123219	4236329	4123229
10	COMMUNWLT	ALHAMBRA	1277	03	09	4240206	4143769	4240921	4144304	50	0.2S PMNA	MNTEBELLO	3104	01	3	4248455	4123327	4249361	4123758
11	COMMUNWLT	ALHAMBRA	1277	04	09	4240919	4144296	4241932	4144355	51	0.3S PMNA	MNTEBELLO	3105	01	3	4248539	4122852	4249509	4122449
12	POPLAR	ALHAMBRA	1805	02	09	4238909	4144733	4240190	4144721	52	0.2S CRNA	MNTEBELLO	3106	01	3	4247952	4119676	4247552	4119083
13	POPLAR	ALHAMBRA	1805	03	09	4240176	4144721	4241309	4145596	53	0.4S CRNA	MNTEBELLO	3107	01	3	4248250	4118588	4249237	4118347
14	POPLAR	ALHAMBRA	1805	04	09	4241313	4145594	4241920	4145596	54	0.3W GRFD	MNTEBELLO	3087	01	3	4246617	4115197	4246695	4116102
15	STKBRIDGE	ALHAMBRA	1824	01	09	4239604	4145247	4240010	4145391	55	0.2W TRGG	COMMERCE	3082	01	8	4237844	4117880	4237362	4117070
16	STKBRIDGE	ALHAMBRA	1824	02	09	4240012	4145393	4240164	4145848	56	0.3W TRGG	COMMERCE	3083	01	8	4238731	4117413	4238151	4116330
17	STKBRIDGE	ALHAMBRA	1824	03	09	4240166	4145848	4240372	4145473	57	0.1N ATLT	COMMERCE	3084	01	8	4239712	4116302	4239179	4115795
18	STKBRIDGE	ALHAMBRA	1824	04	09	4240370	4145475	4241241	4146442	58	0.3S ATLT	COMMERCE	3085	01	8	4241201	4115049	4240478	4114379
19	HAMPDEN	ALHAMBRA	1825	01	09	4239586	4146047	4239880	4145902	59	0.6S ATLT	COMMERCE	3086	01	8	4241771	4113108	4242566	4113840
20	HAMPDEN	ALHAMBRA	1825	02	09	4239868	4145892	4240482	4146576	60	0.2S TRGG	COMMERCE	3088	01	8	4235124	4116553	4236181	4116583
21	HAMPDEN	ALHAMBRA	1825	03	09	4240482	4146570	4240546	4147133	61	0.4S TRGG	COMMERCE	3081	01	8	4236259	4115246	4235134	4115217
22	SM FWY	ALHAMBRA	0124	22	09	4240526	4147105	4241912	4147121	62	1.7W LGBH	COMMERCE	3054	01	8	4227703	4117433	4226524	4114588
23	FREEMONT	ALHAMBRA	0011	03	09	4241853	4147127	4241964	4137213	63	1.4W LGBH	COMMERCE	3055	01	8	4227775	4114175	4228978	4117086
24	0.2S CNCI	ALHAMBRA	3165	01	09	4241427	4142941	4242512	4142945	64	1.1W LGBH	COMMERCE	3056	01	8	4230319	4116882	4228841	4113527
25	0.3E FRM	ALHAMBRA	3134	01	09	4243929	4137999	4244023	4138737	65	0.9W LGBH	COMMERCE	3057	01	8	4229964	4113114	4231319	4116430
26	0.3W ATL	ALHAMBRA	3135	01	09	4245666	4138991	4245596	4138055	66	0.7W LGBH	COMMERCE	3058	01	8	4231097	4112703	4232466	4115983
27	0.7E FRM	ALHAMBRA	3136	01	09	4245156	4138206	4245132	4137195	67	0.4W LGBH	COMMERCE	3059	01	8	4233475	4115382	4232186	4112523
28	0.2W FRM	ALHAMBRA	3133	01	09	4242572	4134176	4243245	4135308	68	0.2W LGBH	COMMERCE	3060	01	8	4233595	4112713	4234586	4115089
29	0.2W GRV	ALHAMBRA	3132	01	09	4240504	4135531	4240476	4134438	69	0.2W DUNY	VERNON	3077	01	7	4224678	4114893	4224726	4112445
30	0.2S FRM	ALHAMBRA	3137	01	09	4242854	4133270	4243707	4132265	70	0.6E SOTO	VERNON	3071	01	7	4224526	4114953	4224548	4116204
31	0.4S FRM	ALHAMBRA	3138	01	09	4242668	4131261	4241697	4132361	71	0.3E SOTO	VERNON	3070	01	7	4222893	4112050	4222671	4118882
32	0.8S FRM	ALHAMBRA	3139	01	09	4240665	4130427	4240360	4131670	72	0.2N 37TH	VERNON	3064	01	7	4220971	4116521	4221828	4116513
33	1.1S FRM	ALHAMBRA	3140	01	09	4239920	4129971	4238965	4130677	73	0.2W SOTO	VERNON	3063	01	7	4220047	4116248	4220123	4113722
34	0.2E MDNK	ALHAMBRA	3141	01	09	4240100	4129458	4240168	4128488	74	0.2W SNTF	VERNON	3062	01	7	4216838	4112395	4216836	4119951
35	0.4E MDNK	ALHAMBRA	3142	01	09	4241399	4129416	4241451	4128450	75									
36	0.7E MDNK	ALHAMBRA	3143	01	09	4242712	4129079	4242374	4128141	76									
37	0.9E MDNK	ALHAMBRA	3144	01	09	4243931	4128648	4243417	4127728	77									
38	0.3N RGGN	ALHAMBRA	3145	01	09	4244451	4127225	4244938	4126529	78									
39	0.2W ATL	ALHAMBRA	3146	01	09	4242988	4127096	4242530	4126359	79									
40	0.3W ATL	ALHAMBRA	3147	01	09	4242248	4127582	4241737	4126772	80									

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TIME OF ENTRY - 18:45:03 DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4120000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4135888 LOWER RIGHT = 4128888 LOWER LEFT = 4128888 UPPER LEFT = 4135888
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 2:240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

REET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	S"REET	CITY	S" SEG	CY	STARTX	STARTY	ENDX	ENDY
ALMD	L ANGELES	3061	01	01	4213672	4113040	4213612	4115847	41								
24TH	L ANGELES	3067	01	01	4213071	4116916	4212283	4117178	42								
WSH"	L ANGELES	3066	01	01	4213269	4118929	4212393	4119516	43								
ALMD	L ANGELES	3068	01	01	4216618	4120039	4217114	4121092	44								
SOTO	L ANGELES	3065	01	01	4219534	4119235	4219582	4118375	45								
SNTF	L ANGELES	3069	01	01	4219919	4121286	4219875	4122237	46								
SOTO	L ANGELES	3072	01	01	4222561	4119931	4222763	4120430	47								
SOTO	L ANGELES	3073	01	01	4222509	4120414	4222741	4120933	48								
SOTO	L ANGELES	3074	01	01	4222557	4120801	4222815	4121370	49								
SOTO	L ANGELES	3075	01	01	4222561	4121577	4222901	4122251	50								
SOTO	L ANGELES	3076	01	01	4222561	4119728	4223984	4120246	51								
SNTF	L ANGELES	3091	01	01	4222561	4122636	4219754	4123554	52								
SNTF	L ANGELES	3092	01	01	4221041	4122640	4220073	4123812	53								
WHT"	L ANGELES	3093	01	01	4221326	4124298	4220397	4124745	54								
WHT"	L ANGELES	3094	01	01	4221700	4124931	4220949	4125218	55								
SOTO	L ANGELES	3095	01	01	4221994	4122682	4222429	4123686	56								
SOTO	L ANGELES	3096	01	01	4220965	4121459	4221136	4123371	57								
SOTO	L ANGELES	3097	01	01	4223201	4122620	4223647	4123480	58								
SOTO	L ANGELES	3098	01	01	4223760	4122207	4224120	4122998	59								
LORN	L ANGELES	3099	01	01	4228549	4122962	4228487	4123824	60								
EVGR	L ANGELES	3119	01	01	4227260	4125623	4228471	4128021	61								
STTE	L ANGELES	3118	01	01	4221832	4127636	4222379	4128478	62								
SNBR	L ANGELES	3117	01	01	4222340	4131892	4223659	4131964	63								
GLS"	L ANGELES	3116	01	01	4221958	4131553	4221388	4130507	64								
MACY	L ANGELES	3115	01	01	4221908	4131992	4221520	4132738	65								
SNTH	L ANGELES	3108	01	01	4219382	4125785	4219718	4126689	66								
SNTH	L ANGELES	3109	01	01	4219260	4127183	4219010	4127979	67								
SNTH	L ANGELES	3110	01	01	4218333	4129246	4218520	4130523	68								
ALMD	L ANGELES	3111	01	01	4216854	4131395	4216948	4132427	69								
ALMD	L ANGELES	3112	01	01	4218624	4131002	4218784	4132151	70								
SNTH	L ANGELES	3148	01	01	4219879	4130244											

TIME OF ENTRY - 18:30:00 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 18:30:00      DATE OF LAST UPDATE - 05-11-77      OPERATOR NAME - RIVIERA, J.
MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20183 LOWER RIGHT = 20256 LOWER LEFT = 1126 UPPER LEFT = 1044
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 10329 LOWER RIGHT = 1123 LOWER LEFT = 1099 UPPER LEFT = 10261

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	PLANTANA	LA MIRADA	1470	01	37	4279414	4079103	4279376	4080939	41	BARNWALL	LA MIRADA	1438	06	7	4283340	4072801	4283613	4073113
2	PLANTANA	LA MIRADA	1470	02	37	4279384	4080947	4281127	4081366	42	BARNWALL	LA MIRADA	1438	07	7	4283624	4073115	4286700	4073161
3	PLANTANA	LA MIRADA	1470	03	37	4281129	4081368	4281750	4082260	43	TRICIA	LA MIRADA	1495	01	7	4285485	4072420	4286923	4072440
4	TABUCA	LA MIRADA	1469	01	37	4291922	4081293	4282899	4081047	44	MACAW	LA MIRADA	1478	01	7	4280059	4072765	4281523	4072773
5	TABUCA	LA MIRADA	1469	02	37	4282921	4081083	4283680	4081402	45	ALONDRA	LA MIRADA	0497	15	7	4285467	4071802	4287815	4071835
6	TABUCA	LA MIRADA	1469	03	37	4283674	4081358	4284489	4081356	46	HERON	LA MIRADA	1477	01	7	4280079	4071351	4281501	4070393
7	FONSICA	LA MIRADA	1484	01	37	4284680	4079570	4285196	4081614	47	0.25 ALND	LA MIRADA	2552	01	7	4282941	4070534	4283947	4070502
8	FONSICA	LA MIRADA	1484	02	37	4285202	4081616	4286684	4082027	48	DESMAN	LA MIRADA	1475	01	7	4283310	4069457	4286672	4069483
9	IMPERIAL	LA MIRADA	0504	21	37	4285359	4082396	4286702	4081953	49	STAGE	LA MIRADA	1304	02	7	4287825	4070006	4287263	4070039
10	IMPERIAL	LA MIRADA	0504	22	37	4286698	4081973	4287749	4082442	50	STAGE	LA MIRADA	1304	03	7	4287233	4070041	4279253	4075338
11	LOMA	LA MIRADA	1383	01	37	4281866	4080568	4283611	4080546	51	STAGE	LA MIRADA	1304	04	7	4279243	4075344	4276745	4077030
12	VALEDA	LA MIRADA	1498	01	37	4285600	4080852	4286799	4080957	52	SANTA ANA	LA MIRADA	0123	24	7	4279543	4070139	4284596	4067026
13	FOSTER	LA MIRADA	1417	06	37	4279151	4079702	4280294	4079796	53	HERON	LA MIRADA	1477	02	7	4280065	4071335	4280073	4072761
14	FOSTER	LA MIRADA	1417	07	37	4280292	4079794	4280792	4079465	54	0.35 VLVW	LA MIRADA	2550	01	7	4280330	4069151	4280876	4070023
15	GARDENHIL	LA MIRADA	1497	01	37	4280719	4079754	4281896	4080141	55	0.25 PHBE	LA MIRADA	2551	01	7	4282161	4068008	4282629	4068746
16	MANSA	LA MIRADA	1464	03	37	4279163	4078744	4280249	4078407	56	CORLEY	LA MIRADA	1382	03	7	4280017	4081117	4279988	4082179
17	MANSA	LA MIRADA	1464	04	37	4280253	4078409	4282214	4079151	57	CORLEY	LA COUNTY	1382	01	2	4279747	4083472	4279633	4084533
18	MANSA	LA MIRADA	1464	05	37	4282228	4079161	4283716	4079163	58	CORLEY	LA COUNTY	1382	02	2	4279920	4082300	4279906	4083693
19	FOSTER	LA MIRADA	1417	08	37	4284433	4079333	4287496	4079796	59	CORLEY	LA COUNTY	1382	04	2	4279589	4084531	4280253	4085559
20	BORA	LA MIRADA	1487	01	37	4279189	4078036	4279860	4077778	60	BURGESS	LA MIRADA	1471	02	7	4281021	4080600	4280812	4082348
21	BORA	LA MIRADA	1487	02	37	4279890	4077786	4280073	4077423	61	BURGESS	LA COUNTY	1471	01	2	4280820	4082350	4280778	4084845
22	BORA	LA MIRADA	1487	03	37	4280075	4077427	4281354	4077275	62	ESTERO	LA MIRADA	1466	01	7	4280623	4077062	4280418	4078501
23	BORA	LA MIRADA	1487	04	37	4281356	4077271	4282390	4076733	63	BRAZO	LA MIRADA	1502	01	7	4280681	4078555	4280727	4079501
24	ROMA	LA MIRADA	1482	01	37	4282421	4077046	4284186	4076421	64	CANARY	LA MIRADA	1479	01	7	4280958	4070772	4280814	4072809
25	ALICANTE	LA MIRADA	1299	02	37	4280466	4078092	4281683	4077673	65	CANARY	LA MIRADA	1479	02	7	4280842	4073270	4280826	4074061
26	ALICANTE	LA MIRADA	1299	03	37	4284455	4077088	4287809	4077110	66	BURGESS	LA MIRADA	1471	07	7	4280886	4074206	4282222	4076352
27	ROSECRANS	LA MIRADA	0500	13	37	4280904	4077094	4283817	4075493	67	BIOLA	LA MIRADA	1465	01	7	4282204	4076346	4282647	4077720
28	ROSECRANS	LA MIRADA	0500	14	37	4283810	4075501	4287777	4075825	68	BIOLA	LA MIRADA	1465	02	7	4282641	4077716	4282224	4079153
29	BADLONA	LA MIRADA	1501	01	37	4283856	4075960	4284929	4076266	69	BIOLA	LA MIRADA	1465	03	7	4282224	4079155	4281888	4080169
30	BADLONA	LA MIRADA	1501	02	37	4284927	4076286	4285487	4076858	70	BIOLA	LA MIRADA	1465	04	7	4281878	4080165	4281870	4081097
31	BADLONA	LA MIRADA	1501	03	37	4285451	4076868	4286377	4076876	71	BIOLA	LA MIRADA	1465	05	7	4281866	4081095	4282296	4081899
32	CRISTOBAL	LA MIRADA	1488	01	37	4279193	4075807	4280643	4075805	72	BIOLA	LA MIRADA	1465	06	7	4282300	4081917	4282318	4082380
33	CRISTOBAL	LA MIRADA	1488	02	37	4280641	4075843	4281601	4075304	73	ELESPJO	LA MIRADA	1467	01	7	4281356	4077256	4282198	4078128
34	ESTEBAN	LA MIRADA	1491	01	37	4281884	4075839	4282736	4074791	74	ELESPJO	LA MIRADA	1467	02	7	4282190	4078146	4281890	4079093
35	EXCELSIOR	LA MIRADA	1437	05	37	4281754	4074486	4282366	4074306	75	PHOEBE	LA MIRADA	1474	01	7	4281587	4068930	4281473	4072811
36	EXCELSIOR	LA MIRADA	1437	06	37	4282784	4074240	4284537	4074087	76	JALISCO	LA MIRADA	1492	01	7	4281663	4074224	4282304	4075298
37	EXCELSIOR	LA MIRADA	1437	07	37	4284541	4074077	4285317	4074420	77									
38	NEARTREE	LA MIRADA	1493	01	37	4283017	4072987	4283535	4073400	78									
39	NEARTREE	LA MIRADA	1493	02	37	4283537	4073394	4285184	4073408	79									
40	NEARTREE	LA MIRADA	1493	03	37	4285184	4073408	4285626	4073634	80									

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TIME OF ENTRY - 19:10:09 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 19:10:09    DATE OF LAST UPDATE - 05-MAY-77    OPERATOR NAME - HAYS-FLEET
MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20183 LOWER RIGHT = 20256 LOWER LEFT = 1126 UPPER LEFT = 1044
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 18329 LOWER RIGHT = 1123 LOWER LEFT = 1099 UPPER LEFT = 18261

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GANDARA	LA MIRADA	1490	01	37	4283186	4078940	4283212	4079497	41	SUNSHINE	LA COUNTY	1361	03	2	4273037	4084070	4275305	4084168
2	GANDARA	LA MIRADA	1490	02	37	4283148	4079706	4283172	4080574	42	SPLENDORA	LA COUNTY	1374	01	2	4271754	4082380	4272714	4082648
3	WHITEROCK	LA MIRADA	1500	01	37	4283859	4075717	4283836	4077180	43	LEFFNGULL	LA COUNTY	1362	03	2	4272756	4082242	4273051	4082739
4	WHITEROCK	LA MIRADA	1500	02	37	4283854	4077188	4284467	4077675	44	LEFFNGULL	LA COUNTY	1362	04	2	4273054	4082739	4280985	4084964
5	TROJAN	LA MIRADA	1476	01	37	4283280	4071816	4283320	4067814	45	PLACID	LA COUNTY	1371	01	2	4273865	4082680	4275072	4082666
6	0.2E KNO	LA MIRADA	2554	01	37	4285674	4069882	4285694	4069117	46	PLACID	LA COUNTY	1371	02	2	4275291	4082847	4276420	4082839
7	KNOTT	LA MIRADA	1333	02	37	4284626	4067118	4284569	4070618	47	PLACID	LA COUNTY	1371	03	2	4277243	4082965	4277837	4083242
8	ESCALONA	LA MIRADA	1473	01	37	4284517	4071784	4284539	4075410	48	TEDFORD	LA COUNTY	1381	01	2	4278113	4082933	4279161	4082979
9	LUITWIELR	LA MIRADA	1468	01	37	4284435	4082434	4284505	4077104	49	TEDFORD	LA COUNTY	1381	02	2	4279157	4082977	4281244	4084751
10	LUITWIELR	LA MIRADA	1468	02	37	4284515	4077108	4285110	4074577	50	KEESE	LA COUNTY	1372	01	2	4280991	4083206	4282145	4083200
11	LUITWIELR	LA MIRADA	1468	03	37	4285110	4074577	4287799	4072580	51	KEESE	LA COUNTY	1372	02	2	4282131	4083182	4283537	4082548
12	DALMATION	LA MIRADA	1494	01	37	4285433	4071173	4285226	4073163	52	SPRNGVIEW	LA COUNTY	1373	01	2	4281800	4082374	4282453	4082921
13	ROSTRATA	LA MIRADA	1504	01	37	4286504	4067044	4286500	4068044	53	SPRNGVIEW	LA COUNTY	1373	02	2	4282457	4082939	4282706	4083641
14	OCASO	LA MIRADA	1486	06	37	4287237	4069419	4287184	4071833	54	LOMA	LA COUNTY	1383	01	2	4277910	4084581	4277817	4082320
15	OCASO	LA MIRADA	1486	07	37	4286875	4071833	4286939	4072404	55	TELECHRON	LA COUNTY	1385	01	2	4276050	4089018	4276048	4085669
16	WESTERN	LA MIRADA	1503	01	37	4287311	4067054	4287221	4071845	56	LELAND	LA COUNTY	1384	01	2	4275295	4082540	4275263	4089676
17	ARANZA	LA MIRADA	1499	01	37	4286644	4073388	4287291	4074382	57	CARMINITA	LA COUNTY	1336	04	2	4273883	4090780	4273833	4082336
18	OCASO	LA MIRADA	1486	01	37	4287809	4074029	4286646	4074751	58	LAUREL	LA COUNTY	1386	01	2	4273202	4090418	4273190	4086054
19	OCASO	LA MIRADA	1486	02	37	4286640	4074747	4286522	4075747	59	LAUREL	LA COUNTY	1386	02	2	4273007	4086206	4273007	4084082
20	OCASO	LA MIRADA	1486	03	37	4286349	4075727	4286835	4076473	60	LAUREL	LA COUNTY	1386	03	2	4273027	4084106	4273088	4083524
21	OCASO	LA MIRADA	1486	04	37	4286839	4076483	4287068	4077126	61	LAUREL	LA COUNTY	1386	04	2	4273100	4083528	4272726	4082684
22	OCASO	LA MIRADA	1486	05	37	4287068	4077126	4286732	4079732	62	PAINTER	SNTA F SP	1380	01	5	4272377	4051376	4272499	4087657
23	BLUEFIELD	LA MIRADA	1485	01	37	4285542	4079738	4285754	4081817	63	PAINTER	LA COUNTY	1380	02	2	4271859	4086260	4271848	4083793
24	0.3E LMRD	LA MIRADA	2608	01	37	4285861	4076928	4285859	4077647	64	PAINTER	LA COUNTY	1380	03	2	4271963	4083751	4271750	4082760
25	0.2N ALC	LA MIRADA	2566	01	37	4286341	4078413	4287630	4078437	65	SHOEMAKER	LA COUNTY	1389	01	2	4271228	4091306	4271286	4082300
26	0.3N ESCL	LA MIRADA	2553	01	37	4283135	4072312	4283338	4072965	66	SHOEMAKER	LA COUNTY	1389	02	2	4271228	4080620	4271276	4073057
27	BARRET	LA COUNTY	1358	01	02	4273146	4090434	4273867	4090432	67	SHOEMAKER	PARAMOUNT	1389	03	5	4271280	4073057	4271306	4067014
28	FLORENCE	LA COUNTY	0508	13	02	4273188	4088012	4275498	4088798	68									
29	FLORENCE	LA COUNTY	0508	14	02	4275506	4088800	4276080	4088553	69									
30	VIRGINIA	LA COUNTY	1375	01	02	4273859	4087030	4276068	4087038	70									
31	MEYER	LA COUNTY	1379	01	02	4271298	4087686	4275305	4084294	71									
32	MEYER	LA COUNTY	1379	02	02	4275301	4084308	4276548	4083733	72									
33	MEYER	LA COUNTY	1379	03	02	4276542	4083733	4277797	4082318	73									
34	LUKAY	LA COUNTY	1376	01	02	4274327	4085749	4276387	4085691	74									
35	UTICA	LA COUNTY	1377	01	02	4274716	4084787	4276801	4084821	75									
36	COTEAU	LA COUNTY	1378	01	02	4277530	4084569	4278691	4084619	76									
37	RAINIER	LA COUNTY	1359	01	02	4270394	4086317	4272485	4086359	77									
38	BEATY	LA COUNTY	1360	01	02	4270360	4085038	4274429	4085064	78									
39	SUNSHINE	LA COUNTY	1361	01	02	4270320	4083703	4272443	4083747	79									
40	SUNSHINE	LA COUNTY	1361	02	02	4272435	4083743	4273037	4084066	80									

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TIME OF ENTRY - 19:30:04 DATE OF LAST UPDATE - 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 19:30:04 DATE OF LAST UPDATE - 05-MAY-77 OPERATOR NAME - HNSAFR000
MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20183 LOWER RIGHT = 20256 LOWER LEFT = 1126 UPPER LEFT = 1044
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 18329 LOWER RIGHT = 1123 LOWER LEFT = 1099 UPPER LEFT = 18261

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	LS NIETOS	SNTA F	SP	1345	01	45	4262054	4098792	4265247	4097936	41	LAKELAND	SNTA F	SP	1357	02	5	4268597	4087657	4276062	4087670
2	LS NIETOS	SNTA F	SP	1345	02	45	4265245	4097936	4266291	4096970	42	ORR \$ DAY	SNTA F	SP	1399	01	5	4261875	4096515	4260507	4092885
3	SHADE	SNTA F	SP	0595	04	45	4263267	4097782	4264532	4097389	43	ORR \$ DAY	SNTA F	SP	1399	02	5	4260513	4092885	4260475	4087728
4	0.7N TLGH	SNTA F	SP	2520	01	45	4261218	4097814	4262116	4097403	44	0.2S LKLN	SNTA F	SP	2557	01	5	4268352	4086681	4269171	4086703
5	0.5N TLGH	SNTA F	SP	2519	01	45	4260831	4096669	4261550	4096279	45	0.4S LKLN	SNTA F	SP	2556	01	5	4268252	4085523	4269111	4085523
6	0.3N TLGH	SNTA F	SP	2518	01	45	4260329	4095583	4261164	4095134	46	0.7S LKLN	SNTA F	SP	2555	01	5	4268201	4084031	4269248	4084013
7	0.3N TLGH	SNTA F	SP	2526	01	45	4265534	4092642	4266438	4092689	47	GTYSBURG	SNTA F	SP	1370	04	5	4268629	4082719	4269501	4082703
8	0.2E ARLE	SNTA F	SP	2527	01	45	4264253	4091694	4264580	4092388	48	0.3N FSTR	SNTA F	SP	2563	01	5	4273419	4081043	4274377	4081039
9	0.3E PNRR	SNTA F	SP	2528	01	45	4264542	4089303	4264564	4088656	49	RA LIFE	SNTA F	SP	0658	03	5	4276474	4080856	4277938	4080816
10	0.3E BLFD	SNTA F	SP	2539	01	45	4270007	4091755	4270027	4090832	50	RA LIFE	SNTA F	SP	0658	04	5	4277938	4080814	4278097	4081225
11	0.2S TLGH	SNTA F	SP	2558	01	45	4270838	4090187	4271644	4090197	51	RA LIFE	SNTA F	SP	0658	05	5	4278095	4081217	4279191	4081227
12	0.5S TLGH	SNTA F	SP	2559	01	45	4270840	4088898	4271595	4088926	52	FOSTER	SNTA F	SP	1417	05	5	4273365	4079640	4279213	4079706
13	BROADEN	SNTA F	SP	1347	01	45	4262674	4096948	4264602	4096166	53	0.3N RSCR	SNTA F	SP	2564	01	5	4273469	4078373	4274500	4078329
14	CHRLSWRTH	SNTA F	SP	1348	01	45	4261857	4096513	4264642	4095294	54	0.3N RSCR	SNTA F	SP	2565	01	5	4276187	4078453	4276873	4078473
15	PIONEER	SNTA F	SP	1397	03	45	4262861	4100231	4262676	4098646	55	MANSA	SNTA F	SP	1464	01	5	4276508	4078183	4277703	4078201
16	PIONEER	SNTA F	SP	1397	04	45	4262664	4098640	4261919	4096479	56	MANSA	SNTA F	SP	1464	02	5	4277701	4078217	4279213	4078782
17	PIONEER	SNTA F	SP	1397	05	45	4261931	4096491	4261985	4095224	57	0.3E CRMT	SNTA F	SP	2542	01	5	4275255	4079995	4275295	4079087
18	PIONEER	SNTA F	SP	1397	06	45	4261985	4095204	4262592	4094727	58	0.3E CRMT	SNTA F	SP	2543	01	5	4275295	4077495	4275333	4076559
19	SMITH	SNTA F	SP	1349	01	45	4262614	4094721	4264622	4093843	59	0.2E STGE	SNTA F	SP	2547	01	5	4277950	4077537	4278016	4076597
20	SMITH	SNTA F																			

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TIME OF ENTRY - 20:00:08 . DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20183 LOWER RIGHT = 20256 LOWER LEFT = 1126 UPPER LEFT = 1044
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 18329 LOWER RIGHT = 1123 LOWER LEFT = 1099 UPPER LEFT = 18261

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	BORATE	SNTA	F	SP	1481	01	45	4276542	4076276	4277976	4075691	41	MILANO	NORWALK	1505	01	1	4262656	4088279	4261825	4087269
2	GANNET	SNTA	F	SP	1480	01	45	4277205	4076136	4277217	4075146	42	MILANO	NORWALK	1505	02	1	4261819	4087281	4261861	4086180
3	GANNET	SNTA	F	SP	1480	02	45	4277219	4075142	4278189	4074007	43	MILANO	NORWALK	1505	03	1	4261861	4085194	4262088	4085813
4	GANNET	SNTA	F	SP	1480	03	45	4278187	4074007	4280820	4074033	44	HERMES	NORWALK	1365	01	1	4257629	4087114	4260535	4087076
5	MARQUARD	SNTA	F	SP	1335	02	45	4276628	4067040	4276580	4071989	45	CROSSN	NORWALK	1506	01	1	4261807	4086910	4262646	4086926
6	MARQUARD	SNTA	F	SP	1335	03	45	4276652	4072157	4276604	4074975	46	SUMMRSHDE	NORWALK	1313	02	1	4264653	4087670	4264476	4087074
7	MARQUARD	SNTA	F	SP	1335	04	45	4276554	4075384	4276520	4082362	47	SUMMRSHDE	NORWALK	1313	03	1	4264484	4087060	4263865	4086834
8	0.5N SNTA	SNTA	F	SP	2568	01	45	4276164	4073099	4277221	4073089	48	0.3E NRWK	NORWALK	2540	01	1	4267287	4087231	4267263	4087908
9	0.2N ALND	SNTA	F	SP	2571	01	45	4278852	4072959	4279767	4072969	49	KENNEY	NORWALK	1364	01	1	4256673	4086244	4259252	4086230
10	0.2S ARBR	SNTA	F	SP	2572	01	45	4278705	4068309	4280017	4068319	50	KENNEY	NORWALK	1364	02	1	4259244	4086433	4260549	4086433
11	ALONDRA	SNTA	F	SP	0497	14	45	4275518	4071712	4285439	4071804	51	KENNEY	NORWALK	1364	03	1	4262379	4086266	4262893	4086264
12	0.2E CRM	SNTA	F	SP	2546	01	45	4275269	4071215	4275265	4072097	52	KENNEY	NORWALK	1364	04	1	4263662	4086270	4264351	4086298
13	0.2S ALND	SNTA	F	SP	2549	01	45	4278066	4070748	4278492	4071466	53	KENNEY	NORWALK	1364	05	1	4264361	4086268	4264954	4086834
14	0.8S ALND	SNTA	F	SP	2569	01	45	4276054	4070275	4277114	4070255	54	KENNEY	NORWALK	1364	06	1	4264950	4086832	4265936	4086834
15	VILLAGE	SNTA	F	SP	1641	01	45	4275243	4070253	4273933	4070203	55									
16	0.3E BLFD	SNTA	F	SP	2541	01	45	4270238	4082763	4270258	4081959	56									
17	0.2E CRM	SNTA	F	SP	2544	01	45	4275223	4073915	4275251	4074735	57									
18	MOORE	SNTA	F	SP	1642	01	45	4273957	4069602	4275259	4069614	58									
19	166TH	SNTA	F	SP	1442	02	45	4268629	4068970	4276624	4069090	59									
20	0.3N 166	SNTA	F	SP	2567	01	45	4268247	4070289	4269101	4070257	60									
21	0.3E NRWK	SNTA	F	SP	2545	01	45	4267378	4069349	4267360	4068621	61									
22	CUESTA	SNTA	F	SP	1647	01	45	4270832													

FILE NAME CS0005.DAT REVISION 1
TIME OF ENTRY - 20:10:05 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 20:10:05    DATE OF LAST UPDATE - 05-MAY-77    OPERATOR NAME - HATS-FILE-3
MAP X-COORDINATE DATA - UPPER RIGHT = 4286000 LOWER RIGHT = 4286000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20183 LOWER RIGHT = 20256 LOWER LEFT = 1126 UPPER LEFT = 1044
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 18329 LOWER RIGHT = 1123 LOWER LEFT = 1099 UPPER LEFT = 18261

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	FIRESTONE	NORWALK	0561	11	41	4256308	4085116	4263196	4080730	41	LEFFNGWLL	NORWALK	1362	05	1	4255492	4077772	4262281	4079732
2	FIRESTONE	NORWALK	0561	12	41	4263180	4080716	4269091	4076896	42	TADDY	NORWALK	1434	01	1	4258848	4077992	4261240	4077986
3	PANTHEON	NORWALK	1363	01	41	4263476	4085741	4264773	4085763	43	BRIMLEY	NORWALK	1458	01	1	4261166	4078459	4262937	4078513
4	PANTHEON	NORWALK	1363	02	41	4265309	4085769	4265988	4085817	44	KALNOR	NORWALK	1457	01	1	4262899	4078307	4263644	4078495
5	BEATY	NORWALK	1366	01	41	4260270	4085256	4261937	4085256	45	KALNOR	NORWALK	1457	02	1	4263640	4078491	4264082	4079121
6	BEATY	NORWALK	1366	02	41	4263470	4085182	4264632	4085198	46	KALNOR	NORWALK	1457	03	1	4264391	4079548	4264853	4080141
7	PANTHEON	NORWALK	1363	03	41	4265133	4085206	4266006	4085166	47	KALNOR	NORWALK	1457	04	1	4265347	4081003	4265361	4082346
8	HERCULES	NORWALK	1367	01	41	4259005	4085350	4259517	4085012	48	ESCALONA	NORWALK	1473	01	1	4263889	4078459	4266002	4077080
9	HERCULES	NORWALK	1367	02	41	4259758	4084785	4260294	4084466	49	ROSECRANS	NORWALK	0500	11	1	4260049	4076838	4270487	4076954
10	HERCULES	NORWALK	1367	03	41	4260304	4084458	4262463	4084458	50	ROSECRANS	NORWALK	0500	12	1	4270499	4076944	4280703	4077086
11	HERCULES	NORWALK	1367	04	41	4263474	4084472	4264468	4084286	51	MAPLEDALE	NORWALK	1436	02	1	4256384	4075517	4263060	4075631
12	HERCULES	NORWALK	1367	05	41	4264464	4084286	4264675	4083661	52	MAPLEDALE	NORWALK	1436	03	1	4263058	4075631	4268641	4075625
13	DUNE	NORWALK	1369	01	41	4257884	4084735	4259075	4084090	53	MAPLEDALE	NORWALK	1436	04	1	4271742	4075675	4273945	4075691
14	DUNE	NORWALK	1369	02	41	4259306	4083923	4260495	4083933	54	EXCELSIOR	NORWALK	1437	01	1	4255450	4074985	4257543	4074186
15	CREWE	NORWALK	1368	01	41	4259083	4083633	4259772	4083623	55	EXCELSIOR	NORWALK	1437	02	1	4257543	4074182	4268434	4074288
16	CREWE	NORWALK	1368	02	41	4260519	4083629	4261885	4083651	56	EXCELSIOR	NORWALK	1437	03	1	4268438	4074294	4272150	4074340
17	CREWE	NORWALK	1368	03	41	4263030	4083629	4266000	4083659	57	EXCELSIOR	NORWALK	1437	04	1	4273909	4074352	4276644	4074408
18	CREWE	NORWALK	1368	04	41	4265950	4083552	4267193	4083607	58	FERINA	NORWALK	1448	01	1	4257750	4073540	4263012	4073594
19	GTYSBURG	NORWALK	1370	01	41	4260533	4082969	4261513	4082969	59	BARNWALL	NORWALK	1438	02	1	4255488	4072829	4256338	4072849
20	GTYSBURG	NORWALK	1370	02	41	4261859	4082863	4262562	4082893	60	BARNWALL	NORWALK	1438	03	1	4256342	4072847	4258274	4072873
21	GTYSBURG	NORWALK	1370	03	41	4265942	4082765	4257219	4082781	61	BARN								

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TIME OF ENTRY - 21:15:00 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20182 LOWER RIGHT = 20254 LOWER LEFT = 1124 UPPER LEFT = 1043
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 18335 LOWER RIGHT = 1128 LOWER LEFT = 1098 UPPER LEFT = 18251

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	166TH	NORWALK	1442	01	41	4257816	4068936	4268631	4068994	41	MAIDSTONE	NORWALK	1507	03	1	4261744	4070424	4261710	4072931
2	ARTESIA	NORWALK	1288	11	41	4256804	4067550	4267322	4067556	42	MAIDSTONE	NORWALK	1507	04	1	4261704	4072886	4261726	4074956
3	DOMART	NORWALK	1428	01	41	4255537	4071918	4255472	4074709	43	FLALLON	NORWALK	1431	01	1	4262315	4068908	4262242	4071617
4	DOMART	NORWALK	1428	02	41	4255470	4074930	4255402	4076777	44	FLALLON	NORWALK	1431	02	1	4262247	4072878	4262232	4074240
5	CRTS \$ KG	NORWALK	1427	01	41	4255215	4078560	4255275	4081408	45	FLALLON	NORWALK	1431	03	1	4262194	4075774	4262148	4076883
6	SGR FWY	NORWALK	0244	14	41	4256207	4080872	4256434	4071539	46	FLALLON	NORWALK	1431	04	1	4262275	4076841	4262226	4079813
7	SGR FWY	NORWALK	0244	15	41	4256440	4071531	4256870	4067538	47	FLALLON	NORWALK	1431	05	1	4262156	4079767	4262160	4080608
8	OAKMONT	NORWALK	1308	01	41	4258710	4089586	4257842	4088168	48	0.4W IMPR	NORWALK	2531	01	1	4262090	4080956	4262586	4081686
9	OAKMONT	NORWALK	1308	02	41	4257840	4088164	4257991	4078939	49	ALBURTIS	NORWALK	1398	03	1	4262566	4084530	4262686	4087707
10	OAKMONT	NORWALK	1308	03	41	4257991	4078921	4257698	4077766	50	PIONEER	NORWALK	1397	08	1	4263231	4083355	4263233	4080064
11	OAKMONT	NORWALK	1308	04	41	4257696	4077768	4257870	4067030	51	PIONEER	NORWALK	1397	09	1	4263235	4080078	4262909	4078981
12	LEFLOSS	NORWALK	1429	01	41	4257440	4071868	4257410	4076444	52	PIONEER	NORWALK	1397	10	1	4262925	4078987	4263142	4067959
13	LEFLOSS	NORWALK	1429	02	41	4257426	4077196	4257420	4078181	53	CLARKMAN	NORWALK	1355	01	1	4264980	4078620	4263841	4076855
14	LEFLOSS	NORWALK	1429	03	41	4257469	4078608	4257457	4079711	54	CLARKMAN	NORWALK	1355	02	1	4263930	4067476	4263893	4071619
15	LEFLOSS	NORWALK	1429	04	41	4257286	4079707	4257256	4082190	55	CLARKMAN	NORWALK	1355	03	1	4263781	4071567	4263791	4073368
16	0.2W GRDL	NORWALK	2534	01	41	4259308	4067115	4259304	4067941	56	CLARKMAN	NORWALK	1355	04	1	4263873	4074515	4263849	4076895
17	ELMCROFT	NORWALK	1454	01	41	4259316	4068178	4259296	4070279	57	SN ANTNIO	NORWALK	1393	01	1	4262990	4076843	4266089	4081049
18	DALWOOD	NORWALK	1430	01	41	4258868	4071599	4258838	4072898	58	BMBARDIER	NORWALK	1496	01	1	4264871	4086744	4265365	4085796
19	DALWOOD	NORWALK	1430	02	41	4258840	4074160	4258802	4076558	59	BMBARDIER	NORWALK	1496	02	1	4265372	4085794	4264984	4084735
20	DALWOOD	NORWALK	1430	03	41	4258786	4075885	4258800	4077607	60	BMBARDIER	NORWALK	1496	03	1	4264986	4084739	4264102	4083957
21	DALWOOD	NORWALK	1430	04	41	4258836	4078706	4258798	4079623	61	BMBARDIER	NORWALK	1496	04	1	4264100	4083961	4264114	4082585
22	DALWOOD	NORWALK	1430	05	41	4258770	4079739	4258625	4082116	62	NORWALK	NORWALK	1392	04	1	4266123	4095707	4265922	4093932
23	MAIDSTONE	NORWALK	1507	01	41	4258852	4084245	4259312	4085172	63	NORWALK	NORWALK	1392	05	1	4265912	4093924	4265980	4086323
24	MAIDSTONE	NORWALK	1507	02	41	4259314	4085172	4259264	4089233	64	NORWALK	NORWALK	1392	06	1	4265982	4086327	4266032	4081087
25	MAIDSTONE	NORWALK	1507	03	41	4259264	4082338	4259308	4076827	65	NORWALK	NORWALK	1392	07	1	4265916	4077964	4266070	4067030
26	MAIDSTONE	NORWALK	1507	04	41	4259302	4076562	4259314	4074928	66	NORWALK	NORWALK	1392	08	1	4266197	4078353	4266625	4079053
27	ADELANTO	NORWALK	1306	01	41	4259688	4092967	4259720	4089718	67	ELAINE	NORWALK	1449	01	1	4264751	4067478	4264683	4070325
28	ADELANTO	NORWALK	1306	02	41	4259857	4087747	4259842	4085914	68	ELAINE	NORWALK	1449	02	1	4264520	4071605	4264478	4073396
29	GRAYSTONE	NORWALK	1412	01	41	4260300	4085619	4259117	4083624	69	ELAINE	NORWALK	1449	03	1	4264365	4073366	4264363	4076946
30	ORR \$ DA	NORWALK	1399	03	41	4260553	4087855	4260578	4081051	70	HORST	NORWALK	1508	01	1	4265223	4076956	4265293	4074555
31	GRIDLEY	NORWALK	1410	01	41	4260349	4081959	4260375	4079158	71	HORST	NORWALK	1508	02	1	4265229	4073412	4265249	4071639
32	GRIDLEY	NORWALK	1410	02	41	4260341	4076895	4260365	4075534	72	HORST	NORWALK	1508	03	1	4265317	4071645	4265394	4068956
33	GRIDLEY	NORWALK	1410	03	41	4260355	4075191	4260417	4071557	73	VOLUNTEER	NORWALK	1388	01	1	4267185	4084891	4267157	4081075
34	GRIDLEY	NORWALK	1410	04	41	4260425	4071370	4260457	4067520	74	VOLUNTEER	NORWALK	1388	02	1	4267167	4081067	4267910	4079472
35	GARD	NORWALK	1432	01	41	4261252	4068914	4261218	4070197	75									
36	GARD	NORWALK	1432	02	41	4261208	4071176	4261194	4074244	76									
37	GARD	NORWALK	1432	03	41	4261142	4075550	4261120	4076861	77									
38	GARD	NORWALK	1432	04	41	4261216	4077162	4261210	4079462	78									
39	MAIDSTONE	NORWALK	1507	01	41	4261471	4068879	4261459	4069788	79									
40	MAIDSTONE	NORWALK	1507	02	41	4261457	4069782	4261744	4070422	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0065.002 REVISION 2

TIME OF ENTRY - 21:40:04 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4268000 LOWER RIGHT = 4288000 LOWER LEFT = 4249500 UPPER LEFT = 4249500

MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20182 LOWER RIGHT = 20254 LOWER LEFT = 1124 UPPER LEFT = 1043

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 18335 LOWER RIGHT = 1128 LOWER LEFT = 1098 UPPER LEFT = 18251

NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	SILVERBOU	NORWALK	1459	01	41	4267149	4078133	4267466	4078895	41	2ND	BELLFLOWR	0265	04	9	4250779	4080263	4250805	4082316
2	SILVERBOU	NORWALK	1459	02	41	4267611	4079067	4268151	4080168	42	DUNROBIN	BELLFLOWR	0651	02	9	4251367	4076765	4251329	4078412
3	SILVERBOU	NORWALK	1459	03	41	4268151	4080150	4267946	4081287	43	DUNROBIN	BELLFLOWR	0651	03	9	4251500	4078414	4251452	4079659
4	CAMEO	NORWALK	1452	01	41	4267508	4071573	4267526	4072854	44	DUNROBIN	BELLFLOWR	0651	04	9	4251329	4079647	4251329	4082266
5	CAMEO	NORWALK	1452	02	41	4267535	4074248	4267518	4075105	45	CORNUTA	BELLFLOWR	0650	03	9	4251745	4069894	4251755	4073947
6	CAMEO	NORWALK	1452	03	41	4267412	4075830	4267368	4076917	46	CORNUTA	BELLFLOWR	0650	04	9	4251753	4073945	4251363	4074794
7	BLOOMFIEL	NORWALK	1409	02	41	4268669	4082021	4268424	4081283	47	CORNUTA	BELLFLOWR	0650	05	9	4251895	4075796	4251942	4076595
8	BLOOMFIEL	NORWALK	1409	03	41	4268428	4081277	4268460	4077712	48	CORNUTA	BELLFLOWR	0650	06	9	4252144	4077317	4252142	4079954
9	BLOOMFIEL	NORWALK	1409	04	41	4268655	4077391	4268703	4067121	49	CORNUTA	BELLFLOWR	0650	07	9	4251988	4079900	4251948	4083207
10	WILDER	NORWALK	1651	01	41	4269364	4071643	4269356	4072884	50	BIXBY	BELLFLOWR	1421	01	9	4251435	4066954	4251444	4069597
11	WILDER	NORWALK	1651	02	41	4269342	4073075	4269338	4074294	51	WOODRUFF	BELLFLOWR	0565	06	9	4252496	4066954	4252548	4073835
12	BECHARD	NORWALK	1461	01	41	4269216	4077730	4269157	4079623	52	WOODRUFF	BELLFLOWR	0565	07	9	4252554	4073835	4252705	4074561
13	GREENSTNE	NORWALK	1387	02	41	4270583	4076352	4270226	4080182	53	WOODRUFF	BELLFLOWR	0565	08	9	4252707	4074549	4252626	4080922
14	PAINTER	NORWALK	1380	04	41	4271846	4076619	4271800	4075193	54	CALIFORNA	BELLFLOWR	1422	01	9	4253211	4067594	4253221	4069012
15	DINARD	NORWALK	1462	01	41	4272529	4074764	4272628	4076988	55	CALIFORNA	BELLFLOWR	1422	02	9	4253219	4069014	4253171	4071525
16	AUTHURDLE	BELLFLOWR	1433	01	9	4251287	4078365	4252661	4078395	56	GRAND	BELLFLOWR	1423	01	9	4253860	4068837	4253817	4071579
17	AUTHURDLE	BELLFLOWR	1433	02	9	4252624	4078237	4254585	4078269	57	MCNAB	BELLFLOWR	1424	01	9	4253844	4071832	4253777	4076821
18	ROSECRANS	BELLFLOWR	0500	10	9	4249989	4076759	4260090	4076855	58	MCNAB	BELLFLOWR	1424	02	9	4253759	4077078	4253667	4079356
19	MAPLEWOOD	BELLFLOWR	1435	01	9	4250030	4076236	4251351	4075472	59	CHICAGO	BELLFLOWR	1426	01	9	4254474	4068833	4254454	4071505
20	MAPLEDALE	BELLFLOWR	1436	01	9	4251339	4075449	4254629	4075498	60	CARFAX	BELLFLOWR	1425	01	9	4254671	4072152	4254607	4075472
21	COMPTON	BELLFLOWR	0499	07	9	4250062	4074792	4254641	4074870	61	CARFAX	BELLFLOWR	1425	02	9	4254633	4076940	4254567	4078325
22	JEFFERSON	BELLFLOWR	1446	01	9	4250056	4073540	4250759	4073554	62	CARFAX	ROUTE 123	1425	57	0	4254567	4078325	4253841	4081328
23	HIGHDALE	BELLFLOWR	1447	01	9	4253797	4073769	4254685	4073777	63	0.3W SGRF	BELLFLOWR	2537	01	9	4255237	4067285	4255219	4068075
24	0.3N ALND	BELLFLOWR	2538	01	9	4252030	4073572	4253012	4073532	64	0.2E WDRF	DOWNEY	2505	01	6	4253902	4081759	4253904	4082820
25	BARNWALL	BELLFLOWR	1438	01	9	4253789	4072766	4254729	4072756	65	0.2N IMPR	DOWNEY	2506	01	6	4253311	4083626	4252223	4083636
26	ALONDRA	BELLFLOWR	0497	09	9	4249861	4072189	4253143	4072144	66	0.3W SGRF	DOWNEY	2507	01	6	4254956	4085557	4255715	4086506
27	ALONDRA	BELLFLOWR	0497	10	9	4253157	4072136	4254265	4071697	67	0.2S FLRN	DOWNEY	2508	01	6	4257473	4088998	4258149	4088716
28	ALONDRA	BELLFLOWR	0497	11	9	4254265	4071695	4255806	4071585	68	0.2E HSTY	DOWNEY	2509	01	6	4257055	4093364	4257569	4093733
29	TRABUCO	BELLFLOWR	1444	01	9	4252460	4071505	4254781	4071521	69	0.5E HSTY	DOWNEY	2510	01	6	4257714	4091778	4258344	4092157
30	BELMONT	BELLFLOWR	1445	01	9	4250040	4070085	4251239	4070073	70	0.3E PSSN	PCO RVERA	2511	01	4	4259389	4099311	4259603	4099954
31	MIDWAY	BELLFLOWR	1440	01	9	4252446	4070155	4254454	4070159	71	0.5S ORDY	NORWALK	2530	01	1	4261584	4085280	4262309	4085728
32	WALNUT	BELLFLOWR	1441	01	9	4249861	4068908	4254922	4068845	72	0.3S ORDY	NORWALK	2529	01	1	4260957	4086377	4261710	4086829
33	ARTESIA	MAYWOOD	1288	08	23	4250090	4067444	4252888	4067498	73	0.3S TLCR	LA COUNTY	2560	01	2	4276875	4087783	4277458	4088459
34	ARTESIA	BELLFLOWR	1288	09	9	4252916	4067476	4253952	4067770	74	0.5S TLCR	LA COUNTY	2561	01	2	4277938	4086825	4278585	4087661
35	ARTESIA	BELLFLOWR	1288	10	9	4253950	4067768	4256910	4067532	75									
36	BELLFLOWR	BELLFLOWR	1419	01	9	4250094	4066802	4250020	4076741	76									
37	BELLFLOWR	BELLFLOWR	1419	02	9	4250028	4076721	4250010	4088234	77									
38	EUCALYPTS	BELLFLOWR	1420	01	9	4251120	4070560	4251098	4074794	78									
39	COLDBROOK	BELLFLOWR	0652	02	9	4250877	4078999	4250883	4079663	79									
40	COLDBROOK	BELLFLOWR	0652	03	9	4250837	4079964	4250857	4080285	80									

03

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TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 10:00:00    DATE OF LAST UPDATE - 11-11-77    OPERATOR NAME - HANS-PIETER S
MAP X-COORDINATE DATA - UPPER RIGHT = 4289000 LOWER RIGHT = 4289000 LOWER LEFT = 4250000 UPPER LEFT = 4250000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 2101 LOWER RIGHT = 21271 LOWER LEFT = 1723 UPPER LEFT = 1571
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21645 LOWER RIGHT = 7673 LOWER LEFT = 7671 UPPER LEFT = 21127

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ARTESIA	BELLFLOWR	1331	03	19	4250109	4066665	4251135	4066622	41	0.2N CRSN	LAKEWOOD	2633	01	9	4261707	4051724	4262888	4052185
2	ARTESIA	BELLFLOWR	1331	04	19	4251123	4066638	4252055	4065958	42	CENTRALIA	LAKEWOOD	1532	02	9	4249978	4053833	4258094	4053923
3	ARTESIA	BELLFLOWR	1331	05	19	4252053	4065956	4257232	4066043	43	CENTRALIA	LAKEWOOD	1532	03	9	4258126	4053756	4258838	4053771
4	RAMONA	BELLFLOWR	1120	03	19	4249924	4066030	4251941	4065992	44	21TH	LAKEWOOD	1636	01	9	4260235	4053161	4261360	4053219
5	ROCKLEDGE	BELLFLOWR	1322	03	19	4249842	4065342	4252047	4065350	45	HARVEY	LAKEWOOD	1533	02	9	4250016	4052577	4257910	4052611
6	FELSON	BELLFLOWR	1619	01	19	4255189	4064542	4254275	4064514	46	HARVEY	LAKEWOOD	1533	03	9	4257914	4052607	4259010	4051886
7	FELSON	BELLFLOWR	1619	02	19	4254303	4064676	4253353	4064646	47	HARVEY	LAKEWOOD	1533	04	9	4259006	4051886	4259462	4051894
8	0.2N STDB	BELLFLOWR	2626	01	19	4257060	4065378	4258078	4065794	48	215TH	LAKEWOOD	1635	01	9	4260508	4051931	4262086	4051949
9	0.35 STDB	BELLFLOWR	2627	01	19	4257894	4063115	4258593	4063380	49	CARSON	LAKEWOOD	1022	11	9	4250046	4051236	4258946	4051250
10	KENWOOD	BELLFLOWR	1328	01	19	4258148	4061771	4259047	4062138	50	CARSON	LAKEWOOD	1022	12	9	4250946	4051250	4260628	4050935
11	0.45 SOTH	BELLFLOWR	2629	01	19	4258900	4058707	4259889	4059024	51	CARSON	LAKEWOOD	1022	13	9	4260630	4050933	4262597	4050943
12	0.75 SOTH	BELLFLOWR	2630	01	19	4259371	4057160	4260316	4057457	52	SN ANSELN	LAKEWOOD	1588	04	9	4251586	4051206	4251608	4052567
13	0.2E PLVD	BELLFLOWR	2640	01	19	4256318	4065451	4256320	4066438	53	DUNROBIN	LAKEWOOD	0651	05	9	4251376	4053813	4251273	4061163
14	0.3E PLVD	BELLFLOWR	2641	01	19	4256619	4062858	4256596	4063918	54	DUNROBIN	LAKEWOOD	0651	06	9	4251338	4061431	4251313	4064158
15	0.2N SOTH	BELLFLOWR	2642	01	19	4257513	4062011	4258325	4062017	55	WOODRUFF	LAKEWOOD	0565	12	9	4252723	4055785	4252510	4066749
16	0.35 SOTH	BELLFLOWR	2643	01	19	4257487	4059088	4258511	4059072	56	OCANA	LAKEWOOD	1585	07	9	4252707	4059002	4251737	4059806
17	0.6S SOTH	BELLFLOWR	2644	01	19	4257679	4057613	4258537	4057587	57	OCANA	LAKEWOOD	1585	08	9	4251739	4059810	4251678	4060988
18	SN GABRL	BELLFLOWR	1621	01	19	4256546	4060703	4256526	4062148	58	IBBETSON	LAKEWOOD	1620	01	9	4252172	4062228	4252081	4065673
19	SN GABRL	BELLFLOWR	1621	02	19	4256402	4062148	4256153	4063201	59	FAUST	LAKEWOOD	1592	01	9	4253449	4056239	4253308	4058327
20	SN GABRL	BELLFLOWR	1621	03	19	4256083	4063476	4255672	4065330	60	FAUST	LAKEWOOD	1592	02	9	4253172	4061096	4253076	4062206
21	ANDY	BELLFLOWR	1622	01	19	4255247	4062128	4256572	4062134	61	FAUST	LAKEWOOD	1592	03	9	4253519	4051172	4253497	4052585
22	HARST	BELLFLOWR	1598	01	19	4256052	4056889	4257658	4066711	62	GONDAR	LAKEWOOD	1587	02	9	4253854	4052549	4253866	4056521
23	SGR FWY	BELLFLOWR	0244	19	19	4259658	4058002	4257236	4066731	63	CARPINTERO	LAKEWOOD	1591	01	9	4253409	4063296	4253369	4065966
24	ASHWORTH	LAKEWOOD	1576	02	29	4249890	4064156	4252585	4064168	64	CARFAX	LAKEWOOD	1425	07	9	4254948	4051182	4254926	4053857
25	ALLINGTON	LAKEWOOD	1577	01	29	4250135	4063273	4258060	4063390	65	CARFAX	LAKEWOOD	1425	08	9	4254938	4055139	4254892	4056604
26	ARABELLA	LAKEWOOD	1593	01	29	4252641	4062222	4253625	4062242	66	TURNER	LAKEWOOD	1590	01	9	4255217	4056574	4254892	4057216
27	SOUTH	LAKEWOOD	1136	04	29	4249950	4061347	4250949	4061343	67	TURNER	LAKEWOOD	1590	02	9	4254892	4057214	4253810	4058715
28	SOUTH	LAKEWOOD	1136	05	29	4250943	4061341	4252565	4060619	68									
29	SOUTH	LAKEWOOD	1136	06	29	4252567	4060617	4259022	4060755	69									
30	MICHELSON	LAKEWOOD	1623	01	29	4255279	4059782	4256845	4059858	70									
31	CNDLEWOOD	LAKEWOOD	1141	04	29	4249980	4058931	4257022	4058899	71									
32	HARDWICK	LAKEWOOD	1146	05	29	4249974	4057902	4253880	4058028	72									
33	EBERLE	LAKEWOOD	1640	01	29	4257535	4057001	4256456	4057579	73									
34	EBERLE	LAKEWOOD	1640	02	29	4256454	4057577	4255181	4057487	74									
35	DEL AMO	LAKEWOOD	1069	09	29	4249974	4056584	4255522	4056596	75									
36	DEL AMO	LAKEWOOD	1069	10	29	4255514	4056588	4260073	4056241	76									
37	ARBOR	LAKEWOOD	1266	04	29	4250006	4055097	4257136	4055231	77									
38	ARBOR	LAKEWOOD	1266	05	29	4257102	4055235	4257507	4055611	78									
39	0.5N CRSN	LAKEWOOD	2631	01	29	4260628	4054768	4261232	4055017	79									
40	0.5N CRSN	LAKEWOOD	2632	01	29	4260981	4053411	4261946	4053779	80									

TIME OF ENTRY - 10:05:04 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4289000 LOWER RIGHT = 4289000 LOWER LEFT = 4250000 UPPER LEFT = 4250000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21101 LOWER RIGHT = 21271 LOWER LEFT = 1723 UPPER LEFT = 1571
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21645 LOWER RIGHT = 7673 LOWER LEFT = 7671 UPPER LEFT = 21127

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	CANEHILL	LAKEWOOD	1589	01	29	4254429	4059192	4254313	4066006	41	PARKVALE	CERRITOS	1663	01	2	4275441	4062942	4276257	4063661
2	CARFAX	LAKEWOOD	1425	17	29	4255189	4057469	4254553	4058799	42	MAURICE	CERRITOS	1665	01	2	4271303	4066251	4271295	4066901
3	PALO VERD	LAKEWOOD	1581	03	29	4255452	4053171	4255227	4063312	43	JEFFRY	CERRITOS	1657	01	2	4271601	4064999	4271569	4066125
4	PALO VERD	LAKEWOOD	1581	04	29	4255223	4063316	4255137	4066803	44	PIRES	CERRITOS	1666	01	2	4272720	4066279	4272718	4066957
5	KNOXVILLE	LAKEWOOD	1595	03	29	4256590	4051158	4256568	4053588	45	MARTHA	CERRITOS	1655	01	2	4273318	4064092	4273350	4064794
6	KNOXVILLE	LAKEWOOD	1595	04	29	4256562	4053881	4256564	4055753	46	MARTHA	CERRITOS	1655	02	2	4273328	4065049	4273340	4066309
7	KNOXVILLE	LAKEWOOD	1595	05	29	4256502	4057515	4256679	4058879	47	CARMINITA	CERRITOS	1336	01	2	4274003	4063416	4273933	4066939
8	KNOXVILLE	LAKEWOOD	1595	06	29	4256675	4058979	4256556	4059838	48	STOWERS	CERRITOS	1646	02	2	4275258	4066953	4275288	4066335
9	MONOGRAM	LAKEWOOD	1597	03	29	4257118	4051184	4257092	4052603	49	TELEGRAPH	CERRITOS	1346	03	2	4275297	4065075	4275349	4063203
10	MONOGRAM	LAKEWOOD	1597	04	29	4257102	4053853	4257100	4055193	50	MARQUARDT	CERRITOS	1335	01	2	4276672	4061614	4276562	4066972
11	SHAGWAY	LAKEWOOD	1598	01	29	4258120	4052488	4258102	4054687	51	VIERRA	CERRITOS	1654	01	2	4276748	4063839	4277241	4063837
12	STEVELY	LAKEWOOD	1584	05	29	4257647	4036513	4257080	4058863	52	VIERRA	CERRITOS	1654	02	2	4277243	4063843	4277751	4064726
13	STEVELY	LAKEWOOD	1584	06	29	4257026	4059054	4256739	4060360	53	VIERRA	CERRITOS	1654	03	2	4277747	4064724	4277743	4066199
14	LONGWORTH	LAKEWOOD	1406	03	29	4260522	4051904	4260199	4053367	54	FABRICA	CERRITOS	1667	01	2	4278625	4065296	4278589	4066406
15	LONGWORTH	LAKEWOOD	1406	04	29	4260255	4053618	4259822	4054675	55	O.3W VLVW	CERRITOS	2677	01	2	4278029	4063342	4278027	4064054
16	HORST	LAKEWOOD	1508	09	29	4259522	4054671	4258066	4056881	56	O.3W ORTH	CERRITOS	2674	01	2	4275166	4061740	4275491	4062435
17	GRIDLEY	LAKEWOOD	1410	05	29	4260715	4053163	4260658	4054848	57	FRESCA	CERRITOS	1660	01	2	4276672	4062037	4277440	4062453
18	HARVEST	LAKEWOOD	1639	01	29	4260656	4054673	4260211	4055576	58	FRESCA	CERRITOS	1660	02	2	4277438	4062467	4279371	4062515
19	HARVEST	LAKEWOOD	1639	02	29	4260205	4055580	4259409	4055986	59	O.2W VLVW	CERRITOS	2676	01	2	4278123	4061989	4278077	4062950
20	NECTAR	LAKEWOOD	1637	01	29	4261944	4051937	4261232	4053496	60	O.2S ARTS	CERRITOS	2673	01	2	4270406	4064877	4271227	4065966
21	SGR FWY	LAKEWOOD	0244	18	29	4263556	4048686	4259602	4058010	61	ARTESIA	BUENA PRK	1331	02	1	4279270	4066412	4287735	4066568
22	ARTESIA	LAKEWOOD	1288	04	29	4272790	4063972	4273907	4063512	62	SANTA ANA	BUENA PRK	0123	25	1	4284415	4067010	4285828	4065587
23	ARTESIA	LAKEWOOD	1288	05	29	4272790	4063972	4273907	4063512	63	SANTA ANA	BUENA PRK	0123	26	1	4285834	4065585	4287797	4064540
24	ARTESIA	LAKEWOOD	1288	06	29	4273917	4063518	4274384	4062706	64	AL'TURA	BUENA PRK	1670	01	1	4280614	4065561	4282482	4066022
25	ARTESIA	LAKEWOOD	1288	07	29	4274378	4062714	4280046	4060111	65	AL'TURA	BUENA PRK	1670	02	1	4282482	4066022	4282464	4066510
26	ARTESIA	LAKEWOOD	1331	01	29	4269771	4066251	4279284	4066420	66	8TH	BUENA PRK	1674	01	1	4283286	4064158	4284658	4064196
27	ACORD	LAKEWOOD	1664	01	29	4275940	4065740	4276582	4065774	67									
28	ACORD	LAKEWOOD	1664	02	29	4276578	4065764	4277726	4065788	68									
29	ROSE	LAKEWOOD	1656	01	29	4271577	4065003	4275274	4065075	69									
30	ASHWORTH	LAKEWOOD	1576	03	29	4277823	4064638	4276606	4064598	70									
31	ASHWORTH	LAKEWOOD	1576	04	29	4276449	4064827	4275531	4064823	71									
32	ASHWORTH	LAKEWOOD	1576	05	29	4275545	4064582	4274811	4064578	72									
33	ASHWORTH	CERRITOS	1576	06	32	4274599	4064590	4273332	4064516	73									
34	SULTON	CERRITOS	1658	01	32	4271585	4065017	4272686	4064213	74									
35	SULTON	CERRITOS	1658	02	32	4272684	4064213	4273999	4064028	75									
36	O.3N 183	CERRITOS	2678	01	32	4278915	4065091	4279739	4065075	76									
37	183RD	CERRITOS	1659	01	32	4281975	4063807	4273823	4063615	77									
38	HEATHER	CERRITOS	1661	01	32	4275218	4062553	4275206	4063448	78									
39	DARVALLE	CERRITOS	1662	01	32	4275196	4062581	4276129	4062467	79									
40	DARVALLE	CERRITOS	1662	02	32	4276129	4062473	4276441	4062940	80									

FILE NAME CS0068.002 REVISION 2

TIME OF ENTRY - 10:25:04 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4289000 LOWER RIGHT = 4289000 LOWER LEFT = 4250000 UPPER LEFT = 4250000

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MAP X-COORDINATE DATA - UPPER RIGHT = 4285000 LOWER RIGHT = 4285000 LOWER LEFT = 4285000 UPPER LEFT = 4285000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4067000
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CURSOR X-COORDINATE DATA - UPPER RIGHT = 2:101 LOWER RIGHT = 21271 LOWER LEFT = 1723 UPPER LEFT = 1571

CURSOR X-COORDINATE DATA - UPPER RIGHT = 2:101 LOWER RIGHT = 2127 LOWER LEFT = 7671 UPPER LEFT = 21127
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 2:645 LOWER RIGHT = 7673 LOWER LEFT = 7671 UPPER LEFT = 21127

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	INDUSTRY	BUENA PRK	1653	04	31	4281756	4066464	4281883	4067036	41	MONLACO	LNG BEACH	1538	02	2	4250096	4047472	4255538	4047522
2	INDUSTRY	BUENA PRK	1653	05	31	4280371	4066408	4280363	4067020	42	MONLACO	LNG BEACH	1538	03	2	4256107	4047578	4258094	4047544
3	DECANSO	BUENA PRK	1668	01	31	4280606	4063775	4280574	4065553	43	KEYNOTE	LNG BEACH	1578	01	2	4258186	4047789	4259961	4047795
4	REGIO	BUENA PRK	1669	01	31	4281959	4063811	4281911	4065876	44	E WARDLOW	LNG BEACH	1165	04	2	4250042	4046242	4261384	4046336
5	0.3N 183	BUENA PRK	2679	01	31	4280239	4065206	4280952	4065260	45	E WARDLOW	LNG BEACH	1165	05	2	4261366	4046344	4262878	4045909
6	0.2W KNO	BUENA PRK	2680	01	31	4283481	4066002	4283469	4066988	46	E WARDLOW	LNG BEACH	1165	06	2	4262880	4045909	4263706	4045897
7	0.3S ARTS	BUENA PRK	2681	01	31	4284862	4065186	4285016	4065208	47	MEZZANINE	LNG BEACH	1539	02	2	4250127	4044944	4252913	4044966
8	0.2S ARTS	BUENA PRK	2682	01	31	4285766	4064997	4286157	4065669	48	MEZZANINE	LNG BEACH	1539	03	2	4258148	4044799	4260276	4044807
9	0.3S ARTS	BUENA PRK	2683	01	31	4286155	4065665	4286566	4066285	49	MEZZ	LNG BEACH	1579	01	2	4254477	4045405	4255107	4044962
10	0.3W KNO	BUENA PRK	2684	01	31	4283048	4062310	4283010	4063265	50	MEZZ	LNG BEACH	1579	02	2	4255107	4044960	4257142	4044974
11	0.6W KNO	BUENA PRK	2675	01	31	4281584	4059708	4281610	4060216	51	SPRING	LNG BEACH	1171	10	2	4250127	4043230	4258233	4043270
12	9TH	BUENA PRK	1332	01	31	4284501	4063510	4287839	4063554	52	SPRING	LNG BEACH	1171	11	2	4258229	4043274	4263590	4043294
13	MELROSE	BUENA PRK	1285	02	31	4284644	4062264	4287338	4062306	53	OAKBROOK	LNG BEACH	1612	01	2	4254690	4040718	4253565	4041635
14	MELROSE	BUENA PRK	1285	03	31	4287290	4062039	4287775	4062062	54	OAKBROOK	LNG BEACH	1612	02	2	4253292	4042028	4252601	4042901
15	CABALLERO	BUENA PRK	1671	01	31	4282065	4063743	4282609	4062716	55	OAKBROOK	LNG BEACH	1612	03	2	4252601	4042901	4251722	4042969
16	CABALLERO	BUENA PRK	1671	02	31	4282607	4062720	4284660	4062728	56	BENMORE	LNG BEACH	1618	01	2	4253687	4042450	4254403	4042450
17	SANBORG	BUENA PRK	1672	01	31	4282813	4061130	4282765	4062178	57	BARRIOS	LNG BEACH	1617	01	2	4256645	4041964	4258249	4041966
18	ORNGETHRP	BUENA PRK	1286	02	31	4277937	4061036	4287735	4061259	58	DEBORAH	LNG BEACH	1611	01	2	4253555	4041027	4252138	4041037
19	FLAMINGO	BUENA PRK	1675	01	31	4282047	4060324	4280441	4060296	59	DEBORAH	LNG BEACH	1611	02	2	4252136	4041031	4251610	4041585
20	FLAMINGO	BUENA PRK	1675	02	31	4280461	4060288	4279735	4060587	60	DEBORAH	LNG BEACH	1611	03	2	4251602	4041583	4250375	4041605
21	VALLEY VU	BUENA PRK	1334	01	31	4279363	40604												

FILE NAME CS0069.002 REVISION 2

TIME OF ENTRY - 10:45:00 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4289000 LOWER RIGHT = 4289000 LOWER LEFT = 4250000 UPPER LEFT = 4250000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21015 LOWER RIGHT = 21051 LOWER LEFT = 1492 UPPER LEFT = 1489
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21643 LOWER RIGHT = 7656 LOWER LEFT = 7868 UPPER LEFT = 21310

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	SN ANSELM	LNG BEACH	1586	01	12	4251431	4043278	4251493	4045242	41	0.3S CRSN	LNG BEACH	2647	01	2	4261712	4049304	4260869	4049288
2	SN ANSELM	LNG BEACH	1588	02	12	4251495	4045244	4251715	4046234	42									
3	SN ANSELM	LNG BEACH	1588	03	12	4251725	4046234	4251667	4050465	43									
4	OCANA	LNG BEACH	1565	06	12	4251990	4043282	4252016	4044435	44									
5	WOODRUFF	LNG BEACH	0565	09	12	4253597	4040140	4253589	4043689	45									
6	WOODRUFF	LNG BEACH	0565	10	12	4253589	4043693	4252987	4044861	46									
7	WOODRUFF	LNG BEACH	0565	11	12	4252957	4044909	4252889	4055804	47									
8	LS COYOTE	LNG BEACH	1543	03	12	4250899	4040548	4251924	4041582	48									
9	LS COYOTE	LNG BEACH	1543	04	12	4251922	4041578	4252889	4043611	49									
10	LS COYOTE	LNG BEACH	1543	05	12	4252889	4043607	4253886	4044483	50									
11	LS COYOTE	LNG BEACH	1543	06	12	4253888	4044485	4258123	4050250	51									
12	LS COYOTE	LNG BEACH	1543	07	12	4258129	4050252	4258354	4051164	52									
13	FANWOOD	LNG BEACH	1586	03	12	4253146	4040990	4253154	4042103	53									
14	SNOWDEN	LNG BEACH	1613	01	12	4254406	4041420	4254416	4043227	54									
15	SNOWDEN	LNG BEACH	1613	02	12	4254604	4043280	4254592	4043836	55									
16	CARFAX	LNG BEACH	1425	15	12	4255060	4043850	4255070	4044644	56									
17	CARFAX	LNG BEACH	1425	16	12	4255068	4044642	4254626	4045019	57									
18	CARFAX	LNG BEACH	1425	04	12	4255268	4046620	4255060	4047016	58									
19	CARFAX	LNG BEACH	1425	05	12	4255060	4047014	4255017	4048532	59									
20	PALO VERD	LNG BEACH	1581	02	12	4255639	4042360	4255593	4053182	60									
21	JOSIE	LNG BEACH	1596	01	12	4256388	4044539	4256386	4047504	61									
22	KNOXVILLE	LNG BEACH	1595	02	12	4256717	4049579	4256692	4050376	62									
23	STUDEBOKER	LNG BEACH	1408	08	12	4258251	4043157	4258151	4050276	63									
24	KAREN	LNG BEACH	1583	01	12	4259387	4043193	4259310	4049484	64									
25	STEVELY	LNG BEACH	1584	01	12	4260380	4043153	4260197	4046238	65									
26	STEVELY	LNG BEACH	1584	02	12	4260199	4046234	4259768	4049898	66									
27	DOVEY	LNG BEACH	1582	01	12	4261246	4048482	4261218	4050850	67									
28	SGR FWY	LNG BEACH	0244</																

PAGE 7

TIME OF ENTRY - 11:00:00 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4289000 LOWER RIGHT = 4289000 LOWER LEFT = 4250000 UPPER LEFT = 4250000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4050000 LOWER RIGHT = 4022040 LOWER LEFT = 4022040 UPPER LEFT = 4050000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20957 LOWER RIGHT = 20882 LOWER LEFT = 1331 UPPER LEFT = 1398
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14898 LOWER RIGHT = 413 LOWER LEFT = 750 UPPER LEFT = 15202

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	SAN DIEGO	LNG BEACH	1024	S0	2	4250237	4040713	4253361	4040634	41	COLORADO	LNG BEACH	1198	04	2	4256116	4029287	4257600	4029275
2	SAN DIEGO	LNG BEACH	1024	22	2	4253361	4040634	4260103	4034629	42	VISTA	LNG BEACH	1199	06	2	4254668	4028985	4256523	4028451
3	LOS ARCOS	LNG BEACH	1609	01	2	4254301	4039773	4252637	4039823	43	15"	LNG BEACH	1632	04	2	4259864	4027745	4259038	4027724
4	LOS ARCOS	LNG BEACH	1609	02	2	4252645	4039833	4251911	4039193	44	2ND	LNG BEACH	1549	03	2	4250107	4024810	4252433	4024361
5	LOS ARCOS	LNG BEACH	1609	03	2	4258342	4039647	4257231	4039666	45	2ND	LNG BEACH	1549	04	2	4252441	4024357	4256389	4025485
6	23RD	LNG BEACH	1610	01	2	4250439	4039448	4252120	4039628	46	2ND	LNG BEACH	1549	05	2	4256393	4025495	4260466	4025495
7	STEARNS	LNG BEACH	1181	03	2	4250251	4038409	4254789	4038314	47	APP IAN	LNG BEACH	1548	03	2	4250227	4026515	4253503	4023048
8	STEARNS	LNG BEACH	1181	04	2	4254793	4038316	4256196	4038097	48	TOLEDO	LNG BEACH	1550	03	2	4250105	4023808	4252330	4023338
9	STEARNS	LNG BEACH	1181	05	2	4256204	4038099	4260708	4038156	49	TOLEDO	LNG BEACH	1550	04	2	4252334	4023334	4252996	4023591
10	LS SANTOS	LNG BEACH	1600	03	2	4251235	4036116	4252575	4037378	50	RAVENNA	LNG BEACH	1634	01	2	4250863	4023885	4251047	4024696
11	LS SANTOS	LNG BEACH	1600	04	2	4252575	4037378	4253692	4037339	51	RAVENNA	LNG BEACH	1634	02	2	4251045	4024702	4251486	4025160
12	LS SANTOS	LNG BEACH	1600	05	2	4253678	4037347	4254312	4037084	52	FLINT	LNG BEACH	1616	01	2	4251063	4028494	4251071	4031090
13	LS SANTOS	LNG BEACH	1600	06	2	4254310	4037088	4256022	4037033	53	BRYANT	LNG BEACH	1615	01	2	4250612	4032740	4250608	4034522
14	LS SANTOS	LNG BEACH	1600	07	2	4256026	4037041	4256616	4037540	54	BELLFLOWER	LNG BEACH	1419	03	2	4251612	4031075	4251306	4031906
15	LS SANTOS	LNG BEACH	1600	01	2	4260215	4036859	4257813	4036999	55	BELLFLOWER	LNG BEACH	1419	04	2	4251286	4031918	4251252	4034710
16	LS SANTOS	LNG BEACH	1600	02	2	4257809	4037002	4257217	4037614	56	BELLFLOWER	LNG BEACH	1419	05	2	4251256	4034710	4250455	4036308
17	RENDINA	LNG BEACH	1608	01	2	4255633	4035122	4256758	4035095	57	BELLFLOWER	LNG BEACH	1419	09	2	4251643	4029163	4251622	4031115
18	DRISCOLL	LNG BEACH	1601	01	2	4259156	4034269	4257933	4034803	58	BELLFLOWER	LNG BEACH	1419	06	2	4250471	4036300	4250259	4046368
19	ATHERTON	LNG BEACH	1545	04	2	4250201	4035801	4259563	4035729	59	BELLFLOWER	LNG BEACH	1419	07	2	4250255	4046364	4250536	4049924
20	MANTOVA	LNG BEACH	1602	01	2	4258797	4033452	4257512	4033992	60	MARINA	LNG BEACH	1633	01	2	4254789	4022187	4255842	4022910
21	DE LEON	LNG BEACH	1607	01	2	4256724	4034091	4255671	4034064	61	MARINA	LNG BEACH	1633	02	2	4255817	4022910	4254017	4024806
22	EL PARQUE	LNG BEACH	1546	03	2	4251017	4034271	4250197	4034278	62	MARINA	LNG BEACH	1633	03	2	4253453	4024791	4253068	4025240
23	STATE UNV	LNG BEACH	1580	F0	2	4251262	4033452	4253503	4033417	63	MARINA	LNG BEACH	1633	04	2	4253052	4025267	4252880	4025145
24	STATE UNV	LNG BEACH	1580	02	2	4254502	4033292	4255669	4033257	64	MARINA	LNG BEACH	1633	05	2	4252872	4025131	4252054	4025996
25	ANAHEIM	LNG BEACH	1553	04	2	4255645	4033261	4258727	4033238	65	MARINA	LNG BEACH	1633	06	2	4251753	4026335	4250185	4028020
26	BIXBY HIL	LNG BEACH	1629	01	2	4250179	4032928	4251296	4032529	66									
27	ANAHEIM	LNG BEACH	1553	05	2	4251322	4032495	4250199	4032922	67									
28	9TH	LNG BEACH	1603	01	2	4258446	4032564	4257251	4032576	68									
29	HILLSIDE	LNG BEACH	1630	01	2	4254739	4031943	4255571	4031129	69									
30	RANCHO	LNG BEACH	1631	01	2	4255569	4031135	4256365	4031407	70									
31	PC HIGHW	LNG BEACH	1017	11	2	4250205	4031984	4252278	4030111	71									
32	PC HIGHW	LNG BEACH	1017	12	2	4252280	4030109	4253658	4026292	72									
33	PC HIGHW	LNG BEACH	1017	13	2	4253658	4026292	4255998	4023291	73									
34	PC HIGHW	LNG BEACH	1017	14	2	4255998	4023289	4256269	4022214	74									
35	7TH	LNG BEACH	1194	04	2	4250215	4031119	4254183	4031042	75									
36	7TH	LNG BEACH	1194	05	2	4254189	4031040	4255304	4030680	76									
37	7TH	LNG BEACH	1194	06	2	4255308	4030680	4258873	4030684	77									
38	4TH	LNG BEACH	1196	05	2	4250139	4029825	4251643	4029831	78									
39	4TH	LNG BEACH	1196	06	2	4255039	4029759	4256722	4029871	79									
40	COLORADO	LNG BEACH	1198	03	2	4250171	4029196	4252641	4029159	80									

FILE NAME CS0071.002 REVISION 2

TIME OF ENTRY - 11:25:04 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 42690000 LOWER RIGHT = 42890000 LOWER LEFT = 42500000 UPPER LEFT = 42500000

MAP X-COORDINATE DATA = UPPER RIGHT = 4285000 LOWER RIGHT = 4285000 LOWER LEFT = 4285000 UPPER LEFT = 4285000
MAP Y-COORDINATE DATA = UPPER RIGHT = 4050000 LOWER RIGHT = 4022040 LOWER LEFT = 4022040 UPPER LEFT = 4050000

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CURSOR X-COORDINATE DATA - UPPER RIGHT = 4038000 LOWER RIGHT = 4022000 LOWER LEFT = 1331 UPPER LEFT = 1398

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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14898 LOWER RIGHT = 413 LOWER LEFT = 750 UPPER LEFT = 15202

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	STUDEBKER	LNG BEACH	1408	11	12	4255525	4023247	4255817	4023527	41	FANWOOD	LNG BEACH	1586	01	2	4253177	4035778	4253201	4037399
2	1ST	LNG BEACH	1632	03	12	4259888	4025894	4259864	4027730	42	FANWOOD	LNG BEACH	1586	02	2	4253217	4037753	4253213	4039545
3	1ST	LNG BEACH	1632	02	12	4259872	4027737	4259062	4027757	43	0.3E OCNA	LNG BEACH	2655	01	2	4253229	4040810	4253245	4040216
4	MARGO	LNG BEACH	1605	01	12	4255051	4028879	4255049	4029751	44	0.3S STRN	LNG BEACH	2656	01	2	4250977	4037066	4250139	4037030
5	MARGO	LNG BEACH	1605	02	12	4255031	4029761	4254382	4030612	45	0.3S STRN	LNG BEACH	2657	01	2	4256995	4036944	4257546	4037364
6	SILVERA	LNG BEACH	1604	01	12	4256104	4028587	4256198	4029980	46	0.2W PLVD	LNG BEACH	2658	01	2	4254462	4036126	4254486	4035277
7	SILVERA	LNG BEACH	1604	02	12	4256182	4029980	4255916	4030643	47	0.2S ATHT	LNG BEACH	2659	01	2	4251713	4034714	4251015	4034739
8	PALO VERD	LNG BEACH	1581	01	12	4255645	4031949	4255755	4042582	48	0.2N 7TH	LNG BEACH	2660	01	2	4252988	4032278	4257756	4032243
9	E CAMPUS	LNG BEACH	1606	01	12	4254398	4030628	4254586	4034079	49	0.2N 7TH	LNG BEACH	2661	01	2	4254153	4032112	4254963	4032102
10	W CAMPUS	LNG BEACH	1627	01	12	4253363	4031080	4253457	4033466	50	0.3S 7TH	LNG BEACH	2662	01	2	4256800	4029285	4257598	4029270
11	MERIAM	LNG BEACH	1628	01	12	4253423	4034288	4253439	4035815	51	0.6S 7TH	LNG BEACH	2663	01	2	4256602	4027929	4257392	4027913
12	DORM	LNG BEACH	1626	01	12	4251582	4033472	4252368	4034687	52	0.8S 7TH	LNG BEACH	2664	01	2	4256401	4026687	4257321	4026671
13	DORM	LNG BEACH	1626	02	12	4252368	4034675	4252627	4034505	53	0.3E STDB	LNG BEACH	2665	01	2	4250661	4025965	4250597	4025046
14	DORM	LNG BEACH	1626	03	12	4252633	4034518	4252635	4035784	54	0.1E STDB	LNG BEACH	2666	01	2	4257554	4025994	4257508	4025004
15	JOSIE	LNG BEACH	1596	02	12	4256353	4033990	4256451	4035149	55	0.2E PFCT	LNG BEACH	2667	01	2	4255719	4024841	4255342	4025692
16	JOSIE	LNG BEACH	1596	03	12	4256593	4035772	4256551	4037227	56	0.3N WMS	LNG BEACH	2624	01	2	4259335	4026836	4260295	4026834
17	JOSIE	LNG BEACH	1596	04	12	4256549	4037211	4255721	4037645	57	0.2S WSMN	LNG BEACH	2668	01	2	4255619	4024230	4255186	4023860
18	JOSIE	LNG BEACH	1596	04	12	4256589	4038359	4256573	4039295	58	0.3S WSMN	LNG BEACH	2669	01	2	4255094	4024143	4254506	4023756
19	JOSIE	LNG BEACH	1596	06	12	4256577	4039299	4255767	4039846	59	0.7S CLRD	LNG BEACH	2670	01	2	4254308	4026162	4253461	4025623
20	VUELTA GR	LNG BEACH	1594	01	12	4257285	4037602	4257221	4039570	60	0.4S CLRD	LNG BEACH	2671	01	2	4253566	4027300	4252962	4027078
21	VUELTA GR	LNG BEACH	1594	02	12	4257223	4039583	4255924	4040692	61	0.2S CLRD	LNG BEACH	2672	01	2	4253241	4028550	4252368	4028205
22	VUELTA GR	LNG BEACH	1594	03	12	4257219	4034097	4257267	4036732	62	0.3W APWY	LNG BEACH	2625	01	2	4251314	4023197	4251398	4024077
23	STUDEBKER	LNG BEACH	1408	05	12	4256840	4025468	4257353	4033717	63	15"	LNG BEACH	1632	01	2	4258974	4024208	4258976	4025064
24	STUDEBKER	LNG BEACH	1408	06	12	4257341	4033708	4258356	4035623	64									
25	STUDEBKER	LNG BEACH	1408	07	12	4258356	4035623	4258432	4043385	65									
26	STEVELY	LNG BEACH	1584	07	12	4258212	4031367	4258384	4032410	66									
27	STEVELY	LNG BEACH	1584	08	12	4258384	4032410	4259427	4035019	67									
28	STEVELY	LNG BEACH	1584	09	12	4259836	4035911	4260682	4038121	68									
29	VOLK	LNG BEACH	1599	01	12	4259036	4035733	4259627	4037374	69									
30	VOLK	LNG BEACH	1599	02	12	4259619	4037376	4259688	4038380	70									
31	SGR FWY	LNG BEACH	0244	16	12	4262054	4038188	4263889	4041137	71									
32	MONOGRAM	LNG BEACH	1597	01	12	4257293	4039889	4257281	4043766	72									
33	MONOGRAM	LNG BEACH	1597	02	12	4257368	4044565	4257366	4048585	73									
34	KNOXVILLE	LNG BEACH	1595	01	12	4256734	4040135	4256722	4043961	74									
35	CARFAX	LNG BEACH	1425	09	12	4255057	4035894	4255094	4036552	75									
36	CARFAX	LNG BEACH	1425	10	12	4255352	4036571	4255348	4037699	76									
37	CARFAX	LNG BEACH	1425	11	12	4255346	4037699	4254781	4038030	77									
38	CARFAX	LNG BEACH	1425	12	12	4254757	4038270	4254747	4038987	78									
39	CARFAX	LNG BEACH	1425	13	12	4254759	4038987	4255396	4039666	79									
40	CARFAX	LNG BEACH	1425	14	12	4255396	4039661	4255414	4040255	80									

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TIME OF ENTRY - 17:30:00 \ DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112880 LOWER RIGHT = 4096800 LOWER LEFT = 4096800 UPPER LEFT = 4112880
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20039 LOWER RIGHT = 20081 LOWER LEFT = 941 UPPER LEFT = 950
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21022 LOWER RIGHT = 12822 LOWER LEFT = 12821 UPPER LEFT = 21032

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NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY NO	S'TREET	CITY	S'' SEG CY	STARTX	STARTY	ENDX	ENDY
1	ORANGEGRV	LA COUNTY	1338	01	02	4268459	4112488	4270343	4110949	41					
2	FLORAL	LA COUNTY	1339	01	02	4267515	4111942	4270173	4109817	42					
3	ORCHARD	LA COUNTY	1340	01	02	4268099	4110146	4269055	4109366	43					
4	HOLBROOK	LA COUNTY	0617	04	02	4267025	4109133	4268135	4108276	44					
5	BEXLEY	LA COUNTY	0616	04	02	4266562	4108234	4267473	4107457	45					
6	REICHLING	LA COUNTY	0615	04	02	4266439	4107637	4267130	4107055	46					
7	MINES	LA COUNTY	0277	04	02	4265215	4107212	4266419	4106206	47					
8	BALFOUR	LA COUNTY	0612	02	02	4265152	4105616	4265628	4105226	48					
9	SARAGOSA	LA COUNTY	1341	01	02	4264191	4105083	4265022	4104510	49					
10	WASHINGTON	LA COUNTY	0106	17	02	4263657	4103237	4265652	4102720	50					
11	BENAVON	LA COUNTY	1344	01	02	4264107	4102383	4265016	4101870	51					
12	ABOTSFORD	LA COUNTY	1342	01	02	4264560	4101525	4265273	4101304	52					
13	AEDLIAN	LA COUNTY	1343	01	02	4264095	4101002	4266624	4100456	53					
14	SLAUSON	LA COUNTY	0509	15	02	4262736	4100881	4265753	4100039	54					
15	SLAUSON	LA COUNTY	0509	16	02	4265743	4100039	4266682	4099886	55					
16	RIVERA	LA COUNTY	0599	03	02	4262485	4100201	4264976	4099441	56					
17	RIVERA	LA COUNTY	0599	04	02	4264984	4099434	4266676	4099449	57					
18	REDMAN	LA COUNTY	1390	01	02	4266825	4108381	4267561	4109631	58					
19	REDMAN	LA COUNTY	1390	02	02	4267692	4109615	4268812	4110892	59					
20	ADELLE	LA COUNTY	1391	01	02	4268776	4111448	4269675	4112496	60					
21	NORWALK	LA COUNTY	1392	01	02	4271640	4112535	4264932	4104545	61					
22	NORWALK	LA COUNTY	1392	02	02	4264934	4104547	4266425	4101130	62					
23	NORWALK	LA COUNTY	1392	03	02	4266425	4101131	4266702	4099986	63					
24	PIONEER	LA COUNTY	1397	01	02	4264588	4104803	4264071	4103127	64					
25	PIONEER	LA COUNTY	1397	02	02	4264073	4103123	4262969	4100528	65					
26	MILLERGRVE	LA COUNTY	1394	01	02	4264940	4102923	4263920	4100520	66					
27	MILLERGRVE	LA COUNTY	1394	02	02	4263942	4100515	4263725	4099835	67					
28	VICKI	LA COUNTY	1395	01	02	4264807	4101449	4264323	4099647	68					
29	DECOSTA	LA COUNTY	1396	01	02	4265538	4101408	4265315	4100146	69					
30	O.2S SRGS	LA COUNTY	2524	01	02	4264890	4103433	4265692	4103713	70					
31	O.5S SRGS	LA COUNTY	2525	01	02	4265518	4102017	4266351	4102363	71					
32	O.2N SLSM	LA COUNTY	2521	01	02	4263557	4101842	4263001	4102060						

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME C50074.001 REVISION 1

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 25-MAY-77 OPERATOR NAME - HAYS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4153000 LOWER LEFT = 4112000 UPPER LEFT = 4153000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 21278 LOWER RIGHT = 20567 LOWER LEFT = 1066 UPPER LEFT = 1415

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21048 LOWER RIGHT = 611 LOWER LEFT = 963 UPPER LEFT = 21420

NO	STREET	CITY	ST-SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST-SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GRAND	L ANGELES	0462	03	01	4213694	4133583	4214610	4134651	41							
2	GRAND	L ANGELES	0462	04	01	4214624	4134361	4214658	4135595	42							
3	CARDINA	L ANGELES	1744	01	01	4220267	4135944	4220741	4135796	43							
4	GETTY	L ANGELES	1740	01	01	4220531	4136860	4220511	4138050	44							
5	GETTY	L ANGELES	1740	02	01	4220505	4138036	4219999	4141419	45							
6	DALY	L ANGELES	1774	01	01	4223075	4136182	4223107	4140099	46							
7	SAN PABLO	L ANGELES	1769	01	01	4226355	4133781	4227169	4135976	47							
8	LAMBIE	L ANGELES	1768	01	01	4226909	4135226	4228315	4134785	48							
9	INDIANA	L ANGELES	0914	04	01	4229981	4132244	4229999	4135290	49							
10	61M61M61M	L ANGELES	9153	05	01	4229971	4135858	4230043	4138293	50							
11	MARIONDLE	L ANGELES	1838	01	01	4238322	4137651	4238370	4138894	51							
12	MARIANNA	L ANGELES	1839	01	01	4234083	4134729	4234115	4135501	52							
13	MARIANNA	L ANGELES	1839	02	01	4234129	4135555	4235223	4137068	53							
14	KENNETH	L ANGELES	1796	02	01	4231919	4141526	4231891	4142195	54							
15	KENNETH	L ANGELES	1796	01	01	4231889	4142195	4232221	4142387	55							
16	SINOVA	L ANGELES	1785	02	01	4228501	4145656	4229043	4145596	56							
17	NORWICH	L ANGELES	1804	01	01	4238688	4142363	4240992	4142339	57							
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TIME OF ENTRY - 10:30:00 DATE OF LAST UPDATE 25-MAY-77 OPERATOR NAME - HAYS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4269000 LOWER RIGHT = 4269000 LOWER LEFT = 4250000 UPPER LEFT = 4250000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20460 LOWER RIGHT = 20539 LOWER LEFT = 997 UPPER LEFT = 940
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21585 LOWER RIGHT = 7617 LOWER LEFT = 7727 UPPER LEFT = 21192

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NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	S'TREET	CITY	S'T SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HOLDER	CO61M A	1676	01	53	4282101	4060028	4282117	4060942	41							
2	MRNGSIDE	LAKEWOOD	1145	05	29	4252600	4058917	4257180	4058863	42							
3	VILLAGE	LAKEWOOD	1625	01	29	4253594	4051718	4255039	4051730	43							
4	GONDAR	LNG BEACH	1587	01	12	4254033	4045187	4253997	4050471	44							
5	BARBANELL	LNG BEACH	1614	01	12	4258138	4041327	4257382	4041361	45							
6	BARBANELL	LNG BEACH	1614	02	12	4256360	4041351	4254396	4041457	46							
7	STEVELY	LAKEWOOD	1584	03	29	4259593	4051309	4259218	4052879	47							
8	STEVELY	LAKEWOOD	1584	04	29	4259226	4052873	4258737	4054245	48							
9	CHADWELL	LAKEWOOD	1638	01	29	4260705	4054634	4259861	4054638	49							
10										50							
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TIME OF ENTRY - 10:45:00 DATE OF LAST UPDATE 25-MAY-77 OPERATOR NAME - HAYS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4269000 LOWER RIGHT = 4289000 LOWER LEFT = 4250000 UPPER LEFT = 4250000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4050000 LOWER RIGHT = 4022040 LOWER LEFT = 4022040 UPPER LEFT = 4050000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21324 LOWER RIGHT = 21351 LOWER LEFT = 1828 UPPER LEFT = 1785
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17904 LOWER RIGHT = 3434 LOWER LEFT = 3620 UPPER LEFT = 18082
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NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY
1	MENAB	LNG BEACH	1424	03	:2	4254129	4035790	4254159	4038338	41						
2	MENAB	LNG BEACH	1424	04	:2	4254025	4038324	4254027	4039583	42						
3	OCANA	LNG BEACH	1585	01	:2	4252711	4036899	4252155	4036917	43						
4	OCANA	LNG BEACH	1585	02	:2	4252173	4036919	4251718	4037460	44						
5	OCANA	LNG BEACH	1585	03	:2	4251706	4037444	4251730	4039171	45						
6	OCANA	LNG BEACH	1585	04	:2	4251742	4039165	4251686	4039931	46						
7	OCANA	LNG BEACH	1585	05	:2	4251684	4039892	4251680	4040662	47						
8										48						
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TIME OF ENTRY - 11:00:00 DATE OF LAST UPDATE - 25-MAY-77 OPERATOR NAME - HAYS

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TIME OF ENTRY - 11:00:00 DATE OF LAST UPDATE - 25-MAY-77 OPERATOR NAME - RMC
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 19876 LOWER RIGHT = 19842 LOWER LEFT = 468 UPPER LEFT = 524
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21994 LOWER RIGHT = 5 LOWER LEFT = 53 UPPER LEFT = 21994

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.2E STGE	LNG BEACH	2547	01	12	4226291	4048761	4226736	4049608	41	FACULTY	LAKEWOOD	1561	05	9	4246639	4060576	4246661	4061625
2	RAMONA	LAKEWOOD	1120	02	29	4245112	4066232	4250125	4066288	42	FACULTY	LAKEWOOD	1561	06	9	4246597	4061637	4246563	4064389
3	CEDAR	LAKEWOOD	1122	02	29	4245074	4065585	4250129	4065645	43	HAZELBROK	LNG BEACH	1562	01	2	4246010	4052846	4246030	4056685
4	ROSE	LAKEWOOD	1123	02	29	4245076	4065044	4250119	4065076	44	HAZELBROK	LAKEWOOD	1562	02	9	4245899	4059671	4245889	4061593
5	CLARK	LNG BEACH	1547	01	12	4247566	4033719	4247667	4043843	45	HAZELBROK	LAKEWOOD	1562	03	9	4245793	4061655	4245809	4064385
6	CLARK	LNG BEACH	1547	02	12	4247659	4043845	4247705	4054050	46	E UARDLOW	LNG BEACH	1165	03	2	4246088	4046534	4250117	4046490
7	CLARK	LAKEWOOD	1547	03	29	4247693	4054064	4247653	4064411	47	MEZZANINE	LNG BEACH	1539	01	2	4247653	4045204	4250139	4045176
8	CLARK	LAKEWOOD	1547	04	29	4247663	4064419	4247667	4066903	48	PAGENTRY	LNG BEACH	1540	01	2	4247669	4044394	4250115	4044434
9	ASHWORTH	LAKEWOOD	1576	01	29	4245090	4064401	4250103	4064419	49	SPRING	LNG BEACH	1171	08	2	4246084	4044203	4247460	4043503
10	ARDMORE	LAKEWOOD	0679	02	29	4249133	4064952	4249163	4066994	50	SPRING	LNG BEACH	1171	09	2	4247512	4043522	4250105	4043477
11	HEDDA	LAKEWOOD	1133	02	29	4245024	4063032	4250103	4063066	51	PARK	LNG BEACH	1555	01	2	4245553	4024007	4246647	4026114
12	SOUTH	LAKEWOOD	1136	03	29	4245048	4061643	4250117	4061673	52	PARK	LNG BEACH	1555	02	2	4246627	4026122	4246657	4030628
13	MICHELSON	LAKEWOOD	1124	03	29	4245046	4060582	4247681	4060562	53	PARK	LNG BEACH	1555	03	2	4246649	4033307	4246657	4034517
14	MICHELSON	LAKEWOOD	1124	04	29	4248356	4060160	4250099	4060154	54	PARK	LNG BEACH	1555	04	2	4246567	4039536	4246555	4040601
15	CNDLEWOOD	LAKEWOOD	1141	03	29	4245054	4059294	4250107	4059245	55	STEARNLEE	LNG BEACH	1569	01	2	4248334	4040424	4249550	4039064
16	HARDWICK	LAKEWOOD	1146	06	29	4246749	4058041	4247687	4058017	56	STEARNLEE	LNG BEACH	1569	02	2	4249538	4039049	4249989	4039005
17	HARDWICK	LAKEWOOD	1146	04	29	4248226	4058214	4250151	4058182	57	25TH	LNG BEACH	1176	06	2	4245096	4039542	4247619	4039518
18	SILVA	LAKEWOOD	1148	07	29	4245076	4057123	4246749	4057127	58	EAGLE	LNG BEACH	1542	01	2	4247747	4039339	4248925	4040422
19	DEL AMD	LAKEWOOD	1069	08	29	4245066	4056845	4250125	4056813	59	EAGLE	LNG BEACH	1542	02	2	4248933	4040414	4249688	4040402
20	ARBOR	LNG BEACH	1266	03	12	4245062	4055344	4250113	4055316	60	STNBRIDGE	LNG BEACH	1573	01	2	4248164	4039673	4248987	4038816
21	CENTRALIA	LNG BEACH	1532	01	12	4245066	4054090	4250097	4054050	61	STNBRIDGE	LNG BEACH	1573	02	2	4248999	4038826	4248981	4037494
22	HARVEY	LNG BEACH	1533	01	12	4245076	4052858	4250113	4052830	62	STNBRIDGE	LNG BEACH	1573	03	2	4248995	4037488	4249608	4036859
23	CARSON	LNG BEACH	1022	10	12	4245068	4051471	4250109	4051411	63	FARRBROOK	LNG BEACH	1574	01	2	4249590	4036879	4250133	4036871
24	LEW DAVIS	LNG BEACH	1534	01	12	4246384	4050589	4247663	4050580	64	LITCHFIEL	LNG BEACH	1572	01	2	4248208	4037805	4249135	4036145
25	PARKCRES	LNG BEACH	1535	01	12	4248035	4050695	4248755	4050707	65	LITCHFIEL	LNG BEACH	1572	02	2	4249141	4036159	4249278	4035337
26	PARKCRES	LNG BEACH	1535	02	12	4249117	4050691	4250079	4050697	66	ABBEYFIEL	LNG BEACH	1554	01	2	4248093	4035822	4249522	4037365
27	HARCO	LNG BEACH	1537	01	12	4247869	4049628	4248765	4049610	67	ABBEYFIEL	LNG BEACH	1554	02	2	4249516	4037357	4250097	4037383
28	HARCO	LNG BEACH	1537	02	12	4249001	4049610	4250127	4049626	68	DE ORA	LNG BEACH	1575	01	2	4245198	4037550	4246156	4038155
29	CONANT	LNG BEACH	1536	01	12	4245062	4048786	4250147	4048749	69	DE ORA	LNG BEACH	1575	02	2	4246166	4038171	4246260	4039504
30	MONLACO	LNG BEACH	1538	01	12	4247733	4047746	4250127	4047750	70	LA CARA	LNG BEACH	1566	01	2	4244994	4037584	4245769	4037419
31	RUTGERS	LNG BEACH	1560	01	12	4248705	4041164	4249065	4042095	71	LA CARA	LNG BEACH	1566	02	2	4245775	4037429	4246017	4036664
32	RUTGERS	LNG BEACH	1560	02	12	4249071	4042093	4249069	4042872	72									
33	RUTGERS	LNG BEACH	1560	03	12	4249081	4043522	4249111	4046462	73									
34	RUTGERS	LNG BEACH	1560	04	12	4249077	4047742	4249099	4048743	74									
35	RUTGERS	LNG BEACH	1560	05	12	4249015	4052132	4249001	4054088	75									
36	LORELEI	LNG BEACH	1563	01	12	4249139	4055318	4249123	4064435	76									
37	FACULTY	LNG BEACH	1561	01	12	4246348	4048124	4246360	4050578	77									
38	FACULTY	LNG BEACH	1561	02	12	4246388	4050601	4246376	4051039	78									
39	FACULTY	LNG BEACH	1561	03	12	4246370	4051035	4246641	4051515	79									
40	FACULTY	LNG BEACH	1561	04	12	4246651	4051527	4246697	4056661	80									

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TIME OF ENTRY - 10:45:00 DATE OF LAST UPDATE 25-MAY-77 OPERATOR NAME - HAYS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20466 LOWER RIGHT = 20584 LOWER LEFT = 1036 UPPER LEFT = 995
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21399 LOWER RIGHT = 252 LOWER LEFT = 246 UPPER LEFT = 21410
```

NO	STREET	CITY	ST SEG CY	STARTX	STARTY	ENDX	ENDY NO	S-REET	CITY	S- SEG CY	STARTX.	STARTY	ENDX	ENDY
1	BUCKLES	DOWNEY	1685	01	06	4248262	4087562	4249120	4087002	41				
2							42							
3							43							
4							44							
5							45							
6							46							
7							47							
8							48							
9							49							
10							50							
11							51							
12							52							
13							53							
14							54							
15							55							
16							56							
17							57							
18							58							
19							59							
20							60							
21							61							
22							62							
23							63							
24							64							
25							65							
26							66							
27							67							
28							68							
29							69							
30							70							
31							71							
32							72							
33							73							
34							74							
35							75							
36							76							
37							77							
38							78							
39							79							
40							80							

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TIME OF ENTRY - 10:05:04 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4289000 LOWER RIGHT = 4289000 LOWER LEFT = 4250000 UPPER LEFT = 4250000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4080000 LOWER LEFT = 4040000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 2101 LOWER RIGHT = 21271 LOWER LEFT = 1723 UPPER LEFT = 1571
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 2645 LOWER RIGHT = 7673 LOWER LEFT = 7671 UPPER LEFT = 21127
```

NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	CANEHILL	LAKEWOOD	1589	01	29	4254429	4059192	4254313	4066006	41	DARVALLE	CERRITOS	1662	02	2	4276129	4062473	4276441	4062940
2	CARFAX	LAKEWOOD	1425	17	29	4255189	4057469	4254353	4058799	42	PARKVALE	CERRITOS	1663	01	2	4276441	4062942	4276257	4063661
3	PALO VERD	LAKEWOOD	1581	03	29	4255452	4053171	4255227	4063312	43	MAURICE	CERRITOS	1665	01	2	4271303	4066251	4271295	4066901
4	PALO VERD	LAKEWOOD	1581	04	29	4255223	4063316	4255137	4066803	44	JEFFRY	CERRITOS	1657	01	2	4271601	4064999	4271569	4066125
5	KNOXVILLE	LAKEWOOD	1595	03	29	4256590	4051158	4256568	4053588	45	PIRES	CERRITOS	1666	01	2	4272720	4066279	4272718	4066957
6	KNOXVILLE	LAKEWOOD	1595	04	29	4256562	4053881	4256564	4055753	46	MARTHA	CERRITOS	1655	01	2	4273318	4064092	4273350	4064794
7	KNOXVILLE	LAKEWOOD	1595	05	29	4256502	4057515	4256679	4058879	47	MARTHA	CERRITOS	1655	02	2	4273328	4065049	4273340	4066309
8	KNOXVILLE	LAKEWOOD	1595	06	29	4256675	4058879	4256556	4059838	48	CARMINITA	CERRITOS	1336	01	2	4274003	4063416	4273933	4066939
9	MONOGRAM	LAKEWOOD	1597	03	29	4257118	4051184	4257092	4052603	49	STOWERS	CERRITOS	1646	02	2	4275258	4066953	4275288	4066335
10	MONOGRAM	LAKEWOOD	1597	04	29	4257102	4053853	4257100	4055193	50	TELEGRAPH	CERRITOS	1346	03	2	4275297	4065075	4275349	4063203
11	SHAGWAY	LAKEWOOD	1598	01	29	4258120	4052488	4258102	4054687	51	MARQUARDT	CERRITOS	1335	01	2	4276672	4061614	4276562	4066972
12	STEVELY	LAKEWOOD	1584	05	29	4257647	4056513	4257080	4058863	52	VIERRA	CERRITOS	1654	01	2	4276748	4063839	4277241	4063837
13	STEVELY	LAKEWOOD	1584	06	29	4257026	4059054	4256739	4060360	53	VIERRA	CERRITOS	1654	02	2	4277243	4063843	4277751	4064726
14	LONGWORTH	LAKEWOOD	1406	03	29	4260522	4051904	4260199	4053367	54	VIERRA	CERRITOS	1654	03	2	4277747	4064724	4277743	4066199
15	LONGWORTH	LAKEWOOD	1406	04	29	4260255	4053618	4259822	4054675	55	FABRICA	CERRITOS	1667	01	2	4278625	4065296	4278589	4066406
16	HORST	LAKEWOOD	1508	09	29	4259522	4054671	4258066	4056881	56	0.3W VLVW	CERRITOS	2677	01	2	4278029	4063342	4278027	4064054
17	GRIDLEY	LAKEWOOD	1410	05	29	4260715	4053163	4260650	4054848	57	0.3W ORTH	CERRITOS	2674	01	2	4275166	4061740	4275491	4062435
18	HARVEST	LAKEWOOD	1639	01	29	4260656	4054673	4260211	4055576	58	FRESCA	CERRITOS	1660	01	2	4276672	4062037	4277440	4062453
19	HARVEST	LAKEWOOD	1639	02	29	4260205	4055580	4259409	4055986	59	FRESCA	CERRITOS	1660	02	2	4277438	4062467	4279371	4062515
20	NECTAR	LAKEWOOD	1637	01	29	4261944	4051937	4261232	4053496	60	0.2W VLVW	CERRITOS	2676	01	2	4278123	4061989	4278077	4062950
21	SGR FWY	LAKEWOOD	0244	18	29	4263556	4048686	4259602	4058010	61	0.25 ARTS	CERRITOS	2673	01					

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TIME OF ENTRY - 11:00:00 DATE OF LAST UPDATE 25-MAY-77 OPERATOR NAME - HAYS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4288000 LOWER RIGHT = 4288000 LOWER LEFT = 4249580 UPPER LEFT = 4249580
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100400 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100400
CURSOR X-COORDINATE DATA - UPPER RIGHT = 2118 LOWER RIGHT = 20668 LOWER LEFT = 1553 UPPER LEFT = 1991
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 19069 LOWER RIGHT = 1882 LOWER LEFT = 2433 UPPER LEFT = 19582

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GREENSTNE	SNTA F SP	1387	01	45	4271012	4087006	4270889	4082322	41									
2	SPRING	SNTA F SP	1411	01	45	4267975	4090799	4267924	4088406	42									
3	BLOOMFIEL	SNTA F SP	1409	01	45	4269339	4090755	4269126	4081405	43									
4	BLOOMFIEL	SNTA F SP	1409	02	45	4269122	4081423	4268851	4080733	44									
5	BLOOMFIEL	SNTA F SP	1409	03	45	4268861	4080733	4268783	4077187	45									
6	RINGWOOD	SNTA F SP	1414	01	45	4262355	4087351	4263103	4088542	46									
7	JERSEY	SNTA F SP	1401	01	45	4264029	4095535	4262785	4092883	47									
8	JERSEY	SNTA F SP	1401	02	45	4262602	4092958	4262548	4089866	48									
9	JERSEY	SNTA F SP	1401	03	45	4262413	4084890	4262393	4081921	49									
10	ARLEE	SNTA F SP	1400	01	45	4265509	4097016	4265474	4094857	50									
11	ARLEE	SNTA F SP	1400	02	45	4265502	4094869	4264250	4092069	51									
12	ARLEE	SNTA F SP	1400	03	45	4264079	4085325	4264041	4083217	52									
13	ARLEE	SNTA F SP	1400	04	45	4264071	4083225	4264280	4082372	53									
14	ARLEE	SNTA F SP	1400	05	45	4264276	4082364	4264928	4081959	54									
15	PIONEER	SNTA F SP	1397	07	45	4263929	4092253	4263706	4082968	55									
16	PADDISON	SNTA F SP	1413	01	45	4265199	4088474	4265141	4087148	56									
17	ALBURTIS	SNTA F SP	1398	01	45	4265143	4097108	4264498	4095321	57									
18	ALBURTIS	SNTA F SP	1398	02	45	4264510	4095303	4263282	4092588	58									
19	PIKE	SNTA F SP	1403	01	45	4266337	4095868	4267004	4095182	59									
20	HALL	BELLFLOWR	1418	01	49	4250520	4087525	4252181	4087479	60									
21	HALL	BELLFLOWR	1418	02	49	4252207	4087485	4253163	4086809	61									
22	BARNWALL	NORWALK	1438	03	41	4256560	4072615	4258430	4072613	62									
23	BARNWALL	NORWALK	1438	04	41	4258594	4072607	4262670	4072521	63									
24	TELEGRAPH	LA COUNTY	1346	06	02	4273898	4090643	4281530	4084009	64									
25	TELEGRAPH	LA COUNTY	1346	07	02	4281556	4084021	4284744	4081331	65									
26	MANSA	LA MIRADA	1464	03	37	4279582	4077897	4280601	4077430	66									
27	MANSA	LA MIRADA	1464	04	37	4280772	4077508	4282593	4078180	67									
28	ARBOR	LA MIRADA	1652	01	37	4279393	4068513	4278559	4068549	68									

FILE NAME CS0083.001 REVISION 1

TIME OF ENTRY - 11:00:00 DATE OF LAST UPDATE 25-MAY-77 OPERATOR NAME - HAYS

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TIME OF ENTRY - 11:00:00    DATE OF LAST UPDATE - 25-MAY-77    OPERATOR NAME - ARS
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 19872 LOWER RIGHT = 19846 LOWER LEFT = 491 UPPER LEFT = 563
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21995 LOWER RIGHT = 4 LOWER LEFT = 50 UPPER LEFT = 21995

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	PARK	LNG BEACH	1567	02	:2	4246795	4036667	4246793	4035269	41									
2	PARK	LNG BEACH	1567	03	:2	4246812	4035285	4247126	4035007	42									
3	PARK	LNG BEACH	1567	01	:2	4247159	4035035	4246685	4034483	43									
4	PC HIGHW	LNG BEACH	1017	15	:2	4245165	4035837	4250047	4031422	44									
5	ANAHEIM	LNG BEACH	1016	09	:2	4245303	4033281	4248005	4033291	45									
6	10TH	LNG BEACH	1192	03	:2	4245289	4031951	4246932	4031975	46									
7	7TH	LNG BEACH	1194	03	:2	4245289	4030655	4250101	4030632	47									
8	6TH	LNG BEACH	1195	07	:2	4245462	4029955	4250147	4030018	48									
9	28TH	LNG BEACH	1541	01	:2	4247632	4042091	4250111	4042119	49									
10	WALTON	LNG BEACH	1571	01	:2	4247658	4041175	4249824	4041187	50									
11	MONTAIR	LNG BEACH	1570	01	:2	4249828	4041169	4249914	4043184	51									
12	4TH	LNG BEACH	1196	03	:2	4245536	4029300	4246629	4029284	52									
13	4TH	LNG BEACH	1196	04	:2	4248362	4029334	4250145	4029326	53									
14	COLORADO	LNG BEACH	1198	02	:2	4245544	4028655	4250135	4028655	54									
15	APPIAN	LNG BEACH	1548	01	:2	4246635	4029312	4248410	4027855	55									
16	APPIAN	LNG BEACH	1548	02	:2	4248448	4027851	4250139	4025974	56									
17	3RD	LNG BEACH	1197	04	:2	4245476	4027960	4247989	4027992	57									
18	VISTA	LNG BEACH	1199	03	:2	4245552	4027323	4247945	4027323	58									
19	VISTA	LNG BEACH	1199	04	:2	4248478	4027041	4249365	4026469	59									
20	VISTA	LNG BEACH	1199	05	:2	4249363	4026422	4249810	4025227	60									
21	BROADWAY	LNG BEACH	1201	05	:2	4245584	4026688	4247951	4026649	61									
22	BROADWAY	LNG BEACH	1201	06	:2	4247943	4026658	4248867	4026129	62									
23	2ND	LNG BEACH	1549	01	:2	4245943	4025850	4248765	4024393	63									
24	2ND	LNG BEACH	1549	02	:2	4248779	4024385	4250097	4024075	64									
25	DIVISION	LNG BEACH	1551	01	:2	4244976	4025482	4248404	4023744	65									
26	OCEAN	LNG BEACH	1552	01	:2	4243452	4025102	4247604	4022819	66									
27	NIETO	LNG BEACH	1556	01	:2	4246360	4023531	4247728	4026181	67									
28	LAYERNE	LNG BEACH	1557	01	:2	4246928	4023203	4248352	4025818	68									
29	LAYERNE	LNG BEACH	1557																

SECTION C.2

The following list is the AM PHASE DATA BASE - DIGITIZED DATA diskette #2. This file is a continuation of the file on diskette #1, and has the same layout and information.



PAGE

TIME OF ENTRY - 10:55:00 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 10:55:00    DATE OF LAST UPDATE  03-FEB-77    OPERATOR NAME  HANSFREDT
MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20800

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	45TH	L ANGELES	0405	01	01	4194443	4113277	4200279	4113010	41	40TH	L ANGELES	0397	02	1	4199827	4115705	4201133	4115639
2	47TH	L ANGELES	0407	02	01	4197102	4112406	4202384	4112236	42	40TH	L ANGELES	0397	03	1	4201041	4115831	4202504	4115811
3	47TH	L ANGELES	0407	01	01	4194399	4112622	4197098	4112520	43	40TH	L ANGELES	0397	04	1	4203316	4115623	4205155	4115559
4	47TH	L ANGELES	0407	03	01	4202358	4112374	4206368	4112264	44	40TH	L ANGELES	0397	05	1	4206810	4115529	4209715	4115087
5	47TH	L ANGELES	0407	04	01	4206362	4112076	4210355	4112004	45	40TH	L ANGELES	0397	06	1	4210325	4115361	4211714	4115345
6	47TH	L ANGELES	0407	05	01	41210337	4112114	4212019	4112070	46	SNT BRBRA	L ANGELES	0298	03	1	4194586	4116213	4199851	4116037
7	46TH	L ANGELES	0406	01	01	4194425	4112948	4200321	4112652	47	SNT BRBRA	L ANGELES	0298	02	1	4199859	4116027	4203136	4115981
8	46TH	L ANGELES	0406	02	01	4201043	4112598	4202380	4112600	48	SNT BRBRA	L ANGELES	0298	01	1	4203144	4115973	4211787	4115711
9	46TH	L ANGELES	0406	03	01	4202408	4112680	4206360	4112590	49	BROWNING	L ANGELES	0395	01	1	4195883	4116577	4199817	4116441
10	46TH	L ANGELES	0406	04	01	4206326	4112412	4208979	4112336	50	S PARK	L ANGELES	0396	01	1	4200309	4116353	4202518	4116313
11	46TH	L ANGELES	0406	05	01	4208979	4112340	4210325	4112370	51	LEIGHTON	L ANGELES	0394	01	1	4197239	4116945	4199880	4116841
12	46TH	L ANGELES	0406	06	01	4210319	4112432	4212035	4112400	52	39TH	L ANGELES	0393	01	1	4197209	4117305	4199857	4117183
13	45TH	L ANGELES	0405	02	01	4201067	4113024	4206421	4112868	53	39TH	L ANGELES	0392	01	1	4195887	4117859	4200846	4117643
14	45TH	L ANGELES	0405	03	01	4207726	4112676	4209027	4112676	54	39TH	L ANGELES	0392	02	1	4200836	4117659	4201081	4118025
15	45TH	L ANGELES	0405	04	01	4209633	4112730	4212049	4112728	55	39TH	L ANGELES	0392	03	1	4201081	4118017	4202581	4117963
16	VERNON	L ANGELES	0404	01	01	4194467	4113563	4202927	4113315	56	39TH	L ANGELES	0392	04	1	4202524	4117053	4203070	4117035
17	VERNON	L ANGELES	0404	02	01	4202927	4113315	4212075	4113062	57	39TH	L ANGELES	0392	05	1	4203062	4117035	4204339	4116297
18	43RD	L ANGELES	0403	01	01	4199737	4113721	4202426	4113655	58	39TH	L ANGELES	0392	06	1	4204337	4116299	4205173	4116267
19	43RD	L ANGELES	0403	02	01	4203710	4113635	4205071	4113607	59	38TH	L ANGELES	0391	01	1	4194612	4118219	4198554	4118083
20	43RD	L ANGELES	0403	03	01	4205661	4113575	4212051	4113407	60	39TH	L ANGELES	0390	01	1	4195947	4118517	4199410	4118373
21	43RD	L ANGELES	0402	01	01	4194485	4114475	4202404	4113977	61	38TH	L ANGELES	0390	06	1	4199416	4118199	4199928	4118191
22	43RD	L ANGELES	0402	02	01	4202426	4114023	4212029	4113709	62	38TH	L ANGELES	0390	02	1	4203280	4117597	4204596	4116819
23	42ND	L ANGELES	0401	01	01	4199089	4114403	4201033	4114369	63	38TH	L ANGELES	0390	03	1	4204528	4116629	4205552	4116629
24	42ND	L ANGELES	0401	02	01	4201051	4114289	4202444	4114251	64	38TH	L ANGELES	0390	04	1	4205717	4116683	4206517	4116245
25	42ND	L ANGELES	0401	03	01	4203728	4114297	4205105	4114287	65	38TH	L ANGELES	0390	05	1	4207818	4116095	4208640	4116123
26	42ND	L ANGELES	0401	04	01	4206038	4114255	4212109	4114047	66	37TH	L ANGELES	0388	01	1	4202589	4118401	4203649	4117629
27	42ND	L ANGELES	0400	01	01	4197150	4114813	4201075	4114689	67	37TH	L ANGELES	0388	02	1	4204093	4117537	4204794	4117125
28	42ND	L ANGELES	0400	02	01	4201059	4114575	4202438	4114527	68	37TH	L ANGELES	0388	03	1	4204738	4116947	4205209	4116969
29	42ND	L ANGELES	0400	03	01	4202426	4114651	4205133	4114581	69	37TH	L ANGELES	0387	01	1	4202759	4118617	4203327	4118267
30	42ND	L ANGELES	0400	04	01	4207738	4114497	4211099	4114427	70	37TH	L ANGELES	0387	02	1	4203333	4118265	4203938	4117951
31	41ST	L ANGELES	0399	01	01	4194544	4115315	4199015	4115071	71	37TH	L ANGELES	0387	03	1	4203972	4118037	4204991	4117409
32	41ST	L ANGELES	0399	02	01	4199807	4115053	4201125	4115019	72	37TH	L ANGELES	0387	04	1	4205181	4117293	4206144	4117247
33	41ST	L ANGELES	0399	03	01	4201039	4115167	4202496	4115153	73	37TH	L ANGELES	0387	05	1	4207820	4116427	4208755	4116417
34	41ST	L ANGELES	0399	04	01	4203092	4114957	4211065	4114709	74	36TH	L ANGELES	0386	01	1	4204429	4118087	4205161	4117689
35	41ST	L ANGELES	0398	01	01	4197191	4115459	4199005	4115397	75	36TH	L ANGELES	0386	02	1	4205191	4117025	4206178	4117225
36	41ST	L ANGELES	0398	02	01	4199777	4115357	4201117	4115347	76	36TH	L ANGELES	0386	03	1	4206180	4117219	4206695	4117141
37	41ST	L ANGELES	0398	03	01	4201123	4115515	4202454	4115471	77	36TH	L ANGELES	0385	01	1	4204590	4118363	4205304	4117963
38	41ST	L ANGELES	0398	04	01	4203132	4115247	4205177	4115227	78	36TH	L ANGELES	0385	02	1	4205364	4118097	4207544	4116769
39	41ST	L ANGELES	0398	05	01	4206595	4115149	4212113	4114959	79	36TH	L ANGELES	0385	03	1	4207550	4116765	4208981	4116707
40	40TH	L ANGELES	0397	01	01	4197199	4115755	4198989	4115713	80									

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FILE NAME C50002.001 REVISION 1

TIME OF ENTRY - 11:25:05 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FRENEY

MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20808

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	EXPOSITN	L ANGELES	0301	01	01	4194648	4118919	4202571	4118619	41	29TH	L ANGELES	0375	01	1	4194744	4122822	4198714	4122667
2	EXPOSITN	L ANGELES	0301	02	01	4202565	4118617	4203477	4118623	42	29TH	L ANGELES	0375	02	1	4198684	4122521	4200032	4122489
3	37TH	L ANGELES	0389	01	01	4196463	4119095	4199809	4118989	43	29TH	L ANGELES	0375	03	1	4200038	4122369	4202372	4122293
4	37TH	L ANGELES	0388	04	01	4194644	4119529	4199902	4119329	44	29TH	L ANGELES	0375	04	1	4204329	4121275	4205009	4120855
5	37TH	L ANGELES	0388	05	01	4199942	4119363	4200766	4118899	45	29TH	L ANGELES	0375	05	1	4206477	4120009	4208660	4118687
6	37TH	L ANGELES	0387	06	01	4194658	4119911	4199743	4119683	46	29TH	L ANGELES	0375	06	1	4208568	4118611	4211229	4117057
7	37TH	L ANGELES	0387	07	01	4199994	4119705	4201542	4118831	47	28TH	L ANGELES	0374	01	1	4198700	4122838	4200054	4122782
8	36TH	L ANGELES	0386	04	01	4194696	4120219	4199944	4120097	48	28TH	L ANGELES	0374	02	1	4201263	4122647	4202380	4122619
9	36TH	L ANGELES	0386	05	01	4199944	4120101	4201682	4119101	49	28TH	L ANGELES	0374	03	1	4202378	4122499	4204355	4121363
10	35TH	L ANGELES	0383	01	01	4194712	4121199	4198578	4121075	50	28TH	L ANGELES	0374	04	1	4204476	4121535	4206575	4120245
11	35TH	L ANGELES	0383	02	01	4198556	4120913	4199705	4120807	51	28TH	L ANGELES	0374	05	1	4206611	4120289	4212216	4116971
12	35TH	L ANGELES	0383	03	01	4202482	4119739	4203529	4119129	52	27TH	L ANGELES	0373	01	1	4194758	4123450	4198733	4123340
13	35TH	L ANGELES	0383	04	01	4203864	4118935	4204355	4118665	53	27TH	L ANGELES	0373	02	1	4198723	4123168	4200058	4123134
14	35TH	L ANGELES	0383	05	01	4204684	4118565	4205416	4118191	54	27TH	L ANGELES	0373	03	1	4201279	4123010	4202384	4122974
15	35TH	L ANGELES	0383	06	01	4205518	4118357	4207700	4117045	55	27TH	L ANGELES	0373	04	1	4203425	4122371	4204576	4121707
16	35TH	L ANGELES	0383	07	01	4207862	4116975	4208394	4116983	56	27TH	L ANGELES	0373	05	1	4204594	4121839	4205705	4121173
17	35TH	L ANGELES	0383	08	01	4210495	4116029	4211807	4115977	57	27TH	L ANGELES	0373	06	1	4205687	4121087	4206727	4120447
18	35TH	L ANGELES	0383	09	01	4209208	4116041	4210451	4115947	58	27TH	L ANGELES	0373	07	1	4206765	4120537	4208997	4119247
19	34TH	L ANGELES	0382	01	01	4201207	4120849	4203310	4119607	59	27TH	L ANGELES	0373	08	1	4209001	4119243	4212208	4117359
20	34TH	L ANGELES	0382	02	01	4209721	4116349	4211799	4116327	60	ADAMS	L ANGELES	0372	01	1	4194766	4124150	4202410	4123898
21	33RD	L ANGELES	0381	01	01	4203687	4120287	4204776	4119629	61	ADAMS	L ANGELES	0372	02	1	4201654	4123928	4212256	4117759
22	33RD	L ANGELES	0381	02	01	4204712	4119489	4205803	4118889	62	25TH	L ANGELES	0371	01	1	4195753	4124468	4198305	4124380
23	33RD	L ANGELES	0381	03	01	4205825	4118943	4206148	4118763	63	25TH	L ANGELES	0371	02	1	4199274	4124336	4202414	4124202
24	33RD	L ANGELES	0381	04	01	4206786	4118397	4209777	4116689	64	25TH	L ANGELES	0371	03	1	4202380	4124058	4202793	4123794
25	33RD	L ANGELES	0381	05	01	4209777	4116691	4211829	4116577	65	25TH	L ANGELES	0371	04	1	4206026	4121841	4212358	4118151
26	32ND	L ANGELES	0379	01	01	4202358	4121321	4203808	4120461	66	24TH	L ANGELES	0370	01	1	4195749	4124754	4200092	4124590
27	32ND	L ANGELES	0379	02	01	4204867	4119751	4205963	4119121	67	24TH	L ANGELES	0370	02	1	4200098	4124544	4202410	4124480
28	32ND	L ANGELES	0379	03	01	4206006	4119205	4209605	4117083	68	24TH	L ANGELES	0370	03	1	4202396	4124448	4202992	4124106
29	32ND	L ANGELES	0379	04	01	4209611	4117059	4210487	4117077	69	24TH	L ANGELES	0370	04	1	4206210	4122141	4208291	4120899
30	JEFFERSON	L ANGELES	0380	01	01	4194702	4121529	4201031	4121283	70	24TH	L ANGELES	0370	05	1	4208833	4120537	4211311	4119117
31	JEFFERSON	L ANGELES	0380	02	01	4201021	4121283	4210491	4115915	71	23RD	L ANGELES	0369	01	1	4195759	4125108	4198319	4125012
32	31ST	L ANGELES	0378	01	01	4199354	4121861	4199998	4121829	72	23RD	L ANGELES	0369	02	1	4199298	4124850	4202394	4124768
33	31ST	L ANGELES	0378	02	01	4203938	4120661	4204307	4120461	73	23RD	L ANGELES	0369	03	1	4202420	4124752	4207461	4121821
34	31ST	L ANGELES	0378	03	01	4204650	4120307	4208352	4118227	74	23RD	L ANGELES	0369	04	1	4207485	4121701	4211550	4119367
35	31ST	L ANGELES	0378	04	01	4208394	4118297	4210202	4117141	75	23RD	L ANGELES	0369	05	1	4211380	4119209	4212314	4118575
36	30TH	L ANGELES	0377	01	01	4199380	4122171	4200014	4122153	76	22ND	L ANGELES	0367	01	1	4194822	4125422	4200100	4125260
37	30TH	L ANGELES	0376	01	01	4194718	4122185	4198684	4122035	77	22ND	L ANGELES	0367	02	1	4200108	4125138	4202424	4125042
38	30TH	L ANGELES	0376	02	01	4198698	4121993	4199374	4121973	78	22ND	L ANGELES	0367	03	1	4202414	4125142	4203294	4124600
39	30TH	L ANGELES	0376	03	01	4200014	4122027	4202370	4121945	79	22ND	L ANGELES	0367	04	1	4205478	4123328	4207706	4122059
40	30TH	L ANGELES	0376	04	01	4202346	4122063	4208522	4118449	80	22ND	L ANGELES	0367	05	1	4208684	4121671	4209390	4121289

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FILE NAME CS0003.001 REVISION 1

TIME OF ENTRY - 11:45:05 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20808

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	22ND	L ANGELES	0367	06	01	4209188	4121111	4211746	4119663	41	PICO	L ANGELES	0096	03	1	4194939	4129406	4202984	4129094
2	22ND	L ANGELES	0367	07	01	4211606	4119519	4212296	4119025	42	PICO	L ANGELES	0096	04	1	4202982	4129100	4208458	4125902
3	21ST	L ANGELES	0368	01	01	4202617	4125394	4203401	4124958	43	PICO	L ANGELES	0096	05	1	4208452	4125906	4211504	4123534
4	21ST	L ANGELES	0368	02	01	4203415	4124784	4205083	4123812	44	PICO	L ANGELES	0096	06	1	4211508	4123554	4212432	4123022
5	21ST	L ANGELES	0368	03	01	4205400	4123662	4208741	4121751	45	12TH	L ANGELES	0360	01	1	4194993	4130070	4200309	4129876
6	21ST	L ANGELES	0368	04	01	4208763	4121823	4212009	4119949	46	12TH	L ANGELES	0360	02	1	4201275	4129816	4202524	4129798
7	SM FWY	L ANGELES	0124	03	01	4194858	4125770	4201997	4125422	47	12TH	L ANGELES	0360	03	1	4202635	4130066	4206180	4127952
8	SM FWY	L ANGELES	0124	04	01	4202017	4125412	4205540	4125766	48	12TH	L ANGELES	0360	04	1	4207778	4127126	4212422	4123432
9	SM FWY	L ANGELES	0124	05	01	4205538	4125764	4209118	4123338	49	11TH	L ANGELES	0359	01	1	4203792	4129726	4206427	4128220
10	SM FWY	L ANGELES	0124	06	01	4209114	4123332	4210736	4122501	50	11TH	L ANGELES	0358	01	1	4195015	4130726	4202575	4130430
11	SM FWY	L ANGELES	0124	07	01	4210736	4122503	4212328	4121351	51	11TH	L ANGELES	0358	02	1	4202587	4130774	4207564	4127750
12	20TH	L ANGELES	0366	01	01	4196543	4126078	4198103	4126002	52	11TH	L ANGELES	0358	03	1	4207578	4127742	4208165	4127668
13	20TH	L ANGELES	0366	02	01	4198696	4125980	4202458	4125838	53	11TH	L ANGELES	0358	04	1	4208173	4127676	4212091	4124388
14	20TH	L ANGELES	0366	03	01	4202438	4125844	4204089	4124816	54	OLYMPIC	L ANGELES	0032	15	1	4195053	4131384	4200303	4131198
15	20TH	L ANGELES	0366	04	01	4205767	4123846	4206132	4123608	55	OLYMPIC	L ANGELES	0032	16	1	4200307	4131186	4200648	4131066
16	20TH	L ANGELES	0366	05	01	4208969	4122151	4209641	4121727	56	OLYMPIC	L ANGELES	0032	17	1	4200646	4131066	4203571	4130860
17	20TH	L ANGELES	0366	06	01	4210202	4121429	4212260	4120227	57	OLYMPIC	L ANGELES	0032	18	1	4203571	4130866	4207305	4128664
18	CORDOVA	L ANGELES	0365	01	01	4196974	4126416	4198093	4126338	58	OLYMPIC	L ANGELES	0032	19	1	4207303	4128662	4208646	4128122
19	CORDOVA	L ANGELES	0365	02	01	4198692	4126320	4200162	4126272	59	OLYMPIC	L ANGELES	0032	20	1	4208642	4128122	4210720	4126406
20	WASHINGTON	L ANGELES	0106	09	01	4194856	4126760	4202260	4126532	60	SN MARINO	L ANGELES	0357	01	1	4195045	4132056	4200339	4131876
21	WASHINGTON	L ANGELES	0106	10	01	4202274	4126528	4212326	4120585	61	SN MARINO	L ANGELES	0357	02	1	4200345	4132028	4202599	4131966
22	VENICE	L ANGELES	0364	01	01	4194886	4128138	4199035	4128228	62	9TH	L ANGELES	0356	01	1	4195063	4132549	4202585	4132301
23	VENICE	L ANGELES	0364	02	01	4199037	4128196	4201823	4128104	63	9TH	L ANGELES	0356	02	1	4202605	4132227	4208923	4128538
24	VENICE	L ANGELES	0364	03	01	4201821	4128106	4202488	4127884	64	9TH	L ANGELES	0356	03	1	4208923	4128540	4209282	4128486
25	VENICE	L ANGELES	0364	04	01	4202502	4127884	4207417	4125040	65	9TH	L ANGELES	0356	04	1	4209280	4128490	4211247	4126788
26	VENICE	L ANGELES	0364	05	01	4207427	4125026	4212354	4121605	66	9TH	L ANGELES	0356	05	1	4211249	4126794	4212502	4125334
27	CAMBRIDGE	L ANGELES	0363	01	01	4194937	4128438	4197543	4128342	67	FRANCIS	L ANGELES	0355	01	1	4200355	4132679	4202633	4132601
28	15TH	L ANGELES	0362	01	01	4194931	4128720	4199633	4128608	68	8TH	L ANGELES	0354	01	1	4195067	4133185	4202605	4132927
29	15TH	L ANGELES	0362	02	01	4201155	4128448	4201797	4128430	69	8TH	L ANGELES	0354	02	1	4202615	4132927	4206565	4130642
30	15TH	L ANGELES	0362	03	01	4206360	4125998	4206824	4125700	70	8TH	L ANGELES	0354	03	1	4206563	4130646	4206669	4130308
31	15TH	L ANGELES	0362	04	01	4207564	4125238	4212280	4121941	71	8TH	L ANGELES	0354	04	1	4206675	4130308	4207606	4129806
32	14TH	L ANGELES	0303	01	01	4194951	4129096	4196062	4129050	72	8TH	L ANGELES	0354	05	1	4207608	4129808	4208660	4129732
33	14TH	L ANGELES	0303	02	01	4196904	4128998	4197634	4128970	73	8TH	L ANGELES	0354	06	1	4208670	4129740	4211871	4127180
34	14TH	L ANGELES	0303	03	01	4201113	4128792	4201823	4128790	74	8TH	L ANGELES	0354	07	1	4211877	4127184	4212490	4126410
35	14TH	L ANGELES	0303	04	01	4203152	4128274	4204578	4127348	75	LEEWARD	L ANGELES	0353	01	1	4200377	4133385	4202681	4133301
36	14TH	L ANGELES	0303	05	01	4204941	4127202	4205506	4126838	76	7TH	L ANGELES	0352	01	1	4195113	4133907	4198247	4133023
37	14TH	L ANGELES	0303	06	01	4208049	4125312	4209278	4124432	77	7TH	L ANGELES	0352	02	1	4199186	4133797	4202651	4133701
38	14TH	L ANGELES	0303	07	01	4211141	4123028	4212384	4122225	78	7TH	L ANGELES	0352	03	1	4202651	4133701	4209076	4130010
39	ALVARADO	L ANGELES	0440	01	01	4202522	4128310	4203415	4128330	79	7TH	L ANGELES	0352	04	1	4209078	4130008	4209938	4129646
40	ALVARADO	L ANGELES	0440	02	01	4203417	4128330	4203726	4128666	80	7TH	L ANGELES	0352	05	1	4209936	4129652	4212605	4127420

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0004.001 REVISION 1

TIME OF ENTRY - 12:45:08 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20008

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WILSHIRE	L ANGELES	0302	01	01	4195147	4134681	4202667	4134419	41	1ST	L ANGELES	0338	02	1	4197890	4138547	4200527	4138513
2	WILSHIRE	L ANGELES	0302	02	01	4202667	4134429	4204058	4133605	42	1ST	L ANGELES	0338	03	1	4200523	4138515	4201227	4138699
3	WILSHIRE	L ANGELES	0302	03	01	4204070	4133601	4204764	4133405	43	1ST	L ANGELES	0338	04	1	4201233	4138697	4202424	4138669
4	WILSHIRE	L ANGELES	0302	04	01	4204768	4133413	4205153	4132927	44	COUNCIL	L ANGELES	0337	01	1	4197140	4139543	4198777	4139481
5	WILSHIRE	L ANGELES	0302	05	01	4205165	4132889	4209551	4130372	45	COUNCIL	L ANGELES	0337	02	1	4199384	4139143	4201686	4139067
6	WILSHIRE	L ANGELES	0302	06	01	4209531	4130368	4211097	4129096	46	COUNCIL	L ANGELES	0337	03	1	4201700	4139217	4202049	4139197
7	INGRAHAM	L ANGELES	0351	01	01	4206132	4132022	4209304	4130308	47	COUNCIL	L ANGELES	0337	04	1	4202835	4139037	4206541	4137007
8	6TH	L ANGELES	0349	01	01	4195155	4135333	4202657	4135107	48	COUNCIL	L ANGELES	0337	05	1	4208686	4135881	4209120	4135609
9	6TH	L ANGELES	0349	02	01	4202645	4135105	4209956	4131030	49	COUNCIL	L ANGELES	0337	06	1	4209116	4135613	4209751	4135559
10	6TH	L ANGELES	0349	03	01	4209970	4131012	4210339	4130188	50	BEVERLY	L ANGELES	0133	08	1	4195284	4139927	4201823	4139691
11	6TH	L ANGELES	0349	04	01	4210337	4130218	4212583	4128326	51	BEVERLY	L ANGELES	0133	09	1	4201829	4139687	4202135	4138905
12	OCEANVIEW	L ANGELES	0348	01	01	4203910	4134635	4206194	4134693	52	BEVERLY	L ANGELES	0133	10	1	4202139	4138929	4211305	4133497
13	5TH	L ANGELES	0347	01	01	4204259	4135173	4204830	4134851	53	BEVERLY	L ANGELES	0133	11	1	4211307	4133497	4212679	4132351
14	5TH	L ANGELES	0347	02	01	4206384	4133395	4206767	4133161	54	ROCKWOOD	L ANGELES	0345	01	1	4208534	4135565	4210106	4134629
15	5TH	L ANGELES	0347	03	01	4208131	4132273	4208887	4131848	55	ROCKWOOD	L ANGELES	0345	02	1	4211502	4133877	4212324	4133403
16	5TH	L ANGELES	0347	04	01	4208963	4131992	4210124	4131380	56	COLTON	L ANGELES	0344	01	1	4210082	4135111	4212458	4133773
17	5TH	L ANGELES	0347	05	01	4210359	4131100	4212627	4129154	57	COURT	L ANGELES	0343	01	1	4204056	4138671	4205181	4138075
18	MARYLAND	L ANGELES	0346	01	01	4205843	4134119	4206936	4133473	58	COURT	L ANGELES	0343	02	1	4206882	4137341	4209224	4136093
19	MARYLAND	L ANGELES	0346	02	01	4209162	4132307	4210293	4131712	59	COURT	L ANGELES	0343	03	1	4209214	4136073	4209850	4135797
20	4TH	L ANGELES	0341	01	01	4195199	4136633	4200471	4136515	60	COURT	L ANGELES	0343	04	1	4209852	4135795	4210227	4135407
21	4TH	L ANGELES	0341	02	01	4200479	4136527	4202059	4136227	61	COURT	L ANGELES	0343	05	1	4210225	4135407	4212755	4133979
22	4TH	L ANGELES	0341	03	01	4202043	4136259	4202715	4136237	62	TEMPLE	L ANGELES	0342	01	1	4202731	4139847	4207700	4137323
23	4TH	L ANGELES	0341	04	01	4204423	4135453	4205444	4134875	63	TEMPLE	L ANGELES	0342	02	1	4207702	4137321	4211694	4135925
24	4TH	L ANGELES	0341	05	01	4210455	4132413	4210932	4131360	64	TEMPLE	L ANGELES	0342	03	1	4211714	4135949	4212747	4134429
25	4TH	L ANGELES	0341	06	01	4210932	4131350	4212651	4129970	65	OADWOOD	L ANGELES	0336	01	1	4195298	4140453	4200603	4140287
26	4TH	L ANGELES	0341	07	01	4206695	4134039	4207120	4133807	66	OADWOOD	L ANGELES	0336	02	1	4200940	4140283	4202462	4140237
27	4TH	L ANGELES	0341	08	01	4207455	4133637	4208189	4132487	67	ROSEWOOD	L ANGELES	0335	01	1	4195947	4140911	4200623	4140763
28	3RD	L ANGELES	0340	01	01	4195211	4137321	4202338	4137029	68	CLINTON	L ANGELES	0334	01	1	4195354	4141908	4197030	4141862
29	3RD	L ANGELES	0340	02	01	4202350	4137031	4206182	4134751	69	CLINTON	L ANGELES	0334	02	1	4197616	4141661	4199458	4141577
30	3RD	L ANGELES	0340	03	01	4206182	4134753	4211025	4132180	70	MELROSE	L ANGELES	0333	01	1	4195354	4142582	4198422	4142488
31	3RD	L ANGELES	0340	04	01	4211029	4132182	4212649	4130822	71	KINGSLEY	L ANGELES	0313	06	1	4195424	4143566	4197291	4143508
32	2ND	L ANGELES	0339	01	01	4195239	4138111	4199019	4138011	72	ROMAINE	L ANGELES	0332	01	1	4195444	4144416	4196631	4144374
33	2ND	L ANGELES	0339	02	01	4200505	4137653	4201113	4137589	73	HOOPER	L ANGELES	0470	01	1	4211652	4111642	4211801	4116803
34	2ND	L ANGELES	0339	03	01	4201660	4137595	4202719	4137561	74	HOOPER	L ANGELES	0470	02	1	4211791	4116023	4212186	4117367
35	2ND	L ANGELES	0339	04	01	4202781	4137607	4203639	4137165	75	NAOMI	L ANGELES	0469	01	1	4211257	4114151	4211301	4115023
36	2ND	L ANGELES	0339	05	01	4204353	4137039	4205446	4136363	76	NAOMI	L ANGELES	0469	02	1	4211123	4114993	4211109	4116891
37	2ND	L ANGELES	0339	06	01	4205783	4136263	4206439	4135903	77	NAOMI	L ANGELES	0469	03	1	4211187	4117081	4212230	4118841
38	2ND	L ANGELES	0339	07	01	4210339	4134045	4210995	4133061	78	CENTRAL	L ANGELES	0163	06	1	4210303	4111710	4210483	4117089
39	2ND	L ANGELES	0339	08	01	4210989	4133061	4212663	4131666	79	CENTRAL	L ANGELES	0163	07	1	4210487	4117091	4211271	4119109
40	1ST	L ANGELES	0338	01	01	4195259	4139023	4198027	4138921	80	CENTRAL	L ANGELES	0163	08	1	4211267	4119109	4212328	4120361

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TIME OF ENTRY - 13:30:13 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 13:30:13      DATE OF LAST UPDATE  93-FEB-11      OPERATOR NAME  NAME GREEN
MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20808

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WADSWORTH	L ANGELES	0474	06	01	4209513	4112026	4209711	4114191	41	HOPE	L ANGELES	0461	01	1	4203246	4117591	4203788	4118549
2	WADSWORTH	L ANGELES	0474	07	01	4209649	4114459	4209743	4117095	42	HOPE	L ANGELES	0461	02	1	4203701	4118709	4204550	4120289
3	MCKINLEY	L ANGELES	0471	01	01	4208989	4111800	4209076	4114475	43	HOPE	L ANGELES	0461	03	1	4204796	4120591	4205087	4121139
4	MCKINLEY	L ANGELES	0471	02	01	4208913	4114495	4209308	4116565	44	HOPE	L ANGELES	0461	07	1	4205444	4121723	4205995	4122655
5	GRIFFITH	L ANGELES	0465	01	01	4208931	4116725	4211510	4121087	45	HOPE	L ANGELES	0461	04	1	4206735	4123932	4207010	4124456
6	GRIFFITH	L ANGELES	0465	02	01	4211562	4121067	4212368	4122201	46	HOPE	L ANGELES	0461	05	1	4207361	4125022	4208033	4126168
7	STANFORD	L ANGELES	0468	01	01	4208384	4117069	4211097	4121725	47	HOPE	L ANGELES	0461	06	1	4208035	4126168	4212661	4131656
8	STANFORD	L ANGELES	0468	02	01	4212162	4123612	4212470	4124088	48	FLOWER	L ANGELES	0459	01	1	4202565	4117627	4207682	4126354
9	AVALLON	L ANGELES	0299	01	01	4207660	4111796	4207826	4117369	49	FLOWER	L ANGELES	0459	02	1	4207678	4126356	4211905	4131466
10	SAN PEDRO	L ANGELES	0149	04	01	4207830	4117389	4211913	4124266	50	LEBANON	L ANGELES	0460	01	1	4206162	4124284	4207395	4126286
11	SAN PEDRO	L ANGELES	0149	05	01	4211911	4124266	4212432	4124964	51	LEBANON	L ANGELES	0460	02	1	4210042	4129524	4210529	4130076
12	SAN PEDRO	L ANGELES	0149	06	01	4205057	4112628	4207850	4117429	52	BIXEL	L ANGELES	0454	01	1	4207383	4127890	4208089	4129036
13	SAN PEDRO	L ANGELES	0149	07	01	4206340	4111854	4206453	4114869	53	BIXEL	L ANGELES	0454	03	1	4208410	4129778	4210162	4132871
14	WALL	L ANGELES	0148	03	01	4205651	4111890	4205847	4115883	54	BIXEL	L ANGELES	0454	02	1	4210160	4132887	4210387	4133805
15	WALL	L ANGELES	0148	04	01	4205685	4115983	4206413	4117219	55	BIXEL	L ANGELES	0454	04	1	4210559	4133695	4211035	4134487
16	WALL	L ANGELES	0148	05	01	4208432	4120475	4209118	4121685	56	FRANCIS	L ANGELES	0458	01	1	4208079	4128334	4209701	4130228
17	WALL	L ANGELES	0148	06	01	4209565	4122287	4210002	4122906	57	BEAUDRY	L ANGELES	0457	01	1	4209938	4130990	4212753	4134765
18	WALL	L ANGELES	0148	07	01	4210225	4123358	4210746	4124150	58	BOYLSTON	L ANGELES	0456	01	1	4209870	4131066	4212358	4135367
19	WALL	L ANGELES	0148	08	01	4210832	4124076	4211638	4125132	59	EDGEWARE	L ANGELES	0455	01	1	4210437	4134093	4210956	4134985
20	WALL	L ANGELES	0148	09	01	4211628	4125138	4212516	4126070	60	EDGEWARE	L ANGELES	0455	02	1	4211133	4134915	4211736	4135957
21	TRINITY	L ANGELES	0467	01	01	4206300	4115905	4206970	4117091	61	EDGEWARE	L ANGELES	0455	01	1	4210148	4134099	4209282	4132605
22	TRINITY	L ANGELES	0467	02	01	4206910	4117139	4209282	4121339	62	FIGUEROA	L ANGELES	0300	03	1	4212729	4132935	4212370	4132595
23	TRINITY	L ANGELES	0467	03	01	4209332	4121297	4210323	4122702	63	FIGUEROA	L ANGELES	0300	02	1	4212366	4132599	4207219	4126454
24	TRINITY	L ANGELES	0467	04	01	4210487	4123218	4210964	4123928	64	FIGUEROA	L ANGELES	0300	01	1	4207217	4126454	4202557	4118401
25	TRINITY	L ANGELES	0467	05	01	4211167	4123800	4212478	4125572	65	FIGUEROA	L ANGELES	0300	04	1	4202563	4118461	4202360	4111998
26	L ANGELES	L ANGELES	0464	01	01	4207758	4121559	4208534	4122882	66	HARBOR FY	L ANGELES	0297	01	1	4202833	4112022	4203142	4117809
27	L ANGELES	L ANGELES	0464	02	01	4208532	4122898	4210750	4125916	67	HARBOR FY	L ANGELES	0297	02	1	4203148	4117811	4205238	4121787
28	L ANGELES	L ANGELES	0464	03	01	4210752	4125918	4212531	4127214	68	HARBOR FY	L ANGELES	0297	03	1	4205231	4121809	4205386	4125528
29	MAIN	L ANGELES	0143	05	01	4205189	4117871	4204979	4111914	69	HARBOR FY	L ANGELES	0297	04	1	4205388	4125550	4205903	4127628
30	MAIN	L ANGELES	0143	02	01	4204127	4115979	4208247	4123050	70	HARBOR FY	L ANGELES	0297	05	1	4205907	4127626	4206469	4128186
31	MAIN	L ANGELES	0143	03	01	4208239	4123048	4210555	4126234	71	HARBOR FY	L ANGELES	0297	06	1	4206475	4128192	4210379	4131038
32	MAIN	L ANGELES	0143	04	01	4210545	4126234	4212551	4127700	72	HARBOR FY	L ANGELES	0297	07	1	4210373	4131038	4211855	4132847
33	BROADWAY	L ANGELES	0144	05	01	4203609	4115979	4207892	4123258	73	HARBOR FY	L ANGELES	0297	08	1	4211865	4132867	4212743	4133699
34	BROADWAY	L ANGELES	0144	04	01	4207898	4123260	4210447	4126502	74	ESTRELLA	L ANGELES	0472	01	1	4203998	4122561	4205099	4124434
35	BROADWAY	L ANGELES	0144	02	01	4210413	4126106	4210648	4126710	75	ESTRELLA	L ANGELES	0472	02	1	4205089	4124430	4204832	4124582
36	BROADWAY	L ANGELES	0144	03	01	4210648	4126708	4212583	4128976	76	PRK GROVE	L ANGELES	0473	01	1	4204030	4123846	4204746	4125072
37	HILL	L ANGELES	0384	01	01	4203104	4115981	4208075	4124144	77	PORTLAND	L ANGELES	0448	01	1	4202530	4122481	4202901	4123156
38	HILL	L ANGELES	0384	02	01	4208073	4124142	4212611	4129658	78	PORTLAND	L ANGELES	0448	02	1	4202743	4123288	4203603	4124698
39	GRAND	L ANGELES	0462	01	01	4203174	4116729	4208444	4125950	79	OAK	L ANGELES	0449	01	1	4203581	4124098	4204349	4125354
40	GRAND	L ANGELES	0462	02	01	4208444	4125950	4212129	4130410	80									

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TIME OF ENTRY - 14:50:06 DATE OF LAST UPDATE 03-FEB-77 : OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 14:50:06      DATE OF LAST UPDATE - 03-FEB-77      OPERATOR NAME - ANSOPREN
MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20808

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HALLDALE	L ANGELES	0312	03	01	4196537	4121453	4196631	4124126	41									
2	DALTON	L ANGELES	0410	01	01	4196080	4113517	4196262	4117855	42									
3	DALTON	L ANGELES	0410	02	01	4196080	4118847	4196114	4119515	43									
4	DALTON	L ANGELES	0410	03	01	4196208	4121479	4196282	4124120	44									
5	DENKER	L ANGELES	0311	01	01	4195711	4112256	4195929	4118901	45									
6	DENKER	L ANGELES	0311	02	01	4195931	4120205	4195967	4121447	46									
7	LA SALLE	L ANGELES	0409	01	01	4195378	4113533	4195590	4118845	47									
8	LA SALLE	L ANGELES	0409	02	01	4195777	4121499	4195861	4124108	48									
9	LA SALLE	L ANGELES	0409	03	01	4195735	4124116	4195769	4125392	49									
10	HARVARD	L ANGELES	0307	01	01	4195025	4112270	4195284	4118889	50									
11	HARVARD	L ANGELES	0307	02	01	4195414	4121527	4195494	4124112	51									
12	HARVARD	L ANGELES	0307	03	01	4195506	4124570	4195568	4125388	52									
13	HARVARD	L ANGELES	0307	04	01	4195795	4125956	4196290	4126418	53									
14	HARVARD	L ANGELES	0307	05	01	4196290	4126420	4196483	4131324	54									
15	HARVARD	L ANGELES	0307	06	01	4196487	4131322	4196735	4138617	55									
16	HARVARD	L ANGELES	0307	07	01	4196697	4138947	4196743	4142504	56									
17	HARVARD	L ANGELES	0307	08	01	4196922	4142532	4196936	4143526	57									
18	HOBART	L ANGELES	0310	08	01	4194768	4113559	4194949	4118909	58									
19	HOBART	L ANGELES	0310	06	01	4195073	4121533	4195185	4125402	59									
20	HOBART	L ANGELES	0310	01	01	4195257	4125948	4196035	4126762	60									
21	HOBART	L ANGELES	0310	02	01	4196011	4126764	4196304	4137275	61									
22	HOBART	L ANGELES	0310	03	01	4196312	4137275	4196370	4139865	62									
23	HOBART	L ANGELES	0310	07	01	4196479	4139931	4196479	4140361	63									
24	HOBART	L ANGELES	0310	04	01	4196342	4140409	4196408	4142552	64									
25	HOBART	L ANGELES	0310	05	01	4196587	4142512	4196595	4144300	65									
26	WMOORELAND	L ANGELES	0327	01	01	4195608	4126766	4195652	4128096	66									
27	OXFORD	L ANGELES	0308	04	01	4195566	4128298	4195592	4129412	67									
28	OXFORD	L ANGELES	0308	03	01	4195446	4130054	4195532	4132026	68									
29	OXFORD	L ANGELES	0308	01	01	4195404	4132068	4195731	4142568	69									
30	OXFORD	L ANGELES	0308	02	01	4195739	4142554	4195839	4145148	70									
31	SERRANO	L ANGELES	0309	03	01	4196288	4144864	4196254	4143532	71									
32	SERRANO	L ANGELES	0309	01	01	4196058	4142528	4195777	4132012	72									
33	SERRANO	L ANGELES	0309	02	01	4195859	4132014	4195775	4129402	73									
34	SERRANO	L ANGELES	0309	04	01	4196270	4144848	4195817	4144886	74									
35										75									
36										76									
37										77									
38										78									
39										79									
40										80									

TIME OF ENTRY - 14:00:05 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 42150000 LOWER RIGHT = 41120000 LOWER LEFT = 41120000 UPPER LEFT = 41500000
MAP Y-COORDINATE DATA - UPPER RIGHT = 41500000 LOWER RIGHT = 41120000 LOWER LEFT = 41120000 UPPER LEFT = 41500000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20808

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
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2	OAK	L ANGELES	0449	03	01	4205137	4126320	4205532	4126884	42	CARONDLT	L ANGELES	0432	01	1	4202605	4131410	4203607	4133111
3	ALBANY	L ANGELES	0450	01	01	4204897	4126488	4206804	4129766	43	CARONDLT	L ANGELES	0432	02	1	4203748	4133085	4204389	4134135
4	BLAINE	L ANGELES	0451	01	01	4206194	4128126	4207108	4129608	44	CARONDLT	L ANGELES	0432	04	1	4204963	4135523	4205623	4136639
5	WITMER	L ANGELES	0452	01	01	4206918	4129716	4209172	4133647	45	CARONDLT	L ANGELES	0432	05	1	4205562	4136835	4206274	4138067
6	VALENCIA	L ANGELES	0447	01	01	4204646	4126650	4205318	4127746	46	CARONDLT	L ANGELES	0432	06	1	4206433	4138001	4206788	4138635
7	VALENCIA	L ANGELES	0447	02	01	4205173	4127858	4206449	4130010	47	CORONADO	L ANGELES	0431	01	1	4202619	4132243	4205913	4130079
8	VALENCIA	L ANGELES	0447	03	01	4206617	4130320	4207770	4132273	48	CORONADO	L ANGELES	0431	02	1	4206030	4138027	4206499	4138795
9	TOBERMN	L ANGELES	0446	01	01	4202530	4123412	4203876	4125648	49	RAMPART	L ANGELES	0430	01	1	4202639	4132969	4206074	4138969
10	UNION	L ANGELES	0445	01	01	4202380	4124354	4203936	4127042	50	BENTON	L ANGELES	0429	01	1	4202657	4133817	4205875	4139183
11	UNION	L ANGELES	0445	02	01	4204002	4126978	4204684	4128126	51	LAFAYETTE	L ANGELES	0428	01	1	4203012	4134923	4204526	4137437
12	UNION	L ANGELES	0445	03	01	4204660	4128182	4207207	4132535	52	LAFAYETTE	L ANGELES	0428	02	1	4205151	4138547	4205494	4139139
13	UNION	L ANGELES	0445	04	01	4206984	4132655	4207501	4133551	53	OCCIDENTAL	L ANGELES	0427	02	1	4205506	4139079	4205187	4139235
14	UNION	L ANGELES	0445	05	01	4207419	4133589	4209180	4136747	54	OCCIDENTAL	L ANGELES	0427	01	1	4205171	4139233	4204259	4137597
15	BEACON	L ANGELES	0444	01	01	4204863	4129406	4206218	4131640	55	OCCIDENTAL	L ANGELES	0427	03	1	4204060	4137697	4202675	4135243
16	CONSTANCE	L ANGELES	0443	01	01	4203708	4127166	4204399	4128308	56	RENO	L ANGELES	0426	01	1	4202697	4136193	4204624	4139527
17	BRLINGTON	L ANGELES	0442	01	01	4202410	4125586	4204393	4128310	57	RENO	L ANGELES	0426	02	1	4204628	4139517	4204891	4139365
18	BRLINGTON	L ANGELES	0442	02	01	4204219	4129090	4206525	4132937	58	VENDOME	L ANGELES	0425	01	1	4202711	4136821	4204389	4139697
19	BRLINGTON	L ANGELES	0442	03	01	4206555	4132875	4208091	4135401	59	DILLON	L ANGELES	0424	01	1	4202729	4137557	4204080	4139817
20	BRLINGTON	L ANGELES	0442	04	01	4207914	4135497	4208947	4137249	60	ROBINSON	L ANGELES	0423	01	1	4202873	4138377	4203766	4139935
21	BNNE BRAE	L ANGELES	0441	01	01	4202520	4126442	4203738	4128634	61	HOOVER	L ANGELES	0306	01	1	4202534	4118551	4202334	4121165
22	BNNE BRAE	L ANGELES	0441	02	01	4203651	4128722	4203974	4129274	62	HOOVER	L ANGELES	0306	02	1	4202342	4121167	4202398	4124312
23	BNNE BRAE	L ANGELES	0441	03	01	4204229	4129808	4208739	4137525	63	HOOVER	L ANGELES	0306	03	1	4202396	4124288	4202428	4125836
24	WESTLAKE	L ANGELES	0439	02	01	4202687	4128702	4203272	4128768	64	HOOVER	L ANGELES	0306	04	1	4202406	4125832	4202629	4134439
25	WESTLAKE	L ANGELES	0439	01	01	4203274	4128770	4205627	4132917	65	HOOVER	L ANGELES	0306	05	1	4202689	4135033	4202761	4138661
26	WESTLAKE	L ANGELES	0439	03	01	4205621	4132899	4206561	4134485	66	HOOVER	L ANGELES	0306	06	1	4202785	4139683	4202791	4140237
27	WESTLAKE	L ANGELES	0439	04	01	4206810	4134837	4208450	4137629	67	HOOVER	L ANGELES	0306	07	1	4202753	4138851	4203449	4140053
28	MTN VIEW	L ANGELES	0438	01	01	4206561	4134947	4207144	4135953	68	HOOVER	L ANGELES	0306	13	1	4201000	4112016	4201081	4116085
29	MTN VIEW	L ANGELES	0438	02	01	4207211	4135893	4208265	4137679	69	ARAPAHOE	L ANGELES	0331	01	1	4202099	4126528	4202200	4131952
30	ALVARADO	L ANGELES	0304	01	01	4202512	4128440	4207477	4136981	70	MAGNOLIA	L ANGELES	0324	03	1	4202029	4133309	4202043	4133749
31	ALVARADO	L ANGELES	0304	02	01	4207523	4136961	4208081	4138007	71	MAGNOLIA	L ANGELES	0324	02	1	4201841	4131978	4201682	4125822
32	LAKE	L ANGELES	0435	01	01	4202508	4129150	4204550	4132595	72	MAGNOLIA	L ANGELES	0324	01	1	4201664	4125204	4201604	4123000
33	LAKE	L ANGELES	0435	02	01	4205133	4133699	4207576	4137953	73	CMNWEALTH	L ANGELES	0326	01	1	4202218	4134459	4202420	4139331
34	GRANDVIEW	L ANGELES	0434	01	01	4202548	4129852	4204223	4132789	74	VIRGIL	L ANGELES	0325	01	1	4201807	4134487	4202071	4140253
35	GRANDVIEW	L ANGELES	0434	02	01	4204024	4133867	4205755	4135431	75	WMORELAND	L ANGELES	0323	05	1	4201708	4140251	4201676	4138061
36	PARK VIEW	L ANGELES	0433	01	01	4202573	4130666	4203962	4132945	76	WMORELAND	L ANGELES	0323	04	1	4201658	4137589	4201606	4136233
37	PARK VIEW	L ANGELES	0433	02	01	4203710	4133067	4204395	4134137	77	WMORELAND	L ANGELES	0323	03	1	4201428	4136251	4201391	4134469
38	CARONDLT	L ANGELES	0432	03	01	4204253	4134255	4204534	4134661	78	WMORELAND	L ANGELES	0323	02	1	4201171	4134437	4200886	4127552
39	PARK VIEW	L ANGELES	0433	03	01	4204546	4134057	4204899	4134649	79									
40	PARK VIEW	L ANGELES	0433	04	01	4205873	4136673	4206581	4137853	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

PAGE

FILE NAME CS0007.002 REVISION 2

TIME OF ENTRY - 14:30:04 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 21848 LOWER RIGHT = 21155 LOWER LEFT = 9685 UPPER LEFT = 10426

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20344 LOWER RIGHT = 1418 LOWER LEFT = 1806 UPPER LEFT = 20000

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WMOORELAND	L ANGELES	0323	01	01	4200814	4127528	4200748	4126588	41	KENMORE	L ANGELES	0322	02	1	4198851	4134525	4199077	4139827
2	SHATTO	L ANGELES	0350	01	01	4200958	4136347	4200782	4133779	42	KENMORE	L ANGELES	0322	03	1	4198987	4139815	4199118	4141806
3	MENLO	L ANGELES	0417	04	01	4200742	4132038	4200706	4131154	43	VAN BUREN	L ANGELES	0412	01	1	4198071	4113467	4198117	4114805
4	MENLO	L ANGELES	0417	03	01	4200581	4131080	4200463	4126616	44	VAN BUREN	L ANGELES	0412	02	1	4198335	4121401	4198380	4122702
5	MENLO	L ANGELES	0417	02	01	4200491	4123972	4200409	4122329	45	VAN BUREN	L ANGELES	0412	03	1	4198374	4122900	4198416	4124046
6	MENLO	L ANGELES	0417	01	01	4200359	4118715	4200198	4113411	46	RAYMOND	L ANGELES	0317	01	1	4197696	4112172	4197842	4116071
7	MENLO	L ANGELES	0417	05	01	4200321	4113403	4200250	4112262	47	RAYMOND	L ANGELES	0317	02	1	4198005	4118755	4198067	4120161
8	ELDEN	L ANGELES	0420	01	01	4201500	4132028	4201426	4129170	48	RAYMOND	L ANGELES	0317	03	1	4197983	4120717	4198099	4124048
9	N ENGLAND	L ANGELES	0421	01	01	4201395	4127740	4201349	4125864	49	RAYMOND	L ANGELES	0317	04	1	4198261	4124026	4198307	4125348
10	ORCHARD	L ANGELES	0477	14	01	4201151	4129192	4201091	4127548	50	FEDORA	L ANGELES	0414	01	1	4198348	4129292	4198514	4133097
11	ORCHARD	L ANGELES	0477	13	01	4201027	4127530	4201018	4126574	51	ALXANDRIA	L ANGELES	0415	01	1	4198508	4134573	4198614	4137997
12	ORCHARD	L ANGELES	0477	12	01	4201181	4126536	4201135	4125082	52	EDGEMONT	L ANGELES	0416	01	1	4198735	4138005	4198795	4139809
13	ORCHARD	L ANGELES	0477	11	01	4201301	4123920	4201249	4122329	53	ALXANDRIA	L ANGELES	0415	02	1	4198494	4138021	4198714	4142144
14	ORCHARD	L ANGELES	0477	10	01	4201069	4122299	4201008	4121311	54	MARIPOSA	L ANGELES	0316	01	1	4198017	4129336	4198263	4134521
15	ORCHARD	L ANGELES	0477	09	01	4200501	4113399	4200461	4112290	55	MARIPOSA	L ANGELES	0316	02	1	4198081	4134615	4198372	4142502
16	WESLEY	L ANGELES	0422	01	01	4200766	4112252	4200630	4113397	56	NORMANDIE	L ANGELES	0315	01	1	4197700	4129340	4197878	4133827
17	VERMONT	L ANGELES	0305	01	01	4199657	4112006	4200032	4123104	57	NORMANDIE	L ANGELES	0315	02	1	4197890	4133827	4197551	4133905
18	VERMONT	L ANGELES	0305	02	01	4200030	4123118	4200421	4134133	58	NORMANDIE	L ANGELES	0315	03	1	4197547	4133921	4197754	4134589
19	VERMONT	L ANGELES	0305	03	01	4200409	4134135	4200627	4141167	59	NORMANDIE	L ANGELES	0315	04	1	4197762	4134573	4198001	4142930
20	N HMPSHRE	L ANGELES	0321	01	01	4199902	4126610	4200020	4134539	60	ARDMORE	L ANGELES	0314	01	1	4197070	4129342	4197231	4134573
21	N HMPSHRE	L ANGELES	0321	02	01	4200016	4134541	4200146	4140763	61	ARDMORE	L ANGELES	0314	02	1	4197337	4134587	4197479	4139871
22	BERENDO	L ANGELES	0320	01	01	4199625	4126640	4199687	4131908	62	ARDMORE	L ANGELES	0314	03	1	4197337	4139871	4197361	4141205
23	BERENDO	L ANGELES	0320	02	01	4199579	4131930	4199771	4140437	63	ARDMORE	L ANGELES	0314	04	1	4197578	4141187	4197652	4142984
24	BERENDO	L ANGELES	0320	03	01	4199918	4140757	4199922	4141189	64	ARDMORE	L ANGELES	0314	05	1	4196765	4126678	4196824	4128058
25	CATALINA	L ANGELES	0319	01	01	4198997	4118749	4199065	4120137	65	ARDMORE	L ANGELES	0314	06	1	4196858	4128082	4196916	4129318
26	CATALINA	L ANGELES	0319	02	01	4199246	4120135	4199362	4122515	66	KINGSLEY	L ANGELES	0313	01	1	4196579	4126702	4196615	4128090
27	CATALINA	L ANGELES	0319	03	01	4199220	4123168	4199296	4125302	67	KINGSLEY	L ANGELES	0313	02	1	4196697	4129354	4196908	4134593
28	CATALINA	L ANGELES	0319	04	01	4199296	4126640	4199384	4128210	68	KINGSLEY	L ANGELES	0313	03	1	4197010	4134607	4197150	4139901
29	CATALINA	L ANGELES	0319	05	01	4199246	4128614	4199294	4129944	69	KINGSLEY	L ANGELES	0313	04	1	4197008	4139903	4197086	4142526
30	CATALINA	L ANGELES	0319	06	01	4199356	4131930	4199320	4130588	70	KINGSLEY	L ANGELES	0313	05	1	4197291	4142500	4197265	4143488
31	CATALINA	L ANGELES	0319	07	01	4199162	4131934	4199551	4142406	71	NORMANDIE	L ANGELES	0315	05	1	4197032	4112210	4197299	4120209
32	KANSAS	L ANGELES	0408	01	01	4198983	4112140	4199089	4114771	72	NORMANDIE	L ANGELES	0315	06	1	4197209	4120203	4197501	4126686
33	WALTON	L ANGELES	0413	01	01	4198688	4113453	4198729	4114771	73	NORMANDIE	L ANGELES	0315	07	1	4197365	4126678	4197413	4128108
34	WALTON	L ANGELES	0413	02	01	4198847	4117225	4198865	4118417	74	NORMANDIE	L ANGELES	0315	08	1	4197481	4131982	4197572	4134595
35	WALTON	L ANGELES	0413	03	01	4198941	4120855	4199039	4122730	75	BRIGHTON	L ANGELES	0328	01	1	4196753	4113503	4196916	4117839
36	BUDLONG	L ANGELES	0318	01	01	4198315	4112332	4198588	4118743	76	BRIGHTON	L ANGELES	0328	02	1	4196964	4121459	4197036	4124076
37	BUDLONG	L ANGELES	0318	02	01	4198606	4120139	4198745	4124026	77	ROOSEVELT	L ANGELES	0329	01	1	4197060	4126732	4197088	4126088
38	BUDLONG	L ANGELES	0318	04	01	4198590	4124008	4198688	4126628	78	CONGRESS	L ANGELES	0411	01	1	4196795	4124122	4196820	4125408
39	BUDLONG	L ANGELES	0318	03	01	4198923	4128594	4199029	4131938	79	HALLDALE	L ANGELES	0312	01	1	4196404	4112212	4196571	4117857
40	KENMORE	L ANGELES	0322	01	01	4198532	4128608	4198845	4133097	80	HALLDALE	L ANGELES	0312	02	1	4196443	4118869	4196483	4120199

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TIME OF ENTRY - 16:40:00 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4180000 UPPER LEFT = 4180000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21313 LOWER RIGHT = 21249 LOWER LEFT = 4796 UPPER LEFT = 4830
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20124 LOWER RIGHT = 1195 LOWER LEFT = 1158 UPPER LEFT = 20166

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NO	STREET	CITY	ST.SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST.SEG	CY	STARTX	STARTY	ENDX	ENDY
1	KENSINGTON	L ANGELES	1710	01	01	4209452	4137763	4210083	4139176	41							
2	KENSINGTON	L ANGELES	1710	02	01	4210085	4139174	4210521	4139284	42							
3	KENSINGTON	L ANGELES	1710	03	01	4210517	4139286	4211369	4138792	43							
4	KENSINGTON	L ANGELES	1710	04	01	4211365	4138798	4211814	4138249	44							
5	KENSINGTON	L ANGELES	1710	05	01	4211818	4138251	4211808	4136611	45							
6	KENSINGTON	L ANGELES	1710	06	01	4211804	4136607	4212061	4136215	46							
7	LAVETA	L ANGELES	1711	01	01	4209783	4137613	4210575	4139284	47							
8	DOUGLAS	L ANGELES	1712	01	01	4210539	4137249	4211732	4139462	48							
9	KELLAM	L ANGELES	1713	01	01	4210543	4138269	4211838	4137625	49							
10	HOLLYWOOD	L ANGELES	1714	01	01	4194353	4146601	4196053	4144050	50							
11	HOLLYWOOD	L ANGELES	1714	02	01	4196027	4144066	4200610	4140999	51							
12	HOLLYWOOD	L ANGELES	1714	03	01	4200614	4140993	4204951	4139760	52							
13	HOLLYWOOD	L ANGELES	1714	04	01	4204951	4139760	4210958	4136821	53							
14	HOLLYWOOD	L ANGELES	1714	05	01	4210938	4136821	4212007	4135882	54							
15	SERRANO	L ANGELES	0309	05	01	4195069	4145741	4195071	4146943	55							
16	SERRANO	L ANGELES	0309	06	01	4194994	4146935	4194948	4149440	56							
17	KINGSLEY	L ANGELES	0313	07	01	4196555	4143640	4196547	4145438	57							
18	KINGSLEY	L ANGELES	0313	08	01	4196406	4145412	4196404	4147021	58							
19	KINGSLEY	L ANGELES	0313	09	01	4196230	4147001	4196170	4149410	59							
20	NORMANDIE	L ANGELES	0315	23	01	4196982	4143292	4196986	4149460	60							
21	CATALINA	L ANGELES	0319	11	01	4198304	4142847	4198352	4149416	61							
22	VERMONT	L ANGELES	0305	13	01	4199553	4141595	4199666	4149232	62							
23	VIRGIL	L ANGELES	0325	02	01	4201080	4140837	4201118	4145446	63							
24	VIRGIL	L ANGELES	0325	03	01	4201264	4145448	4201226	4147235	64							
25	VIRGIL	L ANGELES	0325	04	01	4201156	4147209	4200957	4148098	65							
26	HOOVER	L ANGELES	0306	16	01	4201870	4140690	4201820	4147227	66							
27	HYPERION	L ANGELES	1698	01	01	4201820	4143188	4203362	4145793	67							
28	MCHLTOREN	L ANGELES	1699	01	01	4202614	4140720	4204267	4143836	68							
29	SILVER LK	L ANGELES	1700	01	01	4202823	4140426	4205362	4142381	69							
30	LA FAYETTE	L ANGELES	0428	03	01	4204798	4140180	4205631	4								

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TIME OF ENTRY - 10:05:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20751 LOWER RIGHT = 1810 LOWER LEFT = 2021 UPPER LEFT = 21033

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1	ROSEMONT	L ANGELES	0436 01 01	4205824	4136710	4206477	4137895 41
2	ROSELAKE	L ANGELES	0437 01 01	4205960	4136614	4206708	4137893 42
3	4TH	L ANGELES	0341 09 01	4208972	4132896	4210128	4132275 43
4	TUOBERMN	L ANGELES	0446 02 01	4204069	4127030	4204750	4128193 44
5	4TH	L ANGELES	0341 09 01	4208998	4132886	4210108	4132275 45
6	IROLO	L ANGELES	0330 01 01	4197075	4129427	4197145	4131409 46
7	ELENDALD	L ANGELES	0418 01 01	4200682	4122757	4200704	4126073 47
8	ELENDALD	L ANGELES	0418 02 01	4200592	4126051	4200622	4126778 48
9	OLIVE	L ANGELES	0463 01 01	4206678	4122417	4206756	4123133 49
10	OLIVE	L ANGELES	0463 02 01	4206760	4123147	4208493	4125799 50
11	OLIVE	L ANGELES	0463 03 01	4208483	4125853	4212351	4130648 51
12							52
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TIME OF ENTRY - 14:30:00 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 14:30:00    DATE OF LAST UPDATE  87-MAY-17    OPERATOR NAME  HHS-ALLEN
MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4180000 UPPER LEFT = 4180000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21313 LOWER RIGHT = 21245 LOWER LEFT = 4792 UPPER LEFT = 4821
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20131 LOWER RIGHT = 1209 LOWER LEFT = 1150 UPPER LEFT = 20178

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WILSHIRE	L ANGELES	0302	07	01	4191239	4134906	4194370	4134882	41	RODEO	L ANGELES	2312	01	1	4182302	4120369	4186405	4120297
2	8TH	L ANGELES	0354	12	01	4190792	4133943	4191788	4133562	42	RODEO	L ANGELES	2312	02	1	4186407	4120299	4190597	4119117
3	8TH	L ANGELES	0354	13	01	4191784	4133558	4194372	4133552	43	RODEO	L ANGELES	2312	03	1	4190597	4119121	4194418	4119157
4	9TH	L ANGELES	0356	06	01	4190367	4132969	4191409	4132485	44	RODEO LN	L ANGELES	2322	01	1	4182284	4119924	4183363	4119926
5	9TH	L ANGELES	0356	07	01	4191468	4132751	4194406	4132769	45	COLISEUM	L ANGELES	2313	02	1	4188778	4119117	4189442	4119391
6	OLYMPIC	L ANGELES	0032	21	01	4186835	4133192	4190086	4132344	46	COLISEUM	L ANGELES	2313	01	1	4183351	4119169	4188772	4119111
7	OLYMPIC	L ANGELES	0032	22	01	4190080	4132338	4191933	4131543	47	39TH	L ANGELES	0392	07	1	4184723	4118412	4186137	4117847
8	OLYMPIC	L ANGELES	0032	23	01	4191929	4131553	4194378	4131565	48	39TH	L ANGELES	0392	08	1	4186183	4117861	4194378	4117811
9	COUN CLUB	L ANGELES	2318	01	01	4188818	4132240	4190192	4131599	49	SNT BRBRA	L ANGELES	0298	05	1	4186359	4116479	4194404	4116405
10	COUN CLUB	L ANGELES	2318	02	01	4190024	4131273	4190988	4131135	50	STOCKER	L ANGELES	2311	01	1	4186355	4115614	4188636	4115542
11	COUN CLUB	L ANGELES	2318	03	01	4190988	4131131	4192659	4130454	51	42ND	L ANGELES	0400	05	1	4189310	4115127	4194380	4115189
12	COUN CLUB	L ANGELES	2318	04	01	4192659	4130454	4194388	4130448	52	VERNON	L ANGELES	0404	05	1	4187200	4113839	4194384	4113845
13	12TH	L ANGELES	0360	05	01	4186373	4131699	4187607	4131233	53	GRAMERCY	L ANGELES	1901	09	1	4192821	4112489	4192851	4116433
14	0.2N PICO	L ANGELES	2499	01	01	4188028	4131197	4188624	4130932	54	GRAMERCY	L ANGELES	1901	10	1	4193040	4116409	4193072	4119131
15	PICO	L ANGELES	0096	07	01	4185116	4130115	4185894	4130257	55	GRAMERCY	L ANGELES	1901	11	1	4192837	4119129	4192867	4121761
16	PICO	L ANGELES	0096	08	01	4185912	4130261	4191207	4129598	56	GRAMERCY	L ANGELES	1901	12	1	4193058	4124303	4193068	4126972
17	PICO	L ANGELES	0096	09	01	4191211	4129606	4194394	4129646	57	WILTON	L ANGELES	2321	01	1	4192669	4126980	4192761	4134870
18	COUN CLUB	L ANGELES	2318	01	01	4185102	4130119	4185876	4129636	58	ARLINGTON	L ANGELES	1907	08	1	4191502	4119101	4191692	4119391
19	SAN VINC	L ANGELES	2315	02	01	4185876	4129632	4189506	4128298	59	ARLINGTON	L ANGELES	1907	09	1	4191500	4112477	4191504	4119075
20	SAN VINC	L ANGELES	2315	03	01	4189504	4128294	4194392	4128292	60	ARLINGTON	L ANGELES	1907	10	1	4191698	4119423	4191734	4126988
21	17TH	L ANGELES	2317	01	01	4185399	4128597	4186265	4128244	61	2ND	L ANGELES	2323	01	1	4191357	4127976	4191347	4129588
22	ST CHARL	L ANGELES	2316	01	01	4186450	4128515	4188022	4127774	62	WESTCHEST	L ANGELES	2324	01	1	4191349	4129558	4192430	4132134
23	WASHINGTON	L ANGELES	0106	18	01	4184969	4126948	4194384	4126982	63	4TH	L ANGELES	2325	01	1	4190565	4119105	4190619	4123279
24	SM FWY	L ANGELES	0124	08	01	4184296	4125096	4189302	4125356	64	4TH	L ANGELES	2325	02	1	4190637	4124296	4190627	4126996
25	SM FWY	L ANGELES	0124	09	01	4189304	4125358	4192063	4125881	65	5TH	L ANGELES	2326	01	1	4190284	4129690	4191829	4133590
26	SM FWY	L ANGELES	0124	10	01	4192051	4125885	4194394	4125963	66	6TH	L ANGELES	2327	01	1	4189891	4124331	4189913	4129005
27	ADAMS	L ANGELES	0372	03	01	4183828	4124311	4194422	4124337	67	6TH	L ANGELES	2327	02	1	4189909	4129011	4190120	4129726
28	29TH	L ANGELES	0375	07	01	4183056	4123205	4187791	4123203	68	7TH	L ANGELES	2328	01	1	4189398	4119467	4189494	4119900
29	29TH	L ANGELES	0375	08	01	4191706	4123035	4194374	4123043	69	7TH	L ANGELES	2328	02	1	4189470	4119994	4189574	4123215
30	MONTCLAIR	L ANGELES	2314	01	01	4187111	4124331	4187577	4123714	70	7TH	L ANGELES	2328	03	1	4189576	4123217	4189803	4123726
31	MONTCLAIR	L ANGELES	2314	02	01	4187579	4123718	4188487	4123265	71	7TH	L ANGELES	2328	04	1	4189801	4123722	4189827	4124353
32	MONTCLAIR	L ANGELES	2314	03	01	4188487	4123271	4191748	4123277	72									
33	JEFFERSON	L ANGELES	0380	03	01	4182344	4121809	4189183	4121739	73									
34	JEFFERSON	L ANGELES	0380	04	01	4189193	4121745	4194398	4121753	74									
35	36TH	L ANGELES	0385	04	01	4185413	4121240	4186383	4121248	75									
36	36TH	L ANGELES	0385	05	01	4186377	4121238	4188108	4120837	76									
37	36TH	L ANGELES	0385	06	01	4188112	4120835	4191698	4120785	77									
38	36TH	L ANGELES	0386	06	01	4191664	4120451	4194424	4120451	78									
39	EXPOSITN	L ANGELES	0301	03	01	4186407	4120671	4185226	4120978	79									
40	EXPOSITN	L ANGELES	0301	04	01	4185226	4120980	4182382	4121378	80									

TIME OF ENTRY - 15:35:04 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4213000 LOWER RIGHT = 4213000 LOWER LEFT = 4180000 UPPER LEFT = 4180000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4150000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4150000
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20131 LOWER RIGHT = 1208 LOWER LEFT = 1150 UPPER LEFT = 20178

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1	WESTSIDE	L ANGELES	2330	01	01	4188762	4115744	4188792	4118632	41	SUNSET	L ANGELES	1693	08	1	4209163	4140773	4211660	4139511
2	9TH	L ANGELES	2331	01	01	4188870	4112495	4188846	4113817	42	SUNSET	L ANGELES	1693	09	1	4211660	4139511	4212053	4138602
3	DEGNAN	L ANGELES	2332	01	01	4187501	4113821	4187489	4117773	43	FOUNTAIN	L ANGELES	1694	01	1	4194384	4146920	4202123	4147244
4	LEIMERT	L ANGELES	2333	01	01	4190052	4116435	4187781	4114166	44	LEXINGTON	L ANGELES	1695	01	1	4197942	4146389	4201955	4146389
5	LEIMERT	L ANGELES	2333	02	01	4187783	4114168	4187793	4112523	45	SNTA MNCA	L ANGELES	1696	01	1	4194346	4145432	4201979	4145470
6	EDGEHILL	L ANGELES	2334	01	01	4187613	4117771	4187661	4119962	46	SNTA MNCA	L ANGELES	1696	02	1	4201983	4145470	4203068	4146151
7	EDGEHILL	L ANGELES	2334	02	01	4187793	4120873	4187799	4123193	47	ROMAINE	L ANGELES	0332	02	1	4195659	4144600	4197755	4144586
8	EDGEHILL	L ANGELES	2334	03	01	4187799	4123193	4188479	4124345	48	ROMAINE	L ANGELES	0332	03	1	4199641	4144654	4201847	4144654
9	EDGEHILL	L ANGELES	2334	04	01	4188479	4124339	4188455	4125590	49	MELROSE	L ANGELES	0333	02	1	4197629	4142764	4201861	4142792
10	EDGEHILL	L ANGELES	2334	05	01	4188453	4125588	4189029	4126960	50	MDDL BURRY	L ANGELES	1697	01	1	4199977	4141428	4201167	4141444
11	CRENSHAW	L ANGELES	1915	07	01	4187765	4112517	4187224	4113831	51	DELMAR	L ANGELES	1701	01	1	4202400	4145331	4202924	4145037
12	CRENSHAW	L ANGELES	1915	08	01	4187228	4113831	4186416	4115043	52	WINSLOW	L ANGELES	1702	01	1	4203437	4144454	4204297	4143811
13	CRENSHAW	L ANGELES	1915	09	01	4186418	4115045	4186327	4116413	53	MARATHON	L ANGELES	1703	01	1	4202121	4142898	4202713	4142716
14	CRENSHAW	L ANGELES	1915	10	01	4186333	4116411	4186405	4124303	54	MARATHON	L ANGELES	1703	02	1	4202717	4142718	4206494	4140753
15	CRENSHAW	L ANGELES	1915	11	01	4186403	4124311	4189189	4130341	55	MARATHON	L ANGELES	1703	03	1	4206612	4140661	4207920	4140010
16	CRENSHAW	L ANGELES	1915	12	01	4189183	4130345	4191251	4134910	56	BELLEVUE	L ANGELES	1704	01	1	4201833	4141742	4206111	4139499
17	VIRGINIA	L ANGELES	2335	01	01	4184691	4117731	4185112	4119161	57	BELLEVUE	L ANGELES	1704	02	1	4206109	4139501	4207314	4138862
18	VIRGINIA	L ANGELES	2335	02	01	4185122	4119157	4185078	4124317	58	BELLEVUE	L ANGELES	1704	03	1	4207605	4138744	4208622	4138217
19	VIRGINIA	L ANGELES	2335	03	01	4185770	4125472	4186357	4126954	59	BELLEVUE	L ANGELES	1704	04	1	4208906	4138077	4210994	4137017
20	VIRGINIA	L ANGELES	2335	04	01	4186470	4126946	4187438	4129088	60	BELLEVUE	L ANGELES	1704	05	1	4211002	4137011	4211983	4137161
21	VIRGINIA	L ANGELES	2335	05	01	4187751	4129975	4188945	4132583	61	KENT	L ANGELES	1705	01	1	4207669	4139561	4208718	4138952
22	0.2W CRSH	L ANGELES	2500	01	01	4185665	4125542	4185675	4124801	62	BELMONT	L ANGELES	1706	01	1	4208591	4138219	4208724	4138968
23	0.3S SBAR	L ANGELES	2501	01	01	4188598	4115752	4189245	4115007	63	GLENDALE	L ANGELES	1707	01	1	4208944	4137802	4208784	4139887
24	MUIRFIELD	L ANGELES	2336	01	01	4184227	4119145	4184249	4121114	64	GLENDALE	L ANGELES	1707	02	1	4208786	4139883	4209159	4140789
25	HILLCREST	L ANGELES	2337	01	01	4184061	4121124	4184041	4124331	65	PARK	L ANGELES	1708	01	1	4208826	4140036	4209739	4139593
26	FARMDALE	L ANGELES	2338	01	01	4183076	4120190	4183100	4123205	66	ECHO PARK	L ANGELES	1709	01	1	4209444	4137776	4209362	4138888
27	VINEYARD	L ANGELES	2319	01	01	4182386	4121282	4182394	4121977	67	ECHO PARK	L ANGELES	1709	02	1	4209362	4138896	4210132	4140348
28	VINEYARD	L ANGELES	2319	02	01	4182396	4121953	4183088	4124305	68									
29	VINEYARD	L ANGELES	2319	03	01	4183768	4124321	4184251	4124973	69									
30	VINEYARD	L ANGELES	2319	04	01	4184478	4125536	4185876	4129630	70									
31	RIMPAU	L ANGELES	2320	01	01	4185914	4130231	4186837	4133170	71									
32	HOLLYWOOD	L ANGELES	1692	01	01	4194372	4149405	4199332	4149397	72									
33	HOLLYWOOD	L ANGELES	1692	02	01	4199328	4149403	4201042	4148148	73									
34	HOLLYWOOD	L ANGELES	1692	02	01	4201048	4148150	4202071	4147230	74									
35	SUNSET	L ANGELES	1693	03	01	4202075	4147226	4203092	4146165	75									
36	SUNSET	L ANGELES	1693	01	01	4194392	4148058	4201105	4148116	76									
37	SUNSET	L ANGELES	1693	04	01	4203497	4145542	4204167	4145117	77									
38	SUNSET	L ANGELES	1693	05	01	4204171	4145113	4205304	4142403	78									
39	SUNSET	L ANGELES	1693	06	01	4205306	4142405	4207679	4140599	79									
40	SUNSET	L ANGELES	1693	07	01	4207705	4140572	4209155	4140789	80									

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TIME OF ENTRY - 15:00:00 · DATE OF LAST UPDATE 03-FEB-77 · OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14574 LOWER RIGHT = 602 LOWER LEFT = 719 UPPER LEFT = 14684

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1	45TH	L ANGELES	0405	05	01	4212859	4113387	4214015	4113385	41	HARBOR	COMMERCE	0165	01	8	4237768	4115149	4238596	4114233
2	45TH	L ANGELES	0405	06	01	4214583	4113401	4215464	4113397	42	HARBOR	COMMERCE	0165	02	8	4238602	4114231	4239729	4113810
3	43RD	L ANGELES	0402	03	01	4212282	4114554	4213095	4114440	43	HARBOR	COMMERCE	0165	03	8	4239733	4113808	4240565	4113664
4	43RD	L ANGELES	0402	04	01	4213023	4114554	4214281	4114406	44	HARBOR	COMMERCE	0165	04	8	4240575	4113660	4241588	4113269
5	43RD	L ANGELES	0402	05	01	4214341	4114207	4215470	4114207	45	ASTOR	COMMERCE	0122	01	8	4236147	4115057	4239455	4115569
6	VERNON	L ANGELES	0404	03	01	4211932	4113848	4218195	4113788	46	TRIGGS	LA COUNTY	0138	01	2	4233018	4117598	4236794	4117628
7	VERNON	VERNON	0404	04	17	4218241	4113770	4218237	4114295	47	UNION PAC	LA COUNTY	0039	01	2	4240311	4117245	4236848	4118139
8	VERNON	VERNON	0404	05	17	4218233	4114289	4225875	4114450	48	UNION PAC	LA COUNTY	0039	02	2	4235039	4118364	4224890	4118354
9	PACIFIC	VERNON	0115	01	17	4218233	4113836	4219424	4113598	49	PICO	L ANGELES	0096	01	1	4221317	4119785	4223131	4118931
10	PACIFIC	VERNON	0115	02	17	4219422	4113602	4219740	4112425	50	PICO	L ANGELES	0096	02	1	4223127	4118929	4227091	4118893
11	LEONIS	VERNON	0120	01	17	4219746	4112389	4225899	4112461	51	OLYMPIC	L ANGELES	0032	03	1	4223914	4119196	4235711	4119208
12	46TH	VERNON	0406	07	17	4221409	4113050	4224662	4113114	52	OLYMPIC	LA COUNTY	0032	01	2	4235737	4119268	4240693	4118029
13	46TH	VERNON	0406	08	17	4224642	4113104	4225907	4113267	53	OLYMPIC	LA COUNTY	0032	02	2	4243773	4117267	4249816	4116154
14	46TH	VERNON	0406	09	17	4225913	4113261	4228222	4112942	54	HEREFORD	LA COUNTY	0041	02	2	4244325	4115996	4249780	4115376
15	46TH	VERNON	0406	10	17	4228220	4112944	4228166	4112385	55	FAIRFIELD	LA COUNTY	0040	01	2	4243881	4116952	4245996	4116559
16	44TH	VERNON	0118	01	17	4221413	4113734	4225899	4113770	56	FAIRFIELD	LA COUNTY	0040	02	2	4246930	4116399	4249828	4115799
17	41ST	L ANGELES	0398	06	01	4211986	4115749	4214371	4115334	57	ALLSTON	LA COUNTY	0042	01	2	4243705	4117227	4244763	4118251
18	41ST	VERNON	0398	07	17	4214363	4115332	4218189	4115318	58	ALLSTON	LA COUNTY	0042	02	2	4244777	4118239	4249816	4116932
19	41ST	VERNON	0398	08	17	4218195	4115314	4219005	4115593	59	VERONA	LA COUNTY	0033	02	2	4241022	4118692	4239611	4119208
20	37TH	VERNON	0387	08	17	4215486	4115657	4221363	4115613	60	VERONA	LA COUNTY	0033	01	2	4239611	4119208	4235707	4120244
21	BANDINI	VERNON	0112	01	17	4221365	4115623	4225430	4115557	61	OLYMPIC	L ANGELES	0032	07	1	4225220	4119168	4220620	4121638
22	BANDINI	VERNON	0112	02	17	4225428	4115544	4233324	4112369	62	OLYMPIC	L ANGELES	0032	08	1	4220624	4121638	4218279	4121726
23	27TH	VERNON	0373	09	17	4215414	4117038	4219660	4117060	63	OLYMPIC	L ANGELES	0032	09	1	4218307	4121688	4215564	4122454
24	26TH	VERNON	0109	01	17	4218205	4117584	4221351	4117616	64	OLYMPIC	L ANGELES	0032	10	1	4215566	4122450	4212012	4126191
25	26TH	VERNON	0109	02	17	4221353	4117622	4223874	4116898	65	11TH	L ANGELES	0097	01	1	4221355	4120866	4224208	4119406
26	26TH	VERNON	0109	03	17	4223880	4116896	4225086	4116786	66	SM FWY	L ANGELES	0124	01	1	4212012	4122107	4214141	4120928
27	26TH	VERNON	0109	04	17	4225086	4116784	4235811	4112330	67	SM FWY	L ANGELES	0124	02	1	4214141	4120930	4220396	4123386
28	24TH	L ANGELES	0370	06	01	4213303	4118277	4214279	4117951	68	15TH	L ANGELES	0362	05	1	4212861	4122347	4213983	4121445
29	24TH	L ANGELES	0370	07	01	4214287	4117944	4215362	4117802	69	15TH	L ANGELES	0362	06	1	4213987	4121445	4218855	4119837
30	25TH	L ANGELES	0371	05	01	4215398	4117790	4225520	4117726	70	14TH	L ANGELES	0104	01	1	4211988	4123462	4214389	4122037
31	WASHINGTON	L ANGELES	0106	01	01	4211992	4121399	4214053	4119994	71	14TH	L ANGELES	0104	02	1	4214371	4122047	4216786	4121259
32	WASHINGTON	L ANGELES	0106	02	01	4214051	4120004	4216732	4119332	72	12TH	L ANGELES	0103	01	1	4211982	4124236	4213683	4123438
33	WASHINGTON	L ANGELES	0106	03	01	4216738	4119330	4218667	4119268	73	12TH	L ANGELES	0103	02	1	4213683	4123430	4214597	4122456
34	WASHINGTON	L ANGELES	0106	04	01	4218663	4119268	4219340	4118680	74	11TH	L ANGELES	0097	02	1	4212480	4124409	4213853	4123711
35	WASHINGTON	L ANGELES	0106	05	01	4219356	4118680	4222467	4118598	75	10TH	L ANGELES	0102	01	1	4212116	4125040	4213937	4123851
36	WASHINGTON	L ANGELES	0106	06	01	4222487	4118598	4225042	4117411	76	GLENN	L ANGELES	0160	01	1	4221995	4122229	4222161	4121361
37	WASHINGTON	L ANGELES	0106	07	01	4225038	4117411	4228530	4116934	77	GLENN	L ANGELES	0160	02	1	4222163	4121359	4223918	4120469
38	WASHINGTON	L ANGELES	0106	08	01	4228528	4116934	4239831	4112266	78	8TH	L ANGELES	0354	11	1	4220968	4122821	4227415	4119404
39	SHEILA	COMMERCE	0121	01	18	4229852	4115851	4236978	4112884	79									
40	SHEILA	COMMERCE	0121	02	18	4236978	4112882	4239525	4114873	80									

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TIME OF ENTRY - 16:00:04 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 16:00:04    DATE OF LAST UPDATE - 85-FEB-11    OPERATOR NAME - AINSWORTH
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14574 LOWER RIGHT = 602 LOWER LEFT = 719 UPPER LEFT = 14584

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GARNET	L ANGELES	0129	01	01	4224002	4122003	4227747	4120048	41	VSDELARRO	LA COUNTY	0135	03	2	4247481	4121191	4248281	4121776
2	7TH	L ANGELES	0352	09	01	4228184	4120888	4225228	4122498	42	VSDELARRO	LA COUNTY	0135	04	2	4248275	4121772	4248653	4121413
3	SANTA ANA	COMMERCE	0123	09	18	4242898	4112310	4238801	4116603	43	DEWAR	LA COUNTY	0131	01	2	4243439	4123312	4245906	4123360
4	SANTA ANA	COMMERCE	0123	08	18	4238795	4116605	4233070	4119595	44	3RD	LA COUNTY	0340	08	2	4229760	4124425	4243723	4124435
5	SANTA ANA	L ANGELES	0123	07	01	4233076	4119587	4229124	4119793	45	POMONA FY	MNTRY PRK	0130	07	7	4244115	4124288	4249892	4124332
6	SANTA ANA	L ANGELES	0123	06	01	4229124	4119791	4221078	4124086	46	POMONA FY	LA COUNTY	0130	06	2	4244133	4124338	4241578	4125556
7	SANTA ANA	L ANGELES	0123	05	01	4221080	4124082	4220796	4130111	47	POMONA FY	LA COUNTY	0130	05	2	4241574	4125558	4236584	4125337
8	SANTA ANA	L ANGELES	0123	04	01	4220800	4130107	4220054	4131528	48	POMONA FY	LA COUNTY	0130	04	2	4236584	4125351	4233310	4124555
9	SANTA ANA	L ANGELES	0123	03	01	4220050	4131514	4215998	4132034	49	POMONA FY	LA COUNTY	0130	03	2	4233310	4124553	4229904	4123747
10	SANTA ANA	L ANGELES	0123	02	01	4215994	4132036	4213453	4134027	50	POMONA FY	LA COUNTY	0130	02	2	4229892	4123741	4225046	4122530
11	SANTA ANA	L ANGELES	0123	01	01	4213453	4134019	4212080	4135970	51	POMONA FY	LA COUNTY	0130	01	2	4225058	4122516	4221331	4123831
12	7TH	L ANGELES	0352	08	01	4224690	4122817	4220632	4124904	52	5TH	L ANGELES	0347	06	1	4211998	4129959	4213549	4128760
13	7TH	L ANGELES	0352	07	01	4220630	4124906	4215786	4125092	53	5TH	L ANGELES	0347	07	1	4213551	4128745	4215410	4127569
14	7TH	L ANGELES	0352	06	01	4215784	4125096	4212012	4128284	54	4TH	L ANGELES	0341	10	1	4212016	4130833	4213447	4129574
15	8TH	L ANGELES	0354	10	01	4217375	4123123	4219194	4123150	55	4TH	L ANGELES	0341	11	1	4213449	4129568	4215392	4128334
16	BAY	L ANGELES	0159	01	01	4216987	4123819	4218079	4123821	56	4TH	L ANGELES	0341	12	1	4215394	4128334	4216724	4128264
17	BAY	L ANGELES	0159	02	01	4218311	4123823	4219041	4123843	57	3RD	L ANGELES	0340	05	1	4212052	4131637	4213549	4130450
18	8TH	L ANGELES	0354	09	01	4215584	4123346	4212580	4126420	58	3RD	L ANGELES	0340	06	1	4213561	4130418	4215870	4128968
19	8TH	L ANGELES	0354	08	01	4212012	4127344	4212560	4126402	59	3RD	L ANGELES	0340	07	1	4215872	4128968	4216726	4128338
20	PERCY	L ANGELES	0094	01	01	4227557	4122710	4229728	4121519	60	4TH	L ANGELES	0341	13	1	4216744	4128308	4217755	4127565
21	PRINCETON	LA COUNTY	0060	01	02	4229752	4122243	4232694	4122247	61	4TH	L ANGELES	0341	14	1	4217755	4127561	4219172	4127522
22	6TH	LA COUNTY	0349	06	02	4228476	4123174	4229696	4122534	62	4TH	L ANGELES	0341	15	1	4219134	4127532	4220522	4128032
23	6TH	LA COUNTY	0349	07	02	4229744	4122632	4233460	4122590	63	4TH	L ANGELES	0341	16	1	4220526	4128030	4222233	4128026
24	5TH	LA COUNTY	0347	10	02	4229758	4123354	4231501	4123294	64	2ND	L ANGELES	0339	09	1	4212064	4132497	4215756	4129568
25	5TH	LA COUNTY	0347	11	02	4231503	4123300	4232009	4122953	65	2ND	L ANGELES	0339	10	1	4215758	4129568	4217583	4129527
26	5TH	LA COUNTY	0347	12	02	4232009	4122959	4232974	4122953	66	1ST	L ANGELES	0338	05	1	4212030	4133237	4215534	4130323
27	HUBBARD	LA COUNTY	0035	01	02	4236405	4121592	4247613	4118700	67	1ST	L ANGELES	0338	06	1	4215534	4130323	4221717	4129527
28	6TH	LA COUNTY	0349	08	02	4236604	4122454	4245896	4119984	68	TEMPLE	L ANGELES	0342	04	1	4212072	4135208	4212699	4134237
29	EAGLE	LA COUNTY	0037	01	02	4238134	4122907	4240079	4122400	69	TEMPLE	L ANGELES	0342	05	1	4212697	4134239	4214810	4132122
30	EAGLE	LA COUNTY	0037	02	02	4240589	4122273	4244007	4121385	70	TURNER	L ANGELES	0128	01	1	4214808	4132124	4216100	4130815
31	4TH	LA COUNTY	0341	18	02	4238308	4123733	4241806	4122805	71	TURNER	L ANGELES	0128	02	1	4216102	4130815	4218067	4130522
32	BEVERLY	LA COUNTY	0133	01	02	4241004	4124359	4245368	4121155	72	6TH	L ANGELES	0349	05	1	4222161	4126586	4227731	4123591
33	BEVERLY	LA COUNTY	0133	02	02	4245366	4121155	4247058	4120697	73	5TH	L ANGELES	0347	08	1	4226053	4125199	4227443	4124477
34	BEVERLY	LA COUNTY	0133	03	02	4247048	4120697	4248313	4119817	74	5TH	L ANGELES	0347	09	1	4228004	4124182	4229006	4123611
35	BEVERLY	LA COUNTY	0133	04	02	4248313	4119817	4249820	4120034	75	4TH	L ANGELES	0341	17	1	4222197	4128022	4229664	4123952
36	VIA CRONA	LA COUNTY	0134	01	02	4246044	4120663	4247038	4120338	76	2ND	L ANGELES	0339	11	1	4221467	4129189	4224216	4127791
37	VIA CRONA	LA COUNTY	0134	02	02	4247080	4120322	4248373	4119526	77	2ND	L ANGELES	0339	12	1	4224160	4127679	4228600	4125297
38	VIA CRONA	LA COUNTY	0134	03	02	4248359	4119532	4249786	4119741	78	1ST	L ANGELES	0338	07	1	4221709	4129537	4223650	4120531
39	VSDELARRO	LA COUNTY	0135	01	02	4241950	4124038	4245698	4121363	79									
40	VSDELARRO	LA COUNTY	0135	02	02	4245698	4121367	4247461	4121199	80									

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TIME OF ENTRY - 10:00:11 DATE OF LAST UPDATE 07-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4140000

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MAP Y-COORDINATE DATA - UPPER RIGHT = 414888 LOWER RIGHT = 412888 LOWER LEFT = 412888 UPPER LEFT = 414888
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20772 LOWER RIGHT = 20734 LOWER LEFT = 1238 UPPER LEFT = 1289
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GARFIELD	MNTRY PRK	0031	13	07	4249110	4128360	4249014	4129893	41	BRADSHAW	LA COUNTY	0019	01	2	4244295	4118708	4245315	4121593
2	GARFIELD	MNTRY PRK	0031	14	07	4249016	4129897	4249336	4130497	42	BRADSHAW	LA COUNTY	0019	02	2	4245319	4121591	4245297	4124213
3	GARFIELD	MNTRY PRK	0031	15	07	4249334	4130501	4249872	4132323	43	BRADSHAW	MNTRY PRK	0019	03	7	4245303	4124211	4245357	4127073
4	YNEZ	MNTRY PRK	0003	05	07	4245583	4128105	4246121	4129949	44	SIMMONS	LA COUNTY	0074	01	2	4244719	4123978	4244699	4122122
5	YNEZ	MNTRY PRK	0003	04	07	4246111	4129923	4246507	4130663	45	SIMMONS	LA COUNTY	0074	02	2	4244693	4122122	4244543	4120953
6	YNEZ	MNTRY PRK	0003	03	07	4246511	4130655	4247377	4131108	46	SIMMONS	LA COUNTY	0074	03	2	4244535	4120953	4243963	4118779
7	YNEZ	MNTRY PRK	0003	02	07	4247379	4131120	4248904	4133108	47	SIMMONS	LA COUNTY	0074	04	2	4243394	4115894	4243702	4118845
8	YNEZ	MNTRY PRK	0003	01	07	4248894	4133070	4248924	4138408	48	SIMMONS	LA COUNTY	0074	05	2	4243652	4118817	4244273	4121194
9	EL MRCADO	MNTRY PRK	0016	01	07	4246301	4130956	4246913	4131268	49	GERHART	LA COUNTY	0044	01	2	4243318	4118947	4243971	4121404
10	EL MRCADO	MNTRY PRK	0016	02	07	4246903	4131264	4247395	4132220	50	GERHART	LA COUNTY	0044	02	2	4243973	4121404	4244361	4121890
11	EL MRCADO	MNTRY PRK	0016	03	07	4247393	4132218	4247347	4132968	51	GERHART	LA COUNTY	0044	03	2	4244365	4121896	4244319	4125592
12	HELLMAN	ALHAMBRA	0001	01	09	4243212	4137654	4249878	4137636	52	SADLER	LA COUNTY	0045	01	2	4242730	4119109	4243420	4121759
13	EMERSON	MNTRY PRK	0004	01	07	4246943	4136317	4249874	4136338	53	SADLER	LA COUNTY	0045	02	2	4243418	4121761	4243396	4124469
14	NEWMARK	MNTRY PRK	0005	01	07	4247601	4134000	4249852	4134048	54	EASTMONT	LA COUNTY	0046	01	2	4242146	4119252	4242844	4122188
15	HARDING	MNTRY PRK	0006	01	07	4246519	4132780	4249864	4132816	55	MARGARET	LA COUNTY	0047	01	2	4241576	4119753	4242344	4122567
16	GARFIELD	COMMERCE	0031	01	18	4247593	4112224	4248113	4113453	56	MARGARET	LA COUNTY	0047	02	2	4242342	4122567	4243332	4123968
17	GARFIELD	COMMERCE	0031	02	18	4248135	4113451	4248105	4115014	57	HILLVIEW	LA COUNTY	0048	01	2	4240956	4119546	4241788	4122852
18	GARFIELD	COMMERCE	0031	03	18	4248127	4115042	4248713	4118408	58	HILLVIEW	LA COUNTY	0048	02	2	4241782	4122850	4242590	4124104
19	GARFIELD	COMMERCE	0031	04	18	4248713	4118398	4247463	4119627	59	ATLANTIC	LA COUNTY	0049	01	2	4239982	4115606	4239636	4117157
20	GARFIELD	MNTEBELLO	0031	05	03	4247463	4119633	4247319	4120294	60	ATLANTIC	LA COUNTY	0049	02	2	4239630	4117159	4241458	4124048
21	GARFIELD	MNTEBELLO	0031	06	03	4247315	4120284	4247567	4120805	61	ATLANTIC	LA COUNTY	0049	03	2	4241458	4124048	4244841	4126883
22	GARFIELD	MNTEBELLO	0031	07	03	4247577	4120801	4248876	4122072	62	HUNTINGTN	MNTRY PRK	0009	01	7	4249862	4134995	4249874	4137644
23	GARFIELD	MNTEBELLO	0031	08	03	4248878	4122068	4249128	4122818	63	MOORE	MNTRY PRK	0015	01	7	4248453	4132800	4248455	4137650
24	GARFIELD	MNTEBELLO	0031	09	03	4249132	4122822	4248593	4124361	64	CHANDLER	MNTRY PRK	0014	01	7	4248053	4132467	4248005	4137634
25	LINCOLN	MNTRY PRK	0030	01	07	4249322	4129388	4249408	4129975	65	HITCHCOCK	MNTRY PRK	0012	01	7	4245487	4134872	4245099	4135522
26	LINCOLN	MNTRY PRK	0030	02	07	4249394	4129969	4249854	4130521	66	HITCHCOCK	MNTRY PRK	0012	02	7	4245099	4135518	4245221	4136293
27	MTRY PASS	LA COUNTY	0059	01	02	4238937	4129440	4240068	4130897	67	HITCHCOCK	MNTRY PRK	0012	03	7	4245221	4136285	4244997	4136658
28	MTRY PASS	LA COUNTY	0059	02	02	4240054	4130914	4242038	4131441	68	HITCHCOCK	MNTRY PRK	0012	04	7	4245005	4136662	4245051	4137340
29	MTRY PASS	LA COUNTY	0059	03	02	4242022	4131469	4244089	4133371	69	FREEMONT	MNTRY PRK	0011	01	7	4244039	4134187	4242534	4137476
30	MTRY PASS	MNTRY PRK	0059	04	07	4244127	4133373	4245531	4134922	70	EL PASEO	MNTRY PRK	0013	01	7	4242172	4134852	4242194	4136532
31	CONCOURSE	LA COUNTY	0075	01	02	4249094	4115046	4249476	4117321	71	GARVEY	MNTRY PRK	0166	01	7	4240806	4136338	4241748	4134934
32	CONCOURSE	LA COUNTY	0075	02	02	4249470	4117323	4249792	4118127	72	GARVEY	MNTRY PRK	0166	02	7	4241746	4134934	4243202	4134644
33	HAY	LA COUNTY	0043	01	02	4247191	4117949	4247395	4118859	73	GARVEY	MNTRY PRK	0166	03	7	4243206	4134646	4244045	4134062
34	HANOVER	LA COUNTY	0056	01	02	4245933	4115784	4246181	4117915	74									
35	FINDLAY	LA COUNTY	0136	01	02	4245813	4118292	4246207	4119771	75									
36	FINDLAY	LA COUNTY	0136	02	02	4246209	4119765	4246235	4127021	76									
37	HENDRICKS	LA COUNTY	0018	01	02	4245881	4120839	4245893	4124175	77									
38	HENDRICKS	MNTRY PRK	0018	02	07	4245905	4124107	4245943	4127213	78									
39	HENDRICKS	LA COUNTY	0018	03	02	4244951	4115612	4245943	4120019	79									
40	SCHOOL	LA COUNTY	0132	01	02	4244863	4118528	4245383	4120412	80									

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TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 07-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 10:00:00    DATE OF LAST UPDATE  01-FEB-77    OPERATOR NAME  HHS/SPRUELL
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MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20772 LOWER RIGHT = 20734 LOWER LEFT = 1238 UPPER LEFT = 1289
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	BROOKLYN	L ANGELES	0073	01	01	4220770	4131689	4229504	4127013	41	BRADSHAW	MNTRY PRK	0019	04	7	4245271	4127033	4245541	4127458
2	FOLSOM	L ANGELES	0069	02	01	4225415	4130102	4226573	4129442	42	BRADSHAW	MNTRY PRK	0019	05	7	4245543	4127460	4246453	4127807
3	MALABAR	L ANGELES	0091	01	01	4226795	4129923	4229652	4128428	43	BRADSHAW	MNTRY PRK	0019	06	7	4246465	4127807	4246587	4128590
4	MALABAR	L ANGELES	0091	02	01	4229650	4128444	4230952	4128578	44	BRADSHAW	MNTRY PRK	0019	07	7	4246593	4128590	4247361	4129975
5	BLANCHARD	L ANGELES	0090	01	01	4225905	4131042	4227053	4130408	45	BRADSHAW	MNTRY PRK	0019	08	7	4247365	4129973	4247729	4130086
6	BLANCHARD	L ANGELES	0090	02	01	4227119	4130505	4229718	4129112	46	BRADSHAW	MNTRY PRK	0019	09	7	4247729	4130086	4248199	4131194
7	BLANCHARD	L ANGELES	0090	03	01	4229712	4129126	4231716	4129085	47	BRADSHAW	MNTRY PRK	0019	10	7	4248203	4131194	4249236	4132174
8	BLANCHARD	LA COUNTY	0090	04	02	4231718	4129087	4232088	4128953	48	BRIGHTWOD	MNTRY PRK	0028	01	7	4238979	4128815	4241772	4128867
9	WABASH	L ANGELES	0089	01	01	4226269	4131655	4229820	4129783	49	BRIGHTWOD	MNTRY PRK	0028	02	7	4241770	4128861	4243975	4127793
10	MOTT	L ANGELES	0084	02	01	4227423	4131034	4228105	4131070	50	BRIGHTWOD	MNTRY PRK	0028	03	7	4243973	4127791	4245387	4127656
11	SN B FWY	L ANGELES	0126	01	01	4223314	4132649	4225621	4131789	51	BRIGHTWOD	MNTRY PRK	0028	04	7	4245385	4127658	4246009	4127933
12	SN B FWY	L ANGELES	0126	02	01	4225623	4131787	4226933	4132465	52	BRIGHTWOD	MNTRY PRK	0028	05	7	4246009	4127935	4247193	4127492
13	SN B FWY	L ANGELES	0126	03	01	4226935	4132465	4231796	4132525	53	MIRAVALLE	MNTRY PRK	0027	01	7	4247341	4131950	4247937	4131826
14	SN B FWY	LA COUNTY	0126	04	02	4231784	4132515	4236251	4134908	54	MIRAVALLE	MNTRY PRK	0027	02	7	4247943	4131799	4247445	4130619
15	SN B FWY	LA COUNTY	0126	05	02	4236255	4134914	4237905	4134517	55	MIRAVALLE	MNTRY PRK	0027	03	7	4247449	4130619	4246697	4129835
16	SN B FWY	ALHAMBRA	0126	06	09	4237907	4134517	4243939	4138278	56	MIRAVALLE	MNTRY PRK	0027	04	7	4246697	4129835	4246281	4128115
17	SN B FWY	ALHAMBRA	0126	07	09	4243945	4138280	4249966	4138336	57	ISABELLA	MNTRY PRK	0029	01	7	4248303	4124461	4248181	4125856
18	2ND	LA COUNTY	0339	13	02	4232670	4125010	4235201	4125020	58	ISABELLA	MNTRY PRK	0029	02	7	4248177	4125858	4248557	4126682
19	2ND	LA COUNTY	0339	14	02	4235205	4125020	4237447	4125067	59	ISABELLA	MNTRY PRK	0029	03	7	4248551	4126680	4248659	4127616
20	1ST	LA COUNTY	0338	09	02	4229712	4125433	4232716	4125427	60	ISABELLA	MNTRY PRK	0029	04	7	4248653	4127618	4248459	4127805
21	1ST	LA COUNTY	0338	10	02	4232716	4125419	4233178	4125293	61	ISABELLA	MNTRY PRK	0029	05	7	4248459	4127807	4248311	4128907
22	1ST	LA COUNTY	0338	11	02	4233178	4125299	4234633	4125734	62	ISABELLA	MNTRY PRK	0029	06	7	4248307	4128899	4248373	4130130
23	1ST	LA COUNTY	0338	12	02	4234637	4125758	4241798	4125802	63	ISABELLA	MNTRY PRK	0029	07	7	4248381	4130126	4249112	4131110
24	1ST	LA COUNTY	0338	13	02	4241802	4125806	4242546	4126013	64	ISABELLA	MNTRY PRK	0029	08	7	4249110	4131110	4248727	4131240
25	1ST	LA COUNTY	0338	14	02	4242548	4126015	4243286	4125393	65	REPETTO	MNTRY PRK	0008	01	7	4244351	4129216	4245529	4129230
26	GLEASON	LA COUNTY	0025	01	02	4243538	4125006	4245915	4125004	66	REPETTO	MNTRY PRK	0008	02	7	4245529	4129228	4245923	4129047
27	GLEASON	LA COUNTY	0025	02	02	4246727	4125014	4248247	4125032	67	REPETTO	MNTRY PRK	0008	03	7	4245923	4129047	4246561	4128608
28	RIGGIN	LA COUNTY	0024	01	02	4243937	4125584	4249852	4125700	68	REPETTO	MNTRY PRK	0008	04	7	4246559	4128606	4247187	4128574
29	FLORAL	MNTRY PRK	0023	01	07	4244741	4126257	4247759	4126217	69	REPETTO	MNTRY PRK	0008	05	7	4247185	4128570	4247537	4128959
30	ANDRIX	MNTRY PRK	0022	01	07	4246271	4126704	4247455	4126702	70	REPETTO	MNTRY PRK	0008	06	7	4247539	4128959	4248353	4128923
31	ELMGATE	MNTRY PRK	0021	01	07	4246239	4126977	4246589	4127221	71	REPETTO	MNTRY PRK	0008	07	7	4248367	4128923	4248653	4129426
32	ELMGATE	MNTRY PRK	0021	02	07	4246587	4127219	4249168	4127127	72	REPETTO	MNTRY PRK	0008	08	7	4248663	4129426	4249520	4129362
33	ELMGATE	MNTRY PRK	0021	03	07	4249164	4127127	4249848	4126215	73	ATLANTIC	MNTRY PRK	0049	04	7	4244045	4126863	4247353	4133247
34	GRNDRIDGE	MNTRY PRK	0020	01	07	4246573	4128242	4246943	4128310	74	ATLANTIC	MNTRY PRK	0049	05	7	4247365	4133203	4247361	4138412
35	GRNDRIDGE	MNTRY PRK	0020	02	07	4246941	4128310	4247513	4126514	75	GARFIELD	MNTRY PRK	0031	10	7	4248573	4124381	4248497	4125810
36	GRNDRIDGE	MNTRY PRK	0020	03	07	4247611	4126514	4248567	4126017	76	GARFIELD	MNTRY PRK	0031	11	7	4248499	4125812	4248844	4126560
37	GRNDRIDGE	MNTRY PRK	0020	04	07	4247023	4128117	4247537	4120498	77	GARFIELD	MNTRY PRK	0031	12	7	4248844	4126556	4249102	4128394
38	GRNDRIDGE	MNTRY PRK	0020	05	07	4247537	4128498	4247775	4129456	78									
39	GRNDRIDGE	MNTRY PRK	0020	06	07	4247781	4129460	4249062	4131832	79									
40	GRNDRIDGE	MNTRY PRK	0020	07	07	4249070	4131846	4249872	4132343	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0017.002 REVISION 2

TIME OF ENTRY - 10:30:05 DATE OF LAST UPDATE 07-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4140000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20772 LOWER RIGHT = 20734 LOWER LEFT = 1238 UPPER LEFT = 1289

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	
1 GARVEY	MNTRY PRK	0166	04	07	4244055	4134085	4244629	4134279	41 SUNOL	LA COUNTY	0077	01	2	4233722	4116638	4233724	4119208
2 GARVEY	MNTRY PRK	0166	05	07	4244627	4134273	4245497	4134952	42 SUNOL	LA COUNTY	0077	02	2	4233714	4120444	4233750	4121034
3 GARVEY	MNTRY PRK	0166	06	07	4245541	4134968	4249860	4134977	43 DOWNEY	LA COUNTY	0068	01	2	4233412	4116650	4233412	4124441
4 CARLOS	MNTRY PRK	0010	01	07	4242558	4135750	4244851	4135796	44 HAZARD	LA COUNTY	0063	01	2	4233506	4127033	4233512	4129693
5 NEWMARK	MNTRY PRK	0005	02	07	4244355	4133846	4245851	4133832	45 RECORD	LA COUNTY	0067	01	2	4232614	4119841	4232650	4122657
6 EASTERN	MNTRY PRK	0057	11	07	4239492	4112300	4239906	4115531	46 GERAGHTY	LA COUNTY	0161	01	2	4232588	4129613	4232590	4128470
7 ATLANTIC	COMMERCE	0049	06	18	4239900	4115525	4235765	4112376	47 GERAGHTY	LA COUNTY	0161	02	2	4232588	4128474	4234056	4128480
8 WOODS	LA COUNTY	0055	01	02	4239998	4119817	4240940	4123868	48 GAGE	LA COUNTY	0064	01	2	4232054	4124391	4232020	4130136
9 WOODS	LA COUNTY	0055	02	02	4240938	4123870	4240774	4124128	49 ROWAN	LA COUNTY	0061	01	2	4231336	4124401	4231334	4129683
0 WOODS	LA COUNTY	0055	03	02	4240774	4124132	4240760	4126754	50 DITMAN	LA COUNTY	0065	01	2	4230632	4119837	4230624	4123704
1 WOODS	LA COUNTY	0055	04	02	4240752	4127155	4240778	4128440	51 DITMAN	LA COUNTY	0065	02	2	4230684	4124413	4230644	4127821
2 HANOVER	LA COUNTY	0056	01	02	4239190	4118426	4239578	4119927	52 HICKS	LA COUNTY	0066	01	2	4230358	4124489	4230308	4127813
3 COUTS	LA COUNTY	0164	01	02	4236059	4113204	4236543	4114239	53 MALABAR	LA COUNTY	0091	03	2	4230922	4128540	4230826	4130240
4 COUTS	COMMERCE	0164	02	18	4236545	4114275	4237933	4115311	54 ROWAN	LA COUNTY	0061	02	2	4231046	4135195	4231112	4136598
5 FERRIS	LA COUNTY	0051	01	02	4237685	4117398	4239496	4124108	55 MIRASOL	L ANGELES	0079	01	1	4227517	4117576	4227509	4119170
6 KERN	LA COUNTY	0052	01	02	4237043	4117716	4238637	4123639	56 MIRASOL	L ANGELES	0079	02	1	4227523	4119190	4228137	4120180
7 MEDNICK	LA COUNTY	0058	01	02	4238951	4124768	4238949	4129518	57 ESPARANZA	L ANGELES	0078	01	1	4227367	4119414	4229157	4122788
8 MCDONNELL	LA COUNTY	0053	01	02	4236455	4118105	4237511	4122194	58 SPENCE	L ANGELES	0080	01	1	4226515	4117586	4226513	4119653
9 MCDONNELL	LA COUNTY	0053	02	02	4237513	4122194	4237405	4126119	59 SPENCE	L ANGELES	0080	02	1	4226519	4119681	4228451	4123186
0 FORD	LA COUNTY	0054	01	02	4235495	4118556	4236759	4123176	60 LORENA	L ANGELES	0081	01	1	4224511	4118478	4225219	4119037
1 LB FWY	COMMERCE	0125	28	18	4234803	4112344	4235661	4114355	61 LORENA	L ANGELES	0081	02	1	4225217	4119039	4229518	4127015
2 LB FWY	COMMERCE	0125	29	18	4235665	4114345	4235745	4122597	62 EUCLID	L ANGELES	0082	01	1	4223938	4121240	4226357	4125784
3 LB FWY	LA COUNTY	0125	30	02	4235745	4122595	4236641	4126167	63 EVERGREEN	L ANGELES	0083	01	1	4225659	4125161	4228507	4130493
4 LB FWY	LA COUNTY	0125	31	02	4236639	4126169	4236315	4128691	64 EVERGREEN	L ANGELES	0083	02	1	4228507	4130497	4228931	4131110
5 LB FWY	LA COUNTY	0125	32	02	4236531	4128701	4238201	4131168	65 DOWNEY	VERNON	0068	03	7	4225861	4112384	4225859	4115810
6 LB FWY	MNTRY PRK	0125	33	07	4238191	4131166	4238059	4134578	66 DOWNEY	VERNON	0068	02	7	4225865	4115806	4224757	4118225
7 EASTERN	LA COUNTY	0057	01	02	4235191	4118700	4235255	4124331	67 BOYLE	VERNON	0155	01	7	4223382	4112405	4223336	4114431
8 EASTERN	LA COUNTY	0057	02	02	4235265	4124343	4235429	4124940	68 MOTT	L ANGELES	0084	01	1	4228495	4130871	4228111	4131072
9 EASTERN	LA COUNTY	0057	03	02	4235425	4124940	4235395	4129011	69 MOTT	L ANGELES	0084	04	1	4228113	4131072	4224210	4125071
0 EASTERN	LA COUNTY	0057	04	02	4235377	4129071	4234717	4130016	70 MOTT	L ANGELES	0084	03	1	4224222	4125075	4227387	4131034
1 EASTERN	LA COUNTY	0057	05	02	4234719	4130014	4234731	4130567	71 FICKETT	L ANGELES	0085	01	1	4224579	4126738	4225801	4128987
2 EASTERN	LA COUNTY	0057	06	02	4234729	4130565	4235473	4131397	72 FICKETT	L ANGELES	0085	02	1	4225809	4128997	4225581	4129118
3 EASTERN	LA COUNTY	0057	07	02	4235473	4131397	4235859	4133263	73 FICKETT	L ANGELES	0085	03	1	4225643	4129061	4226857	4131367
4 EASTERN	LA COUNTY	0057	08	02	4235859	4133261	4235297	4134620	74 SOTO	L ANGELES	0086	01	1	4221414	4112409	4221250	4119843
5 EASTERN	LA COUNTY	0057	09	02	4235293	4134622	4233992	4134650	75 SOTO	L ANGELES	0086	02	1	4221250	4119895	4221504	4122607
6 EASTERN	LA COUNTY	0057	10	02	4233994	4134652	4233716	4134983	76 SOTO	L ANGELES	0086	03	1	4221482	4122591	4226269	4131719
7 HUMPHRIES	LA COUNTY	0062	01	02	4236111	4125716	4236057	4128484	77 BOYLE	L ANGELES	0155	02	1	4220998	4121424	4221300	4123844
8 MARIANA	LA COUNTY	0076	01	02	4234601	4116494	4234611	4119009	78 BOYLE	L ANGELES	0155	03	1	4221304	4123840	4221668	4125596
9 MARIANA	LA COUNTY	0076	02	02	4234751	4125628	4234719	4129262	79 BOYLE	L ANGELES	0155	04	1	4221668	4125594	4221344	4126722
0 MARIANA	LA COUNTY	0076	03	02	4234711	4129262	4234981	4129540	80 BOYLE	L ANGELES	0155	05	1	4221348	4126722	4221494	4127714

PAGE 1

TIME OF ENTRY - 11:00:23 DATE OF LAST UPDATE 07-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 11:00:23    DATE OF LAST UPDATE - 07-FEB-11    OPERATOR NAME - HANSPERSON
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20772 LOWER RIGHT = 20734 LOWER LEFT = 1238 UPPER LEFT = 1289
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 14581 LOWER RIGHT = 615 LOWER LEFT = 719 UPPER LEFT = 14688

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	BOYLE	L ANGELES	0155	06	01	4221482	4127815	4221390	4129713	41	SAN PEDRO	L ANGELES	0149	01	1	4211926	4125700	4213744	4127809.
2	ST LOUIS	L ANGELES	0087	01	01	4221876	4126069	4224871	4131787	42	SAN PEDRO	L ANGELES	0149	02	1	4213748	4127813	4214416	4129101.
3	STATE	L ANGELES	0088	01	01	4221438	4127488	4221718	4127418	43	SAN PEDRO	L ANGELES	0149	03	1	4214404	4129073	4215397	4131519.
4	STATE	L ANGELES	0088	02	01	4221724	4127440	4221830	4128819	44	WALL	L ANGELES	0148	01	1	4212166	4127045	4213752	4128963
5	STATE	L ANGELES	0088	03	01	4221824	4128845	4224501	4133776	45	WALL	L ANGELES	0148	02	1	4213746	4128955	4214188	4129923
6	STATE	L ANGELES	0088	04	01	4224511	4133772	4224306	4134133	46	L ANGELES	L ANGELES	0464	06	1	4211986	4127987	4213858	4130064
7	STATE	L ANGELES	0088	05	01	4224314	4134141	4224517	4134459	47	L ANGELES	L ANGELES	0464	07	1	4213888	4130102	4215705	4132715
8	STATE	L ANGELES	0088	06	01	4224515	4134463	4224843	4134562	48	MAIN	L ANGELES	0143	01	1	4211990	4128530	4215947	4133557
9	SANTA FE	L ANGELES	0139	01	01	4218215	4112405	4218203	4119286	49	BROADWAY	L ANGELES	0144	01	1	4212018	4129827	4214632	4133185
10	SANTA FE	L ANGELES	0139	02	01	4218189	4119306	4218329	4122828	50	HILL	L ANGELES	0384	03	1	4211924	4130344	4213994	4133000
11	SANTA FE	L ANGELES	0139	03	01	4218325	4122828	4218113	4127105	51	HOPE	L ANGELES	0461	09	1	4212026	4132489	4213104	4133908
12	SANTA FE	L ANGELES	0139	04	01	4218097	4127121	4217469	4127632	52	FLORAL	L ANGELES	0023	02	1	4229710	4127759	4230640	4127781.
13	MATEC	L ANGELES	0140	01	01	4217667	4121805	4217635	4125012	53	FLORAL	L ANGELES	0023	03	1	4230630	4127799	4232606	4128460.
14	MATEC	L ANGELES	0140	02	01	4217631	4125026	4217361	4127578	54	HAMMEL	LA COUNTY	0070	01	2	4231284	4127746	4236093	4127738.
15	MATEC	L ANGELES	0140	03	01	4217347	4127590	4217013	4127793	55	FISHER	LA COUNTY	0071	01	2	4233500	4128099	4236133	4128065
16	VIGNES	L ANGELES	0153	01	01	4217179	4120392	4217145	4130088	56	FISHER	LA COUNTY	0071	02	2	4236701	4128053	4238957	4128073
17	VIGNES	L ANGELES	0153	02	01	4217153	4130086	4217443	4131641	57	FOLSOM	LA COUNTY	0069	01	2	4233472	4128787	4236383	4128765
18	HEWITT	L ANGELES	0154	01	01	4216855	4127045	4216685	4128294	58	MCPHERRIN	L ANGELES	0017	01	1	4245331	4127199	4245903	4127175.
19	ALAMEDA	VERNON	0142	01	17	4215563	4112419	4215343	4117792	59	MCPHERRIN	MNTRY PRK	0017	02	7	4245905	4127175	4247881	4128404
20	ALAMEDA	L ANGELES	0142	02	01	4215339	4117794	4215761	4126317	60									
21	ALAMEDA	L ANGELES	0142	03	01	4215747	4126297	4215875	4128981	61									
22	ALAMEDA	L ANGELES	0142	04	01	4215865	4128983	4215933	4132070	62									
23	ALAMEDA	L ANGELES	0142	05	01	4215929	4132068	4216201	4133479	63									
24	ASCOT	L ANGELES	0156	02	01	4212236	4112411	4212216	4113840	64									
25	ASCOT	L ANGELES	0156	03	01	4212220	4113836	4212436	4115690	65									
26	COMPTON	L ANGELES	0157	01	01	4212030	4115750	4213282	4118245	66									
27	COMPTON	L ANGELES	0157	02	01	4213282	4118249	4214032	4119338	67									
28	COMPTON	L ANGELES	0157	03	01	4214010	4119342	4214132	4120980	68									
29	HOOPER	L ANGELES	0470	07	01	4211968	4118167	4213264	4119831	69									
30	HOOPER	L ANGELES	0470	08	01	4213146	4119925	4213916	4121080	70									
31	HOOPER	L ANGELES	0470	09	01	4213764	4121074	4215271	4123696	71									
32	CENTRAL	L ANGELES	0163	01	01	4211956	4121162	4213720	4123387	72									
33	CENTRAL	L ANGELES	0163	02	01	4213718	4123389	4214767	4125554	73									
34	CENTRAL	L ANGELES	0163	03	01	4214747	4125516	4215287	4126195	74									
35	CENTRAL	L ANGELES	0163	04	01	4215287	4126193	4215607	4131032	75									
36	CENTRAL	L ANGELES	0163	05	01	4215639	4131040	4215323	4131090	76									
37	KOHLER	L ANGELES	0152	01	01	4213462	4124644	4214544	4126115	77									
38	STANFORD	L ANGELES	0468	12	01	4211910	4123517	4213230	4125688	78									
39	STANFORD	L ANGELES	0468	13	01	4213172	4125726	4215365	4128484	79									
40	TOWNE	L ANGELES	0482	10	01	4212984	4125955	4215411	4128967	80									

FILE NAME CS0019.001 REVISION 1

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TIME OF ENTRY - 10:45:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4140000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4140000
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CURSOR X-COORDINATE DATA - UPPER RIGHT = 20768 LOWER RIGHT = 20621 LOWER LEFT = 1120 UPPER LEFT = 1277

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17260 LOWER RIGHT = 3292 LOWER LEFT = 3521 UPPER LEFT = 17496

STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
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FREEMONT	MNTRY PRK	0011	02	07	4244292	4133127	4244258	4133885	41
ROCA WAY	MNTRY PRK	0007	01	07	4240218	4130715	4249348	4130006	42
FLORAL	MNTRY PRK	0023	04	07	4248900	4125979	4249996	4125924	43
GRAYLOCK	MNTRY PRK	0026	01	07	4247940	4127764	4248222	4127155	44
GRAYLOCK	MNTRY PRK	0026	02	07	4248226	4127153	4248156	4125995	45
MERIDA	L ANGELES	0162	01	01	4239798	4128233	4240206	4127744	46
MERIDA	MNTRY PRK	0162	02	07	4240208	4127740	4240488	4126882	47
BROOKLYN	LA COUNTY	0073	02	02	4229677	4126954	4242442	4126888	48
BROOKLYN	LA COUNTY	0073	03	02	4242446	4126866	4244052	4125462	49
MICHIGAN	LA COUNTY	0072	01	02	4230013	4126065	4233383	4126085	50
MICHIGAN	LA COUNTY	0072	02	02	4233441	4126139	4234287	4126227	51
MICHIGAN	LA COUNTY	0072	03	02	4234309	4126235	4236228	4126257	52
1ST	L ANGELES	0338	08	01	4223703	4128481	4229639	4125293	53
PALMATTO	L ANGELES	0141	01	01	4215923	4126884	4217515	4127077	54
PALMATTO	L ANGELES	0141	02	01	4217503	4127065	4218241	4127020	55
WHITTIER	L ANGELES	0034	01	01	4212160	4129090	4215889	4126243	56
WHITTIER	L ANGELES	0034	02	01	4215903	4126219	4218955	4126331	57
WHITTIER	L ANGELES	0034	03	01	4218955	4126327	4220727	4125824	58
WHITTIER	L ANGELES	0034	04	01	4220727	4125818	4229803	4120930	59
WHITTIER	LA COUNTY	0034	05	02	4229819	4120950	4235410	4120845	60
WHITTIER	LA COUNTY	0034	06	02	4235408	4120847	4249588	4117103	61
HEREFORD	LA COUNTY	0041	01	02	4243690	4117015	4244366	4115820	62
CALZONA	L ANGELES	0095	01	01	4228457	4117389	4228481	4118241	63

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TIME OF ENTRY - 10:50:00 DATE OF LAST UPDATE 18-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 10:50:00    DATE OF LAST UPDATE - 18-JAN-77    OPERATOR NAME - KING,ALBERT
MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4113000 LOWER RIGHT = 4089000 LOWER LEFT = 4089000 UPPER LEFT = 4113000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20585 LOWER RIGHT = 20601 LOWER LEFT = 9410 UPPER LEFT = 9434
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 12477 LOWER RIGHT = 488 LOWER LEFT = 602 UPPER LEFT = 12508

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	50TH	L ANGELES	0513	01	01	4194385	4111620	4197035	4111602	41	76TH	L ANGELES	0520	01	1	4194493	4101706	4199637	4101696
2	50TH	L ANGELES	0513	02	01	4197043	4111472	4202340	4111512	42	76TH	L ANGELES	0520	02	1	4199625	4101590	4205004	4101736
3	50TH	L ANGELES	0513	03	01	4202332	4111650	4206321	4111666	43	76TH	L ANGELES	0520	03	1	4205004	4101736	4207674	4101779
4	50TH	L ANGELES	0513	04	01	4210318	4111562	4211613	4111572	44	76TH	L ANGELES	0520	04	1	4207674	4101779	4211623	4101877
5	52ND	L ANGELES	0511	01	01	4194395	4110445	4199650	4110465	45	78TH	L ANGELES	0521	01	1	4194519	4100994	4197067	4100984
6	52ND	L ANGELES	0511	02	01	4199670	4110553	4201013	4110561	46	78TH	L ANGELES	0521	02	1	4197041	4101092	4207009	4100885
7	52ND	L ANGELES	0511	03	01	4201037	4110713	4203647	4110705	47	78TH	L ANGELES	0521	03	1	4207578	4100761	4210338	4100763
8	52ND	L ANGELES	0511	04	01	4203645	4110633	4207626	4110563	48	78TH	L ANGELES	0521	04	1	4210382	4100637	4211967	4100641
9	52ND	L ANGELES	0511	05	01	4203649	4110619	4204996	4110623	49	80TH	L ANGELES	0522	01	1	4194435	4100014	4197057	4100030
10	52ND	L ANGELES	0511	06	01	4207614	4110749	4211583	4110751	50	80TH	L ANGELES	0522	02	1	4197302	4100028	4199269	4100034
11	54TH	L ANGELES	0510	01	01	4134417	4109790	4202932	4109830	51	80TH	L ANGELES	0522	03	1	4199666	4100131	4206323	4100217
12	54TH	L ANGELES	0510	02	01	4202932	4109830	4210310	4109882	52	80TH	L ANGELES	0522	04	1	4206329	4100047	4211963	4100081
13	54TH	L ANGELES	0510	03	01	4210322	4110014	4211601	4110024	53	82ND	L ANGELES	0523	01	1	4194417	4099374	4197065	4099358
14	56TH	L ANGELES	0512	01	01	4194413	4109137	4202978	4109157	54	82ND	L ANGELES	0523	02	1	4197364	4099306	4199257	4099292
15	56TH	L ANGELES	0512	02	01	4202972	4109157	4210276	4109185	55	82ND	LA COUNTY	0523	03	2	4199660	4099234	4202364	4099226
16	56TH	L ANGELES	0512	03	01	4210338	4109367	4211977	4109365	56	82ND	L ANGELES	0523	04	1	4202370	4099534	4205052	4099518
17	SLAUSON	L ANGELES	0509	01	01	4194415	4108256	4202970	4108284	57	82ND	L ANGELES	0523	05	1	4204998	4099642	4206341	4099650
18	SLAUSON	L ANGELES	0509	02	01	4202976	4108274	4211991	4108320	58	82ND	L ANGELES	0523	06	1	4206295	4099392	4211619	4099400
19	59TH	L ANGELES	0514	01	01	4194561	4107215	4199664	4107093	59	84TH	L ANGELES	0524	01	1	4194391	4098347	4199664	4098353
20	59TH	L ANGELES	0514	02	01	4199676	4107205	4201029	4107249	60	84TH	L ANGELES	0524	02	1	4202372	4098537	4205042	4098543
21	59TH	L ANGELES	0514	03	01	4202320	4107145	4207650	4107181	61	84TH	L ANGELES	0524	03	1	4205050	4098389	4211495	4098409
22	62ND	L ANGELES	0515	01	01	4194409	4106118	4199656	4106124	62	MNCHESTER	L ANGELES	0507	01	1	4194391	4097730	4202904	4097740
23	62ND	L ANGELES	0515	02	01	4201027	4106128	4211061	4106190	63	MNCHESTER	L ANGELES	0507	02	1	4202910	4097742	4212005	4097770
24	59TH	LA COUNTY	0514	04	02	4210314	4107213	4211969	4107209	64	88TH	L ANGELES	0525	01	1	4196349	4097051	4197085	4097031
25	62ND	LA COUNTY	0515	03	02	4211579	4106186	4211981	4106200	65	88TH	L ANGELES	0525	02	1	4197071	4096901	4201087	4096937
26	65TH	L ANGELES	0516	01	01	4194411	4105187	4199643	4105156	66	88TH	L ANGELES	0525	03	1	4201769	4096721	4206349	4096661
27	65TH	L ANGELES	0516	02	01	4201051	4105181	4207654	4105197	67	88TH	LA COUNTY	0525	04	2	4209043	4096761	4211777	4096757
28	65TH	LA COUNTY	0516	03	02	4210314	4105269	4211651	4105265	68	90TH	L ANGELES	0526	01	1	4196379	4095904	4198360	4095886
29	67TH	L ANGELES	0517	01	01	4194403	4104434	4199650	4104426	69	90TH	L ANGELES	0526	02	1	4198340	4095725	4199607	4095717
30	67TH	L ANGELES	0517	02	01	4202970	4104582	4207650	4104544	70	90TH	L ANGELES	0526	03	1	4199615	4095890	4203695	4095882
31	67TH	LA COUNTY	0517	03	02	4210314	4104658	4211957	4104682	71	90TH	L ANGELES	0526	04	1	4203697	4095735	4211887	4095788
32	70TH	L ANGELES	0518	01	01	4194397	4103601	4201023	4103627	72	92ND	L ANGELES	0506	01	1	4194405	4095059	4197089	4095041
33	70TH	L ANGELES	0518	02	01	4201041	4103547	4202362	4103541	73	92ND	L ANGELES	0506	02	1	4197065	4095243	4199609	4095255
34	70TH	L ANGELES	0518	03	01	4202370	4103705	4207654	4103633	74	92ND	L ANGELES	0506	03	1	4199629	4095059	4210332	4095127
35	70TH	L ANGELES	0518	04	01	4205034	4103581	4207706	4103601	75	92ND	LA COUNTY	0506	04	2	4210328	4095273	4211833	4095275
36	70TH	LA COUNTY	0518	05	02	4210318	4103777	4211963	4103801	76	94TH	L ANGELES	0527	01	1	4194403	4094464	4200388	4094416
37	FLORENCE	L ANGELES	0508	01	01	4194427	4102966	4202972	4103020	77	94TH	L ANGELES	0527	02	1	4201089	4094424	4210562	4094442
38	FLORENCE	L ANGELES	0508	02	01	4202972	4103020	4212039	4103058	78	96TH	L ANGELES	0528	01	1	4194453	4093549	4199619	4093593
39	74TH	L ANGELES	0519	01	01	4194505	4102333	4205008	4102297	79	GOLDEN	L ANGELES	0529	01	1	4199650	4093755	4210316	4093789
40	74TH	L ANGELES	0519	02	01	4205032	4102335	4211957	4102437	80									

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CONTINUED

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PAGE 2

TIME OF ENTRY - 12:42:00 DATE OF LAST UPDATE 18-JAN-77 OPERATOR NAME - FRENEY/HAYS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4113000 LOWER RIGHT = 4089000 LOWER LEFT = 4089000 UPPER LEFT = 4113000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20585 LOWER RIGHT = 20591 LOWER LEFT = 9406 UPPER LEFT = 9430
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 12469 LOWER RIGHT = 484 LOWER LEFT = 609 UPPER LEFT = 12590

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[illegible]

TIME OF ENTRY - 12:59:00 DATE OF LAST UPDATE 18-JAN-77 OPERATOR NAME - FREENY/HAYS

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TIME OF ENTRY - 12:59:00      DATE OF LAST UPDATE - 18-JAN-11      OPERATOR NAME - PRESTON, M
MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4094960 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4094960
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21709 LOWER RIGHT = 21723 LOWER LEFT = 10549 UPPER LEFT = 10520
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15939 LOWER RIGHT = 1521 LOWER LEFT = 1517 UPPER LEFT = 16060

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	110TH	L ANGELES	0534	01	01	4194344	4088767	4202393	4088816	41	134TH	LA COUNTY	0542	03	2	4203669	4079666	4205005	4079698
2	110TH	L ANGELES	0534	02	01	4202387	4088832	4209014	4088880	42	134TH	COMPTON	0542	04	0	4209028	4079469	4210371	4079507
3	112TH	L ANGELES	0535	01	01	4195641	4087765	4199614	4087783	43	134TH	COMPTON	0542	05	0	4210347	4079515	4210926	4079855
4	112TH	L ANGELES	0535	02	01	4199606	4088054	4201043	4088012	44	134TH	COMPTON	0542	06	0	4210926	4079855	4212009	4078879
5	112TH	L ANGELES	0535	03	01	4201033	4087843	4207645	4087864	45	135TH	L ANGELES	0501	01	1	4194374	4079280	4202348	4079272
6	112TH	L ANGELES	0535	04	01	4208378	4087831	4210559	4087803	46	135TH	L ANGELES	0501	02	1	4202350	4079278	4210904	4079316
7	IMPERIAL	L ANGELES	0504	01	01	4194342	4087142	4202972	4087150	47	137TH	L ANGELES	0543	01	1	4196976	4078657	4197968	4078684
8	IMPERIAL	L ANGELES	0504	02	01	4202974	4087150	4209661	4087128	48	137TH	L ANGELES	0543	02	1	4200340	4078724	4201023	4078726
9	IMPERIAL	L ANGELES	0504	03	01	4209663	4087120	4210413	4086628	49	137TH	LA COUNTY	0543	03	2	4204979	4078688	4207051	4078674
10	IMPERIAL	L ANGELES	0504	04	01	4210411	4086592	4211971	4086608	50	137TH	LA COUNTY	0543	04	2	4207049	4078670	4207448	4079013
11	116TH	L ANGELES	0536	01	01	4199606	4086291	4203214	4086315	51	137TH	LA COUNTY	0543	05	2	4207214	4078812	4207713	4078627
12	116TH	L ANGELES	0536	02	01	4203214	4086311	4204977	4086829	52	137TH	LA COUNTY	0543	06	2	4207699	4078627	4208956	4078621
13	116TH	L ANGELES	0536	03	01	4204997	4086206	4210435	4086158	53	137TH	COMPTON	0543	07	0	4210942	4078583	4212011	4078587
14	118TH	L ANGELES	0537	01	01	4197202	4085417	4198085	4085387	54	139TH	L ANGELES	0544	01	1	4194326	4077995	4198205	4077960
15	118TH	L ANGELES	0537	02	01	4199995	4085559	4201017	4085547	55	139TH	L ANGELES	0544	02	1	4200372	4078197	4200999	4077906
16	118TH	L ANGELES	0537	03	01	4202393	4085533	4202828	4085533	56	139TH	LA COUNTY	0544	03	2	4204948	4078103	4207290	4078083
17	118TH	L ANGELES	0537	04	01	4203333	4085525	4210918	4085523	57	139TH	LA COUNTY	0544	04	2	4207276	4078105	4208900	4077970
18	120TH	L ANGELES	0503	01	01	4194330	4084656	4203604	4084567	58	139TH	COMPTON	0544	05	0	4210916	4078041	4211969	4078041
19	120TH	L ANGELES	0503	02	01	4203682	4084581	4211985	4084545	59	141ST	L ANGELES	0545	01	1	4194334	4077306	4194989	4077300
20	123RD	L ANGELES	0538	01	01	4195697	4083611	4201033	4083611	60	141ST	L ANGELES	0545	02	1	4196332	4077342	4198223	4077328
21	123RD	L ANGELES	0538	02	01	4204010	4083482	4204718	4083468	61	141ST	L ANGELES	0545	03	1	4198229	4077330	4199606	4077143
22	123RD	L ANGELES	0538	03	01	4204995	4083675	4208831	4083673	62	141ST	L ANGELES	0545	04	1	4200334	4077275	4201007	4077287
23	123RD	L ANGELES	0538	04	01	4210503	4083647	4210988	4083661	63	141ST	LA COUNTY	0545	05	2	4206039	4077269	4206510	4077261
24	126TH	L ANGELES	0539	01	01	4194348	4082593	4199025	4082576	64	141ST	COMPTON	0545	06	0	4211037	4077508	4211468	4077531
25	126TH	L ANGELES	0539	02	01	4202258	4082795	4202862	4082779	65	ROSECRANS	L ANGELES	0500	01	1	4194334	4076683	4202356	4076685
26	126TH	L ANGELES	0539	03	01	4203732	4082801	4207627	4082781	66	ROSECRANS	LA COUNTY	0500	02	2	4202358	4076663	4208120	4076677
27	126TH	L ANGELES	0539	04	01	4209397	4082755	4210371	4082765	67	ROSECRANS	LA COUNTY	0500	03	2	4208124	4076697	4211929	4077075
28	126TH	L ANGELES	0539	05	01	4210525	4082623	4211937	4082607	68	146TH	L ANGELES	0546	01	1	4194338	4075608	4196980	4075580
29	LSEGUENDO	L ANGELES	0502	01	01	4194350	4081924	4202302	4081898	69	146TH	L ANGELES	0546	02	1	4197273	407549	4198261	4075460
30	LSEGUENDO	L ANGELES	0502	02	01	4202308	4081898	4210982	4081873	70	146TH	LA COUNTY	0546	03	2	4199734	4075536	4200883	4075542
31	130TH	L ANGELES	0540	01	01	4194356	4081241	4198197	4081198	71	146TH	LA COUNTY	0546	04	2	4201871	4075550	4202346	4075548
32	130TH	L ANGELES	0540	02	01	4198764	4081100	4201055	4081116	72	146TH	LA COUNTY	0546	05	2	4203617	4075580	4205349	4075556
33	130TH	L ANGELES	0540	03	01	4201809	4081112	4203675	4081136	73	146TH	LA COUNTY	0546	06	2	4208795	4076032	4209531	4076044
34	130TH	L ANGELES	0540	04	01	4205005	4081271	4207681	4081235	74	149TH	GARDENA	0547	01	7	4194354	4074799	4196314	4074787
35	132ND	L ANGELES	0541	01	01	4194322	4080552	4200991	4080425	75	149TH	GARDENA	0547	02	7	4198241	4074574	4199566	4074708
36	132ND	L ANGELES	0541	02	01	4201899	4080423	4203655	4080425	76	149TH	LA COUNTY	0547	03	2	4205891	4074881	4206877	4074875
37	132ND	L ANGELES	0541	03	01	4204964	4080578	4207647	4080586	77	149TH	LA COUNTY	0547	04	2	4209699	4075020	4211574	4075098
38	132ND	COMPTON	0541	04	10	4209028	4080439	4211985	4080377	78	COMPTON	GARDENA	0499	02	7	4194348	4074049	4199546	4074023
39	134TH	L ANGELES	0542	01	01	4194424	4079869	4198225	4079835	79	COMPTON	LA COUNTY	0499	01	2	4202350	4074027	4209565	4074262
40	134TH	L ANGELES	0542	02	01	4199622	4079650	4201035	4079640	80									

TIME OF ENTRY - 16:25:00 DATE OF LAST UPDATE 18-JAN-77 OPERATOR NAME - HAYS/FREENT Y

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4094940 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4094940
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21701 LOWER RIGHT = 21708 LOWER LEFT = 10536 UPPER LEFT = 10515
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15937 LOWER RIGHT = 1519 LOWER LEFT = 1513 UPPER LEFT = 16057

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[illegible]

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 10:00:00    DATE OF LAST UPDATE - 19-JAN-77    OPERATOR NAME - HHS/AFRENT
MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4094960 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4094960
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21714 LOWER RIGHT = 21732 LOWER LEFT = 10557 UPPER LEFT = 10529
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15954 LOWER RIGHT = 1526 LOWER LEFT = 1524 UPPER LEFT = 16070

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	BUDLONG	GARDENA	0318	05	27	4198629	4067543	4198603	4068440	41	ORCHARD	L ANGELES	0477	06	1	4200846	4074551	4200846	4076603
2	BUDLONG	GARDENA	0318	06	27	4198415	4069241	4198324	4071921	42	ORCHARD	L ANGELES	0477	07	1	4200718	4084531	4200692	4085535
3	BUDLONG	GARDENA	0318	07	27	4198238	4073195	4198196	4079263	43	HOOVER	L ANGELES	0306	08	1	4201544	4066909	4200952	4076651
4	BERENDO	L ANGELES	0320	09	01	4198918	4081885	4198976	4084629	44	HOOVER	L ANGELES	0306	09	1	4200950	4076655	4201012	4087510
5	BUDLONG	GARDENA	0318	08	27	4198252	4079229	4198282	4084569	45	HOOVER	L ANGELES	0306	10	1	4201016	4087508	4201034	4092690
6	BUDLONG	L ANGELES	0318	09	01	4198346	4084511	4198352	4087115	46	HARBOR FY	L ANGELES	0297	09	1	4201652	4066983	4201393	4074083
7	BUDLONG	L ANGELES	0318	10	01	4198176	4087141	4198292	4092493	47	HARBOR FY	L ANGELES	0297	10	1	4201391	4074063	4201163	4081324
8	BERENDO	GARDENA	0320	04	27	4199236	4066975	4199058	4070258	48	HARBOR FY	L ANGELES	0297	11	1	4201157	4081378	4202706	4083894
9	BERENDO	GARDENA	0320	05	27	4199064	4070547	4199106	4071556	49	HARBOR FY	L ANGELES	0297	12	1	4202712	4083894	4203217	4092736
10	BERENDO	GARDENA	0320	06	27	4198940	4072173	4198932	4076685	50	DENVER	L ANGELES	0478	01	1	4202081	4067616	4202051	4068241
11	BERENDO	GARDENA	0320	07	27	4198819	4077461	4198833	4078841	51	DENVER	L ANGELES	0478	02	1	4202063	4068534	4202059	4069404
12	BERENDO	GARDENA	0320	08	27	4198781	4079464	4198783	4081726	52	DENVER	L ANGELES	0478	03	1	4201976	4069918	4201838	4072713
13	BERENDO	L ANGELES	0320	10	01	4198773	4084997	4198767	4087123	53	DENVER	L ANGELES	0478	04	1	4201830	4074762	4201864	4076603
14	BERENDO	L ANGELES	0320	11	01	4198821	4087121	4198821	4088463	54	DENVER	L ANGELES	0478	05	1	4201714	4082781	4201724	4083657
15	VERMONT	L ANGELES	0305	04	01	4199818	4066941	4199605	4076932	55	DENVER	L ANGELES	0478	06	1	4201686	4084543	4201716	4092407
16	VERMONT	L ANGELES	0305	05	01	4199603	4076944	4199595	4086819	56	FIGUEROA	L ANGELES	0300	05	1	4202496	4066870	4202325	4077965
17	VERMONT	L ANGELES	0305	06	01	4199593	4086817	4199605	4090301	57	FIGUEROA	L ANGELES	0300	06	1	4202335	4077951	4202377	4088808
18	AINSWORTH	L ANGELES	0476	01	01	4200092	4068663	4199944	4073265	58	FIGUEROA	L ANGELES	0300	07	1	4202385	4088812	4202379	4092772
19	AINSWORTH	L ANGELES	0476	02	01	4200068	4076265	4200058	4076593	59	BROADWAY	COMPTON	0144	06	0	4203740	4066933	4203620	4076974
20	AINSWORTH	L ANGELES	0476	03	01	4200036	4077077	4200020	4077746	60	BROADWAY	LA COUNTY	0144	07	2	4203604	4076976	4203708	4086888
21	AINSWORTH	L ANGELES	0476	04	01	4200080	4082383	4200605	4082767	61	BROADWAY	L ANGELES	0144	08	1	4203700	4086886	4203670	4092688
22	AINSWORTH	L ANGELES	0476	05	01	4200607	4082757	4200084	4083595	62	MAIN	COMPTON	0143	06	0	4204594	4066929	4204240	4076580
23	AINSWORTH	L ANGELES	0476	06	01	4200094	4083587	4200076	4084316	63	MAIN	COMPTON	0143	07	0	4204278	4074485	4204931	4075829
24	AINSWORTH	L ANGELES	0476	07	01	4200076	4084565	4200030	4085570	64	MAIN	LA COUNTY	0143	08	2	4204929	4075825	4204989	4085740
25	MENLO	L ANGELES	0417	06	01	4200676	4066031	4200631	4068014	65	MAIN	L ANGELES	0143	09	1	4204983	4085734	4204969	4092569
26	MENLO	L ANGELES	0417	07	01	4200443	4068435	4200303	4071952	66	SPRING	LA COUNTY	0480	01	2	4204348	4080794	4204334	4081901
27	MENLO	L ANGELES	0417	08	01	4200297	4072542	4200287	4072950	67	SPRING	LA COUNTY	0480	02	2	4203991	4083223	4203999	4084089
28	MENLO	L ANGELES	0417	20	01	4200553	4073284	4200407	4074772	68	SPRING	L ANGELES	0480	03	1	4204362	4084509	4204328	4087139
29	MENLO	L ANGELES	0417	21	01	4200409	4074772	4200892	4074802	69	SPRING	L ANGELES	0480	04	1	4204324	4088388	4204304	4092411
30	MENLO	L ANGELES	0417	09	01	4200345	4078337	4200323	4079265	70	MAPLE	COMPTON	0466	04	0	4205581	4072813	4206092	4072162
31	MENLO	L ANGELES	0417	10	01	4200309	4079622	4200355	4081899	71	MAPLE	COMPTON	0466	03	0	4205256	4075934	4205653	4074129
32	MENLO	L ANGELES	0417	11	01	4200391	4082909	4200599	4083205	72	CARLTON	COMPTON	0486	01	0	4205396	4080273	4205346	4081881
33	MENLO	L ANGELES	0417	12	01	4200597	4083203	4200349	4084039	73	JARVIS	COMPTON	0487	01	0	4205687	4080229	4205645	4081891
34	MENLO	L ANGELES	0417	13	01	4200423	4084527	4200387	4087119	74	SAN PEDRO	COMPTON	0149	08	0	4207581	4071214	4206316	4077710
35	MENLO	L ANGELES	0417	14	01	4200341	4088477	4200325	4093026	75	SAN PEDRO	COMPTON	0149	09	0	4206316	4077710	4206310	4087693
36	ORCHARD	L ANGELES	0477	01	01	4201147	4066989	4201054	4069340	76	SAN PEDRO	L ANGELES	0149	10	1	4206306	4087683	4206290	4092672
37	ORCHARD	L ANGELES	0477	02	01	4200722	4069301	4200684	4071309	77	TOWNE	LA COUNTY	0482	01	2	4207006	4079253	4206998	4081885
38	ORCHARD	L ANGELES	0477	03	01	4200692	4071303	4200966	4071560	78	TOWNE	L ANGELES	0482	02	1	4207296	4085811	4207280	4087117
39	ORCHARD	L ANGELES	0477	04	01	4200842	4071968	4200814	4072950	79									
40	ORCHARD	L ANGELES	0477	05	01	4200908	4072964	4200914	4073312	80									

PAGE 2

TIME OF ENTRY - 10:05:05 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4094960 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4094960
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21714 LOWER RIGHT = 21732 LOWER LEFT = 10557 UPPER LEFT = 10529
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15954 LOWER RIGHT = 1526 LOWER LEFT = 1524 UPPER LEFT = 16070
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NO	STREET	CITY	ST	SEG	CY	STARTX	STARY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARY	ENDX	ENDY
1	TOWNE	L ANGELES	0482	03	01	4206968	4087436	4206976	4088517	41									
2	AVALON	L ANGELES	0299	02	01	4207525	4066923	4207864	4069609	42									
3	AVALON	COMPTON	0299	03	10	4207870	4069617	4207585	4071272	43									
4	AVALON	COMPTON	0299	04	10	4207589	4071274	4207615	4081226	44									
5	AVALON	L ANGELES	0299	05	01	4207623	4081220	4207587	4090779	45									
6	HASKINS	COMPTON	0551	01	10	4208337	4073207	4209024	4069723	46									
7	HASKINS	COMPTON	0551	02	10	4209112	4069253	4209227	4068765	47									
8	STANFORD	COMPTON	0468	11	10	4209832	4071262	4208134	4079281	48									
9	STANFORD	L ANGELES	0468	04	01	4208429	4079289	4208447	4081867	49									
10	STANFORD	L ANGELES	0468	05	01	4208238	4081851	4208228	4083679	50									
11	STANFORD	L ANGELES	0468	06	01	4208565	4084543	4208557	4087808	51									
12	STANFORD	L ANGELES	0468	07	01	4208277	4088392	4208271	4089431	52									
13	APRILA	COMPTON	0548	01	10	4211165	4069561	4210018	4076838	53									
14	MCKINLEY	COMPTON	0471	03	10	4208848	4079470	4208834	4081855	54									
15	MCKINLEY	LA COUNTY	0471	04	02	4208830	4083629	4208812	4084489	55									
16	CLOVIS	LA COUNTY	0483	01	02	4210359	4079715	4210337	4083504	56									
17	CLOVIS	L ANGELES	0483	02	01	4210251	4085543	4210261	4087143	57									
18	CENTRAL	L ANGELES	0163	11	01	4210989	4094157	4210945	4087938	58									
19	CENTRAL	L ANGELES	0163	10	01	4210904	4087952	4210910	4078045	59									
20	CENTRAL	COMPTON	0163	09	10	4210910	4078041	4211939	4073081	60									
21	WADSWORTH	LA COUNTY	0474	01	02	4209387	4081877	4209359	4083576	61									
22	WADSWORTH	L ANGELES	0474	02	01	4209628	4084549	4209654	4088119	62									
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PAGE 2

TIME OF ENTRY - 10:25:00 : DATE OF LAST UPDATE 21-MAR-77 : OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4100000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4100000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 18987 LOWER RIGHT = 18933 LOWER LEFT = 7753 UPPER LEFT = 7812
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 17925 LOWER RIGHT = 960 LOWER LEFT = 1012 UPPER LEFT = 17978

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GOLDEN	L ANGELES	0529	02	01	4211204	4093853	4212027	4093865	41									
2	CLOVIS	L ANGELES	0483	03	01	4210382	4089719	4210402	4095212	42									
3	NORMANDIE	L ANGELES	0315	13	01	4197022	4083008	4197092	4089384	43									
4	KANSAS	L ANGELES	0408	07	01	4199010	4079593	4198980	4080350	44									
5	WALL	L ANGELES	0148	10	01	4205850	4083202	4205846	4083787	45									
6	KANSAS	L ANGELES	0408	07	01	4198986	4079503	4199006	4080336	46									
7	MENLOE	L ANGELES	0475	01	01	4200364	4075819	4200396	4077759	47									
8	MENLOE	L ANGELES	0475	02	01	4200398	4077761	4200068	4078222	48									
9	MENLOE	L ANGELES	0475	03	01	4200072	4078224	4200084	4079338	49									
10	166TH	L ANGELES	0492	01	01	4194364	4068799	4197143	4068793	50									
11	RAYMOND	L ANGELES	0317	05	01	4198331	4067469	4198331	4068402	51									
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PAGE 2

TIME OF ENTRY - 13:00:13 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 13:00:13    DATE OF LAST UPDATE - 02-12-77    OPERATOR NAME - JAMES GREEN
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HARRISON	PARAMOUNT	0099	01	05	4237630	4070022	4242191	4070018	41	PIXLEY	LA COUNTY	0739	02	2	4229303	4076705	4230238	4076725
2	71ST	PARAMOUNT	0098	01	05	4231758	4070048	4234343	4070068	42	ROSECRANS	PARAMOUNT	0500	07	5	4233726	4077319	4244754	4077402
3	72ND	PARAMOUNT	0038	01	05	4232965	4070668	4236952	4070754	43	ROSE	PARAMOUNT	0823	01	5	4238495	4078034	4240217	4078028
4	JACKSON	PARAMOUNT	0092	01	05	4236976	4070704	4242193	4070738	44	ACKLEY	PARAMOUNT	0824	01	5	4240844	4078024	4242219	4078034
5	CENTURY	BELLFLOWR	0105	01	19	4243703	4070469	4244680	4070473	45	HOWE	PARAMOUNT	0822	01	5	4238489	4078694	4241585	4078682
6	OLIVE	BELLFLOWR	0734	01	19	4243629	4071073	4244406	4071079	46	HAPPY	PARAMOUNT	0820	01	5	4236990	4079264	4238017	4079260
7	MARCELLE	PARAMOUNT	0732	03	05	4232959	4071041	4235124	4071067	47	PEARL	PARAMOUNT	0821	01	5	4238453	4079342	4239542	4079358
8	MARCELLE	BELLFLOWR	0732	04	19	4235656	4071063	4237010	4071071	48	GROVE	PARAMOUNT	0819	01	5	4235520	4079990	4238906	4079984
9	MONROE	PARAMOUNT	0733	01	05	4236946	4071366	4237937	4071356	49	MAIN	S GATE	0816	01	1	4235642	4082183	4230385	4082205
10	MONROE	PARAMOUNT	0733	02	05	4238351	4071358	4242213	4071372	50	MAIN	S GATE	0816	02	1	4238391	4082195	4239897	4081360
11	ALONDRA	PARAMOUNT	0497	06	05	4232289	4072020	4242201	4072104	51	FLORENCE	S GATE	0818	01	1	4238401	4081222	4243847	4078194
12	ALONDRA	PARAMOUNT	0497	07	05	4242225	4072104	4244750	4072114	52	CENTURY	PARAMOUNT	0505	09	5	4235764	4081996	4244700	4076956
13	MADISON	PARAMOUNT	0728	01	05	4234595	4072363	4235254	4072375	53	GOLDEN	S GATE	0817	01	1	4239897	4081184	4244043	4078826
14	MADISON	PARAMOUNT	0728	02	05	4236009	4072732	4238071	4072763	54	WILSON	S GATE	0814	01	1	4235566	4083150	4237829	4083172
15	MADISON	PARAMOUNT	0728	03	05	4238615	4072775	4243283	4072795	55	WILSON	S GATE	0814	02	1	4238353	4082891	4240193	4081852
16	VANS	PARAMOUNT	0729	01	05	4243685	4073104	4244750	4073128	56	GARDNDALE	S GATE	0812	01	1	4240508	4082307	4246005	4079260
17	MYRRH	PARAMOUNT	0724	03	05	4231674	4073272	4235264	4073350	57	PURITAN	DOWNEY	0811	01	6	4241000	4083050	4242508	4082121
18	MYRRH	PARAMOUNT	0724	04	05	4235991	4073324	4236926	4073356	58	PURITAN	DOWNEY	0811	02	6	4242460	4081974	4243337	4081445
19	JEFFERSON	PARAMOUNT	0725	01	05	4236984	4073427	4240780	4073443	59	PURITAN	DOWNEY	0811	03	6	4243367	4081378	4243897	4081192
20	JEFFERSON	PARAMOUNT	0725	02	05	4241423	4073427	4243441	4073415	60	ADOREE	DOWNEY	0810	01	6	4241437	4083762	4242958	4082843
21	MRK KEPEL	PARAMOUNT	0719	01	05	4232929	4073910	4233640	4073920	61	ADOREE	DOWNEY	0810	02	6	4243591	4082494	4244428	4081968
22	CORAL	PARAMOUNT	0720	01	05	4235959	4074027	4236936	4074031	62	ORLANDA	LYNWOOD	0773	01	4	4227782	4079504	4229586	4078929
23	ADAMS	PARAMOUNT	0721	01	05	4236956	4074117	4237935	4074139	63	ORLANDA	LYNWOOD	0773	02	4	4229534	4078826	4232825	4078646
24	ADAMS	PARAMOUNT	0721	02	05	4238405	4074121	4239981	4074145	64	CLARK	LYNWOOD	0784	01	4	4229976	4079976	4233106	4079577
25	ADAMS	PARAMOUNT	0721	03	05	4240401	4074135	4242187	4074151	65	EUCLID	LYNWOOD	0769	01	4	4222320	4080821	4223405	4080947
26	ADAMS	PARAMOUNT	0721	04	05	4243677	4074041	4244788	4074061	66	EUCLID	LYNWOOD	0769	02	4	4223399	4080949	4224532	4080604
27	COMPTON	PARAMOUNT	0499	05	05	4231882	4074613	4241953	4074743	67	EUCLID	LYNWOOD	0769	03	4	4224528	4080614	4225611	4080482
28	COMPTON	PARAMOUNT	0499	06	05	4241935	4074741	4244790	4074759	68	CARLIN	LYNWOOD	0767	01	4	4222190	4081467	4223563	4081639
29	SN MARCUS	PARAMOUNT	0741	03	05	4230767	4075287	4231304	4075285	69	CARLIN	LYNWOOD	0767	02	4	4223557	4081643	4224723	4081419
30	SN MARCUS	PARAMOUNT	0741	04	05	4232054	4075257	4235228	4075285	70	CARLIN	LYNWOOD	0767	03	4	4224717	4081433	4230132	4079717
31	PETROL	PARAMOUNT	0742	01	05	4235602	4075357	4238069	4075359	71	CARLIN	LYNWOOD	0767	04	4	4230150	4079715	4230861	4078770
32	2ND	PARAMOUNT	0743	01	05	4239583	4075379	4242173	4075391	72	MAGNOLIA	LYNWOOD	0788	01	4	4223635	4082400	4224797	4082173
33	SN VNCNTE	LA COUNTY	0740	01	02	4225712	4075772	4231081	4075833	73	MAGNOLIA	LYNWOOD	0788	02	4	4224799	4082177	4226030	4081774
34	SN VNCNTE	PARAMOUNT	0740	02	05	4232311	4075853	4235160	4075889	74	MAGNOLIA	LYNWOOD	0788	03	4	4226937	4081292	4228258	4080865
35	EXETER	PARAMOUNT	0746	01	05	4235638	4076015	4236912	4076029	75	LAVINIA	LYNWOOD	0785	01	4	4228408	4081262	4230156	4080682
36	CONTRERAS	PARAMOUNT	0747	01	05	4242123	4076392	4243779	4076426	76	LAVINIA	LYNWOOD	0785	02	4	4230252	4080752	4233262	4080140
37	NEARDALE	PARAMOUNT	0748	01	05	4242996	4077065	4243717	4077067	77	AGNES	LYNWOOD	0766	01	4	4223693	4083228	4224684	4083028
38	RICHFIELD	PARAMOUNT	0745	01	05	4235602	4076699	4236918	4076683	78	AGNES	LYNWOOD	0766	02	4	4224680	4083020	4230337	4081126
39	SAN JUAN	PARAMOUNT	0738	02	05	4232635	4076451	4234851	4076459	79									
40	SAN JUAN	PARAMOUNT	0738	01	05	4230661	4076404	4231430	4076408	80									

TIME OF ENTRY - 13:55:08 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21544 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	JOSEPHINE	LYNWOOD	0765	01	04	4221879	4084563	4224548	4083758	41	ROSEMEAD	DOWNEY	0199	01	6	4238551	4088277	4242600	4085835
2	JOSEPHINE	LYNWOOD	0765	02	04	4224538	4083770	4228382	4082430	42	QUOIT	DOWNEY	0800	01	6	4242610	4085781	4244155	4084773
3	JOSEPHINE	LYNWOOD	0765	03	04	4228390	4082436	4228727	4082149	43	EVEREST	DOWNEY	0801	01	6	4244071	4084645	4245679	4083618
4	JOSEPHINE	LYNWOOD	0765	04	04	4228745	4082133	4233003	4080696	44	HONDO	DOWNEY	0804	01	6	4239753	4087978	4242616	4086186
5	LSEGUENDO	LA COUNTY	0502	03	02	4212015	4081908	4220194	4081894	45	DONOVAN	DOWNEY	0809	01	6	4243983	4085572	4247107	4083459
6	126TH	LA COUNTY	0539	06	02	4212523	4082659	4215571	4082739	46	RUNDELL	DOWNEY	0803	01	6	4240267	4088809	4242117	4087861
7	126TH	LA COUNTY	0539	07	02	4215607	4082562	4220190	4082566	47	MELVA	DOWNEY	0802	01	6	4242009	4087651	4243301	4086892
8	124TH	LA COUNTY	0710	01	02	4212375	4083196	4220011	4083245	48	ALAMEDA	DOWNEY	0798	01	6	4243485	4087081	4247815	4084605
9	122ND	LA COUNTY	0709	01	02	4212031	4084587	4212149	4084218	49	YANKEE	DOWNEY	0808	01	6	4241374	4088931	4242378	4088335
10	122ND	LA COUNTY	0709	02	02	4212189	4084174	4213090	4084045	50	ALBIA	DOWNEY	0807	01	6	4242678	4088038	4244149	4087091
11	122ND	LA COUNTY	0709	03	02	4213735	4083915	4215260	4083913	51	ALBIA	DOWNEY	0807	02	6	4245387	4086262	4247643	4085054
12	122ND	LA COUNTY	0709	04	02	4215607	4083901	4216548	4083915	52	NADA	DOWNEY	0805	01	6	4238928	4091557	4239857	4090998
13	122ND	LA COUNTY	0709	05	02	4217260	4083692	4217837	4083714	53	NADA	DOWNEY	0805	02	6	4240427	4090741	4241138	4090291
14	120TH	LA COUNTY	0708	01	02	4212055	4084597	4215072	4084633	54	NADA	DOWNEY	0805	03	6	4241857	4089856	4242239	4089611
15	120TH	LA COUNTY	0708	02	02	4215613	4084475	4218694	4084473	55	COLE	DOWNEY	0806	01	6	4242958	4089051	4245161	4087587
16	118TH	LA COUNTY	0537	05	02	4211983	4085610	4213066	4085598	56	COLE	DOWNEY	0806	02	6	4245163	4087579	4247459	4086573
17	118TH	LA COUNTY	0537	06	02	4213064	4085446	4218456	4085438	57	NADA	DOWNEY	0805	04	6	4247543	4086658	4248404	4086198
18	117TH	LA COUNTY	0707	01	02	4213094	4086088	4215627	4086112	58	STEWRT\$GR	S GATE	0655	03	1	4236475	4092356	4239130	4092037
19	117TH	LA COUNTY	0707	02	02	4215659	4085853	4218396	4085839	59	STEWRT\$GR	DOWNEY	0655	04	6	4239134	4092041	4245869	4087807
20	LYNWOOD	LYNWOOD	0764	01	04	4219871	4085404	4221343	4085473	60	STEWRT\$GR	DOWNEY	0655	05	6	4245865	4087801	4248832	4086274
21	LYNWOOD	LYNWOOD	0764	02	04	4221347	4085470	4226619	4083706	61	LUXOR	DOWNEY	0796	01	6	4239615	4092667	4243607	4090199
22	REDWOOD	LYNWOOD	0766	01	04	4221407	4086136	4223083	4085594	62	LUXOR	DOWNEY	0796	02	6	4244498	4089597	4244896	4089362
23	PLATT	LYNWOOD	0761	01	04	4224344	4085580	4225750	4085588	63	LUXOR	DOWNEY	0796	03	6	4246464	4088405	4248080	4087561
24	PLATT	LYNWOOD	0761	02	04	4225746	4085582	4233788	4082899	64	ARDWEN	DOWNEY	0797	01	6	4240179	4093297	4244039	4090913
25	SANBORN	LYNWOOD	0760	01	04	4230240	4084964	4232933	4084051	65	ARDWEN	DOWNEY	0797	02	6	4244111	4091018	4244876	4090584
26	BEACHWOOD	LYNWOOD	0751	01	04	4229352	4085072	4230309	4085813	66	ARNETT	DOWNEY	0795	01	6	4241941	4093163	4242564	4092637
27	BEACHWOOD	LYNWOOD	0751	02	04	4230311	4085811	4233656	4084667	67	ARNETT	DOWNEY	0795	02	6	4242566	4092641	4243451	4092123
28	LE SAGE	LYNWOOD	0752	01	04	4227930	4086908	4230667	4085963	68	ARNETT	DOWNEY	0795	03	6	4243651	4091965	4244384	4091451
29	ELMWOOD	LYNWOOD	0750	01	04	4230881	4086489	4233456	4085622	69	ARNETT	DOWNEY	0795	04	6	4244314	4091323	4244952	4090962
30	IMPERIAL	LA COUNTY	0504	03	02	4212035	4086724	4218089	4086571	70	ARNETT	DOWNEY	0795	05	6	4246520	4090016	4247157	4089615
31	IMPERIAL	LYNWOOD	0504	06	04	4218091	4086575	4221373	4087123	71	BURNS	DOWNEY	0794	01	6	4242840	4093177	4245939	4091146
32	IMPERIAL	LYNWOOD	0504	07	04	4221399	4087163	4223497	4087015	72	PELLET	DOWNEY	0575	02	6	4240910	4095506	4243313	4093979
33	IMPERIAL	LYNWOOD	0504	08	04	4223501	4087015	4224386	4087197	73	3RD	DOWNEY	0793	01	6	4243485	4094164	4249307	4090474
34	IMPERIAL	LYNWOOD	0504	09	04	4224386	4087197	4225906	4087093	74	5TH	DOWNEY	0792	01	6	4244147	4094828	4249916	4091250
35	IMPERIAL	LYNWOOD	0504	10	04	4225892	4087097	4227087	4087745	75	MULLER	DOWNEY	0791	01	6	4244212	4095476	4245141	4094898
36	IMPERIAL	LYNWOOD	0504	11	04	4227085	4087743	4232453	4087197	76	MULLER	DOWNEY	0791	02	6	4245239	4094999	4246190	4094381
37	IMPERIAL	LYNWOOD	0504	12	04	4232445	4087205	4233790	4087250	77	7TH	DOWNEY	0790	01	6	4246228	4094385	4247477	4093654
38	IMPERIAL	S GATE	0504	13	11	4233780	4087254	4238670	4086674	78									
39	IMPERIAL	DOWNEY	0504	14	06	4238672	4086676	4239795	4086184	79									
40	IMPERIAL	DOWNEY	0504	15	06	4239799	4086178	4246070	4082271	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0030.001 REVISION 1

TIME OF ENTRY - 14:30:04 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	7TH	DOWNEY	0790	02	06	4247523	4093694	4249854	4092320	41	LEDGEWOOD	S GATE	0759	01	1	4233230	4089294	4234515	4089156
2	V AMORITA	DOWNEY	0569	05	06	4243735	4097404	4245449	4096339	42	SEQUOIA	S GATE	0757	01	1	4220862	4091267	4222274	4091088
3	V AMORITA	DOWNEY	0569	06	06	4246850	4095448	4247483	4095095	43	SEQUOIA	S GATE	0757	02	1	4222376	4091242	4224436	4091030
4	IRWINGRVE	DOWNEY	0671	01	06	4244053	4097629	4248272	4094967	44	MICHIGAN	S GATE	0685	01	1	4222774	4091511	4232887	4090169
5	FLORENCE	DOWNEY	0508	08	06	4244658	4097952	4249834	4094804	45	ALDRICH	S GATE	0758	01	1	4232909	4090143	4234675	4085944
6	DINSDALE	DOWNEY	0898	01	06	4245161	4098209	4245905	4097756	46	SEMINOLE	S GATE	0756	01	1	4219297	4090628	4224346	4090016
7	DINSDALE	DOWNEY	0898	02	06	4245080	4097461	4246444	4097298	47	103RD	L ANGELES	0531	05	1	4211997	4091756	4218868	4091700
8	DINSDALE	DOWNEY	0898	03	06	4245932	4097055	4247441	4096742	48	98TH	L ANGELES	0530	03	1	4211971	4092820	4213464	4092834
9	DINSDALE	DOWNEY	0898	04	06	4247691	4096536	4248316	4096158	49	CENTURY	L ANGELES	0505	08	1	4213424	4092685	4216261	4092639
10	DINSDALE	DOWNEY	0898	05	06	4249267	4095631	4249731	4095372	50	TWEEDY	S GATE	0684	01	1	4218798	4092968	4225177	4092151
11	DACOSTA	DOWNEY	0897	01	06	4247707	4097216	4248638	4096642	51	TWEEDY	S GATE	0684	02	1	4225171	4092157	4233051	4091152
12	GAINFORD	DOWNEY	0896	01	06	4247619	4097649	4248790	4096869	52	TWEEDY	S GATE	0684	03	1	4233043	4091082	4234928	4090809
13	LUBEC	DOWNEY	0567	10	06	4245799	4098743	4247715	4097677	53	97TH	L ANGELES	0702	01	1	4213410	4093474	4218522	4093556
14	LUBEC	DOWNEY	0567	11	06	4247579	4097575	4249846	4096443	54	96TH	L ANGELES	0528	02	1	4211965	4093963	4213484	4093911
15	NOREN	DOWNEY	0895	01	06	4246940	4099359	4248292	4098530	55	95TH	L ANGELES	0701	01	1	4213422	4094483	4213905	4094441
16	114TH	L ANGELES	0706	01	01	4212333	4087374	4215425	4087324	56	95TH	L ANGELES	0701	02	1	4214385	4094405	4214732	4094409
17	114TH	L ANGELES	0706	02	01	4215615	4087466	4217743	4087444	57	95TH	L ANGELES	0701	03	1	4215741	4094423	4218424	4094417
18	114TH	LA COUNTY	0706	03	02	4218085	4087370	4219477	4087575	58	MISSOURI	S GATE	0683	01	1	4218750	4093823	4228565	4092549
19	111TH	L ANGELES	0705	01	01	4211989	4088682	4214524	4088692	59	MISSOURI	S GATE	0683	02	1	4228569	4092549	4230989	4092254
20	111TH	L ANGELES	0705	02	01	4215615	4088498	4217459	4088477	60	ILLINOIS	S GATE	0681	01	1	4218402	4094848	4223475	4094186
21	111TH	LA COUNTY	0705	03	02	4218482	4088387	4219355	4088580	61	DURANE	S GATE	0682	01	1	4223377	4094005	4231109	4093094
22	111TH	LYNWOOD	0705	04	04	4219573	4088730	4220590	4088608	62	SOUTHERN	S GATE	0680	01	1	4218364	4095444	4226472	4094443
23	109TH	L ANGELES	0704	01	01	4212019	4089406	4214524	4089417	63	SOUTHERN	S GATE	0680	02	1	4226472	4094445	4231960	4093747
24	109TH	L ANGELES	0704	02	01	4214686	4089509	4215595	4089491	64	SOUTHERN	S GATE	0680	03	1	4231952	4093745	4233084	4092822
25	109TH	LA COUNTY	0704	03	02	4218526	4089124	4219319	4089196	65	SOUTHERN	S GATE	0680	04	1	4233152	4092820	4235048	4092581
26	109TH	LYNWOOD	0704	04	04	4219511	4089280	4220556	4089178	66	92ND	LA COUNTY	0506	05	2	4211949	4095404	4212577	4095390
27	108TH	L ANGELES	0533	05	01	4217413	4089693	4218558	4089461	67	90TH	LA COUNTY	0526	05	2	4211951	4096114	4213995	4096108
28	108TH	LA COUNTY	0533	04	02	4218558	4089402	4219253	4089505	68	90TH	LA COUNTY	0526	06	2	4216954	4096006	4217439	4096014
29	NORTON	LYNWOOD	0749	01	04	4219511	4088401	4220624	4088411	69	90TH	LA COUNTY	0526	07	2	4217451	4095797	4218137	4095795
30	NORTON	LYNWOOD	0749	02	04	4220622	4088413	4227065	4087729	70	89TH	LA COUNTY	0700	01	2	4211967	4096429	4212982	4096413
31	ALMA	LYNWOOD	0755	01	04	4223547	4088955	4224905	4088782	71	89TH	LA COUNTY	0700	02	2	4213028	4096503	4213953	4096499
32	ALMA	LYNWOOD	0755	02	04	4227237	4088351	4227888	4088277	72	89TH	LA COUNTY	0700	03	2	4217423	4096237	4218077	4096233
33	PENDLETON	LYNWOOD	0754	01	04	4230160	4088046	4233470	4087713	73	88TH	LA COUNTY	0525	05	2	4213070	4096867	4214001	4096869
34	PENDLETON	S GATE	0754	02	11	4233472	4087727	4233684	4088076	74	88TH	LA COUNTY	0525	06	2	4214399	4096732	4217953	4096746
35	CENTURY	LYNWOOD	0505	03	04	4219325	4089880	4225231	4089268	75	88TH	LA COUNTY	0525	07	2	4211969	4097186	4212954	4097196
36	ABBOTT	S GATE	0753	01	11	4225331	4089238	4233472	4088287	76	87TH	LA COUNTY	0699	01	2	4213062	4097557	4213979	4097515
37	107TH	L ANGELES	0703	01	01	4212003	4090155	4213404	4090147	77	87TH	LA COUNTY	0699	02	2	4214319	4097312	4217521	4097306
38	107TH	L ANGELES	0703	02	01	4215200	4090131	4218748	4090143	78	84TH	LA COUNTY	0698	01	2	4212946	4098650	4214135	4098652
39	105TH	L ANGELES	0532	05	01	4214538	4090835	4218450	4090787	79	84TH	LA COUNTY	0698	02	2	4214339	4098482	4215607	4098502
40	TENAYA	S GATE	0686	01	11	4222358	4090558	4233180	4089172	80	84TH	LA COUNTY	0698	03	2	4216852	4098223	4217729	4098223

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FILE NAME CS0031.001 REVISION 1

TIME OF ENTRY - 15:00:15 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ARDMORE	S GATE	0679	01	11	4219713	4097527	4228613	4096481	41	H10ENCYJ9	B GARDENS	6753	03	5	4237106	4100007	4239062	4099704
2	LIBERTY	S GATE	0678	01	11	4220148	4098556	4228759	4097505	42	LIVE OAK	B GARDENS	0674	04	5	4239579	4099688	4240740	4099429
3	B3RD	LA COUNTY	0697	01	02	4211967	4099040	4213919	4099034	43	LIVE OAK	B GARDENS	0674	05	5	4242786	4099419	4245377	4099092
4	B3RD	LA COUNTY	0697	02	02	4215609	4098941	4217583	4098939	44	FLORENCE	LA COUNTY	0508	03	2	4211959	4103231	4218272	4103223
5	B3RD	LA COUNTY	0697	03	02	4214303	4098773	4215605	4098749	45	FLORENCE	HNTG PARK	0508	04	6	4218270	4103211	4228328	4101933
6	SHULL	B GARDENS	0940	01	15	4236525	4096170	4238389	4095978	46	FLORENCE	HNTG PARK	0508	05	6	4228344	4101931	4237951	4100743
7	SHULL	B GARDENS	0940	02	15	4238914	4095910	4240153	4095773	47	FLORENCE	B GARDENS	0508	06	5	4239294	4100549	4241358	4100252
8	QUINN	B GARDENS	0676	01	15	4236509	4097834	4238009	4097679	48	FLORENCE	B GARDENS	0508	07	5	4241360	4100272	4244638	4097942
9	QUINN	B GARDENS	0676	02	15	4238011	4097691	4239961	4097581	49	70TH	LA COUNTY	0518	06	2	4211949	4103920	4212912	4103909
10	QUINN	B GARDENS	0676	03	15	4239971	4097579	4240353	4097216	50	70TH	LA COUNTY	0518	07	2	4212934	4103783	4215927	4103777
11	QUINN	B GARDENS	0676	04	15	4240351	4097230	4240281	4096734	51	68TH	LA COUNTY	0692	01	2	4211935	4104525	4212924	4104525
12	SCOUT	B GARDENS	0938	01	15	4240696	4097653	4241955	4097477	52	68TH	LA COUNTY	0692	02	2	4212936	4104383	4215585	4104377
13	SCOUT	B GARDENS	0938	02	15	4241949	4097521	4243877	4098402	53	65TH	LA COUNTY	0516	04	2	4212237	4105422	4212906	4105406
14	SCOUT	B GARDENS	0938	03	15	4243883	4098390	4245665	4099722	54	65TH	LA COUNTY	0516	05	2	4214241	4105266	4216460	4105242
15	B1ST	LA COUNTY	0696	01	02	4211973	4099941	4213911	4099929	55	GAGE	LA COUNTY	0064	02	2	4211941	4105918	4215943	4105844
16	B1ST	LA COUNTY	0696	02	02	4214556	4099909	4215609	4099900	56	GAGE	HNTG PARK	0064	03	6	4215957	4105824	4221599	4105675
17	B1ST	LA COUNTY	0696	03	02	4215577	4099714	4217166	4099722	57	GAGE	HNTG PARK	0064	04	6	4221595	4105685	4226552	4105071
18	SANTA ANA	S GATE	0677	01	11	4218250	4099844	4228853	4098546	58	GAGE	B GARDENS	0064	05	5	4226595	4105035	4241409	4103167
19	SANTA ANA	S GATE	0677	02	11	4228865	4098540	4235190	4097739	59	GAGE	DOWNEY	0064	06	6	4241354	4103151	4247687	4102379
20	NADEAU	LA COUNTY	0695	01	02	4211953	4100555	4218091	4100545	60	GAGE	DOWNEY	0064	07	6	4247681	4102387	4249477	4103205
21	BROADWAY	S GATE	0144	11	11	4218226	4100456	4228741	4099162	61	GAGE	DOWNEY	0064	08	6	4249479	4103191	4249673	4104241
22	ELIZABETH	CUDAHY	0675	01	13	4228759	4099373	4235808	4098490	62	61ST	LA COUNTY	0689	01	2	4211925	4106733	4212886	4106727
23	OLIVE	S GATE	0463	04	11	4218210	4101050	4228108	4099834	63	61ST	LA COUNTY	0689	02	2	4214001	4106841	4215567	4106845
24	HOPE	S GATE	0461	08	11	4218149	4101688	4227399	4100543	64	60TH	LA COUNTY	0688	01	2	4211923	4107042	4212930	4107034
25	FIRESTONE	LA COUNTY	0561	01	02	4211995	4097924	4217138	4097860	65	60TH	LA COUNTY	0688	02	2	4212858	4107212	4215561	4107172
26	FIRESTONE	LA COUNTY	0561	02	02	4217134	4097886	4217811	4097083	66	58TH	LA COUNTY	0691	01	2	4211917	4107995	4212898	4107981
27	FIRESTONE	S GATE	0561	03	11	4217817	4097081	4219899	4096395	67	58TH	LA COUNTY	0691	02	2	4212864	4107848	4213655	4107852
28	FIRESTONE	S GATE	0561	04	11	4219919	4096395	4230082	4095203	68	SATURN	HNTG PARK	0666	01	6	4216872	4103982	4222016	4103990
29	FIRESTONE	S GATE	0561	05	11	4230068	4095189	4239943	4093654	69	SATURN	HNTG PARK	0666	02	6	4222000	4104000	4224795	4103695
30	FIRESTONE	DOWNEY	0561	06	06	4240001	4093632	4242390	4093161	70	BECK	BELL	0891	01	4	4226532	4102908	4227808	4102716
31	FIRESTONE	DOWNEY	0561	07	06	4242396	4093161	4243587	4093313	71	BECK	BELL	0891	02	4	4228429	4102641	4228342	4102507
32	FIRESTONE	DOWNEY	0561	08	06	4243575	4093323	4249878	4089314	72	BECK	BELL	0891	03	4	4231105	4102292	4231450	4102266
33	76TH	LA COUNTY	0694	01	02	4211947	4101726	4213627	4101765	73	BECK	BELL	0891	04	4	4232921	4102059	4233308	4102031
34	76TH	LA COUNTY	0694	02	02	4213891	4101921	4216878	4101833	74	BECK	BELL	0891	05	4	4235328	4101744	4235718	4101702
35	75TH	LA COUNTY	0693	01	02	4211909	4102391	4213619	4102389	75	LUDELL	B GARDENS	0894	01	5	4237580	4101249	4240403	4100908
36	75TH	LA COUNTY	0693	02	02	4215703	4102381	4216237	4102387	76	FLORENCE	B GARDENS	0672	01	5	4241541	4100270	4245823	4099720
37	LIVE OAK	LA COUNTY	0674	01	02	4218212	4102268	4226955	4101195	77	LUBEC	B GARDENS	0567	08	5	4237416	4102164	4240463	4101785
38	LIVE OAK	CUDAHY	0674	02	13	4227161	4101251	4235991	4100135	78	LUBEC	B GARDENS	0567	09	5	4240471	4101789	4241541	4101201
39	CLARA	CUDAHY	0673	01	13	4227786	4100366	4236721	4099208	79	SOUTHALL	BELL	0893	02	4	4236237	4102184	4235412	4102260
40	CLARA	CUDAHY	0673	02	13	4236711	4099188	4243775	4098313	80	SOUTHALL	BELL	0893	01	4	4234259	4102278	4235050	4102174

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FILE NAME CS0032.002 REVISION 2

TIME OF ENTRY - 15:55:11 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	BROMPTON	BELL	0892	01	14	4228773	4102954	4229414	4102840	41	SLAUSON	COMMERCE	0509	08	8	4242600	4106805	4244678	4106229
2	BROMPTON	BELL	0892	02	14	4231099	4102898	4232451	4102702	42	SLAUSON	COMMERCE	0509	09	8	4244694	4106227	4249828	4103528
3	BROMPTON	BELL	0892	03	14	4233348	4102238	4234221	4102216	43	57TH	L ANGELES	0662	01	1	4211921	4109207	4221543	4109171
4	BELL	BELL	0667	01	14	4225531	4103815	4231208	4103121	44	55TH	L ANGELES	0167	01	1	4211931	4109873	4220198	4109819
5	BELL	BELL	0667	02	14	4231990	4103095	4233458	4102948	45	55TH	MAYWOOD	0167	02	3	4226344	4109833	4231940	4109173
6	BELL	BELL	0667	03	14	4233756	4102928	4234899	4102782	46	55TH	MAYWOOD	0167	03	3	4231920	4109167	4232539	4108749
7	ZOE	HNTG PARK	0665	01	16	4216726	4104957	4218195	4104963	47	57TH	MAYWOOD	0662	02	3	4226404	4109114	4234021	4108187
8	ZOE	HNTG PARK	0665	02	16	4218224	4104851	4223627	4104921	48	52ND	L ANGELES	0511	07	1	4212183	4110862	4214217	4110866
9	ZOE	HNTG PARK	0665	03	16	4223601	4104602	4225609	4104636	49	52ND	L ANGELES	0511	08	1	4214205	4110754	4215513	4110754
10	LOVELAND	B GARDENS	0668	01	15	4237284	4103199	4241485	4102633	50	52ND	VERNON	0511	09	7	4215681	4110637	4218179	4110661
11	LOVELAND	B GARDENS	0668	02	15	4241495	4102635	4242366	4102102	51	52ND	VERNON	0511	10	7	4218169	4110842	4220186	4110848
12	LOVELAND	B GARDENS	0668	03	15	4242370	4102100	4242572	4101632	52	52ND	MAYWOOD	0511	11	3	4226308	4110878	4232379	4110138
13	LOVELAND	B GARDENS	0668	04	15	4242358	4101660	4244111	4100990	53	50TH	L ANGELES	0513	05	1	4211909	4111464	4213777	4111500
14	LOVELAND	B GARDENS	0668	05	15	4244123	4100980	4244554	4101016	54	50TH	L ANGELES	0513	06	1	4214285	4111697	4215605	4111713
15	SUYA	B GARDENS	0670	01	15	4244352	4102003	4244560	4101026	55	50TH	VERNON	0513	07	7	4220622	4111767	4225892	4111895
16	SUYA	DOWNEY	0670	02	06	4244586	4100998	4249854	4097952	56	50TH	VERNON	0513	08	7	4228094	4111323	4231396	4110934
17	FOSTER BR	B GARDENS	0669	01	15	4243425	4102852	4244316	4102025	57	FRUITLAND	VERNON	0193	01	7	4218169	4111047	4225928	4111235
18	FOSTER BR	B GARDENS	0669	02	15	4244314	4101999	4246750	4100502	58	FRUITLAND	MAYWOOD	0193	02	3	4225932	4111231	4232393	4110268
19	FOSTER BR	DOWNEY	0669	03	06	4246744	4100492	4246726	4099770	59	SANTA ANA	COMMERCE	0123	10	8	4242938	4112415	4243885	4110920
20	CLARENDON	HNTG PARK	0664	01	16	4216762	4106424	4221595	4106416	60	SANTA ANA	COMMERCE	0123	11	8	4243907	4110892	4247225	4107084
21	CLARENDON	HNTG PARK	0664	02	16	4221597	4106436	4222907	4106315	61	SANTA ANA	MNTEBELLO	0123	12	3	4247277	4107116	4249818	4104028
22	61ST	HNTG PARK	0689	03	16	4222114	4107058	4223569	4107078	62	WASHINGTON	MNTEBELLO	0106	16	3	4248174	4112445	4249810	4111647
23	BELGRAVE	HNTG PARK	0663	01	16	4216059	4107698	4223561	4107722	63	CASTANA	PARAMOUNT	0834	01	5	4244095	4071031	4244057	4071434
24	RANDOLPH	HNTG PARK	0687	01	16	4223541	4106747	4224855	4106562	64	PITTS	PARAMOUNT	0833	01	5	4244187	4071468	4244153	4073112
25	RANDOLPH	HNTG PARK	0687	02	16	4226376	4106396	4236605	4105172	65	CASTANA	PARAMOUNT	0834	02	5	4244105	4073429	4244083	4074637
26	RANDOLPH	COMMERCE	0687	03	18	4237312	4105113	4244181	4104231	66	CASTANA	PARAMOUNT	0834	03	5	4243739	4076250	4243725	4077434
27	FILMORE	BELL	0690	01	14	4232413	4104877	4236463	4104353	67	PIMENTA	PARAMOUNT	0835	02	5	4244602	4073487	4244576	4074286
28	LANTO	B GARDENS	0789	01	15	4237318	4104359	4238129	4104259	68	HAYTER	PARAMOUNT	0831	02	5	4243639	4074731	4243597	4071476
29	LANTO	B GARDENS	0789	02	15	4230932	4104168	4240494	4103978	69	PASSAGE	PARAMOUNT	0830	02	5	4243010	4072036	4242986	4072015
30	LANTO	B GARDENS	0789	03	15	4241863	4103807	4242542	4103703	70	PASSAGE	PARAMOUNT	0830	03	5	4242962	4076059	4242896	4077105
31	LANTO	COMMERCE	0789	04	18	4245635	4103356	4246150	4103275	71	AVOCADO	PARAMOUNT	0836	01	5	4242956	4073210	4242928	4073820
32	LANTO	COMMERCE	0789	05	18	4247341	4103143	4247823	4103065	72	BIXLER	PARAMOUNT	0837	01	5	4241957	4070022	4241977	4070812
33	LANTO	COMMERCE	0789	06	18	4247823	4103055	4248228	4102447	73	BIXLER	PARAMOUNT	0837	02	5	4242011	4073166	4241999	4073999
34	61ST	MAYWOOD	0689	04	23	4226567	4107058	4235748	4105950	74	INDIANA	PARAMOUNT	0914	03	5	4241569	4074089	4241571	4075780
35	60TH	MAYWOOD	0688	03	23	4226563	4107696	4235820	4106572	75	ANDERSON	PARAMOUNT	0913	01	5	4240884	4077335	4240830	4079165
36	SLAUSON	L ANGELES	0509	03	01	4211945	4108538	4221928	4108460	76	ORIZABA	PARAMOUNT	0578	04	5	4240213	4077087	4240185	4079005
37	SLAUSON	VERNON	0509	04	17	4221942	4108446	4226004	4108476	77	DOWNEY	PARAMOUNT	0577	05	5	4242141	4076386	4242163	4078457
38	SLAUSON	MAYWOOD	0509	05	23	4226016	4108466	4235190	4107317	78	DOWNEY	PARAMOUNT	0577	06	5	4242175	4078437	4241875	4080762
39	SLAUSON	BELL	0509	06	14	4235198	4107325	4236635	4107533	79	DOWNEY	PARAMOUNT	0577	07	5	4241865	4080754	4241935	4081288
40	SLAUSON	COMMERCE	0509	07	18	4236627	4107547	4242612	4106811	80	DOWNEY	PARAMOUNT	0577	08	5	4241971	4081332	4247121	4089581

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

PAGE 3

FILE NAME CS0033.001 REVISION 1

TIME OF ENTRY - 16:45:10 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20468 LOWER RIGHT = 20069 LOWER LEFT = 590 UPPER LEFT = 562

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21644 LOWER RIGHT = 392 LOWER LEFT = 417 UPPER LEFT = 21648

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	DOWNY	DOWNY	0577	09	06	4247133	4089579	4248380	4091686	41	OR SCHOOL	DOWNY	0904	02	6	4239122	4086559	4239532	4087699
2	DOWNY	DOWNY	0577	10	06	4248368	4091654	4248650	4092609	42	OR SCHOOL	DOWNY	0904	03	6	4239530	4087691	4245907	4098237
3	DOWNY	DOWNY	0577	11	06	4248628	4092653	4249856	4094688	43	GUATEMALA	DOWNY	0582	02	6	4245179	4098213	4249850	4101038
4	BARLIN	DOWNY	0919	01	06	4242816	4078010	4243505	4079117	44	RYERSON	DOWNY	0903	02	6	4241667	4093977	4242327	4095197
5	BARLIN	DOWNY	0919	02	06	4243365	4079248	4245353	4082689	45	RYERSON	DOWNY	0903	01	6	4240461	4091740	4241056	4092791
6	PATTON	DOWNY	0918	01	06	4245469	4083325	4249357	4089641	46	MITLA	DOWNY	0902	01	6	4239561	4082266	4240289	4093480
7	BROOKSHRE	DOWNY	0576	04	06	4243058	4080919	4248774	4089984	47	FLORINE	DOWNY	0912	01	6	4237745	4078593	4237678	4080953
8	BROOKSHRE	DOWNY	0576	05	06	4248742	4089994	4249850	4091742	48	CENTER	DOWNY	0911	01	6	4237959	4080742	4237811	4082669
9	ORIZABA	DOWNY	0578	05	06	4240433	4080010	4240662	4080779	49	CENTER	DOWNY	0911	02	6	4237817	4082649	4237460	4083993
10	ORIZABA	DOWNY	0578	06	06	4242191	4083568	4242638	4084414	50	GARFIELD	PARAMOUNT	0031	18	5	4236994	4070694	4236852	4080775
11	ORIZABA	DOWNY	0578	07	06	4243172	4084980	4243737	4085719	51	GARFIELD	PARAMOUNT	0031	19	5	4236848	4080764	4236715	4085713
12	ORIZABA	DOWNY	0578	08	06	4244095	4086644	4244336	4087009	52	GARFIELD	S GATE	0031	20	1	4236729	4085707	4236726	4088799
13	ORIZABA	DOWNY	0578	09	06	4244570	4087173	4245221	4088221	53	GARFIELD	S GATE	0031	21	1	4237630	4088805	4236994	4091216
14	GURLEY	DOWNY	0917	01	06	4245885	4088477	4246788	4089866	54	GARFIELD	S GATE	0031	22	1	4237004	4091194	4237694	4092200
15	LA REINA	DOWNY	0901	01	06	4246997	4090749	4249856	4095354	55	GARFIELD	S GATE	0031	23	1	4237676	4092220	4238337	4095396
16	WESTERN	DOWNY	0900	01	06	4247727	4092627	4249271	4095183	56	GARFIELD	B GARDENS	0031	24	5	4238355	4095452	4241697	4098961
17	BROCK	DOWNY	0915	01	06	4240676	4081439	4242458	4084509	57	GARFIELD	B GARDENS	0031	25	5	4241703	4098945	4243439	4102900
18	BROCK	DOWNY	0915	02	06	4243333	4086050	4243623	4086547	58	GARFIELD	COMMERCE	0031	26	8	4243479	4102920	4245801	4107377
19	PARAMOUNT	PARAMOUNT	0562	10	05	4239615	4071113	4239542	4079813	59	GARFIELD	COMMERCE	0031	27	8	4245797	4107371	4247145	4108936
20	PARAMOUNT	DOWNY	0562	11	06	4239518	4079827	4239869	4081246	60	GARFIELD	COMMERCE	0031	28	8	4247101	4108964	4247169	4111442
21	PARAMOUNT	DOWNY	0562	12	06	4239867	4081264	4245048	4089649	61	GARFIELD	COMMERCE	0031	29	8	4247169	4111428	4247627	4112447
22	PARAMOUNT	DOWNY	0562	13	06	4245018	4089573	4249852	4097539	62	DOS RIOS	DOWNY	0939	01	6	4246866	4099846	4246985	4100625
23	VERMONT	PARAMOUNT	0827	01	05	4238816	4070690	4238744	4074729	63	DOS RIOS	DOWNY	0939	02	6	4246972	4100619	4248606	4101488
24	ILLINOIS	PARAMOUNT	0828	01	05	4237931	4069962	4237911	4074711	64	DOS RIOS	DOWNY	0939	03	6	4248606	4101450	4249589	4101572
25	ARTHUR	PARAMOUNT	0910	01	05	4238493	4078030	4238483	4080443	65	EMIL	B GARDENS	0937	01	5	4242906	4098022	4242980	4098666
26	HOOVER	DOWNY	0909	01	06	4238491	4080425	4239773	4082699	66	EMIL	B GARDENS	0937	02	5	4242900	4098650	4243873	4099585
27	SMALLWOOD	DOWNY	0908	04	06	4239999	4083465	4241026	4085406	67	EMIL	B GARDENS	0937	03	5	4243905	4099565	4243999	4100183
28	SMALLWOOD	DOWNY	0908	01	06	4242317	4087438	4243224	4088861	68	EMIL	B GARDENS	0937	04	5	4244003	4100187	4244922	4101143
29	SMALLWOOD	DOWNY	0908	02	06	4245599	4092398	4247097	4094848	69	EMIL	B GARDENS	0937	05	5	4244920	4101155	4245363	4102194
30	SMALLWOOD	DOWNY	0908	03	06	4247439	4096728	4247845	4097455	70	EMIL	B GARDENS	0937	06	5	4245337	4102170	4245485	4103015
31	TWEEDY	DOWNY	0579	03	06	4248102	4095833	4249844	4098662	71	EMIL	B GARDENS	0937	07	5	4245473	4103015	4245769	4103631
32	RIVES	DOWNY	0907	01	06	4240055	4084615	4244978	4092452	72	PERRY	B GARDENS	0936	01	5	4241763	4098642	4243116	4100119
33	RIVES	DOWNY	0907	02	06	4244972	4092420	4247361	4096335	73	PERRY	B GARDENS	0936	02	5	4243136	4100107	4244282	4102746
34	HORLEY	DOWNY	0899	01	06	4246462	4096082	4246968	4096897	74	IRA	B GARDENS	0935	01	5	4240540	4097780	4240742	4100370
35	HORLEY	DOWNY	0899	02	06	4247123	4096891	4249579	4100330	75	IRA	B GARDENS	0935	02	5	4240724	4100394	4242149	4103069
36	JULIUS	DOWNY	0906	01	06	4240455	4087456	4241254	4088853	76	GEPHART	B GARDENS	0933	01	5	4239492	4097256	4239731	4099134
37	JULIUS	DOWNY	0906	02	06	4241595	4089314	4242622	4091076	77	COLMAR	B GARDENS	0932	01	5	4240197	4100920	4240574	4104277
38	JULIUS	DOWNY	0906	03	06	4243034	4091507	4243747	4092623	78	L SELINDA	B GARDENS	0931	01	5	4239358	4100533	4239793	4104429
39	WY BURKE	DOWNY	0905	01	06	4243967	4093044	4247725	4098947	79	JABONERIA	B GARDENS	0934	01	5	4236475	4096255	4240209	4100426
40	OR SCHOOL	DOWNY	0904	01	06	4238351	4085548	4239130	4086575	80	JABONERIA	B GARDENS	0934	02	5	4240233	4100420	4241763	4103081

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TIME OF ENTRY - 20:00:00 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - CHARLES CICERO F

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TIME OF ENTRY - 20:00:00    DATE OF LAST UPDATE - 02-FEB-77    OPERATOR NAME - SHREEDHAR S
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20475 LOWER RIGHT = 20078 LOWER LEFT = 598 UPPER LEFT = 569
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21650 LOWER RIGHT = 401 LOWER LEFT = 416 UPPER LEFT = 21663

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	JABONERIA	B GARDENS	0934	03	15	4241751	4103070	4241895	4104235	41	WRIGHT	LYNWOOD	0847	05	4	4233213	4087032	4233327	4088339
2	EASTERN	B GARDENS	0057	12	15	4238442	4095499	4237769	4098088	42	WRIGHT	LYNWOOD	0847	06	4	4233309	4088333	4232982	4090635
3	EASTERN	B GARDENS	0057	13	15	4237763	4098077	4238876	4107246	43	DUNCAN	LYNWOOD	0846	02	4	4231136	4079834	4231641	4081432
4	EASTERN	B GARDENS	0057	14	15	4238864	4107260	4239569	4112433	44	DUNCAN	LYNWOOD	0846	01	4	4231751	4082531	4233146	4086629
5	TEXACO	PARAMOUNT	0838	01	05	4235663	4070667	4235663	4071708	45	ADELLA	LYNWOOD	0848	01	4	4233989	4088774	4233845	4089340
6	TEXACO	PARAMOUNT	0838	02	05	4235997	4072101	4235945	4074703	46	ADELLA	LYNWOOD	0848	02	4	4233849	4089320	4234141	4091974
7	TEXACO	PARAMOUNT	0838	03	05	4235617	4074699	4235593	4077059	47	ADELLA	S GATE	0848	03	1	4234131	4091946	4233897	4092728
8	GUNDRY	PARAMOUNT	0839	01	05	4235110	4070737	4235116	4073444	48	RIVERSIDE	BELL	0930	01	4	4236083	4100943	4236412	4103659
9	GUNDRY	PARAMOUNT	0839	02	05	4234936	4073358	4234908	4075956	49	RIVERSIDE	BELL	0930	02	4	4236422	4103635	4236442	4105023
10	ORANGE	PARAMOUNT	0840	02	05	4234232	4077506	4234550	4078862	50	WALKER	BELL	0929	01	4	4235235	4101061	4235587	4103866
11	EL CAMINO	PARAMOUNT	0841	01	05	4233615	4073729	4233601	4077167	51	WALKER	BELL	0929	02	4	4235469	4103856	4235827	4106932
12	SAN JOSE	PARAMOUNT	0967	01	05	4233022	4073296	4232948	4076748	52	WILCOX	BELL	0928	01	4	4233523	4096066	4234670	4106073
13	LB FWY	PARAMOUNT	0125	02	05	4230986	4072702	4231585	4077065	53	HELIOTROP	BELL	0863	01	4	4233183	4101273	4233575	4104121
14	LB FWY	PARAMOUNT	0125	03	05	4231575	4077061	4233096	4078771	54	HELIOTROP	BELL	0863	02	4	4233345	4104117	4233645	4106733
15	LB FWY	PARAMOUNT	0125	04	05	4233088	4078773	4233689	4080027	55	HELIOTROP	MAYWOOD	0863	03	3	4233615	4106727	4232962	4107551
16	LB FWY	PARAMOUNT	0125	05	05	4233643	4080025	4234194	4085167	56	MAYFLOWER	MAYWOOD	0864	01	3	4232640	4104197	4233215	4108664
17	LB FWY	PARAMOUNT	0125	06	05	4234196	4085169	4233763	4087231	57	MAYFLOWER	MAYWOOD	0864	02	3	4233215	4108646	4233669	4109327
18	LB FWY	S GATE	0125	07	11	4233761	4087224	4234484	4088606	58	KING	MAYWOOD	0862	01	3	4231827	4101444	4232131	4104315
19	LB FWY	S GATE	0125	08	11	4234490	4088610	4235701	4089721	59	KING	MAYWOOD	0862	02	3	4231957	4104271	4232518	4108744
20	LB FWY	S GATE	0125	09	11	4235717	4089733	4236132	4091018	60	KING	MAYWOOD	0862	03	3	4232530	4108734	4233022	4109446
21	LB FWY	S GATE	0125	10	11	4236142	4091004	4236362	4097532	61	ATLANTIC	VERNON	0285	03	7	4235735	4112383	4233022	4110831
22	LB FWY	BELL	0125	12	14	4237175	4100760	4237052	4102615	62	ATLANTIC	MAYWOOD	0285	02	3	4233014	4110839	4231867	4109077
23	LB FWY	BELL	0125	11	14	4236372	4097562	4237151	4100760	63	ATLANTIC	MAYWOOD	0285	01	3	4231863	4109067	4231321	4104401
24	LB FWY	BELL	0125	13	14	4237050	4102605	4237263	4105089	64	ATLANTIC	BELL	0049	16	4	4231341	4104355	4231004	4101482
25	LB FWY	BELL	0125	14	14	4237301	4105083	4236572	4107501	65	ATLANTIC	CUDAHY	0049	15	3	4230988	4101510	4233219	4092528
26	LB FWY	BELL	0125	15	14	4236624	4107443	4235289	4109211	66	ATLANTIC	S GATE	0049	14	1	4233223	4092504	4232776	4088345
27	LB FWY	BELL	0125	16	14	4235291	4109203	4234484	4110093	67	ATLANTIC	LYNWOOD	0049	13	4	4232782	4088355	4232432	4087317
28	LB FWY	BELL	0125	17	14	4234474	4110083	4234288	4111294	68	ATLANTIC	LYNWOOD	0049	12	4	4232430	4087303	4229198	4077935
29	LB FWY	BELL	0125	18	14	4234270	4111298	4234812	4112397	69	ATLANTIC	LA COUNTY	0049	11	2	4229218	4077925	4229619	4071780
30	WILLIAMS	LA COUNTY	0845	01	02	4230564	4072185	4230324	4076243	70	ATLANTIC	COMPTON	0049	10	0	4229599	4071794	4229951	4070760
31	WILLIAMS	LA COUNTY	0845	02	02	4230266	4077308	4230225	4078110	71	WHITE	COMPTON	0958	02	0	4229114	4070593	4229056	4071888
32	EDGEBROOK	LYNWOOD	0963	01	04	4232458	4078228	4232740	4079654	72	WHITE	COMPTON	0958	03	0	4228912	4071932	4228754	4074627
33	PHILLIPS	LYNWOOD	0964	01	04	4232758	4079634	4232962	4080708	73	WHITE	LA COUNTY	0958	04	2	4228746	4074928	4228626	4077041
34	PHILLIPS	LYNWOOD	0964	02	04	4233032	4080660	4233441	4081899	74	STONEACRE	LYNWOOD	0959	01	4	4228586	4077971	4229264	4080003
35	CHECK	LYNWOOD	0965	01	04	4233587	4081845	4233717	4082942	75	2ND	LYNWOOD	0960	01	4	4229573	4080859	4230039	4082258
36	WRIGHT	LYNWOOD	0847	07	04	4231357	4077949	4231867	4081097	76	ELM	LYNWOOD	0961	01	4	4230021	4082320	4231669	4086978
37	WRIGHT	LYNWOOD	0847	01	04	4232364	4081133	4233839	4085388	77	STONEACRE	COMPTON	0959	03	0	4228884	4070593	4228804	4071922
38	WRIGHT	LYNWOOD	0847	02	04	4233851	4085346	4233635	4086246	78	HARRIS	COMPTON	0956	02	0	4228057	4070561	4227949	4071928
39	WRIGHT	LYNWOOD	0847	03	04	4233623	4086240	4233809	4086515	79									
40	WRIGHT	LYNWOOD	0847	04	04	4233793	4086517	4233213	4087030	80									

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TIME OF ENTRY - 21:10:18 DATE OF LAST UPDATE 02-FEB-77 OPERATOR NAME - CHARLES CICERO F

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TIME OF ENTRY - 21:10:18    DATE OF LAST UPDATE - 02-FEB-77    OPERATOR NAME - JAMES E. GIBSON
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20475 LOWER RIGHT = 20078 LOWER LEFT = 598 UPPER LEFT = 569
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21650 LOWER RIGHT = 401 LOWER LEFT = 416 UPPER LEFT = 21663

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HARRIS	LA COUNTY	0956	03	02	4227931	4071928	4227571	4078407	41	PINE	MAYWOOD	0865	03	3	4230688	4104465	4231375	4110280
2	HARRIS	LYNWOOD	0956	04	04	4227569	4078411	4228281	4080301	42	S VINCENT	S GATE	0923	01	1	4227178	4088949	4227757	4094298
3	HARRIS	LYNWOOD	0956	05	04	4228696	4081139	4229807	4084436	43	S VINCENT	S GATE	0923	02	1	4227885	4094230	4228406	4098631
4	HARRIS	LYNWOOD	0956	06	04	4229803	4084438	4230243	4084969	44	GIFFORD	BELL	0926	01	4	4228996	4102853	4229172	4104678
5	HARRIS	LYNWOOD	0956	07	04	4230484	4085394	4231002	4086958	45	GIFFORD	BELL	0926	02	4	4229283	4104632	4230181	4111970
6	TEMPLE	COMPTON	0950	01	10	4227072	4071872	4226852	4075814	46	CORONA	BELL	0866	01	4	4228338	4101907	4228518	4103443
7	HOLLY	COMPTON	0951	02	10	4226832	4076582	4226802	4077274	47	CORONA	BELL	0866	02	4	4228318	4103427	4228490	4104786
8	BRADFIELD	COMPTON	0952	01	10	4226644	4070042	4226093	4077286	48	CORONA	BELL	0866	03	4	4228546	4104734	4228722	4105933
9	MURIEL	LYNWOOD	0962	01	04	4227893	4080961	4228201	4081847	49	CORONA	MAYWOOD	0866	04	3	4228844	4106057	4229367	4110569
10	MURIEL	LYNWOOD	0962	02	04	4228045	4081879	4229266	4085103	50	CORONA	VERNON	0866	05	7	4229188	4110677	4229373	4112082
11	BRADFIELD	COMPTON	0953	01	10	4225801	4077294	4226964	4080772	51	SAN LUIS	S GATE	0924	01	1	4226251	4087828	4226406	4089099
12	GERTRUDE	LYNWOOD	0954	01	04	4227206	4081149	4228476	4084955	52	SAN LUIS	S GATE	0924	02	1	4226464	4089057	4227058	4094370
13	BULLIS	COMPTON	0947	01	10	4225547	4071138	4225158	4078709	53	SAN LUIS	S GATE	0924	03	1	4227158	4094354	4227701	4098701
14	BULLIS	LYNWOOD	0947	02	04	4225160	4078717	4226652	4083694	54	S GABRIEL	S GATE	0922	01	1	4225797	4089239	4226095	4092012
15	BULLIS	LYNWOOD	0947	03	04	4226636	4083670	4228143	4087599	55	S GABRIEL	S GATE	0922	02	1	4226115	4092006	4226976	4098743
16	PINEHURST	S GATE	0849	01	11	4232396	4088355	4232636	4091190	56	BEAR	S GATE	0925	03	1	4227363	4100734	4227541	4102043
17	PINEHURST	S GATE	0849	02	11	4232582	4091178	4232782	4093027	57	BEAR	BELL	0925	01	4	4227663	4102001	4228043	4104816
18	VASSLER	S GATE	0850	01	11	4232097	4093769	4232250	4094986	58	BEAR	BELL	0925	02	4	4228169	4104784	4228314	4106039
19	ORANGE	S GATE	0851	01	11	4231447	4088560	4231723	4091341	59	CARMELITA	BELL	0867	01	4	4227795	4104804	4227903	4105933
20	SAMPSON	S GATE	0853	01	11	4230302	4087373	4230532	4088666	60	CARMELITA	MAYWOOD	0867	02	3	4228087	4105777	4228730	4110919
21	HILDRETH	S GATE	0852	01	11	4230520	4088596	4230802	4091457	61	LMA VISTA	BELL	0868	01	4	4227090	4103591	4227282	4104929
22	HILDRETH	S GATE	0852	02	11	4230886	4091401	4231349	4095086	62	LMA VISTA	BELL	0868	02	4	4227126	4104931	4227284	4106037
23	CORNISH	S GATE	0855	01	11	4229773	4087417	4229921	4088744	63	LMA VISTA	MAYWOOD	0868	03	3	4227483	4106228	4228223	4112275
24	KAUFFMAN	S GATE	0854	01	11	4229903	4088694	4230187	4091485	64	EVERETT	MAYWOOD	0869	01	3	4227010	4107583	4227503	4111677
25	KAUFFMAN	S GATE	0854	02	11	4230294	4091505	4230726	4095152	65	MAYWOOD	HNTG PARK	0870	01	6	4226552	4105053	4226444	4108391
26	LEWIS	S GATE	0857	01	11	4228952	4087505	4229074	4088006	66	MAYWOOD	MAYWOOD	0870	02	3	4226416	4108351	4226239	4111182
27	BRYSON	S GATE	0856	01	11	4229074	4088816	4229361	4091625	67	CALIFORNA	LYNWOOD	0921	01	4	4224452	4084965	4225158	4092157
28	BRYSON	S GATE	0856	02	11	4229377	4091635	4229795	4095266	68	CALIFORNA	S GATE	0921	02	1	4225178	4092163	4226370	4102370
29	FRACAR	S GATE	0859	01	11	4228334	4087591	4228436	4088875	69	ELIZABETH	S GATE	0920	01	1	4224235	4089268	4224518	4092245
30	BOWMAN	S GATE	0858	01	11	4228474	4088879	4228740	4091710	70	ELIZABETH	S GATE	0920	02	1	4224464	4092217	4224740	4094671
31	BOWMAN	S GATE	0858	02	11	4228708	4091684	4229144	4095333	71	ELIZABETH	S GATE	0920	03	1	4224598	4094661	4225166	4098976
32	OTIS	S GATE	0860	01	11	4227743	4087625	4228394	4094230	72	STATE	S GATE	0880	01	1	4223032	4090493	4224514	4102507
33	OTIS	S GATE	0860	02	11	4228326	4094195	4229589	4104564	73	STATE	S GATE	0880	02	1	4224528	4102498	4223647	4103503
34	OTIS	BELL	0860	03	14	4229637	4104566	4230047	4107964	74	STATE	HNTG PARK	0880	03	6	4223639	4103489	4223388	4112395
35	FISHBURN	BELL	0927	01	14	4229587	4101715	4229891	4104594	75	NEWELL	HNTG PARK	0872	01	6	4225094	4102316	4224808	4103683
36	FISHBURN	MAYWOOD	0927	02	23	4229989	4104520	4230680	4110364	76	NEWELL	HNTG PARK	0872	02	6	4224876	4103718	4224740	4106416
37	FLORA	BELL	0861	01	14	4229889	4101703	4230219	4104556	77	ALCOA	VERNON	0871	01	7	4224838	4106404	4224722	4112399
38	FLORA	BELL	0861	02	14	4230292	4104512	4230722	4107880	78	S GATE	S GATE	0879	01	1	4222824	4094912	4223398	4099220
39	PINE	BELL	0865	01	14	4230526	4101584	4230744	4103188	79	CYPRESS	S GATE	0876	01	1	4222123	4094980	4222662	4099291
40	PINE	BELL	0865	02	14	4230564	4103182	4230720	4104469	80									

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME - FREENY/HAYSHAYS/

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TIME OF ENTRY - 10:00:00    DATE OF LAST UPDATE - 03-FEB-77    OPERATOR NAME - FREEDMAN, RICHARD
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20474 LOWER RIGHT = 20074 LOWER LEFT = 593 UPPER LEFT = 564
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21651 LOWER RIGHT = 405 LOWER LEFT = 411 UPPER LEFT = 21652

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ARBUTUS	HNTG PARK	0877	01	16	4223007	4102624	4222891	4107770	41	ALAMEDA	COMPTON	0142	07	0	4221328	4073961	4219989	4083968
2	BICKETT	HNTG PARK	0878	01	16	4222499	4108442	4222489	4110157	42	ALAMEDA	LYNWOOD	0142	08	4	4220005	4083964	4218583	4093557
3	MTN VIEW	S GATE	0875	01	11	4221308	4096561	4221678	4099421	43	ALAMEDA	LA COUNTY	0142	09	2	4218591	4093541	4216709	4103771
4	MTN VIEW	LA COUNTY	0875	02	02	4221728	4099405	4222083	4102734	44	ALAMEDA	HNTG PARK	0142	10	6	4216735	4103775	4215850	4108436
5	MTN VIEW	HNTG PARK	0875	03	16	4222077	4102740	4222012	4103992	45	ALAMEDA	L ANGELES	0142	11	1	4215856	4108436	4215550	4112427
6	MILES	HNTG PARK	0873	01	16	4221710	4102758	4221508	4108474	46	WILLOWBRK	LA COUNTY	0730	02	2	4219916	4077218	4214459	4089825
7	SOTO	VERNON	0886	04	17	4221512	4108470	4221448	4112409	47	MONA	COMPTON	0744	01	0	4219912	4077218	4219884	4079243
8	SEVILLE	S GATE	0874	01	11	4220357	4098015	4220605	4099525	48	MONA	LA COUNTY	0744	02	2	4219882	4079247	4218053	4087424
9	SEVILLE	HNTG PARK	0874	02	16	4220607	4099515	4220537	4109186	49	MONA	L ANGELES	0744	03	1	4218059	4087426	4218729	4090155
10	LB BLVD	COMPTON	0168	02	10	4225128	4072597	4224557	4082613	50	OLEANDER	COMPTON	0722	02	0	4218443	4075705	4218277	4078798
11	LB BLVD	LYNWOOD	0168	03	04	4224575	4082609	4224387	4085302	51	OLEANDER	LA COUNTY	0722	03	2	4218263	4078792	4217870	4079717
12	LB BLVD	LYNWOOD	0168	04	04	4224379	4085302	4221844	4094989	52	OLEANDER	LA COUNTY	0722	04	2	4217922	4079733	4217754	4080932
13	LB BLVD	S GATE	0168	05	11	4221846	4094987	4219796	4099132	53	ARANBE	COMPTON	0966	01	0	4217810	4074518	4217576	4078605
14	LB BLVD	HNTG PARK	0168	06	16	4219808	4079132	4219782	4100063	54	ARANBE	LA COUNTY	0966	02	2	4217576	4078605	4217004	4081271
15	PACIFIC	HNTG PARK	0115	03	16	4219708	4100067	4219716	4109176	55	MATTHISEN	COMPTON	0661	01	0	4217626	4073523	4216924	4074550
16	PACIFIC	VERNON	0115	04	17	4219714	4109170	4219680	4112397	56	MATTHISEN	COMPTON	0661	02	0	4217180	4074542	4216928	4078317
17	BURRIS	COMPTON	0943	02	10	4224084	4071853	4223768	4077270	57	PAULSEN	COMPTON	0660	01	0	4216611	4074486	4216355	4078216
18	SANTA FE	COMPTON	0139	10	10	4222505	4072938	4222667	4073961	58	PAULSEN	COMPTON	0660	02	0	4216355	4078222	4216383	4080914
19	SANTA FE	COMPTON	0139	11	10	4222673	4073951	4222493	4078950	59	CENTURY	COMPTON	0185	02	0	4217470	4072533	4216908	4073351
20	SANTA FE	COMPTON	0139	12	10	4222539	4078954	4221884	4083814	60	GRAPE	L ANGELES	0813	01	1	4216423	4086706	4216425	4088509
21	WILLOW	COMPTON	0942	01	10	4222233	4072388	4222129	4074570	61	GRAPE	L ANGELES	0813	02	1	4216219	4088717	4216257	4093547
22	WILLOW	COMPTON	0942	02	10	4222317	4074512	4222169	4077214	62	GRAPE	L ANGELES	0813	03	1	4216419	4093535	4216401	4095406
23	WILLOW	COMPTON	0942	03	10	4222181	4077234	4222131	4079139	63	GRAPE	LA COUNTY	0813	04	2	4216399	4096744	4216393	4098978
24	ALHAMBRA	COMPTON	0815	02	10	4222953	4078966	4223190	4080609	64	JUNIPER	L ANGELES	0825	01	1	4217248	4089093	4217588	4090163
25	ALPINE	LYNWOOD	0945	01	04	4223420	4080932	4223588	4082430	65	JUNIPER	LA COUNTY	0825	02	2	4217492	4090155	4217488	4091742
26	ALPINE	LYNWOOD	0945	02	04	4223612	4082416	4223924	4082943	66	JUNIPER	L ANGELES	0825	03	1	4217320	4091991	4217324	4092472
27	LINDBERGH	LYNWOOD	0945	01	04	4222923	4082925	4223746	4084718	67	JUNIPER	LA COUNTY	0825	04	2	4217458	4093523	4217450	4097534
28	STATE	LYNWOOD	0880	04	04	4221800	4083796	4222947	4090458	68	WILMINGTN	COMPTON	0564	02	0	4215931	4077019	4215608	4078646
29	CPISTRANO	LYNWOOD	0881	01	04	4221784	4088296	4222307	4092534	69	WILMINGTN	LA COUNTY	0564	03	2	4215614	4078644	4215592	4088599
30	STANFORD	S GATE	0882	01	11	4220681	4088872	4221550	4095129	70	WILMINGTN	L ANGELES	0564	04	1	4215590	4088603	4215600	4093539
31	LORRAINE	LYNWOOD	0883	01	04	4219894	4087618	4220305	4089851	71	ELM	LA COUNTY	0137	01	2	4215698	4093549	4215720	4098974
32	TRUBA	S GATE	0826	01	11	4219740	4092859	4220063	4095268	72	BELL	LA COUNTY	0158	01	2	4215570	4097861	4215588	4101854
33	SANTA FE	S GATE	0139	05	11	4220065	4095256	4219602	4097837	73	BELL	LA COUNTY	0158	02	2	4215710	4101834	4215762	4103232
34	SANTA FE	LA COUNTY	0139	06	02	4219604	4097835	4218261	4098825	74	WILMINGTN	LA COUNTY	0564	05	2	4215600	4103200	4215538	4108518
35	SANTA FE	LA COUNTY	0139	07	02	4218259	4098831	4218201	4106535	75	KEMP	COMPTON	0150	01	0	4215414	4074486	4215182	4077779
36	SANTA FE	HNTG PARK	0139	08	16	4218189	4106531	4218171	4112425	76	GRANDEE	COMPTON	0481	02	0	4214395	4075932	4214339	4077021
37	MALABAR	HNTG PARK	0889	01	16	4218994	4103085	4218962	4111142	77	NORTHWOOD	COMPTON	0151	02	0	4213778	4072801	4213734	4073395
38	HAMPTON	VERNON	0890	01	17	4219196	4111085	4219182	4112419	78	NORTHWOOD	COMPTON	0151	03	0	4213596	4075982	4213602	4076983
39	ALBANY	HNTG PARK	0887	01	16	4217452	4103180	4217512	4108085	79	TAJAUTA	COMPTON	0114	01	0	4213582	4070607	4213548	4071813
40	ROSEBERRY	LA COUNTY	0889	01	02	4217556	4101001	4217554	4103222	80									

TIME OF ENTRY - 10:30:06

DATE OF LAST UPDATE 03-FEB-77

OPERATOR NAME - FREENY/HAYSHAYS/

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TIME OF ENTRY - 10:30:06 DATE OF LAST UPDATE 03-FEB-77 OPERATOR NAME FLEETMAN/DAVE
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20474 LOWER RIGHT = 20074 LOWER LEFT = 593 UPPER LEFT = 564
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21651 LOWER RIGHT = 405 LOWER LEFT = 411 UPPER LEFT = 21652

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CURSOR X-COORDINATE DATA - UPPER RIGHT = 20474 LOWER RIGHT = 20074 LOWER LEFT = 593 UPPER LEFT = 564
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21651 LOWER RIGHT = 405 LOWER LEFT = 411 UPPER LEFT = 21652

CURSOR X COORDINATE DATA - UPPER RIGHT = 21651 LOWER RIGHT = 405 LOWER LEFT = 411 UPPER LEFT = 21652

REET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
AUTA	COMPTON	0114	02	10	4213518	4072711	4213252	4078682	41									
NDEE	COMPTON	0481	03	10	4214385	4078315	4214347	4082366	42									
NDEE	LA COUNTY	0481	07	02	4214415	4083036	4214419	4083932	43									
NDEE	L ANGELES	0481	04	01	4214251	4086732	4214249	4087312	44									
NDEE	L ANGELES	0481	05	01	4214063	4089594	4214211	4091786	45									
NDEE	L ANGELES	0481	06	01	4214231	4092658	4214179	4094289	46									
MES	COMPTON	0419	01	10	4214984	4078850	4214966	4079319	47									
MES	LA COUNTY	0419	02	02	4215080	4084630	4215070	4086790	48									
MES	L ANGELES	0419	03	01	4214910	4091220	4214892	4091786	49									
MES	L ANGELES	0419	04	01	4215054	4092069	4214988	4097899	50									
MES	LA COUNTY	0419	05	02	4215108	4097877	4215144	4098797	51									
MES	LA COUNTY	0419	06	02	4214932	4098763	4214936	4100568	52									
MES	LA COUNTY	0419	07	02	4214896	4102470	4214906	4111316	53									
PTON	L ANGELES	0157	04	01	4213444	4079618	4213404	4090190	54									
PTON	L ANGELES	0157	05	01	4213404	4090190	4213464	4095386	55									
CESS	LA COUNTY	0127	01	02	4212477	4084590	4212477	4087354	56									
CESS	L ANGELES	0127	02	01	4212543	4091730	4212581	4095452	57									
E	L ANGELES	0886	01	01	4213991	4087302	4213975	4088699	58									
E	L ANGELES	0886	02	01	4213993	4091694	4213987	4092983	59									
E	L ANGELES	0886	03	01	4213899	4092985	4213855	4095364	60									
E	LA COUNTY	0886	04	02	4213935	4095354	4213963	4097911	61									
E	LA COUNTY	0886	05	02	4213879	4097867	4213889	4103246	62									
VERSE	LA COUNTY	0885	01	02	4214033	4103202	4213989	4107730	63									
GAN	L ANGELES	0884	01	01	4213883	4108446	4213889	4110093	64									
GAN	L ANGELES	0884	02	01	4213758	4111186	4213776	4111890	65									
AMONTE	LA COUNTY	0146	01	02	4213418	4097887	4213430	4100572	66									
AMONTE	LA COUNTY	0146	02	02	4213610	4100542	4213580	4109892	67									
PTON	LA COUNTY	0157	06	02	4213004	4095316	4212698	4105909	68									
PTON	LA COUNTY	0157	07	02	4212920	4105883	4212880	4112409	69									
MELEE	LA COUNTY	0145	01	02	4212285	4099953	4212227	4103250	70									

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TIME OF ENTRY - 11:00:00    DATE OF LAST UPDATE  03-FEB-77    OPERATOR NAME  KINGSFORD, J.
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211013
MAP Y-COORDINATE DATA - UPPER RIGHT = 4080000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4080000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20376 LOWER RIGHT = 20413 LOWER LEFT = 924 UPPER LEFT = 906
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 9403 LOWER RIGHT = 2414 LOWER LEFT = 2386 UPPER LEFT = 9376

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	CALDWELL	CARSON	0101	01	20	4212000	4069889	4212913	4070035	41	PARAMOUNT	LNG BEACH	0562	09	2	4239584	4067009	4239542	4071203
2	CALDWELL	COMPTON	0101	02	10	4212909	4070017	4220331	4070342	42	VERMONT	PARAMOUNT	0027	02	5	4238739	4069394	4238693	4070122
3	CALDWELL	COMPTON	0101	03	10	4220419	4070436	4221832	4070466	43	CHERRY	LNG BEACH	0147	01	2	4236958	4066985	4236950	4070808
4	CALDWELL	COMPTON	0101	04	10	4221832	4070474	4223691	4070562	44	ORANGE	LNG BEACH	0840	01	2	4234287	4067031	4234167	4077550
5	CALDWELL	COMPTON	0101	05	10	4224311	4070582	4225608	4070604	45	MYRTLE	LNG BEACH	0842	01	2	4232980	4067097	4232940	4071768
6	PAULINE	LA COUNTY	0100	01	02	4225606	4070578	4228057	4070638	46	LIME	LNG BEACH	0843	02	2	4232280	4069074	4232340	4070627
7	CALDWELL	COMPTON	0101	06	10	4228053	4070598	4229700	4070680	47	LIME	LNG BEACH	0843	01	2	4232264	4068191	4232346	4066983
8	70TH	LNG BEACH	0108	01	12	4231675	4069413	4242167	4069537	48	ATLANTIC	LNG BEACH	0049	07	2	4231631	4066997	4231619	4068834
9	FLOWER	BELLFLOWR	0107	01	19	4242167	4069507	4249886	4069599	49	ATLANTIC	LNG BEACH	0049	08	2	4231619	4068840	4231199	4069739
10	69TH	LNG BEACH	0117	01	12	4226106	4068551	4228384	4068565	50	ATLANTIC	LNG BEACH	0049	09	2	4231185	4069747	4229912	4070794
11	68TH	LNG BEACH	0111	01	12	4225700	4067922	4228970	4067974	51	ATLANTIC	LNG BEACH	0844	01	2	4231653	4068830	4231725	4071946
12	68TH	LNG BEACH	0111	02	12	4231667	4068151	4236974	4068159	52	LB FWY	LNG BEACH	0125	01	2	4229412	4066973	4230925	4072741
13	68TH	LNG BEACH	0111	03	12	4238269	4068171	4242187	4068223	53	ATLANTIC	LNG BEACH	0957	01	2	4228944	4067021	4229756	4069302
14	PARK	BELLFLOWR	0113	01	19	4242183	4068223	4249910	4068273	54	ATLANTIC	LNG BEACH	0957	02	2	4229754	4069304	4229564	4071882
15	WALNUT	BELLFLOWR	0116	01	19	4243512	4068934	4249908	4069000	55	WHITE	LNG BEACH	0958	01	2	4228924	4067069	4228970	4069080
16	65TH	LNG BEACH	0117	02	12	4239596	4068876	4242185	4068882	56	STONEACRE	LNG BEACH	0959	02	2	4229098	4069182	4229086	4070674
17	PALM	BELLFLOWR	0736	01	19	4243044	4067516	4244150	4067532	57	HARRIS	COMPTON	0956	01	0	4228237	4069296	4228133	4070622
18	67TH	LNG BEACH	0119	05	12	4242195	4067534	4240640	4067492	58	MURIEL	LNG BEACH	0949	01	2	4227243	4066999	4227225	4069304
19	67TH	LNG BEACH	0119	04	12	4240642	4067506	4239906	4067237	59	MURIEL	LA COUNTY	0949	02	2	4227221	4069300	4227083	4071944
20	67TH	LNG BEACH	0119	03	12	4236630	4067261	4235734	4067498	60	LB BLVD	COMPTON	0168	01	0	4226510	4066969	4225050	4072727
21	67TH	LNG BEACH	0119	02	12	4235740	4067500	4231864	4067432	61	HARBOR	LNG BEACH	0948	01	2	4225262	4066969	4225284	4069282
22	67TH	LNG BEACH	0119	01	12	4229154	4067340	4226390	4067336	62	TEMPLE	COMPTON	0950	01	0	4225242	4069274	4225324	4071169
23	BENNETT	LA COUNTY	0036	06	02	4226919	4069773	4226194	4069753	63	BURRIS	COMPTON	0943	01	0	4224389	4069254	4224311	4070606
24	BENNETT	COMPTON	0036	05	10	4225750	4069685	4223181	4069815	64	CHESTER	COMPTON	0944	01	0	4223239	4069196	4223185	4069825
25	BENNETT	COMPTON	0036	04	10	4222684	4069663	4222068	4069651	65	CHESTER	COMPTON	0944	02	0	4223149	4070534	4222530	4078926
26	BENNETT	COMPTON	0036	03	10	4221844	4069635	4219925	4069669	66	SANTA FE	COMPTON	0139	09	0	4222892	4066937	4222440	4072962
27	BENNETT	COMPTON	0036	02	10	4219655	4069633	4216323	4069533	67	ALAMEDA	COMPTON	0142	06	0	4222200	4066965	4221248	4073981
28	BENNETT	COMPTON	0036	01	10	4214896	4069142	4213665	4069120	68	TAMARIND	COMPTON	0941	01	0	4221057	4069152	4220417	4079106
29	GREENLEAF	COMPTON	0110	01	10	4211980	4068814	4221932	4069202	69	WILLOWBRK	COMPTON	0730	01	0	4220361	4069148	4219859	4077214
30	GREENLEAF	COMPTON	0110	02	10	4221930	4069188	4229988	4069314	70	OLEANDER	COMPTON	0722	01	0	4219058	4069138	4218652	4075703
31	CAROB	LA COUNTY	0737	01	02	4216355	4068207	4220299	4068345	71	CENTURY	COMPTON	0105	01	0	4217662	4069088	4217433	4072555
32	WALNUT	CARSON	0116	01	20	4211986	4067031	4214216	4067161	72	WILMINGTON	COMPTON	0564	01	0	4216437	4066937	4215895	4077031
33	WALNUT	CARSON	0116	02	20	4214228	4067165	4219933	4067434	73	GRANDEE	COMPTON	0481	01	0	4214886	4069144	4214814	4070348
34	PIMENTA	BELLFLOWR	0835	01	19	4244651	4069533	4244579	4070947	74	NORTHWOOD	COMPTON	0151	01	0	4214059	4068840	4214033	4071744
35	HAYTER	BELLFLOWR	0831	01	19	4243630	4068902	4243616	4070931	75	CENTRAL	CARSON	0163	17	0	4212611	4066941	4212627	4069797
36	INDIANA	LNG BEACH	0914	01	12	4241561	4067039	4241541	4068551	76									
37	INDIANA	PARAMOUNT	0914	02	05	4241595	4069531	4241531	4072893	77									
38	DOWNEY	PARAMOUNT	0577	04	05	4242191	4067027	4242125	4074205	78									
39	VIRGINIA	PARAMOUNT	0829	01	05	4241141	4069483	4241109	4074800	79									
40	DOWNEY	PARAMOUNT	0577	03	05	4240344	4069513	4240354	4075818	80									

PAGE 4

TIME OF ENTRY - 10:35:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4080000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4080000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20506 LOWER RIGHT = 20624 LOWER LEFT = 1138 UPPER LEFT = 1024
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 8865 LOWER RIGHT = 1895 LOWER LEFT = 1605 UPPER LEFT = 8567
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[illegible]

PAGE 4

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4060000 LOWER RIGHT = 4060000 LOWER LEFT = 4060000 UPPER LEFT = 4080000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20662 LOWER RIGHT = 20520 LOWER LEFT = 1022 UPPER LEFT = 1184
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 10803 LOWER RIGHT = 3845 LOWER LEFT = 4304 UPPER LEFT = 11282

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.2W PRMT	PARAMOUNT	2825	01	05	4238517	4077219	4238529	4076202	41	VIRGINIA	BELLFLOWR	1683	01	9	4246233	4067958	4246309	4072448
2	0.2W CHRY	PARAMOUNT	2826	01	05	4235754	4069356	4235754	4068419	42	CERRITOS	BELLFLOWR	1684	01	9	4245517	4073927	4247373	4077020
3	0.2W CHRY	LA COUNTY	2827	01	02	4235714	4067914	4235688	4067332	43	CERRITOS	BELLFLOWR	1684	02	9	4247399	4077046	4247700	4077275
4	0.2W CHRY	LA COUNTY	2828	01	02	4235688	4067406	4235688	4066547	44	CLARK	BELLFLOWR	1679	01	9	4247491	4065984	4247604	4072454
5	0.5W ORNG	PARAMOUNT	2829	01	05	4231950	4071970	4231940	4071200	45	STEVENS	BELLFLOWR	1678	01	9	4248728	4071270	4248780	4073862
6	0.3W ORNG	PARAMOUNT	2830	01	05	4233020	4072011	4233022	4071146	46	BLAINE	BELLFLOWR	1691	01	9	4249936	4071224	4249902	4073216
7	0.1S GRLF	PARAMOUNT	2831	01	05	4230752	4073026	4231598	4072905	47	BLAINE	BELLFLOWR	1691	02	9	4249904	4073832	4249936	4075528
8	0.1S GRLF	PARAMOUNT	2831	01	05	4229302	4067151	4230002	4067021	48	ARDIS	BELLFLOWR	1681	01	9	4247818	4073884	4249356	4076717
9	0.3S GRLF	PARAMOUNT	2832	01	05	4229586	4068162	4230368	4067982	49									
10	0.2S RSCR	COMPTON	2834	01	10	4231254	4075722	4232228	4075590	50									
11	0.2W WLMT	COMPTON	2813	01	10	4215096	4073664	4215100	4073008	51									
12	0.2W WLMT	COMPTON	2814	01	10	4215098	4073064	4215072	4072287	52									
13	0.2E WLMT	COMPTON	2815	01	10	4217610	4068483	4217632	4067819	53									
14	0.2E WLMT	COMPTON	2816	01	10	4217668	4067635	4217704	4066816	54									
15	0.4E WLMT	COMPTON	2817	01	10	4218813	4068524	4218865	4067799	55									
16	0.4E WLMT	COMPTON	2818	01	10	4218853	4067593	4218897	4066856	56									
17	0.2S GRLF	COMPTON	2819	01	10	4221671	4067908	4222397	4067914	57									
18	0.2S GRLF	COMPTON	2820	01	10	4222521	4067908	4223243	4067867	58									
19	0.2S GRLF	COMPTON	2821	01	10	4224849	4067859	4225803	4067847	59									
20	0.2E CNTL	COMPTON	2822	01	10	4213998	4067490	4213986	4066798	60									
21	0.2W WLMT	COMPTON	2823	01	10	4215406	4069354	4215460	4068449	61									
22	0.2W WLMT	COMPTON	2824	01	10	4215484	4067583	4215510	4066856	62									
23	0.2E LKWD	PARAMOUNT	2835	01	05	4246241	4068062	4246229	4067047	63									
24	ROSECRANS	BELLFLOWR	0500	15	19	4244971	4076617	4248572	4076629	64									
25	ROSECRANS	BELLFLOWR	0500	16	19	4248580	4076629	4250128	4075835	65									
26	SONRISA	BELLFLOWR	1690	01	19	4245831	4076611	4246801	4075971	66									
27	PRITCHARD	BELLFLOWR	1689	01	19	4246901	4076158	4247670	4075710	67									
28	PRITCHARD	BELLFLOWR	1689	02	19	4248090	4075564	4249358	4074823	68									
29	MANDALE	BELLFLOWR	1688	01	19	4246221	4075058	4247656	4074861	69									
30	MANDALE	BELLFLOWR	1688	02	19	4247644	4075114	4249030	4074300	70									
31	COMPTON	BELLFLOWR	0499	08	19	4244917	4073957	4250124	4073832	71									
32	JEFFERSON	BELLFLOWR	0725	03	19	4247087	4072787	4248774	4072745	72									
33	HEGEL	BELLFLOWR	1682	01	19	4244877	4072494	4246321	4072434	73									
34	FLORA VST	BELLFLOWR	1443	04	19	4246487	4072442	4248322	4071260	74									
35	FLORA VST	BELLFLOWR	1443	05	19	4247964	4071300	4250020	4069966	75									
36	OLIVE	BELLFLOWR	0734	02	19	4244861	4070251	4249860	4070185	76									
37	FLOWER	BELLFLOWR	0107	02	19	4244801	4068658	4250004	4068578	77									
38	PARK	BELLFLOWR	0113	02	19	4244895	4067374	4249956	4067292	78									
39	PALM	BELLFLOWR	0736	02	19	4245199	4066680	4247515	4066626	79									
40	BEVERLY	BELLFLOWR	1677	01	19	4247499	4066357	4249940	4066287	80									

TIME OF ENTRY - 10:30:00 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 10:30:00    DATE OF LAST UPDATE  07-MAY-77    OPERATOR NAME  HNTS/STEELES
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20948 LOWER RIGHT = 20522 LOWER LEFT = 1031 UPPER LEFT = 1031
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21396 LOWER RIGHT = 150 LOWER LEFT = 237 UPPER LEFT = 21458

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	LAKEWOOD	BELLFLOWR	0563	06	19	4244781	4069982	4244729	4077321	41	0.2S FRST	S GATE	2857	01	1	4235753	4093013	4236750	4092899
2	LAKEWOOD	BELLFLOWR	0563	09	19	4244739	4077301	4244675	4079471	42	0.4E ATLT	S GATE	2856	01	1	4234831	4093892	4234931	4094816
3	LAKEWOOD	BELLFLOWR	0563	10	19	4244677	4079477	4249944	4087914	43	0.2E ATLT	S GATE	2855	01	1	4233650	4094133	4233700	4095006
4	BUCKLES	BELLFLOWR	1685	02	19	4249197	4086798	4249884	4086754	44	0.1N FRST	S GATE	2881	01	1	4235885	4094892	4236944	4094733
5	STEWRT\$GR	BELLFLOWR	0655	06	19	4248803	4086119	4249886	4086041	45	0.4N FRST	S GATE	2880	01	1	4235789	4096329	4236960	4096213
6	MORY	BELLFLOWR	1680	01	19	4247431	4083971	4249333	4084110	46	0.2N FRST	S GATE	2878	01	1	4231609	4095910	4232812	4096195
7	ADOREE	BELLFLOWR	0810	05	19	4245596	4080972	4248135	4080958	47	0.3E GRFD	S GATE	2865	01	1	4239433	4094151	4239381	4093284
8	ADOREE	BELLFLOWR	0810	06	19	4248703	4080968	4249878	4080986	48	0.2S ST\$G	S GATE	2864	01	1	4236718	4090873	4237434	4091068
9	GARDNDALE	BELLFLOWR	0812	02	19	4244881	4079746	4247397	4078304	49	0.3S FRST	DOWNY	2868	01	6	4249127	4088079	4248349	4088536
10	FOSTER	BELLFLOWR	1298	02	19	4245962	4079150	4247262	4079483	50	0.3S FRST	DOWNY	2867	01	6	4248347	4088526	4247547	4089020
11	FOSTER	BELLFLOWR	1298	03	19	4247270	4079509	4249890	4079489	51	0.2N IMPR	DOWNY	2862	01	6	4236930	4088101	4237886	4087733
12	HOBACK	BELLFLOWR	1687	01	19	4247397	4078846	4248777	4078806	52	0.5S ST\$G	DOWNY	2863	01	6	4236920	4089386	4237980	4089667
13	ARDIS	BELLFLOWR	1681	02	19	4249097	4077457	4249057	4079451	53	0.2W ORSR	DOWNY	2870	01	6	4240243	4090855	4240603	4091491
14	ARDIS	BELLFLOWR	1681	03	19	4248745	4079503	4248731	4082163	54	0.4W ORSR	DOWNY	2869	01	6	4239105	4091624	4239441	4092216
15	ARDIS	BELLFLOWR	1681	04	19	4248747	4082177	4248567	4082807	55	0.5E GRFD	DOWNY	2866	01	6	4240874	4093133	4240980	4093822
16	ARDIS	BELLFLOWR	1681	05	19	4248575	4082809	4248519	4084050	56	0.3N SUVA	DOWNY	2918	01	6	4248897	4099553	4248269	4100551
17	CLARK	BELLFLOWR	1679	02	19	4247425	4073163	4247391	4083859	57	0.1N FSBR	DOWNY	2917	01	6	4247675	4100240	4247096	4101103
18	HANWELL	BELLFLOWR	1686	01	19	4245354	4077853	4246028	4079200	58	0.4N FSBR	DOWNY	2916	01	6	4248893	4100826	4248353	4101765
19	HANWELL	BELLFLOWR	1686	02	19	4246036	4079206	4246470	4080968	59	0.3E OTIS	CUDAHY	2873	01	3	4230413	4099527	4230325	4098756
20	0.2N RSCR	BELLFLOWR	2838	01	19	4244157	4078391	4245136	4078439	60	0.3E OTIS	CUDAHY	2874	01	3	4230293	4098616	4230221	4097833
21	0.2E ALMD	LYNWOOD	2840	01	04	4220888	4085826	4220992	4084849	61	0.2W WLCX	CUDAHY	2875	01	3	4232908	4100786	4232830	4100077
22	0.2W LG88	LYNWOOD	2841	01	04	4223177	4085445	4223552	4086188	62	0.2W WLCX	CUDAHY	2876	01	3	4232816	4099941	4232724	4099256
23	0.2E BLLS	LYNWOOD	2842	01	04	4228254	4085427	4228792	4086093	63	0.5N FRST	CUDAHY	2877	01	3	4231439	4097124	4232472	4097429
24	0.3E BLLS	LYNWOOD	2843	01	04	4229008	4086127	4229474	4086681	64	0.2S STNS	CUDAHY	2879	01	3	4233160	4096994	4234144	4096917
25	0.2W ATLT	LYNWOOD	2844	01	04	4231265	4086882	4231299	4087703	65	0.2W EMIL	B GARDENS	2882	01	5	4241842	4096733	4241960	4098018
26	1.6S IMPR	LYNWOOD	2846	01	04	4232790	4078961	4233476	4078455	66	0.2E EMIL	B GARDENS	2915	01	5	4246434	4101928	4246650	4102789
27	1.4S IMPR	LYNWOOD	2847	01	04	4233190	4079975	4234154	4079730	67	0.8E EAST	B5.AX8CTF	2909	01	3	4242796	4103765	4242914	4104781
28	1.1S IMPR	LYNWOOD	2848	01	04	4233388	4081267	4234367	4081257	68	0.5E EAST	B GARDENS	2907	01	5	4241392	4104120	4241500	4104915
29	0.8S IMPR	LYNWOOD	2849	01	04	4233770	4082735	4234369	4082731	69	0.2E EAST	B GARDENS	2906	01	5	4239891	4104457	4239963	4105046
30	0.5S IMPR	LYNWOOD	2850	01	04	4233892	4084367	4234657	4084311	70									
31	0.2S IMPR	LYNWOOD	2851	01	04	4233660	4085848	4234525	4085846	71									
32	0.2N WLMT	L ANGELES	2852	01	01	4214781	4088302	4215368	4088595	72									
33	0.2S 103	L ANGELES	2853	01	01	4213839	4090789	4214537	4090787	73									
34	0.2S 108	L ANGELES	2854	01	01	4217871	4088757	4218695	4088310	74									
35	0.2N RSCR	S GATE	2837	01	11	4236357	4078614	4237442	4078571	75									
36	0.3E LG8H	S GATE	2845	01	11	4235251	4086595	4235329	4087490	76									
37	0.3N IMPR	S GATE	2861	01	11	4234124	4088797	4234871	4088229	77									
38	0.6N IMPR	S GATE	2860	01	11	4235237	4089993	4236027	4089289	78									
39	0.6S FRST	S GATE	2859	01	11	4235801	4090961	4236458	4090887	79									
40	0.4S FRST	S GATE	2858	01	11	4235787	4091997	4236642	4091869	80									

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TIME OF ENTRY - 11:30:04 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4112600 LOWER RIGHT = 4070000 LOWER LEFT = 4070000 UPPER LEFT = 4112600
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20948 LOWER RIGHT = 20522 LOWER LEFT = 1031 UPPER LEFT = 1031
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21396 LOWER RIGHT = 150 LOWER LEFT = 237 UPPER LEFT = 21458

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NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.85 GRFD	COMMERCE	2919	01	18	4248915	4104536	4249355	4105105	41							
2	0.45 GRFD	COMMERCE	2920	01	18	4247797	4105800	4248285	4106708	42							
3	0.25 GRFD	COMMERCE	2921	01	18	4247046	4106678	4247639	4107593	43							
4	0.2N SNTA	COMMERCE	2922	01	18	4247615	4108510	4246732	4109143	44							
5	0.5N SNTA	COMMERCE	2923	01	18	4247741	4110189	4246846	4110249	45							
6	0.8N SNTA	COMMERCE	2924	01	18	4247783	4111239	4246814	4111696	46							
7	0.3N SNTA	COMMERCE	2925	01	18	4245950	4111062	4245382	4111752	47							
8	0.25 WSHI	COMMERCE	2926	01	18	4244567	4109454	4245226	4110042	48							
9	0.2N GRFD	COMMERCE	2927	01	18	4245236	4108557	4246014	4109193	49							
10	0.8E GRFD	COMMERCE	2914	01	18	4248307	4103660	4248821	4104421	50							
11	0.4E GRFD	COMMERCE	2913	01	18	4247070	4104524	4247469	4105268	51							
12	0.2E GRFD	COMMERCE	2912	01	18	4245936	4105054	4246438	4105012	52							
13	0.2W GRFD	COMMERCE	2911	01	18	4244079	4105901	4244425	4106794	53							
14	0.8E EAST	COMMERCE	2910	01	18	4243089	4106210	4243217	4107147	54							
15	0.5E EAST	COMMERCE	2908	01	18	4241682	4106336	4241804	4107294	55							
16	0.2E EAST	COMMERCE	2905	01	18	4240143	4106589	4240259	4107424	56							
17	0.2N SLSN	COMMERCE	2900	01	18	4230639	4108529	4239655	4108382	57							
18	0.6N SLSN	COMMERCE	2901	01	18	4238869	4110293	4239855	4110197	58							
19	0.9N SLSN	COMMERCE	2902	01	18	4239079	4111999	4240051	4111885	59							
20	0.3E EAST	COMMERCE	2903	01	18	4240906	4111381	4241328	4112254	60							
21	0.6E EAST	COMMERCE	2904	01	18	4242338	4110797	4242736	4111734	61							
22	0.25 SLSN	COMMERCE	2899	01	18	4238374	4106085	4239213	4105963	62							
23	0.3S SLSN	COMMERCE	2898	01	18	4236700	4106122	4237566	4106332	63							
24	0.2E LGBH	COMMERCE	2897	01	18	4237682	4106856	4237800	4108063	64							
25	0.2W LGBH	COMMERCE	2896	01	18	4235279	4106800	4235401	4107687	65							
26	0.4W LGBH	COMMERCE	2895	01	18	4234138	4106874	4234260	4107862	66							
27	0.6S ATLT	COMMERCE	2894	01	18	4235595	4108424	4236249	4108954	67							
28	0.3S ATLT	COMMERCE	2893	01	18	4234455	4109833	4234449	4109833	68							
29	0.3S LGBH	COMMERCE	2892	01	18	4233570	4110598	4232898	4111128	69							
30	0.4S LGBH	COMMERCE	2891	01	18	4233046	4109986	4232450	4110442	70							
31	0.2E GFRD	COMMERCE	2890	01	18	4231265	4110205	4231315	4110687	71							
32	0.25 FRTL	VERNON	2889	01	17	4224514	4109880	4225268	4109861	72							
33	0.25 FRTL	VERNON	2888	01	17	4223974	4109878	4223143	4109876	73							
34	0.2W BOYL	VERNON	2887	01	17	4222559	4110628	4222539	4111522	74							
35	0.2W STFE	L ANGELES	2883	01	01	4217067	4111054	4217069	4110490	75							
36	0.2W STFE	L ANGELES	2884	01	01	4217069	4110159	4217073	4109633	76							
37	0.2W STFE	L ANGELES	2885	01	01	4217069	4109476	4217069	4108948	77							
38	0.2W STFE	L ANGELES	2886	01	01	4217067	4108775	4217071	4108107	78							
39	0.2N NDEV	L ANGELES	2871	01	01	4216760	4101665	4217563	4101795	79							
40	0.3E CALF	HNTG PARK	2872	01	16	4227339	4098975	4227457	4099758	80							

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TIME OF ENTRY - 14:35:00 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 18176 LOWER RIGHT = 18165 LOWER LEFT = 6979 UPPER LEFT = 7003
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 19483 LOWER RIGHT = 1008 LOWER LEFT = 1018 UPPER LEFT = 19517

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	F	L ANGELES	1117	01	01	4202660	4030988	4203651	4031060	41	R	L ANGELES	1106	01	1	4203000	4038386	4204898	4038492
2	F	L ANGELES	1117	02	01	4204206	4030978	4211981	4031466	42	R	L ANGELES	1106	02	1	4204906	4038306	4205864	4038342
3	PALOS VDS	L ANGELES	1116	01	01	4194221	4032068	4197067	4032364	43	R	L ANGELES	1106	03	1	4205846	4038510	4209286	4038742
4	PALOS VDS	L ANGELES	1116	02	01	4197065	4032364	4197824	4033006	44	LOMITA	L ANGELES	1020	01	1	4194816	4038862	4201124	4038776
5	ANAHEIM	L ANGELES	1016	01	01	4194754	4034846	4199337	4032104	45	LOMITA	L ANGELES	1020	02	1	4201126	4038774	4202233	4038966
6	ANAHEIM	L ANGELES	1016	02	01	4199319	4032106	4200383	4031840	46	LOMITA	CARSON	1020	03	0	4202235	4038952	4212037	4039528
7	ANAHEIM	L ANGELES	1016	03	01	4200387	4031838	4209823	4032406	47	248TH	CARSON	1097	01	0	4194826	4039440	4195953	4039408
8	ANAHEIM	L ANGELES	1016	04	01	4209821	4032408	4212005	4032536	48	247TH	L ANGELES	1096	01	1	4194866	4040014	4195514	4039946
9	OPP	L ANGELES	1113	01	01	4203727	4033124	4209796	4033494	49	242ND	L ANGELES	1095	01	1	4194854	4041442	4196139	4041408
10	OPP	L ANGELES	1113	02	01	4209875	4033426	4210758	4033480	50	242ND	L ANGELES	1095	02	1	4196153	4041406	4196666	4041866
11	OPP	L ANGELES	1113	03	01	4211481	4033556	4212033	4033566	51	240TH	L ANGELES	1093	01	1	4194818	4042224	4196672	4042216
12	DENNI	L ANGELES	1112	01	01	4203052	4033892	4207630	4034100	52	FRAMPTON	L ANGELES	1094	01	1	4196678	4042196	4197445	4041452
13	DENNI	L ANGELES	1112	02	01	4207666	4034026	4209803	4034150	53	248TH	L ANGELES	1102	01	1	4207732	4039944	4209202	4040022
14	DENNI	L ANGELES	1112	03	01	4210079	4034156	4211999	4034264	54	246TH	L ANGELES	1101	01	1	4207784	4040600	4209114	4040650
15	L	L ANGELES	1111	01	01	4202974	4034504	4204760	4034560	55	246TH	L ANGELES	1101	02	1	4209114	4040648	4209720	4040244
16	L	L ANGELES	1111	02	01	4204772	4034666	4207596	4034834	56	DELDORAS	CARSON	1099	01	0	4207896	4041284	4210249	4041348
17	L	L ANGELES	1111	03	01	4207616	4034740	4211991	4035002	57	PACIFIC	CARSON	1098	01	0	4206695	4041984	4208555	4042008
18	M	L ANGELES	1110	01	01	4202956	4035456	4204762	4035516	58	PACIFIC	CARSON	1098	02	0	4208909	4042044	4210509	4042092
19	M	L ANGELES	1110	02	01	4204724	4035426	4207153	4035596	59	237TH	CARSON	1088	01	0	4205741	4043296	4207826	4043328
20	M	L ANGELES	1110	03	01	4207586	4035516	4210782	4035686	60	RONAN	CARSON	1090	01	0	4204528	4043686	4204992	4043514
21	263RD	L ANGELES	1115	01	01	4194079	4033710	4196486	4033706	61	RONAN	CARSON	1090	02	0	4205003	4043508	4205281	4042586
22	262ND	L ANGELES	1114	01	01	4194297	4034258	4195911	4034240	62	235TH	CARSON	1087	01	0	4201074	4043926	4201480	4043936
23	260TH	L ANGELES	1109	01	01	4194752	4034870	4196746	4034874	63	235TH	CARSON	1087	02	0	4201877	4043968	4204151	4043946
24	PC HIGHWAY	L ANGELES	1017	01	01	4194826	4035832	4197417	4035820	64	235TH	CARSON	1087	03	0	4204480	4043926	4205483	4043932
25	PC HIGHWAY	L ANGELES	1017	02	01	4197419	4035824	4198919	4036346	65	234TH	CARSON	1092	01	0	4201580	4044506	4205177	4044444
26	PC HIGHWAY	L ANGELES	1017	03	01	4198929	4036332	4203513	4036102	66	234TH	CARSON	1092	02	0	4206408	4044364	4207580	4044334
27	PC HIGHWAY	L ANGELES	1017	04	01	4203515	4036116	4210762	4036572	67	233RD	CARSON	1089	01	0	4201945	4044722	4204185	4044748
28	PC HIGHWAY	L ANGELES	1017	05	01	4210770	4036556	4211957	4036272	68	233RD	CARSON	1089	02	0	4204528	4044694	4205814	4044828
29	256TH	L ANGELES	1105	01	01	4194800	4036554	4196732	4036524	69	231ST	CARSON	1086	01	0	4199422	4045180	4200459	4045134
30	256TH	L ANGELES	1105	02	01	4197395	4036658	4198302	4036626	70	231ST	CARSON	1086	02	0	4201977	4045006	4204149	4044996
31	256TH	L ANGELES	1105	03	01	4198328	4036860	4199135	4036874	71	231ST	CARSON	1086	03	0	4204516	4045444	4205207	4045416
32	SANDISON	L ANGELES	1108	01	01	4202764	4036848	4203547	4036846	72	231ST	CARSON	1086	04	0	4205856	4045428	4207724	4045426
33	SANDISON	L ANGELES	1108	02	01	4203973	4036804	4204676	4036834	73	231ST	CARSON	1086	05	0	4207762	4045436	4208050	4045114
34	SANDISON	L ANGELES	1108	03	01	4204698	4036936	4210383	4037312	74	SEPULVEDA	CARSON	1021	01	0	4194465	4045802	4201819	4042466
35	254TH	L ANGELES	1104	01	01	4194792	4037380	4197119	4037360	75	SEPULVEDA	CARSON	1021	02	0	4201841	4042456	4211969	4042640
36	254TH	L ANGELES	1104	02	01	4197489	4037366	4198977	4037340	76	BELSON	LA COUNTY	1085	01	2	4198695	4045566	4199231	4045572
37	Q	L ANGELES	1107	01	01	4202459	4037454	4204650	4037560	77	BELSON	LA COUNTY	1085	02	2	4199235	4045570	4199696	4045914
38	Q	L ANGELES	1107	02	01	4204680	4037726	4210325	4038068	78	BELSON	LA COUNTY	1085	03	2	4199690	4045922	4200036	4045916
39	252ND	L ANGELES	1103	01	01	4194802	4038112	4197131	4038082	79	230TH	CARSON	1091	01	0	4201704	4045974	4202826	4045996
40	252ND	L ANGELES	1103	02	01	4197439	4038080	4198981	4038056	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0045.001 REVISION 1

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 21-JAN-77 OPERATOR NAME - HAYS/FREENY

MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000

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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 19488 LOWER RIGHT = 1013 LOWER LEFT = 1020 UPPER LEFT = 19521

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	230TH	CARSON	1091	02	20	4210151	4045841	4212041	4045809	41	211TH	CARSON	1073	04	0	4204485	4053410	4204806	4053416
2	228TH	L ANGELES	1082	01	01	4194392	4046547	4205552	4046467	42	211TH	CARSON	1073	05	0	4204956	4053426	4205434	4053432
3	228TH	CARSON	1082	02	20	4205586	4046479	4208110	4046593	43	211TH	CARSON	1073	06	0	4206286	4053436	4206688	4053442
4	227TH	L ANGELES	1083	01	01	4194402	4046967	4197299	4046945	44	209TH	L ANGELES	1072	01	1	4194334	4054464	4195120	4054470
5	227TH	LA COUNTY	1083	02	02	4199065	4046823	4199680	4046769	45	209TH	L ANGELES	1072	02	1	4195110	4054472	4195474	4054116
6	227TH	CARSON	1083	03	20	4204686	4046841	4205516	4046843	46	209TH	L ANGELES	1072	03	1	4195470	4054124	4197295	4054152
7	227TH	CARSON	1083	04	20	4207865	4046821	4208140	4046829	47	209TH	LA COUNTY	1072	04	2	4198257	4054478	4199239	4054352
8	225TH	L ANGELES	1081	01	01	4195978	4047719	4197325	4047717	48	209TH	LA COUNTY	1072	05	2	4200336	4054372	4201023	4054386
9	225TH	LA COUNTY	1081	02	02	4198696	4047695	4199440	4047687	49	TORRANCE	LA COUNTY	1023	01	2	4194400	4054816	4203994	4054924
10	225TH	CARSON	1081	03	20	4203369	4047623	4204531	4047601	50	MILTON	LA COUNTY	1071	01	2	4197315	4055462	4199710	4055490
11	223RD	L ANGELES	1080	01	01	4194350	4048499	4204331	4048447	51	205TH	L ANGELES	1070	01	1	4194332	4055086	4195000	4055088
12	223RD	CARSON	1080	02	20	4204331	4048443	4212005	4048381	52	DEL AMO	L ANGELES	1069	01	1	4194318	4056632	4196266	4056622
13	222ND	L ANGELES	1079	01	01	4194362	4048957	4197337	4048947	53	DEL AMO	LA COUNTY	1069	02	2	4197355	4056460	4201901	4056428
14	222ND	LA COUNTY	1079	02	02	4198730	4048965	4199367	4048983	54	FRANCISCO	LA COUNTY	1068	01	2	4197363	4057892	4197912	4057878
15	222ND	CARSON	1079	03	20	4202647	4048815	4204255	4048823	55	FRANCISCO	L ANGELES	1068	02	1	4198508	4058022	4199718	4058020
16	222ND	CARSON	1079	04	20	4205490	4048939	4206053	4048921	56	FRANCISCO	L ANGELES	1068	03	1	4200268	4057986	4201346	4057998
17	222ND	CARSON	1079	05	20	4208120	4048837	4208687	4048865	57	FRANCISCO	CARSON	1068	04	0	4202126	4057880	4203060	4057892
18	222ND	CARSON	1079	06	20	4208918	4048767	4209946	4048829	58	KNOX	LA COUNTY	1065	01	2	4197357	4059360	4198016	4059354
19	222ND	CARSON	1079	07	20	4210826	4048823	4212037	4048831	59	KNOX	L ANGELES	1065	02	1	4199983	4059298	4201320	4059306
20	220TH	LA COUNTY	1078	01	02	4194394	4049771	4204068	4049805	60	190TH	L ANGELES	1064	01	1	4194330	4060798	4199662	4060810
21	220TH	CARSON	1078	02	20	4204088	4049707	4211466	4049721	61	190TH	L ANGELES	1064	02	1	4199652	4060806	4202689	4062378
22	220TH	CARSON	1078	03	20	4211458	4049725	4212025	4049155	62	190TH	CARSON	1064	03	0	4207472	4060690	4211325	4060708
23	218TH	L ANGELES	1077	01	01	4194358	4050613	4197293	4050607	63	190TH	CARSON	1064	04	0	4211339	4060710	4212005	4060474
24	218TH	CARSON	1077	02	20	4202108	4050657	4202653	4050691	64	SAN DIEGO	CARSON	1024	01	0	4212007	4049375	4206025	4056486
25	218TH	CARSON	1077	03	20	4203870	4050705	4204822	4050707	65	SAN DIEGO	CARSON	1024	02	0	4206025	4056490	4201745	4060316
26	CARSON	LA COUNTY	1022	01	02	4194354	4051076	4204529	4051080	66	SAN DIEGO	L ANGELES	1024	03	1	4201747	4060316	4199520	4061322
27	CARSON	CARSON	1022	02	20	4204540	4051092	4212013	4051098	67	SAN DIEGO	L ANGELES	1024	04	1	4199530	4061314	4194364	4061372
28	216TH	L ANGELES	1075	01	01	4194326	4051414	4197353	4051444	68	VICTORIA	CARSON	1067	01	0	4202689	4062366	4205369	4063842
29	216TH	CARSON	1075	02	20	4200907	4051406	4201368	4051394	69	VICTORIA	CARSON	1067	02	0	4205385	4063850	4212015	4064020
30	216TH	CARSON	1075	03	20	4203718	4051442	4204509	4051462	70	183RD	L ANGELES	1062	01	1	4194995	4063000	4197212	4063126
31	DOUBLE	CARSON	1076	01	20	4205524	4051560	4207540	4051582	71	182ND	L ANGELES	1061	01	1	4194340	4063446	4197160	4063426
32	213TH	L ANGELES	1074	01	01	4194320	4052476	4195950	4052480	72	182ND	L ANGELES	1061	02	1	4197160	4063432	4197696	4063726
33	213TH	L ANGELES	1074	02	01	4196158	4052554	4196623	4052426	73	182ND	L ANGELES	1061	03	1	4197698	4063728	4199420	4063728
34	213TH	L ANGELES	1074	03	01	4196814	4052424	4197311	4052328	74	182ND	L ANGELES	1061	04	1	4199424	4063718	4201262	4064878
35	213TH	LA COUNTY	1074	04	02	4197335	4052366	4199632	4052386	75	182ND	L ANGELES	1061	05	1	4201228	4064874	4202689	4065126
36	213TH	CARSON	1074	05	20	4201338	4052400	4201871	4052382	76	178TH	L ANGELES	1059	01	1	4194356	4064734	4197381	4064746
37	213TH	CARSON	1074	06	20	4203487	4052440	4212037	4052424	77	ARTESIA	L ANGELES	1066	01	1	4194348	4066060	4204367	4066020
38	211TH	L ANGELES	1073	01	01	4194939	4053982	4195400	4053524	78	ARTESIA	CARSON	1066	02	0	4204373	4066020	4211983	4066250
39	211TH	L ANGELES	1073	02	01	4195412	4053506	4197297	4053418	79	GOVERNOR	L ANGELES	1053	01	1	4194867	4032829	4194839	4034227
40	211TH	LA COUNTY	1073	03	02	4199173	4053478	4199560	4053464	80	GOVERNOR	L ANGELES	1053	02	1	4194763	4034099	4194745	4034835

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TIME OF ENTRY - 10:50:06 DATE OF LAST UPDATE 21-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 10:50:06 DATE OF LAST UPDATE - 21-JAN-11 OPERATOR NAME - RAY, JEFFREY
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 19488 LOWER RIGHT = 1013 LOWER LEFT = 1020 UPPER LEFT = 19521

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	PRESIDENT	L ANGELES	1051	04	01	4195966	4032407	4195921	4034253	41	BERENDO	LA COUNTY	0320	12	2	4199065	4051076	4199053	4052402
2	PRESIDENT	L ANGELES	1051	01	01	4195803	4034355	4195809	4038883	42	MEYLER	LA COUNTY	0977	04	2	4198698	4046485	4198722	4049879
3	PRESIDENT	L ANGELES	1051	02	01	4195815	4038893	4195926	4039677	43	PETROLEUM	LA COUNTY	1054	02	2	4199213	4045389	4199207	4046531
4	PRESIDENT	L ANGELES	1051	03	01	4196020	4039649	4195990	4041929	44	MEYLER	LA COUNTY	1056	01	2	4198670	4044899	4198658	4046287
5	BELLEPORT	L ANGELES	1052	01	01	4196463	4033005	4196443	4034861	45	TOMLINSON	LA COUNTY	1058	01	2	4200248	4045163	4200244	4047387
6	BELLEPORT	L ANGELES	1052	02	01	4196703	4034871	4196739	4038847	46	VERMONT	L ANGELES	0305	09	1	4197818	4034209	4199861	4036841
7	HARVARD	L ANGELES	0307	17	01	4195184	4046521	4195100	4053682	47	VERMONT	LA COUNTY	0305	10	2	4199875	4036843	4199971	4047359
8	HARVARD	L ANGELES	0307	18	01	4195106	4054350	4195094	4056770	48	VERMONT	LA COUNTY	0305	11	2	4199979	4047353	4199983	4058556
9	HARVARD	L ANGELES	0307	19	01	4195003	4062138	4194981	4064760	49	VERMONT	L ANGELES	0305	12	1	4199983	4058562	4199861	4066822
10	DENKER	L ANGELES	0311	10	01	4195970	4046505	4195924	4056650	50	HARBOR FY	L ANGELES	0297	20	1	4203255	4030058	4202733	4035531
11	DENKER	L ANGELES	0311	11	01	4195701	4061622	4195689	4064778	51	HARBOR FY	L ANGELES	0297	21	1	4202737	4035533	4202232	4036881
12	DENKER	L ANGELES	0311	12	01	4195653	4066070	4195647	4066884	52	HARBOR FY	LA COUNTY	0297	22	2	4202236	4036883	4201083	4038795
13	HALLDALE	L ANGELES	0312	11	01	4196633	4046519	4196603	4052590	53	HARBOR FY	LA COUNTY	0297	23	2	4201087	4038801	4200556	4039525
14	HALLDALE	L ANGELES	0312	12	01	4196583	4053408	4196579	4054846	54	HARBOR FY	LA COUNTY	0297	24	2	4200564	4039533	4200370	4040707
15	HALLDALE	L ANGELES	0312	13	01	4196609	4056388	4196623	4057602	55	HARBOR FY	LA COUNTY	0297	25	2	4200384	4040715	4200899	4043451
16	EVELYN	L ANGELES	0190	02	01	4196322	4061556	4196326	4064746	56	HARBOR FY	LA COUNTY	0297	26	2	4200907	4043453	4200957	4053144
17	HALLDALE	L ANGELES	0312	14	01	4196338	4066428	4196332	4066960	57	HARBOR FY	LA COUNTY	0297	27	2	4200959	4053150	4201679	4056666
18	NORMANDIE	L ANGELES	0315	16	01	4197858	4033141	4197822	4034247	58	HARBOR FY	CARSON	0297	28	0	4201673	4056678	4201767	4061000
19	NORMANDIE	L ANGELES	0315	17	01	4197822	4034247	4197864	4039745	59	HARBOR FY	LA COUNTY	0297	29	2	4201765	4060994	4201621	4062458
20	NORMANDIE	L ANGELES	0315	18	01	4197864	4039745	4197433	4040281	60	HARBOR FY	L ANGELES	0297	30	1	4201623	4062462	4201717	4066856
21	NORMANDIE	L ANGELES	0315	19	01	4197433	4040281	4197467	4041467	61	MENLO	LA COUNTY	0417	23	2	4201065	4054874	4201354	4056232
22	NORMANDIE	L ANGELES	0315	20	01	4197467	4041467	4197391	4047709	62	MENLO	LA COUNTY	0417	24	2	4201310	4056230	4201308	4060162
23	NORMANDIE	L ANGELES	0315	21	01	4197391	4047709	4197345	4061358	63	FIGUEROA	L ANGELES	0300	11	1	4203589	4030136	4203297	4031034
24	NORMANDIE	L ANGELES	0315	22	01	4197345	4061358	4197371	4066852	64	FIGUEROA	L ANGELES	0300	12	1	4203311	4031022	4202874	4035173
25	GAFFEY	L ANGELES	0975	14	01	4198289	4030580	4198285	4032232	65	FIGUEROA	L ANGELES	0300	13	1	4202884	4035163	4202984	4035827
26	GAFFEY	L ANGELES	0975	15	01	4198087	4032240	4197834	4033009	66	FIGUEROA	L ANGELES	0300	14	1	4202978	4035829	4202441	4037245
27	MARIGOLD	L ANGELES	1055	01	01	4198307	4036251	4198279	4038789	67	FIGUEROA	CARSON	0300	15	0	4202437	4037219	4201811	4042441
28	MARIGOLD	L ANGELES	1055	02	01	4198297	4044033	4198311	4046039	68	FIGUEROA	CARSON	0300	16	0	4201803	4042443	4201456	4043593
29	BUDLONG	LA COUNTY	0318	14	02	4198409	4052690	4198411	4053644	69	FIGUEROA	CARSON	0300	17	0	4201458	4043587	4201547	4045819
30	BUDLONG	LA COUNTY	0318	15	02	4198580	4054874	4198598	4056170	70	FIGUEROA	CARSON	0300	18	0	4201547	4045819	4201356	4046667
31	RAYMOND	LA COUNTY	0317	18	02	4198255	4054466	4198245	4056172	71	FIGUEROA	CARSON	0300	19	0	4201350	4046679	4201338	4054112
32	RAYMOND	L ANGELES	0317	19	01	4198123	4062106	4198121	4062962	72	FIGUEROA	CARSON	0300	20	0	4201346	4054096	4201859	4055826
33	CATALINA	L ANGELES	0319	10	01	4198862	4061618	4198862	4062686	73	FIGUEROA	CARSON	0300	21	0	4201863	4055826	4201917	4058148
34	BUDLONG	L ANGELES	0318	16	01	4198800	4063734	4198804	4065258	74	FIGUEROA	CARSON	0300	22	0	4201919	4058146	4202719	4059708
35	N HMPSHRE	L ANGELES	0321	05	01	4199672	4061602	4199670	4062156	75	FIGUEROA	CARSON	0300	23	0	4202723	4059708	4202687	4065866
36	ROSEMEAD	L ANGELES	1057	01	01	4199021	4056874	4199057	4060472	76	FIGUEROA	CARSON	0300	24	0	4202679	4065870	4202469	4066838
37	CATALINA	L ANGELES	0319	09	01	4198971	4054586	4198951	4056142	77									
38	BERENDO	L ANGELES	0320	14	01	4199201	4054870	4199283	4056204	78									
39	N HMPSHRE	L ANGELES	0321	04	01	4199656	4054894	4199660	4056526	79									
40	BERENDO	L ANGELES	0320	13	01	4198936	4052730	4198936	4053614	80									

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TIME OF ENTRY - 11:00:08 DATE OF LAST UPDATE 21-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 11:00:08      DATE OF LAST UPDATE - 21-JAN-77      OPERATOR NAME - JIM GREEN
MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 18184 LOWER RIGHT = 18166 LOWER LEFT = 6992 UPPER LEFT = 7006
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 19488 LOWER RIGHT = 1013 LOWER LEFT = 1020 UPPER LEFT = 19521

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	VAN TRESS	L ANGELES	1038	01	01	4203168	4038979	4203415	4037113	41	AVALON	CARSON	0299	11	0	4208146	4049029	4208120	4053740
2	FRIGATE	L ANGELES	1026	01	01	4204048	4039039	4203607	4030156	42	AVALON	CARSON	0299	12	0	4208116	4053758	4208414	4054770
3	CAROLDALE	CARSON	1027	01	20	4201855	4043971	4202086	4046479	43	AVALON	CARSON	0299	13	0	4208421	4054776	4207891	4056162
4	MONETA	CARSON	1028	01	20	4202954	4044979	4202964	4043915	44	AVALON	CARSON	0299	14	0	4207877	4056162	4207386	4060738
5	MONETA	CARSON	1028	02	20	4202619	4046477	4202649	4052994	45	AVALON	CARSON	0299	15	0	4207386	4060726	4207370	4065738
6	CAROLDALE	CARSON	1027	02	20	4201945	4047483	4201966	4048093	46	AVALON	CARSON	0299	16	0	4207374	4065730	4207585	4066840
7	CAROLDALE	CARSON	1027	03	20	4201984	4048927	4201988	4049569	47	BROAD	CARSON	1033	02	0	4208992	4032351	4208557	4039325
8	CAROLDALE	CARSON	1027	04	20	4202106	4050247	4202108	4050761	48	BROAD	COMPTON	1033	01	0	4208561	4039341	4208557	4042615
9	CAROLDALE	CARSON	1027	05	20	4202114	4052038	4202126	4052760	49	BANNING	CARSON	1032	01	0	4209250	4041183	4209222	4042651
10	MEHDEN	CARSON	1029	01	20	4204141	4043937	4204137	4044999	50	BANNING	L ANGELES	1032	02	1	4209242	4039907	4209441	4036609
11	MEHDEN	CARSON	1029	02	20	4203890	4046455	4203902	4046967	51	BANNING	CARSON	1032	03	0	4209732	4035679	4209856	4033403
12	KINARD	CARSON	1030	01	20	4203403	4046459	4203441	4047115	52	BANNING	CARSON	1032	04	0	4210006	4033431	4210120	4031618
13	KINARD	CARSON	1030	02	20	4203337	4047109	4203331	4048171	53	BANNING	L ANGELES	1032	05	1	4210024	4031302	4210046	4030296
14	KINARD	CARSON	1030	03	20	4203449	4048791	4203453	4049219	54	EUBANK	L ANGELES	1031	01	1	4210293	4038229	4210477	4034861
15	KINARD	CARSON	1030	04	20	4203423	4050253	4203405	4050835	55	EUBANK	L ANGELES	1031	02	1	4210588	4034917	4210768	4032457
16	KINARD	CARSON	1030	05	20	4203154	4052406	4203146	4052878	56	EUBANK	L ANGELES	1031	03	1	4210712	4031922	4210806	4030026
17	KING	L ANGELES	1037	01	01	4204618	4031014	4204373	4034589	57	MCFARLAND	L ANGELES	1050	02	1	4211512	4032467	4211363	4034989
18	WLMINGTON	L ANGELES	1025	02	01	4204742	4034569	4204612	4039059	58	WILMINGTON	CARSON	0564	06	0	4209681	4039387	4210730	4042695
19	MAIN	CARSON	0143	12	20	4204614	4039061	4204525	4047619	59	WILMINGTON	CARSON	0564	07	0	4210702	4042695	4211997	4044607
20	MAIN	CARSON	0143	13	20	4204533	4047625	4203261	4053378	60	BONITA	CARSON	1044	01	0	4209523	4046855	4209453	4051136
21	MAIN	CARSON	0143	14	20	4203261	4053356	4203050	4058858	61	EDGAR	CARSON	1045	01	0	4210804	4048359	4210804	4050529
22	MAIN	CARSON	0143	15	20	4203048	4058856	4203671	4059868	62	PERRY	CARSON	1046	01	0	4211444	4051102	4211460	4056558
23	MAIN	CARSON	0143	16	20	4203678	4059868	4204582	4061428	63									
24	MAIN	CARSON	0143	17	20	4204588	4061430	4204560	4066838	64									
25	BROADWAY	CARSON	0144	12	20	4203659	4059820	4203629	4065984	65									
26	BROADWAY	CARSON	0144	13	20	4203633	4065984	4203834	4066876	66									
27	MCDONALD	L ANGELES	1040	02	01	4205909	4032132	4205520	4038357	67									
28	NEPTUNE	L ANGELES	1039	04	01	4206598	4032198	4206093	4039173	68									
29	NEPTUNE	CARSON	1039	03	20	4206119	4039163	4206278	4039789	69									
30	NEPTUNE	CARSON	1039	02	20	4206296	4039769	4206235	4041073	70									
31	NEPTUNE	CARSON	1039	01	20	4206264	4041395	4206235	4042199	71									
32	DOLORES	CARSON	1041	01	20	4205470	4042551	4205492	4053688	72									
33	CATSKILL	CARSON	1048	01	20	4205712	4042723	4205722	4043691	73									
34	CATSKILL	CARSON	1048	02	20	4205851	4043819	4205802	4048929	74									
35	ANCHOR	CARSON	1047	01	20	4207398	4045425	4207398	4046577	75									
36	ANCHOR	CARSON	1047	02	20	4207601	4046581	4207583	4048379	76									
37	FRIES	L ANGELES	1034	03	01	4207745	4032260	4207314	4039227	77									
38	FRIES	CARSON	1034	02	20	4207458	4039255	4207420	4041117	78									
39	FRIES	CARSON	1034	01	20	4207346	4041345	4207304	4042567	79									
40	AVALON	CARSON	0299	10	20	4208068	4039129	4208142	4049021	80									

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TIME OF ENTRY - 10:23:00 DATE OF LAST UPDATE 21-JAN-77 OPERATOR NAME - FREELY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4040000 LOWER RIGHT = 4021000 LOWER LEFT = 4021000 UPPER LEFT = 4040000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 19846 LOWER RIGHT = 19610 LOWER LEFT = 8427 UPPER LEFT = 8663
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13751 LOWER RIGHT = 4269 LOWER LEFT = 4565 UPPER LEFT = 14053

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	GAFFEY	L ANGELES	0975	08	01	4199001	4021212	419055	4021927	41									
2	GAFFEY	L ANGELES	0975	09	01	4199055	4021927	4199474	4022554	42									
3	GAFFEY	L ANGELES	0975	10	01	4199474	4022554	4199522	4023859	43									
4	GAFFEY	L ANGELES	0975	11	01	4199522	4023859	4199122	4027089	44									
5	GAFFEY	L ANGELES	0975	12	01	4199122	4027089	4199166	4028221	45									
6	GAFFEY	L ANGELES	0975	13	01	4199166	4028221	4198573	4030399	46									
7	HARBOR FY	L ANGELES	0297	16	01	4199761	4021204	4199927	4023373	47									
8	HARBOR FY	L ANGELES	0297	17	01	4199923	4023397	4200460	4024546	48									
9	HARBOR FY	L ANGELES	0297	18	01	4200466	4024550	4202224	4026078	49									
10	HARBOR FY	L ANGELES	0297	19	01	4202240	4026106	4203526	4029552	50									
11	WIL \$ SP	L ANGELES	1018	01	01	4200566	4023659	4201321	4023835	51									
12	WIL \$ SP	L ANGELES	1018	02	01	4201301	4023819	4201966	4023707	52									
13	WIL \$ SP	L ANGELES	1018	03	01	4201986	4023715	4203260	4024422	53									
14	WIL \$ SP	L ANGELES	1018	04	01	4203276	4024414	4203707	4025277	54									
15	WIL \$ SP	L ANGELES	1018	05	01	4203689	4025279	4202947	4027414	55									
16	WIL \$ SP	L ANGELES	1018	06	01	4202961	4027422	4203731	4028443	56									
17	B	L ANGELES	1019	01	01	4203751	4028441	4210691	4028735	57									
18	ALAMEDA	L ANGELES	0142	58	01	4210713	4028731	4212274	4029811	58									
19	D	L ANGELES	1118	01	01	4203817	4029538	4204522	4029584	59									
20	WLMINGTON	L ANGELES	1025	01	01	4205353	4028513	4205107	4035143	60									
21	MCDONALD	L ANGELES	1040	01	01	4206166	4028577	4206032	4031769	61									
22	FIGUEROA	L ANGELES	0300	10	01	4203741	4028417	4203843	4029783	62									
23	HAWAIIAN	L ANGELES	1036	01	01	4204584	4028471	4204390	4032744	63									
24	NEPTUNE	L ANGELES	1039	05	01	4206949	4028583	4206843	4031799	64									
25	LAGOON	L ANGELES	1035	02	01	4207348	4028607	4207204	4032885	65									
26	FRIES	L ANGELES	1034	05	01	4207440	4023653	4208239	4024722	66									
27	FRIES	L ANGELES	1034	04	01	4208249	4024706	4207995	4031835	67									
28	AVALON	L ANGELES	0299	09	01	4208953	4028687	4208512	4038790	68									
29	BROAD	L ANGELES	1033	03	01	4209197	4031875	4209323	4028243	69									
30	BANNING	L ANGELES	1032	06	01	4210459	4029819	4210513	4028697	70									
31	MCFARLAND	L ANGELES	1050	01	01	4211689	4028962	4211583	4031945	71									
32										72									
33										73									
34										74									
35										75									
36										76									
37										77									
38										78									
39										79									
40										80									

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TIME OF ENTRY - 15:30:00 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 15:30:00    DATE OF LAST UPDATE - 19-JAN-77    OPERATOR NAME - KIRKPATRICK
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20681 LOWER RIGHT = 20709 LOWER LEFT = 1350 UPPER LEFT = 1383
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 8 UPPER LEFT = 21990

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	SEASIDE	LNG BEACH	1203	01	12	4212033	4023016	4222402	4027280	41	ANAHEIM	L ANGELES	1016	05	1	4212083	4032576	4221305	4033334
2	SEASIDE	LNG BEACH	1203	02	12	4222402	4027300	4225175	4027653	42	ANAHEIM	LNG BEACH	1016	06	2	4221307	4033332	4232058	4033298
3	OCEAN	LNG BEACH	1202	01	12	4225177	4027657	4228147	4027709	43	ANAHEIM	LNG BEACH	1016	07	2	4232068	4033298	4242322	4033292
4	OCEAN	LNG BEACH	1202	02	12	4228147	4027707	4232655	4027300	44	ANAHEIM	LNG BEACH	1016	08	2	4242341	4033304	4245449	4033280
5	OCEAN	LNG BEACH	1202	03	12	4232743	4027346	4238218	4026544	45	OPP	L ANGELES	1113	04	1	4212005	4033619	4213845	4033753
6	OCEAN	LNG BEACH	1202	04	12	4238224	4026556	4238771	4026187	46	OPP	L ANGELES	1113	05	1	4214255	4033637	4215895	4033753
7	OCEAN	LNG BEACH	1202	05	12	4238769	4026189	4243492	4025200	47	DENNI	L ANGELES	1112	04	1	4212041	4034289	4215562	4034519
8	LVINGSTON	LNG BEACH	1204	01	12	4243504	4025192	4245597	4025798	48	L	L ANGELES	1111	04	1	4211991	4035025	4213759	4035117
9	BROADWAY	LNG BEACH	1201	01	12	4226334	4028469	4232960	4028453	49	L	L ANGELES	1111	05	1	4213773	4034964	4214507	4035005
10	BROADWAY	LNG BEACH	1201	02	12	4232948	4028381	4237891	4027614	50	PC HIGHWAY	L ANGELES	1017	06	1	4211977	4036286	4218099	4036621
11	BROADWAY	LNG BEACH	1201	03	12	4237899	4027616	4241655	4026696	51	PC HIGHWAY	L ANGELES	1017	07	1	4218109	4036619	4219916	4035875
12	BROADWAY	LNG BEACH	1201	04	12	4241641	4026698	4245587	4026708	52	PC HIGHWAY	LNG BEACH	1017	08	2	4219918	4035879	4226172	4036092
13	3RD	LNG BEACH	1197	01	12	4226619	4028914	4233050	4028864	53	PC HIGHWAY	LNG BEACH	1017	09	2	4226176	4036092	4226984	4035935
14	3RD	LNG BEACH	1197	02	12	4233134	4028982	4238053	4028184	54	PC HIGHWAY	LNG BEACH	1017	10	2	4226984	4035937	4244777	4035925
15	3RD	LNG BEACH	1197	03	12	4238017	4028016	4245523	4028002	55	CRUCES	LNG BEACH	1205	01	2	4212019	4037174	4214427	4037313
16	VISTA	LNG BEACH	1199	01	12	4239976	4027266	4241278	4027257	56	14TH	LNG BEACH	1189	01	2	4222811	4033721	4224947	4033717
17	VISTA	LNG BEACH	1199	02	12	4241288	4027332	4245553	4027364	57	14TH	LNG BEACH	1189	02	2	4226312	4033685	4232055	4033713
18	4TH	LNG BEACH	1196	01	12	4226738	4029329	4237959	4029303	58	14TH	LNG BEACH	1189	03	2	4234672	4033954	4242286	4033946
19	4TH	LNG BEACH	1196	02	12	4237971	4029285	4245493	4029327	59	14TH	LNG BEACH	1189	04	2	4242601	4034154	4245296	4034132
20	COLORADO	LNG BEACH	1198	01	12	4239836	4028671	4245523	4028693	60	15TH	LNG BEACH	1186	01	2	4220932	4034337	4221895	4034347
21	6TH	LNG BEACH	1195	01	12	4226663	4030244	4234239	4030153	61	15TH	LNG BEACH	1186	02	2	4222831	4034367	4225099	4034379
22	6TH	LNG BEACH	1195	02	12	4234702	4030201	4235184	4030204	62	15TH	LNG BEACH	1186	03	2	4226501	4034487	4228101	4034491
23	6TH	LNG BEACH	1195	03	12	4236050	4030288	4237349	4030288	63	15TH	LNG BEACH	1186	04	2	4228121	4034640	4229425	4034644
24	6TH	LNG BEACH	1195	04	12	4237628	4030304	4237993	4030316	64	15TH	LNG BEACH	1186	05	2	4229431	4034277	4230758	4034307
25	6TH	LNG BEACH	1195	05	12	4238025	4030157	4238575	4030165	65	15TH	LNG BEACH	1186	06	2	4230750	4034455	4233367	4034467
26	6TH	LNG BEACH	1195	06	12	4238533	4029975	4245509	4029977	66	15TH	LNG BEACH	1186	07	2	4233315	4034630	4241334	4034630
27	7TH	LNG BEACH	1194	01	12	4226848	4030675	4237315	4030619	67	15TH	LNG BEACH	1186	08	2	4241302	4034441	4245338	4034477
28	7TH	LNG BEACH	1194	02	12	4237315	4030619	4245503	4030661	68	16TH	LNG BEACH	1185	01	2	4220553	4034978	4224993	4034999
29	8TH	LNG BEACH	1193	01	12	4227153	4031088	4233975	4031082	69	16TH	LNG BEACH	1185	02	2	4226543	4034844	4228093	4034846
30	8TH	LNG BEACH	1193	02	12	4234725	4031343	4245268	4031290	70	16TH	LNG BEACH	1185	03	2	4229421	4034954	4232037	4034956
31	10TH	LNG BEACH	1192	01	12	4227209	4031980	4237319	4031944	71	16TH	LNG BEACH	1185	04	2	4233361	4034946	4236020	4034926
32	10TH	LNG BEACH	1192	02	12	4237317	4031950	4246929	4031972	72	17TH	LNG BEACH	1187	01	2	4220527	4035321	4221821	4035299
33	11TH	LNG BEACH	1190	01	12	4223311	4032634	4225125	4032618	73	17TH	LNG BEACH	1187	02	2	4222833	4035307	4225103	4035275
34	11TH	LNG BEACH	1190	02	12	4227327	4032418	4228628	4032442	74	17TH	LNG BEACH	1187	03	2	4226527	4035199	4228071	4035201
35	11TH	LNG BEACH	1190	03	12	4230798	4032712	4236994	4032648	75	17TH	LNG BEACH	1187	04	2	4228125	4035261	4229451	4035249
36	11TH	LNG BEACH	1190	04	12	4237694	4032644	4245505	4032650	76	17TH	LNG BEACH	1187	05	2	4230762	4035283	4237009	4035279
37	12TH	LNG BEACH	1191	01	12	4222484	4033031	4224847	4032993	77	17TH	LNG BEACH	1187	06	2	4237349	4035239	4242002	4035289
38	12TH	LNG BEACH	1191	02	12	4226246	4032995	4227257	4032955	78	17TH	LNG BEACH	1187	07	2	4242649	4035376	4243289	4035384
39	12TH	LNG BEACH	1191	03	12	4228673	4032877	4230732	4032871	79	WILTON	LNG BEACH	1188	01	2	4241270	4035075	4244703	4035099
40	12TH	LNG BEACH	1191	04	12	4233361	4032987	4234725	4033013	80									

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TIME OF ENTRY - 16:10:30 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FREENY

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TIME OF ENTRY - 16:10:30    DATE OF LAST UPDATE - 15-JAN-77    OPERATOR NAME - HNSGREEN
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20681 LOWER RIGHT = 20709 LOWER LEFT = 1350 UPPER LEFT = 1383
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 8 UPPER LEFT = 21998

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	19TH	LNG BEACH	1184	01	12	4221325	4036212	4221787	4036202	41	25TH	SGNL HILL	1176	07	1	4235994	4040608	4237333	4040574
2	19TH	LNG BEACH	1184	02	12	4221793	4036204	4222538	4036603	42	WILLOW	LNG BEACH	1175	01	2	4221087	4041153	4232035	4041242
3	19TH	LNG BEACH	1184	03	12	4222530	4036617	4224899	4036623	43	WILLOW	SGNL HILL	1175	02	1	4232049	4041236	4242870	4041238
4	19TH	LNG BEACH	1184	04	12	4226222	4036603	4229411	4036613	44	WILLOW	SGNL HILL	1175	03	1	4242878	4041230	4243999	4040854
5	19TH	LNG BEACH	1184	05	12	4230792	4036595	4233385	4036603	45	WILLOW	LNG BEACH	1175	04	2	4244001	4040875	4245046	4040881
6	19TH	LNG BEACH	1184	06	12	4233379	4036461	4234733	4036442	46	27TH	LNG BEACH	1174	01	2	4224087	4041903	4225043	4041899
7	19TH	LNG BEACH	1184	07	12	4235021	4036412	4235731	4036428	47	27TH	LNG BEACH	1174	02	2	4226186	4041895	4233367	4041883
8	19TH	LNG BEACH	1184	08	12	4236840	4036609	4240654	4036605	48	27TH	SGNL HILL	1174	03	1	4235382	4041907	4236008	4041897
9	19TH	LNG BEACH	1184	09	12	4241312	4036607	4242152	4036621	49	27TH	SGNL HILL	1174	04	1	4236387	4041921	4238711	4041903
10	20TH	LNG BEACH	1183	01	12	4220222	4036609	4221281	4036569	50	28TH	LNG BEACH	1173	01	2	4222811	4042553	4225298	4042565
11	20TH	LNG BEACH	1183	02	12	4221283	4036567	4222027	4037052	51	28TH	LNG BEACH	1173	02	2	4226234	4042551	4230375	4042587
12	20TH	LNG BEACH	1183	03	12	4222031	4037044	4222480	4037072	52	28TH	SGNL HILL	1173	03	1	4232031	4042561	4233395	4042581
13	20TH	LNG BEACH	1183	04	12	4222853	4037251	4225181	4037249	53	28TH	SGNL HILL	1173	04	1	4234706	4042567	4239982	4042593
14	20TH	LNG BEACH	1183	05	12	4226248	4037251	4234721	4037243	54	29TH	LNG BEACH	1172	01	2	4221000	4043255	4222765	4043233
15	20TH	LNG BEACH	1183	06	12	4234737	4037425	4236048	4037433	55	29TH	LNG BEACH	1172	02	2	4224123	4043201	4225326	4043213
16	20TH	SGNL HILL	1183	07	21	4236347	4037395	4237359	4037361	56	29TH	LNG BEACH	1172	03	2	4226770	4043203	4229583	4043225
17	20TH	SGNL HILL	1183	08	21	4237329	4037219	4239056	4037221	57	29TH	LNG BEACH	1172	04	2	4230215	4043211	4230730	4043221
18	20TH	SGNL HILL	1183	09	21	4239341	4037271	4240004	4037231	58	29TH	SGNL HILL	1172	05	1	4231105	4043221	4233417	4043241
19	20TH	SGNL HILL	1183	10	21	4240646	4037255	4242176	4037239	59	29TH	SGNL HILL	1172	06	1	4234672	4043209	4237329	4043205
20	WILLARD	LNG BEACH	1182	01	12	4220443	4037608	4222777	4037578	60	SPRING	LNG BEACH	1171	01	2	4221181	4043869	4225304	4043857
21	21ST	LNG BEACH	1180	01	12	4222841	4037898	4225330	4037918	61	SPRING	LNG BEACH	1171	02	2	4226254	4043863	4236409	4043877
22	21ST	LNG BEACH	1180	02	12	4226268	4037937	4234700	4037916	62	SPRING	SGNL HILL	1171	03	1	4236407	4043877	4239956	4043887
23	21ST	SGNL HILL	1180	03	21	4235535	4037904	4236064	4037933	63	SPRING	LNG BEACH	1171	04	2	4239962	4043873	4240985	4043516
24	21ST	SGNL HILL	1180	04	21	4236760	4037935	4238916	4037886	64	SPRING	LNG BEACH	1171	05	2	4241005	4043472	4243822	4043429
25	STEARNS	SGNL HILL	1181	01	21	4242435	4038215	4244971	4038177	65	SPRING	LNG BEACH	1171	06	2	4243826	4043415	4245270	4044338
26	HILL	LNG BEACH	1179	01	12	4220539	4038558	4225312	4038590	66	SPRING	LNG BEACH	1171	07	2	4245280	4044338	4246090	4044274
27	HILL	LNG BEACH	1179	02	12	4226240	4038594	4237598	4038602	67	31ST	LNG BEACH	1170	01	2	4222811	4044711	4224069	4044723
28	HILL	SGNL HILL	1179	03	21	4239447	4038602	4242270	4038606	68	31ST	LNG BEACH	1170	02	2	4224472	4044553	4225338	4044539
29	23RD	LNG BEACH	1178	01	12	4220914	4039236	4226740	4039254	69	31ST	LNG BEACH	1170	03	2	4226224	4044563	4232030	4044559
30	23RD	LNG BEACH	1178	02	12	4228105	4039256	4233373	4039244	70	32ND	LNG BEACH	1169	01	2	4222807	4045202	4225356	4045200
31	23RD	SGNL HILL	1178	03	21	4234081	4039266	4236038	4039230	71	32ND	LNG BEACH	1169	02	2	4226198	4045230	4229397	4045216
32	23RD	SGNL HILL	1178	04	21	4238541	4039210	4239966	4039210	72	32ND	LNG BEACH	1169	03	2	4230734	4045232	4231522	4045228
33	23RD	LNG BEACH	1178	05	12	4243325	4039507	4245048	4039539	73	32ND	SGNL HILL	1169	04	1	4233349	4045222	4235200	4045230
34	BURNETT	LNG BEACH	1177	01	12	4221474	4039908	4237335	4039926	74	33RD	LNG BEACH	1168	01	2	4222817	4045866	4225338	4045868
35	25TH	LNG BEACH	1176	01	12	4221456	4040580	4222767	4040578	75	33RD	LNG BEACH	1168	02	2	4228073	4045902	4229892	4045896
36	25TH	LNG BEACH	1176	02	12	4222873	4040489	4224085	4040479	76	33RD	SGNL HILL	1168	03	1	4231067	4045870	4237341	4045874
37	25TH	LNG BEACH	1176	03	12	4224099	4040582	4225087	4040566	77	34TH	LNG BEACH	1167	01	2	4222827	4046512	4225322	4046516
38	25TH	LNG BEACH	1176	04	12	4226238	4040564	4231378	4040584	78	34TH	LNG BEACH	1167	02	2	4226228	4046516	4227113	4046518
39	25TH	LNG BEACH	1176	05	12	4233020	4040580	4233387	4040596	79									
40	25TH	SGNL HILL	1176	06	21	4233698	4040586	4235406	4040594	80									

TIME OF ENTRY - 16:25:07 DATE OF LAST UPDATE 19-JAN-77 OPERATOR NAME - HAYS/FRENEY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20681 LOWER RIGHT = 20709 LOWER LEFT = 1350 UPPER LEFT = 1383
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 8 UPPER LEFT = 21998

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	W WARDLOW	LNG BEACH	1164	01	12	4218873	4048473	4223894	4048431	41	CARSON	LNG BEACH	1022	06	2	4233058	4051457	4242282	4051435
2	W WARDLOW	LNG BEACH	1164	02	12	4223896	4048415	4227058	4046510	42	CARSON	LNG BEACH	1022	07	2	4242258	4051465	4244975	4051419
3	W WARDLOW	LNG BEACH	1164	03	12	4227115	4046500	4239690	4046520	43	ADAMS	CARSON	1207	01	0	4219783	4051710	4222466	4051724
4	E WARDLOW	LNG BEACH	1165	01	12	4230285	4046554	4239688	4046530	44	MONROE	CARSON	1208	01	0	4220052	4052560	4222729	4052544
5	35TH	LNG BEACH	1163	01	12	4227127	4046805	4228035	4046901	45	VAN BUREN	CARSON	1209	01	0	4220206	4053048	4222917	4053050
6	35TH	LNG BEACH	1163	02	12	4229808	4047055	4230734	4047065	46	DOMINGUEZ	CARSON	1210	01	0	4214939	4053082	4225143	4053076
7	35TH	LNG BEACH	1163	03	12	4231580	4046965	4233381	4046939	47	TEHACHAPI	LNG BEACH	1156	01	2	4232703	4052560	4234548	4052564
8	35TH	LNG BEACH	1162	01	12	4227086	4047174	4227887	4047182	48	TEHACHAPI	LNG BEACH	1156	02	2	4234785	4052618	4237289	4052983
9	36TH	LNG BEACH	1162	02	12	4229254	4047723	4237321	4047677	49	CLAIBORNE	LNG BEACH	1157	01	2	4232045	4052673	4234143	4053990
10	37TH	LNG BEACH	1161	01	12	4228556	4048475	4229623	4048469	50	CLAIBORNE	LNG BEACH	1157	02	2	4234137	4054012	4234446	4053864
11	37TH	LNG BEACH	1161	02	12	4230778	4048469	4237285	4048461	51	45TH	LNG BEACH	1153	01	2	4230209	4053906	4231474	4054157
12	SAN DIEGO	CARSON	1024	05	20	4212067	4049398	4213378	4048999	52	45TH	LNG BEACH	1153	02	2	4231470	4054159	4233156	4054137
13	SAN DIEGO	CARSON	1024	06	20	4213376	4049001	4222789	4048860	53	FREELAND	LNG BEACH	1154	01	2	4233160	4054155	4234139	4054778
14	SAN DIEGO	LNG BEACH	1024	07	12	4222791	4048850	4225159	4049263	54	45TH	LNG BEACH	1153	03	2	4235108	4054373	4236299	4053677
15	SAN DIEGO	LNG BEACH	1024	08	12	4225159	4049265	4226365	4049005	55	45TH	LNG BEACH	1153	04	2	4236303	4053681	4237337	4053689
16	SAN DIEGO	LNG BEACH	1024	09	12	4226367	4049007	4229942	4046813	56	WARWOOD	LAKEWOOD	1270	01	9	4239802	4052895	4242094	4052871
17	SAN DIEGO	LNG BEACH	1024	10	12	4229942	4046801	4231442	4045481	57	GREENTOP	LAKEWOOD	1258	01	9	4238625	4054147	4240784	4054137
18	SAN DIEGO	LNG BEACH	1024	11	12	4231440	4045477	4233158	4044797	58	CNTRY CLB	LAKEWOOD	1269	01	9	4241270	4054090	4242657	4054090
19	SAN DIEGO	SGNL HILL	1024	12	21	4233158	4044795	4236353	4044841	59	CNTRY CLB	LAKEWOOD	1269	02	9	4242655	4054088	4243546	4054191
20	SAN DIEGO	LNG BEACH	1024	13	12	4236373	4044837	4239034	4043939	60	CNTRY CLB	LAKEWOOD	1269	03	9	4243550	4054191	4244763	4053048
21	SAN DIEGO	LNG BEACH	1024	17	12	4239046	4043921	4241192	4042543	61	FAIRMAN	LAKEWOOD	1267	01	9	4239782	4054939	4240768	4054925
22	SAN DIEGO	LNG BEACH	1024	18	12	4241192	4042539	4245282	4041639	62	FAIRMAN	LAKEWOOD	1267	02	9	4241039	4054839	4243680	4054804
23	220TH	CARSON	1078	04	20	4219749	4049839	4222458	4049863	63	FAIRMAN	LAKEWOOD	1267	03	9	4243682	4054808	4244809	4053752
24	BIXBY	LNG BEACH	1160	01	12	4227889	4049366	4237993	4049334	64	ARBOR	LAKEWOOD	1266	01	9	4239758	4055422	4241025	4055398
25	ROOSEVELT	LNG BEACH	1159	01	12	4228286	4050222	4234283	4050178	65	ARBOR	LAKEWOOD	1266	02	9	4241025	4055320	4245036	4055316
26	ROOSEVELT	LNG BEACH	1159	02	12	4234696	4050543	4235144	4050485	66	LOOMIS	LAKEWOOD	1265	01	9	4238893	4055936	4241101	4055932
27	ROOSEVELT	LNG BEACH	1159	03	12	4235162	4050499	4235651	4050284	67	LOOMIS	LAKEWOOD	1265	02	9	4242545	4055841	4243520	4055861
28	ROOSEVELT	LNG BEACH	1159	04	12	4235651	4050266	4236002	4050246	68	46TH	LNG BEACH	1152	01	2	4230056	4054524	4232007	4055171
29	ROOSEVELT	LNG BEACH	1159	05	12	4236006	4050180	4237337	4050190	69	46TH	LNG BEACH	1152	02	2	4232011	4055173	4233038	4055139
30	218TH	CARSON	1206	01	20	4219535	4050629	4222286	4050649	70	46TH	LNG BEACH	1152	03	2	4233036	4055143	4234281	4055905
31	MARSHALL	LNG BEACH	1158	01	12	4230359	4050842	4230834	4050828	71	LURAY	LNG BEACH	1151	01	2	4232100	4055697	4233682	4056489
32	MARSHALL	LNG BEACH	1158	02	12	4232070	4050868	4232366	4050862	72	LURAY	LNG BEACH	1151	02	2	4234773	4056547	4236838	4056511
33	MARSHALL	LNG BEACH	1158	03	12	4232368	4050862	4233188	4051142	73	48TH	LNG BEACH	1150	01	2	4227042	4055342	4227423	4055334
34	MARSHALL	LNG BEACH	1158	04	12	4233186	4051142	4234688	4051104	74	48TH	LNG BEACH	1150	02	2	4227425	4055270	4228827	4055252
35	MARSHALL	LNG BEACH	1158	05	12	4235338	4051078	4237295	4051082	75	48TH	LNG BEACH	1150	03	2	4228829	4055278	4229609	4055601
36	CARSON	CARSON	1022	08	20	4212005	4051060	4219633	4051153	76	49TH	LNG BEACH	1149	01	2	4227401	4055936	4230548	4055960
37	CARSON	CARSON	1022	09	20	4219629	4051155	4225376	4051183	77	DEL AMO	LA COUNTY	1069	03	2	4221189	4056623	4230469	4056639
38	CARSON	LNG BEACH	1022	03	12	4230762	4051989	4231392	4051203	78	DEL AMO	LNG BEACH	1069	04	2	4230471	4056641	4231817	4056076
39	CARSON	LNG BEACH	1022	04	12	4231394	4051203	4232402	4051207	79	DEL AMO	LNG BEACH	1069	05	2	4231845	4056062	4233680	4056716
40	CARSON	LNG BEACH	1022	05	12	4232408	4051211	4233064	4051473	80									

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TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - FREENY/HAYS

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TIME OF ENTRY - 10:00:00    DATE OF LAST UPDATE - 28-JAN-11    OPERATOR NAME - FRESHMINTS
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20694 LOWER RIGHT = 20715 LOWER LEFT = 1351 UPPER LEFT = 1373
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21998 LOWER RIGHT = 1 LOWER LEFT = 11 UPPER LEFT = 21997

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STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
HARDING	LNG BEACH	1125	03	12	4240304	4064340	4242307	4064390	41	SKIPJACK	LNG BEACH	1262	01	2	4219763	4025928	4220788	4022882
HARDING	LAKEWOOD	1125	04	29	4242294	4064380	4250031	4064400	42	PIERE	LNG BEACH	1263	01	2	4221249	4023371	4220288	4026151
SCOTT	LA COUNTY	1127	01	02	4225886	4064823	4227092	4064879	43	MCHELEN	CARSON	1250	01	0	4220699	4047451	4220743	4050859
SCOTT	LNG BEACH	1127	02	12	4227137	4064765	4228766	4064817	44	HARBOR VW	CARSON	1251	01	0	4220882	4051188	4220860	4053920
63RD	LNG BEACH	1129	01	12	4230310	4064809	4231866	4064773	45	PROSPECT	CARSON	1252	01	0	4221940	4051220	4221928	4053910
63RD	LNG BEACH	1129	02	12	4232964	4064873	4236998	4064900	46	EVONDA	CARSON	1255	01	0	4221233	4049294	4221249	4049693
63RD	LNG BEACH	1129	03	12	4237010	4065020	4238153	4065030	47	EVONDA	CARSON	1255	02	0	4221489	4050779	4221489	4051184
63RD	LNG BEACH	1129	04	12	4238530	4064873	4240983	4064892	48	WEBSTER	CARSON	1254	05	0	4221389	4047431	4221399	4048476
BORT	LNG BEACH	1130	01	12	4225593	4065323	4228903	4065351	49	SEABRIGHT	LNG BEACH	1253	04	2	4222079	4047429	4222081	4048488
64TH	LNG BEACH	1121	01	12	4232968	4065505	4236998	4065527	50	JUDSON	LNG BEACH	1256	01	2	4220976	4034072	4220980	4035937
64TH	LNG BEACH	1121	02	12	4237222	4065523	4238135	4065521	51	WEBSTER	LNG BEACH	1254	01	2	4221293	4036216	4221263	4036866
64TH	LNG BEACH	1121	03	12	4239652	4065483	4240973	4065477	52	WEBSTER	LNG BEACH	1254	02	2	4221463	4038547	4221459	4041247
64TH	LNG BEACH	1121	04	12	4240963	4065479	4242250	4065527	53	WEBSTER	LNG BEACH	1254	03	2	4221519	4041476	4221411	4042432
CEDAR	BELLFLOWR	1122	01	19	4242244	4065515	4244999	4065509	54	WEBSTER	LNG BEACH	1254	04	2	4221479	4042968	4221469	4043913
65TH	LNG BEACH	1119	01	12	4225910	4066145	4228927	4066141	55	SEABRIGHT	LNG BEACH	1253	01	2	4222129	4033382	4222111	4035950
65TH	LNG BEACH	1119	02	12	4232279	4066131	4236996	4066165	56	SEABRIGHT	LNG BEACH	1253	02	2	4222111	4038567	4222133	4041213
65TH	LNG BEACH	1119	03	12	4237032	4066055	4238183	4066059	57	SEABRIGHT	LNG BEACH	1253	03	2	4222099	4042900	4222083	4043879
65TH	LNG BEACH	1119	04	12	4239660	4066045	4241220	4066061	58	SANTA FE	LNG BEACH	0139	14	2	4222804	4032634	4222768	4042621
RAMONA	BELLFLOWR	1120	01	19	4241629	4066161	4244999	4066201	59	SANTA FE	LNG BEACH	0139	15	2	4222780	4042627	4222770	4048885
VICTORIA	LA COUNTY	1067	03	02	4212041	4064183	4220395	4064547	60	SANTA FE	LNG BEACH	0139	16	2	4222756	4048849	4222472	4049872
ARTESIA	LA COUNTY	1066	03	02	4212025	4066408	4223073	4056625	61	SANTA FE	LNG BEACH	0139	17	2	4222439	4049880	4222299	4051168
ARTESIA	LNG BEACH	1066	04	12	4223053	4066596	4234364	4066621	62	SANTA FE	LNG BEACH	0139	18	2	4222293	4051166	4223917	4056327
ARTESIA	LNG BEACH	1066	05	12	4234370	4066807	4245011	4066867	63	SANTA FE	LNG BEACH	0139	19	2	4223931	4056361	4223929	4057303
SANFORD	L ANGELES	1259	01	01	4212165	4030995	4212093	4032602	64	SANTA FE	LA COUNTY	0139	20	2	4223925	4057299	4222385	4060990
SANFORD	L ANGELES	1259	02	01	4212261	4032622	4211971	4036303	65	SANTA FE	LA COUNTY	0139	21	2	4222399	4060994	4223460	4062781
PIONEER	L ANGELES	1260	01	01	4212905	4031545	4212883	4032650	66	SANTA FE	LA COUNTY	0139	22	2	4223468	4062785	4223626	4064129
PIONEER	L ANGELES	1260	02	01	4212787	4032648	4212718	4033663	67	SANTA FE	LA COUNTY	0139	23	2	4223630	4064129	4223027	4066953
WATSON	L ANGELES	1258	01	01	4213085	4032674	4212839	4037556	68	CASPIAN	LNG BEACH	1211	01	2	4223801	4032257	4223767	4038595
BLINN	L ANGELES	1257	01	01	4213845	4033741	4213617	4038102	69	CASPIAN	LNG BEACH	1211	02	2	4223761	4039261	4223747	4042533
HENRY FRD	L ANGELES	1261	01	01	4215501	4024424	4214707	4034048	70	CASPIAN	LNG BEACH	1211	03	2	4223807	4042559	4223785	4043754
HENRY FRD	L ANGELES	1261	02	01	4214701	4034022	4214527	4034744	71	CASPIAN	LNG BEACH	1211	04	2	4223787	4043863	4223749	4044733
ALAMEDA	L ANGELES	0142	14	01	4213945	4032947	4216962	4042559	72	CASPIAN	LNG BEACH	1211	05	2	4223759	4045224	4223755	4046526
ALAMEDA	L ANGELES	0142	13	01	4212047	4030347	4213935	4032921	73	CASPIAN	LNG BEACH	1211	06	2	4223588	4046530	4223560	4048444
ALAMEDA	CARSON	0142	15	20	4216950	4042559	4220507	4053912	74	FASHION	LNG BEACH	1212	01	2	4224847	4032393	4224829	4033025
ALAMEDA	CARSON	0142	16	20	4220513	4053880	4221948	4059271	75	FASHION	LNG BEACH	1212	02	2	4224845	4033356	4224811	4035524
ALAMEDA	LA COUNTY	0142	17	02	4221934	4059269	4222650	4063897	76	FASHION	LNG BEACH	1212	03	2	4224769	4036317	4224753	4046478
ALAMEDA	LA COUNTY	0142	18	02	4222672	4063901	4222279	4066972	77	FASHION	LNG BEACH	1212	04	2	4224635	4046777	4224641	4047692
ILMINGTN	CARSON	0564	08	20	4212027	4044697	4214603	4048502	78	LB FWY	LNG BEACH	0125	19	2	4226098	4031021	4225264	4031691
ILMINGTN	CARSON	0564	09	20	4214593	4048500	4217161	4056587	79	LB FWY	LNG BEACH	0125	20	2	4225288	4031701	4225054	4036521
ILMINGTN	LA COUNTY	0564	10	02	4217161	4056579	4216507	4066960	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0055.001 REVISION 1

TIME OF ENTRY - 10:00:13 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - FRENEY/HAYS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600

MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20694 LOWER RIGHT = 20715 LOWER LEFT = 1351 UPPER LEFT = 1373

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21998 LOWER RIGHT = 1 LOWER LEFT = 11 UPPER LEFT = 21997

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	LB FWY	LNG BEACH	0125	21	12	4225050	4036521	4225144	4041640	41	LB BLVD	LNG BEACH	0168	09	2	4230693	4047076	4230723	4052239
2	LB FWY	LNG BEACH	0125	22	12	4225140	4041644	4225174	4049286	42	LB BLVD	LNG BEACH	0168	10	2	4230725	4052243	4228119	4060609
3	LB FWY	LNG BEACH	0125	23	12	4225174	4049284	4224767	4051182	43	LB BLVD	LNG BEACH	0168	11	2	4228119	4060615	4226567	4066907
4	LB FWY	LNG BEACH	0125	24	12	4224769	4051178	4225823	4056674	44	ELM	LNG BEACH	1247	01	2	4231226	4027473	4231252	4031932
5	LB FWY	LNG BEACH	0125	25	12	4225817	4056668	4226567	4060521	45	ELM	LNG BEACH	1247	02	2	4231120	4031992	4231106	4034975
6	LB FWY	LNG BEACH	0125	26	12	4226587	4060535	4228929	4065018	46	ELM	LNG BEACH	1247	03	2	4231054	4037917	4231008	4042250
7	LB FWY	LNG BEACH	0125	27	12	4228929	4065024	4229366	4066749	47	ELM	LNG BEACH	1247	04	2	4231034	4043885	4231028	4046546
8	RAHN	LA COUNTY	1249	01	02	4226132	4063618	4225771	4065196	48	ELM	LNG BEACH	1247	05	2	4231120	4046550	4231130	4052475
9	MURIEL	LNG BEACH	0949	03	12	4227265	4065022	4227303	4066958	49	ELM	LNG BEACH	1247	06	2	4231324	4052638	4230998	4053222
10	BUTLER	LNG BEACH	0955	02	12	4228400	4064721	4228428	4066964	50	ELM	LNG BEACH	1247	07	2	4231006	4056220	4230974	4063124
11	S FRNCSCO	LNG BEACH	1213	01	12	4226613	4028494	4226597	4030257	51	ELM	LNG BEACH	1247	08	2	4230819	4063056	4230799	4064757
12	S FRNCSCO	LNG BEACH	1213	02	12	4226501	4033368	4226535	4035883	52	ATLANTIC	LNG BEACH	0049	17	2	4232068	4027385	4232030	4037241
13	S FRNCSCO	LNG BEACH	1213	03	12	4226435	4036094	4226413	4041080	53	ATLANTIC	LNG BEACH	0049	18	2	4232028	4037211	4231996	4045878
14	S FRNCSCO	LNG BEACH	1213	04	12	4226387	4041407	4226397	4046368	54	ATLANTIC	LNG BEACH	0049	19	2	4232004	4045870	4232036	4055171
15	GOLDEN	LNG BEACH	1214	01	12	4226904	4027738	4226920	4030239	55	ATLANTIC	LNG BEACH	0049	20	2	4232028	4055173	4232016	4063497
16	GOLDEN	LNG BEACH	1214	02	12	4226760	4035937	4226742	4045098	56	ATLANTIC	LNG BEACH	0049	21	2	4232020	4063503	4231665	4066891
17	GOLDEN	LNG BEACH	1214	03	12	4226738	4045102	4226766	4046522	57	OLIVE	LNG BEACH	1219	01	2	4232836	4028065	4232882	4032050
18	MAGNOLIA	LNG BEACH	1215	01	12	4228087	4027698	4228059	4037558	58	OLIVE	LNG BEACH	1219	02	2	4232714	4031986	4232720	4034130
19	MAGNOLIA	LNG BEACH	1215	02	12	4228061	4037556	4228017	4046919	59	OLIVE	LNG BEACH	1219	03	2	4232708	4035941	4232676	4039831
20	MAGNOLIA	LNG BEACH	1215	03	12	4228015	4046917	4227676	4047922	60	OLIVE	LNG BEACH	1219	04	2	4232650	4041825	4232650	4042581
1	CEDAR	LNG BEACH	1216	01	12	4229011	4027706	4228945	4037269	61	OLIVE	LNG BEACH	1219	05	2	4232696	4043205	4232686	4043911
2	CEDAR	LNG BEACH	1216	02	12	4229041	4037259	4229021	4045766	62	OLIVE	LNG BEACH	1219	06	2	4232692	4045820	4232704	4052953
3	CEDAR	LNG BEACH	1216	03	12	4228929	4046588	4228877	4047335	63	OLIVE	LNG BEACH	1219	07	2	4232704	4052953	4232415	4053430
4	CEDAR	LNG BEACH	1216	04	12	4228835	4047688	4228488	4051202	64	OLIVE	LNG BEACH	1219	08	2	4232600	4058832	4232626	4063881
5	CEDAR	LNG BEACH	1216	05	12	4228502	4051204	4228867	4051521	65	CALIFORNA	LNG BEACH	1218	02	2	4233337	4032989	4233383	4042972
6	CEDAR	LNG BEACH	1216	06	12	4229384	4057031	4229402	4060027	66	CALIFORNA	LNG BEACH	1218	03	2	4233385	4042976	4233385	4042980
7	PACIFIC	LNG BEACH	1248	01	12	4229420	4027653	4229392	4037919	67	CALIFORNA	LNG BEACH	1218	04	2	4233353	4030235	4233325	4032981
8	PACIFIC	LNG BEACH	1248	02	12	4229396	4037909	4229350	4046562	68	CALIFORNA	LNG BEACH	1218	05	2	4233343	4052991	4232862	4054086
9	PACIFIC	LNG BEACH	1248	03	12	4229352	4046562	4228803	4052259	69	CALIFORNA	LNG BEACH	1218	06	2	4232858	4054084	4232918	4055374
0	PACIFIC	LNG BEACH	1248	04	12	4228075	4054842	4228055	4058034	70	CALIFORNA	LNG BEACH	1218	07	2	4233249	4059440	4233203	4066799
1	PACIFIC	LNG BEACH	1248	05	12	4227987	4058112	4227953	4059714	71	LEMON	LNG BEACH	1220	01	2	4233875	4033304	4233893	4034636
2	PINE	LNG BEACH	1217	01	12	4229833	4027663	4229781	4037939	72	LEMON	LNG BEACH	1220	02	2	4234007	4035276	4234003	4041219
3	PINE	LNG BEACH	1217	02	12	4229783	4037921	4229757	4042577	73	LEMON	LNG BEACH	1220	03	2	4233991	4045208	4234001	4049387
4	PINE	LNG BEACH	1217	03	12	4229905	4044504	4229863	4045910	74	LEMON	LNG BEACH	1220	04	2	4233889	4050177	4233905	4051120
5	PINE	LNG BEACH	1217	04	12	4229781	4047070	4229618	4048480	75	LEMON	LNG BEACH	1220	05	2	4233692	4055897	4233674	4056736
6	PINE	LNG BEACH	1217	05	12	4229610	4048464	4229238	4052251	76	LEMON	LNG BEACH	1220	06	2	4233732	4058637	4233706	4059157
7	PINE	LNG BEACH	1217	06	12	4229797	4056630	4229805	4057105	77	LEMON	LNG BEACH	1220	07	2	4233786	4059436	4233772	4066785
8	PINE	LNG BEACH	1217	07	12	4229977	4057334	4229977	4060264	78	CERRITOS	LNG BEACH	1222	01	2	4233834	4027202	4234167	4031950
9	LB BLVD	LNG BEACH	0168	07	12	4230725	4027587	4230717	4037235	79	CERRITOS	LNG BEACH	1222	02	2	4234342	4031972	4234322	4032660
0	LB BLVD	LNG BEACH	0168	08	12	4230717	4037241	4230695	4047076	80	CERRITOS	LNG BEACH	1222	03	2	4234356	4035278	4234352	4035956

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FILE NAME CS00056.002 REVISION 2
TIME OF ENTRY - 10:50:05 DATE OF LAST UPDATE 20-JAN-77 OPERATOR NAME - FRENEY/HAYS

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TIME OF ENTRY - 10:50:05    DATE OF LAST UPDATE  20-JAN-77    OPERATOR NAME  FREEDMAN, J
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20694 LOWER RIGHT = 20715 LOWER LEFT = 1351 UPPER LEFT = 1373
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21998 LOWER RIGHT = 1 LOWER LEFT = 11 UPPER LEFT = 21997

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	CERRITOS	LNG BEACH	1222	04	12	4234360	4037261	4234362	4037949	41	ROSE	SGNL HILL	1223	03	1	4236824	4038607	4236907	4039568
2	CERRITOS	LNG BEACH	1222	05	12	4234348	4038860	4234314	4040595	42	ROSE	SGNL HILL	1223	04	1	4236663	4039905	4236657	4040902
3	CERRITOS	LNG BEACH	1222	06	12	4234340	4045218	4234267	4050145	43	ROSE	SGNL HILL	1223	05	1	4236661	4041079	4236665	4042615
4	CERRITOS	LNG BEACH	1222	07	12	4234169	4050171	4234179	4051118	44	ROSE	LNG BEACH	1223	06	2	4236691	4046552	4236689	4051101
5	CERRITOS	LNG BEACH	1222	08	12	4234442	4051868	4234422	4053802	45	ROSE	LNG BEACH	1223	07	2	4236840	4051691	4236807	4053695
6	CERRITOS	LNG BEACH	1222	09	12	4234103	4059384	4234067	4066795	46	ROSE	LNG BEACH	1223	08	2	4236645	4056072	4236459	4058417
7	ORANGE	LNG BEACH	0840	04	12	4234366	4027134	4234634	4028769	47	ROSE	LNG BEACH	1223	09	2	4236465	4058411	4236415	4064151
8	ORANGE	LNG BEACH	0840	05	12	4234644	4028777	4234660	4034614	48	ROSE	LNG BEACH	1223	10	2	4236324	4064214	4236336	4066841
9	ORANGE	LNG BEACH	0840	05	12	4234700	4035564	4234682	4045712	49	CHERRY	LNG BEACH	0147	02	2	4237070	4026723	4237313	4028157
10	ORANGE	LNG BEACH	0840	06	12	4234682	4045710	4234694	4054786	50	CHERRY	LNG BEACH	0147	03	2	4237309	4028157	4237319	4038605
11	ORANGE	LNG BEACH	0840	07	12	4234698	4054796	4234400	4058116	51	CHERRY	SGNL HILL	0147	04	1	4237321	4038609	4237319	4049376
12	ORANGE	LNG BEACH	0840	08	12	4234398	4058082	4234334	4066819	52	CHERRY	LNG BEACH	0147	05	2	4237321	4049399	4237269	4059482
13	NEBRASKA	LNG BEACH	1224	01	12	4235508	4029324	4235498	4030664	53	CHERRY	LNG BEACH	0147	06	2	4237265	4059476	4237014	4060254
14	HOFFMAN	LNG BEACH	1225	01	12	4235687	4031306	4235671	4031952	54	CHERRY	LNG BEACH	0147	07	2	4237020	4060256	4236976	4066943
15	HOFFMAN	LNG BEACH	1225	02	12	4235488	4031980	4235486	4033294	55	ALAMITOS	LNG BEACH	0206	01	2	4232698	4027343	4235025	4036613
16	GUNDRY	LNG BEACH	1226	01	12	4235312	4033280	4235284	4035943	56	ALAMITOS	LNG BEACH	0206	02	2	4235033	4036607	4236799	4037943
17	GUNDRY	SGNL HILL	1226	02	21	4235534	4037899	4235522	4038597	57	JUNIPERO	LNG BEACH	1228	01	2	4237553	4026378	4238676	4030666
18	GUNDRY	SGNL HILL	1226	03	21	4235514	4039917	4235480	4041201	58	JUNIPERO	LNG BEACH	1228	02	2	4238666	4030642	4238634	4037923
19	GUNDRY	SGNL HILL	1226	04	21	4235356	4041215	4235354	4043191	59	JUNIPERO	SGNL HILL	1228	03	1	4238692	4039241	4238674	4040035
20	GUNDRY	LNG BEACH	1226	05	12	4235350	4045844	4235320	4049356	60	JUNIPERO	SGNL HILL	1228	04	1	4238666	4041229	4238670	4043901
21	GUNDRY	LNG BEACH	1226	06	12	4235202	4049342	4235348	4051432	61	DEEBOYAR	LAKEWOOD	1243	01	9	4238618	4051434	4238564	4059309
22	GUNDRY	LNG BEACH	1226	07	12	4235434	4051683	4235430	4053392	62	PARAMOUNT	LAKEWOOD	0562	14	9	4239636	4051422	4239678	4061540
23	GUNDRY	LNG BEACH	1226	08	12	4235444	4053390	4235861	4054774	63	PARAMOUNT	LNG BEACH	0562	15	2	4239680	4061544	4239638	4066831
24	GUNDRY	LNG BEACH	1226	09	12	4235865	4054776	4235619	4055504	64	OBISPO	LAKEWOOD	1235	02	9	4240508	4051442	4240532	4052983
25	GUNDRY	LNG BEACH	1226	10	12	4235619	4055506	4235422	4057695	65	OBISPO	LAKEWOOD	1235	03	9	4240534	4052983	4240779	4053657
26	GUNDRY	LNG BEACH	1226	11	12	4234937	4061536	4234929	4064151	66	OBISPO	LAKEWOOD	1235	04	9	4240781	4053655	4240751	4055149
27	GUNDRY	LNG BEACH	1226	12	12	4234935	4064159	4235065	4066781	67	OBISPO	LAKEWOOD	1235	05	9	4240769	4055137	4241216	4056172
28	FALCON	LNG BEACH	1229	01	12	4235476	4026933	4235735	4028566	68	OBISPO	LAKEWOOD	1235	06	9	4241208	4056176	4241240	4059219
29	WALNUT	LNG BEACH	1221	01	12	4235998	4028552	4236008	4038601	69	OBISPO	LNG BEACH	1235	07	2	4240983	4061560	4240963	4066841
30	WALNUT	LNG BEACH	1221	02	12	4236008	4038607	4236000	4048454	70	ORIZABA	LNG BEACH	0578	12	2	4240338	4060404	4240348	4061550
31	WALNUT	LNG BEACH	1221	03	12	4236000	4048464	4236008	4053476	71	ORIZABA	LNG BEACH	0578	13	2	4240286	4064322	4240292	4066855
32	WALNUT	LNG BEACH	1221	04	12	4236002	4053486	4236378	4054353	72	DOWNEY	LAKEWOOD	0577	13	9	4242912	4055326	4242303	4056279
33	WALNUT	LNG BEACH	1221	05	12	4236138	4055709	4236036	4056527	73	DOWNEY	LAKEWOOD	0577	12	9	4242814	4054217	4242736	4055288
34	WALNUT	LNG BEACH	1221	06	12	4236040	4056956	4235933	4057887	74	DOWNEY	LAKEWOOD	0577	14	9	4242329	4056277	4242268	4066845
35	WALNUT	LNG BEACH	1221	07	12	4235530	4058361	4235510	4064133	75	HAYTER	LAKEWOOD	1244	01	9	4243100	4053621	4243824	4055330
36	WALNUT	LNG BEACH	1221	08	12	4235701	4064183	4235677	4066833	76	HAYTER	LAKEWOOD	1244	02	9	4243826	4055332	4243840	4064358
37	HERMOSA	LNG BEACH	1230	01	12	4236527	4026797	4236826	4028388	77	COKE	LNG BEACH	1245	01	2	4243557	4062246	4243549	4064727
38	HERMOSA	LNG BEACH	1230	02	12	4236822	4028390	4236735	4029324	78									
39	ROSE	LNG BEACH	1223	01	12	4236671	4029328	4236647	4031974	79									
40	ROSE	LNG BEACH	1223	02	12	4236675	4032634	4236659	4036100	80									

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TIME OF ENTRY - 11:30:00    DATE OF LAST UPDATE - 28-JAN-77    OPERATOR NAME - HAYS/FRENEY
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20680 LOWER RIGHT = 20711 LOWER LEFT = 1351 UPPER LEFT = 1370
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21986 LOWER RIGHT = 1 LOWER LEFT = 9 UPPER LEFT = 21989

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[illegible]

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TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 21-MAR-77 OPERATOR NAME - HAYS/FREENY

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21529 LOWER RIGHT = 21534 LOWER LEFT = 2165 UPPER LEFT = 2200
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21980 LOWER RIGHT = LOWER LEFT = 13 UPPER LEFT = 21993
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[illegible]

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TIME OF ENTRY - 12:00:00 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
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CURSOR X-COORDINATE DATA - UPPER RIGHT = 4067088 LOWER RIGHT = 4022988 LOWER LEFT = 4022988
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 4067088 LOWER RIGHT = 4022988 LOWER LEFT = 4022988

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CURSOR X-COORDINATE DATA -- UPPER RIGHT = 20000 LOWER RIGHT = 20000
CURSOR Y-COORDINATE DATA -- UPPER RIGHT = 21997 LOWER RIGHT = 8 LOWER LEFT = 12 UPPER LEFT = 21975

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.4W HFRD	L ANGELES	2339	01	01	4213492	4023006	4213038	4024044	41	0.2S CRSN	CARSON	2407	01	0	4214545	4050181	4215440	4049952
2	0.2W HFRD	L ANGELES	2340	01	01	4214952	4023532	4214531	4024490	42	0.5W WLMT	CARSON	2408	01	0	4212743	4051476	4212733	4050635
3	0.3E HFRD	L ANGELES	2341	01	01	4217123	4024325	4216738	4025339	43	0.2W WLMT	CARSON	2409	01	0	4214057	4051549	4214063	4050593
4	0.5E HFRD	L ANGELES	2342	01	01	4218303	4024841	4217902	4025789	44	0.3E WLMT	CARSON	2410	01	0	4216792	4051551	4216814	4050507
5	0.7E HFRD	L ANGELES	2343	01	01	4219280	4025273	4218861	4026263	45	0.6E WLMT	CARSON	2411	01	0	4218291	4051649	4218305	4050637
6	0.9E HFRD	L ANGELES	2344	01	01	4220432	4025849	4220010	4026837	46	0.4S DMGZ	CARSON	2406	01	0	4215273	4052167	4216146	4051902
7	1.2E HFRD	L ANGELES	2345	01	01	4221605	4026307	4221160	4027237	47	0.1S DMGZ	CARSON	2405	01	0	4215508	4053302	4216493	4053016
8	1.4E HFRD	L ANGELES	2346	01	01	4222550	4026727	4222197	4027913	48	0.2W WLMT	CARSON	2421	01	0	4214998	4054227	4215010	4053476
9	1.7E HFRD	L ANGELES	2347	01	01	4223684	4026883	4223646	4027958	49	0.3E WLMT	CARSON	2422	01	0	4217599	4054402	4217599	4053378
10	1.4S ANHM	L ANGELES	2373	01	01	4214854	4025428	4216108	4025546	50	0.5E WLMT	CARSON	2423	01	0	4218985	4054400	4219001	4053478
11	1.1S ANHM	L ANGELES	2372	01	01	4214810	4026691	4216098	4026761	51	0.2W LGBH	CARSON	2433	01	0	4216038	4055004	4217035	4054723
12	0.8S ANHM	L ANGELES	2371	01	01	4214657	4028660	4215759	4028743	52	0.5W LGBH	CARSON	2434	01	0	4216311	4055884	4217187	4055635
13	0.5S ANHM	L ANGELES	2370	01	01	4214453	4029913	4215368	4029992	53	0.3S DLMO	CARSON	2420	01	0	4220331	4055277	4221274	4054982
14	0.2S ANHM	L ANGELES	2369	01	01	4214437	4031391	4215241	4031473	54	0.5N DMGZ	CARSON	2428	01	0	4216826	4056693	4217928	4056665
15	0.2E HFRD	L ANGELES	2351	01	01	4215897	4033339	4215971	4032283	55	1.1S VICT	CARSON	2402	01	0	4216531	4058347	4217550	4058374
16	0.4E HFRD	L ANGELES	2352	01	01	4217075	4033361	4217147	4032325	56	0.9S VICT	CARSON	2401	01	0	4216465	4059590	4217462	4059619
17	0.7E HFRD	L ANGELES	2353	01	01	4218273	4033507	4218381	4032722	57	0.7S VICT	CARSON	2400	01	0	4216341	4060817	4217422	4060847
18	0.2E ALMD	L ANGELES	2354	01	01	4216250	4037166	4216373	4035979	58	0.5S VICT	CARSON	2399	01	0	4216172	4061946	4217272	4061992
19	0.5E ALMD	L ANGELES	2355	01	01	4217462	4037142	4217591	4036078	59	0.2S VICT	CARSON	2398	01	0	4216088	4063283	4217211	4063359
20	0.8E ALMD	L ANGELES	2356	01	01	4219268	4036831	4218863	4035544	60	0.2N VICT	CARSON	2397	01	0	4216140	4065560	4217005	4065602

FILE NAME CS0000.002 REVISION 2
TIME OF ENTRY - 14:00:04 DATE OF LAST UPDATE 07-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 14:00:04    DATE OF LAST UPDATE  07-MAY-77    OPERATOR NAME - MATSUYA, HIDEKI
MAP X-COORDINATE DATA - UPPER RIGHT = 4250420 LOWER RIGHT = 4250420 LOWER LEFT = 4211600 UPPER LEFT = 4211600
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4022900 LOWER LEFT = 4022900 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20053 LOWER RIGHT = 20098 LOWER LEFT = 749 UPPER LEFT = 746
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21997 LOWER RIGHT = 8 LOWER LEFT = 12 UPPER LEFT = 21975

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NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.3E CHRY	LAKEWOOD	2444	01	29	4238320	4062693	4238338	4061984	41							
2	0.3E CHRY	LAKEWOOD	2445	01	29	4238346	4061980	4238338	4061225	42							
3	0.3S DLMO	LAKEWOOD	2393	01	29	4238173	4055253	4239052	4055231	43							
4	0.2S GRNT	LAKEWOOD	2394	01	29	4238268	4052976	4239100	4052984	44							
5	0.3S DLMO	LAKEWOOD	2395	01	29	4236827	4054966	4237782	4054956	45							
6	0.2E DBSP	LAKEWOOD	2392	01	29	4241805	4052115	4241827	4051017	46							
7	0.2N MTYW	LNG BEACH	2446	01	12	4228065	4059480	4228816	4059462	47							
8	0.2S MRKT	LNG BEACH	2396	01	12	4231731	4058578	4232636	4058607	48							
9	1.0N DLMO	LNG BEACH	2432	01	12	4226633	4061673	4227528	4061134	49							
10	0.7N DLMO	LNG BEACH	2431	01	12	4225961	4060488	4226974	4060030	50							
11	0.5N DLMO	LNG BEACH	2430	01	12	4225499	4059171	4226625	4059022	51							
12	0.2N DLMO	LNG BEACH	2429	01	12	4225349	4057940	4226404	4057926	52							
13	0.3N DMGZ	LNG BEACH	2425	01	12	4225046	4055366	4226089	4055065	53							
14	0.2N CRSN	LNG BEACH	2424	01	12	4224384	4052529	4225419	4052302	54							
15	0.2E SNTF	LNG BEACH	2412	01	12	4223543	4050685	4223583	4051786	55							
16	0.2N DMGZ	LNG BEACH	2426	01	12	4223050	4055277	4223983	4054990	56							
17	0.3E WLMT	LA COUNTY	2442	01	02	4217741	4067000	4217803	4066006	57							
18	0.3E WLMT	LA COUNTY	2443	01	02	4219294	4066990	4219334	4066052	58							
19	0.3E WLMT	LA COUNTY	2438	01	02	4217964	4064974	4218010	4063950	59							
20	0.5E WLMT	LA COUNTY	2439	01	02	4219456	4065018	4219509	4064060	60							
21	1.7N DLMO	LA COUNTY	2419	01	02	4222061	4065345	4222703	4065429	61							
22	1.5N DLMO	LA COUNTY	2418	01	02	4222229	4064144	4223142	4064243	62							
23	1.2N DLMO	LA COUNTY	2417	01	02	4222002	4063072	4222917	4062952	63							
24	1.0N DLMO	LA COUNTY	2416	01	02	4221830	4062028	4222869	4061857	64							
25	0.6N DLMO	LA COUNTY	2415	01	02	4221382	4059954	4222460	4059733	65							
26	0.5N DLMO	LA COUNTY	2414	01	02	4221276	4058817	4222185	4058540	66							
27	0.2N DLMO	LA COUNTY	2413	01	02	4220863	4057783	4222045	4057414	67							
28	0.3E ALMD	LA COUNTY	2427	01	02	4222622	4057231	4222622	4056083	68							
29	0.2S ARTS	LA COUNTY	2435	01	02	4223030	4065474	4223652	4065558	69							

FILE NAME CS00061.002 REVISION 2
TIME OF ENTRY - 22:00:00 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 22:00:00    DATE OF LAST UPDATE  05-MAY-77    OPERATOR NAME  HNTS/ALLEN
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20296 LOWER LEFT = 797 UPPER LEFT = 813
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21235 LOWER RIGHT = 799 LOWER LEFT = 828 UPPER LEFT = 21283

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ELYSIAN	L ANGELES	1715	01	01	4211970	4138728	4214532	4138849	41	MISSION	L ANGELES	1738	04	1	4227181	4137405	4229303	4140675
2	ELYSIAN	L ANGELES	1715	02	01	4213966	4138782	4215508	4137979	42	BAUCHET	L ANGELES	1736	01	1	4217694	4133653	4218862	4134742
3	ELYSIAN	L ANGELES	1715	03	01	4215506	4137979	4216368	4139169	43	VIGNES	L ANGELES	1746	01	1	4217448	4134166	4217766	4133551
4	LILAC	L ANGELES	1718	01	01	4213460	4138287	4213858	4138317	44	VIGNES	L ANGELES	1746	02	1	4217766	4133553	4217686	4132942
5	LILAC	L ANGELES	1718	02	01	4213856	4138315	4215040	4137658	45	ALHAMBRA	L ANGELES	0175	02	1	4217140	4135359	4217506	4134958
6	LOOKOUT	L ANGELES	1717	01	01	4215012	4137670	4215260	4137277	46	ALHAMBRA	L ANGELES	0175	03	1	4217506	4134958	4222554	4135431
7	LOOKOUT	L ANGELES	1717	02	01	4215262	4137279	4215802	4137255	47	ALHAMBRA	L ANGELES	0175	04	1	4222746	4135555	4223498	4135788
8	STADIUM	L ANGELES	1716	01	01	4215798	4137255	4216578	4138839	48	BLOOM	L ANGELES	1745	01	1	4218842	4135070	4218108	4136153
9	STADIUM	L ANGELES	1716	02	01	4216568	4138849	4216266	4139298	49	GIBBONS	L ANGELES	1741	01	1	4219416	4132272	4219558	4132771
10	STADIUM	L ANGELES	1716	03	01	4213054	4138726	4215100	4136698	50	GIBBONS	L ANGELES	1741	02	1	4219572	4132781	4219414	4134545
11	STADIUM	L ANGELES	1716	04	01	4217322	4137431	4216632	4138359	51	GIBBONS	L ANGELES	1741	03	1	4219422	4134541	4220134	4136960
12	MARVIEW	L ANGELES	1719	01	01	4212290	4136664	4213226	4138183	52	LAMAR	L ANGELES	1743	01	1	4220070	4135160	4220598	4136800
13	FIGUEROA	L ANGELES	1720	01	01	4212966	4137846	4214230	4136956	53	MOULTON	L ANGELES	1742	01	1	4221234	4135311	4221644	4136433
14	FIGUEROA	L ANGELES	1720	02	01	4214228	4136970	4213768	4136012	54	MAIN	L ANGELES	0143	18	1	4215936	4133581	4217386	4135694
15	PASADENA	L ANGELES	1724	01	01	4211922	4134557	4212974	4135674	55	MAIN	L ANGELES	0143	19	1	4217386	4135688	4219744	4137069
16	PASADENA	L ANGELES	1724	02	01	4212978	4135686	4214356	4136179	56	MAIN	L ANGELES	0143	20	1	4219744	4137071	4221554	4136443
17	PASADENA	L ANGELES	1724	03	01	4214360	4136179	4216232	4137367	57	MAIN	L ANGELES	0143	21	1	4221556	4136447	4225442	4136383
18	PASADENA	L ANGELES	1724	04	01	4216230	4137363	4216878	4136947	58	SPRING	L ANGELES	1726	01	1	4215664	4133607	4216502	4135724
19	PASADENA	L ANGELES	1724	05	01	4216880	4138945	4220136	4142210	59	SPRING	L ANGELES	1726	02	1	4216508	4135722	4218564	4137401
20	PASADENA	L ANGELES	1724	06	01	4220144	4142226	4222028	4143469	60	SPRING	L ANGELES	1726	03	1	4218564	4137401	4222020	4139187
21	PASADENA	L ANGELES	1724	07	01	4222038	4143497	4224004	4143930	61	BROADWAY	L ANGELES	0144	1					

TIME OF ENTRY - 22:30:03 DATE OF LAST UPDATE 09-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 22:30:03  DATE OF LAST UPDATE  05-MAY-77  OPERATOR NAME  HATSPFIELD
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20296 LOWER LEFT = 797 UPPER LEFT = 813
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21235 LOWER RIGHT = 799 LOWER LEFT = 828 UPPER LEFT = 21283

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HUMBOLDT	L ANGELES	1753	01	01	4219808	4139749	4222272	4141777	41	EASTLAKE	L ANGELES	1756	03	1	4224954	4136018	4225346	4135812
2	HUMBOLDT	L ANGELES	1753	02	01	4222272	4141777	4222618	4142755	42	EASTLAKE	L ANGELES	1756	04	1	4225346	4135808	4226155	4134732
3	PASADENA	L ANGELES	1735	01	01	4220080	4138548	4220354	4139011	43	EASTLAKE	L ANGELES	1756	05	1	4226155	4134705	4226979	4134679
4	PASADENA	L ANGELES	1735	02	01	4220356	4139011	4222666	4140254	44	EASTLAKE	L ANGELES	1756	06	1	4226977	4134677	4227311	4134327
5	PASADENA	L ANGELES	1735	03	01	4222648	4140218	4223462	4143757	45	MANITOU	L ANGELES	1754	01	1	4221856	4138502	4222694	4138516
6	PARK ROW	L ANGELES	1734	01	01	4218028	4140121	4218536	4139406	46	MANITOU	L ANGELES	1754	02	1	4225791	4138570	4226619	4138590
7	PARK ROW	L ANGELES	1734	02	01	4218530	4139400	4218626	4138692	47	BALDWIN	L ANGELES	1757	01	1	4223050	4137915	4225859	4137937
8	PARK ROW	L ANGELES	1734	03	01	4218626	4138694	4219092	4138738	48	BALDWIN	L ANGELES	1757	02	1	4226601	4137999	4227721	4138047
9	PARK ROW	L ANGELES	1734	04	01	4219094	4138734	4219420	4139179	49	MARENGO	L ANGELES	1747	01	1	4222682	4136419	4222862	4134535
10	PARK ROW	L ANGELES	1734	05	01	4219420	4139175	4219100	4139903	50	MARENGO	L ANGELES	1747	02	1	4222862	4134533	4223472	4133902
11	PARK ROW	L ANGELES	1734	06	01	4218574	4139356	4218298	4138995	51	MARENGO	L ANGELES	1747	03	1	4223472	4133900	4226733	4132220
12	0.3N MACY	L ANGELES	3113	01	01	4220022	4133651	4218918	4133677	52	CUMMINGS	L ANGELES	1772	01	1	4224754	4132228	4225867	4134122
13	0.3S GLST	L ANGELES	3114	01	01	4221202	4133627	4221860	4132817	53	CHICAGO	L ANGELES	1773	01	1	4225665	4132244	4226443	4133874
14	GOLDEN	L ANGELES	1725	01	01	4223130	4132406	4222218	4137544	54	ZONAL	L ANGELES	1771	01	1	4226393	4133795	4223884	4135138
15	GOLDEN	L ANGELES	1725	02	01	4222210	4137546	4221448	4139025	55	BIGGY	L ANGELES	1770	01	1	4225186	4134431	4225841	4135090
16	GOLDEN	L ANGELES	1725	03	01	4221462	4138999	4221422	4140919	56	SOTO	L ANGELES	0086	05	1	4229299	4140695	4228619	4136525
17	GOLDEN	L ANGELES	1725	04	01	4221422	4140917	4220108	4142196	57	SOTO	L ANGELES	0086	06	1	4228621	4136523	4226215	4131701
18	AVE 23	L ANGELES	1752	01	01	4222080	4139839	4221412	4140987	58	VALLEY BD	L ANGELES	0237	04	1	4225428	4136329	4226363	4136307
19	LACY	L ANGELES	1751	01	01	4221208	4142134	4222102	4142932	59	VALLEY BD	L ANGELES	0237	05	1	4226363	4136309	4232017	4135084
20	AVE 26	L ANGELES	1748	01	01	4223842	4140212	4222632	4140218	60	VALLEY BD	L ANGELES	0237	06	1	4232019	4135086	4232935	4135465
21	AVE 26	L ANGELES	1748	02	01	4222632	4140214	4220810	4142685	61	VALLEY BD	L ANGELES	0						

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TIME OF ENTRY - 17:00:00 DATE OF LAST UPDATE 11-MAY-77 OPERATOR NAME -- HAYS/PHELPS

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TIME OF ENTRY - 17:00:00    DATE OF LAST UPDATE  11-MAY-77    OPERATOR NAME  HATS-STEEL-3
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20665 LOWER RIGHT = 20291 LOWER LEFT = 806 UPPER LEFT = 816
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21242 LOWER RIGHT = 795 LOWER LEFT = 824 UPPER LEFT = 21280

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	FLORA	L ANGELES	1762	01	01	4226406	4141675	4227180	4141705	41	HUNTINGTN	L ANGELES	1789	08	1	4240681	4147612	4240937	4148314
2	SIERRA	L ANGELES	1763	01	01	4226832	4141659	4227232	4142657	42	MONTEREY	L ANGELES	1787	01	1	4231041	4143565	4230945	4144636
3	SIERRA	L ANGELES	1763	02	01	4227220	4142653	4227362	4143702	43	MONTEREY	L ANGELES	1787	02	1	4230951	4144642	4230669	4144754
4	MERCURY	L ANGELES	1765	01	01	4227298	4143890	4229520	4143607	44	MONTEREY	L ANGELES	1787	03	1	4230671	4144754	4230921	4145492
5	MERCURY	L ANGELES	1765	02	01	4229524	4143611	4231071	4143609	45	MONTEREY	L ANGELES	1787	04	1	4230925	4145494	4230315	4146363
6	ROBERTA	L ANGELES	1764	01	01	4227629	4143888	4228399	4144167	46	MONTEREY	L ANGELES	1787	05	1	4230319	4146363	4230291	4147865
7	ROBERTA	L ANGELES	1764	02	01	4228263	4144203	4228649	4144044	47	MONTEREY	L ANGELES	1787	06	1	4230293	4147869	4232108	4150823
8	MONTECITO	L ANGELES	1783	01	01	4228167	4144070	4226992	4144560	48	MONTEREY	L ANGELES	1787	07	1	4232108	4150821	4231540	4151500
9	MONTECITO	L ANGELES	1783	02	01	4226986	4144564	4226446	4143680	49	HERMON	L ANGELES	1786	01	1	4230199	4150186	4231906	4150400
10	MONTECITO	L ANGELES	1783	03	01	4226442	4143684	4226480	4144692	50	KENDALL	L ANGELES	1788	01	1	4230627	4149572	4232016	4148999
11	MONTECITO	L ANGELES	1783	04	01	4226478	4144696	4227564	4144782	51	SINOVA	L ANGELES	1785	01	1	4229950	4145680	4230807	4145696
12	MONTECITO	L ANGELES	1783	05	01	4227542	4144808	4227206	4145155	52	0.2N BRDW	L ANGELES	3161	01	1	4226199	4140505	4227310	4140551
13	MONTECITO	L ANGELES	1783	06	01	4227214	4145159	4227605	4145431	53	0.3E AV26	L ANGELES	3149	01	1	4221736	4143742	4222244	4143038
14	MONTECITO	L ANGELES	1783	07	01	4227613	4145435	4227891	4145866	54	0.2E DALY	L ANGELES	3150	01	1	4224002	4144708	4224582	4144177
15	MONTECITO	L ANGELES	1783	10	01	4227843	4145936	4226940	4145818	55	0.4E DALY	L ANGELES	3151	01	1	4224886	4145566	4225375	4145016
16	MONTECITO	L ANGELES	1783	11	01	4226948	4145818	4226820	4147021	56	0.7W DALY	L ANGELES	3171	01	1	4225103	4146772	4225721	4146345
17	MONTECITO	L ANGELES	1783	12	01	4228049	4144768	4228363	4144932	57	0.9E DALY	L ANGELES	3152	01	1	4225547	4147999	4226290	4147203
18	MONTECITO	L ANGELES	1783	13	01	4228363	4144934	4228369	4145586	58	1.1E DALY	L ANGELES	3153	01	1	4227020	4148306	4226215	4149113
19	MONTECITO	L ANGELES	1783	14	01	4228303	4144153	4228067	4144786	59	0.2N GRFF	L ANGELES	3154	01	1	4226468	4148103	4227340	4148093
20	REYNOLDS	L ANGELES	1782	01	01	4228591	4143391	4228639	4144080	60	0.4N GRFF	L ANGELES	3155	01	1	4227723	4148658	4228101	4149356
21	BOUNDARY	L ANGELES	1784	01	01	4229514	4143579	4229518	4145355	61	1.5E DALY	L ANGELES	3156	01	1	4228289	4149412	4228217	4150300
22	RAYNOL	L ANGELES	1781	01	01	4229334	4142615	4228916	4142966	62	0.2W HRMN	L ANGELES	3157	01	1	4229524	4149083	4229504	4150109
23	RAYNOL	L ANGELES	1781	02	01	4228904	4142974	4227883	4142856	63	0.3N HRMN	L ANGELES	3158	01	1	4231329	4151100	4232030	4151797
24	AMETHYST	L ANGELES	1766	01	01	4227713	4140148	4227605	4141074	64	0.6S HRMN	L ANGELES	3159	01	1	4229922	4148376	4230905	4147750
25	AMETHYST	L ANGELES	1766	02	01	4227595	4141074	4228653	4142792	65	0.8S HRMN	L ANGELES	3160	01	1	4229830	4146602	4230883	4146638
26	AMETHYST	L ANGELES	1766	03	01	4228655	4142786	4229866	4143343	66	0.3N DRUD	L ANGELES	3162	01	1	4228623	4139248	4229580	4139112
27	AMETHYST	L ANGELES	1766	04	01	4229828	4143361	4230046	4143640	67	HUNTINGTN	L ANGELES	1790	01	1	4229256	4140693	4231474	4143371
28	GALENA	L ANGELES	1780	01	01	4228938	4142515	4229294	4142665	68	HUNTINGTN	L ANGELES	1790	02	1	4231476	4143379	4232730	4143535
29	ESMERALDO	L ANGELES	1779	01	01	4228960	4142517	4229730	4142044	69	EDLOFT	L ANGELES	1791	01	1	4231413	4143381	4232178	4142774
30	AMETHYST	L ANGELES	1778	01	01	4227815	4141176	4228413	4141018	70	EDLOFT	L ANGELES	1791	02	1	4232158	4142804	4232146	4142243
31	FOREST PK	L ANGELES	1777	01	01	4228409	4141020	4228487	4141665	71	BOWMAN	L ANGELES	1792	01	1	4230875	4139968	4230853	4140966
32	RADIUM	L ANGELES	1776	01	01	4228457	4141671	4229336	4141102	72	BOWMAN	L ANGELES	1792	02	1	4230857	4140980	4231582	4142138
33	COMMODORE	L ANGELES	1775	01	01	4228091	4141804	4228769	4139940	73	BOWMAN	L ANGELES	1792	03	1	4231566	4142138	4232132	4142218
34	HUNTINGTN	L ANGELES	1789	01	01	4229282	4140695	4229378	4141581	74									
35	HUNTINGTN	L ANGELES	1789	02	01	4229364	4141581	4230853	4143441	75									
36	HUNTINGTN	L ANGELES	1789	03	01	4230851	4143441	4231678	4143796	76									
37	HUNTINGTN	L ANGELES	1789	04	01	4231676	4143796	4233475	4143565	77									
38	HUNTINGTN	L ANGELES	1789	05	01	4233469	4143561	4236227	4144906	78									
39	HUNTINGTN	L ANGELES	1789	06	01	4236227	4144906	4237804	4145183	79									
40	HUNTINGTN	L ANGELES	1789	07	01	4237790	4145181	4240679	4147612	80									

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

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FILE NAME CS0064.001 REVISION 1

TIME OF ENTRY - 17:30:00 DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4153000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST SEG	CY	STARTX	STARTY	ENDX	ENDY	
1 KEWANEE	L ANGELES	1794	01	01	4230217	4140722	4231017	4142298	41 EASTERN	L ANGELES	0057	16	1	4233349	4139902	4233989	4140676
2 JASPER	L ANGELES	1795	01	01	4231137	4141425	4230943	4142867	42 EASTERN	L ANGELES	0057	17	1	4233989	4140710	4233981	4143707
3 TEMPLETON	L ANGELES	1793	01	01	4232396	4142037	4233155	4142221	43 FITHIAN	L ANGELES	1816	01	1	4233639	4140259	4233279	4140958
4 TEMPLETON	L ANGELES	1793	02	01	4233155	4142221	4234894	4142283	44 LOMBARDY	L ANGELES	1811	01	1	4233961	4140666	4234422	4140226
5 TEMPLETON	L ANGELES	1793	03	01	4234894	4142261	4235949	4142686	45 LOMBARDY	L ANGELES	1811	02	1	4234172	4140241	4235124	4140236
6 TEMPLETON	L ANGELES	1793	04	01	4235947	4142690	4236343	4143224	46 LOMBARDY	L ANGELES	1811	03	1	4235118	4140236	4235383	4139551
7 TEMPLETON	L ANGELES	1793	05	01	4236343	4143226	4236740	4143282	47 LOMBARDY	L ANGELES	1811	04	1	4235383	4139555	4235703	4139134
8 MINTO	L ANGELES	1798	01	01	4232817	4142887	4232847	4143611	48 DARTMOUTH	L ANGELES	1812	01	1	4233989	4138159	4234636	4138871
9 TWINING	L ANGELES	1797	01	01	4232793	4142897	4234001	4142725	49 DARTMOUTH	L ANGELES	1812	02	1	4234646	4138877	4235375	4139551
0 TWINING	L ANGELES	1797	02	01	4233993	4142719	4235168	4143258	50 CALANDRIA	L ANGELES	1813	01	1	4234011	4138500	4234174	4139320
1 NAVARRO	L ANGELES	1799	01	01	4233947	4143358	4235372	4144128	51 CALANDRIA	L ANGELES	1813	02	1	4234174	4139322	4235288	4140122
2 NAVARRO	L ANGELES	1799	02	01	4235375	4144130	4236798	4144164	52 NORELLE	L ANGELES	1814	01	1	4232100	4138649	4232496	4138538
3 NAVARRO	L ANGELES	1799	03	01	4236800	4144162	4238443	4144481	53 NORELLE	L ANGELES	1814	02	1	4232498	4138538	4232931	4138887
4 PUEBLO	L ANGELES	1810	01	01	4235152	4141872	4235150	4143911	54 NORELLE	L ANGELES	1814	03	1	4232923	4138871	4233357	4138847
5 PUEBLO	L ANGELES	1810	02	01	4235146	4143909	4234962	4144296	55 KLAMATH	L ANGELES	1815	01	1	4231984	4139912	4234005	4139914
6 FAINSWRTH	L ANGELES	1801	01	01	4237152	4143980	4237796	4143226	56 DRUID	L ANGELES	1817	01	1	4228749	4137452	4230331	4137628
7 FAINSWRTH	L ANGELES	1801	02	01	4237798	4143226	4237496	4141838	57 DRUID	L ANGELES	1817	02	1	4230329	4137628	4231684	4138226
8 WARWICK	L ANGELES	1802	01	01	4236754	4144196	4236798	4143105	58 DRUID	L ANGELES	1817	03	1	4231686	4138224	4232560	4137672
9 WARWICK	L ANGELES	1802	02	01	4236806	4143105	4237466	4141881	59 DRUID	L ANGELES	1817	04	1	4232562	4137670	4234436	4137620
0 WARWICK	L ANGELES	1802	03	01	4237466	4141874	4237514	4140902	60 YELLOWSTN	L ANGELES	1818	01	1	4230313	4137660	4230459	4137213
1 ALLAN	L ANGELES	1803	01	01	4237484	4141844	4239390	4141858	61 YELLOWSTN	L ANGELES	1818	02	1	4230457	4137207	4230985	4136529
2 LIFUR	L ANGELES	1800	01	01	4237176	4143288	4237164	4144228	62 YELLOWSTN	L ANGELES	1818	03	1	4230993	4136525	4232330	4136578
3 LIFUR	L ANGELES	1800	02	01	4237164	4144226	4237384	4145134	63 HATFIELD	L ANGELES	1820	01	1	4228841	4136716	4230130	4136596
4 COMMNLTH	L ANGELES	1277	02	01	4238073	4143757	4240238	4143779	64 HATFIELD	L ANGELES	1820	02	1	4230136	4136598	4230465	4137193
5 POPLAR	L ANGELES	1805	01	01	4237930	4145353	4238935	4144739	65 RONDA	L ANGELES	1821	01	1	4232044	4136034	4232008	4136598
6 0.2E PBLO	L ANGELES	3170	01	01	4235511	4145171	4235929	4144343	66 DEL PASO	L ANGELES	1822	01	1	4232144	4135106	4232080	4135699
7 0.2W WSMT	L ANGELES	3172	01	01	4238507	4146480	4239147	4145503	67 DEL PASO	L ANGELES	1822	02	1	4232080	4135701	4232480	4135898
8 STKBRIDGE	L ANGELES	1824	05	01	4238447	4141127	4238413	4145060	68 CYRIL	L ANGELES	1819	01	1	4233231	4136126	4232574	4136782
9 ALHAMBRA	L ANGELES	0175	05	01	4234428	4137524	4234516	4137949	69 CYRIL	L ANGELES	1819	02	1	4232566	4136778	4232428	4137770
0 ALHAMBRA	L ANGELES	0175	06	01	4234516	4137943	4237638	4140996	70 MEDFORD	L ANGELES	1852	01	1	4228089	4135603	4230142	4134501
1 ALHAMBRA	L ANGELES	0175	07	01	4237642	4140998	4238727	4141177	71 MEDFORD	L ANGELES	1852	02	1	4230138	4134501	4231900	4134069
2 ALHAMBRA	L ANGELES	0175	08	01	4238727	4141177	4239219	4140950	72 MEDFORD	L ANGELES	1852	03	1	4231906	4134071	4234017	4134745
3 HAVEN	L ANGELES	1808	01	01	4236549	4139988	4236289	4140339	73 ALCAZAR	L ANGELES	1858	01	1	4228555	4134761	4229624	4134234
4 HAVEN	L ANGELES	1808	02	01	4236295	4140345	4236361	4141756	74 TREMONT	L ANGELES	1855	01	1	4227969	4133592	4228876	4135242
5 CHESTER	L ANGELES	1806	01	01	4235557	4141201	4236031	4140966	75								
6 CHESTER	L ANGELES	1806	02	01	4236029	4140966	4237232	4141000	76								
7 BUDAU	L ANGELES	1807	01	01	4234960	4140527	4236651	4142408	77								
8 BUDAU	L ANGELES	1807	02	01	4236649	4142404	4236629	4142867	78								
9 LYNNFIELD	L ANGELES	1809	01	01	4233973	4141610	4235655	4141455	79								
0 EASTERN	L ANGELES	0057	15	01	4233309	4136319	4233349	4139902	80								

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TIME OF ENTRY - 17:45:04 DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
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CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WHITESIDE	L ANGELES	1854	01	01	4227324	4134007	4229008	4133135	41	LANSDOWNE	L ANGELES	1832	04	1	4235381	4136271	4235939	4136898
2	WHITESIDE	L ANGELES	1854	02	01	4229570	4132663	4231834	4132971	42	CAVANAUGH	L ANGELES	1831	01	1	4234756	4137440	4236355	4137612
3	WHITESIDE	L ANGELES	1854	03	01	4231830	4132971	4234998	4134729	43	SHAW	L ANGELES	1833	01	1	4235853	4137388	4236365	4137576
4	CHELSEA	L ANGELES	1856	01	01	4226850	4133105	4227350	4132814	44	PARNETT	L ANGELES	1834	01	1	4236307	4136886	4235891	4137396
5	MURCHISON	L ANGELES	1857	01	01	4227352	4132816	4228001	4132897	45	OSULLIVAN	L ANGELES	1835	01	1	4234061	4135916	4234998	4136963
6	MURCHISON	L ANGELES	1857	02	01	4227997	4132893	4228329	4133498	46	OSULLIVAN	L ANGELES	1835	02	1	4235000	4136963	4235985	4137273
7	PERRIS	L ANGELES	1859	01	01	4229232	4134408	4229528	4134998	47	LEVANDA	L ANGELES	1837	01	1	4236724	4138957	4236998	4138562
8	EVERGREEN	L ANGELES	0083	03	01	4228984	4133111	4229222	4133506	48	LEVANDA	L ANGELES	1837	02	1	4236996	4138560	4236978	4137722
9	EVERGREEN	L ANGELES	0083	04	01	4229218	4133502	4229132	4133825	49	BARNETT	L ANGELES	1841	01	1	4235098	4136650	4235368	4136243
10	EVERGREEN	L ANGELES	0083	05	01	4229134	4133823	4229444	4134350	50	0.6N BDFD	L ANGELES	3165	01	1	4234572	4137598	4235154	4137209
11	FOWLER	L ANGELES	1853	01	01	4229564	4132891	4231536	4134154	51	0.7W WSMT	L ANGELES	3166	01	1	4235637	4138877	4236137	4138324
12	ADKINSON	L ANGELES	1861	01	01	4231087	4132871	4230813	4133709	52	0.4W WSMT	L ANGELES	3167	01	1	4236824	4139805	4237342	4139138
13	DITMAN	L ANGELES	1860	01	01	4230639	4133532	4230613	4134364	53	0.3N BDFD	L ANGELES	3163	01	1	4233639	4136602	4234256	4136223
14	DUNN	L ANGELES	1862	01	01	4231696	4132903	4231506	4133785	54	0.3S MRNN	L ANGELES	3164	01	1	4234374	4136700	4235008	4136309
15	BONNIE BH	L ANGELES	1863	01	01	4232777	4133278	4231988	4134901	55	LB FWY	ALHAMBRA	0125	28	9	4237956	4135138	4239292	4139739
16	MILLER	L ANGELES	1864	01	01	4233721	4134033	4233077	4135096	56	WINTHROP	ALHAMBRA	1829	01	9	4239732	4135824	4239480	4136606
17	0.3W INDN	L ANGELES	3120	01	01	4228157	4132131	4228101	4132959	57	WINTHROP	ALHAMBRA	1829	02	9	4239434	4136493	4239906	4137754
18	0.2S SNBR	L ANGELES	3121	01	01	4229162	4131425	4230066	4131437	58	WMINISTER	ALHAMBRA	1826	01	9	4240593	4145054	4240641	4143009
19	0.3E INDN	L ANGELES	3122	01	01	4231291	4132209	4231319	4133221	59	WMINISTER	ALHAMBRA	1826	02	9	4240715	4143128	4240763	4141044
20	0.5W EAST	L ANGELES	3123	01	01	4233277	4132840	4232764	4133815	60	WMINISTER	ALHAMBRA	1826	04	9	4240867	4141143	4240020	4140243
21	0.2W EAST	L ANGELES	3124	01	01	4234728	4133681	4234242	4134515	61	WMINISTER	ALHAMBRA	1826	03	9	4240396	4137758	4240410	4136281
22	0.2S SNBR	L ANGELES	3125	01	01	4235288	4133243	4236349	4133556	62	MERIDIAN	ALHAMBRA	1823	01	9	4241207	4147123	4241303	4141155
23	0.6S SNBR	L ANGELES	3126	01	01	4234998	4132187	4236045	4132065	63	MERIDIAN	ALHAMBRA	1823	02	9	4241273	4140928	4241321	4140319
24	0.8S SNBR	L ANGELES	3127	01	01	4234230	4130958	4235124	4130242	64	MERIDIAN	ALHAMBRA	1823	03	9	4241355	4139950	4241367	4138657
25	0.2N FL SM	L ANGELES	3128	01	01	4236862	4130215	4237546	4129651	65	MERIDIAN	ALHAMBRA	1823	04	9	4241355	4138637	4241195	4138476
26	0.5N FL SM	L ANGELES	3129	01	01	4237600	4131359	4238431	4130896	66	MERIDIAN	ALHAMBRA	1823	05	9	4241195	4138506	4241399	4138276
27	0.4S SNBR	L ANGELES	3130	01	01	4237582	4132678	4238877	4132650	67	MERIDIAN	ALHAMBRA	1823	06	9	4241401	4138280	4241097	4137732
28	0.1S SNBR	L ANGELES	3131	01	01	4237472	4134063	4238707	4134104	68	MERIDIAN	ALHAMBRA	1823	07	9	4241103	4137738	4241163	4136722
29	0.3S HL MN	L ANGELES	3168	01	01	4237944	4136658	4238891	4136423	69	WESTMONT	ALHAMBRA	1827	01	9	4239462	4137714	4239450	4140728
30	CAMPUS	L ANGELES	1842	01	01	4236651	4136886	4235849	4135884	70	WESTMONT	ALHAMBRA	1827	02	9	4239664	4142131	4239610	4146770
31	CAMPUS	L ANGELES	1842	02	01	4235849	4135886	4236031	4135068	71	MIDWICK	ALHAMBRA	1844	01	9	4239440	4138294	4241021	4138306
32	CIRCLE	L ANGELES	1840	01	01	4235889	4135515	4237582	4135413	72	MIDWICK	ALHAMBRA	1844	02	9	4241025	4138302	4241211	4138492
33	CIRCLE	L ANGELES	1840	02	01	4237572	4135423	4237926	4137143	73	GLENHAVEN	ALHAMBRA	1845	01	9	4239432	4138588	4240845	4138737
34	CIRCLE	L ANGELES	1840	03	01	4237928	4137143	4237058	4137636	74	PARKVIEW	ALHAMBRA	1846	01	9	4240322	4139024	4240763	4138737
35	CIRCLE	L ANGELES	1840	04	01	4237056	4137636	4236766	4137510	75									
36	BOHLIG	L ANGELES	1830	01	01	4236461	4138250	4237000	4138578	76									
37	BOHLIG	L ANGELES	1830	02	01	4236988	4138570	4238787	4138546	77									
38	LANSDOWNE	L ANGELES	1832	01	01	4236317	4137576	4236615	4138314	78									
39	LANSDOWNE	L ANGELES	1832	02	01	4234554	4135096	4235248	4135475	79									
40	LANSDOWNE	L ANGELES	1832	03	01	4235264	4135475	4235381	4136273	80									

TIME OF ENTRY - 18:30:03 : DATE OF LAST UPDATE 12-MAY-77 : OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 18:30:03   DATE OF LAST UPDATE 12-MAY-77   OPERATOR NAME  HANS-ARNDT
MAP X-COORDINATE DATA - UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4153000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20668 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	RAMONA	ALHAMBRA	1843	01	09	4241978	4137706	4241193	4138470	41	0.1S 3RD	ALHAMBRA	3100	01	9	4235855	4124191	4237012	4124175
2	GLENDON	ALHAMBRA	1851	01	09	4241341	4139240	4241968	4139232	42	0.2E MCDN	ALHAMBRA	3101	01	9	4238579	4125011	4238607	4124103
3	CABRILLO	ALHAMBRA	1847	01	09	4239442	4138837	4240220	4139529	43	0.4E MCDN	LA COUNTY	3102	01	2	4239834	4125035	4239878	4123971
4	CABRILLO	ALHAMBRA	1847	02	09	4240218	4139527	4239998	4140263	44	0.4N WHTT	LA COUNTY	3090	01	2	4234880	4123243	4236331	4123277
5	TERRACE	ALHAMBRA	1848	01	09	4240194	4139549	4240737	4139587	45	0.3N WHTT	LA COUNTY	3089	01	2	4235334	4122417	4236227	4122471
6	PYRENEES	ALHAMBRA	1850	01	09	4240731	4139579	4240715	4139922	46	0.2N WHTT	LA COUNTY	3088	01	2	4234844	4121818	4235601	4121862
7	NORWOOD	ALHAMBRA	1849	01	09	4240717	4139918	4241007	4140128	47	0.5E INDN	LA COUNTY	3079	01	2	4232468	4117651	4232424	4120071
8	NORWOOD	ALHAMBRA	1849	02	09	4241033	4140136	4241369	4139926	48	0.2E INDN	LA COUNTY	3078	01	2	4230699	4117890	4230691	4120384
9	CONCORD	ALHAMBRA	1828	01	09	4238681	4141221	4241902	4144170	49	0.3S PMNA	MNTEBELLO	3103	01	3	4245716	4123065	4246577	4123055
10	COMMUNWLT	ALHAMBRA	1277	03	09	4240206	4143769	4240921	4144304	50	0.2S PMNA	MNTEBELLO	3104	01	3	4248455	4123327	4249361	4123758
11	COMMUNWLT	ALHAMBRA	1277	04	09	4240919	4144296	4241932	4144355	51	0.3S PMNA	MNTEBELLO	3105	01	3	4248539	4122852	4249509	4122449
12	POPLAR	ALHAMBRA	1805	02	09	4238909	4144733	4240190	4144721	52	0.2S CRNA	MNTEBELLO	3106	01	3	4247952	4119676	4247552	4119083
13	POPLAR	ALHAMBRA	1805	03	09	4240176	4144721	4241309	4145596	53	0.4S CRNA	MNTEBELLO	3107	01	3	4248250	4118588	4249237	4118347
14	POPLAR	ALHAMBRA	1805	04	09	4241313	4145594	4241920	4145596	54	0.3W GRFD	MNTEBELLO	3087	01	3	4246617	4115197	4246695	4116102
15	STKBRIDGE	ALHAMBRA	1824	01	09	4239604	4145247	4240010	4145391	55	0.2W TRGG	COMMERCE	3082	01	8	4237844	4117880	4237362	4117070
16	STKBRIDGE	ALHAMBRA	1824	02	09	4240012	4145393	4240164	4145848	56	0.3W TRGG	COMMERCE	3083	01	8	4238731	4117413	4238151	4116330
17	STKBRIDGE	ALHAMBRA	1824	03	09	4240166	4145848	4240372	4145473	57	0.1N ATLT	COMMERCE	3084	01	8	4239712	4116302	4239179	4115795
18	STKBRIDGE	ALHAMBRA	1824	04	09	4240370	4145475	4241241	4146442	58	0.3S ATLT	COMMERCE	3085	01	8	4241201	4115049	4240478	4114379
19	HAMPDEN	ALHAMBRA	1825	01	09	4239586	4146047	4239880	4145902	59	0.6S ATLT	COMMERCE	3086	01	8	4241771	4113108	4242566	4113840
20	HAMPDEN	ALHAMBRA	1825	02	09	4239868	4145892	4240482	4146576	60	0.2S TRGG	COMMERCE	3080	01	8	4235124	4116553	4236181	4116583
21	HAMPDEN	ALHAMBRA	1825	03	09	4240482	4146570	4240546	4147133	61	0.4S TRGG	COMMERCE	3081	01	8	4236259	4115246	4235134	4115217
22	SM FWY	ALHAMBRA	0124	22	09	4240526	4147105	4241912	4147121	62	1.7W LGBH	COMMERCE	3054	01	8	4227703	4117433	4226524	4114588
23	FREEMONT	ALHAMBRA	0011	03	09	4241853	4147127	4241964	4137213	63	1.4W LGBH	COMMERCE	3055	01	8	4227775	4114175	4228978	4117086
24	0.2S CNCD	ALHAMBRA	3169	01	09	4241427	4142941	4242512	4142945	64	1.1W LGBH	COMMERCE	3056	01	8	4230319	4116882	4228841	4113527
25	0.3E FRMT	ALHAMBRA	3134	01	09	4243929	4137999	4244023	4138737	65	0.9W LGBH	COMMERCE	3057	01	8	4229964	4113114	4231319	4116430
26	0.3W ATLT	ALHAMBRA	3135	01	09	4245666	4138991	4245596	4138055	66	0.7W LGBH	COMMERCE	3058	01	8	4231097	4112703	4232466	4115983
27	0.7E FRMT	ALHAMBRA	3136	01	09	4245156	4138206	4245132	4137195	67	0.4W LGBH	COMMERCE	3059	01	8	4233475	4115382	4232186	4112523
28	0.2W FRMT	ALHAMBRA	3133	01	09	4242572	4134176	4243245	4135308	68	0.2W LGBH	COMMERCE	3060	01	8	4233595	4112713	4234586	4115089
29	0.2W GRVY	ALHAMBRA	3132	01	09	4240504	4135531	4240476	4134438	69	0.2W DWNY	VERNON	3077	01	7	4224670	4114893	4224726	4112445
30	0.2S FRMT	ALHAMBRA	3137	01	09	4242854	4133270	4243707	4132265	70	0.6E SOTO	VERNON	3071	01	7	4224526	4114953	4224548	4116204
31	0.4S FRMT	ALHAMBRA	3138	01	09	4242668	4131261	4241697	4132361	71	0.3E SOTO	VERNON	3070	01	7	4222893	4112050	4222671	4118882
32	0.6S FRMT	ALHAMBRA	3139	01	09	4240665	4130427	4240360	4131670	72	0.2N 37TH	VERNON	3064	01	7	4220971	4116521	4221828	4116513
33	1.1S FRMT	ALHAMBRA	3140	01	09	4239920	4129971	4238965	4130677	73	0.2W SOTO	VERNON	3063	01	7	4220047	4116248	4220123	4113722
34	0.2E MDNK	ALHAMBRA	3141	01	09	4240100	4129458	4240168	4128488	74	0.2W SNTF	VERNON	3062	01	7	4216838	4112395	4216836	4119951
35	0.4E MDNK	ALHAMBRA	3142	01	09	4241399	4129416	4241451	4128450	75									
36	0.7E MDNK	ALHAMBRA	3143	01	09	4242712	4129079	4242374	4128141	76									
37	0.9E MDNK	ALHAMBRA	3144	01	09	4243931	4128648	4243417	4127728	77									
38	0.3N RGGN	ALHAMBRA	3145	01	09	4244451	4127225	4244938	4126529	78									
39	0.2W ATLT	ALHAMBRA	3146	01	09	4242988	4127096	4242530	4126359	79									
40	0.3W ATLT	ALHAMBRA	3147	01	09	4242248	4127582	4241737	4126772	80									

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REVISION 2

DATE OF LAST UPDATE 12-MAY-77

OPERATOR NAME - HAYS/PHELPS

MOR X-COORDINATE DATA = UPPER RIGHT = 4250000 LOWER RIGHT = 4250000 LOWER LEFT = 4211000 UPPER LEFT = 4211000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4153000 LOWER RIGHT = 4112000 LOWER LEFT = 4112000 UPPER LEFT = 4153000

CURSOR X-COORDINATE DATA = UPPER RIGHT = 20658 LOWER RIGHT = 20301 LOWER LEFT = 816 UPPER LEFT = 819

CURSOR X-COORDINATE DATA - UPPER RIGHT = 26635 LOWER RIGHT = 26635 LOWER LEFT = 825 UPPER LEFT = 21275
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21240 LOWER RIGHT = 802 LOWER LEFT = 825 UPPER LEFT = 21275

STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
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0.3W	ALMD	L	ANGELES	3061	01	01	4213672	4113040	4213612	4115847	41
0.2S	24TH	L	ANGELES	3067	01	01	4213071	4116916	4212283	4117178	42
0.2S	WSMT	L	ANGELES	3066	01	01	4213269	4118929	4212393	4119516	43
0.3E	ALMD	L	ANGELES	3068	01	01	4216618	4120039	4217114	4121092	44
0.3W	SOTO	L	ANGELES	3065	01	01	4219534	4119235	4219582	4118375	45
0.3E	SNTF	L	ANGELES	3069	01	01	4219919	4121286	4219975	4122237	46
0.3E	SOTO	L	ANGELES	3072	01	01	4222561	4119931	4222763	4120430	47
0.3E	SOTO	L	ANGELES	3073	01	01	4222509	4120414	4222741	4120933	48
0.3E	SOTO	L	ANGELES	3074	01	01	4222557	4120801	4222815	4121370	49
0.3E	SOTO	L	ANGELES	3075	01	01	4222561	4121577	4222901	4122251	50
0.6E	SOTO	L	ANGELES	3076	01	01	4223726	4119728	4223984	4120246	51
0.3W	SNTF	L	ANGELES	3091	01	01	4220231	4122636	4219754	4123554	52
0.4W	SNTF	L	ANGELES	3092	01	01	4221041	4122640	4220073	4123812	53
0.2S	WHTT	L	ANGELES	3093	01	01	4221326	4124298	4220397	4124745	54
0.1S	WHTT	L	ANGELES	3094	01	01	4221700	4124931	4220949	4125218	55
0.1E	SOTO	L	ANGELES	3095	01	01	4221994	4122682	4222429	4123686	56
0.1W	SOTO	L	ANGELES	3096	01	01	4220965	4121459	4221136	4123371	57
0.3E	SOTO	L	ANGELES	3097	01	01	4223201	4122620	4223647	4123480	58
0.4E	SOTO	L	ANGELES	3098	01	01	4223760	4122207	4224120	4122998	59
0.2W	LORN	L	ANGELES	3099	01	01	4228549	4122962	4228487	4123824	60
0.2W	EVGR	L	ANGELES	3119	01	01	4227260	4125623	4228471	4128021	61
0.1E	STTE	L	ANGELES	3118	01	01	4221832	4127636	4222379	4128478	62
0.1S	SNBR	L	ANGELES	3117	01	01	4222340	4131892	4223669	4131964	63
0.2W	GLST	L	ANGELES	3116	01	01	4221958	4131553	4221388	4130507	64
0.3N	MACY	L	ANGELES	3115	01	01	4221908	4131992	4221520	4132738	65
0.3W	SNTA	L	ANGELES	3108	01	01	4219382	4125785	4219718	4126689	66
0.3W	SNTA	L	ANGELES	3109	01	01	4219260	4127183	4219010	4127979	67
0.4W	SNTA	L	ANGELES	3110	01	01	4218333	4129246	4218520	4130523	68
0.2E	ALMD	L	ANGELES	3111	01	01	4216854	4131395	4216948	4132427	69
0.6E	ALMD	L	ANGELES	3112	01	01	4218624	4131002	4218784	4132151	70
0.3W	SNTA	L	ANGELES	3148	01	01	4219879	4130244	4219700	4128965	71

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TIME OF ENTRY - 21:30:00 DATE OF LAST UPDATE 13-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 21:30:00    DATE OF LAST UPDATE - 15-MAY-77    OPERATOR NAME - HIRSHFELD, J
MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4090000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4090000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20477 LOWER RIGHT = 20637 LOWER LEFT = 1634 UPPER LEFT = 1461
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13126 LOWER RIGHT = 1133 LOWER LEFT = 959 UPPER LEFT = 12904

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	0.2W MAIN	LA COUNTY	2578	01	02	4205283	4070338	4205275	4069273	41	120TH	HAWTHORNE	0503	04	4	4176083	4084605	4183554	4084715
2	0.4W MAIN	LA COUNTY	2579	01	02	4206551	4070502	4206595	4069443	42	120TH	HAWTHORNE	0503	05	4	4183548	4084715	4191961	4084812
3	0.2E AVLN	LA COUNTY	2580	01	02	4206605	4069038	4206629	4068356	43	124TH	HAWTHORNE	0710	02	4	4173828	4083387	4175617	4083363
4	0.3N CMPT	LA COUNTY	2581	01	02	4207083	4075951	4208000	4075975	44	124TH	HAWTHORNE	0710	03	4	4175441	4083202	4176957	4083295
5	0.3E MAIN	LA COUNTY	2582	01	02	4205607	4074352	4205659	4073538	45	LSEGUENDO	HAWTHORNE	0502	05	4	4173830	4081971	4183588	4082073
6	0.2N ALND	LA COUNTY	2583	01	02	4207924	4072566	4208970	4072592	46	LSEGUENDO	HAWTHORNE	0502	06	4	4183586	4082073	4194120	4082204
7	0.2S CMPT	LA COUNTY	2584	01	02	4210038	4073691	4211014	4073735	47	132ND	HAWTHORNE	0541	08	4	4175547	4080673	4178357	4080753
8	0.4S CMPT	LA COUNTY	2585	01	02	4210116	4072672	4211068	4072672	48	132ND	HAWTHORNE	0541	09	4	4178299	4080599	4180961	4080651
9	0.2S 135	L ANGELES	2586	01	01	4200818	4078411	4201431	4078402	49	132ND	HAWTHORNE	0541	10	4	4180947	4080818	4183634	4080864
10	0.3N RSCR	LA COUNTY	2587	01	02	4201675	4078364	4202545	4078394	50	132ND	HAWTHORNE	0541	11	4	4183582	4080773	4186238	4080771
11	0.2N 135	L ANGELES	2588	01	01	4200708	4080635	4201265	4090685	51	132ND	HAWTHORNE	0541	12	4	4186188	4080601	4188873	4080641
12	0.2W WSTR	GARDENA	2577	01	27	4195840	4073128	4196226	4072351	52	132ND	HAWTHORNE	0541	13	4	4189077	4080751	4194178	4080818
13	0.2W YUKN	LA COUNTY	2576	01	02	4180752	4069809	4187471	4068917	53	135TH	HAWTHORNE	0501	04	4	4194170	4079552	4183612	4079407
14		LA COUNTY	9430	01	02	4190349	4077201	4190385	4076293	54	135TH	HAWTHORNE	0501	05	4	4183638	4079606	4181031	4079596
15	0.2W WSTR	HAWTHORNE	2592	01	34	4192861	4079917	4192845	4079198	55	135TH	HAWTHORNE	0501	06	4	4180935	4079656	4178355	4079610
16	0.2W WSTR	LA COUNTY	2591	01	02	4192921	4078579	4192931	4077870	56	135TH	HAWTHORNE	0501	07	4	4178361	4079459	4173918	4079359
17	0.2E WSTR	L ANGELES	2590	01	01	4195250	4078579	4195272	4077928	57	137TH	HAWTHORNE	0543	10	4	4175553	4078802	4178383	4078816
18	0.2E WSTR	L ANGELES	2589	01	01	4195160	4080012	4195182	4079264	58	137TH	HAWTHORNE	0543	11	4	4178349	4078917	4180989	4078951
19	0.3E CRSH	HAWTHORNE	2601	01	34	4190271	4085174	4190271	4084514	59	137TH	HAWTHORNE	0543	12	4	4180983	4078756	4183712	4078796
20	0.3E CRSH	HAWTHORNE	2602	01	34	4190251	4082568	4190251	4081840	60	139TH	HAWTHORNE	0544	08	4	4173890	4077828	4175399	4077824
21	0.2S 120	HAWTHORNE	2603	01	34	4191023	4083590	4191839	4083604	61	139TH	HAWTHORNE	0544	09	4	4175643	4077872	4178411	4077898
22	0.5W CRSH	HAWTHORNE	2573	01	34	4186164	4085218	4186172	4084408	62	139TH	HAWTHORNE	0544	10	4	4178339	4077651	4180971	4077719
23	0.3W CRSH	HAWTHORNE	2574	01	34	4187080	4085194	4187112	4084310	63	139TH	HAWTHORNE	0544	11	4	4181015	4077964	4183658	4077991
24	0.2W CRSH	HAWTHORNE	2575	01	34	4188015	4085236	4188017	4084430	64	139TH	HAWTHORNE	0544	12	4	4183600	4078097	4188871	4078163
25	0.2S IMPR	HAWTHORNE	2604	01	34	4193679	4086136	4194509	4086134	65	139TH	HAWTHORNE	0544	13	4	4189641	4078189	4194176	4078236
26	0.2S IMPR	L ANGELES	2605	01	01	4196342	4086202	4197336	4086220	66	ROSECRANS	HAWTHORNE	0500	17	4	4173938	4076648	4183672	4076785
27	0.2S IMPR	L ANGELES	2606	01	01	4197652	4086335	4198336	4086321	67	ROSECRANS	HAWTHORNE	0500	18	4	4183672	4076781	4194210	4076924
28	0.2N 110	L ANGELES	2611	01	01	4197282	4090271	4198294	4090261	68									
29	0.2N RSCR	HAWTHORNE	2594	01	34	4175153	4077912	4175847	4077948	69									
30	0.3N 135	HAWTHORNE	2595	01	34	4175151	4080769	4175785	4080767	70									
31	0.2N ELSG	HAWTHORNE	2596	01	34	4175477	4083192	4176223	4083229	71									
32	0.3S IMPR	HAWTHORNE	2597	01	34	4175809	4085822	4176529	4085835	72									
33	118TH	HAWTHORNE	0537	08	34	4173806	4085901	4175911	4085961	73									
34	118TH	HAWTHORNE	0537	07	34	4176283	4085919	4183516	4086025	74									
35	118TH	HAWTHORNE	0537	09	34	4183514	4085893	4186830	4085983	75									
36	118TH	HAWTHORNE	0537	10	34	4187114	4085881	4187863	4085919	76									
37	116TH	HAWTHORNE	0536	04	34	4188753	4086572	4191447	4086560	77									
38	116TH	HAWTHORNE	0536	05	34	4191381	4086359	4192779	4086385	78									
39	118TH	HAWTHORNE	1875	01	34	4187879	4085626	4188775	4085756	79									
40	119TH	HAWTHORNE	1876	01	34	4188777	4085306	4191463	4085384	80									

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FILE NAME CS0070.002 REVISION 2
TIME OF ENTRY - 22:30:05 DATE OF LAST UPDATE 13-MAY-77 OPERATOR NAME - HAYS/PHELPS
MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4090000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4090000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20477 LOWER RIGHT = 20637 LOWER LEFT = 1634 UPPER LEFT = 1461
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13126 LOWER RIGHT = 1133 LOWER LEFT = 959 UPPER LEFT = 12904

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	162ND	TORRANCE	0490	06	46	4191625	4070237	4194339	4070283	41									
2	164TH	TORRANCE	1867	01	46	4188167	4069552	4194307	4069660	42									
3	168TH	TORRANCE	0495	03	46	4185074	4068091	4188231	4068139	43									
4	168TH	TORRANCE	0495	04	46	4188449	4068057	4190625	4068111	44									
5	168TH	TORRANCE	0495	05	46	4190827	4068075	4192169	4067818	45									
6	168TH	TORRANCE	0495	06	46	4192929	4068258	4194365	4068268	46									
7	GRAMERCY	TORRANCE	1901	06	46	4193011	4071531	4193043	4070511	47									
8	GRAMERCY	TORRANCE	1901	07	46	4193099	4070287	4193123	4069600	48									
9	GRAMERCY	TORRANCE	1901	08	46	4192929	4069630	4192941	4067119	49									
10	DUBLIN	TORRANCE	1910	01	46	4190331	4068111	4190355	4067046	50									
11	DUBLIN	TORRANCE	1910	02	46	4190311	4068602	4190309	4069859	51									
12	GLENBURN	TORRANCE	1923	01	46	4187843	4068776	4187885	4067008	52									
13	YUKON	TORRANCE	1924	06	46	4186410	4068831	4186454	4067048	53									
14	AINSWORTH	TORRANCE	1926	01	46	4185106	4068318	4185104	4067010	54									
15	147TH	LA COUNTY	1873	03	02	4186282	4075503	4187613	4075529	55									
16	147TH	LA COUNTY	1873	04	02	4187887	4075489	4191631	4075571	56									
17	147TH	LA COUNTY	1873	05	02	4191633	4075571	4192877	4075694	57									
18	147TH	LA COUNTY	1873	06	02	4192843	4075811	4194280	4075825	58									
19	COMPTON	LA COUNTY	0499	10	02	4183726	4074075	4194300	4074264	59									
20	154TH	LA COUNTY	0716	03	02	4186828	4073000	4188497	4073010	60									
21	154TH	LA COUNTY	0716	04	02	4188489	4073002	4188937	4072857	61									
22	154TH	LA COUNTY	0716	05	02	4188937	4072861	4191629	4072877	62									
23	154TH	LA COUNTY	0716	06	02	4191597	4073243	4194276	4073241	63									
24	MANHATTAN	LA COUNTY	1865	02	02	4183762	4071467	4191639	4071581	64									
25	REDONDO	LA COUNTY	0498	05	02	4181608	4066918	4191621	4070936	65									
26	REDONDO	LA COUNTY	0498	06	02	4191625	4070936	4197804	4073492	66									
27	GRAMERCY	LA COUNTY	1901	05	02	4192889	4076892	4192879	4071489	67									
28	VAN NESS	LA COUNTY	1908	04	02	4191579	4075901	4191671	4067065	68									

CONTINUED

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CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

FILE NAME CS0071.001 REVISION 1

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 16-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4113000 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4113000
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CURSOR X-COORDINATE DATA - UPPER RIGHT = 20394 LOWER RIGHT = 20400 LOWER LEFT = 1365 UPPER LEFT = 1374

CURSOR X-COORDINATE DATA - UPPER RIGHT = 28354 LOWER RIGHT = 28483 LOWER LEFT = 1883 UPPER LEFT = 21313
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21283 LOWER RIGHT = 4841 LOWER LEFT = 4859 UPPER LEFT = 21313

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	48TH	L ANGELES	1897	01	01	4187794	4112390	4194416	4112314	41	ALVISO	L ANGELES	1927	01	1	4183818	4108387	4183828	4105439
2	52ND	L ANGELES	0511	12	01	4187846	4110561	4194450	4110579	42	VERDUN	L ANGELES	1930	01	1	4183867	4108359	4183891	4107065
3	57TH	L ANGELES	0662	03	01	4187836	4109031	4194472	4109135	43	MEACHAM	L ANGELES	1932	01	1	4182290	4107039	4182823	4105753
4	SLAUSON	L ANGELES	0509	17	01	4174127	4108102	4178106	4107843	44	EDGMAR	L ANGELES	1933	01	1	4181983	4108353	4181971	4107035
5	SLAUSON	L ANGELES	0509	18	01	4178100	4107837	4180366	4108333	45	BUCKLES	L ANGELES	1934	01	1	4181458	4107035	4181679	4106151
6	SLAUSON	L ANGELES	0509	19	01	4180366	4108335	4187832	4108383	46	BUCKLES	L ANGELES	1934	02	1	4181679	4106151	4182001	4105735
7	SLAUSON	L ANGELES	0509	20	01	4187832	4108383	4194394	4108321	47	BUCKLES	INGLEWOOD	1934	03	6	4182003	4105737	4181803	4105276
8	59TH	L ANGELES	1896	01	01	4176727	4107129	4177571	4107137	48	OVERHILL	L ANGELES	1936	01	1	4180713	4108383	4180380	4105164
9	60TH	L ANGELES	1895	01	01	4180546	4107023	4187800	4107053	49	LA BREA	L ANGELES	1935	01	1	4179396	4108156	4179657	4107286
10	60TH	L ANGELES	1895	02	01	4187800	4107039	4192494	4107069	50	LA BREA	L ANGELES	1935	02	1	4179657	4107286	4179336	4105978
11	64TH	L ANGELES	1892	01	01	4174135	4106199	4175728	4105884	51	EUCALYPTS	L ANGELES	1942	01	1	4178621	4107629	4178935	4106602
2	64TH	L ANGELES	1892	02	01	4169104	4105737	4190286	4105749	52	EUCALYPTS	L ANGELES	1942	02	1	4178937	4106606	4178911	4105324
3	63RD	L ANGELES	1893	01	01	4176938	4105934	4178617	4105858	53	FAIRFAX	L ANGELES	1943	01	1	4178044	4108212	4178537	4106780
4	63RD	L ANGELES	1893	02	01	4179324	4106032	4183802	4106088	54	DAMASK	L ANGELES	1944	01	1	4178054	4107430	4178246	4105854
5	63RD	L ANGELES	1893	03	01	4186469	4106130	4189146	4106167	55	LA TIJERA	L ANGELES	1945	01	1	4177509	4107147	4178637	4107643
6	GAGE	L ANGELES	0064	09	01	4191667	4105759	4194416	4105729	56	KINGS	L ANGELES	1951	01	1	4176828	4107966	4176777	4107163
7	HYDE PARK	L ANGELES	1886	05	01	4189533	4105306	4192581	4107157	57	KINGS	L ANGELES	1951	02	1	4176781	4107159	4176132	4105830
8	SOUTHWEST	L ANGELES	1894	01	01	4189114	4104797	4191771	4106313	58	CIENEGA	L ANGELES	1952	01	1	4175734	4108008	4175940	4099221
9	SOUTHWEST	L ANGELES	1894	02	01	4191998	4106552	4192761	4106981	59	CORNING	L ANGELES	1953	01	1	4175032	4108042	4174333	4106086
0	HYDE PARK	L ANGELES	1886	04	01	4185906	4105306	4189527	4105268	60	MERIDIAN	L ANGELES	1823	01	1	4174391	4105007	4175884	4105078
1	67TH	L ANGELES	0517	05	01	4186431	4104372	4192298	4104402	61	CNTINELIA	L ANGELES	18						

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TIME OF ENTRY - 10:30:05 DATE OF LAST UPDATE 16-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4113000 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4113000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20394 LOWER RIGHT = 20400 LOWER LEFT = 1365 UPPER LEFT = 1374
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21283 LOWER RIGHT = 4841 LOWER LEFT = 4859 UPPER LEFT = 21313

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	FAIRVIEW	INGLEWOOD	1891	02	36	4175798	4105068	4179581	4104841	41	EDGEWOOD	INGLEWOOD	1941	03	6	4180675	4102540	4180524	4103674
2	FAIRVIEW	INGLEWOOD	1891	03	36	4179585	4104845	4180883	4105372	42	INGLEWOOD	INGLEWOOD	1950	01	6	4178551	4103858	4178669	4101455
3	FAIRVIEW	INGLEWOOD	1891	04	36	4180889	4105340	4181899	4105254	43	SAN DIEGO	INGLEWOOD	1024	23	6	4174097	4101945	4175471	4100802
4	FAIRVIEW	INGLEWOOD	1891	05	36	4181901	4105254	4182815	4105423	44	SAN DIEGO	INGLEWOOD	1024	24	6	4175471	4100810	4175942	4099311
5	FAIRVIEW	INGLEWOOD	1891	06	36	4182815	4105420	4185992	4105330	45	GODDARD	INGLEWOOD	1955	01	6	4174179	4101125	4174936	4100415
6	CNTINELIA	INGLEWOOD	1890	02	36	4175189	4104193	4181236	4103573	46	GODDARD	INGLEWOOD	1955	02	6	4174936	4100415	4175134	4099275
7	CNTINELIA	INGLEWOOD	1890	03	36	4181238	4103571	4182899	4101351	47	HAZEL	INGLEWOOD	1885	01	6	4179917	4100635	4180703	4101423
8	WELTON	INGLEWOOD	1938	01	36	4180607	4104688	4182396	4104672	48	HAZEL	INGLEWOOD	1885	02	6	4180693	4101435	4182121	4102396
9	WELTON	INGLEWOOD	1938	02	36	4182332	4104295	4183119	4102938	49	67TH	INGLEWOOD	0517	06	6	4186481	4104414	4185081	4103732
10	PARK	INGLEWOOD	1928	01	36	4183193	4105134	4183794	4104069	50	67TH	INGLEWOOD	0517	07	6	4185081	4103730	4183824	4103585
11	PARK	INGLEWOOD	1928	02	36	4183794	4104069	4183816	4102833	51	WARREN	INGLEWOOD	1899	01	6	4182470	4101943	4183839	4102853
12	GAY	INGLEWOOD	1940	01	36	4184394	4105425	4185696	4103549	52	FLORENCE	INGLEWOOD	0508	15	6	4174091	4098295	4177591	4099939
13	PLYMOUTH	INGLEWOOD	1889	01	36	4176884	4103128	4181352	4103128	53	FLORENCE	INGLEWOOD	0508	16	6	4177597	4099937	4180657	4099668
14	HYDE PARK	INGLEWOOD	1886	01	36	4178194	4101899	4179665	4101903	54	FLORENCE	INGLEWOOD	0508	17	6	4180657	4099670	4181356	4100054
15	HYDE PARK	INGLEWOOD	1886	02	36	4179673	4101915	4180707	4102625	55	FLORENCE	INGLEWOOD	0508	18	6	4181356	4100056	4182224	4100938
16	HYDE PARK	INGLEWOOD	1886	03	36	4180709	4102625	4185894	4105340	56	FLORENCE	INGLEWOOD	0508	19	6	4182216	4100936	4185832	4103064
17	BEACH	INGLEWOOD	1884	01	36	4176900	4103172	4178621	4101504	57	GRACE	INGLEWOOD	1883	01	6	4183814	4100946	4182374	4100834
18	BEACH	INGLEWOOD	1884	02	36	4178627	4101506	4180769	4100146	58	REGENT	INGLEWOOD	1882	01	6	4183822	4099512	4180460	4099428
19	BEACH	INGLEWOOD	1884	03	36	4180769	4100144	4181723	4101193	59	80TH	INGLEWOOD	0522	05	6	4186606	4100114	4191465	4100116
20	BEACH	INGLEWOOD	1884	04	36	4181719	4101195	4182652	4101726	60	0.1S 80TH	INGLEWOOD	2619	01	6	4187401	4099115	4188056	4099719
21	BEACH	INGLEWOOD	1884	05	36	4176898	4103150	4177044	4105569	61	CRENSHAW	INGLEWOOD	1915	03	6	4187756	4099454	4189096	4098367
2	KNOWLTON	INGLEWOOD	1954	01	36	4174986	4103718	4175888	4103104	62	84TH	INGLEWOOD	0524	04	6	4186598	4098423	4187766	4098447
3	THORNBURN	INGLEWOOD	1880	01	36	4174109	4102312	4175920	4100910	63	84TH	INGLEWOOD	0524	05	6	4188351	4098393	4190801	4098405
4	GLASCOW	INGLEWOOD	1946	01	36	4175215	4103168	4175253	4102035	64	MNCHESTER	INGLEWOOD	0507	03	6	4174127	4097815	4174920	4097827
5	GLASCOW	INGLEWOOD	1946	02	36	4175251	4102037	4174990	4101634	65	MNCHESTER	INGLEWOOD	0507	04	6	4174920	4097829	4175467	4098401
6	HILL	INGLEWOOD	1948	01	36	4176906	4103489	4175858	4102512	66	MNCHESTER	INGLEWOOD	0507	05	6	4175469	4098401	4182398	4098449
7	VENICE	INGLEWOOD	1887	01	36	4178232	4102597	4176567	4100834	67	MNCHESTER	INGLEWOOD	1881	01	6	4182400	4098435	4183838	4098413
8	HYDE PARK	INGLEWOOD	1886	07	36	4176301	4099301	4176279	4100846	68									
9	HYDE PARK	INGLEWOOD	1886	06	36	4177651	4101040	4176066	4100818	69									
0	ACACIA	INGLEWOOD	1949	01	36	4177831	4105900	4177825	4104905	70									
1	EUCALYPTS	INGLEWOOD	1942	03	36	4178909	4105304	4179092	4103752	71									
	EUCALYPTS	INGLEWOOD	1942	04	36	4179266	4101923	4179378	4100996	72									
	EUCALYPTS	INGLEWOOD	1942	05	36	4179380	4100998	4179126	4099777	73									
	LA BREA	INGLEWOOD	1935	03	36	4179358	4106020	4179775	4104221	74									
	LA BREA	INGLEWOOD	1935	04	36	4179781	4104223	4179695	4101897	75									
	LA BREA	INGLEWOOD	1935	05	36	4179695	4101897	4180949	4100198	76									
	MEACHAM	INGLEWOOD	1932	02	36	4182815	4105757	4182917	4104727	77									
	FIELD	INGLEWOOD	1937	01	36	4181218	4104696	4181200	4103581	78									
	EDGEWOOD	INGLEWOOD	1941	01	36	4180697	4102548	4181158	4101774	79									
	EDGEWOOD	INGLEWOOD	1941	02	36	4181170	4101778	4181416	4100800	80									

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TIME OF ENTRY - 11:00:04 DATE OF LAST UPDATE 16-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4113000 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4113000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20394 LOWER RIGHT = 20400 LOWER LEFT = 1365 UPPER LEFT = 1374
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21283 LOWER RIGHT = 4841 LOWER LEFT = 4859 UPPER LEFT = 21313

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HILLCREST	INGLEWOOD	1879	01	36	4174139	4096458	4175934	4096472	41	111TH	INGLEWOOD	0705	06	6	4177916	4088576	4183855	4088568
2	HILLCREST	INGLEWOOD	1879	02	36	4175934	4096474	4176261	4096578	42	111TH	INGLEWOOD	0705	07	6	4183798	4088301	4189112	4088293
3	HILLCREST	INGLEWOOD	1879	03	36	4176257	4096580	4178427	4096586	43	111TH	INGLEWOOD	0705	08	6	4190036	4088152	4191368	4088128
4	HILLCREST	INGLEWOOD	1879	04	36	4178429	4096588	4180536	4096634	44	111TH	INGLEWOOD	0705	11	6	4176088	4088331	4177944	4088265
5	HILLCREST	INGLEWOOD	1879	05	36	4180536	4096632	4182368	4098463	45	IMPERIAL	INGLEWOOD	0504	19	6	4174139	4087284	4183843	4087260
6	MNCHES	INGLEWOOD	0507	06	36	4182358	4099463	4183267	4097683	46	IMPERIAL	INGLEWOOD	0504	20	6	4183843	4087260	4194400	4087274
7	MNCHES	INGLEWOOD	0507	07	36	4183259	4097685	4183909	4097815	47	5TH	INGLEWOOD	1909	02	6	4190447	4103094	4190421	4099338
8	MNCHES	INGLEWOOD	0507	08	36	4183907	4097813	4191767	4097825	48	5TH	INGLEWOOD	1909	04	6	4190409	4099017	4190429	4092519
9	KELSO	INGLEWOOD	1880	01	36	4181472	4097607	4182452	4096638	49	5TH	INGLEWOOD	1909	05	6	4190425	4091780	4190413	4089877
10	KELSO	INGLEWOOD	1880	02	36	4182456	4096620	4183847	4096656	50	CRENSHAW	INGLEWOOD	1915	04	6	4189118	4098152	4189088	4087593
11	90TH	INGLEWOOD	0526	08	36	4183836	4096656	4186351	4096510	51	CRENSHAW	INGLEWOOD	1915	02	6	4187782	4101112	4187796	4099448
12	90TH	INGLEWOOD	0526	09	36	4186353	4096508	4189120	4096476	52	DARBY	INGLEWOOD	1919	01	6	4187680	4092147	4187700	4091195
13	89TH	INGLEWOOD	0700	04	36	4189134	4096492	4194438	4096445	53	DEHN	INGLEWOOD	1987	01	6	4187393	4087288	4187399	4084875
14	ARBOR VIT	INGLEWOOD	1878	01	36	4174095	4095166	4183841	4095162	54	WEST	INGLEWOOD	1918	02	6	4186612	4101102	4186618	4098435
15	ARBOR VIT	INGLEWOOD	1878	02	36	4188211	4095048	4189104	4095066	55	YUKON	INGLEWOOD	1924	01	6	4186465	4092561	4186515	4090118
16	96TH	INGLEWOOD	0528	03	36	4174111	4094003	4175467	4093963	56	YUKON	INGLEWOOD	1924	02	6	4186515	4090118	4186570	4087266
17	96TH	INGLEWOOD	0528	04	36	4176585	4094283	4178567	4094271	57	YUKON	INGLEWOOD	1924	03	6	4186499	4087272	4186497	4084781
18	HARDY	INGLEWOOD	1877	01	36	4178517	4093848	4183849	4093864	58	DOTY	INGLEWOOD	1925	01	6	4185065	4092567	4185065	4090108
19	HARDY	INGLEWOOD	1877	02	36	4188385	4093902	4194069	4093842	59	DOTY	INGLEWOOD	1925	02	6	4185193	4090124	4185225	4087246
20	0.3N CENT	INGLEWOOD	2609	01	36	4176114	4094125	4176966	4094153	60	DOTY	INGLEWOOD	1925	03	6	4185145	4087258	4185159	4084564
21	98TH	INGLEWOOD	0530	04	36	4176683	4093247	4178569	4093220	61	PRAIRIE	INGLEWOOD	1929	01	6	4183826	4101901	4183843	4090826
22	CENTURY	INGLEWOOD	0505	10	36	4174111	4092533	4183804	4092537	62	PRAIRIE	INGLEWOOD	1929	02	6	4183843	4090826	4183820	4080170
23	CENTURY	INGLEWOOD	0505	11	36	4163808	4092543	4194380	4092498	63	HILLCREST	INGLEWOOD	1879	06	6	4182336	4101036	4182382	4098443
24	0.2W CRSH	INGLEWOOD	2610	01	36	4187818	4092966	4187850	4092218	64	MYRTLE	INGLEWOOD	1985	01	6	4182460	4096668	4182468	4095158
25	0.2E PRAR	INGLEWOOD	2613	01	36	4184937	4098279	4184933	4097252	65	MYRTLE	INGLEWOOD	1985	02	6	4182218	4095184	4182226	4092521
26	0.5E PRAR	INGLEWOOD	2614	01	36	4186497	4097474	4186475	4098291	66	FREEMAN	INGLEWOOD	1973	02	6	4182504	4092539	4182526	4081999
27	0.8E PRAR	INGLEWOOD	2615	01	36	4187794	4097565	4187822	4098230	67									
28	0.2E PRAR	INGLEWOOD	2616	01	36	4184957	4097087	4185001	4095982	68									
29	0.5E PRAR	INGLEWOOD	2617	01	36	4186463	4096903	4186475	4095902	69									
30	0.8E PRAR	INGLEWOOD	2618	01	36	4187902	4095752	4187888	4097003	70									
31	104TH	INGLEWOOD	1871	01	36	4174105	4091303	4175870	4091237	71									
32	104TH	INGLEWOOD	1871	02	36	4176549	4091269	4183851	4091239	72									
33	104TH	INGLEWOOD	1871	03	36	4183836	4091237	4194428	4091201	73									
34	0.3E CRSH	INGLEWOOD	2601	01	36	4176930	4091181	4176176	4091151	74									
35	0.5N IMPR	INGLEWOOD	2599	01	36	4176152	4090016	4176852	4090034	75									
36	0.2N IMPR	INGLEWOOD	2598	01	36	4176068	4088277	4176647	4088331	76									
37	108TH	INGLEWOOD	0533	06	36	4183818	4089729	4189112	4089729	77									
38	108TH	INGLEWOOD	0533	07	36	4189102	4089883	4194360	4089891	78									
39	110TH	INGLEWOOD	0534	03	36	4177226	4089123	4177928	4089113	79									
40	111TH	INGLEWOOD	0705	05	36	4174135	4088590	4175930	4088570	80									

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TIME OF ENTRY - 11:10:06 DATE OF LAST UPDATE 16-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4113000 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4113000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20394 LOWER RIGHT = 20400 LOWER LEFT = 1365 UPPER LEFT = 1374
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21283 LOWER RIGHT = 4841 LOWER LEFT = 4859 UPPER LEFT = 21313

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	HAWTHORNE	INGLEWOOD	1984	01	36	4181392	4100062	4181398	4097512	41									
2	HAWTHORNE	INGLEWOOD	1984	02	36	4181400	4097510	4181206	4095154	42									
3	HAWTHORNE	INGLEWOOD	1984	03	36	4181204	4095156	4181272	4083961	43									
4	LA BREA	INGLEWOOD	1935	06	36	4180977	4100218	4181011	4097077	44									
5	LA BREA	INGLEWOOD	1935	07	36	4181009	4097077	4181340	4096724	45									
6	FIR	INGLEWOOD	1982	01	36	4179785	4099777	4179743	4098441	46									
7	FIR	INGLEWOOD	1982	02	36	4179809	4097438	4179759	4096622	47									
8	FIR	INGLEWOOD	1982	03	36	4179907	4095188	4179895	4092490	48									
9	WALNUT	INGLEWOOD	1983	01	36	4180082	4096626	4180090	4095156	49									
10	FIRMONA	INGLEWOOD	1981	03	36	4179885	4092127	4179913	4087304	50									
11	INGLEWOOD	INGLEWOOD	1950	02	36	4178451	4099893	4178461	4095186	51									
12	INGLEWOOD	INGLEWOOD	1950	03	36	4178537	4095206	4178589	4084127	52									
13	OAK	INGLEWOOD	1980	01	36	4177126	4099719	4177136	4095184	53									
14	OAK	INGLEWOOD	1980	02	36	4177222	4095194	4177260	4093247	54									
15	FELTON	INGLEWOOD	1979	01	36	4177216	4097559	4177224	4089887	55									
16	BURFORD	INGLEWOOD	1978	01	36	4177874	4089919	4177926	4088245	56									
17	REDFERN	INGLEWOOD	1977	01	36	4176892	4088267	4176904	4087284	57									
18	SAN DIEGO	INGLEWOOD	1024	25	36	4175942	4099309	4176134	4098481	58									
19	SAN DIEGO	INGLEWOOD	1024	26	36	4176134	4098479	4176090	4095132	59									
20	SAN DIEGO	INGLEWOOD	1024	27	36	4176088	4095132	4176425	4094137	60									
21	SAN DIEGO	INGLEWOOD	1024	28	36	4176423	4094123	4176387	4084520	61									
22	CIENEGA	INGLEWOOD	1952	02	36	4175910	4099171	4175900	4088947	62									
23	CIENEGA	INGLEWOOD	1952	03	36	4175888	4088947	4175900	4083112	63									
24	GLASGOW	INGLEWOOD	1946	03	36	4175375	4099087	4175379	4095104	64									
25	GLASGOW	INGLEWOOD	1957	01	36	4175467	4094853	4175431	4093433	65									
26	GLASGOW	INGLEWOOD	1957	02	36	4175431	4093431	4174998	4092821	66									
27	GLASGOW	INGLEWOOD	1957	03	36	4175569	4092577	4175649	4091221	67									
28	HINDRY	INGLEWOOD	1960	01	36	4175215	4088584	4175227	4087276	68									
29	0.3S MNCH	L ANGELES	2620	01	01	4194582	4096458	4195291	4096449	69									
30	0.3S MNCH	L ANGELES	2621	01	01	4195472	4096449	4196163	4096468	70									
31	0.2N FLRN	L ANGELES	2622	01	01	4207790	4104386	4208654	4104394	71									
32	0.2E AVLN	L ANGELES	2623	01	01	4208945	4105906	4208895	4106728	72									
33	0.2S IMPR	L ANGELES	2607	01	01	4210522	4085766	4211291	4085744	73									
34	0.3N IMPR	L ANGELES	2612	01	01	4210353	4088373	4211439	4088395	74									
35										75									
36										76									
37										77									
38										78									
39										79									
40										80									

TIME OF ENTRY - 12:15:00 DATE OF LAST UPDATE 08-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 12:15:00    DATE OF LAST UPDATE - 08-MAY-97    OPERATOR NAME - RAYMOND S
MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4164000 UPPER LEFT = 4164000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4068000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4068000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 14957 LOWER RIGHT = 15160 LOWER LEFT = 9646 UPPER LEFT = 9463
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15526 LOWER RIGHT = 1505 LOWER LEFT = 1481 UPPER LEFT = 15462

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	GOULD	HRMOSA	BH	2273	01	35	4164857	4066221	4166082	4066834	41	SERPENTNE	RDONDO	BH	2288	01	3	4171810	4050712	4172446	4050570
2	GOULD	HRMOSA	BH	2273	02	35	4166100	4066850	4167738	4066125	42	NOB HILL	RDONDO	BH	2248	01	3	4169657	4050246	4173870	4049945
3	ARTESIA	HRMOSA	BH	1331	06	35	4167736	4066161	4173665	4066213	43	AVE C	RDONDO	BH	2289	01	3	4169633	4048972	4170938	4049030
4	24TH	HRMOSA	BH	2265	01	35	4165025	4065362	4167134	4065340	44	AVE C	RDONDO	BH	2289	02	3	4170940	4049030	4173870	4048778
5	21ST	HRMOSA	BH	2264	01	35	4166493	4064813	4167993	4065196	45	AVE F	RDONDO	BH	2290	01	3	4169683	4047812	4171269	4047904
6	19TH	HRMOSA	BH	2274	01	35	4165207	4063946	4166569	4064283	46	AVE F	RDONDO	BH	2290	02	3	4171273	4047904	4172801	4046599
7	18TH	HRMOSA	BH	2263	01	35	4168233	4064417	4168977	4064607	47	AVE F	RDONDO	BH	2290	03	3	4172799	4046601	4173597	4046448
8	GRANT	HRMOSA	BH	2260	01	35	4171620	4064813	4173667	4064839	48	AVE I	RDONDO	BH	2291	01	3	4169741	4046727	4171046	4046599
9	16TH	HRMOSA	BH	2276	01	35	4165592	4063185	4166862	4063526	49	PC HIGHWAY	RDONDO	BH	1017	16	3	4171050	4046887	4172654	4045717
10	15TH	HRMOSA	BH	2262	01	35	4167786	4063730	4169290	4064100	50	PC HIGHWAY	RDONDO	BH	1017	21	3	4172658	4045721	4173924	4045437
11	PIER	HRMOSA	BH	2247	01	35	4168614	4062771	4169593	4062724	51	C CAMPO	RDONDO	BH	2292	01	3	4170689	4045197	4171590	4045022
12	PIER	HRMOSA	BH	2247	02	35	4169595	4062726	4171618	4064579	52	C CAMPO	RDONDO	BH	2292	02	3	4171596	4045020	4172480	4045357
13	PIER	HRMOSA	BH	2247	03	35	4171616	4064577	4171704	4065604	53	C CAMPO	RDONDO	BH	2292	03	3	4172474	4045353	4173049	4045339
14	PIER	HRMOSA	BH	2247	04	35	4171704	4065592	4172324	4066994	54	V RIVERA	RDONDO	BH	2294	01	3	4169454	4043663	4170154	4043885
15	MARSHALL	HRMOSA	BH	2259	01	35	4170814	4062919	4171672	4063305	55	MIRAMAR	RDONDO	BH	2270	01	3	4172358	4043879	4171648	4044023
16	MARSHALL	HRMOSA	BH	2259	02	35	4171674	4063385	4173683	4063455	56	MIRAMAR	RDONDO	BH	2270	02	3	4171650	4044019	4171016	4043789
17	8TH	HRMOSA	BH	2257	01	35	4166100	4061036	4169970	4062014	57	MIRAMAR	RDONDO	BH	2270	03	3	4170968	4043815	4170180	4043849
18	8TH	HRMOSA	BH	2257	02	35	4169990	4062144	4170840	4062258	58	MIRAMAR	RDONDO	BH	2270	04	3	4170144	4043877	4170166	4044784
19	8TH	HRMOSA	BH	2257	03	35	4170840	4062258	4172097	4062238	59	MIRAMAR	RDONDO	BH	2270	05	3	4170172	4044778	4169615	4045351
20	SPEYER	HRMOSA	BH	2258	01	35	4172121	4062392	4173699	406											

TIME OF ENTRY - 14:20:13 DATE OF LAST UPDATE 08-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4164000 UPPER LEFT = 4164000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4068000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4068000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 14957 LOWER RIGHT = 15160 LOWER LEFT = 9646 UPPER LEFT = 9463
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15526 LOWER RIGHT = 1505 LOWER LEFT = 1481 UPPER LEFT = 15462

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	V COLUSA	RDONDO	BH	2299	01	43	4172592	4042096	4173150	4042465	41	PAS PLAYA	RDONDO	BH	2269	04	3	4169542	4044802	4169731	4045197
2	V COLUSA	RDONDO	BH	2299	02	43	4173150	4042471	4173904	4042505	42	ESPLANADE	RDONDO	BH	2268	01	3	4169587	4045341	4169735	4046749
3	ARBOLES	RDONDO	BH	2155	03	43	4169879	4041331	4171233	4041355	43	ESPLANADE	RDONDO	BH	2268	02	3	4169747	4046747	4169555	4049404
4	VIA ANITA	RDONDO	BH	2271	01	43	4173982	4041093	4172283	4040939	44	ESPLANADE	RDONDO	BH	2268	03	3	4169561	4049402	4169747	4051067
5	VIA ANITA	RDONDO	BH	2271	02	43	4172283	4040939	4171941	4040769	45	ESPLANADE	RDONDO	BH	2268	04	3	4169745	4051055	4169633	4051683
6	VIA ANITA	RDONDO	BH	2271	03	43	4171969	4040797	4171106	4040733	46	ESPLANADE	RDONDO	BH	2268	05	3	4169635	4051683	4169855	4052535
7	VIA ANITA	RDONDO	BH	2271	04	43	4170102	4040755	4169496	4041103	47	1ST	RDONDO	BH	2020	04	3	4169476	4040887	4169643	4041894
8	HERMOSA	HRMOSA	BH	2266	01	35	4167184	4058787	4165963	4063946	48	1ST	RDONDO	BH	2020	05	3	4169635	4041892	4170631	4043655
9	HERMOSA	HRMOSA	BH	2266	02	35	4165955	4063950	4165484	4064593	49	1ST	RDONDO	BH	2020	06	3	4170631	4043651	4170693	4045347
10	HERMOSA	HRMOSA	BH	2266	03	35	4165476	4064605	4164766	4065849	50	CATALINA	RDONDO	BH	2282	01	3	4170691	4045345	4170216	4046310
11	HERMOSA	HRMOSA	BH	2266	04	35	4164766	4065843	4164889	4066265	51	CATALINA	RDONDO	BH	2282	02	3	4170218	4045310	4169885	4050672
12	HERMOSA	HRMOSA	BH	2266	05	35	4164889	4066265	4164586	4066938	52	CATALINA	RDONDO	BH	2282	03	3	4169883	4050672	4170216	4052304
13	LOMA	HRMOSA	BH	2275	01	35	4167628	4060826	4167086	4062935	53	CATALINA	RDONDO	BH	2282	04	3	4170216	4052304	4170194	4053630
14	LOMA	HRMOSA	BH	2275	02	35	4167084	4062933	4166693	4063942	54	CATALINA	RDONDO	BH	2282	05	3	4170196	4053630	4169923	4055286
15	LOMA	HRMOSA	BH	2275	03	35	4166687	4063952	4166258	4065042	55	CATALINA	RDONDO	BH	2282	06	3	4169925	4055286	4168983	4056290
16	VAL \$ ARD	HRMOSA	BH	2011	11	35	4168490	4059015	4168019	4060101	56	PACIFIC	RDONDO	BH	2281	01	3	4168977	4056284	4168867	4057161
17	VAL \$ ARD	HRMOSA	BH	2011	12	35	4168013	4060103	4168209	4061262	57	PACIFIC	RDONDO	BH	2281	02	3	4168865	4057161	4169438	4059458
18	VAL \$ ARD	HRMOSA	BH	2011	13	35	4168492	4059025	4168724	4059833	58	M GRANDE	RDONDO	BH	2297	01	3	4171229	4041359	4171471	4042253
19	VAL \$ ARD	HRMOSA	BH	2011	14	35	4168728	4059833	4168241	4061279	59	P VERDES	RDONDO	BH	2220	06	3	4170659	4043643	4170725	4045209
20	VAL \$ ARD	HRMOSA	BH	2011	15	35	4168237	4061274	4167858												

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TIME OF ENTRY - 14:45:08 DATE OF LAST UPDATE 08-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4175000 UPPER LEFT = 4175000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4068000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4068000

CURSOR X-COORDINATE DATA - UPPER RIGHT = 14381 LOWER RIGHT = 15105 LOWER LEFT = 1481 UPPER LEFT = 15462
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 15526 LOWER RIGHT = 1505 LOWER LEFT = 1481 UPPER LEFT = 15462

[illegible]

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20885 LOWER RIGHT = 20758 LOWER LEFT = 1052 UPPER LEFT = 1210
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21075 LOWER RIGHT = 2600 LOWER LEFT = 2794 UPPER LEFT = 21228

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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21075 LOWER RIGHT = 2600 LOWER LEFT = 2794 UPPER LEFT = 21228

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	ARTESIA	TORRANCE	1066	07	46	4185386	4066012	4194659	4065996	41	TORRANCE	TORRANCE	1023	04	6	4183586	4053152	4185106	4052620
2	177TH	TORRANCE	2101	01	46	4181421	4065017	4184984	4064978	42	TORRANCE	TORRANCE	1023	05	6	4185120	4052608	4192696	4052612
3	177TH	TORRANCE	2101	02	46	4185288	4064964	4187503	4064952	43	STEVEANN	TORRANCE	2124	01	6	4176207	4052392	4177310	4052379
4	178TH	TORRANCE	1059	02	46	4188087	4064713	4189313	4064695	44	FASHION	TORRANCE	2122	01	6	4181071	4052333	4183624	4052303
5	178TH	TORRANCE	1059	03	46	4189317	4064695	4190650	4064721	45	LENORE	TORRANCE	2123	01	6	4176217	4051569	4177374	4051567
6	178TH	TORRANCE	1059	04	46	4190650	4064707	4193243	4064657	46	LENORE	TORRANCE	2123	02	6	4177380	4051569	4180057	4051952
7	178TH	TORRANCE	1059	05	46	4193473	4064635	4194629	4064615	47	RUBY	TORRANCE	2125	01	6	4174875	4051749	4176219	4051850
8	182ND	TORRANCE	1061	07	46	4188709	4063403	4194583	4063323	48	SONOMA	TORRANCE	2126	01	6	4183650	4051382	4190434	4051380
9	186TH	TORRANCE	1063	02	46	4188083	4062203	4183067	4062158	49	ENGRACIA	TORRANCE	2127	01	6	4190430	4051392	4192862	4053614
10	186TH	TORRANCE	1063	03	46	4192224	4062094	4194615	4062046	50	EL PRADO	TORRANCE	2128	01	6	4190978	4050912	4192806	4052458
11	187TH	TORRANCE	2106	01	46	4184012	4061789	4187203	4061767	51	CARSON	TORRANCE	1022	14	6	4174999	4051314	4175701	4050997
12	187TH	TORRANCE	2106	02	46	4187463	4061859	4189315	4061793	52	CARSON	TORRANCE	1022	15	6	4175699	4051001	4177052	4050966
13	164TH	TORRANCE	2202	01	46	4184008	4062568	4185244	4062510	53	CARSON	TORRANCE	1022	16	6	4177054	4050966	4178276	4050489
14	SAN DIEGO	TORRANCE	1024	36	46	4193461	4061502	4194629	4061247	54	CARSON	TORRANCE	1022	17	6	4178278	4050479	4181275	4050984
15	190TH	TORRANCE	1064	06	46	4184484	4060810	4194619	4060687	55	CARSON	TORRANCE	1022	18	6	4181269	4050986	4182415	4050782
16	TOWERS	TORRANCE	2107	01	46	4174557	4059539	4175083	4059830	56	CARSON	TORRANCE	1022	19	6	4182413	4050784	4190440	4050836
17	TOWERS	TORRANCE	2107	02	46	4175095	4059828	4177594	4059934	57	CARSON	TORRANCE	1022	20	6	4190438	4050832	4194515	4050844
18	NARROT	TORRANCE	2108	01	46	4177922	4059146	4179048	4059611	58	MONTREY	TORRANCE	2131	01	6	4183608	4050143	4188563	4050131
19	NARROT	TORRANCE	2108	02	46	4179050	4059603	4179670	4059643	59	LAURETTE	TORRANCE	2129	01	6	4176195	4050216	4177034	4050123
20	NARROT	TORRANCE	2108	03	46	4179678	4059649	4180259	4059850	60	LAURETTE	TORRANCE	2129	02	6	4177034	4050123	4177966	4049792
21	NARROT	TORRANCE	2108	04	46	4180257	4059854	4180999	4059898	61	220TH	TORRANCE	1078	05	6	4191480	4049549	4194609	4049577
22	DEELANE	TORRANCE	2109	01	46	4179044	4058588	4180979	4058586	62	WASHINGTON	TORRANCE	2239	01	6	4188589	4048710	4190926	4048726
23	HALISON	TORRANCE	2110	01	46	4174505	4058499	4175281	4058353	63	WASHINGTON	TORRANCE	2239	02	6	4190928	4048722	4193269	4048800
24	HALISON	TORRANCE	2110	02	46	4175273	4058359	4176627	4058317	64	P DELAMO	TORRANCE	2130	01	6	4193255	4048114	4194553	4047703
25	HALISON	TORRANCE	2110	03	46	4176806	4058331	4180135	4058234	65	LINCOLN	TORRANCE	2132	01	6	4192164	4047695	4193046	4047450
26	HALISON	TORRANCE	2110	04	46	4180149	4058242	4180995	4058285	66	MARINETTE	TORRANCE	2133	01	6	4192992	4047227	4194139	4046914
27	DEL AMO	TORRANCE	1069	11	46	4174183	4057464	4174823	4057301	67	SANTA FE	TORRANCE	2134	01	6	4188603	4048120	4192552	4047018
28	DEL AMO	TORRANCE	1069	12	46	4174827	4057305	4183624	4057231	68	SEPULVEDA	TORRANCE	1021	13	6	4174193	4050431	4175407	4049473
29	DEL AMO	TORRANCE	1069	13	46	4188567	4056520	4194575	4056522	69	SEPULVEDA	TORRANCE	1021	14	6	4175409	4049473	4184040	4048526
30	SPENCER	TORRANCE	2114	01	46	4175679	4055936	4183700	4055870	70	SEPULVEDA	TORRANCE	1021	15	6	4184040	4048526	4192744	4046338
31	GARNET	TORRANCE	2116	01	46	4174189	4056006	4175321	4055242	71	SEPULVEDA	TORRANCE	1021	16	6	4192732	4046344	4194547	4045553
32	GARNET	TORRANCE	2116	02	46	4175319	4055248	4175877	4055244	72	P VERDES	TORRANCE	2220	01	6	4176265	4053273	4176273	4048811
33	GARNET	TORRANCE	2116	03	46	4185114	4055543	4186538	4055535	73	P VERDES	TORRANCE	2220	02	6	4176257	4048821	4175181	4047881
34	COLUMBIA	TORRANCE	2117	01	46	4185054	4054623	4187571	4054644	74	P VERDES	TORRANCE	2220	03	6	4175173	4047895	4174167	4047847
35	EMERALD	TORRANCE	2120	01	46	4175705	4054589	4183654	4054507	75									
36	CALIFORNA	TORRANCE	2118	01	46	4185080	4053788	4188933	4053758	76									
37	CALIFORNA	TORRANCE	2118	02	46	4189267	4053768	4190772	4053766	77									
38	VAN NESS	TORRANCE	1908	05	46	4191090	4054395	4193173	4051942	78									
39	TORRANCE	TORRANCE	1023	02	46	4174437	4053720	4175265	4053220	79									
40	TORRANCE	TORRANCE	1023	03	46	4175255	4053243	4183588	4053144	80									

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TIME OF ENTRY - 19:00:00 DATE OF LAST UPDATE 13-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000
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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21068 LOWER RIGHT = 2603 LOWER LEFT = 2776 UPPER LEFT = 21204

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	FALDA	TORRANCE	2201	01	46	4176187	4048857	4181680	4045307	41	240TH	TORRANCE	1093	02	6	4193633	4041962	4191090	4041938
2	226TH	TORRANCE	2135	01	46	4178517	4048204	4179579	4048194	42	240TH	TORRANCE	1093	03	6	4182377	4041910	4181186	4041950
3	226TH	TORRANCE	2135	02	46	4180066	4048146	4183718	4047741	43	241ST	TORRANCE	2170	01	6	4189089	4041703	4191150	4041703
4	226TH	TORRANCE	2135	03	46	4184402	4047656	4186131	4047446	44	242ND	TORRANCE	2165	01	6	4194223	4041075	4193611	4041063
5	226TH	TORRANCE	2135	04	46	4187112	4047126	4188002	4046936	45	243RD	TORRANCE	2166	01	6	4194175	4040932	4194940	4040910
6	229TH	TORRANCE	2136	01	46	4188658	4046229	4191174	4046211	46	LOMITA PK	TORRANCE	2167	01	6	4192779	4040784	4192086	4040770
7	229TH	TORRANCE	2136	02	46	4183684	4046488	4182715	4046500	47	TURREL	TORRANCE	2168	01	6	4193051	4040410	4193625	4040410
8	MIDDLEBRK	TORRANCE	2137	01	46	4191348	4045994	4192731	4045893	48	245TH	TORRANCE	2169	01	6	4191838	4040619	4191038	4040595
9	HUBER	TORRANCE	2138	01	46	4192729	4045904	4193911	4045381	49	LOMITA	TORRANCE	1020	04	6	4181682	4045315	4191206	4040264
10	REYNOLDS	TORRANCE	2225	03	46	4176496	4047608	4177706	4047608	50	LOMITA	TORRANCE	1020	05	6	4191210	4040252	4194266	4038651
11	227TH	TORRANCE	1083	05	46	4179565	4047658	4180766	4047604	51	LOMITA	TORRANCE	1020	06	6	4194270	4038651	4194898	4038621
12	230TH	TORRANCE	1091	03	46	4188698	4045755	4186865	4046231	52	247TH	TORRANCE	1096	02	6	4193483	4039800	4194956	4039760
13	230TH	TORRANCE	1091	04	46	4182755	4046112	4180096	4046385	53	240TH	TORRANCE	1093	04	6	4191922	4039613	4191378	4039613
14	SHARYNNE	TORRANCE	2139	01	46	4174781	4046881	4177482	4046835	54	240TH	TORRANCE	1093	05	6	4191070	4039665	4188782	4039667
15	SHARYNNE	TORRANCE	2139	02	46	4177502	4046847	4178787	4046968	55	250TH	TORRANCE	2147	01	6	4188526	4038806	4192749	4038764
16	232ND	TORRANCE	2142	01	46	4185447	4045960	4188680	4044908	56	EBONY	TORRANCE	2146	01	6	4193489	4037617	4194532	4038629
17	231ST	TORRANCE	1086	05	46	4188632	4045165	4192847	4045108	57	253RD	TORRANCE	2162	01	6	4188574	4037778	4189437	4037764
18	235TH	TORRANCE	1087	04	46	4184852	4045598	4187552	4044173	58	253RD	TORRANCE	2162	02	6	4192675	4037619	4194876	4037521
19	235TH	TORRANCE	1087	05	46	4187554	4044171	4194598	4044074	59	253RD	TORRANCE	2163	01	6	4191040	4037360	4191912	4037348
20	237TH	TORRANCE	1088	02	46	4188626	4043070	4193681	4042992	60	255TH	TORRANCE	2164	01	6	4188532	4036706	4192747	4036686
21	CARDL	TORRANCE	2141	01	46	4175139	4046165	4176576	4046261	61	255TH	TORRANCE	2164	02	6	4193457	4036730	4194852	4036724
22	BINDEWALD	TORRANCE	2140	01	46	4175439	4045203	4176882	4046110	62	PC HIGHWAY	TORRANCE	1017	06	6	4174122	4045369	4175707	4044731
23	BINDEWALD	TORRANCE	2140	02	46	4176878	4046094	4178289	4046349	63	PC HIGHWAY	TORRANCE	1017	07	6	4175707	4044733	4177094	4043593
24	LINDA	TORRANCE	2228	01	46	4176023	4048415	4176001	4046004	64	PC HIGHWAY	TORRANCE	1017	08	6	4177098	4043589	4182539	4040882
25	LINDA	TORRANCE	2228	02	46	4176003	4046006	4174601	4045528	65	PC HIGHWAY	TORRANCE	1017	09	6	4182541	4040878	4188240	4035686
26	MACAFEE	TORRANCE	2218	01	46	4177342	4045675	4176155	4045078	66	PC HIGHWAY	TORRANCE	1017	10	6	4188258	4035684	4194866	4035583
27	VANDRHILL	TORRANCE	2219	01	46	4176155	4045074	4176309	4044645	67	DORMAN	TORRANCE	2199	01	6	4193239	4066827	4193227	4065956
28	CALLE MYR	TORRANCE	2143	01	46	4173996	4043430	4178561	4045711	68	DORMAN	TORRANCE	2199	02	6	4193209	4065048	4193229	4064072
29	CALLE MYR	TORRANCE	2143	02	46	4178567	4045711	4179727	4045630	69	DORMAN	TORRANCE	2199	03	6	4193237	4064074	4193461	4063687
30	CALLE MYR	TORRANCE	2143	03	46	4179727	4045636	4180104	4045227	70	DORMAN	TORRANCE	2199	04	6	4193471	4063677	4193389	4062892
31	CALLE MYR	TORRANCE	2143	04	46	4180100	4045227	4180120	4044767	71	DORMAN	TORRANCE	2199	05	6	4193389	4062896	4193515	4062187
32	ANYA	TORRANCE	2208	08	46	4179005	4045729	4179601	4044878	72	DORMAN	TORRANCE	2199	06	6	4193515	4062187	4193513	4061711
33	ANYA	TORRANCE	2208	09	46	4179617	4044869	4179603	4042322	73	ABALONE	TORRANCE	2241	01	6	4193703	4051003	4193683	4048058
34	234TH	TORRANCE	1092	03	46	4179241	4044769	4181234	4044693	74	ALBERTA	TORRANCE	2246	01	6	4194121	4047140	4194107	4045755
35	234TH	TORRANCE	2144	01	46	4178463	4044388	4179339	4044436	75									
36	238TH	TORRANCE	2145	01	46	4178469	4043693	4179641	4043247	76									
37	238TH	TORRANCE	2145	02	46	4180632	4042888	4181156	4042795	77									
38	238TH	TORRANCE	2145	03	46	4181600	4042759	4181827	4042719	78									
39	SKYPARK	TORRANCE	2156	01	46	4181626	4043637	4182669	4043524	79									
40	236TH	TORRANCE	2157	01	46	4179561	4043667	4180234	4043619	80									

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TIME OF ENTRY - 19:20:04 DATE OF LAST UPDATE : 13-MAY-77 OPERATOR NAME - HAYS/PHELPS

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CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21068 LOWER RIGHT = 2603 LOWER LEFT = 2776 UPPER LEFT = 21204

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WALNUT	TORRANCE	1983	02	46	4193679	4045849	4193605	4040219	41	HICKORY	TORRANCE	2231	01	6	4186681	4053818	4186755	4052678
2	WALNUT	TORRANCE	1983	03	46	4193607	4040221	4193457	4034883	42	HICKORY	TORRANCE	2231	02	6	4186759	4052672	4186715	4050200
3	CABRILLO	TORRANCE	2242	01	46	4192883	4052447	4192921	4048275	43	CERISE	TORRANCE	2233	01	6	4187108	4047512	4187097	4046183
4	CABRILLO	TORRANCE	2242	02	46	4192915	4048267	4192344	4046476	44	JUNIPER	TORRANCE	2230	01	6	4186121	4047514	4186049	4044940
5	CABRILLO	TORRANCE	2242	03	46	4192340	4046478	4192795	4045430	45	AINSWORTH	TORRANCE	1926	02	6	4185401	4066917	4185359	4064992
6	CABRILLO	TORRANCE	2242	04	46	4192801	4045412	4192721	4042271	46	DOTY	TORRANCE	1925	08	6	4185196	4064598	4185202	4063372
7	ESHELMAN	TORRANCE	2244	01	46	4192747	4042265	4192635	4032694	47	DOTY	TORRANCE	1925	09	6	4185194	4062586	4185208	4062062
8	VAN NESS	TORRANCE	1908	06	46	4191986	4066833	4191908	4056416	48	DOTY	TORRANCE	1925	10	6	4185210	4061749	4185204	4060707
9	VAN NESS	TORRANCE	1908	07	46	4191906	4056416	4191566	4055844	49	GERKIN	TORRANCE	2111	01	6	4184450	4060797	4184430	4057942
0	VAN NESS	TORRANCE	1908	08	46	4191558	4055840	4191566	4053895	50	MAPLE	TORRANCE	2026	02	6	4185072	4056796	4185084	4048331
1	ARLINGTON	TORRANCE	1907	02	46	4191868	4051164	4191852	4048544	51	MAPLE	TORRANCE	2026	03	6	4185084	4048329	4184958	4047187
2	ARLINGTON	TORRANCE	1907	03	46	4191856	4048526	4191480	4047403	52	MAPLE	TORRANCE	2026	04	6	4184958	4047185	4184652	4046536
3	ARLINGTON	TORRANCE	1907	04	46	4191514	4047395	4191148	4046797	53	MAPLE	TORRANCE	2026	05	6	4184650	4046534	4184814	4045677
4	ARLINGTON	TORRANCE	1907	05	46	4191152	4046797	4191104	4041986	54	PRAIRIE	TORRANCE	1929	05	6	4183872	4066889	4184044	4066542
5	ARLINGTON	TORRANCE	1907	06	46	4191634	4053931	4191020	4053353	55	PRAIRIE	TORRANCE	1929	06	6	4184064	4066532	4184004	4060731
6	ARLINGTON	TORRANCE	1907	07	46	4191022	4053351	4191054	4052017	56	MADRONA	TORRANCE	2215	01	6	4183471	4057216	4183686	4056635
7	NARBONNE	TORRANCE	2234	01	46	4191094	4042022	4191008	4034082	57	MADRONA	TORRANCE	2215	02	6	4183692	4056633	4183604	4048592
8	CASIMIR	TORRANCE	1913	03	46	4190609	4066821	4190591	4065375	58	MADRONA	TORRANCE	2215	03	6	4183726	4048287	4183664	4046484
9	CASIMIR	TORRANCE	1913	04	46	4190631	4065014	4190595	4063355	59	BAILEY	TORRANCE	2203	01	6	4183063	4063902	4183023	4062084
0	COTA	TORRANCE	2238	01	46	4190399	4054370	4190389	4050857	60	AMIE	TORRANCE	2112	01	6	4182479	4052357	4182489	4053228
1	MADRID	TORRANCE	2237	01	46	4189645	4054435	4189693	4050889	61	AMIE	TORRANCE	2112	02	6	4182271	4053196	4182307	4055925
2	VINE	TORRANCE	2240	01	46	4189923	4049730	4189915	4048237	62	AMIE	TORRANCE	2112	03	6	4182759	4064126	4182735	4065775
3	VINE	TORRANCE	2240	02	46	4189915	4047901	4189897	4047082	63	ROSLIN	TORRANCE	2204	01	6	4182069	4063448	4182063	4062080
4	CYPRESS	TORRANCE	2236	01	46	4190289	4040846	4190229	4034041	64	MADISON	TORRANCE	2113	01	6	4182583	4057230	4182587	4055902
5	PENNSYLVIA	TORRANCE	2235	01	46	4189521	4047315	4189427	4038318	65	MADISON	TORRANCE	2113	02	6	4182757	4048733	4182717	4044725
6	PENNSYLVIA	TORRANCE	2235	02	46	4189425	4038302	4189405	4034642	66	WARD	TORRANCE	2214	01	6	4182425	4050907	4182375	4048710
7	CRENSHAW	TORRANCE	1915	07	46	4189311	4066853	4189267	4061546	67	FLOWER	TORRANCE	1986	06	6	4181422	4066903	4181292	4061181
8	CRENSHAW	TORRANCE	1915	08	46	4189267	4061546	4188566	4060209	68	FLOWER	TORRANCE	1986	07	6	4181298	4061181	4180940	4060647
9	CRENSHAW	TORRANCE	1915	09	46	4188570	4060209	4188558	4049556	69	FLOWER	TORRANCE	1986	08	6	4180936	4060651	4180970	4053248
0	CRENSHAW	TORRANCE	1915	10	46	4188574	4049548	4188640	4046909	70	FLOWER	TORRANCE	1986	09	6	4180966	4053246	4181702	4048146
1	CRENSHAW	TORRANCE	1915	11	46	4188640	4046909	4188626	4040095	71	FLOWER	TORRANCE	1986	10	6	4181694	4048142	4181624	4039306
2	CRENSHAW	TORRANCE	1915	12	46	4188620	4040097	4188444	4037760	72	FIRMONA	TORRANCE	1981	04	6	4179883	4066943	4179875	4065315
3	CRENSHAW	TORRANCE	1915	13	46	4188446	4037750	4185927	4035919	73									
4	FALDA	TORRANCE	2201	01	46	4188124	4066879	4188150	4065365	74									
5	FALDA	TORRANCE	2201	02	46	4188104	4064805	4188106	4063592	75									
6	FALDA	TORRANCE	2201	03	46	4188228	4063233	4188256	4060687	76									
7	ELM	TORRANCE	2226	01	46	4187822	4053854	4187844	4050196	77									
8	ELM	TORRANCE	2226	02	46	4187396	4045337	4187043	4044398	78									
9	ERIEL	TORRANCE	2232	01	46	4188044	4047638	4187820	4045992	79									
0	YUKON	TORRANCE	1924	07	46	4186685	4066873	4186675	4060687	80									

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TIME OF ENTRY - 19:40:04 DATE OF LAST UPDATE 13-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20891 LOWER RIGHT = 20751 LOWER LEFT = 1062 UPPER LEFT = 1214
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21068 LOWER RIGHT = 2603 LOWER LEFT = 2776 UPPER LEFT = 21204

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[illegible]

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TIME OF ENTRY - 20:15:04 DATE OF LAST UPDATE 13-MAY-77 OPERATOR NAME - HAYS/PHELPS

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TIME OF ENTRY - 20:15:04 DATE OF LAST UPDATE 15-MAY-77 OPERATOR NAME NATS-PRINCE
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MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20891 LOWER RIGHT = 20751 LOWER LEFT = 1062 UPPER LEFT = 1214
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 21068 LOWER RIGHT = 2603 LOWER LEFT = 2776 UPPER LEFT = 21204

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	COLLADO	RLLNG	HLS	2158	01	44	4174074	4042958	4175379	4042942	41	CRENSHAW	RLLNG	HLS	1915	16	4	4183143	4034158	4181680	4033754
2	BOLSA	RLLNG	HLS	1049	03	44	4181404	4039334	4179559	4041545	42	CRENSHAW	RLLNG	HLS	1915	17	4	4181686	4033746	4181196	4033232
3	BOLSA	RLLNG	HLS	1049	04	44	4179603	4041498	4178479	4041960	43	BRND IRON	RLLNG	HLS	2180	01	4	4181843	4032662	4182267	4033248
4	BOLSA	RLLNG	HLS	1049	05	44	4178487	4041938	4176526	4043036	44	DOBBIN	RLLNG	HLS	2179	01	4	4182863	4031736	4183183	4032303
5	BOLSA	RLLNG	HLS	1049	06	44	4176528	4043034	4175739	4044372	45	PALIMINO	RLLNG	HLS	2178	01	4	4184054	4031642	4184606	4031044
6	RECARDO	RLLNG	HLS	2189	01	44	4174595	4042203	4175647	4042217	46	PONY	RLLNG	HLS	2177	01	4	4184326	4030847	4185325	4031429
7	RECARDO	RLLNG	HLS	2189	02	44	4175649	4042215	4175921	4042579	47	ROANWOOD	RLLNG	HLS	2181	01	4	4180082	4034162	4180896	4034477
8	MONTANA	RLLNG	HLS	2159	01	44	4177318	4041715	4179273	4041474	48	TANDEM	RLLNG	HLS	2196	01	4	4184120	4037503	4184498	4038643
9	ANYA	RLLNG	HLS	2208	10	44	4179661	4042344	4179263	4041528	49	E SADDLE	RLLNG	HLS	2183	01	4	4184514	4033005	4185479	4032738
10	242ND	RLLNG	HLS	1095	02	44	4179661	4041237	4182303	4041053	50	P D ARENA	RLLNG	HLS	2190	01	4	4174536	4040561	4174619	4042978
11	ARBOLES	RLLNG	HLS	2155	01	44	4174092	4041318	4176227	4041259	51	NAVAJO	RLLNG	HLS	2191	01	4	4175739	4039842	4176089	4041014
12	ARBOLES	RLLNG	HLS	2155	02	44	4176231	4041251	4176944	4042087	52	ALCANA	RLLNG	HLS	2192	01	4	4177720	4038708	4177968	4040430
13	SOLANO	RLLNG	HLS	2160	01	44	4177322	4040968	4178365	4040946	53	COLORIN	RLLNG	HLS	2193	01	4	4178513	4039244	4178739	4040250
14	SOLANO	RLLNG	HLS	2160	02	44	4178301	4040932	4179487	4039740	54	SOLANO	RLLNG	HLS	2160	03	4	4179563	4039713	4179149	4039087
15	244TH	RLLNG	HLS	2154	01	44	4180594	4040310	4182687	4040089	55	HAMPSHIRE	RLLNG	HLS	2194	01	4	4178765	4038280	4178953	4038742
16	PALOS VDS	RLLNG	HLS	1116	03	44	4174072	4040551	4176718	4039995	56	HAWTHORNE	RLLNG	HLS	1984	11	4	4181610	4039199	4182253	4037718
17	PALOS VDS	RLLNG	HLS	1116	04	44	4176760	4039968	4177208	4039213	57	HAWTHORNE	RLLNG	HLS	1984	12	4	4182261	4037718	4181891	4036999
18	GAVILAN	RLLNG	HLS	2161	01	44	4177958	4040342	4178723	4040189	58	HAWTHORNE	RLLNG	HLS	1984	13	4	4181903	4036995	4179481	4035099
19	PASO CMPO	RLLNG	HLS	2115	01	44	4174064	4040229	4176185	4039368	59	MADISON	RLLNG	HLS	2113	03	4	4182609	4037892	4182649	4040874
20	PASO CMPO	RLLNG	HLS	2115	02	44	4176181	4039366	4176339	4037949	60										
21	VALMONTE	RLLNG	HLS	2033	01	44	4177192	4039183	4179743	4038661	61										
22	VALMONTE	RLLNG	HLS	2033	02	44	4179747	4038649	4180362	4039205	62										
23	VALMONTE	RLLNG	HLS	2033	03	44	4180370	4039201	4181638	4039049	63										
24	VALMONTE	RLLNG	HLS	2033	04	44	4177212	4039157	4176109	4039336	64										
25	NEWTON	RLLNG	HLS	2149	01	44	4181306	4039354	4182849	4039185	65										
26	NEWTON	RLLNG	HLS	2149	02	44	4182845	4039175	4185461	4037904	66										
27	WINLOCK	RLLNG	HLS	2148	01	44	4182881	4038252	4185030	4037151	67										
28	WINLOCK	RLLNG	HLS	2148	02	44	4185030	4037159	4185731	4036670	68										
29	PAVION	RLLNG	HLS	2195	01	44	4178761	4038284	4179567	4038113	69										
30	FERNCREEK	RLLNG	HLS	2171	01	44	4177696	4037637	4178303	4037499	70										
31	SUGARHILL	RLLNG	HLS	2172	01	44	4178347	4037625	4179857	4037513	71										
32	NEARCLIFF	RLLNG	HLS	2188	01	44	4185981	4035367	4186725	4035365	72										
33	NEARCLIFF	RLLNG	HLS	2188	02	44	4186741	4035350	4187386	4034999	73										
34	LOFTYVIEW	RLLNG	HLS	2150	01	44	4185238	4034236	4186659	4032778	74										
35	CREST	RLLNG	HLS	2151	01	44	4185933	4035854	4186741	4034202	75										
36	DELDS	RLLNG	HLS	2184	01	44	4186747	4032792	4186893	4034186	76										
37	HIGHCROSS	RLLNG	HLS	2185	01	44	4185437	4034086	4186435	4034744	77										
38	ROLLING H	RLLNG	HLS	2198	01	44	4185667	4035820	4186203	4037095	78										
39	CRENSHAW	RLLNG	HLS	1915	14	44	4185959	4035872	4185457	4035832	79										
40	CRENSHAW	RLLNG	HLS	1915	15	44	4185451	4035842	4183139	4034148	80										

PAGE 8

TIME OF ENTRY - 18:30:05 DATE OF LAST UPDATE 13-MAY-77 OPERATOR NAME - HAYS/PHELPS

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1	0.3S	SPVD	LA COUNTY	3026	01	02	4199438	4041657	4200489	4041647	41	0.4N	CRSH	RLLNG	HLS	2995	01	4	4186212	4038335	4185498	4037567
2	0.6S	SPVD	LA COUNTY	3027	01	02	4199628	4040136	4200395	4040134	42	0.6N	CRSH	RLLNG	HLS	2996	01	4	4184900	4039429	4184372	4038717
3	0.3S	SPVD	LA COUNTY	2975	01	02	4197074	4042805	4198128	4042797	43	0.8N	CRSH	RLLNG	HLS	2997	01	4	4184022	4040272	4183239	4039481
4	0.3W	NRMD	L ANGELES	2971	01	01	4195891	4044321	4196459	4045364	44	0.4S	LMTA	TORRANCE		2998	01	6	4188049	4039096	4189105	4039020
5	0.3E	WSTR	L ANGELES	2939	01	01	4196091	4060244	4196045	4061693	45	0.2S	LMTA	TORRANCE		2999	01	6	4189143	4040405	4188165	4040439
6	0.2N	FRNS	L ANGELES	2940	01	01	4198778	4059144	4199646	4059130	46	0.2S	PFCT	RLLNG	HLS	3000	01	4	4190454	4034747	4191434	4034733
7	0.2E	NRMD	L ANGELES	2941	01	01	4198816	4060262	4198808	4061687	47	0.3S	PFCT	RLLNG	HLS	3001	01	4	4189159	4034524	4189942	4033817
8	0.3W	PRAR	TORRANCE	2931	01	46	4182623	4060404	4182621	4061225	48	0.2W	PENN	RLLNG	HLS	3002	01	4	4188257	4036308	4188187	4035282
9	0.3S	190	TORRANCE	2932	01	46	4184432	4057987	4184482	4060797	49	0.4N	PLVN	RLLNG	HLS	3003	01	4	4189807	4032402	4190470	4031559
10	0.3E	YUKN	TORRANCE	2933	01	46	4187769	4063019	4188231	4064089	50	0.6W	WSTR	RLLNG	HLS	3004	01	4	4191472	4030809	4191792	4030116
11	0.2E	MAPL	TORRANCE	2934	01	46	4186290	4055151	4186280	4054298	51	0.3W	WSTR	RLLNG	HLS	3005	01	4	4193161	4030931	4192812	4031615
12	0.2N	MRCP	TORRANCE	2935	01	46	4188135	4055153	4189205	4055161	52	0.4S	PFCT	RLLNG	HLS	3006	01	4	4190742	4033572	4191678	4033596
13	0.2E	CRSH	TORRANCE	2936	01	46	4189928	4057070	4189926	4056101	53	0.2W	NRBN	RLLNG	HLS	3007	01	4	4190100	4033584	4190054	4032645
14	0.2W	VNSS	TORRANCE	2937	01	46	4190808	4061087	4190850	4060252	54											
15	0.3W	CRSH	TORRANCE	2938	01	46	4190852	4062724	4190852	4062050	55											
16	0.2S	190	TORRANCE	2928	01	46	4188033	4059413	4194897	4059415	56											
17	0.5S	190	TORRANCE	2929	01	46	4194975	4057979	4188143	4057993	57											
18	0.2W	WSTR	TORRANCE	2930	01	46	4193159	4056107	4193231	4061897	58											
19	0.2W	CRSH	TORRANCE	2972	01	46	4187635	4047450	4187795	4048136	59											
20	0.4W	CRSH	TORRANCE	2973	01	46	4186520	4048536	4186330	4047663	60											
21	0.2N	SPVD	TORRANCE	2974	01	46	4181005	4049867	4181883	4049864	61											
22	0.2W	CRSH	TORRANCE	2976	01	46	4187389	4041792	4187793	4042671	62											
23	0.4W	CRSH	TORRANCE	2977	01	46	4186653	4043442	4186178	4042398	63											
24	0.8W	CRSH	TORRANCE	2978	01	46	4185376	4044068	4184982	4043080	64											
25	1.0W	CRSH	TORRANCE	2979	01	46	4184112	4044626	4183760	4043572	65											
26	0.2W	CLMY	RLLNG	HLS	2980	01	44	4174953	4044708	4175519	4045218	66										
27	0.2E	CLMY	RLLNG	HLS	2981	01	44	4176037	4043080	4177376	4043853	67										
28	0.4E	CLMY	RLLNG	HLS	2982	01	44	4177218	4041976	4177778	4042918	68										
29	0.5E	CLMY	RLLNG	HLS	2983	01	44	4178018	4042657	4178430	4043462	69										
30	0.2S	VVLM	RLLNG	HLS	2984	01	44	4176469	4038223	4177456	4037811	70										
31	0.4S	VVLM	RLLNG	HLS	2985	01	44	4176928	4036577	4177592	4037298	71										
32	0.2N	PLVN	RLLNG	HLS	2986	01	44	4180261	4036447	4180883	4035483	72										
33	0.6N	PLVN	RLLNG	HLS	2987	01	44	4181485	4037352	4182379	4036605	73										
34	0.2S	NWTN	RLLNG	HLS	2988	01	44	4181601	4038080	4182419	4038408	74										
35	0.3N	PLVN	RLLNG	HLS	2989	01	44	4182659	4034534	4182951	4033165	75										
36	0.6N	PLVN	RLLNG	HLS	2990	01	44	4183438	4035086	4184356	4033966	76										
37	0.2W	RLHL	RLLNG	HLS	2991	01	44	4184308	4029859	4184922	4030594	77										
38	0.3N	PLVN	RLLNG	HLS	2992	01	44	4189021	4031268	4190008	4030746	78										
39	0.4N	PFCT	TORRANCE	2993	01	46	4187969	4038064	4188645	4037302	79											
40	0.2N	CRSH	RLLNG	HLS	2994	01	44	4186190	4037039	4186793	4037703	80										

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TIME OF ENTRY - 19:45:00 DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4136000 UPPER LEFT = 4136000

MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4066000 UPPER LEFT = 4105000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4105000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4105000

CURSOR X-COORDINATE DATA = UPPER RIGHT = 20699 LOWER RIGHT = 20815 LOWER LEFT = 1369 UPPER LEFT = 1282

CURSOR	Y	COORDINATE	DATA	UPPER	RIGHT	20000	LOWER	RIGHT	20000	LOWER	LEFT	873	UPPER	LEFT	20306
CURSOR	X	COORDINATE	DATA	UPPER	RIGHT	20404	LOWER	RIGHT	951	LOWER	LEFT	873	UPPER	LEFT	20306

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	LNGFELLOW	MNHTAN	BH	2019	01	40	4164629	4067079	4166195	4067754	41	HIGHLAND	MNHTAN	BH	2083	01	0	4163265	4071563	4161841	4074958
2	LNGFELLOW	MNHTAN	BH	2019	02	40	4166195	4067752	4168634	4067691	42	HIGHLAND	MNHTAN	BH	2083	02	0	4161865	4074928	4160672	4077953
3	VDORHEES	MNHTAN	BH	1989	01	40	4170535	4067695	4174039	4067641	43	PACIFIC	MNHTAN	BH	2099	01	0	4165664	4069556	4165678	4071657
4	2ND	MNHTAN	BH	2018	01	40	4164130	4068215	4166029	4068962	44	POINSETTA	MNHTAN	BH	2095	01	0	4166610	4067712	4166548	4074748
5	2ND	MNHTAN	BH	2018	02	40	4166029	4068960	4172771	4068960	45	POINSETTA	MNHTAN	BH	2095	02	0	4166444	4074932	4166448	4076861
6	GRAHAM	MNHTAN	BH	1869	02	40	4172788	4068964	4174055	4068922	46	SEPULVEDA	MNHTAN	BH	1021	06	0	4167910	4067019	4167818	4077463
7	8TH	MNHTAN	BH	2025	01	40	4163494	4069598	4164982	4070186	47	MEADOWS	MNHTAN	BH	2032	01	0	4169266	4067059	4169224	4074246
8	8TH	MNHTAN	BH	2017	01	40	4165100	4070286	4173187	4070276	48	PECK	MNHTAN	BH	2030	01	0	4170557	4067071	4170547	4074250
9	FARREL	MNHTAN	BH	1870	02	40	4173199	4070280	4174071	4070272	49	REDONDO	MNHTAN	BH	2028	01	0	4171925	4067043	4171871	4074260
10	MANHATTAN	MNHTAN	BH	1865	03	40	4163129	4070539	4165692	4071611	50	REDONDO	MNHTAN	BH	2028	02	0	4171747	4075695	4171817	4078051
11	MANHATTAN	MNHTAN	BH	1865	04	40	4165692	4071609	4174113	4071609	51	AVIATION	MNHTAN	BH	2027	01	0	4172800	4067057	4172779	4068940
12	17TH	MNHTAN	BH	2016	01	40	4162529	4071733	4163506	4072171	52	AVIATION	MNHTAN	BH	2027	02	0	4172765	4068938	4173221	4069726
13	17TH	MNHTAN	BH	2016	02	40	4163758	4072243	4164922	4072761	53	AVIATION	MNHTAN	BH	2027	03	0	4173223	4069730	4173177	4080578
14	17TH	MNHTAN	BH	2016	03	40	4165351	4072656	4167894	4072656	54	41ST	EL SGUNDO	2022	01	3	4160193	4077300	4161256	4077770	
15	19TH	MNHTAN	BH	2015	01	40	4163732	4072873	4164854	4073379	55	41ST	EL SGUNDO	2022	02	3	4161605	4077890	4162206	4078103	
16	19TH	MNHTAN	BH	2015	02	40	4164844	4073377	4167882	4073419	56	45TH	BS.AX8CTF	2021	01	3	4159792	4078085	4160770	4078422	
17	19TH	MNHTAN	BH	2015	03	40	4169178	4073226	4173225	4073291	57	VSTA DMAR	EL SGUNDO	2082	01	3	4160580	4077949	4160106	4078625	
18	18TH	MNHTAN	BH	2024	01	40	4167850	4073092	4168955	4073118	58	VSTA DMAR	EL SGUNDO	2082	02	3	4160104	4078627	4159414	4080220	
19	SPACE PRK	MNHTAN	BH	1872	02	40	4173199	4073026	4174057	4072980	59	VSTA DMAR	EL SGUNDO	2082	03	3	4159412	4080225	4158909	4080656	
20	25TH	MNHTAN	BH	2014	01	40	4161725	4073359	4163819	4074212	60	VSTA DMAR	EL SGUNDO	2082	04	3	4158913	4080654	4156661	4085645	
21	25TH	MNHTAN	BH	2014	02	40	4163819	4074210	4165325	4074222	61	0.3N 45TH	EL SGUNDO	2458	01	3	4159216	4079586	4159942	4079907	
22	30TH	MNHTAN	BH	2023	01	40	4161163	4074696	4162738	4075261	62	0.3S GRND	EL SGUNDO	2457	01	3	4158512	4080487	4159310	4080821	
23	31ST	MNHTAN	BH	2012	01	40	4163051	4075522	4166795	4075569	63	GRAND	EL SGUNDO	2002	01	3	4158265	4082011	4159890	4083014	
24	MARINE	MNHTAN	BH	2013	01	40	4165586	4074214	4174049	4074254	64	GRAND	EL SGUNDO	2002	02	3	4159890	4083012	4162443	4083175	
25	33RD	MNHTAN	BH	2034	01	40	4171727	4075723	4173233	4075687	65	GRAND	EL SGUNDO	2002	03	3	4162445	4083183	4167882	4083233	
26	ROSECRANS	MNHTAN	BH	0500	19	40	4162052	4076823	4173177	4076899	66	GRAND	EL SGUNDO	2002	04	3	4167982	4083235	4169607	4083181	
27	ROSECRANS	MNHTAN	BH	0500	20	40	4173175	4076897	4174051	4076865	67	GRAND	EL SGUNDO	2002	05	3	4169605	4083177	4171017	4083407	
28	ROSECRANS	MNHTAN	BH	0500	21	40	4162084	4076823	4160594	4076297	68	LSEGUENDO	EL SGUNDO	0502	07	3	4160331	4082063	4167860	4082111	
29	GRANDVIEW	MNHTAN	BH	2098	01	40	4163488	4073210	4163185	4074037	69	LSEGUENDO	BS.AX8CTF	0502	08	3	4167860	4082111	4174001	4082149	
30	GRANDVIEW	MNHTAN	BH	2098	02	40	4163083	4074354	4162102	4076855	70	0.3S ELSG	EL SGUNDO	2453	01	3	4167391	4080843	4168389	4080746	
31	BLANCHE	MNHTAN	BH	2097	01	40	4163730	4074180	4163738	4076831	71	0.5S ELSG	EL SGUNDO	2452	01	3	4167419	4079554	4168421	4079542	
32	VAL \$ ARD	MNHTAN	BH	2011	01	40	4166438	4067007	4165916	4068974	72	0.8S ELSG	EL SGUNDO	2451	01	3	4167439	4070196	4168367	4078149	
33	VAL \$ ARD	MNHTAN	BH	2011	02	40	4165916	4068972	4164410	4070834	73	0.2E SPVD	EL SGUNDO	2450	01	3	4169129	4076355	4169133	4077196	
34	VAL \$ ARD	MNHTAN	BH	2011	03	40	4164412	4070834	4163522	4072823	74	NASH	EL SGUNDO	2031	01	3	4170148	4076847	4170138	4077957	
35	VAL \$ ARD	MNHTAN	BH	2011	04	40	4163550	4072733	4165289	4074222	75										
36	VAL \$ ARD	MNHTAN	BH	2011	05	40	4165287	4074222	4166370	4074467	76										
37	VAL \$ ARD	MNHTAN	BH	2011	06	40	4166370	4074473	4167497	4075827	77										
38	VAL \$ ARD	MNHTAN	BH	2011	07	40	4167497	4075827	4167912	4075829	78										
39	MANHATTAN	MNHTAN	BH	2084	01	40	4165002	4066983	4163051	4071490	79										
40	LAUREL	MNHTAN	BH	2096	01	40	4165369	4071719	4165315	4076873	80										


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TIME OF ENTRY - 20:15:31  DATE OF LAST UPDATE  12-MAY-77  OPERATOR NAME - HAYS/PHELPS
MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4136000 UPPER LEFT = 4136000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4105000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4105000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20699 LOWER RIGHT = 20815 LOWER LEFT = 1369 UPPER LEFT = 1282
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20404 LOWER RIGHT = 951 LOWER LEFT = 873 UPPER LEFT = 20306

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	PARK	EL SGUNDO	2035	01	33	4170132	4077742	4170995	4078111	41	OAK	EL SGUNDO	2000	02	3	4160124	4085585	4163698	4085593
2	PARK	EL SGUNDO	2035	02	33	4170985	4078109	4171809	4077644	42	OAK	EL SGUNDO	2000	03	3	4165118	4085595	4166975	4085613
3	0.25 ELSG	EL SGUNDO	2454	01	33	4171436	4080929	4172118	4080921	43	MARIPOSA	EL SGUNDO	2001	01	3	4158805	4084692	4170469	4084738
4	DOUGLAS	EL SGUNDO	2029	01	33	4171438	4078603	4171789	4079450	44	MARIPOSA	EL SGUNDO	2001	02	3	4170471	4084738	4171829	4084752
5	DOUGLAS	EL SGUNDO	2029	02	33	4171793	4079442	4171749	4087429	45	0.2N GRND	EL SGUNDO	2459	01	3	4157246	4082872	4158219	4083235
6	UTAH	EL SGUNDO	2007	01	33	4171777	4079638	4173185	4079665	46	0.4N GRND	EL SGUNDO	2460	01	3	4156966	4083714	4157836	4084122
7	135TH	EL SGUNDO	0501	04	33	4173177	4079663	4174011	4079640	47	0.6N GRND	EL SGUNDO	2461	01	3	4156520	4084750	4157469	4085157
8	AVIATION	EL SGUNDO	2027	04	33	4173155	4079628	4173195	4090664	48	0.9N GRND	EL SGUNDO	2462	01	3	4156039	4085928	4156986	4086283
9	WISEBURN	EL SGUNDO	2010	01	33	4174021	4080955	4173297	4080522	49	IMPERIAL	EL SGUNDO	0504	22	3	4158711	4087510	4166472	4087518
10	WISEBURN	EL SGUNDO	2010	02	33	4173297	4080524	4173307	4079610	50	IMPERIAL	EL SGUNDO	0504	23	3	4166472	4087520	4167824	4087387
11	ALASKA	EL SGUNDO	2008	01	33	4173227	4078968	4171610	4079022	51	IMPERIAL	EL SGUNDO	0504	24	3	4167820	4087387	4173977	4087439
12	HAWAII	EL SGUNDO	2009	01	33	4172186	4079014	4172545	4078232	52	0.3E VDMR	EL SGUNDO	2463	01	3	4157477	4086984	4157437	4087951
13	HAWAII	EL SGUNDO	2009	02	33	4172545	4078232	4173223	4077890	53	0.2E SHLD	EL SGUNDO	2464	01	3	4164450	4087124	4164424	4088063
14	124TH	EL SGUNDO	0710	05	33	4173169	4083666	4173997	4083664	54	0.5E SHLD	EL SGUNDO	2465	01	3	4165814	4087012	4165776	4088053
15	120TH	EL SGUNDO	0503	03	33	4172900	4084772	4173967	4084740	55	VSTA DMAR	L ANGELES	2082	05	1	4156651	4085653	4152265	4095354
16	118TH	EL SGUNDO	0537	12	33	4173167	4086177	4173977	4086173	56	VSTA DMAR	L ANGELES	2082	06	1	4152295	4095344	4152070	4096370
17	0.3N ELSG	EL SGUNDO	2455	01	33	4171414	4083538	4172274	4083538	57	VSTA DMAR	L ANGELES	2082	07	1	4152072	4096374	4151773	4096948
18	0.3N MRPS	EL SGUNDO	2456	01	33	4171323	4086153	4172232	4086141	58	VSTA DMAR	L ANGELES	2082	08	1	4151777	4096946	4151815	4097506
19	NASH	EL SGUNDO	2031	02	33	4170531	4082123	4170449	4088088	59	CULVER	L ANGELES	1991	01	1	4151635	4097317	4152927	4098572
20	CNTINENTL	EL SGUNDO	2036	01	33	4169422	4082131	4169414	4083245	60	REES	L ANGELES	1990	01	1	4152102	4096781	4153123	4097608
21	LAIRPORT	EL SGUNDO	2037	01	33	4168865	4084712	4168855	4085946	61	MNCHESTER	L ANGELES	0507	12	1	4152106	4096129	4152957	4096177
22	MAPLE	EL SGUNDO	2026	01	33	4167752	4085958	4170457	4085978	62	MNCHESTER	L ANGELES	0507	13	1	4152953	4096173	4153610	4096663
23	SEPULVEDA	MAYWOOD	1021	07	23	4167794	4077455	4167872	4079877	63	MNCHESTER	L ANGELES	0507	09	1	4153630	4096573	4155843	4097803
24	SEPULVEDA	EL SGUNDO	1021	08	33	4167876	4079881	4167742	4088774	64	MNCHESTER	L ANGELES	0507	10	1	4155841	4097801	4166448	4097947
25	ILLINOIS	EL SGUNDO	2094	01	33	4167204	4082099	4167188	4082667	65	MNCHESTER	L ANGELES	0507	11	1	4166460	4097949	4174017	4097986
26	WASHINGTON	EL SGUNDO	2093	01	33	4166799	4083191	4166815	4084732	66	MANITOBA	L ANGELES	1993	01	1	4154164	4095664	4155764	4096593
27	CALIFORNA	EL SGUNDO	2092	01	33	4166017	4084676	4166007	4086701	67	WATERVIEW	L ANGELES	1992	01	1	4152277	4095367	4153542	4094909
28	CALIFORNA	EL SGUNDO	2092	02	33	4166019	4086703	4166051	4087435	68	WATERVIEW	L ANGELES	1992	02	1	4153554	4094921	4154619	4095557
29	OREGON	EL SGUNDO	2091	01	33	4165820	4082097	4165832	4083245	69	SANDPIPER	L ANGELES	1994	01	1	4153161	4093432	4154936	4094463
30	MARYLAND	EL SGUNDO	2090	01	33	4164647	4082091	4164623	4084457	70	CENTURY	L ANGELES	0505	12	1	4153524	4092599	4157305	4092635
31	MARYLAND	EL SGUNDO	2090	02	33	4164549	4084670	4164517	4086707	71	CENTURY	L ANGELES	0505	13	1	4167742	4092735	4173959	4092772
32	SHELDON	EL SGUNDO	2089	01	33	4163229	4082109	4163229	4087572	72									
33	MAIN	EL SGUNDO	2088	01	33	4161789	4082061	4161741	4087586	73									
34	VIRGINIA	EL SGUNDO	2087	01	33	4160698	4085930	4160704	4087371	74									
35	WHITING	EL SGUNDO	2086	01	33	4160385	4082053	4160351	4085270	75									
36	HILLCREST	EL SGUNDO	2085	01	33	4159344	4083357	4159354	4085254	76									
37	HILLCREST	EL SGUNDO	2085	02	33	4159021	4085234	4159037	4087544	77									
38	WALNUT	EL SGUNDO	1999	01	33	4159005	4086651	4164073	4086667	78									
39	WALNUT	EL SGUNDO	1999	02	33	4164478	4086673	4167766	4086709	79									
40	OAK	EL SGUNDO	2000	01	33	4158620	4085565	4159888	4085577	80									

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TIME OF ENTRY - 21:00:04 : DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4165000 UPPER LEFT = 4165000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4105000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4105000
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CURSOR X-COORDINATE DATA - UPPER RIGHT = 20699 LOWER RIGHT = 20815 LOWER LEFT = 1369 UPPER LEFT = 1282

CURSOR X-COORDINATE DATA - UPPER RIGHT = 20899 LOWER RIGHT = 28813 LOWER LEFT = 1005 UPPER LEFT = 1005
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20404 LOWER RIGHT = 951 LOWER LEFT = 873 UPPER LEFT = 20306

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	PERSHING	L ANGELES	2079	01	01	4152852	4098026	4155889	4092597	41	AIRPORT	L ANGELES	2060	04	1	4169811	4102577	4169819	4103161
2	PERSHING	L ANGELES	2079	02	01	4157311	4092661	4158368	4091531	42	BELFORD	L ANGELES	2041	01	1	4171452	4096581	4171478	4099332
3	PERSHING	L ANGELES	2079	03	01	4158368	4091535	4159529	4089278	43	READING	L ANGELES	2042	01	1	4172049	4099282	4172023	4099980
4	PERSHING	L ANGELES	2079	04	01	4159567	4089229	4160253	4088280	44	READING	L ANGELES	2042	02	1	4172021	4099980	4172655	4100647
5	PERSHING	L ANGELES	2079	05	01	4160251	4088278	4161833	4087536	45	BALLANCA	L ANGELES	2039	01	1	4172695	4092776	4172705	4094114
6	0.3N WWAY	L ANGELES	2466	01	01	4157387	4091893	4158141	4092597	46	BALLANCA	L ANGELES	2039	02	1	4172751	4094532	4172727	4095391
7	0.6S WWAY	L ANGELES	2467	01	01	4158602	4090231	4159354	4090610	47	BALLANCA	L ANGELES	2039	03	1	4172539	4095397	4172527	4099346
8	0.4S WWAY	L ANGELES	2468	01	01	4159108	4089055	4159781	4089539	48	OSAGE	L ANGELES	2040	01	1	4173036	4099320	4173036	4102194
9	0.1S WWAY	L ANGELES	2469	01	01	4160088	4087879	4160501	4088659	49	0.3N 74TH	L ANGELES	2477	01	1	4168010	4104460	4168768	4104530
10	SARAN	L ANGELES	2076	01	01	4158542	4091156	4163634	4091780	50	0.3E SPVD	L ANGELES	2478	01	1	4169675	4105144	4169218	4104343
11	0.3E PERS	L ANGELES	2470	01	01	4159946	4092021	4160070	4090867	51	0.5E SPVD	L ANGELES	2479	01	1	4170309	4103402	4170900	4104398
12	0.5E PERS	L ANGELES	2471	01	01	4161400	4091076	4161244	4092085	52	0.9E SPVD	L ANGELES	2480	01	1	4172334	4103525	4171843	4102668
13	0.8E PERS	L ANGELES	2472	01	01	4162998	4091311	4162880	4092180	53	NANCY	L ANGELES	1998	01	1	4166251	4104982	4166610	4104351
14	WORLD WAY	L ANGELES	2078	01	01	4164138	4092408	4167084	4092689	54	NANCY	L ANGELES	1998	02	1	4166616	4104347	4167377	4104157
15	WORLD WAY	L ANGELES	2078	02	01	4167084	4092689	4167431	4092332	55	FIREBRAND	L ANGELES	1997	01	1	4164631	4103436	4165429	4103230
16	WORLD WAY	L ANGELES	2078	03	01	4167441	4092334	4167174	4091999	56	MCCONNELL	L ANGELES	2049	05	1	4162523	4102856	4163059	4103121
17	WORLD WAY	L ANGELES	2078	04	01	4167174	4092001	4164238	4091535	57	MCCONNELL	L ANGELES	2049	06	1	4163059	4103119	4163901	4102808
18	WORLD WAY	L ANGELES	2078	05	01	4164234	4091533	4164158	4092392	58	77TH	L ANGELES	1995	01	1	4160102	4100761	4160868	4101072
19	SEPULVEDA	L ANGELES	1021	09	01	4167764	4088752	4167756	4090749	59	77TH	L ANGELES	1995	02	1	4162545	4101744	4164246	4102324
20	SEPULVEDA	L ANGELES	1021	10	01	4167756	4090751	4167705	4100446	60	77TH	L ANGELES	1995	03	1	4164240	4102318	4165106	4102563
21	SEPULVEDA	L ANGELES	1021	11	01	4167705	4100446	4168391	4103412	61	77TH	L ANGELES	1995	04	1	4165106	4102561	4165423	4102842
22	SEPULVEDA	L ANGELES	1021	12	01	4168391	4103416	4168183	4104941	62	77TH	L ANGELES	1995	05	1	4165413	4102826	4166568	4102816
23	0.6N IMPR	L ANGELES	2474	01	01	4167236	4088888	4168347	4088892	63	77TH	L ANGELES	1995	06	1	4172806	4101142	4173526	4101144
24	0.3N IMPR	L ANGELES	2473	01	01	4167252	4090484	4168337	4090478	64	77TH	L ANGELES	1995	07	1	4173526	4101140	4173913	4100918
25	111TH	L ANGELES	0705	12	01	4173169	4088734	4173963	4088734	65	76TH	L ANGELES	1996	01	1	4168099	4102318	4168798	4102158
26	104TH	L ANGELES	1871	04	01	4173155	4091489	4173929	4091499	66	76TH	L ANGELES	1996	02	1	4168796	4102164	4169771	4102595
27	AVIATION	L ANGELES	2027	05	01	4173203	4090656	4173163	4093679	67	76TH	L ANGELES	1996	03	1	4169775	4102595	4171522	4102389
28	AVIATION	L ANGELES	2027	06	01	4173167	4093693	4173542	4094855	68	76TH	L ANGELES	1996	04	1	4171516	4102391	4172204	4101425
29	AVIATION	L ANGELES	2027	07	01	4173542	4094849	4173530	4098134	69									
30	AVIATION	L ANGELES	2027	08	01	4173530	4098142	4173907	4098429	70									
31	VICKSBURG	L ANGELES	2080	01	01	4168429	4092742	4168435	4093936	71									
32	AIRPORT	L ANGELES	2070	01	01	4170814	4092131	4170830	4092756	72									
33	INTERNATL	L ANGELES	2071	01	01	4172190	4092011	4172202	4092804	73									
34	TRUXTON	L ANGELES	2056	01	01	4168572	4097381	4168614	4100679	74									
35	TRUXTON	L ANGELES	2056	02	01	4168608	4100673	4168919	4101819	75									
36	TRUXTON	L ANGELES	2056	03	01	4168917	4101823	4169539	4102218	76									
37	YORKTOWN	L ANGELES	2059	01	01	4169687	4099414	4170000	4101187	77									
38	AIRPORT	L ANGELES	2060	01	01	4170848	4092754	4171033	4099858	78									
39	AIRPORT	L ANGELES	2060	02	01	4171035	4099856	4170545	4101526	79									
40	AIRPORT	L ANGELES	2060	03	01	4170545	4101524	4169811	4102579	80									

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TIME OF ENTRY - 21:25:05    DATE OF LAST UPDATE    12-MAY-77    OPERATOR NAME - HAYS/PHELPS
MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4136000 UPPER LEFT = 4136000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4105000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4105000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20699 LOWER RIGHT = 20815 LOWER LEFT = 1369 UPPER LEFT = 1282
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20404 LOWER RIGHT = 951 LOWER LEFT = 873 UPPER LEFT = 20306

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	80TH	L ANGELES	0522	07	01	4156067	4098758	4156926	4099336	41	GULANA	L ANGELES	2074	02	1	4156551	4096828	4155885	4097857
2	80TH	L ANGELES	0522	08	01	4156938	4099340	4158829	4099346	42	94TH	L ANGELES	2067	01	1	4159687	4095547	4159988	4095226
3	80TH	L ANGELES	0522	09	01	4159888	4099655	4160518	4100095	43	94TH	L ANGELES	2067	02	1	4159988	4095226	4161895	4095405
4	80TH	L ANGELES	0522	10	01	4160520	4100097	4162611	4100103	44	94TH	L ANGELES	2067	03	1	4161901	4095405	4162479	4095957
5	80TH	L ANGELES	0522	11	01	4162611	4100107	4163269	4100412	45	WILL RGRS	L ANGELES	2048	01	1	4163877	4096029	4164731	4095734
6	80TH	L ANGELES	0522	12	01	4163263	4100414	4164356	4100741	46	WILL RGRS	L ANGELES	2048	02	1	4164731	4095732	4166963	4096059
7	80TH	L ANGELES	0522	13	01	4164356	4100741	4164876	4101311	47	WILL RGRS	L ANGELES	2048	03	1	4166963	4096057	4168668	4096103
8	80TH	L ANGELES	0522	14	01	4164876	4101307	4166265	4101562	48	WILL RGRS	L ANGELES	2048	04	1	4168666	4096097	4170481	4097361
9	80TH	L ANGELES	0522	15	01	4166267	4101556	4166923	4101345	49	ARBOR VIT	L ANGELES	1378	03	1	4170676	4095356	4173915	4095391
10	80TH	L ANGELES	0522	16	01	4166923	4101345	4167409	4100588	50	96TH	L ANGELES	0528	05	1	4166213	4093835	4170900	4093960
11	80TH	L ANGELES	0522	17	01	4167405	4100582	4170146	4100293	51	96TH	L ANGELES	0528	06	1	4170860	4094231	4172569	4094233
12	80TH	L ANGELES	0522	18	01	4170144	4100291	4170852	4099822	52	96TH	L ANGELES	0528	07	1	4173381	4094361	4173939	4094092
13	78TH	L ANGELES	0521	05	01	4167932	4101620	4169990	4101185	53	FALMOUTH	L ANGELES	2073	01	1	4156500	4095244	4154387	4096987
14	78TH	L ANGELES	0521	06	01	4170008	4101176	4170704	4101558	54	CUM LAUDE	L ANGELES	2100	01	1	4157252	4094909	4157399	4096460
15	78TH	L ANGELES	0521	07	01	4170704	4101562	4171504	4101403	55	STANMOOR	L ANGELES	2065	01	1	4158416	4094985	4158422	4095983
16	78TH	L ANGELES	0521	08	01	4171504	4101403	4172210	4101080	56	STANMOOR	L ANGELES	2065	02	1	4158422	4095979	4159021	4097243
17	78TH	L ANGELES	0521	09	01	4172220	4101068	4173858	4099758	57	STANMOOR	L ANGELES	2065	03	1	4159019	4097245	4159017	4098762
18	83RD	L ANGELES	0697	04	01	4157987	4098515	4159298	4098523	58	PARK HILL	L ANGELES	2072	01	1	4157838	4096262	4158546	4097323
19	83RD	L ANGELES	0697	05	01	4159296	4098521	4160209	4099184	59	PARK HILL	L ANGELES	2072	02	1	4158550	4097331	4158642	4099332
20	83RD	L ANGELES	0697	06	01	4160209	4099186	4164617	4099242	60	RAYFORD	L ANGELES	2066	01	1	4159703	4095537	4159852	4096213
21	83RD	L ANGELES	0697	07	01	4170993	4099326	4173913	4099358	61									

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TIME OF ENTRY - 22:00:05 DATE OF LAST UPDATE 12-MAY-77 OPERATOR NAME - HAYS/PHELPS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4136000 UPPER LEFT = 4136000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4105000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4105000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20699 LOWER RIGHT = 20815 LOWER LEFT = 1369 UPPER LEFT = 1282
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20404 LOWER RIGHT = 951 LOWER LEFT = 873 UPPER LEFT = 20306

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[illegible]

CARGO SECURITY FIELD TEST PROGRAM - AM PHASE DATA BASE

FILE NAME CS0092.001 REVISION 1

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TIME OF ENTRY - 11:45:00 DATE OF LAST UPDATE 17-MAY-77 OPERATOR NAME - HAYS/PHELPS

MAP X-COORDINATE DATA - UPPER RIGHT = 4210000 LOWER RIGHT = 4210000 LOWER LEFT = 4190000 UPPER LEFT = 4190000

MAP Y-COORDINATE DATA - UPPER RIGHT = 4021940 LOWER RIGHT = 4000000 LOWER LEFT = 4000000 UPPER LEFT = 4021940

CURSOR X-COORDINATE DATA - UPPER RIGHT = 19352 LOWER RIGHT = 19400 LOWER LEFT = 9381 UPPER LEFT = 9376

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 16868 LOWER RIGHT = 5942 LOWER LEFT = 5926 UPPER LEFT = 16848

NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	WESTERN	S	SAN	PE	1906	06	48	4194473	4021652	4193699	4017793	41							
2	WESTERN	S	SAN	PE	1906	07	48	4193697	4017791	4192078	4016825	42							
3	WESTERN	S	SAN	PE	1906	08	48	4192064	4016815	4192038	4015524	43							
4	WESTERN	S	SAN	PE	1906	09	48	4192036	4015518	4193555	4013657	44							
5	WESTERN	S	SAN	PE	1906	10	48	4193557	4013657	4193641	4011853	45							
6	WESTERN	S	SAN	PE	1906	11	48	4193641	4011847	4190942	4010192	46							
7	0.35 25TH	S	SAN	PE	3173	01	48	4192263	4010506	4191848	4011319	47							
8	0.3N 25TH	S	SAN	PE	3174	01	48	4194074	4012778	4193208	4012786	48							
9	0.6N 25TH	S	SAN	PE	3175	01	48	4193375	4014523	4192637	4013850	49							
10	0.6S 7TH	S	SAN	PE	3176	01	48	4192589	4015228	4192144	4014740	50							
11	0.2N 7TH	S	SAN	PE	3177	01	48	4194098	4017804	4193273	4018002	51							
12	0.4N 7TH	S	SAN	PE	3178	01	48	4194262	4018888	4193507	4019057	52							
13												53							
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TIME OF ENTRY - 15:00:00 DATE OF LAST UPDATE 13-JAN-77 OPERATOR NAME - SILLY

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TIME OF ENTRY - 15:00:00    DATE OF LAST UPDATE - 15-JAN-77    OPERATOR NAME - GLENN
MAP X-COORDINATE DATA - UPPER RIGHT = 4210000 LOWER RIGHT = 4210000 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4021940 LOWER RIGHT = 4000000 LOWER LEFT = 4000000 UPPER LEFT = 4021940
CURSOR X-COORDINATE DATA - UPPER RIGHT = 18630 LOWER RIGHT = 18726 LOWER LEFT = 8709 UPPER LEFT = 8644
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13651 LOWER RIGHT = 2711 LOWER LEFT = 2641 UPPER LEFT = 13584

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY		
1	PASEO D M L	ANGELES	1011	01	01	4190920	4010032	4191463	4009327	41	SEPULVEDA	L	ANGELES	0989	01	1	4194310	4019720	4196327	4019728	
2	PASEO D M L	ANGELES	1011	02	01	4191473	4009325	4197854	4007125	42	SEPULVEDA	L	ANGELES	0989	02	1	4196353	4019879	4199284	4019903	
3	PASEO D M L	ANGELES	1011	03	01	4197846	4007125	4198867	4005834	43	SEPULVEDA	L	ANGELES	0989	03	1	4199312	4019732	4202522	4019754	
4	PASEO D M L	ANGELES	1011	04	01	4198875	4005826	4200700	4005820	44	SMMERLAND	L	ANGELES	0988	01	1	4194059	4020376	4196832	4020618	
5	39TH	L	ANGELES	1010	01	01	4199192	4006494	4201321	4006510	45	SMMERLAND	L	ANGELES	0988	02	1	4196828	4020616	4199116	4020598
6	37TH	L	ANGELES	1009	01	01	4193847	4009042	4197651	4007496	46	DODSON	L	ANGELES	0985	01	1	4193414	4013818	4193388	4016619
7	37TH	L	ANGELES	1009	02	01	4199194	4007135	4200915	4007141	47	WEYMOUTH	L	ANGELES	0984	01	1	4193621	4008589	4193841	4009036
8	36TH	L	ANGELES	1008	01	01	4195612	4009040	4196447	4008721	48										
9	36TH	L	ANGELES	1008	02	01	4199178	4007474	4200710	4007512	49										
10	34TH	L	ANGELES	1007	01	01	4195846	4009663	4196674	4009331	50										
11	34TH	L	ANGELES	1007	02	01	4199198	4008186	4200710	4008148	51										
12	32ND	L	ANGELES	1006	01	01	4199194	4008815	4200718	4008811	52										
13	30TH	L	ANGELES	1005	01	01	4197233	4009924	4198751	4009405	53										
14	30TH	L	ANGELES	1005	02	01	4199192	4009475	4200700	4009469	54										
15	28TH	L	ANGELES	1004	01	01	4197705	4010614	4198937	4010107	55										
16	28TH	L	ANGELES	1004	02	01	4199194	4010135	4200664	4010145	56										
17	26TH	L	ANGELES	1003	01	01	4194204	4010935	4198004	4010804	57										
18	26TH	L	ANGELES	1003	02	01	4198350	4010800	4200666	4010804	58										
19	PALOS V	L	ANGELES	1012	01	01	4193108	4011562	4193989	4011125	59										
20	25TH	L	ANGELES	1002	01	01	4194001	4011147	4199240	4011067	60										
21	23RD	L	ANGELES	1001	01	01	4195117	4011787	4200652	4011801	61										
22	21ST	L	ANGELES	1000	01	01	4194614	4012458	4201482	4012478	62										
23	19TH	L	ANGELES	0999	01	01	4193701	4013114	4201808	4013126	63										
24	17TH	L	ANGELES	0998	01	01	4194063	4013757	4197976	4013764	64										
25	17TH	L	ANGELES	0998	02	01	4197986	4013782	4200684	4013774	65										
26	17TH	L	ANGELES	0998	03	01	4200670	4013786	4202636	4013810	66										
27	15TH	L	ANGELES	0997	01	01	4194660	4014475	4197978	4014459	67										
28	15TH	L	ANGELES	0997	02	01	4198655	4014461	4202898	4014469	68										
29	13TH	L	ANGELES	0996	01	01	4194634	4015085	4202906	4015099	69										
30	11TH	L	ANGELES	0995	01	01	4197311	4015744	4202888	4015756	70										
31	9TH	L	ANGELES	0994	01	01	4194049	4016430	4203054	4016438	71										
32	7TH	L	ANGELES	0993	01	01	4194041	4017032	4203080	4017076	72										
33	7TH	L	ANGELES	0993	02	01	4192426	4017166	4194047	4017038	73										
34	AVERILL	L	ANGELES	1015	01	01	4192328	4015299	4194083	4015572	74										
35	10TH	L	ANGELES	1014	01	01	4192034	4016039	4194035	4016053	75										
36	AVERILL	L	ANGELES	1015	02	01	4194077	4015630	4194380	4016398	76										
37	MIRALESTE	L	ANGELES	1013	01	01	4191978	4016550	4194039	4016512	77										
38	5TH	L	ANGELES	0992	01	01	4197293	4017757	4203089	4017763	78										
39	3RD	L	ANGELES	0991	01	01	4194252	4018411	4203131	4018419	79										
40	1ST	L	ANGELES	0990	01	01	4194029	4019018	4203143	4019065	80										

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TIME OF ENTRY - 16:10:00 : DATE OF LAST UPDATE 13-JAN-77 OPERATOR NAME - HAYS

MAP Y-COORDINATE DATA - UPPER RIGHT = 4021940 LOWER RIGHT = 4000000 LOWER LEFT = 4000000 UPPER LEFT = 4021940

CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13663 LOWER RIGHT = 2710 LOWER LEFT = 2638 UPPER LEFT = 13591

NO	STREET	CITY	ST SEG CY	STARTX	STARTY	ENDX	ENDY NO
1	WEYMOUTH	L ANGELES	0984 02 01	4194061	4013002	4194061	4014883 41
2	WEYMOUTH	L ANGELES	0984 03 01	4194061	4014885	4194329	4015177 42
3	WEYMOUTH	L ANGELES	0984 04 01	4194341	4015183	4194101	4015628 43
4	WEYMOUTH	L ANGELES	0984 05 01	4194107	4015626	4194045	4018472 44
5	HARBOR VW	L ANGELES	0986 01 01	4194329	4020365	4194319	4020379 45
6	PATTON	L ANGELES	0982 01 01	4194904	4008164	4195104	4008613 46
7	PATTON	L ANGELES	0982 02 01	4195268	4009190	4195558	4009877 47
8	PATTON	L ANGELES	0982 03 01	4195338	4010578	4195554	4009887 48
9	PATTON	L ANGELES	0982 04 01	4195332	4010572	4195288	4017082 49
10	WALKER	L ANGELES	0981 01 01	4195214	4008036	4195979	4009989 50
11	WALKER	L ANGELES	0981 02 01	4196555	4010384	4195997	4010913 51
12	WALKER	L ANGELES	0981 03 01	4195999	4010915	4195955	4017042 52
13	WALKER	L ANGELES	0981 04 01	4195713	4017767	4195656	4020850 53
14	LELAND	L ANGELES	0980 01 01	4195805	4007824	4196690	4010077 54
15							55
16							56
17							57
18							58
19							59
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35							75
36							76
37							77
38							78
39							79
40							80

TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 14-JAN-77 OPERATOR NAME - HAYS

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TIME OF ENTRY - 10:00:00 DATE OF LAST UPDATE 14-JAN-77 OPERATOR NAME NAME
MAP X-COORDINATE DATA - UPPER RIGHT = 4210000 LOWER RIGHT = 4210000 LOWER LEFT = 4190000 UPPER LEFT = 4190000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4021940 LOWER RIGHT = 4000000 LOWER LEFT = 4000000 UPPER LEFT = 4021940
CURSOR X-COORDINATE DATA - UPPER RIGHT = 18642 LOWER RIGHT = 18734 LOWER LEFT = 8718 UPPER LEFT = 8658
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 13665 LOWER RIGHT = 2720 LOWER LEFT = 2641 UPPER LEFT = 13600

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NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY	NO	STREET	CITY	ST	SEG	CY	STARTX	STARTY	ENDX	ENDY
1	LELAND	L ANGELES	0980	02	01	4196641	4010474	4196607	4017053	41									
2	LELAND	L ANGELES	0980	03	01	4196647	4019992	4196603	4021479	42									
3	BANDINI	L ANGELES	0979	01	01	4197264	4021483	4197292	4017091	43									
4	ALMA	L ANGELES	0978	03	01	4197294	4017057	4197322	4010516	44									
5	ALMA	L ANGELES	0978	02	01	4197328	4010506	4197166	4009649	45									
6	ALMA	L ANGELES	0978	01	01	4197164	4009665	4196350	4007988	46									
7	MEYLER	L ANGELES	0977	01	01	4198011	4010544	4197935	4020324	47									
8	MEYLER	L ANGELES	0977	02	01	4197939	4020320	4197939	4021491	48									
9	MEYLER	L ANGELES	0977	03	01	4197046	4008454	4196607	4007457	49									
10	CABRILLO	L ANGELES	0976	01	01	4198662	4010176	4198630	4019922	50									
11	GAFFEY	L ANGELES	0975	01	01	4199221	4005765	4199199	4007477	51									
12	GAFFEY	L ANGELES	0975	02	01	4199189	4007467	4199429	4007809	52									
13	GAFFEY	L ANGELES	0975	03	01	4199429	4007811	4199195	4008226	53									
14	GAFFEY	L ANGELES	0975	04	01	4199203	4008238	4199193	4010989	54									
15	GAFFEY	L ANGELES	0975	05	01	4199195	4010983	4199289	4020280	55									
16	GAFFEY	L ANGELES	0975	06	01	4198880	4021079	4198864	4021111	56									
17	GAFFEY	L ANGELES	0975	07	01	4198860	4021079	4198868	4021555	57									
18	GRAND	L ANGELES	0974	01	01	4199984	4011439	4199962	4020616	58									
19	CRESCENT	L ANGELES	0973	01	01	4201505	4012470	4201859	4013143	59									
20	CRESCENT	L ANGELES	0973	02	01	4201847	4013151	4203065	4013986	60									
21	CRESCENT	L ANGELES	0973	03	01	4203069	4013958	4203119	4017097	61									
22	HARBOR	L ANGELES	0972	01	01	4203145	4017107	4203163	4020294	62									
23	HARBOR	L ANGELES	0972	02	01	4203161	4020298	4202614	4021507	63									
24	PLS VRDES	L ANGELES	0971	01	01	4202663	4013749	4202618	4019381	64									
25	PLS VRDES	L ANGELES	0971	02	01	4202532	4019729	4202524	4020716	65									
26	CENTER	L ANGELES	0970	01	01	4202032	4013257	4201967	4020716	66									
27	MESA	L ANGELES	0969	01	01	4201320	4011864	4201228	4020867	67									
28	PACIFIC	L ANGELES	0968	01	01	4200703	4005573	4200685	4015397	68									
29	PACIFIC	L ANGELES	0968	02	01	4200679	4015387	4200641	4020853	69									
30	PACIFIC	L ANGELES	0968	03	01	4200637	4021165	4200820	4021527	70									
31	CAROLINA	L ANGELES	0987	01	01	4199906	4005729	4199862	4010845	71									
32										72									
33										73									
34										74									
35										75									
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39										79									
40										80									

PAGE 9

TIME OF ENTRY - 12:10:00 : DATE OF LAST UPDATE 17-MAY-77 : OPERATOR NAME - HAYS

```

MAP X-COORDINATE DATA - UPPER RIGHT = 4212000 LOWER RIGHT = 4212000 LOWER LEFT = 4174000 UPPER LEFT = 4174000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4113000 LOWER RIGHT = 4080000 LOWER LEFT = 4080000 UPPER LEFT = 4113000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21374 LOWER RIGHT = 20935 LOWER LEFT = 1922 UPPER LEFT = 2368
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20371 LOWER RIGHT = 3936 LOWER LEFT = 4451 UPPER LEFT = 20917

```

NO	STREET	CITY	ST.SEG	CY	STARTX	STARTY	ENDX	ENDY.NO	STREET	CITY	ST.SEG	CY	STARTX	STARTY	ENDX	ENDY
1	LENNOX	INGLEWOOD	3179	01	36	4176790	4089846	4184045	4089623	41						
2										42						
3										43						
4										44						
5										45						
6										46						
7										47						
8										48						
9										49						
10										50						
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30										70						
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38										78						
39										79						
40										80						

PAGE 9

TIME OF ENTRY - 15:45:00 DATE OF LAST UPDATE 23-MAY-77 OPERATOR NAME - HAYS

```
MAP X-COORDINATE DATA - UPPER RIGHT = 4212400 LOWER RIGHT = 4212400 LOWER LEFT = 4173000 UPPER LEFT = 4173000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4067000 LOWER RIGHT = 4030000 LOWER LEFT = 4030000 UPPER LEFT = 4067000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20922 LOWER RIGHT = 21017 LOWER LEFT = 1335 UPPER LEFT = 1252
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20498 LOWER RIGHT = 2025 LOWER LEFT = 1950 UPPER LEFT = 20380
```

[illegible]

PAGE 9

TIME OF ENTRY - 16:00:00 · DATE OF LAST UPDATE 23-MAY-77 OPERATOR NAME - HAYS

```

MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4164000 UPPER LEFT = 4164000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4068000 LOWER RIGHT = 4040000 LOWER LEFT = 4040000 UPPER LEFT = 4068000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 20113 LOWER RIGHT = 20281 LOWER LEFT = 14774 UPPER LEFT = 14664
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20125 LOWER RIGHT = 6121 LOWER LEFT = 6119 UPPER LEFT = 20099

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[illegible]

PAGE 5

TIME OF ENTRY - 16:15:00 DATE OF LAST UPDATE 23-MAY-77 OPERATOR NAME - HYS

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MAP X-COORDINATE DATA - UPPER RIGHT = 4175000 LOWER RIGHT = 4175000 LOWER LEFT = 4136000 UPPER LEFT = 4136000
MAP Y-COORDINATE DATA - UPPER RIGHT = 4105000 LOWER RIGHT = 4066000 LOWER LEFT = 4066000 UPPER LEFT = 4105000
CURSOR X-COORDINATE DATA - UPPER RIGHT = 21427 LOWER RIGHT = 21642 LOWER LEFT = 2186 UPPER LEFT = 2032
CURSOR Y-COORDINATE DATA - UPPER RIGHT = 20081 LOWER RIGHT = 618 LOWER LEFT = 448 UPPER LEFT = 19904

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NO	STREET	CITY	ST SEG CY	STARTX	STARTY	ENDX	ENDY NO
1	0.7W EMRS L	ANGELES	2476 01 01	4163558	4096134	4163592	4095204 41
2	TRASK L	ANGELES	2081 01 01	4156817	4088496	4155159	4091890 42
3	TRASK L	ANGELES	2081 02 01	4155117	4091878	4153880	4094009 43
4	BEAUMONT L	ANGELES	2006 01 01	4153950	4091684	4155115	4091884 44
5	FNTNBLEAU L	ANGELES	2005 01 01	4154447	4090601	4155718	4090768 45
6	IPSWICH L	ANGELES	2004 01 01	4154950	4089527	4156233	4089679 46
7	KILGORE L	ANGELES	2003 01 01	4155299	4088781	4156520	4089098 47
8	VILLANOVA L	ANGELES	2068 01 01	4161062	4096675	4160056	4097555 48
9	GOEBEL L	ANGELES	2043 01 01	4170590	4094330	4169704	4094560 49
10	GOEBEL L	ANGELES	2043 02 01	4169684	4094574	4168575	4096200 50
11	CROYDON L	ANGELES	2044 01 01	4170606	4095276	4168806	4097499 51
12	0.3N 111T L	ANGELES	2475 01 01	4173488	4090431	4172562	4090371 52
13	WILEY PST L	ANGELES	2047 02 01	4170363	4098844	4169820	4099407 53
14	GLIDER L	ANGELES	2045 01 01	4170624	4096877	4169994	4097637 54
15							55
16							56
17							57
18							58
19							59
20							60
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34							74
35							75
36							76
37							77
38							78
39							79
40							80

SECTION C.3

This section contains a list of ROUTES which is the data base containing the valid trucking routes in the Los Angeles area for the Cargo Security System. It contains the route number, the number of points (X,Y coordinates) defining the route, and the X,Y coordinates of the points.

1	.TITLE ROUTES			
2	;			
3	.NLIST BEX			
4	;			
5	000000	061 ROUTES:	.ASCII /107 /	; ROUTE NUMBER
6	000004	000004	.WORD 4.,1	; NO. OF POINTS
7	000010	047127	.WORD 20055.,08314.	
8	000014	051537	.WORD 21343.,06585.	
9	000020	047175	.WORD 20093.,06515.	
10	00024	051454	.WORD 21292.,08367.	
11	;			
12	00030	061	.ASCII /108 /	; ROUTE NUMBER
13	00034	000006	.WORD 6.,2	; NO. OF POINTS
14	00040	045713	.WORD 19403.,06788.	
15	00044	054155	.WORD 22637.,04048.	
16	00050	054243	.WORD 22691.,05664.	
17	00054	045525	.WORD 19285.,04578.	
18	00060	047117	.WORD 20047.,03980.	
19	00064	051061	.WORD 21041.,06811.	
20	;			
21	00070	061	.ASCII /109 /	; ROUTE NUMBER
22	00074	000006	.WORD 6.,3.	; NO. OF POINTS
23	00100	044000	.WORD 18432.,09394.	
24	00104	050605	.WORD 20869.,09625.	
25	00110	044221	.WORD 18577.,06847.	
26	00114	050631	.WORD 20889.,08168.	
27	00120	047535	.WORD 20317.,06520.	
28	00124	044711	.WORD 18889.,06527.	
29	;			
30	00130	061	.ASCII /110 /	; ROUTE NUMBER
31	00134	000007	.WORD 7.,4	; NO. OF POINTS
32	00140	040630	.WORD 16792.,04127.	
33	00144	040307	.WORD 16583.,06072.	
34	00150	041044	.WORD 16932.,06655.	
35	00154	044536	.WORD 18782.,02728.	
36	00160	046215	.WORD 19597.,03182.	
37	00164	046272	.WORD 19642.,06261.	
38	00170	044724	.WORD 18900.,07201.	
39	;			
40	00174	061	.ASCII /111 /	; ROUTE NUMBER
41	00200	000004	.WORD 4.,5	; NO. OF POINTS
42	00204	040457	.WORD 16687.,05847.	
43	00210	036234	.WORD 15516.,08779.	
44	00214	044377	.WORD 18687.,08809.	
45	00220	044501	.WORD 18753.,06744.	
46	;			
47	00224	061	.ASCII /112 /	; ROUTE NUMBER
48	00230	000005	.WORD 5.,6	; NO. OF POINTS
49	00234	044416	.WORD 18702.,10892.	
50	00240	035306	.WORD 15046.,09748.	
51	00244	041156	.WORD 17006.,10902.	
52	00250	036277	.WORD 15551.,08656.	
53	00254	044404	.WORD 18692.,08606.	
54	;			
55	0260	061	.ASCII /117 /	; ROUTE NUMBER
ROUTES RT-11 MACRO VM02-12 00:33:42 PAGE 1+				
56	00264	000005	.WORD 5.,7.	; NO. OF POINTS
57	00270	050445	.WORD 20773.,14026.	
58	00274	047516	.WORD 20302.,13093.	

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123 0640 050363 .WORD 20723.,11125.
124 0644 054110 .WORD 22600.,11200.
125 0650 054772 .WORD 23034.,09841.
126 0654 053055 .WORD 22061.,09729.
127
128 0660 061 .ASCII /126 /
129 0664 000006 .WORD 6.,16.
130 0670 044060 .WORD 18480.,09460.
131 0674 050616 .WORD 20878.,09468.
132 0700 043274 .WORD 18108.,12034.
133 0704 044335 .WORD 18653.,13371.
134 0710 046722 .WORD 19922.,13255.
135 0714 050557 .WORD 20847.,11599.
136
137 0720 061 .ASCII /129 /
138 0724 000006 .WORD 6.,17.
139 0730 071572 .WORD 29562.,08278.
140 0734 071610 .WORD 29576.,06006.
141 0740 071313 .WORD 29387.,06009.
142 0744 066173 .WORD 27771.,08784.
143 0750 064355 .WORD 26861.,08804.
144 0754 064331 .WORD 26841.,07699.
145
146 0760 061 .ASCII /131 /
147 0764 000005 .WORD 5.,18.
148 0770 056067 .WORD 23607.,09847.
149 0774 057477 .WORD 24383.,10309.
150 1000 052740 .WORD 21984.,07651.
151 1004 063217 .WORD 26255.,08658.
152 1010 062063 .WORD 25651.,06839.
153
154 1014 061 .ASCII /132 /
155 1020 000007 .WORD 7.,19.
156 1024 063160 .WORD 26224.,04000.
157 1030 062725 .WORD 26069.,02463.
158 1034 054742 .WORD 23010.,07133.
159 1040 061747 .WORD 25575.,06881.
160 1044 053750 .WORD 22504.,05664.
161 1050 053666 .WORD 22454.,02486.
162 1054 060733 .WORD 25051.,01966.
163
164 1060 061 .ASCII /133 /
165 1064 000005 .WORD 5.,20.
ROUTES RT-11 MACRO VM02-12 00:33:42 PAGE 1+

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; ROUTE NUMBER
; NO. OF POINTS

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; ROUTE NUMBER
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; ROUTE NUMBER
; NO. OF POINTS

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; ROUTE NUMBER
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; ROUTE NUMBER
; NO. OF POINTS

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166 1070 055270 .WORD 23224.,06811.
167 1074 052262.. .WORD 21682.,05624.
168 1100 054147 .WORD 22631.,05612.
169 1104 050731 .WORD 20953.,06349.
170 1110 051066 .WORD 21046.,06806.
171
172 1114 061 .ASCII /134 /
173 1120 000006 .WORD 6.,21.
174 1124 050351 .WORD 20713.,10139.
175 1130 050353 .WORD 20715.,08279.
176 1134 056166 .WORD 23670.,09856.
177 1140 051773 .WORD 21499.,06589.
178 1144 055306 .WORD 23238.,06578.
179 1150 055720 .WORD 23504.,07857.
180
181 1154 061 .ASCII /135 /
182 1160 000005 .WORD 5.,22.
183 1164 045120 .WORD 19024.,00981.
184 1170 047105 .WORD 20037.,00409.
185 1174 057774 .WORD 22467.,04170.

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; ROUTE NUMBER
; NO. OF POINTS

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; ROUTE NUMBER
; NO. OF POINTS

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50	00304	053526	.WORD	22358.,13888.	
51	00310	052142	.WORD	21602.,12340.	
52					
53	00314	061	.ASCII	/118 /	; ROUTE NUMBER
54	00320	000006	.WORD	6.,8.	; NO. OF POINTS
55	00324	063143	.WORD	26211.,12149.	
56	00330	055063	.WORD	23091.,15154.	
57	00334	057370	.WORD	24312.,15149.	
58	00340	052110	.WORD	21576.,13849.	
59	00344	052046	.WORD	21542.,12658.	
70	00350	054131	.WORD	22617.,12306.	
71					
72	00354	061	.ASCII	/119 /	; ROUTE NUMBER
73	00360	000006	.WORD	6.,9.	; NO. OF POINTS
74	00364	054022	.WORD	22546.,10230.	
75	00370	054456	.WORD	22830.,09752.	
76	00374	056077	.WORD	23615.,09579.	
77	00400	060753	.WORD	25067.,10389.	
78	00404	056043	.WORD	23587.,12311.	
79	00410	054075	.WORD	22589.,11276.	
80					
81	00414	061	.ASCII	/120 /	; ROUTE NUMBER
82	00420	000004	.WORD	4.,10.	; NO. OF POINTS
83	00424	063547	.WORD	26471.,12336.	
84	00430	064172	.WORD	26746.,12029.	
85	00434	061027	.WORD	25111.,10226.	
86	00440	052633	.WORD	21915.,12780.	
87					
88	00444	061	.ASCII	/121 /	; ROUTE NUMBER
89	00450	000004	.WORD	4.,11.	; NO. OF POINTS
90	00454	051761	.WORD	21489.,13226.	
91	00460	056170	.WORD	23672.,12238.	
92	00464	056141	.WORD	23649.,11399.	
93	00470	051743	.WORD	21475.,11962.	
94					
95	00474	061	.ASCII	/122 /	; ROUTE NUMBER
96	00500	000005	.WORD	5.,12.	; NO. OF POINTS
97	00504	051012	.WORD	21002.,10919.	
98	00510	050734	.WORD	20956.,11831.	
99	00514	053616	.WORD	22414.,10910.	
100	0520	053606	.WORD	22406.,11830.	
101	0524	051155	.WORD	21101.,12200.	
102					
103	0530	061	.ASCII	/123 /	; ROUTE NUMBER
104	0534	000005	.WORD	5.,13.	; NO. OF POINTS
105	0540	053441	.WORD	22305.,10918.	
106	0544	055561	.WORD	23409.,10839.	
107	0550	053414	.WORD	22284.,11861.	
108	0554	056146	.WORD	23654.,11461.	
109	0560	056144	.WORD	23652.,11200.	
110					
ROUTES RT-11 MACRO VM02-12 00:33:42 PAGE 14					
111	0564	061	.ASCII	/124 /	; ROUTE NUMBER
112	0570	000006	.WORD	6.,14.	; NO. OF POINTS
113	0574	046722	.WORD	19922.,13250.	
114	0600	046727	.WORD	19927.,11577.	
115	0604	050620	.WORD	20880.,11598.	
116	0610	047704	.WORD	20420.,13229.	
117	0614	052156	.WORD	21614.,12084.	
118	0620	052160	.WORD	21616.,12518.	
119					
120	0624	061	.ASCII	/125 /	; ROUTE NUMBER
121	0630	000005	.WORD	5.,15.	; NO. OF POINTS

186	1200	055341	.WORD	23265.,01740.	
187	1204	046076	.WORD	19518.,04976.	
188					
189	1210	061	.ASCII	/141 /	; ROUTE NUMBER
190	1214	000006	.WORD	6.,23.	; NO. OF POINTS
191	1220	061404	.WORD	25348.,13102.	
192	1224	061420	.WORD	25360.,12507.	
193	1230	064525	.WORD	26965.,11639.	
194	1234	067301	.WORD	28353.,12468.	
195	1240	067561	.WORD	28529.,13000.	
196	1244	063072	.WORD	26170.,13819.	
197					
198	1250	060	.ASCII	/019 /	; ROUTE NUMBER
199	1254	000005	.WORD	5.,24.	; NO. OF POINTS
200	1260	063453	.WORD	26411.,12388.	
201	1264	065054	.WORD	27180.,11858.	
202	1270	057766	.WORD	24566.,10565.	
203	1274	062462	.WORD	25906.,09034.	
204	1300	060435	.WORD	24861.,12504.	
205					
206	1304	060	.ASCII	/020 /	; ROUTE NUMBER
207	1310	000004	.WORD	4.,25.	; NO. OF POINTS
208	1314	055666	.WORD	23478.,08724.	
209	1320	061011	.WORD	25097.,10242.	
210	1324	055460	.WORD	23344.,11233.	
211	1330	056043	.WORD	23587.,11780.	
212					
213	1334	060	.ASCII	/021 /	; ROUTE NUMBER
214	1340	000006	.WORD	6.,26.	; NO. OF POINTS
215	1344	056743	.WORD	24035.,13761.	
216	1350	052076	.WORD	21566.,13760.	
217	1354	051777	.WORD	21503.,11817.	
218	1360	055761	.WORD	23537.,11398.	
219	1364	060525	.WORD	24917.,11421.	
220	1370	060505	.WORD	24901.,12328.	
ROUTES RT-11 MACRO VM02-12 00:33:42 PAGE 1+					
221					
222	1374	060	.ASCII	/022 /	; ROUTE NUMBER
223	1400	000005	.WORD	5.,27.	; NO. OF POINTS
224	1404	043633	.WORD	18331.,11621.	
225	1410	045763	.WORD	19443.,14952.	
226	1414	047354	.WORD	20204.,14931.	
227	1420	047424	.WORD	20244.,11601.	
228	1424	051651	.WORD	21417.,13645.	
229					
230	1430	060	.ASCII	/026 /	; ROUTE NUMBER
231	1434	000005	.WORD	5.,28.	; NO. OF POINTS
232	1440	047734	.WORD	20444.,12764.	
233	1444	047357	.WORD	20207.,11538.	
234	1450	047663	.WORD	20403.,11534.	
235	1454	051720	.WORD	21456.,13907.	
236	1460	052631	.WORD	21913.,13680.	
237					
238	1464	060	.ASCII	/027 /	; ROUTE NUMBER
239	1470	000004	.WORD	4.,29.	; NO. OF POINTS
240	1474	047531	.WORD	20313.,11604.	
241	1500	050760	.WORD	20976.,12745.	
242	1504	052323	.WORD	21715.,13584.	
243	1510	052220	.WORD	21648.,11649.	
244					
245	1514	060	.ASCII	/030 /	; ROUTE NUMBER
246	1520	000006	.WORD	6.,30.	; NO. OF POINTS
247	1524	047641	.WORD	20385.,08671.	

249	1534	041556	.WORD	17262.,08692.	
250	1540	044346	.WORD	18662.,11724.	
251	1544	052164	.WORD	21620.,10743.	
252	1550	052244	.WORD	21668.,11769.	
253					
254	1554	060	.ASCII	/031 /	\$ ROUTE NUMBER
255	1560	000005	.WORD	5.,31.	\$ NO. OF POINTS
256	1564	044677	.WORD	18879.,08719.	
257	1570	044656	.WORD	18862.,07528.	
258	1574	037175	.WORD	15997.,07493.	
259	1600	035144	.WORD	14948.,09884.	
260	1604	036631	.WORD	15769.,10317.	
261					
262	1610	060	.ASCII	/032 /	\$ ROUTE NUMBER
263	1614	000006	.WORD	6.,32.	\$ NO. OF POINTS
264	1620	041025	.WORD	16917.,04432.	
265	1624	044776	.WORD	18942.,07799.	
266	1630	036767	.WORD	15863.,07786.	
267	1634	044476	.WORD	18750.,03518.	
268	1640	047665	.WORD	20405.,03486.	
269	1644	047511	.WORD	20297.,06156.	
270					
271	1650	060	.ASCII	/033 /	\$ ROUTE NUMBER
272	1654	000004	.WORD	4.,33.	\$ NO. OF POINTS
273	1660	044477	.WORD	18751.,08802.	
274	1664	050662	.WORD	20914.,08770.	
275	1670	044535	.WORD	18781.,06456.	
ROUTES RT-11 MACRO VM02-12 00:33:42 PAGE 1+					

276	1674	050610	.WORD	20872.,06454.	
277					
278	1700	063	.ASCII	/33A /	\$ ROUTE NUMBER
279	1704	000006	.WORD	6.,34.	\$ NO. OF POINTS
280	1710	055244	.WORD	23204.,07885.	
281	1714	052405	.WORD	21765.,04183.	
282	1720	054264	.WORD	22708.,04895.	
283	1724	047073	.WORD	20027.,04138.	
284	1730	047040	.WORD	20000.,06694.	
285	1734	051320	.WORD	21200.,08610.	
286					
287	1740	060	.ASCII	/034 /	\$ ROUTE NUMBER
288	1744	000006	.WORD	6.,35.	\$ NO. OF POINTS
289	1750	047163	.WORD	20083.,00382.	
290	1754	037565	.WORD	16245.,01930.	
291	1760	036560	.WORD	15728.,03058.	
292	1764	041343	.WORD	17123.,04649.	
293	1770	055227	.WORD	23191.,05099.	
294	1774	054554	.WORD	22892.,02422.	
295					
296	2000	060	.ASCII	/035 /	\$ ROUTE NUMBER
297	2004	000006	.WORD	6.,36.	\$ NO. OF POINTS
298	2010	062471	.WORD	25913.,05337.	
299	2014	063300	.WORD	26304.,03986.	
300	2020	062773	.WORD	26107.,02478.	
301	2024	062561	.WORD	25969.,05716.	
302	2030	054430	.WORD	22808.,02402.	
303	2034	060736	.WORD	25054.,01994.	
304					
305	2040	060	.ASCII	/036 /	\$ ROUTE NUMBER
306	2044	000006	.WORD	6.,37.	\$ NO. OF POINTS
307	2050	062551	.WORD	25961.,05071.	
308	2054	055443	.WORD	23331.,08830.	
309	2060	053662	.WORD	22450.,05580.	
310	2064	065461	.WORD	27441.,07137.	

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312 2074 060643 .WORD 24995.,10374.
313 ;
314 2100 060 .ASCII /037 /
315 2104 000006 .WORD 6.,38.
316 2110 047333 .WORD 20187.,10979.
317 2114 047325 .WORD 20181.,08791.
318 2120 050634 .WORD 20892.,08130.
319 2124 056354 .WORD 23788.,10873.
320 2130 055476 .WORD 23358.,07664.
321 2134 052736 .WORD 21982.,07646.
322 ;
323 2140 060 .ASCII /048 /
324 2144 000004 .WORD 4.,39.
325 2150 056111 .WORD 23625.,10622.
326 2154 052010 .WORD 21512.,12159.
327 2160 056064 .WORD 23604.,11538.
328 2164 051622 .WORD 21394.,10755.
329 000001' .END

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; ROUTE NUMBER
; NO. OF POINTS

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; ROUTE NUMBER
; NO. OF POINTS

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00:33:42 PAGE 1+
SYMBOL TABLE

```

```

ROUTES 000000R
. ABS. 000000 000
002170 001
ERRORS DETECTED: 0
FREE CORE: 18171. WORDS

```

```

ROUTES,TT:=RK0:ROUTES

```

```

ERRORS DETECTED: 0
FREE CORE: 18171. WORDS

```

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*

```

SECTION C.4

The following list is the city file data base CTFILE. It contains the name of all the cities in the Cargo Security System in the Los Angeles area. The city names are in RADIX format and are nine characters in length.

	TITLE	CTFILE	.NLIST	BEX
			.GLOBL	CTFILE
5	000000 045401	CTFILE:	.RAD50	/L ANGELES/
6	000006 045450		.RAD50	/LA COUNTY/
7	000014 05:604		.RAD50	/MNTTEBELLO/
8	000022 047366		.RAD50	/LYNWOOD /
9	000030 062072		.RAD50	/PARAMOUNT/
10	00036 015557		.RAD50	/DOWNEY /
11	00044 05:604		.RAD50	/MNTY PRK/
12	00052 07:353		.RAD50	/ROSEMEAD /
13	00060 004050		.RAD50	/ALHAMBRA /
14	00066 012445		.RAD50	/COMPTON /
15	00074 073307		.RAD50	/S GATE /
16	00102 046467		.RAD50	/LNG BEACH/
17	00110 013014		.RAD50	/CUDAHY /
18	00116 006524		.RAD50	/BELL /
19	00124 006207		.RAD50	/B GARDENS/
20	00132 032104		.RAD50	/HNTG PARK/
21	00140 105132		.RAD50	/VERNON /
22	00146 012445		.RAD50	/COMMERCE /
23	00154 006524		.RAD50	/BELLFLOWR/
24	00162 01:372		.RAD50	/CARSON /
25	00170 073746		.RAD50	/SGNL HILL/
26	00176 110464		.RAD50	/WILLOWBRK/
27	00204 050601		.RAD50	/MAYWOOD /
28	00212 062207		.RAD50	/PCO RVERA/
29	00220 073305		.RAD50	/S EL MNT/
30	00226 020440		.RAD50	/EL MONTE /
31	00234 025772		.RAD50	/GARDENA /
32	00242 110411		.RAD50	/WHITTIER /
33	00250 045463		.RAD50	/LAKEWOOD /
34	00256 110464		.RAD50	/WILLOWPRK/
35	00264 007715		.RAD50	/BUENA PRK/
36	00272 01:632		.RAD50	/CERRITOS /
37	00300 020440		.RAD50	/EL SGUNDO/
38	00306 03:077		.RAD50	/HAWTHORNE/
39	00314 032335		.RAD50	/HRMOSA BH/
40	00322 035167		.RAD50	/INGLEWOOD/
41	00330 045450		.RAD50	/LA MIRADA/
42	00336 045477		.RAD50	/LAWDALE /
43	00344 046545		.RAD50	/LOMITA /
44	00352 05:570		.RAD50	/MNTAN BH/
45	00360 054752		.RAD50	/NORWALK /
46	00366 062064		.RAD50	/PALOS VDS/
47	00374 070457		.RAD50	/RDONDO BH/
48	00402 07:154		.RAD50	/RLLNG HLS/
49	00410 074404		.RAD50	/SNTA F SP/
50	00416 077552		.RAD50	/TORRANCE /
1				
2	00424 045401		.RAD50	/L ALAMITOS/
3	00434 073366		.RAD50	/SAN PEDRO/
4	00442 032144		.RAD50	/HOLLYWOOD/
5	00450 045403		.RAD50	/L COYOTES/

56	00456	004444	.RAD50	/ARTESIA	/
57	00464	060221	.RAD50	/ORANGE CO	/
58	00472	000000	.RAD50	/	/
59		000000	.END	CTFILE	

CTFILE RT-11 VM02-12 19-MAY-77 00:00:39 PAGE 14
SYMBOL TABLE

CTFILE 000000RG
.ABS. 000000 000
000500 001

ERRORS DETECTED: 0
FREE CORE: 18012. WORDS

DX1:CTFILE.LP:=DX1:CTFILE

SECTION C.5

The VREF, vehicle reference file, is listed in this section. It contains vehicle information such as the vehicle number, model, make, color, valid routes, location, and status information.



1	.TITLE	VREF	
2		.NLIST BEX	
3		.GLOBL VREF	
4			
5		TRANSCON NO.1	
6			
7	000000 000003	VREF: .WORD 3.	: VEHICLE ID
8	000002 107	.ASCII /GIJLYA/	: RAM LOAD
9	000010 160	.BYTE 160.121	
10	00012 003107	.WORD 1607..1232.	: ABSOLUTE PHASE DATA
11	00016 006154	.WORD 3180..3181.	: STREET POINTERS
12	00022 055	.BYTE 45..40	: CITY POINTER AND DIRECTION
13	00024 000012	.WORD 10..10..10.	: LAST REPORT TIME
14	00032 063770	.WORD 26616..9420.	: X.Y LOCATION
15	00036 177	.BYTE 177.177	: SENSOR CMRS ENABLED
16	00040 014	.BYTE 12..11.	: STOP TIME
17	00042 023012	.WORD 23012	: SIGNPOST NUMBER
18	00044 000	.BYTE 0.0	: ROLL-OVER REG
19	00046 000	.BYTE 0.0	: PHIA & PHIB
20	00050 070	.ASCII /881 /	: VEHICLE NUMBER
21	00054 111	.ASCII /INTL/	: MAKE
22	00060 102	.ASCII /BOBTAIL /	: MODEL
23	00070 132	.ASCII /212901 /	: LICENSE NO.
24	00100 061	.ASCII /125 /	: ROUTE NUMBER
25		.BLKW 12.	: DISPATCH STATION ADDRESS
26	00136 061	.ASCII /10/	: LAST STOP TIME, HOURS
27	00140 061	.ASCII /10/	: LAST STOP TIME, MINUTES
28	00142 003107	.WORD 1607..1232.	: SIGNPOST REFERENCE
29	00146 000000	.WORD 0	: SAME LOCATION TIME BUFR
30	00150 000000	.WORD 0	: SAME LOCATION DEL TIMEBUFR
31	00152 000000	.WORD 0	: DURATION FOR DELIVERY STOP
32	00154 000000	.WORD 0	: ADDRESS OR AV FILE
33	00156 000000	.WORD 0	: DISTANCE TO INTERSECTION
34		.BLKW 200.	: FILL OUT BLOCK
35			
36		TRANSCON NO.2	
37			
38	01000 000025	.WORD 21.	: VEHICLE ID
39	01002 107	.ASCII /GIJLYA/	: RAM LOAD
40	01010 160	.BYTE 160.121	
41	01012 003107	.WORD 1607..1232.	: ABSOLUTE PHASE DATA
42	01016 006154	.WORD 3180..3181.	: STREET POINTERS
43	01022 055	.BYTE 45..40	: CITY POINTER AND DIRECTION
44	01024 000012	.WORD 10..10..10.	: LAST REPORT TIME
45	01032 063770	.WORD 26616..9420.	: X.Y LOCATION
46	01036 177	.BYTE 177.177	: SENSOR CMRS ENABLED
47	01040 014	.BYTE 12..11.	: STOP TIME
48	01042 023012	.WORD 23012	: SIGNPOST NUMBER
49	01044 000	.BYTE 0.0	: ROLL-OVER REG
50	01046 000	.BYTE 0.0	: PHIA & PHIB
51	01050 070	.ASCII /882 /	: VEHICLE NUMBER
52	01054 111	.ASCII /INTL/	: MAKE
53	01060 102	.ASCII /BOBTAIL /	: MODEL

54 01070	132	.ASCII	/Z12902 /	: LICENSE NO.
55 01100	061	.ASCII	/134 /	: ROUTE NUMBER
56		.BLKW	12.	: DISPATCH STATION ADDRESS
57 01136	061	.ASCII	/12/	: LAST STOP TIME, HOURS
58 01140	061	.ASCII	/11/	: LAST STOP TIME, MINUTES
59 01142	003107	.WORD	1607..1232.	: SIGNPOST REFERENCE
60 01146	000000	.WORD	0	: SAME LOCATION TIME BUFR
61 01150	000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
62 01152	000000	.WORD	0	: DURATION FOR DELIVERY STOP
63 01154	000000	.WORD	0	: ADDRESS OR AV FILE
64 01156	000000	.WORD	0	: DISTANCE TO INTERSECTION
65		.BLKW	200.	: FILL OUT BLOCK

TRANSCON NO. 3

69 02000	000015	.WORD	13.	: VEHICLE ID
70 02002	107	.ASCII	/GIJLYN/	: RAM LOAD
71 02010	160	.BYTE	160.121	
72 02012	003107	.WORD	1607..1232.	: ABSOLUTE PHASE DATA
73 02016	006154	.WORD	3180..3181.	: STREET POINTERS
74 02022	055	.BYTE	45..40	: CITY POINTER AND DIRECTION
75 02024	000012	.WORD	10..10..10.	: LAST REPORT TIME
76 02032	063770	.WORD	26616..9420.	: X,Y LOCATION
77 02036	177	.BYTE	177.177	: SENSOR CMRS ENABLED
78 02040	014	.BYTE	12..11.	: STOP TIME
79 02042	023012	.WORD	23012	: SIGNPOST NUMBER
80 02044	000	.BYTE	0.0	: ROLL-OVER REG
81 02046	000	.BYTE	0.0	: PHIA & PHIB
82 02050	070	.ASCII	/085 /	: VEHICLE NUMBER
83 02054	111	.ASCII	/INTL/	: MAKE
84 02060	102	.ASCII	/BOBTAIL /	: MODEL
85 02070	132	.ASCII	/Z12912 /	: LICENSE NO.
86 02100	061	.ASCII	/129 /	: ROUTE NUMBER
87		.BLKW	12.	: DISPATCH STATION ADDRESS
88 02136	061	.ASCII	/12/	: LAST STOP TIME, HOURS
89 02140	061	.ASCII	/11/	: LAST STOP TIME, MINUTES
90 02142	003107	.WORD	1607..1232.	: SIGNPOST REFERENCE
91 02146	000000	.WORD	0	: SAME LOCATION TIME BUFR
92 02150	000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
93 02152	000000	.WORD	0	: DURATION FOR DELIVERY STOP
94 02154	000000	.WORD	0	: ADDRESS OR AV FILE
95 02156	000000	.WORD	0	: DISTANCE TO INTERSECTION
96		.BLKW	200.	: FILL OUT BLOCK

TRANSCON NO.4

100 3000	000027	.WORD	23.	: VEHICLE ID
101 3002	107	.ASCII	/GIJLYN/	: RAM LOAD
102 3010	160	.BYTE	160.121	
103 3012	003107	.WORD	1607..1232.	: ABSOLUTE PHASE DATA
104 3016	006154	.WORD	3180..3181.	: STREET POINTERS
105 3022	055	.BYTE	45..40	: CITY POINTER AND DIRECTION
106 3024	000012	.WORD	10..10..10.	: LAST REPORT TIME

107 3032 063770	.WORD 26616..9420.	: X,Y LOCATION
108 3036 177	.BYTE 177.177	: SENSOR CMRS ENABLED
109 3040 014	.BYTE 12..11.	: STOP TIME
110 3042 023012	.WORD 23012	: SIGNPOST NUMBER
111 3044 000	.BYTE 0.0	: ROLL-OVER REG
112 3046 000	.BYTE 0.0	: PHIA & PHIB
113 3050 070	.ASCII /886 /	: VEHICLE NUMBER
114 3054 111	.ASCII /INTL/	: MAKE
115 3060 102	.ASCII /BOBTAIL /	: MODEL
116 3070 132	.ASCII /Z12914 /	: LICENSE NO.
117 3100 061	.ASCII /124 /	: ROUTE NUMBER
118	.BLKW 12.	: DISPATCH STATION ADDRESS
119 3136 061	.ASCII /12/	: LAST STOP TIME, HOURS
120 3140 061	.ASCII /11/	: LAST STOP TIME, MINUTES
121 3142 003107	.WORD 1607..1232.	: SIGNPOST REFERENCE
122 3146 000000	.WORD 0	: SAME LOCATION TIME BUFR
123 3150 000000	.WORD 0	: SAME LOCATION DEL TIMEBUFR
124 3152 000000	.WORD 0	: DURATION FOR DELIVERY STOP
125 3154 000000	.WORD 0	: ADDRESS OR AV FILE
126 3156 000000	.WORD 0	: DISTANCE TO INTERSECTION
127	.BLKW 200.	: FILL OUT BLOCK
128		
129	TRANSCOM NO. 5	
130		
131 4000 000035	.WORD 29.	: VEHICLE ID
132 4002 107	.ASCII /GIJLYA/	: RAM LOAD
133 4010 160	.BYTE 160.121	
134 4012 003107	.WORD 1607..1232.	: ABSOLUTE PHASE DATA
135 4016 006154	.WORD 3180..3181.	: STREET POINTERS
136 4022 055	.BYTE 45..40	: CITY POINTER AND DIRECTION
137 4024 000012	.WORD 10..10..10.	: LAST REPORT TIME
138 4032 063770	.WORD 26616..9420.	: X,Y LOCATION
139 4036 177	.BYTE 177.177	: SENSOR CMRS ENABLED
140 4040 014	.BYTE 12..11.	: STOP TIME
141 4042 023012	.WORD 23012	: SIGNPOST NUMBER
142 4044 000	.BYTE 0.0	: ROLL-OVER REG
143 4046 000	.BYTE 0.0	: PHIA & PHIB
144 4050 070	.ASCII /887 /	: VEHICLE NUMBER
145 4054 111	.ASCII /INTL/	: MAKE
146 4060 102	.ASCII /BOBTAIL /	: MODEL
147 4070 132	.ASCII /Z12920 /	: LICENSE NO.
148 4100 061	.ASCII /126 /	: ROUTE NUMBER
149	.BLKW 12.	: DISPATCH STATION ADDRESS
150 4136 061	.ASCII /12/	: LAST STOP TIME, HOURS
151 4140 061	.ASCII /11/	: LAST STOP TIME, MINUTES
152 4142 003107	.WORD 1607..1232.	: SIGNPOST REFERENCE
153 4146 000000	.WORD 0	: SAME LOCATION TIME BUFR
154 4150 000000	.WORD 0	: SAME LOCATION DEL TIMEBUFR
155 4152 000000	.WORD 0	: DURATION FOR DELIVERY STOP
156 4154 000000	.WORD 0	: ADDRESS OR AV FILE
157 4156 000000	.WORD 0	: DISTANCE TO INTERSECTION
158	.BLKW 200.	: FILL OUT BLOCK
159		

```

160      ;      TRANSCON NO. 6
161      ;
162 5000 000051 .WORD 41. ; VEHICLE ID
163 5002 107 .ASCII /GIJLYA/ ; RAM LOAD
164 5010 160 .BYTE 160,121
165 5012 003107 .WORD 1607..1232. ; ABSOLUTE PHASE DATA
166 5016 006154 .WORD 3180..3181. ; STREET POINTERS
167 5022 055 .BYTE 45..40 ; CITY POINTER AND DIRECTION
168 5024 000012 .WORD 10..10..10. ; LAST REPORT TIME
169 5032 063770 .WORD 26616..9420. ; X,Y LOCATION
170 5036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
171 5040 014 .BYTE 12..11. ; STOP TIME
172 5042 023012 .WORD 23012 ; SIGNPOST NUMBER
173 5044 000 .BYTE 0,0 ; ROLL-OVER REG
174 5046 000 .BYTE 0,0 ; PHIA & PHIB
175 5050 070 .ASCII /009 / ; VEHICLE NUMBER
176 5054 111 .ASCII /INTL/ ; MAKE
177 5060 102 .ASCII /BOBTAIL / ; MODEL
178 5070 132 .ASCII /Z12893 / ; LICENSE NO.
179 5100 061 .ASCII /141 / ; ROUTE NUMBER
180 .BLKW 12. ; DISPATCH STATION ADDRESS
181 5136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
182 5140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
183 5142 003107 .WORD 1607..1232. ; SIGNPOST REFERENCE
184 5146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
185 5150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
186 5152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
187 5154 000000 .WORD 0 ; ADDRESS OR AV FILE
188 5156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
189 .BLKW 200. ; FILL OUT BLOCK

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190      ;      TRANSCON NO 7
191      ;
192      ;
193 6000 000021 .WORD 17. ; VEHICLE ID
194 6002 107 .ASCII /GIJLYA/ ; RAM LOAD
195 6010 160 .BYTE 160,121
196 6012 003107 .WORD 1607..1232. ; ABSOLUTE PHASE DATA
197 6016 006154 .WORD 3180..3181. ; STREET POINTERS
198 6022 055 .BYTE 45..40 ; CITY POINTER AND DIRECTION
199 6024 000012 .WORD 10..10..10. ; LAST REPORT TIME
200 6032 063770 .WORD 26616..9420. ; X,Y LOCATION
201 6036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
202 6040 014 .BYTE 12..11. ; STOP TIME
203 6042 023012 .WORD 23012 ; SIGNPOST NUMBER
204 6044 000 .BYTE 0,0 ; ROLL-OVER REG
205 6046 000 .BYTE 0,0 ; PHIA & PHIB
206 6050 070 .ASCII /890 / ; VEHICLE NUMBER
207 6054 111 .ASCII /INTL/ ; MAKE
208 6060 102 .ASCII /BOBTAIL / ; MODEL
209 6070 132 .ASCII /Z12941 / ; LICENSE NO.
210 6100 061 .ASCII /135 / ; ROUTE NUMBER
211 .BLKW 12. ; DISPATCH STATION ADDRESS
212 6136 061 .ASCII /12/ ; LAST STOP TIME, HOURS

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213 6140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
214 6142 003107 .WORD 1607..1232. ; SIGNPOST REFERENCE
215 6146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
216 6150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
217 6152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
218 6154 000000 .WORD 0 ; ADDRESS OR AV FILE
219 6156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
220 .BLKW 200. ; FILL OUT BLOCK

```

TRANSCON NO. 8

```

224 7000 000011 .WORD 9. ; VEHICLE ID
225 7002 107 .ASCII /G1JLYA/ ; RAM LOAD
226 7010 160 .BYTE 160.121
227 7012 003107 .WORD 1607..1232. ; ABSOLUTE PHASE DATA
228 7016 006154 .WORD 3100..3181. ; STREET POINTERS
229 7022 055 .BYTE 45..40 ; CITY POINTER AND DIRECTION
230 7024 000012 .WORD 10..10..10. ; LAST REPORT TIME
231 7032 063770 .WORD 26616..9420. ; X,Y LOCATION
232 7036 177 .BYTE 177.177 ; SENSOR CMRS ENABLED
233 7040 014 .BYTE 12..11. ; STOP TIME
234 7042 023012 .WORD 23012 ; SIGNPOST NUMBER
235 7044 000 .BYTE 0.0 ; ROLL-OVER REG
236 7046 000 .BYTE 0.0 ; PHIA & PHIB
237 7050 070 .ASCII /891 / ; VEHICLE NUMBER
238 7054 111 .ASCII /INTL/ ; MAKE
239 7060 102 .ASCII /BOBTAIL / ; MODEL
240 7070 132 .ASCII /Z12922 / ; LICENSE NO.
241 7100 061 .ASCII /111 / ; ROUTE NUMBER
242 .BLKW 12. ; DISPATCH STATION ADDRESS
243 7136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
244 7140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
245 7142 003107 .WORD 1607..1232. ; SIGNPOST REFERENCE
246 7146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
247 7150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
248 7152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
249 7154 000000 .WORD 0 ; ADDRESS OR AV FILE
250 7156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
251 .BLKW 200. ; FILL OUT BLOCK

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TRANSCON NO.9

```

255 0000 000017 .WORD 15. ; VEHICLE ID
256 0002 107 .ASCII /G1JLYA/ ; RAM LOAD
257 0010 160 .BYTE 160.121
258 0012 003107 .WORD 1607..1232. ; ABSOLUTE PHASE DATA
259 0016 006154 .WORD 3100..3181. ; STREET POINTERS
260 0022 055 .BYTE 45..40 ; CITY POINTER AND DIRECTION
261 0024 000012 .WORD 10..10..10. ; LAST REPORT TIME
262 0032 063770 .WORD 26616..9420. ; X,Y LOCATION
263 0036 177 .BYTE 177.177 ; SENSOR CMRS ENABLED
264 0040 014 .BYTE 12..11. ; STOP TIME
265 0042 023012 .WORD 23012 ; SIGNPOST NUMBER

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266	0044	000	.BYTE	0.0	: ROLL-OVER REG
267	0046	000	.BYTE	0.0	: PHIA & PHIB
268	0050	070	.ASCII	/893 /	: VEHICLE NUMBER
269	0054	111	.ASCII	/INTL/	: MAKE
270	0060	102	.ASCII	/BOBTAIL /	: MODEL
271	0070	132	.ASCII	/Z12918 /	: LICENSE NO.
272	0100	061	.ASCII	/117 /	: ROUTE NUMBER
273			.BLKW	12.	: DISPATCH STATION ADDRESS
274	0136	061	.ASCII	/12/	: LAST STOP TIME, HOURS
275	0140	061	.ASCII	/11/	: LAST STOP TIME, MINUTES
276	0142	003107	.WORD	1607..1232.	: SIGNPOST REFERENCE
277	0146	000000	.WORD	0	: SAME LOCATION TIME BUFR
278	0150	000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
279	0152	000000	.WORD	0	: DURATION FOR DELIVERY STOP
280	0154	000000	.WORD	0	: ADDRESS OR AV FILE
281	0156	000000	.WORD	0	: DISTANCE TO INTERSECTION
282			.BLKW	200.	: FILL OUT BLOCK

TRANSCON NO. 10

286	1000	000041	.WORD	33.	: VEHICLE ID
287	1002	107	.ASCII	/GIJLYA/	: RAM LOAD
288	1010	160	.BYTE	160.121	
289	1012	003107	.WORD	1607..1232.	: ABSOLUTE PHASE DATA
290	1016	006154	.WORD	3180..3181.	: STREET POINTERS
291	1022	055	.BYTE	45..40	: CITY POINTER AND DIRECTION
292	1024	000012	.WORD	10..10..10.	: LAST REPORT TIME
293	1032	063770	.WORD	26616..9420.	: X,Y LOCATION
294	1036	177	.BYTE	177.177	: SENSOR CMRS ENABLED
295	1040	014	.BYTE	12..11.	: STOP TIME
296	1042	023012	.WORD	23012	: SIGNPOST NUMBER
297	1044	000	.BYTE	0.0	: ROLL-OVER REG
298	1046	000	.BYTE	0.0	: PHIA & PHIB
299	1050	070	.ASCII	/895 /	: VEHICLE NUMBER
300	1054	111	.ASCII	/INTL/	: MAKE
301	1060	102	.ASCII	/BOBTAIL /	: MODEL
302	1070	132	.ASCII	/Z12894 /	: LICENSE NO.
303	1100	061	.ASCII	/131 /	: ROUTE NUMBER
304			.BLKW	12.	: DISPATCH STATION ADDRESS
305	1136	061	.ASCII	/12/	
306	1140	061	.ASCII	/11/	: LAST STOP TIME, MINUTES
307	1142	003107	.WORD	1607..1232.	: SIGNPOST REFERENCE
308	1146	000000	.WORD	0	: SAME LOCATION TIME BUFR
309	1150	000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
310	1152	000000	.WORD	0	: DURATION FOR DELIVERY STOP
311	1154	000000	.WORD	0	: ADDRESS OR AV FILE
312	1156	000000	.WORD	0	: DISTANCE TO INTERSECTION
313			.BLKW	200.	: FILL OUT BLOCK

TRANSCON NO. 11

317	2000	000045	.WORD	37.	: VEHICLE ID
318	2002	107	.ASCII	/GIJLYA/	: RAM LOAD

319 2010 160	.BYTE	160,121	: ABSOLUTE PHASE DATA
320 2012 003107	.WORD	1607..1232.	: STREET POINTERS
321 2016 006154	.WORD	3180..3181.	: CITY POINTER AND DIRECTION
322 2022 055	.BYTE	45..40	: LAST REPORT TIME
323 2024 000012	.WORD	10..10..10.	: X,Y LOCATION
324 2032 063770	.WORD	26616..9420.	: SENSOR CMRS ENABLED
325 2036 177	.BYTE	177,177	: STOP TIME
326 2040 014	.BYTE	12..11.	: SIGNPOST NUMBER
327 2042 023012	.WORD	23012	: ROLL-OVER REG
328 2044 000	.BYTE	0,0	: PHIA & PHIB
329 2046 000	.BYTE	0,0	: VEHICLE NUMBER
330 2050 071	.ASCII	/922 /	: MAKE
331 2054 111	.ASCII	/INTL/	: MODEL
332 2060 102	.ASCII	/BOBTAIL /	: LICENSE NO.
333 2070 066	.ASCII	/646604 /	: ROUTE NUMBER
334 2100 061	.ASCII	/112 /	: DISPATCH STATION ADDRESS
335	.BLKW	12.	: LAST STOP TIME, HOURS
336 2136 061	.ASCII	/12/	: LAST STOP TIME, MINUTES
337 2140 061	.ASCII	/11/	: SIGNPOST REFERENCE
338 2142 003107	.WORD	1607..1232.	: SAME LOCATION TIME BUFR
339 2146 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
340 2150 000000	.WORD	0	: DURATION FOR DELIVERY STOP
341 2152 000000	.WORD	0	: ADDRESS OR AV FILE
342 2154 000000	.WORD	0	: DISTANCE TO INTERSECTION
343 2156 000000	.WORD	0	: FILL OUT BLOCK
344	.BLKW	200.	
345	:		
346	:	TRANSCON NO. 12	
347	:		
348 3000 000013	.WORD	11.	: VEHICLE ID
349 3002 107	.ASCII	/GIJLYA/	: RAM LOAD
350 3010 160	.BYTE	160,121	
351 3012 003107	.WORD	1607..1232.	: ABSOLUTE PHASE DATA
352 3016 006154	.WORD	3180..3181.	: STREET POINTERS
353 3022 055	.BYTE	45..40	: CITY POINTER AND DIRECTION
354 3024 000012	.WORD	10..10..10.	: LAST REPORT TIME
355 3032 063770	.WORD	26616..9420.	: X,Y LOCATION
356 3036 177	.BYTE	177,177	: SENSOR CMRS ENABLED
357 3040 014	.BYTE	12..11.	: STOP TIME
358 3042 023012	.WORD	23012	: SIGNPOST NUMBER
359 3044 000	.BYTE	0,0	: ROLL-OVER REG
360 3046 000	.BYTE	0,0	: PHIA & PHIB
361 3050 071	.ASCII	/924 /	: VEHICLE NUMBER
362 3054 111	.ASCII	/INTL/	: MAKE
363 3060 102	.ASCII	/BOBTAIL /	: MODEL
364 3070 066	.ASCII	/646364 /	: LICENSE NO.
365 3100 061	.ASCII	/122 /	: ROUTE NUMBER
366	.BLKW	12.	: DISPATCH STATION ADDRESS
367 3136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
368 3140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
369 3142 003107	.WORD	1607..1232.	: SIGNPOST REFERENCE
370 3146 000000	.WORD	0	: SAME LOCATION TIME BUFR
371 3150 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR

372 3152 000000	.WORD 0	: DURATION FOR DELIVERY STOP
373 3154 000000	.WORD 0	: ADDRESS OR AV FILE
374 3156 000000	.WORD 0	: DISTANCE TO INTERSECTION
375	.BLKW 200.	: FILL OUT BLOCK
376		
377		
378		
TRANSCON NO. 13		
379 4000 000037	.WORD 31.	: VEHICLE ID
380 4002 107	.ASCII /GIJLYA/	: RAM LOAD
381 4010 160	.BYTE 160.121	
382 4012 003107	.WORD 1607..1232.	: ABSOLUTE PHASE DATA
383 4016 006154	.WORD 3180..3181.	: STREET POINTERS
384 4022 055	.BYTE 45..40	: CITY POINTER AND DIRECTION
385 4024 000012	.WORD 10..10..10.	: LAST REPORT TIME
386 4032 063770	.WORD 26616..9420.	: X,Y LOCATION
387 4036 177	.BYTE 177.177	: SENSOR CMRS ENABLED
388 4040 014	.BYTE 12..11.	: STOP TIME
389 4042 023012	.WORD 23012	: SIGNPOST NUMBER
390 4044 000	.BYTE 0.0	: ROLL-OVER REG
391 4046 000	.BYTE 0.0	: PHIA & PHIB
392 4050 071	.ASCII /928 /	: VEHICLE NUMBER
393 4054 111	.ASCII /INTL/	: MAKE
394 4060 102	.ASCII /BOBTAIL /	: MODEL
395 4070 061	.ASCII /15006Z /	: LICENSE NO.
396 4100 061	.ASCII /135 /	: ROUTE NUMBER
397	.BLKW 12.	: DISPATCH STATION ADDRESS
398 4136 061	.ASCII /12/	: LAST STOP TIME, HOURS
399 4140 061	.ASCII /11/	: LAST STOP TIME, MINUTES
400 4142 003107	.WORD 1607..1232.	: SIGNPOST REFERENCE
401 4146 000000	.WORD 0	: SAME LOCATION TIME BUFR
402 4150 000000	.WORD 0	: SAME LOCATION DEL TIMEBUFR
403 4152 000000	.WORD 0	: DURATION FOR DELIVERY STOP
404 4154 000000	.WORD 0	: ADDRESS OR AV FILE
405 4156 000000	.WORD 0	: DISTANCE TO INTERSECTION
406	.BLKW 200.	: FILL OUT BLOCK

407		
408		
409		
TRANSCON NO. 14		
410 5000 000033	.WORD 27.	: VEHICLE ID
411 5002 107	.ASCII /GIJLYA/	: RAM LOAD
412 5010 160	.BYTE 160.121	
413 5012 003107	.WORD 1607..1232.	: ABSOLUTE PHASE DATA
414 5016 006154	.WORD 3180..3181.	: STREET POINTERS
415 5022 055	.BYTE 45..40	: CITY POINTER AND DIRECTION
416 5024 000012	.WORD 10..10..10.	: LAST REPORT TIME
417 5032 063770	.WORD 26616..9420.	: X,Y LOCATION
418 5036 177	.BYTE 177.177	: SENSOR CMRS ENABLED
419 5040 014	.BYTE 12..11.	: STOP TIME
420 5042 023012	.WORD 23012	: SIGNPOST NUMBER
421 5044 000	.BYTE 0.0	: ROLL-OVER REG
422 5046 000	.BYTE 0.0	: PHIA & PHIB
423 5050 071	.ASCII /933 /	: VEHICLE NUMBER
424 5054 111	.ASCII /INTL/	: MAKE

425 5060 102	.ASCII /BOBTAIL /	: MODEL
426 5070 107	.ASCII /GY6773 /	: LICENSE NO.
427 5100 061	.ASCII /110 /	: ROUTE NUMBER
428	.BLKW 12.	: DISPATCH STATION ADDRESS
429 5136 061	.ASCII /12/	: LAST STOP TIME, HOURS
430 5140 061	.ASCII /11/	:
431 5142 003107	.WORD 1607..1232.	: SIGNPOST REFERENCE
432 5146 000000	.WORD 0	: SAME LOCATION TIME BUFR
433 5150 000000	.WORD 0	: SAME LOCATION DEL TIMEBUFR
434 5152 000000	.WORD 0	: DURATION FOR DELIVERY STOP
435 5154 000000	.WORD 0	: ADDRESS OR AV FILE
436 5156 000000	.WORD 0	: DISTANCE TO INTERSECTION
437	.BLKW 200.	: FILL OUT BLOCK
438	:	
439	:	
440	:	
441 6000 000043	.WORD 35.	: VEHICLE ID
442 6002 107	.ASCII /GIJLYA/	: RAM LOAD
443 6010 160	.BYTE 160,121	
444 6012 003107	.WORD 1607..1232.	: ABSOLUTE PHASE DATA
445 6016 006154	.WORD 3180..3181.	: STREET POINTERS
446 6022 055	.BYTE 45..40	: CITY POINTER AND DIRECTION
447 6024 000012	.WORD 10..10..10.	: LAST REPORT TIME
448 6032 063770	.WORD 26616..9420.	: X.Y.LOCATION
449 6036 177	.BYTE 177,177	: SENSOR CMRS ENABLED
450 6040 014	.BYTE 12..11.	: STOP TIME
451 6042 023012	.WORD 23012	: SIGNPOST NUMBER
452 6044 000	.BYTE 0,0	: ROLL-OVER REG
453 6046 000	.BYTE 0,0	: PHIA & PHIB
454 6050 071	.ASCII /949 /	: VEHICLE NUMBER
455 6054 111	.ASCII /INTL/	: MAKE
456 6060 102	.ASCII /BOBTAIL /	: MODEL
457 6070 066	.ASCII /646354 /	: LICENSE NO.
458 6100 061	.ASCII /118 /	: ROUTE NUMBER
459	.BLKW 12.	: DISPATCH STATION ADDRESS
460 6136 061	.ASCII /12/	: LAST STOP TIME, HOURS
461 6140 061	.ASCII /11/	: LAST STOP TIME, MINUTES
462 6142 003107	.WORD 1607..1232.	: SIGNPOST REFERENCE
463 6146 000000	.WORD 0	: SAME LOCATION TIME BUFR
464 6150 000000	.WORD 0	: SAME LOCATION DEL TIMEBUFR
465 6152 000000	.WORD 0	: DURATION FOR DELIVERY STOP
466 6154 000000	.WORD 0	: ADDRESS OR AV FILE
467 6156 000000	.WORD 0	: DISTANCE TO INTERSECTION
468	.BLKW 200.	: FILL OUT BLOCK
469	:	
470	:	
471	:	
472 7000 000007	.WORD 7.	: VEHICLE ID
473 7002 107	.ASCII /GIJLYA/	: RAM LOAD
474 7010 160	.BYTE 160,121	
475 7012 003107	.WORD 1607..1232.	: ABSOLUTE PHASE DATA
476 7016 006154	.WORD 3180..3181.	: STREET POINTERS
477 7022 055	.BYTE 45..40	: CITY POINTER AND DIRECTION

TRANSCON NO. 15

TRANSCON NO.16

478 7024 000012	.WORD	10.,10.,10.	: LAST REPORT TIME
479 7032 063770	.WORD	26616.,9420.	: X,Y LOCATION
480 7036 177	.BYTE	177.177	: SENSOR CMRS ENABLED
481 7040 014	.BYTE	12.,11.	: STOP TIME
482 7042 023012	.WORD	23012	: SIGNPOST NUMBER
483 7044 000	.BYTE	0.0	: ROLL-OVER REG
484 7046 000	.BYTE	0.0	: PHIA & PHIB
485 7050 071	.ASCII	/963 /	: VEHICLE NUMBER
486 7054 111	.ASCII	/INTL/	: MAKE
487 7060 102	.ASCII	/BOBTAIL /	: MODEL
488 7070 061	.ASCII	/15085Z /	: LICENSE NO.
489 7100 061	.ASCII	/133 /	: ROUTE NUMBER
490	.BLKW	12.	: DISPATCH STATION ADDRESS
491 7136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
492 7140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
493 7142 003107	.WORD	1607.,1232.	: SIGNPOST REFERENCE
494 7146 000000	.WORD	0	: SAME LOCATION TIME BUFR
495 7150 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
496 7152 000000	.WORD	0	: DURATION FOR DELIVERY STOP
497 7154 000000	.WORD	0	: ADDRESS OR AV FILE
498 7156 000000	.WORD	0	: DISTANCE TO INTERSECTION
499	.BLKW	200.	: FILL OUT BLOCK
500	:		
501	:		
502	:		
503 0000 000005	.WORD	5.	: VEHICLE ID
504 0002 107	.ASCII	/GIJLYA/	: RAM LOAD
505 0010 160	.BYTE	160.121	
506 0012 003107	.WORD	1607.,1232.	: ABSOLUTE PHASE DATA
507 0016 006154	.WORD	3100.,3101.	: STREET POINTERS
508 0022 055	.BYTE	45.,40	: CITY POINTER AND DIRECTION
509 0024 000012	.WORD	10.,10.,10.	: LAST REPORT TIME
510 0032 063770	.WORD	26616.,9420.	: X,Y LOCATION
511 0036 177	.BYTE	177.177	: SENSOR CMRS ENABLED
512 0040 014	.BYTE	12.,11.	: STOP TIME
513 0042 023012	.WORD	23012	: SIGNPOST NUMBER
514 0044 000	.BYTE	0.0	: ROLL-OVER REG
515 0046 000	.BYTE	0.0	: PHIA & PHIB
516 0050 071	.ASCII	/967 /	: VEHICLE NUMBER
517 0054 111	.ASCII	/INTL/	: MAKE
518 0060 102	.ASCII	/BOBTAIL /	: MODEL
519 0070 061	.ASCII	/15406Z /	: LICENSE NO.
520 0100 061	.ASCII	/121 /	: ROUTE NUMBER
521	.BLKW	12.	: DISPATCH STATION ADDRESS
522 0136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
523 0140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
524 0142 003107	.WORD	1607.,1232.	: SIGNPOST REFERENCE
525 0146 000000	.WORD	0	: SAME LOCATION TIME BUFR
526 0150 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
527 0152 000000	.WORD	0	: DURATION FOR DELIVERY STOP
528 0154 000000	.WORD	0	: ADDRESS OR AV FILE
529 0156 000000	.WORD	0	: DISTANCE TO INTERSECTION
530	.BLKW	200.	: FILL OUT BLOCK

TRANSCON NO.17

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531      :
532      : TRANSCON NO. 18
533      :
534 1000 000031 .WORD 25. ; VEHICLE ID
535 1002 107 .ASCII /G1JLYA/ ; RAM LOAD
536 1010 160 .BYTE 160,121
537 1012 003107 .WORD 1607..1232. ; ABSOLUTE PHASE DATA
538 1016 006154 .WORD 3180..3181. ; STREET POINTERS
539 1022 055 .BYTE 45..40 ; CITY POINTER AND DIRECTION
540 1024 000012 .WORD 10..10..10. ; LAST REPORT TIME
541 1032 063770 .WORD 26616..9420. ; X,Y LOCATION
542 1036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
543 1040 014 .BYTE 12..11. ; STOP TIME
544 1042 023012 .WORD 23012 ; SIGNPOST NUMBER
545 1044 000 .BYTE 0,0 ; ROLL-OVER REG
546 1046 000 .BYTE 0,0 ; PHIA & PHIB
547 1050 071 .ASCII /985 / ; VEHICLE NUMBER
548 1054 111 .ASCII /INTL/ ; MAKE
549 1060 102 .ASCII /BOBTAIL / ; MODEL
550 1070 111 .ASCII /1831110 / ; LICENSE NO.
551 1100 061 .ASCII /120 / ; ROUTE NUMBER
552 .BLKW 12. ; DISPATCH STATION ADDRESS
553 1136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
554 1140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
555 1142 003107 .WORD 1607..1232. ; SIGNPOST REFERENCE
556 1146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
557 1150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
558 1152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
559 1154 000000 .WORD 0 ; ADDRESS OR AV FILE
560 1156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
561 .BLKW 200. ; FILL OUT BLOCK

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562      :
563      : TRANSCON TRUCKING NO. 19
564      :
565 2000 000055 .WORD 45. ; VEHICLE ID
566 2002 107 .ASCII /G1JLYA/ ; RAM LOAD
567 2010 160 .BYTE 160,121
568 2012 003107 .WORD 1607..1232. ; ABSOLUTE PHASE DATA
569 2016 006154 .WORD 3180..3181. ; STREET POINTERS
570 2022 055 .BYTE 45..40 ; CITY POINTER AND DIRECTION
571 2024 000012 .WORD 10..10..10. ; LAST REPORT TIME
572 2032 063770 .WORD 26616..9420. ; X,Y LOCATION
573 2036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
574 2040 014 .BYTE 12..11. ; STOP TIME
575 2042 023012 .WORD 23012 ; SIGNPOST NUMBER
576 2044 000 .BYTE 0,0 ; ROLL-OVER REG
577 2046 000 .BYTE 0,0 ; PHIA & PHIB
578 2050 060 .ASCII /069 / ; VEHICLE NUMBER
579 2054 111 .ASCII /INTL/ ; MAKE
580 2060 123 .ASCII /SEMI / ; MODEL
581 2070 111 .ASCII /IC06263 / ; LICENSE NO.
582 2100 061 .ASCII /107 / ; ROUTE NUMBER
583 .BLKW 12. ; DISPATCH STATION ADDRESS

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584 2136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
585 2140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
586 2142 003107 .WORD 1607..1232. ; SIGNPOST REFERENCE
587 2146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
588 2150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
589 2152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
590 2154 000000 .WORD 0 ; ADDRESS OR AV FILE
591 2156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
592 .BLKW 200. ; FILL OUT BLOCK
593
594 ; TRANSCON TRUCKING NO. 20
595
596 3000 000057 .WORD 47. ; VEHICLE ID
597 3002 107 .ASCII /GIJLYA/ ; RAM LOAD
598 3010 160 .BYTE 160.121
599 3012 003107 .WORD 1607..1232. ; ABSOLUTE PHASE DATA
600 3016 006154 .WORD 3180..3181. ; STREET POINTERS
601 3022 055 .BYTE 45..40 ; CITY POINTER AND DIRECTION
602 3024 000012 .WORD 10..10..10. ; LAST REPORT TIME
603 3032 063770 .WORD 26616..9420. ; X,Y LOCATION
604 3036 177 .BYTE 177.177 ; SENSOR CMRS ENABLED
605 3040 014 .BYTE 12..11. ; STOP TIME
606 3042 023012 .WORD 23012 ; SIGNPOST NUMBER
607 3044 000 .BYTE 0.0 ; ROLL-OVER REG
608 3046 000 .BYTE 0.0 ; PHIA & PHIB
609 3050 060 .ASCII /072 / ; VEHICLE NUMBER
610 3054 127 .ASCII /WHITE/ ; MAKE
611 3060 123 .ASCII /SEMI / ; MODEL
612 3070 071 .ASCII /975025 / ; LICENSE NO.
613 3100 061 .ASCII /108 / ; ROUTE NUMBER
614 .BLKW 12. ; DISPATCH STATION ADDRESS
615 3136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
616 3140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
617 3142 003107 .WORD 1607..1232. ; SIGNPOST REFERENCE
618 3146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
619 3150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
620 3152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
621 3154 000000 .WORD 0 ; ADDRESS OR AV FILE
622 3156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
623 .BLKW 200. ; FILL OUT BLOCK
624
625 ; GITRUCKING NO.1
626
627 4000 000026 .WORD 22. ; VEHICLE ID
628 4002 107 .ASCII /GIJLYA/ ; RAM LOAD
629 4010 160 .BYTE 160.121
630 4012 001323 .WORD 723..1727. ; ABSOLUTE PHASE DATA
631 4016 006154 .WORD 3180..3182. ; STREET POINTERS
632 4022 044 .BYTE 36..40 ; CITY POINTER AND DIRECTION
633 4024 000012 .WORD 10..10..10. ; LAST REPORT TIME
634 4032 066660 .WORD 28080..7180. ; X,Y LOCATION
635 4036 177 .BYTE 177.177 ; SENSOR CMRS ENABLED
636 4040 014 .BYTE 12..11. ; STOP TIME

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637 4042 023012 .WORD 23012 ; SIGNPOST NUMBER
638 4044 000 .BYTE 0.0 ; ROLL-OVER REG
639 4046 000 .BYTE 0.0 ; PHIA & PHIB
640 4050 061 .ASCII /132 / ; VEHICLE NUMBER
641 4054 111 .ASCII /INTL/ ; MAKE
642 4060 102 .ASCII /BOBTAIL / ; MODEL
643 4070 131 .ASCII /Y40341 / ; LICENSE NO.
644 4100 060 .ASCII /019 / ; ROUTE NUMBER
645 .BLKW 12. ; DISPATCH STATION ADDRESS
646 4136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
647 4140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
648 4142 00:323 .WORD 723..1727. ; SIGNPOST REFERENCE
649 4146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
650 4150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
651 4152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
652 4154 000000 .WORD 0 ; ADDRESS OR AV FILE
653 4156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
654 .BLKW 200. ; FILL OUT BLOCK
655 ;
656 ; GITRUCKING NO.2
657 ;
658 5000 000030 .WORD 24. ; VEHICLE ID
659 5002 107 .ASCII /GIJLYA/ ; RAM LOAD
660 5010 160 .BYTE 160.121
661 5012 00:323 .WORD 723..1727. ; ABSOLUTE PHASE DATA
662 5016 006154 .WORD 3180..3182. ; STREET POINTERS
663 5022 044 .BYTE 36..40 ; CITY POINTER AND DIRECTION
664 5024 000012 .WORD 10..10..10. ; LAST REPORT TIME
665 5032 066660 .WORD 20080..7180. ; X,Y LOCATION
666 5036 177 .BYTE 177.177 ; SENSOR CMRS ENABLED
667 5040 014 .BYTE 12..11. ; STOP TIME
668 5042 023012 .WORD 23012 ; SIGNPOST NUMBER
669 5044 000 .BYTE 0.0 ; ROLL-OVER REG
670 5046 000 .BYTE 0.0 ; PHIA & PHIB
671 5050 060 .ASCII /097 / ; VEHICLE NUMBER
672 5054 111 .ASCII /INTL/ ; MAKE
673 5060 102 .ASCII /BOBTAIL / ; MODEL
674 5070 131 .ASCII /Y83485 / ; LICENSE NO.
675 5100 060 .ASCII /020 / ; ROUTE NUMBER
676 .BLKW 12. ; DISPATCH STATION ADDRESS
677 5136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
678 5140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
679 5142 00:323 .WORD 723..1727. ; SIGNPOST REFERENCE
680 5146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
681 5150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
682 5152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
683 5154 000000 .WORD 0 ; ADDRESS OR AV FILE
684 5156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
685 .BLKW 200. ; FILL OUT BLOCK
686 ;
687 ; GITRUCKING NO.3
688 ;
689 6000 000002 .WORD 2. ; VEHICLE ID

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0 6002 107 .ASCII /GIJLYA/ ; RAM LOAD
1 6010 160 .BYTE 160.121 ;
2 6012 00.323 .WORD 723..1727. ; ABSOLUTE PHASE DATA
3 6016 006154 .WORD 3180..3182. ; STREET POINTERS
4 6022 044 .BYTE 36..40 ; CITY POINTER AND DIRECTION
5 6024 000012 .WORD 10..10..10. ; LAST REPORT TIME
6 6032 066660 .WORD 28080..7180. ; X,Y LOCATION
7 6036 177 .BYTE 177.177 ; SENSOR CMRS ENABLED
8 6040 014 .BYTE 12..11. ; STOP TIME
9 6042 023012 .WORD 23012 ; SIGNPOST NUMBER
0 6044 000 .BYTE 0.0 ; ROLL-OVER REG
1 6046 000 .BYTE 0.0 ; PHIA & PHIB
2 6050 060 .ASCII /074 / ; VEHICLE NUMBER
3 6054 111 .ASCII /INTL/ ; MAKE
4 6060 102 .ASCII /BOBTAIL / ; MODEL
5 6070 131 .ASCII /Y73750 / ; LICENSE NO.
6 6100 060 .ASCII /021 / ; ROUTE NUMBER
7 .BLKW 12. ; DISPATCH STATION ADDRESS
8 6136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
9 6140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
10 6142 00.323 .WORD 723..1727. ; SIGNPOST REFERENCE
11 6146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
12 6150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
13 6152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
14 6154 000000 .WORD 0 ; ADDRESS OR AV FILE
15 6156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
16 .BLKW 200. ; FILL OUT BLOCK
17 ;
18 ; GITRUCKING NO.4
19 ;
20 7000 000032 .WORD 26. ; VEHICLE ID
21 7002 107 .ASCII /GIJLYA/ ; RAM LOAD
22 7010 160 .BYTE 160.121 ;
23 7012 00.323 .WORD 723..1727. ; ABSOLUTE PHASE DATA
24 7016 006154 .WORD 3180..3182. ; STREET POINTERS
25 7022 044 .BYTE 36..40 ; CITY POINTER AND DIRECTION
26 7024 000012 .WORD 10..10..10. ; LAST REPORT TIME
27 7032 066660 .WORD 28080..7180. ; X,Y LOCATION
28 7036 177 .BYTE 177.177 ; SENSOR CMRS ENABLED
29 7040 014 .BYTE 12..11. ; STOP TIME
30 7042 023012 .WORD 23012 ; SIGNPOST NUMBER
31 7044 000 .BYTE 0.0 ; ROLL-OVER REG
32 7046 000 .BYTE 0.0 ; PHIA & PHIB
33 7050 060 .ASCII /078 / ; VEHICLE NUMBER
34 7054 111 .ASCII /INTL/ ; MAKE
35 7060 102 .ASCII /BOBTAIL / ; MODEL
36 7070 131 .ASCII /Y82254 / ; LICENSE NO.
37 7100 060 .ASCII /022 / ; ROUTE NUMBER
38 .BLKW 12. ; DISPATCH STATION ADDRESS
39 7136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
40 7140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
41 7142 00.323 .WORD 723..1727. ; SIGNPOST REFERENCE
42 7146 000000 .WORD 0 ; SAME LOCATION TIME BUFR

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43	7150	000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
44	7152	000000	.WORD	0	: DURATION FOR DELIVERY STOP
45	7154	000000	.WORD	0	: ADDRESS OR AV FILE
46	7156	000000	.WORD	0	: DISTANCE TO INTERSECTION
47			.BLKW	200.	: FILL OUT BLOCK

; GITRUCKING NO.5

751	0000	000016	.WORD	14.	: VEHICLE ID
752	0002	107	.ASCII	/GIJLYA/	: RAM LOAD
753	0010	160	.BYTE	160.121	
754	0012	001323	.WORD	723..1727.	: ABSOLUTE PHASE DATA
755	0016	006154	.WORD	3180..3182.	: STREET POINTERS
756	0022	044	.BYTE	36..40	: CITY POINTER AND DIRECTION
757	0024	000012	.WORD	10..10..10.	: LAST REPORT TIME
758	0032	066660	.WORD	20080..7180.	: X,Y LOCATION
759	0036	177	.BYTE	177.177	: SENSOR CMRS ENABLED
760	0040	014	.BYTE	12..11.	: STOP TIME
761	0042	023012	.WORD	23012	: SIGNPOST NUMBER
762	0044	000	.BYTE	0.0	: ROLL-OVER REG
763	0046	000	.BYTE	0.0	: PHIA & PHIB
764	0050	061	.ASCII	/145 /	: VEHICLE NUMBER
765	0054	111	.ASCII	/INTL/	: MAKE
766	0060	102	.ASCII	/BOBTAIL /	: MODEL
767	0070	131	.ASCII	/Y53764 /	: LICENSE NO.
768	0100	060	.ASCII	/022 /	: ROUTE NUMBER
769			.BLKW	12.	: DISPATCH STATION ADDRESS
770	0136	061	.ASCII	/12/	: LAST STOP TIME, HOURS
771	0140	061	.ASCII	/11/	: LAST STOP TIME, MINUTES
772	0142	001323	.WORD	723..1727.	: SIGNPOST REFERENCE
773	0146	000000	.WORD	0	: SAME LOCATION TIME BUFR
774	0150	000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
775	0152	000000	.WORD	0	: DURATION FOR DELIVERY STOP
776	0154	000000	.WORD	0	: ADDRESS OR AV FILE
777	0156	000000	.WORD	0	: DISTANCE TO INTERSECTION
778			.BLKW	200.	: FILL OUT BLOCK

; GITRUCKING NO.6

782	1000	000036	.WORD	30.	: VEHICLE ID
783	1002	107	.ASCII	/GIJLYA/	: RAM LOAD
784	1010	160	.BYTE	160.121	
785	1012	001323	.WORD	723..1727.	: ABSOLUTE PHASE DATA
786	1016	006154	.WORD	3180..3182.	: STREET POINTERS
787	1022	044	.BYTE	36..40	: CITY POINTER AND DIRECTION
788	1024	000012	.WORD	10..10..10.	: LAST REPORT TIME
789	1032	066660	.WORD	20080..7180.	: X,Y LOCATION
790	1036	177	.BYTE	177.177	: SENSOR CMRS ENABLED
791	1040	014	.BYTE	12..11.	: STOP TIME
792	1042	023012	.WORD	23012	: SIGNPOST NUMBER
793	1044	000	.BYTE	0.0	: ROLL-OVER REG
794	1046	000	.BYTE	0.0	: PHIA & PHIB
795	1050	061	.ASCII	/118 /	: VEHICLE NUMBER

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796 1054 111 .ASCII /INTL/ : MAKE
797 1060 102 .ASCII /BOBTAIL / : MODEL
798 1070 066 .ASCII /63705Y / : LICENSE NO.
799 1100 060 .ASCII /022 / : ROUTE NUMBER
800 .BLKW 12. : DISPATCH STATION ADDRESS
801 1136 061 .ASCII /12/ : LAST STOP TIME, HOURS
802 1140 061 .ASCII /11/ : LAST STOP TIME, MINUTES
803 1142 00:323 .WORD 723..1727. : SIGNPOST REFERENCE
804 1146 000000 .WORD 0 : SAME LOCATION TIME BUFR
805 1150 000000 .WORD 0 : SAME LOCATION DEL TIMEBUFR
806 1152 000000 .WORD 0 : DURATION FOR DELIVERY STOP
807 1154 000000 .WORD 0 : ADDRESS OR AV FILE
808 1156 000000 .WORD 0 : DISTANCE TO INTERSECTION
809 .BLKW 200. : FILL OUT BLOCK
810 :
811 : GITRUCKING NO. 7
812 :
813 2000 000024 .WORD 20. : VEHICLE ID
814 2002 107 .ASCII /GIJLYA/ : RAM LOAD
815 2010 160 .BYTE 160,121
816 2012 00:323 .WORD 723..1727. : ABSOLUTE PHASE DATA
817 2016 006154 .WORD 3180..3182. : STREET POINTERS
818 2022 044 .BYTE 36..40 : CITY POINTER AND DIRECTION
819 2024 000012 .WORD 10..10..10. : LAST REPORT TIME
820 2032 066660 .WORD 20000..7180. : X,Y LOCATION
821 2036 177 .BYTE 177,177 : SENSOR CMRS ENABLED
822 2040 014 .BYTE 12..11. : STOP TIME
823 2042 023012 .WORD 23012 : SIGNPOST NUMBER
824 2044 000 .BYTE 0,0 : ROLL-OVER REG
825 2046 000 .BYTE 0,0 : PHIA & PHIB
826 2050 061 .ASCII /152 / : VEHICLE NUMBER
827 2054 111 .ASCII /INTL/ : MAKE
828 2060 102 .ASCII /BOBTAIL / : MODEL
829 2070 131 .ASCII /Y64475 / : LICENSE NO.
830 2100 060 .ASCII /026 / : ROUTE NUMBER
831 .BLKW 12. : DISPATCH STATION ADDRESS
832 2136 061 .ASCII /12/ : LAST STOP TIME, HOURS
833 2140 061 .ASCII /11/ : LAST STOP TIME, MINUTES
834 2142 00:323 .WORD 723..1727. : SIGNPOST REFERENCE
835 2146 000000 .WORD 0 : SAME LOCATION TIME BUFR
836 2150 000000 .WORD 0 : SAME LOCATION DEL TIMEBUFR
837 2152 000000 .WORD 0 : DURATION FOR DELIVERY STOP
838 2154 000000 .WORD 0 : ADDRESS OR AV FILE
839 2156 000000 .WORD 0 : DISTANCE TO INTERSECTION
840 .BLKW 200. : FILL OUT BLOCK
841 :
842 : GITRUCKING NO. 8
843 :
844 3000 000014 .WORD 12. : VEHICLE ID
845 3002 107 .ASCII /GIJLYA/ : RAM LOAD
846 3010 160 .BYTE 160,121
847 3012 00:323 .WORD 723..1727. : ABSOLUTE PHASE DATA
848 3016 006154 .WORD 3180..3182. : STREET POINTERS

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849 3022 044	.BYTE	36..40	: CITY POINTER AND DIRECTION
850 3024 000012	.WORD	10..10..10.	: LAST REPORT TIME
851 3032 066660	.WORD	26000..7180.	: X.Y LOCATION
852 3036 177	.BYTE	177.177	: SENSOR CMRS ENABLED
853 3040 014	.BYTE	12..11.	: STOP TIME
854 3042 023012	.WORD	23012	: SIGNPOST NUMBER
855 3044 000	.BYTE	0.0	: ROLL-OVER REG
856 3046 000	.BYTE	0.0	: PHIA & PHIB
857 3050 060	.ASCII	/047 /	: VEHICLE NUMBER
858 3054 111	.ASCII	/INTL/	: MAKE
859 3060 102	.ASCII	/BOBTAIL /	: MODEL
860 3070 132	.ASCII	/Z14412 /	: LICENSE NO.
861 3100 060	.ASCII	/027 /	: ROUTE NUMBER
862	.BLKW	12.	: DISPATCH STATION ADDRESS
863 3136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
864 3140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
865 3142 00:323	.WORD	723..1727.	: SIGNPOST REFERENCE
866 3146 000000	.WORD	0	: SAME LOCATION TIME BUFR
867 3150 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
868 3152 000000	.WORD	0	: DURATION FOR DELIVERY STOP
869 3154 000000	.WORD	0	: ADDRESS OR AV FILE
870 3156 000000	.WORD	0	: DISTANCE TO INTERSECTION
871	.BLKW	200.	: FILL OUT BLOCK
872			
873			
874			
875 4000 000052	.WORD	42.	: VEHICLE ID
876 4002 107	.ASCII	/GIJLYA/	: RAM LOAD
877 4010 160	.BYTE	160.121	
878 4012 00:323	.WORD	723..1927.	: ABSOLUTE PHASE DATA
879 4016 006154	.WORD	3180..3182.	: STREET POINTERS
880 4022 044	.BYTE	36..40	: CITY POINTER AND DIRECTION
881 4024 000012	.WORD	10..10..10.	: LAST REPORT TIME
882 4032 066660	.WORD	26000..7180.	: X.Y LOCATION
883 4036 177	.BYTE	177.177	: SENSOR CMRS ENABLED
884 4040 014	.BYTE	12..11.	: STOP TIME
885 4042 023012	.WORD	23012	: SIGNPOST NUMBER
886 4044 000	.BYTE	0.0	: ROLL-OVER REG
887 4046 000	.BYTE	0.0	: PHIA & PHIB
888 4050 060	.ASCII	/069 /	: VEHICLE NUMBER
889 4054 111	.ASCII	/INTL/	: MAKE
890 4060 102	.ASCII	/BOBTAIL /	: MODEL
891 4070 065	.ASCII	/59203X /	: LICENSE NO.
892 4100 060	.ASCII	/030 /	: ROUTE NUMBER
893	.BLKW	12.	: DISPATCH STATION ADDRESS
894 4136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
895 4140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
896 4142 00:323	.WORD	723..1727.	: SIGNPOST REFERENCE
897 4146 000000	.WORD	0	: SAME LOCATION TIME BUFR
898 4150 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
899 4152 000000	.WORD	0	: DURATION FOR DELIVERY STOP
900 4154 000000	.WORD	0	: ADDRESS OR AV FILE
901 4156 000000	.WORD	0	: DISTANCE TO INTERSECTION

GITRUCKING NO. 9

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902          .BLKW 200.          ; FILL OUT BLOCK
903          ;
904          ; GITRUCKING NO. 10
905          ;
906 5000 000034 .WORD 20.          ; VEHICLE ID
907 5002 107 .ASCII /GIJLYA/      ; RAM LOAD
908 5010 160 .BYTE 160,121
909 5012 00:323 .WORD 723..1727.  ; ABSOLUTE PHASE DATA
910 5016 006154 .WORD 3180..3182.  ; STREET POINTERS
911 5022 044 .BYTE 36..40         ; CITY POINTER AND DIRECTION
912 5024 000012 .WORD 10..10..10.  ; LAST REPORT TIME
913 5032 066660 .WORD 28080..7180. ; X,Y LOCATION
914 5036 177 .BYTE 177,177        ; SENSOR CMRS ENABLED
915 5040 014 .BYTE 12..11.        ; STOP TIME
916 5042 023012 .WORD 23012        ; SIGNPOST NUMBER
917 5044 000 .BYTE 0,0            ; ROLL-OVER REG
918 5046 000 .BYTE 0,0            ; PHIA & PHIB
919 5050 061 .ASCII /121 /        ; VEHICLE NUMBER
920 5054 111 .ASCII /INTL/        ; MAKE
921 5060 102 .ASCII /BOBTAIL /    ; MODEL
922 5070 066 .ASCII /63726Y /    ; LICENSE NO.
923 5100 060 .ASCII /031 /        ; ROUTE NUMBER
924          .BLKW 12.          ; DISPATCH STATION ADDRESS
925 5136 061 .ASCII /12/          ; LAST STOP TIME, HOURS
926 5140 061 .ASCII /11/          ; LAST STOP TIME, MINUTES
927 5142 00:323 .WORD 723..1727.  ; SIGNPOST REFERENCE
928 5146 000000 .WORD 0           ; SAME LOCATION TIME BUFR
929 5150 000000 .WORD 0           ; SAME LOCATION DEL TIMEBUFR
930 5152 000000 .WORD 0           ; DURATION FOR DELIVERY STOP
931 5154 000000 .WORD 0           ; ADDRESS OR AV FILE
932 5156 000000 .WORD 0           ; DISTANCE TO INTERSECTION
933          .BLKW 200.          ; FILL OUT BLOCK
934          ;
935          ; GITRUCKING NO.11
936          ;
937 6000 000040 .WORD 32.          ; VEHICLE ID
938 6002 107 .ASCII /GIJLYA/      ; RAM LOAD
939 6010 160 .BYTE 160,121
940 6012 00:323 .WORD 723..1727.  ; ABSOLUTE PHASE DATA
941 6016 006154 .WORD 3180..3182.  ; STREET POINTERS
942 6022 044 .BYTE 36..40         ; CITY POINTER AND DIRECTION
943 6024 000012 .WORD 10..10..10.  ; LAST REPORT TIME
944 6032 066660 .WORD 28080..7180. ; X,Y LOCATION
945 6036 177 .BYTE 177,177        ; SENSOR CMRS ENABLED
946 6040 014 .BYTE 12..11.        ; STOP TIME
947 6042 023012 .WORD 23012        ; SIGNPOST NUMBER
948 6044 000 .BYTE 0,0            ; ROLL-OVER REG
949 6046 000 .BYTE 0,0            ; PHIA & PHIB
950 6050 060 .ASCII /058 /        ; VEHICLE NUMBER
951 6054 111 .ASCII /INTL/        ; MAKE
952 6060 102 .ASCII /BOBTAIL /    ; MODEL
953 6070 061 .ASCII /1B98573 /    ; LICENSE NO.
954 6100 063 .ASCII /33A /        ; ROUTE NUMBER

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955          .BLKW 12.          : DISPATCH STATION ADDRESS
956 6136      061          .ASCII /12/      : LAST STOP TIME, HOURS
957 6140      061          .ASCII /11/      : LAST STOP TIME, MINUTES
958 6142 00:323          .WORD 723..1727.   : SIGNPOST REFERENCE
959 6146 000000          .WORD 0           : SAME LOCATION TIME BUFR
960 6150 000000          .WORD 0           : SAME LOCATION DEL TIMEBUFR
961 6152 000000          .WORD 0           : DURATION FOR DELIVERY STOP
962 6154 000000          .WORD 0           : ADDRESS OR AV FILE
963 6156 000000          .WORD 0           : DISTANCE TO INTERSECTION
964          .BLKW 200.         : FILL OUT BLOCK
965          :
966          : GITRUCKING NO.12
967          :
968 7000 000010          .WORD 8.           : VEHICLE ID
969 7002      107          .ASCII /GIJLYA/   : RAM LOAD
970 7010      160          .BYTE 160.121    :
971 7012 00:323          .WORD 723..1727.   : ABSOLUTE PHASE DATA
972 7016 006154          .WORD 3180..3182.   : STREET POINTERS
973 7022      044          .BYTE 36..40     : CITY POINTER AND DIRECTION
974 7024 000012          .WORD 10..10..10.   : LAST REPORT TIME
975 7032 066660          .WORD 28080..7180.  : X,Y LOCATION
976 7036      177          .BYTE 177.177    : SENSOR CMRS ENABLED
977 7040      014          .BYTE 12..11.     : STOP TIME
978 7042 023012          .WORD 23012         : SIGNPOST NUMBER
979 7044      000          .BYTE 0.0         : ROLL-OVER REG
980 7046      000          .BYTE 0.0         : PHIA & PHIB
981 7050      060          .ASCII /032 /     : VEHICLE NUMBER
982 7054      111          .ASCII /INTL/     : MAKE
983 7060      102          .ASCII /BOBTAIL /  : MODEL
984 7070      132          .ASCII /Z14413 /   : LICENSE NO.
985 7100      060          .ASCII /033 /     : ROUTE NUMBER
986          .BLKW 12.          : DISPATCH STATION ADDRESS
987 7136      061          .ASCII /12/      : LAST STOP TIME, HOURS
988 7140      061          .ASCII /11/      : LAST STOP TIME, MINUTES
989 7142 00:323          .WORD 723..1727.   : SIGNPOST REFERENCE
990 7146 000000          .WORD 0           : SAME LOCATION TIME BUFR
991 7150 000000          .WORD 0           : SAME LOCATION DEL TIMEBUFR
992 7152 000000          .WORD 0           : DURATION FOR DELIVERY STOP
993 7154 000000          .WORD 0           : ADDRESS OR AV FILE
994 7156 000000          .WORD 0           : DISTANCE TO INTERSECTION
995          .BLKW 200.         : FILL OUT BLOCK
996          :
997          : GITRUCKING NO.13
998          :
999 0000 000046          .WORD 38.           : VEHICLE ID
1000 0002      107          .ASCII /GIJLYA/   : RAM LOAD
1001 010      160          .BYTE 160.121    :
1002 012 00:323          .WORD 723..1727.   : ABSOLUTE PHASE DATA
1003 016 006154          .WORD 3180..3182.   : STREET POINTERS
1004 022      044          .BYTE 36..40     : CITY POINTER AND DIRECTION
1005 024 000012          .WORD 10..10..10.   : LAST REPORT TIME
1006 032 066660          .WORD 28080..7180.  : X,Y LOCATION
1007 036      177          .BYTE 177.177    : SENSOR CMRS ENABLED

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1008 040 014 .BYTE 12.,11. ; STOP TIME
1009 042 023012 .WORD 23012 ; SIGNPOST NUMBER
1010 044 000 .BYTE 0,0 ; ROLL-OVER REG
1011 046 000 .BYTE 0,0 ; PHIA & PHIB
1012 050 060 .ASCII /030 / ; VEHICLE NUMBER
1013 054 111 .ASCII /INTL/ ; MAKE
1014 060 102 .ASCII /BOBTAIL / ; MODEL
1015 070 065 .ASCII /57630X / ; LICENSE NO.
1016 100 060 .ASCII /035 / ; ROUTE NUMBER
1017 .BLKW 12. ; DISPATCH STATION ADDRESS
1018 136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
1019 140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
1020 142 00:323 .WORD 723.,1727. ; SIGNPOST REFERENCE
1021 146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
1022 150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
1023 152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
1024 154 000000 .WORD 0 ; ADDRESS OR AV FILE
1025 156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
1026 .BLKW 200. ; FILL OUT BLOCK
1027
1028 : GITRUCKING NO.14
1029 :
1030 000 000020 .WORD 16. ; VEHICLE ID
1031 002 107 .ASCII /GIJLYA/ ; RAM LOAD
1032 010 160 .BYTE 160,121
1033 012 00:323 .WORD 723.,1727. ; ABSOLUTE PHASE DATA
1034 016 006154 .WORD 3180.,3182. ; STREET POINTERS
1035 022 044 .BYTE 36.,40 ; CITY POINTER AND DIRECTION
1036 024 000012 .WORD 10.,10.,10. ; LAST REPORT TIME
1037 032 066660 .WORD 28080.,7180. ; X,Y LOCATION
1038 036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
1039 040 014 .BYTE 12.,11. ; STOP TIME
1040 042 023012 .WORD 23012 ; SIGNPOST NUMBER
1041 044 000 .BYTE 0,0 ; ROLL-OVER REG
1042 046 000 .BYTE 0,0 ; PHIA & PHIB
1043 050 060 .ASCII /070 / ; VEHICLE NUMBER
1044 054 111 .ASCII /INTL/ ; MAKE
1045 060 102 .ASCII /BOBTAIL / ; MODEL
1046 070 130 .ASCII /X69383 / ; LICENSE NO.
1047 100 060 .ASCII /036 / ; ROUTE NUMBER
1048 .BLKW 12. ; DISPATCH STATION ADDRESS
1049 136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
1050 140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
1051 142 00:323 .WORD 723.,1727. ; SIGNPOST REFERENCE
1052 146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
1053 150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
1054 152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
1055 154 000000 .WORD 0 ; ADDRESS OR AV FILE
1056 156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
1057 .BLKW 200. ; FILL OUT BLOCK
1058
1059 : GITRUCKING NO.15
1060 :

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1061 000 000054	.WORD	44.	: VEHICLE ID
1062 002 107	.ASCII	/GIJLYA/	: RAM LOAD
1063 010 160	.BYTE	160.121	
1064 012 00:323	.WORD	723..1727.	: ABSOLUTE PHASE DATA
1065 016 006154	.WORD	3180..3182.	: STREET POINTERS
1066 022 044	.BYTE	36..40	: CITY POINTER AND DIRECTION
1067 024 000012	.WORD	10..10..10.	: LAST REPORT TIME
1068 032 066660	.WORD	28080..7180.	: X.Y LOCATION
1069 036 177	.BYTE	177.177	: SENSOR CMRS ENABLED
1070 040 014	.BYTE	12..11.	: STOP TIME
1071 042 023012	.WORD	23012	: SIGNPOST NUMBER
1072 044 000	.BYTE	0.0	: ROLL-OVER REG
1073 046 000	.BYTE	0.0	: PHIA & PHIB
1074 050 060	.ASCII	/094 /	: VEHICLE NUMBER
1075 054 106	.ASCII	/FORD/	: MAKE
1076 060 102	.ASCII	/BOBTAIL /	: MODEL
1077 070 061	.ASCII	/1D39041 /	: LICENSE NO.
1078 100 060	.ASCII	/037 /	: ROUTE NUMBER
1079	.BLKW	12.	: DISPATCH STATION ADDRESS
1080 136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
1081 140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
1082 142 00:323	.WORD	723..1727.	: SIGNPOST REFERENCE
1083 146 000000	.WORD	0	: SAME LOCATION TIME BUFR
1084 150 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
1085 152 000000	.WORD	0	: DURATION FOR DELIVERY STOP
1086 154 000000	.WORD	0	: ADDRESS OR AV FILE
1087 156 000000	.WORD	0	: DISTANCE TO INTERSECTION
1088	.BLKW	200.	: FILL OUT BLOCK
1089			
1090			
1091			
1092 000 000004	.WORD	4.	: VEHICLE ID
1093 002 107	.ASCII	/GIJLYA/	: RAM LOAD
1094 010 160	.BYTE	160.121	
1095 012 00:323	.WORD	723..1727.	: ABSOLUTE PHASE DATA
1096 016 006154	.WORD	3180..3182.	: STREET POINTERS
1097 022 044	.BYTE	36..40	: CITY POINTER AND DIRECTION
1098 024 000012	.WORD	10..10..10.	: LAST REPORT TIME
1099 032 066660	.WORD	28080..7180.	: X.Y LOCATION
1100 036 177	.BYTE	177.177	: SENSOR CMRS ENABLED
1101 040 014	.BYTE	12..11.	: STOP TIME
1102 042 023012	.WORD	23012	: SIGNPOST NUMBER
1103 044 000	.BYTE	0.0	: ROLL-OVER REG
1104 046 000	.BYTE	0.0	: PHIA & PHIB
1105 050 061	.ASCII	/144 /	: VEHICLE NUMBER
1106 054 111	.ASCII	/INTL/	: MAKE
1107 060 102	.ASCII	/BOBTAIL /	: MODEL
1108 070 131	.ASCII	/Y44467 /	: LICENSE NO.
1109 100 060	.ASCII	/048 /	: ROUTE NUMBER
1110	.BLKW	12.	: DISPATCH STATION ADDRESS
1111 136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
1112 140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
1113 142 00:323	.WORD	723..1727.	: SIGNPOST REFERENCE

: GITRUCKING NO.16

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1114 146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
1115 150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
1116 152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
1117 154 000000 .WORD 0 ; ADDRESS OR AV FILE
1118 156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
1119 .BLKW 200. ; FILL OUT BLOCK
1120
1121 ; GITRUCKING NO.17
1122
1123 000 000044 .WORD 36. ; VEHICLE ID
1124 002 107 .ASCII /GIJLYA/ ; RAM LOAD
1125 010 160 .BYTE 160,121
1126 012 00:323 .WORD 723..1727. ; ABSOLUTE PHASE DATA
1127 016 006154 .WORD 3180..3182. ; STREET POINTERS
1128 022 044 .BYTE 36..40 ; CITY POINTER AND DIRECTION
1129 024 000012 .WORD 10..10..10. ; LAST REPORT TIME
1130 032 066660 .WORD 28080..7180. ; X,Y LOCATION
1131 036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
1132 040 014 .BYTE 12..11. ; STOP TIME
1133 042 023012 .WORD 23012 ; SIGNPOST NUMBER
1134 044 000 .BYTE 0,0 ; ROLL-OVER REG
1135 046 000 .BYTE 0,0 ; PHIA & PHIB
1136 050 061 .ASCII /131 / ; VEHICLE NUMBER
1137 054 111 .ASCII /INTL/ ; MAKE
1138 060 102 .ASCII /BOBTAIL / ; MODEL
1139 070 066 .ASCII /63727Y / ; LICENSE NO.
1140 100 060 .ASCII /032 / ; ROUTE NUMBER
1141 .BLKW 12. ; DISPATCH STATION ADDRESS
1142 136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
1143 140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
1144 142 00:323 .WORD 723..1727. ; SIGNPOST REFERENCE
1145 146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
1146 150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
1147 152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
1148 154 000000 .WORD 0 ; ADDRESS OR AV FILE
1149 156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
1150 .BLKW 200. ; FILL OUT BLOCK
1151
1152 ; GITRUCKING NO.18
1153
1154 000 000006 .WORD 06. ; VEHICLE ID
1155 002 107 .ASCII /GIJLYA/ ; RAM LOAD
1156 010 160 .BYTE 160,121
1157 012 00:323 .WORD 723..1727. ; ABSOLUTE PHASE DATA
1158 016 006154 .WORD 3180..3182. ; STREET POINTERS
1159 022 044 .BYTE 36..40 ; CITY POINTER AND DIRECTION
1160 024 000012 .WORD 10..10..10. ; LAST REPORT TIME
1161 032 066660 .WORD 28080..7180. ; X,Y LOCATION
1162 036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
1163 040 014 .BYTE 12..11. ; STOP TIME
1164 042 023012 .WORD 23012 ; SIGNPOST NUMBER
1165 044 000 .BYTE 0,0 ; ROLL-OVER REG
1166 046 000 .BYTE 0,0 ; PHIA & PHIB

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1167 050 061 .ASCII /153 / ; VEHICLE NUMBER
1168 054 111 .ASCII /INTL/ ; MAKE
1169 060 102 .ASCII /BOBTAIL / ; MODEL
1170 070 131 .ASCII /Y63455 / ; LICENSE NO.
1171 100 060 .ASCII /019 / ; ROUTE NUMBER
1172 .BLKW 12. ; DISPATCH STATION ADDRESS
1173 136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
1174 140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
1175 142 00:323 .WORD 723..1727. ; SIGNPOST REFERENCE
1176 146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
1177 150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
1178 152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
1179 154 000000 .WORD 0 ; ADDRESS OR AV FILE
1180 156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
1181 .BLKW 200. ; FILL OUT BLOCK
1182 ;
1183 ; GITRUCKING NO.19
1184 ;
1185 000 000042 .WORD 34. ; VEHICLE ID
1186 002 107 .ASCII /GIJLYA/ ; RAM LOAD
1187 010 160 .BYTE 160,121
1188 012 00:323 .WORD 723..1727. ; ABSOLUTE PHASE DATA
1189 016 006154 .WORD 3180..3182. ; STREET POINTERS
1190 022 044 .BYTE 36..40 ; CITY POINTER AND DIRECTION
1191 024 000012 .WORD 10..10..10. ; LAST REPORT TIME
1192 032 066660 .WORD 26000..7180. ; X,Y LOCATION
1193 036 177 .BYTE 177,177 ; SENSOR CMRS ENABLED
1194 040 014 .BYTE 12..11. ; STOP TIME
1195 042 023012 .WORD 23012 ; SIGNPOST NUMBER
1196 044 000 .BYTE 0,0 ; ROLL-OVER REG
1197 046 000 .BYTE 0,0 ; PHIA & PHIB
1198 050 060 .ASCII /077 / ; VEHICLE NUMBER
1199 054 111 .ASCII /INTL/ ; MAKE
1200 060 102 .ASCII /BOBTAIL / ; MODEL
1201 070 132 .ASCII /Z14397 / ; LICENSE NO.
1202 100 060 .ASCII /019 / ; ROUTE NUMBER
1203 .BLKW 12. ; DISPATCH STATION ADDRESS
1204 136 061 .ASCII /12/ ; LAST STOP TIME, HOURS
1205 140 061 .ASCII /11/ ; LAST STOP TIME, MINUTES
1206 142 00:323 .WORD 723..1727. ; SIGNPOST REFERENCE
1207 146 000000 .WORD 0 ; SAME LOCATION TIME BUFR
1208 150 000000 .WORD 0 ; SAME LOCATION DEL TIMEBUFR
1209 152 000000 .WORD 0 ; DURATION FOR DELIVERY STOP
1210 154 000000 .WORD 0 ; ADDRESS OR AV FILE
1211 156 000000 .WORD 0 ; DISTANCE TO INTERSECTION
1212 .BLKW 200. ; FILL OUT BLOCK
1213 ;
1214 ; GITRUCKING NO.20
1215 ;
1216 000 000022 .WORD 18. ; VEHICLE ID
1217 002 107 .ASCII /GIJLYA/ ; RAM LOAD
1218 010 160 .BYTE 160,121
1219 012 00:323 .WORD 723..1727. ; ABSOLUTE PHASE DATA

```

1220 016 006154	.WORD	3180..3182.	: STREET POINTERS
1221 022 044	.BYTE	36..40	: CITY POINTER AND DIRECTION
1222 024 000012	.WORD	10..10..10.	: LAST REPORT TIME
1223 032 066660	.WORD	20080..7180.	: X,Y LOCATION
1224 036 177	.BYTE	177.177	: SENSOR CMRS ENABLED
1225 040 014	.BYTE	12..11.	: STOP TIME
1226 042 023012	.WORD	23012	: SIGNPOST NUMBER
1227 044 000	.BYTE	0.0	: ROLL-OVER REG
1228 046 000	.BYTE	0.0	: PHIA & PHIB
1229 050 061	.ASCII	/140 /	: VEHICLE NUMBER
1230 054 111	.ASCII	/INTL/	: MAKE
1231 060 102	.ASCII	/BOBTAIL /	: MODEL
1232 070 131	.ASCII	/Y44466 /	: LICENSE NO.
1233 100 060	.ASCII	/019 /	: ROUTE NUMBER
1234	.BLKW	12.	: DISPATCH STATION ADDRESS
1235 136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
1236 140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
1237 142 001323	.WORD	723..1727.	: SIGNPOST REFERENCE
1238 146 000000	.WORD	0	: SAME LOCATION TIME BUFR
1239 150 000000	.WORD	0	: SAME LOCATION DEL TIMESUFR
1240 152 000000	.WORD	0	: DURATION FOR DELIVERY STOP
1241 154 000000	.WORD	0	: ADDRESS OR AV FILE
1242 156 000000	.WORD	0	: DISTANCE TO INTERSECTION
1243	.BLKW	200.	: FILL OUT BLOCK
1244			
1245 000000	.END	VREF	

1220 016 006154	.WORD	3180..3182.	: STREET POINTERS
1221 022 044	.BYTE	36..40	: CITY POINTER AND DIRECTION
1222 024 000012	.WORD	10..10..10.	: LAST REPORT TIME
1223 032 066660	.WORD	20000..7100.	: X,Y LOCATION
1224 036 177	.BYTE	177,177	: SENSOR CMRS ENABLED
1225 040 014	.BYTE	12..11.	: STOP TIME
1226 042 023012	.WORD	23012	: SIGNPOST NUMBER
1227 044 000	.BYTE	0,0	: ROLL-OVER REG
1228 046 000	.BYTE	0,0	: PHIA & PHIB
1229 050 061	.ASCII	/140 /	: VEHICLE NUMBER
1230 054 111	.ASCII	/INTL/	: MAKE
1231 060 102	.ASCII	/BOBTAIL /	: MODEL
1232 070 131	.ASCII	/Y44466 /	: LICENSE NO.
1233 100 060	.ASCII	/019 /	: ROUTE NUMBER
1234	.BLKW	12.	: DISPATCH STATION ADDRESS
1235 136 061	.ASCII	/12/	: LAST STOP TIME, HOURS
1236 140 061	.ASCII	/11/	: LAST STOP TIME, MINUTES
1237 142 00:323	.WORD	723..1727.	: SIGNPOST REFERENCE
1238 146 000000	.WORD	0	: SAME LOCATION TIME BUFR
1239 150 000000	.WORD	0	: SAME LOCATION DEL TIMEBUFR
1240 152 000000	.WORD	0	: DURATION FOR DELIVERY STOP
1241 154 000000	.WORD	0	: ADDRESS OR AV FILE
1242 156 000000	.WORD	0	: DISTANCE TO INTERSECTION
1243	.BLKW	200.	: FILL OUT BLOCK
1244			
1245 000000*	.END	VREF	

VREF RT-11 VM02-10 6-DEC-78 00:10:33 PAGE 1+
SYMBOL TABLE

VREF 000000RG
.ABS. 000000 000
050000 001

ERRORS DETECTED: 0
FREE CORE: .8236. WORDS

.LP:=VREF/C

VREF RT-11 VM02-10 6-DEC-70 00:10:33 PAGE S-1
CROSS REFERENCE TABLE (CREF V01-04)

VREF 1-3# 1-7# 1-<45

SECTION C.6

The following list is the telephone numbers data base, TELREF. It contains the telephone numbers of the police stations in the cities in the Los Angeles area. These telephone numbers correspond to the city file CTFIL; that is, the first telephone number in TELREF is for the police station in the first city in CTFIL, and the tenth telephone number is for the tenth city, etc. These numbers are in RADIX and are twelve characters in length.

1	TITLE	TELREF	
2		.NLIST BEX	
3		.GLOBL TELREF	
4	000000 146371	TELREF: .RAD50	/213 625 3311
5	000010 146371	.RAD50	/213 625 3311
6	000020 146371	.RAD50	/213 722 3600
7	000030 146371	.RAD50	/213 737 6111
8	000040 146371	.RAD50	/213 866 9061
9	000050 146371	.RAD50	/213 861 0771
10	000060 146371	.RAD50	/213 573 1311
11	000070 146371	.RAD50	/213 285 7171
12	00100 146371	.RAD50	/213 282 3141
13	00110 146371	.RAD50	/213 638 1131
14	00120 146371	.RAD50	/213 567 2222
15	00130 146371	.RAD50	/213 436 9811
16	00140 146371	.RAD50	/213 583 6241
17	00150 146371	.RAD50	/213 585 1245
18	00160 146371	.RAD50	/213 927 2681
19	00170 146371	.RAD50	/213 587 5211
20	00200 146371	.RAD50	/213 587 8135
21	00210 146371	.RAD50	/213 264 4151
22	00220 146371	.RAD50	/213 866 9061
23	00230 146371	.RAD50	/213 830 1123
24	00240 146371	.RAD50	/213 426 7311
25	00250 015546	.RAD50	/DONT NO
26	00260 146371	.RAD50	/213 588 2151
27	00270 146371	.RAD50	/213 949 2421
28	00300 146371	.RAD50	/213 579 6540
29	00310 146371	.RAD50	/213 575 2111
30	00320 146371	.RAD50	/213 323 7911
31	00330 015546	.RAD50	/DONT NO
32	00340 146371	.RAD50	/213 866 9061
33	00350 166072	.RAD50	/714 521 1121
34	00360 146371	.RAD50	/213 773 2822
35	00370 146371	.RAD50	/213 322 2424
36	00400 146371	.RAD50	/213 675 4446
37	00410 146371	.RAD50	/213 376 7981
38	00420 146371	.RAD50	/213 677 2121
39	00430 146371	.RAD50	/213 863 8711
40	00440 146371	.RAD50	/213 671 7531
41	00450 146371	.RAD50	/213 539 1611
42	00460 146371	.RAD50	/213 545 4566
43	00470 146371	.RAD50	/213 773 2447
44	00500 146371	.RAD50	/213 378 5211
45	00510 146371	.RAD50	/213 379 5411
46	00520 146371	.RAD50	/213 539 1661
47	00530 146371	.RAD50	/213 773 2447
48	00540 146371	.RAD50	/213 320 2611
49			
50	00550 015546	.RAD50	/DONT NO
51	00560 015546	.RAD50	/DONT NO
52	00570 015546	.RAD50	/DONT NO
53	00600 015546	.RAD50	/DONT NO
54	00610 015546	.RAD50	/DONT NO
55	00620 015546	.RAD50	/DONT NO

- : LOS ANGELES
- : LOS ANGELES COUNTY
- : MONTEBELLO
- : LYNWOOD
- : PARAMOUNT
- : DOWNEY
- : MONTEREY PARK
- : ROSEMEAD
- : ALHAMBRA
- : COMPTON
- : SOUTH GATE
- : LONG BEACH
- : CUDAHY
- : BELL
- : BELL GARDENS
- : HUNTINGTON PARK
- : VERNON
- : COMMERCE
- : BELL FLOWER
- : CARSON
- : SIGNAL HILL
- : WILLOWBROOK
- : MAYWOOD
- : PICO RIVERA
- : SOUTH EL MONTE
- : EL MONTE
- : GARDENA
- : WHITTIER
- : LAKEWOOD
- : BUENA PARK
- : CERRITOS
- : EL SEGUNDO
- : HAWTHORNE
- : HERMOSA BEACH
- : INGLEWOOD
- : LA MIRADA
- : LAWDALE
- : LOMITA
- : MANHATTAN BEACH
- : NORWALK
- : PALOS VERDES ESTATES
- : REDONDO BEACH
- : ROLLING HILLS ESTATES
- : SANTA FE SPRINGS
- : TORRANCE

Los Alamitos
San Pedro
Hollywood
Los Coyotes
Artesia
Orange County

213 625 3311

213 431 1344

213 825 3311

213 625 3311

213 625 3311

213 866 9061

714 834 3000

TELREF RT-11 00 VM02-12 19-MAY-77 00:05:10 PAGE 1+

56 000000* .END TELREF

RECEIVED
MAY 19 1977

TELREF RT-1 MICRO VM02-12 15-MAY-77 00:05:10 PAGE 14
SYMBOL TABLE

TELREF 000000RG
. ABS. 000000 000
000630 001

ERRORS DETECTED: 0
FREE CORE: 10268. WORDS

.LP:=DX1:TELREF

SECTION C.7

This section contains a listing of a file in the Recent History Data Base. This data base contains rotating files for each vehicle. Three days of data is kept on every vehicle, and each day the oldest file of data is overwritten with the current days information. A global variable in the system, 'TDFILE', indicates which file contains today's data. The file contains data concerning the date, time, location, and status information of a vehicle.



MS
BHAMSTC

1	.TITLE RHA830	
2	.NLIST BEX	
3	000000 000000	RHA830: .WORD 0
4	000002 000000	.WORD 0
5	000004 000000	.WORD 0,0,0,0,0,0,0
6	000022 000000	.WORD 0,0,0,0,0,0,0
7	000040 000000	.WORD 0,0,0,0,0,0,0
8	000056 000000	.WORD 0,0,0,0,0,0,0
9	000074 000000	.WORD 0,0,0,0,0,0,0
10	00112 000000	.WORD 0,0,0,0,0,0,0
11	00130 000000	.WORD 0,0,0,0,0,0,0
12	00146 000000	.WORD 0,0,0,0,0,0,0
13	00164 000000	.WORD 0,0,0,0,0,0,0
14	00202 000000	.WORD 0,0,0,0,0,0,0
15	00220 000000	.WORD 0,0,0,0,0,0,0
16	00236 000000	.WORD 0,0,0,0,0,0,0
17	00254 000000	.WORD 0,0,0,0,0,0,0
18	00272 000000	.WORD 0,0,0,0,0,0,0
19	00310 000000	.WORD 0,0,0,0,0,0,0
20	00326 000000	.WORD 0,0,0,0,0,0,0
21	00344 000000	.WORD 0,0,0,0,0,0,0
22	00362 000000	.WORD 0,0,0,0,0,0,0
23	00400 000000	.WORD 0,0,0,0,0,0,0
24	00416 000000	.WORD 0,0,0,0,0,0,0
25	00434 000000	.WORD 0,0,0,0,0,0,0
26	00452 000000	.WORD 0,0,0,0,0,0,0
27	00470 000000	.WORD 0,0,0,0,0,0,0
28	00506 000000	.WORD 0,0,0,0,0,0,0
29	00524 000000	.WORD 0,0,0,0,0,0,0
30	00542 000000	.WORD 0,0,0,0,0,0,0
31	00560 000000	.WORD 0,0,0,0,0,0,0
32	00576 000000	.WORD 0,0,0,0,0,0,0
33	00614 000000	.WORD 0,0,0,0,0,0,0
34	00632 000000	.WORD 0,0,0,0,0,0,0
35	00650 000000	.WORD 0,0,0,0,0,0,0
36	00666 000000	.WORD 0,0,0,0,0,0,0
37	00704 000000	.WORD 0,0,0,0,0,0,0
38	00722 000000	.WORD 0,0,0,0,0,0,0
39	00740 000000	.WORD 0,0,0,0,0,0,0
40	00756 000000	.WORD 0,0,0,0,0,0,0
41	00774 000000	.WORD 0,0
42	01000 000000	.WORD 0,0,0,0,0,0,0
43	01016 000000	.WORD 0,0,0,0,0,0,0
44	01034 000000	.WORD 0,0,0,0,0,0,0
45	01052 000000	.WORD 0,0,0,0,0,0,0
46	01070 000000	.WORD 0,0,0,0,0,0,0
47	01106 000000	.WORD 0,0,0,0,0,0,0
48	01124 000000	.WORD 0,0,0,0,0,0,0
49	01142 000000	.WORD 0,0,0,0,0,0,0
50	01160 000000	.WORD 0,0,0,0,0,0,0
51	01176 000000	.WORD 0,0,0,0,0,0,0
52	01214 000000	.WORD 0,0,0,0,0,0,0
53	01232 000000	.WORD 0,0,0,0,0,0,0
54	01250 000000	.WORD 0,0,0,0,0,0,0
55	01266 000000	.WORD 0,0,0,0,0,0,0

: BLKS THIS FILE
: RECORDS THIS FILE.

56	01304	000000	.WORD	0,0,0,0,0,0
57	01322	000000	.WORD	0,0,0,0,0,0
58	01340	000000	.WORD	0,0,0,0,0,0
59	01356	000000	.WORD	0,0,0,0,0,0
60	01374	000000	.WORD	0,0,0,0,0,0
61	01412	000000	.WORD	0,0,0,0,0,0
62	01430	000000	.WORD	0,0,0,0,0,0
63	01446	000000	.WORD	0,0,0,0,0,0
64	01464	000000	.WORD	0,0,0,0,0,0
65	01502	000000	.WORD	0,0,0,0,0,0
66	01520	000000	.WORD	0,0,0,0,0,0
67	01536	000000	.WORD	0,0,0,0,0,0
68	01554	000000	.WORD	0,0,0,0,0,0
69	01572	000000	.WORD	0,0,0,0,0,0
70	01610	000000	.WORD	0,0,0,0,0,0
71	01626	000000	.WORD	0,0,0,0,0,0
72	01644	000000	.WORD	0,0,0,0,0,0
73	01662	000000	.WORD	0,0,0,0,0,0
74	01700	000000	.WORD	0,0,0,0,0,0
75	01716	000000	.WORD	0,0,0,0,0,0
76	01734	000000	.WORD	0,0,0,0,0,0
77	01752	000000	.WORD	0,0,0,0,0,0
78	01770	000000	.WORD	0,0,0,0
79	02000	000000	.WORD	0,0,0,0,0,0
80	02016	000000	.WORD	0,0,0,0,0,0
81	02034	000000	.WORD	0,0,0,0,0,0
82	02052	000000	.WORD	0,0,0,0,0,0
83	02070	000000	.WORD	0,0,0,0,0,0
84	02106	000000	.WORD	0,0,0,0,0,0
85	02124	000000	.WORD	0,0,0,0,0,0
86	02142	000000	.WORD	0,0,0,0,0,0
87	02160	000000	.WORD	0,0,0,0,0,0
88	02176	000000	.WORD	0,0,0,0,0,0
89	02214	000000	.WORD	0,0,0,0,0,0
90	02232	000000	.WORD	0,0,0,0,0,0
91	02250	000000	.WORD	0,0,0,0,0,0
92	02266	000000	.WORD	0,0,0,0,0,0
93	02304	000000	.WORD	0,0,0,0,0,0
94	02322	000000	.WORD	0,0,0,0,0,0
95	02340	000000	.WORD	0,0,0,0,0,0
96	02356	000000	.WORD	0,0,0,0,0,0
97	02374	000000	.WORD	0,0,0,0,0,0
98	02412	000000	.WORD	0,0,0,0,0,0
99	02430	000000	.WORD	0,0,0,0,0,0
100	2446	000000	.WORD	0,0,0,0,0,0
101	2464	000000	.WORD	0,0,0,0,0,0
102	2502	000000	.WORD	0,0,0,0,0,0
103	2520	000000	.WORD	0,0,0,0,0,0
104	2536	000000	.WORD	0,0,0,0,0,0
105	2554	000000	.WORD	0,0,0,0,0,0
106	2572	000000	.WORD	0,0,0,0,0,0
107	2610	000000	.WORD	0,0,0,0,0,0
108	2626	000000	.WORD	0,0,0,0,0,0
109	2644	000000	.WORD	0,0,0,0,0,0
110	2662	000000	.WORD	0,0,0,0,0,0

111	2700	000000	.WORD	0,0,0,0,0,0,0	:
112	2716	000000	.WORD	0,0,0,0,0,0,0	:
113	2734	000000	.WORD	0,0,0,0,0,0,0	:
114	2752	000000	.WORD	0,0,0,0,0,0,0	:
115	2770	000000	.WORD	0,0,0,0	:
116	3000	000000	.WORD	0,0,0,0,0,0,0	:
117	3016	000000	.WORD	0,0,0,0,0,0,0	:
118	3034	000000	.WORD	0,0,0,0,0,0,0	:
119	3052	000000	.WORD	0,0,0,0,0,0,0	:
120	3070	000000	.WORD	0,0,0,0,0,0,0	:
121	3106	000000	.WORD	0,0,0,0,0,0,0	:
122	3124	000000	.WORD	0,0,0,0,0,0,0	:
123	3142	000000	.WORD	0,0,0,0,0,0,0	:
124	3160	000000	.WORD	0,0,0,0,0,0,0	:
125	3176	000000	.WORD	0,0,0,0,0,0,0	:
126	3214	000000	.WORD	0,0,0,0,0,0,0	:
127	3232	000000	.WORD	0,0,0,0,0,0,0	:
128	3250	000000	.WORD	0,0,0,0,0,0,0	:
129	3266	000000	.WORD	0,0,0,0,0,0,0	:
130	3304	000000	.WORD	0,0,0,0,0,0,0	:
131	3322	000000	.WORD	0,0,0,0,0,0,0	:
132	3340	000000	.WORD	0,0,0,0,0,0,0	:
133	3356	000000	.WORD	0,0,0,0,0,0,0	:
134	3374	000000	.WORD	0,0,0,0,0,0,0	:
135	3412	000000	.WORD	0,0,0,0,0,0,0	:
136	3430	000000	.WORD	0,0,0,0,0,0,0	:
137	3446	000000	.WORD	0,0,0,0,0,0,0	:
138	3464	000000	.WORD	0,0,0,0,0,0,0	:
139	3502	000000	.WORD	0,0,0,0,0,0,0	:
140	3520	000000	.WORD	0,0,0,0,0,0,0	:
141	3536	000000	.WORD	0,0,0,0,0,0,0	:
142	3554	000000	.WORD	0,0,0,0,0,0,0	:
143	3572	000000	.WORD	0,0,0,0,0,0,0	:
144	3610	000000	.WORD	0,0,0,0,0,0,0	:
145	3626	000000	.WORD	0,0,0,0,0,0,0	:
146	3644	000000	.WORD	0,0,0,0,0,0,0	:
147	3662	000000	.WORD	0,0,0,0,0,0,0	:
148	3700	000000	.WORD	0,0,0,0,0,0,0	:
149	3716	000000	.WORD	0,0,0,0,0,0,0	:
150	3734	000000	.WORD	0,0,0,0,0,0,0	:
151	3752	000000	.WORD	0,0,0,0,0,0,0	:
152	3770	000000	.WORD	0,0,0,0	:
153		000000	.END	RHA830	:

RHAB30 RT-1 RD VM02-12 22-JUN-77 00:17:10 PAGE 1+
SYMBOL TABLE.

RHAB30 000000R
. ABS. 000000 000
004000 001

ERRORS DETECTED: 0
FREE CORE: 18476. WORDS

.LP:=RHAB30

SECTION C.8

The following list is the Street File Data Base, STFILE. It contains the names of the streets in the Los Angeles area. The names are in RADIX format and are nine characters in length. Each street in the system has a street number which corresponds to the record number in the file.



1	.TITLE	STFILE
2	.NLIST	BEX
3	.GLOBL	STFILE
4	000000 03:324 STFILE:	.RAD50 /HELLMAN /
5	000006 062314	.RAD50 /PEDLEY /
6	000014 117165	.RAD50 /YNEZ /
7	000022 020515	.RAD50 /EMERSON /
8	000030 054137	.RAD50 /NEWMARK /
9	000036 03:072	.RAD50 /HARDING /
10	000044 07:333	.RAD50 /ROCA WAY /
11	000052 070530	.RAD50 /REPETTO /
12	000060 032526	.RAD50 /HUNTINGTN/
13	000066 01:372	.RAD50 /CARLOS /
14	000074 024125	.RAD50 /FREEMONT /
15	00102 03:574	.RAD50 /HITCHCOCK/
16	00110 020440	.RAD50 /EL PASEO /
17	00116 012001	.RAD50 /CHANDLER /
18	00124 05:647	.RAD50 /MOORE /
19	00132 020440	.RAD50 /EL MERCADO/
20	00140 050710	.RAD50 /MCPHERRIN/
21	00146 03:326	.RAD50 /HENDRICKS/
22	00154 007521	.RAD50 /BRADSHAW/
23	00162 027236	.RAD50 /GRNDRIDGE/
24	00170 020455	.RAD50 /ELMGATE /
25	00176 004164	.RAD50 /ANDRIX /
26	00204 023557	.RAD50 /FLORAL /
27	00212 070757	.RAD50 /RIGGIN /
28	00220 026645	.RAD50 /GLEASON /
29	00226 027221	.RAD50 /GRAYLOCK /
30	00234 05:272	.RAD50 /MIRAVALLE/
31	00242 007531	.RAD50 /BRIGHTWOOD/
32	00250 035471	.RAD50 /ISABELLA /
33	00256 046166	.RAD50 /LINCOLN /
34	00264 025772	.RAD50 /GARFIELD /
35	00272 057671	.RAD50 /OLYMPIC /
36	00300 105132	.RAD50 /VERONA /
37	00306 110411	.RAD50 /WHITTIER /
38	00314 032512	.RAD50 /HUBBARD /
39	00322 006526	.RAD50 /BENNETT /
40	00330 017557	.RAD50 /EAGLE /
41	00336 166116	.RAD50 /72ND /
42	00344 102571	.RAD50 /UNION PAC/
43	00352 022661	.RAD50 /FAIRFIELD/
44	00360 03:332	.RAD50 /HEREFORD /
45	00366 004054	.RAD50 /ALLSTON /
46	00374 03:101	.RAD50 /HAY /
47	00402 026232	.RAD50 /GERHART /
48	00410 073354	.RAD50 /SADLER /
49	00416 017573	.RAD50 /EASTMONT /
50	00424 050572	.RAD50 /MARGARET /
51	00432 03:564	.RAD50 /HILLVIEW /
52	00440 004554	.RAD50 /ATLANTIC /
53	00446 104606	.RAD50 /VANCOUVER/
54	00454 023132	.RAD50 /FERRIS /
55	00462 042632	.RAD50 /KERN /

111	1202	166004	.RAD50	/70TH	/
112	1210	146664	.RAD50	/26TH	/
113	1216	027225	.RAD50	/GREENLEAF	/
114	1224	163404	.RAD50	/68TH	/
115	1232	006266	.RAD50	/BANDINI	/
116	1240	062072	.RAD50	/PARK	/
117	1246	076462	.RAD50	/TAJAUTA	/
118	1254	062053	.RAD50	/PACIFIC	/
119	1262	107764	.RAD50	/WALNUT	/
120	1270	163454	.RAD50	/69TH	/
121	1276	154744	.RAD50	/44TH	/
122	1304	163334	.RAD50	/67TH	/
123	1312	045727	.RAD50	/LEONIS	/
124	1320	074005	.RAD50	/SHEILA	/
125	1326	004514	.RAD50	/ASTOR	/
126	1334	073366	.RAD50	/SANTA ANA	/
127	1342	074310	.RAD50	/SM FWY	/
128	1350	045520	.RAD50	/LB FWY	/
129	1356	074360	.RAD50	/SN B FWY	/
130	1364	075013	.RAD50	/SUCCESS	/
131	1372	100132	.RAD50	/TURNER	/
132	1400	025772	.RAD50	/GARNET	/
133	1406	063145	.RAD50	/POMONA FY	/
134	1414	014737	.RAD50	/DEWAR	/
135	1422	073500	.RAD50	/SCHOOL	/
136	1430	006536	.RAD50	/BEVERLY	/
137	1436	105351	.RAD50	/VIA CRONA	/
138	1444	106174	.RAD50	/VSEDLARRO	/
139	1452	023366	.RAD50	/FINDLAY	/
140	1460	020455	.RAD50	/ELM	/
141	1466	077731	.RAD50	/TRIGGS	/
142	1474	073366	.RAD50	/SANTA FE	/
143	1502	050574	.RAD50	/MATEC	/
144	1510	062064	.RAD50	/PALMATTO	/
145	1516	004041	.RAD50	/ALAMEDA	/
146	1524	050561	.RAD50	/MAIN	/
147	1532	007537	.RAD50	/BROADWAY	/
148	1540	062072	.RAD50	/PARMELEE	/
149	1546	051272	.RAD50	/MIRAMONTE	/
150	1554	012005	.RAD50	/CHERRY	/
151	1562	107764	.RAD50	/WALL	/
152	1570	073366	.RAD50	/SAN PEDRO	/
153	1576	042625	.RAD50	/KEMP	/
154	1604	054752	.RAD50	/NORTHWOOD	/
155	1612	043440	.RAD50	/KOHLE	/
156	1620	105357	.RAD50	/VIGNES	/
157	1626	031337	.RAD50	/HEWITT	/
158	1634	007361	.RAD50	/BOYLE	/
159	1642	004473	.RAD50	/ASCOT	/
160	1650	012445	.RAD50	/COMPTON	/
161	1656	006524	.RAD50	/BELL	/
162	1664	006301	.RAD50	/BAY	/
163	1672	026645	.RAD50	/GLENN	/
164	1700	026232	.RAD50	/GERAGHTY	/
165	1706	051032	.RAD50	/MERIDA	/

56 00470 050674	.RAD50 /MCDONNELL/
57 00476 023752	.RAD50 /FORD /
58 00504 11:047	.RAD50 /WOODS /
59 00512 03:066	.RAD50 /HANOVER /
60 00520 017573	.RAD50 /EASTERN /
61 00526 05:014	.RAD50 /MEDNICK /
62 00534 052162	.RAD50 /MTRY PASS/
63 00542 063331	.RAD50 /PRINCETON/
64 00550 07:357	.RAD50 /ROWAN /
65 00556 032525	.RAD50 /HUMPHRIES/
66 00564 03:102	.RAD50 /HAZARD /
67 00572-025757	.RAD50 /GAGE /
68 00600 015174	.RAD50 /DITMAN /
69 00606 03:553	.RAD50 /HICKS /
70 00614 070513	.RAD50 /RECORD /
71 00622 015557	.RAD50 /DOWNEY /
72 00630 023744	.RAD50 /FOLSOM /
73 00636 03:065	.RAD50 /HAMMEL /
74 00644 023373	.RAD50 /FISHER /
75 00652 05:253	.RAD50 /MICHIGAN /
76 00660 007537	.RAD50 /BROOKLYN /
77 00666 074065	.RAD50 /SIMMONS /
78 00674 012446	.RAD50 /CONCOURSE/
79 00702 050572	.RAD50 /MARIANA /
80 00710 075026	.RAD50 /SUNOL /
81 00716 02:110	.RAD50 /ESPARANZA/
82 00724 05:272	.RAD50 /MIRASOL /
83 00732 074505	.RAD50 /SPENCE /
84 00740 046552	.RAD50 /LORENA /
85 00746 02:213	.RAD50 /EUCLID /
86 00754 02:265	.RAD50 /EVERGREEN/
87 00762 05:654	.RAD50 /MYTT /
88 00770 023353	.RAD50 /FICKETT /
89 00776 074454	.RAD50 /SOTO /
90 01004 074740	.RAD50 /ST LOUIS /
91 01012 074741	.RAD50 /STATE /
92 01020 107752	.RAD50 /WABASH /
93 01026 007141	.RAD50 /BLANCHARD/
94 01034 050564	.RAD50 /MALABAR /
95 01042 037253	.RAD50 /JACKSON /
96 01050 142314	.RAD50 /1ST /
97 01056 062332	.RAD50 /PERCY /
98 01064 01:364	.RAD50 /CALZONA /
99 01072 062553	.RAD50 /PICO /
100 1100 143254	.RAD50 /11TH /
101 1106 160053	.RAD50 /71ST /
102 1114 03:072	.RAD50 /HARRISON /
103 1122 062075	.RAD50 /PAULINE /
104 1130 01:364	.RAD50 /CALDWELL /
105 1136 143204	.RAD50 /10TH /
106 1144 143324	.RAD50 /12TH /
107 1152 143444	.RAD50 /14TH /
108 1160 01:626	.RAD50 /CENTURY /
109 1166 107773	.RAD50 /WASHINGTON/
110 1174 023557	.RAD50 /FLOWER /

166	1714	01:626	.RAD50	/CENTRAL	/
167	1722	012455	.RAD50	/COUTS	/
168	1730	03:072	.RAD50	/HARBOR	/
169	1736	025772	.RAD50	/GARVEY	/
170	1744	160114	.RAD50	/55TH	/
171	1752	045520	.RAD50	/LB BLVD	/
172	1760	050554	.RAD50	/MADISON	/
173	1766	012245	.RAD50	/CLEVELAND	/
174	1774	07:353	.RAD50	/ROSEMEAD	/
175	2002	027221	.RAD50	/GRAVES	/
176	2010	006264	.RAD50	/BALTIMORE	/
177	2016	07:733	.RAD50	/RUSSELL	/
178	2024	004050	.RAD50	/ALHAMBRA	/
179	2032	073616	.RAD50	/SEFTON	/
180	2040	060221	.RAD50	/ORANGE	/
181	2046	063145	.RAD50	/POMELO	/
182	2054	070265	.RAD50	/RAMONA	/
183	2062	063154	.RAD50	/POT GRAND	/
184	2070	015552	.RAD50	/DOROTHY	/
185	2076	110411	.RAD50	/WHITMORE	/
186	2104	062072	.RAD50	/PARK	/
187	2112	023132	.RAD50	/FERN	/
188	2120	043251	.RAD50	/KLINGERMN	/
189	2126	07:733	.RAD50	/RUSH	/
190	2134	074745	.RAD50	/STEVENS	/
191	2142	025772	.RAD50	/GARVALIA	/
192	2150	037253	.RAD50	/JACKSON	/
193	2156	02:265	.RAD50	/EVELYN	/
194	2164	014724	.RAD50	/DEL MAR	/
195	2172	042624	.RAD50	/KELBURN	/
196	2200	024145	.RAD50	/FRUITLAND	/
197	2206	074360	.RAD50	/SN GABREL	/
198	2214	012001	.RAD50	/CHARLOTTE	/
199	2222	110656	.RAD50	/WLNUTGRVE	/
200	2230	006272	.RAD50	/BARTLETT	/
201	2236	052233	.RAD50	/MUSCATEL	/
202	2244	07:353	.RAD50	/ROSEMEAD	/
203	2252	046545	.RAD50	/LOMA	/
204	2260	077737	.RAD50	/TROY	/
205	2266	012011	.RAD50	/CHICO	/
206	2274	003345	.RAD50	/ADELIA	/
207	2302	073611	.RAD50	/SEAMAN	/
208	2310	05:032	.RAD50	/MERCEDE	/
209	2316	004041	.RAD50	/ALAMITOS	/
210	2324	015552	.RAD50	/DOREEN	/
211	2332	017767	.RAD50	/EDWARDS	/
212	2340	032161	.RAD50	/HOYT	/
213	2346	027221	.RAD50	/GRANADA	/
214	2354	045740	.RAD50	/LEXINGTON	/
215	2362	054136	.RAD50	/NEVADA	/
216	2370	012452	.RAD50	/CORTADA	/
217	2376	020440	.RAD50	/EL POCHE	/
218	2404	070525	.RAD50	/REMER	/
219	2412	049732	.RAD50	/LERNER	/
220	2420	022677	.RAD50	/FAWCETT	/

221	2426	062313	.RAD50	/PECK	/
222	2434	050570	.RAD50	/MAPLE FLD	/
223	2442	022672	.RAD50	/FARNDON	/
224	2450	074241	.RAD50	/SLACK	/
225	2456	077111	.RAD50	/THIENES	/
226	2464	031332	.RAD50	/HERB	/
227	2472	050600	.RAD50	/MAXON	/
228	2500	100364	.RAD50	/TYLER	/
229	2506	023366	.RAD50	/FINEVIEW	/
230	2514	020454	.RAD50	/ELLIOTT	/
231	2522	050557	.RAD50	/MAGNOLIA	/
232	2530	014460	.RAD50	/DAHLIA	/
233	2536	051015	.RAD50	/MEEKER	/
234	2544	045473	.RAD50	/LAS MADRA	/
235	2552	023124	.RAD50	/FELIPE	/
236	2560	063141	.RAD50	/POINSETTA	/
237	2566	062072	.RAD50	/PARKWAY	/
238	2574	007732	.RAD50	/BURKETT	/
239	2602	016132	.RAD50	/DURFEE	/
240	2610	104664	.RAD50	/VALLEY BD	/
241	2616	012437	.RAD50	/COGSWELL	/
242	2624	110211	.RAD50	/WEAVER	/
243	2632	110464	.RAD50	/WILCOX	/
244	2640	146304	.RAD50	/20TH	/
245	2646	143704	.RAD50	/18TH	/
246	2654	111233	.RAD50	/WRKMN MLL	/
247	2662	073752	.RAD50	/SGR FWY	/
248	2670	014736	.RAD50	/DEVERON	/
249	2676	003345	.RAD50	/ADELE	/
250	2704	074762	.RAD50	/STRONG	/
251	2712	074070	.RAD50	/SIPHON	/
252	2720	020456	.RAD50	/ELNORA	/
253	2726	017756	.RAD50	/EDNA	/
254	2734	006536	.RAD50	/BEVERLY	/
255	2742	031072	.RAD50	/HARRELL	/
256	2750	035472	.RAD50	/ISBEN	/
257	2756	006266	.RAD50	/BANTA	/
258	2764	025764	.RAD50	/GALLATIN	/
259	2772	104661	.RAD50	/VAIL	/
260	3000	050570	.RAD50	/MAPLE	/
261	3006	076501	.RAD50	/TAYLOR	/
262	3014	143204	.RAD50	/10TH	/
263	3022	027225	.RAD50	/GREENWOOD	/
264	3030	051646	.RAD50	/MONTEBELO	/
265	3036	156750	.RAD50	/5TH	/
266	3044	153650	.RAD50	/4TH	/
267	3052	150424	.RAD50	/3RD	/
268	3060	145064	.RAD50	/2ND	/
269	3066	063150	.RAD50	/POPLAR	/
270	3074	007165	.RAD50	/BLUFF	/
271	3102	023752	.RAD50	/FORBES	/
272	3110	073366	.RAD50	/SANCHEZ	/
273	3116	056763	.RAD50	/OAKMONT	/
274	3124	105353	.RAD50	/VICTORIA	/
275	3132	104626	.RAD50	/V V VERDE	/

276	3140	026232	.RAD50	/GERMAIN /
277	3146	162050	.RAD50	/GTH /
278	3154	004665	.RAD50	/AVENIDA /
279	3162	07:347	.RAD50	/ROOSEVELT /
280	3170	05:266	.RAD50	/MINES /
281	3176	062553	.RAD50	/PICKERING /
282	3204	006511	.RAD50	/BEACH /
283	3212	143564	.RAD50	/16TH /
284	3220	110727	.RAD50	/WMORELAND /
285	3226	046770	.RAD50	/LS AMIGOS /
286	3234	023372	.RAD50	/FIR /
287	3242	062566	.RAD50	/PINE /
288	3250	004554	.RAD50	/ATLANTIC /
289	3256	003271	.RAD50	/ACACIA /
290	3264	046166	.RAD50	/LINDSEY /
291	3272	01:366	.RAD50	/CANAL /
292	3300	077532	.RAD50	/TOBIAS /
293	3306	01:374	.RAD50	/CATE /
294	3314	11:047	.RAD50	/WOODFORD /
295	3322	073366	.RAD50	/SANDOVAL /
296	3330	003222	.RAD50	/ABBNEYWOOD /
297	3336	012621	.RAD50	/CRATON /
298	3344	062567	.RAD50	/PIONEER /
299	3352	073752	.RAD50	/SGR FWY /
300	3360	03:072	.RAD50	/HARBOR FY /
301	3366	074404	.RAD50	/SNT BRBRA /
302	3374	004661	.RAD50	/AVALON /
303	3402	023357	.RAD50	/FIGUEROA /
304	3410	02:420	.RAD50	/EXPOSITN /
305	3416	110464	.RAD50	/WILSHIRE /
306	3424	143444	.RAD50	/14TH /
307	3432	004066	.RAD50	/ALVARADO /
308	3440	105132	.RAD50	/VERMONT /
309	3446	032147	.RAD50	/HOOVER /
310	3454	03:072	.RAD50	/HARVARD /
311	3462	060606	.RAD50	/OXFORD /
312	3470	073632	.RAD50	/SERRANO /
313	3476	032132	.RAD50	/HOBART /
314	3504	014726	.RAD50	/DENKER /
315	3512	03:064	.RAD50	/HALLDALE /
316	3520	043066	.RAD50	/KINGSLEY /
317	3526	004424	.RAD50	/ARDMORE /
318	3534	054752	.RAD50	/NORMANDIE /
319	3542	050572	.RAD50	/MARIPOSA /
320	3550	070301	.RAD50	/RAYMOND /
321	3556	007714	.RAD50	/BUDLONG /
322	3564	01:374	.RAD50	/CATALINA /
323	3572	006532	.RAD50	/BERENDO /
324	3600	053610	.RAD50	/N HMPSHRE /
325	3606	042626	.RAD50	/KENMORE /
326	3614	110727	.RAD50	/WMORELAND /
327	3622	050557	.RAD50	/MAGNOLIA /
328	3630	105372	.RAD50	/VIRGIL /
329	3636	012326	.RAD50	/CMNWEALTH /
330	3644	110727	.RAD50	/WMORELAND /

331	3652	007531	.RAD50	/BRIGHTON /
332	3660	071347	.RAD50	/ROOSEVELT /
333	3666	035437	.RAD50	/IROLO /
334	3674	004421	.RAD50	/ARAPAHOE /
335	3702	071345	.RAD50	/ROMAINE /
336	3710	051024	.RAD50	/MELROSE /
337	3716	012251	.RAD50	/CLINTON /
338	3724	071353	.RAD50	/ROSEWOOD /
339	3732	056754	.RAD50	/OAKWOOD /
340	3740	012455	.RAD50	/COUNCIL /
341	3746	142314	.RAD50	/1ST /
342	3754	143064	.RAD50	/2ND /
343	3762	150424	.RAD50	/3RD /
344	3770	153650	.RAD50	/4TH /
345	3776	076725	.RAD50	/TEMPLE /
346	4004	012455	.RAD50	/COURT /
347	4012	012444	.RAD50	/COLTON /
348	4020	071333	.RAD50	/ROCKWOOD /
349	4026	050572	.RAD50	/MARYLAND /
350	4034	156750	.RAD50	/5TH /
351	4042	057075	.RAD50	/OCEANVIEW /
352	4050	162050	.RAD50	/6TH /
353	4056	074001	.RAD50	/SHATTO /
354	4064	035167	.RAD50	/INGRAHAM /
355	4072	165150	.RAD50	/7TH /
356	4100	045715	.RAD50	/LEEWARD /
357	4106	170250	.RAD50	/8TH /
358	4114	024121	.RAD50	/FRANCIS /
359	4122	173350	.RAD50	/9TH /
360	4130	074360	.RAD50	/SN MARINO /
361	4136	143254	.RAD50	/11TH /
362	4144	143254	.RAD50	/11TH /
363	4152	143324	.RAD50	/12TH /
364	4160	143324	.RAD50	/12TH /
365	4166	143514	.RAD50	/15TH /
366	4174	011365	.RAD50	/CAMBRIDGE /
367	4202	105126	.RAD50	/VENICE /
368	4210	012452	.RAD50	/CORDOVA /
369	4216	146304	.RAD50	/20TH /
370	4224	146416	.RAD50	/22ND /
371	4232	146353	.RAD50	/21ST /
372	4240	146472	.RAD50	/23RD /
373	4246	146544	.RAD50	/24TH /
374	4254	146614	.RAD50	/25TH /
375	4262	003341	.RAD50	/ADAMS /
376	4270	146734	.RAD50	/27TH /
377	4276	147004	.RAD50	/28TH /
378	4304	147054	.RAD50	/29TH /
379	4312	151404	.RAD50	/30TH /
380	4320	151404	.RAD50	/30TH /
381	4326	151453	.RAD50	/31ST /
382	4334	151516	.RAD50	/32ND /
383	4342	037516	.RAD50	/JEFFERSON /
384	4350	151572	.RAD50	/33RD /
385	4356	151644	.RAD50	/34TH /

386	4364	151714	.RAD50	/35TH	/
387	4372	031564	.RAD50	/HILL	/
388	4400	151764	.RAD50	/36TH	/
389	4406	151764	.RAD50	/36TH	/
390	4414	152034	.RAD50	/37TH	/
391	4422	152034	.RAD50	/37TH	/
392	4430	152034	.RAD50	/37TH	/
393	4436	152104	.RAD50	/38TH	/
394	4444	152104	.RAD50	/38TH	/
395	4452	152154	.RAD50	/39TH	/
396	4460	152154	.RAD50	/39TH	/
397	4466	045721	.RAD50	/LEIGHTON	/
398	4474	007537	.RAD50	/BROWNING	/
399	4502	073320	.RAD50	/S PARK	/
400	4510	154504	.RAD50	/40TH	/
401	4516	154553	.RAD50	/41ST	/
402	4524	154553	.RAD50	/41ST	/
403	4532	154616	.RAD50	/42ND	/
404	4540	154616	.RAD50	/42ND	/
405	4546	154672	.RAD50	/43RD	/
406	4554	154672	.RAD50	/43RD	/
407	4562	105132	.RAD50	/VERNON	/
408	4570	155014	.RAD50	/45TH	/
409	4576	155064	.RAD50	/46TH	/
410	4604	155134	.RAD50	/47TH	/
411	4612	042366	.RAD50	/KANSAS	/
412	4620	045450	.RAD50	/LA SALLE	/
413	4626	014464	.RAD50	/DALTON	/
414	4634	012446	.RAD50	/CONGRESS	/
415	4642	104666	.RAD50	/VAN BUREN	/
416	4650	107764	.RAD50	/WALTON	/
417	4656	023114	.RAD50	/FEDORA	/
418	4664	004070	.RAD50	/ALEXANDRIA	/
419	4672	017747	.RAD50	/EDGEMONT	/
420	4700	051026	.RAD50	/MENLO	/
421	4706	020454	.RAD50	/ELLENDALE	/
422	4714	032144	.RAD50	/HOLMES	/
423	4722	020444	.RAD50	/ELDEN	/
424	4730	053605	.RAD50	/N ENGLAND	/
425	4736	110233	.RAD50	/WESLEY	/
426	4744	071332	.RAD50	/ROBINSON	/
427	4752	015164	.RAD50	/DILLON	/
428	4760	105126	.RAD50	/VENDOME	/
429	4766	070526	.RAD50	/RENO	/
430	4774	057073	.RAD50	/OCCIDENTAL	/
431	5002	045456	.RAD50	/LAFAYETTE	/
432	5010	006526	.RAD50	/BENTON	/
433	5016	070265	.RAD50	/RAMPART	/
434	5024	012452	.RAD50	/CORONADO	/
435	5032	011372	.RAD50	/CARONDLET	/
436	5040	062072	.RAD50	/PARK VIEW	/
437	5046	027221	.RAD50	/GRANDVIEW	/
438	5054	045463	.RAD50	/LAKE	/
439	5062	071353	.RAD50	/ROSEMONT	/
440	5070	071353	.RAD50	/ROSELAKE	/

441	5076	052156	.RAD50	/MTN VIEW /
442	5104	110233	.RAD50	/WESTLAKE /
443	5112	004066	.RAD50	/ALVARADO /
444	5120	007276	.RAD50	/DUNE GRAE /
445	5126	007534	.RAD50	/BRLINGTON /
446	5134	012446	.RAD50	/CONSTANCE /
447	5142	006511	.RAD50	/BEACON /
448	5150	102571	.RAD50	/UNION /
449	5156	077532	.RAD50	/TOBERMN /
450	5164	104664	.RAD50	/VALENCIA /
451	5172	063152	.RAD50	/PORTLAND /
452	5200	056763	.RAD50	/OAK /
453	5206	004042	.RAD50	/ALBANY /
454	5214	007141	.RAD50	/BLAINE /
455	5222	110474	.RAD50	/WITMER /
456	5230	047113	.RAD50	/LUCAS /
457	5236	007000	.RAD50	/BIXEL /
458	5244	017747	.RAD50	/EDGEWARE /
459	5252	007361	.RAD50	/BOYLSTON /
460	5260	006511	.RAD50	/BEAUDRY /
461	5266	024121	.RAD50	/FRANCIS /
462	5274	023557	.RAD50	/FLOWER /
463	5302	045712	.RAD50	/LEBANON /
464	5310	032150	.RAD50	/HOPE /
465	5316	027221	.RAD50	/GRAND /
466	5324	057651	.RAD50	/OLIVE /
467	5332	045401	.RAD50	/L ANGELES /
468	5340	027231	.RAD50	/GRIFFITH /
469	5346	050570	.RAD50	/MAPLE /
470	5354	077731	.RAD50	/TRINITY /
471	5362	074741	.RAD50	/STANFORD /
472	5370	053667	.RAD50	/NAOMI /
473	5376	032147	.RAD50	/HOOPER /
474	5404	050703	.RAD50	/MCKINLEY /
475	5412	021114	.RAD50	/ESTRELLA /
476	5420	063333	.RAD50	/PRIK GROVE /
477	5426	107754	.RAD50	/WADSWORTH /
478	5434	051026	.RAD50	/MENLOE /
479	5442	003666	.RAD50	/AINSWORTH /
480	5450	060223	.RAD50	/ORCHARD /
481	5456	014726	.RAD50	/DENVER /
482	5464	035203	.RAD50	/INSKEEP /
483	5472	074522	.RAD50	/SPRING /
484	5500	027221	.RAD50	/GRANDEE /
485	5506	077557	.RAD50	/TOWNE /
486	5514	012257	.RAD50	/CLOVIS /
487	5522	012637	.RAD50	/CROCKER /
488	5530	051034	.RAD50	/METTLER /
489	5536	011372	.RAD50	/CARLTON /
490	5544	037272	.RAD50	/JARVIS /
491	5552	025772	.RAD50	/GARDENIA /
492	5560	143577	.RAD50	/161ST /
493	5566	143600	.RAD50	/162ND /
494	5574	143601	.RAD50	/163RD /
495	5582	143602	.RAD50	/164TH /

496	5610	143646	.RAD50	/170TH	/
497	5616	143607	.RAD50	/169TH	/
490	5624	143606	.RAD50	/160TH	/
499	5632	143536	.RAD50	/150TH	/
500	5640	004057	.RAD50	/ALONDRA	/
501	5646	070514	.RAD50	/REDONDO	/
502	5654	012445	.RAD50	/COMPTON	/
503	5662	071353	.RAD50	/ROSECRANS	/
504	5670	143413	.RAD50	/135TH	/
505	5676	040775	.RAD50	/LSEGUENDO	/
506	5704	143336	.RAD50	/120TH	/
507	5712	035150	.RAD50	/IMPERIAL	/
508	5720	011626	.RAD50	/CENTURY	/
509	5726	174316	.RAD50	/92ND	/
510	5734	051563	.RAD50	/MNCHESTER	/
511	5742	023557	.RAD50	/FLORENCE	/
512	5750	074241	.RAD50	/SLAUSON	/
513	5756	160044	.RAD50	/54TH	/
514	5764	157716	.RAD50	/52ND	/
515	5772	160164	.RAD50	/56TH	/
516	6000	157604	.RAD50	/50TH	/
517	6006	160354	.RAD50	/59TH	/
518	6014	163016	.RAD50	/62ND	/
519	6022	163214	.RAD50	/65TH	/
520	6030	163334	.RAD50	/67TH	/
521	6036	166004	.RAD50	/70TH	/
522	6044	166244	.RAD50	/74TH	/
523	6052	166364	.RAD50	/76TH	/
524	6060	166504	.RAD50	/78TH	/
525	6066	171104	.RAD50	/80TH	/
526	6074	171216	.RAD50	/82ND	/
527	6102	171344	.RAD50	/84TH	/
528	6110	171604	.RAD50	/86TH	/
529	6116	174204	.RAD50	/90TH	/
530	6124	174444	.RAD50	/94TH	/
531	6132	174564	.RAD50	/96TH	/
532	6140	027044	.RAD50	/GOLDEN	/
533	6146	174704	.RAD50	/98TH	/
534	6154	143221	.RAD50	/103RD	/
535	6162	143223	.RAD50	/105TH	/
536	6170	143226	.RAD50	/108TH	/
537	6176	143266	.RAD50	/110TH	/
538	6204	143270	.RAD50	/112TH	/
539	6212	143274	.RAD50	/116TH	/
540	6220	143276	.RAD50	/118TH	/
541	6226	143341	.RAD50	/123RD	/
542	6234	143344	.RAD50	/125TH	/
543	6242	143406	.RAD50	/130TH	/
544	6250	143410	.RAD50	/132ND	/
545	6256	143412	.RAD50	/134TH	/
546	6264	143415	.RAD50	/137TH	/
547	6272	143417	.RAD50	/139TH	/
548	6300	143457	.RAD50	/141ST	/
549	6306	143464	.RAD50	/146TH	/
550	6314	143467	.RAD50	/149TH	/

551	6322	004322	.RAD50	/APRILA	/
552	6330	143535	.RAD50	/157TH	/
553	6336	050557	.RAD50	/MAGNOLIA	/
554	6344	031073	.RAD50	/HASKINS	/
555	6352	075253	.RAD50	/SYCAMORE	/
556	6360	020455	.RAD50	/ELM	/
557	6366	056763	.RAD50	/DAKWOOD	/
558	6374	014474	.RAD50	/DATE	/
559	6402	024121	.RAD50	/FRANKEL	/
560	6410	037253	.RAD50	/JACMAR	/
561	6416	011372	.RAD50	/CAROB	/
562	6424	032517	.RAD50	/HUGHES	/
563	6432	074522	.RAD50	/SPRUCE	/
564	6440	023372	.RAD50	/FIRESTONE	/
565	6446	062072	.RAD50	/PARAMOUNT	/
566	6454	045463	.RAD50	/LAKEWOOD	/
567	6462	110464	.RAD50	/WILMINGTON	/
568	6470	111047	.RAD50	/WOODRUFF	/
569	6476	054730	.RAD50	/NO STREET	/
570	6504	047112	.RAD50	/LUBEC	/
571	6512	060364	.RAD50	/OTTO	/
572	6520	104601	.RAD50	/V AMORITA	/
573	6526	012005	.RAD50	/CHEROKEE	/
574	6534	027054	.RAD50	/GOTHAM	/
575	6542	052224	.RAD50	/MULLER	/
576	6550	011613	.RAD50	/CECILIA	/
577	6556	074757	.RAD50	/STONEWOOD	/
578	6564	062324	.RAD50	/PELLET	/
579	6572	007537	.RAD50	/BROOKSHIRE	/
580	6600	015557	.RAD50	/DOWNEY	/
581	6606	060231	.RAD50	/ORIZABA	/
582	6614	100235	.RAD50	/TWEEDY	/
583	6622	046557	.RAD50	/LOWMAN	/
584	6630	070776	.RAD50	/RIVES	/
585	6636	027411	.RAD50	/GUATEMALA	/
586	6644	020515	.RAD50	/EMERSON	/
587	6652	007354	.RAD50	/BOTANY	/
588	6660	004054	.RAD50	/ALLENGRVE	/
589	6666	105351	.RAD50	/VIA ROSA	/
590	6674	011614	.RAD50	/CEDARTREE	/
591	6702	004320	.RAD50	/APPLEBY	/
592	6710	104604	.RAD50	/V DEL RIO	/
593	6716	012241	.RAD50	/CLAYMORE	/
594	6724	075026	.RAD50	/SUNGLOW	/
595	6732	076732	.RAD50	/TERRADELL	/
596	6740	045450	.RAD50	/LA DOCEÑA	/
597	6746	050600	.RAD50	/MAXINE	/
598	6754	074001	.RAD50	/SHADE	/
599	6762	052472	.RAD50	/MYRON	/
600	6770	007732	.RAD50	/BURKE	/
601	6776	070540	.RAD50	/REX	/
602	7004	070776	.RAD50	/RIVERA	/
603	7012	006273	.RAD50	/BASCOM	/
604	7020	023760	.RAD50	/FOXSBURY	/
605	7026	007521	.RAD50	/BRADWELL	/

606 7034 014466	.RAD50	/DANBRIDGE/
607 7042 073500	.RAD50	/SCHOOLING/
608 7050 053666	.RAD50	/NAN /
609 7056 062072	.RAD50	/PARAMOUNT/
610 7064 077737	.RAD50	/TROJAN /
611 7072 063141	.RAD50	/POINCIANA/
612 7100 027047	.RAD50	/GOODBEE /
613 7106 011372	.RAD50	/CARRON /
614 7114 031066	.RAD50	/HANEY /
615 7122 006264	.RAD50	/BALFOUR /
616 7130 062072	.RAD50	/PARROT /
617 7136 015474	.RAD50	/DNLAP CRG/
618 7144 070521	.RAD50	/REICHLING/
619 7152 006540	.RAD50	/BEXLEY /
620 7160 032144	.RAD50	/HOLBROOK /
621 7166 105132	.RAD50	/VERNER /
622 7174 102564	.RAD50	/UNDERWOOD/
623 7202 051024	.RAD50	/MELDAR /
624 7210 015544	.RAD50	/DOLAN /
625 7216 015544	.RAD50	/DOLAN /
626 7224 006772	.RAD50	/BIRCHDALE/
627 7232 106324	.RAD50	/VULTEE /
628 7240 004442	.RAD50	/ARRINGTON/
629 7246 012241	.RAD50	/CLANCEY /
630 7254 012001	.RAD50	/CHANEY /
631 7262 031073	.RAD50	/HASTY /
632 7270 050566	.RAD50	/MANZANAR /
633 7276 074741	.RAD50	/STAMPS /
634 7304 073632	.RAD50	/SERAPIS /
635 7312 031064	.RAD50	/HALEDON /
636 7320 045725	.RAD50	/LEMORAN /
637 7326 077731	.RAD50	/TRISTAN /
638 7334 062073	.RAD50	/PASSONS /
639 7342 062066	.RAD50	/PANGBORN /
640 7350 060221	.RAD50	/ORANGE /
641 7356 012241	.RAD50	/CLARINDA/
642 7364 045733	.RAD50	/LESTERFRD/
643 7372 050574	.RAD50	/MATTOCK /
644 7400 062553	.RAD50	/PICO VSTA/
645 7406 012452	.RAD50	/CORD /
646 7414 051264	.RAD50	/MILLEUX /
647 7422 075025	.RAD50	/SUMRFIELD/
648 7430 062567	.RAD50	/PIONEER /
649 7436 074446	.RAD50	/SONGFEST /
650 7444 077745	.RAD50	/TRUE /
651 7452 043264	.RAD50	/KLTONVIEW/
652 7460 012074	.RAD50	/CITRONELL/
653 7466 012452	.RAD50	/CORNUTA /
654 7474 016126	.RAD50	/DUNROBIN /
655 7502 012444	.RAD50	/COLDBROOK/
656 7510 107773	.RAD50	/WASHBURN /
657 7516 020455	.RAD50	/ELMVISTA /
658 7524 074745	.RAD50	/STEWRTSGR/
659 7532 051011	.RAD50	/MEADOW /
660 7540 074522	.RAD50	/SPRY /

661 7546 070274	.RAD50 /RATLIFE /
662 7554 046533	.RAD50 /LOCK ALEN/
663 7562 062075	.RAD50 /PAULSEN /
664 7570 050574	.RAD50 /MATTHISEN/
665 7576 160234	.RAD50 /57TH /
666 7604 006524	.RAD50 /BELGRAVE /
667 7612 012241	.RAD50 /CLARENDON/
668 7620 122335	.RAD50 /ZOE /
669 7626 073374	.RAD50 /SATURN /
670 7634 006524	.RAD50 /BELL /
671 7642 046556	.RAD50 /LOVELAND /
672 7650 023753	.RAD50 /FOSTER BR/
673 7656 075036	.RAD50 /SUVA /
674 7664 035447	.RAD50 /IRWINGRVE/
675 7672 023557	.RAD50 /FLORENCE /
676 7700 012241	.RAD50 /CLARA /
677 7706 046176	.RAD50 /LIVE OAK /
678 7714 020451	.RAD50 /ELIZABETH/
679 7722 066621	.RAD50 /QUINN /
680 7730 073366	.RAD50 /SANTA ANA/
681 7736 046152	.RAD50 /LIBERTY /
682 7744 004424	.RAD50 /ARDMORE /
683 7752 074455	.RAD50 /SOUTHERN /
684 7760 035054	.RAD50 /ILLINOIS /
685 7766 016111	.RAD50 /DUANE /
686 7774 051273	.RAD50 /MISSOURI /
687 0002 100235	.RAD50 /TWEEDY /
688 0010 051253	.RAD50 /MICHIGAN /
689 0016 076726	.RAD50 /TENAYA /
690 0024 070266	.RAD50 /RANDOLPH /
691 0032 162704	.RAD50 /60TH /
692 0040 162753	.RAD50 /61ST /
693 0046 023364	.RAD50 /FILMORE /
694 0054 160304	.RAD50 /58TH /
695 0062 163404	.RAD50 /68TH /
696 0070 160314	.RAD50 /75TH /
697 0076 160364	.RAD50 /76TH /
698 0104 053654	.RAD50 /NADEAU /
699 0112 171153	.RAD50 /81ST /
700 0120 171272	.RAD50 /83RD /
701 0126 171344	.RAD50 /84TH /
702 0134 171534	.RAD50 /87TH /
703 0142 171654	.RAD50 /89TH /
704 0150 174514	.RAD50 /95TH /
705 0156 174634	.RAD50 /97TH /
706 0164 143225	.RAD50 /107TH /
707 0172 143227	.RAD50 /109TH /
708 0200 143267	.RAD50 /111TH /
709 0206 143272	.RAD50 /114TH /
710 0214 143275	.RAD50 /117TH /
711 0222 143336	.RAD50 /120TH /
712 0230 143340	.RAD50 /122ND /
713 0236 143342	.RAD50 /124TH /
714 0244 143412	.RAD50 /134TH /
715 0252 063150	.RAD50 /POPLAR /

716	0260	020455	.RAD50	/ELM	/
717	0266	062064	.RAD50	/PALMER	/
718	0274	062064	.RAD50	/PALMER	/
719	0302	143532	.RAD50	/154TH	/
720	0310	045475	.RAD50	/LAUREL	/
721	0316	071353	.RAD50	/ROSE	/
722	0324	052033	.RAD50	/MRK KEPEL	/
723	0332	012452	.RAD50	/CORAL	/
724	0340	003341	.RAD50	/ADAMS	/
725	0346	057645	.RAD50	/OLEANDER	/
726	0354	143534	.RAD50	/156TH	/
727	0362	052472	.RAD50	/TYRRH	/
728	0370	037516	.RAD50	/JEFFERSON	/
729	0376	013270	.RAD50	/CYPRESS	/
730	0404	046166	.RAD50	/LINSLEY	/
731	0412	050554	.RAD50	/MADISON	/
732	0420	104666	.RAD50	/VANS	/
733	0426	110464	.RAD50	/WILLOWBARK	/
734	0434	070301	.RAD50	/RAYMOND	/
735	0442	050572	.RAD50	/MARCELLE	/
736	0450	051646	.RAD50	/MONROE	/
737	0456	057651	.RAD50	/OLIVE	/
738	0464	077153	.RAD50	/TICHENOR	/
739	0472	062064	.RAD50	/PALM	/
740	0500	011372	.RAD50	/CAROB	/
741	0506	073366	.RAD50	/SAN JUAN	/
742	0514	062600	.RAD50	/PIXLEY	/
743	0522	074360	.RAD50	/SN VNCNTE	/
744	0530	074360	.RAD50	/SN MARCUS	/
745	0536	062334	.RAD50	/PETROL	/
746	0544	145064	.RAD50	/2ND	/
747	0552	051646	.RAD50	/MONA	/
748	0560	070753	.RAD50	/RICHFIELD	/
749	0566	021405	.RAD50	/EXETER	/
750	0574	012446	.RAD50	/CONTRERAS	/
751	0602	054111	.RAD50	/NEARDALE	/
752	0610	054752	.RAD50	/NORTON	/
753	0616	020455	.RAD50	/ELMWOOD	/
754	0624	006511	.RAD50	/BEACHWOOD	/
755	0632	045710	.RAD50	/LE SAGE	/
756	0640	003222	.RAD50	/AGBOTT	/
757	0646	062326	.RAD50	/PENDLETON	/
758	0654	004055	.RAD50	/ALMA	/
759	0662	073625	.RAD50	/SEMINOLE	/
760	0670	073631	.RAD50	/SEQUOIA	/
761	0676	004044	.RAD50	/ALDRICH	/
762	0704	045714	.RAD50	/LEDGEWOOD	/
763	0712	073366	.RAD50	/SANBORN	/
764	0720	062741	.RAD50	/PLATT	/
765	0726	012452	.RAD50	/CORTLAND	/
766	0734	012452	.RAD50	/CORTLAND	/
767	0742	047366	.RAD50	/LYNWOOD	/
768	0750	040353	.RAD50	/JOSEPHINE	/
769	0756	003546	.RAD50	/AGNES	/
770	0764	011372	.RAD50	/CARLIN	/

771	0772	01:572	.RAD50	/CARLIN	/
772	1000	02:213	.RAD50	/EUCLID	/
773	1006	02:213	.RAD50	/EUCLID	/
774	1014	062566	.RAD50	/PINE	/
775	1022	060223	.RAD50	/ORCHARD	/
776	1030	060234	.RAD50	/ORLANDA	/
777	1036	050705	.RAD50	/MCMILLAN	/
778	1044	056763	.RAD50	/OAK	/
779	1052	100113	.RAD50	/TUCKER	/
780	1060	062313	.RAD50	/PECK	/
781	1066	012625	.RAD50	/CRESSEY	/
782	1074	060231	.RAD50	/ORIS	/
783	1102	074757	.RAD50	/STOCKWELL	/
784	1110	110001	.RAD50	/WAYSIDE	/
785	1116	110212	.RAD50	/WEBER	/
786	1124	006206	.RAD50	/BANNING	/
787	1132	012241	.RAD50	/CLARK	/
788	1140	045476	.RAD50	/LAVINIA	/
789	1146	070514	.RAD50	/REDWOOD	/
790	1154	023132	.RAD50	/FERNWOOD	/
791	1162	050557	.RAD50	/MAGNOLIA	/
792	1170	045466	.RAD50	/LANTO	/
793	1176	165150	.RAD50	/7TH	/
794	1204	052224	.RAD50	/MULLER	/
795	1212	156750	.RAD50	/5TH	/
796	1220	150424	.RAD50	/3RD	/
797	1226	007732	.RAD50	/BURNS	/
798	1234	004436	.RAD50	/ARNETT	/
799	1242	047140	.RAD50	/LUXOR	/
800	1250	004424	.RAD50	/ARDWEN	/
801	1256	004041	.RAD50	/ALAMEDA	/
802	1264	066621	.RAD50	/QUILL	/
803	1272	066627	.RAD50	/QUOIT	/
804	1300	02:265	.RAD50	/EVEREST	/
805	1306	05:024	.RAD50	/MELVA	/
806	1314	07:726	.RAD50	/RUNDELL	/
807	1322	032146	.RAD50	/HONDO	/
808	1330	053654	.RAD50	/NADA	/
809	1336	012444	.RAD50	/COLE	/
810	1344	004042	.RAD50	/ALBIA	/
811	1352	116166	.RAD50	/YANKEE	/
812	1360	015546	.RAD50	/DONOVAN	/
813	1366	003357	.RAD50	/ADOREE	/
814	1374	063532	.RAD50	/PURITAN	/
815	1402	025772	.RAD50	/GARDNDALE	/
816	1410	027221	.RAD50	/GRAPE	/
817	1416	110464	.RAD50	/WILSON	/
818	1424	004050	.RAD50	/ALHAMBRA	/
819	1432	050561	.RAD50	/MAIN	/
820	1440	027044	.RAD50	/GOLDEN	/
821	1446	023557	.RAD50	/FLORENCE	/
822	1454	027237	.RAD50	/GROVE	/
823	1462	03:070	.RAD50	/HAPPY	/
824	1470	062311	.RAD50	/PEARL	/
			.RAD50	/HALL	/

826	1504	07:353	.RAD50	/ROSE	/
827	1512	003303	.RAD50	/ACKLEY	/
828	1520	040726	.RAD50	/JUNIPER	/
829	1526	077745	.RAD50	/TRUBA	/
830	1534	105132	.RAD50	/VERMONT	/
831	1542	035054	.RAD50	/ILLINOIS	/
832	1550	105372	.RAD50	/VIRGINIA	/
833	1556	062073	.RAD50	/PASSAGE	/
834	1564	03:101	.RAD50	/HAYTER	/
835	1572	012241	.RAD50	/CLARK	/
836	1600	062574	.RAD50	/PITTS	/
837	1606	01:373	.RAD50	/CASTANA	/
838	1614	062565	.RAD50	/PIMENTA	/
839	1622	004677	.RAD50	/AVOCADO	/
840	1630	007000	.RAD50	/DIXLER	/
841	1636	076740	.RAD50	/TEXACO	/
842	1644	027426	.RAD50	/GUNDRY	/
843	1652	060221	.RAD50	/ORANGE	/
844	1660	020140	.RAD50	/EL CAMINO	/
845	1666	052472	.RAD50	/MYRTLE	/
846	1674	046165	.RAD50	/LIME	/
847	1702	004554	.RAD50	/ATLANTIC	/
848	1710	110464	.RAD50	/WILLIAMS	/
849	1716	016126	.RAD50	/DUNCAN	/
850	1724	11:231	.RAD50	/WRIGHT	/
851	1732	003345	.RAD50	/ADELLA	/
852	1740	062566	.RAD50	/PINEHURST	/
853	1746	104673	.RAD50	/VASSLER	/
854	1754	060221	.RAD50	/ORANGE	/
855	1762	03:564	.RAD50	/WILDRETH	/
856	1770	073365	.RAD50	/SAMPSON	/
857	1776	042375	.RAD50	/KAUFFMAN	/
858	2004	012452	.RAD50	/CORNISH	/
859	2012	007551	.RAD50	/BRYSON	/
860	2020	045737	.RAD50	/LEWIS	/
861	2026	007357	.RAD50	/BOWMAN	/
862	2034	024121	.RAD50	/FRACAR	/
863	2042	060351	.RAD50	/OTIS	/
864	2050	023557	.RAD50	/FLORA	/
865	2056	043066	.RAD50	/KING	/
866	2064	03:324	.RAD50	/HELIOTROP	/
867	2072	050601	.RAD50	/MAYFLOWER	/
868	2100	062566	.RAD50	/PINE	/
869	2106	012452	.RAD50	/CORONA	/
870	2114	01:372	.RAD50	/CARMELITA	/
871	2122	046411	.RAD50	/LMA VISTA	/
872	2130	02:265	.RAD50	/EVERETT	/
873	2136	050601	.RAD50	/MAYWOOD	/
874	2144	004043	.RAD50	/ALCOA	/
875	2152	054137	.RAD50	/NEWELL	/
876	2160	05:264	.RAD50	/MILES	/
877	2166	073636	.RAD50	/SEVILLE	/
878	2174	052156	.RAD50	/MTN VIEW	/
879	2202	013270	.RAD50	/CYPRESS	/
880	2210	004422	.RAD50	/ARBUTUS	/

881	2216	006753	.RAD50	/BICKETT /
882	2224	073307	.RAD50	/S GATE /
883	2232	074741	.RAD50	/STATE /
884	2240	012511	.RAD50	/CPISTRAND /
885	2246	074741	.RAD50	/STANFORD /
886	2254	046552	.RAD50	/LORRAINE /
887	2262	051652	.RAD50	/MORGAN /
888	2270	012446	.RAD50	/CONVERSE /
889	2276	050561	.RAD50	/MAIE /
890	2304	004042	.RAD50	/ALBANY /
891	2312	071353	.RAD50	/ROSEBERRY /
892	2320	050564	.RAD50	/MALABAR /
893	2326	031065	.RAD50	/HAMPTON /
894	2334	006513	.RAD50	/BECK /
895	2342	007537	.RAD50	/BROMPTON /
896	2350	074455	.RAD50	/SOUTHALL /
897	2356	047114	.RAD50	/LUDELL /
898	2364	054752	.RAD50	/NOREN /
899	2372	025761	.RAD50	/GAINFORD /
900	2400	014453	.RAD50	/DACOSTA /
901	2406	015166	.RAD50	/DINSDALE /
902	2414	032152	.RAD50	/HORLEY /
903	2422	110233	.RAD50	/WESTERN /
904	2430	045450	.RAD50	/LA REINA /
905	2436	051274	.RAD50	/MITLA /
906	2444	072155	.RAD50	/RYERSON /
907	2452	060220	.RAD50	/DR SCHOOL /
908	2460	110671	.RAD50	/WLY BURKE /
909	2466	040724	.RAD50	/JULIUS /
910	2474	070776	.RAD50	/RIVES /
911	2502	074311	.RAD50	/SMALLWOOD /
912	2510	032147	.RAD50	/HOOVER /
913	2516	004444	.RAD50	/ARTHUR /
914	2524	011626	.RAD50	/CENTER /
915	2532	023557	.RAD50	/FLORINE /
916	2540	004164	.RAD50	/ANDERSON /
917	2546	035164	.RAD50	/INDIANA /
918	2554	007537	.RAD50	/BROCK /
919	2562	026765	.RAD50	/GNEISS /
920	2570	027432	.RAD50	/GURLEY /
921	2576	062074	.RAD50	/PATTON /
922	2604	006272	.RAD50	/BARLIN /
923	2612	020451	.RAD50	/ELIZABETH /
924	2620	011354	.RAD50	/CALIFORNA /
925	2626	073307	.RAD50	/S GABRIEL /
926	2634	073326	.RAD50	/S VINCENT /
927	2642	073366	.RAD50	/SAN LUIS /
928	2650	006511	.RAD50	/BEAR /
929	2656	026456	.RAD50	/GIFFORD /
930	2664	023373	.RAD50	/FISHBURN /
931	2672	110464	.RAD50	/WILCOX /
932	2700	107764	.RAD50	/WALKER /
933	2706	070776	.RAD50	/RIVERSIDE /
934	2714	045423	.RAD50	/L SELINDA /
935	2722	012444	.RAD50	/COLMAR /

36	2730	026230	.RAD50	/GEPHART /
37	2736	037252	.RAD50	/JABONERIA/
38	2744	035421	.RAD50	/IRA /
39	2752	062332	.RAD50	/PERRY /
40	2760	020521	.RAD50	/EMIL /
41	2766	073507	.RAD50	/SCOUT /
42	2774	015553	.RAD50	/DOS RIOS /
43	3002	074025	.RAD50	/SHULL /
44	3010	076465	.RAD50	/TAMARIND /
45	3016	110464	.RAD50	/WILLOW /
46	3024	007732	.RAD50	/BURRIS /
47	3032	012005	.RAD50	/CHESTER /
48	3040	004060	.RAD50	/ALPINE /
49	3046	046166	.RAD50	/LINDBERGH/
50	3054	007724	.RAD50	/BULLIS /
951	3062	031072	.RAD50	/HARBOR /
952	3070	052232	.RAD50	/MURIEL /
953	3076	076725	.RAD50	/TEMPLE /
954	3104	032144	.RAD50	/HOLLY /
955	3112	007521	.RAD50	/BRADFELD/
956	3120	007521	.RAD50	/BRADFELD/
957	3126	026232	.RAD50	/GERTRUDE /
958	3134	007734	.RAD50	/BUTLER /
959	3142	031072	.RAD50	/HARRIS /
960	3150	004554	.RAD50	/ATLANTIC /
961	3156	110411	.RAD50	/WHITE /
962	3164	074757	.RAD50	/STONEACRE/
963	3172	145064	.RAD50	/2ND /
964	3200	020455	.RAD50	/ELM /
965	3206	052232	.RAD50	/MURIEL /
966	3214	017747	.RAD50	/EDGEBROOK/
967	3222	062511	.RAD50	/PHILLIPS /
968	3230	012005	.RAD50	/CHECK /
969	3236	004421	.RAD50	/ARANOE /
970	3244	073366	.RAD50	/SAN JOSE /
971	3252	062053	.RAD50	/PACIFIC /
972	3260	051033	.RAD50	/MESA /
973	3266	011626	.RAD50	/CENTER /
974	3274	062763	.RAD50	/PLS VRDES/
975	3302	031072	.RAD50	/HARBOR /
976	3310	012625	.RAD50	/CRESCENT /
977	3316	027221	.RAD50	/GRAND /
978	3324	025756	.RAD50	/GAFFEY /
979	3332	011352	.RAD50	/CABRILLO /
980	3340	051041	.RAD50	/MEYLER /
981	3346	004055	.RAD50	/ALMA /
982	3354	006266	.RAD50	/BANDINI /
983	3362	045724	.RAD50	/LELAND /
984	3370	107764	.RAD50	/WALKER /
985	3376	062074	.RAD50	/PATTON /
986	3404	004665	.RAD50	/AVERILL /
987	3412	110241	.RAD50	/WEYMOUTH /
988	3420	015534	.RAD50	/DODSON /
989	3426	031072	.RAD50	/HARBOR VW/

991 3442 074325	.RAD50	/SMMERLAND/
992 3450 073630	.RAD50	/SEPULVEDA/
993 3456 142314	.RAD50	/1ST /
994 3464 150424	.RAD50	/3RD /
995 3472 156750	.RAD50	/5TH /
996 3500 165150	.RAD50	/7TH /
997 3506 173350	.RAD50	/9TH /
998 3514 143254	.RAD50	/11TH /
999 3522 143374	.RAD50	/13TH /
1000 530 143514	.RAD50	/15TH /
1001 536 143634	.RAD50	/17TH /
1002 544 143754	.RAD50	/19TH /
1003 552 146353	.RAD50	/21ST /
1004 560 146472	.RAD50	/23RD /
1005 566 146614	.RAD50	/25TH /
1006 574 146664	.RAD50	/26TH /
1007 602 147004	.RAD50	/28TH /
1008 610 151404	.RAD50	/30TH /
1009 616 151516	.RAD50	/32ND /
1010 624 151644	.RAD50	/34TH /
1011 632 151764	.RAD50	/36TH /
1012 640 152034	.RAD50	/37TH /
1013 646 152154	.RAD50	/39TH /
1014 654 062073	.RAD50	/PASEO D M/
1015 662 062064	.RAD50	/PALOS V /
1016 670 051272	.RAD50	/MIRALESTE/
1017 676 143204	.RAD50	/10TH /
1018 704 004665	.RAD50	/AVERILL /
1019 712 004161	.RAD50	/ANAHEIM /
1020 720 062170	.RAD50	/PC HIGHWAY/
1021 726 110464	.RAD50	/WIL S SP /
1022 734 006200	.RAD50	/B /
1023 742 046545	.RAD50	/LOMITA /
1024 750 073630	.RAD50	/SEPLU VEDA/
1025 756 011372	.RAD50	/CARSON /
1026 764 077552	.RAD50	/TORRANCE /
1027 772 073366	.RAD50	/SAN DIEGO/
1028 000 110655	.RAD50	/WLMINGTON/
1029 006 024131	.RAD50	/FRIGATE /
1030 014 011372	.RAD50	/CAROLDALE/
1031 022 051646	.RAD50	/MONETA /
1032 030 051020	.RAD50	/MEHDEN /
1033 036 043066	.RAD50	/KINARD /
1034 044 021212	.RAD50	/EUBANK /
1035 052 006266	.RAD50	/BANNING /
1036 060 007537	.RAD50	/BROAD /
1037 066 024131	.RAD50	/FRIES /
1038 074 045457	.RAD50	/LAGOON /
1039 102 031077	.RAD50	/HAWAIIAN /
1040 110 043066	.RAD50	/KING /
1041 116 104666	.RAD50	/VAN TRESS/
1042 124 054130	.RAD50	/NEPTUNE /
1043 132 050674	.RAD50	/MCDONALD /
1044 140 015544	.RAD50	/DOLORES /
1045 146 062066	.RAD50	/PANAMA /

1046	154	027221	.RAD50	/GRACE	/
1047	162	007346	.RAD50	/BONITA	/
1040	170	017747	.RAD50	/EDGAR	/
1049	176	062332	.RAD50	/PERRY	/
1050	204	004163	.RAD50	/ANCHOR	/
1051	212	011374	.RAD50	/CATSKILL	/
1052	220	007344	.RAD50	/BOLSA	/
1053	226	050676	.RAD50	/MCFARLAND	/
1054	234	063325	.RAD50	/PRESIDENT	/
1055	242	006524	.RAD50	/BELLEPORT	/
1056	250	027056	.RAD50	/GOVERNOR	/
1057	256	062334	.RAD50	/PETROLEUM	/
1058	264	050572	.RAD50	/MARIGOLD	/
1059	272	051041	.RAD50	/MEYLER	/
1060	300	071353	.RAD50	/ROSEHEAD	/
1061	306	077545	.RAD50	/TOMLINSON	/
1062	314	143656	.RAD50	/170TH	/
1063	322	143716	.RAD50	/180TH	/
1064	330	143720	.RAD50	/182ND	/
1065	336	143721	.RAD50	/183RD	/
1066	344	143724	.RAD50	/186TH	/
1067	352	143766	.RAD50	/190TH	/
1068	360	043377	.RAD50	/KNOX	/
1069	366	004444	.RAD50	/ARTESIA	/
1070	374	105353	.RAD50	/VICTORIA	/
1071	402	024121	.RAD50	/FRANCISCO	/
1072	410	014724	.RAD50	/DEL AMO	/
1073	416	146323	.RAD50	/205TH	/
1074	424	051264	.RAD50	/MILTON	/
1075	432	146327	.RAD50	/209TH	/
1076	440	146367	.RAD50	/211TH	/
1077	446	146371	.RAD50	/213TH	/
1078	454	146374	.RAD50	/216TH	/
1079	462	015555	.RAD50	/DOUBLE	/
1080	470	146376	.RAD50	/218TH	/
1081	476	146436	.RAD50	/220TH	/
1082	504	146440	.RAD50	/222ND	/
1083	512	146441	.RAD50	/223RD	/
1084	520	146443	.RAD50	/225TH	/
1085	526	146446	.RAD50	/228TH	/
1086	534	146445	.RAD50	/227TH	/
1087	542	146447	.RAD50	/229TH	/
1088	550	006524	.RAD50	/BELSON	/
1089	556	146507	.RAD50	/231ST	/
1090	564	146513	.RAD50	/235TH	/
1091	572	146515	.RAD50	/237TH	/
1092	606	146511	.RAD50	/233RD	/
1093	606	071346	.RAD50	/RONAN	/
1094	614	146506	.RAD50	/230TH	/
1095	622	146512	.RAD50	/234TH	/
1096	630	146556	.RAD50	/240TH	/
1097	636	024121	.RAD50	/FRAMPTON	/
1098	644	146560	.RAD50	/242ND	/
1099	652	146565	.RAD50	/247TH	/
1100	660	146566	.RAD50	/248TH	/

1101	666	062053	.RAD50	/PACIFIC	/
1102	674	014724	.RAD50	/DELORAS	/
1103	702	054730	.RAD50	/NO STREET	/
1104	710	146564	.RAD50	/246TH	/
1105	716	146566	.RAD50	/248TH	/
1106	724	146530	.RAD50	/252ND	/
1107	732	146532	.RAD50	/254TH	/
1108	740	146534	.RAD50	/256TH	/
1109	746	070200	.RAD50	/R	/
1110	754	065100	.RAD50	/Q	/
1111	762	073366	.RAD50	/SANDISON	/
1112	770	146576	.RAD50	/260TH	/
1113	776	050500	.RAD50	/M	/
1114	004	045400	.RAD50	/L	/
1115	012	014726	.RAD50	/DENNI	/
1116	020	060120	.RAD50	/OPP	/
1117	026	146700	.RAD50	/262ND	/
1118	034	146701	.RAD50	/263RD	/
1119	042	062064	.RAD50	/PALOS VDS	/
1120	050	022600	.RAD50	/F	/
1121	056	014400	.RAD50	/D	/
1122	064	163214	.RAD50	/65TH	/
1123	072	070265	.RAD50	/RAMONA	/
1124	100	163144	.RAD50	/64TH	/
1125	106	011614	.RAD50	/CEDAR	/
1126	114	071353	.RAD50	/ROSE	/
1127	122	051253	.RAD50	/MICHELSON	/
1128	130	031072	.RAD50	/HARDING	/
1129	136	031072	.RAD50	/HARCOURT	/
1130	144	073507	.RAD50	/SCOTT	/
1131	152	027052	.RAD50	/GORDON	/
1132	160	163072	.RAD50	/63RD	/
1133	166	007352	.RAD50	/BORT	/
1134	174	162753	.RAD50	/61ST	/
1135	202	162704	.RAD50	/60TH	/
1136	210	031314	.RAD50	/HEDDA	/
1137	216	160354	.RAD50	/59TH	/
1138	224	004164	.RAD50	/ANDY	/
1139	232	074455	.RAD50	/SOUTH	/
1140	240	160164	.RAD50	/56TH	/
1141	246	111044	.RAD50	/WOLFE	/
1142	254	160114	.RAD50	/55TH	/
1143	262	050572	.RAD50	/MARKET	/
1144	270	012364	.RAD50	/CNDLEWOOD	/
1145	276	052156	.RAD50	/MTN VIEW	/
1146	304	037253	.RAD50	/JACKSON	/
1147	312	121266	.RAD50	/ZANE	/
1148	320	052036	.RAD50	/MRNGSIDE	/
1149	326	031072	.RAD50	/HARDWICK	/
1150	334	157653	.RAD50	/51ST	/
1151	342	074064	.RAD50	/SILVA	/
1152	350	155254	.RAD50	/49TH	/
1153	356	155204	.RAD50	/48TH	/
1155	364	047132	.RAD50	/LURAY	/
1156	372	155064	.RAD50	/46TH	/

CONTINUED

23 OF 29

1157 400 155014	.RAD50 /45TH /
1158 406 024125	.RAD50 /FREELAND /
1159 414 073301	.RAD50 /S ANTONIO/
1160 422 076720	.RAD50 /TENACHAPI/
1161 430 012241	.RAD50 /CLAIBORNE/
1162 436 050572	.RAD50 /MARSHALL /
1163 444 071347	.RAD50 /ROOSEVELT/
1164 452 007000	.RAD50 /BIXBY /
1165 460 152034	.RAD50 /37TH /
1166 466 151764	.RAD50 /36TH /
1167 474 151714	.RAD50 /35TH /
1168 502 107727	.RAD50 /W WARDLOW/
1169 510 017527	.RAD50 /E WARDLOW/
1170 516 004434	.RAD50 /ARLINGTON/
1171 524 151644	.RAD50 /34TH /
1172 532 151572	.RAD50 /33RD /
1173 540 151516	.RAD50 /32ND /
1174 546 151453	.RAD50 /31ST /
1175 554 074522	.RAD50 /SPRING /
1176 562 147054	.RAD50 /29TH /
1177 570 147004	.RAD50 /28TH /
1178 576 146734	.RAD50 /27TH /
1179 604 110464	.RAD50 /WILLOW /
1180 612 146614	.RAD50 /25TH /
1181 620 007732	.RAD50 /BURNETT /
1182 626 146472	.RAD50 /23RD /
1183 634 031564	.RAD50 /HILL /
1184 642 146353	.RAD50 /21ST /
1185 650 074745	.RAD50 /STEARNS /
1186 656 110464	.RAD50 /WILLARD /
1187 664 146304	.RAD50 /20TH /
1188 672 143754	.RAD50 /19TH /
1189 700 143564	.RAD50 /16TH /
1190 706 143514	.RAD50 /15TH /
1191 714 143634	.RAD50 /17TH /
1192 722 110464	.RAD50 /WILTON /
1193 730 143444	.RAD50 /14TH /
1194 736 143254	.RAD50 /11TH /
1195 744 143324	.RAD50 /12TH /
1196 752 143204	.RAD50 /10TH /
1197 760 170250	.RAD50 /8TH /
1198 766 165150	.RAD50 /7TH /
1199 774 162050	.RAD50 /6TH /
1200 002 153650	.RAD50 /4TH /
1201 010 150424	.RAD50 /3RD /
1202 016 012444	.RAD50 /COLORADO /
1203 024 105373	.RAD50 /VISTA /
1204 032 054730	.RAD50 /NO STREET/
1205 040 007537	.RAD50 /BROADWAY /
1206 046 057075	.RAD50 /OCEAN /
1207 054 073611	.RAD50 /SEASIDE /
1208 062 047171	.RAD50 /LVINGSTON/
1209 070 012645	.RAD50 /CRUCES /
1210 076 146376	.RAD50 /218TH /
1211 104 003341	.RAD50 /ADAMS /

1212	112	051646	.RAD50	/MONROE	/
1213	120	104666	.RAD50	/VAN BUREN	/
1214	126	015545	.RAD50	/DOMINGUEZ	/
1215	134	011373	.RAD50	/CASPIAN	/
1216	142	022673	.RAD50	/FASHION	/
1217	150	073306	.RAD50	/S FRANCISCO	/
1210	156	027044	.RAD50	/GOLDEN	/
1219	164	050557	.RAD50	/MAGNOLIA	/
1220	172	011614	.RAD50	/CEDAR	/
1221	200	062566	.RAD50	/PINE	/
1222	206	011364	.RAD50	/CALIFORNA	/
1223	214	057651	.RAD50	/OLIVE	/
1224	222	045725	.RAD50	/LEMON	/
1225	230	107764	.RAD50	/WALNUT	/
1226	236	011632	.RAD50	/CERRITOS	/
1227	244	071353	.RAD50	/ROSE	/
1228	252	054112	.RAD50	/NEBRASKA	/
1229	260	032136	.RAD50	/HOFFMAN	/
1230	266	027426	.RAD50	/GUNDRY	/
1231	274	014477	.RAD50	/DAWSON	/
1232	302	040726	.RAD50	/JUNIPERO	/
1233	310	022664	.RAD50	/FALCON	/
1234	316	031332	.RAD50	/HERMOSA	/
1235	324	051644	.RAD50	/MOLINO	/
1236	332	074057	.RAD50	/SIGNAL	/
1237	340	042626	.RAD50	/KENNEBEC	/
1238	346	076725	.RAD50	/TEMPLE	/
1239	354	057031	.RAD50	/OBISPO	/
1240	362	062064	.RAD50	/PALOMA	/
1241	370	046545	.RAD50	/LOMA	/
1242	376	070514	.RAD50	/REDONDO	/
1243	404	027221	.RAD50	/GRAND	/
1244	412	076732	.RAD50	/TERMINO	/
1245	420	071353	.RAD50	/ROSWELL	/
1246	426	113565	.RAD50	/XIMENO	/
1247	434	014715	.RAD50	/DEEBOYAR	/
1248	442	031101	.RAD50	/HAYTER	/
1249	450	012443	.RAD50	/COKE	/
1250	456	046533	.RAD50	/LOCUST	/
1251	464	020455	.RAD50	/ELM	/
1252	472	062053	.RAD50	/PACIFIC	/
1253	500	070260	.RAD50	/RAHN	/
1254	506	050700	.RAD50	/MCHELEN	/
1255	514	031072	.RAD50	/HARBOR VW	/
1256	522	063337	.RAD50	/PROSPECT	/
1257	530	073611	.RAD50	/SEABRIGHT	/
1258	536	110212	.RAD50	/WEBSTER	/
1259	544	021277	.RAD50	/EVONDA	/
1260	552	040714	.RAD50	/JUDSON	/
1261	560	007151	.RAD50	/BLINN	/
1262	566	107774	.RAD50	/WATSON	/
1263	574	073366	.RAD50	/SANFORD	/
1264	602	062567	.RAD50	/PIONEER	/
1265	610	031326	.RAD50	/HENRY FRD	/
1266	616	074201	.RAD50	/SKIPJACK	/

1267	624	062555	.RAD50	/PIERE	/
1268	632	014473	.RAD50	/DASHWOOD	/
1269	640	046547	.RAD50	/LOOMIS	/
1270	646	004422	.RAD50	/ARBOR	/
1271	654	022661	.RAD50	/FAIRMAN	/
1272	662	027225	.RAD50	/GREENTOP	/
1273	670	012404	.RAD50	/CNTRY CLB	/
1274	676	107772	.RAD50	/WARWOOD	/
1275	704	027236	.RAD50	/GRNMEADOW	/
1276	712	000000	.RAD50	/	/
1277	720	000000	.RAD50	/	/
1278	726	000000	.RAD50	/	/
1279	734	004444	.RAD50	/ARTESIA	/
1280	742	153650	.RAD50	/4TH	/
1281	750	012445	.RAD50	/COMMONWLTH	/
1282	756	165150	.RAD50	/7TH	/
1283	764	110411	.RAD50	/WHITAKER	/
1284	772	031066	.RAD50	/HANDEL	/
1285	000	011364	.RAD50	/CALIFORNA	/
1286	006	143204	.RAD50	/10TH	/
1287	014	012455	.RAD50	/COURT	/
1288	022	051646	.RAD50	/MONTANA	/
1289	030	051024	.RAD50	/MELROSE	/
1290	036	060236	.RAD50	/ORNGETHRP	/
1291	044	062057	.RAD50	/PAGE	/
1292	052	004444	.RAD50	/ARTESIA	/
1293	060	003271	.RAD50	/ACADEMY	/
1294	066	096511	.RAD50	/BEACH	/
1295	074	074741	.RAD50	/STANTON	/
1296	102	035164	.RAD50	/INDIANA	/
1297	110	014464	.RAD50	/DALE	/
1298	116	071344	.RAD50	/ROLAND	/
1299	124	051011	.RAD50	/MEADE	/
1300	132	050557	.RAD50	/MAGNOLIA	/
1301	140	057651	.RAD50	/OLIVE BRH	/
1302	146	023753	.RAD50	/FOSTER	/
1303	154	004051	.RAD50	/ALICANTE	/
1304	162	004500	.RAD50	/ASHGROVE	/
1305	170	074741	.RAD50	/STANBROOK	/
1306	176	050564	.RAD50	/MALVERN	/
1307	204	024121	.RAD50	/FRANKLIN	/
1308	212	074741	.RAD50	/STAGE	/
1309	220	100124	.RAD50	/TULARE	/
1310	226	003345	.RAD50	/ADELANTO	/
1311	234	051604	.RAD50	/MNTICU LO	/
1312	242	056763	.RAD50	/OAKMONT	/
1313	250	014715	.RAD50	/DEEPPDALE	/
1314	256	012404	.RAD50	/CNTRY CLB	/
1315	264	074445	.RAD50	/SOMERSET	/
1316	272	074740	.RAD50	/ST ANDRWS	/
1317	300	075025	.RAD50	/SUMMRSHDE	/
1318	306	142314	.RAD50	/1ST	/
1319	314	050767	.RAD50	/MDW GREEN	/
1320	322	027221	.RAD50	/GRAYVILLE	/
1321	330	074404	.RAD50	/SNTA GRTR	/

1322	336	051032	.RAD50	/MERCADO /
1323	344	022661	.RAD50	/FAIRHOPE /
1324	352	014724	.RAD50	/DELAFFIELD /
1325	360	040553	.RAD50	/LOS COYTS /
1326	366	071333	.RAD50	/ROCKLEDGE /
1327	374	051011	.RAD50	/MEADOWBRIK /
1328	402	031564	.RAD50	/HILLCREST /
1329	410	023760	.RAD50	/FOX HILLS /
1330	416	070754	.RAD50	/RIDGELEA /
1331	424	107776	.RAD50	/WAVERLY /
1332	432	042626	.RAD50	/KENWOOD /
1333	440	007713	.RAD50	/BUCK HILL /
1334	446	045472	.RAD50	/LARRYLYN /
1335	454	004444	.RAD50	/ARTESIA /
1336	462	173350	.RAD50	/9TH /
1337	470	043377	.RAD50	/KNOTT /
1338	476	104664	.RAD50	/VALLEY VW /
1339	504	050572	.RAD50	/MARQUARDT /
1340	512	011372	.RAD50	/CARMINITA /
1341	520	073471	.RAD50	/SCALES /
1342	526	060221	.RAD50	/ORANGEGRV /
1343	534	023557	.RAD50	/FLORAL /
1344	542	060223	.RAD50	/ORCHARD /
1345	550	073372	.RAD50	/SARAGOSA /
1346	556	003237	.RAD50	/ABOTSFORD /
1347	564	003427	.RAD50	/AEOLIAN /
1348	572	006526	.RAD50	/BENAVON /
1349	600	046770	.RAD50	/LS NIETOS /
1350	606	073724	.RAD50	/TELEGRAPH /
1351	614	007537	.RAD50	/BROADEN /
1352	622	012022	.RAD50	/CHRLSWRTH /
1353	630	074321	.RAD50	/SMITH /
1354	636	023807	.RAD50	/FLOSSMORE /
1355	644	040353	.RAD50	/JOSLIN /
1356	652	016126	.RAD50	/DUNNING /
1357	660	014476	.RAD50	/DAVENRICH /
1358	666	062072	.RAD50	/PARKMEAD /
1359	674	012241	.RAD50	/CLARKMAN /
1360	702	012241	.RAD50	/CLARK /
1361	710	045463	.RAD50	/LAKELAND /
1362	716	006272	.RAD50	/BARRET /
1363	724	070261	.RAD50	/RAINIER /
1364	732	006511	.RAD50	/BEATY /
1365	740	075026	.RAD50	/SUNSHINE /
1366	746	045716	.RAD50	/LEFFNGULL /
1367	754	062066	.RAD50	/PANTHEON /
1368	762	042626	.RAD50	/KENNEY /
1369	770	031332	.RAD50	/HERMES /
1370	776	006511	.RAD50	/BEATY /
1371	004	031332	.RAD50	/HERCULES /
1372	012	012625	.RAD50	/CREWE /
1373	020	016126	.RAD50	/DUNE /
1374	026	027364	.RAD50	/GTTYSBURG /
1375	034	062741	.RAD50	/PLACID /

1432	562	015545	.RAD50	/DOMART	/
1433	570	045716	.RAD50	/LEFLOSS	/
1434	576	014464	.RAD50	/DALWOOD	/
1435	604	023541	.RAD50	/FLALLON	/
1436	612	025772	.RAD50	/GARD	/
1437	620	004634	.RAD50	/AUTHURDLE	/
1438	626	076454	.RAD50	/TADDY	/
1439	634	050570	.RAD50	/MAPLEWOOD	/
1440	642	050570	.RAD50	/MAPLEDALE	/
1441	650	021403	.RAD50	/EXCELSIOR	/
1442	656	006272	.RAD50	/BARNWALL	/
1443	664	022664	.RAD50	/FALCON	/
1444	672	051254	.RAD50	/MIDWAY	/
1445	700	107764	.RAD50	/WALNUT	/
1446	706	143604	.RAD50	/166TH	/
1447	714	023557	.RAD50	/FLORA VST	/
1448	722	077721	.RAD50	/TABUCCO	/
1449	730	006524	.RAD50	/BELMONT	/
1450	736	037516	.RAD50	/JEFFERSON	/
1451	744	031557	.RAD50	/HIGHDALE	/
1452	752	023132	.RAD50	/FERINA	/
1453	760	020441	.RAD50	/ELAINE	/
1454	766	143600	.RAD50	/162ND	/
1455	774	051644	.RAD50	/MOLETTE	/
1456	002	011365	.RAD50	/CAME	/
1457	010	012005	.RAD50	/CHESHIRE	/
1458	016	020455	.RAD50	/ELMCROFT	/
1459	024	012241	.RAD50	/CLARKDALE	/
1460	032	107764	.RAD50	/WALNUT	/
1461	040	042364	.RAD50	/KALNOR	/
1462	046	007531	.RAD50	/BRIMLEY	/
1463	054	074064	.RAD50	/SILVERBOW	/
1464	062	015164	.RAD50	/DILWORTH	/
1465	070	006513	.RAD50	/BECHARD	/
1466	076	015166	.RAD50	/DINARD	/
1467	104	012452	.RAD50	/CORNET	/
1468	112	050566	.RAD50	/MANSA	/
1469	120	006767	.RAD50	/BIOLA	/
1470	126	021114	.RAD50	/ESTERO	/
1471	134	020445	.RAD50	/ELESPJO	/
1472	142	047121	.RAD50	/LUITWIELR	/
1473	150	076452	.RAD50	/TABUCA	/
1474	156	062741	.RAD50	/PLANTANA	/
1475	164	007732	.RAD50	/BURGESS	/
1476	172	012637	.RAD50	/CROSSWOOD	/
1477	200	021073	.RAD50	/ESCALONA	/
1478	206	062517	.RAD50	/PHOEBE	/
1479	214	014733	.RAD50	/DESMAN	/
1480	222	077737	.RAD50	/TROJAN	/
1481	230	031332	.RAD50	/HERON	/
1482	236	050553	.RAD50	/MACAW	/
1483	244	011366	.RAD50	/CANARY	/
1484	252	025766	.RAD50	/GANNET	/
1485	260	007352	.RAD50	/BORATE	/
1486	266	071345	.RAD50	/ROMA	/

1377 050 074522	.RAD50 /SPRNGVIEW/
1378 056 074514	.RAD50 /SPLENDORA/
1379 064 105372	.RAD50 /VIRGINIA /
1380 072 047123	.RAD50 /LUKAY /
1381 100 103151	.RAD50 /UTICA /
1382 106 012454	.RAD50 /COTEAU /
1383 114 051041	.RAD50 /MEYER /
1384 122 062061	.RAD50 /PAINTER /
1385 130 076714	.RAD50 /TEDFORD /
1386 136 012452	.RAD50 /CORLEY /
1387 144 046545	.RAD50 /LOMA /
1388 152 045724	.RAD50 /LELAND /
1389 160 076724	.RAD50 /TELECHRON/
1390 166 045475	.RAD50 /LAUREL /
1391 174 027225	.RAD50 /GREENSTNE/
1392 202 105744	.RAD50 /VOLUNTEER/
1393 210 074017	.RAD50 /SHOEMAKER/
1394 216 070514	.RAD50 /REDMAN /
1395 224 003345	.RAD50 /ADELLE /
1396 232 054752	.RAD50 /NORWALK /
1397 240 074360	.RAD50 /SN ANTNIO/
1398 246 051454	.RAD50 /MLLERGRVE/
1399 254 105353	.RAD50 /VICKI /
1400 262 014713	.RAD50 /DECOSTA /
1401 270 062567	.RAD50 /PIONEER /
1402 276 004042	.RAD50 /ALBURTIS /
1403 304 060242	.RAD50 /ORR \$ DAY/
1404 312 004434	.RAD50 /ARLEE /
1405 320 037532	.RAD50 /JERSEY /
1406 326 026211	.RAD50 /GEARY /
1407 334 062563	.RAD50 /PIKE /
1408 342 051652	.RAD50 /MORRILL /
1409 350 007732	.RAD50 /BURKE /
1410 356 046546	.RAD50 /LONGWORTH/
1411 364 022661	.RAD50 /FAIRFORD /
1412 372 074765	.RAD50 /STUDEBKER/
1413 400 007157	.RAD50 /BLOOMFIEL/
1414 406 027231	.RAD50 /GRIDLEY /
1415 414 074522	.RAD50 /SPRING /
1416 422 027221	.RAD50 /GRAYSTONE/
1417 430 062054	.RAD50 /PADDISON /
1418 436 070766	.RAD50 /RINGWOOD /
1419 444 110411	.RAD50 /WHITELAND/
1420 452 102571	.RAD50 /UNION /
1421 460 023753	.RAD50 /FOSTER /
1422 466 031064	.RAD50 /HALL /
1423 474 006524	.RAD50 /BELLFLOWER/
1424 502 021213	.RAD50 /EUCALYPTS/
1425 510 007000	.RAD50 /BIXBY /
1426 516 011364	.RAD50 /CALIFORNA/
1427 524 027221	.RAD50 /GRAND /
1428 532 050706	.RAD50 /MCNAB /
1429 540 011372	.RAD50 /CARFAX /
1430 546 012011	.RAD50 /CHICAGO /
1431 554 012644	.RAD50 /CRTS \$ KG/

1407 274 070517	.RAD50 /REGAN /
1400 302 023746	.RAD50 /FONSICA /
1409 310 007165	.RAD50 /BLUEFIELD/
1490 316 057071	.RAD50 /OCASO /
1491 324 007352	.RAD50 /BORA /
1492 332 012631	.RAD50 /CRISTOBAL/
1493 340 017767	.RAD50 /EDWARDS /
1494 346 025766	.RAD50 /GANDARA /
1495 354 021114	.RAD50 /ESTEBAN /
1496 362 037264	.RAD50 /JALISCO /
1497 370 054111	.RAD50 /NEARTREE /
1498 376 014464	.RAD50 /DALMATION/
1499 404 077731	.RAD50 /TRICIA /
1500 412 007212	.RAD50 /BMBARDIER/
1501 420 025772	.RAD50 /GARDENHIL/
1502 426 104664	.RAD50 /VALEDA /
1503 434 004421	.RAD50 /ARANZA /
1504 442 110411	.RAD50 /WHITEROCK/
1505 450 006254	.RAD50 /BADLONA /
1506 456 007521	.RAD50 /BRAZO /
1507 464 110233	.RAD50 /WESTERN /
1508 472 071353	.RAD50 /ROSTRATA /
1509 500 051264	.RAD50 /MILANO /
1510 506 012637	.RAD50 /CROSSN /
1511 514 050561	.RAD50 /MAIDSTONE/
1512 522 032152	.RAD50 /HORST /
1513 530 050572	.RAD50 /MARSHALL /
1514 536 027415	.RAD50 /GUESS /
1515 544 017572	.RAD50 /EARL /
1516 552 107764	.RAD50 /WALNUT GR/
1517 560 031072	.RAD50 /HART /
1518 566 032146	.RAD50 /KONDO /
1519 574 020454	.RAD50 /ELLIS /
1520 602 074762	.RAD50 /STRANG /
1521 610 054752	.RAD50 /NORWOOD /
1522 616 014711	.RAD50 /DEADALENA/
1523 624 014724	.RAD50 /DELTA /
1524 632 035661	.RAD50 /IVAR /
1525 640 020563	.RAD50 /ENCIENITA/
1526 646 027221	.RAD50 /GRAND /
1527 654 110224	.RAD50 /WELLS /
1528 662 071353	.RAD50 /ROSE /
1529 670 051273	.RAD50 /MISSION /
1530 676 047252	.RAD50 /LWR AZUSA/
1531 704 121532	.RAD50 /ZERALDA /
1532 712 006272	.RAD50 /GARRETTE /
1533 720 070767	.RAD50 /RIO DELL /
1534 726 054137	.RAD50 /NEWBY /
1535 734 073507	.RAD50 /SCOTT /
1536 742 011626	.RAD50 /CENTRALIA/
1537 750 031072	.RAD50 /HARVEY /
1538 756 045737	.RAD50 /LEW DAVIS/
1539 764 062072	.RAD50 /PARKCREST/
1540 772 012446	.RAD50 /CONANT /
1541 000 031072	.RAD50 /HARCO /

1542 006 05:646	.RAD50 /MONLACO /
1543 014 05:042	.RAD50 /MEZZANINE/
1544 022 062057	.RAD50 /PAGENTRY/
1545 030 147004	.RAD50 /28TH /
1546 036 017557	.RAD50 /EAGLE /
1547 044 046770	.RAD50 /LS COYOTE/
1548 052 105540	.RAD50 /VL SERENO/
1549 060 004550	.RAD50 /ATHERTON /
1550 066 020440	.RAD50 /EL PARQUE/
1551 074 012241	.RAD50 /CLARK /
1552 102 004320	.RAD50 /APPIAN /
1553 110 145064	.RAD50 /2ND /
1554 116 077544	.RAD50 /TOLEDO /
1555 124 015176	.RAD50 /DIVISION /
1556 132 057075	.RAD50 /OCEAN /
1557 140 004161	.RAD50 /ANAHEIM /
1558 146 003222	.RAD50 /ABBNEYFIEL/
1559 154 062072	.RAD50 /PARK /
1560 162 054355	.RAD50 /NIETO /
1561 170 045476	.RAD50 /LAVERNE /
1562 176 073366	.RAD50 /SANTA ANA/
1563 204 073366	.RAD50 /SANTIAGO /
1564 212 07:734	.RAD50 /RUTGERS /
1565 220 022653	.RAD50 /FACULTY /
1566 226 03:102	.RAD50 /HAZELBROK/
1567 234 046552	.RAD50 /LORELEI /
1568 242 045463	.RAD50 /LAKEWOOD /
1569 250 02:213	.RAD50 /EUCLID /
1570 256 045450	.RAD50 /LA CARA /
1571 264 062072	.RAD50 /PARK /
1572 272 020440	.RAD50 /EL RAMILO/
1573 300 074745	.RAD50 /STEARNLEE/
1574 306 05:646	.RAD50 /MONTAIR /
1575 314 107764	.RAD50 /WALTON /
1576 322 046174	.RAD50 /LITCHFIEL/
1577 330 074756	.RAD50 /STNBRIDGE/
1578 336 022661	.RAD50 /FAIRBROOK/
1579 344 014710	.RAD50 /DE ORA /
1580 352 004500	.RAD50 /ASHWORTH /
1581 360 004054	.RAD50 /ALLINGTON/
1582 366 042641	.RAD50 /KEYNOTE /
1583 374 05:034	.RAD50 /METZ /
1584 402 074741	.RAD50 /STATE UNV/
1585 410 062064	.RAD50 /PALO VERD/
1586 416 015556	.RAD50 /DOVEY /
1587 424 042372	.RAD50 /KAREN /
1588 432 074745	.RAD50 /STEVELY /
1589 440 057071	.RAD50 /OCANA /
1590 446 022666	.RAD50 /FANWOOD /
1591 454 027046	.RAD50 /GONDAR /
1592 462 074360	.RAD50 /SN ANSELN/
1593 470 01:366	.RAD50 /CANEHILL /
1594 476 100132	.RAD50 /TURNER /
1595 504 01:372	.RAD50 /CARPINTERO/
1596 512 022675	.RAD50 /FAUST /

1597 520 004421	.RAD50 /ARABELLA /
1598 526 106315	.RAD50 /VUELTA GR/
1599 534 043377	.RAD50 /KNOXVILLE/
1600 542 040353	.RAD50 /JOSIE /
1601 550 051646	.RAD50 /MONOGRAM /
1602 556 074001	.RAD50 /SHAGWAY /
1603 564 105744	.RAD50 /VOLK /
1604 572 046770	.RAD50 /LS SANTOS/
1605 600 015731	.RAD50 /DRISCOLL /
1606 606 050566	.RAD50 /MANTOVA /
1607 614 173350	.RAD50 /9TH /
1608 622 074064	.RAD50 /SILVERA /
1609 630 050572	.RAD50 /MARGO /
1610 636 017503	.RAD50 /E CAMPUS /
1611 644 014710	.RAD50 /DE LEON /
1612 652 070526	.RAD50 /RENDINA /
1613 660 046553	.RAD50 /LUS ARCOS/
1614 666 146472	.RAD50 /23RD /
1615 674 014712	.RAD50 /DEBORAH /
1616 702 056763	.RAD50 /OAKBROOK /
1617 710 074377	.RAD50 /SNOWDEN /
1618 716 006272	.RAD50 /BARDANELL/
1619 724 007551	.RAD50 /BRYANT /
1620 732 023551	.RAD50 /FLINT /
1621 740 006272	.RAD50 /BARRIOS /
1622 746 006526	.RAD50 /BENMORE /
1623 754 023124	.RAD50 /FELSON /
1624 762 034222	.RAD50 /IBBETSON /
1625 770 074360	.RAD50 /SN GABRL /
1626 776 004164	.RAD50 /ANDY /
1627 004 051253	.RAD50 /MICHELSON/
1628 012 062072	.RAD50 /PARKCREST/
1629 020 105364	.RAD50 /VILLAGE /
1630 026 015552	.RAD50 /DORM /
1631 034 107703	.RAD50 /W CAMPUS /
1632 042 051032	.RAD50 /MERIAM /
1633 050 007000	.RAD50 /BIXBY HIL/
1634 056 031564	.RAD50 /HILLSIDE /
1635 064 070266	.RAD50 /RANCHO /
1636 072 142314	.RAD50 /1ST /
1637 100 050572	.RAD50 /MARINA /
1638 106 070276	.RAD50 /RAVENNA /
1639 114 146373	.RAD50 /215TH /
1640 122 146367	.RAD50 /211TH /
1641 130 054113	.RAD50 /NECTAR /
1642 136 012001	.RAD50 /CHADWELL /
1643 144 031072	.RAD50 /HARVEST /
1644 152 017625	.RAD50 /EBERLE /
1645 160 105364	.RAD50 /VILLAGE /
1646 166 051647	.RAD50 /MOORE /
1647 174 045466	.RAD50 /LANGFIELD/
1648 202 027225	.RAD50 /GREENING /
1649 210 006511	.RAD50 /BEACH /
1650 216 074757	.RAD50 /STOWERS /
1651 224 013015	.RAD50 /CUESTA /

1652 232 117665	.RAD50 /YVETTE /
1653 240 051604	.RAD50 /MNTCRSTO/
1654 246 012001	.RAD50 /CHAPPARAL/
1655 254 110464	.RAD50 /WILDER /
1656 262 004422	.RAD50 /ARBOR /
1657 270 035164	.RAD50 /INDUSTRY /
1658 276 105355	.RAD50 /VIERRA /
1659 304 050572	.RAD50 /MARTHA /
1660 312 071353	.RAD50 /ROSE /
1661 320 037516	.RAD50 /JEFFRY /
1662 326 075024	.RAD50 /SULTON /
1663 334 143721	.RAD50 /103RD /
1664 342 024125	.RAD50 /FRESCA /
1665 350 031311	.RAD50 /HEATHER /
1666 356 014472	.RAD50 /DARVILLE /
1667 364 062072	.RAD50 /PARKVALE /
1668 372 003307	.RAD50 /ACORD /
1669 400 050575	.RAD50 /MAURICE /
1670 406 062572	.RAD50 /PIRES /
1671 414 022652	.RAD50 /FABRICA /
1672 422 014713	.RAD50 /DECANSO /
1673 430 070517	.RAD50 /REGIO /
1674 436 004064	.RAD50 /ALTURA /
1675 444 011352	.RAD50 /CABALLERO/
1676 452 073366	.RAD50 /SANBURG /
1677 460 046467	.RAD50 /LNGFELLOW/
1678 466 170250	.RAD50 /BTH /
1679 474 023541	.RAD50 /FLAMINGO /
1680 502 032144	.RAD50 /HOLDER /
1681 510 006536	.RAD50 /BEVERLY /
1682 516 074745	.RAD50 /STEVENS /
1683 524 012241	.RAD50 /CLARK /
1684 532 051652	.RAD50 /MORY /
1685 540 004424	.RAD50 /ARDIS /
1686 546 031317	.RAD50 /HEGEL /
1687 554 105372	.RAD50 /VIRGINIA /
1688 562 011632	.RAD50 /CERRITOS /
1689 570 007713	.RAD50 /BUCKLES /
1690 576 031066	.RAD50 /HANWELL /
1691 604 032132	.RAD50 /HOBACK /
1692 612 050566	.RAD50 /MANDALE /
1693 620 063331	.RAD50 /PRITCHARD/
1694 626 074446	.RAD50 /SONRISA /
1695 634 007141	.RAD50 /BLAINE /
1696 642 032144	.RAD50 /HOLLYWOOD/
1697 650 075026	.RAD50 /SUNSET /
1698 656 023755	.RAD50 /FOUNTAIN /
1699 664 045740	.RAD50 /LEXINGTON/
1700 672 074404	.RAD50 /SNTA MNCA/
1701 700 050744	.RAD50 /MDDLURRY/
1702 706 032770	.RAD50 /HYPERION /
1703 714 050700	.RAD50 /MCHLTORN/
1704 722 074064	.RAD50 /SILVER LK/
1705 730 014724	.RAD50 /DELMAR /
1706 736 110466	.RAD50 /WINSLOW /

1707 744 050572	.RAD50 /MARATHON /
1708 752 006524	.RAD50 /BELLEVUE /
1709 760 042626	.RAD50 /KENT /
1710 766 006524	.RAD50 /BELMONT /
1711 774 026645	.RAD50 /GLENDALE /
1712 002 062072	.RAD50 /PARK /
1713 010 017700	.RAD50 /ECHO PARK /
1714 016 042626	.RAD50 /KENSINGTON /
1715 024 045476	.RAD50 /LAVETA /
1716 032 015555	.RAD50 /DOUGLAS /
1717 040 042624	.RAD50 /KELLAM /
1718 046 032144	.RAD50 /HOLLYWOOD /
1719 054 020471	.RAD50 /ELYSIAN /
1720 062 074741	.RAD50 /STADIUM /
1721 070 046547	.RAD50 /LOOKOUT /
1722 076 046164	.RAD50 /LILAC /
1723 104 050572	.RAD50 /MARVIEW /
1724 112 023357	.RAD50 /FIGUEROA /
1725 120 012444	.RAD50 /COLLEGE /
1726 126 004060	.RAD50 /ALPINE /
1727 134 060224	.RAD50 /ORD /
1728 142 062073	.RAD50 /PASADENA /
1729 150 027044	.RAD50 /GOLDEN /
1730 156 074522	.RAD50 /SPRING /
1731 164 074454	.RAD50 /SOTELLO /
1732 172 051033	.RAD50 /MESNAGER /
1733 200 004042	.RAD50 /ALBION /
1734 206 004665	.RAD50 /AVE 17 /
1735 214 014472	.RAD50 /DARWIN /
1736 222 004665	.RAD50 /AVE 20 /
1737 230 074444	.RAD50 /SOLANO /
1738 236 062072	.RAD50 /PARK ROW /
1739 244 062073	.RAD50 /PASADENA /
1740 252 006275	.RAD50 /GAUCHET /
1741 260 050553	.RAD50 /MACY /
1742 266 051273	.RAD50 /MISSION /
1743 274 074360	.RAD50 /SN FERNAN /
1744 302 026234	.RAD50 /GETTY /
1745 310 026452	.RAD50 /GIBBONS /
1746 316 051655	.RAD50 /MOULTON /
1747 324 045465	.RAD50 /LAMAR /
1748 332 011372	.RAD50 /CARDINA /
1749 340 007157	.RAD50 /BLOOM /
1750 346 105357	.RAD50 /VIGNES /
1751 354 050572	.RAD50 /MARENGO /
1752 362 004665	.RAD50 /AVE 26 /
1753 370 004665	.RAD50 /AVE 28 /
1754 376 004665	.RAD50 /AVE 33 /
1755 404 045453	.RAD50 /LACY /
1756 412 004665	.RAD50 /AVE 23 /
1757 420 032525	.RAD50 /HUMBOLDT /
1758 426 050566	.RAD50 /MANITOU /
1759 434 027231	.RAD50 /GRIFFIN /
1760 442 017573	.RAD50 /EASTLAKE /
1761 450 006264	.RAD50 /BALDWIN /

1762 456 077117	.RAD50 /THOMAS /
1763 464 046166	.RAD50 /LINCOLN /
1764 472 040340	.RAD50 /JOHNSTON /
1765 500 063325	.RAD50 /PREWITT /
1766 506 023557	.RAD50 /FLORA /
1767 514 074055	.RAD50 /SIERRA /
1768 522 071332	.RAD50 /ROBERTA /
1769 530 051032	.RAD50 /MERCURY /
1770 536 004115	.RAD50 /AMETHYST /
1771 544 073624	.RAD50 /SELIG /
1772 552 045465	.RAD50 /LAMBIE /
1773 560 073366	.RAD50 /SAN PABLO /
1774 566 006757	.RAD50 /BIGGY /
1775 574 122346	.RAD50 /ZONAL /
1776 602 013025	.RAD50 /CUMMINGS /
1777 610 012011	.RAD50 /CHICAGO /
1778 616 014464	.RAD50 /DALY /
1779 624 012445	.RAD50 /COMMODORE /
1700 632 070254	.RAD50 /RADIUM /
1781 640 023752	.RAD50 /FOREST PK /
1782 646 004115	.RAD50 /AMETHYST /
1783 654 021105	.RAD50 /ESMERALDO /
1784 662 025764	.RAD50 /GALENA /
1785 670 070301	.RAD50 /RAYNOL /
1786 676 070541	.RAD50 /REYNOLDS /
1787 704 051646	.RAD50 /MONTECITO /
1788 712 007355	.RAD50 /BOUNDARY /
1789 720 074066	.RAD50 /SINOVA /
1790 726 031332	.RAD50 /HERMON /
1791 734 051646	.RAD50 /MONTEREY /
1792 742 042626	.RAD50 /KENDALL /
1793 750 032526	.RAD50 /HUNTINGTN /
1794 756 032526	.RAD50 /HUNTINGTN /
1795 764 017754	.RAD50 /EDLOFT /
1796 772 007357	.RAD50 /BOWMAN /
1797 000 076725	.RAD50 /TEMPLETON /
1798 006 042637	.RAD50 /KEWANEE /
1799 014 037273	.RAD50 /JASPER /
1800 022 042626	.RAD50 /KENNETH /
1801 030 100241	.RAD50 /TWINING /
1802 036 051266	.RAD50 /MINTO /
1803 044 053676	.RAD50 /NAVARRO /
1804 052 046156	.RAD50 /LIFUR /
1805 060 022661	.RAD50 /FAINSWORTH /
1806 066 107772	.RAD50 /WARWICK /
1807 074 004054	.RAD50 /ALLAN /
1808 102 054752	.RAD50 /NORWICH /
1809 110 063150	.RAD50 /POPLAR /
1810 116 012005	.RAD50 /CHESTER /
1811 124 007714	.RAD50 /BUDAU /
1812 132 031076	.RAD50 /HAVEN /
1813 140 047366	.RAD50 /LYNNFIELD /
1814 146 063515	.RAD50 /PUEBLO /
1815 154 046545	.RAD50 /LOMBARDY /
1816 162 014472	.RAD50 /DARTMOUTH /

1817	170	01:364	.RAD50	/CALANDRIA/
1818	176	054752	.RAD50	/NOELLE /
1819	204	043241	.RAD50	/KLAMATH /
1820	212	023374	.RAD50	/FITHIAN /
1821	220	015745	.RAD50	/DRUID /
1822	226	116424	.RAD50	/YELLOWSTN/
1823	234	013272	.RAD50	/CYRIL /
1824	242	03:074	.RAD50	/HATFIELD /
1825	250	07:346	.RAD50	/RONDA /
1826	256	014724	.RAD50	/DEL PASO /
1827	264	05:032	.RAD50	/MERIDIAN /
1828	272	074753	.RAD50	/STKBRIDGE/
1829	300	03:065	.RAD50	/HAMPTON /
1830	306	110721	.RAD50	/WMINISTER/
1831	314	110233	.RAD50	/WESTMONT /
1832	322	012446	.RAD50	/CONCORD /
1833	330	110466	.RAD50	/WINTHROP /
1834	336	007340	.RAD50	/BOHLIG /
1835	344	01:376	.RAD50	/CAVANAUGH/
1836	352	045466	.RAD50	/LANSDOWNE/
1837	360	074001	.RAD50	/SHAW /
1838	366	062072	.RAD50	/PARNETT /
1839	374	060315	.RAD50	/OSULLIVAN/
1840	402	073621	.RAD50	/SEIGNEUR /
1841	410	045736	.RAD50	/LEVANDA /
1842	416	050572	.RAD50	/MARIONDLE/
1843	424	050572	.RAD50	/MARIANNA /
1844	432	012072	.RAD50	/CIRCLE /
1845	440	006272	.RAD50	/BARNETT /
1846	446	01:365	.RAD50	/CAMPUS /
1847	454	070265	.RAD50	/RAMONA /
1848	462	05:254	.RAD50	/MIDWICK /
1849	470	026645	.RAD50	/GLENHAVEN/
1850	476	062072	.RAD50	/PARKVIEW /
1851	504	01:352	.RAD50	/CABRILLO /
1852	512	076732	.RAD50	/TERRACE /
1853	520	054752	.RAD50	/NORWOOD /
1854	526	063772	.RAD50	/PYRENEES /
1855	534	026645	.RAD50	/GLENDON /
1856	542	05:014	.RAD50	/MEDFORD /
1857	550	023757	.RAD50	/FOWLER /
1858	556	110411	.RAD50	/WHITESIDE/
1859	564	077725	.RAD50	/TREMONT /
1860	572	012005	.RAD50	/CHELSEA /
1861	600	052232	.RAD50	/MURCHISON/
1862	606	004043	.RAD50	/ALCAZAR /
1863	614	062332	.RAD50	/PERRIS /
1864	622	015174	.RAD50	/DITMAN /
1865	630	003353	.RAD50	/ADKINSON /
1866	636	016126	.RAD50	/DUNN /
1867	644	007346	.RAD50	/BONNIE BH/
1868	652	05:264	.RAD50	/MILLER /
1869	660	050566	.RAD50	/MANHATTAN/
1870	666	07:720	.RAD50	/RUHLAND /
1871	674	143602	.RAD50	/164TH /

1872 702 143605	.RAD50 /167TH /
1873 710 027221	.RAD50 /GRAHAM /
1874 716 022672	.RAD50 /FARREL /
1875 724 143222	.RAD50 /104TH /
1876 732 074501	.RAD50 /SPACE PRK/
1877 740 143465	.RAD50 /147TH /
1878 746 071734	.RAD50 /RUTHBAR /
1879 754 143276	.RAD50 /118TH /
1880 762 143277	.RAD50 /119TH /
1881 770 031072	.RAD50 /HARDY /
1882 776 004422	.RAD50 /ARBOR VIT/
1883 804 031564	.RAD50 /HILLCREST/
1884 812 042624	.RAD50 /KELSO /
1885 820 051563	.RAD50 /WINCHESTER/
1886 826 070517	.RAD50 /REGENT /
1887 834 027221	.RAD50 /GRACE /
1888 842 006511	.RAD50 /BEACH /
1889 850 031102	.RAD50 /HAZEL /
1890 856 032754	.RAD50 /HYDE PARK/
1891 864 105126	.RAD50 /VENICE /
1892 872 077117	.RAD50 /THORNBURN/
1893 100 062771	.RAD50 /PLYMOUTH /
1894 106 012404	.RAD50 /CONTINELIA/
1895 114 022661	.RAD50 /FAIRVIEW /
1896 122 163144	.RAD50 /64TH /
1897 130 163072	.RAD50 /63RD /
1898 136 074455	.RAD50 /SOUTHWEST/
1899 144 162704	.RAD50 /60TH /
1900 152 160354	.RAD50 /59TH /
1901 160 155204	.RAD50 /48TH /
1902 166 050572	.RAD50 /MARLBOROU/
1903 174 107772	.RAD50 /WARREN /
1904 202 110212	.RAD50 /WEBER /
1905 210 027221	.RAD50 /GRAMERCY /
1906 216 013024	.RAD50 /CULLIVAN /
1907 224 104666	.RAD50 /VAN WICK /
1908 232 077117	.RAD50 /THOREAU /
1909 240 116464	.RAD50 /WILTON /
1910 246 110233	.RAD50 /WESTERN /
1911 254 004434	.RAD50 /ARLINGTON/
1912 262 104666	.RAD50 /VAN NESS /
1913 270 156750	.RAD50 /5TH /
1914 276 016112	.RAD50 /DUBLIN /
1915 304 050572	.RAD50 /MARIGOLD /
1916 312 004423	.RAD50 /ARCTURUS /
1917 320 011373	.RAD50 /CASIMIR /
1918 326 170250	.RAD50 /8TH /
1919 334 012625	.RAD50 /CRENSHAW /
1920 342 045725	.RAD50 /LEMOLI /
1921 350 110464	.RAD50 /WILKIE /
1922 356 110233	.RAD50 /WEST /
1923 364 014472	.RAD50 /DARBY /
1924 372 007537	.RAD50 /BROADWAY /
1925 400 012001	.RAD50 /CHADRON /
1926 406 012631	.RAD50 /CRIESE /

1927 414 026645	.RAD50 /GLENBURN /
1928 422 117623	.RAD50 /YUKON /
1929 430 015554	.RAD50 /DOTY /
1930 436 003666	.RAD50 /AINSWORTH/
1931 444 004066	.RAD50 /ALVISO /
1932 452 062072	.RAD50 /PARK /
1933 460 063321	.RAD50 /PRAIRIE /
1934 466 105132	.RAD50 /VERDUN /
1935 474 042626	.RAD50 /KENISTON /
1936 502 051011	.RAD50 /MEACHAM /
1937 510 017747	.RAD50 /EDGE MAR /
1938 516 007713	.RAD50 /BUCKLES /
1939 524 045450	.RAD50 /LA BREA /
1940 532 060465	.RAD50 /OVERHILL /
1941 540 023355	.RAD50 /FIELD /
1942 546 110224	.RAD50 /WELTON /
1943 554 007325	.RAD50 /BRETT /
1944 562 026001	.RAD50 /GAY /
1945 570 017747	.RAD50 /EDGEWOOD /
1946 576 021213	.RAD50 /EUCALYPTS/
1947 604 022661	.RAD50 /FAIRFAX /
1948 612 014465	.RAD50 /DAMASK /
1949 620 045450	.RAD50 /LA TIJERA/
1950 626 020641	.RAD50 /GLASCOV /
1951 634 026645	.RAD50 /GLENWAY /
1952 642 031564	.RAD50 /HILL /
1953 650 003271	.RAD50 /ACACIA /
1954 656 035167	.RAD50 /INGLEWOOD/
1955 664 043066	.RAD50 /KINGS /
1956 672 012055	.RAD50 /CIENEGA /
1957 700 012452	.RAD50 /CORNING /
1958 706 043377	.RAD50 /KNOWLTON /
1959 714 027034	.RAD50 /GODDARD /
1960 722 033501	.RAD50 /ISIS /
1961 730 026641	.RAD50 /GLASCOV /
1962 736 015547	.RAD50 /DOOLITTLE/
1963 744 007157	.RAD50 /BLOSSOM /
1964 752 031566	.RAD50 /HINDRY /
1965 760 143463	.RAD50 /145TH /
1966 766 104661	.RAD50 /VAIL /
1967 774 050553	.RAD50 /MACKAY /
1968 002 062505	.RAD50 /PHELAN /
1969 010 006524	.RAD50 /BELAND /
1970 016 024125	.RAD50 /FREEMAN /
1971 024 015557	.RAD50 /DOW /
1972 032 062332	.RAD50 /PERKINS /
1973 040 023124	.RAD50 /FELTON /
1974 046 057075	.RAD50 /OCEAN GAT/
1975 054 074017	.RAD50 /SHOUP /
1976 062 070265	.RAD50 /RAMONA /
1977 070 024125	.RAD50 /FREEMAN /
1978 076 107773	.RAD50 /WASHINGTON/
1979 104 037532	.RAD50 /JERRERSON/
1980 112 075026	.RAD50 /SUNDALE /
1981 120 075026	.RAD50 /REDFERN /

1902	126	007716	.RAD50	/BUFORD	/
1903	134	023124	.RAD50	/FELTON	/
1904	142	056763	.RAD50	/OAK	/
1905	150	023372	.RAD50	/FIRMONA	/
1906	156	023372	.RAD50	/FIR	/
1907	164	107764	.RAD50	/WALNUT	/
1960	172	031077	.RAD50	/HAWTHORNE	/
1989	200	052472	.RAD50	/MYRTLE	/
1990	206	023557	.RAD50	/FLOWER	/
1991	214	014720	.RAD50	/DEHN	/
1992	222	073366	.RAD50	/SANTA FE	/
1993	230	105747	.RAD50	/VOORHEES	/
1994	236	070515	.RAD50	/REES	/
1995	244	013024	.RAD50	/CULVER	/
1996	252	107774	.RAD50	/WATerview	/
1997	260	050566	.RAD50	/MANITOBA	/
1998	266	073366	.RAD50	/SANDPIPER	/
1999	274	106434	.RAD50	/77TH	/
2000	302	160364	.RAD50	/76TH	/
2001	310	023372	.RAD50	/FIREBRAND	/
2002	316	053666	.RAD50	/NANCY	/
2003	324	107764	.RAD50	/WALNUT	/
2004	332	056763	.RAD50	/OAK	/
2005	340	050572	.RAD50	/MARIPOSA	/
2006	346	027221	.RAD50	/GRAND	/
2007	354	043064	.RAD50	/KILGORE	/
2008	362	035323	.RAD50	/IPSWICH	/
2009	370	023704	.RAD50	/FNTNOLEAU	/
2010	376	006511	.RAD50	/BEAUMONT	/
2011	404	103141	.RAD50	/UTAH	/
2012	412	004041	.RAD50	/ALASKA	/
2013	420	031077	.RAD50	/HAWAII	/
2014	426	110473	.RAD50	/WISEBURN	/
2015	434	104664	.RAD50	/VAL \$ ARD	/
2016	442	151453	.RAD50	/31ST	/
2017	450	050572	.RAD50	/MARINE	/
2018	456	146614	.RAD50	/25TH	/
2019	464	143754	.RAD50	/19TH	/
2020	472	143634	.RAD50	/17TH	/
2021	500	170250	.RAD50	/8TH	/
2022	506	145064	.RAD50	/2ND	/
2023	514	046467	.RAD50	/LNGFELLOW	/
2024	522	142314	.RAD50	/1ST	/
2025	530	155014	.RAD50	/45TH	/
2026	536	154553	.RAD50	/41ST	/
2027	544	151404	.RAD50	/30TH	/
2028	552	143704	.RAD50	/16TH	/
2029	560	170250	.RAD50	/8TH	/
2030	566	050570	.RAD50	/MAPLE	/
2031	574	004671	.RAD50	/AVIATION	/
2032	602	070514	.RAD50	/REDONDO	/
2033	610	015555	.RAD50	/DOUGLAS	/
2034	616	062313	.RAD50	/PECK	/
2035	624	053673	.RAD50	/NASH	/
2036	632	053673	.RAD50	/MEADOWS	/

2092	352	050561	.RAD50	/MAIN	/
2093	360	074005	.RAD50	/SHELDON	/
2094	366	050572	.RAD50	/MARYLAND	/
2095	374	060225	.RAD50	/OREGON	/
2096	402	011364	.RAD50	/CALIFORNA	/
2097	410	107773	.RAD50	/WASHINGTON	/
2098	416	035054	.RAD50	/ILLINOIS	/
2099	424	063141	.RAD50	/POINSETTA	/
2100	432	045475	.RAD50	/LAUREL	/
2101	440	007141	.RAD50	/BLANCHE	/
2102	446	027221	.RAD50	/GRANDVIEW	/
2103	454	062053	.RAD50	/PACIFIC	/
2104	462	013025	.RAD50	/CUM LAUDE	/
2105	470	143655	.RAD50	/177TH	/
2106	476	070403	.RAD50	/ROCKEFELLER	/
2107	504	012241	.RAD50	/CLARK	/
2108	512	070264	.RAD50	/RALSTON	/
2109	520	006524	.RAD50	/BELMONT	/
2110	526	143725	.RAD50	/187TH	/
2111	534	077557	.RAD50	/TOWERS	/
2112	542	053672	.RAD50	/NARROT	/
2113	550	014715	.RAD50	/DEELANE	/
2114	556	031064	.RAD50	/MALISON	/
2115	564	026232	.RAD50	/GERKIN	/
2116	572	004121	.RAD50	/AMIE	/
2117	600	050554	.RAD50	/MADISON	/
2118	606	074505	.RAD50	/SPENCER	/
2119	614	062073	.RAD50	/PASO CAMPO	/
2120	622	025772	.RAD50	/GARNET	/
2121	630	012444	.RAD50	/COLUMBIA	/
2122	636	011364	.RAD50	/CALIFORNA	/
2123	644	050572	.RAD50	/MARICOPA	/
2124	652	020515	.RAD50	/EMERALD	/
2125	660	050572	.RAD50	/MARSHALL	/
2126	666	022673	.RAD50	/FASHION	/
2127	674	045726	.RAD50	/LENDRE	/
2128	702	074745	.RAD50	/STEVEANN	/
2129	710	071712	.RAD50	/RUBY	/
2130	716	074446	.RAD50	/SONOMA	/
2131	724	020567	.RAD50	/ENGRACIA	/
2132	732	020440	.RAD50	/EL PRADO	/
2133	740	045475	.RAD50	/LAURETTE	/
2134	746	062004	.RAD50	/P DELAMO	/
2135	754	051646	.RAD50	/MONTEREY	/
2136	762	046166	.RAD50	/LINCOLN	/
2137	770	050572	.RAD50	/MARINETTE	/
2138	776	073366	.RAD50	/SANTA FE	/
2139	804	146444	.RAD50	/226TH	/
2140	812	146447	.RAD50	/229TH	/
2141	820	051254	.RAD50	/MIDDLEBROOK	/
2142	826	032512	.RAD50	/HUBER	/
2143	834	074001	.RAD50	/SHARYNNE	/
2144	842	006766	.RAD50	/BINDEWALD	/
2145	850	011372	.RAD50	/CAROL	/
2146	856	146510	.RAD50	/232ND	/

2037 640 104664	.RAD50 /VALMONTE /
2038 646 151572	.RAD50 /33RD /
2039 654 062072	.RAD50 /PARK /
2040 662 012404	.RAD50 /CONTINENTL /
2041 670 045461	.RAD50 /LAIRPORT /
2042 676 046164	.RAD50 /LILIENTHL /
2043 704 006264	.RAD50 /BALLANCA /
2044 712 060271	.RAD50 /MSAGE /
2045 720 006524	.RAD50 /LTFORD /
2046 726 070511	.RAD50 /READING /
2047 734 027035	.RAD50 /GOEBEL /
2048 742 012637	.RAD50 /CROYDON /
2049 750 026651	.RAD50 /GLIDER /
2050 756 035204	.RAD50 /INTRCEPTR /
2051 764 110464	.RAD50 /WILEY PST /
2052 772 110464	.RAD50 /WILL RGRS /
2053 000 050673	.RAD50 /MCCONNELL /
2054 006 020515	.RAD50 /EMERSON /
2055 014 110233	.RAD50 /WESTLAWN /
2056 022 042626	.RAD50 /KENTWOOD /
2057 030 016126	.RAD50 /DUNFIELD /
2058 036 004431	.RAD50 /ARIZONA /
2059 044 070757	.RAD50 /RIGG /
2060 052 077745	.RAD50 /TRUXTON /
2061 060 171104	.RAD50 /80TH /
2062 066 046152	.RAD50 /LIBERATOR /
2063 074 117252	.RAD50 /YORKTOWN /
2064 102 003672	.RAD50 /AIRPORT /
2065 110 020440	.RAD50 /EL MANOR /
2066 116 026227	.RAD50 /GEORGETWN /
2067 124 046561	.RAD50 /LOYOLA /
2068 132 023752	.RAD50 /FORDHAM /
2069 140 074741	.RAD50 /STANMOOR /
2070 146 070301	.RAD50 /RAYFORD /
2071 154 174444	.RAD50 /94TH /
2072 162 105364	.RAD50 /VILLANOVA /
2073 170 004064	.RAD50 /ALTAVAN /
2074 176 003672	.RAD50 /AIRPORT /
2075 204 035204	.RAD50 /INTERNATL /
2076 212 062072	.RAD50 /PARK HILL /
2077 220 022664	.RAD50 /FALMOUTH /
2078 226 027424	.RAD50 /GULANA /
2079 234 070514	.RAD50 /REDLANDS /
2080 242 073372	.RAD50 /SARAN /
2081 250 111052	.RAD50 /WORLD WAY /
2082 256 111052	.RAD50 /WORLD WAY /
2083 264 062332	.RAD50 /PERSHING /
2084 272 105353	.RAD50 /VICKSBURG /
2085 300 077721	.RAD50 /TRASK /
2086 306 106214	.RAD50 /VSTA DMAR /
2087 314 031557	.RAD50 /HIGHLAND /
2088 322 050566	.RAD50 /MANHATTAN /
2089 330 031564	.RAD50 /HILLCREST /
2090 336 110411	.RAD50 /WHITING /
2091 344 105372	.RAD50 /VIRGINIA /

2092	352	050561	.RAD50	/MAIN	/
2093	360	074005	.RAD50	/SHELDON	/
2094	366	050572	.RAD50	/MARYLAND	/
2095	374	060225	.RAD50	/OREGON	/
2096	402	011364	.RAD50	/CALIFORNA	/
2097	410	107773	.RAD50	/WASHINGTON	/
2098	416	035054	.RAD50	/ILLINOIS	/
2099	424	063141	.RAD50	/POINSETTA	/
2100	432	045475	.RAD50	/LAUREL	/
2101	440	007141	.RAD50	/BLANCHE	/
2102	446	027221	.RAD50	/GRANDVIEW	/
2103	454	062053	.RAD50	/PACIFIC	/
2104	462	013025	.RAD50	/CUM LAUDE	/
2105	470	143655	.RAD50	/177TH	/
2106	476	070403	.RAD50	/ROCKEFELLER	/
2107	504	012241	.RAD50	/CLARK	/
2108	512	070264	.RAD50	/RALSTON	/
2109	520	006524	.RAD50	/BELMONT	/
2110	526	143725	.RAD50	/107TH	/
2111	534	077557	.RAD50	/TOWERS	/
2112	542	053672	.RAD50	/NARROT	/
2113	550	014715	.RAD50	/DEELANE	/
2114	556	031064	.RAD50	/HALISON	/
2115	564	026232	.RAD50	/GERKIN	/
2116	572	004121	.RAD50	/AMIE	/
2117	600	050554	.RAD50	/MADISON	/
2118	606	074505	.RAD50	/SPENCER	/
2119	614	062073	.RAD50	/PASO CEMPO	/
2120	622	025772	.RAD50	/GARNET	/
2121	630	012444	.RAD50	/COLUMBIA	/
2122	636	011364	.RAD50	/CALIFORNA	/
2123	644	050572	.RAD50	/MARICOPA	/
2124	652	020515	.RAD50	/EMERALD	/
2125	660	050572	.RAD50	/MARSHALL	/
2126	666	022673	.RAD50	/FASHION	/
2127	674	045726	.RAD50	/LENORE	/
2128	702	074745	.RAD50	/STEVEANN	/
2129	710	071712	.RAD50	/RUBY	/
2130	716	074446	.RAD50	/SONOMA	/
2131	724	020567	.RAD50	/ENGRACIA	/
2132	732	020440	.RAD50	/EL PRADO	/
2133	740	045475	.RAD50	/LAURETTE	/
2134	746	062004	.RAD50	/P DELAMO	/
2135	754	051646	.RAD50	/MONTEREY	/
2136	762	046166	.RAD50	/LINCOLN	/
2137	770	050572	.RAD50	/MARINETTE	/
2138	776	073366	.RAD50	/SANTA FE	/
2139	004	146444	.RAD50	/226TH	/
2140	012	146447	.RAD50	/229TH	/
2141	020	051254	.RAD50	/MIDDLEBRIK	/
2142	026	032512	.RAD50	/HUBER	/
2143	034	074001	.RAD50	/SHARYNNE	/
2144	042	006766	.RAD50	/BINDEWALD	/
2145	050	011372	.RAD50	/CAROL	/

2147	064	01:364	.RAD50	/CALLE MYR/
2148	072	146512	.RAD50	/234TH /
2149	100	146516	.RAD50	/238TH /
2150	106	017637	.RAD50	/ERONY /
2151	114	146626	.RAD50	/250TH /
2152	122	110466	.RAD50	/WINLOCK /
2153	130	054137	.RAD50	/NEWTON /
2154	136	046536	.RAD50	/LOFTYVIEW/
2155	144	012625	.RAD50	/CREST /
2156	152	074452	.RAD50	/SORREL /
2157	160	105351	.RAD50	/VIA MADON/
2158	166	146562	.RAD50	/244TH /
2159	174	004422	.RAD50	/ARBOLES /
2160	202	074221	.RAD50	/SKYPARK /
2161	210	146514	.RAD50	/236TH /
2162	216	012444	.RAD50	/COLLADO /
2163	224	051646	.RAD50	/MONTANA /
2164	232	074444	.RAD50	/SOLANO /
2165	240	025776	.RAD50	/GAVILAN /
2166	246	146631	.RAD50	/253RD /
2167	254	146631	.RAD50	/253RD /
2168	262	146633	.RAD50	/255TH /
2169	270	146560	.RAD50	/242ND /
2170	276	146561	.RAD50	/243RD /
2171	304	046549	.RAD50	/LOMITA PK/
2172	312	100132	.RAD50	/TURREL /
2173	320	146563	.RAD50	/245TH /
2174	326	146557	.RAD50	/241ST /
2175	334	023132	.RAD50	/FERNCREEK/
2176	342	075017	.RAD50	/SUGARHILL/
2177	350	146637	.RAD50	/259TH /
2178	356	020563	.RAD50	/ENCANTO /
2179	364	051604	.RAD50	/MNTICELLO/
2180	372	015552	.RAD50	/DORADO /
2181	400	063146	.RAD50	/PONY /
2182	406	062064	.RAD50	/PALIMINO /
2183	414	015532	.RAD50	/DOBBIN /
2184	422	007536	.RAD50	/BRND IRON/
2185	430	071331	.RAD50	/ROANWOOD /
2186	436	031026	.RAD50	/H VALLEY /
2187	444	017523	.RAD50	/E SADDLE /
2188	452	014724	.RAD50	/DELOS /
2189	460	031557	.RAD50	/HIGHCROSS/
2190	466	007713	.RAD50	/BUCKSKIN /
2191	474	074762	.RAD50	/STRAWBERRY/
2192	502	054111	.RAD50	/NEARCLIFF/
2193	510	070513	.RAD50	/RECARDO /
2194	516	062004	.RAD50	/P D ARENA/
2195	524	053676	.RAD50	/NAVAJO /
2196	532	004043	.RAD50	/ALCANA /
2197	540	012444	.RAD50	/COLORIN /
2198	546	031065	.RAD50	/HAMPSHIRE/
2199	554	062076	.RAD50	/PAVION /
2200	562	076466	.RAD50	/TANDEM /
2201	570	146703	.RAD50	/265TH /

2202	576	07:344	.RAD50	/ROLLING H/
2203	604	015552	.RAD50	/DORMAN /
2204	612	043066	.RAD50	/KINGSDALE/
2205	620	022664	.RAD50	/FALDA /
2206	626	143602	.RAD50	/164TH /
2207	634	006261	.RAD50	/CAILEY /
2208	642	07:353	.RAD50	/ROSLIN /
2209	650	070766	.RAD50	/RINDGE /
2210	656	05:041	.RAD50	/MEYER /
2211	664	020604	.RAD50	/ENTRADERO/
2212	672	004211	.RAD50	/ANYA /
2213	700	076464	.RAD50	/TALISMAN /
2214	706	105353	.RAD50	/VICTOR /
2215	714	017572	.RAD50	/EARL /
2216	722	03:326	.RAD50	/HENRIETTA/
2217	730	110001	.RAD50	/WAYNE /
2218	736	107772	.RAD50	/WARD /
2219	744	050554	.RAD50	/MADRONA /
2220	752	070514	.RAD50	/REDBEAM /
2221	760	075033	.RAD50	/SUSANA /
2222	766	050553	.RAD50	/MACAFEE /
2223	774	104566	.RAD50	/VANDRHILL/
2224	002	062026	.RAD50	/P VERDES /
2225	010	05:266	.RAD50	/MINDORA /
2226	016	045454	.RAD50	/LADEENE /
2227	024	057075	.RAD50	/OCEAN /
2228	032	027221	.RAD50	/GRANT /
2229	040	070541	.RAD50	/REYNOLDS /
2230	046	020455	.RAD50	/ELM /
2231	054	020454	.RAD50	/ELLINWOOD/
2232	062	046166	.RAD50	/LINDA /
2233	070	01:372	.RAD50	/CARLOW /
2234	076	040726	.RAD50	/JUNIPER /
2235	104	03:553	.RAD50	/HICKORY /
2236	112	02:031	.RAD50	/ERIEL /
2237	120	01:632	.RAD50	/CERISE /
2238	126	053672	.RAD50	/NARBONNE /
2239	134	062326	.RAD50	/PENNSYLVIA/
2240	142	013270	.RAD50	/CYPRESS /
2241	150	050554	.RAD50	/MADRID /
2242	156	012454	.RAD50	/COTA /
2243	164	107773	.RAD50	/WASHINGTON/
2244	172	105366	.RAD50	/VINE /
2245	200	003221	.RAD50	/ABALONE /
2246	206	01:352	.RAD50	/CABRILLO /
2247	214	004320	.RAD50	/APPIAN /
2248	222	02:100	.RAD50	/ESHELMAN /
2249	230	070517	.RAD50	/REGENT /
2250	236	004042	.RAD50	/ALBERTA /
2251	244	062555	.RAD50	/PIER /
2252	252	043377	.RAD50	/KNOB HILL/
2253	260	027225	.RAD50	/GREEN /
2254	266	03:072	.RAD50	/HARKNESS /
2255	274	023752	.RAD50	/FORD /
2256	302	074741	.RAD50	/STANFORD /

2257	310	063337	.RAD50	/PROSPECT	/
2258	316	050573	.RAD50	/MASSEY	/
2259	324	047113	.RAD50	/LUCIA	/
2260	332	003531	.RAD50	/AGATE	/
2261	340	170250	.RAD50	/8TH	/
2262	346	074505	.RAD50	/SPEYER	/
2263	354	050572	.RAD50	/MARSHALL	/
2264	362	027221	.RAD50	/GRANT	/
2265	370	005005	.RAD50	/AXENTY	/
2266	376	143514	.RAD50	/15TH	/
2267	404	143704	.RAD50	/18TH	/
2268	412	146353	.RAD50	/21ST	/
2269	420	146544	.RAD50	/24TH	/
2270	426	03.332	.RAD50	/HERMOSA	/
2271	434	03.072	.RAD50	/HARBOR	/
2272	442	02.110	.RAD50	/ESPLANADE	/
2273	450	062073	.RAD50	/PAS PLAYA	/
2274	456	05.272	.RAD50	/MIRAMAR	/
2275	464	105351	.RAD50	/VIA ANITA	/
2276	472	004676	.RAD50	/AVN JOSE	/
2277	500	027055	.RAD50	/GOULD	/
2278	506	143754	.RAD50	/19TH	/
2279	514	046545	.RAD50	/LOMA	/
2280	522	143564	.RAD50	/16TH	/
2281	530	03.076	.RAD50	/HAYEMEYER	/
2282	536	004171	.RAD50	/ANITA	/
2283	544	006532	.RAD50	/BERYL	/
2284	552	023541	.RAD50	/FLAGLER	/
2285	560	062053	.RAD50	/PACIFIC	/
2286	566	01.374	.RAD50	/CATALINA	/
2287	574	040711	.RAD50	/JUANITA	/
2288	602	025772	.RAD50	/GARNSEY	/
2289	610	027411	.RAD50	/GUADALUPE	/
2290	616	073370	.RAD50	/SAPPHIRE	/
2291	624	03.324	.RAD50	/HELBERTA	/
2292	632	073632	.RAD50	/SERPENTINE	/
2293	640	004665	.RAD50	/AVE C	/
2294	646	004665	.RAD50	/AVE F	/
2295	654	004665	.RAD50	/AVE I	/
2296	662	01.303	.RAD50	/C CAMPO	/
2297	670	026232	.RAD50	/GERTRUDA	/
2298	676	104622	.RAD50	/V RIVERA	/
2299	704	105373	.RAD50	/VISTA SOL	/
2300	712	105351	.RAD50	/VIA ANITA	/
2301	720	050507	.RAD50	/M GRANDE	/
2302	726	104620	.RAD50	/V PASCUAL	/
2303	734	104603	.RAD50	/V COLUSA	/
2304	742	01.373	.RAD50	/CASTELLAN	/
2305	750	050504	.RAD50	/M DORO	/
2306	756	104602	.RAD50	/V BONITA	/
2307	764	012072	.RAD50	/CIRCULA	/
2308	772	014724	.RAD50	/DELICIAS	/
2309	000	020445	.RAD50	/ELENA	/
2310	006	117165	.RAD50	/YNEZ	/
2311	014	01.365	.RAD50	/CAMINO	/

2312	022	105365	.RAD50	/VINCENT	/
2313	030	145064	.RAD50	/2ND	/
2314	036	150424	.RAD50	/3RD	/
2315	044	074757	.RAD50	/STOCKER	/
2316	052	071334	.RAD50	/RODEO	/
2317	060	012444	.RAD50	/COLISEUM	/
2318	066	051646	.RAD50	/MONTCLAIR	/
2319	074	073366	.RAD50	/SAN VINC	/
2320	102	074740	.RAD50	/ST CHARL	/
2321	110	143634	.RAD50	/17TH	/
2322	116	012455	.RAD50	/COUN CLUB	/
2323	124	105366	.RAD50	/VINEYARD	/
2324	132	070765	.RAD50	/RIMPAU	/
2325	140	110464	.RAD50	/WILTON	/
2326	146	071334	.RAD50	/RODEO LN	/
2327	154	145064	.RAD50	/2ND	/
2328	162	110233	.RAD50	/WESTCHEST	/
2329	170	153650	.RAD50	/4TH	/
2330	176	156750	.RAD50	/5TH	/
2331	204	162050	.RAD50	/6TH	/
2332	212	165150	.RAD50	/7TH	/
2333	220	075034	.RAD50	/SUTRO	/
2334	226	110233	.RAD50	/WESTSIDE	/
2335	234	173350	.RAD50	/9TH	/
2336	242	014717	.RAD50	/DEGNAN	/
2337	250	045721	.RAD50	/LEIMERT	/
2338	256	017747	.RAD50	/EDGEHILL	/
2339	264	105372	.RAD50	/VIRGINIA	/
2340	272	052221	.RAD50	/MUIRFIELD	/
2341	300	031564	.RAD50	/HILLCREST	/
2342	306	022672	.RAD50	/FARMDALE	/
2344	314	140002	.RAD50	/0.4W HFRD	/
2345	322	140000	.RAD50	/0.2W HFRD	/
2346	330	140001	.RAD50	/0.3E HFRD	/
2347	336	140003	.RAD50	/0.5E HFRD	/
2348	344	140005	.RAD50	/0.7E HFRD	/
2349	352	140007	.RAD50	/0.9E HFRD	/
2350	360	143100	.RAD50	/1.2E HFRD	/
2351	366	143102	.RAD50	/1.4E HFRD	/
2352	374	143105	.RAD50	/1.7E HFRD	/
2353	402	140003	.RAD50	/0.5E XMNO	/
2354	410	140003	.RAD50	/0.5E XMNO	/
2355	416	140001	.RAD50	/0.3E SNTA	/
2356	424	140000	.RAD50	/0.2E HFRD	/
2357	432	140002	.RAD50	/0.4E HFRD	/
2358	440	140005	.RAD50	/0.7E HFRD	/
2359	446	140000	.RAD50	/0.2E ALMD	/
2360	454	140003	.RAD50	/0.5E ALMD	/
2361	462	140005	.RAD50	/0.0E ALMD	/
2362	470	140000	.RAD50	/0.2E ALMD	/
2363	476	140002	.RAD50	/0.4E ALMD	/
2364	504	140004	.RAD50	/0.6E ALMD	/
2365	512	140005	.RAD50	/0.7W ALMD	/
2366	520	140003	.RAD50	/0.5W ALMD	/
2367	526	140000	.RAD50	/0.2W ALMD	/

2368	534	140000	.RAD50	/0.2W	WLMT/
2369	542	140001	.RAD50	/0.3E	WLMT/
2370	550	140004	.RAD50	/0.6E	WLMT/
2371	556	140005	.RAD50	/0.7S	SDGO/
2372	564	140003	.RAD50	/0.5S	SDGO/
2373	572	140000	.RAD50	/0.2S	SDGO/
2374	600	140000	.RAD50	/0.2S	ANHM/
2375	606	140003	.RAD50	/0.5S	ANHM/
2376	614	140006	.RAD50	/0.8S	ANHM/
2377	622	143077	.RAD50	/1.1S	ANHM/
2378	630	143102	.RAD50	/1.4S	ANHM/
2379	636	140000	.RAD50	/0.2S	SPVD/
2380	644	140003	.RAD50	/0.5S	SPVD/
2381	652	140006	.RAD50	/0.8S	SPVD/
2382	660	143076	.RAD50	/1.0S	SPVD/
2383	666	140000	.RAD50	/0.2S	SDGO/
2384	674	140003	.RAD50	/0.5S	SDGO/
2385	702	140005	.RAD50	/0.7S	SDGO/
2386	710	143076	.RAD50	/1.0S	SDGO/
2387	716	140000	.RAD50	/0.2W	RDND/
2388	724	140001	.RAD50	/0.3E	RDND/
2389	732	140001	.RAD50	/0.3E	RDND/
2390	740	140000	.RAD50	/0.2W	RDND/
2391	746	140000	.RAD50	/0.2W	RDND/
2392	754	140001	.RAD50	/0.3E	RDND/
2393	762	140000	.RAD50	/0.2W	LKWD/
2394	770	140000	.RAD50	/0.2S	CRSN/
2395	776	140001	.RAD50	/0.3S	CNMT/
2396	004	140000	.RAD50	/0.2S	EWWD/
2397	012	140000	.RAD50	/0.2E	OBSP/
2398	020	140001	.RAD50	/0.3S	DLMO/
2399	026	140000	.RAD50	/0.2S	GRNT/
2400	034	140001	.RAD50	/0.3S	DLMO/
2401	042	140000	.RAD50	/0.2S	MRKT/
2402	050	140000	.RAD50	/0.2N	VICT/
2403	056	140000	.RAD50	/0.2S	VICT/
2404	064	140003	.RAD50	/0.5S	VICT/
2405	072	140005	.RAD50	/0.7S	VICT/
2406	100	140007	.RAD50	/0.9S	VICT/
2407	106	143077	.RAD50	/1.1S	VICT/
2408	114	140001	.RAD50	/0.3S	DLMO/
2409	122	140000	.RAD50	/0.2S	DLMO/
2410	130	137777	.RAD50	/0.1S	DMGZ/
2411	136	140002	.RAD50	/0.4S	DMGZ/
2412	144	140000	.RAD50	/0.2S	CRSN/
2413	152	140003	.RAD50	/0.5W	WLMT/
2414	160	140000	.RAD50	/0.2W	WLMT/
2415	166	140001	.RAD50	/0.3E	WLMT/
2416	174	140004	.RAD50	/0.6E	WLMT/
2417	202	140000	.RAD50	/0.2E	SNTF/
2418	210	140000	.RAD50	/0.2N	DLMO/
2419	216	140003	.RAD50	/0.5N	DLMO/
2420	224	140004	.RAD50	/0.6N	DLMO/
2421	232	143076	.RAD50	/1.0N	DLMO/
2422	240	143100	.RAD50	/1.2N	DLMO/

2423	246	143103	.RAD50	/1.5N	DLMO/
2424	254	143105	.RAD50	/1.7N	DLMO/
2425	262	140001	.RAD50	/0.3S	DLMO/
2426	270	140000	.RAD50	/0.2W	WLMT/
2427	276	140001	.RAD50	/0.3E	WLMT/
2428	304	140003	.RAD50	/0.5E	WLMT/
2429	312	140000	.RAD50	/0.2N	CRSN/
2430	320	140001	.RAD50	/0.3N	DMGZ/
2431	326	140000	.RAD50	/0.2N	DMGZ/
2432	334	140001	.RAD50	/0.3E	ALMD/
2433	342	140003	.RAD50	/0.5N	DMGZ/
2434	350	140000	.RAD50	/0.2N	DLMO/
2435	356	140003	.RAD50	/0.5N	DLMO/
2436	364	140005	.RAD50	/0.7N	DLMO/
2437	372	143076	.RAD50	/1.0N	DLMO/
2438	400	140000	.RAD50	/0.2W	LGBH/
2439	406	140003	.RAD50	/0.5W	LGBH/
2440	414	140000	.RAD50	/0.2S	ARTS/
2441	422	140003	.RAD50	/0.5W	WLMT/
2442	430	140000	.RAD50	/0.2W	WLMT/
2443	436	140001	.RAD50	/0.3E	WLMT/
2444	444	140003	.RAD50	/0.5E	WLMT/
2445	452	140004	.RAD50	/0.6W	WLMT/
2446	460	140001	.RAD50	/0.3W	WLMT/
2447	466	140001	.RAD50	/0.3E	WLMT/
2448	474	140003	.RAD50	/0.5E	WLMT/
2449	502	140001	.RAD50	/0.3E	CHRY/
2450	510	140001	.RAD50	/0.3E	CHRY/
2451	516	140000	.RAD50	/0.2N	MTVW/
2452	524	140000	.RAD50	/0.2W	LGBH/
2453	532	140000	.RAD50	/0.2E	LGBH/
2454	540	140004	.RAD50	/0.6E	LGBH/
2455	546	140000	.RAD50	/0.2E	SPVD/
2456	554	140006	.RAD50	/0.8S	ELSG/
2457	562	140003	.RAD50	/0.5S	ELSG/
2458	570	140001	.RAD50	/0.3S	ELSG/
2459	576	140000	.RAD50	/0.2S	ELSG/
2460	604	140001	.RAD50	/0.3N	ELSG/
2461	612	140001	.RAD50	/0.3N	MIRPS/
2462	620	140001	.RAD50	/0.3S	GRND/
2463	626	140001	.RAD50	/0.3N	45TH/
2464	634	140000	.RAD50	/0.2N	GRND/
2465	642	140002	.RAD50	/0.4N	GRND/
2466	650	140004	.RAD50	/0.6N	GRND/
2467	656	140007	.RAD50	/0.9N	GRND/
2468	664	140001	.RAD50	/0.3E	VDMR/
2469	672	140000	.RAD50	/0.2E	SHLD/
2470	700	140003	.RAD50	/0.5E	SHLD/
2471	706	140001	.RAD50	/0.3N	WWAY/
2472	714	140004	.RAD50	/0.6S	WWAY/
2473	722	140002	.RAD50	/0.4S	WWAY/
2474	730	137777	.RAD50	/0.1S	WWAY/
2475	736	140001	.RAD50	/0.3E	PERS/
2476	744	140003	.RAD50	/0.5E	PERS/
2477	752	140006	.RAD50	/0.8E	PERS/

2533 472 140001	.RAD50 /0.3E PNRR/
2534 500 140001	.RAD50 /0.3S ORDY/
2535 506 140003	.RAD50 /0.5S ORDY/
2536 514 140002	.RAD50 /0.4W IMPR/
2537 522 140001	.RAD50 /0.3S ALND/
2538 530 140001	.RAD50 /0.3S ALND/
2539 536 140000	.RAD50 /0.2W GRDL/
2540 544 140000	.RAD50 /0.2S ALND/
2541 552 140003	.RAD50 /0.5S ALND/
2542 560 140001	.RAD50 /0.3W SGRF/
2543 566 140001	.RAD50 /0.3N ALND/
2544 574 140001	.RAD50 /0.3E BLFD/
2545 602 140001	.RAD50 /0.3E NRWK/
2546 610 140001	.RAD50 /0.3E BLFD/
2547 616 140001	.RAD50 /0.3E CRMT/
2548 624 140001	.RAD50 /0.3E CRMT/
2549 632 140000	.RAD50 /0.2E CRMT/
2550 640 140001	.RAD50 /0.3E NRWK/
2551 646 140000	.RAD50 /0.2E CRMT/
2552 654 140000	.RAD50 /0.2E STGE/
2553 662 140001	.RAD50 /0.3S RSCR/
2554 670 140000	.RAD50 /0.2S ALND/
2555 676 140001	.RAD50 /0.3S VLVW/
2556 704 140000	.RAD50 /0.2S PHBE/
2557 712 140000	.RAD50 /0.2S ALND/
2558 720 140001	.RAD50 /0.3N ESCL/
2559 726 140000	.RAD50 /0.2E KNOT/
2560 734 140005	.RAD50 /0.7S LKLN/
2561 742 140002	.RAD50 /0.4S LKLN/
2562 750 140000	.RAD50 /0.2S LKLN/
2563 756 140000	.RAD50 /0.2S TLGH/
2564 764 140003	.RAD50 /0.5S TLGH/
2565 772 140001	.RAD50 /0.3S TLCR/
2566 000 140003	.RAD50 /0.5S TLCR/
2567 006 140002	.RAD50 /0.4N LKLN/
2568 014 140001	.RAD50 /0.3N FSTR/
2569 022 140001	.RAD50 /0.3N RSCR/
2570 030 140001	.RAD50 /0.3N RSCR/
2571 036 140000	.RAD50 /0.2N ALCT/
2572 044 140001	.RAD50 /0.3N 165 /
2573 052 140003	.RAD50 /0.5N SNTA/
2574 060 140006	.RAD50 /0.6S ALND/
2575 066 140001	.RAD50 /0.3N RSCR/
2576 074 140000	.RAD50 /0.2N ALND/
2577 102 140000	.RAD50 /0.2S ORBR/
2578 110 140003	.RAD50 /0.5W CRSH/
2579 116 140001	.RAD50 /0.3W CRSH/
2580 124 140000	.RAD50 /0.2W CRSH/
2581 132 140000	.RAD50 /0.2W YUKN/
2582 140 140000	.RAD50 /0.2W WSTR/
2583 146 140000	.RAD50 /0.2W MAIN/
2584 154 140002	.RAD50 /0.4W MAIN/
2585 162 140000	.RAD50 /0.2E AVLN/
2586 170 140001	.RAD50 /0.3N CMPT/
2587 176 140001	.RAD50 /0.3E MAIN/

2476	760	140001	.RAD50	/0.3N IMPR/
2479	766	140004	.RAD50	/0.6N IMPR/
2480	774	140001	.RAD50	/0.3N 111T/
2481	002	140005	.RAD50	/0.7W EMRS/
2482	010	140001	.RAD50	/0.3N 74TH/
2483	016	140001	.RAD50	/0.3E SPVD/
2484	024	140003	.RAD50	/0.5E SPVD/
2485	032	140007	.RAD50	/0.9E SPVD/
2486	040	140000	.RAD50	/0.2E DAL/
2487	046	140001	.RAD50	/0.3N ORTm
2488	054	140003	.RAD50	/0.5E BEAC/
2489	062	140000	.RAD50	/0.2W 1ST /
2490	070	140000	.RAD50	/0.2E 1ST /
2491	076	140002	.RAD50	/0.4E 1ST /
2492	104	140006	.RAD50	/0.8N RSCR/
2493	112	140003	.RAD50	/0.5N RSCR/
2494	120	140000	.RAD50	/0.2N RSCR/
2495	126	140003	.RAD50	/0.5N MLVN/
2496	134	140001	.RAD50	/0.3N MLVN/
2497	142	140000	.RAD50	/0.2N ALCN/
2498	150	140001	.RAD50	/0.3S SMLD/
2499	156	140003	.RAD50	/0.5S SMLD/
2500	164	140001	.RAD50	/0.3N DDSN/
2501	172	137777	.RAD50	/0.1N DDSN/
2502	200	140000	.RAD50	/0.2S DDSN/
2503	206	140001	.RAD50	/0.3S 25TH/
2504	214	140000	.RAD50	/0.2N PICO/
2505	222	140000	.RAD50	/0.2W CRSH/
2506	230	140001	.RAD50	/0.3S SBAR/
2507	236	140000	.RAD50	/0.2E UNON/
2508	244	140000	.RAD50	/0.2W SLVL/
2509	252	140000	.RAD50	/0.2E BNTW/
2510	260	140000	.RAD50	/0.2E WDRF/
2511	266	140000	.RAD50	/0.2N IMPR/
2512	274	140001	.RAD50	/0.3W SGRF/
2513	302	140000	.RAD50	/0.2S FLRN/
2514	310	140000	.RAD50	/0.2E HSTY/
2515	316	140003	.RAD50	/0.5E HSTY/
2516	324	140001	.RAD50	/0.3E PSSN/
2517	332	140000	.RAD50	/0.2N SLSN/
2518	340	140002	.RAD50	/0.4N SLSN/
2519	346	140000	.RAD50	/0.2N REX /
2520	354	140003	.RAD50	/0.5S MNES/
2521	362	140000	.RAD50	/0.2S MNES/
2522	370	140001	.RAD50	/0.3W RSMD/
2523	376	140001	.RAD50	/0.3N TLGH/
2524	404	140003	.RAD50	/0.5N TLGH/
2525	412	140005	.RAD50	/0.7N TLGH/
2526	420	140000	.RAD50	/0.2N SLSN/
2527	426	140001	.RAD50	/0.3N WHTR/
2528	434	140000	.RAD50	/0.2W SGRF/
2529	442	140000	.RAD50	/0.2S SRGS/
2530	450	140003	.RAD50	/0.5S SRGS/
2531	456	140001	.RAD50	/0.3N TLGH/
2532	464	140000	.RAD50	/0.2E ARLE/

2568	204	140000	.RAD50	/0.2N	ALND/
2589	212	140000	.RAD50	/0.2S	CMPT/
2590	220	140002	.RAD50	/0.4S	CMPT/
2591	226	140000	.RAD50	/0.2S	135 /
2592	234	140001	.RAD50	/0.3N	RSCR/
2593	242	140000	.RAD50	/0.2N	135 /
2594	250	140000	.RAD50	/0.2E	WSTR/
2595	256	140000	.RAD50	/0.2E	WSTR/
2596	264	140000	.RAD50	/0.2W	WSTR/
2597	272	140000	.RAD50	/0.2W	WSTR/
2598	300	140001	.RAD50	/0.3E	CRSH/
2599	306	140000	.RAD50	/0.2N	RSCR/
2600	314	140001	.RAD50	/0.3N	135 /
2601	322	140000	.RAD50	/0.2N	ELSG/
2602	330	140001	.RAD50	/0.3S	IMPR/
2603	336	140000	.RAD50	/0.2N	IMPR/
2604	344	140003	.RAD50	/0.5N	IMPR/
2605	352	140001	.RAD50	/0.3S	CENT/
2606	360	140001	.RAD50	/0.3E	CRSH/
2607	366	140001	.RAD50	/0.3E	CRSH/
2608	374	140000	.RAD50	/0.2S	120 /
2609	402	140000	.RAD50	/0.2S	IMPR/
2610	410	140000	.RAD50	/0.2S	IMPR/
2611	416	140000	.RAD50	/0.2S	IMPR/
2612	424	140000	.RAD50	/0.2S	IMPR/
2613	432	140001	.RAD50	/0.3E	LMRD/
2614	440	140001	.RAD50	/0.3N	CENT/
2615	446	140000	.RAD50	/0.2W	CRSH/
2616	454	140000	.RAD50	/0.2N	110 /
2617	462	140001	.RAD50	/0.3N	IMPR/
2618	470	140000	.RAD50	/0.2E	PRAR/
2619	476	140003	.RAD50	/0.5E	PRAR/
2620	504	140006	.RAD50	/0.6E	PRAR/
2621	512	140000	.RAD50	/0.2E	PRAR/
2622	520	140003	.RAD50	/0.5E	PRAR/
2623	526	140006	.RAD50	/0.6E	PRAR/
2624	534	137777	.RAD50	/0.1S	BOTH/
2625	542	140001	.RAD50	/0.3S	MINCH/
2626	550	140001	.RAD50	/0.3S	MINCH/
2627	556	140000	.RAD50	/0.2N	FLRN/
2628	564	140000	.RAD50	/0.2E	AVLN/
2629	572	140001	.RAD50	/0.3N	WMNS/
2630	600	140001	.RAD50	/0.3W	APWY/
2631	606	140000	.RAD50	/0.2N	STDB/
2632	614	140001	.RAD50	/0.3S	STDB/
2633	622	140003	.RAD50	/0.5S	STDB/
2634	630	140002	.RAD50	/0.4S	SOTH/
2635	636	140005	.RAD50	/0.7S	SOTH/
2636	644	140006	.RAD50	/0.8N	CRSN/
2637	652	140003	.RAD50	/0.5N	CRSN/
2638	660	140000	.RAD50	/0.2N	CRSN/
2639	666	140000	.RAD50	/0.2S	CRSN/
2640	674	140003	.RAD50	/0.5S	CRSN/
2641	702	140000	.RAD50	/0.2N	WRDL/
2642	710	140000	.RAD50	/0.2N	SPRG/

2643 716 140001	.RAD50 /0.3S SPRG/
2644 724 140000	.RAD50 /0.2S WLLW/
2645 732 140000	.RAD50 /0.2E PLVD/
2646 740 140001	.RAD50 /0.3E PLVD/
2647 746 140000	.RAD50 /0.2N SOTH/
2648 754 140001	.RAD50 /0.3S SOTH/
2649 762 140004	.RAD50 /0.6S SOTH/
2650 770 140004	.RAD50 /0.6S CRSN/
2651 776 140001	.RAD50 /0.3S DIAG/
2652 004 140001	.RAD50 /0.3S CRSN/
2653 012 140000	.RAD50 /0.2E STVL/
2654 020 140000	.RAD50 /0.2W SGRF/
2655 026 140000	.RAD50 /0.2E STVL/
2656 034 140000	.RAD50 /0.2W SGRF/
2657 042 140001	.RAD50 /0.3W SGRF/
2658 050 140006	.RAD50 /0.8W SGRF/
2659 056 140000	.RAD50 /0.2E STDB/
2660 064 140001	.RAD50 /0.3E GCNA/
2661 072 140001	.RAD50 /0.3S STRN/
2662 100 140001	.RAD50 /0.3S STRN/
2663 106 140000	.RAD50 /0.2W PLVD/
2664 114 140000	.RAD50 /0.2S ATHT/
2665 122 140000	.RAD50 /0.2N 7TH /
2666 130 140000	.RAD50 /0.2N 7TH /
2667 136 140001	.RAD50 /0.3S 7TH /
2668 144 140004	.RAD50 /0.6S 7TH /
2669 152 140006	.RAD50 /0.8S 7TH /
2670 160 140001	.RAD50 /0.3E STDB/
2671 166 137777	.RAD50 /0.1E STDB/
2672 174 140000	.RAD50 /0.2E PFCT/
2673 202 140000	.RAD50 /0.2S WSMN/
2674 210 140001	.RAD50 /0.3S WSMN/
2675 216 140005	.RAD50 /0.7S CLRD/
2676 224 140002	.RAD50 /0.4S CLRD/
2677 232 140000	.RAD50 /0.2S CLRD/
2678 240 140000	.RAD50 /0.2S ARTS/
2679 246 140001	.RAD50 /0.3W ORTH/
2680 254 140004	.RAD50 /0.6W KNOT/
2681 262 140000	.RAD50 /0.2W VLVW/
2682 270 140001	.RAD50 /0.3W VLVW/
2683 276 140001	.RAD50 /0.3N 183 /
2684 304 140001	.RAD50 /0.3N 183 /
2685 312 140000	.RAD50 /0.2W KNOT/
2686 320 140001	.RAD50 /0.3S ARTS/
2687 326 140000	.RAD50 /0.2S ARTS/
2688 334 140001	.RAD50 /0.3S ARTS/
2689 342 140001	.RAD50 /0.3W KNOT/
2690 350 140000	.RAD50 /0.2W LEXT/
2691 356 140005	.RAD50 /0.7W LEXT/
2692 364 140001	.RAD50 /0.3E SGRP/
2693 372 140000	.RAD50 /0.2S BVLY/
2694 400 140000	.RAD50 /0.2E POPL/
2695 406 140003	.RAD50 /0.5E POPL/
2696 414 140001	.RAD50 /0.3E MAPL/
2697 422 140002	.RAD50 /0.4E MAPL/

2690	430	140002	.RAD50	/0.4N	GLLT/
2699	436	140005	.RAD50	/0.7N	GLLT/
2700	444	143076	.RAD50	/1.0N	GLLT/
2701	452	140004	.RAD50	/0.6S	PMNA/
2702	460	140002	.RAD50	/0.4S	PMNA/
2703	466	140000	.RAD50	/0.2S	PMNA/
2704	474	140001	.RAD50	/0.3W	SNCZ/
2705	502	140001	.RAD50	/0.3N	AVMR/
2706	510	140004	.RAD50	/0.6N	AVMR/
2707	516	143076	.RAD50	/1.0N	AVMR/
2708	524	140001	.RAD50	/0.3E	PTGR/
2709	532	140003	.RAD50	/0.5E	PTGR/
2710	540	140005	.RAD50	/0.7E	PTGR/
2711	546	143076	.RAD50	/1.0E	PTGR/
2712	554	140002	.RAD50	/0.4W	SGBB/
2713	562	140000	.RAD50	/0.2W	SGBB/
2714	570	140001	.RAD50	/0.3E	SGBB/
2715	576	140004	.RAD50	/0.6E	SGBB/
2716	604	140006	.RAD50	/0.8E	SGBB/
2717	612	140003	.RAD50	/0.5W	RSMD/
2718	620	140000	.RAD50	/0.2W	RSMD/
2719	626	140001	.RAD50	/0.3N	PMNA/
2720	634	140003	.RAD50	/0.5N	PMNA/
2721	642	140006	.RAD50	/0.6N	PMNA/
2722	650	143076	.RAD50	/1.0N	PMNA/
2723	656	143101	.RAD50	/1.3N	PMNA/
2724	664	143102	.RAD50	/1.4N	PMNA/
2725	672	143104	.RAD50	/1.6N	PMNA/
2726	700	143107	.RAD50	/1.9N	PMNA/
2727	706	140007	.RAD50	/0.9N	PMNA/
2728	714	140004	.RAD50	/0.6N	PMNA/
2729	722	140001	.RAD50	/0.3N	PMNA/
2730	730	140000	.RAD50	/0.2N	RUSH/
2731	736	140003	.RAD50	/0.5S	RUSH/
2732	744	140001	.RAD50	/0.3E	SGBB/
2733	752	140001	.RAD50	/0.3S	GRVY/
2734	760	140001	.RAD50	/0.3S	GRVY/
2735	766	140001	.RAD50	/0.3S	GRVY/
2736	774	140001	.RAD50	/0.3E	ALHB/
2737	002	140001	.RAD50	/0.3E	ALHB/
2738	010	140001	.RAD50	/0.3E	ALHB/
2739	016	140000	.RAD50	/0.2W	SGBB/
2740	024	140000	.RAD50	/0.2W	SGBB/
2741	032	140000	.RAD50	/0.2W	SGBB/
2742	040	140000	.RAD50	/0.2W	JKSN/
2743	046	140000	.RAD50	/0.2W	JKSN/
2744	054	140000	.RAD50	/0.2W	JKSN/
2745	062	140000	.RAD50	/0.2W	WLGR/
2746	070	140001	.RAD50	/0.3N	GRVY/
2747	076	140001	.RAD50	/0.3N	GRVY/
2748	104	140000	.RAD50	/0.2E	RSMD/
2749	112	140001	.RAD50	/0.3E	STRG/
2750	120	140001	.RAD50	/0.3N	RUSH/
2751	126	140001	.RAD50	/0.3N	LERM/
2752	134	140001	.RAD50	/0.3E	RSMD/

2753	142	140005	.RAD50	/0.7E	RSMD/
2754	150	140000	.RAD50	/0.2W	PECK/
2755	156	140001	.RAD50	/0.3W	HOYT/
2756	164	140000	.RAD50	/0.2N	PMNA/
2757	172	140002	.RAD50	/0.4N	PMNA/
2758	200	140004	.RAD50	/0.6N	PMNA/
2759	206	143101	.RAD50	/1.3S	PMNA/
2760	214	143077	.RAD50	/1.1S	PMNA/
2761	222	140006	.RAD50	/0.8S	PMNA/
2762	230	140004	.RAD50	/0.6S	PMNA/
2763	236	140002	.RAD50	/0.4S	PMNA/
2764	244	140000	.RAD50	/0.2E	DRFE/
2765	252	140003	.RAD50	/0.5E	DRFE/
2766	260	140001	.RAD50	/0.3E	WDFD/
2767	266	140000	.RAD50	/0.2E	WDFD/
2768	274	140000	.RAD50	/0.2N	BVLY/
2769	302	140000	.RAD50	/0.2N	BVLY/
2770	310	140002	.RAD50	/0.4N	BVLY/
2771	316	140004	.RAD50	/0.6N	BVLY/
2772	324	140001	.RAD50	/0.3N	BCRT/
2773	332	143076	.RAD50	/1.0S	PECK/
2774	340	140006	.RAD50	/0.8S	PECK/
2775	346	140002	.RAD50	/0.4S	PECK/
2776	354	140000	.RAD50	/0.2S	PECK/
2777	362	140001	.RAD50	/0.3N	SGRF/
2778	370	140000	.RAD50	/0.2E	DRFE/
2779	376	140002	.RAD50	/0.4E	DRFE/
2780	404	140007	.RAD50	/0.9N	BVLY/
2781	412	140000	.RAD50	/0.2S	FNWJ/
2782	420	140000	.RAD50	/0.2N	PNRR/
2783	426	140003	.RAD50	/0.5N	PNRR/
2784	434	140005	.RAD50	/0.7N	PNRR/
2785	442	143076	.RAD50	/1.0N	PNRR/
2786	450	140001	.RAD50	/0.3N	PECK/
2787	456	140003	.RAD50	/0.5N	PECK/
2788	464	140006	.RAD50	/0.8N	PECK/
2789	472	140003	.RAD50	/0.5S	PMNA/
2790	500	140000	.RAD50	/0.2S	PMNA/
2791	506	140006	.RAD50	/0.8S	KLGM/
2792	514	140004	.RAD50	/0.6S	KLGM/
2793	522	140001	.RAD50	/0.3S	KLGM/
2794	530	140000	.RAD50	/0.2S	KLGM/
2795	536	140000	.RAD50	/0.2E	SGRF/
2796	544	140000	.RAD50	/0.2N	PMNA/
2797	552	140003	.RAD50	/0.5N	PMNA/
2798	560	140006	.RAD50	/0.8N	PMNA/
2799	566	143076	.RAD50	/1.0N	PMNA/
2800	574	140000	.RAD50	/0.2E	WKMM/
2801	602	140002	.RAD50	/0.4E	WKMM/
2802	610	140005	.RAD50	/0.7E	WKMM/
2803	616	143076	.RAD50	/1.0E	WKMM/
2804	624	140000	.RAD50	/0.2N	PMNA/
2805	632	140004	.RAD50	/0.6N	PMNA/
2806	640	140007	.RAD50	/0.9N	PMNA/
2807	646	140000	.RAD50	/1.2N	PMNA/

2800	654	140003	.RAD50	/0.5S	VLLY/
2809	662	140000	.RAD50	/0.2S	VLLY/
2810	670	137777	.RAD50	/0.1N	VLLY/
2811	676	140001	.RAD50	/0.3N	VLLY/
2812	704	140001	.RAD50	/0.3W	SGRF/
2813	712	140000	.RAD50	/0.2E	DRFE/
2814	720	140006	.RAD50	/0.0E	VLLY/
2815	726	140003	.RAD50	/0.5E	VLLY/
2816	734	140000	.RAD50	/0.2E	VLLY/
2817	742	140000	.RAD50	/0.2E	VLLY/
2818	750	140000	.RAD50	/0.2W	WLMT/
2819	756	140000	.RAD50	/0.2W	WLMT/
2820	764	140000	.RAD50	/0.2E	WLMT/
2821	772	140000	.RAD50	/0.2E	WLMT/
2822	000	140002	.RAD50	/0.4E	WLMT/
2823	006	140002	.RAD50	/0.4E	WLMT/
2824	014	140000	.RAD50	/0.2S	GRLF/
2825	022	140000	.RAD50	/0.2S	GRLF/
2826	030	140000	.RAD50	/0.2S	GRLF/
2827	036	140000	.RAD50	/0.2E	CNTL/
2828	044	140000	.RAD50	/0.2W	WLMT/
2829	052	140000	.RAD50	/0.2W	WLMT/
2830	060	140000	.RAD50	/0.2W	PRMT/
2831	066	140000	.RAD50	/0.2W	CHRY/
2832	074	140000	.RAD50	/0.2W	CHRY/
2833	102	140000	.RAD50	/0.2W	CHRY/
2834	110	140003	.RAD50	/0.5W	ORNG/
2835	116	140001	.RAD50	/0.3W	ORNG/
2836	124	137777	.RAD50	/0.1S	GRLF/
2837	132	140001	.RAD50	/0.3S	GRLF/
2838	140	140000	.RAD50	/0.2S	CMPT/
2839	146	140000	.RAD50	/0.2S	RSCR/
2840	154	140000	.RAD50	/0.2E	LKWD/
2841	162	140001	.RAD50	/0.3S	RSCR/
2842	170	140000	.RAD50	/0.2N	RSCR/
2843	176	140000	.RAD50	/0.2N	RSCR/
2844	204	140000	.RAD50	/0.2N	GRDD/
2845	212	140000	.RAD50	/0.2E	ALMD/
2846	220	140000	.RAD50	/0.2W	LG0B/
2847	226	140000	.RAD50	/0.2E	BLLS/
2848	234	140001	.RAD50	/0.3E	BLLS/
2849	242	140000	.RAD50	/0.2W	ATLT/
2850	250	140001	.RAD50	/0.3E	LG0H/
2851	256	143104	.RAD50	/1.6S	IMPR/
2852	264	143102	.RAD50	/1.4S	IMPR/
2853	272	143077	.RAD50	/1.1S	IMPR/
2854	300	140006	.RAD50	/0.8S	IMPR/
2855	306	140003	.RAD50	/0.5S	IMPR/
2856	314	140000	.RAD50	/0.2S	IMPR/
2857	322	140000	.RAD50	/0.2N	WLMT/
2858	330	140000	.RAD50	/0.2S	103 /
2859	336	140000	.RAD50	/0.2S	108 /
2860	344	140000	.RAD50	/0.2E	ATLT/
2861	352	140002	.RAD50	/0.4E	ATLT/
2862	360	140000	.RAD50	/0.2S	FRST/

2918	100	140002	.RAD50	/0.4E GRFD/
2919	106	140006	.RAD50	/0.0E GRFD/
2920	114	140000	.RAD50	/0.2E EMIL/
2921	122	140002	.RAD50	/0.4N F5BR/
2922	130	137777	.RAD50	/0.1N F5BR/
2923	136	140001	.RAD50	/0.3N SUVA/
2924	144	140006	.RAD50	/0.0S GRFD/
2925	152	140002	.RAD50	/0.4S GRFD/
2926	160	140000	.RAD50	/0.2S GRFD/
2927	166	140000	.RAD50	/0.2N SNTA/
2928	174	140003	.RAD50	/0.5N SNTA/
2929	202	140006	.RAD50	/0.0N SNTA/
2930	210	140001	.RAD50	/0.3N SNTA/
2931	216	140000	.RAD50	/0.2S USHT/
2932	224	140000	.RAD50	/0.2N GRFD/
2933	232	140000	.RAD50	/0.2S 190 /
2934	240	140003	.RAD50	/0.5S 190 /
2935	246	140000	.RAD50	/0.2W WSTR/
2936	254	140001	.RAD50	/0.3W PRAR/
2937	262	140001	.RAD50	/0.3S 190 /
2938	270	140001	.RAD50	/0.3E YUKN/
2939	276	140000	.RAD50	/0.2E MAPL/
2940	304	140000	.RAD50	/0.2N MRCP/
2941	312	140000	.RAD50	/0.2E CRSH/
2942	320	140000	.RAD50	/0.2W VNSS/
2943	326	140001	.RAD50	/0.3W CRSH/
2944	334	140001	.RAD50	/0.3E WSTR/
2945	342	140000	.RAD50	/0.2N FRNS/
2946	350	140000	.RAD50	/0.2E NRMD/
2947	356	140001	.RAD50	/0.3S ARTS/
2948	364	140000	.RAD50	/0.2N 190 /
2949	372	140000	.RAD50	/0.2E AVLN/
2950	400	140002	.RAD50	/0.4E AVLN/
2951	406	140004	.RAD50	/0.6E AVLN/
2952	414	140000	.RAD50	/0.2S VICT/
2953	422	140001	.RAD50	/0.3S SDGO/
2954	430	140003	.RAD50	/0.5S SDGO/
2955	436	137777	.RAD50	/0.1S 190 /
2956	444	140001	.RAD50	/0.3S 190 /
2957	452	140004	.RAD50	/0.6S 190 /
2958	460	140006	.RAD50	/0.0S 190 /
2959	466	143076	.RAD50	/1.0S 190 /
2960	474	143077	.RAD50	/1.1S MAIN/
2961	502	140006	.RAD50	/0.0S MAIN/
2962	510	140003	.RAD50	/0.5S MAIN/
2963	516	140000	.RAD50	/0.2S MAIN/
2964	524	140000	.RAD50	/0.2N TRRN/
2965	532	140002	.RAD50	/0.4N TRRN/
2966	540	140000	.RAD50	/0.2S TRRN/
2967	546	140001	.RAD50	/0.3S TRRN/
2968	554	140003	.RAD50	/0.5S TRRN/
2969	562	140000	.RAD50	/0.2S CRSN/
2970	570	140000	.RAD50	/0.2W VRMT/
2971	576	140000	.RAD50	/0.2S 220 /
2972	604	140000	.RAD50	/0.2N 213 /

2863	366	140002	.RAD50	/0.4S	FRST/
2864	374	140004	.RAD50	/0.6S	FRST/
2865	402	140004	.RAD50	/0.6N	IMPR/
2866	410	140001	.RAD50	/0.3N	IMPR/
2867	416	140000	.RAD50	/0.2N	IMPR/
2868	424	140003	.RAD50	/0.5S	STSG/
2869	432	140000	.RAD50	/0.2S	STSG/
2870	440	140001	.RAD50	/0.3E	GRFD/
2871	446	140003	.RAD50	/0.5E	GRFD/
2872	454	140001	.RAD50	/0.3S	FRST/
2873	462	140001	.RAD50	/0.3S	FRST/
2874	470	140002	.RAD50	/0.4W	ORSR/
2875	476	140000	.RAD50	/0.2W	ORSR/
2876	504	140000	.RAD50	/0.2N	NDEV/
2877	512	140001	.RAD50	/0.3E	CALF/
2878	520	140001	.RAD50	/0.3E	OTIS/
2879	526	140001	.RAD50	/0.3E	OTIS/
2880	534	140000	.RAD50	/0.2W	WLCK/
2881	542	140000	.RAD50	/0.2W	WLCK/
2882	550	140003	.RAD50	/0.5N	FRST/
2883	556	140000	.RAD50	/0.2N	FRST/
2884	564	140000	.RAD50	/0.2S	STNS/
2885	572	140002	.RAD50	/0.4N	FRST/
2886	600	137777	.RAD50	/0.1N	FRST/
2887	606	140000	.RAD50	/0.2W	EMIL/
2888	614	140000	.RAD50	/0.2W	STFE/
2889	622	140000	.RAD50	/0.2W	STFE/
2890	630	140000	.RAD50	/0.2W	STFE/
2891	636	140000	.RAD50	/0.2W	STFE/
2892	644	140000	.RAD50	/0.2W	BOYL/
2893	652	140000	.RAD50	/0.2S	FRTL/
2894	660	140000	.RAD50	/0.2S	FRTL/
2895	666	140000	.RAD50	/0.2E	GFRD/
2896	674	140002	.RAD50	/0.4S	LGBH/
2897	702	140001	.RAD50	/0.3S	LGBH/
2898	710	140001	.RAD50	/0.3S	ATLT/
2899	716	140004	.RAD50	/0.6S	ATLT/
2900	724	140002	.RAD50	/0.4W	LGBH/
2901	732	140000	.RAD50	/0.2W	LGBH/
2902	740	140000	.RAD50	/0.2E	LGBH/
2903	746	140001	.RAD50	/0.3S	SLSN/
2904	754	140000	.RAD50	/0.2S	SLSN/
2905	762	140000	.RAD50	/0.2N	SLSN/
2906	770	140004	.RAD50	/0.6N	SLSN/
2907	776	140007	.RAD50	/0.9N	SLSN/
2908	004	140001	.RAD50	/0.3E	EAST/
2909	012	140004	.RAD50	/0.6E	EAST/
2910	020	140000	.RAD50	/0.2E	EAST/
2911	026	140000	.RAD50	/0.2E	EAST/
2912	034	140003	.RAD50	/0.5E	EAST/
2913	042	140003	.RAD50	/0.5E	EAST/
2914	050	140006	.RAD50	/0.6E	EAST/
2915	056	140006	.RAD50	/0.8E	EAST/
2916	064	140000	.RAD50	/0.2W	GRFD/
2917	072	140000	.RAD50	/0.2E	GRFD/

2973	612	140003	.RAD50	/0.5N 213 /
2974	620	140000	.RAD50	/0.2N SPVD/
2975	626	140001	.RAD50	/0.3W MAIN/
2976	631	140001	.RAD50	/0.3W NRMD/
2977	642	140000	.RAD50	/0.2W CRSH/
2978	650	140002	.RAD50	/0.4W CRSH/
2979	656	140000	.RAD50	/0.2N SPVD/
2980	664	140001	.RAD50	/0.3S SPVD/
2981	672	140000	.RAD50	/0.2W CRSH/
2982	700	140002	.RAD50	/0.4W CRSH/
2983	706	140006	.RAD50	/0.6W CRSH/
2984	714	143076	.RAD50	/1.0W CRSH/
2985	722	140000	.RAD50	/0.2W CLMY/
2986	730	140000	.RAD50	/0.2E CLMY/
2987	736	140002	.RAD50	/0.4E CLMY/
2988	744	140003	.RAD50	/0.5E CLMY/
2989	752	140000	.RAD50	/0.2S VVLM/
2990	760	140002	.RAD50	/0.4S VVLM/
2991	766	140000	.RAD50	/0.2N PLVN/
2992	774	140004	.RAD50	/0.6N PLVN/
2993	002	140000	.RAD50	/0.2S NWTN/
2994	010	140001	.RAD50	/0.3N PLVN/
2995	016	140004	.RAD50	/0.6N PLVN/
2996	024	140000	.RAD50	/0.2W RLHL/
2997	032	140001	.RAD50	/0.3N PLVN/
2998	040	140002	.RAD50	/0.4N PFCT/
2999	046	140000	.RAD50	/0.2N CRSH/
3000	054	140002	.RAD50	/0.4N CRSH/
3001	062	140004	.RAD50	/0.6N CRSH/
3002	070	140006	.RAD50	/0.8N CRSH/
3003	076	140002	.RAD50	/0.4S LMTA/
3004	104	140000	.RAD50	/0.2S LMTA/
3005	112	140000	.RAD50	/0.2S PFCT/
3006	120	140001	.RAD50	/0.3S PFCT/
3007	126	140000	.RAD50	/0.2W PENN/
3008	134	140002	.RAD50	/0.4N PLVN/
3009	142	140004	.RAD50	/0.6W WSTR/
3010	150	140001	.RAD50	/0.3W WSTR/
3011	156	140002	.RAD50	/0.4S PFCT/
3012	164	140000	.RAD50	/0.2W NRBN/
3013	172	140001	.RAD50	/0.3S PLVN/
3014	200	140004	.RAD50	/0.6S PLVN/
3015	206	140007	.RAD50	/0.9S PLVN/
3016	214	143077	.RAD50	/1.1S PLVN/
3017	222	143102	.RAD50	/1.4S PLVN/
3018	230	143104	.RAD50	/1.6S PLVN/
3019	236	143107	.RAD50	/1.9S PLVN/
3020	244	140001	.RAD50	/0.3S ANHM/
3021	252	140004	.RAD50	/0.6S ANHM/
3022	260	140007	.RAD50	/0.9S ANHM/
3023	266	143076	.RAD50	/1.0S ANHM/
3024	274	143077	.RAD50	/1.1S ANHM/
3025	302	143102	.RAD50	/1.4S ANHM/
3026	310	143104	.RAD50	/1.6S ANHM/
3027	316	143106	.RAD50	/1.8S ANHM/

3020	324	146176	.RAD50	/2.0S	ANHM/
3029	332	140000	.RAD50	/0.2S	PFCT/
3030	340	140001	.RAD50	/0.3W	HRBF/
3031	346	140001	.RAD50	/0.3S	SPVD/
3032	354	140004	.RAD50	/0.6S	SPVD/
3033	362	140001	.RAD50	/0.3S	SPVD/
3034	370	140004	.RAD50	/0.6S	SPVD/
3035	376	140000	.RAD50	/0.2S	SPVD/
3036	404	140002	.RAD50	/0.4S	SPVD/
3037	412	140000	.RAD50	/0.2S	SPVD/
3038	420	140002	.RAD50	/0.4S	SPVD/
3039	426	140000	.RAD50	/0.2S	LMTA/
3040	434	140001	.RAD50	/0.3S	PFCT/
3041	442	140000	.RAD50	/0.2N	ANHM/
3042	450	140005	.RAD50	/0.7W	HRBF/
3043	456	140003	.RAD50	/0.5W	HRBF/
3044	464	140001	.RAD50	/0.3W	HRBF/
3045	472	140007	.RAD50	/0.9S	F /
3046	500	143100	.RAD50	/1.2S	F /
3047	506	143103	.RAD50	/1.5S	F /
3048	514	143107	.RAD50	/1.9S	F /
3049	522	140002	.RAD50	/0.4S	B /
3050	530	140006	.RAD50	/0.8S	B /
3051	536	143076	.RAD50	/1.0S	B /
3052	544	143100	.RAD50	/1.2S	B /
3053	552	140000	.RAD50	/0.2S	B /
3054	560	140002	.RAD50	/0.4S	B /
3055	566	140006	.RAD50	/0.8S	B /
3056	574	140004	.RAD50	/0.6S	F /
3057	602	140000	.RAD50	/0.2S	F /
3058	610	140000	.RAD50	/0.2S	B /
3059	616	143105	.RAD50	/1.7W	LGBH/
3060	624	143102	.RAD50	/1.4W	LGBH/
3061	632	143077	.RAD50	/1.1W	LGBH/
3062	640	140007	.RAD50	/0.9W	LGBH/
3063	646	140005	.RAD50	/0.7W	LGBH/
3064	654	140002	.RAD50	/0.4W	LGBH/
3065	662	140000	.RAD50	/0.2W	LGBH/
3066	670	140001	.RAD50	/0.3W	ALMD/
3067	676	140000	.RAD50	/0.2W	SNTF/
3068	704	140000	.RAD50	/0.2W	SOTO/
3069	712	140000	.RAD50	/0.2N	37TH/
3070	720	140001	.RAD50	/0.3W	SOTO/
3071	726	140000	.RAD50	/0.2S	WSHT/
3072	734	140000	.RAD50	/0.2S	24TH/
3073	742	140001	.RAD50	/0.3E	ALMD/
3074	750	140001	.RAD50	/0.3E	SNTF/
3075	756	140001	.RAD50	/0.3E	SOTO/
3076	764	140004	.RAD50	/0.6E	SOTO/
3077	772	140001	.RAD50	/0.3E	SOTO/
3078	000	140001	.RAD50	/0.3E	SOTO/
3079	006	140001	.RAD50	/0.3E	SOTO/
3080	014	140001	.RAD50	/0.3E	SOTO/
3081	022	140004	.RAD50	/0.6E	SOTO/
3082	030	140000	.RAD50	/0.2W	DWNY/

3083	036	140000	.RAD50	/0.2E	INDN/
3084	044	140003	.RAD50	/0.5E	INDN/
3085	052	140000	.RAD50	/0.2S	TRGG/
3086	060	140002	.RAD50	/0.4S	TRGG/
3087	066	140000	.RAD50	/0.2W	TRGG/
3088	074	140001	.RAD50	/0.3W	TRGG/
3089	102	137777	.RAD50	/0.1N	ATLT/
3090	110	140001	.RAD50	/0.3S	ATLT/
3091	116	140004	.RAD50	/0.6S	ATLT/
3092	124	140001	.RAD50	/0.3W	GRFD/
3093	132	140000	.RAD50	/0.2N	WHTT/
3094	140	140001	.RAD50	/0.3N	WHTT/
3095	146	140002	.RAD50	/0.4N	WHTT/
3096	154	140001	.RAD50	/0.3W	SNTF/
3097	162	140002	.RAD50	/0.4W	SNTF/
3098	170	140000	.RAD50	/0.2S	WHTT/
3099	176	137777	.RAD50	/0.1S	WHTT/
3100	204	137777	.RAD50	/0.1E	SOTO/
3101	212	137777	.RAD50	/0.1W	SOTO/
3102	220	140001	.RAD50	/0.3E	SOTO/
3103	226	140002	.RAD50	/0.4E	SOTO/
3104	234	140000	.RAD50	/0.2W	LORN/
3105	242	137777	.RAD50	/0.1S	3RD /
3106	250	140000	.RAD50	/0.2E	MCDN/
3107	256	140002	.RAD50	/0.4E	MCDN/
3108	264	140001	.RAD50	/0.3S	PMNA/
3109	272	140000	.RAD50	/0.2S	PMNA/
3110	300	140001	.RAD50	/0.3S	PMNA/
3111	306	140000	.RAD50	/0.2S	CRNA/
3112	314	140002	.RAD50	/0.4S	CRNA/
3113	322	140001	.RAD50	/0.3W	SNTA/
3114	330	140001	.RAD50	/0.3W	SNTA/
3115	336	140002	.RAD50	/0.4W	SNTA/
3116	344	140000	.RAD50	/0.2E	ALMD/
3117	352	140004	.RAD50	/0.6E	ALMD/
3118	360	140001	.RAD50	/0.3N	MACY/
3119	366	140001	.RAD50	/0.3S	GLST/
3120	374	140001	.RAD50	/0.3N	MACY/
3121	402	140000	.RAD50	/0.2W	GLST/
3122	410	137777	.RAD50	/0.1S	SNBR/
3123	416	137777	.RAD50	/0.1E	STTE/
3124	424	140000	.RAD50	/0.2W	EVGR/
3125	432	140001	.RAD50	/0.3W	INDN/
3126	440	140000	.RAD50	/0.2S	SNBR/
3127	446	140001	.RAD50	/0.3E	INDN/
3128	454	140003	.RAD50	/0.5W	EAST/
3129	462	140000	.RAD50	/0.2W	EAST/
3130	470	140000	.RAD50	/0.2S	SNBR/
3131	476	140004	.RAD50	/0.6S	SNBR/
3132	504	140006	.RAD50	/0.8S	SNBR/
3133	512	140000	.RAD50	/0.2N	FLSM/
3134	520	140003	.RAD50	/0.5N	FLSM/
3135	526	140002	.RAD50	/0.4S	SNBR/
3136	534	137777	.RAD50	/0.1S	SNBR/
3137	542	140000	.RAD50	/0.2W	GRVY/

3139	550	140000	.RAD50	/0.2W FRMT/
3139	556	140001	.RAD50	/0.3E FRMT/
3140	564	140001	.RAD50	/0.3W ATLT/
3141	572	140005	.RAD50	/0.7E FRMT/
3142	600	140000	.RAD50	/0.2S FRMT/
3143	606	140002	.RAD50	/0.4S FRMT/
3144	614	140006	.RAD50	/0.8S FRMT/
3145	622	143077	.RAD50	/1.1S FRMT/
3146	630	140000	.RAD50	/0.2E MDNK/
3147	636	140002	.RAD50	/0.4E MDNK/
3148	644	140005	.RAD50	/0.7E MDNK/
3149	652	140007	.RAD50	/0.9E MDNK/
3150	660	140001	.RAD50	/0.3N RGGN/
3151	666	140000	.RAD50	/0.2W ATLT/
3152	674	140001	.RAD50	/0.3W ATLT/
3153	702	140001	.RAD50	/0.3W SNTA/
3154	710	140001	.RAD50	/0.3E AV26/
3155	716	140000	.RAD50	/0.2E DALY/
3156	724	140002	.RAD50	/0.4E DALY/
3157	732	140007	.RAD50	/0.9E DALY/
3158	740	143077	.RAD50	/1.1E DALY/
3159	746	140000	.RAD50	/0.2N GRFF/
3160	754	140002	.RAD50	/0.4N GRFF/
3161	762	143103	.RAD50	/1.5E DALY/
3162	770	140000	.RAD50	/0.2W HRMN/
3163	776	140001	.RAD50	/0.3N HRMN/
3164	004	140004	.RAD50	/0.6S HRMN/
3165	012	140006	.RAD50	/0.8S HRMN/
3166	020	140000	.RAD50	/0.2N BRDW/
3167	026	140001	.RAD50	/0.3N DRUD/
3168	034	140001	.RAD50	/0.3N BDFD/
3169	042	140001	.RAD50	/0.3S MRNN/
3170	050	140004	.RAD50	/0.6N BDFD/
3171	056	140005	.RAD50	/0.7W WSMT/
3172	064	140002	.RAD50	/0.4W WSMT/
3173	072	140001	.RAD50	/0.3S HLMN/
3174	100	140000	.RAD50	/0.2S CNCN/
3175	106	140000	.RAD50	/0.2E PSLO/
3176	114	140005	.RAD50	/0.7W DALY/
3177	122	140000	.RAD50	/0.2W WSMT/
3178	130	140001	.RAD50	/0.3S 25TH/
3179	138	140001	.RAD50	/0.3N 25TH/
3180	144	140004	.RAD50	/0.6N 25TH/
3181	152	140004	.RAD50	/0.8S 7TH /
3182	160	140000	.RAD50	/0.2N 7TH /
3183	168	140002	.RAD50	/0.4N 7TH /
3184	174	045726	.RAD50	/LENNOX /
3185	202	035160	.RAD50	/IN YARD /
3186	210	077721	.RAD50	/TRANSCON /
3187	216	026450	.RAD50	/GI TRKING/
3188	224	07:355	.RAD50	/ROUTE 22 /
3189	232	07:355	.RAD50	/ROUTE 26 /
3190	240	07:355	.RAD50	/ROUTE 27 /
3191	246	07:355	.RAD50	/ROUTE 21 /
3192	254	07:355	.RAD50	/ROUTE 48 /

3193	262	07:355	.RAD50	/ROUTE 30 /
3194	270	07:355	.RAD50	/ROUTE 37 /
3195	276	07:355	.RAD50	/ROUTE 31 /
3196	304	07:355	.RAD50	/ROUTE 33 /
3197	312	07:355	.RAD50	/ROUTE 33A /
3198	320	07:355	.RAD50	/ROUTE 32 /
3199	326	07:355	.RAD50	/ROUTE 34 /
3200	334	07:355	.RAD50	/ROUTE 35 /
3201	342	07:355	.RAD50	/ROUTE 36 /
3202	350	07:355	.RAD50	/ROUTE 20 /
3203	356	07:355	.RAD50	/ROUTE 19 /
3204	364	07:355	.RAD50	/ROUTE 117 /
3205	372	07:355	.RAD50	/ROUTE 124 /
3206	400	07:355	.RAD50	/ROUTE 126 /
3207	406	07:355	.RAD50	/ROUTE 112 /
3208	414	07:355	.RAD50	/ROUTE 111 /
3209	422	07:355	.RAD50	/ROUTE 109 /
3210	430	07:355	.RAD50	/ROUTE 110 /
3211	436	07:355	.RAD50	/ROUTE 135 /
3212	444	07:355	.RAD50	/ROUTE 108 /
3213	452	07:355	.RAD50	/ROUTE 133 /
3214	460	07:355	.RAD50	/ROUTE 107 /
3215	466	07:355	.RAD50	/ROUTE 134 /
3216	474	07:355	.RAD50	/ROUTE 125 /
3217	502	07:355	.RAD50	/ROUTE 122 /
3218	510	07:355	.RAD50	/ROUTE 121 /
3219	516	07:355	.RAD50	/ROUTE 118 /
3220	524	07:355	.RAD50	/ROUTE 141 /
3221	532	07:355	.RAD50	/ROUTE 120 /
3222	540	07:355	.RAD50	/ROUTE 131 /
3223	546	07:355	.RAD50	/ROUTE 132 /
3224	554	07:355	.RAD50	/ROUTE 129 /
3225	562	07:355	.RAD50	/ROUTE 119 /
3226	570	07:355	.RAD50	/ROUTE 123 /
3227	0000000		.END	STFILE

STFILE RT-1' MICRO VM02-12 22-JUN-77 00:30:46 PAGE 1+
SYMBOL TABLE

STFILE 000000RG
ABS. 000000 000
040576 001

ERRORS DETECTED: 0
FREE CORE: 10272. WORDS

LP:=DX1:STFILA,STFILB,STFILC

SECTION C.9

The SPSTFL, Signpost File, data base is listed in this section. This file contains a three word entry for each signpost which are the signpost number and the AM Phase data for that signpost.



*** TSO FOREGROUND HARDCOPY ***
 SNAME=#11911.SORTSP2.DATA

05-096	4221480	4139660	012	3902.	-0141.	PASADENA AVE & G.S. FWY,
05-102	4171520	4046560	201	-4719.	-2008.	P.C.H. & AVE I
05-104	4181160	4087240	032	-2403.	-1634.	IMPERIAL HWY & HAWTHORNE
05-111	4146441	411116	61	3	0581.	IMPERIAL HWY & LAKEWOOD BLVD
05-112	4235280	4121260	055	3021.	0179.	WHITTIER BLVD. & EASTERN AV
05-117	4269300	4076960	122	0720.	1497.	ROSECRANS & S.A.FWY(5)
05-119	4215600	4091700	228	-0329.	-0557.	103RD ST & WILMINGTON AVE
05-122	4186441	4120280	025	0476.	-1065.	RODEO RD. & CRENSHAW BLVD
06-095	4222520	4124920	053	2864.	-0162.	WHITTIER BLVD & SOTO ST
06-096	4248680	4095400	078	1314.	0639.	FLORENCE AV & PARAMOUNT BLVD
06-104	4207020	4138660	007	2850.	-0472.	HLWD FWY & ALVARADO
06-116	4209261	140780	013	4535.	0041.	MISSION & SOTO
06-108	4176480	4092420	093	-2106.	-1633.	CENTURY BLVD & S.D.FWY(405)
06-112	4225800	4115660	057	2202.	-0102.	BANDINI BLVD & DOWNEY AVE
06-116	4161920	4084580	034	-2963.	-1922.	MARIPOSA & MAIN ST.(EL SEG.)
06-117	415320	4119780	255	2039.	-0379.	WASHINGTON BLVD & ALAMEDA ST
06-122	4231780	4066720	175	-1218.	-0043.	ARTESIA BLVD & ATLANTIC AV
07-112	4233320	4136340	016	4318.	0134.	VALLEY BLVD. & EASTERN
07-116	4247320	4120600	064	3137.	0514.	BEVERLY BLVD & GARFIELD AV
08-101	4189000	4097760	022	-1186.	-1294.	MANCHESTER & CRENSHAW
08-104	4175860	4104000	086	-1195.	-1469.	CENTINELA AV & LA CIENEGA BLVD
08-106	4215600	4125120	020	2494.	-0343.	7TH ST. & ALAMEDA ST
08-112	4232680	4072040	174	-0864.	0009.	ALONDRA BLVD & HUNSAKER RD
08-117	4268440	4131320	132	3674.	0973.	RUSH ST & ROSEMEAD BLVD
08-119	4252800	4082200	139	0566.	0830.	IMPERIAL HWY & WOODRUFF AV
08-120	4250360	4040900	147	-1535.	0577.	WILLOW ST & BELLFLOWER BLVD
08-122	4237380	4134500	050	4174.	0233.	RAMONA BLVD & ON-RAMP L.B. FWY
09-095	4267340	4122940	133	3276.	1011.	SAN GABRIEL BLVD & ROSEMEAD BLVD
09-096	4186980	4092540	030	-1636.	-1372.	CENTURY BLVD & CRENSHAW
09-106	4210320	4103160	082	0357.	-0640.	FLORENCE AV & CENTRAL AV
09-108	4263500	4116300	072	2911.	0969.	BEVERLY BLVD & ROSEMEAD BLVD
09-111	4183800	4092460	094	-1857.	-1493.	CENTURY BLVD & PRAIRIE AV.
09-112	4262800	4100580	074	1946.	1075.	SLAUSON AV & S.G.R.FWY(605)
09-120	4188640	4041740	214	-4399.	-1631.	LOMITA BLVD & CRENSHAW BLVD
09-121	4221160	4118780	058	2262.	-0223.	WASHINGTON BLVD & SOTO ST
09-122	4194280	4092540	041	-1388.	-1233.	CENTURY & WESTERN
10-095	4271480	4087660	104	1338.	1470.	LAKELAND RD & SHOEMAKER(MEYER)
10-099	4212720	4064040	234	-2434.	-0843.	VICTORIA ST & CENTRAL AVE
10-102	4196920	4087320	040	-1706.	-1228.	IMPERIAL HWY & NORMANDIE
10-104	4263740	4126440	134	3477.	0903.	POMONA FWY & SAN GABRIEL BLVD
10-106	4244880	4040780	164	-1759.	0377.	WILLOW ST & LAKEWOOD BLVD
10-108	4211280	4132980	010	2797.	-0407.	2ND ST & FIGUEROA
10-111	4157020	4090740	088	-2581.	-1879.	WORLDWAY WEST & PERSHING DR

10-116	4255460	4060840	157	-0513.	0914.	SOUTH ST & PALO VERDE AV
10-119	4231840	4115820	056	2446.	0075.	WASHINGTON BLVD. & OAK ST
10-120	4195040	4145460	004	2433.	-0672.	SANTA MONICA BLVD & HLWD FWY
- 9	10040	4				
11-102	4256520	4076880	120	0366.	0989.	ROSECRANS BLVD & S.G.R.FWY(605)
11-104	4210480	4123360	021	2051.	-0484.	S.M. FWY & SAN PEDRO ST
11-106	4210160	4113980	251	1269.	-0558.	VERNON AVE & CENTRAL AVE
-108	4201060	4145480	005	2791.	-0555.	SANTA MONICA BLVD & VIRGTL
11-111	4245100	4105920	066	1993.	0489.	SLAUSON AV & GARFIELD AV
11-114	4201820	4134900	008	2307.	-0609.	WILSHIRE & HOOVER
11-116	4232620	4094900	098	0734.	0065.	FIRESTONE BLVD & ATLANTIC AV
3-095	4199400	4126080	022	1601.	-0726.	S.M. FWY & VERMONT AVE
13-096	4216120	4137780	011	3419.	-0271.	PASADENA FWY & STADIUM WAY
13-102	4199620	4113920	252	0683.	-0836.	VERNON AVE & VERMONT AVE
13-104	4256200	4119960	071	3124.	0756.	LINCOLN AV & MONTEBELLO BLVD
-106	4203100	4120440	253	1391.	-0691.	JEFFERSON BLVD & FIGUEROA ST
13-108	4215880	4108380	059	1095.	-0432.	SLAUSON AV & ALAMEDA ST
13-111	4160980	4097720	089	-2051.	-1755.	MANCHESTER BLVD & LINCOLN BLVD
13-112	4250280	4066940	142	-0397.	0725.	ARTESIA BLVD & BELLFLOWER BLVD
-116	4231300	4083600	221	-0167.	-0012.	CENTURY BLVD & ATLANTIC AVE
13-119	4275220	4135280	130	3768.	1080.	GARVEY AVE & SANTA ANITA AV
18-070	4219780	4086520	226	-0520.	-0440.	IMPERIAL HWY & ALAMEDA ST
18-073	4199340	4022840	191	-4037.	-1124.	CHANNEL ST & GAFFEY ST
- 7	42	4	92	-1 98		ON AV
18-079	4176020	4082080	036	-2987.	-1814.	EL SEGUNDO & S.D. FWY.
18-085	4245080	4061560	162	-0881.	0491.	SOUTH ST & LAKEWOOD BLVD
18-086	4224980	4089200	225	-0051.	-0232.	CENTURY BLVD & CALIFORNIA ST
18-088	4265880	4141840	044	412		
18-091	4188980	4087300	031	-2095.	-1454.	IMPERIAL HWY & CRENSHAW
18-095	4270340	4139100	138	3965.	0958.	S.B.FWY(10) & TEMPLE CITY BLVD
18-096	4239740	4066760	172	-0841.	0286.	ARTESIA BLVD & PARAMOUNT BLVD
19-076	4263160	4137920	045	4014.	0819.	HELLMAN ST & WALNUT GROVE AV
20-070	4175960	4044440	200	-4703.	-1931.	P.C.H. & CALLE MAYOR
20-076	4202880	4103040	083	-0047.	-0861.	FLORENCE AV & HARBOR FWY
20-079	4194400	4103000	042	-0486.	-1090.	FLORENCE & WESTERN
20-080	4242260	4077340	159	-0112.	0412.	ROSECRANS BLVD & DOWNEY AV
20-082	4242240	4041180	165	-1855.	0282.	WILLOW ST & REDONDO AV
20-085	4288200	4068600	109	0728.	2128.	ARTESIA BLVD & KINGMAN AV
20-086	4266180	4088880	076	1306.	1285.	FLORENCE AV & NORWALK BLVD
20-088	4181600	4103060	084	-1056.	-1378.	CENTINELA & HYDE PARK BLVD
20-089	4183700	4081960	037	-2782.	-1674.	EL SEGUNDO & PRAIRIE
20-091	4193100	4011660	189	-4228.	-1173.	25TH ST(S.P.) & WESTERN AV
20-096	4268720	4082280	103	0990.	1433.	IMPERIAL HWY & BLOOMFIELD AV
20-097	4243900	4134340	049	4107.	0393.	GARVEY AV & FREMONT AV
21-080	4250300	4056860	144	-0894.	0682.	DEL AMO BLVD. & BELLFLOWER BLVD.
21-085	4263180	4076940	121	0563.	1256.	ROSECRANS & PIONEER BLVD
22-071	4205460	4017400	186	-3850.	-0915.	SEASIDE AVE & DOCK ST

22-072	4232160	4030700	182	-2593.	-0113.	7TH ST & ATLANTIC AVE
22-073	4239000	4107120	061	1931.	0292.	SLAUSON AV & EASTERN AV
22-079	4213740	4032600	193	-3373.	-0752.	ANAHEIM ST & ALAMEDA ST
22-082	4204920	4087160	229	-1285.	-0970.	IMPERIAL HWY & MAIN ST
22-085	4229500	4035880	180	-2579.	-0201.	P.C.H. & PACIFIC AVE
22-086	4255400	4066280	158	-0246.	0935.	ARTESIA BLVD & PALO VERDE AV
22-088	4244880	4072200	161	-0316.	0512.	ALONDRA BLVD & LAKEWOOD BLVD
22-089	4255580	4056860	156	-0694.	0895.	DEL AMO BLVD & PALO VERDE AV
23-076	4209380	4021880	185	-3680.	-0833.	SEASIDE AVE. & NORMON ST
23-079	4199300	4011140	188	-4061.	-1026.	25TH ST(S.P.) & GAFFEY ST.
23-082	4237440	4046540	170	-1875.	0122.	WARDLOW RD & CHERRY AV
23-086	4215720	4024520	184	-3402.	-0653.	OCEAN BLVD & T.I.FWY(47)
23-088	4232020	4051100	178	-1955.	-0078.	CARSON ST & ATLANTIC AV
26-070	4257080	4029620	151	-1649.	0709.	7TH ST & STUDEBAKER RD
26-071	4250560	4035520	148	-1707.	0545.	ATHERTON ST & BELLFLOWER BLVD
26-072	4217080	4042520	248	-3005.	-0666.	SEPULVEDA BLVD & ALAMEDA ST
26-073	4231040	4101580	080	1206.	0024.	FLORENCE AV & ATLANTIC AV
26-076	4199400	4016460	187	-4050.	-1067.	9TH ST(S.P.) & GAFFEY ST.
26-080	4237400	4035900	169	-2229.	0083.	P.C.H. & CHERRY AVE
26-082	4203480	4028780	192	-3857.	-1058.	B ST & FIGUEROA ST
26-085	4228120	4027680	183	-2832.	-0253.	OCEAN BLVD & MAGNOLIA AVE
26-086	4204660	4036160	195	-3741.	-1079.	P.C.H. & WILMINGTON BLVD
26-088	4278800	4129600	128	3512.	1195.	DURFEE AVE & PECK RD.
26-090	4197820	4032940	196	-4060.	-1264.	ANAHEIM & NORMANDIE/P.V.DR N/GAF
26-092	4232060	4061360	176	-1489.	-0048.	SOUTH ST & ATLANTIC AV
26-095	4206520	4032280	194	-3612.	-0924.	ANAHEIM ST & AVALON BLVD
26-100	4258140	4036060	152	-1411.	0803.	S.D.FWY(405)OFFRAMP & STUDEBAKER
26-104	4275260	4129740	137	3546.	1125.	TYLER AV & SANTA ANITA AV
28-056	4222900	4035860	181	-2883.	-0440.	P.C.H. & SANTA FE AVE
28-062	4256220	4107860	068	2326.	0826.	WASHINGTON BLVD & PARAMOUNT BLVD
28-066	4262760	4108320	125	2425.	1011.	MINES AVE & PASSONS BLVD
28-068	4188460	4052820	215	-4399.	-1792.	TORRANCE BLVD & CRENSHAW BLVD
28-070	4271320	4071660	117	0500.	1602.	ALONDRA BLVD & SHOEMAKER AV
28-073	4224020	4056460	239	-2142.	-0392.	DEL AMO BLVD & SANTA FE AV
28-080	4250280	4046480	146	-1333.	0615.	WARDLOW RD & BELLFLOWER BLVD
29-056	4272200	4119000	126	3058.	1154.	ROSE HILLS RD NEAR S.G.R.FWY(605
29-058	4239900	4115760	062	2658.	0313.	S.A.FWY & EASTERN AV(ATLANTIC)
29-062	4232100	4041280	179	-2302.	-0097.	WILLOW ST & ATLANTIC AV
29-063	4204540	4046540	246	-3586.	-1154.	228TH ST & MAIN ST
29-068	4212860	4056600	254	-2778.	-0850.	DEL AMO BLVD & CENTRAL AVE
31-072	4284020	4134160	129	3642.	1248.	VALLEY BLVD. & DURFEE RD.
31-073	4179420	4108180	085	-0738.	-1349.	SLAUSON AV & LA BREA BLVD
31-076	4194360	4126000	023	1295.	-0842.	S.M. FWY & WESTERN AVE
31-079	4255580	4047260	154	-1100.	0819.	LOS COYOTES DIAG & PALO VERDE AV

31-082	4253880	4102740	067	1942.	0782. SLAUSON AV & PARAMOUNT BLVD
31-085	4258300	4043540	153	-1144.	0883. SPRING ST & STUDEBAKER RD
31-088	4248720	4024500	167	-2091.	0409. 2ND ST & BAY SHORE DR
31-092	4254740	4098200	124	1651.	0834. TELEGRAPH RD & ROSEMEAD BLVD
31-096	4263180	4135340	046	3908.	0835. GARVEY AV & WALNUT GROVE AV
31-100	4207420	4064020	235	-2772.	1063. VICTORIA ST & AVALON BLVD
31-104	4268260	4135360	131	3848.	0942. GARVEY AVE & ROSEMEAD BLVD
32-054	4171100	4053620	202	-4674.	-2092. TORRANCE BLVD & P.C.H.
32-056	4284400	4071840	115	0799.	2080. ALONDRA BLVD & STAGE RD.
32-058	4237940	4093840	099	0859.	0256. FIRESTONE BLVD & GARFIELD AV
32-060	4167940	4094860	090	-2124.	1719. LINCOLN BLVD & SEPULVEDA BLVD
32-061	4180780	4053160	211	-4688.	-2000. TORRANCE BLVD & HAWTHORNE BLVD
32-062	4252260	4125320	135	3471.	0628. MARKLAND DR & POTRERO GRANDE DR
32-063	4266400	4097000	256	1783.	1215. NORWALK BLVD & LOS NIETOS
32-064	4263220	4071520	118	0275.	1269. ALONDRA BLVD & PIONEER BLVD
32-066	4250260	4061580	143	-0672.	0704. SOUTH ST & BELLFLOWER BLVD.
32-067	4261060	4093680	075	1490.	1074. TELEGRAPH RD & ORR AND DAY RD
32-070	4233960	4143820	014	4718.	0152. HUNTINGTON DR & EASTERN
32-071	4256700	4071640	119	0080.	1000. ALONDRA BLVD & S.G.R.FWY(605)
32-072	4250280	4076740	140	0152.	0737. ROSECRANS AV & BELLFLOWER BLVD
32-073	4207840	4056940	238	-3075.	-1057. DEL AMO BLVD & AVALON BLVD
32-075	4229600	4127180	052	3383.	0030. BROOKLYN AV/LORENA/INDIANA
32-079	4276680	4077040	123	0888.	1769. ROSA BLVD
32-080	4194140	4019120	190	-4204.	-1221. 1ST ST(S.P.) & WESTERN AV
33-072	4206760	4129440	009	2270.	-0535. OLYMPIC & HARBOR FWY.
33-073	4228280	4136000	017	4117.	0011. VALLEY BLVD. & SOTO ST.
34-058	4250280	4072260	141	-0106.	0735. ALONDRA BLVD & BELLFLOWER BLVD
34-061	4199820	4066100	236	-3164.	-1367. ARTESIA BLVD & VERMONT AVE
34-062	4194280	4108400	043	-0044.	-1028. SLAUSON & WESTERN
34-063	4194340	4060760	237	-3828.	-1615. 190TH ST & WESTERN AVE
34-064	4237160	4086820	222	0315.	0221. IMPERIAL HWY & GARFIELD AVE
34-066	4250440	4051540	145	-1122.	0655. CARSON ST & BELLFLOWER BLVD
34-070	4181460	4048780	212	-4647.	-1912. SEPULVEDA BLVD & HAWTHORNE BLVD
34-071	4222860	4131320	018	3422.	-0133. STATE ST & G.S. FWY.
34-073	4279580	4066420	114	0451.	1932. ARTESIA BLVD & VALLEY VIEW
35-054	4279680	4061120	112	0220.	1852. ORANGETHORPE & VALLEY VIEW
35-056	4284840	4061180	111	0343.	1983. ORANGETHORPE & KNOTT AV
35-058	4204920	4097760	095	-0390.	-0856. MANCHESTER BLVD & MAIN ST
35-060	4176020	4098420	091	-1630.	-1548. MANCHESTER BLVD & S.D.FWY(405)
35-061	4231760	4107600	060	1736.	0060. SLAUSON AV & ATLANTIC AV
35-062	4245040	4051420	163	-1348.	0442. CARSON ST & LAKEWOOD BLVD
35-063	4277140	4071760	116	0642.	1838. ALONDRA BLVD & S.A.FWY(5)
35-064	4221000	4077180	220	-1137.	-0445. ROSECRANS AVE & ALAMEDA ST
35-065	4222420	4066600	233	-1721.	-0432. ARTESIA FWY(91) & ALAMEDA ST
35-070	4239640	4056760	171	-1349.	0248. DEL AMO BLVD & PARAMOUNT BLVD
35-071	4186960	4125280	001	848.	-1001. S.M.FWY & CRENSHAW

35-072	4216160	4071780	231	-1770.	-0668.	ALONDRA BLVD & WILMINGTON AVE
35-075	4229700	4121280	054	2855.	0023.	WHITTIER BLVD & INDIANA ST
35-080	4215760	4130220	019	2897.	-0314.	1ST ST. & ALAMEDA ST
36-056	4284740	4075480	107	0970.	2018.	ROSECRANS AV & LA MIRADA BLVD
36-058	4212940	4097840	096	0042.	-0601.	FIRESTONE BLVD & COMPTON AV
36-060	4208100	4051120	242	-3263.	-1037.	CARSON ST & AVALON AV
36-061	4222740	4048480	240	-2527.	-0452.	WARDLOW RD & SANTA FE AVE
36-062	4200100	4051100	243	-3745.	-1350.	CARSON ST & VERMONT AV
38-054	4284500	4081280	106	1236.	1913.	TACUBA DR & LA MIRADA BLVD
38-058	4194700	4035840	197	-4173.	-1387.	P.C.H. & WESTERN AV
38-060	4181200	4070540	208	-3892.	-1947.	ONRAMP S.D.FWY N(405)& HAWTHORNE
38-062	4215620	4051020	241	-2828.	-0737.	CARSON ST & WILMINGTON AV
38-063	4263440	4082200	102	0862.	1240.	IMPERIAL HWY & PIONEER BLVD
38-065	4276680	4083720	105	1224.	1679.	LEFFINGWELL RD & MEYERS RD
39-072	4225220	4071940	232	-1250.	-0297.	ALONDRA BLVD & LONG BEACH BLVD
39-074	4255260	4116200	070	2876.	0751.	WHITTIER BLVD & MONTEBELLO BLVD
39-075	4265950	4091430	257	1449.	1254.	NORWALK BLVD & TELEGRAPH
40-054	4274220	4066280	113	0315.	1714.	ARTESIA BLVD & CARMENITA AV
40-056	4234240	4077440	173	-0451.	0088.	ROSECRANS AV & ORANGE AV
40-060	4168040	4081880	035	-3116.	-1911.	EL SEGUNDO & SEPULVEDA
40-061	4187660	4103080	028	-0798.	-1251.	FLORENCE & CRENSHAW
40-062	4188380	4047460	213	-4414.	-1720.	SEPULVEDA BLVD & CRENSHAW BLVD
40-063	4211180	4077080	219	-1707.	-0834.	ROSECRANS AVE & CENTRAL AVE
40-064	4204840	4076760	218	-2113.	-1081.	ROSECRANS AVE & MAIN ST
40-065	4173260	4059620	203	-4589.	-2127.	BERYL ST & FLAGLER LN.
40-074	4180760	4060660	210	-4712.	-2125.	190TH ST & HAWTHORNE BLVD
40-079	4260060	4111360	069	2593.	0913.	PARAMOUNT & DUNLAP CRSING RD
41-073	4242040	4030780	166	-2181.	0225.	7TH ST & REDONDO AV
41-074	4276280	4125880	127	3371.	1179.	POMONA FWY & DURFEE-PECK RD
42-056	4225580	4095700	097	0492.	-0132.	FIRESTONE BLVD & CALIFORNIA AV
42-058	4254280	4086760	101	0894.	0873.	FIRESTONE & STEWART AND GRAY RD
42-060	4247660	4112600	065	2546.	0549.	WASHINGTON BLVD & GARFIELD AV
42-062	4219760	4102980	081	0824.	-0343.	FLORENCE AV & PACIFIC BLVD
42-063	4189000	4062860	216	-4115.	-1831.	S.D.FWY(405) & CRENSHAW BLVD
42-064	4237060	4026700	168	-2485.	0043.	OCEAN BLVD & CHERRY AV
42-072	4197620	4046500	245	-3967.	-1407.	228TH ST & NORMANDIE AV
42-073	4194320	4051100	244	-4089.	-1568.	CARSON ST & WESTERN AV
42-074	4181660	4041280	199	-4601.	-1787.	P.C.H. & HAWTHORNE BLVD.
42-075	4188960	4081940	038	-2569.	-1543.	EL SEGUNDO & CRENSHAW
43-056	4210660	4042680	247	-3336.	-0907.	SEPULVEDA BLVD & WILMINGTON AV
43-058	4167840	4071380	205	-3875.	-2056.	MANHATTAN BEACH BLVD & P.C.H.
43-060	4169060	4105020	087	-1335.	-1559.	CENTINELA AV & S.D.FWY(405)
43-063	4187700	4108360	027	-0367.	-1180.	SLAUSON & CRENSHAW
43-064	4229440	4056580	177	-1850.	-0169.	DEL AMO BLVD & LONG BEACH BLVD
43-072	4194340	4119260	024	0811.	-0908.	EXPOSITION & WESTERN AVE
43-073	4168020	4087240	033	-2706.	-1831.	IMPERIAL HWY & SEPULVEDA
43-075	4194380	4131660	003	1665.	-0792.	OLYMPIC & WESTERN

44-054	4288800	4063800	110	0537.	2080.	S.A.FWY(5) & BEACH BLVD
44-056	4194220	4082060	039	-2299.	-1387.	EL SEGUNDO & WESTERN
44-058	4236680	4141280	015	4569.	0260.	ALHAMBRA & LOWELL
44-063	4257900	4135200	047	3969.	0719.	GARVEY AV & DEL MAR AV
44-064	4258240	4130000	136	3707.	0753.	HILL DR & POTRERO GRANDE DR
44-074	4188520	4128600	002	1147.	-0938.	VENICE & CRENSHAW
44-075	4205020	4108320	250	0514.	-0748.	SLAUSON AVE & MAIN ST
44-079	4268440	4114240	073	2803.	1109.	BEVERLY BLVD & S.G.P.FWY(605)
45-054	4255580	4051520	155	-0927.	0855.	CARSON ST & PALO VERDE AV
45-056	4172220	4066060	204	-4263.	-2101.	ARTESIA BLVD & AVIATION BLVD
45-058	4194800	4041460	249	-4149.	-1448.	242ND PL & WESTERN AVE
45-060	4206640	4093400	077	1281.	0786.	FLORENCE AV & LAKEWOOD BLVD
45-062	4246200	4091540	100	0972.	0559.	FIRESTONE BLVD & PARAMOUNT BLVD
45-063	4187000	4036780	198	-4441.	-1603.	P.C.H. & CRENSHAW BLVD
46-063	4194180	4071800	217	-3148.	-1535.	REDONDO BEACH BLVD & WESTERN AV
46-064	4166380	4111400	026	0197.	-1109.	SANTA BARBARA & CRENSHAW
47-054	4292080	4074740	108	1062.	2098.	ROSECRANS AV & BEACH BLVD
47-058	4242060	4099760	079	1444.	0399.	FLORENCE AV & GARFIELD AV
47-060	4177020	4074000	206	-3662.	-1945.	COMPTON BLVD & S.D.FWY(405)
47-063	4183760	4074040	207	-34 3.	-1821.	COMPTON BLVD & PRAIRIE AVE
47-064	4204320	4070780	230	-2570.	-1153.	ALONDRA BLVD & MAIN ST
47-065	4254660	4024440	150	-1879.	0591.	PACIFIC COAST HWY & WESTMINSTER
48-064	4243540	4126240	063	3540.	0399.	BROOKLYN AV & ATLANTIC BLVD
49-063	4181100	4065940	209	-4314.	-044.	ARTESIA BLVD & HAWTHORNE BLVD

4266050 4094100 TC 1607 1232 TRANSCON
 4280800 4071800 GI 723 1977 GI

*** TSO FOREGROUND HARDCOPY ***
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35-071	4186960	4125280	001	848.	-1001.	S.M.FWY & CRENSHAW
44-074	4188520	4128600	002	1147.	-0938.	VENICE & CRENSHAW
43-075	4194380	4131660	003	1665.	-0792.	OLYMPIC & WESTERN
1-20	4195040	4145460	004	2433.	-0672.	SANTA MONICA BLVD & HLWD FWY
11-108	4201060	4145480	005	2791.	-0555.	SANTA MONICA BLVD & VIRGIL
11-096	4199620	4140280	006	2463.	-0618.	BEVERLY & VERMONT
06-104	4207020	4138660	007	2850.	-0472.	HLWD FWY & ALVARADO
42	4207020	4138660	008	2307.	-0609.	WILSHIRE & HOOVER
33-072	4206760	4129440	009	2270.	-0535.	OLYMPIC & HARBOR FWY.
10-108	4211280	4132980	010	2797.	-0407.	2ND ST & FIGUEROA
13-096	4216120	4137780	011	3419.	-0271.	PASADENA FWY & STADIUM WAY
05-096	4221480	4139660	012	3902.	-0141.	PASADENA AVE & G.S. FWY.
06-106	4229260	4140780	013	4535.	0041.	MISSION & SOTO
32-070	4233960	4143820	014	4718.	0152.	HUNTINGTON DR & EASTERN
44-058	4238680	4141280	015	4569.	0260.	ALHAMBRA & LOWELL
07-112	4233320	4136340	016	4318.	0134.	VALLEY BLVD. & EASTERN
33-073	4228280	4136000	017	4117.	0011.	VALLEY BLVD. & SOTO ST.
34-071	4222860	4131320	018	3422.	-0133.	STATE ST & G.S. FWY.
35-080	4215760	4130220	019	2897.	-0314.	1ST ST. & ALAMEDA ST
08-106	4215600	4125120	020	2494.	-0343.	7TH ST. & ALAMEDA ST
11-104	4210480	4123360	021	2051.	-0484.	S.M. FWY & SAN PEDRO ST
13-095	4199600	4126080	022	1601.	-0726.	S.M. FWY & VERMONT AVE
31-076	4194360	4126000	023	1295.	-0842.	S.M. FWY & WESTERN AVE
43-072	4194340	4119260	024	0811.	-0908.	EXPOSITION & WESTERN AVE
05-122	4186440	4120200	025	0476.	-1065.	RODEO RD & CRENSHAW BLVD
46-064	4186380	4116480	026	0197.	-1109.	SANTA BARBARA & CRENSHAW
43-063	4187700	4108360	027	-0367.	-1160.	SLAUSON & CRENSHAW
40-061	4187660	4103080	028	-0798.	-1251.	FLORENCE & CRENSHAW
08-102	4189000	4097760	029	-1186.	-1294.	MANCHESTER & CRENSHAW
09-096	4188980	4092540	030	-1636.	-1372.	CENTURY BLVD & CRENSHAW
18-091	4188980	4087300	031	-2095.	-1454.	IMPERIAL HWY & CRENSHAW
05-104	4181160	4087240	032	-2403.	-1634.	IMPERIAL HWY & HAWTHORNE
43-073	4168020	4087240	033	-2706.	-1831.	IMPERIAL HWY & SEPULVEDA
06-116	4161920	4084580	034	-2963.	-1922.	MARIPOSA & MAIN ST.(EL SEG.)
40-060	4168040	4081880	035	-3116.	-1911.	EL SEGUNDO & SEPULVEDA
18-079	4176020	4082080	036	-2987.	-1814.	EL SEGUNDO & S.D. FWY.
20-089	4183700	4081960	037	-2782.	-1674.	EL SEGUNDO & PRAIRIE
42-075	4188960	4081940	038	-2569.	-1543.	EL SEGUNDO & CRENSHAW
44-056	4194220	4082060	039	-2299.	-1387.	EL SEGUNDO & WESTERN
10-102	4196920	4087320	040	-1706.	-1228.	IMPERIAL HWY & NORMANDIE
09-122	4194280	4092540	041	-1388.	-1233.	CENTURY & WESTERN
20-079	4194400	4103000	042	-0486.	-1090.	FLORENCE & WESTERN
34-062	4194280	4108400	043	-0044.	-1028.	SLAUSON & WESTERN

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18-088	4265880	4141840	044	4120.	0853.	VALLEY BLVD & ROSEMEAD BLVD
19-076	4263160	4137920	045	4014.	0819.	HELLMAN ST & WALNUT GROVE AV
31-096	4263180	4135340	046	3908.	0835.	GARVEY AV & WALNUT GROVE AV
41-011	4259111	4135340	046	3908.	0835.	GARVEY AV & DEL MAR AV
31-090	4250740	4135280	048	4069.	0554.	GARVEY AV & GARFIELD AV
20-097	4243900	4134340	049	4107.	0393.	GARVEY AV & FREMONT AV
08-122	4237380	4134500	050	4174.	0233.	RAMONA BLVD & ON-RAMP L.B. FWY
23-8	4235380	4127320	051	552.	0183.	BROOKLYN AV & EASTERN AV
32-075	4229600	4127180	052	3383.	0030.	BROOKLYN AV/LORENA/INDIANA
06-095	4222520	4124920	053	2864.	-0162.	WHITTIER BLVD & SOTO ST
35-075	4229700	4121280	054	2855.	0023.	WHITTIER BLVD & INDIANA ST
0-12	42352	4121280	054	2855.	0023.	WHITTIER BLVD & EASTERN AV
10-119	4231840	4115820	056	2446.	0075.	WASHINGTON BLVD. & OAK ST
06-112	4225800	4115660	057	2202.	-0102.	BANDINI BLVD & DOWNEY AVE
09-121	4221160	4118780	058	2262.	-0223.	WASHINGTON BLVD & SOTO ST
13-108	4215880	4102380	059	1095.	-0432.	SLAUSON AV & ALAMEDA ST
35-061	4231760	4107600	060	1736.	0060.	SLAUSON AV & ATLANTIC AV
22-073	4239000	4107120	061	1931.	0292.	SLAUSON AV & EASTERN AV
29-058	4239900	4115760	062	2658.	0313.	S.A.FWY & EASTERN AV(ATLANTIC)
48-064	4243540	4126240	063	3540.	0099.	BROOKLYN AV & ATLANTIC AV
07-116	4247320	4120600	064	3137.	0514.	BEVERLY BLVD & GARFIELD AV
42-060	4247660	4112600	065	2546.	0549.	WASHINGTON BLVD & GARFIELD AV
11-111	4245100	4105920	066	1993.	0489.	SLAUSON AV & GARFIELD AV
31-082	4253880	4102740	067	1042.	0782.	SLAUSON AV & PARAMOUNT BLVD
28-062	4256220	4107860	068	2326.	0826.	WASHINGTON BLVD & PARAMOUNT BLVD
40-079	4260060	4111360	069	2593.	0913.	PARAMOUNT & DUNLAP CRSING RD
39-074	4255260	4116200	070	2876.	0751.	WHITTIER BLVD & MONTEBELLO BLVD
13-104	4256200	4119960	071	3124.	0756.	LINCOLN AV & MONTEBELLO BLVD
09-108	4263500	4116300	072	2911.	0969.	BEVERLY BLVD & ROSEMEAD BLVD
44-079	4268440	4114240	073	2803.	1109.	BEVERLY BLVD & S.G.R.FWY(605)
09-112	4262800	4100580	074	1946.	1075.	SLAUSON AV & S.G.R.FWY(605)
32-067	4261060	4093680	075	1490.	1074.	TELEGRAPH RD & ORR AND DAY RD
20-386	4266180	4088880	076	1306.	1285.	FLORENCE AV & NORWALK BLVD
45-060	4252640	4093400	077	1281.	0786.	FLORENCE AV & LAKEWOOD BLVD
06-096	4248680	4095400	078	1314.	0639.	FLORENCE AV & PARAMOUNT BLVD
47-058	4242060	4099760	079	1444.	0399.	FLORENCE AV & GARFIELD AV
26-073	4231040	4101580	080	1206.	0024.	FLORENCE AV & ATLANTIC AV
42-062	4219760	4102980	081	0824.	-0343.	FLORENCE AV & PACIFIC BLVD
09-106	4210320	4103160	082	0357.	-0640.	FLORENCE AV & CENTRAL AV
20-076	4202880	4103040	083	-0047.	-0861.	FLORENCE AV & HARBOR FWY
20-088	4181600	4103060	084	-1056.	-1378.	CENTINELA & HYDE PARK BLVD
31-073	4179420	4108180	085	-0738.	-1349.	SLAUSON AV & LA BREA BLVD
03-104	4175860	4104000	086	-1195.	-1469.	CENTINELA AV & LA CIENEGA BLVD
43-060	4169060	4105020	087	-1335.	-1559.	CENTINELA AV & S.D.FWY(405)
10-111	4157020	4090740	088	-2581.	-1879.	WORLDWAY WEST & PERSHING DR
13-111	4160980	4097720	089	-2051.	-1755.	MANCHESTER BLVD & LINCOLN BLVD
32-060	4167940	4094860	090	-2124.	-1719.	LINCOLN BLVD & SEPULVEDA BLVD

35-060	4176020	4098420	091	-1630.	-1548.	MANCHESTER BLVD & S.D.FWY(405)
22-080	4180880	4098360	092	-1468.	-1461.	MANCHESTER BLVD & LA BREA BLVD
06-108	4176480	4092420	093	-2106.	-1633.	CENTURY BLVD & S.D.FWY(405)
-	1. 81	19	0	- 57.	-1493.	CENTURY BLVD & PRAIRIE AV
35-058	4204920	4097760	095	-0390.	-0856.	MANCHESTER BLVD & MAIN ST
36-058	4212940	4097840	096	0042.	-0601.	FIRESTONE BLVD & COMPTON AV
-2-056	4225580	4095700	097	0492.	-C182.	FIRESTONE BLVD & CALIFORNIA AV
-	4 32620	4094900	098	0734.	0065.	FIRESTONE BLVD & ATLANTIC AV
32-058	4237940	4093840	099	0859.	0256.	FIRESTONE BLVD & GARFIELD AV
45-062	4246200	4091540	100	0972.	0559.	FIRESTONE BLVD & PARAMOUNT BLVD
42-058	4254280	4086760	101	0894.	0873.	FIRESTONE & STEWART AND GRAY RD
38-063	4263440	4082200	102	0862.	1240.	IMPERIAL HWY & PIONEER BLVD
20-096	4268720	4082280	103	0990.	1433.	IMPERIAL HWY & BLOOMFIELD AV
10-095	4271480	4087660	104	1338.	1470.	LAKELAND RD & SHOEMAKER(MEYER)
38-065	4276680	4083720	105	1224.	1679.	LEFFINGWELL RD & MEYERS RD
38-054	4284500	4081280	10	1236	9	TACUBA DR & LA MIRADA BLVD
36-056	4284740	4075480	107	0970.	2018.	ROSECRANS AV & LA MIRADA BLVD
47-054	4292080	4074740	108	1062.	2098.	ROSECRANS AV & BEACH BLVD
20-085	4288200	4068600	109	0728.	2128.	ARTESIA BLVD & KINGMAN AV
44-054	4288800	4063800	110	0537.	2080.	S.A.FWY(5) & BEACH BLVD
35-056	4284840	4061180	111	0343.	1983.	ORANGETHORPE & KNOTT AV
35-054	4279680	4061120	112	0220.	1852.	ORANGETHORPE & VALLEY VIEW
40-054	4274220	4066280	113	0315.	1714.	ARTESIA BLVD & CARMENITA AV
34-073	4279580	4066420	114	0451.	1932.	ARTESIA BLVD & VALLEY VIEW
32-056	4284480	4071840	115	0799.	2080.	ALONDRA BLVD & STAGE RD.
35-063	4277140	4071760	116	0642.	1838.	ALONDRA BLVD & S.A.FWY(5)
28-070	4271320	4071660	117	0500.	1602.	ALONDRA BLVD & SHOEMAKER AV
32-064	4263220	4071520	118	0275.	1269.	ALONDRA BLVD & PIONEER BLVD
32-071	4256700	4071640	119	0060.	1000.	ALONDRA BLVD & S.G.R.FWY(605)
11-102	4256520	4076880	120	0366.	0989.	ROSECRANS BLVD & S.G.R.FWY(605)
21-085	4263180	4076940	121	0563.	1256.	ROSECRANS & PIONEER BLVD
05-117	4269300	4076960	122	0720.	1497.	ROSECRANS & S.A.FWY(5)
32-079	4276680	4077040	123	0888.	1769.	ROSECRANS & MARQUARDT AV
31-092	4254740	4098200	124	1651.	0834.	TELEGRAPH RD & ROSEMEAD BLVD
28-066	4262760	4108320	125	2425.	1011.	MINES AVE & PASSONS BLVD
29-056	4272200	4119000	126	3058.	1154.	ROSE HILLS RD NEAR S.G.R.FWY(605)
41-074	4276280	4125880	127	3371.	1179.	POMONA FWY & DURFEE-PECK RD
26-088	4278800	4129600	128	3512.	1195.	DURFEE AVE & PECK RD.
31-072	4284020	4134160	129	3642.	1248.	VALLEY BLVD. & DURFEE RD.
13-119	4275220	4135280	130	3768.	1080.	GARVEY AVE & SANTA ANITA AV
31-104	4268260	4135360	131	3848.	0942.	GARVEY AVE & ROSEMEAD BLVD
08-117	4268440	4131320	132	3674.	0973.	RUSH ST & ROSEMEAD BLVD
09-095	4267340	4122940	133	3276.	1011.	SAN GABRIEL BLVD & ROSEMEAD BLVD
10-104	4263740	4126440	134	3477.	0903.	POMONA FWY & SAN GABRIEL BLVD
32-062	4252260	4125320	135	3471.	0628.	MARKLAND DR & POTRERO GRANDE DR
44-064	4258240	4130000	136	3707.	0753.	HILL DR & POTRERO GRANDE DR
26-104	4275260	4129740	137	3546.	1125.	TYLER AV & SANTA ANITA AV

1A-095	4270340	4139100	138	3965.	0958. S.B.FWY(10) & TEMPLE CITY BLVD
03-119	4252800	4082200	139	0566.	0830. IMPERIAL HWY & WOODRUFF AV
32-072	4250280	4076740	140	0152.	0737. ROSECRANS AV & BELLFLOWER BLVD
3-059	4250280	4076740	141	-0106.	0735. ALONDRA BLVD & BELLFLOWER BLVD
13-112	4250280	4066940	142	-0397.	0725. ARTESIA BLVD & BELLFLOWER BLVD
32-066	4250260	4061580	143	-0672.	0704. SOUTH ST & BELLFLOWER BLVD.
21-080	4250300	4056860	144	-0894.	0682. DEL AMO BLVD. & BELLFLOWER BLVD.
34-066	4250440	4051540	145	-1122.	0655. CARSON ST & BELLFLOWER BLVD
28-080	4250280	4046480	146	-1333.	0615. WARDLOW RD & BELLFLOWER BLVD
08-120	4250360	4040900	147	-1535.	0577. WILLOW ST & BELLFLOWER BLVD
26-071	4250560	4035520	148	-1707.	0545. ATHERTON ST & BELLFLOWER BLVD
24-070	4251500	4030700	149	-1819.	0540. 7TH ST & BELLFLOWER BLVD
47-065	4254660	4024440	150	-1879.	0591. PACIFIC COAST HWY & WESTMINISTER
26-070	4257080	4029620	151	-1649.	0709. 7TH ST & STUDEBAKER RD
26-100	4258140	4036060	152	-1411.	0803. S.D.FWY(405)OFFRAMP & STUDEBAKER
31-085	4258300	4043540	153	-1144.	0883. SPRING ST & STUDEBAKER RD
31-079	4255580	4047260	154	-1100.	0819. LOS COYOTES DIAG & PALO VERDE AV
45-054	4255580	4051520	155	-0927.	0855. CARSON ST & PALO VERDE AV
22-089	4255580	4056660	156	-0694.	0895. DEL AMO BLVD & PALO VERDE AV
10-116	4255460	4060540	157	-0513.	0914. SOUTH ST & PALO VERDE AV
22-086	4255400	4066280	158	-0246.	0935. ARTESIA BLVD & PALO VERDE AV
20-080	4242260	4077340	159	-0112.	0412. ROSECRANS BLVD & DOWNEY AV
05-111	4246440	4082160	160	0352.	0581. IMPERIAL HWY & LAKEWOOD BLVD
22-088	4244880	4072200	161	-0316.	0512. ALONDRA BLVD & LAKEWOOD BLVD
18-085	4245080	4061560	162	-0881.	0491. SOUTH ST & LAKEWOOD BLVD
35-062	4245040	4051420	163	-1348.	0442. CARSON ST & LAKEWOOD BLVD
10-106	4244880	4040780	164	-1759.	0377. WILLOW ST & LAKEWOOD BLVD
20-082	4242240	4041180	165	-1855.	0282. WILLOW ST & REDONDO AV
41-073	4242040	4030780	166	-2181.	0225. 7TH ST & REDONDO AV
31-088	4248720	4024500	167	-2091.	0409. 2ND ST & BAY SHORE DR
42-064	4237060	4026700	168	-2485.	0043. OCEAN BLVD & CHERRY AV
26-080	4237400	4035900	169	-2229.	0083. P.C.H. & CHERRY AVE
23-082	4237440	4046540	170	-1875.	0122. WARDLOW RD & CHERRY AV
35-070	4239640	4056760	171	-1349.	0248. DEL AMO BLVD & PARAMOUNT BLVD
18-096	4219740	4066760	172	-0841.	0286. ARTESIA BLVD & PARAMOUNT BLVD
40-056	4234240	4077440	173	-0451.	0088. ROSECRANS AV & ORANGE AV
08-112	4232680	4072040	174	-0864.	0009. ALONDRA BLVD & HUNSAKER RD
06-122	4231780	4066720	175	-1218.	-0043. ARTESIA BLVD & ATLANTIC AV
26-092	4232060	4061360	176	-1489.	-0048. SOUTH ST & ATLANTIC AV
43-064	4229440	4056580	177	-1850.	-0169. DEL AMO BLVD & LONG BEACH BLVD
23-088	4232020	4051100	178	-1955.	-0078. CARSON ST & ATLANTIC AV
29-062	4232100	4041260	179	-2302.	-0097. WILLOW ST & ATLANTIC AV
22-085	4229500	4035880	180	-2579.	-0201. P.C.H. & PACIFIC AVE
28-056	4222900	4035860	181	-2883.	-0440. P.C.H. & SANTA FE AVE
22-072	4232160	4030700	182	-2593.	-0113. 7TH ST & ATLANTIC AVE
26-085	4228120	4027680	183	-2832.	-0253. OCEAN BLVD & MAGNOLIA AVE
23-086	4215720	4024520	184	-3402.	-0653. OCEAN BLVD & T.I.FWY(47)

23-076	4209380	4021880	185	-3680.	-0833.	SEASIDE AVE. & MORMON ST
22-071	4205460	4017400	186	-3850.	-0915.	SEASIDE AVE & DOCK ST
26-076	4199400	4016460	187	-4050.	-1067.	9TH ST(S.P.) & GAFFEY ST.
- 9	4199300	4011140	188	-4061.	-1026.	25TH ST(S.P.) & GAFFEY ST.
20-091	4193100	4011660	189	-4228.	-1173.	25TH ST(S.P.) & WESTERN AV
32-080	4194140	4019120	190	-4204.	-1221.	1ST ST(S.P.) & WESTERN AV
18-073	4199340	4022840	191	-4037.	-1124.	CHANNEL ST & GAFFEY ST
26-082	4203480	4028780	192	-3857.	-1058.	B ST & FIGUEROA ST
22-079	4213740	4032600	193	-3373.	-0752.	ANAHEIM ST & ALAMEDA ST
26-095	4208520	4032280	194	-3612.	-0924.	ANAHEIM ST & AVALON BLVD
26-086	4204660	4036160	195	-3741.	-1079.	P.C.H. & WILMINGTON BLVD
26-090	4197820	4032940	196	-4060.	-1264.	ANAHEIM & NORMANDIE/P.V.DR N/GAF
38-058	4194700	4035840	197	-4173.	-1387.	P.C.H. & WESTERN AV
45-063	4187000	4036780	198	-4441.	-1603.	P.C.H. & CRENSHAW BLVD
42-074	4181660	4041280	199	-4601.	-1787.	P.C.H. & HAWTHORNE BLVD.
20-070	4175960	4044440	200	-4703.	-1931.	P.C. C OR
05-102	4171520	4046560	201	-4719.	-2008.	P.C.H. & AVE I
32-054	4171100	4053620	202	-4674.	-2092.	TORRANCE BLVD & P.C.H.
40-065	4173260	4059620	203	-4589.	-2127.	BERYL ST & FLAGLER LN.
45-056	4172220	4066060	204	-4263.	-2101.	ARTESIA BLVD & AVIATION BLVD
43-058	4167840	4071380	205	-3875.	-2056.	MANHATTAN BEACH BLVD & P.C.H.
47-060	4177020	4074000	206	-3662.	-1945.	COMPTON BLVD & S.D.FWY(405)
47-063	4183760	4074040	207	-3493.	-1821.	COMPTON BLVD & PRAIRIE AVE
38-060	4181200	4070540	208	-3892.	-1947.	ONRAMP S.D.FWY N(405)& HAWTHORNE
49-063	4181100	4065940	209	-4314.	-2044.	ARTESIA BLVD & HAWTHORNE BLVD
40-074	4180760	4060660	210	-4712.	-2125.	190TH ST & HAWTHORNE BLVD
32-061	4180780	4053160	211	-4688.	-2000.	TORRANCE BLVD & HAWTHORNE BLVD
34-070	4181460	4048780	212	-4647.	-1912.	SEPULVEDA BLVD & HAWTHORNE BLVD
40-062	4188380	4047460	213	-4414.	-1720.	SEPULVEDA BLVD & CRENSHAW BLVD
09-120	4188640	4041740	214	-4399.	-1638.	LOMITA BLVD & CRENSHAW BLVD
28-068	4188460	4052820	215	-4399.	-1792.	TORRANCE BLVD & CRENSHAW BLVD
42-063	4189000	4062860	216	-4115.	-1831.	S.D.FWY(405) & CRENSHAW BLVD
46-063	4194180	4071800	217	-3148.	-1535.	REDONDO BEACH BLVD & WESTERN AV
40-064	4204840	4076760	218	-2113.	-1081.	ROSECRANS AVE & MAIN ST
40-063	4211180	4077080	219	-1707.	-0834.	ROSECRANS AVE & CENTRAL AVE
35-064	4221000	4077180	220	-1137.	-0445.	ROSECRANS AVE & ALAMEDA ST
13-116	4231300	4083600	221	-0167.	-0012.	CENTURY BLVD & ATLANTIC AVE
34-064	4237160	4086820	222	0315.	0221.	IMPERIAL HWY & GARFIELD AVE
18-086	4224980	4089200	225	-0051.	-0232.	CENTURY BLVD & CALIFORNIA ST
18-070	4219780	4086520	226	-0520.	-0440.	IMPERIAL HWY & ALAMEDA ST
18-075	4215580	4081920	227	-1098.	-0629.	EL SEGUNDO BLVD & WILMINGTON AV
05-119	4215600	4091700	228	-0329.	-0557.	103RD ST & WILMINGTON AVE
22-082	4204920	4087160	229	-1285.	-0970.	IMPERIAL HWY & MAIN ST
47-064	4204320	4070780	230	-2570.	-1153.	ALONDRA BLVD & MAIN ST
35-072	4216160	4071780	231	-1770.	-0668.	ALONDRA BLVD & WILMINGTON AVE
39-072	4225220	4071940	232	-1250.	-0297.	ALONDRA BLVD & LONG BEACH BLVD
35-065	4222420	4066600	233	-1721.	-0432.	ARTESIA FWY(91) & ALAMEDA ST

10-099	4212720	4064040	234	-2434.	-0843.	VICTORIA ST & CENTRAL AVE
31-100	4207420	4064020	235	-2772.	-1063.	VICTORIA ST & AVALON BLVD
34-061	4199820	4066100	236	-3164.	-1367.	ARTESIA BLVD & VERMONT AVE
76-117	4194 0	4060760	237	-3828.	-1615.	190TH ST & WESTERN AVE
32-073	4207840	4056940	238	-3075.	-1857.	DEL AMO BLVD & AVALON BLVD
28-073	4224020	4056460	239	-2142.	-0392.	DEL AMO BLVD & SANTA FE AV
36-061	4222740	4048480	240	-2527.	-0452.	WARDLOW RD & SANTA FE AVE
38-062	4215620	4051020	241	-2828.	-0737.	CARSON ST & WESTERN AV
36-060	4208100	4051120	242	-3263.	-1037.	CARSON ST & AVALON AV
36-062	4200100	4051100	243	-3745.	-1350.	CARSON ST & VERMONT AV
42-073	4194320	4051100	244	-4089.	-1568.	CARSON ST & WESTERN AV
42-072	4197620	4046500	245	-3967.	-1407.	228TH ST & NORMANDIE AV
29-063	4204540	4046540	246	-3586.	-1154.	228TH ST & MAIN ST
43-056	4210660	4042660	247	-3336.	-0907.	SEPULVEDA BLVD & WILMINGTON AV
26-072	4217080	4042520	248	-3005.	-0666.	SEPULVEDA BLVD & ALAMEDA ST
45-058	4194800	4041440	249	-4149.	-1468.	242ND PL & WESTERN AVE
44-075	4205020	4109320	250	0514.	-0748.	SLAUSON AVE & MAIN ST
11-106	4210160	4113080	251	1269.	-0558.	VERNON AVE & CENTRAL AVE
13-102	4199620	4113920	252	0683.	-0836.	VERNON AVE & VERMONT AVE
13-106	4203100	4120440	253	1391.	-0691.	JEFFERSON BLVD & FIGUEROA ST
29-068	4212860	4056600	254	-2778.	-0850.	DEL AMO BLVD & CENTRAL AVE
06-117	4215320	4119780	255	2039.	-0379.	WASHINGTON BLVD & ALAMEDA ST
32-063	4266400	4097080	256	1783.	1215.	NORWALK BLVD & LOS NIETOS
39-075	4265950	4091430	257	1449.	1254.	NORWALK BLVD & T F R P

4266050 4094100 1607 1232 TRANSCON
 4280800 4071800 123 1977 GI

CARGO SECURITY FIELD TEST

FINAL REPORT

Volume III: Part 5

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November 1978

Prepared For
THE AEROSPACE CORPORATION

Contract No. J-LEAA-025-73



INFORMATION
IDENTIFICATION
INCORPORATED

53736
5 of 5

APPENDIX E

COMMUNICATION SURVEY

5 APRIL 1977

TEST DATA
CARGO SECURITY
FIELD TEST HARDWARE FABRICATION,
INSTALLATION, AND MAINTENANCE

Prepared For
THE AEROSPACE CORPORATION
In Response To
Cargo Security System Program
Contract #J-LEAA-025-73
Subcontract W-67852

Prepared by
HOFFMAN INFORMATION IDENTIFICATION INCORPORATED
Fort Worth, Texas

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SECTION I

INTRODUCTION

This report contains the data from the AM Phase lock evaluation and the data from the communications survey. It also contains additional amplification of the AM Phase lock evaluation.

The data contained herein are in the form of the raw data which appears in the appendix, plots of the AM Phase raw data which appear in Section II, and summaries of the data and conclusions which appear in both Sections II and III.

The major conclusions are:

- . The AM Phase measured grid matches the theoretical calculations.
- . The fields are stable and reproducible on different days or nights.
- . The short localized warps appear to cause less than 600 feet distortion to the accuracy.
- . The warp can be very sharp and very short and exhibit as much as 180° phase shift within a 20-foot span.
- . Station over-modulation distorts the carrier causing instantaneous phase noise which translates to as much as 70 feet instantaneous error.
- . The underlying field linearity and match to the theoretical grid was exhibited in the widely dispersed areas of Boyle Heights, Carson, East Los Angeles and El Monte. The warps shown in the plots of these areas also appear to be of less than 600 feet distortion.
- . Phase skips of 2π were occasionally exhibited by the breadboard unit when encountering rapid phase warps in low signal strength areas. The phase locked loops were made to respond faster to allow the unit to track through these rapid warps.
- . The communications survey indicated an overall throughput of 97% round trip transmission at a range of up to 21 miles from the base station.

SECTION II

AM PHASE TEST DATA AND ADDITIONAL EVALUATION

Section 2.0. Introduction

This section presents the AM Phase test data in the form of plots. The data is taken from four widely separated test areas in the Los Angeles Basin. A number of conclusions are drawn from the test data plots. In addition the redesigned AM Phase unit is discussed along with the reasons for the redesigned features.

Section 2.1. AM Phase Redesign

Figure 2.1 is the block diagram of the redesigned AM Phase vehicle unit. The unit takes one of the three frequencies (in this case the 1070 KHZ) and converts it, using crystal control, to 5.12 MHZ. Using various frequencies involved in this conversion process for local oscillators, all three frequencies are superheterodyned to a common 455 KHZ intermediate frequency. They are then linearly mixed to 5 KHZ where the phase detection is done using the 5.12 MHZ signal in a 12 bit counter.

The advantage of this approach over the old design is that the gain can be distributed across different frequencies and no parasitic feedback problems are encountered. This unit has a sensitivity of about $.1 \mu\text{v}$ as compared to $1 \mu\text{v}$ in the old design.

Section 2.2. AM Phase Test Data and Evaluation

This data was taken using a specially instrumented test vehicle. A Winnebago motor home was outfitted with the AM Phase breadboard, computer, cassette drive CRT, odometer and printer. At specified periods of time as determined by the computer clock or specified distance intervals as determined by the odometer the computer would interrogate the AM Phase unit, record the result on a cassette, and print the result on the printer. These raw data printouts are contained in the appendix. All data shown within this section is data taken at 10-foot

COMBINED AM - CB ANTENNA

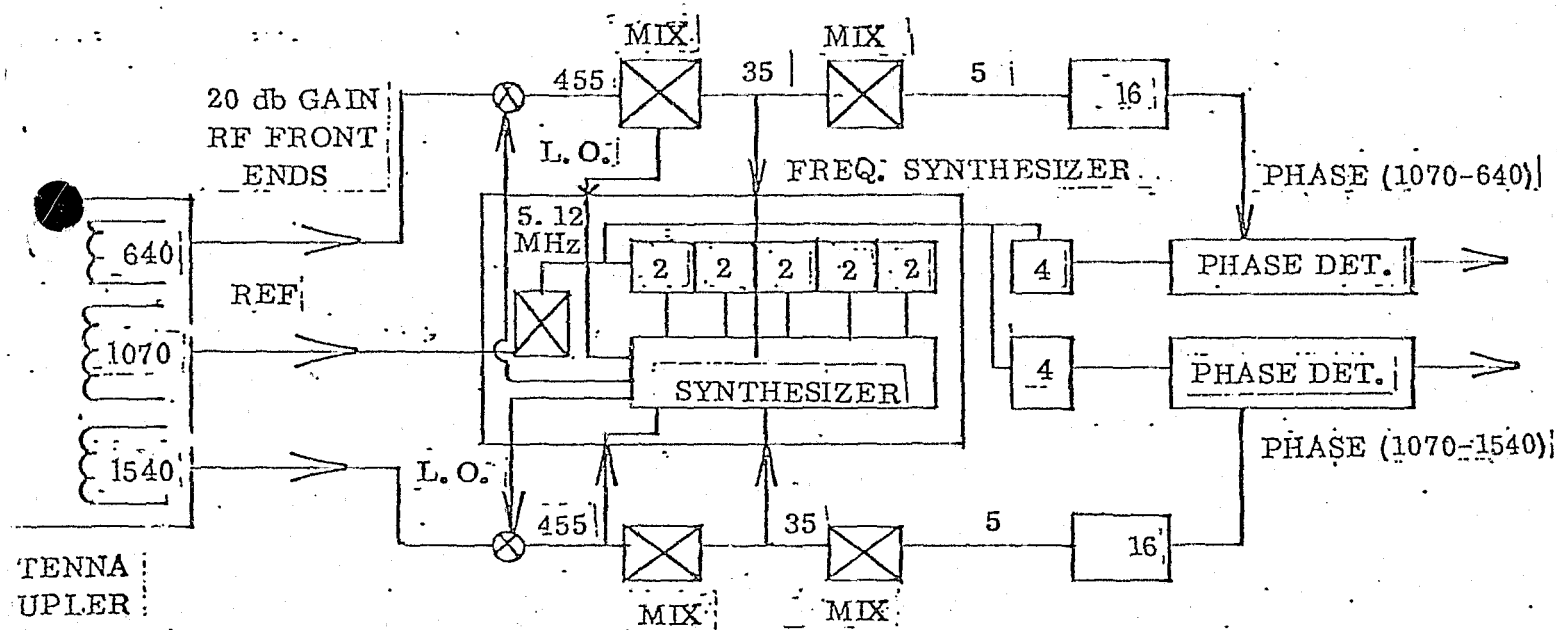


FIG. 2-1. AM PHASE RECEIVER REDESIGN

intervals. In some cases only one of every five data points is plotted if the data is linear between plot points. When a data point is missing it is because the unit was in a freeze condition at the instant of interrogation.

A prime objective of the data taken was to determine whether the measured fields (apart from localized warps) matched theoretical fields. The theoretical fields are calculated from these two expressions:

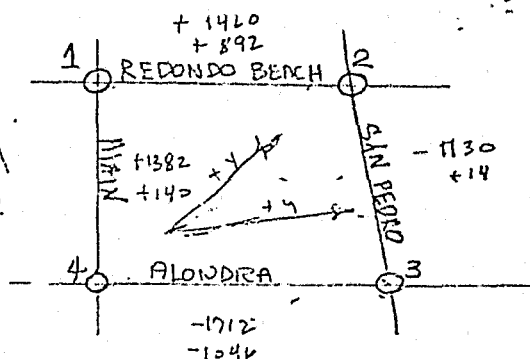
$$\phi_x = \frac{1}{\lambda_B} (d_a - d_B) = \frac{1}{\lambda_B} \left[\sqrt{(x_v - x_a)^2 + (y_v - y_a)^2} - \sqrt{(x_v - x_B)^2 + (y_v - y_B)^2} \right]$$

$$\phi_y = \frac{1}{\lambda_c} (d_a - d_B) = \frac{1}{\lambda_c} \left[\sqrt{(x_v - x_a)^2 + (y_v - y_a)^2} - \sqrt{(x_v - x_c)^2 + (y_v - y_c)^2} \right]$$

where ϕ_x is the line of position of the frequency pair 1070 KHZ - 640 KHZ, ϕ_y is the 1540 - 1070 pair, λ_B is the wave length of the 640 KHZ frequency. λ_c is the wave length of 1540 KHZ, d_a is the distance from the reference station (1070 KHZ) to the position of the Winnebago. d_b is the distance to the 640 KHZ station and d_c is the distance to the 1540 KHZ station and x's and y's are the orthogonal grid coordinates of the vehicles and stations from which the distances are computed.

On Figure 2.2 is shown a calculation example (where the x, y data is taken from the U. S. Geological survey maps) at the corner of Alondra and Main in the city of Carson. This is one corner of the test route consisting of Main Street, Redondo Beach, San Pedro and Alondra shown on the map in Figure 2.3. The remaining three calculated AM Phase coordinates for these intersections are also shown.

The plotted data as taken from the Winnebago is shown in Figures 2.4a and 2.4b. It can easily be shown that the theoretical fields deviate from linearity over the distances involved in this test by less than .05%. Thus the criterion of matching is met by a linear plot. Since we wish to exclude the effect of localized warps, the technique for laying in the linear line to the data is to find those



$$PT 1 = \begin{aligned} x &= 4204345 & PHIX1 &= -9511 \\ y &= 4073420 & PHIY1 &= -4523 \end{aligned}$$

$$d - PTA - PT1 = 72876$$

$$d - PTB - PT1 = 79731$$

$$d - PTC - PT1 = 25418$$

$$PT 2 = \begin{aligned} x &= 4207160 & PHIX2 &= -8781 \\ y &= 4073515 & PHIY2 &= -4077 \end{aligned}$$

$$d - PTA - PT2 = 71784$$

$$d - PTB - PT2 = 76927$$

$$d - PTC - PT2 = 27968$$

$$PTA = x = 4231520$$

$$y = 4141040$$

$$PTB = x = 4283940$$

$$4068750$$

$$PTC = x = 4181980$$

$$4061340$$

$$PT 3 = \begin{aligned} x &= 4207675 & PHIX3 &= -9346 \\ y &= 4070925 & PHIY3 &= -4070 \end{aligned}$$

$$PHIX = \frac{C - A}{4.989707}$$

$$d - PTA - PT3 = 74058$$

$$d - PTB - PT3 = 76296$$

$$d - PTC - PT3 = 27424$$

$$PHIY = \frac{C - B}{12.00648247}$$

$$PT 4 = \begin{aligned} x &= 4204440 & PHIX4 &= -10202 \\ y &= 4070800 & PHIY4 &= -4593 \end{aligned}$$

$$d - PTA - PT4 = 75279$$

$$d - PTB - PT4 = 79526$$

$$d - PTC - PT4 = 24370$$

FIG. 2.2. THEORETICAL CALCULATIONS IN CARSON

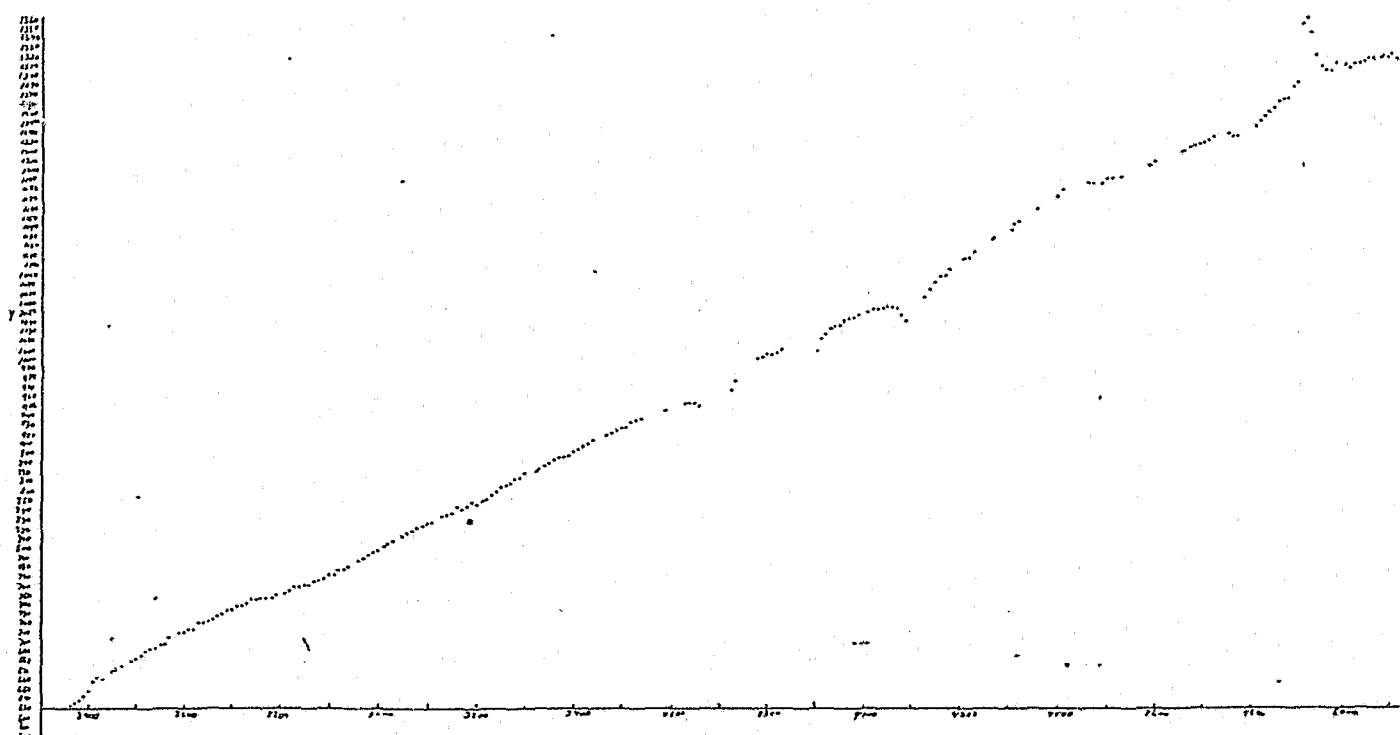
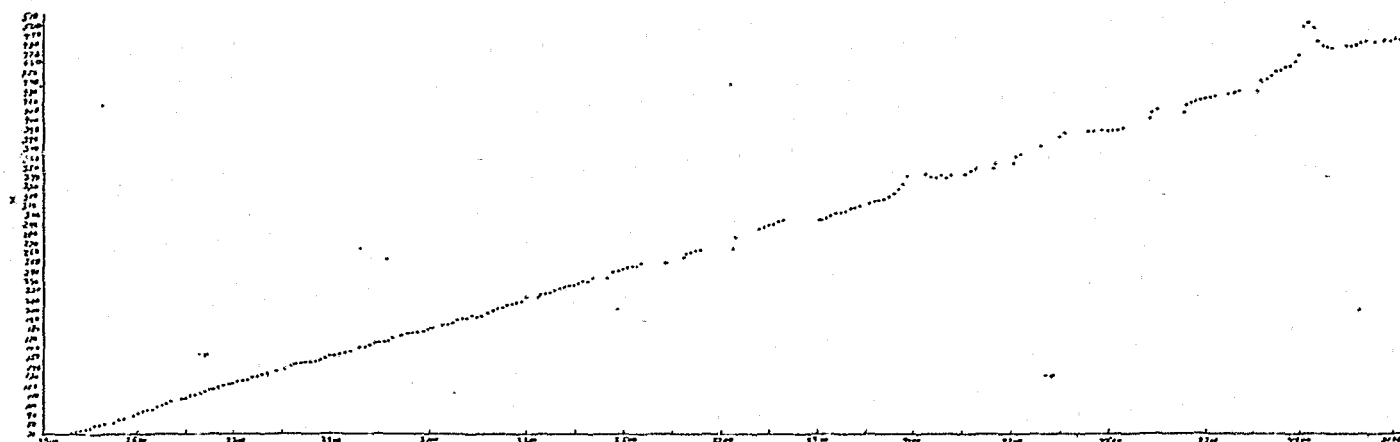
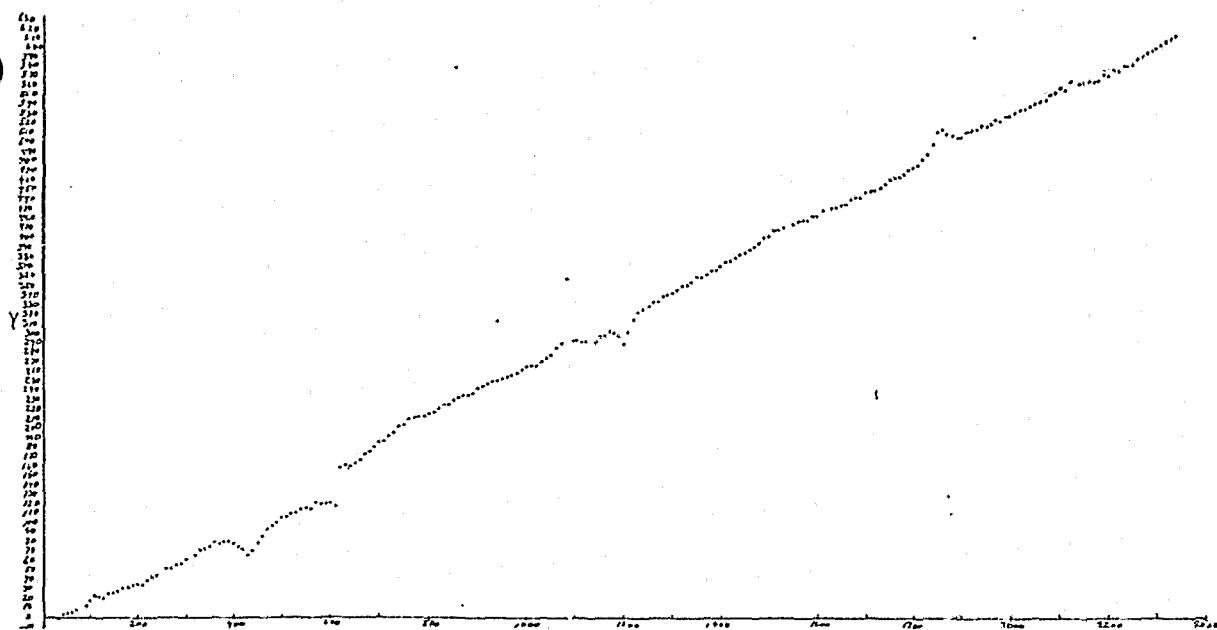
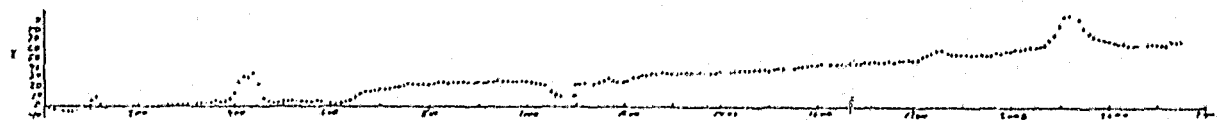


FIG. 2-4a MEASURED AM PHASE DATA IN CARSON

data segments which are linear (best done by eyeballing the data edge on to the paper) and connecting up these linear segments with one overall straight line. When this is done on all eight plots for the Carson run the accumulated phase differences between intersections compared to the difference in end points of the best estimate line are

	Main Street	Redondo Beach	San Pedro	Alondra
ϕ_x measured	150	900	8	1040
ϕ_x calculated	140	892	14	1046
Difference	10	8	-6	-6
ϕ_y measured	1386	1450	1130	1720
ϕ_y calculated	1382	1460	1130	1712
Difference	4	-10	0	8

This amounts to an exact fit of the AM Phase grid. The slight discrepancies are caused by odometer error, data fitting, map coordinate error, etc.

A similar technique was employed in an area in El Monte as shown in the map in Figure 2.5. Data was taken only at the intersections in this run, but the run was repeated many times. This, of course, means that the effect of any localized warp cannot be taken out of the test data. However, a comparison of the measured data with the theoretical data again shows that the theoretical grids coincide with the measured data. The conclusion to be drawn is that except for the effect of the localized warps the actual and theoretical AM Phase grids agree. This has the favorable implication that a location algorithm can be used using the theoretical equations presented earlier and solving for the x and y coordinates once the AM Phase coordinates have been given. The accuracy effect of these localized warps upon the computed x and y will be discussed later.

Route

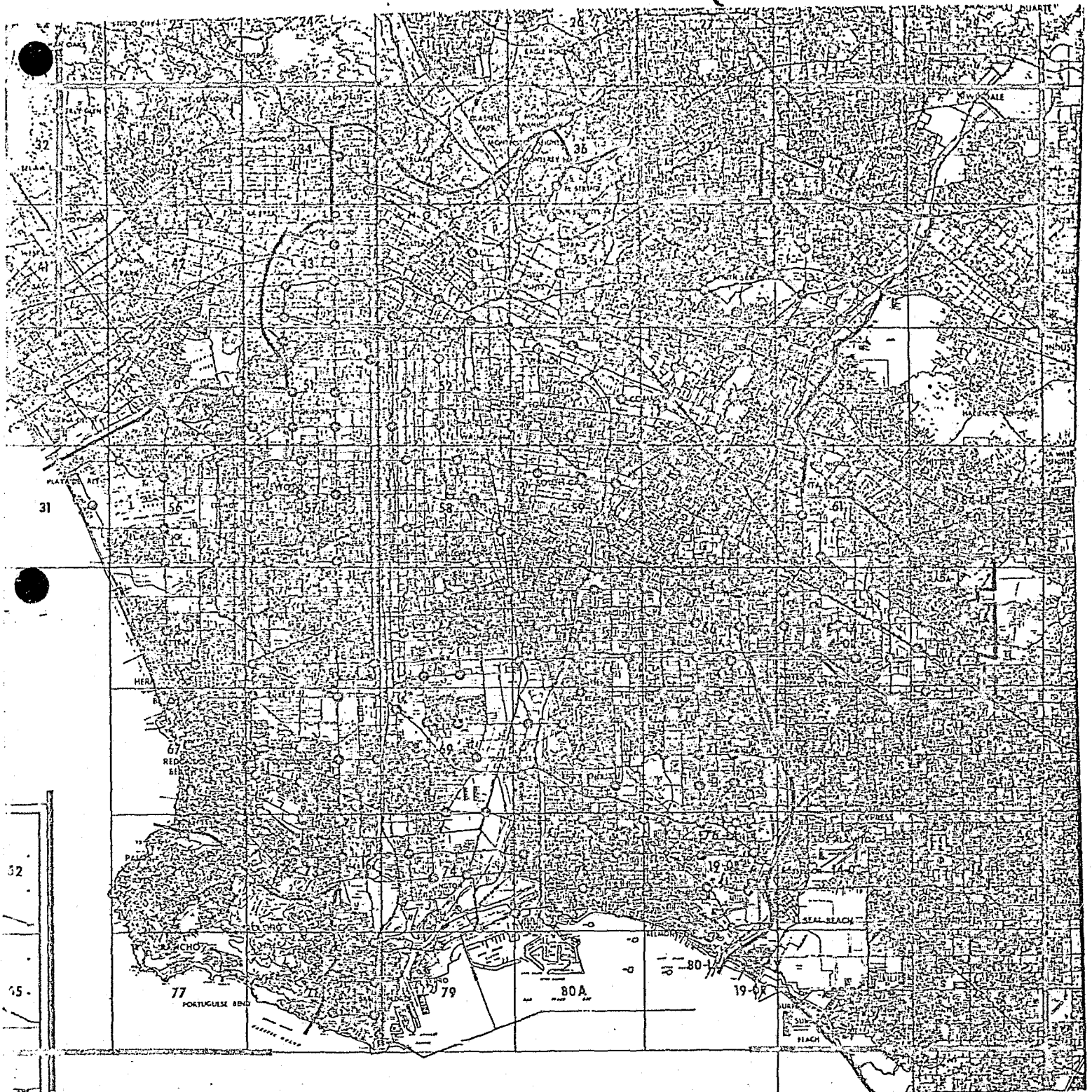


FIG. 2-5 ROUTE TAKEN IN EL MONTE

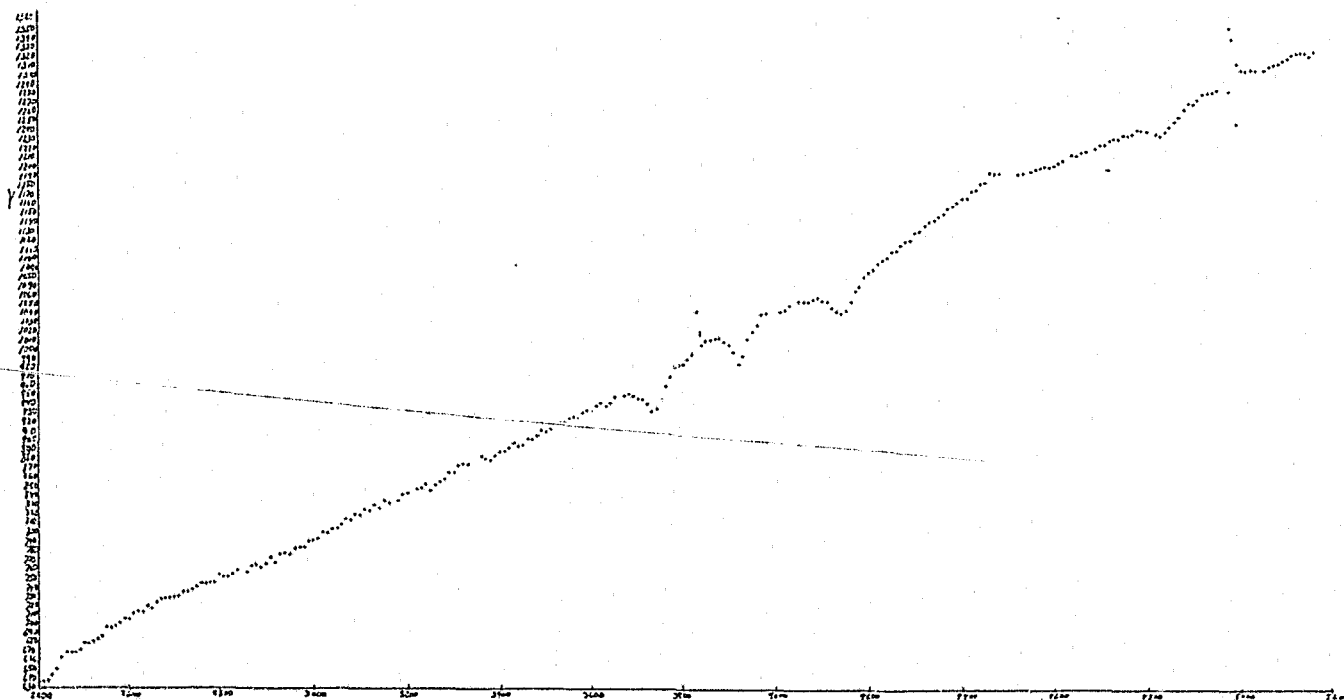
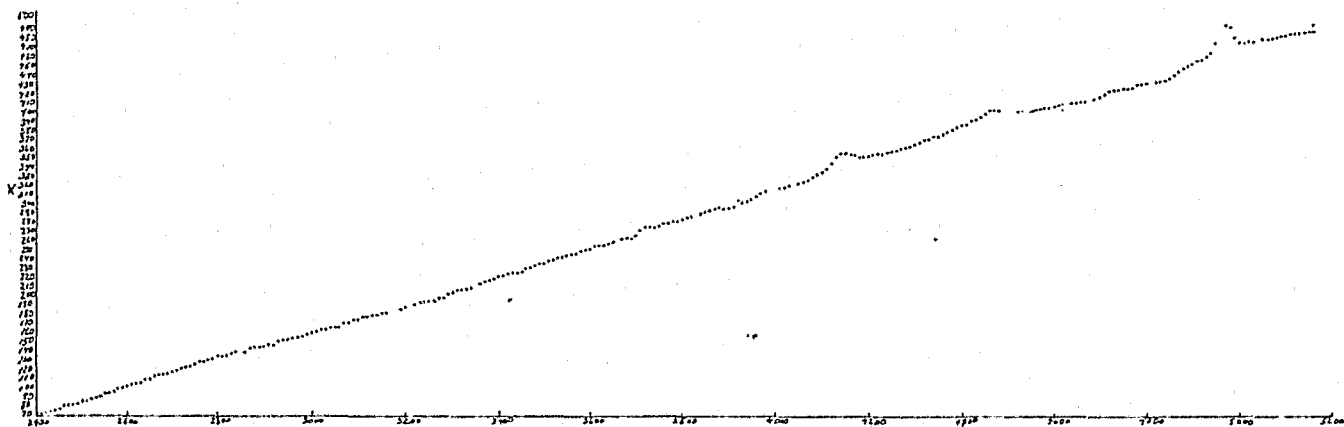
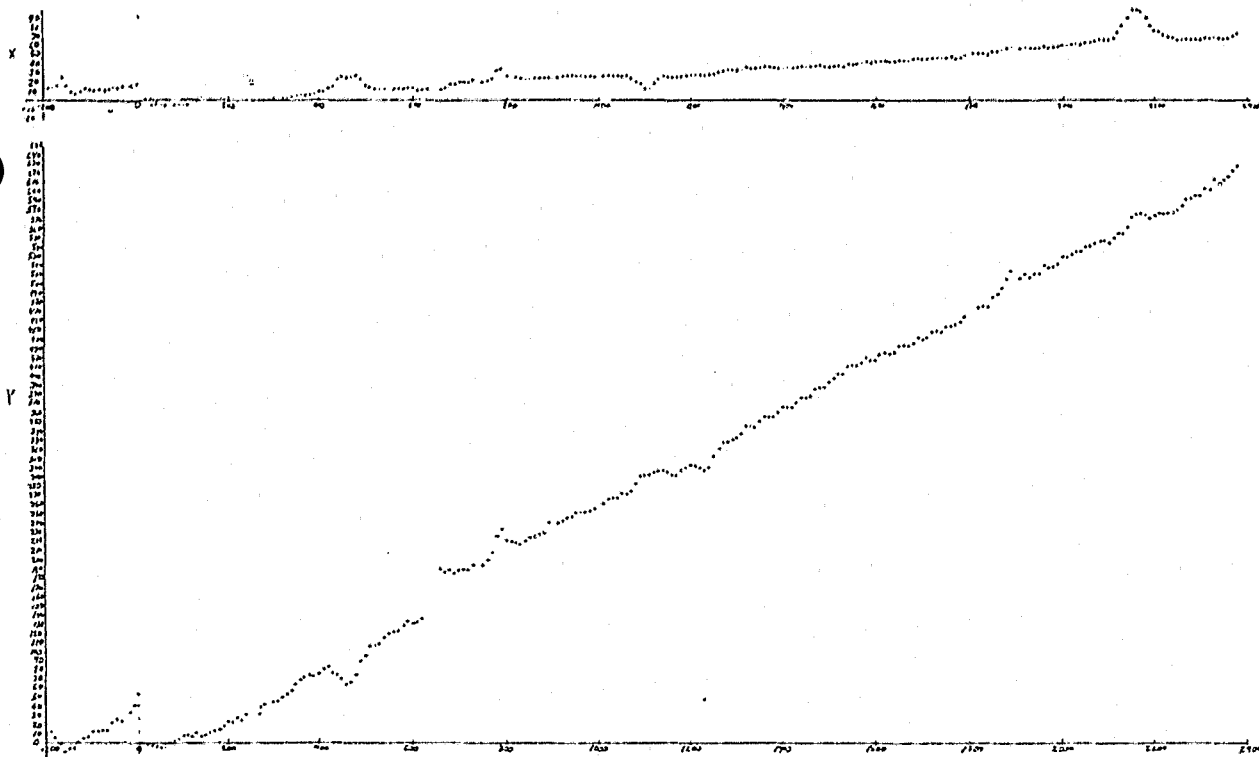


FIG. 2-6a SECOND CARSON RUN

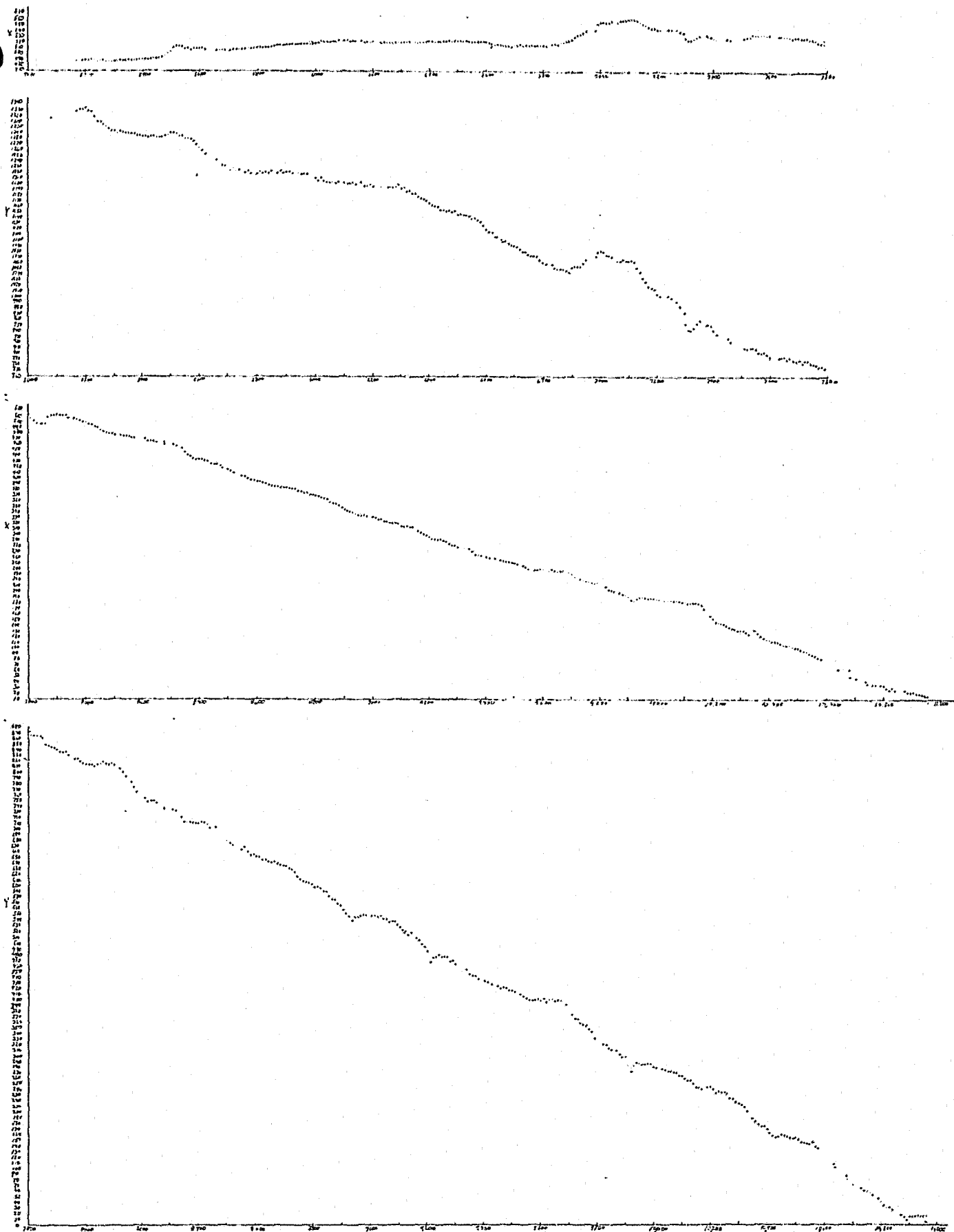


FIG. 2-6b SECOND CARSON RUN

To use such an algorithm, of course, requires that the measured fields be stable and reproducible. Figure 2.6 is a further plot of the Carson run done at night two weeks later. The comparison of these plots in Figures 2.4 and 2.6 shows that they are identical (except for the slight variation caused by traveling in different lanes of traffic). (The first few hundred feet have also been misplotted and should be plotted further negative to get rid of the plot offset). Thus, the conclusions to be drawn is that the measured AM Phase fields are stable and reproducible.

To measure the effect of localized warps upon the accuracy, the following technique was employed: The unit divides one RF cycle of phase into 128 counts or points. These are the counts that are plotted vertically in Figures 2.4 and 2.6. Thus, for ϕ_x , each count represents 12 feet when converted from phase to distance, and each count in ϕ_y represents 5 feet when converted. Thus, for ϕ_x , 600 feet is represented by 50 counts or ± 50 counts around the straight lines drawn on the plots. Six hundred feet in ϕ_x is represented by ± 120 counts around such a line. It is easily seen that on the Carson run no position errors of 600 feet are experienced. Estimating from the data it appears as though 300 feet, 95 percentile is experienced in the Carson area.

Some other observations to be drawn from this data are as follows: Telephone line induced warps have a distinctive shape to them. The warp in ϕ_x at 400 feet, 2100 feet, 4900 feet, etc., and in ϕ_y at 400 feet, 1200 feet, 1900 feet, 4100 feet and 4900 feet, are telephone line warps. Some warps are extremely short and sharp. This is best seen by the two warps at 3850 feet and 5000 feet in ϕ_y . In fact, the warp at 5000 feet goes through 180° of phase shift in less than 20 feet.

Another conclusion was that when the stations over-modulate their carrier they induce an FM onto the carrier which appears to the AM Phase unit as instantaneous phase noise. This can best be observed on the ϕ_x segment from 2500 to 3300 feet. There are no warps at all in that segment, yet the data is

Test Route



FIG. 2-7 TEST ROUTE IN NORTHERN LOS ANGELES

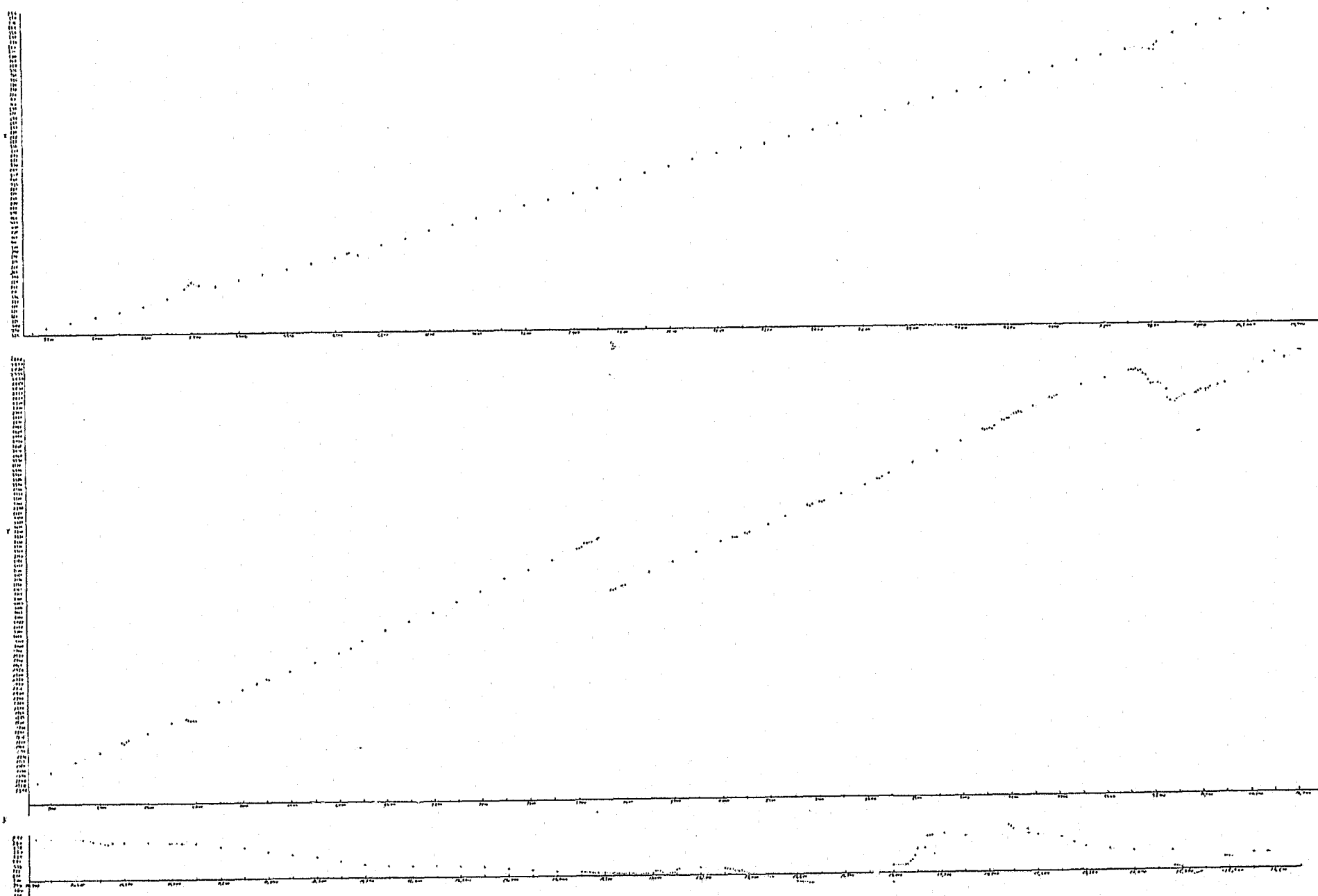


FIG. 2-8a TEST ROUTE IN BOYLE HEIGHTS

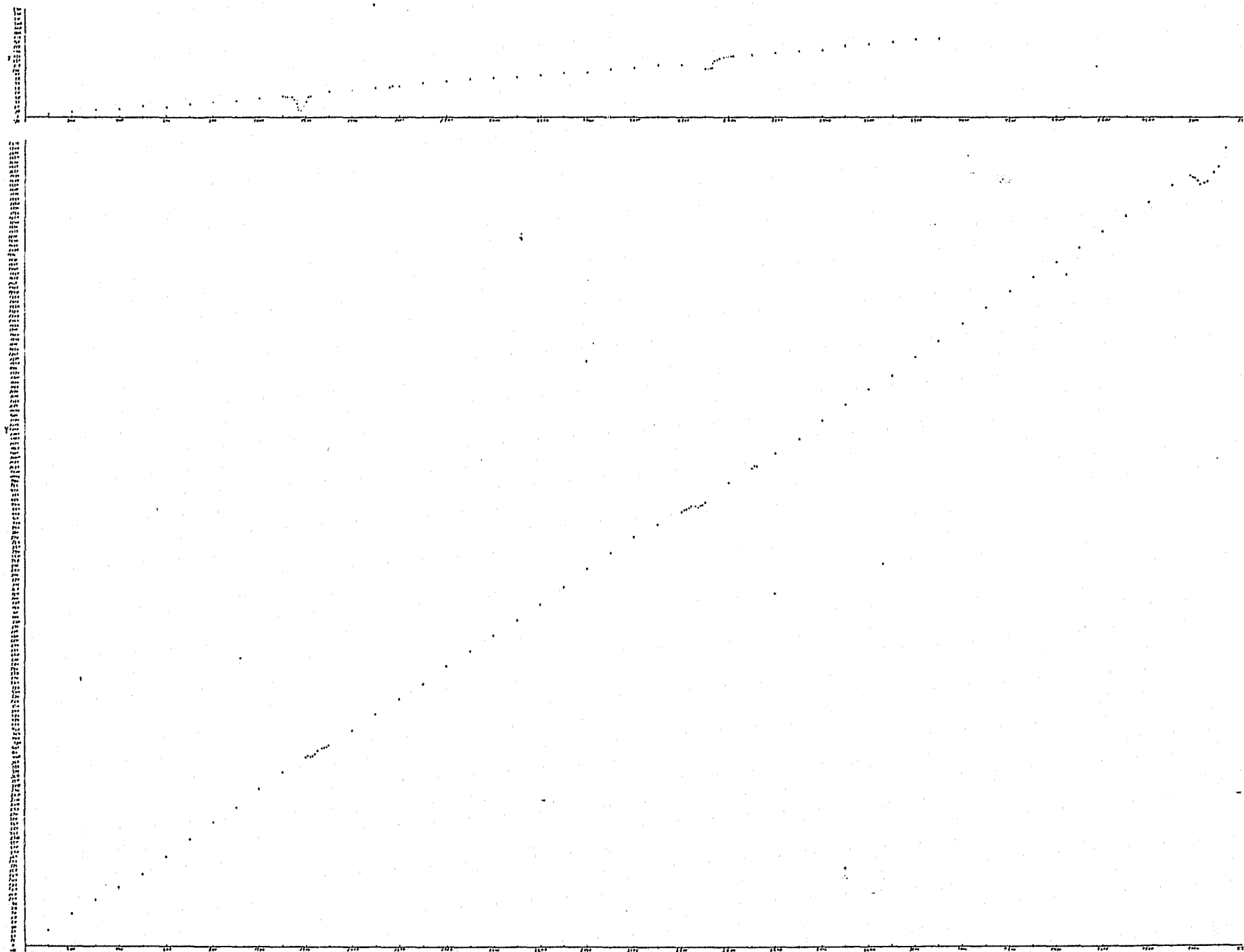


FIG. 2-8b TEST ROUTE IN BOYLE HEIGHTS

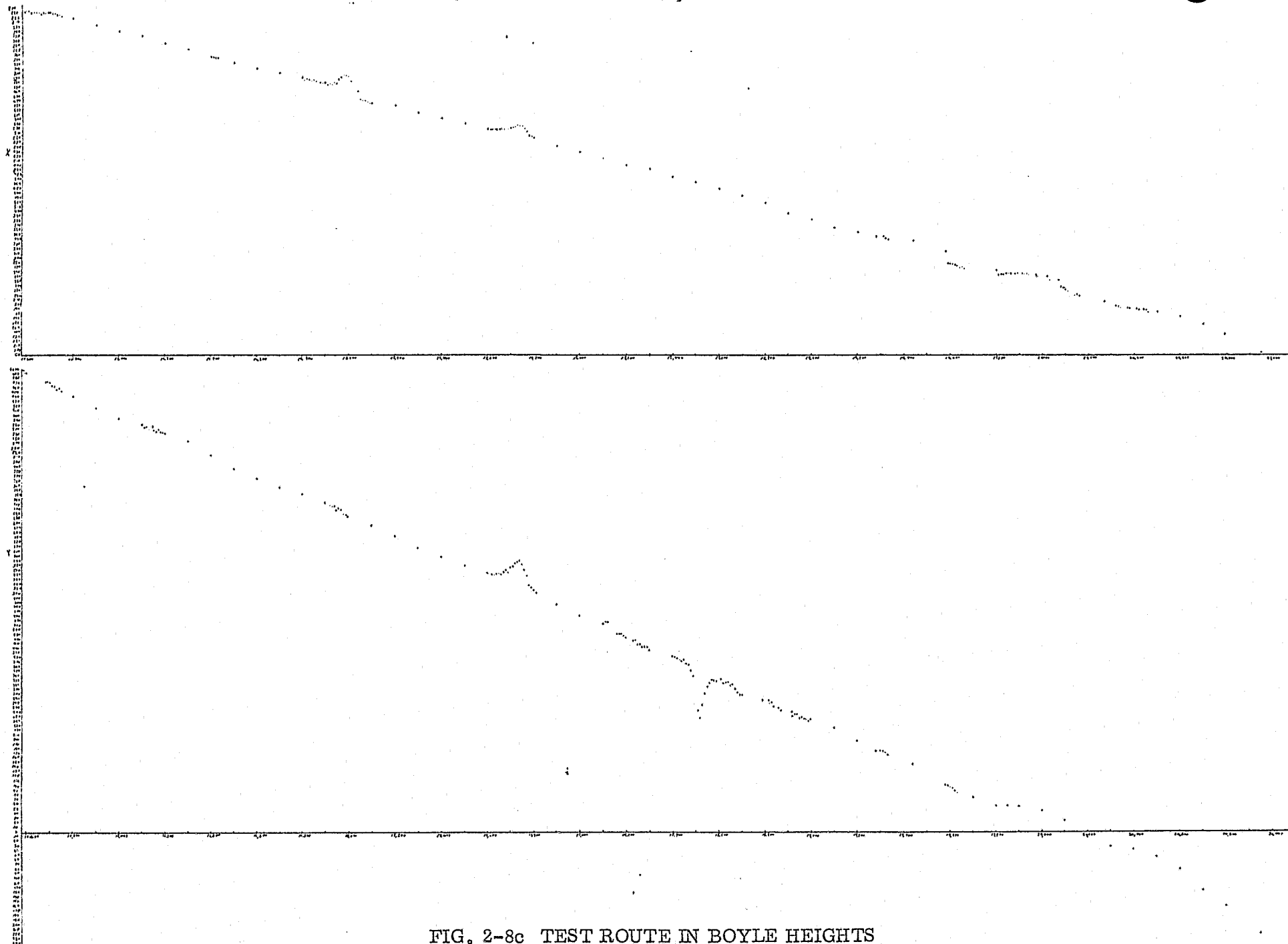


FIG. 2-8c TEST ROUTE IN BOYLE HEIGHTS

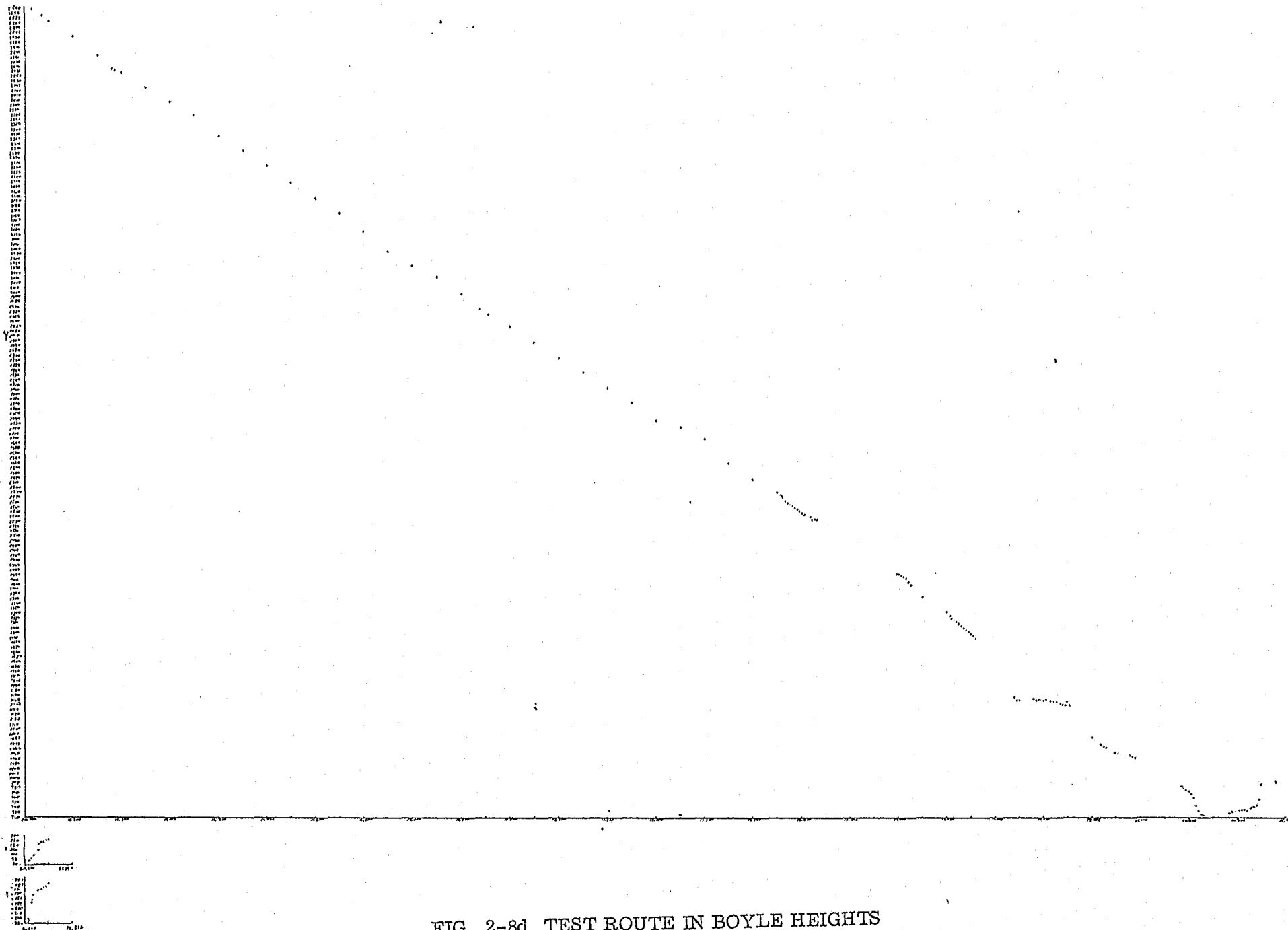


FIG. 2-9 TEST ROUTE IN EAST LOS ANGELES.



AT 15, 19.05

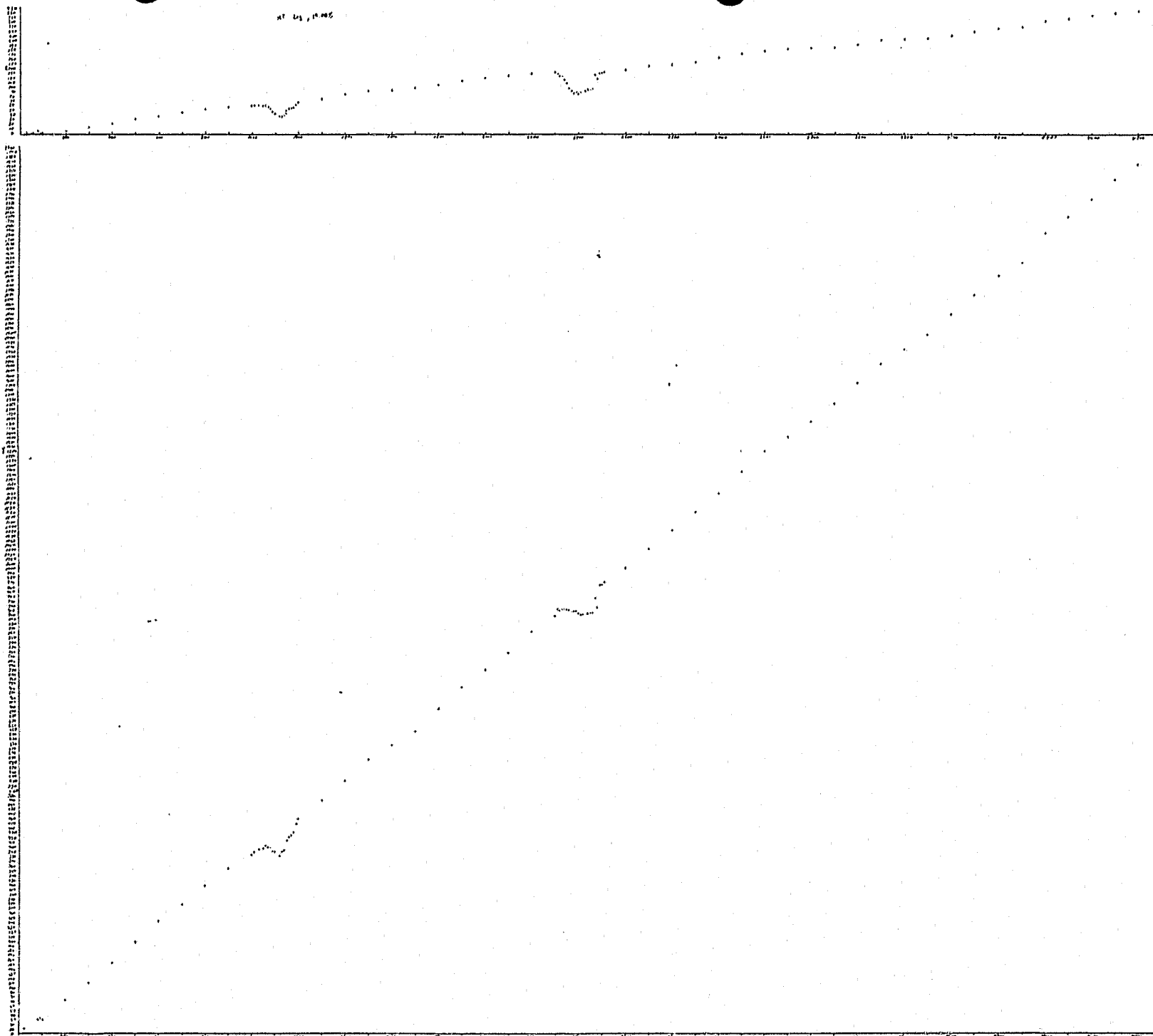


FIG. 2-10a TEST ROUTE IN EAST LOS ANGELES

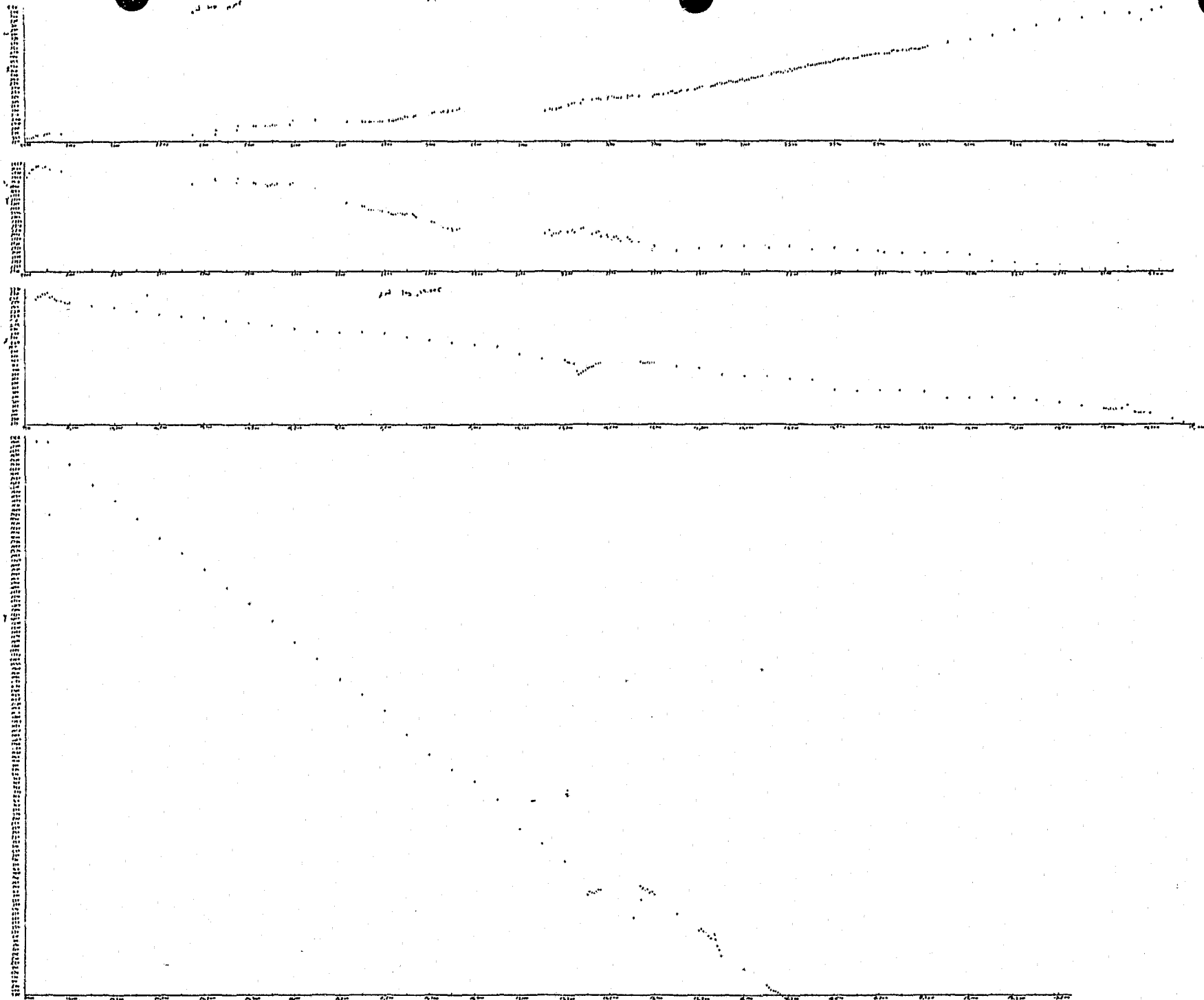


FIG. 2-10b TEST ROUTE IN EAST LOS ANGELES

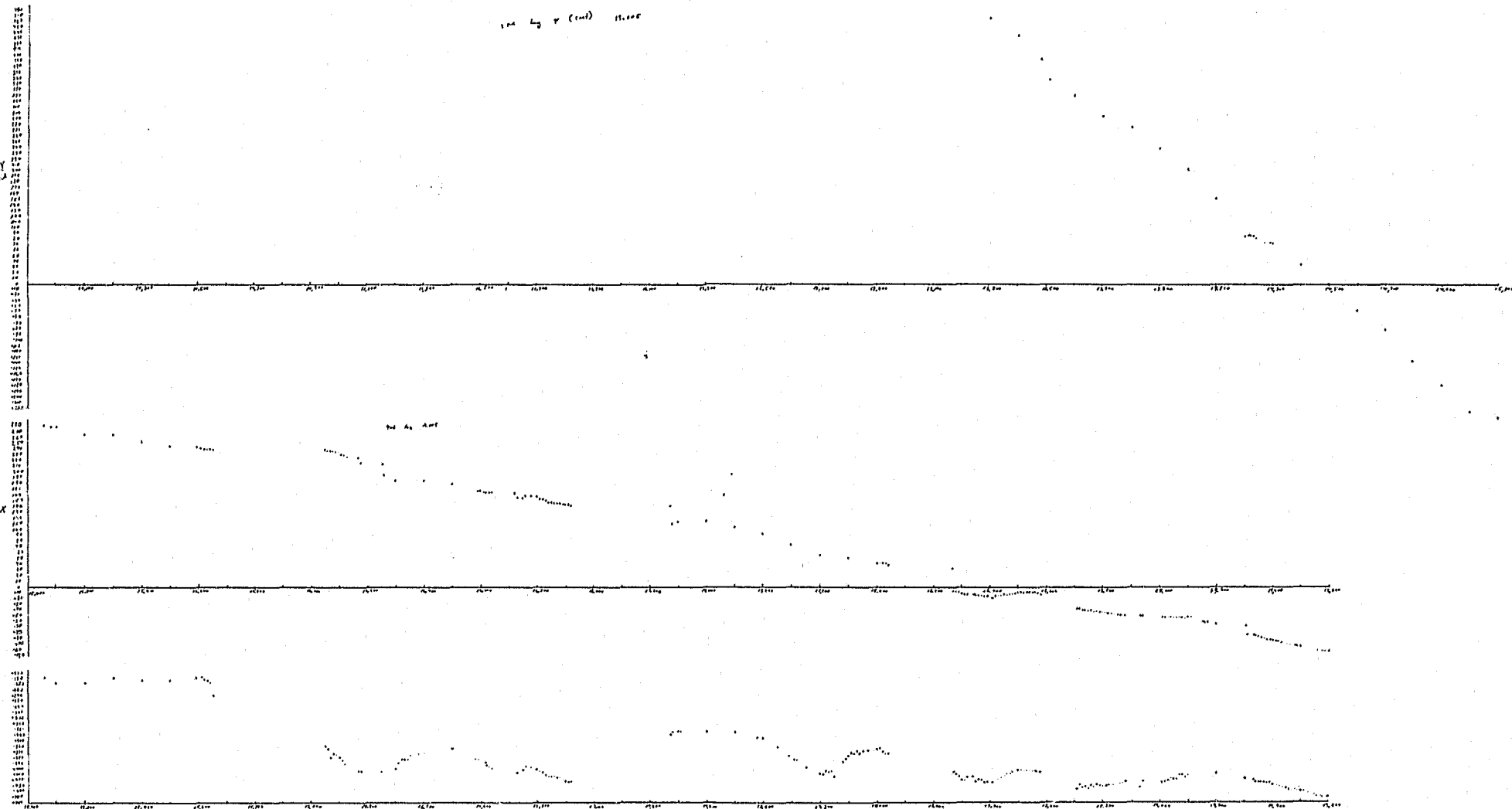


FIG. 2-10c TEST ROUTE IN EAST LOS ANGELES

not exactly a straight line. There are random deviations in the order of 2 to 6 counts (24 feet to 72 feet). These are caused by instantaneous FM distortion of the carrier.

Data was taken in other geographically dispersed areas of Los Angeles. Figure 2.7 shows a second run done in the test area along the streets Soto, Whittier, Brooklyn, and Lorena in Boyle Heights. Figures 2.8a, 2.8b, 2.8c and 2.8d is a plot of the AM Phase data in this region. Figure 2.9 is a map showing a third test area in the East Los Angeles area along the streets Atlantic, Beverly, Garfield and Whittier. Figures 2.10a, 2.10b and 2.10c is a plot of the AM Phase data from this run.

The conclusions to be drawn from these plots is that the basic underlying fields are linear and that the gradient matches the theoretical. Also the warps are relatively small and translate mostly less than 600 feet deviation from the linear. There is another feature to be observed in the Boyle Heights run. At about 7400 feet in ϕ_y , there is a 2π jump in the data. This data was taken with the breadboard AM Phase unit which was subject to occasional skipping of 2π increments when in a very low signal strength area and it encountered a short, sharp phase warp. The phase lock loops have been subsequently speeded up to greatly increase their response capability and eliminate this difficulty.

SECTION III

Communication coverage tests were conducted in the Los Angeles area. These tests utilized two 40-watt mobile MICOR radios. One was installed in a rental car with a 0 db gain antenna six feet above the ground. The second was installed atop the United California Bank Building 950 feet ASL in downtown Los Angeles. Both up link and down link were in the UHF region at the approximate frequency to be used for the Cargo Security System.

The tests involved full round trip transmission of 64 bits of digital data at a rate of 1500 bits per second. These again are the conditions to be used in the Cargo Security System.

Figure 3.1 is a map of the test area and the route followed during a portion of these tests. Portions of these communication tests were taken during daylight hours and portions were taken at night on two separate days.

The Los Angeles Canyon area was tested out to a radial distance of two miles from the transmitter and exhibited 100% two way throughput. The run was then extended 12 miles to the Transcon truck yard, partly on surface streets and partly on freeway, and exhibited a two way throughput of 98%. Data was taken all over the Transcon yard, even with direct blockage of the metal loading dock and it exhibited 100% two way throughput. There is a co-channel user at the Hoffman UHF experimental frequency (Bekins Van and Storage) and on occasion, his voice transmissions clobbered the data. These are not true misses and are deleted from the throughput statistics.

Data was then taken on a run to the furthest extremity of the test area near Seal Beach, 21 miles from the transmitter. It exhibited 99% throughput on the way there and 100% at the extremity. A deliberate attempt was made to block the signal using Signal Hill. The overall data behind Signal Hill exhibited 97% throughput although there was a 300-foot region directly on the reverse slope midway where the throughput dropped to 50%.

The overall results showed that there were a total of 18 missed two way transmissions out of 1200 attempted for an overall coverage of 98.5% two way

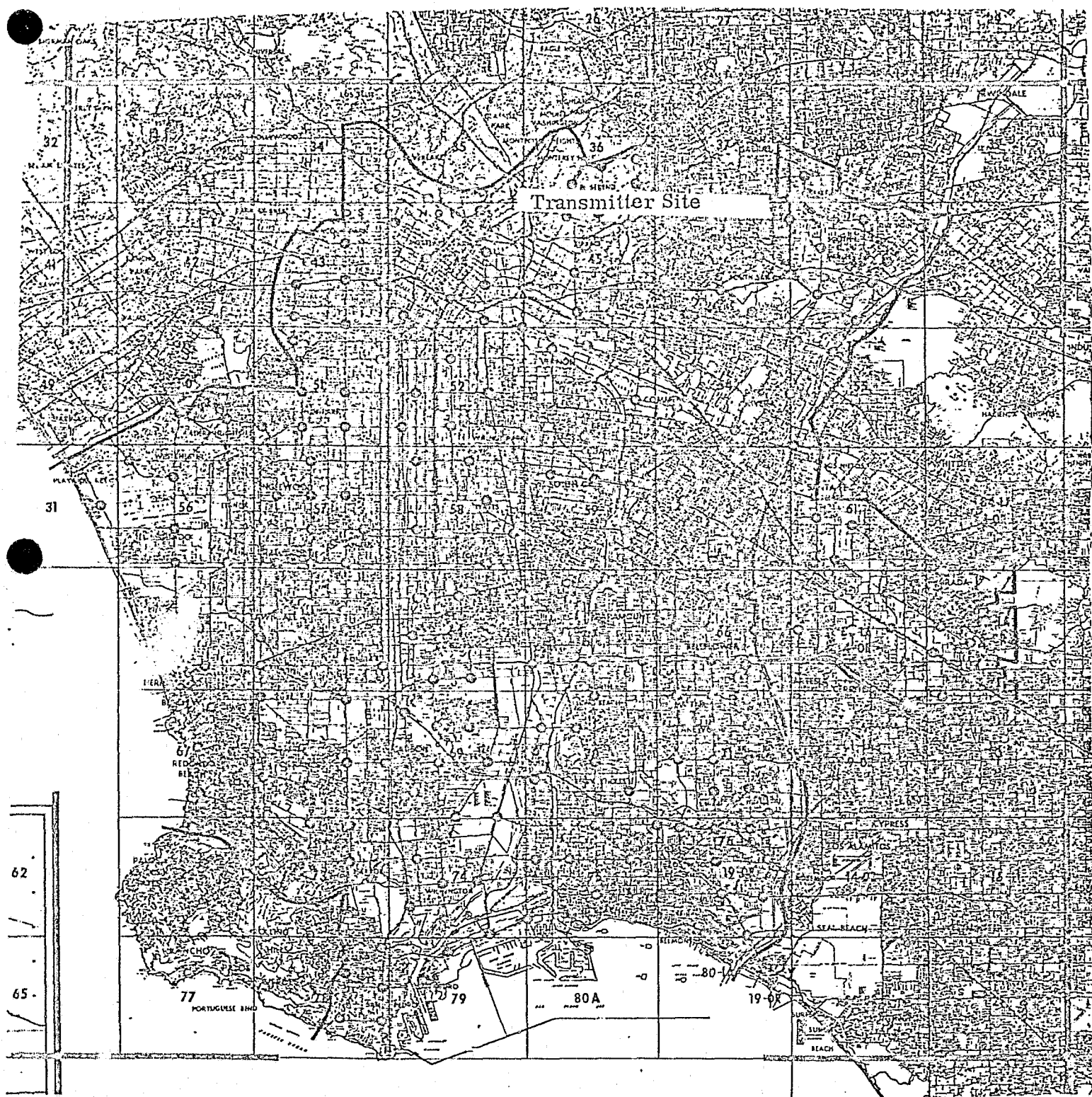


FIG. 3-1 COMMUNICATION TEST ROUTE

or 99.3% one way. The misses appeared at random geographic locations and were equally distributed between up link and down link.

The conclusion to be drawn from this test survey is that there should be little difficulty in meeting the requirements of the Cargo Security field tests.

A P P E N D I X

FIG. 4.1. FIRST CARSON RUN PRINTOUTS

CARGO SECURITY FIELD TEST PROGRAM

AM PHASE TESTING AND MAPPING

THE RUN START TIME IS - 08:50:56

THE OPERATOR NAME IS - G. W. WOLF

THE ENTERED DATE IS 19-FEB-77

THE POLLING RATE IS - 9

PHIXT	PHIXA	ERROR	PHIYT	PHIYA	ERROR	DIST.	XLA	XSUB	YLA	YSUB	SPL
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RUN STARTED AT -

HHMMSS

-5-70

-1-25

RUN START EXECUTED AT - 08:51:11

031873	000808	032681	008656	-00535	-08121	000000	110	0101000	011	1101001	X
031873	000000	031873	008656	000002	-08658	000000	000	0000000	000	0000010	X
031873	-00002	031871	008659	-00001	-08658	000010	111	1111110	111	1111111	X
031873	-00004	031869	008662	-00001	-08661	000020	111	1111100	111	1111111	X
031873	-00005	031868	008666	-00001	-08665	000030	111	1111011	111	1111111	X
031873	-00005	031868	008669	000002	-08671	000040	111	1111011	000	0000010	X
031873	-00005	031868	008673	000003	-08676	000050	111	1111011	000	0000011	X
031873	-00005	031868	008676	000004	-08680	000060	111	1111011	000	0000100	X
031874	-00004	031870	008680	000008	-08688	000070	111	1111100	000	0001000	X
031874	-00001	031873	008687	000012	-08699	000090	111	1111111	000	0001100	X
031874	000006	031880	008690	000018	-08708	000100	000	0000110	000	0010010	X
031874	000010	031884	008694	000024	-08718	000110	000	0001010	000	0011000	X
031874	000003	031877	008697	000022	-08719	000120	000	0000011	000	0010110	X
031766	-00001	031765	006350	000020	-06370	026085	111	1111111	000	0010100	X
031875	000000	031875	008704	000025	-08729	000140	000	0000000	000	0011001	X
031875	000000	031875	008707	000026	-08733	000150	000	0000000	000	0011010	X
031875	000000	031875	008711	000028	-08739	000160	000	0000000	000	0011100	X
031875	000000	031875	008714	000030	-08744	000170	000	0000000	000	0011110	X
031875	000000	031875	008718	000031	-08749	000180	000	0000000	000	0011111	X
031875	000000	031875	008721	000033	-08754	000190	000	0000000	000	0100001	X
031876	000000	031876	008725	000035	-08760	000200	000	0000000	000	0100011	X
031876	000000	031876	008728	000034	-08762	000210	000	0000000	000	0100010	X
031876	000000	031876	008731	000039	-08770	000220	000	0000000	000	0100111	X
031876	000001	031877	008735	000043	-08778	000230	000	0000001	000	0101011	X
031876	000001	031877	008738	000045	-08783	000240	000	0000001	000	0101101	X
031876	000003	031879	008745	000052	-08797	000260	000	0000011	000	0110100	X
031877	000001	031878	008749	000051	-08800	000270	000	0000001	000	0110011	X
031877	000002	031879	008752	000055	-08807	000280	000	0000010	000	0110111	X
031877	000002	031879	008756	000057	-08813	000290	000	0000010	000	0111001	X
031766	000002	031768	006350	000061	-06411	026085	000	0000010	000	0111101	X
031850	000005	031885	008818	000093	-08911	000470	000	0000101	000	1011101	X
031877	000003	031880	008766	000066	-08832	000320	000	0000011	000	1000010	X
031878	000004	031882	008769	000071	-08840	000330	000	0000100	000	1000111	X
031878	000004	031882	008773	000072	-08845	000340	000	0000100	000	1001000	X
031878	000004	031882	008776	000075	-08851	000350	000	0000100	000	1001011	X
031878	000006	031884	008780	000079	-08859	000360	000	0000110	000	1001111	X

031879	000008	031886	008790	000080	-08870	000390	000	0001000	000	1010000	X
0318	000013	031892	008794	000078	-08872	000400	000	0001101	000	1001110	X
031879	000026	031905	008797	000075	-08872	000410	000	0011010	000	1001011	X
031879	000030	031909	008800	000071	-08871	000420	000	0011110	000	1000111	X
031879	000029	031908	008804	000065	-08869	000430	000	0011101	000	1000001	X
031879	000033	031912	008807	000070	-08877	000440	000	0100001	000	1000110	X
031879	000022	031901	008811	000078	-08889	000450	000	0010110	000	1001110	X
031866	000008	031774	006350	000086	-06436	026085	000	0001000	000	1010110	X
031880	000005	031885	008818	000093	-08911	000470	000	0000101	000	1011101	X
031880	000004	031884	008821	000097	-08918	000480	000	0000100	000	1100001	X
031820	000004	031884	008825	000099	-08924	000490	000	0000100	000	1100011	X
031880	000005	031885	008828	000105	-08933	000500	000	0000101	000	1101001	X
031880	000004	031884	008831	000106	-08937	000510	000	0000100	000	1101010	X
031820	000005	031885	008835	000109	-08944	000520	000	0000101	000	1101101	X
031821	000005	031886	008838	000110	-08948	000530	000	0000101	000	1101110	X
031821	000005	031886	008842	000113	-08953	000540	000	0000101	000	1110001	X
031821	000005	031886	008845	000115	-08960	000550	000	0000101	000	1110011	X
031821	000004	031885	008849	000113	-08962	000560	000	0000100	000	1110001	X
031821	000006	031887	008852	000121	-08973	000570	000	0000110	000	1111001	X
031821	000005	031886	008856	000119	-08975	000580	000	0000101	000	1110111	X
031821	000003	031884	008859	000119	-08978	000590	000	0000011	000	1110111	X
031822	000002	031884	008862	000120	-08982	000600	000	0000010	000	1111000	X
031822	000001	031883	008866	000117	-08983	000610	000	0000001	000	1110101	X
031766	000002	031768	006350	000158	-06508	026085	000	0000010	001	0011110	X
031882	000004	031886	008873	000161	-09034	000630	000	0000100	001	0100001	X
031882	000006	031888	008876	000159	-09035	000640	000	0000110	001	0011111	X
031882	000009	031891	008880	000162	-09042	000650	000	0001001	001	0100010	X
031883	000012	031895	008883	000166	-09049	000660	000	0001100	001	0100110	X
031883	000014	031897	008887	000172	-09059	000670	000	0001110	001	0101100	X
031823	000014	031897	008890	000175	-09065	000680	000	0001110	001	0101111	X
031883	000016	031899	008894	000179	-09073	000690	000	0010000	001	0110011	X
031883	000017	031900	008897	000184	-09081	000700	000	0010001	001	0111000	X
031883	000017	031900	008900	000186	-09086	000710	000	0010001	001	0111010	X
031883	000018	031901	008904	000191	-09095	000720	000	0010010	001	0111111	X
031884	000019	031903	008907	000195	-09102	000730	000	0010011	001	1000011	X
031884	000020	031904	008911	000201	-09112	000740	000	0010100	001	1001001	X
031884	000021	031905	008914	000203	-09117	000750	000	0010101	001	1001011	X
031884	000023	031907	008918	000209	-09127	000760	000	0010111	001	1010001	X
031884	000022	031906	008921	000210	-09131	000770	000	0010110	001	1010010	X
031766	000022	031788	006350	000211	-06561	026085	000	0010110	001	1010011	X
031825	000022	031907	008928	000212	-09140	000790	000	0010110	001	1010100	X
031825	000022	031907	008931	000215	-09146	000800	000	0010110	001	1010111	X
031825	000022	031907	008935	000217	-09152	000810	000	0010110	001	1011001	X
031825	000023	031908	008938	000220	-09158	000820	000	0010111	001	1011100	X
031825	000023	031908	008942	000223	-09165	000830	000	0010111	001	1011111	X
031825	000022	031907	008945	000224	-09169	000840	000	0010110	001	1100000	X
031825	000024	031909	008949	000228	-09177	000850	000	0011000	001	1100100	X
031826	000024	031910	008952	000231	-09183	000860	000	0011000	001	1100111	X
031826	000024	031910	008956	000233	-09189	000870	000	0011000	001	1101001	X
031826	000024	031910	008959	000234	-09193	000880	000	0011000	001	1101010	X
031826	000024	031910	008962	000237	-09199	000890	000	0011000	001	1101101	X
031826	000025	031911	008966	000241	-09207	000900	000	0011001	001	1110001	X
031826	000025	031911	008969	000243	-09212	000910	000	0011001	001	1110011	X
031826	000025	031911	008973	000246	-09219	000920	000	0011001	001	1110110	X
031827	000025	031912	008976	000248	-09224	000930	000	0011001	001	1111000	X
031766	000026	031792	006350	000249	-06599	026085	000	0011010	001	1111001	X
031827	000025	031912	008983	000251	-09234	000950	000	0011001	001	1111011	X
031827	000026	031913	008986	000254	-09240	000960	000	0011010	001	1111110	X
031827	000026	031913	008990	000256	-09246	000970	000	0011010	010	0000000	X
031827	000026	031913	008993	000258	-09251	000980	000	0011010	010	0000010	X
031827	000026	031913	008997	24 61	-09258	000990	000	0011010	010	0000101	X
031828	000026	031914	009000	000264	-09264	001000	000	0011010	010	0001000	X
031828	000025	031913	009004	000265	-09269	001010	000	0011001	010	0001001	X
031828	000024	031912	009007	000265	-09272	001020	000	0011000	010	0001001	X

031798	000016	031904	009017	000277	-09294	001050	000	0010000	010	0010101	X	
031	9	000012	031901	009021	000283	-09304	001060	000	0001100	010	0011011	X
031889	000010	031899	009024	000288	-09312	001070	000	0001010	010	0100000	X	
031889	000011	031900	009034	000291	-09325	001098	000	0001011	010	0100011	X	
031889	000023	031912	009035	000291	-09326	001100	000	0010111	010	0100011	X	
031766	000024	031790	006350	000290	-06640	026085	000	0011000	010	0100010	X	
1889	000025	031914	009042	000290	-09332	001120	000	0011001	010	0100010	X	
890	000024	031914	009048	000290	-09338	001140	000	0011000	010	0100010	X	
031890	000025	031915	009052	000295	-09347	001150	000	0011001	010	0100111	X	
031890	000027	031917	009055	000297	-09352	001160	000	0011011	010	0101001	X	
031890	000029	031919	009059	000300	-09359	001170	000	0011101	010	0101100	X	
031890	000027	031917	009062	000299	-09361	001180	000	0011011	010	0101011	X	
031890	000026	031916	009066	000296	-09362	001190	000	0011010	010	0101000	X	
031891	000025	031916	009069	000288	-09357	001200	000	0011001	010	0100000	X	
031891	000027	031918	009073	000300	-09373	001210	000	0011011	010	0101100	X	
031891	000030	031921	009076	000314	-09390	001220	000	0011110	010	0111010	X	
031891	000031	031922	009079	000321	-09400	001230	000	0011111	010	1000001	X	
031891	000032	031923	009083	000325	-09408	001240	000	0100000	010	1000101	X	
031891	000032	031923	009086	000328	-09414	001250	000	0100000	010	1001000	X	
031892	000033	031925	009090	000332	-09422	001260	000	0100001	010	1001100	X	
031892	000032	031924	009093	000332	-09425	001270	000	0100000	010	1001100	X	
031766	000033	031799	006350	000338	-06688	026085	000	0100001	010	1010010	X	
031892	000034	031926	009100	000339	-09439	001290	000	0100010	010	1010011	X	
031892	000034	031926	009104	000342	-09446	001300	000	0100010	010	1010110	X	
031892	000034	031926	009107	000345	-09452	001310	000	0100010	010	1011001	X	
031892	000035	031927	009110	000349	-09459	001320	000	0100011	010	1011101	X	
031893	000035	031928	009114	000350	-09464	001330	000	0100011	010	1011110	X	
031893	000035	031928	009117	000353	-09470	001340	000	0100011	010	1100001	X	
031893	000036	031929	009121	000359	-09480	001350	000	0100100	010	1100111	X	
031893	000036	031929	009124	000358	-09482	001360	000	0100100	010	1100110	X	
893	000036	031929	009128	000361	-09489	001370	000	0100100	010	1101001	X	
1893	000036	031929	009131	000365	-09496	001380	000	0100100	010	1101101	X	
031893	000036	031929	009135	000367	-09502	001390	000	0100100	010	1101111	X	
031894	000037	031931	009138	000370	-09508	001400	000	0100101	010	1110010	X	
031894	000038	031932	009141	000375	-09516	001410	000	0100110	010	1110111	X	
031894	000037	031931	009145	000376	-09521	001420	000	0100101	010	1111000	X	
031894	000038	031932	009148	000379	-09527	001430	000	0100110	010	1111011	X	
031766	000038	031804	006350	000382	-06732	026085	000	0100110	010	1111110	X	
031894	000038	031932	009155	000385	-09540	001450	000	0100110	011	0000001	X	
031895	000038	031933	009159	000388	-09547	001460	000	0100110	011	0000100	X	
031895	000039	031934	009162	000392	-09554	001470	000	0100111	011	0001000	X	
031895	000039	031934	009166	000396	-09562	001480	000	0100111	011	0001100	X	
031895	000039	031934	009169	000400	-09569	001490	000	0100111	011	0010000	X	
031895	000038	031933	009172	000402	-09574	001500	000	0100110	011	0010010	X	
031895	000039	031934	009176	000408	-09584	001510	000	0100111	011	0011000	X	
031895	000040	031935	009179	000409	-09588	001520	000	0101000	011	0011001	X	
031896	000040	031936	009183	000411	-09594	001530	000	0101000	011	0011011	X	
031896	000041	031937	009190	000414	-09604	001550	000	0101001	011	0011110	X	
031896	000042	031938	009193	000418	-09611	001560	000	0101010	011	0100010	X	
031896	000042	031938	009197	000419	-09616	001570	000	0101010	011	0100011	X	
031896	000043	031939	009200	000419	-09619	001580	000	0101011	011	0100011	X	
031896	000043	031939	009203	000423	-09626	001590	000	0101011	011	0100111	X	
031897	000042	031939	009207	000423	-09630	001600	000	0101010	011	0100111	X	
031766	000044	031810	006350	000429	-06779	026085	000	0101100	011	0101101	X	
031899	000049	031948	009269	000468	-09737	001780	000	0110001	011	1010100	X	
897	000044	031941	009217	000431	-09648	001630	000	0101100	011	0101111	X	
1897	000044	031941	009221	000432	-09653	001640	000	0101100	011	0110000	X	
031897	000045	031942	009224	000435	-09659	001650	000	0101101	011	0110011	X	
031898	000045	031943	009228	000437	-09665	001660	000	0101101	011	0110101	X	
031898	000046	031944	009231	000441	-09672	001670	000	0101110	011	0111001	X	
031898	000046	031945	009234	000444	-09678	001680	000	0101110	011	0111100	X	
031898	000046	031946	009238	000443	-09681	001690	000	0101110	011	0111011	X	
031898	000048	031947	009241	000449	-09690	001700	000	0110000	011	1000001	X	
031898	000047	031948	009245	000449	-09694	001710	000	0101111	011	1000001	X	

031899	000048	031947	009252	000454	-09706	001730	000	0110000	011	1000110	
031899	000048	031947	009255	000458	-09713	001740	000	0110000	011	1001010	
031899	000049	031948	009258	000462	-09720	001750	000	0110001	011	1001110	
031899	000048	031947	009262	000464	-09726	001760	000	0110000	011	1010000	
031766	000049	031815	006350	000465	-06815	026085	000	0110001	011	1010001	
031899	000049	031948	009269	000468	-09737	001780	000	0110001	011	1010100	
031899	000050	031949	009272	000472	-09744	001790	000	0110010	011	1011000	
031900	000049	031949	009276	000474	-09750	001800	000	0110001	011	1011010	
031900	000050	031950	009279	000478	-09757	001810	000	0110010	011	1011110	
031900	000053	031953	009283	000484	-09767	001820	000	0110101	011	1100100	
031900	000054	031954	009286	000489	-09775	001830	000	0110110	011	1101001	
031900	000056	031956	009289	000499	-09788	001840	000	0111000	011	1110011	
031900	000059	031959	009293	000512	-09805	001850	000	0111011	100	0000000	X
031901	000059	031960	009296	000514	-09810	001860	000	0111011	100	0000010	X
031901	000057	031958	009300	000510	-09810	001870	000	0111001	011	1111110	X
031901	000056	031957	009303	000503	-09811	001880	000	0111000	011	1111100	X
031901	000055	031956	009307	000507	-09814	001890	000	0110111	011	1111011	X
031901	000056	031957	009310	000508	-09818	001900	000	0111000	011	1111100	X
031901	000056	031957	009314	000512	-09826	001910	000	0111000	100	0000000	X
031901	000056	031957	009317	000513	-09830	001920	000	0111000	100	0000001	X
031766	000057	031823	006350	000515	-06865	026085	000	0111001	100	0000011	X
031902	000057	031959	009324	000519	-09843	001940	000	0111001	100	0000111	X
031902	000056	031958	009327	000518	-09845	001950	000	0111000	100	0000110	X
031902	000056	031958	009331	000520	-09851	001960	000	0111000	100	0001000	X
031902	000058	031960	009334	000525	-09859	001970	000	0111010	100	0001101	X
031902	000058	031960	009338	000524	-09862	001980	000	0111010	100	0001100	X
031902	000059	031961	009341	000528	-09869	001990	000	0111011	100	0010000	X
031903	000059	031962	009344	000529	-09873	002000	000	0111011	100	0010001	X
031903	000061	031964	009348	000532	-09880	002010	000	0111101	100	0010100	X
031903	000060	031963	009351	000535	-09886	002020	000	0111100	100	0010111	X
031903	000062	031965	009355	000537	-09892	002030	000	0111110	100	0011001	X
031903	000063	031966	009358	000539	-09897	002040	000	0111111	100	0011011	X
031903	000063	031966	009362	000541	-09903	002050	000	0111111	100	0011101	X
031903	000064	031967	009365	000543	-09908	002060	000	1000000	100	0011111	X
031904	000066	031970	009369	000547	-09916	002070	000	1000010	100	0100011	X
031904	000070	031974	009372	000551	-09923	002080	000	1000110	100	0100111	X
031766	000077	031843	006350	000553	-06903	026085	000	1001101	100	0101001	X
031904	000087	031991	009379	000559	-09938	002100	000	1010111	100	0101111	X
031904	000096	032000	009382	000567	-09949	002110	000	1100000	100	0110111	X
031904	000097	032001	009386	000575	-09961	002120	000	1100001	100	0111111	X
031905	000092	031997	009393	000572	-09965	002140	000	1011100	100	0111100	X
031905	000084	031989	009396	000573	-09969	002150	000	1010100	100	0111101	X
031905	000078	031983	009399	000574	-09973	002160	000	1001110	100	0111110	X
031905	000074	031979	009403	000575	-09978	002170	000	1001010	100	0111111	X
031905	000072	031977	009406	000577	-09983	002180	000	1001000	100	1000001	X
031905	000071	031976	009410	000583	-09993	002190	000	1000111	100	1000111	X
031906	000069	031975	009413	000581	-09994	002200	000	1000101	100	1000101	X
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031948	000489	032437	010416	-00328	-09693	005130	011	1101001	010	0101101	X
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032018	000097	032115	012138	000219	-12357	010280	000	1100001	001	1011011	X
032018	000094	032112	012141	000211	-12352	010290	000	1011110	001	1010011	X
032018	000085	032103	012145	000203	-12348	010300	000	1010101	001	1001011	X
032018	000082	032100	012148	000202	-12350	010310	000	1010010	001	1001010	X
032018	000080	032098	012151	000198	-12349	010320	000	1010000	001	1000110	X
032018	000079	032098	012154	000194	-12349	010330	000	1001111	001	1000010	X
032017	000078	032097	012158	000190	-12348	010340	000	1001110	001	0111110	X
032018	000075	031841	006350	000186	-06536	026085	000	1001011	001	0111010	X

032010	000071	032090	012171	000181	-12352	010310	000	1000111	001	0110101	X
032010	000071	032090	012174	000183	-12357	010390	000	1000111	001	0110111	X
032010	000069	032039	012177	000182	-12359	010400	000	1000201	001	0110110	X
032010	000066	032086	012180	000180	-12360	010410	000	1000010	001	0110100	X
032010	000065	032085	012184	000180	-12364	010420	000	1000001	001	0110100	X
032010	000065	032085	012187	000176	-12363	010430	000	0111111	001	0110000	X
032010	000062	032082	012190	000175	-12365	010440	000	0111110	001	0101111	X
032010	000060	032080	012193	000174	-12367	010450	000	0111100	001	0101110	X
032010	000056	032076	012200	000172	-12372	010470	000	0111000	001	0101100	X
032010	000053	032074	012203	000169	-12372	010480	000	0110101	001	0101001	X
032010	000050	032071	012206	000168	-12374	010490	000	0110010	001	0101000	X
032010	000049	032070	012210	000167	-12377	010500	000	0110001	001	0100111	X
032010	000046	032067	012213	000164	-12379	010510	000	0101110	001	0100110	X
032010	000043	032064	006350	000161	-06511	026085	000	0101011	001	0100001	X
032010	000040	032061	012272	000092	-12364	010690	000	0000000	000	1011100	X
032010	000037	032058	012275	000087	-12362	010700	111	1111111	000	1010111	X
032010	000035	032056	012278	000082	-12360	010710	111	1111011	000	1010010	X
032010	000031	032053	012279	000145	-12374	010530	000	0011111	001	0010001	X
032010	000029	032051	012233	000142	-12375	010570	000	0011101	001	0001110	X
032010	000024	032046	012236	000136	-12372	010580	000	0011000	001	0001000	X
032010	000021	032043	012239	000131	-12370	010590	000	0010101	001	0000011	X
032010	000019	032040	012242	000126	-12368	010600	000	0010010	000	1111110	X
032010	000013	032035	012246	000117	-12363	010610	000	0001101	000	1110101	X
032010	000009	032030	012249	000112	-12361	010620	000	0001000	000	1110000	X
032010	000007	032030	012252	000106	-12358	010630	000	0000111	000	1101010	X
032010	000006	032029	012255	000105	-12360	010640	000	0000210	000	1101001	X
032010	000005	032028	012259	000102	-12361	010650	000	0000101	000	1100110	X
032010	000004	032027	012262	000101	-12363	010660	000	0000100	000	1100101	X
032010	000001	032024	012265	000098	-12363	010670	000	0000001	000	1100010	X
032010	000001	032024	012272	000092	-12364	010690	000	0000000	000	1011100	X
032010	000001	032024	012275	000087	-12362	010700	111	1111111	000	1010111	X
032010	000001	032024	012278	000082	-12360	010710	111	1111011	000	1010010	X
032010	000001	032024	012281	000077	-12358	010720	111	1111011	000	1001101	X
032010	000001	032024	012283	000072	-12360	010740	111	1111010	000	1001000	X
032010	000001	032024	012291	000068	-12359	010750	111	1111001	000	1000100	X
032010	000001	032024	012294	000063	-12357	010760	111	1111000	000	0111111	X
032010	000001	032024	012297	000059	-12356	010770	111	1110110	000	0111011	X
032010	000001	032024	012301	000059	-12360	010780	111	1110111	000	0111011	X
032010	000001	032024	012304	000054	-12360	010790	111	1110110	000	0111000	X
032010	000001	032024	012307	000054	-12361	010800	111	1110101	000	0110110	X
032010	000001	032024	012310	000051	-12361	010810	111	1110011	000	0110011	X
032010	000001	032024	012314	000048	-12362	010820	111	1110010	000	0110000	X
032010	000001	032024	012317	000046	-12363	010830	111	1110001	000	0101110	X
032010	000001	032024	012320	000046	-12366	010840	111	1110000	000	0101110	X
032010	000001	032024	006350	000051	-06401	026085	111	1110001	000	0110011	X

RUN IS COMPLETE.....

474 - (-16)

765-46

7780-10850

10850
7150
3070

FIG. 4.2. SECOND CARSON RUN PRINTOUTS

2nd Carion Run

39

CARGO SECURITY FIELD TEST PROGRAM

AM PHASE TESTING AND MAPPING

THE RUN START TIME IS - 07:05:42

THE OPERATOR NAME IS - G. W. WOLF

THE ENTERED DATE IS 23-FEB-77

THE POLLING RATE IS - 9.

PHIXT	PHIXA	ERROR	PHIYT	PHIYA	ERROR	DIST.	XLA	XSUB	YLA	YSUB	SPL
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RUN STARTED AT - HHMMSS

RUN START EXECUTED AT - 07:05:47

031873	-00001	031872	008656	-00897	-07759	000000	111	1111111	000	1111111	X
031873	000031	031904	008656	000013	-08669	000000	000	0011111	000	0001101	X
031873	000031	031904	008656	000011	-08667	000000	000	0011111	000	0001011	X
031873	000032	031905	008656	000008	-08664	000000	000	0100000	000	0001000	X

PHASE RESET

031873	-00001	031872	008656	-00002	-08654	000000	111	1111111	111	1111110	X
FREEZE COUNT - 640 = 000008 1070 = 000000 1540 = 000001											

031873	000000	031873	008656	000003	-08659	000000	000	0000000	000	0000011	X
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FREEZE COUNTERS ARE CLEAR

031873	-00002	031871	008656	-00005	-08651	000000	111	1111110	111	1111011	X
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AM PHASE RESET

031873	000000	031873	008656	000000	-08656	000000	000	0000000	000	0000000	X
031873	000000	031873	008662	-00001	-08661	000020	000	0000000	111	1111111	X
031766	-00006	031760	006350	-00003	-06347	026085	111	1111010	111	1111101	X
031873	-00004	031869	008669	-00004	-08665	000040	111	1111100	111	1111100	X
031873	-00006	031867	008673	-00007	-08666	000050	111	1111010	111	1111001	X
031873	-00006	031867	008676	-00001	-08675	000060	111	1111010	111	1111111	X
031874	-00006	031868	008683	000002	-08685	000080	111	1111010	000	0000010	X
031874	-00006	031868	008687	000003	-08690	000090	111	1111010	000	0000011	X
031874	-00006	031868	008690	000007	-08697	000100	111	1111010	000	0000111	X
031874	-00006	031868	008694	000008	-08702	000110	111	1111010	000	0001000	X
031874	-00005	031869	008697	000006	-08703	000120	111	1111011	000	0000110	X
031874	-00002	031872	008700	000010	-08710	000130	111	1111110	000	0001010	X
031875	000003	031878	008704	000006	-08710	000140	000	0000011	000	0000110	X
031875	000001	031876	008707	000008	-08715	000150	000	0000001	000	0001000	X
031875	-00002	031873	008711	000010	-08721	000160	111	1111110	000	0001010	X
031875	-00001	031874	008715	000011	-08726	000173	111	1111111	000	0001011	X
031875	-00005	031870	008718	000013	-08731	000180	111	1111011	000	0001101	X
031875	-00004	031871	008721	000017	-08738	000190	111	1111100	000	0010001	X
031876	-00003	031763	006350	000023	-06373	026085	111	1111101	000	0010111	X
031876	-00004	031872	008728	000021	-08749	000210	111	1111100	000	0010101	X
031876	-00002	031874	008731	000028	-08759	000220	111	1111110	000	0011100	X
031876	-00004	031872	008735	000025	-08760	000230	111	1111100	000	0011001	X
031876	000000	031876	008738	000032	-08770	000240	000	0000000	000	0100000	X
031877	000000	031877	008748	000031	-08779	000269	000	0000000	000	0011111	X
031877	000000	031877	008749	000039	-08788	000270	000	0000000	000	0100111	X
031877	000000	031877	008752	000042	-08794	000280	000	0000000	000	0101010	X

031877	000001	031878	008766	000049	-06815	000320	000	0000001	000	0110001	X
0318	000001	031879	008769	000053	-06822	000330	000	0000001	000	0110101	X
031878	000002	031880	008773	000057	-06830	000340	000	0000010	000	0111001	X
031878	000004	031882	008774	000064	-06840	000350	000	0000100	000	1000000	X
031878	000005	031883	008780	000068	-06848	000360	000	0000101	000	1000100	X
031878	000004	031882	008783	000070	-06853	000370	000	0000100	000	1000110	X
031878	000005	031771	004350	000073	-06423	026085	000	0000101	000	1001001	X
031878	000006	031884	008790	000071	-06861	000390	000	0000110	000	1000111	X
031879	000009	031888	008794	000075	-06869	000400	000	0001001	000	1001011	X
031879	000009	031888	008797	000079	-06876	000410	000	0001001	000	1001111	X
031879	000012	031891	008800	000082	-06882	000420	000	0001100	000	1010010	X
031879	000014	031893	008804	000075	-06879	000430	000	0001110	000	1001011	X
031879	000021	031900	008807	000072	-06879	000440	000	0010101	000	1001000	X
031879	000033	031905	008811	000069	-06880	000450	000	0011010	000	1000101	X
031879	000033	031903	008814	000063	-06877	000460	000	0010111	000	0111111	X
031879	000033	031904	008815	000066	-06877	000470	000	0011010	000	1000010	X
031879	000037	031907	008821	000074	-06895	000480	000	0011011	000	1001010	X
031879	000042	031902	008825	000088	-068913	000490	000	0010110	000	1011000	X
031879	000046	031896	008828	000094	-068922	000500	000	0010000	000	1011110	X
031879	000048	031893	008831	000106	-068937	000510	000	0001101	000	1101010	X
031879	000051	031891	008835	000106	-068941	000520	000	0001011	000	1101010	X
031879	000051	031892	008838	000108	-068946	000530	000	0001011	000	1101100	X
031879	000052	031773	004350	000114	-06464	026085	000	0001100	000	1110010	X
031881	000051	031892	008843	000118	-068963	000550	000	0001011	000	1110110	X
031881	000051	031891	008849	000119	-068968	000560	000	0001010	000	1110111	X
031881	000051	031892	008852	000120	-068972	000570	000	0001011	000	1111000	X
031881	000051	031892	008856	000127	-068983	000580	000	0001011	000	1111111	X
031881	000053	031894	008859	000131	-068990	000590	000	0001101	001	0000011	X
031882	000052	031894	008862	000128	-068990	000600	000	0001100	001	0000000	X
031882	000059	031891	008866	000130	-068996	000610	000	0001001	001	0000010	X
031882	000059	031892	008869	000134	-09003	000620	000	0001010	001	0000110	X
031882	000059	031894	008883	000139	-09072	000660	000	0001011	001	0111101	X
031882	000059	031896	008887	000135	-09072	000670	000	0001101	001	0111001	X
031883	000057	031900	008890	000138	-09078	000680	000	0010001	001	0111100	X
031883	000057	031900	008894	000135	-09079	000690	000	0010001	001	0111001	X
031883	000059	031902	008897	000138	-09085	000700	000	0010011	001	0111100	X
031883	000059	031902	008900	000139	-09089	000710	000	0010011	001	0111101	X
031883	000059	031901	008904	000138	-09092	000720	000	0010010	001	0111100	X
031883	000059	031787	004350	000194	-06544	026085	000	0010101	001	1000010	X
031883	000059	031910	008969	000239	-09208	000910	000	0011000	001	1101111	X
031884	000059	031903	008914	000193	-09107	000750	000	0010011	001	1000001	X
031884	000059	031904	008918	000198	-09116	000760	000	0010100	001	1000110	X
031884	000059	031907	008921	000207	-09128	000770	000	0010111	001	1001111	X
031884	000059	031916	008925	000225	-09150	000780	000	0100000	001	1100001	X
031885	000059	031918	008928	000232	-09160	000790	000	0100001	001	1101000	X
031885	000059	031911	008931	000219	-09150	000800	000	0011010	001	1011011	X
031885	000059	031910	008935	000218	-09153	000810	000	0011001	001	1011010	X
031885	000059	031909	008938	000217	-09155	000820	000	0011000	001	1011001	X
031885	000059	031907	008942	000216	-09158	000830	000	0010110	001	1011000	X
031885	000059	031906	008945	000219	-09164	000840	000	0010101	001	1011011	X
031885	000059	031907	008949	000223	-09172	000850	000	0010110	001	1011111	X
031885	000059	031909	008952	000224	-09174	000860	000	0010111	001	1100000	X
031885	000059	031909	008956	000226	-09182	000870	000	0010111	001	1100010	X
031885	000059	031909	008959	000228	-09187	000880	000	0010111	001	1100100	X
031885	000059	031789	004350	000239	-06589	026085	000	0010111	001	1101111	X
031885	000059	031910	008969	000239	-09208	000910	000	0011000	001	1101111	X
031885	000059	031911	008973	000242	-09215	000920	000	0011001	001	1110010	X
031887	000059	031912	008976	000245	-09221	000930	000	0011001	001	1110101	X
031887	000059	031913	008980	000247	-09227	000940	000	0011010	001	1110111	X
031887	000059	031912	008983	000250	-09233	000950	000	0011001	001	1111010	X
031887	000059	031913	008986	000250	-09236	000960	000	0011010	001	1111010	X
031887	000059	031912	008990	000250	-09240	000970	000	0011001	001	1111010	X
031887	000059	031912	008993	000252	-09245	000980	000	0011001	001	1111100	X
031887	000059	031912	008997	000255	-09252	000990	000	0011001	001	1111111	X

031898	000026	031914	009011	000267	-09278	001030	000	0011010	010	0001011	X	
031	2	000026	031914	009014	000266	-09280	001040	000	0011010	010	0001010	X
031892	000025	031913	009017	000271	-09288	001050	000	0011001	010	0001111	X	
031899	000024	031913	009021	000270	-09291	001060	000	0011000	010	0001110	X	
031766	000022	031788	006350	000274	-06624	026085	000	0010110	010	0010010	X	
031899	000019	031908	009028	000281	-09309	001080	000	0010011	010	0011001	X	
1899	000017	031906	009031	000289	-09320	001090	000	0010001	010	0100001	X	
1899	000011	031900	009035	000290	-09325	001100	000	0001011	010	0100010	X	
031829	000011	031900	009038	000292	-09330	001110	000	0001011	010	0100100	X	
031899	000017	031906	009042	000293	-09335	001120	000	0010001	010	0100101	X	
031890	000022	031912	009045	000295	-09340	001130	000	0010110	010	0100111	X	
031890	000025	031915	009048	000296	-09344	001140	000	0011001	010	0101000	X	
031890	000025	031915	009052	000294	-09346	001150	000	0011001	010	0100110	X	
031890	000025	031915	009055	000291	-09346	001160	000	0011001	010	0100011	X	
031890	000024	031914	009059	000291	-09350	001170	000	0011000	010	0100011	X	
031890	000024	031914	009062	000297	-09352	001180	000	0011001	010	0101001	X	
031891	000027	031918	009069	000302	-09371	001200	000	0011011	010	0101110	X	
031891	000027	031918	009073	000301	-09374	001210	000	0011011	010	0101101	X	
031891	000027	031918	009076	000299	-09375	001220	000	0011011	010	0101011	X	
031766	000026	031792	006350	000296	-06646	026085	000	0011010	010	0101000	X	
031891	000027	031918	009083	000299	-09382	001240	000	0011011	010	0101011	X	
031891	000028	031919	009086	000312	-09398	001250	000	0011100	010	0111000	X	
031892	000030	031922	009090	000319	-09409	001260	000	0011110	010	0111111	X	
031892	000031	031923	009093	000327	-09420	001270	000	0011111	010	1000111	X	
031892	000032	031924	009097	000328	-09425	001280	000	0100000	010	1001000	X	
031892	000032	031924	009100	000329	-09429	001290	000	0100000	010	1001001	X	
031892	000030	031922	009104	000331	-09435	001300	000	0011110	010	1001011	X	
031892	000032	031924	009107	000336	-09443	001310	000	0100000	010	1010000	X	
031892	000034	031926	009110	000344	-09454	001320	000	0100010	010	1011000	X	
1893	000033	031926	009114	000343	-09457	001330	000	0100001	010	1010111	X	
1893	000033	031926	009117	000342	-09459	001340	000	0100001	010	1010110	X	
031893	000034	031927	009121	000349	-09470	001350	000	0100010	010	1011101	X	
031893	000034	031928	009124	000354	-09478	001360	000	0100011	010	1100010	X	
031893	000035	031928	009128	000353	-09481	001370	000	0100011	010	1100001	X	
031893	000034	031927	009131	000354	-09485	001380	000	0100010	010	1100010	X	
031766	000034	031900	006350	000359	-06709	026085	000	0100010	010	1100111	X	
031894	000035	031929	009138	000366	-09504	001400	000	0100011	010	1101110	X	
031894	000036	031930	009141	000365	-09506	001410	000	0100100	010	1101101	X	
031894	000034	031928	009145	000365	-09510	001420	000	0100010	010	1101101	X	
031894	000035	031929	009148	000370	-09518	001430	000	0100011	010	1110010	X	
031894	000037	031931	009152	000376	-09528	001440	000	0100101	010	1111000	X	
031894	000036	031930	009155	000375	-09530	001450	000	0100100	010	1110111	X	
031895	000036	031931	009159	000377	-09536	001460	000	0100100	010	1111001	X	
031895	000037	031932	009162	000385	-09547	001470	000	0100101	011	0000001	X	
031895	000038	031933	009166	000397	-09553	001480	000	0100110	011	0000011	X	
031895	000034	031931	009169	000387	-09556	001490	000	0100100	011	0000011	X	
031895	000034	031931	009172	000391	-09563	001500	000	0100100	011	0000111	X	
031895	000037	031932	009176	000396	-09572	001510	000	0100101	011	0001100	X	
031895	000038	031933	009179	000400	-09579	001520	000	0100110	011	0010000	X	
031895	000034	031932	009183	000400	-09583	001530	000	0100100	011	0010000	X	
031895	000039	031935	009186	000409	-09595	001540	000	0100111	011	0011001	X	
031766	000039	031905	006350	000410	-06760	026085	000	0100111	011	0011010	X	
031896	000040	031936	009193	000410	-09603	001560	000	0101000	011	0011010	X	
031896	000040	031936	009197	000413	-09610	001570	000	0101000	011	0011101	X	
1896	000042	031938	009200	000419	-09619	001580	000	0101010	011	0100011	X	
1896	000040	031936	009203	000416	-09619	001590	000	0101000	011	0100000	X	
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SPECIAL CODE INPUT - 03

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031873	000011	031884	008656	000014	-08670	000980	000	0001011	000	0001110	04
032029	000010	032039	012404	000014	-12418	011920	000	0001010	000	0001110	04
032029	000011	032040	012408	000022	-12430	011910	000	0001011	000	0010110	04
032029	000013	032042	012411	000027	-12438	011900	000	0001101	000	0011011	04
032029	000012	032041	012414	000025	-12439	011890	000	0001100	000	0011001	04
032029	000014	032043	012417	000034	-12451	011880	000	0001110	000	0100010	04
032029	000015	032044	012424	000041	-12465	011870	000	0001111	000	0101001	04
032029	000017	032046	012427	000054	-12481	011860	000	0010001	000	0110110	04
FREEZE COUNT -			640 =	000147	1070 =	000009	1540 =	000032			
RUN IS COMPLETE.....											

x: 0-26
y: -10-60

11 170
10970
200

FIG. 4.3. BOYLE HEIGHTS RUN PRINTOUT

Boyle Heights

55

CARGO SECURITY FIELD TEST PROGRAM

AM PHASE TESTING AND MAPPING

THE RUN START TIME IS - 11:35:17.

THE OPERATOR NAME IS - G. W. WOLF

THE ENTERED DATE IS 19-FEB-77

THE POLLING RATE IS - 9

PHIXT	PHIXA	ERROR	PHIYT	PHIYA	ERROR	DIST.	XLA	XSUB	YLA	YSUB	SPL
-------	-------	-------	-------	-------	-------	-------	-----	------	-----	------	-----

RUN STARTED AT - HHMMSS

RUN START EXECUTED AT - 11:35:24

031873	000837	032710	008656	-00095	-08561	000000	110	1000101	111	0100001	X
031873	000003	031874	008656	000004	-08660	000000	000	0000011	000	0000100	X
031873	000000	031873	008656	-00002	-08654	000000	000	0000000	111	1111110	X
031873	-000002	031871	008656	-00008	-08648	000000	111	1111110	111	1111000	X
031873	-000001	031872	008656	-00006	-08650	000000	111	1111111	111	1111010	X
031873	000001	031874	008656	-00001	-08655	000000	000	0000001	111	1111111	X
031873	000000	031873	008659	000008	-08667	000010	000	0000000	000	0001000	X
031873	-000001	031872	008662	000012	-08674	000020	111	1111111	000	0001100	X
031873	000003	031876	008666	000018	-08684	000030	000	0000011	000	0010010	X
031873	-000001	031872	008669	000013	-08682	000040	111	1111111	000	0001101	X
031873	000001	031874	008673	000020	-08693	000050	000	0000001	000	0010100	X
031873	000002	031875	008676	000025	-08701	000060	000	0000010	000	0011001	X
031874	000004	031878	008683	000031	-08714	000090	000	0000100	000	0011111	X
031766	000003	031769	006350	000034	-06384	026085	000	0000011	000	0100010	X
031874	000000	031874	008690	000031	-08721	000100	000	0000000	000	0011111	X
031874	000002	031876	008697	000039	-08736	000120	000	0000010	000	0100111	X
031874	000004	031878	008700	000048	-08748	000130	000	0000100	000	0110000	X
031875	000004	031879	008704	000050	-08754	000140	000	0000100	000	0110010	X
031875	000003	031878	008711	000052	-08763	000160	000	0000011	000	0110100	X
031875	000005	031880	008714	000064	-08778	000170	000	0000101	000	1000000	X
031875	000006	031881	008718	000063	-08781	000180	000	0000110	000	0111111	X
031875	000008	031883	008721	000072	-08793	000190	000	0001000	000	1001000	X
031876	000006	031882	008725	000074	-08799	000200	000	0000110	000	1001010	X
031876	000010	031886	008728	000081	-08809	000210	000	0001010	000	1010001	X
031876	000009	031885	008731	000080	-08811	000220	000	0001001	000	1010000	X
031876	000009	031885	008735	000086	-08821	000230	000	0001001	000	1010110	X
031876	000010	031886	008738	000087	-08825	000240	000	0001010	000	1010111	X
031876	000010	031886	008742	000091	-08833	000250	000	0001010	000	1011011	X
031876	000011	031887	008745	000095	-08840	000260	000	0001011	000	1011111	X
031766	000013	031779	006350	000105	-06455	026085	000	0001101	000	1101001	X
031877	000011	031888	008752	000100	-08852	000280	000	0001011	000	1100100	X
031877	000012	031889	008756	000104	-08860	000290	000	0001100	000	1101000	X
031877	000014	031891	008759	000112	-08871	0300	000	0001110	000	1110000	X
031877	000014	031891	008762	000115	-08877	0310	000	0001110	000	1110011	X
031878	000018	031896	008776	000132	-08908	000350	000	0010010	001	0000100	X
031878	000017	031895	008780	000133	-08913	000360	000	0010001	001	0000101	X

[illegible]

031899	000038	031927	009042	000384	-09426	001120	000	0100110	011	0000000	X
031899	000038	031928	009045	000393	-09438	001130	000	0100110	011	0001001	X
031899	000041	031931	009048	000396	-09444	001140	000	0101001	011	0001100	X
031899	000050	031940	009052	000416	-09468	001150	000	0110010	011	0100000	X
031899	000054	031944	009055	000424	-09479	001160	000	0110110	011	0101000	X
031899	000055	031821	006350	000427	-06777	026085	000	0110111	011	0101011	X
031899	000057	031947	009064	000434	-09498	001185	000	0111001	011	0110010	X
031899	000063	031953	009064	000452	-09518	001190	000	0111111	011	1000100	X
031891	000068	031959	009069	000463	-09532	001200	000	1000100	011	1001111	X
031891	000068	031959	009079	000467	-09546	001230	000	1000100	011	1010011	X
031891	000070	031961	009083	000476	-09559	001240	000	1000110	011	1011100	X
031891	000071	031962	009086	000478	-09564	001250	000	1000111	011	1011110	X
031892	000074	031966	009090	000485	-09575	001260	000	1001010	011	1100101	X
031892	000073	031965	009093	000486	-09579	001270	000	1001001	011	1100110	X
031892	000072	031964	009079	000487	-09586	001288	000	1001000	011	1100111	X
031892	000072	031964	009079	000487	-09586	001288	000	1001000	011	1100111	X
031892	000074	031966	009104	000501	-09605	001300	000	1001100	011	1110101	X
031892	000077	031969	009107	000505	-09612	001310	000	1001101	011	1111001	X
031892	000079	031971	009110	000509	-09619	001320	000	1001111	011	1111101	X
031893	000080	031973	009114	000516	-09630	001330	000	1010000	100	0000100	X
031893	000081	031974	009117	000520	-09637	001340	000	1010001	100	0001000	X
031766	000082	031648	006350	000524	-06874	026085	000	1010010	100	0001100	X
031893	000083	031976	009128	000532	-09660	001370	000	1010011	100	0010100	X
031893	000085	031978	009131	000541	-09672	001380	000	1010101	100	0011101	X
031893	000084	031977	009135	000540	-09675	001390	000	1010100	100	0011100	X
031894	000084	031978	009138	000543	-09681	001400	000	1010100	100	0011111	X
031894	000087	031981	009141	000553	-09694	001410	000	1010111	100	0101001	X
031894	000086	031980	009145	000554	-09699	001420	000	1010110	100	0101010	X
031894	000087	031981	009148	000557	-09705	001430	000	1010111	100	0101101	X
031894	000087	031981	009152	000563	-09715	001440	000	1010111	100	0110011	X
031894	000087	031981	009155	000565	-09720	001450	000	1010111	100	0110101	X
031895	000090	031985	009159	000575	-09734	001460	000	1011010	100	0111111	X
031895	000089	031984	009162	000574	-09736	001470	000	1011001	100	0111110	X
031895	000090	031985	009166	000580	-09746	001480	000	1011010	100	1000100	X
031895	000089	031984	009169	000581	-09750	001490	000	1011001	100	1000101	X
031895	000092	031987	009172	000589	-09761	001500	000	1011100	100	1001101	X
031895	000091	031986	009176	000589	-09765	001510	000	1011011	100	1001101	X
031766	000091	031857	006350	000593	-06943	026085	000	1011011	100	1010001	X
031896	000100	031998	009238	000649	-09887	001690	000	1100100	101	0001001	X
031896	000091	031987	009186	000602	-09788	001540	000	1011011	100	1011010	X
031896	000093	031989	009190	000602	-09792	001550	000	1011101	100	1011010	X
031896	000094	031989	009193	000607	-09800	001560	000	1011101	100	1011111	X
031896	000093	031989	009197	000606	-09803	001570	000	1011101	100	1011110	X
031896	000092	031988	009200	000611	-09811	001580	000	1011100	100	1100011	X
031896	000095	031991	009203	000618	-09821	001590	000	1011111	100	1101010	X
031897	000094	031991	009207	000619	-09826	001600	000	1011110	100	1101011	X
031897	000096	031993	009210	000622	-09832	001610	000	1100000	100	1101110	X
031897	000094	031991	009214	000622	-09836	001620	000	1011110	100	1101110	X
031897	000097	031994	009217	000630	-09847	001630	000	1100001	100	1110110	X
031897	000097	031994	009221	000629	-09850	001640	000	1100001	100	1110101	X
031897	000098	031995	009224	000638	-09862	001650	000	1100010	100	1111110	X
031898	000096	031994	009228	000634	-09862	001660	000	1100000	100	1111010	X
031898	000099	031997	009231	000643	-09874	001670	000	1100011	101	0000011	X
031766	000098	031664	006350	000643	-06993	026085	000	1100010	101	0000011	X
031898	000100	031998	009238	000649	-09887	001690	000	1100100	101	0001001	X
031898	000099	031997	009241	000649	-09890	001700	000	1100011	101	0001001	X
031898	000100	031998	009245	000654	-09899	001710	000	1100100	101	0001110	X
031898	000101	031999	009248	000660	-09908	001720	000	1100101	101	0010100	X
031899	000102	032001	009252	000666	-09918	001730	000	1100110	101	0011010	X
031899	000101	032000	009255	000668	-09923	001740	000	1100101	101	0011100	X
031899	000102	032001	009258	000670	-09928	001750	000	1100110	101	0011110	X
031899	000102	032001	009262	000677	-09939	001760	000	1100110	101	0100101	X
031899	000104	032003	009265	000682	-09947	001770	000	1101000	101	0101010	X
031899	000105	032004	009269	000689	-09958	001780	000	1101001	101	0110001	X

031900	000107	032007	009279	000700	-09979	001810	000	1101011	101	0111100	X
031900	000108	032008	009283	000710	-09993	001820	000	1101100	101	1000110	X
031900	000109	032009	009289	000717	-10006	001840	000	1101101	101	1001101	X
031746	000109	031875	006350	000718	-07068	026085	000	1101101	101	1001110	X
031901	000112	032013	009296	000730	-10026	001860	000	1110000	101	1011010	X
031901	000111	032012	009300	000730	-10030	001870	000	1101111	101	1011010	X
031901	000112	032013	009303	000735	-10038	001880	000	1110000	101	1011111	X
031901	000114	032015	009310	000744	-10054	001900	000	1110010	101	1101000	X
031901	000115	032016	009314	000748	-10062	001910	000	1110011	101	1101100	X
031901	000115	032016	009317	000747	-10064	001920	000	1110011	101	1101011	X
031902	000115	032017	009320	000754	-10074	001930	000	1110011	101	1110010	X
031902	000115	032017	009324	000755	-10079	001940	000	1110011	101	1110011	X
031902	000116	032018	009327	000763	-10090	001950	000	1110100	101	1111011	X
031902	000119	032021	009331	000768	-10099	001960	000	1110111	110	0000000	X
031902	000118	032020	009334	000768	-10102	001970	000	1110110	110	0000000	X
031902	000112	032020	009338	000769	-10107	001980	000	1110110	110	0000001	X
031902	000119	032021	009341	000773	-10114	001990	000	1110111	110	0000101	X
031903	000120	032023	009344	000781	-10125	002000	000	1111000	110	0001101	X
031903	000120	032023	009348	000783	-10131	002010	000	1111000	110	0001111	X
031766	000120	031886	006350	000787	-07137	026085	000	1111000	110	0010011	X
031903	000127	032032	009410	000855	-10265	002190	000	1111111	110	1010111	X
031903	000123	032026	009358	000797	-10155	002040	000	1111011	110	0011101	X
031903	000122	032025	009362	000799	-10161	002050	000	1111010	110	0011111	X
031903	000122	032025	009365	000801	-10166	002060	000	1111010	110	0100001	X
031904	000123	032027	009369	000807	-10176	002070	000	1111011	110	0100111	X
031904	000124	032028	009372	000810	-10182	002080	000	1111100	110	0101010	X
031904	000124	032028	009375	000817	-10192	002090	000	1111100	110	0110001	X
031904	000125	032029	009379	000819	-10198	002100	000	1111101	110	0110011	X
031904	000125	032029	009382	000826	-10208	002110	000	1111101	110	0111010	X
031904	000126	032030	009386	000832	-10218	002120	000	1111110	110	1000000	X
031904	000124	032028	009389	000831	-10220	002130	000	1111100	110	0111111	X
031905	000124	032029	009393	000834	-10227	002140	000	1111100	110	1000010	X
031905	000127	032032	009396	000843	-10239	002150	000	1111111	110	1001011	X
031905	000128	032033	009399	000849	-10248	002160	001	0000000	110	1010001	X
031905	000127	032032	009403	000851	-10254	002170	000	1111111	110	1010011	X
031766	000128	031894	006350	000855	-07205	026085	001	0000000	110	1010111	X
031905	000127	032032	009410	000855	-10265	002190	000	1111111	110	1010111	X
031906	000130	032036	009413	000865	-10278	002200	001	0000010	110	1100001	X
031906	000129	032035	009417	000865	-10282	002210	001	0000001	110	1100001	X
031906	000128	032034	009424	000874	-10298	002232	001	0000000	110	1101010	X
031906	000130	032036	009427	000877	-10304	002240	001	0000010	110	1101101	X
031906	000130	032036	009430	000881	-10311	002250	001	0000010	110	1110001	X
031906	000130	032036	009434	000886	-10320	002260	001	0000010	110	1110110	X
031907	000132	032039	009437	000892	-10329	002270	001	0000100	110	1111100	X
031907	000132	032039	009441	000893	-10334	002280	001	0000100	110	1111101	X
031907	000134	032041	009444	000900	-10344	002290	001	0000110	111	0000100	X
031907	000132	032039	009448	000899	-10347	002300	001	0000100	111	0000011	X
031907	000129	032036	009452	000915	-10367	002314	001	0000001	111	0010011	X
031907	000125	032032	009454	000911	-10365	002320	000	1111101	111	0001111	X
031907	000125	032032	009458	000914	-10372	002330	000	1111101	111	0010010	X
031908	000116	032024	009461	000915	-10376	002340	000	1110100	111	0010011	X
031766	000109	031875	006350	000914	-07264	026085	000	1101101	111	0010010	X
031908	000098	032006	009468	000913	-10381	002360	000	1100010	111	0010001	X
031908	000091	031999	009472	000910	-10382	002370	000	1011011	111	0001110	X
031908	000088	031996	009475	000910	-10385	002380	000	1011000	111	0001110	X
031908	000089	031997	009479	000911	-10390	002390	000	1011001	111	0001111	X
031909	000087	031996	009482	000906	-10388	002400	000	1010111	111	0001010	X
031909	000089	031998	009485	000902	-10387	002410	000	1011001	111	0000110	X
031909	000092	032001	009492	000903	-10395	002430	000	1011100	111	0000111	X
031909	000094	032003	009496	000905	-10401	002440	000	1011110	111	0001001	X
031909	000095	032004	009499	000907	-10406	002450	000	1011111	111	0001011	X
031909	000097	032006	009503	000908	-10411	002460	000	1100001	111	0001100	X
031910	000128	032038	009506	000938	-10444	002470	001	0000000	111	0101010	X
031910	000119	032029	009510	000919	-10429	002481	000	1110111	111	0010111	X

031910	000132	032042	009520	000972	-10492	002510	001	0000100	111	1001100	X
031	000133	031899	006350	000974	-07324	026085	001	0000101	111	1001110	X
031910	000134	032046	009527	000982	-10509	002530	001	0001000	111	1010110	X
031911	000134	032045	009530	000979	-10509	002540	001	0000110	111	1010011	X
031911	000135	032046	009534	000985	-10519	002552	001	0000111	111	1011001	X
031911	000137	032048	009537	000991	-10528	002560	001	0001001	111	1011111	X
031911	000135	032046	009540	000993	-10533	002570	001	0000111	111	1100001	X
031911	000137	032048	009544	000997	-10541	002580	001	0001001	111	1100101	X
031911	000137	032048	009547	000999	-10546	002590	001	0001001	111	1100111	X
031912	000138	032050	009554	001007	-10561	002610	001	0001010	111	1101111	X
031912	000139	032051	009560	001010	-10570	002628	001	0001011	111	1110010	X
031912	000143	032055	009561	001018	-10579	002630	001	0001111	111	1111010	X
031912	000142	032054	009564	001019	-10583	002640	001	0001110	111	1111011	X
031912	000143	032055	009568	001021	-10589	002650	001	0001111	111	1111101	X
031912	000147	032055	009575	-01021	-08554	002670	001	0001111	000	0000011	X
031913	000147	032059	009585	-01012	-08564	002680	001	0000001	000	0000100	X
031913	000147	032059	009585	-01006	-08579	002700	001	0010010	000	0010010	X
031766	000146	031912	006350	-01003	-05347	024085	001	0010010	000	0010101	X
031913	000148	032061	009595	-00991	-08604	002730	001	0010100	000	0100001	X
031913	000147	032060	009599	-00989	-08610	002740	001	0010011	000	0100011	X
031914	000150	032064	009602	-00981	-08621	002750	001	0010110	000	0101011	X
031914	000150	032064	009606	-00979	-08627	002760	001	0010110	000	0101101	X
031914	000148	032062	009609	-00976	-08633	002770	001	0010100	000	0110000	X
031914	000151	032065	009612	-00968	-08644	002780	001	0010111	000	0111000	X
031914	000151	032065	009616	-00966	-08652	002790	001	0010111	000	0111100	X
031914	000150	032064	009619	-01083	-08654	002800	001	0010110	000	0111011	X
031915	000151	032066	009623	-00961	-08662	002810	001	0010111	000	0111111	X
031915	000151	032066	009626	-00954	-08672	002820	001	0010111	000	1000110	X
031915	000153	032068	009630	-00951	-08679	002830	001	0011001	000	1001001	X
031915	000150	032065	009633	-00951	-08682	002840	001	0010110	000	1001001	X
031915	000154	032069	009636	-00943	-08693	002850	001	0011010	000	1010001	X
031915	000154	032069	009640	-00940	-08700	002860	001	0011010	000	1010100	X
031915	000153	032068	009643	-00940	-08703	002870	001	0011001	000	1010100	X
031766	000154	031920	006350	-00936	-05414	026085	001	0011010	000	1011000	X
031916	000155	032071	009650	-00931	-08719	002890	001	0011011	000	1011101	X
031916	000156	032072	009654	-00927	-08727	002900	001	0011100	000	1100001	X
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031921	000182	032103	009770	-00781	-08989	003240	001	0110110	001	1110011	X	
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032118	-00012	032104	014544	-00421	-14123	018300	111	1110100	100	1011011	03
032118	-00013	032103	014547	-00422	-14125	018310	111	1110011	100	1011010	03
032117	-00013	032104	014549	-00417	-14132	018320	111	1110011	100	1011111	03
032117	-00013	032104	014556	-00416	-14140	018345	111	1110011	100	1100000	03
032117	-00016	032101	014557	-00424	-14133	018350	111	1110000	100	1011000	03
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032117	-00018	032099	014565	-00427	-14138	018380	111	1101110	100	1010101	03
032117	-00018	032099	014567	-00425	-14142	018390	111	1101110	100	1010111	03
032117	-00021	032097	014572	-00424	-14146	018410	111	1101011	100	1010100	03
032117	-00017	032107	014577	-00419	-14121	018400	111	1101111	100	1010101	03
032118	-00016	032102	014578	-00416	-14162	018430	111	1110000	100	1100000	03
032118	-00017	032101	014580	-00417	-14163	018440	111	1101111	100	1011111	03
032118	-00013	032105	014583	-00409	-14174	018450	111	1110011	100	1100111	03
032118	-00014	032104	014585	-00414	-14171	018460	111	1110010	100	1100010	03
032118	-00013	032105	014588	-00412	-14176	018470	111	1110011	100	1100100	03
032118	-00013	032105	014591	-00406	-14185	018480	111	1110011	100	1101010	03
032118	-00012	032107	014593	-00409	-14184	018490	111	1110100	100	1100111	03
032118	-00011	032108	014596	-00403	-14193	018500	111	1110101	100	1101101	03
032118	-00010	032109	014598	-00402	-14196	018510	111	1110110	100	1101110	03
032118	-00011	032108	014601	-00407	-14194	018520	111	1110101	100	1101001	03
032118	-00010	032109	014604	-00400	-14204	018530	111	1110110	100	1110000	03
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032118	-00010	032109	014611	-00398	-14213	018560	111	1110110	100	1110010	03
032118	-00012	032107	014614	-00406	-14208	018570	111	1110100	100	1101010	03
032118	-00014	031752	006350	-00408	-05942	026085	111	1110010	100	1101000	03
032123	-00049	032074	014688	-00425	-14263	018660	111	1001111	100	1010111	03
032121	-00040	032081	014650	-00438	-14212	018710	111	1011000	100	1001010	03
032121	-00040	032081	014652	-00430	-14222	018720	111	1011000	100	1010010	03
032121	-00042	032079	014655	-00436	-14219	018730	111	1010110	100	1001100	03
032121	-00042	032079	014657	-00433	-14224	018740	111	1010110	100	1001111	03
032121	-00044	032077	014660	-00437	-14223	018750	111	1010100	100	1001011	03
032122	-00042	032080	014662	-00431	-14231	018760	111	1010110	100	1010001	03
032122	-00045	032077	014665	-00433	-14232	018770	111	1010011	100	1001111	03
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032122	-00046	032076	014672	-00432	-14240	018800	111	1010010	100	1010000	03
032122	-00047	032075	014675	-00431	-14244	018810	111	1010001	100	1010001	03
032122	-00048	032074	014678	-00432	-14246	018820	111	1010000	100	1010000	03
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032123	-00046	032077	014684	-00426	-14258	018844	111	1010010	100	1010110	03
031744	-00049	031717	006350	-00429	-05921	026085	111	1001111	100	1010011	03
032123	-00049	032074	014688	-00425	-14263	018860	111	1001111	100	1010111	03
032123	-00051	032072	014690	-00430	-14260	018870	111	1001101	100	1010010	03
032123	-00050	032073	014693	-00425	-14268	018880	111	1001110	100	1010111	03
032124	-00051	032073	014705	-00435	-14270	018930	111	1001101	100	1001101	03
032124	-00053	032071	014708	-00425	-14283	018940	111	1001011	100	1010111	03
032124	-00055	032069	014725	-00426	-14299	019010	111	1001001	100	1010110	03
032125	-00055	032070	014728	-00425	-14303	019020	111	1001001	100	1010111	03
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032125	-00054	032071	014733	-00419	-14314	019040	111	1001010	100	1011101	03
032125	-00055	032070	014736	-00420	-14316	019050	111	1001001	100	1011100	03
032125	-00056	032069	014738	-00420	-14318	019060	111	1001000	100	1011100	03
032125	-00054	032071	014740	-00412	-14328	019070	111	1001010	100	1100100	03
032125	-00055	032070	014743	-00412	-14331	019080	111	1001001	100	1100100	03
032125	-00058	032067	014745	-00417	-14328	019090	111	1000110	100	1011111	03
032125	-00054	032071	014748	-00413	-14335	019100	111	1001010	100	1100011	03
031746	-00053	031713	006350	-00409	-05941	026085	111	1001011	100	1100111	03

032126	-00063	032063	014763	-00410	-14353	019160	111	1000001	100	1100110	03
032127	-00063	032063	014765	-00408	-14357	019170	111	1000001	100	1101000	03
032127	-00066	032061	014773	-00410	-14363	019200	111	0111110	100	1100110	03
032128	-00069	032059	014800	-00419	-14381	019309	111	0111011	100	1011101	03
032128	-00065	032043	014800	-00419	-14381	019310	111	0101011	100	1011101	03
032128	-00085	032043	014806	-00422	-14384	019336	111	0101011	100	1011010	03
032128	-00087	032041	014807	-00426	-14381	019340	111	0101001	100	1010110	03
032128	-00088	032040	014810	-00426	-14384	019350	111	0101000	100	1010110	03
032128	-00090	032038	014812	-00426	-14386	019360	111	0100110	100	1010110	03
032129	-00091	032038	014815	-00427	-14388	019370	111	0100101	100	1010101	03
032129	-00093	032036	014817	-00428	-14389	019380	111	0100011	100	1010100	03
032129	-00094	032035	014820	-00427	-14393	019390	111	0100010	100	1010101	03
032129	-00095	032034	014822	-00430	-14392	019400	111	0100001	100	1010010	03
031766	-00095	031671	006350	-00428	-05922	026085	111	0100001	100	1010100	03
032129	-00100	032030	014832	-00433	-14399	019440	111	0011101	100	1001111	03
032129	-00101	032026	014834	-00435	-14399	019450	111	0011011	100	1001101	03
032130	-00102	032028	014837	-00436	-14401	019460	111	0011010	100	1001100	03
032130	-00103	032027	014839	-00439	-14400	019470	111	0011001	100	1001001	03
032130	-00105	032025	014842	-00440	-14402	019480	111	0010111	100	1001000	03
032130	-00105	032025	014844	-00439	-14405	019490	111	0010111	100	1001001	03
032130	-00108	032022	014849	-00441	-14408	019510	111	0010100	100	1000111	03
032130	-00108	032022	014851	-00443	-14408	019520	111	0010100	100	1000101	03
032130	-00108	032022	014854	-00442	-14412	019530	111	0010100	100	1000110	03
032130	-00108	032022	014856	-00440	-14416	019540	111	0010100	100	1001000	03
032131	-00110	032021	014864	-00447	-14417	019571	111	0010010	100	1000001	03
032131	-00112	032019	014866	-00449	-14417	019580	111	0010000	100	0111111	03
032131	-00111	032020	014868	-00445	-14423	019590	111	0010001	100	1000011	03
031766	-00113	031653	006350	-00450	-05900	026085	111	0001111	100	0111110	03

IS COMPLETE.....

280-120

1500-1960

4570

FIG. 4.4. EAST LOS ANGELES RUN PRINTOUT

CARO SECURITY FIELD TEST PROGRAM

AM PHASE TESTING AND MAPPING

THE RUN START TIME IS - 12:15:20

THE OPERATOR NAME IS - G. W. WOLF

THE ENTERED DATE IS 19-FEB-77

THE POLLING RATE IS - 9

PHIXT	PHIXA	ERROR	PHIYT	PHIYA	ERROR	DIST.	XLA	XSUB	YLA	YSUB	SPL
-------	-------	-------	-------	-------	-------	-------	-----	------	-----	------	-----

RUN STARTED AT - HHMMSS

RUN START EXECUTED AT - 12:15:29

031273	-00392	031281	008554	000447	-09103	000000	011	0110000	011	0111111	X
031273	-00595	031278	008654	000440	-09076	000000	011	0101101	011	0111000	X
031273	-00003	031270	008654	-000002	-08654	000000	111	1111101	111	1111110	X
031273	000002	031275	008659	000006	-08645	000010	000	0000010	000	0000110	X
031273	000002	031274	008662	000008	-08670	000020	000	0000011	000	0001000	X
031273	000003	031274	008664	000011	-08677	000030	000	0000011	000	0001011	X
031273	000005	031278	008669	000018	-08687	000040	000	0000101	000	0010010	X
031273	000003	031274	008673	000017	-08690	000050	000	0000011	000	0010001	X
031273	000005	031278	008676	000024	-08700	000060	000	0000101	000	0011000	X
031274	000004	031278	008680	000023	-08703	000070	000	0000100	000	0010111	X
031274	000005	031279	008683	000027	-08710	000080	000	0000101	000	0011011	X
031274	000006	031280	008687	000031	-08718	000090	000	0000110	000	0011111	X
031274	000005	031279	008690	000030	-08720	000100	000	0000101	000	0011110	X
031274	000007	031273	0086350	000037	-06387	026085	000	0000111	000	0100101	X
031274	000006	031280	008700	000039	-08739	000130	000	0000110	000	0100111	X
031275	000005	031280	008704	000040	-08744	000140	000	0000101	000	0101000	X
031275	000009	031284	008707	000046	-08753	000150	000	0001001	000	0101110	X
031275	000006	031281	008711	000042	-08753	000160	000	0000110	000	0101010	X
031275	000009	031284	008714	000050	-08764	000170	000	0001001	000	0110010	X
031276	000009	031285	008725	000056	-08781	000200	000	0001001	000	0111000	X
031276	000009	031285	008728	000057	-08783	000210	000	0001001	000	0111001	X
031276	000008	031284	008731	000053	-08787	000220	000	0001000	000	0111000	X
031276	000011	031287	008733	000057	-08802	000230	000	0001011	000	1000011	X
031276	000009	031285	008734	000063	-08801	000240	000	0001001	000	0111111	X
031276	000009	031285	008742	000066	-08808	000250	000	0001001	000	1000010	X
031276	000011	031287	008745	000071	-08816	000260	000	0001011	000	1000111	X
031277	000009	031284	008749	000070	-08819	000270	000	0001001	000	1000110	X
031277	000010	031287	008753	000073	-08826	000283	000	0001010	000	1001001	X
031277	000011	031288	008756	000079	-08835	000290	000	0001011	000	1001111	X
031278	000009	031275	008830	010074	-06426	026085	000	0001001	000	1001111	X
031277	000011	031288	008762	000079	-08841	000310	000	0001011	000	1001111	X
031277	000010	031287	008766	000084	-08851	000320	000	0001010	000	1010110	X
031278	000010	031288	008769	000085	-08854	000330	000	0001010	000	1010101	X
031278	000011	031289	008772	000093	-08866	000340	000	0001011	000	1011101	X
031278	000011	031289	008774	000096	-08872	000350	000	000101	000	1100000	X
031278	000009	031287	008780	000096	-08876	000360	000	000101	000	1100000	X

[illegible]

031892	000018	031910	009107	000389	-09456	001310	000	0010010	011	0000101	X	
031	2	000020	031912	009110	000396	-09506	001320	000	0010100	011	0001100	X
031893	000020	031913	009114	000397	-09511	001330	000	0010100	011	0001101	X	
031893	000019	031912	009117	000399	-09516	001340	000	0010011	011	0001111	X	
031893	000019	031912	009121	000401	-09522	001350	000	0010011	011	0010001	X	
031766	000021	031787	006350	000407	-06757	026085	000	0010101	011	0010111	X	
031893	000020	031913	009128	000406	-09534	001370	000	0010100	011	0010110	X	
031894	000018	031912	009134	000400	-09536	001393	000	0010010	011	0010000	X	
031894	000015	031909	009138	000402	-09540	001400	000	0001111	011	0010010	X	
031894	000014	031908	009145	000385	-09530	001421	000	0001110	011	0000001	X	
031894	000012	031906	009148	000379	-09527	001430	000	0001100	010	1111011	X	
031894	000011	031905	009152	000387	-09539	001440	000	0001011	011	0000011	X	
031894	000009	031903	009155	000393	-09548	001450	000	0001001	011	0001001	X	
031895	000009	031904	009159	000400	-09559	001460	000	0001001	011	0010000	X	
031895	000008	031910	009162	000418	-09580	001470	000	0001111	011	0100010	X	
031895	000007	031911	009165	000425	-09581	001480	000	0001101	011	0100001	X	
031895	000017	031912	009169	000427	-09598	001490	000	0010001	011	0101101	X	
031895	000017	031912	009172	000435	-09610	001500	000	0010001	011	0110110	X	
031895	000023	031918	009179	000453	-09632	001520	000	0010111	011	1000101	X	
031896	000022	031918	009183	000452	-09635	001530	000	0010110	011	1000100	X	
031896	000025	031921	009186	000457	-09643	001540	000	0011001	011	1001001	X	
031766	000024	031790	006350	000460	-06810	026085	000	0011000	011	1001100	X	
031896	000027	031923	009193	000468	-09661	001560	000	0011011	011	1010100	X	
031896	000023	031919	009197	000465	-09662	001570	000	0010111	011	1010001	X	
031896	000026	031922	009200	000472	-09672	001580	000	0011010	011	1011000	X	
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031897	000027	031924	009207	000482	-09689	001600	000	0011011	011	1100010	X	
031897	000025	031922	009210	000481	-09691	001610	000	0011001	011	1100001	X	
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031898	000030	031928	009248	000521	-09769	001720	000	0011110	100	0001001	X	
031899	000029	031928	009252	000522	-09774	001730	000	0011101	100	0001010	X	
031899	000031	031930	009255	000528	-09783	001740	000	0011111	100	0010000	X	
031899	000033	031932	009258	000535	-09793	001750	000	0100001	100	0010111	X	
031899	000031	031930	009262	000532	-09794	001760	000	0011111	100	0010100	X	
031899	000030	031929	009265	000533	-09798	001770	000	0011110	100	0010101	X	
031899	000032	031931	009269	000540	-09809	001780	000	0100000	100	0011100	X	
031899	000033	031932	009272	000545	-09817	001790	000	0100001	100	0100001	X	
031900	000032	031932	009279	000546	-09825	001810	000	0100000	100	0100010	X	
031900	000034	031934	009283	000554	-09837	001820	000	0100010	100	0101010	X	
031900	000034	031934	009286	000556	-09842	001830	000	0100010	100	0101100	X	
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031900	000034	031934	009293	000560	-09853	001850	000	0100010	100	0110000	X	
031901	000035	031936	009300	000569	-09869	001870	000	0100011	100	0111001	X	
031901	000036	031937	009303	000571	-09874	001880	000	0100100	100	0111011	X	
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031902	000037	031939	009338	000601	-09939	001980	000	0100101	100	1011001	X	
031902	000038	031940	009341	000610	-09951	001990	000	0100110	100	1100010	X	
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031903	000040	031943	009365	000634	-09999	002060	000	0101000	100	1111010	X	
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031904	000039	031943	009379	000642	-10021	002100	000	0100111	101	0000010	X	
1904	000041	031945	009382	000649	-10031	002110	000	0101001	101	0001001	X	
1904	000040	031944	009386	000650	-10036	002120	000	0101000	101	0001010	X	
031904	000041	031945	009389	000656	-10045	002130	000	0101001	101	0010000	X	
031905	000042	031947	009393	000659	-10052	002140	000	0101010	101	0010011	X	
031905	000041	031946	009396	000661	-10057	002150	000	0101001	101	0010101	X	
031905	000041	031946	009399	000663	-10062	002160	000	0101001	101	0010111	X	
031905	000042	031947	009403	000674	-10077	002170	000	0101010	101	0100010	X	
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032145	000372	032517	015163	-00117	-15046	020860	010	1110100	111	0001011	03
032145	000371	032516	015165	-00118	-15047	020870	010	1110011	111	0001010	03
032145	000371	032516	015167	-00114	-15051	020880	010	1110011	111	0001110	03
032146	000369	032515	015172	-00116	-15051	106 0900	010	1110001	111	0001100	03
032146	000371	032517	015174	-00107	-15061	020910	010	1110011	111	0010101	03
032146	000369	032514	015178	-00110	-15068	020930	010	1110000	111	0010010	03
032146	000368	032511	015180	-00113	-15067	020940	010	1101101	111	0001111	03
032146	000367	032510	015182	-00111	-15071	020950	010	1101101	111	0010001	03

[illegible]

032157	000261	032423	015379	-00112	-15267	031880	010	0001011	111	0010000	03
032157	000262	032424	015381	-00107	-15274	021890	010	0001100	111	0010101	03
032157	000263	032425	015384	-00105	-15279	021903	010	0001101	111	0010111	03
032157	000264	032426	015385	-00102	-15277	021910	010	0001000	111	0010100	03
032157	000265	032427	015387	-00108	-15279	021920	010	0000111	111	0010100	03
032157	000266	032428	015389	-00101	-15282	021930	010	0001001	111	0011011	03
032157	000267	032429	015391	-00103	-15288	021940	010	0000111	111	0011001	03
032157	000268	032430	015393	-00105	-15288	021950	010	0000110	111	0010111	03
032157	000269	032431	015395	-00106	-15289	021960	010	0000101	111	0010110	03
032157	000270	032432	015397	-00101	-15296	021970	010	0000101	111	0011011	03
032157	000271	032433	015399	-00103	-15296	021980	010	0000011	111	0011001	03
032158	000272	032434	015401	-00107	-15294	021990	010	0000000	111	0010101	03
032158	000273	032435	015405	-00104	-15301	022010	010	0000000	111	0011000	03
032158	000274	032436	015407	-00103	-15304	022020	001	1111111	111	0011001	03
032158	000275	032437	015409	-00103	-15306	022030	001	1111111	111	0011001	03
032158	000276	032438	015411	-00098	-15311	022040	001	1111111	111	0011001	03
032158	000277	032439	015413	-00094	-15316	022050	001	1111111	111	0011001	03
032158	000278	032440	015415	-00094	-15321	022060	001	1111111	111	0100010	03
032158	000279	032441	015417	-00098	-15319	022070	001	1111010	111	0011110	03
032158	000280	032442	015419	-00099	-15320	022080	001	1111000	111	0011101	03
032158	000281	032443	015421	-00095	-15323	022090	001	1111000	111	0011110	03
032158	000282	032444	015423	-00091	-15332	022100	001	1111000	111	0100101	03
032158	000283	032445	015425	-00091	-15334	022110	001	1110111	111	0100201	03
032158	000284	032446	015427	-00095	-15332	022120	001	1110101	111	0100001	03
032158	000285	032447	015429	-00093	-15336	022130	001	1110100	111	0100011	03
032158	000286	032448	015431	-00091	-15340	022140	001	1110011	111	0100101	03
032158	000287	032449	015433	-00087	-15346	022150	001	1110100	111	0101001	03
032158	000288	032450	015435	-00087	-15348	022160	001	1110010	111	0101001	03
032158	000289	032451	015437	-00089	-15349	022170	001	1110001	111	0101000	03
032158	000290	032452	015439	-00089	-15351	022180	001	1101111	111	0101000	03
032158	000291	032453	015441	-00086	-15355	022190	001	1101111	111	0101010	03
032158	000292	032454	006350	-00082	-06268	022200	001	1101111	111	0101110	03
032158	000293	032455	015445	-00081	-15364	022210	001	1101111	111	0101110	03
032158	000294	032456	015447	-00086	-15361	022220	001	1101011	111	0101010	03
032158	000295	032457	015449	-00087	-15362	022230	001	1101001	111	0101001	03
032158	000296	032458	015451	-00083	-15368	022240	001	1101001	111	0101101	03
032158	000297	032459	015453	-00079	-15374	022250	001	1101011	111	0110001	03
032158	000298	032460	015455	-00076	-15379	022260	001	1101010	111	0110100	03
032158	000299	032461	015457	-00082	-15375	022270	001	1100111	111	0101110	03
032158	000300	032462	015459	-00081	-15378	022280	001	1100111	111	0101111	03
032158	000301	032463	015461	-00077	-15384	022290	001	1100110	111	0110011	03
032158	000302	032464	015463	-00075	-15388	022300	001	1100110	111	0110101	03
032158	000303	032465	015465	-00075	-15390	022310	001	1100101	111	0110101	03
032158	000304	032466	015467	-00080	-15387	022320	001	1100011	111	0110000	03
032158	000305	032467	015469	-00078	-15391	022330	001	1100011	111	0110010	03
032158	000306	032468	015471	-00074	-15397	022340	001	1100011	111	0110110	03
032158	000307	032469	015473	-00073	-15400	022350	001	1100100	111	0110111	03
032158	000308	032470	006350	-00078	-06272	022360	001	1100001	111	0110010	03
032158	000309	032471	015476	-00083	-15393	022370	001	1011110	111	0101101	03
032158	000310	032472	015478	-00081	-15397	022380	001	1011111	111	0101111	03
032158	000311	032473	015480	-00091	-15399	022390	001	1011110	111	0101111	03
032158	000312	032474	015482	-00089	-15393	022400	001	1011010	111	0100111	03
032158	000313	032475	015484	-00097	-15387	022410	001	1011010	111	0011111	03
032158	000314	032476	015486	-00079	-15396	022420	001	1011000	111	0100110	03
032158	000315	032477	015488	-00077	-15391	022430	001	1010100	111	0011111	03
032158	000316	032478	015490	-00098	-15392	022440	001	1010011	111	0011110	03
032158	000317	032479	015492	-00097	-15395	022451	001	1010101	111	0011111	03
032158	000318	032480	015496	-00101	-15395	022472	001	1010000	111	0011011	03
032158	000319	032481	015497	-00092	-15400	022484	001	1001110	111	0100100	03
032158	000320	032482	015500	-00098	-15400	022490	001	1001011	111	0011110	03
032158	000321	032483	015509	-00085	-15424	022540	001	1001010	111	0101011	03
032158	000322	032484	015511	-00084	-15427	022550	001	1001001	111	0101300	03
032158	000323	032485	015514	-00076	-15438	022563	001	1001011	111	0110100	03
032158	000324	032486	006350	-00072	-06278	022585	001	1001010	111	0111000	03
032158	000325	032487	015517	-00057	-15488	022780	001	0110111	111	1000111	03

032164	000198	032352	015521	-00065	-15453	022603	001	1000110	111	0111100	03
032164	000197	032351	015523	-00063	-15460	022610	001	1000101	111	1000001	03
032164	000193	032357	015524	-00069	-15455	022620	001	1000001	111	0111101	03
032164	000194	032358	015526	-00059	-15467	022630	001	1000010	111	1000101	03
032165	000191	032359	015528	-00056	-15472	022640	001	1000010	111	1000100	03
032165	000191	032356	015530	-00058	-15472	022650	001	0111111	111	1000110	03
032165	000196	032353	015532	-00062	-15470	022660	001	0111100	111	1000010	03
032165	000197	032352	015536	-00061	-15475	022681	001	01111011	111	1000011	03
032165	000196	032351	015543	-00060	-15483	022720	001	01111010	111	1000100	03
032166	000188	032354	015545	-00055	-15490	022730	001	01111100	111	1001001	03
032166	000186	032352	015549	-00058	-15491	022750	001	01111010	111	1000110	03
032166	000185	032351	015551	-00060	-15491	022760	001	01111001	111	1000100	03
032166	000184	032350	015553	-00058	-15495	022770	001	01111000	111	1000110	03
032166	000184	031950	006750	-00057	-06293	026055	001	01111000	111	1000110	03

ADD 12 COMPLETE.....

FIG. 4.5. COMMUNICATIONS SURVEY RAW DATA

111

★
Watching changes
meter now

Telegraph & Newell

Entrance to Transon
underwire

We were taking (grinned)
asking permission to go
inside Transon

Entering Transon yard

Telegraph E 605
getting gear
954 AM

Starting toward Signal Hill

605 & Imperial

Leaving Transon

0 true min

0 ? could have been somebody

Arden & Park

← PCH & 1st

0 min
0 "

0 joined on RTN

0 min

0 on PCH & Lakewood
RTN

Bellflower & PCH

delayed

0 true min

0 ~~from~~ ? joined, superior

← 405 E Lakewood

0 true min
0 on RTN

← PCH & 7th

Alameda & Victoria

5-2

Alameda & El Segundo

Alameda & Imperial

Santa Fe & ^{? Riverside} ~~Imperial~~

Long Beach [?] Del Oro

Del Oro & Santa Fe

Del Oro & Alameda
(going out & back
to Del Oro)

Santa Fe & Alameda

Alameda & Alameda

Alameda & [?] Juarez

Alameda & Manchester

Alameda & Rosemead

Alameda & Page

Break ^{853 AM} by maps

O miss

Alameda & Slauson

← Alameda & 3rd

Alameda & Vernon

← 4th & Los Angeles

← Alameda & 25th

3rd & Hill

Alameda & 15th

← 2nd & Hill

Break for Lunch

Alameda & Olympic

← 7th & Los Angeles

APPENDIX F

AEROSPACE DATA PACKAGE

ABSTRACT/SUMMARY

This memorandum contains the analysis and discussion of the location testing and computer precision involved in the Cargo Security System Test conducted on 5 May 1978.

CARGO SECURITY LOCATION TESTING AND COMPUTER PRECISION

This memo covers discussions by R. E. Rice and A. L. Atlas on the testing conducted Friday, 5 May 1978. These tests were conducted in response to the memo written by A. L. Atlas, dated 3 April 1978, based on a discussion held on the need for explanation of certain anomalous conditions that have been happening in the past observations of the Cargo Security Systems Location Testing. The last part of this memo pertains to the internal precision of the computer, namely the DEC PDP 11/34.

The testing was conducted in five parts. Each part was divided into two different tests over the same route. The difference is that one test was run with an automatic polling of the vehicle, and the other test reported reset signposts and rollover events only. The exception to this is Part-5 which was run in the automatic polling mode only. The tests were conducted in the following order:

Part 1: Same route as in test report (clean area)

TEST 1 - Rollover and reset signpost events only

1. Reset signpost S/N 47-064, #230 at Alondra and Main
2. Proceed north on Main to Redondo Beach Blvd.
3. Proceed east on Redondo Beach Blvd. to San Pedro
4. Proceed south on San Pedro (runs into Avalon) to Alondra
5. Proceed west on Alondra to Main
6. Park and allow base station to zero out the AM phase registers and set up automatic polling for TEST 2.

TEST 2 - Automatic Polling and Rollover events

1. Repeat items 2 - 5 of TEST 1 in the same order.

Part 2: High Voltage Anomalous Test Area

TEST 3 - Automatic Polling

1. Zero out the AM Phase registers in preparation for this test (Alondra and Main)

2. Proceed north on Main to Compton
3. Proceed east on Compton (runs into Redondo Beach)
4. Continue on Redondo Beach to Central
5. Make U-Turn and continue west on Redondo Beach Blvd. to San Pedro
6. Proceed south on San Pedro (Avalon) to Alondra
7. Proceed west on Alondra to Main
8. Park and allow base station to zero out the AM Phase registers and disable the automatic polling for TEST 4.

TEST 4 -

1. Repeat items 2 - 7 of TEST 3 in the same order.

Part 3 : Underpass Testing

TEST 5 - Rollover events only

1. Proceed west on Alondra from Alondra and Main to Ainsworth, going under the Harbor Freeway underpass
2. Make U-Turn at Ainsworth and proceed east on Alondra to Alondra and Main
3. Make U-Turn, park at Alondra and Main to allow base station to zero out the AM Phase registers and enable automatic polling for TEST 6.

TEST 6 - Automatic Polling

1. Repeat items 1 - 2 of TEST 5 in the same order.

Part 4 : Prior Anomalous area in vicinity of Pacific Coast Highway and Anaheim on Avalon (now explainable by High Voltage)

TEST 7 - Reset Signposts and Rollover Events only

1. Proceed north on Avalon from Anaheim to Pacific Coast Highway
2. Return to start point, have base station zero out the AM Phase registers.

TEST 8 - Automatic Polling

1. Repeat item 1 of TEST 7.

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Part 5 : Further Testing of Prior Anomalous Area

TEST 9 - Automatic Polling

1. Proceed north on Avalon from Anaheim to PCH
2. Proceed east on PCH to Alameda
3. Proceed south on Alameda to Anaheim
4. Proceed west on Anaheim to Avalon
5. Proceed north on Avalon to PCH

NOTE: Route traveled between Part 3 and 4 as follows:
East on Alondra, South on Avalon, to Anaheim for TEST 7
of Part 4.

ANALYSIS

Tables 1 and 2 are the raw data printed on the DEC writer for TEST 1 and 2 of Part 1. Column 1 represents vehicle ID; column 2 signifies it is a vehicle message; column 3 is the cumulative Phase A in decimal counts; column 4 is the cumulative Phase B in decimal counts; column 5 is the computed X location corresponding to the Phase A and Phase B pair in column 3 and 4 (in decimal counts - missing the scale factor of 10 and bias of 4 million); column 6 is the computed X location corresponding to the Phase A and Phase B pair in columns 3 and 4; column 7 is the signpost number in decimal (i.e., represents last reset signpost reported by vehicle); column 8 is the decimal representation of the two byte concatenation of the accumulated rollovers; column 9 is the decimal representation of the two byte concatenation of the Phase A and Phase B vehicle registers; column 10 is the coded message type word where: 289 is Reset Sign Post, 353 is response to a location request from base station, 417 is a rollover event reported by vehicle; column 11 is the decimal representation of UP-LINK 16 bit data word from the vehicle.

33	V	-02113	-01081	E020484	007676	020608	-00000	-00000	000289	020608
C MSG 018 - VID 33										
33	V	-02570	-01153	S020433	007076	024192	-00000	-00000	000289	024192
C MSG 018 - VID 33										
33	V	-02570	-01153	S020433	007076	024192	-00000	-00000	000289	024192
33	V	-02570	-01153	S020433	007076	024192	-00000	-00000	000289	024192
33	V	-02498	-01146	E020429	007187	024192	-00000	018439	000417	018439
S MSG 010										
33	V	-02370	-01122	N020456	007347	024192	-00000	-14305	000417	-14305
33	V	-02307	-01082	N020558	007345	024192	000256	001863	000417	001863
33	V	-02243	-01042	S020659	007345	024192	000256	018287	000417	018287
33	V	-02355	-01025	N020748	007097	024192	-00000	-10368	000417	-10368
33	V	-02420	-01065	N020649	007093	024192	-00000	-27048	000417	-27048
33	V	-02483	-01102	N020558	007086	024192	-00000	022323	000417	022323

TABLE 1

TEST 1 of PART 1

33	V	-02564	-01151	N020437	007081	024192	-00000	001538	(000417)	00153
R895										
33	V	-02571	-01153	S020433	007074	024192	-00256	-00256	000353	-0025
33	V	-02571	-01153	S020433	007074	024192	-00256	-00256	000353	-0025
33	V	-02571	-01153	S020433	007074	024192	-00256	-00256	000353	-0025
33	V	-02568	-01152	S020435	007077	024192	-00000	000513	000353	00051
33	V	-02521	-01154	E020412	007169N	024192	000255	012799	000353	01279
33	V	-02492	-01146	S020426	007198	024192	-00000	019975	000353	01997
33	V	-02472	-01144	E020425	007228	024192	-00000	025097	000353	02509
33	V	-02449	-01142	E020423	007264	024192	-00000	030987	000353	03098
33	V	-02424	-01138	E020426	007297	024192	-00000	-28145	000353	-2814
33	V	-02398	-01135	S020425	007334	024192	-00000	-21486	000353	-2148
33	V	-02371	-01122	N020456	007345	024192	-00000	-14561	(000417)	-1456
33	V	-02353	-01110	N020487	007343	024192	-00000	-09941	000353	-0994
33	V	-02326	-01094	N020527	007345	024192	-00000	-03013	000353	-0301
33	V	-02306	-01082	N020558	007347E	024192	000256	002119	(000417)	00211
33	V	-02296	-01074	W020579	007342	024192	000256	004687	000353	00468
33	V	-02258	-01052	S020634	007347	024192	000256	014437	000353	01443
33	V	-02243	-01042	S020659	007345	024192	000256	018287	(000417)	01828
33	V	-02235	-01032	S020688	007332	024192	000256	020345	000353	02034
33	V	-02262	-01029	E020706	007276	024192	000256	013436	000353	01343
33	V	-02275	-01030	S020707	007255	024192	000256	010107	000353	01010
33	V	-02314	-01022	E020744	007163	024192	000256	000131	000353	00013
33	V	-02338	-01024	E020746	007125	024192	-00000	-06015	000353	-0601
33	V	-02347	-01024	N020748	007108	024192	-00000	-08319	000353	-0831
33	V	-02357	-01028	N020740	007102	024192	-00000	-10883	000353	-1088
33	V	-02385	-01038	S020719	007079S	024192	-00000	-18061	000353	-1806
33	V	-02419	-01066	N020646	007098	024192	-00000	-26793	(000417)	-2679
33	V	-02450	-01088	E020590	007105	024192	-00000	030785	000353	03078
33	V	-02483	-01104	N020552	007092	024192	-00000	022321	(000417)	02232
33	V	-02531	-01129	S020493	007077	024192	-00000	010008	000353	01000
33	V	-02564	-01151	N020437	007081	024192	-00000	001538	000353	00153
33	V	-02562	-01152	N020433	007088	024192	-00000	002049	000353	00204
33	V	-02568	-01154	N020429	007083W	024192	000255	000767	000353	00076
33	V	-02565	-01153	N020431	007086	024192	-00000	001280	000353	00128
33	V	-02566	-01153	N020431	007086	024192	-00000	001024	000353	00102
33	V	-02566	-01153	N020431	007086	024192	-00000	001024	000353	00102

TABLE 2

TEST 2 of PART 1

Table 3 shows for both TESTS 1 and 2 of Part 1 the event number, up-link data word reduced to major and minor phase counts and the accumulated Rollovers that have to be added in on the cumulative Phase A and B words used in computation for the X-Y location. All up-link data from Table 1 is shown in this table for TEST 1. The data from Table 2 (TEST 2) is shown only at the beginning of test, around rollovers and in the areas of interest. The peculiar happening here is we seem to be missing two Rollover events in TEST #2. As compared to TEST 1, event 2 should have come in between event 6 and 7 of TEST 2. Event 6 of TEST 1 should have come in between events 24 and 25 of TEST 2. It is thought that there probably was an automatic poll around this time and the Rollover event was lost (i. e., either not reported or reported but not printed). However, it does not appear to have caused any problems in the accumulated registers.

Figure 1 is a map of the intended route. The Xs represent the reports in TEST 1 and the Os represent the reports from TEST 2.

Figure 2 is a Phase plot for the reduced data from both TEST 1 and 2. It shows that we have repeatability in both tests and we have closure from beginning to end of test.

EVENT NO.	EVENT TYPE	UP-LINK DATA WORD	φA	φB	R.O. ACC "A"	R.O. ACC "B"
<u>TEST 1</u>						
1	S.P.	24192 →	relates to Signpost 44-064 at Alondra & Main			
2	R.O.	18439 →	2, 8	0, 7	0	0
3	R.O.	-14305 →	6, 8	0, 31	0	0
4	R.O.	1863 →	0, 7	2, 7	1	0
5	R.O.	18287 →	2, 7	3, 15	1	0
6	R.O.	-10368 →	6, 23	4, 0	0	0
7*	R.O.	-27048 →	4, 22	2, 24	0	0
8	R.O.	22323 →	2, 23	1, 19	0	0
<u>TEST 2</u>						
1	R.O.	1538 →	0, 6	0, 2	0	0
2, 3, 4	L.R.	- 256 →	7, 30	0, 0	-1	0
5	L.R.	513 →	0, 2	0, 1	0	0
6	L.R.	12799 →	1, 17	7, 31	0	-1
7	L.R.	19975 →	2, 14	0, 7	0	0
12	R.O.	-14561 →	6, 7	0, 31 (T1, P3)	0	0
15	R.O.	2119 →	0, 4	2, 7 (T1, P4)	1	0
18	R.O.	18287 →	2, 7	3, 15 (T1, P5)	1	0
24	L.R.	- 8319 →	6, 31	4, 1	0	0
25*	L.R.	-10883 →	6, 21	3, 29	0	0
27	R.O.	-26793 →	4, 23	2, 22 (T1, P7)	0	0
29	R.O.	-22321 →	2, 23	1, 17 (T1, P8)	0	0
32	L.R.	2049 →	0, 8	0, 1	0	0
33	L.R.	767 →	0, 2	7, 31	0	-1
34	L.R.	1280 →	0, 5	0, 0	0	0
* Believed to have missed Rollover Report.						

TABLE 3

ACTUAL TEST ROUTE
 X TEST 1 (ROLLOVER AND SIGN POST EVENTS)
 O TEST 2 (AUTOMATIC POLLING, ROLLER EVENTS)

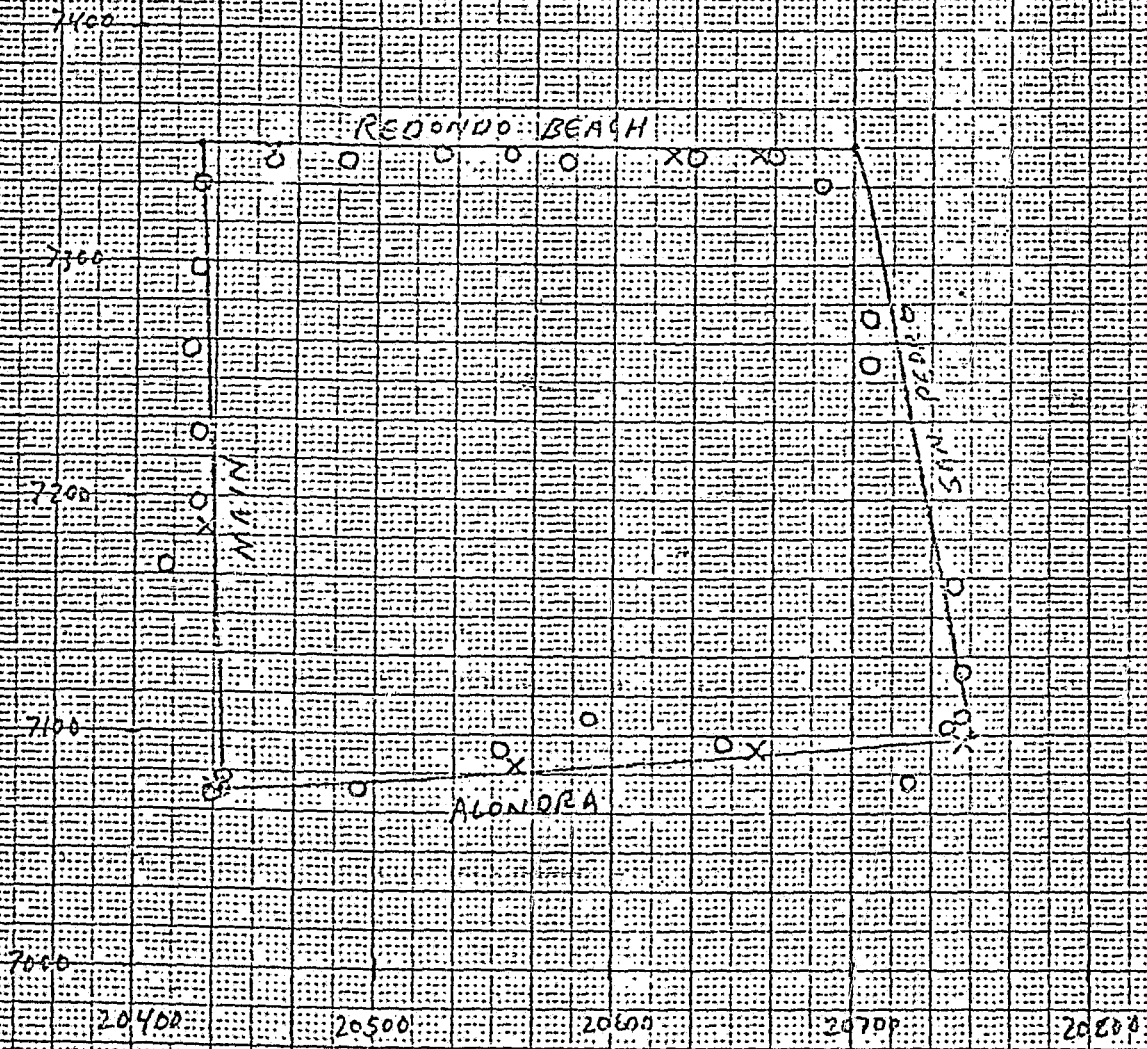


FIGURE 1

461510

10 X 10 TO THE CENTIMETER 18 X 25 CM.
 KEUFFEL & ESSER CO. MADE IN U.S.A.

FIGURE 2

TEST 1
TEST 2

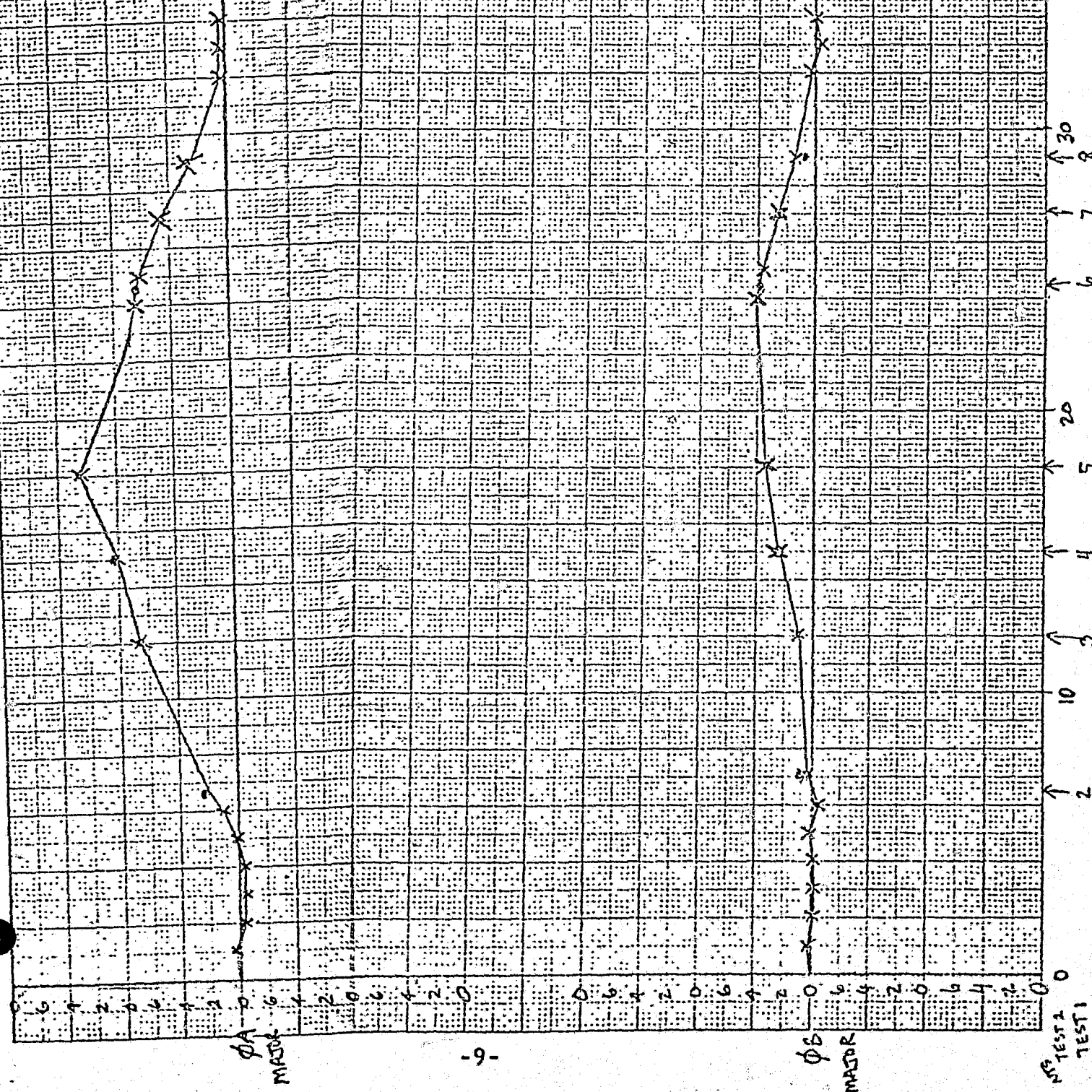


Table 4 is the raw data for TEST 3 of Part 2 (High Voltage Anomaly Area). This is the fast polled data.

Table 5 is the raw data for TEST 4 of Part 2. This data is the Roll-over events only.

Figure 3 is the above data plotted based on the X-Y coordinates for both tests.

Although there was not enough time to reduce the data thoroughly, preliminary analysis indicates that the data is coming up-link correctly, being accumulated correctly, and the X-Y location is being estimated to within a specific precision correctly. By observing the data on Figure 3, one notes that the vehicle reports never seem to get as far east as the vehicle actually travelled. The reported high voltage lines started at the intersection of Compton and Avalon (which is approximately San Pedro in the figure).

3	V	-02558	-01153	E020429	007098	024192	-00000	003072	000353	003072
3	V	-02535	-01152	E020423	007138	024192	-00000	008961	000353	008961
3	V	-02495	-01147	S020424	007195	024192	-00000	019206	000353	019206
3	V	-02466	-01144	E020423	007239	024192	-00000	026633	000353	026633
3	V	-02431	-01139	E020425	007287	024192	-00000	-29938	000353	-29938
3	V	-02403	-01136	E020424	007328	024192	-00000	-22767	000353	-22767
3	V	-02398	-01136	S020422	007337	024192	-00000	-21487	000353	-21487
3	V	-02397	-01136	S020422	007337	024192	-00000	-21231	000353	-21231
3	V	-02387	-01136	E020418	007357	024192	-00000	-18671	000353	-18671
3	V	-02371	-01133	E020421	007376	024192	-00000	-14572	000417	-14572
195	ALARM	MAIN	COMPTON	COMPTON	11:33A	CNTR MSR				
3	V	-02299	-01104	N020485	007421	024192	000256	003889	000353	003889
3	V	-02266	-01084	N020536	007422	024192	000256	001673	000353	012357
3	V	-02260	-01082	N020540	007427	024192	000256	013895	000417	013895
3	V	-02225	-01058	N020603	007421	024192	000256	022879	000353	022879
3	V	-02189	-01039	N020649	007432	024192	000256	032114	000353	032114
3	V	-02159	-01019	W020701	007429	024192	000256	-25722	000353	-25722
3	V	-02132	-01003	N020741	007432	024192	000256	-18794	000353	-18794
3	V	-02132	-01003	N020741	007432	024192	000256	-18794	000353	-18794
3	V	-02132	-01003	N020741	007432	024192	000256	-18794	000353	-18794
3	V	-02132	-01003	N020741	007432	024192	000256	-18794	000353	-18794
3	V	-02138	-00998	W020759	007408	024192	000256	-20325	000353	-20325
3	V	-02156	-01004	E020746	007393	024192	000256	-24939	000353	-24939
3	V	-02133	-01011	W020717	007452	024192	000256	-19058	000353	-19058
3	V	-02152	-01028	E020670	007465	024192	000256	-23939	000353	-23939
3	V	-02150	-01035	N020648	007488	024192	000256	-23434	000353	-23434
3	V	-02147	-01026	E020675	007469	024192	000256	-22657	000353	-22657
3	V	-02142	-01027	S020670	007480	024192	000256	-21378	000353	-21378
3	V	-02140	-01019	W020694	007462	024192	000256	-20858	000353	-20858
3	V	-02184	-01047	S020622	007462	024192	000256	-32150	000353	-32150
3	V	-02214	-01057	N020602	007438	024192	000256	025696	000353	025696
3	V	-02187	-01069	E020553	007518	024192	000256	032596	000353	032596
3	V	-02187	-01067	E020560	007512	024192	000256	032598	000353	032598
3	V	-02187	-01067	E020560	007512	024192	000256	032598	000353	032598
3	V	-02187	-01067	E020560	007512	024192	000256	032598	000353	032598
3	V	-02187	-01067	E020560	007512	024192	000256	032598	000353	032598
3	V	-02183	-01066	W020562	007514	024192	000256	71017	000353	-71017

TABLE 4
TEST 3 of PART 2

33	V	-02571	-01153	S020433	007074	024192	-00256	-00256	000353	-00256
33	V	-02499	-01147	E020426	007188	024192	-00000	018182	000417	018182
33	V	-02372	-01133	E020421	007374	024192	-00000	-14828	000417	-14828
33	V	-02261	-01082	N020541	007425	024192	000256	013639	000417	013639
33	V	-02242	-01066	N020584	007414	024192	000256	018519	000417	018519
33	V	-02121	-00953	W020890	007314	024192	000256	-15928	000417	-15928
33	V	-02114	-00967	N020845	007345	024192	000256	-14150	000417	-14150
33	V	-02106	-00948	E020900	007327	024192	000256	-12083	000417	-12083
33	V	-02227	-01004	W020770	007268	024192	000256	022421	000417	022421
33	V	-02353	-01001	W020818	007031	024192	-00000	-09832	000417	-09832
33	V	-02482	-01042	S020735	006911	024192	-00000	022639	000417	022639
33	V	-02518	-01066	W020676	006914	024192	-00000	013399	000417	013399
33	V	-02610	-01121	W020542	006906	024192	-00256	-10208	000417	-10208

TABLE 5

TEST 4 of PART 2

461510

10 X 10 TO THE CENTIMETER 18 X 25 CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.

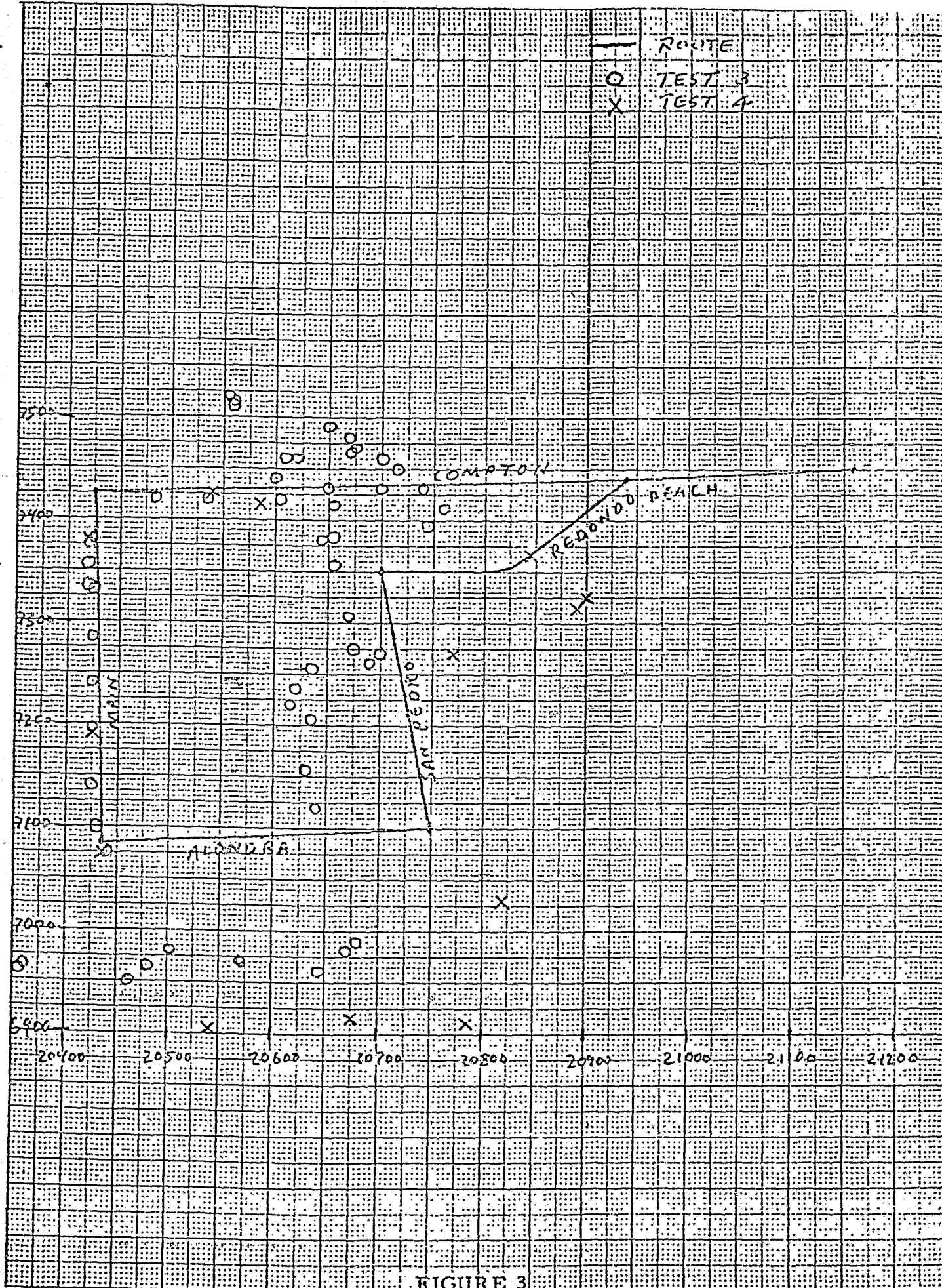


FIGURE 3

Table 6 displays the raw data from TEST 5 of Part 3 (the underpass anomalous area). This data is for the Rollover events only.

Table 7 displays the raw data from TEST 6 of Part 3 during the automatic polling phase.

Figure 4 is a plot of the route travelled and the reported locations from the vehicle.

One notes that after the vehicle actually travelled much beyond the underpass at the Harbor Freeway, the reports from the vehicle were still staying east of the underpass.

33	V	-02569	-01153	S020432	007078	024192	-00000	000256	000353	000256
33	V	-02616	-01193	N020326	007111	024192	-00001	-11560	000417	-11560
33	V	-02686	-01210	S020299	007033	024192	-00001	-29497	000417	-29497
33	V	-02738	-01243	W020215	007036	024192	-00001	022694	000417	022694
33	V	-02755	-01256	E020181	007044	024192	-00001	018329	000417	018329
33	V	-02686	-01209	S020302	007030	024192	-00001	-29496	000417	-29496
33	V	-02627	-01200	N020308	007111	024192	-00001	-14383	000417	-14383
33	V	-02500	-01125	N020494	007122	024192	-00000	017942	000417	017942

TABLE 6

TEST 5 of PART 3

3	V	-02570	-01153	S020433	007076	024192	-00000	-00000	000353	-00000
3	V	-02570	-01153	S020433	007076	024192	-00000	-00000	000353	-00000
3	V	-02568	-01153	S020432	007080	024192	-00000	000512	000353	000512
3	V	-02578	-01156	S020426	007070	024192	-00001	-01795	000353	-01795
3	V	-02583	-01169	W020388	007100	024192	-00001	-03088	000353	-03088
3	V	-02583	-01169	W020388	007100	024192	-00001	-03088	000353	-03088
3	V	-02583	-01169	W020388	007100	024192	-00001	-03088	000353	-03088
3	V	-02580	-01169	W020387	007105	024192	-00001	-02320	000353	-02320
3	V	-02617	-01193	N020326	007109	024192	-00001	-11816	000417	-11816
3	V	-02639	-01207	N020290	007110	024192	-00001	-17462	000353	-17462
3	V	-02657	-01216	W020269	007104	024192	-00001	-22079	000353	-22079
3	V	-02662	-01217	W020268	007098	024192	-00001	-23360	000353	-23360
3	V	-02678	-01226	W020246	007096	024192	-00001	-27465	000353	-27465
3	V	-02695	-01238	W020214	007100	024192	-00001	-31829	000353	-31829
3	V	-02697	-01248	E020183	007127	024192	-00001	-32351	000353	-32351
3	V	-02697	-01231	N020237	007076	024192	-00001	-32334	000353	-32334
3	V	-02685	-01208	S020304	007028	024192	-00001	-29239	000353	-29239
3	V	-02691	-01210	S020300	007023	024192	-00001	-30777	000353	-30777
3	V	-02708	-01213	W020297	007001	024192	-00001	030404	000353	030404
3	V	-02707	-01222	W020269	007030	024192	-00001	030651	000353	030651
3	V	-02739	-01242	W020219	007031	024192	-00001	022439	000417	022439
3	V	-02768	-01258	E020180	007026	024192	-00001	014999	000353	014999
3	V	-02776	-01262	W020170	007023	024192	-00001	012947	000353	012947
3	V	-02786	-01262	E020174	007005	024192	-00001	010387	000353	010387
3	V	-02788	-01263	W020171	007004	024192	-00001	009874	000353	009874
3	V	-02754	-01255	E020184	007043	024192	-00001	018586	000417	018586
3	V	-02741	-01244	W020213	007034	024192	-00001	021925	000353	021925
3	V	-02714	-01226	W020259	007029	024192	-00001	028855	000353	028855
3	V	-02689	-01210	S020297	007028	024192	-00001	-30265	000417	-30265
3	V	-02686	-01208	S020305	007026	024192	-00001	-29495	000353	-29495
3	V	-02697	-01218	W020278	007036	024192	-00001	-32321	000353	-32321
3	V	-02699	-01231	S020238	007072	024192	-00001	032690	000353	032690
3	V	-02699	-01238	N020216	007093	024192	-00001	032683	000353	032683
3	V	-02715	-01247	W020194	007091	024192	-00001	028578	000353	028578
3	V	-02715	-01247	W020194	007091	024192	-00001	028578	000353	028578
3	V	-02710	-01244	W020201	007091	024192	-00001	029861	000353	029861
3	V	-02702	-01238	N020217	007088	024192	-00001	031915	000353	031915
3	V	-02702	-01238	N020217	007088	024192	-00001	031915	000353	031915
3	V	-02699	-01237	N020219	007090	024192	-00001	032684	000353	032684
3	V	-02679	-01229	E020237	007103	024192	-00001	-27724	000353	-27724
3	V	-02642	-01210	W020282	007114	024192	-00001	-18233	000417	-18233
3	V	-02627	-01200	N020308	007111	024192	-00001	-14383	000417	-14383
3	V	-02622	-01196	N020319	007109	024192	-00001	-13099	000353	-13099
3	V	-02586	-01172	W020380	007103	024192	-00001	-03859	000353	-03859
3	V	-02561	-01159	N020411	007111	024192	000255	002554	000353	002554
3	V	-02534	-01138	N020466	007098	024192	-00000	009231	000353	009231
3	V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
3	V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
3	V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
3	V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
3	V	-02526	-01133	N020479	007098	024192	-00000	011284	000353	011284
3	V	-02525	-01133	N020479	007098	024192	-00000	011540	000353	011540
3	V	-02525	-01133	N020479	007098	024192	-00000	011540	000353	011540

TABLE 7

TEST 6 of PART 3

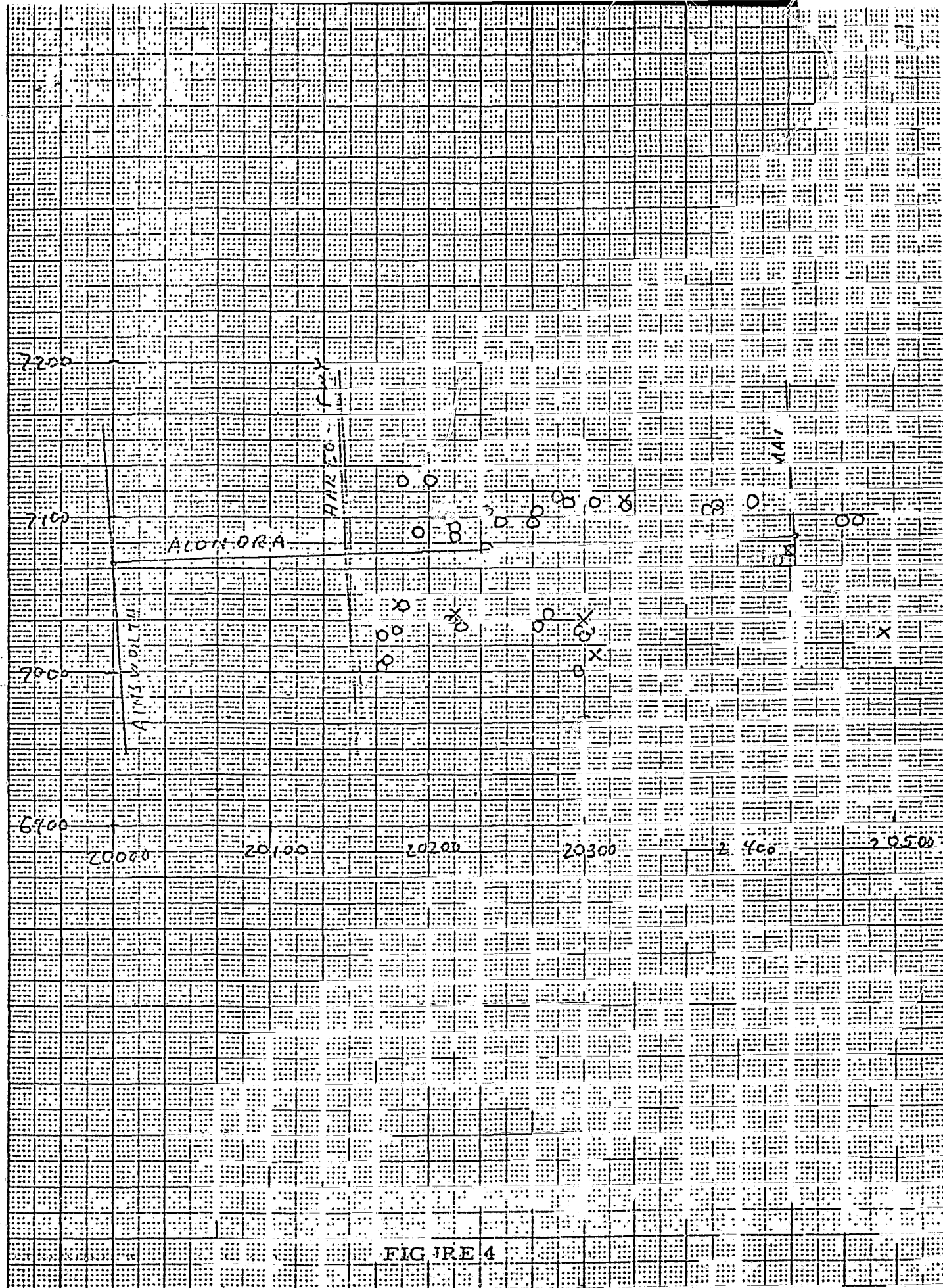


FIGURE 4

Table 8 displays the data from TEST 7 of Part 4. This data was Rollover events only. As one can see, there was only one Rollover event in the entire test. We believe this is because we are down in the area of the city where the lines of position are very coarse.

Table 9 displays the data from TEST 8 of Part 5. This data included the automatic polling and the one Rollover event.

Figure 5 is the plot of the data and the actual travelled route.

During the test it seemed that the anomaly seen during prior testing had disappeared, so we altered our plans after realizing that in previous tests we had always seen this anomaly after approaching the signpost from the east. Consequently, we had them execute a TEST 9 which is in the next section.

3 U -03615 -00923 E020852 003202 013502 -00256 -00767 000417 -00767

TABLE 8

TEST 7 of PART 4

[illegible]

TABLE 9

TEST 8 of PART 4

461510

NO. 2 KEUFFEL & ESSER CO. MADE IN U.S.A.

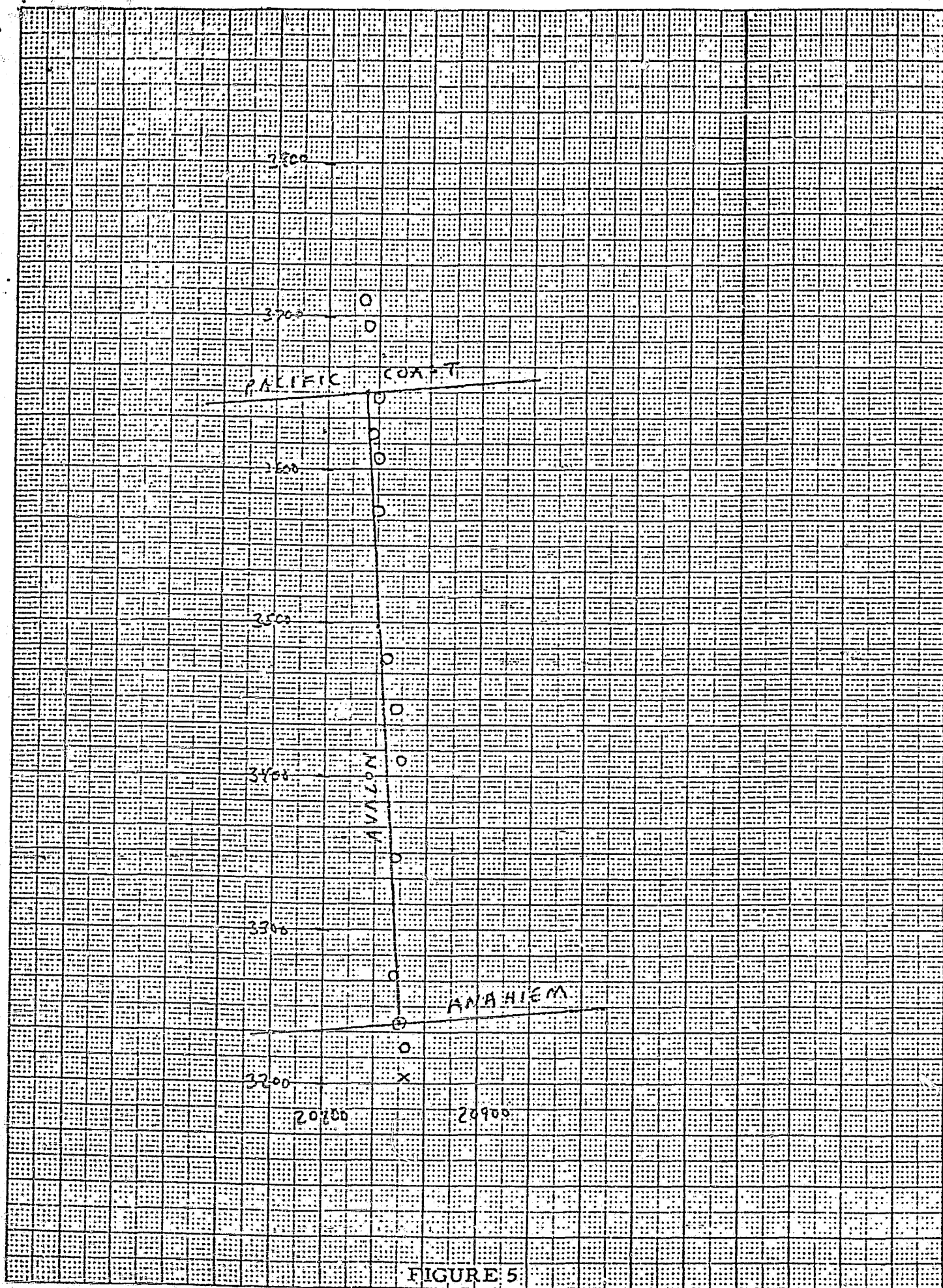


FIGURE 5

Table 10 represents the data collected on TEST 9 of Part 5. This was with automatic polling, reset signposts and Rollover types of reports.

Figure 6 displays the data while driving the actual course.

It is interesting to note that there is hardly any east-west offsets. The east-west offset is thought to be caused by the approaching of the signpost from the east. This gives a westerly offset as you run up Avalon. While driving up Avalon, some type of anomaly occurred that caused a permanent deformation in the north-south direction.

3	V	-03400	-00743	S021426	003089	011422	-00256	-06903	000353	-06903
3	V	-03414	-00752	N021348	003066	011422	-00256	-10496	000417	-10496
3	V	-03430	-00782	E021274	003180	011422	-00001	-14366	000417	-14366
3	V	-03426	-00779	E021283	003180	011422	-00001	-13339	000353	-13339
3	V	-03454	-00792	W021237	003130	011422	-00001	-20520	000417	-20520
3	V	-03457	-00797	W021225	003147	011422	-00001	-21293	000353	-21293
3	V	-03477	-00816	W021172	003173	011422	-00001	-26432	000353	-26432
33	V	-03514	-00834	W021107	003111	011422	-00001	029614	000353	029614
33	V	-03530	-00854	E021055	003164	011422	-00001	025498	000353	025498
33	V	-03612	-00924	S020853	003223	013502	-00000	-00000	000289	013502
33	V	-03632	-00935	S020815	003198	013502	-00001	-04875	000353	-04875
33	V	-03654	-00954	E020762	003210	013502	-00001	-10526	000353	-10526
33	V	-03648	-00944	W020783	003179	013502	-00001	-08980	000353	-08980
33	V	-03643	-00947	S020783	003224	013502	-00001	-07703	000353	-07703
33	V	-03640	-00950	W020781	003258	013502	-00001	-06938	000353	-06938
33	V	-03637	-00952	W020780	003286	013502	-00001	-06172	000353	-06172
33	V	-03620	-00962	W020779	003431	013502	-00001	-01830	000353	-01830
33	V	-03617	-00964	S020778	003457	013502	-00001	-01064	000417	-01064
33	V	-03612	-00971	W020770	003524	013502	000255	000209	000353	000209
33	V	-03608	-00975	W020766	003566	013502	000255	001229	000353	001229
33	V	-03598	-00970	W020783	003580	013502	000255	003794	000353	003794
33	V	-03597	-00969	W020783	003580	013502	000255	004051	000353	004051
33	V	-03597	-00969	W020783	003580	013502	000255	004051	000353	004051

TABLE 10

TEST 9 of PART 5

461510

K&E 10 X 10 TO THE CENTIMETER 10 X 25 CM.
KEUFFEL & ESSER CO. MADE IN U.S.A.

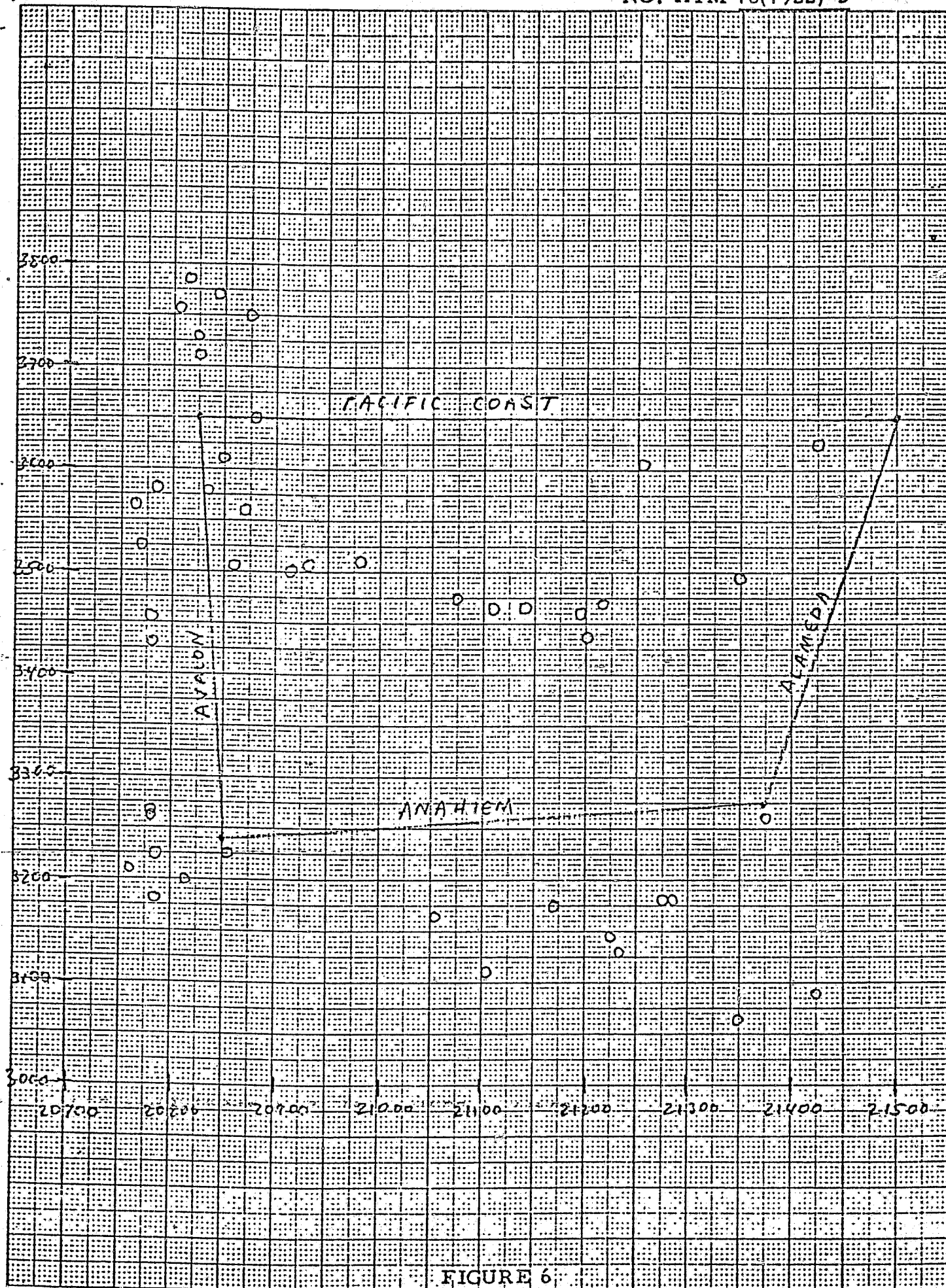


FIGURE 6

CONCLUSIONS

We felt that in looking at the data in a very cursory fashion that the up-link communications is getting through satisfactorily, the data are being moved around in the computer okay and the estimator is performing correctly. However, errors do exist where there are anomalies. Further investigations and analysis of this location testing data should be performed and will be if you so desire.

Lastly, something should be said about the errors that are occurring in the entire system. First, I would like to say, after looking at the coding in the estimator, that the largest error due to precision rounding could be estimated in the following fashion.

First, the computations are all done in X and Y counts. The points where the distance error in counts is greatest would be from Pershing Drive on the west to the KFI antenna, the distance from South El Monte to the KNX antenna, or from south San Pedro to the KPOL antenna. These distances are all on the order of 10,000 counts. When one uses the distance formula (i. e., Pythagorean Theorem)

$$Z = \sqrt{X^2 + Y^2}$$

and X is of the order of 10^4

Y is of the order of 10^4

then the magnitude of X^2 and Y^2 would be 10^8 .

Since the single precision, floating point precision of the DEC PDP 11/34 is only 7.2 decimal digits, one could have introduced an error in the last digit. Assume the last digit could range anywhere from 0 - 9. I have picked 5 to be an average round off error. When completing the equation if the error were 5:

$$Z_{\text{error}} = \sqrt{5 + 5} = \sim 3.16 \text{ counts}$$

which is approximately 31.6 feet due to rounding and truncation errors if and only if one has the worst case distances to the radio antennas.

A. L. Atlas and I have discussed this at length and believe the error budget for the entire system is of the order of

$$E_{TOTAL} = \sqrt{(e_1)^2 + (e_2)^2 + (e_3)^2 + (e_4)^2}$$

where

e_1 = round off error in machine ~ 31.6 feet

e_2 = entrance to signpost error $\sim 200.$ feet

e_3 = minor count error $\sim 15.$ feet

e_4 = Phenomena (e.g., HV warps underpasses, etc.) $\sim 1000.$ feet.

(Note: e_4 is an educated guess based on some empirical testing.)

$$E_{TOTAL} = \sqrt{(31.6)^2 + (200)^2 + (15)^2 + (1000)^2}$$

$$= 1020.40 \text{ Feet}$$

Consequently, we feel that the errors due to system problems are less than 2% of the errors that could be introduced into the answer.

If any further analysis is desired on the above location testing, you should so inform me as to direction you would like me to pursue.

RER/mm

ABSTRACT/SUMMARY

This memorandum contains the results of the continued analysis of the location test data of the Cargo Security System conducted on 6-7 February 1978. This analysis was referenced in ATM 78(7922)-1, dated 15 February 1978, and is the analysis of the data broken down into two parts. That is, the entire data were divided into subgroups which were thought to be associated with anomalies (High Voltage Warps, Cycle Slips, etc.) and that of no anomalies. The analysis was extended to include the two groupings as identified by Aerospace personnel and two groupings as identified by Hoffman Identification Inc.

Results of this analysis show that if there were no anomalies the results would still have a mean error of approximately 1600 feet.

CONTINUED ANALYSIS OF CARGO SECURITY SYSTEM LOCATION TEST
CONDUCTED 6-7 FEBRUARY 1978

This memorandum contains the results of further analysis of the data collected from the location testing of the Cargo Security System on the 6th and 7th of February, 1978. Identification of those checkpoints that might have anomalies associated with them are identified in Table 1. The Hoffman columns are those checkpoints as reported in the log as having either a warp or cycle slip associated with that test point. The Aerospace columns show the anomalies that could cause problems and were identified only by sight association while test driving the route. The numbers in the respective columns indicate the number of anomalies (either high voltage, HV, or underpasses, UP) encountered between the reset signpost and the checkpoint.

Hoffman identified 16 good points and 37 test points as having anomalies. Aerospace identified 21 good points and 32 with anomalies. There were 14 agreements on good points and 22 agreements on anomalies. It should be noted that Hoffman did not begin reporting anomalies until checkpoint 11 (41). If one counts the Aerospace recording of anomalies prior to this as Hoffman reports then you have 31 agreements on anomalies. This means there are 8 disagreements as to whether or not there was an anomaly or no anomaly.

TABLE 1

HOFFMAN						AEROSPACE			
C.P.	(OLD ATP)	HV	UP	NO ANOMALY	AGREEMENT	HV	UP	NO ANOMALY	
1	1			ok				ok	
2	5	x	x						
3	9	x	x			3	1		
4	13A	x				7	7		
5	17A	x				1	2		
6	21	x				1			
7	25	x				2			
8	29	x				2			
9	33	x				4			
10	37A	x				1			
11	41	1	2			2			
12	45		1			2	4		
13	49	1	1			1	1		
13	49	1	1			2			
14	53			ok		2			
15	57			ok	x			ok	
16	61	1			x			ok	
17	65	1				1			
18	69	1						ok	
19	73			ok		1			
20	77			ok					
21	81			ok	x			ok	
22	85	1			x			ok	
23	89	1				2	2		
24	93			ok		1			
24	93		1		x			ok	
25	97			ok				ok	
26	100	1			x			ok	
27	105			ok		2			
28	109		1		x			ok	
29	113			ok				ok	
30	117	1				1			
31	121	1				3			
32	125	1				1			
33	129	4	1					ok	
34	133	5	1			1			
35	137		1			3			
36	141	1						ok	
37	145			ok		2			
38	149		1		x			ok	
39	153		1			1	1		
40	157			ok		3			
41	161	1			x			ok	
42	165	1						ok	
43	169	2				1			
44	173			ok		2			
45	177			ok	x			ok	
46	181	1			x			ok	
47	185	1	1					ok	
48	189			ok		8	1		
49	193			ok	x			ok	
50	197	2				1		ok	
51	200	4	1			2			
						1	1		
16 Good					14 agreements				21 Good

Table 2 is a listing of the errors associated with an Aerospace declared anomaly. The mean error for this case is 3209 feet with a standard deviation of 2576 feet.

Table 3 is a listing of the errors associated with the Aerospace declaration of no anomaly. The mean error of this case was 1616 feet with a standard deviation of 1640 feet.

Figure 1 depicts a scatter plot of the errors associated with the Aerospace declaration. The red points depict errors with possible anomalies and the green points depict errors with suspicion of no anomaly association.

Figure 2 depicts the histogram and the cumulative histogram of the anomaly/no anomaly data as declared by Aerospace. Again the red line and red dashed line are associated with suspected anomalies and the green line and green dashed lines are of the data suspected as having no anomalies.

AEROSPACE DECLARED AND

POINT	OBSERVED		ACTUAL		DELTA		DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
	X	Y	X	Y	X	Y				
5	4256820	4040240	4258240	4039240	1420	-1000	0.173678E 04	0.201640E 07	0.100000E 07	0.301640E 07
9	4246650	4063260	4253140	4059160	6490	-4100	0.767659E 04	0.421201E 08	0.168100E 08	0.589301E 08
13A	4257560	4065570	4257950	4071400	390	5830	0.584303E 04	0.152100E 06	0.339889E 08	0.341410E 08
17A	4270920	4066240	4271500	4066320	580	80	0.585491E 03	0.336400E 06	0.640000E 04	0.342800E 06
21	4283810	4066060	4284820	4063460	1010	-2600	0.278928E 04	0.102010E 07	0.676000E 07	0.778010E 07
25	4285810	4077100	4287020	4077080	1210	-20	0.121017E 04	0.144410E 07	0.400000E 03	0.144450E 07
29	4282780	4080330	4273960	4082280	-8820	1950	0.903299E 04	0.777924E 08	0.380250E 07	0.615949E 08
33	4250710	4086410	4250140	4086160	-570	-250	0.622415E 03	0.324900E 06	0.625000E 05	0.337400E 06
37A	4243900	4109160	4239220	4109280	-4680	120	0.468154E 04	0.219024E 08	0.144000E 05	0.219168E 08
41	4269300	4106980	4267380	4109800	-2510	820	0.264055E 04	0.630010E 07	0.672400E 06	0.697250E 07
45	4285310	4132510	4281820	4131860	-3490	-650	0.355001E 04	0.121601E 08	0.422500E 06	0.126026E 08
49	4262090	4140760	4263100	4144340	1010	3580	0.371974E 04	0.102010E 07	0.128164E 08	0.138365E 08
49	4261380	4140390	4263100	4144340	1720	3950	0.430823E 04	0.295840E 07	0.156025E 08	0.185609E 08
61	4227110	4131730	4226280	4131620	-830	-110	0.837257E 03	0.688900E 06	0.121000E 05	0.701000E 06
69	4225050	4111770	4226440	4109740	1390	-2030	0.246028E 04	0.193210E 07	0.412090E 07	0.605300E 07
73	4227750	4095610	4228160	4091780	410	-3830	0.385188E 04	0.168100E 06	0.146689E 08	0.148370E 08
85	4235160	4062820	4234300	4064060	-860	1240	0.150904E 04	0.739600E 06	0.153760E 07	0.227720E 07
89	4228930	4050480	4228560	4059240	-420	-1240	0.130920E 04	0.176400E 06	0.153760E 07	0.171400E 07
100	4222900	4038790	4222800	4033320	0	-5470	0.547000E 04	0.0	0.299209E 08	0.299209E 08
113	4208040	4035370	4208140	4036500	100	1130	0.113442E 04	0.100000E 05	0.127690E 07	0.128690E 07
117	4205130	4039160	4204540	4039140	-590	-20	0.590339E 03	0.348100E 06	0.400000E 03	0.348500E 06
121	4203130	4055220	4203140	4054940	10	-280	0.280178E 03	0.100000E 03	0.784000E 05	0.785000E 05
129	4208930	4070130	4207640	4074380	-1340	4250	0.445624E 04	0.179560E 07	0.180625E 08	0.198581E 08
133	4204580	4084090	4216980	4086760	6400	2670	0.693462E 04	0.409600E 08	0.712890E 07	0.480839E 08
141	4217230	4112470	4219760	4112380	2530	-90	0.253160E 04	0.640090E 07	0.810000E 04	0.640900E 07
149	4209390	4126200	4210240	4127120	850	920	0.125256E 04	0.722500E 06	0.846400E 06	0.156890E 07
153	4210390	4129040	4214180	4134360	3290	5320	0.625512E 04	0.108241E 08	0.283024E 08	0.391265E 08
165	4192630	4119710	4191640	4119820	-990	110	0.996092E 03	0.980100E 06	0.121000E 05	0.992200E 06
169	4191600	4105000	4189640	4105400	-1960	400	0.200040E 04	0.384160E 07	0.160000E 06	0.400160E 07
185	4179850	4074160	4170560	4072540	-1290	-1620	0.207087E 04	0.166410E 07	0.262440E 07	0.428350E 07
197	4183390	4050800	4185860	4041600	-2630	-9200	0.956854E 04	0.691690E 07	0.646400E 08	0.915569E 08
200	4203850	4038870	4204560	4039180	710	310	0.774726E 03	0.504100E 06	0.961000E 05	0.600200E 06

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.320874E 04	0.663806E 07	0.257644E 04
DELTA X	-0.456250E 02	0.800626E 07	0.282953E 04
DELTA Y	0.531250E 01	0.925781E 07	0.304267E 04

R= 0.561641E-01

TABLE 2

AEROSPACE DECLARED NO ANOMALIES

POINT	OBSERVED		ACTUAL		DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
	X	Y	X	Y						
1	4246860	4025400	4245920	4025900	-940	500	0.106471E 04	0.883600E 06	0.250000E 06	0.113360E 07
53	4250060	4133390	4249960	4132580	-100	-810	0.816149E 03	0.100000E 05	0.656100E 06	0.666100E 06
57	4237740	4128360	4236800	4128420	-940	60	0.941913E 03	0.883600E 06	0.360000E 04	0.887200E 06
65	4227230	4122970	4226520	4121260	-710	-1710	0.185184E 04	0.504100E 06	0.292410E 07	0.342820E 07
77	4233920	4082230	4233860	4082880	-60	650	0.652763E 03	0.360000E 04	0.422500E 06	0.426100E 06
81	4230370	4077050	4229300	4077320	-1070	270	0.110354E 04	0.114400E 07	0.729000E 05	0.121780E 07
93	4231350	4051390	4230720	4049300	-630	-2090	0.218289E 04	0.396900E 06	0.436810E 07	0.476500E 07
93	4230790	4051900	4230720	4049300	-70	-2600	0.260094E 04	0.490000E 04	0.676000E 07	0.676490E 07
97	4234230	4041300	4234720	4038560	490	-2740	0.278347E 04	0.240100E 06	0.750760E 07	0.774770E 07
105	4199350	4008280	4199240	4005840	-110	-2440	0.244248E 04	0.121000E 05	0.595360E 07	0.595570E 07
109	4208220	4019960	4208860	4021260	-5360	1300	0.551540E 04	0.287296E 08	0.169000E 07	0.304196E 08
125	4207950	4062840	4207240	4065000	-710	2160	0.227370E 04	0.504100E 06	0.466560E 07	0.516970E 07
137	4203780	4097630	4202320	4097880	-1460	250	0.148125E 04	0.213160E 07	0.625000E 05	0.219410E 07
145	4212110	4121720	4212200	4121340	90	-380	0.390512E 03	0.810000E 04	0.144400E 06	0.152500E 06
157	4198260	4146060	4198240	4148060	-20	0	0.200000E 02	0.400000E 03	0.0	0.400000E 03
161	4194640	4127990	4194340	4128280	-300	290	0.417253E 03	0.900000E 05	0.041000E 05	0.174100E 06
173	4159390	4095310	4153920	4096480	-5970	1170	0.608357E 04	0.356409E 08	0.136890E 07	0.370093E 08
177	4177270	4096370	4177060	4099380	-210	10	0.210238E 03	0.441000E 05	0.100000E 03	0.442000E 05
181	4201430	4081760	4201040	4082040	-390	280	0.480104E 03	0.152100E 06	0.784000E 05	0.230500E 06
189	4193900	4053640	4194280	4053500	380	-140	0.404969E 03	0.144400E 06	0.196000E 05	0.164000E 06
193	4180700	4049140	4180560	4048980	-140	-160	0.212603E 03	0.196000E 05	0.256000E 05	0.452000E 05

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.161571E 04	0.268927E 07	0.163990E 04
DELTA X	-0.868095E 03	0.278616E 07	0.166918E 04
DELTA Y	-0.291905E 03	0.176342E 07	0.132794E 04

R=-0.464027E 00

TABLE 3

CIRCUIT SECURITY TEST RESULTS
 AEROSPACE DECLARED ANOMALY/NO ANOMALY 0 NO ANOMALY

TEST DATES 2/6 - 2/7 1978

	ANOMALY	NO ANOMALY
MEAN	3208.7	1615.7
MEDIAN	2495.9	1064.71
ST	2576.4	1640.0
T	0.056	-0.46
N	32	21
STD. ERR.	455.45	357.86

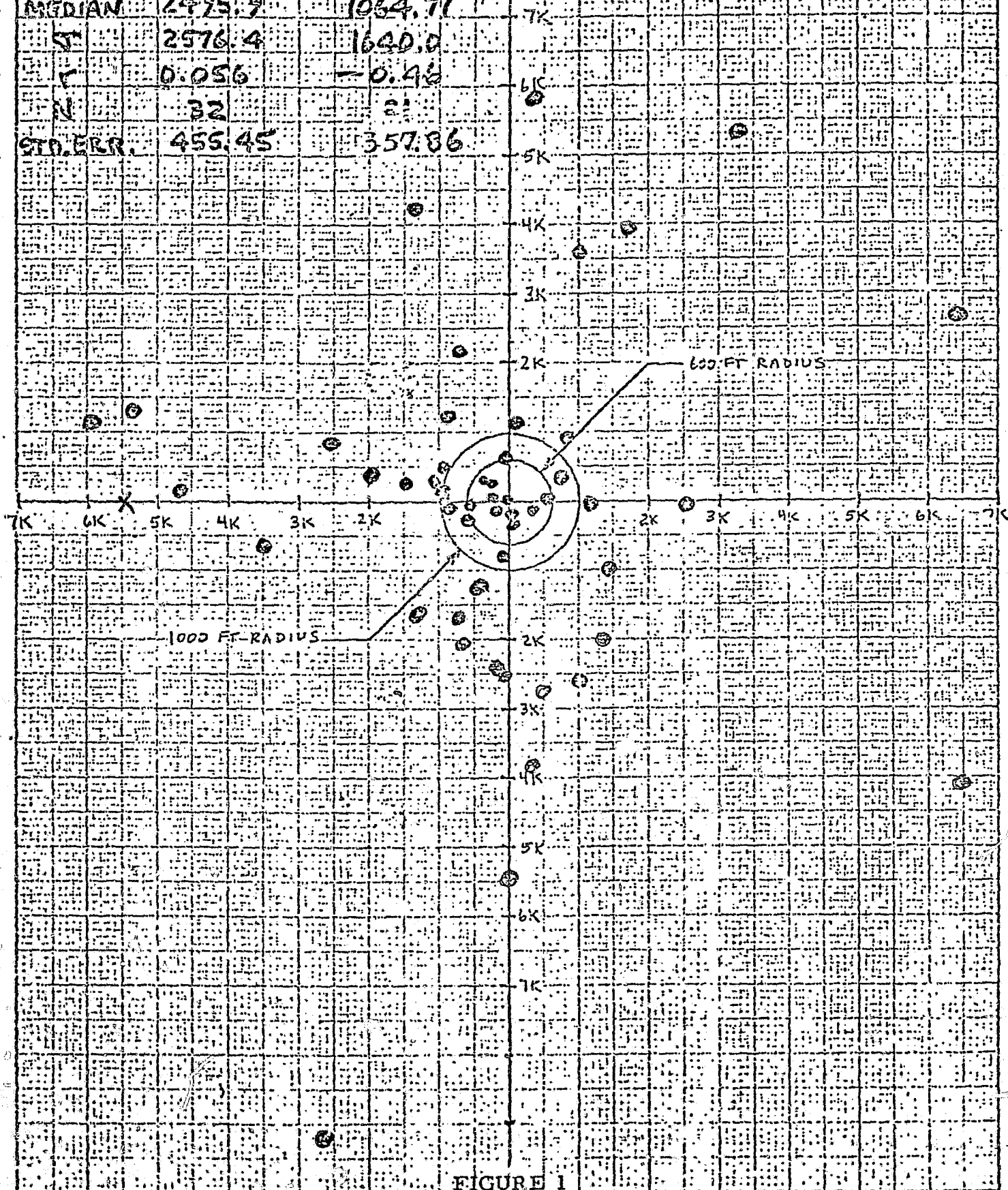


FIGURE 1

CARGO SECURITY SYSTEM

AEROSPACE DECLARED ANOMALY/NO ANOMALY

TEST DATES 2/6-2/7 1978

— ANOMALY HIST.
 --- ANOMALY CUM.
 — NO ANOMALY HIST.
 --- NO ANOMALY CUM.
 ○ AGGREGATE CUM.

-8-

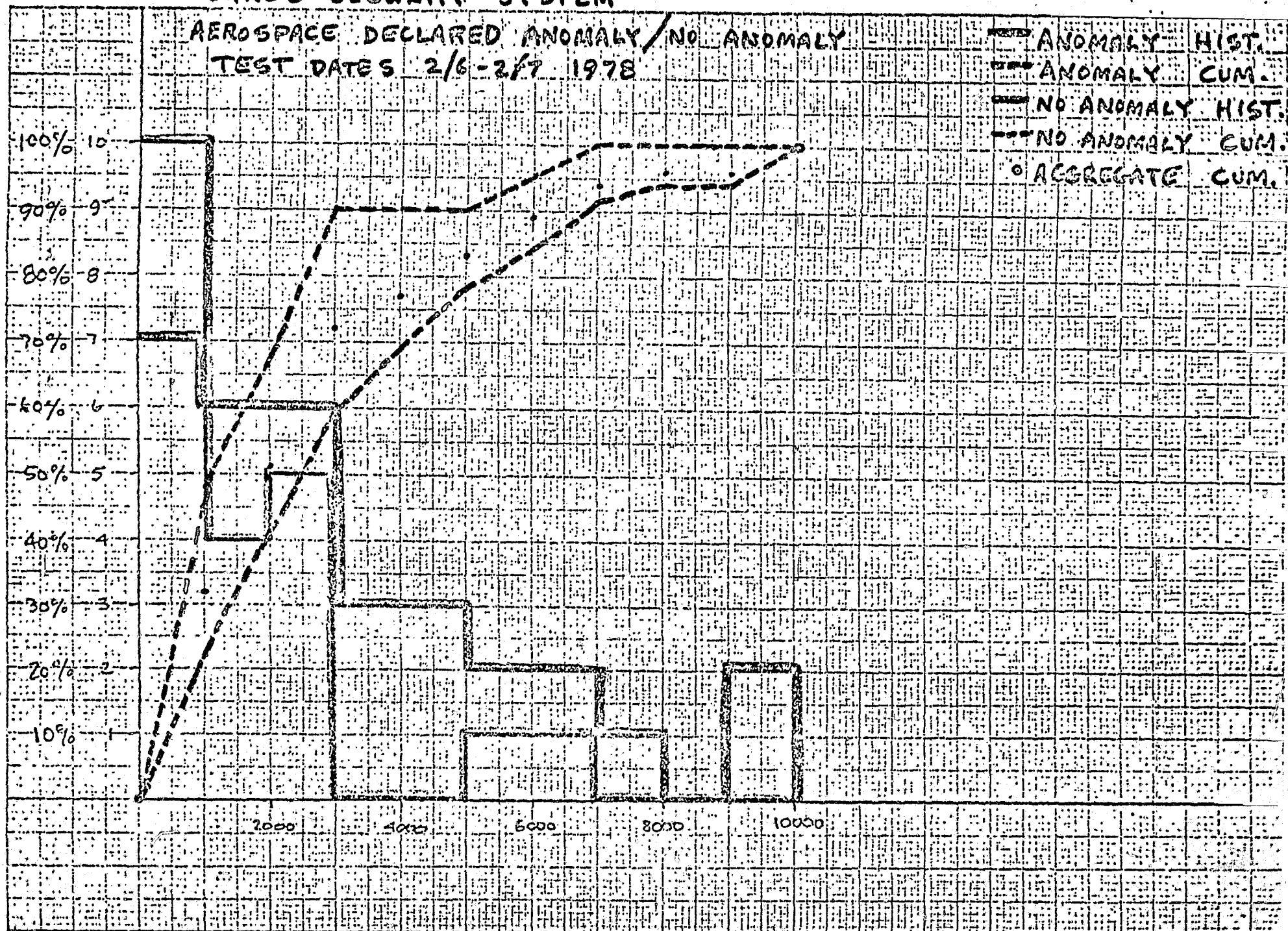


FIGURE 2

Table 4 is a listing of the errors associated with the Hoffman declaration of an anomaly occurrence. The mean error of this case is 3036 feet with a standard deviation of 2509 feet.

Table 5 is a listing of the errors associated with the Hoffman declaration of no anomaly. The mean error of this case was 1519 feet with a standard deviation of 1622 feet.

Figure 3 depicts a scatter plot of the errors associated with the Hoffman identification. The red depicts anomalies and the green no anomalies.

Figure 4 depicts the histogram and the cumulative histogram of the anomaly/no anomaly data as declared by Hoffman. Once again the red depicts anomalies and the green depicts no anomalies.



11/11/11

HOFFMAN IDENTIFICATION INC. DECLARED ANOMALIES

POINT	OBSERVED X Y	ACTUAL X Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
5	4256820 4040240	4258240 4039240	1420	-1000	0.173678E 04	0.201640E 07	0.100000E 07	0.301640E 07
9	4246650 4063260	4253140 4059160	6490	-4100	0.767659E 04	0.421201E 08	0.168100E 08	0.589301E 08
13A	4257560 4045570	4257250 4071400	300	5830	0.584303E 04	0.152100E 04	0.338889E 08	0.341410E 08
17A	4270920 4066240	4271500 4066320	580	80	0.585491E 03	0.336400E 06	0.640000E 04	0.342800E 06
21	4283810 4066060	4284820 4063460	1010	-2600	0.278928E 04	0.102010E 07	0.676000E 07	0.778010E 07
25	4285810 4077100	4287020 4077080	1210	-20	0.121017E 04	0.146410E 07	0.400000E 03	0.146450E 07
29	4282760 4060330	4273960 4082220	-8820	1950	0.903299E 04	0.777924E 08	0.380250E 07	0.815949E 08
33	4250710 4086410	4250140 4086160	-570	-250	0.622415E 03	0.324900E 06	0.625000E 05	0.387400E 06
37A	4243900 4109160	4239220 4109280	-4680	120	0.468154E 04	0.219024E 08	0.144000E 05	0.219168E 08
41	4269390 4108980	4267380 4109300	-2510	820	0.264055E 04	0.630010E 07	0.672400E 06	0.697250E 07
45	4285310 4132510	4281820 4131860	-3490	-650	0.355001E 04	0.121601E 08	0.422500E 06	0.124006E 08
49	4262090 4140760	4263100 4144340	1010	3580	0.371974E 04	0.102010E 07	0.128164E 08	0.133365E 08
49	4261300 4140390	4263100 4144340	1720	3950	0.430823E 04	0.295840E 07	0.156025E 08	0.185509E 08
61	4227110 4131730	4227280 4131620	-830	-110	0.837257E 03	0.688900E 06	0.121000E 05	0.701000E 06
65	4227230 4122970	4227520 4121260	-710	-1710	0.185154E 04	0.504100E 06	0.292400E 07	0.342800E 07
71	4225050 4111770	4225440 4109740	1390	-2030	0.246028E 04	0.193210E 07	0.410000E 07	0.605300E 07
75	4235160 4062820	4235300 4064060	-860	1240	0.150904E 04	0.739600E 06	0.180000E 06	0.227720E 07
79	4228980 4060480	4228560 4059240	-420	-1240	0.130920E 04	0.176400E 06	0.150000E 06	0.171400E 07
83	4230790 4051900	4231720 4049300	-70	-2600	0.260094E 04	0.490000E 04	0.670000E 06	0.676490E 07
100	4222800 4038790	4222800 4033320	0	-5470	0.547000E 04	0.0	0.299209E 08	0.299209E 08
109	4208220 4019960	4208260 4021260	-5360	1300	0.551540E 04	0.287296E 08	0.169000E 07	0.304196E 08
117	4205130 4039160	4204540 4039140	-590	-20	0.590379E 04	0.348100E 06	0.400000E 05	0.348500E 06
121	4203130 4055220	4203140 4054940	10	-280	0.280178E 03	0.100000E 03	0.784000E 05	0.785000E 05
125	4207950 4062840	4207240 4065000	-710	2160	0.227370E 04	0.504100E 06	0.466560E 07	0.516970E 07
129	4203980 4070130	4207640 4074380	-1340	4250	0.445624E 04	0.179560E 07	0.180625E 08	0.198581E 08
133	4204580 4084090	4210980 4086760	6400	2670	0.693462E 04	0.409500E 08	0.712890E 07	0.480839E 08
137	4203720 4097630	4202320 4097880	-1460	250	0.148125E 04	0.213160E 07	0.625000E 05	0.219410E 07
141	4217230 4112470	4219760 4112380	2530	-90	0.253160E 04	0.640090E 07	0.810000E 04	0.640900E 07
149	4209390 4126200	4210240 4127120	850	920	0.125256E 04	0.722500E 06	0.846400E 06	0.156890E 07
153	4210890 4129040	4214180 4134360	3290	5320	0.625512E 04	0.108241E 08	0.283024E 08	0.391265E 08
161	4194640 4127990	4194340 4128280	-300	290	0.417253E 03	0.900000E 05	0.841000E 05	0.174100E 06
165	4192630 4119710	4191640 4119820	-990	110	0.996092E 03	0.980100E 06	0.121000E 05	0.992200E 06
169	4191600 4105000	4189640 4105400	-1960	400	0.200040E 04	0.334160E 07	0.160000E 06	0.400160E 07
181	4201430 4081760	4201040 4082040	-390	280	0.480104E 03	0.152100E 06	0.784000E 05	0.230500E 06
185	4179250 4074160	4178560 4072540	-1290	-1620	0.207007E 04	0.166410E 07	0.262440E 07	0.428850E 07
197	4188290 4050800	4185660 4041600	-2630	-9200	0.956854E 04	0.691690E 07	0.843400E 08	0.915539E 08
200	4203850 4038870	4204560 4039180	710	310	0.774726E 03	0.504100E 06	0.961000E 05	0.600200E 06

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.303550E 04	0.629394E 07	0.250877E 04
DELTA X	-0.296486E 03	0.769295E 07	0.277362E 04
DELTA Y	0.767567E 02	0.797483E 07	0.282397E 04

R= 0.340969E-01

TABLE 4

HOFFMAN IDENTIFICATION INC. DECLARED NO ANOMALIES

POINT	OBSERVED		ACTUAL		DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
	X	Y	X	Y						
1	4246860	4025400	4245920	4025900	-940	500	0.106471E 04	0.883600E 06	0.250000E 06	0.113360E 07
53	4250060	4133390	4249960	4132580	-100	-810	0.816149E 03	0.100000E 05	0.656100E 06	0.666100E 06
57	4237740	4128360	4236800	4128420	-940	60	0.941913E 03	0.883600E 06	0.360000E 04	0.887200E 06
73	4227750	4095610	4228160	4091780	410	-3830	0.385188E 04	0.168100E 06	0.146689E 08	0.148370E 08
77	4233920	4082230	4233860	4082890	-60	650	0.652763E 03	0.360000E 04	0.422500E 06	0.426100E 06
81	4230370	4077050	4229300	4077320	-1070	270	0.110354E 04	0.114490E 07	0.729000E 05	0.121780E 07
93	4231350	4051390	4230720	4049300	-630	-2090	0.218289E 04	0.396900E 06	0.436810E 07	0.476500E 07
97	4234230	4041300	4234720	4038560	490	-2740	0.278347E 04	0.240100E 06	0.750760E 07	0.774770E 07
105	4199350	4008280	4199240	4005840	-110	-2440	0.244240E 04	0.121000E 05	0.595360E 07	0.596570E 07
113	4208040	4035370	4208140	4036500	100	1130	0.113442E 04	0.100000E 05	0.127690E 07	0.128690E 07
145	4212110	4121720	4212200	4121340	90	-380	0.390512E 03	0.810000E 04	0.144400E 06	0.152500E 06
157	4198260	4148060	4198240	4148060	-20	0	0.200000E 02	0.400000E 03	0.0	0.400000E 03
173	4159890	4095310	4153920	4096480	-5970	1170	0.608357E 04	0.356409E 08	0.136890E 07	0.370098E 08
177	4177270	4098370	4177060	4099380	-210	10	0.210233E 03	0.441000E 05	0.100000E 03	0.442000E 05
189	4193900	4053640	4194280	4053500	380	-140	0.404969E 03	0.144400E 06	0.196000E 05	0.164000E 06
193	4180700	4049140	4180560	4048980	-140	-160	0.212603E 03	0.196000E 05	0.256000E 05	0.452000E 05

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.151850E 04	0.263036E 07	0.162184E 04
DELTA X	-0.545000E 03	0.232387E 07	0.152442E 04
DELTA Y	-0.550000E 03	0.212659E 07	0.145828E 04

R=-0.414931E 00

TABLE 5

HOFFMAN DECLARED ANOMALY/NO ANOMALY • NO ANOMALY

TEST DATES 2/6 - 2/17 1973

ANOMALY NO ANOMALY

MEAN	3085.5	1516.5
MEDIAN	2273.7	1003.3
σ	2508.8	1621.3
γ	0.034	-0.41
N	37	13
STD. ERR.	412.43	415.46

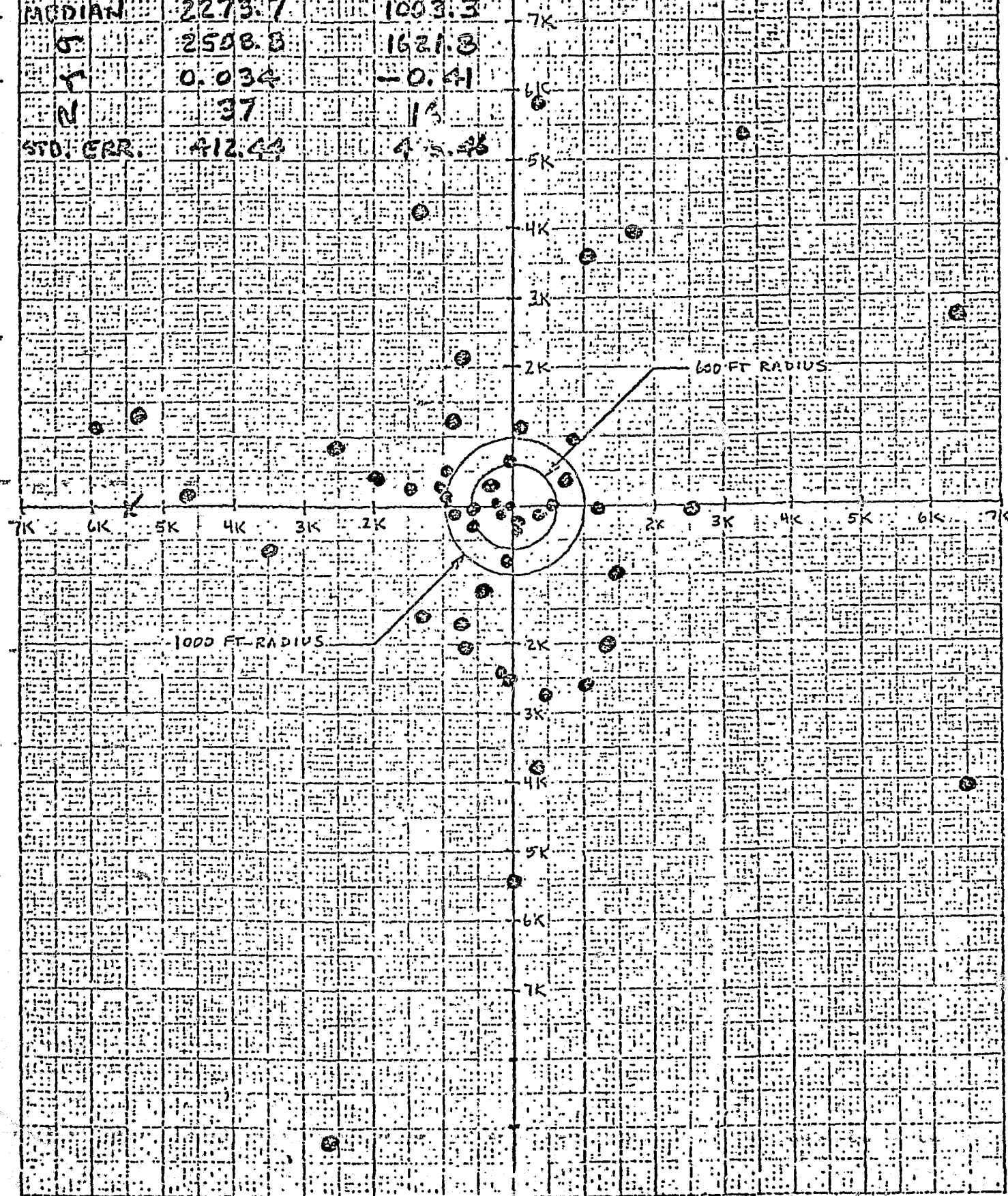


FIGURE 3



CONTINUED

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CARGO SECURITY SYSTEM

HOFFMAN DECLARED ANOMALY/NO ANOMALY
TEST DATES 2/6-2/7 1978

— ANOMALY HIST.
— ANOMALY CUM.
— NO ANOMALY HIST.
— NO ANOMALY CUM.
• AGGREGATE CUM.

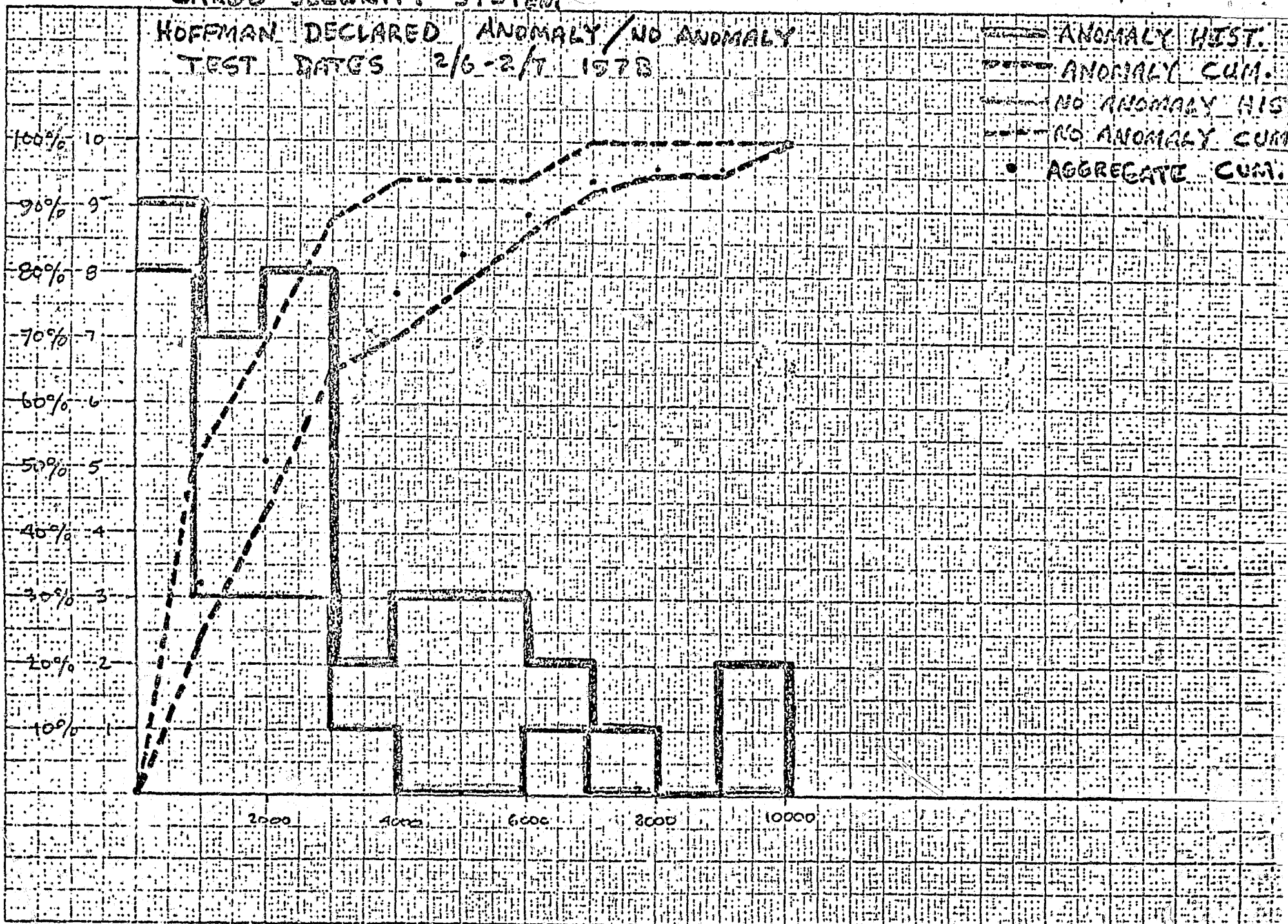


FIGURE 4

Further analysis was conducted to determine the type of distribution the data displayed. By manipulating the class interval width it was determined that the data was neither a Rayleigh or a Normal distribution. By using a class interval width that varied from 1/4 mile at the low end and gradually increasing to a mile at the upper end the data fits very loosely to that of an exponential distribution. However, due to the lack of points available in each class no confidence limits were determined.

The best one can say is that, of the anomaly data identified by Aerospace, 95% of the points lie below 9200 feet and of the no anomaly data 95% of the points lie below 6000 feet. As for the Hoffman declared anomaly data, 95% of the points lie below 9000 feet and of the no anomaly data 95% of the points lie below 6150 feet.

This compares to the aggregate 95% point of 8200 feet.

It appears that if there were a way to clear up the anomaly conditions, at this time, the best results the system could be expected to yield is approximately 1600 foot mean error.

RER/mmfm

ABSTRACT/SUMMARY

This memorandum is on the statistical analysis of the data collected from the amended Acceptance Test Procedure (ATP) for the Cargo Security System on the 6th and 7th of February, 1978. The inference derived in this statistical analysis indicates that the mean error is on the order of one-half mile.

CARGO SECURITY SYSTEM LOCATION TESTING RESULTS
CONDUCTED FEBRUARY 6-7, 1978 BY HOFFMAN IDENTIFICATION, INC.

This memorandum contains the results of the statistical analysis of the amended Acceptance Test Procedure (ATP) location test which is only one part of the Phase One test. The amended ATP contained 51 test points, which were a part of the original 200-point ATP. The amended ATP allowed Hoffman to cover the same 400 square mile area with only a minimum of test points. The route was selected to move the test vehicle from test point to test point in a most expedient route.

The results are in the form of tables and figures and are broken down into the following categories. First, there is an analysis of the raw data. Second, there is an analysis of the corrected data showing what differences are caused by the real test vehicle location compared to the digitized test point location. Third, there is an analysis of the corrected data separated by the different days. This was done to determine if different phenomena occurred on different days. Fourth, there is an analysis of the corrected data separated by the different areas involved in the test location. Area A are those points that lie to the northwest of the baseline between radio stations KPOL and KNX. Area B are those points that lie to the northeast of the baseline between radio stations KPOL and KFI. Area C are those points that lie south of the baseline between radio stations KNX and KFI. Finally, Area D are those points that lie within the triangle formed by the baselines between the three radio stations KNX, KPOL and KFI. This analysis was done to determine if the errors might have some correlation to being inside or outside the triangle. This data might also show some correlation as to topography although that was not the intent.

The statistics looked at in the Monday - Tuesday grouping were determined to have no significant differences. On this conclusion, I pooled the data into an aggregate file to determine the 95th quantile with 95% confidence limits. Further comments on this are stated later in this memo.

The data were also broken into the four regions for the same analysis; however, I concluded that there were not enough points in each sample to determine significance between these samples, so further analysis appeared unwarranted.

Table 1 is a tabulation of the raw data as collected from the base station computer output. The data at the base station were given in X, Y coordinates and subtracted from the digitized X, Y coordinates and used to calculate the absolute distance (error).

Figure 1 is a scatter plot of the distance (ΔZ) from the observed point to the digitized check point.

Figure 2 is a histogram and ogive chart displaying the distance error of the raw data. The class interval width of this histogram and ogive was 250 feet.

Table 2 is a tabulation of the corrected data after the offsets had been applied to the raw data. The corrections were collected by A. Atlas in the test vehicle and these corrections were then added to the raw data and compared to the actual digitized check point.

Figure 3 is a scatter plot of the corrected data.

Figure 4 is the histogram and ogive chart for the corrected data. The class interval of this histogram and ogive chart is 500 feet. It should be noted

that applying the correction factors made no significant changes in the statistics. One should note that the mean of the raw data was 2581.3 feet while the mean of the corrected data was 2577.5 feet. The standard deviation of the raw data was 2358.9 feet compared to the standard deviation of the corrected data of 2368.6 feet. The standard error of the mean was 324.02 feet for the raw data as compared to 325.35 feet for the corrected data. Another check would be the comparison of the ogive charts from the raw and corrected data. There is hardly any difference.

Tables 3 and 4 depict the data split into two parts: Monday's data and Tuesday's data. This was done to check if the data gathering techniques changed from day to day. It can be noted from the statistics that there is no significant differences from day to day. This would allow us to aggregate the data into one pool of data without having introduced biases from one day or the other.

Figure 5 is a scatter plot of the corrected data color coded so one can see the error by the days. The red points depict the errors for Monday whereas the green points depict the errors for Tuesday. Once again, an error is defined as the distance (ΔZ) from the observed point to that of the digitized test point.

Figure 6 is a histogram of the data from the separate days. The red line depicts Monday and the green line depicts Tuesday. The class interval was 500 feet.

Figure 7 is the ogive chart for the daily data. Again, the red line depicts Monday and the green line depicts Tuesday. The black dots represent the ogive for the aggregated data for your comparison. The class interval was 500 feet.

Tables 5, 6, 7, and 8 display the data broken down into the 4 areas around the triangle formed by the baselines between the radio stations. It is noted that this data in the form of tables and figures are shown for your information only. Because of the limited sample, confidence limits in this data cannot be established.

Figure 8 is the scatter diagram of the data broken down into the four geographic areas.

Figure 9 is the histogram of the data broken down into the four geographic areas.

Figure 10 is the ogive chart of the data broken down into the four geographic areas. Again, the black dots on this chart depict the ogive of the aggregated data.

The conclusions from the statistics of this test data could be the following: The best estimate of the mean error would be that it is probably around the mean ± 2 standard error. This is approximately

$$2755.5 \pm 2(325.35) = 1926.8 \leq \Delta \bar{Z} \leq 3228.2$$

based on the number of samples taken.

The 95th quantile with 95% confidence limits cannot be ascertained because the data does not appear to be either a normal distribution or a Rayleigh distribution. This was checked by doing some curve fitting tests. However, a loose interpretation might be that 95% of the data collected was below 7600 feet.

The data will be analyzed into two groupings at a later date to determine what kind of distribution the data has. The two groupings should be:

1) those with no anomalies attached to the distance error and, 2) those with anomalies attached to the distance error. After the groupings, the appropriate statistics will be calculated.

Finally, even though the test was cut down to 51 test points, it is noted that these are not sufficient data to ascertain any statistics that have good confidence limits attached to them. One would have to run an experiment having at least 1000 points in order to have an estimator of the mean of 2000 feet within 60 feet.

RER/mm



POINT	OBSERVED X Y	ACTUAL X Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
1	4246900 4025420	4245920 4025900	-980	480	0.109124E 04	0.960400E 06	0.230400E 06	0.119080E 07
5	4256820 4040240	4258240 4039240	1420	-1000	0.173678E 04	0.201640E 07	0.100000E 07	0.301640E 07
9	4246840 4063230	4253140 4059160	6500	-4070	0.766909E 04	0.4122500E 08	0.165649E 08	0.588149E 08
13A	4257560 4065870	4257950 4071900	390	5830	0.534303E 04	0.152100E 06	0.339889E 08	0.341410E 08
17A	4270950 4066210	4271500 4066320	550	110	0.560892E 03	0.202500E 06	0.121000E 05	0.314000E 06
21	4283880 4066050	4284820 4063460	940	-2590	0.275530E 04	0.883600E 06	0.670810E 07	0.759170E 07
25	4285800 4077070	4287020 4077080	1220	10	0.122004E 04	0.148840E 07	0.100000E 03	0.148850E 07
29	4282740 4080360	4273960 4082280	-8780	1920	0.898748E 04	0.770889E 08	0.368640E 07	0.807748E 08
33	4250710 4086380	4250140 4086160	-570	-220	0.610983E 03	0.224900E 06	0.484000E 05	0.373300E 06
37A	4243810 4109140	4239220 4109280	-4590	140	0.459213E 04	0.210681E 08	0.196000E 05	0.210677E 08
41	4269840 4109020	4267380 4109800	-2460	780	0.258070E 04	0.655160E 07	0.608400E 06	0.666000E 07
45	4285320 4120480	4281820 4131860	-3500	-620	0.355449E 04	0.122500E 08	0.384400E 06	0.126344E 08
49	4262070 4140700	4263100 4144340	1030	3640	0.378292E 04	0.166090E 07	0.132446E 08	0.143105E 08
49	4261360 4140330	4263100 4144340	1740	4010	0.437123E 04	0.302760E 07	0.160801E 08	0.191077E 08
53	4249990 4133340	4249960 4132580	-30	-760	0.760592E 03	0.900000E 03	0.577600E 06	0.578500E 06
57	4237770 4128380	4236800 4128420	-970	40	0.970824E 03	0.940900E 06	0.160000E 04	0.942500E 06
61	4227160 4131680	4226380 4131620	-780	-60	0.802043E 03	0.774900E 06	0.369000E 04	0.778000E 06
65	4227180 4122980	4226520 4121260	-660	-1720	0.184228E 04	0.435600E 06	0.295840E 07	0.339400E 07
69	4235030 4111790	4226440 4109740	-8590	-2050	0.248809E 04	0.198810E 07	0.420250E 07	0.619060E 07
73	4237780 4095610	4228160 4091780	-9620	-380	0.384880E 04	0.144400E 06	0.146689E 08	0.148133E 08
77	4233380 4082240	4233860 4083880	580	640	0.640313E 03	0.400000E 03	0.409600E 06	0.410000E 06
81	4230330 4076980	4229300 4077320	-1030	340	0.108467E 04	0.106090E 07	0.115600E 06	0.117650E 07
85	4235130 4062620	4234300 4064060	-830	1440	0.166208E 04	0.888900E 06	0.207760E 07	0.276250E 07
89	4228940 4060470	4228560 4059240	-380	-1230	0.128736E 04	0.144400E 06	0.151290E 07	0.165730E 07
93	4231310 4051420	4230720 4049300	-590	-2120	0.320057E 04	0.378100E 06	0.449400E 07	0.484250E 07
93	4230750 4051950	4230720 4049300	-30	-2650	0.265017E 04	0.900000E 03	0.702250E 07	0.702340E 07
97	4234200 4041270	4234720 4038560	520	-2710	0.275944E 04	0.270400E 06	0.734410E 07	0.761450E 07
100	4222840 4038830	4222800 4033320	-40	-5510	0.551014E 04	0.160000E 04	0.303601E 08	0.303617E 08
105	4200000 4008260	4199240 4005840	-760	-2420	0.253653E 04	0.577600E 06	0.585640E 07	0.643400E 07
109	4208260 4019960	4202860 4021260	-5400	1300	0.555428E 04	0.291600E 08	0.169000E 07	0.308500E 08
113	4208080 4035390	4208140 4036500	60	1110	0.111162E 04	0.360000E 04	0.123210E 07	0.123570E 07
117	4205180 4039220	4204540 4039140	-640	-80	0.644981E 03	0.409600E 06	0.640000E 04	0.416000E 06
121	4202090 4055240	4203140 4054940	1050	-300	0.304138E 03	0.250000E 04	0.900000E 05	0.925000E 05
125	4203000 4062840	4207240 4065000	4240	2160	0.228980E 04	0.577600E 06	0.466560E 07	0.524320E 07
129	4209040 4070130	4207640 4074380	-1400	4250	0.447465E 04	0.196000E 07	0.180625E 08	0.200225E 08
133	4204620 4084150	4210980 4086760	6360	2610	0.607471E 04	0.404496E 08	0.681210E 07	0.472617E 08
137	4203810 4097690	4202320 4097880	-1490	190	0.150207E 04	0.222010E 07	0.361000E 05	0.225630E 07
141	4217250 4112440	4219760 4113380	2510	-60	0.251072E 04	0.630010E 07	0.360000E 04	0.630370E 07
145	4212120 4121710	4212200 4121340	80	-370	0.378550E 03	0.610000E 04	0.136900E 06	0.143300E 06
149	4209360 4136220	4210240 4127120	880	900	0.125873E 04	0.774400E 06	0.610000E 06	0.158440E 07
153	4210880 4129110	4214180 4134360	3300	5250	0.620101E 04	0.108900E 08	0.275625E 08	0.384525E 08
157	4198280 4148100	4198240 4148060	-40	-40	0.565685E 02	0.160000E 04	0.160000E 04	0.320000E 04
161	4194600 4128030	4194340 4128280	-260	250	0.360694E 03	0.676000E 05	0.625000E 05	0.130100E 06
165	4193600 4119740	4191640 4119820	-1960	80	0.963328E 03	0.921600E 06	0.640000E 04	0.928000E 06
169	4191580 4105000	4189640 4105400	-1940	400	0.198081E 04	0.376360E 07	0.160000E 06	0.392360E 07
173	4159930 4095530	4153920 4096480	-6010	950	0.608462E 04	0.361201E 08	0.902500E 06	0.370226E 08
177	4177230 4098330	4177060 4098380	-170	50	0.177200E 03	0.289000E 05	0.250000E 04	0.314000E 05
181	4201410 4081710	4201040 4082040	-370	330	0.495782E 03	0.136900E 06	0.108900E 06	0.245800E 06
185	4179820 4074060	4178560 4072540	-1260	-1520	0.197434E 04	0.158760E 07	0.231040E 07	0.389800E 07
189	4193850 4053840	4194280 4053500	430	-340	0.548173E 03	0.134900E 06	0.115600E 06	0.300500E 06
193	4180780 4049120	4180560 4048980	-220	-150	0.266271E 03	0.484000E 05	0.225000E 05	0.709000E 05
197	4188320 4050760	4185660 4041600	-2660	-9160	0.953841E 04	0.707560E 07	0.839056E 08	0.909812E 08
200	4203870 4038820	4204560 4039180	690	360	0.778267E 03	0.476100E 06	0.129600E 06	0.605700E 06

TABLE 1

	AVERAGE	VARIANCE	STD. DEV.
STANCE	0.358130E 04	0.556421E 07	0.235886E 04
DELTA X	-0.380755E 03	0.599584E 07	0.244864E 04
DELTA Y	-0.113396E 03	0.619879E 07	0.248974E 04

R= 0.852961E-04

READY

CARGO SECURITY TEST

TEST DATE 2/6 - 2/7

MEAN = 2581.3

MEDIAN = 1833.3

σ = 2353.9

γ = 0.000085

N = 53

$\sigma_{\bar{x}}$ = 324.02 - STD. ERROR

POINT

1278

DIFFERENCES

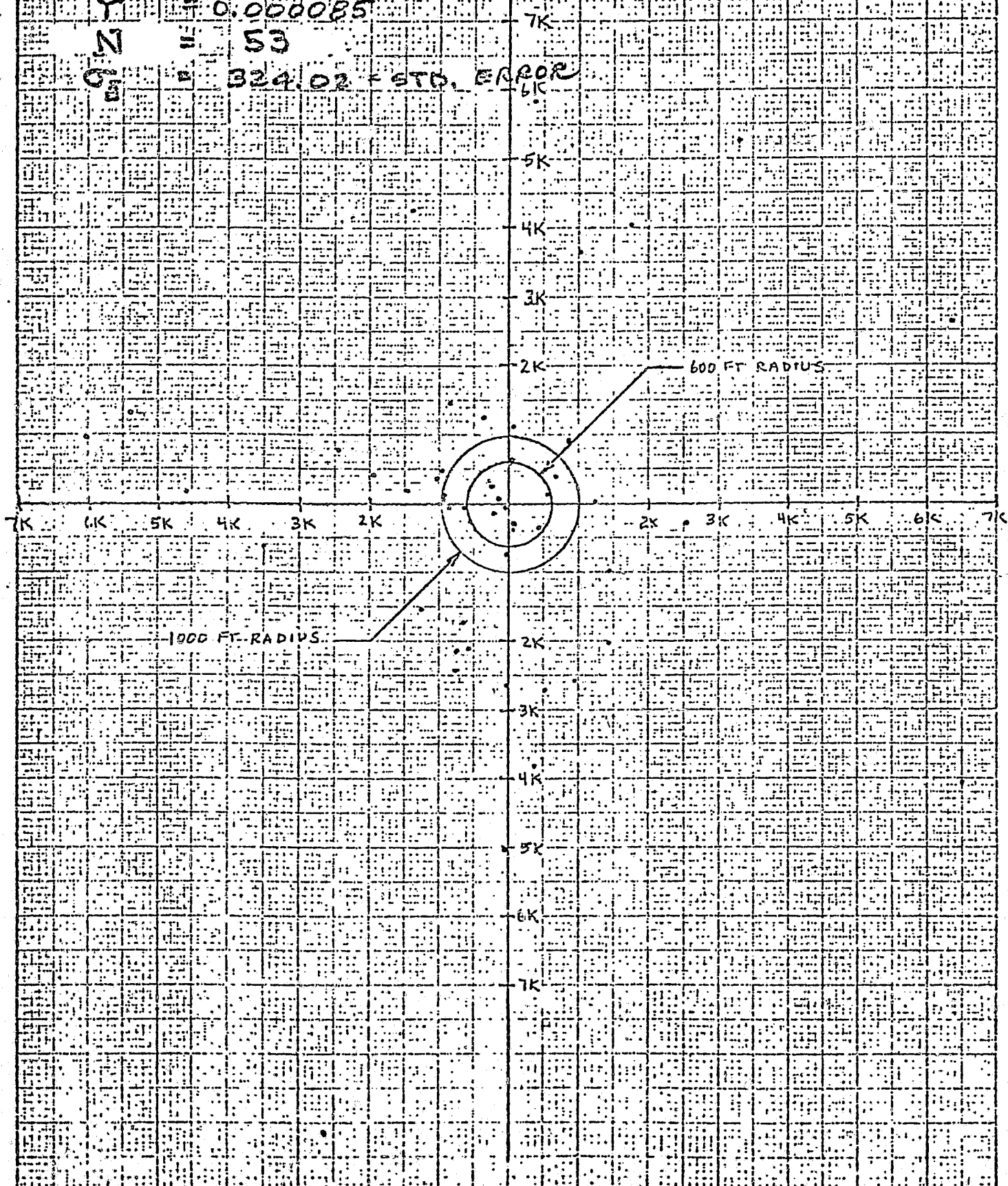


FIGURE 1



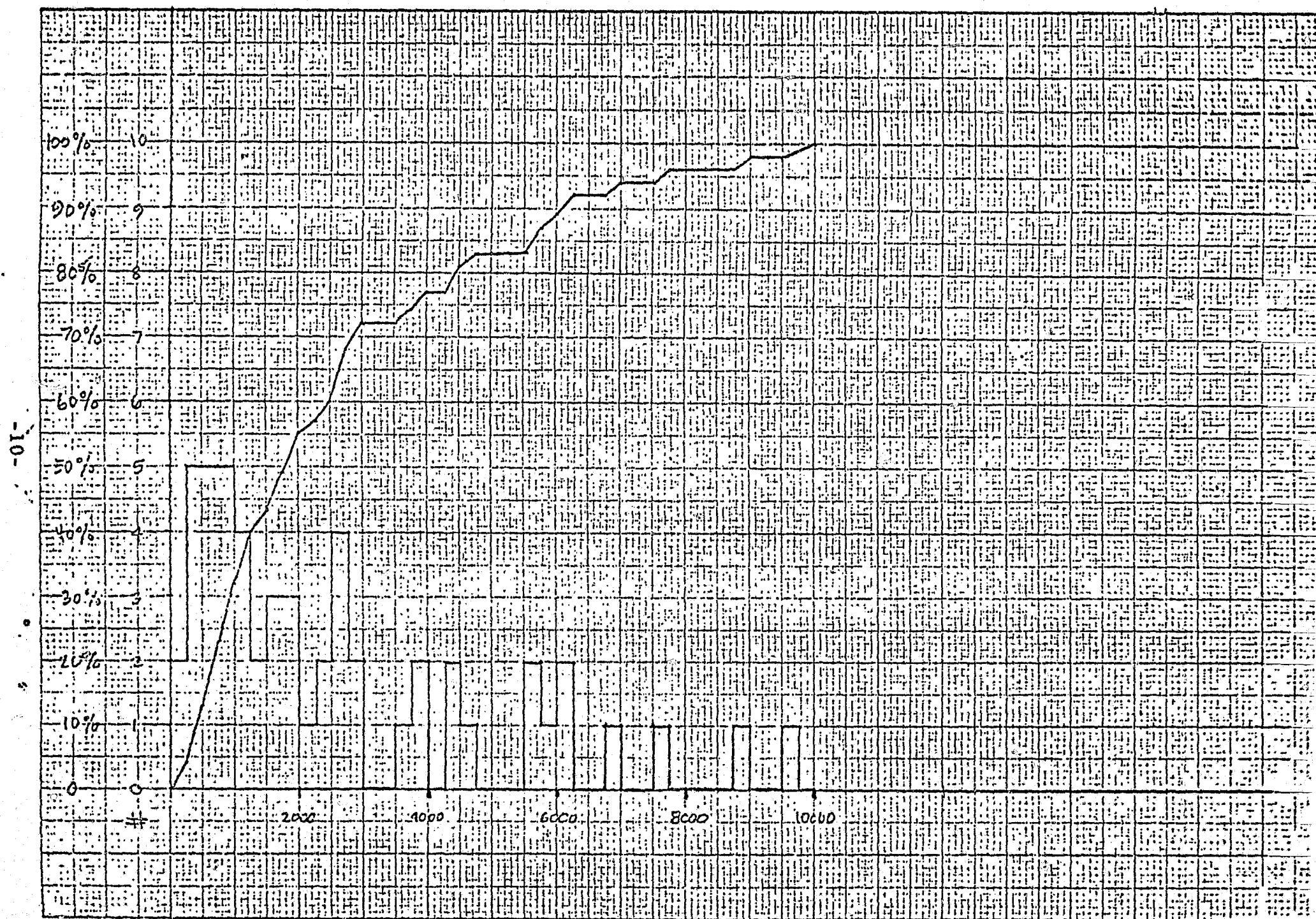


FIGURE 2

POINT	OBSERVED		ACTUAL		DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
	X	Y	X	Y						
1	4246860	4025400	4245920	4025900	-940	500	0.106471E 04	0.083600E 06	0.250000E 06	0.113360E 07
5	4256820	4040240	4258240	4039240	1420	-1000	0.173678E 04	0.201640E 07	0.100000E 07	0.301640E 07
9	4246650	4063260	4253140	4059160	6490	-4100	0.707659E 04	0.421201E 08	0.168100E 08	0.589301E 08
13A	4257560	4065570	4257950	4071400	390	5830	0.584303E 04	0.152100E 06	0.339889E 08	0.341410E 08
17A	4270920	4066240	4271500	4066320	580	80	0.585491E 03	0.336400E 06	0.640000E 04	0.342800E 06
21	4283810	4066060	4284820	4063460	1010	-2600	0.278928E 04	0.102010E 07	0.676000E 07	0.778010E 07
25	4285810	4077100	4287020	4077080	1210	-20	0.121017E 04	0.146410E 07	0.400000E 03	0.146450E 07
29	4283780	4080330	4273960	4082280	-8820	1950	0.903299E 04	0.777924E 08	0.380250E 07	0.815949E 08
33	4250710	4086410	4250140	4086160	-570	-250	0.622415E 03	0.324900E 06	0.625000E 05	0.387400E 06
37A	4243900	4109160	4239220	4109280	-4680	120	0.468154E 04	0.219024E 08	0.144000E 05	0.219168E 08
41	4264890	4108980	4267380	4109800	-2510	820	0.264055E 04	0.630010E 07	0.672400E 06	0.697250E 07
45	4285310	4132510	4281820	4131860	-3490	-650	0.355001E 04	0.121801E 08	0.422500E 06	0.126036E 08
49	4262090	4140760	4263100	4144340	1010	3580	0.371974E 04	0.102010E 07	0.128164E 08	0.138365E 08
49	4261380	4140390	4263100	4144340	1720	3950	0.430823E 04	0.295840E 07	0.156025E 08	0.185609E 08
53	4250060	4133390	4249960	4132580	-100	-810	0.816149E 03	0.100000E 05	0.656100E 06	0.666100E 06
57	4237740	4128360	4236800	4128420	-940	60	0.941913E 03	0.883600E 06	0.360000E 04	0.887200E 06
61	4237110	4131730	4226280	4131620	-830	-110	0.837257E 03	0.688900E 06	0.121000E 05	0.701000E 06
65	4237230	4122970	4226520	4121260	-710	-1710	0.185154E 04	0.504100E 06	0.292410E 07	0.342820E 07
69	4225050	4111770	4226440	4109740	1390	-2030	0.246028E 04	0.193210E 07	0.412090E 07	0.605300E 07
73	4227750	4095610	4228160	4091780	410	-3830	0.385188E 04	0.168100E 06	0.146689E 08	0.148370E 08
77	4233920	4082230	4233860	4082080	-60	650	0.652763E 03	0.360000E 04	0.422500E 06	0.426100E 06
81	4230370	4077050	4229300	4077320	-1070	270	0.110354E 04	0.114490E 07	0.729000E 05	0.121780E 07
85	4235160	4062820	4234300	4064060	-860	1240	0.150904E 04	0.739600E 06	0.153760E 07	0.227720E 07
89	4228980	4060480	4228560	4059240	-420	-1240	0.130920E 04	0.176400E 06	0.153760E 07	0.171400E 07
93	4231350	4051390	4230720	4049300	-630	-2090	0.218289E 04	0.398900E 06	0.436810E 07	0.476500E 07
93	4230790	4051900	4230720	4049300	-70	-2600	0.260094E 04	0.490000E 04	0.676000E 07	0.676490E 07
97	4234230	4041300	4234720	4038560	490	-2740	0.278347E 04	0.240100E 06	0.750760E 07	0.774770E 07
100	4222800	4038790	4222800	4033320	0	-5470	0.547000E 04	0.0	0.299209E 08	0.299209E 08
105	4199350	4008280	4199240	4005840	-110	-2440	0.244248E 04	0.121000E 05	0.595360E 07	0.596570E 07
109	4208220	4019960	4202860	4021260	-5360	1300	0.551540E 04	0.287296E 08	0.169000E 07	0.304196E 08
113	4208040	4035370	4208140	4036500	100	1130	0.113442E 04	0.100000E 05	0.127690E 07	0.128690E 07
117	4205130	4039160	4204540	4039140	-590	-20	0.590339E 03	0.348100E 06	0.400000E 03	0.348500E 06
121	4203130	4055220	4203140	4054940	10	-280	0.280178E 03	0.100000E 03	0.784000E 05	0.785000E 05
125	4207950	4063840	4207240	4065000	-710	2160	0.227370E 04	0.504100E 06	0.466500E 07	0.516970E 07
129	4208980	4070130	4207640	4074380	-1340	4250	0.445624E 04	0.179560E 07	0.180625E 08	0.198581E 08
133	4204580	4084090	4210980	4086760	6400	2670	0.683462E 04	0.409600E 08	0.712890E 07	0.480889E 08
137	4203780	4097630	4202320	4097880	-1460	250	0.148125E 04	0.213160E 07	0.625000E 05	0.219410E 07
141	4212230	4112470	4219760	4112380	2530	-90	0.253160E 04	0.640090E 07	0.810000E 04	0.640900E 07
145	4212110	4121720	4212200	4121340	90	-380	0.390512E 03	0.810000E 04	0.144400E 06	0.152500E 06
149	4209390	4126200	4210240	4127120	850	920	0.125256E 04	0.722500E 06	0.846400E 06	0.156890E 07
153	4210890	4129040	4214180	4134360	3290	5320	0.625512E 04	0.108241E 08	0.283024E 08	0.391265E 08
157	4198260	4148060	4198240	4148060	-20	0	0.200000E 02	0.400000E 03	0.0	0.400000E 03
161	4194640	4127990	4194340	4128280	-300	290	0.417253E 03	0.500000E 05	0.841000E 05	0.174100E 06
165	4192630	4119710	4191640	4119820	-990	110	0.996092E 03	0.980100E 06	0.121000E 05	0.992200E 06
169	4191600	4105000	4189640	4105400	-1960	400	0.200040E 04	0.334160E 07	0.160000E 06	0.400160E 07
173	4159890	4095310	4153920	4096480	-5970	1170	0.608357E 04	0.356409E 08	0.136890E 07	0.370098E 08
177	4177270	4098370	4177060	4098380	-210	10	0.210238E 03	0.441000E 05	0.100000E 03	0.442000E 05
181	4201430	4081760	4201040	4082040	-390	280	0.480104E 03	0.152100E 06	0.784000E 05	0.230500E 06
185	4179850	4074160	4178560	4072540	-1290	-1620	0.207087E 04	0.166410E 07	0.262440E 07	0.428850E 07
189	4193900	4063640	4194280	4063500	380	-140	0.404969E 03	0.144400E 06	0.196000E 05	0.164000E 06
193	4180700	4049140	4180560	4048980	-140	-160	0.212603E 03	0.196000E 05	0.256000E 05	0.453000E 05
197	4188290	4050800	4185660	4041600	-2630	-9200	0.958854E 04	0.691690E 07	0.846400E 08	0.815569E 08
200	4203850	4038870	4204560	4039180	710	310	0.774726E 03	0.504100E 06	0.961000E 05	0.600200E 06

TABLE 2

	AVERAGE	VARIANCE	STD. DEV.
ANCE	0.257753E 04	0.561042E 07	0.236863E 04
RA X	-0.371509E 03	0.600948E 07	0.245142E 04
DELTA Y	-0.112453E 03	0.621886E 07	0.249376E 04

R=-0.780702E-02

READY.

TEST DATES 2/6 - 2/7

MEAN = 2577.5

MEDIAN = 2000

σ = 2368.6

γ = 0.0073

N = 53

STD. ERROR = 329.35

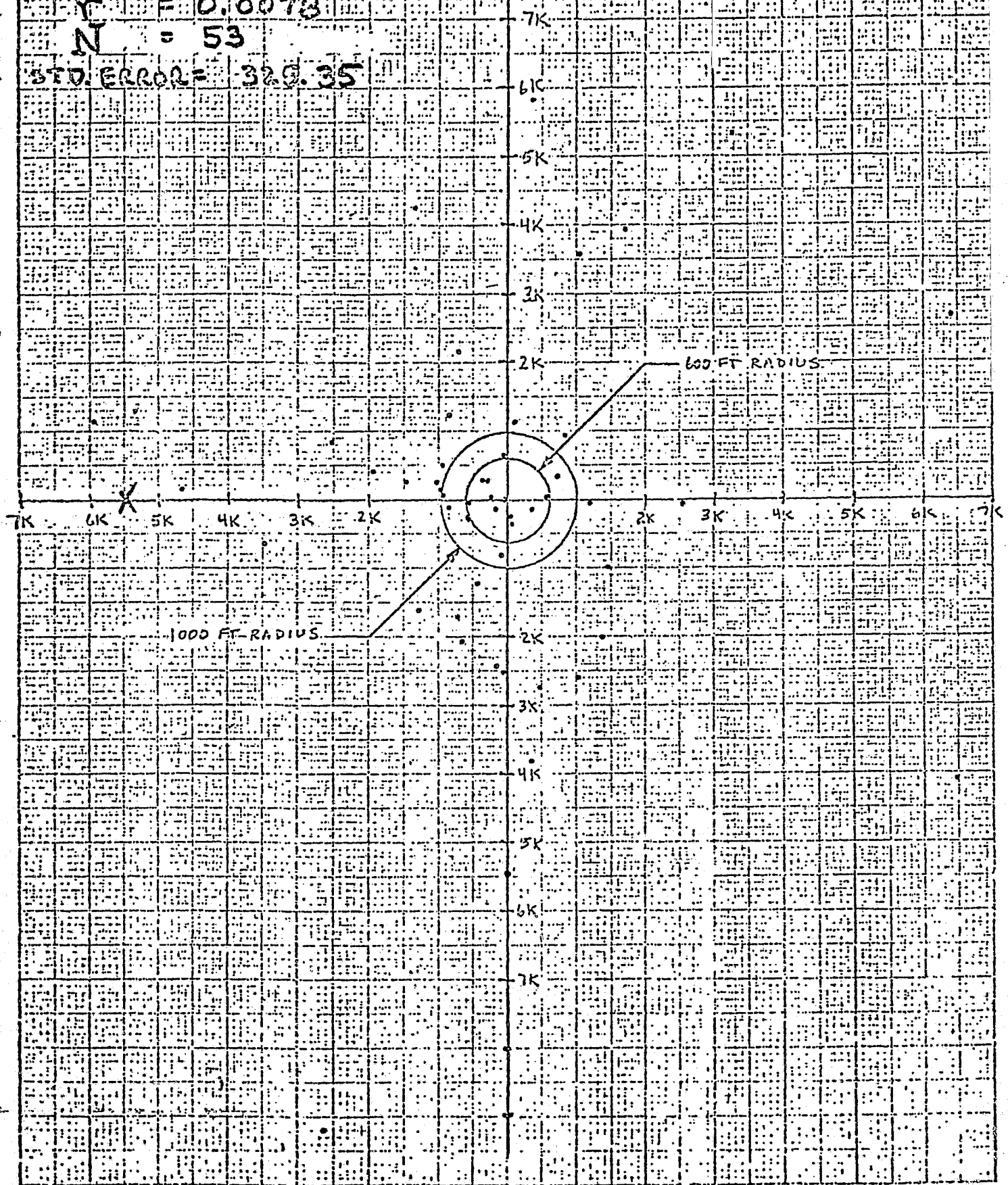


FIGURE 3



CORRECTED DATA HISTOGRAM

CARGO SECURITY SYTEM
TEST DATES 2/6-2/7 1978

AGGREGATE

-14-

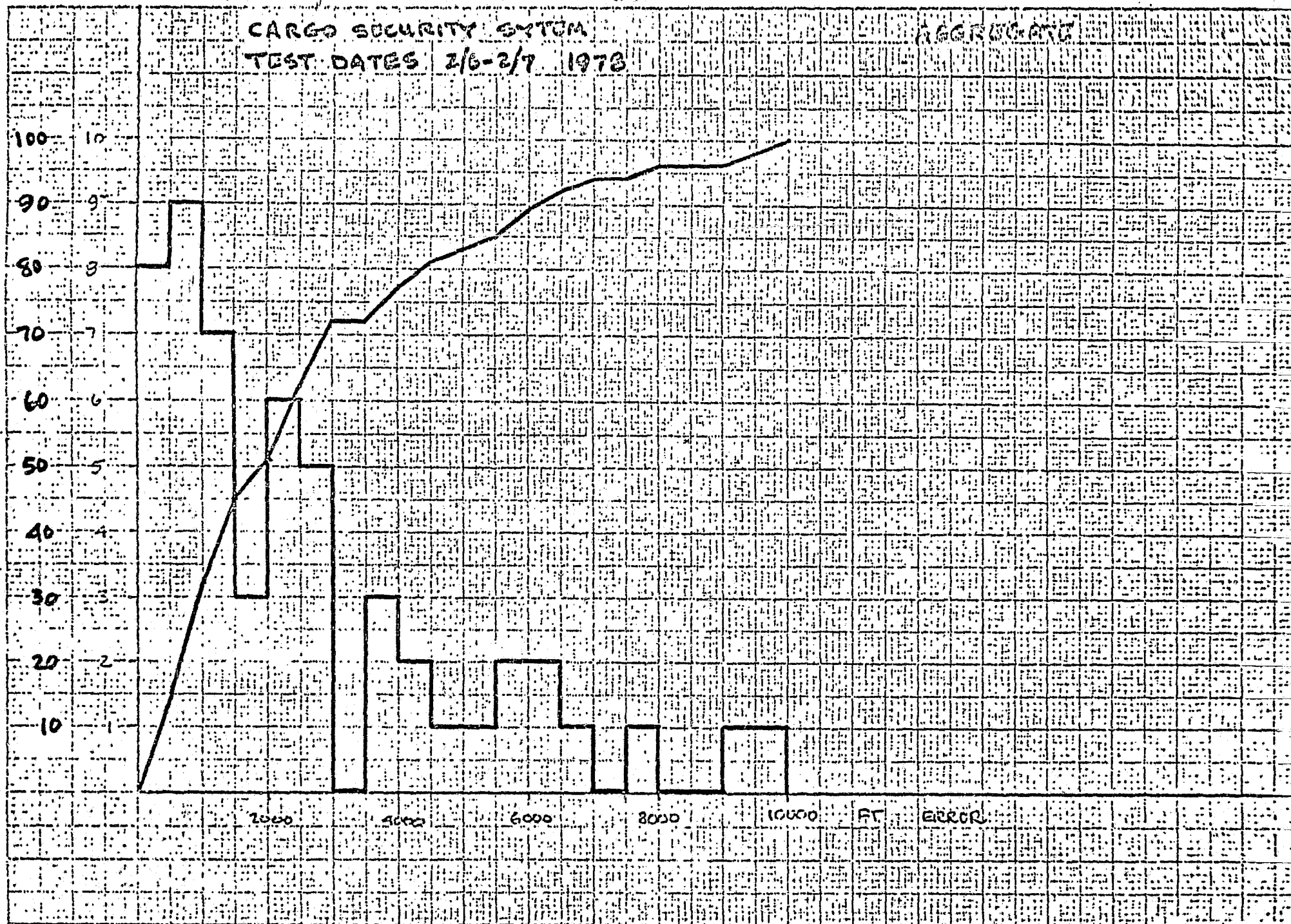


FIGURE 4

POINT	OBSERVED X Y	ACTUAL X Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
1	4246860 4025400	4245920 4025900	-940	500	0.106471E 04	0.883600E 06	0.250000E 06	0.112360E 07
5	4256820 4040240	4256240 4039240	1420	-1000	0.173673E 04	0.201640E 07	0.100000E 07	0.301640E 07
9	4246650 4063260	4253140 4059160	6490	-4100	0.767659E 04	0.421201E 08	0.168100E 08	0.589301E 08
13A	4257560 4065570	4257950 4071400	390	5830	0.594303E 04	0.152100E 06	0.339889E 08	0.341410E 08
17A	4270920 4066240	4271500 4066320	580	80	0.585491E 03	0.336400E 06	0.640000E 04	0.342800E 06
21	4283810 4066660	4284820 4063460	1010	-2600	0.278928E 04	0.102010E 07	0.676000E 07	0.778010E 07
25	4285010 4077100	4287020 4077000	1210	-20	0.121017E 04	0.146410E 07	0.400000E 03	0.146410E 07
29	4282780 4080330	4273960 4082280	-8820	1950	0.903299E 04	0.777924E 08	0.380250E 07	0.815949E 08
33	4250710 4086410	4250140 4086160	-570	-250	0.622415E 03	0.324900E 06	0.625000E 05	0.387400E 06
37A	4247300 4109160	4239220 4109280	-4680	120	0.468154E 04	0.219624E 08	0.144000E 05	0.219168E 08
41	4269890 4108980	4267380 4109800	-2510	820	0.264055E 04	0.630010E 07	0.672400E 06	0.697750E 07
45	4285310 4132510	4281820 4131860	-3490	-650	0.355001E 04	0.121801E 08	0.422500E 06	0.126026E 08
49	4262090 4140760	4263100 4144340	1010	3530	0.371974E 04	0.102010E 07	0.128164E 08	0.138365E 08
49	4261380 4140390	4263100 4144340	1720	3950	0.430823E 04	0.295840E 07	0.156025E 08	0.185609E 08
53	4250060 4133290	4249960 4132580	-100	-810	0.816149E 03	0.100000E 05	0.656100E 06	0.666100E 06
57	4237740 4128360	4236800 4128420	-940	60	0.941913E 03	0.883600E 06	0.360000E 04	0.987200E 06
61	4227110 4131720	4226280 4131620	-830	-110	0.837257E 03	0.688900E 06	0.121000E 05	0.701000E 06
65	4227230 4122970	4226520 4121260	-710	-1710	0.185154E 04	0.504100E 06	0.292910E 07	0.372820E 07
69	4225050 4111770	4226440 4109740	1390	-2030	0.246028E 04	0.193210E 07	0.412090E 07	0.605300E 07
73	4227750 4095610	4228160 4091780	410	-3830	0.385188E 04	0.168100E 06	0.146689E 08	0.148370E 08
77	4233920 4082230	4233860 4082880	-60	650	0.652763E 03	0.360000E 04	0.422500E 06	0.426100E 06
81	4230370 4077050	4229300 4077320	-1070	270	0.110354E 04	0.114490E 07	0.729000E 05	0.121780E 07
85	4235160 4082820	4234300 4064060	-860	1240	0.150904E 04	0.739600E 06	0.153760E 07	0.227720E 07
89	4228980 4060480	4228560 4059240	-420	-1240	0.136920E 04	0.176400E 06	0.153760E 07	0.171400E 07
93	4231350 4051390	4230720 4049300	-630	-2090	0.218289E 04	0.396900E 06	0.436810E 07	0.476500E 07

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.267913E 04	0.500677E 07	0.223803E 04
DELTA X	-0.440000E 03	0.717831E 07	0.267924E 04
DELTA Y	-0.556000E 02	0.510233E 07	0.225883E 04

R=-0.268903E 00

READY

TABLE 3

POINT	OBSERVED X	OBSERVED Y	ACTUAL X	ACTUAL Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
93	4230790	4051900	4230720	4049300	-70	-2600	0.280094E 04	0.490000E 04	0.670000E 07	0.678490E 07
97	4234230	4041300	4234720	4038500	490	-2740	0.278347E 04	0.340100E 06	0.750760E 07	0.774770E 07
100	4222800	4038790	4222800	4033320	0	-5470	0.047000E 04	0.0	0.299209E 08	0.299209E 08
105	4199350	4008280	4199240	4005840	-110	-2440	0.244248E 04	0.121000E 05	0.595360E 07	0.596570E 07
109	4208220	4019960	4202860	4021260	-5360	1300	0.551540E 04	0.287296E 08	0.169000E 07	0.304196E 08
113	4208040	4035370	4208140	4036500	100	1130	0.113442E 04	0.100000E 05	0.127690E 07	0.128890E 07
117	4205130	4039160	4204540	4039140	-590	-30	0.590339E 03	0.348100E 06	0.400000E 03	0.348300E 06
121	4203130	4055220	4203140	4054940	10	-280	0.280178E 03	0.100000E 03	0.784000E 05	0.785000E 05
125	4207950	4062840	4207240	4065000	-710	2160	0.227370E 04	0.504100E 06	0.466560E 07	0.516970E 07
129	4208980	4070130	4207640	4074380	-1340	4250	0.445624E 04	0.179560E 07	0.180825E 08	0.198581E 08
133	4204580	4064050	4210960	4086760	6400	2670	0.683483E 04	0.409600E 08	0.712890E 07	0.480889E 08
137	4203780	4097630	4202320	4097880	-1460	250	0.148125E 04	0.213160E 07	0.625000E 05	0.219410E 07
141	4217230	4112470	4219760	4112380	2530	-90	0.253160E 04	0.840090E 07	0.010000E 04	0.640900E 07
145	4212110	4121730	4212200	4121340	90	-380	0.390513E 03	0.810000E 04	0.144400E 06	0.152500E 06
149	4209390	4126200	4210240	4127120	850	920	0.125256E 04	0.722500E 06	0.846400E 06	0.156890E 07
153	4210890	4129040	4214180	4134360	3290	5320	0.625512E 04	0.108241E 08	0.282024E 08	0.391365E 08
157	4198260	4148060	4198240	4148060	-20	0	0.200000E 02	0.400000E 03	0.0	0.400000E 03
161	4194640	4127990	4194340	4128280	-300	290	0.417253E 03	0.900000E 05	0.841000E 05	0.174100E 06
165	4192630	4119710	4191640	4119820	-990	110	0.996092E 03	0.980100E 06	0.121000E 05	0.992200E 06
169	4191600	4105000	4189640	4105400	-1960	400	0.200040E 04	0.384160E 07	0.160000E 06	0.400160E 07
173	4159890	4095310	4153920	4096480	-5970	1170	0.608357E 04	0.356409E 08	0.136890E 07	0.370098E 08
177	4177270	4098370	4177060	4098380	-210	10	0.210238E 03	0.441000E 05	0.100000E 03	0.442000E 05
181	4307130	4081760	4201040	4082040	-390	280	0.480104E 03	0.152100E 06	0.784000E 05	0.230500E 06
185	4179850	4074160	4178560	4072540	-1290	-1620	0.207087E 04	0.166410E 07	0.262440E 07	0.428850E 07
189	4193900	4053640	4194280	4053500	380	-140	0.404969E 03	0.144400E 06	0.196000E 05	0.184000E 06
193	4180700	4049140	4180560	4048980	-140	-160	0.212603E 03	0.196000E 05	0.256000E 05	0.452000E 05
197	4188290	4050800	4185660	4041600	-2630	-9200	0.956854E 04	0.691690E 07	0.846400E 08	0.915569E 08
200	4203850	4038870	4204560	4039180	710	310	0.774726E 03	0.504100E 06	0.961000E 05	0.600200E 06

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.248666E 04	0.633491E 07	0.251692E 04
DELTA X	-0.310357E 03	0.518493E 07	0.227704E 04
DELTA Y	-0.163214E 03	0.743600E 07	0.372690E 04

R= 0.219264E 00

READY

TABLE 4

TEST	DATES	2/6 - 2/7	1978
	MON	TUES	
MEAN	2679.1	2486.9	
MEDIAN	1851.5	1740.65	
ST	2238.0	2516.9	
T	-0.27	0.22	
N	25	28	
STD. CORR	447.6	475.65	

MONDAY
TUESDAY

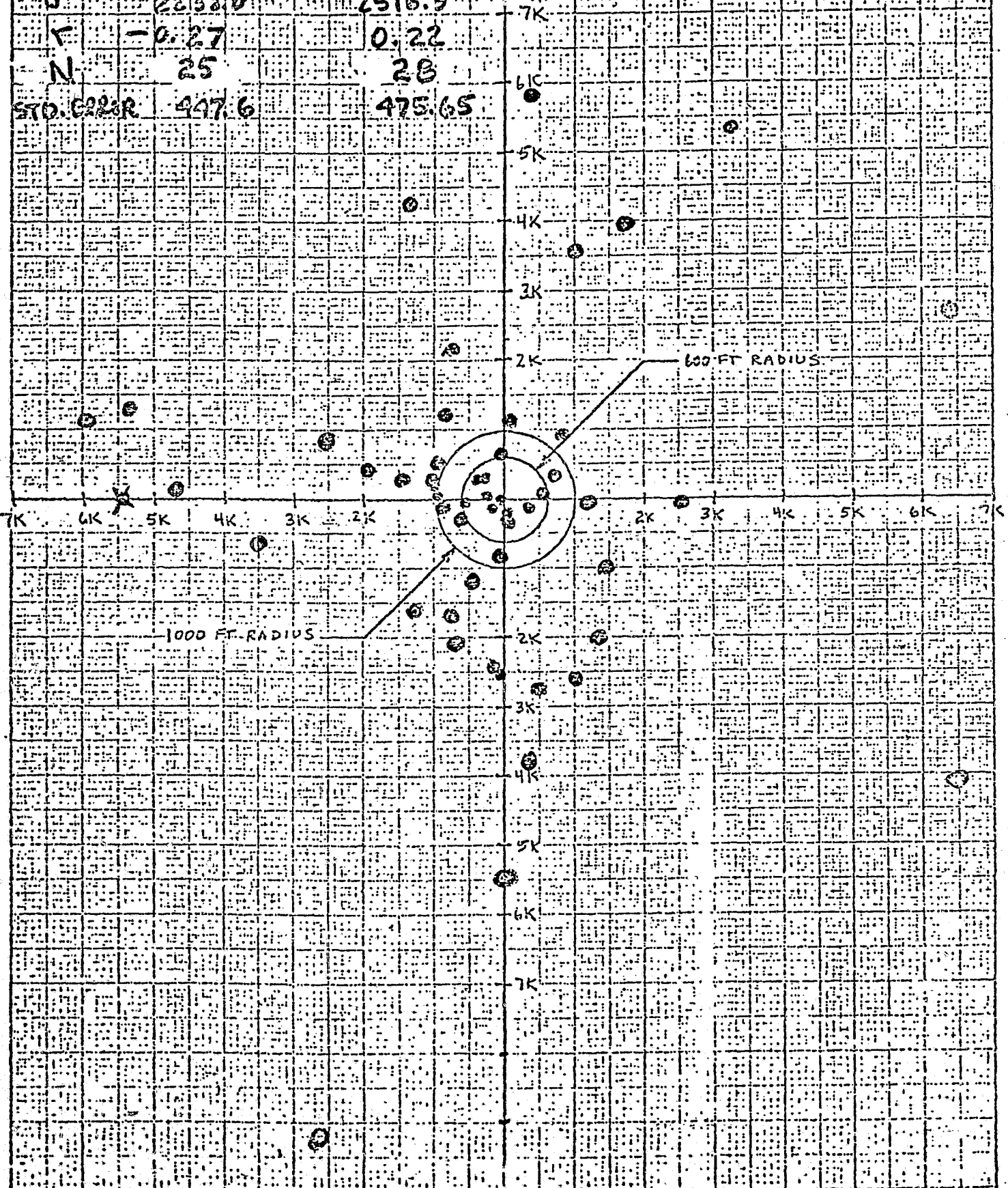


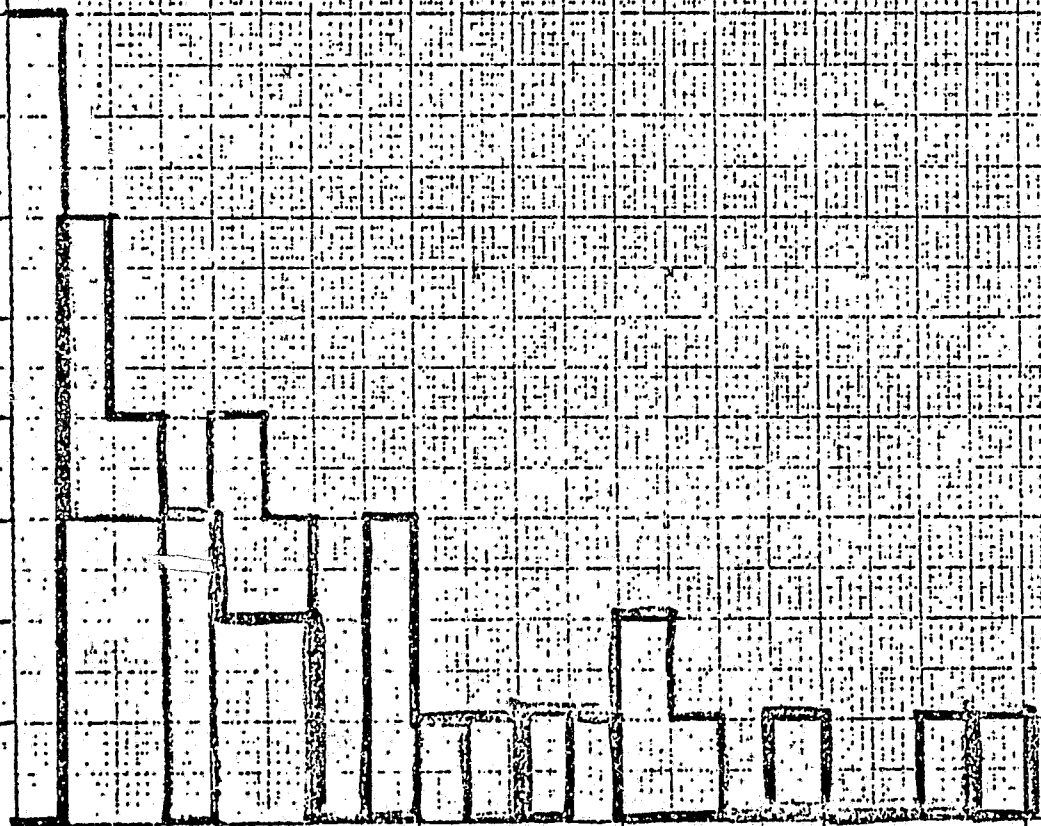
FIGURE 5

CORRECTED DATA HISTOGRAM BY DAYS

CARGO SECURITY SYSTEM
TEST DATES 2/6 - 2/7 1978

○ MONDAY
○ TUESDAY

10
9
8
7
6
5
4
3
2
1



2000 4000 6000 8000 10000 FT. ERROR

FIGURE 6

CORRECTED DATA OGIVE CHART BY DAYS

CARGO SECURITY SYSTEM
TEST DATES 2/6-2/7 1978

- MONDAY
- TUESDAY
- AGGREGATE

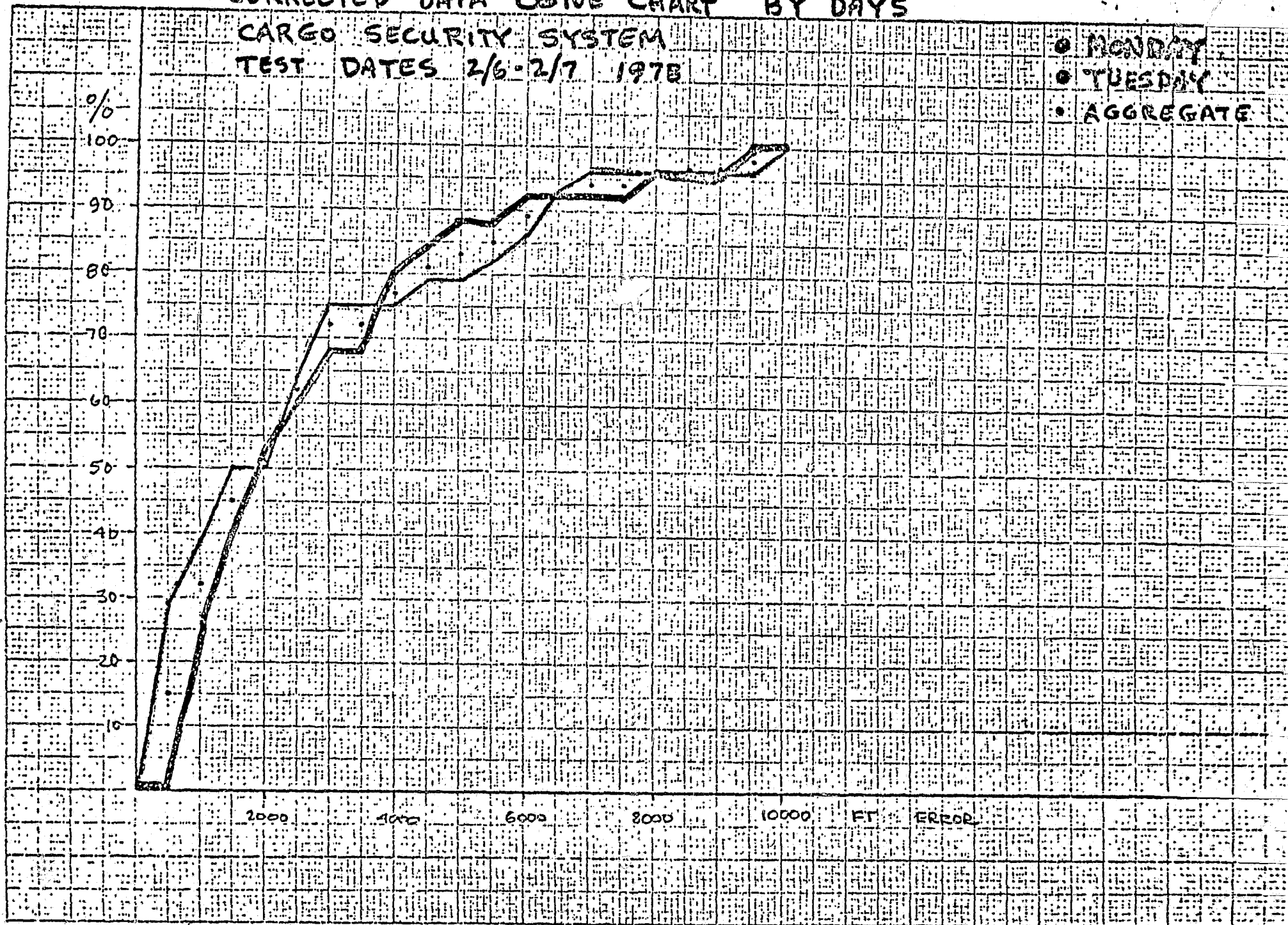


FIGURE 7

POINT	OBSERVED X	OBSERVED Y	ACTUAL X	ACTUAL Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
137	4203780	4097630	4202320	4097880	-1460	250	0.148125E 04	0.213160E 07	0.625000E 05	0.219410E 07
145	4212110	4121720	4212200	4121340	90	-380	0.390512E 03	0.810000E 04	0.144400E 06	0.152500E 06
149	4209390	4126200	4210240	4127120	850	920	0.125256E 04	0.722500E 06	0.846400E 06	0.156890E 07
153	4210890	4129040	4214180	4134360	3290	5320	0.625512E 04	0.108241E 08	0.283024E 08	0.391365E 08
157	4198260	4148060	4198240	4148060	-20	0	0.200000E 02	0.400000E 03	0.0	0.400000E 03
161	4194640	4127990	4194340	4128280	-300	290	0.417253E 03	0.200000E 05	0.841000E 05	0.174100E 06
165	4192630	4119710	4191640	4119820	-990	110	0.996692E 03	0.980100E 06	0.121000E 05	0.992000E 06
169	4191600	4105000	4189640	4105400	-1960	400	0.200040E 04	0.384160E 07	0.160000E 06	0.400160E 07
173	4159890	4095310	4153920	4096480	-5970	1170	0.608357E 04	0.356409E 08	0.136690E 07	0.370098E 08
177	4177270	4098370	4177060	4098380	-210	10	0.210238E 03	0.441000E 05	0.100000E 03	0.442000E 05
185	4179850	4074160	4178560	4072540	-1290	-1620	0.207087E 04	0.166410E 07	0.262440E 07	0.428850E 07

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.192526E 04	0.487800E 07	0.220862E 04
DELTA X	-0.724545E 03	0.501728E 07	0.223993E 04
DELTA Y	0.588182E 03	0.297997E 07	0.172626E 04

R= 0.431797E 00

POINT	OBSERVED		ACTUHL		DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
	X	Y	X	Y						
25	4285810	4077100	4287020	4077080	1210	-20	0.121017E 04	0.146410E 07	0.400000E 03	0.146450E 07
41	4269890	4108980	4267380	4108800	-2510	820	0.264055E 04	0.630010E 07	0.672400E 06	0.897250E 07
45	4285310	4132510	4281820	4131860	-3490	-650	0.355001E 04	0.121801E 08	0.422500E 06	0.126038E 08
49	4262090	4140760	4263100	4144340	1010	3580	0.371974E 04	0.102010E 07	0.138164E 08	0.138365E 08
49	4261380	4140390	4263100	4144340	1720	3950	0.430823E 04	0.295840E 07	0.156025E 08	0.185609E 08
53	4250060	4133390	4249960	4132580	-100	-810	0.816149E 03	0.100000E 05	0.656100E 06	0.666100E 06

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.270748E 04	0.202411E 07	0.142271E 04
DELTA X	-0.360000E 03	0.463104E 07	0.215198E 04
DELTA Y	0.114500E 04	0.446083E 07	0.211207E 04

R= 0.578645E 00

POINT	OBSERVED X Y	ACTUAL X Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
1	4246860 4025400	4245920 4025900	-940	500	0.106471E 04	0.883600E 06	0.250000E 06	0.113360E 07
5	4256820 4040240	4258240 4039240	1420	-1000	0.173678E 04	0.201640E 07	0.100000E 07	0.301640E 07
9	4246650 4063260	4253140 4059160	6490	-4100	0.767659E 04	0.421201E 08	0.168100E 08	0.589301E 08
17A	4270920 4066240	4271500 4066320	580	80	0.585491E 03	0.336400E 06	0.640000E 04	0.342800E 06
21	4283810 4066060	4284820 4063460	1010	-2600	0.278928E 04	0.102010E 07	0.676000E 07	0.778010E 07
35	4235160 4063820	4234300 4064060	-860	1240	0.150404E 04	0.739600E 06	0.153760E 07	0.227730E 07
39	4228980 4060480	4228560 4059240	-420	-1240	0.130920E 04	0.176400E 06	0.153760E 07	0.171400E 07
93	4231350 4051390	4230720 4049300	-630	-2090	0.216289E 04	0.396900E 06	0.136810E 07	0.476500E 07
93	4230790 4051900	4230720 4049300	-70	-2600	0.260094E 04	0.490000E 04	0.678000E 07	0.678400E 07
97	4234230 4041300	4234720 4038560	490	-2740	0.278347E 04	0.240100E 06	0.750760E 07	0.774770E 07
100	4222800 4038790	4222800 4033320	0	-5470	0.547000E 04	0.0	0.299209E 08	0.299209E 08
105	4199350 4008280	4199240 4005840	-110	-2440	0.244248E 04	0.131000E 05	0.595360E 07	0.595570E 07
109	4208220 4019960	4202860 4021260	-5360	1300	0.551540E 04	0.287296E 08	0.169000E 07	0.504196E 08
113	4208040 4035370	4208140 4036500	100	1130	0.113443E 04	0.100000E 05	0.127670E 07	0.128690E 07
117	4205130 4039160	4204540 4039140	-590	-20	0.590339E 03	0.348100E 06	0.400000E 03	0.348500E 06
121	4203130 4055220	4203140 4054940	10	-280	0.280178E 03	0.100000E 03	0.784000E 05	0.785000E 05
189	4193900 4053640	4194280 4053500	380	-140	0.404969E 03	0.144400E 06	0.196000E 05	0.164000E 06
193	4180700 4049140	4180560 4048980	-140	-160	0.212603E 03	0.196000E 05	0.256000E 05	0.452000E 05
197	4188290 4050800	4185660 4041600	-2630	-9200	0.956854E 04	0.691690E 07	0.846400E 08	0.915569E 08
200	4203950 4033870	4204560 4039180	710	310	0.774726E 03	0.504100E 06	0.961000E 05	0.600200E 06

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.253160E 04	0.666727E 07	0.258211E 04
DELTA X	-0.280000E 02	0.445283E 07	0.211017E 04
DELTA Y	-0.147600E 04	0.666670E 07	0.258199E 04

R=-0.139942E 00

TABLE 7

POINT	OBSERVED X	OBSERVED Y	ACTUAL X	ACTUAL Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
13A	4257560	4065570	4257950	4071400	390	5830	0.584303E 04	0.152100E 06	0.339889E 08	0.341410E 08
29	4282780	4080330	4273960	4082280	-8820	1950	0.903299E 04	0.777924E 08	0.380250E 07	0.815949E 08
33	4250710	4086410	4250140	4086160	-570	-250	0.622415E 03	0.324900E 06	0.625000E 05	0.387400E 06
37A	4243900	4109160	4239220	4109280	-4680	120	0.468154E 04	0.219034E 08	0.144000E 05	0.219168E 08
57	4237740	4128360	4236800	4128420	-940	60	0.941913E 03	0.883600E 06	0.360000E 04	0.887200E 06
61	4227110	4131730	4226280	4131620	-830	-110	0.837257E 03	0.688900E 06	0.121000E 05	0.701000E 06
65	4227230	4122970	4226520	4121260	-710	-1710	0.185154E 04	0.504100E 06	0.292410E 07	0.342820E 07
69	4225050	4111770	4226440	4109740	1390	-2030	0.246028E 04	0.193210E 07	0.412090E 07	0.605300E 07
73	4227750	4095610	4228160	4091780	410	-3830	0.385168E 04	0.168100E 06	0.146689E 08	0.148370E 08
77	4233920	4082230	4233860	4083880	-60	650	0.652763E 03	0.360000E 04	0.422500E 06	0.436100E 06
81	4230370	4077050	4229300	4077320	-1070	270	0.110354E 04	0.114490E 07	0.729000E 05	0.131780E 07
125	4207950	4062840	4207240	4065000	-710	2160	0.227370E 04	0.504100E 06	0.465600E 07	0.516970E 07
129	4208980	4070130	4207640	4074380	-1340	4250	0.445624E 04	0.179560E 07	0.180625E 08	0.198581E 08
133	4204580	4084090	4210980	4086760	6400	2670	0.693462E 04	0.409600E 08	0.712890E 07	0.480889E 08
141	4217230	4112470	4219760	4112380	2530	-90	0.253160E 04	0.640090E 07	0.810000E 04	0.640900E 07
181	4201430	4081760	4201040	4082040	-390	280	0.480104E 03	0.152100E 06	0.784000E 05	0.230500E 06

AVERAGE VARIANCE STD. DEV.
 DISTANCE 0.303471E 04 0.653299E 07 0.255597E 04
 DELTA X -0.562500E 03 0.100165E 08 0.316488E 04
 DELTA Y 0.638750E 03 0.556725E 07 0.235950E 04

R=-0.316392E-01

TABLE 8.

CARGO SECURITY TEST POINT DIFFERENCES BY AREA TEST DATES 2/6 - 2/7 1973

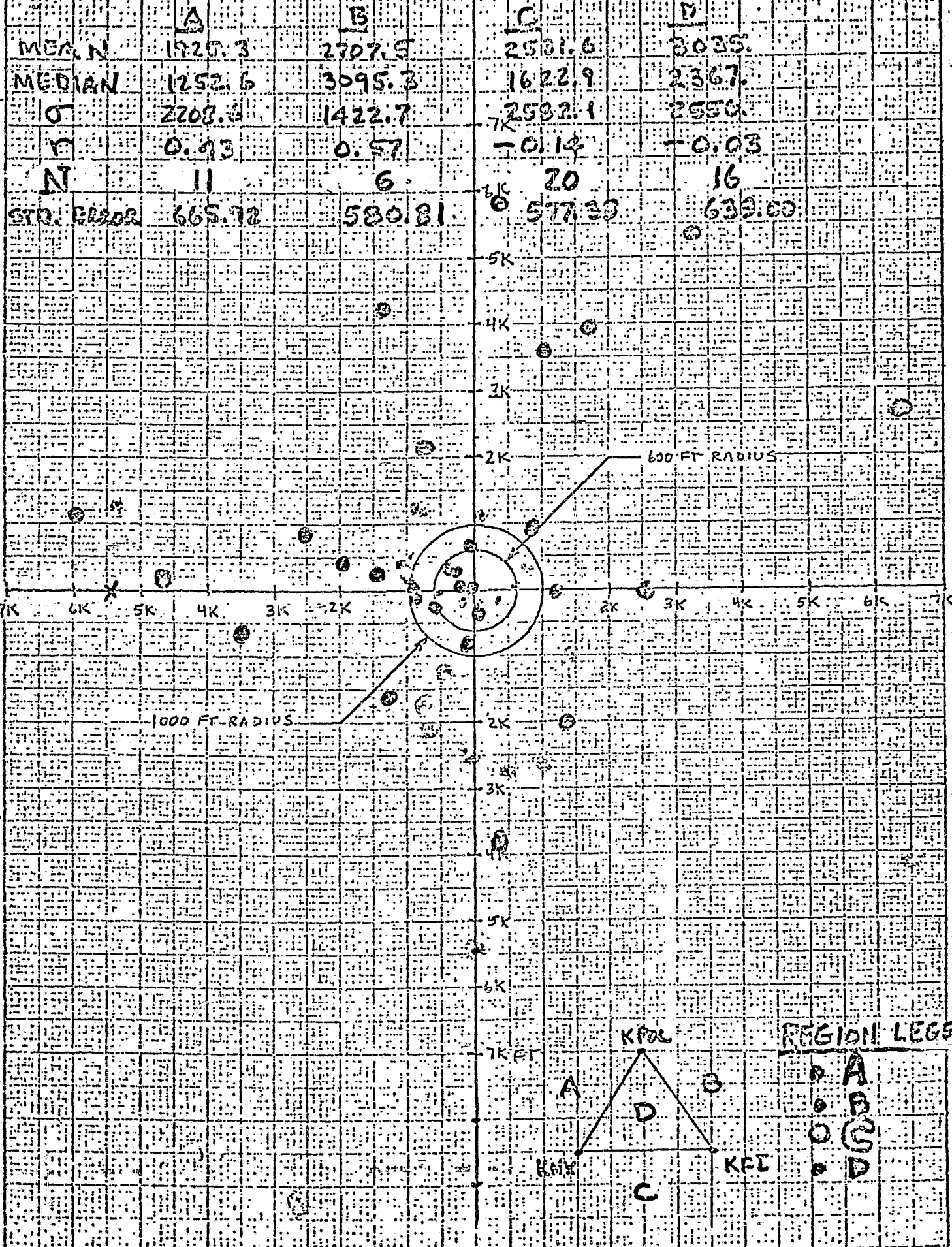


FIGURE 8 -24-

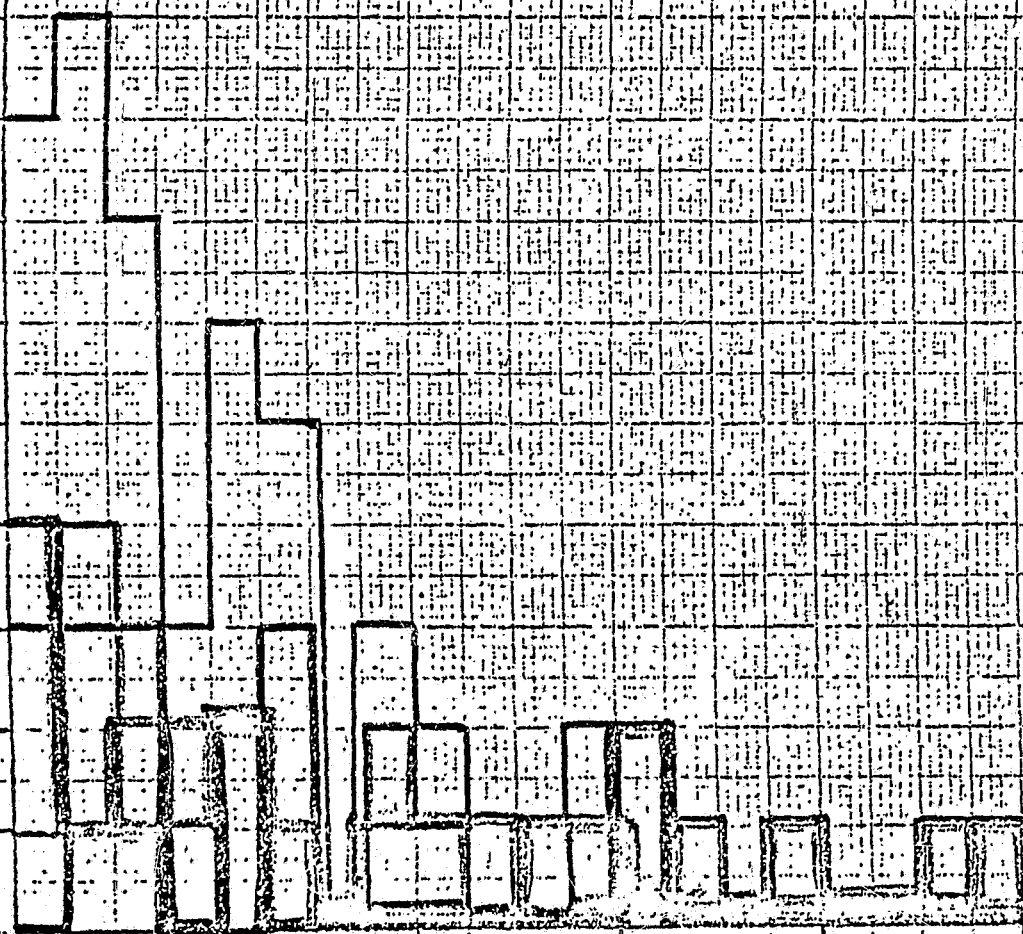
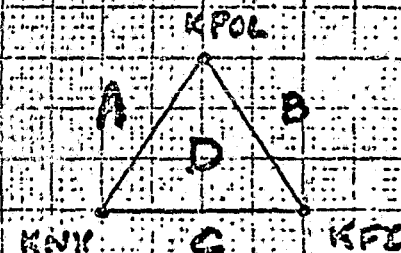


CORRECTED DATA HISTOGRAM BY AREA

CARGO SECURITY SYSTEM

TEST DATES 2/6-2/7 1978

○ A
○ B
○ C
○ D
● TOTAL



ET ERROR

FIGURE 9

CORRECTED DATA OGIVE CHART BY AREA

CARGO SECURITY SYSTEM

TEST DATES 2/6-2/7 1978

%

100

90

80

70

60

50

40

30

20

10

2000

4000

6000

8000

10000

FT

ERROR

A
B
C
D

• TOTAL

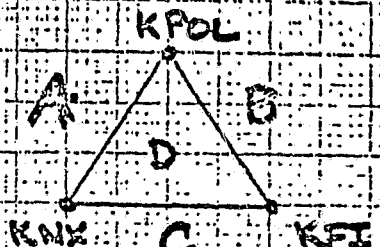


FIGURE 10

DISCUSSION

Description of Location Tests

As originally outlined in the Phase 1 Acceptance Tests Plans, the vehicle location and communications tests were designated to be conducted at some 200 locations (as shown in Appendix P). After some preliminary testing in November 1977 and January 1978, it was considered to be very difficult to complete the 200 test point case and an ammended test plan was written covering some 51 test locations (as shown in Appendix Q).

Test Locations

The 200 point test locations were located throughout Los Angeles and Orange Counties. The 51 point test plan was merely a modification of the 200 point test plan wherein every 4th point after the first test point was used. Also, a more expeditious route was selected in order to be able to conduct the test over a two-day period.

Results of Tests

The results of the dry run of the 200 point Acceptance Test Procedure were that it was too lengthy, and cumbersome to conduct (References: IOC 78.5332-289, 294, 296). Therefore it was rewritten during the latter part of January 1978, and preliminary testing was conducted on the 6th and 7th of February 1978. The result of this location testing was an analysis that fixed the mean error on the order of one-half mile. We wrote several ATMs on the results after applying correction factors, modifications, and three some points out of the analysis due to anomalies (e. g., high voltage warps, permanent deformations to the grid due to underpasses, etc.). The net result was that it did improve the mean error, however, it was considered to be an insignificant improvement, (References: ATM 78(7922)-1, -2).

Conclusions

After the dry run of the 200 point test plan (Jan. 1978) and the preliminary test of the 51 test plan (Feb. 1978), certain problems were still seen as problem areas. So a new plan to analyze the problems was developed on 23 March 1978. This plan was primarily to check on whether or not the vehicle was communicating up-link properly with the base station. We went back to test areas that were presented in the Feasibility Study (April 1977) and collected raw data on 5 May 1978. This test seemed to prove that communications was not the big problem. The greatest error still seemed to be correlated with the various unexplained phenomena known as high voltage warps, underpasses, etc. (Ref.: ATM 78(7922)-3)

Some analyses were also conducted looking at the possibility of combining a hybrid hyperbolic location system with an elliptical system. Studies were being conducted at the time of this writing, investigating the combination of an elliptical and circle location finding system.

The conclusion should be that, at this time, the system can do no better than locate the vehicle to within one-half mile of its real location.

APPENDIX A

CALIBRATION PROGRAM (CSS6)

III. A

Calibration Program (CSS6)

This program (as shown in Appendix A) was used to calibrate the raw digitizer tape onto cards in engineering units. This involves calibrating from digitizer counts into engineering units (X, Y coordinates) in feet from a reference somewhere in the Pacific Ocean as defined by the U. S. Geological Survey. The listing in Appendix A also includes the JOB Control Language (JCL) used to run the program.

*** TSO FOREGROUND HARDCOPY ***
SNAME=#11911.MISC.CNTL

(C556)

```
EXEC FORTGCLG
/FORT.SYSIN DD *
INTEGER*2 FID(2),NMS(50,4),RX(50),RY(50)
INTEGER X1(50),Y1(50)
INTEGER X2(50),Y2(50)
DO 100 IFILE=1,14
CALL INFIL(FID,NDP,NMS,RX,RY)
CALL TR1(NDP,RX,RY,X1,Y1)
CALL TR2(IFILE,NDP,X1,Y1,X2,Y2)
CALL PR1(FID,NDP,NMS,RX,RY,X1,Y1,X2,Y2)
CALL BDC(NDP,NMS,X1,Y1)
DO 200 I=1,NDP
J=I+6
WRITE(7,20) (NMS(J,K),K=1,4),X2(J),Y2(J)
20 FORMAT(1X,4A2,2X,I8,2X,I8)
100 CONTINUE
STOP
END
```

SUBROUTINE RDT1(FID,REFX,REFY)

READ A TYPE 1 RECORD (FILE I.D. RECORD)

```
INTEGER*2 FID(2),REFX(4),REFY(4)
READ(1) FID,(REFX(I),REFY(I),I=1,4)
RETURN
END
```

SUBROUTINE RDT2(RID,NPTS,X,Y,*)

READ A TYPE 2 RECORD

```
INTEGER*2 RID(4),NPTS,X(50),Y(50)
READ(1,END=800) RID,NPTS,(X(I),Y(I),I=1,NPTS)
RETURN
800 RETURN,1
END
```

```
SUBROUTINE INFIL(FID,NDP,NMS,RX,RY)
INTEGER*2 FID(2),NMS(50,4),RX(50),RY(50)
INTEGER*2 REFX(4),REFY(4),RID(4),NPTS,X(50),Y(50)
```

READ FILE I.D. RECORD

```
CALL RDT1(FID,REFX,REFY)
DO 10 I=1,4
RX(I)=REFX(I)
10 RY(I)=REFY(I)
```

READ AND DISCARD CALIBRATION

CALL RDT2(RID,NPTS,X,Y,&100)

READ AND STORE TRANSLATION VALUES

CALL RDT2(RID,NPTS,X,Y,&100)

RX(5)=X(1)

RY(5)=Y(1)

CALL RDT2(RID,NPTS,X,Y,&100)

RX(6)=X(1)

RY(6)=Y(1)

READ AND STORE DATA POINTS

NDP=0

200 CALL RDT2(RID,NPTS,X,Y,&100)

NDP=NDP+1

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00000640
00000650


```

DO 20 I=1,4
20 NMS(NDP+6,I)=RID(I)
RX(NDP+6)=X(1)
RY(NDP+6)=Y(1)
GO TO 200
100 RETURN
END
SUBROUTINE PRT(FID,NDP,NMS,RX,RY,X1,Y1,X2,Y2)
INTEGER*2 FID(2),NMS(50,4),RX(50),RY(50)
INTEGER X1(50),Y1(50)
INTEGER X2(50),Y2(50)
WRITE(6,10) FID
10 FORMAT('1DATA FOR FILE...',2A2)
WRITE(6,20) NDP
20 FORMAT('/', 'NUMBER OF DATA POINTS ARE...',I3)
WRITE(6,25) X2(1),Y2(1)
25 FORMAT('/', 'ORIGIN OF MAP IS...',(I7,' ',I7,' '))
WRITE(6,30)
30 FORMAT('/', T12, 'RAW DATA', T29, 'TRANSFORMED', T48, 'FINAL(FT.)')
WRITE(6,40)
40 FORMAT(T4, 'NAME', T13, 'X', T17, 'Y', T30, 'X', T39, 'Y', T49, 'X', T58, 'Y')
WRITE(6,50) RX(1),RY(1),X1(1),Y1(1)
50 FORMAT(1X, 'REF PT 1', T12, I4, 1X, I4, T23, I8, 2X, I8)
WRITE(6,60) RX(2),RY(2),X1(2),Y1(2)
60 FORMAT(1X, 'REF PT 2', T12, I4, 1X, I4, T23, I8, 2X, I8)
WRITE(6,70) RX(3),RY(3),X1(3),Y1(3)
70 FORMAT(1X, 'REF PT 3', T12, I4, 1X, I4, T23, I8, 2X, I8)
WRITE(6,80) RX(4),RY(4),X1(4),Y1(4)
80 FORMAT(1X, 'REF PT 4', T12, I4, 1X, I4, T23, I8, 2X, I8)
WRITE(6,90) RX(5),RY(5),X1(5),Y1(5)
90 FORMAT(1X, 'TRAN PT X', I4, 1X, I4, T23, I8, 2X, I8, I4, T23, I8, 2X, I8)
X
WRITE(6,100) RX(6),RY(6),X1(6),Y1(6)
100 FORMAT(1X, 'TRAN PT Y', I4, 1X, I4, T23, I8, 2X, I8, I4, T23, I8, 2X, I8)
X
DO 200 I=1,NDP
200 WRITE(6,110) (NMS(I+6,J),J=1,4),RX(I+6),RY(I+6),X1(I+6),Y1(I+6),
X ,X2(I+6),Y2(I+6)
110 FORMAT(1X,4A2,T12,I4,1X,I4,T23,I8,2X,I8,T45,I8,2X,I8)
RETURN
END
SUBROUTINE TR1(NDP,RX,RY,X1,Y1)
INTEGER*2 RX(50),RY(50)
INTEGER X1(50),Y1(50)
REAL*8 H,COSPHI,SINPHI,X,Y
INTEGER DX,DY,XT,YT,OX,OY
OX=RX(1)
OY=RY(1)
DX=RX(2)-RX(1)
DY=RY(2)-RY(1)
H=DSQRT((DFLOAT(DX))**2+(DFLOAT(DY))**2)
COSPHI=DFLOAT(DX)/H
SINPHI=DFLOAT(DY)/H
J=NDP+6
DO 100 I=1,J
100 XT=RX(I)-OX
YT=RY(I)-OY
X=DFLOAT(XT)*COSPHI+DFLOAT(YT)*SINPHI
Y=DFLOAT(YT)*COSPHI-DFLOAT(XT)*SINPHI
TX=SHGL(X)

```

```

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00000680
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00000720
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00000750
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00000770
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00000820
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0001020
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0001050
0001060
0001070
0001080
0001090
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0001110
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0001130
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0001160
0001170
0001180
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0001230
0001240
0001250

```

```

TY=SNGL(Y)
X1(I)=IFIX(TX)
Y1(I)=IFIX(TY)
100 CONTINUE
RETURN
END
SUBROUTINE BDC(NDP,NMS,X1,Y1)
  INTEGER*2 NMS(50,4)
  INTEGER X1(50),Y1(50)
  J=NDP+2
  DO 100 I=1,J
    IF((X1(I+4)+10).LT.X1(1)) GO TO 200
    IF((X1(I+4)-10).GT.X1(2)) GO TO 200
    IF((Y1(I+4)+10).LT.Y1(1)) GO TO 200
    IF((Y1(I+4)-10).GT.Y1(3)) GO TO 200
    GO TO 100
  200 CONTINUE
  WRITE(6,10) (NMS(I+4,K),K=1,4)
  10 FORMAT(/,'*****WARNING POINT...',
X 4A2,' IS OUT OF BOUNDS')
100 CONTINUE
RETURN
END
SUBROUTINE TR2(IFILE,NDP,X1,Y1,X2,Y2)
  INTEGER X1(50),Y1(50),X2(50),Y2(50),XB(14),YB(14)
  INTEGER OX,OY
  DATA XB/4180000,4220000,4260000,4140000,
1 4180000,4220000,4260000,4300000,4140000,
2 4180000,4220000,4280000,4290000,4180000/
  DATA YB/4120000,4120000,4120000,4070000,
1 4070000,4070000,4070000,4070000,4020000,
2 4030000,4010000,4060000,4030000,4020000/
  OX=XB(IFILE)-X1(5)*20
  OY=YB(IFILE)-Y1(6)*20
  X2(1)=OX
  Y2(1)=OY
  DO 100 J=1,NDP
    I=J+6
    X2(I)=OX+X1(I)*20
  100 Y2(I)=OY+Y1(I)*20
  RETURN
END
//GO.FT01F001 DD UNIT=T,DSN=F1,DISP=OLD,LABEL=(01,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F002 DD UNIT=T,DSN=F2,DISP=OLD,LABEL=(02,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F003 DD UNIT=T,DSN=F3,DISP=OLD,LABEL=(03,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F004 DD UNIT=T,DSN=F4,DISP=OLD,LABEL=(04,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F005 DD UNIT=T,DSN=F5,DISP=OLD,LABEL=(05,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F006 DD UNIT=T,DSN=F6,DISP=OLD,LABEL=(06,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F007 DD UNIT=T,DSN=F7,DISP=OLD,LABEL=(07,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F008 DD UNIT=T,DSN=F8,DISP=OLD,LABEL=(08,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F009 DD UNIT=T,DSN=F9,DISP=OLD,LABEL=(09,BLP,,IN),
// DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)

```

```

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00001840
00001850

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//GO.FT01F010 DD UNIT=T,DSN=F10,DISP=OLD,LABEL=(10,BLP,,IN),
DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F011 DD UNIT=T,DSN=F11,DISP=OLD,LABEL=(11,BLP,,IN),
DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F012 DD UNIT=T,DSN=F12,DISP=OLD,LABEL=(12,BLP,,IN),
DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F013 DD UNIT=T,DSN=F13,DISP=OLD,LABEL=(13,BLP,,IN),
DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT01F014 DD UNIT=T,DSN=F14,DISP=OLD,LABEL=(14,BLP,,IN),
DCB=(RECFM=VBS,BLKSIZE=4000),VOL=(,RETAIN,SER=03067)
//GO.FT07F001 DD DSN=#11911.CSSCPTS.DATA,DISP=OLD,
DCB=(RECFM=FB,LRECL=80,BLKSIZE=1600)

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APPENDIX B

ANALYSIS PROGRAM (CARGOSIC)

III. B. Analysis Program (CARGOSIC)

This program (as shown in Appendix B) compares actual digitized test points with the observed points as reported to the base station. The program produces statistics on the difference between these points. The input to this program is from a card image file on disk (inputted via TSO).



**** TSO FOREGROUND. HARDCOPY ****

DSNAME=#11911.MISC.FORT

(CARGOSIC)

```

      INTEGER AX(250),AY(250),OX(400),OY(400),P(400),
1     DX(400),DY(400),NMS(250)
      REAL DZ(400),D2X(400),D2Y(400),D2Z(400)
      TZ=0.0
      T2Z=0.0
      TDY=0.0
      TDX=0.0
      TD2X=0.0
      TD2Y=0.0
      TXY=0.0
      NOP=0
      PRINT 1000
1000  FORMAT(//////,T12,'OBSERVED',T31,'ACTUAL',
1     T80,'DELTA X',T95,'DELTA Y',T110,'DISTANCE')
      PRINT 1001
1001  FORMAT(T2,'POINT',T11,'X',T20,'Y',T29,'X',T38,'Y',
1     T44,'DELTA X',T53,'DELTA Y',T64,'DISTANCE',
2     T80,'SQUARED',T95,'SQUARED',T110,'SQUARED')
      PRINT 1002
1002  FORMAT(/)
      J=1
20   READ(1,21,END=30) I,IX,IY
21   FORMAT(A4,5X,2I10)
      NMS(J)=I
      AX(J)=IX
      AY(J)=IY
      J=J+1
      GO TO 20
30   CALL INPUT(I,IX,IY,&40)
      J=0
      DO 31 K=1,250
      IF(NMS(K).EQ.I) GO TO 3001
31   CONTINUE
      GO TO 30
3001  CONTINUE
      J=K
      IF(NOP.GE.400) GO TO 30
      NOP=NOP+1
      P(NOP)=I
      OX(NOP)=IX
      OY(NOP)=IY
      DX(NOP)=AX(J)-IX
      DY(NOP)=AY(J)-IY
      D2X(NOP)=DX(NOP)*DX(NOP)
      D2Y(NOP)=DY(NOP)*DY(NOP)
      TD2X=TD2X+D2X(NOP)
      TD2Y=TD2Y+D2Y(NOP)
      TDX=TDX+DX(NOP)
      TDY=TDY+DY(NOP)
      TXY=TXY+DX(NOP)*DY(NOP)
      D2Z(NOP)=D2X(NOP)+D2Y(NOP)
      DZ(NOP)=SQRT(D2Z(NOP))
      TZ=TZ+DZ(NOP)
      T2Z=T2Z+D2Z(NOP)
      PRINT 10,I,IX,IY,AX(J),AY(J),DX(NOP),DY(NOP),DZ(NOP),
1     D2X(NOP),D2Y(NOP),D2Z(NOP)

```

```

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00000100
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00000212
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00000450
00000460

```

10 FORMAT(1X,A4,2X,6(I7,2X),4(E13.6,2X))

GO TO 30

40 CONTINUE

ZBAR=TZ/NOP

S2Z=(TZ2-((TZ*TZ)/NOP))/(NOP-1)

SIGMAZ=SQRT(S2Z)

XBAR=TDX/NOP

S2X=(TD2X-((TDX*TDX)/NOP))/(NOP-1)

SIGMAX=SQRT(S2X)

YBAR=TDY/NOP

S2Y=(TD2Y-((TDY*TDY)/NOP))/(NOP-1)

SIGMAY=SQRT(S2Y)

R=0.0

F1=NOP*TX-Y-TDX*TDY

F2=NOP*TD2X-TDX*TDX

F3=NOP*TD2Y-TDY*TDY

F4=SQRT(F2*F3)

R=F1/F4

PRINT 1003

1003 FORMAT(////)

PRINT 1004

1004 FORMAT(' AVERAGE VARIANCE STD. DEV.')

PRINT 101,ZBAR,S2Z,SIGMAZ

101 FORMAT(' DISTANCE ',3(E13.6,2X))

PRINT 102,XBAR,S2X,SIGMAX

102 FORMAT(' DELTA X ',3(E13.6,2X))

PRINT 103,YBAR,S2Y,SIGMAY

103 FORMAT(' DELTA Y ',3(E13.6,2X))

PRINT 1005

1005 FORMAT(//)

PRINT 104,R

104 FORMAT(' R=',E13.6)

PRINT 1006

1006 FORMAT(//////////)

STOP

END

SUBROUTINE INPUT(I,IX,IY,X)

INTEGER CARD(70),P

READ(2,10,END=900) I,CARD

10 FORMAT(A4,70A1)

P=1

IX=INTX(CARD,P)*10+40000000

IY=INTX(CARD,P)*10+40000000

RETURN

900 CONTINUE

RETURN 1

END

FUNCTION DIGIT(CHAR)

INTEGER DIGIT,D(10),CHAR

DATA D/'0','1','2','3','4','5','6','7','8','9'/

DO 10 I=1,10

IF(CHAR.EQ.D(I)) GO TO 100

10 CONTINUE

DIGIT=-1

GO TO 900

100 DIGIT=I-1

900 CONTINUE

RETURN

END

SUBROUTINE SKD(CHARS,IPT)

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00000980

00000990

00001000

00001010

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00001050

00001060

00001070

```

100 INTEGER CHARS(80),DIGIT
IF(IPT.GT.80) GO TO 900
IF(DIGIT(CHARS(IPT)).GE.0) GO TO 900
IPT=IPT+1
GO TO 100
900 CONTINUE
RETURN
END
FUNCTION INTX(CHARS,IPT)
INTEGER CHARS(80),DIGIT
INTX=0
CALL SKD(CHARS,IPT)
100 IF(IPT.GT.80) GO TO 900
J=DIGIT(CHARS(IPT))
IF(J.LT.0) GO TO 900
INTX=INTX*10+J
IPT=IPT+1
GO TO 100
900 CONTINUE
RETURN
END
FUNCTION IOCT(CHARS,IPT)
INTEGER CHARS(80),DIGIT
IOCT=0
CALL SKD(CHARS,IPT)
100 IF(IPT.GT.80) GO TO 900
J=DIGIT(CHARS(IPT))
IF(J.LT.0) GO TO 900
IF(J.GT.7) GO TO 900
IOCT=IOCT*8+J
IPT=IPT+1
GO TO 100
900 CONTINUE
IOCT=IOCT*10+4000000
RETURN
END

```

```

00001080
00001090
00001100
00001110
00001120
00001130
00001140
00001150
00001160
00001170
00001180
00001190
00001200
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00001220
00001230
00001240
00001250
00001260
00001270
00001280
00001290
00001300
00001310
00001320
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00001370
00001380
00001390
00001400
00001410
00001420
00001430

```


APPENDIX C

ANALYSIS PROGRAM (CARGOSEC)

III. C. Analysis Program (CARGOSEC)

This program (as shown in Appendix C) compares actual digitized test points with the observed points as reported to the base station. The program produces statistics on the differences between these points. This program was a predecessor to the CARGOSIC program and its input was a FORTRAN binary file that was stored on a mass storage device. This program was replaced by CARGOSIC.



**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.FORT

(CARGOSEC)

```

      INTEGER AX(200),AY(200),OX(400),OY(400),P(400),
1     DX(400),DY(400)
      REAL DZ(400),D2X(400),D2Y(400),D2Z(400)
      TZ=0.0
      T2Z=0.0
      TDY=0.0
      TDX=0.0
      TD2X=0.0
      TD2Y=0.0
      TXY=0.0
      NOP=0
      PRINT 1000
1000  FORMAT(////////,T12,'OBSERVED',T31,'ACTUAL',
1     T80,'DELTA X',T95,'DELTA Y',T110,'DISTANCE')
      PRINT 1001
1001  FORMAT(T2,'POINT',T11,'X',T20,'Y',T29,'X',T38,'Y',
1     T44,'DELTA X',T53,'DELTA Y',T64,'DISTANCE',
2     T80,'SQUARED',T95,'SQUARED',T110,'SQUARED')
      PRINT 1002
1002  FORMAT(/)
20   READ(1,END=30) I,IX,IY
      AX(I)=IX
      AY(I)=IY
      TO=20
30   CALL INPUT(I,IX,IY,&40)
      IF((I.LT.0).OR.(I.GT.200)) GO TO 30
      IF(NOP.GE.400) GO TO 30
      NOP=NOP+1
      P(NOP)=I
      OX(NOP)=IX
      OY(NOP)=IY
      DX(NOP)=AX(I)-IX
      DY(NOP)=AY(I)-IY
      D2X(NOP)=DX(NOP)*DX(NOP)
      D2Y(NOP)=DY(NOP)*DY(NOP)
      TD2X=TD2X+D2X(NOP)
      TD2Y=TD2Y+D2Y(NOP)
      TDX=TDX+DX(NOP)
      TDY=TDY+DY(NOP)
      TXY=TXY+DX(NOP)*DY(NOP)
      D2Z(NOP)=D2X(NOP)+D2Y(NOP)
      DZ(NOP)=SQRT(D2Z(NOP))
      TZ=TZ+DZ(NOP)
      T2Z=T2Z+D2Z(NOP)
      PRINT 10,I,IX,IY,AX(I),AY(I),DX(NOP),DY(NOP),DZ(NOP),
1     D2X(NOP),D2Y(NOP),D2Z(NOP)
10   FORMAT(1X,I4,2X,6(17,2X),4(E13.6,2X))
      GO TO 30
40   CONTINUE
      ZBAR=TZ/NOP
      S2Z=(T2Z-((TZ*TZ)/NOP))/(NOP-1)
      SIGMAZ=SQRT(S2Z)
      XBAR=TDX/NOP
      S2X=(TD2X-((TDX*TDX)/NOP))/(NOP-1)
      SIGMAX=SQRT(S2X)
      YBAR=TDY/NOP

```

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00000100
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00000440
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00000460
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00000480
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```

```

S2Y=(TD2Y-((TDY*TDY)/NOP))/(NOP-1)
SIGMAY=SQRT(S2Y)
R=0.0
F1=NOP*TXY-TDX*TDY
F2=NOP*TD2X-TDX*TDX
F3=NOP*TD2Y-TDY*TDY
F4=SQRT(F2*F3)
R=F1/F4
PRINT 1003
1003 FORMAT(////)
PRINT 1004
1004 FORMAT('          AVERAGE          VARIANCE          STD. DEV. ')
PRINT 101,ZBAR,S2Z,SIGMAZ
101 FORMAT(' DISTANCE ',3(E13.6,2X))
PRINT 102,XBAR,S2X,SIGMAX
102 FORMAT(' DELTA X ',3(E13.6,2X))
PRINT 103,YBAR,S2Y,SIGMAY
103 FORMAT(' DELTA Y ',3(E13.6,2X))
PRINT 1005
1005 FORMAT(///)
PRINT 104,R
104 FORMAT(' R= ',E13.6)
PRINT 1006
1006 FORMAT(/////////)
STOP
END
SUBROUTINE INPUT(I,IX,IY,X)
INTEGER CARD(80),P
READ(2,10,END=900) CARD
10 FORMAT(80A1)
P=1
I=INTX(CARD,P)
IX=INTX(CARD,P)*10+4000000
IY=INTX(CARD,P)*10+4000000
RETURN
900 CONTINUE
RETURN 1
END
FUNCTION DIGIT(CHAR)
INTEGER DIGIT,D(10),CHAR
DATA D/'0','1','2','3','4','5','6','7','8','9'/
DO 10 I=1,10
IF(CHAR.EQ.D(I)) GO TO 100
10 CONTINUE
DIGIT=-1
GO TO 900
100 DIGIT=I-1
900 CONTINUE
RETURN
END
SUBROUTINE SKD(CHARS,IPT)
INTEGER CHARS(80),DIGIT
100 IF(IPT.GT.80) GO TO 900
IF(DIGIT(CHARS(IPT)).GE.0) GO TO 900
IPT=IPT+1
GO TO 100
900 CONTINUE
RETURN
END
FUNCTION INTX(CHARS,IPT)

```

```

00000570
00000580
00000590
00000600
00000610
00000620
00000630
00000640
00000650
00000660
00000670
00000680
00000690
00000700
00000710
00000720
00000730
00000740
00000750
00000760
00000770
00000780
00000790
00000800
00000810
00000820
00000830
00000840
00000850
00000860
00000870
00000880
00000890
00000900
00000910
00000920
00000930
00000940
00000950
00000960
00000970
00000980
00000990
00010000
00010100
00010200
00010300
00010400
00010500
00010600
00010700
00010800
00010900
00011000
00011100
00011200
00011300
00011400
00011500
00011600

```

```

      INTEGER CHARS(80), DIGIT
      INTX=0
      CALL SKD(CHARS, IPT)
100  IF(IPT.GT.80) GO TO 900
      J=DIGIT(CHARS(IPT))
      IF(J.LT.0) GO TO 900
      INTX=INTX*10+J
      IPT=IPT+1
      GO TO 100
900  CONTINUE
      RETURN
      END
      FUNCTION IOCT(CHARS, IPT)
      INTEGER CHARS(80), DIGIT
      IOCT=0
      CALL SKD(CHARS, IPT)
100  IF(IPT.GT.80) GO TO 900
      J=DIGIT(CHARS(IPT))
      IF(J.LT.0) GO TO 900
      IF(J.GT.7) GO TO 900
      IOCT=IOCT*8+J
      IPT=IPT+1
      GO TO 100
900  CONTINUE
      IOCT=IOCT*10+4000000
      RETURN
      END

```

```

00001170
00001180
00001190
00001200
00001210
00001220
00001230
00001240
00001250
00001260
00001270
00001280
00001290
00001300
00001310
00001320
00001330
00001340
00001350
00001360
00001370
00001380
00001390
00001400
00001410
00001420
00001430

```

APPENDIX D

UTILITY PROGRAM (CSSTRKS)

III. D. Utility Program (CSSTRKS)

This program (as shown in Appendix D) computes the minimum distance from an observed point to that of a known intersection (digitized signpost). This utility program was used for trouble shooting when the contractor had redundant signpost numbers.



**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.FORT

(CSSTRKS)

```

      INTEGER XT(210),YT(210),NMS(210,11),X,Y
      PRINT 1000
1000 FORMAT(////////)
      PRINT 1001
1001 FORMAT(T10,'OBSERVED',T47,'DISTANCE',T70,'NEAREST INTERSECTION')
C READ IN DATA BASE ON LU 1
      I=1
100 READ(1,110,END=120) XT(I),YT(I),(NMS(I,J),J=1,11)
110 FORMAT(10X,2I10,10A4,A2)
      I=I+1
      GO TO 100
120 CONTINUE
C LOOP ON TRACK .....
200 CONTINUE
      CALL INPUT(I,X,Y,&210)
      ZMIN=1.0E+10
      DO 220 I=1,200
      DX=XT(I)-X
      DY=YT(I)-Y
      Z=SQRT(DX*DX+DY*DY)
      IF(Z.GE.ZMIN) GO TO 220
      ZMIN=Z
      INDEX=I
220 CONTINUE
      PRINT 1002,X,Y,XT(INDEX),YT(INDEX),ZMIN,(NMS(INDEX,J),J=1,11)
1002 FORMAT(1X,2I10,3X,2I10,1X,E13.6,1X,10A4,A1)
      GO TO 200
210 CONTINUE
      PRINT 1000
      STOP
      END
      SUBROUTINE INPUT(I,IX,IY,X)
      INTEGER CARD(80),P
      READ(2,10,END=900) CARD
10 FORMAT(80A1)
      P=1
      I=INTX(CARD,P)
      IX=IOCT(CARD,P)
      IY=IOCT(CARD,P)
      RETURN
900 CONTINUE
      RETURN 1
      END
      FUNCTION DIGIT(CHAR)
      INTEGER DIGIT,D(10),CHAR
      DATA D/'0','1','2','3','4','5','6','7','8','9'/
      DO 10 I=1,10
      IF(CHAR.EQ.D(I)) GO TO 100
10 CONTINUE
      DIGIT=-1
      GO TO 900
      DIGIT=I-1
900 CONTINUE
      RETURN
      END

```

```

00000010
00000020
00000030
00000040
00000050
00000060
00000070
00000080
00000090
00000100
00000110
00000120
00000130
00000140
00000150
00000160
00000170
00000180
00000190
00000200
00000210
00000220
00000230
00000240
00000250
00000260
00000270
00000280
00000290
00000300
00000310
00000320
00000830
00000840
00000850
00000860
00000870
00000880
00000890
00000900
00000910
00000920
00000930
00000940
00000950
00000960
00000970
00000980
00000990
00001000
00001010
00001020
00001030
00001040
00001050
00001060

```



```

SUBROUTINE SKD(CHARS,IPT)
  INTEGER CHARS(80),DIGIT
100 IF(IPT.GT.80) GO TO 900
  IF(DIGIT(CHARS(IPT)).GE.0) GO TO 900
  IPT=IPT+1
  GO TO 100
900 CONTINUE
  RETURN
END
FUNCTION INTX(CHARS,IPT)
  INTEGER CHARS(80),DIGIT
  INTX=0
  CALL SKD(CHARS,IPT)
100 IF(IPT.GT.80) GO TO 900
  J=DIGIT(CHARS(IPT))
  IF(J.LT.0) GO TO 900
  INTX=INTX*10+J
  IPT=IPT+1
  GO TO 100
900 CONTINUE
  RETURN
END
FUNCTION IOCT(CHARS,IPT)
  INTEGER CHARS(80),DIGIT
  IOCT=0
  CALL SKD(CHARS,IPT)
100 IF(IPT.GT.80) GO TO 900
  J=DIGIT(CHARS(IPT))
  IF(J.LT.0) GO TO 900
  IF(J.GT.7) GO TO 900
  IOCT=IOCT*8+J
  IPT=IPT+1
  GO TO 100
900 CONTINUE
  IOCT=IOCT*10+4000000
  RETURN
END

```

```

00001070
00001080
00001090
00001100
00001110
00001120
00001130
00001140
00001150
00001160
00001170
00001180
00001190
00001200
00001210
00001220
00001230
00001240
00001250
00001260
00001270
00001280
00001290
00001300
00001310
00001320
00001330
00001340
00001350
00001360
00001370
00001380
00001390
00001400
00001410
00001420
00001430

```

APPENDIX E

UTILITY PROGRAM (CSSCPTF)

III. E. Utility Program (CSSCPTF)

This program (as shown in Appendix E) reads a FORTRAN (the calibration tape) file and computes the AM phase coordinates of locations in the Los Angeles area - Orange County area.

**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.FORT

(CSSCPTF.)

```
C      REAL*8 LA,LC,AX,AY,BX,BY,CX,CY,DA,X,Y,DB,DC,PHIX,PHIY
C      COMPUTE THE AM PHASE COORDINATES OF LOCATIONS IN THE
C      LA AREA
C      *****THIS PROGRAM DESIGNED TO READ THE FILE
C      CSSCPT3 (CHECK POINT DATA) COMPUTE THE AMP AND
C      REWRITE AS A CARD IMAGE FILE WITH AMP AND
C      *** FOR INSERTION OF MAP NUMBERS OR WHATNOT
C      RIC 27 JAN 1978
C      LA=19.878828
C      LC=48.02592
C      AX=4231520.0
C      AY=4141040.0
C      BX=4181980.0
C      BY=4061340.0
C      CX=4283940.0
C      CY=4068750.0
C      WRITE(6,10)
10    FORMAT(1H1,1X,'POINT',7X,'X-COORD',2X,'Y-COORD',4X,
1      'PHI(X)',4X,'PHI(Y)')
100   READ(1,30,END=200) NAME,IX,IY
30    FORMAT(1X,A3,5X,2I10)
      X=IX
      Y=IY
      DA=DSQRT((X-AX)**2+(Y-AY)**2)
      DB=DSQRT((X-BX)**2+(Y-BY)**2)
      DC=DSQRT((X-CX)**2+(Y-CY)**2)
      PHIX=(DB-DA)/LA
      PHIY=(DB-DC)/LC
      IPX=PHIX
      IPY=PHIY
      WRITE(2,20) NAME,IX,IY,IPX,IPY
      WRITE(6,20) NAME,IX,IY,IPX,IPY
20    FORMAT(1X,A3,5X,2I10,' *** ',2I10)
      GO TO 100
200   CONTINUE
      STOP
      END
```

```
00000010
00000020
00000030
00000040
00000050
00000060
00000070
00000080
00000090
00000100
00000110
00000120
00000130
00000140
00000150
00000160
00000170
00000180
00000190
00000200
00000210
00000220
00000230
00000240
00000250
00000260
00000270
00000280
00000290
00000300
00000310
00000320
00000330
00000340
00000350
00000360
00000370
```

APPENDIX F

UTILITY PROGRAM (AMP2)

III. F. Utility Program (AMP2)

This program (as shown in Appendix F) is a PL/1 version used to compute the AM phase coordinates in the Los Angeles-Orange County area. Input is read in a free form and can be input either as cards or as a card image file on disc.



**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.PLI

(AMP2)

00010000 /* BATCH VERSION OF THE AMP CALCULATION PROGRAM */

00020000 AMP2:PROCEDURE OPTIONS(MAIN);

00030000 DCL (LA INIT(19.878828),

00040000 LC INIT(48.02592),

00050000 AX INIT(4231520),

00060000 AY INIT(4141040),

00070000 BX INIT(4181980),

00080000 BY INIT(4061340),

00090000 CX INIT(4283940),

00100000 CY INIT(4068750)) BIN FLOAT(15);

00110000 DCL I BIN FIXED(15);

00120000 DCL (DA,DB,DC,PHIX,PHIY,X,Y) BIN FLOAT(15);

00130000 ON ENDFILE(SYSIN) GO TO XIT;

00140000 LOOP: GET LIST(I,X,Y);

00150000 X= X*10+4000000.0;

00160000 Y= Y*10+4000000.0;

00170000 DA=SQRT((X-AX)**2+(Y-AY)**2);

00180000 DB=SQRT((X-BX)**2+(Y-BY)**2);

00190000 DC=SQRT((X-CX)**2+(Y-CY)**2);

00200000 PHIX=(DB-DA)/LA;

00210000 PHIY=(DB-DC)/LC;

00220000 PUT SKIP EDIT (I,X,Y,PHIX,PHIY)

00230000 (X(3),F(5),F(10),F(10),X(2),F(6,0),X(1),F(6,0));

00240000 GET SKIP;

00250000 GO TO LOOP;

00260000 XIT: PUT SKIP(5) LIST(' END OF JOB');

00270000 END AMP2;

APPENDIX G

UTILITY PROGRAM (AMP)

III. G. Utility Program (AMP)

This program (as shown in Appendix G) is a PL/1 interactive program to be used to quickly compute the AM phase coordinates at a terminal. The program is used as a prompter where it prompts the user to input an X and Y location and responds with a Phase A and Phase B coordinates.

**** TSO FOREGROUND HARDCOPY ****
DSNAME=#11911.MISC.PLI

(AMP)

```
00010000 /* INTERACTIVE VERSION OF AMP CALCULATION */
00020000 AMP:PROCEDURE OPTIONS(MAIN);
00030000 DCL (LA INIT(19.878828),
00040000 LC INIT(48.02592),
00050000 AX INIT(4231520),
00060000 AY INIT(4141040),
00070000 BX INIT(4181980),
00080000 BY INIT(4061340),
00090000 CX INIT(4283940),
00100000 CY INIT(4068750)) BIN FLOAT(15);
00110000
00120000 DCL (DA,DB,DC,PHIX,PHIY,X,Y) BIN FLOAT(15);
00130000
00140000 ON ENDFILE(SYSIN) GO TO XIT;
00150000
00160000 LOOP: PUT SKIP LIST (' ENTER X AND Y VALUES ');
00170000 GET LIST(X,Y);
00180000
00190000 DA=SQRT((X-AX)**2+(Y-AY)**2);
00200000 DB=SQRT((X-BX)**2+(Y-BY)**2);
00210000 DC=SQRT((X-CX)**2+(Y-CY)**2);
00220000 PHIX=(DB-DA)/LA;
00230000 PHIY=(DB-DC)/LC;
00240000 PUT SKIP EDIT(' X AND Y PHASE ANGLES ARE...',PHIX,PHIY)
00250000 (A,F(9,3),X(1),F(9,3));
00260000 GO TO LOOP;
00270000
00280000 XIT: PUT SKIP(5) LIST(' END OF JOB');
00290000
00300000 END AMP;
```


CONTINUED

27 OF 29

APPENDIX H

SORTED SIGN POSTS

BY

SIGN POST PAGE NO.

IV. A. Sorted Sign Post File (SORTSP)

This data (as shown in Appendix H) are the sorted signposts ordered by the page number in the signpost book.

**** TSD FOREGROUND HARDCOPY ****
 DSNAME=#11911.SORTSP.DATA

35-071	4186960	411111	001	848.	-1001.	S.M.FWY & CRENSHAW
44-074	4188520	4126600	002	1147.	-0938.	VENICE & CRENSHAW
43-075	4194380	4131660	003	1665.	-0792.	OLYMPIC & WESTERN
10-120	4195040	4145460	004	2433.	-0672.	SANTA MONICA BLVD & HIND FWY
11-108	4201060	4145480	005	2791.	-0555.	SANTA MONICA BLVD & VIRGIL
11-096	4199620	4140280	006	2463.	-0618.	BEVERLY & VERMONT
06-104	4207020	4138660	007	2850.	-0472.	HLWD FWY & ALVARADO
11-114	4201820	4134900	008	2307.	-0609.	WILSHIRE & HOOVER
33-072	4206760	4129440	009	2270.	-0535.	OLYMPIC & HARBOR FWY.
10-108	4211280	4132980	010	2797.	-0407.	2ND ST & FIGUEROA
13-096	4216120	4137780	011	3419.	-0271.	PASADENA FWY & STADIUM WAY
05-096	4221480	4139660	012	3902.	-0141.	PASADENA AVE & G.S. FWY.
06-106	4229260	4140780	013	4535.	0041.	MISSION & SOTO
32-070	4233960	4143920	014	4718.	0152.	HUNTINGTON DR & EASTERN
44-058	4238680	4141110	015	4569.	0260.	ALHAMBRA & LOWELL
07-112	4233320	4136340	016	4318.	0134.	VALLEY BLVD. & EASTERN
33-073	4228280	4136000	017	4117.	0011.	VALLEY BLVD. & SOTO ST.
34-071	4222860	4131320	018	3422.	-0133.	STATE ST & G.S. FWY.
35-080	4215760	4130220	019	2897.	-0314.	1ST ST. & ALAMEDA ST
08-106	4215600	4125120	020	2494.	-0343.	7TH ST. & ALAMEDA ST
11-104	4210480	4123360	021	2051.	-0484.	S.M. FWY & SAN PEDRO ST
13-095	4199600	4126080	022	1601.	-0726.	S.M. FWY & VERMONT AVE
31-076	4194360	4126000	023	1295.	-0842.	S.M. FWY & WESTERN AVE
43-072	4194340	4119260	024	0811.	-0908.	EXPOSITION & WESTERN AVE
05-122	4186440	4120280	025	0476.	-1065.	RODEO RD & CRENSHAW BLVD
46-064	4186380	4116480	026	0197.	-1109.	SANTA BARBARA & CRENSHAW
43-063	4187700	4108360	027	-0367.	-1180.	SLAUSON & CRENSHAW
40-061	4187660	4103080	028	-0798.	-1251.	FLORENCE & CRENSHAW
08-102	4189000	4097760	029	-1186.	-1294.	MANCHESTER & CRENSHAW
09-096	4188980	4092540	030	-1636.	-1372.	CENTURY BLVD & CRENSHAW
18-091	4188980	4087300	031	-2095.	-1454.	IMPERIAL HWY & CRENSHAW
05-104	4181160	4087240	032	-2403.	-1634.	IMPERIAL HWY & HAWTHORNE
43-073	4166020	4087240	033	-2706.	-1831.	IMPERIAL HWY & SEPULVEDA
06-116	4161920	4084580	034	-2963.	-1922.	MARIPOSA & MAIN ST.(EL SEG.)
40-060	4168040	4081880	035	-3116.	-1911.	EL SEGUNDO & SEPULVEDA
18-079	4176020	4082080	036	-2987.	-1814.	EL SEGUNDO & S.D. FWY.
20-059	4183700	4081960	037	-2782.	-1674.	EL SEGUNDO & PRAIRIE
42-075	4188960	4081940	038	-2569.	-1543.	EL SEGUNDO & CRENSHAW
44-056	4194220	4082060	039	-2299.	-1387.	EL SEGUNDO & WESTERN
10-162	4196920	4087320	040	-1706.	-1228.	IMPERIAL HWY & NORMANDIE
09-122	4194280	4092540	041	-1388.	-1233.	CENTURY & WESTERN
20-079	4194400	4103000	042	-0486.	-1090.	FLORENCE & WESTERN
34-062	4194280	4108400	043	-0044.	-1028.	SLAUSON & WESTERN

18-088	42658	4141840	044	4120.	0853. VALLEY BLVD & ROSEMEAD BLVD
19-076	4263160	4137920	045	4014.	0819. HELLMAN ST & WALNUT GROVE AV
31-096	4263180	4135340	046	3908.	0835. GARVEY AV & WALNUT GROVE AV
44-063	4257900	4135200	047	3949.	0719. GARVEY
31-090	4250740	4135280	048	4069.	0554. GARVEY AV & GARFIELD AV
20-097	4243900	4134340	049	4107.	0593. GARVEY AV & FREMONT AV
08-122	4237380	4134500	050	4174.	0233. RAMONA BLVD & ON-RAMP L.B. FWY
23-080	4235780	4127720	051	3552.	0183. BROOKLYN AV & EASTERN AV
32-075	4229600	4127180	052	3383.	0030. BROOKLYN AV/LORENA/INDIANA
06-095	4222520	4124920	053	2864.	-0162. WHITTIER BLVD & SOTO ST
35-075	4229700	4121280	054	2855.	0023. WHITTIER BLVD & INDIANA ST
05-112	4235280	4121260	055	3021.	0179. WHITTIER BLVD. & EASTERN AV
10-119	4231840	4115820	056	2446.	0075. WASHINGTON BLVD. & OAK ST
06-112	4225800	4115660	057	2202.	-0102. BANDINI BLVD & DOWNEY AVE
09-121	4221160	4118780	058	2262.	-0223. WASHINGTON BLVD & SOTO ST
13-108	4215880	4100380	059	1095.	-0432. SLAUSON AV & ALAMEDA ST
35-061	4231760	4107600	060	1736.	0060. SLAUSON AV & ATLANTIC AV
22-073	4239000	4107120	061	1931.	0292. SLAUSON AV & EASTERN AV
29-058	4239900	4115760	062	2658.	0313. S.A.FWY & EASTERN AV(ATLANTIC)
48-064	4243540	4126240	063	3540.	0399. BROOKLYN AV & ATLANTIC BLVD
07-116	4247320	4120600	064	3137.	0514. BEVERLY BLVD & GARFIELD AV
42-060	4247660	4112600	065	2546.	0549. WASHINGTON BLVD & GARFIELD AV
11-111	4245100	4105920	066	1993.	0489. SLAUSON AV & GARFIELD AV
31-082	4253880	4102740	067	1942.	0782. SLAUSON AV & PARAMOUNT BLVD
28-062	4256220	4107860	068	2326.	0826. WASHINGTON BLVD & PARAMOUNT BLVD
40-079	4260060	4111360	069	2593.	0913. PARAMOUNT & DUNLAP CRSG RD
39-074	4255260	4116200	070	2876.	0751. WHITTIER BLVD & MONTEBELLO BLVD
13-104	4256200	4119960	071	3124.	0756. LINCOLN AV & MONTEBELLO BLVD
09-108	4263500	4116300	072	2911.	0949. BEVERLY BLVD & ROSEMEAD BLVD
44-079	4269440	4114240	073	2803.	1109. BEVERLY BLVD & S.G.R.FWY(605)
09-112	4262800	4100580	074	1946.	1075. SLAUSON AV & S.G.R.FWY(605)
32-067	4261060	4093680	075	1490.	1074. TELEGRAPH RD & ORR AND DAY RD
20-086	4266180	4088580	076	1306.	1285. FLORENCE AV & NORWALK BLVD
45-060	4252640	4093400	077	1281.	0786. FLORENCE AV & LAKEWOOD BLVD
06-096	4248680	4095400	078	1314.	0639. FLORENCE AV & PARAMOUNT BLVD
47-058	4242060	4099760	079	1444.	0399. FLORENCE AV & GARFIELD AV
26-073	4231040	4101580	080	1206.	0024. FLORENCE AV & ATLANTIC AV
42-062	4219780	4102980	081	0824.	-0343. FLORENCE AV & PACIFIC BLVD
09-106	4210320	4103160	082	0357.	-0640. FLORENCE AV & CENTRAL AV
20-076	4202880	4103040	083	-0047.	-0861. FLORENCE AV & HARBOR FWY
20-083	4181600	4103060	084	-1056.	-1378. CENTINELA AV & HYDE PARK BLVD
31-073	4179420	4108180	085	-0738.	-1349. SLAUSON AV & LA BREA BLVD
08-104	4175860	4104000	086	-1195.	-1469. CENTINELA AV & LA CIENEGA BLVD
43-060	4169060	4105020	087	-1335.	-1559. CENTINELA AV & S.D.FWY(405)
10-111	4157020	4090740	088	-2531.	-1879. WORLDWAY WEST & PERSHING DR
13-111	4160980	4097720	089	-2051.	-1755. MANCHESTER BLVD & LINCOLN BLVD
32-060	4167940	4094860	090	-2124.	-1719. LINCOLN BLVD & SEPULVEDA BLVD

35-060	4176020	4098420	091	-1630.	-1548.	MANCHESTER BLVD & S.D.FWY(405)
22-080	4180880	4098360	092	-1468.	-1461.	MANCHESTER BLVD & LA BREA BLVD
06-108	4176480	4092420	093	-2106.	-1633.	CENTURY BLVD & S.D.FWY(405)
9-	4183900	4092460	094	-1857.	-1493.	CENTURY BLVD & PRAIRIE AV.
35-058	4204920	4097760	095	-0390.	-0856.	MANCHESTER BLVD & MAIN ST
36-058	4212940	4097840	096	0042.	-0601.	FIRESTONE BLVD & COMPTON AV
42-056	4225580	4095700	097	0492.	-0182.	FIRESTONE BLVD & CALIFORNIA AV
- 16	4 324	409 9	9	734	11	BLVD & ATLANTIC AV
32-058	4237940	4093840	099	0859.	0256.	FIRESTONE BLVD & GARFIELD AV
45-062	4246200	4091540	100	0972.	0559.	FIRESTONE BLVD & PARAMOUNT BLVD
42-058	4254280	4086760	101	0894.	0873.	FIRESTONE & STEWART AND GRAY RD
38-063	4263440	4082200	102	0862.	1240.	IMPERIAL HWY & PIONEER BLVD
20-096	4268720	4082280	103	0990.	1433.	IMPERIAL HWY & BLOOMFIELD AV
10-095	4271480	4087660	104	1338.	1470.	LAKELAND RD & SHOEMAKER(MEYER)
38-065	4276680	4083720	105	1224.	1679.	LEFFINGWELL RD & MEYERS RD
38-054	4284500	4081280	106	1236.	1913.	TACURA DR & LA MIRADA BLVD
36-056	4284740	4075480	107	0970.	2018.	ROSECRANS AV & LA MIRADA BLVD
47-054	4292080	4074740	108	1062.	2098.	ROSECRANS AV & BEACH BLVD
20-085	4288200	4068600	109	0728.	2128.	ARTESIA BLVD & KINGMAN AV
44-054	4288800	4063800	110	0537.	2080.	S.A.FWY(5) & BEACH BLVD
35-056	4284640	4061180	111	0343.	1983.	ORANGETHORPE & KNOTT AV
35-054	4279680	4061120	112	0220.	1852.	ORANGETHORPE & VALLEY VIEW
40-054	4274220	4066280	113	0315.	1714.	ARTESIA BLVD & CARMENITA AV
34-073	4279580	4066420	114	0451.	1932.	ARTESIA BLVD & VALLEY VIEW
32-056	4284480	4071840	115	0799.	2080.	ALONDRA BLVD & STAGE RD.
35-063	4277140	4071760	116	0642.	1838.	ALONDRA BLVD & S.A.FWY(5)
28-070	4271320	4071660	117	0500.	1602.	ALONDRA BLVD & SHOEMAKER AV
32-064	4263220	4071520	118	0275.	1269.	ALONDRA BLVD & PIONEER BLVD
32-071	4256700	4071640	119	0080.	1000.	ALONDRA BLVD & S.G.R.FWY(605)
11-102	4256520	4076880	120	0366.	0989.	ROSECRANS BLVD & S.G.R.FWY(605)
21-085	4263180	4076940	121	0563.	1256.	ROSECRANS & PIONEER BLVD
05-117	4269300	4076960	122	0720.	1497.	ROSECRANS & S.A.FWY(5)
32-079	4276680	4077040	123	0688.	1769.	ROSECRANS & MARQUARDT AV
31-092	4254740	4093200	124	1651.	0834.	TELEGRAPH RD & ROSEHEAD BLVD
28-066	4262760	4108320	125	2425.	1011.	MINES AVE & PASSONS BLVD
29-058	4272200	4119000	126	3058.	1154.	ROSE HILLS RD NEAR S.G.R.FWY(605)
41-074	4276280	4125880	127	3371.	1179.	POMONA FWY & DURFEE-PECK RD
26-088	4278800	4129600	128	3512.	1195.	DURFEE AVE & PECK RD.
31-072	4284020	4134160	129	3642.	1248.	VALLEY BLVD. & DURFEE RD.
13-119	4275220	4135280	130	3768.	1080.	GARVEY AVE & SANTA ANITA AV
31-104	4268260	4135350	131	3848.	0942.	GARVEY AVE & ROSEHEAD BLVD
08-117	4268440	4131320	132	3674.	0973.	RUSH ST & ROSEHEAD BLVD
09-095	4267340	4122940	133	3276.	1011.	SAN GABRIEL BLVD & ROSEHEAD BLVD
10-104	4263740	4126440	134	3477.	0903.	POMONA FWY & SAN GABRIEL BLVD
32-062	4252260	4125320	135	3471.	0628.	MARKLAND DR & POTRERO GRANDE DR
44-064	4258240	4130000	136	3707.	0753.	HILL DR & POTRERO GRANDE DR
26-104	4275260	4129740	137	3546.	1125.	TYLER AV & SANTA ANITA AV

18-095	42703	4139100	138	3965.	0958. S.B.FWY(10) & TEMPLE CITY BLVD
08-119	4252800	4082200	139	0566.	0830. IMPERIAL HWY & WOODRUFF AV
32-072	4250280	4076740	140	0152.	0737. ROSECRANS AV & BELLFLOWER BLVD
34-058	4250280	4072260	141	-0106.	0735. ALONDRA BLVD & BELLFLOWER BLVD
13-112	4250280	4066940	142	-0397.	0725. ARTESIA BLVD & BELLFLOWER BLVD
32-066	4250260	4061580	143	-0672.	0704. SOUTH ST & BELLFLOWER BLVD.
21-080	4250300	4036860	144	-0894.	0682. DEL AMO BLVD. & BELLFLOWER BLVD.
34-066	4250440	4051540	145	-1122.	0655. CARSON ST & BELLFLOWER BLVD
28-080	4250280	4046480	146	-1333.	0615. WARDLOW RD & BELLFLOWER BLVD
08-120	4250360	4040900	147	-1535.	0577. WILLOW ST & BELLFLOWER BLVD
26-071	4250560	4035520	148	-1707.	0545. ATHERTON ST & BELLFLOWER BLVD
24-070	4251500	4030700	149	-1819.	0540. 7TH ST & BELLFLOWER BLVD
47-065	4254660	4024440	150	-1879.	0591. PACIFIC COAST HWY & WESTMINISTER
26-070	4257080	4029620	151	-1649.	0709. 7TH ST & STUDEBAKER RD
26-100	4258140	4036060	152	-1411.	0803. S.D.FWY(405)OFFRAMP & STUDEBAKER
31-085	4259300	4043540	153	-1144.	0883. SPRING ST & STUDEBAKER RD
31-079	4255580	4047260	154	-1100.	0819. LOS COYOTES DIAG & PALO VERDE AV
45-054	4255580	4051520	155	-0927.	0855. CARSON ST & PALO VERDE AV
22-089	4255580	4056860	156	-0694.	0895. DEL AMO BLVD & PALO VERDE AV
10-116	4255460	4060840	157	-0513.	0914. SOUTH ST & PALO VERDE AV
22-086	4255400	4066280	158	-0246.	0935. ARTESIA BLVD & PALO VERDE AV
20-080	4242260	4077340	159	-0112.	0412. ROSECRANS BLVD & DOWNEY AV
05-111	4246440	4082160	160	0352.	0581. IMPERIAL HWY & LAKEWOOD BLVD
22-088	4244880	4072200	161	-0316.	0512. ALONDRA BLVD & LAKEWOOD BLVD
18-085	4245080	4061560	162	-0881.	0491. SOUTH ST & LAKEWOOD BLVD
35-062	4245040	4051420	163	-1348.	0442. CARSON ST & LAKEWOOD BLVD
10-106	4244880	4040780	164	-1759.	0377. WILLOW ST & LAKEWOOD BLVD
20-082	4242240	4041180	165	-1855.	0282. WILLOW ST & REDONDO AV
41-073	4242040	4030780	166	-2181.	0225. 7TH ST & REDONDO AV
31-088	4248720	4024500	167	-2091.	0409. 2ND ST & BAY SHORE DR
42-064	4237060	4026700	168	-2485.	0043. OCEAN BLVD & CHERRY AV
26-080	4237400	4035900	169	-2229.	0083. P.C.H. & CHERRY AVE
23-082	4237440	4046540	170	-1875.	0122. WARDLOW RD & CHERRY AV
35-070	4239640	4056760	171	-1349.	0248. DEL AMO BLVD & PARAMOUNT BLVD
19-096	4239740	4066760	172	-0841.	0286. ARTESIA BLVD & PARAMOUNT BLVD
40-056	4234240	4077440	173	-0451.	0088. ROSECRANS AV & ORANGE AV
08-112	4232680	4072040	174	-0864.	0009. ALONDRA BLVD & HUNSAKER RD
06-122	4231780	4066720	175	-1218.	-0043. ARTESIA BLVD & ATLANTIC AV
26-092	4232060	4061360	176	-1489.	-0048. SOUTH ST & ATLANTIC AV
43-064	4229440	4056580	177	-1850.	-0169. DEL AMO BLVD & LONG BEACH BLVD
23-088	4232020	4051100	178	-1955.	-0078. CARSON ST & ATLANTIC AV
29-062	4232100	4041280	179	-2302.	-0097. WILLOW ST & ATLANTIC AV
22-085	4229500	4035680	180	-2579.	-0201. P.C.H. & PACIFIC AVE
28-056	4222900	4035860	181	-2893.	-0440. P.C.H. & SANTA FE AVE
22-072	4232160	4030700	182	-2593.	-0113. 7TH ST & ATLANTIC AVE
26-085	4228120	4027680	183	-2832.	-0253. OCEAN BLVD & MAGNOLIA AVE
23-086	4215720	4024520	184	-3402.	-0653. OCEAN BLVD & T.I.FWY(47)

23-076	4209	4021880	185	-3680.	-0833.	SEASIDE AVE. & MORMON ST
22-071	4205460	4017400	186	-3850.	-0915.	SEASIDE AVE & DOCK ST
26-076	4199400	4016460	187	-4050.	-1067.	9TH ST(S.P.) & GAFFEY ST.
23-079	4199300	4011140	189	-4061.	-1024.	25TH ST(S.P.) & GAFFEY ST.
20-091	4193100	4011660	189	-4228.	-1173.	25TH ST(S.P.) & WESTERN AV
32-080	4194140	4019120	190	-4204.	-1221.	1ST ST(S.P.) & WESTERN AV
18-073	4199340	4022840	191	-4037.	-1124.	CHANNEL ST & GAFFEY ST.
26-082	4203480	4028780	192	-3857.	-1058.	B ST & FIGUEROA ST
22-079	4213740	4032600	193	-3373.	-0752.	ANAHEIM ST & ALAMEDA ST
26-095	4208520	4032280	194	-3612.	-0924.	ANAHEIM ST & AVALON BLVD
26-086	4204660	4036160	195	-3741.	-1079.	P.C.H. & WILMINGTON BLVD
26-090	4197820	4032940	196	-4060.	-1264.	ANAHEIM & NORMANDE/P.V. DR N/GAF
38-058	4194700	4035840	197	-4173.	-1387.	P.C.H. & WESTERN AV
45-063	4187000	4036780	198	-4441.	-1603.	P.C.H. & CRENSHAW BLVD
42-074	4181660	4041280	199	-4601.	-1787.	P.C.H. & HANTHORNE BLVD.
20-070	4175960	4044440	200	-4703.	-1931.	P.C.H. & CALIF MAYOR
05-102	4171520	4046560	201	-4719.	-2008.	P.C.H. & AVE I
32-054	4171100	4053620	202	-4674.	-2092.	TORRANCE BLVD & P.C.H.
40-065	4173260	4059620	203	-4589.	-2127.	BERYL ST & FLAGLER LN.
45-056	4172220	4066060	204	-4263.	-2101.	ARTESIA BLVD & AVIATION BLVD
43-058	4167840	4071380	205	-3875.	-2056.	MANHATTAN BEACH BLVD & P.C.H.
47-060	4177020	4074000	206	-3662.	-1945.	COMPTON BLVD & S.D.FHWY(405)
47-063	4183760	4074040	207	-3493.	-1821.	COMPTON BLVD & PRAIRIE AVE
38-060	4181200	4070540	208	-3892.	-1947.	ONRAMP S.D.FHWY N(405) & HANTHORNE
49-063	4181100	4065940	209	-4314.	-2044.	ARTESIA BLVD & HANTHORNE BLVD
40-074	4180760	4060660	210	-4712.	-2125.	190TH ST & HANTHORNE BLVD
32-061	4180780	4053160	211	-4689.	-2000.	TORRANCE BLVD & HANTHORNE BLVD
34-070	4181460	4048780	212	-4647.	-1912.	SEPULVEDA BLVD & HANTHORNE BLVD
40-062	4188380	4047460	213	-4414.	-1720.	SEPULVEDA BLVD & CRENSHAW BLVD
09-120	4188640	4041740	214	-4399.	-1631.	LOMITA BLVD & CRENSHAW BLVD
28-068	4188460	4052820	215	-4399.	-1792.	TORRANCE BLVD & CRENSHAW BLVD
42-063	4189000	4062850	216	-4115.	-1831.	S.D.FHWY(405) & CRENSHAW BLVD
46-063	4194180	4071800	217	-3148.	-1535.	REDONDO BEACH BLVD & WESTERN AV
40-064	4204840	4076760	218	-2113.	-1081.	ROSECRANS AVE & MAIN ST
40-063	4211180	4077080	219	-1707.	-0834.	ROSECRANS AVE & CENTRAL AVE
35-064	4221000	4077180	220	-1137.	-0445.	ROSECRANS AVE & ALAMEDA ST
13-116	4231300	4083600	221	-0167.	-0012.	CENTURY BLVD & ATLANTIC AVE
34-064	4237160	4086820	222	0315.	0221.	IMPERIAL HWY & GARFIELD AVE
18-086	4224980	4089200	225	-0051.	-0232.	CENTURY BLVD & CALIFORNIA ST
18-070	4219780	4086520	226	-0520.	-0440.	IMPERIAL HWY & ALAMEDA ST
18-075	4215580	4081920	227	-1098.	-0629.	EL SEGUNDO BLVD & WILMINGTON AV
05-119	4215600	4091700	228	-0329.	-0557.	103RD ST & WILMINGTON AVE
22-082	4204920	4087160	229	-1285.	-0970.	IMPERIAL HWY & MAIN ST
47-064	4204320	4070780	230	-2570.	-1153.	ALONDRA BLVD & MAIN ST
35-072	4216160	4071780	231	-1770.	-0668.	ALONDRA BLVD & WILMINGTON AVE
39-072	4225220	4071940	232	-1250.	-0297.	ALONDRA BLVD & LONG BEACH BLVD
35-065	4222420	4066600	233	-1721.	-0432.	ARTESIA FWY(91) & ALAMEDA ST

10-099	4212100	4064040	234	-2434.	-0843.	VICTORIA ST & CENTRAL AVE
31-100	4207420	4064020	235	-2772.	-1063.	VICTORIA ST & AVALON BLVD
34-061	4199820	4066100	236	-3164.	-1367.	ARTESIA BLVD & VERMONT AVE
34-063	4194340	4060760	237	-3828.	-1615.	190TH ST & WESTERN AVE
32-073	4207840	4056940	238	-3075.	-1057.	DEL AMO BLVD & AVALON BLVD
28-073	4224020	4056460	239	-2142.	-0392.	DEL AMO BLVD & SANTA FE AV
36-061	4222740	4048480	240	-2527.	-0452.	WARDLOW RD & SANTA FE AVE
38-062	4215620	4051020	241	-2828.	-0737.	CARSON ST & WILMINGTON AV
36-060	4208100	4051120	242	-3263.	-1037.	CARSON ST & AVALON AV
36-062	4200100	4051100	243	-3745.	-1350.	CARSON ST & VERMONT AV
42-073	4194320	4051100	244	-4089.	-1568.	CARSON ST & WESTERN AV
42-072	4197620	4046500	245	-3967.	-1407.	228TH ST & NORMANDE AV
29-063	4204540	4046540	246	-3586.	-1154.	228TH ST & MAIN ST
43-056	4210660	4042680	247	-3336.	-0907.	SEPULVEDA BLVD & WILMINGTON AV
26-072	4217080	4042520	248	-3005.	-0666.	SEPULVEDA BLVD & ALAMEDA ST
45-058	4194800	4041660	249	-4149.	-1448.	242ND PL & WESTERN AVE
44-075	4205020	4108320	250	0514.	-0748.	SLAUSON AVE & MAIN ST
11-106	4210160	4113980	251	1269.	-0558.	VERNON AVE & CENTRAL AVE
13-102	4199620	4113920	252	0683.	-0836.	VERNON AVE & VERMONT AVE
13-106	4203100	4120440	253	1391.	-0691.	JEFFERSON BLVD & FIGUEROA ST
29-068	4212860	4056600	254	-2778.	-0850.	DEL AMO BLVD & CENTRAL AVE
08-117	4215320	4119780	255	2039.	-0379.	WASHINGTON BLVD & ALAMEDA ST
32-063	4266400	4097000	256	1783.	1215.	NORWALK BLVD & LOS NIETOS
39-075	4265950	4091430	257	1449.	1254.	NORWALK BLVD & TELEGRAPH

4266050 4094100 TC 1607 1232 TRANSCON

4280800 4071800 GE 723 1977 GI

APPENDIX I

SORTED SIGN POSTS

BY

TRANSMITTED SERIAL NUMBERS

IV. B. Sorted Sign Post File (SORTSP2)

This data (as shown in Appendix I) are the sorted signposts ordered by the serial number that is transmitted from the signpost itself.

**** TSO FOREGROUND HARDCOPY ****
 OSNAME=#11911, SORTSP2.DAT

05-096	4221480	4139660	012	3902.	-0141.	PASADENA AVE & G.S. FWY.
05-102	4171520	4046560	201	-4719.	-2008.	P.C.H. & AVE I
05-104	4181160	4087240	032	-2403.	-1634.	IMPERIAL HWY & HANTHORNE
05-111	4246440	4082160	160	0352.	0581.	IMPERIAL HWY & LAKEWOOD BLVD
05-112	4235260	4121260	055	3021.	0179.	WHITTIER BLVD. & EASTERN AV
05-117	4269300	4076960	122	0720.	1497.	ROSECRANS & S.A.FWY(5)
05-119	4215600	4091700	228	-0329.	-0557.	103RD ST & WILMINGTON AVE
05-122	4186440	4120280	025	0476.	-1062.	ROD RD & CRENSHAW BLVD
06-095	4222520	4124920	053	2864.	-0162.	WHITTIER BLVD & SOTO ST
06-096	4248680	4095400	078	1314.	0639.	FLORENCE AV & PARAMOUNT BLVD
06-104	4207020	4138660	007	2850.	-0472.	HLWD FWY & ALVARADO
06-106	4229260	4140780	013	4535.	0041.	MISSION & SOTO
06-108	4176480	4092420	093	-2106.	-1633.	CENTURY BLVD & S.D.FWY(405)
06-112	4225800	4115660	057	2202.	-0102.	BANDINI BLVD & DOWNEY AVE
06-116	4161920	4084560	034	-2963.	-1922.	MARIPOSA & MAIN ST.(EL SEG.)
06-117	4215320	4119780	255	2039.	-0379.	WASHINGTON BLVD & ALAMEDA ST
06-122	4231780	4066720	175	-1218.	-0043.	ARTESIA BLVD & ATLANTIC AV
07-112	4233320	4136340	016	4318.	0134.	VALLEY BLVD., & EASTERN
07-116	4247320	4120600	064	3137.	0514.	BEVERLY BLVD & GARFIELD AV
08-102	4109000	4097760	029	-1186.	-1294.	MANCHESTER & CRENSHAW
08-104	4175860	4104000	086	-1195.	-1469.	CENTINELA AV & LA CIENEGA BLVD
08-106	4215600	4125120	020	2494.	-0343.	7TH ST. & ALAMEDA ST
08-112	4232680	4072040	174	-0864.	0009.	ALONDRA BLVD & HUNSAKER RD
08-117	4268440	4131320	132	3674.	0973.	RUSH ST & ROSEMEAD BLVD
08-119	4252800	4082200	139	0566.	0830.	IMPERIAL HWY & WOODRUFF AV
08-120	4250360	4040900	147	-1535.	0577.	WILLOW ST & BELLFLOWER BLVD
08-122	4237380	4134500	050	4174.	0233.	RANCHO BLVD & ON-RAMP L.B. FWY
09-095	4267340	4122940	133	3276.	1011.	SAN GABRIEL BLVD & ROSEMEAD BLVD
09-096	4188980	4092540	030	-1636.	-1372.	CENTURY BLVD & CRENSHAW
09-106	4210320	4103160	082	0357.	-0640.	FLORENCE AV & CENTRAL AV
09-108	4263500	4116300	072	2911.	0969.	BEVERLY BLVD & ROSEMEAD BLVD
09-111	4183800	4092460	094	-1857.	-1493.	CENTURY BLVD & FRAIRIE AV.
09-112	4262800	4100500	074	1946.	1075.	SLAUSON AV & S.G.R.FWY(605)
09-120	4188640	4041740	214	-4399.	-1631.	LOMITA BLVD & CRENSHAW BLVD
09-121	4221160	4118780	058	2262.	-0223.	WASHINGTON BLVD & SOTO ST
09-122	4194280	4092540	041	-1388.	-1233.	CENTURY & WESTERN
10-095	4271480	4087660	104	1338.	1470.	LAKELAND RD & SHOEMAKER(MEYER)
10-099	4212720	4064040	234	-2434.	-0843.	VICTORIA ST & CENTRAL AVE
10-102	4196920	4087320	040	-1706.	-1228.	IMPERIAL HWY & NORMANDIE
10-104	4263740	4126440	134	3477.	0903.	POMONA FWY & SAN GABRIEL BLVD
10-106	4244830	4040780	164	-1759.	0377.	WILLOW ST & LAKEWOOD BLVD
10-108	4211280	4132980	010	2797.	-0407.	2ND ST & FIGUEROA
10-111	4157020	4090740	088	-2581.	-1879.	WORLDWAY WEST & PERSHING DR

10-116	42550	4060840 157	-0513.	0914.	SOUTH ST & PALO VERDE AV
10-119	4255040	4115820 056	2446.	0075.	WASHINGTON BLVD. & OAK ST
10-120	4195040	4145460 004	2433.	-0672.	SANTA MONICA BLVD & HLWD FWY
11-096	4195620	4140280 006	2443.	-0618.	BEVERLY & VERMONT
11-102	4255520	4076880 120	0366.	0989.	ROSECRANS BLVD & S.G.R.FWY(605)
11-104	4210480	4123360 021	2051.	-0484.	S.M. FWY & SAN PEDRO ST
11-106	4210160	4113980 251	1269.	-0558.	VERNON AVE & CENTRAL AVE
11-108	4201060	4145480 005	2791.	-0555.	SANTA MONICA BLVD & VIRGIL
11-111	4245100	4105920 066	1793.	0489.	SLAUSON AV & GARFIELD AV
11-114	4201820	4134900 008	2307.	-0609.	WILSHIRE & HOOVER
11-116	4232620	4094900 098	0734.	0065.	FIRESTONE BLVD & ATLANTIC AV
13-095	4199600	4126080 022	1601.	-0726.	S.M. FWY & VERMONT AVE
13-096	4216120	4137780 011	3419.	-0271.	PASADENA FWY & STADIUM WAY
13-102	4199620	4113920 252	0683.	-0836.	VERNON AVE & VERMONT AVE
13-104	4256200	4119960 071	3124.	0756.	LINCOLN AV & MONTEBELLO BLVD
13-106	4203100	4120440 253	1391.	-0691.	JEFFERSON BLVD & FIGUEROA ST
13-108	4215880	4108380 059	1095.	-0432.	SLAUSON AV & ALAMEDA ST
13-111	4160980	4097720 089	-2051.	-1755.	MANCHESTER BLVD & LINCOLN BLVD
13-112	4250280	4066940 142	-0397.	0725.	ARTESIA BLVD & BELLFLOWER BLVD
13-116	4231300	4083600 221	-0167.	-0012.	CENTUR V APT
13-119	4275220	4135280 130	3768.	1080.	GARVEY AVE & SANTA ANITA AV
18-070	4219780	4086520 226	-0520.	-0440.	IMPERIAL HWY & ALAMEDA ST
18-073	4199340	4022840 191	-4037.	-1124.	CHANNEL ST & GAFFEY ST
18-075	4215580	4081920 227	-1098.	-0629.	EL SEGUNDO BLVD
18-079	4176020	4082080 036	-2987.	-1814.	EL SEGUNDO & S.D. FWY.
18-085	4245080	4061560 162	-0881.	0491.	SOUTH ST & LAKEWOOD BLVD
18-086	4224980	4089200 225	-0051.	-0232.	CENTURY BLVD & CALIFORNIA ST
18-088	4265880	4141840 044	4120.	0853.	VALLEY BLVD & ROSEHEAD B VD
18-091	4188980	4087300 031	-2095.	-1454.	IMPERIAL HWY & CRENSHAW
18-095	4270340	4139100 138	3965.	0958.	S.B.FWY(10) & TEMPLE CITY BLVD
18-096	4239740	4066760 172	-0841.	0286.	ARTESIA BLVD & PARAMOUNT BLVD
19-076	4263160	4137920 045	4014.	0819.	HELLMAN ST & WALNUT GROVE AV
20-070	4175960	4044440 200	-4703.	-1931.	P.C.H. & CALLE MAYOR
20-076	4202880	4103040 083	-0047.	-0861.	FLORENCE AV & HARBOR FWY
20-079	4194400	4103000 042	-0486.	-1090.	FLORENCE & WESTERN
20-080	4242260	4077340 159	-0112.	0412.	ROSECRANS BLVD & DOWNEY AV
20-082	4242240	4041180 165	-1855.	0282.	WILLOW ST & REDONDO AV
20-085	4288200	4068600 109	0728.	2128.	ARTESIA BLVD & KINGMAN AV
20-086	4266180	4088880 076	1306.	1285.	FLORENCE AV & NORWALK BLVD
20-088	4181600	4103060 084	-1056.	-1378.	CENTINELA & HYDE PARK BLVD
20-089	4183700	4081960 037	-2782.	-1674.	EL SEGUNDO & PRAIRIE
20-091	4193100	4011660 189	-4228.	-1173.	25TH ST(S.P.) & WESTERN AV
20-096	4268720	4082280 103	0990.	1433.	IMPERIAL HWY & BLOOMFIELD AV
20-097	4243900	4134340 049	4107.	0393.	GARVEY AV & FREMONT AV
21-080	4250300	4056860 144	-0894.	0682.	DEL AMO BLVD. & BELLFLOWER BLVD.
21-085	4263180	4076940 121	0563.	1256.	ROSECRANS & PIONEER BLVD
22-071	4205460	4017400 166	-3650.	-0915.	SEASIDE AVE & DOCK ST

22-072	42321	4030700 182 -2593.	-0113. 7TH ST & ATLANTIC AVE
22-073	4239000	4107120 061 1931.	0292. SLAUSON AV & EASTERN AV
22-079	4213740	4032600 193 -3373.	-0752. ANAHEIM ST & ALAMEDA ST
22-080	4180880	4089360 092 -1468.	-1461. MANCHESTER BLVD & LA BREA BLVD
22-082	4204920	4087160 229 -1285.	-0970. IMPERIAL HWY & MAIN ST
22-085	4229500	4035880 180 -2579.	-0201. P.C.H. & PACIFIC AVE
22-086	4255400	4066280 158 -0246.	0935. ARTESIA BLVD & PALO VERDE AV
22-088	4244880	4072200 161 -0316.	0512. ALONDRA BLVD & LAKEWOOD BLVD
22-089	4255580	4056860 156 -0694.	0895. DEL AMO BLVD & PALO VERDE AV
23-076	4209380	4021880 185 -3680.	-0833. SEASIDE AVE. & NORMON ST
23-079	4199300	4011140 188 -4061.	-1026. 25TH ST(S.P.) & GAFFEY ST.
23-080	4235380	4127320 051 3552.	0183. BROOKLYN AV & EASTERN AV
23-082	4237440	4046540 170 -1875.	0122. WARDLOW RD & CHERRY AV
23-086	4215720	4024520 134 -3402.	-0653. OCEAN BLVD & T.I.FWY(47)
23-088	4232020	4051100 178 -1955.	-0078. CARSON ST & ATLANTIC AV
24-070	4251500	4030700 149 -1819.	0540. 7TH ST & BELLFLOWER BLVD
26-070	4257080	4029620 151 -1649.	0709. 7TH ST & STUDEBAKER RD
26-071	4250560	4035520 148 -1707.	0545. ATHERTON ST & BELLFLOWER BLVD
26-072	4217080	4042520 248 -3005.	-0666. SEPULVEDA BLVD & ALAMEDA ST
26-073	4231040	4101580 080 1206.	0024. FLORENCE AV & ATLANTIC AV
26-076	4199400	4016460 187 -4050.	-1067. 9TH ST(S.P.) & GAFFEY ST.
26-080	4237400	4035900 169 -2229.	0083. P.C.H. & CHERRY AVE
26-082	4203480	4028780 192 -3857.	-1058. B ST & FIGUEROA ST
26-085	4228120	4027680 183 -2832.	-0253. OCEAN BLVD & MAGNOLIA AVE
26-086	4204660	4036160 195 -3741.	-1079. P.C.H. & WILMINGTON BLVD
26-088	4278800	4129600 128 3512.	1195. DURFEE AVE & PECK RD.
26-090	4197820	4032940 196 -4060.	-1264. ANAHEIM & NORMANDIE/P.V.DR N/GAF
26-092	4232060	4061360 176 -1489.	-0048. SOUTH ST & ATLANTIC AV
26-095	4208520	4032280 194 -3612.	-0924. ANAHEIM ST & AVALON BLVD
26-100	4258140	4036060 152 -1411.	0803. S.D.FWY(405)OFFRAMP & STUDEBAKER
26-104	4275260	4129740 137 3546.	1125. TYLER AV & SANTA ANITA AV
28-056	4222900	4035860 181 -2883.	-0440. P.C.H. & SANTA FE AVE
28-062	4255220	4107860 088 2326.	0826. WASHINGTON BLVD & PARAMOUNT BLVD
28-066	4262760	4108320 125 2425.	1011. MINES AVE & PASSONS BLVD
28-068	4188460	4052820 215 -4399.	-1792. TORRANCE BLVD & CRENSHAW BLVD
28-070	4271320	4071660 117 0500.	1602. ALONDRA BLVD & SHOEMAKER AV
28-073	4224020	4056460 239 -2142.	-0392. DEL AMO BLVD & SANTA FE AV
28-080	4250260	4046460 146 -1333.	0615. WARDLOW RD & BELLFLOWER BLVD
29-056	4272200	4119000 126 3058.	1154. ROSE HILLS RD NEAR S.G.R.FWY(605
29-058	4238900	4115760 062 2658.	0313. S.A.FWY & EASTERN AV(ATLANTIC)
29-062	4232100	4041280 179 -2302.	-0097. WILLOW ST & ATLANTIC AV
29-063	4204540	4046540 246 -3586.	-1154. 228TH ST & MAIN ST
29-068	4212860	4056600 254 -2778.	-0850. DEL AMO BLVD & CENTRAL AVE
31-072	4204020	4134160 129 3642.	1240. VALLEY BLVD. & DURFEE RD.
31-073	4179420	4108180 085 -0738.	-1349. SLAUSON AV & LA BREA BLVD
31-076	4194360	4126000 023 1295.	-0842. S.M. FNY & WESTERN AVE
31-079	4255580	4047260 154 -1100.	0819. LOS COYOTES DIAG & PALO VERDE AV

31-082	4253880	4102740 067	1942.	0782. SLAUSON AV & PARAMOUNT BLVD
31-085	4258300	4043540 153	-1144.	0883. SPRING ST & STUDEBAKER RD
31-088	4248720	4024500 167	-2091.	0409. 2ND ST & BAY SHORE DR
31-090	4250740	4135280 048	4069.	0554. GARVEY AV & GARFIELD AV
31-092	4254740	4098200 124	1651.	0834. TELEGRAPH RD & ROSEHEAD BLVD
31-096	4263180	4135340 046	3908.	0835. GARVEY AV & WALNUT GROVE AV
31-100	4207420	4064020 235	-2772.	-1063. VICTORIA ST & AVALON BLVD
31-104	4266260	4135360 131	3848.	0942. GARVEY AVE & ROSEHEAD BLVD
32-054	4171100	4053620 202	-4674.	-2092. TORRANCE BLVD & P.C.H.
32-056	4284480	4071840 115	0799.	2080. ALONDRA BLVD & STAGE RD.
32-058	4237940	4093840 099	0859.	0256. FIRESTONE BLVD & GARFIELD AV
32-060	4167940	4094860 090	-2124.	-1719. LINCOLN BLVD & SEPULVEDA BLVD
32-061	4180780	4053160 211	4688.	-2000. TORRANCE BLVD & HAWTHORNE BLVD
32-062	4252260	4125320 135	3471.	0628. MARKLAND DR & POTRERO GRANDE DR
32-063	4266400	4097000 256	1783.	1215. NORWALK BLVD & LOS NIETOS
32-064	4263220	4071520 118	0275.	1269. ALONDRA BLVD & PIONEER BLVD
32-066	4250260	4061580 143	-0672.	0704. SOUTH ST & BELLFLOWER BLVD.
32-067	4261060	4093680 075	1490.	1074. TELEGRAPH RD & ORR AND DAY RD.
32-070	4233960	4143920 014	4718.	0152. HUNTINGTON DR & EASTERN
32-071	4256700	4071640 119	0080.	1000. ALONDRA BLVD & S.G.R.FWY(405)
32-072	4250280	4076740 140	0152.	0737. ROSECRANS AV & BELLFLOWER BLVD
32-073	4207840	4056940 238	-3075.	-1057. DEL AMO BLVD & AVALON BLVD
32-075	4229600	4127180 052	3383.	0030. BROOKLYN AV/LORENA/INDIANA
32-079	4276680	4077040 123	0888.	1769. ROSECRANS & MARQUARDT AV
32-080	4194140	4019120 190	-4204.	-1221. 1ST ST(S.P.) & WESTERN AV
33-072	4206760	4129440 009	2270.	-0535. OLYMPIC & HARBOR FWY.
33-073	4228280	4136000 017	4117.	0011. VALLEY BLVD. & SOTO ST.
34-058	4250280	4072260 141	-0106.	0735. ALONDRA BLVD & BELLFLOWER BLVD
34-061	4199820	4066100 236	-3164.	-1367. ARTESIA BLVD & VERMONT AVE
34-062	4194280	4108400 043	-0044.	-1028. SLAUSON & WESTERN
34-063	4194340	4060760 237	-3828.	-1615. 190TH ST & WESTERN AVE
34-064	4237160	4086820 222	0315.	0221. IMPERIAL HWY & GARFIELD AVE
34-066	4250440	4051540 145	-1122.	0655. CARSON ST & BELLFLOWER BLVD
34-070	4181460	4068780 212	-4647.	-1912. SEPULVEDA BLVD & HAWTHORNE BLVD
34-071	4222860	4131320 018	3422.	-0133. STATE ST & G.S. FWY.
34-073	4279580	4066420 114	0451.	1932. ARTESIA BLVD & VALLEY VIEW
35-054	4279680	4061120 112	0220.	1852. ORANGETHORPE & VALLEY VIEW
35-056	4284840	4061180 111	0343.	1983. ORANGETHORPE & KNOTT AV
35-058	4204920	4097760 095	-0390.	-0856. MANCHESTER BLVD & MAIN ST
35-060	4176020	4098420 091	-1630.	-1548. MANCHESTER BLVD & S.D.FWY(405)
35-061	4231760	4107600 060	1736.	0060. SLAUSON AV & ATLANTIC AV
35-062	4245040	4051420 163	-1348.	0442. CARSON ST & LAKEWOOD BLVD
35-063	4277140	4071760 116	0642.	1838. ALONDRA BLVD & S.A.FWY(5)
35-064	4221000	4077180 220	-1137.	-0445. ROSECRANS AVE & ALAMEDA ST
35-065	4222420	4066600 233	-1721.	-0432. ARTESIA FWY(91) & ALAMEDA ST
35-070	4239640	4056760 171	-1349.	0248. DEL AMO BLVD & PARAMOUNT BLVD
35-071	4186960	4125280 001	848.	-1001. S.N.FWY & CRENSHAW

35-072	4211800	4071780	231	-1770.	-0668.	ALONDRA BLVD & WILMINGTON AVE
35-075	4229700	4121280	054	2855.	0023.	WHITTIER BLVD & INDIANA ST
35-080	4215760	4130220	019	2897.	-0314.	1ST ST. & ALAMEDA ST
35-056	4224740	4075480	107	0970.	2018.	ROSECRAHS AV & LA MIRADA BLVD
36-058	4212940	4097840	096	0042.	-0601.	FIRESTONE BLVD & COMPTON AV
36-060	4208100	4051120	242	-3263.	-1037.	CARSON ST & AVALON AV
36-061	4222740	4048480	240	-2527.	-0452.	WARDLOW RD & SANTA FE AVE
36-062	4200100	4051100	243	-3745.	-1350.	CARSON ST & VERMONT AV
38-054	4204500	4081280	106	1236.	1913.	TACUBA DR & LA MIRADA BLVD
38-058	4194700	4035840	197	-4173.	-1387.	P.C.H. & WESTERN AV
38-060	4181200	4070540	208	-3892.	-1947.	ONRAMP S.D.FWY (405) & HAWTHORNE
38-062	4215620	4051020	241	-2878.	-0737.	CARSON ST & WILMINGTON AV
38-063	4263440	4082200	102	0862.	1240.	IMPERIAL HWY & PIONEER BLVD
38-065	4276680	4083720	105	1224.	1679.	LEFFINGWELL RD & MEYERS RD
39-072	4225220	4071940	232	-1250.	-0297.	ALONDRA BLVD & LONG BEACH BLVD
39-074	4255260	4116200	070	2876.	0751.	WHITTIER BLVD & MONTEBELLO BLVD
39-075	4265950	4091430	257	1449.	1254.	NORWALK BLVD & TELEGRAPH
40-054	4274220	4066280	113	0315.	1714.	ARTESIA BLVD & CARMENITA AV
40-056	4234240	4077440	173	-0451.	0088.	ROSECRAHS AV & ORANGE AV
40-060	4168040	4081880	035	-3116.	-1911.	EL SEGUNDO & SEPULVEDA
40-061	4187660	4103080	028	-0798.	-1251.	FLORENCE & CRENSHAW
40-062	4188380	4047460	213	-4414.	-1720.	SEPULVEDA BLVD & CRENSHAW BLVD
40-063	4211180	4077080	219	-1707.	-0834.	ROSECRAHS AVE & CENTRAL AVE
40-064	4204840	4076760	218	-2113.	-1061.	ROSECRAHS AVE & MAIN ST
40-065	4173260	4059620	203	-4589.	-2127.	BERYL ST & FLAGLER LN.
40-074	4180760	4060660	210	-4712.	-2125.	190TH ST & HAWTHORNE BLVD
40-079	4260060	4111360	069	2593.	0913.	PARAMOUNT & DUNLAP CRSGING RD
41-073	4242040	4030780	166	-2181.	0225.	7TH ST & REDONDO AV
41-074	4276280	4125980	127	3371.	1179.	POMONA FWY & DURFEE-PECK RD
42-056	4225580	4095700	097	0492.	-0182.	FIRESTONE BLVD & CALIFORNIA AV
42-058	4254280	4086760	101	0894.	0873.	FIRESTONE & STEWART AND GRAY RD
42-060	4247660	4112600	065	2546.	0549.	WASHINGTON BLVD & GARFIELD AV
42-062	4219760	4102980	081	0824.	-0343.	FLORENCE AV & PACIFIC BLVD
42-063	4189000	4062860	216	-4115.	-1831.	S.D.FWY(405) & CRENSHAW BLVD
42-064	4237060	4026700	168	-2485.	0043.	OCEAN BLVD & CHERRY AV
42-072	4197620	4046500	245	-3967.	-1407.	228TH ST & NORMANDIE AV
42-073	4194320	4051100	244	-4089.	-1568.	CARSON ST & WESTERN AV
42-074	4181660	4041280	199	-4601.	-1787.	P.G.H. & HAWTHORNE BLVD.
42-075	4188960	4081940	038	-2569.	-1543.	EL SEGUNDO & CRENSHAW
43-056	4210660	4042680	247	-3336.	-0907.	SEPULVEDA BLVD & WILMINGTON AV
43-058	4167840	4071380	205	-3875.	-2056.	MANHATTAN BEACH BLVD & P.C.H.
43-060	4169060	4105020	087	-1335.	-1559.	CENTINELA AV & S.D.FWY(405)
43-063	4187700	4108360	027	-0367.	-1180.	SLAUSON & CRENSHAW
43-064	4229440	4056580	177	-1850.	-0169.	DEL ANO BLVD & LONG BEACH BLVD
43-072	4194340	4119260	024	0811.	-0908.	EXPOSITION & WESTERN AVE
43-073	4168020	4087240	033	-2706.	-1831.	IMPERIAL HWY & SEPULVEDA
43-075	4194380	4131660	003	1665.	-0792.	OLYMPIC & WESTERN

44-054	4288800	4063800	110	0537.	2080.	S.A.FWY(5) & BEACH BLVD
44-056	4194220	4082060	039	-2299.	-1387.	EL SEGUNDO & WESTERN
44-058	4238680	4141280	015	4569.	0260.	ALHAMBRA & LOWELL
44-063	4257900	4135200	047	3569.	0719.	GARVEY AV & DEL MAR AV
44-064	4258240	4130000	136	3707.	0753.	HILL DR & POTRERO GRANDE DR
44-074	4188520	4128600	002	1147.	-0938.	VENICE & CRENSHAW
44-075	4205020	4108320	250	0514.	-0748.	SLAUSON AVE & MAIN ST
44-079	4268440	4114240	073	2803.	1109.	BEVERLY BLVD & S.G.R.FWY(605)
45-054	4255580	4051520	155	-0927.	0855.	CARSON ST & PALO VERDE AV
45-056	4172220	4066060	204	-4263.	-2101.	ARTESIA BLVD & AVIATION BLVD
45-058	4194600	4041460	249	-4149.	-1448.	242ND PL & WESTERN AVE
45-060	4252640	4093400	077	1281.	0725.	FLORENCE AV & LAKEWOOD BLVD
45-062	4246200	4091540	100	0972.	0559.	FIRESTONE BLVD & PARAMOUNT BLVD
45-063	4187000	4036780	198	-4441.	-1603.	P.C.H. & CRENSHAW BLVD
46-063	4194180	4071800	217	-3148.	-1535.	REDONDO BEACH BLVD & WESTERN AV
46-064	4185320	4114480	026	0197.	-1109.	SANTA BARBARA & CRENSHAW
47-054	4292080	4074740	108	1062.	2098.	ROSECRAHS AV & BEACH BLVD
47-058	4242060	4099760	079	1444.	0399.	FLORENCE AV & GARFIELD AV
47-060	4177020	4074000	206	-3662.	-1945.	COMPTON BLVD & S.D.FWY(405)
47-063	4183760	4074040	207	-3493.	-1821.	COMPTON BLVD & PRAIRIE AVE
47-064	4204320	4070780	230	-2570.	-1153.	ALONDRA BLVD & MAIN ST
47-065	4254660	4024440	150	-1879.	0591.	PACIFIC COAST HWY & WESTMINSTER
48-064	4243540	4126240	063	3540.	0399.	BROOKLYN AV & ATLANTIC BLVD
49-063	4181100	4065940	209	-4314.	-2044.	ARTESIA BLVD & HAWTHORNE BLVD

4266050 4094100 TC 1607 1232 TRANSCON

4280800 4071800 GI 723 1977 GI

APPENDIX J

200 TEST POINT DATA FILE

IV. C. 200 Test Point File (CSS)

This data (as shown in Appendix J) are the X, Y, Phase A and Phase B coordinates as written in the original specification and digitized.



**** TSO FOREGROUND HARDCOPY ****
 DSNAME=#11911.MISC.DATA

(CSS)

1	4245900	4025960	-2158	329	00000000
2	4245220	4033320	-1982	347	00000000
3	4247500	4033760	-1880	428	00000000
4	4255460	4035260	-1533	708	00000000
5	4258020	4038760	-1324	826	00000000
6	4263540	4045700	-881	1088	00000000
7	4256480	4048280	-1027	861	00000000
8	4247540	4048820	-1351	525	00000000
9	4253040	4058640	-706	803	00000000
10	4253020	4058660	-706	803	00000000
11	4250280	4061320	-684	704	00000000
12	4244960	4068840	-503	508	00000000
13	4256540	4066560	-192	983	00000000
14	4252600	4065740	-374	817	00000000
15	4260500	4071500	193	1157	00000000
16	4266120	4069040	231	1388	00000000
17	4268720	4065900	151	1486	00000000
18	4279400	4065920	424	1919	00000000
19	4281480	4071720	734	2002	00000000
20	4283280	4068720	635	2101	00000000
21	4284680	4063040	418	2018	00000000
22	4289000	4060800	418	2032	00000000
23	4284740	4063040	419	2019	00000000
24	4290500	4070220	841	2127	00000000
25	4287000	4077020	1080	2027	00000000
26	4274020	4077060	833	1674	00000000
27	4279320	4084360	1301	1743	00000000
28	4279360	4084400	1304	1744	00000000
29	4273980	4082320	1101	1614	00000000
30	4267700	4087640	1265	1348	00000000
31	4256360	4085280	859	957	00000000
32	4256380	4085260	859	958	00000000
33	4250100	4086220	736	717	00000000
34	4250020	4094680	1300	688	00000000
35	4254080	4096400	1516	821	00000000
36	4246560	4107960	2178	530	00000000
37	4241860	4109000	2156	381	00000000
38	4251940	4110620	2461	684	00000000
39	4260720	4104920	2190	978	00000000
40	4264480	4111880	2653	1029	00000000
41	4267000	4110060	2559	1110	00000000
42	4271820	4119100	3064	1145	00000000
43	4276860	4123280	3250	1214	00000000
44	4284460	4132080	3563	1274	00000000
45	4281960	4131880	3576	1232	00000000
46	4279000	4135220	3728	1151	00000000
47	4278980	4135200	3727	1151	00000000
48	4270520	4141940	4060	943	00000000
49	4263260	4144440	4241	786	00000000
50	4268620	4132660	3731	968	00000000
51	4255320	4135280	4007	660	00000000
52	4255300	4135260	4006	660	00000000
53	4250140	4132620	3933	548	00000000
54	4248560	4124600	3428	535	00000000
55	4247360	4120800	3152	515	00000000
56	4241440	4124180	3367	346	00000000

57	36780	4128520	3678	219	00000000
58	4239360	4139720	4486	277	00000000
59	4233440	4139900	4611	138	00000000
60	4228920	4137560	4284	29	00000000
61	4226180	4131740	3642	-48	00000000
62	4236800	4128500	3676	220	00000000
63	4235340	4124600	3314	181	00000000
64	4225060	4126600	3137	-90	00000000
65	4226480	4121380	2738	-66	00000000
66	4235660	4116560	2625	188	00000000
67	4233860	4111320	2124	131	00000000
68	4226400	4109820	1716	-102	00000000
69	4226420	4109820	1717	-102	00000000
70	4231340	4104280	1441	40	00000000
71	4231040	4101700	1216	25	00000000
72	4231020	4101680	1214	24	00000000
73	4228140	4091900	307	-105	00000000
74	4228120	4091900	306	-105	00000000
75	4228120	4091880	304	-106	00000000
76	4233500	4087200	189	81	00000000
77	4233860	4082920	-99	86	00000000
78	4227780	4086180	-145	-139	00000000
79	4233880	4082900	-99	87	00000000
80	4229240	4077420	-691	-113	00000000
81	4229220	4077460	-689	-114	00000000
82	4229240	4077400	-692	-113	00000000
83	4231740	4068000	-1148	-41	00000000
84	4231740	4067920	-1153	-41	00000000
85	4234260	4063720	-1259	49	00000000
86	4234260	4063740	-1258	50	00000000
87	4223900	4056580	-2143	-397	00000000
88	4223560	4063100	-1847	-396	00000000
89	4228360	4059320	-1778	-207	00000000
90	4234540	4055240	-1657	35	00000000
91	4234500	4055240	-1658	33	00000000
92	4234640	4053880	-1711	35	00000000
93	4230660	4049340	-2091	-136	00000000
94	4228660	4046480	-2294	-220	00000000
95	4229820	4043820	-2328	-179	00000000
96	4237340	4045760	-1908	115	00000000
97	4234660	4038540	-2271	-8	00000000
98	4237240	4036000	-2233	78	00000000
99	4234700	4033280	-2418	-20	00000000
100	4222800	4033380	-2944	-440	00000000
101	4223440	4027980	-3025	-411	00000000
102	4215600	4024400	-3409	-656	00000000
103	4202840	4021320	-3922	-1016	00000000
104	4200760	4016380	-4008	-1032	00000000
105	4200680	4005780	-4029	-952	00000000
106	4197280	4010380	-4118	-1067	00000000
107	4193700	4013080	-4214	-1173	00000000
108	4199400	4019780	-4043	-1095	00000000
109	4202820	4021300	-3923	-1016	00000000
110	4204320	4028840	-3823	-1033	00000000
111	4208740	4030160	-3627	-904	00000000
112	4215080	4036280	-3245	-720	00000000
113	4208380	4036380	-3564	-955	00000000
114	4215080	4036300	-3245	-720	00000000
115	4208360	4036380	-3565	-955	00000000
116	4204600	4039200	-3706	-1103	00000000

117	204680	4039180	-3703	-1100	00000000
118	4214760	4048920	-2946	-768	00000000
119	4210800	4051120	-3103	-929	00000000
120	4214760	4048860	-2948	-768	00000000
121	4203300	4054940	-3438	-1240	00000000
122	4211260	4056520	-2879	-916	00000000
123	4216600	4064180	-2191	-682	00000000
124	4212720	4067900	-2217	-828	00000000
125	4207360	4064920	-2728	-1062	00000000
126	4207580	4074260	-2126	-997	00000000
127	4215980	4077140	-1422	-645	00000000
128	4216000	4077140	-1420	-644	00000000
129	4207640	4074280	-2121	-994	00000000
130	4207560	4079360	-1754	-954	00000000
131	4201020	4082000	-1929	-1163	00000000
132	4203660	4087220	-1350	-1012	00000000
133	4210960	4086780	-979	-762	00000000
134	4218380	4095260	106	-436	00000000
135	4218360	4095320	110	-436	00000000
136	4210400	4097840	-91	-683	00000000
137	4202340	4097840	-52	-933	00000000
138	4203700	4103100	1	-837	00000000
139	4212920	4105780	718	-540	00000000
140	4212920	4105800	720	-540	00000000
141	4219600	4112900	1673	-295	00000000
142	4207680	4113760	1114	-628	00000000
143	4202340	4116380	1030	-745	00000000
144	4207660	4113740	1111	-628	00000000
145	4212060	4121340	1983	-456	00000000
146	4221640	4125360	2856	-184	00000000
147	4221400	4128040	3068	-181	00000000
148	4214440	4129140	2734	-351	00000000
149	4210220	4127060	2316	-467	66666666
150	4206640	4121380	1669	-595	00000000
151	4210300	4127080	2323	-465	00000000
152	4213600	4131900	2877	-358	00000000
153	4214140	4134420	3080	-333	00000000
154	4209460	4137720	2961	-423	00000000
155	4208340	4140580	3034	-432	00000000
156	4197800	4142620	2467	-638	00000000
157	4198360	4147920	2729	-592	00000000
158	4197020	4134760	2006	-712	00000000
159	4197020	4134780	2007	-711	00000000
160	4194440	4131540	1661	-791	00000000
161	4194380	4128220	1445	-822	00000000
162	4194340	4128220	1442	-823	00000000
163	4187020	4125320	854	-1000	00000000
164	4186840	4125100	830	-1006	00000000
165	4191700	4119780	709	-961	00000000
166	4202380	4116400	1034	-744	00000000
167	4202340	4097820	-521	-933	00000000
168	4192300	4107080	-251	-1091	00000000
169	4189640	4105420	-515	-1175	00000000
170	4174960	4103660	-1252	-1489	00000000
171	4168560	4102840	-1510	-1596	00000000
172	4163840	4097760	-1994	-1725	00000000
173	4153900	4096540	-2235	-1831	00000000
174	4161880	4087440	-2763	-1885	00000000
175	4167960	4093220	-2249	-1742	00000000
176	4167840	4089560	-2531	-1798	00000000

177	177000	4098380	-1602	-1532	0000000
178	4202300	4097900	-516	-934	0000000
179	4191700	4089940	-1739	-1341	0000000
180	4191760	4089960	-1734	-1339	0000000
181	4201020	4081980	-1931	-1163	0000000
182	4171940	4082060	-3059	-1869	0000000
183	4167880	4077620	-3436	-1975	0000000
184	4170520	4063500	-4376	-2121	0000000
185	4178440	4072500	-3771	-1954	0000000
186	4191740	4066100	-3721	-1694	0000000
187	4183860	4066140	-4206	-1977	0000000
188	4188580	4060800	-4244	-1854	0000000
189	4194340	4053600	-4046	-1588	0000000
190	4188460	4052860	-4399	-1793	0000000
191	4183580	4055940	-4630	-1989	0000000
192	4183580	4055940	-4630	-1989	0000000
193	4180580	4048980	-4667	-1932	0000000
194	4170940	4048680	-4711	-2039	0000000
195	4181560	4039300	-4592	-1759	0000000
196	4183820	4031060	-4504	-1595	0000000
197	4185740	4041380	-4495	-1699	0000000
198	4194880	4038760	-4157	-1415	0000000
199	4194860	4038800	-4157	-1416	0000000
200	4204720	4039180	-3701	-1099	0000000

APPENDIX K

200 TEST POINT ALPHANUMERIC FILE

IV.D. 200 Test Point File (CARGOSEC)

This data (as shown in Appendix K) were used to describe the street intersections where the test points were located.



XXXX TSO FOREGROUND HARDCOPY XXXX
 DSNAME=#11911.MISC.DATA

(CARGOSEC)

1	4245900	4025960	LIVINGSTON DR. / 2ND ST.	00000010
2	4245220	4033320	ANAHEIM ST. / XIMENO AVE.	00000020
3	4247500	4033760	PCH / CLARK AVE.	00000030
4	4255460	4035260	ATHERTON ST / PALO VERDE	00000040
5	4258020	4038760	STUDEBAKER RD / EL SALVADOR ST.	00000050
6	4263540	4045700	SGR-FWY(605) / WARDLOW RD.	00000060
7	4256480	4048280	LOS COYOTES DIAG. / CONANT ST.	00000070
8	4247540	4048820	CONANT ST. / CLARK AVE.	00000080
9	4253040	4058640	CANDLEWOOD ST. / FANWOOD AVE.	00000090
10	4253020	4058660	CANDLEWOOD ST. / FANWOOD AVE.	00000100
11	4250280	4061320	BELLFLOWER BLVD. / SOUTH ST.	00000110
12	4244960	4068840	LAKEWOOD BLVD. / WALNUT ST.	00000120
13	4256540	4066560	ARTESIA FWY(91) / SGR FWY(605)	00000130
14	4252600	4065740	WOODRUFF AVE. / ARTESIA BLVD.	00000140
15	4260500	4071500	ALONDRA BLVD. / EAST DR.(GRIDLEY RD.)	00000150
16	4266120	4069040	NORWALK BLVD. / 166TH ST.	00000160
17	4268720	4065900	ARTESIA BLVD. / BLOOMFIELD AVE.	00000170
18	4279400	4065920	ARTESIA BLVD. / VALLEY VIEW AVE.	00000180
19	4281480	4071720	PHOEBE AVE. / ALONDRA BLVD.	00000190
20	4283280	4068720	LEMONT AVE. / BTWN DESMAN RD & SA FWY	00000200
21	4284680	4063040	KNOTT AVE / 9TH ST.	00000210
22	4289000	4060800	ORANGETHORPE AVE. / BEACH BLVD.	00000220
23	4284740	4063040	KNOTT AVE. / 9TH ST.	00000230
24	4290500	4070220	BEACH BLVD. / LA MIRADA BLVD.	00000240
25	4287000	4077020	ALICANTE RD. / ADELFA DR.	00000250
26	4274020	4077060	CARMENITA RD. / ROSECRANS AVE.	00000260
27	4279320	4084360	LEFFINGWELL RD. / VALLEY VIEW AVE.	00000270
28	4279360	4084400	LEFFINGWELL RD. / VALLEY VIEW RD.	00000280
29	4273980	4082320	IMPERIAL HWY. / CARMENITA RD.	00000290
30	4267700	4087640	LAKELAND RD. / BTWN BLOOMFIELD & NORW	00000300
31	4256360	4085280	SGR FWY(605) / FIRESTONE BLVD.	00000310
32	4256380	4085260	SGR FWY(605) / FIRESTONE BLVD.	00000320
33	4250100	4086220	BELLFLOWER BLVD. / STEWART & GRAY RD.	00000330
34	4250020	4094680	DOWNEY AVE. / FLORENCE AVE.	00000340
35	4254080	4096400	LAKEWOOD BLVD. / BTWN SA FWY & GALLAT	00000350
36	4246560	4107960	TELEGRAPH RD. / GARFIELD AVE.	00000360
37	4241860	4109000	6000 BANDINI BLVD.	00000370
38	4251940	4110620	WASHINGTON BLVD. / GREENWOOD AVE.	00000380
39	4260720	4104920	WASHINGTON BLVD. / PASSONS BLVD.	00000390
40	4264480	4111880	PASSONS BLVD. / WHITTIER BLVD.	00000400
41	4267000	4110060	WHITTIER BLVD. / SGR FWY(605)	00000410
42	4271820	4119100	SGR PKWY / ROSE HILLS RD.	00000420
43	4276860	4123280	PECK RD. / ROOKS RD.	00000430
44	4284460	4132080	PARKWAY DR. / DAHLIA AVE.	00000440
45	4281960	4131880	DURFEE AVE. / ELLIOTT AVE.	00000450
46	4279000	4135220	GARVEY AVE. / PECK RD.	00000460
47	4278980	4135200	GARVEY AVE. / PECK RD.	00000470
48	4270520	4141940	MISSION BLVD. / TEMPLE CITY BLVD.	00000480
49	4263260	4144440	WALNUT GROVE AVE.	00000490
50	4268620	4132660	ROSEMEAD BLVD. / BTWN RUSH & KLINGERM	00000500
51	4255320	4135280	GARVEY AVE. / NEW AVE.	00000510
52	4255300	4135260	GARVEY AVE. / NEW AVE.	00000520
53	4250140	4132620	GARFIELD AVE. / GRAVES AVE.	00000530
54	4248560	4124600	GARFIELD AVE. / POMONA FWY(60)	00000540
55	4247360	4120800	BEVERLY BLVD. / GARFIELD AVE.	00000550
56	4241440	4124180	BEVERLY BLVD. / ATLANTIC BLVD.	00000560

57	4236780	4128520	FLORAL DR. / LB FWY(7)	00000570
58	4239360	4139720	LB FWY(7) / VALLEY BLVD.	00000580
59	4233440	4139900	EASTERN AVE. / KLAMATH ST.	00000590
60	4228920	4137560	SOTO ST. / MULTNOMAH	00000600
61	4226180	4131740	SOTO ST. / WASHBASH AVE.	00000610
62	4236800	4128500	FLORAL DR. / LB FWY(7)	00000620
63	4235340	4124600	EASTERN AVE. / 3RD ST.	00000630
64	4225060	4126600	MOTT ST. / 4TH ST.	00000640
65	4226480	4121380	LORENA ST. / SA FWY(5)	00000650
66	4235660	4116560	LB FWY(7) / RR TRACKS	00000660
67	4233860	4111320	LB FWY(7) / ATLANTIC BLVD.	00000670
68	4226400	4109820	MAYWOOD AVE. / 55TH ST.	00000680
69	4226420	4109820	MAYWOOD AVE. / 55TH ST.	00000690
70	4231340	4104280	GAGE AVE. / ATLANTIC BLVD.	00000700
71	4231040	4101700	ATLANTIC BLVD. / FLORENCE AVE.	00000710
72	4231020	4101680	ATLANTIC BLVD. / FLORENCE AVE.	00000720
73	4228140	4091900	TWEEDY BLVD. / OTIS ST.	00000730
74	4228120	4091900	TWEEDY BLVD. / OTIS ST.	00000740
75	4228120	4091880	TWEEDY BLVD. / OTIS ST.	00000750
76	4233500	4087200	LB FWY(7) / IMPERIAL HWY.	00000760
77	4233860	4082920	LB FWY(7) / CENTURY BLVD.	00000770
78	4227780	4086180	BULLIS RD. / CENTURY BLVD.	00000780
79	4233880	4082900	LB FWY(7) / CENTURY BLVD.	00000790
80	4229240	4077420	ATLANTIC AVE. / ROSECRANS BLVD.	00000800
81	4229220	4077460	ATLANTIC AVE. / ROSECRANS BLVD.	00000810
82	4229240	4077400	ATLANTIC AVE. / ROSECRANS BLVD.	00000820
83	4231740	4068000	ATLANTIC AVE. / PENFOLD ST.	00000830
84	4231740	4067920	ATLANTIC AVE. / PENFOLD ST.	00000840
85	4234260	4063720	ORANGE AVE. / BTWN HARDING & 61ST ST.	00000850
86	4234260	4063740	ORANGE AVE. / BTWN HARDING & 61ST ST.	00000860
87	4223900	4056580	DEL AMO BLVD. / SANTA FE AVE.	00000870
88	4223560	4063100	VICTORIA ST. / SANTA FE AVE.	00000880
89	4228360	4059320	MARKET ST. / LONG BEACH BLVD.	00000890
90	4234540	4055240	ORANGE AVE. / CERRITOS DR.	00000900
91	4234500	4055240	ORANGE AVE. / CERRITOS DR.	00000910
92	4234640	4053880	ORANGE AVE. / GOLDFIELD AVE.	00000920
93	4230660	4049340	BIXBY RD. / LONG BEACH BLVD.	00000930
94	4228660	4046480	WARDLOW RD. / PACIFIC PL.	00000940
95	4229820	4043820	SPRING ST. / RR TRACKS	00000950
96	4237340	4045760	CHERRY AVE. / BTWN SD FWY(405) & WARD	00000960
97	4234660	4038540	ORANGE AVE. / HILL ST.	00000970
98	4237240	4036000	PCH(1) / CHERRY AVE.	00000980
99	4234700	4033280	ANAHEIM ST. / ORANGE AVE.	00000990
100	4222800	4033380	SANTA FE AVE. / ANAHEIM ST.	00001000
101	4223440	4027980	WATER ST. / ONTARIO AVE.	00001010
102	4215600	4024400	HENRY FORD AVE. / OCEAN BLVD.	00001020
103	4202840	4021320	FRONT ST. / OCEAN BLVD.	00001030
104	4200760	4016380	PACIFIC AVE. / 9TH ST.	00001040
105	4200680	4005780	GAFFEY ST. / SHEPARD ST.	00001050
106	4197280	4010380	ALMA ST. / 27TH ST.	00001060
107	4193700	4013080	WESTERN AVE. / 19TH ST.	00001070
108	4199400	4019780	GAFFEY ST. / SEPULVEDA BLVD.	00001080
109	4202820	4021300	FRONT ST. / OCEAN BLVD.	00001090
110	4204320	4028840	JOHN GIBSON BLVD(B ST.) / HAWAIIAN AV	00001100
111	4208740	4030160	D ST. / AVALON BLVD.	00001110
112	4215080	4036280	ALAMEDA ST. / PCH(1)	00001120
113	4208380	4036380	PCH(1) / AVALON BLVD.	00001130
114	4215080	4036300	PCH(1) / ALAMEDA ST.	00001140
115	4208360	4036380	PCH(1) / AVALON BLVD.	00001150
116	4204600	4039200	LOMITA BLVD. / MAIN ST.	00001160

117	4204680	4039180	LOMITA BLVD. / MAIN ST.	00001170
118	4214760	4048920	WILMINGTON AVE. / SD FWY(405)	00001180
119	4210800	4051120	CARSON ST. / SD FWY(405)	00001190
120	4214760	4048860	SD FWY(405) / WILMINGTON AVE.	00001200
121	4203300	4054940	TORRANCE BLVD. / MAIN ST.	00001210
122	4211260	4056520	DEL AMO BLVD. / TILLMAN AVE.	00001220
123	4216600	4064180	WILMINGTON AVE. / VICTORIA ST.	00001230
124	4212720	4067900	CENTRAL AVE. / RR TRACKS	00001240
125	4207360	4064920	AVALON BLVD BTW ARTESIA FWY & VICTORIA	00001250
126	4207580	4074260	AVALON BLVD / COMPTON BLVD	00001260
127	4215980	4077140	ROSECRANS AVE / WILMINGTON AVE	00001270
128	4216000	4077140	ROSECRANS AVE / WILMINGTON AVE.	00001280
129	4207640	4074280	COMPTON BLVD / AVALON BLVD	00001290
130	4207560	4079360	AVALON BLVD / 135TH ST	00001300
131	4201020	4082000	EL SEGUNDO BLVD / HOOVER ST	00001310
132	4203660	4087220	IMPERIAL HWY / BROADWAY	00001320
133	4210960	4086780	IMPERIAL HWY / CENTRAL AVE	00001330
134	4218380	4095260	92ND ST / ALAMEDA ST	00001340
135	4218360	4095320	92ND ST / ALAMEDA ST	00001350
136	4210400	4097840	FIRESTONE BLVD / CENTRAL AVE	00001360
137	4202340	4097840	MANCHESTER(FIRESTONE) / FIGUEROA ST	00001370
138	4203700	4103100	FLORENCE AVE / BROADWAY	00001380
139	4212920	4105780	GAGE AVE / COMPTON AVE	00001390
140	4212920	4105800	GAGE AVE / COMPTON AVE	00001400
141	4219600	4112900	PACIFIC BLVD / CHAMBERS ST	00001410
142	4207680	4113760	VERNON AVE / AVALON BLVD	00001420
143	4202340	4116380	SANTA BARBARA AVE / FIGUEROA ST	00001430
144	4207660	4113740	VERNON AVE / AVALON BLVD	00001440
145	4212060	4121340	WASHINGTON BLVD / CENTRAL AVE	00001450
146	4221640	4125360	WHITTIER BLVD / SANTA MONICA FWY	00001460
147	4221400	4128040	4TH ST / BOYLE AVE	00001470
148	4214440	4129140	4TH ST / SAN PEDRO ST	00001480
149	4210220	4127060	MAIN ST / OLYMPIC BLVD	00001490
150	4206640	4121380	MAIN ST / ADAMS BLVD	00001500
151	4210300	4127080	MAIN ST / OLYMPIC BLVD	00001510
152	4213600	4131900	BROADWAY / 1ST ST	00001520
153	4214140	4134420	SUNSET BLVD / GRAND AVE	00001530
154	4209460	4137720	ECHO PARK AVE / BELLEVUE AVE	00001540
155	4208340	4140580	ALVARADO ST / SUNSET BLVD	00001550
156	4197800	4142620	MELROSE AVE / HOLLYWOOD FWY(101)	00001560
157	4198360	4147920	EDGEMONT ST / SUNSET BLVD	00001570
158	4197020	4134760	WILSHIRE BLVD / NORMANDIE AVE	00001580
159	4197020	4134780	WILSHIRE BLVD / NORMANDIE AVE	00001590
160	4194440	4131540	WESTERN AVE / OLYMPIC	00001600
161	4194380	4128220	VENICE BLVD / WESTERN AVE	00001610
162	4194340	4128220	VENICE BLVD / WESTERN AVE	00001620
163	4187020	4125320	CRENSHAW BLVD / SANTA MONICA FWY	00001630
164	4186840	4125100	CRENSHAW BLVD / SANTA MONICA FWY	00001640
165	4191700	4119780	ARLINGTON AVE / 37TH PLACE	00001650
166	4202380	4116400	FIGUEROA ST / SANTA BARBARA AVE	00001660
167	4202340	4097820	FIGUEROA ST / MANCHESTER AVE	00001670
168	4192300	4107080	60TH ST / HYDE PARK BLVD	00001680
169	4189640	4105420	7TH AVE / HYDE PARK BLVD	00001690
170	4174960	4103660	LA TIJERA BLVD / KNOWLTON ST	00001700
171	4168560	4102840	SEPULVEDA BLVD / 74TH ST	00001710
172	4163840	4097760	MANCHESTER AVE / MC CONNELL AVE	00001720
173	4153900	4096540	MANCHESTER AVE / PERSHING DR	00001730
174	4161880	4087440	IMPERIAL HWY / PERSHING DR	00001740
175	4167960	4093220	SEPULVEDA BLVD / HYATT LA(98TH ST)	00001750
176	4167840	4089560	SEP. BLVD / CENTURY (UNDER RUNWAY)	00001760

177	4177000	408980	MANCHESTER BLVD / OAK ST	00001770
178	4202300	4097900	FIGUEROA ST / MANCHESTER AVE	00001780
179	4191700	4089940	VAN NESS AVE / 108TH ST	00001790
180	4191760	4089960	VAN NESS AVE / 108TH ST	00001800
181	4201020	4081980	EL SEGUNDO BLVD / HOOVER ST	00001810
182	4171940	4082060	EL SEGUNDO BLVD / DOUGLAS ST	00001820
183	4167880	4077620	SEPULVEDA BLVD / SPT CO RR TRACKS	00001830
184	4170520	4063500	AVIATION BLVD / HARPER AVE	00001840
185	4178440	4072500	INGLEWOOD AVE / SAN DIEGO FWY(405)	00001850
186	4191740	4066100	ARTESIA BLVD / VAN NESS AVE	00001860
187	4183860	4066140	PRAIRIE AVE / ARTESIA BLVD	00001870
188	4188580	4060800	190TH ST / CRENSHAW BLVD	00001880
189	4194340	4053600	WESTERN AVE / TORRANCE BLVD	00001890
190	4188460	4052860	CRENSHAW BLVD / TORRANCE BLVD	00001900
191	4183580	4055940	MADRONA AVE / SPENSER ST	00001910
192	4183580	4055940	MADRONA AVE / SPENSER ST	00001920
193	4180580	4048980	OCEAN AVE / SEPULVEDA BLVD	00001930
194	4170940	4048680	AVE D / PC HWY (1)	00001940
195	4181560	4039300	HAWTHORNE BLVD / NEWTON ST	00001950
196	4183820	4031060	PALOS VERDES DR / ROLLING HILLS RD	00001960
197	4185740	4041380	SKYPARK DR / GARNIER ST	00001970
198	4194880	4038760	LOMITA BLVD / WESTERN AVE	00001980
199	4194860	4038800	LOMITA BLVD / WESTERN AVE	00001990
200	4204720	4039180	WILMINGTON BLVD / LOMITA BLVD	00002000

APPENDIX L

200 (raw) TEST POINT RUN (CSSCPT)

IV. E. (CSSCPT) Test Data Conducted 6th, 9th, and 11th of January 1978

The data (as shown in Appendix L) are from the tests run against the original 200 point test plan as described in the Acceptance Test Procedure (ATP). This was the raw data used in reference to IOC 78.5332-289, dated 23 January 1978.



8	427540	4048720	00000000
85	4234300	4064060	00000000
86	4234380	4064020	00000000
4	4255520	4035660	00000000
5	4258240	4039240	00000000
6	4263620	4046160	00000000
7	4256600	4048660	00000000
9	4253140	4059160	00000000
10	4253140	4059140	00000000
11	4250320	4061660	00000000
14	4252700	4066260	00000000
13	4256700	4066980	00000000
13A	4258040	4066320	00000000
17	4268900	4066320	00000000
17A	4271500	4066320	00000000
18	4279520	4066420	00000000
21	4284820	4063460	00000000
23	4284820	4063460	00000000
22	4288780	4061140	00000000
103	4202860	4021260	00000000
109	4202860	4021260	00000000
104	4200800	4016400	00000000
105	4199240	4005840	00000000
106	4197380	4010520	00000000
107	4193720	4013120	00000000
108	4199460	4019700	00000000

29	4279260	4082280	00000000
27	4279260	4084420	00000000
28	4279240	4084400	00000000
26	4273920	4077020	00000000
25	4287020	4077080	00000000
19	4281460	4071780	00000000
20	4283300	4068720	00000000
16	4266060	4069020	00000000
15	4260480	4071580	00000000
24	4289600	4070540	00000000
184	4170580	4063400	00000000
194	4170000	4048580	00000000
186	4171660	4066060	00000000
187	4183800	4066020	00000000
188	4188560	4060740	00000000
189	4194280	4053500	00000000
190	4188360	4052800	00000000
191	4183460	4055920	00000000
192	4183440	4055940	00000000
193	4180560	4048980	00000000
119	4210640	4051140	00000000
121	4203140	4054940	00000000
122	4211060	4056540	00000000
125	4207240	4065000	00000000
195	4181600	4039380	00000000
196	4183760	4031100	00000000
197	4185660	4041600	00000000
198	4194780	4038840	00000000
199	4194720	4038860	00000000
116	4204520	4039140	00000000
117	4204540	4039140	00000000
200	4204560	4039180	00000000
110	4204180	4028960	00000000
111	4208600	4030300	00000000
113	4208140	4036500	00000000
115	4208140	4036480	00000000
102	4215840	4024500	00000000
101	4223500	4028020	00000000
100	4222800	4033320	00000000
1	4245920	4025900	00000000
2	4245240	4033300	00000000
3	4247500	4033740	00000000
99	4234680	4033320	00000000
98	4237340	4035980	00000000
97	4234720	4038560	00000000
112	4215120	4036400	00000000
114	4215140	4036420	00000000
118	4214780	4048980	00000000
120	4214820	4048940	00000000
123	4216660	4064180	00000000
88	4223620	4063100	00000000
89	4228560	4059240	00000000
87	4223940	4056480	00000000
90	4234620	4055240	00000000
91	4234600	4055240	00000000
92	4234700	4054100	00000000
93	4230720	4049300	00000000
94	4228740	4046500	00000000
95	4229880	4043800	00000000
96	4237360	4045840	00000000

175	4168000	4089560
182	4171860	4081980
183	4167900	4077600
170	4176060	4104960
169	4189640	4105400
168	4192320	4107080
138	4203640	4103160
167	4202360	4097880
178	4202300	4097860
137	4202320	4097880
136	4210300	4097920
133	4210980	4086760
132	4203720	4087360
181	4201040	4082040
131	4201080	4082040
130	4207660	4079460
129	4207640	4074380
126	4207660	4074340
185	4178560	4072540
177	4177060	4098380
180	4191740	4089940
179	4191720	4089920
139	4213000	4105820
140	4213000	4105820
134	4218320	4095320
135	4218320	4095340
68	4226440	4109780
69	4226440	4109740
67	4233880	4111260
70	4231420	4104400
71	4231100	4101560
72	4231100	4101560
73	4228160	4091780
74	4228180	4091780
75	4228160	4091760
76	4233320	4087320
77	4233860	4082880
79	4233860	4082860
80	4229320	4077360
81	4229300	4077320
82	4229320	4077360
83	4231720	4068160
84	4231660	4068120
12	4244900	4068860
124	4212700	4067820
127	4215980	4077200
128	4215980	4077220
36	4246520	4107960
37	4241560	4109080
37A	4239220	4109280
38	4251980	4110560
34	4250040	4094720
35	4254020	4096460
39	4260800	4104900
40	4264520	4111900
41	4267380	4109800
33	4250140	4086160
31	4256040	4082320
32	4256680	4082300
30	4267620	4087640

**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.DATA

(CSSCPT)

157	4198240	4148060	00000000
156	4197740	4142760	00000000
155	4208100	4140620	00000000
154	4209260	4137860	00000000
158	4196960	4134900	00000000
159	4196980	4134840	00000000
160	4194300	4131620	00000000
161	4194340	4128280	00000000
162	4194380	4128260	00000000
163	4186940	4125320	00000000
164	4186780	4124940	00000000
165	4191640	4119820	00000000
143	4202320	4116500	00000000
166	4202300	4116480	00000000
142	4207620	4113900	00000000
144	4207600	4113860	00000000
150	4206620	4121440	00000000
149	4210240	4127120	00000000
151	4210240	4127120	00000000
153	4214180	4134360	00000000
152	4213700	4131880	00000000
148	4214480	4129060	00000000
145	4212200	4121340	00000000
141	4219760	4112380	00000000
146	4221680	4125360	00000000
147	4221520	4128040	00000000
64	4225020	4126500	00000000
65	4226520	4121260	00000000
66	4235680	4116520	00000000
61	4226280	4131620	00000000
60	4228920	4137440	00000000
59	4233480	4139640	00000000
58	4239360	4139620	00000000
57	4236800	4128420	00000000
62	4236820	4128400	00000000
63	4235340	4124480	00000000
56	4241480	4124040	00000000
55	4247460	4120460	00000000
54	4248600	4124480	00000000
53	4249960	4132580	00000000
51	4255260	4135180	00000000
52	4255260	4135200	00000000
49	4263100	4144340	00000000
48	4270340	4142000	00000000
50	4268500	4132640	00000000
46	4278740	4135300	00000000
47	4278740	4135320	00000000
44	4284260	4132220	00000000
45	4281820	4131860	00000000
43	4276760	4123420	00000000
42	4271780	4119180	00000000
173	4153920	4096480	00000000
174	4158460	4087360	00000000
172	4163860	4097780	00000000
171	4168540	4102920	00000000
175	4168000	4093220	00000000

APPENDIX M

200 (modified) TEST POINT RUN (CSSCPT2)

IV. F. (CSSCPT2) Test Data Conducted 6th, 9th, and 11th of January 1978

The data (as shown in Appendix M) are from the tests run against the original 200 point test plan as described in the Acceptance Test Procedure (ATP). These data were corrected for offsets and are also referenced in IOC 78.5332-289, dated 23 January 1978.



**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.DATA

(CSSCPT2)

157	4198240	4148060	00000000
156	4197740	4142760	00000000
155	4208100	4140620	00000000
154	4209260	4137860	00000000
158	4196960	4134900	00000000
159	4196980	4134840	00000000
160	4194300	4131620	00000000
161	4194340	4128280	00000000
162	4194380	4128260	00000000
163	4186940	4125320	00000000
164	4186780	4124940	00000000
165	4191640	4119820	00000000
143	4202320	4116500	00000000
166	4202300	4116480	00000000
142	4207620	4113900	00000000
144	4207600	4113860	00000000
150	4206620	4121440	00000000
149	4210240	4127120	00000000
151	4210240	4127120	00000000
153	4214180	4134360	00000000
152	4213700	4131880	00000000
148	4214480	4129060	00000000
145	4212200	4121340	00000000
141	4219760	4112380	00000000
146	4221680	4125360	00000000
147	4221520	4128040	00000000
64	4225020	4126500	00000000
65	4226520	4121260	00000000
66	4235680	4116520	00000000
61	4226280	4131620	00000000
60	4228920	4137440	00000000
59	4233480	4139640	00000000
58	4239360	4139620	00000000
57	4236800	4128420	00000000
62	4236820	4128400	00000000
63	4235340	4124480	00000000
56	4241480	4124040	00000000
55	4247460	4120460	00000000
54	4248600	4124480	00000000
53	4249960	4132580	00000000
51	4255260	4135180	00000000
52	4255260	4135200	00000000
49	4263100	4144340	00000000
48	4270340	4142000	00000000
50	4268500	4132640	00000000
46	4278740	4135300	00000000
47	4278740	4135320	00000000
44	4284260	4132220	00000000
45	4281820	4131860	00000000
43	4276760	4123420	00000000
42	4271780	4119180	00000000
173	4153920	4096480	00000000
174	4158460	4087360	00000000
172	4163860	4097780	00000000
171	4168540	4102920	00000000
175	4168000	4093220	00000000

176	4171800	4089560	00000000
182	4171860	4081980	00000000
183	4167900	4077600	00000000
170	4176060	4104960	00000000
169	4189640	4105400	00000000
168	4192320	4107080	00000000
138	4203640	4103160	00000000
167	4202360	4097880	00000000
178	4202300	4097860	00000000
137	4202320	4097880	00000000
136	4210300	4097920	00000000
133	4210980	4086760	00000000
132	4203720	4087360	00000000
181	4201040	4082040	00000000
131	4201080	4082040	00000000
130	4207660	4079460	00000000
129	4207640	4074380	00000000
126	4207660	4074340	00000000
185	4178560	4072540	00000000
177	4177060	4098380	00000000
180	4191740	4089940	00000000
179	4191720	4089920	00000000
139	4213000	4105820	00000000
140	4213000	4105820	00000000
134	4218320	4095320	00000000
135	4218320	4095340	00000000
68	4226440	4109780	00000000
69	4226440	4109740	00000000
67	4233880	4111260	00000000
70	4231420	4104400	00000000
71	4231100	4101560	00000000
72	4231100	4101560	00000000
73	4228160	4091780	00000000
74	4228180	4091780	00000000
75	4228160	4091760	00000000
76	4233320	4087320	00000000
77	4233860	4082880	00000000
79	4233860	4082860	00000000
80	4229320	4077360	00000000
81	4229300	4077320	00000000
82	4229320	4077360	00000000
83	4231720	4068160	00000000
84	4231660	4068120	00000000
12	4244900	4068860	00000000
124	4212700	4067820	00000000
127	4215980	4077200	00000000
128	4215980	4077220	00000000
36	4246520	4107960	00000000
37	4241560	4109080	00000000
37A	4239220	4109280	00000000
38	4251980	4110560	00000000
34	4250040	4094720	00000000
35	4254020	4096460	00000000
39	4260800	4104900	00000000
40	4264520	4111900	00000000
41	4267380	4109800	00000000
33	4250140	4086160	00000000
31	4256040	4082320	00000000
32	4256680	4082300	00000000
30	4267620	4087640	00000000

29	4279260	4082280	00000000
27	4279260	4084420	00000000
28	4279240	4084400	00000000
26	4273920	4077020	00000000
25	4287020	4077080	00000000
19	4281460	4071780	00000000
20	4283300	4068720	00000000
16	4266060	4069020	00000000
15	4260480	4071580	00000000
24	4289600	4070540	00000000
184	4170580	4063400	00000000
194	4171000	4048580	00000000
186	4191660	4066060	00000000
187	4183800	4066020	00000000
188	4188560	4060740	00000000
189	4194280	4053500	00000000
190	4188360	4052800	00000000
191	4183460	4055920	00000000
192	4183440	4055940	00000000
193	4180560	4048980	00000000
119	4210640	4051140	00000000
121	4203140	4054940	00000000
122	4211060	4056540	00000000
125	4207240	4065000	00000000
195	4181600	4039380	00000000
196	4183760	4031100	00000000
197	4185660	4041600	00000000
198	4194780	4038840	00000000
199	4194720	4038860	00000000
116	4204520	4039140	00000000
117	4204540	4039140	00000000
200	4204560	4039180	00000000
110	4204180	4028960	00000000
111	4208600	4030300	00000000
113	4208140	4036500	00000000
115	4208140	4036480	00000000
102	4215840	4024500	00000000
101	4223500	4028020	00000000
100	4222800	4033320	00000000
1	4245920	4025900	00000000
2	4245240	4033300	00000000
3	4247500	4033740	00000000
99	4234680	4033320	00000000
98	4237340	4035980	00000000
97	4234720	4038560	00000000
112	4215120	4036400	00000000
114	4215140	4036420	00000000
118	4214780	4048980	00000000
120	4214820	4048940	00000000
123	4216660	4064180	00000000
88	4223620	4063100	00000000
89	4228560	4059240	00000000
87	4223940	4056480	00000000
90	4234620	4055240	00000000
91	4234600	4055240	00000000
92	4234700	4054100	00000000
93	4230720	4049300	00000000
94	4228740	4046500	00000000
95	4229880	4043800	00000000
96	4237360	4045840	00000000

8	4234300	4048720	00000000
85	4234300	4064060	00000000
86	4234380	4064020	00000000
4	4255520	4035660	00000000
5	4258240	4039240	00000000
6	4263620	4046160	00000000
7	4256600	4048660	00000000
9	4253140	4059160	00000000
10	4253140	4059140	00000000
11	4250320	4061660	00000000
14	4252700	4066260	00000000
13	4256700	4066980	00000000
13A	4258040	4066320	00000000
17	4268900	4066320	00000000
17A	4271500	4066320	00000000
18	4279520	4066420	00000000
21	4284820	4063460	00000000
23	4284820	4063460	00000000
22	4288780	4061140	00000000
103	4202860	4021260	00000000
109	4202860	4021260	00000000
104	4200800	4016400	00000000
105	4199240	4005840	00000000
106	4197380	4010520	00000000
107	4193720	4013120	00000000
108	4199460	4019700	00000000

APPENDIX N

REDIGITIZED TEST POINTS (CSSCPT3)

IV. G. (CSSCPT3) Redigitized Test Point File

The data (as shown in Appendix N) are after we redigitized the data because of error found in the original digitization. These data were used in conjunction with the modified ATP involving a 50 point test plan (see ATM 78(7922)-1 & -2).

**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.DATA

(CSSCPT3.)

1	4245920	4025900	00000000
2	4245240	4033300	00000000
3	4247500	4033740	00000000
4	4255520	4035660	00000000
5	4258240	4039240	00000000
6	4263620	4046160	00000000
7	4256600	4048660	00000000
8	4247540	4048720	00000000
9	4253140	4059160	00000000
10	4253140	4059140	00000000
11	4250320	4061660	00000000
12	4244900	4068860	00000000
13A	4257950	4071400	00000000
13	4256700	4066980	00000000
14	4252700	4066260	00000000
15	4260480	4071580	00000000
16	4266060	4069020	00000000
17A	4271500	4066320	00000000
17	4268900	4066320	00000000
18	4279520	4066420	00000000
19	4281460	4071780	00000000
20	4283300	4068720	00000000
21	4284820	4063460	00000000
22	4288780	4061140	00000000
23	4284820	4063460	00000000
24	4289600	4070540	00000000
25	4287020	4077080	00000000
26	4273920	4077020	00000000
27	4279260	4084420	00000000
28	4279240	4084400	00000000
29	4273960	4082280	00000000
30	4267620	4087640	00000000
31	4256040	4082320	00000000
32	4256680	4082300	00000000
33	4250140	4086160	00000000
34	4250040	4094720	00000000
35	4254020	4096460	00000000
36	4246520	4107960	00000000
37A	4239220	4109280	00000000
37	4241560	4109080	00000000
38	4251980	4110560	00000000
39	4260800	4104900	00000000
40	4264520	4111900	00000000
41	4267380	4109800	00000000
42	4271780	4119180	00000000
43	4276760	4123420	00000000
44	4284260	4132220	00000000
45	4281820	4131860	00000000
46	4278740	4135300	00000000
47	4278740	4135320	00000000
48	4270340	4142000	00000000
49	4263100	4144340	00000000
50	4268500	4132640	00000000
51	4255260	4135180	00000000
52	4255260	4135200	00000000
53	4249960	4132580	00000000

54	4247600	4124480	00000000
55	4247460	4120460	00000000
56	4241480	4124040	00000000
57	4236800	4128420	00000000
58	4239360	4139620	00000000
59	4233480	4139640	00000000
60	4228920	4137440	00000000
61	4226280	4131620	00000000
62	4236820	4128400	00000000
63	4235340	4124480	00000000
64	4225020	4126500	00000000
65	4226520	4121260	00000000
66	4235680	4116520	00000000
67	4233880	4111260	00000000
68	4226440	4109780	00000000
69	4226440	4109740	00000000
70	4231420	4104400	00000000
71	4231100	4101560	00000000
72	4231100	4101560	00000000
73	4228160	4091780	00000000
74	4228180	4091780	00000000
75	4228160	4091760	00000000
76	4233320	4087320	00000000
77	4233860	4082880	00000000
79	4233860	4082860	00000000
80	4229320	4077360	00000000
81	4229300	4077320	00000000
82	4229320	4077360	00000000
83	4231720	4068160	00000000
84	4231660	4068120	00000000
85	4234300	4064060	00000000
86	4234380	4064020	00000000
87	4223940	4056480	00000000
88	4223620	4063100	00000000
89	4228560	4059240	00000000
90	4234620	4055240	00000000
91	4234600	4055240	00000000
92	4234700	4054100	00000000
93	4230720	4049300	00000000
94	4228740	4046500	00000000
95	4229880	4043800	00000000
96	4237360	4045840	00000000
97	4234720	4038560	00000000
98	4237340	4035980	00000000
99	4234680	4033320	00000000
100	4222800	4033320	00000000
101	4223500	4028020	00000000
102	4215840	4024500	00000000
103	4202860	4021260	00000000
104	4200800	4016400	00000000
105	4199240	4005840	00000000
106	4197380	4010520	00000000
107	4193720	4013120	00000000
108	4199460	4019700	00000000
109	4202860	4021260	00000000
110	4204180	4028960	00000000
111	4208600	4030300	00000000
112	4215120	4036400	00000000
113	4208140	4036500	00000000
114	4215140	4036420	00000000

115	4208140	4036480	00000000
116	4204520	4039140	00000000
117	4204540	4039140	00000000
118	4214780	4048980	00000000
119	4210640	4051140	00000000
120	4214820	4048940	00000000
121	4203140	4054940	00000000
122	4211060	4056540	00000000
123	4216660	4064180	00000000
124	4212700	4067820	00000000
125	4207240	4065000	00000000
126	4207660	4074340	00000000
127	4215980	4077200	00000000
128	4215980	4077220	00000000
129	4207640	4074380	00000000
130	4207660	4079460	00000000
131	4201080	4082040	00000000
132	4203720	4087360	00000000
133	4210980	4086760	00000000
134	4218320	4095320	00000000
135	4218320	4095340	00000000
136	4210300	4097920	00000000
137	4202320	4097880	00000000
138	4203640	4103160	00000000
139	4213000	4105820	00000000
140	4213000	4105820	00000000
141	4219760	4112380	00000000
142	4207620	4113900	00000000
143	4202320	4116500	00000000
144	4207600	4113860	00000000
145	4212200	4121340	00000000
146	4221680	4125360	00000000
147	4221520	4128040	00000000
148	4214480	4129060	00000000
149	4210240	4127120	00000000
150	4206620	4121440	00000000
151	4210240	4127120	00000000
152	4213700	4131880	00000000
153	4214180	4134360	00000000
154	4209260	4137860	00000000
155	4208100	4140620	00000000
156	4197740	4142760	00000000
157	4198240	4148060	00000000
158	4196960	4134900	00000000
159	4196980	4134840	00000000
160	4194300	4131620	00000000
161	4194340	4128280	00000000
162	4194380	4128260	00000000
163	4186940	4125320	00000000
164	4186780	4124940	00000000
165	4191640	4119820	00000000
166	4202300	4116480	00000000
167	4202360	4097880	00000000
168	4192320	4107080	00000000
169	4189640	4105400	00000000
170	4176060	4104960	00000000
171	4168540	4102920	00000000
172	4163860	4097780	00000000
173	4153920	4096480	00000000
174	4158460	4087360	00000000

175	4170000	4093220
176	4168000	4089560
177	4177060	4098380
178	4202300	4097860
179	4191720	4089920
180	4191740	4089940
181	4201040	4082040
182	4171860	4081980
183	4167900	4077600
184	4170580	4063400
185	4178560	4072540
186	4191660	4066060
187	4183800	4066020
188	4188560	4060740
189	4194280	4053500
190	4188360	4052800
191	4183460	4055920
192	4183440	4055940
193	4180560	4048980
194	4171000	4048580
195	4181600	4039380
196	4183760	4031100
197	4185660	4041600
198	4194780	4038840
199	4194720	4038860
200	4204560	4039180

APPENDIX O

REDIGITIZED TEST POINT ALPHANUMERIC FILE (CSSCPT3A)

IV.H. (CSSCPT3A) Redigitized Test Point Alphanumeric File

This data (as shown in Appendix O) is a data base showing the redigitized test points and alternates, the X and Y coordinates, and the phase A and B coordinates. The space as indicated by % % % was to be replaced by the U.S.G.S. map numbers.



**** TSO FOREGROUND HARDCOPY ****

DSNAME=#11911.MISC.DATA

(CSSCPT3A)

1	4245920	4025900	XXX	-2159	329	00000000
2	4245240	4033300	XXX	-1982	348	00000000
3	4247500	4033740	XXX	-1880	428	00000000
4	4255520	4035660	XXX	-1518	713	00000000
5	4258240	4039240	XXX	-1300	838	00000000
6	4263620	4046160	XXX	-861	1096	00000000
7	4256600	4048660	XXX	-1007	869	00000000
8	4247540	4048720	XXX	-1355	525	00000000
9	4253140	4059160	XXX	-678	810	00000000
10	4253140	4059140	XXX	-679	810	00000000
11	4250320	4061660	XXX	-665	707	00000000
12	4244900	4068860	XXX	-505	506	00000000
13A	4257950	4071400	XXX	107	1051	00000000
13	4256700	4066980	XXX	-165	991	00000000
14	4252700	4066260	XXX	-343	823	00000000
15	4260480	4071580	XXX	196	1156	00000000
16	4266060	4069020	XXX	229	1385	00000000
17A	4271500	4066320	XXX	247	1682	00000000
17	4268900	4066320	XXX	176	1495	00000000
18	4279520	4066420	XXX	450	1929	00000000
19	4281460	4071780	XXX	736	2001	00000000
20	4283300	4068720	XXX	635	2101	00000000
21	4284820	4063460	XXX	439	2030	00000000
22	4288780	4061140	XXX	427	2036	00000000
23	4284820	4063460	XXX	439	2030	00000000
24	4289600	4070540	XXX	838	2125	00000000
25	4287020	4077080	XXX	1083	2026	00000000
26	4273920	4077020	XXX	829	1671	00000000
27	4279260	4084420	XXX	1303	1741	00000000
28	4279240	4084400	XXX	1302	1741	00000000
29	4273960	4082280	XXX	1099	1614	00000000
30	4267620	4087640	XXX	1264	1345	00000000
31	4256040	4082320	XXX	671	956	00000000
32	4256680	4082300	XXX	688	981	00000000
33	4250140	4086160	XXX	733	718	00000000
34	4250040	4094720	XXX	1303	689	00000000
35	4254020	4096460	XXX	1519	819	00000000
36	4246520	4107960	XXX	2177	529	00000000
37A	4239220	4109280	XXX	2111	297	00000000
37	4241560	4109080	XXX	2155	371	00000000
38	4251980	4110560	XXX	2457	686	00000000
39	4260800	4104900	XXX	2190	981	00000000
40	4264520	4111900	XXX	2654	1030	00000000
41	4267380	4109800	XXX	2547	1122	00000000
42	4271780	4119180	XXX	3068	1143	00000000
43	4276760	4123420	XXX	3257	1211	00000000
44	4284260	4132220	XXX	3569	1269	00000000
45	4281820	4131860	XXX	3576	1230	00000000
46	4278740	4135300	XXX	3733	1145	00000000
47	4278740	4135320	XXX	3734	1145	00000000
48	4270340	4142000	XXX	4064	939	00000000
49	4263100	4144340	XXX	4240	783	00000000
50	4268500	4132640	XXX	3732	965	00000000
51	4255260	4135180	XXX	4003	659	00000000
52	4255260	4135200	XXX	4004	659	00000000
53	4249960	4132580	XXX	3932	544	00000000

54	8600	4124480	XXX	3420	537	00000000
55	47460	4120460	XXX	3128	519	00000000
56	4241480	4124040	XXX	3357	348	00000000
57	4236800	4128420	XXX	3669	220	00000000
58	4239360	4139620	XXX	4481	277	00000000
59	4233480	4139640	XXX	4593	139	00000000
60	4228920	4137440	XXX	4274	29	00000000
61	4226280	4131620	XXX	3636	-46	00000000
62	4236820	4128400	XXX	3668	220	00000000
63	4235340	4124480	XXX	3303	181	00000000
64	4225020	4126500	XXX	3127	-91	00000000
65	4226520	4121260	XXX	2729	-65	00000000
66	4235680	4116520	XXX	2622	189	00000000
67	4233880	4111260	XXX	2119	131	00000000
68	4226440	4109780	XXX	1714	-101	00000000
69	4226440	4109740	XXX	1710	-101	00000000
70	4231420	4104400	XXX	1454	43	00000000
71	4231100	4101560	XXX	1207	26	00000000
72	4231100	4101560	XXX	1207	26	00000000
73	4228160	4091780	XXX	298	-104	00000000
74	4228180	4091780	XXX	299	-104	00000000
75	4228160	4091760	XXX	297	-104	00000000
76	4233320	4087320	XXX	190	75	00000000
77	4233860	4082880	XXX	-102	86	00000000
79	4233860	4082860	XXX	-103	86	00000000
80	4229320	4077360	XXX	-691	-110	00000000
81	4229300	4077320	XXX	-694	-111	00000000
82	4229320	4077360	XXX	-691	-110	00000000
83	4231720	4068160	XXX	-1140	-42	00000000
84	4231660	4068120	XXX	-1145	-44	00000000
85	4234300	4064060	XXX	-1239	52	00000000
86	4234380	4064020	XXX	-1237	55	00000000
87	4223940	4056480	XXX	-2145	-395	00000000
88	4223620	4063100	XXX	-1844	-393	00000000
89	4228560	4059240	XXX	-1772	-199	00000000
90	4234620	4055240	XXX	-1653	38	00000000
91	4234600	4055240	XXX	-1654	37	00000000
92	4234700	4054100	XXX	-1699	38	00000000
93	4230720	4049300	XXX	-2089	-134	00000000
94	4228740	4046500	XXX	-2290	-217	00000000
95	4229880	4043800	XXX	-2326	-177	00000000
96	4237360	4045840	XXX	-1905	116	00000000
97	4234720	4038560	XXX	-2267	-6	00000000
98	4237340	4035980	XXX	-2229	81	00000000
99	4234680	4033320	XXX	-2418	-20	00000000
100	4222800	4033320	XXX	-2945	-440	00000000
101	4223500	4028020	XXX	-3021	-409	00000000
102	4215840	4024500	XXX	-3398	-649	00000000
103	4202860	4021260	XXX	-3922	-1015	00000000
104	4200800	4016400	XXX	-4006	-1031	00000000
105	4199240	4005840	XXX	-4068	-986	00000000
106	4197380	4010520	XXX	-4115	-1066	00000000
107	4193720	4013120	XXX	-4213	-1173	00000000
108	4199460	4019700	XXX	-4041	-1093	00000000
109	4202860	4021260	XXX	-3922	-1015	00000000
110	4204180	4028960	XXX	-3828	-1038	00000000
111	4208600	4030300	XXX	-3631	-909	00000000
112	4215120	4036400	XXX	-3241	-719	00000000
113	4208140	4036500	XXX	-3574	-964	00000000
114	4215140	4036420	XXX	-3240	-719	00000000

115	4208140	4036480	%%%	-3574	-963	00000000
116	4204520	4039140	%%%	-3711	-1106	00000000
117	4204540	4039140	%%%	-3710	-1105	00000000
118	4214780	4048980	%%%	-2943	-767	00000000
119	4210640	4051140	%%%	-3112	-936	00000000
120	4214820	4048940	%%%	-2942	-766	00000000
121	4203140	4054940	%%%	-3448	-1246	00000000
122	4211060	4056540	%%%	-2890	-924	00000000
123	4216660	4064180	%%%	-2187	-679	00000000
124	4212700	4067820	%%%	-2223	-829	00000000
125	4207240	4065000	%%%	-2731	-1067	00000000
126	4207660	4074340	%%%	-2115	-993	00000000
127	4215980	4077200	%%%	-1417	-644	00000000
128	4215980	4077220	%%%	-1416	-644	00000000
129	4207640	4074380	%%%	-2114	-993	00000000
130	4207660	4079460	%%%	-1741	-949	00000000
131	4201080	4082040	%%%	-1922	-1160	00000000
132	4203720	4087360	%%%	-1335	-1008	00000000
133	4210980	4086760	%%%	-979	-761	00000000
134	4218320	4095320	%%%	108	-438	00000000
135	4218320	4095340	%%%	110	-438	00000000
136	4210300	4097920	%%%	-90	-685	00000000
137	4202320	4097880	%%%	-517	-933	00000000
138	4203640	4103160	%%%	3	-838	00000000
139	4213000	4105820	%%%	726	-537	00000000
140	4213000	4105820	%%%	726	-537	00000000
141	4219760	4112380	%%%	1636	-293	00000000
142	4207620	4113900	%%%	1122	-628	00000000
143	4202320	4116500	%%%	1038	-744	00000000
144	4207600	4113860	%%%	1118	-629	00000000
145	4212200	4121340	%%%	1991	-453	00000000
146	4221680	4125360	%%%	2858	-183	00000000
147	4221520	4128040	%%%	3075	-178	00000000
148	4214480	4129060	%%%	2730	-351	00000000
149	4210240	4127120	%%%	2322	-466	00000000
150	4206620	4121440	%%%	1673	-595	00000000
151	4210240	4127120	%%%	2322	-466	00000000
152	4213700	4131880	%%%	2882	-355	00000000
153	4214180	4134360	%%%	3079	-332	00000000
154	4209260	4137860	%%%	2955	-427	00000000
155	4208100	4140620	%%%	3020	-437	00000000
156	4197740	4142760	%%%	2470	-638	00000000
157	4198240	4148060	%%%	2727	-594	00000000
158	4196960	4134900	%%%	2010	-712	00000000
159	4196980	4134840	%%%	2003	-712	00000000
160	4194300	4131620	%%%	1657	-794	00000000
161	4194340	4128280	%%%	1446	-822	00000000
162	4194380	4128260	%%%	1447	-321	00000000
163	4186940	4125320	%%%	850	-1001	00000000
164	4186780	4124940	%%%	816	-1008	00000000
165	4191640	4119820	%%%	709	-962	00000000
166	4202300	4116480	%%%	1035	-745	00000000
167	4202360	4097880	%%%	-515	-932	00000000
168	4192320	4107080	%%%	-250	-1091	00000000
169	4189640	4105400	%%%	-516	-1175	00000000
170	4176060	4104960	%%%	-1113	-1452	00000000
1						

175	4168000	4093220	XXX	-2248	-1742	00000000
176	4168000	4089560	XXX	-2528	-1796	00000000
177	4177060	4098380	XXX	-1600	-1531	00000000
178	4202300	4097860	XXX	-520	-934	00000000
179	4191720	4089920	XXX	-1740	-1341	00000000
180	4191740	4089940	XXX	-1737	-1340	00000000
181	4201040	4082040	XXX	-1925	-1162	00000000
182	4171860	4081980	XXX	-3066	-1871	00000000
183	4167900	4077600	XXX	-3437	-1975	00000000
184	4170580	4063400	XXX	-4382	-2121	00000000
185	4178560	4072540	XXX	-3766	-1951	00000000
186	4191660	4066060	XXX	-3729	-1698	00000000
187	4183800	4066020	XXX	-4220	-1981	00000000
188	4188560	4060740	XXX	-4248	-1855	00000000
189	4194280	4053500	XXX	-4051	-1590	00000000
190	4188360	4052800	XXX	-4405	-1795	00000000
191	4183460	4055920	XXX	-4634	-1992	00000000
192	4183440	4055940	XXX	-4635	-1993	00000000
193	4180560	4048980	XXX	-4667	-1932	00000000
194	4171000	4048580	XXX	-4712	-2038	00000000
195	4181600	4039380	XXX	-4592	-1759	00000000
196	4183760	4031100	XXX	-4505	-1597	00000000
197	4185660	4041600	XXX	-4498	-1704	00000000
198	4194780	4038840	XXX	-4161	-1419	00000000
199	4194720	4038860	XXX	-4163	-1421	00000000
200	4204560	4039180	XXX	-3708	-1105	00000000

APPENDIX P

200 POINT LOCATION PLAN

This plan (as shown in Appendix P) details the locations for each test point as written in the original Acceptance Test Plan.

CSS VEHICLE LOCATION ACCEPTANCE TEST LOCATIONS

Ref # - Map Page	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed 1 2
1 - 76	Livingston Dr. 2nd St.	x=4245900 y=4025960	Proceed to test point		
2 - 76	Anaheim St. Ximeno Ave.	x=4245220 y=4033320	N, L on 10th St; R on Redondo Ave., R on Anaheim to Ximeno		
3 - 76	PCH Clark Ave.	x=4247500 y=4033760	N to PCH, R on PCH to Clark		
4 - 76	Atherton St. Palo Verde	x=4255460 y=4035260	N on Clark, R on Atherton to Palo Verde		
5 - 76	Studebaker Rd. El Salvador St.	x=4258020 y=4038760	N on Palo Verde, R on Stearns St, L on Studebaker to El Salvador		
6 - 81	SGR-Fwy (605) Wardlow Rd.	x=4263540 y=4045700	N, R on Willow, L on 605 to Wardlow		
7 - 71	Los Coyotes Dia. Conant St.	x=4256480 y=4048280	N on 605, W on Car- son, L on Los Coyotes Dia. to Conant St.		
8 - 71	Conant St. Clark Ave.	x=4247540 y=4048820	W on Conant St. to Clark Ave.		
9 - 71	Candlewood St. Fanwood Ave.	x=4253040 y=4058640	N on Clark, R on Del Amo Blvd., L on Woodruff to Candle- wood, R to Fanwood		
10 - 71	Candlewood St. Fanwood Ave.	x=4253020 y=4058660	W on Candlewood, L on Bellflower, L on Hardwick, L on Fan- wood to Candlewood		
11 - 71	Bellflower Blvd. South St.	x=4250280 y=4061320	N on Woodruff, L on South to Bellflower		
12 - 66	Lakewood Blvd. Walnut St.	x=4244960 y=4068840	W on South, R on Lakewood, R on Laurel, R on Vir- ginia, R on Walnut to Lakewood		
13 - 66	Artesin Fwy (91) SGR-Fwy 605	x=4256540 y=4066560	on Lakewood, E on 91 to 605 Stop on Ramp, just after separation from N to S		

Ref. #	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed
Ma Page				1	2
14 - 66	Woodruff Ave. Artesia Blvd.	x=4252600 y=4065740	S on 605, off at South St., W on South, R on Woodruff to Artesia Blvd.		
15 - 66	Alondra Blvd. East Dr. (Gridley Rd)	x=4260500 y=4071500	N on Woodruff, R on Alondra to East Dr.		
16 - 82	Norwalk Blvd 166th St.	x=4266120 y=4069040	E on Alondra, R on Pioneer, E on Artesia Fwy, N on Norwalk to 166th St.		
17 - 82	Artesia Blvd. Bloomfield Ave.	x=4268720 y=4065900	N on Norwalk, R on Alondra, R on Bloom- field to Artesia		
18 - 82	Artesia Blvd. Valley View Ave.	x=4279400 y=4065920	E on Artesia to Village View		
19 - 82	Phoebe Ave. Alondra Blvd.	x=4281480 y=4071720	N on Valley View, R on Alondra to Phoebe		
20 - 83	Lemont Ave. Between Desman Rd. & Santa Ana Fwy.	x=4283280 y=4068720	E on Alondra, R on Lemont Ave. to desig- nated location		
21 - 83	Knott Ave. 9th St.	x=4284680 y=4063040	S on Lemont, L on Fire- stone Blvd., R on Knott to 9th St.		
22-10 OR	Orangethorpe Ave. Beach Blvd.	(guessed, no map) x=4289000 y=4060800	E on 9th St., R on Beach Blvd. to Orange- thorpe		
23 - 83	Knott Ave. 9th St.	x=4284740 y=4063040	W on Orangethorpe, R on Western Ave., L on 9th St. to Knott		
24 - 83	Beach Blvd. La Mirada Blvd.	(guessed, no map) x=4290500 y=4070220	N on Knott, R on Artesia Blvd., L on Beach Blvd., to La Mirada		
25 - 83	Alicante Rd. Adelfa Dr.	x=4287000 y=4077020	N on La Mirada, R on Alicante to Adelfa		
26 - 82	Carmenita Rd. Rosecrans Ave.	x=4274020 y=4077060	S on Adelfa, R on Rose- crans to Carmenita		
27 - 61	Leffingwell Rd. Valley View Ave.	x=4279320 y=4084360	N on Carmenita, R on Imperial Ave., L on Valley View to Leffing- well		

Ref. # Map Page	Street Location	X-Y Coord. (given)	Instructions	X-Y Coord. (measured)	Missed 1 2	
28 - 61	Leffingwell Rd. Valley View Rd.	x=4279360 y=4084400	N on Valley View, R on Telegraph Rd., R on Leffingwell to Valley View			
29 - 61	Imperial Hwy. Carmenita Rd.	x=4273980 y=4082320	S on Valley View, R on Imperial to Carmenita			
30 - 61	Lakeland Rd. between Bloom- field Ave. and Norwalk Blvd.	x=4267700 y=4087640	W on Imperial, R on Bloomfield, L on Lake- land to designated location-there's an access road there			
31 - 60	SGR - Fwy (605) Firestone Blvd.	x=4256360 y=4085280	W on Lakeland, L on Norwalk, R on Imperial, N on SA-Fwy, S on SGR-Fwy. to Firestone Blvd.			
32 - 60	SGR-Fwy (605) Firestone Blvd.	x=4256380 y=4085260	SE on Firestone, R on Imperial, N on SGR-Fwy, to Firestone			
33 - 60	Bellflower Blvd. Stuart & Gray Rd.	x=4250100 y=4086220	NW on Firestone, L on Lakewood, L on Bell- flower to Stuart & Gray			
34 - 60	Downey Ave. Florence Ave.	x=4250020 y=4094680	W on Stuart & Gray, R on Downey to Florence			
35 - 60	Lakewood Blvd. between SA-Fwy and Gallatin Rd.	x=4254080 y=4096400	E on Florence, L on Lakewood to designated location, just at on ramp			
36 - 54	Telegraph Rd. Garfield Ave.	x=4246560 y=4107960	N on Lakewood, L on Telegraph to Garfield			
37 - 54	6000 Bandini Blvd.	x=4241860 y=4109000	S on Garfield, R on Bandini to designated location			
38 - 54	Washington Blvd. Greenwood Ave.	x=4251940 y=4110620	W on Bandini, S on Eastern Ave., L on Gage Ave, R on Slauson, L on Telegraph, R on Green- wood to Washington			
39 - 54	Washington Blvd. Passons Blvd.	x=4260720 y=4104920	E on Washington to Passons			
40 - 55	Passons Blvd. Whittier Blvd.	x=4264480 y=4111880	N on Passons L on Balfour, L on Lindsay R on Crossway, R on Rosemead, R on Whittier to Passons			

Ref. # Map Page	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Whi Misse 1 2
41 - 53	Whittier Blvd. SGR-Fwy (605)	x=4267000 y=4110060	SE on Whittier under SGR-Fwy		
55	SGR-Pkwy Rose Hills Rd.	x=4271820 y=4119100	N on SGR-Fwy, W on Beverly Blvd., R on SGR-Pkwy, R on Rose Hills, go under freeway		
43 - 47	Peck Rd. Rooks Rd.	x=4276860 y=4123280	SE on Rose Hills, L on Workman Hill Rd., L on Peck to Rooks Rd.		
44 - 48	Parkway Dr. Dahlia Ave.	x=4284460 y=4132080	N on Peck, straight on Durfee Ave., R on Pineville, L on Parkway to Dahlia		
45 - 47	Durfee Ave. Elliott Ave.	x=4281960 y=4131880	NW on Dahlia Ave., L on Durfee to Elliott		
46 - 47	Garvey Ave. Peck Rd.	x=4279000 y=4135200	NW on Elliott, L on Mountain View Rd., R on Peck to Garvey		
47 - 47	Garvey Ave. Peck Rd.	x=4278980 y=4135200	N on Peck, R on Valley Blvd., R on Garvey to Peck		
48-38	Mission Blvd. Temple City Blvd.	x=4270520 y=4141940	W on Garvey, R on Tyler Ave., L on Brookway onto SB-Fwy (10), N on Temple City Blvd. to Mission		
49 - 38	Walnut Grove Ave.	x=4263260 y=4144440	W on Mission to Walnut Grove		
50 - 47	Rosemead Blvd between Rush St. at Klingerman	x=4268620 y=4132660	S on Walnut Grove, L on Garvey, R on Rosemead to designated location		
51 - 46	Garvey Ave. New Ave.	x=4255320 y=4135280	N on Rosemead, L on Garvey, R on Alhambra, R on Emerson, R on New to Garvey		
52 - 46	Garvey Ave. New Ave.	x=4255300 y=4135260	W on Garvey, L on Alham- bra, L on Graves, L on ew to Garvey		
53 - 46	Garfield Ave. Graves Ave.	x=4250140 y=4132620	W on Garvey, L on Alham bra, R on Graves to Garfiel		
54 - 46	Garfield Ave. Pomona Fwy (60)	x=4248560 y=4124600	S on Garfield, go under freeway		

Ref # - Map Page	Street Location	X-Y Coord. (given)	Instructions	X-Y Coord. (measured)	Missed
55 - 46	Beverly Blvd. Garfield Ave.	x=4247360 y=4120800	S on Garfield to Beverly		
56 - 45	Beverly Blvd. Atlantic Blvd.	x=4241440 y=4124180	NW on Beverly to Atlantic		
57 - 45	Floral Dr. LB Fwy (7)	x=4236780 y=4128520	N on Atlantic, W on Pomona Fwy, N on LB Fwy to Floral Dr.		
58 - 36	LB Fwy (7) Valley Blvd.	x=4239360 y=4139720	N on LB Fwy to Valley Blvd.		
59 - 36	Eastern Ave. Klamath St.	x=4233440 y=4139900	W on Valley Blvd, R on Alhambra Ave., L on Druid St., R on Eastern to Klamath		
60 - 36	Soto St. Multnomah	x=4228920 y=4137560	W on Klamath, L on Riche- lieu, R on Druid into Multnomah to Soto		
61 - 45	Soto St. Wabash Ave.	x=4226180 y=4131740	S on Soto to Wabash		
62 - 45	Floral Dr. LB Fwy (7)	x=4236800 y=4128500	E on Wabash into City Terrace Dr., R on Eastern, L on Floral to LB Fwy.		
63 - 45	Eastern Ave. 3rd St.	x=4235340 y=4124600	W on Floral, L on Eastern to 3rd St.		
64 - 45	Mott St. 4th St.	x=4225060 y=4126600	W 3rd St. into 4th St., stop at Mott St.		
65 - 45	Lorena St. Santa Ana Fwy (5)	x=4226480 y=4121380	S on Mott, L on Whittier, R on Lorena to SA Fwy		
66 - 53	Long Beach Fwy (7) RR Tracks	x=4235660 y=4116560	S on Lorena, L on 8th St., L on Calzona, E on SA Fwy, S on LB Fwy to designated location (first tracks)		
67 - 53	Long Beach Fwy (7) Atlantic Blvd.	x=4233860 y=4111320	S on LB Fwy to Atlantic Blvd exit		
68 - 53	Maywood Ave. 55th St.	x=4226400 y=4109820	S on Atlantic, R on 55th St. to Maywood		

Ref # - Map Page	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Wh Misse 1 2
69 - 53	Maywood Ave. 55th St.	x=4226420 y=4109820	N on Maywood, R on 53rd St., R on Carmelita Ave., R on 55th St. to Maywood		
70 - 53	Gage Ave. Atlantic Blvd.	x=4231340 y=4104280	S on Maywood, L on Gage to Atlantic		
71 - 53	Atlantic Blvd. Florence Ave.	x=4231040 y=4101700	S on Atlantic to Florence		
72 - 53	Atlantic Blvd. Florence Ave.	x=4231020 y=4101680	W on Florence, L on Otis St., L on Clara St., L on Atlantic to Florence		
73 - 59	Tweedy Blvd. Otis St.	x=4228140 y=4091900	S on Atlantic, R on Santa Ana St., L on Otis to Tweedy		
74 - 59	Tweedy Blvd. Otis St.	x=4228120 y=4091900	W on Tweedy, L on California, L on Michigan, L on Otis to Tweedy		
75 - 59	Tweedy Blvd. Otis St.	x=4228120 y=4091880	S on Otis, R on Michigan, R on California, R on Tweedy to Otis		
76 - 59	Long Beach Fwy(7) Imperial Hwy	x=4233500 y=4087200	S on Otis St., L on Imperial to Long Beach Fwy		
77 - 59	Long Beach Fwy(7) Century Blvd.	x=4233860 y=4082920	S on Long Beach Fwy to Century Blvd. exit		
78 - 59	Bullis Rd. Century Blvd.	x=4227780 y=4086180	S on Check Ave. at Century R on Courtland Ave., R on Bullis to Century		
79 - 59	Long Beach Fwy (7) Century Blvd.	x=4233880 y=4082900	E on Century to Long Beach Fwy		
80 - 65	Atlantic Ave. Rosecrans Ave.	x=4229240 y=4077420	S on Check Ave., R on Courtland, L on Atlantic to Rosecrans		
81 - 65	Atlantic Ave. Rosecrans Ave.	x=4229220 y=4077460	E on Rosecrans, N on Long Beach Fwy, exit immediately on Rosecrans, W to Atlantic		

Ref #	Map Page	Street Location	X-Y Coord. (given)	Instructions	(Catal) X-Y Coord. (measured)	Link Which Missed 1 2
82 - 65		Atlantic Ave. Rosecrans Ave.	x=4229240 y=4077400	W on Rosecrans, L on Long Beach Blvd., L on Atlantic to Rosecrans		
83 - 65		Atlantic Ave. Penfold St.	x=4231740 y=4068000	S on Atlantic to Penfold St.		
84 - 65		Atlantic Ave. Penfold St.	x=4231740 y=4067920	S on Atlantic, L on Artesia Blvd., L on Orange Ave., L on 70th St., L on Atlantic to Penfold		
85 - 65		Orange Ave. between Harding St. & 61st St.	x=4234260 y=4063720	E on Penfold, R on Orange to designated location		
86 - 65		Orange Ave. between Harding St. & 61st St.	x=4234260 y=4063740	E on Harding, L on Cherry, L on 65th St., L on Orange to designated location		
87 - 70		Del Amo Blvd. Santa Fe Ave.	x=4223900 y=4056580	S on Orange, R on Del Amo to Santa Fe		
88 - 70		Victoria St. Santa Fe Ave.	x=4223560 y=4063100	N on Santa Fe Ave. to Victoria St.		
89 - 70		Market St. Long Beach Blvd.	x=4228360 y=4059320	E on Victoria, R on Long Beach Blvd. to Market St		
90 - 70		Orange Ave. Cerritos Dr.	x=4234540 y=4055240	S on Long Beach Blvd., L on San Antonio Dr., L on Cerritos Dr. to Orange		
91 - 70		Orange Ave. Cerritos Dr.	x=4234500 y=4055240	Drive clockwise around circle twice and stop		
92 - 70		Orange Ave. Goldfield Ave.	x=4234640 y=4053880	Drive counter clockwise on Cerritos into Banner Dr. R on San Antonio Dr., R on Garfield to Orange		
93 - 70		Bixby Rd. Long Beach Blvd.	x=4230660 y=4049340	S on Orange, R on Bixby t. Long Beach Blvd.		
94 - 70		Wardlow Rd. Pacific Pl.	x=4228660 y=4046480	S on Long Beach Blvd, R on Wardlow to Pacific Pl.		

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Ref. # -		X-Y Coord.		(Octal)	Link Wh
Map Page	Street Location	(given)	Instructions	X-Y Coord. (measured)	Misse 1 2
95 - 70	Spring St. Railroad Tracks	x=4229820 y=4043820	S on Pacific Pl. into Pacific Ave., L on Spring to RR tracks		
96 - 70	Cherry Ave. between SD Fwy and Wardlow Rd.	x=4237340 y=4045760	E on Spring St., L on Cherry to designated location		
97 - 75	Orange Ave. Hill St.	x=4239660 y=4038540	N on Cherry, L on Ward- low Rd., L on Orange to Hill St.		
98 - 75	PC Hwy (1) Cherry Ave.	x=4237240 y=4036000	S on Orange, L on Pacific Coast Hwy to Cherry Ave.		
99 - 75	Anaheim St. Orange Ave.	x=4234700 y=4033280	S on Cherry, L on 4th St. R on Orange to Anaheim St.		
100 - 75	Santa Fe Ave. Anaheim St.	x=4222800 y=4033380	W on Anaheim, N on Long Beach Fwy to PCH, S on LB Fwy at PCH, W on Anaheim to Santa Fe Ave.		
101 - 75	Water St. Ontario Ave.	x=4223440 y=4027980	S on Santa Fe, L on 9th St. R on Pico Ave., R on Ocean Blvd, R onto Ontario to Water St.		
102 - 74	Henry Ford Ave. Ocean Blvd.	x=4215600 y=4024400	S on Ontario, R on Ocean to Henry Ford Ave.		
103 - 79	Front St. Ocean Blvd.	x=4202840 y=4021320	W on Ocean to Front St.		
104 - 79	Pacific Ave. 9th St.	x=4200760 y=4016380	S on Front St., R on 9th St. to Pacific Ave.		
105 - 78	Gaffey St. Shepard St.	x=4200680 y=4005780	S on Pacific, R on Shepard to Gaffey St.		
106 - 78	Alma St. 27th St.	x=4197280 y=4010380	W on Paseo Del Mar, R on Walker, R at "Tee" to Alma and 27th St.		
107 - 78	Western Ave. 19th St.	x=4193700 y=4013080	N on Alma St., L on 19th to Western Ave.		

Ref. # - Map Page	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed	
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108 - 78	Gaffey St. Sepulveda St.	x=4199400 y=4019780	N on Western, R on 9th St., L on Gaffey to Sepulveda St.			
109 - 79	Front St. Ocean Blvd.	x=4202820 y=4021300	N on Gaffey, R into Ocean Blvd. (Rte. 47). to Front St.			
110 - 74	John Gibson Blvd. (B St.) Hawaiian Ave.	x=4204320 y=4028840	N on Front, R on Pacific Ave., R on John Gibson Blvd., to Hawaiian Ave.			
111 - 74	D St. Avalon Blvd.	x=4208740 y=4030160	E on B St., L on Avalon to D St.			
112 - 74	Alameda St. PC Hwy (1)	x=4215080 y=4036280	N on Avalon, R on Anaheim St., L on Alameda to PC Hwy			
113 - 74	PC Hwy (1) Avalon Blvd.	x=4208380 y=4036380	W on PC Hwy to Avalon			
114 - 74	PC Hwy (1) Alameda St.	x=4215080 y=4036300	E on PC Hwy to Alameda			
115 - 74	PC Hwy (1) Avalon Blvd.	x=4208360 y=4036380	W on PC Hwy to Avalon Blvd.			
116 - 74	Lomita Blvd. Main St.	x=4204600 y=4039200	N on Avalon Blvd., L on Lomita to Main St.			
117 - 74	Lomita Blvd. Main St.	x=4204680 y=4039180	W on Lomita, R on Figueroa St., R on Sepulveda, R on Avalon, R on Lomita to Main St.			
118 - 69	Wilmington Ave. SD Fwy(405)	x=4214760 y=4048920	N on Main St., R on Sepulveda Blvd., L on Wilmington to SD Fwy (under Fwy)			
119 - 69	Carson St. SD Fwy (405)	x=4210800 y=4051120	N on SD Fwy, exit at Carson St.			
120 - 69	SD Fwy(405) Wilmington Ave.	x=4214760 y=4048860	E on Carson, R on Wilmington Ave., to SD Fwy			

Ref. #	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed
Map Page					1 2
121 - 69	Torrance Blvd. Main St.	x=4203300 y=4054940	S on Wilmington, R on 23rd St., R on Main St. to Torrance Blvd.		
122 - 69	Del Amo Blvd. Tillman Ave.	x=4211260 y=4056520	N on Main St., S on SD Fwy, N on Avalon, R on Del Amo to Tillman		
123 - 64	Wilmington Ave. Victoria St.	x=4216600 y=4064180	E on Del Amo Blvd. L on Wilmington to Victoria St.		
124 - 64	Central Ave. Rail Road Tracks	x=4212720 y=4067900	N on Wilmington, L on Greenleaf Blvd., L on Central to RR tracks (no RR tracks on map)		
125 - 64	Avalon Blvd. between Artesin Fwy & Victoria	x=4207360 y=4064920	S on Central Ave., R on Walnut St., L on Avalon to designated location		
126 - 64	Avalon Blvd. Compton Blvd.	x=4207580 y=4074260	N on Avalon to Compton Blvd.		
127 - 64	Rosecrans Ave. Wilmington Ave.	x=4215980 y=4077140	E on Compton, L on Wilmington to Rosecrans Ave.		
128 - 64	Rosecrans Ave. Wilmington Ave.	x=4216000 y=4077140	E on Rosecrans, R on Alameda, R on Compton R on Wilmington to Rosecrans		
129 - 64	Compton Blvd. Avalon Blvd.	x=4207640 y=4074280	W on Rosecrans, L on Avalon to Compton Blvd.		
130 - 64	Avalon Blvd. 135th St.	x=4207560 y=4079360	W on Compton, R on Broadway, R on 135th St. to Avalon		
131 - 58	El Segundo Blvd. Hoover St.	x=4201020 y=4082000	N on Avalon, L on El Segundo to Hoover St.		
132 - 58	Imperial Hwy Broadway	x=4203660 y=9087220	N on Hoover St., R on Imperial to Broadway		

Ref #	Map Page	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed 1 2
133 - 58		Imperial Hwy Central Ave.	x=4210960 y=4086780	N on Broadway, R on 108th St., R on Central Ave. to Imperial Hwy		
134 - 58		92nd St. Alameda St.	x=4218380 y=4095260	E on Imperial Hwy, L on Alameda St. to 92nd St.		
135 - 58		92nd St. Alameda St.	x=4218360 y=4095320	N on Alameda, R on Firestone, R on Santa Fe Ave., R on Southern Ave. into 92nd and Alameda		
136 - 58		Firestone Blvd. Central Ave.	x=4210400 y=4097840	W on 92nd St., R on Hooper, L on Firestone to Central Ave.		
137 - 58		(Manchester) Firestone Blvd. Figueroa St.	x=4202340 y=4097840	W on Firestone under Freeway to Figueroa		
138 - 52		Florence Ave. Broadway	x=4203700 y=4103100	N on Harbor Fwy (11) to Florence Ave., E on Florence to Broadway		
139 - 52		Gage Ave. Compton Ave.	x=4212920 y=4105780	E on Florence, L on San Pedro St., R on Gage to Compton Ave.		
140 - 52		Gage Ave. Compton Ave.	x=4212920 y=4105800	E on Gage, R on Wilmington, R on Florence, R on Compton to Gage		
141 - 52		Pacific Blvd. Chambers St.	x=4219600 y=4112900	N on Compton Ave., R on Vernon Ave. into Paci- fic Blvd. to Chambers St.		
142 - 52		Vernon Ave. Avalon Blvd.	x=4207680 y=4113760	S on Pacific Blvd., R on 49th St., R on Avalon to Vernon Ave.		
143 - 52		Santa Barbara Ave. Figueroa St.	x=4202340 y=4116380	S on Avalon, R on 49th St., R on Figueroa to Santa Barbara Ave.		

Ref. # - Map Page	Street Location	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed 1 2
144 - 52	Vernon Ave. Avalon Blvd.	x=4207660 y=4113740	E on Santa Barbara, R on Central, R on Vernon to Avalon		
145 - 44	Washington Blvd. Central Ave.	x=4212060 y=4121340	N on Avalon, R on Adams Blvd., L on Central to Washington Blvd.		
146 - 44	Whittier Blvd. Santa Monica Fwy	x=4221640 y=4125360	E on Wilmington Blvd. L on Alameda, E on SM Fwy to Whittier Blvd.		
147 - 44	4th St. Boyle Ave.	x=4221400 y=4128040	W on Whittier Blvd., R on Mateo St., R on 4th St., to Boyle Ave.		
148 - 44	4th St. San Pedro St.	x=4214440 y=4129140	N on Boyle Ave., L on 4th St., L on Garey St., R on 3rd St., L on Alameda, R on 4th St. to San Pedro		
149 - 44	Main St. Olympic Blvd.	x=4210220 y=4127060	S on San Pedro St., R on 7th St., L on Main St. to Olympic Blvd.		
150 - 44	Main St. Adams Blvd.	x=4206640 y=4121380	S on Main St. to Adams Blvd.		
151 - 44	Main St. Olympic Blvd.	x=4210300 y=4127080	W on Adams, R on Figueroa St., R on Olympic to Main St.		
152 - 44	Broadway 1st St.	x=4213600 y=4131900	W on Olympic, R on Broadway to 1st St.		
153 - 44	Sunset Blvd. Grand Ave.	x=4214140 y=4134420	W on 1st, R on Grand to Sunset Blvd.		
154 - 44	Echo Park Ave. Bellevue Ave.	x=4209460 y=4137720	N on Sunset, L on Bellevue to Echo Par. Ave.		
155 - 35	Alvarado St. Sunset Blvd.	x=4208340 y=4140580	N on Echo Park Ave., L on Park Ave., L on Sunset Blvd. to Alvarado		

Ref # -	Street Location	X-Y Coord.	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed
Map Page		(given)			1 2
156 - 34	Melrose Ave. Hollywood Fwy (101)	x=4197800 y=4142620	S on Alvarado St., NW on Hollywood Fwy to Melrose Ave.		
157 - 34	Edgemont St. Sunset Blvd.	x=4198360 y=4147920	E on Melrose, L on Edgement St. to Sunset Blvd.		
158 - 43	Wilshire Blvd. Normandie Ave.	x=4197020 y=4134760	W on Sunset, L on Normandie Ave., to Wilshire Blvd.		
159 - 43	Wilshire Blvd. Normandie Ave.	x=4197020 y=4134780	S on Normandie, L on 8th St., L on Alvarado, L on 6th, L on Normandie to Wilshire		
160 - 43	Western Ave. Olympic	x=4194440 y=4131540	S on Normandie Ave., R on Olympic to Western Ave.		
161 - 43	Venice Blvd. Western Ave.	x=4194380 y=4128220	S on Western to Venice		
162 - 43	Venice Blvd. Western Ave.	x=4194340 y=4128220	W on Venice, L on Arlington Ave., L on Adams, L on Norman- die, L on Venice to Western		
163 - 43	Crenshaw Blvd. Santa Monica Fwy	x=4187020 y=4125320	S on Western, W on Santa Monica Fwy to Crenshaw (N of Fwy)		
164 - 43	Crenshaw Blvd. Santa Mónica Fwy	x=4186840 y=4125100	S on Crenshaw - under Freeway		
165 - 43	Arlington Ave. 37th Place	x=4191700 y=4119780	S on Crenshaw, L on Jefferson Blvd., R on Arlington to 37th Place		
166 - 52	Figueroa St. Santa Barbara Ave.	x=4202380 y=4116400	S on Arlington, L on Santa Barbara to Figueroa		

Ref. # - Map Page	Street Locations	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord (measured)	Link Which Missed 1 2
167 - 52	Figueroa St. Manchester Ave.	x=4202340 y=4097820	W on Santa Barbara, L on Hoover, L on Man- chester to Figueroa St.		
168 - 51	60th St. Hyde Park Blvd.	x=4192300 y=4107080	W on Manchester, R on Normandie Ave., L on 60th St. to Hyde Park Blvd.		
169 - 51	7th Ave. Hyde Park Blvd.	x=4189640 y=4105420	SW on Hyde Park Blvd. to 7th Ave.		
170 - 50	La Tijera Blvd. Knowlton St.	x=4174960 y=4103660	W on Hyde Park into Fairview Blvd, L on La Tijera Blvd. to Knowlton St.		
171 - 50	Sepulveda Blvd. 74th St.	x=4168560 y=4102840	SW on La Tijera, R on 79th St into 80th St., R on Sepulveda to 74th St		
172 - 56	Manchester Ave. McConnell Ave.	x=4163840 y=4097760	W on 80th St., L at McConnell to Man- chester		
173 - 55A	Manchester Ave. Pershing Dr.	x=4153900 y=4096540	W on Manchester to Pershing Dr.		
174 - 55A	Imperial Hwy Pershing Dr.	x=4161880 y=4087440	S on Pershing Dr. to Imperial Hwy		
175 - 56	Sepulveda Blvd. Hyatt La. (98th St)	x=4167960 y=4093220	E on Imperial, L on Sepulveda to Hyatt La.		
176 - 56	Sepulveda Blvd (south of) Century Blvd. (under runway)	x=4167840 y=4089560	E on Hyatt La, L on Airport Blvd., L on Manchester Blvd., L on Sepulveda through tunnel		
177 - 56	Manchester Blvd. Oak St.	x=4177000 y=4098380	S on Sepulveda, L on Imperial Hwy, N on SD Fwy(405), off at Manchester, E to Oak		
178 - 57	Figueroa St. Manchester Ave.	x=4202300 y=4097900	E on Manchester to Figueroa		

Ref # - Map Page	Street Locations	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Which Missed
				1	2
179 - 57	Van Ness Ave. 108th St.	x=4191700 y=4089940	W on Manchester, L on Normandie, R on 108th St. to Van Ness Ave.		
180 - 57	Van Ness Ave. 108th St.	x=4191760 y=4089960	N on Van Ness Ave., L on 104th St., Prairie Ave., L on 108th St. to Van Ness		
181 - 53	El Segundo Blvd Hoover St.	x=4201020 y=4081980	E on 108th St., R on Hoover St. to El Segunda Blvd.		
182 - 56	El Segundo Blvd Douglas St.	x=4171940 y=4082060	W on El Segundo Blvd to Douglas St.		
183 - 62	Sepulveda Blvd at SPT Co Rail- road Tracks	x=4167880 y=4077620	W on El Segundo Blvd., L on Sepulveda Blvd. to designated location		
184 - 62	Aviation Blvd. Harper Ave.	x=4170520 y=4063500	S on Sepulveda into PC Hwy, L on Aviation to Harper Ave.		
185 - 62	Inglewood Ave. San Diego Fwy (405)	x=4178440 y=4072500	N on Aviation, R on Rosecrans, S on San Diego Fwy to Inglewood Ave.		
186 - 63	Artesia Blvd. Van Ness Ave.	x=4191740 y=4066100	S on Inglewood, L on Manhattan Beach, R on Crenshaw, L on Artesia to Van Ness		
187 - 63	Prairie Ave. Artesia Blvd.	x=4183860 y=4066140	W on Artesia to Prairie Ave.		
188 - 68	190th St. Crenshaw Blvd.	x=4188580 y=4060800	S on Prairie Ave., L on 190th St to Crenshaw Blvd.		
189 - 68	Western Ave. Torrance Blvd.	x=4194340 y=4053600	E on 190th St., R on Western Ave. to Torrance Blvd.		
190 - 68	Crenshaw Blvd. Torrance Blvd.	x=4188460 y=4052860	W on Torrance Blvd. to Crenshaw Blvd.		

Ref. # - Map Page	Street Locations	X-Y Coord. (given)	Instructions	(Octal) X-Y Coord. (measured)	Link Wh Misse 1
191 - 68	Madrona Ave Spenser St.	x=4183850 y=4055940	W on Torrance, R on Madrona Ave. to Spenser St.		
192 - 68	Madrona Ave. Spenser St.	x=4183580 y=4055940	N on Madrona, L on Del Amo Blvd., L on Anza Ave., L on Spenser to Madrona		
193 - 68	Ocean Ave. Sepulveda Blvd.	x=4180580 y=4048980	S on Madrona, R on Sepulveda to Ocean Ave.		
194 - 67	Ave. D PC Hwy (1)	x=4170940 y=4088680	W on Sepulveda into Camino Real, L on Knob Hill Ave., L on PC Hwy to Ave. D		
195 - 73	Hawthorne Blvd. Newton St.	x=4181560 y=4039300	SE on PC Hwy, R on Hawthorne Blvd. to Newton St.		
196 - 73	Palos Verdes Dr. Rolling Hills Rd.	x=4183820 y=4031060	S on Hawthorne, L on Palos Verdes Dr. to Rolling Hills Rd.		
197 - 73	Skypark Dr. Garnier St.	x=4185740 y=4041380	N on Rolling Hills, R on Crenshaw Blvd., L on Skypark to Garnier St.		
198 - 73	Lomita Blvd. Western Ave.	x=4194880 y=4038760	N on Garnier St., R on Lomita to Western Ave.		
199 - 73	Lomita Blvd. Western Ave.	x=4194860 y=4038800	S on Western Ave., R on 254th St., R on Walnut St., R on Ebony Lane to Lomita & Western		
200 - 74	Wilmington Blvd. Lomita Blvd.	x=4024720 y=4039180	E on Lomita to Wilmington Blvd.		

APPENDIX Q

51 POINT TEST PLAN

This plan (as shown in Appendix Q) details the locations for each test point as written in the Amended Acceptance Test Plan.

AMMENDED CSS TEST PLAN

1/10/10

<u>P T</u>	<u>(Old ATP)</u>	<u>MAP</u>	<u>INTERSECTION</u>	<u>X-Y</u>	<u>INSTRUCTIONS</u>	<u>COMMENTS</u>
1	(1)	76	2nd/- Livingston		Proceed to Test pt. P/U S. P. @ 2nd & Toledo	
2	(5)	76	Studebaker// El Salvador		R on Livingston, L on Park, R on Colorado L on Bellflower, R on Atherton, L on PaloVerde R on Stearns, L on Studebaker to El Salvador	
3	(9)	71	Candlewood// Fanwood		N on Studebaker, R on Willow, N on 605, W on South St., L on Fanwood to Candlewood	
4	(13')	66	Artesia Blvd// Studebaker		R on Candlewood, R on Clark, R on Artesia Blvd to Studebaker, (Make L & Stop)	
5	(17')	82LA 4 OR	Artesia Blvd// Shoemaker		Proceed N on Studebaker, R on Alondra, R on Shoemaker, make L at Artesia & Stop.	
6	(21)	83LA 5 OR	Knott Ave// 9th Street		Proceed E on Artesia, R on Knott to 9th	
7	(25)	83LA	Alicante// Adelfa		L on 9th, L on Beach, L on La Mirada(Malvern), Proceed NW on La Mirada, R on Alicante, to Adelfa	

<u>PT</u>	<u>(Old ATP)</u>	<u>MAP</u>	<u>INTERSECTION</u>	<u>X-Y</u>	<u>INSTRUCTIONS</u>	<u>COMMENTS</u>
8	(29)	61	Imperial Hwy// Carmenita Ave.		R on Adelfa, R on Rosecrans, R on Carmenita, Proceed to Imperial Hwy.	
9	(33)	60	Bellflower// Stewart & Gray		L on Imperial Hwy, W on Imperial Hwy, R on Bellflower to Stewart & Gray Rd.	
10	(37')	53	Bandini// Eastern		W on Stewart & Gray, R on Old River School Rd. L on Florence, R on Garfield, L on Bandini L on Eastern and - Stop	
11	(41)	53 54 55	Whittier// 605 Freeway		S on Eastern, L on Slauson, L on Rosemead, R on Whittier, Stop just before 605 North on-ramp	
12	(45)	47	Durfee// Elliot		N on 605, Get off at Peck Rd off-ramp (Pellisier) (R to Peck) R on Peck Rd. Continue N on Peck when veers to R & goes under Pomona Fwy be- comes Durfee about a mile up the road, continue to Elliot Ave.	
13	(49)	38	Mission// Walnut Grove		Continue NE on Durfee to Valley, L on Valley to Mission, veer R on Mission to Walnut Grove	

<u>PT</u>	<u>Old (ATP)</u>	<u>MAP</u>	<u>INTERSECTION</u>	<u>X-Y</u>	<u>INSTRUCTIONS</u>	<u>COMMENTS</u>
14	(53)	46	Garfield// Graves		L on Walnut Grove, R on Valley, L on Garfield to Graves (Sign on Left)	
15	(57)	45	Floral// at LB Fwy.		S on Garfield, R on Brooklyn(Riggin), R on Monterey Rd, L on Floral Dr. Stop after LB Fwy.	
16	(61)	45	Soto// Wabash		Continue on Floral(West), L on Eastern, R on Brooklyn(Riggin), R on Soto to Wabash	
17	(65)	45	Lorena// Santa Ana Fwy.		R on Wabash, R on Mott, L on 3rd, R on Lorena Stop after Santa Ana Fwy.	
18	(69)	53	Maywood// 55th		Continue on Lorena, L on Olympic, R on Atlantic, R on 55th to Maywood	
19	(73)	59	Tweedy// Otis		L on Maywood, L on 56th, R on Atlantic, R on Tweedy to Otis	
20	(77)	59	Check Ave// Century		L on Otis, L on Imperial Hwy, R on Atlantic, L on Century, R on Check Ave. (just before on-ramp to LB Fwy)	
21	(81)	65	Atlantic// Rosecrans		S on Check Av., R on Cortland Av., L on Atlantic to Rosecrans.	

<u>PT</u>	<u>(Old ATP)</u>	<u>MAP</u>	<u>INTERSECTION</u>	<u>X-Y</u>	<u>INSTRUCTIONS</u>	<u>COMMENTS</u>
22	(85)	65	Orange// Harding		Continue S on Atlantic, L on Harding, R on Orange and - Stop	
23	(89)	70	Market St.// L. B. Blvd.		Continue S on Orange, R on Market, L onto L. B. Blvd. and Stop.	
24	(93)	70	Bixby Rd.// L. B. Blvd.		Continue south on L. B. Blvd. to Bixby Rd. & Stop	
25	(97)	75	Orange// Hill St.		Continue south on L. B. Blvd., L on Willow, R on Orange to Hill St.	
26	(101)	75	Santa Fe// Anaheim		Continue south on Orange, R on Anaheim, West to Santa Fe and - Stop.	
27	(105)	75 74 79 78	Gaffey// Shephard		Continue West on Anaheim, L on Henry Ford Ave. R on Ocean, across the Vincent Thomas Bridge, L (south) on Gaffey to Shephard and -Stop.	
28	(109)	78 79	Front St.// Ocean		L on Shephard, L on Pacific, R on 7th, L on Harbor Blvd. (Front St) & stop just before going under the Vincent Thomas Bridge.	

<u>PT</u>	<u>(Old ATP)</u>	<u>MAP</u>	<u>INTERSECTION</u>	<u>X-Y</u>	<u>INSTRUCTIONS</u>	<u>COMMENTS</u>
29	(113)	74	PCH(1)// Avalon		Continue around Front St. to John S. Gibson Blvd. (might be Pacific Av), continue north on J. S. Gibson which become "B" St. in Wilmington, East on "B", L on Avalon, N to PCH. and -Stop.	
30	(117)	74	Lomita// Main St.		Continue north on Avalon, L on Lomita, West to Main St. and - stop.	
31	(121)	74 69	Torrance// Main St.		R on Main St, continue north to L on Torrance Blvd and - stop.	
32	(125)	69 64	Avalon// 1/2 between Victoria & Artesia Fwy(91)		West on Torrance, R on Figueroa, R on Victoria L on Avalon, go about 1/2 to Fwy. & Stop. (Hint: about 2600 feet).	
33	(129)	64	Compton// Avalon		Continue north on Avalon to Compton & stop.	
34	(133)	58	Imperial Hwy// Central		R on Compton, L on Central to Imperial Hwy. - stop.	
35	(137)	58	Manchester// Figueroa		North on Central, L on Manchester (Firestone), West to Figueroa, right turn and - stop.	

<u>PT</u>	<u>Old (ATP)</u>	<u>MAP</u>	<u>INTERSECTION</u>	<u>X-Y</u>	<u>INSTRUCTIONS</u>	<u>COMMENTS</u>
36	(141)	52	Pacific// Chambers		Continue on Figueroa north to, R on Vernon which changes to Pacific, stop just after Chambers.	
37	(145)	44	Washington// Central		L on Leonis, L on Soto, L on Washington to Central and - Stop.	
38	(149)	44	Main St. // Olympic		Continue west on Washington, R on Main St., continue NE to Olympic (left turn and - stop.)	
39	(153)	44	Sunset// Grand		Continue West on Olympic, R on Grand to Sunset (left turn and - Stop.)	
40	(157)	44 35 34	Edgemont St. // Sunset		Continue West on Sunset to Edgemont St., (in Hollywood), stop just past Edgemont.	
41	(161)	34 43	Venice Blvd// Western Ave.		Continue West on Sunset, L on Western, South to Venice Blvd. and - Stop.	
42	(165)	43	Arlington// 37th PL.		South on Western, R on Jefferson, L on Arlington to 37th PLACE, and - Stop.	
43	(169)	43 51	7th Ave. // Hyde Park		Continue south on Arlington, R on 54th St., L on 7th Ave., S to Hyde Park, right turn and - Stop.	

<u>PT</u>	<u>Old (ATP)</u>	<u>MAP</u>	<u>INTERSECTION</u>	<u>X-Y</u>	<u>INSTRUCTIONS</u>	<u>COMMENTS</u>
44	(173)	51 57 56 31 55a	Manchester// Pershing Dr.		Continue West on Hyde Park, L on Crenshaw, R on Manchester, West to Pershing Drive.	
45	(177)	56	Manchester// Oak St.		U-turn on Manchester after Pershing Dr., E on Manchester to Oak St. (just E of S. D. Fwy)	
46	(181)	56 57 58	El Segundo// Hoover St.		E on Manchester, R on LaBrea, L on El Segundo, E to Hoover, R on Hoover & - Stop.	
47	(185)	58 64 63 62	Inglewood Av// S. Diego Fwy.		South on Hoover, R on Rosecrans, L on Inglewd. continue south to S. D. Fwy, stop just after Fwy.	
48	(189)	62 63 68	Western Ave.// Torrance Blvd.		Continue So. on Inglewood, L on Artesia, R on Western, So. to Torrance, R turn and -Stop.	
49	(193)	68	Ocean Ave// Sepulveda Blvd.		W to L on Madrona, R on Sepulveda, W to Ocean left turn - stop.	
50	(197)	68 67 73	Skypark Dr.// Garnier Steet		Continue So. on Ocean, L on Lomita Blvd. R on Garnier St., L at the Tee (Skypark) and - stop.	
51	(200)	73 74	Wilmington// Lomita		E on Skypark, L on Crenshaw, R on Lomita Continue East to Wilmington.	

APPENDIX C

CONTROLLED TEST RAW DATA

APPENDIX

Section _____

This section contains the raw data for the controlled tests in a benign area, near a high voltage line, under an underpass, and the 50 point accuracy test throughout the test area.

ESTC
NOTES
X
P

33	V	-02564	-01151	N020437	007081	024192	-00000	001538	(000417)	001538
R895										
33	V	-02571	-01153	S020433	007074	024192	-00256	-00256	000353	-00256
33	V	-02571	-01153	S020433	007074	024192	-00256	-00256	000353	-00256
33	V	-02571	-01153	S020433	007074	024192	-00256	-00256	000353	-00256
33	V	-02568	-01152	S020435	007077	024192	-00000	000513	000353	000513
6 33	V	-02521	-01154	E020412	007169N	024192	000255	012799	000353	012799
7 33	V	-02492	-01146	S020426	007192	024192	-00000	019975	000353	019975
8 33	V	-02472	-01144	E020425	007228	024192	-00000	025097	000353	025097
9 33	V	-02449	-01142	E020423	007264	024192	-00000	030987	000353	030987
10 33	V	-02424	-01138	E020426	007297	024192	-00000	-28145	000353	-28145
11 33	V	-02398	-01135	S020425	007334	024192	-00000	-21486	000353	-21486
12 33	V	-02371	-01122	N020456	007345	024192	-00000	-14561	(000417)	-14561
13 33	V	-02353	-01110	N020487	007343	024192	-00000	-09941	000353	-09941
14 33	V	-02326	-01094	N020527	007345	024192	-00000	-03013	000353	-03013
15 33	V	-02306	-01082	N020558	007347E	024192	000256	002119	(000417)	002119
16 33	V	-02296	-01074	W020579	007342	024192	000256	004687	000353	004687
17 33	V	-02258	-01052	S020634	007347	024192	000256	014437	000353	014437
18 33	V	-02243	-01042	S020659	007345	024192	000256	018287	(000417)	018287
19 33	V	-02235	-01032	S020688	007332	024192	000256	020345	000353	020345
20 33	V	-02262	-01029	E020706	007276	024192	000256	013436	000353	013436
21 33	V	-02275	-01030	S020707	007255	024192	000256	010107	000353	010107
22 33	V	-02314	-01022	E020744	007163	024192	000256	000131	000353	000131
23 33	V	-02338	-01024	E020746	007125	024192	-00000	-06015	000353	-06015
24 33	V	-02347	-01024	N020748	007108	024192	-00000	-08319	000353	-08319
25 33	V	-02357	-01028	N020740	007102	024192	-00000	-10883	000353	-10883
26 33	V	-02385	-01038	S020719	007079S	024192	-00000	-18061	000353	-18061
27 33	V	-02419	-01066	N020646	007098	024192	-00000	-26793	(000417)	-26793
28 33	V	-02450	-01088	E020590	007105	024192	-00000	030785	000353	030785
29 33	V	-02483	-01104	N020552	007092	024192	-00000	022321	(000417)	022321
30 33	V	-02531	-01129	S020493	007077	024192	-00000	010008	000353	010008
31 33	V	-02564	-01151	N020437	007081	024192	-00000	001538	000353	001538
32 33	V	-02562	-01152	N020433	007088	024192	-00000	002049	000353	002049
33 33	V	-02568	-01154	N020429	007083W	024192	000255	000767	000353	000767
34 33	V	-02565	-01153	N020431	007086	024192	-00000	001280	000353	001280
35 33	V	-02566	-01153	N020431	007086	024192	-00000	001024	000353	001024
36 33	V	-02566	-01153	N020431	007086	024192	-00000	001024	000353	001024

TABLE 2
 Raw data for undeposited ^{test}
 TEST 2 of PART 1

	ALARM	MAIN	COMPTON	COMPTON	11:33A	CNTR	MSR	
5	-02371	-01133	E020421	007376	024192	-00000	-14572	-14572
	-02299	-01104	N020485	007421	024192	000256	003889	000353 003889
	-02266	-01084	N020536	007422	024192	000256	001673	000353 012357
	-02260	-01082	N020540	007427	024192	000256	013895	000417 013895
	-02225	-01058	N020603	007421	024192	000256	022879	000353 022879
	-02189	-01039	N020649	007432	024192	000256	032114	000353 032114
	-02159	-01019	W020701	007429	024192	000256	-25722	000353 -25722
	-02132	-01003	N020741	007432	024192	000256	-18794	000353 -18794
	-02132	-01003	N020741	007432	024192	000256	-18794	000353 -18794
	-02132	-01003	N020741	007432	024192	000256	-18794	000353 -18794
	-02132	-01003	N020741	007432	024192	000256	-18794	000353 -18794
	-02138	-00998	W020759	007408	024192	000256	-20325	000353 -20325
	-02156	-01004	E020746	007393	024192	000256	-24939	000353 -24939
	-02133	-01011	W020717	007452	024192	000256	-19058	000353 -19058
	-02152	-01028	E020670	007465	024192	000256	-23939	000353 -23939
	-02150	-01035	N020648	007488	024192	000256	-23434	000353 -23434
	-02147	-01026	E020675	007469	024192	000256	-22657	000353 -22657
	-02142	-01027	S020670	007480	024192	000256	-21378	000353 -21378
	-02140	-01019	W020694	007462	024192	000256	-20858	000353 -20858
	-02184	-01047	S020622	007462	024192	000256	-32150	000353 -32150
	-02214	-01057	N020602	007438	024192	000256	025696	000353 025696
	-02187	-01069	E020553	007518	024192	000256	032596	000353 032596
	-02187	-01067	E020560	007512	024192	000256	032598	000353 032598
	-02187	-01067	E020560	007512	024192	000256	032598	000353 032598
	-02187	-01067	E020560	007512	024192	000256	032598	000353 032598
	-02187	-01067	E020560	007512	024192	000256	032598	000353 032598
	-02183	-01066	W020562	007516	024192	000256	-31913	000353 -31913
	-02208	-01063	W020562	007516	024192	000256	027226	000353 027226
	-02194	-01052	W020610	007459	024192	000256	030821	000353 030821
	-02219	-01041	S020654	007385	024192	000256	024432	000353 024432
	-02198	-01038	S020656	007413	024192	000256	029811	000353 029811
	-02226	-01044	S020647	007381	024192	000256	022637	000417 022637
	-02242	-01044	N020653	007353	024192	000256	018541	000353 018541
	-02267	-01042	E020668	007303	024192	000256	012143	000353 012143
	-02283	-01042	N020673	007275	024192	000256	008047	000353 008047
	-02271	-01032	S020700	007268	024192	000256	011129	000353 011129
	-02284	-01037	S020689	007259	024192	000256	007796	000353 007796
	-02319	-01058	S020637	007256	024192	-00000	-01185	000353 -01185
	-02325	-01062	S020637	007256	024192	-00000	-02725	000353 -02725
	-02329	-01065	S020637	007256	024192	-00000	-03752	000417 -03752
	-02345	-01067	W020618	007235	024192	-00000	-07850	000353 -07850
	-02355	-01063	S020634	007206	024192	-00000	-10406	000417 -10406
	-02338	-01064	S020634	007206	024192	-00000	-06055	000353 -06055
	-02337	-01065	S020634	007206	024192	-00000	-05800	000353 -05800
	-02337	-01065	S020634	007206	024192	-00000	-05800	000353 -05800
	-02359	-01070	N020614	007218	024192	-00000	-11437	000353 -11437
	-02390	-01068	W020630	007157	024192	-00000	-19371	000353 -19371
	-02406	-01066	W020642	007122	024192	-00000	-23465	000353 -23465
	-02440	-01061	W020642	007122	024192	-00000	-32164	000353 -32164
	-02469	-01060	W020679	006988	024192	-00000	025949	000353 025949
	-02482	-01065	W020668	006979	024192	-00000	022616	000417 022616
	-02509	-01076	N020644	006961	024192	-00000	015693	000353 015693
	-02549	-01105	N020570	006972	024192	-00000	005424	000353 005424
	-02591	-01133	E020500	006978	024192	-00256	-05356	000353 -05356
	-02611	-01142	N020480	006967	024192	-00256	-10485	000417 -10485
	-02636	-01152	N020458	006950	024192	-00256	-16895	000353 -16895
	-02696	-01192	E020357	006959	024192	-00001	-32039	000353 -32039
	-02691	-01191	E020359	006965	024192	-00001	-30758	000353 -30758

33	1 V	-02570	-01153	S020433	007076	024192	-00000	-00000	000353	-00000
33	2 V	-02570	-01153	S020433	007076	024192	-00000	-00000	000353	-00000
33	3 V	-02568	-01153	S020432	007080	024192	-00000	000512	000353	000512
33	4 V	-02578	-01156	S020426	007070	024192	-00001	-01795	000353	-01795
33	5 V	-02583	-01169	W020388	007100	024192	-00001	-03088	000353	-03088
33	6 V	-02583	-01169	W020388	007100	024192	-00001	-03088	000353	-03088
33	7 V	-02583	-01169	W020388	007100	024192	-00001	-03088	000353	-03088
33	8 V	-02580	-01169	W020387	007105	024192	-00001	-02320	000353	-02320
33	9 V	-02617	-01193	N020326	007109	024192	-00001	-11816	000417	-11816
33	10 V	-02639	-01207	N020290	007110	024192	-00001	-17462	000353	-17462
33	11 V	-02657	-01216	W020269	007104	024192	-00001	-22079	000353	-22079
33	12 V	-02662	-01217	W020268	007098	024192	-00001	-23360	000353	-23360
33	13 V	-02678	-01226	W020246	007096	024192	-00001	-27465	000353	-27465
33	14 V	-02695	-01238	W020214	007100	024192	-00001	-31829	000353	-31829
33	15 V	-02697	-01248	E020183	007127	024192	-00001	-32351	000353	-32351
33	16 V	-02697	-01231	N020237	007076	024192	-00001	-32334	000353	-32334
33	17 V	-02685	-01208	S020304	007028	024192	-00001	-29239	000353	-29239
33	18 V	-02691	-01210	S020300	007023	024192	-00001	-30777	000353	-30777
33	19 V	-02708	-01213	W020297	007001	024192	-00001	030404	000353	030404
33	20 V	-02707	-01222	W020269	007030	024192	-00001	030651	000353	030651
33	21 V	-02739	-01242	W020219	007031	024192	-00001	022439	000417	022439
33	22 V	-02768	-01258	E020180	007026	024192	-00001	014999	000353	014999
33	23 V	-02776	-01262	W020170	007023	024192	-00001	012947	000353	012947
33	24 V	-02786	-01262	E020174	007005	024192	-00001	010387	000353	010387
33	25 V	-02788	-01263	W020171	007004	024192	-00001	009874	000353	009874
33	26 V	-02754	-01255	E020184	007043	024192	-00001	018586	000417	018586
33	27 V	-02741	-01244	W020213	007034	024192	-00001	021925	000353	021925
33	28 V	-02714	-01226	W020259	007029	024192	-00001	028855	000353	028855
33	29 V	-02689	-01210	S020297	007028	024192	-00001	-30265	000417	-30265
33	30 V	-02686	-01208	S020305	007026	024192	-00001	-29495	000353	-29495
33	31 V	-02697	-01218	W020278	007036	024192	-00001	-32321	000353	-32321
33	32 V	-02699	-01231	S020238	007072	024192	-00001	032690	000353	032690
33	33 V	-02699	-01238	N020216	007093	024192	-00001	032683	000353	032683
33	34 V	-02715	-01247	W020194	007091	024192	-00001	028578	000353	028578
33	35 V	-02715	-01247	W020194	007091	024192	-00001	028578	000353	028578
33	36 V	-02710	-01244	W020201	007091	024192	-00001	029861	000353	029861
33	37 V	-02702	-01238	N020217	007088	024192	-00001	031915	000353	031915
33	38 V	-02702	-01238	N020217	007088	024192	-00001	031915	000353	031915
33	39 V	-02699	-01237	N020219	007090	024192	-00001	032684	000353	032684
33	40 V	-02679	-01229	E020237	007103	024192	-00001	-27724	000353	-27724
33	41 V	-02642	-01210	W020282	007114	024192	-00001	-18233	000417	-18233
33	42 V	-02627	-01200	N020308	007111	024192	-00001	-14383	000417	-14383
33	43 V	-02622	-01196	N020319	007109	024192	-00001	-13099	000353	-13099
33	44 V	-02586	-01172	W020380	007103	024192	-00001	-03859	000353	-03859
33	45 V	-02561	-01159	N020411	007111	024192	000255	002554	000353	002554
33	46 V	-02534	-01138	N020466	007098	024192	-00000	009231	000353	009231
33	47 V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
33	48 V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
33	49 V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
33	50 V	-02535	-01137	N020466	007098	024192	-00000	008976	000353	008976
33	51 V	-02526	-01133	N020479	007098	024192	-00000	011284	000353	011284
33	52 V	-02525	-01133	N020479	007098	024192	-00000	011540	000353	011540
33	53 V	-02525	-01133	N020479	007098	024192	-00000	011540	000353	011540

TABLE 4
Raw data for Test in Benign Area
TEST 6 of PART 3

HOFFMAN IDENTIFICATION INC. DECLARED NO ANOMALIES

POINT	OBSERVED		ACTUAL		DELTA		DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
	X	Y	X	Y	X	Y				
1	4246860	4025400	4245920	4025900	-940	500	0.106471E 04	0.883600E 06	0.250000E 06	0.113360E 07
53	4250060	4133390	4249960	4132580	-100	-810	0.816149E 03	0.100000E 05	0.656100E 06	0.666100E 06
57	4237740	4128360	4236800	4128420	-940	60	0.941913E 03	0.883600E 06	0.360000E 04	0.887200E 06
73	4227750	4095610	4228160	4091780	410	-3830	0.385188E 04	0.168100E 06	0.146689E 08	0.148370E 08
77	4233920	4082230	4233860	4082890	-60	650	0.652763E 03	0.360000E 04	0.422500E 06	0.426100E 06
81	4239370	4077050	4229300	4077320	-1070	270	0.110354E 04	0.114490E 07	0.722000E 05	0.121780E 07
93	4231350	4051390	4230720	4049300	-630	-2090	0.210289E 04	0.396900E 06	0.436810E 07	0.476500E 07
97	4234230	4041300	4234720	4038560	490	-2740	0.278347E 04	0.240100E 06	0.750760E 07	0.774770E 07
105	4199350	4008280	4199240	4005040	-110	-2440	0.244240E 04	0.121000E 05	0.595360E 07	0.596570E 07
113	4208040	4035370	4208140	4036500	100	1130	0.113442E 04	0.100000E 05	0.127690E 07	0.128690E 07
145	4212110	4121720	4212200	4121340	90	-380	0.390512E 03	0.810000E 04	0.144400E 06	0.152500E 06
157	4198260	4148060	4198240	4148060	-20	0	0.200000E 02	0.400000E 03	0.0	0.400000E 03
173	4159890	4095310	4153920	4096480	-5970	1170	0.608357E 04	0.356409E 08	0.136390E 07	0.370098E 08
177	4177270	4093370	4177060	4093380	-210	10	0.210233E 03	0.441000E 05	0.100000E 03	0.442000E 05
189	4193900	4053640	4194280	4053500	380	-140	0.404969E 03	0.144400E 06	0.196000E 05	0.164000E 06
193	4180700	4049140	4180560	4048980	-140	-160	0.212603E 03	0.196000E 05	0.256000E 05	0.452000E 05

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.151850E 04	0.263036E 07	0.162164E 04
DELTA X	-0.545000E 03	0.232387E 07	0.152442E 04
DELTA Y	-0.550000E 03	0.212659E 07	0.145828E 04

R=-0.414931E 00

TABLE 5 Row data for 50 point accuracy test.

HOFFMAN IDENTIFICATION INC. DECLARED ANOMALIES

POINT	OBSERVED X Y	ACTUAL X Y	DELTA X	DELTA Y	DISTANCE	DELTA X SQUARED	DELTA Y SQUARED	DISTANCE SQUARED
5	4256820 4040240	4258240 4039240	1420	-1000	0.173678E 04	0.201640E 07	0.100000E 07	0.301640E 07
9	4246650 4063260	4253140 4059160	6490	-4100	0.767659E 04	0.421201E 08	0.168100E 08	0.589301E 08
13A	4257560 4065570	4257250 4071400	390	5630	0.584303E 04	0.152100E 05	0.316829E 08	0.341410E 08
17A	4270920 4066240	4271500 4066320	580	80	0.585491E 03	0.336400E 06	0.640000E 04	0.342800E 06
21	4283810 4066060	4284820 4063460	1010	-2600	0.278928E 04	0.102010E 07	0.676000E 07	0.778010E 07
25	4265810 4077100	4287020 4077080	1210	-20	0.121017E 04	0.146410E 07	0.400000E 03	0.146450E 07
29	4262760 4050330	4273960 4052280	-820	1950	0.903299E 04	0.777924E 08	0.382250E 07	0.815949E 08
33	4250710 4086410	4250140 4086160	-570	-250	0.622415E 03	0.324900E 06	0.625000E 05	0.387400E 06
37A	4243900 4109160	4239220 4109280	-4680	120	0.468154E 04	0.219024E 08	0.144000E 05	0.219168E 08
41	4269890 4106980	4267380 4109800	-2510	820	0.264055E 04	0.630010E 07	0.672400E 06	0.697250E 07
45	4285310 4132510	4281820 4131860	-3490	-650	0.355801E 04	0.121801E 08	0.422500E 06	0.124024E 08
49	4262090 4140760	4263100 4144340	1010	3580	0.371974E 04	0.102010E 07	0.128164E 08	0.135365E 08
49	4261300 4140390	4263100 4144340	1720	3950	0.430823E 04	0.295340E 07	0.156025E 08	0.185509E 08
61	4227110 4131730	4222860 4131620	-830	-110	0.837257E 03	0.688900E 06	0.121000E 05	0.701000E 06
65	4227230 4122970	4222520 4121260	-710	-1710	0.185154E 04	0.504100E 06	0.292477E 07	0.342820E 07
77	4225050 4111770	4222440 4109740	1390	-2030	0.246028E 04	0.193210E 07	0.411177E 07	0.605300E 07
77	4235160 4062820	4231300 4064060	-860	1240	0.150904E 04	0.739600E 06	0.187733E 06	0.227720E 07
77	4228980 4060480	4231350 4059240	-420	-1240	0.130920E 04	0.176400E 06	0.157536E 06	0.171400E 07
77	4230790 4051900	4231720 4049300	-70	-2600	0.260094E 04	0.490000E 04	0.671121E 07	0.676490E 07
100	4222800 4038790	4221800 4033320	0	-5470	0.547000E 04	0.0	0.299209E 06	0.299209E 06
109	4208220 4019960	4202560 4021260	-5360	1300	0.551540E 04	0.287296E 08	0.169000E 06	0.304196E 08
117	4205130 4139160	4204540 4039140	-590	-20	0.590339E 04	0.348100E 06	0.400030E 05	0.348500E 06
121	4203130 4055220	4203140 4054940	10	-280	0.280173E 03	0.100000E 03	0.784000E 05	0.785000E 05
125	4207950 4062840	4207240 4065000	-710	2160	0.227370E 04	0.504100E 06	0.466560E 07	0.516970E 07
129	4208980 4070130	4207640 4074380	-1340	4250	0.445624E 04	0.179500E 07	0.180625E 08	0.196581E 08
133	4204580 4084090	4210980 4086760	6400	2670	0.693460E 04	0.409500E 08	0.712690E 07	0.480689E 08
137	4203720 4097630	4202320 4097280	-1460	250	0.146125E 04	0.213160E 07	0.625300E 05	0.219410E 07
141	4217230 4112470	4219760 4112380	2530	-90	0.253160E 04	0.640090E 07	0.810000E 04	0.640900E 07
149	4209390 4126200	4210240 4127120	850	920	0.125256E 04	0.722500E 06	0.846400E 06	0.156890E 07
153	4210890 4129040	4214180 4134360	3290	5320	0.625512E 04	0.108241E 08	0.283024E 08	0.391265E 08
161	4194640 4127990	4194340 4128280	-300	290	0.417253E 03	0.902000E 05	0.841000E 05	0.174100E 06
165	4192630 4119710	4191640 4119820	-990	110	0.996092E 03	0.980100E 06	0.121000E 05	0.992200E 06
169	4191300 4105000	4189640 4105400	-1960	400	0.200040E 04	0.384160E 07	0.160000E 06	0.400160E 07
181	4201430 4081760	4201040 4082040	-390	280	0.480104E 03	0.152100E 06	0.784000E 05	0.230500E 06
185	4179250 4074160	4178560 4072540	-1290	-1620	0.207087E 04	0.166410E 07	0.262440E 07	0.428550E 07
197	4168290 4050800	4185660 4041600	-2630	-9200	0.956854E 04	0.691690E 07	0.845400E 08	0.915559E 08
200	4203850 4038870	4204560 4039180	710	310	0.774726E 03	0.504100E 06	0.961000E 05	0.600200E 06

	AVERAGE	VARIANCE	STD. DEV.
DISTANCE	0.303550E 04	0.629394E 07	0.250877E 04
DELTA X	-0.296486E 03	0.769295E 07	0.277362E 04
DELTA Y	0.767567E 02	0.797453E 07	0.282397E 04

R= 0.340969E-01

Table - (continued)

Table 24

APPENDIX H

FORMAT FOR LOS ANGELES BASIN

#2

82

#1

572

	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814
	1701	1702	1703	1704	1705	1706	1707	1708	1709	1710	1711	1712	1713	1714
4160	1601	1602	1603	1604	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614
4150	1501	1502	1503	1504	1505	1506	1507	1508	1509	1510	1511	1512	1513	1514
4140	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414
4130	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314
4120	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214
4110	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114
4100	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014
4090	901	902	903	904	905	906	907	908	909	910	911	912	913	914
4080	801	802	803	804	805	806	807	808	809	810	811	812	813	814
4070	701	702	703	704	705	706	707	708	709	710	711	712	713	714
4060	601	602	603	604	605	606	607	608	609	610	611	612	613	614
4050	501	502	503	504	505	506	507	508	509	510	511	512	513	514
4040	401	402	403	404	405	406	407	408	409	410	411	412	413	414
4030	301	302	303	304	305	306	307	308	309	310	311	312	313	314
4020	201	202	203	204	205	206	207	208	209	210	211	212	213	214
4010	0101	0102	0103	0104	0105	106	107	108	109	110	111	112	113	114

04,000,000
04,160,000

16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

APPENDIX I

SPARES AND MAINTENANCE PLAN

12 APRIL 1977

SPARES AND MAINTENANCE PLAN
CARGO SECURITY
FIELD TEST HARDWARE FABRICATION,
INSTALLATION, AND MAINTENANCE

Prepared For
THE AEROSPACE CORPORATION
In Response To
Cargo Security System Program
Contract #J-LEAA-025-73
Subcontract W-67852

Prepared by
HOFFMAN INFORMATION IDENTIFICATION INCORPORATED
Fort Worth, Texas

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- II DETECTION AND DIAGNOSIS OF FAILURE
 - 2.1. Preventive Maintenance
 - 2.2. Complaint Call-Ins
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- III REPAIR AND DISPOSITION OF FAILURE
 - 3.1. Repair Technique at Site
 - 3.2. Repair Technique at Maintenance Facility
 - 3.3. Disposition of Failure

LIST OF FIGURES

Figure Number

- 3.1 FAILURE REPORT, CARGO SECURITY FIELD TEST PROGRAM

SECTION I

INTRODUCTION

This report describes the plan to be used to maintain the Cargo Security System to at least 94% availability during the field test program. It is divided into two principal parts: detection of failure and repair and disposition of failure. The principal features of the plan are summarized below:

- . Automatic maintenance using software for failure detection and print out.
- . On site HI³ maintenance technician on 24-hour call.
- . Complete swap out repair capability of the vehicles to minimize down time.
- . Complete swap out repair capability of the base station to minimize down time.
- . Complete swap out repair capability of the dispatch station to minimize down time.
- . A complete set of spares and backup for the spares at the maintenance facility, base station, or at Fort Worth.

SECTION II

DETECTION AND DIAGNOSIS OF FAILURE

This section presents the techniques to be utilized for both detection and diagnosis of failures prior to repair.

2.1. Preventive Maintenance

The Cargo Security System software is written to detect anomolous conditions and print them out on the base station DEC writer. This printout will be in the form of error codes which describe the symptom of the failure. This printout will be examined periodically to insure that failures will be picked up even though they have not been called in by the dispatchers. Below are some examples of error codes which will be considered:

- (1) Sensors - The truck was driven 50 miles and the cargo door never opened. Cargo door failure.
- (2) Signposts - Two minute polling intervals detected xy position on both sides of a signpost but no reset signpost event occurred. Signpost failure.
- (3) AM Phase Vehicle Unit - Motion sensor is activated but no AM phase position changes occur. AM phase unit failure.
- (4) AM Phase Slave Unit - Two or more vehicles are in motion but motion sensors on both indicate stopped. Slave unit failure.
- (5) Mobile Radios - Lack of communication on four or

more consecutive background polls. Mobile radio failure.

- (6) Base Station Radio - Lack of communication with two or more trucks. Base station radio failure.
- (7) Modems - No acknowledgement received from base station, and no key strokes received. Modem failure.

Base station and dispatch station failure in general cannot be discerned by the software and thus a program of regular physical examination will be a part of the preventive maintenance procedures. On periodical intervals the base station will be commanded through a sequence of steps which will exercise all peripherals and ascertain they are in working condition.

The dispatch station of both trucking companies will be periodically examined after normal working hours. The dispatch CRT should show both displays correctly upon command and the printer should print recent stop history upon command.

The remote alarm display should be present and indicate the proper display when the vehicles are enabled or disabled. One vehicle should be put in remote alarm and one sensor should be activated to prove the alarm function is operating correctly.

Each truck should have its sensors tested during this examination using the sensor tester. The odometer wheel magnets will be examined to insure they are all present.

As a part of the base station physical examination, the magnetic tape containing the data logging events will be removed and a fresh tape will replace it. This tape will then be conveyed or sent to the Wiggins Company.

2.2. Complaint Call-Ins

The second method for the detection of failure will be by call-ins to the maintenance facility. Each of these call-ins should describe various symptoms which are analogous to the error codes. The value of the symptoms is that the appropriate spares can be taken to the complaint site for a swap out.

The sources of these call-ins are listed below:

- (1) Dispatch Complaint - This will be the principal complaint source for failure detection. In addition to describing failure symptoms on the dispatch CRT or printer such as no response to keyboard commands, garbled display, etc., he will relay complaints from four additional sources; driver complaints such as missing magnets, cut wires, etc., guard complaints such as no response to remote alarm keyboard commands, maintenance complaints such as excessive battery power usage, and dock complaints such as damaged intrusion sensors.
- (2) AM Station Complaints - Malfunctioning rubidium standard or malfunctioning slave units will be reported directly from the AM station.

- (3) Municipality Complaints - Damaged signposts or damaged poles containing signposts will be reported by maintenance departments in the municipality concerned.
- (4) Broadcast Services - Damaged antennas or antenna wires at the base station will be reported by the broadcast services representative.
- (5) United California Bank Complaint - It is possible that damage to the base station might be observed by United California Bank personnel doing telephone installation in the room where the computer is to be located.

2.3. Failure Diagnostics

Failure diagnostics is divided into two parts: symptom description and on-site diagnostics. System description will come primarily via the complaint call-in route from the various sources described previously. These sources will be augmented by the printout codes at the base station computer site.

From analysis of the symptoms the HI³ maintenance technician can determine the necessary equipment to be taken to the site of the difficulty. Once at the site, further diagnosis of the problem can be utilized.

The general technique to be used for diagnosis is swap out. This will be augmented by means of a sensor tester which will be constructed for this purpose.

SECTION III

REPAIR AND DISPOSITION OF FAILURE

HI³ will maintain a maintenance technician with adequate tools on site for the duration of the test program. He will administer the maintenance facility, conduct the preventive maintenance procedures described previously, be available for swap out or repair of failed subunits at the point of failure, and keep the spares inventory in proper condition.

3.1. Repair Technique at Site

The general method to be employed is to swap the failed subunit at the point of failure. The listing below indicates either the swap to be made for a particular failure or the repair alternative.

A. Base station failures:

- (1) Computer - The alternative computer will be used until DEC maintenance has repaired the main computer.
- (2) Disk - The floppy disk will be used until DEC maintenance has repaired the disk. This could mean a delay of one to three seconds in processing an alarm during this interval.
- (3) CRT - The printer keyboard will be used to command the base station until another ADM-2 can be shipped from Fort Worth.
- (4) Printer - The CRT keyboard will be used until a TI-700 can be shipped from Fort Worth.
- (5) Cassette - The floppy disk will be used until DEC maintenance can repair the cassette.

- (6) Modem - Pacific Bell maintenance will be called and the modem swapped out.
- (7) Base Station Radio - A spare mobile will be used until McFarland can repair the base radio. This may mean slightly degraded communication throughput during this interval, but the communication survey was done with a mobile for the base.

DEC maintenance can respond and fix failure within one day. Shipment from Fort Worth can be obtained and the bad unit swapped out within five hours of detection. Pacific Bell can respond and swap out the modem within two hours.

B. Vehicles

The appropriate spare units will be taken to the site of the vehicle failure. The swap out or repair techniques are listed below:

- (1) Sensors - Sensor tester will verify the sensor failure and the sensor will be swapped out for a new sensor and sent to Fort Worth for repair.
- (2) Mobile Radio - The spare radio will be used until McFarland can repair the failed unit.
- (3) AM Phase Unit - A spare AM phase unit will be swapped out and the failed unit returned to the maintenance facility.
- (4) Signpost Data Controller - A spare signpost data controller will be swapped out and the failed unit returned to the maintenance facility.

- (5) Antennas - Spare antennas will be swapped out and the failed units returned to the maintenance facility.
- (6) Wiring - Damaged wiring will be repaired by replacement or splicing on the site.

C. Dispatch Station

- (1) Dispatch CRT - A spare ISC will be shipped from Fort Worth until the failed unit can be repaired by ISC.
- (2) Dispatch Printer - The DEC writer from the base station will be used until TI has repaired the printer.
- (3) Remote Alarm CRT - The base station CRT will be used until Lear Siegler has repaired the ADM-3.

D. Location Support

- (1) Signposts - A new signpost will be installed and the failed unit returned to Fort Worth for repair or replacement. The new code will then be entered into the data base.
- (2) Rubidium Standard - The system will be operated without using the standard until it can be repaired by Tracor. This has a negligible degradation to accuracy (less than 20 feet).
- (3) Slave Unit - The unit will either be repaired on site or air freighted to Fort Worth for repair and returned by fastest available air freight.

3.2. Repair Technique at Maintenance Facility

Failed units will be returned to the maintenance facility where a second level of repair by board swap out will be done using boards from the spares inventory. The failed boards will be returned to Fort Worth for repair or replacement.

The spares inventory to be maintained at the maintenance facility is listed below:

- 1 AM phase unit

- 1 AM phase box

- 2 sets of spare boards

- Spare AM slave unit boards from TPT vehicle units

- 1 signpost data controller unit

- 1 signpost data controller box

- 2 sets of spare boards

- 10 spare signposts

- 1 spare radio

- 1 spare vehicle unit box

- 1 spare set of sensors and sensor wiring

- 2 spare sets of antennas and antenna coax

3.3. Disposition of Failure

Each failure will be documented with a failure report.

The form to be used in this report is shown in Figure 3.1, where it has been filled in for a typical failure which might be expected.

Once a month a maintenance report will be generated containing copies of the failure reports generated for the month. A cover letter will contain a summary of the lost truck days for the month, accumulated lost truck days during the program, and the current cumulative percent availability.

FAILURE REPORT
CARGO SECURITY FIELD TEST PROGRAM

18 AUGUST 1977

Truck Equipment

Truck ID 972
Truck Unit ID 11051
Company ID Transcon
Sensor Subsystem - Sensor No. 1 to 8 _____
AM Phase Location Receiver ID 11051
Proximity Location Receiver ID _____
Common Communications Link ID _____

Base Station Subsystem

Common Communications Link ID _____
Modem to Company ID _____
Telephone line to Company ID _____
CRT ID _____
Cassette ID _____
DEC writer ID _____
CPU ID _____
Disk ID _____

Dispatch Station

Company ID _____
Modem ID _____
Printer and Keyboard ID _____
Color CRT, Keyboard ID _____
Black and White CRT and Keyboard ID _____

Location Support

Signpost ID _____
Rubidium Standard ID _____
Slave Unit ID _____

Date of Installation or Last Replacement _____
Date of Out-Of-Service and Time Detected _____
Date Back In Service and Time _____

Old Serial Number _____
New Serial Number _____

Disposition: Swapped units at Transcon. Swapped digital phase detector
board in maintenance facility. Bad board repaired at
Fort Worth and returned to spares inventory.

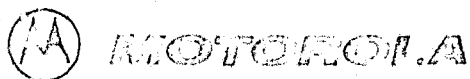
Comment: Failure reported by dispatcher at 12:00 August 17, 1977,
when no truck motion was observed. Unit repaired at 6:00.

Truck Days Lost $\frac{1}{4}$

FIGURE 3.1. FAILURE REPORT

APPENDIX J

RADIO EQUIPMENT



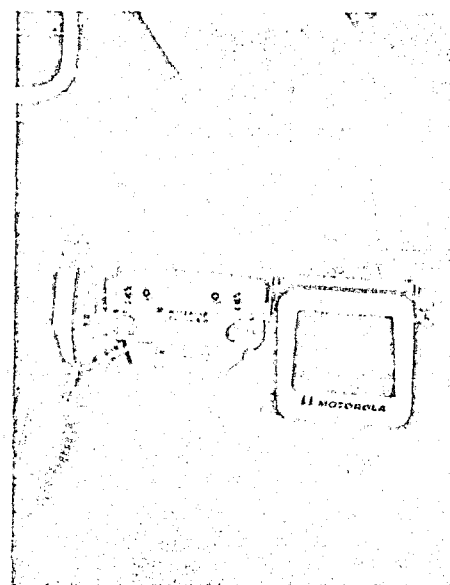
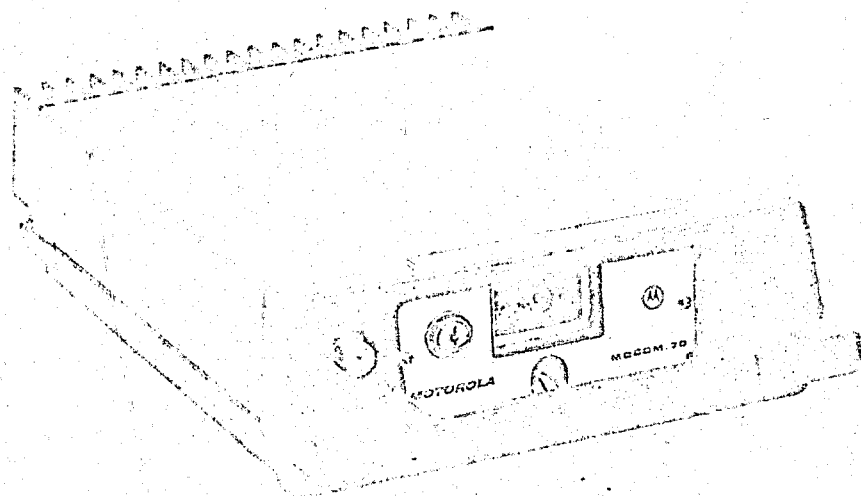
MOCOM-70

FM Two-Way Radio

450-470 MHz

50/25 Watts RF Output

±12V dc



Features • Benefits

50 and 25 Watts RF Power — SOLID STATE RF POWER — Provides user with greater operating range, maximum area coverage and best message quality.

Solid-State Transmitter—Cool, reliable, solid-state radio provides instant full-rated transmit power at turn-on. Virtually eliminates slump in transmitter power output. Radio features less than 3% transmitter distortion. Cool operation provides longer component life, resulting in minimum maintenance for your system. Since there's no gradual tube-type degradation of power or performance, range and message quality remain uniformly high even in fringe areas. Low transmitter distortion produces clear, distinct transmission with less chance of misunderstood messages.

Solid-State Receiver—More than 90 dB selectivity and a sensitivity of 0.50 μ V. High selectivity receiver picks out the right signal while rejecting all other off-channel signals. High sensitivity improves range and coverage, picking up those weak signals missed by other receivers.

—80 dB Intermodulation Protection— This is a must when operating in areas where frequencies are highly congested. It provides clear, crisp distortion-free communications where other communications systems fail.

Continuous-Duty Capability — Built-in protection circuit maintains continuous transmitter communications at the highest possible power output level. • There is no danger of power transistor burn-out even when the transmitter is keyed for long durations.

No Power Supply—Since the MOCOM-70 radio is completely solid state, it has no power supply. What little heat that is generated is dissipated by a finned heat sink. The elimination of noise-generating switching transistors, associated with power supplies, reduce the FM noise and hum. • Cooler running radio gives you enhanced reliability. Low FM hum and noise means clearer, cleaner messages, resulting in fewer misunderstandings and greater effective range.

Low Current Drain—Solid-state design assures low battery drain—approximately 1/2 ampere on standby. • You save wear and tear on your automotive electrical system and can leave the radio on without worrying about your battery.

Styled for the '70's—Attractively-styled, the MOCOM-70 radio has a completely enclosed housing to resist dust, dirt and moisture. A convenient carrying handle is built in to the contour of the radio. • Sleek, trim look complements automobile interior. With no louvers or vents, foreign materials cannot get in and reduce the efficiency of the radio.

Reverse Polarity Protection — Positive action reverse polarity protection protects against equipment burn-out should the radio be connected to the wrong polarity. • Your equipment is protected during "battery jumping" procedures or when the battery is inadvertently reversed during service station maintenance.

Rugged Construction — The 16-gauge steel housing (heaviest used in the industry), heavy gauge metal chassis and single layer board design is built to take the toughest mobile environments. • Your radio will give you lasting dependability for years of quality performance. Firmly held circuit boards and close-mounted components resist shock and vibration. Design permits easy access to all components for maintenance.

MOCOM-70 FM Two-Way Radio

Features • Benefits

Automatic Dimmer—An automatic pilot lamp dimmer continuously adjusts the intensity under changing ambient light conditions. • Provides sure operating indication while reducing eye fatigue and enhancing driver safety.

Lifetime Operation Antenna Switch—Reed switches sealed in glass in a rugged housing have a proven capability of 200 million operations without failure. • Provides the utmost in reliability. Motorola places a lifetime guarantee against any kind of malfunction.

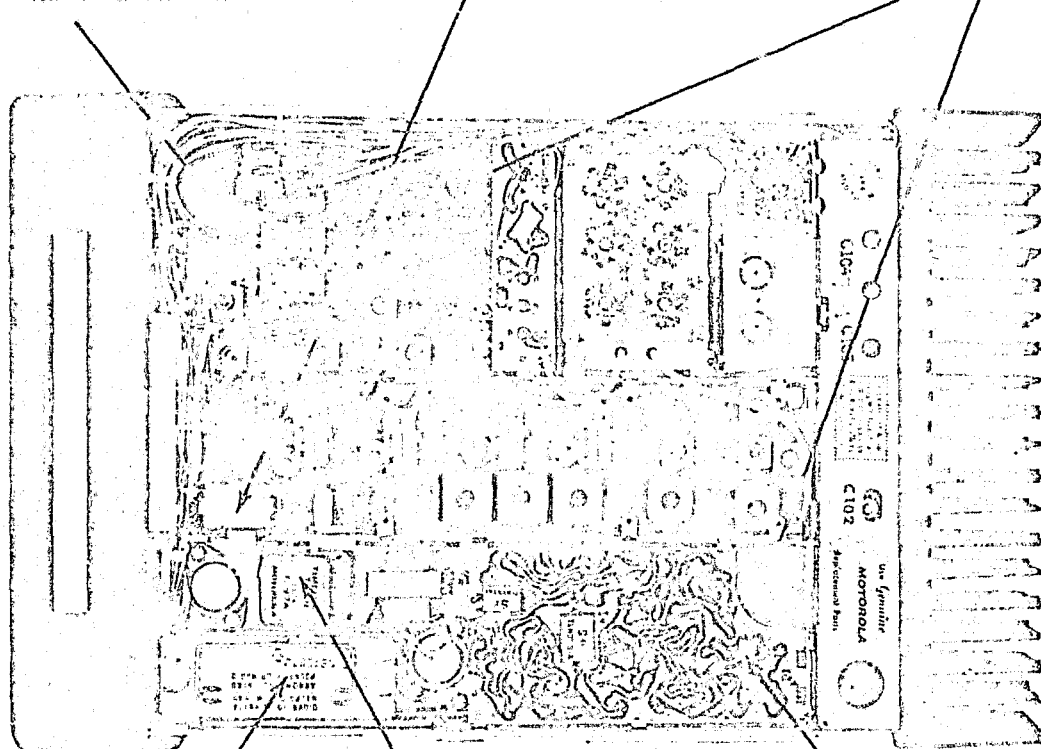
Interchangeable Drawer Construction—Entire radio pulls out of the drawer-type construction to facilitate faster, easier servicing. Interchangeable between trunk and front mounts. • Saves on maintenance costs. And, you can change radios within a fleet quickly, easily.

PERMAKAY Filter—Motorola patented filter is factory tuned and sealed in plastic to protect against drift, aging, environmental conditions and misadjustment. • Maintains high receiver selectivity; guaranteed for life of radio.

Key Lock—The radio locks into the permanently mounted frame. • Provides protection against theft or tampering by unauthorized persons; helps to avoid unnecessary maintenance.

Central Metering—All regular tuning is done from just two readily accessible metering sockets. • Permits fast, easy preventive maintenance checks to be made without removing the radio from the vehicle.

25-Watt
Model
Shown



Options • Benefits

Positive/Negative Ground—Standard units equipped for operation in negative ground vehicles can be converted to positive ground operation with an internal plug-in kit. • Once installed, the radio can be quickly changed to either polarity by reversing the power plug—no need for rewiring or other modifications.

Frequency Option—Standard mobile packages offer up-to-eight frequency capability. • MOCOM-70 radio is designed to meet your exact systems needs.

Time-Out Timer—Motorola's Time-Out Timer option automatically shuts off the transmitter and emits an alert tone from the mobile speaker after 60 seconds. Releasing the microphone button instantly resets the transmitter for normal operation. • Prevents system "lock up" by inadvertent prolonged keying of the transmitter. Avoids repeater lock-up and eliminates channel tie-ups.

Preamplifier—This receiver option, available in one to four frequency models, doubles sensitivity to 0.25 μ V. • Provides better performance and greater range.

PRIVATE-LINE Squelch—• Dual tone-coded squelch option minimizes reception of messages from other radio systems on your channel which do not have your tone frequency.

Antenna Options—Optional antennas include a unity gain $\frac{1}{4}$ -wave whip, 3.5 dB and 5.0 dB gain antennas. • System range can be increased up to 20% over average terrain with 5.0 dB gain antenna. All antennas utilize a common mounting base.

Mobile-to-Mobile Communications—New technology provides wide space transmitter feature. • Provides direct mobile-to-mobile, as well as mobile-to-base communications without loss of power.

Optional Accessories

QUIK-CALL II Mobile Paging

This two-tone decoder provides a simple and efficient selective signaling capability for Motorola two-way radio users.

Features • Benefits

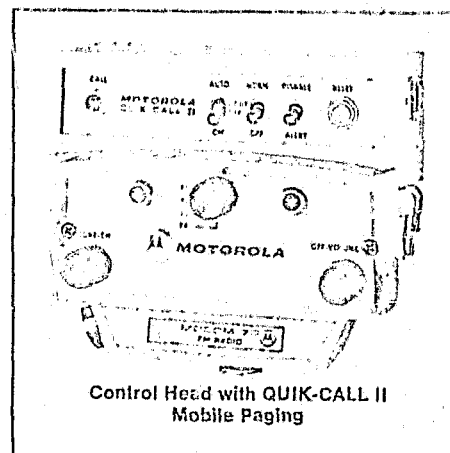
Compact—This smartly styled two-tone sequential decoder comes conveniently packaged in a single compact unit that mounts along with the radio control head.

Easily Installed—This one-piece unit installs in just minutes • reducing installation time and expense.

Compatible—The decoder operates with all standard Motorola VHF paging two-tone encoders and with Quik-Call II mobile paging encoders.

Selective Communications—The decoder alerts only the selected mobile in the system. If no one is there to answer, the call light remains on until the driver returns and answers the call. • This makes your system a more efficient radio system.

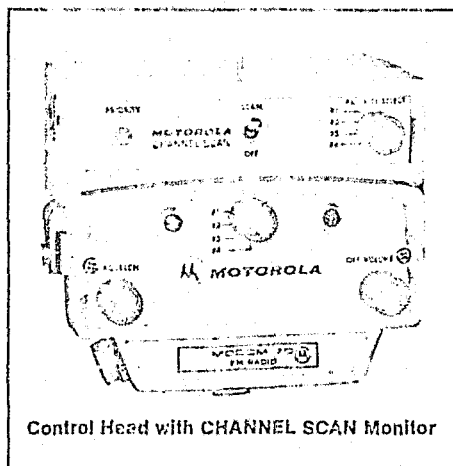
Positive or Negative Ground—With positive or negative ground capability, the decoders will operate with any mobile in your fleet.



Control Head with QUIK-CALL II Mobile Paging

CHANNEL SCAN Monitor

Channel Scan monitor with priority sequentially samples each channel seeking the presence of a carrier. The first



Control Head with CHANNEL SCAN Monitor

signal received will be heard on the speaker. If this is a non-priority signal, the Channel Scan monitor will continue to sample for the selected priority channel at a rate sufficient to insure that there is no loss of audio information. The presence of a priority signal automatically reverts the receiver and speaker to the priority message and stops the scanning action. Channel Scan monitor with priority ensures that messages on the priority channel are never missed.

Features • Benefits

Not Frequency Dependent—Each Channel Scan monitor unit is interchangeable between the different bands; low, high, or UHF for all standard trunk mounted MOCOM-70 radios with up to four channels.

Versatile Application, Simple to Install

—Models are available that allow a single-frequency control head to be used and scan 2-frequency or 4-frequency radios. Another model scans two frequencies on a four-frequency radio with the transmit frequency and priority channel selected at the control head and the non-priority channel selected at the monitor unit. • No modifications to the radio are required for either a new installation or add-on to an existing mobile.

No Degradation of Radio Specifications

—All receiver RF specifications remain unchanged when the monitor unit is used.

Visual and Audio Priority Indication

—When a message comes in over the priority channel, the priority indicator lights and the audio level is higher • to provide a positive status indication.

POWER VOICE Speaker

This compact speaker-amplifier combination, substantially increasing audio power over the conventional mobile radio speaker, is ideal for mobile radio applications where the surrounding noise is high or where a driver wishes to hear messages while he's working some distance from his vehicle.

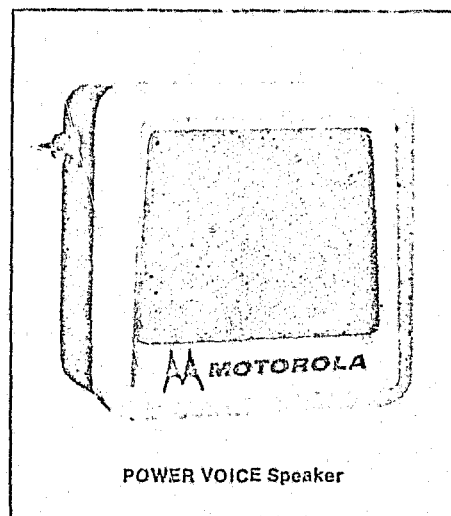
Features • Benefits

15-Watt Audio Output • Overcomes traffic, wind, and machinery noises and extends hearing range—allows monitoring at distances as great as 2000 feet. Your radio system can be used more effectively.

Low Current Drain—Only 60 mA is required on standby so that the total radio system for standby is between 0.5 and 0.6 A. • You are still saved wear and tear on vehicle electrical systems.

Sharp, Clear Messages • Speaker element has a bandpass frequency response that enhances voice while depressing ignition noise and other radio interference.

Versatile Mounting—The unit can be installed on the firewall, under the dash, or, with an optional hardware kit, mounted on the steering column. • The speaker can easily be placed on the window for hearing messages away from the vehicle by extending the 5-foot coiled cord.



POWER VOICE Speaker

MOCOM-70 Mobile FM Two-Way Radio

Guaranteed Performance Specifications

General

Models	Mounting	Frequency Range	Max. Power to Final Stage (Watts)	Minimum RF Power Output (Watts)	Battery Drain		
					Standby @ 13.6V	At Rated Transmit Power Output @ 13.6V	Maximum Transmit Drain @ 13.6V
D445BN Series T445BN Series T445BA Series T44RBA Series	Front-Mount Trunk-Mount Trunk-Mount Trunk-Mount	450-470 MHz	50 50 50 120	25 25 25 50	.45A	10.0A 10.0A 10.0A 14.0A	14.0A 14.0A 14.0A 15.9A

Frequency Capability: Front-mount models -1, 2, or 4 channels; trunk-mount models -1, 2, 4, or 8 channels.

Squelch Options: Carrier squelch type--1000/1100 series models; Private-Line tone-coded squelch--3000/3100 series models.

Primary Power: 12V dc negative ground (positive ground optional)

Dimensions: 25W--4" H x 10 $\frac{3}{4}$ " W x 16 $\frac{1}{2}$ " L (102 x 273 x 420 mm); 50W--4" H x 10 $\frac{3}{4}$ " W x 18" L (102 x 273 x 457 mm)

Weight: Approx. 25 lbs. (11340g) Shipping wt., incl. accessories: Approx. 50 lbs. (22680g)

Metering: A single-scale, 0-50 microampere meter or Motorola portable test set can be used to measure all circuits essential to tuning and checking.

Transmitter

Output Impedance:	50 ohms
Spurious and Harmonics:	50W more than 80 dB below carrier 25W more than 60dB below carrier
Frequency Stability:	$\pm .0005\%$ from -30°C to $+60^{\circ}\text{C}$ ambient ($\pm 25^{\circ}\text{C}$ reference)
Frequency Separation:	Up to 5.5 MHz max. with no degradation
Modulation:	16F3: ± 5 kHz for 100% at 1000 Hz
Audio Sensitivity:	0.100 volts, ± 3 dB for 3.0 kHz deviation at 1000 Hz
FM Noise:	70 dB below ± 3.3 kHz deviation at 1000 Hz
Audio Distortion:	Less than 3% at 1000 Hz; ± 3.0 kHz deviation
Audio Response:	$\pm 1, -3$ dB of 6 dB/octave pre-emphasis characteristics from 300 to 3000 Hz
FCC Designation:	25W Models: CC4111--1 Freq. CC4112--2 to 4 Freq. CC4119--5 to 8 Freq. 50W Models: CC4204--1 Freq. CC4205--2 to 4 Freq. CC4206--5 to 8 Freq. Licensable under FCC Rules Parts 21, 89, 91, 93 and 95.

Receiver

Channel Spacing:	25 kHz
EIA SINAD Selectivity:	More than 30 dB down at ± 25 kHz
EIA Modulation Acceptance:	± 7.0 kHz
Oscillator Frequency Stability:	$\pm .0005\%$ from -30°C to $+60^{\circ}\text{C}$ ambient ($\pm 25^{\circ}\text{C}$ reference)
Frequency Separation:	Up to 1.0 MHz total separation with no degradation
Spurious and Image Rejection:	More than 100 dB down
Audio Output:	5 watts at less than 5% distortion (into a 3.2 ohm load @ 1000 Hz)
EIA SINAD Intermodulation:	Standard More than 80 dB down at ± 25 kHz
Sensitivity 20 dB Quieting: EIA SINAD:	0.50 μV 0.35 μV
Squelch Sensitivity— (at threshold setting) Carrier Squelch: Tone-Coded Squelch:	0.25 μV 0.25 μV
Input Impedance:	50 ohms



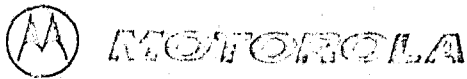
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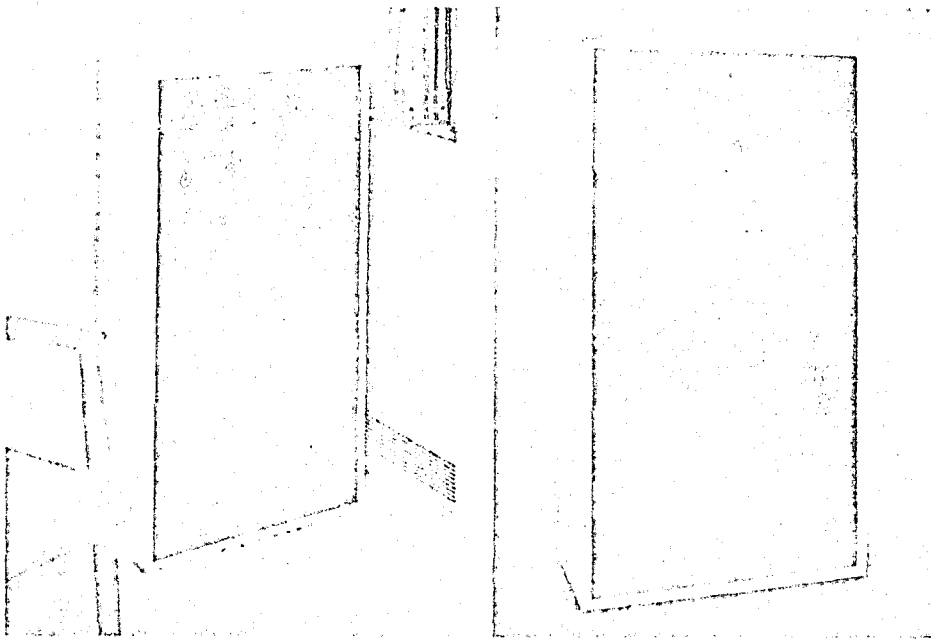
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UHF MICOR Base Stations and Repeaters

406-420 MHz
75/45/12 watts
450-470 MHz
75/45/20/12 watts
470-512 MHz
60/40/20/12 watts



Advanced Technology Design of MICOR Radio Now Extended to UHF Base Stations

- All solid state MICOR base stations and repeaters — integrated circuits, low power consumption, instant transmit, no power slump, no tubes, relays or blowers; full rated power output on emergency battery.
- Top performance transmitter—highest intermodulation (IM) protection in the industry, low sideband noise, continuous duty rating.
- Advanced mechanical design—unified circuit chassis, built-in RF shielding, reduced intercabling, increased reliability.
- Built-in circulator—protects transmitter from faulty transmission lines or antenna mismatch, high IM protection afforded to neighboring stations.
- Permanently tuned broadband power amplifier — consistent performance over time and temperature.

Features & Benefits

High Performance Transmitter — Advanced design provides the lowest sideband noise level available. A built-in circulator provides greatly increased IM protection to other users from transmitter intermodulation interference. These MICOR radio technology features result in less interference between users in crowded radio environments. Also, less filtering is required for repeater sites and for multiple antenna sites, which lowers the cost of cavities and duplexers. It is 100% solid state for instant, full-power communications and assures high performance operations. These features give you maximum transmitter operation for the rated power outputs.

SENSITRON Receiver—Single conversion receiver design complements the high performance transmitter by providing 0.35 μ V sensitivity, 90 dB selec-

tivity, and 85 dB IM rejection. High sensitivity and selectivity combine to insure reception of weak signals even if your station is in a high rf density area. High IM rejection significantly decreases problems caused by intermodulation between other rf sources. These features indicate high receiver performance. And improved receiver performance has the same effect towards increased range as does increasing the power output of the system transmitter.

Power Control Circuit—This MICOR radio circuit not only monitors the power going to the antenna, but also monitors the antenna load VSWR. Should the antenna be disconnected or shorted, this exclusive, patented Power Control Circuit automatically decreases the input power, preventing damage to the transmitter. Full power returns upon removal of the adverse conditions.

Continuous Duty Transmitters—12/20/45/75 watts of continuous rf power is available from this 100% solid-state station. With this station, there is no performance degradation even with excessive line voltage variation ($\pm 20\%$) and excessive temperature ($+60^\circ\text{C}$). A specially designed heat exchanger eliminates the need for blowers and a built-in circulator protects the transmitter against high VSWR due to antenna mismatch.

Receiver AFC—Locks the receiver to the incoming frequency. This automatic action optimizes system stability and provides performance equal to or better than that of a receiver with $\pm 0.0002\%$ stability.

Power Supply—100% solid-state power supply provides reliable 120V ac, 60 Hz operation with line voltage variations up to $\pm 20\%$. Optional supplies are available for 120/240V ac, 50/60 Hz; for 12V dc operation; and for $\pm 20\%$, -40% line variations. The standard supply provides transient protection

against line surges and against lightning up to 200 watt-seconds at 2,500 volts. Optional supplies use ac standard with automatic switching to battery operation upon power failure, and provide charging for standby 12V dc battery systems. Current limiting protects against overloads and short circuits; supply returns to full capacity when short or overload is removed.

Installation/Operation Flexibility & Benefits

Cabinet Versatility — MICOR base stations are available in compact cabinets that are rugged yet attractive enough for any office environment. These vinyl-covered cabinets will maintain their good appearance for years and are not subject to scratching or chipping. The new 60-inch indoor cabinet even has enough room to house a duplexer. Outdoor cabinets are vinyl-covered aluminum for the combined advantages of vinyl protection against the elements and rust-free aluminum. Up-right cabinets are painted steel.

Remote Control—Either dc remote control or tone remote control is available.

Tone remote control permits station control over any voice frequency path, wire or carrier. There is no need for dc continuity. Tone control has greater versatility; there are more functions to choose from than with dc control. Tone control has greater capability; as many as 11 different station functions can be controlled from a tone remote console. Conversion from dc to tone control is accomplished by simple change-out of plug-in modules, assuring against station obsolescence due to loss of dc continuity.

Reliability and Ease of Service & Benefits

All Solid State — The MICOR base stations provide the long term reliability inherent with 100% solid state design including the use of integrated circuits. There are no relays; the MICOR antenna switch is a hermetically sealed reed switch tested up to 200 million operations. There is no blower to maintain or replace.

New UNI-CHASSIS Construction—Antenna network, remote control functions, receiver circuits, the transmitter power control, and all low level transmitter circuits are combined on a unified circuit board "chassis." This consolidation of these normally separated units reduces intercabling and increases reliability.

Factory Pre-Test—All stations are operated in the factory under normal operating conditions prior to shipping.

Factory pre-test weeds out most problems which might otherwise occur during initial operation.

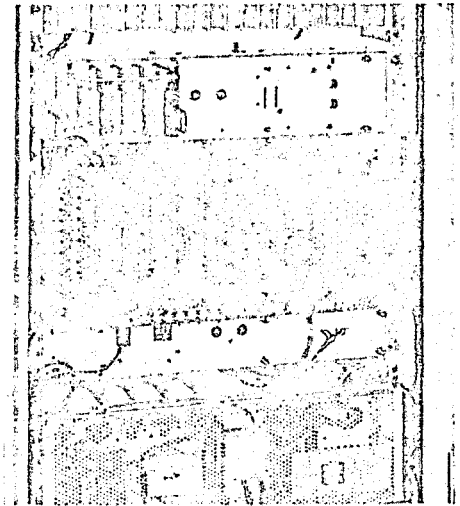
Maintenance Features — Plug-in modules speed up service and maintenance. Standard 19" rack mounting is used for all major chassis, allowing for easy removal and replacement for service or for relay rack mounting. Metering sockets and optional metering panel make servicing much easier. Service intercom is also optionally available for providing communications between the remote console and station.

Options & Benefits

Multiple Frequency Operation — Tone remote control stations are available with up to four-frequency transmit and four-frequency receive. DC remote control models are available with two-frequency transmit and receive. Two-receiver models are also available.

Multiple PRIVATE-LINE Squelch—Permits up to four Private-Line squelch code capability, transmit or receive or both. This option is available only on tone control stations and is not available with T4R4 stations.

DIGITAL PRIVATE-LINE Coded Squelch—Digital Private-Line squelch is a totally new coded squelch system. It is completely solid state, using large scale integrated circuitry. Coded squelch eliminates annoying co-channel message reception. Your operators will only hear those calls that have your individual system code. When a message is finished, your receivers will be muted until another unit in your system originates a message. Operator fatigue is thereby reduced and missed or misunderstood messages are minimized.



Consolidating many normally-separated circuits onto this Uni-Chassis circuit board "chassis" reduces intercabling while increasing serviceability.

The 80 new, unique system codes provided by Digital Private-Line squelch insure the effectiveness of your communications system for years to come.

Duplex Operation — RT repeaters are available that can transmit and receive simultaneously without degrading radio performance. RF filter kits are included.

Duplexer — Pass-notch duplexers are available for duplex and repeater applications. Two and four-cavity models are available, depending on transmit-receive frequency separations. Motorola's patented-design duplexer is effective at frequency separations as low as 2.0 MHz.

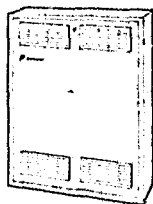
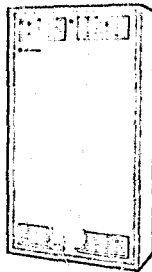
Time-Out Timer—The timer is available in 1/2, 1, 2, 4 or 8 minute intervals. It is provided as a standard feature with repeaters. Time-out timer prevents transmitter lock-up by automatically shutting off the transmitter after a preset interval.

Pre-Amplifier—Improves the usable receiver sensitivity from 0.35 μ V to 0.175 μ V. In low noise areas, this has the same effect on system coverage as doubling the transmitter power.

Voting Encoder — Permits use of the receiver as a satellite receiver in a Total Area Coverage (TAC) system.

Remote Control Station

Indoor cabinet 22"W x 41"H x 10"D
(559 x 1041 x 254 mm)
Shipping Wt. 190 lbs.
(86,2 kg)

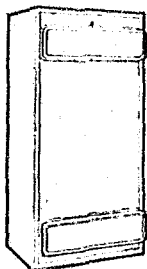
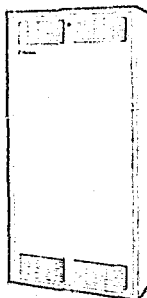


Remote Control Station

(12W models only)
Indoor cabinet
22"W x 30 1/4"H x 11 1/2"D
(incl. knobs)
(559 x 768 x 292 mm)
Shipping Wt. 150 lb.
(68 kg.)

Remote Control Station

Indoor cabinet 22"W x 60"H x 19 1/4"D
(559 x 1524 x 489 mm)
Shipping Wt. 200 lbs.
(90,7 kg)



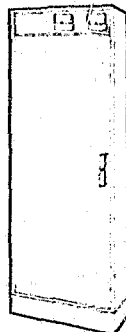
Remote Control Station

Outdoor cabinet (incl. vents) 22"W x 46"H x 20"D
(559 x 1169 x 508 mm)
Shipping Wt. 180 lbs.
(81,7 kg)

Remote Control Station

Indoor upright cabinet
21 3/4"W x 70"H x 20 1/4"D
(552 x 1768 x 514 mm)
Shipping Wt. 383 lbs.
(173,2 kg)

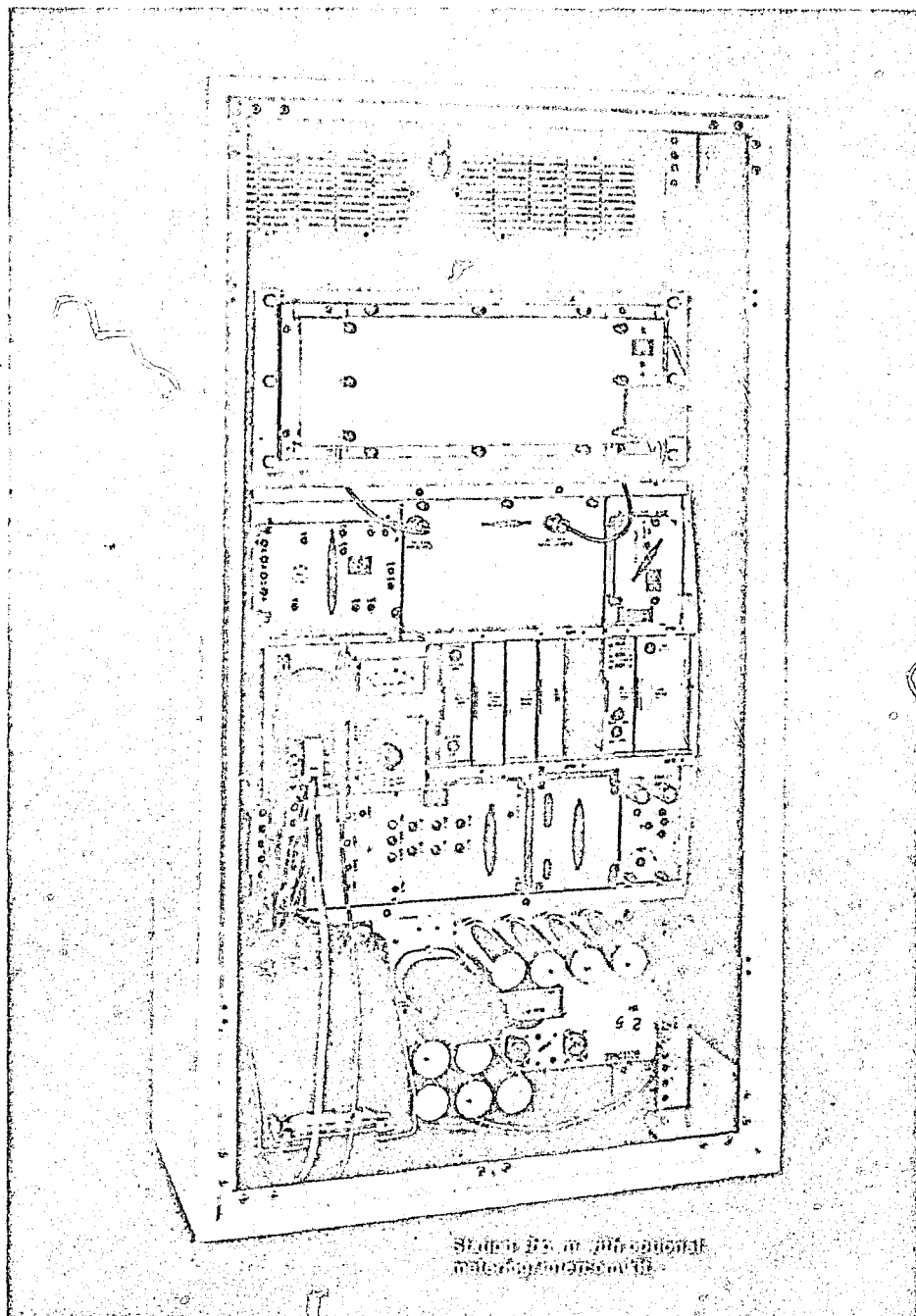
Outdoor upright model also available



Other Options Available

Transmit Switch
Mute 2nd Receiver
Control Point Intercom (with speaker)
Remote Squelch Control
Paging/PL Transmit On-Off

Single-tone Decoder
Four-Wire Audio
PRIVATE-LINE Squelch
Repeater set-up and knock-down
Wild Card



Station for optional
intercom system

UHF MICOR Base Stations and Repeaters

Guaranteed Performance Specifications

General

Model	Frequency (MHz)	Minimum RF Output Power	Maximum Input Power†	Input Voltage	Input Current (Amps)			
					AC		13.6V dc Negative Ground	
B/C34RCB	406-420, 450-512	12W	30W	120V ac $\pm 20\%$, 60 Hz (optional 120/240V 50/60 Hz $\pm 20\% - 40\%$)	Stby.	Xmt.	Stby.	Xmt.
B/C44RCB	450-512	20W	60W		.85	2.1	1.5	10.0
B/C54RCB	406-420, 450-512	45W*	120W		.85	2.6	1.5	11.0
B/C64RCB	406-420, 450-512	75W**	180W		.85	3.8	1.5	17.9
					.85	6.1	1.5	27.0

All Models Continuous Duty † 450-470 MHz * 40W 470-512 MHz **60W 470-512 MHz

No. of Frequencies:	Single, two-frequency and two-receiver stations (dc and tone remote control) Four-frequency stations (tone remote control) Single frequency repeaters (dc or tone remote control)
Squelch options:	Carrier squelch, Private-Line coded squelch, and Digital Private-Line squelch.
Metering:	Upright unit—2 panel-mounted meters, with associated selector switches, provide resonant indication of all receiver, exciter, and power amplifier circuits essential to tuning and checking. COMPA-STATION radio unit—Optional internal-mounted meter used to measure all essential circuits for tuning and checking.

Transmitter

Antenna Connector:	Base Station Type "N" Repeater Station Xmt.—Type "N" Recr.—Type "BNC"
Optional Duplexer	Type "UHF"
RF Output Power:	75W, 45W, 12W (406-420 MHz) 75W, 45W, 20W, 12W (450-470 MHz) 60W, 40W, 20W, 12W (470-512 MHz)
Output Impedance:	50 Ohms
Oscillator Frequency Stability:	Channel element maintains oscillator frequency within $\pm 0.002\%$ from -30°C to $+60^{\circ}\text{C}$ ambient ($+25^{\circ}\text{C}$ ref.)
Transmitter Sideband Noise:	--85 dB @ ± 25 kHz --100 dB @ ± 1 MHz
Spurious and Harmonics:	More than 85 dB below carrier

Modulation:	15F2 and 16F3: ± 5 kHz for 100% at 1000 Hz
Audio Sensitivity:	0.120 volt ± 3 dB for 60% maximum deviation at 1000 Hz Remote Telephone Line: --20 dBm max. for 60% maximum deviation at 1000 Hz
FM Noise:	55 dB below 60% system deviation at 1000 Hz
Audio Response:	+1, --3 dB from 6 dB/octave pre-emphasis, 300-3000 Hz, referenced to 1000 Hz
Audio Distortion:	Less than 2% at 1000 Hz; 60% system deviation
FCC Designation:	450-470 MHz 470-494 MHz 494-512 MHz
	12W CC4221C CC4221C-1 CC4221C-2
	20W CC4222C CC4222C-1 CC4222C-2
	45W (40W) CC4223C CC4223C-1 CC4223C-2
	75W (60W) CC4224C CC4224C-1 CC4224C-2

Receiver

Channel Spacing:	25 kHz
EIA Modulation Acceptance:	± 7 kHz minimum
Oscillator Frequency Stability:	Channel element and AFC maintains oscillator frequency within $\pm 0.002\%$ from -30°C to $+60^{\circ}\text{C}$ ambient ($+25^{\circ}\text{C}$ reference)
	WITHOUT PREAMP WITH PREAMP
Sensitivity—20 dB Quieting:	Less than 0.5 μV Less than 0.25 μV
EIA SINAD:	Less than 0.35 μV Less than 0.175 μV
Selectivity EIA SINAD (± 25 kHz):	--90 dB --90 dB
Intermodulation—EIA SINAD:	--85 dB --80 dB
Spurious and Image Rejection:	100 dB min. 100 dB min.
Squelch Sensitivity—Carrier Squelch (adjustable):	0.25 μV or less at threshold 0.125 μV or less at threshold
Tone-Coded Squelch (fixed):	0.25 μV or less 0.125 μV or less
Audio Characteristics—Remote Control Models:	Telephone Line: Output: +18 dBm at 600 ohms Response: +1, --3 dB Distortion: 3% at 1000 Hz Hum & Noise: --55 dB For Local Speaker: Output Available: 10 watts at 8 ohms Response: +1, --8 dB Distortion: 5% at 1000 Hz Hum & Noise: --50 dB
RF Input Impedance:	Nominal 50 Ohms

Notes:

1. 75W models are licensable under FCC Rules Parts 21, 89 and 91.
2. 60W models are licensable under FCC Rules Parts 21, 89, 91 and 93.
3. 45W models are licensable under FCC Rules Parts 21, 89, 91, 93 and 95(A).
4. 40W models are licensable under FCC Rules Parts 21, 89, 91 and 93.
5. 20W models are licensable under FCC Rules Parts 21, 89, 91, 93 and 95(A).
6. 12W models are licensable under FCC Rules Parts 21, 89, 91, 93 and 95(A).



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APPENDIX K

HYPERBOLIC MAPPING

APPENDIX K

HYPERBOLIC MAPPING

This appendix presents a discussion of the derivation of the theoretical baseline data for AM phase-lock location. Theoretical baseline data for AM phase-lock equipment evaluation was obtained by first calculating the points on the families of intersecting hyperbolas to generate the theoretical resolution cells of the equipment. In this appendix, the phase normalization progress for various distance units and the basic concept of hyperbolic lane numbering is explained in terms of a simple example. The fundamental hyperbola is described. The appendix concludes with a description of the role of great circle calculations.

1. Phase Normalization

The AM phase equipment normalized the three received AM broadcast signals to a common frequency and provided output phase data exhibiting a fundamental resolution of 2 radians. Accordingly, the unit of distance measurement (typically denoted as λ) used in the theoretical hyperbolic mapping was chosen to be one freespace wavelength of non-reference electromagnetic wave traveling at approximately 3×10^8 meters per second. Conversion constants for various units are given in Table K-1.

For a given pair of radio stations, the AM phase-lock equipment has a theoretical channel resolution cell of $\frac{\lambda}{n}$ on the line connecting the two radio stations. This resolution diminishes with distance from that connecting line.

TABLE K-1 COMMONLY USED CONVERSION CONSTANTS

UNIT	UNITS PER WAVELENGTH	WAVELENGTH PER UNIT
Inches	2.30684055×10^3	4.334933×10^{-4}
Feet	192.2367126	5.20192×10^{-3}
Meters	58.59375	1.70666×10^{-2}
Miles, statute	$3.64084683 \times 10^{-2}$	27.4661376
Miles, nautical	$3.163809388 \times 10^{-2}$	31.60746674
Degrees, latitude	$5.273015647 \times 10^{-4}$	1.896448×10^3

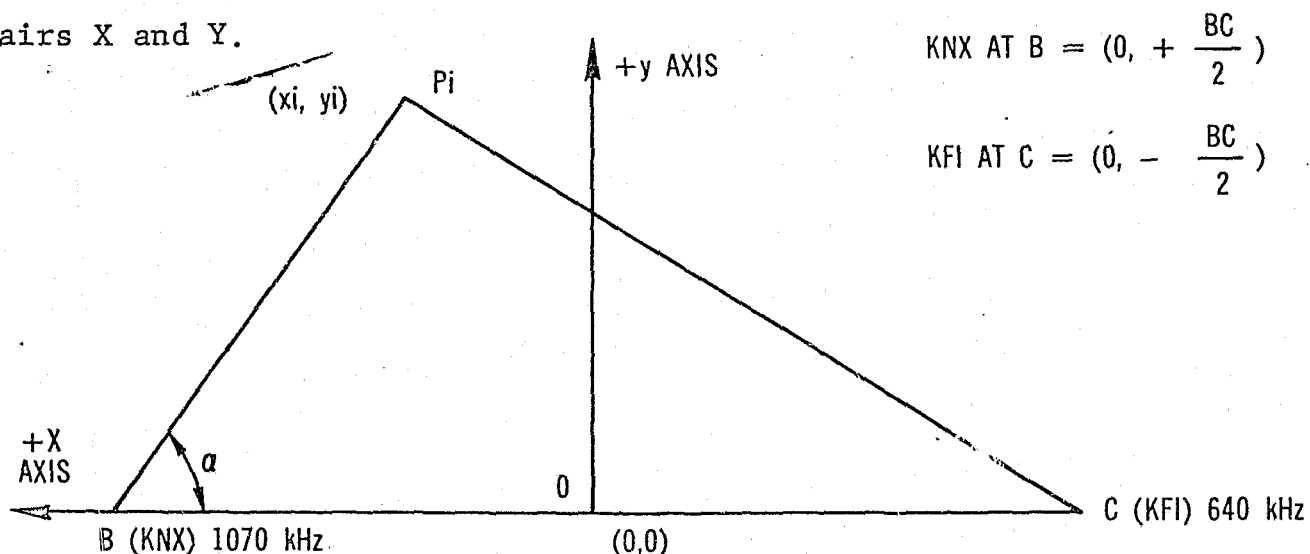
2. Lane Numbering

The AM mapping process is based on assigning a number to each hyperbolic line corresponding to a radio station pair. Hyperbolic lines at $\frac{1}{n}$ spacing are called lanes, and counts of these lanes are the basis of the AM phase-lock system.

Each pair of radio stations can be considered as being independent of the other two station pairs, and (except for the computer memory organization) each pair was operated upon nearly independently by the AM phase-lock equipment. Letter designations were assigned each pair: X for KPOL (1540 KHz) and KNX (1070 KHz), Y for KPOL and KFI (640 KHz) and Z for KNX and KFI. These letters X, Y, and Z are used primarily as subscripts for lane count notations. The letters A, B, and C are assigned to the individual stations KPOL, KNX, and KFI, respectively, to represent their location or absolute phase.

To demonstrate the significance of this symbology, consider the graphical notation of Figure A-1, which represents the station pair

Z (KNX, and KFI). The x axis is shown to intersect the two stations and the y axis is the perpendicular bisector. The higher frequency station (KNX) is in the positive x half plane (i.e., left-hand in Figure K-1) and the test area is in the positive y half plane (i.e., upper). This x,y convention was also used for station pairs X and Y.



(Note: The x axis and the y axis are not related to the station pairs X and Y.)

FIGURE K-1 AXIS NOTATION FOR STATION PAIR Z

(Note: The x axis and the y axis are not related to the station pairs X and Y.)

The location of each AM station in latitude and longitude was obtained from the Federal Communication Commission (FCC). The great circle formula described in Section 4 of this appendix was used to derive the distance BC. Similarly, distances BP_i and CP_i were calculated for several points in the Vernon area. Only two points were necessary for the mapping of the hyperbolic function grid coordinates. For example, at point P_1 , corresponding to latitude $34^{\circ}00'30''$, longitude $118^{\circ}13'30''$, the great circle distances are:

$$BP_1 = 342.6786045 \text{ wavelengths}$$

$$CP_1 = 412.463115 \text{ wavelengths}$$

$$BC = 529.773621 \text{ wavelengths}$$

From the fundamental law of cosines:

$$\cos = \frac{PB^2 + BC^2 - PC^2}{2 BP \cdot BC}$$

$$x_P = \frac{1}{2} BC - BP \cos$$

$$y_P = BP \sin$$

For point P_1

$$x_1 = 49.7355787$$

$$y_1 = 266.71815$$

In the same manner, the point P_4 at latitude $34^{\circ}00'30''$ and longitude $118^{\circ}12'00''$ has coordinates of

$$x_4 = 10.53828514 \text{ wavelengths}$$

$$y_4 = 263.8532925 \text{ wavelengths}$$

The distance from P_1 to P_4 was determined from the square root of the sum of the squares of the differences of the x and y coordinates and was found to be 39.30184795 wavelengths.

Using ordinary drafting techniques, lines corresponding to $x = 0$ and $y = 240, y = 250, y = 260 \dots y = 300$ can be constructed in plotting the hyperbolic function.

3. Hyperbolic Function

A hyperbola is the locus of a point that moves in a plane so that a constant difference is maintained between the distances from it to two fixed points of the plane. In the case of interest, there is a family of hyperbolas along which a vehicle can travel without changing the relative phase received from a pair of radio stations. Each member of the family has a unique phase compared to

all other members of the family. For convenience, the degenerate hyperbola (represented by the perpendicular bisector of the line connecting the two radio stations of interest) was assigned the lane number zero, and is referred to as the zero lane. The hyperbola intersecting the line between the radio stations at $\frac{1}{n}$ closer to the higher frequency station was assigned the +1 lane designation.

To relate this notation to the familiar hyperbolic equation $(X \div a)^2 - (Y \div b)^2 = 1$, C is the distance from $(0, 0)$ to H (one-half the distance between the two stations), a is the distance from $(0, 0)$ to the intersection of the hyperbola with the X axis $(1/2 N)$, and b is the square root of $(C^2 - a^2)$.

A more convenient notation is obtained if e is defined as $c \div a$ as in the alternate definition of hyperbolas concerning directrix. The constant e is called the eccentricity of the hyperbola; e is greater than one and has a unique value for each unsigned lane pair. Numerically, e is the distance between the radio stations divided by the lane number.

The formula

$$\sinh^{-1}\left(\frac{y}{b}\right) = u = \cosh^{-1}\left(\frac{x}{a}\right)$$

was used to map the hyperbolic family. For convenience, y and the lane number were chosen as independent variables and x was the dependent variable.

$$x = a \cosh \left(\sinh^{-1} \frac{y}{b} \right)$$

where

$$a = 1/2 \text{ lane number}$$

$$b = a \sqrt{e^2 - 1}$$

$$e = \text{distance between stations divided by the lane number.}$$

4. Great Circle Calculations

Great circle calculations were used to determine the distance between broadcast stations and the distances from reference points in Vernon to the broadcast stations. Figure K-2 illustrates the notation used in the calculations.*

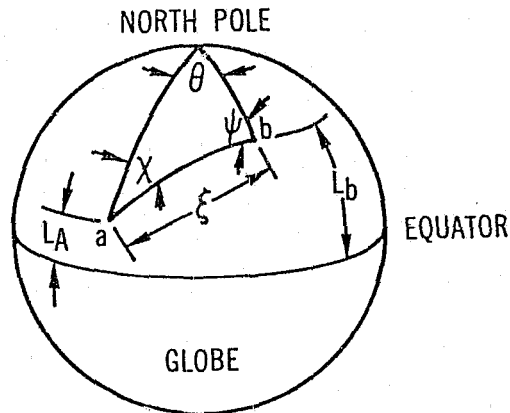


FIGURE K-2 GREAT CIRCLE CALCULATION SYMBOLS

L_b = Latitude of point of greatest latitude, b .

L_a = Latitude of point of least latitude, a .

θ = Difference in longitude between a and b .

ψ = Angle of arrival at point a .

ϕ = Angle of arrival at point b .

ξ = Distance in degrees between a and b .

Relationships from the figure follow:

$$\tan \frac{\psi}{2} = \cot \frac{\theta}{2} \sin \frac{L_b - L_a}{2} \sec \frac{L_b + L_a}{2}$$

$$\tan \frac{\phi}{2} = \cot \frac{\theta}{2} \cos \frac{L_b - L_a}{2} \csc \frac{L_b + L_a}{2}$$

$$= \tan^{-1} \tan \frac{\psi}{2} + \tan^{-1} \tan \frac{\phi}{2}$$

*Data for Radio Engineers, Fourth Edition, IT&T

$$= \tan^{-1} \tan \frac{\lambda}{2} - \tan^{-1} \tan \frac{\lambda}{2}$$

$$\tan(\frac{\lambda}{2}) = \tan \frac{L_b - L_a}{2} \sin \frac{\lambda}{2} \csc \frac{\lambda}{2}$$

$$= 2 \tan^{-1} (\tan \frac{\lambda}{2}) \text{ in degrees}$$

By definition, one degree equals 60 nautical miles. The conversion used for degrees to the standard wavelength was one degree equals 31.60746674 wavelengths.

The effect on the location accuracy of mapping the AM phase theoretical hyperbolic function is extremely small. The length error induced by assuming a "flat earth" is only 0.578 foot over a distance of 30 nautical miles, and is only 21.42 feet over a distance of 100 nautical miles. The advantage of the calculation was to allow transfer of coordinates between large scale maps. The hyperbolic calculations were based on a flat earth projection from these points. Use of corner points allowed convenient map scaling.

It was deemed impractical within the scope of this contract to develop (1) an exact mathematical expression for the spherical hyperbolic function, (2) an expression for skywave contribution, (3) a precise model of electromagnetic propagation, or (4) scattering parameters for man-made objects and natural barriers in the test area.

The earth was considered flat in the test area; however, great circle calculations were used to establish the test area coordinates relative to the broadcast stations. The resulting inaccuracy is less than 0.25 inch for a distance of 10 nautical miles from the center of the test area.

The skywave contribution at broadcast frequencies has been studied extensively over a long period of time. However, most

APPENDIX L

This section contains a days printout of all event transactions between 35 vehicles from Transcon and GI. The data was taken on April 19, 1978. A more detailed explanation of the entries is contained in Volume II.

analyses and empirical data have been concerned with long distances. Field test of the AM phase-lock equipment did not produce a measurable difference in the empirical lane map of the test area as a function of time of day as would be experienced if the skywave were a primary influence.

Electromagnetic propagation was assumed to be at 3×10^8 meters per second in free space. The actual value is less than 2.99776×10^8 . The effects of the permittivity and dielectric constant of the earth in the test area were not evaluated.

The effects of blockage and secondary reflections on the effective path length from the test area to each radio station can only be empirically derived.

In order to see how these equations are implemented, refer to subroutine LANEXY for the precise description.

DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 041
DS MSG 006
DS MSG 002
DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 005
DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 024

UE09724230

UE13222230

UE88103130

UE88513130

DS MSG 024
DS MSG 024
DS MSG 024
DS MSG 024
DL MSG 015

097 ALARM

~~LA COUNTY 10:24A CNTR MSR~~

DATE
DA19-APR-78

START

TIME
TI73200P

BAD FMT
TIME
TI073200P

LOG?
NO

SYSTEM STARTED

DS MSG 006
DS MSG 002
DS MSG 024

VC MSG 020
3 09:44P CDR,MOV R

724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:02P	ST MTY,KON	R
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:04P	STP,OUT OF RT,CDR	
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:04P	LDR,KON	R
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:04P	CDR,MOV	R
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:05P	LDR,KON	R
VC MSG 020							
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:05P	STP,OUT OF RT,CDR	
VC MSG 066 - VID 15							
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:05P	ST MTY,KON	R
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:06P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:06P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:06P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:14P	STP,OUT OF RT,CDR	
VC MSG 020							
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:14P	CDR,MOV	R
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:14P	STP,OUT OF RT,CDR	
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:15P	ST MTY,KON	R
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:15P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:15P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:15P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:15P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:18P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:18P	STP,OUT OF RT,CDR	
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:18P	CDR,MOV	R
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:18P	STP,OUT OF RT,CDR	
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	12:18P	ST MTY,KON	R
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:19P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:19P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:19P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:29P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:29P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:29P	STP,OUT OF RT,CDR	
724CKJALARM	0.3N	TLGH	NORWALK	SNTA F SP	12:29P	STP,OUT OF RT,CDR	
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	01:32A	ST MTY,KON	R
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	01:32A	ST MTY,MOV	R
VC MSG 031 - VID 11							
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	01:33A	ST MTY,MOV	R
VC MSG 031 - VID 11							
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	01:33A	ST MTY,MOV	R
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	01:33A	ST MTY,KON	R
VC MSG 031 - VID 11							
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	01:33A	ST MTY,KON	R
VC MSG 031 - VID 11							
724CKJALERT	0.3N	TLGH	NORWALK	SNTA F SP	01:34A	ST MTY,MOV	R
VC MSG 031 - VID 11							
144CKJALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:29A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:29A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:29A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:29A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:29A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:30A	STP,OUT OF RT,CDR	
VC MSG 020							
144CSZALERT	EXCELSIOR	0.2E	CRMT	NORWALK	03:31A	ST MTY,KON	R
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:31A	STP,OUT OF RT,CDR	
144CSZALERT	EXCELSIOR	0.2E	CRMT	NORWALK	03:31A	ST MTY,KON	R
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:32A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:32A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	03:32A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	06:02A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	06:02A	STP,OUT OF RT,CDR	
144CSZALERT	EXCELSIOR	0.2E	CRMT	NORWALK	06:02A	CDR,MOV	R
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	06:03A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	06:03A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	06:03A	STP,OUT OF RT,CDR	
144CSZALARM	EXCELSIOR	0.2E	CRMT	NORWALK	06:03A	STP,OUT OF RT,CDR	

933CLLALERT			LA COUNTY	09:44P	CDR,KON	R
933CLLALERT			LA COUNTY	09:44P	CDR,ST OCC	R
933CLLALERT			LA COUNTY	09:44P	CDR,LDR	R
VC MSG 066 - VID 07						
VC MSG 002						
933CLLRALERT	SMITH	NORWALK	SNTA F SP	09:46P	OUT OF RT	R
963CLLRALERT			LA COUNTY	09:48P	OUT OF RT	R
933CMNALARM	SMITH	NORWALK	SNTA F SP	09:49P	STP,OUT OF RT,CDR	
933CLLALARM	SMITH	NORWALK	SNTA F SP	09:50P	STP,OUT OF RT,CDR	
963CLLALARM			LA COUNTY	10:22P	STP,OUT OF RT,CDR	
963CMNALARM			LA COUNTY	10:22P	STP,OUT OF RT,CDR	
963CMNALARM			LA COUNTY	10:22P	STP,OUT OF RT,CDR	
963CMNALARM			LA COUNTY	10:22P	STP,OUT OF RT,CDR	
963CMNALERT			LA COUNTY	10:22P	ST MTY,KON	R
963CMNALARM			LA COUNTY	10:23P	STP,OUT OF RT,CDR	
963CMNALERT			LA COUNTY	10:24P	CDR,MOV	R
VC MSG 066 - VID 03						
963CMNALARM			LA COUNTY	10:24P	STP,OUT OF RT,CDR	
VC MSG 020						
963CMNALARM			LA COUNTY	10:24P	STP,OUT OF RT,CDR	
924CMNALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:10P	ST MTY,KON	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:10P	ST MTY,KON	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:10P	CDR,MOV	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:10P	CDR,MOV	R
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:10P	CDR,MOV	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:10P	STP,OUT OF RT,CDR	
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:39P	STP,OUT OF RT,CDR	
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:39P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:39P	ST MTY,KON	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:39P	STP,OUT OF RT,CDR	
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:39P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:39P	CDR,MOV	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:39P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:39P	CDR,MOV	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:39P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:40P	CDR,MOV	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:40P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:40P	CDR,MOV	R
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:40P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:40P	CDR,MOV	R
VC MSG 020						
924CKJALARM	SMITH	NORWALK	SNTA F SP	11:41P	STP,OUT OF RT,CDR	
924CKJALERT	SMITH	NORWALK	SNTA F SP	11:41P	CDR,MOV	R
924CKJALARM	0.3N TLGH	NORWALK	SNTA F SP	11:42P	STP,OUT OF RT,CDR	
924CKJALERT	0.3N TLGH	NORWALK	SNTA F SP	11:42P	CDR,MOV	R
924CKJALERT	0.3N TLGH	NORWALK	SNTA F SP	11:42P	ST MTY,KON	R
924CKJALARM	0.3N TLGH	NORWALK	SNTA F SP	11:42P	STP,OUT OF RT,CDR	
924CKJALERT	0.3N TLGH	NORWALK	SNTA F SP	11:42P	CDR,MOV	R
924CKJALARM	0.3N TLGH	NORWALK	SNTA F SP	11:42P	STP,OUT OF RT,CDR	
924CKJALERT	0.3N TLGH	NORWALK	SNTA F SP	11:43P	LDR,KON	R
924CKJALARM	0.3N TLGH	NORWALK	SNTA F SP	11:43P	STP,OUT OF RT,CDR	
924CKJALARM	0.3N TLGH	NORWALK	SNTA F SP	11:43P	STP,OUT OF RT,CDR	
933CKJALARM	SMITH	NORWALK	SNTA F SP	11:44P	CNTR MSR	R
924CLLALARM	0.3N TLGH	NORWALK	SNTA F SP	11:45P	STP,OUT OF RT,CDR	
924CKJALARM	0.3N TLGH	NORWALK	SNTA F SP	12:02P	STP,OUT OF RT,CDR	
924CKJALARM	0.3N TLGH	NORWALK	SNTA F SP	12:02P	STP,OUT OF RT,CDR	

144CSZALARM	EXCELSIOR	0.2E CRMT	NORWALK	06:03A	STP, OUT OF RT, CDR	
144CSZALARM	EXCELSIOR	0.2E CRMT	NORWALK	06:03A	STP, OUT OF RT, CDR	
963CSZALERT	SMITH	NORWALK	SNTA F SF	06:04A	ST MTY, MOV	R
VC MSG 047 -	VID	07				
VC MSG 031 -	VID	07				
144CSZALERT	EXCELSIOR	0.2E CRMT	NORWALK	07:19A	ST MTY, KON	R
VC MSG 031 -	VID	04				
144CSZALERT	EXCELSIOR	0.2E CRMT	NORWALK	07:20A	ST MTY, KON	R
VC MSG 031 -	VID	04				
144CSZALERT	EXCELSIOR	0.2E CRMT	NORWALK	07:20A	ST MTY, KON	
VC MSG 031 -	VID	04				
144CSZALERT	EXCELSIOR	0.2E CRMT	NORWALK	07:20A	ST MTY, KON	
VC MSG 031 -	VID	04				
144CSZALERT	EXCELSIOR	0.2E CRMT	NORWALK	07:22A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	EXCELSIOR	0.2E CRMT	NORWALK	07:25A	ST MTY, KON	
VC MSG 031 -	VID	04				
144CSZALERT	EXCELSIOR	0.2E CRMT	NORWALK	07:26A	ST MTY, MOV	
VC MSG 031 -	VID	04				
VC MSG 047 -	VID	04				
144CSZALERT	NORWALK	0.3N TLGH	NORWALK	07:38A	ST MTY, KON	
VC MSG 031 -	VID	04				
144CSZALERT	NORWALK	0.3N TLGH	NORWALK	07:39A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	LS NIETOS	PIONEER	SNTA F SF	07:44A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	BASCOM	ROSEMEAD	PCO RVERA	07:45A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	BASCOM	ROSEMEAD	PCO RVERA	07:45A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	WASHINGTON	PIONEER	LA COUNTY	07:46A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	BLUFF	ROOSEVELT	MNTEBELLO	07:50A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	GARFIELD	HEREFORD	COMMERCE	07:54A	ST MTY, MOV	
VC MSG 031 -	VID	04				
144CSZALERT	0.8E EAST	SLAUSON	COMMERCE	08:02A	ROUTE ENTRY	
144CSZALERT	15TH	TRINITY	L ANGELES	08:02A	OUT OF RT	
144CSZALERT	CRENSHAW	SM FWY	L ANGELES	08:08A	ST MTY, KON	
144CSZALERT	CRENSHAW	SM FWY	L ANGELES	08:08A	ST MTY, MOV	
VC MSG 031 -	VID	04				
VC MSG 052 -	VID	04				
VC MSG 052 -	VID	04				
VC MSG 052 -	VID	04				
VC MSG 052 -	VID	04				
VC MSG 052 -	VID	04				
VC MSG 052 -	VID	04				
963CSZALARM	SMITH	NORWALK	SNTA F SF	08:18A	CNTR MSR	
144CMNALERT	CRENSHAW	SNT BRBRA	L ANGELES	08:18A	ST MTY, KON	
VC MSG 031 -	VID	04				
VC MSG 053						
DS MSG 024						
VC MSG 053						
VC MSG 053						
144CSZALERT	COLISEUM	MUIRFIELD	L ANGELES	08:24A	ST MTY, KON	
VC MSG 031 -	VID	04				
VC MSG 053						
DS MSG 024						
DS MSG 024						
DS MSG 024						
DS MSG 024						
DS MSG 024						
DS MSG 024						
144CSZALERT	COLISEUM	MUIRFIELD	L ANGELES	08:27A	ST MTY, MOV	

VC	MSG 031 - VID 04	COLISEUM	MUIRFIELD L ANGELES	08:28A ST MTY,KON	
VC	MSG 070				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	08:29A OUT OF BDRY	
VC	MSG 070				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	08:32A OUT OF BDRY	
VC	MSG 053				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	08:34A ST MTY,KON	
VC	MSG 031 - VID 04				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	08:45A ST MTY,MOV	
VC	MSG 031 - VID 04				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	08:46A ST MTY,KON	
VC	MSG 031 - VID 04				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	08:47A ST MTY,MOV	
VC	MSG 020				
VC	MSG 031 - VID 04				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	08:48A ST MTY,KON	
VC	MSG 031 - VID 04				
VC	144CSZALARM	COLISEUM	MUIRFIELD L ANGELES	08:49A STP,OUT OF RT,CDR	
VC	924CSZALARM	SMITH	NORWALK SNTA F SP	08:50A CNTR MSR	R
VC	MSG 052 - VID 04				
VC	144CKJALERT	COLISEUM	MUIRFIELD L ANGELES	08:53A ST MTY,MOV	R
VC	MSG 031 - VID 04				
VC	144CSZALARM	COLISEUM	MUIRFIELD L ANGELES	08:55A STP,OUT OF RT,CDR	
VC	074CSZALERT	MARQUARDT	EXCELSIOR SNTA F SP	08:57A OUT OF RT	R
VC	MSG 047 - VID 04				
VC	144CNPALERT	COLISEUM	MUIRFIELD L ANGELES	09:01A RDR,ST OCC	R
VC	MSG 031 - VID 04				
VC	MSG 052 - VID 04				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	09:06A ST MTY,MOV	
VC	MSG 031 - VID 04				
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	09:15A ST MTY,MOV	
VC	MSG 031 - VID 04				
VC	MSG 052 - VID 04				
VC	933CSZALERT	SMITH	NORWALK SNTA F SP	09:18A RDR,ST OCC	
VC	144CLLALARM	COLISEUM	MUIRFIELD L ANGELES	09:20A STP,OUT OF RT,CDR	
VC	MSG 031 - VID 27				
VC	MSG 052 - VID 04				
VC	933CSZALERT	SMITH	NORWALK SNTA F SP	09:22A LDR,RDR	R
VC	MSG 031 - VID 27				
VC	933CLLALERT	SMITH	NORWALK SNTA F SP	09:23A LDR,KON	R
VC	MSG 031 - VID 27				
VC	MSG 020				
VC	933CLLALERT	SMITH	NORWALK SNTA F SP	09:23A ST MTY,KON	R
VC	144CLLALARM	COLISEUM	MUIRFIELD L ANGELES	09:24A STP,OUT OF RT,CDR	
VC	MSG 031 - VID 27				
VC	933CSZALERT	SMITH	NORWALK SNTA F SP	09:25A ST MTY,KON	R
VC	MSG 031 - VID 27				
VC	MSG 052 - VID 04				
VC	144CLLALARM	COLISEUM	MUIRFIELD L ANGELES	09:26A STP,OUT OF RT,CDR	
VC	144CSZALARM	COLISEUM	MUIRFIELD L ANGELES	09:26A STP,OUT OF RT,CDR	
VC	144CSZALERT	COLISEUM	MUIRFIELD L ANGELES	09:26A ST MTY,KON	R
VC	933CSZALERT	SMITH	NORWALK SNTA F SP	09:27A ST MTY,KON	R
VC	MSG 031 - VID 27				
VC	933CLLALERT	SMITH	NORWALK SNTA F SP	09:27A LDR,KON	R
VC	MSG 031 - VID 27				
DS	MSG 024				
DS	MSG 024				
DS	MSG 024				
DS	144CLLALARM	COLISEUM	MUIRFIELD L ANGELES	09:29A DRVR ALM	R
DS	MSG 024				
DS	933CSZALERT	SMITH	NORWALK SNTA F SP	09:32A LDR,KON	R
VC	MSG 031 - VID 27				
VC	933CLLALERT	SMITH	NORWALK SNTA F SP	09:32A LDR,KON	R
VC	MSG 031 - VID 27				

MSG	TO	FROM	INFO	TIME	STATUS	REMARKS
DS	MSG	005				
DS	MSG	024				
DS	MSG	024				
DS	MSG	024				
DS	MSG	024				
VC	MSG	031 - VID	04			
VC	MSG	031 - VID	27			
074CSZALERT	MARQUARDT	EXCELSIOR	SNTA F SP	09:34A	ST MTY,MOV	
VC	MSG	031 - VID	02			
070CNPRALERT	ALONDRA	0.2E CRMT	NORWALK	09:34A	OUT OF RT	
933CRXALERT	SMITH	NORWALK	SNTA F SP	09:34A	LDR,KON	
074CNPALERT	MARQUARDT	EXCELSIOR	SNTA F SP	09:35A	ST MTY,MOV	
VC	MSG	031 - VID	27			
933CNPALERT	SMITH	NORWALK	SNTA F SP	09:35A	LDR,KON	
144CNPALARM	COLISEUM	MUIRFIELD	L ANGELES	09:35A	STP OUT OF RT,CDR	
VC	MSG	031 - VID	27			
VC	MSG	070				
VC	MSG	031 - VID	02			
144CSZRALERT	COLISEUM	MUIRFIELD	L ANGELES	09:36A	OUT OF BDRY	R
074CSZALERT	MARQUARDT	EXCELSIOR	SNTA F SP	09:36A	ST MTY,MOV	R
VC	MSG	031 - VID	02			
074CNPALERT	MARQUARDT	EXCELSIOR	SNTA F SP	09:36A	ST MTY,MOV	
VC	MSG	031 - VID	02			
074CNPALERT	MARQUARDT	EXCELSIOR	SNTA F SP	09:36A	ST MTY,MOV	
144CNPALERT	COLISEUM	MUIRFIELD	L ANGELES	09:37A	LDR,KON	
VC	MSG	031 - VID	04			
070CNPALERT	ALONDRA	0.2E CRMT	NORWALK	09:37A	ST MTY,KON	
070CSZALERT	ALONDRA	0.2E CRMT	NORWALK	09:37A	ST MTY,MOV	
144CNPALERT	COLISEUM	MUIRFIELD	L ANGELES	09:37A	LDR,KON	
VC	MSG	020				
933CRXALERT	SMITH	NORWALK	SNTA F SP	09:38A	ST MTY,KON	
VC	MSG	031 - VID	27			
VC	MSG	031 - VID	04			
933CSZALERT	SMITH	NORWALK	SNTA F SP	09:38A	ST MTY,KON	
VC	MSG	031 - VID	27			
933CNPALERT	SMITH	NORWALK	SNTA F SP	09:38A	ST MTY,KON	
VC	MSG	031 - VID	27			
VC	MSG	052 - VID	04			
933CSZALERT	SMITH	NORWALK	SNTA F SP	09:40A	ST MTY,KON	
VC	MSG	031 - VID	27			
VC	MSG	031 - VID	02			
933CNPALERT	SMITH	NORWALK	SNTA F SP	09:41A	ST MTY,KON	
VC	MSG	031 - VID	27			
074CLLALERT	EXCELSIOR	0.2E CRMT	NORWALK	09:42A	ST MTY,MOV	
144CNPALARM	COLISEUM	MUIRFIELD	L ANGELES	09:43A	STP OUT OF RT,CDR	
070CSZRALERT	NORWALK	ALONDRA	NORWALK	09:44A	ROUTE ENTRY	R
074CRXALARM	EXCELSIOR	MARQUARDT	NORWALK	09:44A	DRVR ALM	R
144CNPALERT	COLISEUM	MUIRFIELD	L ANGELES	09:45A	LDR,KON	R
VC	MSG	031 - VID	04			
VC	MSG	020				
074CSZALERT	0.2N ALND	VALLEY VW	SNTA F SP	09:47A	ST MTY,MOV	
VC	MSG	031 - VID	02			
933CNPALERT	SMITH	NORWALK	SNTA F SP	09:48A	LDR,KON	
VC	MSG	031 - VID	27			
074CLLALARM	0.2N ALND	VALLEY VW	SNTA F SP	09:49A	STP OUT OF RT,CDR	
933CNPRALERT	IN YARD	TRANSCON	SNTA F SP	09:49A	YARD EXIT	R
933CLLRALERT	0.3N TLGH	NORWALK	SNTA F SP	09:50A	OUT OF RT	R
070CLLRALERT	ARTESIA	PARAMOUNT	LNG BEACH	09:50A	OUT OF RT	R
144CRXALERT	COLISEUM	MUIRFIELD	L ANGELES	09:58A	ST MTY,KON	R
070CSZALERT	LB FWY	0.1S GRLF	PARAMOUNT	09:58A	ST MTY,KON	R
070CSZALERT	LB FWY	0.1S GRLF	PARAMOUNT	09:58A	ST MTY,MOV	R
070CRXALERT	LB FWY	0.1S GRLF	PARAMOUNT	09:59A	ST MTY,KON	R
070CRXALERT	LB FWY	0.1S GRLF	PARAMOUNT	09:59A	ST MTY,MOV	R
070CRXALERT	LB FWY	0.1S GRLF	PARAMOUNT	10:00A	ST MTY,KON	R

070CNFALERT	LB FWY	0.1S GRLF	PARAMOUNT	10:01A	ST MTY,KON	R
VC MSG 031 - VID 02						
074CNFALARM	VALLEY VW	GANNET	SNTA F SP	10:06A	STP,OUT OF RT,CDR	
963CNFALERT	SMITH	NORWALK	SNTA F SP	10:09A	ST MTY,KON	R
VC MSG 031 - VID 07						
VC MSG 070						
144CMNRALERT	COLISEUM	MUIRFIELD	L ANGELES	10:09A	OUT OF BDRY	R
963CSZALERT	SMITH	NORWALK	SNTA F SP	10:09A	ST MTY,KON	R
963CSZALERT	SMITH	NORWALK	SNTA F SP	10:09A	ST MTY,MOV	R
VC MSG 052 - VID 04						
VC MSG 031 - VID 07						
VC MSG 031 - VID 07						
963CSZALERT	SMITH	NORWALK	SNTA F SP	10:12A	ST MTY,KON	
963CMNALERT	SMITH	NORWALK	SNTA F SP	10:12A	KY OFF,MOV	
VC MSG 031 - VID 07						
963CMNALERT	SMITH	NORWALK	SNTA F SP	10:13A	ST MTY,KON	
VC MSG 031 - VID 07						
963CMNALERT	SMITH	NORWALK	SNTA F SP	10:13A	ST MTY,KON	
963CMNALERT	SMITH	NORWALK	SNTA F SP	10:13A	ST MTY,KON	
963CMNALERT	SMITH	NORWALK	SNTA F SP	10:13A	ST MTY,KON	
963CMNALERT	SMITH	NORWALK	SNTA F SP	10:14A	ST MTY,MOV	
VC MSG 031 - VID 07						
144CMNALARM	COLISEUM	MUIRFIELD	L ANGELES	10:15A	STP,OUT OF RT,CDR	
963CSZALERT	SMITH	NORWALK	SNTA F SP	10:16A	ST MTY,MOV	R
963CMNRALERT	IN YARD	TRANSCON	SNTA F SP	10:17A	YARD EXIT	R
VC MSG 031 - VID 07						
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:17A	ST MTY,MOV	R
VC MSG 052 - VID 04						
VC MSG 031 - VID 07						
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:18A	ST MTY,KON	R
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:18A	ST MTY,MOV	R
VC MSG 031 - VID 07						
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:18A	ST MTY,MOV	R
VC MSG 031 - VID 07						
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:19A	ST MTY,MOV	R
VC MSG 031 - VID 07						
963CMNRALERT	IN YARD	TRANSCON	SNTA F SP	10:19A	OUT OF RT	R
VC MSG 031 - VID 07						
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:19A	ST MTY,MOV	R
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:21A	ST MTY,KON	R
963CMNALERT	IN YARD	TRANSCON	SNTA F SP	10:22A	ST MTY,MOV	R
144CMNALARM	COLISEUM	MUIRFIELD	L ANGELES	10:22A	STP,OUT OF RT,CDR	
VC MSG 047 - VID 07						
VC MSG 052 - VID 04						
VC MSG 031 - VID 07						
963CSZALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:24A	ST MTY,MOV	R
VC MSG 031 - VID 07						
144CMNALERT	COLISEUM	MUIRFIELD	L ANGELES	10:26A	LDR,KON	R
VC MSG 031 - VID 04						
963CSZALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:26A	ST MTY,MOV	R
VC MSG 031 - VID 07						
963CSZALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:28A	ST MTY,MOV	
070CMNALARM	LB FWY	0.1S GRLF	PARAMOUNT	10:29A	STP,OUT OF RT,CDR	
VC MSG 031 - VID 07						
144CRXALARM	COLISEUM	MUIRFIELD	L ANGELES	10:29A	STP,OUT OF RT,CDR	
VC MSG 052 - VID 04						
963CSZALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:30A	ST MTY,KON	R
963CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:30A	ST MTY,MOV	R
VC MSG 031 - VID 07						
070CMNALERT	LB FWY	0.1S GRLF	PARAMOUNT	10:34A	ST MTY,KON	R
070CRXALERT	LB FWY	0.1S GRLF	PARAMOUNT	10:35A	ST MTY,MOV	R
070CRXALERT	LB FWY	0.1S GRLF	PARAMOUNT	10:36A	ST MTY,KON	R
VC MSG 031 - VID 16						
070CNFALARM	LB FWY	0.1S GRLF	PARAMOUNT	10:36A	STP,OUT OF RT,CDR	

963CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:37A	ST MTY,MOV	
144CMNALERT	COLISEUM	MUIRFIELD	L ANGELES	10:37A	ST MTY,MOV	
VC MSG 031 -	VID 07					
VC MSG 031 -	VID 04					
074CSZALARM	VALLEY VW	GANNET	SNTA F SP	10:38A	STP,OUT OF	RT,CDR
963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:38A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
144CMNALARM	COLISEUM	MUIRFIELD	L ANGELES	10:39A	STP,OUT OF	RT,CDR
963CSZALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:40A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
963CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:41A	ST MTY,MOV	R
963CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:42A	ST MTY,KON	R
070CMNALERT	SN MARCUS	SAN JOSE	PARAMOUNT	10:42A	ST MTY,KON	R
070CRXALERT	SN MARCUS	SAN JOSE	PARAMOUNT	10:42A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
070CRXALERT	SN MARCUS	SAN JOSE	PARAMOUNT	10:42A	ST MTY,KON	R
963CRXALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:42A	ST MTY,KON	R
VC MSG 031 -	VID 07					
963CRXALARM	0.3E BLFD	TELEGRAPH	SNTA F SP	10:43A	STP,OUT OF	RT,CDR
070CMNALERT	SN MARCUS	SAN JOSE	PARAMOUNT	10:44A	ST MTY,MOV	R
144CRXALARM	COLISEUM	MUIRFIELD	L ANGELES	10:45A	STP,OUT OF	RT,CDR
VC MSG 052 -	VID 04					
963CSZALARM	0.3E BLFD	TELEGRAPH	SNTA F SP	10:47A	STP,OUT OF	RT,CDR
963CMNALARM	0.3E BLFD	TELEGRAPH	SNTA F SP	10:47A	STP,OUT OF	RT,CDR
963CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:47A	ST MTY,KON	R
963CMNALARM	0.3E BLFD	TELEGRAPH	SNTA F SP	10:47A	STP,OUT OF	RT,CDR
070CMNALERT	SN MARCUS	SAN JOSE	PARAMOUNT	10:47A	ST MTY,KON	R
070CRXALERT	SN MARCUS	SAN JOSE	PARAMOUNT	10:47A	ST MTY,MOV	R
070CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	10:47A	ST MTY,KON	R
VC MSG 031 -	VID 16					
070CRXALARM	SN MARCUS	SAN JOSE	PARAMOUNT	10:48A	STP,OUT OF	RT,CDR
963CRXALARM	0.3E BLFD	TELEGRAPH	SNTA F SP	10:48A	STP,OUT OF	RT,CDR
963CMNALARM	0.3E BLFD	TELEGRAPH	SNTA F SP	10:48A	STP,OUT OF	RT,CDR
070CMNALERT	SN MARCUS	SAN JOSE	PARAMOUNT	10:51A	ST MTY,MOV	R
074CRXALERT	VALLEY VW	GANNET	SNTA F SP	10:52A	ST MTY,MOV	R
VC MSG 031 -	VID 02					
074CNPALERT	VALLEY VW	GANNET	SNTA F SP	10:52A	ST MTY,MOV	R
VC MSG 031 -	VID 02					
074CNPALERT	HERON	MACAW	LA MIRADA	10:53A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALERT	HERON	MACAW	LA MIRADA	10:53A	ST MTY,MOV	
VC MSG 031 -	VID 02					
VC MSG 052 -	VID 04					
070CNPALARM	SN VNCNTE	WILLIAMS	LA COUNTY	10:55A	STP,OUT OF	RT,CDR
074CRXALARM	GANNET	CANARY	SNTA F SP	10:57A	STP,OUT OF	RT,CDR
144CNPALERT	COLISEUM	MUIRFIELD	L ANGELES	10:57A	ST MTY,MOV	R
VC MSG 031 -	VID 04					
074CSZALERT	HERON	MACAW	LA MIRADA	10:58A	ST MTY,KON	
074CNPALERT	HERON	MACAW	LA MIRADA	10:59A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALERT	HERON	MACAW	LA MIRADA	10:59A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALERT	HERON	MACAW	LA MIRADA	10:59A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALERT	HERON	MACAW	LA MIRADA	10:59A	ST MTY,KON	
VC MSG 031 -	VID 02					
074CNPALERT	HERON	MACAW	LA MIRADA	10:59A	ST MTY,KON	
074CNPALERT	HERON	MACAW	LA MIRADA	10:59A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALERT	HERON	MACAW	LA MIRADA	11:00A	ST MTY,MOV	
VC MSG 031 -	VID 02					
144CNPALARM	COLISEUM	MUIRFIELD	L ANGELES	11:00A	STP,OUT OF	RT,CDR
144CNPALARM	COLISEUM	MUIRFIELD	L ANGELES	11:01A	STP,OUT OF	RT,CDR
144CSZALARM	COLISEUM	MUIRFIELD	L ANGELES	11:01A	STP,OUT OF	RT,CDR
VC MSG 052 -	VID 04					

074CNPALE	HERON	MACAW	LA MIRADA	11:03A	ST MTY,KON	R
VC MSG 031 -	VID 02					
070CNPALE	SN VNCNTE	WILLIAMS	LA COUNTY	11:04A	ST MTY,KON	
144CRXALARM	COLISEUM	MUIRFIELD	L ANGELES	11:05A	STP,OUT OF	RT,CDR
144CSZALARM	COLISEUM	MUIRFIELD	L ANGELES	11:05A	STP,OUT OF	RT,CDR
144CSZALARM	COLISEUM	MUIRFIELD	L ANGELES	11:05A	STP,OUT OF	RT,CDR
144CSZALERT	COLISEUM	MUIRFIELD	L ANGELES	11:05A	KY OFF,MOV	R
VC MSG 031 -	VID 04					
VC MSG 052 -	VID 04					
070CSZALERT	SN VNCNTE	WILLIAMS	LA COUNTY	11:06A	ST MTY,MOV	R
070CRXALERT	ATLANTIC	PIXLEY	LA COUNTY	11:07A	ST MTY,KON	R
VC MSG 031 -	VID 16					
074CRXALERT	HERON	MACAW	LA MIRADA	11:09A	ST MTY,KON	
074CNPALE	HERON	MACAW	LA MIRADA	11:10A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALE	HERON	MACAW	LA MIRADA	11:11A	ST MTY,MOV	
074CNPALE	HERON	MACAW	LA MIRADA	11:11A	ST MTY,KON	
074CNPALE	HERON	MACAW	LA MIRADA	11:11A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALE	HERON	MACAW	LA MIRADA	11:11A	ST MTY,MOV	
VC MSG 031 -	VID 02					
074CNPALE	HERON	MACAW	LA MIRADA	11:12A	ST MTY,MOV	
VC MSG 020						
VC MSG 031 -	VID 02					
070CNPALE	ATLANTIC	PIXLEY	LA COUNTY	11:15A	ST MTY,KON	
070CRXALERT	ATLANTIC	PIXLEY	LA COUNTY	11:15A	ST MTY,MOV	
074CRXALERT	HERON	MACAW	LA MIRADA	11:15A	ST MTY,KON	
VC MSG 031 -	VID 02					
074CNPALE	HERON	MACAW	LA MIRADA	11:16A	ST MTY,MOV	
074CNPALE	HERON	MACAW	LA MIRADA	11:16A	ST MTY,KON	
963CNPALE	0.3E BLFD	TELEGRAPH	SNTA F SP	11:17A	ST MTY,MOV	
074CMNALE	HERON	MACAW	LA MIRADA	11:17A	ST MTY,MOV	
VC MSG 052 -	VID 04					
VC MSG 031 -	VID 02					
074CNPALE	0.2E STGE	ROSECRANS	SNTA F SP	11:18A	ST MTY,MOV	
VC MSG 031 -	VID 07					
VC MSG 031 -	VID 02					
074CNPALE	0.2E STGE	ROSECRANS	SNTA F SP	11:18A	ST MTY,MOV	
VC MSG 031 -	VID 02					
070CNPALE	ATLANTIC	PIXLEY	LA COUNTY	11:18A	STP,OUT OF	RT,CDR
963CRXALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:19A	ST MTY,MOV	R
074CMNALE	VALLEY VW	FOSTER	SNTA F SP	11:19A	ST MTY,MOV	R
VC MSG 031 -	VID 02					
VC MSG 031 -	VID 07					
074CNPALE	VALLEY VW	FOSTER	SNTA F SP	11:20A	ST MTY,KON	
VC MSG 031 -	VID 02					
963CNPALE	0.3E BLFD	TELEGRAPH	SNTA F SP	11:21A	ST MTY,MOV	
070CMNALE	PIXLEY	ATLANTIC	LA COUNTY	11:21A	ST MTY,KON	
074CRXALARM	VALLEY VW	FOSTER	SNTA F SP	11:21A	STP,OUT OF	RT,CDR
070CNPALE	PIXLEY	ATLANTIC	LA COUNTY	11:22A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
VC963CRXALERT	VID 073E BLFD	TELEGRAPH	SNTA F SP	11:24A	ST MTY,MOV	R
963CMNALE	0.3E BLFD	TELEGRAPH	SNTA F SP	11:24A	ST MTY,KON	R
VC MSG 031 -	VID 07					
963CMNALE	0.3E BLFD	TELEGRAPH	SNTA F SP	11:24A	ST MTY,KON	R
VC MSG 052 -	VID 04					
VC MSG 047 -	VID 07					
070CMNALE	PIXLEY	ATLANTIC	LA COUNTY	11:25A	ST MTY,KON	R
VC MSG 031 -	VID 07					
VC MSG 052 -	VID 04					
VC MSG 031 -	VID 16					
963CRXALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:26A	ST MTY,MOV	
070CMNALE	PIXLEY	ATLANTIC	LA COUNTY	11:26A	ST MTY,KON	
070CRXALERT	PIXLEY	ATLANTIC	LA COUNTY	11:27A	ST MTY,MOV	

VC	MSG 052 -	VID 07			
VC	MSG 052 -	VID 07			
VC	MSG 052 -	VID 07			
VC	MSG 052 -	VID 07			
VC	MSG 031 -	VID 07			
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:28A ST MTY,KON
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:28A ST MTY,MOV
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:28A ST MTY,KON
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:28A ST MTY,MOV
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:28A ST MTY,KON
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:28A ST MTY,MOV
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:28A ST MTY,KON
	963CRXALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:28A ST MTY,MOV
VC	MSG 031 -	VID 16			
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	11:29A STP,OUT OF RT,CDR
	963CRXALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:29A ST MTY,KON R
	074CMNALARM	BORA	VALLEY VW	LA MIRADA	11:29A STP,OUT OF RT,CDR
	074CNPALARM	BORA	VALLEY VW	LA MIRADA	11:30A STP,OUT OF RT,CDR
VC	MSG 031 -	VID 07			
	074CNPALARM	BORA	VALLEY VW	LA MIRADA	11:34A STP,OUT OF RT,CDR
	074CNPALARM	BORA	VALLEY VW	LA MIRADA	11:34A STP,OUT OF RT,CDR
	070CNPALERT	HARRIS	ORLANDA	LYNWOOD	11:34A ST MTY,KON R
	070CNPALERT	HARRIS	ORLANDA	LYNWOOD	11:34A ST MTY,MOV R
	070CNPALERT	HARRIS	ORLANDA	LYNWOOD	11:34A ST MTY,KON R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	11:35A ST MTY,MOV R
	074CRXALARM	BORA	VALLEY VW	LA MIRADA	11:36A STP,OUT OF RT,CDR
	074CNPALARM	BORA	VALLEY VW	LA MIRADA	11:37A STP,OUT OF RT,CDR
	963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:37A ST MTY,MOV R
	963CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:38A ST MTY,KON R
VC	MSG 066 -	VID 23			
VC	MSG 031 -	VID 16			
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	11:39A STP,OUT OF RT,CDR
VC	MSG 066 -	VID 03			
	074CRXALERT	BORA	VALLEY VW	LA MIRADA	11:42A ST MTY,KON R
	963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:42A ST MTY,MOV R
	074CMNALERT	BORA	VALLEY VW	LA MIRADA	11:43A ST MTY,MOV R
	074CNPALERT	BORA	VALLEY VW	LA MIRADA	11:44A ST MTY,KON R
VC	MSG 031 -	VID 02			
	074CNPALERT	BORA	VALLEY VW	LA MIRADA	11:44A ST MTY,MOV R
VC	MSG 031 -	VID 02			
VC	MSG 031 -	VID 07			
	963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:45A ST MTY,KON
VC	MSG 047 -	VID 07			
	074CMNALERT	CRISTOBAL	BURGESS	LA MIRADA	11:45A ST MTY,MOV
	963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:45A ST MTY,MOV
VC	MSG 020				
VC	MSG 031 -	VID 02			
VC	MSG 031 -	VID 07			
	074CNPALERT	CRISTOBAL	BURGESS	LA MIRADA	11:46A ST MTY,MOV
VC	MSG 031 -	VID 02			
	963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:46A ST MTY,KON
VC	MSG 031 -	VID 07			
	074CMNALERT	ESCALONA	NEARTREE	LA MIRADA	11:47A ST MTY,MOV
VC	MSG 031 -	VID 02			
	074CNPALERT	ESCALONA	NEARTREE	LA MIRADA	11:47A ST MTY,MOV
VC	MSG 031 -	VID 02			
	074CNPALERT	ESCALONA	NEARTREE	LA MIRADA	11:47A ST MTY,MOV
VC	MSG 031 -	VID 02			
	963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:47A ST MTY,MOV
VC	MSG 066 -	VID 23			
	963CNPALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:51A ST MTY,MOV
VC	MSG 031 -	VID 07			
	963CMNALERT	0.3E BLFD	TELEGRAPH	SNTA F SP	11:51A ST MTY,MOV
VC	MSG 066 -	VID 15			

VC MSG 052 -	VID 07					
VC MSG 052 -	VID 07					
963CMNALARM	7TH	ALAMEDA	L ANGELES	11:53A	STP,OUT OF RT,CDR	
VC MSG 066 -	VID 03					
963CMNALERT	7TH	ALAMEDA	L ANGELES	11:54A	ST MTY,KON	R
963CMNALERT	7TH	ALAMEDA	L ANGELES	11:55A	ST MTY,MOV	R
VC MSG 066 -	VID 03					
VC MSG 031 -	VID 07					
963CMNALERT	7TH	ALAMEDA	L ANGELES	11:56A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
963CMNALERT	7TH	ALAMEDA	L ANGELES	11:58A	ST MTY,KON	R
963CMNALERT	7TH	ALAMEDA	L ANGELES	11:59A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
VC 963CMNALERT	VID 07TH	ALAMEDA	L ANGELES	12:01A	ST MTY,KON	R
963CMNALERT	8TH	SANTA FE	L ANGELES	12:03A	ST MTY,KON	R
963CMNALERT	8TH	SANTA FE	L ANGELES	12:03A	ST MTY,KON	R
963CMNALARM	8TH	SANTA FE	L ANGELES	12:04A	STP,OUT OF RT,CDR	
070CMNALERT	HARRIS	ORLANDA	LYNWOOD	12:25A	ST MTY,MOV	R
070CRXALERT	HARRIS	ORLANDA	LYNWOOD	12:26A	ST MTY,KON	R
070CRXALERT	HARRIS	ORLANDA	LYNWOOD	12:26A	ST MTY,MOV	R
070CRXALERT	HARRIS	ORLANDA	LYNWOOD	12:26A	ST MTY,KON	R
070CRXALERT	HARRIS	ORLANDA	LYNWOOD	12:26A	ST MTY,MOV	R
070CRXALERT	HARRIS	ORLANDA	LYNWOOD	12:26A	ST MTY,KON	R
VC MSG 031 -	VID 16					
963CRXALARM	8TH	SANTA FE	L ANGELES	12:32A	STP,OUT OF RT,CDR	
070CMNALARM	HARRIS	ORLANDA	LYNWOOD	12:33A	STP,OUT OF RT,CDR	
963CRXALARM	8TH	SANTA FE	L ANGELES	12:34A	STP,OUT OF RT,CDR	
963CMNALERT	8TH	SANTA FE	L ANGELES	12:38A	ST MTY,KON	R
881CMNALARM		LA COUNTY		12:40A	CNTR MSR	R
VC MSG 031 -	VID 07					
963CC6ALERT	8TH	SANTA FE	L ANGELES	12:40A	ST MTY,KON	R
VC MSG 031 -	VID 07					
VC MSG 066 -	VID 15					
963CMNALERT	8TH	SANTA FE	L ANGELES	12:41A	ST MTY,MOV	R
963CMNALERT	8TH	SANTA FE	L ANGELES	12:42A	ST MTY,KON	R
963CMNALERT	8TH	SANTA FE	L ANGELES	12:43A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
VC MSG 047 -	VID 07					
963CMNALERT	8TH	SANTA FE	L ANGELES	12:44A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
963CMNALERT	8TH	SANTA FE	L ANGELES	12:45A	ST MTY,MOV	R
VC MSG 031 -	VID 07					
963CMNALERT	8TH	SANTA FE	L ANGELES	12:46A	ST MTY,KON	R
963CMNALERT	8TH	SANTA FE	L ANGELES	12:47A	ST MTY,MOV	R
VC MSG 052 -	VID 07					
963CMNALARM	SANTA ANA	LORENA	L ANGELES	12:47A	DRVR ALM	R
963CMNALERT	SANTA ANA	LORENA	L ANGELES	12:49A	ST MTY,MOV	R
963CMNALERT	SANTA ANA	LORENA	L ANGELES	12:49A	RDR,MOV	R
144CMNALERT	COLISEUM	MUIRFIELD	L ANGELES	12:49A	ST MTY,KON	R
VC MSG 031 -	VID 04					
963CSZALERT	SANTA ANA	LORENA	L ANGELES	12:50A	ST MTY,KON	
VC MSG 031 -	VID 07					
963CMNALERT	SANTA ANA	LORENA	L ANGELES	12:51A	ST MTY,KON	
144CMNALERT	COLISEUM	MUIRFIELD	L ANGELES	12:52A	ST MTY,KON	
963CSZALERT	SANTA ANA	LORENA	L ANGELES	12:52A	ST MTY,MOV	
VC MSG 031 -	VID 04					
963CSZALERT	SANTA ANA	LORENA	L ANGELES	12:53A	ST MTY,KON	
VC MSG 052 -	VID 04					
963CMNALERT	0.3N TLGH	NORWALK	SNTA F SP	12:54A	ST MTY,MOV	
144CLLALERT	COLISEUM	MUIRFIELD	L ANGELES	12:55A	ST MTY,MOV	
VC MSG 031 -	VID 04					
963CSZALARM	0.4E SOTO	SANTA ANA	L ANGELES	12:56A	STP,OUT OF RT,CDR	
VC MSG 070						
144CSZRALERT	COLISEUM	MUIRFIELD	L ANGELES	12:57A	OUT OF BDRY	
				12:57A	ST MTY,KON	

VC MSG 070	963CMNALERT	0.4E SOTO	SANTA ANA	L ANGELES	12:57A	ST MTY,KON	
VC MSG 070	144CMNALERT	COLISEUM	MUIRFIELD	L ANGELES	12:58A	OUT OF BDRY	
VC MSG 070	963CSZALERT	0.4E SOTO	SANTA ANA	L ANGELES	12:58A	ST MTY,MOV	
VC MSG 070	144CMNALERT	COLISEUM	MUIRFIELD	L ANGELES	12:59A	OUT OF BDRY	
VC MSG 031 - VID 07	963CSZALERT	0.4E SOTO	SANTA ANA	L ANGELES	01:01P	ST MTY,KON	
VC MSG 031 - VID 04	144CMNALERT	COLISEUM	MUIRFIELD	L ANGELES	01:02P	ST MTY,MOV	
VC MSG 031 - VID 07	VC MSG 070						
VC MSG 070	144CSZRALERT	COLISEUM	MUIRFIELD	L ANGELES	01:07P	OUT OF BDRY	
VC MSG 070	144CSZRALERT	COLISEUM	MUIRFIELD	L ANGELES	01:10P	OUT OF BDRY	
VC MSG 053	963CSZALARM	0.4E SOTO	SANTA ANA	L ANGELES	01:12P	STP,OUT OF RT,CDR	
VC MSG 047 - VID 04	070CMNALERT	HARRIS	ORLANDA	LYNWOOD	01:15P	ST MTY,KON	R
VC MSG 052 - VID 04	074CRXALERT	STAGE	0.3N ESCL	LA MIRADA	01:15P	ST MTY,MOV	R
	963CNFALERT	0.4E SOTO	SANTA ANA	L ANGELES	01:17P	ST MTY,MOV	R
	070CMNALERT	HARRIS	ORLANDA	LYNWOOD	01:17P	ST MTY,MOV	R
	144CRXALARM	COLISEUM	MUIRFIELD	L ANGELES	01:17P	STP,OUT OF RT,CDR	
	070CSZALERT	HARRIS	ORLANDA	LYNWOOD	01:18P	ST MTY,KON	R
VC MSG 031 - VID 16	VC MSG 031 - VID 02						
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:18P	STP,OUT OF RT,CDR	
	074CRXALERT	TROJAN	DESMAN	LA MIRADA	01:19P	ST MTY,MOV	R
	070CNFALERT	HARRIS	ORLANDA	LYNWOOD	01:20P	ST MTY,KON	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:20P	ST MTY,MOV	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:20P	ST MTY,KON	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:20P	ST MTY,MOV	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:21P	ST MTY,KON	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:21P	ST MTY,MOV	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:22P	ST MTY,KON	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:22P	ST MTY,MOV	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:23P	ST MTY,KON	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:23P	ST MTY,MOV	R
	963CRXALERT	0.4E SOTO	SANTA ANA	L ANGELES	01:23P	ST MTY,MOV	R
VC MSG 020	070CMNALERT	HARRIS	ORLANDA	LYNWOOD	01:23P	ST MTY,KON	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:23P	ST MTY,MOV	R
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:24P	ST MTY,KON	R
VC MSG 031 - VID 16	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:24P	STP,OUT OF RT,CDR	
VC MSG 031 - VID 07	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:24P	STP,OUT OF RT,CDR	
	963CRXALERT	0.4E SOTO	SANTA ANA	L ANGELES	01:26P	ST MTY,KON	R
	070CMNALARM	HARRIS	ORLANDA	LYNWOOD	01:26P	STP,OUT OF RT,CDR	
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:26P	STP,OUT OF RT,CDR	
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:26P	ST MTY,KON	R
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:26P	STP,OUT OF RT,CDR	
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:26P	ST MTY,KON	R
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:26P	STP,OUT OF RT,CDR	
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:26P	ST MTY,KON	R
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:26P	STP,OUT OF RT,CDR	
	070CRXALERT	HARRIS	ORLANDA	LYNWOOD	01:26P	ST MTY,KON	R
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:27P	STP,OUT OF RT,CDR	
	963CRXALERT	0.4E SOTO	SANTA ANA	L ANGELES	01:27P	ST MTY,MOV	R
	070CMNALERT	HARRIS	ORLANDA	LYNWOOD	01:27P	ST MTY,KON	R
	070CRXALARM	HARRIS	ORLANDA	LYNWOOD	01:27P	STP,OUT OF RT,CDR	
VC MSG 031 - VID 07	VC MSG 047 - VID 07						

MSG	VID	FROM	TO	TIME	STATUS	REMARKS
963CMNALERT	07	0.4E SOTO	SANTA ANA L ANGELES	01:32P	ST MTY,KON	R
070CMNALERT		HARRIS	ORLANDA LYNWOOD	01:32P	ST MTY,MOV	R
963CRXALERT	07	0.4E SOTO	SANTA ANA L ANGELES	01:32P	ST MTY,MOV	R
070CRXALERT		HARRIS	ORLANDA LYNWOOD	01:32P	ST MTY,KON	R
070CRXALERT		HARRIS	ORLANDA LYNWOOD	01:32P	ST MTY,MOV	R
070CRXALERT		HARRIS	ORLANDA LYNWOOD	01:33P	ST MTY,KON	R
VC MSG 020						
VC MSG 031 -	VID 07					
070CRXALERT		HARRIS	ORLANDA LYNWOOD	01:33P	ST MTY,MOV	R
963CRXALERT	07	0.4E SOTO	SANTA ANA L ANGELES	01:33P	ST MTY,MOV	R
144CMNALARM		STOCKER	DEGNAN L ANGELES	01:34P	STP,OUT OF RT,CDR	
VC MSG 031 -	VID 07					
070CSZALERT		HARRIS	ORLANDA LYNWOOD	01:35P	ST MTY,KON	R
070CRXALERT		HARRIS	ORLANDA LYNWOOD	01:35P	ST MTY,MOV	R
963CRXALERT	07	0.4E SOTO	SANTA ANA L ANGELES	01:35P	ST MTY,MOV	R
VC MSG 031 -	VID 02					
074CNPALENT		0.3N ESCL	STAGE LA MIRADA	01:36P	ST MTY,MOV	
VC MSG 031 -	VID 07					
070CNPALENT		CARLIN	HARRIS LYNWOOD	01:36P	ST MTY,KON	
VC MSG 031 -	VID 02					
074CRXALERT		0.3N ESCL	STAGE LA MIRADA	01:36P	ST MTY,MOV	
070CNPALENT		CARLIN	HARRIS LYNWOOD	01:36P	ST MTY,MOV	
070CNPALENT		CARLIN	HARRIS LYNWOOD	01:36P	ST MTY,KON	
963CRXALERT	07	0.4E SOTO	SANTA ANA L ANGELES	01:37P	ST MTY,KON	
VC MSG 031 -	VID 07					
070CRXALERT		CARLIN	HARRIS LYNWOOD	01:37P	ST MTY,MOV	
070CRXALERT		CARLIN	HARRIS LYNWOOD	01:37P	ST MTY,KON	
070CRXALERT		CARLIN	HARRIS LYNWOOD	01:38P	ST MTY,MOV	
070CRXALERT		CARLIN	HARRIS LYNWOOD	01:38P	ST MTY,KON	
070CRXALERT		CARLIN	HARRIS LYNWOOD	01:38P	ST MTY,MOV	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:38P	ST MTY,KON	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:38P	ST MTY,MOV	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:39P	ST MTY,KON	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:39P	ST MTY,MOV	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:39P	ST MTY,KON	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:39P	ST MTY,MOV	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:39P	ST MTY,KON	
VC MSG 052 -	VID 07					
VC MSG 031 -	VID 16					
070CRXALARM		ORLANDA	STONEACRE LYNWOOD	01:39P	STP,OUT OF RT,CDR	
963CRXALERT	07	0.4E SOTO	SANTA ANA L ANGELES	01:40P	ST MTY,MOV	R
144CRXALERT		STOCKER	DEGNAN L ANGELES	01:41P	ST MTY,MOV	R
VC MSG 031 -	VID 04					
144CSZALERT		STOCKER	DEGNAN L ANGELES	01:41P	ST MTY,MOV	
VC MSG 031 -	VID 04					
070CSZALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,KON	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,MOV	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,KON	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,MOV	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,KON	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,MOV	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,KON	
070CRXALERT		ORLANDA	STONEACRE LYNWOOD	01:43P	ST MTY,MOV	
VC MSG 031 -	VID 07					
144CRXALERT		0.3S SBAR	LEIMERT L ANGELES	01:44P	ST MTY,MOV	
VC MSG 031 -	VID 04					
070CRXALERT		STONEACRE	ORLANDA LYNWOOD	01:45P	ST MTY,KON	
070CRXALERT		STONEACRE	ORLANDA LYNWOOD	01:45P	ST MTY,MOV	
963CRXALERT	07	0.4E SOTO	SANTA ANA L ANGELES	01:45P	ST MTY,MOV	
VC MSG 031 -	VID 24					
DL MSG 017						
144CRXALERT		SNT BRBRA	CRENSHAW L ANGELES	01:45P	ST MTY,MOV	
VC MSG 066 -	VID 15					
070CSZALERT		FIXLEY	ATLANTIC LA COUNTY	01:47P	ST MTY,KON	
VC MSG 020						

070CRXALERT	VID 16	PIXLEY	ATLANTIC	LA COUNTY	01:48P	STP, OUT OF RT, CDR	R
144CRXALARM		SNT BRBRA	CRENSHAW	L ANGELES	01:48P	STP, OUT OF RT, CDR	R
070CSZALERT		PIXLEY	ATLANTIC	LA COUNTY	01:49P	ST MTY, KON	R
VC MSG 031 -	VID 16						
070CRXALARM		PIXLEY	ATLANTIC	LA COUNTY	01:50P	STP, OUT OF RT, CDR	R
074CRXALERT		0.3N ESCL	STAGE	LA MIRADA	01:50P	ST MTY, KON	R
VC MSG 031 -	VID 07						
VC MSG 031 -	VID 02						
144CNPALARM		39TH	CRENSHAW	L ANGELES	01:51P	DRVR ALM	R
933CSZALARM		0.3N TLGH	NORWALK	SNTA F SP	01:52P	CNTR MSR	R
963CLLALARM		SOTO	WHITTIER	L ANGELES	01:52P	STP, OUT OF RT, CDR	R
VC MSG 031 -	VID 02						
074CMNALERT		0.3N ESCL	STAGE	LA MIRADA	01:52P	ST MTY, MOV	R
144CNPALARM		39TH	CRENSHAW	L ANGELES	01:53P	STP, OUT OF RT, CDR	R
070CSZALERT		PIXLEY	ATLANTIC	LA COUNTY	01:55P	ST MTY, MOV	R
144CRXALARM		0.3S SBAR	LEIMERT	L ANGELES	01:55P	STP, OUT OF RT, CDR	R
963CSZALERT		SOTO	WHITTIER	L ANGELES	01:55P	ST MTY, MOV	R
VC MSG 031 -	VID 07						
963CMNALERT		SOTO	WHITTIER	L ANGELES	01:56P	ST MTY, MOV	R
DS MSG 040							
DS MSG 040							
DS MSG 040							
DS MSG 040							
DS MSG 040							
DS MSG 040							
VC MSG 031 -	VID 07						
DS MSG 024							
DS MSG 040							
963CSZALERT		POMONA FY	WHITTIER	LA COUNTY	01:58P	ST MTY, MOV	R
DS MSG 024							
963CMNALERT		POMONA FY	WHITTIER	LA COUNTY	01:59P	RDR, KON	R
963CMNALERT		POMONA FY	WHITTIER	LA COUNTY	01:59P	ST MTY, KON	R
VC MSG 047 -	VID 07						
963CMNALERT		POMONA FY	WHITTIER	LA COUNTY	02:00P	ST MTY, MOV	R
070CMNALERT		PIXLEY	ATLANTIC	LA COUNTY	02:00P	ST MTY, KON	R
070CRXALERT		PIXLEY	ATLANTIC	LA COUNTY	02:00P	ST MTY, MOV	R
VC MSG 031 -	VID 02						
963CRXALERT		POMONA FY	WHITTIER	LA COUNTY	02:01P	ST MTY, KON	R
074CMNALERT		0.3N ESCL	STAGE	LA MIRADA	02:03P	ST MTY, MOV	R
VC MSG 031 -	VID 02						
963CRXALARM		POMONA FY	WHITTIER	LA COUNTY	02:06P	STP, OUT OF RT, CDR	R
VC MSG 052 -	VID 07						
144CMNALERT		9TH	VERNON	L ANGELES	02:08P	ST MTY, MOV	R
VC MSG 031 -	VID 04						
VC MSG 031 -	VID 27						
144CSZALERT		9TH	VERNON	L ANGELES	02:09P	ST MTY, MOV	R
VC MSG 031 -	VID 04						
963CSZALERT		POMONA FY	WHITTIER	LA COUNTY	02:20P	ST MTY, KON	R
144CMNALERT		VIRGINIA	39TH	L ANGELES	02:20P	ST MTY, MOV	R
963CSZALERT		POMONA FY	WHITTIER	LA COUNTY	02:20P	ST MTY, MOV	R
VC MSG 031 -	VID 04						
VC MSG 031 -	VID 07						
963CMNALERT		POMONA FY	WHITTIER	LA COUNTY	02:21P	ST MTY, MOV	R
VC MSG 031 -	VID 07						
144CMNALARM		VIRGINIA	39TH	L ANGELES	02:23P	STP, OUT OF RT, CDR	R
963CSZALERT		POMONA FY	WHITTIER	LA COUNTY	02:23P	ST MTY, MOV	R
144CMNALARM		VIRGINIA	39TH	L ANGELES	02:23P	STP, OUT OF RT, CDR	R
144CSZALARM		VIRGINIA	39TH	L ANGELES	02:23P	STP, OUT OF RT, CDR	R
144CSZALARM		VIRGINIA	39TH	L ANGELES	02:23P	STP, OUT OF RT, CDR	R
144CSZALARM		VIRGINIA	39TH	L ANGELES	02:23P	STP, OUT OF RT, CDR	R
VC MSG 053							
144CSZALARM		VIRGINIA	39TH	L ANGELES	02:24P	STP, OUT OF RT, CDR	R
144CSZALARM		VIRGINIA	39TH	L ANGELES	02:24P	STP, OUT OF RT, CDR	R
VC MSG 031 -	VID 07						
963CSZALERT		POMONA FY	WHITTIER	LA COUNTY	02:25P	ST MTY, MOV	R

1	963CKJALERT	SANTA ANA	0.2E INDN	L ANGELES	02:27P	ST MTY,MOV	R
2	963CMNALERT	SANTA ANA	0.2E INDN	L ANGELES	02:28P	ST MTY,KON	R
3	963CMNALERT	SANTA ANA	0.2E INDN	L ANGELES	02:30P	ST MTY,MOV	R
4	963CMNALERT	SANTA ANA	0.2E INDN	L ANGELES	02:30P	ST MTY,KON	R
5	070CMNALERT	PIXLEY	ATLANTIC	LA COUNTY	02:31P	ST MTY,KON	R
6	070CRXALERT	PIXLEY	ATLANTIC	LA COUNTY	02:31P	ST MTY,MOV	R
7	144CRXALERT	VIRGINIA	39TH	L ANGELES	02:32P	LDR,KON	R
8	VC MSG 020						
9	VC MSG 031 - VID 04						
10	963CSZALARM	7TH	ESPARANZA	L ANGELES	02:34P	STP,OUT OF RT,CDR	
11	144CMNALERT	VIRGINIA	39TH	L ANGELES	02:36P	ST MTY,MOV	R
12	144CSZALERT	VIRGINIA	39TH	L ANGELES	02:36P	ST MTY,KON	R
13	VC MSG 031 - VID 04						
14	963CSZALERT	7TH	ESPARANZA	L ANGELES	02:44P	ST MTY,MOV	R
15	074CMNALARM	SLAUSON	GARFIELD	COMMERCE	02:46P	CNTR MSR	R
16	VC MSG 031 - VID 07						
17	963CNPALERT	DITMAN	6TH	LA COUNTY	02:51P	ST MTY,KON	R
18	VC MSG 031 - VID 16						
19	070CMNALARM	PIXLEY	ATLANTIC	LA COUNTY	02:54P	STP,OUT OF RT,CDR	
20	144CRXALARM	VIRGINIA	39TH	L ANGELES	02:55P	STP,OUT OF RT,CDR	
21	963CSZALERT	WHITTIER	DITMAN	LA COUNTY	02:56P	ST MTY,MOV	R
22	144CMNALERT	VIRGINIA	39TH	L ANGELES	02:56P	LDR,KON	R
23	VC MSG 031 - VID 07						
24	VC MSG 031 - VID 04						
25	963CSZALERT	WHITTIER	DITMAN	LA COUNTY	02:57P	ST MTY,MOV	R
26	VC MSG 053						
27	070CMNALERT	PIXLEY	ATLANTIC	LA COUNTY	02:58P	ST MTY,KON	R
28	070CRXALERT	PIXLEY	ATLANTIC	LA COUNTY	02:58P	ST MTY,MOV	R
29	VC MSG 053						
30	963CRXALERT	WHITTIER	DITMAN	LA COUNTY	02:58P	ST MTY,KON	R
31	963CMNALERT	WHITTIER	DITMAN	LA COUNTY	02:58P	ST MTY,KON	R
32	963CMNALERT	WHITTIER	DITMAN	LA COUNTY	02:58P	ST MTY,KON	R
33	070CMNALERT	PIXLEY	ATLANTIC	LA COUNTY	02:59P	ST MTY,KON	R
34	070CRXALERT	PIXLEY	ATLANTIC	LA COUNTY	03:00P	ST MTY,MOV	R
35	VC MSG 053						
36	963CRXALARM	WHITTIER	DITMAN	LA COUNTY	03:02P	STP,OUT OF RT,CDR	
37	070CMNALERT	PIXLEY	ATLANTIC	LA COUNTY	03:02P	ST MTY,KON	R
38	070CRXALERT	PIXLEY	ATLANTIC	LA COUNTY	03:03P	ST MTY,MOV	R
39	074CRXALERT	SLAUSON	GARFIELD	COMMERCE	03:03P	ST MTY,MOV	R
40	070CNPALERT	PIXLEY	ATLANTIC	LA COUNTY	03:05P	ST MTY,KON	R
41	070CRXALARM	PIXLEY	ATLANTIC	LA COUNTY	03:07P	STP,OUT OF RT,CDR	
42	074CRXALERT	SLAUSON	GARFIELD	COMMERCE	03:07P	ST MTY,KON	R
43	VC MSG 031 - VID 02						
44	070CNPALERT	MURIEL	PAULINE	LA COUNTY	03:08P	ST MTY,KON	R
45	070CRXALERT	MURIEL	PAULINE	LA COUNTY	03:08P	ST MTY,MOV	R
46	070CRXALERT	MURIEL	PAULINE	LA COUNTY	03:08P	ST MTY,KON	R
47	070CRXALERT	MURIEL	PAULINE	LA COUNTY	03:08P	ST MTY,MOV	R
48	144CRXALERT	VIRGINIA	39TH	L ANGELES	03:09P	ST MTY,KON	R
49	VC MSG 031 - VID 04						
50	144CSZALARM	VIRGINIA	39TH	L ANGELES	03:09P	STP,OUT OF RT,CDR	
51	963CSZALERT	WHITTIER	DITMAN	LA COUNTY	03:09P	ST MTY,MOV	R
52	070CMNALERT	MURIEL	PAULINE	LA COUNTY	03:10P	ST MTY,KON	R
53	070CRXALERT	MURIEL	PAULINE	LA COUNTY	03:10P	ST MTY,MOV	R
54	VC MSG 031 - VID 07						
55	VC MSG 053						
56	070CRXALERT	MURIEL	PAULINE	LA COUNTY	03:14P	ST MTY,KON	R
57	VC MSG 031 - VID 16						
58	070CRXALARM	MURIEL	PAULINE	LA COUNTY	03:14P	STP,OUT OF RT,CDR	
59	VC MSG 020						
60	070CRXALERT	GREENLEAF	HARRIS	COMPTON	03:16P	ST MTY,KON	R
61	070CRXALERT	GREENLEAF	HARRIS	COMPTON	03:16P	ST MTY,KON	R
62	070CRXALERT	GREENLEAF	HARRIS	COMPTON	03:17P	ST MTY,MOV	R
63	963CRXALARM	ESPARANZA	WHITTIER	L ANGELES	03:18P	STP,OUT OF RT,CDR	
64	070CMNALERT	GREENLEAF	HARRIS	COMPTON	03:18P	ST MTY,KON	R

FILE D-0-1-1 ONE DAY OF THE BASE STATION PRINTER LOG

074CRXALERT	SLAUSON	GARFIELD	COMMERCE	03:20P	ST MTY,MOV	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:20P	ST MTY,KON	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:20P	ST MTY,MOV	R
VC MSG 031 - VID 02						
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:20P	ST MTY,KON	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,MOV	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,KON	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,MOV	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,KON	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,MOV	R
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,KON	R
VC MSG 031 - VID 02						
074CNPALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,KON	R
VC MSG 031 - VID 02						
070CNPALARM	CALDWELL	WHITE	COMPTON	03:21P	STP,OUT OF RT,CDR	R
074CRXALERT	SLAUSON	GARFIELD	COMMERCE	03:21P	ST MTY,KON	R
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:22P	ST MTY,MOV	R
070CNPALERT	STONEACRE	CALDWELL	COMPTON	03:22P	ST MTY,MOV	R
070CRXALERT	STONEACRE	CALDWELL	COMPTON	03:22P	ST MTY,MOV	R
VC MSG 031 - VID 16						
070CRXALERT	STONEACRE	CALDWELL	COMPTON	03:22P	ST MTY,KON	R
070CRXALERT	STONEACRE	CALDWELL	COMPTON	03:22P	ST MTY,MOV	R
070CRXALERT	STONEACRE	CALDWELL	COMPTON	03:23P	ST MTY,KON	R
074CRXALERT	SANTA ANA	GAGE	MNTEBELLO	03:23P	ST MTY,KON	R
VC MSG 031 - VID 02						
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:24P	ST MTY,KON	R
VC MSG 031 - VID 02						
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:24P	ST MTY,KON	R
VC MSG 031 - VID 02						
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:24P	ST MTY,KON	R
VC MSG 031 - VID 02						
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:25P	ST MTY,KON	R
VC MSG 031 - VID 02						
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:25P	ST MTY,KON	R
VC MSG 031 - VID 16						
VC MSG 031 - VID 02						
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:27P	ST MTY,KON	R
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:28P	ST MTY,MOV	R
VC MSG 020						
933CNPALERT	TELEGRAPH	NORWALK	SNTA F SP	03:29P	LDR,KON	R
VC MSG 031 - VID 27						
933CLLALERT	TELEGRAPH	NORWALK	SNTA F SP	03:29P	ST MTY,KON	R
144CLLALARM	VIRGINIA	39TH	L ANGELES	03:30P	STP,OUT OF RT,CDR	R
963CSZALARM	ESPARANZA	WHITTIER	L ANGELES	03:30P	STP,OUT OF RT,CDR	R
VC MSG 031 - VID 02						
074CMNALERT	SANTA ANA	GAGE	MNTEBELLO	03:30P	ST MTY,MOV	R
VC MSG 031 - VID 02						
074CNPALERT	SANTA ANA	GAGE	MNTEBELLO	03:30P	ST MTY,KON	R
VC MSG 031 - VID 02						
933CNPALERT	TELEGRAPH	NORWALK	SNTA F SP	03:30P	ST MTY,KON	R
963CLLALARM	ESPARANZA	WHITTIER	L ANGELES	03:32P	STP,OUT OF RT,CDR	R
070CMNALERT	STONEACRE	CALDWELL	COMPTON	03:33P	ST MTY,MOV	R
070CRXALERT	STONEACRE	CALDWELL	COMPTON	03:33P	ST MTY,KON	R
070CRXALERT	STONEACRE	CALDWELL	COMPTON	03:33P	ST MTY,MOV	R
963CRXALERT	ESPARANZA	WHITTIER	L ANGELES	03:34P	CDR,MOV	R
070CMNALERT	MYRRH	SAN JOSE	PARAMOUNT	03:37P	ST MTY,KON	R
070CRXALERT	MYRRH	SAN JOSE	PARAMOUNT	03:37P	ST MTY,MOV	R
963CRXALARM	ESPARANZA	WHITTIER	L ANGELES	03:38P	STP,OUT OF RT,CDR	R
074CMNALERT	PARAMOUNT	MAXINE	DOWNNEY	03:38P	ST MTY,MOV	R
VC MSG 031 - VID 02						
070CNPALERT	SN VNCNTE	EL CAMINO	PARAMOUNT	03:39P	ST MTY,KON	R
963CRXALERT	ESPARANZA	WHITTIER	L ANGELES	03:40P	CDR,MOV	R

DS MSG 040

VC MSG 020

DS	MSG 040						
DS	MSG 040						
DS	MSG 040						
DS	MSG 040						
DS	MSG 040						
DS	MSG 040						
DS	MSG 040						
DS	MSG 040						
DS	MSG 040						
VC	MSG 031 - VID 27						
DS	MSG 024						
	963CMNALARM	ESPARANZA WHITTIER	L ANGELES	03:42P	STP, OUT OF RT, CDR		
	933CMNALERT	TELEGRAPH NORWALK	SNTA F SP	03:43P	LDR, KON		R
VC	MSG 031 - VID 27						
	933CLLALERT	TELEGRAPH NORWALK	SNTA F SP	03:43P	ST MTY, KON		R
VC	MSG 031 - VID 27						
	933CLLALERT	TELEGRAPH NORWALK	SNTA F SP	03:44P	ST MTY, KON		R
VC	MSG 031 - VID 27						
	963CLLALERT	ESPARANZA WHITTIER	L ANGELES	03:48P	CDR, MOV		R
VC	MSG 031 - VID 07						
	963CMNALERT	ESPARANZA WHITTIER	L ANGELES	03:51P	ST MTY, MOV		R
	074CMNALERT	PARAMOUNT MAXINE	DOWNEY	03:53P	ST MTY, KON		R
VC	MSG 031 - VID 07						
	963CNPALERT	0.4E SOTO POMONA FY	L ANGELES	03:55P	ST MTY, MOV		R
VC	MSG 066 - VID 23						
	074CMNALERT	PARAMOUNT MAXINE	DOWNEY	03:55P	ST MTY, MOV		R
VC	MSG 031 - VID 07						
VC	MSG 031 - VID 02						
	074CNPALERT	PARAMOUNT MAXINE	DOWNEY	03:59P	ST MTY, KON		R
	074CNPALERT	PARAMOUNT MAXINE	DOWNEY	03:59P	ST MTY, MOV		R
	070CNPALERT	SN VNCNTE SAN JOSE	PARAMOUNT	03:59P	ST MTY, MOV		R
	963CRXALERT	0.4E SOTO POMONA FY	L ANGELES	03:59P	ST MTY, MOV		R
	144CMNALARM	VIRGINIA 39TH	L ANGELES	04:00P	STP, OUT OF RT, CDR		
	070CSZALERT	SN VNCNTE SAN JOSE	PARAMOUNT	04:02P	ST MTY, KON		R
VC	MSG 031 - VID 07						
	070CRXALERT	SN VNCNTE SAN JOSE	PARAMOUNT	04:02P	ST MTY, MOV		R
	963CRXALERT	0.4E SOTO POMONA FY	L ANGELES	04:03P	ST MTY, MOV		R
VC	MSG 031 - VID 07						
	070CMNALERT	LB FWY	0.1S GRLF PARAMOUNT	04:04P	ST MTY, KON		R
	070CRXALERT	LB FWY	0.1S GRLF PARAMOUNT	04:05P	ST MTY, MOV		R
	070CRXALERT	LB FWY	0.1S GRLF PARAMOUNT	04:05P	ST MTY, KON		R
	070CRXALERT	LB FWY	0.1S GRLF PARAMOUNT	04:05P	ST MTY, MOV		R
	070CRXALERT	LB FWY	0.1S GRLF PARAMOUNT	04:05P	ST MTY, KON		R
	070CRXALERT	LB FWY	0.1S GRLF PARAMOUNT	04:05P	ST MTY, MOV		R
VC	MSG 066 - VID 23						
	070CRXALERT	LB FWY	0.1S GRLF LNG BEACH	04:08P	ST MTY, KON		R
	070CRXALERT	LB FWY	0.1S GRLF LNG BEACH	04:09P	ST MTY, MOV		R
	070CRXALERT	LB FWY	GORDON LNG BEACH	04:10P	ST MTY, KON		R
	070CRXALERT	LB FWY	GORDON LNG BEACH	04:10P	ST MTY, MOV		R
	070CRXALERT	GORDON LB FWY	LNG BEACH	04:11P	ST MTY, KON		R
	070CRXALERT	GORDON LB FWY	LNG BEACH	04:11P	ST MTY, MOV		R
	963CRXALERT	2ND	0.2W EVGR L ANGELES	04:12P	ST MTY, KON		R
	070CMNALERT	1.0N DLMO LB FWY	LNG BEACH	04:13P	ST MTY, KON		R
	144CRXALARM	VERNON 9TH	L ANGELES	04:13P	STP, OUT OF RT, CDR		
	070CSZALERT	CEDAR 55TH	LNG BEACH	04:14P	ST MTY, MOV		R
VC	MSG 052 - VID 16						
VC	MSG 052 - VID 16						
	070CRXALERT	0.5N SNTA MARQUARDT	SNTA F SP	04:16P	ST MTY, KON		R
	070CRXALERT	0.5N SNTA MARQUARDT	SNTA F SP	04:16P	ST MTY, MOV		R
	070CRXALERT	0.5N SNTA MARQUARDT	SNTA F SP	04:17P	ST MTY, KON		R
	070CRXALERT	0.5N SNTA MARQUARDT	SNTA F SP	04:18P	ST MTY, MOV		R
VC	MSG 020						
	070CRXALERT	0.5N SNTA MARQUARDT	SNTA F SP	04:18P	ST MTY, KON		R
	070CRXALERT	0.5N SNTA MARQUARDT	SNTA F SP	04:18P	ST MTY, MOV		R

VC MSG 031 - VID 18	144CRXALARM	LEIMERT	0.3S SBAR L ANGELES	04:28P STP, OUT OF RT, CDR	
VC MSG 031 - VID 02	074CSZALERT	PARAMOUNT	MAXINE DOWNEY	04:29P ST MTY, MOV	R
963CMNALERT	4TH	LORENA	L ANGELES	04:30P ST MTY, KON	R
963CMNALERT	4TH	LORENA	L ANGELES	04:31P ST MTY, MOV	R
144CMNALERT	LEIMERT	0.3S SBAR L ANGELES		04:34P ST MTY, KON	R
VC MSG 031 - VID 04					
VC MSG 031 - VID 07					
963CSZALERT	4TH	LORENA	L ANGELES	04:35P ST MTY, KON	R
VC MSG 047 - VID 04					
VC MSG 047 - VID 04					
963CMNALERT	4TH	LORENA	L ANGELES	04:36P ST MTY, MOV	R
VC MSG 031 - VID 07					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
963CMNALERT	4TH	LORENA	L ANGELES	04:39P ST MTY, MOV	R
VC MSG 066 - VID 23					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 031 - VID 07					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
963CMNALERT	4TH	LORENA	L ANGELES	04:42P ST MTY, MOV	R
VC MSG 031 - VID 07					
144CMNALERT	LEIMERT	0.3S SBAR L ANGELES		04:43P ST MTY, MOV	R
VC MSG 031 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
963CSZALERT	4TH	LORENA	L ANGELES	04:45P ST MTY, MOV	R
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 031 - VID 07					
VC MSG 066 - VID 23					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
963CMNALERT	4TH	LORENA	L ANGELES	04:47P ST MTY, MOV	R
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 031 - VID 07					
VC MSG 052 - VID 04					
963CMNALERT	4TH	LORENA	L ANGELES	04:48P ST MTY, MOV	R
VC MSG 031 - VID 07					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
VC MSG 052 - VID 04					
963CMNALERT	4TH	LORENA	L ANGELES	04:50P ST MTY, MOV	R
VC MSG 031 - VID 07					
963CMNALERT	WHITTIER	DOWNEY	LA COUNTY	04:52P ST MTY, MOV	R
VC MSG 031 - VID 07					
VC MSG 047 - VID 07					
VC MSG 031 - VID 07					
963CMNALERT	WHITTIER	DOWNEY	LA COUNTY	04:53P ST MTY, MOV	R
963CMNALARM	WHITTIER	DOWNEY	LA COUNTY	04:53P DRVR ALM	R
963CMNALERT	WHITTIER	DOWNEY	LA COUNTY	04:54P ST MTY, MOV	R

MSG	VID	FROM	TO	TYPE	TIME	STATUS	REMARKS
963CMNALERT	04	WHITTIER	DOWNEY	LA COUNTY	04:56P	ST MTY,KON	R
VC MSG 031 -	VID 07						
963CMNALERT		WHITTIER	DOWNEY	LA COUNTY	04:57P	ST MTY,MOV	R
144CMNALARM		LEIMERT	0.3S SBAR	L ANGELES	04:57P	STP,OUT OF RT,CDR	
VC MSG 052 -	VID 04						
VC MSG 031 -	VID 07						
VC MSG 052 -	VID 07						
VC MSG 066 -	VID 23						
933CSZALERT		TELEGRAPH	NORWALK	SNTA F SP	05:00P	ST MTY,MOV	R
VC MSG 052 -	VID 04						
933CLLALERT		TELEGRAPH	NORWALK	SNTA F SP	05:00P	ST MTY,KON	R
VC MSG 031 -	VID 27						
963CLLALERT		FORD	LB FWY	LA COUNTY	05:01P	ST MTY,MOV	R
VC MSG 047 -	VID 04						
070CMNALERT		VALLEY VW	STAGE	SNTA F SP	05:03P	ST MTY,KON	R
VC MSG 052 -	VID 04						
VC MSG 031 -	VID 07						
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:04P	ST MTY,MOV	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:05P	ST MTY,KON	R
VC MSG 031 -	VID 16						
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:05P	ST MTY,MOV	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:06P	ST MTY,KON	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:06P	ST MTY,MOV	R
933CRXALERT		TELEGRAPH	NORWALK	SNTA F SP	05:06P	ST MTY,KON	R
VC MSG 031 -	VID 27						
070CLLALERT		VALLEY VW	STAGE	SNTA F SP	05:06P	ST MTY,KON	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:07P	ST MTY,MOV	R
VC MSG 052 -	VID 16						
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:07P	ST MTY,KON	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:07P	ST MTY,MOV	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:08P	ST MTY,KON	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:08P	ST MTY,MOV	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:08P	ST MTY,KON	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:08P	ST MTY,MOV	R
VC MSG 052 -	VID 16						
963CRXALERT		IN YARD	TRANSCON	SNTA F SP	05:09P	ST MTY,MOV	R
070CMNALERT		VALLEY VW	STAGE	SNTA F SP	05:10P	ST MTY,KON	R
VC MSG 031 -	VID 07						
963CRXALARM		IN YARD	TRANSCON	SNTA F SP	05:10P	DRVR ALM	R
963CMNALERT		IN YARD	TRANSCON	SNTA F SP	05:10P	ST MTY,MOV	R
070CMNALERT		VALLEY VW	STAGE	SNTA F SP	05:10P	ST MTY,MOV	R
070CRXALERT		VALLEY VW	STAGE	SNTA F SP	05:11P	ST MTY,KON	R
144CRXALERT		WHITTIER	RECORD	LA COUNTY	05:11P	ST MTY,KON	R
VC MSG 031 -	VID 04						
070CSZALERT		VALLEY VW	GANNET	SNTA F SP	05:11P	ST MTY,MOV	R
VC MSG 031 -	VID 07						
963CRXALERT		IN YARD	TRANSCON	SNTA F SP	05:11P	ST MTY,KON	R
VC MSG 052 -	VID 16						
VC MSG 052 -	VID 16						
070CMNALERT		VALLEY VW	GANNET	SNTA F SP	05:12P	ST MTY,KON	R
VC MSG 031 -	VID 04						
144CRXALERT		WHITTIER	RECORD	LA COUNTY	05:12P	CDR,MOV	R
070CSZALERT		VALLEY VW	GANNET	SNTA F SP	05:12P	ST MTY,MOV	R
070CRXALERT		VALLEY VW	GANNET	SNTA F SP	05:12P	ST MTY,KON	R
070CRXALERT		VALLEY VW	GANNET	SNTA F SP	05:12P	ST MTY,	

[illegible]

070CRXALERT	SCALES	ORNGETHRP	BUENA PRK	05:46P	ST MTY,MOV	R
VC MSG 052 - VID	16					
VC MSG 052 - VID	16					
VC MSG 052 - VID	16					
VC MSG 052 - VID	16					
VC MSG 052 - VID	16					
933CRXALERT	0.3E NRWK	LAKELAND	NORWALK	05:50P	ST MTY,KON	R
070CLLALERT	SCALES	ORNGETHRP	BUENA PRK	05:50P	ST MTY,KON	R
070CRXALERT	SCALES	ORNGETHRP	BUENA PRK	05:51P	ST MTY,MOV	R
VC MSG 031 - VID	27					
070CRXALERT	SCALES	ORNGETHRP	BUENA PRK	05:52P	ST MTY,KON	R
070CRXALERT	SCALES	ORNGETHRP	BUENA PRK	05:52P	ST MTY,MOV	R
VC MSG 052 - VID	16					
933CRXALERT	0.3E NRWK	LAKELAND	NORWALK	05:54P	ST MTY,KON	R
VC MSG 031 - VID	27					
933CLLALERT	0.3E NRWK	LAKELAND	NORWALK	05:54P	ST MTY,KON	R
VC MSG 031 - VID	27					
070CLLALERT	SCALES	ORNGETHRP	BUENA PRK	05:55P	ST MTY,KON	R
070CRXALERT	SCALES	ORNGETHRP	BUENA PRK	05:55P	ST MTY,MOV	R
933CRXALERT	IN YARD	TRANSCON	SNTA F SP	05:57P	YARD ENTRY	R
144CLLALARM	IN YARD	GI TRKING	LA MIRADA	05:57P	STP,OUT OF RT,CDR	

OV

APPENDIX M

CARGO SECURITY SYSTEM

OPERATOR'S MANUAL

CARGO SECURITY SYSTEM
OPERATOR'S MANUAL

CARGO SECURITY SYSTEM
OPERATOR'S MANUAL

HOFFMAN INFORMATION IDENTIFICATION INC.

A Hoffman Company

Fort Worth, Texas

August, 1977

Prepared For
The Aerospace Corporation
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29 OF 30

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Section 1

INTRODUCTION

SECTION I

INTRODUCTION

The theft of cargo from pick-up and delivery trucks is an extremely serious problem, affecting not only the trucking industry, but the general public as well. As a result of cargo theft, the cost of goods and services delivered by the trucking industry is, in general, considerably higher than they would be if cargo theft could be significantly reduced. The Cargo Security System is an electronic system intended primarily to reduce the theft of cargo from pick-up and delivery trucks. The Cargo Security System provides truck dispatchers and security personnel with the location of these trucks and the security status of the cargo carried by the trucks. The system also provides a means for drivers to alert dispatchers of emergency situations.

The Cargo Security System (CSS) has been installed as part of a program to test and evaluate the performance of the system under operational conditions. The system provides three basic types of information to truck dispatchers.

- o the location of each equipped truck,
- o the status of particular sensors or detectors on each truck, and
- o the status of a driver-operated alarm switch.

The Cargo Security System is under control of a computer and there is a simple method of commanding the computer to provide specific information to assist the dispatcher in the performance of his job. The dispatcher is able to observe this information on a CRT, which is an electronic display similar to a TV screen. This information is in addition to the normal voice radio communication between the dispatcher and truck drivers. As a result of the information provided automatically by the CSS, the amount of voice radio useage should be reduced considerably. In response to this information, the dispatcher can request more detailed information on a particular truck and take any necessary action. At night, when the dispatcher may not be present, another display - the Remote Alarm display - still functions so that the security status of trucks parked in any part of the dock area may be monitored by security personnel.

The purpose of this manual is to instruct truck dispatchers and security personnel in the operation of the CSS. This manual contains (1) a general description of the Cargo Security System, (2) the information available to the dispatcher, and

(3) the actions required of him in exercising control over the system.

To facilitate ease of use, this manual is organized as follows:

Section 2, General Description

Section 3, The Dispatcher's Role

Section 4, CRT Displays and Dispatcher Commands

Section 5, The Remote Alarm

Appendices

Section 2 contains a general description of the CSS. Section 3 presents the role of the dispatcher in operating the CSS. The displays and the associated keyboard commands which the dispatcher may utilize are described in detail in Section 4. Use of the Printer is discussed in subsection 4.3. Section 5 is devoted to describing the use of the Remote Alarm CRT Display. Special commands associated with restarting the CSS are described in Appendix A. Appendix B provides information relative to maintenance of the Printer.

Section 2

GENERAL DESCRIPTION

SECTION 2

GENERAL DESCRIPTION

The Cargo Security System performs two primary functions: (1) determining the location of the trucks equipped with the CSS, and (2) monitoring of the status of a set of sensors and switches installed on trucks. These functions are performed automatically without imposing any requirements on the driver or the dispatcher. The first function makes use of electronic information derived from three radio stations in the operating area. The second function monitors the status of the sensors and switches on a truck and relays this information to the base station. From the location of the truck and the sensors the computer recognizes certain conditions which indicate that a breach of security has occurred or is about to occur. This information, coupled with the truck's location, is provided to the dispatcher so that he may alert local law enforcement agencies of potential security problems.

Location and monitoring information is provided to the dispatcher on two devices. The first and most important is the Cathode Ray Tube (CRT) display that the dispatcher uses to monitor the location and status of each equipped truck. Information is presented on the CRT display in printed form with color used to highlight specific information. The second device is a printer that automatically prints alert and alarm conditions and allows the dispatcher to obtain a printed record of the recent location and status history of particular trucks.

Figure 1 illustrates the primary functions of the Cargo Security System. The location of each truck is determined to the nearest street intersection by use of an Automatic Vehicle Location system and displayed as a pair of street names in a city; for example, 26th and DeSoto in Vernon. Monitored security information is presented, first, as a warning of an alert or alarm situation, and subsequently, upon request by the dispatcher, as a display showing all pertinent information on the truck (vehicle number, license no., make, model, mileage, route assigned, and so forth) and the security status (key on or off, seat occupied or unoccupied, doors open or closed, truck moving or stopped, and so forth). These items - vehicle identification, vehicle location, warning of an alert or alarm, and information about the cargo - are all presented to the dispatcher on the CRT. The phone number of the cognizant police department is also presented.

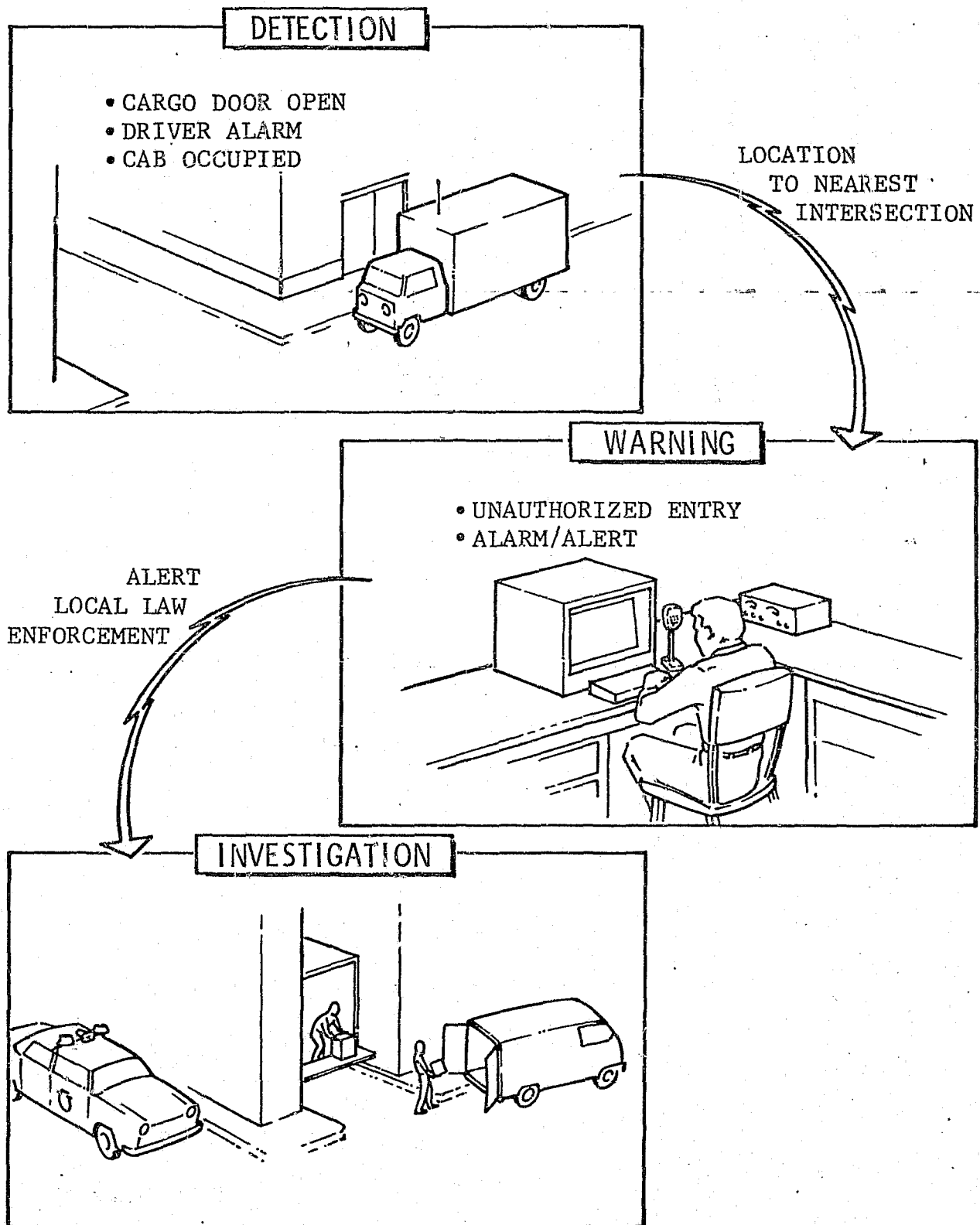


FIG. 1 CARGO SECURITY SYSTEM FUNCTIONS

In addition to the CRT and printer, which are located at the dispatcher console, a CRT called the Remote Alarm CRT provides the night dispatcher or security guard with similar security information on trucks that are parked in the dock area for the night. Whether the trucks are parked for the night or traveling on the road, sensors continuously monitor the cargo compartment, the driver compartment, and the on-board electronics. Unauthorized entry to the cargo compartment, unauthorized movement of the truck, and unauthorized tampering with security circuits are detected by the CSS and relayed to the dispatcher or guard. These three devices, the dispatcher's CRT, the printer, and the Remote Alarm CRT are shown in Figure 2.

The following definitions will be useful in clarifying subsequent information presented in this manual.

Sensor: A device, usually a switch, which senses the status of a physical state and provides an indication of this status to the electronics in the vehicle. Sensors used in the CSS include:

- o left and right cab door (open or closed) switches
- o driver's seat switch
- o driver alarm button
- o wheel motion sensor
- o cargo compartment door switch
- o cargo compartment intrusion switch
- o various tamper switches

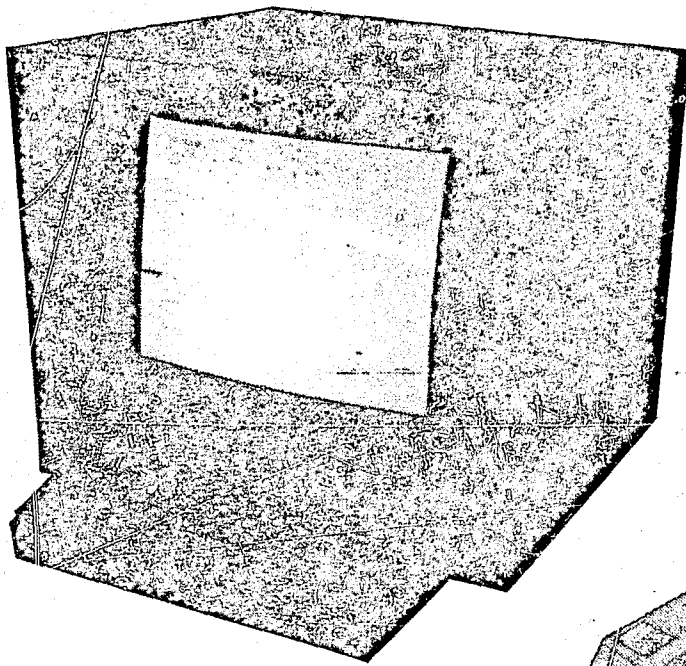
Command: A series of keystrokes which are typed on one of the CRT keyboards

ALARM: A condition indicating a high probability of a serious breach of security associated with a truck

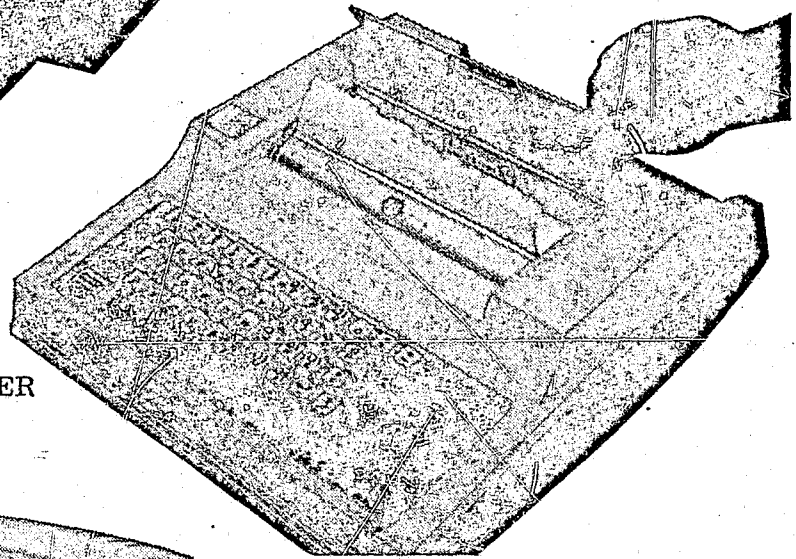
ALERT: A condition, of lessor significance than an ALARM, indicating that a breach of security may be occurring on a truck.

R ALERT: (For Route Alert) An ALERT condition, resulting from an abnormal vehicle location

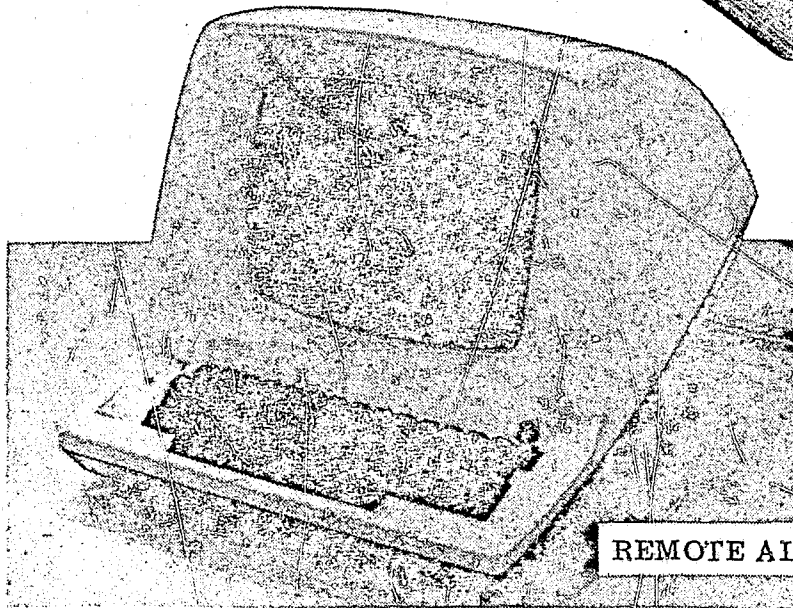
Operating Mode: The CSS has two operating modes, (1) normal and (2) Remote Alarm. A truck may be placed in either of these two modes.



DISPATCHER CRT



PRINTER



REMOTE ALARM CRT

FIG. 2 CARGO SECURITY SYSTEM EQUIPMENT

- o Normal Mode - The truck's location and status when out of the dock area is monitored by the CSS with the information being displayed on the dispatcher CRT and printer.
- o Remote Alarm Mode - The truck's status while parked in the dock area is monitored and displayed on the Remote Alarm CRT.

Although all location and monitoring information is obtained automatically by the computer, the dispatcher has been provided with a simple set of keyboard commands through which he may exercise control of the information displayed including such functions as entering and deleting trucks from control of the CSS. The dispatcher may continue to utilize his normal voice communications with the fleet since the CSS functions independent of the voice radio system.

Two primary display formats are provided on the CRT. One, the Route Status Display provides a list of all of the equipped trucks, their locations, and if applicable, an indication of an alert or alarm. The second primary display is the Security Status Display that provides security status information on particular trucks selected by the dispatcher. Other special information may be displayed upon command of the dispatcher through use of typed commands at the CRT keyboard.

Section 3

THE DISPATCHER'S ROLE

SECTION 3

THE DISPATCHER'S ROLE

The truck dispatcher provides the human control of the CSS. He has at his fingertips, the ability to call up, on the color CRT, a great deal of information about each equipped truck. It is not necessary that the dispatcher continuously watch the CRT because an alert or an alarm condition on a truck will be called to his attention automatically through use of an audible alarm. A permanent record will also be printed on the printer. Once such a condition is detected, the dispatcher will normally perform a simple keyboard command in order to obtain more detailed knowledge on the specific problem and to acknowledge that he is aware of the condition. If, in the dispatcher's estimation, the situation warrants specific action, he may perform a wide variety of such actions from simply exercising voice communication with the driver to calling in a law enforcement agency in accordance with established trucking company procedures.

The dispatcher performs three primary functions concerning operation of the CSS. These include:

- o. Normal operation of the system during daily operations,
- o Input of changes in the status or assignment of specific trucks, and
- o Restart of the computerized system in the event of a power failure.

When the dispatcher desires to enter a command into the CSS he does so by pressing a series of keys, similar to a typewriter's keys, on the keyboard associated with the CRT. The dispatcher's CRT and its associated keyboard are shown in Figure 3. The display shown in Figure 3 is the Route Status Display (See Paragraph 4.1.1) which provides the location and status of all trucks equipped with the CSS.

Whenever a key is depressed (a keystroke) on the CRT keyboard, the character printed on the key is stored within the electronics in the CRT display. After each series of keystrokes, the key labeled RETURN is depressed. This causes all of the characters that were entered preceding the pressing of the RETURN key to be sent to the CSS computer. Within the computer, a computer program responds to those characters and causes the CSS to operate as designed. The following examples illustrate the use of the dispatcher's CRT.

NUMBER	LOCATION
001	MAIN
002	REPLACEMENT
003	101 ST
004	LA BUREAU
005	RECEIVED
006	RECEIVED
007	RECEIVED
008	RECEIVED
009	RECEIVED
010	RECEIVED
011	RECEIVED
012	RECEIVED
013	RECEIVED
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094	RECEIVED
095	RECEIVED
096	RECEIVED
097	RECEIVED
098	RECEIVED
099	RECEIVED
100	RECEIVED



FIG. 3 DISPATCHER'S CRT, ROUTE STATUS MODE

Example No. 1: As an example, the most common display used by the dispatcher is called the Route Status Display. In order to view this display, the dispatcher simply performs the following keystroke operations:

RS(RETURN)

In performing this operation, the three keys labeled R, S, and RETURN are depressed on sequence. (Note: special keys, such as the RETURN, ESCAPE, CRTL are shown in parenthesis () in this manual to emphasize that they are a single key, not a series of individual characters.) In response to the command RS(RETURN), the Route Status Display will be displayed on the CRT as shown in Figure 3. The specific information provided by the display is described in detail in paragraph 4. 1. 1.

Example No. 2: As a second example, if the dispatcher desires to observe the security status of a particular truck, say Truck 927, he would call up the Security Status Display for Truck 927 by keystroking the following sequence of characters:

SS927(RETURN)

In response to this command, the Security Status Display associated with Truck 927 would appear on the CRT, as shown in Figure 4. The specific information provided by this display is described in detail in paragraph 4. 1. 2.

In this example, the display indicates that the driver alarm switch has been activated and that the vehicle is in Watts. The dispatcher, upon observing this ALARM condition would carry out established trucking company procedures which might include immediately calling the Watts police department.

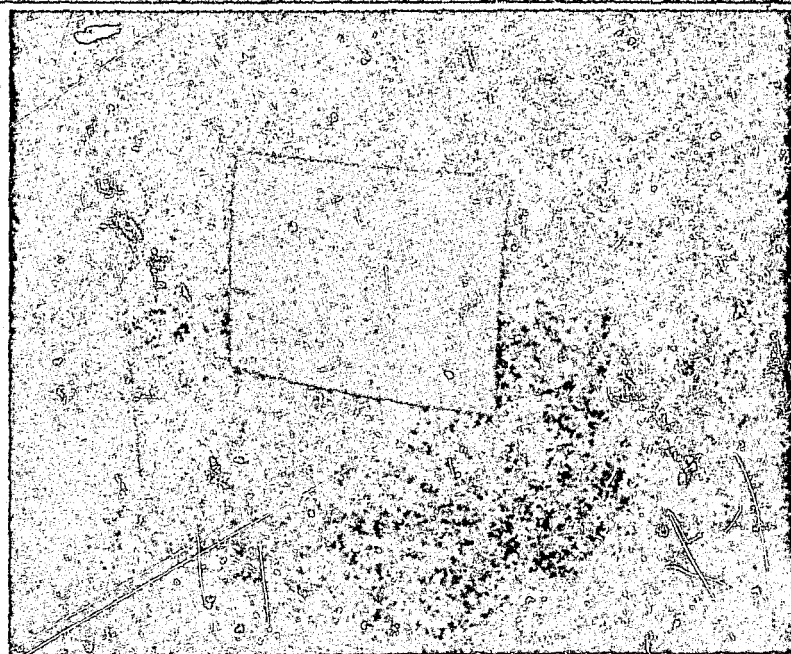
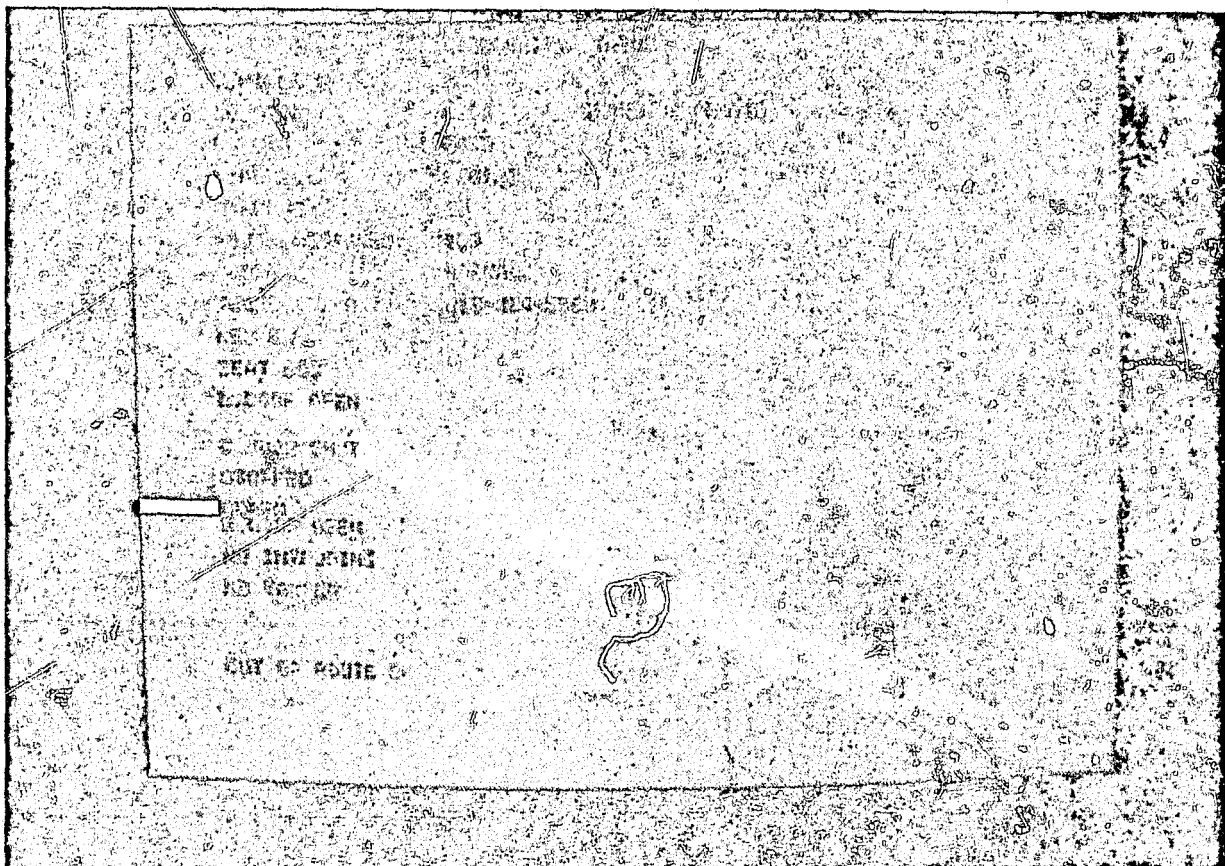


FIG. 4 DISPATCHER'S CRT, SECURITY STATUS MODE

Section 4

CRT DISPLAYS & DISPATCHER COMMANDS

SECTION 4

CRT DISPLAYS AND DISPATCHER COMMANDS

4.1 Primary Displays and Their Uses

During normal operations, the CRT displays either the Route Status Display or the Security Status Display. Each of these is described in the following paragraphs.

4.1.1 Route Status Display

The Route Status Display provides summary information on each truck that is equipped with the Cargo Security System. The display format is shown in Figure 3. Five columns of information are provided as follows:

- o In column 1, under the heading VEHICLE, are listed the vehicle numbers assigned to the trucks equipped with the Cargo Security System.
- o In columns 2 and 3, under the heading LOCATIONS, the location of each vehicle is listed as the names of the nearest pair of intersecting streets.
- o In column 4, under the heading LOCATION, is listed the name of the city in which the vehicle is located.
- o In column 5, under the heading STATUS, is listed the status of each vehicle.

A colored bar or stripe will be displayed to the left of the vehicle number if the status is other than "OK", or if the truck has returned to the yard.

Each truck equipped with the CSS will appear on a line on the Route Status Display.

The status of a truck may be displayed in one of six ways (as shown in Table 1). Either of the three warning situations, ALARM, R ALERT, and ALERT may be declared by the CSS and displayed as a result of a combination of different conditions, some being considerably more suspicious than others. Each condition is described in detail in later paragraphs.

The dispatcher cannot determine the reason for a vehicle showing an ALARM or ALERT condition by observing only the Route Status display, however, the presence of an ALARM, R ALERT, or ALERT status on the CRT in the Route Status Mode calls for further investigation as to the security status of the vehicle. This investigation is initiated by the dispatcher by calling up the Security Status Display associated with any truck, as designated by the dispatcher.

TABLE 1 POSSIBLE STATUS INDICATIONS ON ROUTE STATUS DISPLAY

Security Status	Situation Indicated	Color of Bar
OK	Normal	None
PENDING	Truck in yard, but not being monitored by Remote Alarm	Green
ENABLED	Truck is Remote Alarm Mode, but computer has had no contact from truck in over an hour, possible loss of battery power.	None
R ALERT *	Potential security problem indicated by truck's location or route	Yellow
ALERT *	Potential security problem on the truck	Purple
ALARM **	High probability of security problem on truck	Red

* When an ALERT or an R ALERT status occurs, a single "beep" will be emitted by the CRT audible alarm, which calls for further investigation as to the security status of the indicated vehicle.

**When an ALARM Status occurs, a continuous beeping noise will be emitted by the CRT audible alarm until the dispatcher enters an ACKNOWLEDGE command on the keyboard.

4.1.2 Security Status Display

The Security Status Display provides detailed information as to the identification, location, and security status of the trucks. The dispatcher selects which trucks he will monitor. The Security Status Display format is shown in Figure 4. 32 lines of data are provided on this display as shown in Table 2. The line numbers are referred to in order to make the explanation simpler. However, the dispatcher need not be concerned as to the line number, since the information is self explanatory.

Lines 1 through 9 present specific information that indicates, in this example, that Truck 927 is near the corner of Pico and Grand in the City of Watts. It is a Ford Bobtail with License PRQ 123 and has traveled 30 miles since leaving the yard. Truck 927 is in the Normal or "daytime" mode of operation as opposed to the Remote Alarm or nighttime or parked-in-the-yard mode. The telephone number is that of the local police department, in this case, the City of Watts.

Lines 10 through 27 indicate the status of the sensors on the truck. Note that either line 10 or line 11 may be displayed (since the ignition key may be either on or off). Both lines can never be displayed at the same time. Similarly either line 12 or line 13 may be displayed because the seat is either empty or occupied. If a particular combination of sensors has been activated and constitutes an alert or alarm condition, each of those lines will be displayed along with a color bar to the left of each line. The color bar will be either red (for ALARM), yellow (for R ALERT), or purple (for ALERT). The sensor combinations will constitute an alert or alarm as determined by the computer. These combinations are described in Table 3. ALERT, R ALERT, and ALARM conditions are also printed on the printer in order to provide a permanent record (see subsection 4.4). Table 3 also shows the abbreviations that are printed on the printer. If the on/off, open/shut, moving/stopped, or other pairs in lines 10 through 27 are not displayed, then the possibility of a disabled sensor should be considered. Table 4 identifies the three possibilities associated with these sensors.

TABLE 2 FORMAT OF SECURITY STATUS DISPLAY

Line *	Information Displayed *			
1	Location	:	Pico	Grand Watts
2	Telephone #	:	213-484-5500	
3	Vehicle #	:	927	
4	Make	:	Ford	
5	Model	:	Bobtail	
6	License	:	PRQ 123	
7	Mileage	:	30	
8	Route Assigned	:	129	
9	Mode	:	Normal	
10	Key ON			
11	Key OFF			
12	Seat OCC			
13	Seat Empty			
14	L. Door Open			
15	L. Door Shut			
16	C. Door Open			
17	C. Door Shut			
18	Moving			
19	Stopped			
20	No Alarm			
21	Alarm			
22	R. Door Open			
23	R. Door Shut			
24	No Intrusion			
25	Intrusion			
26	No Tamper			
27	Tamper			
28	Unauthorized			
29	Out of Route			
30	Out of Area			
31	Out of Route, OK			
32	No Radio Comm			

* Neither these headings or the line numbers appear on the display

TABLE 3 CAUSES OF ALARM CONDITIONS

INDICATION	PRINTER ABBREVIATION	CONDITION
R ALERT:	ROUTE ENTRY YARD EXIT YARD ENTRY OUT OF RT OUT OF BDRY UNAUTH STP nnn, mmm SME LOC, STPD	ROUTE ENTRY YARD EXIT YARD ENTRY OUT OF ROUTE OUT OF ALLOCATED BOUNDARY UNAUTHORIZED STOP TWO TRUCKS AT SAME LOCATION, STOPPED
ALERT:	KY OFF, MOV ST MTY MOV RDR, MOV RDR, STOCC LDR, RDR RDR, KON ST MTY, KON LDR, KON CDR, MOV CDR. STPCC CDR, LDR CDR, KON zzz MILES	KEY OFF, MOTION SEAT EMPTY, MOTION RIGHT DOOR OPEN, MOTION RIGHT DOOR OPEN, SEAT OCCUPIED LEFT DOOR OPEN, R DOOR OPEN RIGHT DOOR OPEN, KEY ON SEAT EMPTY, KEY ON LEFT DOOR OPEN, KEY ON CARGO DOOR OPEN, MOVING CARGO DOOR OPEN. SEAT OCCUPIED CARGO DOOR OPEN LEFT DOOR OPEN CARGO DOOR OPEN, KEY ON MILEAGE SUMMARY
ALARM:	CNTR MSR STP OUT OF RT, CDR DRVR ALM	COUNTERMEASURES STOPPED, OUT OF ROUTE, CARGO DOOR OPEN DRIVER ALARM

TABLE 4 DISPLAY POSSIBILITIES

SENSORS	INDICATION	LINE	MEANING
IGNITION SWITCH	KEY ON	10	IGNITION SWITCH TURNED ON
	KEY OFF	11	IGNITION SWITCH TURNED OFF
	BOTH BLANK		SENSOR DISABLED
SEAT	SEAT OCC	12	SEAT INDICATING OCCUPIED
	SEAT EMPTY	13	SEAT INDICATING NOT OCCUPIED
	BOTH BLANK		SEAT SENSOR DISABLED
LEFT DOOR	L DOOR OPEN	14	LEFT DOOR NOT CLOSED
	L DOOR SHUT	15	LEFT DOOR CLOSED
	BOTH BLANK		LEFT DOOR SENSOR DISABLED
CARGO DOOR	C DOOR OPEN	16	CARGO DOOR NOT CLOSED
	C DOOR SHUT	17	CARGO DOOR CLOSED
	BOTH BLANK		CARGO DOOR SENSOR DISABLED
MOTION	MOVING	18	VEHICLE MOVING
	STOPPED	19	VEHICLE STOPPED
	BOTH BLANK		VEHICLE MOTION SENSOR DISABLED
DRIVER ALARM	ALARM	20	DRIVER ALARM ACTIVATED
	NO ALARM	21	DRIVER ALARM NOT ACTIVATED
	BOTH BLANK		DRIVER ALARM SENSOR DISABLED
RIGHT DOOR	R DOOR OPEN	22	RIGHT DOOR NOT CLOSED
	R DOOR SHUT	23	RIGHT DOOR CLOSED
	BOTH BLANK		RIGHT DOOR SENSOR DISABLED
CARGO COM- PARTMENT MOTION	INTRUSION	24	MOTION DETECTED IN CARGO COMPARTMENT
	NO INTRUSION	25	NO MOTION DETECTED IN CARGO COMPARTMENT
	BOTH BLANK		CARGO COMPARTMENT SENSOR DISABLED
TAMPER	NO TAMPER	26	VEHICLE BOX CLOSED
	TAMPER	27	VEHICLE BOX OPEN
	BOTH BLANK		VEHICLE BOX SENSOR DISABLED
	UNAUTHORIZED	28	VEHICLE STOPPED AT UNAUTHORIZED LOCATION
	OUT OF ROUTE	29	VEHICLE NOT IN ASSIGNED ROUTE
	OUT OF AREA	30	VEHICLE NOT IN TEST AREA
	OUT OF ROUTE	31	VEHICLE ALLOWED TO BE OUT OF ROUTE, NO ROUTE ALERT GENERATED
	OK		
	NO RADIO COMM	32	NO COMMUNICATION WITH VEHICLE

The last five lines, 28 through 32 of the display shown in Table 2, are not associated with sensors, but are a result of computer processing of location data or dispatcher entry. The conditions causing each of these lines to be displayed are as follows:

Line 28:	Unauthorized:	Results when the truck is stopped at an unauthorized location
Line 29:	Out of Route:	Truck not within assigned Route
Line 30:	Out of Area:	Truck not in test Area
Line 31:	Out of Route, OK:	Truck authorized to be out of Route
Line 32:	No Radio Comm:	No communication with vehicle over Cargo Security System

The occurrence of lines 28, 29, or 30, will constitute a R ALERT and be accompanied by a single beep from the audio alarm and a yellow bar to the left of the line. Line 31 is not an alert or alarm condition, but is an authorization for a truck being off route. Line 32 constitutes an ALERT and is accompanied by a single beep and a purple bar. The dispatcher need not be concerned as to the line on which a statement is printed, because the statement printed on the display is self-explanatory. The line numbers are used in this manual only as a convenient means of referring to Figure 4 and Table 2.

The occurrence of an alarm or an alert condition causes an audible alarm to beep. If the condition is an ALARM, the audible alarm will continue "beeping" until the dispatcher issues an Acknowledge (CA) command.

4.2 Dispatcher's CRT Keyboard

Figure 5 shows a close up of the dispatcher's CRT keyboard. The dispatcher uses this keyboard to enter the commands described in paragraph 4.3. The keyboard is very similar to that of a typewriter except that a number of special keys have been included. The only special keys that the dispatcher needs to be concerned about are the RETURN and the SPACE BAR keys. (See Figure 5). Starting and restarting the system requires the use of additional special keys and are covered in Appendix A.

Each keyboard sequence designated in paragraph 4.3 is executed by the dispatcher depressing the designated keys in the order shown, from left to right. If the dispatcher makes a mistake by hitting the wrong key, he should hit the return key and start over.

ESCAPE

RETURN

CTRL

CPU RESET

SPACE BAR

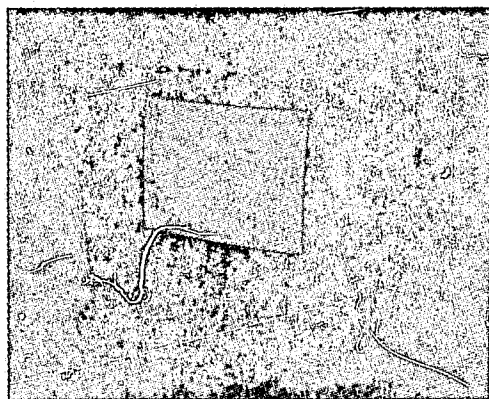


FIG. 5 DISPATCHER'S CRT KEYBOARD

The computer is designed to ignore dispatcher errors. Upon noting that the display did not change, the dispatcher should re enter the desired command.

4.3 Dispatcher Commands Entered Via the Keyboard

Table 5 summarizes all of the normal commands that can be used by the dispatcher and/or the guard. In Table 5, one can observe what the keyboard sequence is, the resulting action, the basic function of the command, and any special conditions necessary for using the command. In this subsection, each of these commands is described in detail.

If, after attempting to execute a command at the color CRT keyboard, the dispatcher observes that the desired result is not obtained, he should perform the following steps:

1. Depress the RETURN key on the color CRT keyboard.
2. Repeat the command in its entirety, making sure it is entered correctly
3. If the desired result is still not obtained, turn to Appendix A and execute the Cargo Security System RESTART procedure.

4.3.1 Start of Shift

Keyboard Sequence:

ST(RETURN)

Result:

Places all trucks in normal operation and causes date and column labels to be printed on printer. Occurrence of alert or alarm conditions on specific trucks causes information to be printed beneath these column headings as shown in Figure 6, even when the truck is still in the yard.

4.3.2 Route Status Display

Keyboard Sequence:

RS(RETURN)

Result:

Route Status Display appears on the CRT display. When the RS command is entered, those vehicles which are in the "normal" mode of operation will be displayed.

TABLE 5 Dispatcher Keyboard Commands

CRT Keyboard Command	Resulting Action	Function	Special Conditions
RS (RETURN)	CRT display	Calls up Route Status Display	None
SS nnn (RETURN)	CRT display	Calls up Security Status Display for truck nnn	None
MR (RETURN)	CRT display	Causes truck mileage to be updated on Security Status Display	CRT in SS MODE
DO nnn (RETURN)	CRT display	Authorizes truck nnn to go out of assigned route area without causing R ALERT	None
EO nnn (RETURN)	CRT display	Cancels the DO nnn (RETURN) command associated with truck nnn	None
TR (RETURN)	CRT display	When viewing the Security Status Display, causes more accurate location information to be displayed	CRT in SS MODE
RR xxx (SPACE BAR) yyy (RETURN)	CRT display	Assigns truck to routes xxx and yyy	None
AR (RETURN)	CRT display	Places all trucks in yard in Remote Alarm mode of operation	None
DR (RETURN)	CRT display	Removes all trucks from Remote Alarm mode of operation	None
CA (RETURN)	Terminates audible alarm	Acknowledges observation of ALARM condition.	None
ST (RETURN)	CRT display and printer outputs	Places all trucks in "Normal" mode of operation and prints data on printer	None
RH nnn D (RETURN)	Printer output	Causes recent location and status history of truck nnn to be printed on printer	None

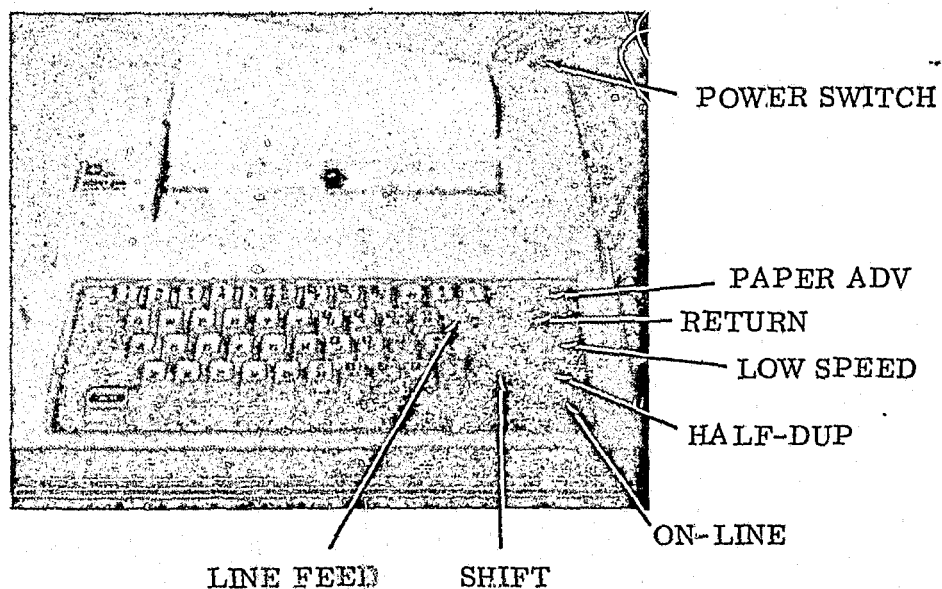
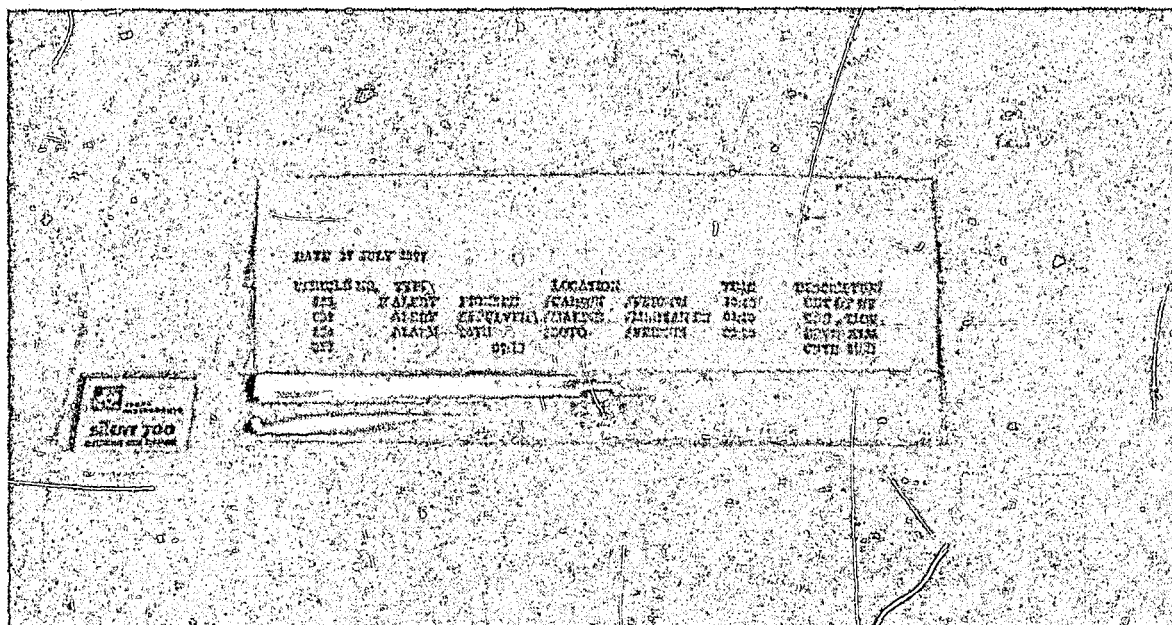


FIG. 6 NORMAL PRINTER OUTPUT

4.3.3 Security Status Display

Keyboard Sequence:

SSnnn(RETURN)

Result:

where nnn is the truck number

Security Status Display for truck number nnn appears on the color CRT display.

Note:

Execution of the command SS927 (RETURN) causes the Security Status Display for Truck 927 to be displayed, as in Figure 4.

4.3.4 Mileage Request

Keyboard Sequence:

MR(RETURN)

Result:

Causes elapsed mileage traveled since leaving yard to be displayed on Line (7) of that truck's Security Status Display. Mileage will not increment further if left in this mode.

4.3.5 Disable Out-of-Route

Keyboard Sequence:

DOnnn(RETURN) where (nnn is the truck number)

Result:

Authorizes truck to go out-of-route without causing an R ALERT condition. "OUT-OF-ROUTE, OK" is displayed on Line 31 of Security Status Display, even if the truck is within route.

4.3.6 Enable Out-of-Route

Keyboard Sequence:

EOnnn(RETURN)

Result:

Cancels DO nnn (RETURN) command for truck nnn. Causes Line 31 of Security Status Display to be shown blank.

4.3.7 Track Vehicle

Keyboard Sequence:

TR(RETURN) (When in Security Status Display Mode)

Result:

Causes one of the letters N, S, E, or W to appear on the Security Status Display Line (1) after the

street intersection, if the truck is located between 300 and 600 feet from the street intersection in the direction North, South, East, or West, respectively. A blank indicates that the truck is less than 300 feet from the intersection.

4.3.8 Recent History

Keyboard Sequence:

RHnnnD(RETURN) where nnn is truck number

and D is 0, 1, or 2 where

0 corresponds to today's history

1 corresponds to yesterday's history

2 corresponds to the day before yesterday's history

Result:

Causes the recent history of truck nnn to be printed out on the printer for the designated day in the format shown in Figure 7.

Note:

Execution of the command RH9271(RETURN) would result in a display of Truck 927 activities on yesterday. Execution of RH9272(RETURN) would result in a display of Truck 927 activities on the day before yesterday. The Recent History command may be entered on the dispatcher's keyboard at any time. If, during the process of printing a Recent History, an alarm or alert condition occurs on any truck, the alarm or alert information will be printed out on the printer and only on the Route Status display.

4.3.9 Acknowledge ALARM, R ALERT, or ALERT

Keyboard Sequence:

CA(RETURN)

Result:

Terminated audible beeping produced by an ALARM condition.

4.3.10 Remote Alarm Arm

Keyboard Sequence:

RA(RETURN)

Result:

Causes all trucks in the yard to be armed in the Remote Alarm Mode of Operation

Note:

When a truck is armed in the Remote Alarm Mode, the STATUS column of the Route Status Display will show ENABLED for that truck.

4.3.11 Remote Alarm Disarm

Keyboard Sequence:

DR(RETURN)

Result:

Causes all trucks in the yard to be disarmed or removed from the Remote Alarm Mode of Operation. In this condition, no alerts or alarms will be produced by the vehicle as long as it is in the yard, however, once it leaves the yard, it will automatically be monitored by the dispatcher's CRT in the normal CSS modes of operation.

4.3.12 Assign Route

Keyboard Sequence:

RRxxx(SPACE BAR)yyy(RETURN)

Result:

Causes the truck associated with the Security Status Display to be assigned to Route xxx and Route yyy which are not the truck's normal route assignments. Note, the command RRxxx(RETURN) is used if only one route is to be authorized.

Example:

While viewing the Security Status Display for Truck 924, which is normally assigned to Route 122, execution of the command RR125(SPACE BAR)117 (RETURN) would allow Truck 924 to pick up or deliver cargo on Routes 117 and 125 without declaring an OUT OF ROUTE ALERT. The OUT OF ROUTE, OK status would also be written on Line 31 of the Security Status Display associated with Truck 924 if the SS924(RETURN) command were entered.

4.4 The Printer

The printer is located at the dispatch station. The printer provides a permanent record of certain types of information produced by the Cargo Security System. As shown in Figures 1, 6, and 7, the printer also has a keyboard. The dispatcher may type on this keyboard, thereby causing the typed characters to be printed on the paper. However, the printer keyboard is not connected to the computer. This means that whatever is typed on the printer keyboard will have no effect on the operation of the Cargo Security System. The dispatcher can use the printer keyboard to type specific information, such as the disposition of a particular alert or alarm condition, on the printer in order to provide a permanent record and he is free to do so.

4.4.1 Printer Output

The printer automatically prints information for the dispatcher whenever an ALARM, R ALERT, or ALERT condition occurs on any truck being monitored by the Cargo Security System. This is illustrated in Figure 6 on lines 1, 2, and 3. The column headings shown in Figure 6 (line 1) are written at the beginning of the day in response to the Start-of-Shift (ST) command. If no alerts or alarms occur during the day, no data other than Recent History data will be printed on the printer.

The printer also provides the recent history of particular trucks as shown in Figure 7 in response to the Recent History (RH) command. (See paragraph 4.3.12). Note, when Recent History information is being printed, ALARM, R ALERT, and ALERT conditions will not be printed on the printer; however, they will be displayed on the Route Status Display. If the dispatcher is viewing a Security Status Display on the Color CRT, while a Recent History printout is being generated, and an ALARM or ALERT condition occurs on a truck other than that being observed on the Security Status Display, the dispatcher will hear an audible beep or beeping. This beeping signals the dispatcher to call up the Route Status Display(RS(RETURN)) in order to determine which truck has the ALERT, R ALERT, or ALARM condition.

4.4.2 Printer Keyboard

In normal operation, the printer keyboard should be in the following configuration: (as illustrated in Figure 6).

NORMAL PRINTER KEYBOARD CONFIGURATION

Key/Switch Name	Normal Position
POWER SWITCH	On
LOW SPEED	Not Depressed
HALF DUP	Depressed
ON-LINE	Depressed

The dispatcher may type any characters he desires on the printers. If information is sent to the printer from the computer, while the dispatcher is typing, the computer generated data will be printed in a normal manner. The dispatcher should stop typing until the printer is not printing.

Any of the keys on the printer keyboard may be used by the dispatcher; however, only those which have standard typewriter characters will print on the paper. Other keys of interest and their use are described in the following table:

PRINTER SPECIAL FUNCTION KEYS

Key Name	Function
PAPER ADV	Causes paper to advance as long as the key is depressed
LINE FEED	Causes paper to advance one line
RETURN	Causes print head carriage to return to left-hand side of printer
SHIFT	Causes upper case letter to be printed when pressed simultaneously with another keyboard character

The keys labeled ESC, CTRL, NUM, RUBOUT, REPT, and HERE IS are not needed by the dispatcher. However, depressing any of these keys will not cause any harm to the system.

Appendix B contains a detailed description of loading paper into the printer.

4.4.3 Printer Commands

As discussed previously, the printer responds to two commands input only at the dispatcher's CRT keyboard.

If, in attempting to execute a printer command, the dispatcher observes that the correct printer response is not obtained, he should perform the following steps:

1. Check the printer to assure that the Power Switch, LOW SPEED, HALF DUP, and ON-LINE keys are in their normal positions.
2. Depress the RETURN key on the CRT Display.
3. Repeat the printer command.
4. If still unsuccessful, refer to Appendix A, CARGO SECURITY SYSTEM RESTART PROCEDURE.

4.4.3.1 Start-of-Shift

Keyboard Sequence:

ST(RETURN)

Printer Response:

Prints date and column headings (Figure 6).
Also causes all trucks to be placed in the "normal" mode of operation.

4.4.3.2 Recent History

Keyboard Sequence:

RHnnnD(RETURN) where nnn is the truck number and

D = 0 calls today's history

D = 1 calls yesterday's history

D = 2 calls the day before yesterday's history

Printer Response:

Prints truck nnn's recent history (Figure 7).

Section 5

THE REMOTE ALARM

SECTION 5

THE REMOTE ALARM

When trucks have been parked in the yard for the night, they may be put in the Remote Alarm Mode of operation one at a time. When in the Remote Alarm Mode, an ALERT will be declared when any sensor on the truck is triggered. This includes all of the sensors in use during normal operation as well as an additional sensor, called an Intrusion Sensor. The Intrusion Sensor will generate an ALERT when any motion is detected within the cargo compartment.

Trucks which have been put in the Remote Alarm Mode are monitored only by the Remote Alarm CRT and will not cause any information to appear on the dispatcher's color CRT except that their STATUS will be R ALERT on the Route Status Display. Figure 1 showed the Remote Alarm CRT.

5.1 The Remote Alarm CRT Display

The Remote Alarm CRT provides a black and white display. Figure 8 shows a close up of the normal display. Under the left-hand column are listed the number of the trucks which are actively being monitored by the Cargo Security System. The second column, headed by the word ALM (for ALARM) is used to indicate that an ALERT or ALARM condition exists on a truck. The presence of an asterisk (*), in this column indicates that a sensor on the truck, whose number is to the left of the (*) has been triggered. The status of the truck is indicated under the third column, headed by the word STATUS. The status of a truck may be NORMAL or it may be one of nine other indications depending on the sensor which has been triggered. The possible STATUS words are indicated in Table 6 in descending order of priority. For example, the most serious ALERT condition for a parked vehicle is that of having the ignition keyswitch "ON". Similarly, it is more serious to have the truck in motion than to have the cargo door open. The least serious STATUS is that of NORMAL.

TABLE 6 PRIORITY OF SENSORS IN REMOTE ALARM DISPLAY

Priority	Status	Condition Indicated
1	KEY ON	Ignition switch "on"
2	SEAT	Seat occupied
3	L DOOR	Left cab door open
4	R DOOR	Right cab door open
5	MOTION	Truck moving
6	C DOOR	Cargo door open
7	D ALARM	Driver alarm
8	INTRUSION	Movement in cargo compartment
9	TAMPER	Wires cut or shorted
10	NORMAL	Normal secure condition

If a truck has more than one sensor triggered, for example, IGNITION SWITCH "ON" and SEAT OCCUPIED, only the highest priority status, in this case IGNITION SWITCH ON will be displayed on the Remote Alarm CRT Display under STATUS.

When an ALERT occurs, three things happen: (1) the asterisk(*) appears, (2) the STATUS changes, and (3) an audible alarm begins "beeping". By utilizing the ALERT ACKNOWLEDGE command, SPAKnnn(RETURN), the guard causes the asterisk (*) to be removed and the audible alarm to be terminated. The STATUS associated with that truck is not affected until the sensor causing the alert resumes its "normal" position. A vehicle may have a STATUS other than NORMAL and NOT show on (*) in the ALM column, because the guard may cause the asterisk to be removed by typing the ALERT ACKNOWLEDGE command on the Remote Alarm CRT keyboard. Note, the SPAKnnn (RETURN) command is different from the ALARM acknowledge command, CA(RETURN) which is used by the dispatcher to acknowledge an ALARM appearing on the dispatcher's CRT.

The last column on the Remote Alarm CRT display, headed by the word ENABLED is blank unless the associated vehicle is in the Remote Alarm Mode. Note that all vehicles being monitored by the Cargo Security System will be indicated in the left-hand column, but only those which have an asterisk (*) under the fourth column will be

in the Remote Alarm Mode. Thus, all columns except the first column will be blank for vehicles in the NORMAL MODE of operation.

5.2 Remote Alarm CRT Keyboard Commands

The guard may use the keyboard associated with the Remote Alarm CRT to arm or disarm trucks in the Remote Alarm Mode of operation. Available commands are described in paragraphs 5.2.1, 5.2.2, and 5.2.3.

5.2.1 Remote Alarm Arm

Keyboard Sequence:	AA ⁿⁿⁿ (RETURN) where ⁿⁿⁿ is the truck number
Response:	Places truck ⁿⁿⁿ in REMOTE ALARM Mode of operation and causes asterisk (*) to be written in column 4 on same line as the truck number.

Keyboard Sequence:	AAA(RETURN)
Response:	Places ALL trucks in REMOTE ALARM mode of operation and causes asterisk (*) to be written in column 4 opposite each truck's number.

5.2.2 Remote Alarm Disable

Keyboard Sequence:	AD ⁿⁿⁿ (RETURN) where ⁿⁿⁿ is the truck number
Response:	Removes truck ⁿⁿⁿ from REMOTE ALARM Mode of operation

Keyboard Sequence:	ADA(RETURN)
Response:	Removes ALL trucks in the yard from the REMOTE ALARM Mode of operation

5.2.3 Remote Alarm Acknowledge

Keyboard Sequence:	SPA ^{Knnn} (RETURN)
Response:	Causes asterisk (*) to be removed from the ALM column for truck ⁿⁿⁿ and terminates the audible alarm at the Remote Alarm CRT.

Figure 9 shows a close up of the Remote Alarm CRT keyboard. The knurled knob in the upper right hand corner may be used to adjust the contrast and focus of characters on the CRT. Any of the keys on this keyboard may be depressed by the operator; however, the computer system will ignore any entries other than those described in paragraphs 5.2.1, 5.2.2, and 5.2.3.

When the guard or night clerk depresses a key on the Remote Alarm CRT keyboard, the character printed on the key will appear in the upper left-hand corner of the CRT display screen. When a sequence of characters is keystroked, the entire sequence will appear on the screen. When the operator depresses the RETURN key, the characters on the screen disappear, and the command is executed by the Cargo Security System computer. The operator might type the sequence SPAK 927. This would be displayed in the upper left-hand corner of the CRT screen. His next step would be to depress the RETURN key, causing the ALERT ACKNOWLEDGE command to be executed, thereby acknowledging the ALERT on Truck No. 927.

If, upon attempting to execute a command at the Remote Alarm CRT, the operator does not observe the correct response, he should perform the following steps:

1. Check and be sure the command was properly entered.
2. Depress the (RETURN) key on the Remote Alarm CRT keyboard.
3. Repeat the command in its entirety.
4. If still unable to obtain the correct response on the Remote Alarm CRT, refer to Appendix A, CARGO SECURITY RESTART PROCEDURE.

As in the case of the dispatcher's color CRT, if a mistake is made (the operator hits the wrong key), the computer will ignore the command. When such an error is made, the Remote Alarm CRT operator will observe that the command was not executed and should re-enter the command.

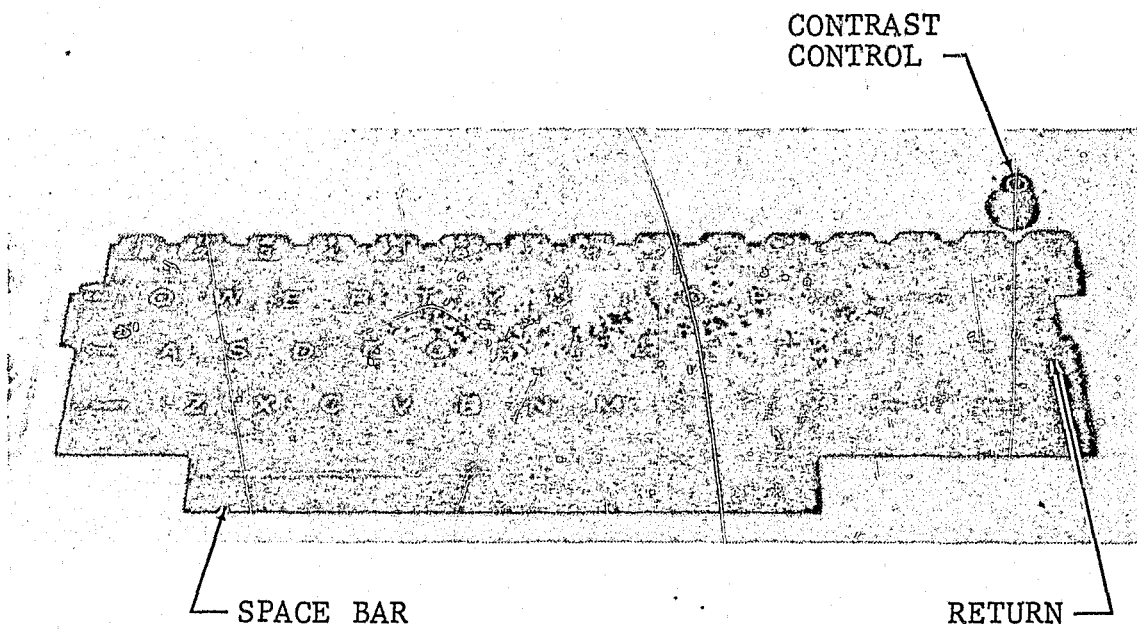


FIG. 9 REMOTE ALARM CRT KEYBOARD

Appendix A

CARGO SECURITY SYSTEM RESTART PROCEDURE

APPENDIX A

CARGO SECURITY SYSTEM RESTART PROCEDURE

A.1 The Need to Restart the System

It will be necessary for the dispatcher to start or restart the Cargo Security System only when the system has been rendered inoperative by a power failure; either at the trucking company or at a remote site housing some elements of the system. When a power failure has occurred, the dispatcher's color CRT will not show a normal display but will display two lines, written in white near the top of the screen. These lines are

1. YOU ARE NOW IN THE 8001 CRT MODE
2. =

The two little marks (=) on the dispatcher's Color CRT screen will blink. Other letters and/or numbers may appear at random locations on the screen. Whenever either the two lines described previously or random letters and/or numbers are observed on the CRT, the dispatcher should RESTART the System.

A.2 Restart Procedure

Restarting the Cargo Security System requires that the dispatcher execute 24 separate keystrokes in order on the dispatcher's color CRT keyboard. If a mistake is made, it will not affect the system, however, the dispatcher must execute the RESTART PROCEDURE again. (After completing the RESTART PROCEDURE, if the ROUTE STATUS DISPLAY has not appeared within 5 minutes, execute the RESTART PROCEDURE again.)

The 24-key RESTART PROCEDURE is shown in Table A-1. In response to most keystrokes in the RESTART PROCEDURE, the dispatcher's color CRT will display either the keystroke sequence or a computer generated response. These responses are also shown in Table A-1. The special keys (CPU RESET), (ESCAPE), and (CTRL) are identified in Figure 5.

If unable to restart the Cargo Security System, the dispatcher should call Hoffman Electronics Corporation Maintenance, (213)442-0123.

Table A-1 Cargo Security System Restart Procedure

Command	Response on CRT Screen
(CPU RESET)	YOU ARE NOW IN THE 8001 CRT MODE = (Note 1: The (=) is called the CURSOR and is generated by the computer. It is not the equal sign) (Note 2: You will hear an audible "beep" at this point)
(ESCAPE)	No Change
H	No Change
(CTRL - N)	No Change (Note: The (-) between two keys means depress both keys simultaneously; in this case the CTRL key and the N)
(ESCAPE)	No Change
R4	No Change*
(CTRL- O)	No Change (Note: The O is the letter O, not the number zero which is written as a Ø.) YOU ARE NOW IN THE 8001 CRT MODE = (Note: This is written in green, purple, yellow, and blue)
(ESCAPE)	No Change
P	INTERCOLOR 8001 CPU OPERATING SYSTEM . =
S9F9Ø(SPACE BAR)	INTERCOLOR 8001 CPU OPERATING SYSTEM . S9F9Ø 82== (Note: The second line is written in Red)
ØØ	INTERCOLOR 8001 CPU OPERATING SYSTEM - S9F9Ø 82-ØØ
(RETURN)	No Change, Until Route Status Display Appears

*When not enclosed in (), each character is key-stroked in order, in this case the R followed by the 4.

Appendix B

PRINTER MAINTENANCE & OPERATION

APPENDIX B

PRINTER MAINTENANCE AND OPERATION

The only maintenance required by the dispatcher is that of replacing the paper in the printer. Operation of the printer requires only that the printer be properly connected to the computer and to power, and that the special function keys described in subsection 4.3.2 be in their proper positions.

B.1 Printer Operations

The printer is operated by the computer through the dispatcher's CRT keyboard. The printer keyboard itself is inoperable. However proper operation of the printer requires that the following conditions be fulfilled:

1. Power cord plugged into printer and into standard 110 volt 60 cycle watt outlet
2. Power switch ON; toward the rear of the printer
3. LOW SPEED Key Not depressed
4. HALF DUP key depressed
5. ON - LINE key depressed.

All of these keys/switches are identified in Figure 7.

B.2 Changing the Paper in the Printer

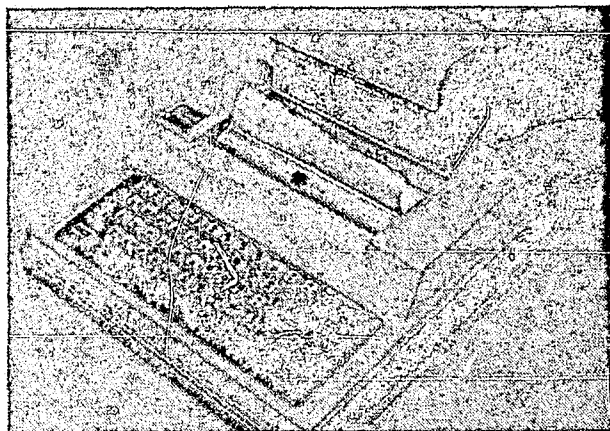
B.2.1 Removing the Old Roll of Paper:

The first step in changing the paper is to remove the old roll. This is accomplished as follows:

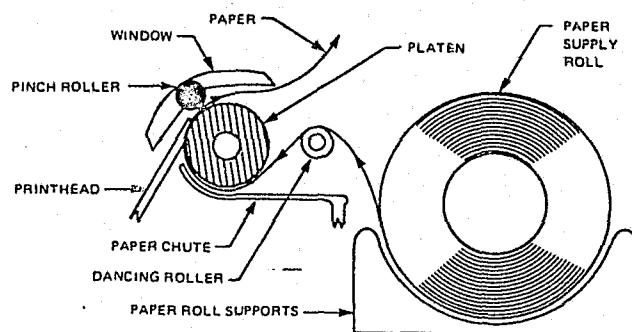
1. Lift the paper door (Figure B-1)
2. Lift the used roll from the paper compartment (Figure B-2)
3. Tear the paper in half between the paper supply roll and the dancing roller (Figure B-3)
4. Press the (PAPER ADV) key (Figure B-5) until the paper is ejected from the paper chute.

B.2.2 Replacing the Paper Supply Roll:

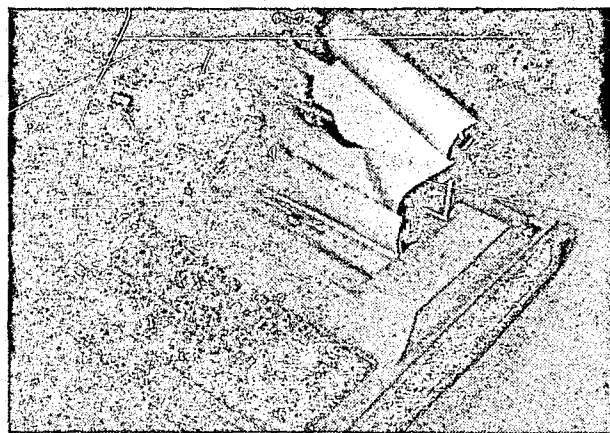
1. Place the paper supply roll in the paper roll supports as shown in Figure B-2, checking the paper supply roll can rotate freely



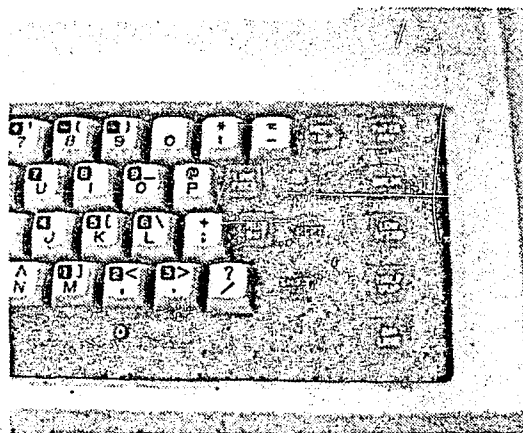
B-1



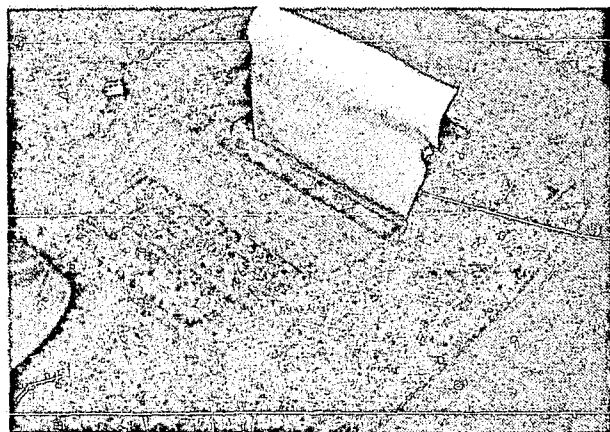
B-2 ISIDE VIEW



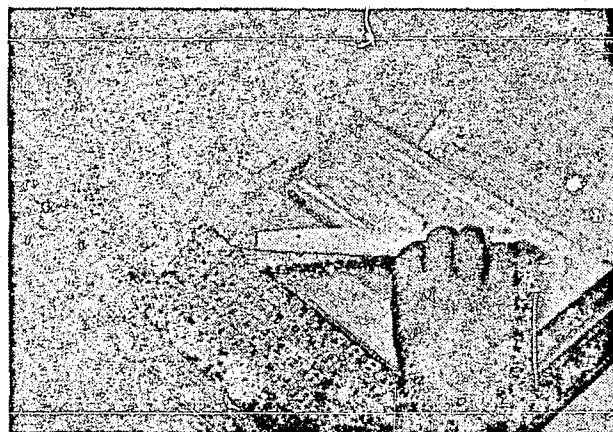
B-3



B-4



B-5



B-6

FIG. B CHANGING THE PAPER ON THE PRINTER

2. Grasp both corners of the loose end of the paper and gently pull up about 6 inches. (Figure B-4)
3. Feed the paper over the dancing roller, down through the paper chut, and up until the end of the paper is between the platen and the pinch roller. (Figure B-2)
4. Press the (PAPER ADV) key until the paper feeds past the pinch roller.

NOTE

If the paper does not feed freely, gently push the paper down the paper chut while pressing the (PAPER ADV) key.

5. Tear off excess paper along the edge of the window (Figure B-6)
6. Close the paper door, making sure the edge of the paper is outside of the paper door.
7. Turn Power Switch to OFF, then back to ON.

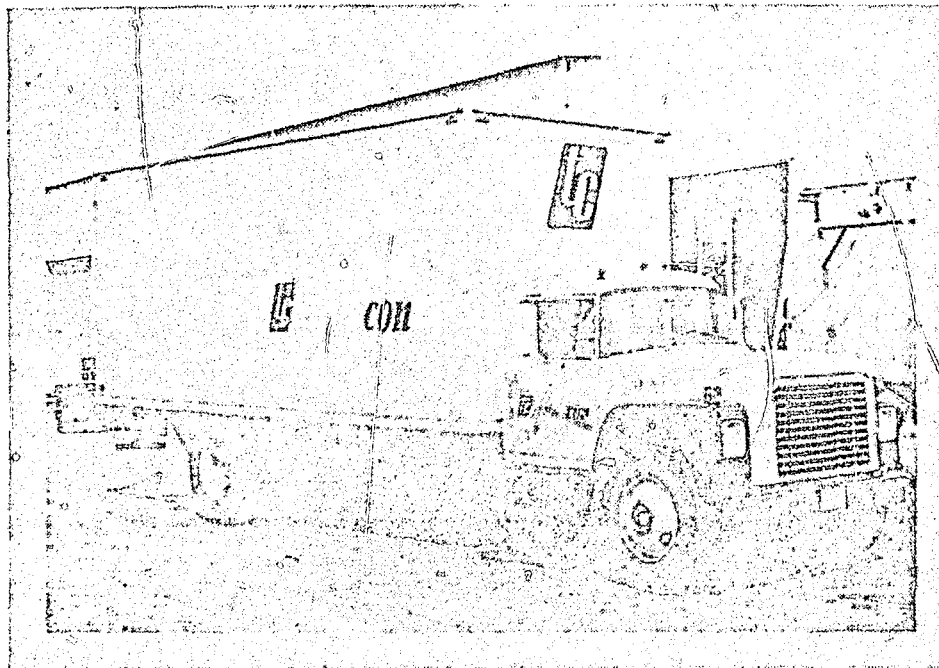
APPENDIX N

KPOL MODIFICATIONS

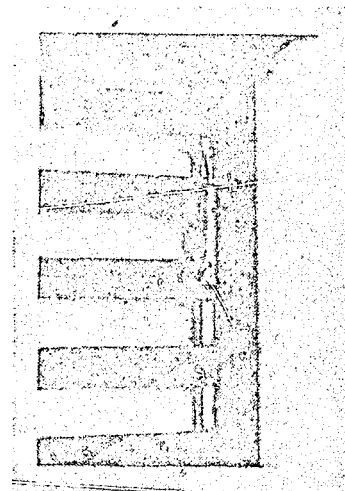
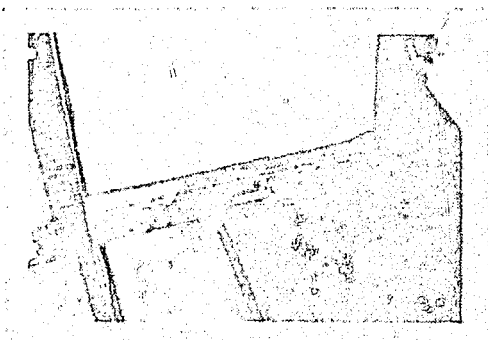
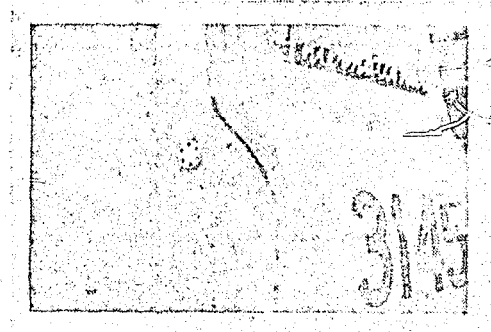
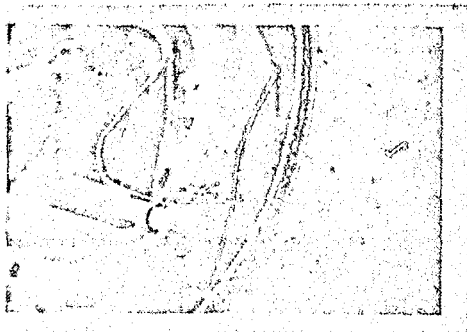
THE DRAWING PACKAGE IS CONTAINED
IN THE HARDWARE/SOFTWARE DESCRIPTION
MATERIAL SUBMITTED WITH THE SYSTEM
HARDWARE (GFE AND CFE).

APPENDIX O

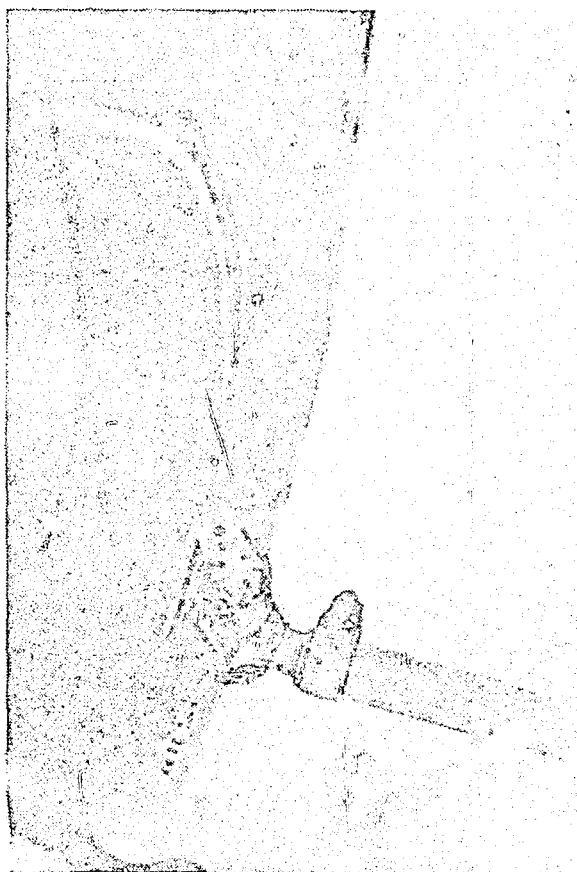
SENSOR INSTALLATION



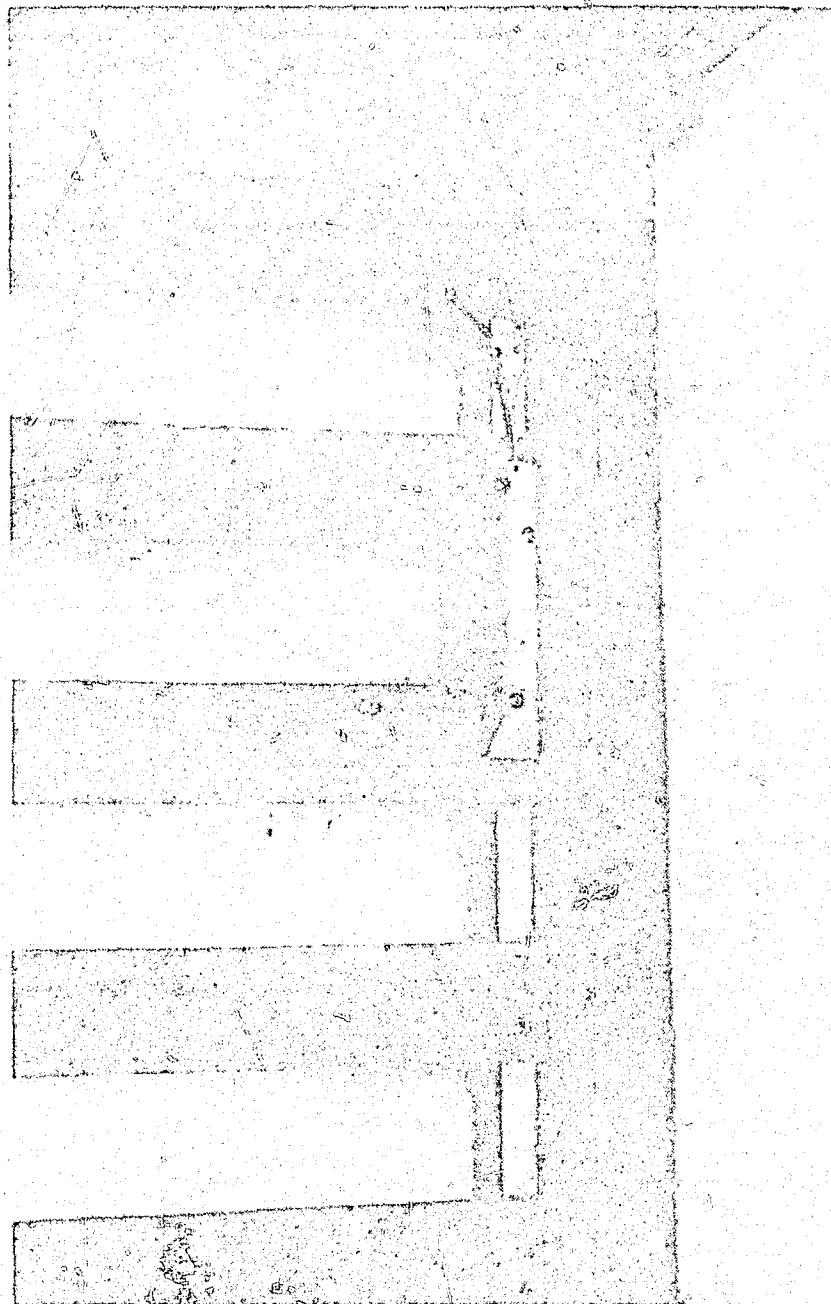
VEHICLES AT TRANSCON AND GI TRUCKING



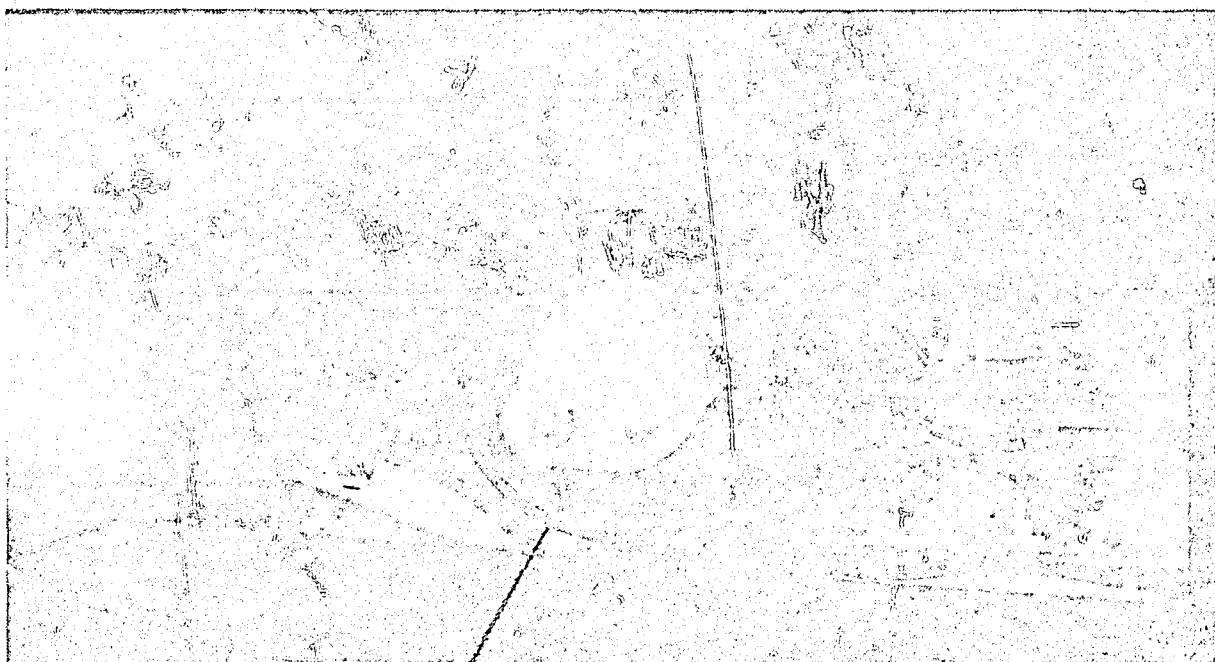
COMPOSITE OF SENSOR EQUIPMENT INTALLATIONS



ODOMETER SENSOR INSTALLATION

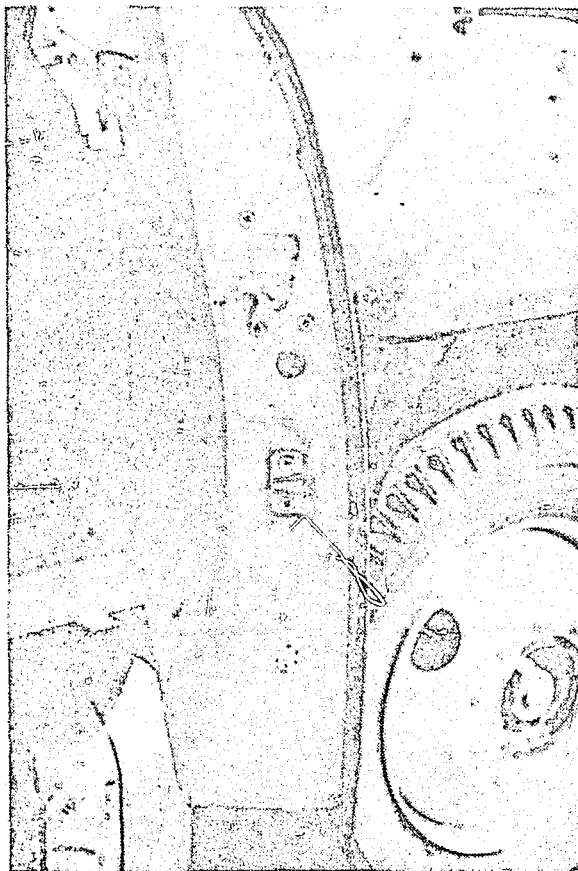
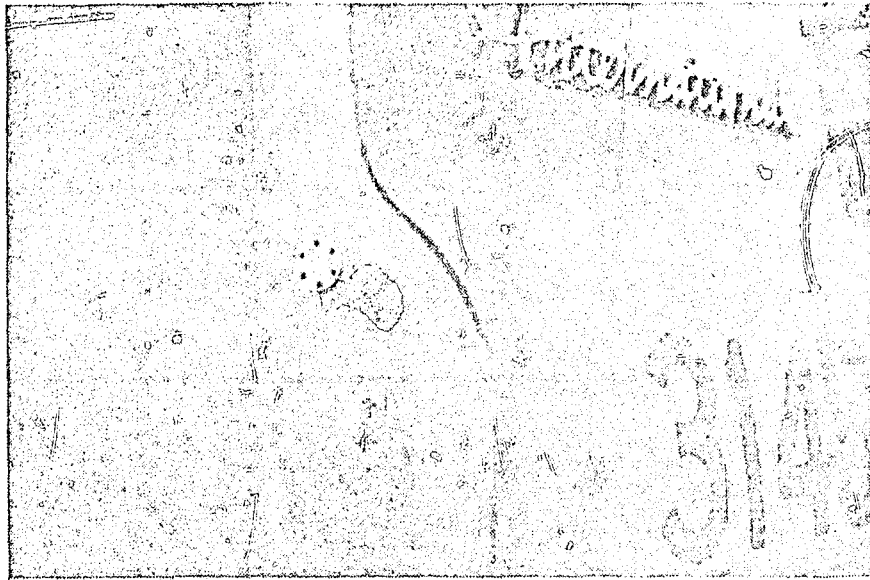


CARGO DOOR SENSOR INSTALLATION



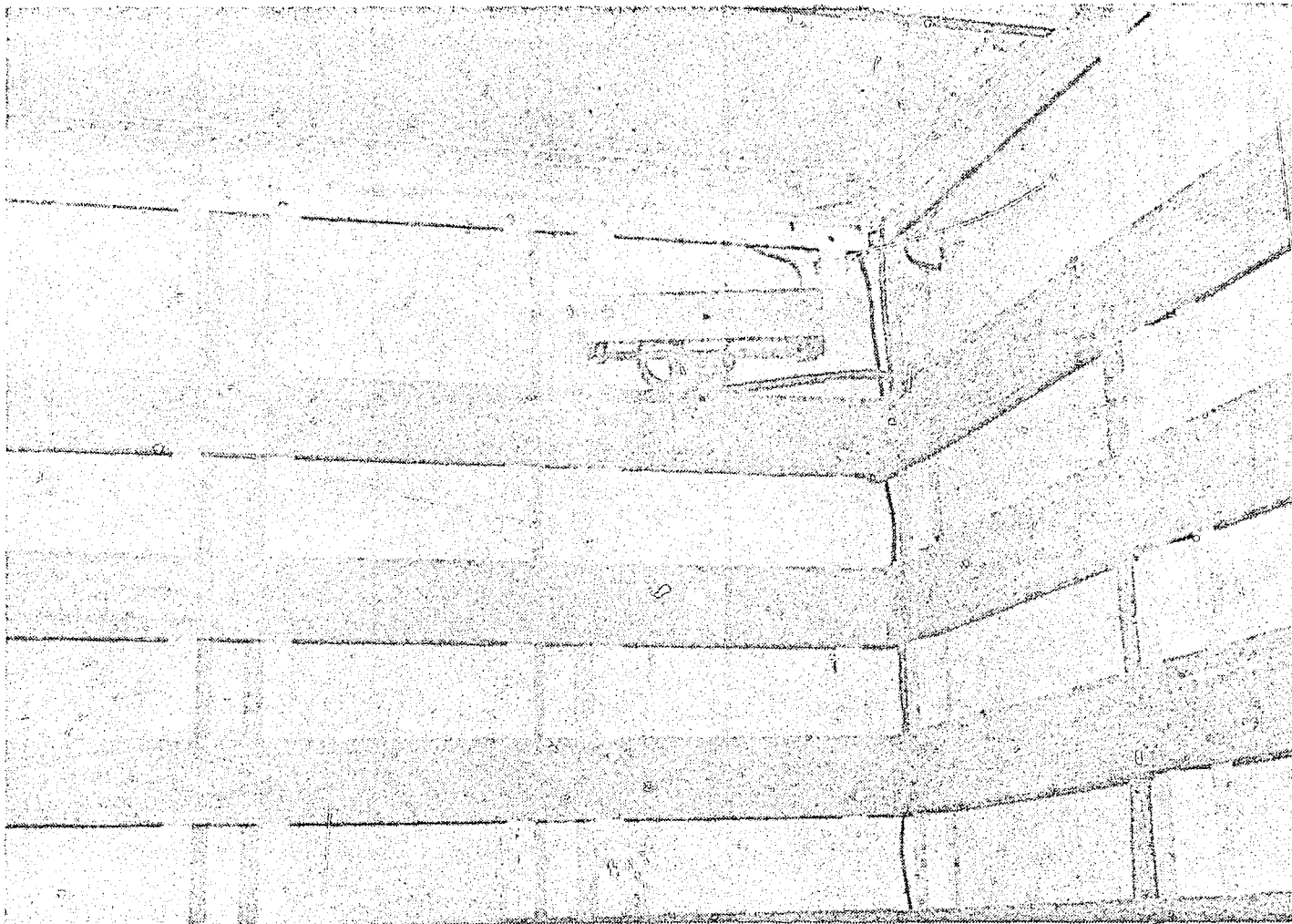
SEAT SENSOR SHOWN
BEING INSTALLED ON
TRANSCON TRUCK

SEAT SENSOR INSTALLATION

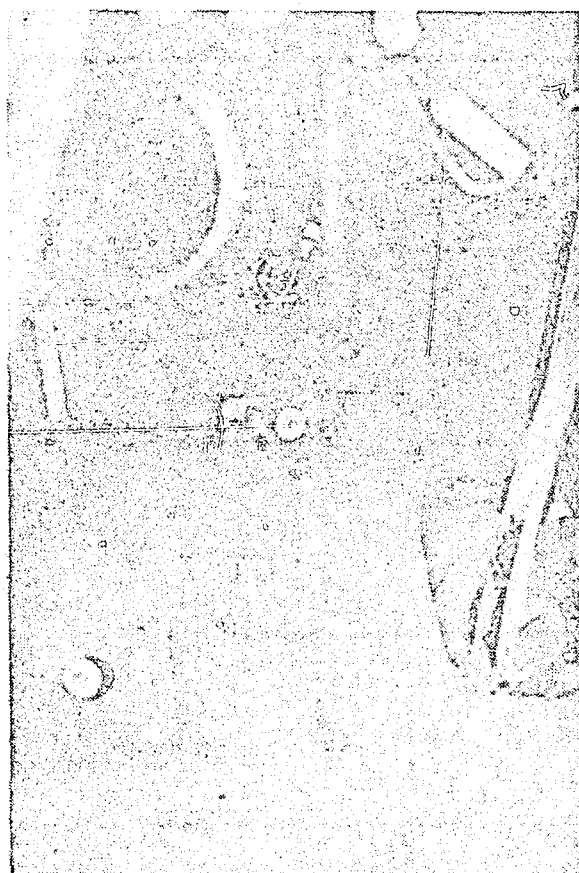


DOOR SENSOR INSTALLATION

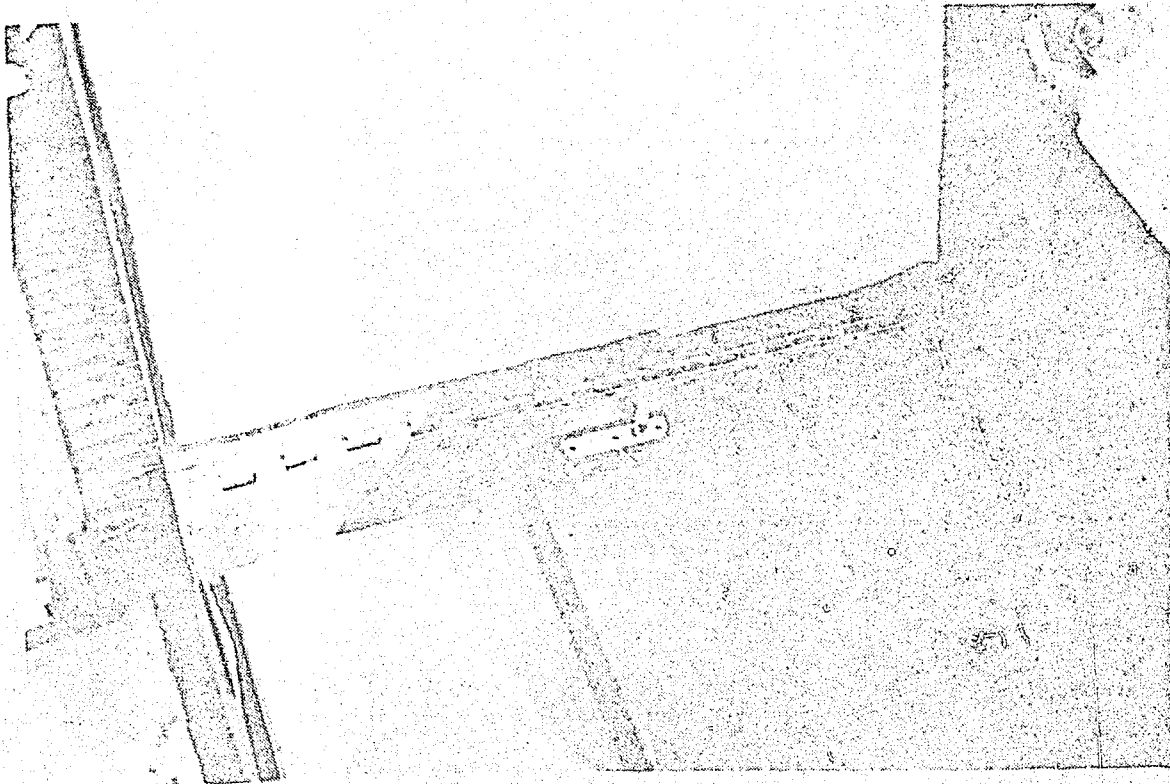




CARGO COMPARTMENT MOTION SENSOR INSTALLED



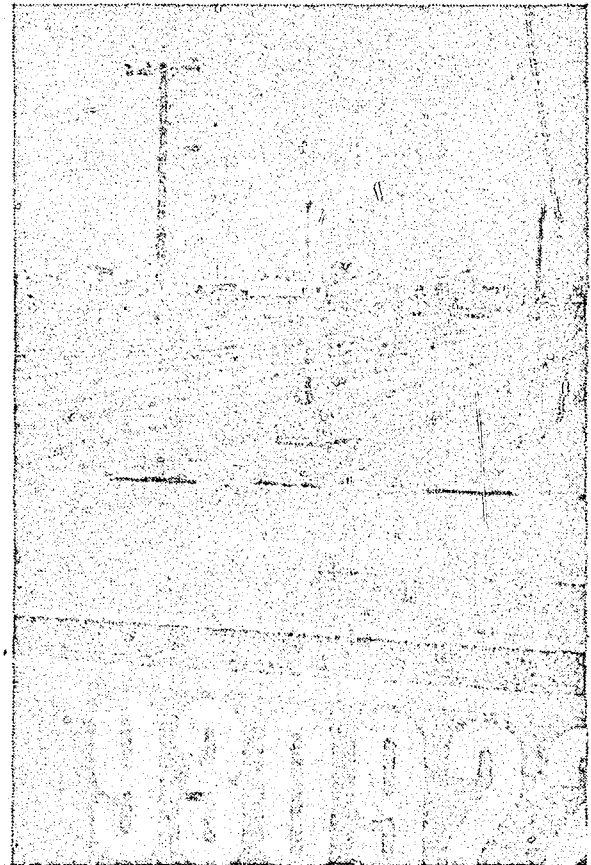
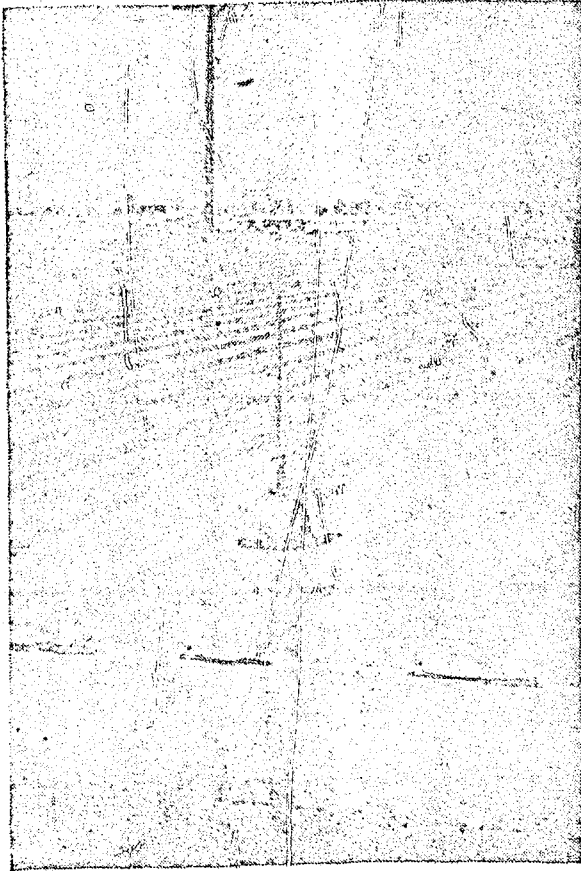
DRIVER ALARM SENSOR INSTALATIONS



TAPER SWITCH IN VEHICLE CONTROL INTERFACE UNIT



CAB MOUNTED ANTENNA FOR AM PHASE LOCK AND SIGNPOST



MOBILE RADIO ANTENNAS ON TOP OF CARGO COMPARTMENT

END

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