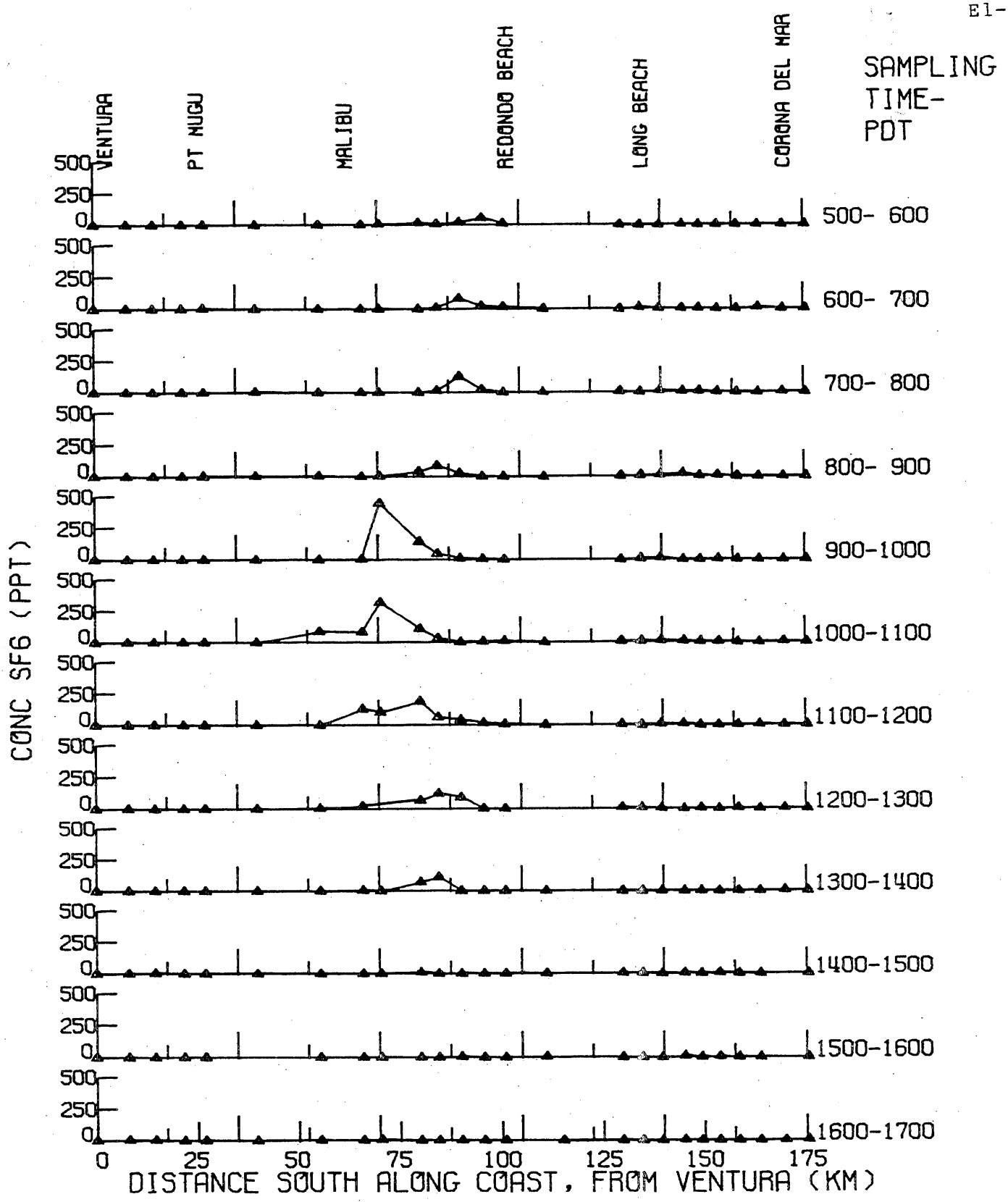
Appendix E1

Hourly Averaged Tracer Data for Fixed Sites

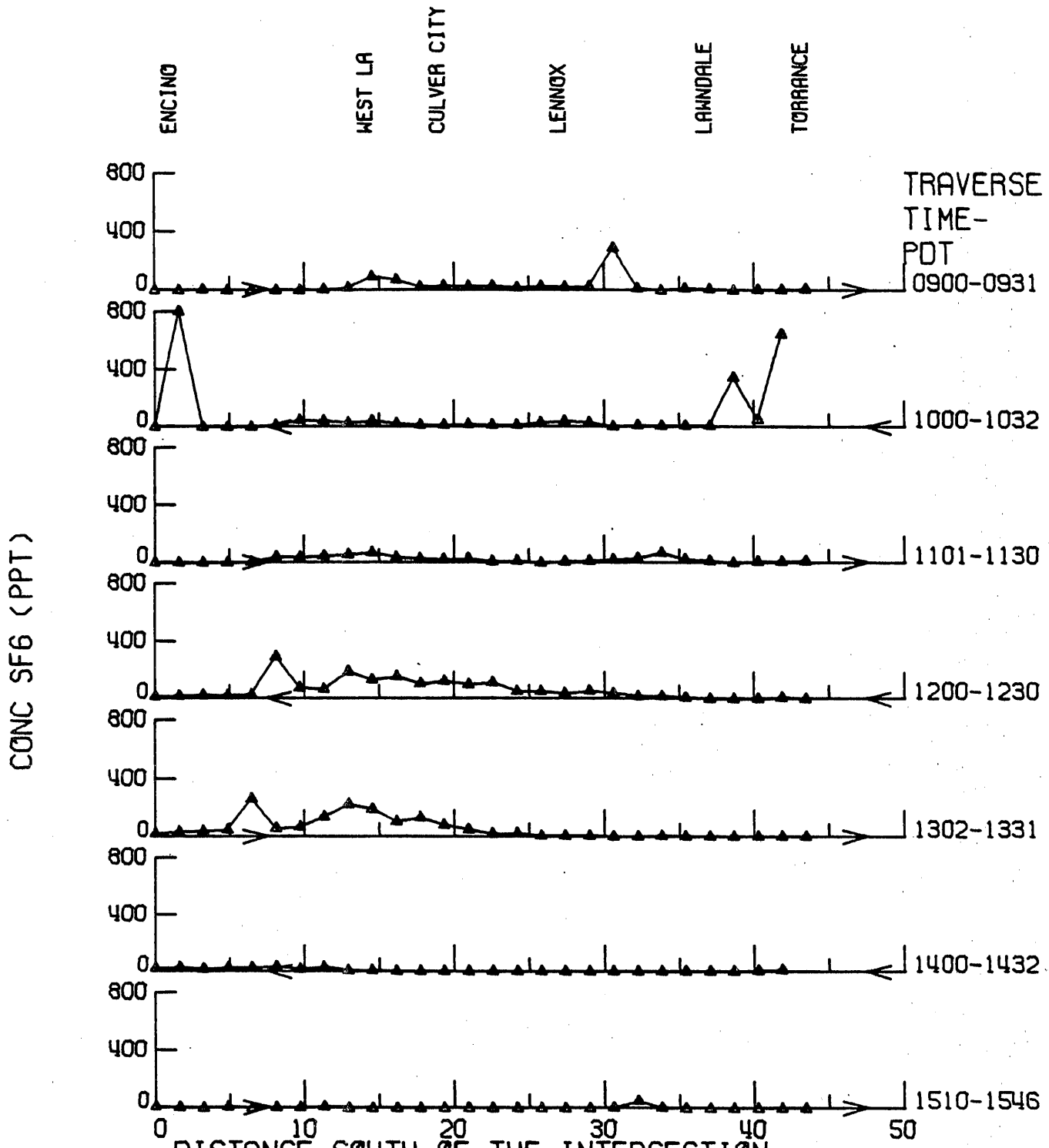
for

Test No. 5

Conducted Starting September 8, 1977



TEST NO. 5 CONDUCTED ON 9-08-77
HOURLY AVERAGED SAMPLES
SF6 RELEASED FROM SCE EL SEGUNDO POWER PLANT
AT GROUND LEVEL NEAR STACK # 3

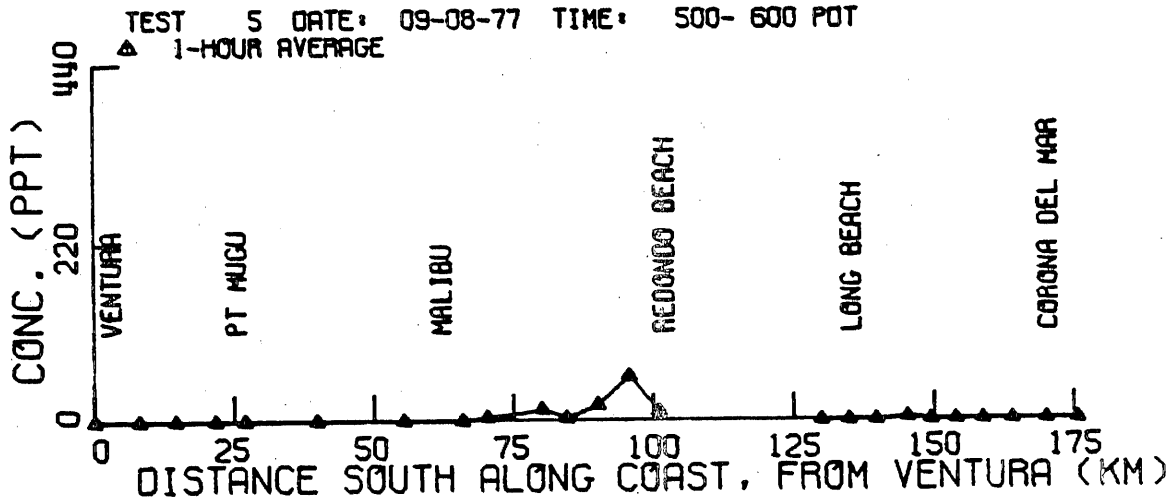


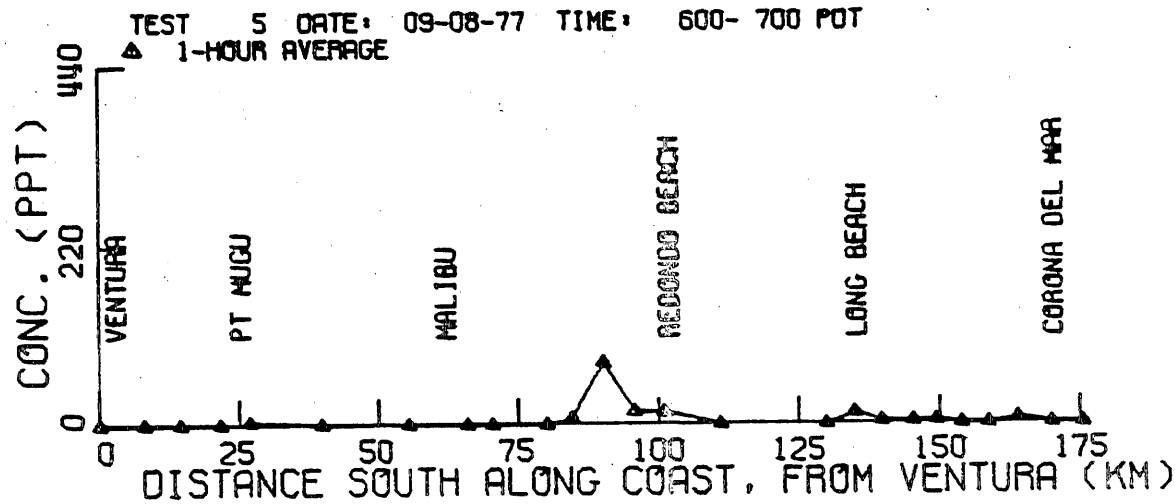
TEST NO.5 CONDUCTED 9-8-77 AUTO TRAVERSE ALONG HIGHWAY 405

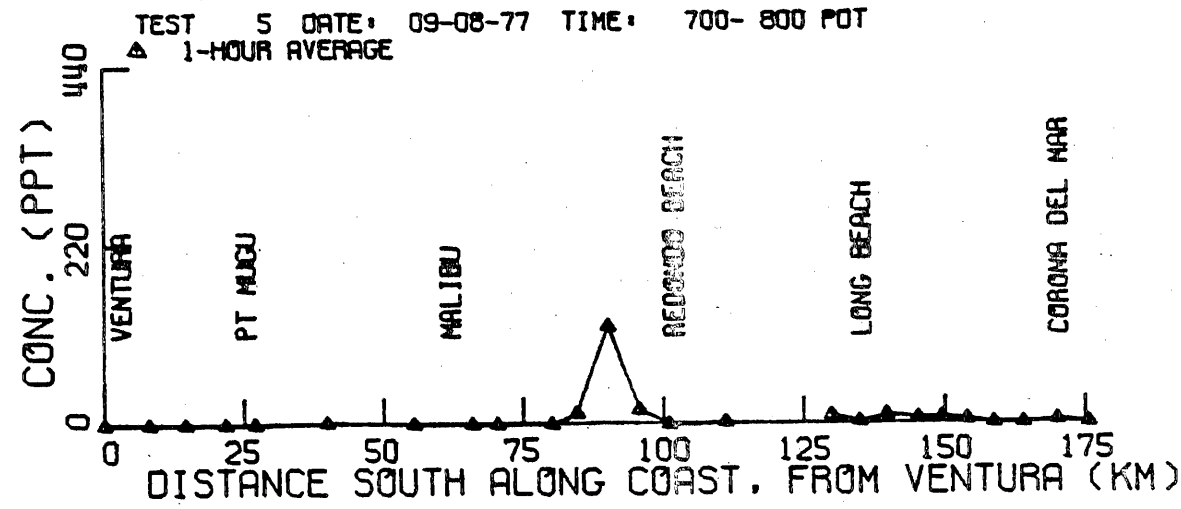
SF6 RELEASED FROM SCE EL SEGUNDO POWER PLANT

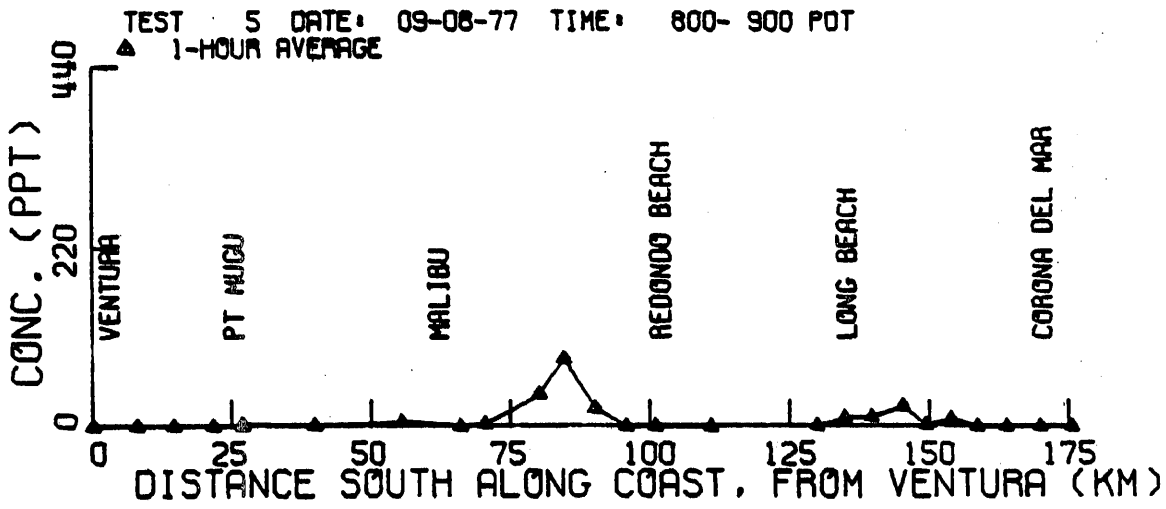
SF6 RELEASED AT 14.1 GRAMS/SECOND (112 POUNDS/HOUR)

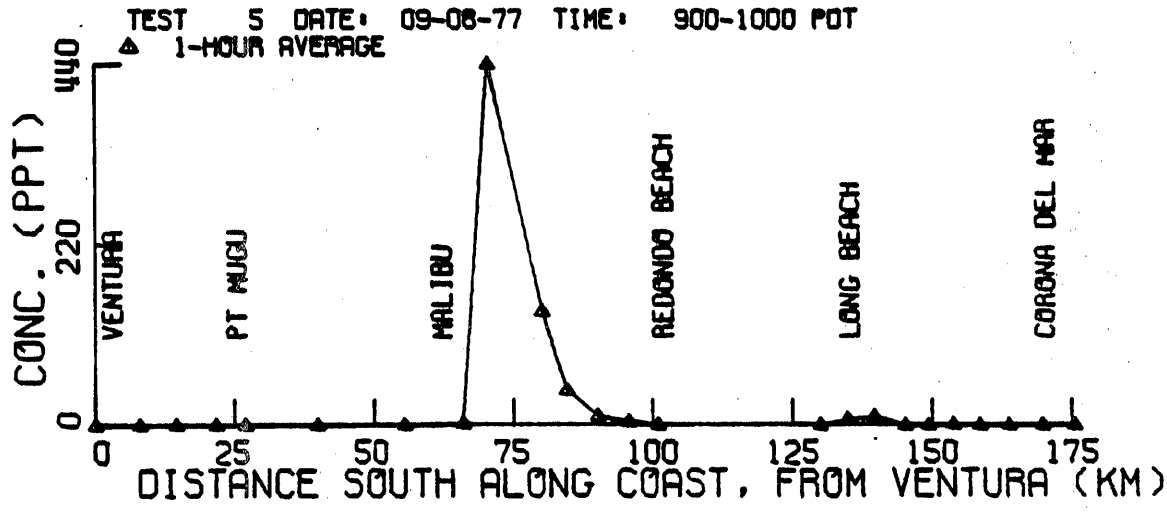
FROM 0200-0430 PDT

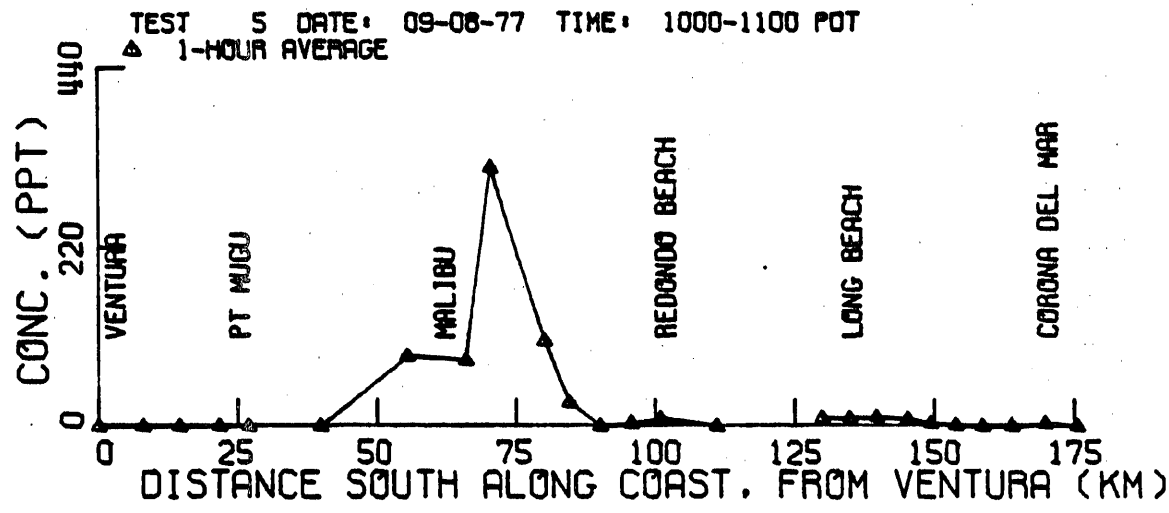

TEST 5 DATE: 09-08-77 TIME: 500- 600 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

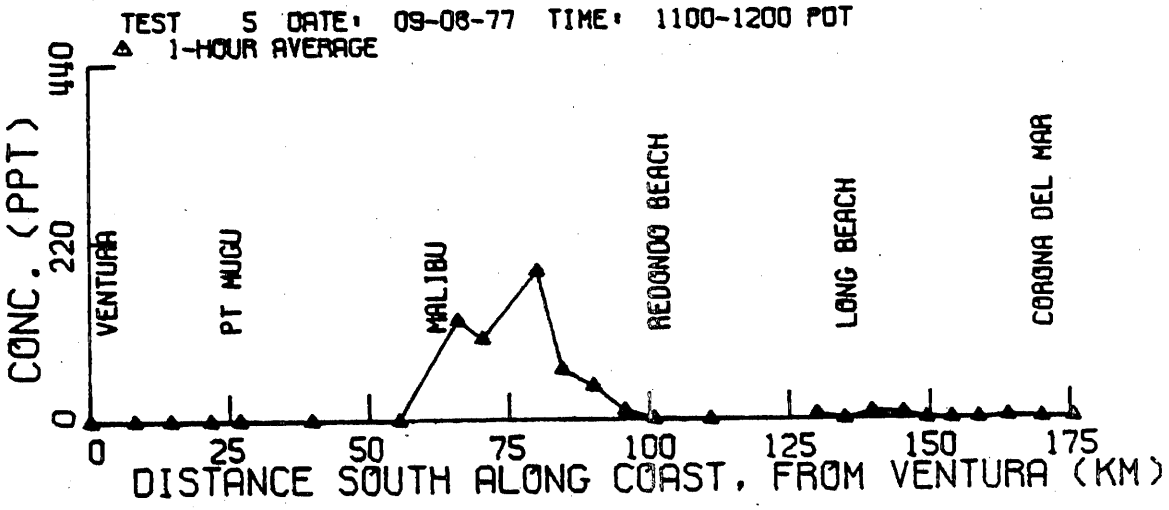

TEST 5 DATE: 09-08-77 TIME: 600- 700 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

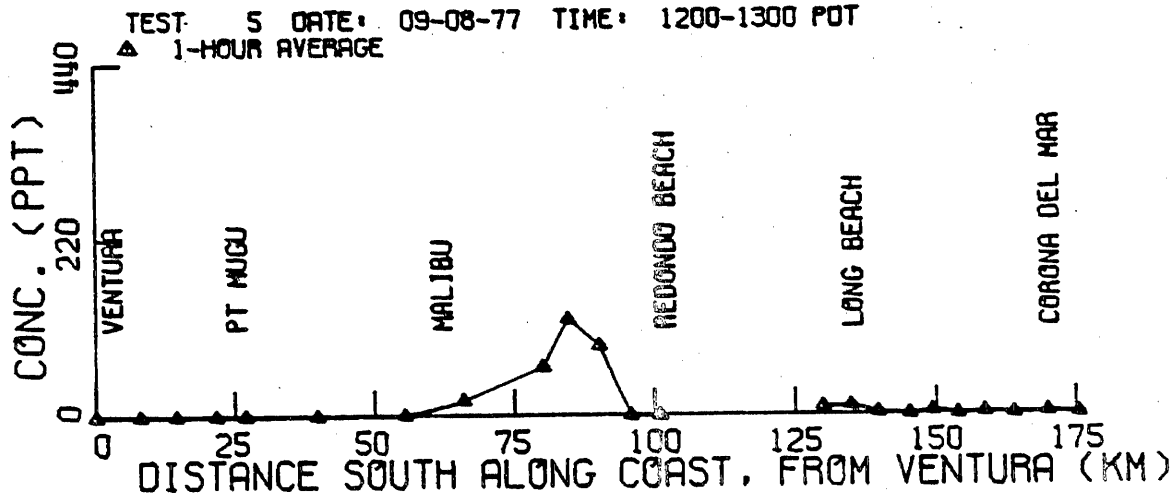

TEST 5 DATE: 09-08-77 TIME: 700- 800 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

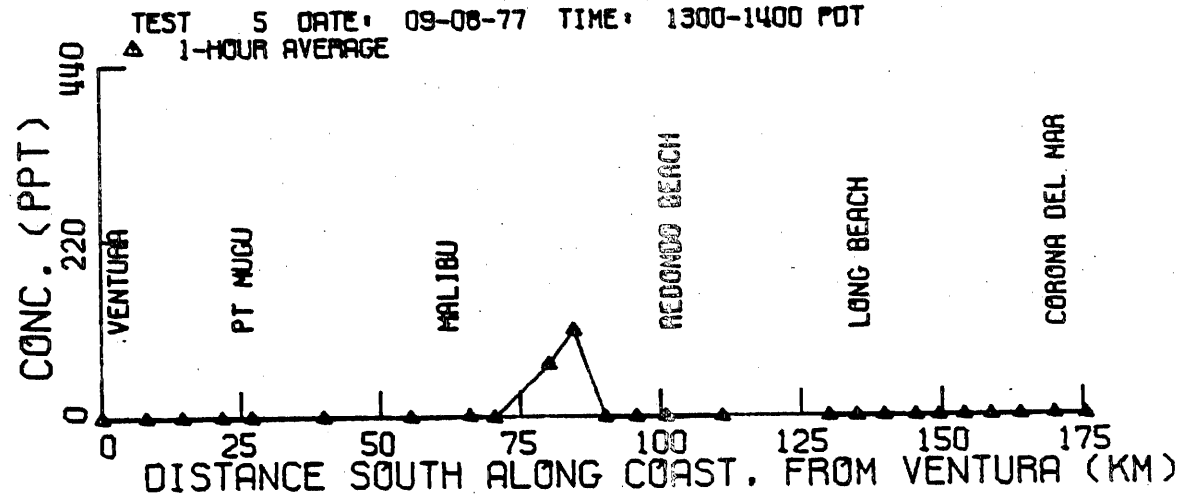

TEST 5 DATE: 09-08-77 TIME: 800- 900 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

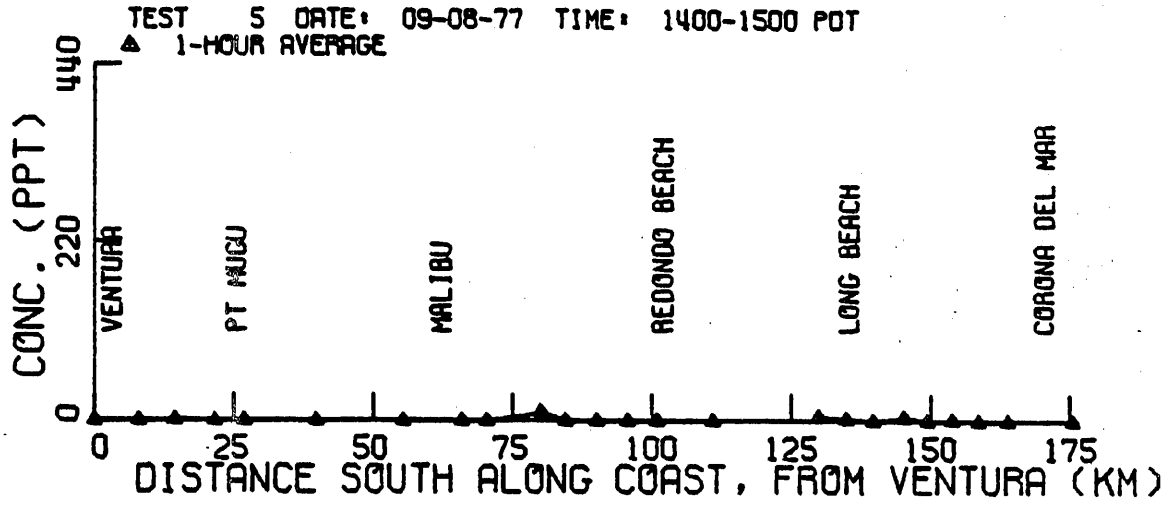

TEST 5 DATE: 09-08-77 TIME: 900-1000 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

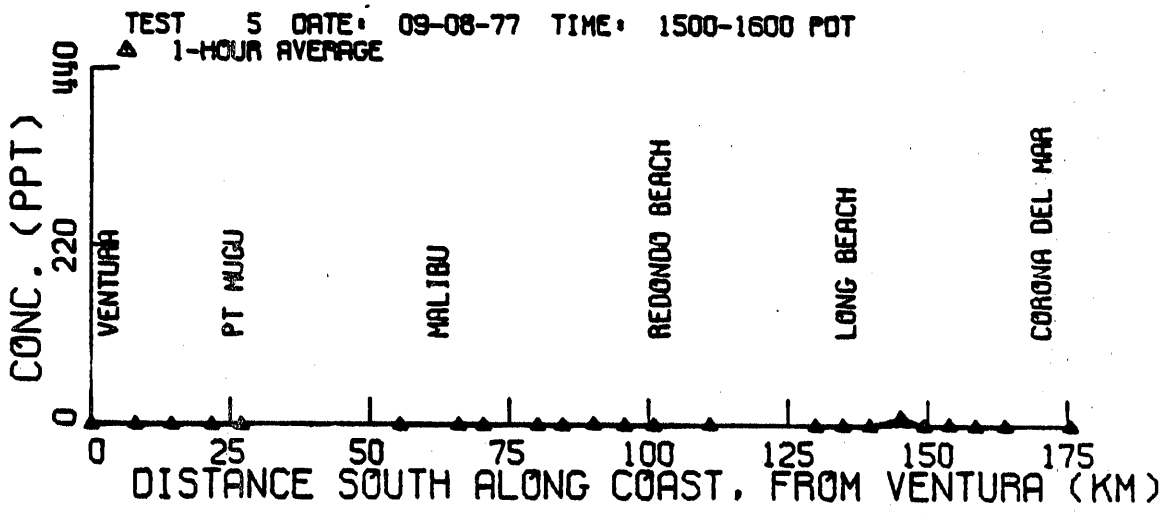

TEST 5 DATE: 09-08-77 TIME: 1000-1100 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

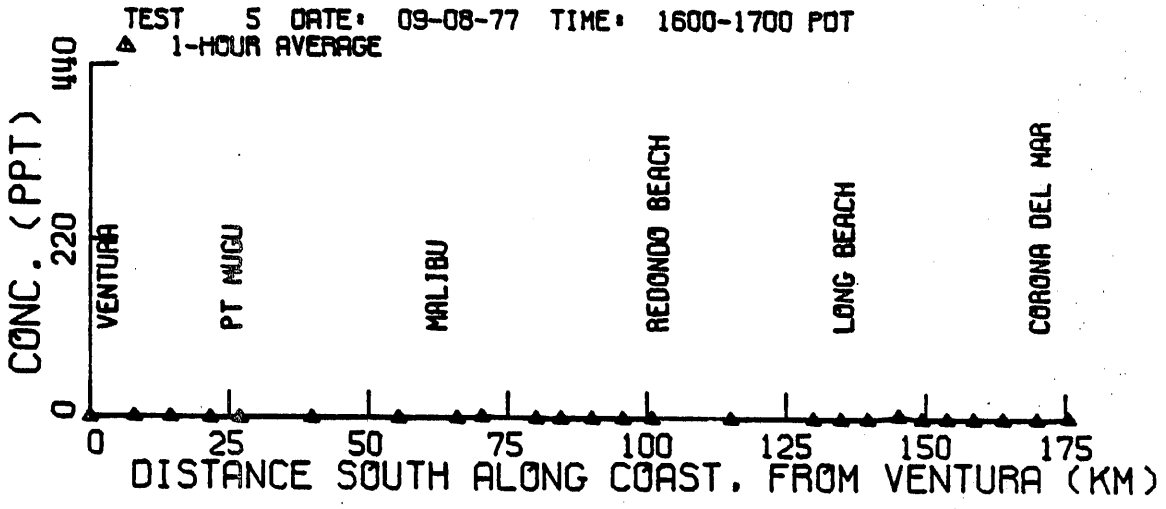

TEST 5 DATE: 09-08-77 TIME: 1100-1200 PDT
1-HOUR AVERAGE
CONC. (PPT)
440
220
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

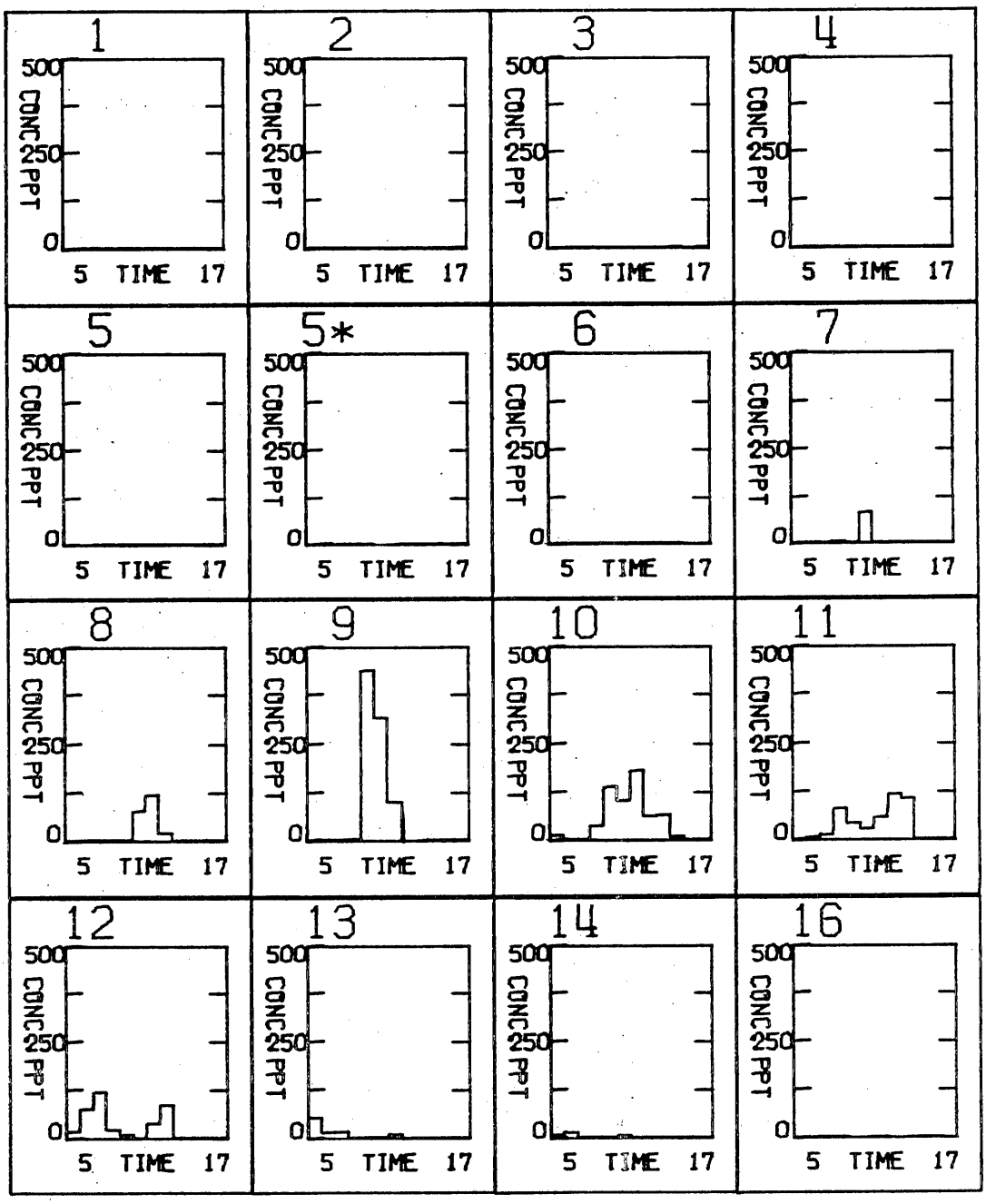

TEST 5 DATE: 09-08-77 TIME: 1200-1300 PDT
1-HOUR AVERAGE
CONC. (PPT)
440
220
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)


TEST 5 DATE: 09-08-77 TIME: 1300-1400 PDT
1-HOUR AVERAGE
CONC. (PPT)
440
220
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)


TEST 5 DATE: 09-08-77 TIME: 1400-1500 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

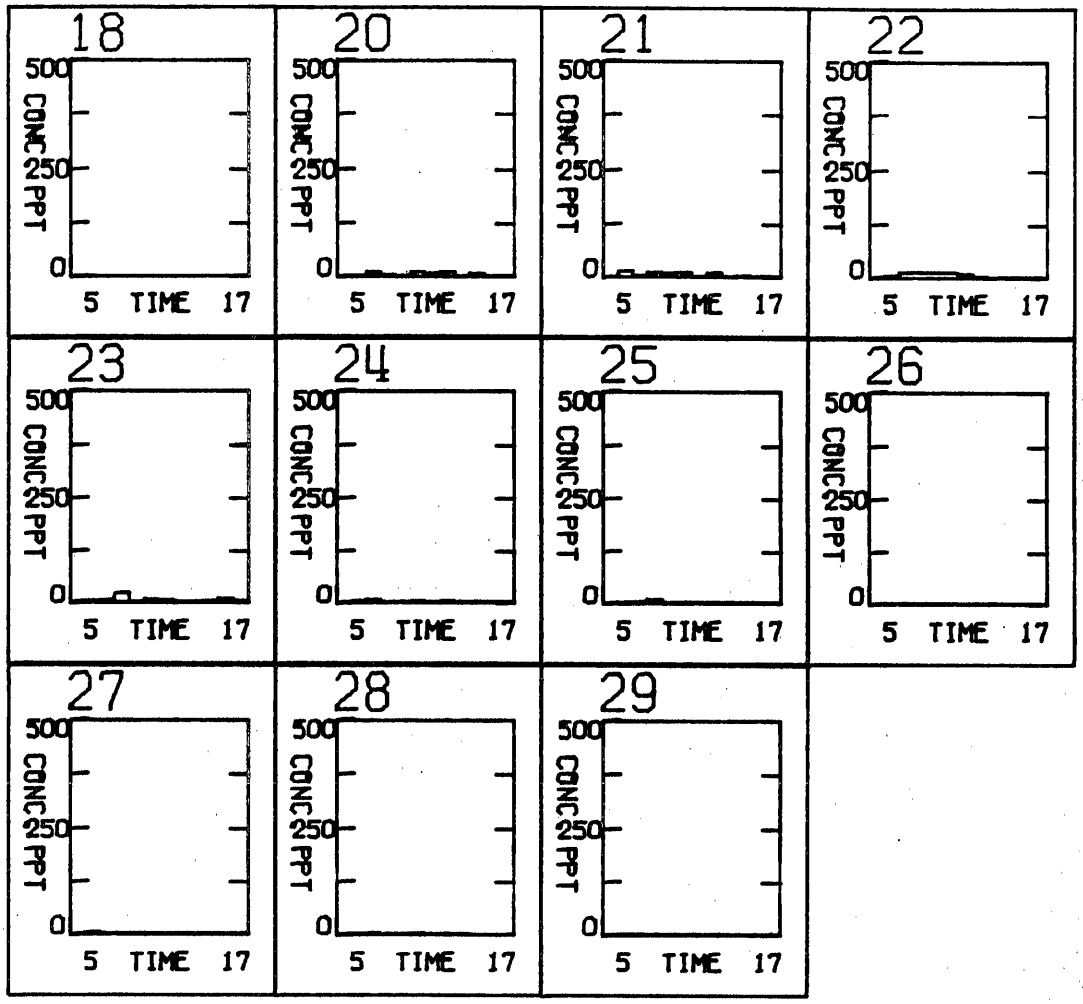

TEST 5 DATE: 09-08-77 TIME: 1500-1600 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)


TEST 5 DATE: 09-08-77 TIME: 1600-1700 PDT
1-HOUR AVERAGE
CONC. (PPT)
0
220
440
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)



* INDICATES ELEVATED SITE, LAGUNA PEAK

TEST 5



TEST 5

TABLE 1

ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)

LOS ANGELES TEST NO. 5 SF6 TRACER

HOUR OF DAY-PACIFIC DAYLIGHT TIME 9-08-77

STATION NUMBER	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	1	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	****	0	0	0	0	0	0	0	0	0	0
5*	0	3	0	2	0	****	0	0	0	0	0	0
6	0	0	2	1	0	0	0	0	0	0	****	0
7	0	0	0	5	0	85	0	1	0	0	0	0
8	0	0	0	0	2	80	121	19	2	0	0	0
9	4	0	0	3	438	315	99	****	0	0	0	2
10	14	0	0	39	140	104	182	61	66	10	0	0
11	3	7	13	83	43	28	60	120	107	0	0	0
12	19	78	122	22	10	0	40	88	0	0	1	0
13	55	16	17	0	4	3	11	0	0	0	0	0

**** INDICATES UNAVAILABLE OR FAULTY DATA

* INDICATES ELEVATED SITE, LAGUNA PEAK

TABLE 1 (CONT.)

ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)

LOS ANGELES TEST NO. 5 SF6 TRACER

HOUR OF DAY-PACIFIC DAYLIGHT TIME 9-08-77

STATION NUMBER	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
14	10	15	0	0	0	8	1	0	0	0	0	0
16	****	0	2	0	****	0	0	****	0	0	1	****
18	****	****	****	****	****	****	****	****	****	****	****	0
20	0	0	9	1	0	9	5	9	0	5	0	0
21	0	14	2	10	7	9	0	10	0	2	0	0
22	0	3	11	12	11	11	8	2	0	0	0	0
23	3	3	6	25	0	8	6	0	0	4	10	4
24	0	4	7	2	0	3	0	4	0	0	0	0
25	0	0	4	9	1	1	0	0	0	1	1	0
26	0	0	0	0	0	0	0	2	0	0	0	0
27	0	6	0	0	0	0	2	0	0	0	0	0
28	0	0	3	0	0	3	0	2	1	****	****	0
29	0	0	0	0	0	0	0	0	0	0	0	2

**** INDICATES UNAVAILABLE OR FAULTY DATA

* INDICATES ELEVATED SITE, LAGUNA PEAK

Appendix E2

Auto Traverse Tracer Data

for

Test No. 5

Conducted Starting September 8, 1977

February 3, 1982

Test: Land Breeze - Sea Breeze, Test 5

Conducted: September 8-9, 1977

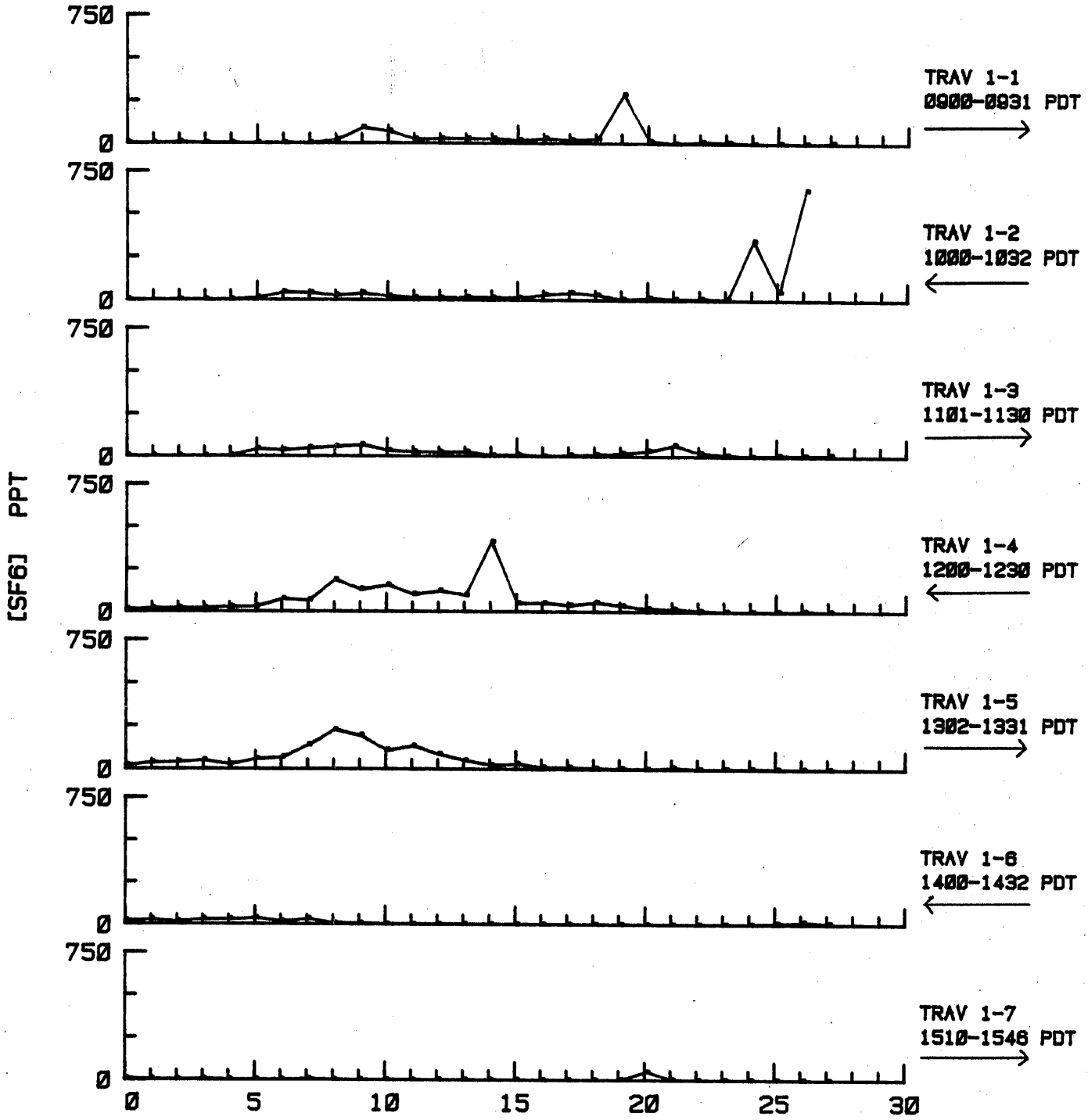
Release Location: El Segundo Power Plant at ground level near Stack #3

Release Rate: 113 pounds SF_6 per hour (14.2 grams per second)

Release Time: 0200-0430 PDT - September 8, 1977

Traverse Number	Day	Start Time	End Time	Start Location	End Location	Number of Samples	Route
1	1	0900	0931	405 & 101	405 & 11	28	S on 405
2	1	1000	1032	405 & 11	405 & 101	27	N on 405
3	1	1101	1130	405 & 101	405 & 11	28	S on 405
4	1	1200	1230	405 & 11	405 & 101	28	N on 405
5	1	1302	1331	405 & 101	405 & 11	28	S on 405
6	1	1400	1432	405 & 11	405 & 101	28	N on 405
7	1	1510	1546	405 & 101	405 & 11	28	S on 405
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

LSB-5 AUTO TRAVERSES ALONG I405, 9/8/77

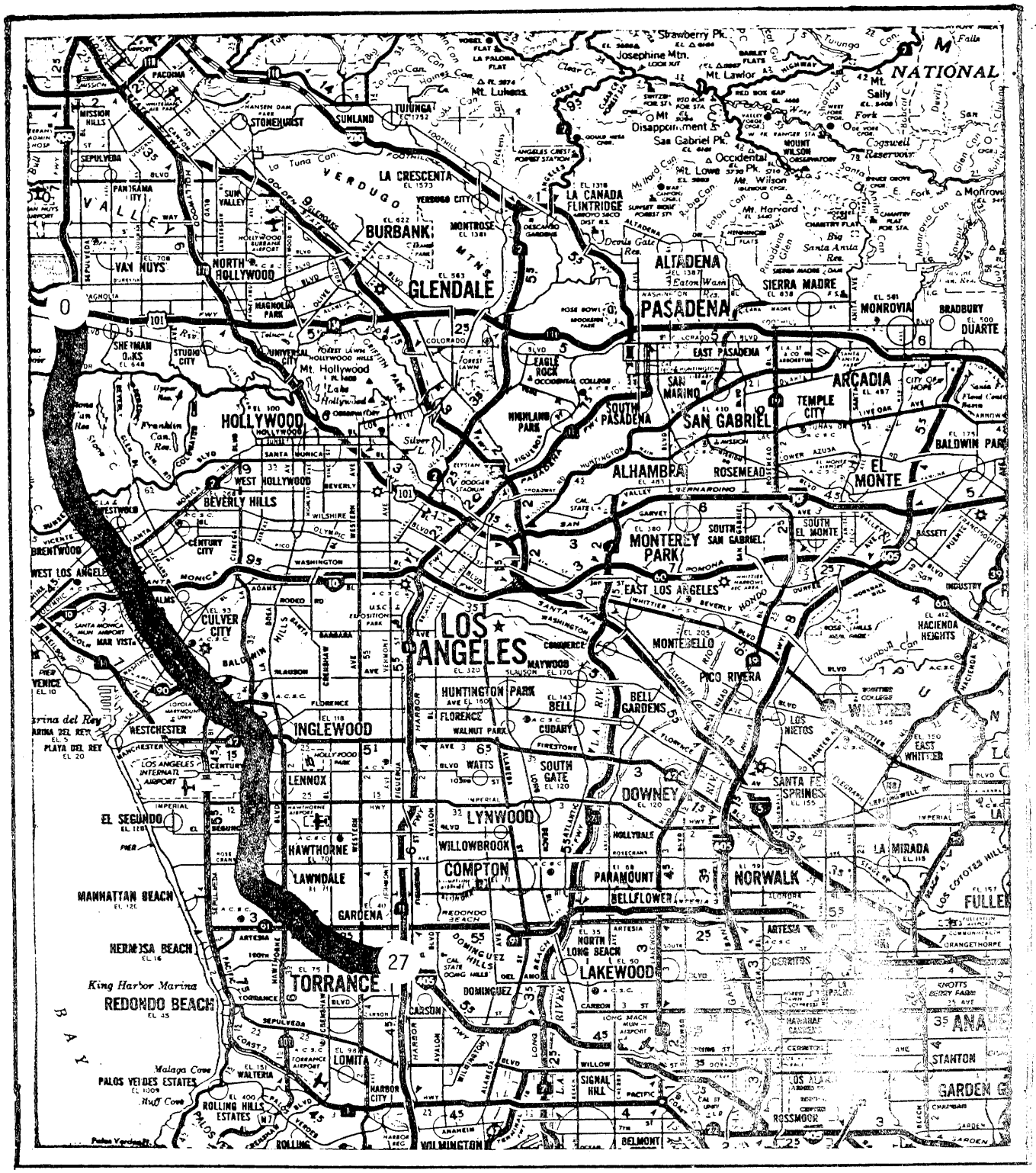


RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) FROM EL SEGUNDO POWER PLANT AT GROUND LEVEL NEAR STACK # 3
RELEASE TIME: 0200-0430 PDT, 9/8/77
⟶ INDICATES DIRECTION OF TRAVERSE

TW 2/8/82

LSB-5

1-1



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-1 TRAV LSB-5

RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0200-0430 PDT, 9/8/77

TRAVERSE START: 0900 PDT, 9/8/77 AT 405 & 101
TRAVERSE END: 0931 PDT AT 405 & 11
TRAVERSE ROUTE: S ON 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	2
1	0	26	1
2	5	27	7
3	0		
4	0		
5	0		
6	0		
7	1		
8	18		
9	90		
10	69		
11	21		
12	27		
13	25		
14	26		
15	17		
16	27		
17	19		
18	25		
19	285		
20	13		
21	0		
22	10		
23	8		
24	0		

LSB-5

1-2

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-2 TRAV LSB-5

RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0200-0430 PDT, 9/8/77

TRAVERSE START: 1000 PDT, 9/8/77 AT 405 & 11
TRAVERSE END: 1032 PDT AT 405 & 101
TRAVERSE ROUTE: N ON 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	638	25	*
1	49	26	0
2	342		
3	5		
4	9		
5	7		
6	14		
7	4		
8	30		
9	42		
10	31		
11	13		
12	12		
13	17		
14	11		
15	14		
16	22		
17	38		
18	26		
19	41		
20	43		
21	12		
22	0		
23	0		
24	0		

LSB-5

1-3

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-3 TRAV LSB-5

RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0200-0430 PDT, 9/8/77

TRAVERSE START: 1101 PDT, 9/8/77 AT 405 & 101
TRAVERSE END: 1130 PDT AT 405 & 11
TRAVERSE ROUTE: S ON 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	9
1	0	26	7
2	0	27	11
3	0		
4	4		
5	42		
6	35		
7	47		
8	56		
9	66		
10	33		
11	25		
12	23		
13	26		
14	5		
15	10		
16	0		
17	8		
18	10		
19	19		
20	32		
21	66		
22	20		
23	10		
24	0		

LSB-5

1-4

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-4 TRAV LSB-5

RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0200-0430 PDT, 9/8/77

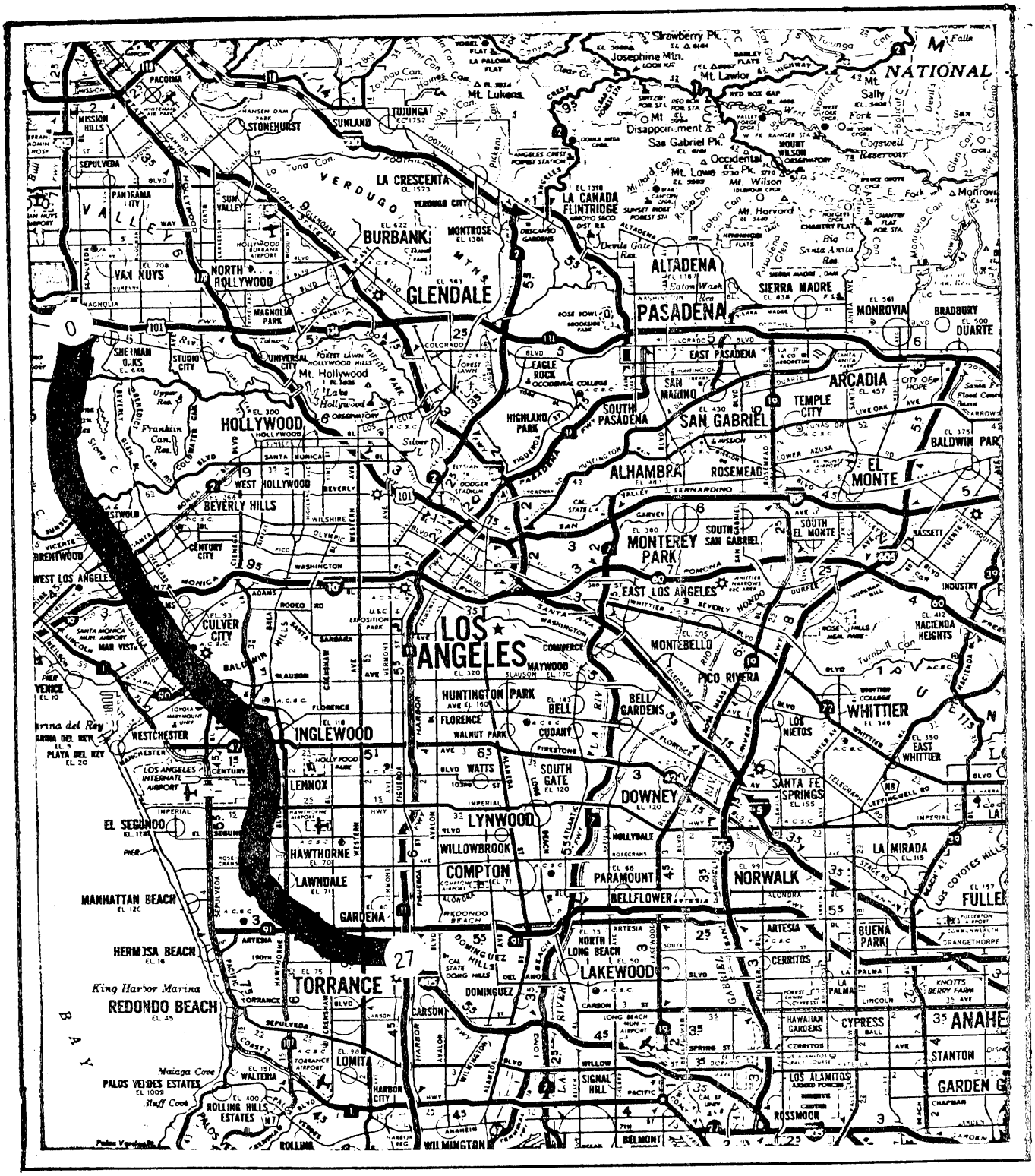
TRAVERSE START: 1200 PDT, 9/8/77 AT 405 & 11
TRAVERSE END: 1230 PDT AT 405 & 101
TRAVERSE ROUTE: N ON 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	19
1	5	26	18
2	0	27	11
3	0		
4	0		
5	5		
6	17		
7	18		
8	34		
9	54		
10	37		
11	50		
12	49		
13	409		
14	96		
15	121		
16	101		
17	155		
18	129		
19	185		
20	65		
21	73		
22	29		
23	27		
24	20		

LSB-5

1-5



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-5 TRAV LSB-5

RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0200-0430 PDT, 9/8/77

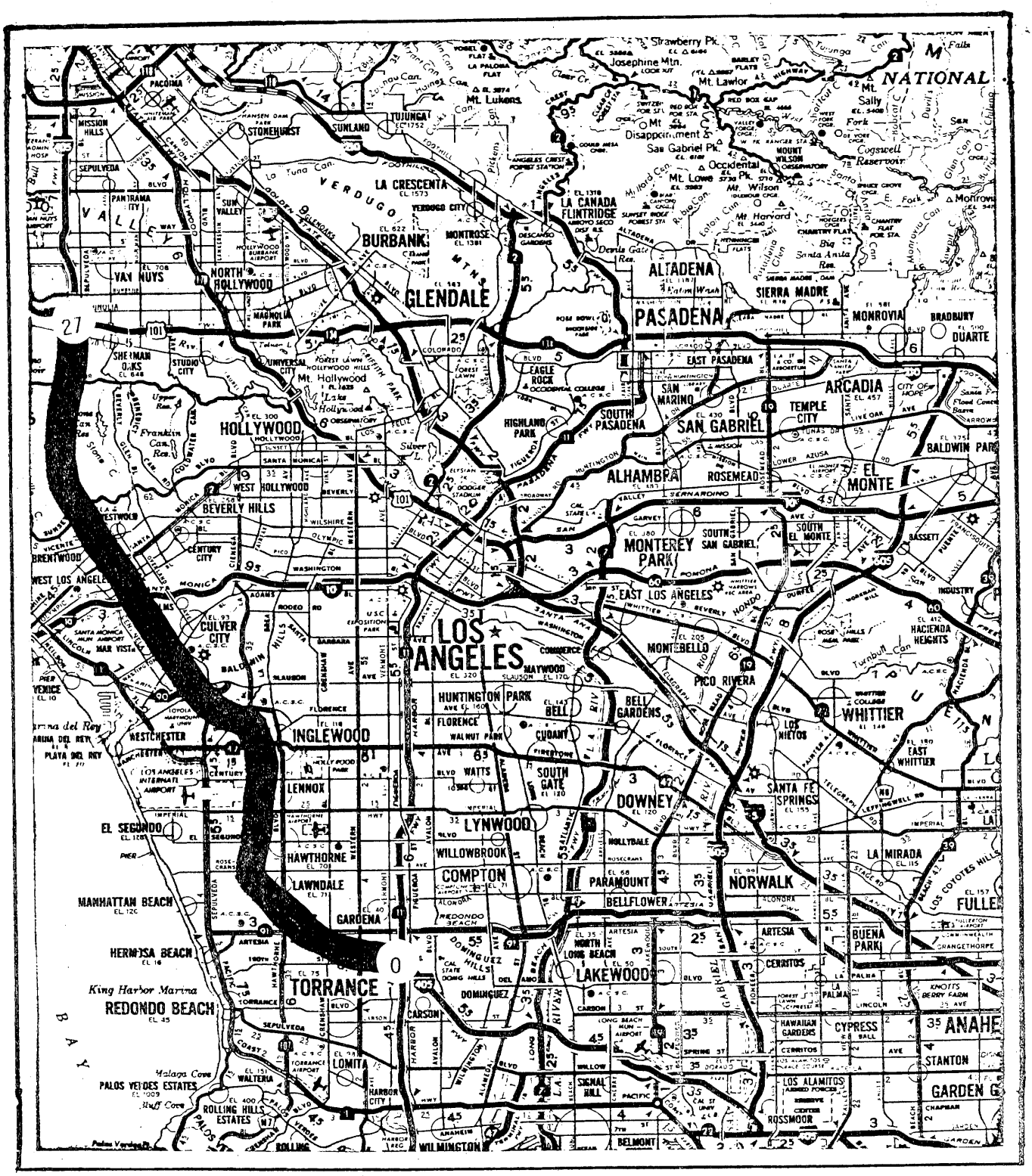
TRAVERSE START: 1302 PDT, 9/8/77 AT 405 & 101
TRAVERSE END: 1331 PDT AT 405 & 11
TRAVERSE ROUTE: S ON 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	19	25	0
1	34	26	0
2	39	27	0
3	48		
4	25		
5	57		
6	66		
7	137		
8	224		
9	192		
10	106		
11	132		
12	84		
13	49		
14	21		
15	28		
16	9		
17	9		
18	5		
19	2		
20	0		
21	7		
22	0		
23	0		
24	2		

LSB-5

1-6



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-6 TRAV LSB-5

RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0200-0430 PDT, 9/8/77

TRAVERSE START: 1400 PDT, 9/8/77 AT 405 & 11
TRAVERSE END: 1432 PDT AT 405 & 101
TRAVERSE ROUTE: N ON 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	6	25	16
1	14	26	27
2	6	27	20
3	1		
4	0		
5	0		
6	0		
7	0		
8	0		
9	0		
10	0		
11	0		
12	0		
13	0		
14	0		
15	0		
16	0		
17	0		
18	5		
19	7		
20	30		
21	16		
22	36		
23	28		
24	28		

LSB-5

1-7

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-7 TRAV LSB-5

RELEASE: 113 LBS SF6/HR (14.2 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0200-0430 PDT, 9/8/77

TRAVERSE START: 1510 PDT, 9/8/77 AT 405 & 101
TRAVERSE END: 1546 PDT AT 405 & 11
TRAVERSE ROUTE: S ON 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	6	25	0
1	2	26	0
2	0	27	0
3	5		
4	0		
5	1		
6	1		
7	7		
8	0		
9	0		
10	0		
11	0		
12	0		
13	0		
14	0		
15	0		
16	0		
17	0		
18	0		
19	2		
20	50		
21	3		
22	0		
23	0		
24	0		

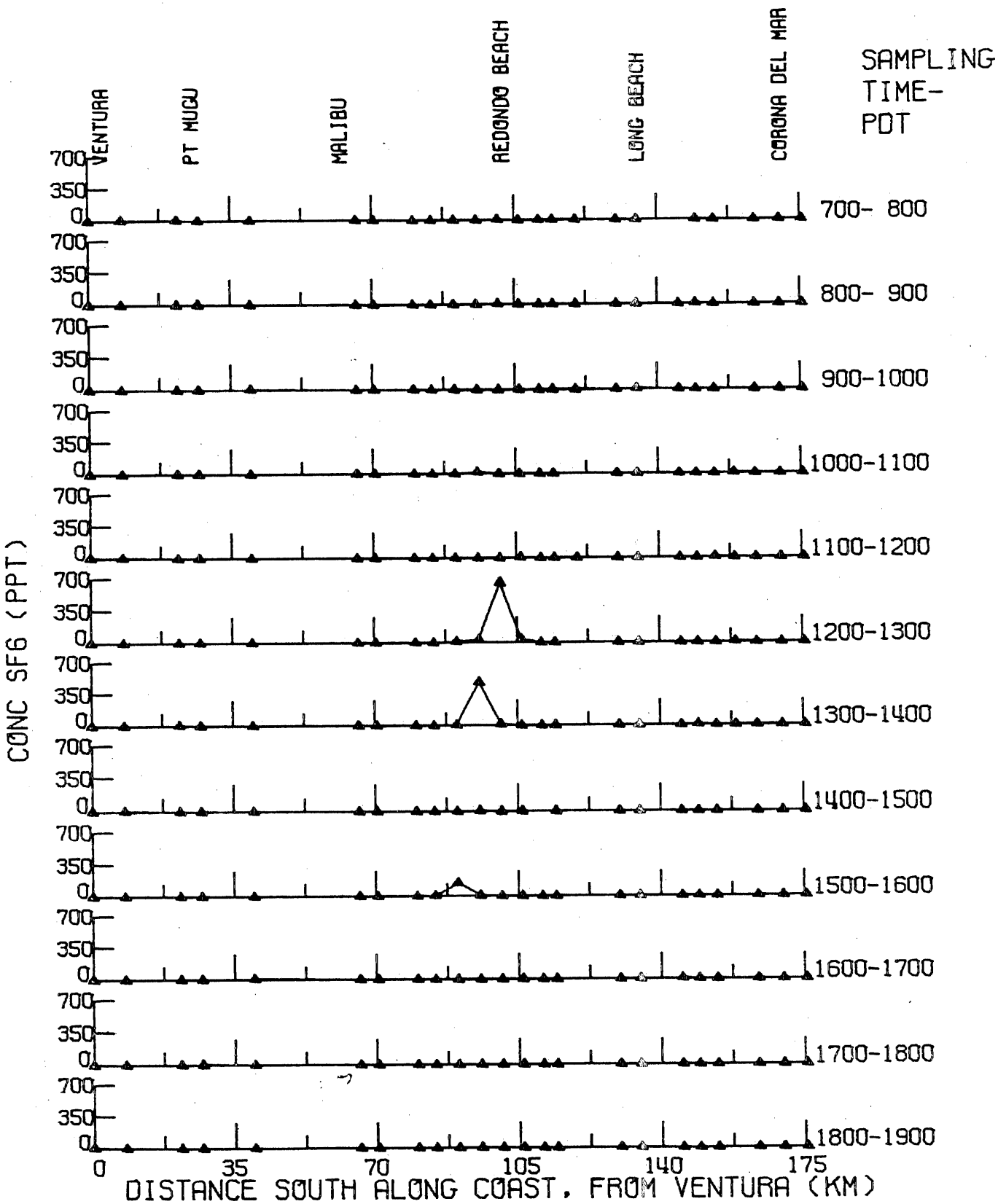
Appendix F1

Hourly Averaged Tracer Data for Fixed Sites

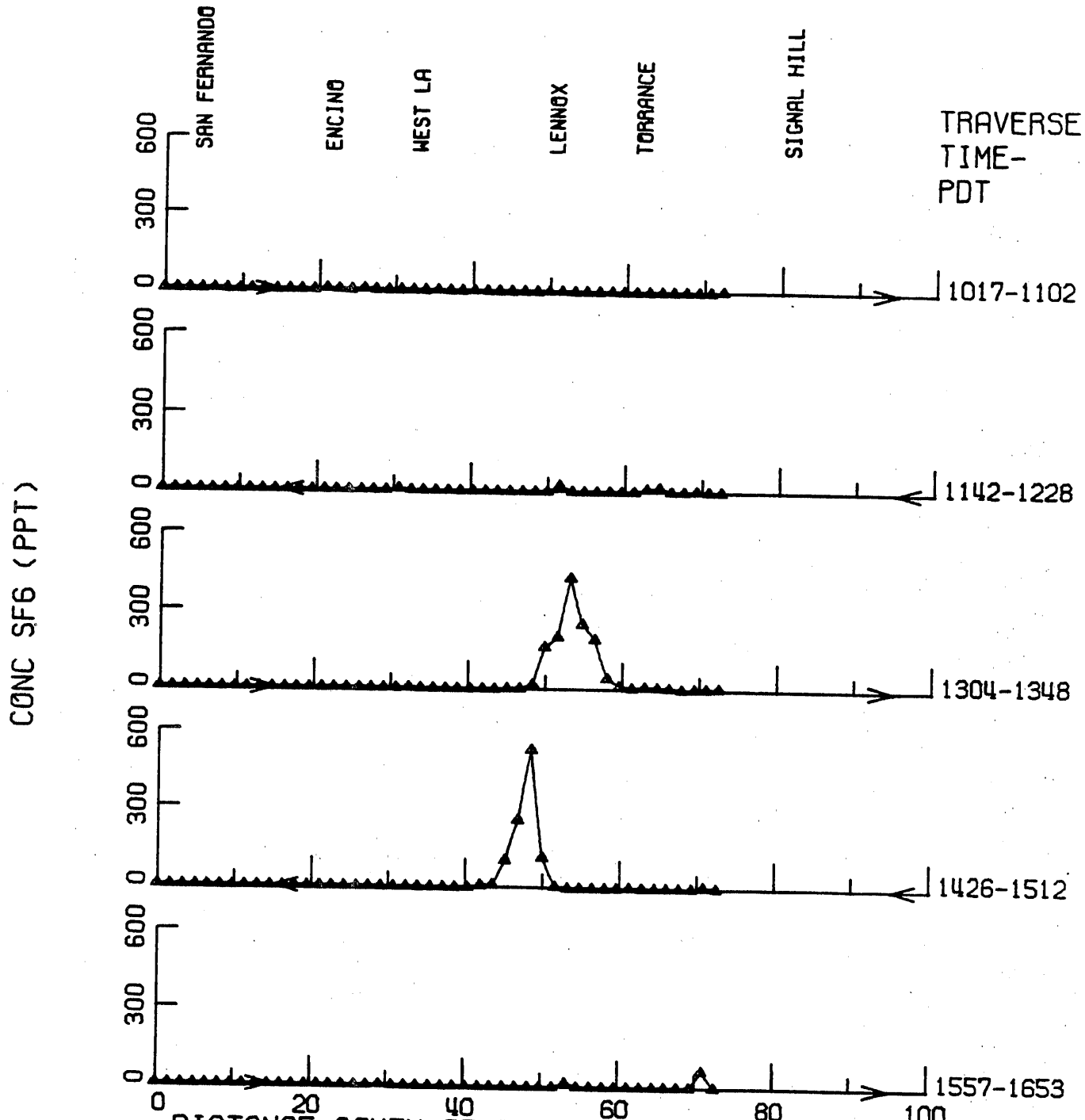
for

Test No. 6

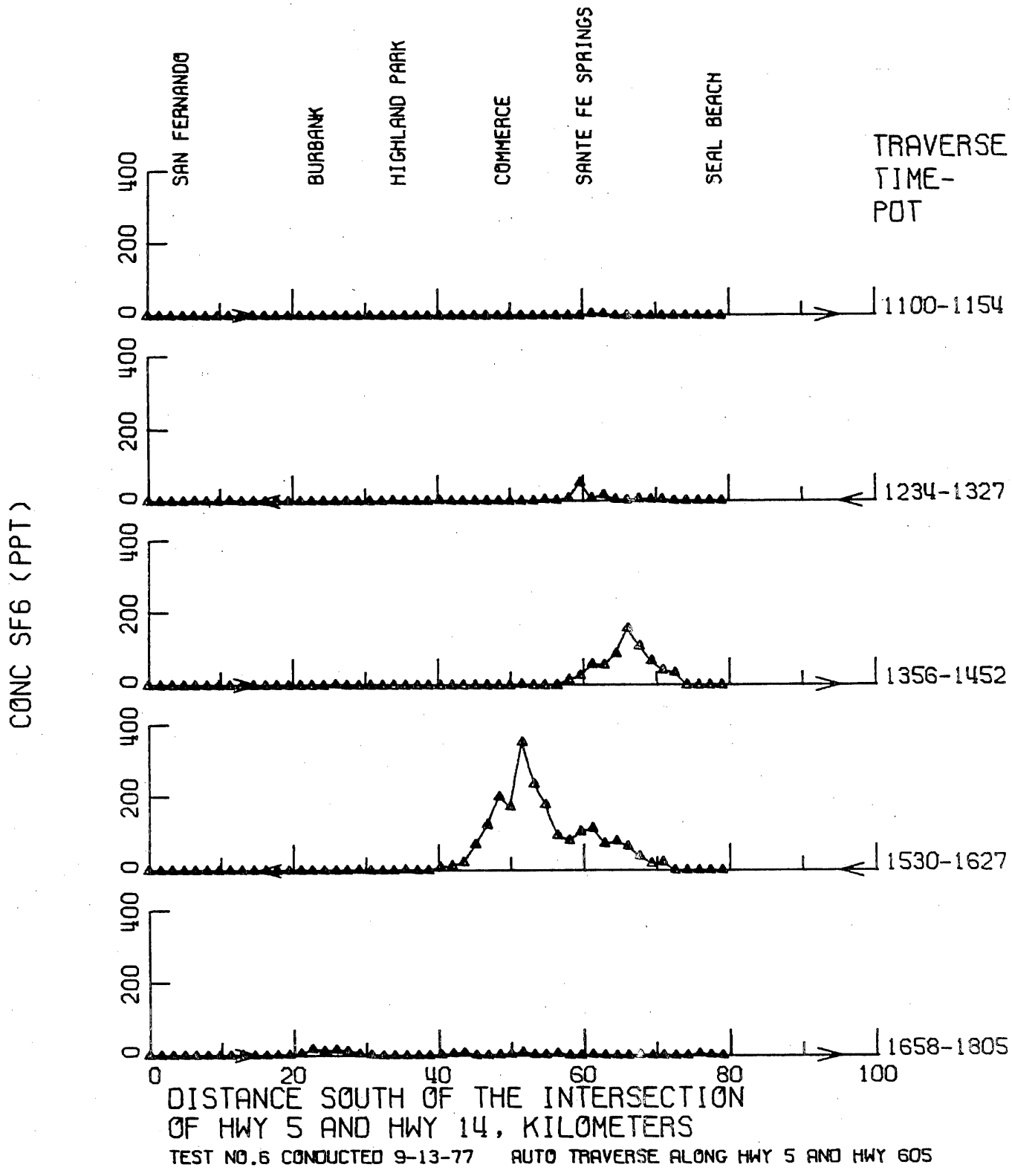
Conducted Starting September 13, 1977

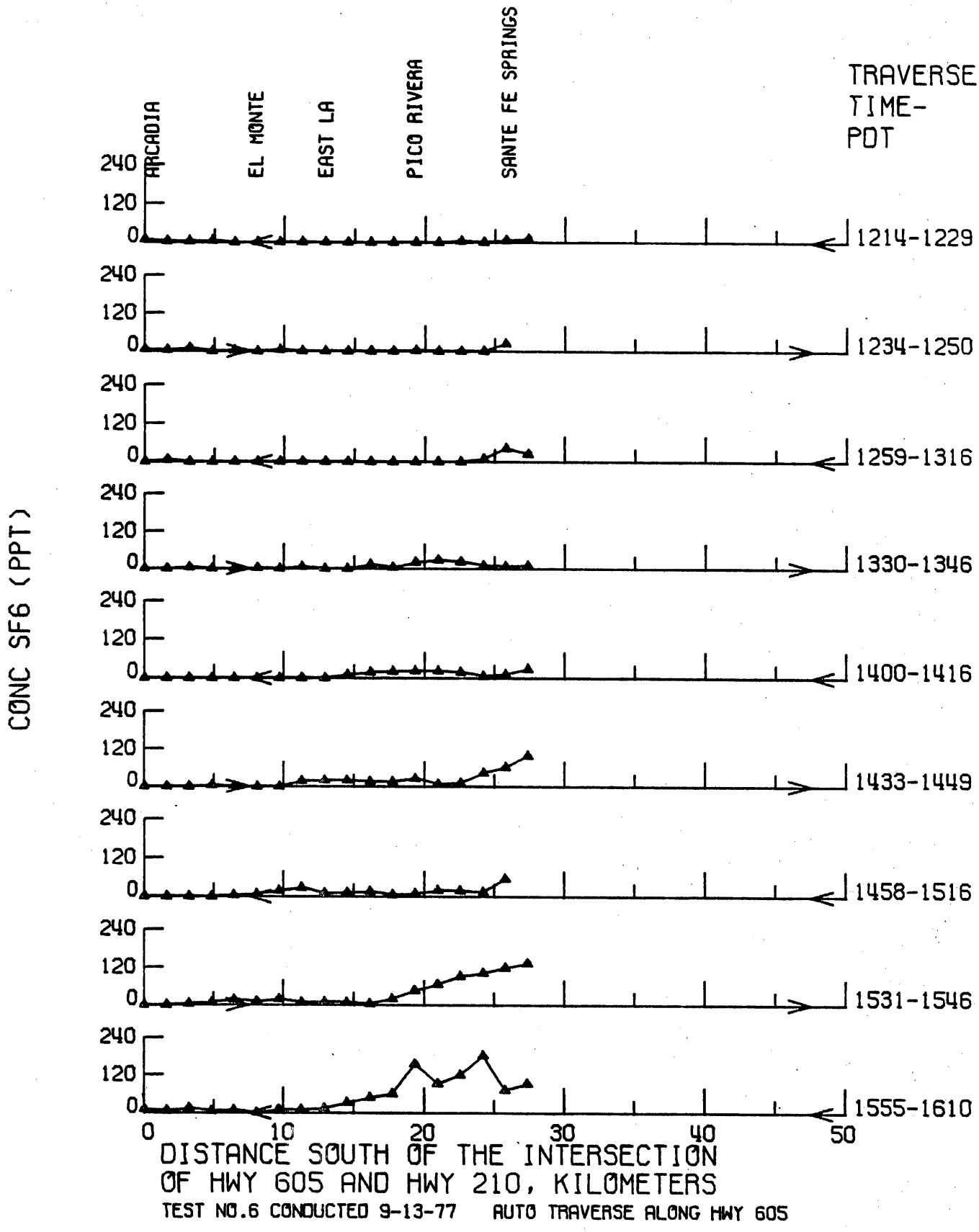


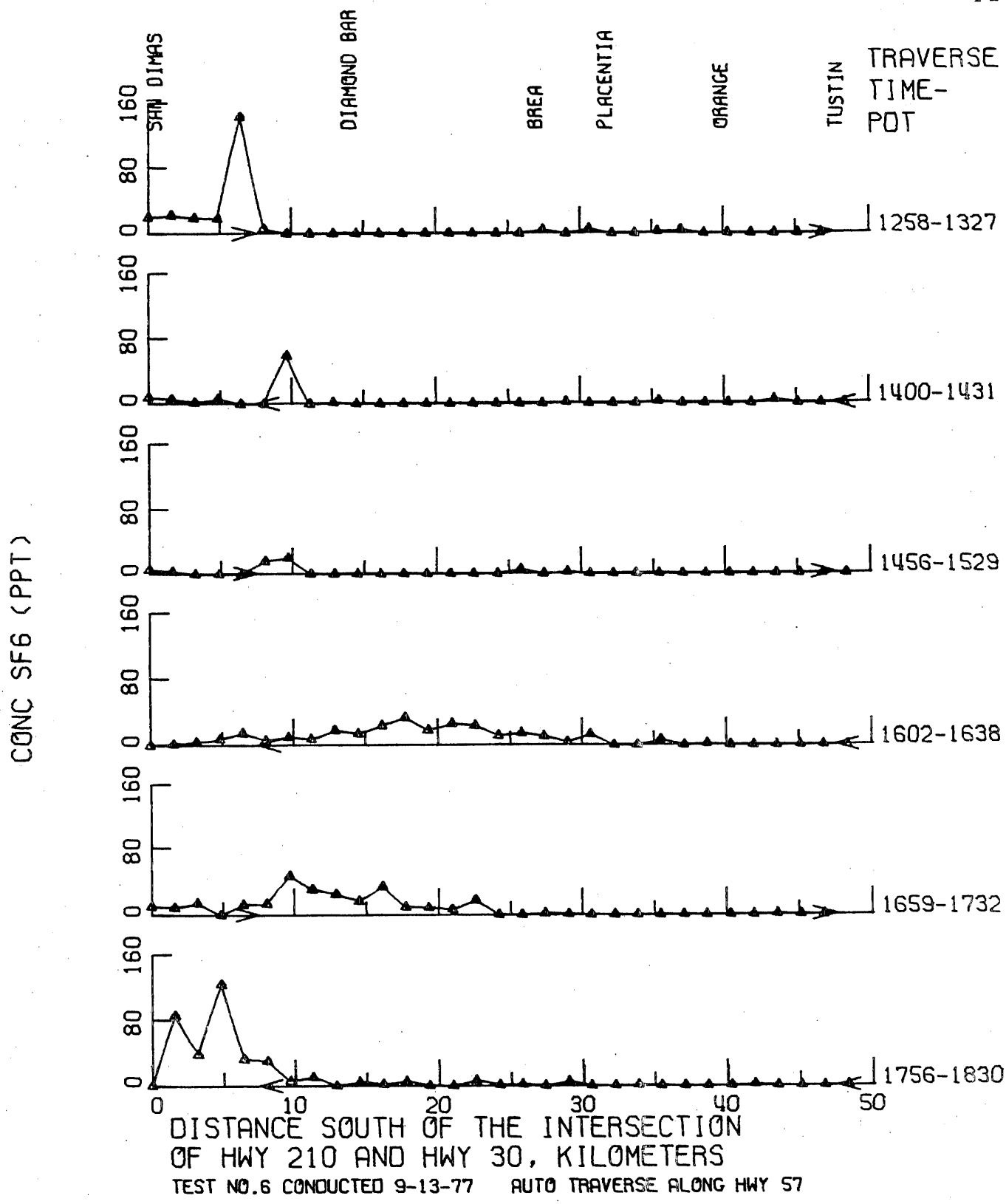
TEST NO. 6 CONDUCTED ON 9-13-77
HOURLY AVERAGED SAMPLES
SF6 RELEASED FROM R/V GOLDEN WEST

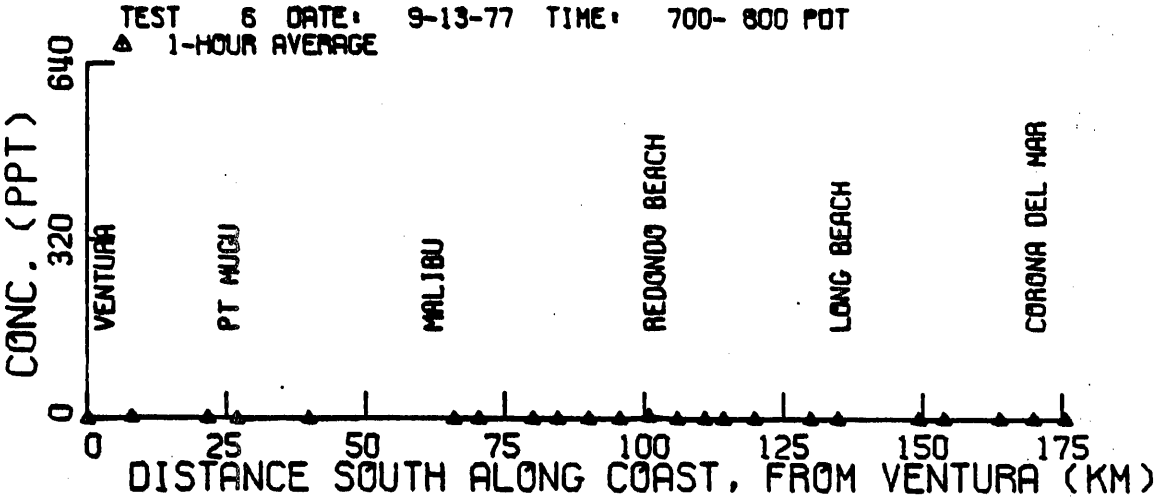


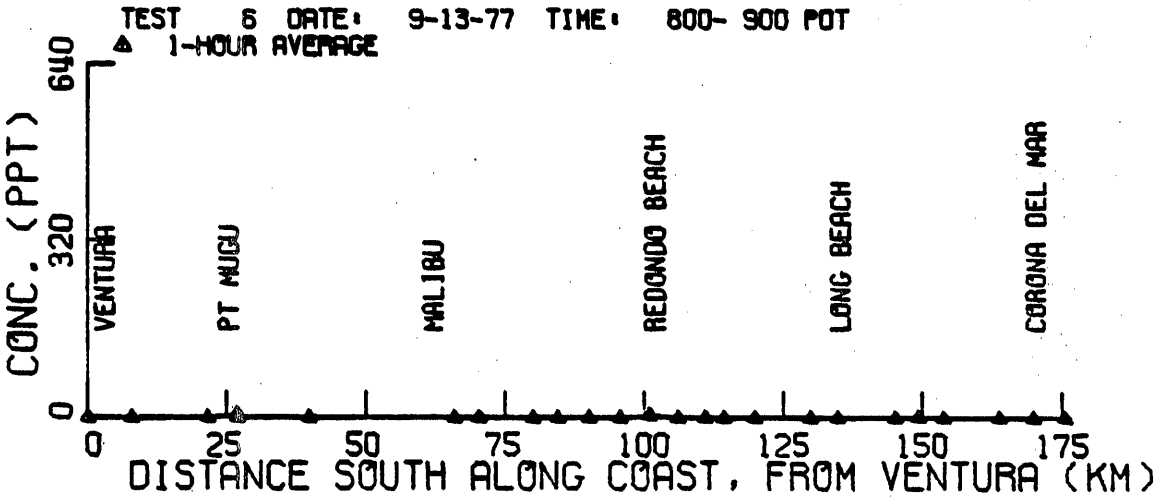
TEST NO.6 CONDUCTED 9-13-77 AUTO TRAVERSE ALONG HIGHWAY 405
SF6 RELEASED FROM R/V GOLDEN WEST

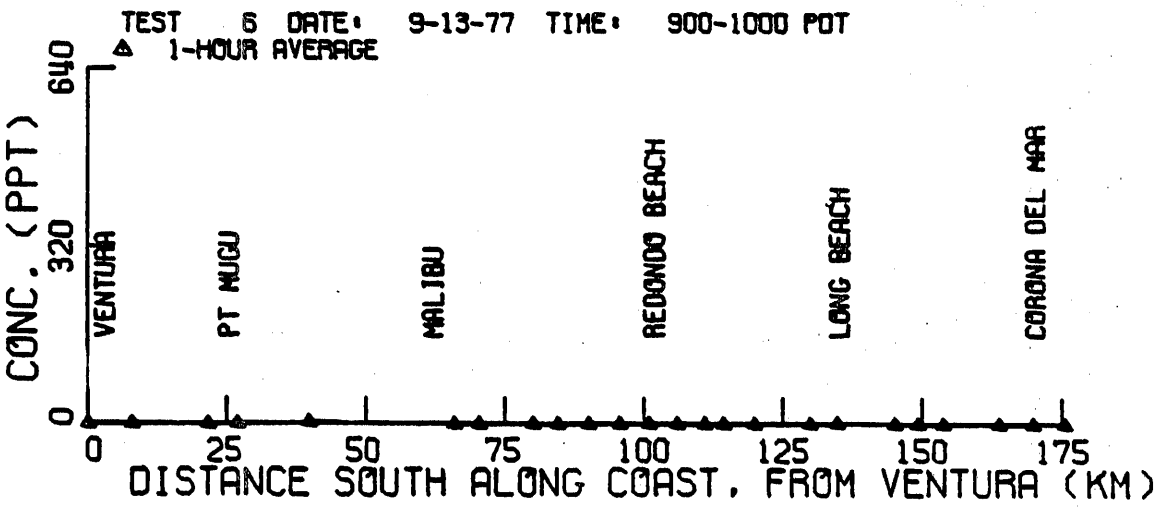

SAN FERNANDO
BURBANK
HIGHLAND PARK
COMMERCE
SANTE FE SPRINGS
SEAL BEACH
TRAVERSE TIME-POT
1100-1154
1234-1327
1356-1452
1530-1627
1658-1805
CONC SF6 (PPT)
0
200
400
0
20
40
60
80
100
DISTANCE SOUTH OF THE INTERSECTION OF HWY 5 AND HWY 14, KILOMETERS
TEST NO.6 CONDUCTED 9-13-77 AUTO TRAVERSE ALONG HWY 5 AND HWY 605

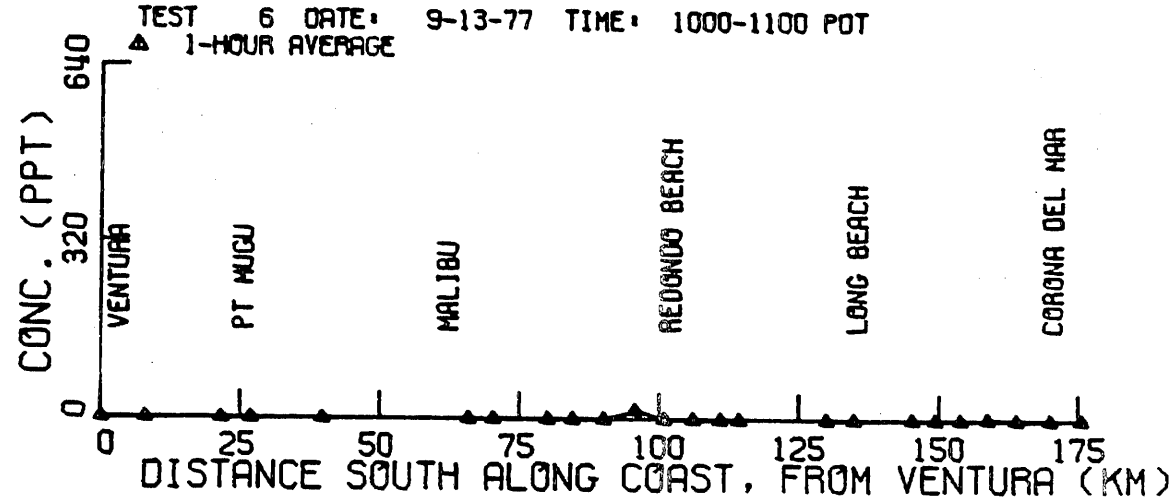

ARCADIA
EL MONTE
EAST LA
PICO RIVERA
SANTE FE SPRINGS
TRAVERSE TIME-PDT
240
120
0
1214-1229
1234-1250
1259-1316
1330-1346
1400-1416
1433-1449
1458-1516
1531-1546
1555-1610
CONC SF6 (PPT)
0
10
20
30
40
50
DISTANCE SOUTH OF THE INTERSECTION OF HWY 605 AND HWY 210, KILOMETERS
TEST NO.6 CONDUCTED 9-13-77 AUTO TRAVERSE ALONG HWY 605

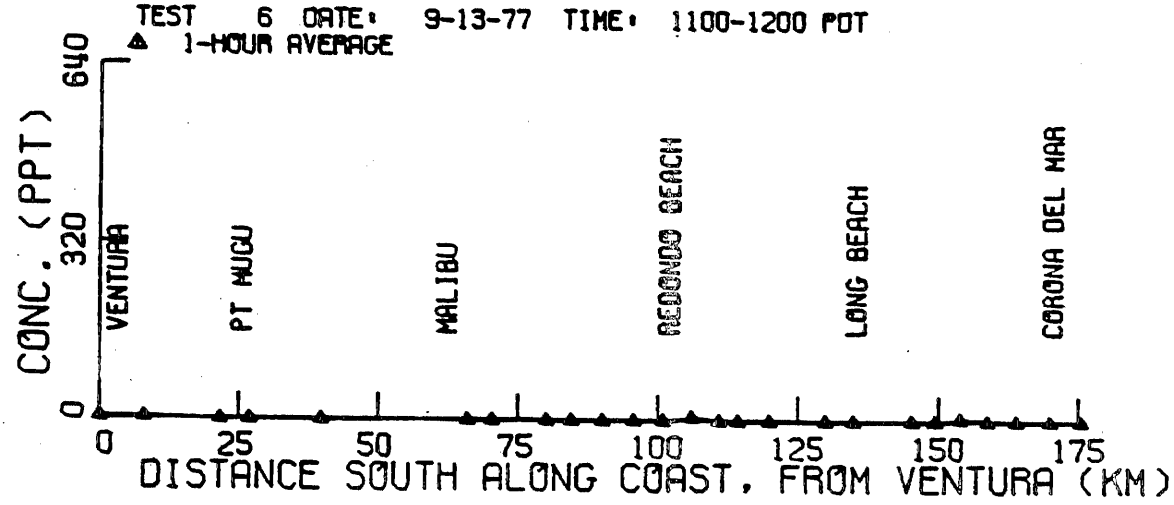

SAN DIMAS
DIAMOND BAR
BREA
PLACENTIA
ORANGE
TUSTIN
TRAVERSE TIME-POT
1258-1327
1400-1431
1456-1529
1602-1638
1659-1732
1756-1830
CONC SF6 (PPT)
0
80
160
0
10
20
30
40
50
DISTANCE SOUTH OF THE INTERSECTION OF HWY 210 AND HWY 30, KILOMETERS
TEST NO.6 CONDUCTED 9-13-77 AUTO TRAVERSE ALONG HWY 57

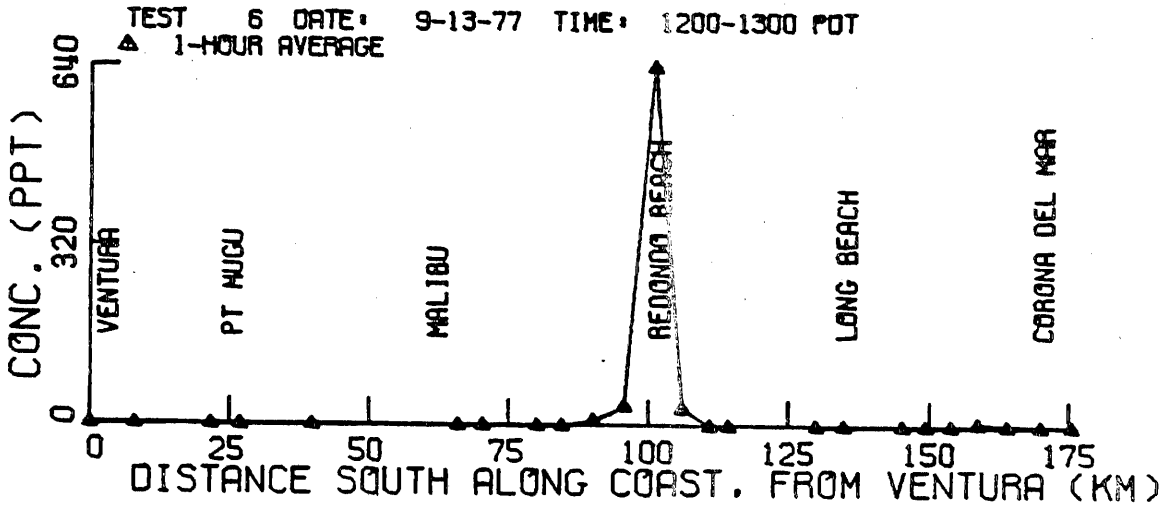

TEST 6 DATE: 9-13-77 TIME: 700- 800 PDT
▲ 1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

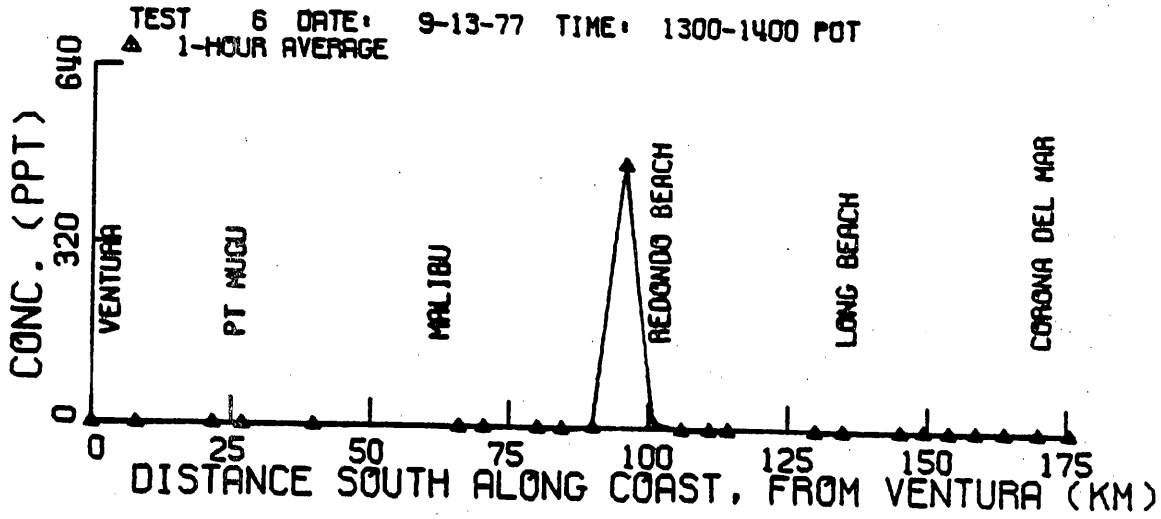

TEST 6 DATE: 9-13-77 TIME: 800- 900 PDT
▲ 1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

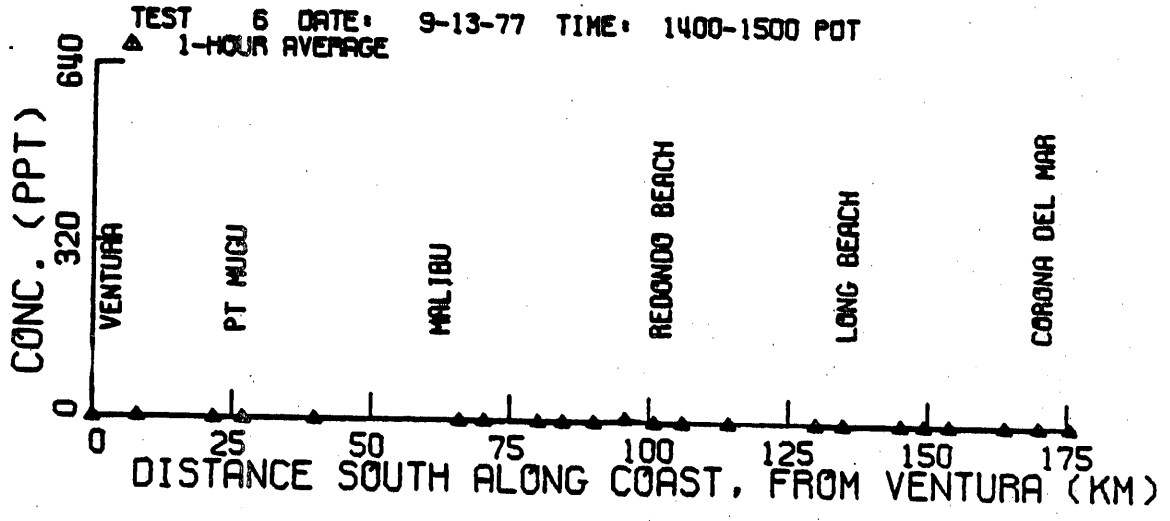

TEST 6 DATE: 9-13-77 TIME: 900-1000 PDT
▲ 1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

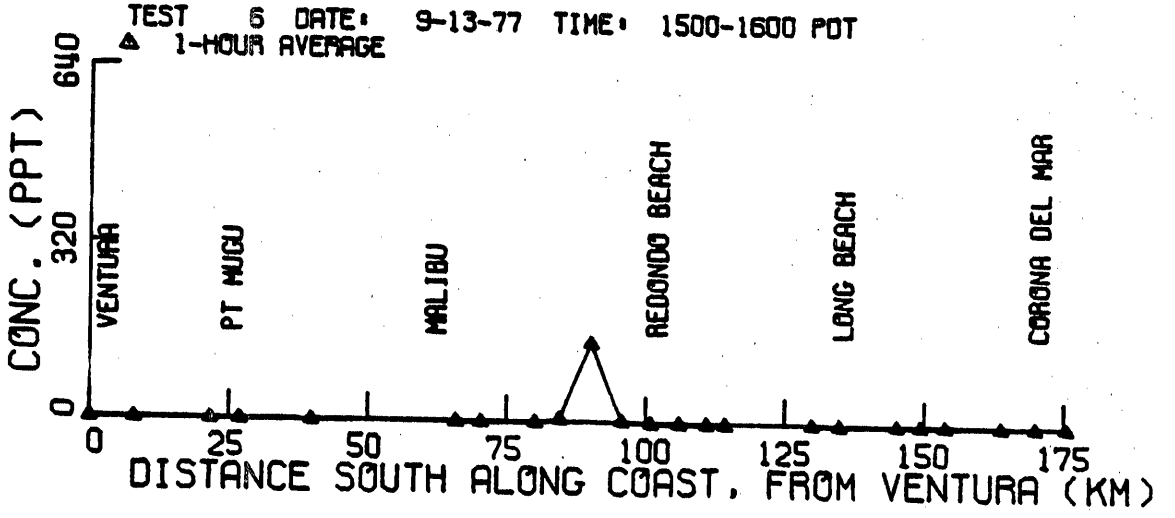

TEST 6 DATE: 9-13-77 TIME: 1000-1100 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT HUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

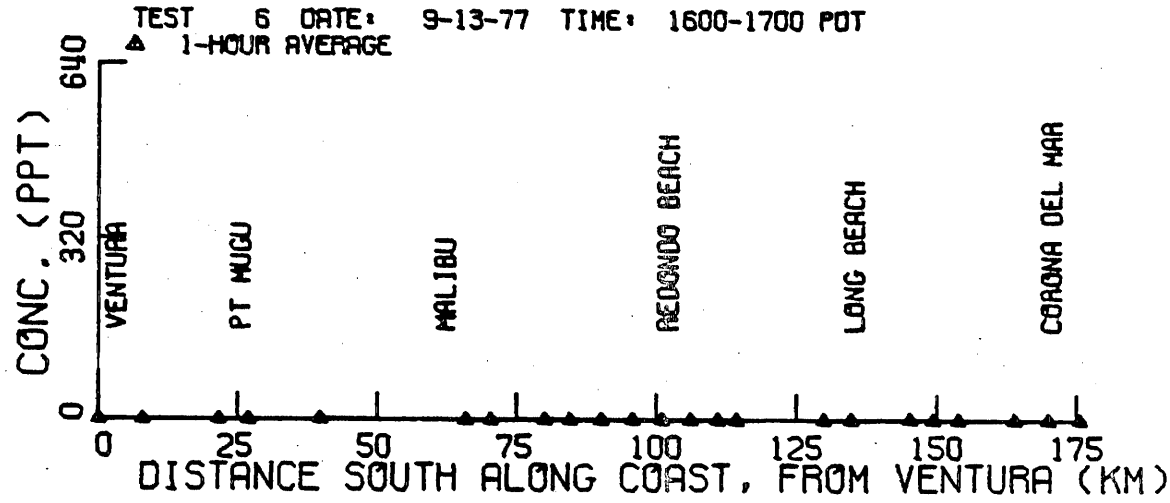

TEST 6 DATE: 9-13-77 TIME: 1100-1200 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT HUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

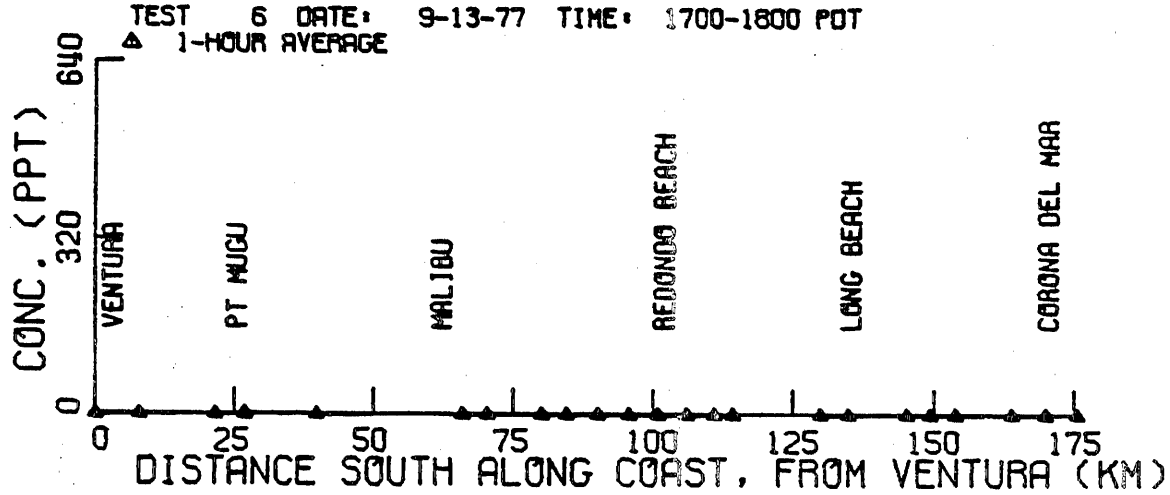

TEST 6 DATE: 9-13-77 TIME: 1200-1300 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT HUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

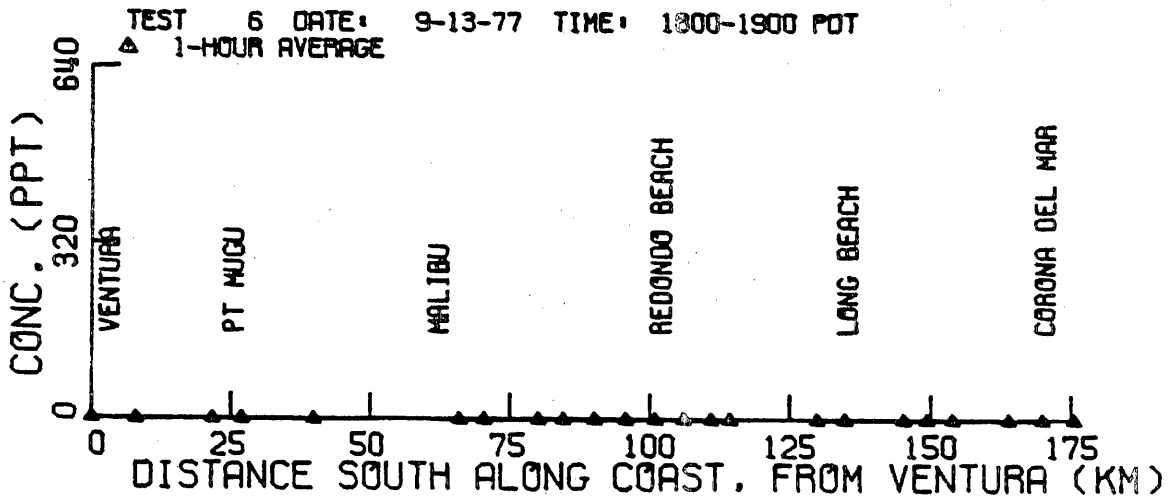

TEST 6 DATE: 9-13-77 TIME: 1300-1400 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

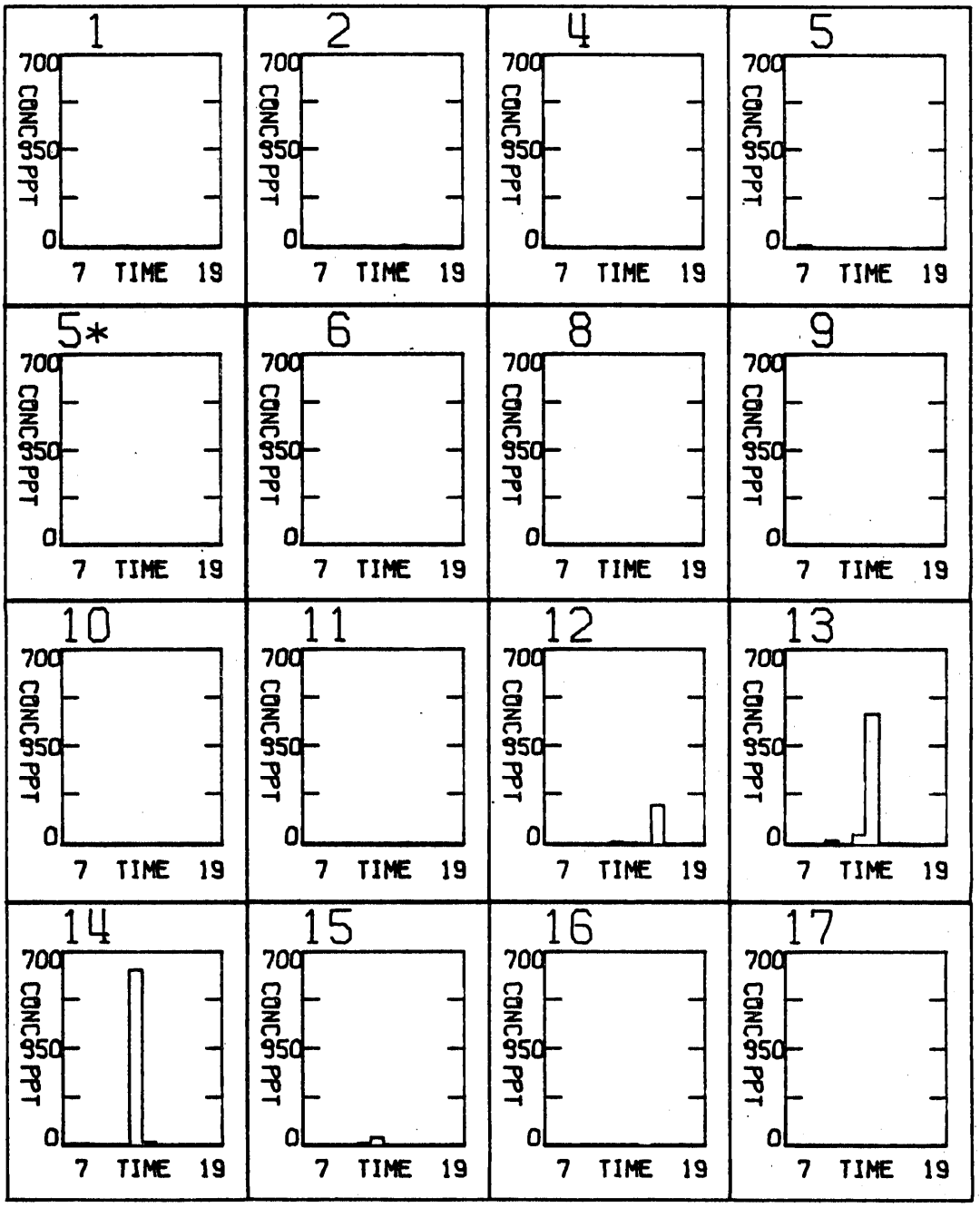

TEST 6 DATE: 9-13-77 TIME: 1400-1500 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)


TEST 6 DATE: 9-13-77 TIME: 1500-1600 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)


TEST 6 DATE: 9-13-77 TIME: 1600-1700 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)

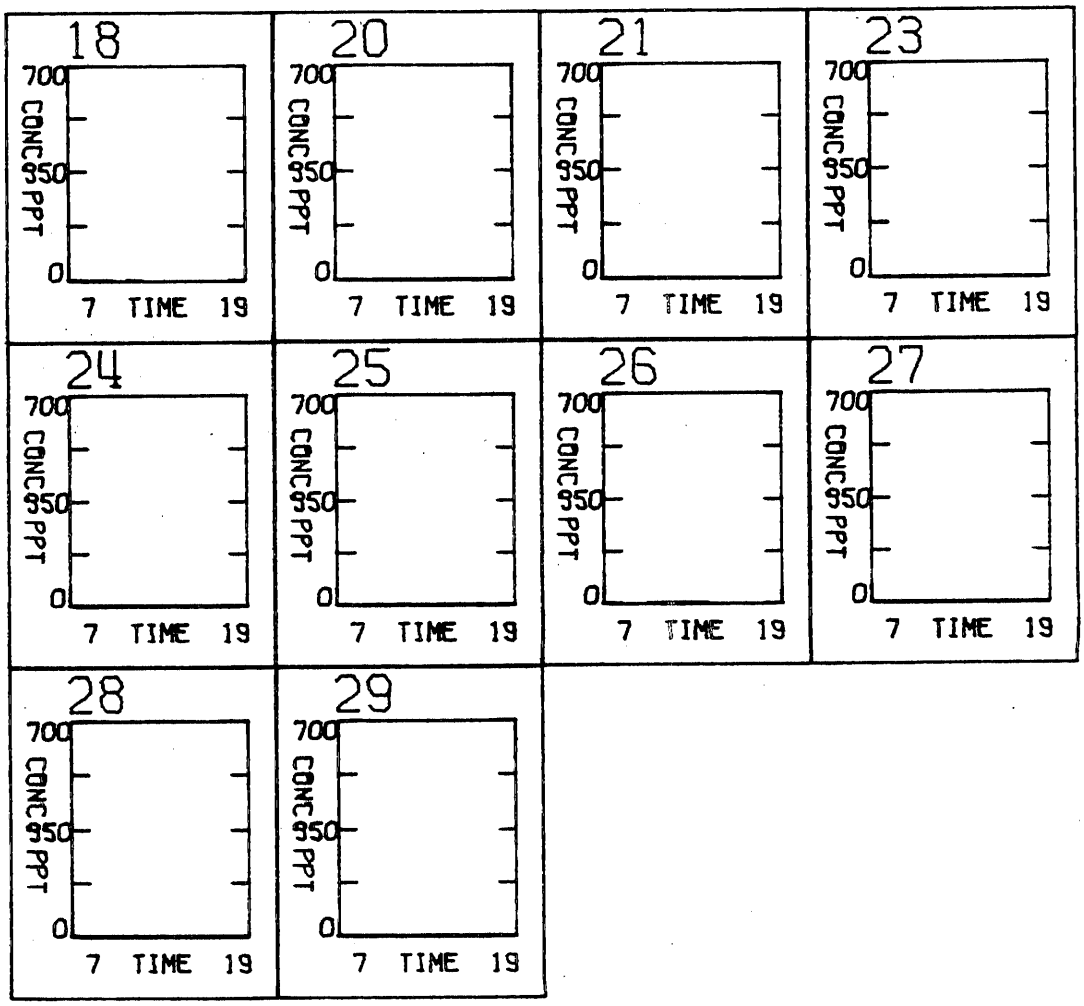

TEST 6 DATE: 9-13-77 TIME: 1700-1800 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)


TEST 6 DATE: 9-13-77 TIME: 1800-1900 PDT
1-HOUR AVERAGE
CONC. (PPT)
640
320
0
VENTURA
PT MUGU
MALIBU
REDONDO BEACH
LONG BEACH
CORONA DEL MAR
0
25
50
75
100
125
150
175
DISTANCE SOUTH ALONG COAST, FROM VENTURA (KM)



* INDICATES ELEVATED SITE, LAGUNA PEAK

TEST 6



TEST 6

TABLE 3

ONE-HOUR AVERACED TRACER CONCENTRATION (PPT)

LCS ANGELES TEST NC. 6 SF6 TRACER

HCUR OF DAY-PACIFIC DAYLIGHT TIME 9-13-77

STATION NUMBER	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
1	0	0	0	0	2	0	0	0	0	0	0	1
2	2	0	0	0	2	0	0	1	0	0	0	0
4	1	0	0	0	0	0	1	0	0	0	0	0
5	****	6	0	0	0	0	0	0	0	0	0	0
5*	0	0	0	0	0	0	0	0	0	0	1	0
6	0	0	2	0	0	0	0	0	0	1	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	5	0	0	0
12	0	0	0	0	0	9	3	0	142	0	0	0
13	0	0	0	16	0	35	470	5	3	0	0	0
14	4	4	0	0	0	638	11	0	0	0	0	0
15	0	0	0	0	6	30	0	0	0	0	0	0

**** INDICATES UNAVAILABLE OR FAULTY DATA

* INDICATES ELEVATED SITE, LAGUNA PEAK

TABLE 3 (CONT.)

ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)

LOS ANGELES TEST NO. 6 SF6 TRACER

HOUR OF DAY-PACIFIC DAYLIGHT TIME 9-13-77

STATION NUMBER	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
16	0	0	0	0	0	0	0	****	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	****	0	****	****	****	****	****	****	****
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	0	0	0	0	0	0	0	0	0
23	****	0	0	0	0	0	0	0	0	1	0	0
24	0	1	0	0	0	0	1	0	0	0	0	0
25	0	0	0	0	4	0	0	0	0	0	0	0
26	****	****	****	1	0	4	0	****	****	****	****	****
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0

**** INDICATES UNAVAILABLE OR FAULTY DATA

* INDICATES ELEVATED SITE, LAGUNA PEAK

Appendix F2

Auto Traverse Tracer Data

for

Test No. 6

Conducted Starting Steptember 13, 1977

Test: Land Breeze - Sea Breeze, Test 6

Conducted: September 13-14, 1977

Release Location: Offshore from R/V Golden West

Release Rate: 117 pounds SF_6 per hour (14.8 grams per second)

Release Time: 0900-1400 PDT - September 13, 1977

Traverse Number	Day	Start Time	End Time	Start Location	End Location	Number of Samples	Route
1	1	1017	1102	5 & 14	405 & 7	46	S on 5, 405
2	1	1100	1154	5 & 14	605 & 405	50	S on 5, 605
3	1	1142	1228	405 & 7	5 & 14	46	N on 405, 5
4	1	1214	1229	5 & 605	210 & 605	18	N on 605
5	1	1234	1250	210 & 605	5 & 605	17	S on 605
6	1	1234	1327	405 & 605	5 & 14	50	N on 605, 5
7	1	1258	1327	57 & Covina Blvd	5 & 55	30	S on 57, 5
8	1	1259	1316	5 & 605	605 & 210	18	N on 605
9	1	1304	1348	5 & 14	405 & 7	46	S on 5, 405
10	1	1330	1346	605 & 210	605 & 5	18	S on 605
11	1	1356	1452	5 & 14	605 & 405	50	S on 5, 605
12	1	1400	1416	605 & 5	605 & 210	18	N on 605
13	1	1400	1431	55 & 5	210 & 30	31	N on 5, 57, 210
14	1	1426	1512	405 & 7	5 & 14	46	N on 405, 5
15	1	1433	1449	605 & 210	605 & 5	18	S on 605
16	1	1456	1529	210 & 30	5 & 55	31	S on 210, 57, 5
17	1	1458	1516	605 & 5	605 & 210	18	N on 605
18	1	1530	1627	605 & 405	5 & 14	50	N on 605, 5
19	1	1531	1546	605 & 210	605 & 5	18	S on 605
20	1	1555	1612	605 & 5	605 & 210	18	N on 605

Test: Land Breeze - Sea Breeze, Test 6

Conducted: September 13-14, 1977

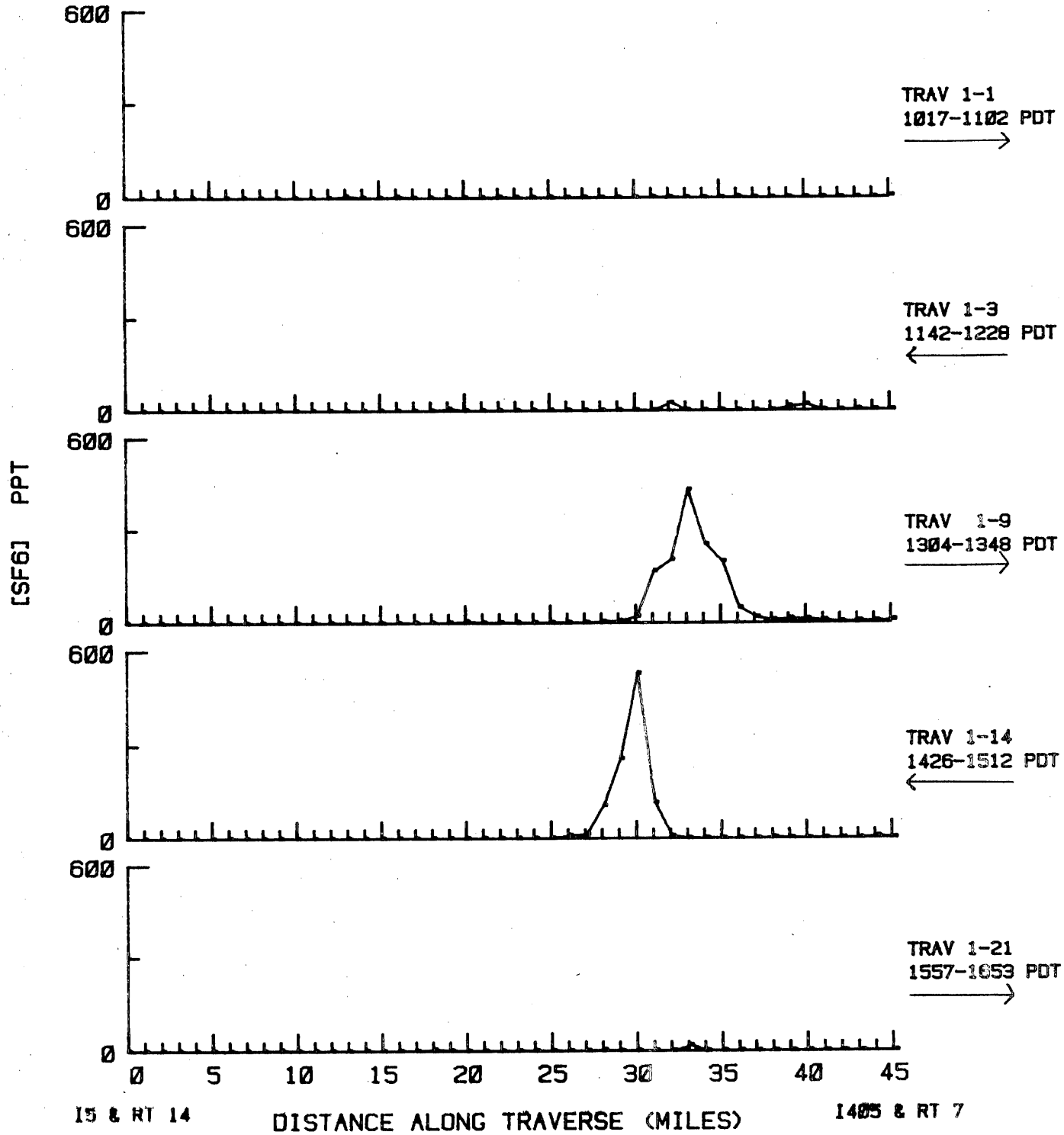
Release Location: Offshore from R/V Golden West

Release Rate: 117 pounds SF_6 per hour (14.8 grams per second)

Release Time: 0900-1400 PDT - September 13, 1977

Traverse Number	Day	Start Time	End Time	Start Location	End Location	Number of Samples	Route
21	1	1557	1653	5 & 14	405 & 7	46	S on 5, 405
22	1	1602	1638	55 & 5	30 & 210	31	N on 5, 57, 210
23	1	1658	1805	5 & 14	605 & 405	50	S on 5, 605
24	1	1659	1732	210 & 30	5 & 55	31	S on 210, 57, 5
25	1	1756	1830	5 & 55	210 & 30	31	N on 5, 57, 210

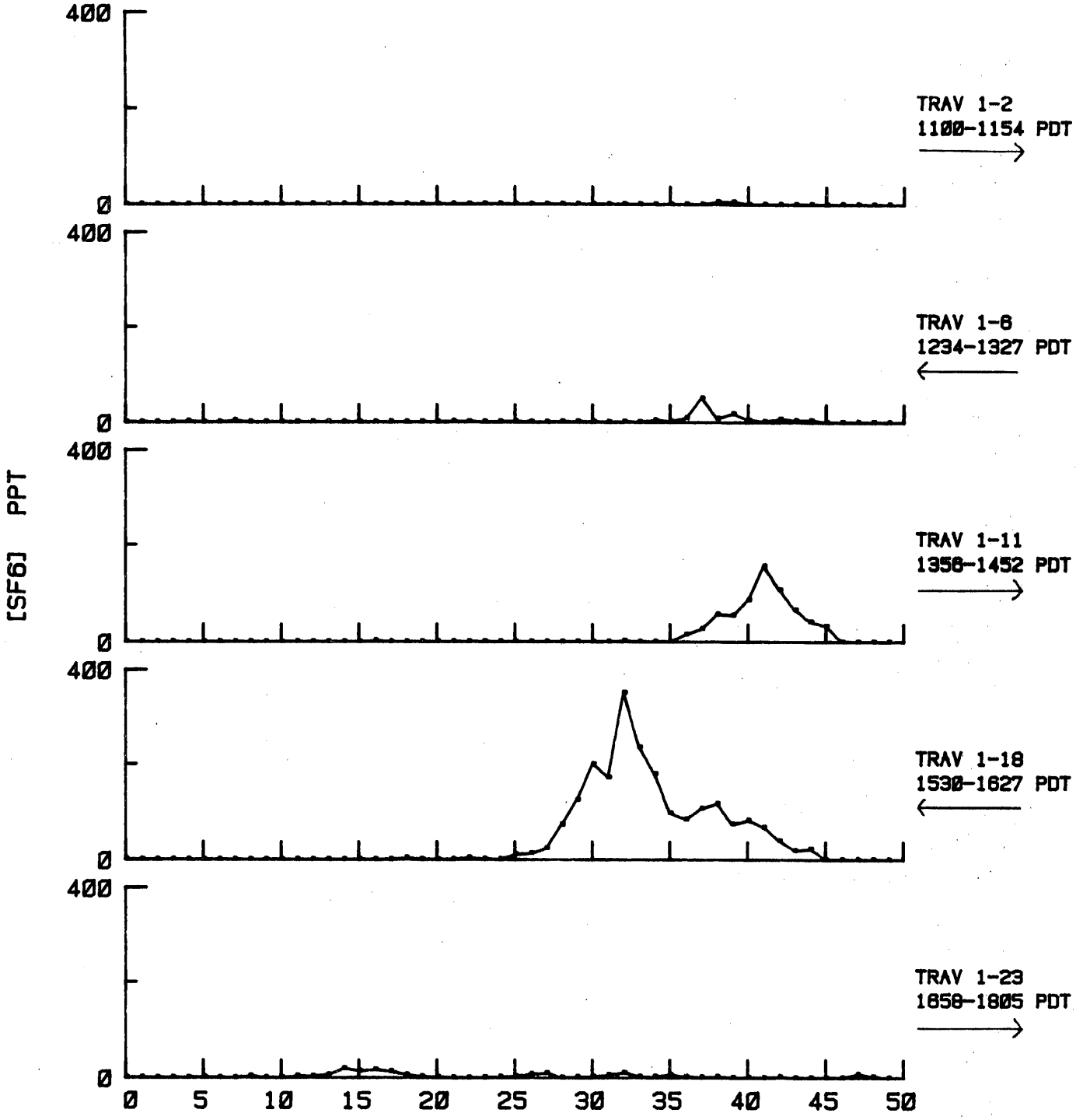
LSB-6 AUTO TRAVERSES ALONG I5 & I405, 9/13/77



RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST-DUE SOUTH OF POINT DUME, DUE WEST OF EL SEGUNDO
RELEASE TIME: 0900-1400 PDT, 9/13/77
——→ INDICATES DIRECTION OF TRAVERSE

TW 2/8/82

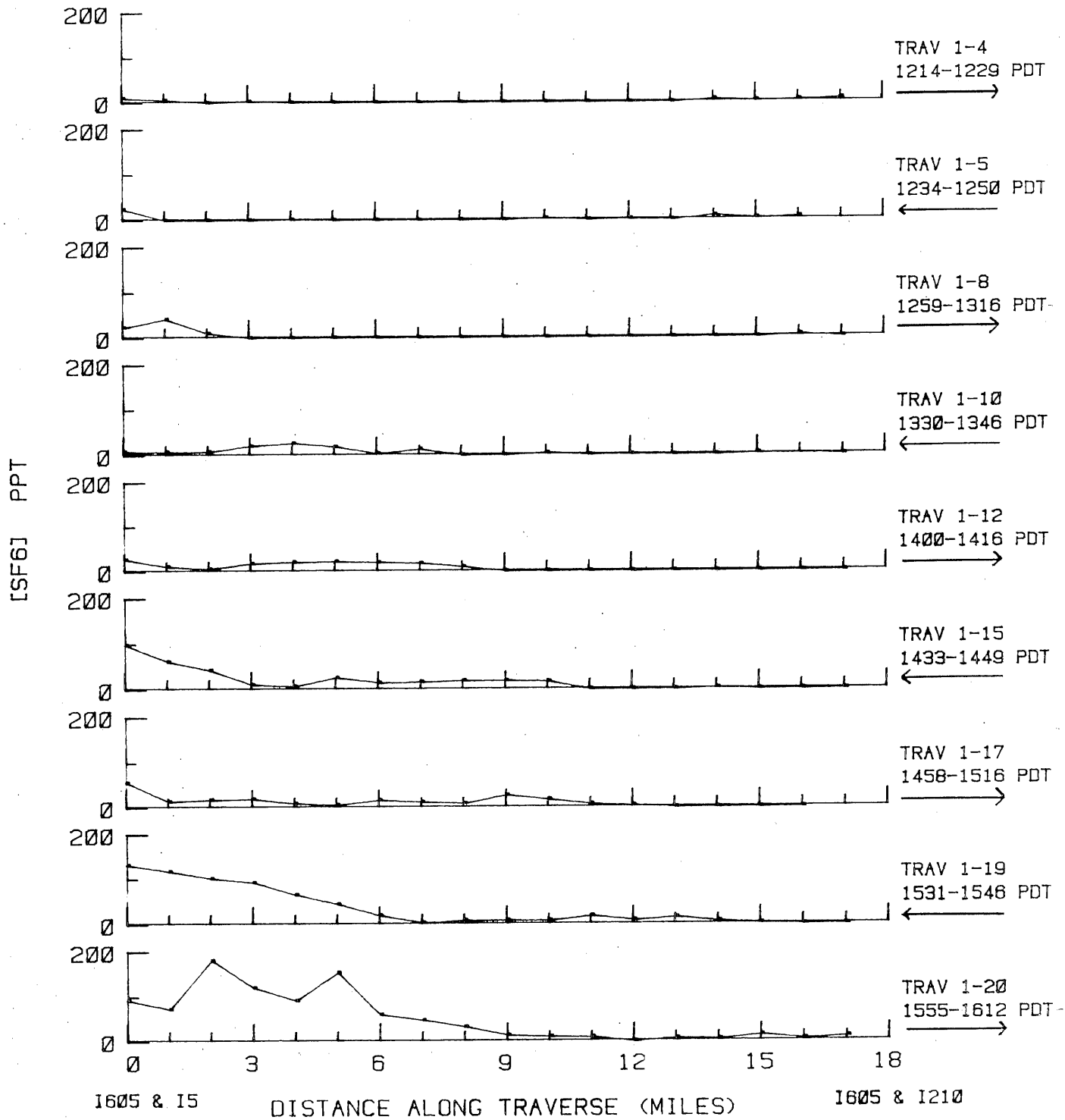
LSB-6 AUTO TRAVERSES ALONG I5 & I605, 9/13/77



RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST-DUE SOUTH OF POINT DUME, DUE WEST OF EL SEGUNDO
RELEASE TIME: 0900-1400 PDT, 9/13/77
⟶ INDICATES DIRECTION OF TRAVERSE

TW 2/8/82

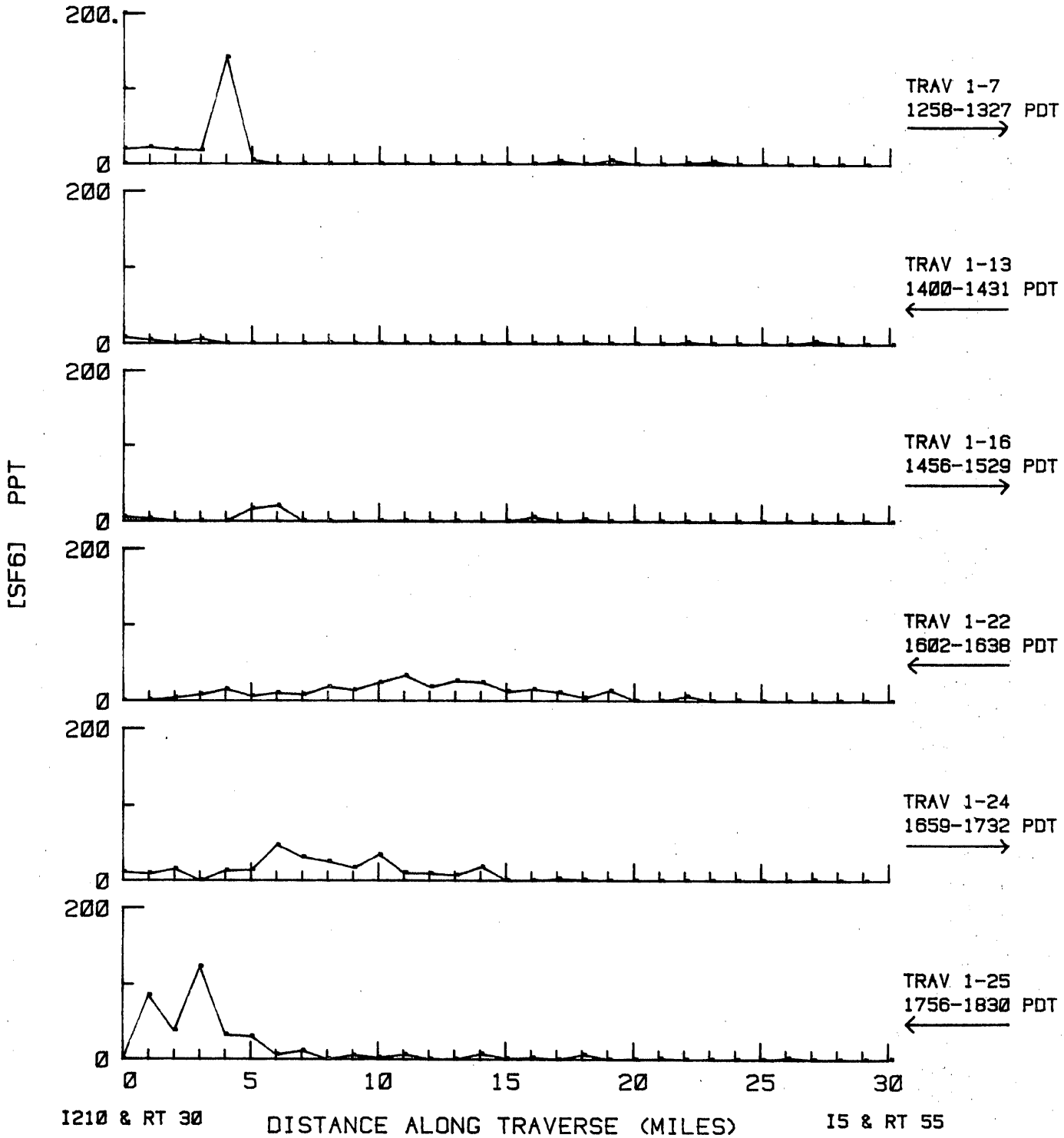
LSB-6 AUTO TRAVERSES ALONG I605, 9/13/77



RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST-DUE SOUTH OF POINT DUME, DUE WEST OF EL SEGUNDO
RELEASE TIME: 0900-1400 PDT, 9/13/77
⟶ INDICATES DIRECTION OF TRAVERSE

TW 2/9/82

LSB-6 AUTO TRAVERSES ALONG I210, RT57, & I5-9/13/77



RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST-DUE SOUTH OF POINT DUME, DUE WEST OF EL SEGUNDO
RELEASE TIME: 0900-1400 PDT, 9/13/77
⟶ INDICATES DIRECTION OF TRAVERSE

LSB-6

1-1

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-1 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

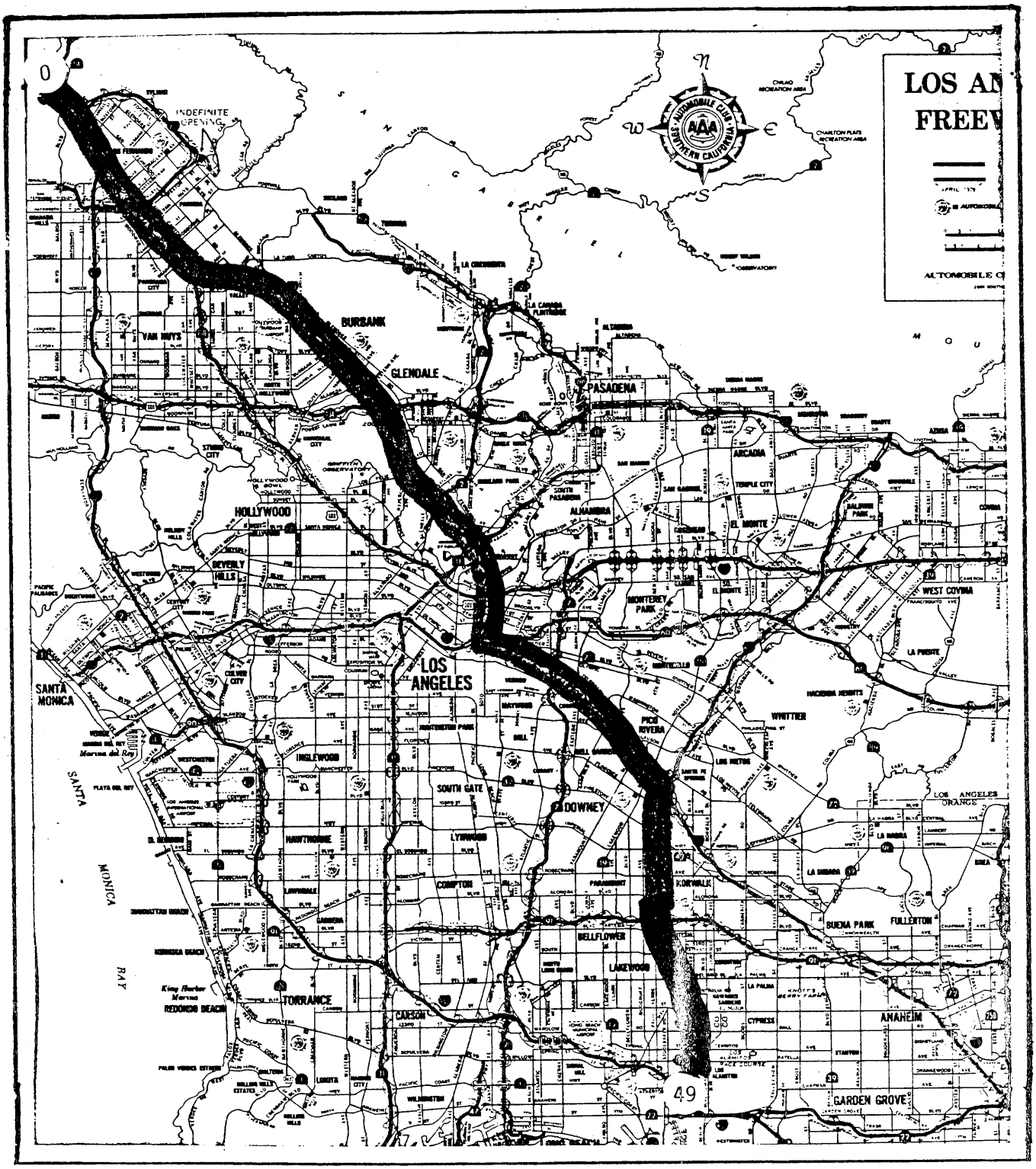
TRAVERSE START: 1017 PDT, 9/13/77 AT 5 & 14
TRAVERSE END: 1102 PDT AT 405 & 7
TRAVERSE ROUTE: S ON 5, 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	1
1	0	26	0
2	0	27	0
3	0	28	0
4	1	29	0
5	0	30	0
6	0	31	2
7	1	32	1
8	0	33	0
9	0	34	0
10	0	35	0
11	0	36	2
12	0	37	0
13	5	38	0
14	1	39	0
15	0	40	0
16	4	41	0
17	0	42	0
18	0	43	0
19	0	44	0
20	0	45	4
21	0		
22	2		
23	0		
24	0		

LSB-6

1-2



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-2 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1100 PDT, 9/13/77 AT 5 & 14
TRAVERSE END: 1154 PDT AT 605 & 405
TRAVERSE ROUTE: S ON 5, 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	0	26	0
2	0	27	0
3	0	28	0
4	0	29	0
5	0	30	0
6	0	31	0
7	0	32	0
8	0	33	0
9	0	34	0
10	0	35	0
11	0	36	0
12	0	37	0
13	0	38	5
14	0	39	5
15	0	40	0
16	0	41	0
17	0	42	0
18	0	43	0
19	0	44	0
20	0	45	0
21	0	46	0
22	0	47	0
23	0	48	0
24	0	49	0

LSB-6

1-3

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-3 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

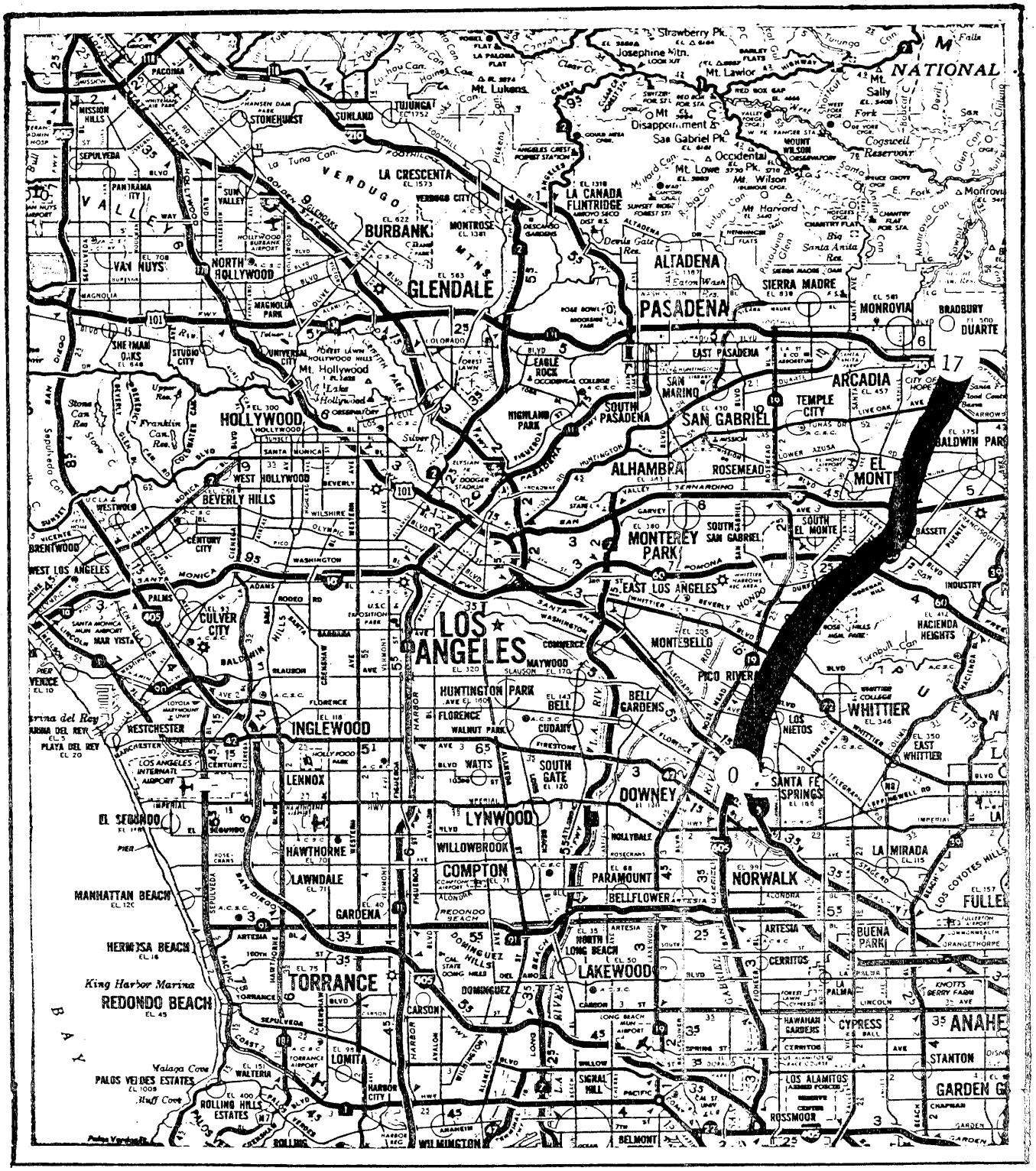
TRAVERSE START: 1142 PDT, 9/13/77 AT 405 & 7
TRAVERSE END: 1228 PDT AT 5 & 14
TRAVERSE ROUTE: N ON 405, 5

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	1	26	6
2	3	27	0
3	0	28	0
4	0	29	0
5	18	30	0
6	12	31	0
7	0	32	0
8	0	33	0
9	0	34	0
10	0	35	0
11	0	36	2
12	0	37	0
13	25	38	0
14	0	39	0
15	0	40	0
16	0	41	0
17	0	42	0
18	0	43	0
19	0	44	0
20	0	45	0
21	0		
22	0		
23	0		
24	0		

LSB-6

1-4



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-4 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

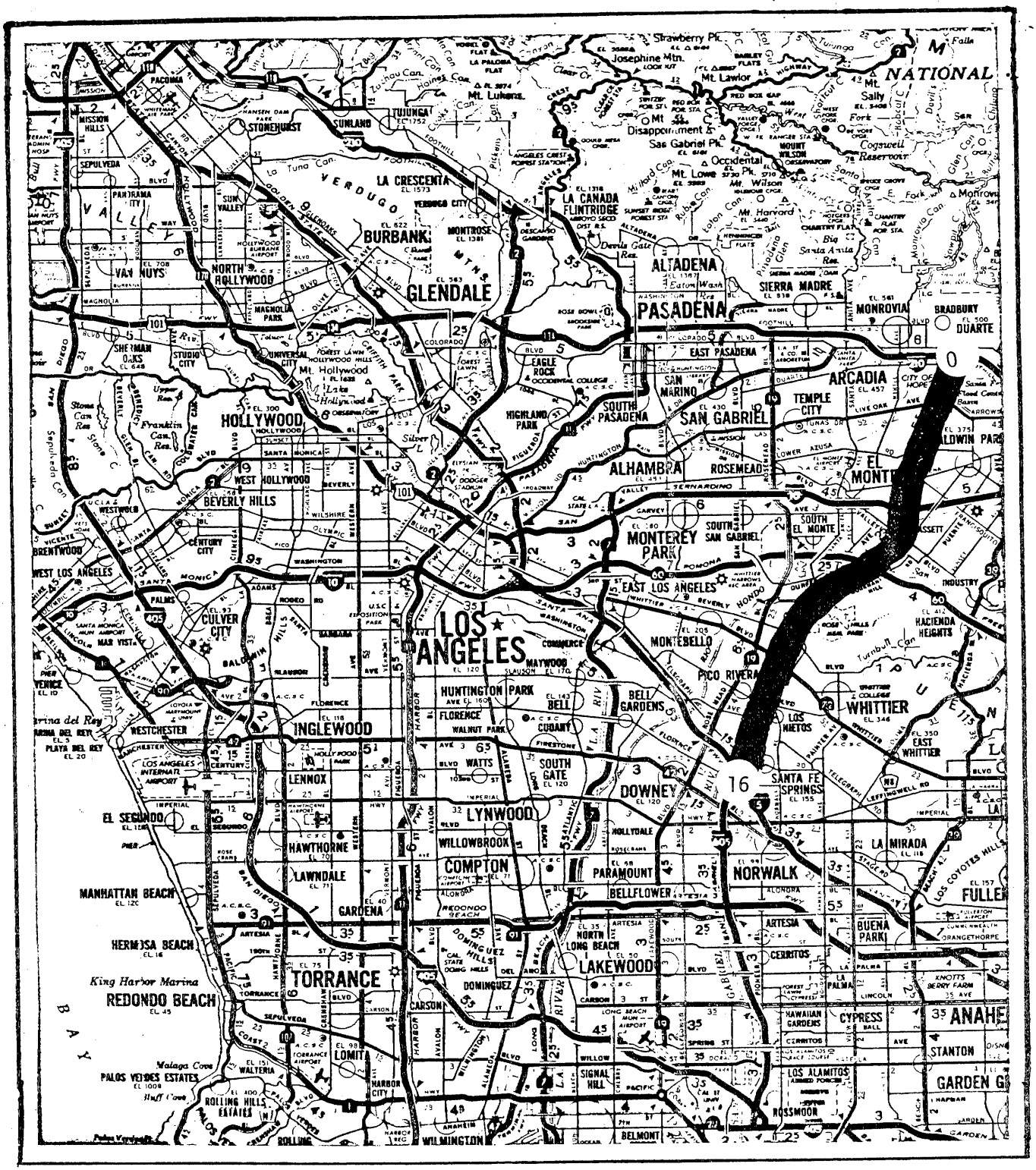
TRAVERSE START: 1214 PDT, 9/13/77 AT 5 & 605
TRAVERSE END: 1229 PDT AT 210 & 605
TRAVERSE ROUTE: N ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	10
1	6
2	0
3	3
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	6
15	3
16	4
17	7

LSB-6

1-5



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-5 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1234 PDT, 9/13/77 AT 210 & 605
TRAVERSE END: 1250 PDT AT 5 & 605
TRAVERSE ROUTE: S ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	6
1	3
2	9
3	0
4	1
5	0
6	3
7	0
8	0
9	0
10	0
11	0
12	1
13	0
14	0
15	0
16	24

LSB-6

1-6

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-6 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1234 PDT, 9/13/77 AT 405 & 605
TRAVERSE END: 1327 PDT AT 5 & 14
TRAVERSE ROUTE: N ON 605, 5

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	1
1	0	26	0
2	0	27	1
3	0	28	2
4	0	29	0
5	4	30	0
6	4	31	0
7	7	32	0
8	2	33	0
9	4	34	0
10	18	35	0
11	8	36	0
12	51	37	0
13	9	38	0
14	2	39	0
15	4	40	0
16	0	41	0
17	1	42	3
18	0	43	0
19	1	44	0
20	1	45	2
21	1	46	0
22	0	47	0
23	0	48	0
24	2	49	0

LSB-6

1-7

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-7 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

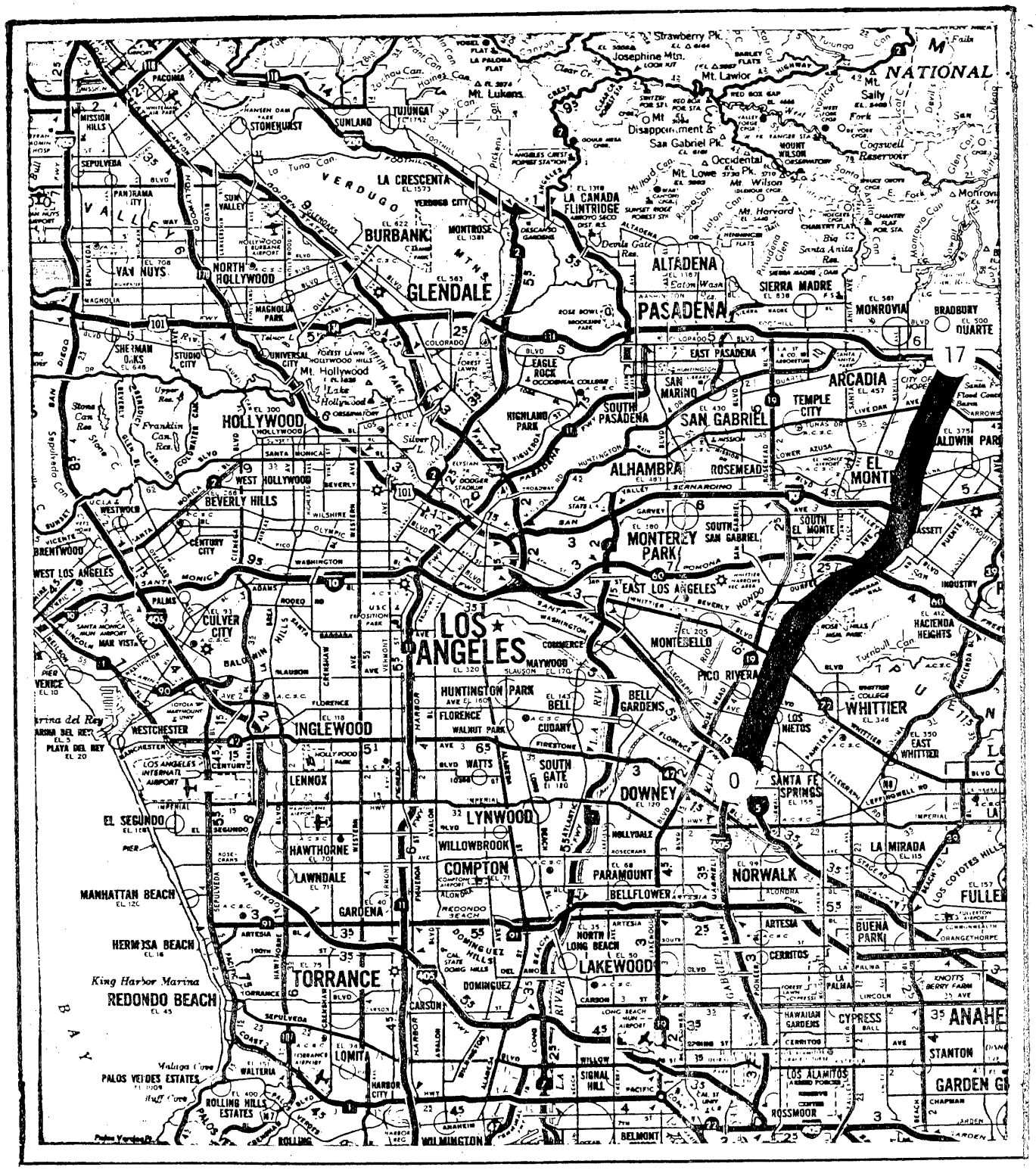
TRAVERSE START: 1258 PDT, 9/13/77 AT 57 & COVINA BLVD
TRAVERSE END: 1327 PDT AT 55 & 5
TRAVERSE ROUTE: S ON 57, 5

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	20	25	0
1	22	26	0
2	19	27	0
3	18	28	0
4	142	29	0
5	5		
6	0		
7	0		
8	0		
9	0		
10	0		
11	0		
12	0		
13	0		
14	0		
15	0		
16	0		
17	4		
18	0		
19	5		
20	0		
21	0		
22	2		
23	4		
24	0		

LSB-6

1-8



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-8 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1259 PDT, 9/13/77 AT 5 & 605
TRAVERSE END: 1316 PDT AT 605 & 210
TRAVERSE ROUTE: N ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	24
1	42
2	10
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	5
17	0

LSB-6

1-9

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-9 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

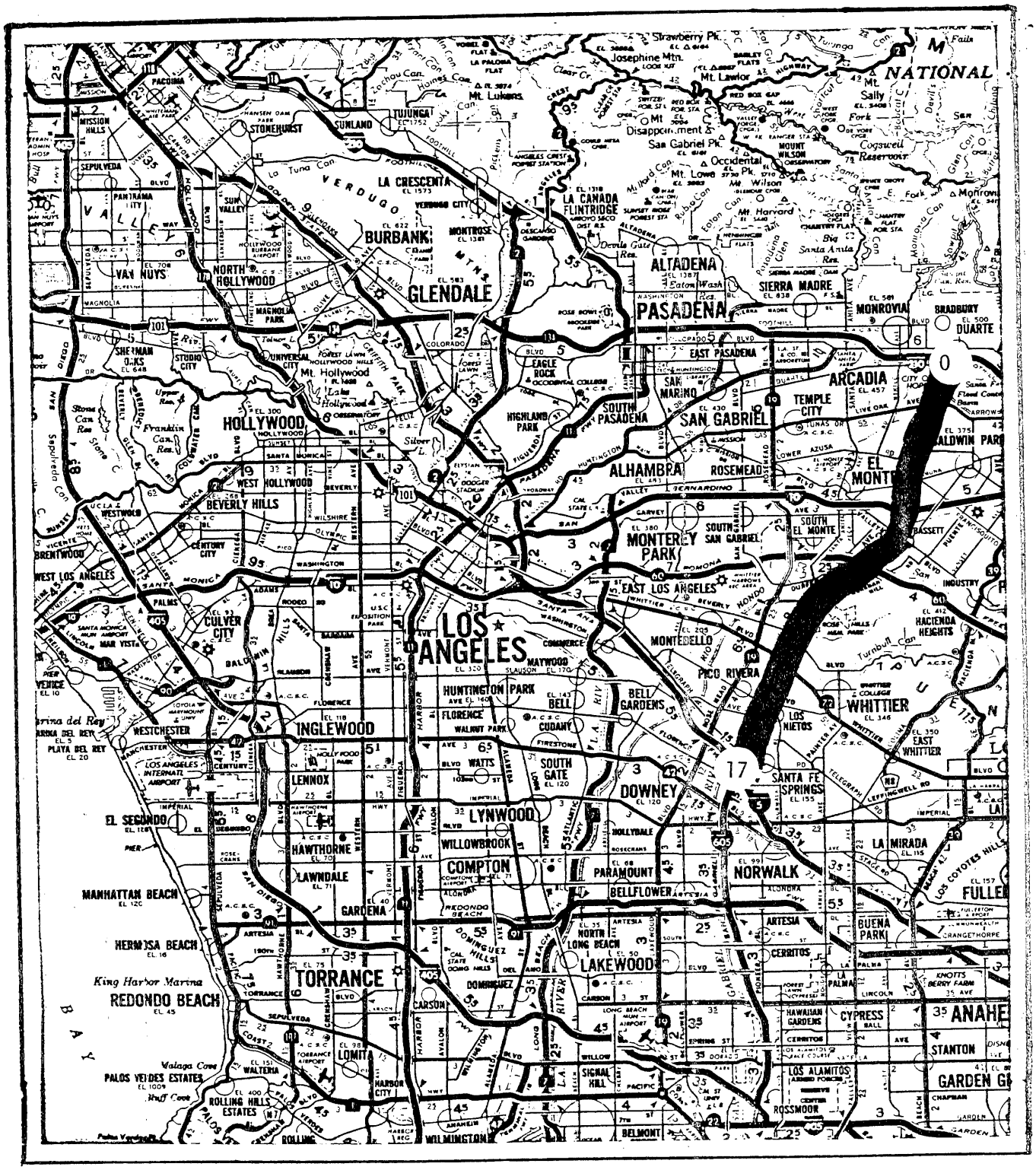
TRAVERSE START: 1304 PDT, 9/13/77 AT 5 & 14
TRAVERSE END: 1348 PDT AT 405 & 7
TRAVERSE ROUTE: S ON 5, 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	0	26	0
2	0	27	0
3	0	28	3
4	0	29	5
5	0	30	20
6	0	31	165
7	0	32	202
8	0	33	430
9	0	34	252
10	0	35	196
11	0	36	46
12	0	37	16
13	0	38	8
14	0	39	12
15	0	40	10
16	0	41	6
17	0	42	2
18	0	43	4
19	0	44	4
20	4	45	7
21	0		
22	0		
23	0		
24	0		

LSB-6

1-10



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-10 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1330 PDT, 9/13/77 AT 605 & 210
TRAVERSE END: 1346 PDT AT 605 & 5
TRAVERSE ROUTE: S ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	0
1	*
2	3
3	0
4	0
5	1
6	0
7	5
8	0
9	0
10	13
11	4
12	19
13	27
14	21
15	9
16	8
17	9

LSB-6

1-11

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-11 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

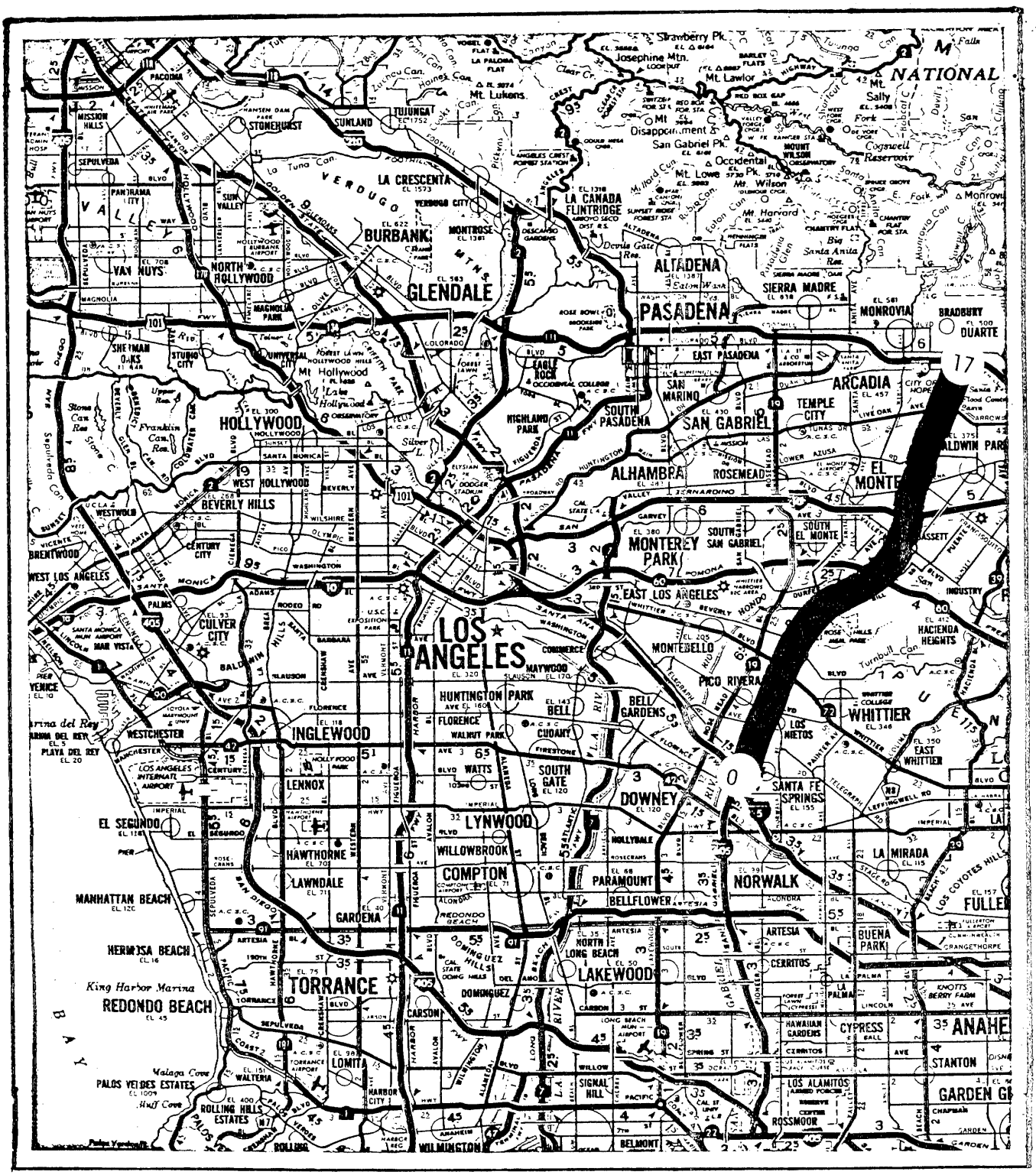
TRAVERSE START: 1356 PDT, 9/13/77 AT 5 & 14
TRAVERSE END: 1452 PDT AT 605 & 405
TRAVERSE ROUTE: S ON 5, 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	0	26	0
2	0	27	0
3	0	28	0
4	0	29	0
5	0	30	0
6	0	31	0
7	0	32	2
8	0	33	0
9	0	34	0
10	0	35	0
11	0	36	15
12	0	37	27
13	0	38	57
14	0	39	55
15	0	40	87
16	2	41	155
17	0	42	107
18	0	43	66
19	0	44	41
20	0	45	33
21	0	46	0
22	0	47	0
23	0	48	0
24	0	49	0

LSB-6

1-12



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-12 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1400 PDT, 9/13/77 AT 605 & 5
TRAVERSE END: 1416 PDT AT 605 & 210
TRAVERSE ROUTE: N ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	27
1	11
2	6
3	18
4	21
5	22
6	20
7	18
8	10
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0

LSB-6

1-13

30
ALHAMBRA
ROSEMEAD
EL MONTE
BALDWIN PARK
COVINA
LA VERNE
MONTEREY PARK
SOUTH EL MONTE
WEST COVINA
LA PUENTE
EAST LOS ANGELES
LOS ANGELES
MAYWOOD
HUNTINGTON PARK
BELL
BELL GARDENS
CUDAHY
MONTEBELLO
PICO RIVERA
WHITTIER
RACIENDA HEIGHTS
WALNUT
DIAMOND BAR
SOUTH GATE
DOWNEY
SANTA FE SPRINGS
LOS NIETOS
EAST WHITTIER
LOS ANGELES CO.
ORANGE CO.
LA HABRA
LYNWOOD
WILLOWBROOK
COMPTON
PARAMOUNT
NORWALK
LA MIRADA
FULLERTON
YORBA LINDA
PLACENTIA
BELLFLOWER
ARTESIA
BUENA PARK
NORTH LONG BEACH
LAKEWOOD
CERRITOS
DOMINGUEZ
CARSON
LA PALMA
ANAHEIM
CYPRESS
HAWAIIAN GARDENS
STANTON
GARDEN GROVE
LOS ALAMITOS
ROSSMOOR
SIGNAL HILL
WILMINGTON
BELMONT SHORE
LONG BEACH
SEAL BEACH
WESTMINSTER
SANTA ANA
EL MODENA
Long Beach Harbor
SAN PEDRO BAY
Anaheim Bay
Los Angeles Harbor
Angels Gate Lighthouse
Huntington Harbour
SUNSET BEACH
BOLSA CHICA STATE BEACH
MIDWAY CITY
FOUNTAIN VALLEY
HUNTINGTON BEACH
COSTA MESA
IRVINE
EAST IRVINE
HUNTINGTON STATE BEACH
NEWPORT BEACH
CORONA DEL MAR
BALBOA
CORONA DEL MAR STATE BEACH
Arch Rock
Upper Bay
Newport Bay
Big Can. Res.
Signal Pk.
Sand Can. Res.
Laguna Res.
Peters Canyon Res.
Lower Peters Can. Res.
Rattlesnake
Burruel Pt.
Anaheim Hill
Walnut
Santiago
Villa Park
Orange
Yorba Linda Mineral Springs
Carbon
Soquel
Sleepy Hollow
Firestone
Arnold Res.
Fullerton Reservoir
Los Coyotes Hills
Turnbull Can.
Tonner Canyon
Sand Canyon
Irvine
Laguna
San Joaquin Hills
Santa Ana
Gabriel River
San Jose Hills
Pomona
Whittier
Harbor
Riv
Freeway
Knotts Berry Farm
Disneyland
Los Alamitos Armed Forces Reserve Center
U.S. Naval Weapons Station
Seal Beach Nat. Wildlife Refuge
Harbor City
Bolsa
Talbert
Garfield
Warner
Meadowlake Airport
Los Alamitos Race Course
Long Beach Airport
Dominguez Hills
Cal State Dom. Hills
Rancho Los Cerritos
Hollydale
Rosecrans
Firestone
Watts
Imperial
Alondra
Del Amo
Carson
Willow
Pacific
Ocean
Naples
Belmont Shore
Laguna Beach
Seal Beach
Westminster
Garden Grove
Chapman
Harbor
Beach
Knott
Lincoln
Orangethorpe
Commonwealth
Harbor
Euclid
Brookhurst
Fairview
Magnolia
Gilbert
Pioneer
Bloomfield
Norwalk
Alondra
Artesia
Pioneer
Carmenita
Bellflower
Paramount
Hollydale
Rosecrans
Compton
Willowbrook
Lynwood
Wilmington
Avalon
Alameda
Long Beach
Harbor
Wilmington
Figueroa
Broadway
Vernon
Slauson
Florence
Firestone
Walnut Park
Huntington Park
Maywood
Commerce
Bell
Cudahy
Bell Gardens
Florence
Walnut Park
Watts
South Gate
Lynwood
Willowbrook
Compton
Paramount
Bellflower
Artesia
Norwalk
La Mirada
Fullerton
Buena Park
Placentia
Yorba Linda
Anaheim
Cypress
Hawaiian Gardens
Stanton
Garden Grove
Los Alamitos
Rossmoor
Signal Hill
Wilmington
Belmont Shore
Long Beach
Seal Beach
Westminster
Santa Ana
El Modena
Irvine
East Irvine
Costa Mesa
Fountain Valley
Huntington Beach
Bolsa Chica State Beach
Huntington State Beach
Newport Beach
Corona Del Mar
Balboa
Corona Del Mar State Beach
Arch Rock
Upper Bay
Newport Bay
Big Can. Res.
Signal Pk.
Sand Can. Res.
Laguna Res.
Peters Canyon Res.
Lower Peters Can. Res.
Rattlesnake
Burruel Pt.
Anaheim Hill
Walnut
Santiago
Villa Park
Orange
Yorba Linda Mineral Springs
Carbon
Soquel
Sleepy Hollow
Firestone
Arnold Res.
Fullerton Reservoir
Los Coyotes Hills
Turnbull Can.
Tonner Canyon
Sand Canyon
Irvine
Laguna
San Joaquin Hills
Santa Ana
Gabriel River
San Jose Hills
Pomona
Whittier
Harbor
Riv
Freeway
Knotts Berry Farm
Disneyland
Los Alamitos Armed Forces Reserve Center
U.S. Naval Weapons Station
Seal Beach Nat. Wildlife Refuge
Harbor City
Bolsa
Talbert
Garfield
Warner
Meadowlake Airport
Los Alamitos Race Course
Long Beach Airport
Dominguez Hills
Cal State Dom. Hills
Rancho Los Cerritos
Hollydale
Rosecrans
Firestone
Watts
Imperial
Alondra
Del Amo
Carson
Willow
Pacific
Ocean
Naples
Belmont Shore
Laguna Beach
Seal Beach
Westminster
Garden Grove
Chapman
Harbor
Beach
Knott
Lincoln
Orangethorpe
Commonwealth
Harbor
Euclid
Brookhurst
Fairview
Magnolia
Gilbert
Pioneer
Bloomfield
Norwalk
Alondra
Artesia
Pioneer
Carmenita
Bellflower
Paramount
Hollydale
Rosecrans
Compton
Willowbrook
Lynwood
Wilmington
Avalon
Alameda
Long Beach
Harbor
Wilmington
Figueroa
Broadway
Vernon
Slauson
Florence
Firestone
Walnut Park
Huntington Park
Maywood
Commerce
Bell
Cudahy
Bell Gardens
For more detailed in
this area see the A.C
to Metropolitan Lo

1-13 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1400 PDT, 9/13/77 AT 55 & 5
TRAVERSE END: 1431 PDT AT 210 & 30
TRAVERSE ROUTE: N ON 5, 57, 210

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	0	26	0
2	0	27	6
3	4	28	1
4	0	29	5
5	0	30	8
6	0		
7	0		
8	2		
9	0		
10	0		
11	0		
12	1		
13	0		
14	0		
15	0		
16	0		
17	0		
18	0		
19	0		
20	0		
21	0		
22	1		
23	0		
24	*		

LSB-6

1-14

LOS AN
FREEW
AUTOMOBILE CLUB
SOUTHERN CALIFORNIA
INDEFINITE OPENING
BURBANK
GLENDALE
PASADENA
HOLLYWOOD
BEVERLY HILLS
LOS ANGELES
SANTA MONICA
INGLEWOOD
SOUTH GATE
DOWNEY
HAWTHORNE
LYNWOOD
COMPTON
TORRANCE
REDONDO BEACH
BELLFLOWER
LAKEWOOD
LONG BEACH
ANAHEIM
GARDEN GROVE
WESTMINSTER
FULLERTON
BUENA PARK
WHITTIER
PICO RIVERA
MONTEREY PARK
EL MONTE
ARCADIA
WEST COVINA
SANTA MONICA BAY
King Harbor Marina
Marina del Rey
LOS ANGELES
ORANGE

1-14 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

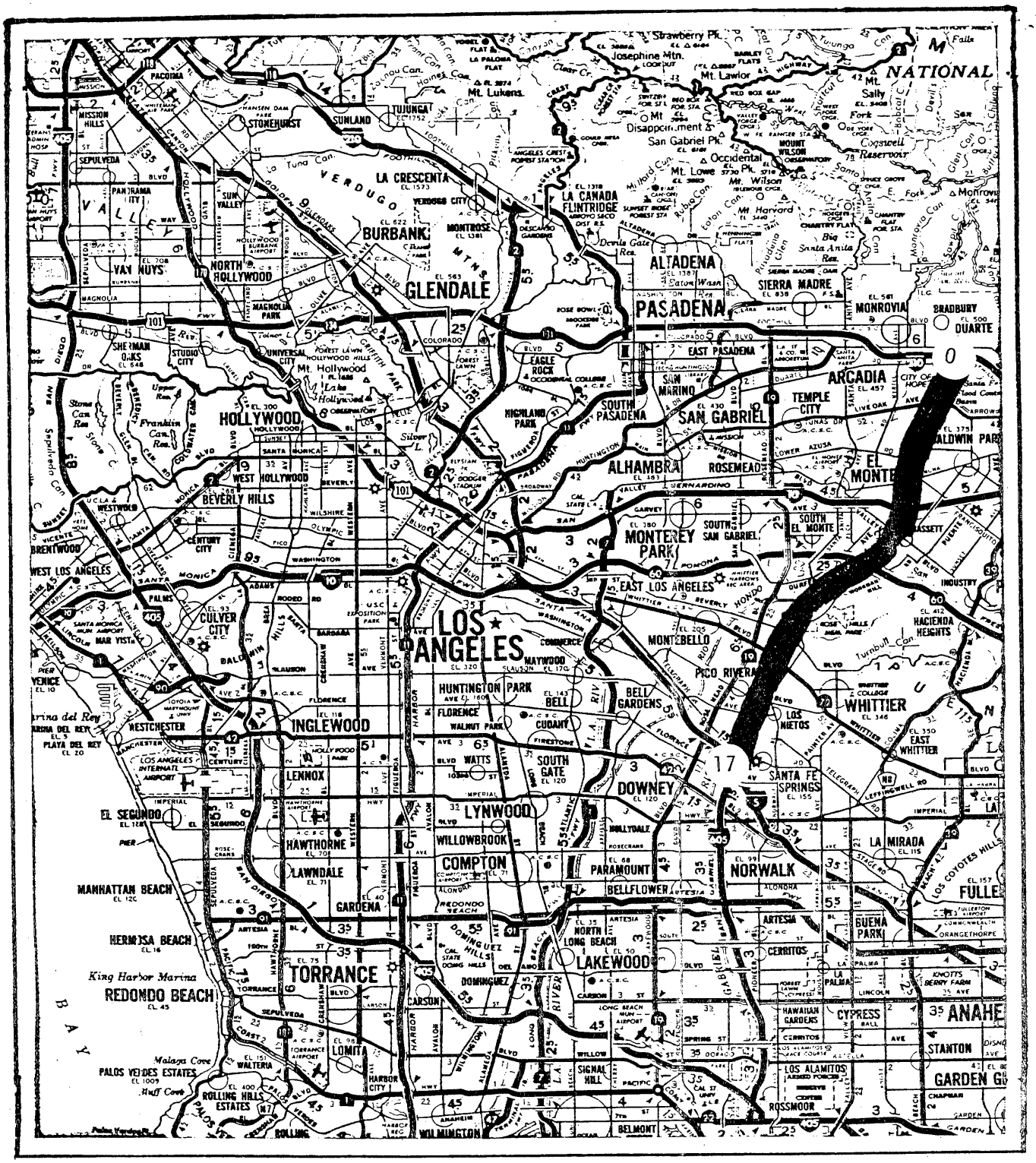
TRAVERSE START: 1426 PDT, 9/13/77 AT 405 & 7
TRAVERSE END: 1512 PDT AT 5 & 14
TRAVERSE ROUTE: N ON 405, 5

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	6	26	0
2	0	27	0
3	0	28	0
4	0	29	0
5	0	30	0
6	0	31	0
7	3	32	0
8	0	33	0
9	0	34	0
10	0	35	0
11	1	36	1
12	0	37	0
13	7	38	0
14	115	39	1
15	531	40	0
16	258	41	0
17	106	42	0
18	13	43	0
19	9	44	0
20	0	45	0
21	0		
22	0		
23	0		
24	0		

LSB-6

1-15



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-15 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1433 PDT, 9/13/77 AT 605 & 210
TRAVERSE END: 1449 PDT AT 605 & 5
TRAVERSE ROUTE: S ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	0
1	0
2	0
3	3
4	0
5	0
6	0
7	17
8	19
9	19
10	16
11	15
12	26
13	7
14	11
15	43
16	62
17	98

LSB-6

1-16

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-16 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1456 PDT, 9/13/77 AT 210 & 30
TRAVERSE END: 1529 PDT AT 5 & 55
TRAVERSE ROUTE: S ON 210, 57, 5

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	5	25	0
1	3	26	0
2	0	27	0
3	0	28	0
4	0	29	0
5	16	30	0
6	20		
7	0		
8	0		
9	0		
10	0		
11	0		
12	0		
13	0		
14	0		
15	0		
16	5		
17	0		
18	2		
19	0		
20	0		
21	0		
22	0		
23	0		
24	0		

LSB-6

1-17

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-17 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

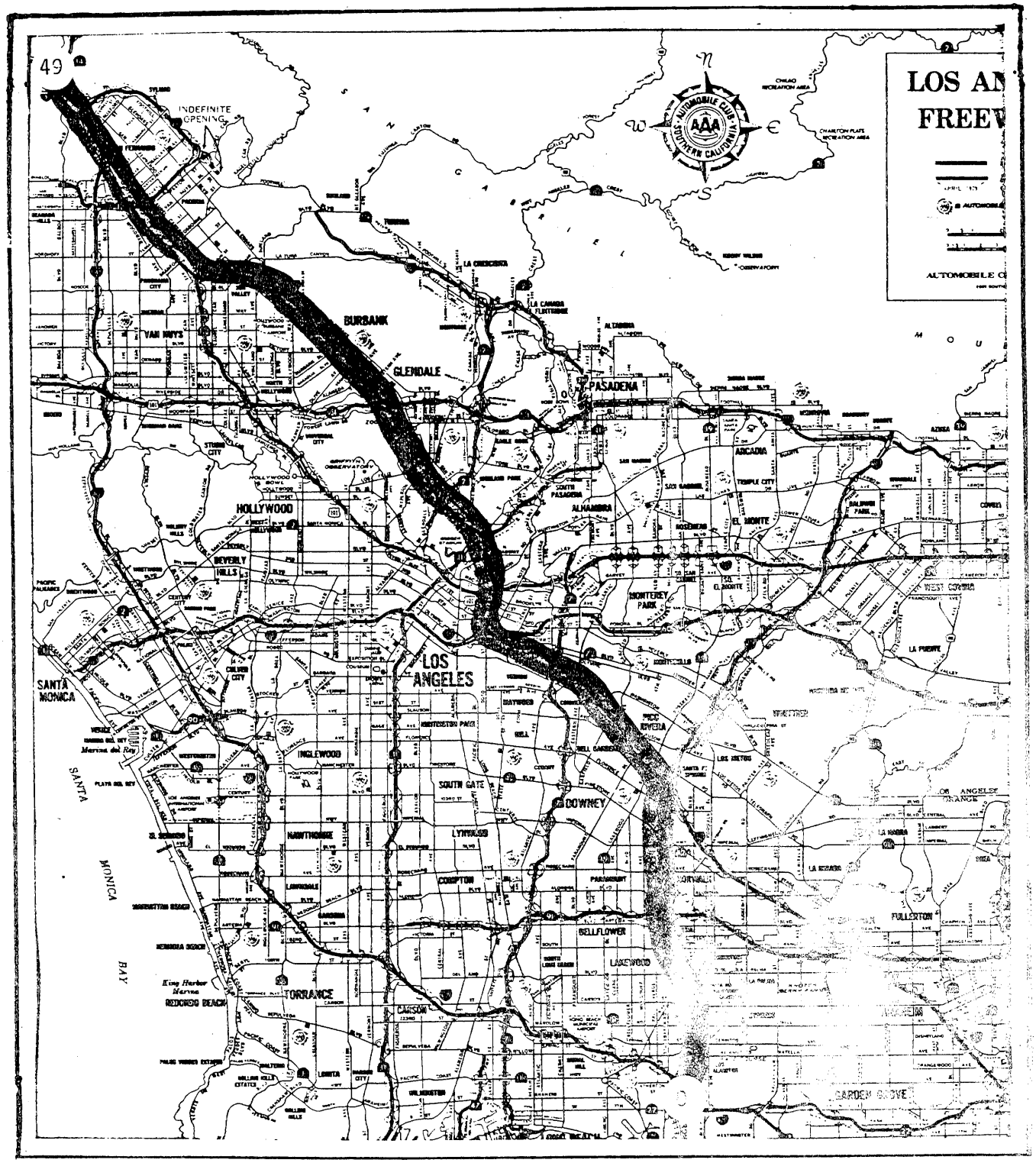
TRAVERSE START: 1458 PDT, 9/13/77 AT 605 & 5
TRAVERSE END: 1516 PDT AT 605 & 210
TRAVERSE ROUTE: N ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	56
1	14
2	18
3	19
4	9
5	6
6	16
7	12
8	9
9	27
10	17
11	7
12	4
13	0
14	0
15	0
16	0
17	*

LSB-6

1-18



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-18 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

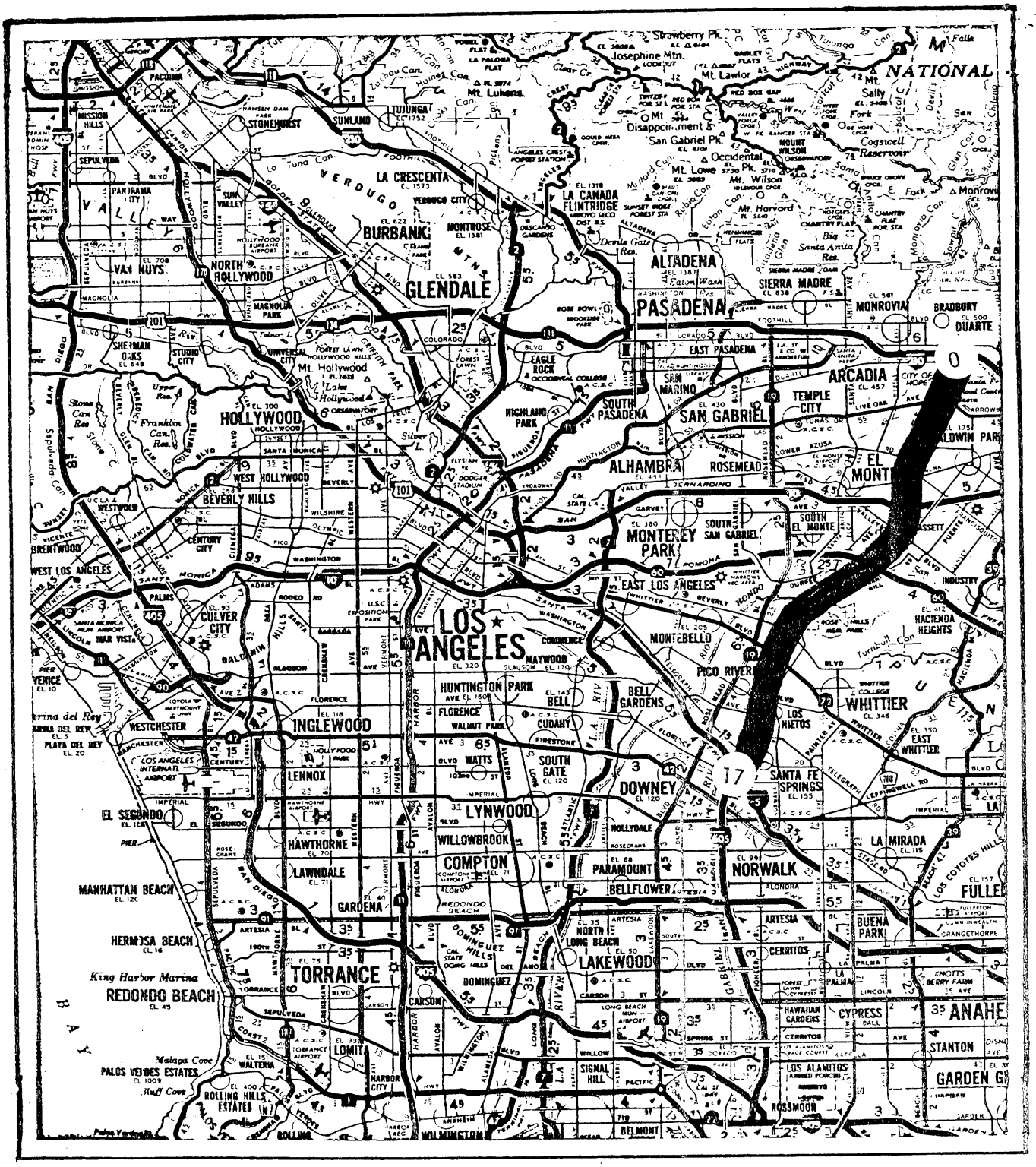
TRAVERSE START: 1530 PDT, 9/13/77 AT 605 & 405
TRAVERSE END: 1627 PDT AT 5 & 14
TRAVERSE ROUTE: N ON 605, 5

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	0	26	1
2	0	27	3
3	0	28	0
4	0	29	0
5	22	30	0
6	19	31	3
7	39	32	0
8	67	33	0
9	81	34	0
10	73	35	0
11	116	36	0
12	106	37	0
13	83	38	0
14	96	39	0
15	178	40	0
16	234	41	0
17	350	42	0
18	171	43	0
19	199	44	0
20	124	45	0
21	72	46	0
22	23	47	0
23	13	48	0
24	10	49	0

LSB-6

1-19



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-19 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

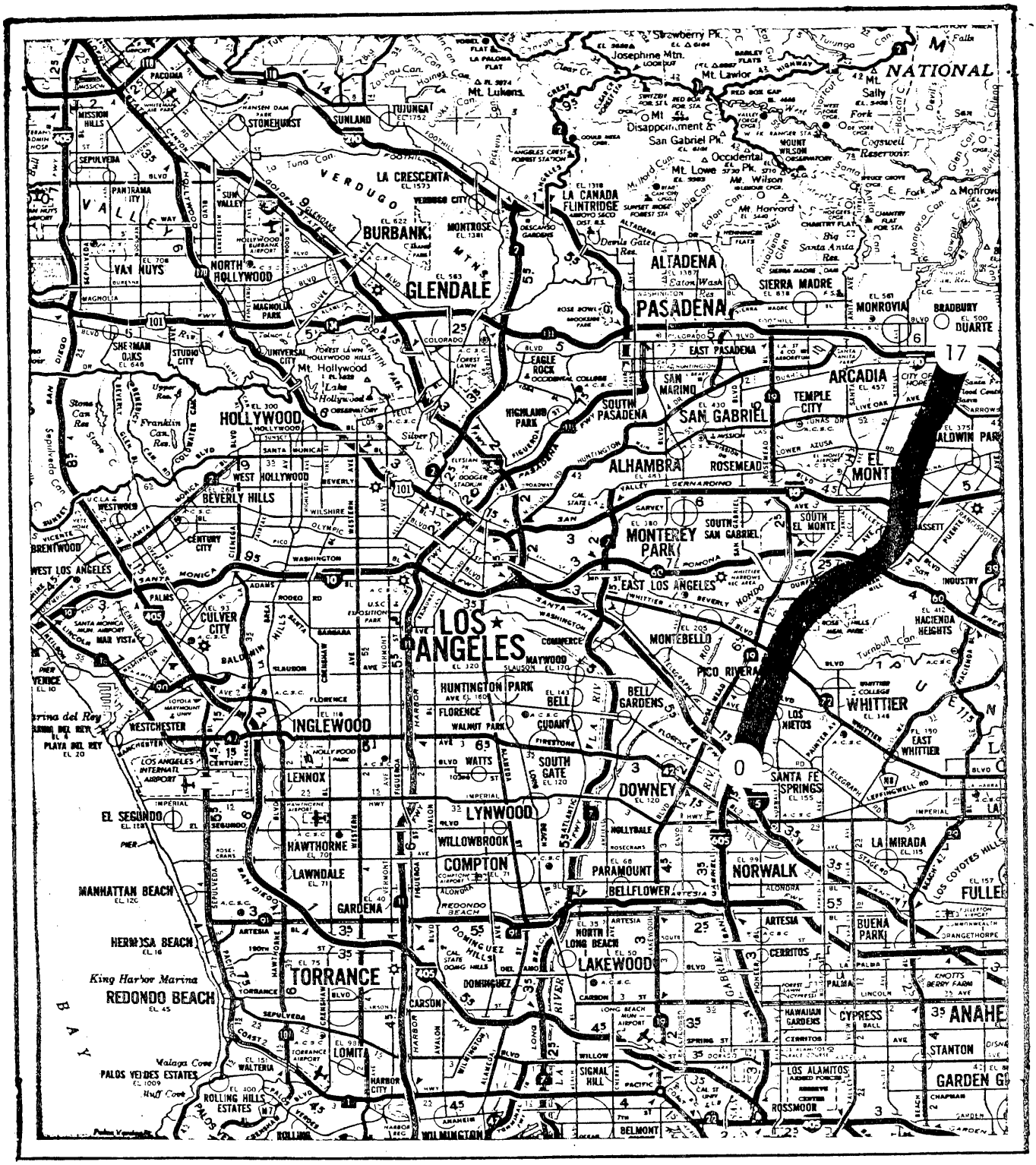
TRAVERSE START: 1531 PDT, 9/13/77 AT 605 & 210
TRAVERSE END: 1546 PDT AT 605 & 5
TRAVERSE ROUTE: S ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	0
1	0
2	3
3	7
4	15
5	9
6	18
7	8
8	9
9	8
10	4
11	19
12	45
13	65
14	92
15	101
16	117
17	131

LSB-6

1-20



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-20 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

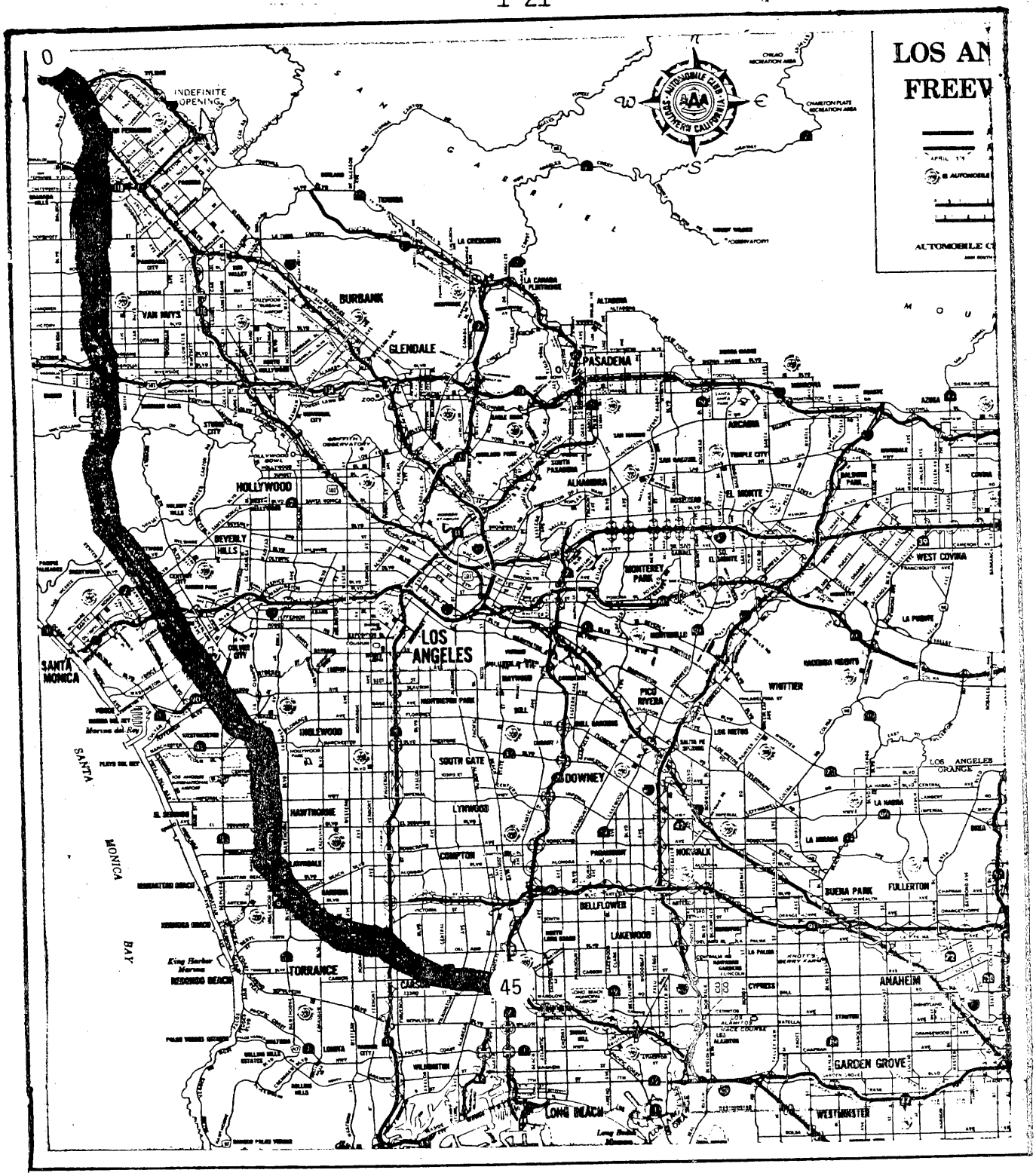
TRAVERSE START: 1555 PDT, 9/13/77 AT 605 & 5
TRAVERSE END: 1612 PDT AT 605 & 210
TRAVERSE ROUTE: N ON 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT
0	91
1	72
2	181
3	120
4	91
5	153
6	59
7	47
8	32
9	13
10	10
11	9
12	0
13	7
14	5
15	14
16	5
17	10

LSB-6

1-21



THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-21 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1557 PDT, 9/13/77 AT 5 & 14
TRAVERSE END: 1653 PDT AT 405 & 7
TRAVERSE ROUTE: S ON 5, 405

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	0
1	0	26	0
2	0	27	0
3	0	28	2
4	0	29	0
5	0	30	0
6	0	31	0
7	0	32	0
8	0	33	17
9	2	34	0
10	0	35	0
11	0	36	0
12	0	37	0
13	0	38	0
14	1	39	0
15	0	40	0
16	0	41	0
17	0	42	0
18	4	43	0
19	1	44	*
20	0	45	0
21	0		
22	0		
23	0		
24	0		

LSB-6

1-22

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-22 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1602 PDT, 9/13/77 AT 55 & 5
TRAVERSE END: 1638 PDT AT 30 & 210
TRAVERSE ROUTE: N ON 5, 57, 210

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	6
1	0	26	15
2	0	27	8
3	0	28	4
4	0	29	1
5	0	30	0
6	1		
7	0		
8	6		
9	0		
10	0		
11	13		
12	4		
13	11		
14	15		
15	12		
16	24		
17	26		
18	18		
19	33		
20	24		
21	14		
22	18		
23	8		
24	10		

LSB-6

1-23

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-23 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1658 PDT, 9/13/77 AT 5 & 14
TRAVERSE END: 1805 PDT AT 605 & 405
TRAVERSE ROUTE: S ON 5, 605

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	0	25	3
1	0	26	7
2	0	27	9
3	0	28	0
4	0	29	1
5	1	30	2
6	0	31	5
7	0	32	10
8	3	33	2
9	0	34	2
10	0	35	6
11	3	36	2
12	3	37	1
13	6	38	2
14	19	39	0
15	14	40	0
16	17	41	0
17	13	42	2
18	6	43	0
19	2	44	0
20	1	45	0
21	0	46	0
22	0	47	7
23	0	48	2
24	1	49	0

LSB-6

1-24

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-24 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1659 PDT, 9/13/77 AT 210 & 30
TRAVERSE END: 1732 PDT AT 5 & 55
TRAVERSE ROUTE: S ON 210, 57, 5

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	11	25	0
1	9	26	0
2	15	27	1
3	0	28	0
4	13	29	0
5	14	30	*
6	47		
7	31		
8	25		
9	17		
10	34		
11	10		
12	9		
13	7		
14	18		
15	0		
16	0		
17	2		
18	1		
19	0		
20	0		
21	0		
22	0		
23	0		
24	0		

LSB-6

1-25

THE NUMBERS INDICATE THE MILES TRAVELED ALONG THE TRAVERSE ROUTE

1-25 TRAV LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

TRAVERSE START: 1756 PDT, 9/13/77 AT 5 & 55
TRAVERSE END: 1830 PDT AT 210 & 30
TRAVERSE ROUTE: N ON 5, 57, 210

* DENOTES MISSING DATA

MILEAGE	[SF6] PPT	MILEAGE	[SF6] PPT
0	1	25	30
1	0	26	32
2	0	27	123
3	0	28	38
4	2	29	85
5	0	30	0
6	0		
7	0		
8	0		
9	1		
10	0		
11	0		
12	6		
13	0		
14	2		
15	1		
16	7		
17	0		
18	0		
19	6		
20	2		
21	5		
22	0		
23	11		
24	6		

Appendix F3

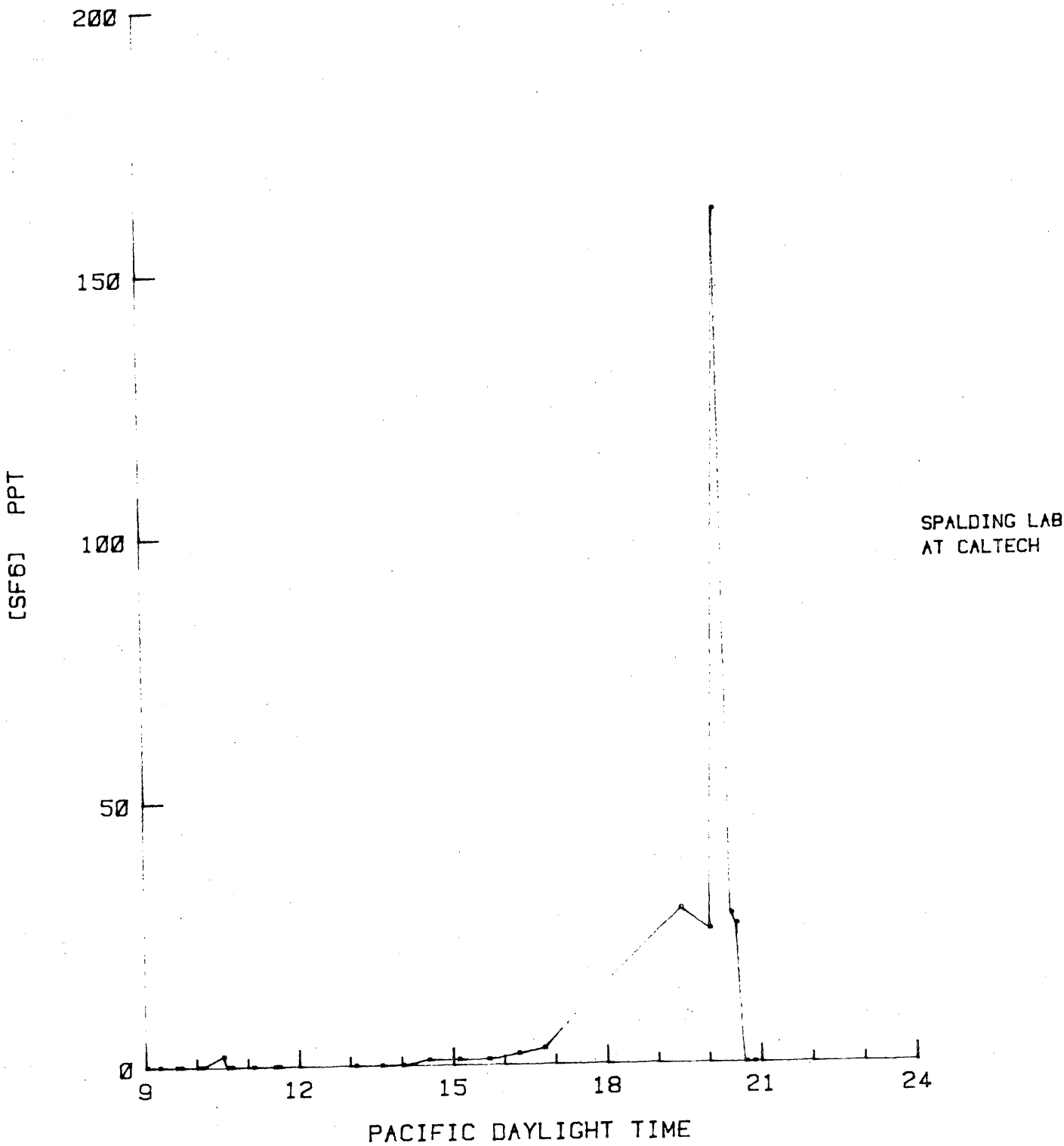
Grab Samples

for

Test 6

Conducted Starting September 13, 1977

LSB-6 PASADENA GRAB SAMPLES 9/13/77



RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST-DUE SOUTH OF POINT DUME, DUE WEST OF EL SEGUNDO
RELEASE TIME: 0900-1400 PDT, 9/13/77

PASADENA GRAB SAMPLES LSB-6

RELEASE: 117 LBS SF6/HR (14.8 GR/SEC) OFF SHORE FROM GOLDEN WEST
RELEASE TIME: 0900-1400 PDT, 9/13/77

SAMPLING LOCATION: SPALDING LAB AT CALTECH (PASADENA)
DURATION OF SAMPLING: 0900-2050 PDT, 9/13/77

* DENOTES MISSING DATA

TIME PDT	[SF6] PPT	TIME PDT	[SF6] PPT
0900	0	2031	26
0915	0	2040	0
0935	0	2050	0
0940	0		
1000	0		
1005	0		
1030	2		
1035	0		
1040	0		
1105	0		
1130	0		
1133	0		
1135	0		
1305	0		
1335	0		
1400	0		
1430	1		
1505	1		
1540	1		
1615	2		
1645	3		
1926	29		
2000	25		
2015	162		
2025	28		

Appendix G1

Hourly Averaged Tracer Data for Fixed Sites

for

Test No. 7

Conducted Starting July 13, 1978

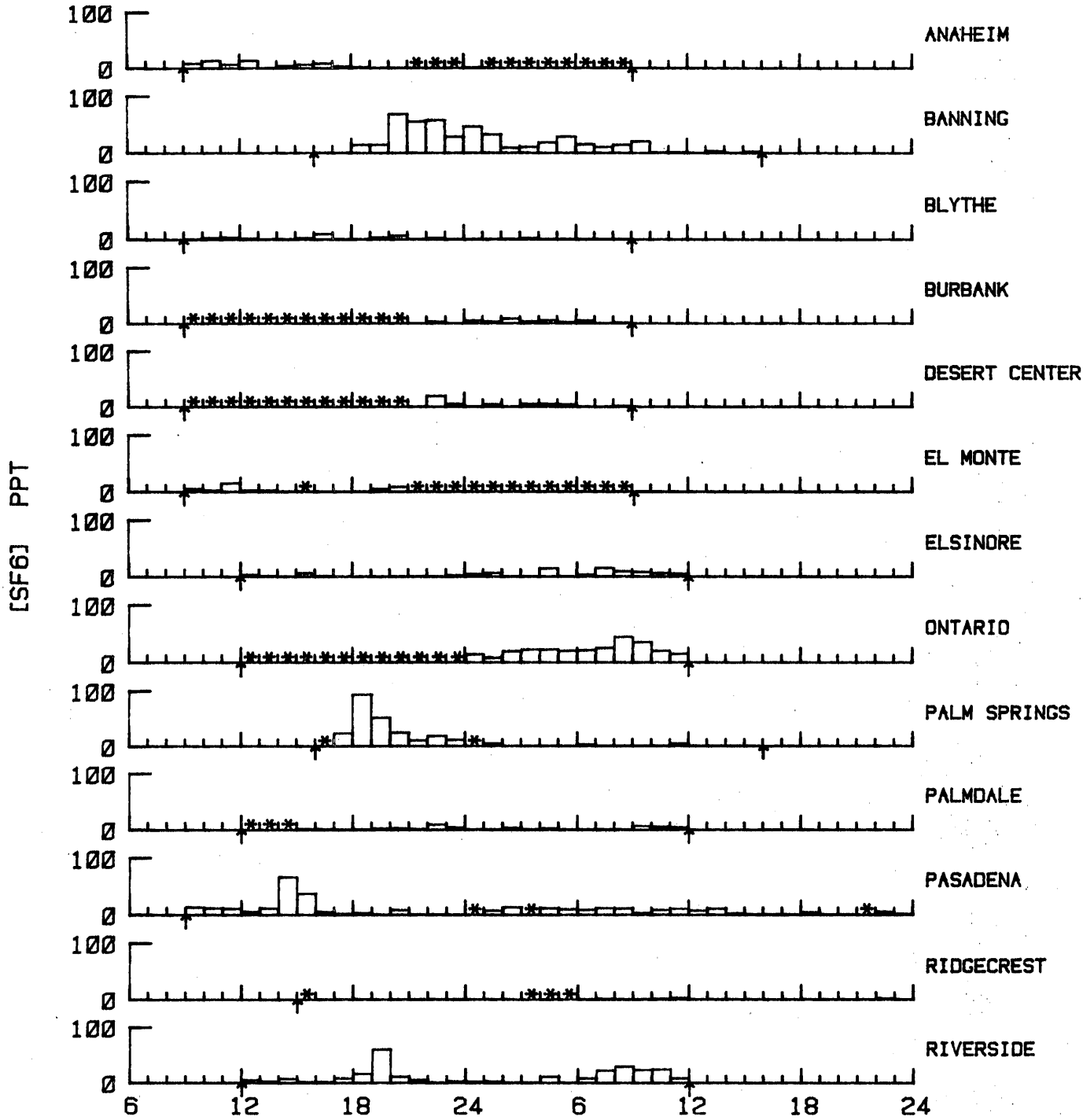
Land-Sea Breeze Field Study Test 7

July 13-14, 1978

Fixed Sites

	Location	Abbreviation
1.	Anahiem	ANAH
2.	Banning	BANN
3.	Blythe	BLYT
4.	Burbank	BURB
5.	Desert Center	D CE
6.	El Monte	EL M
7.	Elsinore	ELSI
8.	Ontario	ONTA
9.	Palm Springs	P SP
10.	Palmdale	PALM
11.	Pasadena	PASA
12.	Ridgecrest	RIDG
13.	Riverside	RIVE

LSB-7 FIXED SITES 7/13-14/78



RELEASE: 98 LBS SF6/HR (12.4 GR/SEC) AT EL SEGUNDO
RELEASE TIME: 0900-1500 PDT, 7/13/78

GROUND LEVEL RELEASE NEAR EL SEGUNDO POWER PLANT

* INDICATES MISSING DATA
ARROWS INDICATE BOUNDS OF SAMPLING PERIOD

TW 10/5/81

LAND-SEA BREEZE FIELD STUDY TEST 7

JULY 13, 1978

SF6 CONCENTRATION IN PPT

	SITE	HOUR (PDT) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	ANAH										8	13	6	13	0	4	6	8	3	1	0	0			
2	BANN																	0	0	14	14	68	55	57	28
3	BLYT										0	2	3	1	0	0	2	9	0	0	3	6	0	2	0
4	BURB																						0	3	0
5	D CE																						0	19	5
6	EL M										5	2	15	2	2	0		0	0	0	5	8			
7	ELSI													3	1	0	6	1	0	0	0	0	0	0	2
8	ONTA																								
9	P SP																		23	93	51	24	10	18	11
10	PALM																1	1	0	0	2	2	1	9	4
11	PASA										13	11	10	5	11	66	37	5	1	3	0	8	0	0	0
12	RIDG																	0	0	0	0	0	0	0	0
13	RIVE													5	2	7	1	1	8	16	60	11	5	0	3

LAND-SEA BREEZE FIELD STUDY TEST 7

JULY 14, 1978

SF6 CONCENTRATION IN PPT

	SITE	HOUR (PDT) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	ANAH	0																							
2	BANN	46	32	8	10	18	28	15	10	14	20	1	1	0	3	0	2								
3	BLYT	0	0	0	2	0	0	0	0	0															
4	BURB	5	3	8	3	5	2	5	0	1															
5	D CE	0	4	0	5	5	4	0	0	1															
6	EL M																								
7	ELSI	4	6	0	0	14	0	3	15	9	8	6	5												
8	ONTA	14	8	19	22	22	20	21	25	44	35	20	15												
9	P SP		4	0	0	0	0	2	0	0	0	0	4	0	0	0	0								
10	PALM	0	0	3	0	2	0	0	0	0	6	5	4												
11	PASA		7	13		11	9	8	11	10	3	8	10	7	10	2	0	0	0	4	0	0		5	1
12	RIDG	0	0	0				0	1	0	0	1	3	0	0	0	0	0	0	0	0	0	0	2	0
13	RIVE	2	3	0	0	11	0	8	22	29	23	24	8												