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ATMOSPHERIC TRACER STUDIES TO CHARACTERIZE THE TRANSPORT
AND DISPERSION OF POLLUTANTS IN THE CALIFORNIA DELTA REGION

VOLUME II, PART B:
TABULATION OF TRACER AND METEOROLOGICAL DATA

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Air Resources Board
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SUMMARY
VOLUME II, PARTS A AND B

It appears that the Montezuma Hills in the California Delta region may become the construction site for a series of large industrial facilities. The Delta region lies in a major channel for interbasin air flow between the San Francisco Bay Area and the Sacramento and San Joaquin Valleys of central California. For this reason, eight atmospheric tracer tests, utilizing SF_6 and CBrF_3 as dual tracers, were conducted during early September in order to probe the transport and dispersion of pollutants to and from the Montezuma Hills. An extensive air sampling system and meteorological observation system were employed in cooperation with Meteorology Research, Inc. (MRI) to measure as completely as possible all of the important variables associated with the tracer transport and dispersion. The tracer and pertinent meteorological data are presented in this report. A complete discussion of the meteorological and air quality data has been prepared by personnel from MRI; the MRI report is available under separate cover.

A brief summary of the results and conclusions are given in the Executive Summary, while a complete description of the study, the results, and conclusions are presented in Volume I. The tracer and meteorological data are presented graphically in Volume II, Part A; the same data are tabulated in Volume II, Part B. The tracer and meteorological data are also available as a computer card data deck.

Volume II, Parts A and B serve as the presentation and tabulation of the data base. For the sake of completeness and clearness, the data are graphically presented in several forms. Overview maps of automobile and airborne traverse tracer data and overview maps of the hourly averaged

tracer data provide a visual summary of the transport and dispersion of the tracers. The data are also presented individually by traverse and hourly sampling station.

ACKNOWLEDGMENT

We are very happy to acknowledge Charles L. Bennett and Jack K. Suder, both Senior Air Pollution Research Specialists with the California Air Resources Board, for their interest, helpful suggestions, and their help in coordinating this program.

The cooperation of William Anderson and David Bauer of the Dow Chemical Company was greatly appreciated. We wish to thank Art Schafer and L. Willard Richards of Rockwell International for their support.

We wish to thank John Pryshepa of Caltrans for the use of their portable anemometers. We thank Norman Baker for his support in providing airborne sampling and pertinent meteorological data. We thank Neal Moyer of the Air Resources Board for providing emission data, and Burton Okin of the Bay Area APCD for providing meteorological data.

Personnel from Meteorology Research, Incorporated provided meteorological support and also collected airborne samples. In particular, we wish to thank Ted B. Smith, Hans D. Giroux, and William Knuth for their cooperation throughout the field study.

We thank Joseph Spano of the San Joaquin APCD for his support in providing air sampling sites. We also thank the California State Police along with local firefighters for providing a number of air sampling sites. The Pinole police department was very cooperative in providing a release location. We express our thanks to the many people at APCD stations, private businesses, and homes who allowed us to operate the hourly air sampling systems.

We wish to thank C. Ray Dickson of the NOAA Laboratories in Idaho Falls, Idaho, for helpful suggestions regarding the development of chromatographic columns which were used to separate SF_6 and $CBrF_3$.

We thank Russell Bennett and Dave Suder for their help in obtaining air samples during the field study.

We wish to thank George Griffith, Henry Smith, Ray Reed, and John Yehle for their willingness to lend a hand when the need arose. We also thank Sharon ViGario for her patience in the typing of this report.

Finally, we thank the management of the California Holiday Lodge for permitting us to set up a small laboratory on their premises.

PERSONNEL

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TABLE OF CONTENTS
VOLUME II, PARTS A AND B

<u>Part A</u>	<u>Page</u>
Summary: Volume II, Parts A and B	iii
Acknowledgment	v
Personnel	vi
Table of Contents	vii
List of Tables	ix
List of Figures	x
1. Introduction	1
2. Experimental Procedure	4
3. Presentation of Tracer Data	21
3.1 Relation of Tracer Data to Industrial Pollutant Emissions	21
3.2 Overview of Tracer Data	25
3.3 Automobile Traverse Tracer Data	93
3.4 Airborne Traverse Tracer Data	122
3.5 Airborne Spiral Tracer Data	130
3.6 Automobile Traverse Best-fit Gaussian Curves	133
3.7 Airborne Spiral Best-fit Gaussian Curves	165
3.8 Hourly Averaged Tracer Data	168
3.9 Hourly Averaged Crosswind Tracer Concentrations	183
3.10 Mass Balance of Tracer Data	187
3.11 Crosswind Horizontal and Vertical Standard Deviations as Functions of Downwind Distance	193
3.12 Comparison of Experimental Dispersion Results with Pasquill Dispersion Parameters	228
4. Relationship of Dispersion Data to Wind Data	257
4.1 Fluctuations in the Horizontal Winds	257
4.2 Horizontal Dispersion as a Function of Wind Fluctuations	260
4.3 Atmospheric Stability Classification	262

Part B

	<u>Page</u>
5. Tabulation of Tracer Data	264
5.1 Automobile Traverse Tracer Data	264
5.2 Airborne Traverse Tracer Data	400
5.3 Airborne Spiral Tracer Data	438
5.4 Hourly Averaged Sequential 12-Hour Tracer Data	455
5.5 Hourly Averaged Sequential 3-Hour Tracer Data	468
6. Tabulation of Meteorological Data	475
6.1 Hourly Averaged Wind Speed and Direction Data	475
6.2 Montezuma Hills Pibal Summary	512
6.3 Estimation of Mixing Layer Depth	571
6.4 Upper Air Average Wind Speed and Direction Data	576

Literature Cited

LIST OF TABLES

<u>Part A</u>	<u>Page</u>
1. Tracer Release Data	3
2. Hourly Sequential Sampling Points	6
3. Description of Automobile and Airborne Sampling Routes	8
4. Description of Wind Data Stations	18
5. Nomograph K-Values for Projected Dow Emissions	24
6. Preliminary Dow Montezuma Air Emission Estimations	26
7. Best-fit Gaussian Plume Results	160
8. Tracer Mass Balance Results	189
9. Horizontal Crosswind Dispersion Coefficients	210
10. Vertical Crosswind Dispersion Coefficients	226
11. Average Meteorological Conditions during Field Tests	263
<u>Part B</u>	
12. Automobile Traverse Tracer Data	265
13. Airborne Traverse Tracer Data	400
14. Airborne Spiral Tracer Data	438
15. Hourly Averaged Sequential 12-Hour Tracer Data	455
16. Hourly Averaged Sequential 3-Hour Tracer Data	468
17. Hourly Averaged Wind Speed and Direction Data	475
18. Montezuma Hills Pibal Summary	512
19. Estimation of Mixing Layer Depth	571
20. Upper Air Average Wind Data	577

LIST OF FIGURES

<u>Part A</u>		<u>Page</u>
1	Field Test Region, Tracer Release Locations, Hourly Sampling Sites	2
2	Field Test Region, Wind Measurement Locations	17
3	Conversion of SF ₆ Concentrations to Pollutant Concentrations	22
4	Conversion of CBrF ₃ Concentrations to Pollutant Concentrations	23
5-8	Overview of Test 1 Automobile Traverse Tracer Data	27-30
9-10	Overview of Test 1 Hourly Averaged Tracer Data	31-32
11-17	Overview of Test 2 Automobile Traverse Tracer Data	33-39
18-19	Overview of Test 2 Hourly Averaged Tracer Data	40-41
20-26	Overview of Test 3 Automobile Traverse Tracer Data	42-48
27-28	Overview of Test 3 Hourly Averaged Tracer Data	49-50
29-32	Overview of Test 4 Automobile Traverse Tracer Data	51-54
33-34	Overview of Test 4 Hourly Averaged Tracer Data	55-56
35-38	Overview of Test 5 Automobile Traverse Tracer Data	57-60
39	Overview of Test 5 Hourly Averaged Tracer Data	61
40-45	Overview of Test 6 Automobile Traverse Tracer Data	62-67
46-50	Overview of Test 6 Airborne Traverse Tracer Data	68-72
51	Overview of Test 6 Hourly Averaged Tracer Data	73
52-58	Overview of Test 7 Automobile Traverse Tracer Data	74-80
59-63	Overview of Test 7 Airborne Traverse Tracer Data	81-85
64-65	Overview of Test 7 Hourly Averaged Tracer Data	86-87
66-68	Overview of Test 8 Automobile Traverse Tracer Data	88-90
69-70	Overview of Test 8 Airborne Traverse Tracer Data	91-92
71-72	Automobile Traverse Tracer Data, Test 1	94-95

	<u>Page</u>
73-78 Automobile Traverse Tracer Data, Test 2	96-101
79-82 Automobile Traverse Tracer Data, Test 3	102-105
83-85 Automobile Traverse Tracer Data, Test 4	106-108
86-88 Automobile Traverse Tracer Data, Test 5	109-111
89-91 Automobile Traverse Tracer Data, Test 6	112-114
92-96 Automobile Traverse Tracer Data, Test 7	115-119
97-98 Automobile Traverse Tracer Data, Test 8	120-121
99-100 Airborne Traverse Tracer Data, Test 6	123-124
101-103 Airborne Traverse Tracer Data, Test 7	125-127
104-105 Airborne Traverse Tracer Data, Test 8	128-129
106-107 Airborne Spiral Tracer Data	131-132
108-109 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 1	135-136
110-113 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 2	137-140
114-117 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 3	141-144
118-120 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 4	145-147
121-123 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 5	148-150
124-126 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 6	151-153
127-130 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 7	154-157
131-132 Best-fit Gaussian Curves to Automobile Traverse Tracer Data, Test 8	158-159
133-134 Best-fit Gaussian Curves to Airborne Spiral Data	166-167
135-136 Hourly Averaged Tracer Data, Test 1	169-170

	<u>Page</u>
137-138 Hourly Averaged Tracer Data, Test 2	171-172
139-140 Hourly Averaged Tracer Data, Test 3	173-174
141 Hourly Averaged Tracer Data, Test 4	175
142 Hourly Averaged Tracer Data, Test 5	176
143 Hourly Averaged Tracer Data, Test 6	177
144-145 Hourly Averaged Tracer Data, Test 7	178-179
146-148 Hourly Averaged Tracer Data	180-182
149-151 Hourly Averaged Crosswind Tracer Data	184-186
152-160 Horizontal Dispersion Parameter versus Downwind Distance (by test)	194-202
161-167 Horizontal Dispersion Parameter versus Downwind Distance (by meteorological condition)	203-209
168-175 Vertical Dispersion Parameter versus Downwind Distance (by test)	212-219
176-181 Vertical Dispersion Parameter versus Downwind Distance (by meteorological condition)	220-225
182-190 Comparison of Experimental Dispersion Parameter with Pasquill Dispersion Parameter (by test)	229-237
191-198 Comparison of Experimental Dispersion Parameter with Pasquill Dispersion Parameter (by meteorological condition)	238-245
199-203 Comparison of Experimental Vertical Dispersion Parameter with Pasquill Dispersion Parameter (by test)	246-250
204-209 Comparison of Experimental Vertical Dispersion Parameter with Pasquill Dispersion Parameter (by meteorological condition)	251-256
210-211 Standard Deviation of the Horizontal Wind, σ_{θ}	258-259
212 Correlation Between σ_y and σ_{θ}	261

5. Tabulation of Tracer Data

5.1 Automobile Traverse Tracer Data (Table 12)

CALIF. DELTA TEST NO. 1

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 8/31/76 TIME (PDT): 1400-1450

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	1.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	0.
7.24	0.	21.72	0.	36.20	0.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.	39.42	0.
11.26	1.	25.74	0.	40.22	0.
12.07	0.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 1
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 8/31/76 TIME (PDT): 1400-1450

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	0.		
45.86	0.		
46.66	0.		
47.47	0.		
48.27	0.		
49.07	0.		
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 1

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: TWITCHELL ISLAND ROAD AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 8/31/76 TIME (PDT): 1420-1433

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	5.79	0.	11.58	24.
0.32	0.	6.11	0.	11.91	10.
0.64	0.	6.44	2.	12.23	10.
0.97	0.	6.76	1.	12.55	0.
1.29	0.	7.08	9.	12.87	4.
1.61	0.	7.40	23.	13.19	2.
1.93	0.	7.72	590.	13.52	5.
2.25	0.	8.04	293.	13.84	80.
2.57	0.	8.37	355.	14.16	34.
2.90	0.	8.69	473.	14.48	23.
3.22	0.	9.01	304.	14.80	24.
3.54	0.	9.33	611.		
3.86	0.	9.65	442.		
4.18	0.	9.98	375.		
4.51	0.	10.30	313.		
4.83	0.	10.62	177.		
5.15	0.	10.94	203.		
5.47	0.	11.26	54.		

CALIF. DELTA TEST NO. 1

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 8/31/76 TIME (PDT): 1430-1445

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	5.79	0.	11.58	45.
0.32	0.	6.11	0.	11.91	81.
0.64	0.	6.44	0.	12.23	97.
0.97	2.	6.76	0.	12.55	10.
1.29	0.	7.08	0.	12.87	5.
1.61	0.	7.40	0.	13.19	7.
1.93	0.	7.72	7.	13.52	47.
2.25	0.	8.04	306.	13.84	99.
2.57	0.	8.37	991.	14.16	134.
2.90	0.	8.69	821.	14.48	83.
3.22	0.	9.01	791.	14.80	20.
3.54	0.	9.33	581.		
3.86	0.	9.65	591.		
4.18	0.	9.98	1013.		
4.51	0.	10.30	681.		
4.83	0.	10.62	426.		
5.15	0.	10.94	424.		
5.47	0.	11.26	341.		

CALIF. DELTA TEST NO. 1

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: TWITCHELL ISLAND ROAD AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 8/31/76 TIME (PDT): 1515-1527

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	5.79	3.	11.58	284.
0.32	0.	6.11	2.	11.91	325.
0.64	0.	6.44	3.	12.23	272.
0.97	1.	6.76	4.	12.55	140.
1.29	0.	7.08	3.	12.87	71.
1.61	0.	7.40	11.	13.19	55.
1.93	0.	7.72	51.	13.52	28.
2.25	0.	8.04	195.	13.84	22.
2.57	1.	8.37	444.	14.16	70.
2.90	0.	8.69	756.	14.48	34.
3.22	2.	9.01	607.	14.80	87.
3.54	0.	9.33	658.		
3.86	4.	9.65	694.		
4.18	2.	9.98	479.		
4.51	9.	10.30	517.		
4.83	8.	10.62	524.		
5.15	7.	10.94	529.		
5.47	1.	11.26	318.		

CALIF. DELTA TEST NO. 1

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: EAST ON I5, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. I205 AND I5

DATE: 8/31/76 TIME (PDT): 1600-1652

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	4.	19.31	1.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	1.
7.24	0.	21.72	0.	36.20	0.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.	39.42	0.
11.26	0.	25.74	0.	40.22	0.
12.07	0.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 1
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: EAST ON I5, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. 1205 AND I5

DATE: 8/31/76 TIME (PDT): 1600-1652

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	1.	59.53	0.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	0.
49.88	0.	64.36	0.
50.68	0.	65.16	0.
51.49	0.	65.97	0.
52.29	0.	66.77	0.
53.10	0.	67.58	0.
53.90	0.	68.38	0.
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 1

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: NORTH CN HWY 160

STARTING POINT: HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 8/31/76 TIME (PDT): 1630-1641

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	5.79	0.	11.58	0.
0.32	0.	6.11	0.	11.91	0.
0.64	0.	6.44	0.	12.23	0.
0.97	0.	6.76	0.	12.55	0.
1.29	0.	7.08	0.	12.87	0.
1.61	0.	7.40	24.	13.19	12.
1.93	0.	7.72	665.	13.52	8.
2.25	0.	8.04	1223.	13.84	6.
2.57	3.	8.37	174.	14.16	0.
2.90	0.	8.69	160.	14.48	0.
3.22	0.	9.01	115.	14.80	0.
3.54	0.	9.33	334.		
3.86	0.	9.65	464.		
4.18	0.	9.98	503.		
4.51	0.	10.30	204.		
4.83	0.	10.62	132.		
5.15	0.	10.94	142.		
5.47	0.	11.26	30.		

CALIF. DELTA TEST NO. 1

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: BOESSOW ROAD (GALT) AND HWY 99

DATE: 8/31/76 TIME (PDT): 1701-1753

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	0.	31.38	2.
3.22	0.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	0.
7.24	0.	21.72	5.	36.20	1.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	6.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.	39.42	3.
11.26	0.	25.74	0.	40.22	1.
12.07	0.	26.55	1.	41.03	1.
12.87	0.	27.35	0.	41.83	5.
13.68	0.	28.16	0.	42.64	2.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 1
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: BOESSOW ROAD (GALT) AND HWY 99

DATE: 8/31/76 TIME (PDT): 1701-1753

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	3.	57.92	34.
44.25	10.	58.73	39.
45.05	5.	59.53	46.
45.86	3.	60.34	26.
46.66	6.	61.14	*****
47.47	11.	61.95	42.
48.27	10.	62.75	44.
49.07	14.	63.55	46.
49.88	15.	64.36	55.
50.68	12.	65.16	64.
51.49	18.	65.97	39.
52.29	20.	66.77	36.
53.10	21.	67.58	50.
53.90	23.	68.38	34.
54.71	24.	69.19	34.
55.51	35.	69.99	28.
56.31	25.	70.80	21.

57.12 33.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTH ON I680

STARTING POINT: JUNC. I780 AND I680

DATE: 9/02/76 TIME (PDT): 1130-1144

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	5.79	9420.	11.58	6.
0.32	0.	6.11	15000.	11.91	5.
0.64	0.	6.44	4698.	12.23	4.
0.97	0.	6.76	1228.	12.55	0.
1.29	0.	7.08	10.	12.87	0.
1.61	0.	7.40	15.	13.19	0.
1.93	0.	7.72	8.	13.52	0.
2.25	0.	8.04	8.	13.84	0.
2.57	0.	8.37	3.	14.16	0.
2.90	0.	8.69	2.	14.48	2.
3.22	0.	9.01	0.	14.80	0.
3.54	0.	9.33	0.	15.12	0.
3.86	0.	9.65	0.	15.45	0.
4.18	0.	9.98	2.	15.77	0.
4.51	0.	10.30	1.	16.09	0.
4.83	0.	10.62	1.	16.41	0.
5.15	195.	10.94	0.	16.73	0.
5.47	30000.	11.26	3.	17.06	0.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTH ON I680

STARTING POINT: JUNC. I780 AND I680

DATE: 9/02/76 TIME (PDT): 1130-1144

DISTANCE	SF6
(KM)	(PPT)

17.38	0.
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17.70	0.
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18.02	0.
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18.34	2.
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18.66	0.
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18.99	0.
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19.31	0.
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19.63	0.
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19.95	0.
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CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: NORTH ON I680

STARTING POINT: HWY 24 (WALNUT CREEK) AND I680

DATE: 9/02/76 TIME (PDT): 1215-1228

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	2.	5.79	29.	11.58	85.
0.32	3.	6.11	51.	11.91	387.
0.64	0.	6.44	70.	12.23	52.
0.97	0.	6.76	98.	12.55	25.
1.29	0.	7.08	91.	12.87	48.
1.61	0.	7.40	68.	13.19	21.
1.93	2.	7.72	21.	13.52	2975.
2.25	0.	8.04	11.	13.84	30000.
2.57	4.	8.37	807.	14.16	10129.
2.90	0.	8.69	275.	14.48	23000.
3.22	3.	9.01	390.	14.80	19000.
3.54	5.	9.33	129.	15.12	1018.
3.86	0.	9.65	47.	15.45	14.
4.18	2.	9.98	0.	15.77	7.
4.51	1.	10.30	2.	16.09	5.
4.83	4.	10.62	12.	16.41	5.
5.15	2.	10.94	48.	16.73	0.
5.47	7.	11.26	70.	17.06	0.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: NORTH ON I680

STARTING POINT: HWY 24 (WALNUT CREEK) AND I680

DATE: 9/02/76 TIME (PDT): 1215-1228

DISTANCE	SF6
(KM)	(PPT)

17.38	13.
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17.70	4.
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18.02	4.
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18.34	0.
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18.66	0.
-------	----

18.99	0.
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19.31	0.
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19.63	0.
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19.95	0.
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CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: EAST ON HWY 4, NORTH ON HWY 160

STARTING POINT: LOVERIDGE ROAD AND HWY 4

DATE: 9/02/76 TIME (PCT): 1240-1328

DISTANCE	SF6
(KM)	(PPT)

0.0	41.
1.61	36.
3.22	15.
4.83	5.
6.44	7.
8.04	7.
9.65	4.
11.26	0.
12.87	8.
14.48	8.
16.09	7.
17.70	14.
19.31	7.
20.92	4.
22.53	2.
24.13	0.
25.74	1.

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1400-1415

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	6.	5.79	0.	11.58	33.
0.32	6.	6.11	3.	11.91	30.
0.64	8.	6.44	3.	12.23	28.
0.97	5.	6.76	3.	12.55	22.
1.29	2.	7.08	5.	12.87	20.
1.61	3.	7.40	4.	13.19	23.
1.93	0.	7.72	7.	13.52	12.
2.25	1.	8.04	14.	13.84	11.
2.57	0.	8.37	16.	14.16	11.
2.90	1.	8.69	26.	14.48	12.
3.22	0.	9.01	23.	14.80	13.
3.54	2.	9.33	24.	15.12	10.
3.86	0.	9.65	21.	15.45	10.
4.18	2.	9.98	26.	15.77	10.
4.51	0.	10.30	23.	16.09	8.
4.83	1.	10.62	21.	16.41	6.
5.15	0.	10.94	22.	16.73	5.
5.47	1.	11.26	22.	17.06	4.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1400-1415

DISTANCE SF6
(KM) (PPT)

17.38 3.

17.70 5.

18.02 3.

18.34 3.

18.66 4.

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1400-1415

DISTANCE (KM)	CBRF3 (PPI)	DISTANCE (KM)	CBRF3 (PPI)	DISTANCE (KM)	CBRF3 (PPI)
0.0	0.	5.79	0.	11.58	0.
0.32	0.	6.11	0.	11.91	0.
0.64	0.	6.44	0.	12.23	17.
0.97	0.	6.76	22.	12.55	23.
1.29	0.	7.08	29.	12.87	0.
1.61	0.	7.40	0.	13.19	0.
1.93	0.	7.72	2168.	13.52	0.
2.25	0.	8.04	39.	13.84	0.
2.57	0.	8.37	0.	14.16	0.
2.90	0.	8.69	0.	14.48	0.
3.22	0.	9.01	0.	14.80	75.
3.54	0.	9.33	0.	15.12	0.
3.86	0.	9.65	0.	15.45	0.
4.18	0.	9.98	0.	15.77	0.
4.51	0.	10.30	0.	16.09	0.
4.83	0.	10.62	191.	16.41	0.
5.15	0.	10.94	0.	16.73	0.
5.47	0.	11.26	0.	17.06	0.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1400-1415

DISTANCE CBRF3

(KM) (PPT)

17.38 0.

17.70 0.

18.02 0.

18.34 0.

18.66 0.

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: SOUTH CN HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PCT): 1445-1503

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	7.	5.79	7.	11.58	0.
0.32	5.	6.11	1.	11.91	15.
0.64	3.	6.44	2.	12.23	0.
0.97	7.	6.76	0.	12.55	9.
1.29	2.	7.08	3.	12.87	10.
1.61	4.	7.40	0.	13.19	9.
1.93	0.	7.72	0.	13.52	14.
2.25	0.	8.04	0.	13.84	6.
2.57	1.	8.37	6.	14.16	4.
2.90	0.	8.69	6.	14.48	5.
3.22	1.	9.01	12.	14.80	4.
3.54	0.	9.33	10.	15.12	4.
3.86	1.	9.65	12.	15.45	3.
4.18	0.	9.98	16.	15.77	4.
4.51	1.	10.30	8.	16.09	0.
4.83	0.	10.62	19.	16.41	4.
5.15	1.	10.94	0.	16.73	0.
5.47	1.	11.26	12.	17.06	3.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1445-1503

DISTANCE SF6
(KM) (PPT)

17.38 3.

17.70 3.

18.02 0.

18.34 2.

18.66 3.

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1445-1503

DISTANCE (KM)	CBRF3 (PPI)	DISTANCE (KM)	CBRF3 (PPI)	DISTANCE (KM)	CBRF3 (PPI)
0.0	0.	5.79	0.	11.58	0.
0.32	0.	6.11	0.	11.91	0.
0.64	0.	6.44	0.	12.23	0.
0.97	0.	6.76	0.	12.55	0.
1.29	0.	7.08	0.	12.87	0.
1.61	0.	7.40	0.	13.19	0.
1.93	0.	7.72	0.	13.52	82.
2.25	0.	8.04	0.	13.84	0.
2.57	0.	8.37	215.	14.16	0.
2.90	0.	8.69	840.	14.48	69.
3.22	0.	9.01	237.	14.80	0.
3.54	0.	9.33	101.	15.12	0.
3.86	0.	9.65	390.	15.45	0.
4.18	0.	9.98	312.	15.77	0.
4.51	0.	10.30	0.	16.09	0.
4.83	0.	10.62	0.	16.41	0.
5.15	0.	10.94	0.	16.73	0.
5.47	0.	11.26	0.	17.06	65.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1445-1503

DISTANCE CBRF3
(KM) (PPT)

17.38 0.

17.70 0.

18.02 0.

18.34 0.

18.66 0.

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: JUNC. HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1515-1528

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	4.	8.69	28.	17.38	3.
0.48	2.	9.17	4.	17.86	2.
0.97	2.	9.65	4.	18.34	0.
1.45	0.	10.14	1.		
1.93	2.	10.62	4.		
2.41	0.	11.10	4.		
2.90	2.	11.58	6.		
3.38	0.	12.07	3.		
3.86	0.	12.55	3.		
4.34	1.	13.03	3.		
4.83	1.	13.52	2.		
5.31	6.	14.00	3.		
5.79	0.	14.48	1.		
6.28	0.	14.96	0.		
6.76	4.	15.45	3.		
7.24	3.	15.93	3.		
7.72	2.	16.41	2.		
8.21	2.	16.89	2.		

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: JUNC. HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/02/76 TIME (PDT): 1515-1528

DISTANCE CBRF3 (KM) (PPT)	DISTANCE CBRF3 (KM) (PPT)	DISTANCE CBRF3 (KM) (PPT)
0.0 0.	8.69 42.	17.38 23.
0.48 0.	9.17 0.	17.86 0.
0.97 0.	9.65 23.	18.34 0.
1.45 68.	10.14 0.	
1.93 51.	10.62 0.	
2.41 0.	11.10 21.	
2.90 0.	11.58 0.	
3.38 0.	12.07 26.	
3.86 0.	12.55 11.	
4.34 0.	13.03 0.	
4.83 0.	13.52 27.	
5.31 0.	14.00 0.	
5.79 0.	14.48 0.	
6.28 0.	14.96 0.	
6.76 0.	15.45 19.	
7.24 0.	15.93 0.	
7.72 0.	16.41 0.	
8.21 0.	16.89 0.	

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: SOUTHWEST ON RAILROAD AVENUE

STARTING POINT: JUNC. HIGHWAY 4 AND RAILROAD AVENUE

DATE: 9/02/76 TIME (PDT): 1545-1635

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	7.	7.24	25.	14.48	4.
0.40	28.	7.64	7.	14.88	0.
0.80	22.	8.04	14.	15.29	6.
1.21	21.	8.45	0.	15.69	0.
1.61	21.	8.85	0.	16.09	2.
2.01	21.	9.25	9.	16.49	0.
2.41	88.	9.65	0.	16.89	5.
2.82	*****	10.06	6.	17.30	4.
3.22	*****	10.46	2.	17.70	0.
3.62	165.	10.86	6.	18.10	0.
4.02	197.	11.26	0.	18.50	0.
4.42	178.	11.67	2.	18.91	0.
4.83	219.	12.07	4.	19.31	0.
5.23	224.	12.47	11.	19.71	0.
5.63	251.	12.87	0.	20.11	0.
6.03	*****	13.27	0.	20.51	5.
6.44	217.	13.68	0.	20.92	3.
6.84	304.	14.08	1.	21.32	2.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: SOUTHWEST ON RAILROAD AVENUE

STARTING POINT: JUNC. HIGHWAY 4 AND RAILROAD AVENUE

DATE: 9/02/76 TIME (PDT): 1545-1635

DISTANCE	SF6
(KM)	(PPT)

21.72	0.
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22.12	0.
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22.53	0.
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22.93	0.
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23.33	0.
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23.73	0.
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24.13	0.
-------	----

24.54	0.
-------	----

24.94	0.
-------	----

25.34	0.
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25.74	1.
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26.15	0.
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26.55	0.
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26.95	0.
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27.35	0.
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***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: SOUTH ON EMPIRE MINE ROAD

STARTING POINT: JUNC. LONE TREE ROAD AND EMPIRE MINE ROAD

DATE: 9/02/76 TIME (PDT): 1625-1640

DISTANCE	SF6
(KM)	(PPT)

0.0	0.
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0.80	0.
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1.61	0.
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2.41	0.
------	----

3.22	0.
------	----

4.02	3.
------	----

4.83	3.
------	----

5.63	0.
------	----

6.44	0.
------	----

7.24	0.
------	----

8.04	0.
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8.85	0.
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9.65	0.
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10.46	0.
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CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. COLLIER ROAD AND HWY 99

DATE: 9/02/76 TIME (PDT): 1630-1715

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	1.	14.48	8.	28.96	4.
0.80	2.	15.29	7.	29.77	5.
1.61	36.	16.09	16.	30.57	9.
2.41	2.	16.89	7.	31.38	11.
3.22	2.	17.70	12.	32.18	11.
4.02	6.	18.50	12.	32.98	14.
4.83	4.	19.31	9.	33.79	10.
5.63	4.	20.11	12.	34.59	10.
6.44	0.	20.92	*****	35.40	*****
7.24	4.	21.72	9.	36.20	9.
8.04	5.	22.53	9.	37.01	9.
8.85	8.	23.33	8.	37.81	5.
9.65	6.	24.13	7.	38.62	5.
10.46	8.	24.94	8.	39.42	8.
11.26	7.	25.74	11.	40.22	8.
12.07	*****	26.55	5.	41.03	5.
12.87	5.	27.35	6.	41.83	6.
13.68	0.	28.16	5.	42.64	7.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. COLLIER ROAD AND HWY 99

DATE: 9/02/76 TIME (PDT): 1630-1715

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	6.	57.92	29.
44.25	7.	58.73	19.
45.05	6.	59.53	20.
45.86	6.	60.34	27.
46.66	6.	61.14	19.
47.47	7.	61.95	2.
48.27	10.	62.75	1.
49.07	11.	63.55	1.
49.88	16.		
50.68	11.		
51.49	13.		
52.29	17.		
53.10	15.		
53.90	14.		
54.71	18.		
55.51	20.		
56.31	18.		
57.12	18.		

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. COLLIER ROAD AND HWY 99

DATE: 9/02/76 TIME (PDT): 1630-1715

DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	25.	15.29	82.	29.77	67.
1.61	0.	16.09	27.	30.57	43.
2.41	0.	16.89	32.	31.38	91.
3.22	0.	17.70	0.	32.18	50.
4.02	0.	18.50	0.	32.98	141.
4.83	0.	19.31	200.	33.79	146.
5.63	0.	20.11	0.	34.59	75.
6.44	0.	20.92	0.	35.40	*****
7.24	0.	21.72	0.	36.20	24.
8.04	0.	22.53	49.	37.01	81.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	23.
10.46	0.	24.94	0.	39.42	0.
11.26	0.	25.74	0.	40.22	30.
12.07	0.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, 1205

STARTING POINT: JUNC. COLLIER ROAD AND HWY 99

DATE: 9/02/76 TIME (PDT): 1630-1715

DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	117.
45.05	0.	59.53	10.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	23.
49.07	0.	63.55	36.
49.88	23.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	12.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON I580, I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. FOOTHILL ROAD AND I580

DATE: 9/02/76 TIME (PDT): 1630-1737

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	1.	28.96	1.
0.80	0.	15.29	71.	29.77	2.
1.61	5.	16.09	1.	30.57	3.
2.41	5.	16.89	0.	31.38	1.
3.22	5.	17.70	0.	32.18	2.
4.02	6.	18.50	0.	32.98	2.
4.83	6.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	2.
7.24	4.	21.72	0.	36.20	4.
8.04	1.	22.53	0.	37.01	3.
8.85	5.	23.33	0.	37.81	2.
9.65	7.	24.13	0.	38.62	4.
10.46	2.	24.94	1.	39.42	3.
11.26	0.	25.74	2.	40.22	4.
12.07	0.	26.55	0.	41.03	6.
12.87	0.	27.35	2.	41.83	4.
13.68	0.	28.16	2.	42.64	2.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON I580, I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. FOOTHILL ROAD AND I580

DATE: 9/02/76 TIME (PDT): 1630-1737

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	2.	57.92	9.	72.40	2.
44.25	6.	58.73	15.	73.21	5.
45.05	2.	59.53	13.	74.01	6.
45.86	3.	60.34	15.	74.82	6.
46.66	20.	61.14	9.	75.62	6.
47.47	21.	61.95	15.	76.43	9.
48.27	91.	62.75	16.	77.23	11.
49.07	20.	63.55	19.	78.04	13.
49.88	20.	64.36	16.	78.84	8.
50.68	27.	65.16	17.	79.64	12.
51.49	19.	65.97	9.	80.45	10.
52.29	17.	66.77	11.	81.25	7.
53.10	2.	67.58	11.	82.06	9.
53.90	21.	68.38	9.	82.86	11.
54.71	20.	69.19	7.	83.67	23.
55.51	14.	69.99	8.	84.47	8.
56.31	13.	70.80 *****		85.28	10.
57.12	18.	71.60	7.	86.08	9.

2.00 8. 9.00 10.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON I580, I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. FOOTHILL ROAD AND I580

DATE: 9/02/76 TIME (PDT): 1630-1737

DISTANCE	SF6
(KM)	(PPT)

86.89	0.
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87.69	11.
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88.49	8.
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89.30	11.
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90.10	8.
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90.91	7.
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CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON I580, I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. FOOTHILL ROAD AND I580

DATE: 9/02/76 TIME (PDT): 1630-1737

DISTANCE CBRF3 (KM) (PPI)	DISTANCE CBRF3 (KM) (PPI)	DISTANCE CBRF3 (KM) (PPI)
0.0 0.	14.48 0.	28.96 0.
0.80 0.	15.29 0.	29.77 0.
1.61 0.	16.09 0.	30.57 0.
2.41 0.	16.89 0.	31.38 0.
3.22 0.	17.70 0.	32.18 17.
4.02 0.	18.50 0.	32.98 0.
4.83 0.	19.31 0.	33.79 0.
5.63 0.	20.11 0.	34.59 0.
6.44 0.	20.92 0.	35.40 18.
7.24 0.	21.72 0.	36.20 0.
8.04 0.	22.53 0.	37.01 0.
8.85 0.	23.33 0.	37.81 0.
9.65 0.	24.13 0.	38.62 0.
10.46 0.	24.94 0.	39.42 0.
11.26 0.	25.74 0.	40.22 0.
12.07 0.	26.55 0.	41.03 0.
12.87 0.	27.35 0.	41.83 0.
13.68 0.	28.16 0.	42.64 17.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON I580, I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. FOOTHILL ROAD AND I580

DATE: 9/02/76 TIME (PDT): 1630-1737

DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)
43.44	0.	57.92	0.	72.40	0.
44.25	110.	58.73	0.	73.21	0.
45.05	0.	59.53	0.	74.01	0.
45.86	0.	60.34	0.	74.82	0.
46.66	0.	61.14	0.	75.62	107.
47.47	29.	61.95	0.	76.43	0.
48.27	0.	62.75	0.	77.23	72.
49.07	0.	63.55	0.	78.04	164.
49.88	0.	64.36	60.	78.84	64.
50.68	0.	65.16	29.	79.64	210.
51.49	0.	65.97	30.	80.45	146.
52.29	0.	66.77	103.	81.25	107.
53.10	0.	67.58	66.	82.06	300.
53.90	0.	68.38	0.	82.86	207.
54.71	0.	69.19	27.	83.67	101.
55.51	0.	69.99	23.	84.47	130.
56.31	0.	70.80	36.	85.28	100.
57.12	0.	71.60	0.	86.08	58.
0.0	130.	0.0	100.		

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON I580, I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. FOOTHILL ROAD AND I580

DATE: 9/02/76 TIME (PDT): 1630-1737

DISTANCE CBRF3

(KM) (PPI)

86.89 0.

87.69 94.

88.49 76.

89.30 48.

90.10 0.

90.91 0.

CALIF. DELTA TEST NO. 2

AUTO TRAVERSE NO. 11

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. MACARTHUR DRIVE AND I205

DATE: 9/02/76 TIME (PDT): 1731-1815

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	3.	14.48	11.	28.96	11.
0.80	3.	15.29	11.	29.77	10.
1.61	3.	16.09	14.	30.57	7.
2.41	2.	16.89	14.	31.38	22.
3.22	2.	17.70	6.	32.18	9.
4.02	2.	18.50	14.	32.98	11.
4.83	2.	19.31	12.	33.79	17.
5.63	2.	20.11	13.	34.59	18.
6.44	2.	20.92	12.	35.40	20.
7.24	3.	21.72	10.	36.20	16.
8.04	8.	22.53	7.	37.01	16.
8.85	27.	23.33	7.	37.81	22.
9.65	22.	24.13	8.	38.62	21.
10.46	14.	24.94	6.	39.42	20.
11.26	15.	25.74	10.	40.22	23.
12.07	*****	26.55	11.	41.03	21.
12.87	17.	27.35	9.	41.83	20.
13.68	15.	28.16	*****	42.64	16.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 11

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. MACARTHUR DRIVE AND I205

DATE: 9/02/76 TIME (PDT): 1731-1815

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	20.	57.92	5.
44.25	14.	58.73	4.
45.05	3.	59.53	4.
45.86	3.	60.34	4.
46.66	20.	61.14	4.
47.47	29.	61.95	4.
48.27	24.	62.75	7.
49.07	32.	63.55	4.
49.88	22.		
50.68	18.		
51.49	10.		
52.29	21.		
53.10	16.		
53.90	11.		
54.71	7.		
55.51	7.		
56.31	9.		
57.12	7.		

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 2

AUTC TRAVERSE NO. 11

TRAVERSE ROUTE: EAST ON 1205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. MACARTHUR DRIVE AND 1205

DATE: 9/02/76 TIME (PCT): 1731-1815

DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	44.	31.38	0.
3.22	0.	17.70	0.	32.18	0.
4.02	38.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	38.	34.59	0.
6.44	0.	20.92	0.	35.40	35.
7.24	35.	21.72	0.	36.20	0.
8.04	20.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	33.	24.13	51.	38.62	0.
10.46	0.	24.94	0.	39.42	0.
11.26	0.	25.74	30.	40.22	0.
12.07	0.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 2
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 11

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. MACARTHUR DRIVE AND I205

DATE: 9/02/76 TIME (PDT): 1731-1815

DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	0.	59.53	0.
45.86	0.	60.34	20.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	0.
49.88	23.		
50.68	0.		
51.49	82.		
52.29	0.		
53.10	0.		
53.90	26.		
54.71	0.		
55.51	30.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: JUNC. HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PCT): 0100-0112

DISTANCE	SF6
(KM)	(PPT)

17.38	0.
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17.70	0.
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18.02	0.
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18.34	0.
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18.66	0.
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CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/05/76 TIME (PDT): 0130-0210

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	3.	29.77	0.
1.61	3.	16.09	2.	30.57	0.
2.41	14.	16.89	1.	31.38	2.
3.22	2.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	1.	20.92	2.	35.40	2.
7.24	0.	21.72	3.	36.20	0.
8.04	0.	22.53	104.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	2.
10.46	0.	24.94	0.	39.42	0.
11.26	2.	25.74	2.	40.22	0.
12.07	1.	26.55	0.	41.03	0.
12.87	3.	27.35	0.	41.83	2.
13.68	4.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/05/76 TIME (PCT): 0130-0210

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	0.	59.53	0.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	2.	62.75	0.
49.07	0.	63.55	0.
49.88	0.		
50.68	0.		
51.49	2.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. BCESSCH ROAD (GALT) AND HWY 99

DATE: 9/05/76 TIME (PDT): 0213-0259

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	23.
0.80	0.	15.29	0.	29.77	69.
1.61	0.	16.09	2.	30.57	70.
2.41	0.	16.89	2.	31.38	410.
3.22	0.	17.70	1.	32.18	537.
4.02	0.	18.50	2.	32.98	374.
4.83	0.	19.31	0.	33.79	358.
5.63	0.	20.11	1.	34.59	366.
6.44	0.	20.92	0.	35.40	351.
7.24	0.	21.72	2.	36.20	322.
8.04	0.	22.53	0.	37.01	251.
8.85	0.	23.33	2.	37.81	360.
9.65	0.	24.13	2.	38.62	46.
10.46	0.	24.94	2.	39.42	67.
11.26	2.	25.74	2.	40.22	22.
12.07	0.	26.55	1.	41.03	6.
12.87	0.	27.35	5.	41.83	2.
13.68	0.	28.16	13.	42.64	3.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. BOESSON ROAD (GALT) AND HWY 99

DATE: 9/05/76 TIME (PDT): 0213-0259

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	4.	57.92	0.
44.25	3.	58.73	0.
45.05	2.	59.53	0.
45.86	2.	60.34	0.
46.66	2.	61.14	0.
47.47	3.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	0.
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: EMMATON CN HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0240-0300

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
2.41	0.	5.31	0.	8.21	0.
2.57	0.	5.47	0.	8.37	0.
2.74	0.	5.63	0.	8.53	0.
2.90	0.	5.79	0.	8.69	0.
3.06	0.	5.95	0.	8.85	0.
3.22	0.	6.11	0.	9.01	0.
3.38	0.	6.28	0.		
3.54	0.	6.44	0.		
3.70	0.	6.60	0.		
3.86	1.	6.76	0.		
4.02	0.	6.92	0.		
4.18	0.	7.08	0.		
4.34	0.	7.24	781.		
4.51	0.	7.40	1856.		
4.67	0.	7.56	1689.		
4.83	0.	7.72	125.		
4.99	0.	7.88	0.		
5.15	0.	8.04	0.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: WEST ON HWY 4

STARTING POINT: JUNC. 15 AND HWY 4

DATE: 9/05/76 TIME (PDT): 0247-0320

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	2.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	3.
7.24	0.	21.72	0.	36.20	0.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.	39.42	1.
11.26	0.	25.74	0.	40.22	0.
12.07	0.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: WEST ON HWY 4

STARTING POINT: JUNC. 15 AND HWY 4

DATE: 9/05/76 TIME (PDT): 0247-0320

DISTANCE	SF6
(KM)	(PPT)

43.44	0.
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44.25	0.
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45.05	0.
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45.86	0.
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46.66	0.
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47.47	0.
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48.27	0.
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49.07	0.
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49.88	2.
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50.68	0.
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51.49	0.
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52.29	1.
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CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE OF SAN JACUIN RIVER, ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0259-0306

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
3.11	0.	4.55	0.	6.00	0.
3.19	0.	4.63	0.	6.08	0.
3.27	0.	4.71	0.	6.16	0.
3.35	0.	4.79	0.	6.24	0.
3.43	0.	4.88	0.	6.32	0.
3.51	0.	4.96	0.	6.40	0.
3.59	0.	5.04	0.	6.48	35.
3.67	0.	5.12	0.	6.56	714.
3.75	0.	5.20	0.	6.65	4827.
3.83	0.	5.28	0.	6.73	2785.
3.91	0.	5.36	0.	6.81	8660.
3.99	0.	5.44	0.	6.89	1776.
4.07	0.	5.52	0.	6.97	1995.
4.15	0.	5.60	0.	7.05	688.
4.23	0.	5.68	0.	7.13	310.
4.31	0.	5.76	0.	7.21	78.
4.39	1.	5.84	0.	7.29	25.
4.47	0.	5.92	0.	7.37	42.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE OF SAN JOAQUIN RIVER, ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0259-0306

DISTANCE	SF6
(KM)	(PPT)

7.45	12.
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7.53	7.
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7.61	5.
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7.69	3.
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7.77	8.
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7.85	6.
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7.93	3.
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8.01	3.
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8.09	2.
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8.17	0.
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8.25	2.
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CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: WEST CN HWY 4

STARTING POINT: JUNC. I5 AND HWY 4

DATE: 9/05/76 TIME (PDT): 0332-0415

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	1.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	1.
1.61	0.	16.09	0.	30.57	2.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	0.	32.18	1.
4.02	0.	18.50	0.	32.98	0.
4.83	1.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	1.	20.92	0.	35.40	0.
7.24	0.	21.72	1.	36.20	0.
8.04	0.	22.53	2.	37.01	0.
8.85	0.	23.33	1.	37.81	0.
9.65	0.	24.13	0.	38.62	1.
10.46	0.	24.94	0.	39.42	0.
11.26	0.	25.74	2.	40.22	0.
12.07	0.	26.55	1.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

**CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)**

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: WEST ON HWY 4

STARTING POINT: JUNC. 15 AND HWY 4

DATE: 9/05/76 TIME (PDT): 0332-0415

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
43.44	0.	57.92	1.
44.25	0.	58.73	0.
45.05	2.	59.53	2.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	0.
49.88	1.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: EAST ON HWY 4, NORTH ON RT J3, WEST ON HWY 12

STARTING POINT: JUNC. BYRON RD AND HWY 4

DATE: 9/05/76 TIME (PDT): 0414-0545

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	0.
7.24	0.	21.72	0.	36.20	0.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.	39.42	0.
11.26	0.	25.74	0.	40.22	0.
12.07	0.	26.55	0.	41.03	6.
12.87	0.	27.35	0.	41.83	23.
13.68	0.	28.16	0.	42.64	4.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: EAST ON HWY 4, NORTH ON RT J3, WEST ON HWY 12

STARTING POINT: JUNC. BYRON RD AND HWY 4

DATE: 9/05/76 TIME (PDT): 0414-0545

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	7.	57.92	274.	72.40	0.
44.25	6.	58.73	229.	73.21	0.
45.05	9.	59.53	181.	74.01	0.
45.86	15.	60.34	211.	74.82	0.
46.66	46.	61.14	154.		
47.47	128.	61.95	122.		
48.27	202.	62.75	106.		
49.07	209.	63.55	114.		
49.88	149.	64.36	17.		
50.68	271.	65.16	67.		
51.49	224.	65.97	61.		
52.29	118.	66.77	68.		
53.10	201.	67.58	36.		
53.90	252.	68.38	34.		
54.71	370.	69.19	6.		
55.51	191.	69.99	4.		
56.31	332.	70.80	3.		
57.12	274.	71.60	0.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: JUNC. HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0430-0445

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	2.90	0.	5.79	0.
0.16	0.	3.06	0.	5.95	0.
0.32	0.	3.22	0.	6.11	0.
0.48	0.	3.38	0.	6.28	0.
0.64	0.	3.54	0.	6.44	0.
0.80	0.	3.70	0.	6.60	0.
0.97	0.	3.86	0.	6.76	5.
1.13	0.	4.02	0.	6.92	0.
1.29	0.	4.18	0.	7.08	1839.
1.45	0.	4.34	0.	7.24	6178.
1.61	0.	4.51	0.	7.40	3584.
1.77	0.	4.67	0.	7.56	338.
1.93	0.	4.83	0.	7.72	56.
2.09	0.	4.99	0.	7.88	23.
2.25	0.	5.15	0.	8.04	8.
2.41	0.	5.31	0.	8.21	6.
2.57	0.	5.47	0.	8.37	6.
2.74	0.	5.63	0.	8.53	0.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: NORTH CN HWY 160

STARTING POINT: JUNC. HWY 4 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0430-0445

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
8.69	3.	11.58	0.
8.85	0.	11.75	0.
9.01	0.	11.91	0.
9.17	0.	12.07	0.
9.33	0.	12.23	0.
9.49	0.	12.39	0.
9.65	0.	12.55	0.
9.81	0.	12.71	0.
9.98	0.		
10.14	0.		
10.30	0.		
10.46	0.		
10.62	0.		
10.78	0.		
10.94	0.		
11.10	0.		
11.26	0.		
11.42	0.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON HWY 12, SOUTH ON RT J8

STARTING POINT: JUNC. HWY 160 AND HWY 12

DATE: 9/05/76 TIME (PCT): 0432-0517

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	8.69	0.	17.38	0.
0.48	0.	9.17	0.	17.86	0.
0.97	0.	9.65	0.	18.34	0.
1.45	0.	10.14	0.	18.83	0.
1.93	0.	10.62	0.	19.31	1.
2.41	0.	11.10	0.	19.79	0.
2.90	0.	11.58	0.	20.27	0.
3.38	0.	12.07	0.	20.76	0.
3.86	0.	12.55	0.	21.24	0.
4.34	0.	13.03	0.	21.72	3.
4.83	0.	13.52	0.	22.20	0.
5.31	0.	14.00	0.	22.69	3.
5.79	0.	14.48	0.	23.17	1.
6.28	0.	14.96	0.	23.65	2.
6.76	0.	15.45	0.	24.13	3.
7.24	0.	15.93	0.	24.62	5.
7.72	0.	16.41	0.	25.10	9.
8.21	0.	16.89	0.	25.58	18.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON HWY 12, SOUTH CN RT J8

STARTING POINT: JUNC. HWY 160 AND HWY 12

DATE: 9/05/76 TIME (PDT): 0432-0517

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
26.07	22.	34.75	117.
26.55	35.	35.24	112.
27.03	57.	35.72	81.
27.51	45.	36.20	39.
28.00	123.	36.69	24.
28.48	170.	37.17	7.
28.96	334.	37.65	7.
29.44	608.	38.13	0.
29.93	476.		
30.41	370.		
30.89	440.		
31.38	349.		
31.86	508.		
32.34	580.		
32.82	430.		
33.31	297.		
33.79	239.		
34.27	127.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 11

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: THE "BEAN PCT" ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0441-0450

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
3.41	0.	4.86	0.	6.31	0.
3.49	0.	4.94	0.	6.39	2.
3.57	0.	5.02	0.	6.47	1.
3.65	0.	5.10	0.	6.55	0.
3.73	0.	5.18	0.	6.63	0.
3.81	0.	5.26	0.	6.71	0.
3.89	0.	5.34	0.	6.79	9.
3.97	0.	5.42	0.	6.87	18.
4.05	0.	5.50	0.	6.95	107.
4.14	0.	5.58	0.	7.03	645.
4.22	0.	5.66	0.	7.11	2852.
4.30	0.	5.74	0.	7.19	1558.
4.38	0.	5.82	0.	7.27	2803.
4.46	0.	5.90	0.	7.35	1879.
4.54	0.	5.99	0.	7.43	1501.
4.62	0.	6.07	0.	7.51	310.
4.70	0.	6.15	0.	7.59	146.
4.78	0.	6.23	0.	7.67	54.

CALIF. DELTA TEST NO. 3
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 11

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: THE "BEAN PCT" ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0441-0450

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
7.76	5.	9.20	0.
7.84	3.	9.28	0.
7.92	1.	9.36	0.
8.00	0.	9.44	0.
8.08	0.	9.53	0.
8.16	0.		
8.24	0.		
8.32	0.		
8.40	0.		
8.48	0.		
8.56	0.		
8.64	0.		
8.72	0.		
8.80	0.		
8.88	0.		
8.96	0.		
9.04	0.		
9.12	0.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 12

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE OF SAN JOAQUIN RIVER ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/05/76 TIME (PDT): 0502-0511

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
3.11	0.	6.00	0.	8.90	2.
3.27	0.	6.16	0.	9.06	0.
3.43	0.	6.32	4.	9.22	0.
3.59	0.	6.48	1566.	9.38	0.
3.75	0.	6.65	2261.	9.54	0.
3.91	0.	6.81	587.	9.70	0.
4.07	0.	6.97	212.	9.86	0.
4.23	0.	7.13	102.	10.02	0.
4.39	0.	7.29	30.	10.18	1.
4.55	0.	7.45	2.	10.35	1.
4.71	0.	7.61	1.	10.51	0.
4.88	0.	7.77	2.	10.67	4.
5.04	0.	7.93	2.		
5.20	0.	8.09	0.		
5.36	0.	8.25	1.		
5.52	0.	8.42	1.		
5.68	0.	8.58	2.		
5.84	0.	8.74	1.		

CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 13

TRAVERSE ROUTE: EAST ON HWY 12

STARTING POINT: TERMINCUS CA HWY 12

DATE: 9/05/76 TIME (PDT): 0630-0637

DISTANCE	SF6
(KM)	(PPT)

0.0	12.
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0.48	8.
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0.97	7.
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1.45	6.
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1.93	5.
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2.41	25.
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2.90	5.
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3.38	8.
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3.86	6.
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4.34	10.
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4.83	57.
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5.31	9.
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5.79	10.
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6.28	18.
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6.76	12.
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7.24	24.
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7.72	78.
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8.21	28.
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CALIF. DELTA TEST NO. 3

AUTO TRAVERSE NO. 14

TRAVERSE ROUTE: NORTH ON RT J8

STARTING POINT: JUNC. HWY 12 AND J8

DATE: 9/05/76 TIME (PDT): 0637-0647

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	106.	14.48	5.
0.80	94.		
1.61	173.		
2.41	141.		
3.22	96.		
4.02	123.		
4.83	62.		
5.63	59.		
6.44	30.		
7.24	31.		
8.04	29.		
8.85	10.		
9.65	29.		
10.46	8.		
11.26	7.		
12.07	1.		
12.87	34.		
13.68	4.		

CALIF. DELTA TEST NO. 4

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/06/76 TIME (PCT): 1928-1946

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	5.79	0.	11.58	0.
0.32	0.	6.11	0.	11.91	0.
0.64	0.	6.44	0.	12.23	0.
0.97	0.	6.76	0.	12.55	0.
1.29	0.	7.08	873.	12.87	0.
1.61	0.	7.40	414.	13.19	0.
1.93	0.	7.72	45.	13.52	0.
2.25	0.	8.04	0.	13.84	0.
2.57	0.	8.37	0.	14.16	0.
2.90	0.	8.69	0.	14.48	0.
3.22	0.	9.01	0.	14.80	0.
3.54	0.	9.33	0.	15.12	0.
3.86	0.	9.65	0.	15.45	0.
4.18	0.	9.98	0.	15.77	0.
4.51	0.	10.30	0.	16.09	0.
4.83	2.	10.62	0.	16.41	0.
5.15	0.	10.94	0.	16.73	0.
5.47	0.	11.26	0.	17.06	0.

CALIF. DELTA TEST NO. 4
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/06/76 TIME (PDT): 1928-1946

DISTANCE	SF6
(KM)	(PPT)

17.38	0.
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17.70	0.
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18.02	0.
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18.34	0.
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18.66	0.
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CALIF. DELTA TEST NO. 4

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/06/76 TIME (PDT): 2130-2217

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	708.	28.96	0.
0.80	0.	15.29	746.	29.77	0.
1.61	0.	16.09	592.	30.57	0.
2.41	0.	16.89	546.	31.38	0.
3.22	0.	17.70	385.	32.18	0.
4.02	0.	18.50	286.	32.98	0.
4.83	0.	19.31	190.	33.79	0.
5.63	0.	20.11	169.	34.59	0.
6.44	0.	20.92	37.	35.40	0.
7.24	0.	21.72	29.	36.20	0.
8.04	6.	22.53	0.	37.01	0.
8.85	16.	23.33	5.	37.81	0.
9.65	46.	24.13	0.	38.62	0.
10.46	47.	24.94	0.	39.42	0.
11.26	20.	25.74	0.	40.22	0.
12.07	92.	26.55	0.	41.03	0.
12.87	227.	27.35	0.	41.83	0.
13.68	563.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 4
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: SOUTH CN HWY 99, WEST CN HWY 120, I205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/06/76 TIME (PDT): 2130-2217

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	0.	59.53	0.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	0.
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 4

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: THE "BEAN PCT" ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/06/76 TIME (PDT): 2132-2140

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
3.17	0.	4.62	0.	6.07	57.
3.25	0.	4.70	0.	6.15	18.
3.33	0.	4.78	0.	6.23	13.
3.41	0.	4.86	0.	6.31	3.
3.49	0.	4.94	0.	6.39	7.
3.57	0.	5.02	0.	6.47	3.
3.65	0.	5.10	0.	6.55	19.
3.73	0.	5.18	0.	6.63	82.
3.81	0.	5.26	3.	6.71	196.
3.89	0.	5.34	25.	6.79	334.
3.97	0.	5.42	0.	6.87	429.
4.05	0.	5.50	2.	6.95	2812.
4.14	0.	5.58	3.	7.03	7243.
4.22	0.	5.66	1.	7.11	10569.
4.30	0.	5.74	7.	7.19	9905.
4.38	0.	5.82	14.	7.27	8432.
4.46	0.	5.90	15.	7.35	6828.
4.54	0.	5.99	56.	7.43	2768.

CALIF. DELTA TEST NO. 4
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: THE "BEAN PCT" ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/06/76 TIME (PDT): 2132-2140

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
7.51	1231.	8.96	0.
7.59	758.	9.04	0.
7.67	908.	9.12	0.
7.76	276.	9.20	0.
7.84	34.	9.28	0.
7.92	0.	9.36	0.
8.00	0.	9.44	0.
8.08	0.	9.53	0.
8.16	0.		
8.24	0.		
8.32	0.		
8.40	0.		
8.48	0.		
8.56	0.		
8.64	0.		
8.72	0.		
8.80	0.		
8.88	0.		

CALIF. DELTA TEST NO. 4

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: SOUTH CN HWY 99, WEST CN HWY 120, 1205

STARTING POINT: JUNC. HWY 12 (KETTLEMAN LANE) AND HWY 99

DATE: 9/06/76 TIME (PDT): 2200-2246

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	280.	28.96	0.
0.80	0.	15.29	628.	29.77	0.
1.61	0.	16.09	555.	30.57	0.
2.41	0.	16.89	563.	31.38	0.
3.22	0.	17.70	478.	32.18	0.
4.02	0.	18.50	525.	32.98	0.
4.83	0.	19.31	354.	33.79	0.
5.63	0.	20.11	104.	34.59	0.
6.44	0.	20.92	22.	35.40	0.
7.24	0.	21.72	12.	36.20	0.
8.04	0.	22.53	7.	37.01	0.
8.85	3.	23.33	0.	37.81	0.
9.65	6.	24.13	0.	38.62	0.
10.46	19.	24.94	0.	39.42	0.
11.26	39.	25.74	0.	40.22	0.
12.07	52.	26.55	0.	41.03	0.
12.87	128.	27.35	0.	41.83	0.
13.68	108.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 4
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, 1205

STARTING POINT: JUNC. HWY 12 (KETTLEMAN LANE) AND HWY 99

DATE: 9/06/76 TIME (PCT): 2200-2246

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	0.	59.53	0.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	0.
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 4

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE OF SAN JOAQUIN RIVER ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/06/76 TIME (PDT): 2214-2222

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
3.11	0.	4.55	0.	6.00	16.
3.19	0.	4.63	0.	6.08	3.
3.27	0.	4.71	0.	6.16	0.
3.35	0.	4.79	0.	6.24	196.
3.43	0.	4.88	0.	6.32	2313.
3.51	0.	4.96	0.	6.40	8362.
3.59	0.	5.04	0.	6.48	11897.
3.67	0.	5.12	0.	6.56	8955.
3.75	0.	5.20	0.	6.65	5701.
3.83	0.	5.28	0.	6.73	2068.
3.91	0.	5.36	0.	6.81	983.
3.99	0.	5.44	0.	6.89	309.
4.07	0.	5.52	0.	6.97	95.
4.15	0.	5.60	0.	7.05	27.
4.23	0.	5.68	0.	7.13	20.
4.31	0.	5.76	0.	7.21	7.
4.39	0.	5.84	0.	7.29	0.
4.47	0.	5.92	0.	7.37	0.

CALIF. DELTA TEST NO. 4
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE OF SAN JOAQUIN RIVER ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/06/76 TIME (PDT): 2214-2222

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
7.45	5.	8.90	0.
7.53	0.	8.98	0.
7.61	0.	9.06	0.
7.69	0.	9.14	0.
7.77	0.	9.22	0.
7.85	0.	9.30	0.
7.93	0.	9.38	0.
8.01	0.		
8.09	0.		
8.17	0.		
8.25	0.		
8.33	0.		
8.42	0.		
8.50	0.		
8.58	0.		
8.66	0.		
8.74	0.		
8.82	0.		

CALIF. DELTA TEST NO. 4

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. TRACY BLVD. AND I205

DATE: 9/06/76 TIME (PCT): 2232-2320

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	22.
2.41	0.	16.89	0.	31.38	25.
3.22	0.	17.70	0.	32.18	48.
4.02	0.	18.50	0.	32.98	67.
4.83	0.	19.31	0.	33.79	73.
5.63	0.	20.11	0.	34.59	84.
6.44	0.	20.92	0.	35.40	312.
7.24	0.	21.72	0.	36.20	437.
8.04	0.	22.53	0.	37.01	488.
8.85	0.	23.33	0.	37.81	553.
9.65	0.	24.13	0.	38.62	462.
10.46	0.	24.94	0.	39.42	390.
11.26	0.	25.74	0.	40.22	278.
12.07	0.	26.55	0.	41.03	169.
12.87	0.	27.35	0.	41.83	116.
13.68	0.	28.16	0.	42.64	49.

CALIF. DELTA TEST NO. 4
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. TRACY BLVD. AND I205

DATE: 9/06/76 TIME (PDT): 2232-2320

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	44.	57.92	0.
44.25	119.	58.73	0.
45.05	89.	59.53	0.
45.86	154.	60.34	0.
46.66	51.	61.14	0.
47.47	30.	61.95	0.
48.27	5.	62.75	0.
49.07	0.	63.55	0.
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 4

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: 1.4 MI. E. OF JUNC. PATTERSON PASS RD. AND I205

DATE: 9/06/76 TIME (PDT): 2315-2400

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	2.	16.09	0.	30.57	6.
2.41	1.	16.89	0.	31.38	55.
3.22	0.	17.70	0.	32.18	67.
4.02	0.	18.50	0.	32.98	74.
4.83	0.	19.31	0.	33.79	57.
5.63	0.	20.11	0.	34.59	65.
6.44	0.	20.92	0.	35.40	553.
7.24	7.	21.72	0.	36.20	115.
8.04	0.	22.53	0.	37.01	188.
8.85	0.	23.33	0.	37.81	213.
9.65	0.	24.13	0.	38.62	264.
10.46	0.	24.94	3.	39.42	341.
11.26	0.	25.74	6.	40.22	267.
12.07	0.	26.55	24.	41.03	276.
12.87	0.	27.35	3.	41.83	264.
13.68	0.	28.16	0.	42.64	149.

CALIF. DELTA TEST NO. 4
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: 1.4 MI. E. OF JUNC. PATTERSON PASS RD. AND I205

DATE: 9/06/76 TIME (PDT): 2315-2400

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	102.	57.92	0.
44.25	377.	58.73	0.
45.05	334.	59.53	0.
45.86	152.	60.34	0.
46.66	74.	61.14	0.
47.47	32.	61.95	0.
48.27	8.	62.75	0.
49.07	0.	63.55	0.
49.88	0.		
50.68	4.		
51.49	1.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 5

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: EAST ON HWY 4

STARTING POINT: JUNC. RAILROAD AVENUE AND HWY 4

DATE: 9/09/76 TIME (PDT): 1255-1315

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
4.83	0.	7.72	0.	10.62	6.
4.99	0.	7.88	0.	10.78	29.
5.15	0.	8.04	0.	10.94	30.
5.31	0.	8.21	0.	11.10	16.
5.47	0.	8.37	0.	11.26	20.
5.63	0.	8.53	0.	11.42	27.
5.79	0.	8.69	0.	11.58	21.
5.95	0.	8.85	0.	11.75	98.
6.11	0.	9.01	0.	11.91	801.
6.28	0.	9.17	0.	12.07	471.
6.44	0.	9.33	0.	12.23	635.
6.60	0.	9.49	0.	12.39	228.
6.76	0.	9.65	0.	12.55	217.
6.92	0.	9.81	0.	12.71	298.
7.08	0.	9.98	0.	12.87	333.
7.24	0.	10.14	0.	13.03	202.
7.40	0.	10.30	4.	13.19	297.
7.56	0.	10.46	7.	13.35	256.

CALIF. DELTA TEST NO. 5
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: EAST ON HWY 4

STARTING POINT: JUNC. RAILROAD AVENUE AND HWY 4

DATE: 9/09/76 TIME (PDT): 1255-1315

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
13.52	192.	16.41	1.	19.31	0.
13.68	103.	16.57	0.	19.47	0.
13.84	95.	16.73	3.	19.63	0.
14.00	50.	16.89	3.	19.79	0.
14.16	41.	17.06	0.		
14.32	44.	17.22	0.		
14.48	0.	17.38	0.		
14.64	3.	17.54	0.		
14.80	2.	17.70	0.		
14.96	0.	17.86	0.		
15.12	0.	18.02	0.		
15.29	0.	18.18	0.		
15.45	3.	18.34	0.		
15.61	6.	18.50	2.		
15.77	3.	18.66	0.		
15.93	1.	18.83	0.		
16.09	0.	18.99	0.		
16.25	0.	19.15	0.		

CALIF. DELTA TEST NO. 5

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: EAST ON HWY 4, NORTH ON HWY 160

STARTING POINT: JUNC. RAILROAD AVENUE AND HWY 4

DATE: 9/09/76 TIME (PDT): 1314-1330

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	1.	5.79	0.	11.58	9.
0.32	0.	6.11	0.	11.91	9.
0.64	0.	6.44	0.	12.23	8.
0.97	0.	6.76	16.	12.55	16.
1.29	0.	7.08	5.	12.87	4.
1.61	0.	7.40	9.	13.19	0.
1.93	0.	7.72	96.	13.52	0.
2.25	0.	8.04	178.	13.84	0.
2.57	0.	8.37	528.	14.16	0.
2.90	0.	8.69	254.	14.48	0.
3.22	0.	9.01	445.	14.80	0.
3.54	0.	9.33	231.	15.12	0.
3.86	0.	9.65	232.	15.45	0.
4.18	0.	9.98	100.	15.77	0.
4.51	0.	10.30	57.	16.09	0.
4.83	1.	10.62	0.	16.41	0.
5.15	0.	10.94	14.	16.73	0.
5.47	0.	11.26	6.	17.06	0.

CALIF. DELTA TEST NO. 5
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: EAST ON HWY 4, NORTH ON HWY 160

STARTING POINT: JUNC. RAILROAD AVENUE AND HWY 4

DATE: 9/09/76 TIME (PDT): 1314-1330

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
17.38	2.	23.17	0.
17.70	0.	23.49	0.
18.02	0.	23.81	0.
18.34	0.	24.13	0.
18.66	0.	24.46	0.
18.99	0.	24.78	0.
19.31	0.	25.10	0.
19.63	0.	25.42	0.
19.95	0.		
20.27	0.		
20.60	0.		
20.92	0.		
21.24	0.		
21.56	0.		
21.88	0.		
22.20	0.		
22.53	0.		
22.85	0.		

CALIF. DELTA TEST NO. 5

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: N SELLERS RD, E CYPRESS RD, N BETHEL ISLAND RD

STARTING POINT: JUNC. HWY 4 AND SELLERS RD

DATE: 9/09/76 TIME (PDT): 1349-1417

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	7.24	0.	14.48	0.
0.40	0.	7.64	0.	14.88	0.
0.80	0.	8.04	0.		
1.21	0.	8.45	0.		
1.61	0.	8.85	0.		
2.01	0.	9.25	0.		
2.41	0.	9.65	0.		
2.82	0.	10.06	0.		
3.22	0.	10.46	0.		
3.62	0.	10.86	0.		
4.02	0.	11.26	0.		
4.42	0.	11.67	0.		
4.83	0.	12.07	0.		
5.23	0.	12.47	0.		
5.63	0.	12.87	0.		
6.03	0.	13.27	0.		
6.44	1.	13.68	0.		
6.84	0.	14.08	0.		

CALIF. DELTA TEST NO. 5

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: EAST CN BALFOUR ROAD

STARTING POINT: JUNC. DEER VALLEY RD AND BALFOUR RD

DATE: 9/09/76 TIME (PDT): 1351-1405

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
0.0	88.	8.69	0.
0.48	89.	9.17	0.
0.97	138.		
1.45	125.		
1.93	131.		
2.41	136.		
2.90	66.		
3.38	10.		
3.86	14.		
4.34	7.		
4.83	5.		
5.31	3.		
5.79	6.		
6.28	0.		
6.76	0.		
7.24	0.		
7.72	0.		
8.21	0.		

CALIF. DELTA TEST NO. 5

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: EAST ON MARSH CREEK ROAD

STARTING POINT: JUNC. DEER VALLEY RD AND MARSH CREEK RD

DATE: 9/09/76 TIME (PDT): 1356-1428

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	70.	8.69	0.	17.38	0.
0.48	74.	9.17	0.	17.86	0.
0.97	74.	9.65	0.	18.34	0.
1.45	78.	10.14	0.	18.83	0.
1.93	97.	10.62	0.	19.31	0.
2.41	90.	11.10	0.	19.79	0.
2.90	108.	11.58	0.	20.27	0.
3.38	107.	12.07	2.	20.76	0.
3.86	16.	12.55	0.	21.24	1.
4.34	13.	13.03	0.	21.72	0.
4.83	9.	13.52	0.	22.20	0.
5.31	7.	14.00	0.	22.69	0.
5.79	13.	14.48	0.	23.17	0.
6.28	10.	14.96	0.	23.65	0.
6.76	2.	15.45	0.	24.13	0.
7.24	4.	15.93	0.	24.62	0.
7.72	2.	16.41	1.	25.10	0.
8.21	1.	16.89	0.	25.58	0.

CALIF. DELTA TEST NO. 5
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: EAST ON MARSH CREEK ROAD

STARTING POINT: JUNC. DEER VALLEY RD AND MARSH CREEK RD

DATE: 9/09/76 TIME (PDT): 1356-1428

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
26.07	0.	34.75	0.
26.55	0.	35.24	0.
27.03	0.	35.72	0.
27.51	0.		
28.00	0.		
28.48	0.		
28.96	0.		
29.44	0.		
29.93	0.		
30.41	0.		
30.89	0.		
31.38	0.		
31.86	0.		
32.34	0.		
32.82	0.		
33.31	0.		
33.79	0.		
34.27	0.		

CALIF. DELTA TEST NO. 5

AUTC TRAVERSE NO. 6

TRAVERSE ROUTE: SOUTH ON HWY 160, WEST ON HWY 4

STARTING POINT: JUNC. TWITCHELL ISLAND RD AND HWY 160

DATE: 9/09/76 TIME (PDT): 1359-1416

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	5.79	0.	11.58	75.
0.32	0.	6.11	0.	11.91	228.
0.64	0.	6.44	0.	12.23	211.
0.97	0.	6.76	0.	12.55	155.
1.29	0.	7.08	0.	12.87	223.
1.61	0.	7.40	0.	13.19	95.
1.93	0.	7.72	0.	13.52	294.
2.25	0.	8.04	0.	13.84	405.
2.57	0.	8.37	0.	14.16	163.
2.90	0.	8.69	0.	14.48	101.
3.22	0.	9.01	0.	14.80	87.
3.54	0.	9.33	10.	15.12	64.
3.86	0.	9.65	3.	15.45	110.
4.18	0.	9.98	6.	15.77	109.
4.51	0.	10.30	7.	16.09	112.
4.83	0.	10.62	11.	16.41	160.
5.15	0.	10.94	21.	16.73	213.
5.47	0.	11.26	30.	17.06	351.

CALIF. DELTA TEST NO. 5
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: SOUTH ON HWY 160, WEST ON HWY 4

STARTING POINT: JUNC. TWITCHELL ISLAND RD AND HWY 160

DATE: 9/09/76 TIME (PDT): 1359-1416

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
17.38	342.	23.17	0.
17.70	363.	23.49	0.
18.02	434.	23.81	0.
18.34	445.	24.13	0.
18.66	241.	24.46	0.
18.99	121.	24.78	0.
19.31	96.	25.10	0.
19.63	18.	25.42	0.
19.95	3.		
20.27	0.		
20.60	0.		
20.92	0.		
21.24	0.		
21.56	0.		
21.88	0.		
22.20	0.		
22.53	0.		
22.85	0.		

CALIF. DELTA TEST NO. 5

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: EAST ON BALFOUR ROAD

STARTING POINT: JUNC. DEER VALLEY RD AND BALFOUR RD

DATE: 9/09/76 TIME (PDT): 1436-1450

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	6.	8.69	5.
0.48	6.	9.17	4.
0.97	4.	9.65	0.
1.45	6.	10.14	0.
1.93	54.	10.62	0.
2.41	60.	11.10	0.
2.90	78.	11.58	0.
3.38	157.	12.07	0.
3.86	183.		
4.34	182.		
4.83	59.		
5.31	44.		
5.79	43.		
6.28	38.		
6.76	27.		
7.24	20.		
7.72	20.		
8.21	10.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTHWEST ON SHERMAN ISLAND ROAD

STARTING POINT: JUNC. HWY 160 AND SHERMAN ISLAND ROAD

DATE: 9/10/76 TIME (PDT): 0800-0810

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	2.90	0.	5.79	0.
0.16	0.	3.06	0.		
0.32	0.	3.22	2.		
0.48	0.	3.38	0.		
0.64	0.	3.54	0.		
0.80	0.	3.70	0.		
0.97	0.	3.86	0.		
1.13	3.	4.02	0.		
1.29	1.	4.18	0.		
1.45	0.	4.34	0.		
1.61	31.	4.51	0.		
1.77	9526.	4.67	0.		
1.93	476.	4.83	0.		
2.09	41.	4.99	0.		
2.25	7.	5.15	0.		
2.41	0.	5.31	0.		
2.57	0.	5.47	0.		
2.74	0.	5.63	0.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/10/76 TIME (PDT): 0740-0753

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
2.70	0.	5.60	0.	8.50	0.
2.86	0.	5.76	0.	8.66	0.
3.02	0.	5.92	2.	8.82	0.
3.19	0.	6.08	3.	8.98	0.
3.35	0.	6.24	243.	9.14	0.
3.51	0.	6.40	6951.	9.30	0.
3.67	0.	6.56	7981.	9.46	0.
3.83	0.	6.73	652.	9.62	0.
3.99	0.	6.89	54.	9.78	0.
4.15	0.	7.05	7.	9.94	0.
4.31	0.	7.21	0.	10.10	2.
4.47	0.	7.37	1.	10.27	3.
4.63	0.	7.53	0.	10.43	0.
4.79	0.	7.69	0.	10.59	0.
4.96	0.	7.85	0.	10.75	0.
5.12	0.	8.01	0.	10.91	0.
5.28	0.	8.17	0.	11.07	0.
5.44	0.	8.33	0.	11.23	0.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: SOUTH ON HWY 160

STARTING POINT: JUNC. HWY 12 AND HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/10/76 TIME (PDT): 0740-0753

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
11.39	0.	14.29	0.	17.18	0.
11.55	0.	14.45	0.	17.34	0.
11.71	0.	14.61	0.	17.51	0.
11.87	0.	14.77	0.	17.67	0.
12.04	0.	14.93	0.	17.83	0.
12.20	0.	15.09	0.	17.99	0.
12.36	0.	15.25	0.	18.15	0.
12.52	0.	15.41	0.	18.31	0.
12.68	0.	15.58	0.	18.47	0.
12.84	0.	15.74	0.	18.63	0.
13.00	0.	15.90	0.		
13.16	0.	16.06	0.		
13.32	0.	16.22	0.		
13.48	0.	16.38	0.		
13.64	0.	16.54	0.		
13.81	0.	16.70	0.		
13.97	0.	16.86	0.		
14.13	0.	17.02	0.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/10/76 TIME (PDT): 1001-1051

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	1.
5.63	0.	20.11	0.	34.59	2.
6.44	0.	20.92	0.	35.40	2.
7.24	0.	21.72	0.	36.20	2.
8.04	0.	22.53	0.	37.01	14.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.	39.42	0.
11.26	0.	25.74	0.	40.22	0.
12.07	0.	26.55	0.	41.03	1.
12.87	0.	27.35	0.	41.83	2.
13.68	0.	28.16	0.	42.64	2.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, 1205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/10/76 TIME (PDT): 1001-1051

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPI)	(KM)	(PPI)
43.44	0.	57.92	9.
44.25	0.	58.73	11.
45.05	0.	59.53	20.
45.86	0.	60.34	4.
46.66	5.	61.14	0.
47.47	1.	61.95	5.
48.27	0.	62.75	2.
49.07	0.	63.55	3.
49.88	2.		
50.68	0.		
51.49	3.		
52.29	4.		
53.10	5.		
53.90	10.		
54.71	11.		
55.51	10.		
56.31	9.		
57.12	6.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: SOUTH ON SHERMAN LEVEE RD

STARTING POINT: JUNC. HWY 160 AND SHERMAN LEVEE RD

DATE: 9/10/76 TIME (PDT): 1023-1033

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	2.90	0.	5.79	435.
0.16	0.	3.06	0.	5.95	3739.
0.32	0.	3.22	0.	6.11	3327.
0.48	0.	3.38	0.	6.28	868.
0.64	0.	3.54	0.	6.44	1034.
0.80	0.	3.70	0.	6.60	428.
0.97	0.	3.86	0.	6.76	312.
1.13	0.	4.02	0.	6.92	169.
1.29	0.	4.18	0.	7.08	27.
1.45	0.	4.34	0.	7.24	19.
1.61	0.	4.51	0.	7.40	10.
1.77	0.	4.67	0.	7.56	0.
1.93	0.	4.83	0.	7.72	3.
2.09	0.	4.99	0.	7.88	0.
2.25	0.	5.15	0.	8.04	0.
2.41	0.	5.31	4.	8.21	0.
2.57	0.	5.47	11.	8.37	2.
2.74	0.	5.63	37.	8.53	0.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: SOUTH ON SHERMAN LEVEE RD

STARTING POINT: JUNC. HWY 160 AND SHERMAN LEVEE RD

DATE: 9/10/76 TIME (PDT): 1023-1033

DISTANCE SF6
(KM) (PPT)

8.69 0.

8.85 0.

9.01 0.

9.17 0.

9.33 0.

9.49 0.

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/10/76 TIME (PDT): 1030-1115

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.56	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	0.
7.24	0.	21.72	0.	36.20	0.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.	39.42	2.
11.26	0.	25.74	0.	40.22	0.
12.07	0.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTC TRAVERSE NO. 5

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST ON HWY 120, I205

STARTING POINT: JUNC. HWY 12 AND HWY 99

DATE: 9/10/76 TIME (PCT): 1030-1115

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	7.
44.25	0.	58.73	10.
45.05	0.	59.53	11.
45.86	0.	60.34	9.
46.66	0.	61.14	11.
47.47	0.	61.95	9.
48.27	0.	62.75	9.
49.07	0.	63.55	7.
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	4.		
54.71	2.		
55.51	6.		
56.31	6.		
57.12	6.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE, SAN JOAQUIN RIVER BRIDGE ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/10/76 TIME (PCT): 1022-1033

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
3.11	0.	4.55	0.	6.00	0.
3.19	0.	4.63	0.	6.08	0.
3.27	0.	4.71	0.	6.16	0.
3.35	0.	4.79	0.	6.24	0.
3.43	0.	4.88	0.	6.32	0.
3.51	0.	4.96	0.	6.40	0.
3.59	0.	5.04	0.	6.48	0.
3.67	0.	5.12	0.	6.56	0.
3.75	0.	5.20	0.	6.65	0.
3.83	0.	5.28	0.	6.73	0.
3.91	0.	5.36	0.	6.81	2.
3.99	0.	5.44	0.	6.89	7.
4.07	0.	5.52	0.	6.97	5.
4.15	0.	5.60	1.	7.05	14.
4.23	0.	5.68	0.	7.13	19.
4.31	0.	5.76	0.	7.21	111.
4.39	0.	5.84	0.	7.29	109.
4.47	0.	5.92	0.	7.37	505.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: NORTH CN HWY 160

STARTING POINT: NORTH SIDE, SAN JOAQUIN RIVER BRIDGE ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/10/76 TIME (PDT): 1022-1033

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
7.45	880.	8.90	0.
7.53	2717.	8.98	0.
7.61	5954.	9.06	0.
7.69	4902.	9.14	0.
7.77	1054.	9.22	0.
7.85	240.	9.30	0.
7.93	99.	9.38	0.
8.01	20.	9.46	0.
8.09	17.		
8.17	10.		
8.25	8.		
8.33	7.		
8.42	4.		
8.50	0.		
8.58	0.		
8.66	0.		
8.74	0.		
8.82	0.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE, SAN JOAQUIN RIVER BRIDGE ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/10/76 TIME (PDT): 1103-1112

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
3.11	0.	4.55	0.	6.00	0.
3.19	0.	4.63	0.	6.08	0.
3.27	0.	4.71	0.	6.16	0.
3.35	0.	4.79	0.	6.24	2.
3.43	0.	4.88	0.	6.32	0.
3.51	0.	4.96	0.	6.40	0.
3.59	0.	5.04	0.	6.48	0.
3.67	0.	5.12	0.	6.56	0.
3.75	0.	5.20	0.	6.65	0.
3.83	0.	5.28	0.	6.73	0.
3.91	0.	5.36	0.	6.81	3.
3.99	0.	5.44	0.	6.89	3.
4.07	0.	5.52	0.	6.97	1.
4.15	0.	5.60	0.	7.05	4.
4.23	0.	5.68	0.	7.13	20.
4.31	0.	5.76	0.	7.21	617.
4.39	0.	5.84	0.	7.29	2681.
4.47	0.	5.92	0.	7.37	4453.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: NORTH ON HWY 160

STARTING POINT: NORTH SIDE, SAN JOAQUIN RIVER BRIDGE ON HWY 160

DATA ARE LISTED BY DISTANCE NORTH OF HWY 4 & HWY 160 JUNC.

DATE: 9/10/76 TIME (PDT): 1103-1112

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
7.45	6798.	8.90	262.
7.53	7155.	8.98	202.
7.61	6327.	9.06	275.
7.69	3978.	9.14	200.
7.77	2786.	9.22	233.
7.85	1027.	9.30	209.
7.93	477.	9.38	154.
8.01	524.	9.46	158.
8.09	424.		
8.17	110.		
8.25	76.		
8.33	175.		
8.42	147.		
8.50	164.		
8.58	278.		
8.66	229.		
8.74	196.		
8.82	259.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: 1.5 MI EAST OF PATTERSON PASS RD AND I205 JUNC.

DATE: 9/10/76 TIME (PDT): 1105-1203

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	1.	14.48	0.	28.96	2.
0.80	4.	15.29	0.	29.77	0.
1.61	12.	16.09	2.	30.57	0.
2.41	7.	16.89	0.	31.38	0.
3.22	5.	17.70	0.	32.18	0.
4.02	10.	18.50	0.	32.98	0.
4.83	10.	19.31	0.	33.79	0.
5.63	9.	20.11	0.	34.59	0.
6.44	7.	20.92	0.	35.40	0.
7.24	7.	21.72	0.	36.20	0.
8.04	8.	22.53	0.	37.01	0.
8.85	3.	23.33	0.	37.81	0.
9.65	1.	24.13	0.	38.62	0.
10.46	3.	24.94	0.	39.42	0.
11.26	0.	25.74	0.	40.22	0.
12.07	2.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: 1.5 MI EAST OF PATTERSON PASS RD AND I205 JUNC.

DATE: 9/10/76 TIME (PDT): 1105-1203

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	0.	59.53	0.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	1.
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	0.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 6

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. TRACY BLVD AND I205

DATE: 9/10/76 TIME (PDT): 1145-1230

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	9.	14.48	0.	28.96	0.
0.80	10.	15.29	0.	29.77	0.
1.61	2.	16.09	0.	30.57	0.
2.41	2.	16.89	0.	31.38	0.
3.22	1.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	0.
7.24	0.	21.72	0.	36.20	0.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	2.	38.62	0.
10.46	0.	24.94	0.	39.42	0.
11.26	0.	25.74	0.	40.22	0.
12.07	0.	26.55	0.	41.03	0.
12.87	0.	27.35	0.	41.83	0.
13.68	0.	28.16	0.	42.64	0.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: EAST ON I205, HWY 120, NORTH ON HWY 99

STARTING POINT: JUNC. TRACY BLVD AND I205

DATE: 9/10/76 TIME (PCT): 1145-1230

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
43.44	0.	57.92	0.
44.25	0.	58.73	0.
45.05	0.	59.53	0.
45.86	0.	60.34	0.
46.66	0.	61.14	0.
47.47	0.	61.95	0.
48.27	0.	62.75	0.
49.07	0.	63.55	0.
49.88	0.		
50.68	0.		
51.49	0.		
52.29	0.		
53.10	0.		
53.90	0.		
54.71	0.		
55.51	1.		
56.31	0.		
57.12	0.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: EAST ON HWY 24, NORTH CN I680, I780

STARTING POINT: JUNC. HWY 13 AND HWY 24

DATE: 9/13/76 TIME (PDT): 0924-0956

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	8.69	0.	17.38	1.
0.48	0.	9.17	5.	17.86	0.
0.97	0.	9.65	4.	18.34	0.
1.45	0.	10.14	0.	18.83	2.
1.93	0.	10.62	2.	19.31	2.
2.41	0.	11.10	0.	19.79	0.
2.90	0.	11.58	4.	20.27	0.
3.38	2.	12.07	0.	20.76	0.
3.86	0.	12.55	0.	21.24	0.
4.34	0.	13.03	4.	21.72	0.
4.83	0.	13.52	0.	22.20	2.
5.31	0.	14.00	0.	22.69	0.
5.79	0.	14.48	2.	23.17	0.
6.28	4.	14.96	0.	23.65	0.
6.76	0.	15.45	0.	24.13	0.
7.24	0.	15.93	0.	24.62	0.
7.72	3.	16.41	0.	25.10	0.
8.21	0.	16.89	0.	25.58	0.

CALIF. DELTA TEST NC. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: EAST ON HWY 24, NORTH CN I680, I780

STARTING POINT: JUNC. HWY 13 AND HWY 24

DATE: 9/13/76 TIME (PDT): 0924-0956

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
26.07	0.	34.75	596.	43.44	371.
26.55	3.	35.24	502.	43.93	308.
27.03	0.	35.72	364.	44.41	115.
27.51	0.	36.20	213.	44.89	70.
28.00	0.	36.69	255.	45.37	13.
28.48	8.	37.17	251.	45.86	4.
28.96	3.	37.65	268.	46.34	1.
29.44	4.	38.13	202.	46.82	0.
29.93	0.	38.62	249.	47.30	0.
30.41	2.	39.10	268.	47.79	0.
30.89	4.	39.58	311.	48.27	0.
31.38	5.	40.06	424.		
31.86	163.	40.55	368.		
32.34	440.	41.03	502.		
32.82	582.	41.51	255.		
33.31	551.	41.99	327.		
33.79	614.	42.48	204.		
34.27	571.	42.96	266.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: NORTHEAST CN SHERMAN ISLAND RD

STARTING POINT: SOUTH END OF SHERMAN ISLAND RD

DATE: 9/13/76 TIME (PCT): 0940-1100

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	2.	1.45	2.	2.90	0.
0.08	0.	1.53	2.	2.98	1.
0.16	3.	1.61	3.	3.06	0.
0.24	5.	1.69	6.	3.14	0.
0.32	2.	1.77	4.	3.22	1.
0.40	2.	1.85	2.	3.30	0.
0.48	8.	1.93	2.	3.38	0.
0.56	2.	2.01	1.	3.46	0.
0.64	2.	2.09	0.	3.54	0.
0.72	1.	2.17	1.	3.62	0.
0.80	2.	2.25	0.	3.70	0.
0.88	2.	2.33	0.	3.78	0.
0.97	2.	2.41	0.	3.86	0.
1.05	8.	2.49	0.	3.94	2.
1.13	4.	2.57	0.	4.02	2.
1.21	2.	2.65	0.	4.10	2.
1.29	2.	2.74	0.	4.18	0.
1.37	2.	2.82	0.	4.26	0.

CALIF. DELTA TEST NO. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: NORTHEAST CN SHERMAN ISLAND RD

STARTING POINT: SOUTH END OF SHERMAN ISLAND RD

DATE: 9/13/76 TIME (PDT): 0940-1100

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
4.34	0.	5.79	0.
4.42	0.	5.87	0.
4.51	0.	5.95	0.
4.59	0.	6.03	0.
4.67	0.	6.11	0.
4.75	0.	6.19	0.
4.83	0.	6.28	0.
4.91	0.	6.36	0.
4.99	0.	6.44	7.
5.07	0.	6.52	8.
5.15	0.	6.60	6.
5.23	0.	6.68	9.
5.31	0.	6.76	9.
5.39	0.	6.84	10.
5.47	0.	6.92	8.
5.55	0.	7.00	11.
5.63	2.		
5.71	0.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: NORTHEAST CN SHERMAN ISLAND RD

STARTING PCINT: SCUTH END CF SHERMAN ISLAND RD

DATE: 9/13/76 TIME (PDT): 0940-1100

DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)
0.0	0.	1.45	5063.	2.90	0.
0.08	0.	1.53	5158.	2.98	0.
0.16	0.	1.61	6203.	3.06	0.
0.24	0.	1.69	12140.	3.14	0.
0.32	0.	1.77	6214.	3.22	0.
0.40	0.	1.85	104.	3.30	0.
0.48	0.	1.93	124.	3.38	0.
0.56	194.	2.01	0.	3.46	0.
0.64	57.	2.09	0.	3.54	0.
0.72	0.	2.17	0.	3.62	0.
0.80	198.	2.25	0.	3.70	0.
0.88	636.	2.33	0.	3.78	0.
0.97	1207.	2.41	0.	3.86	0.
1.05	4650.	2.49	0.	3.94	0.
1.13	2138.	2.57	0.	4.02	332.
1.21	2017.	2.65	0.	4.10	0.
1.29	2606.	2.74	0.	4.18	0.
1.37	2130.	2.82	0.	4.26	0.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: NORTHEAST ON SHERMAN ISLAND RD

STARTING POINT: SOUTH END OF SHERMAN ISLAND RD

DATE: 9/13/76 TIME (PDT): 0940-1100

DISTANCE (KM)	CBRF3 (PPT)	DISTANCE (KM)	CBRF3 (PPT)
4.34	0.	5.79	0.
4.42	0.	5.87	0.
4.51	0.	5.95	0.
4.59	0.	6.03	0.
4.67	0.	6.11	0.
4.75	0.	6.19	0.
4.83	0.	6.28	0.
4.91	0.	6.36	0.
4.99	0.	6.44	0.
5.07	0.	6.52	38.
5.15	0.	6.60	*****
5.23	0.	6.68	0.
5.31	0.	6.76	0.
5.39	0.	6.84	161.
5.47	0.	6.92	0.
5.55	0.	7.00	182.
5.63	0.		
5.71	0.		

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: EAST ON HWY 12, SOUTH ON HWY 160, EAST ON HWY 4

STARTING POINT: JUNC. 180 AND HWY 12

DATE: 9/13/76 TIME (PCT): 1113-1217

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.96	0.	57.92	23.
1.61	0.	30.57	0.	59.53	10.
3.22	0.	32.18	0.	61.14	18.
4.83	0.	33.79	0.	62.75	12.
6.44	0.	35.40	0.	64.36	13.
8.04	0.	37.01	0.	65.97	5.
9.65	0.	38.62	0.	67.58	4.
11.26	0.	40.22	0.	69.19	3.
12.87	0.	41.83	0.	70.80	0.
14.48	0.	43.44	1.	72.40	1.
16.09	0.	45.05	0.	74.01	0.
17.70	0.	46.66	61.	75.62	0.
19.31	0.	48.27	94.		
20.92	0.	49.88	70.		
22.53	0.	51.49	75.		
24.13	0.	53.10	56.		
25.74	0.	54.71	35.		
27.35	0.	56.31	17.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: EAST ON HWY 12, SOUTH ON HWY 160, EAST ON HWY 4

STARTING POINT: JUNC. I80 AND HWY 12

DATE: 9/13/76 TIME (PDT): 1113-1217

DISTANCE	CBRF3	DISTANCE	CBRF3	DISTANCE	CBRF3
(KM)	(PPI)	(KM)	(PPI)	(KM)	(PPI)
0.0	0.	28.96	0.	57.92	0.
1.61	0.	30.57	0.	59.53	0.
3.22	0.	32.18	0.	61.14	0.
4.83	0.	33.79	0.	62.75	0.
6.44	0.	35.40	0.	64.36	0.
8.04	0.	37.01	0.	65.97	0.
9.65	0.	38.62	0.	67.58	0.
11.26	0.	40.22	0.	69.19	0.
12.87	0.	41.83	0.	70.80	0.
14.48	0.	43.44	37.	72.40	0.
16.09	0.	45.05	17.	74.01	0.
17.70	0.	46.66	0.	75.62	0.
19.31	0.	48.27	0.		
20.92	0.	49.88	0.		
22.53	0.	51.49	30.		
24.13	0.	53.10	0.		
25.74	0.	54.71	0.		
27.35	0.	56.31	0.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: SOUTH ON I780, I680

STARTING POINT: JUNC. I80 AND I780

DATE: 9/13/76 TIME (PCT): 1130-1146

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	74.
0.80	0.	15.29	100.
1.61	0.	16.09	42.
2.41	0.	16.89	23.
3.22	0.	17.70	34.
4.02	0.	18.50	59.
4.83	0.	19.31	73.
5.63	0.	20.11	62.
6.44	0.	20.92	111.
7.24	0.	21.72	127.
8.04	0.	22.53	178.
8.85	6.	23.33	154.
9.65	8.	24.13	180.
10.46	15.	24.94	173.
11.26	31.		
12.07	54.		
12.87	15.		
13.68	58.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: EAST ON I580, I205, AND HWY 120

STARTING POINT: JUNC. VASCO RD AND I580

DATE: 9/13/76 TIME (PCT): 1335-1458

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.96	0.	57.92	0.
1.61	0.	30.57	0.	59.53	0.
3.22	0.	32.18	0.	61.14	0.
4.83	0.	33.79	0.	62.75	0.
6.44	0.	35.40	0.	64.36	0.
8.04	0.	37.01	0.	65.97	0.
9.65	0.	38.62	0.	67.58	0.
11.26	0.	40.22	0.	69.19	0.
12.87	0.	41.83	0.	70.80	0.
14.48	0.	43.44	0.	72.40	0.
16.09	0.	45.05	0.	74.01	0.
17.70	0.	46.66	0.	75.62	0.
19.31	0.	48.27	0.	77.23	0.
20.92	0.	49.88	0.	78.84	3.
22.53	0.	51.49	0.	80.45	0.
24.13	0.	53.10	0.	82.06	0.
25.74	0.	54.71	0.	83.67	0.
27.35	0.	56.31	0.	85.28	0.

CALIF. DELTA TEST NO. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 5

TRAVERSE ROUTE: EAST ON I580, I205, AND HWY 120

STARTING POINT: JUNC. VASCC RD AND I580

DATE: 9/13/76 TIME (PCT): 1335-1458

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
86.89	0.	115.85	0.
88.49	0.	117.46	0.
90.10	0.	119.07	0.
91.71	0.	120.67	0.
93.32	0.	122.28	0.
94.93	0.	123.89	0.
96.54	0.	125.50	0.
98.15	0.	127.11	0.
99.76	0.	128.72	0.
101.37	0.	130.33	0.
102.98	0.	131.94	0.
104.58	0.	133.55	0.
106.19	0.	135.16	0.
107.80	0.	136.76	0.
109.41	0.		
111.02	0.		
112.63	0.		
114.24	0.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 6

TRAVERSE ROUTE: SOUTH ON I780, I680, WEST ON HWY 24

STARTING POINT: JUNC. I80 AND I780

DATE: 9/13/76 TIME (PCT): 1340-1414

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	7.	28.96	120.
1.61	16.	30.57	131.
3.22	10.	32.18	112.
4.83	77.	33.79	103.
6.44	0.	35.40	27.
8.04	45.	37.01	12.
9.65	20.	38.62	15.
11.26	13.	40.22	21.
12.87	20.	41.83	0.
14.48	11.	43.44	0.
16.09	45.	45.05	0.
17.70	77.	46.66	0.
19.31	100.	48.27	0.
20.92	105.	49.88	0.
22.53	37.	51.49	0.
24.13	55.		
25.74	57.		
27.35	73.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 7

TRAVERSE ROUTE: EAST ON I580

STARTING POINT: JUNC. HWY 238 AND I580

DATE: 9/13/76 TIME (PDT): 1429-1451

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.96	0.
1.61	0.	30.57	1.
3.22	0.	32.18	2.
4.83	0.	33.79	1.
6.44	0.		
8.04	0.		
9.65	0.		
11.26	6.		
12.87	11.		
14.48	14.		
16.09	11.		
17.70	12.		
19.31	13.		
20.92	10.		
22.53	12.		
24.13	11.		
25.74	6.		
27.35	11.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: S 180, 17, E 238, I 580, N VASCO, WALNUT, 4, 160, W 12

STARTING POINT: JUNC. W. TEXAS (FAIRFIELD) AND 180

DATE: 9/13/76 TIME (PDT): 1450-1706

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.96	200.	57.92	0.
1.61	0.	30.57	14.	59.53	0.
3.22	0.	32.18	0.	61.14	0.
4.83	0.	33.79	0.	62.75	0.
6.44	0.	35.40	0.	64.36	0.
8.04	0.	37.01	0.	65.97	0.
9.65	0.	38.62	0.	67.58	0.
11.26	0.	40.22	0.	69.19	0.
12.87	1.	41.83	0.	70.80	0.
14.48	0.	43.44	0.	72.40	0.
16.09	1.	45.05	0.	74.01	0.
17.70	2.	46.66	1.	75.62	0.
19.31	2.	48.27	0.	77.23	0.
20.92	2.	49.88	0.	78.84	0.
22.53	2.	51.49	0.	80.45	3.
24.13	94.	53.10	0.	82.06	0.
25.74	1.	54.71	0.	83.67	0.
27.35	6.	56.31	0.	85.28	0.

CALIF. DELTA TEST NO. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: S I80, 17, E 238, I580, N VASCO, WALNUT, 4, 160, W 12

STARTING POINT: JUNC. W. TEXAS (FAIRFIELD) AND I80

DATE: 9/13/76 TIME (PDT): 1450-1706

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
86.89	0.	115.65	0.	144.81	16.
88.49	0.	117.46	2.	146.42	10.
90.10	0.	119.07	3.	148.03	16.
91.71	0.	120.67	6.	149.64	13.
93.32	0.	122.28	16.	151.25	25.
94.93	0.	123.89	17.	152.85	6.
96.54	0.	125.50	10.	154.46	5.
98.15	0.	127.11	22.	156.07	3.
99.76	0.	128.72	20.	157.68	4.
101.37	0.	130.33	22.	159.29	2.
102.98	0.	131.94	18.	160.90	1.
104.58	0.	133.55	16.	162.51	2.
106.19	0.	135.16	18.	164.12	1.
107.80	0.	136.76	20.	165.73	2.
109.41	0.	138.37	20.	167.34	15.
111.02	0.	139.98	17.	168.94	6.
112.63	0.	141.59	30.	170.55	2.
114.24	2.	143.20	26.	172.16	2.
0.0	6.	0.0	2.		

CALIF. DELTA TEST NO. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 8

TRAVERSE ROUTE: S I80,17, E 238,I580, N VASCO,WALNUT,4,160,W 12

STARTING POINT: JUNC. W. TEXAS (FAIRFIELD) AND I80

DATE: 9/13/76 TIME (PDT): 1450-1706

DISTANCE	SF6
(KM)	(PPT)

173.77	4.
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175.38	3.
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176.99	2.
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178.60	0.
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180.21	0.
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181.82	0.
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183.43	0.
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185.03	0.
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186.64	0.
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188.25	0.
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189.86	0.
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191.47	0.
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CALIF. DELTA TEST NC. 7

AUTO TRAVERSE NO. 9

TRAVERSE ROUTE: WEST ON I580

STARTING POINT: JUNC. HWY 84 AND I580

DATE: 9/13/76 TIME (PCT): 1458-1522

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
0.0	0.	28.96	0.
1.61	0.	30.57	0.
3.22	2.	32.18	0.
4.83	4.	33.79	0.
6.44	6.		
8.04	7.		
9.65	12.		
11.26	7.		
12.87	2.		
14.48	0.		
16.09	0.		
17.70	0.		
19.31	0.		
20.92	0.		
22.53	0.		
24.13	0.		
25.74	0.		
27.35	0.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 10

TRAVERSE ROUTE: EAST ON HWY 24, NORTH CN I680, I780

STARTING POINT: JUNC. I580 AND HWY 24

DATE: 9/13/76 TIME (PDT): 1537-1611

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.96	9.
1.61	0.	30.57	9.
3.22	0.	32.18	6.
4.83	0.	33.79	6.
6.44	0.	35.40	7.
8.04	0.	37.01	0.
9.65	0.	38.62	0.
11.26	0.	40.22	11.
12.87	0.	41.83	11.
14.48	0.	43.44	0.
16.09	0.	45.05	0.
17.70	2.	46.66	1.
19.31	5.	48.27	0.
20.92	11.	49.88	0.
22.53	16.	51.49	0.
24.13	11.	53.10	0.
25.74	16.		
27.35	10.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 11

TRAVERSE ROUTE: SOUTH ON HWY 99, WEST CN HWY 120, 1205, 1580

STARTING POINT: JUNC. MACK RD AND HWY 99

DATE: 9/13/76 TIME (PDT): 1654-1820

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	1.	28.96	5.	57.92	0.
1.61	0.	30.57	0.	59.53	0.
3.22	0.	32.18	0.	61.14	0.
4.83	0.	33.79	0.	62.75	0.
6.44	0.	35.40	1.	64.36	0.
8.04	0.	37.01	0.	65.97	0.
9.65	0.	38.62	0.	67.58	0.
11.26	0.	40.22	0.	69.19	0.
12.87	0.	41.83	1.	70.80	0.
14.48	0.	43.44	0.	72.40	0.
16.09	0.	45.05	0.	74.01	2.
17.70	0.	46.66	0.	75.62	1.
19.31	0.	48.27	0.	77.23	0.
20.92	0.	49.88	0.	78.84	2.
22.53	1.	51.49	0.	80.45	8.
24.13	0.	53.10	0.	82.06	0.
25.74	0.	54.71	0.	83.67	2.
27.35	0.	56.31	0.	85.28	3.

CALIF. DELTA TEST NO. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 11

TRAVERSE ROUTE: SOUTH CN HWY 99, WEST CN HWY 120, 1205, 1580

STARTING POINT: JUNC. MACK RD AND HWY 99

DATE: 9/13/76 TIME (PDT): 1654-1820

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
86.89	3.	115.85	7.
88.49	2.	117.46	12.
90.10	4.	119.07	5.
91.71	5.	120.67	7.
93.32	5.	122.28	7.
94.93	3.	123.89	7.
96.54	4.	125.50	5.
98.15	5.	127.11	5.
99.76	4.	128.72	7.
101.37	0.	130.33	7.
102.98	4.	131.94	0.
104.58	1.		
106.19	4.		
107.80	5.		
109.41	5.		
111.02	6.		
112.63	10.		
114.24	8.		

CALIF. DELTA TEST NO. 7

AUTO TRAVERSE NO. 12

TRAVERSE ROUTE: WEST ON I580, NORTH ON HWY 17

STARTING POINT: JUNC. HWY 84 AND I580

DATE: 9/13/76 TIME (PCT): 1835-1901

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	11.	28.96	0.
1.61	6.	30.57	1.
3.22	8.	32.18	0.
4.83	8.	33.79	0.
6.44	11.	35.40	0.
8.04	11.	37.01	13.
9.65	9.	38.62	0.
11.26	12.	40.22	0.
12.87	11.	41.83	0.
14.48	7.		
16.09	8.		
17.70	9.		
19.31	11.		
20.92	10.		
22.53	11.		
24.13	13.		
25.74	9.		
27.35	8.		

CALIF. DELTA TEST NO. 8

AUTO TRAVERSE NO. 1

TRAVERSE ROUTE: SOUTH ON I680

STARTING POINT: JUNC. I80 AND I680

DATE: 9/14/76 TIME (PDT): 0906-0931

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	0.	28.96	0.
0.80	0.	15.29	0.	29.77	0.
1.61	0.	16.09	0.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	0.	17.70	3.	32.18	0.
4.02	0.	18.50	274.	32.98	0.
4.83	0.	19.31	1598.	33.79	0.
5.63	0.	20.11	1362.	34.59	0.
6.44	0.	20.92	575.	35.40	0.
7.24	0.	21.72	41.	36.20	0.
8.04	0.	22.53	22.	37.01	0.
8.85	0.	23.33	20.	37.81	0.
9.65	0.	24.13	28.	38.62	0.
10.46	0.	24.94	1.		
11.26	0.	25.74	0.		
12.07	0.	26.55	0.		
12.87	0.	27.35	0.		
13.68	0.	28.16	0.		

CALIF. DELTA TEST NO. 8

AUTO TRAVERSE NO. 2

TRAVERSE ROUTE: NORTH ON I680

STARTING POINT: JUNC. HWY 24 (WALNUT CREEK) AND I680

DATE: 9/14/76 TIME (PDT): 0941-1007

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	41.	28.96	0.
0.80	0.	15.29	88.	29.77	0.
1.61	0.	16.09	222.	30.57	0.
2.41	0.	16.89	412.	31.38	0.
3.22	0.	17.70	383.	32.18	0.
4.02	0.	18.50	275.	32.98	0.
4.83	0.	19.31	26.	33.79	0.
5.63	0.	20.11	1.	34.59	0.
6.44	0.	20.92	0.	35.40	0.
7.24	0.	21.72	0.	36.20	0.
8.04	0.	22.53	0.	37.01	0.
8.85	0.	23.33	0.	37.81	0.
9.65	0.	24.13	0.	38.62	0.
10.46	0.	24.94	0.		
11.26	0.	25.74	0.		
12.07	0.	26.55	0.		
12.87	0.	27.35	0.		
13.68	8.	28.16	0.		

CALIF. DELTA TEST NO. 8

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: E HWY 12, S HWY 160, W HWY 4, S HWY 24

STARTING POINT: JUNC. W. TEXAS (FAIRFIELD) AND HWY 12

DATE: 9/14/76 TIME (PDT): 1047-1151

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.96	1.	57.92	0.
1.61	0.	30.57	0.	59.53	0.
3.22	0.	32.18	6.	61.14	19.
4.83	0.	33.79	5.	62.75	3.
6.44	0.	35.40	23.	64.36	0.
8.04	0.	37.01	*****	65.97	0.
9.65	0.	38.62	49.	67.58	51.
11.26	0.	40.22	39.	69.19	26.
12.87	0.	41.83	46.	70.80	21.
14.48	0.	43.44	67.	72.40	12.
16.09	0.	45.05	75.	74.01	12.
17.70	0.	46.66	69.	75.62	47.
19.31	0.	48.27	66.	77.23	49.
20.92	0.	49.88	78.	78.84	64.
22.53	0.	51.49	56.	80.45	9.
24.13	0.	53.10	34.	82.06	3.
25.74	0.	54.71	2.	83.67	0.
27.35	1.	56.31	0.	85.28	0.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 8
(DATA CONTINUED FROM PREVIOUS PAGE)

AUTO TRAVERSE NO. 3

TRAVERSE ROUTE: E HWY 12, S HWY 160, W HWY 4, S HWY 24

STARTING POINT: JUNC. W. TEXAS (FAIRFIELD) AND HWY 12

DATE: 9/14/76 TIME (PDT): 1047-1151

DISTANCE SF6
_____(KM)_____(PPT)_____

86.89 0.

88.49 2.

90.10 2.

91.71 0.

***** INDICATES NO DATA OR FAULTY DATA

CALIF. DELTA TEST NO. 8

AUTO TRAVERSE NO. 4

TRAVERSE ROUTE: NORTH ON I680

STARTING POINT: JUNC. HWY 24 (WALNUT CREEK) AND I680

DATE: 9/14/76 TIME (PDT): 1154-1218

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	14.48	10.	28.96	0.
0.80	0.	15.29	10.	29.77	0.
1.61	2.	16.09	1.	30.57	0.
2.41	0.	16.89	0.	31.38	0.
3.22	2.	17.70	0.	32.18	0.
4.02	0.	18.50	0.	32.98	0.
4.83	0.	19.31	0.	33.79	0.
5.63	0.	20.11	0.	34.59	0.
6.44	0.	20.92	0.	35.40	0.
7.24	3.	21.72	0.	36.20	0.
8.04	5.	22.53	0.	37.01	0.
8.85	14.	23.33	0.	37.81	0.
9.65	56.	24.13	0.	38.62	0.
10.46	70.	24.94	0.		
11.26	106.	25.74	0.		
12.07	112.	26.55	0.		
12.87	129.	27.35	0.		
13.68	15.	28.16	0.		

TABLE 13

5.2 Airborne Traverse Tracer Data

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 1

TRAVERSE: VACA-DIXON AIRPORT SOUTH TO ISLETON

ALTITUDE (METERS,MSL): 305.

DATE: 9/10/76 TIME (PDT): 0934-0946

DISTANCE	SF6
(KM)	(PPT)

0.0	0.
3.81	0.
7.62	4.
11.43	2.
15.24	4.
19.05	1.
22.86	0.
26.67	0.
30.48	0.
34.29	0.
38.10	0.

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 2

TRAVERSE: ISLETON SOUTH TO 4 MI. EAST OF BRENTWOOD

ALTITUDE (METERS,MSL): 305.

DATE: 9/10/76 TIME (PDT): 0950-1005

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	7.54	0.	15.08	0.
0.42	0.	7.96	0.	15.50	0.
0.84	0.	8.38	2.	15.92	2.
1.26	0.	8.80	0.	16.34	0.
1.68	0.	9.22	0.	16.76	0.
2.09	0.	9.64	0.	17.18	0.
2.51	0.	10.06	0.	17.60	0.
2.93	0.	10.47	0.	18.02	0.
3.35	0.	10.89	0.	18.43	0.
3.77	1.	11.31	0.	18.85	0.
4.19	0.	11.73	0.	19.27	0.
4.61	0.	12.15	1.	19.69	0.
5.03	0.	12.57	0.	20.11	0.
5.45	0.	12.99	0.	20.53	0.
5.87	0.	13.41	0.	20.95	0.
6.28	2.	13.83	0.	21.37	0.
6.70	0.	14.24	0.	21.79	0.
7.12	0.	14.66	0.	22.21	0.

CALIF. DELTA TEST NO. 6
(DATA CONTINUED FROM PREVIOUS PAGE)

AIR TRAVERSE NO. 2

TRAVERSE: ISLETON SOUTH TO 4 MI. EAST OF BRENTWOOD

ALTITUDE (METERS,MSL): 305.

DATE: 9/10/76 TIME (PDT): 0950-1005

DISTANCE SF6
--(KM)--(PPT)-----

22.62 0.

23.04 1.

23.46 0.

23.88 0.

24.30 4.

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 3

TRAVERSE: 4 MI. EAST OF BRENTWOOD SOUTH TO I580-I205 JUNC.

ALTITUDE (METERS,MSL): 305.

DATE: 9/10/76 TIME (PDT): 1012-1020

DISTANCE SF6

(KM) (PPI) -----

0.0 0.

2.89 0.

5.77 7.

8.66 0.

11.55 0.

14.44 1.

17.32 3.

20.21 3.

23.10 0.

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 4

TRAVERSE: I580-I205 JUNC. NORTH TO 4 MI. EAST OF BRENTWOOD

ALTITUDE (METERS,MSL): 183.

DATE: 9/10/76 TIME (PDT): 1044-1052

DISTANCE	SF6
(KM)	(PPT)

0.0	3.
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3.30	0.
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6.60	396.
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9.90	5.
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13.20	3.
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16.50	0.
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19.80	0.
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23.10	7.
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CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 5

TRAVERSE: 4 MI. EAST OF BRENTWOOD NORTH TO ISLETON

ALTITUDE (METERS,MSL): 183.

DATE: 9/10/76 TIME (PDT): 1054-1107

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	8.58	0.	17.15	18.
0.48	0.	9.05	0.	17.63	19.
0.95	8.	9.53	2.	18.11	4.
1.43	0.	10.01	4.	18.58	1.
1.91	1.	10.48	0.	19.06	3.
2.38	8.	10.96	4.	19.54	0.
2.86	1.	11.44	12.	20.01	0.
3.34	4.	11.91	1271.	20.49	0.
3.81	3.	12.39	308.	20.96	0.
4.29	7.	12.86	1387.	21.44	0.
4.76	8.	13.34	1229.	21.92	0.
5.24	6.	13.82	805.	22.39	0.
5.72	7.	14.29	490.	22.87	0.
6.19	9.	14.77	127.	23.35	0.
6.67	0.	15.25	119.	23.82	0.
7.15	2.	15.72	145.	24.30	0.
7.62	0.	16.20	201.		
8.10	0.	16.68	73.		

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 6

TRAVERSE: ISLETON NORTH TO VACA-DIXON AIRPORT

ALTITUDE (METERS,MSL): 183.

DATE: 9/10/76 TIME (PDT): 1109-1122

DISTANCE	SF6
(KM)	(PPT)

0.0	0.
2.93	0.
5.86	0.
8.79	0.
11.72	0.
14.65	0.
17.58	0.
20.52	0.
23.45	0.
26.38	0.
29.31	0.
32.24	0.
35.17	0.
38.10	0.

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 7

TRAVERSE: ISLETON SOUTH TO 4 MI. EAST OF BRENTWOOD

ALTITUDE (METERS,MSL): 427.

DATE: 9/10/76 TIME (PDT): 1140-1153

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
0.0	0.	18.22	0.
1.01	0.	19.24	0.
2.02	0.	20.25	2.
3.04	0.	21.26	2.
4.05	0.	22.27	33.
5.06	6.	23.29	2.
6.07	0.	24.30	2.
7.09	0.		
8.10	0.		
9.11	0.		
10.12	0.		
11.14	0.		
12.15	0.		
13.16	0.		
14.17	0.		
15.19	0.		
16.20	0.		
17.21	0.		

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 8

TRAVERSE: JUNC. OF SPT CO. RAILROAD & I580 N. TO I5 & I205

ALTITUDE (METERS,MSL): 305.

DATE: 9/10/76 TIME (PDT): 1229-1235

DISTANCE SF6

(KM) (PPT) -----

0.0 0.

2.97 0.

5.93 2.

8.90 0.

11.87 0.

14.83 0.

17.80 0.

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 9

TRAVERSE: I5-I205 JUNC. NORTH TO WILSON WAY AND HIGHWAY 99

ALTITUDE (METERS,MSL): 305.

DATE: 9/10/76 TIME (PDT): 1238-1251

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPI)	(KM)	(PPI)
0.0	4.	19.04	0.
1.06	0.	20.10	0.
2.12	0.	21.15	0.
3.17	0.	22.21	0.
4.23	0.	23.27	0.
5.29	0.	24.33	3.
6.35	0.	25.38	0.
7.40	0.	26.44	0.
8.46	0.	27.50	0.
9.52	0.		
10.58	0.		
11.63	4.		
12.69	0.		
13.75	0.		
14.81	0.		
15.87	0.		
16.92	0.		
17.98	0.		

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 10

TRAVERSE: SACRAMENTO EXEC. AIRPORT SOUTH TO RIPON

ALTITUDE (METERS,MSL): 183.

DATE: 9/10/76 TIME (PDT): 1000-1039

DISTANCE	SF6	DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)	(KM)	(PPT)
0.0	0.	43.43	0.	86.86	0.
2.41	0.	45.84	0.	89.27	1.
4.83	0.	48.26	0.	91.69	0.
7.24	0.	50.67	0.	94.10	0.
9.65	0.	53.08	0.		
12.06	0.	55.49	0.		
14.48	0.	57.91	0.		
16.89	0.	60.32	0.		
19.30	0.	62.73	0.		
21.72	0.	65.15	0.		
24.13	0.	67.56	0.		
26.54	27.	69.97	0.		
28.95	0.	72.38	0.		
31.37	0.	74.80	0.		
33.78	0.	77.21	0.		
36.19	0.	79.62	0.		
38.61	0.	82.04	0.		
41.02	0.	84.45	0.		

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 11

TRAVERSE: RIPON NORTH TO SACRAMENTO EXEC. AIRPORT

ALTITUDE (METERS,MSL): 183.

DATE: 9/10/76 TIME (PDT): 1100-1139

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
0.0	0.	43.43	0.	86.86	0.
2.41	0.	45.84	0.	89.27	0.
4.83	0.	48.26	0.	91.69	0.
7.24	0.	50.67	0.	94.10	0.
9.65	0.	53.08	1.		
12.06	0.	55.49	1.		
14.48	0.	57.91	0.		
16.89	0.	60.32	0.		
19.30	0.	62.73	1.		
21.72	0.	65.15	1.		
24.13	0.	67.56	*****		
26.54	0.	69.97	0.		
28.95	0.	72.38	0.		
31.37	0.	74.80	0.		
33.78	0.	77.21	0.		
36.19	0.	79.62	0.		
38.61	0.	82.04	0.		
41.02	0.	84.45	0.		

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 12

TRAVERSE: SACRAMENTO EXEC. AIRPORT SOUTH TO RIPON

ALTITUDE (METERS,MSL): 183.

DATE: 9/10/76 TIME (PDT): 1200-1239

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	43.43	0.	86.86	0.
2.41	0.	45.84	0.	89.27	0.
4.83	0.	48.26	0.	91.69	0.
7.24	0.	50.67	21.	94.10	0.
9.65	0.	53.08	16.		
12.06	0.	55.49	0.		
14.48	0.	57.91	0.		
16.89	0.	60.32	0.		
19.30	0.	62.73	0.		
21.72	0.	65.15	0.		
24.13	0.	67.56	0.		
26.54	0.	69.97	0.		
28.95	0.	72.38	0.		
31.37	0.	74.80	0.		
33.78	0.	77.21	7.		
36.19	0.	79.62	1.		
38.61	0.	82.04	0.		
41.02	0.	84.45	0.		

CALIF. DELTA TEST NO. 6

AIR TRAVERSE NO. 13

TRAVERSE: RIPON NORTH TO SACRAMENTO EXEC. AIRPORT

ALTITUDE (METERS,MSL): 183.

DATE: 9/10/76 TIME (PDT): 1300-1339

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	43.43	0.	86.86	0.
2.41	0.	45.84	0.	89.27	0.
4.83	0.	48.26	0.	91.69	0.
7.24	0.	50.67	0.	94.10	0.
9.65	0.	53.08	0.		
12.06	0.	55.49	0.		
14.48	0.	57.91	0.		
16.89	0.	60.32	0.		
19.30	0.	62.73	0.		
21.72	0.	65.15	0.		
24.13	0.	67.56	0.		
26.54	0.	69.97	0.		
28.95	0.	72.38	0.		
31.37	0.	74.80	0.		
33.78	0.	77.21	0.		
36.19	0.	79.62	0.		
38.61	0.	82.04	0.		
41.02	0.	84.45	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 1

TRAVERSE: CORDELIA SOUTH TO I680 AND HWY 24(WALNUT CREEK)

ALTITUDE (METERS,MSL): 427.

DATE: 9/13/76 TIME (PDT): 0736-0748

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	13.41	0.	26.82	0.
0.74	0.	14.15	0.	27.56	0.
1.49	0.	14.90	0.	28.31	0.
2.23	0.	15.64	0.	29.05	0.
2.98	0.	16.39	0.	29.80	0.
3.72	0.	17.13	0.	30.54	0.
4.47	0.	17.88	0.	31.29	0.
5.21	0.	18.62	0.	32.03	0.
5.96	0.	19.37	0.	32.78	0.
6.70	0.	20.11	0.	33.52	0.
7.45	0.	20.86	0.	34.27	0.
8.19	0.	21.60	0.	35.01	0.
8.94	0.	22.35	0.	35.75	0.
9.68	0.	23.09	0.	36.50	0.
10.43	0.	23.84	0.		
11.17	0.	24.58	0.		
11.92	0.	25.33	0.		
12.66	0.	26.07	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 2

TRAVERSE: I680 AND HWY 24(WALNUT CREEK) NORTH TO CORDELIA

ALTITUDE (METERS,MSL): 305.

DATE: 9/13/76 TIME (PDT): 0757-0810

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	12.63	0.	25.27	0.
0.70	0.	13.34	0.	25.97	0.
1.40	0.	14.04	0.	26.67	0.
2.11	0.	14.74	0.	27.37	0.
2.81	0.	15.44	0.	28.08	0.
3.51	0.	16.14	0.	28.78	0.
4.21	0.	16.85	0.	29.48	0.
4.91	0.	17.55	0.	30.18	0.
5.62	0.	18.25	0.	30.88	0.
6.32	0.	18.95	0.	31.59	0.
7.02	0.	19.65	0.	32.29	0.
7.72	0.	20.36	0.	32.99	0.
8.42	0.	21.06	0.	33.69	0.
9.12	0.	21.76	0.	34.39	0.
9.83	0.	22.46	0.	35.10	0.
10.53	0.	23.16	0.	35.80	0.
11.23	0.	23.87	0.	36.50	0.
11.93	0.	24.57	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 3

TRAVERSE: CORDELIA SOUTH TO I680 AND HWY 24(WALNUT CREEK)

ALTITUDE (METERS,MSL): 183.

DATE: 9/13/76 TIME (PDT): 0819-0832

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	12.63	0.	25.27	3.
0.70	0.	13.34	0.	25.97	2.
1.40	0.	14.04	0.	26.67	2.
2.11	0.	14.74	0.	27.37	2.
2.81	0.	15.44	0.	28.08	0.
3.51	0.	16.14	0.	28.78	0.
4.21	0.	16.85	0.	29.48	0.
4.91	0.	17.55	0.	30.18	0.
5.62	0.	18.25	0.	30.88	0.
6.32	0.	18.95	0.	31.59	0.
7.02	0.	19.65	0.	32.29	0.
7.72	0.	20.36	1.	32.99	0.
8.42	0.	21.06	0.	33.69	0.
9.12	0.	21.76	1.	34.39	0.
9.83	0.	22.46	0.	35.10	0.
10.53	0.	23.16	0.	35.80	0.
11.23	0.	23.87	0.	36.50	0.
11.93	0.	24.57	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 4

TRAVERSE: CORDELIA SOUTH TO I680 AND HWY 24(WALNUT CREEK)

ALTITUDE (METERS,MSL): 427.

DATE: 9/13/76 TIME (PDT): 0906-0918

DISTANCE	SF6
(KM)	(PPT)

0.0	0.
3.32	0.
6.64	0.
9.95	0.
13.27	0.
16.59	0.
19.91	0.
23.23	0.
26.55	0.
29.86	0.
33.18	0.
36.50	0.

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 5

TRAVERSE: I680 AND HWY 24(WALNUT CREEK) NORTH TO CORDELIA

ALTITUDE (METERS,MSL): 305.

DATE: 9/13/76 TIME (PDT): 0925-0938

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	12.63	0.	25.27	0.
0.70	0.	13.34	0.	25.97	0.
1.40	0.	14.04	0.	26.67	0.
2.11	0.	14.74	0.	27.37	0.
2.81	0.	15.44	0.	28.08	0.
3.51	0.	16.14	0.	28.78	0.
4.21	1.	16.85	0.	29.48	0.
4.91	0.	17.55	0.	30.18	0.
5.62	0.	18.25	0.	30.88	0.
6.32	0.	18.95	0.	31.59	0.
7.02	0.	19.65	0.	32.29	0.
7.72	0.	20.36	0.	32.99	0.
8.42	0.	21.06	0.	33.69	0.
9.12	0.	21.76	0.	34.39	0.
9.83	0.	22.46	0.	35.10	0.
10.53	0.	23.16	0.	35.80	0.
11.23	0.	23.87	0.	36.50	0.
11.93	0.	24.57	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 6

TRAVERSE: CORDELIA SOUTH TO I680 AND HWY 24(WALNUT CREEK)

ALTITUDE (METERS,MSL): 183.

DATE: 9/13/76 TIME (PDT): 0945-0958

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
0.0	0.	12.63	0.	25.27	0.
0.70	0.	13.34	0.	25.97	0.
1.40	0.	14.04	4.	26.67	0.
2.11	0.	14.74	28.	27.37	0.
2.81	1.	15.44	70.	28.08	0.
3.51	0.	16.14	78.	28.78	0.
4.21	0.	16.85	81.	29.48	0.
4.91	0.	17.55	123.	30.18	0.
5.62	0.	18.25	97.	30.88	0.
6.32	0.	18.95	199.	31.59	0.
7.02	0.	19.65	71.	32.29	0.
7.72	0.	20.36	5.	32.99	0.
8.42	0.	21.06	2.	33.69	0.
9.12	0.	21.76	3.	34.39	0.
9.83	0.	22.46	2.	35.10	0.
10.53	0.	23.16	1.	35.80	0.
11.23	0.	23.87	2.	36.50	0.
11.93	0.	24.57	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 7

TRAVERSE: VACA-DIXON AIRPORT SOUTH TO ISLETON

ALTITUDE (METERS,MSL): 183.

DATE: 9/13/76 TIME (PDT): 1312-1324

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
0.0	0.	27.43	0.
1.52	0.	28.96	0.
3.05	0.	30.48	0.
4.57	0.	32.00	0.
6.10	0.	33.53	0.
7.62	0.	35.05	0.
9.14	0.	36.58	0.
10.67	0.	38.10	0.
12.19	0.		
13.72	0.		
15.24	0.		
16.76	0.		
18.29	0.		
19.81	0.		
21.34	0.		
22.86	0.		
24.38	0.		
25.91	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 8

TRAVERSE: ISLETON SOUTH TO I580 AND I205 JUNC.

ALTITUDE (METERS,MSL): 183.

DATE: 9/13/76 TIME (PDT): 1327-1343

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.20	10.
1.57	0.	29.77	13.
3.13	0.	31.33	9.
4.70	0.	32.90	5.
6.27	0.	34.47	3.
7.83	1.	36.03	0.
9.40	0.	37.60	0.
10.97	0.	39.17	1.
12.53	0.	40.73	0.
14.10	0.	42.30	0.
15.67	0.	43.87	0.
17.23	3.	45.43	0.
18.80	8.	47.00	0.
20.37	17.		
21.93	19.		
23.50	15.		
25.07	16.		
26.63	12.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 8

TRAVERSE: ISLETON SOUTH TO I580 AND I205 JUNC.

ALTITUDE (METERS,MSL): 183.

DATE: 9/13/76 TIME (PDT): 1327-1343

DISTANCE CBrF ₃		DISTANCE CBrF ₃	
(KM)	(PPT)	(KM)	(PPT)
0.0	0.	28.20	37.
1.57	0.	29.77	31.
3.13	0.	31.33	0.
4.70	0.	32.90	0.
6.27	0.	34.47	0.
7.83	0.	36.03	0.
9.40	0.	37.60	0.
10.97	0.	39.17	0.
12.53	0.	40.73	0.
14.10	0.	42.30	0.
15.67	0.	43.87	0.
17.23	0.	45.43	0.
18.80	0.	47.00	0.
20.37	0.		
21.93	0.		
23.50	0.		
25.07	0.		
26.63	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 9

TRAVERSE: I580 AND I205 JUNC. NORTH TO ISLETON

ALTITUDE (METERS,MSL): 305.

DATE: 9/13/76 TIME (PDT): 1348-1404

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
0.0	0.	25.64	25.
1.42	0.	27.06	17.
2.85	0.	28.48	7.
4.27	0.	29.91	5.
5.70	0.	31.33	1.
7.12	2.	32.76	2.
8.55	2.	34.18	1.
9.97	2.	35.61	2.
11.39	4.	37.03	0.
12.82	5.	38.45	0.
14.24	10.	39.88	1.
15.67	8.	41.30	0.
17.09	14.	42.73	0.
18.52	11.	44.15	0.
19.94	13.	45.58	0.
21.36	16.	47.00	0.
22.79	17.		
24.21	18.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 9

TRAVERSE: 1580 AND 1205 JUNC. NORTH TO ISLETON

ALTITUDE (METERS,MSL): 305.

DATE: 9/13/76 TIME (PDT): 1348-1404

DISTANCE CBrF ₃		DISTANCE CBrF ₃	
(KM)	(PPT)	(KM)	(PPT)
0.0	0.	25.64	0.
1.42	0.	27.06	0.
2.85	0.	28.48	0.
4.27	0.	29.91	68.
5.70	0.	31.33	0.
7.12	91.	32.76	0.
8.55	0.	34.18	0.
9.97	0.	35.61	0.
11.39	0.	37.03	0.
12.82	0.	38.45	0.
14.24	0.	39.88	0.
15.67	0.	41.30	0.
17.09	0.	42.73	0.
18.52	0.	44.15	0.
19.94	0.	45.58	0.
21.36	0.	47.00	0.
22.79	0.		
24.21	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 10

TRAVERSE: ISLETON NORTH TO VACA-DIXON AIRPORT

ALTITUDE (METERS,MSL): 305.

DATE: 9/13/76 TIME (PDT): 1409-1422

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPI)	(KM)	(PPI)
0.0	0.	26.38	0.
1.47	0.	27.84	0.
2.93	0.	29.31	0.
4.40	0.	30.77	0.
5.86	0.	32.24	0.
7.33	0.	33.70	0.
8.79	0.	35.17	0.
10.26	0.	36.63	0.
11.72	0.	38.10	1.
13.19	0.		
14.65	0.		
16.12	0.		
17.58	0.		
19.05	0.		
20.52	0.		
21.98	0.		
23.45	0.		
24.91	0.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 11

TRAVERSE: VACA-DIXON AIRPORT S. TO ISLETON S. TO I580-I205

ALTITUDE (METERS,MSL): 427.

DATE: 9/13/76 TIME (PDT): 1428-1456

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	28.37	0.	56.73	8.
1.58	0.	29.94	0.	58.31	8.
3.15	0.	31.52	0.	59.88	13.
4.73	0.	33.09	0.	61.46	14.
6.30	0.	34.67	0.	63.04	13.
7.88	0.	36.25	0.	64.61	13.
9.46	0.	37.82	0.	66.19	15.
11.03	0.	39.40	0.	67.76	11.
12.61	0.	40.97	0.	69.34	15.
14.18	0.	42.55	0.	70.92	11.
15.76	0.	44.13	0.	72.49	12.
17.34	0.	45.70	0.	74.07	10.
18.91	0.	47.28	1.	75.64	11.
20.49	0.	48.85	1.	77.22	9.
22.06	0.	50.43	2.	78.80	8.
23.64	0.	52.01	1.	80.37	*****
25.21	0.	53.58	4.	81.95	8.
26.79	0.	55.16	4.	83.52	4.

CALIF. DELTA TEST NO. 7
(DATA CONTINUED FROM PREVIOUS PAGE)

AIR TRAVERSE NO. 11

TRAVERSE: VACA-DIXON AIRPORT S. TO ISLETON S. TO I580-I205

ALTITUDE (METERS,MSL): 427.

DATE: 9/13/76 TIME (PDT): 1428-1456

DISTANCE SF6

(KM) (PPT)

85.10 2.

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 12

TRAVERSE: LIVERMORE AIRPORT EAST TO I5 AND I205 JUNC.

ALTITUDE (METERS,MSL): 457.

DATE: 9/13/76 TIME (PDT): 1759-1812

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
0.0	4.	30.53	7.
1.70	5.	32.23	5.
3.39	5.	33.92	6.
5.09	6.	35.62	6.
6.78	6.	37.32	0.
8.48	8.	39.01	8.
10.18	5.	40.71	5.
11.87	4.	42.40	7.
13.57	8.	44.10	5.
15.27	3.		
16.96	6.		
18.66	13.		
20.35	15.		
22.05	13.		
23.75	21.		
25.44	29.		
27.14	12.		
28.83	13.		

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 13

TRAVERSE: I5 AND I205 JUNC. NORTHEAST TO STOCKTON AIRPORT

ALTITUDE (METERS,MSL): 457.

DATE: 9/13/76 TIME (PDT): 1815-1822

DISTANCE SF6	
(KM)	(PPT)

0.0	5.
1.35	4.
2.70	0.
4.05	2.
5.40	2.
6.75	0.
8.10	0.
9.45	0.
10.80	0.
12.15	0.
13.50	0.
14.85	0.
16.20	0.

CALIF. DELTA TEST NO. 7

AIR TRAVERSE NO. 14

TRAVERSE: STOCKTON APT, NORTH TO 5.7 MI SSW OF SAC. EX APT

ALTITUDE (METERS,MSL): 457.

DATE: 9/13/76 TIME (PDT): 1850-1912

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	27.16	0.	54.33	0.
1.51	0.	28.67	0.	55.84	0.
3.02	0.	30.18	4.	57.35	0.
4.53	0.	31.69	0.	58.85	0.
6.04	0.	33.20	0.	60.36	0.
7.55	0.	34.71	0.	61.87	0.
9.05	0.	36.22	0.	63.38	0.
10.56	0.	37.73	2.	64.89	0.
12.07	4.	39.24	3.	66.40	0.
13.58	0.	40.75	0.		
15.09	0.	42.25	0.		
16.60	0.	43.76	0.		
18.11	0.	45.27	1.		
19.62	0.	46.78	0.		
21.13	0.	48.29	0.		
22.64	0.	49.80	0.		
24.15	0.	51.31	0.		
25.65	0.	52.82	0.		

CALIF. DELTA TEST NO. 8

AIR TRAVERSE NO. 1

TRAVERSE: I680-HIGHWAY 24 (WALNUT CREEK) NORTH TO CORDELIA

ALTITUDE (METERS,MSL): 366.

DATE: 9/14/76 TIME (PDT): 0826-0839

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	12.63	0.	25.27	0.
0.70	0.	13.34	0.	25.97	0.
1.40	0.	14.04	0.	26.67	0.
2.11	0.	14.74	0.	27.37	39.
2.81	0.	15.44	0.	28.08	0.
3.51	2.	16.14	0.	28.78	0.
4.21	0.	16.85	0.	29.48	0.
4.91	0.	17.55	0.	30.18	0.
5.62	0.	18.25	0.	30.88	0.
6.32	0.	18.95	0.	31.59	0.
7.02	0.	19.65	0.	32.29	0.
7.72	0.	20.36	0.	32.99	0.
8.42	0.	21.06	0.	33.69	0.
9.12	0.	21.76	0.	34.39	0.
9.83	0.	22.46	0.	35.10	0.
10.53	0.	23.16	0.	35.80	0.
11.23	0.	23.87	0.	36.50	0.
11.93	0.	24.57	0.		

CALIF. DELTA TEST NO. 8

AIR TRAVERSE NO. 2

TRAVERSE: CORDELIA SOUTH TO I680 AND HWY 24(WALNUT CREEK)

ALTITUDE (METERS,MSL): 274.

DATE: 9/14/76 TIME (PDT): 0843-0856

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	12.63	0.	25.27	15.
0.70	0.	13.34	0.	25.97	0.
1.40	0.	14.04	0.	26.67	1.
2.11	0.	14.74	0.	27.37	0.
2.81	0.	15.44	12.	28.08	0.
3.51	0.	16.14	8.	28.78	0.
4.21	0.	16.85	10.	29.48	2.
4.91	0.	17.55	0.	30.18	0.
5.62	0.	18.25	0.	30.88	0.
6.32	0.	18.95	0.	31.59	0.
7.02	0.	19.65	2.	32.29	0.
7.72	0.	20.36	0.	32.99	0.
8.42	0.	21.06	0.	33.69	0.
9.12	0.	21.76	0.	34.39	0.
9.83	0.	22.46	0.	35.10	0.
10.53	0.	23.16	0.	35.80	0.
11.23	0.	23.87	0.	36.50	0.
11.93	0.	24.57	0.		

CALIF. DELTA TEST NO. 8

AIR TRAVERSE NO. 3

TRAVERSE: I680-HIGHWAY 24 (WALNUT CREEK) NORTH TO CORDELIA

ALTITUDE (METERS,MSL): 183.

DATE: 9/14/76 TIME (PDT): 0858-0911

DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)	DISTANCE (KM)	SF6 (PPI)
0.0	0.	12.63	0.	25.27	0.
0.70	0.	13.34	0.	25.97	0.
1.40	0.	14.04	0.	26.67	0.
2.11	0.	14.74	0.	27.37	0.
2.81	0.	15.44	16.	28.08	0.
3.51	0.	16.14	3.	28.78	0.
4.21	0.	16.85	50.	29.48	0.
4.91	0.	17.55	87.	30.18	0.
5.62	0.	18.25	145.	30.88	0.
6.32	0.	18.95	73.	31.59	0.
7.02	0.	19.65	12.	32.29	0.
7.72	0.	20.36	0.	32.99	0.
8.42	0.	21.06	0.	33.69	0.
9.12	2.	21.76	0.	34.39	0.
9.83	0.	22.46	0.	35.10	0.
10.53	2.	23.16	0.	35.80	0.
11.23	0.	23.87	0.	36.50	0.
11.93	0.	24.57	0.		

CALIF. DELTA TEST NO. 8

AIR TRAVERSE NO. 4

TRAVERSE: CORDELIA SOUTH TO I680 AND HWY 24(WALNUT CREEK)

ALTITUDE (METERS,MSL): 427.

DATE: 9/14/76 TIME (PDT): 0942-0955

DISTANCE	SF6	DISTANCE	SF6
(KM)	(PPT)	(KM)	(PPT)
0.0	0.	25.27	0.
1.40	0.	26.67	2.
2.81	0.	28.08	3.
4.21	0.	29.48	3.
5.62	0.	30.88	1.
7.02	0.	32.29	5.
8.42	0.	33.69	6.
9.83	0.	35.10	8.
11.23	0.	36.50	3.
12.63	0.		
14.04	1.		
15.44	0.		
16.85	16.		
18.25	22.		
19.65	10.		
21.06	7.		
22.46	2.		
23.87	0.		

CALIF. DELTA TEST NO. 8

AIR TRAVERSE NO. 5

TRAVERSE: I680-HIGHWAY 24 (WALNUT CREEK) NORTH TO CORDELIA

ALTITUDE (METERS,MSL): 305.

DATE: 9/14/76 TIME (PDT): 0959-1012

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	2.	12.88	5.	25.76	0.
0.72	4.	13.60	34.	26.48	0.
1.43	3.	14.31	33.	27.20	0.
2.15	3.	15.03	90.	27.91	0.
2.86	4.	15.75	87.	28.63	0.
3.58	4.	16.46	134.	29.34	0.
4.29	3.	17.18	129.	30.06	0.
5.01	2.	17.89	74.	30.77	0.
5.73	2.	18.61	*****	31.49	0.
6.44	3.	19.32	20.	32.21	0.
7.16	3.	20.04	1.	32.92	0.
7.87	2.	20.75	0.	33.64	0.
8.59	2.	21.47	0.	34.35	0.
9.30	2.	22.19	0.	35.07	0.
10.02	3.	22.90	0.	35.78	0.
10.74	0.	23.62	0.	36.50	0.
11.45	0.	24.33	0.		
12.17	3.	25.05	0.		

CALIF. DELTA TEST NO. 8

AIR TRAVERSE NO. 6

TRAVERSE: CORDELIA SOUTH TO I680 AND HWY 24(WALNUT CREEK)

ALTITUDE (METERS,MSL): 183.

DATE: 9/14/76 TIME (PDT): 1016-1028

DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)	DISTANCE (KM)	SF6 (PPT)
0.0	0.	13.14	0.	26.28	2.
0.73	0.	13.87	0.	27.01	2.
1.46	0.	14.60	0.	27.74	4.
2.19	2.	15.33	0.	28.47	3.
2.92	0.	16.06	0.	29.20	1.
3.65	0.	16.79	0.	29.93	4.
4.38	0.	17.52	42.	30.66	*****
5.11	0.	18.25	162.	31.39	4.
5.84	0.	18.98	304.	32.12	0.
6.57	0.	19.71	177.	32.85	2.
7.30	0.	20.44	174.	33.58	2.
8.03	1.	21.17	134.	34.31	3.
8.76	0.	21.90	179.	35.04	4.
9.49	0.	22.63	117.	35.77	0.
10.22	0.	23.36	3.	36.50	0.
10.95	0.	24.09	0.		
11.68	0.	24.82	0.		
12.41	0.	25.55	2.		

TABLE 14

5.3 Airborne Spiral Tracer Data

CALIF. DELTA TEST NO. 6

AIR SPIRAL NO. 1

LOCATION: FRANKS TRACT RECREATION AREA

DATE: 9/10/76 TIME (PDT): 1158-1203

ALTITUDE SF6
(METERS,MSL) (PPT)

914.	2.
853.	0.
792.	2.
732.	27.
671.	5.
610.	5.
549.	1.
488.	3.

CALIF. DELTA TEST NO. 6

AIR SPIRAL NO. 2

LOCATION: FRANKS TRACT RECREATION AREA

DATE: 9/10/76 TIME (PDT): 1203-1208

ALTITUDE (METERS,MSL)	SF6 (PPT)	ALTITUDE (METERS,MSL)	SF6 (PPT)
472.	1.	198.	68.
457.	1.	183.	204.
442.	3.	168.	243.
427.	2.	152.	351.
411.	2.	137.	816.
396.	3.	122.	908.
381.	2.	107.	703.
366.	4.	91.	554.
351.	5.	76.	368.
335.	3.	61.	56.
320.	101.	46.	9.
305.	2.	30.	3.
290.	7.	15.	5.
274.	8.		
259.	11.		
244.	13.		
229.	32.		
213.	106.		

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 2

LOCATION: 0.5 MI. N. OF THE PORT CHICAGO NAVAL MAGAZINE

DATE: 9/13/76 TIME (PDT): 0849-0854

ALTITUDE SF6 (METERS,MSL) (PPT)	ALTITUDE SF6 (METERS,MSL) (PPT)
472. 0.	198. 53.
457. 0.	183. 80.
442. 0.	168. 50.
427. 0.	152. 36.
411. 0.	137. 70.
396. 0.	122. 77.
381. 0.	107. 83.
366. 0.	91. 69.
351. 0.	76. 105.
335. 0.	61. 109.
320. 0.	46. 81.
305. 0.	30. 91.
290. 0.	15. 70.
274. 0.	
259. 0.	
244. 5.	
229. 31.	
213. 61.	

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 3

LOCATION: 0.5 MI. N. OF THE PORT CHICAGO NAVAL MAGAZINE

DATE: 9/13/76 TIME (PDT): 1008-1011

ALTITUDE SF6
(METERS,MSL) (PPT)

914. 0.

853. 0.

792. 0.

732. 0.

671. 0.

610. 0.

549. 0.

488. 0.

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 4

LOCATION: 0.5 MI. N. OF THE PORT CHICAGO NAVAL MAGAZINE

DATE: 9/13/76 TIME (PDT): 1011-1017

ALTITUDE	SF6	ALTITUDE	SF6
(METERS,MSL)	(PPT)	(METERS,MSL)	(PPT)
457.	0.	183.	330.
442.	0.	168.	337.
427.	0.	152.	390.
411.	0.	137.	237.
396.	0.	122.	413.
381.	0.	107.	367.
366.	0.	91.	382.
351.	0.	76.	282.
335.	0.	61.	372.
320.	23.	46.	389.
305.	88.	30.	319.
290.	68.	15.	254.
274.	208.	0.	244.
259.	128.		
244.	250.		
229.	254.		
213.	362.		
198.	331.		

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 5

LOCATION: RIO VISTA

DATE: 9/13/76 TIME (PDT): 1518-1526

ALTITUDE SF6
(METERS,MSL) (PPI)

1829.	0.
1768.	0.
1707.	0.
1646.	0.
1585.	0.
1524.	0.
1463.	0.
1402.	0.
1341.	0.
1280.	0.
1219.	0.
1158.	0.
1097.	0.
1036.	0.
975.	0.
914.	0.

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 6

LOCATION: RIO VISTA

DATE: 9/13/76 TIME (PDT): 1526-1534

ALTITUDE	SF6	ALTITUDE	SF6
(METERS,MSL)	(PPI)	(METERS,MSL)	(PPI)
884.	0.	335.	0.
853.	0.	305.	0.
823.	0.	274.	0.
792.	0.	244.	0.
762.	0.	213.	0.
732.	0.	183.	0.
701.	0.	152.	0.
671.	0.	122.	0.
640.	0.	91.	0.
610.	0.	61.	0.
579.	0.	30.	0.
549.	0.		
518.	0.		
488.	0.		
457.	0.		
427.	0.		
396.	0.		
366.	0.		

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 7

LOCATION: TRACY

DATE: 9/13/76 TIME (PDT): 1553-1559

ALTITUDE SF6
(METERS,MSL) (PPI)

1829. 0.

1768. 0.

1707. 0.

1646. 0.

1585. 0.

1524. 0.

1463. 0.

1402. 0.

1341. 0.

1280. 0.

1219. 0.

1158. 0.

1097. 5.

1036. 7.

975. 6.

914. 2.

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 8

LOCATION: TRACY

DATE: 9/13/76 TIME (PDT): 1559-1603

ALTITUDE (METERS,MSL)	SF6 (PPT)	ALTITUDE (METERS,MSL)	SF6 (PPT)
884.	6.	335.	0.
853.	3.	305.	4.
823.	4.	274.	4.
792.	0.	244.	4.
762.	2.	213.	0.
732.	0.	183.	0.
701.	0.	152.	5.
671.	4.	122.	5.
640.	6.	91.	5.
610.	0.		
579.	7.		
549.	4.		
518.	5.		
488.	7.		
457.	5.		
427.	5.		
396.	6.		
366.	5.		

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 9

LOCATION: STOCKTON

DATE: 9/13/76 TIME (PDT): 1832-1838

ALTITUDE SF6
(METERS,MSL) (PPI)

1524.	0.
1463.	0.
1402.	0.
1341.	0.
1280.	0.
1219.	23.
1158.	30.
1097.	45.
1036.	952.
975.	7.
914.	4.
853.	1.
792.	0.
732.	0.

CALIF. DELTA TEST NO. 7

AIR SPIRAL NO. 10

LOCATION: STOCKTON

DATE: 9/13/76 TIME (PDT): 1838-1844

ALTITUDE	SF6	ALTITUDE	SF6
(METERS,MSL)	(PPI)	(METERS,MSL)	(PPI)
732.	0.	183.	0.
701.	0.	152.	0.
671.	0.	122.	0.
640.	0.	91.	0.
610.	0.	61.	0.
579.	0.	30.	0.
549.	0.		
518.	0.		
488.	0.		
457.	0.		
427.	0.		
396.	0.		
366.	0.		
335.	0.		
305.	0.		
274.	0.		
244.	0.		
213.	0.		

CALIF. DELTA TEST NO. 8

AIR SPIRAL NO. 1

LOCATION: 0.5 MI. N. OF THE PORT CHICAGO NAVAL MAGAZINE

DATE: 9/14/76 TIME (PDT): 0921-0926

ALTITUDE	SF6
(METERS,MSL)	(PPI)

1067.	0.
-------	----

1006.	0.
-------	----

945.	0.
------	----

884.	0.
------	----

823.	0.
------	----

762.	1.
------	----

701.	0.
------	----

640.	0.
------	----

579.	0.
------	----

518.	95.
------	-----

457.	579.
------	------

CALIF. DELTA TEST NO. 8

AIR SPIRAL NO. 2

LOCATION: 0.5 MI. N. OF THE PORT CHICAGO NAVAL MAGAZINE

DATE: 9/14/76 TIME (PDT): 0926-0930

ALTITUDE SF6 (METERS,MSL)	(PPT)	ALTITUDE SF6 (METERS,MSL)	(PPT)
442.	0.	168.	252.
427.	37.	152.	565.
411.	104.	137.	858.
396.	53.	122.	412.
381.	148.	107.	674.
366.	41.	91.	452.
351.	146.	76.	323.
335.	113.	61.	439.
320.	247.	46.	442.
305.	180.	30.	438.
290.	202.	15.	126.
274.	162.		
259.	145.		
244.	153.		
229.	211.		
213.	421.		
198.	277.		
183.	285.		

CALIF. DELTA TEST NO. 8

AIR SPIRAL NO. 3

LOCATION: 0.5 MI. N. OF THE PORT CHICAGO NAVAL MAGAZINE

DATE: 9/14/76 TIME (PDT): 1039-1044

ALTITUDE SF6 (METERS,MSL)	(PPI)
------------------------------	-------

1372.	0.
-------	----

1311.	0.
-------	----

1250.	0.
-------	----

1189.	0.
-------	----

1128.	3.
-------	----

1067.	0.
-------	----

1006.	0.
-------	----

945.	0.
------	----

884.	2.
------	----

823.	0.
------	----

762.	0.
------	----

701.	0.
------	----

640.	0.
------	----

579.	0.
------	----

518.	0.
------	----

457.	0.
------	----

CALIF. DELTA TEST NO. 8

AIR SPIRAL NO. 4

LOCATION: 0.5 MI. N. OF THE PORT CHICAGO NAVAL MAGAZINE

DATE: 9/14/76 TIME (PDT): 1044-1054

ALTITUDE SF6	ALTITUDE SF6
(METERS,MSL) (PPI)	(METERS,MSL) (PPI)
442.	0.
427.	0.
411.	0.
396.	0.
381.	0.
366.	0.
351.	0.
335.	0.
320.	0.
305.	0.
290.	0.
274.	0.
259.	0.
244.	0.
229.	0.
213.	0.
198.	0.
183.	0.

TABLE 15

5.4 Hourly Averaged Sequential 12-Hour Tracer Data

TABLE 5

ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)

DELTA REGION TEST NO. 1

SF6 TRACER

	HOUR OF DAY - PDT							08-31-76				
STATION NUMBER	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
1	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	3	0	4	0	1	0	0	0	0	0
5	0	3	1	0	0	0	0	0	4	5	5	2
6	1	4	7	64	34	2	0	4	0	2	3	0
7	0	0	0	0	0	0	0	60	5	0	0	0
8	0	0	0	0	0	0	35	103	19	0	0	0
9	0	0	0	0	0	0	10	46	72	6	0	0
10	0	1	4	3	2	2	44	40	37	1	2	0
11	0	0	0	0	0	0	22	60	28	0	0	6
12	1	0	3	0	3	0	20	33	2	3	3	2
14	0	2	2	1	****	0	0	0	1	0	0	0

456

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 1 SF6 TRACER

	HOUR OF DAY - PDT											08-31-76	
STATION NUMBER	2300	0	100	200	300	400	500	600	700	800	900	1000	
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	0	
3	0	0	2	0	0	0	9	0	0	0	2	0	
4	0	4	0	4	0	0	1	0	0	0	0	0	
5	1	2	0	1	0	0	0	0	0	0	0	0	
6	0	0	1	0	0	0	0	0	0	0	0	****	
7	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	1	1	3	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	
10	2	0	0	0	0	1	1	0	3	0	0	0	
11	5	0	1	0	0	****	0	0	0	0	0	0	
12	2	2	4	3	3	2	1	2	2	3	2	3	
14	0	0	0	2	0	3	3	6	1	3	1	3	

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 2 SF6 TRACER

STATION NUMBER	HOUR OF DAY - PDT						09-02-76					
	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
1	2	0	0	0	0	1	0	2	4	36	17	16
3	1	2	1	2	2	1	****	1	1	2	1	1
4	1	0	0	1	1	2	3	2	2	1	1	****
5	1	1	3	1	1	4	1	3	3	2	3	0
6	0	3	3	3	5	1	2	1	4	1	2	3
7	3	2	3	4	3	2	1	4	8	13	2	2
8	2	2	****	3	3	3	11	2	11	****	2	2
9	1	1	1	2	1	2	7	13	****	8	4	3
10	2	1	1	2	3	3	12	11	21	3	2	2
11	3	3	3	2	2	2	6	10	5	4	3	5
12	4	3	3	2	2	1	2	2	0	2	1	2
14	6	0	15	2	2	2	2	0	0	0	4	****

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 2 SF6 TRACER

STATION NUMBER	HOUR OF DAY - PDT						09-02-76						
	2200	2300	0	100	200	300	400	500	600	700	800	900	
2	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	
4	9	4	3	12	5	0	2	2	0	0	0	0	
5	3	0	0	1	3	1	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	2	2	3	2	2	****	2	****	1	1	2	
10	0	0	0	0	2	0	0	0	0	0	0	0	
11	9	5	6	3	5	4	3	2	3	3	1	3	
12	0	2	4	4	4	4	4	6	4	3	3	4	
13	1	0	0	2	3	1	1	0	0	0	0	1	
14	0	0	0	0	0	0	0	0	0	0	0	0	

459

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 3 SF6 TRACER

STATION NUMBER	HOUR OF DAY - PDT						09-05-76					
	2200	2300	0	100	200	300	400	500	600	700	800	900
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	2	0	0	0	0	0
6	0	0	0	0	0	0	0	17	9	0	0	0
7	0	0	3	4	0	31	309	126	100	48	25	14
8	0	0	3	5	504	110	0	96	918	330	116	10
9	0	4	8	****	334	3	45	4	11	405	191	122
10	2	0	0	3	0	0	0	0	70	116	212	52
11	0	0	2	4	3	0	0	0	85	118	164	212
12	1	1	0	0	3	0	0	3	0	0	0	0
13	0	0	0	0	0	0	1	0	0	0	0	0
14	6	0	0	0	0	0	0	0	0	0	0	0

460

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 3 SF6 TRACER

STATION NUMBER	HOUR OF DAY - PDT										09-05-76	
	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
2	0	0	0	0	0	0	0	****	****	****	****	****
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	0	0	0	0	0	0	0	0	0
7	7	0	0	0	0	0	0	0	1	0	0	0
8	5	4	0	0	0	0	0	0	0	0	0	0
9	22	4	0	0	0	0	0	0	0	0	0	0
10	36	14	3	0	0	0	0	0	0	0	0	0
11	90	41	22	1	0	0	0	0	0	0	0	0
12	0	23	6	1	0	0	0	0	1	34	0	0
13	2	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 4 SF6 TRACER

STATION NUMBER	HOUR OF DAY - PDT								09-06-76			
	1600	1700	1800	1900	2000	2100	2200	2300	0	100	200	300
3	0	0	0	0	0	0	0	0	0	0	0	0
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	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	2	0	0	1	0	0	0	0	0	****
8	0	0	0	0	37	112	85	148	0	0	0	0
9	0	0	0	2	274	305	566	273	16	1	0	0
10	6	0	0	0	0	0	45	333	290	66	26	6
11	0	0	0	0	0	0	0	16	72	101	86	52
12	0	0	1	0	0	0	0	3	0	15	8	103
14	0	0	0	0	0	0	0	0	0	0	0	0

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5

ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)

DELTA REGION TEST NO. 4

SF6 TRACER

STATION NUMBER	HOUR OF DAY - PDT										09-06-76	
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
3	0	0	0	0	0	0	0	0	0	0	****	****
4	0	0	0	0	0	0	0	0	0	0	****	****
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	3	5	0	0	0	0	0	****	****	****
10	11	27	37	20	5	4	0	0	0	0	****	****
11	46	89	44	18	0	0	0	0	0	0	0	0
12	117	9	0	0	0	0	0	0	0	0	0	****
14	0	0	0	0	0	0	0	0	0	0	0	0

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 5 SF6 TRACER

	HOUR OF DAY - PDT								09-09-76			
STATION NUMBER	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
2	****	0	****	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	2	0	0	0
4	0	0	0	0	0	0	0	0	0	0	****	0
5	0	0	0	0	0	0	0	0	0	0	0	****
6	0	0	0	0	0	0	0	0	0	0	0	0
7	3	1	3	0	5	2	0	0	0	0	0	3
8	1	7	7	8	6	3	6	47	0	0	2	3
9	0	0	0	0	0	0	0	0	0	0	0	0
10	3	7	8	2	4	0	3	0	4	5	3	0
11	0	0	0	0	0	0	0	0	0	0	0	5
12	0	0	0	0	0	0	0	2	4	****	5	6
13	2	0	0	0	0	0	0	0	0	1	0	0
14	0	0	0	0	0	0	0	0	0	0	0	4

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 6 SF6 TRACER

	HOUR OF DAY - PDT							09-10-76				
STATION NUMBER	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
2	****	0	0	0	0	0	0	0	0	0	0	0
3	0	0	1	2	0	0	0	0	0	0	0	0
4	0	0	0	1	4	0	0	0	0	0	0	0
5	0	****	0	0	0	1	3	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	2	0	1	3	2	4	5	2	6	4	17	83
8	2	3	0	0	4	0	0	6	11	9	11	73
9	0	0	0	3	2	0	0	0	0	0	0	3
10	0	0	0	0	****	3	6	0	****	4	4	3
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	2	2	0	0	0	0	0
14	1	0	3	0	2	0	0	0	0	0	0	0

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 7 SF6 TRACER

	HOUR OF DAY - PDT											09-13-76	
STATION NUMBER	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	
1	****	****	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	****	0	0	0	0	0	
3	0	0	0	0	2	1	0	0	0	0	0	0	
4	****	2	****	0	0	0	0	0	****	****	0	0	
5	0	0	0	0	0	0	0	0	0	0	****	0	
6	0	0	0	0	0	0	0	0	0	0	1	1	
7	0	0	0	0	0	0	0	0	0	0	****	****	
8	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	2	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	2	2	1	4	0	3	0	2	1	2	3	
12	1	0	0	0	0	0	0	0	0	0	0	0	
13	****	****	****	****	****	****	****	****	****	****	4	8	
14	1	0	2	0	1	0	2	0	2	0	****	****	

**** INDICATES UNAVAILABLE OR FAULTY DATA

TABLE 5
ONE-HOUR AVERAGED TRACER CONCENTRATION (PPT)
DELTA REGION TEST NO. 7 SF6 TRACER

STATION NUMBER	HOUR OF DAY - PDT						09-13-76					
	1800	1900	2000	2100	2200	2300	0	100	200	300	400	500
1	0	0	0	0	0	0	0	0	0	0	****	****
2	0	0	0	0	0	0	****	0	1	0	****	****
3	0	0	0	0	****	0	0	0	0	****	0	0
4	1	0	0	0	0	1	0	0	0	0	0	0
5	0	2	0	0	0	0	0	0	0	0	****	****
6	2	0	2	1	0	1	1	0	2	1	****	****
7	****	1	0	0	0	0	****	0	0	0	0	5
8	1	7	2	0	1	2	0	1	2	2	2	****
10	0	0	0	0	0	0	0	0	0	0	0	0
11	2	3	8	0	2	2	1	2	0	0	2	0
12	4	4	7	2	2	3	0	4	6	2	4	0
13	8	3	****	9	0	0	0	0	1	0	****	****

**** INDICATES UNAVAILABLE OR FAULTY DATA