S U M M A R Y F O R A S C E N T # 1

LOCATION: SALINAS CALIFORNIA

SPECIFICS: ELEVATION ESTIMATED

DATE OF LAUNCH: 31 JULY 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 17:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	WIND VELOCITY METERS/SEC (SPEED)	WIND VELOCITY NAUTICAL MILES PER HOUR (SPEED)	WIND VELOCITY (U)	WIND VELOCITY (V)
0.50*	777.0	237.0	93	0.06	141	462	2	298	3.1	6.0	5.3	-2.9
1.00	49.1	118.4	186	0.12	240	817	7	298	5.1	10.0	8.8	-4.6
1.50	38.2	117.9	400	0.25	348	1141	7	297	6.0	11.7	10.5	-5.3
2.00	37.1	117.3	547	0.34	447	1466	7	294	5.5	10.6	9.2	-4.3
2.50	35.2	116.1	727	0.45	546	1791	6	289	6.4	12.4	11.7	-4.0
3.00	33.4	113.8	958	0.59	645	2116	7	314	6.3	12.2	8.8	-8.5
3.50	32.9	122.2	1092	0.68	739	2426	7	303	5.3	10.3	8.6	-5.6
4.00	32.8	116.1	1243	0.77	834	2736	7	296	5.0	9.7	8.7	-4.2
4.50	32.8	120.8	1390	0.86	928	3046	0	340	4.1	8.0	2.7	-7.5
5.00	34.7	121.0	1430	0.89	1023	3356	0	344	2.8	5.4	1.5	-5.2
5.50	35.5	125.1	1514	0.94	1113	3651	0	339	3.2	6.1	2.2	-5.7
6.00	36.4	127.0	1587	0.99	1203	3947	7	337	2.5	4.8	1.9	-4.4
6.50	37.5	127.8	1642	1.02	1293	4242	7	333	0.9	1.9	0.8	-1.6
7.00*	777.0	33.0	1638	1.02	1303	4537	2	110	0.2	0.4	-0.3	0.1
7.50	41.4	127.9	1633	1.01	1473	4832	3	126	0.9	1.7	-1.4	1.0
8.00	44.0	127.9	1584	0.98	1563	5128	3	123	1.5	2.9	-2.5	1.6
8.50	46.4	128.2	1543	0.96	1653	5423	2	83	1.3	2.6	-2.6	-0.3
9.00	48.2	130.0	1539	0.95	1743	5718	1	39	2.2	4.4	-2.7	-3.4
9.50	49.3	133.2	1548	0.96	1833	6014	1	26	2.6	5.0	-2.2	-4.5
10.00	50.2	135.8	1575	0.98	1923	6309	0	2	1.2	2.4	-0.1	-2.4
10.50	51.1	135.2	1598	0.99	2013	6604	6	261	0.9	1.7	1.7	0.3
11.00	52.2	134.0	1606	1.00	2103	6899	6	252	1.5	2.4	2.8	0.9
11.50	52.8	132.4	1640	1.02	2193	7195	5	213	2.1	4.1	2.3	3.4
12.00	54.8	129.5	1587	0.99	2283	7490	5	205	3.4	6.7	2.8	6.0
12.50	55.8	125.3	1590	0.99	2373	7785	5	230	4.4	8.6	6.6	5.5
13.00	55.7	120.4	1658	1.03	2463	8080	5	228	4.7	9.1	6.7	6.1
13.50	56.4	115.9	1674	1.04	2553	8376	5	214	4.0	7.7	6.3	6.4
14.00	57.1	112.3	1688	1.05	2643	8671	5	217	3.5	6.7	4.1	5.4
14.50	57.4	109.1	1727	1.07	2733	8966	5	223	3.9	7.5	5.1	5.5
15.00	57.0	105.3	1784	1.11	2823	9262	5	227	4.2	8.1	5.9	5.6
15.50	57.2	102.2	1856	1.15	2913	9557	5	229	3.8	7.4	5.6	4.9
16.00	57.1	99.6	1921	1.19	3003	9852	7	325	2.4	4.7	2.7	-3.9
16.50	57.3	105.1	1964	1.22	3093	10147	5	218	3.3	6.4	3.9	5.0
17.00	57.3	94.7	2022	1.26	3183	10443	5	205	7.4	14.3	6.1	12.9
17.50	57.2	93.1	2088	1.30	3273	10738	5	232	2.4	4.6	3.6	2.8
18.00	57.4	92.1	2130	1.32	3363	11033	5	228	1.5	2.9	2.2	2.0
18.50	57.8	91.4	2154	1.34	3453	11329	6	262	1.1	2.1	2.1	0.3
19.00	58.0	91.8	2193	1.36	3543	11624	7	321	1.5	3.0	1.9	-2.3
19.50	58.4	93.2	2215	1.38	3633	11919	0	358	5.8	11.3	0.4	-11.3
20.00	58.7	100.7	2244	1.39	3723	12214	0	1	9.8	19.0	-0.4	-19.0

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 2

LOCATION: SALINAS CALIFORNIA

SPECIFICS: DISTRICT ROOF

DATE OF LAUNCH: 1 AUGUST 1972

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 11:00 P.D.T.

TIME	ELEV	AZIMUTH	RANGE		M.S.L. ALTITUDE		DIRECTION		VELOCITY METERS/SEC	VELOCITY NAUTICAL MILES PER HOUR		
MINUTES	D E G R E E S		METERS	MILES	METERS	FEET	CLASS 0- 7	DEGREES	(SPEED)	(SPEED)	(U)	(V)
0.50*	777.0	237.0	97	0.06	141	462	7	320	3.2	6.3	4.1	-4.8
1.00*	777.0	237.0	194	0.12	249	817	7	320	3.2	6.3	4.1	-4.8
1.50	47.2	139.0	292	0.18	348	1141	0	339	0.8	1.6	0.5	-1.5
2.00	59.6	143.8	243	0.15	447	1466	3	128	2.3	4.5	-3.6	2.7
2.50	72.8	150.7	159	0.10	546	1791	3	124	1.7	3.4	-2.8	1.9
3.00	76.3	157.2	149	0.09	645	2116	2	79	1.0	1.9	-1.8	-0.4
3.50	77.9	172.0	151	0.09	739	2426	2	82	1.4	2.7	-2.7	-0.4
4.00	79.3	190.6	151	0.09	834	2736	3	132	0.5	0.9	-0.7	0.6
4.50	81.7	160.3	131	0.08	928	3046	5	234	1.1	2.0	1.7	1.2

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 3

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 3 AUGUST 1978

ELEVATION OF LAUNCH SITE: 109 FEET

TIME OF LAUNCH: 12:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	35.4	135.7	152	0.09	141	462	7	304	4.8	9.4	7.7	-5.3
1.00	36.7	124.4	290	0.18	249	817	6	291	4.0	7.9	7.3	-2.9
1.50	39.2	120.7	386	0.24	348	1141	6	291	2.1	4.0	3.7	-1.4
2.00	45.2	120.4	411	0.26	447	1466	6	279	0.3	0.6	0.5	-0.1
2.50	51.9	119.8	402	0.25	546	1791	6	273	0.6	1.1	1.1	-0.1
3.00	54.2	118.4	441	0.27	645	2116	6	286	1.7	3.3	3.2	-0.9
3.50	54.8	117.1	502	0.31	739	2426	6	279	2.0	3.9	3.9	-0.6
4.00	55.2	114.2	557	0.35	834	2736	6	274	1.9	3.8	3.8	-0.3
4.50	55.7	112.8	611	0.38	928	3046	6	261	1.5	3.0	2.9	0.5
5.00	57.3	109.6	636	0.39	1023	3356	5	236	1.0	2.0	1.6	1.1
5.50	59.4	108.3	646	0.40	1113	3651	4	191	0.8	1.5	0.3	1.5
6.00	61.7	105.5	630	0.39	1203	3947	4	178	1.4	2.7	-0.1	2.7
6.50	63.7	103.0	623	0.39	1293	4242	4	175	1.7	3.3	-0.3	3.3
7.00	66.0	96.3	601	0.37	1383	4537	4	162	1.6	3.1	-1.0	2.9
7.50	68.0	92.8	582	0.36	1473	4832	4	170	1.7	3.3	-0.6	3.3
8.00	69.2	86.5	581	0.36	1563	5128	4	173	1.2	2.3	-0.3	2.4
8.50	70.5	85.5	574	0.36	1653	5423	4	171	2.4	4.7	-0.7	4.6
9.00	71.1	72.2	585	0.36	1743	5718	4	159	3.3	6.3	-2.1	5.9
9.50	73.0	65.4	550	0.34	1833	6014	3	144	2.0	3.9	-2.3	3.2
10.00	73.5	60.4	560	0.35	1923	6309	3	156	1.3	2.5	-1.0	2.3
10.50	74.3	57.6	557	0.35	2013	6604	2	97	0.0	0.1	-0.1	0.0
11.00	74.9	60.3	559	0.35	2103	6899	7	325	1.0	2.0	1.2	-1.7
11.50	75.4	64.0	563	0.35	2193	7195	7	317	1.7	3.2	2.3	-2.4
12.00	75.3	69.8	590	0.37	2283	7490	7	319	2.0	3.9	2.6	-2.9
12.50	75.5	75.0	605	0.38	2373	7785	7	331	1.7	3.4	1.6	-3.0
13.00	75.8	79.5	615	0.38	2463	8080	7	330	1.4	2.8	1.4	-2.4
13.50	75.9	82.6	633	0.39	2553	8376	7	320	1.3	2.5	1.6	-1.9
14.00	75.9	85.3	656	0.41	2643	8671	7	312	1.0	1.9	1.4	-1.3
14.50	76.0	86.4	673	0.42	2733	8966	7	320	0.3	0.5	0.3	-0.4
15.00	76.6	86.4	665	0.41	2823	9262	2	93	0.7	1.3	-1.3	0.1
15.50	77.6	86.0	633	0.39	2913	9557	2	106	0.9	1.7	-1.6	0.5
16.00	78.3	84.7	615	0.38	3003	9852	3	123	0.8	1.6	-1.3	0.9
16.50	79.0	83.2	595	0.37	3093	10147	3	117	1.0	1.9	-1.7	0.8
17.00	79.8	81.6	567	0.35	3183	10443	3	116	1.3	2.5	-2.3	1.1
17.50	80.7	78.6	531	0.33	3273	10738	1	62	1.3	2.6	-2.3	-1.2
18.00	81.6	84.8	492	0.31	3363	11033	3	113	2.1	4.1	-3.8	1.6
18.50	82.8	68.9	432	0.27	3453	11329	3	131	4.0	7.7	-5.9	5.1
19.00	84.0	57.0	369	0.23	3543	11624	3	116	1.7	3.2	-2.9	1.4
19.50	84.1	57.6	372	0.23	3633	11919	3	142	4.8	9.3	-5.7	3.3
20.00	83.1	17.4	447	0.28	3723	12214	3	141	9.6	18.7	-11.7	14.6

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 4

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 3 AUGUST 1970

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 17:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	26.0	120.2	221	0.14	141	462	7	303	7.7	14.9	12.5	-8.2
1.00	25.1	123.1	461	0.29	249	817	7	304	6.1	11.8	9.7	-6.7
1.50	28.3	122.8	585	0.36	348	1141	7	324	2.7	5.2	3.1	-4.2
2.00	34.0	120.8	634	0.38	447	1466	7	328	2.2	4.3	2.3	-3.7
2.50	35.9	127.4	709	0.44	546	1791	7	296	3.7	7.1	6.4	-3.1
3.00	36.4	125.2	830	0.52	645	2116	7	296	4.4	8.5	7.7	-3.7
3.50	36.1	124.3	969	0.60	739	2426	6	285	4.6	9.0	8.7	-2.3
4.00	36.2	120.1	1094	0.68	834	2736	6	262	4.8	9.3	9.2	1.2
4.50	36.8	115.1	1197	0.74	928	3046	5	245	4.9	9.5	8.6	3.9
5.00	37.6	109.5	1286	0.80	1023	3356	5	232	4.2	8.2	6.4	5.1
5.50	39.1	105.3	1329	0.83	1113	3651	5	223	3.0	5.8	3.9	4.3
6.00	40.6	102.5	1365	0.85	1203	3947	5	214	2.7	5.3	2.9	4.4
6.50	42.2	98.9	1390	0.86	1293	4242	5	207	3.3	6.4	2.9	5.6
7.00	43.4	95.0	1428	0.89	1383	4537	5	208	3.1	6.0	2.8	5.3
7.50	44.6	92.0	1460	0.91	1473	4832	4	184	7.3	14.2	1.1	14.1
8.00	45.8	77.8	1488	0.92	1563	5128	4	200	3.7	7.2	2.4	6.8
8.50	46.4	84.1	1543	0.96	1653	5423	6	292	2.5	4.9	4.6	-1.8
9.00	46.6	80.9	1617	1.00	1743	5718	5	204	3.9	7.5	3.1	6.9
9.50	47.1	77.2	1673	1.04	1833	6014	5	210	2.2	4.2	2.1	3.6
10.00	48.6	77.5	1702	1.06	1923	6309	6	288	0.6	1.1	1.1	-0.3
10.50	49.3	77.8	1703	1.06	2013	6604	7	320	0.2	0.3	0.2	-0.3
11.00	50.5	77.3	1706	1.06	2103	6899	0	345	0.7	1.3	0.4	-1.4
11.50	51.7	79.3	1706	1.06	2193	7195	0	352	1.9	3.7	0.5	-3.6
12.00	52.9	84.8	1702	1.06	2283	7490	0	5	1.7	3.3	-0.3	-3.2
12.50	54.3	72.9	1681	1.04	2373	7785	1	24	1.2	2.3	-1.0	-2.1
13.00	55.6	83.7	1664	1.03	2463	8080	1	24	1.3	2.5	-1.0	-2.3
13.50	56.9	84.9	1643	1.02	2553	8376	1	45	1.3	2.5	-1.7	-1.7
14.00	58.4	85.4	1608	1.00	2643	8671	1	64	1.4	2.7	-2.4	-1.2
14.50	59.9	86.0	1565	0.97	2733	8966	1	53	1.6	3.0	-2.4	-1.8
15.00	61.3	87.3	1527	0.95	2823	9262	1	45	1.8	3.4	-2.4	-2.4
15.50	62.7	88.7	1486	0.92	2913	9557	1	53	2.0	3.9	-3.1	-2.3
16.00	64.3	90.0	1449	0.89	3003	9852	2	73	2.4	4.6	-4.4	-1.3
16.50	66.2	90.3	1350	0.84	3093	10147	2	85	2.7	5.3	-5.3	-0.4
17.00	68.1	90.6	1266	0.79	3183	10443	2	94	2.4	4.7	-4.7	0.4
17.50	69.6	89.8	1205	0.75	3273	10738	2	112	1.7	3.3	-3.0	1.2
18.00	70.6	88.8	1173	0.73	3363	11033	3	150	1.2	2.4	-1.2	2.0
18.50	71.1	86.7	1171	0.73	3453	11329	4	161	2.1	4.1	-1.3	3.9
19.00	72.0	82.7	1140	0.71	3543	11624	3	152	3.4	6.6	-3.1	5.8
19.50	73.9	77.1	1101	0.68	3633	11919	3	145	3.7	7.1	-4.0	5.8
20.00	74.0	72.1	1058	0.66	3723	12214	3	140	3.4	6.7	-4.3	5.1

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 5

LOCATION: SALINAS CALIFORNIA

~~SPECIFICS:~~

DATE OF LAUNCH: 4 AUGUST 1978

~~ELEVATION OF LAUNCH SITE: 108. FEET~~

TIME OF LAUNCH: 11:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	50.9	115.1	88	0.05	141	462	6	289	3.0	5.8	5.5	-1.9
1.00	50.5	108.9	178	0.11	249	817	6	263	1.8	3.5	3.4	0.4
1.50	59.3	97.4	187	0.12	348	1141	5	206	0.7	1.4	0.6	1.3
2.00	65.5	95.4	189	0.12	447	1466	7	328	0.2	0.3	0.2	-0.3
2.50	69.3	99.8	194	0.12	546	1791	4	185	0.3	0.5	0.1	0.6
3.00	72.6	90.1	189	0.12	645	2116	4	188	1.2	2.4	0.3	2.3
3.50	73.8	78.9	205	0.13	739	2426	5	213	1.5	3.0	1.6	2.5
4.00	72.6	72.1	251	0.16	834	2736	5	227	2.0	4.0	2.9	2.7
4.50	70.6	67.0	315	0.20	928	3046	6	258	4.3	8.3	5.1	1.7
5.00	62.9	76.3	507	0.31	1023	3356	5	233	2.9	5.6	4.5	3.4
5.50	65.8	62.1	485	0.30	1113	3651	4	164	2.8	5.4	-1.5	5.2
6.00	65.6	57.0	531	0.33	1203	3947	5	205	2.0	4.0	1.7	3.6
6.50	65.0	54.8	588	0.37	1293	4242	5	207	1.6	3.1	1.4	2.7
7.00	65.5	52.6	615	0.38	1383	4537	4	188	0.6	1.2	0.2	1.2
7.50	66.9	52.2	614	0.38	1473	4832	6	284	0.6	1.1	1.1	-0.3
8.00	67.4	55.0	637	0.40	1563	5128	6	289	2.3	4.4	4.1	-1.4
8.50	66.7	61.5	698	0.43	1653	5423	7	296	2.9	5.7	5.2	-2.5
9.00	66.6	67.0	740	0.46	1743	5718	7	316	2.9	5.7	4.0	-4.1
9.50	67.0	74.4	764	0.47	1833	6014	7	333	3.2	6.3	2.9	-5.6
10.00	67.6	81.4	779	0.48	1923	6309	0	355	3.0	5.9	0.5	-5.8
10.50	69.2	88.1	752	0.47	2013	6604	0	19	3.9	7.6	-2.5	-7.2
11.00	71.3	98.7	701	0.44	2103	6899	0	22	4.9	9.4	-3.5	-8.9
11.50	72.3	110.9	669	0.43	2193	7195	0	20	5.4	10.5	-3.7	-9.8
12.00	72.5	125.3	709	0.44	2283	7490	0	20	5.9	11.5	-3.9	-10.8
12.50	71.5	137.9	763	0.49	2373	7785	0	17	5.5	10.8	-3.1	-10.3
13.00	70.2	146.4	875	0.54	2463	8080	0	359	4.0	7.8	0.2	-7.8
13.50	68.8	147.1	977	0.61	2553	8376	0	10	4.5	8.8	-1.5	-8.6
14.00	67.4	156.3	1086	0.68	2643	8671	1	24	5.5	10.7	-4.3	-9.8
14.50	66.2	160.5	1191	0.74	2733	8966	1	28	5.0	9.8	-4.6	-8.6
15.00	65.1	166.9	1295	0.80	2823	9262	1	36	5.5	10.7	-6.3	-8.7
15.50	64.0	171.7	1405	0.87	2913	9557	1	40	5.0	9.7	-6.3	-7.4
16.00	63.3	176.2	1494	0.93	3003	9852	1	53	4.6	9.0	-7.2	-5.5
16.50	63.0	180.7	1559	0.97	3093	10147	1	63	3.4	6.6	-5.9	-3.0
17.00	63.3	183.0	1584	0.98	3183	10443	2	82	2.5	4.9	-4.8	-0.6
17.50	63.9	186.0	1587	0.99	3273	10738	2	106	2.9	5.7	-5.4	1.6
18.00	65.0	189.3	1553	0.96	3363	11033	3	134	4.0	7.8	-5.6	5.4
18.50	67.0	193.5	1452	0.90	3453	11329	3	146	5.6	10.9	-6.1	9.1
19.00	69.3	199.3	1326	0.82	3543	11624	3	149	6.1	11.8	-6.1	10.1
19.50	71.3	205.6	1219	0.76	3633	11919	3	150	6.1	11.8	-5.8	10.3
20.00	73.1	213.5	1121	0.70	3723	12214	3	151	6.3	12.2	-6.0	10.6

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 6

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 4 AUGUST 1970

ELEVATION OF LAUNCH SITE: 100 FEET

TIME OF LAUNCH: 17:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	25.0	123.5	232	0.14	141	462	7	303	7.4	14.3	12.0	-7.0
1.00	25.0	123.0	443	0.28	249	817	7	302	6.4	12.4	10.5	-6.6
1.50	27.1	122.7	616	0.38	346	1141	7	297	4.7	9.2	8.2	-4.2
2.00	29.7	120.7	726	0.45	447	1466	6	290	4.8	9.2	8.7	-3.1
2.50	29.8	118.6	896	0.56	546	1791	7	297	5.0	9.6	8.6	-4.4
3.00	30.9	119.7	1023	0.64	645	2116	7	294	4.5	8.8	8.0	-3.6
3.50	31.2	117.6	1167	0.72	739	2426	6	282	4.7	9.2	9.0	-1.9
4.00	31.7	115.9	1297	0.81	834	2736	6	271	5.0	9.7	9.7	-0.1
4.50	31.9	112.2	1439	0.89	928	3046	6	269	5.3	10.2	10.2	0.2
5.00	32.9	110.2	1584	0.99	1023	3356	6	272	3.5	6.8	6.8	-0.2
5.50	33.4	109.6	1638	1.02	1113	3651	5	224	1.7	3.4	2.3	2.5
6.00	35.7	107.3	1628	1.01	1203	3947	4	170	0.9	1.7	-0.3	1.7
6.50	38.0	108.0	1613	1.00	1293	4242	2	80	0.8	1.5	-1.5	-0.3
7.00	40.4	108.1	1586	0.99	1383	4537	2	100	1.6	3.1	-3.1	0.5
7.50	43.5	108.5	1517	0.94	1473	4832	1	62	1.9	3.8	-3.3	-1.8
8.00	45.6	111.3	1509	0.94	1563	5128	0	15	3.2	6.3	-1.6	-6.1
8.50	46.4	115.7	1543	0.96	1653	5423	0	2	4.1	7.9	-0.3	-7.9
9.00	46.6	118.6	1608	1.00	1743	5718	6	278	3.0	5.8	5.7	-0.8
9.50	46.4	113.9	1714	1.07	1833	6014	0	356	4.8	9.3	0.7	-9.3
10.00	44.7	127.4	1781	1.11	1923	6309	0	3	9.9	19.2	-0.9	-19.2
10.50	44.5	129.9	2008	1.25	2013	6604	7	333	7.0	13.6	6.2	-12.1
11.00	43.7	132.1	2166	1.35	2103	6899	0	343	5.8	11.3	3.2	-10.9
11.50	43.1	134.7	2308	1.43	2193	7195	0	353	5.9	11.3	1.3	-11.2
12.00	42.7	137.5	2438	1.52	2283	7490	0	1	5.9	11.4	-0.2	-11.4
12.50	42.4	140.4	2563	1.59	2373	7785	0	7	5.8	11.4	-1.4	-11.3
13.00	42.2	143.2	2680	1.67	2463	8080	0	15	7.0	13.6	-3.4	-13.1
13.50	41.7	147.3	2828	1.76	2553	8376	0	18	7.7	15.0	-4.6	-14.2
14.00	41.3	150.5	2971	1.85	2643	8671	0	17	7.1	13.7	-4.1	-13.1
14.50	40.9	153.3	3117	1.94	2733	8966	0	19	6.8	13.2	-4.3	-12.5
15.00	40.6	155.9	3255	2.02	2823	9262	0	22	6.7	13.0	-4.9	-12.1
15.50	40.3	158.4	3396	2.11	2913	9557	1	23	7.0	13.6	-5.4	-12.5
16.00	39.9	160.9	3552	2.21	3003	9852	1	30	6.8	13.1	-6.6	-11.3
16.50	39.4	163.4	3660	2.27	3093	10147	6	256	17.4	33.8	32.8	8.0
17.00	39.7	145.0	3794	2.36	3183	10443	1	26	5.0	9.8	-4.2	-8.8
17.50	39.8	166.4	3889	2.42	3273	10738	1	63	25.1	48.8	-43.4	-22.2
18.00	40.6	167.6	3885	2.41	3363	11033	2	94	3.0	5.9	-5.9	0.4
18.50	41.7	169.0	3839	2.39	3453	11329	2	107	3.8	7.4	-7.0	2.2
19.00	42.9	170.6	3777	2.35	3543	11624	3	115	4.8	9.3	-8.4	4.0
19.50	44.4	172.6	3676	2.28	3633	11919	2	102	5.2	10.0	-9.8	2.0
20.00	45.1	175.1	3677	2.28	3723	12214	2	84	5.3	10.4	-10.3	-1.2

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 7

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 7 AUGUST 1979

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 1200 P.D.T.

TIME MINUTES	ELEV. D E G R E E S	AZIMUTH D E G R E E S	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	54.9	121.1	76	0.05	141	462	7	306	2.2	4.2	3.4	-2.5
1.00	58.8	125.8	131	0.08	249	817	6	292	1.6	3.0	2.8	-1.2
1.50	61.8	116.3	169	0.10	348	1141	6	266	1.5	3.0	2.9	0.2
2.00	63.2	109.5	209	0.13	447	1466	5	241	2.6	5.1	4.5	2.5
2.50	60.5	89.7	290	0.18	546	1791	5	242	4.2	8.1	7.2	3.8
3.00	55.5	83.7	421	0.26	645	2116	6	251	3.8	7.3	6.9	2.4
3.50	54.2	91.3	510	0.32	739	2426	5	239	3.7	7.2	6.1	3.7
4.00	51.9	75.1	628	0.39	834	2736	5	235	4.2	8.2	6.7	4.7
4.50	50.2	72.6	746	0.46	928	3046	5	247	3.5	6.7	6.2	2.7
5.00	49.9	73.0	834	0.52	1023	3356	6	259	3.2	6.3	6.2	1.2
5.50	49.0	74.0	939	0.58	1113	3651	6	269	2.6	5.0	5.0	0.1
6.00	50.0	75.5	982	0.61	1203	3947	7	330	2.1	4.1	2.1	-3.5
6.50	52.2	81.2	977	0.61	1293	4242	0	5	3.1	6.1	-0.6	-6.1
7.00	55.3	86.4	935	0.58	1383	4537	0	6	2.5	4.9	-0.5	-4.7
7.50	56.6	89.8	950	0.59	1473	4832	0	340	1.7	3.2	1.1	-3.0
8.00	57.7	92.1	967	0.60	1563	5128	7	326	1.2	2.4	1.3	-2.0
8.50	58.5	93.4	993	0.62	1653	5423	7	312	1.3	2.5	1.8	-1.7
9.00	59.0	94.9	1027	0.64	1743	5718	6	283	1.5	2.9	2.8	-0.7
9.50	59.0	94.2	1082	0.67	1833	6014	6	283	1.1	2.2	2.2	-0.5
10.00	59.9	95.4	1096	0.68	1923	6309	7	324	1.8	3.4	2.0	-2.8
10.50	59.8	98.2	1152	0.72	2013	6604	7	328	3.0	5.9	3.1	-5.0
11.00	59.6	102.2	1214	0.75	2103	6899	0	338	3.5	6.9	2.6	-6.4
11.50	59.5	106.5	1272	0.79	2193	7195	0	1	3.0	5.9	-0.1	-5.9
12.00	60.7	110.3	1263	0.78	2283	7490	1	33	2.8	5.5	-3.0	-4.5
12.50	62.2	114.0	1234	0.77	2373	7785	1	59	3.5	6.8	-5.8	-3.5
13.00	64.6	118.6	1143	0.71	2463	8080	1	50	3.8	7.4	-5.6	-4.8
13.50	65.4	124.3	1154	0.72	2553	8376	1	33	3.6	7.0	-3.9	-5.9
14.00	66.3	129.5	1146	0.71	2643	8671	1	39	3.7	7.2	-4.6	-5.6
14.50	66.8	135.4	1157	0.72	2733	8966	1	35	4.0	7.9	-4.5	-0.4
15.00	66.9	141.2	1190	0.74	2823	9262	1	43	3.6	7.0	-4.8	-5.1
15.50	67.6	145.9	1187	0.74	2913	9557	1	54	2.9	5.7	-4.6	-3.3
16.00	68.1	149.7	1194	0.74	3003	9852	2	78	3.8	7.4	-7.2	-1.5
16.50	69.9	156.7	1120	0.70	3093	10147	2	90	3.8	7.5	-7.5	0.0
17.00	70.8	160.2	1097	0.68	3183	10443	2	91	2.3	4.4	-4.4	0.1
17.50	71.7	163.4	1072	0.67	3273	10738	2	108	2.1	4.1	-4.0	1.2
18.00	72.9	165.9	1024	0.64	3363	11033	3	113	2.7	5.3	-4.9	2.1
18.50	74.1	170.8	974	0.61	3453	11329	3	115	3.3	6.3	-5.8	2.7
19.00	75.4	175.5	914	0.57	3543	11624	3	123	3.3	6.5	-5.4	3.6
19.50	76.7	180.8	851	0.53	3633	11919	3	130	3.9	7.5	-5.8	4.8
20.00	78.2	188.0	771	0.48	3723	12214	3	133	4.3	8.4	-6.2	5.7

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 8

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 7 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 17:00 P.D.T.

TIME (MINUTES)	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	47.5	112.8	99	0.06	141	462	7	293	4.4	8.6	7.9	-3.3
1.00*	777.0	237.0	265	0.16	249	817	7	293	5.5	10.7	9.9	-4.2
1.50	36.2	112.9	430	0.27	348	1141	6	279	5.1	9.9	9.8	-1.5
2.00	36.3	105.3	564	0.35	447	1466	6	256	3.9	7.5	7.3	1.9
2.50	39.1	100.0	631	0.39	546	1791	6	268	2.2	4.2	4.2	0.1
3.00	41.5	102.1	692	0.43	645	2116	7	305	3.6	7.0	5.8	-4.0
3.50	40.3	106.3	833	0.52	739	2426	7	310	4.6	9.0	7.0	-5.8
4.00	40.3	109.9	948	0.59	834	2736	7	313	4.3	8.4	6.1	-5.8
4.50	39.9	112.6	1071	0.67	928	3046	7	314	3.9	7.7	5.5	-5.3
5.00	40.3	114.7	1167	0.73	1023	3356	7	312	3.2	6.1	4.6	-4.1
5.50	40.8	115.6	1251	0.78	1113	3651	7	315	2.7	5.3	3.7	-3.8
6.00	41.5	117.2	1332	0.82	1203	3947	7	328	3.1	5.9	3.1	-5.0
6.50	41.8	119.5	1409	0.88	1293	4242	7	326	3.2	6.2	3.5	-5.2
7.00	42.1	120.8	1494	0.93	1383	4537	7	326	2.9	5.6	3.1	-4.6
7.50	42.6	122.3	1566	0.97	1473	4832	0	340	2.5	4.9	1.6	-4.6
8.00	43.5	124.2	1612	1.00	1563	5128	0	353	2.7	5.2	0.6	-5.2
8.50	44.1	126.6	1672	1.04	1653	5423	0	357	3.2	6.2	0.3	-6.1
9.00	44.6	129.2	1734	1.08	1743	5718	0	359	3.8	7.3	0.2	-7.3
9.50	44.7	132.2	1819	1.13	1833	6014	0	4	4.3	8.4	-0.5	-8.4
10.00	44.9	135.5	1897	1.18	1923	6309	0	0	5.4	10.5	-0.1	-10.5
10.50	44.6	139.0	2050	1.27	2013	6604	0	9	4.9	9.5	-1.5	-9.4
11.00	44.8	142.1	2065	1.30	2103	6899	0	22	4.2	8.1	-3.1	-7.5
11.50	44.8	144.9	2175	1.35	2193	7195	6	276	4.3	8.4	8.4	-0.9
12.00	44.7	147.4	2274	1.41	2283	7490	0	11	4.4	8.5	-1.6	-8.3
12.50	44.7	149.5	2369	1.47	2373	7785	1	40	10.0	19.5	-12.7	-14.8
13.00	45.1	151.7	2422	1.50	2463	8080	1	35	3.5	6.9	-4.0	-5.6
13.50	45.7	154.0	2459	1.53	2553	8376	1	50	3.2	6.3	-4.8	-4.0
14.00	46.6	156.1	2480	1.53	2643	8671	1	58	2.8	5.5	-4.7	-2.9
14.50	47.4	157.9	2483	1.54	2733	8966	1	48	2.6	5.1	-3.8	-3.4
15.00	47.9	159.5	2521	1.57	2823	9262	1	43	2.4	4.8	-3.2	-3.5
15.50	48.5	160.9	2548	1.58	2913	9557	1	37	2.3	4.5	-2.7	-3.7
16.00	48.8	162.1	2600	1.62	3003	9852	1	26	1.9	3.8	-1.7	-3.4
16.50	49.3	162.7	2632	1.64	3093	10147	0	4	1.5	2.8	-0.2	-2.8
17.00	49.6	162.8	2681	1.67	3183	10443	0	9	1.4	2.8	-0.4	-2.7
17.50	50.1	163.5	2709	1.68	3273	10738	1	39	1.0	2.0	-1.3	-1.6
18.00	50.5	163.9	2716	1.69	3363	11033	3	118	0.7	1.3	-1.1	0.6
18.50	51.9	164.1	2682	1.67	3453	11329	3	144	1.6	3.1	-1.8	2.5
19.00	53.2	164.6	2626	1.63	3543	11624	3	136	2.4	4.6	-3.2	3.3
19.50	54.8	165.6	2558	1.59	3633	11919	3	130	2.8	5.5	-4.2	3.5
20.00	56.0	166.8	2489	1.55	3723	12214	3	129	2.9	5.7	-4.4	3.6

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 9

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 8 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 11:00 P.D.T.

TIME MINUTES	ELEV. D E G R E E S	AZIMUTH D E G R E E S	R A N G E METERS	R A N G E MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	D I R E C T I O N CLASS 0- 7	D I R E C T I O N DEGREES	V E L O C I T Y METERS/SEC (SPEED)	V E L O C I T Y NAUTICAL MILES PER HOUR (SPEED)	V E L O C I T Y (U)	V E L O C I T Y (V)
0.50*	77.0	237.0	107	0.07	141	462	6	284	3.5	6.9	6.7	-1.6
1.00	45.4	103.6	213	0.13	249	817	6	287	2.9	5.6	5.4	-1.6
1.50	48.3	105.5	281	0.17	348	1141	4	174	0.1	0.2	0.0	0.2
2.00	63.0	102.0	211	0.13	447	1466	3	122	2.3	4.5	-3.8	2.4
2.50	73.5	90.0	152	0.09	546	1791	2	98	1.5	3.0	-3.0	0.4
3.00	79.0	105.0	119	0.07	645	2116	1	48	1.4	2.7	-2.0	-1.8
3.50	81.4	121.2	107	0.07	739	2426	2	96	1.3	2.6	-2.6	0.3
4.00	87.0	122.0	42	0.03	834	2736	3	120	2.6	5.0	-4.3	2.5
4.50	87.0	290.0	47	0.03	928	3046	2	105	2.4	4.6	-4.4	1.2
5.00	84.1	278.0	102	0.06	1023	3356	2	78	2.6	5.0	-4.9	-1.0
5.50	79.9	267.0	192	0.12	1113	3651	2	79	3.0	5.9	-5.8	-1.2
6.00	76.5	265.6	281	0.17	1203	3947	2	87	2.9	5.7	-5.7	-0.3
6.50	73.7	267.2	368	0.23	1293	4242	2	89	3.3	6.5	-6.5	-0.1
7.00	70.4	267.0	481	0.30	1383	4537	2	85	3.8	7.4	-7.4	-0.7
7.50	67.5	266.2	596	0.37	1473	4832	2	89	3.6	6.9	-6.9	-0.2
8.00	65.6	267.5	694	0.43	1563	5128	2	104	3.1	6.0	-5.9	1.5
8.50	64.4	270.5	776	0.48	1653	5423	2	102	2.5	4.9	-4.8	1.0
9.00	63.8	270.1	841	0.52	1743	5718	2	78	1.7	3.2	-3.2	-0.7
9.50	64.1	269.1	874	0.54	1833	6014	1	46	1.4	2.8	-2.0	-1.9
10.00	64.9	266.3	906	0.56	1923	6309	1	26	2.0	3.9	-1.7	-3.5
10.50	64.7	262.5	836	0.58	2013	6604	0	18	2.2	4.2	-1.3	-4.0
11.00	65.1	259.1	961	0.60	2103	6899	0	10	2.2	4.4	-0.7	-4.3
11.50	65.5	255.0	984	0.61	2193	7195	0	2	3.0	5.9	-0.2	-5.9
12.00	65.7	249.0	1016	0.63	2283	7490	0	356	3.4	6.6	0.5	-6.5
12.50	66.0	244.0	1042	0.65	2373	7785	0	346	2.7	5.2	1.2	-5.0
13.00*	77.0	237.0	1057	0.66	2463	8080	7	337	2.3	4.4	1.7	-4.1
13.50*	77.0	237.0	1071	0.67	2553	8376	7	337	2.3	4.4	1.7	-4.1
14.00*	77.0	237.0	1086	0.67	2643	8671	7	337	2.3	4.4	1.7	-4.1
14.50*	77.0	237.0	1101	0.68	2733	8966	7	337	2.3	4.4	1.7	-4.1
15.00	68.2	226.2	1116	0.69	2823	9262	7	336	2.4	4.6	1.9	-4.2
15.50	68.4	222.7	1140	0.71	2913	9557	7	335	2.2	4.2	1.8	-3.8
16.00	68.6	220.1	1164	0.72	3003	9852	7	335	1.8	3.6	1.5	-3.2
16.50	68.8	217.8	1187	0.74	3093	10147	7	318	1.8	3.6	2.4	-2.7
17.00	69.4	214.8	1184	0.74	3183	10443	7	301	2.3	4.5	3.8	-2.3
17.50	70.0	211.1	1179	0.73	3273	10738	7	301	2.9	5.6	4.7	-2.9
18.00	70.4	206.5	1186	0.74	3363	11033	7	306	3.1	6.1	4.9	-3.6
18.50	70.5	202.2	1211	0.75	3453	11329	7	308	3.1	6.0	4.8	-3.7
19.00	70.6	198.0	1236	0.77	3543	11624	7	307	2.9	5.7	4.5	-3.4
19.50	70.6	194.5	1268	0.79	3633	11919	7	299	2.3	4.5	3.9	-2.2
20.00	71.0	191.9	1271	0.79	3723	12214	6	286	1.9	3.7	3.6	-1.0

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 10

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 8 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 1700 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	33.5	117.1	163	0.10	141	462	7	296	6.0	11.6	10.4	-5.1
1.00	31.1	116.1	359	0.22	249	817	7	296	6.3	12.2	11.0	-5.4
1.50	30.2	116.6	541	0.34	348	1141	7	312	5.3	10.2	7.6	-6.9
2.00	31.8	123.6	668	0.41	447	1466	7	328	4.2	8.2	4.3	-7.0
2.50	33.7	126.0	769	0.48	546	1791	7	305	4.4	8.5	7.0	-4.9
3.00	33.3	124.0	933	0.58	645	2116	7	301	4.8	9.3	7.9	-4.8
3.50	33.8	125.2	1055	0.66	739	2426	7	326	4.4	8.6	4.8	-7.2
4.00	34.1	128.9	1183	0.74	834	2736	7	336	4.3	8.3	3.4	-7.6
4.50	34.9	131.1	1284	0.80	928	3046	7	328	5.1	9.0	5.2	-8.4
5.00	33.9	132.3	1473	0.92	1023	3356	7	323	5.2	10.1	6.0	-8.1
5.50	34.2	133.5	1589	0.99	1113	3651	7	316	3.1	6.0	4.1	-4.4
6.00	35.2	133.2	1659	1.03	1203	3947	7	302	2.6	5.0	4.2	-2.7
6.50	35.9	132.5	1741	1.08	1293	4242	6	288	2.7	5.2	4.9	-1.6
7.00	36.0	131.0	1806	1.12	1383	4537	7	301	2.5	4.9	4.2	-2.6
7.50	37.3	131.6	1890	1.17	1473	4832	7	333	2.9	5.6	2.5	-5.0
8.00	37.9	132.9	1965	1.22	1563	5128	0	355	3.4	6.6	0.6	-6.6
8.50	38.4	135.5	2044	1.27	1653	5423	0	353	3.4	6.7	0.8	-6.6
9.00	38.6	136.5	2127	1.32	1743	5718	0	358	3.1	6.0	0.2	-6.0
9.50	39.5	138.8	2184	1.36	1833	6014	0	15	3.5	6.8	-1.8	-6.6
10.00	40.1	141.1	2244	1.39	1923	6309	0	16	3.4	6.7	-1.8	-6.4
10.50	40.7	143.1	2302	1.43	2013	6604	0	15	3.0	5.9	-1.5	-5.7
11.00	41.3	144.7	2356	1.46	2103	6899	0	19	2.8	5.4	-1.8	-5.1
11.50	42.0	146.4	2399	1.49	2193	7195	0	22	2.7	5.2	-2.0	-4.8
12.00	42.6	147.9	2447	1.52	2283	7490	0	22	2.4	4.6	-1.7	-4.3
12.50	43.3	149.1	2483	1.54	2373	7785	1	24	2.3	4.4	-1.8	-4.0
13.00	43.9	150.6	2529	1.57	2463	8080	1	23	2.5	4.8	-1.9	-4.4
13.50	44.4	151.8	2573	1.60	2553	8376	0	21	2.9	5.6	-2.0	-5.2
14.00	44.7	153.4	2637	1.64	2643	8671	1	24	3.3	6.4	-2.6	-5.9
14.50	45.0	155.1	2700	1.68	2733	8966	0	20	3.8	7.4	-2.5	-7.0
15.00	44.9	156.8	2800	1.74	2823	9262	0	0	4.0	7.8	0.0	-7.8
15.50	44.8	157.1	2921	1.81	2913	9557	0	6	4.8	9.3	-0.9	-9.2
16.00	44.2	159.4	3054	1.90	3003	9852	0	11	5.5	10.8	-2.0	-10.6
16.50	43.7	160.4	3202	1.99	3093	10147	0	0	5.7	11.1	0.1	-11.1
17.00	43.0	161.4	3378	2.10	3183	10443	0	358	6.0	11.7	0.3	-11.7
17.50	42.4	162.2	3549	2.20	3273	10738	0	355	5.7	11.1	1.0	-11.0
18.00	41.9	162.6	3711	2.31	3363	11033	0	351	5.3	10.4	1.7	-10.2
18.50	41.5	162.9	3866	2.40	3453	11329	0	347	4.7	9.2	2.1	-9.0
19.00	41.3	162.9	3995	2.48	3543	11624	0	345	4.1	8.0	2.1	-7.7
19.50	41.2	163.0	4112	2.56	3633	11919	0	341	3.9	7.6	2.5	-7.2
20.00	41.1	162.8	4230	2.63	3723	12214	7	336	4.0	7.7	3.1	-7.0

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 11

LOCATION: SALINAS CALIFORNIA

SPECIFICS: DISAPPEARED INTO CLOUDS AT 3:00 MINS

DATE OF LAUNCH: 9 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 10:00 P.D.T.

TIME	ELEV.	AZIMUTH	R A N G E		M.S.L. ALTITUDE		D I R E C T I O N		=====V E L O C I T Y===== METERS/SEC	NAUTICAL MILES PER HOUR		
MINUTES	D E G R E E S		METERS	MILES	METERS	FEET	CLASS 0- 7	DEGREES	(SPEED)	(SPEED)	(U)	(V)
0.50	46.3	124.3	103	0.06	141	462	7	307	3.7	7.3	5.8	-4.3
1.00	43.9	126.6	224	0.14	249	817	7	318	3.3	6.3	4.2	-4.7
1.50	46.7	133.5	297	0.18	348	1141	0	341	2.4	4.7	1.5	-4.4
2.00	49.6	140.1	352	0.22	447	1466	0	10	1.3	2.6	-0.4	-2.6
2.50	55.8	144.6	349	0.22	546	1791	0	340	1.2	2.3	0.8	-2.1
3.00	55.6	143.3	419	0.26	645	2116	7	317	2.4	4.6	3.1	-3.4

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 12

LOCATION: SALINAS - CALIFORNIA

SPECIFICS: FIRST DAY OF INTENSIVE STUDY

DATE OF LAUNCH: 9 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 13:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	56.0	124.2	73	0.05	141	462	7	308	3.1	6.1	4.0	-3.8
1.00	49.0	126.4	146	0.10	249	817	7	323	4.6	8.9	5.4	-7.0
1.50	42.5	138.0	344	0.21	348	1141	7	333	4.3	8.3	3.8	-7.4
2.00	43.7	142.6	433	0.27	447	1466	7	324	3.1	6.1	3.6	-4.9
2.50	44.0	140.5	531	0.33	546	1791	7	308	3.5	6.9	5.4	-4.2
3.00	43.7	137.9	640	0.40	645	2116	7	319	3.4	6.7	4.3	-5.1
3.50	43.8	140.2	737	0.46	739	2426	0	349	3.1	6.1	1.2	-6.0
4.00	44.8	144.8	807	0.50	834	2736	0	6	2.5	4.9	-0.5	-4.9
4.50	46.5	147.6	850	0.53	928	3046	0	3	2.7	5.2	-0.3	-5.2
5.00	46.5	150.9	939	0.58	1023	3356	0	354	3.1	6.0	0.6	-5.9
5.50	46.7	152.2	1018	0.63	1113	3651	0	349	3.3	6.4	1.2	-6.3
6.00	46.0	154.1	1130	0.70	1203	3947	0	2	5.0	9.7	-0.4	-9.7
6.50	44.4	158.9	1287	0.80	1293	4242	0	7	6.6	12.8	-1.5	-12.7
7.00	43.4	162.4	1478	0.92	1383	4537	0	4	7.2	13.9	-0.9	-13.9
7.50	40.5	165.0	1686	1.05	1473	4832	0	2	7.2	13.9	-0.4	-13.9
8.00	39.0	166.7	1889	1.17	1563	5128	0	5	5.8	11.2	-1.0	-11.2
8.50	38.8	168.4	2015	1.25	1653	5423	0	7	7.0	13.5	-1.6	-13.4
9.00	36.8	170.3	2286	1.42	1743	5718	0	11	7.0	13.5	-2.5	-13.3
9.50	36.8	172.2	2406	1.50	1833	6014	0	13	7.7	15.0	-3.4	-14.6
10.00	34.8	174.1	2719	1.69	1923	6309	0	13	9.3	18.1	-3.9	-17.6
10.50	34.0	176.0	2936	1.82	2013	6604	0	18	7.6	14.7	-4.6	-14.0
11.00	33.4	177.5	3139	1.95	2103	6899	0	18	7.2	14.0	-4.4	-13.3
11.50	32.9	178.0	3339	2.07	2193	7195	0	19	7.2	14.0	-4.6	-13.2
12.00	32.4	180.1	3545	2.20	2283	7490	0	20	7.2	14.0	-4.8	-13.1
12.50	32.0	181.2	3745	2.33	2373	7785	0	21	6.9	13.4	-4.7	-12.5
13.00	31.7	182.2	3936	2.44	2463	8080	0	19	6.7	13.0	-4.2	-12.3
13.50	31.4	182.9	4128	2.57	2553	8376	0	14	6.9	13.5	-3.2	-13.1
14.00	31.0	183.3	4344	2.70	2643	8671	0	16	3.9	7.5	-2.1	-7.2
14.50	31.8	183.6	4355	2.71	2733	8966	0	21	6.2	12.0	-4.4	-11.2
15.00	30.2	184.7	4694	2.92	2823	9262	0	5	8.9	17.3	-1.6	-17.2
15.50	30.5	183.8	4889	3.04	2913	9557	0	353	6.5	12.7	1.6	-12.6
16.00	30.3	183.8	5083	3.16	3003	9852	0	7	6.1	11.9	-1.4	-11.9
16.50	30.2	184.0	5258	3.27	3093	10147	0	10	5.5	10.7	-1.9	-10.6
17.00	30.2	184.2	5412	3.36	3183	10443	0	14	4.8	9.4	-2.2	-9.2
17.50	30.3	184.5	5545	3.45	3273	10738	0	14	4.1	7.9	-1.8	-7.7
18.00	30.5	184.6	5653	3.51	3363	11033	0	12	3.6	7.0	-1.5	-6.9
18.50	30.7	184.8	5760	3.58	3453	11329	3	120	0.5	1.1	-0.9	0.5
19.00	31.9	184.9	5639	3.50	3543	11624	0	12	2.7	5.3	-1.1	-5.1
19.50	31.3	185.0	5921	3.68	3633	11919	0	8	5.6	10.9	-1.6	-10.8
20.00	31.7	185.1	5975	3.71	3723	12214	0	16	1.8	3.5	-1.0	-3.4

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 13

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 9 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 1710 P.D.T.

TIME MINUTES	ELEV. D E G R E E S	AZIMUTH D E G R E E S	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	41.6	131.0	122	0.08	141	462	7	308	4.0	7.8	6.2	-4.8
1.00	41.7	127.7	242	0.15	249	817	7	315	4.5	8.7	6.1	-6.1
1.50	39.0	133.6	389	0.24	348	1141	7	322	4.2	8.2	5.1	-6.5
2.00	40.0	135.0	493	0.31	447	1466	7	309	4.5	8.8	6.8	-5.5
2.50	37.9	131.8	659	0.41	546	1791	7	302	6.4	12.4	10.6	-6.5
3.00	35.1	129.2	871	0.54	645	2116	7	304	6.5	12.7	10.5	-7.0
3.50	34.0	128.8	1047	0.65	739	2426	7	301	4.6	8.9	7.6	-4.6
4.00	35.0	127.3	1144	0.71	834	2736	7	303	3.1	6.0	5.1	-3.3
4.50	36.0	127.9	1233	0.77	928	3046	7	330	3.6	7.0	3.6	-6.1
5.00	36.3	130.8	1348	0.84	1023	3356	0	347	5.3	10.3	2.3	-10.0
5.50	35.9	135.6	1492	0.93	1113	3651	0	354	6.8	13.3	1.4	-13.2
6.00	35.0	140.5	1671	1.04	1203	3947	0	0	7.2	13.9	0.1	-13.9
6.50	34.6	145.0	1826	1.13	1293	4242	0	5	6.4	12.4	-1.0	-12.4
7.00	34.5	148.3	1964	1.22	1383	4537	0	5	5.6	10.9	-0.9	-10.8
7.50	34.5	150.9	2095	1.30	1473	4832	0	6	5.4	10.4	-1.1	-10.3
8.00	34.5	153.4	2226	1.38	1563	5128	0	8	5.6	11.0	-1.5	-10.9
8.50	34.3	155.8	2375	1.48	1653	5423	0	11	5.9	11.4	-2.2	-11.2
9.00	34.2	158.3	2516	1.56	1743	5718	0	17	6.2	12.1	-3.5	-11.6
9.50	34.0	161.1	2669	1.66	1833	6014	0	12	8.1	15.7	-3.3	-15.4
10.00	32.8	163.6	2933	1.82	1923	6309	0	19	6.8	13.3	-4.3	-12.5
10.50	33.4	165.9	3003	1.87	2013	6604	1	29	5.8	11.3	-5.5	-9.9
11.00	33.0	168.1	3188	1.98	2103	6899	0	20	7.4	14.3	-4.9	-13.4
11.50	32.6	170.1	3378	2.10	2193	7195	0	17	6.5	12.6	-3.8	-12.0
12.00	32.5	171.2	3532	2.19	2283	7490	0	13	5.3	10.3	-2.3	-10.0
12.50	32.5	172.0	3673	2.28	2373	7785	0	9	5.2	10.1	-1.5	-9.9
13.00	32.4	172.6	3829	2.38	2463	8080	0	7	4.9	9.4	-1.2	-9.4
13.50	32.5	173.1	3956	2.46	2553	8376	0	6	5.1	10.0	-1.1	-9.9
14.00	32.3	173.6	4129	2.57	2643	8671	0	5	5.6	10.9	-0.9	-10.9
14.50	32.2	174.0	4288	2.66	2733	8966	0	3	5.4	10.5	-0.6	-10.4
15.00	32.1	174.3	4448	2.76	2823	9262	0	355	5.4	10.4	0.8	-10.4
15.50	32.0	174.1	4609	2.86	2913	9557	0	348	5.4	10.5	2.1	-10.3
16.00	31.9	173.9	4772	2.96	3003	9852	0	347	5.8	11.3	2.5	-11.0
16.50	31.7	173.6	4955	3.08	3093	10147	0	347	5.9	11.4	2.6	-11.1
17.00	31.6	173.4	5120	3.18	3183	10443	0	345	6.0	11.6	3.1	-11.2
17.50	31.4	173.0	5308	3.30	3273	10738	0	344	6.0	11.7	3.2	-11.2
18.00	31.3	172.8	5477	3.40	3363	11033	0	350	5.7	11.0	2.0	-10.8
18.50	31.2	172.8	5647	3.51	3453	11329	0	353	5.3	10.3	1.3	-10.2
19.00	31.2	172.8	5796	3.60	3543	11624	0	355	5.0	9.6	0.9	-9.6
19.50	31.2	172.9	5944	3.69	3633	11919	0	359	5.0	9.7	0.2	-9.7
20.00	31.2	173.1	6093	3.79	3723	12214	0	1	5.0	9.7	-0.2	-9.7

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 14

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 11 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 11:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	33.7	106.3	162	0.10	141	462	6	286	5.0	9.7	9.3	-2.7
1.00	35.8	108.4	299	0.19	249	817	7	295	3.0	5.8	5.3	-2.5
1.50	42.7	110.8	341	0.21	348	1141	7	319	1.6	3.1	2.1	-2.4

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 15

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 11 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 17:37 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	A.S.L. ALTITUDE METERS	A.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	35.0	119.8	154	0.10	141	462	7	303	4.1	8.0	6.7	-4.4
1.00	41.1	123.2	248	0.15	249	817	7	304	3.8	7.4	6.2	-4.1
1.50	39.4	122.2	383	0.24	348	1141	6	258	5.1	9.9	9.6	2.1
2.00	39.1	97.9	509	0.32	447	1466	6	249	5.1	10.0	9.3	3.5
2.50	39.6	98.8	620	0.39	546	1791	7	293	4.6	9.0	8.3	-3.5
3.00	36.1	103.1	781	0.48	645	2116	6	291	6.8	13.1	12.3	-4.8
3.50	34.7	103.7	1020	0.63	739	2426	6	285	7.1	13.8	13.3	-3.5
4.00	33.6	103.7	1206	0.75	834	2736	6	288	6.0	11.6	11.0	-3.7
4.50	33.0	104.9	1379	0.86	928	3046	7	294	5.8	11.2	10.3	-4.6
5.00	32.6	106.0	1548	0.96	1023	3356	7	297	5.6	10.9	9.7	-5.0
5.50	32.3	107.3	1708	1.06	1113	3651	7	294	5.3	10.3	9.5	-4.1
6.00	32.1	107.3	1865	1.16	1203	3947	6	280	5.3	10.3	10.2	-1.7
6.50	31.9	106.1	2024	1.26	1293	4242	6	265	6.0	11.6	11.6	0.9
7.00	31.6	103.8	2203	1.37	1383	4537	5	244	6.4	12.4	11.2	5.5
7.50	31.8	99.7	2322	1.44	1473	4832	5	229	6.5	12.5	9.5	8.2
8.00	32.0	96.4	2449	1.52	1563	5128	5	234	6.1	11.9	9.6	7.0
8.50	32.0	93.9	2593	1.61	1653	5423	5	235	5.9	11.5	9.4	6.5
9.00	32.1	91.5	2726	1.69	1743	5718	5	226	5.8	11.2	8.1	7.8
9.50	32.4	88.7	2838	1.76	1833	6014	5	229	6.0	11.7	8.8	7.7
10.00	32.2	86.8	3001	1.86	1923	6309	5	238	6.1	11.8	10.0	6.3
10.50	32.1	85.3	3156	1.96	2013	6604	5	240	5.1	9.8	8.5	4.9
11.00	32.3	84.4	3274	2.03	2103	6899	6	251	4.5	8.7	8.2	2.8
11.50	32.3	84.2	3417	2.12	2193	7195	6	263	5.4	10.6	10.5	1.2
12.00	32.0	84.3	3601	2.24	2283	7490	6	268	6.7	13.0	13.0	0.5
12.50	31.5	84.6	3819	2.37	2373	7785	6	268	7.7	14.9	14.9	0.6
13.00	30.9	84.7	4060	2.52	2463	8080	6	263	8.2	16.0	15.9	2.0
13.50	30.3	84.4	4317	2.68	2553	8376	6	256	8.4	16.2	15.8	3.8
14.00	29.8	83.8	4557	2.83	2643	8671	6	248	7.9	15.4	14.3	5.7
14.50	29.5	82.8	4772	2.97	2733	8966	5	247	7.5	14.6	13.5	5.7
15.00	29.2	82.3	4992	3.10	2823	9262	6	250	7.4	14.4	13.6	4.9
15.50*	777.0	237.0	5208	3.24	2913	9557	6	249	7.4	14.4	13.4	5.2
16.00	28.7	81.2	5425	3.37	3003	9852	6	254	7.6	14.7	14.2	4.1
16.50	28.4	81.1	5659	3.52	3093	10147	6	259	7.9	15.4	15.1	3.0
17.00	28.1	81.0	5899	3.67	3183	10443	6	257	7.7	14.9	14.5	3.3
17.50	27.9	80.8	6119	3.80	3273	10738	6	255	7.0	13.6	13.1	3.5
18.00	27.8	80.6	6316	3.92	3363	11033	6	256	7.1	13.7	13.3	3.3
18.50	27.6	80.5	6542	4.06	3453	11329	6	259	7.6	14.8	14.5	2.8
19.00	27.4	80.5	6771	4.21	3543	11624	6	258	8.7	17.0	16.6	3.6
19.50	27.0	80.3	7065	4.39	3633	11919	6	255	8.9	17.3	16.8	4.5
20.00	26.8	80.1	7305	4.54	3723	12214	6	254	8.0	15.6	15.0	4.2

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 16

LOCATION: SALINAS CALIFORNIA

SPECIFICS: INTENSIVE STUDY

DATE OF LAUNCH: 14 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 09:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	47.3	298.6	100	0.06	141	462	3	122	4.3	8.4	-7.1	4.5
1.00	39.9	302.2	258	0.16	249	817	3	127	5.7	11.1	-8.9	6.6
1.50	35.5	304.9	442	0.27	348	1141	3	123	5.3	10.3	-8.7	5.5
2.00	35.7	302.4	576	0.36	447	1466	2	107	2.9	5.6	-5.4	1.6
2.50	40.1	299.8	609	0.38	546	1791	2	76	2.9	5.6	-5.4	-1.3
3.00	40.9	292.3	707	0.44	645	2116	1	65	4.1	7.9	-7.2	-3.4
3.50	42.3	280.8	776	0.48	739	2426	1	64	4.5	8.7	-7.8	-3.8
4.00	41.4	279.6	909	0.56	834	2736	1	67	5.4	10.5	-9.7	-4.0
4.50	40.4	274.0	1052	0.65	928	3046	1	64	5.3	10.4	-9.3	-4.6
5.00	39.9	270.5	1184	0.74	1023	3356	2	71	6.2	12.1	-11.4	-4.0
5.50	37.6	268.0	1402	0.87	1113	3651	2	77	6.7	13.0	-12.6	-3.0
6.00	36.6	267.0	1575	0.98	1203	3947	2	82	5.6	10.8	-10.7	-1.5
6.50	36.0	266.9	1734	1.08	1293	4242	2	82	4.5	8.7	-8.7	-1.3
7.00	36.2	266.2	1845	1.15	1383	4537	2	74	3.5	6.8	-6.5	-1.9
7.50	36.6	265.5	1939	1.20	1473	4832	2	68	2.7	5.3	-4.9	-2.0
8.00	37.4	264.7	2001	1.24	1563	5128	1	41	2.2	4.3	-2.8	-3.2
8.50	38.5	262.9	2037	1.27	1653	5423	0	21	3.1	5.9	-2.1	-5.5
9.00	39.3	260.2	2089	1.30	1743	5718	1	26	3.8	7.3	-3.2	-6.6
9.50	39.7	257.9	2168	1.35	1833	6014	1	33	3.7	7.1	-3.9	-5.9
10.00	40.1	256.1	2244	1.39	1923	6309	1	40	3.4	6.7	-4.3	-5.1
10.50	40.3	254.8	2335	1.45	2013	6604	1	52	3.5	6.9	-5.5	-4.2
11.00	40.3	254.1	2441	1.52	2103	6899	1	54	3.6	7.0	-5.7	-4.1
11.50	40.4	253.1	2539	1.58	2193	7195	1	39	3.1	6.1	-3.8	-4.8
12.00	40.9	251.7	2597	1.61	2283	7490	1	41	4.1	7.9	-5.2	-6.0
12.50	40.4	250.4	2749	1.71	2373	7785	0	15	3.0	5.8	-1.5	-5.6
13.00	42.0	248.5	2699	1.68	2463	8080	0	339	2.7	5.3	1.9	-4.9
13.50	42.5	247.0	2750	1.71	2553	8376	0	8	2.6	5.1	-0.7	-5.0
14.00	43.2	245.7	2779	1.73	2643	8671	0	350	2.4	4.7	0.8	-4.6
14.50	44.1	244.1	2786	1.73	2733	8966	0	343	2.3	4.5	1.3	-4.3
15.00	44.9	242.9	2800	1.74	2823	9262	0	338	2.7	5.2	2.0	-4.8
15.50	45.8	240.8	2804	1.74	2913	9557	7	337	1.6	3.2	1.2	-2.9
16.00	46.6	240.9	2809	1.75	3003	9852	7	334	3.9	7.5	3.3	-6.8
16.50	47.3	236.1	2824	1.75	3093	10147	7	333	4.1	8.0	3.7	-7.1
17.00	46.1	235.9	2826	1.76	3183	10443	0	344	1.7	3.2	0.9	-3.1
17.50	48.0	234.2	2856	1.77	3273	10738	0	2	2.2	4.2	-0.1	-4.2
18.00	48.9	233.8	2905	1.81	3363	11033	1	45	2.1	4.2	-2.9	-3.0
18.50	48.9	233.8	2993	1.85	3453	11329	1	56	4.1	7.9	-6.6	-4.4
19.00	48.1	234.0	3149	1.96	3543	11624	1	50	4.9	9.5	-7.3	-6.0
19.50	47.7	233.5	3276	2.04	3633	11919	1	38	4.6	9.0	-5.5	-7.1
20.00	47.2	232.7	3417	2.12	3723	12214	1	35	5.0	9.6	-5.5	-7.9

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 17

LOCATION: SALINAS CALIFORNIA

SPECIFICS: INTENSIVE STUDY

DATE OF LAUNCH: 14 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 13:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	39.2	105.6	132	0.08	141	462	6	291	4.4	8.6	8.0	-3.1
1.00	39.2	111.3	265	0.16	249	817	7	310	4.2	8.2	6.3	-5.2
1.50	39.8	121.5	378	0.23	348	1141	7	332	1.7	3.3	1.5	-2.9
2.00	49.9	122.0	249	0.22	447	1466	1	27	1.8	3.8	-1.7	-3.4
2.50	51.8	138.3	404	0.25	546	1791	0	6	2.4	4.7	-0.5	-4.6
3.00	54.8	139.9	432	0.27	645	2116	7	320	0.3	0.7	0.4	-0.5
3.50	59.0	138.4	425	0.26	739	2426	7	310	2.6	5.0	3.8	-3.2
4.00	53.9	137.3	584	0.36	834	2736	3	135	1.2	2.3	-1.6	1.6
4.50	68.4	139.0	355	0.22	928	3046	3	129.	5.1	9.9	-7.7	6.2
5.00	73.9	146.7	286	0.18	1023	3356	0	21	2.5	4.8	-1.7	-4.4
5.50	67.7	156.1	443	0.28	1113	3651	2	108	2.2	4.2	-4.0	1.3
6.00	80.2	170.6	203	0.13	1203	3947	3	145	4.4	8.5	-4.9	7.0
6.50	81.4	171.3	191	0.12	1293	4242	3	155	1.1	2.1	-0.9	1.9
7.00	84.0	177.4	142	0.09	1383	4537	3	157	1.2	2.3	-0.9	2.1
7.50	85.1	179.3	123	0.08	1473	4832	3	119	0.9	1.7	-1.5	0.8
8.00	85.4	198.8	123	0.08	1563	5128	2	98	1.4	2.8	-2.7	0.4
8.50	85.1	216.6	139	0.09	1653	5423	2	86	1.7	3.2	-3.2	-0.2
9.00	83.8	228.2	186	0.12	1743	5718	1	66	2.2	4.2	-3.8	-1.7
9.50	81.8	231.0	259	0.16	1833	6014	1	63	3.0	5.9	-5.2	-2.7
10.00	79.1	235.5	364	0.23	1923	6309	1	62	3.3	6.5	-5.7	-3.1
10.50	77.0	235.6	457	0.28	2013	6604	1	60	3.2	6.2	-5.3	-3.1
11.00	75.0	237.0	555	0.34	2103	6899	1	67	2.8	5.5	-5.0	-2.1
11.50	73.9	238.7	623	0.39	2193	7195	2	81	2.7	5.2	-5.2	-0.8
12.00	72.6	242.3	705	0.44	2283	7490	2	83	2.8	5.4	-5.4	-0.6
12.50	71.6	243.8	778	0.48	2373	7785	2	76	3.0	5.8	-5.6	-1.4
13.00	70.1	245.1	880	0.55	2463	8080	2	72	3.6	7.0	-6.6	-2.2
13.50	68.5	245.5	993	0.62	2553	8376	1	61	3.8	7.4	-6.5	-3.6
14.00	67.0	244.3	1108	0.69	2643	8671	1	51	4.3	8.3	-6.4	-5.2
14.50	65.3	242.5	1242	0.77	2733	8966	1	47	4.6	8.9	-6.5	-6.1
15.00	63.8	240.8	1373	0.85	2823	9262	1	42	4.4	8.6	-5.8	-6.3
15.50	62.6	239.0	1493	0.93	2913	9557	1	39	4.4	8.5	-5.4	-6.6
16.00	61.4	237.4	1619	1.01	3003	9852	1	39	4.2	8.1	-5.1	-6.3
16.50	60.5	236.2	1731	1.08	3093	10147	1	43	3.9	7.6	-5.2	-5.6
17.00	59.6	235.6	1848	1.15	3183	10443	1	49	3.4	6.5	-5.0	-4.2
17.50	59.2	235.5	1931	1.20	3273	10738	1	52	2.7	5.2	-4.1	-3.2
18.00	58.9	235.3	2009	1.25	3363	11033	2	76	1.9	3.7	-3.6	-0.9
18.50	59.2	236.6	2039	1.27	3453	11329	3	120	2.1	4.1	-3.6	2.0
19.00	59.5	238.5	2068	1.28	3543	11624	3	143	2.4	4.6	-2.8	3.7
19.50	60.3	240.6	2053	1.28	3633	11919	4	165	3.2	6.2	-1.6	6.0
20.00	61.3	243.7	2020	1.26	3723	12214	4	169	3.8	7.5	-1.4	7.3

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 18

LOCATION: SALINAS CALIFORNIA

SPECIFICS: INTENSIVE STUDY

DATE OF LAUNCH: 14 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 MSL

TIME OF LAUNCH: 17:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	40.0	132.1	129	0.08	141	462	7	308	4.4	8.6	6.7	-5.3
1.00	39.1	128.4	266	0.17	249	817	7	300	4.5	8.7	7.5	-4.4
1.50	38.5	124.2	396	0.25	348	1141	7	294	5.8	11.3	10.4	-4.6
2.00	34.1	120.2	611	0.38	447	1466	6	285	6.4	12.5	12.1	-3.3
2.50	33.6	114.9	772	0.48	546	1791	6	273	6.0	11.7	11.7	-0.5
3.00	32.9	110.0	946	0.59	645	2116	6	280	4.9	9.5	9.4	-1.6
3.50	33.7	110.7	1059	0.66	739	2426	7	303	3.4	6.7	5.6	-3.6
4.00	34.9	112.3	1148	0.71	834	2736	7	322	3.4	6.5	4.1	-5.1
4.50	35.9	115.5	1237	0.77	928	3046	7	325	3.3	6.4	3.7	-5.2
5.00	36.9	116.9	1319	0.82	1023	3356	7	314	2.3	4.4	3.2	-3.1
5.50	38.3	117.3	1368	0.85	1113	3651	7	309	1.2	2.3	1.8	-1.5
6.00	40.1	117.5	1389	0.86	1203	3947	0	355	0.7	1.3	0.1	-1.3
6.50	42.4	118.7	1390	0.86	1293	4242	1	44	1.0	1.9	-1.3	-1.4
7.00	44.5	119.9	1374	0.85	1383	4537	1	57	1.4	2.7	-2.3	-1.5
7.50	46.8	121.8	1352	0.84	1473	4832	1	65	1.7	3.4	-3.1	-1.4
8.00	49.3	123.6	1316	0.82	1563	5128	2	78	1.8	3.6	-3.5	-0.7
8.50	51.6	125.2	1275	0.79	1653	5423	2	80	2.0	3.8	-3.8	-0.7
9.00	54.2	127.4	1233	0.77	1743	5718	1	57	2.2	4.3	-3.6	-2.3
9.50	55.6	130.9	1232	0.77	1833	6014	1	66	3.0	5.7	-5.3	-2.3
10.00	58.5	135.1	1158	0.72	1923	6309	1	58	3.4	6.6	-5.6	-3.5
10.50	59.6	140.3	1190	0.74	2013	6604	1	59	3.1	6.1	-5.2	-3.1
11.00	61.4	144.4	1129	0.70	2103	6899	2	86	2.5	4.8	-4.8	-0.3
11.50	62.8	146.5	1110	0.69	2193	7195	2	92	1.9	3.6	-3.6	0.1
12.00	64.7	149.2	1064	0.66	2283	7490	2	95	2.7	5.3	-5.2	0.4
12.50	66.5	153.7	1017	0.63	2373	7785	2	83	3.9	7.5	-7.4	-0.9
13.00	67.8	161.5	992	0.62	2463	8080	2	77	4.6	8.9	-8.6	-2.0
13.50	68.5	169.3	993	0.62	2553	8376	2	78	4.6	9.0	-8.8	-1.8
14.00	69.1	177.5	997	0.62	2643	8671	2	82	4.7	9.1	-9.0	-1.3
14.50	69.3	185.2	1020	0.63	2733	8966	2	83	4.1	8.0	-7.9	-0.9
15.00	69.5	191.1	1043	0.65	2823	9262	2	88	3.7	7.1	-7.1	-0.3
15.50	69.6	196.9	1071	0.67	2913	9557	2	86	3.5	6.9	-6.9	-0.4
16.00	69.4	201.7	1116	0.69	3003	9852	2	79	2.9	5.6	-5.5	-1.1
16.50	69.2	204.4	1162	0.72	3093	10147	1	57	2.0	3.8	-3.2	-2.1
17.00	68.9	204.9	1215	0.76	3183	10443	0	22	2.2	4.3	-1.7	-4.0
17.50	68.2	204.2	1296	0.81	3273	10738	0	2	2.7	5.2	-0.1	-5.2
18.00	67.7	202.2	1366	0.85	3363	11033	7	333	3.5	6.8	3.0	-6.1
18.50	67.2	197.7	1438	0.89	3453	11329	7	303	3.8	7.4	6.2	-4.0
19.00	67.9	193.1	1425	0.89	3543	11624	7	302	3.6	7.0	5.9	-3.7
19.50	67.3	189.7	1506	0.94	3633	11919	0	8	1.3	2.6	-0.3	-2.6
20.00	67.8	192.8	1508	0.94	3723	12214	2	101	2.7	5.3	-5.2	1.0

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 19

LOCATION: SALINAS CALIFORNIA

SPECIFICS: INTENSIVE STUDY

DATE OF LAUNCH: 15 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 10:00 P.D.T.

TIME MINUTES	ELEV. D E G	AZIMUTH R E E S	R A N G E METERS	R A N G E MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	D I R E C T I O N CLASS 0- 7	D I R E C T I O N DEGREES	=====V E L O C I T Y===== METERS/SEC (SPEED)	NAUTICAL MILES PER HOUR (SPEED)	(U)	(V)
0.50*	777.0	237.0	27	0.02	141	462	6	261	0.9	1.7	1.7	0.3
1.00	76.1	81.1	53	0.03	249	817	4	188	0.7	1.4	0.2	1.3
1.50	80.0	35.0	56	0.03	348	1141	3	141	2.6	5.0	-3.1	3.9
2.00	72.0	341.0	135	0.08	447	1466	3	136	2.1	4.1	-2.9	2.9
2.50	74.0	337.5	147	0.09	546	1791	2	90	0.4	0.7	-0.7	0.0
3.00	76.8	332.3	144	0.09	645	2116	7	333	0.7	1.3	0.6	-1.1
3.50	81.3	339.1	108	0.07	739	2426	7	323	1.1	2.1	1.2	-1.7
4.00	84.2	339.3	81	0.05	834	2736	6	290	0.8	1.6	1.5	-0.5
4.50	84.6	5.0	85	0.05	928	3046	5	239	1.7	3.3	2.9	1.7
5.00	81.8	24.6	143	0.09	1023	3356	5	225	2.2	4.3	3.1	3.1
5.50	79.2	29.6	206	0.13	1113	3651	5	226	2.2	4.4	3.3	3.0
6.00	76.9	35.1	272	0.17	1203	3947	5	227	2.3	4.5	3.2	3.1
6.50	74.9	36.4	340	0.21	1293	4242	5	220	2.6	5.0	3.2	3.8
7.00	72.5	36.7	426	0.26	1383	4537	5	213	2.9	5.6	3.1	4.7
7.50*	777.0	237.0	513	0.32	1473	4832	5	208	2.9	5.7	2.7	5.0
8.00	68.6	34.3	600	0.37	1563	5128	4	200	2.9	5.5	1.9	5.1
8.50	67.3	31.6	678	0.42	1653	5423	4	190	2.7	5.3	0.9	5.2
9.00	66.3	29.2	751	0.47	1743	5718	4	189	2.0	3.9	0.6	3.8
9.50	66.3	28.3	790	0.49	1833	6014	4	200	0.9	1.7	0.6	1.6
10.00	67.0	28.6	802	0.50	1923	6309	5	224	0.5	1.0	0.7	0.7
10.50	67.5	28.9	820	0.51	2013	6604	4	199	1.2	2.4	0.8	2.2
11.00	67.1	27.8	874	0.54	2103	6899	4	188	2.2	4.3	0.6	4.2
11.50	66.4	26.0	944	0.59	2193	7195	4	190	2.7	5.3	0.9	5.2
12.00	65.4	25.0	1030	0.64	2283	7490	4	190	2.1	4.1	0.7	4.1
12.50	65.5	24.1	1066	0.66	2373	7785	4	161	0.7	1.4	-0.4	1.3
13.00	66.4	23.4	1062	0.66	2463	8080	0	22	0.9	1.7	-0.7	-1.6
13.50	68.1	24.2	1013	0.63	2553	8376	0	6	1.9	3.6	-0.4	-3.6
14.00	69.9	25.4	955	0.59	2643	8671	0	346	1.8	3.5	0.9	-3.4
14.50	71.0	28.4	930	0.58	2733	8966	7	293	1.9	3.6	3.3	-1.4
15.00	70.9	32.0	966	0.60	2823	9262	6	270	2.6	5.1	5.1	0.0
15.50	70.6	36.2	1014	0.63	2913	9557	6	267	2.9	5.7	5.7	0.3
16.00	70.1	39.7	1075	0.67	3003	9852	6	274	2.2	4.2	4.2	-0.3
16.50	70.4	42.0	1090	0.68	3093	10147	6	251	1.7	3.4	3.2	1.1
17.00	69.7	42.4	1165	0.72	3183	10443	5	216	2.6	5.0	2.9	4.1
17.50	69.0	41.2	1244	0.77	3273	10738	4	202	2.0	3.9	1.4	3.6
18.00	69.0	40.5	1278	0.79	3363	11033	4	193	1.0	2.0	0.5	2.0
18.50	69.2	39.9	1299	0.81	3453	11329	4	179	0.7	1.5	0.0	1.5
19.00	69.5	39.2	1312	0.82	3543	11624	6	279	0.6	1.1	1.1	-0.2
19.50	69.9	41.2	1317	0.82	3633	11919	7	294	2.0	4.0	3.6	-1.6
20.00	69.9	44.2	1350	0.84	3723	12214	6	287	2.6	5.0	4.8	-1.5

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 20

LOCATION: SALINAS CALIFORNIA

SPECIFICS: INTENSIVE STUDY

DATE OF LAUNCH: 15 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 1300 L.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	29.2	128.4	193	0.12	141	462	7	313	6.0	11.6	8.5	-7.9
1.00	31.1	132.9	358	0.22	249	817	7	299	4.3	8.3	7.3	-4.0
1.50	35.1	122.8	448	0.28	348	1141	6	273	2.8	5.4	5.4	-0.2
2.00	39.2	120.4	497	0.31	447	1466	6	279	2.2	4.3	4.2	-0.7
2.50	41.8	117.4	572	0.36	546	1791	6	279	2.8	5.4	5.3	-0.8
3.00	43.1	115.1	654	0.41	645	2116	6	289	2.8	5.5	5.2	-1.8
3.50	43.7	115.6	739	0.46	739	2426	7	295	2.7	5.3	4.8	-2.3
4.00	44.4	115.1	818	0.51	834	2736	7	293	2.6	5.1	4.6	-2.0
4.50	45.0	115.2	898	0.56	928	3046	7	298	3.0	5.9	5.2	-2.8
5.00	44.7	115.7	1000	0.62	1023	3356	7	300	3.5	6.8	5.9	-3.4

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 21

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 16 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 17:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	42.6	108.5	117	0.07	141	462	6	287	5.0	9.8	9.4	-2.9
1.00	35.5	107.3	303	0.19	249	817	6	288	6.9	13.4	12.7	-4.0
1.50	30.7	107.8	531	0.33	348	1141	6	286	7.0	13.5	13.0	-3.8
2.00	29.4	106.8	720	0.45	447	1466	6	285	6.6	12.8	12.4	-3.3
2.50	29.0	106.6	925	0.58	546	1791	6	280	6.7	13.1	12.9	-2.3
3.00	28.6	104.4	1122	0.70	645	2116	6	273	6.5	12.6	12.6	-0.7
3.50	28.4	102.6	1307	0.81	739	2426	6	270	6.0	11.7	11.7	0.1
4.00	28.5	100.8	1475	0.92	834	2736	6	268	5.4	10.5	10.5	0.3
4.50	28.9	99.8	1622	1.01	928	3046	6	275	5.1	9.9	9.8	-0.9
5.00	29.1	99.8	1779	1.11	1023	3356	6	275	5.5	10.6	10.5	-0.9
5.50	29.0	99.0	1948	1.21	1113	3651	6	286	5.3	10.2	9.9	-2.8
6.00	29.2	100.7	2093	1.30	1203	3947	7	294	5.7	11.1	10.2	-4.5
6.50	28.9	101.2	2282	1.42	1293	4242	6	280	6.5	12.7	12.5	-2.2
7.00	28.5	100.6	2486	1.54	1383	4537	6	271	6.4	12.5	12.5	-0.3
7.50	28.4	99.8	2663	1.65	1473	4832	6	267	5.5	10.6	10.6	0.6
8.00	28.6	99.0	2806	1.74	1563	5128	6	266	4.8	9.4	9.4	0.6
8.50	28.8	98.5	2947	1.83	1653	5423	6	269	4.7	9.1	9.1	0.1
9.00	29.0	98.1	3085	1.92	1743	5718	6	259	4.6	8.9	8.7	1.6
9.50	29.3	96.9	3208	1.99	1833	6014	6	248	5.1	9.9	9.2	3.7
10.00	29.4	95.5	3354	2.08	1923	6309	6	251	5.9	11.4	10.8	3.7
10.50	29.3	94.4	3528	2.19	2013	6604	6	254	5.9	11.5	11.1	3.1
11.00	29.3	93.5	3689	2.29	2103	6899	6	260	6.3	12.3	12.1	2.2
11.50	29.0	93.0	3897	2.42	2193	7195	6	266	7.4	14.3	14.3	1.0
12.00	28.6	92.7	4127	2.56	2283	7490	6	267	7.5	14.6	14.6	0.7
12.50	28.3	92.4	4346	2.70	2373	7785	6	267	7.7	15.1	15.0	0.8
13.00	27.9	92.1	4589	2.85	2463	8080	6	268	8.3	16.1	16.1	0.7
13.50	27.5	91.9	4841	3.01	2553	8376	6	267	9.3	18.0	18.0	0.8
14.00	26.9	91.6	5145	3.20	2643	8671	6	270	10.4	20.2	20.2	-0.1
14.50	26.3	91.7	5463	3.39	2733	8966	6	272	11.3	22.0	22.0	-0.9
15.00	25.8	91.7	5823	3.62	2823	9262	6	270	11.9	23.1	23.1	0.0
15.50	25.0	91.5	6176	3.84	2913	9557	6	269	12.1	23.5	23.5	0.4
16.00	24.4	91.4	6547	4.07	3003	9852	6	270	12.7	24.7	24.7	0.1
16.50	23.8	91.3	6938	4.31	3093	10147	6	270	12.2	23.7	23.7	-0.2
17.00	23.4	91.3	7279	4.52	3183	10443	6	272	11.6	22.5	22.5	-0.9
17.50	23.0	91.4	7633	4.74	3273	10738	6	272	12.7	24.6	24.6	-1.0
18.00	22.5	91.4	8039	5.00	3363	11033	6	267	13.2	25.6	25.6	1.3
18.50	22.1	91.0	8422	5.23	3453	11329	6	262	14.7	28.5	28.3	3.8
19.00	21.5	90.5	8911	5.54	3543	11624	6	261	16.1	31.4	31.0	4.8
19.50	21.0	90.0	9378	5.83	3633	11919	6	260	17.1	33.3	32.7	5.9
20.00	20.4	89.4	9922	6.17	3723	12214	6	259	18.4	35.8	35.2	6.7

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 1

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 17 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 10:36 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	72.3	53.2	34	0.02	141	462	5	243	1.2	2.3	2.0	1.0
1.00	72.1	63.2	70	0.04	249	817	6	253	1.7	3.3	3.2	0.9
1.50	66.8	68.3	135	0.08	348	1141	6	248	2.5	4.9	4.5	1.8
2.00	62.0	65.8	220	0.14	447	1466	5	230	2.9	5.6	4.3	3.6
2.50	59.3	58.0	305	0.19	546	1791	5	222	2.2	4.2	2.8	3.2
3.00	60.7	57.6	343	0.21	645	2116	7	320	1.4	2.7	1.7	-2.1
3.50	65.2	72.7	326	0.20	739	2426	0	345	3.3	6.4	1.6	-6.2
4.00	67.0	91.3	340	0.21	834	2736	7	333	3.7	7.3	3.3	-6.5
4.50	64.6	104.1	425	0.26	928	3046	7	310	4.0	7.7	5.9	-5.0
5.00	61.1	107.2	547	0.34	1023	3356	7	308	4.1	8.0	6.3	-4.9
5.50	58.6	112.7	659	0.41	1113	3651	7	327	4.1	8.0	4.4	-6.7
6.00	57.2	119.3	754	0.47	1203	3947	2	70	2.9	5.7	-5.3	-1.9
6.50	66.7	125.2	543	0.34	1293	4242	0	345	4.4	8.5	2.2	-8.2
7.00	54.7	130.6	956	0.59	1383	4537	7	337	4.0	7.7	3.0	-7.2
7.50	62.3	134.9	756	0.47	1473	4832	2	72	2.0	4.0	-3.8	-1.2
8.00*	777.0	777.0	898	0.56	1563	5128	7	330	4.9	9.4	4.8	-8.1
8.50	57.3	139.0	1040	0.65	1653	5423	7	321	12.9	25.0	15.7	-19.5
9.00	45.7	139.1	1669	1.04	1743	5718	7	318	13.4	26.0	17.4	-19.4
9.50	44.3	138.6	1845	1.15	1833	6014	7	315	5.7	11.2	7.9	-7.9
10.00	43.2	138.4	2013	1.25	1923	6309	7	317	5.1	10.0	6.9	-7.3
10.50	42.6	138.3	2153	1.34	2013	6604	7	317	5.6	10.9	7.4	-7.9
11.00	41.4	138.2	2348	1.46	2103	6899	7	320	6.9	13.3	8.7	-10.1
11.50	40.1	138.5	2565	1.59	2193	7195	7	320	7.3	14.3	9.2	-10.9
12.00	38.9	138.5	2788	1.73	2283	7490	7	318	7.7	15.0	10.1	-11.1
12.50	37.7	138.4	3028	1.88	2373	7785	7	315	7.9	15.3	10.8	-10.8
13.00	36.1	138.0	3260	2.03	2463	8080	7	313	8.2	16.0	11.8	-10.9
13.50	35.6	137.6	3520	2.19	2553	8376	7	314	9.0	17.4	12.4	-12.2
14.00	34.5	137.5	3798	2.36	2643	8671	7	314	9.3	18.1	13.1	-12.6
14.50	33.5	137.1	4079	2.53	2733	8966	7	310	9.8	19.0	14.5	-12.2
15.00	32.5	136.6	4378	2.72	2823	9262	7	304	9.3	18.2	15.1	-10.1
15.50	31.9	135.5	4627	2.88	2913	9557	7	295	9.3	18.1	16.4	-7.6
16.00	31.2	134.1	4904	3.05	3003	9852	6	289	10.1	19.6	18.5	-6.3
16.50	30.6	132.5	5174	3.22	3093	10147	6	281	10.0	19.4	19.0	-3.5
17.00	30.2	130.6	5412	3.36	3183	10443	6	276	10.3	19.9	19.8	-2.1
17.50	29.7	128.8	5680	3.53	3273	10738	6	279	11.0	21.3	21.0	-3.3
18.00	29.1	127.3	5983	3.72	3363	11033	6	281	11.5	22.3	21.9	-4.3
18.50	28.5	125.9	6299	3.91	3453	11329	6	280	11.9	23.2	22.8	-4.2
19.00	27.9	124.5	6629	4.12	3543	11624	6	281	13.3	25.9	25.4	-5.1
19.50	27.1	123.2	7035	4.37	3633	11919	6	287	14.0	27.1	25.9	-8.1
20.00	26.4	122.0	7433	4.62	3723	12214	6	292	13.5	26.3	24.3	-9.9

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 2

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 17 AUGUST 1978

ELEVATION OF LAUNCH SITE: 100 FEET

TIME OF LAUNCH: 17:00 E.D.T.

TIME	ELEV.	AZIMUTH	RANGE		M.S.L. ALTITUDE		DIRECTION		VELOCITY METERS/SEC	VELOCITY NAUTICAL MILES PER HOUR		
MINUTES	DEGREES	DEGREES	METERS	MILES	METERS	FEET	CLASS 0- 7	DEGREES	(SPEED)	(SPEED)	(U)	(V)
0.50	31.5	112.0	176	0.11	141	462	7	296	6.3	12.4	11.1	-5.3
1.00	29.6	115.7	380	0.24	249	817	7	296	6.2	12.0	10.8	-5.2
1.50	30.0	114.5	546	0.34	348	1141	7	297	5.8	11.2	10.0	-5.0
2.00	29.7	116.2	726	0.45	447	1466	7	294	6.0	11.6	10.6	-4.8
2.50	29.6	114.4	903	0.56	546	1791	6	277	5.3	10.3	10.2	-1.3
3.00	30.7	110.4	1031	0.64	645	2116	6	279	4.4	8.5	8.4	-1.4
3.50	31.4	111.0	1157	0.72	739	2426	7	310	4.1	8.0	6.2	-5.1
4.00	32.3	114.1	1267	0.79	834	2736	7	335	4.1	8.0	3.4	-7.3
4.50	33.6	118.3	1348	0.84	928	3046	0	346	4.7	9.1	2.2	-8.9
5.00	34.2	122.9	1457	0.91	1023	3356	0	348	5.5	10.8	2.2	-10.5
5.50	34.3	127.6	1583	0.98	1113	3651	0	350	6.6	12.7	2.2	-12.5
6.00	33.8	132.4	1748	1.09	1203	3947	0	355	7.0	13.7	1.3	-13.6
6.50	33.6	136.9	1896	1.18	1293	4242	0	359	6.1	11.9	0.2	-11.9
7.00	33.8	140.0	2017	1.25	1383	4537	0	357	5.2	10.0	0.6	-10.0
7.50	33.9	142.2	2143	1.33	1473	4832	0	7	5.6	10.9	-1.3	-10.8
8.00	34.1	146.2	2260	1.40	1563	5128	0	14	6.4	12.5	-2.9	-12.1
8.50	34.0	149.4	2402	1.49	1653	5423	0	11	6.8	13.1	-2.5	-12.9
9.00	33.7	152.6	2564	1.59	1743	5718	0	12	7.8	15.1	-3.2	-14.7
9.50	33.1	156.0	2761	1.72	1833	6014	0	14	8.8	17.1	-4.3	-16.6
10.00	32.4	159.4	2978	1.85	1923	6309	0	17	7.8	15.2	-4.4	-14.6
10.50	32.3	161.6	3132	1.95	2013	6604	0	17	6.8	13.2	-3.8	-12.7
11.00	32.0	163.7	3313	2.06	2103	6899	0	18	6.6	12.8	-4.0	-12.1
11.50	32.0	165.5	3457	2.15	2193	7195	0	20	6.7	12.9	-4.4	-12.2
12.00	31.7	167.4	3643	2.26	2283	7490	0	17	7.2	14.1	-4.1	-13.4
12.50	31.4	168.9	3834	2.38	2373	7785	0	15	8.0	15.6	-3.9	-15.1
13.00	30.8	170.5	4076	2.53	2463	8080	0	11	9.1	17.8	-3.3	-17.4
13.50	30.1	171.6	4347	2.70	2553	8376	0	6	9.3	18.0	-2.0	-17.9
14.00	29.5	172.4	4613	2.87	2643	8671	0	4	9.6	18.6	-1.2	-18.6
14.50	28.8	173.0	4911	3.05	2733	8966	0	2	10.0	19.3	-0.7	-19.3
15.00	28.2	173.5	5203	3.23	2823	9262	0	359	9.6	18.7	0.4	-18.7
15.50	27.7	173.6	5486	3.41	2913	9557	0	356	9.2	17.8	1.4	-17.8
16.00	27.3	173.7	5754	3.58	3003	9852	0	356	8.2	16.0	1.1	-16.0
16.50	27.1	173.8	5980	3.72	3093	10147	0	356	8.0	15.6	1.0	-15.6
17.00	26.8	173.9	6236	3.87	3183	10443	0	353	8.6	16.8	2.2	-16.7
17.50	26.5	173.7	6498	4.04	3273	10738	0	350	8.9	17.2	3.0	-17.0
18.00	26.2	173.6	6767	4.21	3363	11033	0	351	9.1	17.7	2.7	-17.4
18.50	25.9	173.5	7043	4.38	3453	11329	0	350	9.9	19.2	3.4	-18.9
19.00	25.5	173.3	7359	4.57	3543	11624	0	347	10.2	19.8	4.4	-19.3
19.50	25.2	173.0	7650	4.75	3633	11919	0	343	8.8	17.1	5.1	-16.3
20.00	25.1	172.6	7877	4.89	3723	12214	0	339	7.8	15.1	5.3	-14.1

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 3

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 18 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 23:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	56.2	145.1	72	0.04	141	462	6	283	1.6	3.2	3.1	-0.7
1.00*	777.0	777.0	111	0.07	249	817	5	236	2.2	4.2	3.5	2.4
1.50	64.5	84.4	150	0.09	348	1141	5	227	1.0	2.0	1.5	1.4
2.00	71.0	85.5	143	0.09	447	1466	1	60	0.7	1.2	-1.1	-0.6
2.50	77.4	92.6	115	0.07	545	1791	0	4	2.4	4.6	-0.3	-4.6
3.00*	777.0	777.0	199	0.12	645	2116	0	351	3.9	7.7	1.2	-7.6
3.50	68.2	147.9	283	0.18	739	2426	0	348	5.8	11.3	2.3	-11.0
4.00*	777.0	777.0	508	0.32	834	2736	0	346	7.7	14.9	3.5	-14.4
4.50	50.7	159.3	724	0.46	928	3046	0	353	7.1	13.8	1.7	-13.7
5.00	47.0	163.9	923	0.57	1023	3356	0	6	6.4	12.4	-1.3	-12.3
5.50	44.8	168.4	1088	0.68	1113	3651	0	16	6.8	13.2	-3.6	-12.7
6.00	42.3	172.6	1286	0.80	1203	3947	0	22	7.8	15.2	-5.7	-14.1
6.50	40.0	178.4	1502	0.93	1293	4242	0	22	9.2	17.9	-6.7	-16.6
7.00	37.0	182.0	1792	1.11	1383	4537	0	18	12.4	24.2	-7.6	-22.9
7.50	33.0	185.0	2217	1.39	1473	4832	0	19	12.6	24.5	-7.9	-23.2
8.00	31.2	187.0	2526	1.57	1563	5128	1	25	11.1	21.5	-9.0	-19.5
8.50	29.6	189.5	2852	1.77	1653	5423	1	27	11.2	21.7	-9.9	-19.3
9.00	28.4	191.2	3163	1.97	1743	5718	1	25	10.0	19.5	-8.3	-17.6
9.50*	777.0	777.0	3436	2.14	1833	6014	1	24	9.3	18.1	-7.3	-16.5
10.00	27.0	193.1	3709	2.30	1923	6309	1	25	10.3	20.0	-8.3	-18.2
10.50	26.1	194.1	4042	2.51	2013	6604	1	26	11.4	22.2	-9.7	-19.9
11.00	25.3	195.1	4379	2.72	2103	6899	1	31	9.1	17.9	-9.1	-15.2
11.50	25.3	196.1	4570	2.84	2193	7195	1	38	6.9	13.3	-8.2	-10.5

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 4

LOCATION: SALINAS CALIFORNIA

SPECIFICS: OUT OF SEQUENCE

DATE OF LAUNCH: 18 AUGUST 1978

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 11:00 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0-7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	75.0	126.0	29	0.02	141	462	7	298	1.2	2.3	2.0	-1.1
1.00	71.9	117.6	71	0.04	249	817	7	321	1.7	3.3	2.1	-2.6
1.50	67.4	137.7	131	0.08	348	1141	0	347	2.3	4.4	1.0	-4.3
2.00	65.4	150.7	190	0.12	447	1466	5	213	3.8	7.5	4.0	6.3
2.50	65.5	65.4	234	0.15	546	1791	1	38	1.4	2.8	-1.7	-2.2
3.00	68.9	170.2	236	0.15	645	2116	1	31	6.0	11.7	-6.1	-10.0
3.50	73.2	173.4	213	0.13	739	2426	2	91	1.4	2.8	-2.8	0.0
4.00	73.6	191.0	236	0.15	834	2736	1	65	2.9	5.7	-5.1	-2.4
4.50	70.5	205.0	317	0.20	928	3046	1	42	3.6	7.1	-4.8	-5.2
5.00	66.2	208.1	437	0.27	1023	3356	0	22	4.4	8.6	-3.2	-7.9
5.50	61.7	203.6	582	0.36	1113	3651	0	14	5.4	10.4	-2.6	-10.1
6.00	57.2	201.1	754	0.47	1203	3947	0	9	5.9	11.5	-1.7	-11.4
6.50	53.6	197.9	929	0.58	1293	4242	0	4	6.1	11.9	-0.7	-11.8
7.00	50.6	195.4	1109	0.69	1383	4537	0	3	6.0	11.7	-0.7	-11.7
7.50	48.3	193.8	1283	0.80	1473	4832	0	4	5.9	11.4	-0.8	-11.4
8.00	46.4	192.6	1457	0.91	1563	5128	0	3	5.9	11.4	-0.6	-11.4
8.50	44.8	191.5	1631	1.01	1653	5423	0	3	5.7	11.1	-0.5	-11.1
9.00	43.6	190.7	1796	1.12	1743	5718	0	0	5.5	10.7	0.0	-10.7
9.50	42.6	189.6	1957	1.22	1833	6014	0	351	6.0	11.6	1.9	-11.5
10.00	41.5	187.9	2136	1.33	1923	6309	0	345	6.8	13.2	3.5	-12.8
10.50	40.3	185.4	2335	1.45	2013	6604	0	352	6.9	13.4	1.9	-13.3
11.00	39.2	184.9	2538	1.58	2103	6899	0	0	6.9	13.3	0.0	-13.3
11.50	38.2	184.6	2745	1.71	2193	7195	0	358	6.6	12.8	0.4	-12.8
12.00	37.5	184.0	2932	1.82	2283	7490	0	355	5.9	11.4	1.0	-11.4
12.50	37.1	183.5	3094	1.92	2373	7785	0	353	5.6	10.8	1.3	-10.7
13.00	36.7	182.9	3260	2.03	2463	8080	0	353	5.3	10.3	1.3	-10.2
13.50	36.5	182.5	3406	2.12	2553	8376	0	352	4.5	8.8	1.2	-8.7
14.00	36.5	182.1	3527	2.19	2643	8671	0	342	3.6	7.0	2.2	-6.7
14.50	36.8	181.3	3609	2.24	2733	8966	0	342	2.9	5.6	1.7	-5.3
15.00	37.1	181.2	3689	2.29	2823	9262	0	13	2.7	5.2	-1.2	-5.1
15.50	37.4	181.8	3767	2.34	2913	9557	1	37	2.9	5.5	-3.3	-4.4
16.00	37.8	182.7	3829	2.38	3003	9852	1	46	2.8	5.4	-3.9	-3.8
16.50	38.2	183.5	3889	2.42	3093	10147	1	37	2.6	5.1	-3.1	-4.1
17.00	38.5	184.0	3960	2.46	3183	10443	1	35	2.5	4.8	-2.7	-3.9
17.50	38.9	184.6	4015	2.50	3273	10738	1	34	2.4	4.6	-2.6	-3.8
18.00	39.2	185.0	4083	2.54	3363	11033	1	24	2.9	5.6	-2.3	-5.1
18.50	39.3	185.4	4178	2.60	3453	11329	0	20	3.3	6.4	-2.2	-6.0
19.00	39.4	185.7	4273	2.66	3543	11624	0	21	3.3	6.3	-2.3	-5.9
19.50	39.5	186.1	4367	2.71	3633	11919	0	14	3.4	6.7	-1.7	-6.4
20.00	39.5	186.1	4476	2.78	3723	12214	0	6	3.6	7.1	-0.8	-7.0

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

S U M M A R Y F O R A S C E N T # 5

LOCATION: SALINAS CALIFORNIA

SPECIFICS:

DATE OF LAUNCH: 18 AUGUST 1970

ELEVATION OF LAUNCH SITE: 108 FEET

TIME OF LAUNCH: 1715 P.D.T.

TIME MINUTES	ELEV. DEGREES	AZIMUTH DEGREES	RANGE METERS	RANGE MILES	M.S.L. ALTITUDE METERS	M.S.L. ALTITUDE FEET	DIRECTION CLASS 0- 7	DIRECTION DEGREES	VELOCITY METERS/SEC (SPEED)	VELOCITY NAUTICAL MILES PER HOUR (SPEED)	VELOCITY (U)	VELOCITY (V)
0.50	42.7	112.1	117	0.07	141	462	7	295	4.5	8.8	8.0	-3.7
1.00	38.5	115.1	272	0.17	249	817	6	289	5.4	10.5	10.0	-3.3
1.50	35.5	109.5	442	0.27	348	1141	6	285	5.9	11.5	11.1	-2.9
2.00	33.6	109.1	623	0.39	447	1466	6	285	5.9	11.4	11.0	-3.0
2.50	32.9	107.7	793	0.49	546	1791	6	288	6.5	12.7	12.1	-3.9
3.00	31.1	108.6	1015	0.63	645	2116	7	293	7.2	14.0	12.8	-5.5
3.50	30.0	109.7	1224	0.76	739	2426	7	296	6.0	11.6	10.5	-5.0
4.00	30.3	110.4	1371	0.85	834	2736	7	306	4.7	9.1	7.4	-5.4
4.50	30.9	112.8	1496	0.93	928	3046	7	317	4.5	8.7	5.9	-6.4
5.00	31.5	114.7	1616	1.00	1023	3356	7	317	4.1	7.9	5.4	-5.8
5.50	32.1	116.2	1722	1.07	1113	3651	7	327	3.7	7.2	3.9	-6.1
6.00	32.9	118.5	1809	1.12	1203	3947	0	343	4.4	8.5	2.5	-8.1
6.50	33.4	121.9	1911	1.19	1293	4242	0	349	5.0	9.6	1.8	-9.5
7.00	33.9	125.1	2009	1.25	1383	4537	0	355	4.7	9.2	0.9	-9.2
7.50	34.5	128.1	2095	1.30	1473	4832	0	0	4.3	8.4	0.0	-8.4
8.00	35.2	130.7	2169	1.35	1563	5128	0	1	4.0	7.7	-0.2	-7.7
8.50	35.8	133.0	2246	1.40	1653	5423	0	8	3.9	7.5	-1.1	-7.5
9.00	36.6	135.6	2303	1.43	1743	5718	0	19	3.7	7.1	-2.3	-6.8
9.50	37.5	137.9	2346	1.46	1833	6014	1	24	2.7	5.3	-2.2	-4.9
10.00	38.6	139.3	2368	1.47	1923	6309	1	39	1.3	2.6	-1.6	-2.0
10.50	40.0	139.8	2360	1.47	2013	6604	2	101	0.8	1.5	-1.5	0.3
11.00	41.6	140.0	2332	1.45	2103	6899	3	123	1.2	2.3	-1.9	1.3
11.50	43.3	140.3	2282	1.42	2193	7195	3	121	1.4	2.8	-2.4	1.5
12.00	45.0	140.7	2250	1.40	2283	7490	2	112	1.6	3.2	-3.0	1.2
12.50	46.7	141.5	2205	1.37	2373	7785	2	103	1.6	3.2	-3.1	0.7
13.00	48.2	142.3	2173	1.35	2463	8080	2	71	1.1	2.2	-2.1	-0.7
13.50	49.1	143.2	2143	1.36	2553	8376	0	20	2.2	4.2	-1.4	-4.0
14.00	49.3	145.1	2245	1.39	2643	8671	0	9	3.6	7.0	-1.1	-6.9
14.50	49.1	147.0	2339	1.45	2733	8966	0	4	3.8	7.4	-0.6	-7.3
15.00	49.6	148.5	2425	1.51	2823	9262	0	17	2.2	4.3	-1.3	-4.1
15.50	49.5	149.4	2435	1.51	2913	9557	0	356	2.9	5.7	0.4	-5.7
16.00	49.6	150.3	2582	1.60	3003	9852	0	349	3.6	7.1	1.3	-6.9
16.50	49.3	151.0	2632	1.64	3093	10147	0	351	2.3	4.4	0.7	-4.3
17.00	49.3	151.3	2709	1.68	3183	10443	0	339	2.9	5.7	2.0	-5.3
17.50	49.1	151.5	2807	1.74	3273	10738	7	330	3.1	6.0	3.0	-5.2
18.00	49.0	151.2	2895	1.80	3363	11033	7	325	3.0	5.8	3.3	-4.7
18.50	48.9	151.1	2983	1.85	3453	11329	7	328	3.7	7.2	3.8	-6.1
19.00	48.4	151.0	3116	1.94	3543	11624	7	329	4.5	8.7	4.5	-7.5
19.50	47.9	150.9	3253	2.02	3633	11919	7	325	4.0	7.8	4.5	-6.6
20.00	47.7	150.8	3358	2.09	3723	12214	7	321	3.5	6.9	4.3	-5.4

* CALCULATIONS ON BOTH SIDES OF THIS ENTRY WERE MADE USING LINEARLY INTERPOLATED DATA.

MABLE WC A/C CHEROKEE 3 AUGUST 1978

ARB FLT NO. 1 SOUNDING NO. TOP * LOCATION R-MILLVIEW (RUV)

SOUNDING TIME(PDT) BEGIN 1427 END 1450

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	9.0	0.016	0.20	
8100	20.0	9.0	0.019	0.20	
7700	21.0	9.0	0.024	0.20	NUMEROUS ALTO-CU CLOUDS
7300	21.0	9.5	0.017	0.20	
6900	23.0	9.5	0.021	0.20	
6500	23.0	9.5	0.027	0.20	
6100	21.0	8.5	0.040	0.20	
5700	23.0	10.0	0.017	0.20	
5300	24.0	13.0	0.030	0.50	
4900	24.0	13.0	0.023	0.50	
4500	24.0	13.0	0.027	0.50	
4100	25.0	15.0	0.006	0.80	
3700	25.0	14.0	0.003	0.90	
3300	25.0	15.0	0.007	0.70	HAZY TO THE SOUTH
2900	25.0	15.0	0.000	0.70	
2500	26.0	16.0	0.002	1.00	
2100	25.0	15.0	0.002	0.50	
1700	25.0	14.0	0.140	0.00	
1300	26.0	16.0	0.000	0.00	
900	22.0	16.5	0.022	0.00	
500	22.0	17.0	0.163	0.00	
133	27.0	19.0	0.105	0.00	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAULE WC A/C CHEROKEE 3 AUGUST 1978

ARB FLT NO. 1 SOUNDING NO. 200WN* LOCATION SALINAS (SNS)

SOUNDING TIME(PDT) BEGIN 1511 END 1529

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8300	21.0	8.5	0.022	0.20	SNS 290/14 29.90
8100	21.0	9.0	0.011	0.20	
7700	22.0	9.0	0.005	0.20	
7300	23.0	9.5	0.013	0.20	
6900	23.5	10.5	0.012	0.20	
6500	24.0	11.0	0.011	0.20	
6100	25.0	11.0	0.004	0.20	
5700	25.0	9.5	0.000	0.20	
5300	25.0	10.0	0.007	0.20	
4900	25.0	13.0	0.013	0.20	ST 4MI WEST OF DOWNTOWN SALINAS
4500	25.5	13.5	0.013	0.60	
4100	26.0	16.0	0.003	0.60	
3700	27.0	17.0	0.001	0.60	
3300	27.5	17.0	0.000	0.50	
2900	27.5	17.0	0.005	0.70	
2500	26.0	16.0	0.010	0.50	
2100	26.0	15.5	0.011	0.50	ST BASE ~2000FT
1700	24.0	14.0	0.012	0.60	
1300	0.0	0.0	0.000	0.50	
900	18.0	14.0	0.000	0.60	
500	0.0	0.0	0.000	0.50	
SFC	17.0	14.0	0.000	0.40	

GENERAL REMARKS

ST WEST OF SALINAS TOP~1500FT BASE ~1300FT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 3 AUGUST 1978
ARB FLT NO. 1 SOUNDING NO. 3DOWN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1544 END 1604

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	US (FPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	9.0	0.015	0.20	
8100	20.5	8.5	0.010	0.20	
7700	22.0	9.5	0.011	0.20	
7300	23.5	11.0	0.010	0.20	
6900	24.0	11.0	0.005	0.20	
6500	25.0	12.0	0.014	0.20	
6100	25.5	12.0	0.000	0.20	
5700	26.0	11.0	0.001	0.20	VISIBLE PARTICULATE POLLUTION S-SW
5300	26.0	12.0	0.000	0.20	
4900	26.0	13.0	0.008	0.20	
4500	26.5	14.0	0.024	0.20	
4100	27.0	15.0	0.008	0.20	
3700	28.0	14.5	0.017	0.60	
3300	28.0	15.0	0.005	0.70	
2900	27.5	15.0	0.000	0.60	
2500	27.0	15.5	0.005	0.50	
2100	27.0	17.0	0.000	0.50	
1700	26.0	15.0	0.005	0.50	
1300	25.0	15.5	0.005	0.50	
900	24.5	17.0	0.005	0.60	
500	24.0	17.0	0.000	0.80	
233	0.0	0.0	0.000	0.90	

+++GENERAL REMARKS+++

SLIGHT BUMPS AT 1400 FT HOL-S CO 1800FT-2400FT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

EAGLE NC A/C CHEROKEE 3 AUGUST 1978

ARM FLT NO. 1 SOUNDING NO. 40DWN* LOCATION HAYWARD (DWD)

SOUNDING TIME(PDT) BEGIN 1630 END 1701

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	21.0	9.0	0.010	0.00	
8100	21.0	9.0	0.012	0.00	
7700	21.0	9.0	0.021	0.00	ST OVER SAN FRANCISCO + THROUGH GOLDEN GATE BRIDGE
7300	22.0	10.0	0.007	0.00	SUTRO TOWER VISIBLE STICKING THRU ST
6900	23.0	11.0	0.014	0.00	
6500	24.0	11.0	0.003	0.00	
6100	25.0	11.0	0.000	0.00	
5700	26.5	11.0	0.002	0.00	
5300	27.0	11.5	0.005	0.00	
4900	28.0	12.0	0.012	0.00	
4500	27.5	12.5	0.013	0.20	
4100	28.0	14.5	0.012	0.30	
3700	29.0	15.0	0.010	0.20	
3300	29.0	16.0	0.025	0.30	
2900	28.0	17.0	0.000	0.50	
2500	27.0	17.0	0.012	0.60	
2100	27.0	16.0	0.010	0.30	
1700	27.0	15.5	0.002	0.30	
1300	24.0	17.0	0.002	0.30	
960	0.0	0.0	0.009	0.40	
560	21.0	16.0	0.010	0.50	
47	20.5	16.0	0.002	0.60	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE RC A/C CHEROKEE 3 AUGUST 1976
ARC FLT NO. 1 SOUNDING NO. SUP * LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 1715 END 1730

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.5	9.0	0.012	0.10	
8100	21.0	10.0	0.012	0.00	
7700	22.0	10.0	0.001	0.00	
7300	22.5	10.0	0.009	0.30	
6900	23.0	11.0	0.010	0.00	
6500	25.0	13.0	0.085	0.00	
6100	25.0	13.0	0.028	0.00	
5700	26.0	11.0	0.011	0.10	
5300	26.0	13.0	0.018	0.00	
4900	26.0	13.0	0.018	0.20	SUTRO TOWER VISIBLE THROUGH ST
4500	27.0	13.0	0.022	0.20	
4100	27.0	12.5	0.017	0.10	
3700	27.0	12.0	0.016	0.10	
3300	27.0	14.0	0.000	0.10	
2900	26.0	17.0	0.010	0.80	
2500	27.0	17.0	0.013	0.50	
2100	27.0	18.0	0.017	1.00	
1700	25.0	17.5	0.000	1.20	
1300	25.0	17.0	0.000	1.30	
900	22.0	17.0	0.000	1.10	
500	22.0	17.0	0.000	1.00	
4	23.0	17.0	0.000	1.00	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MADLE WC A/C CHEROKEE 4 AUGUST 1976

ARD FLT NO. 2 SOUNDING NO. 1004N* LOCATION SALINAS (SNS)

SOUNDING TIME (PIT) BEGIN 939 END 959

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.0	8.0	0.011	0.05	SNS WIND CALM, 30.00 SANTA CRUZ OVERCAST
8100	19.0	8.5	0.008	0.10	ST 1 1/2 MI WEST OF WATSONVILLE AIRPORT
7700	19.5	9.0	0.010	0.10	ST WEST OF DOWNTOWN SALINAS. ALTO-ST ABOVE
7300	21.0	9.5	0.010	0.10	
6900	23.0	10.0	0.005	0.10	
6500	24.0	9.5	0.011	0.10	
6100	24.5	9.5	0.010	0.10	
5700	25.0	9.5	0.011	0.10	
5300	25.0	10.0	0.011	0.10	
4900	26.0	10.5	0.012	0.05	
4500	26.0	11.0	0.012	0.05	
4100	27.0	12.0	0.012	0.00	
3700	27.0	12.0	0.009	0.10	
3300	27.0	15.0	0.044	0.70	
2900	26.0	15.0	0.000	0.30	
2500	27.0	15.5	0.001	0.30	
2100	25.0	16.0	0.004	0.50	SLIGHT BUMPS AT 2200FT
1700	25.0	16.0	0.011	0.60	
1300	22.0	15.0	0.000	0.50	
900	20.0	14.0	0.000	1.50	
500	15.0	13.0	0.000	1.80	
84	16.0	13.0	0.000	1.90	

GENERAL REMARKS

ST WEST OF SALINAS TOPS - 500 FT BASE - 300 FT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE RC A/C CHEROKEE 4 AUGUST 1978
ARC FLT NO. 2 SOUNDING NO. 2DOWN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1012 END 1031

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10^{-4} M^{-1})	REMARKS
8500	17.0	8.5	0.006	0.10	HILL TOPS NEAR SAN FRANCISCO VISIBLE
8100	19.0	9.5	0.005	0.10	COYOTE + SOUTH SAN JOSE VISIBLE
7700	21.0	10.5	0.007	0.10	REST OF BAY AREA (GROUND) OBSCURED
7300	22.5	11.0	0.005	0.05	SAN JOAQUIN VALLEY OBS SAN LUIS REY RES VISIBLE
6900	24.0	11.0	0.012	0.05	SOUTH EAST SALINAS VALLEY OBS
6500	24.0	10.0	0.005	0.05	
6100	24.5	10.5	0.009	0.20	
5700	25.0	11.0	0.007	0.10	
5300	25.0	11.0	0.007	0.10	
4900	26.0	11.5	0.004	0.05	
4500	26.5	12.0	0.012	0.05	
4100	27.0	12.0	0.010	0.05	
3700	27.0	12.5	0.009	0.05	
3300	27.5	13.5	0.008	0.40	
2900	28.0	14.0	0.011	0.30	
2500	28.0	14.0	0.011	0.50	SLIGHT BUMPS 2500 FT
2100	27.0	15.5	0.009	0.50	
1700	25.0	15.0	0.006	0.50	
1300	22.5	15.0	0.005	0.60	SLIGHT BUMP 1100 FT
900	20.0	15.0	0.002	0.60	
500	20.0	15.0	0.004	0.60	
233	21.0	15.0	0.004	0.60	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE AC A/C CHEROKEE 4 AUGUST 1976

ARE FLT NO. 2 SOUNDING NO. 3UDEN* LOCATION R-HILLVIEW (RHV)

SOUNDING TIME(PDT) BEGIN 1157 END 1116

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	10.0	0.014	0.10	RHV 10452 1200FT SCT 29.97 RHV 17452 35075 29.97
8100	19.5	10.5	0.007	0.10	ST THRU GOLDEN GATE BRIDGE
7700	20.0	11.0	0.004	0.10	
7300	21.0	11.0	0.005	0.10	
6900	22.0	11.5	0.006	0.10	
6500	23.5	12.0	0.010	0.10	
6100	24.0	13.0	0.010	0.10	
5700	25.0	13.0	0.010	0.05	
5300	27.0	12.0	0.009	0.05	SLANT RANGE NORTH GREATER THAN TO THE SOUTH.
4900	27.0	13.0	0.008	0.05	
4500	27.5	13.0	0.009	0.05	
4100	28.0	13.0	0.006	0.00	
3700	28.5	15.0	0.006	0.05	
3300	29.0	15.0	0.005	0.05	
2900	29.0	15.5	0.008	0.10	
2500	28.0	15.0	0.005	0.20	
2100	28.0	16.0	0.004	0.50	
1700	25.0	17.0	0.006	0.90	
1300	22.0	15.0	0.007	1.50	LIGHT BUMPS 1700-1300FT
900	23.0	16.5	0.006	1.00	
500	23.5	16.5	0.008	0.80	
133	24.0	17.0	0.010	0.80	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE RC A/C CHEROKEE 4 AUGUST 1978
ARB FLT NO. 2 SOUNDING NO. 4UP * LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 1126 END 1148

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.0	9.0	0.004	0.00	
8100	19.5	11.0	0.007	0.05	
7700	20.5	11.5	0.004	0.10	
7300	20.5	12.0	0.010	0.05	
6900	22.5	12.5	0.008	0.05	
6500	23.5	13.0	0.005	0.05	
6100	25.0	13.0	0.008	0.05	
5700	25.0	14.0	0.006	0.05	
5300	27.0	13.5	0.004	0.00	
4900	27.0	13.0	0.007	0.00	GILROY AND DOWNTOWN SAN FRANCISCO VISIBLE
4500	27.0	13.0	0.004	0.00	
4100	28.0	13.0	0.007	0.05	
3700	28.0	13.0	0.006	0.05	
3300	27.0	13.0	0.007	0.10	
2900	27.0	14.0	0.009	0.20	
2500	27.0	14.0	0.007	0.20	
2100	25.0	15.0	0.010	0.40	
1700	21.0	15.0	0.006	1.20	
1300	21.0	15.0	0.007	1.80	
900	20.5	15.0	0.006	2.00	LIGHT BUMPS 1000FT
500	20.0	16.0	0.006	2.40	
4	21.0	17.0	0.008	2.50	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 4 AUGUST 1970
ARB FLT NO. 3 SOUNDING NO. 2DOWN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1820 END 1840

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	9.0	0.004	0.10	CLEAR AND DARK STRATA VISIBLE SAN JUAQUIN VALLEY OBS
8100	19.5	10.0	0.000	0.10	CU VISIBLE OVER SIERRAS SIERRAS NOT VISIBLE
7700	21.0	11.0	0.012	0.20	Trough
7300	21.0	14.0	0.020	0.20	~~[illegible]~~ FORMING IN SI NEAR MONTEREY
6900	23.0	12.0	0.010	0.30	(RUNS E-W) 10 MILES LONG
6500	23.5	12.0	0.243	0.40	MORE DEVELOPED (DEEPER) NEAR COASTLINE
6100	25.0	13.0	0.025	0.60	
5700	25.5	14.0	0.009	0.10	LARGE CU TO NORTH GOOD VERTICAL DEVELOPMENT
5300	27.0	15.0	0.012	0.20	
4900	26.0	16.0	0.008	0.60	
4500	26.0	16.0	0.006	0.20	
4100	26.5	17.0	0.006	0.10	
3700	26.5	19.0	0.011	0.50	
3300	29.0	17.0	0.007	0.60	
2900	28.0	14.0	0.007	1.00	
2500	27.0	20.0	0.006	1.00	
2100	28.0	19.0	0.003	1.10	
1700	27.0	18.0	0.005	0.80	SLIGHT BUMPS 1400 FT
1300	23.0	17.0	0.000	0.40	BUMPS INCREASING 1200 FT
900	22.5	16.5	0.002	0.50	
500	22.0	16.5	0.006	1.00	
233	23.0	17.0	0.009	1.90	WIND 230/LIGHT

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MALLE AC A/C CHEROKEE 4 AUGUST 1978
ARE FLT NO. 3 SOUNDING NO. 3UP * LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 1856 END 1910

ALTITUDE (FT ABOVE MSL)	T (C)	Tw (C)	O3 (PPM)	σSCAT (10-4 M-1)	REMARKS
8500	19.0	9.0	0.008	0.10	STRATIFIED BANDS OF DARK + CLEAR STILL VISIBLE.
8100	21.0	11.0	0.007	0.10	
7700	21.5	11.5	0.005	0.10	
7300	22.5	12.0	0.009	0.10	
6900	23.5	13.0	0.006	0.20	
6500	24.0	13.5	0.008	0.20	
6100	25.0	14.0	0.024	0.20	
5700	26.0	15.0	0.002	0.30	
5300	27.0	15.5	0.006	0.40	
4900	27.5	16.0	0.010	0.50	
4500	27.5	15.0	0.008	0.30	
4100	27.0	14.0	0.010	0.20	
3700	28.0	15.0	0.009	0.20	SLIGHT BUMPS 3500 FT
3300	27.0	16.0	0.008	0.50	
2900	27.0	17.0	0.008	0.50	
2500	26.0	19.0	0.010	0.60	
2100	26.0	19.0	0.006	1.20	
1700	25.0	18.0	0.006	1.60	
1300	24.5	17.5	0.010	1.40	
900	23.0	17.0	0.009	1.20	
500	23.5	17.5	0.010	1.20	
281	23.0	17.0	0.005	1.10	WIND S-SE 5KTS

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE #C A/C CHEROKEE 4 AUGUST 1976
ARB FLT NO. 3 SOUNDING NO. 4DOWN* LOCATION R-HILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 1925 END 1947

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	OJ (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.5	10.0	0.015	0.10	RHV 01462 290/7 20,000FT SCT @ MI 29.90
8100	19.0	10.5	0.015	0.10	
7700	21.0	11.0	0.012	0.10	
7300	22.0	12.0	0.012	0.10	
6900	23.0	12.0	0.013	0.10	
6500	24.0	13.0	0.011	0.20	
6100	25.5	14.0	0.013	0.40	
5700	27.0	15.0	0.010	0.70	
5300	27.0	16.0	0.011	0.50	OJ TO NORTH DISSIPATING
4900	28.0	17.0	0.008	0.20	
4500	29.0	18.0	0.009	0.10	
4100	28.5	18.0	0.005	0.50	
3700	28.0	17.0	0.009	0.60	
3300	27.0	18.0	0.012	0.60	
2900	27.0	18.0	0.010	0.40	
2500	27.5	19.0	0.005	0.50	
2100	27.0	20.0	0.008	0.60	
1700	27.0	19.0	0.010	0.04	
1300	27.0	19.0	0.010	1.10	
900	25.0	19.0	0.007	1.30	
500	0.0	0.0	0.008	1.40	700 FT 26 DEGREES @ 20 DEGREES C
133	0.0	0.0	0.007	1.50	

+++GENERAL REMARKS+++

RHV 23452 280/6 29.92 RHV 01462 290/7 8MI 29.90 RHV 02452 290/7 29.90

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE AC A/C CHEROKEE 4 AUGUST 1978
ARB FLT NO. 3 SOUNDING NO. 5UP * LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 1956 END 2015

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.0	11.0	0.005	0.15	NO HAD SOUNDING
8100	20.0	11.0	0.009	0.15	
7700	21.0	11.0	0.009	0.15	
7300	21.5	11.5	0.010	0.15	
6900	23.0	13.0	0.009	0.15	
6500	23.5	13.0	0.005	0.20	
6100	25.0	14.0	0.005	0.20	
5700	26.0	15.0	0.010	0.20	
5300	27.0	15.5	0.010	0.20	
4900	27.0	16.0	0.010	0.20	ST SLOPING UP OVER BERKELEY
4500	27.5	16.0	0.009	0.50	
4100	28.0	15.0	0.007	0.70	
3700	28.5	14.5	0.007	0.50	ST EXTENDS ACROSS BAY
3300	29.0	15.0	0.011	0.10	
2900	29.5	15.0	0.009	0.10	ST THRU GOLDEN GATE BRIDGE SUTRO TWR VISIBLE
2500	28.0	15.0	0.011	0.20	
2100	27.0	16.5	0.009	0.20	
1700	26.0	17.0	0.006	0.30	
1300	24.5	17.0	0.008	0.40	
900	0.0	0.0	0.008	0.70	
500	22.0	17.0	0.008	1.00	SLIGHT BUMPS 900FT-1200FT
4	21.0	18.0	0.009	1.10	

+++GENERAL REMARKS+++

LIGHT BUMPS 1300 FT POSSIBLE WING-TIP VORTICE, PLANE AHEAD ON FINAL IN SIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE PC A/C CHEROKEE 7 AUGUST 1978

ARB FLT NO. 4 SOUNDING NO. 10P * LOCATION R-HILLVIEW (RHV)

SOUNDING TIME(PST) BEGIN 619 END 640

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.5	10.5	0.015	0.40	
8100	19.0	11.5	0.019	0.50	ALTO ST 12000-15000FT
7700	20.0	12.0	0.017	0.50	
7300	21.0	13.0	0.022	0.50	LAYER OF HAZE (DARK) VISIBLE AT 17000FT
6900	23.0	13.5	0.023	0.60	
6500	24.0	13.5	0.024	0.60	
6100	25.0	14.0	0.026	0.50	SAN JUAQUIN VALLEY OBS
5700	26.0	15.0	0.021	0.40	
5300	26.5	15.0	0.033	0.40	
4900	26.0	15.0	0.032	0.40	
4500	29.0	15.0	0.007	0.50	ST VISIBLE OVER SALINASS VALLEY
4100	29.0	15.5	0.002	0.60	
3700	30.0	15.5	0.000	0.50	
3300	30.0	15.0	0.008	0.30	HAZY TO NW. OVER BAY
2900	29.0	14.0	0.032	0.30	
2500	26.5	13.5	0.024	0.40	
2100	28.0	13.0	0.026	0.30	
1700	0.0	9.0	0.024	0.20	ALTO ST VISIBLE TO EAST + WEST
1300	0.0	9.0	0.029	0.50	TOP OF HAZE 1000 FT
900	0.0	9.0	0.011	1.00	700 FT 16 DEGREES C 16 DEGREES C O3 = 0.012
500	17.0	15.0	0.000	1.10	
100	17.0	15.0	0.000	1.10	

GENERAL REMARKS

RHV 15402 CALM 29.92 END OF FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 7 AUGUST 1978

ARP FLT NO. 4 SOUNDING NO. 2DOWN* LOCATION SO. COUNTY (SCO)

SOUNDING TIME(PDT) BEGIN 649 END 719

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	12.0	0.007	0.40	SANTA CRUZ + WATSONVILLE HAZY
8100	21.0	14.0	0.004	0.40	
7700	21.0	15.0	0.007	0.40	
7300	21.5	15.5	0.005	0.60	
6900	23.0	15.5	0.006	0.50	
6500	23.5	17.0	0.000	0.50	
6100	24.5	18.0	0.004	0.40	
5700	25.0	18.5	0.004	0.50	
5300	26.0	19.5	0.005	0.40	
4900	27.0	21.0	0.001	0.40	
4500	28.5	22.0	0.000	0.40	
4100	29.0	23.0	0.000	0.40	
3700	30.5	24.0	0.000	0.30	
3300	31.0	25.0	0.000	0.30	
2900	32.0	25.0	0.000	0.30	
2500	30.0	24.5	0.000	0.20	
2100	28.5	23.5	0.001	0.30	
1700	26.5	22.0	0.000	0.40	YELLOW LAYER TO SE + NORTH 1500 FT
1300	23.5	19.5	0.000	0.40	
900	21.0	18.0	0.005	0.60	
500	17.0	16.0	0.006	0.70	
281	18.0	16.0	0.003	0.70	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE AC A/C CHEROKEE 7 AUGUST 1978

ARB FLT NO. 4 SOUNDING NO. 30F * LOCATION SALINAS (SNS)

SOUNDING TIME (PDT) BEGIN 726 END 746

ALTITUDE FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	12.5	0.010	0.20	
8100	19.5	14.5	0.012	0.30	
7700	21.0	15.5	0.003	0.50	
7300	22.0	16.5	0.010	0.50	
6900	23.5	17.0	0.008	0.30	
6500	24.5	17.0	0.006	0.20	
6100	25.0	18.0	0.005	0.25	
5700	26.0	19.5	0.005	0.30	
5300	27.0	20.0	0.001	0.35	
4900	27.5	21.0	0.010	0.30	SMOKE FROM FIRE IN SALINAS VALLEY MOVING NW
4500	28.0	21.5	0.008	0.35	
4100	29.0	22.5	0.003	0.35	
3700	30.0	22.0	0.010	0.40	
3300	29.5	22.0	0.002	0.20	
2900	29.0	21.0	0.004	0.20	
2500	28.5	19.0	0.005	0.20	
2100	27.0	16.5	0.008	0.20	
1700	24.0	15.0	0.000	0.30	MONTEREY HAZY, BUT CLEAR OF ST
1300	18.0	14.0	0.000	0.60	ST JUST OFF THE COAST
900	16.0	15.0	0.000	0.60	
500	14.5	13.0	0.006	0.70	
84	15.0	13.0	0.000	0.90	

GENERAL REMARKS

SNS (718 PDT CALM 30.00 YELLOW LAYER OVER MOSS LANDING POWER PLANT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 7 AUGUST 1978
ARB FLT NO. 4 SOUNDING NO. 4LOWN* LOCATION SANTA CRUZ (SCZ)
SOUNDING TIME(PDT) BEGIN 800 END 821

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	14.5	0.010	0.30	COASTLINE OF SANTA CRUZ UNDER ST
8100	21.0	15.0	0.018	0.30	
7700	22.0	15.5	0.012	0.30	
7300	23.0	16.0	0.003	0.20	
6900	24.0	16.0	0.000	0.20	
6500	24.5	17.0	0.004	0.30	
6100	25.0	18.0	0.014	0.40	
5700	26.0	19.0	0.004	0.35	
5300	27.5	19.5	0.002	0.30	
4900	28.5	20.5	0.002	0.30	
4500	29.0	21.0	0.008	0.30	
4100	30.0	22.0	0.007	0.30	
3700	31.5	22.5	0.010	0.20	
3300	32.0	23.0	0.006	0.15	
2900	31.5	23.0	0.003	0.20	
2500	31.5	23.0	0.000	0.20	
2100	31.5	23.0	0.000	0.20	
1700	26.0	19.5	0.005	0.30	
1300	22.0	16.5	0.004	0.50	
900	18.0	16.5	0.011	0.50	
500	16.0	15.0	0.007	0.80	
350	14.5	14.0	0.007	0.80	ST TOP 350FT BASE 250FT

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE RC A/C CHEROKEE 7 AUGUST 1978
ARG FLT NO. 5 SOUNDING NO. 10P * LOCATION R-HILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 1451 END 1500

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	11.0	0.023	0.35	
8100	21.0	11.0	0.030	0.30	
7700	22.0	11.5	0.019	0.20	
7300	23.0	13.0	0.009	0.20	
6900	24.0	14.0	0.023	0.20	
6500	25.0	14.0	0.025	0.30	
6100	26.0	14.0	0.024	0.40	
5700	27.0	15.5	0.019	0.25	O3=0.067 5500 FT
5300	27.5	16.0	0.061	0.35	
4900	28.5	16.5	0.000	0.40	
4500	29.5	17.0	0.000	0.40	CU TO EAST OVER SIERRAS. SIERRAS NOT VISIBLE
4100	30.0	18.0	0.000	0.40	ALTO-ST TO THE SOUTH
3700	30.0	18.0	0.000	0.35	
3300	29.0	17.5	0.000	0.50	
2900	29.5	18.0	0.000	0.70	
2500	29.5	16.5	0.000	0.40	
2100	29.5	16.5	0.000	0.45	
1700	30.0	18.0	0.000	0.40	
1300	29.5	19.0	0.000	0.35	
900	29.0	20.0	0.000	0.30	
500	32.5	21.0	~~0.055~~	0.30	O3-AIRCRAFT EXHAUST^
133	34.0	22.0	0.010	0.30	

GENERAL REMARKS

RHV 2145Z 290/8 29.95 RHV 2245Z 300/15 29.93 RHV 2345Z 310/10 29.94

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MASLE NC A/C CHEROKEE 7 AUGUST 1976
ARB FLT NO. 5 SOUNDING NO. 2DOWN* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 1517 END 1543

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	12.5	0.014	0.10	CU TO EAST STILL GROWING STRATA OF HAZE VISIBLE TO
8100	21.5	13.0	0.014	0.20	THE EAST. CLEAR LAYER (ABOVE 8500 FT) BETWEEN
7700	22.5	14.5	0.012	0.20	DARK LAYERS TO NW ALSO SI. THROUGH GOLDEN GATE
7300	23.5	15.0	0.008	0.20	BRIDGE OFF SAN FRANCISCO COAST ALSO
6900	24.5	16.0	0.001	0.30	SLANT RANGE VISIBILITY TO NORTH BETTER THAN
6500	25.0	17.0	0.000	0.35	TO EAST OR SOUTH. SLANT RANGE TO WEST
6100	26.0	18.0	0.000	0.40	IS VERY GOOD. BASE OF SUTRO TOWER
5700	27.0	18.5	0.000	0.45	VISIBLE ABOVE THE SI. ST. ABOVE HILLS WEST OF SFO
5300	27.5	19.0	0.000	0.40	PASS (LOS GATOS-SANTA CRUZ) COMPLETELY OBS.
4900	28.0	19.5	0.000	0.40	
4500	28.5	20.0	0.000	0.45	
4100	29.5	20.5	0.000	0.50	
3700	31.0	21.0	0.000	0.60	
3300	31.0	22.0	0.000	0.60	
2900	31.0	23.0	0.000	0.40	
2500	31.0	23.0	0.000	0.40	
2100	31.5	22.5	0.000	0.60	
1700	29.0	22.5	0.011	0.80	
1300	27.5	21.0	0.000	0.70	
900	26.5	20.5	0.000	0.60	
500	26.0	21.0	0.000	0.60	
47	26.5	21.0	0.000	0.60	

GENERAL REMARKS

HWD-FRE. LIGHT BUMPS EXPERIENCED AT 700 FT, 1000 FT, 1500 FT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 7 AUGUST 1978

ARB FLT NO. 5 SOUNDING NO. 3UP * LOCATION FREMONT (FRE)

SOUNDING TIME(PDT) BEGIN 1550 END 1612

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.5	13.0	0.010	0.30	9000FT 19DEGREE C 13DEGREE C 9500FT 18DEGREE C 12 DE
8100	21.5	13.0	0.009	0.23	RAV 22452 300/15 29.93
7700	22.5	14.5	0.001	0.23	
7300	23.0	15.0	0.012	0.30	
6900	24.5	16.0	0.004	0.35	
6500	25.0	17.0	0.000	0.40	
6100	26.0	17.5	0.000	0.45	
5700	26.5	18.0	0.000	0.40	
5300	27.5	19.0	0.000	0.40	
4900	28.5	19.5	0.000	0.40	PASS TO SANTA CRUZ BARELY VISIBLE
4500	29.0	21.0	0.000	0.50	
4100	29.5	21.0	0.000	0.60	
3700	30.0	21.0	0.001	0.50	
3300	31.0	21.5	0.002	0.35	
2900	30.0	21.0	0.001	0.35	
2500	29.0	19.5	0.000	0.50	
2100	28.5	19.5	0.000	0.60	
1700	28.0	21.0	0.000	0.70	SLIGHT BUMPS AT 1500 FT
1300	29.0	22.0	0.000	0.75	
900	30.0	23.0	0.000	0.80	
500	29.0	22.0	0.001	0.90	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE NC A/C CHEROKEE 7 AUGUST 1978
ARB FLT NO. 3 SOUNDING NO. 4DOWN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 1620 END 1640

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	C3 (FPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	12.5	0.012	0.30	9500FT 18 , 12.5 DEG C. 9000FT 19 12.5 DEG C.
8100	21.0	14.0	0.012	0.35	DEGREE C. SAN JOSE OBS BY HAZE. SANTA CRUZ CLEAR,
7700	22.0	14.5	0.013	0.40	MONTEREY CLEAR, LIGHT, SCATTERED ST NEAR SALINAS.
7300	23.5	15.5	0.013	0.40	
6900	24.0	15.5	0.014	0.45	
6500	24.5	17.0	0.013	0.45	
6100	26.0	18.5	0.011	0.50	
5700	27.0	19.0	0.002	0.55	WINDS AT SFC FROM S.E. 10-15 KTS.
5300	27.5	19.0	0.010	0.50	
4900	28.5	20.0	0.002	0.60	
4500	29.5	21.5	0.004	0.50	
4100	30.5	22.5	0.000	0.60	
3700	31.0	23.0	0.000	0.50	SLIGHT BUMP AT 3600 FEET
3300	30.5	24.0	0.001	0.60	
2900	30.0	23.5	0.001	1.10	
2500	30.0	23.5	0.012	0.60	
2100	30.0	23.5	0.002	0.90	SLIGHT BUMPS 1800 FEET
1700	30.5	23.5	0.012	0.80	
1300	31.0	23.5	0.000	0.60	
900	30.0	23.5	0.000	0.60	
500	30.5	23.5	0.000	0.55	
281	31.0	24.0	0.000	0.50	

GENERAL REMARKS

SCO-HOL SLIGHT BUMP AT 1000 FEET.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 7 AUGUST 1978

ARB FLT NO. 5 SOUNDING NO. SUP # LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 1656 END 1717

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.5	14.0	0.025	0.35	ALTO ST 20000 FEET
8100	21.0	15.0	0.023	0.40	
7700	21.5	15.5	0.000	0.30	
7300	23.0	16.0	0.001	0.30	
6900	24.0	17.0	0.000	0.35	
6500	25.0	18.0	0.011	0.40	
6100	26.0	19.0	0.000	0.40	
5700	27.0	20.0	0.023	0.40	
5300	27.5	20.0	0.000	0.40	MOSS LANDING VISIBLE
4900	28.0	21.0	0.000	0.40	
4500	29.0	21.5	0.000	0.40	
4100	30.0	22.5	0.022	0.40	
3700	30.0	22.5	0.001	0.40	
3300	29.5	22.0	0.020	0.40	
2900	31.0	23.0	0.000	0.35	
2500	31.0	22.5	0.000	0.30	
2100	30.0	22.0	0.000	0.30	
1700	28.0	19.5	0.000	0.45	
1300	26.0	20.5	0.000	0.60	
900	27.0	20.5	0.000	0.70	
500	27.0	21.0	0.000	0.80	
233	27.0	21.0	0.000	0.60	WIND -230/5

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 7 AUGUST 1978

ARB FLT NO. 0 SOUNDING NO. 1DOWN* LOCATION HAYWARD (HWD)

SOUNDING TIME(PDT) BEGIN 2040 END 2058

ALTITUDE (FT ABOVE MSL)	T (C)	Tw (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	9.0	0.007	0.23	ST. OVER TOPS OF HILLS WEST OF SFO + ALSO
8100	20.0	14.0	0.005	0.23	AT BAY ENTRANCE. CI TO WEST
7700	21.0	11.0	0.005	0.25	SCATTERED ALTO ST TO EAST
7300	23.0	13.0	0.014	0.40	
6900	23.0	13.5	0.005	0.40	
6500	24.5	14.0	0.010	0.40	
6100	25.0	15.0	0.006	0.40	
5700	26.0	15.5	0.009	0.35	
5300	27.0	15.5	0.011	0.35	
4900	27.5	16.5	0.002	0.20	
4500	29.0	17.0	0.001	0.30	
4100	30.0	18.5	0.001	0.30	
3700	30.5	21.0	0.002	0.10	
3300	31.0	22.0	0.001	0.10	LIGHT BUMP 3200 FEET
2900	31.5	21.5	0.011	0.23	
2500	32.0	21.0	0.007	0.40	LIGHT-MODERATE BUMPS 2400 FEET
2100	31.0	21.0	0.000	0.40	BUMPS DECREASING 1600-1000 FEET
1700	30.5	21.0	0.010	1.00	
1300	27.0	20.0	0.003	0.80	
900	25.0	19.0	0.010	0.80	
500	23.5	18.0	0.001	0.80	
*7	19.0	15.5	0.005	1.30	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 7 AUGUST 1978
ARB FLT NO. 5 SOUNDING NO. 6DOWN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1720 END 1736

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	21.0	14.0	0.003	0.30	ALTO ST-20,000 FT SANTA CRUZ, WATSONVILLE,
8100	21.0	14.0	0.001	0.23	MONTEREY, ALL HAZY SMALL PATCH OF ST
7700	22.0	15.0	0.051	0.23	OVER THE LAND NEAR CURVE IN COASTLINE
7300	23.0	15.0	0.025	0.30	(MONTEREY) SAN JOSE OBS.
6900	24.0	16.0	0.049	0.30	
6500	25.0	17.0	0.059	0.40	SNS 310/15 29.97
6100	25.5	18.0	0.003	0.35	
5700	26.5	18.5	0.004	0.30	
5300	27.0	19.0	0.001	0.30	
4900	28.0	20.0	0.000	0.40	
4500	29.0	21.0	0.001	0.40	
4100	29.0	21.0	0.001	0.50	
3700	29.5	21.0	0.011	0.50	
3300	29.5	22.0	0.011	0.60	
2900	30.0	22.0	0.002	0.50	
2500	29.0	22.5	0.004	0.50	
2100	28.0	21.0	0.001	0.50	
1700	26.0	20.0	0.000	0.50	
1300	25.0	19.0	0.000	0.40	
900	23.0	18.5	0.000	0.60	
500	19.5	18.5	0.000	0.50	
84	20.0	17.0	0.000	0.55	SMOOTH ALL THE WAY DOWN

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MADLE AC A/C CHEROKEE 7 AUGUST 1978

ARO FLT NO. 6 SOUNDING NO. 20P * LOCATION FREMONT (FRL)

SOUNDING TIME(MDT) BEGIN 2106 END 2125

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	11.5	0.003	0.30	
8100	21.0	13.0	0.000	0.30	
7700	21.0	13.0	0.000	0.35	
7300	22.5	15.0	0.003	0.40	
6900	24.0	16.0	0.000	0.40	
6500	25.0	15.5	0.001	0.40	
6100	25.5	17.0	0.004	0.40	
5700	26.0	17.5	0.001	0.40	
5300	27.0	19.0	0.001	0.40	
4900	27.5	19.0	0.001	0.40	
4500	29.0	21.0	0.008	0.30	
4100	30.0	21.0	0.010	0.30	
3700	30.0	21.0	0.001	0.30	
3300	30.0	20.5	0.001	0.10	
2900	29.5	18.0	0.000	0.10	
2500	29.0	17.0	0.000	0.23	
2100	28.0	16.0	0.003	0.40	
1700	26.0	16.0	0.011	0.70	
1300	25.0	16.0	0.002	0.80	
900	24.5	17.0	0.007	0.90	
500	0.0	0.0	0.000	1.10	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 7 AUGUST 1978
ARB FLT NO. 6 SOUNDING NO. 500WN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 2218 END 2231

ALTITUDE FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	11.0	0.011	0.30	OAKLAND VISIBLE TO NW. SALINAS (+) TO SOUTH
8100	21.0	11.5	0.008	0.25	SANTA CRUZ + WATSONVILLE VISIBLE. WATSONVILLE
7700	22.0	12.0	0.008	0.23	SLIGHTLY HAZY. LIGHTS IN SAN JOAQUIN
7300	23.0	13.0	0.012	0.25	VALLEY VISIBLE TO THE S.E. + N.W.
6900	24.0	14.5	0.013	0.30	SLIGHT BUMPS 7000 FEET
6500	25.0	15.5	0.013	0.30	
6100	26.0	16.0	0.005	0.30	
5700	26.5	16.5	0.005	0.35	
5300	27.0	17.0	0.011	0.40	
4900	27.0	18.0	0.011	0.50	
4500	28.0	19.0	0.013	0.60	
4100	29.0	19.0	0.008	0.70	
3700	29.0	20.0	0.005	0.60	SLIGHT BUMPS 3600 FT AND 3400 FT
3300	30.0	21.0	0.010	0.50	
2900	30.5	21.0	0.012	0.40	
2500	29.0	19.0	0.010	0.20	SLIGHT BUMPS AT 2400 FT-1800 FT
2100	27.0	18.0	0.012	0.45	
1700	27.0	19.0	0.009	0.50	SLIGHT BUMPS 2300 FT-1800 FT
1300	27.0	19.5	0.004	0.55	
900	27.0	20.0	0.006	0.55	
500	23.5	19.0	0.005	0.60	
233	23.0	18.0	0.005	0.60	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 7 AUGUST 1978
ARB FLT NO. 6 SOUNDING NO. 6DOWN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 2243 END 2257

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.5	11.5	0.000	0.30	SCATTERED ST 7 MI NORTH OF SNS.
8100	19.5	11.5	0.001	0.35	ST. FROM FOOTHILLS * WEST.
7700	21.0	15.0	0.001	0.35	SNS 300/6 29.96
7300	22.0	17.0	0.012	0.40	
6900	23.0	15.0	0.012	0.40	
6500	24.0	15.0	0.003	0.35	
6100	25.0	15.0	0.010	0.35	
5700	26.0	17.0	0.010	0.40	
5300	27.0	17.0	0.000	0.45	
4900	27.5	19.0	0.000	0.50	
4500	28.5	19.0	0.000	0.55	
4100	29.0	20.0	0.000	0.60	
3700	29.0	20.0	0.000	0.65	
3300	30.0	20.5	0.000	0.60	
2900	31.0	20.5	0.001	0.45	
2500	31.0	21.0	0.008	0.30	THIN ST. OVER RUNWAY
2100	29.0	21.0	0.009	0.70	BASE=400 FT TOP=600 FT
1700	29.0	20.5	0.011	0.55	
1300	29.0	20.5	0.007	0.60	SLIGHT BUMPS 1100 FEET
900	20.0	15.0	0.011	0.50	
500	17.0	15.0	0.011	0.60	
84	14.5	13.0	0.010	0.50	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE WC A/C CHEROKEE 8 AUGUST 1978
ARB FLT NO. 7 SOUNDING NO. IOP * LOCATION R-HILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 930 END 952

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10^{-4} M-1)	REMARKS
8500	20.5	10.5	0.001	0.30	CLEAR + DARK STRATA VISIBLE ABOVE.
8100	21.5	12.0	0.001	0.30	
7700	23.0	13.0	0.012	0.30	
7300	21.5	13.5	0.003	0.30	
6900	24.5	14.5	0.004	0.35	
6500	25.5	15.0	0.024	0.25	
6100	26.0	15.5	0.004	0.30	
5700	27.0	15.5	0.002	0.45	
5300	27.5	15.5	0.012	0.50	
4900	28.5	16.0	0.014	0.60	
4500	29.0	17.0	0.019	0.55	
4100	29.0	17.5	0.021	0.50	
3700	20.5	18.0	0.022	0.45	
3300	31.5	18.0	0.024	0.40	
2900	32.0	18.0	0.026	0.30	
2500	28.5	14.5	0.033	0.20	
2100	27.0	13.5	0.044	0.23	
1700	25.0	13.0	0.000	1.00	TOP OF VISIBLE HAZE
1300	17.0	15.5	0.000	1.90	1200 FT-1500 FT
900	17.5	15.5	0.000	1.80	
500	19.0	16.0	0.003	1.50	
133	20.0	16.5	~~0.254~~	1.60	O3 -BELIEVED TO BE FROM AIRCRAFT EXHAUST.

GENERAL REMARKS

RHV 1545Z 310/5 29.93

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 8 AUGUST 1978

ARB FLT NO. 7 SOUNDING NO. 2DOWN* LOCATION HAYWARD (HWD)

SOUNDING TIME(PDT) BEGIN 1002 END 1022

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	U3 (FPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	11.5	0.000	0.23	ST. TOUCHING COASTAL HILLS AND THROUGH BAY ENTRANCE.
8100	21.5	12.0	0.000	0.23	SAN JOAQUIN VALLEY OBS.
7700	21.5	12.0	0.000	0.23	SFO 1052Z 300/8 CLEAR 12 MILES 29.93
7300	22.5	13.0	0.000	0.23	HWD 2700 29.93
6900	23.5	14.0	0.000	0.23	
6500	24.5	15.0	0.000	0.30	OAK 1700Z 290/6 CLEAR 12 MI 64 DEGREES F 29.93
6100	25.5	16.5	0.000	0.40	
5700	26.5	17.5	0.000	0.50	
5300	27.0	19.0	0.000	0.50	
4900	28.0	19.0	0.000	0.40	
4500	29.0	20.5	0.000	0.40	
4100	30.5	21.0	0.000	0.40	
3700	30.5	21.0	0.000	0.40	
3300	31.0	22.0	0.000	0.40	
2900	31.5	22.5	0.000	0.50	
2500	30.5	23.0	0.000	0.80	
2100	30.0	23.0	0.000	0.55	
1700	29.0	22.0	0.002	0.50	
1300	26.0	18.5	0.002	0.70	
900	21.5	17.0	0.001	1.60	SLIGHT BUMP 900 FT.
500	19.0	16.0	0.002	1.50	
47	19.5	16.0	0.000	1.45	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 8 AUGUST 1978
ARB FLT NO. 7 SOUNDING NO. SUP * LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 1023 END 1052

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.5	11.5	0.003	0.23	
8100	21.0	14.5	0.003	0.23	
7700	22.0	13.0	0.003	0.23	
7300	23.5	14.5	0.003	0.23	
6900	25.0	15.5	0.005	0.23	
6500	26.0	16.5	0.013	0.23	
6100	27.0	17.0	0.003	0.23	
5700	27.5	15.0	0.002	0.23	
5300	28.5	15.5	0.004	0.23	
4900	29.0	19.0	0.002	0.30	
4500	30.0	21.0	0.001	0.40	
4100	31.0	20.0	0.002	0.50	
3700	31.5	19.5	0.009	0.60	
3300	31.0	20.0	0.001	0.70	
2900	30.5	19.5	0.001	0.50	
2500	29.0	19.5	0.001	0.60	
2100	28.5	17.0	0.001	0.40	
1700	26.0	15.0	0.001	0.30	
1300	21.0	15.0	0.001	1.65	
900	20.5	16.5	0.001	1.50	
500	20.0	17.0	0.002	1.35	
4	20.0	16.5	0.010	1.50	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAOLE WC A/C CHEROKEE 8 AUGUST 1976
ARB FLT NO. 7 SOUNDING NO. 4DOWN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 1107 END 1123

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	21.0	11.0	0.003	0.30	SAN JUAQUIN VALLEY OBS. ST. STILL THROUGH BAY
8100	0.0	11.5	0.003	0.35	ENTRANCE. DARK HAZE TO N. GW. AND
7700	22.5	13.0	0.004	0.35	SW-6500 FT WITH CLEAR BAND ABOVE IT. CLEAR
7300	23.5	13.5	0.005	0.40	BAND-1000 FT THICK. DARK BAND ABOVE CLEAR ONE
6900	24.0	14.5	0.012	0.45	1500 FT THICK. NO SIMILAR BANDS VISIBLE
6500	25.0	15.5	0.008	0.45	IN EASTERN QUADS. ST. OVER SANTA CRUZ.
6100	26.5	16.0	0.001	0.45	ST.-3/4 MI SW OF WATSONVILLE AIRPORT.
5700	26.5	16.5	0.000	0.30	ST. OVER MONTEREY AND SCATTERED OVER SALINAS.
5300	27.5	17.0	0.001	0.45	
4900	28.0	17.0	0.001	0.40	
4500	29.0	18.5	0.000	0.35	
4100	29.5	19.5	0.000	0.60	
3700	30.0	19.5	0.002	0.50	
3300	30.5	20.0	0.008	0.60	
2900	31.5	20.5	0.002	0.50	
2500	32.0	20.0	0.002	0.40	
2100	30.5	19.0	0.001	0.30	
1700	25.5	16.0	0.001	0.50	
1300	23.5	17.0	0.001	1.50	
900	24.5	15.0	0.001	1.40	
500	25.5	19.5	0.001	1.30	
281	26.0	19.0	0.001	1.60	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE UC A/C CHEROKEE 8 AUGUST 1978

ARB FLT NO. 7 SOUNDING NO. SUP * LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 1133 END 1151

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.5	12.0	0.000	0.00	
8100	21.5	13.0	0.000	0.00	
7700	23.5	14.5	0.000	0.00	
7300	24.0	15.0	0.000	0.00	
6900	25.0	15.5	0.000	0.00	
6500	25.5	16.0	0.000	0.00	
6100	26.0	16.5	0.000	0.00	
5700	26.5	17.0	0.000	0.00	
5300	28.0	18.0	0.002	0.00	
4900	28.0	19.0	0.001	0.00	
4500	28.5	19.5	0.000	0.00	
4100	29.5	20.5	0.002	0.00	
3700	30.5	20.5	0.001	0.00	
3300	31.0	20.5	0.001	0.00	
2900	31.0	20.0	0.000	0.00	
2500	0.0	0.0	0.001	0.00	PEN PROBLEMS ON NEPHELOMETER RECORDER. HERE TO 8500
2100	28.0	16.0	0.002	0.30	
1700	25.5	16.0	0.002	0.30	
1300	23.5	17.0	0.010	0.60	
900	24.5	18.0	0.006	0.50	
500	25.5	19.5	0.004	0.60	
233	26.0	19.0	0.003	0.70	

GENERAL REMARKS

PEN PROBLEMS WITH THE NEPHELOMETER RECORDER.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 8 AUGUST 1976
ARB FLT NO. 7 SOUNDING NO. 6DOWN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1156 END 1217

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	11.5	0.001	0.20	MOSS LANDING-PG*E PLUME BULGING ST.
8100	21.0	12.0	0.003	0.20	SNS CLEAR
7700	21.5	12.5	0.003	0.20	MRY 500 FT SCATTERED 7 MI.
7300	23.0	13.0	0.013	0.20	
6900	24.0	15.0	0.001	0.23	SANTA CRUZ OVERCAST
6500	25.5	15.5	0.010	0.30	SNS 310/13 29.95 CLEAR 7 MI.
6100	26.5	16.5	0.001	0.23	ST. WEST EDGE OF SALINAS.
5700	27.0	15.5	0.000	0.20	MRY CLEAR, ST AT
5300	28.0	16.0	0.000	0.40	DEPARTURE END OF RNY 28.
4900	28.0	16.5	0.004	0.40	ST. NEAR SALINAS TOP-1300 FT BASE-1100 FT
4500	29.0	19.0	0.002	0.40	
4100	30.0	19.5	0.002	0.40	ST.-1 1/2 MI SOUTH OF WATSONVILLE AIRPORT.
3700	31.0	20.5	0.000	0.40	
3300	32.0	21.0	0.000	0.40	
2900	33.0	21.5	0.050	0.40	
2500	33.0	21.0	0.011	0.40	
2100	31.0	19.5	0.001	0.20	
1700	27.0	18.5	0.002	0.30	
1300	21.0	17.0	0.000	0.50	LIGHT BUMPS 1100-900 FEET
900	18.5	15.5	0.000	0.30	
500	17.0	15.0	0.000	0.40	
84	17.0	15.0	0.000	0.35	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 8 AUGUST 1978

ARB FLT NO. 6 SOUNDING NO. 10P * LOCATION R-HILLVIEW (RHV)

SOUNDING TIME(PDT) BEGIN 1710 END 1730

ALTITUDE FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	14.0	0.011	0.80	
8100	21.0	15.0	0.011	0.90	
7700	23.0	15.5	0.009	0.80	
7300	25.5	16.5	0.010	0.80	
6900	25.0	17.0	0.013	0.80	
6500	25.5	17.5	0.009	0.80	
6100	27.0	18.5	0.010	0.95	51 OVER HILLS WEST OF SFO
5700	27.5	18.5	0.004	0.90	
5300	28.5	18.5	0.011	0.90	
4900	29.0	18.0	0.000	0.90	
4500	29.5	18.5	0.000	1.00	
4100	28.5	19.0	0.005	1.50	
3700	29.5	18.5	0.000	1.00	
3300	30.5	19.0	0.000	1.00	
2900	31.0	19.0	0.000	1.10	
2500	31.0	19.5	0.000	1.20	
2100	31.0	20.5	0.000	1.30	
1700	30.5	20.5	0.006	1.20	
1300	29.0	20.0	0.000	1.80	
900	28.0	20.5	0.000	1.50	
500	29.0	21.0	0.000	1.50	
133	31.0	22.0	0.020	1.60	

GENERAL REMARKS

RHV 2245Z 300/5 29.85 RHV 0245Z 290/10 29.87

\# DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE *C A/C CHEROKEE 8 AUGUST 1978
ARB FLT NO. 8 SOUNDING NO. 200WN* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 1743 END 1805

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	21.0	15.0	0.014	0.90	ST. OVER SAN FRANCISCO FINGER OF ST. THROUGH
8100	21.5	15.0	0.009	1.00	GOLDENGATE BRIDGE CROSSES BAY AND UPSLOPES
7700	21.5	15.0	0.007	1.05	AT BERKELEY. SUTRO TOWER VISIBLE
7300	23.5	16.5	0.030	1.00	BASE OF SUTRO TOWER IN ST.
6900	24.0	17.0	0.015	1.00	HAZE WORSE IN SOUTHERN WARDS.
6500	25.5	18.5	0.013	1.00	
6100	26.5	19.0	0.011	1.05	
5700	27.0	19.5	0.014	1.00	LIGHT BUMPS 5500 FEET
5300	28.0	20.0	0.011	1.10	
4900	28.5	21.0	0.006	1.15	
4500	29.0	21.5	0.013	1.10	
4100	29.5	22.0	0.015	1.10	
3700	30.5	23.0	0.011	1.10	O3=0.175 AT 3500-3400FT
3300	31.0	23.0	0.011	1.15	
2900	32.0	24.0	0.002	1.20	
2500	32.0	24.5	0.009	1.40	
2100	30.5	23.5	0.032	1.80	
1700	28.5	22.0	0.007	1.40	
1300	26.5	21.5	0.003	1.40	
900	23.5	19.5	0.080	1.45	
500	20.0	17.0	0.013	1.30	
47	19.5	17.0	0.003	1.45	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

TABLE WC A/C CHEROKEE 8 AUGUST 1978
AND FLT NO. 8 SOUNDING NO. 300 * LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 1818 END 1837

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.5	15.0	0.000	0.80	
8100	21.5	16.0	0.024	0.80	
7700	23.0	17.0	0.000	0.80	
7300	23.5	18.0	0.039	1.00	
6900	25.0	18.5	0.000	1.00	
6500	25.5	19.0	0.000	0.90	
6100	27.0	20.0	0.003	1.00	
5700	27.0	21.0	0.011	1.00	
5300	27.5	21.5	0.000	1.10	
4900	28.0	21.5	0.022	1.00	
4500	29.0	21.5	0.000	1.00	
4100	29.5	23.0	0.040	1.00	
3700	30.5	23.0	0.000	0.90	
3300	31.0	23.0	0.035	1.00	
2900	31.0	23.0	0.002	1.10	
2500	31.0	22.5	0.003	1.10	MEPH = 1.60 AT 2300FT
2100	30.5	21.5	0.002	1.20	
1700	29.0	21.5	0.002	1.50	
1300	27.0	20.5	0.064	1.60	
1000	26.5	21.0	0.000	1.50	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE EC A/C CHEROKEE 8 AUGUST 1978
ARB FLT NO. 6 SOUNDING NO. 4DOWN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 1851 END 1912

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	21.0	15.0	0.014	0.80	9500FT=16DEGREE C 15.5DEGREE C 9100=19DEGREE C 14 DE
8100	22.0	15.0	0.009	0.80	ST. UP TO WEST END
7700	23.0	15.5	0.007	0.80	OF HILLS BETWEEN COAST AND SAN JOSE.
7300	23.5	17.0	0.025	1.10	SANTA CRUZ OVERCAST. WATSONVILLE ALSO.
6900	24.0	18.0	0.003	1.20	
6500	25.0	19.0	0.003	1.15	
6100	26.0	19.5	0.003	1.20	NEPH. 1.35 AT 5900 FEET
5700	27.0	20.5	0.053	1.20	MONTEREY PENINSULA SURROUNDED BY ST.
5300	27.5	21.0	0.002	1.10	
4900	29.0	22.0	0.002	1.20	
4500	29.5	22.0	0.157	1.00	
4100	30.0	23.0	0.002	1.00	
3700	30.0	23.0	0.002	1.10	O3 = 0.018 AT 3400FT.
3300	30.0	23.0	0.001	1.50	
2900	31.0	24.0	0.001	1.30	NEPH = 1.5 AT 2050 FEET
2500	30.5	24.0	0.001	1.20	
2100	28.5	23.0	0.001	1.50	
1700	28.0	23.0	0.085	1.50	
1300	28.0	23.0	0.001	1.20	
900	26.0	21.5	0.001	1.20	O3 = 0.072 AT 600FT
500	25.0	21.0	0.001	1.20	
281	25.0	20.0	0.001	1.25	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 8 AUGUST 1976

ARB FLT NO. 8 SOUNDING NO. SUP * LOCATION HOLLISTER (HOL)

SOUNDING TIME (PDT) BEGIN 1922 END 1942

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.5	19.0	0.007	0.80	
8100	21.5	15.5	0.007	0.90	
7700	22.5	16.5	0.008	1.00	
7300	23.5	17.5	0.008	1.00	O3 = 0.023 AT 7000FT.
6900	25.0	18.5	0.001	1.00	
6500	25.5	20.0	0.003	1.10	
6100	26.5	20.5	0.001	1.20	
5700	27.0	21.0	0.001	1.20	O3 = 0.026 AT 5500FT.
5300	27.5	21.5	0.002	1.20	
4900	28.0	21.5	0.000	1.20	
4500	29.0	22.0	0.002	1.05	
4100	30.0	22.5	0.010	1.10	
3700	30.0	23.0	0.001	1.20	
3300	30.5	23.5	0.001	1.35	
2900	31.0	23.0	0.020	1.50	
2500	29.0	21.5	0.001	1.20	
2100	28.5	21.0	0.001	1.50	
1700	27.0	18.0	0.007	1.40	NEPH 1.5 AT 1800 FEET
1300	23.5	17.0	0.001	1.20	
900	23.5	17.5	0.002	1.10	
500	22.0	17.0	0.002	1.20	
233	22.5	17.0	0.002	1.20	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 8 AUGUST 1978
ARB FLT NO. 8 SOUNDING NO. DOWN* LOCATION SALINES (SNS)
SOUNDING TIME(PDT) BEGIN 1950 END 2016

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	14.0	0.096	0.65	SNS CLEAR 10 MILES 29.09
8100	21.0	15.0	0.014	0.80	ST. TO FOOTHILLS NEAR PASS TO MOSS LANDING.
7700	22.5	15.5	0.004	0.85	SNS 310/12 29.91 1946 PDT
7300	23.0	15.0	0.003	0.90	
6900	24.0	17.0	0.014	1.00	ST.-2 MILES WEST OF SNS.
6500	24.5	18.5	0.018	1.15	ST. TOP-600 FT BASE-700 FT AIRCRAFT ESTIMATES
6100	25.0	19.0	0.006	1.10	SCATTERED ST OVER DEPARTURE END OF RWY 31.
5700	26.5	19.5	0.001	1.00	
5300	28.0	21.0	0.001	1.00	OVERCAST-3/4 MILES FROM DEPARTURE END OF RWY 31
4900	28.5	21.5	0.001	1.00	
4500	29.0	22.0	0.001	1.00	
4100	29.0	23.0	0.001	1.10	
3700	30.0	23.0	0.001	1.15	
3300	31.0	23.5	0.001	1.15	
2900	31.0	24.5	0.016	1.10	
2500	31.0	25.0	0.001	1.70	
2100	29.0	23.0	0.001	1.50	LIGHT BUMPS 2200-1900 FEET
1700	28.0	22.5	0.001	1.05	OUR ESTIMATE OF ST. TOPS-900 FT BASE-700 FT
1300	23.0	19.0	0.001	1.25	
900	15.0	14.0	0.001	1.20	
500	13.5	12.5	0.001	1.15	
84	14.5	13.0	0.001	1.00	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 9 AUGUST 1978

ARB FLT NO. 9 SOUNDING NO. 100WN* LOCATION SALINAS (SNS)

SOUNDING TIME(PDT) BEGIN 643 END 714

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	17.5	0.001	0.45	ST. RIGHT UP TO MTNS. INTO SALINAS VALLEY
8100	20.0	10.5	0.001	0.45	PG*E PLUME PUSHING OF ST.
7700	20.0	10.5	0.001	0.45	TROUGH IN ST. RUNS 3-4 MI EAST TO WEST.
7300	20.5	12.5	0.000	0.50	EAST END INTERSECTS PG*E PLUME.
6900	23.0	13.0	0.001	0.50	TOP ST OVER SNS-1300 FT BASE-300 FT AGL.
6500	24.0	14.0	0.001	0.55	ALL OF SALINAS VALLEY OVERCAST.
6100	25.0	15.0	0.001	0.60	ALTO ST. TO THE WEST.
5700	26.0	16.0	0.000	0.60	
5300	27.0	18.0	0.000	0.50	
4900	27.5	17.0	0.001	0.60	
4500	28.5	19.0	0.004	0.80	
4100	29.0	19.5	0.012	0.60	
3700	30.0	20.0	0.000	0.80	
3300	30.0	20.5	0.000	0.90	
2900	29.5	20.5	0.000	0.80	YELLOW EXHAUST FROM PG*E PLANT LYING
2500	29.5	20.5	0.000	0.80	RIGHT OVER TOP OF ST.
2100	28.0	20.5	0.000	0.90	NEPH = 1.0 AT 2000 FEET
1700	25.0	19.0	0.000	0.80	
1300	19.0	15.5	0.001	0.70	TOP OF ST.

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE KC A/C CHEROKEE 9 AUGUST 1978

ARB FLT NO. 9 SOUNDING NO. 2UP * LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 714 END 735

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-I)	REMARKS
8500	19.5	14.0	0.055	0.40	SAN JOSE OBS.
8100	21.0	15.5	0.005	0.40	
7700	22.0	16.5	0.007	0.45	
7300	23.0	17.0	0.001	0.55	
6900	24.0	18.0	0.001	0.70	SAN LUIS REY RES. VISIBLE.
6500	24.5	19.0	0.001	0.45	
6100	25.5	19.0	0.001	0.45	
5700	27.0	20.0	0.014	0.50	
5300	27.5	20.5	0.180	0.50	
4900	28.5	21.0	0.072	0.50	
4500	29.5	21.5	0.037	0.60	
4100	30.0	21.5	0.005	0.65	
3700	31.0	21.5	0.001	0.70	ST. THRU PASS CROSSES VALLEY, HITS THE HILLS
3300	31.0	21.0	0.005	0.80	AT EAST END AND TURNS NW.
2900	29.5	19.5	0.002	0.75	
2500	27.0	18.5	0.047	0.80	
2100	23.5	17.0	0.032	1.00	
1700	21.0	15.5	0.007	0.90	
1300	16.0	13.5	0.000	0.75	
900	13.5	12.5	0.031	0.80	
500	13.5	12.5	0.002	0.70	
233	13.5	12.5	0.008	0.80	

GENERAL REMARKS

SOME ST SPILLING INTO VALLEY THROUGH THE PASS. TOPS-1300 FT BASE-600 FT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 9 AUGUST 1978
ARB FLT NO.10 SOUNDING NO. 3UP * LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1355 END 1357

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.5	13.5	0.004	0.00	
8100	21.5	14.5	0.008	0.00	
7700	23.0	15.0	0.017	0.00	
7300	24.0	15.5	0.014	0.00	
6900	25.0	16.0	0.013	0.00	
6500	25.5	16.5	0.001	0.10	
6100	26.5	17.5	0.001	0.20	
5700	27.0	18.0	0.000	0.23	
5300	27.5	19.0	0.000	0.30	
4900	28.0	19.5	0.000	0.35	
4500	28.5	19.5	0.000	0.35	
4100	29.5	21.0	0.000	0.30	
3700	29.0	21.0	0.000	0.30	
3300	30.0	21.0	0.000	0.35	
2900	28.5	20.5	0.000	0.40	
2500	28.0	20.0	0.000	0.50	
2100	27.0	19.0	0.000	0.40	
1700	27.0	19.5	0.000	0.45	
1300	23.0	18.0	0.000	0.30	
900	24.0	19.0	0.000	0.20	
500	24.5	19.5	0.000	0.15	
235	25.0	19.5	0.000	0.15	WIND -230/10

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE KC A/C CHEROKEE 9 AUGUST 1978
ARB FLT NO.10 SOUNDING NO. 4DOWN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 1405 END 1425

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	21.0	13.0	0.014	0.00	
8100	21.5	13.5	0.004	0.00	
7700	22.5	14.5	0.003	0.00	
7300	24.0	15.5	0.001	0.00	
6900	24.5	16.0	0.005	0.00	O3 = 0.019 AT 6750FT.
6500	24.5	17.5	0.009	0.20	
6100	25.5	18.5	0.000	0.23	
5700	27.5	19.0	0.000	0.25	SLANT RANGE TO N.W. CAN SEE COYOTE AND
5300	27.5	20.0	0.000	0.20	NO FURTHER. SOUTH EAST SLANT RANGE
4900	28.5	20.5	0.000	0.23	TO NA HOLLISTER.
4500	29.0	21.5	0.000	0.25	
4100	30.0	22.5	0.000	0.30	
3700	31.0	23.0	0.000	0.40	
3300	31.0	23.5	0.000	0.50	
2900	28.5	22.5	0.000	0.50	NEPH=1.7 AT 2800 FT
2500	28.0	22.0	0.000	0.50	
2100	27.0	21.5	0.000	0.50	
1700	27.0	21.5	0.000	0.50	
1300	26.5	21.0	0.000	0.55	
900	27.5	22.0	0.000	0.60	
500	28.5	22.5	0.000	0.50	
281	29.0	23.0	0.000	0.55	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE RC A/C CHEROKEE 9 AUGUST 1978
ARB FLT NO.10 SOUNDING NO. SUP 4 LOCATION FREMONT (FRG)
SOUNDING TIME(PDT) BEGIN 1442 END 1500

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	14.0	0.001	0.00	
8100	21.0	15.0	0.003	0.00	
7700	22.0	15.5	0.003	0.00	
7300	23.0	16.5	0.003	0.00	
6900	24.0	17.0	0.004	0.00	
6500	25.0	17.5	0.000	0.00	
6100	26.0	18.5	0.000	0.00	
5700	27.0	19.5	0.002	0.00	SFO 360/20 29.96 CLEAR 15 MILES
5300	28.0	20.5	0.000	0.10	
4900	29.0	21.0	0.000	0.30	OAK 08 DEGREES F 290/17 29.90
4500	29.5	21.5	0.000	0.30	
4100	30.5	22.0	0.000	0.25	SI. THROUGH BAY ENTRANCE
3700	31.5	22.5	0.000	0.30	
3300	31.5	22.5	0.005	0.45	
2900	31.5	21.5	0.002	0.15	
2500	31.5	21.5	0.008	0.70	
2100	29.0	18.0	0.001	0.20	
1700	26.5	19.5	0.001	1.10	
1300	26.0	19.5	0.002	0.80	
900	26.0	20.0	0.000	0.85	
500	25.5	19.5	0.000	0.80	
4	25.5	20.0	0.000	1.60	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 9 AUGUST 1978

ARB FLT NO.10 SOUNDING NO. 6DOWN* LOCATION HAYWARD (HWD)

SOUNDING TIME(PLT) BEGIN 1509 END 1530

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.5	14.5	0.003	0.00	ST. CROSSING BAY. NOT QUITE TO BERKELEY.
8100	20.0	13.0	0.003	0.00	EXCEPT FOR A PATCH. SUTRO TOWER STICKING
7700	21.0	13.5	0.004	0.00	UP THROUGH ST.
7300	22.0	14.5	0.004	0.00	
6900	23.5	15.5	0.004	0.00	
6500	24.5	17.0	0.004	0.00	
6100	26.0	18.5	0.003	0.00	
5700	26.0	19.0	0.001	0.00	
5300	27.0	20.5	0.001	0.00	
4900	28.5	21.5	0.001	0.00	
4500	29.0	22.5	0.012	0.00	
4100	30.5	23.5	0.006	0.00	
3700	31.5	24.5	0.007	0.00	
3300	32.5	25.0	0.000	0.00	
2900	33.0	25.5	0.001	0.00	
2500	31.5	25.5	0.004	0.00	
2100	30.0	24.5	0.011	0.05	
1700	26.5	23.5	0.005	0.20	
1300	26.0	23.5	0.003	0.40	
900	23.0	20.0	0.002	0.60	
500	23.0	19.5	0.000	0.50	
47	23.5	19.0	0.000	0.80	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

BABLE WC A/C CHEROKEE 9 AUGUST 1978

ARB FLT NO.11 SOUNDING NO. 1UP * LOCATION R-HILLVIEW (RHV)

SOUNDING TIME(PDT) BEGIN 1730 END 1754

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.5	13.0	0.007	0.00	
8100	20.5	13.5	0.003	0.00	
7700	21.5	14.5	0.005	0.00	
7300	23.5	14.5	0.008	0.00	
6900	24.0	15.0	0.001	0.00	
6500	25.0	15.5	0.004	0.00	
6100	26.0	15.0	0.013	0.00	
5700	26.5	15.0	0.027	0.00	
5300	27.0	15.0	0.015	0.00	
4900	28.5	15.0	0.068	0.00	
4500	29.5	15.5	0.039	0.00	
4100	30.0	16.0	0.021	0.00	
3700	30.0	16.0	0.013	0.00	
3300	30.0	16.5	0.006	0.00	
2900	30.5	16.5	0.014	0.00	
2500	29.5	16.5	0.010	0.00	
2100	29.0	17.0	0.059	0.00	
1700	28.0	19.5	0.016	0.00	
1300	28.0	19.5	0.022	0.00	
900	25.5	19.0	0.002	0.00	
500	26.5	19.5	0.022	0.00	
133	28.5	21.0	[illegible]	0.00	

GENERAL REMARKS

RHV 2245Z 310/11 29.84 RHV 0245Z 290/8 29.86 POWER SUPPLY TO NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE #C A/C CHEROKEE 9 AUGUST 1973
ARB FLT NO.11 SOUNDING NO. 20DWN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1611 END 1631

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	22.0	15.0	0.005	0.00	SANTA CRUZ OVERCAST EXCEPT FOR HARBOR AREA. ST-
8100	21.5	15.0	0.003	0.00	1 MILE SOUTH OF WATSONVILLE AIRPORT
7700	21.5	15.0	[illegible]	0.00	WAVE-LIKE RIPPLES IN ST.
7300	23.0	15.5	0.013	0.00	(S.E. AS FAR AS WATSONVILLE, AS FAR N.W. AS
6900	23.5	17.0	[illegible]	0.00	SANTA CRUZ. LARGEST OVER THE WATER.)
6500	24.5	17.5	0.004	0.00	LARGE TROUGH IN ST. NEAR MOSS LANDING.
6100	25.0	19.5	0.004	0.00	EXTENDS-3 MILES TO W-SW.
5700	26.5	21.0	[illegible]	0.00	ST-2 MILES WEST OF SNS
5300	27.0	21.5	0.001	0.00	SNS 31/15 29.90
4900	28.0	22.5	0.017	0.00	O3 GREATER THAN 0.050 AT 4700FT.
4500	29.0	24.0	0.001	0.00	
4100	29.5	24.0	0.013	0.00	LIGHT TURBULENCE 3900 FT
3700	29.0	24.5	0.013	0.00	
3300	29.5	25.0	[illegible]	0.00	
2900	30.5	25.5	0.013	0.00	
2500	29.0	25.0	0.037	0.00	
2100	27.0	23.0	0.095	0.00	
1700	25.0	22.5	0.000	0.00	O3 = 0.007 1500 FT
1300	22.0	19.0	0.000	0.00	
900	18.5	17.5	0.000	0.00	
500	17.0	15.0	0.000	0.00	
84	18.0	16.0	0.000	0.00	ST TO WEST OF SNS TOP-1000FT BASE -600FT

GENERAL REMARKS

NEPHELOMETER(NEPH) OUT. YELLOW-BROWN HAZE LAYS ON TOP OF ST. FROM POWER PLANT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 9 AUGUST 1978

ABR FLT NO.11 SOUNDING NO. 3UP * LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 1645 END 1907

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10^{-4} M^{-1})	REMARKS
8500	26.5	14.0	0.003	0.00	
8100	21.0	15.0	0.029	0.00	
7700	21.5	15.0	0.213	0.00	
7300	22.5	17.0	0.003	0.00	CAN SEE SAN LUIS REY RESERVOIR.
6900	23.5	18.0	0.003	0.00	TO N.W.-SLANT RANGE VIS. TO SFC-5 MILES.
6500	25.0	18.5	0.005	0.00	O3 = 0.049 6250 FT O3 = 0.106 6300 FT
6100	25.5	19.5	0.043	0.00	
5700	27.0	21.0	0.001	0.00	
5300	27.5	21.5	0.010	0.00	
4900	28.5	22.5	0.014	0.00	
4500	29.5	23.0	0.079	0.00	
4100	31.0	23.5	0.184	0.00	
3700	31.5	23.0	0.080	0.00	
3300	30.5	20.5	0.069	0.00	
2900	27.0	19.0	0.062	0.00	O3 = 0.117 2700 FT O3 = 0.120 1850 FT
2500	26.5	19.0	0.066	0.00	
2100	24.5	15.0	0.011	0.00	
1700	24.0	17.5	0.011	0.00	O3 = 0.140 1500 FT
1300	24.0	17.5	0.021	0.00	
900	21.0	15.5	0.069	0.00	
500	22.5	17.0	0.018	0.00	
233	22.5	17.0	0.014	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE YG A/C CHEROKEE 9 AUGUST 1976
ARB FLT NO.11 SOUNDING NO. 400PM* LOCATION SC. COUNTY (SCO)
SOUNDING TIME(PLT) BEGIN 1916 END 1936

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	14.0	0.023	0.00	
8100	20.5	15.5	0.023	0.00	
7700	21.5	15.0	0.012	0.00	
7300	22.5	15.5	0.004	0.00	
6900	23.5	16.5	0.006	0.00	
6500	24.5	17.5	0.013	0.00	WAVES IN ST. NEAR SANTA CRUZ STILL VISIBLE.
6100	25.5	19.0	0.024	0.00	
5700	26.5	21.0	0.005	0.00	TO S.E. GILROY + HOLLISTER OBS. BY HAZE.
5300	27.5	21.5	0.012	0.00	TO NW, CAN SEE AS FAR AS COYOTE.
4900	28.5	22.5	0.011	0.00	
4500	29.0	23.5	0.025	0.00	
4100	30.5	24.0	0.003	0.00	
3700	31.0	25.0	0.005	0.00	
3300	30.5	25.0	0.000	0.00	
2900	30.5	25.5	0.003	0.00	
2500	28.5	24.5	0.010	0.00	
2100	26.0	23.5	0.010	0.00	
1700	26.0	23.0	0.004	0.00	
1300	25.0	22.0	0.006	0.00	
900	25.5	22.0	0.009	0.00	
500	25.5	21.5	0.009	0.00	
281	25.5	21.5	0.010	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 9 AUGUST 1978
ARB FLT NO.11 SOUNDING NO. SUP # LOCATION FREMONT (FRG)
SOUNDING TIME(PDT) BEGIN 1951 END 2012

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	19.0	14.5	0.001	0.00	
8100	20.0	15.5	0.001	0.00	
7700	21.0	16.0	0.001	0.00	
7300	23.0	17.0	0.003	0.00	
6900	23.5	18.0	0.003	0.00	
6500	24.5	19.0	0.001	0.00	
6100	25.5	19.5	0.000	0.00	
5700	26.5	20.5	0.005	0.00	TOP OF THICKEST SMOKE LAYER-5700 FT
5300	27.5	21.0	0.002	0.00	THINNER ABOVE.
4900	28.5	21.5	0.010	0.00	
4500	29.5	22.0	0.009	0.00	
4100	30.0	21.5	0.010	0.00	
3700	30.5	21.0	0.038	0.00	
3300	29.0	19.5	0.034	0.00	
2900	28.5	19.5	0.011	0.00	ST. OVER HILLS AT WEST BAY AREA.
2500	28.0	18.0	0.011	0.00	
2100	28.0	18.0	0.054	0.00	LIGHT BUMPS 2000 FT ALSO 2300-2500 FT.
1700	27.0	19.0	0.033	0.00	SMOKE (RUNS N-S) OVER BAY. BASE-2500 FT
1300	23.0	17.0	0.019	0.00	EASTERN EDGE OF SMOKE
900	22.5	15.5	0.020	0.00	WEST END OF BAY OR A LITTLE FURTHER.
500	20.0	18.5	0.027	0.00	
*	20.5	17.0	0.037	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 9 AUGUST 1978
ARB FLT NO.11 SOUNDING NO. 00CRN* LOCATION HAYWARD (HWL)
SOUNDING TIME(PDT) BEGIN 2020 END 2039

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	23.5	14.5	0.014	0.00	SUN SETTING BELOW ST OVER OCEAN.
8100	20.0	13.5	0.014	0.00	SMOKE OVER RED AND OAK.
7700	20.5	13.5	0.013	0.00	
7300	21.5	15.0	0.012	0.00	
6900	23.0	15.5	0.001	0.00	SMOKE AND HAZE SEVERELY RESTRICTING
6500	24.5	17.0	0.000	0.00	VISIBILITY. SLANT RANGE TO SFC = 4-5 MILES.
6100	25.0	17.5	0.011	0.00	
5700	26.0	19.0	0.000	0.00	STRONG SMELL OF SMOKE.
5300	27.0	20.0	0.006	0.00	STRONG EYE IRRITATION.
4900	28.0	21.0	0.007	0.00	4500 FT BASE OF SMOKE
4500	28.5	22.0	0.002	0.00	SFC OVERCAST BY ST.
4100	29.5	23.0	0.003	0.00	
3700	31.0	23.5	0.005	0.00	
3300	31.5	24.5	0.006	0.00	
2900	32.0	25.0	0.004	0.00	
2500	32.5	25.0	0.004	0.00	
2100	29.5	24.0	0.003	0.00	
1700	25.5	21.0	0.004	0.00	LIGHT BUMPS.
1300	25.0	21.0	0.001	0.00	
900	21.0	19.0	0.002	0.00	
500	17.0	15.5	0.002	0.00	
47	16.5	15.0	0.005	0.00	

+++GENERAL REMARKS+++

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE AC A/C CHEROKEE 10 AUGUST 1978

ARB FLT 06:12 SOUNDING NO. 1UP * LOCATION R-MILLVIEW (RNV)

SOUNDING TIME(PDT) BEGIN 014 END 040

ALTITUDE FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	[illegible]	0.0	0.008	0.00	NEPHELOMETER OUT.
8100	[illegible]	0.5	0.000	0.00	
7700	[illegible]	9.0	0.008	0.00	WHISPY CLOUDS AROUND MT. HAMILTON.
7300	[illegible]	9.5	0.000	0.00	
6900	[illegible]	10.5	0.000	0.00	
6500	[illegible]	12.0	0.000	0.00	
6100	[illegible]	12.0	0.011	0.00	BROWN SMOKE TOP-10,000 FT
5700	[illegible]	12.5	0.014	0.00	
5300	22.5	13.5	0.015	0.00	
4900	27.0	14.0	0.022	0.00	ST. NORTH SIDE OF BAY BRG.
4500	28.0	14.5	0.025	0.00	
4100	28.5	14.0	0.027	0.00	
3700	28.0	13.5	0.040	0.00	
3300	28.0	13.5	0.024	0.00	
2900	0.0	0.0	0.093	0.00	GILROY OVERCAST
2500	24.5	13.5	0.009	0.00	
2100	22.0	14.0	0.009	0.00	OAK 500 FT AGL 7 MILES
1700	0.0	0.0	0.009	0.00	SJC 800 FT OVERCAST 4 MILES. 460/5 29.91
1300	0.0	0.0	0.008	0.00	ST. OVER SAN JOSE.
900	14.5	13.5	0.008	0.00	
500	14.5	13.5	0.067	0.00	
133	14.5	13.5	0.111	0.00	

GENERAL REMARKS

RNV 1500Z PARTIALLY OBSCURED. 1000 FT BRN 3 MILES FOG, HAZE, SMOKE 29.92

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE RC A/C CHEROKEE 10 AUGUST 1978
ARB FLT NO.12 SOUNDING NO. 20CWN* LOCATION HAYWARD (HWD)
SOUNDING TIME(PLT) BEGIN 649 END 719

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	16.5	8.5	0.002	0.00	HWD 500 FT OVERCAST. 3 MILES HAZE 29.92
8100	18.5	9.0	0.003	0.00	
7700	19.5	9.5	0.003	0.00	
7300	20.5	10.5	0.003	0.00	
6900	21.5	11.0	0.003	0.00	TROUGH IN TOP OF ST. BUND - N-S OVER
6500	22.5	12.0	0.008	0.00	EAST EDGE OF BAY. (OVER OAK).
6100	23.5	12.5	0.008	0.00	
5700	24.5	13.0	0.007	0.00	
5300	25.5	13.5	0.007	0.00	WIND PRODUCED RIPPLES IN ST.
4900	26.5	14.0	0.007	0.00	LARGEST S.E. OF PASS NEAR SFO.
4500	27.5	13.5	0.007	0.00	
4100	28.0	14.0	0.007	0.00	
3700	28.0	14.5	0.005	0.00	
3300	29.0	15.0	0.005	0.00	
2900	29.0	15.0	0.004	0.00	
2500	29.0	15.5	0.060	0.00	SMELL OF SMOKE
2100	27.0	16.5	0.003	0.00	
1700	23.5	15.5	0.003	0.00	
1300	16.0	13.5	0.003	0.00	STRATOPS 1350FT-1500FT BASE 600FT
900	13.5	12.5	0.020	0.00	
500	0.0	0.0	0.003	0.00	
47	14.0	12.5	0.003	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE #C A/C CHEROKEE 16 AUGUST 1978
ARB FLT NO.16 SOUNDING NO. 30P * LOCATION FREMONT (FRG)
SOUNDING TIME(PDT) BEGIN 735 END 754

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	17.5	9.5	0.043	0.00	8400 FT 19 DEGREES C 10.5 DEGREES C
8000	19.5	11.0	0.000	0.00	
7600	21.0	11.0	0.054	0.00	
7200	22.0	11.0	0.001	0.00	
6800	23.0	12.0	[illegible]	0.00	
6400	24.0	13.0	[illegible]	0.00	
6000	24.5	13.5	0.000	0.00	O3 GREATER THAN 0.400 AT 5850FT.
5600	25.0	13.5	0.010	0.00	
5200	25.0	14.5	0.000	0.00	
4800	25.5	14.0	0.030	0.00	
4400	26.0	14.5	0.004	0.00	
4000	26.0	14.5	0.100	0.00	
3600	26.0	14.5	[illegible]	0.00	
3200	26.5	15.5	0.000	0.00	
2800	27.0	15.5	0.019	0.00	SMELL OF SMOKE. SMOKE TO WEST OF SAN FRANCISCO
2400	26.5	15.0	0.000	0.00	GOING N-S.
2000	27.0	15.5	0.000	0.00	BEGIN ASCENT AT 2000 FT DUE TO ST.

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MASLE PC A/C CHEROKEE 10 AUGUST 1978
AND FLT NO.1a SOUNDING NO. 400WN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 809 END 829

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	16.4	14.5	0.035	0.00	RAV NOW OVERCAST SJC 29.91
8100	18.5	14.5	0.014	0.00	S.E. SAN JOSE CLEAR SMOKE RUNNING N-S
7700	0.0	0.0	~~0.033~~	0.00	10000 FT OR MORE SLOPES UP AS IT GOES
7300	21.0	15.5	0.000	0.00	SOUTH OF SANTA CRUZ. SANTA CRUZ + HOLLISTER OVERCAST
6900	23.0	17.0	0.043	0.00	
6500	24.0	15.0	~~0.214~~	0.00	O3 = 0.133 AT 8300 FT O3 GREATER THAN 0.250 AT 7150
6100	25.0	14.5	~~0.245~~	0.00	
5700	26.0	19.5	0.015	0.00	
5300	27.0	21.0	0.095	0.00	
4900	28.0	23.0	~~0.227~~	0.00	
4500	29.0	23.0	0.012	0.00	
4100	30.0	24.5	0.009	0.00	
3700	30.0	24.5	0.010	0.00	
3300	29.0	24.0	0.039	0.00	
2900	29.0	24.0	0.011	0.00	
2500	27.0	23.0	0.013	0.00	
2100	26.0	22.5	0.012	0.00	
1700	21.0	20.0	0.137	0.00	
1300	19.5	18.0	0.012	0.00	TOP OF HAZE-1250 FT
900	16.5	15.5	0.119	0.00	SMELL OF GARLIC. (FROM GILROY)
500	15.5	14.5	0.005	0.00	
281	15.5	14.5	0.002	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 10 AUGUST 1976

ARB FLT NO.12 SOUNDING NO. SUP * LOCATION HOLLISTER (COL)

SOUNDING TIME(PDT) BEGIN 650 END 901

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	OS (PPM)	BSCAT (10^{-4} m^{-1})	REMARKS
8500	17.0	11.5	0.019	0.00	
8100	15.5	11.5	0.055	0.00	
7700	20.0	12.0	0.023	0.00	ALL OF SALINAS VALLEY OVERCAST. SANTA
7300	21.5	13.0	0.012	0.00	CRUZ & WATSONVILLE ALSO.
6900	22.5	13.5	0.003	0.00	O3 = 0.071 0750 PT
6500	23.5	13.5	0.019	0.00	
6100	25.0	14.5	0.000	0.00	
5700	25.5	15.0	0.062	0.00	
5300	26.5	15.0	0.090	0.00	
4900	27.0	15.0	0.054	0.00	
4500	28.0	15.5	0.025	0.00	
4100	28.5	15.5	0.029	0.00	
3700	29.5	16.0	0.040	0.00	
3300	30.0	16.5	0.029	0.00	
2900	29.0	16.0	0.047	0.00	
2500	26.5	15.5	0.065	0.00	
2100	23.5	16.5	0.037	0.00	
1700	22.0	16.5	0.031	0.00	
1300	19.0	15.5	0.024	0.00	
900	15.0	13.5	0.009	0.00	
500	15.5	13.5	0.010	0.00	WIND CALM
233	16.0	15.5	0.003	0.00	SCATTERED ST NEAR COL TOP ~900FT BASE ~700FT

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE PC A/C CHEROKEE 10 AUGUST 1978
ARO FLT NO.12 SOUNDING NO. 00WN* LOCATION SALINAS (SNS)
SOUNDING TIME(PLT) BEGIN 909 END 927

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.5	12.5	0.001	0.00	SNS 400 FT INDEFINITE 2 MILES 29.93 WIND CALM
8100	18.5	13.0	0.027	0.00	ST TOPS AT MONTEREY 1200 FT
7700	19.0	13.0	0.029	0.00	SMOKE TO NW-TOP E10,000 FT
7300	19.5	14.0	0.015	0.00	
6900	21.0	15.0	0.022	0.00	
6500	23.0	16.5	0.013	0.00	
6100	24.0	17.0	0.028	0.00	
5700	25.0	18.0	0.033	0.00	MOSS LANDING PG+E PLANT PLUME PUSHING UP ST.
5300	25.5	18.5	0.024	0.00	
4900	26.5	19.5	0.013	0.00	
4500	27.0	20.0	0.002	0.00	
4100	28.0	20.5	0.008	0.00	
3700	29.0	21.5	0.000	0.00	
3300	29.0	22.5	0.003	0.00	
2900	29.0	23.5	0.010	0.00	
2500	28.0	23.0	0.033	0.00	
2100	28.5	22.5	0.016	0.00	
1700	25.0	21.0	0.013	0.00	END DESCENT. DUE TO ST

+++GENERAL REMARKS+++

NEPHELOMETER OUT. ST. TOPS-1100FT BASE -400FT INDEFINITE

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE -C A/C CHEROKEE 10 AUGUST 1978
ARB FLT NO.13 SOUNDING NO. 1UP * LOCATION R-MILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 1200 END 1247

ALTITUDE FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	20.0	13.0	0.011	0.00	ST. APPEARS TO FILL SALINAS VALLEY, HOWEVER
8100	19.5	14.0	0.007	0.00	VISIBILITY IS SOMEWHAT OBSCURED.
7700	20.5	14.5	0.005	0.00	
7300	22.0	15.5	0.005	0.00	
6900	23.0	16.0	0.007	0.00	
6500	23.5	15.5	0.020	0.00	
6100	24.5	15.0	0.025	0.00	
5700	25.0	14.0	0.010	0.00	
5300	25.5	12.5	0.011	0.00	
4900	26.0	13.0	0.006	0.00	
4500	26.5	13.5	0.004	0.00	
4100	27.5	14.0	0.003	0.00	
3700	25.0	14.5	0.002	0.00	
3300	26.5	14.5	0.001	0.00	
2900	26.5	14.5	0.003	0.00	
2500	26.5	15.0	0.011	0.00	
2100	26.0	15.5	0.005	0.00	TOP OF HAZE-2000 FT
1700	24.0	16.5	0.000	0.00	
1300	21.0	17.0	0.001	0.00	
900	19.0	17.5	0.001	0.00	
500	21.5	19.5	0.001	0.00	
133	26.5	19.5	0.032	0.00	

GENERAL REMARKS

NEPHELOMETER OUT. RHV 1920Z 3HK RHV 2145Z SKY PARTIALLY OBS, 4 MK 300/10 29.87

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 10 AUGUST 1978
ARE FLT NO.13 SOUNDING NO. 200WN* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 1300 END 1319

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.5	14.5	0.012	0.00	HWD PARTIALLY OBS. 4 MILES. FOG, SMOKE, HAZE.
8100	19.0	15.0	0.012	0.00	280/8 29.92
7700	20.0	15.0	0.012	0.00	ST. OFF COAST, AND SCATTERED OVER BAY SOUTH OF HWD.
7300	21.0	15.0	0.012	0.00	PATCH OF ST. OVER BERKELEY.
6900	21.5	16.5	0.012	0.00	CROSSES OVER FROM BAY ENTRANCE.
6500	23.5	17.5	0.011	0.00	
6100	24.5	18.5	0.010	0.00	
5700	25.5	19.0	0.012	0.00	
5300	25.5	19.0	0.012	0.00	
4900	26.0	20.5	0.000	0.00	
4500	27.0	21.5	0.011	0.00	
4100	27.5	22.5	0.012	0.00	
3700	28.5	23.5	0.011	0.00	
3300	29.5	24.0	0.009	0.00	
2900	30.5	25.0	0.011	0.00	
2500	30.5	25.5	0.010	0.00	HAZE LAYER-2500 FT SMELL OF SMOKE BELOW 2400 FT
2100	28.0	24.5	0.010	0.00	
1700	25.5	22.5	0.011	0.00	
1300	21.0	20.5	0.010	0.00	
900	18.5	17.0	0.009	0.00	
500	19.0	17.0	0.010	0.00	SLIGHT BUMP 400 FT
47	19.0	17.0	0.010	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 10 AUGUST 1978
ARB FLT NO.15 SOUNDING NO. SUP * LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 1330 END 1351

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.0	15.0	0.008	0.00	9500FT 18.5 DEG C, 13 DEG C. 9000FT, 17.5 , 14.5 DE
8100	19.0	15.5	0.005	0.00	DEGREE C, SJC 29.87
7700	20.5	16.5	0.007	0.00	
7300	21.5	17.5	0.006	0.00	
6900	22.5	18.5	0.004	0.00	
6500	23.5	19.0	0.004	0.00	
6100	24.5	19.0	0.003	0.00	
5700	24.5	19.5	0.005	0.00	
5300	25.0	19.5	0.010	0.00	
4900	25.5	20.5	0.006	0.00	
4500	26.5	21.0	0.004	0.00	
4100	27.5	22.0	0.008	0.00	
3700	28.5	22.0	0.010	0.00	
3300	29.0	21.5	0.009	0.00	
2900	28.5	19.5	0.011	0.00	
2500	26.5	17.5	0.010	0.00	
2100	25.5	17.0	0.010	0.00	
1700	23.5	17.5	0.011	0.00	
1300	22.0	17.5	0.009	0.00	
900	23.0	18.5	0.011	0.00	
500	21.5	18.5	0.010	0.00	

GENERAL REMARKS

NEPHELOMETER OUT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

TABLE #C A/C CHEROKEE 10 AUGUST 1978
AFD FLT NO.13 SOUNDING NO. 400WN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 1409 END 1420

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	17.0	13.0	0.010	0.00	
8100	16.5	13.5	0.009	0.00	O3 = 0.010 AT 8000FT.
7700	20.0	15.0	0.009	0.00	ST. OVER SALINAS, WATSONVILLE COASTLINE.
7300	21.0	16.0	0.009	0.00	THIN + SCATTERED OVER SANTA CRUZ
6900	22.5	17.0	0.012	0.00	VISIBILITIES FROM-8500 FT
6500	23.5	17.5	0.009	0.00	S.E. 25 MILES N.W.-6 MI.
6100	24.5	19.0	0.009	0.00	EAST-20 WEST-20
5700	25.5	19.5	0.011	0.00	
5300	26.5	20.5	0.007	0.00	
4900	27.0	21.0	0.002	0.00	
4500	28.5	22.5	0.006	0.00	
4100	29.0	22.5	0.005	0.00	
3700	29.0	23.5	0.003	0.00	
3300	28.0	23.0	0.002	0.00	TOP OF SMOKE + HAZE-3000 FT
2900	27.5	23.0	0.001	0.00	
2500	26.0	22.5	0.002	0.00	
2100	25.0	22.0	0.001	0.00	
1700	25.0	21.5	0.004	0.00	LIGHT BUMPS 1800FT-1700FT AND 1300FT-800FT
1300	25.0	21.5	0.004	0.00	
900	25.5	22.0	0.000	0.00	
500	26.5	22.5	0.007	0.00	
281	26.5	22.5	0.009	0.00	

+++GENERAL REMARKS+++

NEPHELOMETER OUT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 10 AUGUST 1978
ARB FLT NO.13 SOUNDING NO. 5UP * LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1440 END 1500

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.5	10.0	0.004	0.00	WATSONVILLE CLEAR. SANTA CRUZ, SOME ST.
8100	19.0	10.0	0.004	0.00	PG&E PLUME PUSHING UP ST.
7700	21.0	10.0	0.004	0.00	
7300	21.5	17.0	0.007	0.00	
6900	23.0	18.0	0.004	0.00	
6500	24.0	19.0	0.009	0.00	
6100	25.0	19.5	0.008	0.00	
5700	26.0	20.5	0.010	0.00	
5300	26.5	21.0	0.012	0.00	
4900	27.5	21.5	0.004	0.00	
4500	28.5	21.5	0.000	0.00	
4100	29.0	21.0	0.006	0.00	
3700	28.0	20.0	0.009	0.00	
3300	26.5	17.0	0.008	0.00	
2900	26.0	17.5	0.012	0.00	
2500	23.0	17.0	0.012	0.00	
2100	23.0	17.0	0.011	0.00	
1700	22.5	17.0	0.011	0.00	WHISPY BROWN SMOKE TO EAST - 3500-4000 FT
1300	22.5	17.0	0.006	0.00	
900	20.5	17.0	0.005	0.00	
500	21.5	18.0	0.005	0.00	
233	22.0	17.5	0.006	0.00	

GENERAL REMARKS

NEPHELOMETER OUT. SFC WINDS AT HOL ESTIMATED FROM WIND SOCK -230/6 TO 250/0

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 10 AUGUST 1978
ARB FLT NO.13 SOUNDING NO. 6DOWN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1500 END 1520

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.0	13.5	0.000	0.00	SNS 310/13 29.93
8100	19.5	14.5	0.007	0.00	ST-1 MILE W-SW OF FOOTHILLS.
7700	20.0	15.0	0.004	0.00	ST TOPS-1200 FT BASE-800 FT
7300	21.0	16.0	0.004	0.00	MONTEREY OVERCAST SCATTERED ST. E,SE OF SNS.
6900	22.5	17.0	0.003	0.00	
6500	23.5	18.0	0.004	0.00	
6100	24.0	18.5	0.003	0.00	
5700	25.0	19.0	0.002	0.00	
5300	26.0	21.0	0.011	0.00	
4900	27.0	21.0	0.005	0.00	
4500	28.0	21.5	0.001	0.00	
4100	28.0	22.0	0.001	0.00	
3700	28.0	22.5	0.001	0.00	
3300	28.0	22.5	0.002	0.00	
2900	27.5	22.5	0.004	0.00	
2500	27.0	22.5	0.002	0.00	
2100	27.0	23.0	0.010	0.00	
1700	20.5	19.0	0.011	0.00	ST SCATTERED-BKN OVER SNS ST TOP-1450FT BASE 1100FT
1300	16.5	16.0	0.008	0.00	
900	15.5	15.0	0.008	0.00	SNS 300/15 29.91
500	15.5	14.5	0.005	0.00	
84	16.5	14.5	0.005	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MASLE NO A/C CHEROKEE 10 AUGUST 1978
ARB FLT NO.14 SOUNDING NO. 10P * LOCATION R-MILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 1709 END 1729

ALTITUDE T ABOVE MSL)	T (C)	DP (C)	O3 (PPM)	bSCAT (10-4 M-1)	REMARKS
8500	17.5	14.5	0.010	0.00	
8100	18.5	14.0	0.009	0.00	
7700	20.0	15.0	0.015	0.00	
7300	21.0	16.0	0.004	0.00	MONTEREY OBS.
6900	22.5	16.5	0.012	0.00	
6500	23.5	17.0	0.003	0.00	
6100	24.0	16.5	0.013	0.00	WHITE SMOKE + HAZE OVER BAY.
5700	25.0	15.5	0.010	0.00	
5300	24.5	13.5	0.001	0.00	
4900	25.0	13.0	0.011	0.00	TOP OF SMOKE TO N-5000 FT
4500	26.5	14.0	0.008	0.00	
4100	27.0	13.0	0.002	0.00	
3700	27.5	13.5	0.032	0.00	O3 = 0.079 AT 3500 FT
3300	27.0	15.0	0.055	0.00	
2900	25.5	17.0	0.037	0.00	
2500	25.0	17.5	0.022	0.00	
2100	24.0	18.0	0.011	0.00	
1700	23.0	17.0	0.007	0.00	
1300	23.0	17.0	0.013	0.00	
900	22.0	17.0	0.026	0.00	
500	24.0	16.0	0.049	0.00	
133	26.0	19.0	0.000	0.00	WIND AT 170 28G78 NEPH OUT

GENERAL REMARKS

NEPHELOMETER OUT. RHV 23452 310/12 29.84 RHV 02452 310/6 29.85

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 16 AUGUST 1978
ARB FLT NO.14 SOUNDING NO. 2DOWN* LOCATION HAYWARD (HRD)
SOUNDING TIME(PDT) BEGIN 1740 END 1803

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	C3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	17.0	13.0	0.055	0.00	HRD 290/15 29.87
8100	18.0	13.5	0.012	0.00	ST. OVER HILLS IN SAN FRANSISCO. SUTRO TOWER
7700	19.5	14.5	0.004	0.00	VISIBLE ABOVE ST. ST. SPILLING OVER TOWARDS SFO.
7300	20.5	15.5	0.050	0.00	ST. THROUGH BAY ENTRANCE TO BERKELEY.
6900	21.5	16.5	0.014	0.00	
6500	23.0	17.0	0.013	0.00	
6100	23.5	18.0	0.001	0.00	
5700	24.5	18.5	0.007	0.00	
5300	25.0	19.0	0.013	0.00	
4900	25.5	20.0	0.004	0.00	
4500	26.5	21.0	0.011	0.00	
4100	26.5	21.0	0.013	0.00	
3700	27.0	22.0	0.005	0.00	
3300	26.5	23.5	0.007	0.00	
2900	29.0	24.0	0.050	0.00	
2500	28.5	24.0	0.010	0.00	
2100	26.5	23.0	0.001	0.00	
1700	24.0	21.0	0.019	0.00	
1300	20.5	19.0	0.018	0.00	
900	17.5	16.5	0.010	0.00	
500	15.5	14.5	0.035	0.00	
47	16.5	15.0	0.027	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 11 AUGUST 1978
ARB FLT NO.15 SOUNDING NO. 10P * LOCATION R-MILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 000 END 020

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	15.5	12.0	0.001	0.00	BAY CLEAR OF ST. BUT HAZY.
8100	16.5	12.5	0.004	0.00	
7700	16.0	13.5	0.012	0.00	
7300	18.5	13.5	0.010	0.00	
6900	19.5	14.0	0.022	0.00	
6500	20.0	13.0	0.019	0.00	
6100	20.5	13.5	0.023	0.00	
5700	20.5	13.5	0.023	0.00	ST. SPILLING OVER HILLS NEAR SAN MATEO.
5300	20.5	11.0	0.023	0.00	SAN FRANCISCO OBS.
4900	21.0	11.0	0.029	0.00	
4500	21.0	11.0	0.035	0.00	
4100	23.0	11.0	0.043	0.00	
3700	23.5	10.5	0.047	0.00	
3300	24.0	11.0	0.000	0.00	
2900	25.0	11.0	0.000	0.00	ST OVER SANTA CRUZ, WATSONVILLE, SALINAS, HOLLISTER,
2500	23.0	11.0	0.055	0.00	COYOTE ALL OF SANTA CLARA VALLEY SE OF SAN JOSE
2100	22.5	11.0	0.045	0.00	TOP OF HAZE. O3 1600-1900FT = 0.222.
1700	0.0	0.0	0.000	0.00	
1300	16.0	13.0	0.000	0.00	
900	12.5	11.5	0.000	0.00	
500	12.0	11.0	0.000	0.00	
133	12.5	11.0	0.000	0.00	RHV 1307Z SJC 29.08

GENERAL REMARKS

NEPHELOMETER OUT. RHV 1355Z 1907Z 29.06 CLEAR 7 MI. RHV 1545Z 2007Z 29.90

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 11 AUGUST 1978
ARB FLT NO.15 SOUNDING NO. 20CRN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 648 END 700

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	15.5	11.0	0.001	0.00	9600FT 14.5DEGREE C 10DEGREE C 9000FT 16DEGREE C
8100	17.0	12.0	0.001	0.00	11.5DEGREE C. SALINAS VALLEY COMPLETELY OVERCAST.
7700	18.0	13.0	0.001	0.00	PG+E PLUME PUSHING UP ST.
7300	19.5	14.0	0.052	0.00	
6900	20.0	14.5	0.001	0.00	SNS 200 FT INDEFINITE SKY OBS. 1 MILE IN FOG 29.88
6500	21.0	15.5	0.001	0.00	
6100	21.5	15.5	0.001	0.00	MRY 200 FT INDEFINITE SKY OBS. 1 MILE IN FOG
5700	22.0	16.0	0.001	0.00	54DEGREE F 52DEGREE F
5300	22.0	15.5	0.005	0.00	
4900	22.0	15.5	0.102	0.00	
4500	22.5	16.0	0.001	0.00	
4100	23.5	16.5	0.001	0.00	O3 = 0.142 AT 3900 FT
3700	24.0	17.0	0.001	0.00	
3300	24.5	17.5	0.001	0.00	
2900	25.5	18.0	0.099	0.00	
2500	25.5	19.0	0.001	0.00	
2100	25.0	18.5	0.001	0.00	O3 = 0.153 AT 1650 FT
1700	23.0	18.0	0.001	0.00	TOPS OF ST 1400-1500 FT RAGGED.

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

TABLE #C A/C CHEROKEE 11 AUGUST 1978

ABL FLT NO.15 SOUNDING NO. 30P * LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 718 END 736

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	10.5	11.5	0.010	0.00	SIERRAS VISIBLE OVER THE HAZE TO NE.
8000	18.0	13.0	0.015	0.00	VISIBILITY TO N.E. 30-40 MILES TO E-50 MILES.
7600	19.0	13.5	0.005	0.00	
7200	20.0	14.0	0.001	0.00	
6800	21.0	15.0	0.150	0.00	
6400	22.0	15.5	0.028	0.00	
6000	22.0	14.5	0.002	0.00	
5600	21.5	14.5	0.033	0.00	
5200	22.0	14.5	0.002	0.00	
4800	22.5	15.0	0.001	0.00	
4400	23.5	15.5	0.182	0.00	
4000	24.0	15.5	0.001	0.00	
3600	25.0	15.0	0.003	0.00	
3200	25.0	15.0	0.001	0.00	
2800	25.0	15.0	0.001	0.00	SMELL OF SMOKE 2600 FT
2400	23.0	14.5	0.002	0.00	
2000	19.0	14.5	0.000	0.00	
1600	16.0	14.0	0.001	0.00	
1200	15.5	14.5	0.001	0.00	TOP OF ST-1200 FT

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 11 AUGUST 1978
AND FLT NO.15 SOUNDING NO. 4DOWN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(MDT) BEGIN 744 END 802

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	U3 (FPM)	BSCAT (10-4 M-1)	REMARKS
8500	17.0	12.5	0.018	0.00	
8100	17.0	12.5	0.015	0.00	
7700	18.0	13.0	0.015	0.00	U3 = 0.024 AT 7500 FT
7300	19.5	14.0	0.009	0.00	
6900	20.5	14.5	0.015	0.00	
6500	21.5	15.5	0.015	0.00	
6100	22.0	15.0	0.011	0.00	U3 GREATER THAN 0.250 AT 5900 FT.
5700	22.0	15.0	0.009	0.00	
5300	22.5	15.5	0.010	0.00	
4900	23.0	16.0	[illegible]	0.00	
4500	23.0	16.5	0.012	0.00	
4100	23.5	17.0	0.020	0.00	
3700	24.0	18.0	0.071	0.00	
3300	24.5	18.5	0.008	0.00	
2900	24.5	19.0	0.006	0.00	
2500	24.5	19.0	0.014	0.00	
2100	24.0	19.0	0.010	0.00	
1700	22.0	19.0	[illegible]	0.00	
1300	16.0	15.0	0.013	0.00	TOP OF ST. 1300 FT RAGGED

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE #0 A/C CHEROKEE 11 AUGUST 1976
ARB FLT NO.15 SOUNDING NO. SUP # LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 815 END 839

ALTITUDE (T ABOVE SL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	17.5	13.0	0.016	0.00	
8100	18.0	13.5	0.012	0.00	
7700	19.0	14.5	0.013	0.00	
7300	20.0	15.0	0.012	0.00	
6900	21.0	15.0	0.015	0.00	
6500	22.0	15.5	0.010	0.00	
6100	22.0	15.5	0.025	0.00	
5700	21.5	15.0	0.063	0.00	
5300	21.0	15.5	0.010	0.00	ST. THROUGH BAY ENTRANCE AND CROSSES OVER TO
4900	22.0	15.5	0.013	0.00	BERKELEY.
4500	23.0	16.5	0.002	0.00	
4100	23.5	17.0	0.013	0.00	
3700	24.5	17.5	0.024	0.00	
3300	25.0	17.5	0.007	0.00	TOP OF DARK HAZE-3000 FT
2900	25.5	17.0	0.011	0.00	
2500	25.0	16.0	0.054	0.00	
2100	23.0	15.5	0.001	0.00	
1700	20.0	15.0	0.012	0.00	
1300	15.5	13.5	0.010	0.00	VISIBILITY-3 MILES TO WEST
900	14.5	13.0	0.010	0.00	VISIBILITY-2 MILES HAZY TO EAST
500	15.0	14.0	0.012	0.00	

GENERAL REMARKS

NEPHELOMETER OUT. ST. TO COYOTE. SCATTERED TO END OF FOOTHILLS TO NW OF COYOTE.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 11 AUGUST 1978
ARB FLT NO.15 SOUNDING NO. 000WN* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 845 END 900

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	18.0	13.5	0.014	0.00	HWD 1400 Z WIND CALM 29.67
8100	17.0	13.0	0.014	0.00	
7700	17.5	15.0	0.063	0.00	
7300	18.5	13.0	0.012	0.00	
6900	19.0	13.0	0.012	0.00	
6500	18.5	13.5	0.015	0.00	
6100	19.0	14.5	0.013	0.00	
5700	71.0	15.0	0.000	0.00	
5300	21.0	15.5	0.006	0.00	
4900	21.0	16.0	0.007	0.00	SUTRO TOWER 1/3-1/6 IN SI.
4500	21.5	16.5	0.009	0.00	O3 = 0.036 AT 4350 FT
4100	22.5	17.0	0.017	0.00	
3700	23.0	17.0	0.010	0.00	
3300	23.0	18.0	0.009	0.00	
2900	23.5	18.5	0.008	0.00	
2500	24.0	19.5	0.047	0.00	SMELL OF SMOKE VISIBILITY-7 MILES
2100	24.0	19.5	0.010	0.00	
1700	19.5	17.5	0.011	0.00	
1300	15.5	15.0	0.036	0.00	
900	13.5	13.0	0.005	0.00	
500	14.0	13.0	0.036	0.00	
47	15.0	13.5	0.010	0.00	

GENERAL REMARKS

NEPHELOMETER OUT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 11 AUGUST 1978
ARB FLT NO.16 SOUNDING NO. 10P * LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1603 END 1620

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	16.5	12.0	0.001	0.30	
8100	17.0	12.0	0.001	0.30	
7700	18.0	12.0	0.001	0.30	
7300	19.0	13.0	0.001	0.30	
6900	20.0	13.5	0.000	0.30	
6500	21.5	14.5	0.000	0.30	
6100	22.5	15.0	0.000	0.30	
5700	23.0	15.5	0.002	0.30	
5300	23.5	15.5	0.004	0.30	
4900	23.0	15.5	0.000	0.40	ST. OVER SALINAS AND MONTEREY, SANTA CRUZ.
4500	23.0	14.5	0.000	0.30	
4100	23.5	13.0	0.000	0.25	
3700	23.0	13.0	0.002	0.30	
3300	23.0	14.5	0.002	0.40	
2900	23.5	14.5	0.006	0.30	
2500	21.0	14.0	0.008	0.70	
2100	20.5	15.0	0.010	0.70	
1700	20.0	15.0	0.009	0.80	
1300	17.0	14.5	0.009	0.80	
900	15.5	14.0	0.007	0.90	
500	16.5	14.5	0.010	0.80	
84	17.0	15.0	0.013	0.85	

GENERAL REMARKS

NEPHELOMETER REPAIRED. SNS 900FT SCATTERED. 300/16 29.92 15 MILES.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE #C A/C CHEROKEE 11 AUGUST 1978
ARD FLT NO.16 SOUNDING NO. 2DOWN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1626 END 1650

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	16.5	12.5	0.001	0.30	
8100	17.0	12.5	0.004	0.30	
7700	18.0	13.0	0.001	0.30	
7300	19.0	13.0	0.001	0.30	
6900	20.0	13.5	0.001	0.23	
6500	21.0	15.0	0.001	0.23	
6100	22.0	16.0	0.001	0.23	
5700	22.5	16.5	0.001	0.30	
5300	23.0	17.0	0.000	0.30	
4900	23.0	17.0	0.000	0.40	
4500	23.5	17.0	0.000	0.30	
4100	23.5	17.0	0.009	0.23	
3700	24.0	19.0	0.006	0.50	NEPH = 0.9 AT 3400 FT
3300	24.5	19.5	0.008	0.75	
2900	24.0	20.0	0.000	0.75	
2500	25.0	21.0	0.007	0.50	
2100	25.0	20.5	0.006	0.50	
1700	24.5	20.0	0.000	0.60	
1300	24.0	20.0	0.000	0.60	
900	22.5	19.0	0.004	0.70	
500	22.0	19.0	0.002	0.70	
233	23.0	19.0	0.004	0.70	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE PC A/C CHEROKEE 11 AUGUST 1978
ARB FLT NO.10 SOUNDING NO. SUP * LOCATION SO. COUNTY (SCO)
SOUNDING TIME(MDT) BEGIN 1659 END 1718

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	17.0	12.5	0.000	0.35	
8100	17.0	13.0	0.003	0.35	
7700	19.0	13.5	0.001	0.30	
7300	19.5	13.5	0.007	0.30	
6900	19.0	13.0	0.005	0.23	
6500	19.5	13.0	0.006	0.25	
6100	20.0	13.5	0.005	0.25	
5700	21.0	14.0	0.004	0.25	
5300	22.0	14.0	0.003	0.25	
4900	23.0	14.5	0.004	0.25	
4500	23.0	15.0	0.005	0.60	
4100	22.0	17.0	0.005	1.30	
3700	23.0	17.0	0.001	1.20	
3300	23.5	17.5	0.006	1.00	
2900	23.0	18.0	0.011	1.50	
2500	23.5	19.0	0.007	1.60	
2100	23.5	19.0	0.008	1.40	
1700	24.0	19.5	0.002	1.50	O3 = 0.000 AT 1550 FT
1300	24.0	19.5	0.002	0.70	
900	23.5	19.0	0.001	1.30	
500	24.0	20.0	0.002	1.50	
281	25.5	21.0	0.002	1.70	WIND GUESS =140/5

GENERAL REMARKS

WINDS ABOVE SFC. APPEARED TO BE FROM OPPOSITE DIRECTION.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE #C A/C CHEROKEE 11 AUGUST 1976
ARB FLT NO.16 SOUNDING NO. 4DOWN* LOCATION R-HILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 1726 END 1747

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	17.0	13.0	0.012	0.30	
8100	18.0	13.0	0.018	0.25	
7700	19.0	13.0	0.011	0.23	
7300	19.5	14.0	0.012	0.23	SMOKE FROM FIRE N OF
6900	20.0	14.5	0.043	0.23	SAN FRANCISCO GOING EAST.
6500	19.5	14.5	0.009	0.23	
6100	20.0	14.5	0.010	0.25	
5700	20.0	15.0	0.011	0.23	
5300	21.0	16.0	0.009	0.25	
4900	21.0	16.5	0.216	0.25	
4500	21.5	17.0	0.005	0.35	
4100	21.5	17.5	0.015	0.50	3900 FT NEPH = 1.3
3700	21.5	18.0	0.011	1.00	
3300	21.5	18.5	0.160	0.80	
2900	21.5	18.0	0.012	0.40	
2500	22.5	18.5	0.008	0.40	PALO ALTO REPORTS WIND CALM.
2100	22.5	19.0	0.009	0.40	
1700	23.0	19.0	0.011	0.60	
1300	23.0	18.5	0.012	0.60	
900	23.0	19.0	0.010	0.70	
500	23.0	19.5	0.044	0.60	
133	24.0	20.5	0.002	0.70	

GENERAL REMARKS

RHV 21472 290/15 29.88 RHV 23452 290/15 29.87

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 11 AUGUST 1976
ARB FLT NO.17 SOUNDING NO. 1UP * LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 2000 END 0024

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	G3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	16.5	11.0	0.014	0.30	
8100	17.0	12.0	0.014	0.35	
7700	19.0	13.0	0.013	0.30	
7300	19.5	13.0	0.020	0.25	
6900	20.5	13.0	0.020	0.23	
6500	21.5	13.0	0.013	0.25	
6100	22.0	13.0	0.013	0.25	
5700	22.0	12.5	0.015	0.25	
5300	22.0	12.0	0.015	0.25	ST. DIPS DOWN AS IT GOES INTO SALINAS VALLEY.
4900	22.5	11.0	0.000	0.25	TOPS OF ST. AWAY FROM SALINAS VALLEY HIGHER
4500	21.0	10.5	0.001	0.25	THAN OVER SNS ST. GOES UP WITH SLOPE
4100	22.0	12.0	0.001	0.25	OF SALINAS VALLEY. BKN-SCATTERED
3700	21.5	11.0	0.000	0.30	W-E OVERCAST ALONG WEST SIDE OF VALLEY
3300	21.0	13.5	0.000	0.30	
2900	22.0	13.0	0.001	0.30	
2500	22.0	13.0	0.001	0.35	
2100	21.0	11.0	0.001	0.40	
1700	19.0	14.0	0.000	0.55	
1300	17.5	14.0	0.000	0.70	

GENERAL REMARKS

SNS 29.90 ST TOPS 1100FT BASE 500FT ST SPILLING OVER HILLS SW OF GILROY

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE VC A/C CHEROKEE 11 AUGUST 1976
ARE FLT NO.17 SOUNDING NO. 200RN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PLT) BEGIN 2035 END 2055

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	ESCAT (10-4 M-1)	REMARKS
8500	17.0	11.5	0.014	0.40	SUNSET: SKY VERY RED.
8100	17.0	11.5	0.014	0.35	
7700	16.5	11.5	0.013	0.35	LIGHTS IN SAN JOSE VISIBLE.
7300	19.0	12.5	0.013	0.35	
6900	20.0	12.5	0.013	0.30	
6500	21.0	13.0	0.013	0.25	
6100	21.0	13.0	0.013	0.23	
5700	22.5	14.5	0.012	0.30	
5300	23.0	15.0	0.013	0.25	
4900	22.5	15.0	0.011	0.25	
4500	23.0	15.0	0.008	0.25	
4100	22.5	16.5	0.022	0.30	
3700	22.5	16.5	0.011	0.70	O3 = 0.025 AT 3500 FT
3300	21.0	17.5	0.007	0.55	
2900	20.5	17.0	0.003	1.00	
2500	20.0	17.0	0.003	0.75	
2100	19.0	16.0	0.003	0.80	
1700	20.0	17.0	0.001	0.75	
1300	18.5	15.0	0.001	0.80	
900	16.0	14.0	0.001	0.75	
500	15.5	13.5	0.001	0.80	
233	15.0	13.0	0.001	1.00	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

TABLE #C A/C CHEROKEE 11 AUGUST 1976

ARB FLT NO.17 SOUNDING NO. 30P * LOCATION SO. COUNTY (SCO)

SOUNDING TIME(PDT) BEGIN 2104 END 2134

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	16.0	11.5	0.007	0.45	
8100	17.0	13.0	0.024	0.45	
7700	19.0	13.0	0.025	0.40	LIGHTS OF MANY TOWNS IN SAN JOAQUIN VALLEY
7300	20.0	13.0	0.014	0.30	VISIBLE (STOCKTON, MODESTO)
6900	21.0	13.0	0.014	0.23	INTERSTATE 5 VISIBLE FOR MANY MILES
6500	21.0	12.5	0.016	0.25	SOUTH OF KINGMAN CITY EXIT
6100	20.0	12.0	0.008	0.25	O3 = 0.012 AT 6550 FT
5700	21.0	12.0	0.006	0.25	
5300	21.5	11.5	0.001	0.25	
4900	21.0	12.5	0.000	0.25	LIGHTS OF TRACY OR MODESTO VISIBLE.
4500	21.5	12.0	0.000	0.25	
4100	21.5	12.0	0.000	0.30	
3700	21.0	13.5	0.000	0.30	
3300	21.0	15.0	0.000	0.50	
2900	19.5	14.5	0.000	0.65	
2500	20.0	14.0	0.000	0.50	
2100	16.0	12.5	0.000	0.40	
1700	18.0	13.0	0.000	0.45	
1300	18.5	15.0	0.000	0.45	
900	18.0	15.0	0.000	0.60	
500	18.0	15.0	0.000	0.85	
281	19.0	15.0	0.000	0.75	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE PC A/C CHEROKEE 11 AUGUST 1978
ARC FLT NO.37 SOUNDING NO. 4004N* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 2140 END 2208

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	16.5	9.5	0.023	0.25	THIN SCATTERED ST. BELOW.
8100	16.5	9.0	0.023	0.25	
7700	16.0	10.0	0.029	0.25	O3 = 0.029 AT 7600FT.
7300	16.5	11.0	0.013	0.30	
6900	17.0	12.0	0.000	0.30	
6500	17.5	13.0	0.000	0.30	SUTRO TOWER VISIBLE
6100	18.5	13.5	0.006	0.30	
5700	19.0	13.5	0.006	0.30	
5300	20.5	13.0	0.006	0.35	
4900	20.5	13.0	0.006	0.35	
4500	21.0	14.0	0.011	0.40	
4100	21.5	14.5	0.006	0.50	
3700	21.5	15.0	0.009	0.45	
3300	21.5	15.5	0.006	0.40	
2900	21.0	15.0	0.013	0.45	
2500	21.0	15.5	0.002	0.45	
2100	20.0	15.5	0.009	0.45	
1700	17.5	14.5	0.002	0.45	
1300	14.0	13.5	0.002	0.45	
900	13.5	11.0	0.001	0.45	
500	13.5	12.5	0.000	0.45	ST. BASE-1100 FT
47	14.5	13.0	0.000	0.45	

+++GENERAL REMARKS+++

PILOT OBSERVED A FALLING METEROITE.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE #C A/C CHEROKEE 13 AUGUST 1978

ARB FLT NO.10 SOUNDING NO. 10P * LOCATION R-HILLVIEW (RHV)

SOUNDING TIME(PDT) BEGIN 737 END 754

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	ESCAT (10-4 M-1)	REMARKS
8500	9.0	1.0	0.026	0.25	9500FT 80DEGREE C 1DEGREE C 9000FT 80DEGREE C 1DEGREE
8100	9.0	1.0	0.015	0.25	O3=0.023 AT 9500FT O3=0.024 AT 8400FT
7700	11.0	1.0	0.020	0.25	
7300	11.0	1.5	0.009	0.30	O3 = 0.019 AT 7000 FT
6900	12.0	2.5	0.031	0.30	
6500	12.5	3.0	0.011	0.25	O3 = 0.014 AT 6300 FT
6100	13.0	3.0	0.005	0.30	O3=0.017 AT 5500 FT O3=0.021 AT 5100 FT
5700	13.0	3.0	0.005	0.30	
5300	14.0	3.0	0.019	0.30	
4900	13.5	3.0	0.016	0.30	
4500	13.0	3.5	0.009	0.30	
4100	11.5	6.5	0.002	0.35	
3700	11.0	7.0	0.000	0.35	
3300	9.5	7.0	0.000	0.50	
2900	9.0	8.5	0.000	0.40	
2500	10.0	9.0	0.000	0.40	O3 = 0.011 AT 2200 FT
2100	10.0	9.0	0.000	0.45	
1700	10.5	9.0	0.000	0.60	
1300	10.5	9.5	0.000	0.80	
900	11.0	10.0	0.000	0.70	
500	11.0	10.0	0.026	0.70	
133	11.0	10.0	0.000	1.00	RHV 30.05

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE VC A/C CHEROKEE 13 AUGUST 1976
ARB FLT NO.16 SOUNDING NO. 2DOWN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 605 END 626

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	9.0	0.5	0.012	0.20	O3= 0.110 8800 FT
8100	9.0	1.0	0.010	0.30	
7700	10.0	1.0	0.029	0.25	O3 GREATER THAN 0.050 AT 7600FT. O3 = 0.027 AT 7000
7300	11.0	1.5	0.010	0.20	O3 = 0.016 AT 5900 FT
6900	11.5	2.5	0.019	0.25	
6500	13.0	3.0	0.011	0.25	
6100	13.0	3.0	0.014	0.25	
5700	13.5	3.5	0.007	0.23	
5300	14.5	4.5	0.012	0.25	
4900	15.0	5.0	0.014	0.30	
4500	14.5	5.0	0.006	0.00	NEPHELOMETER SKIPPED AT THIS ALTITUDE.
4100	14.0	5.5	0.023	0.25	
3700	13.0	6.0	0.011	0.25	
3300	11.0	7.0	0.000	0.30	
2900	10.5	8.0	0.000	0.30	
2500	11.0	9.0	0.000	0.30	
2100	11.5	9.0	0.000	0.40	
1700	12.0	10.0	0.000	0.40	
1300	12.5	11.0	0.000	0.55	
900	13.0	11.0	0.000	0.60	
500	13.0	11.5	0.000	1.00	
281	13.5	12.0	0.000	1.10	WIND GUESS 0-3 KTS

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 13 AUGUST 1978

ARB FLT NO.16 SOUNDING NO. SUP * LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 832 END 847

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	9.0	2.0	0.015	0.25	
8100	10.0	2.5	0.014	0.30	
7700	11.0	3.0	0.009	0.25	
7300	11.0	3.0	0.010	0.30	
6900	12.0	3.0	0.017	0.25	
6500	13.0	3.5	0.010	0.25	
6100	13.0	4.5	0.018	0.30	
5700	13.5	5.0	0.010	0.30	
5300	14.5	5.0	0.001	0.30	
4900	14.5	5.0	0.006	0.25	
4500	15.0	5.5	0.002	0.30	
4100	15.0	6.0	0.000	0.30	
3700	13.0	7.0	0.009	0.35	
3300	11.0	8.0	0.000	0.30	
2900	11.0	9.0	0.000	0.30	
2500	11.0	9.0	0.000	0.40	CLOUD TOPS (ST CU) 2400 FT RAGGED

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 13 AUGUST 1978
ARB FLT NO.16 SOUNDING NO. 4DOWN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 850 END 912

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	9.0	1.5	0.003	0.30	SNS SKY INDEFINITE 800 FT OVN 7 MILES 30.07
8100	10.0	3.0	0.001	0.30	O3 = 0.015 AT 7900 FT
7700	11.5	3.0	0.015	0.25	
7300	11.5	4.0	0.014	0.25	
6900	12.5	5.0	0.010	0.25	
6500	13.0	5.0	0.014	0.30	
6100	13.5	5.5	0.020	0.25	
5700	14.5	7.0	0.010	0.30	
5300	15.0	7.0	0.004	0.25	
4900	15.0	7.5	0.014	0.30	
4500	14.0	7.0	0.012	0.30	
4100	14.0	7.5	0.009	0.30	
3700	14.5	8.5	0.003	0.30	
3300	13.0	9.0	0.000	0.25	
2900	13.0	9.0	0.000	0.30	
2500	13.0	9.0	0.000	0.30	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 13 AUGUST 1978

AMB FLT NO.19 SOUNDING NO. IUP * LOCATION R-BILLVIEW (RBV)

SOUNDING TIME(PLT) BEGIN 1205 END 1231

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	9.0	0.5	0.015	0.25	
8100	10.0	1.0	0.015	0.25	
7700	10.5	1.5	0.013	0.30	
7300	11.0	2.5	0.013	0.30	
6900	12.5	3.0	0.008	0.30	
6500	13.0	3.0	0.017	0.30	
6100	13.5	3.5	0.015	0.30	
5700	15.0	4.5	0.011	0.30	
5300	15.0	4.5	0.011	0.30	
4900	14.5	4.0	0.011	0.30	
4500	14.5	5.0	0.007	0.30	
4100	14.5	7.5	0.005	0.30	
3700	15.0	7.5	0.000	0.35	
3300	15.0	9.0	0.001	0.30	
2900	15.0	9.0	0.000	0.40	
2500	15.5	10.5	0.000	0.40	
2100	16.5	11.0	0.000	0.45	
1700	17.0	12.0	0.000	0.40	
1300	18.5	13.0	0.000	0.50	
900	19.0	13.0	0.000	0.50	
500	21.0	15.0	0.000	0.50	
133	23.0	15.0	0.000	1.00	RHV 340/5 30.04

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 13 AUGUST 1978
ARB FLT NO.19 SOUNDING NO. 200-N* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 1243 END 1303

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	10.0	1.0	0.041	0.23	HWD 210/5 30.06
8100	11.0	1.5	0.018	0.23	
7700	11.0	2.0	0.020	0.25	
7300	12.5	3.0	0.000	0.25	
6900	13.0	3.5	0.013	0.25	
6500	13.0	4.5	0.013	0.25	
6100	13.0	5.0	0.011	0.25	
5700	14.0	4.5	0.014	0.25	
5300	14.0	5.0	0.012	0.25	
4900	14.0	5.5	0.011	0.30	
4500	15.0	6.0	0.006	0.30	
4100	16.0	7.0	0.002	0.25	
3700	15.5	7.8	0.011	0.30	
3300	15.0	10.0	0.000	0.45	
2900	15.0	10.0	0.000	0.45	
2500	15.0	11.0	0.000	0.55	
2100	15.0	11.0	0.000	0.60	
1700	15.0	11.0	0.000	0.80	
1300	15.5	11.0	0.000	0.80	
900	16.5	12.0	0.000	0.70	
500	17.0	13.0	0.000	0.70	
47	19.0	14.5	0.000	0.85	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE AC A/C CHEROKEE 13 AUGUST 1978

ARB FLT NO.19 SOUNDING NO. SOP * LOCATION HOLLISTER (HOL)

SOUNDING TIME(MDT) BEGIN 1414 END 1432

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	10.5	1.0	0.010	0.23	
8100	10.0	1.5	0.000	0.23	
7700	11.0	1.5	0.013	0.23	
7300	12.0	2.5	0.009	0.25	
6900	12.5	3.0	0.010	0.30	
6500	13.0	4.0	0.005	0.25	
6100	14.0	4.5	0.010	0.25	
5700	14.5	5.0	0.010	0.30	
5300	14.5	5.0	0.007	0.25	
4900	15.0	5.0	0.007	0.25	
4500	15.0	5.5	0.006	0.25	
4100	15.5	6.5	0.000	0.30	
3700	15.0	9.0	0.000	0.30	
3300	15.5	11.0	0.000	0.30	
2900	16.0	11.0	0.000	0.35	
2500	17.0	11.0	0.000	0.40	
2100	16.0	11.0	0.000	0.40	
1700	17.0	13.0	0.000	0.40	
1300	17.5	13.0	0.000	0.50	
900	19.0	13.0	0.000	0.45	
500	19.0	14.0	0.000	0.40	
233	21.0	15.0	0.000	0.50	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE #C A/C CHEROKEE 13 AUGUST 1976
ARB FLT NO.19 SOUNDING NO. GDOWN* LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1439 END 1456

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	10.5	1.5	0.019	0.23	
8100	11.0	1.5	0.018	0.23	
7700	11.0	1.5	0.019	0.23	
7300	11.5	2.0	0.020	0.25	
6900	12.5	2.5	0.019	0.25	
6500	13.0	3.0	0.017	0.23	
6100	13.5	3.5	0.015	0.25	
5700	13.5	4.0	0.015	0.25	ST. OVER SALINAS
5300	15.0	5.0	0.015	0.23	
4900	15.0	5.0	0.012	0.25	
4500	15.0	5.5	0.012	0.25	
4100	15.5	5.5	0.012	0.30	
3700	16.0	6.5	0.013	0.25	
3300	16.0	7.0	0.014	0.30	
2900	16.0	7.5	0.008	0.30	
2500	15.5	8.5	0.001	0.35	
2100	14.5	10.5	0.000	0.40	
1700	13.5	11.0	0.000	0.40	
1300	14.0	11.0	0.000	0.50	
900	15.0	11.5	0.000	0.50	
500	16.0	13.0	0.000	0.50	
84	17.0	13.0	0.000	0.55	310/4 30.05

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

TABLE KC A/C CHEROKEE 14 AUGUST 1978
ARB FLT NO.20 SOUNDING NO. 100IN* LOCATION SALINAS (SNS)
SOUNDING TIME(FLT) BEGIN 637 END 650

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	12.0	2.0	0.005	0.35	SNS 200 FT INDEFINITE 1/2 MILE FOG. 29.99
8100	12.0	2.0	0.005	0.35	SALINAS VALLEY FILLED WITH ST.
7700	12.5	2.5	0.005	0.35	
7300	12.5	3.0	0.005	0.35	
6900	13.0	3.0	0.005	0.35	
6500	14.0	3.5	0.005	0.35	
6100	15.0	4.5	0.005	0.35	
5700	15.5	5.0	0.005	0.35	
5300	16.0	5.5	0.005	0.35	
4900	17.0	6.0	0.005	0.35	O3 = 0.143 AT 4500 FT
4500	17.0	7.0	0.004	0.35	
4100	18.0	7.5	0.003	0.35	
3700	18.5	8.0	0.005	0.35	O3 = 0.047 AT 3400 FT
3300	18.5	9.5	0.001	0.40	
2900	18.5	10.5	0.000	0.50	
2500	19.5	11.0	0.000	0.55	
2100	19.5	11.0	0.000	0.70	
1700	18.5	12.5	0.000	0.50	
1300	17.0	12.5	0.000	0.70	ST. TOP-1300 FT RAGGED

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAULE NC A/C CHEROKEE 14 AUGUST 1978

ARB FLT NO.20 SOUNDING NO. 20P * LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 709 END 733

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	12.0	2.5	0.227	0.35	O3 GOES FROM 0.165-0.191 AT 8500 FT
8100	12.5	2.5	0.007	0.35	
7700	13.0	3.5	0.007	0.35	
7300	13.5	4.5	0.014	0.35	
6900	14.5	4.5	0.020	0.35	SOME OF SAN JAOQUIN VALLEY VISIBLE.
6500	15.0	5.0	0.003	0.35	O3 = 0.023 AT 6400 FT
6100	16.0	5.0	0.014	0.35	
5700	17.0	5.0	0.009	0.35	
5300	17.0	6.0	0.010	0.40	O3 = 0.036 AT 5200 FT
4900	17.0	5.5	0.007	0.45	COYOTE IS AS FAR AS CAN SEE THE GROUND TO N.W.
4500	17.0	5.5	0.021	0.50	SAN JAOQUIN VALLEY OBS. 4400 FT
4100	17.0	7.5	0.012	0.70	
3700	17.0	9.0	0.002	0.60	O3 GREATER THAN 0.250 AT 3600FT. =0.079 3550FT ON R
3300	17.0	10.5	0.002	0.50	RE-CHECK.
2900	18.0	11.5	0.002	0.55	
2500	18.5	11.0	0.010	0.60	
2100	19.0	11.0	0.235	0.55	
1700	17.0	11.5	0.000	0.60	
1300	15.0	11.0	0.000	0.50	
900	13.0	10.5	0.000	0.60	
500	11.0	9.0	0.000	0.70	
233	11.0	9.0	0.000	0.90	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

HADLE WC A/C CHEROKEE 14 AUGUST 1978
AFE FLT NO.26 SOUNDING NO. 5006N* LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 850 END 901

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (x10-4 M-1)	REMARKS
5000	17.0	10.0	0.002	0.45	O3=0.048 AT 4800 FT
4600	17.0	10.5	0.000	0.50	
4200	18.0	11.0	0.013	0.55	
3800	18.5	12.5	0.022	0.60	
3400	19.0	13.5	0.000	0.65	
3000	18.5	14.0	0.000	0.70	SJC 15452Z 26074 30.00 67 DEGREES F
2600	18.5	13.5	0.000	0.70	
2200	19.0	14.0	0.000	0.65	
1800	19.0	14.0	0.000	0.65	
1400	19.0	14.0	0.000	0.65	O3=0.030 AT 1150 FT
1000	17.0	13.5	0.000	0.90	
600	16.0	13.5	0.000	1.20	
4	16.5	13.5	0.000	1.35	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

TABLE 8C A/C CHEROKEE 14 AUGUST 1978

ARL FLT NO.21 SOUNDING NO. 1 * LOCATION RMV-SNS

SOUNDING TIME(PDT) BEGIN 0 END 0

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
5500	15.5	0.0	0.000	0.25	THIS IS A NON-VERTICAL SOUNDING RMV-SNS 10 MINU
4700	16.5	11.0	0.000	0.45	
3500	16.5	11.0	0.018	0.45	
2500	20.5	12.5	0.008	0.40	
1500	21.5	14.0	0.007	0.60	
1000	23.0	15.0	0.005	0.65	
500	24.0	16.0	0.065	0.65	
133	25.5	18.5	0.030	0.75	

GENERAL REMARKS

RMV 17452 270/4 30.01 BURNED OUT ALTERNATOR. CANCEL FLIGHT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 14 AUGUST 1978
ARB FLT NO.22 SOUNDING NO. TOP * LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1556 END 1617

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	12.0	8.0	0.016	0.20	TOP OF HAZE-10000 FT HIGHEST TO NORTH (EAST OF
8100	13.0	8.0	0.015	0.20	MORGAN HILL)
7700	14.0	8.5	0.025	0.20	
7300	14.0	9.0	0.010	0.20	
6900	15.0	10.0	0.009	0.20	
6500	15.5	10.5	0.011	0.30	
6100	16.5	11.0	0.011	0.40	
5700	17.0	11.5	0.028	0.50	
5300	18.0	14.0	0.000	0.40	
4900	19.0	13.0	0.000	0.20	
4500	19.5	14.5	0.011	0.20	
4100	20.5	15.5	0.000	0.35	DARK HAZE ABOVE.
3700	21.0	15.0	0.021	0.50	O3=0.028 AT 3575 FT
3300	21.5	14.5	0.000	0.50	
2900	21.5	14.5	0.000	0.60	
2500	21.5	14.5	0.000	0.80	
2100	22.0	15.0	0.000	0.90	
1700	22.5	15.0	0.000	0.85	SANTA CRUZ OVERCAST. WATSONVILLE AIRPORT CLEAR.
1300	20.0	14.0	0.000	0.85	
900	16.0	14.0	0.000	0.85	
500	16.5	14.5	0.000	0.90	
84	17.5	15.0	0.000	1.00	MONTEREY CLEAR

GENERAL REMARKS

RHV 2145Z 290/8 29.94 SNS 310/16 29.96 CLEAR 30 MILES

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAOLE #C A/C CHEROKEE 14 AUGUST 1976
ARB FLT NO.22 SOUNDING NO. 2DOWN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1020 END 1050

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	12.5	7.5	0.010	0.20	COYOTE VERY HAZY. SAN JOSE OBSCURED.
8100	13.0	7.5	0.020	0.15	SIERRAS VISIBLE ABOVE HAZE.
7700	14.0	8.0	0.015	0.15	HAZE THICKEST TO EAST.
7300	15.0	8.5	0.020	0.15	
6900	15.5	9.0	0.035	0.15	O3=0.031 AT 6750 FT
6500	15.5	9.5	0.023	0.15	
6100	16.0	10.5	0.023	0.15	
5700	17.0	11.5	0.011	0.15	
5300	17.5	12.0	0.013	0.20	COYOTE BECOMING OBSCURED.
4900	19.0	12.5	0.005	0.25	
4500	20.0	13.0	0.004	0.30	
4100	21.0	14.0	0.000	0.40	
3700	22.0	14.5	0.002	0.45	
3300	23.0	15.0	0.021	0.50	
2900	24.0	15.5	0.029	0.45	
2500	24.5	16.0	0.000	0.45	O3=0.051 AT 2200 FT
2100	25.5	16.0	0.009	0.45	
1700	26.5	16.0	0.009	0.40	O3=0.020 AT 1500 FT
1300	27.0	17.0	0.007	0.35	
900	27.0	17.0	0.004	0.35	
500	23.5	17.0	0.011	0.60	
233	23.5	17.5	0.003	0.80	WIND -220/12

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE AC A/C CHEROKEE 14 AUGUST 1978
ARB FLT NO.22 SOUNDING NO. 30P * LOCATION SO. COUNTY (SLO)
SOUNDING TIME(MDT) BEGIN 1700 END 1720

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	13.5	5.0	0.005	0.23	
8100	13.5	5.0	0.003	0.23	
7700	14.5	5.5	0.003	0.23	
7300	15.0	7.0	0.003	0.30	
6900	15.5	9.0	0.000	0.40	
6500	16.0	10.5	0.003	0.50	
6100	16.0	11.0	0.003	0.60	SOUTH OF BAY VERY HAZY.
5700	17.0	11.5	0.002	0.70	
5300	18.0	12.5	0.002	0.90	
4900	19.0	14.5	0.002	0.85	
4500	20.0	14.0	0.004	0.85	
4100	21.0	15.0	0.002	0.90	
3700	22.5	15.5	0.002	1.00	
3300	23.5	16.5	0.002	0.90	
2900	24.5	17.0	0.002	0.85	
2500	25.5	17.5	0.002	0.75	
2100	26.0	18.0	0.002	0.75	
1700	27.0	19.0	0.002	0.70	
1300	27.0	19.0	0.002	0.65	
900	27.0	19.5	0.002	0.65	
500	28.5	20.5	0.002	0.75	
281	28.5	20.5	0.002	0.90	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 14 AUGUST 1978
ARD FLT NO.22 SOUNDING NO. 4DOWN* LOCATION R-HILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 1731 END 1755

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	15.5	5.0	0.015	0.23	9500FT 12.0,4.0 DEG C. 2000FT 13.5 , 5.0 DEG C.
8100	14.0	5.5	0.015	0.23	ST THROUGH BAY ENTRANCE
7700	14.5	7.0	0.020	0.23	RHV-01302 310/15 29.92
7300	14.0	8.5	0.019	0.25	O3=0.022 AT 7500 FT
6900	14.5	9.0	0.015	0.23	
6500	15.0	9.0	0.018	0.30	
6100	15.5	9.5	0.013	0.40	
5700	16.5	10.5	0.015	0.50	
5300	17.0	11.0	0.018	0.50	
4900	18.5	11.5	0.014	0.55	
4500	19.0	12.0	0.017	0.55	
4100	20.5	13.0	0.014	0.60	
3700	21.5	13.5	0.008	0.55	
3300	22.5	14.0	0.012	0.50	
2900	24.0	15.0	0.010	0.45	
2500	25.0	15.5	0.010	0.45	
2100	25.5	15.0	0.024	0.30	
1700	25.5	16.5	0.100	0.45	
1300	26.5	16.5	0.013	0.50	
900	26.0	17.0	0.019	0.70	O3=0.039 AT 750 FT
500	27.0	18.0	0.017	0.80	
133	27.5	19.0	0.006	1.10	

GENERAL REMARKS

RHV 21452 290/8 29.94 RHV 01302 310/15 29.92 SJC 01452 300/20 29.91 87 DEG F.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MASLE WC A/C CHEROKEE 15 AUGUST 1978
ARB FLT NO.23 SOUNDING NO. 1DOWN* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 637 END 700

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	OS (FPM)	BSCAT (10-4 M-1)	REMARKS
8500	13.0	2.0	0.004	0.30	ST THROUGH GOLDEN GATE BRIDGE AND TO BERKELEY.
8100	13.0	2.5	0.004	0.30	
7700	14.0	3.0	0.004	0.30	
7300	15.0	3.5	0.004	0.30	
6900	15.0	3.5	0.005	0.50	
6500	15.5	5.0	0.004	0.65	
6100	16.0	5.0	0.004	0.80	SUTRO TOWER VISIBLE THROUGH ST.
5700	16.0	6.5	0.004	0.60	
5300	17.0	7.5	0.004	0.40	
4900	17.5	8.0	0.002	0.70	
4500	18.5	9.0	0.001	0.90	
4100	18.5	9.0	0.001	0.70	
3700	19.5	10.0	0.001	0.60	
3300	20.5	11.0	0.001	0.50	
2900	22.5	12.0	0.001	0.55	
2500	22.5	13.0	0.001	0.60	
2100	22.5	13.0	0.001	0.50	TO NW, YELLOW BROWN HAZE ABOVE THE ST.
1700	22.0	13.0	0.000	0.45	SOUTH OF BAY OBS.
1300	19.5	13.0	0.000	0.60	
900	17.0	13.5	0.000	1.00	O3=0.021 AT 600 FT
500	15.5	12.5	0.000	1.15	
47	14.5	12.0	0.000	1.30	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 15 AUGUST 1978

ARE FLT NO.23 SOUNDING NO. 20F * LOCATION FREMONT (FRE)

SOUNDING TIME(PDT) BEGIN 717 END 754

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
5000	17.5	5.5	0.012	0.55	STOP ASCENT.
4900	17.5	9.0	0.012	0.55	
4500	19.0	11.0	[illegible]	0.50	
4100	19.5	11.5	[illegible]	0.55	
3700	21.0	12.0	0.000	0.55	O3 GREATER THAN 0.050 AT 3500FT.
3300	22.0	12.0	0.000	0.50	
2900	22.5	13.5	0.135	0.55	
2500	23.0	13.5	0.000	0.70	
2100	22.0	13.0	0.024	0.85	
1700	21.0	14.5	0.000	1.00	
1300	17.0	13.0	0.000	1.10	
900	16.0	13.5	0.000	1.20	O3 GREATER THAN 0.050 AT 700FT. (AIRCRAFT EXHAUST).
500	17.5	13.0	0.000	1.30	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 15 AUGUST 1978

ARB FLT NO.23 SOUNDING NO. 3DOWN* LOCATION R-MILLVIEW (RBV)

SOUNDING TIME(PDT) BEGIN 803 END 843

TITUDE ABOVE L)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-6 M-1)	REMARKS
8500	15.0	9.0	0.014	0.25	9500FT 12.5 & 6.0 DEG C. 9000FT 14.0 & 7.0 DEG C.
8100	13.5	8.5	0.054	0.25	O3=0.043 AT 7950 FT
7700	13.5	7.0	0.012	0.25	O3 GREATER THAN 1.000 AT 7500FT. NO SMELL OF OZONE.
7300	13.5	7.0	0.100	0.25	
6900	14.5	8.5	[illegible]	0.25	
6500	15.0	9.0	0.013	0.25	O3=0.036 AT 6300 FT
6100	15.5	9.0	0.030	0.25	
5700	16.0	10.0	0.012	0.25	
5300	17.0	11.0	0.034	0.30	
4900	17.5	11.0	[illegible]	0.30	
4500	18.0	11.5	0.009	0.35	O3 GREATER THAN 1.000 AT 4300FT.
4100	19.0	12.5	0.010	0.40	
3700	20.5	13.0	0.008	0.45	O3 GREATER THAN 1.000 AT 3500FT.
3300	21.5	14.5	0.008	0.60	
2900	22.5	15.0	0.011	0.50	
2500	23.5	16.0	0.008	0.50	
2100	23.5	15.0	0.008	0.50	
1700	22.5	15.5	0.007	0.50	
1300	20.5	15.0	0.007	0.50	
900	18.5	14.5	0.009	0.90	
500	17.5	14.0	0.005	1.10	
133	17.5	14.5	0.004	1.40	

GENERAL REMARKS

RHV 10452 CALM 29.90

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC A/C CHEROKEE 15 AUGUST 1978
ARB FLT NO.23 SOUNDING NO. 40P * LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 857 END 915

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	13.0	4.5	0.014	0.25	9500FT 12.5 DEG C 5 DEG 9900OFT 14 DEG C 5.5DEG C
8100	13.0	4.5	0.008	0.25	O3=0.024 AT 8450 FT
7700	13.5	5.5	0.000	0.30	ST. SCATTERED-BKN IN SALINAS VALLEY
7300	14.0	5.5	0.012	0.30	OVERCAST OVER SALINAS
6900	15.0	6.5	0.009	0.30	SOUTH OF BAY OBS.
6500	15.5	7.5	0.003	0.30	
6100	16.0	9.5	0.000	0.35	SAN LUIS REY RESERVOIR VISIBLE.
5700	17.0	10.5	0.000	0.40	
5300	17.5	11.0	0.000	0.45	
4900	18.5	11.5	0.000	0.50	
4500	19.5	12.5	0.047	0.55	
4100	20.5	13.0	0.009	0.55	
3700	21.0	13.0	0.007	0.60	PG+E PLANT (MOSS LNDG.) PLUME PUSHING UP ST.
3300	22.0	13.0	0.005	0.65	REAL GOOD TODAY.
2900	22.0	13.5	0.000	0.50	
2500	21.5	13.5	0.000	0.70	
2100	20.5	13.5	0.000	0.65	
1700	18.5	13.0	0.000	0.70	
1300	16.0	12.0	0.000	0.80	
900	14.5	12.5	0.000	1.00	
500	15.0	13.0	0.000	1.50	
261	15.0	12.5	0.000	1.80	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE EC A/C CHEROKEE 15 AUGUST 1978

ARB FLT NO.24 SOUNDING NO. 400AN* LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 1419 END 1442

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	13.0	8.5	0.000	0.23	
8100	13.0	7.5	0.009	0.23	
7700	13.0	8.5	0.012	0.25	
7300	15.0	9.0	0.000	0.30	
6900	15.0	9.5	0.013	0.40	
6500	15.0	10.5	0.017	0.40	O3=0.021 AT 6300 FT
6100	15.5	11.5	0.011	0.40	
5700	16.5	11.5	0.000	0.45	SAN JOSE OBS. COYOTE HAZY.
5300	17.0	12.5	0.001	0.45	
4900	18.0	13.0	0.002	0.45	
4500	19.0	14.0	0.002	0.45	
4100	20.5	15.0	0.000	0.45	
3700	21.5	16.0	0.000	0.45	
3300	23.0	16.5	0.001	0.45	
2900	23.0	17.0	0.000	0.50	
2500	23.5	17.5	0.010	0.60	
2100	23.0	17.5	0.012	0.55	
1700	23.5	17.5	0.000	0.60	
1300	23.5	17.5	0.000	0.60	
900	22.5	17.5	0.000	0.65	
500	22.0	17.5	0.000	0.70	
233	22.5	17.5	0.000	0.85	WIND -230/8

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 15 AUGUST 1978
ARB FLT NO.24 SOUNDING NO. 50P * LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1754 END 1514

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	13.0	9.5	0.016	0.15	
8100	14.0	7.0	0.014	0.15	
7700	14.0	8.5	0.000	0.20	ST SCATTERED-BKN WEST END OF SALINAS
7300	14.0	9.5	0.005	0.25	APPEARS TO BE MOVING IN
6900	14.0	10.0	0.012	0.30	
6500	15.0	11.0	0.015	0.40	
6100	15.5	11.0	0.000	0.50	
5700	16.5	12.0	0.002	0.60	TROUGH IN ST. 10 MILES OFF COAST RUNS N-S.
5300	17.0	13.0	0.000	0.60	20 MILES LONG WITH GAPS
4900	18.0	13.5	0.000	0.55	MONTEREY CLEAR. ST OFF COAST + PENINSULA.
4500	20.5	15.0	0.002	0.50	
4100	21.0	15.0	0.001	0.55	
3700	21.5	15.0	0.000	0.70	
3300	22.5	15.0	0.011	0.60	
2900	23.0	15.0	0.017	0.55	
2500	23.0	14.5	0.016	0.55	
2100	21.0	14.0	0.000	0.60	
1700	19.5	13.5	0.000	0.60	
1300	14.5	13.0	0.000	0.65	
900	15.5	14.0	0.000	0.65	ST TOP-1500 FT BASE-900 FT
500	16.5	14.5	0.000	0.60	
64	16.5	14.5	0.000	0.60	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 15 AUGUST 1976

ARB FLT NO.25 SOUNDING NO. 100 * LOCATION R-HILLVIEW (RHV)

SOUNDING TIME(PDT) BEGIN 1700 END 1729

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	12.0	7.0	[illegible]	0.23	
8100	13.0	8.0	0.027	0.23	
7700	14.0	8.5	0.012	0.30	
7300	15.0	9.0	0.013	0.35	
6900	15.5	9.5	0.009	0.40	
6500	16.0	10.0	0.212	0.50	
6100	16.5	10.5	0.024	0.60	
5700	16.5	11.0	0.023	0.70	
5300	17.5	11.5	0.022	0.75	
4900	18.5	12.0	0.012	0.80	
4500	19.5	13.0	0.001	0.90	ST OVER TOPS OF HILLS WEST OF SAN FRANCISCO.
4100	19.5	14.5	0.001	1.00	
3700	20.5	15.0	0.001	1.10	
3300	21.0	15.5	0.001	0.90	
2900	22.0	16.0	0.012	0.70	
2500	23.0	16.0	0.034	0.60	
2100	23.5	15.5	0.009	0.50	
1700	23.5	15.0	0.003	0.60	
1300	24.0	16.0	0.001	0.65	
900	25.5	17.0	0.003	0.70	
500	27.5	18.0	0.020	0.70	
133	29.0	19.0	0.001	0.80	

GENERAL REMARKS

RMV 23452 300/15 29.93 RMV 02452 270/8 29.94

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NAGLE PC A/C CHEROKEE 15 AUGUST 1978
ARB FLT NO.25 SOUNDING NO. 2DOWN* LOCATION HAYWARD (HWD)
SOUNDING TIME(PDT) BEGIN 1742 END 1800

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	13.0	7.5	0.040	0.23	THIN THROUGH RUNNING R-S IN ST (OVER OCEAN) NOT
8100	14.0	8.0	0.010	0.23	WELL DEVELOPED O3 GREATER THAN 0.250 AT 7900FT.
7700	15.0	9.0	0.013	0.22	VISIBILITY TO NE-60 MILES SAN JUAQUIN VALLEY
7300	16.0	9.5	0.015	0.22	O3=0.041 AT 7500 FT ST. THROUGH GOLDEN GATE
6900	17.0	11.0	0.015	0.22	BRIDGE AND OVER BERKELEY. CAN SEE SUTRO TOWER
6500	17.5	11.5	0.024	0.22	ONLY A LITTLE BIT STICKING UP THROUGH TOP OF ST.
6100	18.0	11.5	0.019	0.25	O3 GREATER THAN 0.250 AT 5900 AND 5500 FT.
5700	18.5	12.0	0.025	0.27	HWD 29/13 29.90
5300	18.5	12.5	0.013	0.30	O3=0.150 AT 5020 FT
4900	19.0	13.0	0.013	0.33	
4500	19.5	14.0	0.110	0.40	
4100	20.5	14.5	0.090	0.44	TOPS OF ST. OVER BAY 2000 FT
3700	21.5	15.0	0.000	0.35	
3300	23.0	15.0	0.000	0.30	
2900	22.5	15.5	0.019	0.22	
2500	22.5	16.0	0.153	0.30	
2100	22.5	16.5	0.000	0.40	
1700	22.5	17.0	0.000	0.50	
1300	22.0	17.0	0.049	0.70	
900	19.0	16.0	0.000	0.75	
500	17.5	15.0	0.000	0.65	
47	19.0	15.5	0.000	0.80	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE AC A/C CHEROKEE 15 AUGUST 1978
ARB FLT NO.25 SOUNDING NO. 30P * LOCATION FREMONT (FRE)
SOUNDING TIME(PDT) BEGIN 1818 END 1838

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	13.0	6.5	0.050	0.28	O3 GREATER THAN 1.000 AT 8250FT.
8100	13.5	6.5	0.007	0.20	
7700	14.5	7.0	[illegible]	0.21	
7300	15.0	7.5	0.007	0.30	
6900	16.0	8.5	0.030	0.35	O3 GREATER THAN 1.000 AT 6680 FT.
6500	16.5	9.0	0.000	0.40	
6100	17.0	9.5	[illegible]	0.30	
5700	17.5	10.5	0.010	0.35	O3 GREATER THAN 0.650 AT 5640 AND 5200 FT.
5300	18.5	11.0	0.006	0.40	
4900	19.0	11.5	0.013	0.59	
4500	20.0	12.0	0.000	0.50	
4100	20.5	12.5	0.000	0.40	
3700	21.0	13.0	0.000	0.51	O3 GREATER THAN 0.650 AT 3500 FT.
3300	21.0	13.5	0.000	0.60	O3=0.151 AT 3050 FT
2900	21.0	15.0	0.000	0.80	O3=0.162 AT 2700 FT
2500	21.5	15.0	0.005	0.79	
2100	22.5	15.5	0.187	0.70	
1700	23.0	15.5	0.000	0.60	
1300	23.0	16.5	0.000	0.50	
900	24.0	17.5	0.141	0.40	
500	24.5	18.5	0.000	0.52	
4	25.0	18.5	0.000	0.60	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 15 AUGUST 1976
ARB FLT NO.25 SOUNDING NO. 400AN* LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PLT) BEGIN 1653 END 1917

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	C3 (FPM)	BSCAT (10-4 M-1)	REMARKS
8500	14.0	7.0	0.015	0.20	TROUGH IN ST. FROM BAY ENTRANCE
8100	14.0	7.0	0.050	0.20	10-15 MILES OFF OF MONTEREY RUNS N-S.
7700	13.5	7.0	0.025	0.20	
7300	14.5	7.5	0.060	0.20	
6900	15.5	8.0	0.019	0.20	
6500	15.5	8.5	0.019	0.20	C3=0.062 AT 6350 FT
6100	16.5	9.0	0.015	0.20	
5700	17.5	10.5	0.020	0.20	
5300	19.0	11.0	0.027	0.23	C3=0.035 AT 5000 FT
4900	19.5	12.5	0.020	0.30	
4500	20.5	13.0	0.045	0.39	
4100	20.5	14.0	0.022	0.46	
3700	21.0	15.0	0.014	0.60	
3300	21.0	15.5	0.006	0.70	
2900	22.0	16.5	0.006	0.80	
2500	22.5	17.0	0.001	0.88	
2100	22.5	17.0	0.001	0.95	
1700	22.5	17.5	0.001	0.90	
1300	21.5	17.0	0.001	0.85	
900	20.0	16.5	0.000	0.80	
500	19.0	16.0	0.072	0.80	
281	19.0	16.0	0.005	0.88	TOP OF ST COMING THROUGH PASS -1700FT

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 15 AUGUST 1976
ARB FLT NO.25 SOUNDING NO. SUP * LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1927 END 1947

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	12.5	5.5	0.041	0.35	
8100	13.5	6.0	0.016	0.40	
7700	14.5	6.5	0.007	0.45	SEGMENT OF TROUGH IN ST. POINTS TOWARDS
7300	15.0	7.0	0.013	0.50	MOSS LANDING AND PASS TO HOLLISTER.
6900	16.0	8.5	0.013	0.60	
6500	17.0	9.0	0.011	0.50	
6100	18.0	10.0	0.019	0.45	
5700	19.0	11.0	0.000	0.50	
5300	19.5	13.0	0.012	0.50	SALINAS OVERCAST.
4900	19.5	12.5	0.022	0.55	O3=0.023 AT 4750 FT
4500	20.5	12.0	0.015	0.60	
4100	20.5	12.5	0.013	0.70	
3700	21.5	14.0	0.000	0.80	
3300	22.0	15.0	0.000	0.90	
2900	21.5	15.0	0.000	1.15	
2500	21.5	15.5	0.000	0.70	
2100	19.5	14.0	0.000	0.60	S. SAN JOSE OBS.
1700	18.5	13.5	0.000	0.57	
1300	19.0	15.5	0.000	0.50	
900	18.0	13.5	0.005	0.60	
500	17.5	14.0	0.005	0.65	
233	17.0	14.5	0.005	0.70	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 16 AUGUST 1976
ARB FLT NO.26 SOUNDING NO. 10P * LOCATION SALINAS (SNS)
SOUNDING TIME(PDT) BEGIN 1755 END 1810

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	11.5	5.0	0.000	0.25	ST. SCATTERED-BRN SW OF PASS (COAST-MOL)
8100	11.5	5.0	0.001	0.25	SCATTERED OVER MONTEREY. NO ST VISIBLE OVER OCEAN.
7700	12.5	5.5	0.071	0.30	
7300	13.5	6.5	[illegible]	0.25	
6900	14.5	5.0	0.013	0.30	O3= 0.030 6800 FT
6500	15.5	5.5	0.018	0.30	O3=0.027 AT 6700 FT
6100	16.0	5.5	0.000	0.30	
5700	15.5	6.0	0.017	0.25	
5300	17.0	5.0	0.015	0.25	
4900	17.5	7.0	0.042	0.20	
4500	18.0	7.0	0.000	0.25	
4100	18.5	7.5	0.000	0.30	O3=0.055 AT 3900 FT
3700	18.0	8.0	0.000	0.30	
3300	17.0	9.5	0.024	0.40	
2900	16.0	7.0	0.067	0.40	
2500	14.5	9.0	0.000	0.30	
2100	14.0	10.0	0.000	0.40	O3=0.032 AT 1850 FT
1700	14.5	11.5	0.000	0.30	
1300	15.0	12.5	0.000	0.35	
900	15.5	13.0	0.000	0.35	O3=0.090 AT 750 FT
500	0.0	0.0	0.000	0.50	
84	17.0	14.0	0.000	0.60	SNS 300/15 30.00

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABEE WG A/C CHEROKEE 16 AUGUST 1976
ARD FLT NO.26 SOUNDING NO. 2DOWN* LOCATION HOLLISTER (HOL)
SOUNDING TIME(PDT) BEGIN 1045 END 1914

ALTITUDE (FT ABOVE MSL)	T (C)	TA (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	11.5	5.5	0.000	0.25	
8100	12.5	5.5	0.187	0.25	
7700	12.5	5.5	0.196	0.20	
7300	13.0	5.5	0.017	0.30	
6900	14.0	7.0	0.035	0.30	O3=0.056 AT 6600 FT
6500	14.5	7.5	0.006	0.30	
6100	15.5	8.5	0.056	0.20	
5700	16.0	9.0	0.011	0.30	
5300	17.0	10.0	0.011	0.30	O3=0.036 AT 5000 FT
4900	17.0	10.0	0.011	0.30	
4500	17.5	11.0	0.007	0.40	
4100	17.0	12.5	0.074	0.70	
3700	16.5	13.5	0.000	0.90	
3300	16.0	13.5	0.001	0.70	
2900	17.0	14.5	0.001	0.70	
2500	17.0	14.0	0.000	0.50	
2100	17.0	14.0	0.000	0.50	
1700	19.5	15.0	0.000	0.45	
1300	18.5	14.5	0.000	0.50	
900	17.0	14.5	0.000	0.40	
500	17.0	14.0	0.000	0.45	
233	17.0	14.0	0.000	0.54	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MADLE RC A/C CHEROKEE 10 AUGUST 1976
ARB FLT NO.20 SOUNDING NO. 30P * LOCATION SO. COUNTY (SCO)
SOUNDING TIME(PDT) BEGIN 1925 END 1948

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	CS (PPM)	ESCAT (10-4 M-1)	REMARKS
8500	11.5	6.0	0.016	0.30	
8100	12.0	5.5	0.020	0.25	
7700	13.0	6.0	0.013	0.20	
7300	13.0	6.0	0.010	0.25	
6900	14.0	6.5	0.010	0.30	
6500	15.0	7.0	0.006	0.25	
6100	15.5	7.5	0.006	0.29	
5700	16.5	8.5	0.000	0.27	
5300	16.5	8.5	0.019	0.30	
4900	16.5	8.0	0.022	0.30	ST. FORMING THICKER OVER PASS AND SALINAS.
4500	16.0	10.5	0.000	0.30	
4100	16.5	11.5	0.000	0.45	
3700	16.5	13.5	0.000	0.45	
3300	16.5	13.0	0.000	0.65	
2900	17.0	13.0	0.000	0.60	
2500	18.0	13.5	0.000	0.60	
2100	18.5	14.0	0.000	0.55	
1700	19.0	14.5	0.000	0.51	
1300	19.5	15.0	0.000	0.53	
900	19.5	15.5	0.000	0.55	
500	0.0	0.0	0.040	0.60	
281	19.0	15.0	0.000	0.70	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC A/C CHEROKEE 16 AUGUST 1978
ARB FLT NO.26 SOUNDING NO. 400PM* LOCATION R-HILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 1955 END 2016

ALTITUDE (FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
8500	11.0	8.0	0.012	0.25	RHV 01452 310/12 29.97
8100	11.0	8.0	0.008	0.21	ST. NEAR TOPS OF HILLS WEST OF SFO
7700	11.5	5.5	0.016	0.25	
7300	12.0	8.0	0.014	0.26	ST. OVER BERKELEY, OAKLAND, AND HAYWARD.
6900	12.5	8.5	0.014	0.25	
6500	13.0	7.0	0.014	0.29	
6100	14.0	7.5	0.019	0.29	
5700	14.5	9.0	0.015	0.25	
5300	15.5	8.5	0.012	0.27	
4900	15.0	9.0	0.012	0.30	
4500	15.0	9.0	0.012	0.25	
4100	15.5	9.5	0.012	0.25	
3700	16.5	10.5	0.011	0.30	
3300	17.0	11.5	0.011	0.30	
2900	17.0	12.0	0.011	0.30	
2500	16.0	12.0	0.011	0.35	
2100	16.5	13.0	0.011	0.40	
1700	16.0	12.5	0.009	0.40	
1300	16.0	13.0	0.009	0.35	
900	16.5	13.5	0.009	0.40	
500	17.0	13.5	0.009	0.50	
133	17.0	14.0	0.009	0.50	

GENERAL REMARKS

RHV 23452 310/15 29.95 RHV 01452 310/12 29.97 RHV 03452 330/10 29.96

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

TABLE #C A/C CHEROKEE 16 AUGUST 1976
ARB FLT NO.26 SOUNDING NO. 500AN* LOCATION FREMONT (FRE)
SOUNDING TIME(PLT) BEGIN 2027 END 2040

ALTITUDE (FT ABOVE MSL)	T (C)	T* (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
5000	15.5	8.5	0.000	0.33	
4600	15.5	9.0	0.007	0.25	STOCKTONS LIGHTS VISIBLE
4200	15.5	9.0	0.009	0.28	
3800	16.0	9.5	0.002	0.29	
3400	16.5	10.0	0.001	0.30	
3000	16.5	10.0	0.000	0.30	
2600	16.5	11.0	0.005	0.30	
2200	16.5	11.0	0.001	0.40	
1800	13.0	11.0	0.000	0.40	
1400	13.5	11.0	0.000	0.40	
1000	14.5	12.0	0.001	0.40	
600	15.0	12.5	0.000	0.42	
4	15.5	13.0	0.000	0.45	

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

HAGLE #C A/C CHEROKEE 17 AUGUST 1976
ARB FLT NO.27 SOUNDING NO. 0 * LOCATION R-HILLVIEW (RHV)
SOUNDING TIME(PDT) BEGIN 703 END 1011

ALTITUDE (FT ABOVE MSL)	T (C)	TD (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
133	11.5	9.5	0.000	0.00	0703 PDT
133	16.5	13.0	0.000	0.00	1011 PDT

GENERAL REMARKS

RHV 1352Z CALM 30.02 RHV 1445Z 15074 30.02 RHV 1646Z 12074 30.03

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC A/C CHEROKEE 17 AUGUST 1978

ARB FLT NO.27 SOUNDING NO. 1DOWN* LOCATION HOLLISTER (HOL)

SOUNDING TIME(PDT) BEGIN 743 END 822

ALTITUDE FT ABOVE MSL)	T (C)	TW (C)	O3 (PPM)	BSCMT (10-4 M-1)	REMARKS
8500	8.5	0.0	0.021	0.35	RHV 13522 CALM 30.02
8100	8.5	1.0	0.024	0.40	SJC 13452 140/7 30.04 56 DEGREES F
7700	9.0	1.0	0.013	0.35	WINDS ALOFT FORECAST FROM OAKLAND FLIGHT WATCH.
7300	9.5	1.5	0.072	0.35	8000 FT 340/20 9000 FT 330/25
6900	11.0	2.0	0.030	0.35	
6500	12.0	3.0	0.013	0.40	
6100	13.0	3.5	0.033	0.40	RHV 14452 150/4 30.02
5700	14.0	4.0	0.012	0.45	O3=0.044 AT 5500 FT
5300	14.5	5.0	0.011	0.50	O3 GREATER THAN 0.050 AT 5000 FT.
4900	14.0	5.5	0.012	0.50	
4500	15.0	6.0	0.090	0.60	
4100	15.5	6.5	0.037	0.55	O3 GREATER THAN 0.050 AT 4100 FT.
3700	16.0	8.5	0.006	0.50	
3300	15.5	9.0	0.005	0.50	
2700	13.0	9.0	0.003	0.60	
2300	10.5	8.5	0.002	0.50	

+++GENERAL REMARKS+++

TOPS OF ST. OVER HOL - 2000FT. HIGHER TO THE W, NW, AND EAST.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE NC A/C CHEROKEE 18 AUGUST 1978
ARB FLT NC.29 SOUNDING NO. 10P * LOCATION RHV-SAC
SOUNDING TIME(PDT) BEGIN 810 END 820

ALTITUDE FT ABOVE MSL)	T (C)	DW (C)	O3 (PPM)	BSCAT (10-4 M-1)	REMARKS
1000	18.5	11.5	0.000	0.00	SAC 14562 54 DEGREES F CALM 29.98
500	16.5	11.0	0.000	0.00	
133	16.0	11.5	0.055	0.00	RHV 13562 CALM 30.00 NON-VERTICAL SOUNDING

GENERAL REMARKS

NON-VERT. SOUNDING AIR BAG SAMPLE TAKEN AT 2700-2900FT NEAR SUNOL PASS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 1 SOUNDING NO. 1DOWN* LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 649 END 702

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	25.6		
6500	25.6		
6000	26.1		
5500	27.2		
5000	28.3		
4500	29.4		
4000	30.0		
3500	31.1		
3000	32.2		
2500	33.3		
2000	33.9		
1500	32.8		
1000	32.8		
500	31.7		

+++GENERAL REMARKS+++

YSI THERMISTOR USED ON FLIGHT.

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 9 AUGUST 1970
FLT NO. 1 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 708 END 721

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	25.0		
6500	25.6		FRAME =11 + 12
6000	26.7		DISTINCT LAYER OF HAZE.
5500	26.3		
5000	29.4		
4500	30.6		
4000	31.1		
3500	32.2		
3000	33.3		
2500	34.4		
2000	32.8		
1500	33.9		
1000	32.8		
500	32.2		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 1 SOUNDING NO. 3DOWN* LOCATION WALNUT CRK (WCK)
SOUNDING TIME(PDT) BEGIN 728 END 738

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	24.4		
6500	24.4		
6000	25.6		LAYER OF HAZE
5500	26.7		
5000	27.2		
4500	28.3		
4000	30.0		
3500	31.1		
3000	31.7		
2500	32.2		
2000	31.7		
1500	31.7		
1000	26.1		
500	22.2		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE MG NORTHBAY A/C 9 AUGUST 1978
FLT NO. 1 SOUNDING NO. 4UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 752 END 805

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	24.4		
6500	25.6		
6000	26.9		
5500	27.8		
5000	27.8		
4500	29.4		
4000	31.1		
3500	32.2		
3000	32.8		
2500	32.8		
2000	32.8		
1500	31.1		
1000	18.9		
500	13.3		PATCHY LOW STRATUS.

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 1 SOUNDING NO. 5DOWN* LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 817 END 831

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	23.3		CLEAR-PATCHY LOW STRATUS TO THE WEST BELOW 500 FT
6500	23.9		
6000	25.0		
5500	25.8		
5000	26.7		
4500	27.8		
4000	30.0		
3500	31.1		
3000	32.2		
2500	32.8		
2000	33.3		
1500	33.3		
1000	27.2		
500	13.9		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE WC NORTHBAY A/C 9 AUGUST 1970
FLT NO. 2 SOUNDING NO. 1DOWN* LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 1242 END 1300

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	25.0		
6500	25.3		
6000	26.1		
5500	27.5		
5000	28.3		
4500	30.0		
4000	30.6		
3500	31.7		
3000	32.8		
2500	33.9		
2000	34.4		
1500	34.4		
1000	33.9		
500	33.9		

+++GENERAL REMARKS+++

YSI THERMISTOR USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 2 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 1307 END 1322

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	24.4		
6500	26.1		
6000	27.2		
5500	28.3		
5000	29.4		
4500	30.6		
4000	31.7		
3500	32.8		
3000	33.3		
2500	33.9		
2000	34.4		LIGHT TURBULANCE.
1500	35.0		
1000	36.1		
500	36.1		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE NC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 2 SOUNDING NO. 3DOWN* LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1330 END 1347

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	24.4		CLEAR
6500	25.0		
6000	25.6		
5500	27.2		
5000	28.3		
4500	30.0		
4000	31.1		
3500	32.2		
3000	33.1		
2500	33.9		LIGHT TURBULANCE AT 2400 FT
2000	32.8		
1500	32.8		LIGHT TURBULENCE AT 1500 FT
1000	32.2		DOWN TO
500	32.8		500 FT

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 2 SOUNDING NO. 4UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 1355 END 1410

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	23.9		
6500	25.6		
6000	26.7		
5500	28.3		
5000	29.4		
4500	30.6		
4000	32.2		
3500	33.3		
3000	34.4		
2500	35.6		
2000	35.0		
1500	28.9		
1000	26.7		LIGHT TURBULENCE
500	25.6		CLEARING SOME

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE MC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 2 SOUNDING NO. 500NN* LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 1422 END 1440

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	23.9		
6500	24.4		
6000	25.0		
5500	26.7		
5000	27.8		
4500	28.9		
4000	30.6		
3500	31.7		
3000	32.8		
2500	34.4		
2000	34.4		
1500	30.6		
1000	29.4		
500	27.2		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 3 SOUNDING NO. 1UP * LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 1655 END 1708

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	23.9		
6500	23.9		
6000	26.1		
5500	27.2		
5000	28.9		
4500	30.0		
4000	31.1		
3500	32.8		
3000	33.9		
2500	35.0		
2000	35.0		
1500	30.0		
1000	24.4		
500	24.4		CLEAR

+++GENERAL REMARKS+++

YSI THERMISTOR USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 3 SOUNDING NO. 2DOWN* LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 1717 END 1736

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	24.4		CLEAR
6500	24.4		
6000	26.1		
5500	27.2		
5000	28.9		
4500	30.0		
4000	31.7		
3500	32.2		
3000	33.3		
2500	34.4		
2000	33.3		
1500	30.6		
1000	27.2		
500	26.1		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 3 SOUNDING NO. 3UP * LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1745 END 1759

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	23.9		
6500	25.6		
6000	26.7		
5500	28.3		
5000	29.4		
4500	30.6		
4000	32.2		
3500	32.8		
3000	34.4		
2500	35.0		
2000	34.4		
1500	31.1		
1000	31.7		
500	32.2		CLEAR

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE HC NORTHBAY A/C 9 AUGUST 1970
FLY NO. 3 SOUNDING NO. 4DOWN* LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 1805 END 1820

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	25.0		
6500	24.4		
6000	26.1		
5500	27.2		
5000	28.9		
4500	30.0		
4000	31.0		
3500	32.8		
3000	33.9		
2500	35.0		
2000	36.1		
1500	36.1		
1000	33.9		1000FT + BELOW
500	35.6		TURBULENCE

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE HC NORTHBAY A/C 9 AUGUST 1978
FLT NO. 3 SOUNDING NO. 5UP * LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 1825 END 1840

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	24.4		
6500	25.6		
6000	27.2		
5500	28.3		
5000	29.4		
4500	31.1		
4000	32.2		SLIGHT TURBULENCE AT 3800FT
3500	33.3		
3000	35.0		
2500	36.7		
2000	37.8		
1500	38.9		
1000	38.9		
500	33.3		CLEAR

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MAGLE HC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 4 SOUNDING NO. 10DWN* LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 939 END 950

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		CLEAR
6500	12.2		
6000	12.8		
5500	13.3		
5000	13.3		
4500	13.3		
4000	15.0		
3500	13.3		
3000	13.3		
2500	13.9		
2000	13.3		
1500	14.4		
1000	15.6		
500	16.7		
200	19.4		

+++GENERAL REMARKS+++

SCOTT THERMOMETER USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 4 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 1004 END 1015

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.2		
6500	12.8		
6000	13.3		
5500	13.6		
5000	14.4		
4500	14.4		
4000	14.4		
3500	13.3		
3000	13.9		
2500	15.0		
2000	16.7		
1500	17.8		
1000	18.9		
500	20.6		
300	20.6		WEATHER CLEAR

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 4 SOUNDING NO. 3DOWN* LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1020 END 1032

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.3		
6500	13.3		
6000	13.3		
5500	14.4		
5000	13.9		
4500	13.3		
4000	13.3		
3500	13.9		
3000	13.9		
2500	14.4		
2000	14.4		
1500	15.0		
1000	15.6		

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE WC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 4 SOUNDING NO. 4UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 1109 END 1118

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		WEATHER CLEAR VISIBILITY 40 MILES
6500	13.3		
6000	14.4		
5500	14.4		
5000	13.3		
4500	13.9		
4000	15.0		
3500	15.6		
3000	15.0		
2500	15.0		
2000	14.4		
1500	15.0		
1000	16.1		
500	17.2		

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 4 SOUNDING NO. 500WN* LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 1126 END 1137

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	11.4		
6500	11.4		
6000	12.2		
5500	13.3		
5000	13.9		
4500	13.9		
4000	14.4		
3500	15.0		
3000	15.3		
2500	15.0		
2000	15.6		
1500	16.1		
1000	17.2		
500	18.3		
200	20.0		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 5 SOUNDING NO. 1DOWN* LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 1733 END 1744

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		CLEAR
6500	12.8		
6000	13.3		
5500	14.4		
5000	15.0		
4500	15.6		
4000	15.8		
3500	16.1		
3000	17.8		
2500	18.3		
2000	20.0		
1500	21.7		
1000	23.9		
500	25.0		
200	26.7		

+++GENERAL REMARKS+++

SCOTT THERMOMETER USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE 3C NORTHBAY A/C 13 AUGUST 1978
FLT NO. 5 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 1755 END 1805

ALTITUDE (FT ABOVE MSL)	T (C)	(C)		REMARKS
7000	13.3			
6500	13.9			
6000	15.5			
5500	15.6			
5000	16.7			
4500	17.5			
4000	17.8			
3500	18.3			
3000	20.0			
2500	21.1			
2000	22.2			
1500	23.9			
1000	25.0			
500	26.7			
300	26.1		29.96 CCR	

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 5 SOUNDING NO. 3DOWN* LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1813 END 1823

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.3		CLEAR
6500	13.1		
6000	13.3		
5500	14.4		
5000	15.6		
4500	15.6		
4000	15.6		
3500	16.7		
3000	17.2		
2500	18.3		
2000	18.9		
1500	20.0		
1000	21.1		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

WABLE WC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 5 SOUNDING NO. 4UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 1834 END 1843

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		
6500	13.3		
6000	15.0		
5500	15.6		
5000	16.1		
4500	17.2		
4000	17.8		
3500	18.3		
3000	18.3		
2500	18.3		
2000	18.3		
1500	20.0		
1000	21.1		CLEAR
500	21.1		VISIBILITY 30 MI

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 13 AUGUST 1978
FLT NO. 5 SOUNDING NO. 5DOWN* LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 1854 END 1904

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	11.7		ALTIMETER:NAPA 29.96 HAZY VISIBILITY 15MI
6500	11.1		
6000	11.7		
5500	12.2		
5000	12.8		
4500	13.9		
4000	15.6		
3500	16.7		
3000	17.8		
2500	18.3		
2000	19.4		
1500	20.0		
1000	18.9		
500	18.3		
200	18.9		AIRPORT OVER PETALUMA RWY

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 6 SOUNDING NO. 100HN* LOCATION RIO VISTA (RVA)
SOUNDING TIME (PDT) BEGIN 638 END 652

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.9	20.97	
6500	13.3		
6000	13.9		
5500	14.7		
5000	14.7		
4500	15.6		
4000	16.9		
3500	18.3		
3000	18.9		
2500	20.0		
2000	20.3		
1500	20.8		
1000	20.8		
500	20.8		
200	19.4		

+++GENERAL REMARKS+++

SCOTT THERMOMETER USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 6 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 703 END 713

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.9		
6500	13.9		
6000	14.4		
5500	15.0		
5000	15.6		
4500	16.4		
4000	17.2		
3500	17.8		
3000	18.3		
2500	19.4		
2000	20.6		
1500	21.1		
1000	21.1		
500	21.1		
300	21.1		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE HC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 6 SOUNDING NO. 3DOWN* LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 717 END 727

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		
6500	13.3		
6000	13.6		
5500	15.0		
5000	15.6		
4500	16.1		
4000	17.2		
3500	17.2		
3000	18.1		
2500	18.3		
2000	19.4		
1500	19.4		
1000	19.4		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 6 SOUNDING NO. 4UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 740 END 751

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.9		
6500	14.4		
6000	15.0		
5500	15.6		
5000	15.6		
4500	16.7		
4000	18.1		
3500	18.3		
3000	19.7		
2500	20.0		
2000	20.8		
1500	20.0		
1000	14.4		SURF WIND CALM
500	15.0		SMALL PATCH FOG E CITY WALNUT CREEK

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

HABLE NC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 6 SOUNDING NO. 5DOWN* LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 800 END 814

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.0		
6500	12.0		
6000	13.1		
5500	14.4		
5000	15.6		
4500	17.2		
4000	18.3		
3500	19.4		
3000	19.4		
2500	19.7		
2000	21.1		
1500	21.1		
1000	18.1		
500	16.1		
200	13.9		WX CLEAR CALM

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 7 SOUNDING NO. 100WN* LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 1216 END 1228

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.3		
6500	13.3		
6000	14.4		
5500	15.6		
5000	16.1		
4500	17.2		
4000	18.3		
3500	19.4		
3000	20.3		
2500	21.1		BEGINNING OF LIGHT TURBULANCE FROM THIS ALTITUDE TO 500 FT (PROBABLY THERMALS)
2000	21.7		
1500	22.2		
1000	23.9		
500	25.0		

GENERAL REMARKS

SCOTT THERMOMETER USED ON FLIGHT BROWN LAYER TO THE NORTH AT ABOUT 3000FT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE HC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 7 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 1242 END 1254

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		
6500	13.3		
6000	14.4		
5500	16.1		
5000	17.2		
4500	18.3		
4000	18.9		
3500	18.3		
3000	20.6		
2500	21.7		
2000	23.3		
1500	23.9		
1000	25.6		
500	26.7		

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 7 SOUNDING NO. 3DOWN* LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1301 END 1313

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.9		
6500	13.9		
6000	14.4		
5500	15.0		
5000	15.6		
4500	17.2		
4000	17.8		
3500	18.3		
3000	20.0		
2500	21.1		
2000	22.8		
1500	23.9		
1000	25.6		
750	26.7		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 7 SOUNDING NO. 6UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 1328 END 1340

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		
6500	13.9		
6000	15.0		
5500	16.1		
5000	17.2		
4500	18.3		
4000	18.9		
3500	20.0		
3000	21.1		
2500	22.8		
2000	23.3		
1500	23.3		
1000	23.9		
500	23.9		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 14 AUGUST 1978
FLT NO. 7 SOUNDING NO. 5DOWN* LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 1351 END 1403

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		
6500	13.3		
6000	14.4		
5500	15.6		
5000	16.7		
4500	18.3		
4000	18.9		
3500	20.0		
3000	21.1		
2500	22.2		
2000	23.3		
1500	24.4		
1000	25.6		
500	27.2		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NG NORTHBAY A/C 15 AUGUST 1978
FLT NO. 8 SOUNDING NO. 1DOWN* LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 1017 END 1042

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.5		40 + MILE VISIBILITY TO SOUTH, WEST, NORTH
6500	12.8		20 MILE VISIBILITY TO THE EAST
6000	13.3		SAN JOSE 09:00 PDT WX WAS 29.98(N HG 69 DEGREE E
5500	14.4		WIND CALM
5000	15.8		
4500	16.7		
4000	18.1		
3500	18.6		
3000	19.7		
2500	20.6		
2000	21.4		
1500	22.2		
1000	22.5		
500	21.7		LIGHT SURFACE WIND FROM WEST

+++GENERAL REMARKS+++

SCOTT THERMOMETER USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 15 AUGUST 1978
FLT NO. 8 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 1054 END 1113

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.5		BUCHANNAN TOWER REPORTING 29.97(HG
6500	13.3		
6000	14.4		
5500	15.8		
5000	16.9		
4500	18.1		
4000	18.3		
3500	18.6		
3000	20.3		
2500	21.1		
2000	21.7		
1500	22.5		LIGHT SURFACE WIND FROM WEST
1000	23.6		WEST, NORTH. 30 MI VIS EAST
500	23.9		40 MILE VISIBILITY TO SOUTH.

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC - NORTHBAY A/C 15 AUGUST 1978
FLY NO. 8 SOUNDING NO. 3DOWN* LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1123 END 1153

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.5		40 MILE VISABILITY ALL QUADRANTS. SMOKE RISING AND COLLECTING NEAR STOCTON.
6500	12.8		
6000	13.9		
5500	14.4		
5000	15.3		
4500	16.4		
4000	16.7		
3500	18.9		
3000	19.2		
2500	19.4		
2000	20.6		
1500	21.1		
1000	21.7		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 15 AUGUST 1978
FLT NO. 8 SOUNDING NO. 4UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 1205 END 1222

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.3		MODERATE WESTERLY SURFACE WINDS.
6500	14.0		
6000	15.3		
5500	16.1		
5000	17.5		
4500	18.1		
4000	18.9		
3500	20.0		
3000	20.6		
2500	20.0		
2000	18.3		
1500	18.3		
1000	17.8		
500	17.2		40-50 MILE VIS. ALL QUADRANTS.

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

WABLE NC NORTHBAY A/C 19 AUGUST 1978
FLT NO. 8 SOUNDING NO. 500HN* LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 1232 END 1248

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	12.8		FOG/HAZE VISIBLE TO THE WEST NEAR TOMOLAS BAY 40 TO 50 MI VISIBILITY ELSEWHERE
6500	12.8		
6000	13.6		
5500	15.0		
5000	16.1		
4500	16.9		
4000	18.1		
3500	18.3		
3000	19.4		
2500	20.0		
2000	18.9		
1500	18.3		
1000	18.9		

+++GENERAL REMARKS+++

SJC 1945Z 340/8 29.97 80 DEG F. FINGER OF ST 1600FT TOP COVERS SAN FRAN X-BAY

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 15 AUGUST 1978
FLT NO. 9 SOUNDING NO. 1UP * LOCATION PETALUMA (PTA)
SOUNDING TIME(PDT) BEGIN 1740 END 1758

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	15.6		CLEAR-HAZE TO 3000 250/15 AT ALAMEDA
6500	16.9		
6000	17.2		1800
5500	18.9		STRATUS IN BAY FM GOLDEN GATE TO T X BASES 800 TOPS
5000	19.7		
4500	20.3		
4000	20.6		
3500	20.8		
3000	22.2		
2500	22.2		
2000	22.2		
1500	22.2		CLEAR

+++GENERAL REMARKS+++

SCOTT THERMOMETER USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE NC NORTHBAY A/C 15 AUGUST 1970
FLT NO. 9 SOUNDING NO. 2UP * LOCATION VALLEJO (VLO)
SOUNDING TIME(PDT) BEGIN 1808 END 1824

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7500	15.3		
7000	15.0		
6500	16.7		
6000	17.5		
5500	18.1		
5000	18.6		
4500	20.0		
4000	20.8		
3500	21.7		
3000	22.2		
2500	23.6		
2000	22.2		CLEAR
1500	22.2		

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

NABLE WC NORTHBAY A/C 15 AUGUST 1978
FLT NO. 9 SOUNDING NO. 3UP * LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 1834 END 1853

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	15.6		
6500	16.7		
6000	18.1		
5500	19.4		
5000	19.7		
4500	20.0		
4000	21.9		
3500	22.8		
3000	23.9		
2500	25.3		
2000	26.1		
1500	25.6		
1000	25.6		
500	24.4		

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 15 AUGUST 1976
FLT NO. 0 SOUNDING NO. 4UP 9 LOCATION ANTIGCH (ATH)
SOUNDING TIME(PCT) BEGIN 1858 END 1914

ALTITUDE (FT ABOVE MSL)	T (C)	(S)	REMARKS
7000	15.3		
6500	16.7		
6000	16.9		
5500	18.1		
5000	19.4		
4500	20.8		
4000	21.7		
3500	23.3		
3000	23.3		
2500	25.0		
2000	25.6		
1500	25.0		CLEAR
1000	23.9		

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE WC NORTHBAY A/C 15 AUGUST 1978
FLY NO. 9 SOUNDING NO. 5UP * LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1922 END 1936

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	16.4		
6500	16.7		GOLDEN GATE TO TREASURE IS TO SAN BRUNO MT
6000	16.7		CLEAR THROUGHOUT BAY EXCEPT LOW STRATUS EST 800-1600
5500	17.8		
5000	18.9		
4500	19.7		
4000	20.6		
3500	22.2		
3000	23.3		
2500	23.3		
2000	23.3		CLEAR

+++GENERAL REMARKS+++

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

MABLE NC NORTHRAV A/C 16 AUGUST 1978
FLT NO. 10 SOUNDING NO. 1DOWN* LOCATION RIO VISTA (RVA)
SOUNDING TIME(PDT) BEGIN 1712 END 1747

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.3		VIS 30 MI
6500	14.4		
6000	15.0		
5500	16.1		
5000	17.2		
4500	18.3		
4000	18.9		
3500	18.9		
3000	19.4		
2500	20.0		
2000	20.6		
1500	20.0		
1000	21.1		
500	22.2		
200	24.4		

GENERAL REMARKS

YSI THERMISTOR USED ON FLIGHT

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING

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MABLE WC NORTHBAY A/C 16 AUGUST 1978
FLT NO.18 SOUNDING NO. 2UP * LOCATION ANTIOCH (ATH)
SOUNDING TIME(PDT) BEGIN 1757 END 1813

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	13.3		
6500	14.4		
6000	15.0		
5500	16.1		
5000	17.2		
4500	18.9		
4000	20.6		
3500	20.0		
3000	21.1		
2500	22.2		
2000	21.7		
1500	22.2		
1000	23.3		
500	25.0		WIND W 15 KT

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING -

HABLE MC NORTHDAY A/C 16 AUGUST 1978
FLT NO.18 SOUNDING NO. 3DOWN* LOCATION WALNUT CK (WCK)
SOUNDING TIME(PDT) BEGIN 1815 END 1822

ALTITUDE (FT ABOVE MSL)	T (C)	(C)	REMARKS
7000	14.4		
6500	13.9		
6000	14.4		
5500	15.6		
5000	16.7		
4500	17.8		
4000	18.3		
3500	19.4		
3000	20.6		
2500	20.0		
2000	18.3		
1500	22.2		
1000	19.4		

GENERAL REMARKS

* DIRECTION OF VERTICAL TRAVEL OF AIRCRAFT DURING SOUNDING