FLIGHT SUMMARY REPORT

Flight Number: 04-942

Calendar/Julian Date: 27 July 2004 (209)

Sensor Package: Wild-Heerbrugg RC-30
MODIS Airborne Simulator (MAS)

Area(s) Covered: Sierra Nevada / Sonoma County

Investigator(s): Penberth; California Dept of Conservation **Aircraft Number:** 809

SENSOR DATA

Accession #:	05805	___	05819
Sensor ID #:	126	108	154
Sensor Type:	RC-30	MAS	DCS
Focal Length:	153.21 mm 6”	___	50mm
Film Type:	Aerochrome IR SO-134	___	___
Filtration:	Wratten 12 +2.2AV	___	___
Spectral Band:	510-900 nm	___	___
f-Stop:	8	___	___
Shutter Speed:	1/300	___	___
# of Frames:	51	___	___
% Overlap:	60	___	___
Quality:	Excellent	___	Fair
Remarks:	Subtract 62 seconds for correct UTC		

CAMERA FLIGHT LINE DATA
FLIGHT NO. 04-942

Accession # 05805

Sensor # 126

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	1078-1083	18:47:54	18:52:38	65600/20000	clear
C - D	1084-1089	19:03:06	19:07:48	65200/19880	minor cumulus frame 1084
B - E	1090-1094	19:11:44	19:15:29	65200/19880	clear
F - G	1095-1105	19:39:51	19:49:09	65400/19940	clear
H - I	1106-1117	19:53:44	20:03:59	65300/19910	minor stratus frame 1106
J - K	1118-1128	20:07:58	20:17:16	65500/19970	10 - 40% stratus frames 1125-1128

CAMERA FLIGHT LINE DATA
FLIGHT NO. 04-942

Accession # 05819

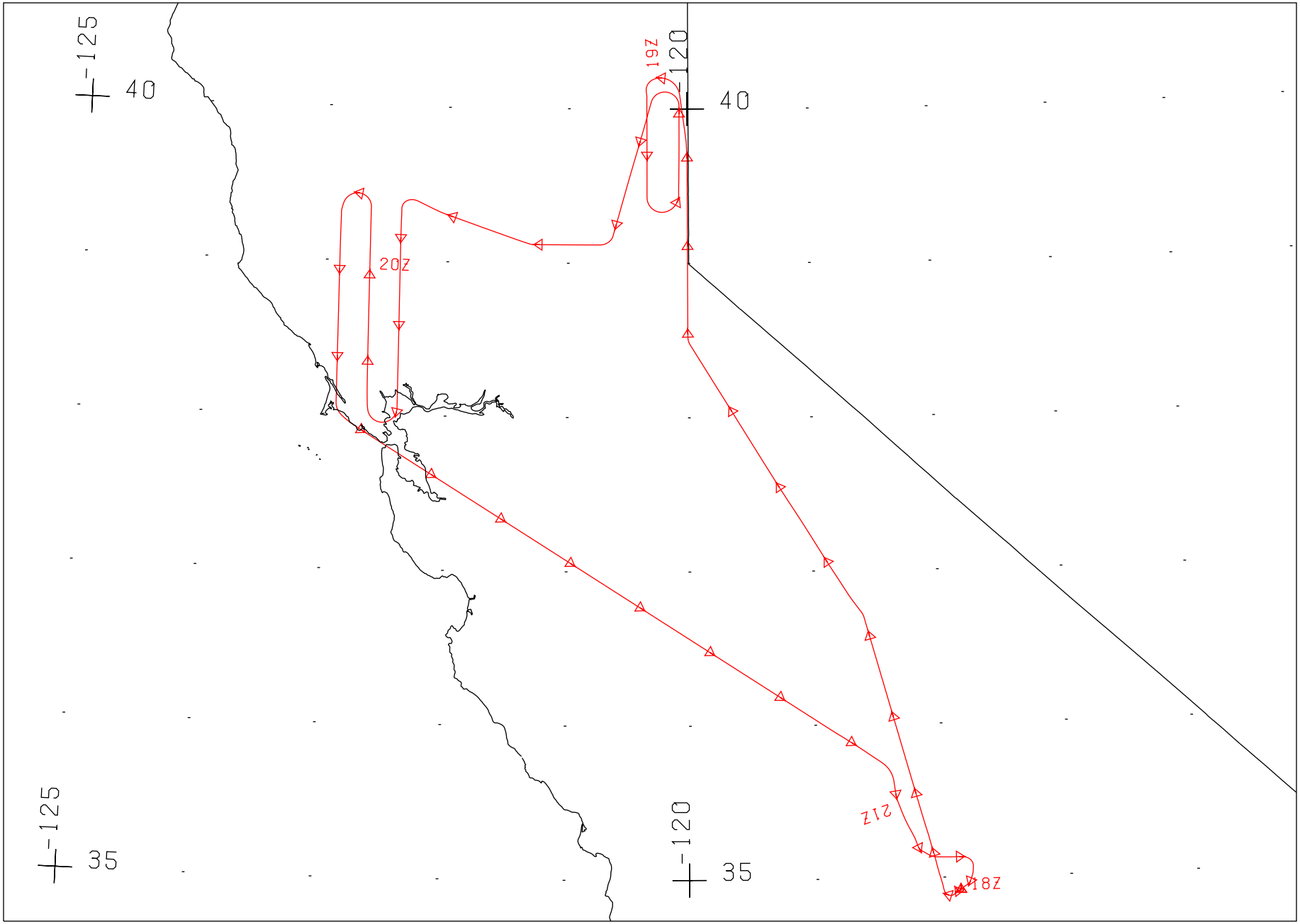
Sensor # 154

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, GPS feet/meters	Flight Direction / Heading
		START	END		
A - B	1810-1819	18:47:17	18:51:44	67000/20430	4° ; north
C - D	1820-1829	19:02:29	19:06:56	66700/20340	178° ; south - frames 1823 and 1824 do not exist
B - E	1830-1838	19:11:05	19:15:03	66600/20300	4° ; north
1 - 2	1839-1843	19:27:35	19:29:34	66700/20340	270° ; west
F - G	1844-1863	19:39:14	19:48:40	66800/20370	179° ; south
H - I	1864-1883	19:53:08	20:02:34	66700/20340	3° ; north
J - K	1884-1903	20:07:21	20:16:47	66900/20400	179° ; south

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 27 Jul 2004
NASA FLIGHT NUMBER 04-942

	START OF FLIGHT LINE					END OF FLIGHT LINE					FLIGHT DATA		
FLTL	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	SCAN LINES	HEAD DEG	ALT M (MSL)
1	18:30:40	37.130	-118.934	27.0	125.9	18:44:13	38.470	-119.978	26.4	131.7	5062	331.6	19608
2	18:44:43	38.525	-119.998	26.4	132.0	18:54:16	39.616	-120.000	25.8	137.7	3563	4.0	19956
3	18:55:48	39.794	-120.008	25.8	138.6	18:58:22	40.088	-120.059	25.7	140.1	957	356.9	19924
4	19:01:33	40.066	-120.334	25.4	141.1	19:07:15	39.431	-120.335	24.3	143.0	2126	178.9	19865
5	19:10:16	39.445	-120.068	23.8	145.1	19:15:12	40.015	-120.067	23.8	148.4	1843	2.9	19875
6	19:17:28	40.039	-120.299	23.7	149.1	19:25:23	39.183	-120.616	22.3	151.8	2958	193.8	19876
7	19:26:25	39.118	-120.731	22.2	152.1	19:29:57	39.118	-121.267	22.1	152.9	1322	270.8	19906
8	19:30:16	39.123	-121.314	22.1	153.0	19:35:11	39.310	-122.020	22.0	154.4	1834	289.7	19929
9	19:38:16	39.311	-122.379	21.9	155.4	19:49:26	38.048	-122.383	19.9	161.2	4171	179.4	19877
10	19:52:22	38.085	-122.628	19.8	162.5	20:03:28	39.340	-122.632	20.6	170.8	4145	2.9	19825
11	20:06:21	39.304	-122.881	20.5	172.0	20:17:13	38.080	-122.885	19.1	179.3	4060	177.6	19942
12	20:18:15	37.983	-122.821	19.0	180.3	20:45:03	36.444	-119.764	19.5	209.0	9999	127.6	19951

NUMBER OF FILES FOR THIS FLIGHT = 12
TOTAL NUMBER OF SCAN LINES = 42040
DATE THESE FILES WERE PROCESSED = 29-Nov-2004
DATE THIS LIST WAS CREATED = Mon Nov 29 14:25:45 PST 2004
GRANULE VERSION = 1



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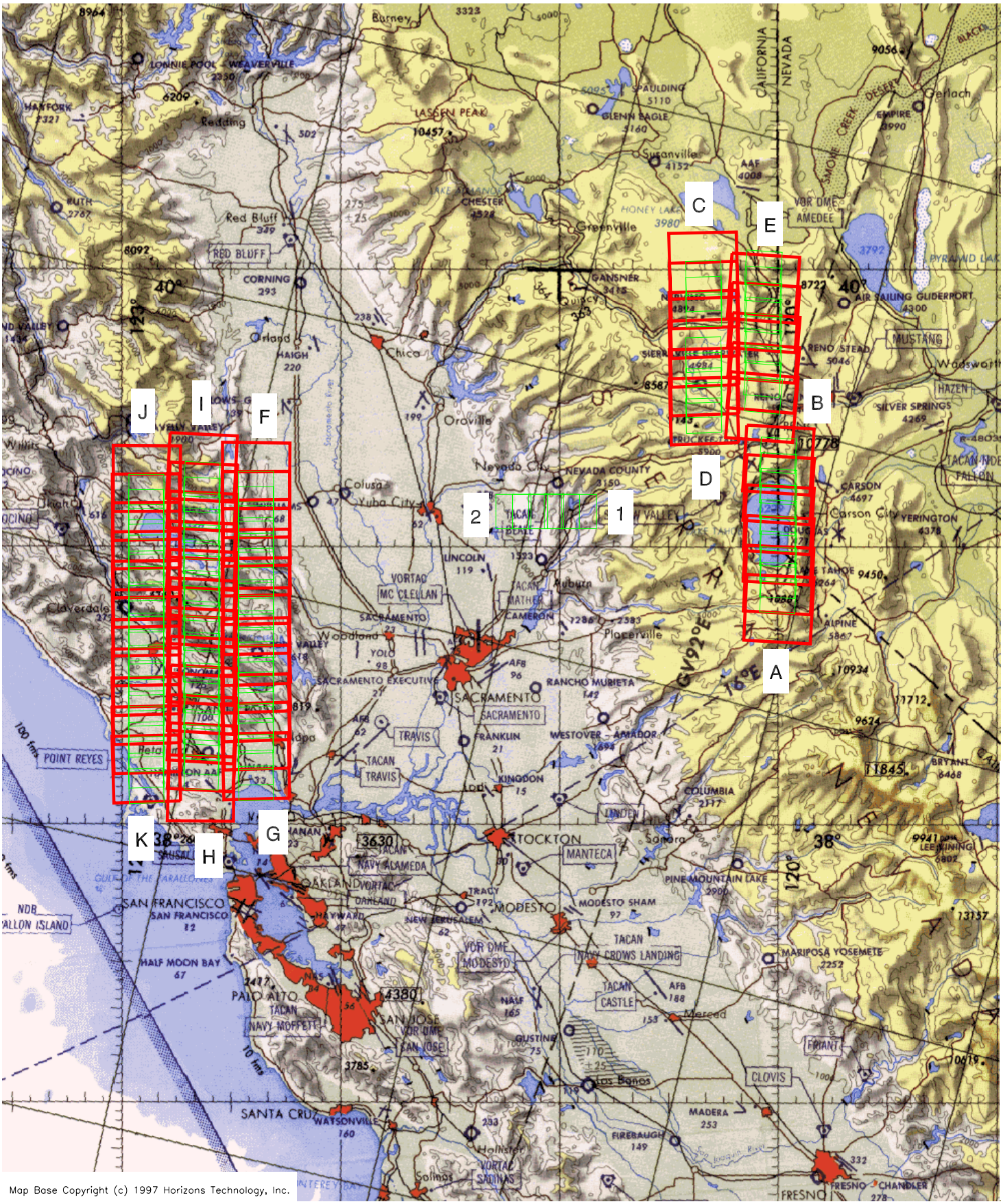

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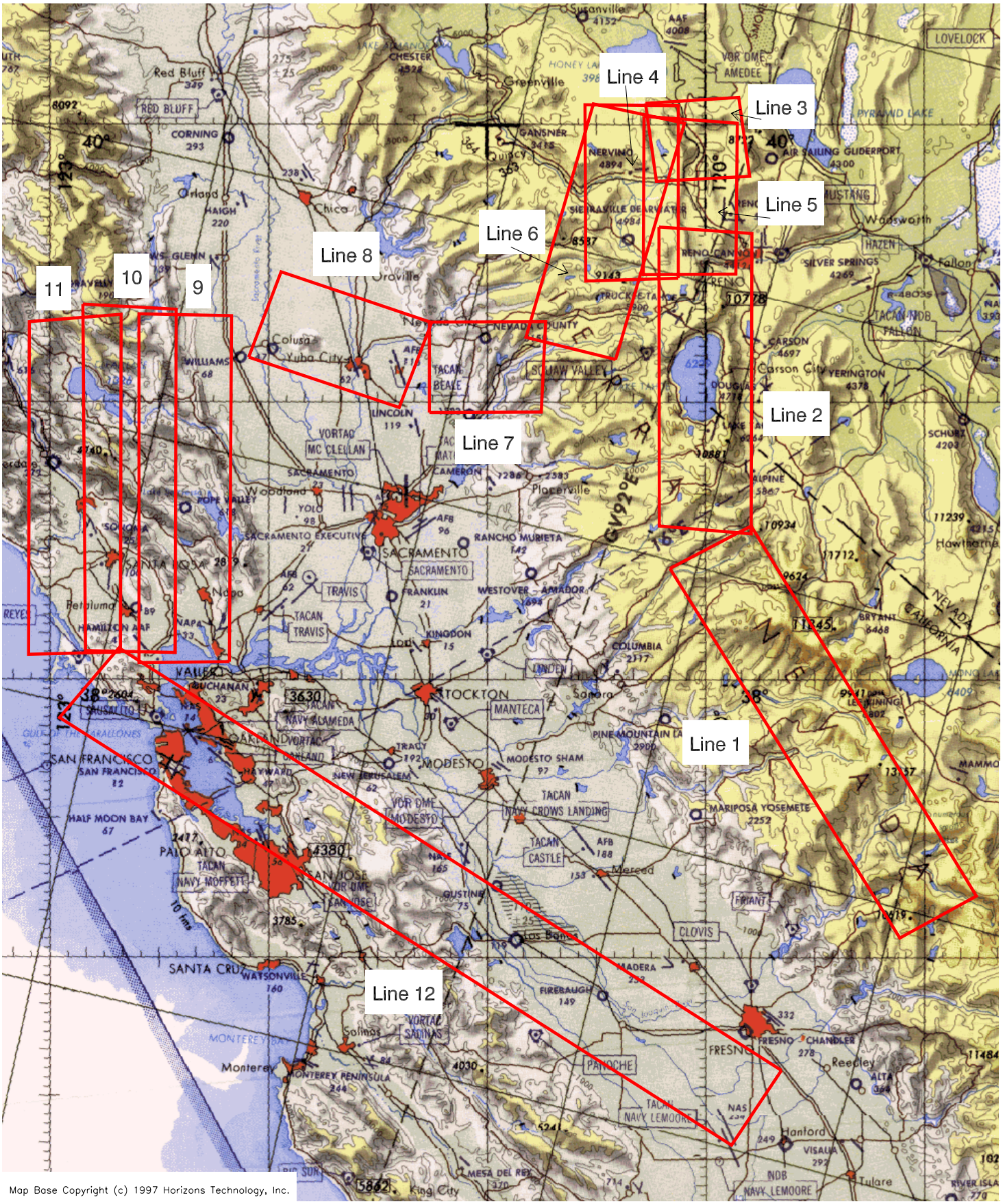

MAS50

A/C 809

27 July 2004

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