FLIGHT SUMMARY REPORT

Flight Number: 04-919

Calendar/Julian Date: 05 April 2004 (096)

Sensor Package: Wild-Heerbrugg RC-10
MODIS Airborne Simulator (MAS)
MODIS/ASTER Airborne Simulator (MASTER)
Scanning High-Resolution Interferometer Sounder (S-HIS)

Area(s) Covered: Sierra Nevada

Investigator(s): Dozier, UCSB; **Aircraft Number:** 809
Painter, National Snow & Ice Data Center

SENSOR DATA

Accession #:	05797	___	___	___
Sensor ID #:	026	108	124	083
Sensor Type:	RC-10	MAS	MASTER	SHIS
Focal Length:	304.97 mm 12”	___	___	___
Film Type:	Aerochrome IR SO-134	___	___	___
Filtration:	Wratten 12	___	___	___
Spectral Band:	510-900 nm	___	___	___
f-Stop:	16	___	___	___
Shutter Speed:	1/375	___	___	___
# of Frames:	38	___	___	___
% Overlap:	60	___	___	___
Quality:	Excellent	___	___	___
Remarks:	Exposure set for snow; subtract 15 seconds for correct UTC			

CAMERA FLIGHT LINE DATA
FLIGHT NO. 04-919

Accession # 05797

Sensor # 026

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	1433-1437	19:00:06	19:01:38	65300/19910	Minor-20% cumulus, frames 1435-1437; smoke throughout
C - D	1438-1450	19:11:42	19:17:04	65600/20000	Minor-10% cumulus, frames 1442-1443; minor-30% cumulus, frames 1448-1450
E - F	1451-1462	19:27:30	19:32:23	65700/20030	10-40% cumulus
G - H	1463-1470	19:45:12	19:48:10	65800/20060	Clear, Tehachapi, CA

MODIS/ASTER AIRBORNE SIMULATOR (MASTER) FLIGHT LINE INFORMATION FOR 05 Apr 2004
NASA FLIGHT NUMBER 04-919-00

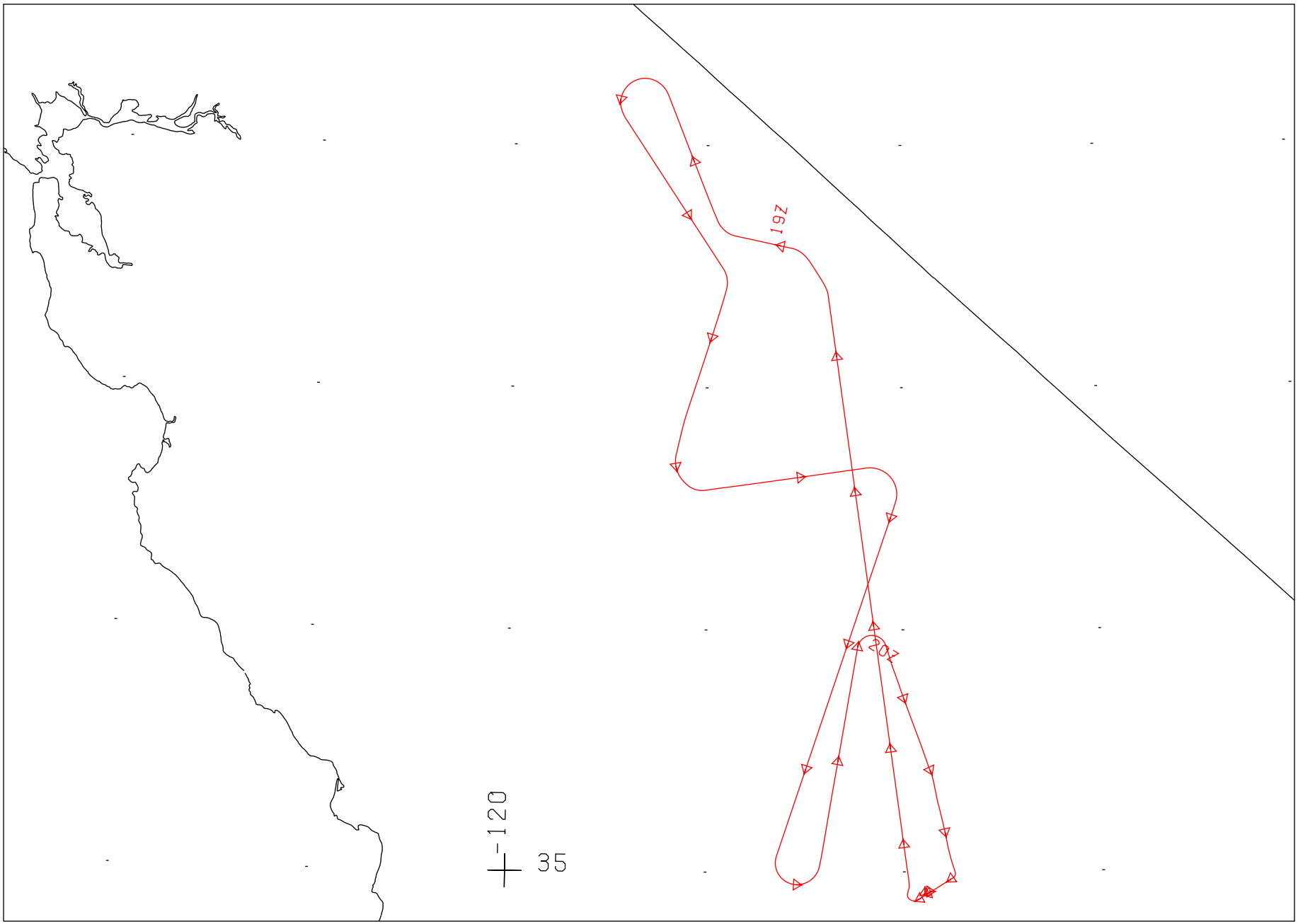
				START OF FLIGHT LINE			END OF FLIGHT LINE			FLIGHT DATA				
FLTL	SITE	LINE	RUN	TIME HH:MM:SS	LAT DEG	LON DEG	TIME HH:MM:SS	LAT DEG	LON DEG	SCAN LINES	SOLAR ZEN	SOLAR AZIM	HEAD DEG	ALT M (MSL)
1	OV1	01	1	18:51:21	36.726	-118.258	18:57:10	37.379	-118.368	2174	33.7	151.6	351.89	18989
2	LC1	01	1	18:59:30	37.577	-118.557	19:01:37	37.627	-118.844	793	33.7	153.9	281.35	19801
3	ML1	01	1	19:02:34	37.691	-118.941	19:07:21	38.194	-119.193	1792	33.8	155.4	338.24	19871
4	SN1	01	1	19:10:40	38.106	-119.419	19:17:10	37.495	-118.913	2424	33.0	159.0	147.30	19837
5	SN2	01	1	19:18:00	37.405	-118.895	19:24:23	36.725	-119.150	2386	31.8	162.1	195.61	19814
6	SN3	01	1	19:26:25	36.577	-118.991	19:32:12	36.669	-118.179	2164	30.8	166.5	81.71	19830
7	LI1	01	1	19:34:10	36.529	-118.027	19:48:11	35.071	-118.634	5237	29.6	172.6	199.40	19875

NUMBER OF FILES FOR THIS FLIGHT = 7
TOTAL NUMBER OF SCAN LINES = 16970
DATE THESE FILES WERE PROCESSED = 26-May-2004
DATE THIS LIST WAS CREATED = Wed May 26 15:35:39 PDT 2004
GRANULE VERSION = 1

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 05 Apr 2004
NASA FLIGHT NUMBER 04-919

	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	18:51:25	36.732	-118.259	33.6	150.3	18:57:10	37.380	-118.368	33.7	152.9	2154	351.9	18994
2	18:59:30	37.577	-118.557	33.7	153.7	19:01:37	37.627	-118.844	33.7	154.2	793	281.3	19801
3	19:02:33	37.691	-118.941	33.7	154.4	19:07:21	38.193	-119.193	33.9	156.4	1792	338.2	19871
4	19:10:40	38.105	-119.419	33.6	157.3	19:17:10	37.495	-118.913	32.4	160.7	2424	147.2	19837
5	19:18:00	37.405	-118.895	32.3	161.1	19:24:23	36.725	-119.150	31.3	163.2	2387	195.6	19814
6	19:26:25	36.577	-118.991	31.0	164.4	19:32:12	36.669	-118.179	30.7	168.7	2165	81.7	19829
7	19:34:10	36.529	-118.027	30.4	169.9	19:48:11	35.071	-118.634	28.7	175.4	5240	199.4	19875

NUMBER OF FILES FOR THIS FLIGHT = 7
TOTAL NUMBER OF SCAN LINES = 16955
DATE THESE FILES WERE PROCESSED = 07-May-2004
DATE THIS LIST WAS CREATED = Fri May 7 14:45:04 PDT 2004
GRANULE VERSION = 1



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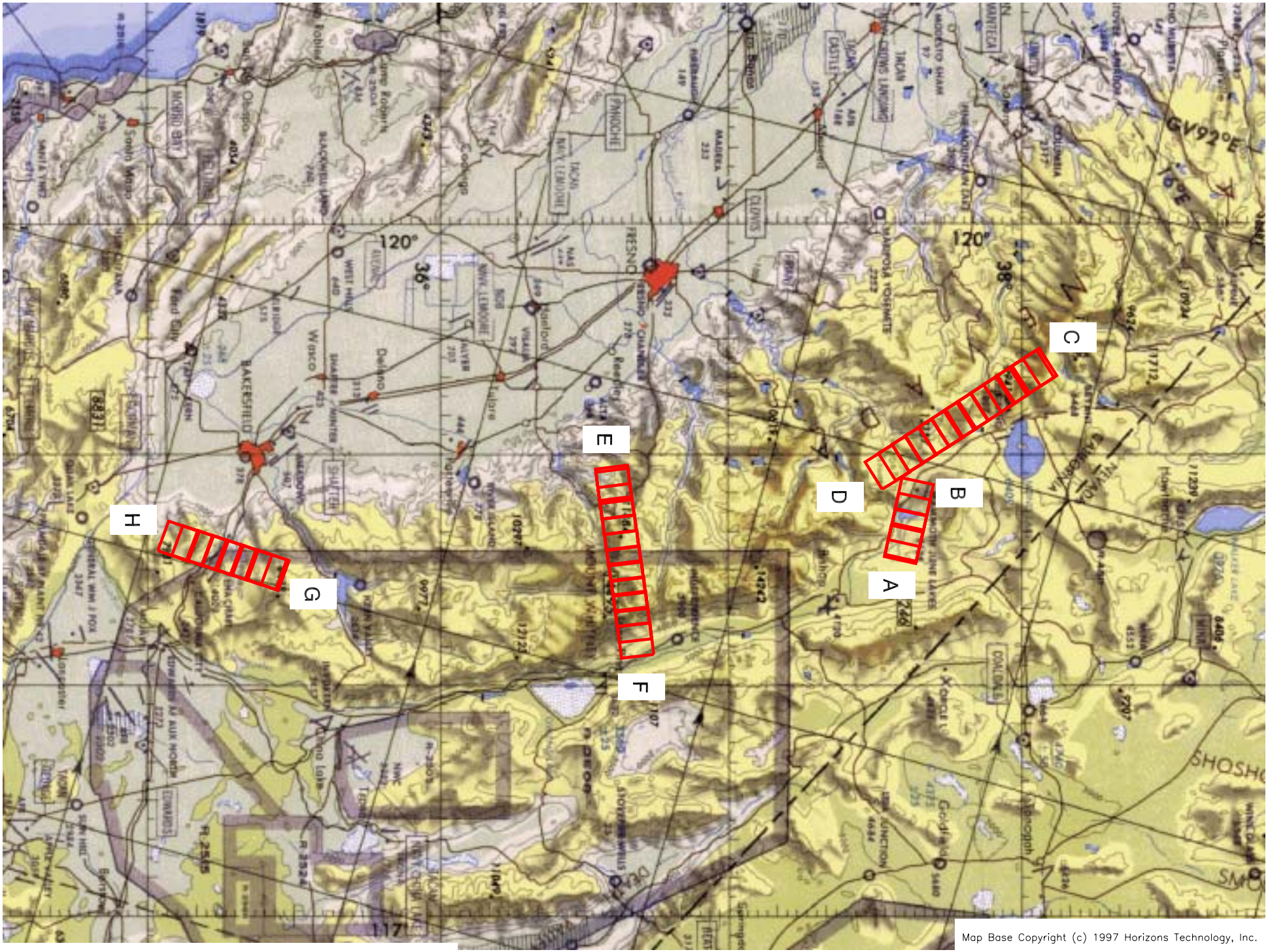
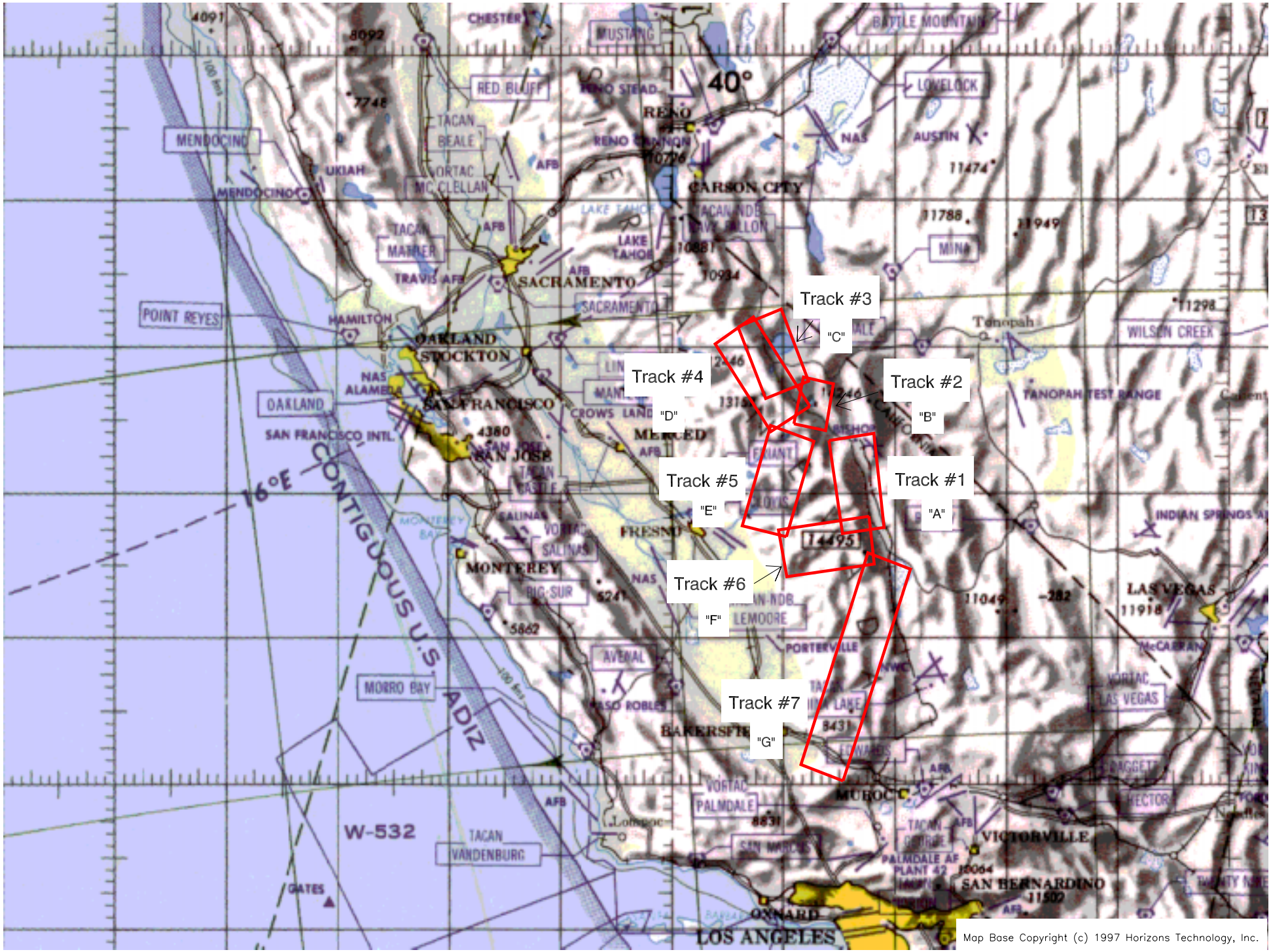


Flight 04-919 5 April 2004 A/C 809 RC-10



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