FLIGHT SUMMARY REPORT

Flight Number: 00-013

Calendar/Julian Date: 25 October 1999 • 298

Sensor Package: Wild Heerbrugg RC-10
Hycon HR-732
Thematic Mapper Simulator (TMS)
Modis Airborne Simulator (MAS)

Area(s) Covered: San Francisco Bay Area/Mono Lake

Investigator(s): Posley, State of CA Farmland Mapping Program **Aircraft #:** 806

SENSOR DATA

Accession #:	05427	05428	-----	-----
Sensor ID #:	033	009	128	108
Sensor Type:	RC-10	HR-732	TMS	MAS50
Focal Length:	6” 153.17 mm	24” 609 mm	-----	-----
Film Type:	Aerochrome IR SO-060	Aerochrome IR SO-134	-----	-----
Filtration:	Wratten 12 + 2.2 AV	Wratten 12	-----	-----
Spectral Band:	510-900nm	510-900 nm	-----	-----
f Stop:	11	18	-----	-----
Shutter Speed:	1/225	1/250	-----	-----
# of Frames:	80	46	-----	-----
% Overlap:	60	60	-----	-----
Quality:	Good	Good		
Remarks:	Data block unreadable	Subtract 4 seconds for correct UTC		

CAMERA FLIGHT LINE DATA
FLIGHT NO. 00-013

Accession # 05427

Sensor # 033

Check Points	Frame Numbers	Time (UTC-hr, min, sec) START	Time (UTC-hr, min, sec) END	Altitude, MSL feet/meters	Cloud Cover/Remarks
D - E	0122-0128	18:35:10	18:39:03	67500/20574	Minor-10% stratus (frames 0125-0127)
F - G	0129-0136	18:47:11	18:52:58	67000/20422	10-50% coastal stratus (frames 0130-0136)
H - I	0137-0150	18:58:28	19:09:57	67000/20422	10-90% coastal stratus (frames 0137-0142); minor stratus (frames 0145-0147 and 0150)
J - K	0151-0160	19:13:14	19:21:47	67000/20422	Minor stratus (frames 0154-0155); 10-70% coastal stratus (frames 0156-0160)
L - M	0161-0179	19:27:22	19:43:36	67500/20574	10-90% coastal stratus (frames 0161-0168)
N - O	0180-0193	19:47:21	19:59:42	67000/20422	10-90% coastal stratus (frames 0187-0193)
S - T	0194-0197	20:27:01	20:29:52	66500/20269	Clear
U - V	0198-0200	20:32:55	20:34:49	65800/20056	Clear
Y	0201	20:53:52	20:53:52	40400/12314	Clear

CAMERA FLIGHT LINE DATA
FLIGHT NO. 00-013

Accession # 05428

Sensor # 009

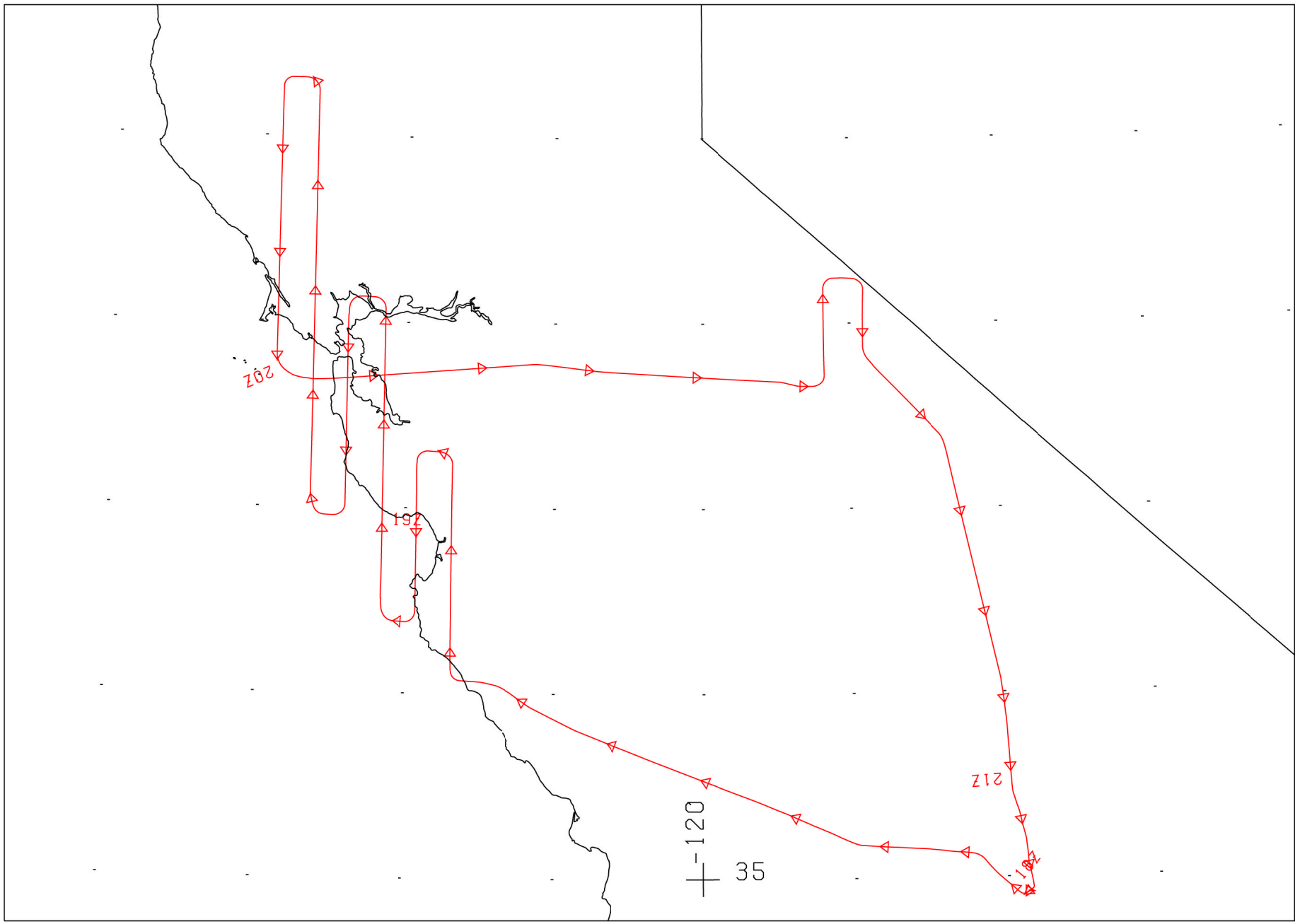
Check Points	Frame Numbers	Time (UTC-hr, min, sec) START	Time (UTC-hr, min, sec) END	Altitude, MSL feet/meters	Cloud Cover/Remarks
C - D	0001-0003	18:34:39	18:35:08	67000/20422	10-30% coastal stratus
H - I	0004-0046	18:58:54	19:08:43	67000/20422	10-70% coastal stratus (frames 0004-0014)

NOTE: CAMERA CLOCK OPERATED IN 12 HOUR MODE. TIME NOTED ABOVE HAS BEEN ADJUSTED BY 12 HOURS.

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 25-OCT-1999 FLIGHT 00-013

	START OF FLIGHT LINE						END OF FLIGHT LINE					
LINE	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	START HEADING	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	SCAN LINES
1	18:16:18	35.387	-119.548	51.7	153.0	290.53	18:33:15	36.070	-121.610	51.6	155.7	6357
2	18:34:09	36.136	-121.680	51.4	156.1	357.75	18:44:01	37.230	-121.681	51.7	159.3	3701
3	18:46:26	37.255	-121.918	51.7	159.3	183.19	18:53:34	36.451	-121.919	50.5	161.3	2676
4	18:56:06	36.467	-122.150	50.3	162.2	355.35	19:10:20	38.067	-122.150	51.1	166.9	5338
5	19:12:55	38.065	-122.398	51.1	167.0	183.58	19:22:15	37.022	-122.401	49.7	169.7	3506
6	19:25:07	37.082	-122.633	49.7	170.8	357.89	19:44:11	39.241	-122.631	51.4	177.0	7151
7	19:46:36	39.263	-122.881	51.4	177.0	179.15	19:59:32	37.822	-122.884	50.0	181.1	4851
8	20:01:36	37.690	-122.673	49.7	182.2	95.78	20:11:56	37.780	-121.150	50.1	187.5	3876
9	20:12:18	37.780	-121.095	50.1	187.6	94.93	20:17:39	37.725	-120.313	50.3	190.3	2007
10	20:17:45	37.724	-120.299	50.3	190.4	93.62	20:24:55	37.661	-119.253	50.7	193.9	2689
11	20:25:49	37.719	-119.165	51.0	194.5	354.91	20:29:59	38.181	-119.167	51.7	195.7	1564
12	20:32:27	38.181	-118.895	51.8	196.3	187.10	20:35:09	37.879	-118.902	51.6	197.2	1013
13	20:35:53	37.801	-118.865	51.5	197.6	140.57	20:40:33	37.405	-118.401	51.6	199.6	1756
14	20:41:12	37.341	-118.358	51.6	199.8	166.21	20:45:52	36.823	-118.217	51.5	201.5	1751

NUMBER OF FILES FOR THIS FLIGHT = 14
TOTAL NUMBER OF SCAN LINES = 48236
DATE THESE FILES WERE PROCESSED = 09-Jun-00
DATE THIS LIST WAS CREATED = 12-Jun-00
GRANULE VERSION = 9



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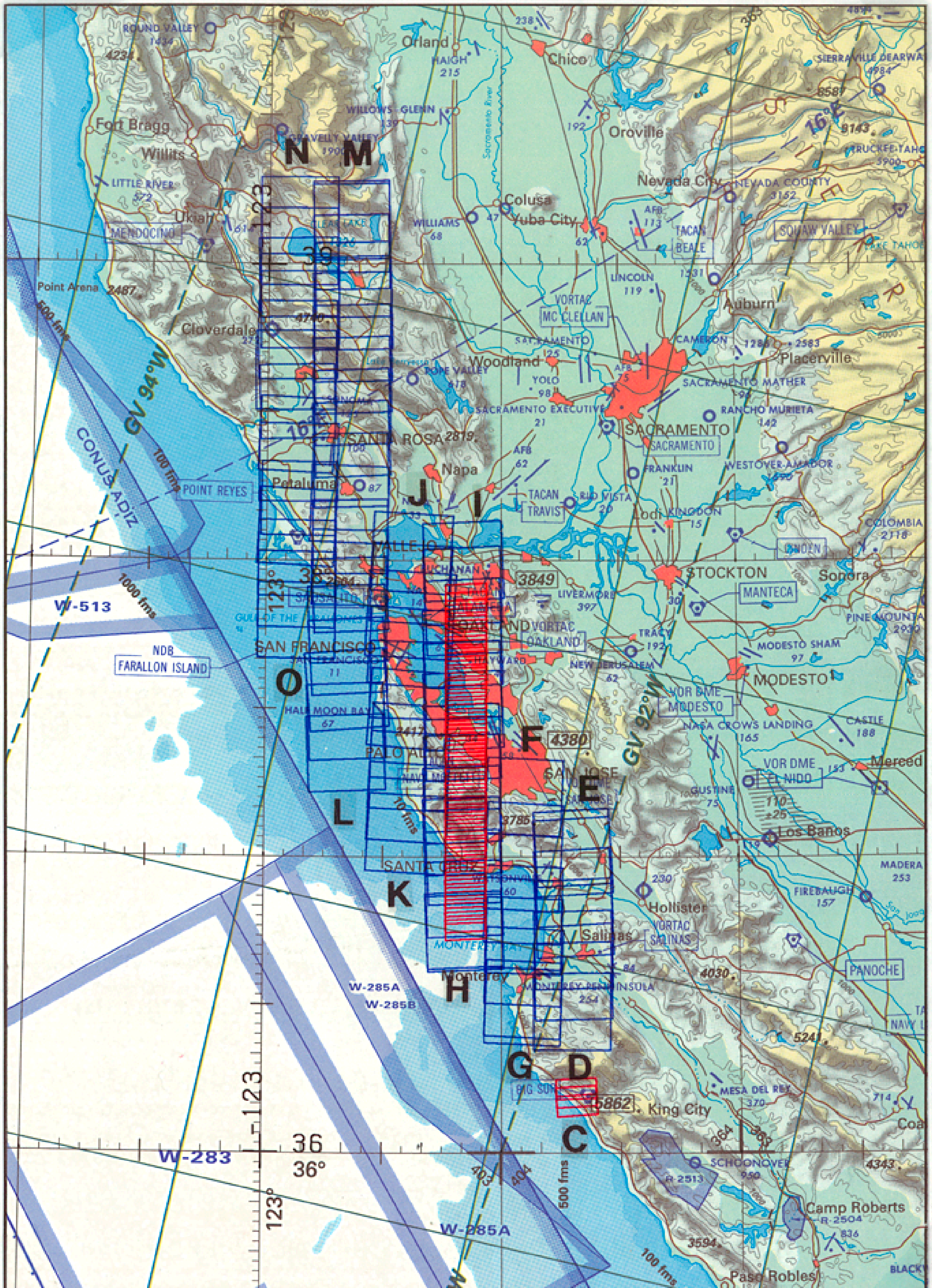

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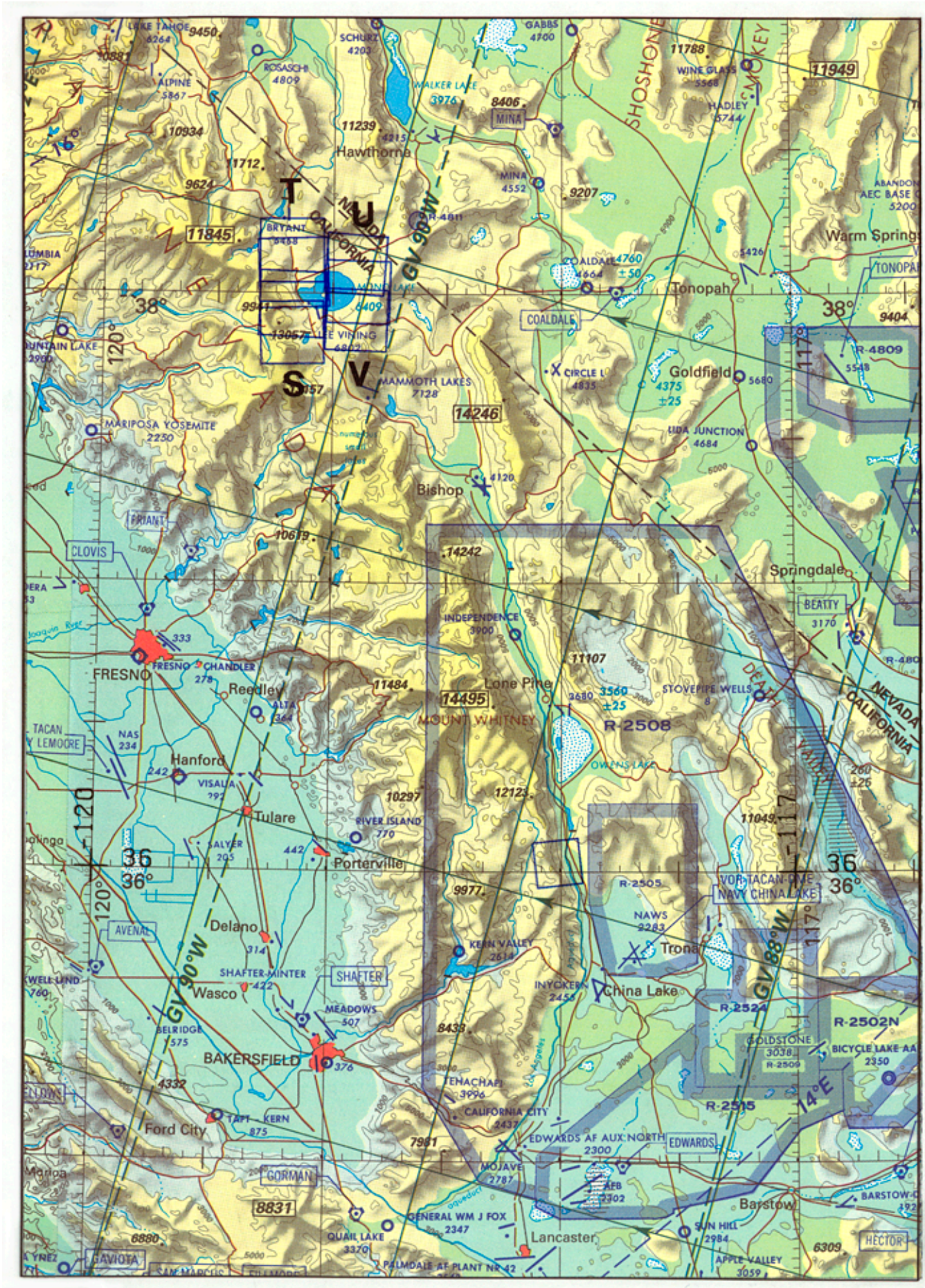

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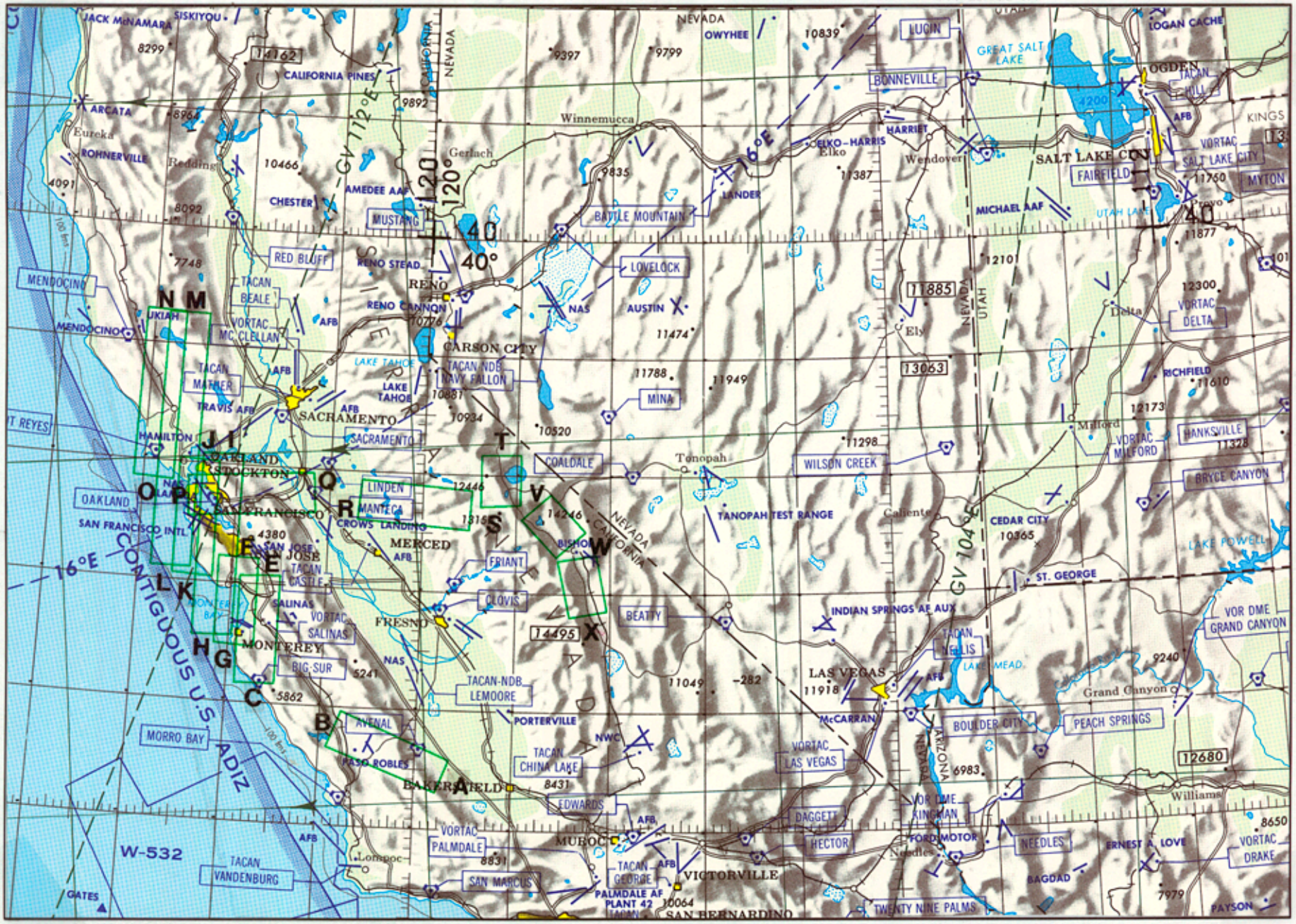

FLIGHT 00-013 25 OCTOBER 1999 A/C 806 TMS (2.5MRAD FOV) GNC 2