FLIGHT SUMMARY REPORT

Flight Number: 04-953

Calendar/Julian Date: 25 August 2004(238)

Sensor Package: Wild-Heerbrugg RC-10
Airborne Visible-Infrared Imaging Spectrometer (AVIRIS)
MODIS Airborne Simulator (MAS)

Area(s) Covered: Arizona / Mexico

Investigator(s): Hunt, US Department of Agriculture **Aircraft Number:** 809

SENSOR DATA

Accession #:	05815	___	___
Sensor ID #:	034	099	108
Sensor Type:	RC-10	AVIRIS	MAS
Focal Length:	304.66 mm 12”	___	___
Film Type:	Aerochrome MS 2427	___	___
Filtration:	HF3	___	___
Spectral Band:	415-700 nm	___	___
f-Stop:	11	___	___
Shutter Speed:	1/250	___	___
# of Frames:	205	___	___
% Overlap:	60	___	___
Quality:	Excellent	___	___

Remarks:

CAMERA FLIGHT LINE DATA
FLIGHT NO. 04-953

Accession # 05815

Sensor # 034

Check Points	Frame Numbers	Time (GMT-hr, min, sec) START	Time (GMT-hr, min, sec) END	Altitude, MSL feet/meters	Cloud Cover/Remarks
A - B	7302-7315	19:23:13	19:29:21	65100/19850	minor - 20% cumulus frames 7307-7315
C - D	7316-7331	19:34:17	19:41:00	65000/19820	10 - 30% cumulus frames 7320-7326
E - F	7332-7347	19:46:17	19:53:24	65200/19880	minor - 20% cumulus
G - H	7348-7363	20:00:14	20:06:57	65100/19850	minor - 40% cumulus frames 7348-7353; 10% cumulus frames 7358-7362
I - J	7364-7380	20:12:35	20:19:47	65400/19940	10 - 60% cumulus frames 7372-7380
K - L	7381-7395	20:25:14	20:31:53	65400/19940	20 - 40% cumulus frames 7381-7385; 10% cumulus frames 7390-7393
M - N	7396-7411	20:39:16	20:45:59	65200/19880	clear
O - P	7412-7427	20:50:32	14:56:08	64900/19790	minor - 10% cumulus frames 7415-7419
Q - R	7428-7443	21:02:53	21:09:36	65200/19880	clear

CAMERA FLIGHT LINE DATA
FLIGHT NO. 04-953

Accession # 05815

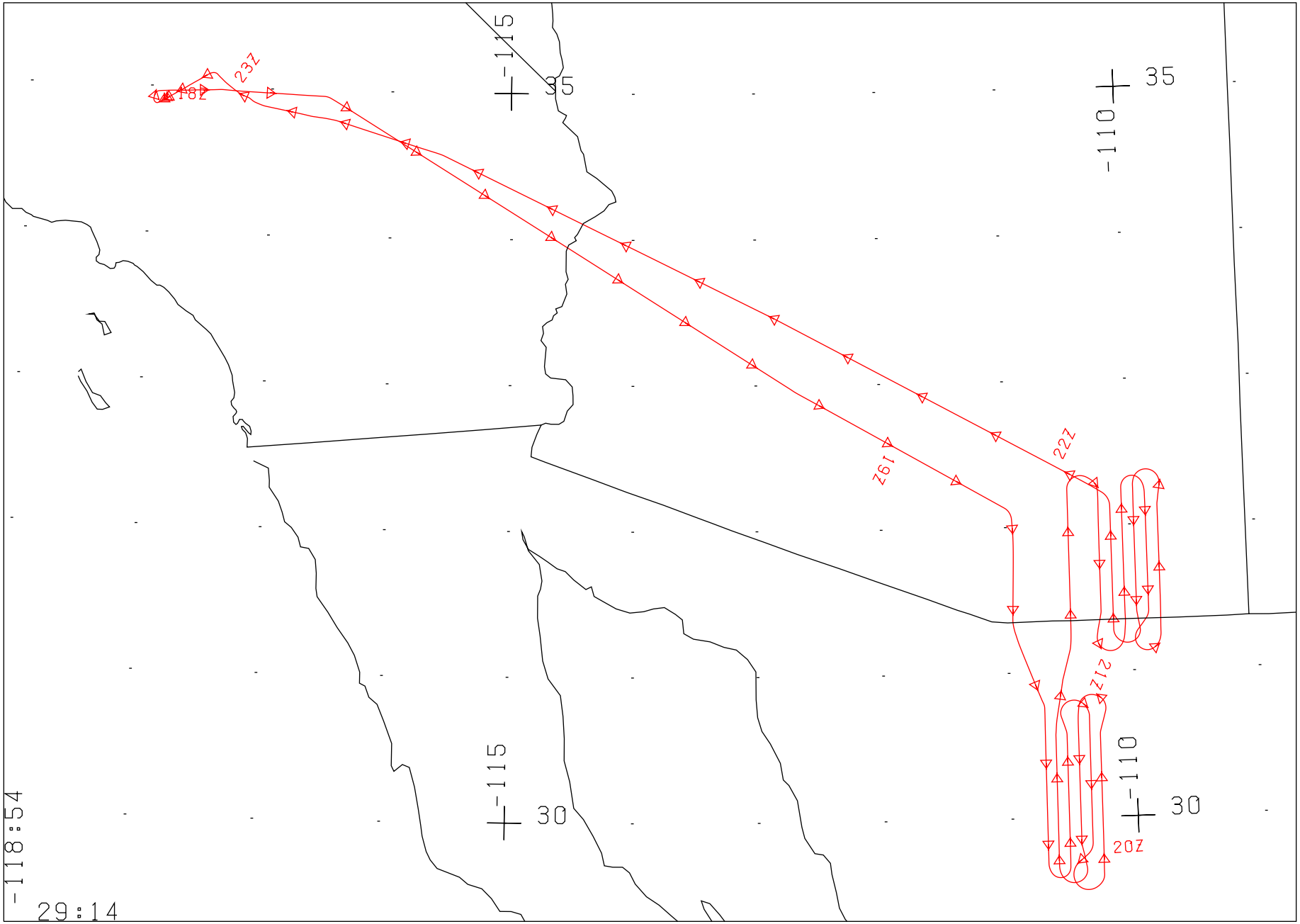
Sensor # 034

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
S - T	7444-7459	21:13:38	21:20:22	65400/19940	minor cumulus frames 7447-7448
U - V	7460-7475	21:26:21	21:33:04	65000/19820	minor cumulus frames 7473-7475
W - X	7476-7491	21:38:02	21:44:45	65100/19850	clear
Y - Z	7492-7506	21:49:27	21:56:05	65500/19970	minor cumulus frmaes 7502-7503

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 25 Aug 2004
NASA FLIGHT NUMBER 04-953

	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	18:25:19	34.568	-115.740	30.2	138.3	18:52:05	33.012	-112.777	24.5	155.0	9999	123.8	19292
2	18:52:50	32.968	-112.698	24.4	155.6	19:08:19	32.135	-110.997	22.1	168.4	5784	123.0	19898
3	19:09:14	32.055	-110.939	22.0	169.1	19:15:25	31.367	-110.949	21.1	172.9	2310	178.2	19775
4	20:40:10	31.463	-110.485	27.5	224.1	20:47:03	32.248	-110.485	29.1	225.9	2579	3.7	19858
5	20:50:05	32.224	-110.240	29.7	227.5	20:57:22	31.414	-110.240	30.3	231.3	2723	178.9	19781
6	21:02:54	31.361	-110.048	31.4	233.5	21:10:40	32.248	-110.050	33.2	234.9	2904	2.7	19872
7	21:13:19	32.209	-109.860	33.8	236.1	21:20:36	31.413	-109.860	34.7	239.2	2722	179.2	19903
8	21:25:24	31.255	-109.766	35.6	240.9	21:33:07	32.124	-109.763	37.4	241.9	2881	2.8	19809
9	21:37:11	32.262	-109.955	38.1	242.6	21:44:52	31.414	-109.955	39.2	245.5	2877	179.2	19864
10	21:48:40	31.285	-110.145	39.7	246.3	21:56:03	32.126	-110.144	41.5	247.1	2760	3.7	19941
11	21:57:04	32.225	-110.208	41.7	247.2	22:23:49	33.698	-113.403	45.0	248.8	9999	299.8	19969
12	22:23:50	33.698	-113.403	45.0	248.8	22:38:18	34.416	-115.168	46.7	249.7	5408	296.2	19858

NUMBER OF FILES FOR THIS FLIGHT = 12
TOTAL NUMBER OF SCAN LINES = 52946
DATE THESE FILES WERE PROCESSED = 07-Dec-2004
DATE THIS LIST WAS CREATED = Wed Dec 8 12:43:44 PST 2004
GRANULE VERSION = 1



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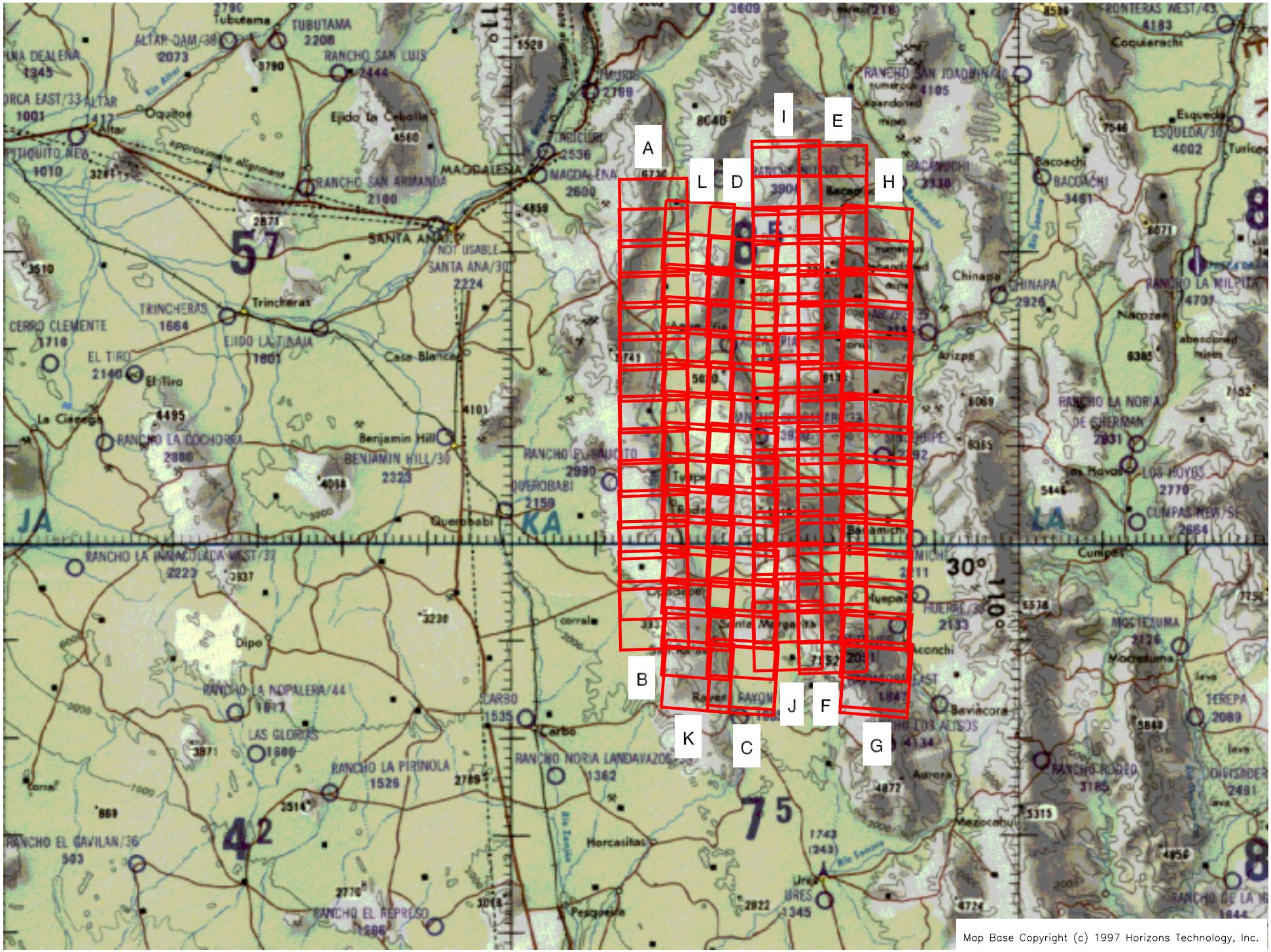

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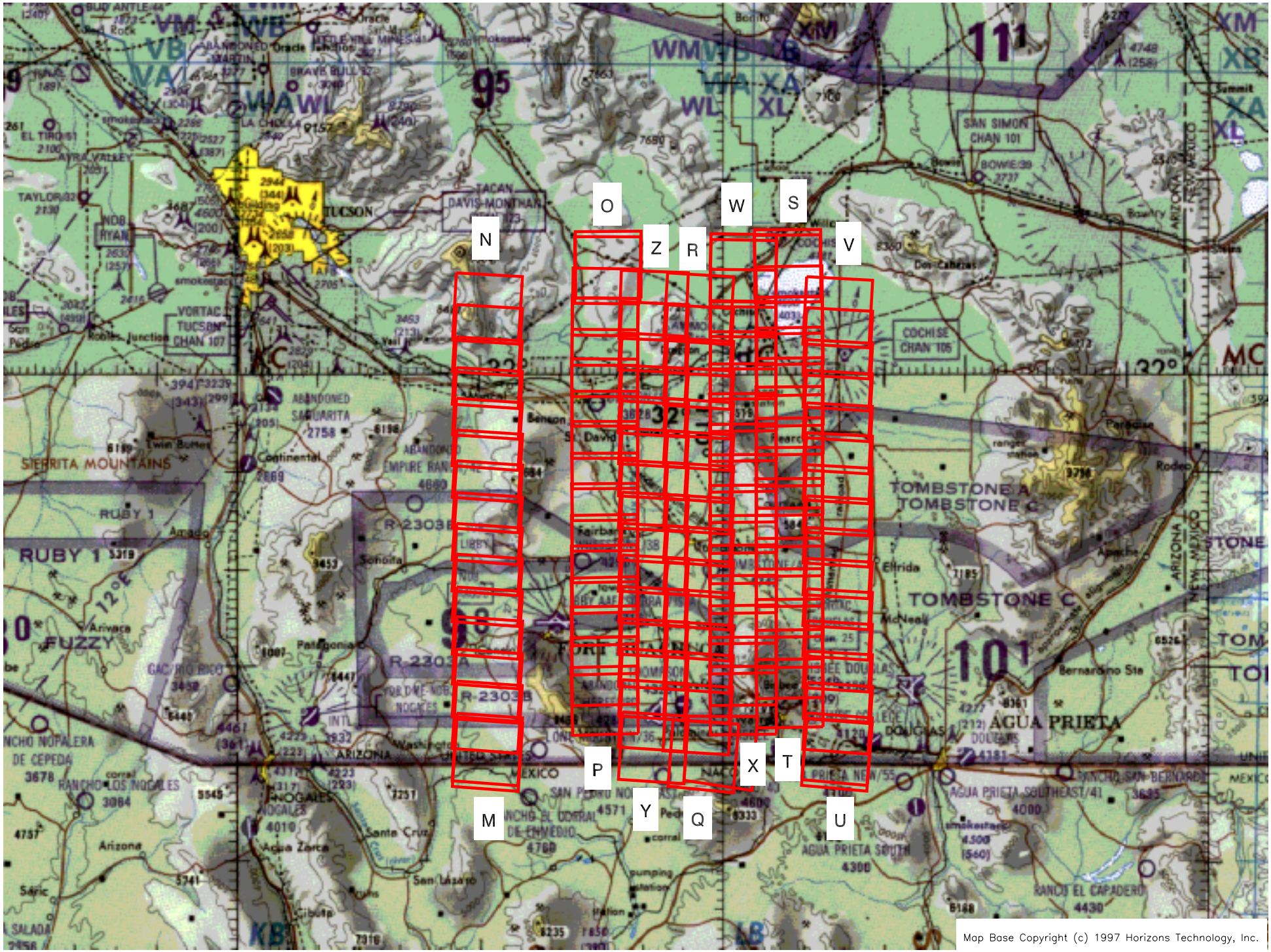

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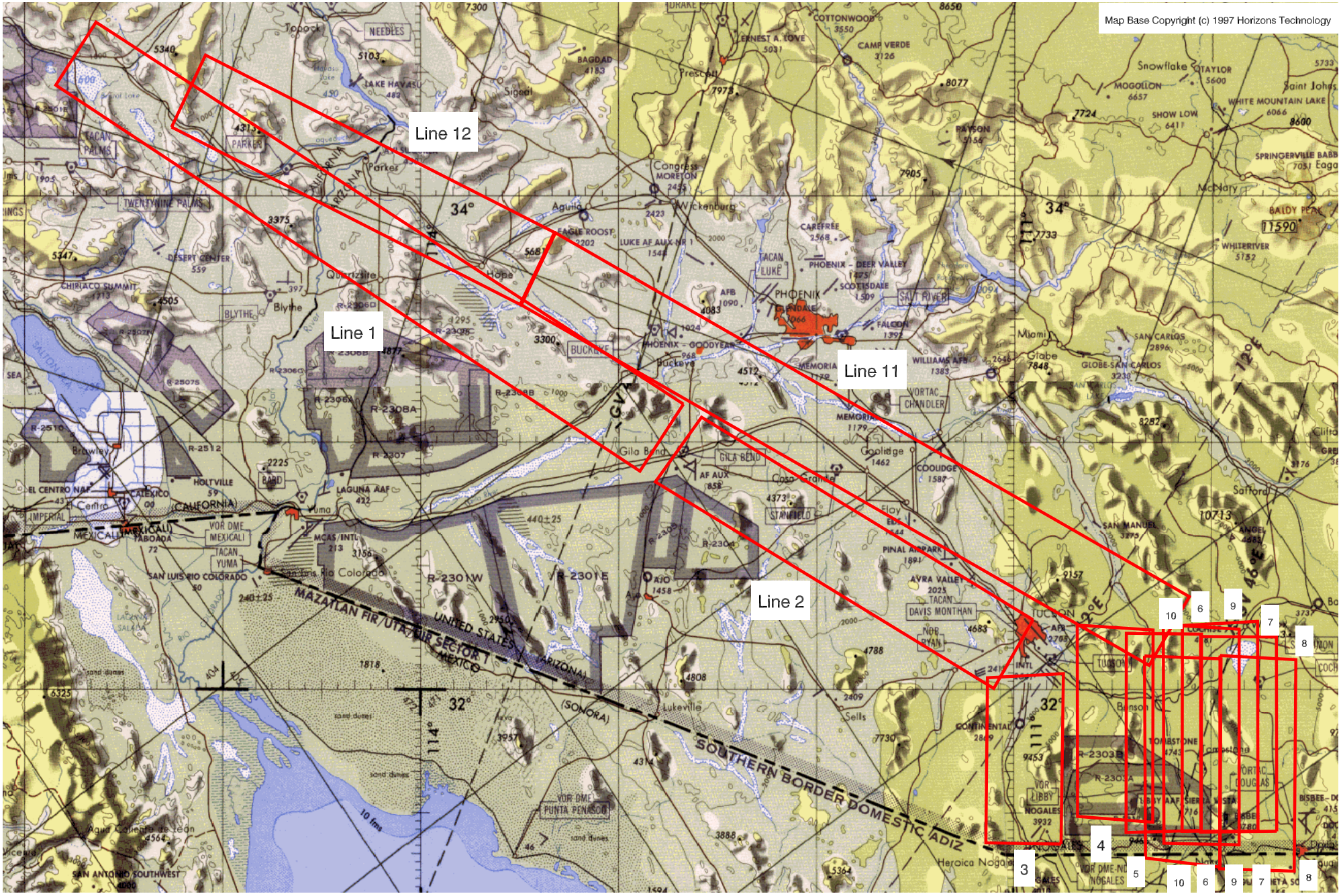

Flight 04-953 25 August 2004 A/C 809 MAS-50