FLIGHT SUMMARY REPORT

Flight Number: 00-002

Calendar/Julian Date: 03 October 1999 • 276

Sensor Package: Wild Heerbrugg RC-10 (12" and 6")
Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)
Thematic Mapper Simulator (TMS)

Area(s) Covered: Lynx Creek, AZ; Southern California

Investigator(s): van den Bosch, SAIC; Gamon, CSU Los Angeles; Green, JPL **Aircraft #:** 806

SENSOR DATA

Accession #:	05410	05411	-----	-----
Sensor ID #:	034	035	099	074
Sensor Type:	RC-10	RC-10	AVIRIS	TMS
Focal Length:	12" 304.66 mm	6" 153.46 mm	-----	-----
Film Type:	Aerochrome IR SO-060	Aerochrome IR SO-134	-----	-----
Filtration:	Wratten 12	Wratten 12 + 2.2 AV	-----	-----
Spectral Band:	510-900nm	510-900 nm	-----	-----
f Stop:	11	8	-----	-----
Shutter Speed:	1/275	1/275	-----	-----
# of Frames:	122	8	-----	-----
% Overlap:	60	60	-----	-----
Quality:	Excellent	Good	-----	Fair
Remarks:	Add 11 seconds for correct UTC	Data block unreadable		

CAMERA FLIGHT LINE DATA
FLIGHT NO. 00-002

Accession # 05410

Sensor # 034

Check Points	Frame Numbers	Time (UTC-hr, min, se START	Time (UTC-hr, min, se END	Altitude, MSL feet/meters	Cloud Cover/Remarks
C - D	3592-3600	17:44:57	17:48:26	65500/19965	Clear
G - H	3601-3608	17:57:43	18:00:59	65000/19812	Clear
L - M	3609-3614	18:40:42	18:42:37	65000/19812	Clear
N - O	3615-3618	18:55:57	18:56:57	65500/19965	Clear
P - Q	3619-3624	19:03:50	19:05:45	65500/19965	Clear
R - S	3625-3633	19:12:41	19:15:58	65500/19965	Clear
P - M	3634-3640	19:36:32	19:38:54	65000/19812	10-40% smoke (frames 3636-3639)
___	3641-3643	19:39:21	19:40:16	65000/19812	Oblique frames; 10% smoke (frames 3642-364
T - U	3644-3651	19:41:56	19:44:45	65000/19812	Clear
___	3652-3659	19:45:13	19:48:25	65000/19812	Oblique frames; 10-30 cumulus (frames 365 3656)
P - M	3660-3671	19:49:40	19:54:19	65500/19965	10-40% smoke (frames 3665-3670)

CAMERA FLIGHT LINE DATA
FLIGHT NO. 00-002

Accession # 05410

Sensor # 034

Check Points	Frame Numbers	Time (UTC-hr, min, se START	Time (UTC-hr, min, se END	Altitude, MSL feet/meters	Cloud Cover/Remarks
L - M	3672-3678	19:59:43	20:02:05	66000/20117	10% smoke (frames 3677-3678)
T - V	3679-3685	20:07:53	20:10:15	66000/20117	10-40% smoke (frames 3679-3684)
W - N	3686-3691	20:16:41	20:18:35	66000/20117	Clear
P - Q	3692-3698	20:24:20	20:26:28	65500/19965	Clear
X - Y	3699-3713	20:34:57	20:40:30	65500/19965	Clear

CAMERA FLIGHT LINE DATA
FLIGHT NO. 00-002

Accession # 05411

Sensor # 035

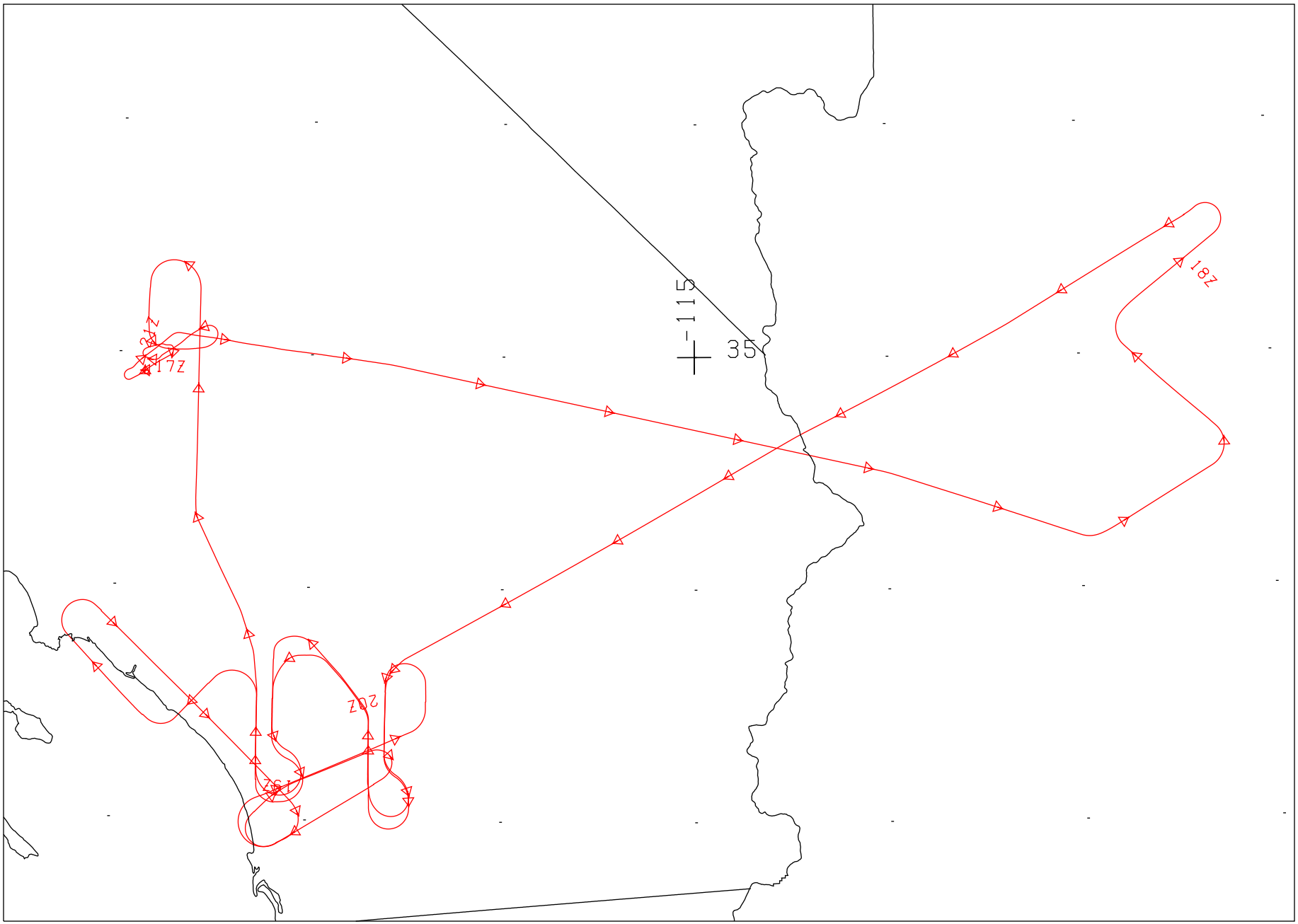
Check Points	Frame Numbers	Time (UTC-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
X - Y	0094-0101	20:35:08	20:40:55	65500/19965	Clear; light leak, affects area above right center fiducial

DAEDALUS FLIGHT DATA
FLIGHT NUMBER: 00-002

Check Points	Actual time (GMT) begin	end	Actual scanline begin	end	Altitude feet/meter	ground speed knots/mps	Scan Speed (rps)	total Good scanlines	total Interpolated scanlines	total Repeated scanlines
A-B	17:36:00.0	17:43:05.0	34366	39686	66567/20290	433/217	12.50	5321	0	0
C-D	17:44:44.0	17:48:45.0	40916	43926	65461/19953	424/213	12.50	3011	0	0
E-F	17:51:07.0	17:55:29.0	45706	48986	65023/19819	395/198	12.50	3281	0	0
G-H	17:57:40.0	18:01:26.0	50616	53446	64870/19772	422/212	12.50	2831	0	0
I-J	18:04:21.0	18:12:13.0	55636	61526	64924/19789	404/203	12.50	5891	0	0
J-K	18:12:26.0	18:21:17.0	61696	68336	65500/19964	410/206	12.50	6641	0	0
K-L	18:21:57.0	18:39:01.0	68826	81626	65581/19989	414/208	12.50	12801	0	0
L-M	18:40:46.0	18:42:55.0	82946	84556	65071/19834	422/212	12.50	1611	0	0
N-O	18:56:43.0	18:57:44.0	94906	95666	65948/20101	415/208	12.50	761	0	0
P-Q	19:03:01.0	19:05:59.0	99636	101856	65749/20040	412/207	12.50	2221	0	0
R-S	19:12:22.0	19:16:14.0	106646	109546	65860/20074	408/205	12.50	2901	0	0
P-M	19:36:20.0	19:38:38.0	124616	126336	65089/19839	411/206	12.50	1721	0	0
T-U	19:40:50.0	19:45:18.0	127986	131336	64989/19809	414/208	12.50	3351	0	0
P-M	19:49:09.0	19:54:29.0	134226	138226	65392/19931	409/205	12.50	4001	0	0
L-M	19:59:46.0	20:02:22.0	142186	144146	65875/20079	420/211	12.50	1961	0	0
T-V	20:07:46.0	20:10:31.0	148186	150256	66155/20164	407/204	12.50	2071	0	0
W-N	20:16:48.0	20:18:57.0	154966	156576	66232/20188	426/214	12.50	1611	0	0

P-Q	20:24:22.0	20:26:55.0	160636	162556	65504/19966	408/205	12.50	1921	0	0

Note: Channels 1 and 8 geographically offset from all other bands.



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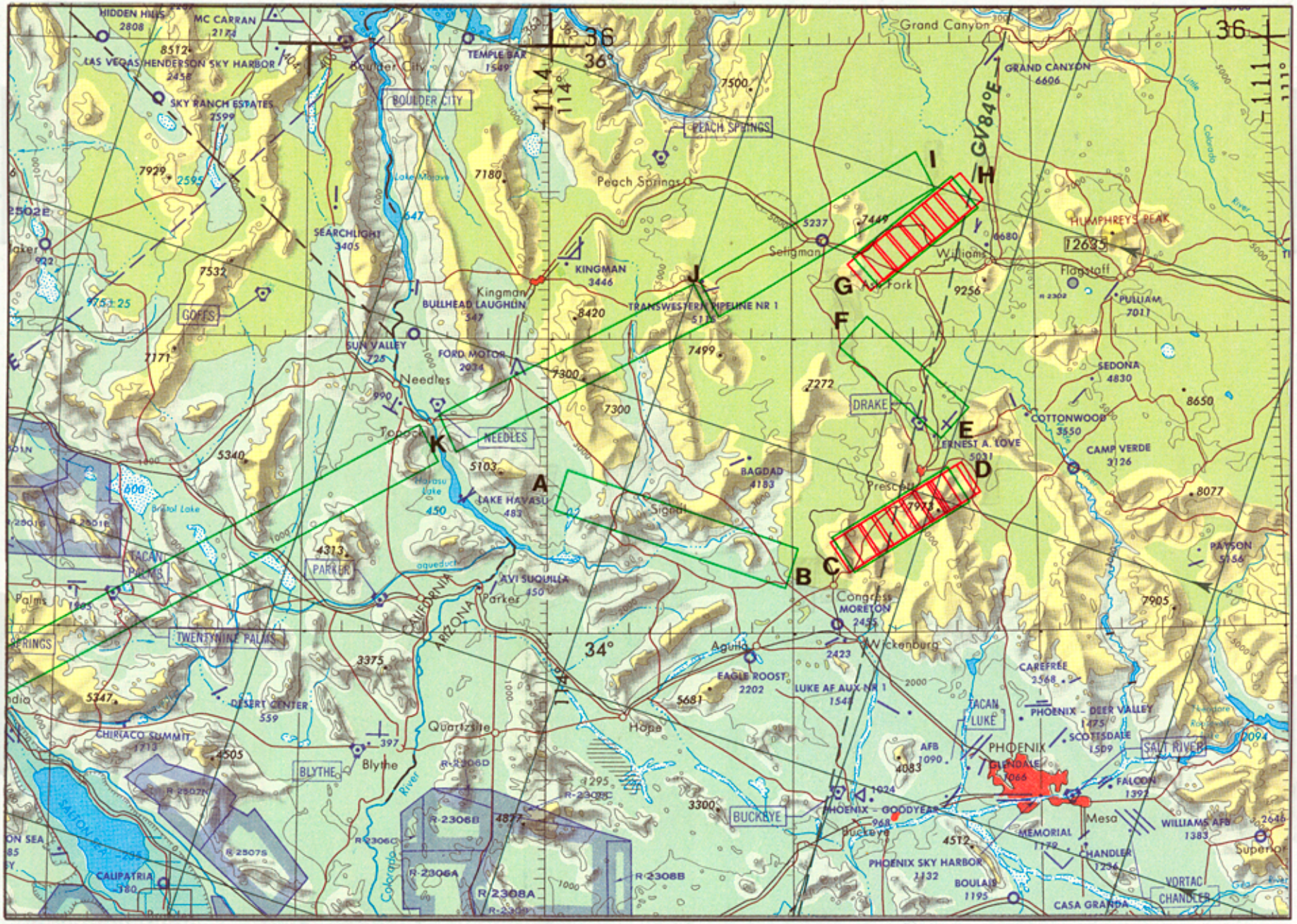

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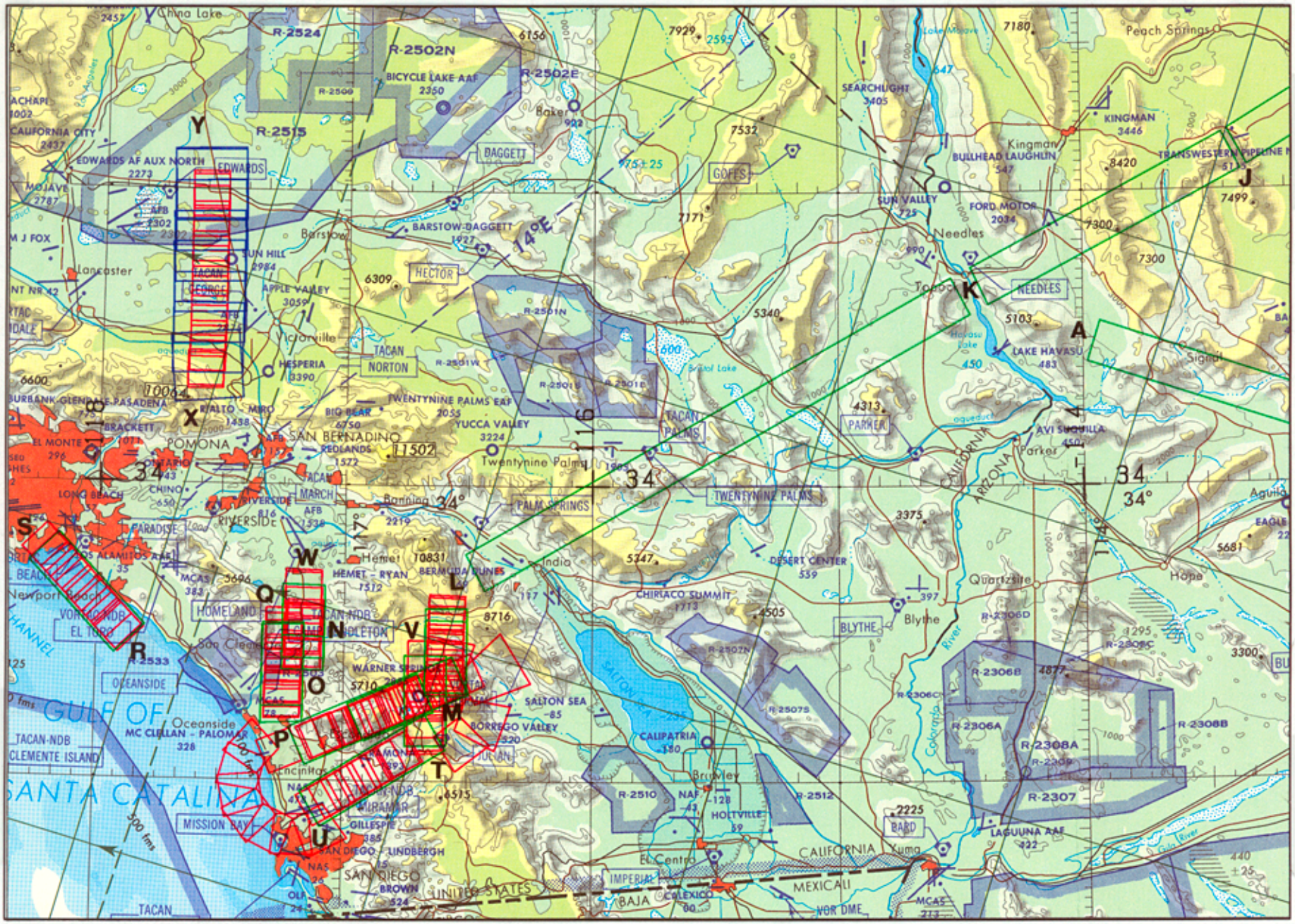

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