

Airborne Instrumentation Research Project

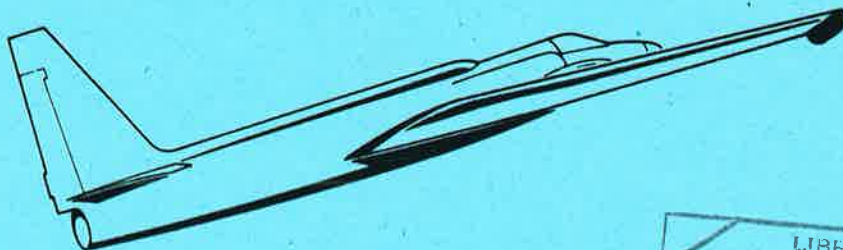
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Flight Summary Report

Flight No. 86-090

Date 2 April 1986

FSR-



NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 86-090

Date: 2 April 1986

Julian Date: 092

Sensor Package: Itek Iris II Panoramic Camera
RC-10 Camera

Aircraft No: 706

Purpose of Flight: #1095 Support
Requestor: Brass

Area(s) Covered: Central Valley/Modoc Plateau
and Northwest California

SENSOR DATA

Accession No:	03561	03562
Sensor ID No:	070	035
Sensor Type:	Iris II	RC-10
Focal Length:	24" 609.6mm	6" 153.46mm
Film Type:	High Definition Aerial 3414	High Definition Aerochrome Infrared, SO-131
Filtration:	Wratten 12	2.2AV
Spectral Band:	510-700nm	510-900nm
f Stop:	3.5	4
Shutter Speed:	1/175	1/100
No. of Frames:	119	109
% Overlap:	60	60
Quality:	Excellent	Excellent
Remarks:		

FLIGHT SUMMARY

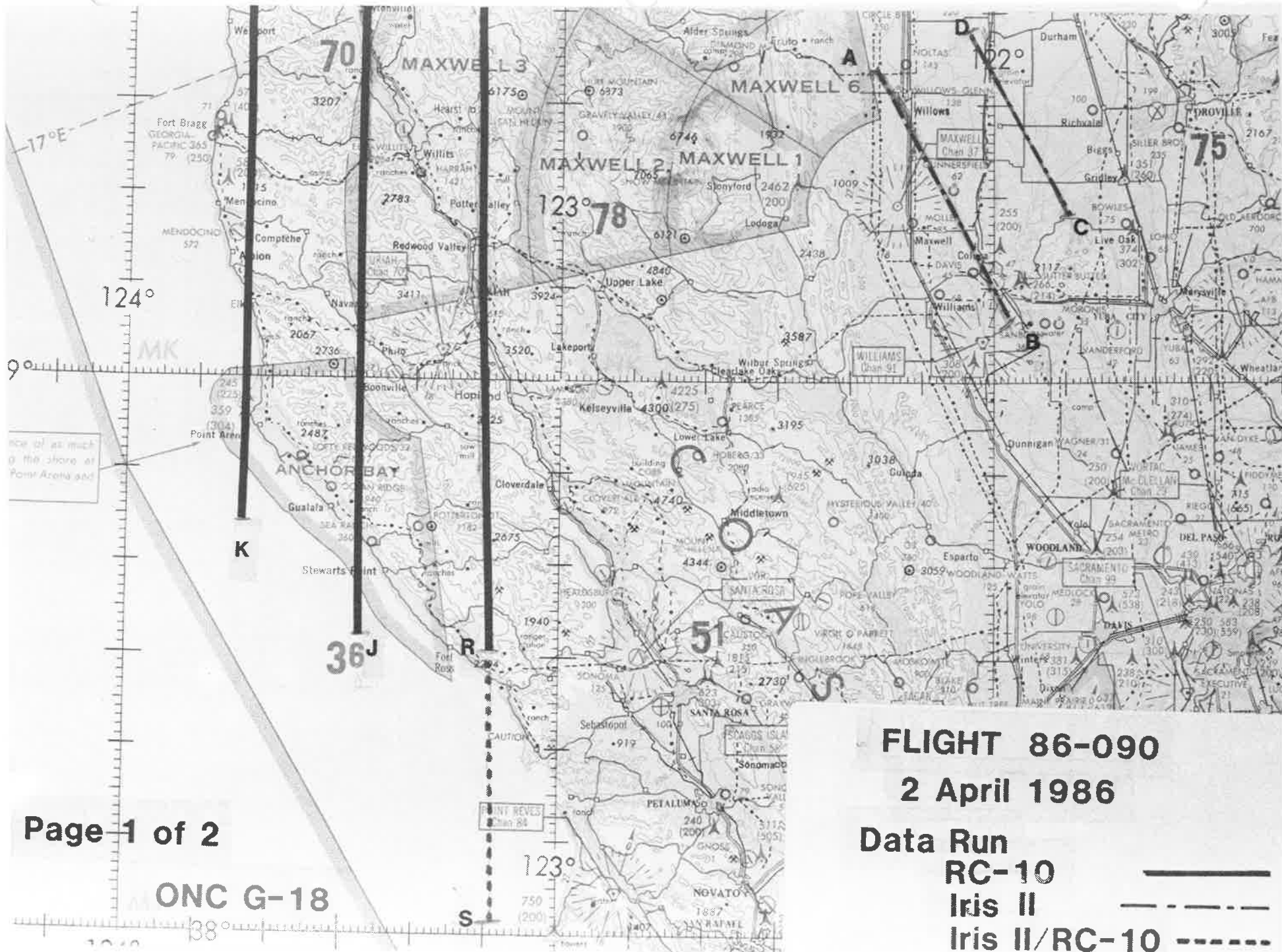
86-090

This flight was flown in support of Flight Request #1095 (Brass, NASA/ARC) under the FY 1986 Airborne Instrumentation Research Program (AIRP) plan. Iris II panoramic photography was acquired over selected sites in the Sacramento Valley and Tule Lake areas of California. Additionally RC-10 photography was acquired over northwestern California (see Track Map).

Minor to moderate cumulus cloud cover was encountered sporadically throughout the flight. No processing malfunctions were noted however the Iris film experienced minor streaking believed to be from the skew bars. This, however, does not seriously degrade the quality of the data and both rolls are rated excellent.

CAMERA FLIGHT LINE DATA
FLIGHT NO. 86-090

Sensor #	Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
			START	END		
070	A-B	0001-0035	17:39:20	17:43:26	65000/19800	clear
	C-D	0036-0061	17:48:05	17:51:11	"	clear
	E-F	0062-0074	18:11:44	18:13:13	"	moderate cumulus frames 0067-0071
	G-H	0075-0087	18:17:45	18:19:14	"	moderate cumulus frames 0075-0087
	N-O	0088-0108	19:54:20	19:56:49	"	minor to moderate cumulus frames 0088-0108
	R-S	0109-0119	20:22:30	20:23:46	"	clear
035	I-J	2835-2368	20:35:01	20:04:40	65000/19800	minor cumulus frame 2835; 2845-2847
	K-L	2869-2902	21:09:35	21:39:17	"	minor cumulus frames 2884-2887; moderate cumulus frames 2888-2892; minor cumulus frames 2893-2902
	M-P	2903-2924	21:43:17	22:01:50	"	minor to moderate cumulus frames 2906-2919
	Q-S	2925-2943	22:09:36	22:22:00	"	clear



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FLIGHT 86-090

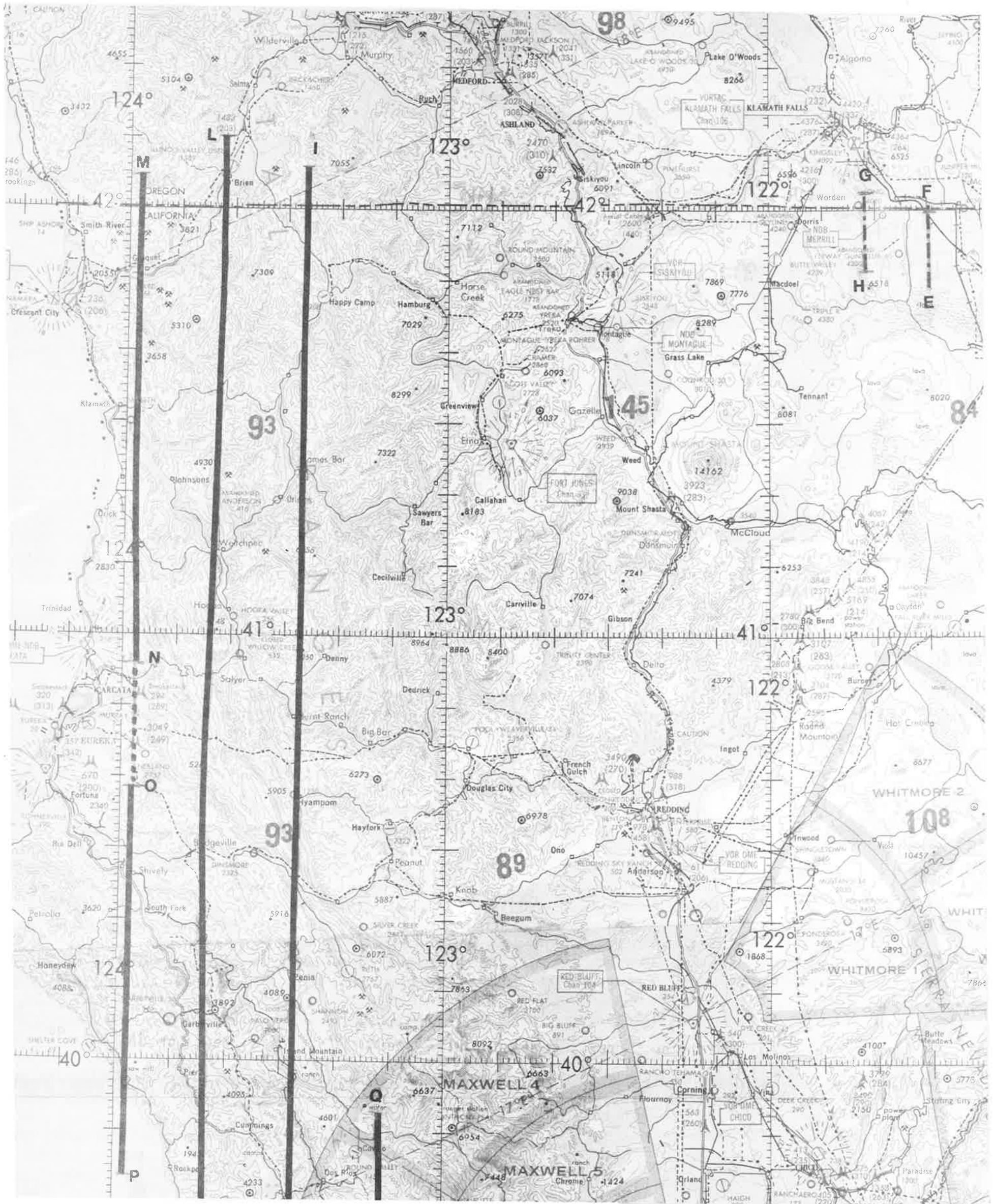
2 April 1986

Data Run

RC-10 

Iris II 

Iris II/RC-10 



ONC F-16 & G-18

FLIGHT 86-090

2 April 1986

Data Run

RC-10

Iris II

Iris II/RC-10

