

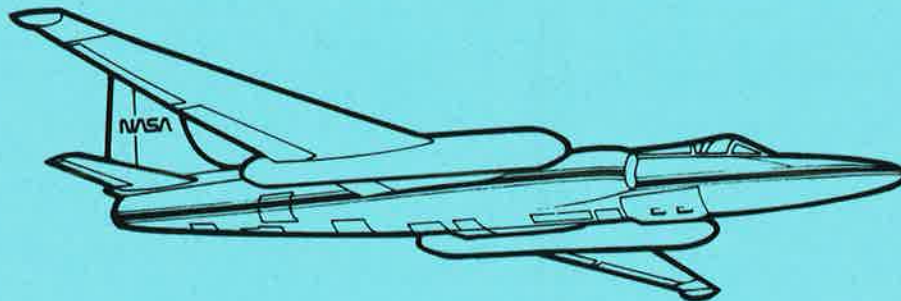
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Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 88-086

Date 21 June 1988



Science and Applications Aircraft Division

NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

FLIGHT SUMMARY REPORT

Flight Number: 88-086

Date: 21 June 1988

Julian Date: 173

Aircraft No: 706

Sensor Package: IRIS II Panoramic Camera
Wild-Heerbrug RC-10 Camera

Purpose of Flight: # 88R240
Requestor: Weber, USDA-FS

Area(s) Covered: Maryland and Virginia

SENSOR DATA

Accession No:	03726	03727
Sensor ID No:	070	076
Sensor Type:	IRIS II	RC-10
Focal Length:	24-inch 609.6 mm	12-inch 304.89 mm
Film Type:	High Definition Aerochrome Infrared, SO-131	High Definition Aerochrome Infrared, SO-131
Filtration:	cc .20B	None
Spectral Band:	510-900 nm	510-900 nm
f Stop:	3.5	4
Shutter Speed:	1/250	1/350
No. of Frames:	1014	298
% Overlap:	60	60
Quality:	Excellent	Excellent
Remarks:	See write up.	See write up.

FLIGHT SUMMARY

88-086

This flight was flown in support of Flight Request # 88R240 (Weber, U.S.D.A. - Forest Service) under the FY 1988 Airborne Instrumentation Research Program (AIRP) Plan. IRIS II and RC-10 color infrared photographic data was acquired over selected sites in Maryland and Virginia (See Track Map).

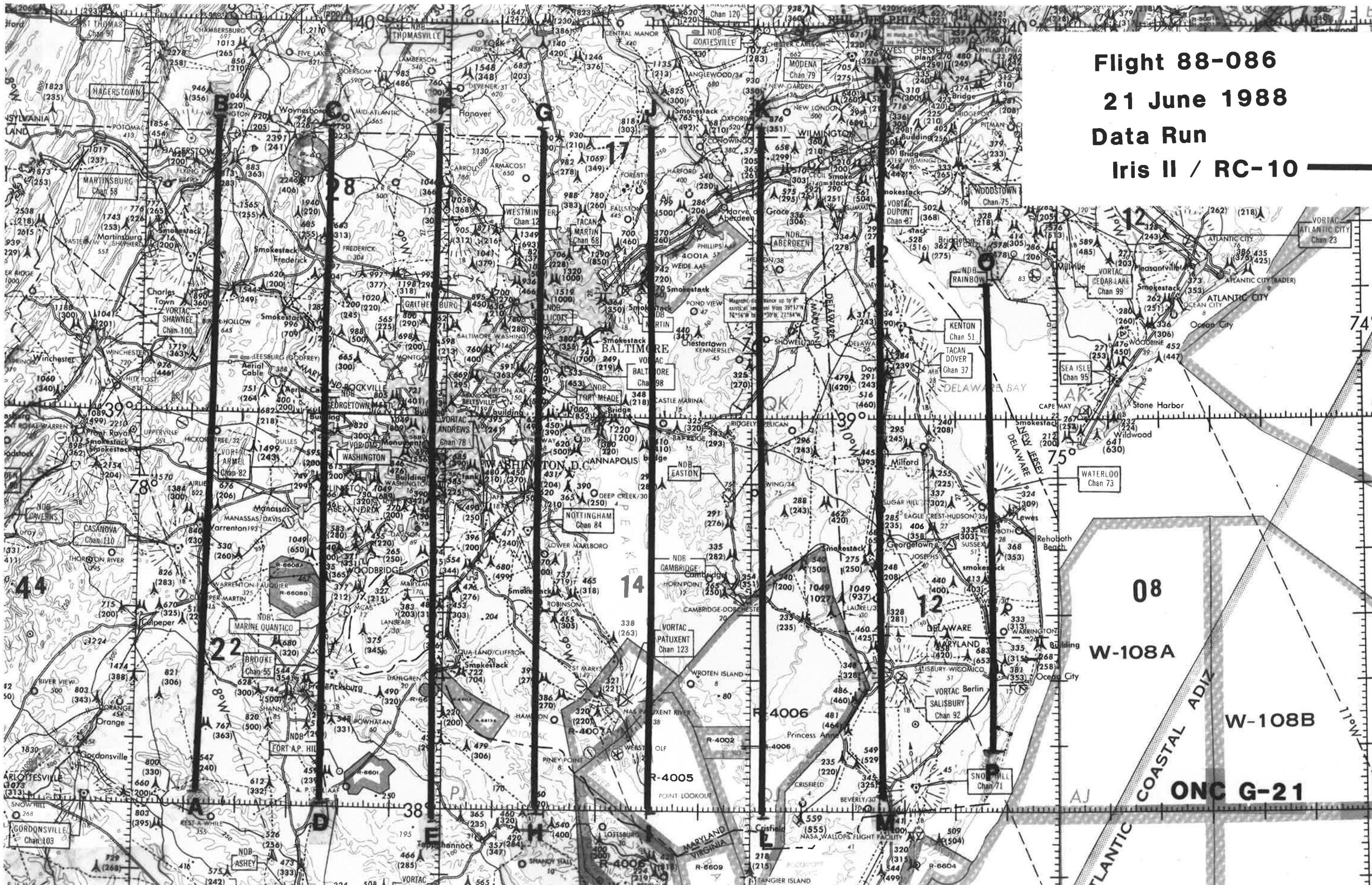
No processing or camera malfunctions were noted and the quality of the data is rated excellent.

CAMERA FLIGHT LINE DATA
 FLIGHT NO. 88-086

Sensor #	Check Points	Frame Numbers	Time (GMT-hr,min,sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
			START	END		
070	A - B	0004-0136	14:26:02	14:41:18	65000/19800	Minor to moderate strato-cumulus; Frames 0004-0023
	C - D	0137-0265	14:45:50	15:00:47	"	Minor strato-cumulus; Frames 0253- 0265
	E - F	0266-0398	15:05:19	15:20:42	"	Clear
	G - H	0399-0528	15:24:53	15:39:57	"	Clear
	I - J	0529-0659	15:44:51	16:00:01	"	Film splice(no data); Frames 0529- 0530 Minor strato-cumulus; Frames 0624- 0629, 0632-0640, 0651-0653
	K - L	0660-0788	16:04:26	16:19:22	"	Minor to moderate strato-cumulus; Frames 0660-0692
	M - N	0789-0926	16:24:01	16:40:01	"	Minor to heavy strato-cumulus; Frames 0891-0919
	O - P	0927-1017	16:48:52	16:59:23	"	Heavy to minor strato-cumulus; Frames 0927-0931

CAMERA FLIGHT LINE DATA
FLIGHT NO. 88-086

Sensor #	Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
			START	END		
076	A - B	2834-2867	14:29:56	14:45:46	65000/19800	Minor to moderate cirro-cumulus Frames 2834-2839
	C - D	2868-2901	14:49:56	15:05:13	"	Clear
	E - F	2902-2937	15:09:26	15:25:04	"	Clear
	G - H	2938-2973	15:28:56	15:44:31	"	Clear
	I - J	2974-3007	15:48:56	16:03:57	"	Minor cirrus; Frames 3001-3007
	K - L	3008-3041	16:08:30	16:23:25	"	Minor to moderate cirrus and cirro-cumulus; Frames 3008-3014
	M - N	3042-3078	16:28:11	16:44:32	"	Minor to heavy cirrus and cirro-cumulus; Frames 3069-3078
	O - P	3079-3102	16:53:02	17:03:25	"	Heavy cumulus; Frames 3079-3081
		3103-3109	17:03:51	17:06:22	"	Clear; Clearing frame over Eastern Shore of Virginia
		3110-3115	17:14:20	17:15:58	"	Clear; Clearing frame over mouth of Patuxent River, Maryland
	3116-3131	17:30:04	17:35:46	"	Clear; Clearing frame over James River and Norfolk, Virginia	



Flight 88-086
21 June 1988
Data Run
Iris II / RC-10

08

W-108A

W-108B

ONC G-21