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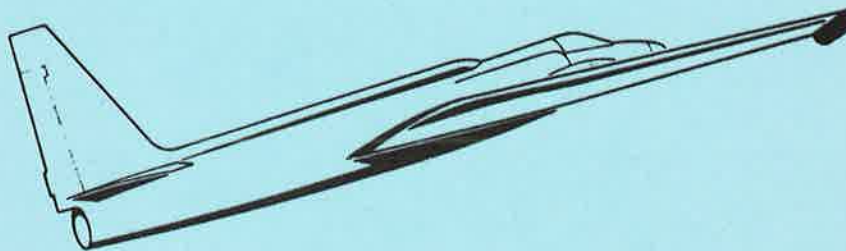
Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 78-054

Date 8 May 1978

FSR-1124



NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 78-054

Date: 8 May 1978

FSR No: 1124

Julian Date: 128

Sensor Package: A-4 Configuration

Aircraft No: 5

Purpose of Flight: #0666 Support
Requestor: Lumb

Area(s) Covered: Northwestern California

SENSOR DATA

Accession No:	02600	02601
Sensor ID No:	031	038
Sensor Type:	RC-10	HR-732
Focal Length:	6" 153.05mm	24" 609.6mm
Film Type:	High Definition Aerochrome Infrared, S0-127	High Definition Aerochrome Infrared, S0-127
Filtration:	CC .10B+ 2.2AV	CC .20B
Spectral Band:	510-900nm	510-900nm
f Stop:	4	8
Shutter Speed:	1/125	1/75
No. of Frames:	216	373
% Overlap:	60	60
Quality:	Excellent	Excellent
Remarks:	---	Sensitometric stepwedges printed over last three frs.

FLIGHT SUMMARY

78-054

This flight was flown in support of Flight Request #0666 (Lumb, NASA/ARC) under the FY 1978 Airborne Instrumentation Research Program (AIRP) plan. Photographic data was acquired over northwestern California (see Track Map).

Occasional minor cumulus and cirrus clouds were encountered over the northern part of the area. The data annotation was lost on both rolls of photography. The times listed in the Flight Line Data were approximated from the pilot's flight log. Additionally, three sensitometric stepwedges were printed over the last three frames of the HR-732 photography. Both rolls of photography are of excellent quality with no other camera or processing malfunctions noted.

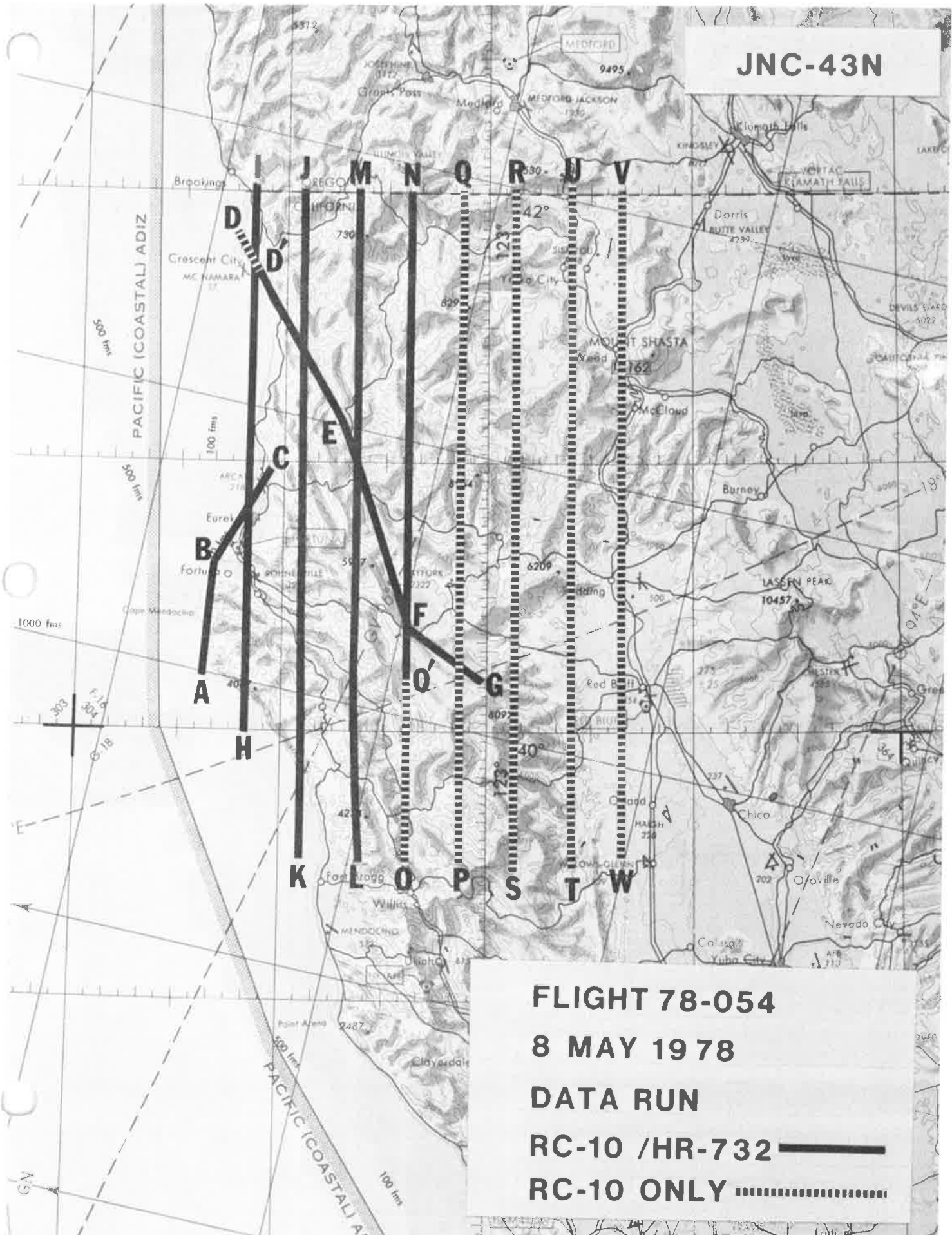
FLIGHT LINE DATA**FLIGHT NO.** 78-054

Check Points	Frame Numbers	*Time (GMT—hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
RC-10	A-B	3854-3859	17:34:00	17:38:00	65,000/19800	Minor cumulus and cirrus, frs. 3857-3859
	B-C	3860-3864	17:39:00	17:42:00	"	Minor cumulus and cirrus, frs. 3860-3864
	D-E	3865-3870	17:52:00	17:57:30	"	Clear
	E-F	3871-3878	17:58:00	18:05:00	"	Clear
	F-G	3879-3882	18:06:00	18:08:00	"	Clear
	H-I	3883-3903	18:19:00	18:38:00	"	Thin cirrus, frs. 3888-3892
	J-K	3904-3926	18:41:00	19:02:30	"	Minor smoke, frs. 3909-3910; thin cirrus, frs. 3914-3919
	L-M	3927-3950	19:05:30	19:27:00	"	Minor smoke, frs. 3943-3945
	N-O	3951-3972	19:30:00	19:50:30	"	Thin cirrus, frs. 3955-3964
	P-Q	3973-3996	19:53:30	20:15:30	"	Minor cumulus and thin cirrus, frs. 3977-3996
	R-S	3997-4020	20:18:30	20:41:00	"	Minor cumulus and thin cirrus
	T-U	4021-4045	20:44:00	21:06:00	"	Minor cumulus and cirrus, frs. 4034-4045
	V-W	4046-4069	21:09:00	21:30:00	"	Minor cirrus, frs. 4046-4057
* TIMES TAKEN FROM PILOT'S LOG						

FLIGHT LINE DATA
FLIGHT NO. 78-054

Check Points	Frame Numbers	* Time (GMT - hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
HR-732	A-B	0001-0015	17:34:00	17:38:45	65,000/19800	Minor cumulus and cirrus, frs. 0008-0015
	B-C	0016-0027	17:39:00	17:42:00	"	Clear
	D'-E	0028-0048	17:52:30	17:57:30	"	Clear
	E-F	0049-0075	17:57:45	18:04:00	"	Clear
	F-G	0076-0086	18:04:15	18:08:00	"	Clear
	H-I	0087-0147	18:19:00	18:38:00	"	Thin cirrus, frs. 0104-0113
	J-K	0148-0226	18:41:00	19:02:30	"	Thin cirrus, frs. 0190-0196
	L-M	0227-0314	19:05:30	19:27:00	"	Clear
	N-O'	0315-0373	19:30:00	19:45:00	"	Minor to moderate cirrus, frs. 0344-0356
					* TIMES TAKEN FROM PILOT'S LOG	

JNC-43N



FLIGHT 78-054

8 MAY 1978

DATA RUN

RC-10 /HR-732 

RC-10 ONLY 