

National Aeronautics and Space Administration

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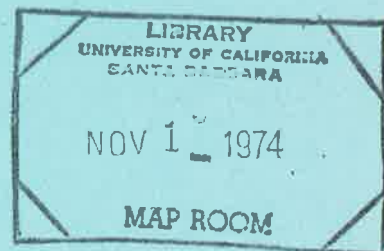
Earth Resources Aircraft Project

Flight Summary Report

Flight No. 74-085A

Date 23 May 1974

FSR- 468



Airborne Science Office

Ames Research Center, Moffett Field, California

NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

FSR: 468

Flight No: 74-085A

Date: 23 May 1974

Aircraft No: 5

Julian Date: 143

Sensor Package: A-3 Configuration

Purpose of Flight: ERAP Data R&D Support

Area(s) Covered: Merced County, California

SENSOR DATA

Accession No:	01783	01784	01785
Sensor ID No:	018	019	020
Sensor Type:	HR-732F	HR-732C	HR-732R
Lens Focal Length:	24"	24"	24"
Film Type:	Panatomic-X, 3400	Aerochrome Infrared, 2443	Aerial Color, S0-242
Spectral Band:	510-700nm	510-900nm	400-700nm
f Stop:	11	9	8
Shutter Speed:	1/110	1/250	1/75
No. of Frames:	211	211	211
% Overlap	60	60	60
Quality	Good	Excellent	Good
Remarks	Slightly over- exposed	First fr. partially over- exposed	Yellow highlights data block un- readable, processing residue, frs. 3195, 3213

MISSING
FRAME
3187

FLIGHT SUMMARY

74-085A

This is the second flight conducted in support of the ERAP Data Facility's R&D Program concerned with developing analysis techniques for deriving and quantifying land use and other types of information from high altitude photography. The test area selected for this program was Merced County, California (see Track Map).

The A-3 Camera Configuration consisting of three 24-inch focal length cameras was used on this flight. Imagery obtained on this flight is of good to excellent quality except for those minor defects noted on the Summary page. The entire test site was cloud-free.

FLIGHT LINE DATA

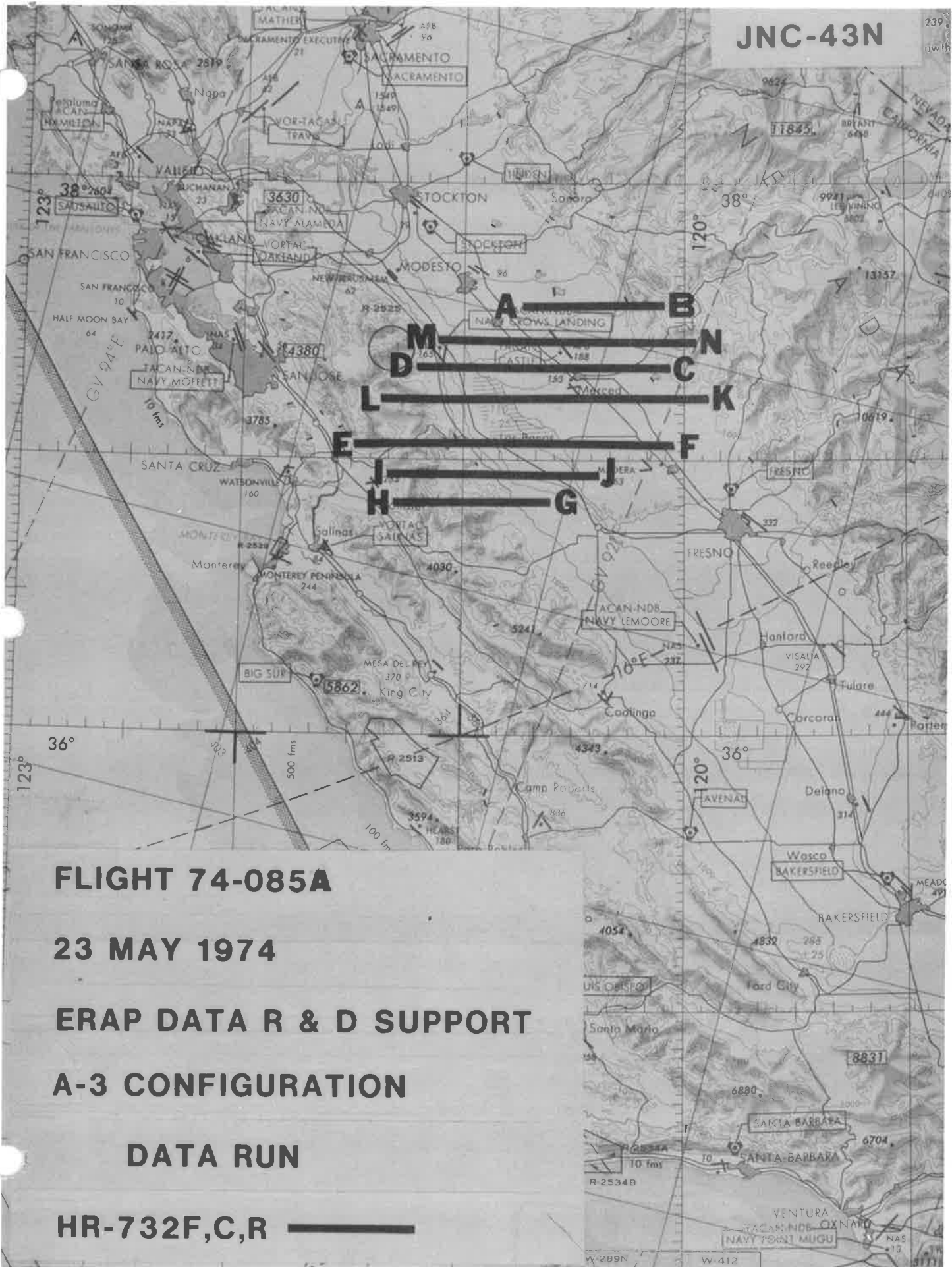
FLIGHT NO. 74-085A

A-3 CONFIGURATION

Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
A-B	3010-3026	18:25:25	18:29:24	65,000	Clear
C-D	3027-3056	18:33:17	18:40:24	"	"
E-F	3057-3093	18:45:27	18:54:20	"	"
G-H	3094-3113	19:00:56	19:05:39	"	"
I-J	3114-3144	19:13:54	19:26:17	"	"
K-L	3145-3186	19:29:37	19:39:51	"	"
M-N	3187-3220	19:44:54	19:53:08	"	"

JNC-43N

239
NW 18



FLIGHT 74-085A

23 MAY 1974

ERAP DATA R & D SUPPORT

A-3 CONFIGURATION

DATA RUN

HR-732F,C,R