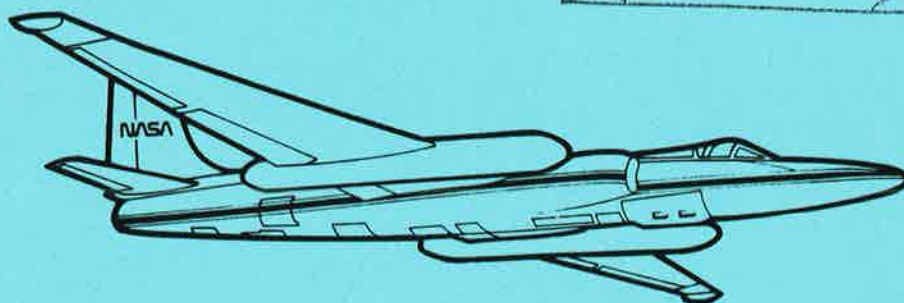
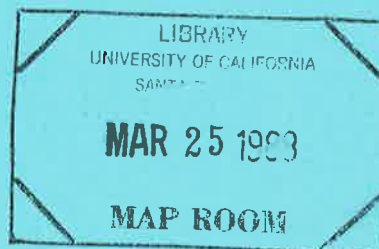


# Airborne Instrumentation Research Project

## Flight Summary Report

**Flight No.** 88-044

**Date** 21 January 1988



**Science and Applications Aircraft Division**

**NASA**

National Aeronautics and  
Space Administration

**Ames Research Center**  
Moffett Field, California 94035

G  
70.4  
F58

FLIGHT SUMMARY REPORT

Flight Number: 88-044

Date: 21 January 1988

Julian Date: 021

Sensor Package: A-4 Configuration

Aircraft No: 709

Purpose of Flight: Functional Check Flight

Area(s) Covered: Southern California

*Both ordered on new NASA-Ames structural order 4/88*

SENSOR DATA

Accession No:	03697	03698
Sensor ID No:	039	035
Sensor Type:	HR732	RC-10
Focal Length:	24" 609.6mm	6" 153.46mm
Film Type:	Aerial Color, SO-242	Aerial Color, SO-242
Filtration:	None	2.2 AV
Spectral Band:	400-700nm	400-700nm
f Stop:	8	4
Shutter Speed:	1/75	1/250
No. of Frames:	177	57
% Overlap:	60%	60%
Quality:	Good	Good
Remarks:	Overexposed See write up.	Underexposed See write up.

## FLIGHT SUMMARY

88-044

This flight was flown as a functional check flight under the FY 1988 Airborne Instrumentation Research Program (AIRP) Plan. The A-4 configuration was used to acquire 6" and 24" focal length natural color photography.

The HR732 data is slightly overexposed and the RC-10 data is slightly underexposed. No other camera or processing malfunctions were noted and the quality of the data is rated good.

CAMERA FLIGHT LINE DATA  
 FLIGHT NO. 88-044

Sensor #  
039

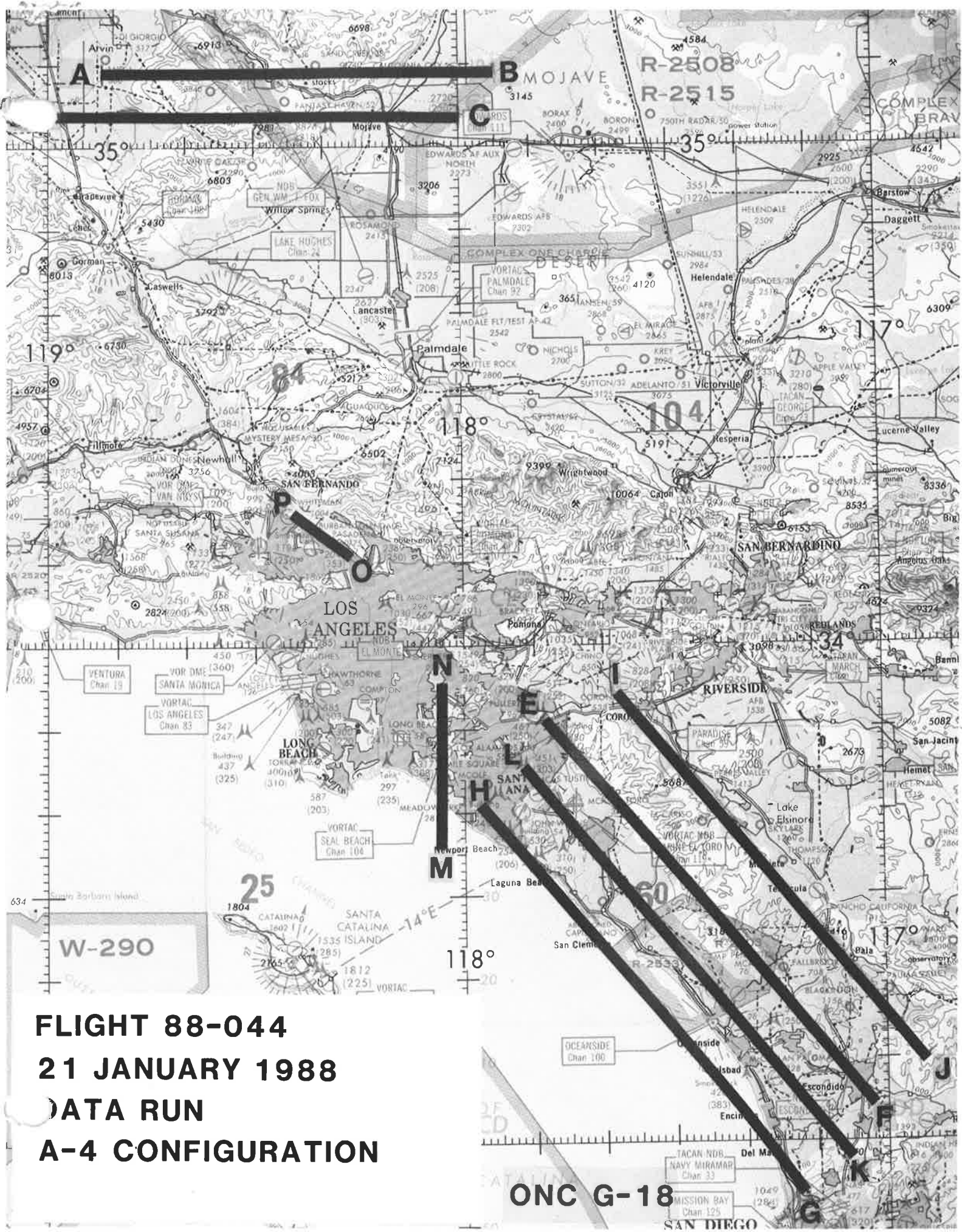
Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	0001-0024	19:50:21	19:55:58	65000/19800	
C - D	0025-0046	20:03:43	20:08:50	"	
E - F	0047-0076	20:24:43	20:31:48	"	
G - H	0077-0103	20:35:40	20:42:01	"	
I - J	0104-0132	20:46:01	20:52:52	"	
K - L	0133-0161	20:55:51	21:02:41	"	
M - N	0162-0174	21:11:27	21:14:08	"	
O - P	0175-0177	21:17:01	21:17:30	"	Burbank, California

\*Overall the HR732 data from this flight is overexposed.

Sensor #  
035

A - B	1211-1217	19:51:31	19:56:14	65000/19800	Snow on ground.
C - D	1218-1224	20:03:55	20:09:05	"	Snow on ground. 10% Scattered Cumulus Clouds - Frames 1222-1224.
E - F	1225-1233	20:24:58	20:31:58	"	
G - H	1234-1242	20:35:25	20:42:12	"	Frame #1237-Manufacturing defect
I - J	1243-1251	20:46:14	20:52:58	"	
K - L	1252-1260	20:56:06	21:03:01	"	
M - N	1261-1264	21:11:42	21:14:13	"	
O - P	1265-1267	21:17:14	21:17:33	"	Burbank, California

\*Overall the RC-10 data from this flight is underexposed.



**FLIGHT 88-044**  
**21 JANUARY 1988**  
**DATA RUN**  
**A-4 CONFIGURATION**

**ONC G-18**