**G** 70.4 **F**58 **National Aeronautics and Space Administration** 

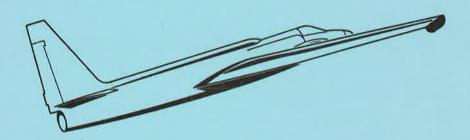
Airborne Instrumentation Research Project

# Flight Summary Report

Flight No. 75-144

Date 14 August 1975

**FSR-** 719





**Data Research and Management Branch** 

**Applications Division** 

Ames Research Center, Moffett Field, California

#### NASA / ARC

# Airborne Instrumentation Research Project FLIGHT SUMMARY REPORT

**FSR:** 719

Flight No:

75-144

Date: 14 August 1975

Aircraft No:

5

Julian Date: 236

Sensor Package:

A-4 Configuration

Purpose of Flight:

#0432 Support

Requestor: Bowden

Area(s) Covered:

Southern California

SENSOR DATA

Accession No:

02183

02184

Sensor ID No:

009

031

Sensor Type:

HR-732

RC-10

Lens Focal Length:

24"

6"

Film Type:

Aerochrome Infrared,

Aerochrome Infrared, 2443

2443

WRATTEN 12 + CC .20B Filtration:

WRATTEN 12 + CC .10B

+ .10C

Spectral Band:

510-900nm

510-900nm

f Stop:

9.0

5.6

Shutter Speed:

1/250

1/300

No. of Frames:

155

46

% Overlap:

60

60

Quality:

Excellent

Excellent

Remarks:

Soft focus around

frame edge

#### FLIGHT SUMMARY

75-144

This flight was flown in support of Flight Request #0432 (Bowden, University of California, Riverside) under the CY 1975 Earth Observations Aircraft Program (EOAP) plan. Coverage was obtained over the southern California coastline between Santa Barbara and San Diego (see Track Map).

The majority of the test area was cloud-free except for some moderate cumulus between Point Mugu and Point Conception. The imagery has excellent color balance and exposure; however, the HR-732 (24" FL) has a soft focus around the frame edge due to a filter problem. Additionally, the clock within the data annotation chamber was set to GMT minus two hours. To obtain the correct GMT time, add two hours to the times listed (see Flight Line Data). No other camera or processing malfunctions were noted.

### FLIGHT LINE DATA FLIGHT NO. 75-144

Check Points	Frame Numbers	*Time (GMT-hr, min, sec)		Altitude, MSL	36
		START	END	(feet)	Cloud Cover/Remarks
a-b	0001-0036	17:46:42	17:56:15	65,000	Clear
b-c	0037-0054	17:56:30	18:00:46	п	п
c-d	0055-0081	18:01:01	18:07:02	11	п
e-f	0082-0099	18:20:05	18:25:06	n .	Very light cumulus, frs. 0096-0099
g-h	0100-0115	18:29:29	18:33:01	n n	Very light cumulus, frs. 0101-0105
i-j	0116-0127	18:38:14	18:40:47	п	Heavy cumulus, frs. 0125-0127
k-1	0128-0135	18:43:54	18:45:37	u	Moderate to heavy cumulus along coastline
1 -m	0136-0155	18:46:17	18:50:51	п	Light to moderate cumulus, frs. 0136-0141
		**ADD TWO HO	JRS TO OBTAI	N CORRECT GMT*	*
a-b	6229-6238	19:47:26	19:56:11	65,000	Clear
b-c	6239-6242	19:57:08	20:00:05	11	п;
c-d	6243-6251	20:01:03	20:06:54	H	n:
e-f	6252-6256	20:20:01	20:23:52	н 5-	Very light cumulus, frs. 6255-6256
g-h	6257-6261	20:29:26	20:32:57	11	Very light cumulus, frs. 6257-6258
i-j	6262-6265	20:38:10	20:40:42	11	Heavy cumulus, frs. 6264-6265
k-1	6266-6268	20:43:50	20:45:33	"	Heavy cumulus along coastline
1-m	6269-6274	20:46:13	20:50:44	11	Light to heavy cumulus along coastline
	*				

