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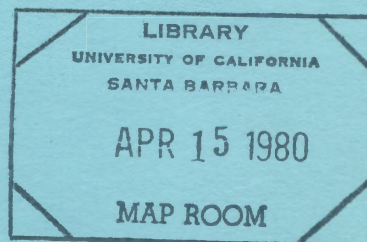
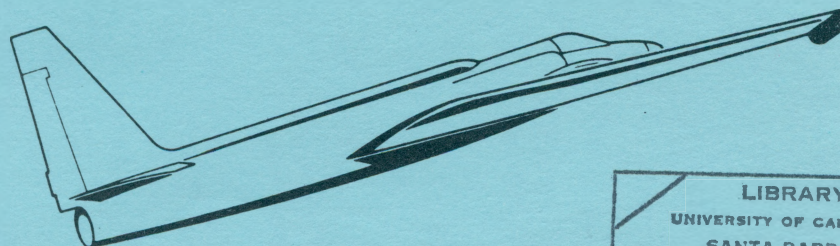
# Airborne Instrumentation Research Project

## Flight Summary Report

Flight No. 79-140

Date 17 September 1979

FSR- 1334



**NASA**

National Aeronautics and  
Space Administration

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

**Airborne Missions and Applications Division**

# FLIGHT SUMMARY REPORT

**Flight No:** 79-140

**Date:** 17 September 1979

**FSR No:** 1334

**Julian Date:** 260

**Sensor Package:** Itek Optical Bar Panoramic Camera

**Aircraft No:** 4

**Purpose of Flight:** #0828 Support  
Requestor: Weber

**Area(s) Covered:** Northern California

## SENSOR DATA

**Accession No:** 02827

**Sensor ID No:** 029

**Sensor Type:** Optical Bar

**Focal Length:** 24"  
609.6mm

**Film Type:** High Definition  
Aerochrome Infrared,  
S0-131

**Filtration:** CC .50C

**Spectral Band:** 510-900nm

**f Stop:** 3.5

**Shutter Speed:** 1/200

**No. of Frames:** 1177

**% Overlap:** 60

**Quality:** Excellent

**Remarks:** ---

## FLIGHT SUMMARY

79-140

This flight was flown in support of Flight Request #0828 (Weber, USFS) under the FY 1979 Airborne Instrumentation Research Program (AIRP) plan. The flight provides Optical Bar coverage over a portion of northern California (see Track Map).

The entire area was cloud-free with the exception of minor cumulus buildup in the Modoc plateau vicinity. Additionally, some smoke obscuration was experienced in the Auburn-Placerville area due to a forest fire. No processing or camera malfunctions were noted and the quality of the data is rated excellent.

# FLIGHT LINE DATA

FLIGHT NO. 79-140

Optical  
Bar

Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A-B	0001-0218	17:54:05	18:18:05	65,000/19800	Clear; factory splice, fr. 0085
C-D	0219-0338	18:23:15	18:36:22	"	Clear
E-F	0339-0427	18:50:01	18:59:44	"	Minor offshore cumulus, frs. 0403-0427
G-H	0428-0703	19:12:27	19:42:45	"	Clear; factory splice, fr. 0634
I-J	0704-1057	19:50:39	20:29:22	"	Minor cumulus, frs. 0705-0708; 10-20% cumulus and cloud shadow, frs. 0768-0776; image degradation from smoke, frs. 0948-0988
K-L	1058-1177	20:38:19	20:51:21	"	Clear; image degradation from smoke, frs. 1148- 1177



**Optical Bar** 

**JNC 43N**

