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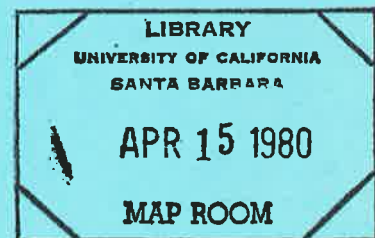
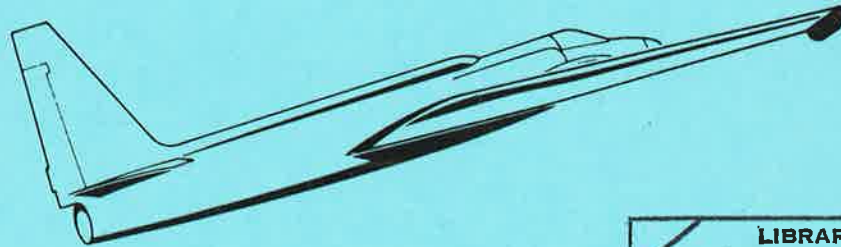
# Airborne Instrumentation Research Project

## Flight Summary Report

Flight No. 79-144

Date 20 September 1979

**FSR- 1337**



# NASA

National Aeronautics and  
Space Administration

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

**Airborne Missions and Applications Division**

# FLIGHT SUMMARY REPORT

Flight No: 79-144

Date: 20 September 1979

FSR No: 1337

Julian Date: 623

Sensor Package: Itek Optical Bar Panoramic Camera

Aircraft No: 4

Purpose of Flight: #0828 Support  
Requestor: Weber

Area(s) Covered: Southern Sierra Nevada Range, California

## SENSOR DATA

Accession No:	02829
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:	795
% Overlap:	60
Quality:	Excellent
Remarks:	---

## FLIGHT SUMMARY

79-144

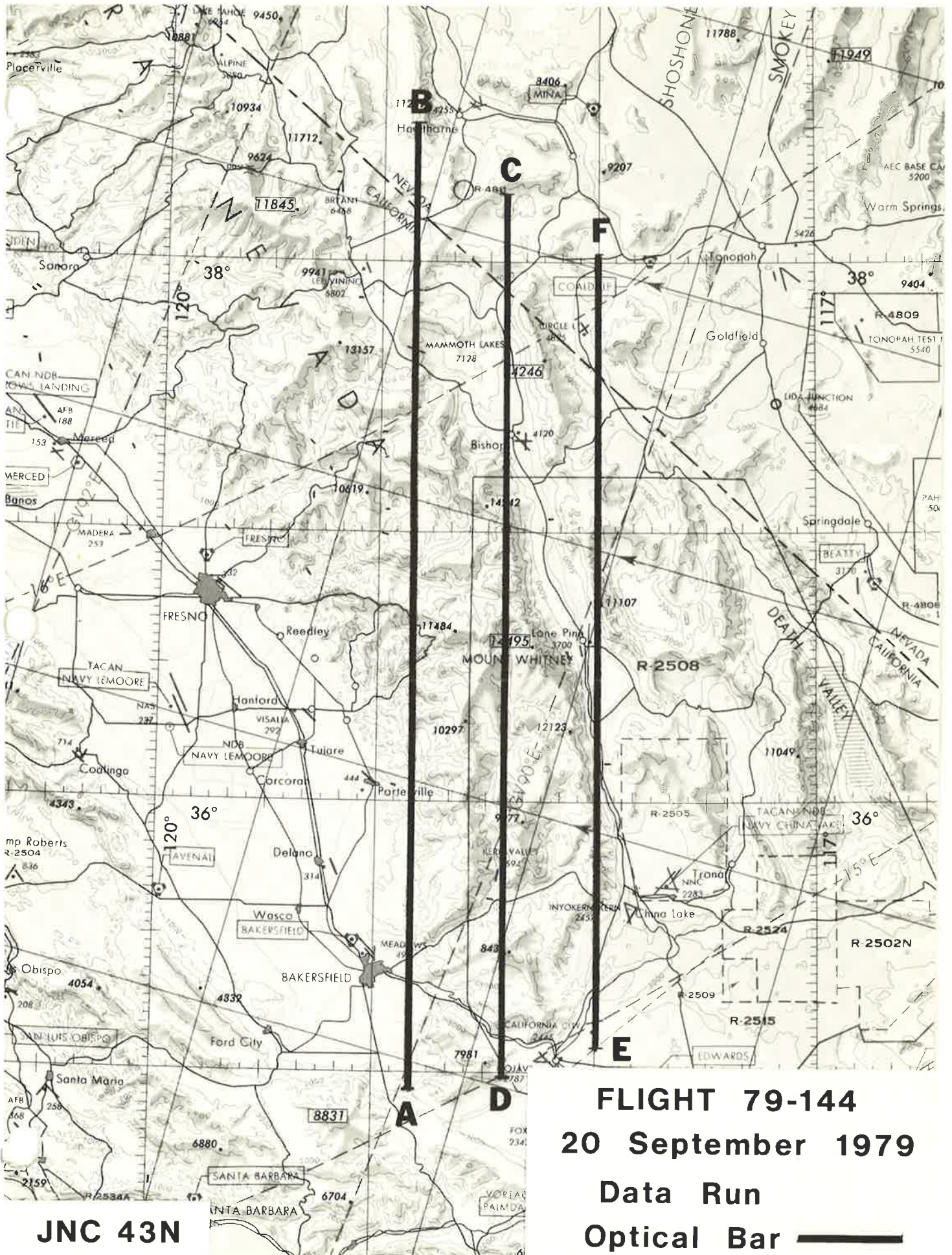
This flight was flown in support of Flight Request #0828 (Weber, USFS) under the FY 1979 Airborne Instrumentation Research Program (AIRP) plan. The flight provides Optical Bar photography of the southern Sierra Nevada Range (see Track Map).

The entire area was cloud-free with only minor degradation due to smoke from forest fires. No processing or camera malfunctions were noted and the quality of the data is rated excellent.

## FLIGHT LINE DATA

FLIGHT NO. 79-144

Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
Optical Bar	A-B	0001-0288	18:19:28	18:50:58	65,000/19800	Clear; minor smoke obscuration, frs. 0125-0129, 0140-0145
	C-D	0289-0552	18:57:03	19:25:48	"	Clear; factory film splice, fr. 0348
	E-F	0553-0795	19:31:34	19:58:00	"	Clear; light struck, frs. 0794-0795



JNC 43N

**FLIGHT 79-144**  
**20 September 1979**  
**Data Run**  
**Optical Bar** 