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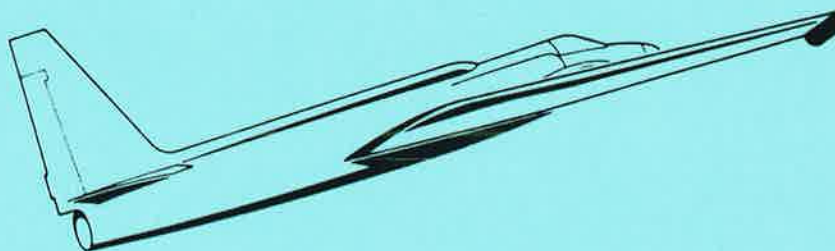
# Airborne Instrumentation Research Project

## Flight Summary Report

Flight No. 82-168B

Date 8 September 1982

**FSR- 1665**



# NASA

National Aeronautics and  
Space Administration

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

**Airborne Missions and Applications Division**

# FLIGHT SUMMARY REPORT

**Flight No:** 82-168B

**Date:** 8 September 1982

**FSR No:** 1665

**Julian Date:** 251

**Sensor Package:** HR-732

**Aircraft No:** 709

**Purpose of Flight:** #0943 Support  
**Requestor:** Wieczorek

**Area(s) Covered:** Central California Coast

## SENSOR DATA

**Accession No:** 03137

**Sensor ID No:** 039

**Sensor Type:** HR-732

**Focal Length:** 24"  
609.6mm

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

**Filtration:** CC .20B

**Spectral Band:** 510-900nm

**f Stop:** 8

**Shutter Speed:** 1/75

**No. of Frames:** 113

**% Overlap:** 60

**Quality:** Excellent

**Remarks:** ---

## FLIGHT SUMMARY

82-168B

This flight was flown in support of Flight Request #0943 (Wieczorek, USGS, Menlo Park, CA) in support of the FY 1982 Airborne Instrumentation Research Program (AIRP) plan. HR-732 photographic coverage was obtained of the Santa Cruz Mountains and San Francisco Peninsula.

Stratus clouds (coastal fog) were encountered on all flight lines, usually only obscuring the beach and ocean portions of the photographic scene. Film transport malfunctions caused soft focus on two (2) frames. The LED clock malfunctioned, therefore, times were derived from the pilot's flight log. No processing malfunctions were noted, and the quality of the data is rated as excellent.

# FLIGHT LINE DATA

FLIGHT NO. 82-168B

Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
---	0001-0004	18:55:00	----	65,000/19800	Clear; single pulse frames over Beale AFB; fr. 0002, soft focus
A-B	0005-0029	19:36:00	19:42:00	"	Stratus covering beaches; fr. 0020 soft focus; 50% cloud cover, frs. 0020-0029
C-D	0030-0074	19:47:00	19:58:00	"	40-80% cloud cover, frs. 0030-0032; 20-50% cloud cover, frs. 0071-0074
E-F	0075-0113	20:04:00	20:13:00	"	Stratus over water and beaches, frs. 0075- 0091; 30-80% cloud cover, frs. 0110-0113

