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National Aeronautics and Space Administration

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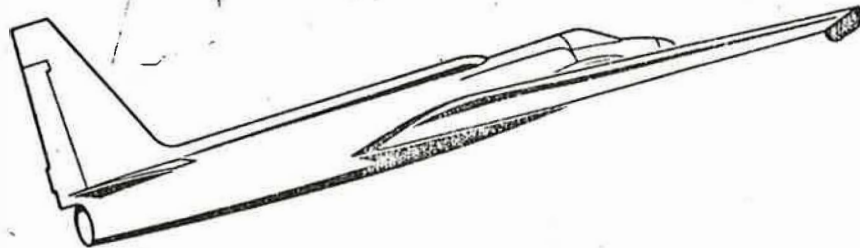
Earth Resources Aircraft Project

## Flight Summary Report

Flight No. 72-131

Date 2 August 1972

FSR- 142



Airborne Science Office

Ames Research Center, Moffett Field, California

3 August 1972

**NASA/ARC Earth Resources Aircraft Project**  
**FLIGHT SUMMARY REPORT**

Flight No: 72-131

Date: 2 August 1972

Aircraft No: 4

Julian Date: 215

Sensor Package: A-1 Configuration

Purpose of Flight: Mollera (Big Sur) Fire Assessment

*1-250*  
**SENSOR DATA**

Accession No:	00576	00577
Sensor ID No:	006	009
Sensor Type:	HC 730 V	HC 732
Lens Focal Length:	6"	24"
Film Type:	Aerochrome Infrared, 2443	Panatomic X, 3400
Spectral Band:	510-900nm	400-700nm
f Stop:	11	8
Shutter Speed:	1/150	1/360
No. of Frames:	19	102

**PREVIOUS COVERAGE**

<u>FLIGHT</u>	<u>DATE</u>	<u>SENSOR PACKAGE</u>
72-032	2 Mar 1972	RC-8 Test Flight
72-075	10 May 1972	RC-10 Test Flight

# FLIGHT LINE DATA

FLIGHT NO. 72-131

HC 730 V

Flight Line No.	Check Points	Frame Numbers	Time (GMT-- hr, min, sec)		Altitude, MSL (feet)	Weather/ Cloud Cover	Remarks
			START	END			
	A-B	0000-0001	Clock not in camera		65,000	Minor coastal fog over water	
	C-D	0002-0004			"		
	D-E	0005-0006			"		
	A-B	0007-0009			45,000		
	C-D	0010-0011			"		
	A-B	0012-0014			25,000		
	C-D	0015-0018			"		

# FLIGHT LINE DATA

FLIGHT NO. 72-131

HC 732

Flight Line No.	Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL (feet)	Weather/ Cloud Cover	Remarks
			START	END			
	A-B	0000-0013	20 23 35	20 25 58	65,000	Coastal fog over water and northern areas.	Frs. 12 & 13 left and right obliques
	C-D	0014-0027	20 29 52	20 32 33	"		
	E-F	0028-0039	20 35 36	20 38 48	"		
	A-B	0040-0051	20 47 48	20 50 05	45,000	Frs. 65 & 66 left and right obliques	
	B-D	0052-0066	20 52 44	20 55 20	"		
	A-B	0067-0082	21 00 13	21 04 20	25,000		
	C-D	0083-0101	21 05 25	21 09 54	"		

## FLIGHT SUMMARY

72-131

This flight was a special disaster assessment flight over the Mollera (Big Sur) Fire Site south of Monterey flown for the California State Division of Forestry and the U.S. Forest Service.

This flight was flown with the A-1 Configuration using the 24" focal length vertical 9" x 18" framing camera with Panatomic X (3400) film, and a 6" focal length 9" x 9" framing camera with Aerochrome Infrared (2443) film.

Coverage was obtained at three stepped altitudes, 65,000, 45,000 and 25,000 MSL. The quality of the imagery obtained is generally good to very good. The color infrared is partially degraded by a light leak caused by the absence of the camera clock which allowed extraneous light to enter the camera and cause heavy light streaking across the format. The black and white imagery is slightly underexposed but not seriously degraded.

