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National Aeronautics and Space Administration

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Earth Resources Aircraft Project

EROS DATA CENTER
LIBRARY

Flight Summary Report

Flight No. 72-150

Date 23 August 1972

FSR- 163



Airborne Science Office

Ames Research Center, Moffett Field, California

24 August 1972

NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

Flight No: 72-150

Date: 23 August 1972

Aircraft No: 4

Julian Date: 236

Sensor Package: A-1 Configuration

Purpose of Flight: Fire Assessment

Area(s) Covered: Bear Fire, Los Padres National Forest,
California

GRSU

SENSOR DATA

Accession No:	00655	00656
Sensor ID No:	006	009
Sensor Type:	HC 730 V	HR 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:	26	133
% Overlap	50-70	50-70
Quality	Good	Good
Remarks		

FLIGHT SUMMARY

72-150..

This is the second of two fire assessment flights on this date over the Bear fire, Los Padres National Forest east of Ojai, California. Both flights were conducted at the request of the California State Division of Forestry.

This second flight was flown late in the afternoon in order to provide data for overnight fire crew planning of the next day's operations. Because of the low sun angle, smoke penetration appears to be better than in the morning flight's imagery, probably due to less specular reflection of the sun on the smoke cloud.

Mission parameters for this flight were identical to those of the morning flight - color infrared film in the HC-730V camera and high resolution black and white film in the HR-732 camera, with passes at 48,000 and 28,000 feet MSL for map scale matching. The imagery from both cameras is of good quality with no malfunctions noted.

FLIGHT LINE DATA

FLIGHT NO. 72-150

Check Points	Frame Numbers	Time (GMT - hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks	
		START	END			
HC730V	A-B	000-002	23 33 43	23 35 45	48,000	Clear except for smoke
	C-D	003-006	23 41 25	23 44 29	"	"
	A-B	007-010	23 49 20	23 52 20	"	"
	A-B	011-018	23 00 58	24 12 43	28,000	"
	A-B	019-021	24 19 30	24 21 32	"	"
	B-A	022-025	24 27 05	24 30 10	"	"
HR732	A-B	0000-0013	23 33 30	23 36 10	48,000	Clear except for smoke
	C-D	0014-0033	23 41 04	23 44 58	"	"
	A-B	0034-0054	23 49 05	23 54 12	"	"
	A-B	0055-0083	24 01 09	24 05 56	28,000	"
	B-E	0084-0094	24 10 45	24 12 50	"	"
	A-B	0095-0111	24 19 50	24 23 09	"	"
	B-A	0112-0132	24 27 55	24 32 02	"	"



guard RAUCE POINTS
 and Condors (Endangered Species) flying in the
 Sanctuary, in flight between the Sissoac and
 Sanctuaries and soaring throughout adjacent
 areas. Pilots are requested to maintain 3000 ft
 clearance when flying over or near the sanctuaries.

VENTURA
 See NOTAMS/AIM
 for CZ eff hrs.

VENTURA CO CT - 120.0
 43 L 59 U-2

NAS POINT MUGU CT - 126.2
 73 L 111
 DF

FLIGHT 72-150
23 August 1972
Bear Fire Assessment
A-1 Configuration
LA Sectional

122.0 122.3 123
 LOS ANGE
 113.6 Ch 83 LA