

UCSB MAP ROOM

G
70.4
F58

National Aeronautics and Space Administration

Earth Resources Aircraft Project

Flight Summary Report

Flight No. 74-164B

Date 23 September 1974

FSR- 537



Airborne Science Office

Ames Research Center, Moffett Field, California

NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

FSR:537

Flight No: 74-164B

Date: 23 September 1974

Aircraft No: 4

Julian Date: 266

Sensor Package: A-3 Configuration (single camera only)

Purpose of Flight: Contingency Flight
Requested by: University of California
at Santa Barbara

Area(s) Covered: Los Padres National Forest,
Monterey County, California

SENSOR DATA

9X16
GPSU

Accession No: 01924

Sensor ID No: 020

Sensor Type: HR-732

Lens Focal Length: 24"

Film Type: Aerochrome Infrared,
2443

Spectral Band: 510-900nm

f Stop: 11

Shutter Speed: 1/250

No. of Frames: 90

% Overlap: 60

Quality: Good

Remarks: Emulsion defect
throughout roll

FLIGHT SUMMARY

74-164B

This flight was flown as a Contingency flight in support of Estes/Tinney (University of California at Santa Barbara) in conjunction with the U.S. Forest Service. The data is to be used to determine areas of severe snow breakage in preparation for fall season controlled burning. Three flight lines were flown over the Los Padres National Forest in Monterey County, California (see Track Map).

The flight was flown at 51,000 feet in order to approximate the scale on the USGS 7.5 minute topographic map series (scale 1:24,000). The area was cloud-free except for low coastal fog (see Flight Line Data). No malfunctions were noted, however, the Aerochrome Infrared film had a streak throughout the roll believed to be a manufacturing defect.

FLIGHT LINE DATA

FLIGHT NO. 74-164B

Check Points	Frame Numbers	Time (GMT - hr. min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
A-B	0019-0045	19:49:03	19:55:33	51,000	0-40% low coastal fog
C-D	0046-0078	20:02:57	20:09:57	"	Clear; low coastal fog last 7 frs.
E-F	0079-0108	20:16:11	20:28:27	"	Clear

WAC CG-18

FLIGHT 74-164B
23 September 1974
Los Padres Contingency
Data Run
HR 732

07

WARNING
Extensive fleet and air operations
being conducted to approximately
100 miles seaward.

Warning National Defense Operating Area
Operations hazardous to the flights of aircraft
conducted within these areas.

