Earth Resources Aircraft Project

Flight Summary Report

Flight No. 74-1648
Date 23 September 1974

FSR- 537

Airborne Science Office
Ames Research Center, Moffett Field, California
FLIGHT SUMMARY REPORT

NASA/ARC  Earth Resources Aircraft Project

FSR: 537

Flight No: 74-164B
Aircraft No: 4
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

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
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.
<table>
<thead>
<tr>
<th>Check Points</th>
<th>Frame Numbers</th>
<th>Time (GMT – hr. min, sec)</th>
<th>Altitude, MSL (feet)</th>
<th>Cloud Cover/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>START</td>
<td>END</td>
<td>51,000</td>
</tr>
<tr>
<td>C-D</td>
<td>0046-0078</td>
<td>20:02:57</td>
<td>20:09:57</td>
<td>&quot;</td>
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FLIGHT 74-164B
23 September 1974
Los Padres Contingency
Data Run
HR 732

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.