Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 79-144
Date 20 September 1979

FSR-1337

NASA
National Aeronautics and Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division
FLIGHT SUMMARY REPORT

Flight No: 79-144
FSR No: 1337
Sensor Package: Itek Optical Bar Panoramic Camera

Purpose of Flight: #0828 Support
Requestor: Weber

Area(s) Covered: Southern Sierra Nevada Range, California

SENSOR DATA

Accession No: 02829
Sensor ID No: 029
Sensor Type: Optical Bar
Focal Length: 24"
609.6mm

Film Type: High Definition
Aerochrome Infrared,
SO-131
Filtration: CC .50C

Spectral Band: 510-900nm
f Stop: 3.5
Shutter Speed: 1/200
No. of Frames: 795
% Overlap: 60
Quality: Excellent
Remarks: ---
This flight was flown in support of Flight Request #0828 (Weber, USFS) under the FY 1979 Airborne Instrumentation Research Program (AIRP) plan. The flight provides Optical Bar photography of the southern Sierra Nevada Range (see Track Map).

The entire area was cloud-free with only minor degradation due to smoke from forest fires. No processing or camera malfunctions were noted and the quality of the data is rated excellent.
**FLIGHT LINE DATA**  
**FLIGHT NO. 79-144**

<table>
<thead>
<tr>
<th>Check Points</th>
<th>Frame Numbers</th>
<th>Time (GMT – hr, min, sec)</th>
<th>Altitude, MSL feet/meters</th>
<th>Cloud Cover/Remarks</th>
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<tr>
<td>A-B</td>
<td>0001-0288</td>
<td>18:19:28</td>
<td>18:50:58</td>
<td>65,000/19800</td>
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<tr>
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<td>START</td>
<td>END</td>
<td>Clear; minor smoke</td>
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<td>obscuration, frs.</td>
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<td>C-D</td>
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