Airborne Instrumentation Research Project

Flight Summary Report

Flight No.  82-149A
Date    4 August 1982

FSR-  1647

NASA
National Aeronautics and
Space Administration

Ames Research Center
Moffett Field. California 94035

Airborne Missions and Applications Division
FLIGHT SUMMARY REPORT

Flight No: 82-1494
FSR No: 1647
Sensor Package: RC-10

Date: 4 August 1982
Julian Date: 216
Aircraft No: 706

Purpose of Flight: #0929 Support
Requestor: Bauer

Area(s) Covered: Central California

SENSOR DATA

Accession No: 03120
Sensor ID No: 035
Sensor Type: RC-10
Focal Length: 153.46mm
6"
Focal Length: 153.46mm
6"

Film Type: Aerochrome Infrared, SO-193
Filtration: CC .20B + 2.2AV

Spectral Band: 510-900nm
f Stop: 11
Shutter Speed: 1/250
No. of Frames: 184
% Overlap: 60
Quality: Excellent
Remarks: 1 stop underexposed
FLIGHT SUMMARY

82-149A

This flight was flown in support of Flight Request #0929 (Bauer, NASA/ARC) under the FY 1982 Airborne Instrumentation Research Program (AIRP) plan. Photographic coverage was acquired of the California Central Valley.

Minor cumulus and cirrus cloud coverage was encountered on four of the flight lines. The film is one stop underexposed. No processing malfunctions were encountered.
## FLIGHT LINE DATA

**FLIGHT NO.** 82-149A

<table>
<thead>
<tr>
<th>Sensor #</th>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>035</td>
<td>---</td>
<td>1226</td>
<td>15:50:53 – 15:50:53</td>
<td>65,000/19800</td>
<td>Clear; single pulse frame—Walnut Creek</td>
</tr>
<tr>
<td></td>
<td>A-B</td>
<td>1227-1244</td>
<td>18:10:34 – 18:53:02</td>
<td></td>
<td>10% cumulus, fr. 1244</td>
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<tr>
<td></td>
<td>C-D</td>
<td>1245-1291</td>
<td>18:56:45 – 19:40:03</td>
<td></td>
<td>20% cumulus, fr. 1245</td>
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