National Aeronautics and Space Administration

Earth Resources Aircraft Project

Flight Summary Report

Flight No. 75-098
Date 20 June 1975

FSR- 674

Airborne Science Office
Ames Research Center, Moffett Field, California
NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

FSR: 674

Flight No: 75-098

Date: 20 June 1975

Aircraft No: 4

Julian Date: 171

Sensor Package: A-4 Configuration (24" FL only)

Purpose of Flight: #0186 Support

Requestor: Deerwester/Adams

Area(s) Covered: Gilroy, Ventura Plain, Atascadero, California

SENSOR DATA

Accession No: 02135

Sensor ID No: 009

Sensor Type: HR-732

Lens Focal Length: 24"

Film Type: High Definition

Aerochrome Infrared, 50-127

Filtration: CC .15C + .10B

Spectral Band: 510-900nm

f Stop: 8

Shutter Speed: 1/360

No. of Frames: 46

% Overlap: 60

Quality: Excellent

Remarks: Slightly underexposed
FLIGHT SUMMARY

75-098

This flight was flown in support of Flight Request #0186 (Deerwester, NASA/ARC) under the CY 1975 Earth Observations Aircraft Program (EOAP) plan. The flight provides 24" focal length coverage of the Ventura Plain in California (see Track Map). Additional coverage over Gilroy and Atascadero was obtained as clearing frames and are included.

Very minor cumulus cloud cover was encountered on the second flight line, however, this does not seriously degrade the quality of the data. Frame 0017 is smeared wither from turbulence or roll in slight turn. The imagery is slightly underexposed but is rated excellent with good saturation and color balance. No other malfunctions were noted.
# FLIGHT LINE DATA

## FLIGHT NO. 75-098

<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></td>
</tr>
<tr>
<td>A-B</td>
<td>9998-0004</td>
<td>18:13:01</td>
<td>18:14:30</td>
<td>65,000</td>
</tr>
<tr>
<td>C-D</td>
<td>0005-0025</td>
<td>18:46:03</td>
<td>18:51:04</td>
<td></td>
</tr>
<tr>
<td>E-F</td>
<td>0026-0038</td>
<td>18:57:00</td>
<td>19:00:00</td>
<td>Very minor scattered cumulus, frs. 0010-0014</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Clear - clearing frames over Atascadero, CA</td>
</tr>
</tbody>
</table>
FLIGHT 75-098
20 June 1975
Data Run
HR 732

JNC 43N