FLIGHT SUMMARY REPORT

Flight Number: 00-002
Calendar/Julian Date: 03 October 1999 • 276
Sensor Package: Wild Heerbrugg RC-10 (12” and 6”)
Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)
Thematic Mapper Simulator (TMS)
Area(s) Covered: Lynx Creek, AZ; Southern California

Investigator(s): van den Bosch, SAIC; Gamon, CSU Los Angeles; Aircraft #: 806
Green, JPL

SENSOR DATA

<table>
<thead>
<tr>
<th>Accession #:</th>
<th>05410</th>
<th>05411</th>
<th>-----</th>
<th>-----</th>
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</thead>
<tbody>
<tr>
<td>Sensor ID #:</td>
<td>034</td>
<td>035</td>
<td>099</td>
<td>074</td>
</tr>
<tr>
<td>Sensor Type:</td>
<td>RC-10</td>
<td>RC-10</td>
<td>AVIRIS</td>
<td>TMS</td>
</tr>
<tr>
<td>Focal Length:</td>
<td>12”</td>
<td>6”</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td></td>
<td>304.66 mm</td>
<td>153.46 mm</td>
<td></td>
<td></td>
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<tr>
<td>Film Type:</td>
<td>Aerochrome IR</td>
<td>Aerochrome IR</td>
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<tr>
<td></td>
<td>SO-060</td>
<td>SO-134</td>
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<tr>
<td>Filtration:</td>
<td>Wratten 12</td>
<td>Wratten 12 + 2.2 AV</td>
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<td>-----</td>
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<tr>
<td>Spectral Band:</td>
<td>510-900nm</td>
<td>510-900 nm</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>f Stop:</td>
<td>11</td>
<td>8</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Shutter Speed:</td>
<td>1/275</td>
<td>1/275</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td># of Frames:</td>
<td>122</td>
<td>8</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>% Overlap:</td>
<td>60</td>
<td>60</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Quality:</td>
<td>Excellent</td>
<td>Good</td>
<td>-----</td>
<td>Fair</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Add 11 seconds for correct UTC</td>
<td>Data block unreadable</td>
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</table>
### CAMERA FLIGHT LINE DATA

**FLIGHT NO. 00-002**

**Accession #** 05410  
**Sensor #** 034

<table>
<thead>
<tr>
<th>Check Points</th>
<th>Frame Numbers</th>
<th>Time (UTC-hr, min, sec)</th>
<th>Altitude, MSL</th>
<th>Cloud Cover/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>C - D</td>
<td>3592-3600</td>
<td>17:44:57 - 17:48:26</td>
<td>65500/19965</td>
<td>Clear</td>
</tr>
<tr>
<td>G - H</td>
<td>3601-3608</td>
<td>17:57:43 - 18:00:59</td>
<td>65000/19812</td>
<td>Clear</td>
</tr>
<tr>
<td>P - Q</td>
<td>3619-3624</td>
<td>19:03:50 - 19:05:45</td>
<td>65500/19965</td>
<td>Clear</td>
</tr>
<tr>
<td>___</td>
<td>3641-3643</td>
<td>19:39:21 - 19:40:16</td>
<td>65000/19812</td>
<td>Oblique frames; 10% smoke (frames 3642-3643)</td>
</tr>
<tr>
<td>T - U</td>
<td>3644-3651</td>
<td>19:41:56 - 19:44:45</td>
<td>65000/19812</td>
<td>Clear</td>
</tr>
<tr>
<td>P - M</td>
<td>3660-3671</td>
<td>19:49:40 - 19:54:19</td>
<td>65500/19965</td>
<td>10-40% smoke (frames 3665-3670)</td>
</tr>
</tbody>
</table>
## CAMERA FLIGHT LINE DATA

**FLIGHT NO. 00-002**

<table>
<thead>
<tr>
<th>Check Points</th>
<th>Frame Numbers</th>
<th>Time (UTC-hr, min, sec)</th>
<th>Altitude, MSL feet/meters</th>
<th>Cloud Cover/Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>L - M</td>
<td>3672-3678</td>
<td>19:59:43</td>
<td>20:02:05</td>
<td>66000/20117 10% smoke (frames 3677-3678)</td>
</tr>
<tr>
<td>T - V</td>
<td>3679-3685</td>
<td>20:07:53</td>
<td>20:10:15</td>
<td>66000/20117 10-40% smoke (frames 3679-3684)</td>
</tr>
<tr>
<td>P - Q</td>
<td>3692-3698</td>
<td>20:24:20</td>
<td>20:26:28</td>
<td>65500/19965 Clear</td>
</tr>
<tr>
<td>X - Y</td>
<td>3699-3713</td>
<td>20:34:57</td>
<td>20:40:30</td>
<td>65500/19965 Clear</td>
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<tr>
<td>Check Points</td>
<td>Frame Numbers</td>
<td>Time (UTC-hr, min, sec)</td>
<td>Altitude, MSL feet/ meters</td>
<td>Cloud Cover/ Remarks</td>
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<tr>
<td>--------------</td>
<td>---------------</td>
<td>------------------------</td>
<td>-----------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>X - Y</td>
<td>0094-0101</td>
<td>20:35:08</td>
<td>20:40:55</td>
<td>65500/19965</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Clear; light leak, affects area above right center fiducial</td>
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</tbody>
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### DAEDALUS FLIGHT DATA
**Flight Number:** 00-002

<table>
<thead>
<tr>
<th>Check Points</th>
<th>Actual time (GMT)</th>
<th>Actual scanline begin</th>
<th>Actual scanline end</th>
<th>Ground speed</th>
<th>Scan speed</th>
<th>Ground good scanlines</th>
<th>Total good interpolated scanlines</th>
<th>Total repeated scanlines</th>
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<tbody>
<tr>
<td>A-B</td>
<td>17:36:00.0 - 17:43:05.0</td>
<td>34366</td>
<td>39686</td>
<td>66567/20290</td>
<td>433/217</td>
<td>12.50</td>
<td>5321</td>
<td>0</td>
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<tr>
<td>C-D</td>
<td>17:44:44.0 - 17:48:45.0</td>
<td>40916</td>
<td>43926</td>
<td>65461/19953</td>
<td>424/213</td>
<td>12.50</td>
<td>3011</td>
<td>0</td>
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<tr>
<td>E-F</td>
<td>17:51:07.0 - 17:55:29.0</td>
<td>45706</td>
<td>48986</td>
<td>65023/19819</td>
<td>395/198</td>
<td>12.50</td>
<td>3281</td>
<td>0</td>
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<tr>
<td>G-H</td>
<td>17:57:40.0 - 18:01:26.0</td>
<td>50616</td>
<td>53446</td>
<td>64870/19772</td>
<td>422/212</td>
<td>12.50</td>
<td>2831</td>
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<tr>
<td>I-J</td>
<td>18:04:21.0 - 18:12:13.0</td>
<td>55636</td>
<td>61526</td>
<td>64924/19789</td>
<td>404/203</td>
<td>12.50</td>
<td>5891</td>
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<tr>
<td>J-K</td>
<td>18:12:26.0 - 18:21:17.0</td>
<td>61696</td>
<td>68336</td>
<td>65500/19964</td>
<td>410/206</td>
<td>12.50</td>
<td>6641</td>
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<tr>
<td>K-L</td>
<td>18:21:57.0 - 18:39:01.0</td>
<td>68826</td>
<td>81626</td>
<td>65581/19989</td>
<td>414/208</td>
<td>12.50</td>
<td>12801</td>
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<tr>
<td>L-M</td>
<td>18:40:46.0 - 18:42:55.0</td>
<td>82946</td>
<td>84556</td>
<td>65071/19834</td>
<td>422/212</td>
<td>12.50</td>
<td>1611</td>
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<tr>
<td>N-O</td>
<td>18:56:43.0 - 18:57:44.0</td>
<td>94906</td>
<td>95666</td>
<td>65948/20101</td>
<td>415/208</td>
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<tr>
<td>P-Q</td>
<td>19:03:01.0 - 19:05:59.0</td>
<td>99636</td>
<td>101856</td>
<td>65749/20040</td>
<td>412/207</td>
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<td>2221</td>
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<tr>
<td>R-S</td>
<td>19:12:22.0 - 19:16:14.0</td>
<td>106646</td>
<td>109546</td>
<td>65860/20074</td>
<td>408/205</td>
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<tr>
<td>P-M</td>
<td>19:36:20.0 - 19:38:38.0</td>
<td>124616</td>
<td>126336</td>
<td>65089/19839</td>
<td>411/206</td>
<td>12.50</td>
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<td>T-U</td>
<td>19:40:50.0 - 19:45:18.0</td>
<td>127986</td>
<td>131336</td>
<td>64989/19809</td>
<td>414/208</td>
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<td>P-M</td>
<td>19:49:09.0 - 19:54:29.0</td>
<td>134226</td>
<td>138226</td>
<td>65392/19931</td>
<td>409/205</td>
<td>12.50</td>
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<td>L-M</td>
<td>19:59:46.0 - 20:02:22.0</td>
<td>142186</td>
<td>144146</td>
<td>65875/20079</td>
<td>420/211</td>
<td>12.50</td>
<td>1961</td>
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<td>T-V</td>
<td>20:07:46.0 - 20:10:31.0</td>
<td>148186</td>
<td>150256</td>
<td>66155/20164</td>
<td>407/204</td>
<td>12.50</td>
<td>2071</td>
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<tr>
<td>W-N</td>
<td>20:16:48.0 - 20:18:57.0</td>
<td>154966</td>
<td>156576</td>
<td>66232/20188</td>
<td>426/214</td>
<td>12.50</td>
<td>1611</td>
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</tbody>
</table>
Note: Channels 1 and 8 geographically offset from all other bands.