National Aeronautics and Space Administration

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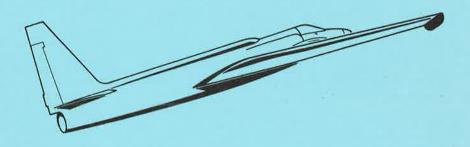
Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 75-150

Date 25 August 1975

FSR-725





Data Research and Management Branch

Applications Division

Ames Research Center, Moffett Field, California

NASA / ARC

Airborne Instrumentation Research Project FLIGHT SUMMARY REPORT

FSR: 725

Flight No: 75-150

Date: 25 August 1975

Aircraft No: 5

Julian Date: 237

Sensor Package:

RC-10

Purpose of Flight:

#0303 Support

Requestor: Estes

Area(s) Covered:

Central California Coast Range

SENSOR DATA

Accession No:

02206

Sensor ID No:

023

Sensor Type:

RC-10

Lens Focal Length:

6¹¹

Film Type:

Aerochrome Infrared,

2443

Filtration:

WRATTEN 12 + CC

.10C + 2.2 AV

Spectral Band:

510-900nm

f Stop:

5.6

Shutter Speed:

1/375

No. of Frames:

103

% Overlap:

60

Quality:

Excellent

Remarks:

LED Failure

FLIGHT SUMMARY

75-150

This flight was flown in support of Flight Request #0303 (Estes, University of California, Santa Barbara) under the FY 1976 Airborne Instrumentation Research Program (AIRP) plan. Photographic data was obtained over the central Coast Range of California (see Track Map).

The entire test area was clear except for coastal fog along the Pacific coastline. The Light Emitting Diodes (LED's) failed to read the Time Code Generator output resulting in a loss of data annotation on the imagery. Times (GMT) listed in the Flight Line Data were approximated from the Pilot's flight log. The imagery obtained is of excellent quality with no other camera or processing malfunctions noted.

FLIGHT NO. 75-150

RC-10

| | Check Points | Frame Numbers | ** Time (GMT-hr, min, sec) | | Altitude, MSL | Olaved Oaves / Dansed v |
|--------|-----------------|------------------|-------------------------------|----------|---------------|--|
| | | | START | END | feet/meters | Cloud Cover/Remarks |
| | a-b | 6374-6396 | 18:26:00 | 18:49:00 | 65,000 | 10% coastal fog, fr. 6396 |
| | c-d | 6397-6429 | 18:52:30 | 19:22:30 | 10 | 10-40% coastal fog, frs. 6397-6402; 20% coastal fog, fr. 6479 |
| 1 | e-f | 6430-6456 | 19:26:00 | 19:52:00 | п | 10-40% coastal fog, frs. 6455-6456 |
| ١ | g-h | 6457-6461 | 19:59:30 | 20:03:00 | u | 10-30% coastal fog, frs. 6457-6460 |
| ١ | i-j | 6462-6476 | 20:09:30 | 20:22:30 | ü | 10-20% coastal fog |
| 1 25 4 | | | | Ñ. | | ** LED MALFUNCTION - TIMES APPROXIMATED FROM PILOT'S LOG |
| | | | - 0 | | | 1 gs |

