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National Aeronautics and Space Administration

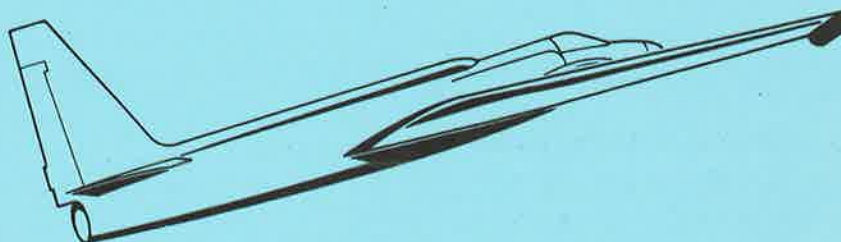
Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 75-148

Date 20 August 1975

FSR- 723



Data Research and Management Branch

Applications Division

Ames Research Center, Moffett Field, California

NASA / ARC
Airborne Instrumentation Research Project
FLIGHT SUMMARY REPORT

FSR: 723

Flight No: 75-148

Date: 20 August 1975

Aircraft No: 5

Julian Date: 232

Sensor Package: RC-10

Purpose of Flight: #0303 Support
Requestor: Estes

Area(s) Covered: San Joaquin Valley, California

SENSOR DATA

Accession No:

02190

Sensor ID No:

023

Sensor Type:

RC-10

Lens Focal Length:

6"

Film Type:

Aerochrome Infrared,
2443

Filtration:

WRATTEN 12 + CC
.20B + 2.2 AV

Spectral Band:

510-900nm

f Stop:

5.6

Shutter Speed:

1/300

No. of Frames:

102

% Overlap:

60

Quality:

Excellent

Remarks:

LED Failure

FLIGHT SUMMARY

75-148

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. The flight provides coverage over the San Joaquin Valley of California (see Track Map).

Light scattered cumulus clouds were encountered over the southern and western edges of the valley while the valley floor was clear. The Light Emitting Diodes (LED's) failed to read the Time Code Generator output resulting in a loss of data annotation on the imagery. The times (GMT) listed in the Flight Line Data were approximated from the pilot's log. The imagery is of excellent quality with no other camera or processing malfunctions noted.

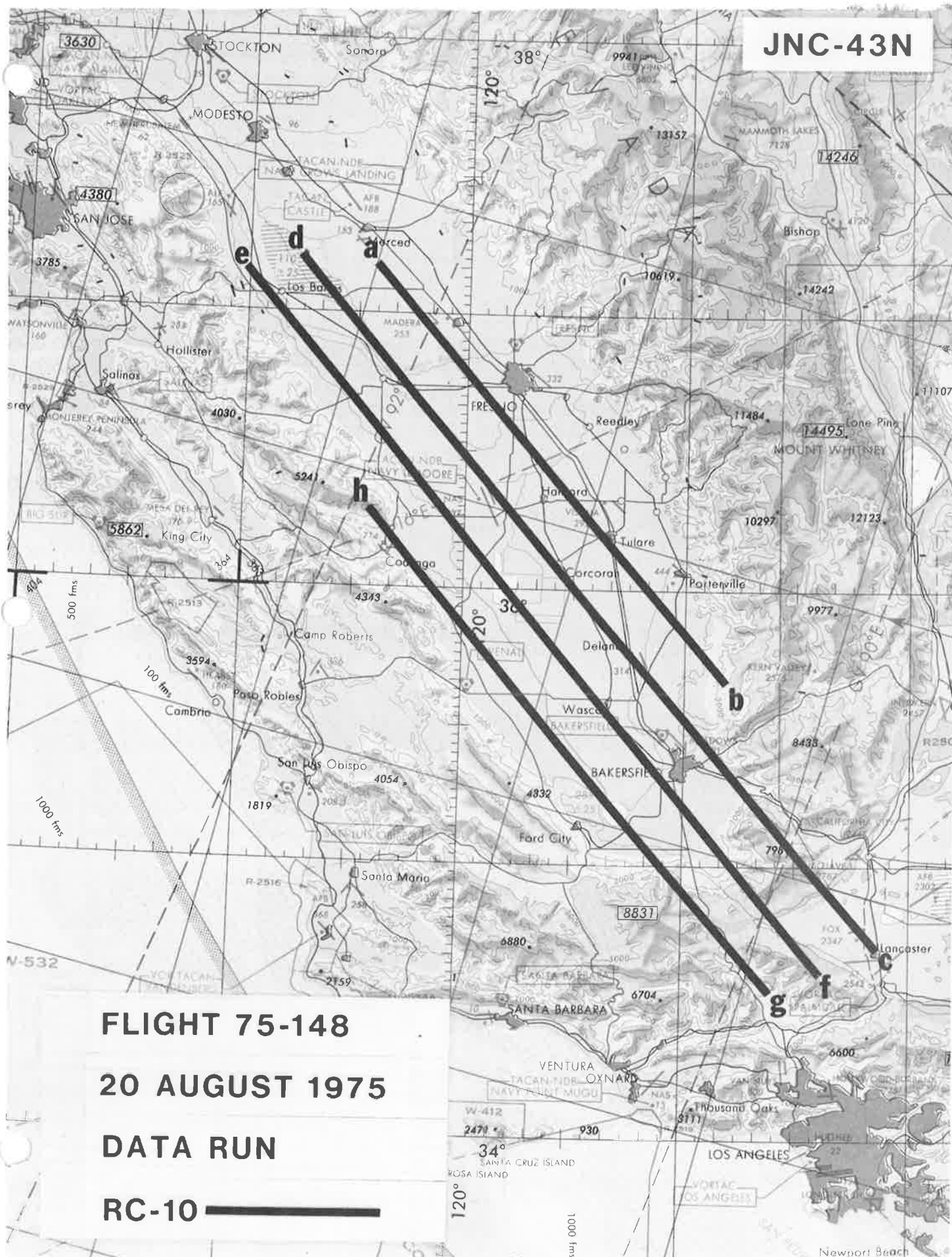
FLIGHT LINE DATA

FLIGHT NO. 75-148

RC-10

| Check Points | Frame Numbers | ** Time (GMT— hr, min, sec) | | Altitude, MSL feet/meters | Cloud Cover/Remarks |
|--|---------------|-----------------------------|----------|------------------------------|--|
| | | START | END | | |
| a-b | 3867-3887 | 17:24:00 | 17:39:30 | 65,000 | 10-50% cumulus, frs. 3886-3887 |
| c-d | 3888-3916 | 17:57:00 | 18:24:30 | " | 10-40% scattered cumulus, frs. 3891-3898 |
| e-f | 3917-3948 | 18:27:00 | 18:55:30 | " | 10-40% scattered cumulus, frs. 3939-3948 |
| g-h | 3949-3968 | 19:01:00 | 19:20:00 | " | 10-50% scattered cumulus |
| **LED FAILURE - TIME APPROXIMATED FROM PILOT's LOG | | | | | |

JNC-43N



FLIGHT 75-148

20 AUGUST 1975

DATA RUN

RC-10