

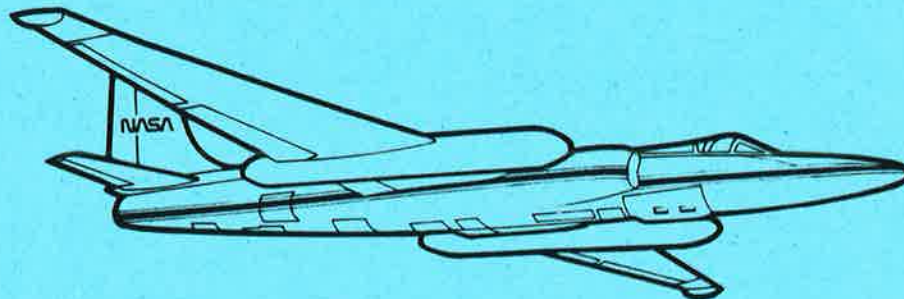
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## Airborne Instrumentation Research Project

# Flight Summary Report

**Flight No.** 86-186

**Date** 7 August 1986



**Science and Applications Aircraft Division**

**NASA**

National Aeronautics and  
Space Administration

**Ames Research Center**  
Moffett Field, California 94035

## FLIGHT SUMMARY REPORT

Flight Number: 86-186

Date: 7 August 1986

Julian Date: 219

Sensor Package: Dual RC-10 Camera

Aircraft No: 708

Purpose of Flight: Functional Check  
Flight

Area(s) Covered: California and Nevada

### SENSOR DATA

|                |                                |  |
|----------------|--------------------------------|--|
| Accession No:  | 03580                          | 03581                                  |
| Sensor ID No:  | 026                            | 036                                    |
| Sensor Type:   | RC-10                          | RC-10                                  |
| Focal Length:  | 12"<br>304.97mm                | 6"<br>153.19mm                         |
| Film Type:     | Aerochrome Infrared,<br>SO-193 | Panatomic X<br>Aerographic II,<br>2412 |
| Filtration:    | Wratten 12 + cc.20B            | Wratten 12 + 2.2AV                     |
| Spectral Band: | 510-900nm                      | 510-700nm                              |
| f Stop:        | 8                              | 5.6                                    |
| Shutter Speed: | 1/250                          | 1/225                                  |
| No. of Frames: | 36                             | 21                                     |
| % Overlap:     | 60                             | 60                                     |
| Quality:       | Excellent                      | Excellent                              |
| Remarks:       |                                |  |

## FLIGHT SUMMARY

86-186

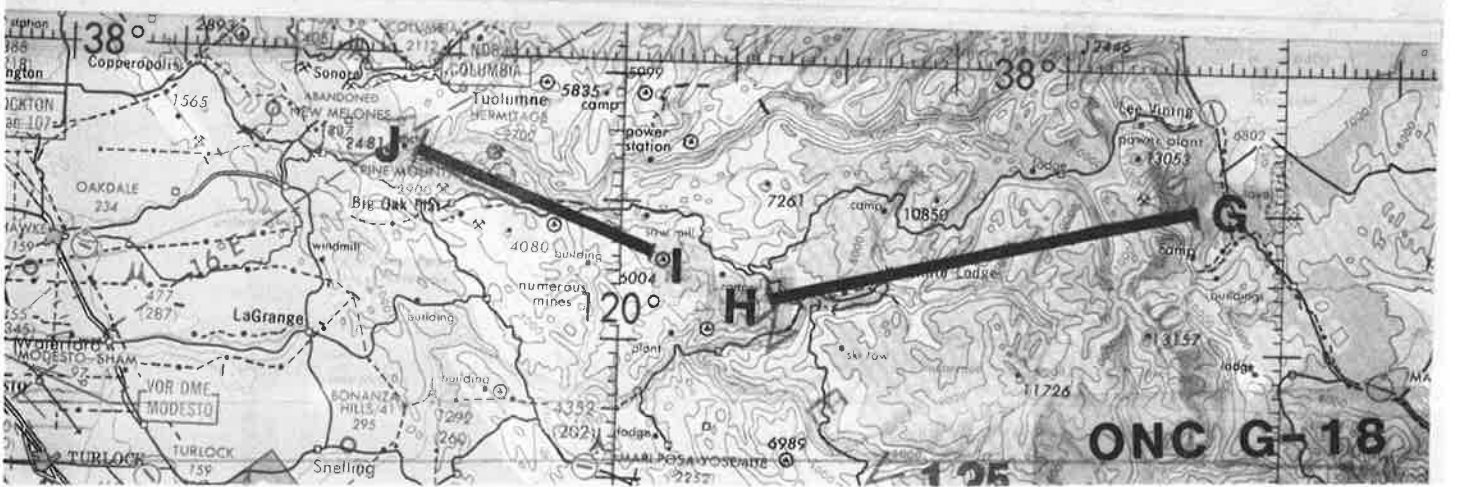
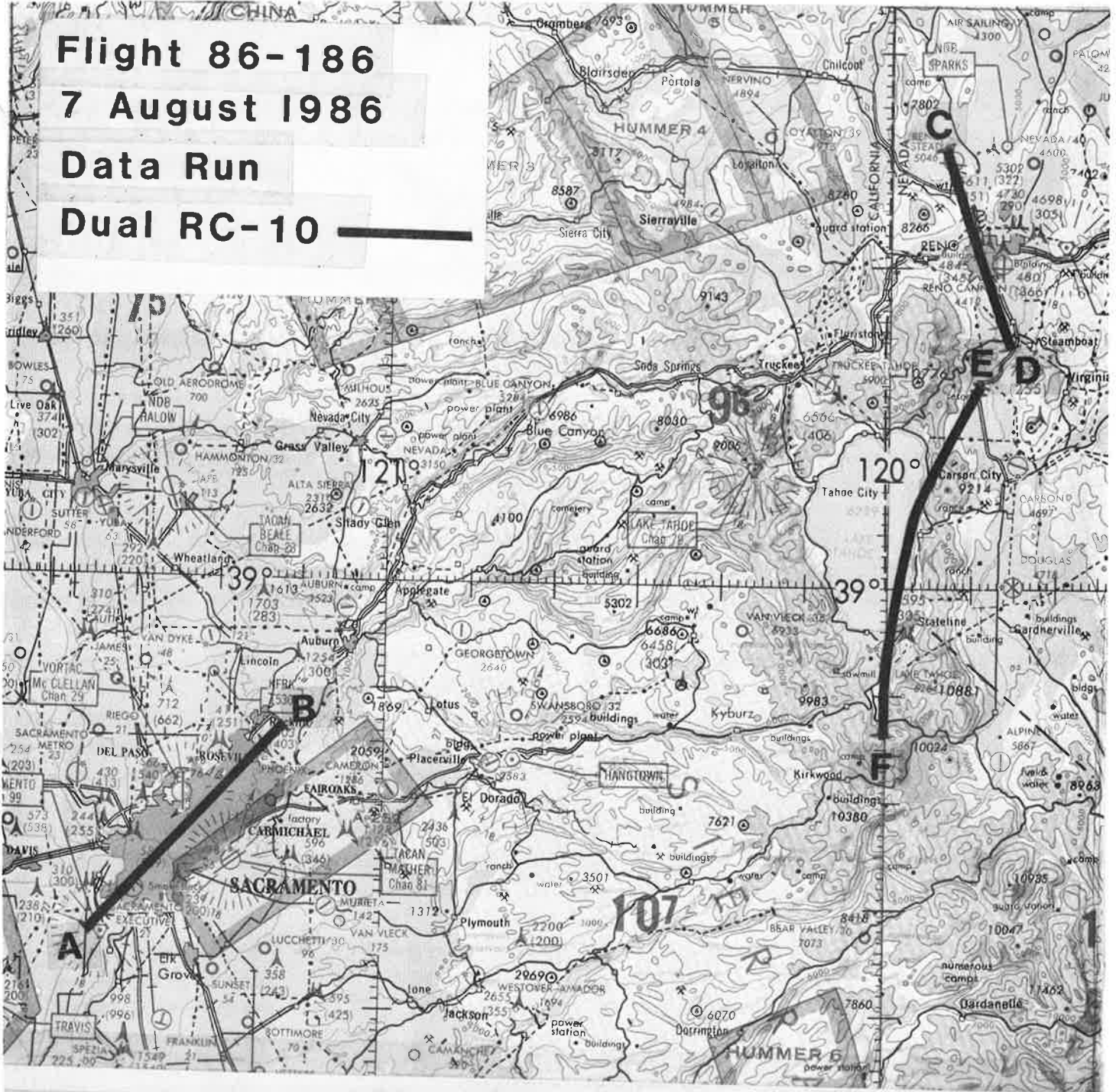
This flight is a functional ckeck flight of the aircraft and camera systems prior to the Alaska deployment. The dual RC-10 camera system acquired data over northern California and western Nevada (see Track Map).

Those areas flown were cloud-free. No camera or processing malfunctions were noted and the quality of the data is rated excellent.

CAMERA FLIGHT LINE DATA  
 FLIGHT NO. 86-186

| Sensor # | Check Points | Frame Numbers | Time (GMT-hr, min, sec) |          | Altitude, MSL<br>feet/meters | Cloud Cover/Remarks |
|----------|--------------|---------------|-------------------------|----------|------------------------------|---------------------|
|          |              |               | START                   | END      |                              |                     |
| 026      | A-B          | 1605-1610     | 18:45:16                | 18:47:30 | 65000/19800                  | Clear               |
|          | C-D          | 1611-1616     | 19:03:20                | 19:05:26 | "                            | Clear               |
|          | E-F          | 1617-1626     | 19:07:07                | 19:11:27 | "                            | Clear               |
|          | G-H          | 1627-1634     | 19:27:14                | 19:30:36 | "                            | Clear               |
|          | I-J          | 1635-1640     | 19:32:37                | 19:34:29 | "                            | Clear               |
| 036      | A-B          | 3366-3369     | 18:45:03                | 18:47:00 | 65000/19800                  | Clear               |
|          | C-D          | 3370-3373     | 19:03:19                | 19:05:26 | "                            | Clear               |
|          | E-F          | 3374-3378     | 19:07:06                | 19:10:58 | "                            | Clear               |
|          | G-H          | 3379-3382     | 19:27:14                | 19:30:07 | "                            | Clear               |
|          | I-J          | 3383-3386     | 19:32:37                | 19:34:30 | "                            | Clear               |

**Flight 86-186**  
**7 August 1986**  
**Data Run**  
**Dual RC-10**



**ONC G-18**