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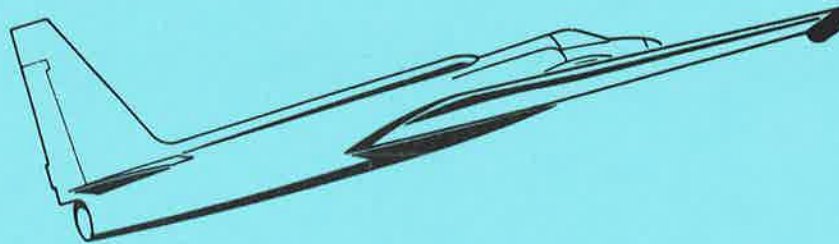
Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 81-103

Date 18 June 1981

FSR- 1512



NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 81-103

Date: 18 June 1981

FSR No: 1512

Julian Date: 169

Sensor Package: IRIS II Panoramic Camera

Aircraft No: 4

Purpose of Flight: #0903 Support
Requestor: Weber

Area(s) Covered: Northeastern U.S.

SENSOR DATA

| | |
|-----------------------|---|
| Accession No: | 02990 |
| Sensor ID No: | 066 |
| Sensor Type: | Itek IRIS II |
| Focal Length: | 24" 609.6mm |
| Film Type: | High Definition Aerochrome Infrared, SO-131 |
| Filtration: | CC .10C |
| Spectral Band: | 510-900nm |
| f Stop: | 3.5 |
| Shutter Speed: | 1/350 |
| No. of Frames: | 922 |
| % Overlap: | 60 |
| Quality: | Excellent |
| Remarks: | --- |

FLIGHT SUMMARY

81-103

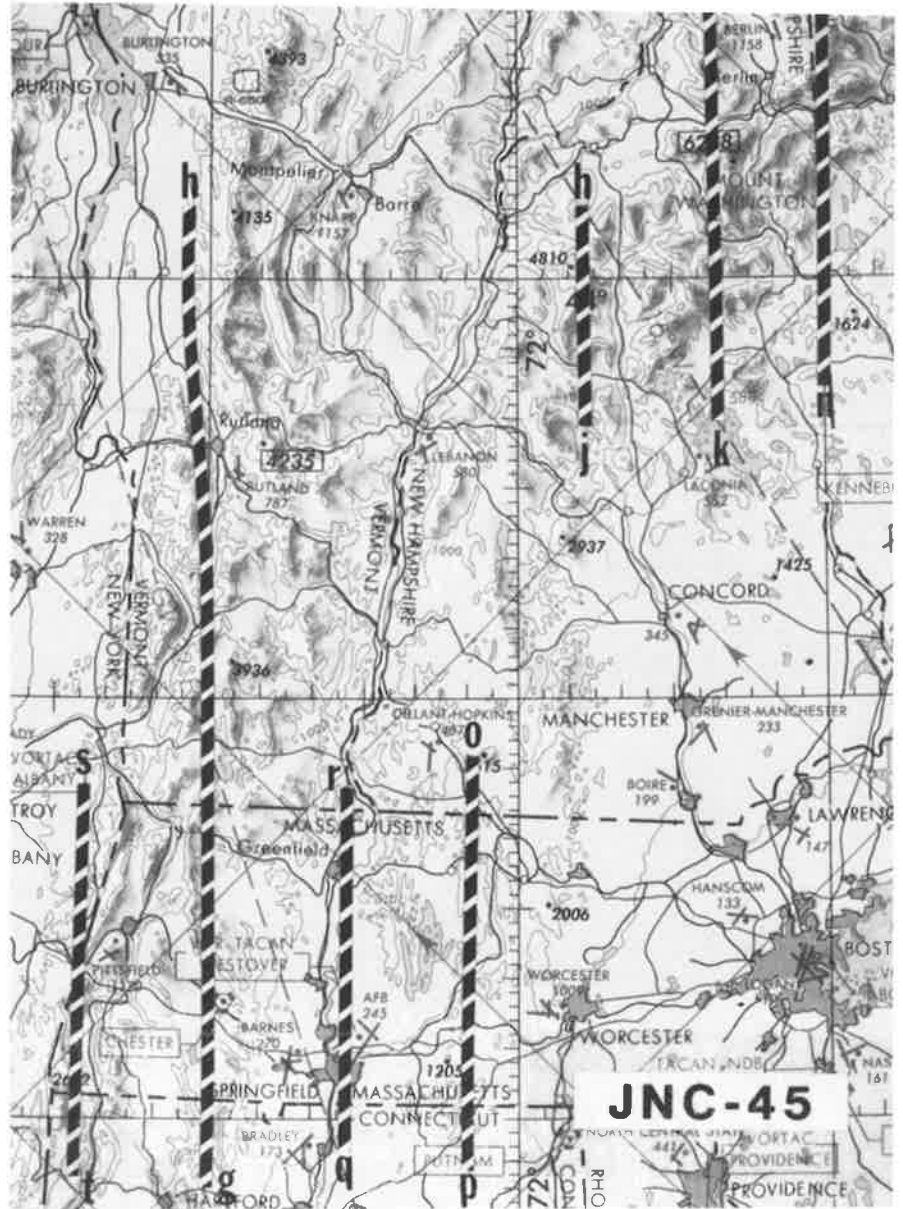
This flight was flown in support of Flight Request #0903 (Weber, US Fish and Wildlife Service) under the FY 1981 Airborne Instrumentation Research Program (AIRP). The Itek Iris II panoramic camera (140° FOV) was utilized to acquire photography over portions of the northeastern United States.

Minor to moderate cumulus were encountered throughout the flight (see Flight Line Data). Light leaks were encountered on the first and last frames of each flight line due to the film sitting in caged position. Also there were three occasions where the film mismetered. There were no processing malfunctions and the quality of the data is rated excellent.

FLIGHT LINE DATA

FLIGHT NO. 81-103

| Check Points | Frame Numbers | Time (GMT— hr, min, sec) | | Altitude, MSL feet/meters | Cloud Cover/Remarks |
|--------------|---------------|--------------------------|----------|------------------------------|---|
| | | START | END | | |
| A-B | 0001-0074 | 13:38:46 | 13:47:11 | 65,000/19800 | Light leak, frs. 0001, 0074; film mismetered, frs. 0039-0042; film splice, fr. 0050 |
| C-D | 0075-0153 | 13:53:35 | 14:01:21 | " | Light leak, fr. 0153 |
| E-F | 0154-0262 | 14:13:55 | 14:26:01 | " | Light leak, frs. 0154, 0262 |
| G-H | 0263-0439 | 14:40:28 | 14:59:04 | " | Light leak, frs. 0263, 0439; film mismetered, fr. 0263; minor to moderate cumulus, frs. 0300-0439 |
| I-J | 0440-0475 | 15:11:52 | 15:14:48 | " | Light leak, frs. 0440, 0475; film mismetered, fr. 0440; minor cumulus, frs. 0440-0475 |
| K-L | 0476-0549 | 15:19:22 | 15:27:33 | " | Light leak, frs. 0476, 0549; minor cumulus, frs. 0476-0534; film splice, fr. 0534 |
| M-N | 0550-0613 | 15:33:38 | 15:39:44 | " | Light leak, frs. 0550, 0613; minor cumulus, frs. 0550-0613 |
| O-P | 0614-0691 | 15:52:58 | 16:01:36 | " | Light leak, frs. 0614, 0691; minor to moderate cumulus, frs. 0614-0691 |
| Q-R | 0692-0754 | 16:06:42 | 16:12:39 | " | Light leak, frs. 0692, 0754; minor cumulus, frs. 0692-0754 |
| S-T | 0755-0832 | 16:20:07 | 16:28:44 | " | Light leak, frs. 0755, 0832; minor to moderate cumulus, frs. 0755-0832 |
| U-V | 0833-0922 | 16:42:18 | 16:52:53 | " | Light leak, fr. 0833; minor to moderate cumulus frs. 0833-0922 |



FLIGHT 81-103
18 June 1981
Data Run
Itek Iris II