

FLIGHT SUMMARY REPORT

Flight Number: 93-135
Calendar/Julian Date: 11 July 1993 • 192
Sensor Package: Wild-Heerbrug RC-10
Airborne Visible and Infrared Imaging
Spectrometer (AVIRIS)
Area(s) Covered: New England

Investigator(s): Aber, U. of New Hampshire

Aircraft #: 708

SENSOR DATA

Accession #:	04592	-----
Sensor ID #:	034	099
Sensor Type:	RC-10	AVIRIS
Focal Length:	12" 304.66 mm	-----
Film Type:	High Definition Aerochrome IR SO-131	-----
Filtration:	cc.10B	-----
Spectral Band:	510-900 nm	-----
f Stop:	4	-----
Shutter Speed:	1/150	-----
# of Frames:	51	-----
% Overlap:	60	-----
Quality:	Excellent	-----
Remarks:		

Camera Systems

Various camera systems and films are used for photographic data collection. Film types include high definition color infrared, natural color, and black and white emulsions. Available photographic systems are as follows:

- Wild-Heerbrug RC-10 metric mapping camera
 - 9 x 9 inch film format
 - 6 inch focal length lens provides area coverage of 16 x 16 nautical miles from 65,000 feet
 - 12 inch focal length lens provides area coverage of 8 x 8 nautical miles from 65,000 feet
- Hycon HR-732 large scale mapping camera
 - 9 x 18 inch film format
 - 24 inch focal length lens provides area coverage of 4 x 8 nautical miles from 65,000 feet
- IRIS II Panoramic camera
 - 4.5 x 34.7 inch film format
 - 24 inch focal length lens
 - 90 degree field of view provides area coverage of 2 x 21.4 nautical miles from 65,000 feet

The U.S. Geological Survey's EROS Data Center at Sioux Falls, South Dakota serves as the archive and product distribution facility for NASA-Ames aircraft acquired photographic and digital imagery. For information regarding photography and digital data (including areas of coverage, products, and product costs) contact EROS Data Center, Customer Services, Sioux Falls, South Dakota 57198 (Telephone: 605-594-6151).

For specific information regarding flight documentation, sensor parameters, and areas of coverage contact the Aircraft Data Facility, NASA-Ames Research Center, Mail Stop 240-6, Moffett Field, California 94035-1000 (Telephone: 415-604-6252). Additional information regarding ER-2 acquired photographic and digital data is also available through the Aircraft Data Facility.

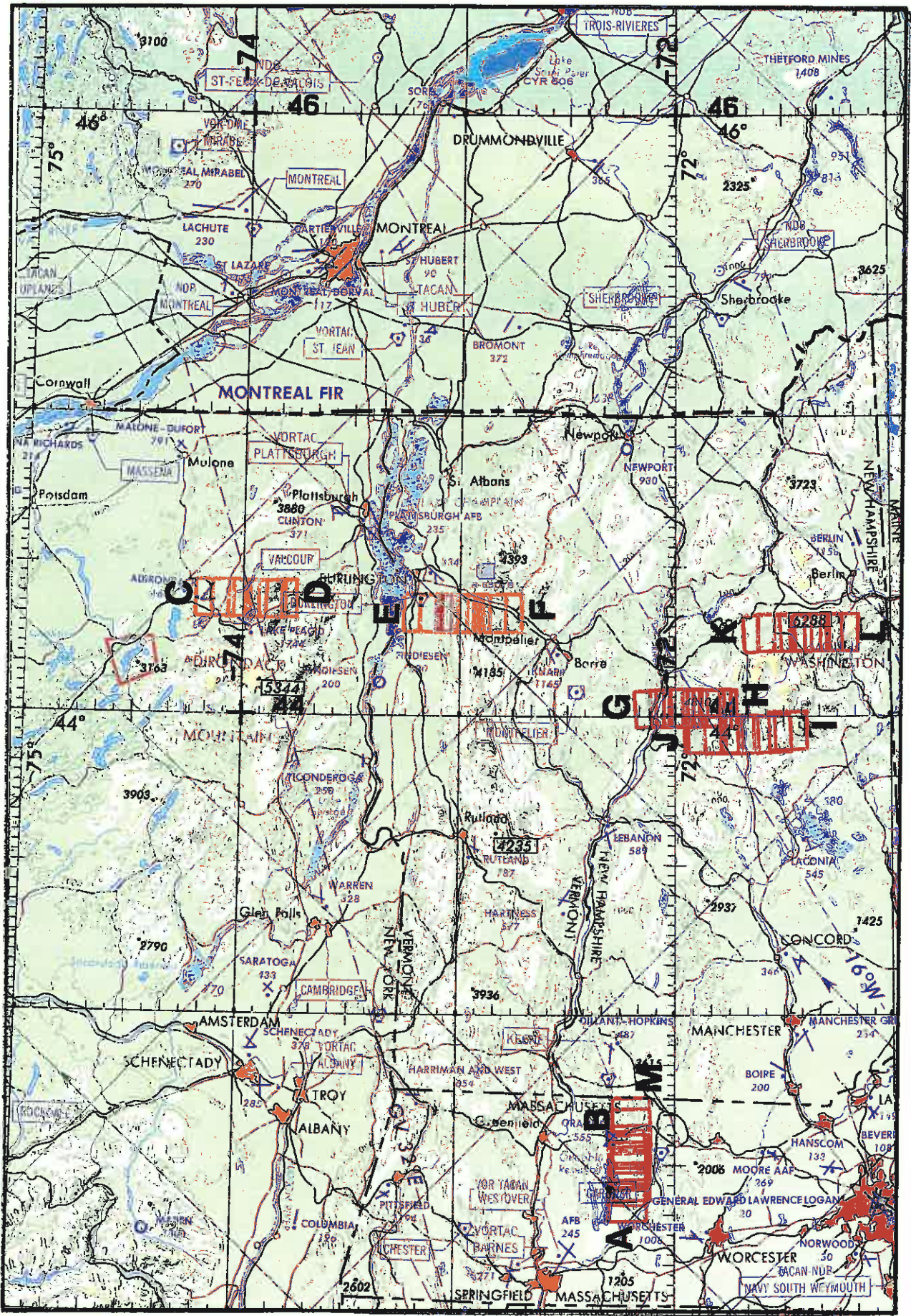
CAMERA FLIGHT LINE DATA
FLIGHT NO. 93-135

Accession # 04592

Sensor # 034

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	8930-8934	15:15:47	15:17:18	65000/19800	10-30% scattered cumulus
---	8935	15:37:26	---	"	30% scattered cumulus; oblique frame; Tupper Lake, New York
C - D	8937-8942	15:40:17	15:42:10	"	40-50% scattered cumulus
E - F	8943-8950	15:46:30	15:48:51	"	10-30% scattered cumulus
G - H	8951-8959	15:54:30	15:56:24	"	30-60% scattered cumulus
I - J	8960-8966	16:03:42	16:06:08	"	30-50% scattered cumulus
K - L	8967-8973	16:12:35	16:14:56	"	40-70% scattered cumulus
---	8974	16:35:22	---	"	10% scattered cumulus; Schoodic Peninsula, Maine
M - A	8975-8981	17:22:15	17:24:34	"	10-20% scattered cumulus

NOTE: Film transported without shutter function. No image for frame 8936



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