FLIGHT SUMMARY REPORT

Flight Number: 01-103

Calendar/Julian Date: 15 July 2001 • 196

Sensor Package: Wild-Heerbrugg RC-10
Airborne Visible and Infrared Imaging Spectrometer (AVIRIS)
Modis Airborne Simulator (MAS)
Airborne Multi-angle Spectro Radiometer (AirMISR)
Scanning High-Resolution Interferometer Sounder (S-HIS)

Area(s) Covered: Savage River State Forest, MD

Investigator(s): Townsend, U of Maryland **Aircraft #:** 806

SENSOR DATA

Accession #:	05625	-----	-----	-----	-----
Sensor ID #:	076	099	108	120	083
Sensor Type:	RC-10	AVIRIS	MAS50	AirMISR	S-HIS
Focal Length:	12” 304.89 mm	-----	-----	-----	-----
Film Type:	Aerochrome IR SO-134	-----	-----	-----	-----
Filtration:	Wratten 12	-----	-----	-----	-----
Spectral Band:	510-900nm	-----	-----	-----	-----
f Stop:	11	-----	-----	-----	-----
Shutter Speed:	1/350	-----	-----	-----	-----
# of Frames:	66	-----	-----	-----	-----
% Overlap:	60	-----	-----	-----	-----
Quality:	Excellent	-----	-----	-----	-----
Remarks:	Subtract 27 seconds for correct UTC				

CAMERA FLIGHT LINE DATA
FLIGHT NO. 01-103

Accession # 05625

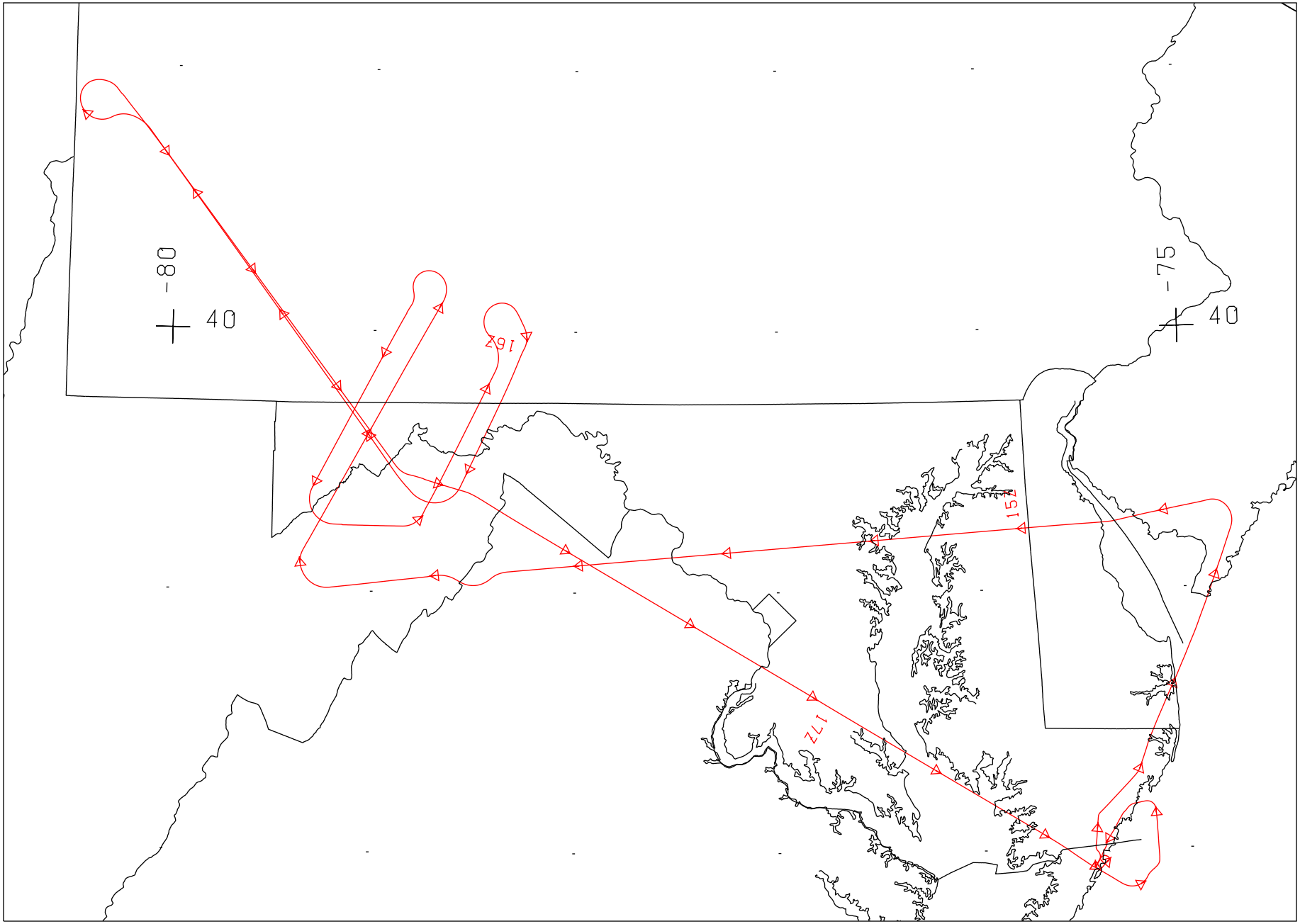
Sensor # 076

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	6700-6710	15:26:48	15:31:32	66200/20180	30-50% cumulus
C - D	6711-6724	15:39:32	15:45:17	64300/19600	20-50% cumulus
E - F	6725-6736	15:50:35	15:55:23	65000/19820	10-50% cumulus
G - H	6737-6747	16:01:24	16:05:44	65000/19820	10-60% cumulus
I - J	6748-6765	16:13:25	16:21:03	65700/20030	Minor-30% cumulus, frames 6748-6760

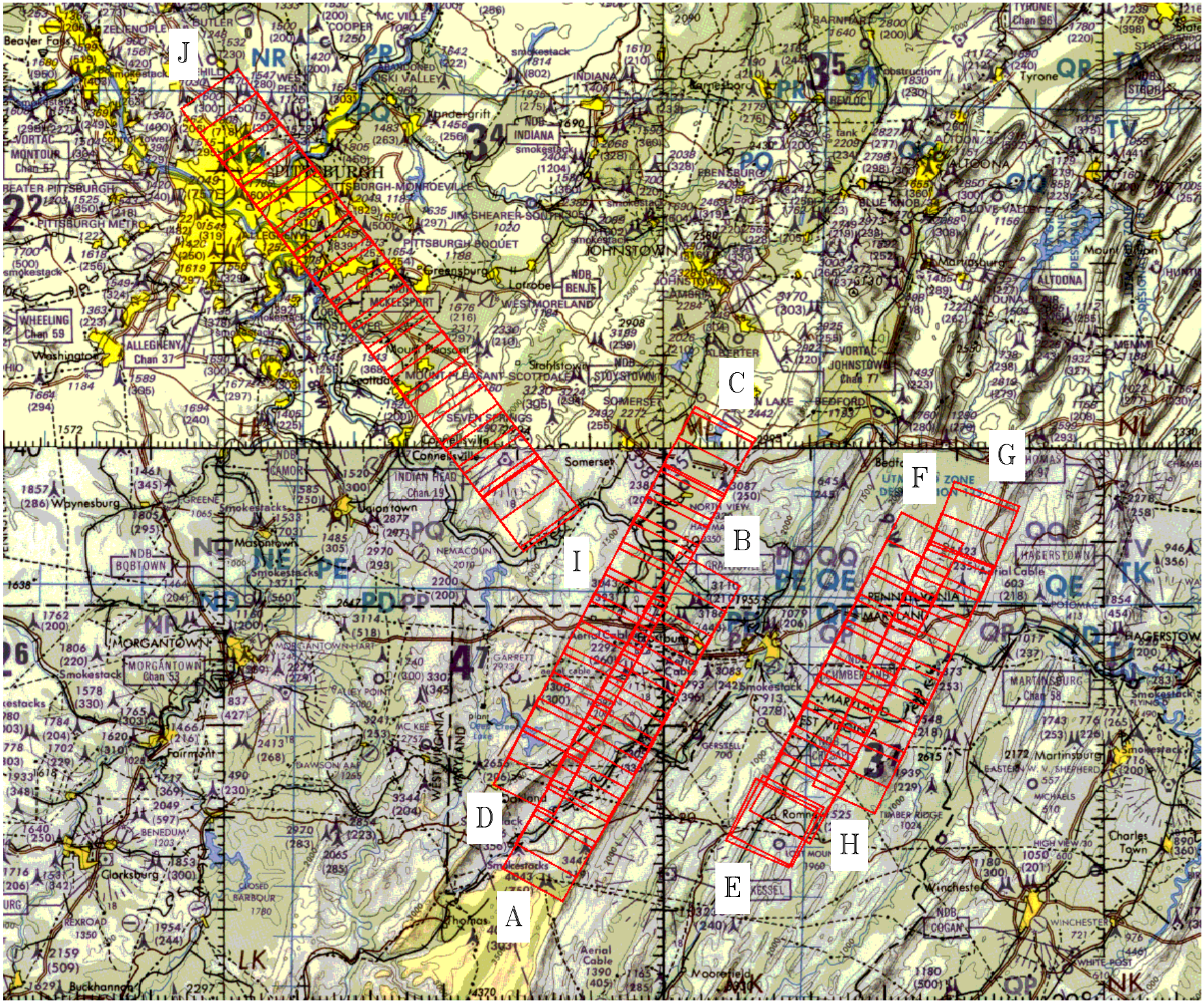
MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 15 Jul 2001
FLIGHT NUMBER 01-103

	START OF FLIGHT LINE						END OF FLIGHT LINE					
LINE	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	START HEADING	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	SCAN LINES
1	15:01:20	39.225	-75.993	42.4	258.9	266.03	15:17:16	39.224	-76.012	42.4	258.9	5945
2	15:19:52	39.063	-78.680	45.9	262.5	260.49	15:23:26	39.061	-78.700	45.9	262.6	1332
3	15:25:17	39.155	-79.333	46.9	263.6	29.85	15:35:03	39.168	-79.324	47.0	263.6	3645
4	15:37:56	40.099	-78.813	49.5	264.9	212.14	15:45:00	40.087	-78.823	49.5	264.9	2634
5	15:46:45	39.256	-79.184	51.1	267.3	93.14	15:49:08	39.255	-79.165	51.1	267.3	889
6	15:50:01	39.302	-78.742	51.7	267.7	27.39	15:55:24	39.315	-78.734	51.8	267.7	2006
7	16:00:10	39.936	-78.249	53.7	268.8	206.35	16:05:22	39.923	-78.258	53.7	268.8	1939
8	16:07:20	39.382	-78.802	55.1	270.3	318.19	16:22:16	39.393	-78.815	55.1	270.3	5573
9	16:26:57	40.906	-80.309	58.8	272.5	141.99	16:42:56	40.895	-80.297	58.8	272.6	5963
10	16:43:33	39.449	-78.813	62.1	275.9	103.11	16:45:33	39.445	-78.795	62.1	276.0	750
11	16:45:39	39.382	-78.522	62.5	276.3	111.08	16:54:27	39.376	-78.505	62.5	276.3	3283

NUMBER OF FILES FOR THIS FLIGHT = 11
TOTAL NUMBER OF SCAN LINES = 33959
DATE THESE FILES WERE PROCESSED = 04-Oct-2001
DATE THIS LIST WAS CREATED = Fri Oct 5 10:02:33 PDT 2001
GRANULE VERSION = 1



FLIGHT 01-103 15 JULY 2001 A/C 806 RC-10 / AVIRIS / MAS50 / AIRMISR / SCANNING HIS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MARTINSBURG
Greensburg
Latrobe
Somerset
Uniontown
Connellsville
Waynesburg
Fairmont
Clarksburg
Winchester
Charles Town
Mount Pleasant
Mount Union
Tyrone
Beaver Falls
Washington
Buckhannon
Moorefield
Romney
Thomas
Oakland
Cumberland
Bedford
Hollidaysburg
Ebensburg
Blue Knob
Cove Valley
Pittsburgh Bouquet
Jim Shearer South
Pittsburgh-Monroeville
Pittsburgh Metro
Seven Springs
Mount Pleasant
Scottdale
Stahlstown
Somerset
Nemacolin
Garrett
Valley Point
Dawson Aaf
Mc Kee
Gerstell
Timber Ridge
High View
Michaels
Eastern W. V. Shepherd
Pennsylvania
Maryland
West Virginia
Aerial Cable
Smokestacks
Smokestack
Obstruction
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Chan 37
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Ndb Stoystown
Ndb Camor
Ndb Bobtown
Ndb Cogan
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