FLIGHT SUMMARY REPORT

Flight Number: 01-102

Calendar/Julian Date: 13 July 2001 • 194

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: Hudson River Estuary; Shenandoah National Park, VA
Green Ridge State Forest, MD

Investigator(s): Bagheri, NJ Institute of Technology
Townsend, U of Maryland

Aircraft #: 806

SENSOR DATA

Accession #:	05624	-----	-----	-----	-----
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:	94	-----	-----	-----	-----
% Overlap:	60	-----	-----	-----	-----
Quality:	Excellent	-----	-----	-----	-----
Remarks:	Subtract 25 seconds for correct UTC				

CAMERA FLIGHT LINE DATA
FLIGHT NO. 01-102

Accession # 05624

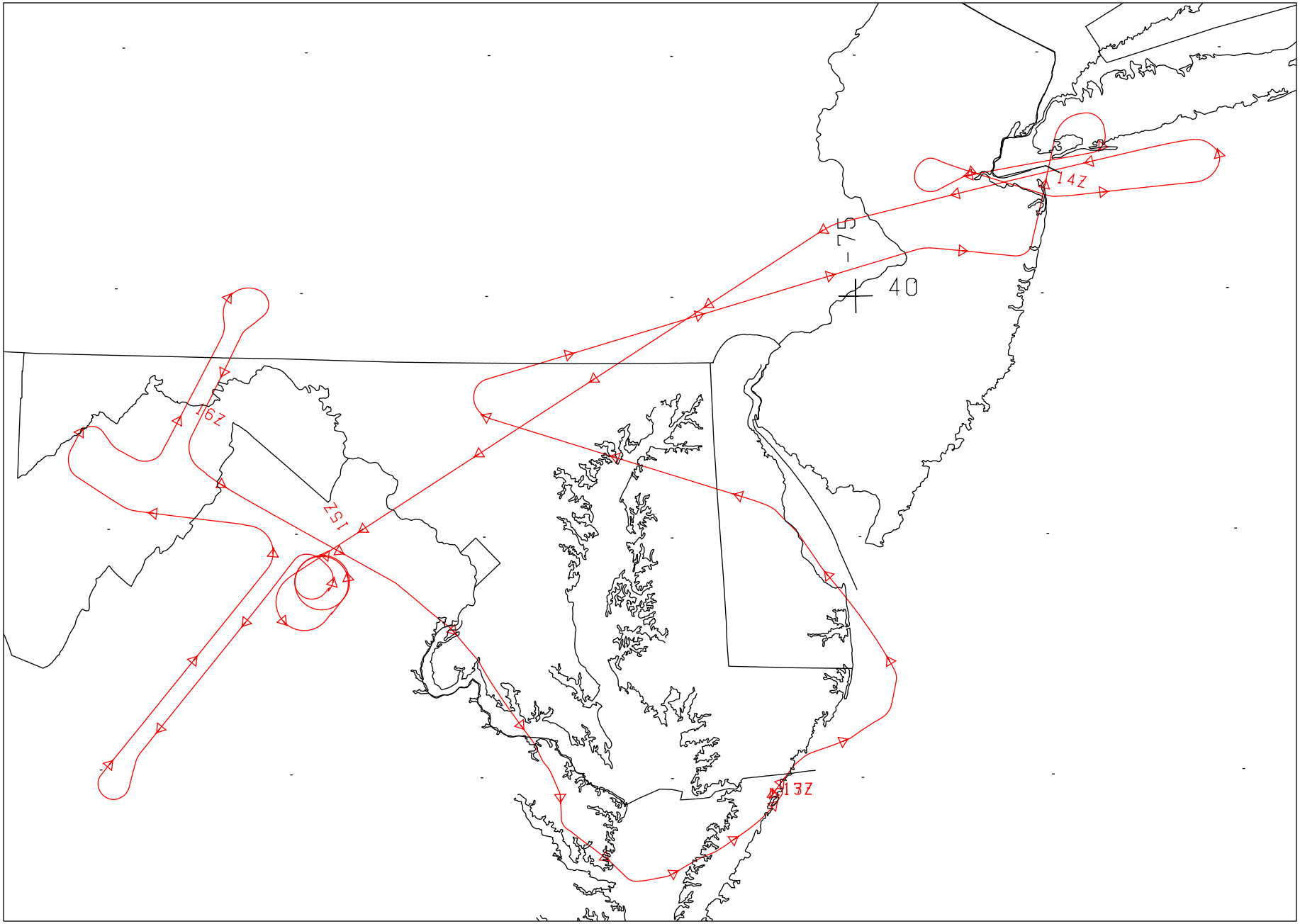
Sensor # 076

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	6594-6599	13:58:52	14:01:14	64900/19790	Clear
C - D	6600-6610	14:05:38	14:09:59	64500/19660	Clear, frame 6600 oblique
E - F	6611-6620	14:13:57	14:17:49	64700/19730	Minor cumulus, frame 6611
G - H	6621-6634	14:28:21	14:34:06	64900/19790	Minor cumulus, frames 6630-6634
I - J	6635-6654	15:22:09	15:30:43	64600/19700	Minor-30% cumulus
K - L	6655-6676	15:34:27	15:43:58	64800/19760	10-30% cumulus; frame 6655 oblique
M - N	6677-6687	15:58:40	16:02:59	64200/19570	30-40% cumulus

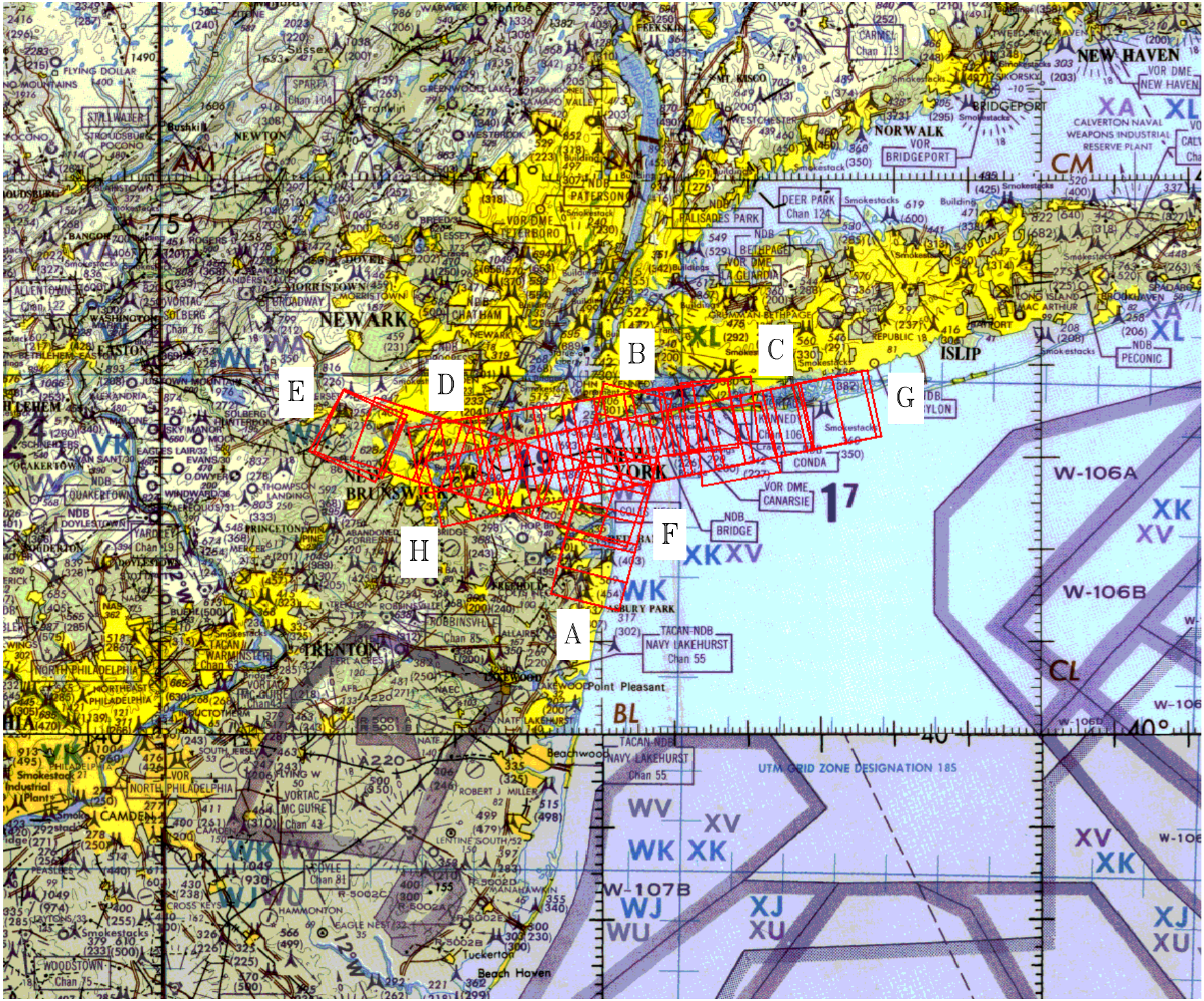
MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 13 Jul 2001
FLIGHT 01-102

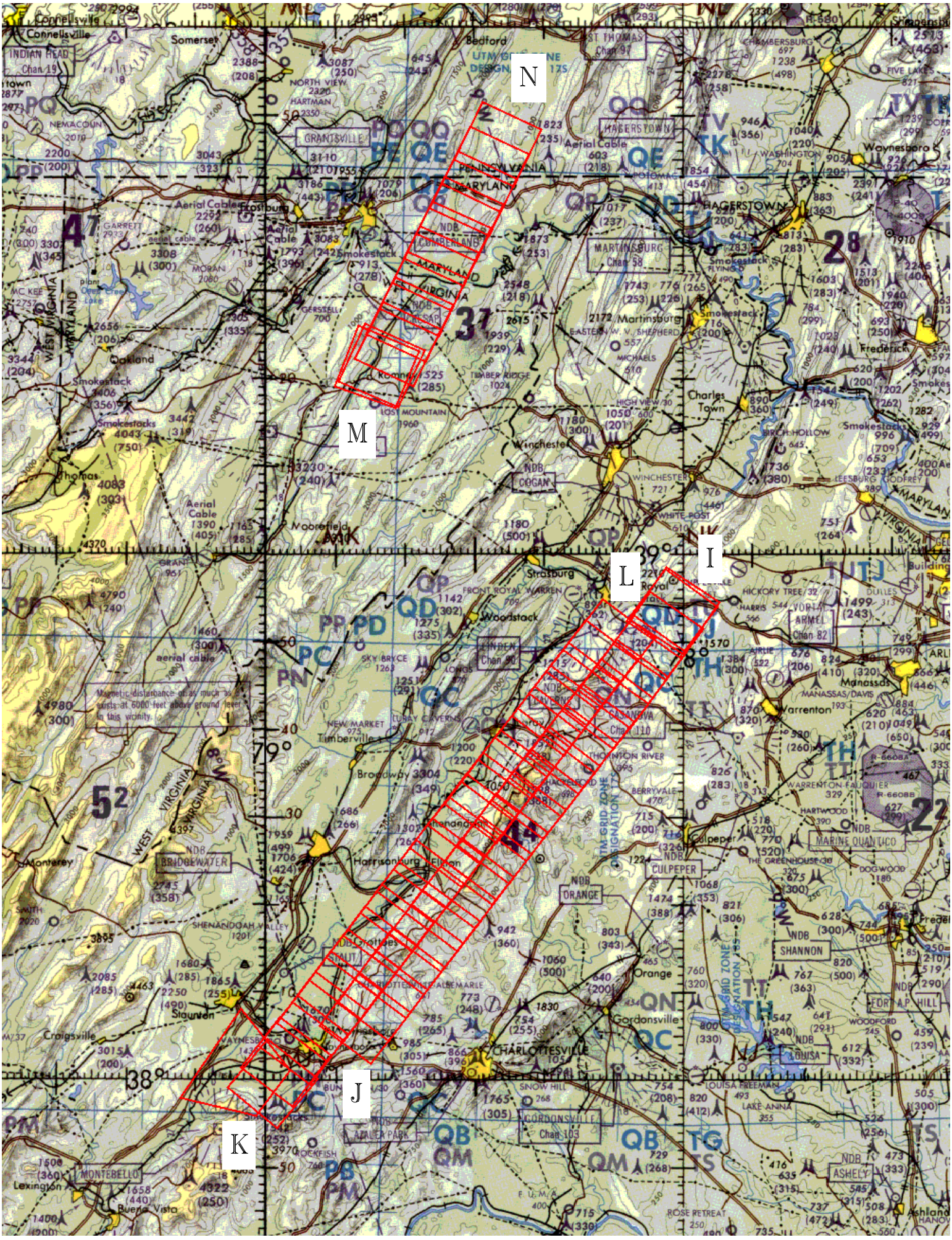
	START OF FLIGHT LINE						END OF FLIGHT LINE					
LINE	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	START HEADING	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN	SOLAR AZIM	SCAN LINES
1	13:30:52	39.366	-76.428	26.1	234.6	287.68	13:34:44	39.370	-76.446	26.1	234.6	1443
2	13:36:40	39.656	-76.990	27.0	236.7	72.67	13:56:44	39.660	-76.972	27.0	236.8	7493
3	13:57:38	40.207	-74.042	30.8	242.7	9.73	14:01:37	40.221	-74.038	30.8	242.7	1490
4	14:05:13	40.577	-73.702	32.3	244.2	260.54	14:09:47	40.574	-73.721	32.4	244.3	1704
5	14:13:25	40.562	-74.551	33.6	246.9	114.50	14:17:40	40.556	-74.533	33.7	247.0	1587
6	14:17:58	40.399	-73.908	34.4	248.4	89.18	14:23:16	40.399	-73.889	34.4	248.4	1981
7	14:26:00	40.618	-73.169	36.0	249.8	263.36	14:39:05	40.616	-73.189	36.0	249.9	4888
8	14:39:13	40.299	-75.109	38.3	253.4	249.32	15:03:01	40.293	-75.127	38.3	253.5	8882
9	15:21:39	38.894	-78.000	46.0	263.6	216.38	15:30:39	38.882	-78.011	46.0	263.6	3361
10	15:34:00	37.980	-78.992	48.3	266.7	37.13	15:43:51	37.991	-78.981	48.3	266.7	3679
11	15:45:53	39.030	-78.235	50.7	267.6	280.58	15:50:06	39.033	-78.254	50.7	267.6	1573
12	15:50:37	39.098	-78.924	51.6	268.3	299.75	15:52:33	39.106	-78.941	51.6	268.3	725
13	15:58:08	39.331	-78.719	53.1	269.5	23.64	16:02:52	39.345	-78.711	53.1	269.5	1765
14	16:07:52	39.822	-78.311	54.9	270.6	204.44	16:12:00	39.809	-78.319	55.0	270.6	1543
15	16:13:22	39.264	-78.517	56.0	271.9	125.00	16:15:40	39.255	-78.501	56.0	272.0	861

NUMBER OF FILES FOR THIS FLIGHT = 15
TOTAL NUMBER OF SCAN LINES = 42975
DATE THESE FILES WERE PROCESSED = 04-Oct-2001
DATE THIS LIST WAS CREATED = Fri Oct 5 09:23:03 PDT 2001
GRANULE VERSION = 1



FLIGHT 01-102 13 JULY 2001 A/C 806 RC-10 / AVIRIS / MAS50 / AIRMISR / SCANNING HIS


A
B
C
D
E
F
G
H
NEW HAVEN
NORWALK
BRIDGEPORT
NEWARK
NEW YORK
NEW BRUNSWICK
TRENTON
ISLIP
CONDA
VOR DME CANARSIE
NDB BRIDGE
TACAN-NDB NAVY LAKEHURST Chan 55
Point Pleasant
W-106A
W-106B
W-107B
UTM GRID ZONE DESIGNATION 18S
CALVERTON NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
NDB PECONIC
NDB PATERSON
VOR DME TETERBORO
NDB PALISADES PARK
DEER PARK Chan 124
NDB BETHPAGE
VOR DME LA GUARDIA
NDB CHATHAM
VOR DME NEW HAVEN
VOR BRIDGEPORT
CARMEL Chan 113
SPARTA Chan 104
VORTAC SOLBERG Chan 76
VOR DME CANARSIE
NDB BRIDGE
NORTH PHILADELPHIA
VOR NORTH PHILADELPHIA
VORTAC MC GUIRE Chan 43
COYLE Chan 81
WOODSTOWN Chan 75
Beach Haven
Tuckerton
Beachwood
Smokestacks
Smokestack
Smokestacks Industrial Plants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M
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