

## FLIGHT SUMMARY REPORT

**Flight Number:** 01-107  
**Calendar/Julian Date:** 30 July 2001 • 211  
**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:** Mid-Atlantic Coast  
**Investigator(s):** Kahn, NASA-JPL **Aircraft #:** 806

### SENSOR DATA

<b>Accession #:</b>	05629	----	----	----	----
<b>Sensor ID #:</b>	076	099	108	120	083
<b>Sensor Type:</b>	RC-10	AVIRIS	MAS50	AirMISR	S-HIS
<b>Focal Length:</b>	12" 304.89 mm	----	----	----	----
<b>Film Type:</b>	Aerochrome IR SO-134	----	----	----	----
<b>Filtration:</b>	Wratten 12	----	----	----	----
<b>Spectral Band:</b>	510-900nm	----	----	----	----
<b>f Stop:</b>	11	----	----	----	----
<b>Shutter Speed:</b>	1/300	----	----	----	----
<b># of Frames:</b>	35	----	----	----	----
<b>% Overlap:</b>	60	----	----	----	----
<b>Quality:</b>	Excellent	----	----	----	----
<b>Remarks:</b>	Subtract 39 seconds for correct UTC				

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 01-107**

Accession # 05629

Sensor # 076

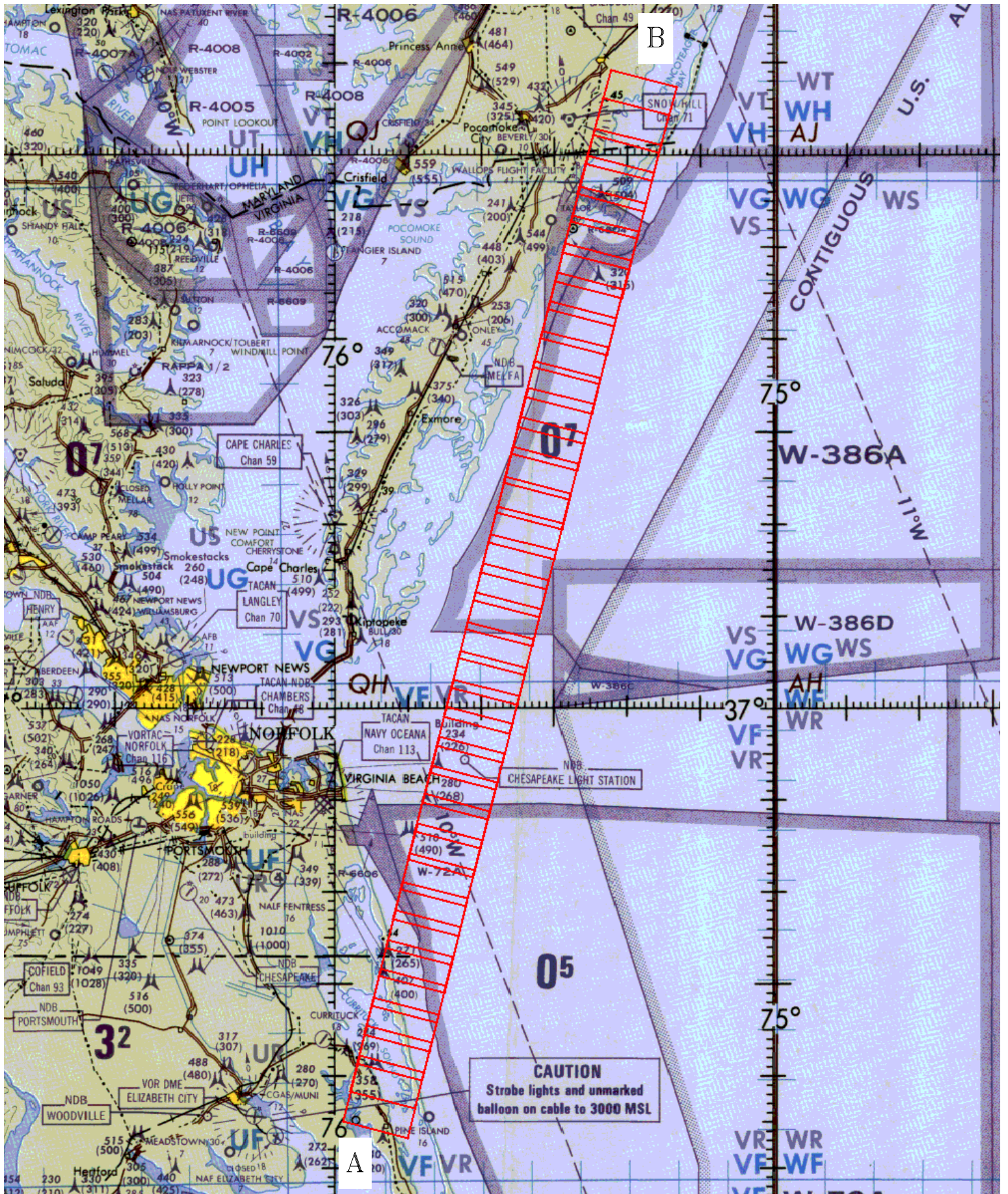
Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	7221-7255	18:48:19	19:04:37	64900/19790	50-100% cumulus, frames 7221-7230 and 7248-7253; 10-40% cumulus, frames 7231-7247 and 7254-7255

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 30 Jul 2001  
 FLIGHT 01-107

START OF FLIGHT LINE							END OF FLIGHT LINE					
LINE	TIME	LAT	LON	SOLAR		START	TIME	LAT	LON	SOLAR		SCAN
	HH:MM:SS	DEG	DEG	ZEN	AZIM	HEADING		HH:MM:SS	DEG	DEG	ZEN	AZIM
1	16:54:41	37.476	-74.054	66.1	275.6	262.83	17:03:02	37.474	-74.073	66.1	275.6	3116
2	17:05:31	37.157	-75.292	68.3	277.4	113.14	17:15:51	37.151	-75.275	68.3	277.4	3858
3	17:18:20	36.497	-74.093	70.9	279.3	294.29	17:28:45	36.504	-74.110	70.9	279.3	3887
4	17:31:32	36.813	-75.505	73.5	281.1	114.36	17:42:00	36.806	-75.489	73.5	281.1	3909
5	17:44:30	36.154	-74.314	76.1	283.0	291.57	17:54:39	36.160	-74.331	76.2	283.0	3788
6	17:55:39	36.633	-75.777	78.2	284.4	234.68	18:00:36	36.625	-75.792	78.2	284.4	1849
7	18:03:26	36.428	-76.500	79.8	285.6	57.75	18:17:14	36.436	-76.485	79.8	285.6	5154
8	18:22:11	37.421	-74.731	83.1	288.1	232.14	18:37:20	37.412	-74.746	83.1	288.1	5655
9	18:38:43	36.309	-76.507	86.6	290.6	152.06	18:42:24	36.296	-76.498	86.6	290.6	1370
10	18:44:51	35.986	-75.985	87.9	291.5	11.87	19:04:12	36.001	-75.981	87.9	291.5	7224

NUMBER OF FILES FOR THIS FLIGHT = 10  
 TOTAL NUMBER OF SCAN LINES = 39810  
 DATE THESE FILES WERE PROCESSED = 09-Oct-2001  
 DATE THIS LIST WAS CREATED = Tue Oct 9 18:09:12 PDT 2001  
 GRANULE VERSION = 1





B

A

**CAUTION**  
Strobe lights and unmarked  
balloon on cable to 3000 MSL