

## FLIGHT SUMMARY REPORT

**Flight Number:** 03-931/9031

**Calendar/Julian Date:** 10-11 March 2003 • 069-070

**Sensor Package:** Wild-Heerbrugg RC-10  
 MODIS Airborne Simulator (MAS)  
 NPOESS Atmospheric Sounding Testbed Interferometer (NAST-I)  
 NPOESS Atmospheric Sounding Testbed Microwave Temperature  
 Sounder (NAST-M)  
 High Resolution Interferometer Sounder (S-HIS)  
 In Situ Ozone (LaRCO<sub>3</sub>)  
 Mini Video Imaging System (MVIS)

**Area(s) Covered:** Pacific Ocean

**Investigator(s):** Smith, NASA-LRC **Aircraft #:** 809

### SENSOR DATA – Page 1/2

<b>Accession #:</b>	05768	—	—	—
<b>Sensor ID #:</b>	023	108	122	123
<b>Sensor Type:</b>	RC-10	MAS-50	NAST-I	NAST-M
<b>Focal Length:</b>	153.21 mm 6"	—	—	—
<b>Film Type:</b>	Panatomic X	—	—	—
<b>Filtration:</b>	Wratten 12 + 2.2 AV	—	—	—
<b>Spectral Band:</b>	510-700 nm	—	—	—
<b>f-Stop:</b>	5.6	—	—	—
<b>Shutter Speed:</b>	1/200	—	—	—
<b># of Frames:</b>	7	—	—	—
<b>% Overlap:</b>	60	—	—	—
<b>Quality:</b>	Excellent	—	—	—
<b>Remarks:</b>	Subtract 2 seconds for correct UTC			

**FLIGHT SUMMARY REPORT**

**SENSOR DATA – Page 2/2  
Flight #03-931/9031**

<b>Accession #:</b>	—	—	—
<b>Sensor ID #:</b>	083	138	136
<b>Sensor Type:</b>	S-HIS	LaRO <sub>3</sub>	MVIS
<b>Focal Length:</b>	—	—	—
<b>Film Type:</b>	—	—	—
<b>Filtration:</b>	—	—	—
<b>Spectral Band:</b>	—	—	—
<b>f-Stop:</b>	—	—	—
<b>Shutter Speed:</b>	—	—	—
<b># of Frames:</b>	—	—	—
<b>% Overlap:</b>	—	—	—
<b>Quality:</b>	—	—	—
<b>Remarks:</b>			

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 03-9031 / 03-931**

**Accession #** 05768

**Sensor #** 023

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A	6736-6742	1:40:50	1:45:29	65000/19820	100% cumulus

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 10 Mar 2003  
 NASA FLIGHT NUMBER 03-931

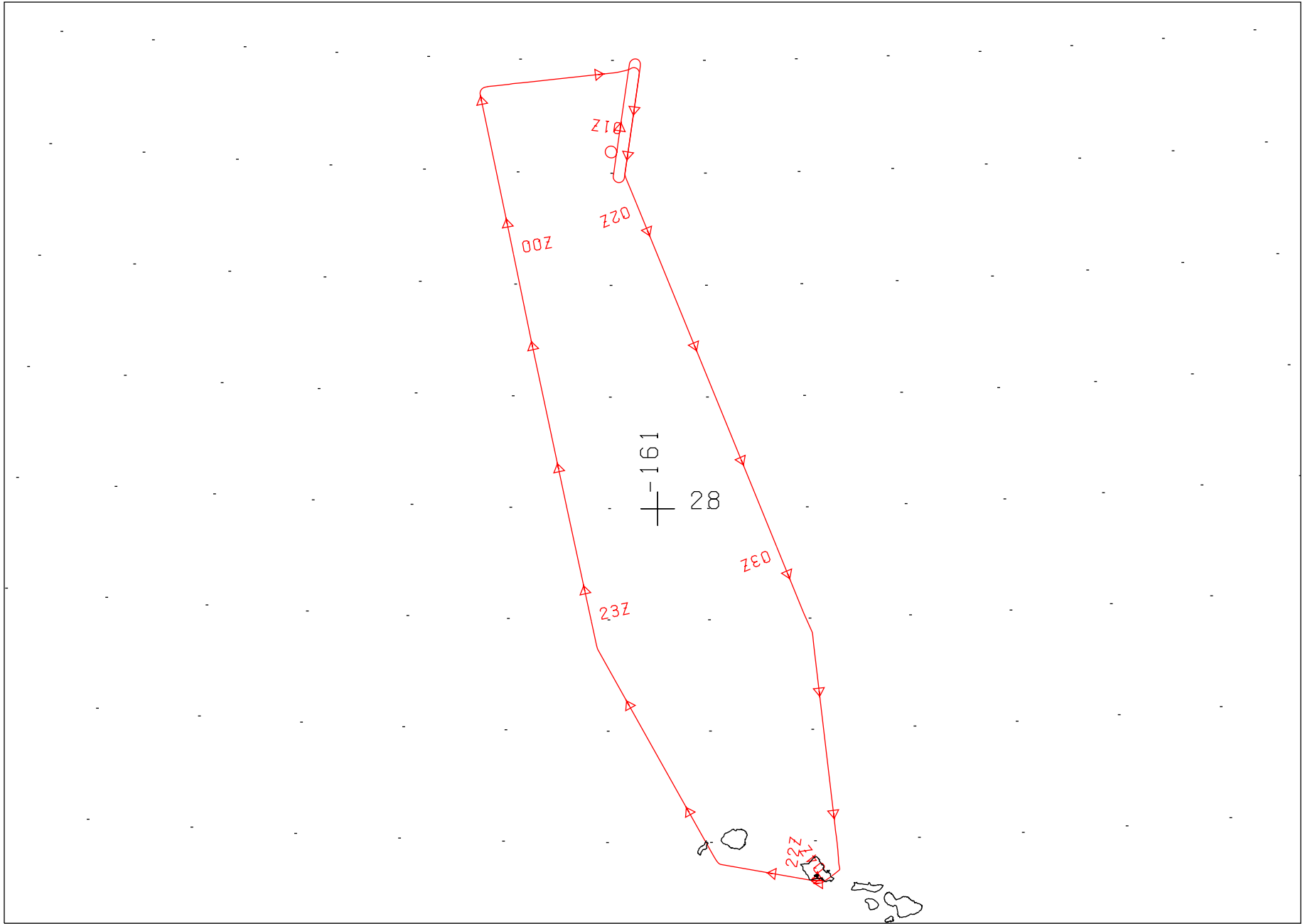
START OF FLIGHT LINE

END OF FLIGHT LINE

FLIGHT DATA

FLTL	START OF FLIGHT LINE					END OF FLIGHT LINE					FLIGHT DATA		
	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN AZIM		TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN AZIM		SCAN LINES	HEAD DEG	ALT M (MSL)
1	22:18:03	21.894	-160.017	27.1	161.9	22:45:00	24.465	-161.567	28.6	173.8	9999	331.9	19221
2	22:45:00	24.465	-161.567	28.6	173.8	22:55:13	25.452	-162.181	29.5	177.9	3810	331.7	19691
3	22:55:31	25.482	-162.196	29.5	178.0	23:22:19	28.415	-162.943	32.8	189.2	9999	345.0	19767
4	23:22:19	28.415	-162.943	32.8	189.2	23:49:06	31.343	-163.714	36.8	198.3	9999	347.5	19869
5	23:49:06	31.343	-163.714	36.8	198.3	00:15:54	34.251	-164.508	41.4	205.8	10001	346.5	19807
6	00:15:54	34.252	-164.509	41.4	205.8	00:25:56	35.349	-164.824	43.2	208.3	3744	345.3	19731
7	00:27:37	35.492	-164.711	43.5	208.9	00:31:09	35.550	-164.213	44.1	210.7	1319	80.6	19697
8	00:31:42	35.562	-164.138	44.2	211.0	00:49:28	35.835	-161.633	47.7	219.4	6629	77.1	19792
9	00:51:52	35.767	-161.388	48.1	220.4	01:08:30	33.925	-161.700	48.9	225.7	6210	190.0	19866
10	01:11:26	33.956	-161.938	49.2	226.2	01:15:02	34.355	-161.871	50.1	227.0	1344	6.9	19885
11	01:20:53	34.361	-161.867	51.0	228.5	01:34:56	35.929	-161.603	54.3	231.3	5245	5.9	19799
12	01:37:33	35.938	-161.364	54.9	232.1	01:54:55	34.010	-161.688	56.5	236.8	6482	185.2	19812
13	01:55:30	33.947	-161.681	56.5	237.0	02:22:18	31.178	-160.350	61.1	244.8	9999	162.9	19811
14	02:22:18	31.177	-160.350	61.1	244.8	02:49:06	28.419	-159.099	66.5	251.3	9999	160.7	19755
15	02:49:06	28.419	-159.098	66.5	251.3	03:14:58	25.763	-157.944	72.3	256.4	9660	159.3	19892
16	03:15:19	25.727	-157.933	72.5	256.1	03:32:41	23.801	-157.742	76.1	258.8	6482	173.9	19906

NUMBER OF FILES FOR THIS FLIGHT = 16  
 TOTAL NUMBER OF SCAN LINES = 110921  
 DATE THESE FILES WERE PROCESSED = 08-May-2003  
 DATE THIS LIST WAS CREATED = Fri May 9 11:02:11 PDT 2003  
 GRANULE VERSION = 1



FLIGHT 03-9031 / 03-931

10 MARCH 2003

A/C 809

THORPEX

