

## FLIGHT SUMMARY REPORT

**Flight Number:** 01-056  
**Calendar/Julian Date:** 01 April 2001 • 091  
**Sensor Package:** Wild-Heerbrugg RC-10  
 Hycon HR-732  
 Modis Airborne Simulator (MAS)  
 Video Imaging System (VIS)  
 Scanning High-Resolution Interferometer Sounder (S-HIS)  
**Area(s) Covered:** Southern Louisiana/Gulf of Mexico  
**Investigator(s):** Moeller, CIMSS; **Aircraft #:** 806  
 Handley, USBS National Wetlands Center

### SENSOR DATA

<b>Accession #:</b>	05597	05598	----	----	----
<b>Sensor ID #:</b>	039	034	108	118	083
<b>Sensor Type:</b>	HR732	RC-10	MAS50	VIS	S-HIS
<b>Focal Length:</b>	24" 609 mm	12" 304.66 mm	----	----	----
<b>Film Type:</b>	Aerochrome IR SO-134	Aerochrome IR SO-134	----	----	----
<b>Filtration:</b>	Wratten 12	Wratten 12	----	----	----
<b>Spectral Band:</b>	510-900nm	510-900nm	----	----	----
<b>f Stop:</b>	14.2	8	----	----	----
<b>Shutter Speed:</b>	1/250	1/325	----	----	----
<b># of Frames:</b>	221	6	----	----	----
<b>% Overlap:</b>	60	60	----	----	----
<b>Quality:</b>	Good	Excellent	----	----	----
<b>Remarks:</b>	Add 27 seconds for correct UTC	No offset to UTC			

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 01-056**

Accession # 05597

Sensor # 039

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	3090-3098	15:51:11	15:53:07	60400/18410	Clear; shutter malfunction, frame 3090
C - F	3099-3220	17:36:17	18:05:28	60200/18350	Minor-10% cumulus, frames 3210-3214
G - H	3221-3231	18:13:25	18:15:49	60200/18350	Clear; vacuum fails, frame 3227, soft focus for all subsequent frames
I - J	3232-3295	18:27:15	18:42:23	60200/18350	Clear; vacuum failure and soft focus
K - L	3296-3310	18:49:37	18:52:58	60200/18350	Clear; vacuum failure and soft focus
Processing scratches throughout roll					

**CAMERA FLIGHT LINE DATA**  
**FLIGHT NO. 01-056**

Accession # 05598

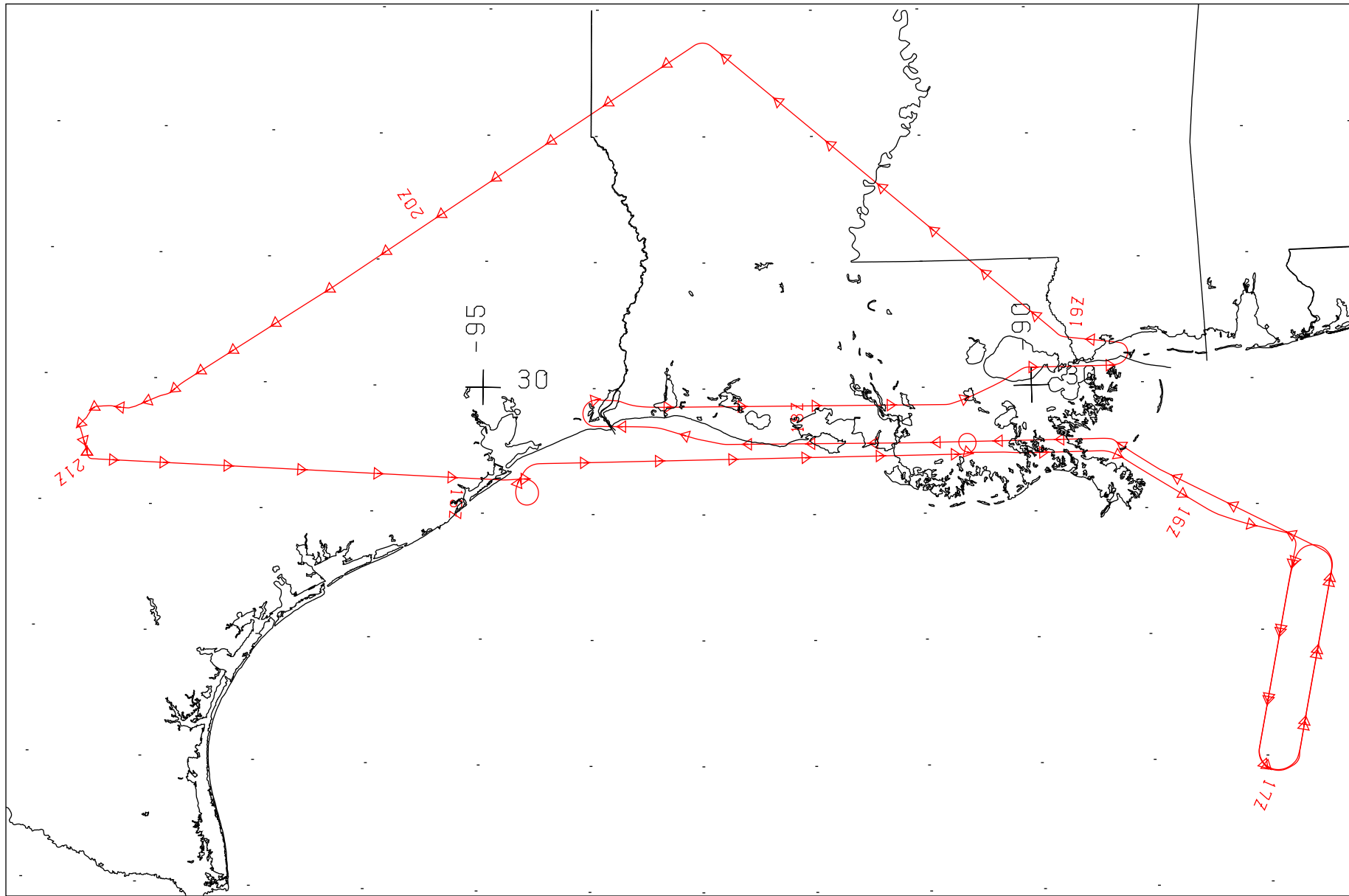
Sensor # 034

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
D - E	7614-7619	18:01:05	18:03:24	60100/18320	Clear

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 01 Apr 2001  
 NASA FLIGHT NUMBER 01-056

START OF FLIGHT LINE							END OF FLIGHT LINE					
LINE	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN AZIM		START HEADING	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR ZEN AZIM		SCAN LINES
1	14:59:25	29.283	-95.342	49.1	248.6	91.49	15:04:50	29.282	-95.325	49.1	248.6	2021
2	15:11:53	29.398	-94.493	51.6	250.8	84.20	15:38:39	29.399	-94.475	51.7	250.8	10000
3	15:44:58	29.477	-90.567	58.6	256.2	90.17	16:02:24	29.477	-90.549	58.6	256.2	6513
4	16:02:29	28.922	-88.335	62.2	259.1	111.68	16:07:04	28.917	-88.318	62.2	259.2	1714
5	16:08:26	28.650	-87.658	63.5	260.0	193.20	16:23:12	28.636	-87.661	63.5	260.0	5512
6	16:27:09	26.975	-87.724	67.3	263.3	17.97	16:40:17	26.990	-87.718	67.3	263.3	4902
7	16:44:12	28.573	-87.658	71.2	264.8	208.35	16:58:21	28.561	-87.665	71.3	264.8	5283
8	17:02:55	27.034	-87.701	75.2	267.5	9.13	17:15:34	27.049	-87.697	75.3	267.6	4725
9	17:16:55	28.603	-87.409	78.4	268.8	300.86	17:35:03	28.611	-87.423	78.4	268.8	6771
10	17:35:28	29.556	-89.298	82.4	270.9	276.73	18:02:15	29.557	-89.313	82.5	270.9	10000
11	18:02:15	29.562	-92.345	88.2	274.2	269.11	18:16:26	29.562	-92.360	88.3	274.2	5297
12	18:20:58	29.900	-93.755	92.3	276.5	107.21	18:42:51	29.896	-93.738	92.3	276.6	8177
13	18:43:17	29.867	-90.732	97.1	279.4	72.35	18:48:24	29.871	-90.715	97.1	279.4	1913
14	18:48:56	30.143	-90.021	98.2	280.1	91.01	18:54:42	30.142	-90.002	98.3	280.2	2156
15	18:56:47	30.314	-89.174	99.8	281.2	282.33	19:01:29	30.317	-89.189	99.9	281.3	1758
16	19:01:50	30.398	-89.745	100.9	281.9	306.48	19:28:36	30.407	-89.756	100.9	282.0	10000
17	19:28:36	32.249	-92.252	106.0	286.2	308.76	19:35:24	32.258	-92.265	106.0	286.2	2537
18	19:36:39	32.723	-93.079	107.4	287.6	237.70	20:03:26	32.715	-93.093	107.5	287.6	10000
19	20:03:26	31.092	-95.866	113.1	291.6	235.64	20:09:10	31.084	-95.879	113.1	291.6	2144

NUMBER OF FILES FOR THIS FLIGHT = 19  
 TOTAL NUMBER OF SCAN LINES = 101423  
 DATE THESE FILES WERE PROCESSED = 16-Nov-2001  
 DATE THIS LIST WAS CREATED = Mon Nov 19 12:36:00 PST 2001  
 GRANULE VERSION = 1



FLIGHT 01-056

1 APRIL 2001

A/C 806

MAS50 / HR732 / RC-10 / VIS / SCANNING HIS

