

FLIGHT SUMMARY REPORT

Flight Number: 01-052
Calendar/Julian Date: 21 March 2001 • 080
Sensor Package: Wild-Heerbrugg RC-10
 Dual 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

Accession #:	05588	05589	05590	----	----	----
Sensor ID #:	034	039	020	108	118	083
Sensor Type:	RC-10	HR732	HR732	MAS50	VIS	S-HIS
Focal Length:	12" 304.66 mm	24" 609 mm	24" 609 mm	----	----	----
Film Type:	Aerochrome IR SO-134	Aerochrome IR SO-134	Aerochrome IR SO-134	----	----	----
Filtration:	Wratten 12	Wratten 12	Wratten 12	----	----	----
Spectral Band:	510-900nm	510-900nm	510-900nm	----	----	----
f Stop:	11	11	12.7	----	----	----
Shutter Speed:	1/325	1/250	1/250	----	----	----
# of Frames:	60	364	271	----	----	----
% Overlap:	60	60	60	----	----	----
Quality:	Good	Excellent	Excellent	----	----	----
Remarks:	Add 1 second for correct time	Add 15 seconds for correct time	Subtract 10 seconds for correct time			

CAMERA FLIGHT LINE DATA
FLIGHT NO. 01-052

Accession # 05588

Sensor # 034

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	7461-7485	15:27:40	15:38:45	63600/19390	Clear
C - D	7486-7491	15:45:33	15:47:28	63700/19420	Clear
E - F	7492-7520	16:48:00	17:00:31	63300/19300	Clear

CAMERA FLIGHT LINE DATA
FLIGHT NO. 01-052

Accession # 05589

Sensor # 039

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
G - H	1480-1552	17:08:24	17:25:36	59400/18110	Clear; frames 1480-1481 light struck; static discharge frame 1552
I - J	1553-1587	17:33:30	17:41:37	59800/18230	Clear
K - L	1588-1729	17:45:42	18:19:30	60100/18320	Clear; static discharge frame 1613
M - N	1730-1843	18:25:21	18:52:25	60600/18480	Clear; frames 1842-1843 light struck
Small to moderate static discharges from 18:00 to end of roll					

CAMERA FLIGHT LINE DATA
FLIGHT NO. 01-052

Accession # 05590

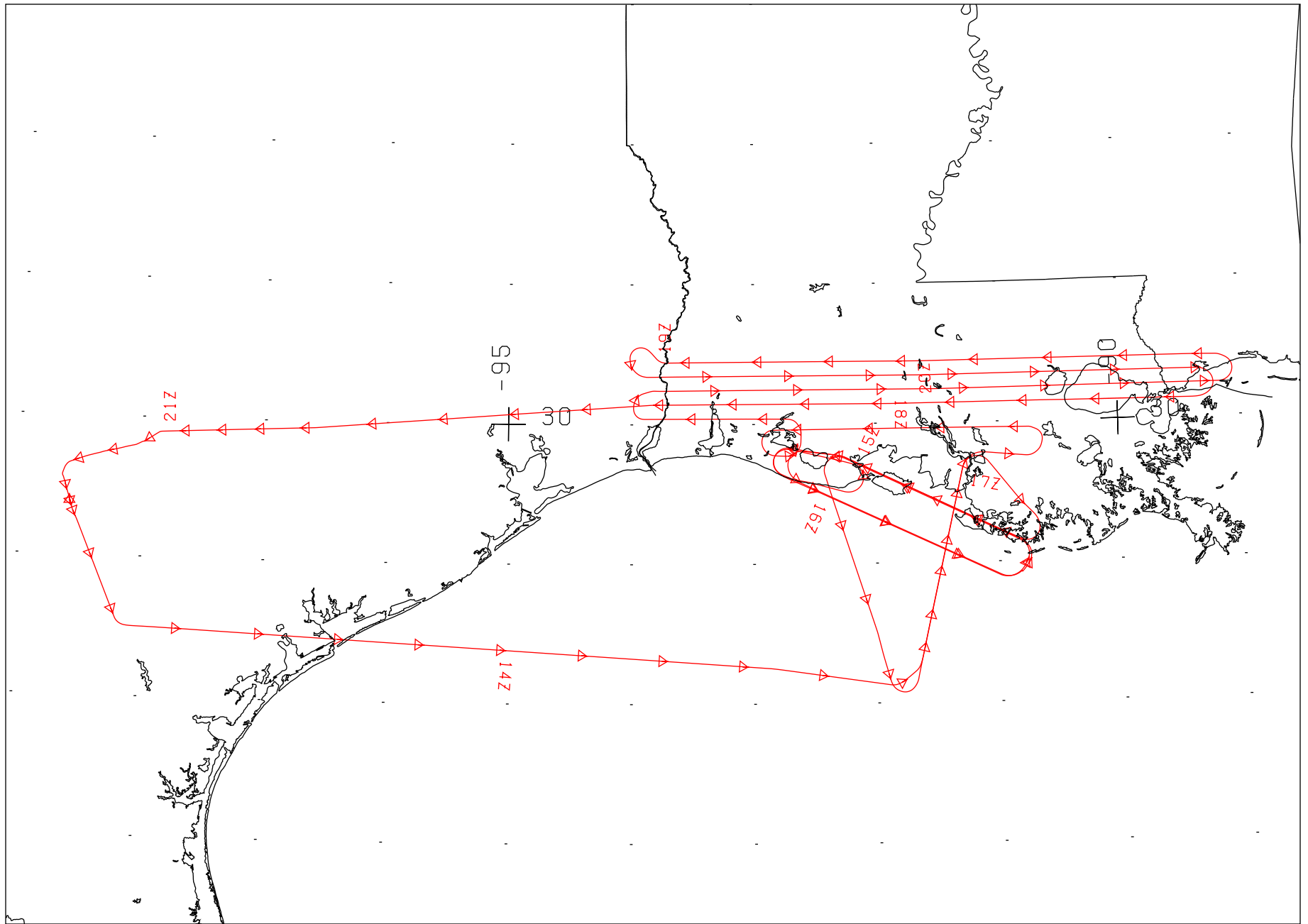
Sensor # 020

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
O - P	1851-1985	19:06:41	19:38:48	60700/18510	Clear; small static discharge, frames 1966 and 1977
Q - R	1986-2122	19:46:47	20:19:07	60700/18510	Clear; small static discharge, frames 1989, 2009-2010, 2016, 2031, 2033, 2051, 2053-2054, 2064, 2068, 2073, 2087, 2089-2091, 2093, 2099 and 2119-2120

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 21 Mar 2001
 NASA FLIGHT NUMBER 01-052

START OF FLIGHT LINE							END OF FLIGHT LINE					
LINE	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR		START HEADING	TIME HH:MM:SS	LAT DEG	LON DEG	SOLAR		SCAN LINES
				ZEN	AZIM					ZEN	AZIM	
1	13:50:42	28.439	-96.264	38.6	228.1	92.18	14:17:29	28.438	-96.247	38.7	228.1	10002
2	14:17:29	28.239	-92.745	43.2	235.6	97.17	14:24:06	28.237	-92.728	43.2	235.7	2474
3	14:26:24	28.261	-91.654	44.9	237.7	21.53	14:39:36	28.275	-91.647	44.9	237.7	4930
4	14:41:33	29.715	-91.071	48.4	240.0	141.22	14:45:56	29.703	-91.061	48.4	240.1	1636
5	14:48:30	29.151	-90.799	49.6	241.8	289.03	15:04:55	29.156	-90.814	49.6	241.8	6133
6	15:07:31	29.637	-92.761	53.4	245.4	113.70	15:22:33	29.630	-92.746	53.4	245.4	5612
7	15:26:29	29.155	-90.816	57.1	249.0	294.74	15:41:56	29.161	-90.830	57.1	249.0	5768
8	15:44:46	29.595	-92.616	60.9	252.0	99.87	15:47:38	29.592	-92.599	60.9	252.0	1072
9	15:50:32	29.708	-92.168	62.2	252.7	287.30	15:54:41	29.712	-92.183	62.3	252.7	1554
10	15:57:06	29.655	-92.783	63.5	253.8	129.13	16:12:26	29.646	-92.769	63.5	253.9	5727
11	16:16:02	29.142	-90.797	67.4	256.8	299.27	16:28:50	29.149	-90.811	67.4	256.8	4782
12	16:30:59	29.641	-92.405	70.7	258.8	163.74	16:44:57	29.628	-92.400	70.7	258.8	5221
13	16:47:17	28.169	-91.669	73.9	261.4	11.46	17:01:13	28.183	-91.665	74.0	261.4	5202
14	17:02:42	29.785	-91.112	77.5	263.0	89.64	17:05:19	29.784	-91.095	77.5	263.0	980
15	17:08:21	29.959	-90.737	78.7	263.6	272.00	17:25:56	29.959	-90.753	78.8	263.7	6568
16	17:32:19	30.035	-92.686	83.9	266.7	282.96	17:42:26	30.038	-92.701	83.9	266.7	3781
17	17:45:31	30.241	-93.803	86.8	268.4	90.48	18:12:18	30.241	-93.785	86.8	268.4	10000
18	18:12:18	30.245	-90.175	92.5	271.7	89.17	18:19:58	30.245	-90.157	92.6	271.8	2864
19	18:22:55	30.434	-89.180	94.8	273.1	273.48	18:49:42	30.435	-89.196	94.8	273.1	10000
20	18:49:42	30.444	-92.451	100.6	276.6	271.12	19:00:19	30.444	-92.467	100.6	276.6	3966
21	19:05:19	30.339	-93.863	103.7	279.0	89.21	19:32:05	30.339	-93.845	103.8	279.0	10000
22	19:32:05	30.344	-90.242	109.4	282.7	89.85	19:38:52	30.344	-90.225	109.4	282.7	2535
23	19:41:40	30.140	-89.301	111.4	284.1	256.61	20:08:26	30.138	-89.316	111.4	284.1	10000
24	20:08:26	30.143	-92.534	117.0	288.2	271.22	20:35:12	30.143	-92.550	117.0	288.2	10000
25	20:35:13	30.018	-95.723	122.4	292.6	265.87	20:40:25	30.017	-95.739	122.4	292.7	1947

NUMBER OF FILES FOR THIS FLIGHT = 25
 TOTAL NUMBER OF SCAN LINES = 132754
 DATE THESE FILES WERE PROCESSED = 26-Oct-2001
 DATE THIS LIST WAS CREATED = Tue Oct 30 10:33:34 PST 2001
 GRANULE VERSION = 1



FLIGHT 01-052

21 MARCH 2001

A/C 806

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

