

NASA ER-2 Jacksonville, Florida Deployment

**Convection and Moisture Experiment
CAMEX-4**

**FY-2001
Mission Summaries***

13 August to 26 September 2001

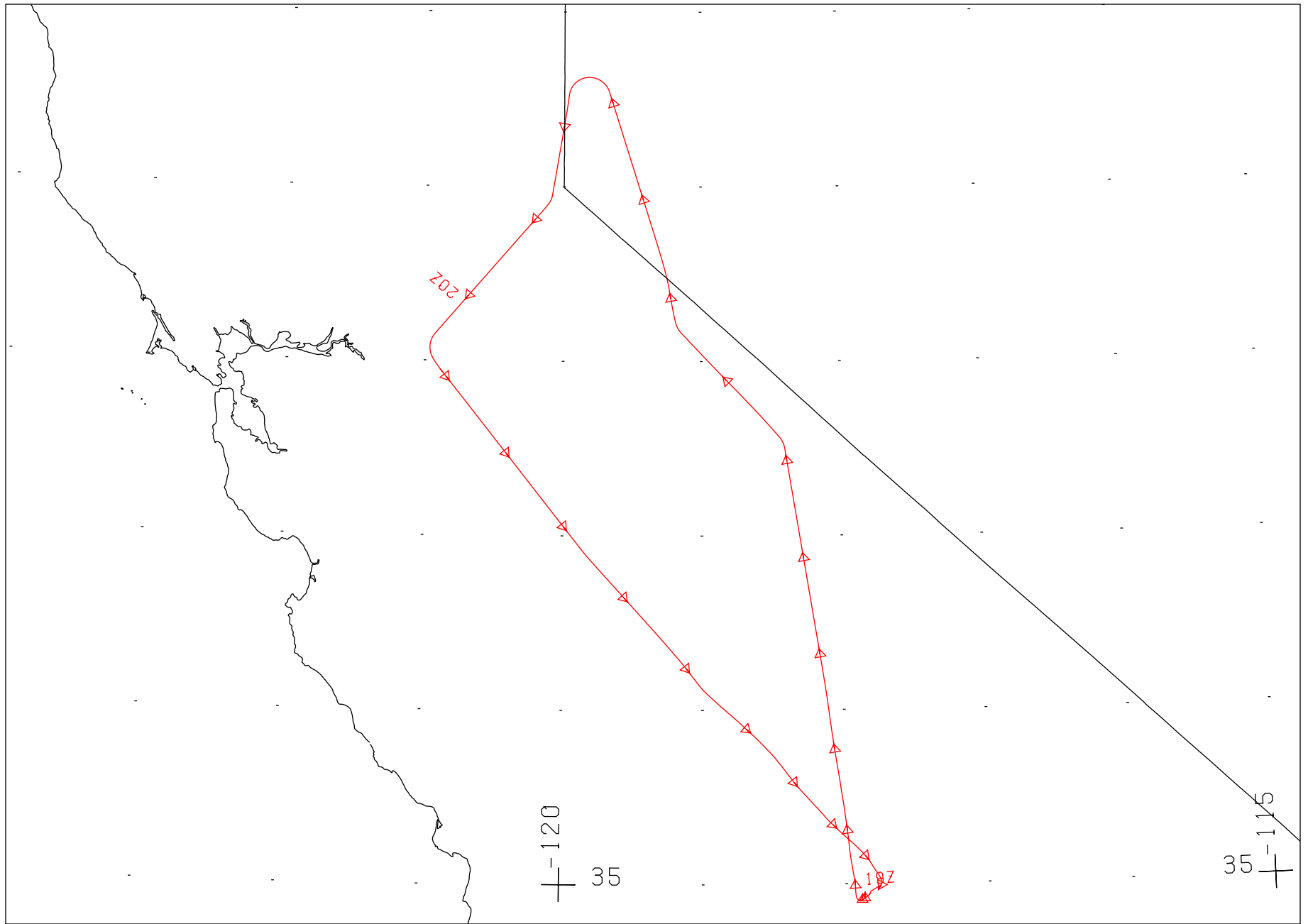
CAMEX-4 Flights

FLIGHT	DATE	LOCATION
01-122	13 August 2001	Southern Sierras
	http://mas.arc.nasa.gov/data/flt_html/01122.html	
01-130	15 August 2001	Ferry:DFRC to Jacksonville NAS
	http://mas.arc.nasa.gov/data/flt_html/01130.html	
01-131	18 August 2001	Andros Is. and Florida Keyes
	http://mas.arc.nasa.gov/data/flt_html/01131.html	
01-132	20 August 2001	Tropical Storm Chantal
	http://mas.arc.nasa.gov/data/flt_html/01132.html	
01-133	26 August 2001	Jacksonville Coast, FL
	http://mas.arc.nasa.gov/data/flt_html/01133.html	
01-135	7 September 2001	Gulf of Mexico, Florida Keys
	http://mas.arc.nasa.gov/data/flt_html/01135.html	
01-136	9 September 2001	Florida Keys, Gulf Coast
	http://mas.arc.nasa.gov/data/flt_html/01136.html	
01-137	10 September 2001	Hurricane Erin
	http://mas.arc.nasa.gov/data/flt_html/01137.html	
01-138	16 September 2001	Tropical Storm Gabrielle
	http://mas.arc.nasa.gov/data/flt_html/01138.html	
01-139	19 September 2001	Florida Keyes
	http://mas.arc.nasa.gov/data/flt_html/01139.html	
01-140	22 September 2001	Tropical Storm Humberto
	http://mas.arc.nasa.gov/data/flt_html/01140.html	
01-141	23 September 2001	Tropical Storm Humberto
	http://mas.arc.nasa.gov/data/flt_html/01141.html	
01-142	24 September 2001	Hurricane Humberto
	http://mas.arc.nasa.gov/data/flt_html/01142.html	
01-143	26 September 2001	Ferry:Jacksonville NAS to DFRC
	http://mas.arc.nasa.gov/data/flt_html/01143.html	

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 13 Aug 2001
 NASA FLIGHT NUMBER 01-122

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	19:17:14	36.571	-118.207	96.1	293.3	353.69	19:25:33	36.586	-118.209	96.1	293.4	3106
2	19:26:10	37.567	-118.431	97.3	294.9	321.89	19:33:08	37.578	-118.444	97.3	294.9	2606
3	19:33:40	38.221	-119.175	98.3	296.2	346.80	19:45:27	38.236	-119.179	98.4	296.2	4408
4	19:48:11	39.530	-119.956	100.3	298.9	189.28	19:53:22	39.515	-119.958	100.3	298.9	1938
5	19:53:50	38.900	-120.105	101.5	299.8	218.64	20:02:21	38.888	-120.117	101.5	299.8	3180
6	20:03:31	38.023	-120.941	103.9	301.1	153.10	20:21:37	38.010	-120.932	103.9	301.1	6764

NUMBER OF FILES FOR THIS FLIGHT = 6
 TOTAL NUMBER OF SCAN LINES = 22002
 DATE THESE FILES WERE PROCESSED = 23-Jan-2002
 DATE THIS LIST WAS CREATED = Wed Jan 23 19:33:32 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-122

13 AUGUST 2001

A/C 809

CAMEX FCF (WITH MAS)

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 15 Aug 2001
 NASA FLIGHT NUMBER 01-130

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	16:20:00	34.431	-115.188	61.6	268.0	109.29	16:23:50	34.426	-115.171	61.6	268.1	1434
2	16:23:50	34.287	-114.701	62.4	268.7	111.06	16:50:35	34.282	-114.684	62.4	268.7	9999
3	16:50:35	33.290	-111.362	68.0	272.8	106.21	17:17:19	33.286	-111.345	68.0	272.8	9999
4	17:17:19	32.429	-107.985	73.6	276.6	109.13	17:44:03	32.425	-107.969	73.7	276.6	9999
5	17:44:03	31.642	-104.634	79.4	280.1	105.36	18:10:47	31.639	-104.617	79.4	280.1	9999
6	18:10:48	30.931	-101.257	85.1	283.5	106.46	18:37:31	30.928	-101.241	85.1	283.5	9999
7	18:37:32	30.119	-97.975	90.9	286.8	108.08	19:04:15	30.115	-97.960	90.9	286.8	9999
8	19:04:16	29.250	-94.812	96.7	290.2	109.41	19:11:05	29.246	-94.796	96.7	290.2	2552
9	19:11:39	29.020	-93.935	98.3	291.1	80.08	19:38:23	29.023	-93.919	98.3	291.1	9999
10	19:38:23	30.027	-90.786	103.2	295.0	73.87	19:58:01	30.032	-90.770	103.3	295.0	7347
11	19:58:07	30.720	-88.381	106.8	298.2	78.11	20:24:50	30.723	-88.364	106.8	298.2	9999
12	20:24:51	30.765	-84.978	111.9	302.4	100.23	20:38:41	30.763	-84.962	111.9	302.4	5180

NUMBER OF FILES FOR THIS FLIGHT = 12
 TOTAL NUMBER OF SCAN LINES = 96505
 DATE THESE FILES WERE PROCESSED = 23-Jan-2002
 DATE THIS LIST WAS CREATED = Thu Jan 24 10:05:53 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-130

15 AUGUST 2001

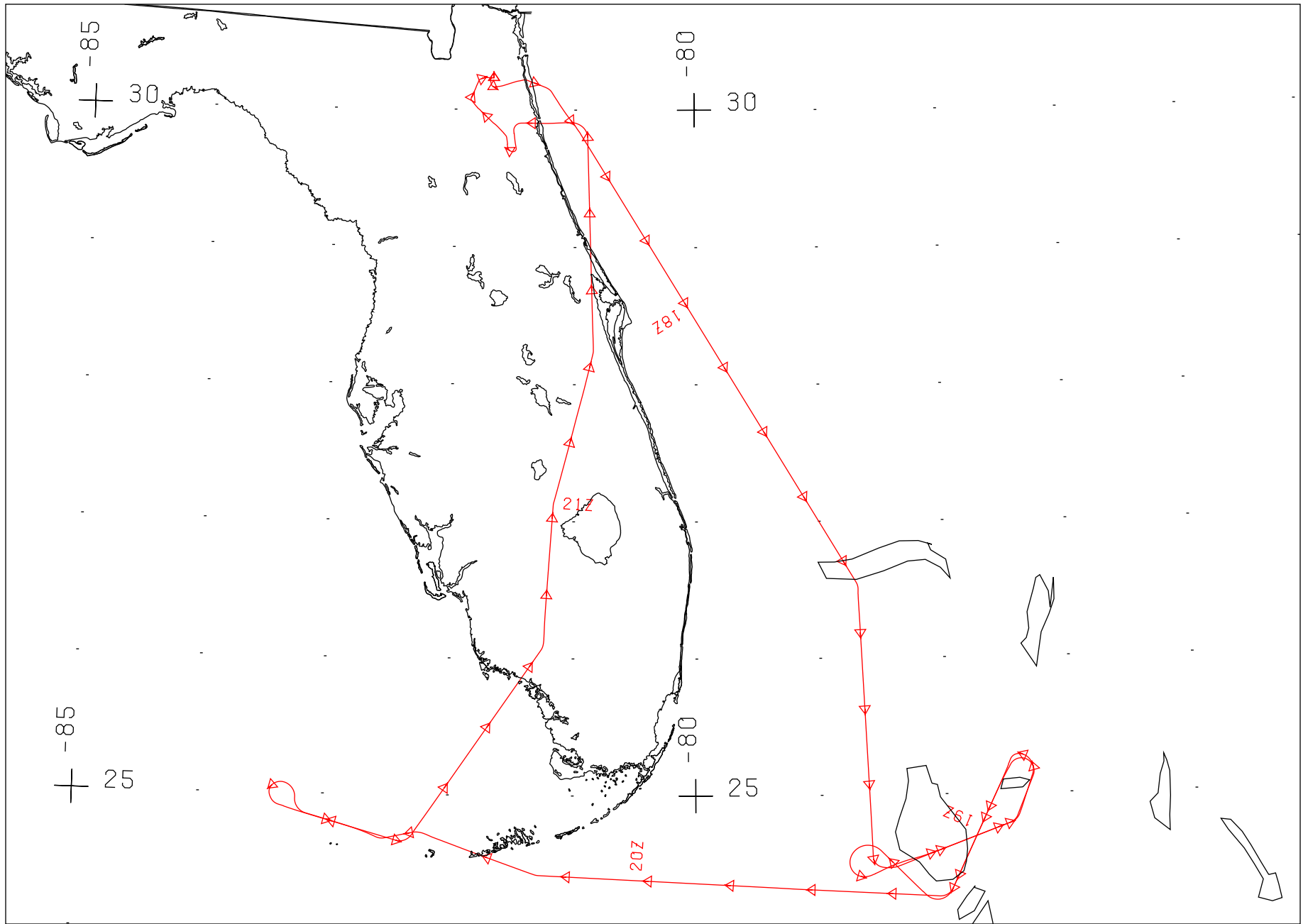
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 18 Aug 2001
 NASA FLIGHT NUMBER 01-131

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	17:58:26	28.733	-80.177	83.4	281.4	147.63	18:21:29	28.721	-80.168	83.4	281.4	8608
2	18:22:13	26.474	-78.681	89.0	284.2	179.55	18:39:35	26.460	-78.680	89.1	284.2	6489
3	18:41:47	24.477	-78.383	93.9	286.3	73.10	18:49:51	24.482	-78.369	93.9	286.3	3018
4	18:50:44	24.852	-77.408	95.7	287.3	24.56	18:53:17	24.866	-77.402	95.7	287.3	955
5	18:55:41	25.241	-77.476	96.6	287.9	197.85	19:04:46	25.228	-77.483	96.6	287.9	3398
6	19:06:51	24.273	-78.176	99.3	289.0	318.13	19:10:43	24.284	-78.188	99.3	289.1	1446
7	19:15:22	24.412	-78.603	101.2	290.0	69.73	19:25:32	24.417	-78.588	101.2	290.0	3798
8	19:26:16	24.837	-77.425	103.3	291.4	25.03	19:29:03	24.850	-77.420	103.3	291.5	1038
9	19:31:33	25.202	-77.478	104.2	292.2	206.61	19:40:36	25.189	-77.485	104.3	292.2	3383
10	19:41:44	24.255	-78.068	106.7	293.3	276.87	20:06:12	24.256	-78.084	106.7	293.3	9163
11	20:06:29	24.424	-81.292	111.9	296.5	289.80	20:13:00	24.429	-81.309	111.9	296.5	2435
12	20:16:36	24.688	-82.558	113.8	298.1	296.37	20:21:06	24.694	-82.574	113.9	298.1	1686
13	20:26:06	24.910	-83.334	115.8	299.5	105.31	20:34:24	24.906	-83.320	115.8	299.5	3106
14	20:35:41	24.716	-82.266	117.7	301.0	33.61	20:50:42	24.728	-82.258	117.7	301.0	5621
15	20:51:12	26.110	-81.229	119.9	304.4	10.48	21:00:09	26.125	-81.227	119.9	304.4	3347
16	21:00:22	27.142	-81.151	121.0	306.6	20.84	21:10:11	27.157	-81.147	121.0	306.6	3673
17	21:10:26	28.252	-80.834	122.0	309.1	4.58	21:21:16	28.267	-80.834	122.0	309.2	4054

NUMBER OF FILES FOR THIS FLIGHT = 17
 TOTAL NUMBER OF SCAN LINES = 65218
 DATE THESE FILES WERE PROCESSED = 24-Jan-2002
 DATE THIS LIST WAS CREATED = Fri Jan 25 10:45:07 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-131

18 AUGUST 2001

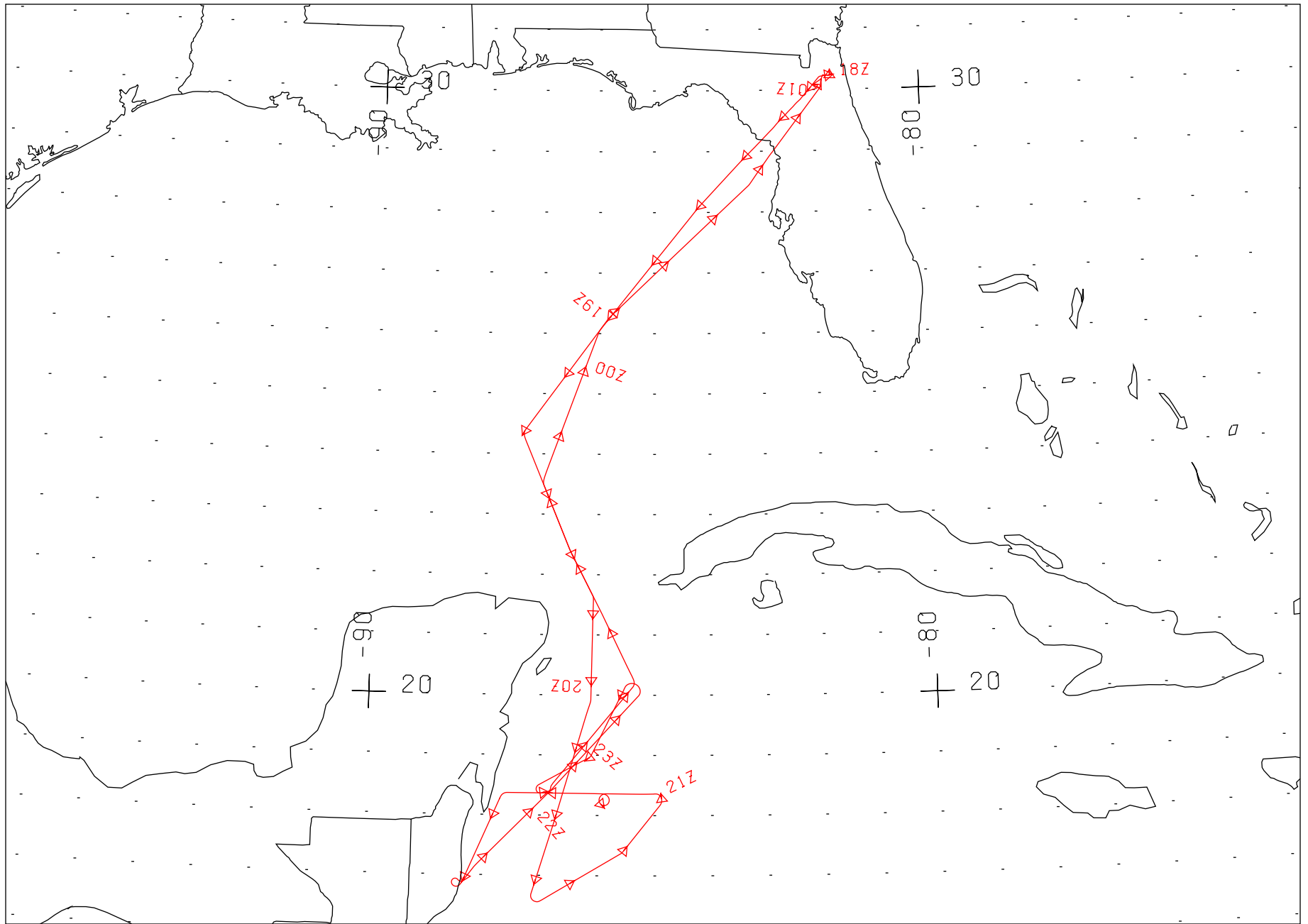
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 20 Aug 2001
 NASA FLIGHT NUMBER 01-132

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	18:05:34	30.215	-81.852	84.9	281.5	257.70	18:32:23	30.213	-81.859	85.0	281.5	9999
2	18:32:23	28.731	-83.474	90.9	284.8	224.27	18:59:09	28.720	-83.485	91.0	284.8	9999
3	18:59:09	26.359	-85.707	97.3	287.8	217.73	19:19:42	26.347	-85.718	97.3	287.9	7683
4	19:20:40	24.294	-87.329	102.6	290.1	163.37	19:47:02	24.280	-87.324	102.7	290.1	9859
5	19:47:24	21.619	-86.066	109.3	292.6	171.54	20:02:39	21.605	-86.064	109.3	292.6	5705
6	20:02:55	19.893	-86.102	113.5	293.6	192.04	20:29:39	19.879	-86.106	113.5	293.6	9999
7	20:29:39	16.946	-87.027	120.5	295.7	193.45	20:31:58	16.932	-87.031	120.5	295.7	865
8	20:34:15	16.573	-86.958	121.7	296.0	65.29	20:49:05	16.580	-86.945	121.7	296.1	5548
9	20:49:24	17.390	-85.536	124.5	298.7	47.13	20:58:40	17.401	-85.527	124.5	298.7	3468
10	21:00:52	18.360	-84.955	126.3	301.3	271.09	21:07:36	18.360	-84.972	126.3	301.3	2522
11	21:13:00	18.360	-85.884	128.7	303.4	276.16	21:25:50	18.361	-85.901	128.7	303.5	4801
12	21:26:57	18.301	-87.655	131.5	306.0	202.11	21:40:23	18.286	-87.662	131.6	306.0	5021
13	21:44:58	16.908	-88.272	135.9	308.7	42.98	22:11:42	16.919	-88.262	135.9	308.8	9999
14	22:11:42	18.983	-86.239	139.1	317.1	47.99	22:24:44	18.993	-86.229	139.1	317.2	4873
15	22:28:26	20.129	-85.499	140.7	323.1	203.70	22:39:05	20.116	-85.506	140.7	323.2	3982
16	22:39:54	18.939	-86.156	143.1	326.1	243.05	22:47:19	18.932	-86.171	143.2	326.1	2779
17	22:51:40	18.505	-86.768	145.2	329.8	43.04	23:11:23	18.515	-86.759	145.2	329.9	7381
18	23:12:30	20.251	-85.346	145.6	339.1	346.37	23:39:13	20.266	-85.352	145.6	339.2	9999
19	23:39:14	23.159	-86.821	144.4	351.3	342.01	23:42:02	23.174	-86.828	144.4	351.3	1051
20	23:42:39	23.550	-86.972	144.2	352.7	13.34	00:05:29	23.565	-86.969	144.2	352.8	8544
21	00:05:41	26.036	-85.985	141.6	2.2	31.49	00:07:56	26.049	-85.977	141.6	2.3	846
22	00:07:59	26.247	-85.818	141.4	3.1	42.17	00:34:43	26.258	-85.808	141.4	3.2	9999

NUMBER OF FILES FOR THIS FLIGHT = 22
 TOTAL NUMBER OF SCAN LINES = 134922
 DATE THESE FILES WERE PROCESSED = 26-Jan-2002
 DATE THIS LIST WAS CREATED = Tue Jan 29 10:05:41 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-132

20 AUGUST 2001

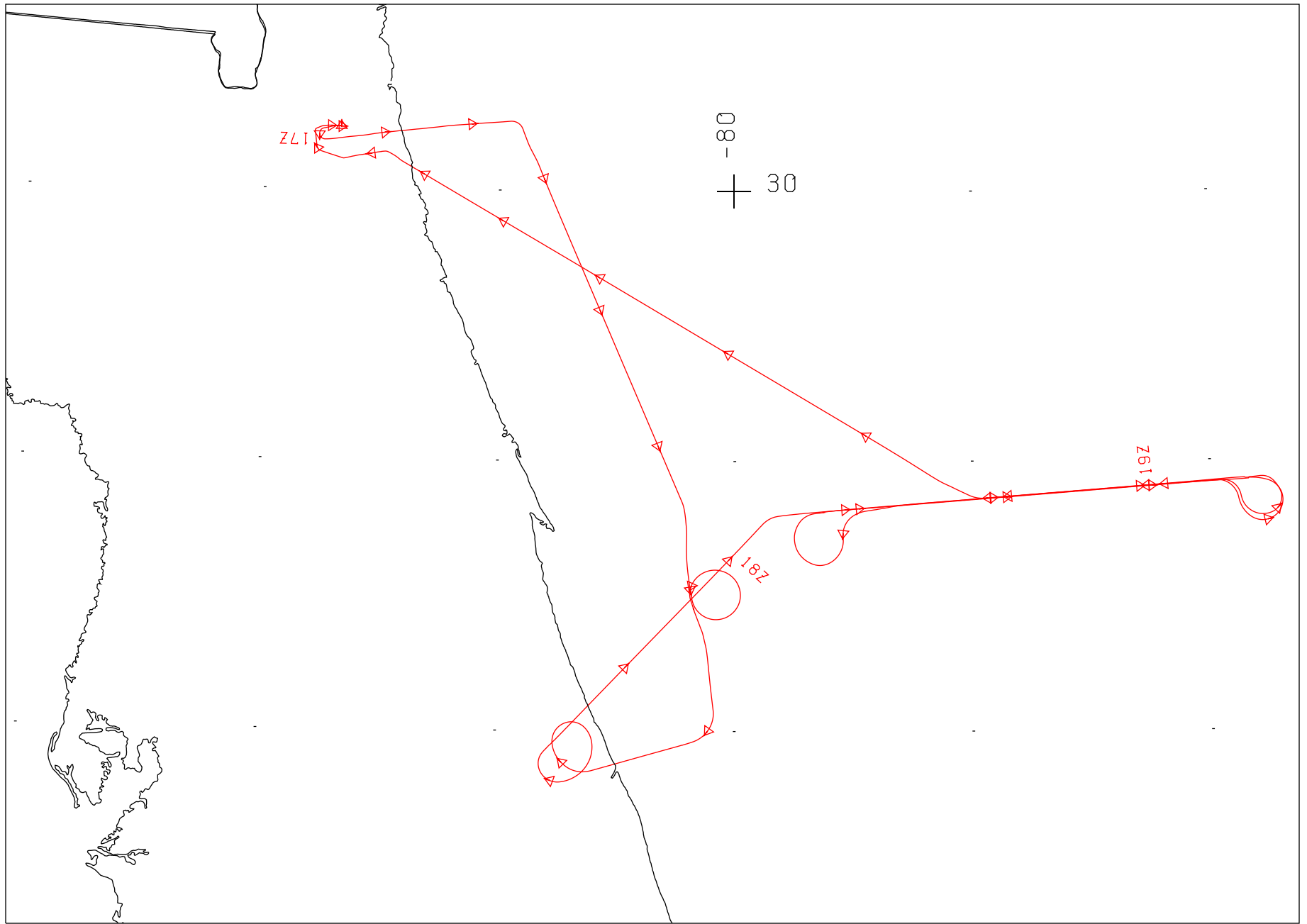
A/C 809

CAMEX 4 (TROPICAL STORM CHANTAL)

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 26 Aug 2001
 NASA FLIGHT NUMBER 01-133

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	17:37:02	28.312	-80.114	80.1	276.6	166.57	17:39:08	28.297	-80.111	80.1	276.6	785
2	17:40:28	27.961	-80.168	80.8	277.0	251.07	17:43:48	27.956	-80.184	80.9	277.0	1245
3	17:51:01	27.927	-80.787	83.2	278.2	48.75	18:01:26	27.938	-80.775	83.2	278.2	3893
4	18:02:02	28.797	-79.812	85.5	279.4	83.63	18:17:06	28.799	-79.796	85.5	279.4	5631
5	18:21:11	28.934	-77.786	89.5	281.7	262.23	18:32:39	28.933	-77.803	89.5	281.7	4285
6	18:38:36	28.807	-79.658	93.3	283.8	85.10	18:52:10	28.809	-79.642	93.3	283.8	5070
7	18:56:51	28.929	-77.814	97.1	286.1	273.63	19:05:20	28.929	-77.831	97.1	286.1	3174
8	19:06:43	28.917	-79.113	99.2	287.4	297.38	19:14:22	28.925	-79.129	99.2	287.4	2864

NUMBER OF FILES FOR THIS FLIGHT = 8
 TOTAL NUMBER OF SCAN LINES = 26947
 DATE THESE FILES WERE PROCESSED = 30-Jan-2002
 DATE THIS LIST WAS CREATED = Wed Jan 30 12:56:08 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-133

26 AUGUST 2001

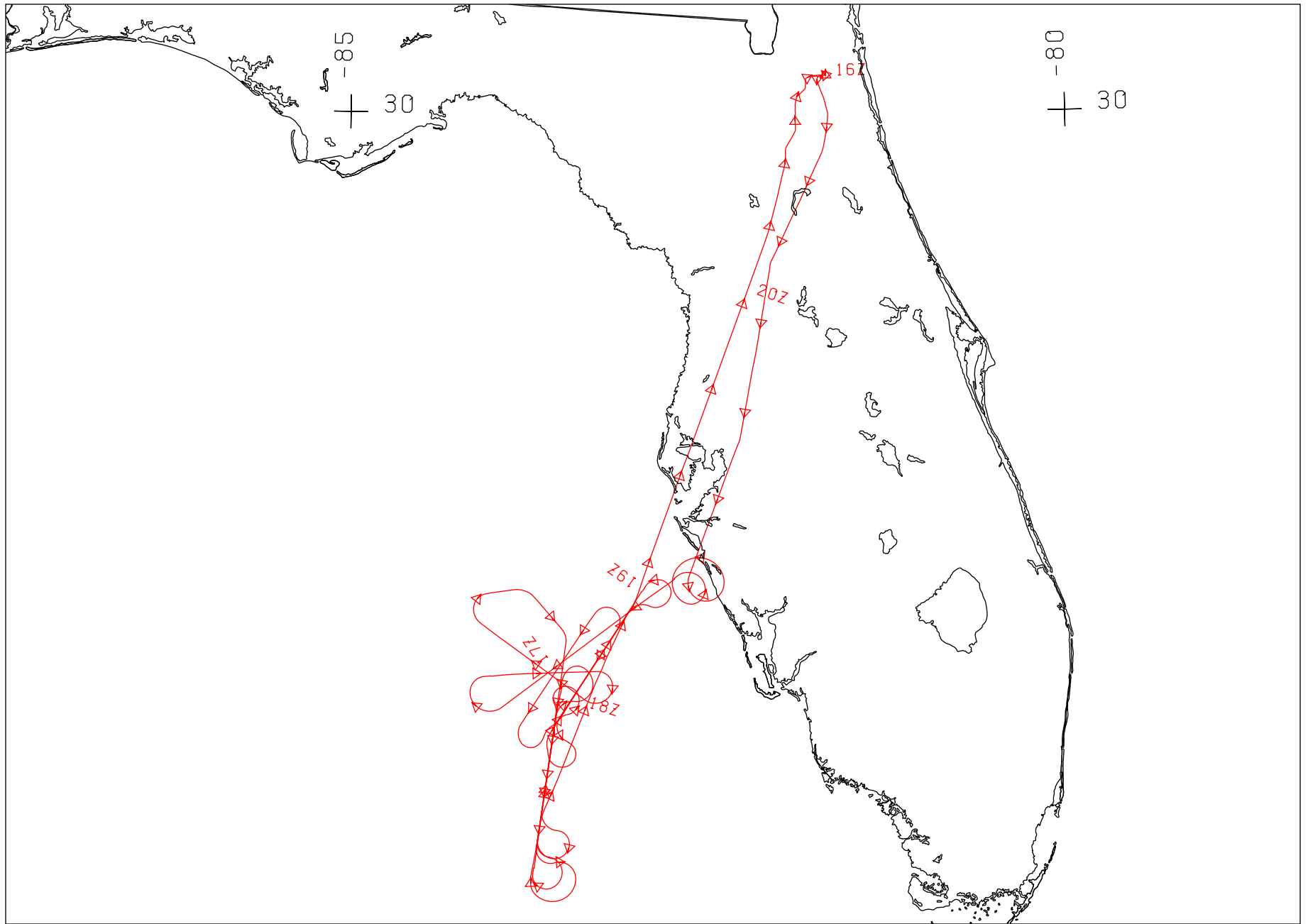
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 07 Sep 2001
 NASA FLIGHT NUMBER 01-135

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	16:29:16	28.247	-82.237	67.2	264.5	191.00	16:31:24	28.233	-82.240	67.2	264.6	796
2	16:31:36	27.993	-82.293	67.7	264.9	202.28	16:39:19	27.979	-82.300	67.7	264.9	2879
3	16:52:10	27.174	-82.722	72.1	267.7	227.49	17:03:23	27.164	-82.735	72.2	267.7	4196
4	17:06:53	26.559	-84.029	75.4	269.6	89.90	17:13:17	26.560	-84.014	75.4	269.6	2394
5	17:16:43	26.423	-83.355	77.6	270.7	310.51	17:23:15	26.433	-83.368	77.6	270.7	2440
6	17:28:06	27.056	-83.708	80.1	271.9	136.38	17:30:40	27.046	-83.697	80.2	271.9	959
7	17:31:33	26.758	-83.479	80.9	272.3	188.10	17:42:46	26.744	-83.482	81.0	272.3	4194
8	17:49:45	25.307	-83.706	85.1	274.4	16.04	17:57:56	25.321	-83.703	85.1	274.4	3059
9	18:03:12	26.334	-83.543	88.0	275.8	185.93	18:10:16	26.319	-83.545	88.0	275.8	2643
10	18:15:18	25.356	-83.694	90.8	277.1	14.62	18:23:49	25.371	-83.691	90.9	277.2	3181
11	18:29:27	26.528	-83.505	93.8	278.7	187.97	18:36:34	26.514	-83.508	93.9	278.8	2659
12	18:43:41	25.747	-83.618	97.1	280.3	27.41	18:51:56	25.761	-83.611	97.1	280.3	3080
13	18:52:00	26.620	-83.226	98.8	281.4	26.90	18:55:05	26.634	-83.220	98.8	281.4	1149
14	19:00:01	27.113	-82.937	100.4	282.4	209.68	19:08:20	27.101	-82.946	100.4	282.4	3107
15	19:14:07	26.203	-83.588	103.7	283.9	32.57	19:20:53	26.215	-83.580	103.7	284.0	2531
16	19:23:11	26.952	-83.275	105.5	285.3	213.83	19:30:20	26.941	-83.285	105.5	285.3	2672
17	19:34:17	26.291	-83.529	108.1	286.5	37.69	19:41:46	26.303	-83.519	108.1	286.5	2796
18	19:41:59	27.010	-83.012	109.5	287.8	27.58	19:54:45	27.024	-83.005	109.5	287.8	4771

NUMBER OF FILES FOR THIS FLIGHT = 18
 TOTAL NUMBER OF SCAN LINES = 49506
 DATE THESE FILES WERE PROCESSED = 01-Feb-2002
 DATE THIS LIST WAS CREATED = Fri Feb 1 15:12:12 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-135

7 SEPTEMBER 2001

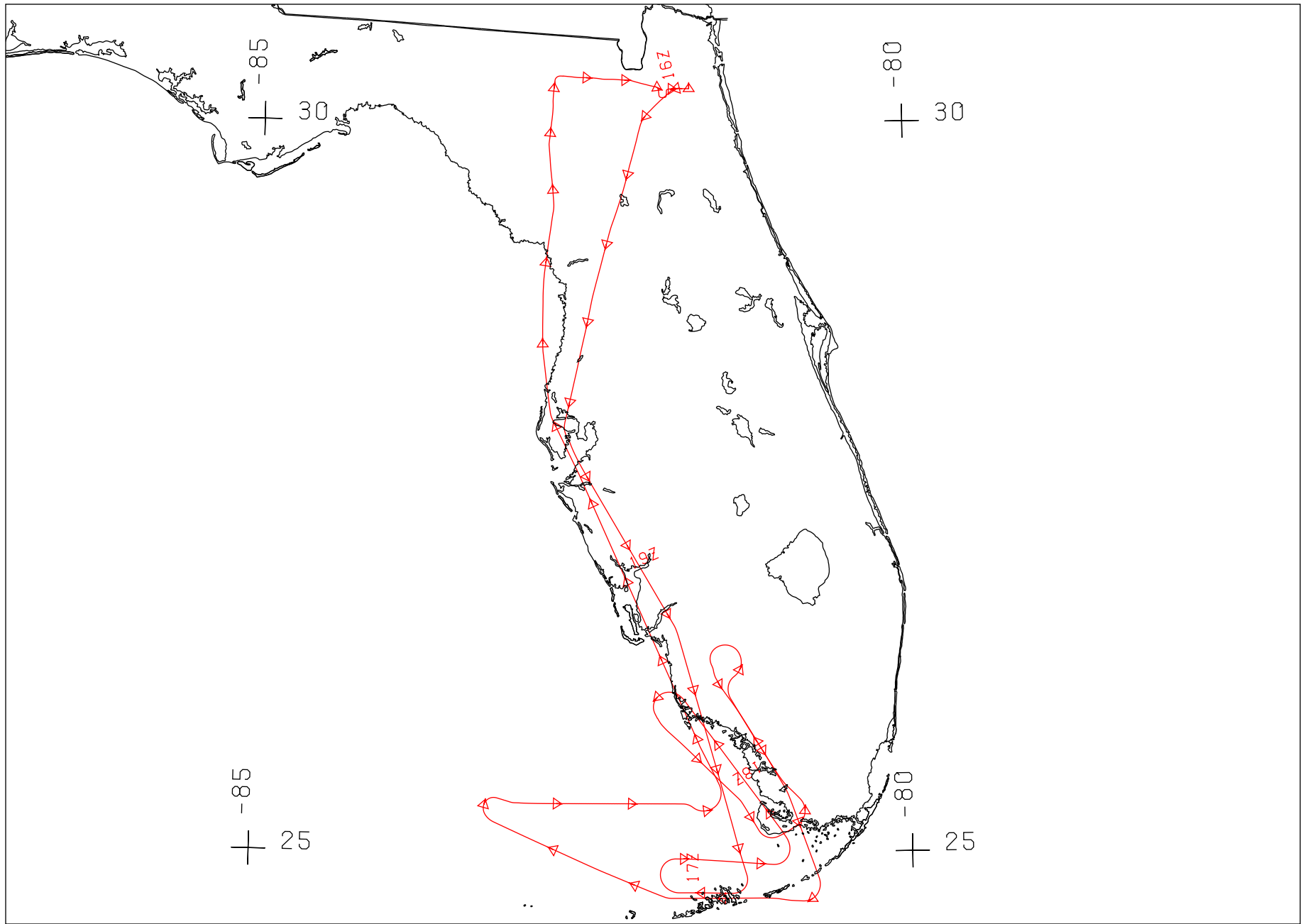
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 09 Sep 2001
 NASA FLIGHT NUMBER 01-136

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	16:29:25	27.620	-82.492	67.5	264.1	148.64	16:40:43	27.608	-82.484	67.5	264.2	4224
2	16:40:51	26.542	-81.786	69.9	265.9	153.41	16:56:30	26.529	-81.779	69.9	265.9	5849
3	16:58:07	24.718	-81.360	73.7	268.4	273.32	17:01:02	24.718	-81.378	73.8	268.4	1092
4	17:04:37	24.954	-81.746	75.2	269.1	91.30	17:10:37	24.954	-81.730	75.2	269.1	2241
5	17:13:04	25.104	-80.954	77.1	269.9	330.63	17:22:56	25.117	-80.963	77.2	269.9	3688
6	17:26:39	25.867	-81.881	80.2	271.2	135.25	17:33:19	25.856	-81.871	80.2	271.3	2487
7	17:41:42	25.466	-80.957	83.6	272.9	322.16	17:47:33	25.478	-80.968	83.6	272.9	2189
8	17:54:49	26.133	-81.439	86.5	274.2	142.82	18:08:12	26.121	-81.430	86.5	274.3	4998
9	18:11:28	24.679	-81.009	90.4	276.0	282.47	18:17:20	24.681	-81.027	90.4	276.1	2199
10	18:17:46	24.693	-81.868	91.8	276.7	294.22	18:28:13	24.699	-81.885	91.8	276.7	3907
11	18:31:44	25.336	-82.999	94.9	278.2	92.67	18:42:49	25.336	-82.984	94.9	278.2	4142
12	18:46:29	25.463	-81.454	98.1	279.9	338.88	18:48:57	25.477	-81.462	98.1	279.9	925
13	18:49:01	25.730	-81.601	98.6	280.2	340.48	19:09:50	25.744	-81.608	98.7	280.2	7781
14	19:10:15	28.012	-82.746	102.8	283.2	355.17	19:13:52	28.027	-82.749	102.8	283.2	1349

NUMBER OF FILES FOR THIS FLIGHT = 14
 TOTAL NUMBER OF SCAN LINES = 47071
 DATE THESE FILES WERE PROCESSED = 04-Feb-2002
 DATE THIS LIST WAS CREATED = Mon Feb 4 15:42:46 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-136

9 SEPTEMBER 2001

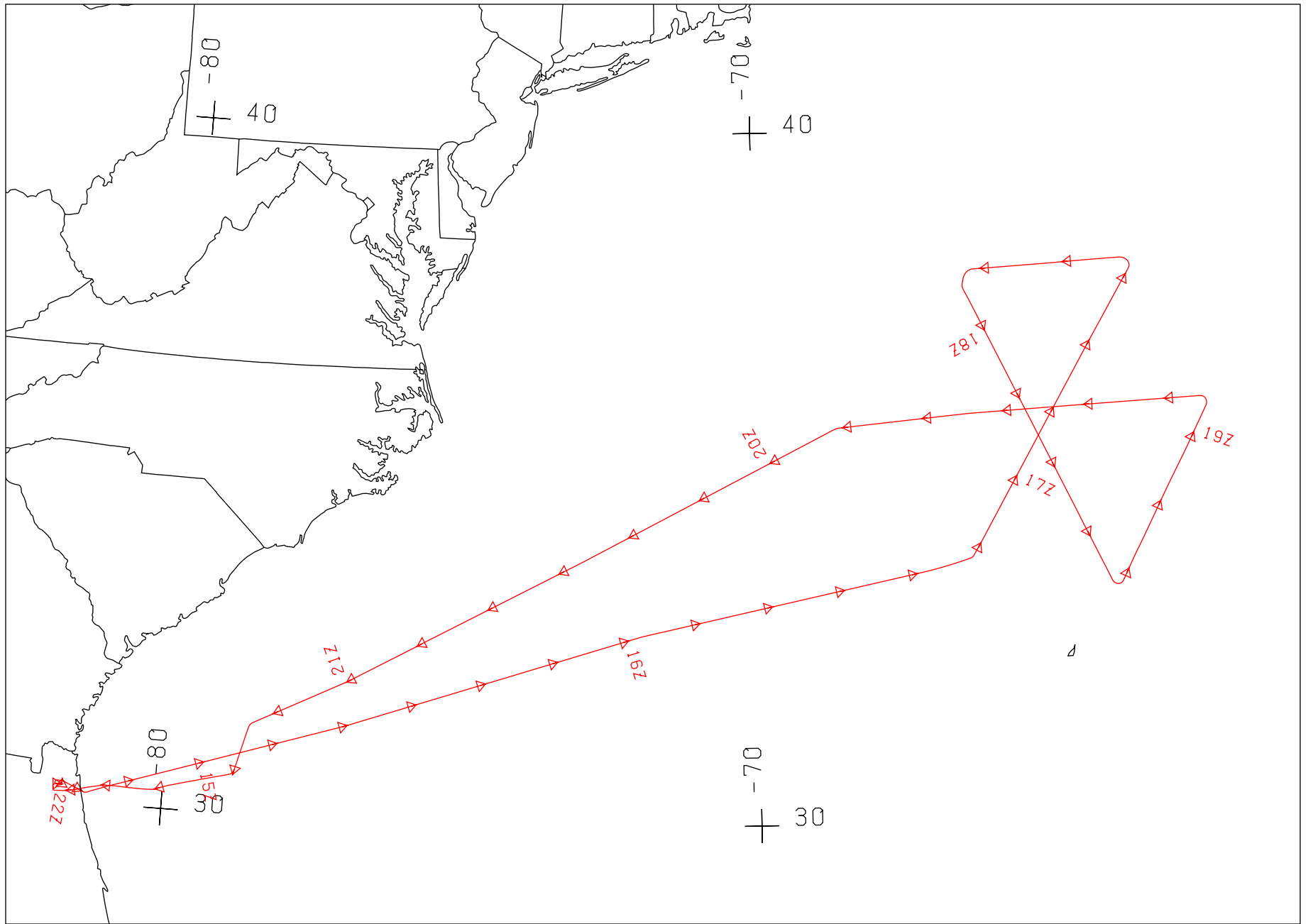
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 10 Sep 2001
 NASA FLIGHT NUMBER 01-137

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	15:01:39	30.750	-79.223	49.7	248.4	73.89	15:28:24	30.754	-79.207	49.8	248.4	9999
2	15:28:25	31.631	-76.081	55.4	252.7	76.22	15:55:10	31.635	-76.066	55.5	252.7	9999
3	15:55:10	32.522	-72.881	61.2	256.6	75.66	16:21:55	32.526	-72.865	61.2	256.6	9999
4	16:21:55	33.198	-69.577	66.8	260.4	81.00	16:48:02	33.201	-69.561	66.8	260.5	9761
5	16:48:42	33.812	-66.239	72.4	264.2	33.98	17:15:27	33.824	-66.230	72.5	264.2	9999
6	17:15:27	36.342	-64.338	78.1	267.4	36.34	17:31:11	36.354	-64.329	78.1	267.4	5885
7	17:33:23	37.964	-63.321	81.7	269.8	271.31	17:51:11	37.964	-63.340	81.7	269.8	6657
8	17:54:22	37.657	-66.185	85.9	273.1	154.44	18:21:07	37.643	-66.178	85.9	273.1	9999
9	18:21:07	34.931	-64.701	91.5	277.1	155.29	18:36:42	34.918	-64.694	91.5	277.1	5823
10	18:38:33	33.308	-63.692	95.3	279.5	31.92	19:04:03	33.321	-63.684	95.3	279.5	9530
11	19:05:46	35.873	-62.088	100.2	283.8	270.23	19:32:31	35.873	-62.107	100.2	283.9	9999
12	19:32:31	35.865	-65.942	105.4	288.1	269.68	19:50:38	35.864	-65.960	105.5	288.1	6770
13	19:50:56	35.719	-68.560	109.0	291.2	250.81	20:17:41	35.713	-68.578	109.0	291.2	9999
14	20:17:41	34.313	-71.930	114.6	295.3	243.39	20:44:25	34.306	-71.946	114.6	295.4	9999
15	20:44:26	32.868	-75.169	120.2	299.7	241.02	21:11:10	32.860	-75.185	120.2	299.7	9999
16	21:13:38	31.262	-78.627	126.3	304.8	195.84	21:19:29	31.248	-78.632	126.3	304.9	2190
17	21:20:12	30.568	-78.887	127.8	305.9	253.82	21:22:11	30.564	-78.903	127.8	306.0	747

NUMBER OF FILES FOR THIS FLIGHT = 17
 TOTAL NUMBER OF SCAN LINES = 137354
 DATE THESE FILES WERE PROCESSED = 05-Feb-2002
 DATE THIS LIST WAS CREATED = Wed Feb 6 09:52:59 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-137

10 SEPTEMBER 2001

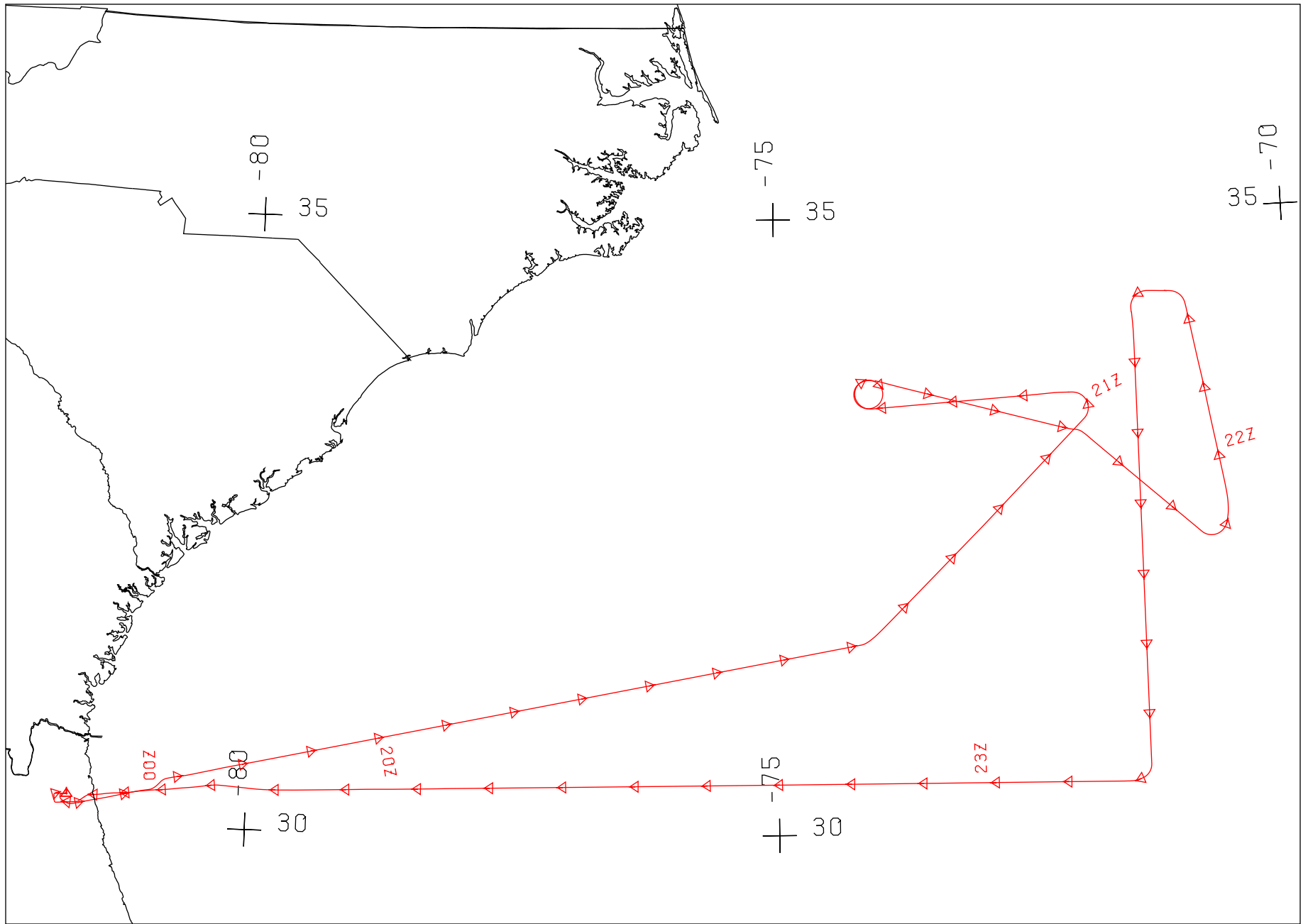
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 16 Sep 2001
 NASA FLIGHT NUMBER 01-138

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	20:01:26	30.809	-78.576	114.3	289.0	78.56	20:28:13	30.813	-78.558	114.3	289.0	10001
2	20:28:13	31.395	-75.150	119.4	293.8	80.71	20:35:34	31.398	-75.133	119.4	293.8	2750
3	20:36:00	31.555	-74.156	120.8	295.3	62.58	20:58:40	31.563	-74.142	120.9	295.3	8470
4	21:01:16	33.546	-72.119	124.4	301.6	273.09	21:15:25	33.547	-72.137	124.5	301.6	5290
5	21:25:30	33.682	-74.050	128.7	307.0	107.21	21:40:08	33.678	-74.033	128.7	307.0	5469
6	21:41:10	33.218	-72.030	131.5	310.6	131.49	21:52:22	33.209	-72.016	131.6	310.6	4185
7	21:54:35	32.426	-70.688	134.1	313.6	20.50	22:10:25	32.440	-70.682	134.1	313.7	5915
8	22:15:39	34.213	-71.514	135.8	321.0	178.75	22:42:24	34.197	-71.514	135.8	321.0	9999
9	22:42:25	31.140	-71.501	141.5	327.8	179.62	22:47:59	31.126	-71.501	141.6	327.8	2081
10	22:49:56	30.372	-71.686	142.9	330.1	272.54	23:16:42	30.371	-71.703	142.9	330.1	9999
11	23:16:42	30.411	-75.327	145.3	340.8	270.95	23:43:28	30.411	-75.344	145.3	340.8	9999
12	23:43:28	30.352	-78.967	146.7	352.5	269.78	23:49:49	30.352	-78.984	146.7	352.5	2376

NUMBER OF FILES FOR THIS FLIGHT = 12
 TOTAL NUMBER OF SCAN LINES = 76534
 DATE THESE FILES WERE PROCESSED = 07-Feb-2002
 DATE THIS LIST WAS CREATED = Fri Feb 8 13:14:24 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-138

16 SEPTEMBER 2001

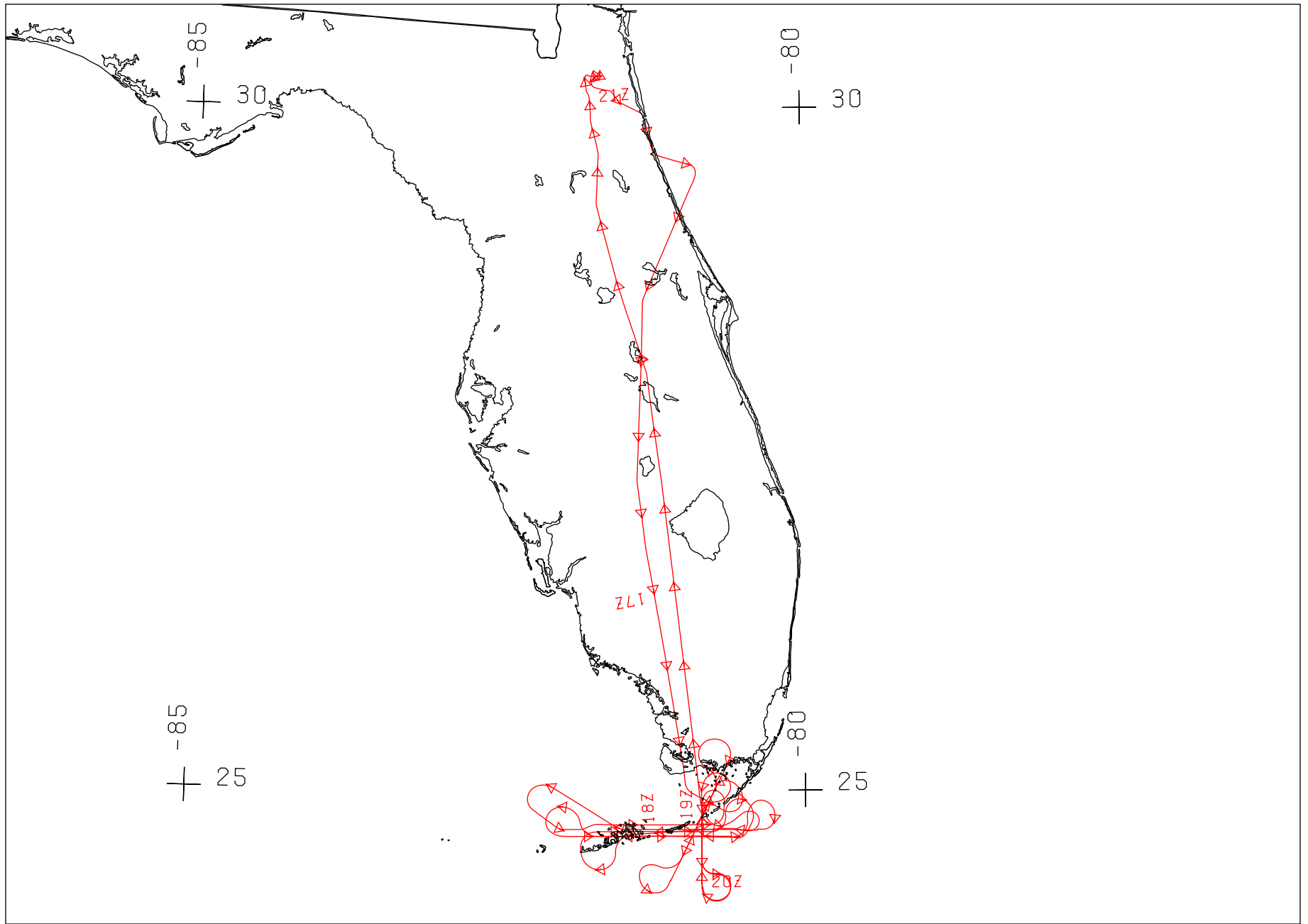
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 19 Sep 2001
 NASA FLIGHT NUMBER 01-139

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	16:41:59	28.477	-81.317	72.2	261.8	181.81	16:52:36	28.462	-81.317	72.2	261.8	3967
2	16:52:43	27.277	-81.357	74.4	263.5	178.00	17:12:37	27.263	-81.356	74.4	263.5	7431
3	17:20:08	25.033	-80.720	80.3	267.1	201.48	17:25:21	25.020	-80.727	80.4	267.2	1949
4	17:31:29	24.310	-81.103	82.9	268.5	27.35	17:38:22	24.323	-81.097	82.9	268.5	2575
5	17:44:40	25.226	-80.612	85.9	269.7	205.54	17:47:56	25.213	-80.619	85.9	269.7	1222
6	17:55:23	24.722	-80.616	88.3	270.9	268.02	18:01:22	24.722	-80.633	88.3	270.9	2235
7	18:08:21	24.696	-81.689	91.3	272.2	90.50	18:16:15	24.696	-81.674	91.3	272.3	2951
8	18:23:31	24.665	-80.626	94.7	273.8	271.88	18:31:36	24.666	-80.643	94.7	273.9	3021
9	18:37:46	24.665	-81.957	98.0	275.3	93.78	18:49:20	24.664	-81.941	98.0	275.3	4319
10	18:55:39	24.715	-80.348	102.0	277.3	272.68	19:04:06	24.716	-80.365	102.0	277.3	3159
11	19:04:34	24.729	-81.509	104.0	278.3	296.19	19:09:19	24.736	-81.525	104.0	278.3	1772
12	19:12:13	24.859	-82.194	105.7	279.2	126.91	19:14:11	24.850	-82.181	105.7	279.2	733
13	19:17:05	24.753	-81.669	106.8	279.7	93.58	19:24:49	24.752	-81.653	106.8	279.7	2889
14	19:28:55	24.918	-80.827	109.4	281.2	181.95	19:32:49	24.903	-80.828	109.4	281.2	1462
15	19:39:01	24.331	-80.837	111.8	282.2	3.09	19:43:28	24.345	-80.836	111.8	282.2	1662
16	19:49:42	24.987	-80.836	114.0	283.8	178.40	19:54:13	24.972	-80.836	114.0	283.8	1690
17	19:59:58	24.292	-80.834	116.4	284.8	4.78	20:05:00	24.306	-80.834	116.4	284.8	1884
18	20:05:30	24.918	-80.844	117.5	285.9	351.09	20:28:43	24.933	-80.847	117.5	285.9	8680

NUMBER OF FILES FOR THIS FLIGHT = 18
 TOTAL NUMBER OF SCAN LINES = 53601
 DATE THESE FILES WERE PROCESSED = 08-Feb-2002
 DATE THIS LIST WAS CREATED = Mon Feb 11 10:02:05 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-139

19 SEPTEMBER 2001

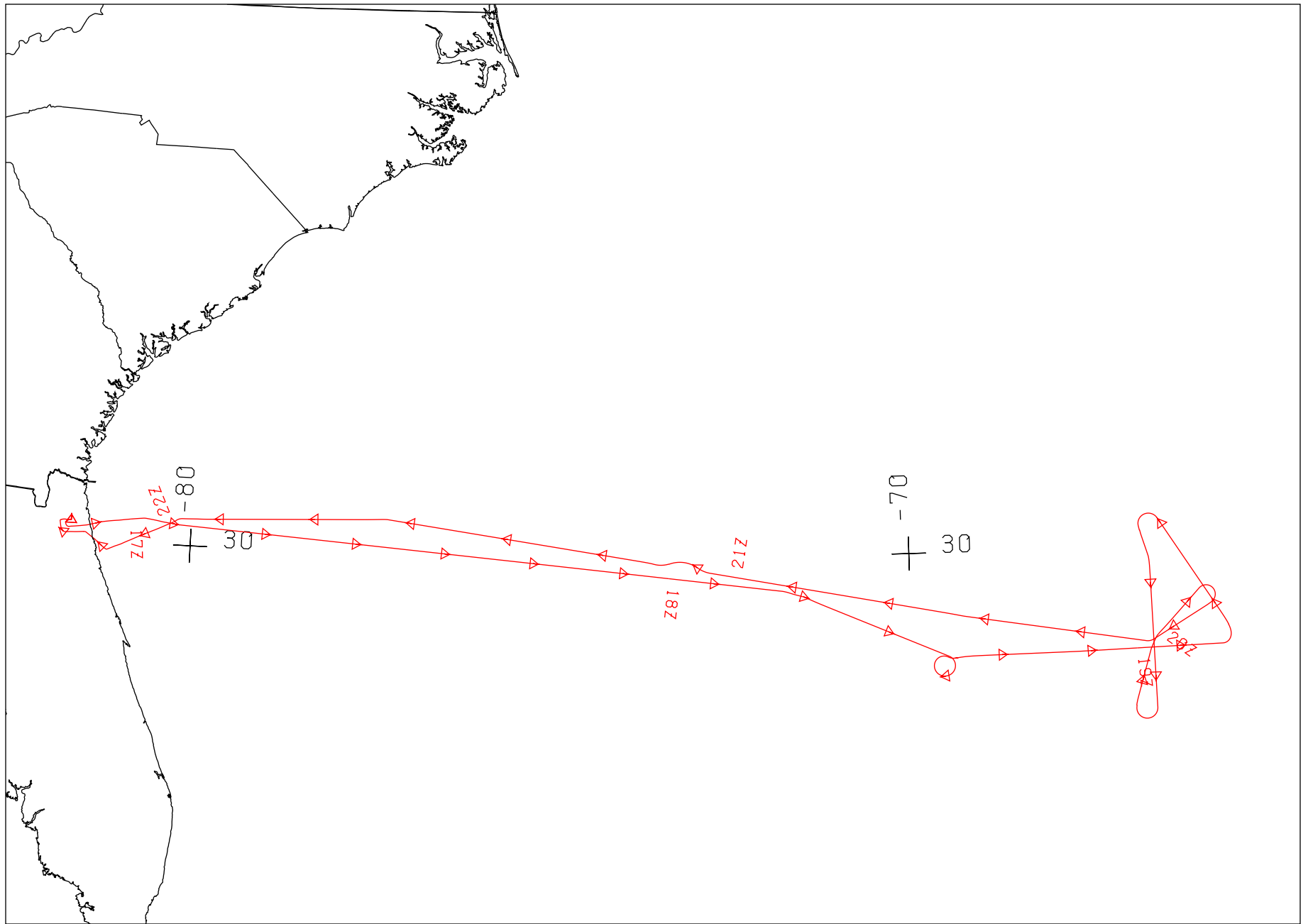
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 22 Sep 2001
 NASA FLIGHT NUMBER 01-140

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	17:14:07	30.190	-79.073	79.9	264.5	95.05	17:40:53	30.189	-79.057	79.9	264.5	9999
2	17:40:53	29.961	-75.729	85.7	267.9	96.14	18:07:39	29.960	-75.713	85.7	267.9	9999
3	18:07:39	29.645	-72.373	91.5	271.2	97.18	18:14:47	29.643	-72.356	91.5	271.3	2668
4	18:14:54	29.506	-71.471	93.1	272.1	109.17	18:31:56	29.500	-71.455	93.1	272.1	6367
5	18:39:39	28.716	-69.401	98.5	275.1	87.43	19:06:24	28.717	-69.389	98.6	275.1	9999
6	19:06:24	28.735	-66.118	104.4	278.4	90.97	19:09:38	28.735	-66.101	104.4	278.4	1208
7	19:11:39	28.893	-65.605	105.5	279.2	352.23	19:25:25	28.908	-65.609	105.5	279.2	5148
8	19:28:21	30.220	-66.793	108.8	281.8	170.85	19:31:50	30.206	-66.790	108.8	281.8	1302
9	19:32:00	29.830	-66.676	109.6	282.2	171.82	19:48:11	29.815	-66.674	109.7	282.2	6052
10	19:51:45	28.017	-66.953	114.3	284.3	9.23	19:58:10	28.032	-66.952	114.3	284.3	2399
11	19:59:47	28.875	-66.616	115.8	285.8	43.30	20:06:39	28.886	-66.605	115.8	285.8	2569
12	20:10:06	29.237	-65.849	117.8	287.7	237.29	20:17:07	29.229	-65.863	117.8	287.7	2623
13	20:17:57	28.819	-66.775	119.5	288.7	283.17	20:44:41	28.822	-66.792	119.6	288.7	9999
14	20:44:41	29.406	-70.297	124.8	293.6	282.33	21:11:26	29.409	-70.314	124.8	293.7	9999
15	21:11:26	29.967	-73.835	129.7	299.3	280.30	21:36:56	29.970	-73.853	129.7	299.3	9534
16	21:37:03	30.415	-77.271	134.1	305.5	276.25	21:53:21	30.416	-77.288	134.2	305.6	6096

NUMBER OF FILES FOR THIS FLIGHT = 16
 TOTAL NUMBER OF SCAN LINES = 95961
 DATE THESE FILES WERE PROCESSED = 12-Feb-2002
 DATE THIS LIST WAS CREATED = Wed Feb 13 13:58:51 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-140

22 SEPTEMBER 2001

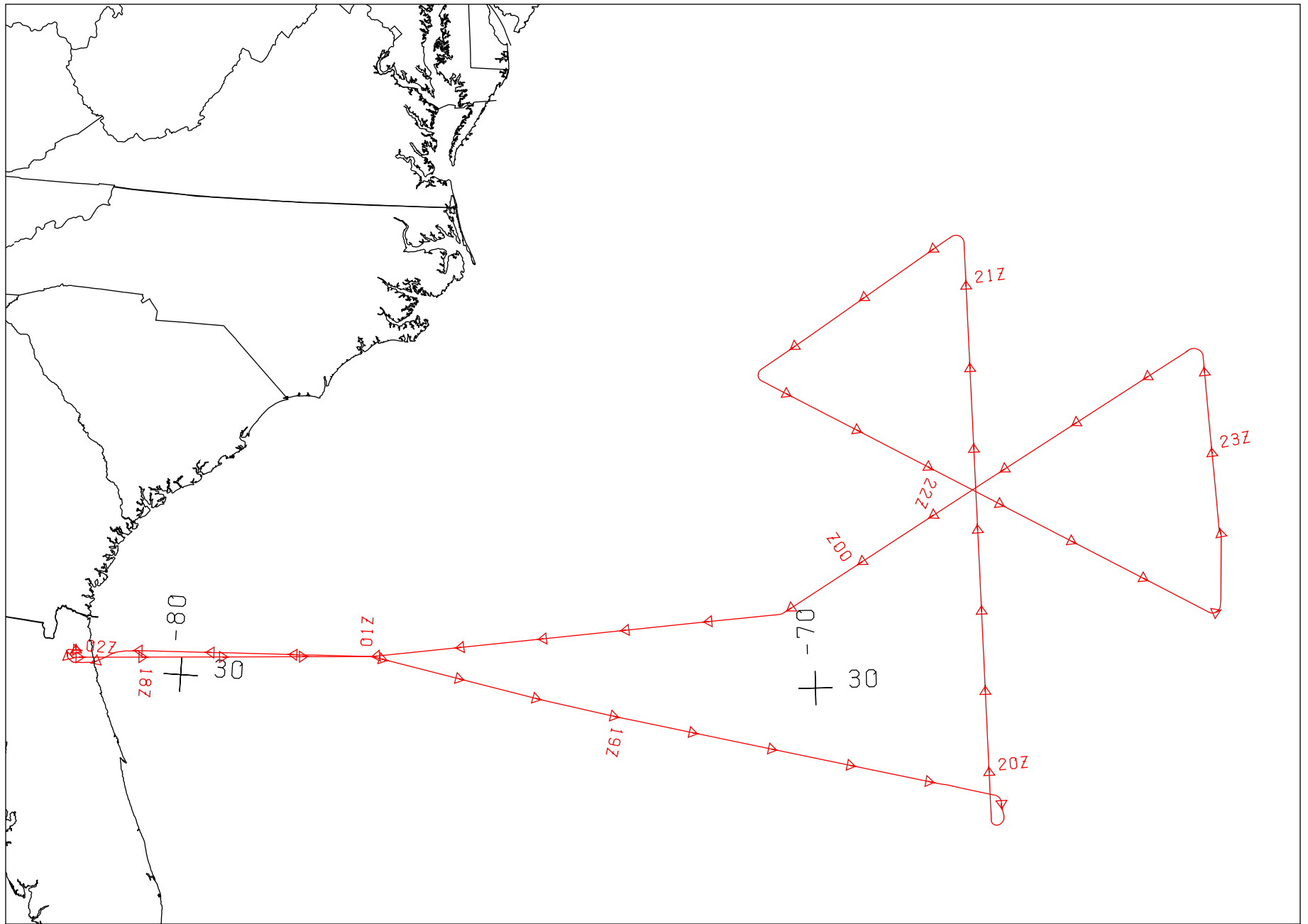
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 23 Sep 2001
 NASA FLIGHT NUMBER 01-141

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	18:07:21	30.259	-79.699	91.6	270.9	88.84	18:28:23	30.260	-79.682	91.6	270.9	7853
2	18:28:31	30.383	-77.017	96.2	273.6	94.80	18:55:16	30.382	-77.001	96.2	273.6	9999
3	18:55:16	29.748	-73.748	102.0	276.9	103.09	19:22:01	29.745	-73.732	102.0	276.9	9999
4	19:22:01	29.124	-70.444	107.9	280.2	103.26	19:41:19	29.120	-70.428	107.9	280.2	7214
5	19:41:24	28.630	-68.086	112.1	282.7	100.09	19:48:22	28.628	-68.070	112.2	282.7	2606
6	19:53:56	28.109	-67.335	114.9	284.3	7.71	20:20:41	28.124	-67.334	114.9	284.3	9999
7	20:20:41	31.075	-67.332	119.6	289.9	3.34	20:47:26	31.090	-67.332	119.6	289.9	9999
8	20:47:26	34.043	-67.334	123.6	296.6	3.13	21:05:01	34.057	-67.334	123.6	296.6	6578
9	21:07:07	36.105	-67.545	126.1	302.1	237.30	21:33:51	36.097	-67.561	126.1	302.1	9999
10	21:36:11	34.217	-70.764	132.2	307.6	116.50	22:02:55	34.211	-70.748	132.2	307.6	9999
11	22:02:56	32.796	-67.710	137.3	313.8	119.47	22:29:40	32.789	-67.696	137.4	313.9	9999
12	22:29:40	31.287	-64.717	142.3	321.1	121.04	22:38:38	31.279	-64.703	142.3	321.1	3357
13	22:40:38	30.840	-63.538	144.0	324.7	11.44	22:49:06	30.854	-63.536	144.0	324.8	3169
14	22:50:20	31.905	-63.460	144.2	329.2	1.46	23:11:29	31.919	-63.461	144.2	329.3	7914
15	23:13:45	34.359	-63.724	144.0	340.1	235.88	23:40:29	34.351	-63.740	144.0	340.1	9999
16	23:40:29	32.840	-66.974	146.9	351.1	239.50	00:07:13	32.833	-66.990	146.9	351.1	9999
17	00:07:13	31.237	-70.109	148.3	3.4	239.42	00:10:28	31.229	-70.124	148.4	3.5	1212
18	00:10:53	31.021	-70.536	148.5	5.2	262.28	00:37:37	31.019	-70.554	148.5	5.3	9999
19	00:37:37	30.714	-74.073	147.6	17.8	263.95	01:04:21	30.712	-74.090	147.6	17.8	9999
20	01:04:21	30.376	-77.586	145.7	29.4	271.08	01:06:51	30.376	-77.603	145.6	29.5	936
21	01:07:06	30.369	-77.949	145.4	30.5	271.02	01:18:27	30.369	-77.966	145.4	30.6	4245

NUMBER OF FILES FOR THIS FLIGHT = 21
 TOTAL NUMBER OF SCAN LINES = 155073
 DATE THESE FILES WERE PROCESSED = 21-Feb-2002
 DATE THIS LIST WAS CREATED = Fri Feb 22 11:28:06 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-141

23 SEPTEMBER 2001

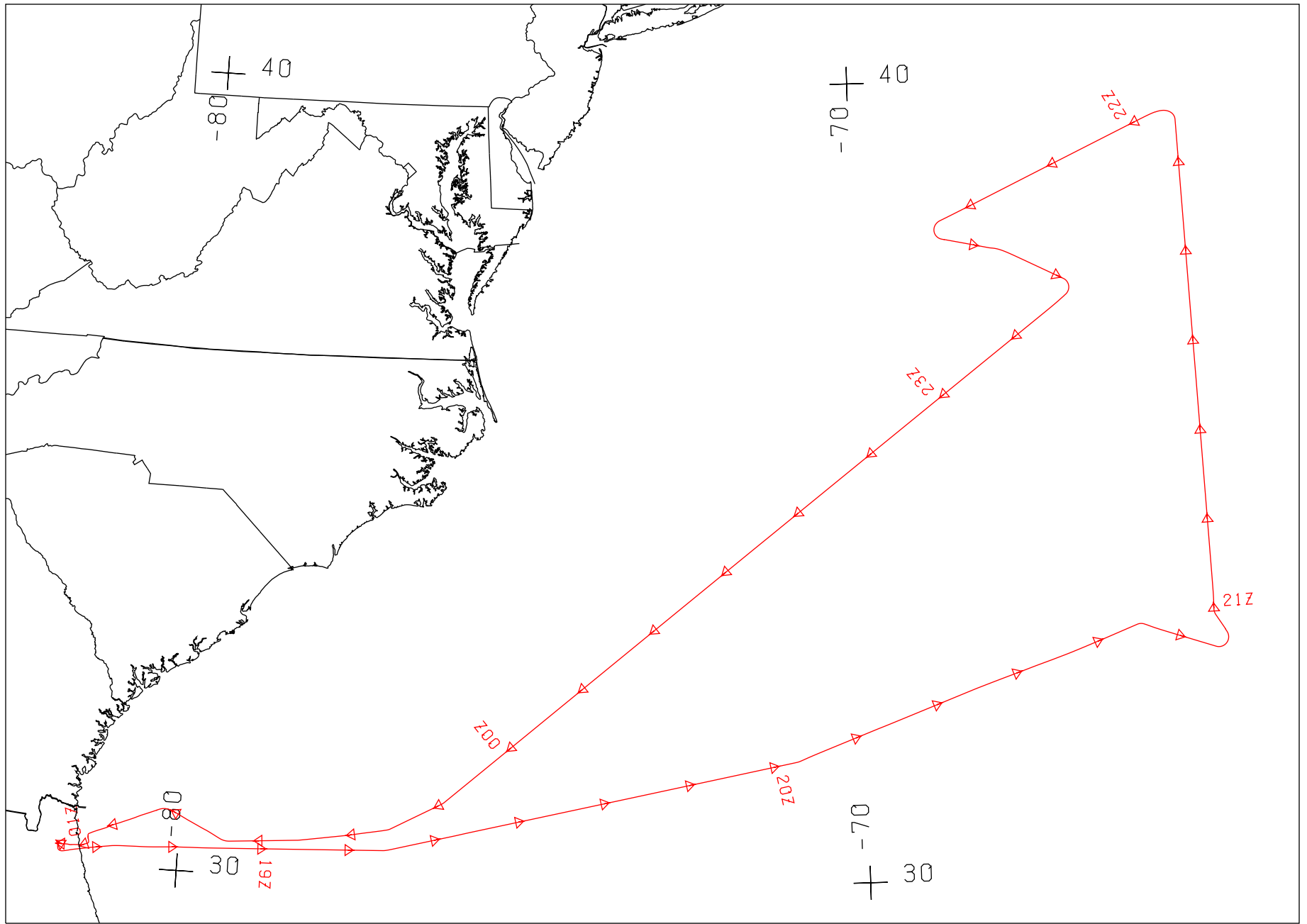
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 24 Sep 2001
 NASA FLIGHT NUMBER 01-142

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	19:02:30	30.345	-78.481	103.7	277.6	91.26	19:13:59	30.345	-78.463	103.7	277.6	4290
2	19:14:06	30.382	-77.020	106.2	279.2	85.96	19:41:02	30.384	-77.003	106.2	279.2	10063
3	19:41:02	31.054	-73.706	111.7	283.2	79.40	20:02:41	31.057	-73.690	111.8	283.2	8091
4	20:02:50	31.537	-70.998	116.1	286.8	73.62	20:29:36	31.542	-70.982	116.1	286.8	9999
5	20:29:36	32.544	-67.773	121.1	291.9	72.98	20:44:39	32.548	-67.757	121.2	291.9	5630
6	20:45:31	33.068	-65.807	124.0	295.2	113.89	20:54:02	33.062	-65.791	124.0	295.2	3183
7	20:56:44	32.897	-64.591	126.1	297.4	333.27	20:59:01	32.910	-64.599	126.1	297.5	853
8	20:59:40	33.190	-64.759	126.6	298.2	1.66	21:26:25	33.204	-64.759	126.6	298.2	9999
9	21:26:25	36.188	-64.749	129.6	306.3	3.28	21:53:10	36.203	-64.749	129.6	306.3	9999
10	21:56:25	39.458	-64.948	131.8	316.5	270.91	22:23:10	39.458	-64.967	131.8	316.5	9999
11	22:26:02	38.024	-68.576	136.8	324.4	104.97	22:31:25	38.021	-68.558	136.8	324.4	2016
12	22:31:31	37.887	-67.828	137.6	326.1	101.35	22:40:29	37.885	-67.810	137.6	326.1	3354
13	22:42:38	37.253	-66.680	139.0	329.6	233.22	23:09:22	37.244	-66.694	139.1	329.7	9999
14	23:09:23	35.386	-69.779	143.1	338.6	233.15	23:36:07	35.377	-69.794	143.1	338.7	9999
15	23:36:08	33.445	-72.755	146.5	349.1	230.91	00:02:53	33.436	-72.769	146.5	349.2	9999
16	00:02:53	31.454	-75.570	148.6	1.4	229.69	00:08:48	31.444	-75.583	148.6	1.4	2215
17	00:09:04	30.988	-76.205	149.0	4.4	240.67	00:15:15	30.981	-76.220	149.0	4.5	2310
18	00:15:35	30.642	-76.985	149.1	7.6	257.80	00:32:52	30.639	-77.002	149.1	7.7	6458

NUMBER OF FILES FOR THIS FLIGHT = 18
 TOTAL NUMBER OF SCAN LINES = 118456
 DATE THESE FILES WERE PROCESSED = 27-Feb-2002
 DATE THIS LIST WAS CREATED = Wed Feb 27 17:34:23 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-142

24 SEPTEMBER 2001

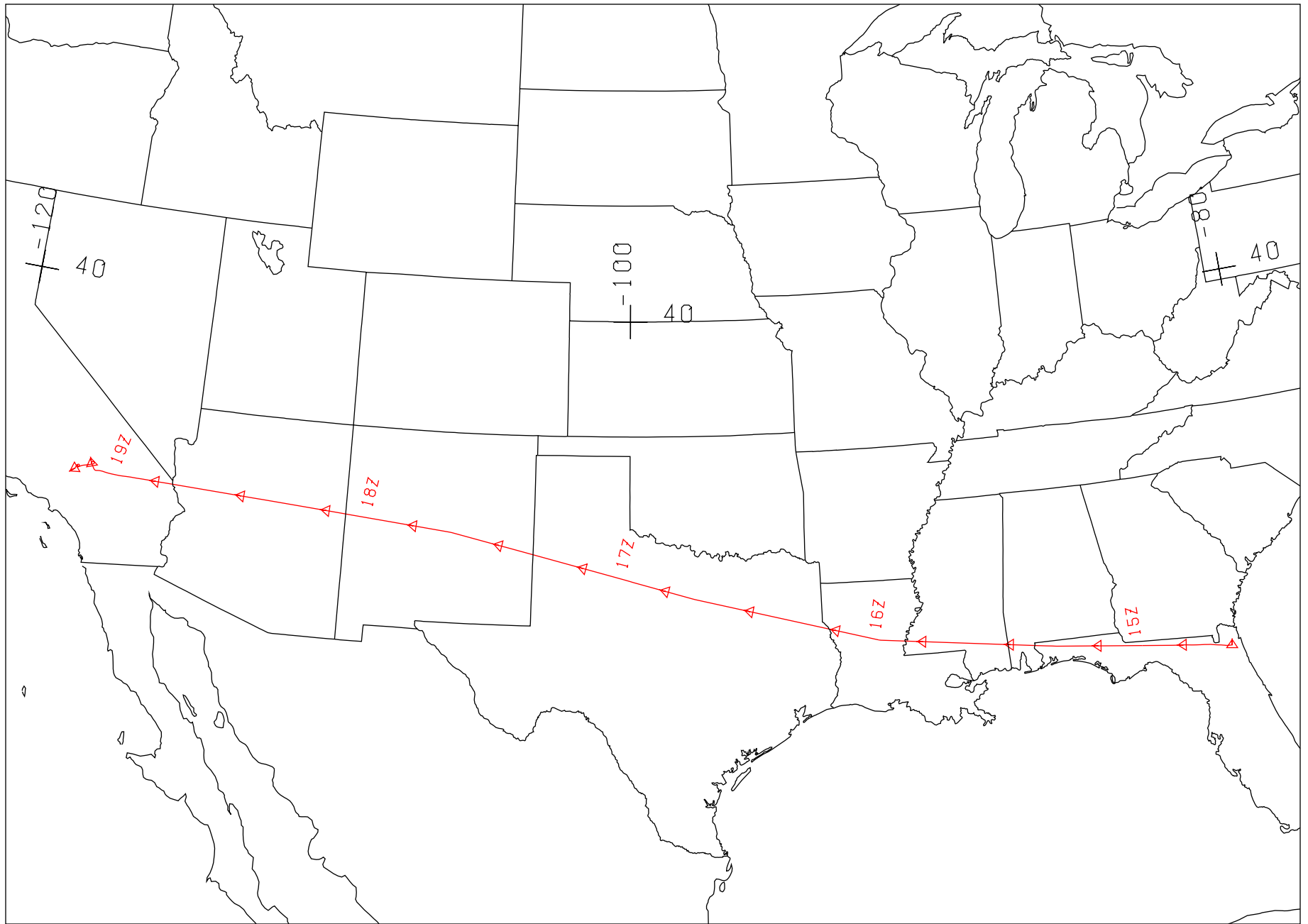
A/C 809

CAMEX 4

MODIS AIRBORNE SIMULATOR (MAS) FLIGHT LINE INFORMATION FOR 26 Sep 2001
 NASA FLIGHT NUMBER 01-143

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	15:01:37	30.604	-84.584	53.6	242.1	279.00	15:28:22	30.606	-84.602	53.7	242.2	9999
2	15:28:23	31.003	-88.137	59.0	247.0	278.88	15:55:08	31.005	-88.155	59.0	247.0	9999
3	15:55:08	31.389	-91.701	64.5	251.4	278.15	15:59:31	31.391	-91.718	64.5	251.4	1635
4	15:59:33	31.443	-92.290	65.4	252.0	278.20	16:26:18	31.446	-92.308	65.4	252.1	9999
5	16:26:18	32.263	-95.799	71.1	255.9	285.80	16:53:04	32.267	-95.816	71.1	255.9	9999
6	16:53:04	33.040	-99.295	76.7	259.6	287.29	17:19:50	33.044	-99.311	76.8	259.7	9999
7	17:19:50	33.815	-102.786	82.4	263.4	285.68	17:46:35	33.819	-102.804	82.4	263.4	9999
8	17:46:35	34.439	-106.424	87.9	267.1	277.21	18:13:21	34.440	-106.443	88.0	267.1	9999
9	18:13:21	34.731	-110.156	93.4	270.9	275.80	18:40:07	34.733	-110.174	93.5	270.9	9999
10	18:40:07	34.904	-113.844	98.9	274.8	272.31	18:49:45	34.905	-113.862	98.9	274.8	3599

NUMBER OF FILES FOR THIS FLIGHT = 10
 TOTAL NUMBER OF SCAN LINES = 85226
 DATE THESE FILES WERE PROCESSED = 04-Mar-2002
 DATE THIS LIST WAS CREATED = Tue Mar 5 12:07:29 PST 2002
 GRANULE VERSION = 1



FLIGHT 01-143

26 SEPTEMBER 2001

A/C 809

CAMEX 4