

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 071029 N	From: KMCF	To: KMCF
Flt No: 08 - 006	In: 0216 Z	On: 0208 Z
ETD: 1730 Z	Out: 1729 Z (8.8)	Off: 1738 Z (8.5)
ETE: 8 + 20min	Blk Time: 8 hrs 47 mins Hrs	Flt Time: 8 hrs 30 mins Hrs
Sponsoring Org: NHC	Program: Hurro7	Purpose: Recco

AOC Flight Crew

Aircraft Commander: Finn, M	Data System: Rogers, M
Co-Pilot: Hagon, J 'Glover, G	AVAPS: Rasco, C
Navigator: /	System Engineer:
Flight Eng: /	AA: Defeo, G
Flight Director: Almeida, J ^t Damiano, AB	AA:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix #

Fix Time

Storm Name: TS NOEL

Mission ID: 0416 A NOEL

Teal 70

U.S. DEP'T OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID: 071029N TIME OFF: 1738 Z TIME ON: 0208 Z

	A/C - Takeoff	WX Station - Takeoff	A/C - Land	WX Station - Land
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Pressure	1019.3 mb ^{B2M}	1019.8 mb		1019.8 mb
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ATIS - Takeoff 1758Z 06023 629 10SM 25/22 30.13

ATIS - Land 0155Z 05010KT 10SM CLR 23/21 30.13

Data Source	Number	Data Disposition / Date / Quality
Flight Level Tapes	<u>2</u>	
Radar Tapes		
Cloud Physics Tapes / Cds		
Video Tapes/DVDs		
Dropsondes	<u>27</u>	Good: <u>27</u> Bad: <u>0</u>
AXBT		
AXCP		
AXCTD		
SONOBUOY		

REMARKS:

BIK
 out in
1729 0216

 T/o Lnd
1738 0208
8 hrs 30 mins
8.5

NAV data base problem reported by AC 1729
 DPRC never cooled down past the AT

weather - nava.gov / weather / RS-acc. ltm

Real 76

07 NOV 10 29

N49RF AOC GPS Dropwindsonde Log

Flight ID ~~N49RF~~ Flight Director ALMEIDA / ASPEN - DANAIAVO Page 1 of 2

Mission ID 0416A Storm NOEL

Drop #	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failure	Send Time (UTC)
1	054626242	183825	24.00	77.00	1011.8	046/ser 0.0	KWDC PRESENT	1		1912
2	054626242	185753	21.54	76.00	1006.6		142439	2	M2B5 H2B244	1945
3	054626240	190623	22.42	75.18	1007.9		145133/100.5	3		1952
4	054626264	191718			1009.6		145221	4		1958
5	054556355	194109	24.54	72.00	1012.6		152355	5		2023
6	054556599	195159	24.06	71.00	1012.3		142420	6		2023
7	054556506	200129	24.54	70.00	1012.6		152455	7		2023
8	054556624	201156	24.06	69.00	1013.5		154430	8		2044
9	054626253	202114	24.54	68.00	1015.2		164500	9		2044
10	054556278	203126	24.00	67.00	1013.5		160334	10		2103
11	054556622	204901	20.00	67.00	1013.5		161056	11		2110
12	054626247	210128	21.06	68.06	1012.4		162133	12	(164759)	2122
13	054626002	211154	22.00	69.00	1011.9		163634	13		2137
14	054646007	212318	23.00	70.00	1011.0		164525	14		2145
15	054556897	213614	23.36	71.30	1010.4		165807	15		2157
16	054556594	214636	21.36	70.48	1009.5		170746	16		2207
17	054556623	215808	20.24	70.30	1009.1		171945	17		2219
18	054556077	221027	19.54	68.54	1007.5		173139	18		2231
19	054556621	222114	19.00	68.00	1012.1		174554	19		2245
20	054556336	223329	17.30	68.06	1012.4		175923	20		2259
21	054556640	224942	17.30	70.00	1010.1		181437	21		2314
22	054626151	230358	17.32	71.42	1008.5		182553	22		2327
23	054556596	231305	17.23	72.50	1006.7		183418	23		2333

Receiv 19582
for dump after 5

Receiv

log sent to 4
- week

194558

Flight ID N071029

Flight Director_

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Mission ID 04167 Storm NOEL

[illegible]

00492

194647
194719

N49RF AOC GPS Dropwindsonde Log

Flight ID 071029N

Flight Director Almeida/Damiano

Mission ID 0416A

Storm NOEL

Page 1 of 2

Drop #	Station # (SWD ID)	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	05446176	183825	23.59	77.00	1011.8	OK, SC		1		✓
2	0544626242	185753	21.51	76.02	1006.6	OK, SC, ST		2		✓
3	054462640	190623	22.38	75.22	1007.9	OK, SC, ST		3		✓
4	0544626244	191718	23.13	74.05	1009.3	OK, SC, ST		4		✓
5	0544626255	194109	24.53	71.57	1012.6	OK, SC, ST	error too delayed bit of sock	5		✓
6	0544626599	195159	24.06	70.57	1012.3	OK, SC, ST		6		✓
7	0544626599	200129	24.06	69.58	1013.5	OK, SC, ST		7		✓
8	0544626599	201156	24.06	68.58	1013.5	OK, SC, ST		8		✓
9	0544626599	202114	24.06	67.58	1015.7	OK, SC, ST		9		✓
10	0544626278	203126	24.01	67.03	1013.5	OK, SC, ST	stopped @ 865.350	10		✓
11	0544626278	204904	22.00	67.02	1013.8	OK, SC, ST		11		✓
12	0544626247	210128	21.06	68.05	1012.4	OK, SC, ST		12		✓
13	0544626247	211544	22.00	69.20	1011.7	OK, SC, ST		13		✓
14	0544626247	212318	22.58	70.02	1012.2	OK, SC, ST		14		✓
15	0544626247	213618	23.55	71.31	1012.4	OK, SC, ST		15		✓
16	0544626247	214636	24.37	70.49	1009.5	OK, SC, ST		16		✓
17	0544626247	215808	25.21	70.29	1008.4	OK, SC, ST		17		✓
18	0544626247	221027	19.56	68.56	1007.5	OK, SC, ST		18		✓
19	0544626247	222114	19.58	68.01	1012.1	OK, SC, ST		19		✓
20	0544626247	223329	17.33	68.04	1012.4	OK, SC, ST		20		✓
21	0544626247	224942	17.30	68.01	1010.1	OK, SC, ST		21		✓
22	0544626247	230358	17.32	71.44	1008.5	OK, SC, ST		22		✓
23	0544626247	231205	17.25	72.51	1006.7	OK, SC, ST		23		✓

Missed planned
ob5 position
due to data
system crash

Flight ID 07029N

Flight Director

ALMEIDA / DAMIANO

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Mission ID 0416A

Storm,

NOEL

Drop #	Channel # Svms ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failures	Sent time
24	054626157	23 29 10	17 58	75 22	1004.5	Nic h		24		✓
25	054626157	23 35 00	17 58	75 22	1004.5	Nic h		25		
26	054626157	23 40 29	18 59	76 13	1005.8	Nic h		26		✓
27	054556085	00 11 33	19 58	79 04	1008.3	Nic h+				

540PM

N49RF AVAPS DropSonde Log

HURRICANE 07 DATE: 07102911 FILE: JACKIE

Mission: TS NOEL Flight #: 1 Status: Sys 1 ✓ Sys 2 ✓ Launcher S/N: 2

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	061 449 176	1	18:38:26	0	29	AD			✓
2	054 626 242	3	18:57:53	13	5				✓
3	054 626 240	1	19:06:24	0	6				✓
4	054 626 264	3	19:17:18	0	5				✓
5	054 556 335	1	19:41:10	0	5				✓
6	054 556 599	3	19:52:00	0	5				
7	054 556 506	4	20:02:28	0	5				
8	054 556 624	1	20:11:56	0	22				
9	054 626 253	3	20:21:15	0	5				
10	054 556 278	1	20:31:27	0	3				
11	054 556 622	3	20:49:02	0	5				
12	054 626 247	1	21:01:29	0	5				
13	054 626 003	3	21:11:55	0	4				
14	054 646 007	4	21:23:19	0	5				
15	054 556 597	1	21:36:14	0	5		ON LS RSDN		
16	054 556 594	1	21:46:36	0	6				
17	054 556 623	3	21:58:08	0	4				
18	054 556 0077	4	22:10:27	0	26				
19	054 556 621	1	22:21:15	0	13				
20	054 556 336	3	22:33:29	0	7				
21	054 556 640	4	22:49:43	0	5				
22	054 626 151	1	23:03:50	0	10				
23	054 556 596	3	23:15:05	0	10				
24	054 556 595	4	23:24:11	0	7				
25	054 626 157	1	23:35:01	0	5				
26	054 626 074	3	23:46:29	0	4				
27	054 556 085	1	00:11:33	0	8				
28									
29									
30									
31									
32									
33									

\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS _____ = _____ = _____

071029n.log	Latitude	Longitude	Press	Temp	DP	WD	WS	MSL Alt	G Alt	Heading	Track	TAS	GS	V Vel	Event Comments
17:12:46	27 50.97'N	82 29.59'W	1019.6	26.1	54.9	96.8	0.4	13.8	13.8	132.4	200.6	0.4	0.2	0.00	test
17:23:17	27 50.97'N	82 29.59'W	1019.6	26.4	53.8	119.5	0.2	14.2	14.2	132.4	135.5	0.4	0.2	-0.01	Engine start
17:29:17	27 50.97'N	82 29.59'W	1019.6	30.4	54.3	147.2	0.3	4.8	4.8	132.4	95.6	0.4	0.2	0.01	Block Out
17:38:28	27 50.63'N	82 31.59'W	1019.0	24.7	52.3	50.6	6.4	13.5	13.4	39.3	40.2	75.9	69.6	0.21	takeoff
18:19:20	25 49.55'N	78 39.94'W	178.0	-60.4	-12.3	294.5	5.3	13116.6	13076.4	141.0	140.3	226.6	231.4	0.01	DPRC still too warm
18:38:29	23 59.09'N	76 59.98'W	169.3	-61.9	-16.2	7.7	2.9	13432.4	13388.8	153.0	152.9	226.3	228.7	-0.02	Drop 1 winds 29s
18:57:52	21 51.33'N	76 02.01'W	169.0	-61.6	-16.7	358.7	8.9	13462.4	13416.7	54.0	57.2	227.2	222.4	-0.48	Drop 2 winds 5s
19:06:21	22 38.88'N	75 21.30'W	168.9	-61.9	-18.4	267.0	1.6	13463.5	13418.5	51.8	51.6	228.1	229.5	-0.33	Drop 3 winds 6s
19:17:18	23 13.04'N	74 04.66'W	169.7	-61.7	-18.7	127.2	6.9	13461.3	13416.8	90.9	89.4	225.0	219.6	0.05	Drop 4 winds 5s
19:23:11	23 13.06'N	73 18.98'W	169.3	-61.8	-18.3	143.1	7.9	13461.0	13416.5	92.2	90.6	225.7	220.8	0.01	Drop 4 winds 5s
at about 19:29Z															Data crash - Back up
19:41:08	24 53.16'N	71 57.42'W	169.3	-62.5	-19.8	178.9	22.2	13458.2	13415.3	95.6	88.7	227.6	226.6	0.22	Drop 5 winds 5s
19:51:58	24 50.72'N	70 57.65'W	169.1	-62.1	-18.8	195.0	12.7	13458.7	13415.0	80.8	78.8	225.7	231.0	-0.25	Drop 6 winds 5s
20:01:30	24 54.28'N	69 57.28'W	169.2	-62.0	-19.8	204.2	21.4	13451.8	13408.9	108.7	102.3	228.3	231.7	0.48	Drop 7 winds 5s
20:11:53	24 05.62'N	68 58.32'W	165.7	-63.4	-18.6	229.0	17.9	13596.4	13552.0	82.9	81.4	225.2	240.1	0.76	Drop 8 winds 22s
20:21:12	24 54.49'N	67 59.19'W	165.8	-63.5	-20.3	240.2	22.1	13587.7	13544.1	98.7	94.1	225.4	245.0	-0.21	Drop 9 winds 5s
20:31:26	24 01.12'N	67 02.45'W	161.9	-64.9	-19.5	242.1	22.2	13748.1	13702.8	159.7	153.7	224.4	222.6	-0.40	Drop 10 winds 3s
20:49:00	21 59.68'N	67 01.96'W	162.0	-64.4	-19.4	244.3	20.9	13753.4	13706.2	208.2	204.2	223.6	207.1	-0.14	Drop 11 winds 5s
21:01:29	21 06.37'N	68 04.96'W	161.9	-64.4	-20.9	229.7	26.5	13757.6	13709.6	288.6	293.6	224.2	211.2	-0.66	Drop 12 winds 5s
21:11:55	22 00.24'N	69 00.22'W	154.6	-66.7	-22.2	228.1	21.3	14041.0	13992.1	311.8	317.0	225.6	224.2	-0.20	Drop 13 winds 4s
21:23:17	22 57.62'N	70 02.00'W	154.5	-66.8	-24.7	220.3	24.6	14046.2	13998.3	278.1	284.1	222.5	210.5	0.17	Drop 14 winds 5s
21:36:15	22 35.47'N	71 31.30'W	154.5	-66.0	-24.3	177.6	19.8	14041.9	13993.6	189.8	192.0	223.7	204.4	0.35	Drop 15 winds 5s
21:46:36	21 36.75'N	70 48.90'W	154.4	-65.6	-22.3	191.5	13.3	14063.4	14016.1	155.8	153.1	224.7	214.0	-0.21	Drop 16 winds 6s
21:58:05	20 21.31'N	70 28.62'W	154.3	-65.7	-22.3	196.2	10.6	14056.7	14006.0	141.5	139.8	224.9	218.9	-0.16	Drop 17 winds 4s
22:10:30	19 56.36'N	68 56.48'W	154.5	-66.5	-23.8	248.2	8.0	14056.7	14006.0	133.9	131.5	223.5	227.0	0.37	Drop 18 winds 26s
22:21:14	18 58.40'N	68 01.31'W	150.7	-67.7	-25.1	232.9	9.2	14199.5	14147.2	163.4	160.7	223.5	220.5	-0.24	Drop 19 winds 13s
22:33:29	17 32.93'N	68 04.72'W	150.9	-67.1	-25.7	239.1	11.0	14207.1	14153.6	232.3	231.1	222.9	211.9	0.53	Drop 20 winds 6s
22:49:42	17 30.02'N	70 00.56'W	147.1	-68.0	-25.9	217.8	14.5	14349.6	14295.2	269.2	272.2	221.7	212.5	-0.07	Drop 21 winds 5s
23:04:01	17 31.77'N	71 44.12'W	147.0	-68.2	-26.2	215.5	13.3	14366.1	14311.7	260.5	263.2	222.7	213.5	-0.28	Drop 22 winds 10s
23:13:06	17 23.10'N	72 50.51'W	146.9	-67.7	-25.3	257.5	6.5	14371.3	14316.7	266.8	266.5	223.4	216.9	-0.09	Drop 23 winds 10s
23:24:21	17 24.50'N	74 12.90'W	146.9	-66.9	-24.5	290.9	10.3	14358.9	14304.4	291.3	290.5	223.3	212.9	0.31	Drop 24 winds 7s
23:35:00	17 57.67'N	75 21.89'W	146.7	-66.8	-24.0	281.1	13.0	14869.7	14315.6	308.8	309.9	224.7	213.2	-0.08	Drop 25 winds 5s
23:46:24	18 59.61'N	76 13.15'W	146.7	-67.1	-24.1	269.4	16.5	14856.0	14302.8	301.2	303.8	223.2	209.4	-0.46	Drop 26 winds 5s
00:11:34	19 59.57'N	79 04.19'W	146.6	-68.1	-25.2	231.8	14.9	14859.0	14306.5	292.1	295.4	223.5	216.5	0.39	Drop 27 winds 8s
01:39:51	25 39.90'N	83 39.44'W	146.3	-66.3	-21.4	261.4	16.1	14827.9	14281.0	21.3	24.6	234.5	242.9	-0.46	Beginning aft
equipment hot drill															
01:40:43	25 46.01'N	83 36.32'W	146.4	-66.2	-21.3	262.6	16.7	14823.1	14276.4	21.3	24.6	234.1	242.5	-0.47	mark reports
simulated fire in the back.															
02:08:06	27 50.31'N	82 31.90'W	1019.2	23.9	45.3	41.6	8.3	15.4	15.4	40.0	39.9	64.2	55.8	-2.99	Land
02:16:06	27 50.97'N	82 29.59'W	1020.1	23.7	48.9	26.5	3.0	8.3	8.3	133.5	199.1	0.4	3.1	0.03	Block In

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: NOEL

National Hurricane Center: October 29, 2007 7:55:07 AM

Aircraft: N49RF

Proposed takeoff: ~~092000Z~~ ¹⁷³

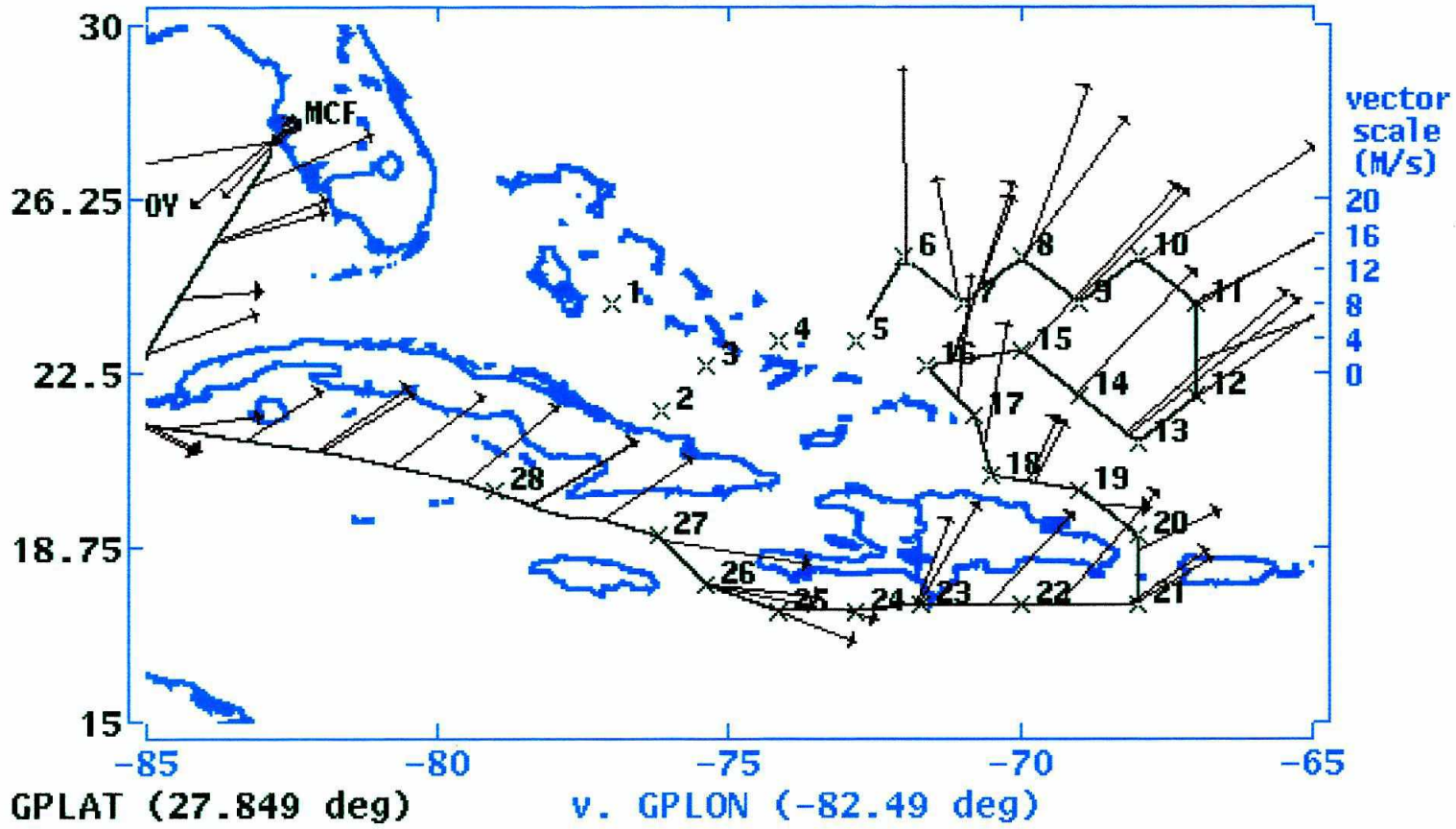
29/1730Z

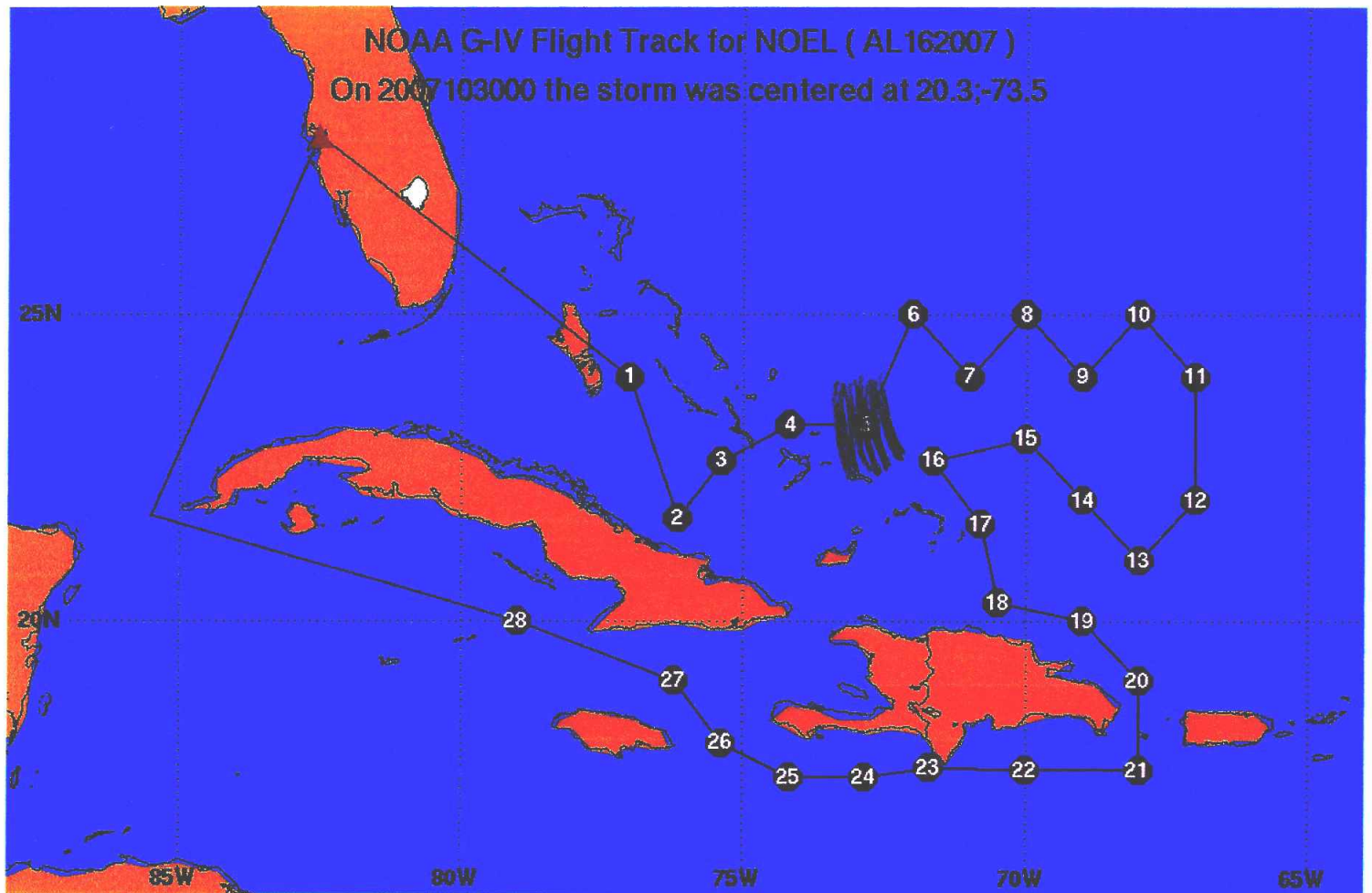
DROPP LOCATIONS

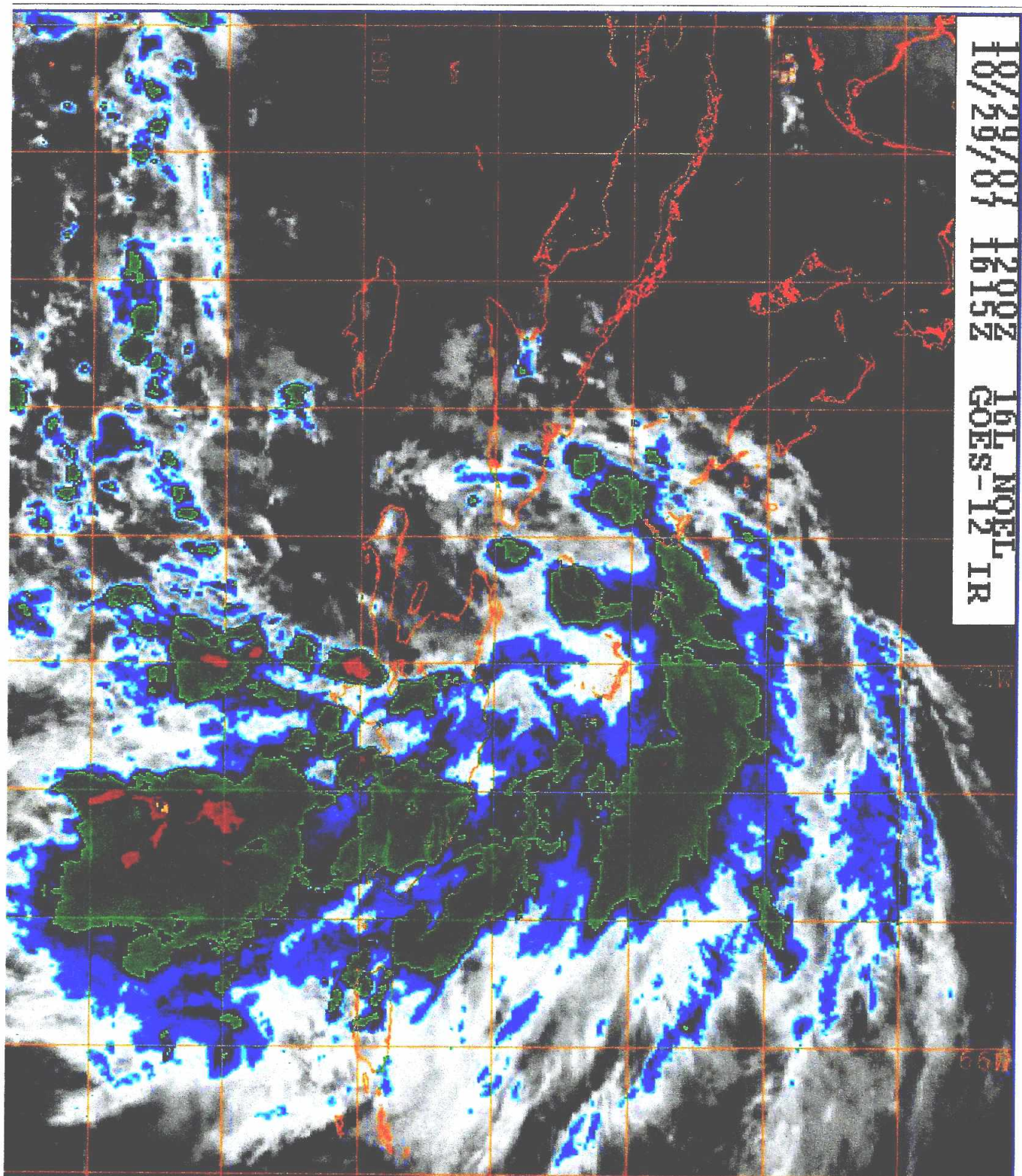
Drops

#	LAT (d m)	LON (d m)	TIME (h:mm)
1	24 00	-77 00	0:53
2	21 42	-76 09	1:13
3	22 39	-75 22	1:23
4	23 13	-74 10	1:34
5	23 13	-72 50	1:44
6	25 00	-72 00	1:60
7	24 00	-71 00	2:11
8	25 00	-70 00	2:23
9	24 00	-69 00	2:34
10	25 00	-68 00	2:45
11	24 00	-67 00	2:57
12	22 00	-67 00	3:13
13	21 00	-68 00	3:24
14	22 00	-69 00	3:36
15	23 00	-70 00	3:47
16	22 39	-71 38	4:00
17	21 36	-70 48	4:11
18	20 18	-70 30	4:22
19	20 00	-69 00	4:34
20	19 00	-68 00	4:45
21	17 30	-68 00	4:58
22	17 30	-70 00	5:14
23	17 32	-71 42	5:27
24	17 23	-72 50	5:36
25	17 23	-74 10	5:47
26	17 57	-75 22	5:58
27	19 00	-76 12	6:08
28	20 00	-79 00	6:32

'carib-drop' (ads@L3) Proi. 706 Flt rf07 Oct-30-07 02:21:02
19:31:07 to 02:20:53

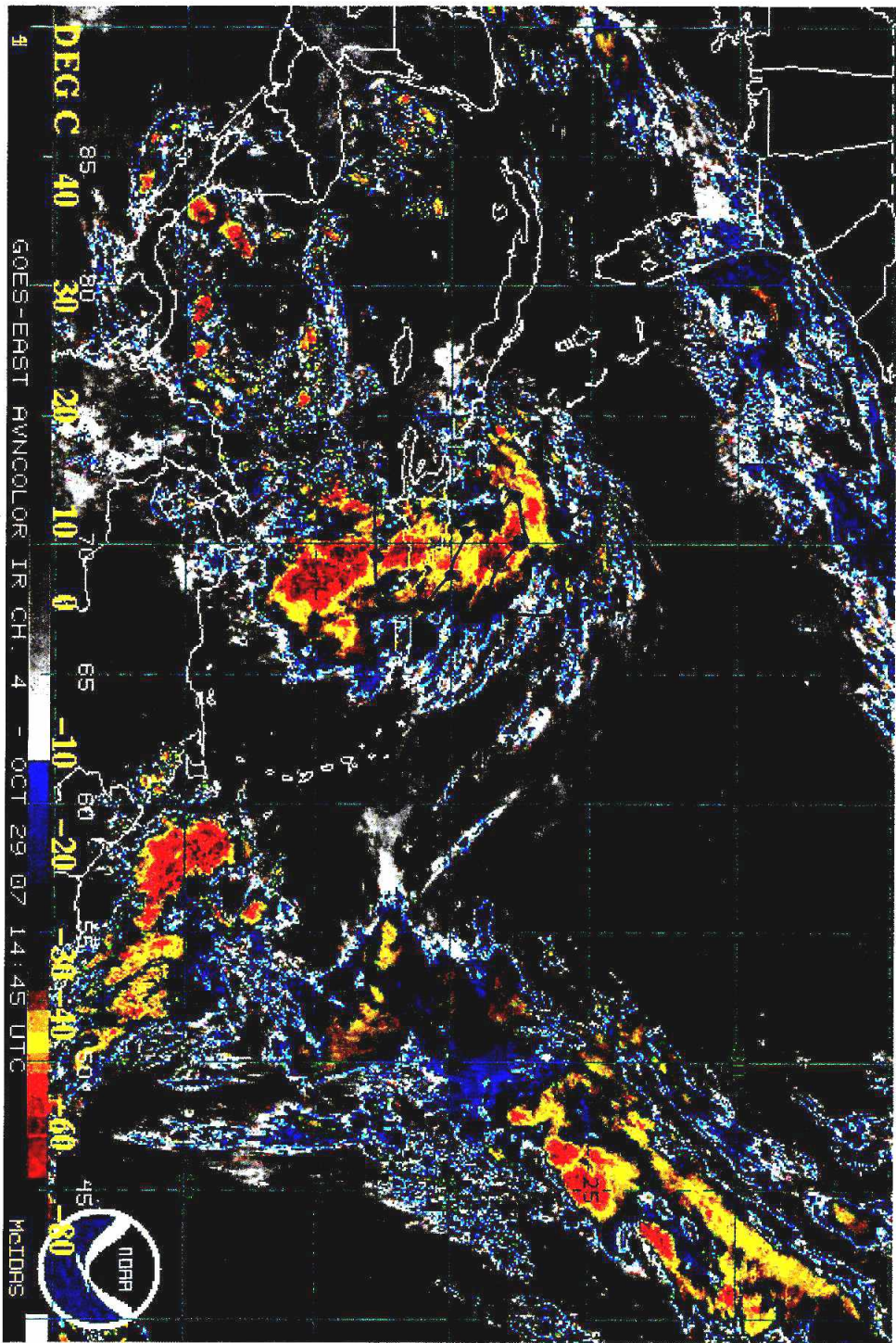






Green -60 Blue -50 Light Blue -40

☒ Lat on ☐ HDW-high ☐ HDW-mid ☐ HDW-low ☐ Trop Fcst Pts ☐ SST ☒ IR Temps



Start Rock < > Set Animation Speed Zoom < > Show Refresh

Left click - toggle on/off. Right click - show frame

1445Z
1045L

This loop intended for informational purposes only!
For Emergency situations and/or decisions, please refer to your local Emergency Management Office.

NOAA G-IV Flight Track for NOEL (AL162007)

On 2007103000 the storm was centered at 20.3;-73.5

