

RC	M. CANN. ✓	SYS ENG	1 HORN BROOK ✓
CP	YATES ✓	DATA SYS	LIDO ✓
MEM	POSTON ✓	RADAR	M. D. R. ✓
FE		BT/ODW	
RADIO		CLD PHYS	
FD	Prattish ✓	DOPPLER	

[illegible]

LATE START - R side start value problem. 15 to 19.
175.2
290/4
34/24
31/20
1013.4
60/2

N 05104 Humberto

3248 2330
6703 817 982
809
16

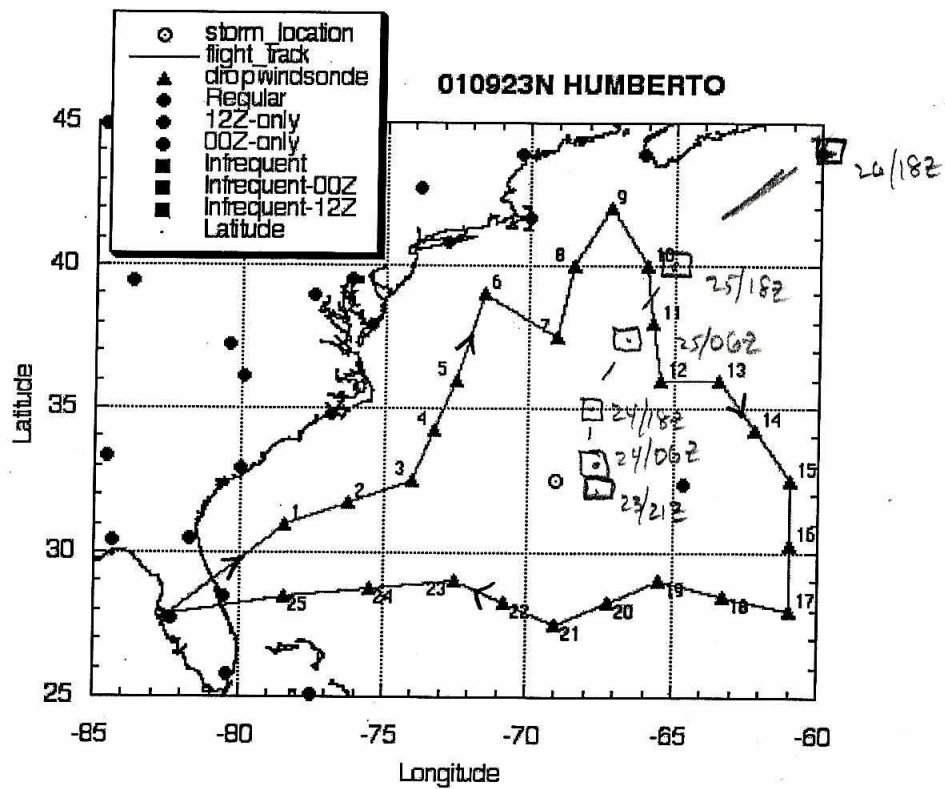
0109230 T.S. Humberto Surveillance

Time	Lat	Long	TK	WD	WS	PA	CA	TA	TD	Ps	Drop#	Quality
180640	2754	8223		87	3	1398	1519	17	13	841	↑	
1903	2817	8223	50	283	1.7	5283	5609	-5.5	-18	506	↑	
194033	3100	7829	~	214	7.3	12695	13239	-61.1	-71.9	168	1	✓
1957	3145	7615	67	176	10.6	13067	13616	-64	-73	160	2	✓
201314	3231	7401	~	190	15	13060	13637	-64	-75	1599	3	no winds
201857	3242	7354	19	195	15	13064	13634	-64	-75		34	✓
202734	3415	7315	19	211	20	13661	13631	-64.7	-75.5	159	4	✓
204137	3600	7230	160	250	23	13058	13614	-62.7	-75.7	1594	5	✓
20506	3854	7123	~	240	23	13070	13574	-62	-74	160	6	LATE wind
212317	3737	6900	~	232	29	13063	13610	-64.3	-74.7	160	7	no winds
212459	3751	6855	8	236	32	13050	13603	-63.9	-75	159	74	Winds 3/10th low
214157	4000	6829	22	253	31	13058	13547	-61.7	-74	1599	8	✓
215814	4150	6708	~	260	36	13058	13509				9	✓
221504	3959	6559	~	247	33	13050	13555	-62.6	-73.6	160	10	✓
223233	3800	6545	175	242	33	13046	13611	-64.3	-75	1599	11	✓
224946	3601	6524	~	243	24	13042	13629	-66.3	-75.9	159.9	12	✓
230110	3558	6331	~	276	23	13043	13634	-64	-76	1598	13	✓
231737	3414	6214	148	262	15	13617	14242	-68	-78	1449	14	✓
233424	3229	6100	~	250	5	13617	14258	-69	-79	144.9	15	✓
235330	3015	6100	180	128	6	13614	14261	-69.9	-77.5	144.8	16	✓
001229	2802	6111	~	66	7.8	13619	14243	-69.7	-75.7	144.8	17	✓
002803	2830	6315	285	260	1.4	13617	14258	-70	-76	145	18	✓
0045	2859	6530	~	185	7.2	13628	14271	-70.7	-76.5	144.8	19	✓
005930	2814	6715	244	220	8	13620	14267	-68.2	-74.3	144.9	20	✓
011421	2732	6900	~	184	6.8	13620	14253	-65.1	-74.2	144.8	21	✓
012833	2815	7046	296.5	184	8.5	13625	14243	-63.9	-74.9	144	22	✓
014242	2859	7230	~	246	10	13620	14240	-64	-75	145	23	✓
020502	2845	7531	265	292	7.5	13621	14229	-63.6	-76	145	24	✓
022712	2830	7830	261	300	2.4	13607	14222	-64	-77	145	25	✓
0259	2748	8225	247	143	6	894	959	-21.8	18.3	908.8	↓	to land

N49RF AVAPS DropSonde Log

N49RF Project: Hurr 01 Flight ID 010923 N

Mission: TD10 Flight #: 1 System Status: GK[illegible]



===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: HUMBERTO/SYNOPTIC =====

NOAA/Hurricane Research Division Saturday, September 22, 2001 12:07:08 PM
Aircraft: N49RF Proposed takeoff: 23/1730Z
=====

TRACK DISTANCES

=====
LAT LON RAD/AZM LEG TOTAL TIME
(d m) (d m) (nm/dg) (nm) (nm) (h:mm)
=====
0 MACDILL 0. 0. 0:00
1 31 00 78 30 294. 294. 0:40
2 32 30 74 00 265. 559. 1:16
3 36 00 72 30 225. 784. 1:46
4 39 00 71 30 188. 972. 2:12
5 37 30 69 00 161. 1132. 2:34
6 40 00 68 30 152. 1285. 2:55
7 42 00 67 15 137. 1421. 3:13
8 40 00 66 00 137. 1558. 3:32
9 36 00 65 30 241. 1799. 4:05
10 36 00 63 30 108. 1907. 4:20
11 32 30 61 00 250. 2158. 4:54
12 28 00 61 00 270. 2428. 5:31
13 29 00 65 30 260. 2688. 6:06
14 27 30 69 00 217. 2904. 6:36
15 29 00 72 30 217. 3121. 7:05
16 28 30 78 30 338. 3459. 7:51
17 MACDILL 230. 3689. 8:23
=====

Turns

===== HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: HUMBERTO/SYNOPTIC =====

NOAA/Hurricane Research Division Saturday, September 22, 2001 12:07:08 PM
Aircraft: N49RF Proposed takeoff: 23/1730Z
=====

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	31 00	78 30		0:40
2	31 45	76 15		0:58
3	32 30	74 00		1:16
4	34 15	73 15		1:31
5	36 00	72 30		1:46
6	39 00	71 30		2:12
7	37 30	69 00		2:34
8	40 00	68 30		2:55
9	42 00	67 15		3:13
10	40 00	66 00		3:32
11	38 00	65 45		3:48
12	36 00	65 30		4:05
13	36 00	63 30		4:20
14	34 15	62 15		4:37
15	32 30	61 00		4:54
16	30 15	61 00		5:12
17	28 00	61 00		5:31
18	28 30	63 15		5:48
19	29 00	65 30		6:06
20	28 15	67 15		6:21
21	27 30	69 00		6:36
22	28 15	70 45		6:50
23	29 00	72 30		7:05
24	28 45	75 30		7:28
25	28 30	78 30		7:51

Dropsonde
Points

UENT13

Refrans 1-3

X&AA

5PM

217	23/21	32.3	67.4	→ 1 hour 70
	24/06	33.4	67.5	
	24/18	35.2	67.4	
	25/06	37.6	66.5	80
	35/18	40.0	65.0	
	26/18	44.0	58.9	

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Hurr 01 Project No. 106 Flight No. 9 Flight ID: 010923 nSED Crew: Hornbrook, Lino, McNamara Mission: TD #10Pre-Flight: 1630/183Z Take-Off: 1854Z Z Landing: 0306 Z

SYSTEM				Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1			✓ ✗	✓		
	IRS #2			✓ ✗	✓		
	GPS Honeywell #1			✓ ✗	✓		
	GPS Honeywell #2			✓ ✗	✓		
	GPS Collins			✓ ✗	✓	Off? ☐	
	Nose Radar - Collins					Off? ☐	
T E M P / D P		Time	Temp °C			Time	Temp °C
	Temp #1	1642	38.1	✓ ✗	✓	0311	26.6
	Temp #2		36.6	✓ ✗	✓	↑	27.2
	Temp #3		33.6	✓ ✗	✓		26.8
	Temp #4		37.7	✓ ✗	✓		26.8
	DP Left		21.5	✓ ✗	Cal. Time: 1927Z		22.2
	DP Right		23.7	✓ ✗	Cal. Time: 1927Z		22.8
	CRYO		20.4	✓ RJM	✓	↓	16.5
P R E S S	Attack Angle (ADCAOA)			✓ ✗	✓		
	Angle of Attack (APx, DAPx)			✓ ✗	✓		
	Sideslip (BPx, DBPx)			✓ ✗	✓		
	Static Pressure (PS1M, PS2M)			✓ ✗	✓		
	Dynamic Pressure (QCxM)			✓ ✗	✓		
	Radome Press. Lines			Checked? ☐ Date: 7/12/01			
Mission Pitot/Static Iso. Valves				Valves: open ☐ closed ☐			
S Y S T E M	Satcom (Flight Phone) ☒				✓	Off CB? ☐	
	Call COMSAT? ☒ (*292#)			CB's Checked? ☒	✓		
	FCU/UPS/CB				✓	UPS off? ☐	
	MADS (WINDS/DISCWIN)				✓	# DATs: 1	
	Printer 1 (lp1)			Power? ☒ Paper? ☒	✓	Printer Power off? ☒	
	MADS Cal. Date: 7/6/01			QC time: 1720/184		QC time: 0307	
	HAPS System			Time set? ☒ Sim		# Msg.: 26 # Fail: 33	
	AVAPS System			✓	✓		
	Exterior Walk Around ☒						
	Inspect DropSonde Chute Bolts						
M I S C	Down Port Door			Open? ☒		Closed? ☒	
	AVAPS Sondes			# On Board: 54	# Dropped: 27	# Good: 25	
	Sci. Power Monitor				✓		
	APN-232 Altimeter				✓		
	Modem			Power On? ☒	✓		

1	DAT Tape #1	On: 11841	Type: 60	Off: 0316
Comments:				

Please Note Any Discrepancies

[illegible]