

Flt ID: 010924N	From: K HCF	To: KSAV
Flt No.: 01-057	Blk In: 0156	ATA: 0148
ETD: 1330Z	Blk Out: 1721	ATD: 1731
ETE: 8.5	Blk Time: 8:35 (8.6)	Flt Time: 8:17 (8.3)
Sponsor Org: DHC	Program: Swallowance	Purpose: H. Humberto

AOC Personnel

AC: McCaun ✓	Sys Eng: Hornbrook ✓
CP: Yates / Boston ✓	Data Sys: Lino ✓
Nav:	McCaun Mc Namara ✓
FE: Kitson	GPS/BT:
Avionics:	Cld Phys:
FD: Parrish ✓	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Aberson, S. ✓	PI	NAD
Reaser, P. ✓	HAPS	NAD

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #)

32/24
 29.94
 29.17
 1012.1
 30/23

1002 2K BRN 9K BRN 12K BRN 8V13
 CALM 22/22 29.87

FLT ID: 010925N	FM: KSAV	TO: KMCF
FLT NO: 01-058	BLK IN: 1932	ATA: 1920
ETD: 18Z	BLK OUT: 1758	ATD: 1808
ETE: 75	BLK TIME: 1:34 (1.6)	FLT TIME: 1:12 (1.2)
SPONSOR ORG: AOC	PROGRAM: Maintenance	PURPOSE:

OAD PERSONNEL

AC McCann	SYS ENG Hornbrook
CP Yates / Poston	DATA SYS Lind
NAV	RADAR McNamara
FE Kitson	BT/ODW
RADIO	CLD PHYS
FD Parrish	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAD

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Aberson, S.		
Roas, P.		

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #) 123.725
 Ferry KSAV-KMCF following maintenance.
 Send IAD forms to Sandy.
 Hold near Brooksville for runway work.

010924N 14. Number 6 Surveillance #2

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

Form 413-50

Time	LAT	LOD	TR	W1	WS	PA	GA	TA	TD	PS	Drop #	Qual	809V 817 (8)
173215	22 47	82 33		200	7	729	761	23	17	421			↑
175130	29 20	82 09	62	224	15	8500	8954	-26	-39	325			↑
181212	30 30	79 30	54	279	6.4	12489	13049	-61.4	-66.9	175.6	1	✓	
183807	32 29	76 28	70	259	10	13065	13612	-64.1	-73.1	159	2	✓	
185308	32 36	74 15	88	257	5.8	13063	13616	-61.4	-73.1	159.7	3	✓	
190735	32 45	72 08	~	264	4.7	13066	13623	-60.7	-72.8	159.7	4	✓	
192132	34 20	72 45	340	265	8.3	13059	13619	-61.0	-73.5	159	5	✓	
193548	36 00	73 26	~	253	14	13071	13600	-61.8	-74.3	159.7	6	✓	Lost at end
194931	37 40	72 45	16	236	18	13066	13589	-61.9	-74.1	159.5	7	✓	
200248	39 18	71 04	56	219	23.8	13063	13368	-61.7	-73.6	159	8	✓	Gap in wind
201630	40 09	69 57	61	221	28	13059	13581	-63.0	-74.8	159.6	9	✓	
202931	40 57	67 52	~	222	34.6	13063	13591	-63.2	-75.2	159.7	10	✓	
204353	40 09	65 47	116	235	34	13344	13901	-67	-74	152	11	✓	Gap in wind
205738	39 16	63 43	~	253	29	13350	13927	-64	-74	152	12	✓	
211236	37 34	62 58	161	205	17	13417	14011	-65	-72	148	13	✓	
212654	36 00	62 20	~	223	13	13626	14247	-69	-77	145	14	✓	
215119	33 09	62 24	180	213	5.5	13619	14275	-69	-76	145	15	✓	
221537	30 18	62 26	181	117	10.8	13616	14265	-69.9	-76.9	144.7	16	✓	
223836	27 33	62 34	~	70	11.9	13614	14247	-68.5	-75.6	144.8	17	✓	
225623	27 30	65 02	270	112	2.6	13614	14259	-69.6	-76.5	145	18	✓	
231445	27 33	67 27	~	208	7.8	13620	14261	-67.8	-76	143	19	✓	
234230	30 54	67 58	~	212	10.7	13612	14249	-64.7	-75.9	144.9	20	✓	
235832	30 15	69 56	247	248	5.9	13619	14251	-63.5	-75.1	144.9	21	✓	No winds. Fast fall
001920	30 09	70 12	248	255	5.9	13620	14250	-63.9	-75.0	144.9	21A	✓	
001528	29 30	72 00	261	246	7.4	13615	14246	-64.7	-75.4	145	22	✓	
003443	29 04	74 38	260	286	6.7	13617	14253	-64.9	-76.3	144.9	23	✓	
005440	28 42	77 15	288	291	12.1	13616	14249	-65.8	-77.0	145	24	✓	
011445	30 21	79 13	305	243	17.3	13361	14250	-68.9	-77.5	145			App. Squall line

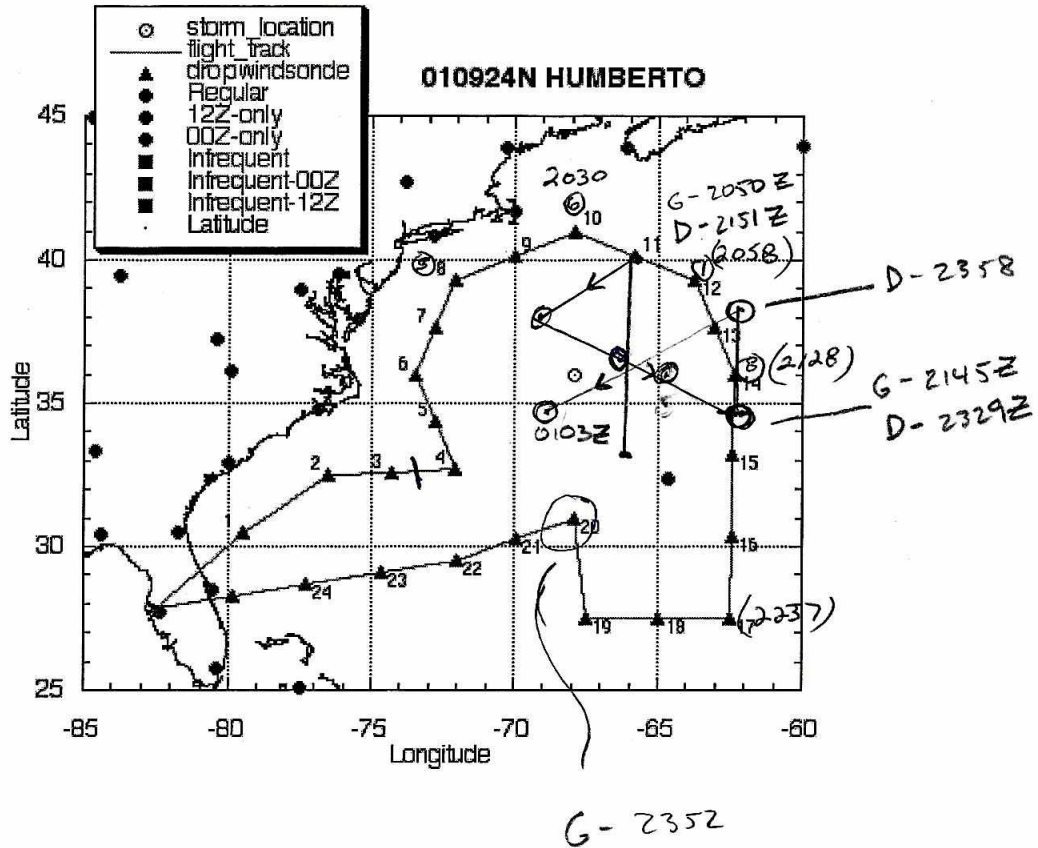
N49RF AVAPS DropSonde Log

N49RF Project: Hurr. 01 Flight ID 010924N

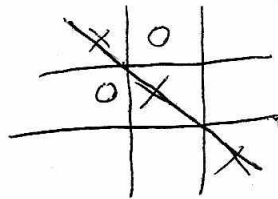
Mission: Humberto Flight #: 2 System Status: OK

DP	Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status / Failure Reason	GOOD ☒
1	1	003248048	1	1812	0.5	23	PH		✓
2	2	003248073	1	1838	0	12	PH		✓
3	3	003248113	2	1853	0	31	PH		✓
4	4	003115070	1	1907	0	14	PH		✓
5	5	003248112	2	1921	0	8	PH		✓
6	6	003155043	1	1935	0	21	PH	Lost Telemetry at end	✓
7	7	003248111	2	1949	0	17	PH		✓
8	8	003515051	1	2002	0	23	PH	WEAK TELEMETRY	✓
9	9	003248110	2	2016	0	14	RJM		✓
10	10	003155037	1	2029	0	49	RJM		✓
11	11	003155050	2	2043	0	18	RJM	WEAK TELEMETRY	✓
12	12	003115066	1	2057	0	22	RJM		✓
13	13	003115067	2	2112	0	22	RJM		✓
14	14	003115071	1	2126	0	14	RJM		✓
15	15	003115431	1	2151	0	41	RJM		✓
16	16	003115069	1	2215	0	25	RJM		✓
17	17	003115432	1	2238	0	27	ph		✓
18	18	003115385	1	2256	0	36	ph		✓
19	19	003135183	2	2314	0	24	ph		✓
20	20	003248109	1	2342	0	23	ph		✓
	21	003115433	2	2358	0	—	ph	No winds Fast Fall	
	22	003338047	4	0000	0	?	ph		✓
	23	003155042	1	0015	0	43	ph		✓
	24	003115244	1	0034	0	19	ph		✓
	25	003515040	1	0054	-.6	50	ph		✓
	26								
	27								
	28								
	29								
	30								
	31								
	32								
	33								

25 dropped 24 good



DP 9 becomes
int of 70°W
DP 9 + DP 11 probably
stay the same



SAV 32 07.5W
81 10.5W

132.15
1677

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

NOAA/Hurricane Research Division Sunday, September 23, 2001 10:16:07 AM
Aircraft: N49RF Proposed takeoff: 24/1730Z
=====

TRACK DISTANCES

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LAT LON RAD/AZM LEG TOTAL TIME
(d m) (d m) (nm/dg) (nm) (nm) (h:mm)

0 MACDILL 0. 0. 0:00
1 30 30 79 30 232. 232. 0:31
2 32 30 76 30 205. 437. 0:59
3 32 42 72 03 300/225 245. 683. 1:33
4 36 00 73 28 300/270 212. 895. 2:02
5 39 19 72 05 300/315 212. 1107. 2:31
6 40 00 67 54 300/360 241. 1349. 3:03
7 39 19 63 43 300/45 241. 1590. 3:36
8 36 00 62 20 300/90 212. 1802. 4:05
9 27 30 62 30 510. 2312. 5:15
10 27 30 67 30. 283. 2595. 5:53
11 31 00 67 54 300/180 211. 2806. 6:22
12 29 30 72 00 246. 3052. 6:56
13 MACDILL 599. 3651. 8:17
=====

Turn
Points

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: HUMBERTO/SYNOPTIC

NOAA/Hurricane Research Division Sunday, September 23, 2001 10:16:07 AM
Aircraft: N49RF Proposed takeoff: 24/1730Z

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DROP LOCATIONS

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#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	30 30	79 30		0:31
2	32 30	76 30		0:59
3	32 36	74 16		1:16
4	32 42	72 03		1:33
5	34 21	72 45		1:47
6	36 00	73 27		2:02
7	37 39	72 46		2:16
8	39 19	72 04		2:31
9	40 09	69 59		2:47
10	40 00	67 54		3:03
11	40 09	65 48		3:20
12	39 19	63 43		3:36
13	37 39	63 01		3:51
14	36 00	62 20		4:05
15	33 09	62 23		4:28
16	30 19	62 26		4:52
17	27 30	62 30		5:15
18	27 30	65 00		5:34
19	27 30	67 30		5:53
20	31 00	67 54		6:22
21	30 15	69 57		6:39
22	29 30	72 00		6:56
23	29 05	74 37		7:16
24	28 40	77 15		7:36
25	28 15	79 53		7:57

=====Dropsonde
Points

2019

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Hurr 01 Project No. 106 Flight No. 10 Flight ID: 010924N
 SED Crew: Hornbrook, Lino McNamara Mission: Huberto
 Pre-Flight: 1645 Z Take-Off: 1731 Z Landing: 0148 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
NAV	IRS #1		✓ ✓ ✓ ✓ ✓ ✓			
	IRS #2					
	GPS Honeywell #1					
	GPS Honeywell #2					
	GPS Collins				Off? ☒	
	Nose Radar - Collins				Off? ☐	
TEMP		Time	Temp °C		Time	Temp °C
	Temp #1	1653	30.5	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		
	Temp #2		32.3			
	Temp #3		30.9			
	Temp #4		33.9			
	DP Left		21.3		Cal. Time:	
	DP Right		22.5		Cal. Time:	
	CRYO					
PRESS	Attack Angle (ADCAOA)		✓ ✓ ✓ ✓ ✓ ✓			
	Angle of Attack (APx, DAPx)					
	Sideslip (BPx, DBPx)					
	Static Pressure (PS1M, PS2M)					
	Dynamic Pressure (QCxM)					
	Radome Press. Lines			Checked? ☒ Date: 9/2/09		
Mission Pitot/Static Iso. Valves		Valves: open ☒ closed ☐				
SYSTEMS	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:			QC time: 17/6	QC time: 0151Z	
	HAPS System			Time set? ☒ 51m	# Msg.: 24 # Fail: 21	
	AVAPS System			DL		
EXTERNAL	Exterior Walk Around ☒		✓ DL			
	Inspect DropSonde Chute Bolts					
MISC	Down Port Door		Open? ☒		Closed? ☐	
	AVAPS Sondes DL		# On Board: 64	# Dropped: 25	# Good: 24	
	Sci. Power Monitor		✓			
	APN-232 Altimeter		✓			
COMM	Modem		Power On? ☒	PM		

1	DAT Tape #1	On: 17/5	Type: 60	Off: 0154
	Comments: TOD- manual update			
	1.2 SCFH @ 2229			

Please Note Any Discrepancies

[illegible]