

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 990912A	FM: MCF	TO: MIA
FLT NO: 99-51	BLK IN: 0232	ATA: 0224
ETD: 0730Z	DLK OUT: 1720	RTD: 1733
ETE: 9	BLK TIME: 9:12 (9.2)	FLT TIME: 8:51 (8.8)
SPONSOR ORG: NHC	PROGRAM: Surveillance	PURPOSE: H. FLOYD

OAO PERSONNEL

AC Maxson ✓	SYS ENG Goldstein ✓
CP Yates ✓ / McCann ✓	DATA SYS Wagonbrook ✓
NAV White ✓	RADAR Smith ✓
FE Kivson	DT/ODW
RADIO	CLD PHYS
FD Enrich ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Goldberg, S ✓	WAB	HAD
Kaplan, S ✓	↓	
Kleinberg, E ✓	Press	P. In
Podis, J. ✓	↓	

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

1659Z
29.98 TEAL 28 182,002 1308A FLOYD
31/21 22030 - Data sys Fail. Restart, new tape.
070/8 25 drops, 24 good. 24 misses.
-41
32/21 MIA ATIS
1014 040/7
30/6 28/24
29-90
32/6
30.7/22.9
1012.4

990912D H. FLOYD Surveillance

Time	LAT	ION	TK	WD	WS	69	PA	DA	TD	SP			
1720	Out												
1733	Off												
1742	27 45	81 48	93	54	9	4813	4618	0.2	-12	560	↑		
180002	28 51	78 50	22	281	14	12630	12113	-58.3	-56	182	Drop	1	Poor winds
180436	29 02	78 44									Drop	1A	NO winds
181305	29 22	78 28	51	349	7.4	13115	12553	-60	-62		Drop	1B	
182555	29 20	77 04	51	237	7.7	13103	12579	-60.9	-61.9		Drop	2	
184255	31 40	75 10	50	284	6.7	13111	12574	-62.3	-60.8	175	Drop	3	
185926	33 06	73 15	49.7	258	8.2	13110	12568	-59.9	-62.5	175.5	Drop	4	
191540	34 20	71 20	49	277	11	13108	12560	-55.5	-63.3	175.7	Drop	5	
193130	35 40	69 24	49	299	11.7	13095	12565				Drop	6	
194755	36 55	67 25	~	275	4.7	13094	12566	-52.7	-65.3	175.6	Drop	7	
200436	34 59	65 06	210	231	8	13125	12562	-61.3	-64.7	175.7	Drop	8	
203616	32 59	68 00	208	201	7.6	13143	12565	-60.3	-64.9	175.6	Drop	9	
210013	30 20	69 00	198	215	10	13740	13145	-65	-67	159.4	Drop	10	
2112	29 04	69 29	198	199	21	13747	13143	-64	-66.8	159.4			
212320	27 40	70 00	199	149	23	13752	13139	-64	-63	159	Drop	11	
215935	25 08	71 00	184	180	17.2	13746	13142	-61.9	-60.9	159.5	Drop	12	
220902	22 40	71 00	179	85	11	13739	13136	-63.4	-61.2	159.6	Drop	13	
222850	20 17	71 10	~	131	0.6	13724	13134	-62.5	-63.4	159.6	Drop	14	
225051	20 48	73 57	~	240	5	14294	13720	-66	-68	144.9	Drop	15	
230859	23 00	74 00	0	210	1.6	14320	13729	-65	-68	144.3	Drop	16	
232459	25 00	74 00	~	185	4.8	14318	13710	-66	-69	144.8	Drop	17	
234959	28 00	73 00	15	213	14	14322	13702	-68.7	-70.4	145	Drop	18	
001330	30 54	72 10	~	216	22	14312	13709	-66	-68	144.8	Drop	19	
003234	29 30	74 00	230	190	25.5	14311	13703	-67	-68.8	144.9	Drop	20	
005231	28 00	76 00	212	163	15	14314	13701	-66.5	-69.6	145	Drop	21	
011139	26 00	76 50	183	143	16	14314	13695	-67	-69.7	145	Drop	22	
013843	22 54	77 08	~	189	6	14332	13701	-66.9	-68.7	145	Drop	23	
021830	25 45	80 29	353	29	8	5065	983	23.5	16	905			
0232	25 48.4	80 17.5					5.8	30	21	1012.5	Block in		

N49RF Hurricane 99 / AVAPS DropSonde Log

N49RF Project: Goldstein, Smith, Hornbrook Flight ID: 990912N

Mission: Floyd Flight #: 12 System Status: ✓

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	990 415 105	1/5	1808	.4	121	JAS	LATE / Int WINI	B
2	990 415 103	✓	1809	Ø		JAS	O.E. - NO DATA COLLECTED	
3	990 415 104	2	1813	Ø	35	JAS		✓
4	984 325 212	3/6	1825	Ø	18	JAS		✓
5	990 435 459	1/7	1843	Ø	17	JAS		✓
6	990 845 011	2/8	1859	0.6	18	JAS		✓
7	985 145 006	✓5	1915	0	29	JAS		✓
8	984 325 312	2	1931	0	24	JAS		✓
9	983 310 080	1	1948	0.5	15	JAS		✓
10	990 415 069	1	2009	0.6	9	JAS		✓
11	983 310 037	1	2036	0.4	41	ASG		✓
12	990 415 076	1	2100	0.7	9	ASG		✓
13	990 845 007	1	2125	0.7	18	ASG		✓
14	990 845 008	1	2149	0.6	15	ASG		✓
15	990 845 148	1	2209	0.7	22	ASG		✓
16	990 415 101	2	2228	0.5	25	ASG		✓
17	990 845 149	1	2250	0.5	23	ASG		✓
18	990 845 191	2	2309	0.4	13	ASG		✓
19	990 415 102	1	2324	.5	19	ch		✓
20	990 845 155	1	2349	.5	41	ch		✓
21	990 845 143	1	0013	.5	25	ch		✓
22	990 415 578	2	0032	.5	52	ch		✓
23	990 845 137	1	0052	.4	34	ch		✓
24	985 145 017	2	0111	.4	27	ch		✓
25	990 415 204	1	0138	.6	51	ch		✓
26								
27								
28								
29								
30								
31								
32								
33								

ALL 984325XXX SONDES REQUIRE CHUTE CHECK
AVAPS-4 V2.5 Installed today - PI collected

NOAA/AOC/SED N49RF Flight Performance log

N49RF-Project: Hurr 99 Project No. 430 Flight No. 13 Flight ID: 990912 N
 SED Crew: Hornbrook, Goldstein, Smith Mission: Floyd
 Pre-Flight: 1644 Z Take-Off: 1732.35 Z Landing: 0223 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1		<i>chk</i>			
	IRS #2		<i>chk</i>			
	IRS #3		<i>chk</i>			
	GPS Honeywell #1		<i>chk</i>			
	GPS Honeywell #2		<i>chk</i>			
	GPS Collins		<i>chk</i>		Off? ☐	
Nose Radar -Collins					Off? ☐	
T E M P	Time	Temp °C			Time	Temp °C
	Temp #1	1645	40.1		0225	31.7
	Temp #2		41.1			32.5
	Temp #3		36.0			30.6
	Temp #4		46.5			33.5
	DP Left		23.4	Cal. Time:		22.8
P	DP Right		26.0	Cal. Time:		22.9
P R E S S	Attack Angle (ADCAOA)		<i>chk</i>			
	Slip Angle (BPx/DxPx)		<i>chk</i>			
	Differential (PQ1/PQ2)		<i>chk</i>			
	Absolute (PS1/PS2)		<i>chk</i>			
	Check Radome Press. Lines ☒		Date: <u>9/8/99</u>			
S Y S T E M S	DOWN PRT-5 ⇒ Open? ☐		Not USED		Closed? ☐	
	MADS (WINDS/DISCWIN)				# DATs: <u>2</u>	
	MADS Printer ⇒ Paper? ☒				Printer Power off? ☐	
	MADS Cal. Date: <u>8/26/99</u>		QC time: <u>1649</u>		QC time: <u>0227</u>	
	WINDS ⇒ NET BCAST ☒					
	HAPS System / Time set? ☒				# Msg: <u>24</u> # Fail: <u>4</u>	
	AVAPS System					
	K2 Printer ⇒ Paper? ☒				Printer Power off? ☐	
	Exterior Walk Around ☒		<i>✓ JAS</i>			
M I S C	Inspect DropSonde Chute Bolts		<i>✓ JAS</i>			
	Satcom (Flight Phone) ☒				Off CB? ☐	
	Call COMSAT? ☐ (*292#)					
	FCU/UPS/CB		CB's Checked? ☒		UPS off? ☐	
	AVAPS Sondes		# On Board: <u>152</u>	# Dropped: <u>25</u>	# Good: <u>1</u>	
	AXBT		# On Board: <u>NM</u>	# Dropped: <u>—</u>	# Good: <u>—</u>	
	APN-232 Altimeter					
	Modem Power On? ☒					

1	DAT Tape #1	On: <u>1717:09</u>	Type: <u>—</u>	Off: <u>2041</u>
2	DAT Tape #2	On: <u>2047</u>	Type: <u>—</u>	Off: <u>0232</u>
Comments: - Rainer REBOOT ITSELF 2041 - HAPS LOCKED LOCKED UP - IS THERE A MEANS TO REMOTE LOG-ON TO HAPS?				

FLIGHT TRACKS FLOYD/SYNOPTIC

YCAL 28

112

212

990912np.tlk

00Z Fcst Pos. T

RAWINSONDES 9908

- Regular
- 12Z only
- 00Z only
- Infrequent
- Infrequent - 00Z
- Infrequent - 12Z

2130Z

2323

6808

935mb

140 kts

140 kts

2321

2082

2082

2082

2082

2082

2082

2082

2082

2082

2082

2082

2082

2082

2082

2082

2082

DROPP LOCATIONS

0 540 1603K FT

120 SW

18/12

03Z

1756Z

2319

6727

944 KTS

119 KTS

1946Z

2321

6753

940

139 at 400m

121 NW

274/12

03Z

PREPARED BY AOML/HFD