

U.S. DEPT. COMM./NOAA/ORA - DATA SECTION WORK FORM NO.2 DROWF2 FILE

FLT ID: *N970714* TIME OFF: *1458Z* / *1803Z* TIME ON: *1534Z*

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<i>1016.4</i> / <i>1016.1</i>	<i>30.02</i> / <i>30.</i>	<i>/</i>	

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

2

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

~~DATA~~*GPS**44*

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

NOAA/AOC/SED Flight Performance log - N49RF

N49RF Project: Hurricane 97 Project No 410 Flight No. 1 Flight ID: 970714N

SED Crew: JCFB, ASS, JAS Mission: T-3 Claudette

Pre-Flight: 143000 Z Take-Off: 145730/1806 Z Landing: 153411/0319 Z

SYSTEM			Pre-Flight	In-Flight	Post-Flight		
N A V	IRS #1		✓ JC				
	IRS #2		✓ JC				
	IRS #3		✓ JC				
	GPS Honeywell #1		✓ JC				
	GPS Honeywell #2		✓ JC	(1)			
	GPS Collins	FM 1	✓ JC				
Nose Radar Collins			✓ JC		Off? ☒		
	Time	Temp °C					
T	Temp #1	144350	30.3	✓ JC		Time	Temp °C
E	Temp #2		33.8	✓			
M	Temp #3		30.5	✓			
P	Temp #4		36.5	✓			
	DP Left		NI	✓	Cal. Time:		
	DP Right	✓	23.2	✓	Cal. Time: 1905Z (2)		
P	Attack Angle (ADCAOA)		✓ JC				
R	Slip Angle (BP/DBP)		✓ JC				
E	Differential (PQ1/PQ2)		✓ NO JC				
S	Absolute (PS1/PS2)		1017.3/1016.1				
S	Check Radome Press. Lines		N/A				
S	DOWN PRT-5 ⇌ Open? ☒		✓ AS			Closed? ☒	
Y	MADS (WINDS/DISCWIN)		✓ AS	(4) (8) (9)		# DATs: 1	
S	MADS Printer ⇌ Paper? ☒		✓ JC				
T	MADS Cal. Date: 7/10/97		QC time:			QC time: 0322	
E	WINDS ⇌ NET BCAST ☒		✓ JC				
M	HAPS System		✓ JC	(6) (7)		# Msg.: 24 # Attempts: X	
S	AVAPS System / Time set? ☒		✓ AG				
	AVAPS Printer ⇌ Paper? ☒		✓ AS				
	Exterior Walk Around		✓ JC				
	Inspect DropSonde Chute Bolts		✓ AS				
	Satcom (Flight Phone)		✓ JC	(5)		Off CB? ☒	
M	FCU/UPS/CB		CB's Checked? ☐			UPS off? ☒	
I	AVAPS Sondes		#On Board: 95	#Dropped: 44		#Good: X	
S	AXBT		#On Board: 0	#Dropped: —		#Good: —	
C	APN-232		✓ JC				
	Modem Power On? ☒		✓ JC	(3)			

1	DAT Tape #1		On: 1450	Off: 0325
2	DAT Tape #2		On: _____	Off: _____
Comments: PSIC 1mB high on ground 				

Please Note Any Discrepancies[illegible]

N49RF Hurricane 97 AVAPS DropSonde Log

N49RF Project: Hurricane 97

Flight ID: 970714N

Mission/Flight: NOAA 9 0403A CLAUETTE

System Status:

Drop #	Sonde Serial Number	Time (Z)	Chn #	Press. offset	Winds time	Operator	Comments Drop Status
1	965040155	1833	1	-0.8	99 sec	ASG	Good Drop, LATE WINDS
2	621531104	1856	2	0.0	37	ASG	EXCESSIVE TELEMETRY SIG PROBLEMS
3	970440026	1928	1	-1.2	-	ASG	NO WIND
4	964910002	1931	2	-0.6	65	ASG	BAD T, H, INT WINDS, INT TELEM
5	965120194	1945	3	-0.9	-	ASG	NO WINDS
6	970150254	1950	1	-0.5	90	ASG	NO MADS INITIAL DATA
7	970150276	2004	3	-0.7	29	ASG	NO WINDS AFTER ~ 2 min
8	970150258	2012	1	-0	-	ASG	"
9	623131506	2027	3	-0.8	50	ASG	NO MADS INIT DATA
10	970440044	2045	1	-0.5	81	ASG	"
11	965040287	2101	3	-1.0	29	ASG	"
12	965120240	2122	1	-0.6	57	ASG	WINDS DIED
13	970150303	2128	4	-1.0	-	JAS	NO WINDS
14	965040202	2141	3	-0.6	-	JAS	NO WINDS
15	965040165	2145	1	-0.5	80	JAS	OK
16	965040203	2157	4	0	-	JAS	NO WINDS
17	965120032	2211	3	0	60	JAS	BAD WINDS then NO WINDS
18	965120184	2213	1	0.4	48	JAS	WIND INDEFINITE
19	965040234	2217	4	-0.6	85	JAS	GOOD
20	965120034	2233	3	0.4	100	JAS	GOOD
21	965040208	2251	1	-0.4	45	JCPB	WINDS poor then none
22	96	2254	4	-0.8	-	JCPB	NO WINDS
23	965040235	2300	3	-0.8	-	JCPB	NO WINDS
24	965040238	2303	2	-0.5	-	JCPB	OK - INT WINDS
25	965120185	2318	1	-0.7	35	ASG	OK
26	965040237	2332	3	-0.6	-	ASG	NO WINDS
27	965120250	2346	4	2.5	?	ASG	INT & LATE WINDS
28	965040200	2349	1	-0.8	-	ASG	NO WIND - END EARLY
29	970440046	0004	1	-1.1	-	ASG	NO WIND
30	965120035		3	-0.4	-	ASG	Terminated - NO WIND
31	970150283	0016	1	-0.8	-	ASG	NO WIND
32	970440049	0018	3	-0.9	150	ASG	LATE WINDS
33	965120036	0030	4	-0.7	-	ASG	NO WINDS

RMWS DATA

New mws

11/20/96

N49RF AVAPS DropSonde Log / Page 2

Drop #	Sonde Serial Number	Time (Z)	Chn #	Press. offset	Winds time	Operator	Comments Drop Status
34	970150256	0033	1	-0.5	79	ASG	INTERMITTENT WINDS
35	970150259	0049	3	-0.7	~50	ASG	No PRES
36	970440036	0105	4	-0.8	~40	ASG	No PRES
37	970150295	0124	1	-1.0	20	JAS	GOOD
38	970150249	0140	3	-2.3	44	JAS	Winds Stopped at 120 sec
39	965040253	0143	4	-1.1	60~	JAS	GOOD
40	970440042	0156	1	-0.5	34	JAS	Winds Stopped early -
41	970150235	0208	4	-0.0	35~	JAS	GOOD
42	970440038	0226	7	-0.0	-	JAS	Press failed on launch - no winds
43	965120235	0228	3	-1.1	-	JAS	Some
44	970150253	0241	4	-0.4	-	JAS	No launch detect - no winds

✈05/23/97

✈ AVAPS PRE-FLIGHT CHECK:

- (1) Apply power to computer, VAPS fan and VAPS chassis
- (2) Verify no **ER** status lights on the four MWG cards
- (3) Set the computer time to GPS time
- (4) Start AVAPS and run the hardware checks via the **Utility** function
- (5) Start **Soundings** and set the **Project Name** and **Flight ID** (6) Perform a prelaunch check using all four channels simultaneously reading one sonde, look for reasonable data and no CRC error status lights, winds data is not expected. All AVAPS chassis status lights should be green.

NORMAL LAUNCH NOTES:

- ☐ When selecting a sonde frequency, select a frequency other than the default (if there is a default), and away from other sondes in use.
- ☐ Do not pull the Power Enable Pin during pre-launch setup until after the Umbilical is attached.
- ☐ If pre-launch is complete, and more than 5 minutes remain prior to launch, replace the Power Enable pin until 5 minutes prior to launch.
- ☐ Don't put the sonde in the launch tube until you have removed the ribbon retaining tape.
- ☐ Don't put the sonde in the tube until you have selected **Begin Data Collection**, and verified good data (good winds data is not expected).

The Power Enable Pin must be removed for at least two minutes prior to launch to allow for the Sonde GPS Oscillator to warm up