

U.S. DEPT. COMM./NOAA/OAD - DATA SECTION WORK FORM NO.2 OROWF2 F11

FLT ID: 970905 u TIME OFF: 1727 TIME ON: 0236

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE		1012.5		1013.5

NO		DATA DISPOSITION/DATE/QUALITY
1/SEC FLT LVL TAPES	0	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
DDW CASSETTES		
HARD COPIES		
AXBT		
AXCP		
DDW GPS		29 dropped, 28 x transmitted 7a/7b

PHOTOGRAPHY					
	FWD	LS	RS	VERT	
ON	N	N	N	N	
OFF	N	N	N	N	
RATE					

REMARKS

970905u

Time	CAT	CON	HDB	TAS	TR	BS	WD	WS	AT	DP	AS	OC	PA
1713	1741.9	6447.9	ENG										
1720			TAXI										
1727			TOFF										
1735			WINDS		DP	L/R							
1758			wess w/	DP									
180000	2071.6	6327.9	358	227	360	227	072	0.5	-54.9	-49.6	192.4	92.2	12006
			Drop #1	Good									
181410	2200	6315	89	236	89	222	128	9.5	-57.3	-55.4	175.4	88.5	12569
			Drop #2										
184030	216.8	5959.9	358	230	359	242	125.2	16.8	-58.4	-55.5	172.2	88.6	12579
			Drop #3										
185300	2356.4	6000	356	231	360	237	225	14.6	-58.4	-55.7	175.7	89.4	12561
			Drop #4										
191000	2603	6000	360	224	360	219	051	7.5	-61.8	-57.6	171.7	84.3	12561
			Drop #5										
193030	2825	5942.7	349	225	370	244	321	4.6	-61.5	-58.3	175.9	82.9	12573
			Drop #6										
194500	3001	6020	271	231	223	225	265	5.5	-60.7	-58.1	176.0	90.1	12545
			Drop #7	burnt									
194531	3001	6025	271	231	223	224	265	2.3	-60.4	-58.1	176.1	90.6	12542
			Drop #7b	not burnt									
200000	3006	6026	268	228	222	226	190	12.4	-60.6	-61.9	176.0	87.9	
			Drop #8										
201800	3009	6034	263	228	221	218	201	24.7	-60.7	-62.5	176.1	88.1	12548
			Drop #9										
203700	3009	6222	261	228	269	207	219	31.2	-66.2	-64.6	159.5	82.1	13139
			Drop #10										
205700	3006	6004	260	224	267	203	220	29.3	-65.3	-64.2	159.5	78.6	13140
			Drop #11										
212200	2949	6059	194	227	171	200	227	34.1	-64.3	-63.8	159.6	81.8	13136
			Drop #12										
214200	2235	6000	180	226	179	212	220	17.2	-66.0	-63.9	159.5	80.2	13138
			Drop #13										
220100	2218	6032	089	225	089	230	220	8.6	-60.5	-64.9	159.2	79.2	13133
			Drop #16										
221700	2219	6225	090	226	90	224	162	6.5	-65.3	-64.9	159.6	80.4	13135
			Drop #17										
223300	2718	6612	091	227	090	219	133	10.6	-65.2	-64.8	159.6	80.5	13134
			Drop #18										
225200	2658	6352	172	227	180	211	162	12	-67.2	-66.1	144.2	74.0	13713
			Drop #19										
231500	2430	6415	266	224	221	212	206	14.8	-67.1	-65.2	144.5	71.4	13718
			Drop #20										
2337	2416	6300	172	225	179	224	264	6.0	-68.5	-65.3	144.2	72.2	13712
			Drop #21										
235000	2542	6655	179	227	180	230	306	6.5	-67	-65	145	73.9	13700
			Drop #22										
000520	2100	6714	220	226	221	212	222	9.4	-66.8	-64.6	145.2	73.2	13692
			Drop #23										
001900	2100	6857	220	226	220	213	284	13.2	-67.9	-65.6	145	73.5	13699
			Drop #24										
003800	2117	7100	356	226	360	212	302	13.1	-68.2	-65.7	145	73.7	13622
			Drop #25										
005000	2142	7059	355	224	360	212	297	14.6	-67.1	-66.1	144.9	73.0	
			Drop #26										

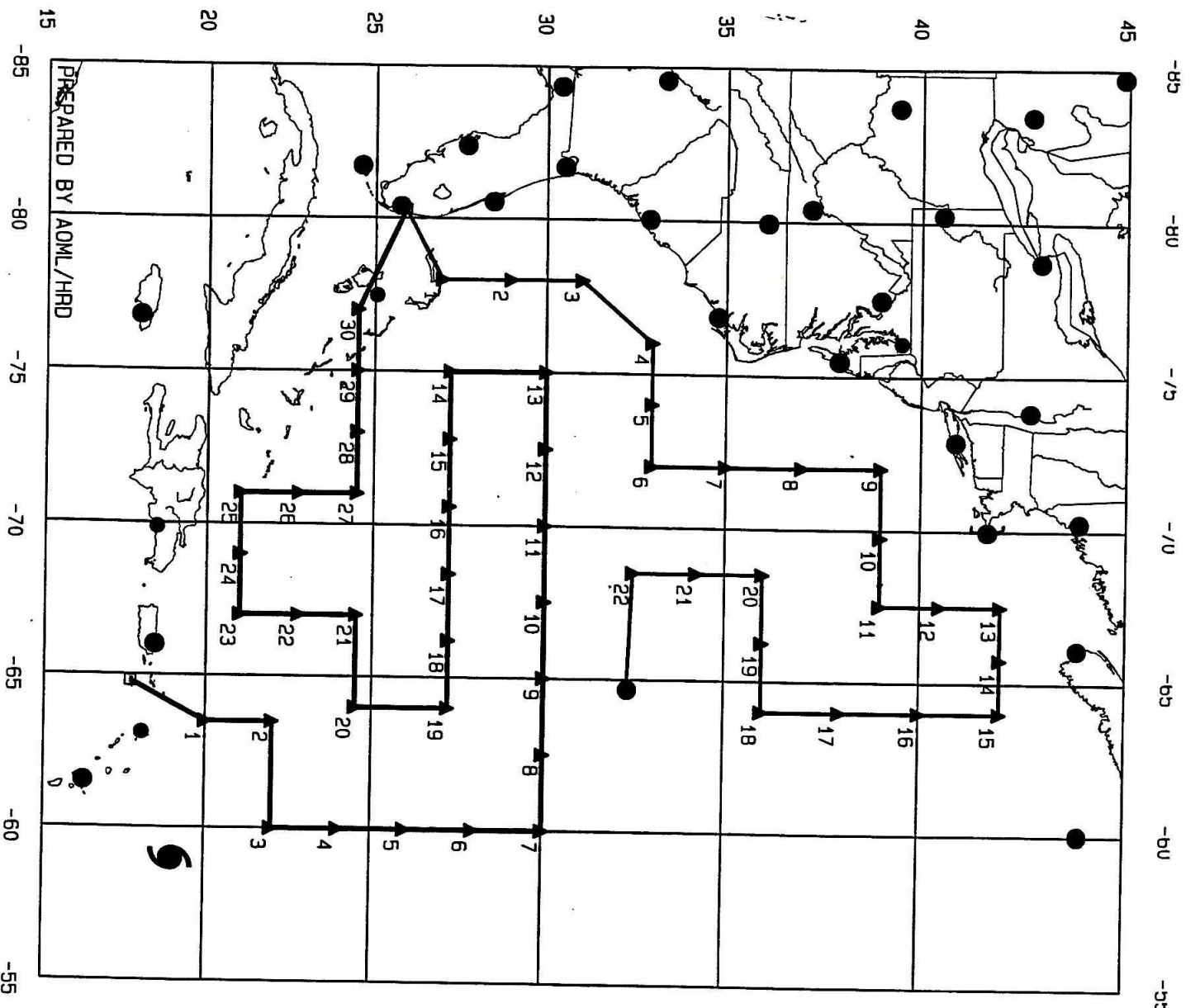
1706	16 52	58 16	989	75k
1800	18 30	62 30		75
1800	20	60		
8/18	21	62		

left of models/guidance

915 2111 James F → Hugh W

NY B₃F470 E → 15k intensity

ETA KOPE 06/023 0
 LAST RPT, ~~FORWARD~~ 01 THRU 28
 TRANSMITTED



FLIGHT TRACKS

— 970905np.ftk
 — 970905ip.ftk

RAWINSONDES 9707

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

▲ DROP LOCATIONS

PREPARED BY AOML/HRD

NOAA49 DPT TISX^{AT} 05/17272

ETA 20N 6330W^{AT} ~~05/17502~~
18052

19022 9/5

John H → SATCOM Operator

2029 Naomi S

"beautiful" great flight
into the models
late start "team effort"
Analysis, 00Z vs 12 fest
strong shear ridge
~ 70W

drop off

N49RF Hurricane 97 AVAPS DropSonde Log

N49RF Project: Hurricane 97 (410)

Flight ID: 971105N

Mission: Cal Flight

Flight #: _____

System Status: _____

Drop #	Sonde Serial Number	Time (Z)	Chn #	Press. offset	inds time	Operator Init.	Comments Drop Status	GOOD <input checked="" type="checkbox"/>
1	973250103	1810	1	0.5	110sec	S.W.	sonde clean from bag	<input checked="" type="checkbox"/>
2	964910184	1820	2	0	63	JS	Paper/Burned/LABV/Osc ✓ H2O ✓	<input checked="" type="checkbox"/>
3	973250073	1820	3	0	94	JAS	New/BURNED/LABV/Osc ✓ FAST FALL	<input checked="" type="checkbox"/>
4	970150188	1826	4	-2	-	JAS	Plots / " / " / Osc ✓ NO WINDS	<input checked="" type="checkbox"/>
5	973250017	1826	1	0	74	JAS	New - clean	<input checked="" type="checkbox"/>
6								
7								
8								
9								
10								
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33								

NOAA/AOC/SED Flight Performance log - N49RF

N49RF Project: Hurricane 97 Project No 410 Flight No. 7 Flight ID: 970905N

SED Crew: JCPB, Hill, Gddstein, White Mission: Hurricane Erika Flight #2

Pre-Flight: 1600 Z Take-Off: 1727 Z Landing: Z

SYSTEM		Pre-Flight		In-Flight		Post-Flight	
N A V	IRS #1		✓ JCPB				
	IRS #2		✓ JCPB				
	IRS #3		✓ JCPB				
	GPS Honeywell #1		✓ JCPB				
	GPS Honeywell #2		✓ JCPB				
	GPS Collins	FM1	✓ JCPB				
	Nose Radar Collins		✓ JCPB				Off? <input checked="" type="checkbox"/>
		Time	Temp °C			Time	Temp °C
T	Temp #1	1659	31.2	✓ JCPB		0237	25.7
E	Temp #2	↓	31.2	✓ JCPB		↓	26.1
M	Temp #3	↓	31.3	✓ JCPB		↓	25.8
P	Temp #4	↓	30.5	✓ JCPB		↓	25.5
	DP Left	↓	23.4	✓ JCPB	Cal. Time: 1758	↓	14.4
	DP Right	↓	23.6	✓ JCPB	Cal. Time: 1740	↓	23.168
P	Attack Angle (ADCAOA)		4.3	✓ JCPB			
R	Slip Angle (BP/DBP)		0.0	✓ JCPB			
E	Differential (PQ1/PQ2)		-0.7, -0.3	✓ JCPB			
S	Absolute (PS1/PS2)		1012.0, 1012.2	✓			
S	Check Radome Press. Lines		✓ JCPB				
S	DOWN PRT-5 ⇌ Open? <input checked="" type="checkbox"/>		✓ JCPB			Closed? <input checked="" type="checkbox"/>	
Y	MADS (WINDS/DISCWIN)		✓ JCPB			# DATs: 1	
S	MADS Printer ⇌ Paper? <input checked="" type="checkbox"/>		✓ JWH				
T	MADS Cal. Date: 970904		QC time: 1706			QC time: 0238	
E	WINDS ⇌ NET BCAST <input checked="" type="checkbox"/>		✓ JCPB				
M	HAPS System		✓ JCPB			# Msg.: 28 # Attempts: 30	
S	AVAPS System / Time set? <input checked="" type="checkbox"/>		✓ ASIG				
	AVAPS Printer ⇌ Paper? <input checked="" type="checkbox"/>		✓ JWH				
	Exterior Walk Around		✓ JCPB				
	Inspect DropSonde Chute Bolts		✓ JCPB				
	Satcom (Flight Phone)		✓ JCPB			Off CB? <input checked="" type="checkbox"/>	
M	FCU/UPS/CB		CB's Checked? <input checked="" type="checkbox"/> JCPB			UPS off? <input checked="" type="checkbox"/>	
I	AVAPS Sondes		#On Board: 94		#Dropped: 29	#Good: 29	
S	AXBT		#On Board: 0		#Dropped:	#Good:	
C	APN-232		✓ JCPB				
	Modem Power On? <input checked="" type="checkbox"/>		✓ JWH				

1	DAT Tape #1		On: 170540	Off: 0238
2	DAT Tape #2		On:	Off:

Comments:

N49RF Hurricane 97 AVAPS DropSonde Log

N49RF Project: Hurricane 97

Flight ID: 970905N

Mission/Flight: ERIKA #2 (Flight #7)

System Status: OK

Drop #	Sonde Serial Number	Time (Z)	Chn #	Press. offset	Winds time	Operator Init.	Comments Drop Status	GOOD <input checked="" type="checkbox"/>
1	385400106	1800	1	+0.2	36	ash	RH BIAS - SLOW FALL 2005	✓
2	385400269	1814	2	-0.3	30	ash	RH BIAS	✓
3	385400181	1840	1	+1.1	24	ash	BAD GPS LOCK INIT?	✓
4	385400002	1853	2	-0.1	63	ash	RH BIAS	✓
5	385400161	1910	1	+0.3	23	ash	POOR WINDS ABOVE 700mb	✓
6	964910155	1930	2	+0.3	36	ash	RH BIAS?	✓
7	638130503	1945	1	+0.3	20	ash		✓
8	964910089	1945	4	0.0	104	ash	Late winds UNBURNED RH (DROP 7B)	✓
9	965040423	2000	2	-2.0	27	ash		✓
10	625331503	2018	1	-0.2	24	ash		✓
11	638232402	2037	2	-1.4	45	ash	RH BIAS	✓
12	385400003	2057	1	-0.3	20	ash	RH BIAS	✓
13	385400103	2122	1	-0.3	30	ash	RH BIAS	✓
14	385400226	2142	1	+0.2	18	ash	RH BIAS	✓
15	965120182	2201	1	-0.5	22	ash	RH BIAS	✓
16	385400180	2217	2	1.6	50	JWH	RH BIAS	✓
17	638132102	2233	1	-0.5	38	JWH	RH BIAS	✓
18	385400177	2252	2	-0.8	12	JWH	RH BIAS	✓
19	385400162	23:15	1	-0.8	30	JWH	RH BIAS	✓
20	385400221	23:37	2	-0.1	87	JCPB		✓
21	385400021	23:50	1	-0.9	41	JCPB	RH BIAS	✓
22	385400210	0005	2	-0.2	21	JCPB	RH BIAS	✓
23	632333406	0019	1	-0.3	34	JCPB	RH BIAS	✓
24	964910077	0038	2	-0.31	25	JCPB	RH BIAS	✓
25	385400028	0050	1	+0.2	45	JWH	RH BIAS Winds dropped out 340mb - 450mb	✓
26	965040504	01:07	2	+0.7	90	JWH		✓
27	964910111	01:20	1	-0.2	90	JWH	RH BIAS	✓
28	964-910-072	01:35	2	+0.3	33	JWH	RH BIAS	✓
29	385400231	01:52	1	0.4	27	JWH	RH BIAS	✓