

FLT ID: 9708031	FM: MMR	TO: MMR
FLT NO: 97-027	BLK IN: 0243Z	ATA: 0239Z
ETD: 1700Z	BLK OUT: 1850Z	RTD: 1659Z
ETE:	BLK TIME: 9:53	FLT TIME: 9:40
SPONSOR ORG: HRD	PROGRAM: HURRICANE RESEARCH	PURPOSE: UMBZ H. GUILLEMO

DAO PERSONNEL

AC PHILIPPSBORN ✓	SYS ENG
CP O'MARA ✓	DATA SYS LYNCH ✓
NAV KOZAR ✓	RADAR GONZALEZ ✓
FE WADE/MOORE ✓	BT/ODW PRADAS-BERGUES ✓
RADIO SANS SOUJ ✓	CLD PHYS
FD DAMIANO ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
FRANKLIN ✓	PI	HRD
MARKS ✓	ASST PI	}
WILLOUGHBY ✓	HAPS	
DODGE ✓	RADAR	
GOLDENBERG ✓	HAPS	
REINHERZ ✓	OBS (MEDIA)	
MCFADDEN ✓	??	AOC
CLOSSER	MECH	AOC

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

1913Z SONDE
 1348 933mb
 11141
 1351 1948Z
 11147 933sonde
 1351 11204
 2124Z
 1355
 11210
 2209Z
 1352
 2351Z 11232
 932 SONDE MB
 1354 11224 923mb
 1353 11238
 0026Z
 931mb
 SONDE
 212732 LGTNG
 234658
 234735
 001925
 6 EYE PENETRATIONS

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2 FILE

FLT ID: *I970803*TIME OFF: *1659Z*TIME ON: *0239Z*

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	<i>1011.3</i>	<i>29.95</i>	<i>1010.5</i>	<i>29.88</i>

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

1

FAST FLT LVL TAPES

RADAR TAPES

3

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

*PMS**2*

AXBT

AXCP

~~GPS~~ *GPS**40*

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

RENAV INE 1

I 970803

TIME GAP

014518-014530

014604-014610

RA109 fix

1905-1907

0239-0242

TTT fix

1915-1919

2207-2211

2346-2350

DWI fix

2126-2130

2231-2235

174200, -0.5, .4

184200, -0.9, 0.

194200, -1.6, -.1

204200, -2.1, .7

211200, -2.3, -.1

214200, -2.4, .5

221200, -2.3, .7

224200, -2.6, -.4

231200, -2.9, .7

234200, -2.6, .6

001200, -3., 0.

004200, -2.7, 1.2

014200, -2, .2

024200, .1, .6

I970803

TIME	LAT	LONG	TRK	HD	WD	WS	TA	TD	PA	GA	SP	PS		
170500	2028	10535	234	235	58	12	17.1	11.8	2031	1694	—	785.2	HAZE	66.8
172800	1932	10702	236	235	98	11	-4.5	-19.2	5581	5723	—	499.7	CLD ABV	68.6
175300	1824	10846	236	235	101	18	-4.1	-10.6	5630	5765	—	496.4	CLD ABV	92.6
181400	1724	11014	232	229	106	27	-2.6	-9.1	5625	5955	—	496.5	CLD ABV	67.8
182900	1640	11116	254	253	77	44	-2.6	-5.9	5622	5934	—	496.8	RW-	64.8
183905	1630	11139	85	179	90	37	-2.4	-5.4	5622	5930	—	496.9	DROP	67.5
184513	1600	11140	180	172	91	44	-3.3	-4.4	5622	5919	—	496.9	DROP	67.4
185138	1530	11140	180	171	84	52	-2.8	-4.6	5622	5903	—	496.8	DROP	—
185645	1505	11141	180	171	83	59	-1.7	-4.6	5623	5883	—	496.8	DROP	—
190154	1440	11141	180	167	83	74	-1.5	-4.8	5618	5835	—	496.9	DROP	73.4
191317	1348	11141	180		120	74						501.4	EYEDROP	
192554	1301	11132	41	37	251	50	-1.6	-4.4	5610	5832	—	497.6	DROP	62.4
193000	1318	11118	40	43	215	63	-2.0	-2.5	5612	5816	—	497.6	ICE-	70.2
193752	1352	11058	271	260	171	65	-1.6	-0.9	5203	5376	—	525.8	now DROP	72.3
194822	1351	11148	270	272	160	9	11.7	-6.5	5217	4963	—	524.4	EYEDROP	60.2
195921	1353	11236	310	323	7	59	-2.5	-1.2	5494	5704	—	504.9	DROP	—
200459	1407	11253	312	325	32	57	-1.5	-3.4	5346	5808	—	504.3	DROP	62.3
201055	1425	11315	311	321	49	50	-3.0	-1.5	5610	5877	—	497.5	now DROP	76.6
201803	1446	11342	311	321	53	47	-3.0	-3.6	5610	5893	—	497.5	DROP	71.4
202658	1503	11412	181	176	46	43	-2.2	-4.8	5610	5904	—	497.5	DROP	77.3
204100	1341	11412	180	179	33	29	-3.3	-4.6	5612	5897	—	497.5	CLD	76.2
205352	1239	11407	464	58	345	27	-3.0	-4.5	5611	5893	—	497.6	DROP	69.5
210126	1255	11336	58	53	354	35	-2.1	-4.0	5609	5877	—	497.6	DROP	70.7
210927	1313	11305	253	52	343	44	-2.1	-4.5	5612	5851	—	497.5	DROP	75.0
211452	1326	11242	60	51	328	54	-2.6	-0.5	5611	5809	—	497.8	DROP	69.9
212400	1351	11204			EYE									
213921	1431	11117	280	275	139	54	-1.2	2.1	5192	5390	—	526.6	DROP	70.7
215313	1435	11233	151	137	75	78	-0.2	-1.3	5189	5356	—	526.6	DROP	76.8
220416	1355	11210	149	150	161	27	11.3	-0.3	5193	4927	—	526.3	EYE DROP	78.7
221200	1328	11154	151	167	221	78	-0.3	-0.5	5213	5331	—	525.0	ICE	71.3
222000	1259	11138	196	201	220	50	-0.7	-0.1	5215	5360	—	524.8	DROP	73.7
222554	1237	11144	197	203	225	35	-2.1	-3.3	5617	5860	—	497.8	DROP	73.1
223200	1213	11154	192	201	266	35	-2.9	-1.9	5617	5877	—	497.8	DROP	73.2
223907	1141	11202	193	199	251	27	-3.0	-5.9	5613	5877	—	497.8	DROP	73.1
224703	1109	11204	38	58	261	29	-3.4	-5.5	5614	5890	—	497.3	DROP	72.4
231528	1230	11064	301	295	199	32	-3.7	-4.1	5614	5889	—	497.2	DROP	—
231926	1239	11021	300	294	200	33	-3.3	-5.0	5616	5887	—	497.2	DROP	71.5
232626	1256	11050	300	291										
233206	1311	11113	293	285	200	46	—							
233903	1320	11136	293	284	200	53	-1.4							
235057	1352	11233	299	300	84	5			17K					
000050	1407	11311	181	176					17K					
001252	1310	11253	28	18	285	55	-0.4	-0.4	5203	5357	—	525.6	DROP	—
002553	1354	11238												
003830	1442	11207	75	88	133	64	0	-0.5	5222	5419	—	524.2	EYE DROP	—
004440	1449	11143	75	85	139	48	-3.3	-4.2	CLIM/3206		—	493.0	DROP	—
005107	1456	11116	74	83	140	45	-7.2	-8.4	6429	6765	—	444.8	DROP	—
005856	1506	11040	74	81	132	33	-7.3	-10.0	6428	6775	—	444.7	DROP	—
010621	1576	11007	40	48	147	34	-8.1	-9.2	6428	6787	—	444.7	DROP	—
014900	1758	10746	39	42	81	15	-10.0	-16.8	6430	6812	—	444.6	CLD BLW	78.5

DATE : 8/3/97

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft NY301F ON 0243Z BLOCKTIME

SUBJECT: Hazardous Duty

OFF 1650Z 9:53

PURPOSE OF FLIGHT: RESEARCH INTO H. GUILLERMO (EPAL)

Hazardous Duty Pay is required for flight made on 8/3/97
(DATE)

Request based on MULTIPLE PENETRATIONS INTO
H. GUILLERMO

Personnel on board authorized Hazard Pay:

WADE

MOORE

DAMIANO

LYNCH

SANS SOULI

PRADAS-BERGUES

GONZALEZ

MCFADDEN

CLOSSER

PILOT/FLIGHT DIRECTOR: A. Barry Damiano

APPROVED: _____

DISAPPROVED: _____

CHIEF, AOC FLIGHT OPERATIONS: _____

N43RF DROP STATION LOG

Project : Hurricane '97

 Mission : VME # 2

 Flight ID : 970803I

Take Off : _____

Landing : _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Sonde OK	Comments
1	385400063	1	0.4	183905	JCPB	✓	B/NC
2	971520039	2	1.9	184513	JCPB	✓	B/NC
3	964910056	1	0.7	185738	JCPB	✓	B/NC
4	625432704	2	0.2	185645	JCPB	✓	"
5	964910096	1	-0.4	190154	JCPB	✓	NB/C
6	964910162	2	-0.1	191317	JCPB	✓	" E1
7	385400206	1	-0.3	192554	JCPB	✓	" PSTATIC
8	385400095	2	1.2	193752	JCPB	✓	" PSTATIC
9	632333006	1	-0.3	194822	JCPB	✓	" E2
10	964910048	2	-0.5	195921	JCPB	-	" NO LDetect (late)
11	964910107	1	0.7	200459	JCPB	✓	B/NC
12	961750010	2	1.0	201055	JCPB		LOST ALL @ 2500' NO WINDS, NO PS
13	965040267	1	0.8	201803	JCPB	✓	B/NC
14	964910171	2	0.3	202658	JCPB	✓	B/NC
15	970150138	1	-0.1	205352	JCPB		Bad signal, lost data
16	632231506	2	0.3	210126	JCPB		Bad signal
17	970440002	1	-2.3	210927	JCPB	✓	B/NC
18	970150271	2	-1.2	211452	JCPB	✓	B/NC
19	964910052	1	-0.9	213921	JCPB	✓	NB/C
20	630232301	2	-0.2	215313	JCPB	✓	"
21	385400035	1	-0.1	220416	JCPB	✓	"
22	964910053	2	-0.1	222000	JCPB	✓	"
23	970150019	1	-1.07	222554	JCPB	✓	B/NC
24	385400261	2	0.5	223200	JCPB	✓	"
25	964750197	1	0.1	223907	JCPB	✓	"
26	964910020	2	-0.4	224703	JCPB	✓	"
27	632332702	1	0.4	231528	JCPB	✓	"
28	385400240	2	0.5	231926	JCPB	✓	"
29	970150132	4	-0.3	232626	JCPB	✓	" PSTAT LOST ALL signal
30	971520017	1	1.3	233206	JCPB		" FAST FALL
31	632333305	2	1.5	233703	JCPB	✓	NB/C E5
32	638131506	1	-0.7	235057	JCPB	✓	"
33	632333302	2	-0.3	000050	JCPB	✓	" PSTAT
34	964910040	1	-0.7	001252	JCPB	✓	"
35	385400094	2	-0.7	002553	JCPB	✓	"

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Sonde OK	Comments
36	621430501	1	-0.3	003830	JCPB	✓	NB/C
37	964910134	2	0.7	004440	JCPB	✓	B/NC
38	971750014	1	1.1	005107	JCPB	✓	11
39	971520002	2	0.7	005856	JCPB	✓	11
40	632333301	1	-0.2	010621	JCPB	✓	11
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Drop Station Operator Notes

PAGE OF

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHFVOICE	VHFVOICE	MFVOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N/S _____

- HEADING _____ TRUE/MAG _____

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD _____

- NATURE OF EMERGENCY

- ASSISTANCE DESIRED
BILL OF INTENTIONS

- FILED INTENTIONS

- WE HAVE

ENDURANCE REMAINING

[illegible]

PAGE OF

(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

[illegible]

1628

TERMINAL ERRORS		INS 1	INS 2
DELTA LAT	4.1	-5.2	
DELTA LON	4.6	+3.7	
RGS	4	2	
RADIAL ERROR	0	6	

[illegible][illegible]