

FLT ID: 1970802	FM: MM PR	TO: MM PR
FLT NO: 97-026	BLK IN: 002022	ATA: 0156Z
ETD: 1700Z	BLK OUT: 1651Z	ATD: 1702Z
ETE:	BLK TIME: 9:11	FLT TIME: 8:54
SPONSOR ORG: HRD	PROGRAM: HURRICANE RESEARCH	PURPOSE: VME RESEARCH H. G. ULLERAD

DAO PERSONNEL

AC PHILIPPS BORN	SYS ENG
CP O'MARA	DATA SYS LYNCH
NAV KOZAK	RADAR GONZALEZ
FE WADE/MODRE	BT/ODW PRADIS-BERGUES
RADIO SANS SOUET	CLD PHYS
FD D'AMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
FRANKLIN		HRD
MARKS		
WILLOUGHBY		
DODGE		
GOLDENBERG		
REINHERZ	OBS (MEDIA)	NY TIMES TV

2001Z 20 minutes Store some place DELAYED AT IP UNTIL 42
 42 Fm 17.55 TT1 > TT2 Got to them. ~1827Z

13°16' 1854Z 107°12' 957mb 13°20' 1933Z 107°15' 1640Z	2114Z 13°24' 107°35' 2155Z 13°24' 107°37'	2332 1324 10753 1321 0002Z 10757	TT2 2244Z BAD 2357Z
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6 EYE PENETRATIONS

2119 1320 10734 952mb 2570 1324 947 10753 2225Z 1319 10743 949 from NY2RF 2257Z 1324 10748

U.S. DEPT. COMM./NOAA/ORA - DATA SECTION WORK FORM NO.2 OROWF2 FILE

FLT ID: I970802 TIME OFF: 1702Z TIME ON: 0156Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1011.2 1011.2	29.95	1009.5	29.88

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

~~CMS~~ PMS

3

AXBT

AXCP

~~AXBT~~ 65

39

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

I970802

24 20
4.5 4.5/min

TIME	LAT	LONG	TRK	HD	WD	WS	TH	TD	PA	GA	SP	PS		PQ
172300	1922	10559	206	203	74	23	2.8	-9.4	4815	5108	1008.4	520.6	CLD ABV	65.2
173900	1817	10634	206	203	78	27	-3.8	-6.6	5207	5843	—	504.6	HAZE	58.7
174500	1753	10647	206	203	72	29	-3.9	-6.2	5208	5837	—	504.6	CLD	54.3
175200	1724	10702	206	201	87	32	-3.7	-5.7	5204	5829	—	504.8	CLD	63.5
175410			ICE											
182603	1556	10717	183	178	75	35	-2.9	-6.7	5501	5804	—	505.1	DROP	71.8
183216	1526	1018	180	173	85	41	-3.2	-5.3	5200	5794	—	505.1	DROP	74.1
183836	1456	10718	179	173	68	39	-3.1	-3.6	5498	5780	—	505.2	DROP	65.8
184350	1431	101718	181	171	67	56	-2.5	-2.7	5501	5726	—	505.2	DROP	69.1
184851	1406	10718	182	170	78	60	-1.1	-4.2	5301	5734	—	505.2	DROP	68.6
185300	1346	10718	179	167	66	70	-0.2	-3.6	5497	5688	—	505.4	EYE WALL	60.1
191003	1226	10712	43	36	273	51	-3.2	-4.0	5496	5731	—	505.4	DROP	70.6
191600	1249	10649	44	44	228	66	-2.8	-3.1	5497	5705	—	505.3	CLD HAZE	73.8
192336	1320	10627	267	255	183	61	-2.6	-1.7	5498	5722	—	505.3	DROP	73.3
193402	1319	10716	270	272	88	20	5.6	-6.8	5373	5514	—	504.3	DROP HAZE	
194100	1318	10750	267	263	0	69	-2.7	-1.2	5517	5712	—	504.3	EW+	72.4
194357	1318	10803	311	320	359	56	-2.5	-2.2	5514	5746	—	504.2	DROP	66.3
195007	1333	10823	311	321	314	49	-2.0	-4.8	5511	5770	—	504.3	DROP	69.0
195549	1350	10843	310	319	41	45	-2.8	-3.4	5309	5787	—	504.3	NOV DROP	82.1
200358	1415	10913	311	318	31	30	-3.3	-4.6	5512	5801	—	504	DROP	75.5
201212	1432	10942	183	182	24	21	-3.3	-4.8	5510	5805	—	504.4	DROP	69.7
202400	1330	10945	179	181	1	36	-3.6	-5.3	5509	5801	—	504.4	ICE	70.6
203900	1211	10945	180	185	328	33	-5.5	-7.8	5788	6099	—	485.7	CLD	76.1
204220	1200	10938	55	49	331	34	-5.7	-7.4	5788	6094	—	485.7	DROP	76.1
204728	1217	10919	55	48	326	40	-5.2	-8.7	5788	6090	—	485.8	DROP	72.1
205438	1236	10851	58	53	329	32	-4.4	-7.6	5787	6078	—	485.8	DROP	76.2
205907	1248	10832	57	51	334	46	-4.4	-7.1	5787	6050	—	485.7	DROP	
210408	1300	10813	57	46	333	59	-4.4	-5.3	5787	6026	—	485.7	DROP	76.0
212700	1355	10646	54	66	146	54	-4.0	-4.8	5782	6037	—	486.2	CLD	70.5
212956	1405	10645	278	273	142	47	-3.5	-5.9	5781	6043	—	486.2	DROP	72.8
214100	1414	10749	277	282	78	52	-3.8	-4.2	5784	6037	—	486.0	CLD	78.1
214351	1410	10800	156	146	60	51	-3.8	-5.1	5782	6026	—	486.0	DROP	73.1
214800	1352	10751	154	140	64	79	-1.7	-3.7	5779	5955	—	486.4	CLD	63.7
215433	1323	10737	154	156	355	1							EYE DROP	Good
220200	1253	10722	154	169	246	67	-4.1	-3.1	5786	5994	—	485.4	CLD	71.0
220527	1238	10716	190	200	247	57	-4.6	-3.2	5				DROP	
221014	1217	10720	193	203	268	54	-4.4	-7.3	5797	6057	—	485	DROP	65.0
221558	1151	10725	190	198	283	36	-6.7	-8.4	6099	6399	—	465.5	DROP	70.6
222245	1120	10730	190	197	281	31	-6.5	-8.2	6097	6405	—	465.5	DROP	68.6
223149	1041	10730	57	53	287	36	-7.0	-8.6	6098	6414	—	465.5	NOV DROP	72.1
223752	1059	10703	58	57	255	31	-6.6	-8.0	6096	6409	—	465.6	DROP	72.8
224900	1131	10513	56	56	244	30	-7.0	-7.4	6097	6406	—	465.6	ICE	74.0
225947	1204	10529	304	298	223	31	-6.6	-8.7	6097	6412	—	465.5	DROP	75.8
230457	1217	10550	302	297	234	29	-6.5	-8.2	6096	6403	—	465.6	DROP	72.0
231052	1233	10616	303	296	222	32	-6.1	-7.9	6096	6398	—	465.6	DROP	72.6
231523	1244	10634	301	294	224	46	-5.8	-6.0	6098	6386	—	465.2	DROP	61.3
232027	1257	10655	301	290	227	53							NOV DROP	
232600	1310	10718	301	291	204	60	-4.7	-5.6	6095	6308	—	465.6	CLD	70.3
234121	1342	10824	180	177	24	65	-4.9	-4.3	6096	6311	—	465.6	DROP	74.3
235000	1251	10824	180	190	310	52	-5.9	-6.4	6093	6337	—	465.8	ICE	73.0
235316	1243	10817	27	18	302	54	-6.0	-6.4	6097	6338	—	465.7	DROP	74.8
000020	01313	10801	27	11	500	90	-4.2	-2.3	6132	6165	—	463.7	EYE WALL	61.7
001218	1322	10756	12										NOV EYE DROP	
001344	1410	10729											NOV DROP	
002300	1423	10652	72	80	135	36	-2.0	-4.3	5498	5767	—	505.1	ICE	71.4
003211	1435	10611	72	77	133	22	-2.7	-4.6	5501	5786	—	505.1	DROP	77.2
003457	1440	10558	73	79	130	26	-2.9	-4.1	5498	5790	—	505.1	DROP	72.5

U.S. GOVERNMENT PRINTING OFFICE: 1980-765-012 1119

N43RF DROP STATION LOG

Project : Hurricane '97

Mission : Guillermo (UME)

Flight ID : 970802I

Take Off : _____

Landing : _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Sonde OK	Comments
1	632332 906	1	-0.3	182603	JCPB	✓	NC
2	385400 082	2	-0.4	183216	JCPB	✓	NC
3	970150087	1	-0.8	183836	JCPB	✓	NC
4	625432601	2	-1.2	184350	JCPB	✓	NC
5	638130504	1	0.3	184851	JCPB	✓	C
6	964910 141	2	-0.3	191003	JCPB	✓	C
7	638131 406	1	-0.4	192336	JCPB	✓	NC
8	625331 406	2	-0.3	193402	JCPB		NC NO LAUNCH DETECT
9	385400195	1	-0.1	194357	JCPB	✓	C
10	385400 016	2	-0.2	195007	JCPB	✓	NC
11	964910 086	1	-0.1	195549	JCPB		NC Bad Winds
12	964910 009	2	+0.2	200358	JCPB	✓	NC
13	634233 403	1	-0.4	201212	JCPB	✓	NC
14	964910 062	2	-0.7	204220	JCPB	✓	NC
15	632130 206	1	-0.2	204728	JCPB	✓	NC
16	964910 065	2	0.0	205438	JCPB	✓	C
17	385400 080	1	-0.2	205907	JCPB	✓	C
18	964910 140	3	-0.7	210408	JCPB	✓	C
19	964910 126	1	-1.6	212956	JCPB	✓	C
20	385400 043	2	0.3	214351	JCPB	✓	C
21	965040357	1	0.0	215453	JCPB	✓	NC
22	638131 402	2	-1.3	220527	JCPB	✓	NC
23	632332 404	1	-0.3	221014	JCPB	✓	NC
24	970150 086	3	-1.5	221558	JCPB	✓	NC
25	385400 242	2	0.5	222245	JCPB	✓	NC
26	970150237	1	-0.3	223149	JCPB		NC NO WINDS FOR 200 seconds
27	385400 124	2	0.0	223752	JCPB	✓	NC
28	385400 240	1	-0.2	225947	JCPB	✓	NC
29	385400 214	2	0.0	230457	JCPB	✓	NC
30	965120012	3	0.5	231052	JCPB		NC BAD
31	970150042	1	-1.2	231523	JCPB		NC II
32	970150097	2	-2.4	232027	JCPB		NC II
33	638132 202	1	0	234121	JCPB	✓	C
34	964910 138	2	-0.2	235316	JCPB	✓	C
35	627133001	1	0.0	000218	JCPB		NC LOST WINDS

35
35 1/2

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Sonde OK	Comments
36	971520040	2	+1.6	001344	JCPB		NC NO WINDS
37	964910064	1	-0.1	003211	JCPB	✓	C
38	385400034	2	-0.4	003457	JCPB	✓	NC
39	601330502	4	0	004211	JCPB	✓	NC
40	965040267	1	-0.8		JCPB		NC
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Drop Station Operator Notes

DATE : 8/2/97

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft N43RF ON 0202Z BLOCKTIME
SUBJECT: Hazardous Duty OFF 1651Z 9:11

PURPOSE OF FLIGHT: RESEARCH INTO H. GUILLERMO

Hazardous Duty Pay is required for flight made on 8/2/97
(DATE)

Request based on MULTIPLE PENETRATIONS INTO
H. GUILLERMO IN EAST PACIFIC

Personnel on board authorized Hazard Pay:

WADE

MOORE

DAMIANO

LYNCH

GONZALEZ

PRADAS-BERNES

SANS SOUET

PILOT/FLIGHT DIRECTOR: A. Barry Damiano

APPROVED: _____

DISAPPROVED: _____

CHIEF, AOC FLIGHT OPERATIONS: _____

I970802

RENN IAE1

1800, .3, .2
1900, .7, 0.
2000, .3, -.3
2100, .8, -.2
2200, 1.1, .4
2300, .8, 0.
2400, .4, .3
~~2500, .5, .4~~
0100, ~~1.3~~ 1.4, .6
0200, 1.7, 1

NO TIME GAPS

RA159 FIX

170101 - 170230

015600 - 0200

TT check
2200 - 2210

1900 - 1910 1932 - 1947

2354 - 0004

1936 - 1940
• 15 patel

2205 - 2209

TT 27.36 patel • 1

~~File 2315 - 2335~~

2327 - 2332
FT1

patel • 2 24-39
Bius

PATANS

2208 - 2208 ✓

75 seconds

13492 108242

POSITION REPORT	12X
1. POSITION	10708
2. TIME	
3. ALTITUDE	
4. NEXT POSITION	23328
5. ETA	1324.5
6. NEXT POSITION	107528

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:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/VOICE	MF/ICW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S
_____ E / W AT _____ Z

- 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 _____

- PILOT INTENTIONS _____
- WE HAVE _____ ENDURANCE REMAINING

PAGE _____ OF _____



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

[illegible]

97-08-02

[illegible]A vertical strip of a black and white checkerboard pattern. The pattern consists of alternating black and white squares. The strip is slightly wider than it is tall. In the middle section, there is a horizontal band where the squares are blurred and faded, appearing as a mix of gray and white. The rest of the strip shows a clear, sharp checkerboard pattern.This image shows a vertical strip of a black and white checkerboard pattern. The pattern consists of alternating black and white squares. There are some vertical lines and artifacts, possibly from a film edge or a scanning process. The pattern is consistent throughout the strip.