

U.S. DEPT. COMM./NOAA/DAO - DATA SECTION WORK FORM NO.1 OROWF1 FILE

FLT ID: 9508264	FM: MCF	TO: OFE-TBPB
FLT NO: 95-40	BLK IN: 1601/2235	ATA: 1558/2230
ETD: 15Z	BLK OUT: 1459/1715	RTD: 1509/1723
ETE:	BLK TIME: 1:02/5:20 ^{1.8} _{5.3}	FLT TIME: 0:49/5:07 ^{10.8} _{5.1}
SPONSOR ORG: 4AD	PROGRAM: RESEARCH	PURPOSE: T.S. R.S.

0A0 PERSONNEL

AC	MCKIM	SYS ENG	ROLES ✓
CP	O'MARA	DATA SYS	PARA ✓
NAV	STRONG ✓	RADAR	CONRALES ✓
FE	WADE ✓ / TORREY ✓	BT/ODW	GOLDSTEIN
RADIO	ADAMSON ✓	CLD PHYS	KINDER ✓
FD	PARISH ✓	DOPPLER	

PARTICIPATING SCIENTIST/VISITORS/OAO

[illegible]

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

But TDZ at engine start. Lost S-W during Ferry to MIA.
* Joined Flight at OFF.

FLCW FORMATION
TBPS 10K 1741Z-1746Z 1.5K 175145Z-175645Z

HD Flight

29/26

180/87

1008.5

26 1007.8

140/12

3 100 6.2

100

Eyr 15, 62
1700Z
14-90, 60, 80

950826H T.S. IRIS RESGACH (FERRY)

Time	LAT	LONG	TK	WD	WS	PA	GA	TA	TD	SP	PS			
1459	2750.9	8227.5				6		25.4	25.0		1012.5	BLK		
1511	2747.3	8227.5	98	211	20	1067	1170	20.3	22.9	1012.9	866.2	↑		
151445	2735.4	8223.2	175	249	15.6	2779	2925	11.0	11.8	1011.2	720.6	-		
152515	2655	8209	121	202	16	2759	2924	11.7	10.6	1012.8	722.8			
153815	2642.4	8126.7	123	250	9.5	2760	2913	11.4	5.9	1013.2	722.6			
1548	2605.1	8048.6	115	198	16.8	1221	1291	20.0	15.4	1013.6	877.4	↓		
1601	2554.6	8016.4	130			-7		29.2	26.2		1014.1	BLK		
1715	2554.6	8016.4				-3		31.3	24.7		1013.6	BLK		
172830	2558.6	7956.5	71	196	12.2	1815	1936	16.1	14.5	1015.1	807.2	↑		
174100	2549	7905	130	173	8	3023	3212	10.5	-0.7	1014.4	698.8		174600	
175145	2525.8	7827.8	112	160	16.8	4410	476	25.6	22.8	1014.6	961.3		175645	
180030	2512.5	7802.4	151	158	13.1	1860	1982	16.3	13.0	1015.4	802.9			
1816	2437.4	7710.2	120	112	4.3	5173	5500	-2.6	-23.4	1012.7	527.4	↑		
1834	2357	7551	120	79	7.4	5800	6109	-6.4	-21.8	1011.4	484.9			
1918	2207	7232	121	60	10.7	5800	6160	-6.6	-28.5	1011.3	484.9			
2019	1927	6757	123	15	14	5798	6147	-6.5	-35.0	1010.3	485.1			
2044	1816	6605	122	14	10	5795	5991	-6.2	-15.7	995.2	485.1		S of SJU	
2107	1709	6420	124	4	15	5797	6130	-5.0	-22.4	1004.1	485.1			
212245	1624	6310	124	13	20	5797	6122	-5.1	-30.4	1004.1	485.1			
2144	1514	6142	134	22	26	5796	6106	-5.7	-5.3	1001.7	485.3			
220045	1412	6047	109	265	4	5795	6098	-6.0	-6.2	1001.5	495.4		14 38W	
221330	1333	6002	149	154	37	5796	6012	-6.1	-8.8	1006.5	485.2		6108W	
222015	1311.5	5945.3	169	215	19.8	3500	3666	8.4	3.8	1007	680			
2235	1304.6	5923.4				92		30.7	27.1		1002.2	BLK		

950827H N42RF HRD Tropical Storm Iris XCDX

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2 (See note)
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1
Altimeter	APN-159
Altitude change option (for vertical winds)	RA
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2951.CON

Notes:

INE 2 positions were corrected periodically with good GPS positions. No corrections were made to groundspeeds.

Large positive departure in Dewpoint #1 removed and patched using correcter #2 around 2005Z.

JW Liquid Water instrument inoperative during this flight.

Special note. Locations 80, 81 and 82 of the Type 5 record on the Standard Tape contain vertical groundspeed, vertical airspeed and vertical wind, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Jack Parrish, Flight Director

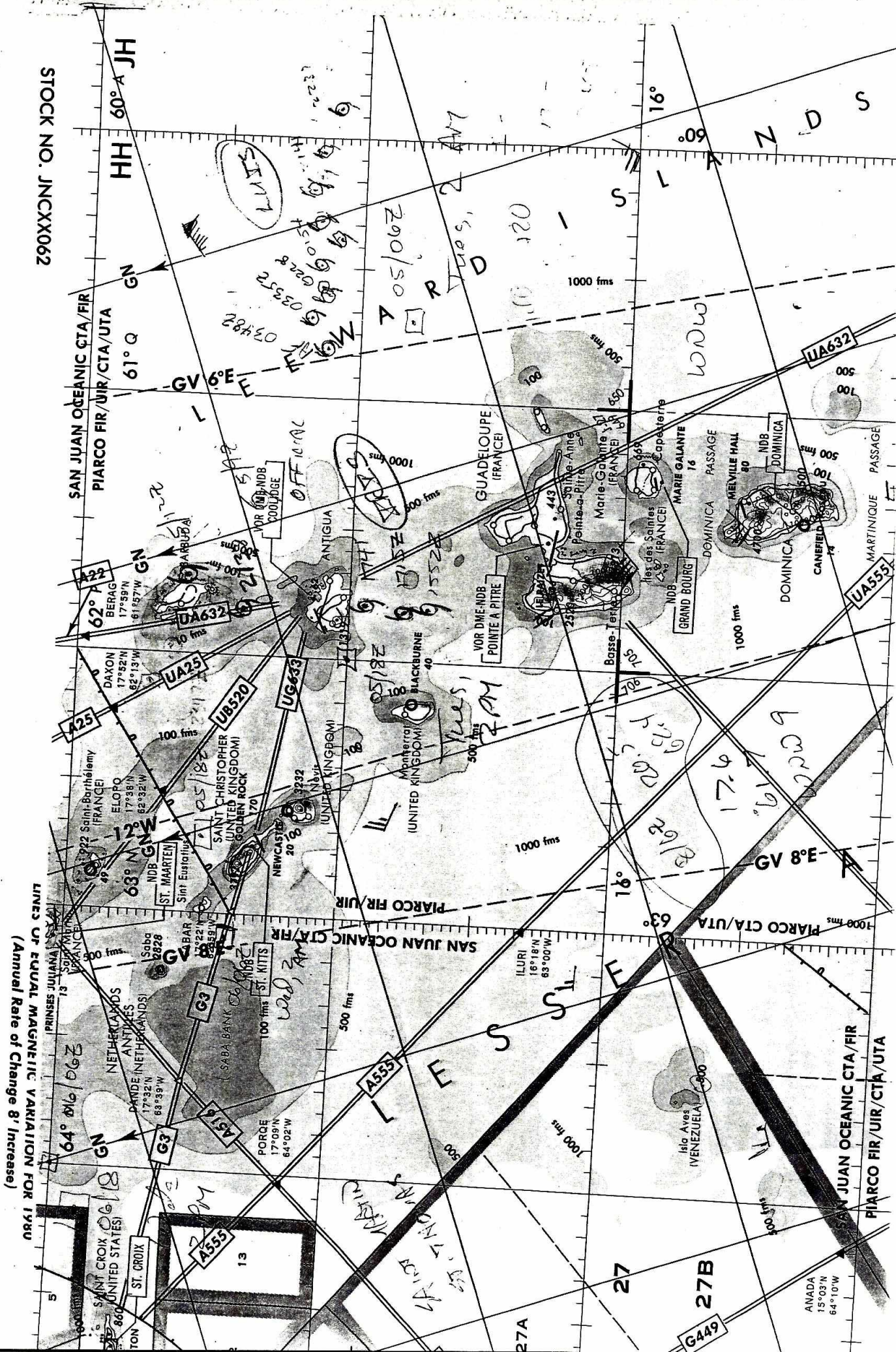

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
T.S. IRIS HRD RESEARCH
YYMMDDL FLT I.D.
950827H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
160001
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
014000
HHMMSS TAKE OFF TIME
160900
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
01
* -----LOGICAL UNIT OF INPUT DATA (I1) 5, 8 OR 9 FOR TAPE DRIVE
1
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (I1) [FOR STANDARD TAPE ONLY]
9
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----DATE OF PROGRAM (MMDDY)
06094
* -----STATIC PRESSURE PROBE (I1)
* 1 = PSW (WINGTIP)
* 2 = PSF (CO-PILOT/FUSELAGE)
* 3 = FUTURE USE
2
* -----DYNAMIC PRESSURE PROBE (I1)
* 0 = PQW(WINGTIP)
* 1 = PQF1 (FUSELAGE 1281)
* 2 = PQF2 (FUSELAGE 1221)
* 3 =FUTURE US
1
* -----INE SELECTION (I1)
* 1 = INE 1
* 2 = INE 2
2
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
2
* ----- TOTAL TEMPERATURE PROBE (I1) [1 OR 2]
1
* ----- DEWPONT TEMPERATURE PROBE (I1) [1 OR 2]
1
* -----ALTIMETER OPTION (I1) - FOR VERTICAL WIND COMPUTATION
* 0 = PRESSURE ALTITUDE (OVER LAND)
* 1 = RADAR ALTITUDE APN-159 (OVER WATER)
* 2 = RADAR ALTITUDE APN-232 (OVER WATER)
1
* -----PRINTOUT RATE SECONDS (I2)
10
* -----WINDSPEED/DIRECTION RUNNING AVERAGE TIME, SECONDS (I2)
10 ! FOR STANDARD TAPE OUTPUT ONLY
* -----TIME OPTION (I1)
* 1 = MICRO 29
* 2 = TIME BASED GENERATOR #1
* 3 = TIME BASED GENEATOR #2
1
* -----NAME OF CONSTANTS FILE EX CO3863.CON
CO2951.CON
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LINES OF EQUAL MAGNETIC VARIATION FOR 1950
(Annual Rate of Change 8' Increase)

2



CREW LIST- Fri. 25 Aug, 1995, 2PM
NEXT UPDATE: Sat., 8/26, 8AM (221-3679)

POSSIBLE DEPLOYMENT- SITES

1. Barbados - for IRIS: 60% chance
Show time at Opa Locka: 12 noon

DAYS

Sat., 8/26/95 + 3 days: 60% chance

Candidate Experiments:

1. Vortex Motion & Evolution (VME)- 50%
2. Extended Cyclone Dynamics (XCDX)- 20%
3. Exodus (inverse Genesis)

CREW

43 RF

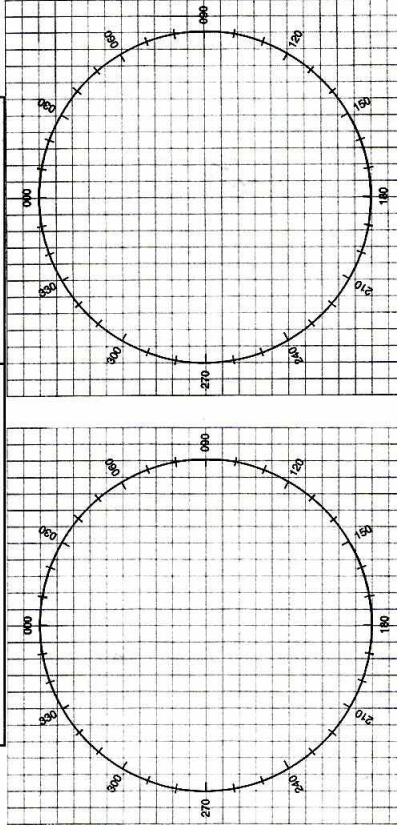
James Franklin
John Kaplan
Frank Marks
Joe Griffin
Paul Leighton

42RF

Hugh Willoughby
John Gamache
Mike Black
Pete Black
Roger Smith

MIAMI WEATHER- Chris Samsury

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