

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

FLT ID: 960829H	FM: TISX	TO: OPE/MCF
FLT NO:	BLK IN:	ATA: 0227/03 30
ETD: 1730	BLK OUT: 1735	RTD: 1747/0238
ETE: 6+00 /8+00	BLK TIME: 10.1	FLT TIME:
SPONSOR ORG: NOAA	PROGRAM: HRD	PURPOSE: XCDX

OAO PERSONNEL

AC MCKIM ✓	SYS ENG MCMICAN ✓
CP TAGGART	DATA SYS
NAV STRONG ✓	RADAR DELGADO ✓
FE WADE/TORREY ✓	BT/ODW BARR
RADIO	CLD PHYS
FD WHITE ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
MCFADDEN ✓		AOC
HAGAN ✓		
KINNEY ✓		
BLACK/BLACK ✓		HRD
DOKST ✓		
DONNELLY ✓		
BRACKEN ✓		

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

DATA TISX 29/1747Z.
ETA SW 70W 29/2030Z.

25.9
80.3

LAST REPORT OBS 01 THRU --
ETA KOPF 30/0230Z.
2 PENETRATIONS

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

FLT ID: 960829H TIME OFF: 1747 TIME ON: 0227

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1011.0	1010.7	1014.2	1013.7

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	Y		
FAST FLT LVL TAPES			
RADAR TAPES	Y		
DOPPLER TAPES	Y		
ODW CASSETTES			
HARD COPIES			
AXBT			
AXCP			
ODW			

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON	1	1	1	1
OFF				
RATE				

REMARKS

Time	TA	TD	WD	WS	PS	Remarks
1732						eng
1735						blk
1747	31.2	23.7	170	6	1010.7	T/O
1833	-2.7	-17.7	244	7.3	526.7	unable to get 500mb enroute to IP for XCDX mission
1912	-4.9	-19.1	257	33.1		descend sample 500/700/850/925 mb
2020:30	-5.1	-5.9	149	55		drop sonde at NE corner (no wind)
2049						GPS sonde in eye
2138						descend sample 500/700/850/925 mb
2306						25 22.4N, 69 23.0W
2325:38	-4.9	-6.9	021	39.4		GPS sonde
0032						APU-159 off
0040						11 11 01
0044						descend sample 500/700/850/925 mb

960829H

START: 1745:00

END: 0228:00

BAD BLOCKS

1753:21 1732:31

:30

1833:20 - 1852:00

1931:03

RA 159 w/

1747 - 1748 232

1750 - 1752 GPS*

0031 - 0047 GPS + 20

0226 - 0228 232

NO RENAU

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      TITLE (MAX 21 CHARACTERS) -- EX  HURRICANE PAINE
EDOUARD XCDX & RECCO
YMMDDL  FLT I.D.
960829H
HHMSS START TIME  -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
174501
HHMSS END TIME      999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
022800
HHMSS TAKE OFF TIME
174700
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
4
* -----LOGICAL UNIT OF INPUT DATA (I1)  5, 8 OR 9 FOR TAPE DRIVE
9
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (I1) [FOR STANDARD TAPE ONLY]
9
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----DATE OF PROGRAM (MMDY)
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
1
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
1
* ----- 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
CO2964.CON
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11175
15016

AU 434-4320
305/229-4474

DATE	SCHEDULED FIX TIME	AIRCRAFT NUMBER	ARWO
MANOP HEADING (PRECEDENCE IMMEDIATE)			
MISSION IDENTIFIER AND OBSERVATION NUMBER NOAA2 0805A EDOUARD OB 16 KWBC			
(ABBREVIATED) (DETAILED) VORTEX DATA MESSAGE			
A	29/2049 Z	DATE AND TIME OF FIX	
B	25 DEG 07 MIN N S	LATITUDE OF VORTEX FIX *	
	69 DEG 17 MIN E W	LONGITUDE OF VORTEX FIX *	
C	NA MB	MINIMUM HEIGHT AT STANDARD LEVEL	
D	100 KT	ESTIMATE OF MAXIMUM SURFACE WIND OBSERVED	
E	225 DEG 10 NM	BEARING AND RANGE FROM CENTER OF MAXIMUM SURFACE WIND	
F	132 DEG 106 KT	MAXIMUM FLIGHT LEVEL WIND NEAR CENTER	
G	045 DEG 10 NM	BEARING AND RANGE FROM CENTER OF MAXIMUM FLIGHT LEVEL WIND	
H	NA 943 MB	MINIMUM SEA LEVEL PRESSURE COMPUTED FROM DROPSONDE OR EXTRAPOLATED FROM WITHIN 1500 FT OF SEA SURFACE	
I	4 c/ 4280 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE OUTSIDE EYE	
J	13 c/ 4274 M	MAXIMUM FLIGHT LEVEL TEMP / PRESSURE ALTITUDE INSIDE EYE	
K	8 c/ NA C	DEWPOINT TEMP / SEA SURFACE TEMP INSIDE EYE	
L	OPEN SE	EYE CHARACTER: Closed wall, poorly defined, open SW, etc.	
M	CO 20-60 15-50	EYE SHAPE/ORIENTATION/DIAMETER. Code eye shape as: C - Circular; CO - Concentric; E - Elliptical. Transmit orientation of major axis in tens of degrees, i.e., 01-010 to 190; 17-170 to 350. Transmit diameter in nautical miles. Examples: C8 - Circular eye 8 miles in diameter. E09/15/5 - Elliptical eye, major axis 090-270, length of major axis 15 NM, length of minor axis 5NM. CO8-14 - Concentric eye, diameter inner eye 8 NM, outer eye 14 NM.	
N	25 DEG 07 MIN N S 69 DEG 17 MIN E W 29/2049 Z	CONFIRMATION OF FIX: Coordinates and Time *	
O	1234 / 7	FIX DETERMINED BY/FIX LEVEL FIX DETERMINED BY: 1 - Penetration; 2 - Radar; 3 - Wind; 4 - Pressure; 5 - Temperature. FIX LEVEL (Indicate surface center if visible; indicate both surface and flight level centers only when same): 0 - Surface; 1 - 1500 ft; 8 - 850 mb; 7 - 700 mb; 5 - 500 mb; 4 - 400 mb; 3 - 300 mb; 2 - 200 mb; 9 - Other.	
P	1 / 2 NM	NAVIGATION FIX ACCURACY METEOROLOGICAL ACCURACY	
Q	REMARKS MAX FL WIND 106 KT NE QUAD 2046Z. SLP DROPSONDE		
INSTRUCTIONS: Items A through G (and H when extrapolated) are transmitted from the aircraft immediately following the fix. The remainder of the message is transmitted as soon as available for scheduled fixes and at the ARWO's discretion for unscheduled (intermediate) fixes. * CHECK SUM REQUIRED IN WESTPAC.			

- AWS FORM JAN 77 82

PREVIOUS EDITION IS OBSOLETE.

ABBREVIATED/DETAILED VORTEX DATA MESSAGE

DATE : 29 August 1996
TO : Chief, AOC Flight Operations
FROM : Pilot/Flight Director, Aircraft
SUBJECT: Hazardous Duty

ON X ⁰³⁴⁰ BLOCKTIME
N42RF
OFF 1735 10.1

PURPOSE OF FLIGHT: HURR RESEARCH

Hazardous Duty Pay is required for flight made on 29 Aug 96
(DATE)

Request based on SEVERE WX
HURRICANE PENETRATION

Personnel on board authorized Hazard Pay:

- MCFADDEN, J _____
- McMILLAN, S _____
- BARB, J _____
- DELGADO, J _____
- TORREY, R _____
- WADE, S _____
- KINNEY, B _____
- _____
- _____

PILOT/FLIGHT DIRECTOR: SR WHITE

APPROVED: X DISAPPROVED: _____

for CHIEF, AOC FLIGHT OPERATIONS: 

