

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 960820H	FM: TSIX	TO: TSIX
FLT NO:	BLK IN: 0027	ATA: <del>0255</del> 0026
ETD: 1600	BLK OUT: 1620	RTD: 1630
ETE: 9+00	BLK TIME: 8.2	FLT TIME: 8.0
SPONSOR ORG: NOAA	PROGRAM: HRD	PURPOSE: EDUARD

OAO PERSONNEL

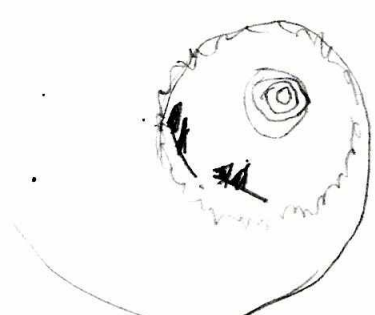
AC MCKIM ✓	SYS ENG McMILLAN ✓
CP TAGGART ✓	DATA SYS
NAV STRONG ✓	RADAR DELGADO ✓
FE TORREY/WADE ✓	BT/ODW BARR ✓
RADIO	CLD PHYS
FD WHITE ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
31 BLACK ✓		
BRACKEN ✓		
DONNELL ✓		
LANDSEA ✓		
GAMACHE ✓		
HAGAN, J		

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

DPTD TSIX 27/1630Z. 6 PENETRATIONS  
 010/8 . . . 29.88



LAST REPORT OBS 01 THRU  
 ETA TSIX 28/0015Z.

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

FLT ID: 960827H TIME OFF: 1630 TIME ON: 0026

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1012.0	1012.5	1010.9	1011.3

NO		DATA DISPOSITION/DATE/QUALITY	
1/SEC FLT LVL TAPES	✓		
FAST FLT LVL TAPES			
RADAR TAPES	✓		
DOPPLER TAPES	✓		
DDW CASSETTES			
HARD COPIES	✓		
AXBT			
AXCP			
DDW			

PHOTOGRAPHY					
	FWD	LS	RS	VERT	
ON	1	1	1	1	
OFF					
RATE					

REMARKS





960827H

START: 1625:01  
END: 002700

ISAD BLOCK

1653:01  
:30

1730:35

2146:31  
:50

~~2225:54~~

NO RENAV

~~0024<sup>00</sup> - 0027<sup>00</sup>~~

~~RA159 w/RA232~~

RA 159 w/GPS

1632 - 1634

1657 - 1659 +10

0014 - 0016 +10

0024 - 0027 w/232

no King liquid water

RA 159 spike @ 1632:18 six  
minutes after Takeoff.

RA unreliable 1630-1634

EDOUARD'S EYEWALL EXPERIMENT

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FLIGHT #3 H960827

TYPE OF DATA -----	SENSOR OR OPTION -----
INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA159
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 99
Constants file	CO2964.CON

Notes:

There were five time/data gaps:            1653:01   1653:30  
                                                  1732:35   2146:31   2146:50

The RA159 was replaced with the RA232 or the GPS for the following time periods:            1657:00 - 1659:00  
                                                                                                  0014:00 - 0016:00  
                                                                                                  0024:00 - 0027:00

The RA159 spikes at 1633:18, RA unreliable 1630-1634.

Dewpoint temperature exceeds ambient temperature throughout the flight during heavy precip.

The King Liquid water probe was inoperable for the entire flight.

SPECIAL NOTE!!!    Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff -----	Landing -----
Aircraft static pressure	1012.0mb	1010.9mb
Corrected tower pressure	1012.5mb	1011.3mb

Flight Meteorologist: Sean White: (813) 828-3310 ext. 3072



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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
EYEWALL EXPERIMENT
YYMMDDL FLT I.D.
960827H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
162501
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
002700
HHMMSS TAKE OFF TIME
163000
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
2 3
* -----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 (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
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)
30
* -----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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DATE : 27 August 96  
TO : Chief, AOC Flight Operations  
FROM : Pilot/Flight Director, Aircraft N42RF ON 0030 BLOCKTIME  
OFF 1620 8.2  
SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: HUR RESEARCH

Hazardous Duty Pay is required for flight made on 27 August 96  
(DATE)

Request based on SEVERE WEATHER

Personnel on board authorized Hazard Pay:

- TORREY, R
- WADE, S
- MCMILLAN, S
- DELGADO, J
- BARR, J
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

PILOT/FLIGHT DIRECTOR: CCDR S.R. WHITE

APPROVED: X DISAPPROVED: \_\_\_\_\_

for CHIEF, AOC FLIGHT OPERATIONS: *[Signature]*



