

U.S. DEPT. COMM./NOAA/DAO - DATA SECTION WORK FORM NO.1 DAOWF1 FILE

FLT ID: 960817H	FM: BBB / OPE	TO: MCF
FLT NO: 96-044	BLK IN: 2324	ATA: 2222 / 2319
ETD: 1500	BLK OUT: 1453	ATD: 1501 / 2234
EYE: 8+00	BLK TIME: 8.5	FLT TIME:
SPONSOR ORG: NOAA	PROGRAM: HRD	PURPOSE: Trop Circle

DAO PERSONNEL

AC: PLAYER, G ✓	SYS ENG: McMICHAU, S ✓
CP: MCKIM, G ✓	DATA SYS:
NAV: RATHBUN, D ✓	RADAR:
FE: TORREY, WADE ✓	BT/ODW: BARR, J ✓
RADIO:	CLD PHYS:
FD: WHITE ✓	DOPPLER:

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
McFADDEN, J ✓	PM	AOC
KINNEY, B ✓	CC	
BLACKBURN, J ✓	Sci	HRD
FRANKIN, J ✓		
POSTEFANU, J ✓		NCAR
POWELL, R ✓		
HOCK, T ✓		UMASS
CHAMBERLAIN, E ✓		

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

30.00 ✓ 1015.5 30/24

"T" 2140 110/13 30.00 ~ 1015.8

2120:40 - 2141:20 Bad Times

0121:00 - 0141:10

Spikes 1741:10 2120:47

1757:14 0156:30

1839:47

U.S. DEPT. COMM./NOAA/OD - DATA SECTION WORK FORM NO.2 OROWF2 FIL

FLT ID: 960817H TIME OFF: 1501 TIME ON: 2318

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1011.7	1015.5	1015.4	1015.8

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 GPS

12

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

960817 H

Time	TA	TD	WD	WS	PS	Remarks
1501	29.2	22.6	080	8.7	—	TWO
1533:00	-2.0	-15.9	029	12.5	550.2	GPS # 1
1537:00	-1.8	-22.0	41	11.4	—	GPS # 1 Good
1538						Balance TW # 1
1543:00	-1.8	7.0	42	13.1	—	GPS # 2 Good
1550						TW # 2 selected
1560	-1.0	-6.2	65	11.7	—	GPS # 3 Good
1617:10	-2.1	-7.2	65	6.0	—	GPS # 4 Good
1734	-4.6	-14.4	150	10.7	—	GPS # 5 no
1757:00	-4.3	-6.4	182	16.7	—	GPS # 6
1815:24	-5.4	-4.8	124	14.5	—	GPS # 7
1834:31	-4.4	-6.6	50	24.4	—	GPS # 8
1851:00	-4.8	-5.3	55	14.5	—	GPS # 9 turn to SE
30:30	-4.2	-5.0	78	11.5	—	GPS # 10
54:18	-4.3	-8.9	43	11.3	—	# 11
2042:00	-4.8	-13.6	100	15.4	—	# 12

TROP CYCLOGENESIS

FLIGHT #3 H960817

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 ten time/data gaps: 1740:51 1741:10 1757:01
 1757:10 1839:41 1839:50 2120:41 2121:00 2156:21 2156:50

The RA159 was replaced with the RA232 or the GPS for the
 following time periods: 2007:00 - 2013:00
 2028:00 - 2035:00
 2221:00 - 2223:00

Dewpointer #1 (DW1) was replaced with dewpointer #2 (DW2)
 from 1500:00 until 1558:00.

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

The aircraft INE positions were renavigated with respect to GPS.

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	1011.7mb	1015.4mb
Corrected tower pressure	1015.5mb	1015.8mb

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


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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
TROP CYCLOGENESIS
YYMMDDL FLT I.D.
960817H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
145801
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
222300
HHMMSS TAKE OFF TIME
150100
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
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)
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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DATE : 17 August 1996
TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft N42 RF ON 2324 BLOCKTIME
OFF 1453 8.5

SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: TROP. CYCLOGENESIS

Hazardous Duty Pay is required for flight made on 17 August 96
(DATE)

Request based on CLOSE FORMATION
WITH N43 RF

Personnel on board authorized Hazard Pay:

TORREY, R

WADE, S

KINNEY, B

McMILLAN, S

BARR, J

McFADDEN, J

PILOT/FLIGHT DIRECTOR: LCDR SEAN R. WHITE

APPROVED: _____

DISAPPROVED: _____

CHIEF, AOC FLIGHT OPERATIONS: _____

