

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

FLT ID: 960930 TH	FM: KMCF/KOPF	TO: KOPF/KMCF
FLT NO: 96-050	BLK IN: 1603/2143/2243	ATA: 1559/2139/2236
ETD: 1500/1645	BLK OUT: 1455/1657/2152	RTD: 1510/1703/2156
ETE:	BLK TIME: 6.45 6.8	FLT TIME: 6.07 6.2
SPONSOR ORG: HRD	PROGRAM: HURR. RESEARCH	PURPOSE: CLOUDS + CLIMATE

OAO PERSONNEL

AC MCKIM, G ✓	SYS ENG ROLES, J ✓
CP TASCART, B	DATA SYS MCMILLAN, S ✓
NAV RATHBUN, D ✓	RADAR CARPENTER, D ✓
FE WADE, S ✓	BT/ODW ROLES GONZALEZ, J ✓
RADIO	CLD PHYS HALL, P ✓
FD CZ424K, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
HOCK, T	AVAPS	HRD
BLACK, M -	SCIENTIST	HRD
BLACK, B -		
GAMACHE, J -		
STAMATES, J -		
CROSS, G ✓		
MACFARREN, J		
		GULFSTREAM
		AOC

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)
 FOLLOW CLOUD TOP STARTING 12KFT EACH PASS UP 1500 FT
 GROWING STAGE AT 5K FT CIRCUMNAV 5-6 NM LEGS
 PENETRATION AT 3 OR 5K FT.

Drop 1 81 35N 26 W N ~

DISROMETER
 80° 40' 52"
 25° 23' 24"

0.8
 4.6
 0.1

13.6

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

FLT ID:

TIME OFF:

TIME ON:

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1018.7	30.10		30.06

NO

DATA DISPOSITION/DATE/QUALITY

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

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

CLOUDS AND CLIMATE

FLIGHT #1 960930H

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	PA
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 99
Constants file	CO2965.CON

Notes:

Dewpointer #1 (DW1) exceeded the ambient temperature on several occasions times due to heavy precipitation.

	Takeoff	Landing
	-----	-----
Aircraft static pressure:	1018.7 mb	1016.2 mb
Corrected airport pressure:	1019.3 mb	1017.9 mb

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.

Flight Meteorologist: Stan Czyzyk: (813) 828-3310 ext. 3086

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
CLOUDS AND CLIMATE
YYMMDDL FLT I.D.
960930H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
165701
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
214010
HHMMSS TAKE OFF TIME
170248
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
01
* -----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
* ----- DEWPOINT 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)
0
* -----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
CO2965.CON
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960930#

[illegible]

DATE : 9/30/96

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft N42RF ON 2243 BLOCKTIME

SUBJECT: Hazardous Duty OFF 1455 6.8

PURPOSE OF FLIGHT: CLOUDS + CLIMATE

Hazardous Duty Pay is required for flight made on 9/30/96
(DATE)

Request based on PENETRATED SEVERAL THUNDERSTORMS

AT 3, 4, 5K Ft.

Personnel on board authorized Hazard Pay:

S. Czyzyk

J. GONZALEZ

J. ROLES

D. CARPENTER

S. MCMILLAN

S. WADE

PILOT/FLIGHT DIRECTOR: [Signature]

APPROVED: ✓

DISAPPROVED: [Signature]

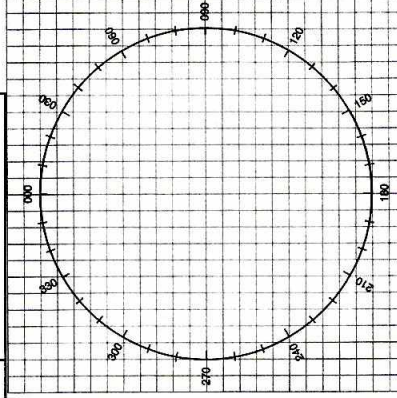
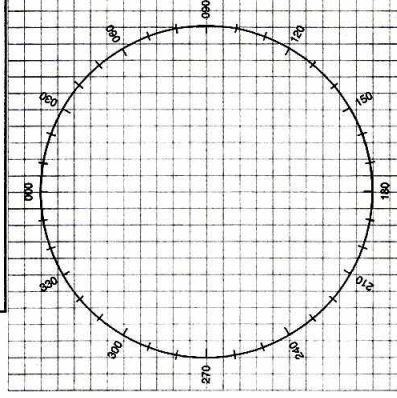
CHIEF, AOC FLIGHT OPERATIONS: [Signature]

CLEARANCES

[illegible]

MISSION LOG

PAGE OF



POSITION REPORT

1. POSITION
 2. TIME
 3. ALTITUDE
 4. NEXT POSITION
 5. ETA
 6. NEXT POSITION

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/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY. MAYDAY. MAYDAY.

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S _____

- HEADING	TRUE/MAG
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-AT_____KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD _____

-NATURE OF EMERGENCY

**- ASSISTANCE DESIRED
BRIEF INTENTIONS**

- WE HAVE
- PILOT INTENTIONS

[illegible]