

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

FLT ID: 960808H	FM: MCF	TO: MCF
FLT NO: 96-041	BLK IN: 1929	ATA: 1922
ETD: 1500	BLK OUT: 1521	RTD: 1532
ETE: 5+00	BLK TIME: 4.2	FLT TIME: 3+50
SPONSOR ORG: HRD	PROGRAM:	PURPOSE: Inst' checks

DAO PERSONNEL

AC P+11, R ✓	SYS ENG
CP TAGGART, B ✓	DATA SYS
NAV STRONG, T ✓ KOZAK, S ✓	RADAR
FE TORREY, R ✓ WADE, S ✓	DT/ODW
RADIO	CLD PHYS
FD WHITEY, S ✓ DAMIANO, B ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
FRANKLIN, J ✓	HRD	
LAURITSON, D ✓	NCAR	
POWELL, R	U MASS	
POPSTEFANIGA, I	U	
GOLDSTEIN, A/HILL ✓	AOC	
MC MILLIAN, J		
BARR, J ✓ CARPENTER, D ✓		
MCNAMARA, P DELGADO, G ✓		

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

30.12 ~ 1019.5 CALM ↓ 3 m/s 19°
3 m/s

VORTEX out 1:33 pm (1733Z) 180

FIXE# 1 updated? 360

VORTEX out 2:14 pm (1814Z) 090

TEMP DROP out 2:45 pm (1845Z) (1900Z)

3:00 pm 2:53 pm (1853Z)

INST CHECK FLIGHT

FLIGHT #1 H960808

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	CO2964.CON

Notes:

There were eight time/data gaps: 1552:16 1552:20 1606:41
1606:50 1632:59 1633:00 1840:57 1841:00

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

960808 H

STARTS 152801
END? 192900

BAD BLOCKS

1552:16
:20

1606:41
:50

1632:59
33:00

1840:57
41:00

~~remove
APN 59
spikes~~

~~Replace APN 157 w 232~~

~~153201 - 153500~~

~~162101 - 162400~~

~~192101 - 192400~~

PA used

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
INST CHECK FLIGHT
YYMMDDL FLT I.D.
960808H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
152811
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
192900
HHMMSS TAKE OFF TIME
153000
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
1
* -----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)
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 C03863.CON
C02964.CON
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DEWPOINTERS

(Updated 8 July 1996)

N42RF

	<u>Offset</u>	<u>Slope</u>
General Eastern 1201 S/N 52724 w/ Sensor S/N 93602	-17.6944	11.0417
AOC #2 with Sensor S/N 1664	-0.5165	9.0582
EG&G 137 C/U S/N 484 w/ Sensor S/N 1673 (NCAR)	-52.2155	20.2545

DW#~~1~~
3 8/10/96

N43RF

General Eastern 1201 S/N 52723 w/ Sensor S/N 92616	-17.1603	11.2878
AOC #1 with Sensor S/N 842	0.3919	10.0454
EG&G 137 C/U S/N w/ Sensor S/N (NCAR)	0.0000	0.0000

DATE : 8 AUG 96

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft

ON 1930 BLOCKTIME

N42RF

OFF 1521 4.2

SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: INST CHECK FLIGHT

Hazardous Duty Pay is required for flight made on 8 August 96
(DATE)

Request based on CLOSE FORMATION

W/ N43RF

Personnel on board authorized Hazard Pay:

TORREY, R

WADE, S

DAMIANO, B

GOLDSTEIN, A

HILL, J

MC MILLAN, S

BARR, J

CARPENTER, D

DELGADO, G

PILOT/FLIGHT DIRECTOR: LCDR S. R. WHITE

APPROVED: _____

DISAPPROVED: _____

CHIEF, AOC FLIGHT OPERATIONS: _____

122.925

INSTRUMENT CHECK FLIGHT N42RF

EVENTETE

1. Takeoff at 11:00 am proceeding offshore to the...
2. Rendezvous with N43 at... +30
3. Complete five drops with dummy sondes at 15.5K feet: 1+00
 - 3 X 180 IAS (knots) vent open, normal AOA
 - 220 IAS (knots) vent open, normal AOA
 - 220 IAS (knots) near closed, normal AOA
 - 220 IAS (knots) near closed, high AOA
 - 3 X 240+ IAS (knots) vent ???, normal AOA

If these test sondes depart N42 and cleanly clear the airframe (based on observations within N42 and from N43) then continue, otherwise proceed to item 6. N43 will depart and continue...
4. Climb to highest possible altitude and drop a live sonde. Proceed away (20 to 25 min) from the sonde until splashdown. +40
- 4A. Repeat item 4, if required. +30
- 5. Drop another sonde and perform spiral descent profile at 1000 fpm down to 200 feet AGL through airmass in which sonde descended. +45
- 10m legs 6. Flight legs at 5500 feet with upwind, downwind, and crosswind tracks oriented with the prevailing surface conditions. +45
7. Cloud and/or rain shaft penetrations below freezing level (in air with temperatures greater than 0 degrees Celsius) +20
8. Drop two AXBT's from 500 to 1000 feet. Only if items 1-7 completed satisfactory. +30

Total flight time: 5+00

rendevous procedures:

3 min delay 270/30 IFR T/O

low 43 14 WIGSA
high 42 45

AOC DAILY FLIGHT LOG

AIRCRAFT TYPE: WP-3D	AIRCRAFT I.D.: N42BF	MISSION(S): INSTRUMENT CHECK FLT			
DATE: 8 AUG 96	FLIGHT No.: 96-041	OPERATIONAL TRAINING	FERRY MAINTENANCE	SIMULATOR ☒ OTHER:	

FLIGHT INFORMATION

LEG	DEP. TIME (GMT)	LOCATION	ARR. TIME (GMT)	BLOCK TIME	MISSION	TASK No.	USE CODE
1	1430	MCF					
2	1521	MCF	1930	4.2		8P3A42	
3						00	
4							
5							

TOTAL

4.2

WEATHER BRIEF FROM:

NOTAMS CHECKED WITH:

FLIGHT PLAN ON FILE AT:

MCF

AIRCREW DATA

CREW POSITION	FLIGHT CREWS LAST NAME, INITIAL	FLIGHT HOURS TOTAL			FLIGHT HOURS NIGHT	LANDINGS		INSTRUMENTS			APPR'S	
		PIC	SIC	IP		DAY	NIGHT	HOURS			PREC	NP
								ACT	HOOD	SIM		
AC	PHILLIPS BORN, R	4.2				1		1.0				
P	TAGGART, B	2.2	2.1					1.0				
CP												

NAV	STRONG, T	
NAV	KOZAK, S	
RADIO OR PHOTO		
FE	TORREY, R	
FE	WADE, S	
MECH		

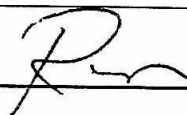
REMARKS:

18 S.O.B.

WEIGHT & BALANCE

☒ ATTACHED
ON FILE

AC SIGNATURE



ADDITIONAL AIRCREW/PASSENGERS

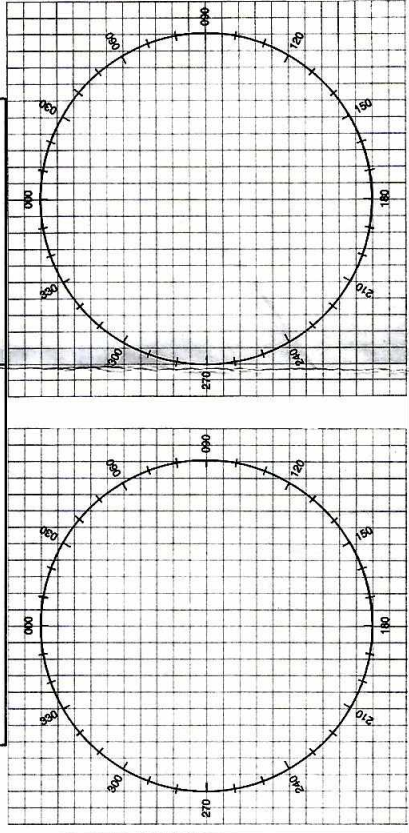
LAST NAME, INITIAL	ORGANIZATION/PHONE	LEGS FLWN	LAST NAME, INITIAL	ORGANIZATION/PHONE	LEGS FLWN
WHITE, S	NOAA/AOC		CARPENTER, D	NOAA/AOC	
DAMIANO, B			FRANKLIN, J	NOAA/HRD	
GOLDSTEIN, A			LAURITSON, D	NCAR	
McMILLAN, S			POWELL, R	U MASS	
BARR, J			ROSTEFANITZ, J	U MASS	
McNAMARA, R					
HILL, J					

3

[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 _____**

- POSITION _____ N/S _____
 _____ E/W AT _____ Z _____

- HEADING _____ TRUE/MAG _____
- AT _____ KTS TRUE/INDICATED _____

- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

[illegible]