

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

FLT ID: 970902H	FM: MCF	TO: CYT
FLT NO: 96-057	BLK IN: 2058Z	ATA: 2054Z
ETD: 1200Z	BLK OUT: 1200Z	RTD: 1218Z
ETE: 2015Z	BLK TIME: 8.58 9.0	FLT TIME: 8.36 8.6
SPONSOR ORG: NOAA/AL	PROGRAM: NAZE	PURPOSE: FERRY MISSION

OAO PERSONNEL

AC MCKIM X	SYS ENG McMILLAN, S X
CP OMARA X	DATA SYS MCNAMARA, R X
NAV RATHBUN X	RADAR
FE TORREY X	BT/ODW
RADIO MCWHIRTER X	CLD PHYS
FD CZYZYK X	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
HUBLER, G X	FS / PI	AL/CINES
RYERSON, T X	No/Noy	
HUEY, G X	CIMS	
FRIED, A X	TDLAS	
WILLIAMS, J X	PANS	
KUSTER, W X	6C	
JOHNSON, B X	Peroxide	
HOLLOWAY, J X	Pod Co	

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PCNET, NHOP #)
TW3 TOO COLD

U.S. DEPT. COMM./NOAA/ORD - DATA SECTION WORK FORM NO.2 ORWF2

FLT ID: 970902H

TIME OFF: 1218Z

TIME ON: 2054Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1015.8	30.02		30.17

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

TIME	LAT	LONG	TK	HD	TA	TD	WD	WS	PA	GA	PS	SP	REMARKS
1159.35													BLOCK OUT
1218													TAKEOFF
123700	28 07	81 20	56	58	1.1	1.8	232	6.5	4554	4819	572.9	1008.8	15K CAL
124800	28 34	80 37											TURN W
1253													TURN NW
130000	28 57	81 21	346	345	0.6	-1.7	191	5.6	4549	4832	573.6	1012.5	
1316													
131930	30 22	81 30	003	004	7.1	3.1	53	5.2	3470	3658	664.7	1012.8	DESCEND
132500	30 43	81 29	003	003	19.8	16.4	64	4.9	1203	1283	877.0	1015.5	BETWEEN CLOUDS
132810													4K LEVEL
140300	32 35	80 34	052	054	19.3	16.3	69	20.7	1220	1335	872.1	1017.8	3K LEVEL
141526	33 02	79 52											CLIMB
141803													LEVEL 13K
143030													CLIMB
143320													LEVEL 19K
143815	34 10	78 28	29	29	-10.9	-28.0	298	5.1	6405	6810	445.8	1011.3	CLIMB
144815													LEVEL 21K
150045													DESCEND
1504													11.5 K
151340	36 21	76 56	44	44	22.1	14.7	143	2.9	550	643	949.2	1021.9	DESCEND
151810													2K LEVEL
152030													↓ 1K
1526	36 54	76 15											↑ 2K
153332													TURN E
1535	36 56	75 32											50
153630													300 FT
153815	36 57	75 20	89	91	21.0	16.7	188	5.6	548	648	949.2	1022.2	↑ 2K FT
154800	36 57	74 36	91	92	21.0	16.2	204	3.9					2K FT
155310	36 56	74 11											↑ 6.5K FT
155620													↓ 2K FT
160300													LEVEL 2K
160530													↓ 300 FT
160910													↑ 4K FT
161320													↓ 2K FT
161810													TURN NE
163000	37 39	71 40	53	49	5.6	-11.1	327	12.0	3269	3481	677.4	1020.4	CLIMB
1642	38 13	70 46											11K FT (WV)
165540													17K FT LEVEL
170015													↑ 19K FT
172010	39 59	68 01	012	010	-5.2	-35.4	299	7.0	5783	5473	527.2	1015.0	LEVEL 17K
1727													ALZ
173500	41 00	67 43	18	14	11.6	7.5	270	11.8	1831	1960	811.9	1020.7	DESCEND
180500													6K FT LEVEL
181800	43 04	66 02											↓ 300 FT
182900	42 52	65 02	108	111	4.6	-8.1	245	22.7	2994	3159	701.6	1019.8	CLIMB FROM 1K
183305	42 47	64 42											10K LEVEL
185600	43 18	62 15	66	62	-19.4	-38.0	281	37.7	6947	7294	413.0	1018.3	CLIMB
190015													23K FT
191700													DESCEND
191730													300 FT
194200	44 55	57 50	57	50	-22.7	-30.5	308	37.8	7005	7289	410.3	1017.7	CLIMB
200600													23K LEVEL
202430													DESCENT
202955	46 36	53 29											CIRCLE
205400													500 FT LIGHTHOUSE CAPE ANE TOUCHDOWN

FERRY TO ST. JOHN'S

Flight #1 H970902

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	2
Dew Point Probe	2
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2974.CON

Notes:

Downward spikes in radar altimeter are a result of overflying land (2029:50-2030:05 and 2038:31-2053:30).

Radar altimeter (RA-159) had a spike at takeoff (1218:30-1218:46) and was replaced with RA-232. RA-159 was set to zero at landing due to spike (2053:31-2058:00). A spike in RA-159 was removed and patched 1248:21-1248:35.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1015.8	1005.2
Corrected tower pressure	1016.6	1021.7

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
FERRY TO ST. JOHN'S
YYMMDDL FLT I.D.
970902H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
121501
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
205700
HHMMSS TAKE OFF TIME
121800
* 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)
0
* -----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]
2
* ----- DEWPONT TEMPERATURE PROBE (I1) [1 OR 2]
2
* -----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
CO2974.CON
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3-782	500 SHEETS, FILLER	5 SQUARE
12-381	50 SHEETS EYE-EASE®	5 SQUARE
12-382	100 SHEETS EYE-EASE®	5 SQUARE
12-383	200 SHEETS EYE-EASE®	5 SQUARE
12-392	100 RECYCLED WHITE	5 SQUARE
12-399	200 RECYCLED WHITE	5 SQUARE

Made in U. S. A.



Ryerson, T.

Huey, G.

Fried, A

Williams, J.

Kuster, W.

Jobson, B.

Hokoway, J.

Hübner, G.

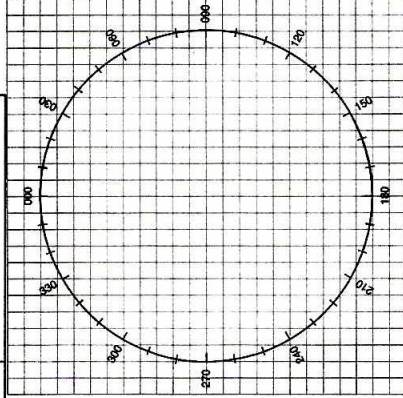
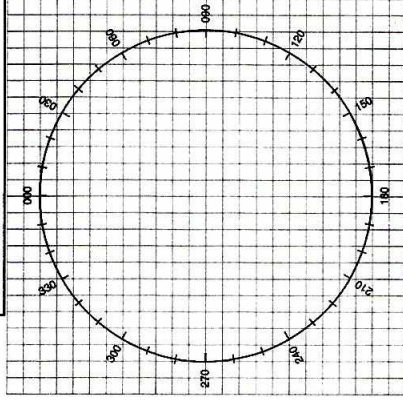
FS

CLEARANCES

FREQ	ALT	HDG	OTHER
			DET LAL, V 533 ORL
			AR6 HOBEE ADOOR
			TROUT 35 7130,
			3630 70W, MON 68W
			BNAAR, LUNAS, 44N 60W,
		444	(46 37N) 53 31W, YET
			K2NT 14730 C20M 5720
			C20X 7760

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 _____
E/W AT _____ Z _____

- HEADING _____ TRUE/MAG _____

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____
WE ARE A B-2 AIRCRAFT WITH
COMING ON BOARD

- WE ARE A P-3 AIRCRAFT
- NATURE OF EMERGENCY

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS

[illegible]