

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

FLT ID: 971109H	FM: KMCF	TO: KBFI
FLT NO: 98-006	BLK IN: 2132Z	ATA: 2126Z
ETD: 1300Z	DLK OUT: 1256Z	RTD: 1309Z
ETE: 2215Z	BLK TIME: 8.36 8.6	FLT TIME: 8.17 8.3
SPONSOR ORG: NESOL	PROGRAM: ADEOS / WINDOX	PURPOSE: FERRY.....

OAO PERSONNEL

AC PHILIPPSBURN, R ✓	SYS ENG MCNAMARA, R ✓
CP KENNY, P	DATA SYS PRADAS-BERNES, J ✓
NAV RATHBUN, D ✓	RADAR SMITH, J ✓
FE WADE, S ✓ MOORE, S ✓	BT/ODW MCWHIRTER, D
RADIO SANSSOULT, P ✓	CLD PHYS
FD CZYZYK, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
WILKERSON, J ✓	NE PI	NESOL
CHANG, P ✓	SCIENTIST	NESOL
DONNELLY, J ✓	C-SCOT	UMMS

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)
 BALANCE DATA 1405:30 - 1408:00

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

FLT ID: 971109H

TIME OFF: 1309Z

TIME ON: 2126Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1013.9	29.95	1011.1	29.89

NO

DATA DISPOSITION/DATE/QUALITY

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

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

[illegible]

FERRY TO SEATTLE

Flight #1 H971109

Sensor or system

Number or Name

INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	1
Altitude (for vertical wind)	Pressure Altitude
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2975.CON

Notes:

Dewpointer #1 (DW1) had a spike due to balancing and was replaced by DW2 from 1404:34-1410:01).

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1013.9	1011.1
Corrected tower pressure	1014.2	1012.2

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

9711094

142200, 0.1, -0.1	28	39.1	-87 42.7
150600, -0.3, <u>-0.3</u>	30	23.5	-90 57.3
155400, 0.1, -0.2	31	59.8	-94 38.4
164900, -0.7, 0.0	34	15.8	-98 50.1
174500, -0.8, 0.8	37	47.0	-102 23.6
182800, -0.9, -0.4	40	13.0	-105 52.0
191400, -1.2, 0.6	42	6.8	-110 34.9
201800, -1.2, -0.2	45	5.0	-117 4.9
212700, -1.6, 0.0	47	31.7	-122 18.3
213200, -1.6, 0.1	47	32.2	-122 18.3

TIME GAP

1322:11 - 1331:50 ✓
 1400:31 - 1405:30 ✓
 1414:51 - 1419:50 ✓
 1438:51 - 1448:30 ✓
 1512:21 - 1517:20 ✓
 1536:21 - 1546:00 ✓
~~1742:41 - 1747:00~~
 1745:41 - 1750:30 ✓
 1814:21 - 1819:20 ✓
 1828:41 - 1833:40 ✓
 1847:51 - 1907:10 ✓
 1931:01 - 1936:00 ✓
 1959:51 - 2009:30 ✓
 2028:31 - 2033:30 ✓
 2042:51 - 2047:50 ✓

APR PROB 2055:00 - 2107:00

DWI SPIKE DUE TO BALANCING REPLACE W/DW2 ~ 140501 - ~~1410:01~~ 1410:01 ✓


```

TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
FERRY TO SEATTLE
YYMMDDL FLT I.D.
971109H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
130401
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
213100
HHMMSS TAKE OFF TIME
130900
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
1
* -----LOGICAL UNIT OF INPUT DATA (I1) 5, 8 OR 9 FOR TAPE DRIVE
8
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (I1) [FOR STANDARD TAPE ONLY]
8
* -----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 CO3863.CON
CO2975.CON
*****

```

971109H

RENAV

132800, -0.1, 0.0	27	56.4	-83	27.1
142200, 0.1, -0.1	28	38.1	-87	42.7
150600, -0.3, 0.3	30	23.5	-90	57.9
155400, 0.1, -0.2	31	59.8	-94	38.4
164900, -0.7, 0.0	34	15.8	-98	50.1
174500, -0.8, 0.0	37	47.8	-102	23.6
183300, -0.7, -0.4	40	24.7	-106	23.1
191400, -1.2, 0.6	42	6.8	-110	34.9
201800, -1.2, -0.2	45	5.0	-117	4.9
213200, -1.6, 0.1	47	32.2	-122	18.3

DW1 SPIKE DUE TO BALANCING REPLACE w/DW2 1404:34 -1416:01 ✓

APR ^{NOT CORRECT} ~~1735:00~~ - 2007:00

FLIGHT WEATHER BRIEFING

PART I - MISSION / TAKEOFF DATA

1. DATE (YYMMDD) 971109	2. ACFT TYPE NO. P3 / 42	3. DEP PT/ETD KMEF 1300Z	4. RUNWAY TEMP 56/13 °F/C	5. DEWPOINT 44/07 °F/C	6. TEMP DEV +04 °C	7. PRESSURE ALT -25 FT	8. DENSITY ALT — FT
9. SFC WIND 0207 T	10. CLIMB WINDS 2925	11. LOCAL WEATHER WARNING/ADVISORY NONE			12. RCR DRY		
13. REMARKS/TAKEOFF ALTN FCST NONE							

PART II - ENROUTE DATA

14. FLT LEVEL 160/240	15. FLT LEVEL WINDS/TEMP SEE ATTN	
16. CLOUDS AT FLT LEVEL YES NO IN AND OUT		17. MINIMUM VISIBILITY AT FLT LEVEL OUTSIDE CLOUDS SMOKE DUST HAZE FOG PRECIPITATION NO OBSTRUCTION
18. MINIMUM CEILING FT AGL	19. MAXIMUM CLOUDS TOPS FT MSL	20. MINIMUM FREEZING LEVEL FT MSL
21. THUNDERSTORMS MWA / WW NO.	22. TURBULENCE CAT ADVISORY	23. ICING NONE
24. PRECIPITATION NONE	25. AIRDROME	

PART III - TERMINAL FORECASTS

25. AIRDROME	26. CLOUD LAYERS	27. VSBY / WEA	28. SFC WIND	29. ALTIMETER	30. VALID TIME
KTCM	FEW015 SCT035 BKN250	7+	0312618	2995 INS	2230 Z TO 2330 Z
DEST / ALTN	LGT TURBCL SFC-050			INS	Z TO Z
DEST / ALTN	T: 13°C PA: +295			INS	Z TO Z
KBF1	SCT020 SCT035 BKN250	7T	0412618	2992 INS	2300 Z TO 2400 Z
DEST / ALTN	LGT TURBCL SFC-050			INS	Z TO Z
DEST / ALTN	T: 14°C PA: +25			INS	Z TO Z
DEST / ALTN				INS	Z TO Z
DEST / ALTN				INS	Z TO Z

PART IV - COMMENTS / REMARKS

31. BRIEFED ON LATEST RCR FOR DESTN AND ALTN	32. REQUEST PIREP AT 344.6
33. REMARKS	

PART V - BRIEFING RECORD

34. WEA BRIEFED 1215	35. FLIMSY BRIEFING NO.	36. FORECASTER'S SIGNATURE OR INITIALS Re
37. VOID TIME	38. EXTENDED TO	39. WEA REBRIEFED AT
40. FORECASTER'S INIT	41. NAME OF PERSON RECEIVING BRIEFING	

