

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

FLT ID: 970219H	FM: EINN	TO: EINN
FLT NO: 97-026	BLK IN: 1158	ATA: 1152
ETD: 0300	BLK OUT: 0248	ATD: 0259
ETE: 1230	BLK TIME: 9.2	FLT TIME:
SPONSOR ORG: NOAA	PROGRAM: FASTEX	PURPOSE: SYS SURVEY

OAO PERSONNEL

IDP 17

AC KENNEDY, P ✓	SYS ENG LYNCH, T ✓
CP TAGGART, B ✓	DATA SYS McMICHAEL, S ✓
NAV STRONG, T ✓	RADAR BARR, J ✓
BT TORREY, R / WADE, S ✓	BT/ODW OFFUTT, D ✓
RADIO ROGERS, M ✓	CLD PHYS
FD WHITE, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
JORGENSEN, D ✓		NSSC
SHEPHERD, T ✓		"
WOOD, F ✓		CNRS
BOUSQUET, O ✓		"
FREDRICK, T ✓		NCAR

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

10-25W 02-16Z
 50-60N FL260
 1010.0
 1005.0
 0900 20023635 10h CGT R 500 SCT 1200 SCT 2100 BKN 11 10
 TEMP 0hN 500
 0711 FL060 no dng
 1030 20032846 10h 1800 SCT 2300 BKN 5000 OVC 17.19
 2400WY 10000 500
 TEM

PQ1M wingtip heater out
 " "

"D" 1100 20030643 9h LGT RAIN SCT 500
 BKN 2000 12 10 989.0
 TEMP BKN 200 MID TURB RWY 24
 300'

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

FLT ID: 97021914

TIME OFF: 0259

TIME ON: 1052

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1008.0	1010.0 1009.0	988.0	989.0

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	Y	2	
FAST FLT LVL TAPES	Y	3	
RADAR TAPES	Y	3	
DOPPLER TAPES	Y	3	
DDW CASSETTES			
HARD COPIES	Y	305	
AXBT			
AXCP			
ODW			

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS


```

TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
FASTEX IOP17 SYS SURVEY
YYMMDDL FLT I.D.
970219H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
025501
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
115800
HHMMSS TAKE OFF TIME
025900
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
11
* -----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
2
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
2
* ----- 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)
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
CO2971.CON
*****
CI>

```

FASTEX FLIGHT #11

FLIGHT #11 H970219

TYPE OF DATA

SENSOR OR OPTION

INE	2
Accelerometer	2
Temperature probe	1
Altitude change option (for vertical winds)	RA159
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 99
Constants file	CO2971.CON

Notes:

There were eight time/data gaps: 1059:01 1059:10 1059:31
 1059:40 1100:01 1100:10 1100:31 1100:40.

Radar Altitude (APN-159) patched from: 0259:51 - 0300:11,
 0311:01 - 0312:00, 1110:01 - 1120:00, 1153:01 - 1158:00.

The aircraft INE positions were renavigated with respect to GPS.

Downward spikes in radar altimeter data are a result of overflying land.

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.

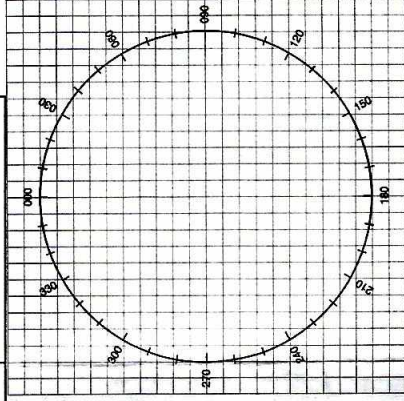
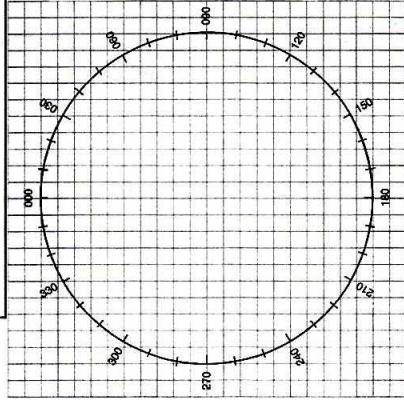
	Takeoff	Landing
	-----	-----
Aircraft static pressure	1008.0 mb	988.0 mb
Corrected tower pressure	1009.0 mb	989.0 mb

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

CI>

[illegible]

POSITION REPORT



6. NEXT POSITION

- WE HAVE _____ ENDURANCE REMAINING _____

[illegible]