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

FLT ID: 971119H	FM: KBFI	TO: KMCF
FLT NO: 97-010	BLK IN: 0251Z	ATA: 0241Z
ETD: 1830Z	BLK OUT: 1805Z	ATD: 1812Z
ETE: 0330Z	BLK TIME: 8:47 8.8	FLT TIME: 8.29 8.5
SPONSOR ORG: NESDIS	PROGRAM: ADEOS/WINDEX	PURPOSE: FERRY TO TAMPA

OAO PERSONNEL

AC PHILIPPSBORN, R	SYS ENG MCNAMARA, R
CP KENUL, P	DATA SYS PRADAS-BERGNES, J
NAV RATHBUN D	RADAR
FE Moore B. / WADE, S.	BT/ODW SMITH, J
RADIO SANS SOUCI, D	CLD PHYS MCWHIRTER, R
FD CZYZYK, S	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CHANG, P	P.I.	NESDIS
WILKERSON, J	SCIENTIST	NESDIS
DONNELLY, J	C-SCAT	UMASS

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PCNET, NHOP #)
VOR 2 OUT TO LUNCH ORDER
SWITCHED TAIL RADAR ASU
API-154 light out in cockpit.

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

FLT ID: 971119H TIME OFF: 1812Z TIME ON: 0241Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1001.6	29.60	1019.3	30.14

	NO	DATA DISPOSITION/DATE/QUALITY
1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	1	
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON		✓			
OFF					
RATE					

REMARKS

Form 413-50
- 63

9711194

TIME	LAT	LON	TK	HD	TA	TD	WD	WS	PA	GA	PS	SP	REMARKS	
181740	47 14	122 11	178	182	-2.6	-3.2	202	42.3	2225	1942	773.4	981.3	IN CLOUD	
183400	46 25	121 21	124	132	-25.1	-25.7	250	48.0	5803	3847	485.0	817.1	LEVEL 19K	
185330	45 26	119 25	128	133	-29.2	-29.6	256	28.4	6414	5456	445.7	900.2	21K CLOUDTOP	
195200	42 03	113 41	132	141	-21.9	-26.8	274	79.3	6408	4563	446.1	791.7	IN+OUT CLOUD	
202245	41 03	110 37	128	137	-25.6	-32.1	277	76.5	7028	4812	409.1	770.0	LEVEL 23K	
214830	35 26	102 52	97	94	-24.5	-44.9	289	57.0	7005	6120	410.3	893.0	CLEAR	
222845	26 52	94 34											START DESCENT	
234100	27 59	93 57	157	160	9.3	-33.8	294	22.8	2855	3019	713.2	1014.9	LEVEL 10K 5C BELOW	
001055	25 54	93 36	181	184	10.2	-42.3	296	16.7	2866	3042	713.1	1016.5	BUOY 42002	
~~003530~~											DOWN	RAD 22.2		
003530													BALANCE OPTR	
010050	25 54	89 42	88	87	8.6	-26.1	261	19.6	2863	3041	713.4	1018.4	BUOY 42001	
014345	25 54	85 54	91	89	8.1	1.5	285	25.8	2857	3029	713.9	1017.2	BUOY 42003	

FERRY TO MACDILL

Flight #5 H971119

Sensor or system	Number or Name
INE	2
Accelerometer	2
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 removed and patched 0035:00-0043:00.

	Takeoff	Landing
Aircraft static pressure	1001.6	1019.3
Corrected tower pressure	1002.4	1020.7

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

~~97~~11/19H ~~RENAV~~

RENAV

183600, 0.1, -0.1	46	20.0	-121	9.1
193900, 0.1, -0.6	42	51.7	-115	3.5
202700, 0.4, -0.5	39	46.7	-110	14.3
211400, 0.5, -1.3	36	21.3	-106	54.1
220000, 1.1, -0.8	34	14.3	-101	30.5
224900, 0.8, -2.0	31	54.7	-97	18.4
232600, 1.0, -1.4	29	6.4	-94	44.4
001100, 0.6, -2.4	25	53.7	-93	36.0
010000, 0.0, -1.7	25	53.9	-89	46.3
014400, -0.6, -2.6	25	53.8	-85	52.7
024500, -2.7, -2.9	27	51.6	-82	30.5

RA used

BPR OUT 1820:00 - 2006:00

? APR OUT 2329:00 - 2339:00

DAP OUT 1954:00 - 2328:30 REPLACE W/ PAF1 -2.0 ✓
2328:31 - 2339:30

DBP OUT 2310:00 - ~~[illegible]~~ 2333:14 REPLACE W/ PAF1 + 3.5 ✓

PSW SPIKE 0002:00 - 0002:30

~~QW PROB? 2351:00 -~~

QW SPIKE DUE TO BALANCING REMOVE + PATCH 0035:00 - 0043:00 ✓

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TITLE (MAX 21 CHARACTERS) -- EX  HURRICANE PAINE
FERRY TO MACDILL
YYMMDDL  FLT I.D.
971119H
HHMMSS START TIME    -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
180801
HHMMSS END TIME      999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
024500
HHMMSS TAKE OFF TIME
181200
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
5
* -------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
* --------- 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
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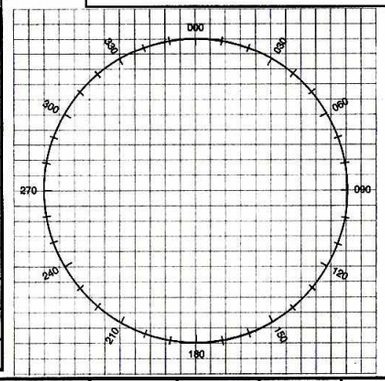
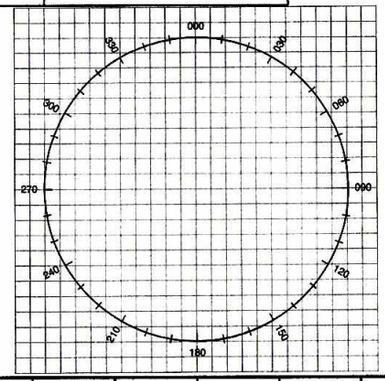
CLEARANCES			
FREQ	ALT	HDG	OTHER
			KENT 3 J5 INT J54
			BAKER ARR NT

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 P-3 AIRCRAFT WITH _____ SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION GPS	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1800																					ENG START
1805																					TAXI
1812																					TAKEOFF
1836	FM1	4618.6 12106.2	4618.4 12106.2	+.2 0	4618.6 12106.3	0 -.1			133	7L	126	309	248	42	FL180	259					
1939		4252.1 11502.4	4253.0 11504.2	+.1 -1.8	4252.0 11504.7	+.1 -2.3			138	8L	130	329	271	67	FL210	252					
2027		3945.4 11013.3	3945.0 11013.2	+.4 +.1	3944.9 11013.7	+.5 -.4			161	11L	150	342	277	73	FL230	279					
2114		3620.6 10651.9	3620.7 10652.1	-.1 -.2	3620.0 10653.2	+.6 -1.3			111	1L	110	366	287	61	FL230	279					
2200		3514.0 10129.8	3513.8 10129.3	+.2 +.5	3513.0 10130.7	+1.0 -.9			115	1L	114	358	286	52	FL230	280					
2249		3153.6 9717.2	3154.1 9717.3	-.5 -.1	3152.8 9719.2	+.8 -2.0			143	6L	137	360	285	64	FL230	280					
2326		2908.3 9445.8	2908.3 9445.1	0 +.7	2907.2 9447.2	+1.1 -1.4			155	6L	149	347	287	52	FL230	285					
0011		2553.5 9336.0	2554.1 9336.0	-.6 0	2552.9 9338.4	+.6 -2.4			184	3L	181	260	297	16	10K	230					MOT BUOY
0100		2554.0 8941.5	2554.3 8940.6	-.3 +.9	2553.9 8943.2	+.1 -1.7			087	1L	086	280	249	19	10K	232					MOT BUOY
0144		2553.8 8553.2	2554.6 8553.1	-.8 +.1	2554.4 8555.8	-.6 -2.6			090	1R	091	284	279	29	10K	229					MOT BUOY
0241		2751.0 8231.3	2752.2 8230.7	-1.2 +.6	2753.5 8234.1	-2.5 -2.8															LAND
0251																					BLOCK IN