

19911124H1-FDIR

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

FLT ID: H911124	FM: KMIA	TO: KMIA
FLT NO: 92-008	BLK IN: 0820Z	ATA: 0815Z
ETD: 0115Z	BLK OUT: 0109Z	RTD: 0116Z
ETE:	BLK TIME: 7:11~7:2	FLT TIME: 6:59
SPONSOR ORG: NESDIS	PROGRAM: ERS1	PURPOSE: FLT #3

OAO PERSONNEL

AC: TURNER	SYS ENG
CP: PHILIPSBORN	DATA SYS: RAIN
NAV: STRONG	RADAR
FE: BAST	BT/ODW: HANCHETT
RADIO	CLD PHYS
FD: DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
WILKERSON	PI	NESDIS
CARSON	C-SCAT	U-MASS

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

013642Z SYSTEM CRASH

013820Z SYSTEM UP

022200Z BALDPT

PRE -8.8

POST -9.4

023120Z OVR BUOY 42003

031800Z OVR BUOY 42001

040820Z OVR BUOY 42002

054830Z OVR BUOY 42002

062920Z OVR BUOY 42001

070720Z OVR BUOY 42003

LORAN NOT WORKING WELL
DURING TREK BACK TO MIA

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 DROWF2 FILE

FLT ID: H911124

TIME OFF: 0116Z

TIME ON: 0815Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	PS 1018.1 SP 1017.7	30.07/1017.7 CAL LAB 1018.0	PS 1016.6 SP 1016.3	30.05/1017.1 CAL LAB 1017.1

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

/

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXB T

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

ERS1 PROJECT

FLIGHT #3 H911124

TYPE OF DATA -----	SENSOR OR OPTION -----
INE	2
Accelerometer	2
Temperature probe	1
Altitude change option (for vertical winds)	RA
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO2913.CON

Notes:

There were three time/data gaps: 013641Z - 013830Z
014311Z - 014320Z
065511Z - 065520Z

The dewpoint sensor, TW1, was calibrated by this flight director during the time frame 022100Z - 022400Z. The spike generated from the calibration was removed and patched over.

The aircraft positions were renavigated with respect to good LORAN-C positions and the terminal error at flight's end.

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.

	Take off -----	Landing -----
Aircraft static pressure	1018.1mb	1016.6mb
Corrected tower pressure	1017.7mb	1017.1mb

Flight Meteorologist: A. Barry Damiano

H911124

TIME	LAT	LONG	TRK	HD	WD	WS	PA	GA	TA	TD	SP	PS		PQ
12000	2541	8007	250	251	181	6	1456	1581	16.8	9.1	1017.0	841.2	CLR	77.5
13600	2541	8123	274	275	260	13	3939	4157	2.3	-4.6	1014.9	621.3	CLR	86.2
14800	2545	8222	274	273	244	18	3938	4161	2.5	-9.5	1015.3	621.4	CLR	87.5
20000	2548	8321	273	272	256	23	3958	4180	2.3	-7.5	1015.1	619.8	CLR	90.0
21200	2552	8419	273	272	254	27	3930	4146	1.8	-8.3	1016.2	622.0	CLR	90.0
22400	2554	8517	272	270	248	26	3940	4153	1.9	-8.8	1015.2	621.3	CLR	87.5
23600	2556	8616	270	269	246	23	3929	4140	1.3	-9.6	1016.1	622.3	CLR	87.4
25200	2556	8734	270	268	240	24	3935	4145	1.3	-26.6	1016.6	621.7	CLR	84.4
30600	2556	8842	271	270	245	25	3915	4121	2.4	-26.1	1014.8	623.3	CLR	86.3
32200	2558	8957	279	277	248	29	3920	4128	1.6	-21.3	1016.5	622.9	CLR	90.3
33600	2607	9103	279	278	262	39	3905	4112	2.0	-26.0	1015.4	624.0	CLR	95.4
34800	2608	9159	264	265	266	40	2900	4104	2.1	-26.3	1015.5	624.5	CLR	95.8
40000	2601	9255	261	261	261	36	3914	4119	1.5	-26.0	1016.6	623.3	CLR	93.2
40820	2555	9336					BUOY	42002	Start	maneuver				
41400	2553	9401	266	267	264	35	3920	4130	1.4	-26.3	1016.8	622.9	CLR	95.4
42600	2610	9335	180	187	263	32	3916	4122	.7	-27.0	1017.6	623.2	CLR	95.0
43440			STOP				MANEUVER	OVER	BUOY					
44300	2554	9342	256	258	262	34	3929	4139	1.2	-26.7	1016.8	622.2	CLR	91.1
50500	2539	9527	261	264	272	31	3925	4135	.3	-27.4	1019.3	622.4	CLR	94.5
52100	2533	9618	92	92	279	27	3924	4137	-.9	-25.9	1020.6	622.5	CLR	95.5
53520	2542	9455	80	80	278	22	3926	4134	-.3	-27.4	1019.4	622.4	CLR	94.7
55000	2554	9329	83	83	282	16	3929	4134	0.0	-27.0	1018.4	622.0	CLR	96.0
62400	2557	9012	100	101	273	26	4008	4211	.7	-26.2	1015.7	615.6	CLR	95.8
164900	2552	8743	91	93	264	30	4039	4242	.9	-11.3	1014.0	613.3	CLR	92.6
70800	2551	8551	91	96	232	22	3986	4185	1.7	-7.4	1013.1	617.4	CLR	95.4
72500	2555	8414	91	94	186	12	4031	4238	1.1	-10.2	1014.5	613.9	CLR	95.9
73800	2551	8302	94	96	233	7	4045	4258	1.2	-7.4	1014.2	612.6	CLR	95.0
75200	2546	8142	92	94	245	10	3948	4155	1.6	-7.3	1014.8	620.5	CLR	96.9

N42RF ANALOG SOURCE/ADC CHANNEL ASSIGNMENTS

Hurricane season 1991

14 March 1991 JHR

revised 4 June 1991 JDuG

AS	PARAMETER	ADC	KCON	AS	PARAMETER	ADC	KCON
00	J-W Liquid Water	00	151	48	AXB T #1	48	199
01	Rsmt Total Temp #1	01	152	49	AXB T #2	49	200
02	Rsmt Total Temp #2	02	153	50	AXB T #3	50	201
03	Gen. East. Dewpoint	03	154	51	Up Pyro #1	51	202
05	Attack Pres. (AP)	04	155	52	Up Pyro #2	52	203
06	Dyn Pres - Attack (DAP)	05	156	53	Up Pyro #3	53	204
07	Sideslip Pres. (BP)	06	157	54	Up Pyro	54	205
08	Dyn Pres - Sslip (DBP)	07	158	55	Up Case Thermistor	55	206
15	PS1 - Wingtip Rmt 1281	08	159	56	Up Dome Thermistor	56	207
04	P01 - Wingtip Rmt 1281	09	160	57	Down Pyro #1	57	208
10	Surf. PRT-5 Radiometer	10	161	58	Down Pyro #2	58	209
14	Side Rad. Window Temp.	11	162	59	Down Pyro #3	59	210
09	Side (CO2) Radiometer	12	163	60	Down Pyro	60	211
13	Ice Rate Sensor	13	164	61	Down Case Thermistor	61	212
12	Vertical Accel. #2	14	165	62	Down Dome Thermistor	62	213
11	Vertical Accel. #1	15	166	63	Up PRT-5	63	214
		16	167	64	SFMR F1-4.630 GHz	204 64	215
		17	168	65	SFMR F2-5.915 GHz	205 65	216
		18	169	66	SFMR F3-6.771 GHz	206 66	217
17	PS2 - Copilot Rmt 1281	19	170	67	SFMR F4-7.200 GHz	207 67	218
18	P02 - Copilot Rmt 1281	20	171	68	SFMR F5-6.344 GHz	208 68	219
19	P03 - Copilot Rmt 1221F	21	172	69	SFMR F6-5.056 GHz	209 69	220
		22	173	70	SFMR TempA Base	210 70	221
		23	174	71	SFMR TempB Ref.	211 71	222
		24	175	72	SFMR TempD Antenna	212 72	223
		25	176			73	224
		26	177			74	225
		27	178			75	226
		28	179			76	227
		29	180			77	228
		30	181			78	229
		31	182			79	230
46	Radome Attack Press.	32	183				
32	Radome Sideslip Press.	33	184				
33	*Radome Diff. Press. (PQ)	34	185				
34	Radome Impact Press.	35	186				
35	Radome Air Temp #1	36	187				
36	Radome Air Temp #2	37	188				
37	Radome Air Temp #3	38	189				
38	Radome Box Temp	39	190				
		40	191				
		41	192				
		42	193				
		43	194				
		44	195				
		45	196				
		46	197				
47	Cabin Pres. Rsmt 1201F	47	198				

FILE: ADCN42_HU91.txt

1 FOUR (202, 10)