

M85083012 FDIR

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

FLT ID: 850831I	FM: KMIA	TO: KMIA
FLT NO:	BLK IN: 1000	ATA: 0953
ETD: 0000Z	BLK OUT: 2359Z	ATD: 0009
ETE: 94	BLK TIME: 0959	FLT TIME: 9:44
SPONSOR ORG: OHC	PROGRAM: RECCO	PURPOSE: H. ELENA

OAO PERSONNEL

AC Mandelkern / Ticknor	SYS ENG Schricker
CP Eilers	DATA SYS Dubranrut
NAV Schissel / Secretan	RADAR
FE Fleury	BT/ODW
RADIO Dacker	PHYS Leice
FD Parrish	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Willoughby	P.I.	HRD
Willis	C.R.	HRD
Camanche	Radar	HRD
Kohler	Radar	HRD
Leighton	Radar	HRD
Stu Claskin	Visitor	Aviation S.F. News

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

MD 1205 Get 0130, 03, 0430, 06, 0730, 09Z Fixes
~~Fix~~ Lower Fuse 100P whole Flight
 Fix 0135Z 28° 26' N, 85° 44' W 977mb 225/90 KT
 0257Z 28° 32' N, 85° 38' W 978mb 210/86 KT
 0418Z 28° 35' N, 85° 28' W 977mb 185/86 KT
 0557Z 28° 37' N, 85° 16' W 976mb 145/82 KT
 0718Z 28° 44' N, 85° 11' W 976mb 080/95 KT
 0835Z 28° 41' N, 85° 06' W 975mb 240/92 KT

25 RECCO, Vortex messages sent

6 penetrations → 6 vortex messages

PSR NG

RS NG AT BEGINNING

OF FLT & END

59

FINAL RUN 11/22/85

INER, TTL, AV2, FOR1, RA mod

FLT ID: 85083012 TIME OFF: 0009Z TIME ON:

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	15 1014	CAL LAB 1015.5 ACT 30.01		

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	13	HRD
DOPPLER TAPES	6	HRD
ODW CASSETTES		
HARD COPIES	2	
C.P.	22	HRD
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF	✓	✓	—		
RATE					

REMARKS

One doppler tape used for reflectivity

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
TICKNOR	SECRETAN	43	850830 234400	0008	MIAMI	31-AUG 1985	ELENA

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
2348	25-48.2	4	25-48.2	0.0	25-48.2	0.0	CHECKS.
	080-17.6		080-17.6	0.0	080-17.6	0.0	
1027		9	26-25.2		26-24.4		
			081-02.4		081-03.4		
1038	26-51.5	2	26-48.2	+3.3	26-46.6	+4.9	
	081-40.0		081-39.5	+0.5	081-41.9	-1.9	
0050	27-08.5	2	27-09.9	-1.4	27-07.7	+0.6	010116
	082-37.0		082-35.7	+1.3	082-39.4	-1.4	
0135		10	28-27.1		28-25.6		CENTER ✓
			085-46.4		085-45.7		
0159	29-46.0	2	29-42.4	+3.6	29-43.8	2.2	349/31 (PAR. CITY)
	085-34.0		085-32.4	+1.6	085-34.0	0.0	(PFN)
0257		10	28-27.3		28-30.3		CENTER ✓
			085-41.9		085-38.4		
0337	27-51.0	2	27-50.6	+0.4	27-55.4	-4.4	080/20 (ST. PETE)
	083-03.0		082-59.8	3.2	083-04.3	-1.3	(PIE)
0342	28-15.0	2	28-15.9	-0.9	28-19.9	-4.9	132/30 (ST PETE)
	083-06.0		082-59.8	4.2	083-05.4	+0.6	
0418		10	28-34.0		28-31.8		CENTER \$
			085-27.9		085-27.1		
0556		10	28-37.4		28-39.0		CENTER \$
			085-17.1		085-15.5		
0622	29-27.5	2	29-31.0	-3.5	29-32.7	-5.4	080/49 (CROSS CITY)
	083-55.0		083-56.9	-1.9	083-59.3	-4.3	

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT	TERMINAL ERRORS (2)(1) LAT LONG GS
INS 1					5	2343	1000	10+17	-13.2 +1.1 9
INS 2 OF IMII					5	2343	1000	10+17	-9.6 -3.3 3

ALIGN REMARKS:

OTHER REMARKS:

TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN
(6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL
(10) OMEGA - INERTIAL

[illegible]

0AO/SED-E&TSB FLIGHT PERFORMANCE LOG

TECH CREW: D4G/TLS

FLIGHT ID: 850831I

AIRCRAFT: N43RF

MISSION: HURRICANES 85 9 "1205" ELENA

TIME: (PRE-FLIGHT) 2130Z

(TAKE-OFF) 000856Z (LAND) 095304Z

SYSTEM				PRE-FLIGHT	IN-FLIGHT	POST-FLIGHT		
		ALIGN PI	AID			LAT	LON	GS
N	INE1	5	2/0	✓		-13.2	+1.1	9
A	INE2	5	2/0	✓		-9.6	-3.3	3
V	ONE			3) ✓				
	DOPLR			✓				
R	INTEGRATION (PRI'S)							
A	NOSE	N/A		✓		# TAPES: 0		
D	L/F	15 SW101M		✓ (1)	WVGD PRESS (5)	OFF		
A	TAIL	63 Doppler	201	✓ (2) (4)	PUMP ON? ✓ (6)			
R	DATA SYSTEM			✓		# TAPES: 13		
	DOPPLER			✓		# TAPES: 6		
TEMP	CAL HI	CAL LO	AMBIENT			CAL HI	CAL LO	
TEMP #1	30.5	-30.1	32.6			30.4	-30.0	
TEMP #2	30.9	-30.2	32.7			30.8	-30.0	
DEW POINT (CLEANED: Y/N)				20.8				
ATTACK ANGLE (AP/DAP)				✓				
SLIP ANGLE (BP/DBP)				✓				
ABSOLUTE PRESSURE (PS)				✓				
DIFFERENTIAL PRESSURE (PQ)				✓				
ROSEMOUNT PRESSURE XDCRS				✓				
RADAR ALTIMETER S/N: SW.2				✓				
J&W				✓				
SURFACE RADIOMETER				✓				
CO2 RADIOMETER				✓				
P	OAP2D-C			✓				
M	OAP2D-P			✓	8)			
S	FSSP-100			✓				
	DATA SYSTEM			✓	7)	# TAPES: 22		
ICE RATE DETECTOR				NI				
RAMS DATA SYSTEM				✓		# TAPES(SLO): 1		
CLEAN MAG TAPE HEADS				✓		# TAPES(FAST): 0		
EXTERIOR WALK-AROUND				✓ TLS				
ASDL				✓	250BS	# MESSAGES: 19		
HARDCOPY				✓		POWER OFF? ✓		
SCIENTIFIC POWER SYSTEMS				✓				
SFMR				✓ ?				
AXCP				NU				
P		RATE	(COUNTS)		ON	TIME	OFF	(COUNTS)
H	1) FORWARD	NI						
O	2) VERTICAL	NU						
T	3) LEFT SIDE	NU						
O	4) RIGHT SIDE	NU						
AXBT SYSTEM				NU				
ODW SYSTEM				NU				
AXBT EXPENDABLES:				# ON BOARD: 0	# DROPPED: NA	# GOOD: NA		
DROPSONDES:				# ON BOARD: 0	# DROPPED: NA	# GOOD: NA		
CUMMULATIVE ACCEL. (MELC)				#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)	
(LOG AT END OF FLIGHT)				8078	6679	5966	2892	

CPTFILE: FLOG3HUR85

CODE: - OPERATIONAL; X(#)(TIME) - FAILURE (NOTE);

NI - NOT INSTALLED; NU - NOT USED

USE REVERSE SIDE FOR NOTES.

REPORT COMPLETION OF PRE-FLIGHT AND INSTRUMENT STATUS TO FLIGHT DIRECTOR.

28.5N 86.00W

- ① TAIL ANTENNA CONTROL UNIT INSTALLED FOR LIF,
WHY IS NOSE ASEL (SPARE) BEING USED?
- ② RECEIVER WOULD SATURATE 3 SEC AFTER TURN ON.
- ③ ONE COMPUTER LITE - RELOADED TWICE, LITE & CHECKSUM ERROR AFTER 2 MIN.
REPLACED SN 4 WITH SN 7 - Replaced NAV altimeter
- ④ CABLES WERE SWAPPED ON PREVIOUS FLIGHT - BACK TO
NORMAL NOW.
- ⑤ LIF ANT FLOPS AROUND - SEEM TO SPEED UP
in AZI DURING SOME OF THE FLOPS - --??
SECURED UNIT 0042Z
- ⑥ REPAIRED RIT SWAP-1 TRIGGER BOARD - OK NOW.
- A) TAS AUTO CLOCK INOP.
- B) LOW EDV'S