

19850824II

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

FLT ID: 850814I	FM: KMIA	TO: KMIA
FLT NO:	BLK IN: 2300	ATA: 2257
ETD: 13Z	BLK OUT: 1310	ATD: 1320
ETE: 2 hrs	BLK TIME: 9:50	FLT TIME: 9:37
SPONSOR ORG: NHC	PROGRAM:	PURPOSE: RECCO

OAO PERSONNEL

AC GUNNOR	SYS ENG JARVI
CP MANDELKERN	DATA SYS THOMPSON
NAV ADAMS	RADAR BERLES
FE RICCI	BT/ODN DAVIS
RADIO CALVERT	CLERK ROBERT
FD Abeling	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
BLACK, P	PI	HRD
KOHLER	RADAR	HRD
GAMMACHE	RADAR	HRD
R. BLACK	PM S.	HRD
TATNALL	CAMERA	HRD

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

1526Z	25.27N	90.23W	1003	mb
1743Z	25.83N	90.50W	1002	mb
2044Z	26.70N	90.53W	998	mb

Spent's

59 FINAL RUN - 11/30/85
INER, TT1, AV2, FOR1, RA MOD

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

FLT ID: 850814I

TIME OFF:

TIME ON:

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1015.2	30.02	1014.9	30.00

NO

DATA DISPOSITION/DATE/QUALITY

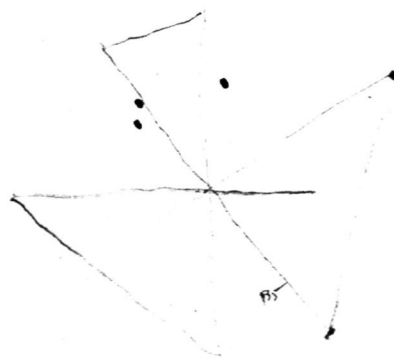
1/SEC FLT LVL TAPES	1	AT OAO
FAST FLT LVL TAPES		
RADAR TAPES	3	TO PI After MISSION
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
PM S	4	TO PI After MISSION
AXBT	none	
AXCP	↓	
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON	none			
OFF	↓			
RATE				

REMARKS

30.00



A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION KMA 25-48.2 80-17.6	DATE 14 Aug 1985	PROJ. NAME J. Danny				
GUNNOE	ADAMS	43RF	850814	131722							
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS				
130734	25-48.2 80-17.5	4	25-48.1 80-17.5	-1 0	25-48.1 80-17.6	-1 0	Block out				
131722	25-48.1 80-17.2	4	25-48.0 80-17.2	+1 0	25-47.9 80-17.3	+1 -1	T. OFF				
1447		9	25-28.9 87-18.6		25-28.4 87-19.0		ONE POSITION COMPARISON NO stations detected PI1=39 PI2=39				
1513		9	25-01.6 89-21.1		25-00.6 89-22.1		PI1=38 PI2=38				
152630		9	25-16.6 90-14.3		25-15.6 90-15.1		51				
155137		9	25-15.9 92-03.8		25-14.9 92-04.4		West Point				
1623		9	23-52.8 90-15.6		23-49.6 90-17.9		South Point				
164730		9	25-34.4 90-24.1		25-29.9 90-25.8		52				
1707		9	26-58.7 90-26.8		26-54.1 90-28.0		North Point South boundary W-92				
1720		9	26-53.3 091-27.3		26-49.1 91-29.0						
1743		9	25-50.0 90-30.7		25-44.3 90-34.5		53 TR out 140/90 PI1=36 PI2=36				
55/41852		9	27-26.1 89-31.9		27-18.1 89-34.5						
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.	Δ T (2)(1)	TERMINAL ERRORS		
									LAT	LONG	G S
INS 1		✓	✓	—	5	1245	2300	10.2	+7.7	+6.4	4
INS 2 or IMU		✓	✓	—	5	1245	2300	10.2	-1.8	+1.8	4
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											

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
1918		9	26-13.3 90-41.0		26-04.5 90-47.1		54
2002		9					South Pt
2041		9	26-37.1 90-44.0		26-251.1 90-52.5		55 Adjust to 26-20N) at 91-00W) 224
2119		9	26-41.7 88-11.2		26-28.6 88-20.3		End
2150		9	26- 85-		26- 85-		MINOW
2148	25-50 85-20	2	25- 81-		26- 84-		Fmy 259/246.5
2152	25-41 85-56	2	26-02.2 85-37.6	-21.2 +18.4	25-48.2 85-56.4	-7.2 +5.6	Fmy 257.5/229
2201		2	25-05.7 84-45.0		25-52.6 84-57.6		Key Wd 288/186.5
2215	25-43 83-45	2	26-17.0 83-28.9	-34 +16.1	26-03.7 83-40.9	-20.7 +4.1	MIA 266/180.5
2220	25-47 83-22.5	2	26-20.4 83-04.8	-33.4 +17.7	26-07.1 83-16.5	-20.1 +6.0	MIA 267/159 Update ONE'S
2230	25-52.5 82-20	2	25-56.6 82-18.3	-4.1 +1.7	25-56.3 82-17.8	-3.8 +2.2	MIA 268/101
2257	25-48.1 80-17.3	4	25-47.4 80-11.6	+1.7 +5.7	25-48.6 80-15.9	-1.5 +1.4	Land kmia
2301	25-48.2 80-17.6	4	25-47.5 80-11.2	+1.7 +6.4	25-49.0 80-15.8	-1.8 +1.8	Block in

0AO/SED-E&TSB FLIGHT PERFORMANCE LOG

TECH CREW: Thompson, JAGT, BERLES FLIGHT ID: 850814I
 AIRCRAFT: N43RP MISSION: HURRICANES 85 T.S. DANNY
 TIME: (PRE-FLIGHT) 0700 1100Z (TAKE-OFF) 1317Z (LAND) 2257Z

SYSTEM				PRE-FLIGHT	IN-FLIGHT	POST-FLIGHT		
		ALIGN PI	AID			LAT	LON	GS
N	INE1	5	52/20P	(2) ✓		+1.7	+6.4	4
A	INE2	5	52/20P	(2) ✓		-1.8	+6.8	4
V	ONE			(1) ✓				
	DOPLR			✓				
R	INTEGRATION (PRI'S)							
A	NOSE	N/A		✓		# TAPES: 0		
D	L/F	15		✓	WVGD PRESS			
A	TAIL	63		NI	PUMP ON? ✓			
R	DATA SYSTEM			✓		# TAPES: 3		
	DOPPLER			NI		# TAPES: 0		
TEMP	CAL HI	CAL LO	AMBIENT			CAL HI	CAL LO	
TEMP #1	+30.6	-30.0	+29.2			+30.4	-30.1	
TEMP #2	+31.0	-30.0	+29.6			+30.8	-30.1	
DEW POINT (CLEANED: Y/N)				✓				
ATTACK ANGLE (AP/DAP)				✓				
SLIP ANGLE (BP/DBP)				✓				
ABSOLUTE PRESSURE (PS)				✓				
DIFFERENTIAL PRESSURE (PQ)				✓				
ROSEMOUNT PRESSURE XDCRS				✓				
RADAR ALTIMETER S/N: SW-2				✓	(8)			
J&W				✓				
SURFACE RADIOMETER				✓				
CO2 RADIOMETER				✓				
P	OAP2D-C			✓	(6)			
M	OAP2D-P			NI				
S	FSSP-100			✓				
	DATA SYSTEM			✓	(5)	# TAPES: 4		
ICE RATE DETECTOR				NI				
RAMS DATA SYSTEM				✓		# TAPES(SLO): 1		
CLEAN MAG TAPE HEADS				✓		# TAPES(FAST): 0		
EXTERIOR WALK-AROUND				✓				
ASDL				✓	(7)	# MESSAGES: 20 OAS		
HARDCOPY				✓		POWER OFF? ✓		
SCIENTIFIC POWER SYSTEMS				✓				
SFMR				✓				
AXCP				NU				
UNEXPLAINED PHENOMENON					(9)			
P		RATE	(COUNTS)		ON	TIME	OFF	(COUNTS)
H	1) FORWARD		NI					
O	2) VERTICAL		(3) ?					
T	3) LEFT SIDE		NU					
O	4) RIGHT SIDE		NU					
AXBT SYSTEM				NI				
ODW SYSTEM				NU				
AXBT EXPENDABLES:				# ON BOARD: 0	# DROPPED: -	# GOOD: -		
DROPSONDES:				# ON BOARD: 0	# DROPPED: -	# GOOD: -		
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.

- ① WARN LITE AFTER SUPPUEL TURN ON. STATUS WORD #4 = 000D10
RECYCLED NAV SYSTEM AT 1126Z.
- ② INES WENT INTO A IDLE MODE - TCEALIGNING @ 1221Z.
- ③ HFD HASSELEAD INSTALLED.
- ④ ONE STATUS WORD #3 = 000014; WARN LITE, SUSPECT 400HZ
POWER TRANSIENT.
- ⑤ 1337Z - AUTO TAS CLK INUP.
- ⑥ 1337Z - CLOUD PROBE UPDATES IN CLEAR AIR.
- ⑦ ASDL TERMINAL NEEDS PRINthead CLEANED, ADJUSTED OR REPLACED.
- ⑧ 1650Z - RA NOISY, SWITCHED TO SYNCHRO.
- ⑨ ~ 2145Z LIGHTNING STRIKE OR LARGE STATIC DISCHARGE.
NO SYSTEMS SEEM TO BE AFFECTED AS OF NOW.