

19780828I-FAR

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RFC-1 WORK FORM (7-76)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N43RF	
				FLIGHT NO. 51-78	
				FLIGHT ID 780828I	
				DATE AUG 28, 1978	
TAKE OFF (City or airport) MIA / HOU		LAND (City or airport) HOU / MIA		ALTITUDE	
PURPOSE TROPICAL CYCLONE / STORM DEBRA					
PROPOSED TAKEOFF TIME:			PROPOSED FLIGHT DURATION:		
TIME IN: 2145 / 0345			TIME ON: 2136 / 0341		
TIME OUT: 1735 / 2230			TIME OFF: 1751 / 2245		
BLK. TIME: 4:10 / 0515			FLIGHT TIME: 3:45		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
WERLEY	NELSON	MICHIE	McRORY	SHEETS	LAHIFT
SALADIN	RICCI	BRUNSON		WIRFEL	HAWKINS
GENZLINGER	CICIRELY	DUGRANUT		MARTIN	NUNEZ
BERGNER		GOLDSTEIN		GRIFFIN	
PROPOSED MISSION LOW LEVEL RECON OF DEBRA AXBT DROPS ENROUTE ALONG 26°N AND NEAR INSTRUMENTED OIL RIGS.					
ACTUAL MISSION AND REMARKS AS PLANNED, LANDED IN HOUSTON TO REMOVE BROKEN HF ANTENNA 2100 & 0000Z FIXES TRACK 10 MILES OFF LOU. COAST, EYE ON COASTLINE.					
DATA COLLECTED AND REMARKS COMP#1 DOWN 031856 VP0324 2 DATA TAPES					

[illegible]

DMTR 2

[illegible]

FLIGHT 780828I
AIRCRAFT N43RT
DATE AUG. 28, 1978
DAY # 240

TOTAL REELS	
VTR	0
DMTR 1	4
DMTR 2	5

[illegible][illegible]

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Werley	Bergner Nelson	N43RF	780828	1751:40	KM1A N 25-48.3 W 80-17.6	28 Aug 1978	Storm Fury

TIME OF ENTRY	POSITION	TYPE	INERTIAL #1 POSITION	LAT LON COR'S	INS #2 /-2 POSITION	LAT LON COR'S	REMARKS
1727 1734	N 25-48.3 W 80-17.6		N 25-48.1 W 80-17.5	+0.2 +0.1	N 25-48.6 W 80-17.0	-0.3 +0.6	ENG TAXI
1751							Taxi
1818			N 25-43.1 W 81-54.1		N 25-43.4 W 81-56.4		AREAM: Marcy
1935	N 25-59.9 W 83-31.0		N 25-59.1 W 83-31.1	+0.8 -0.1	N 25-58.6 W 83-32.7	+1.3 -1.7	3H1 3H40 3H0 1370
1903			N 26-01.0 W 86-15.0		N 26-00.6 W 86-15.0		
1933	N 26-00.0 W 89-06.0		N 26-00.1 W 89-05.1	-0.1 +1.0	N 25-59.9 W 89-07.3	+0.1 -1.3	3H0 - 2750 3H3 - 2880
1932			N 26 43.8 N W 093 50.4 W		26 43.0 N 09.3 50.9 W		
2047	N 27-56.0 W 94-05.0		N 27-56.1 W 94-04.4	-0.1 -0.6	N 27-55.6 W 94 06.2	-0.6 -1.2	3H2 3340 3H3 2700
2109			N 28-47.1 W 94-12.7		N 28-45.7 W 94-12.9		STM CENTER Des. Holly Field. HOV. TX
2135			N 29-41-4 W 95-17.1		N 29-38.0 W 95-16.6		LAND HOLBY
2112			N 29-41.2 W 95-16.5		N 29-38.0 W 95-17.0		Checks Power handle 1A
2245			airborne 2246:12				Taxi Holly Return to Work Area

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS C-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS		
				ELAPSE ALIGN POST TIME					LAT	LONG	G S
INS 1	1635	—	—	—	5	1647	0349	11402	-10.7	+9.2	3
INS 2 or IMU	1635	30	Ω	—	5	1644	0349	11405	-1.8	+0.5	2

ALIGN REMARKS:

OTHER REMARKS: Power on during Taxi-out of Holly Field, TX

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

2729
1627

TT 32

4 AIN
5 LEV

[illegible]

FLIGHT PERFORMANCE LOG

DATE 29 AUG 78

FLT. TECH. DUG / McRey

MISSION STORM RECCO FL No 51/78 A/C N43 RF

TIME OUT _____

TIME RTN _____

SYSTEM	PRE-FLIGHT	IN-FLIGHT	POST-FLIGHT	
Nav INE1	✓	✓	✓	
INE2	✓	✓	✓	
ONE	✓	✓	✓	
DOPL	X	X	✓ OK	
Radar Nose	✓	✓	✓	
L-F	✓	✓	✓	
Tail	NI	✓	NI	
Data Syst.	✓ ①	✓	✓ ①	
RAMS	✓	✓	✓	
Sensors	✓ ②	✓	✓ ②	
Total Temp	✓	✓	✓	
Dewpoint	✓	✓	✓	
Attack Angle	✓	✓	✓	
Slip Angle	✓	✓	✓	
Absolute Pressure	✓	✓	✓	
Differential Press	✓	✓	✓	
Radar Altitude	✓	✓	✓	
J&W	✓	✓	✓	
PMS OAP-2DP	✓	✓	✓	
OAP-2DC	✓	✓	✓	
FSSP	✓	✓	✓	
Data Syst.	✓	✓	✓	
IPC	NU	NU	NU	
Foil Impactor	NI	NI	NI	
CO ₂ Radiometer	NI	NI	NI	
Microwave Radiometer	NI	NI	NI	
Surface Radiometer	✓	✓	✓	
Formvar	NI	NI	NI	
Photography	✓	✓	✓	
AXBT-- Tubes	✓	✓	✓	
Receivers	✓	✓	✓	
ODW	NI	NI	NI	
Seeder	NI	NI	NI	
Gust Probe	NI	NI	NI	
ASD	✓	✓ ③	✓ ③	

Code: ✓ - Operational; X(#) - Failure (note); NU - Not Used

NI - Not Installed

Notes:

① VIDEO RECDR DOWN

② CLO PHYS IFACE DOWN

③ NO DATA RECD @ NHC AFTER HOUSTON TAKE OFF

④ FREQ CONV #1 BUS ON Lamps out.

START CAL POST CAL

HI LO

HI LO

#1	30.4	30.2	30.2	30.1
#2	30.9	30.0	30.8	30.0