

19780916I1-FDIR

RFC FLT LOG

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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. 57-78	
				FLIGHT ID 780916I	
				DATE SEP 16/78	
TAKE OFF (City or airport) MIA			LAND (City or airport) MIA		ALTITUDE 1.5K SK
PURPOSE NHEML - CG - RESEARCH HURRICANE GRETHER					
PROPOSED TAKEOFF TIME: 2130Z			PROPOSED FLIGHT DURATION: 10HRS		
TIME IN: 0800Z			TIME ON: 0753Z		
TIME OUT: 2130Z			TIME OFF: 2144Z		
BLK. TIME: 10:30HRS			FLIGHT TIME: 10:09HRS		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
WINTERLEY	NELSON	DAVIS	FENNEL	GROSS	MILLOUGHAY
KENZLINGER	RICCI	BROWN	BRANCH	WIRFEL	PENABOND
NOBLE		D'ARMENT		PARADIS	HAUKINS
GERISH		MORRIS			POWELL
PROPOSED MISSION					
ACTUAL MISSION AND REMARKS					
AS PLANNED FIXES 0012Z 14038' 79031' 982MB 3000/75KTS XMTD 0120Z 14043' 79042' XMTD 0410Z 14049' 80016' XMTD 0531Z 14055' 80031' 981MB 1050/95KTS XMTD					
DATA COLLECTED AND REMARKS 1.5K ALT. TAPE 3000' DTA 110' L. 1.5K ALT. 1050' RADAR 0.00000 0.00000 0.00000					

NOV 7 REC'D

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Wiley	Grish	43	780916	21.44	MIA. 25 48.3 N 080 17.6 W	16 Sept 1978	Greta 9

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
2133	25 48.3 N 080 17.6	4	25 48.0 N 080 17.6 W	+0.3 0	25 48.0 N 080 17.9 W	+0.3 -0.3	BK OUT
2143	25 48.0 080 17.6	4	25 47.5 N 080 17.8 W	+0.5 -0.2	25 47.5 N 080 18.5 W	+0.5 -0.9	T/O MIA.
2235	22 22.5 078 47.0	2	22 21.1 N 078 46.2 W	+1.4 +0.8	22 22.3 N 078 46.6 W	+0.2 +0.4	PONTA. Alegre. OVER.
2304		9	19 40.5 N 079 00.1 W		19 42.2 N 079 00.7 W		
2340		9	16 42.5 N 079 34.6 W		16 43.9 N 079 35.3 W		
0039		9	14 35.4 N 079 30.7 W		14 36.3 N 079 31.3 W		9 Greta #1
0119		9	14 41.1 N 079 41.5 W		14 41.6 079 40.7		9 Greta #2 miles N off INS position.
0217		9	15 54.4 N 083 04.0 W		15 54.2 N 083 05.7 W		
0236	16 15.0 N 084 09.0 W	6/2	16 17.5 N 084 13.0 W		16 16.5 N 084 14.2 W		KADAR. NEAREST HAND BARPA PATICA. ADE ISIA Del EISNE S.W.A.
0258	16 16.5 N 084 07.5 W	6/2	16 15.7 N 084 09.4 W	+0.8 -1.9	16 14.5 N 084 10.6 W	+2.0 -3.1	" " "
0315		9	15 26.1 N 081 32.4 W		15 23.3 N 081 34.9 W		
0409			14 55.3 N 080 12.1 W		14 50.8 N 080 14.3 W		9 Greta #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.	Δ T (2)(1)	TERMINAL ERRORS		
									LAT	LONG	G S
INS 1	2039	N	N		5	2049	0759		-6.7	+2.1	5
INS 2 or IMU	2039	Y	Y		5	2049	0759	11+20	0.0	-0.7	0

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]

FLIGHT PERFORMANCE LOG

DATE 16 SEPT 78
MISSION GRETA
TIME OUT 214500

FLT. TECH. McRory / DuGranrut
A/C NABRF
TIME RTN _____

SYSTEM	PRE-FLIGHT	IN-FLIGHT	POST-FLIGHT
Nav INE1	✓	✓	✓
INE2	✓	✓	✓
ONE	✓	✓	✓
DOPL	NU	✓	✓
Radar Nose	✓ C	✓ ①	✓
L-F	✓	✓	✓
Tail	NI	NI	✓
Data Syst.	✓	✓	✓
RAMS	✓	✓	✓
Sensors	✓	✓	✓
Total Temp	✓	✓	✓
Dewpoint	✓	✓	✓
Attack Angle	✓	✓	✓
Slip Angle	✓	✓	✓
Absolute Pressure	✓	✓	✓
Differential Press	✓	✓	✓
Radar Altitude	✓	② ③ ✓	✓
J&W	✓	✓	✓
PMS OAP-2DP	✓	✓	✓
OAP-2DC	✓	✓ ④	✓ ④
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	✓	✓ ⑤	✓
ODW	NI	NI ⑥	NI
Seeder	NI	NI	NI
Gust Probe (MERCEY)	✓	✓	✓

Code: ✓ - Operational; X(♯) - Failure (note); NU - Not Used
NI - Not Installed

Notes:

- ① 2:15 into flight - COCKPIT RADAR DISPLAY OUT - SHORT RADIAL SPOKING CHANGED @ 20:30L (when advised off failure)
- ② COCKPIT 159 R₀ INDICATOR DISCONNECTED
- ③ 200' WARN LAMP BROKEN (COCKPIT)
- ④ DIODE LINE 9 OUT
- ⑤ CHART REPR MOTOR SOMETIMES WILL NOT START.

	START CAL		POST CAL	
	HI	LO	HI	LO
#1	30.2	30.1		
#2	30.7	30.0		

720916 I G R E T A

2130	OUT MIA
214428	OFF
2208	AT 19K
2303	BGN DESCENT
2318	AT 1.5K BGN PATTERN
0012	CENTER 14038' 79031' 982ME 300/75 KTS
0034	AT PT 2 60NM SSW CENTER
0101	AT PT 3 60NM ESE CENTER
0100	CENTER 14043' 79040'
0246	AT PT 4 300NM WNW CENTER
0410	CENTER 14049' 80016'
0435	AT PT 3 60NM ESE CENTER
0510	AT PT 2 60NM SSW CENTER
0531	CENTER 14055' 80031' 981MB 105/95KTS
0548	AT PT 5 60NM NNE CENTER BGN CLIMB
0606	AT 24K
0729	BGN DESCENT
075311	ON
0800	IN MIA