

14780902I.FDIR

RFC FLT LOG

1

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.

53-78

FLIGHT ID

780902I

DATE

SEP 2, 78

FLIGHT LOG

TAKE OFF (City or airport)

MIA

LAND (City or airport)

MIA

ALTITUDE

19K ENROUTE

1.5K PATTERN

PURPOSE

NHEML-CG-RESEARCH HURRICANE ELLA

PROPOSED TAKEOFF TIME:

0100Z

PROPOSED FLIGHT DURATION:

10HRS

TIME IN:

1115Z

TIME ON:

1115Z

TIME OUT:

0050Z

TIME OFF:

0104Z

BLK. TIME:

10:25HRS

FLIGHT TIME:

10:11HRS

FLIGHT PERSONNEL

OPERATIONS CREW

SCIENTIFIC CREW

VISITORS

TICKNOR

NUNN

DAVIS

DIAZ

MALONEY

WILLOUGHBY

SALADIN

BROWN

BLANCHARD

GRIFFEN

PENEBA

ADAMS

ZYSKO

DAKUR

MURCHIE

HAWKINS

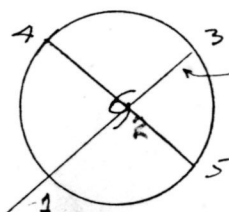
RICCI

MCNORTY

SALADIN

GROSS

PROPOSED MISSION



80NM

STORM TRACK 315°

1, 2, 3, 4, 1, 5, 3 AT 1000'

3, 2, 1, 2, 4, 2, 5, 2, 3, 2, 1, 2, 2 AT 1500'

3, 2, 1 AT 500'

PROVIDE 032, 062, 092 FIXES

ACTUAL MISSION AND REMARKS

1, 2, 3, 4, 1, 5, 3 AT 1500'

3, 2, 1, 2, 4, 2, 5, 2, 3, 2, 1 AT 1500'

0302Z 5 3119 7057 974MB WIND 130/54 NE QUAD

0553Z 5 3123 7314 981MB WIND 160/45 ENE QUAD

0645Z 5 3127 7316

0742Z 5 3128 7317

0829Z 5 3129 7318

0910Z 5 3132 7315 982MB WIND 105/48 NE QUAD

DATA COLLECTED AND REMARKS

1 STD A/C DIG TAPE, 2 HI DEN A/C DIG TAPES,

2 DMTR1 RADAR, 4 DMTR2 RADAR, PMS

PHOTO NOT USED

VTR INOP

NOV 7 1978

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION KMIA N25-48.3 W080-17.6	DATE 1 Sept 1978	PROJ. NAME E11A
TICKNOR	ADAMS	N43RF	780901	010337Z			

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
005206	N25-48.3 W080-17.6		N25-49.0 W080-17.5	-1.7 +1.1	N25-49.0 W080-17.1	-1.7 +1.5	Block out
010337	N25-48.1 W080-17.2		N25-49.2 W080-16.9	-1.1 +1.3	N25-49.2 W080-16.6	-1.1 +1.6	TOFF 9L
011745	25-42.3 79-17.7		25-43.7 79-17.1	-1.4 +1.6	25-43.7 79-16.6	-1.4 +1.1	MOT ZBV
024932			30-38.8 73-24.8		30-38.8 73-24.9		Begin 1st leg TK 040.3
034639	W074		32-37.7 73-00.2		32-37.6 73-01.2		
045900			30-22.1 71-52.6		30-22.1 71-52.9		
051320			31-18.1 71-23.2		31-18.4 71-23.5		
0527			32-15.8 71-19.6		32-15.8 71-50.4		Dr 300
0553			31-25.7 73-12.2		31-24.9 73-13.7		5
0648			31-28.5 73-13.4				5
0742			31-26.7 73-14.0		31-25.9 73-15.2		5
103630	26-18 78-07.5		26-17.1 78-04.2	+1.9 +3.3	26-16.9 78-05.2	+1.1 +2.3	240/72 ZBV

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS C-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS		
									LAT	LONG	GS
INS 1	235800	✓	✓	—	02	002340	111547	+113	-1.6	+1.1	0
INS 2 or IMU	235800	✓	X	—	02	002340	111547	11.3	-1.6	+1.2	1

ALIGN REMARKS: Action Code = 3 Altitude = 25 INS Performance: 020/020 Ti: 0300 c74020

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

2 FLIGHT PERFORMANCE LOG

DATE 9-X-78
MISSION STORMFURY "ELLA"
TIME OUT _____

FLT. TECH. MCRORY/ZYBKO
A/C N43RE
TIME RTN _____

SYSTEM	PRE-FLIGHT	IN-FLIGHT	POST-FLIGHT	
Nav INE1	✓	✓	✓	
INE2	✓	✓	✓	
ONE	✓	✓	✓	
DOPL	✓	✓	✓	
Radar Nose	✓	✓ ①	✓	
L-F	✓	✓	✓	
Tail	X NI	NI	NI	
Data Syst.	✓ ②	✓ ②	✓	
RAMS	✓	✓	✓	
Sensors	✓	✓	✓	
Total Temp	✓	✓	✓	
Dewpoint	✓	✓	✓	
Attack Angle	✓	✓	✓	
Slip Angle	✓	✓	✓	
Absolute Pressure	✓	✓	✓	
Differential Press	✓	✓	✓ ③	
Radar Altitude	✓	✓	✓	
J&W	✓	✓	✓	
PMS OAP-2DP	✓	✓	✓	
OAP-2DC	✓	✓	✓	
FSSP	✓	✓	✓	
Data Syst.	✓	✓	✓	
IPC	NI	NI	NI	
Foil Impactor	NI	NI	NI	
CO ₂ Radiometer	NI	NI	NI	
Microwave Radiometer	NI	NI	NI	
Surface Radiometer	✓	✓	✓	
Formvar	NI	NI	NI	
Photography	✓ NU	NI	NI	
AXBT-- Tubes 22ld.	cont ✓ OK ✓	✓	✓ 22 USED	
Receivers	✓	✓	✓	
ODW	NI	NI	NI	
Seeder	NI	NI	NI	
Gust Probe	NI	NI	NI	
AXBT INT LOADED 6 W/2		31 BTS TOTAL DROPPED		

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

Notes:

	START CAL	
#1	HI 30.1	LO 30.3
#2	30.8	30.2

	POST CAL	
	HI 29.8	LO 30.4
	30.3	30.5

- 0200L NOSE (COCKPIT) RADAR DISPLAY SCOPE DROPPED OUT - REPLACED WITH SPARE
- VTR DOWN
- MAY HAVE BEEN SOME MINOR DROPOUTS OR GLITCHES BUT NOT NOTED SPECIFICALLY BY FLT. DIR. OR SYST. OPERATOR

not

FLIGHT 780902I
AIRCRAFT 43
DATE 9/2/78
DAY # 045

TOTAL REELS	
VTR	
DMTR 1	5
DMTR 2	4

DMTR 1

[illegible]

DMTR 2

[illegible]

* U. S. GOVERNMENT PRINTING OFFICE: 1973-768-073