

19780929HI-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 N422F	
FLIGHT LOG		FLIGHT NO. 79-78	
		FLIGHT ID 780929H	
		DATE SEP. 29, 78	
TAKE OFF (City or airport) MIA	LAND (City or airport) MIA	ALTITUDE 14K-20K	
PURPOSE NHEML-CG-LOCUS			
PROPOSED TAKEOFF TIME: 1700Z		PROPOSED FLIGHT DURATION: 4-5 HRS	
TIME IN: 2100Z		TIME ON: 2054Z	
TIME OUT: 1715Z		TIME OFF: 1705Z	
BLK. TIME: 3:45 HRS		FLIGHT TIME: 3:29 HRS	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
GUNNOE		DAVIS	SIMS
PENRY		BRUNSON	
ROSE		CONNOR	
NELSON		FENNELL	
			WILLIS
			R. MARTIN
			PENEBAD
			LEWIS
PROPOSED MISSION TWRG CW PENETRATIONS			
ACTUAL MISSION AND REMARKS AS PLANNED 6 PENET. OVR LND 6 PENET. OVR WATR 4 WND CALIB			
DATA COLLECTED AND REMARKS 1 STD AIC DIG TAPE; 1 HIDDEN AIC DIG TAPE; 1 DMTR1, 1 DMTR2 LF + N RADAR; F, LS, RS CLD FILM; PMS. T RADAR INOP FOIL MALF			

NOV 7 REC'D

1

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
Gunnhee		Nelson		42		780929		17 24		MIA 25 48.3N 080 17.6 W.		29 Sept 1978		Locus	
CP Peapack															
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION		LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS							
1718	25 48.3N 080 17.6 W	4	25 48.2 080 17.5		+0.1 +0.1	25 49.2 N 080 17.1 W	-0.9 +0.5	BIK OUT MIA.							
1724	25 48.0N 080 17.6 W	4	25 48.0 N 080 17.8 W		0 -0.2	25 49.0 N 080 17.4 W	-1.0 +0.7	T/O MIA.							
1755	26 46.2 N 081 14.0 W	2	26 46.1 N 081 13.4 W		+0.1 +0.6	26 47.2 N 081 12.9 W	-1.0 +1.1	LADBEK 290/10 Vor Tac.							
1818 ₄₈		9/ 10	25 53.3 N 081 05.8 W			25 54.5N 081 05.3W		Cld #1 PASS #1 AIT 2998 Rad AIT. MIA 26.4/36 14,790							
1822 ₂₆		9/ 10	25 53.4 N 081 06.5 W			25 54.6 N 081 05.9 W		Cld #1 PASS #2. MIA 26.5/36 14,780							
1829 ₃₇		9/ 10	25 50.3 N 081 08.9 W			25 51.7 N 081 08.3 W		Cld #2 PASS #1. MIA 26.0/39 14,760							
1833 ₂₀		9/ 10	25 50.1 N 081 11.9 W			25 51.5 N 081 11.3 W		Cld #2 PASS #2. MIA 26.1/41 14,760							
1848 ₄₅		9/ 10	25 25.3 N 080 57.6 W			25 27.1 N 080 56.9 W		Cld #3 PASS #1 MIA 221/42 14,750							
1854 ₁₅		9/ 10	25 24.0 N 081 02.6 W			25 25.9 N 081 01.8 W		Cld #3 AIT Two PASS #2. MIA 224/46 14,710							
1950 ₃₅		9/ 10	25 50.3 N 079 01.4 W			25 52.4 N 079 00.6 W		Cld #4 PASS #1 H.S. ON 2995 MIA 094/78							
1956 ₁₄		9/ 10	25 48.9 N N 079 00.8 W			25 51.1 N 079 00.1 W		Cld #4 PASS #2 MIA 095/79 14,900							
2000 ₅₀		9/ 10	25 49.6 N 079 01.4 W			25 51.9 N 079 00.6 W		Cld #4 PASS #3 MIA 095/78 14,890							
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	1559	N	N		5	1640	2104	4.6	+1.3	+0.5	1.0.				
INS 2 or IMU	1559	Y	Y		2	1640	2104	4.6	10.3	+1.3					
ALIGN REMARKS: INS # NEW UNIT Installed															
OTHER REMARKS: NOTE - 2 A US															
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 29 SEPT '78
MISSION LOCUS
TIME OUT 1718

FLT. TECH. CONNOR / FENNELL
A/C N42RF
TIME RTN 2056

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

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

NI - Not Installed

Notes:

① FOIL TORN

NAV: LAT LON GS
1 +1.3 +0.3 1.0
2 0.3 1.3 1.0

RFC-3 WORK FORM
(7-76)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
RESEARCH FACILITIES CENTER
MIAMI, FLORIDA

PHOTO - OPTICAL STATION

FLIGHT ID

780929H

DATE

SEP 29, 78

INSTRUCTIONS: Make all entries in pencil. At Flight Termination give completed form to the Flight Director.
Mark all film cans with Flight ID, Type, and Number. All Times GMT (Z).

CAMERA	ON	OFF	ON	OFF	RATE	FILM USED (FT.)
FOREWARD	1715	2057			2 sec	
RIGHT SIDE	1715	2057			2 sec	
LEFT SIDE	1715	2057			2 sec	
VERTICAL	NI					

ELAPSED TIME COUNTERS

DIGITAL	COUNTER	DIGITAL	COUNTER	DIGITAL	COUNTER

REMARKS:

780929H LOCUS

1715 OUT VHA
172434 OFF

WIND CALIB

174650 - 174810 W
175620 - 175150 E
175300 - 175430 N
175630 - 175800 S

CLD PENET. OVR LND

C1P1 181842 - 181906
C1P2 182217 - 182243
C2P1 182933 - 183013
C2P2 183355 - 183414
C3P1 184842 - 184908
C3P2 185414 - 185453

CLD PENET. OVR WATER

C4P1 195020 - 195115
C4P2 195553 - 195627
C4P3 200040 - 200145
C4P4 200608 - 200656
C4P5 201119 - 201210
C4P6 201506 - 201556

WIND CALIB

201700 - 201830 S
202120 - 202250 N
202410 - 202540 W
202750 - 202920 E
205338 ON
2100 IN MIA