

19790226HI-FDIR

1

RFC-1 WORK FORM (7-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N42RF	
FLIGHT LOG		FLIGHT NO. 55-79	
		FLIGHT ID 790026H	
		DATE FEB. 26, 79	
TAKE OFF (City or airport) ABTL	LAND (City or airport) ABTL	ALTITUDE 1500', 3000', 5000'	
PURPOSE RESEARCH- CYCLONE WOSA			
PROPOSED TAKEOFF TIME: 0500Z		PROPOSED FLIGHT DURATION: 9:15	
TIME IN: 0910Z		TIME ON: 0902Z	
TIME OUT: 0500Z		TIME OFF: 0507Z	
BLK. TIME: 7:10 HRS		FLIGHT TIME: 6:55 HRS	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
TURNER	HUNN	CONNOR	OLIVER
WIERLEY	DAVIS		ZILLMAN
BERGNER	BROWN		FRANKS
CARBELL	DUCKENBURY		WHITEFIELD
			LOVEY
			COLEMAN
PROPOSED MISSION AT 1500' 1 → 2 → 3 → 4 → 5 → 5 AT 2000' 5 → 4 → 3 → 2 → 1			
ACTUAL MISSION AND REMARKS CENTER ON EMBARK 2. UNABLE TO DO LEG 2 → 4 NO PENETRATION AT LOW LEVEL - PENETRATED WALL CLOUD TWICE AT 5000 BUT DID NOT GET TO CENTER MAX WIND 90KTS 100M NE OF CENTER AT LOW LEVEL			
DATA COLLECTED AND REMARKS 1 STD A/C DIG TAPE; 5 RALPH TAPE; 1 CLE PHT TAPE; LS, RS, F C/D FILM			

FLIGHT PERFORMANCE LOG

DATE 790226
MISSION R05A
TIME OUT 0205

FLT. TECH. PGC/DG
A/C N42RF
TIME RTN 0902

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	✓	(5) 0730	
Attack Angle	✓		
Slip Angle	✓		
Absolute Pressure	✓		
Differential Press	✓		
Radar Altitude	✓	(2) 0545 (4)	
J&W	✓		
PMS OAP-2DP	INOP		
OAP-2DC	INOP		
FSSP	✓	(6) 0800	
Data Syst.	✓		
IPC	✓		
Foil Impactor	✓	(7) 0330	
CO ₂ Radiometer	✓		
Microwave Radiometer	✓		
Surface Radiometer	?		
Formvar	✓		
Photography	✓	(3) 0235	
AXBT-- Tubes	✓		
Receivers	✓		
ODW	✓		
Seeder	NI		
Gust Probe	NI		

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

Notes:

- (1) FOIL TORN - FRAME CNT 245
- (2) METER JUMPING / P.S. OVERHEATED - COOLED OFF OK @ 0600
- (3) RS CAMERA HANGING - UP INTERMITTENTLY
- (4) 0745 RA P.S. OVERHEATING AGAIN - TURNED OFF - BACK ON @ 0822
- (5) EXCESSIVE NOISE ON DEW POINT CHANNEL

ROSA

26/2/79

~ 20,000 FT

[1] DROPSONDE PTS

DROPSONDES

FREQ 1

SONDE (1, 2, 4, 6)

FREQ 2

(3, 5)

300°
RADIAL

[4]

(3)

60 NM

(5)

[2] 120 NM

120 NM

(2)

[3]

30-60 NM

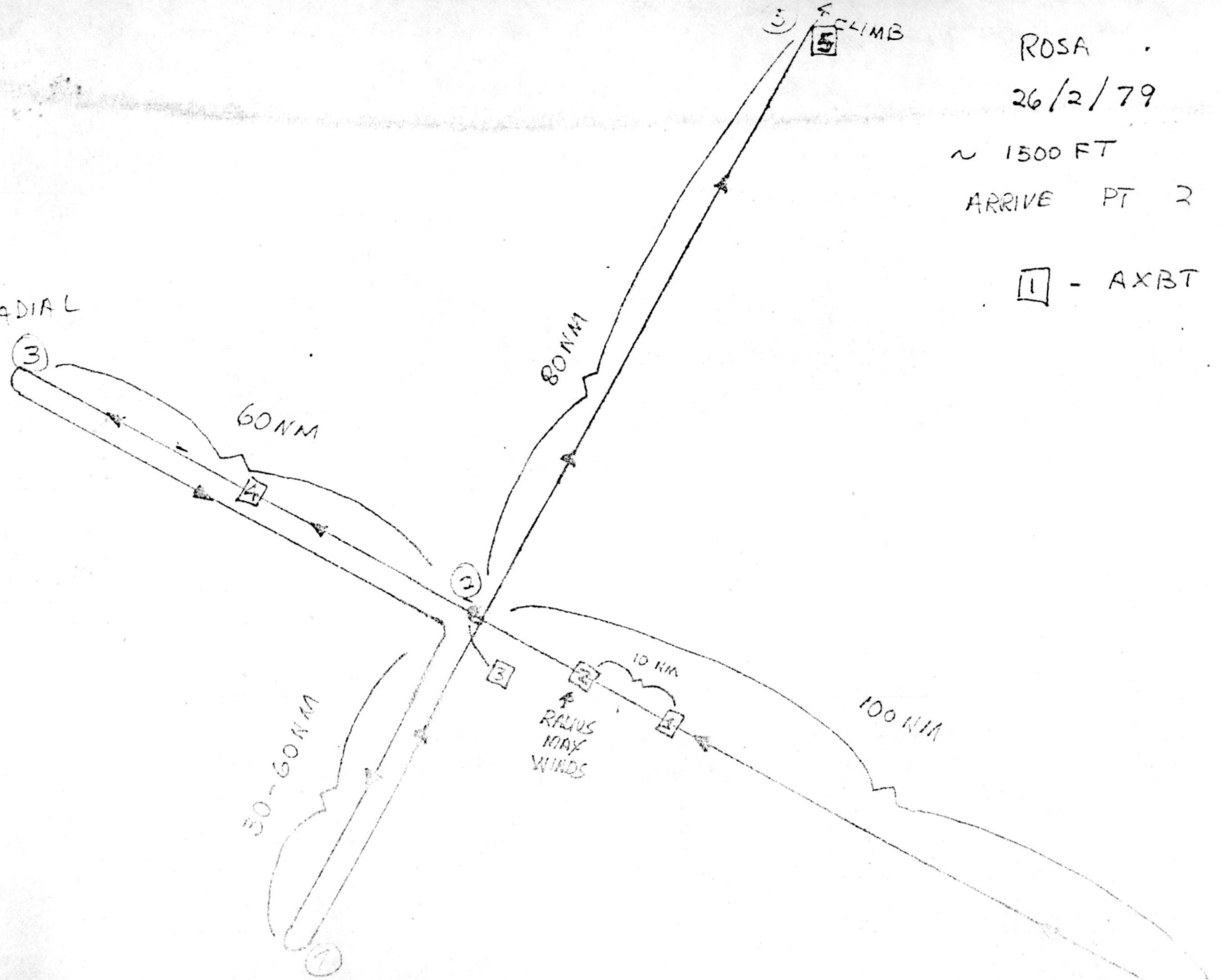
[5]

250 NM

(4)

ARRIVE PT 2 ~ 2:10 PM

300° RADIAL



A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION ATTL	DATE	PROJ. NAME
Turner	Bergner	N42RF	790226	0200:50	S 19-15.7 E 146-45.9	26 Feb 1979	Cyclone "ROSA"

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	INS #2 POSITION	LAT LON COR'S	REMARKS
0152 0200	S 19-15.7 E 146-45.9		S 19-15.7 E 146-45.9	0.0 0.0	S 19-15.7 E 146-45.9	0.0 0.0	Eng Tat 1
0200							Tot 1
0220	S 19-00 E 146-00		S 19-00.5 E 146-00.1	-0.5 -0.1	S 18-59.9 E 145-59.8	+0.1 +0.2	TL 289 OT / 46 DME
0321			S 17-34.3 E 140-52.3		S 17-33.0 E 140-50.8		ODW FL 165 streamer
0406			S 15-43.6 E 138-03.6		S 15-41.6 E 138-01.9		"Rosa" ashore est. eye GP. S 15-18.0 E 136-02.0
0522			S 14-08.8 E 137-09.5		S 14-06.0 E 137-06.7		FL 200
0630							Rosa" eye S 15-30 E 135-57
0652							Depart "ROSA" Dest: ATTL via NM/R-99
0735			S 17-01.4 E 139-34.5		S 16-57.1 E 139-29.9		
0902							Land ATTL
0909	S 19-15.7 E 146-45.9		S 19-17.6 E 146-49.1	-1.9 -3.2	S 19-15.0 E 146-44.1	+0.7 +1.8	Checks

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	0114	34	02		0	0141	0910	7409	-1.9	-3.2	1
INS 2 or IMU	0115	-	-		1	0141	0910	7409	+0.7	+1.8	2

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