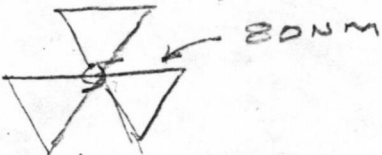


19810910 HL FDIR

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 NO. 42-81	
		FLIGHT ID 810910H	
		DATE SEP 10, 81	
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA	
		ALTITUDE SK	
PURPOSE NORTHERN RESEARCH HURRICANE GERT			
PROPOSED TAKEOFF TIME: 1030Z		PROPOSED FLIGHT DURATION: 10HRS	
TIME IN: 2045Z		TIME ON: 2039Z	
TIME OUT: 1055Z		TIME OFF: 1104Z	
BLK. TIME: 9:50HRS		FLIGHT TIME: 9:35HRS	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
TURNER	NUUN	DAVIS	JORGENSEN MARKS
MANDELBERG		DEVIVO	ZIPSER HOUZE
ROSE		PELLES MORGARTY	FEINBERG
ADAMS		CONNOR VOIT	WILLIS
PROPOSED MISSION LONG TERM MONITORING PATTERN			
			
42 HAS RECCO 122, 15Z, 12Z FIXES			
ACTUAL MISSION AND REMARKS AS PLANNED 10 PENETRATIONS - 5 FIXES YMTD 1230Z 23°28'N 74°20'W 1000MB 140°/55KTS 1456Z 24°01'N 74°30'W 1000MB 120°/60KTS 1645Z 24°02'N 74°31'W 998MB 125°/65KTS 1819Z 24°02'N 74°22'W 996MB 125°/68KTS 1918Z 25°04'N 74°22'W 996MB 175°/68KTS			
DATA COLLECTED AND REMARKS 1 STD FLT LVL TAPE; 11 RADAR TAPES; 14 CLD PHOTAPES; F, LS, RS CLD FILM USE INED TA 1			

810910 H S GERT

TIME	TK	LA	LO	RA	PA	D	TH	TD	WD	WS	SP	
1055	001	05	00	77	94	48014596	0	-10	273	05		
110338	001	05	00	77	94	48014596	0	-10	273	05		
1135	001	05	00	77	94	48014596	0	-10	273	05		
1145	001	05	00	77	94	48014596	0	-10	273	05		
1155	001	05	00	77	94	48014596	0	-10	273	05		
1201	001	05	00	77	94	48014596	0	-10	273	05		
1207	001	05	00	77	94	48014596	0	-10	273	05		
1214	001	05	00	77	94	48014596	0	-10	273	05		
1220	001	05	00	77	94	48014596	0	-10	273	05		
1227	001	05	00	77	94	48014596	0	-10	273	05		
1235	001	05	00	77	94	48014596	0	-10	273	05		
1250	001	05	00	77	94	48014596	0	-10	273	05		
1255	001	05	00	77	94	48014596	0	-10	273	05		
1300	001	05	00	77	94	48014596	0	-10	273	05		
1316	001	05	00	77	94	48014596	0	-10	273	05		
1322	001	05	00	77	94	48014596	0	-10	273	05		
1328	001	05	00	77	94	48014596	0	-10	273	05		
1335	001	05	00	77	94	48014596	0	-10	273	05		
1336	001	05	00	77	94	48014596	0	-10	273	05		
1352	001	05	00	77	94	48014596	0	-10	273	05		
1405	001	05	00	77	94	48014596	0	-10	273	05		
1418	001	05	00	77	94	48014596	0	-10	273	05		
1448	001	05	00	77	94	48014596	0	-10	273	05		
1531	001	05	00	77	94	48014596	0	-10	273	05		
1545	001	05	00	77	94	48014596	0	-10	273	05		
1633	001	05	00	77	94	48014596	0	-10	273	05		
1700	001	05	00	77	94	48014596	0	-10	273	05		
1718	001	05	00	77	94	48014596	0	-10	273	05		
1804	001	05	00	77	94	48014596	0	-10	273	05		
1816	001	05	00	77	94	48014596	0	-10	273	05		
1819	001	05	00	77	94	48014596	0	-10	273	05		
1844	001	05	00	77	94	48014596	0	-10	273	05		
1850	001	05	00	77	94	48014596	0	-10	273	05		
1909	001	05	00	77	94	48014596	0	-10	273	05		
1912	001	05	00	77	94	48014596	0	-10	273	05		
200400	001	05	00	77	94	48014596	0	-10	273	05		
201330	001	05	00	77	94	48014596	0	-10	273	05		
203901	001	05	00	77	94	48014596	0	-10	273	05		

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
TURNER	ADAMS	N42EF	810910	100341	N25-48.3 W080-17.6	10 Sept 1981	"GERT" 9

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
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1055M	N25-48.3 W080-17.6	4/1	N25-48.6 W080-17.5	-0.3 +0.1	N25-48.5 W080-17.6	-0.2 0	Block out
100341	25-48.1 080-17.4		25-48.4 080-17.0		25-48.4 080-17.1		TOFF
111828	25-48.3 79-17.7		25-40.0 79-12.4		25-39.9 79-12.5		MOT-2BY
113705	25-02 77-44		24-56.7 77-48.7		24-56.7 77-48.7		117/93 2BY
1209	24-13.5 75-22	4/1	24-13.9 75-22.3	-0.4 -0.3	24-14.0 75-21.9	-0.5 +0.1	Visual
123019			23-28.8 74-22.0	23-17 74-15			91 123030 fix
133528			23-38.6 74-24.8		23-38.5 74-23.1		92
134341	23-38.3 74-57.0	4/1	23-38.7 74-58.3	-0.4 -0.3	23-38.5 74-56.5	-0.2 +0.5	Visual
141730			23-49.6 74-27.1		23-49.3 74-24.0		93
145617	24-01 74-31		24-01.0 74-31.0		24-00.8 74-28.5		94
154500			24-09.0 74-30.9		24-09.5 74-27.0		95
163330			24-24.8 74-20.9		24-25.0 74-16.4		96

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.	ΔT (2)(1)	TERMINAL ERRORS		
									LAT	LONG	GS
INS 1	0954	✓	✓	—	0	102115	2045	10.8	-1.5	-11.2	5
INS 2 or IMU	0954	✓	✓	—	0	102115	2045	10.8	-1.4	+1.8	1

ALIGN REMARKS: Taxi stop - INS 1 has 1K+ RGS INS 2 = 0 ⇒ Will use INS 2

OTHER REMARKS: for position + steering.

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

