

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. 38-81	
				FLIGHT ID 810911I	
				DATE SEP 11, 81	
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA		ALTITUDE SK	
PURPOSE NHR2 - RESEARCH HURRICANE GERT					
PROPOSED TAKEOFF TIME: 1330Z			PROPOSED FLIGHT DURATION: 10 HRS		
TIME IN: 2305Z			TIME ON: 2301Z		
TIME OUT: 1305Z			TIME OFF: 1312Z		
BLK. TIME: 10:00 HRS			FLIGHT TIME: 9.49 HRS		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
MANDELKERN		DAVIS		JORGENSEN	
TURNER		DEVIYO		FEINBERG	
RICCI		BERLES		GOLDBERG	
ADAMS		CONNOR		ZONA	
PROPOSED MISSION LONG TERM MONITORING PATTERN					
ACTUAL MISSION AND REMARKS AS PLANNED - 6 PENETRATIONS - 3 XMTD FIXES 1515Z 29°41'N 71°20'W 994 MB 3100/59 KTS 1806Z 30°25'N 70°44'W 990 MB 1700/68 KTS 2015Z 30°41'N 70°21'W 988 MB 1800/80 KTS					
DATA COLLECTED AND REMARKS 1 STD PAT LVL TAPE; 2 RADAR TAPES; 9 CLD PHY TAPES; F, LS, RS, CLD PHY					

210911I

ME	TK	LA	LO	RA	PA	HT	TA	TD	WD	WS	SP
1305	OUT	MIA		TMP	78	ALT	20.05				
131015	OFF										
1347	0888	05 77	77 50	4815	4579	037	-1	-5	045	07	
1415	057	06 48	75 02	4832	4571	247	-1	-7	060	08	
	CK	DATA	AT	~	1410						
1431	063	07 07	73 57	4831	4524	244	-1	-7	055	11	
1438	062	DESCNT	TO	SK							
1443	030	07 95	72 26	1636	1545	92	18	12	064	12	019
1453	036	08 50	70 41	1630	1546	80	16	11	092	17	014
1501	037	08 95	70 02	1611	1547	62	17	11	004	04	011
		LOS	OPEN	N							
1506	030	09 05	71 78	1573	1544	24	17	14	095	20	006
		32	69		36	0175			210	30	
1515		16	31	1545	1547	-34	19	18	070	11	994
1518	180	04 09	71 04	1425	1552	-87	20	0	090	07	934
		090 41'	71 20'								9
1557	032	00 68	70 66	1622	1552	65	16	13	120	20	010
1550	139	30 66	71 99	1618	1562	53	16	12	080	14	011
1610		09 97	71 17	1492	1562	-64	20	18	022	02	922
		09 45	71 12	1491	1544	-74	22	15	000	11	912
1620		00 06	71 05						090	14	913
		090 57'	71 07'			1375					9
		09 64	71 94						030	35	
1634	031	09 00	70 30	1636	1560	180	18	12	033	05	
1655	066	30 06	69 78	1617	1550	1516	17	14	184	05	
		06	55						170	35	SFC 1500
		030									
1710		00 19	70 92	1467	1557	1360	23	16	360	02	991
		300 11'N	70 59'W								9
1750	011	09 45	71 38	1597	1546	1507	16	12	085	02	011
		16	08						SFC WAD	040	025
		02	79	1442	1509	1308			090	10	991
		09	70	1422	1541	1354			030	02	992
1806		02	70	1424	1539	1347	05	12	060	02	929
		300 05'	70 44'								9
1900		01	60	1413	1527	1344	06	12	040	04	929
		300 01'	70 26'								9
1857		00 70	70 63						070	40	
1904		00 08	70 42						085	30	
2000	071	30 67	69 12	1618	1562	1506	17	11	180	26	
		67	01						180	40	
						1345					988
2015		30 68	70 35	1043	1546	1340	23	13	240	01	
		300 41'	70 31'								9
205030	-5230	1406	018°	205330	-5730	1406	128°				
205830	-0030	1406	218								
230143	ON	MIA									

PILOT TURNER	NAVIGATOR ADAMS	A/C NO. N42	MISSION NO. 810911	TIME AIRBORNE 1312Z	LOCATION KMI4 N25-48.3 W080-17.6	DATE 11 Sept 1981	PROJ. NAME 'GERT' Ø
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TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
130447	N25-48.3 W080-17.6	A 1	N25-48.6 W080-17.7	-0.3 -0.1	N25-48.6 W080-17.7	-0.3 -0.1	Block out
131217	N25-48.1 W080-17.0	A 1	25-48.4 080-17.2	-0.3 -0.2	25-48.4 080-17.0	-0.3 0	TOFF
132650	25-42.3 79-17.7	2A 1	25-43.2 79-17.7	+1 0	25-43.3 79-17.5	0 +1.2	MOT ZBV
140958	26-14.5 75-24.5	2 1	26-16.0 75-23.9	-1.5 +1.6	26-15.9 75-24.5	-1.4 0	239/133 NAU
151442			29-38.8 ⁴¹ 71-21.8 ²⁰		29-38.8 71-21.2		Ø1
161105			29-58.4 71-11.4		29-58.3 71-12.1		Ø2
171001			30-12.3 70-58.2		30-12.3 70-59.8		Ø3
180625			30-25.5 70-43.9		30-25.7 70-45.3		Ø4
185946			30-32.8 070-37.2		30-32.4 70-38.9		Ø5
201525			30-41.0 70-19.9		30-40.8 70-23.1		Ø6 Weird
224605	25-24 79-17.8	2 2	25-22.4 79-17.0	+3.6 +1.8	25-23.0 79-23.3	+3.0 -5.5	BSy 288/49.5
230145	N25-47.7 W080-17.2	4 1	25-48.1 080-14.6	-1.7 +2.6	25-49.1 080-22.4	-1.7 -5.0	LAND

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	1245 1212	✓	✓	—	5	1257	2308	10.2	-1.4	+2.9	0
INS 2 or INS	1212 1245	✓	✓	—	5	1257	2308	10.2	-1.5	-5.1	1

ALIGN REMARKS: INS #1 RGS = 0 INS #2 = 1 pre takeoff. Use INS #1

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