

19810911 HZ - FDIR

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RFC-1 WORK FORM (7-76)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT NH2RF	
				FLIGHT NO. 44-81	
				FLIGHT ID 810911H	
				DATE 9/11/81	
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA		ALTITUDE 5K	
PURPOSE Long term monitoring of Hurricane Gert					
PROPOSED TAKEOFF TIME: 2140Z		PROPOSED FLIGHT DURATION: 10 HRS			
TIME IN: 0750		TIME ON: 0744			
TIME OUT: 2145		TIME OFF: 2154			
BLK. TIME: 10.1		FLIGHT TIME: 9.9			
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
GUNNOE		HAYDU	CALVERT	GRIFFIN	ANDERSON
GENZLINGER		PARADIS	DRESSLER	MARKS	PASSARELLI
NELSON		GOLDSTEIN	WILLOUGHBY	ZIPSER	
ROSE		JARVI	WILLIS	BARNES	
PROPOSED MISSION see enclosed plans from NHRL also 00Z, 03Z, 06Z fix requirements					
ACTUAL MISSION AND REMARKS					
 					
00Z	AT 0020Z	31° 25' N	69° 29' W	190/90KTS	989 MBS 1350m
03Z	AT 0231Z	31° 49' N	69° 05' W	240/80KTS	991 MBS 1366
06Z	AT 0500Z	32° 25' N	68° 35' W	240/70KTS	992 MBS 1373
DATA COLLECTED AND REMARKS					
1 slow tape			8 PMS tapes		
1 P/O			8 Radar tapes		
1 fast tape					

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0151

00202 FIX 31°25'N 69°29'W 90KTS 989MBS

Turning 0043

850/1350M

① → ⑤ 0044 - 010130

0059 330 32.55 68.4 16331554 14 14 137 18 1015 1533

⑤ → ② 010230 - 0123

0103 228 32.7 68.6 16311552 15 14 136 20 1014 1530

0107 209 32.5 68.7 16261555 15 12 135 212 1013 1521

0111 214 32.2 68.9 16051552 15 14 136 28 1011 1507

0113 214 32.2 69.0 16011552 15 13 135 30 1010 1494

0115 215 32.0 69.1 15871555 16 15 127 32 1008 1486

0117 210 31.95 69.15 15871554 16 15 115 29 1007 1476

0118 205 31.85 69.2 1557 1556 16 16 114 34 1006 1463

20 202 31.55 69.3 1510 1555 15 15 114 38 1001 1414

21 1551 18 18 125 22 989 1320

22 190 31.66 69.33 1550 106 11 23 14989 1352

31.351 69.18

59 36

60
15
300
20
500

989

CENTER FIX

850 HT

0123 31°34'N 69°18'W 80KTS 1352 989

run

② - ④ 0125 - 0145

run ④ - ⑦ 0146 - 0207

en route calibration

HDG 90 270/15.5

HDG 135 014730 - 4930 - (275/14.5
270/14HDG 45 015030 - 015430 - (270/13.5
265/14.5HDG 135 015530 - 015730 - (270/17.0
264/16

0159 80 30.3 69.1 16411553 16 13 230 18 1014 1538

⑦ - ① 0208 - 0231

03271

TIME	TK	LAT	LONG	RA	PA	TA	TD	WD	WS	SP	HT
0215	327	30.9	68.8	1618	1555	16	13	240	26	1011	5
0218	328	31.0	68.8	1607	1550	16	15	230	29	1011	1508
0219	328	31.1	68.9	1606	1556	17	14	235	29	1009	1499
0220	325	31.1	68.9	1600	SE	17	15	230	32	1009	1493
0221	326	31.2	68.97	1598	51	18	14	230	34	07	1481
0222	328	31.3	69.0	1567	1543	19	14	240	37	06	1465
0223	329	31.3	69.1	1563	1554	20	15	240	38	07	1451
0224	327	31.4	69.1	1544	1555	22	14	260	36	01	1434
25		31.4	69.1		1557	26	11			99	1403
		31.5	69.13	1544		997	99	2	13	27	
		31.6	69.1	1550		991	991			1370	
										66	
		31.72	69.12					20			
								29	13		
		31.75	69.19								
		31	49	69	05						
FIX AT	02312	31° 49' N	69° 05' W	80 KTS						850 41	
										1366	
0233	330	31.9	69.3	1521	1555	18	16	60	20	1000	1430
0235	330	32.0	69.4	1560	1550	16	16	75	20	1006	1429
0237	330	32.1	69.5	1580	1553	16	16	90	24	009	1426
0239	330	32.25	69.55	1591	1554	16	14	90	19	009	1414
run	② - ⑥	0233 - 0248									
		turn	0249								
		in route	calibration								
HD @	215		085111.5								
	260	025430 - 5630				080/7		070/7		060/7	
	170	025730 - 030130				050/8		043/8			
						040/8		033/8			
	260	030240 - 030440				26/8					
run	⑥ - ③	0249 - 0306									
run	③ - ②	0307 - 0328									

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TIME	TK	LAT	LONG	RAPA	TA	TD	WD	WS	SP	MT
044530	332	31.6	68.3	1606 1552	17	13	222	24	10	1505
0447	334	31.7	68.35	1598 1549	18	13	218	25	09	1500
49	310	31.8	68.4	1584 1549	16	16	225	30	8	1482
51	310	31.85	68.5	1578 1552	16	16	225	31	6	1472
53	315	31.9	68.6	1559 1552	17	16	230	32	4	1450
55	320	32.0	68.7	1530 1556	19	16	235	36	3	1419
57	338	32.1	68.8	1486 1553	22	16	257	17	3	1385

052 0500

24 14

99 2

32.33 68.83

32° 25' 68° 35'

FIX

AT 12/0500 32° 25' N 68° 35' W 70KTS 850 MT 1373 992 1465

0555	235	30.16	72.53	8345 7920	-22	-26	220	8		
0606	232	29.57	73.35	8340 7916	-22	-26	230	9		
0617	235	29.1	74.2	8336 7910	-22	-26	240	8		
0626	237	28.6	74.9	8342 7909	-22	-27	230	12		
0635	232	28.2	75.6	8340 7904	-22	-25	210	14		

USE

INF 2

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
GUNNOE	WELs	110AA 42	810911	2154.	N 25 48.8 W 080 17.6	11 Sept 81	IGERT

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
2144	N 25 48.3 W 080 17.6	4	N .2 W .5		N .2 W .5		
2154	N 25 48.1 W 080 16.2	4	N 10 W 2		N 10 W 2		T/O Rwy 27R.
2219	N 25 42.3 W 079 17.7	2 4	N 25 41.5 W 079 17.8		N 25 41.7 W 079 17.4		1 mile S of Isle - I only 130TH.
2241	N 26 52.5 W 077 31.0	4 9	N 26 53.2 W 077 32.8		N 26 53.3 W 077 31.5		CORNISH TOWN (ABACO)
0020		9	N 31 24.2 W 069 33.6		N 31 24.9 W 069 28.9		9
0124		9	N 31 32.2 W 069 22.8		N 31 34.3 W 069 17.8		9
0231		9	N 31 45.6 W 069 11.6		N 31 49.4 W 069 04.5		9
0328		9	N 31 59.6 W 069 00.6		N 32 02.9 W 068 49.2		9
0411		9	N 32 10.1 W 068 54.7		N 32 13.9 W 068 43.9		9
0500		9	N 32 19.7 W 068 50.1		N 32 25.1 W 068 34.7		9
0704	N 26 51.4 W 077 31.0	4	N 26 52.5 W 077 46.1		N 26 58.7 W 077 24.2		Cornish Town (Abaco)
0744	N 25 48.0 W 080 18.0	4	N 25 47.4 W 080 37.0		N 25 54.9 W 080 10.0		1st MEN. to Rwy 9L

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	2000	Y	-	-	0	2120	0749	10.5			
INS 2 or IMU	2000	Y	-	-	0	2120	0749	10.5			

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

[illegible]