19840911I1_FDR

RFF-10 WORK FORM (8 - 72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
RESEARCH FLIGHT FACILITY
MIAMI, FLORIDA

FLIGHT LOG

AIRCRAFT: N43RF
FLIGHT NO.: 71-84
FLIGHT ID: 840911I1
DATE: Sept 11 1984

TAKE OFF (City or airport)	LAND (City or airport)	ALTITUDE
KMIA	KMIA	5000 ft

PURPOSE: NHC-RECON DIANA

PROPOSED TAKEOFF TIME:	0100Z	PROPOSED FLIGHT DURATION:	10 HR
TIME IN:	1020	TIME ON:	1015
TIME OUT:	0057	TIME OFF:	0106
BLK. TIME:	9:23	FLIGHT TIME:	9:09

FLIGHT PERSONNEL

OPERATIONS CREW		WEATHER CREW			VISITORS
TICKNOR	BARNHILL	DARBY			WRIGHT
GENZLINGER	RICCI	SCHRICKER			BLACK
MEYERS	CALVERT	GOLDSTEIN			TATNALL
SCHISSEL		MORAN		BUNDEG	DORST

PROPOSED MISSION

09
03Z-06Z-12Z FIXS
AND THE ROTATING 4

ACTUAL MISSION AND REMARKS

AS PROPOSED
@ 0248Z 31°25'N 78°55'W SLP 977 MB WND 285°/80KTS
@ 0617Z 31°48'N 78°42'W SLP 973 MB WND 256°/96KTS
@ 0842Z 32°08'N 78°31'W SLP 967 MB WND 117°/100KTS
20 RECCO & MTD
6 PENETRATIONS

DATA COLLECTED AND REMARKS

RADAR TAPE 13
DOPPLER 8
SLOW 1
~~MESG~~ 20

CAL LAB 1012.5
ART 1013.2

RADAR, DOPPLER TAPE + 1/10 PO TO HRD

INE2

840911I1 DIANA

National Oceanic & Atmospheric Administration

FLIGHT PLAN

Research Facilities Center

PROPOSED T.O. 0100Z

ACTUAL T. O. 0106Z

RTE	TO	TEMP ALT	IAS TAS	TC	VAR	MC	W V	TH	MH	GS	Zone Time	Total Time	Total Dist	Proposed ETA	ETA ATA
	MIA 25-48.3N 80-17.6W														
D	FREEPORT VORTAC 26-33.3N 78-41.9W	5000'	250	061	3W	064	270 10	060	063	260	+24	24	98/98	0130	0134 / 0134
D	5 31-18N 79-12W	5000'	250	354	3W	357	270 30	347	350	245	H05	1+29	286/~~284~~	0235	0239
	B34 N25-40.3W80-10.7														

ATC CLEARANCE: CLRN AF TAXI → 27R ALT 29.94 TWR 118.3
CLRD T/O 0105

ENROUTE CLEARANCES: Hdg 290 ↑ 5000 MIA CNTR 127.2
CNT JAX 134.85

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
TicknoR	Schissel / BarnHill	N43RF	840910	010622	MIA N25-48.3 W80-17.6	10 Sept 84	Recon 5 Diana

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
005638	N25-48.3 W80-17.6	4	N 25-48.4 W 080-17.5	-.1 +.1	N 25-48.2 W 080-17.5	+.1 +.1	MIA Ramp Block out
010200	N 25-48.15 W80-16.25	4	N 25-48.4 W 080-16.2	-.2 ±0	N 25-48.1 W 080-16.2	±0 ±0	Rwy 27R APP. End Taxi way
013429	N 26-33.3 W 78-41.9	2/4	N 26-33.9 W 078-40.8	+.6 +1.1	N 26-33.3 W 078-41.5	±0 +.4	Freeport VOR INS QF= 053, 053
024835		10	N 31-25.5 W 078-55.2		N 31-25.4 W 078-55.3	#1 9	Diana CNTR #1 INS QF = 028, 028
031000		10	N 32-48.7 W 078-53.5		N 32-49.1 W 078-53.4	TP 3	LFT TRN → 225° INS QF = 028, 028
033733		10	N 31-21.7 W 080-33.1		N 31-20.9 W 080-30.5	TP 4	LFT TRN → 090° INS QF = 032, 032
040050		10	N 31-32.7 W 078-50.2		N 31-33.0 W 078-49.0	#2 9	Diana CNTR #2 INS QF = 034, 034
042706		10	N 31-30.6 W 078-49.7		N 31-33.8 W 078-52.4	TP 5	LFT TRN → 345° INS QF = 034, 034
043832		10	N 32-20.4 W 077-06.9		N 32-22.3 W 077-09.1	TP 1'	~~LFT~~ TRN → 240° INS QF = 036, 036
051406		10	N 31-420 W 078-50.6		N 31-38.9 W 078-48.4	#3 9	Diana CNTR #3 INS QF = 032, 032
053015		10	N 31-08.2 W 079-51.2		N 31-07.9 W 079-49.1	TP 3'	LFT TRN → 105 INS QF = 034, 034
054750		10	N 30-46.5 W 078-18.4		N 30-48.6 W 078-18.0	TP 4'	LFT TRN → 330 INS QF =

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	G S
INS 1	0014	Y	Y	—	5	002835					
INS 2 or IMU	0014	Y	Y	—	2	002835					

ALIGN REMARKS:

OTHER REMARKS: Hdg ✓ (Rwy 267.5) V= 267.7, 267.5 TAS ✓ @ 0147

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

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
061751		10	N 3150.6 W 078-40.6		N 31-47.6 W078-42.4	#4 9	DIANA CNTR#4 INS QF = 036, 036
063827		10	N 32-40.1 W 79-30.8		N 3236.0N W 79-29.5W	TP 5'	LFT → 225 INS QF=
064242		10	N 32-26.0 W 79-46.2		N 32-22.6 W 79-44.6	TP 1"	
065857		10	31-53.1 N 78-43.2 W		N 31-54.4 W 78-40.5	5# 5	
072804		10	N 31-08.3 W 76-54.5		N 31-11.0 W 76-54.7	TP 3"	
081800		10	33-18.8 77-31.9		31-16.3 7733.7	TP 41	INS QF 034, 034
084222		10	32-06.9 N 78-34.2 W		32-08.0N 78-31.6W	#6 5	
101849	25-44.2 80-17.6	4	25-48.9 80-15.5	-.7 +2.1	25.49.7 80-14.2	-1.5 +3.4	4, 5 #1 15 #2 0