

19810907HI - 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 N43RF	
				FLIGHT NO. 36-81	
				FLIGHT ID 810907I	
				DATE SEPT 07 1981	
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA		ALTITUDE VAR	
PURPOSE HURRICANE FLOYD					
PROPOSED TAKEOFF TIME: 102		PROPOSED FLIGHT DURATION: 10 HRS			
TIME IN: 1950		TIME ON: 1943			
TIME OUT: 0945		TIME OFF: 0955			
BLK. TIME: 10.1		FLIGHT TIME: 9:48			
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TICKNOR	COX	HAYDU	JARVI	WILLIS	
GENZLINGER	RICCI	PARADIS	WILLOUGHBY	FENNELL	
MANDELKERN		DARBY	GRIFFIN		
SCHISSELL		GOLDSTEIN	WIGGERT		
PROPOSED MISSION					
  race tracks 10K, 15K, 20K					
ACTUAL MISSION AND REMARKS					
 3 race tracks and one run (10, 15, 20K) 30 NM to the south and back					
DATA COLLECTED AND REMARKS					
10 RADAR TAPES 1 SLOW TAPE 26 PMS TAPES					

152 40

NOAA FORM 59-4
(2-72)

30
27

70
67

28.60
64.20

70 →

64 150 CDR W-5

TIME	LAT	LONG	HD	T	TD	WD	WS	PS	RA	PA		
1023	25.75	78.2	87	-2	-12	260	26	524	5482	5238		
1101	26.4	75.2	60	-5	-16.5	230	46	480	6168	5865		26
1125	27.5	73.0	80	-4	-22	250	48	481	6171	5859		30
1137	27.7	72.0	80	-5	-28	260	50	481	6164	5855		30
1151	27.9	70.5	81	-4	-36	265	56	486	6063	5748		30
1158	28.05	69.85	070	-5	1	274	50	610	4254	4052		30
1201	28.1	69.5	070	10	3	277	56	675	3422	3263		30
1203	28.2	69.3	070	12	8	295	54	675	3177	3058	320	050
1205	28.2	69.1	070	12	10	296	55	706	3028	2957	40	050
1207	28.31	68.96	060	14	9	291	28	704	3032	2972	50	
1209	28.35	68.88	045	13	11	290	30	701	3070	3021		
1211	28.43	68.75	050	16	12	310	26	696	30	3044	983	984
1213	28.47	68.6	055	20	7	28	19	692		3084	972	976
1215	28.6	68.5	010	18	8	150	20	692			976	978
1219	28.6	68.67	180	14	13	90	60					
1221	28.3	68.6	360									
1222	28.49	68.6	360	21	7	227	20	692	3041	3102	970	975
1226	28.54	68.47	360	20	65				2941		970	
12	57	49							2935			

3001

29

2999

23

28.43

68.56

2972

2950

1224 28.20 68.30 000/100

975

1303 turning to track 180 back thru eye

13 SYS DOWN 2

(315) heading

3160

HT
2945

2980

PS
069

WD

WS

TD

1338 SYS DOWN

20

3050 6

1408 29.5 68.5 360 11 7 110 18 709 3025 2915

2860

968

14562 (29.80 68.26)

2884

10
145628.48
68.16KJH
17.901
08.11 08.12

1535	30.15	68.24	183	-3	-2	090	10	570	4824	4594
1544	small openings in eye at NE and									
	29.20	29.08	68.15							
1620	29.50	68.14	003	-11	-11	103	20	463	6393	6137
1624	north of eye wall turning back									
	to TRK 180° at 20,000									
1646	29.04	68.06	260/23	20	5	2890		969	991	

17 3050 outside
eye28.94 68.09
55-60

20-5

29.11

68.14

966

-966

57-60

28.95

68.10

$$\begin{array}{r} 60 \\ .11 \\ \hline 60 \\ 60 \\ \hline 660 \end{array}$$

$$\begin{array}{r} 60 \\ .14 \\ \hline 240 \\ 60 \\ \hline 8.40 \end{array}$$
2872 LOW
STAND
HT

30	50
15	25
7.5	12.5

N
D

29.16

68.11

En Route calibration
Present HDG 250

HDG 295	180220 - 0420
HDG 205	180540 - 0940
HDG 295	181100 - 1300

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Ticknor	Cox	43			M4 ↓ Floyd	810907	Huron- Floyd

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
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0942	N 25-48.2 W 080-17.6		✓		✓		Ramp
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093500			N 25-48.1 W 080-17.2		N 25-48.0 W 080-17.3		T.O.
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1020							#1 IWS #1 032 agree w/ Doppler lat #2 065
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1224			28-31.5 068 33.2		28-31.7 068-33.8		Center of Floyd.
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1226			28-32.3 068 28.7				
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1225			28-32.0 068-30.0 #1		Call Center of 5		Center 3
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			28-32.0 066-00.0 #2				
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			29-32.0 068-30.0 #3				
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1314			28-40.5 068-27.4 #4		28-40.8 068-28.1		Center 5
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			28-40.5 068-27.4 #1		Waypt.		/9.5 Kts
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			27-40.5 068-27.4 #2				
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1356			28-42.0 068-30.5 #1		6 Kts		Center 5
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SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	Δ T (2)(1)	TERMINAL ERRORS		
				ELAPSE ALIGN POST TIME					LAT	LONG	G S
INS 1	091600	✓		✓	5	0926	1949	10+23	-0.9	+2.0	0
INS 2 or IMU		✓		✓	✓	✓	✓		-0.7	-0.3	1

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]