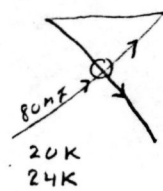


19780901H1-FDIR

RFC FLT LOG

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. 73-78	
				FLIGHT ID 780901H	
				DATE SEPT 1 1978	
TAKE OFF (City or airport) MIA		LAND (City or airport) MIA		ALTITUDE 20-24K	
PURPOSE HURRICANE ELLA RESEARCH					
PROPOSED TAKEOFF TIME:		1700Z		PROPOSED FLIGHT DURATION : 10 HR	
TIME IN:		0315Z		TIME ON : 0310Z	
TIME OUT:		1705Z		TIME OFF : 1716Z	
BLK. TIME:		10:10		FLIGHT TIME : 9:54	
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TURNER	GERISH	DARBY	FENNELL	SHEETS	PARADIS
GENZLINGER		BRUNSON		KELLER	DATZMAN
BARNHILL		ROSSBY		MERZER	HELLER
CICIRELLI		CONNOR		WIRFEL	LABATO
PROPOSED MISSION					
 					
ACTUAL MISSION AND REMARKS					
DATA COLLECTED AND REMARKS					
1 STD DATA TAPE CLD FILM					
2 FAST DATA TAPE					
RADAR TAPES					

NOV 7 REC'D

1

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Turner	Gorish	N42 RF	0406 ELLA	1717	MIAMI	1 Sept. 7	Hurricane Ella

TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
1701	25 48.3 80 17.6		25 48.7 80 17.1	-0.4 +0.5	25 48.7 80 17.6	-0.4 0.0	Block Out ACDC
1717	25 48.0 80 17.6		25 48.5 80 17.3	-0.5 +0.3	25 48.5 80 17.3	-0.5 +0.3	T.O
1851			36 32.3 73 17.8		30 32.1 73 17.0		D ₂
1903	11 01		31 07 72 26				Wind 40 kt Max in Wall Eye Center
1932 90			31 41.0 73 04.6		31 41.0 73 04.9		D ₃
1940			31 09.3 72 27.9		31 09.1 72 28.3		Eye Center
2001			30 23.7 071 34.1		30 23.2 71 34.4		D ₅ Drop delayed due to precip.
2032			31 10.8 72 29.4		31 10.4 72 29.6		Eye Center 125 3410 Max Wind 9
2111			31 15.0 72 33.3		31 14.8 72 34.2		Eye Center Drop
2135			31 13.7 72 34.2				Eye Center
2249			31 13.4 72 36.2		31 13.3 72 36.4		Eye Center
0035			31 18.3 72 42.3		31 18.2 072 43.2		Eye Center

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS C-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2X1)	TERMINAL ERRORS		
									LAT	LONG	GS
NS 1	1600	Y	Y		2	1634	0315	10.7	-0.9	+0.6	1
S 2 or IMU	1600	Y	Y		1				-0.8	-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]

15M

780901H

TIME Z	LAT	LONG	PA	RA	T	Td	WD	WS	WS	500 MB							
1716	OFF	KMZA															
1745	26.8	78.4	5810	6148	-9.1	-26.8	087	3.7									
1815	28.5	76.2	5812	6158	-8.6	-23.8	358	4.1									
1830	29.4	74.9	5866	6152	-7.0	-25.0	232	27.1									
1846	30.3	73.7	5854	6129													
1850	30.5	73.3	5882	6125			SYS DOWN										
1903	31°01'	72°26'															
1930	31.8	73.15	6117	6435	-9.3	-22.7	030	22.0									
1932	31.7	73.06															
1941	31.1	72.4			-0.9	-10.7	237	06									
2000	30.38	71.41	6137	6466	-10.2	-11.4	216	14									
2001	30.39	71.58	6133	6454	-12.8	-10.1	252	11									
2015	30.45	72.76	6138	6444	-11.4	-14.1	315	22									
2030	31.08	72.59	6181	6264	-7.7	-6.2	310	51									
2032	31.18	72.48	6111	6148	-0.7	-9.4	212	10	5551								
2046	32.00	71.66	6122	6458	-8.6	-15.4	117	19									
2100	31.70	73.30	6130	6450	-10.1	-13.2	031	20	5863								
2111	31.24	72.52	6123	6153	-1.3	-10.6	154	07	5549								
2116	31.23	72.05	6118	6420	-8.4	-9.6	184	24	5862								
2130	31.53	72.62	6100	6336	-7.4	-11.3	058	37	5767								
2134	31.23	72.56	6113	6155	-1.1	-11.3	256	02	5548								
2146	31.25	73.12	6132	6412	-11.1	-12.1	006	31	5822								
2200	30.77	72.80	6153	6438	-10.0	-12.9	309	29	5824								
220131	30.64	72.61	6154	6448	-10.1	-11.2	274	22	5827								
2215	31.40	72.11	5515	5744	-4.9	-6.0	159	23	5808								
2233	30.76	72.47	5515	5742	-5.6	-5.7	275	27	5882								
2245	31.25	72.24	5486	5690	-4.3	-4.9	180	29	5766								
2249	31.21	72.65	5489	5483	3.0	-7.6	337	05	5577								
2300	31.21	73.53	5521	5795	-5.2	-9.3	003	25	5855								
2321	30.68	73.82	5516	5815	-6.6	-11.4	346	19	5877								
2331	30.36	73.90	5502	5803	-6.7	-15.3	335	16	5880								
2345	30.52	73.54	5190	5529	-4.8	-7.6	327	23	5932								
2358	31.22	72.67	5260	5234	-4.9	-6.4	207	13	5597								
0002	31.10	72.31	5226	5435	-3.7	-3.6	215	24	5820								
0015	31.73	71.87	5202	5580	-3.5	-5.5	132	20	5928								
0030	31.61	73.03	5194	5417	-1.2	-6.4	050	30	5810								
0032	31.47	72.90	5226	5573	-0.3	-8.1	048	41	5730								
0035	31.31	72.71	5173	5227	4.5	-5.3	146	16	5603								
0039	31.12	72.47	5200	5387	-3.5	-2.6	219	30	5792								
0102	29.80	72.47	51.97	5493	-6.1	-7.7	275	16	5891								
0115	30.12	73.12	5196	5483	-4.8	-10.7	302	18	5877								
0130	30.31	73.97	5187	5412	-4.8	-7.5	330	15	5892								

AF FAX 2255Z 31°15' 72°36' 959 MB MAX WINDS 110 KTS

3

INSTRUCTIONS: Make all entries in pencil. At Flight Termination give completed form to the Flight Director. Mark all film cans with Flight ID, Type, and Number. All Times GMT (Z).

ELAPSED TIME COUNTERSREMARKS:

REMARKS: 1745Z FWD CAMERA INTERMITTENT TAKE-UP

DMTR 1

FLIGHT 780901
AIRCRAFT 42 C
DATE 1 SEPT
DAY # 244

TOTAL REELS	
VTR	3
DMTR 1	6
DMTR 2	3

[illegible][illegible]