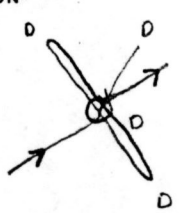
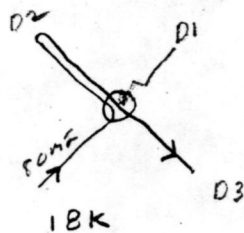
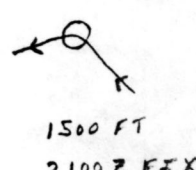


19780903FL-FDIR

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 N 6541C	
FLIGHT LOG		FLIGHT NO. 39-78	
		FLIGHT ID 780903F	
		DATE SEPT 03 1978	
TAKE OFF (City or airport) MIA	LAND (City or airport) MIA	ALTITUDE 1500, 17K-24K	
PURPOSE ELLA RESEARCH			
PROPOSED TAKEOFF TIME: 1615Z		PROPOSED FLIGHT DURATION: 8 HR	
TIME IN: 0025Z		TIME ON: 0020Z	
TIME OUT: 1610Z		TIME OFF: 1620Z	
BLK. TIME: 8:15		FLIGHT TIME: 8:00	
FLIGHT PERSONNEL			
OPERATIONS CREW		SCIENTIFIC CREW	
VISITORS			
TICKNOR	NETTERVILLE	DARBY	WILLOUGHBY
TURNER		ROSSBY	WILLIS
ADAMS		CALVERT	PARRIS
CICIRELLI		GOLDSTEIN	DATZMAN
PROPOSED MISSION 			
ACTUAL MISSION AND REMARKS  			
DATA COLLECTED AND REMARKS 2 TAPES			

HARLAN

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION KMH N25-48.3 W080-17.6		DATE 3 Sept. 1978		PROJ. NAME ELLA 5	
TICK NO.		ADAMS		41C		780903		162057 1440							
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION		LAT LON COR'S	POSITION		LAT LON COR'S	REMARKS						
161211	N25-48.3 W080-17.6	4	N25-48.3 W080-17.6		0 0	N25-48.3 W080-17.5		0 +1	Block out						
162057	N25-48.1 W080-17.4	4	N25-48.0 W080-17.7		+1 -3	N25-48.2 W080-17.4		-1 0	TOFF						
163724	25-42.3 79-17.7	2	25-42.1 79-17.5		+2 +2	25-42.6 79-17.1		-3 +6							
172030			27-16.6 76-14.0			27-17.8 76-13.2									
175118			29-29.3 75-04.4			29-31.2 75-03.3									
185138			33-49.1 72-30.5			33-52.5 72-29.1			LEVER						
192744			35-11.0 69-58.2			35-15.6 69-56.0			5						
1950									Turn to SE						
200932			35-18.8 69-52.4			35-25.2 069-48.7			5						
202956			34-21.8 68-34.5			34-28.4 68-30.8			SE and 1500' Fix						
210333	AVG Fix 35-34 69-27.5		35-30.1 69-30.6			35-38.3 69-25.2			2100 Fix Reg'mt.						
221456			32-16.5 73-29.2			32-26.3 73-20.4									
SYS	BEGIN ALIGN TIME	NCS CONN	AID	TIME OUT OF COARSE ELAPSE ALIGN POST TIME	ALIGN STS C-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS						
									LAT	LONG	GS				
INS 1	151800	—	—	153300	03	154335	002645	8.9	+7.0	-5.9	3				
INS 2 or IMU	151300	—	UN- AID	153300	—	154300	002645	8.9	-7.0	+8.9	2.7				
ALIGN REMARKS: INS 1 03/22-24 4649															
OTHER REMARKS: IMU T:1723 9,N = 0002,0000 9,S = 0000,0000 A/C = 2000,0000															
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]

78090312

TIME	LAT	LONG	T	Td	WD	WS	PA	RA	HT	SP	DV				
1645Z	2559.0	7846.7	-8.8	-14.3	158	7.8	18007	19330	5912						
1705Z	2640.0	7719.2	-7.4	-25.4	223	4.4	18053	19175	5902						
1715Z	2659.1	7629.0	-7.5	-32.9	266	11.0	18053	19184	5913						
1732Z	2809.4	7545.2	-8.2	-23.2	261	15.8	18040	19165	5906						
1750Z	2929.0	7504.7	-8.4	-17.0	258	18.5	19113	19118	5840		1037				
1800Z	3011.1	7442.4	-8.4	-14.1	254	18.0	18046	19121	5887		1013				
1817Z	3126.6	7400.6	-8.6	-18.0	256	17.1	19075	19062	5876		972				
1834Z	3236.7	7313.7	-8.3	-11.5	267	25.0	19010	19026	5861		927				
1845Z	3325.1	7246.0	-7.0	-24.6	289	24.0	19026	18979	5851		902				
1900Z	3409.0	7145.5	-7.5	-11.7	310	36	18036	18863	5822		797				
1915Z	3442.2	7031.7	-5.5	-7.2	302	67	17954	18458	5734		432				
1927Z	3616.1	6955.3	-1.4	-6.9	223	14	17996	18157	5620		167		EYE FFX		
1945Z	3600.4	7045.3	-5.5	-7.6	068	24	17751	18494	5770		623				
2000Z	3553.0	7030.0	-5.7	-8.5	023	31	17947	18530	5750		540				
2009Z	3525.0	6948.4	-2.1	-8.5	341	13	18237	18332	5661		095		EYE FFX		
2017Z	3500.7	6914.2	-4.1	-8.0	233	76	18019	18479	5716		448				
2036Z	3435.0	6822.9													
2103Z	3534.0	6927.0	23.2	20.5	221	19	1546	2599		974	-1055		EYE FFX		
2127Z	3502.3	7036.4	-9.9	-13.4	298	44	19859	20730	5791		799				
2153	3354.6	7225.5	-11.2	-33.3	272	24	20051	21062	5839		966				
2203	3316.5	7250.8	-12.0	-24.7	266	18	20021	21060	5847		992				

RFC-3 WORK FORM
(7-76)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
RESEARCH FACILITIES CENTER
MIAMI, FLORIDA

PHOTO - OPTICAL STATION

FLIGHT ID

DATE

09-03-78

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).

CAMERA	ON	OFF	ON	OFF	RATE	FILM USED (FT.)
FOREWARD	1611					
RIGHT SIDE	1611					
LEFT SIDE	1611					
VERTICAL	1611					

ELAPSED TIME COUNTERS

	DIGITAL	COUNTER	DIGITAL	COUNTER	DIGITAL	COUNTER
RS	1700	1430	2106	9150		
LS	1700	1500	2106	9158		
FWD	1702	1510	2106	9170		
RS	1810	3550	2210	11190		
LS	1810	3545	2210	11195		
FWD	1810	3690	2210	11199		
RS	1900	5131	2300	13201		
LS	1900	5139	2300	13209		
FWD	1900	5130	2300	13230		
RS	2008	7100	2400	14200		
LS	2008	7105	2400	14220		
FWD	2005	7025	2400	14298		

REMARKS: DOWN LOOKING CAMERA NO S.U PS STOPPED WORKING
Right AFTER T/O

