

1970 1001 BL FDIR

RFF-1 WORK FORM (6-64) U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA DETAILED FLIGHT PROGRAM		AIRCRAFT N6540C FLIGHT NO. 21-71 FLIGHT ID 701001B DATE OCT 1, 1970					
TAKE OFF (City or airport) MIA	LAND (City or airport) NRR VIA SSW	ALTITUDE 9000'					
PURPOSE NRR - RESEARCH - FERRY							
PROPOSED TAKE OFF TIME : MIA-SSW 1500Z		PROPOSED FLIGHT DURATION: 4:30 hrs					
TIME IN : 1950Z		TIME ON : 1945Z					
TIME OUT : 1510Z		TIME OFF : 1515Z					
BLK. TIME : 4:40 hrs		FLIGHT TIME : 4:30 hrs					
PROPOSED PATTERN MIA TO NRR VIA SSW AIRWAYS (STOP IN SSW FOR AUTO'S)							
ACTUAL PATTERN MIA TO NRR NO STOP DUE TO A/C PROBLEMS							
T.A.S. SET.	G.S. SET.	D.A. SET.	I.R.H. DRY PT. (T/O)	I.R.H. TEMP. (T/O)	TIME	I.R.H. TEMP. (LAND)	TIME
-2.0	2220	-0.70	0081	22.1	1508Z	32.0	1515Z
		TIME	PRESSURE	TEMPERATURE	DEW POINT		WIND
A/C	T.O.	1514Z	1010.6	22.2	19.8		
WX	STN.						
A/C	LAND	1945Z	1000.9	24.4	23.8		
WX	STN.						

DATE _____

OCT. 1, 1970

FLIGHT ID

701001B

FLIGHT INFORMATION

DOPPLER NAVIGATOR

DEPARTURE	TIME	LATITUDE	LONGITUDE
TERMINATION			

NAVIGATION FIXES

[illegible]

EVENT LIGHTS

[illegible]

EVENT ASSIGNMENTS

FLIGHT PERSONNEL

OPERATIONS CREW		WEATHER CREW			VISITORS
D. GEORGE	A. RICCI	J. McFADDEN	J. MCCARTHY	L. ROSE	K. HAWKINS
R. EVERTS		H. DAVIS	C. TRAVIS		S. PEARCE
G. SCHISSEL		J. McNARY	W. FREEDMAN		P. BLACK
E. CICKELL		F. NORIMOTO	T. NUNN		

OCT 1, 1970

701001B

FLIGHT DATA

CLOUD CAMERAS	ON	OFF	RATE	NO. OF ROLLS	REMARKS
FORWARD	N/A				
RIGHT SIDE	N/A				
LEFT SIDE	N/A				

"O" TIME ¹	"COUNTER"	"T" TIME ²	"COUNTER"	"O" TIME ¹	"COUNTER"	"T" TIME ²	"COUNTER"
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¹"O" Time - The time the "Total time counters" are started. (Count in seconds).

²"T" Time - The time the "Counters are stopped." "Total time counters" provide synchronization of cloud pictures; and digital data.

RADAR CAMERAS	ON	OFF	RATE	NO. OF ROLLS	REMARKS
APS - 20	1505Z	1941Z	1/30 SEC	1	
WP - 101	1500Z	194130Z	1/16 "	1	
RDR - 1	1605Z	194130Z	1/16 "	1	

RECORDERS	ON	OFF	RATE	NO. OF ROLLS	REMARKS
DIGITAL	1504Z	1943Z	1/1 SEC	1	
PHOTO PANEL	1500Z	1950Z	1/5 "	1	

DROPSONDES								
TIME								
LATITUDE								
LONGITUDE								
ALTITUDE								

REMARKS

DIGITAL STATION

DATE

1 OCT 70

FLIGHT ID

701001B

INSTRUCTIONS - Make all entries in pencil. Write legibly. Deliver completed form to Flight Director. Mark all film cans with following information: Flight ID, type, number, begin and end times. Tapes should be marked with: flight ID, number, begin and end times.

DIGITAL SYSTEM	ON TIME	OFF TIME	NO. OF ROLLS		RATE		
	150400Z	1941300Z	1		1/1		
RATE CHANGE							
TIME							
CAMERAS	ON	OFF	ON	OFF	RATE	ROLLS	LENS
FORWARD	NA						
PHOTO PANEL	150000Z	195000Z			1/5	1	f/4
RIGHT SIDE	NA						
LEFT SIDE	NA						
"O" TIME	"O" "COUNTER"	"T" TIME	"O" TIME	"O" "COUNTER"	"T" TIME	"T" "COUNTER"	
152000Z		194000Z					

REMARKS

Testing +
Maintenance on wind direction + wind speed
Break in service at 155500Z

Dew Pt. HYDRO and J+W Liquid Water Content
RFI interference when Radio operator transmits
causing Reading to jump and run up and down scale.

DATE

1 OCT 70

FLIGHT ID

RADAR STATION

Make all entries in pencil. Write legibly. Deliver completed form to:

FLIGHT DIRECTOR

NOTE - Mark all film cans with:
Flight ID, type, number,
begin and end times.

APS-20 CAMERA	TIME ON	TIME OFF	LENS SET.	NO. OF ROLLS
	152500Z	194100	f/5.6	1
INFLIGHT CHANGES				
RATE	DIAL			
	TIME			
RANGE	DIAL			
	TIME	151600Z		
STC	DIAL	1/2		
	TIME	1516Z		
ISO ECHO	DIAL			
	TIME			
ANTENNA TILT	DIAL	+2 +3		
	TIME	1516Z 1550Z		
ANTENNA RPM	DIAL	20 CW		
	TIME	1516Z		
MAG CURRENT	DIAL	20 ma 30 ma		
	TIME	1516Z 1550Z		
TIME MAGAZINE CHANGED				
RDR-1 CAMERA	ON	OFF	LENS SET.	NO. OF ROLLS
	1625Z	194130Z	f/11	1
INFLIGHT CHANGES				
RATE	DIAL			
	TIME	1519Z		
RANGE	DIAL			
	TIME			
RCVR. GAIN	DIAL			
	TIME			
TIME MAGAZINE CHANGED				
WP-101 CAMERA	TIME ON	TIME OFF	LENS SET.	NO. OF ROLLS
	152200Z	194130Z	f/8	1
INFLIGHT CHANGES				
RATE	DIAL			
	TIME			
RANGE	DIAL			
	TIME			
TIME MAGAZINE CHANGED				
REMARKS				

☐ ADDITIONAL REMARKS ON REVERSE.

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
RESEARCH FLIGHT FACILITY
Miami, Florida
ELECTRONIC DAILY STATUS

A/C 6540-C

DATE: Oct. 1, 1970

Pre-Flight

- ☒ All Electronic Equipment operational
☐ Outages

Post-Flight

- ☐ All Electronic Equipment operational
☒ Outages

1 - APS - 20 Scope Radar position

Lead Technician: J E McCarthy

Work Form (Met.Syst.)
RFF 4/63
9/23/63

U. S. Weather Bureau
Research Flight Facility
Miami, Florida

Met Systems In-Flight Data Log:

Notes: 1) Please make all entries on this form in pencil. 2) Give this form, when completed, to the Flight Meteorologist.

I. Flight Id. 7 01001B

II. FUNCTIONAL STATUS: (1/2 hourly)

Item/Time	1530	1600	1630	1700	1730	1800	1830	1900	1930	2000										
Camera/RDR		✓	✓	✓	✓	✓	✓	✓	✓											
Camera/WP101	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Camera/APS2C	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Side Cam.																				
Sp. Side Cam.																				
Radar Alt.	✓	✓	✓	✓	✓	✓	✓	✓	✓											
APN-82	X	✓	✓	✓		✓	✓	✓	✓											
IRH	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Pressures	✓	✓	✓	✓	✓	✓	✓	✓	✓											
P.P. Cam.	✓	✓	✓	✓	✓	✓	✓	✓												
Digital	✓	✓	✓	✓	✓	✓	✓	✓	✓											
Temps.	✓	✓	✓	✓	✓	✓	✓	✓	✓											
LWHR	✓	✓	✓	✓	✓	✓	✓	✓	✓											

Initials of person checking will be put in columns if equipment operating normally. If equipment inop, put an X and elaborate on malfunction, time out, time restored, etc. below. (Use reverse side if necessary).

APN-82 - WIND DIR + WIND SPEED TEST

III. Additional Remarks:

[illegible]

COUNTER	
DIGITAL	PP CNTS
1520002	0
1600002	2400
1700002	6600
1730002	7800
1800002	9100
1830002	11400
1900002	13200
1930002	15000
1940002	15600

[illegible][illegible]

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.		TIME AIRBORNE		LOCATION	DATE	PROJ. NAME
GEORGE		SCHISSEL		AOC	01001B		1515		Miami	100770	
TIME OF ENTRY	POSITION	CONF FACT	TYPE NO.	DOPPLER POSITION	LA LO CORR	STA OR REF POSN.	TRUE BEARING	RANGE OR READING	CORR	REMARKS	
X 153450	Bimini 25-42N 79-16W	1	2	25-42 79-16	0	BC		71590 91663	+13 +5	Doppler INOP EVENT #1	
X 155500	25-04N 78-07W	1	8	—		BC BD		70705 91000	-3 +2	Reset @ 160000 24-53N 77-49W	
V 163000	23-51N 76-05	1	8	23-55 76-01	-4 +4	BC BD		69070 89760	-3 +2		
V 170100	22-58N 74-15W	1	8	23-09N 74-06W	-11 +9	BC BD		67660 88750	-8 0		
173000	22-05 72-38	1	8	22-23 72-25	-18 +13	BC BD		66498 87752	-10 -2		
* 174800	SOLCAICOS 21-30N 71-31W	1	2	21 50 71 23	-20 +8	BC BD		65530 87075	-12 -3		
180000	21-06N 70-52W	1	8	21-26 70-42	-20 +10	BC BD		64980 86615	-12 -3	AD 107120	
183000	20-10N 69-02W	1	8	20-33 68-58	-23 +10	BC BD		63640 85505	-12 -3	STU- 1924 NRR- 1950	
185000	19-27N 68-06W	1	8	19-52 67-51	-25 +15	BC BD		62750 84735	-5 +7	NRR 1950 STU RBN 1920	
191830	18-28N 66-25W	1	2	19-02 66-10	-34 +15			61405 835.8		UNABLE TO OBTAIN FINAL OMEGA Reading Due to HAW	

TYPE OF FIX. (1) DR. (2) RADIO (3) CELESTRAL (4) VISUAL (5) LORAN (6) RADAR
(7) DOPPLER (8) OMEGA

CONFIDENCE FACTOR (Nautical Miles) (1-5,1) (6-10,2) (11-15,3) (16-UP,4)