19750929F1. FDIR

RFF - 1 WORK FORM
(8 - 72)

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

FLIGHT SUMMARY

FLIGHT ID	AIRCRAFT	FLIGHT NO.	DATE
750929F	N654IC	46-76	SEP. 29, 75

TAKE OFF (CITY OR AIRPORT)	LAND (CITY OR AIRPORT)	ALTITUDE(S)
MIA	BDA	20, 24K

PURPOSE RESEARCH - NHEML - NG - HURRICANE GLAOTS

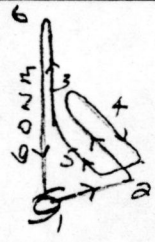
PROPOSED TAKEOFF TIME:	PROPOSED FLIGHT DURATION:
1700Z	8 HRS

TIME OUT:	TIME IN:	BLOCK TIME:
1645Z	0045Z	8:00 HRS
TIME OFF:	**TIME ON:**	**FLIGHT TIME:**
1656Z	0041Z	7:45 HRS

PROPOSED PATTERN

MODIFIED PATTERN (A)

1 → 2 → 3 → 4 → 5 - 6 → 1 AT 20K
1 → 2 → 3 → 1 AT 24K
1 → 5 → 1 AT 24K
1 → 2 → 4 - 6 AT 24K



ACTUAL PATTERN

AS PLANNED

FLIGHT PERSONNEL

OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
SANDUSKY	CIGNELLI	DAVIS	COMPARE		(NHC) SHEETS
GUNDOE	NETHERVILLE	DOREY	SCHRICKER		(NHC) BURPEE
MORAN	TENNISEL	NOELKE	HERBERT		(NHC) WILLIS
RICCI	MONTANO	DANIELS			(NHC) DASTER

REMARKS:

☐ USE REVERSE SIDE FOR ADDITIONAL REMARKS AS NECESSARY.

RFF - 2 WORK FORM
(8 - 72)

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

FLIGHT DIRECTOR'S INFLIGHT DATA LOG

FLIGHT ID: 750929F

DATE: SEP 29, 75

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

	TIME	PRESSURE	TEMPERATURE	DEW POINT	WIND
A/C T/O	1656Z	1021.1	29.3	18.6	160/07
WX STN.					
A/C LAND	0040Z	1020.5	26.0	17.8	075/10
WX STN.					

HOURLY INFLIGHT DIGITAL DATA STATUS

ITEM \ HOUR	1 1730	2 1800	3 1930	4 2000	5 2130	6 2200	2300	0800	9	10	11	12
TIME (CHECK)	OK	OK	OK	OK	OK	OK	OK	OK				
AMBIENT PRESSURE	✓	✓	✓	✓	✓	✓	✓	✓				
RADAR ALTITUDE												
TRUE AIR SPEED												
MAG. HEADING												
D.T.C. GS												
DRIFT ANGLE												
WIND												
TEMPERATURE (VORTEX) WET, DRY												
LONGITUDE												
LATITUDE												
R.H.												
DIFFERENTIAL PRESSURE												
J.W. LIQUID WATER												
VARIATION VAR												
TEMPERATURE (RSMNT.)												
C.S.I. DEWPOINT												
I.R. SFC. TEMP.												
TTK AD												
D.A.S.A.	✓	✓	✓	✓	✓	✓	✓	✓				

✓ - System O.K. X - System Output. In Error C - Corrective Measures Initiative O - System Inoperative NA - Not Applicable

REMARKS

NO DIG. DATA 2133Z – 2140Z

☐ USE REVERSE SIDE FOR ADDITIONAL REMARKS AS NECESSARY.

RFF - 4 WORK FROM
(8 - 72)

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

DIGITAL STATION

FLIGHT ID: 750929F

DATE: SEP 29, 75

INSTRUCTIONS: Make all entries in pencil. At Flight Termination, give completed from to the Flight Director.

DIGITAL SYSTEM	TIME ON:	TIME OFF:	NO. OF TAPES:	RATE:
	1655 Z	0043 Z	2	1/1

INFLIGHT LOG

TIME RESET	TIME STANDARD USED FOR RESET	REMARKS
Z		
Z		
Z		
Z		
Z		
Z		
Z		
Z		

REMARKS: (MALFUNCTIONS, RATE CHANGES, ETC.)

☐ USE REVERSE SIDE FOR ADDITIONAL REMARKS AS NECESSARY.

RFF - 5A WORK FORM
(8 - 72)

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

PHOTO - OPTICAL STATION

FLIGHT ID: 750929F

DATE: 29. Sept 75

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						
RIGHT SIDE	1656	2225			1/5	249'
LEFT SIDE	1656	2225			1/5	249'
PHOTO PANEL						
VERTICAL						

ELAPSED TIME COUNTERS	TIME ON:	TIME OFF:	FINAL COUNT:
	172000 Z	222000 Z	18000

APN 59 WP - 101 CAMERA	TIME ON	TIME OFF	LENS SETTING	NO. OF ROLLS
	180000 Z	5025 Z	f/ 5.6	1

~~WP - 101~~ INFLIGHT CHANGES

RATE	DIAL	1/4									
	TIME	1800									
RANGE	DIAL	variable									
	TIME	1800									
TIME MAGAZINE CHANGED											

APS - 20 CAMERA	TIME ON	TIME OFF	LEN SETTING	NO. OF ROLLS
	Z	Z	f/	

APS - 20 INFLIGHT CHANGES

RATE	DIAL										
	TIME										
RANGE	DIAL										
	TIME										
FTC	DIAL										
	TIME										
TIME MAGAZINE CHANGED											

RDR - 1 CAMERA	TIME ON	TIME OFF	LENS SETTING	NO. OF ROLLS
	Z	Z	f/	

RDR - 1 INFLIGHT CHANGES

RATE	DIAL										
	TIME										
RANGE	DIAL										
	TIME										
RECEIVER GAIN	DIAL										
	TIME										
TIME MAGAZINE CHANGED											

☐ USE REVERSE SIDE OFR ADDITIONAL REMARKS AS NECESSARY.

750929F

1656Z OFF min

2020Z ⊕ AT CENTER 2340N 6401W H500 = 5681M
TMP RISE -9° → -4° MAX WND W QUAD
60KTS

2028Z BEGIN PATTERN 'A'

2035Z AT PT. 2 MAX WIND 150°/78KTS

2040Z AT PT. 3

2050Z AT PT. 4

2057Z TURN TO PT 2

2107Z TURN TO PT 5 MAX WND 125°/80KTS

2109Z TURN TO PT 6

2118Z PT. 6

DATA LOSS 2123Z TO 2140Z

2135Z ⊕ AT CENTER 2349N 6437W MAX WND 090/90

2148Z AT 24K

2152Z. BGN PATTERN 1 → 2 - 3 - 1

2200Z AT PT. 2 MAX WND 148°/90KTS

2205Z AT PT. 3

2212Z ⊕ AT CENTER 2353N 6446W H500 5668M

2216Z BGN PATTERN 1 → 5 → 1

2222Z TURN TO PT 5

2231Z TURN TO PT 1

2237Z ⊕ AT CENTER 2359N 6454W 080°/96KT
H500 5659M

NOAA FORM 59-4
(2-72)

750929F

TIME	LAT	LA	LA	RA	DR	D	T	TD	WT	DD	FF	
1800	07	25	26	7545	2250	2119	1250	-11.7	-201	5900	006	06
1816	09	25	20	7423	2249	2119	1230	-12.5	-231	5897	022	13
1830	093	25	15	7311	2246	2119	1210	-13.2	-243	5896	052	12
1845	093	25	09	7156	2243	2116	1209	-14.1	-24.4	5897	061	05
1900	089	25	07	7041	2245	2119	1196	-15.0	-24.0	5896	063	06
1915	089	25	06	6927	2244	2118	1200	-15.1	-25.4	5898	039	08
1930	109	24	52	6811	2240	2117	1167	-14.4	-25.1	5885	007	10
1945	109	24	33	6702	2238	2117	1151	-13.7	-24.3	5874	354	17
2000	109	24	16	6549	2237	2111	1073	-11.9	-22.0	5853	311	15
2010	090	23	50	6501	2107	2066	946	-8.6	-13.5	5827	000	28
2015	093	24	40							5766	016	54
2018	105	24	30	6427						5691	039	20
2022	012	41	25							5821	304	12
2023	012	44	24				-5.9			5684	120	07
	BGN PTRN											
2028	071	23	49	6422	2061	2001	535	-4.6	-11.3	5694	107	31
2031	082	23	54	6411							152	78
2035	323	24	02	6400							144	65
2040	091	24	06	6400							084	59
2050	088	24	10	6413							126	60
2059	149	24	03	6346	2115	2013	955	-8.8	-10.9	5828	164	49
2107		23	57	6420							134	78
2109		24	03	6427						5754	117	75
2118	009	24	13	6425						5841	106	44
2132		24	02	6436							090	60
2135		23	49	6438	2063	2007	498	-4.5	-9.1	5681	005	00
2136		23	50	6434						5684	172	18
		CLIMB TO		245								
		BGN PTRN		1-2-3-1								
2152	056	23	57	6443						5681	027	04
2200	304	24	14	6418	2053	2006	1191	-16.6	-20.7	5818	136	55
2205		24	21	6445						5803	099	65
2212		23	54	6446						5670	067	07
2213		24	01	6446						5701	277	14
		BGN PTRN		1-5-1								
2222		23	55	6417						5807	149	60
2231		24	23	6454						5817	108	68
2238		23	56	6452	2049	2009	829	-12.8	-19.0	5777	067	05
		BGN PTRN		1→4-6								
		ENE W/ALL										
2249		24	15	6413						5838	151	042
2300	338	24	51	6450	2054	2011	1261	-16.9	-18.7	5839	107	040
0000	024	29	51	6501	2157	2028	1233	-11.1	-21.2	5915	124	014

2002
20 DIA
5 2342
6425

5 2352
2349
6437

5 2350, 6444

PT 2
90KTS 148°
PT 3
075/92

TRN TO PT 5
TRN TO PT 1
082/96 5
PT 1
131/101

TRN TO PT 4
PT 6

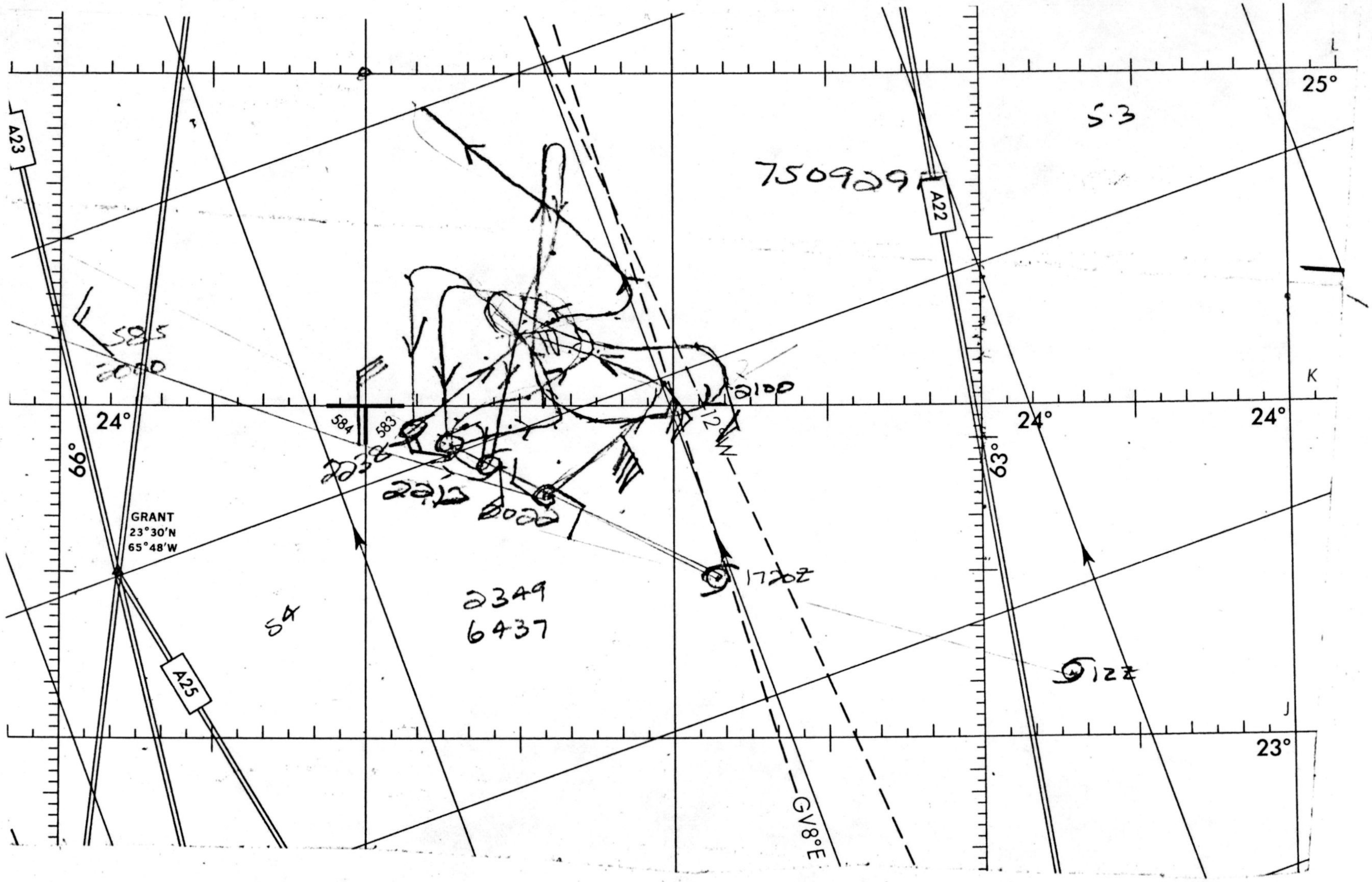
TURN TO PT 2
TURN TO PT 5
TURN TO PT 6
PT 6
90KTS

2238Z BGN PATTERN 1 → 4 → 6

2249Z TURN TO PT 4 MAX WIND 131°/101KTS

2300Z AT PT 6

0041Z LND BDA



750929F
5.3
25°
24°
24°
24°
23°
66°
63°
63°
A23
A22
A25
GRANT
23°30'N
65°48'W
GV8°E
12°W
584
583
585
2000
2100
2238
2212
2022
1720Z
1122
2349
6437
54
L
K
J

3113Z 23-48 N
64-34 W

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
SANDQUIST	SCHISSEL	97C	750729F	1656 16	Miami	29 SEP 75	GLADYS

TIME OF ENTRY	POSITION	TYPE	CONF. FACT.	INERTIAL POSITION	LAT. LON. COR'N	POSITION	LAT. LON. COR'N	REMARKS
1654 10	25-48.2 80-17.6	4	1	25-48.9 80-16.9				DEGRADE
1713 42	25-42.0 79-16.0	2	1	25-43.1 79-16.7	-1.1 -.7			
1742 12	25-33.5 77-19.W	6	1	25-32.4 77-16.8	+2.2			022°/20
1754 08	25-28.0 76-19.0	6	1	25-27.4 76-15.3				180/37
1935 51		10	1	24-48.7 67-44.8				101° M.N. SI @ 184205
2022 27		10	1	23-43.0 64-24.2		23-42.0 64-25.0		↑ 5 DEGRADE
2040 16		10	1	24-11.6 64-31.5				
2059 57		11	1	24-00.8 63-45.9				
2109 06		10	1	24-03.2 64-26.7				
2134 38		10	1	23-48.9 64-37.3				5 SI @ THIS TIME
2212 24		10	1	23-52.4 64-45.2				5
2238 10		10	1	23-55.0 64-50.6				5
2300 46		10	1	24-56.3 64-51.7				
2326 22		10	1	26-59.8 65-21.9				FRANK

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

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

(COVER)

00 45

1645

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME

TIME OF ENTRY	POSITION	TYPE	CONF. FACT.	INERTIAL POSITION.	LAT. LON. COR'N	POSITION	LAT. LON. COR'N	REMARKS
0003 51		10	1	29-57.8 64-58.9				
00 4631	32.21.4 64-39.7	4/10		32 - 20.8 64 - 40.3	+.6 -.6			0003

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

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