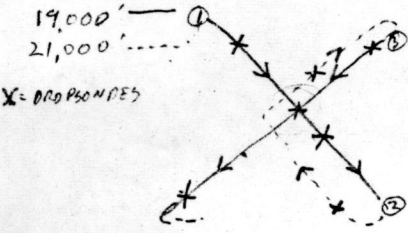
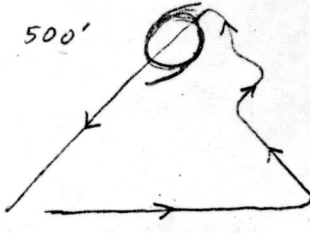


19730921FI-FDIR

1

RFF - 1 WORK FORM (8 - 72)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		FLIGHT ID 730 921 F	
FLIGHT SUMMARY				AIRCRAFT N6541C	
				FLIGHT NO. 33-74	
				DATE SEPT 21, 1973	
TAKE OFF (CITY OR AIRPORT) BDA		LAND (CITY OR AIRPORT) BDA		ALTITUDE(S) 500-22000'	
PURPOSE HURRICANE ELLEN NHRL RESEARCH					
PROPOSED TAKEOFF TIME: 1430			PROPOSED FLIGHT DURATION: 8		
TIME OUT: 1430		TIME IN: 2250		BLOCK TIME: 8 20	
TIME OFF: 1435		TIME ON: 2240		FLIGHT TIME: 8 05	
PROPOSED PATTERN  					
ACTUAL PATTERN HIGH LEVEL PATTERN AS PROPOSED LOW LEVEL PATTERN FLOWN AT 1500' MOST OF TIME DUE TO FAILURE OF LASER AND PAT-5 19 AXBT'S DROPPED 5 FAILURES 7 AN AMT-13 DROPSONDES					
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
WERLEY	SCHISSEL	MICHAIE	HOELZL	SHEETS	MICHAELS
GUNNOE	METTERVILLE	BROWN	NUNN	BLACK	GRITTON
CICIRELLI		DANIELS		WILLIS	BUZONE
RICCI		CONNOR		SCHRICKEER	
REMARKS:					

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 730 921 F	
						DATE SEPT. 21, 1973	

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	1425	1019.8	24.6	22.8	
WX	STN.					
A/C	LAND		1021.6	24.7	23.1	
WX	STN.					

HOURLY INFLIGHT DIGITAL DATA STATUS													
ITEM	HOUR	1	2	3	4	5	6	7	8	9	10	11	12
TIME (CHECK)		1445	1530	1630	1730	1830	1930	2030	2130	230			
AMBIENT PRESSURE		✓	✓	✓	✓	✓	✓	✓	✓	✓			
RADAR ALTITUDE		✓	✓	✓	✓	✓	✓	✓	✓	✓			
TRUE AIR SPEED		✓	✓	✓	✓	✓	✓	✓	✓	✓			
MAG. HEADING		✓	✓	✓	✓	✓	✓	✓	✓	✓			
D.T.C. GS		✓	✓	✓	✓	✓	✓	✓	✓	✓			
DRIFT ANGLE		✓	✓	✓	✓	✓	✓	✓	✓	✓			
WIND INS		✓	✓	✓	✓	✓	✓	✓	✓	✓			
TEMPERATURE (VORTEX) DIODE		✓	✓	✓	✓	✓	✓	✓	✓	✓			
LONGITUDE		✓	✓	✓	✓	✓	✓	✓	✓	✓			
LATITUDE		✓	✓	✓	✓	✓	✓	✓	✓	✓			
I.R.H.		NA											
DIFFERENTIAL PRESSURE		✓	✓	✓	✓	✓	✓	✓	✓	✓			
J.W. LIQUID WATER		✓	✓	✓	✓	✓	✓	✓	✓	✓			
VARIATION		✓	✓	✓	✓	✓	✓	✓	✓	✓			
TEMPERATURE (RSMNT.)		✓	✓	✓	✓	✓	✓	*	✓	✓			
C.S.I. DEWPOINT		✓	✓	✓	✓	✓	✓	✓	✓	✓			
I.R. SFC. TEMP.		1 INOP											

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

REMARKS

* ROSEMNT OUT TEMPORARILY
 JW 0-6
 INS 7 MILE OFF AT LANDING

RFF - 3A WORK FORM (8 - 72) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA ELECTRONIC SYSTEMS STATUS	FLIGHT ID 730921 F DATE SEP. 21, 1973
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PRE - FLIGHT STATUS:

OK.

INFLIGHT OUTAGES:

TIME NOTED

SYSTEM

CORRECTIVE ACTION

PRT-5 N.G.

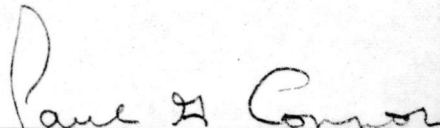
POST FLIGHT SUMMARY:

OK

APS - 20 RADAR INFLIGHT CHANGES

STC	DIAL											
	TIME											
150 ECHO	DIAL											
	TIME											
ANTENNA TILT	DIAL											
	TIME											
ANTENNA RPM	DIAL											
	TIME											
MAG CURRENT	DIAL											
	TIME											

REMARKS


 ELECTRONIC SYSTEMS SUPERVISOR

RFF - 3B WORK FORM
(8 --72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
RESEARCH FLIGHT FACILITY
MIAMI, FLORIDA

ELECTRONIC SYSTEMS INFLIGHT DATA LOG

FLIGHT ID

730921F

DATE

SEPT. 21, 1973

INSTRUCTIONS: Make all entries in pencil. At Flight Termination, give completed form to the Flight Director. Initials of person checking equipment will be put in the columns if the equipment is operating normally. If the equipment is inoperative, put an x and elaborate on malfunction (i.e., time out, time restored, etc.) below. Check equipment every 30 minutes.

	00	14 30	15 00	15 30	16 00	16 30	17 00	17 30	18 00	18 30	19 00	19 30	20 00	20 30	21 00	21 30	22 00	22 30	23 00	30	00	30	00	30
DIGITAL		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
PRESSURES		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
APN - 82 WIND		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
APS - 20																								
WSP - 501 50		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
RDR - 1																								
RADAR ALT.		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
Diode TEMP. (VORTEX)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
TEMP. (ROSEMNT)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
INS		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
J.W. LIQ. WATER		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
CSI DEWPOINT		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
OMEGA																								
		pc	pc	pc	pc	pc	pc	pc	pc	pc	pc	pc	pc	pc	pc	pc	pc	pc						

REMARKS:

☐ 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 730921F
	DATE SEPT. 21, 1973

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

DIGITAL SYSTEM	TIME ON: 143200 Z	TIME OFF: 224430 Z	NO. OF TAPES: 2	RATE: 1/1
----------------	----------------------	-----------------------	--------------------	--------------

INFLIGHT LOG

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

REMARKS: (MALFUNCTIONS, RATE CHANGES, ETC.)

TAPE # 1 143200 - 200000
 200010 - 224430

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 730921F	
					DATE SEPT. 21, 1973	
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	1540	1951			1/2	4x50
RIGHT SIDE	1434	2015			1/5	2661
LEFT SIDE	1434	2015			1/5	2641
PHOTO PANEL	1434	2015			1/5	2631
VERTICAL	1434	2015			1/5	2571
ELAPSED TIME COUNTERS		TIME ON: 145000 Z	TIME OFF: 201001 Z		FINAL COUNT: 19201	
WP - 101 CAMERA	TIME ON 1445 Z	TIME OFF 2018 Z	LENS SETTING f/ 5.6		NO. OF ROLLS 2	
WP - 101 INFLIGHT CHANGES						
RATE	DIAL	1/2				
	TIME	1445				
RANGE	DIAL	30m				
	TIME	1445				
TIME MAGAZINE CHANGED		1911 Z				
APS - 20 CAMERA	TIME ON Z	TIME OFF Z	LENS SETTING f/		NO. OF ROLLS	
APS - 20 INFLIGHT CHANGES						
RATE	DIAL					
	TIME					
RANGE	DIAL					
	TIME					
FTC	DIAL					
	TIME					
TIME MAGAZINE CHANGED						
RDR - 1 CAMERA	TIME ON Z	TIME OFF Z	LENS SETTING f/		NO. OF ROLLS	
RDR - 1 INFLIGHT CHANGES						
RATE	DIAL					
	TIME					
RANGE	DIAL					
	TIME					
RECEIVER GAIN	DIAL					
	TIME					
TIME MAGAZINE CHANGED						

RFF - 5B WORK FORM (8 - 72) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA TIME CHECK LOG	FLIGHT ID 730921F DATE SEPT. 21, 1973
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IRH "T" (°C)	APN59 WP-101			APS - 20			RDR - 1		
	DIGITAL	WP - 101	COR'N	DIGITAL	APS - 20	COR'N	DIGITAL	RDR - 1	COR'N
	150208	150200	+8						
	160016	160000	+16						
	170122	170100	+22						
	180031	180000	+31						
	192543	192500	+43						
	220048	220000	+48						

ELAPSED TIME COUNTERS					
DIGITAL	COUNTER	DIGITAL	COUNTER	DIGITAL	COUNTER
145000	000			154300	#1
150000	600			164500	#2
153000	2400			180130	#3
160000	4200			191800	#4
163000	6000				
170000	7800				
173000	9600				
180000	11400				
183000	13200				
190000	15000				
193000	16800				
200000	18600				

REMARKS:

730921 F

TIME		LA ^{IMS}	LO	T	CSI	Td	PD	FF	RA	PA	D				
151300		3313	6232	-14.6	703	-14.9	230	20	CLIMB						
1545		3427	5942	-13.1	449	-27.6	250	22	22420	21280	1140				
1600		3504	5816	-13.1	539	-23.1	257	25	22430	21300	1130				
1614		3533	5704	-14.3	659	-17.1	276	35	22420	21320	1100				
1630		3610	5529	-13.1	637	-18.2	320	21	22390	21320	1060				
1645		3651	5300	-13.2	691	-15.5	330	26	22300	21300	1000				
165430	PT 1	3701	5330	-13.1	815	-9.3	086	20	22180	21300	880				
170000	DROP 1	3639	5315	-12.2	813	-9.4	050	42	21800	21000	800				
171730	CENTER	3540	5235	-3.9	-	-	-	-	19300	19280	20	✓			
172140	DROP 2	3527	5223	-3.9	1001	+1	231	77	19720	19240	480				
1730		3453	5206	-5.4	949	-2.6	250	60	19950	19270	680				
173234	POINT 2	3448	5204	-7.3	865	-6.8	249	79	CLIMB						
1740	"	3448	5204	-12.4	-	-			22840	21990	850				
175640	CENTER	3550	5228	-9.1	-	-	-	-	22580	22380	200	✓			
180100	DROP 4	3602	5213	-9.1	853	-7.4	146	78	22960	22440	520				
181050	POINT 3	3607	5126	-12.2	780	-11.0	177	50	23310	22400	910				
181800	DROP 5	3602	5139	-6.1	874	-6.3	171	58	19920	19360	560				
182700	DROP 6	3601	5222	-2.6	891	-5.5	190	17	19370	19360	10	✓			
184000	DROP 7	3540	5321	-7.3	1050	+2.5	330	60	20085	19370	715				
	DESCEND														
1900		3523	5242	20.2	1437	21.9	277	77	1500	1720	-220				
1910		3521	5154	21.0	1462	23.1	218	67							
1920		3522	5144	20.0	1457	22.9	218	94	1470	1900	-430				
1930	CENTER	3616	5210									✓			
1940		3600	5214	19.1	1437	21.9	258	71	2780	3000	-220				
1950		3536	5214	18.8	1386	19.3	257	76	2570	2810	-240				
2000		3512	5214	18.6	1444	22.2	265	56	2530	2560	-30	END	PATTERN		
2025		3453	5332	-13.7	735	-13.3	300	40	21430	20130	1300				
2050		3432	5542	-13.2	701	-15.0	260	18	21470	20130	1340				
2133		3339	5917	-13.3	777	-11.2	284	19	21530	20210	1320				
2202		3308	6147	-11.7	731	-13.5	240	29	21530	20940	1340				

A hand-drawn map on a grid, likely representing a flight path or a search area. The grid has a vertical axis labeled '10X10 TO THE INCH' and a horizontal axis with degree markings (54°, 53°, 52°, 51°). The map includes several handwritten annotations and lines:

- Top Edge:** Degree markings: 54°, 53°, 52°, 51°.
- Left Edge:** Vertical axis label: '10X10 TO THE INCH'.
- Annotations:**
 - 15542 (top left)
 - 17002 (top center)
 - 19K (top right)
 - 18272 (middle left)
 - 19402 (middle left)
 - 1757 (middle center)
 - 17172 (middle center)
 - 1950 (middle right)
 - 17212 (middle right)
 - 2000 (bottom center)
 - 17412 (bottom right)
 - 17312 (bottom right)
 - 18402 (bottom left)
 - 19K (bottom center)
 - 17K (bottom right)
 - 18K (bottom right)
 - 19K (bottom right)
 - 18K (bottom right)
 - 17K (bottom right)
 - 16K (bottom right)
 - 15K (bottom right)
 - 14K (bottom right)
 - 13K (bottom right)
 - 12K (bottom right)
 - 11K (bottom right)
 - 10K (bottom right)
 - 9K (bottom right)
 - 8K (bottom right)
 - 7K (bottom right)
 - 6K (bottom right)
 - 5K (bottom right)
 - 4K (bottom right)
 - 3K (bottom right)
 - 2K (bottom right)
 - 1K (bottom right)
- Lines:**
 - A dashed line connecting 15542 to 17002.
 - A solid line connecting 18272 to 19402.
 - A solid line connecting 1757 to 17172.
 - A solid line connecting 17172 to 1950.
 - A solid line connecting 1950 to 17212.
 - A solid line connecting 17212 to 2000.
 - A solid line connecting 2000 to 17412.
 - A solid line connecting 17412 to 17312.
 - A solid line connecting 17312 to 18K.
 - A solid line connecting 18K to 19K.
 - A solid line connecting 19K to 18K.
 - A solid line connecting 18K to 17K.
 - A solid line connecting 17K to 16K.
 - A solid line connecting 16K to 15K.
 - A solid line connecting 15K to 14K.
 - A solid line connecting 14K to 13K.
 - A solid line connecting 13K to 12K.
 - A solid line connecting 12K to 11K.
 - A solid line connecting 11K to 10K.
 - A solid line connecting 10K to 9K.
 - A solid line connecting 9K to 8K.
 - A solid line connecting 8K to 7K.
 - A solid line connecting 7K to 6K.
 - A solid line connecting 6K to 5K.
 - A solid line connecting 5K to 4K.
 - A solid line connecting 4K to 3K.
 - A solid line connecting 3K to 2K.
 - A solid line connecting 2K to 1K.

1827

3.5 Ecd

335 0 True

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.		TIME AIRBORNE		LOCATION		DATE	PROJ. NAME
Gunnore		Schissel		710	730921F		143736		W49 Bermuda		21 SEP 73	WACC
TIME OF ENTRY	POSITION	CONF FACT	TYPE NO.	DOPPLER POSITION	LA LO CORR	STA OR REF POSN.	TRUE BEARING	RANGE OR READING	CORR	REMARKS		
1437 36	32-22N 64-41W	1	4	32-22N 64-41W	-				VMA +16			
1514 00	33-15.1 62-28.2	1	5/9	33-25 62-32	-10 -4		344	4135	+18			
1545 45	34-28.6 59-38.6	1	5/9	34-56 59-38	-28 +1.6		344	4680	+19			
1648 00	35-38.0 56-50.4	1	9	36-22 56-49	-44 +1.6							
1654 23	37-00.8 53-29.5	1	9	38-08 53-21								
17057	35-39.7 52-35.4	1	9	36-48 52-13	-3 +22				+21	S		
174129	34-48.6 52-04.8	1	9	35-48 51-48						Pt 2		
181051	36-07.3 51-26.3	1	9	37-05 51-11	+58 +15					Pt.		
181510	36-05.9 51-25.9	1	9	37-03 51-12								
182750	36-00.9 52-26.0	1	9							S		
191500	35-22.9 51-43	1	9	36-15 52-44	-52 -1							
193242	36-16.3 52-10.7	1	9	37-08 52-06						S		
211500	34-04.5 57-46.2	1	9	34-37 58-30	-23 -44				+18			
224411	32-22 64-41	1	4	32-38 65-53	-16 -72					32-23 0 -1 64-42.9 -1.9		

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)