FLT ID: I970909	FM: TISX	TO: KMCF
FLT NO: 97-032	BLK IN: 2233Z	ATA: 2119Z / 2226Z
ETD: 1800Z	BLK OUT: 1735Z	ATD: 1742Z / 2136Z
ETE:	BLK TIME: 4:58	FLT TIME: 3:37 / :50
SPONSOR ORG: HRD.	PROGRAM: HURRICANE -RESEARCH	PURPOSE: FERRY TO MIAMI + MACDILL AFB

OAO PERSONNEL

AC	KENNEDY X	SYS ENG	
CP	KENUL ✓	DATA SYS	LYNCH X
NAV	STRONG ✓	RADAR	BARR X
FE	WADE / MOORE ✓	BT/ODW	SMITH ✓
RADIO	SANS SOUCI X	CLD PHYS	CARPENTER X
FD	DAMIANO X	DOPPLER	

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CLOSSER X	MECH	AOC
McFADDEN X	??	AOC
MARKS ✓		HRD
BLACK ✓		
ABERSON ✓		
LEIGHTON ✓		
CIONE ✓		

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

STOPPED IN OPALOCKA TO LET HRD FOLKS OFF

1917 BAL DW

-44

1921Z near TCB for DW check

1 day Mon
1 day TISX

2155Z 31 29.84 189 PA
17

1959Z 17
2986

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2 FILE

FLT ID: I970909 TIME OFF: 1742Z/21362 TIME ON: 2119Z/23262

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1008.8/1009.8	29.85/29.84	1009.8/	29.84/29.84

	NO	DATA DISPOSITION/DATE/QUALITY
1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS
169
10.0

H. ERIKA

Flight #04 I970909 (Ferry to Miami)

DATA TYPE	SENSOR or OPTION
INE	2
Accelerometer	2
Temperature Probe	1
Altitude (for vertical wind)	RA159
Static Pressure	Fuselage
Dynamic Pressure	Fuselage
Dewpoint Probe	1

Notes:

There were no data gaps.

Dewpoint temperature #1, DW1, was balanced during the following time frame:

1915Z - 1925Z

The erroneous data generated by this action were removed and patched over.

Downward spikes in radar altimeter data are a result of overflying land.

Aircraft inertial positions were renavigated with respect to GPS.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical wind speeds, respectively, derived from Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft static pressure	1008.8mb	1009.8mb
Corrected tower pressure	1009.8mb	1010.5mb

Flight Meteorologist: A. Barry Damiano, (813) 828-3310 ext. 3073

NOAA FORM 59-4
(2-72)

I970909

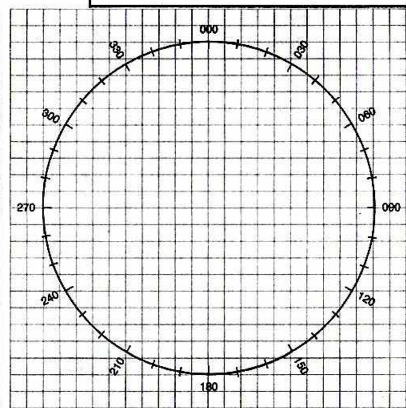
TIME	LAT	LON	TRK	HD	WD	WS	TA	TD	PA	GA	SP	PS			PQ
181000	1833	6628	305	304	285	18	-12.5	-24.7	6754	7132	—	424.7	CLR		71.0
182400	1910	6728	303	303	269	12	-11.2	-28.5	6735	7117	—	426.2	CLR		73.7
185700	2035	6951	300	302	305	18	-11.4	-22.5	6730	7093	—	426.4	CLR		73.5
191500	2123	7110	299	300	57	8	-12.1	-44.3	6754	7122	—	424.9	CLR		74.0
193820	2227	7309	301	302	126	9	-11.8	-44.2	6746	7111	—	425.5	CLR		74.9
1908	&	WND	SHFT												
200500	2333	7517	303	304	144	6	-12.2	-44.3	6744	7107	—	425.6	CLR		74.7
204200	2521	7807	290	291	173	5	-13.1	-45.2	6744	7108	—	425.6	CLR		74.2

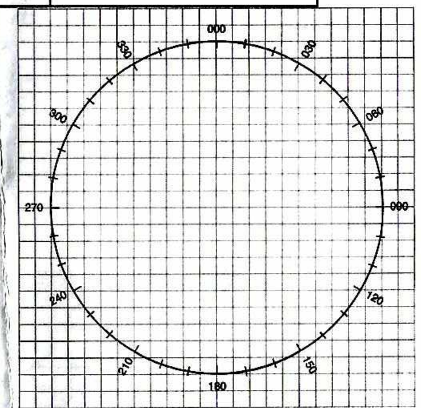
CLEARANCES

FREQ	ALT	HDG	OTHER

MISSION LOG

PAGE ___ OF ___





POSITION REPORT

1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA ______, NOAA ______, NOAA ______

- POSITION ____________________ N / S
____________________ E / W AT __________Z
- HEADING ______ TRUE/MAG
- AT ______ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE ________
- WE ARE A P-3 AIRCRAFT WITH ________ SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE __________ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
2028	G	24-46.6 77-01.3	24-46.9 76-59.5	-.3 +1.8	24-48.0 77-01.5	-1.4 -.2															
2235	√	27-50.9 82-29.6	27-52.3 82-26.9	-2.4 +2.7	27-56.2 82-29.3	-5.3 +.3															

OUT 1735 OFF 1742 ON 2148 IN 2154

NOAA FORM 56-49
(2-95)

MISSION PREFLIGHT LOG

DESTINATION: ODF/MCF | MISSION: ERICA FERRY | NAVIGATOR: STRONG | AIRCRAFT COMMANDER: KENNEDY | FLIGHT DIRECTOR: DAMIANO | SCHEDULED / ACTUAL TAKEOFF Z: 1800 | DATE OF TAKEOFF: 9 SEP 97

97-

WP	LAT / LON	RTE	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA	REMARKS
1 COY	17-44.1 / 64-42.1							240					6 / 6	+2 / +02				
2 TUNAK	17-58.9 / 65-53.2						282	250					69 / 75	+17 / +19				
3 DDP	18-28.3 / 66-24.7						315	290	295	17			92 / 167	+09 / +28				
4 ISAAC	19-15.6 / 67-38.4						305	280					84 / 251	+18 / +46				
5 HAROT	20-00.4 / 68-49.0						305						80 / 280	+17 / 1+03		1843		
6 RADI	20-31.3 / 69-37.9						305						55 / 335	+12 / 1+15		1854		
7 TIC	21-26.4 / 71-08.1						305						101 / 436	+22 / 1+37				18 47 / 415
BI	23-08.4						302						208 / 644	+45 / 2+22		2002		
INDGS	74-23.4												55 / 699	+12 / 2+34				19.59
9 ZLS	23-34.9 / 75-15.8						302						149 / 848	+32 / 3+06				
10 ZDA	25-02.5 / 77-28.2						310						66 / 914	+14 / 3+18				
11 OYSTA	25-43.7 / 78-24.5						314						67 / 981	+14 / 3+32				
12 DEKAN	25 51.1 / 79-37.9						282						35 / 1016	+08 / 3+40				
13 ODF	25-54 / 80-17						281											

INS PERFORMANCE

	INS 1	INS 2
BEGIN ALIGN TIME	1630	1630
ALIGN STATUS (0-5)	1	2
END NAV TIME	2235	2235
START NAV TIME	1726	1726
DELTA T	5+06	5+06

TERMINAL ERRORS

	INS 1	INS 2
DELTA LAT	-2.4	-5.3
DELTA LON	+2.7	+.3
RGS	5	6
RADIAL ERROR	3	5

REMARKS

C-ODF
RV RT 4 TUNAK
A555 DDP AS FILED
RT
↗ 10,0
EXP 22,0 +10
128.05 SQ 4513