

HURR. "OLIVIA" (epac)

940925H (Low Plane on ICS&EE)

TYPE OF DATA -----	SENSOR OR OPTION -----
INE	2
Accelerometer	2
Temperature probe	1
Altitude change option (for vertical winds)	RA159
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO2942.CON

Notes:

There was one time/data gap at 202533Z - 202540Z.

As always, in very moist conditions wetbulbing occurs, as it did on this flight.

The ATTACK FUSELAGE PRESSURE Sensor (APF) froze up on decent into the Hurricane and again upon climbout. The times were 200740Z-201215Z and 001920Z- 001925Z.

The ATTCK PRESSURE RADOME (APR) ALSO FROZE UP (decent into/ascent out) at times: 003400Z-003500ZZ; and 024630Z-024715Z.

Also - BETA PRESSURE RADOME Sensor (BPR) was frozen at 003400Z-012500Z and 024200Z-024420Z while decending...

The Flight Director balanced the DEWPOINTER at 185400Z... despiked/patched.

The aircraft INE 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 speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.

	Takeoff -----	Landing -----
Aircraft static pressure	1010.0mb	1008.7mb
Corrected tower pressure	1011.0mb	1008.7mb

Flight Meteorologist: *P.D.* Philip D. Bogert (813) 828-3310 ext. 3072

FLT ID: 940025H	FM: MMPR	TO: MMPR
FLT NO: 94-64	BLK IN: 26/0309	ATA: 0305Z
ETD: 1700Z	BLK OUT: 1723Z	ATD: 1732Z
ETE: 9+30	BLK TIME: 1047 (10.3)	FLT TIME: 9+35 (9.6)
SPONSOR ORG: HRD	PROGRAM: H. Research	PURPOSE: H. OLLIVA

OAO PERSONNEL

AC Kennedy ✓	SYS ENG ROLAS ✓
CP PLAYER ✓	DATA SYS BARR ✓
NAV STRONG ✓	RADAR
FE Wade ✓	BT/ODW McMillan ✓
RADIO ARNASON ✓	CLD. PHYS
FD BOGERT ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
McFadden ✓	UNKNOWN	AOC
Camache ✓	P.I.	HRD
Burpee ✓		
P. Black ✓		
P. Dodge ✓		
J. Lawrence ✓	H2O Samples	U. HOUSTON
Bianca Valdez ✓	OBSERVER	ATC-mex.
	16 S.O.B.	

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

T.O.
 ALT - 2987/1011mb
 SP - ↓ RR 7/10 1010.9mb @ 1734Z
 PS - 1010mb
 DATA INET 2 SYSTEM... 182 POSIT EST. 19N 120° 10W
 IP = 50NM N of EYE...
 D.P. Bar @ 1854Z;

ALT 2980/1008.7mb
 SP - 1008.7mb
 PS - 1007.0mb

59 OS EYE PENETRATIONS

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO. 2 DROWF2 FILE

FLT ID: 940925H TIME OFF: 1732 TIME ON: 26/0305Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE				

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES	0	
RADAR TAPES	1	
DOPPLER TAPES	1	
ODW CASSETTES	3	
HARD COPIES	0	
PMS DAT	1	

AXBT		
AXCP	0	
ODW	0	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON ✓				
OFF				
RATE				

REMARKS

940925H

Time	LAT		LONG		TRK	WD	WS	PA	GA	TA	Td	Sp	Ps
1830	20	17	109	49	264	049	13	5505	5797	-3.7	-19.9	038	505
1852	20	06	111	48	263	081	13	5505	5803	-5.0	-23.1	063	505
1928	19	50	115	05	270	139	22	5504	5798	-4.7	-27.9	054	505
2009	19	57	118	59	270	121	58	3458	3572	10.6	8.9	—	NR IP
0117	20	06	114	26	084	169	11	7620	8095	-18.3	-29.1	079	375.9

OLIVIA

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
KENNEDY	STRONG	N42RF	94-064	1732	PVR	25 SEP 94	OLIVIA

TIME OF ENTRY	POSITION	TYPE INE USED	INE #1 POSITION	LAT LON COR'S	INE #2 POSITION	LAT LON COR'S	ALT GS	TH TK	REMARKS
1712	20-40.7 105-15.1	4 1	✓		✓		X	X	Checks
1757	20-31.1 107-00.9	6PS 1	20-30.7 107-00.3	+4.4 +1.6	20-31.1 107-00.6	0 +1.3	269 265	269 269	Fm I
1904	19-59.7 112-54.0	6PS 1	19-58.8 112-53.5	+1.9 +1.5	20-00.1 112-53.8	-0.4 +1.2	18.0 308	262 263	Fm I
1930	19-50.2 115-15.7	6PS 1							Fm I
1959	19-56.4 117-58.2	6PS 1	19-54.8 117-57.3	+1.6 +1.9	19-57.5 117-57.1	-1.1 +1.1	269 367	264	Fm I
2033	18-57.7 120-04.3	6PS 1							Fm I 6
2106:30	19-02.3 120-05.6	6PS 1	18-57.9 120-03.8	+4.3 +1.8	19-02.5 120-04.2	-0.2 +1.4	10.0 203	- 315	Fm I 6
2139	19-07N 120-06W	6PS 1	WAG						9
2208	19-10 120-03								
2249	19-13.6 120-02	6PS 1							9 19-14 N 120-02 W
2255	19-33.3 120-04.1	6PS 1	19-26.6 120-03.4	+6.7 +1.7	19-32.7 120-02.1	+0.6 +2.0	10.0 236	118 000	Fm I
2318	19-17 119-58	6PS							9

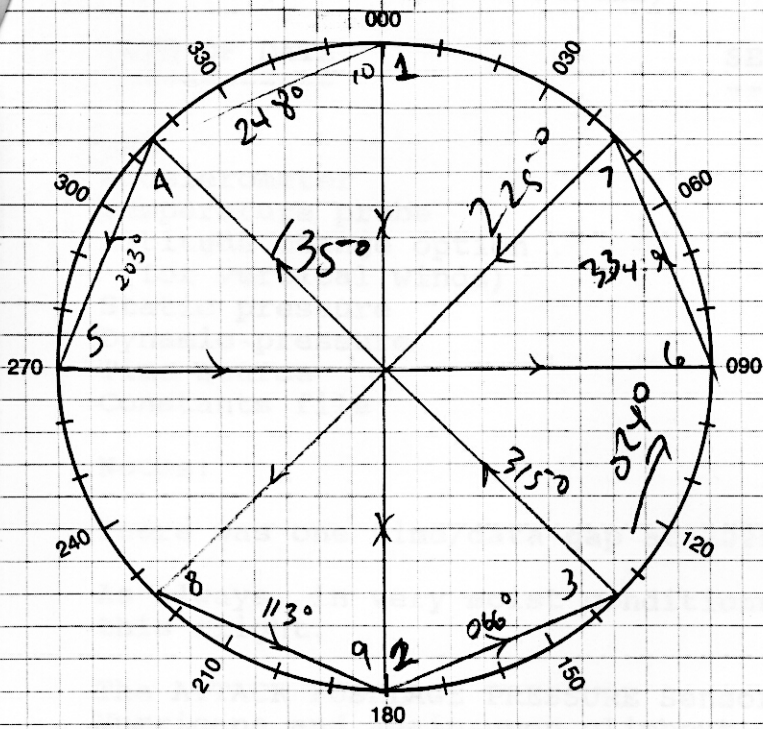
ATC CLEARANCE: 2 1800 541000

ENROUTE CLEARANCES:

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

PLOTTING CHART

N42RF



N43RF

