

19940925H1-FDIR

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.B.* 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 Rocas ✓
CP Player ✓	DATA SYS Barr ✓
NAV Strong ✓	RADAR
FE Wade ✓	BT/ODW McMillan ✓
RADIO Arneson ✓	CLD. PHYS
FD Bogert ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
McTadden ✓	UNKNOWN	AOC
Gamache ✓	P.I.	HRD
Burpee ✓		
P. Black ✓		
P. Dodge ✓		
J. Lawrence ✓	H2O Samples	U. Houston
Banca Valdez ✓	OBSERVER	ATC-Mex.
	16 S.O.B.	

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

1.0. ALT - 2987/101mb
 SP - ↓ RA 7/12 1010.9mb @ 1734Z
 PS - 1010mb

DATA INE#2 System... 182 posn EST. 19N 120° 18W
 IP = 50NM N. of EYE...
 D.P. Bar @ 1854Z;

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

59 PS EYE PENETRATIONS

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 DADWF2 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

94092514

Time	LAT	Long	TRK	Wd	WS	PA	GA	TA	Td	Sf	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	3522	10.6	8.9	—	NRIIP
0117	20 06	114 26	084	169	11	7620	8095	-18.3	-29.1	079	375.9

PROPOSED T.O.	1700Z
ACTUAL T.O.	1732

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS		
				ELAPSE ALIGN POST TIME					LAT	LONG	G S
INS 1	1513				5	1711	0311	10x00	+4.9	+1	10
INS 2 IMU	✓				5	✓	✓	✓	-14	+2.9	24

OTHER REMARKS:

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	CHOKS						
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 +3	269 265	269	Fm1						
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	-1.4 +2	18.0 308	262 263	Fm1						
1930	19-50.2 115-15.7	6PS 1						2	Fm1						
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	Fm1						
2033	18-57.7 120-04.3	6PS 1							Fm1 6						
2106:33	19-02.3 120-05.6	6PS 1	18-57.9 120-03.8	+4.3 +1.8	19-02.5 120-04.2	-1.2 +1.4	10.0 253	315	Fm1 6						
2139	19-07N 120-06W	6PS 1	WAG							6					
2208	19-10 120-03														
2249	19-13.6 120-02	6PS 1							6 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	+1.6 +20	10.0 236	118 000	Fm1						
2318	19-17 119-58	6PS							6						

ATC CLEARANCE: 2 1800 541000

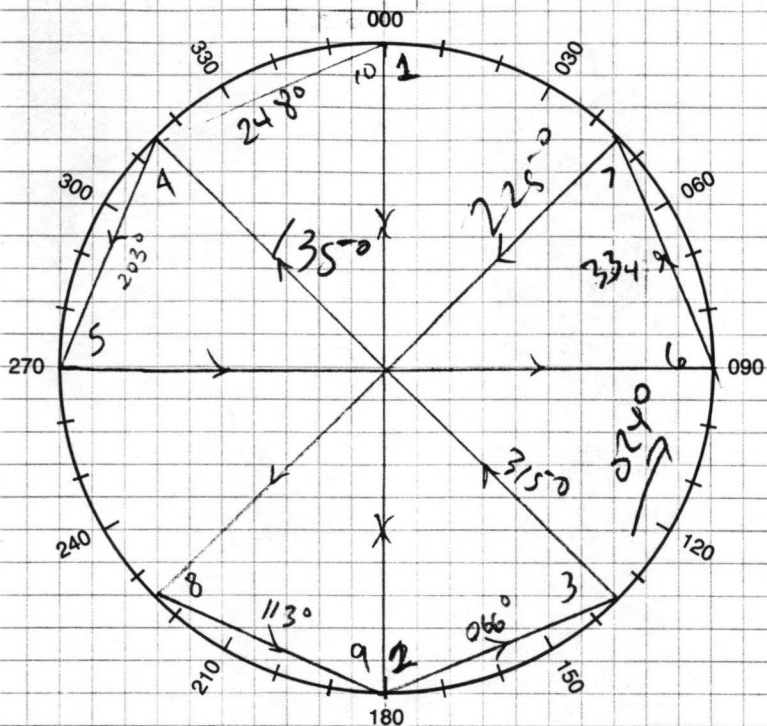
ENROUTE CLEARANCES:

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

[illegible]

PLOTTING CHART

N42RF



N43RF

