

19950829H1_FDIR

950829H N42RF HRD Hurricane Iris VME

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2 (See note)
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1
Altimeter	APN-159
Altitude change option (for vertical winds)	RA
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2951.CON

Notes:

INE 2 positions were corrected periodically with good GPS positions. No corrections were made to groundspeeds.

Removed and patched a large positive Dewpoint #1 departure around 2355Z.

JW Liquid Water instrument inoperative during this flight.

Special note. Locations 80, 81 and 82 of the Type 5 record on the Standard Tape contain vertical groundspeed, vertical airspeed and vertical wind, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

Jack Parrish, Flight Director

FLT ID: 950829H	FM: TISX	TO: TISX
FLT NO: 45-73	BLK IN: 0615	ATA: 0609
ETD: 2115Z	BLK OUT: 2108	ATD: 212030
ETE: 9.5	BLK TIME: 9:00 (9.2)	FLT TIME: 8:51 (8.9)
SPONSOR ORG: HAD	PROGRAM: VME	PURPOSE: A-SEA-RESEARCH

OAO PERSONNEL

AC McKim ✓	SYS ENG Cagoldstein ✓
CP O'Mara ✓	DATA SYS Roles ✓
NAV Strong ✓	RADAR Barr ✓
FE Wade ✓	BT (ODW) Gonzalez ✓
RADIO Arnason	CLD PHYS
FD Parrish	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Willoughby, H. ✓	Rad/ODW	HAD
Casmach ✓	PI	↓
Black, P. ✓	SEMA	
Black, M. ✓	Radw	
Smith, R. ✓	Obs	

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

230/8 FLY VME AT 7K. IP 24 00, 64 54W.

34.5/24.9

170.0	6 232130Z 23°24'N, 62°04'W 972	6 0206Z 23°35'N, 62°02'W 975
190.6	6 2352Z 23°29'N, 62°10'W 970	6 0230Z 23°35'N, 62°00'W 977
51009.6	6 001640Z 23°28'N, 62°08'W 973	6 0302Z 23°37'N, 61°58'W 976
	6 0054Z 23°30'N, 62°06'W 974	6 0357Z 23°38'N, 61°56'W 978
	6 0132Z 23°32'N, 62°03'W 975	6 0433Z 23°41'N, 61°56'W 977

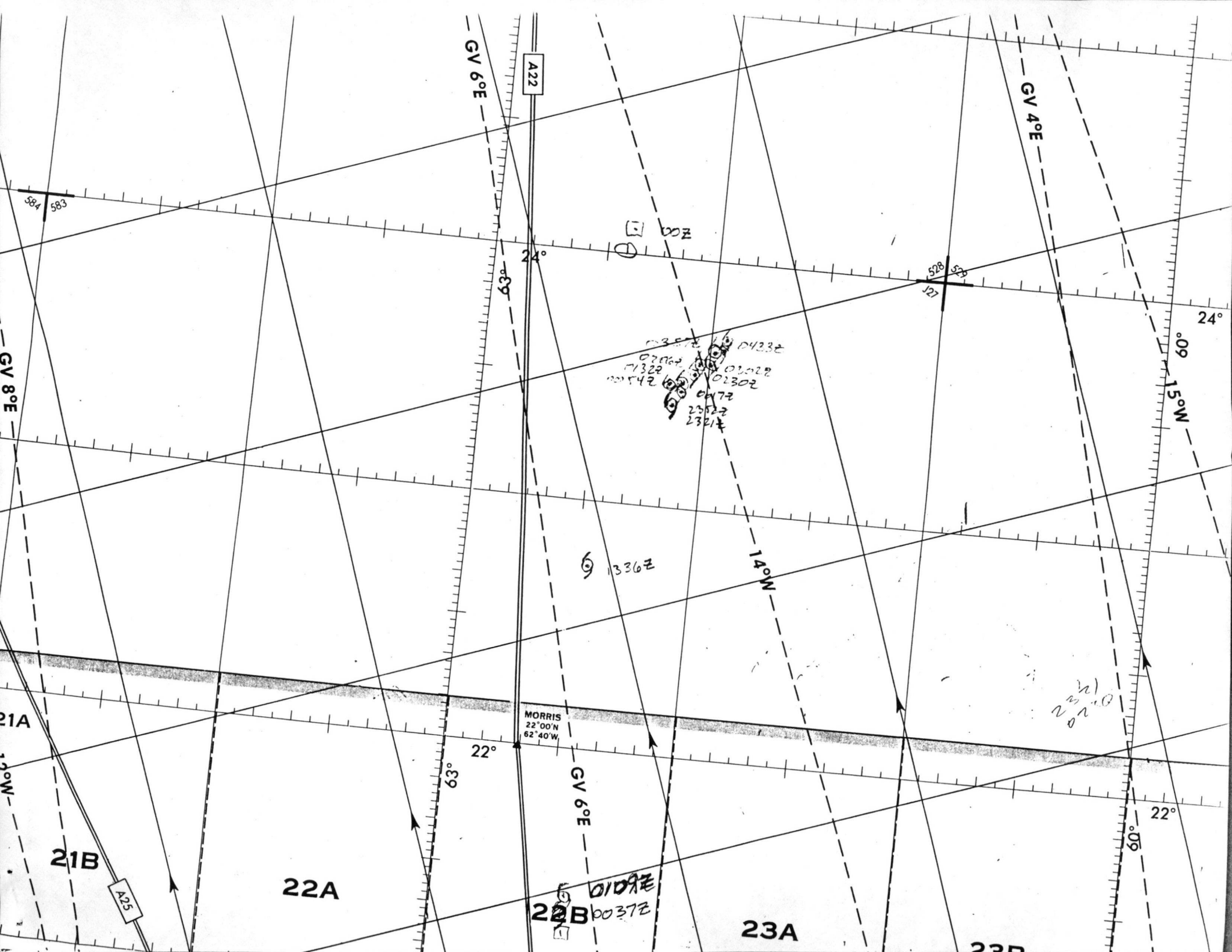
250/6 1010.7 10 penetrations

2154
6408

95082914 N. IZIS VME

23198

Time	LAT	LOD	TR	WD	WS	PA	GA	TA	TD	SA	PS				
210800	17 42	64 48						30.3	24.4		009.5	BLK			
212345	17 41	64 58	289	270	13.5	1009	1060	21.5	18.6	1011.4	1011.1				
2129	17 59.8	65 01.3	9	238	25.7	2157	2633	12.0	8.8	1009.9	134.0		2325P		
213530	18 26	64 58.3	1	241	17.6	3930	4148								
2145	19 08	64 59	258	270	8.3	4889	5166	1.1	-17.8	1004.9	548.1	-11.2			
2200	20 15	64 58.5	1	267	14	4888	5159								
2246	23 01	64 38	84	330	17	2153	2238	15.2	4.7						
2254	23 05	64 01	80	232	34.9	2155	2226	13.8	11.7	1008.0	779.8	E-Bonus			
2315	23 23	62 36	90	0	64	2157	2088	18.3	15.9	988.0	774				
232130	23 24	62 09								972		5			
232730	23 23	61 41	90	182	75	2155	2115	15.1	-	994.8	779				
233145	23 24	61 24	~	E PT											
234310	24 05	62 04	~	92	65	2153	2157	14.5	-	999	779	N PT			
235030	23 36	62 14	178	55	57	2130	1971								
2352	23 29	62 10								970		5			
0000	22 57	62 14	178	763	63.5	16.0	14.7	15.9	15.4	996	781	E PT			
000730	22 58	61 42	55E PT												
001640	23 28	62 08								973.5		5			
002745	24 03	62 38	~	167	54	2139	2160	15.5	13.3	1000.8	781.3	NWD PT			
0041	23 03	62 50	~	237	49.8	2136	2155	14.5	-	1001.3	781.8	WSW PT			
0054	23 30	62 07								974		5			
010315	23 46	61 23	60	144	59.5	2140	2144	14.5	-	1000.0	781.2	E NE PT			
011945	24 15	62 31	~	64	54	2137	2165	16.3	12.3	1001.0	781.7	NWD PT			
0127	24 07	62 45	150	64	58	2143	2136	14.9	14.9	998.1	781.2	PTB 240 E-5.5			
0139	23 22	62 03								975		5			
014640	23 02.5	61 49.7	55E PT												
015430	23 39	61 27	11	169	74	2142	2114	15.6	-	995.1	780.2				
0206	23 35	62 02								975		5			
0215	23 18.5	62 36.6	~	345	61	2145	2146	15.7	14.9	998.8	780.7	WSW PT			
02450	23 02	62 23										SSW PT			
022430	23 16.7	62 17.8	30	314	70	2145	2063	20.6	15.2	984.3	781.2				
0230	23 35	62 00								976.7		5		000/	
0240	24 10	61 59	~	107	70	2143	2150	15.8	14.4	998.1	781.2				
0302	23 37	61 58								975.6		5			
0312	23 18.5	61 19.5	~	206	67	2142	2136	15.3	14.4	997.6	781.1				
032415	24 02	61 30.5	246	130	74	2149	2131	15.2	-	998	781				
032930	24 24	61 40	285	100	67	2144	2164	14.7	14.3	2144	2164	10 DEB E-SCAT C161			
0344	24 23	61 40	30 DEB C161												
0357	23 38	61 08								978		5			
040730	23 02.5	62 03.6	75	280	50.3	2144	2130	16.3	13.6	996	781				
041430	23 12.4	61 37.8	70	230	67.1	2145	2115	17.1	14.6	994.0	781.0				
042445	23 25.2	61 22.2	300	206	69.7	2143	2107	16.3	16.5	990.8	781.2				
0433	23 41	61 56								977		5			
0449	23 25	62 04	196	0	67.7	2615	2655	14.3	8.5	998.0	781.5				
050045	22 44.5	63 07.1	202	512	35.8	5758	6289	-5.2	-	1001.3	485.6				
051715	21 26.4	63 35.7	198	282	22	6712	7109	-11.7	-22.0	1005.8	422.5	LAST OBS			
053445	19 59.5	64 05.7	199	252	19.2	6713	7121	-11.4	-29.0	1005.6	422.5				
06001	17 58.6	64 43.7	219	234	15.7	853	891	21.5	21.5	1011.7	95.2				
060615	17 44	64 54	178	230	142	612	621	23.6	22.8	1010.0	947	↓			
0614	17 42	64 47.5				22		28.2	24.1		1010.6	BLK			



584 583

GV 6°E

A22

24°

00Z

GV 4°E

528

24°

09 15°W

GV 8°E

0357Z 0423Z
0706Z 0702Z
0732Z 0702Z
0754Z 0730Z
0772
2352Z
2321Z

6 1336Z

14°W

22°00'N

21A

MORRIS
22°00'N
62°40'W

22°

GV 6°E

63°

22°

09

21B

A25

22A

0109Z
0037Z

22B

23A

23B

COMMERCE
AND ATMOSPHERIC ADMINISTRATION
SERVICE CENTER

REMARKS

MISSION PREFLIGHT LOG		NAVIGATOR	AIRCRAFT COMMANDER	FLIGHT DIRECTOR	SCHEDULED / ACTUAL TAKEOFF Z	DATE OF TAKEOFF
DESTINATION TISX	MISSION 1145 95-043	STRONG	McKim	PARRISH	2115 / 2120	8/29/95

[illegible]

INS PERFORMANCE	
	INS 1
BEGIN ALIGN TIME	1945
ALIGN STATUS (0-5)	0
END NAV TIME	0616
START NAV TIME	2057
DELTA T	9119

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	-1	14
DELTA LON	-19	1
RGS	2	0
RADIAL ERROR	2	0