

1995082741-FDIR

950827H N42RF HRD Tropical Storm Iris XCDX

<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.

Large positive departure in Dewpoint #1 removed and patched using correcter #2 around 2005Z.

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: 950827H	FM: TBTP	TO: TBTP
FLT NO: 95-41	BLK IN: 0140	ATA: 0137
ETD: 16Z	BLK OUT: 1600	RTD: 1609
ETE: 9	BLK TIME: 9:50(9.7)	FLT TIME: 9:28(9.5)
SPONSOR ORG: HAD	PROGRAM: AGSACCT	PURPOSE: V.S. R.S.

OAO PERSONNEL

AC McKim ✓	SYS ENG Goldstein ✓
CP O'Mara ✓	DATA SYS Boles ✓
NAV Strong ✓	RADAR Barr ✓
FE Wade, S. ✓	BT/ODW Gonzales ✓
RADIO Arnason ✓	CLD PHYS
FD Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Black, P. ✓	IF	HAD
Black, M. ✓	Eddo	
Gonzalez, J. ✓	Eddo	
Kaplan, J. ✓		
Smith, R. ✓		

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

Fly long butterfly pattern. First ~~S~~, then ~~X~~, then home.

FIX 1715Z 16°48'N, 61°48'W 998 mb

2005 - Bal TD - reading code

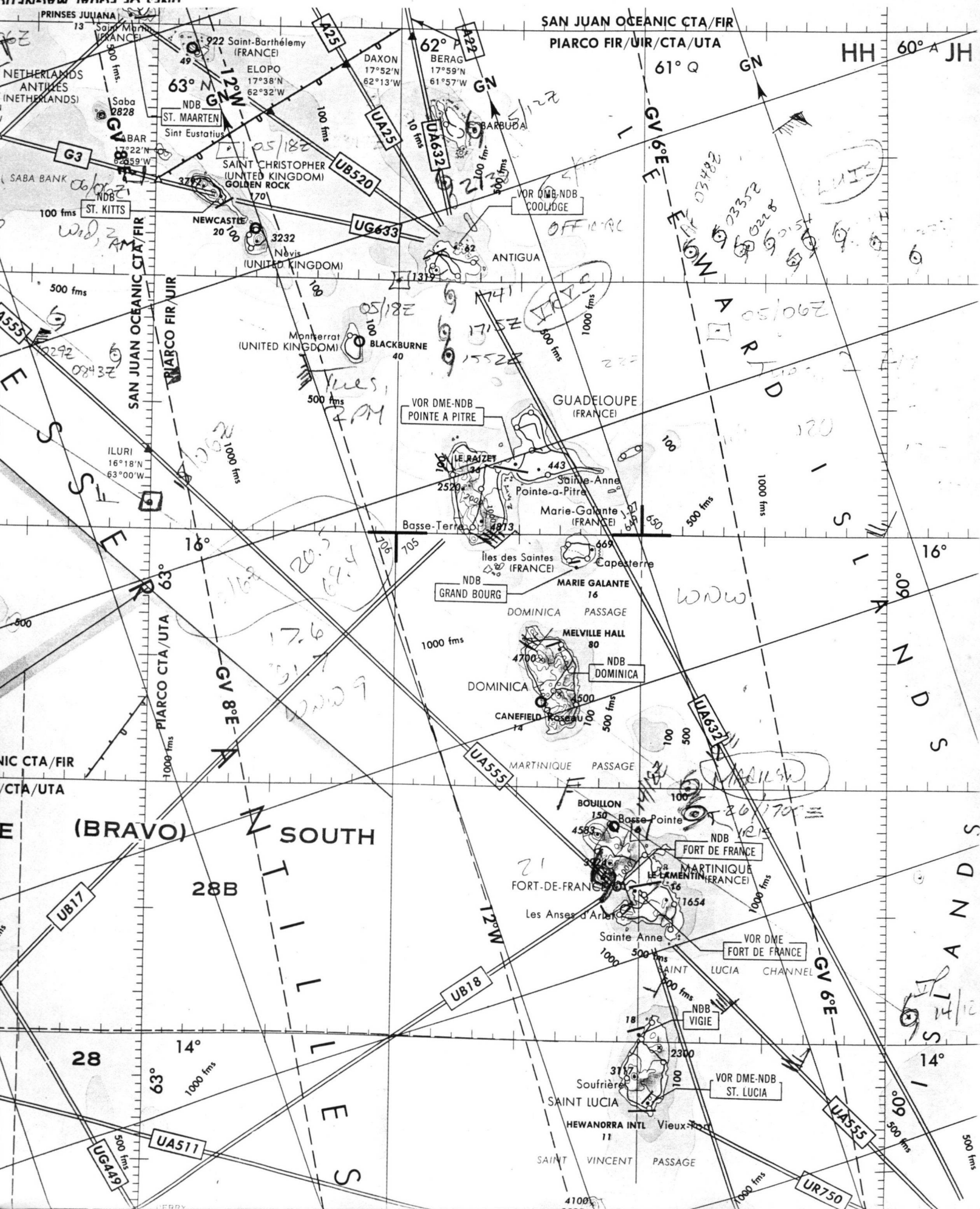
FIX 2133Z 17°23'N, 61°49'W 994 mb

FIX 001730Z 17°39'N, 61°58'W 992 mb

95082714 T.S. IRIS H413210

TEAL 29

Time	LAT	ION	TK	WD	WS	PA	GA	TA	TD	SP	PS			
1600	13 05	55 29				60		28.6	24.8		1006.3	BLK		
161115	13 08	55 35	255	194	28	683	541	20.4	—	1048	905.5	↑		
161430	13 08	55 45	323	186	36	1784	1889	14.5	14.9	1014.4	803.6	↑		
161930	13 26	55 52.5	324	216	29	3048	3225	8.0	10.0	1012.9	696.3	—		
1635	14 16	60 40	317	230	35	3061	3211	9.1	9.3	1009.7	695.4			
164615	14 54	61 07	342	334	34	3062	3200	10.5	7.7	1006.7	695.6			
1715	11 08	61 48									998	↓		
172045	16 59	61 27	55	177	23	3062	3156	9.2	10.4	1002.7	695.7			
174515	18 03.5	59 53.7	55	151	32	8.7	—	3060	3205	1010.3	695.7			
175715	18 39	59 00	55	172	16.5	3059	3213	3057	8.9	6.7	695.8			
181045	19 07.5	58 14.5	56	146	10.0	3059	3218	8.6	7.4	1012.2	695.7			
1822	19 36	57 34	55	154	8.4	3058	3218	8.9	6.9	1011.7	695.9			
183230	20 04.5	57 03.2	267	182	2.9	3059	3222	8.7	9.1	1011.9	695.7	DRP	CH. 3	NE (P)
1840	19 58	57 37												
1851	20 00.2	58 29.0	271	138	11.7	3044	3207	9.1	7.5	1012.1	697.1			
1907	20 00	59 47	268	111	17	3056	3210	8.5	—	1010.4	696.2			
1920	19 59.9	60 52.0	269	104	25	3051	3202	9.1	7.6	1010.6	696.4			
1935	19 59	62 08	272	74	31	3053	3198	8.3	9.7	1009.8	696.5			
195345	20 00	63 39	268	59	18.5	3049	3155	10.3	4.8	1009.5	696.5			
2008	20 00	64 46	269	60	19.4	3052	3201	9.9	12.5	1010.8	696.6			
202455	19 54	65 57	122	48	17.7	3050	3202	9.2	8.9	1011.8	696.5	DRP	CH 3	NW (P)
204030	19 20	65 04	123	69	18.5	3057	3204	10.2	18.4	1010.2	696.0			
2100	18 35	63 50	123	71	22	3058	3194	9.3	8.0	1007.9	695.9			
211215	18 06	63 05	123	43	38	3056	3159	11.4	4.6	1007.2	696.1			
2133	17 23	61 49				3063	3112	12.5	11.5	994	695.5	↓		
2157	16 04.6	60 17.8	145	204	32.2	3065	3203	10.5	8.7	1006.8	695.2			
2228	14 42	59 44	130	204	34	3066	3224	9.0	7.6	1011.2	695.0			
2229	14 26	59 35										SE TURN	LO	
223212	14 28	59 47	279	207	30.2	3067	3227	9.4	6.8	1010.9	695.2	DRP	3	
2244	14 35	60 35	276	265	15.3	3065	3222	9.6	6.2	1010.0	695.2			
2256	14 43	61 23	278	226	12	3065	3219	10.9	6.6	1008.1	695.3			
2313	14 54	62 34	279	264	18.7	3064	3212	10.4	7.8	1007.7	695.5			
232745	15 02.6	63 33.5	277	251	16.6	3066	3214	10.7	6.0	1008.3	695.2			
233345	15 05	63 57	18	240	16.2	3065	3212	10.5	4.9	1008.5	695.9	SD	15	
2349	15 59	63 14.5	39	253	16.6	3070	3214	9.9	9.6	1007.7	695.4			
001730	17 39	61 58									992	↓		
002945	17 01	61 30.5	153	235	39.7	3047	3169	9.9	7.9	1006.3	699.6			
004630	16 01	60 59	153	217	32	3051	3206	10.3	6.9	1007.4	696.2			
005915	15 15	60 35	153	214	25	3048	3209	11.0	3.6	1009.8	696.9			
011815	13 59	59 55	153	221	24.3	3053	3228	8.9	7.2	1013.6	696.3			
012715	13 23	59 37	154	222	15.3	3047	3220	8.4	6.3	1013.6	697.0	↓		
0140	13 04.6	59 29.4				57		33.7	23.2		1006.5	BLK		



SCHEDULED / ACTUAL TAKEOFF Z	DATE OF TAKEOFF
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MISSION PRE-FLIGHT LOG									
NOAA FORM 56-49 (2-95) N42RF	DESTINATION IPBP	MISSION IRIS 95-41	STRONG	McKim	PARRISH	1500Z	1609	8/27/95	

[illegible]

INS PERFORMANCE		
	INS 1	INS 2
BEGIN ALIGN TIME	153.5	153.5
ALIGN STATUS (0-5)	0	0
END NAV TIME	0141	0141
START NAV TIME	153.5	153.5
DELTA T	9135	9135

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	11.0	+11
DELTA LON	-4.3	-4.
RGS	13	10
RADIAL ERROR	5	4

[illegible]