

11 19950826I1.FDIR

T. S. IRIS Ferry to Barbados

FLIGHT #01 I950826

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 99
Constants file	CO3958.CON

Notes:

There was one time/data gap: 184211Z - 184220Z

Total temperature #1, TT1, froze up between 2204Z - 2206Z. The spike generated from this was removed and patched over.

During the formation flying with N42RF, radar altimeter values from the RA232 were substituted for RA159 values. Later in the flight, during the pass through T. S. IRIS (2145Z - 2200Z), altimeter values from the GPS were used in place of RA159 values.

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. It is recommended that these values be used for vertical wind analysis.

	Takeoff -----	Landing -----
Aircraft static pressure	1013.5mb	1002.7mb
Corrected tower pressure	1014.0mb	1002.0mb

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

FLT ID: <u>1950826</u>	FM: <u>MCF</u>	TO: <u>TBPB</u>
FLT NO: <u>95-058</u>	BLK IN: <u>1556Z/2230Z</u>	ATA: <u>1554Z/2228Z</u>
ETD: <u>1500Z</u>	BLK OUT: <u>1456Z/1712Z</u>	ATD: <u>1506Z/1722Z</u>
ETE: <u>11</u>	BLK TIME: <u>1:00/5:18</u>	FLT TIME: <u>1:48/5:06</u>
SPONSOR ORG: <u>HRD</u>	PROGRAM: <u>HRON. RESEARCH</u>	PURPOSE: <u>FERRY TO BARBADOS</u>

OAD PERSONNEL

T.S. IRIS

AC <u>KENNEDY</u>	SYS ENG
CP <u>PLAYER</u>	DATA SYS <u>LYNCH</u>
NAV <u>KOZAK</u>	RADAR
FE <u>BAST/MOORE</u>	BT/ODW <u>McMILLAN</u>
RADIO <u>SANS SOUF</u>	CLD PHYS <u>PRADAS-BERGNES</u>
FD <u>DAMIANO</u>	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAD

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
<u>CLOSSER</u>	<u>MECH</u>	<u>ACC</u>
<u>McFADDEN</u>	<u>Proc Man</u>	<u>ACC</u>
<u>MARKS</u>	<u>PT</u>	<u>HRD</u>
<u>KAPLAN</u>	<u>OBS</u>	<u>S</u>
<u>GRIFFIN</u>	<u>WORKSTATION</u>	
<u>FRANKLIN</u>	<u>ODW</u>	
<u>LEIGHTON</u>	<u>OBS</u>	

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)
 T/O from MCF delayed due to weather. Stopped in MIAMI (OPF) to pick up HRD Folks.

TT3 > TT1 by .6°C

TT1 > TT2 by .5°C

700 mb
11.9°C
7.4°C

During intercomparison used RA232

2153Z T.S. IRIS

1444.9

6108

at 445 mb

Intercomparison
 1741Z - 1746Z at 10K
 175145 - 175645 1.5K

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

FLT ID: I950826 TIME OFF: 1506Z/1722Z TIME ON: 1554Z/2228Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1012.2/1013.5		1014.2/1002.7	

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

1

FAST FLT LVL TAPES

RADAR TAPES

1

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

PMS

1

AXBT

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

I950826

TIME	LAT	LONG	TRK	HD	WD	WS	PA	GA	TA	TD	SP	PS		PQ
150800	2748	8230	92	99	218	33	554	612	22.5	22.0	1014.2	935.7	RWT	75.1
151600	2722	8220	185	188	242	13	3351	3536	8.7	3.7	1010.9	670.4	RWT	84.2
152700	2644	8151	128	130	222	7	3348	3543	9.0	2.9	1012.8	671.7	CLD BLW	79.5
153500	2622	8120	127	130	180	12	3338	3531	9.3	2.2	1011.6	675.7	CLD BLW	89.8
172500	2556	8005	63	69	180	15	1173	1301	20.9	15.4	1013.9	871.2	CLD S	63.1
173820	2555	7915	126	129	173	11	3034	3208	16.7	.7	1012.0	697.9	IN CLR	66.1
174100	Start intercomparison at 10K with N42RF													
174600	end													
175145	Start intercomparison at 1.5K													
175645	end intercomparison													
181000	2449	7732	121	122	102	8	5082	5410	-1.3	-13.5	1010.0	532.0	ABV CLD S	57.1
183100	2402	7606	120	118	58	17	6422	6826	-10.3	-23.1	1009.8	445.1	ABV CLD S	75.1
190900	2226	7304	122	121	47	12	6421	6814	-10.3	-23.9	1008.3	445.3	ABV CLD S	78.1
200400	2000	6851	121	120	32	11	6415	6799	-10.5	-24.3	1008.4	445.6	ABV CLD	75.1
204200	1815	6558	122	121	16	9	6414	6670	-9.7	-19.1	993.6	445.6	ABV CLD	77.1
210700	1703	6406	122	120	8	17	6415	6784	-9.3	-20.4	1003.1	445.6	BTN CLD	78.1
212800	1600	6233	118	116	16	20	6415	6777	-8.4	-22.8	999.6	445.6	BTN CLD	76.3
213400	1545	6207	120	116	34	23	6414	6775	-8.3	-22.8	997.6	445.7	BTN CLD	74.1
214000	1530	6139	121	117	37	25	6414	6766	-10.0	-14.3	1002.7	445.7	IN CLD	71.1
220200	1409	6047	124	127	252	20	6153	6456	-7.4	-11.0	1000.6	467.9	IN CLD	98.1
222000	1317	5943	145	152	199	28	977	989	21.4	17.9	1009.6	905.1	IN CLD	62.1

