

19950829I1.FDIR

H. IRIS VME

FLIGHT #03 I950829

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	1
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 were no time/data gaps.

Dewpoint temperature #1, DW1, behaved erratically throughout the flight especially during the time frame, 0420Z - 0455Z. Values from DW2 were substituted for DW1 during this period. The DW1 instrument was balanced during the following time frames:

0048Z - 0053Z
0128Z - 0131Z

The erroneous values generated by this activity were removed and patched.

Total temperature #1, TT1, iced up during the frame 2322Z - 2326Z.
The erroneous values were removed and patched.

Downward spikes in radar altimeter output are a result of overflying land.

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
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Aircraft static pressure	1006.0mb	1010.5mb
Corrected tower pressure	1006.3mb	1010.0mb

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

FLT ID: 1950829	FM: TBPB	TO: POW TISX
FLT NO: 95-060	BLK IN: 0624	ATA: 0619Z
ETD: 2100Z	BLK OUT: 2050Z	ATD: 2059Z
ETE:	BLK TIME: 9:34	FLT TIME: 9:20
SPONSOR ORG: HRD	PROGRAM: HELN. RESEARCH	PURPOSE: VME & H-IRIS

DAO PERSONNEL

AC KENNEDY	SYS ENG
CP PLAYER	DATA SYS LYNCH
NAV KOZAK	RADAR
FE MOORE / BAST	BT/ODW McMILLAN
RADIO SANS. SOUT	CLD PHYS PRADIS-BERGNES
FD DANIELANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CLOSSER	MECH	AOC
MCFADDEN	??	AOC
MARKS	HRD	
FRANKLIN		
GRIFFIN		
KAPLAN		
LEIGHTON		

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

220920 first abv cld	2322Z NY3RF	AF fix
2321Z NY4RF	2335Z 6207	2315Z
2324Z 0053Z	0137Z 6207	2323Z
6209Z 2330Z	2336Z 6153	6200Z
2335Z 0138Z	0206Z 0302Z	76 KTS
2329Z 2332Z	0433Z 2341	976 SUMME
6210Z 6203Z	6156 978nb	2331Z 0057Z
0045Z DN2 out	2323Z LIGHTNING STRIKE A/C	6202Z
0050Z BAL ONI		75 KTS W
0130Z		971 EXTRAP

OVER

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2 FILE

FLT ID: 1950829 TIME OFF: 2059Z TIME ON: 0619Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1006.0		1010.5	

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	2	
DOPPLER TAPES		
ODW CASSETTES	9	
HARD COPIES		
PMS	2	
AXBT		
AXCP		
ODW	22	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

Took a hit from lightning during first penetration of the storm. Decided to be at 14K feet for following penetrations.

55019

2608Z

21500

I950829

TIME	LAT	LOD	TRK	HD	WD	WS	PA	GA	TTA	TD	SP	PS		PA
210000	1305	5926	74	80	151	10	478	514	24.4	20.6	1014.1	945.6	CLR	57.1
211900	1406	6001	324	337	114	9	4789	5079	.2	-7.4	1009.1	553.2	CLR	57.1
213000	1449	6024	335	337	119	9	5513	5844	-2.9	-17.4	1005.9	504.2	CLR	77.0
215400	1629	6127	333	333	225	5	5510	5795	-3.1	-17.6	1005.5	504.4	CLR	76.4
220700	1727	6151	352	350	261	12	5511	5843	-3.3	-16.4	1006.8	504.5	CLR	78.2
222100	1836	6201	350	348	244	17	5507	5837	-3.9	-12.3	1007.9	504.4	CLD BLW	80.1
224208	2022	6210	359	355	244	31	5506	5821	-4.0	-17.0	1007.1	504.6	Good	79.1
225438	2123	6209	0	335	253	31	5505	5806	-4.3	-11.3	1005.6	504.8	Good	72.1
230900	2233	6205	9	359	267	57	5516	5769	-2.5	-5.3	994.4	503.9	Good	72.1
233235	2402	6224	221	221	60	30							Good	72.1
234523	2311	6300	92	81	342	42			-2.1	-6.3		504.1	Good	69.1
235100	2311	6231	82	74	326	44	5512	5740	.8	-6.4	984	504	Good	69.1
000539	2318	6110	129	142	210	52	5522	581	-3.2	-4.5	996.4	503.5	Good	67.1
001748	2250	6023	129	138	211	38	5524	5824	-4.1	-8.5	1003.6	503.3	Good	69.1
003153	2217	5933	0	356	220	37	5523	5843	-3.9	-21.1	1006.9	503.4	Good	78.1
005320	2405	5934	0	2	176	27	5522	5840	-4.6	-12.8	1007.7	503.6	Good	64.1
010327	2451	5940	241	237	162	27	5522	5841	-4.3	-8.5	1006.4	503.6	Good	70.1
011635	2421	6035	240	239	147	33	5522	5823	-3.5	-10.6	1002.9	503.9	Good	66.1
015350	2258	6246	104	99	100	100	4291	4470	4.8	3.9	998.5	593.5	Good	74.1
020653	2259	6159	329	320	271	56	4290	4432	7.5				Good	74.1
023058	2434	6220	8	17	82	37	4273	4466	4.4	1.7	1001.8	595	Good	76.1
024237	2523	6213	7	14	76	29	6109	6457	-7.2	-11.3	1002.2	465	Good	71.1
025347	2606	6216	242	242	70	20	6109	6469	-5.5	-21.9	999.9	465	Good	72.1
025941	2552	6245	241	243	51	22	6109	6466	-5.7	-21.4	1000.1	465	Good	75.1
031500	2513	6404	241	245	22	24	6108	6471	-6.5	-21.7	1002.9	465	Good	75.1
032343	2449	6438	116	112	6	28	6107	6466	-7.4	-22.5	1005.6	465	Good	73.6
033524	2424	6340	115	110	9	32	6106	6450	-6.3	-21.3	1000.9	465	Good	73.9
041149	2325	6100	347	341	208	47	4302	4461	3.9	4.4	997.2	594	Good	80.5
042805	2414	6133	215	207	131	48	4244	4420	4.6	7.2	992.8	594	Good	74.1
044842	2256	6228	248	259	311	50	5449	5720	-3.0		990.9	503.6	Good	58.9
050236	2238	6328	250	256	305	27	6406	6766	-9.0	-20.2	1001.7	446.1	Good	67.6
051400	2220	6427	253	256	288	15	6406	6777	-8.4	-20.0	1002.9	446.1	Good	77.5
054200	2011	6442	181	185	270	18	6405	6787	-9.2	-23.6	1005.4	446.3	Good	76.6