

Florida Bay ETL Ocean Remote Sensing

Flight #5 H000531

DATA TYPE	SENSOR or OPTION
INE	1
Accelerometer	1
Temperature Probe	1
Altitude (for vertical wind)	RA159
Static Pressure	Fuselage
Dynamic Pressure	Fuselage
Dewpoint Probe	2
Constants File	CO2003.CON

Notes:

There were no data/time gaps.

The Johnson-Williams Liquid water probe was not operating.

The King Liquid water probe was operating but could not be zeroed-out.

There were a few electronically-generated spikes in dewpoint sensor #2, DW2 output.
These spikes occurred during the following times:

1344Z - 1348Z

1358Z - 1402Z

1501Z - 1505Z

1510Z - 1513Z

The erroneous data was removed and patched over.

The selected total temperature probe, TT1, produced erroneous data from 1801Z - 1804Z.
The erroneous data was removed and patched over.

Downward spikes in radar altimeter values were due to overflying land.

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 wind speeds, respectively, derived from Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft static pressure	1018.0 mb	1016.1 mb
Corrected tower pressure	1018.2 mb	1016.4 mb

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

FLY ID: H000531	FM: KMCF	TO: KMCF
FLY NO: 00-54	BLK IN: 2110Z	ATA: 2103Z
ETD: 1300Z	BLK OUT: 1315Z	ATD: 1327Z
ETE:	BLK TIME: 7:55 (7.9)	FLT TIME: 7:36 (7.6)
SPONSOR ORG: NSF/ETL	PROGRAM: OCEAN REMOTE SENSING	PURPOSE: OIL SEEPAGE OVER FLA BAY

DAO PERSONNEL

AC KENUC	SYS ENG
CP O'MARA	DATA SYS LYNCH
NAV NEWMAN	RADAR
FE WADE	BT/ODW HORN BROOK
RADIO	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
FEDOR	PI	ETL
FALLS	ASST. PI	ETL

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

1347Z Bal DW1 DW1 failed at blown fuse
 1400 fix DW2 Replaced fuse but still not working
 Turned off at 1512Z

DW 14°C landing
 Prob Temp 33.5°C

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

FLT ID: H000531 TIME OFF: 1327Z TIME ON: 2103Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1018.0	1018.2	1016.1	1016.4

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

2

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

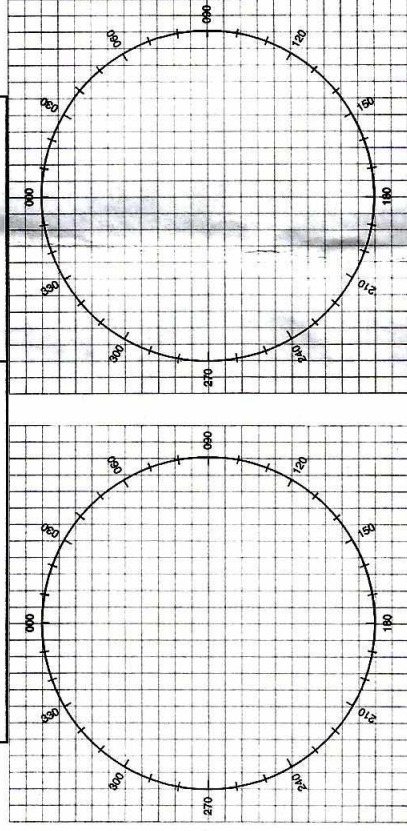
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TIME	LAT	LONG	TRK	HD	CWD	WS	TA	TD	PA	GA	SP	PS		
133500	2739	8222	212	220	69	3	10.7	8.8	205	2173	1019.5	785.0	HAZE	62.5
135100	2756	8330	293	294	341	2	7.8	-37.2	3627	3827	1010.4	642.0	HAZE	76.5
140400	2827	8417	308	309	121	9	19.8	5.9	848	935	1019.3	915.6	CLD	65.9
141000	2830	8430	268	268	95	16					1016.7		BUOY	
142300							RD=25.4	RD=25.4					BUOY	
142420														
150900	2708	8241	139	141	289	9	5.9	-35.9	3610	3810	1013.7	648.4	CLD	74.3
153000	2557	8134	119	120	288	9	4.1	-24.1	3612	3814	1016.0	648.3	CLD BLW	81.5
154335	2541	8117	243	242	105	8	20.4	18.8	840	920	1018.0	916.5	Start leg 1	66.6
154800	2533	8133	241	241	108	9	20.9	17.1	840	922	1018.0	916.4	- CLD	68.2
155315	2524	8151	241	241	87	7	21.2	16.4	837	922	1018.1	916.3	end leg 1	63.8
155645	2521	8148	61	62	102	2	21.2	16.9	839	923	1018.1	916.5	start leg 2	68.0
160640	2538	8114	61	62	41	6	20.4	18.1	835	914	1018.0	916.4	end leg 2	63.9
161105	2545	8119	243	243	64	10	20.3	18.0	833	914	1017.9	916.9	start leg 3	68.6
161800	2533	8144	242	242	71	7	20.9	17.1	833	917	1018.4	917.0	- CLD	66.0
162050	2529	8154	242	242	78	5	21.4	16.2	835	919	1018.1	916.9	end leg 3	67.0
162610	2526	8151	62	63	53	8	23.1	22.1	397	449	1017.1	966.4	start leg 4	67.0
163000	2532	8138	63	63	63	8	23.4	20.8	393	447	1017.0	966.7	- CLD	68.5
163620	2542	8117	64	63	51	10							end leg 4	
164210	2533	8112	242	243	48	5	21.4	17.6	824	899	1017.3	918.1	start leg 1	66.7
164600	2527	8126	243	244	87	7	21.7	15.3	827	907	1017.9	917.8	CLD	66.6
165145	2517	8146	244	244	117	5	21.2	16.6	827	909	1017.9	917.8	end leg 1	66.6
165520	2512	8144	62	63	196	2	21.6	14.6	827	907	1017.8	917.9	start leg 2	66.1
170000	2520	8127	62	64	165	5	21.1	16.0	826	909	1018.1	917.8	- CLD	67.2
170520	2538	8109	63	62	46	3	20.9	19.0	823	909	1018.4	918.1	end leg 2	69.4
170955	2527	8114	239	239	79	10	20.7	19.2	831	905	1017.8	918.5	start leg 3	67.2
171940	2519	8148	240	240	101	8	21.3	16.1					end leg 3	
172350	2516	8146	62	64	102	7	23.8	20.7	404	457	1017.0	965.6	start leg 4	69.6
172800	2522	8132	62	64	95	4	24.4	19.6	403	454	1016.8	965.6	- CLD	64.7
173000														
174100	2513	8133	242	243	251	5	21.8	15.9	819	898	1017.5	918.7	leg 1	67.6
174340	2508	8142	242	243	47	3	21.7	16.3	818	897	1017.5	918.8	end leg 1	66.9
174650	2505	8139	62	61	337	3	21.9	14.2	818	897	1017.7	918.9	start leg 2	65.5
175000	2510	8128	62	62	308	8	21.7	15.1	820	897	1017.4	918.5	- CLD	67.7
175645	2522	8105	63	62	351	2	21.2	15.0	816	894	1017.7	918.7	end leg 2	73.0
180035	2529	8111	243	244	240	2	20.4	18.6	820	900	1017.7	918.7	start leg 3	69.7
180700	2518	8134	242	243	312	3	21.7	16.2	818	894	1017.2	918.8	CLD	66.4
181005	2513	8144	244	245	313	3							end leg 3	
181425	2509	8142	61	61	368	4	24.8	19.1	382	431	1016.4	968.1	start leg 4	65.7
182100	2521	8120	61	62	215	3	23.9	21.0	382	433	1016.8	968.1	CLD	68.5
182435	2527	8108	60	62	209	3							end leg 4	
83525	2500	8111	89	90	195	2	21.6	15.5	853	931	1017.3	914.8	start leg 1	63.7
84705	2500	8025	91	91	28	2	22.1	14.8	820	896	1017.1	918.6	end leg 1	66.0
85040	2505	8025	269	270	75	4	21.3	13.7	823	895	1016.7	918.7	start leg 2	66.2
90225	2505	8111	270	270	85	2	21.5	15.6	818	892	1017.1	918.4	end leg 2	64.1
90745	2455	8109	90	90	4	4	21.3	16.6	823	896	1017.2	918.2	start leg 3	67.9
91900	2455	8025	91	90	348	6	21.5	15.2	819	891	1016.9	918.5	end leg 3	68.6
92235	2500	8025	270	270	34	9	23.9	18.6	399	443	1015.9	965.9	start leg 4	70.4
93100	2500	8059	271	272	45	6	24.0	18.9	401	444	1015.9	965.8	CLD	69.0
93400	2500	8111	271	272	53	6	24.0	19.0					end leg 4	

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TIME	LAT	LOU	TRK	HD	WD	WS	TA	TD	APA	GA	SP	PS		PQ
193825	2502	8111	89	89	318	8	21.5	15.8	825	898	1016.7	918.2	start leg 1	68.3
194600	2502	8041	90	90	323	3	22.2	12.5	822	888	1015.6	918.3	CLR	64.4
195000	2502	8025	90	89	324	7	21.3	15.1	826	894	1016.5	917.9	end leg 1	73.3
195330	2457	8025	269	270	53	3	21.7	15.1	824	891	1016.3	918.2	start leg 2	69.2
200100	2456	8055	269	270	56	3	21.8	15.3	824	891	1016.3	918.2	- cld	67.0
200500	2456	8111	269	270	30	3	21.3	16.3	825	893	1016.3	917.2	end leg 2	65.2
203200	2643	8143	349	351	46	10	-3.6	-37.3	4862	5121	1013.0	550.5	ABV CLD	66.7

PAGE OF

[illegible]

POSITION REPORT

- | 1. POSITION | 2. TIME | 3. ALTITUDE | 4. NEXT POSITION | 5. ETA | 6. NEXT POSITION |
|-------------|---------|-------------|------------------|--------|------------------|
| | | | | | |

- PILOT INTENTIONS
- WE HAVE
- ENDURANCE REMAINING

[illegible]

INS PERFORMANCE		INS 1	INS 2
BEGIN/ALIGN TIME	1200	1200	1200
ALIGN STATUS (0-5)	0	0	0
END NAV TIME	2100	2100	2100
START NAV TIME	1300	1300	1300
DELTA T	8	8	8

TERMINAL ERRORS		
	INS 1	INS 2
DELTA LAT	+7	+7.7
DELTA LON	-1.2	+1.5
RGS	2	9
RADIAL ERROR	7	2

[illegible]