

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 071025 I	From: KMCF	To: KMCF
Flt No: —	In: 1848Z	On: 1842Z
ETD: Z	Out: 1229Z	Off: 1242Z
ETE: 6 + 30	Blk Time: 6 + 19 6.3 Hrs	Flt Time: 6 + 00 6.0 Hrs
Sponsoring Org: NOAA/AOC	Program:	Purpose: WIND CAL

AOC Flight Crew

Aircraft Commander: STRONG	Data System: LYNCH
Co-Pilot: NELSON /	AVAPS: RASCO
Navigator: BISHOP /	System Engineer:
Flight Eng: FLOYD, D /	AA:
Flight Director: SHEPHERD DAMIANO	AA:
Avionics: ALMEIDA	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation

Remarks (Storm Name, Mission ID, Recco Times, Fix Times) Recco Times Fix # Fix Time

Storm Name: _____

Mission ID: _____

1743 BAL DPT #2
163810 Printer error

(See reverse for additional remarks)

U.S. DEP'T OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID: <u>071025I</u>		TIME OFF: <u>1242</u> Z		TIME ON: <u>1842</u> Z	
	A/C - Takeoff	WX Station - Takeoff	A/C - Land	WX Station - Land	
Pressure	<u>1012.1</u>	<u>29.89</u>	<u>1012.1</u>	<u>29.94</u>	
ATIS - Takeoff					
ATIS - Land					
Data Source	Number	Data Disposition / Date / Quality			
Flight Level Tapes					
Radar Tapes					
Cloud Physics Tapes / Cds					
Video Tapes/DVDs					
Dropsondes	<u>4</u>	Good:	Bad:		
AXBT					
AXCP					
AXCTD					
SONOBUOY					
REMARKS:					

200/020

FIX TYPES
(G) - GPS (I) - INS (R) - RADIO (V) - VISUAL (C) - CELESTIAL (D) - DR

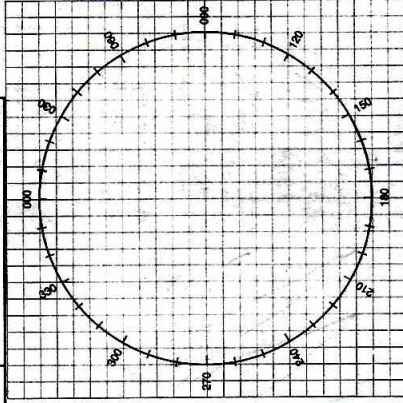
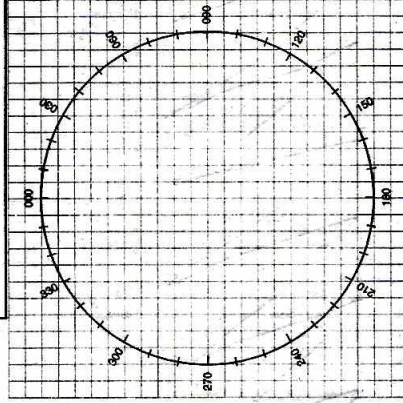
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MISSION LOG

[illegible]

[illegible]

POSITION BEPOT



TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N/S _____

- HEADING _____ TRUE/MAG _____

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT WITH _____ SOULS ON BOARD _____
- NATURE OF EMERGENCY _____

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

- PILOT INTENTIONS

1. POSITION

2. TIME

3. ALTITUDE

4. NEXT POSITION

5. ETA

6. NEXT POSITION

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1234	ENG																				
1239	ENG																				
1242	T/O																				
1301	△	25-55.5 85-37.3	25-55.1 85-40.0	+1.4 -1.7	25-55.5 85-37.8	0 -1.5	217 218	2W MW	215 216	0 0	213 216	231 231	216 216	026 026	10.0 10.0	259 259					259/259
1403	△	25-55.5 85-37.3	25-55.1 85-40.0	+1.4 -1.7	25-55.5 85-37.8	0 -1.5	217 218	2W MW	215 216	0 0	213 216	231 231	216 216	026 026	10.0 10.0	259 259					259/259
1505	△	25-55.5 85-37.3	25-55.1 85-40.0	+1.4 -1.7	25-55.5 85-37.8	0 -1.5	217 218	2W MW	215 216	0 0	213 216	231 231	216 216	026 026	10.0 10.0	259 259					259/259
1610	△	25-55.5 85-37.3	25-55.1 85-40.0	+1.4 -1.7	25-55.5 85-37.8	0 -1.5	217 218	2W MW	215 216	0 0	213 216	231 231	216 216	026 026	10.0 10.0	259 259					259/259
1700	△	25-55.5 85-37.3	25-55.1 85-40.0	+1.4 -1.7	25-55.5 85-37.8	0 -1.5	217 218	2W MW	215 216	0 0	213 216	231 231	216 216	026 026	10.0 10.0	259 259					259/259
1801	△	25-55.5 85-37.3	25-55.1 85-40.0	+1.4 -1.7	25-55.5 85-37.8	0 -1.5	217 218	2W MW	215 216	0 0	213 216	231 231	216 216	026 026	10.0 10.0	259 259					259/259
1842	△	25-55.5 85-37.3	25-55.1 85-40.0	+1.4 -1.7	25-55.5 85-37.8	0 -1.5	217 218	2W MW	215 216	0 0	213 216	231 231	216 216	026 026	10.0 10.0	259 259					259/259

Flight ID: 0710251

Launcher S/N:

[illegible]

071025T

020905Z

	LAT	LON	TA	TD	TK	SHD	RA	PS	SP	WD	WS	WZ	SFWS	COMMENTS
115427	27.50.94	-82.29.58	19.0	11.9	90.0	135.2	1.0	1011.7	1012.7	141.5	1.1	1.0	0.0	YIPPEE - 7 Hours of Wind Cal Flight!!!!
122505	27.50.94	-82.29.58	21.5	13.4	90.0	135.2	1.0	1012.0	1013.2	143.0	1.4	.4	0.0	Engine starts
122605	27.50.94	-82.29.58	21.6	13.5	90.0	135.2	1.0	1012.1	1013.2	139.3	1.4	.2	0.0	
122904	27.50.94	-82.29.58	21.9	13.7	136.3	135.2	1.0	1012.1	1013.1	141.4	2.1	.3	0.0	Block out
124201	27.51.18	-82.31.08	20.1	16.4	40.6	40.6	1.0	1012.4	1013.6	296.9	1.5	2.8	0.0	Take off
131134	27.18.60	-83.50.34	8.4	-18.9	225.9	224.9	3203.0	696.6	1007.8	206.0	14.6	1.7	0.0	Abt 135 mi frm buoy
134738	25.53.22	-85.40.62	10.4	-22.7	211.0	212.7	3036.0	710.3	1006.5	213.9	9.6	1.6	0.0	10k, 180ias, into
135121	25.42.78	-85.47.40	10.0	-21.9	210.3	212.6	3047.0	710.3	1007.4	220.0	8.3	1.5	0.0	End into, 90/270
135441	25.43.26	-85.47.28	9.9	-21.9	30.3	31.7	3043.0	710.4	1007.4	212.1	9.6	1.4	.9	10k, 180ias, tail wnd
135854	25.57.36	-85.38.22	10.5	-22.6	26.7	26.3	3040.0	710.7	1006.7	215.6	10.5	1.2	0.0	End tail wnd @180 ias; 90/270 inc to 210
ias														
140220	25.58.02	-85.37.44	10.3	-22.5	215.7	216.9	3043.0	710.6	1006.9	218.1	9.2	1.9	0.0	10k, 210 ias, into wnd
140554	25.46.80	-85.46.14	10.2	-22.9	215.0	216.1	3047.0	710.4	1007.1	214.9	8.3	2.0	1.2	End into@ 210 ias
140924	25.46.44	-85.46.80	10.1	-22.5	29.8	30.5	3037.0	710.7	1006.9	216.4	10.9	1.5	0.0	10k, 210 ias, tail wnd
141346	26. 3.36	-85.36.06	10.3	-23.7	30.2	30.3	3036.0	710.5	1006.7	222.4	10.4	2.7	0.0	End 210 ias tail wnd, 90/270, inc to 240
ias														
141817	26. 2.64	-85.36.84	9.8	-22.9	211.9	213.0	3040.0	710.5	1007.4	212.8	9.0	2.0	0.0	Begin 10k, 240 ias, into wind
142224	25.47.22	-85.47.46	9.9	-22.1	212.0	212.8	3042.0	710.7	1007.6	208.9	9.5	1.6	0.0	End into 240 ias
142637	25.47.70	-85.47.40	10.0	-21.8	30.2	31.4	3037.0	710.7	1007.4	207.7	11.0	1.7	0.0	Begin 10k 240 ias tail wind
143044	26. 5.76	-85.35.76	9.5	-21.6	30.0	31.5	3041.0	710.6	1008.1	203.3	11.0	2.1	0.0	End 10k 240 ias tail wnd
143909	26.13.62	-85.33.30	19.4	14.1	209.9	210.9	441.0	964.4	1013.1	45.0	4.6	.6	0.0	Begin 1.5k 180 ias tail wnd
144418	25.58.98	-85.42.66	19.9	14.1	209.7	210.9	428.0	964.8	1013.0	36.6	5.5	1.4	0.0	End 180 ias tail wnd
144700	25.57.36	-85.43.74	19.6	14.3	41.1	42.3	468.0	961.2	1013.0	39.4	3.2	1.3	0.0	Begin 1.5k 180 ias into wnd
145023	26. 5.10	-85.36.36	19.5	14.2	41.6	43.1	467.0	961.2	1013.1	46.6	4.5	2.6	0.0	End 180 ias into wnd; will rpt tail wind
leg at 180 ias														
145400	26. 3.00	-85.37.80	19.5	14.0	218.9	220.2	465.0	961.6	1013.0	41.9	6.3	1.0	0.0	Beg. 180 ias tail wnd
145911	25.49.74	-85.49.62	19.9	14.8	218.9	220.4	469.0	961.2	1013.2	40.3	5.8	1.8	0.0	End 180 ias tail wnd
150356	25.57.54	-85.51.42	19.8	14.2	54.9	55.8	453.0	963.3	1013.5	19.8	2.2	1.6	0.0	Begi 1.5 k 210 ias into wind
150740	26. 5.10	-85.39.36	19.6	14.1	55.1	56.2	455.0	963.1	1013.7	52.3	4.2	1.7	0.0	End 210 ias into wnd
151053	26. 6.18	-85.38.58	19.7	14.4	229.8	231.4	455.0	963.3	1013.9	52.5	5.7	1.2	0.0	Begin 1.5k 210 ias tail wnd
151505	25.55.86	-85.52.20	19.8	14.8	230.0	231.3	458.0	963.1	1013.9	50.4	4.8	1.1	0.0	End 210 ias tail wnd
151836	26. 2.28	-85.49.86	19.7	14.0	46.4	47.1	452.0	963.4	1013.6	47.0	2.6	1.3	0.0	Begin yaw man
152506	26.20.10	-85.33.48	19.3	13.6	59.3	61.4	459.0	963.0	1013.8	6.1	2.4	.6	0.0	End yaw man - 6 cycles; reverse trk inc to
240 ias														
152701	26.15.12	-85.33.66	19.4	14.2	230.9	232.1	462.0	962.8	1013.9	42.2	5.5	2.7	0.0	Beg 1.5k 240 ias tail wnd
153035	26. 5.40	-85.46.98	19.7	14.0	238.4	239.9	459.0	963.0	1013.9	61.0	5.3	1.4	0.0	End 240 ias tail wnd
153415	26. 5.40	-85.47.40	19.7	14.0	44.4	45.4	462.0	962.8	1013.9	53.8	2.9	1.8	0.0	Beg 240 ias into wnd
153742	26.15.42	-85.36.54	19.5	14.0	44.3	45.5	456.0	963.2	1014.2	49.5	2.4	1.9	0.0	End 1.5k 240 ias into wnd
154220	26.15.18	-85.37.56	12.0	7.1	224.8	226.4	1513.0	851.8	1013.9	226.3	8.4	1.6	0.0	5k 180 into wind
154541	26. 8.04	-85.45.36	12.2	8.0	211.9	212.3	1513.0	852.1	1013.9	227.1	7.4	1.2	0.0	end 5k 180 intowind
154825	26. 7.32	-85.44.76	11.8	8.1	50.6	52.8	1516.0	851.9	1014.1	225.4	8.7	1.5	0.0	5k 180 with wind
155140	26.14.58	-85.34.74	11.0	9.4	51.0	53.1	1511.0	852.2	1014.4	221.3	6.7	1.0	0.0	end 5k 180 with wind
155534	26.13.74	-85.35.52	11.3	8.9	226.1	227.3	1524.0	851.9	1014.6	227.1	6.5	1.9	0.0	
155544	26.13.32	-85.36.00	11.9	7.2	226.1	227.3	1525.0	851.7	1014.3	227.1	8.1	1.6	0.0	strt 5k 210 into wind
160005	26. 2.58	-85.48.36	12.0	8.4	226.0	227.2	1516.0	852.0	1014.3	228.3	8.1	1.9	0.0	end 5k 210 into wind
160313	26. 1.08	-85.49.56	12.0	8.9	44.8	46.0	1520.0	851.9	1014.6	225.0	9.3	1.7	0.0	strt 5k 210 with wind
160641	26.11.10	-85.38.34	11.9	7.9	45.3	46.4	1515.0	851.8	1014.7	226.1	9.6	1.3	0.0	end 5k 210 with wind
160908	26. 6.96	-85.31.44	12.7	6.7	160.7	165.8	1516.0	852.0	1014.4	238.7	8.6	1.8	0.0	strt rt circs
161543	26. 7.68	-85.30.12	12.2	7.1	170.4	176.6	1519.0	852.2	1014.1	232.6	7.4	1.1	0.0	strt lft turns
162247	26. 8.22	-85.28.50	12.4	7.2	147.2	151.1	1528.0	851.8	1013.9	233.4	8.6	1.3	0.0	end circs
162446	26.11.76	-85.20.88	12.2	8.2	44.9	45.6	1526.0	851.6	1014.3	228.1	8.3	1.7	0.0	Beg 5k 240 tail wnd
162927	26.27.00	-85. 4.20	10.9	8.7	20.4	20.2	1527.0	851.5	1014.9	209.8	5.1	1.4	0.0	End tail wind 240; I180

163451	26.26.76	-85.10.86	11.6	8.1	230.9	231.5	1522.0	851.6	1014.3	224.1	5.8	1.6	0.0	Beg 5k 240 into wnd
163451	26.18.36	-85.22.20	11.5	8.6	230.6	231.2	1519.0	851.7	1014.4	224.8	6.2	1.7	0.0	End 5k 240 into wnd
164144	26. 3.18	-85.43.02	3.3	-32.5	231.5	231.5	4181.0	619.0	1006.2	207.6	7.4	2.0	0.0	Climbing to 15k PA
164250	26. 0.66	-85.46.38	.9	-36.8	230.5	231.3	4536.0	592.9	1006.4	217.7	7.8	1.7	0.0	D1 and D2 not launched prob with gate
valve.														
164442	25.56.04	-85.51.96	-1.5	-32.3	220.1	221.5	4834.0	571.1	1007.6	219.9	10.6	1.8	0.0	D1 and D2 out
164457	25.52.56	-85.55.26	-1.5	-31.8	220.1	221.2	4824.0	571.3	1007.2	216.8	9.7	1.3	0.0	Beg 15k 180 into wnd
164903	25.44.10	-86. 3.00	-1.6	-32.5	219.5	221.2	4834.0	571.0	1007.2	223.0	10.6	2.0	0.0	End 180 into wnd
165220	25.43.74	-86. 3.42	-1.5	-32.1	40.3	41.4	4800.0	571.7	1006.9	222.8	10.4	1.3	0.0	Beg 15k 180 tail wnd
165541	25.54.66	-85.53.28	-1.3	-32.3	39.7	41.4	4827.0	571.3	1006.6	216.7	12.5	1.6	0.0	End 15k 180 tail wnd
165847	26. 6.72	-85.43.14	-1.1	-32.9	35.9	37.4	4837.0	571.4	1006.6	210.6	12.8	2.1	0.0	Beg 15k 210 tail wnd
170159	26.19.44	-85.32.82	-1.3	-33.2	36.1	37.4	4803.0	571.4	1006.9	213.2	13.2	2.0	0.0	End 210 tail wnd; L180
170422	26.20.94	-85.37.62	-1.4	-36.5	209.1	210.2	4826.0	571.3	1007.0	209.2	11.0	2.2	0.0	Beg 15K 210 into wnd
170745	26. 8.52	-85.45.30	-1.3	-32.3	209.1	210.2	4834.0	571.3	1007.0	210.7	11.1	2.3	0.0	End 15K 210 into wnd
170951	26. 8.46	-85.39.42	-1.4	-32.3	28.3	29.0	4829.0	571.3	1007.0	214.8	12.1	2.0	0.0	Begin yaw man
171537	26.35.64	-85.31.86	-1.5	-36.6	34.4	34.2	4836.0	571.3	1006.6	214.8	12.5	1.9	0.0	Yaw man complete - 5 cycles
171721	26.43.56	-85.26.04	-1.4	-36.8	30.6	31.8	4855.0	569.5	1006.3	207.3	13.2	2.3	0.0	Beg 15k 240 tail wnd
172044	26.59.76	-85.15.36	-1.7	-35.5	39.0	41.3	4852.0	569.2	1006.7	211.2	13.9	1.6	0.0	End 15k 240 tail wnd
172246	26.55.56	-85.10.80	-1.3	-37.3	209.7	210.8	4846.0	569.6	1006.3	212.8	12.5	1.9	0.0	Beg 15k 240 into wnd
172556	26.42.48	-85.19.20	-1.2	-36.9	210.1	211.1	4849.0	569.5	1005.4	210.9	12.4	2.2	0.0	End 15K 240 into wnd
172631	26.40.14	-85.20.64	-2.2	-36.3	209.4	211.0	5158.0	549.2	1004.3	217.4	12.3	2.0	0.0	Climb to 20K PA
173059	26.44.76	-85.12.00	-11.9	-47.5	35.7	37.0	6451.0	465.0	1006.6	217.2	15.7	1.5	0.0	Beg 20k 180 tail wnd
173201	26.48.66	-85. 8.94	-11.9	-48.3	35.1	36.6	6451.0	464.9	1006.5	215.1	15.7	1.4	0.0	D3 and D4 out
173424	26.57.42	-85. 1.50	-11.7	-45.1	71.2	78.4	6466.0	464.8	1006.3	217.5	16.0	1.4	0.0	End 20k 180 tail wnd
173601	26.53.40	-85. 0.12	-12.3	-40.8	211.8	213.4	6449.0	464.7	1007.8	213.8	14.2	1.3	0.0	Beg 20k 180 into wnd
173921	26.42.84	-85. 7.44	-12.1	-30.1	212.1	213.6	6462.0	464.8	1007.0	212.8	13.7	1.9	0.0	End 20k 180 into wnd
174202	26.45.36	-84.59.70	-11.3	-26.4	28.2	29.4	6450.0	465.0	1005.5	207.5	15.8	1.9	0.0	Beg 20k 210 tail wnd
174402	26.54.96	-84.54.00	-11.8	6.1	28.2	28.9	6467.0	464.9	1001.8	211.1	15.1	2.2	0.0	Balance DP #2
174520	27. 1.20	-84.50.28	-11.6	21.8	27.9	28.9	6413.0	465.0	991.7	209.4	14.7	1.9	0.0	End 20k 210 tail wnd
174730	26.58.32	-84.45.66	-11.4	-43.1	215.2	216.1	6459.0	464.9	1006.3	214.6	13.9	2.0	0.0	Beg 20k 210 into wnd
175100	26.45.84	-84.56.10	-11.1	-53.5	217.3	217.6	6460.0	465.0	1005.4	208.9	14.0	1.8	0.0	End 20k 210 into wnd
175309	26.50.52	-84.59.88	-11.9	-52.7	31.4	32.6	6472.0	464.5	1007.3	208.9	15.4	1.9	0.0	Begin pitch man.
175714	27. 9.42	-84.46.08	-11.7	-52.1	23.2	24.5	6504.0	463.0	1006.8	201.0	16.8	2.0	0.0	Pitch man. complete abt 2 min ago
175931	27.21.78	-84.39.90	-11.7	-51.6	30.2	30.9	6448.0	464.4	1006.7	211.6	17.1	1.9	0.0	Beg 20k 240 tail wnd
180239	27.38.16	-84.29.10	-11.6	-51.3	30.5	31.4	6458.0	464.4	1006.2	211.7	18.1	1.8	0.0	End 20k 240 tail wnd
180747	27.41.70	-84.25.98	-11.6	-50.7	209.9	211.0	6453.0	464.4	1006.2	212.5	16.8	2.2	0.0	Beg 20k 240 into wnd
181110	27.26.88	-84.35.40	-11.4	-50.2	209.9	211.1	6448.0	464.4	1006.2	212.5	15.9	2.1	0.0	End 20k 240 into wnd
181228	27.20.94	-84.36.54	-4.5	-49.9	145.7	150.3	5487.0	527.2	1004.4	209.0	14.6	1.5	0.0	Cal over - hdg home
184146	27.50.40	-82.31.80	24.0	16.1	40.4	40.6	2.0	1013.4	1014.4	106.8	2.8	.6	0.0	Land
184808	27.51.24	-82.30.06	24.1	15.3	135.3	134.8	1.0	1012.7	1014.0	317.4	9.2	-177.	0.0	Block in
184847	27.51.24	-82.30.06	24.4	14.1	135.3	134.8	1.0	1012.7	1013.9	315.6	9.1	-188.	0.0	
184847	27.51.24	-82.30.06	24.4	14.1	135.3	134.8	1.0	1012.7	1013.9	315.6	9.1	-188.	0.0	
184847	27.51.24	-82.30.06	24.4	14.1	135.3	134.8	1.0	1012.7	1013.9	315.6	9.1	-188.	0.0	

Time 163810 Printer erro - chk for spikes

this time