

Flt ID: 010920I	From: MMBT	To: MMBT
Flt No: 01-052	Blk In: 2238Z	ATA: 2231Z
ETD: 15Z	Blk Out: 1441Z	ATD: 1449Z
ETE: 23Z	Blk Time: 7.57 8.0	Flt Time: 7.42 7.7
Sponsor Org: NOAA	Program: EPIC	Purpose: ITCZ LAWNMOWER MISSION #7

AOC Personnel

AC: KENUL, P ✓	Sys Eng: GOLOSTEIN, A ✓
CP: TEBEEST, R ✓ / HALVESEN, H ✓	Data Sys:
Nav: ADLER, J ✓ / WHITE, S ✓	Radar: BARR, J ✓
FE: WADE, S ✓ / FLOYD, D	GPS/BT: SMITH, J ✓
FD: C2424K, S ✓	Cld Phys:
Avionics: SANS SUCI, D ✓	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
CARILLO, C ✓	P.I.	NA TECH
SHAY, N ✓	AVCP / CTO	U of Miami
DANIEL, JACOB ✓		"
COOK, T ✓		"

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

BAL DWI 1503:30
 BAL DWI 1505:40
 NULLED BOTH LW 1609Z

Flt ID: 010920I Time Off: ~~200~~ 1449Z Time On: 2231Z

	A/C Take Off	Wx Station Take Off	A/C Land	Wx Station Land
Pressure	~ 998.9	29.90	990.7	29.80

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	2	
Radar Tapes	1	
Cloud Physics Tapes	1	
Video Tapes	2	
PL Floppy	1	
AVAPS CD	1	
AXBT	3	
AXCP	25	
AXCTD	20	
Dropsondes	24	1 BAD

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

010920

1448-2231

1456-2221

RENAV

152000	0.3, -0.2	14 27	-94 41.4
160000	1.6, -1.1	11 36.4	-92 59.8
163000	2.8, -1.4	9 43.8	-92 59.9
170600	2.5, -1.7	8 0.0	-93 32.4
174200	4.1, -1.8	9 24.4	-94 21.4
183000	4.3, -1.0	12 0.1	-94 33.8
190200	5.7, -1.6	11 5.3	-95 39.9
195300	5.1, -1.7	8 0.2	-95 46.5
203100	5.9, -2.1	8 59.3	-96 59.7
213000	5.1, -1.9	12 22.0	-96 55.0
221200	4.5, -1.8	15 8.7	-96 23.3
223800	3.8, -1.4	15 46.4	-96 15.4

AZI

DW2

INEZ

RA-159

TI

DW2 BALANCE SPIKE @ 1505:30 - 1507:00

DW1 BALANCE SPIKE @ 1503:30 - 1505:00 ✓

DW1 OSCILLATION AT TIMES DURING FLIGHT ✓

REPLACE DW2 W/ DW3 FROM 1505:07 - 1507:36 w/ OFFSET OF -1.00 X

RA-159 SPIKE @ TAKEOFF REPLACE W/ 232 REG-1449:29 X

RA-159 SPIKE @ LANDING " " " 2229:54 - END X

CS3MGRS 1448-1448:30, 1455-1456, 1637:00-1637:30, 1707-1708, 1711-1712, 1755-1755:30,
 1907-1908, 1957-1958, 2006:20-206:30, 2021-2021:30, 2026-2027, 2053-2054,
 2231-2231:30,

CS3MGRS 1448-1448:30 - 1455-1456, 1525-1525:30, 1546:30-1547, 1548-1548:30, 1707-1708,
 1711-1712, 1907-1908, 1931-1931:30, 1938:30-1939:30, 1951-1951:30, 2034:30-2035
 2053-2054, 2127:30-2128, 2213-2213:30, 2231-2231:30,

CS3MGRS 1455-1456, 1525-1525:30, 1548-1548:30, 1637-1637:30, 1711:30-1712, 1755-1755:30,
 1907-1908, 1951-1951:30, 2021-2021:30, 2026-2027, 2053-2054, 2213-2213:30

LAT-GPS SPIKES 1455-1456(2), 1513-1514, 1518:30-1519, 1525-1525:30, 1528-1528:30, 1548-1548:30,
 1553-1553:30(2), 1602:30-1604(3), 1622-1622:30, 1625-1625:30, 1632-1633, 1635:30-1636,
 1640:30-1641, 1734-1734:30, 1740:30-1741, 1811:30-1812, 1822:30-1823, 1851-1851:30, 1857-1857:30,
 1907:30-1908, 1910:30-1911:30, 1922:30-1923:30, 1931-1931:30, 1938:30-1939:30, 1951-1951:30(2),
 2018-2019, 2026-2027, 2052:30-2053:30, 2102:30-2103:30(3), 2112:30-2113,
 2127-2128(2), 2142-2143, 2147-2148, 2151-2151:30(2),

LOW GPS SPIKES 1455-1456(2), 1513-1514, 1518:30-1519, 1525-1525:30(2), 1528-1528:30,
1548-1548:30, 1553-1553:30(2), 1700-1700:30(2), 1704-1704:30, 1707-1708(2), 1836-1837:30(2),
1838:30-1839:30(2), 1951-1951:30(2), 1957-1958(2), 2012:30-2013, 2026-2027, 2127-2128(2),
2142-2143, 2147-2148, 2151-2151:30(2), 2229:30-2230(3),

PA-GPS SPIKES/DIPS 1518-1518:30, - 1525-1525:30, 1637-1637:30, 1711-1712, 1833-1845,
✓ 2008-2008:30, 2053-2054:30, ~~2135~~ 2136, 2151:30-2152:30,
2155-2155:30, 2201-2201:30, 2213-2214, 2229:30-2230

PA-159 SPIKES 1458:30-1459✓, 1507:30-1508✓, 1635-1635:30✓, 1641-1641:30✓, 1653-1653:30✓,
✓ 1717-1717:30✓, 1720-1720:30✓, 1726-1726:30✓, 1838:30-1839✓, 2036-2036:30✓,
2039-2039:30✓, 2048-2048✓, 2118:30-2119✓,

~~JOB LW OUT~~ ~~2135~~

KING LW OUT

NW EXCEEDS

TOT 2 DROPS

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TIME	LOT	CON	TK	NO	TA	TO	WD	WS	PA	GA	PS	SP	REMARKS
150100	1511	9540	141	137	17.1	12.9	29	22.0	1853	1952	809.5	1012.1	LEVEL 6K
154000	1247	9340	142	141	16.2	10.5	346	22.2	1812	1902	813.7	1012.5	
154545	1225	9322	142	141	15.8	13.9	330	22.3	1834	1920	811.5	1011.6	CELLS
155426	1158	9300	179	180	15.1	14.6	4	12.8	1812	1900	813.7	1013.0	CP12/GPS (1)
160143	1130	9300	179	180	16.4	13.6	5	13.2	1832	1922	811.6	1012.1	CTD14 (2)
160940	1100	9300	182	181	15.9	12.0	55	14.1	1829	1916	811.9	1012.1	CP16/GPS (3)
161757	1028.5	9311	182	180	16.6	9.5	50	14.6	1820	1911	812.4	1011.7	CTD12 (4)
162545	935.3	9301	178	178	15.8	13.8	64	8.7	1822	1904	812.6	1011.4	CP14/GPS (5)
163345	935.1	9304	182	181	16.2	9.9	25	11.5	1817	1859	813.2	1011.7	CTD16 (6)
164140	859.5	9305	178	179	15.7	13.1	55	3.5	1817	1853	813.7	1011.6	CP12/GPS (7)
164940	829.3	9305	179	179	16.8	13.9	324	3.4	1806	1887	813.7	1011.6	CTD16 (8)
165800	759.8	9305	272	276	15.7	13.3	17	8.1	1809	1888	813.9	1011.3	CP14/GPS (9)
170135	801.1	9306	269	272	15.6	12.9	34	6.2	1823	1903	812.6	1011.2	CP16 (10)
170800	801.1	9306	270	270	16.6	11.6	67	6.3	1823	1902	812.5	1010.7	CTD12/GPS (11)
171315	801.1	9404	270	274	16.4	12.8	19	9.2	1821	1900	812.8	1010.8	CP14 (12)
171900	82.5	9415	002	004	17.0	11.5	25	8.2	1822	1900	812.8	1010.5	CP12/GPS (13)
172645	830.4	9418	359	000	15.6	14.5	350	2.1	1816	1894	813.3	1010.9	CTD14 (14)
172913	841.0	9419	359	000	15.9	13.1	353	6.6	1817	1894	813.4	1010.8	CTD12 (14A)
173459	900	9421	356	357	15.3	13.0	350	13.2	1817	1891	813.5	1011.3	CP16/GPS (15)
173833	913	9422	0	4	15.0	13.8	60	9.5	1815	1892	813.2	1011.7	CP16/GPS (15)
174606	939	9420	4	8	16.7	9.7	64	13.6	1817	1893	813.1	1011.0	CTD12 (16)
175229	1001	9420	1	5	16.2	10.7	76	9.9	1812	1889	813.8	1011.0	CP14/GPS (17)
180030	1030	9420	1	4	15.4	13.6	50	9.1	1831	1908	811.8	1011.0	CTD16 (18)
180901	1100	9420	1	4	15.7	13.0	48	7.4	1828	1905	812.0	1010.8	CP12/GPS (19)
181730	1130	9420	1	4	15.4	13.6	12	15.5	1826	1906	812.2	1011.8	CTD14 (20)
182659	1200	9423	272	279	16.0	11.3	2	18.9	1826	1906	812.3	1011.2	CP16/GPS (21)
183055	1200	9438	270	277	15.9	13.2	8	21.4	1824	1902	812.5	1011.2	CP12 (22)
183704	1200	9500	269	275	16.5	11.9	17	18.7	1824	1903	812.5	1010.9	CTD14/GPS (23)
184223	1200	9520	269	275	16.6	12.2	22	17.8	1823	1901	812.5	1010.6	CP16 (24)
184808	1158	9540	178	177	16.3	12.8	25	20.9	1823	1902	812.6	1010.8	CP12/GPS INT. WIND (25)
185018	1149	9540	179	178	16.2	12.8	29	19.2	1822	1900	812.6	1010.9	GPS
185528	1130	9540	180	178	16.4	10.4	50	20.2	1822	1898	812.6	1010.7	CTD16 (26)
190322	1100	9540	181	179	16.5	12.0	55	15.3	1823	1895	812.7	1010.1	CP14/GPS (27)
191124	1030	9540	180	179	17.0	10.4	47	15.5	1821	1893	812.8	1010.1	CTD12 (28)
191926	1000	9540	180	179	16.2	11.1	46	11.5	1820	1890	812.8	1010.2	CP16/GPS (29)
192739	930	9540	181	180	16.4	10.5	47	10.8	1819	1889	812.9	1010.0	CTD14 GND (30)
193040	918	9540											Backup BT14
193535	900	9540	180	181	15.5	12.1	11	9.8	1820	1889	812.9	1010.3	CP16/GPS (31)
194328	830	9540	180	181	15.3	13.1	359	9.5	1819	1882	813.2	1010.1	CTD12 (32)
195152	800	9543	267	271	15.2	14.0	308	9.5	1815	1877	813.5	1009.5	CP16/GPS (33)
195552	800	9557	267	271	15.1	14.2	312	14.9	1815	1878	813.5	1009.7	CP12 (34)
200248	800	9620	269	276	14.8	13.5	6	19.9	1816	1880	813.2	1009.2	CTD14/GPS (35)
200815	800	9640	268	274	14.9	12.9	8	18.2	1817	1881	813.1	1010.2	CP16 (36)
201415	802	9700	1	4	16.0	9.6	17	17.4	1816	1880	813.3	1009.5	CP12/GPS (37)

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TIME	LAT	Lon	TK	HD	TA	TD	WD	WS	PA	GA	BPS	SP	REMARKS
202234	8 30	97 00	2	4	15.7	13.3	0	9.8	1816	1881	813.5	1010.3	CTD14 (38)
202630	8 44	96 58											CELLS
203112	9 06	97 00	358	2	15.2	10.9	37	11.1	1815	1878	813.3	1010.2	CP16/GPS (39)
203405	9 10	97 00	0	2	15.7	10.2	31	8.0	1813	1876	814.3	1009.5	BT BACKUP
203950	9 30	97 00	1	3	15.8	12.5	48	5.3	1839	1904	811.0	1009.7	CTD12 (40)
204831	10 00	97 00	2	4	15.8	12.4	65	2.3	1838	1905	811.1	1009.8	CP12/GPS (41)
205704	10 30	97 00	1	5	16.3	12.9	43	12.7	1840	1905	810.9	1009.4	CTD16 (42)
210549	11 00	97 00	2	6	16.7	11.6	46	15.3	1838	1902	811.1	1008.8	CP12/GPS (43)
211433	11 30	97 00	0	4	16.6	12.8	39	15.2	1839	1904	811.0	1008.8	CTD14 (44)
212316	12 00	97 00	2	6	16.6	11.1	38	19.6	1837	1904	811.2	1009.2	CP16/GPS (45)

20 Sep 1

[illegible]