

FLT ID: 010913I	FM: MMBT	TO: MMBT
FLT NO: 01-050	BLK IN: 2204Z	ATA: 2219Z
ETD: 1430Z	DLK OUT: 1430Z	RTD: 1437Z
ETE: 2200Z	BLK TIME: 7.54 7.9	FLT TIME: 7.42 7.7
SPONSOR ORG: NOAA	PROGRAM: EPIC	PURPOSE: ITC? DOWNMOWER MISSION #5

OAO PERSONNEL

AC KENUL, P ✓	SYS ENG GOLDSTEIN, A ✓
CP TEBEST, R ✓ / HALVERSON, H ✓	DATA SYS
NAV ADLER, J ✓	RADAR BARR, J ✓
FE WADE, J ✓ / FLOYD, D	DT/ODW SMITH, J ✓
RADIO SANS SOUET, D ✓	CLD PHYS
FD CZYZYK, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
RAYMOND, D ✓	P.I.	NM TECH
SHAY, N ✓	AXBT	UOF MIAMI
JACOB, D ✓	"	"
COOK, T ✓	SCIENTIST	
CARILLO, C ✓	RADAR	NM TECH

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

DEWPTS VERY LOW FOR PRECIP 15/4Z

BAL DW1 1519Z

DW2 1521Z

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OROWF2

FLT ID: 010913 I

TIME OFF: 1437Z

TIME ON: 2219Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	996.9	29.95	992.8	29.84

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	2	
FAST FLT LVL TAPES		
RADAR TAPES	1	
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	2	1 TO RAYMOND
FL DATA FLOPPY	X	
DROPS ON DECK CD	1	
AXCTD	19	
AXBT		
AXCP	28	
ODW		
GPS	23	

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON	X			X	TO RAYMOND
OFF					
RATE					

REMARKS

NOAA • AOC • SED
N43RF AVAPS DROP LOG

Project: Hurricane '01 / Epic

Mission : EPIC 5

Flight ID : 010913i

Take Off :

1437

Landing :

[illegible]

ZMTGPS SPIKES 1438:30-1439, 1457:30-1458, 1517-1520(5), 1531-1531:30,
1534:30-1535:30, 1552-1553, 1601:30-1602, 1611-1612, 1627-1627:30,
1634-1634:30, 1636-1636:30(2), 1645:30-1646:30, 1722-1724:30(4), 1728:30-1729,
1758-1758:30, 1801:30-1802:30(2), 1815:30-1816, 1840:30-1841, 1845:30-1847(5),
✓ 1850:30-1852(3), 1914-1914:30, 1927:30-1928, 1925-1925:30(2), 2007-2009:30(4),
2013:30-2014:30, 2024:30-2025(2), 2043:30-2044, 2048:30-2049, 2052:30-2053,
2058-2059:30(2), 2105:00-2105:30, 2117:30-2117:30, 2126-2126:30, 2139-2140(2),
2155-2155:30, 2156-2156:30, 2200-2201:30(2), 2208:30-2209,

LOW GPS 1439:30-1440, 1457:30-1458, 1517-1520(5), 1531-1531:30, 1534:30-1535:30(2),
✓ 1701:30-1702(2), 1704:30-1705:30(2), 1707:30-1708:30(2), 1822-1822:30,
1948:30-1949, 1958-1958:30(2), 1959:30-2000, 2139-2140(2), 2156-2156:30,
2200-2201:30(2), 2212-2212:30,

PALGPS 1439:30-1440, 1519-1519:30, 1536:30-1537, 1609:30-1610:30,
1629-1630, 1637-1637:30, 1706-1706:30, 1707:30-1708, 1708-1711:30,
✓ 1717-1718, 1723-1724, 1745-1745:30, 1753-1753:30, 1801:30-1802,
1810-1810:30, 1900-1900:30, 1929-1930, 1933-1934, 1957-1958,
2141-2141:30, 2212-2212:30,

DWL WAS SPANNED/SPIKE 1519:00-1520:00 ✓

DWL OSCILLATION ✓

DWL EXCEEDED AMBIENT AT TIME MELIP ✓

TOT TEMP 2 DROP-OUTS ✓

STAT + DYN SPIKES ✓

PAINE 2 PROB S ✓

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1437 - 2219
1443 - 2211
1435 - 221930

AZ2
DW2
INE1
TI1
RA-159

RA-159 SPIKE @ TAKEOFF REPLACE W/282 REC -1437:50 X

RA-159 SPIKE @ LANDING REPLACE W/282 2218:13 - END X

~~RA-159 SPIKE~~ ~~1437:30-1440~~
1536:30-1537, 1542:30-1543, 1545:30-1546, 1630:30-1631:30 X
1643-1643:30, 1804-1805, 1807-1808, 1837:30-1838, ~~2021-2021:30~~

RA-232 PROB 1440:30-1441:30, 2130-2131, ~~2208:30-2209:30~~

PALTINER PROB YES X

DW2 GALANCING SPIKE REPLACE W/ DW3 - 0.75 1521:00 -1522:24 X

DW1 OSCILLATING DURING ^{PORTS} ~~MUCH~~ OF FLIGHT

653 MPS SPIKES 1439:30-1440:00, 1515:30-1516, 1519-1520, 1525-1525:30,
1534:30-1535:30, 1545-1546, 1627-1627:30, 1629-1630, 1634-1634:30,
1637-1637:30, 1723-1724, 1753-1753:30, 1801:30-1802, 1823-1823:30,
1919-1919:30, 1929:30-1930, 2015-2015:30, 2052-2053, 2212-2212:30

643 M61 SPIKES 1627-1627:30, 1629-1630, 1636:30-1636:30, 1645:30-1646:30,
1724-1724:30, 1745-1746, 1801:30-1802, 1823-1823:30, 1929:30-1930,
1933-1934, 1948-1949, 2015-2015:30, 2052-2053, 2055-2056, 2141-2141:30,
2155-2155:30, 2156-2156:30, 2200-2200:30,

643 M61 SPIKES 1439:30-1440:00, 1459-1500, 1515:30-1516, 1519-1520, 1525-1525:30,
1545-1546, 1627-1627:30, 1629-1630, 1634-1634:30, 1637-1637:30, 1645:30-1646:30,
1701:30-1702, 1706-1706:30, 1707:30-1708, 1723:30-1724, 1753-1753:30,
1801:30-1802:00, 1919-1919:30, 1933-1934, 1948:30-1949, 1957-1957:30,
2015-2015:30, 2052:30-2053, 2141-2141:30, 2155-2155:30,

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TIME	LAT	LONG	TK	HD	TA	TD	WD	WS	PA	GA	PS	SP	REMARKS
145240	1504	9534	139	138	17.0	11.5	54	9.4	1822	1922	812.7	1012.9	LEVEL 6L
145815	1445	9519											SMALL CELLS
151300	1460	9441	137	141	18.3	9.3	140	3.8	1812	1913	813.6	1012.2	STRAT RAIN
153300	1257	9346	142	142	16.7	12.7	96	9.3	1815	1913	813.6	1013.1	
155058	1200	9300	177	176	15.9	10.6	74	10.4	1811	1907	813.7	1013.4	GPS/CP12
155930	1129	9259	180	179	16.2	10.4	73	11.0	1812	1906	813.7	1013.1	CTD14
160713	1100	9300	180	179	15.6	11.7	94	12.2	1811	1907	813.9	1013.6	GPS/CP12
161523	1030	9300	188	178	16.0	10.2	79	13.7	1808	1904	814.1	1013.4	CTD14
162326	1000	9300	180	178	16.5	10.4	90	12.0	1808	1906	814.1	1013.2	GPS/CP12
163111	930	9300	181	179	16.4	11.8	95	12.9	1806	1902	814.0	1013.0	CTD14
163315	922	9300											CELL
163900	900	9300	178	176	15.9	12.7	77	13.2	1823	1918	812.4	1013.2	GPS/CP12
164400	840	9301											CELL
164654	830	9301	173	170	16.0	13.5	69	15.0	1818	1911	813.0	1013.1	CTD14
165515	800	9302	271	273	15.5	13.5	77	14.6	1818	1910	813.0	1012.9	GPS/CP12
165948	800	9320	270	273	15.3	13.1	61	14.7	1819	1910	813.0	1013.1	CP16
170501	800	9340	270	273	16.1	12.2	65	16.5	1820	1911	812.9	1012.4	CTD14/GPS
170008	800	9400	268	271	16.1	12.6	66	15.5	1820	1909	813.0	1012.3	CP16
171535	803	9419	354	359	15.6	13.5	61	12.4	1817	1908	813.3	1012.5	CP12/GPS
172307	830	9420	0	5	15.5	13.0	75	15.5	1818	1909	813.1	1012.6	CTD14
173121	800	9420	359	5	15.7	13.7	95	14.5	1817	1906	813.3	1012.7	CP12/GPS
173943	931	9420	1	7	16.2	11.1	95	15.8	1817	1906	813.1	1012.4	CTD14
174751	1000	9420	0	5	16.2	10.6	105	11.1	1817	1906	813.2	1012.6	CP12/GPS
175605	1030	9420	1	5	16.2	12.0	114	12.5	1817	1904	813.2	1011.9	CTD14
180348	1100	9420	1	5	15.8	11.8	114	10.8	1818	1905	813.1	1012.5	CP12/GPS
181200	1130	9420	0	5	16.3	11.0	111	13.7	1818	1903	813.0	1012.0	CTD14
182026	1200	9423	266	267	17.3	8.0	96	14.7	1815	1898	813.3	1011.0	CP12/GPS
182448	1200	9440	270	271	16.8	8.3	95	12.5	1818	1902	813.0	1011.5	CP16
182949	1200	9500	270	271	16.9	8.5	96	14.3	1816	1899	813.3	1011.3	CTD14/GPS
183453	1200	9520	269	272	17.0	10.0	95	14.2	1818	1900	813.2	1011.0	CP12
184030	1158	9540	179	177	17.0	9.6	71	12.9	1818	1900	813.1	1011.1	CP16/GPS
184827	1130	9540	180	178	16.6	9.4	71	15.1	1818	1899	813.2	1011.3	CTD14
185630	1100	9540	180	178	16.3	10.4	89	15.6	1816	1898	813.3	1011.5	CP12/GPS
190017	1046	9540											CP16 BACKUP
190444	1030	9540	179	177	15.9	13.2	83	11.6	1812	1890	813.9	1011.4	CTD14
191257	1000	9540	179	177	16.1	10.5	85	15.4	1816	1894	813.3	1011.5	CP12/GPS
191645	946	9540	183	181	16.3	10.9							BACKUP CP
192108	930	9540	179	177	15.8	12.4	74	13.8	1818	1894	813.1	1011.0	CTD14
192914	900	9540	179	177	15.7	12.4	72	13.6	1817	1893	813.2	1010.8	CP12/GPS
193738	828	9540	179	177	15.8	13.4	73	12.7	1813	1887	813.5	1010.7	CTD14
194529	800	9542	268	270	15.9	12.3	70	13.7	1817	1890	813.2	1010.6	CP12/GPS
195107	800	9604	270	274	15.5	12.2	64	19.9	1815	1886	813.4	1010.7	CP16
195539	801	9622	269	272	15.4	14.1	63	15.5	1815	1888	813.3	1010.8	CTD14/GPS
200033	801	9640	269	272	15.7	14.3	69	14.7	1818	1889	813.2	1010.4	CP12
200838	806	9701	2	8	15.3	13.8	67	17.0	1826	1897	812.4	1010.8	CP16/GPS

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[illegible]

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RENAV

150000	-0.1	-0.1	14 40.2	-95 14.8
155400	0.9	-0.3	11 49.6	-92 59.4
165500	0.6	-0.7	8.0,1	-93 1.2
174800	1.4	-0.9	10 0.4	-94 20.0
184200	1.8	-0.4	11 53.3	-95 40.3
192500	0.7	-0.6	9 15.6	-95 39.9
200700	2.0	-0.7	8.6	-97 0.7
205000	-0.6	-0.4	10 40.6	-97 0.5
214500	-0.9	-0.9	14 6.3	-96 33.5
222400	-4.2	0.4	15 46.4	-96 15.4

1

POSITION REPORT

1. POSITION

2. TIME

3. ALTITUDE

4. NEXT POSITION

5. ETA

6. NEXT POSITION

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:

**MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA _____, NOAA.**

- POSITION _____ N/S _____
E/W AT _____

- HEADING _____ TRUE/MAG _____
- AT _____ KTS TRUE/INDICATED _____

- FLIGHT LEVEL OR ALTITUDE _____

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

- NATURE OF EMERGEN
- ASSISTANCE DESIRED
- PILOT INTENTIONS

- PILOT INTENTIONS _____

- WE HAVE _____ ENDURANCE REMAINING _____

INS PERFORMANCE		
	INS 1	INS 2
BEGIN ALIGN TIME	1240	1240
ALIGN STATUS (0-5)	0	0
END NAV TIME	2219	2219
START NAV TIME	1410	1410
DELTA T	6+09	8+09

TERMINAL ERRORS		INS 1	INS 2
DELTA LAT		-4.2	-12.7
DELTA LON		+2	+2.4
RCS			
RADIAL ERROR		4	13.

REMARKS	

[illegible]