

NOAA • AOC • SED Flight Performance Log

Aircraft : N43RF

Project : Hurricane '01 / Epic

Mission : EPIC #12SED Crew: Barr, Lynch, Rogers, SmithFlight ID : 011007iPre-Flight: 13:30Take-Off: 15:09Landing: 22:56

System		Pre-Flight	In-Flight	Post-Flight			
NAV	INE #1	Aligned to : <u>0</u>	<u>TL</u>		<u>+5</u>	<u>+1.0</u>	<u>6</u>
	INE #2	Aligned to : <u>0</u>	<u>TL</u>		<u>+2.2</u>	<u>+1.8</u>	<u>5</u>
	GPS		<u>JAS</u>		Lat	Long	GS
	Diff GPS		<u>TL</u>				
RADAR	Nose		<u>JMB</u>				
	L/F	R/T SN : <u>102</u>	<u>JMB</u>		Mod Switch Off ?	<u>JMB</u>	
	Tail	R&T SN : <u>201 / 123</u>	<u>JMB</u>		Mod Switch Off ?	<u>JMB</u>	
	MARS Data System		<u>Clean DAT</u> <u>JMB</u>		# DATs :	<u>1</u>	
PMS	2DG-C	Ch 1/64: <u>/</u>	<u>N/I</u>				
	2DG-P	Ch 1/64: <u>/</u>	<u>N/I</u>				
	FSSP	Ref VDC: <u>8.6</u>	<u>TL</u>				
	SEA Data System		<u>TL</u>		# DATs :	<u>1</u>	
TEMP		Cal High	Cal Low		Cal High	Cal Low	
	Temp #1	<u>30.5</u>	<u>-30.4</u>	<u>JAS</u>	<u>30.6</u>	<u>-30.1</u>	
	Temp #2			<u>TL</u>			
	Temp #3 (Starboard)			<u>NI</u>			
	Dewpoint #1 (General Eastern)			<u>TL</u>			
	Dewpoint #2 (Edge Tech 137)			<u>TL</u>			
	Dewpoint #3 (Buck 1011C)			<u>TL</u>			
PRES	Attack Angle (AP/DAP)		<u>TL</u>				
	Slip Angle (BP/DBP)		<u>TL</u>				
	Differential (PQ1/PQ2/PQ3/PQ4)		<u>TL</u>				
	Absolute (PS1/PS2)		<u>TL</u>				
	Radome Transducers		Plugs ? <u>JMB</u>				
	Cabin Transducer (Station 5)		<u>TL</u>				
FLTLVL	Apr-159	SN: <u>66-024</u>	<u>JMB</u>		Off ? :	<u>JMB</u>	
	Apr-232	SN: <u>1761</u>	<u>JMB</u>		Off ? :	<u>JMB</u>	
	King Liquid Water		<u>NI</u>				
	J&W Liquid Water		<u>JMB</u>				
	Down PRT-5 (SST)		<u>TL</u>				
	Side PRT-5 (CO ²)		<u>NI</u>				
	RAMS Data System		<u>Clean DAT</u> <u>TL</u>		# DATs :	<u>2</u>	
	F/D Laptop		<u>TL</u>		Off ?	<u>JAS</u>	
	C.I. Printer		<u>TL</u>				
			<u>TL</u> <u>0</u>		Off ? :	<u>JAS</u>	
MISC	ASDL		<u>TL</u> <u>0</u>		Off ? :	<u>JAS</u>	
	Sat Comm Workstation		<u>JAS</u>				
	Exterior Walk Around		<u>JMB</u>				
	Video	<u>(N) L R (0)</u>	<u>TL</u>		Lens Covers ? :	<u>JB</u>	
	AXBT Receivers		<u>(2)</u>				
	AXBT Sonobouys		#On Board : <u>48</u>	# Dropped : <u>47</u>	# Good : <u>41</u>		
	AXBT CAD's		#On Board : <u>0</u>	# Fired :	#On Board :		
	AVAPS		<u>JAS</u>				
	GPS Dropsondes		#On Board : <u>54</u>	# Dropped : <u>15</u>	# Good : <u>14</u>		
	FCU	<u>BCD</u>	<u>TL</u>		UPS Off : ?	<u>TL</u>	
USER	NASA SRA		<u>NI</u>		Accelerometers		
	Quadrant SFMR		<u>TL</u>		#1 (2 G) :	<u>8194</u>	
	HRD Workstation		<u>NI</u>		#2 (2.5 G) :	<u>6686</u>	
	Lawrence Water Collection		<u>NI</u>		#3 (3 G) :	<u>5967</u>	
	AXCP				#4 (3.5 G) :	<u>2892</u>	

Please Note any Discrepancies

[illegible]

Flt ID: <i>I011007</i>	From: <i>MMBT</i>	To: <i>MMBT</i>
Flt No.: <i>02-05</i>	Blk In: <i>2304Z</i>	ATA: <i>2257Z</i>
ETD: <i>1530Z</i>	Blk Out: <i>1502Z</i>	ATD: <i>1509Z</i>
ETE:	Blk Time: <i>8:02 (8.0)</i>	Flt Time: <i>7:48 (7.8)</i>
Sponsor Org: <i>OUP</i>	Program: <i>EPIC</i>	Purpose: <i>FLT # 12</i>

AOC Personnel

AC: <i>KENUL</i>	Sys Eng:
CP: <i>TEBEST / HALVERSON</i> ✓	Data Sys: <i>LYNCH</i> ✓
Nav: <i>NEWMAN</i> ✓	Radar: <i>BARR</i> ✓
FE: <i>WADE / FLOYD</i>	GPS/BT: <i>SMITH</i> ✓
Avionics: <i>ROGERS</i> ✓	Cld Phys:
FD: <i>DAMIANO</i> ✓	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
<i>CARRILLO, C</i> ✓	<i>PI</i>	<i>U Mexico Tech</i>
<i>SHAY, N</i> ✓	<i>AXBT</i>	<i>RSMA5</i>
<i>JACOB, D</i> ✓	<i>AXBT</i>	<i>RSMA5</i>
<i>FUCHS, Z</i> ✓	<i>OBS</i>	<i>U Mexico Tech</i>
<i>ROBERTS, S</i> ✓	<i>OBS</i>	<i>JOSS/NCAR</i>

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

*bal dwl 1616Z**2054Z 13**DW3 2057Z*

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

AOCWF2

Flt ID: *I011007* Time Off: *1509Z* Time On: *2257Z*

	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)
Pressure	<i>996.9</i>	<i>29.95</i>	<i>993.6</i>	<i>29.88</i>

	Number	Data Disposition/Date/Quality
Slow/Fast Flt Lvl Tapes	<i>2</i>	
Radar Tapes	<i>1</i>	
Cloud Physics Tapes	<i>1</i>	
Video Tapes	<i>4</i>	
AXBT	<i>✓</i>	
AXCP	<i>27</i>	<i>26 worked; 1 bad</i>
AXCTD	<i>20</i>	<i>15 good; 5 bad</i>
Dropsondes	<i>15</i>	<i>14 good; 1 bad</i>

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

Remarks

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
151900	1522	9601	136	131	62	30	17.8	11.3	1829	1940	1013.5	811.9	86.8	CLD ABV/HAZE
154900	1348	9436	143	143	106	11	17.1	12.8	1823	1932	1013.6	812.4	86.8	CLD ABV/HAZE
1612			B ahead of aircraft											
162417	1200	9301												CP
162420	1200	9301												(52) DROP
163218	1130	9300												CTD
164029	1100	9300												CP
164032	1100	9300			70	22								(15) DROP
164830	1030	9300			69	22								CTD
165610	1000	9300												CP
165612	1000	9300			72	18								(13) DROP
170415	930	9300												CTD
171218	900	9300												CP
171221	900	9300												(80) DROP
172027	830	9300												CTD
172856	800	9302												CP
172859	800	9303												(13) DROP
173330	800	9320												CP
173835	800	9340												CTD
174346	800	9400												ICP
174922	803	9420												CP
174926	804	9420												(24) DROP
175646	830	9420												CTD
180514	900	9420												CP
181349	930	9420												CTD
182220	1000	9420												CP
182223	1000	9420												(15) DROP
183054	1030	9420												CTD
183922	1100	9420												CP
184759	1130	9420												CTD
185728	1201	9423												CP
185733	1201	9423												now DROP
185917	1200	9431												DROP CP (10)
190145	1200	9440												CP
190644	1200	9500												CTD
191148	1200	9520												CP
191717	1158	9540												CP
191723	1158	9540			68	26								(32) DROP

40 25

MSE

OCEAN GRID DROP LOCATIONS (OG7 07October2001):

#	LAT	LON	DROP/ TYPE
1.	12 00	93 00	CP12/GPS
2.	11 30	93 00	CTD16
3.	11 00	93 00	CP14/GPS
4.	10 30	93 00	CTD12
5.	10 00	93 00	CP14/GPS
6.	9 30	93 00	CTD16
7.	9 00	93 00	CP12/GPS
8.	8 30	93 00	CTD16
9.	8 00	93 00	CP14/GPS
10.	8 00	93 20	CP12
11.	8 00	93 40	CTD16/GPS
12.	8 00	94 00	CP14
13.	8 00	94 20	CP12/GPS
14.	8 30	94 20	CTD16
15.	9 00	94 20	CP12
16.	9 30	94 20	CTD16
17.	10 00	94 20	CP14/GPS
18.	10 30	94 20	CTD12
19.	11 00	94 20	CP14
20.	11 30	94 20	CTD12
21.	12 00	94 20	CP16/GPS
22.	12 00	94 40	CP14
23.	12 00	95 00	CTD12
24.	12 00	95 20	CP16
25.	12 00	95 40	CP14/GPS
26.	11 30	95 40	CTD16
27.	11 00	95 40	CP14
28.	10 30	95 40	CTD12
29.	10 00	95 40	CP16/GPS
30.	9 30	95 40	CTD12
31.	9 00	95 40	CP16
32.	8 30	95 40	CTD12
33.	8 00	95 40	CP16/GPS
34.	8 00	96 00	CP14
35.	8 00	96 20	CTD12
36.	8 00	96 40	CP16

19 92.5

15092

37. ~~8-00 97-00~~ ~~CP14/GPS~~
38. ~~8-30 97-00~~ ~~CTD12~~
39. ~~9-00 97-00~~ ~~CP16~~
40. ~~9-30 97-00~~ ~~CTD12~~
41. ~~10-00 97-00~~ ~~CP14/GPS~~
42. ~~10-30 97-00~~ ~~CTD16~~
43. ~~11-00 97-00~~ ~~CP14~~
44. ~~11-30 97-00~~ ~~CTD12~~
45. ~~12-00 97-00~~ ~~CP16/GPS~~
-

OCEAN GRID DROP LOCATIONS (OG7 07October2001):

#	LAT	LON	DROP/ TYPE
1.	12 00	93 00	CP12/GPS
2.	11 30	93 00	CTD16
3.	11 00	93 00	CP14
4.	10 30	93 00	CTD12
5.	10 00	93 00	CP14/GPS
6.	9 30	93 00	CTD16
7.	9 00	93 00	CP12
8.	8 30	93 00	CTD16
9.	8 00	93 00	CP14/GPS
10.	8 00	93 20	CP12
11.	8 00	93 40	CTD16
12.	8 00	94 00	CP14
13.	8 00	94 20	CP12/GPS
14.	8 30	94 20	CTD16
15.	9 00	94 20	CP12
16.	9 30	94 20	CTD16
17.	10 00	94 20	CP14/GPS
18.	10 30	94 20	CTD12
19.	11 00	94 20	CP14
20.	11 30	94 20	CTD12
21.	12 00	94 20	CP16/GPS
22.	12 00	94 40	CP14
23.	12 00	95 00	CTD12
24.	12 00	95 20	CP16
25.	12 00	95 40	CP14/GPS
26.	11 30	95 40	CTD16
27.	11 00	95 40	CP14
28.	10 30	95 40	CTD12
29.	10 00	95 40	CP16/GPS
30.	9 30	95 40	CTD12
31.	9 00	95 40	CP16
32.	8 30	95 40	CTD12
33.	8 00	95 40	CP16/GPS
34.	8 00	96 00	CP14
35.	8 00	96 20	CTD12
36.	8 00	96 40	CP16

37.	8 00	97 00	CP14/GPS
38.	8 30	97 00	CTD12
39.	9 00	97 00	CP16
40.	9 30	97 00	CTD12
41.	10 00	97 00	CP14/GPS
42.	10 30	97 00	CTD16
43.	11 00	97 00	CP14
44.	11 30	97 00	CTD12
45.	12 00	97 00	CP16/GPS

N43RF AVAPS DROP LOG

Flight ID : 0110071

Landing : _____

[illegible]

NOAA • AOC • SED Flight Performance Log

Aircraft : N43RF

Project : Hurricane '01 / Epic

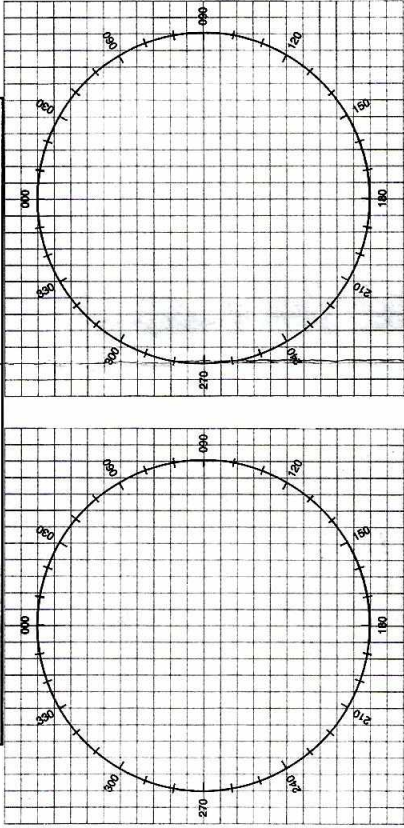
Mission : Fpc 13 → MCFSED Crew: Barr, Lynch, Rogers, SmithFlight ID : 011009IPre-Flight: 15:00Take-Off: 17:03Landing: 21:02

System			Pre-Flight	In-Flight	Post-Flight		
NAV	INE #1	Aligned to : <u>0</u>	<u>TL</u>		<u>-3</u>	<u>42.0</u>	<u>1-2</u>
	INE #2	Aligned to :	<u>TL</u>		<u>-1.0</u>	<u>-2</u>	<u>1-1</u>
	GPS		<u>TL</u>		Lat	Long	GS
	Diff GPS		<u>TL</u>				
RADAR	Nose		<u>JMB</u>				
	L/F	R/T SN : <u>102</u>	<u>TL</u>				Mod Switch Off ? <u>JMB</u>
	Tail	R&T SN : <u>201 / 123</u>	<u>NH</u>				Mod Switch Off ? <u>JMB</u>
	MARS Data System		<u>Clean DAT</u> <u>TL</u>				# DATs : <u>0</u>
PMS	2DG-C	Ch 1/64: /	N/I <u>NH</u>				
	2DG-P	Ch 1/64: /	N/I				
	FSSP	Ref VDC:	N/I				
	SEA Data System	<u>DAT</u>	N/U				# DATs : <u>0</u>
TEMP		Cal High	Cal Low			Cal High	Cal Low
	Temp #1	<u>+30.5</u>	<u>-30.3</u>	<u>TL</u>		<u>+30.5</u>	<u>-30.4</u>
	Temp #2			<u>TL</u>			
	Temp #3 (Starboard)			<u>NH</u>			
	Dewpoint #1 (General Eastern)			<u>TL</u>			
	Dewpoint #2 (Edge Tech 137)			<u>TL</u>			
PRES	Dewpoint #3 (Buck 1011C)			<u>TL</u>			
	Attack Angle (AP/DAP)			<u>TL</u>			
	Slip Angle (BP/DBP)			<u>TL</u>			
	Differential (PQ1/PQ2/PQ3/PQ4)			<u>TL</u>			
	Absolute (PS1/PS2)			<u>TL</u>			
	Radome Transducers		Plugs ? <u>MR</u>				
FLTLVL	Cabin Transducer (Station 5)		<u>TL</u>				
	Apr-159	SN: <u>66-024</u>	<u>TL</u>		Off ? :	<u>JMB</u>	
	Apr-232	SN: <u>1761</u>	<u>TL</u>		Off ? :	<u>JMB</u>	
	King Liquid Water		<u>NH</u>				
	J&W Liquid Water						
	Down PRT-5 (SST)		<u>TL</u>				
	Side PRT-5 (CO ²)		<u>NH</u>				
	RAMS Data System		<u>Clean DAT</u> <u>TL</u>				# DATs : <u>2</u>
	F/D Laptop		<u>JMB</u>				Off ? <u>JMB</u>
	C.I. Printer		<u>TL</u>				
MISC	ASDL		<u>TL</u>				Off ? : <u>TL</u>
	Sat Comm Workstation		<u>JAS</u>				
	Exterior Walk Around		<u>JAS</u>				
	Video	(N) L R D	<u>TL</u>				Lens Covers ? : <u>TL</u>
	AXBT Receivers		<u>NH</u>				
	AXBT Sonobouys		#On Board :	# Dropped :	# Good :	<u>—</u>	
	AXBT CAD's		#On Board :	# Fired :	#On Board :	<u>—</u>	
	AVAPS		<u>NH</u>				
	GPS Dropsondes		#On Board :	# Dropped :	# Good :	<u>—</u>	
	FCU	<u>B.C.D.</u>	<u>JMB</u>				UPS Off ? : <u>TL</u>
USER	NASA SRA		<u>NH</u>				Accelerometers
	Quadrant SFMR		<u>TL</u>				#1 (2 G):
	HRD Workstation		<u>NH</u>				#2 (2.5 G):
	Lawrence Water Collection		<u>NH</u>				#3 (3 G):
	AXCP		<u>NH</u>				#4 (3.5 G):

CLEARANCES			
FREQ	ALT	HDG	OTHER

MISSION LOG

PAGE 1 OF 1



POSITION REPORT

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

EMERGENCY MESSAGE

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 121.5 2182 KHZ HF/VOICE 8364 KHZ 500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA, NOAA, NOAA

- POSITION N S E W AT Z

- HEADING TRUE/MAG

- AT KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE

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

- NATURE OF EMERGENCY

- ASSISTANCE DESIRED

- PILOT INTENTIONS

- WE HAVE ENDURANCE REMAINING