

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

FLT ID: 20120825N1	From: KMCF	To: KMCF
FLT #:	Blk In: 1348 Z	Lnd Time: 1338 Z
ETD: 0530 Z	Blk Out: 0519 Z	T/O Time: 0532 Z
ETE: 8.2	Total Blk: 8.5	Total Flt: 8.1
Sponsoring Org: NHC	Program: Surveillance	Purpose: TS Isaac

AOC Flight Crew

Aircraft Commander: Glover HAGAN	Data System: Abbs
Co-Pilot: Wagner, Moyers	Avaps: Smith
Navigator: GLOVER	System Engineer: Green
Flight Eng: Henning	AA: Miller
Flt Director: Barrish	AA:
Avionics:	Crew Chief:

51
68
19
29

Participating Scientists, Visitors, & Add'l Aircrew on back. # of people listed on back:

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	PSM2 1013.8	1016.2	1014.5 PSM2	1016.2

ATIS - Takeoff

ATIS - Land

Data Source	Number	Data Disposition / Date / Quality
Flight Level Tapes		
Radar Tapes		
Dropsondes	33	Good: 32 Bad: 1 Sent: 32
AXBT		(Fast Fall)

List other data sources on back in Remarks section. Recco Times: Fix # Fix Time

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

Storm Name: **Isaac** **A.D. mission**

Mission ID: **1509A Isaac**

Tra! 71 05-06z

0530
0519
0532
8.5
8.1

N49RF AOC GPS Dropwindsonde Log

Flight ID: _____

Flight Director: _____

PARRISH/HENNING

Mission ID: 20120825NM

Storm/Track: _____

1509AD ISAAC

Pg 1 of 1

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	LS/R5? (mb)	SFC Pts (mb)	Last Wind Alt (m)	Comments	Ch #	SatComm failures	KWBC #
1	1	11745195	0601z	27.1	79.5		RS 1015.4	SFC	065/13		1		250621
2	2	11945078	0612z	26.7	78.0		RS 1014.2	SFC	075/16		2		250634
3	3	11745229	0627z	25.0	77.5		RS 1011.8	SFC	075/30		1		250648
4	4	103815304	0638z	26.4	76.5		RS 1013.8	SFC	100/21		3		250657
5	5	103815261	0651z	28.0	77.0		RS 1014.9	SFC	10/13		1		250711
6	6	104055084	0703z	28.0	75.0		RS 1015.2	SFC	100/11		2		250772
7	7	103815312	0720z	26.0	75.0		RS 1013.0	SFC	080/21		4		250791
8	8	112065235	0731z	25.0	74.0		RS 1022.6	SFC	085/26		1		250754
9	9	103825607	0741z	26.0	73.0		RS 1014.3	SFC	085/21		2		250800
10	10	103845130	0757z	28.0	73.0		RS 1015.5	SFC	085/11		3		250824
11	11	11745232	0809z	28.0	71.0		RS 1016.7	SFC	075/12		4		250829
12	12	11945074	0826z	26.0	70.5		RS 1014.8	SFC	085/18		1		250846
13	13	1745260	0841z	25.0	72.0		RS 1015.6	SFC	090/22		2		250903
14	—	112065071	0853z	24.0	73.0	FF					3		
15	14	104055067	0854z	24.0	73.0		AS 1010.4	SFC	83/12	74	4		250915
16	15	112065229	0905z	22.7	73.8		RS 1008.7	SFC	85/29	74	1		250926
17	16	120915267	0915z	22.1	72.6		RS 1007.2	SFC	100/39	73	2		250937
18	17	120915310	0924z	21.1	71.8		AS 1007.3	SFC	104/32	73	3		250948
19	18	11745083	0933z	20.2	71.4		RS 1005.7	SFC	110/43	74	4		250953
20	19	103845240	0942z	19.58	69.99		RS 1009.9	SFC	120/34	74	1		251007
21	20	11945068	0955z	19.2	68.8		RS 1011.2	SFC	135/16	74	2		251020
22	21	11745198	1007z	18.0	68.2		AS 1011.2	SFC	120/19	74	3		251026
23	22	11745190	1030z	17.6	70.9		AS 1009.5	NO			4		251052
24	23	112065067	1044z	17.4	72.6		AS 1005.4	SFC	180/34	74	1		251103
25	24	104055189	1055z	16.9	73.8		AS 1006.1	SFC	210/23	74	2		251115
26	25	111745180	1105z	16.9	75.1		AS 1004.9	SFC	240/18	74	4		251129
27	26	104055160	1152z	17.5	76.4		AS 1003.5	SFC	245/01	74	1	Early bank	251147
28	27	11945073	1133z	19.4	77.4		AS 1004.6	SFC	135/03	74	2		251154
29	28	104055169	1157z	22.2	76.3		AS 1007.4	SFC	085/29	74	1	Early bank	251220
30	29	104055190	1206z	22.8	75.3		AS 1008.8	SFC	080/27	74	2		251227
31	30	111745206	1218z	23.9	76.0		AS 1010.5	SFC	100/22	74	3		251238
32	31	122455114	1237z	23.1	78.0		RS 1009.7	SFC	090/34	74	1		251257
33	32	104055170	1251z	24.2	79.1		AS 1010.6	SFC	060/20	74	2	Early bank	251311

N49RF AVAPS DROP LOG Lead Tech: Gabe Defeo

Project: Hurricane 2012

Mission: Hurricane 12

Flight ID: 20120825M1

Take Off: 0532

Landing: 1338

Fit Dir: Parris/Herring

Launcher S/N: 002

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	111745195	1/4	N/A*	0601	JAS	NWS		✓
2	111 945 078	2/5	↓	0611	↓			✓
3	111 745 229	1	↓	0627	↓			✓
4	103 815 304	3	↓	0638	↓			✓
5	103 815 261	1		0651				✓
6	104 055 084	2		0703				✓
7	120 915 275	3		0703			Recycled sonde - LARGE VADALACHUTE	*1
8	103 815 312	4		0710				✓
9	112 065 235	1		0731				✓
10	103 825 007	2		0741				✓
11	103 845 130	3		0756			DP10	✓
12	111 745 232	4		0809			11	✓
13	111 945 074	1		0826			12	✓
14	111 745 260	2		0841			13	✓
15	112 065 071	3		-	JG		14 NO LAUNCH DFT FAST FALL	B
16	104 055 067	4		0854			15	✓
17	112 065 229	1		0905			16	✓
18	120 915 267	2		0915			17	✓
19	120 915 310	3		0925				-
20	111 945 083	4		0933				✓
21	103 845 240	1		0944				✓
22	111 945 068	2		0955				✓
23	111 745 198	3		1006				✓
24	111 745 190	4		1030				✓
25	112 065 067	1		1044				✓
26	104 055 189	2		1055			REC	✓
27	112 065 203	3		1055			Re Cycled sonde - AXBT REAJ TEMP CHUTE	*2
28	111 745 180	4		1105				✓
29	104 055 160	1		1115				✓
30	111 945 073	2		1134				✓
31	104 055 169	1		1157				✓
32	104 055 190	2		1206				✓
33	111 745 206	3		1218				✓
34	122 455 114	1		1237			NEW MFG DATE	✓

*2 - AXBT CHUTE had steady descent rate, but noisy winds until 650mb
 *1 Noisy on winds - chute not fully inflated? - 0.0 Terminal Fall Rate

* DATES WERE RECHECKED AND ADJUSTED DUE TO CARIN PRESS SENSOR OUT OF CAL

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
35	104 055 170	2	N/A	12:50	JAS	NWS		
36								
37								
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Drop Station Operator Notes

Charge \$\$ To Options: NWS, HFIP, NESDIS, or HRD ONLY – Do not use accounting codes!!!

AVAPS Pre-Flight Check:

- If time-permits, verify cabin pressure sensor w/ lab standard
- Start AVAPS., then start Soundings and set the Project Name and Full Flight ID (example: 20120823N2).
- Verify the Frequency band allocation as required:
Band A - W53rd, Band B - N42RF, Band C - N43RF, Band D - N49RF, Band E - not allocated
- Perform a prelaunch check on each channel, look for reasonable data and no CRC error status lights. Verify data is available on Remote AVAPS at R1 and L1, then terminate the sonde by selecting **Abort** to cancel the sonde initialization. Verify the AVAPS Data mission folder has been created

AVAPS Launch:

- Select a sonde frequency in the Green band and away from other sondes
- Enter sonde pressure error offset if 0.4mB or greater
- Select "begin data collection" and verify good data with winds prior to putting sonde in launch tube
- Loosen ribbon and extend end of ribbon to near, but not over, the sensor end of the sonde
- Place the sonde in the launch tube, sensor arm up, with the power pin socket facing starboard
- Verify the sonde is actively tracking GPS data prior to launch and no early launch detect

NOAA G-IV Flight Track Drop Locations for ISAAC (AL092012)

On 2012082512 the storm was centered at 19.8;-74.5

FF Backd up

