

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

FLT ID: 20120824N1	From: KMCF	To: KMCF
FLT #:	Blk In: 0203 Z	Lnd Time: 0156 Z
ETD: 1730 Z	Blk Out: 1730 Z	T/O Time: 1744 Z
ETE:	Total Blk: 8.5	Total Flt: 8.2
Sponsoring Org: NWS	Program: Hur Surv	Purpose: TS ISAAC

AOC Flight Crew

Aircraft Commander: TWINING	Data System: DEFED
Co-Pilot: JOTH / MANSOUR	Avaps: MASCARO / WARNECKE
Navigator: /	System Engineer:
Flight Eng: /	AB TDR: GOLDSTEIN
Flt Director: MORGAN, DAMIANO	AA:
Avionics:	Crew Chief: Visitor: BILL LOGAN (ABC)

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	1015.1	1016.1	1013.6	1015.4

ATIS - Takeoff

ATIS - Land

Data Source	Number	Data Disposition / Date / Quality		
Flight Level Tapes				
Radar Tapes				
Dropsondes	32	Good: 32	Bad: 0	Sent: 32
AXBT				

List other data sources on back in Remarks section.

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times:	Fix #	Fix Time
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Storm Name: _____			
Mission ID: 1309A ISAAC			

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
55								
56								
57								

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

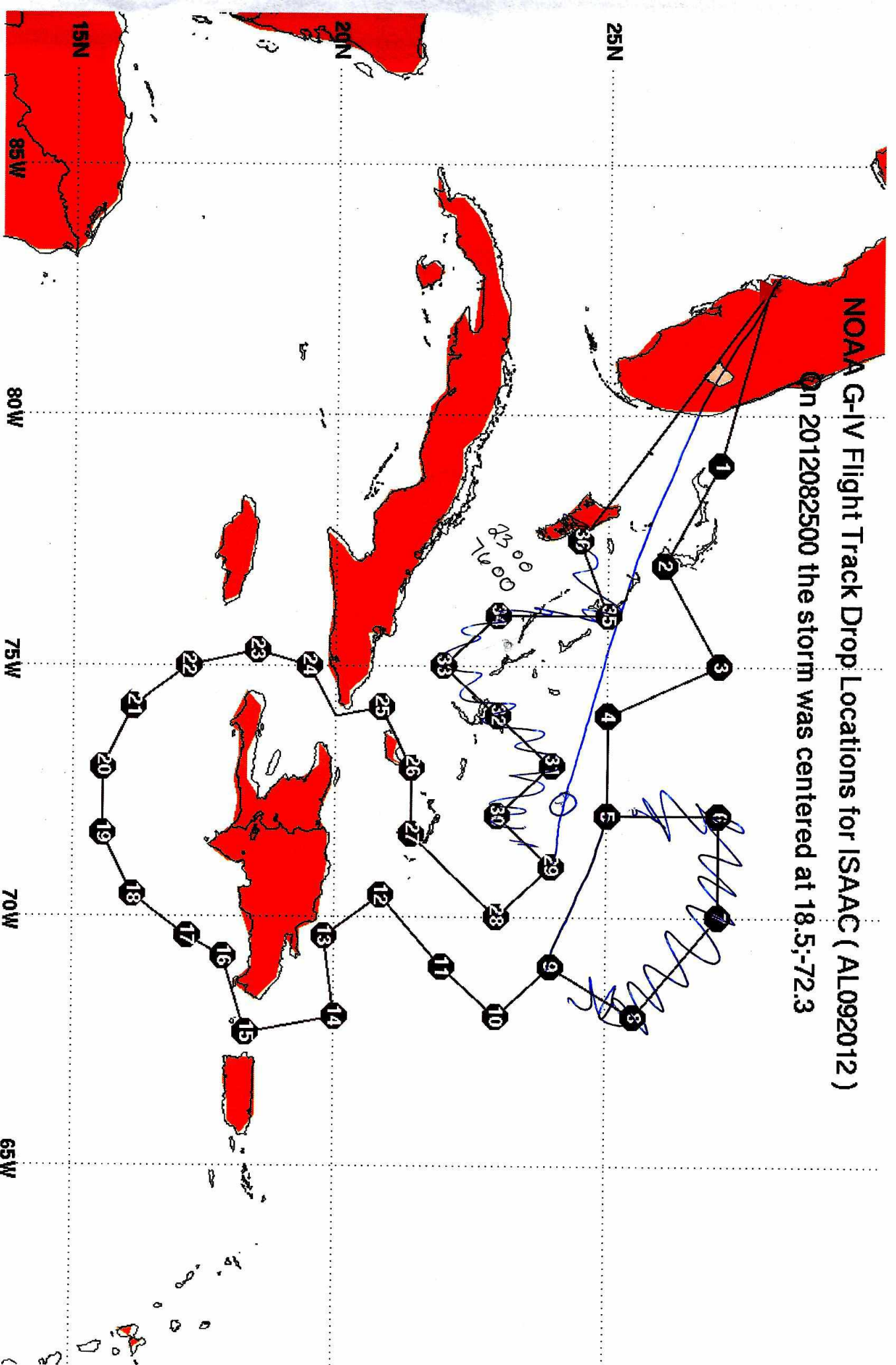
Feb 26 5:18 PM

From 23:00
 To 11:00
 U 34
 25
 4 27 12

0800
 1100
 10:00
 23:00

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

On 2012082500 the storm was centered at 18.5;-72.3



N49RF AOC GPS Dropwindsonde Log

Flight ID: 2012 08 24 W1

Flight Director: MORGAN/DAMIANS

Mission ID: 1309 P

Storm/Track: ISAAC

Pg 1 of 1

17.2
71.9

235952
Scanning Spread

WNM1

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat	Lon	Wx Cond.	L5/R57	SFC Pts (mb)	Last Wind Alt (m)	Comments	OB	Scat	KWBC #
1		112115048	181638	27.00	78.96	CU/ST	R5	1015.7	8.1	1837	1	18442	
2		112115313	183308	26.04	77.00	CU/ST	R5	1013.7	8.1	1852	2	18552	
3		114615228	194628	26.91	75.63	CU/ST	R5	1014.7	7.1	19082	3	19182	
4		112115309	190639	25.04	73.97	CU/ST	R5	1013.3	7.6	19292	4	19322	
5		112065360	192018	25.00	71.96	CU/ST	R5	1012.8	7.7	1946	5	19492	
6		103845012	194219	24.00	69.00	CU/ST	R5	1014.3	8.8	2002	6	20052	
7		112115174	195243	23.00	68.09	CU/ST	R5	1012.2	7.3	2012	7	20152	
8		103825288	200413	22.00	69.00	CU/ST	R5	1022.0	7.8	2023	8	20252	
9		111755004	201915	20.85	70.35	CU/ST	R5	1009.2	9.1	PHI wind 2041	9	20452	
10		112115310	202953	19.84	69.57	CU/ST	R5	1008.4	8.6	2053	10	21002	
11		112115276	204155	19.91	68.04	CU/ST	R5	1010.8	7.8	2106	11	21102	
12		111755204	205451	18.37	67.86	CU/ST	R5	1010.1	8.3	2114	12	21182	
13		120915314	210158	17.65	68.31	CU/ST	R5	1010.0	8.4	2121	13	21252	
14		112115415	211245	16.83	69.33	CU/ST	R5	1006.9	7.7	2132	14	21352	
15		103825106	212608	15.46	70.17	CU/ST	R5	1006.1	7.4	2145	15	21472	
16		103845074	213952	14.60	71.65	CU/ST	R5	1004.8	8.0	2159	16	22002	
17		120915313	215239	14.68	73.37	CU/ST	R5	1004.9	8.2	2214	17	22172	
18		103845094	220458	15.59	74.40	CU/ST	R5	1004.1	7.3	2225	18	22302	SATcom Fail
19		120915303	222018	17.22	75.34	CU/ST	R5	1004.6	8.1	2240	19	22422	
20		114615213	223169	18.55	75.29	CU/ST	R5	1003.7	8.0	2255	20	22582	
21		120915117	223907	19.49	75.00	CU/ST	R5	1004.7	7.1	2301	21	23042	
22		120915362	225144	20.85	74.14	CU/ST	R5	1007.0	8.2	2311	22	23152	
23		114615219	230208	21.42	72.91	CU/ST	R5	1007.5	—	2325	23	23312	INSITE WIND
24		114615217	231149	21.52	71.62	CU/ST	R5	1010.5	8.7	2234	24	23362	
25		114615208	232857	23.03	70.09	CU/ST	R5	1036	8.0	2349	25	23512	
26		114615206	234000	23.90	71.02	CU/ST	R5	1014.3	8.6	0001	26	00052	
27		111945082	235115	23.03	72.01	CU/ST	R5	1011.8	8.2	0011	27	00202	
28		104655191	000746	23.00	74.00	CU/ST	R5	1011.2	6.7	0030	28	00322	
29		111755034	001944	22.10	75.01	CU/ST	R5	1009.2	8.5	0039	29	00432	
30		112115135	003047	23.02	76.00	CU/ST	R5	1009.9	7.6	0050	30	00522	
31		104055075	004539	24.89	76.05	CU/ST	R5	1013.8	8.5	0107	31	01092	
32		112325217	005559	24.60	77.2	CU/ST	R5	1011.4	7.7	0116	32	01212	