

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

FLT ID: 20120 825141	From: KJAX	To: KJAX
FLT #:	Blk In: 1612 Z	Lnd Time: 1604Z
ETD: 0800 Z	Blk Out: 0730 Z	T/O Time: 0746Z
ETE: 8700	Total Blk: 8.6	Total Flt: 8.3
Sponsoring Org: HRD	Program: HFIP	Purpose: TS ISAAC

AOC Flight Crew

Aircraft Commander: NELSON	Data System: BOSKO
Co-Pilot: SWEENEY FERNS	Avaps: QUILES
Navigator: SLOAN, I	System Engineer: LYNCH, C
Flight Eng: DABY, HEYSTER	AA:
Flt Director: SEARS, I	AA:
Avionics: OLNEY	Crew Chief:

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				

ATIS - Takeoff

ATIS - Land

Data Source	Number	Data Disposition / Date / Quality
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Flight Level Tapes

Radar Tapes

Dropsondes Good: Bad: Sent:

AXBT

Remarks (Storm Name, Mission ID, Recco Times, Fix Times) Recco Times: Fix # Fix Time

Storm Name: <u>ISAAC</u>		0931
Mission ID: <u>3009A 3009A</u>		1103
		1213
		1339
		1435



N43RF ERROR SUMMARY
TS ISAAC 28 AUG 2012
OCEAN HEAT and TDR



Flight ID: 20120828H1

<u>Sensor or system</u>	<u>Number or Name</u>
Inertial Selected (for wind derivation)	INE 1
Accelerometer	AccZfilterI-GPS.1
Temperature Probe	TTM.1
Dew Point Probe	TDM.2X
Static Pressure	PSF.2
Dynamic Pressure	PQM.2
Altitude (for vertical wind)	AltI-GPS.1
Flight Directory	acdata/MET/2012/20120828H1
Constants File	AAMPSConfig/core/n43.xml

<u>Local Met Data:</u>	<u>Takeoff (0746Z) KJAX</u>	<u>Landing (1604Z) KJAX</u>
Aircraft Static Pressure	1012.4 mb	1013.4 mb
Tower Pressure (corrected)	1011.8 mb	1013.6 mb

Notes:

Takeoff/Landing data: Data during landing and takeoff are suspect. It is recommended that ground data not be used for scientific analysis.

SPECIAL NOTE: The variable names GSZ_DPJ, ASZ_DPJ and WSZ_DPJ in the netCDF file represent vertical ground speeds vertical air speeds and vertical wind speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

During approach into KJAX, TDM.2 recorded erroneous data. They were directly substituted with values recorded by TDM.3 during the following times 160131 – 160940.

All other AOC instruments utilized in deriving higher order parameters performed optimally.

There were 34 GPS dropsondes, 20 AXBT's, 8 CPs and 11 AXCTD's deployed from the aircraft.

1 GPS dropsonde, 2 AXBTs, 1 AXCTD, and 3 AXCPs failed.

Flight Director:
Phone #:

Ian Sears
(813) 828-3310 ext. 3039



N43RF ERROR SUMMARY

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Beginning at time 15:15:00Z and continuing until time 16:07:44Z, 1-second data gaps were observed in several derived parameter values (those with the .d extension). These occurrences were very infrequent and greatly varied among the list of derived parameter values. In other words wind direction (WD.d) may show a 1-second gap once during the flight but no other derived parameter values would exhibit a data gap for that same time. Likewise after a period of time elapsed a different derived parameter's value, say true airspeed (TAS.d), would be missing but other derived parameter outputs would be present.

Since it would be tedious and time consuming to list all the individual derived parameters values missing for a specific time, it was decided to provide the the customer the beginning and end times for the time period when these data gaps occurred.

Flight Director:
Phone #:

Ian Sears
(813) 828-3310 ext. 3039

Project: Hurricane 2012

Mission: TS ISSAC (JAX)

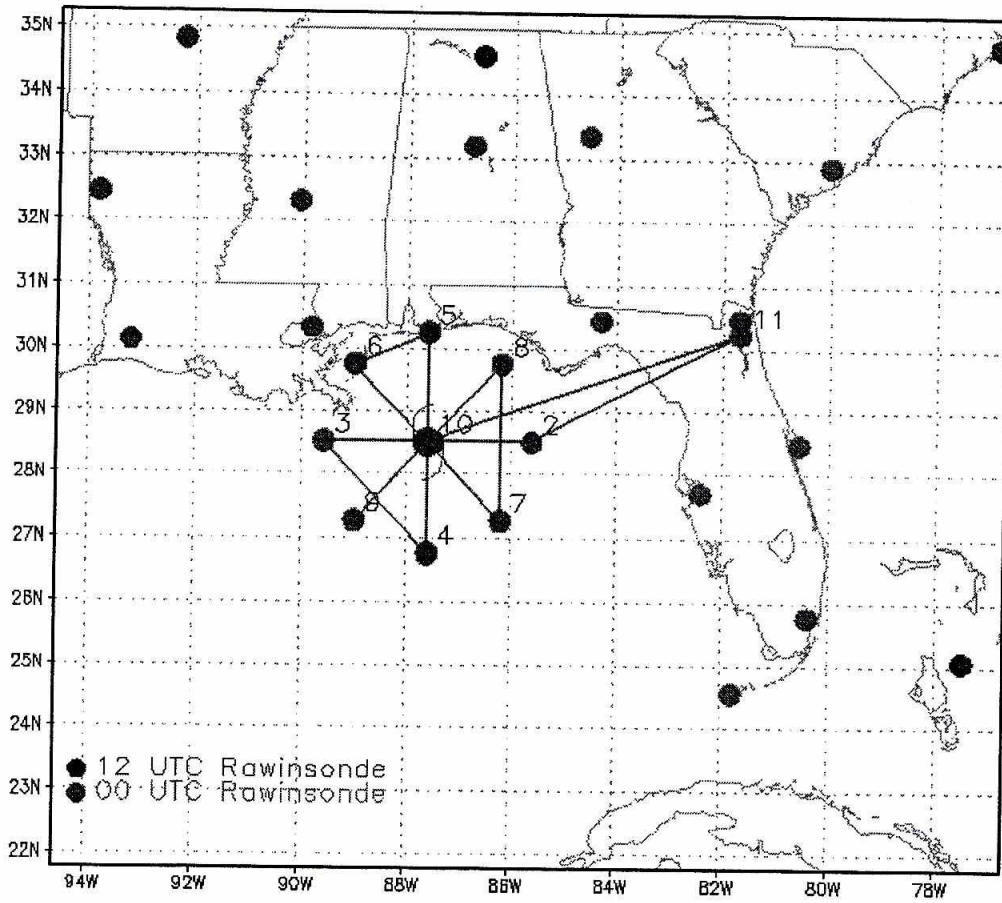
Flight ID: 2012082841

Take Off: _____

Landing: _____

Fit Dir: SEARS

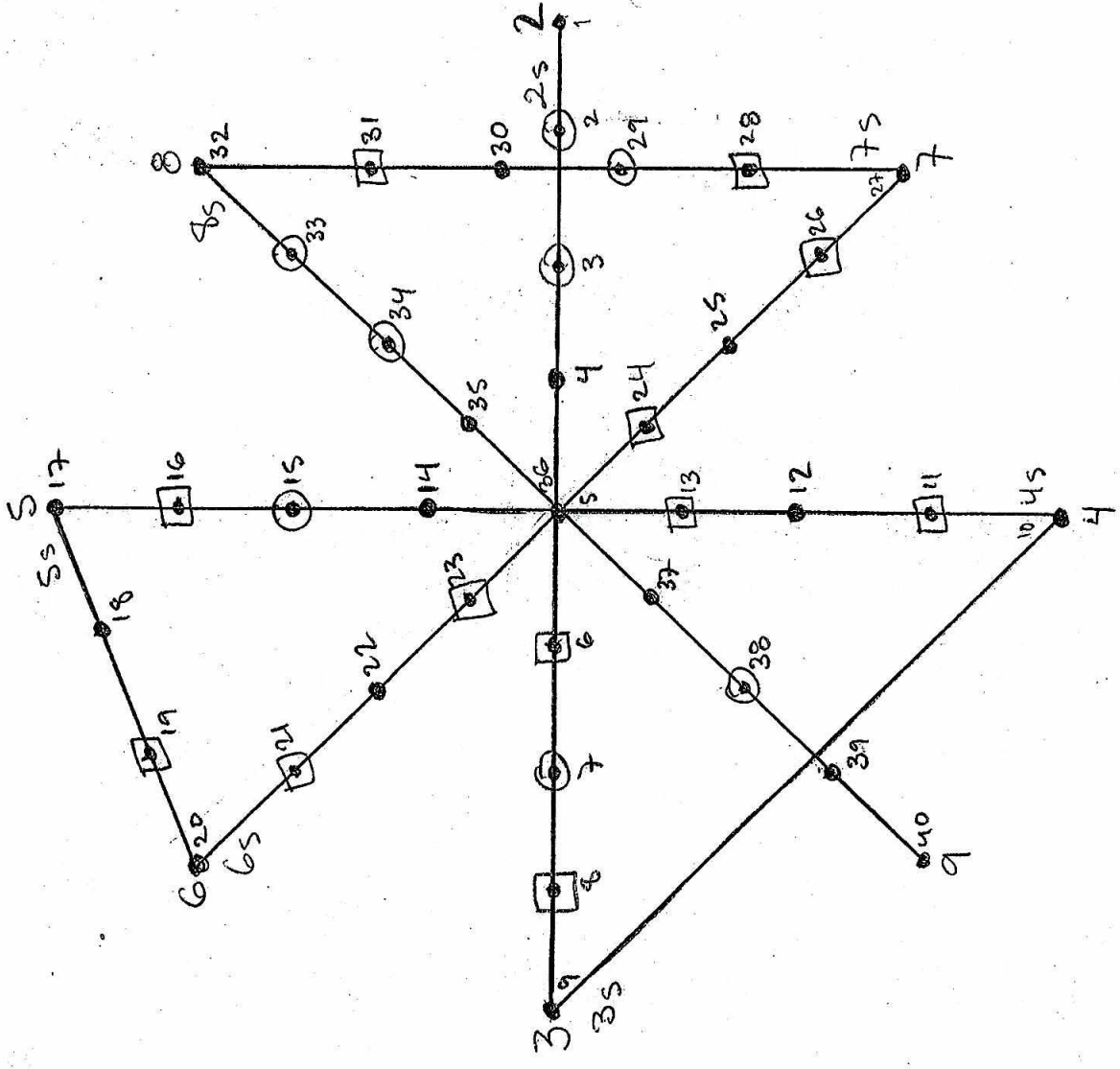
Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	111755214	1	0	0908	WRS	MWC	BT	✓
2	112115020	2	0	0920				✓
3	111755014	3	0	0930			BT	✓
4	111755030	4	0	0931				✓
5	112115280	5	0	0939				✓
6	112115212	6	0	0944				✓
7	111755015	7	0	0959			BT	✓
8	112115050	1	0	1038				✓
9	112115286	2	0	1049				✓
10	112065248	3	0	1057	CARLOS		CTD, telem failed @ splash, no launch detect, no data	X
11	122455178	1	0	1114			BT	✓
12	111755140	2	0	1122			CP	✓
13	111755218	1	0	1128			BT, few min's before	✓
14	111755003	3	0	1146				✓
15	111755169	1	0	1159				✓
16	111755198	2/8	0	1208				✓
17	111755148	1	0	1217				✓
18	111755060	2/8	0	1225				✓
19	111925020	3	0	1226				✓
20	111925079	1	0	1241				✓
21	111925027	2/8	0	1311				✓
22	111755006	1	0	1324				✓
23	111755013	2	0	1333				✓
24	122215137	3	0	1339				✓
25	111925018	1	0	1343				✓
26	111755012	2	0	1349				✓
27	111955213	3	0	1351				✓
28	122455118	1	0	1359				✓
29	111925001	2	0	1408				✓
30	111925075	3	0	1420				✓
31	111755165	1	0	1431				✓
32	111755240	2	0	1442				✓
33	111755239	3	0	1448				✓
34	111755141	1	0	1502				✓



20140604

30mm: 2s, 4s, 5s
6s, 7s, 8s

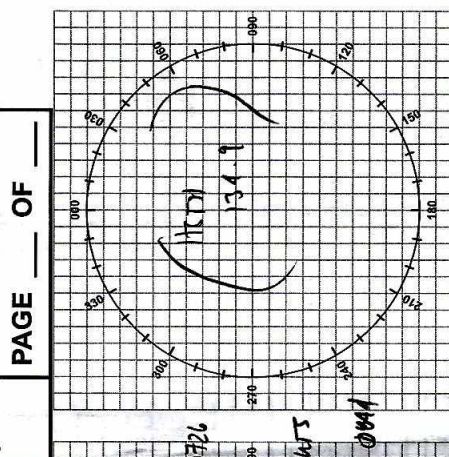
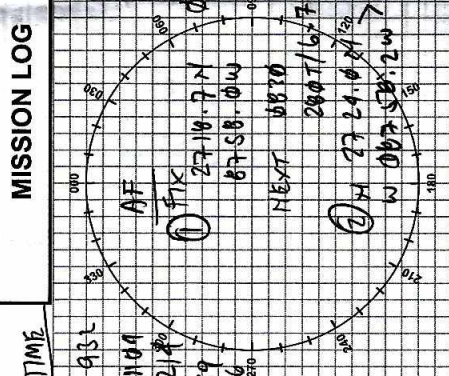
- AXBT
- ⊙ AXCP
- ⊠ AXCTD



CLNC KTRX LV TRM CTM AF 3U 16,000 0730 / JAX RV TRM CTM AF 3U 16,000 0730

201 230 5560

FREQ	ALT	HDG	OTHER
118.3			① H 2730.8 W 08759.4
125.37			② H 2737.15 W 08800.76
135.35			③ H 2735.78 W 08814.10
123.8			④ H 2801.0 W 08726.5
135.92			⑤ H 2739.30 W 08833.57
			SELECT 1, 2 NO XMIT #1



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 MF/VOICE 2182 KHZ HF/ICW 8364 KHZ MFC/W 500 KHZ

MAYDAY, MAYDAY, MAYDAY THIS IS NOAA 12, NOAA 12, NOAA 12

- 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 _____

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR	TH	DR	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
730	START	N 2030 W 8141																			L R L
739	TRM																				NOV 8 618 HA L NOV FINAL
743	V																				
746	770																				CLN LFL 270 10k
749	IV																				
752	II																				
0820	COMM																				
0820	0	H 2857 W 8108					236	-4	200	+0	232	241	167	34	9k	265	IP	147	+35	0905	SLU 7-9 TL 77 SFC-5k
0902	COMM																				
0907	IP	H 2722 W 80614	272200 338																		
0907	COMM																				
1000	0	H 2725 W 8058					122	0	102	+9	131	286	342	27	8k	242	100/100	135	+30	1030	
1114	0	H 2833 W 8009					016	-1	015	-15	004	257	104	65	8k	245	000/100				
1203	0	H 2820 W 8006					140	-1	139	+5	149	253	404	49	0k	233	000	35	101	1212	
1211	10MM																				
1325	0	H 2845 W 8746					210	-2	208	+7	225	246	174	86	8k	249	000	46	+12	1537	

4.5
2.5