

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

FLT ID: <u>201208211</u>	From: <u>KJAX</u>	To: <u>KSAX</u>
FLT #:	Blk In: <u>Z</u>	Lnd Time: <u>1540z 1546z</u>
ETD: <u>0800</u> <u>Z</u>	Blk Out: <u>0736</u> <u>Z</u>	T/O Time: <u>0745</u> <u>Z</u>
ETE: <u>09400</u>	Total Blk:	Total Flt:
Sponsoring Org: <u>HRD</u>	Program: <u>HEIP</u>	Purpose: <u>TS ISAAC</u>

AOC Flight Crew

Aircraft Commander: <u>NELSON</u>	Data System: <u>BOSKO</u>
Co-Pilot: <u>SWEENEY / KERNS</u>	Avaps: <u>QUILES</u>
Navigator: <u>SLOAN /</u>	System Engineer: <u>LYNCH T</u>
Flight Eng: <u>HEYSIEK / DARBY</u>	AA:
Flt Director: <u>SEARS /</u>	AA:
Avionics: <u>OLNEY</u>	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

Drosondes 25 Good: 25 Bad: Sent:

AXBT

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

Storm Name: <u>ISAAC</u>			
Mission ID: <u>2609A</u>			

25 08
84 05

28 53
84 04

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FLT ID:	T/O Time: Z	Lnd Time: Z
Name (Last, First)	Activity on Aircraft	Affiliation
MARKS, F	SLI	HRD
SELLWOOD	SLI	HRD
HODGES, BOB	SLI	FSU / HRD
HERNANDEZ, R	NBC	MEDIA
BERNSTEIN, B	NBC	MEDIA

Remarks:



N43RF ERROR SUMMARY
TS ISAAC 27 AUG 2012
TDR



Flight ID: 20120827H1

<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/2012/20120827H1
Constants File	AAMPSCore/core/n43.xml

Local Met Data:	<u>Takeoff (0745Z) KJAX</u>	<u>Landing (1546Z) KJAX</u>
Aircraft Static Pressure	1012.4 mb	1014.2 mb
Tower Pressure (corrected)	1012.9 mb	1014.6 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.

At high altitude during the transit to Isaac, TDM.2 (Buck) recorded erroneous data. They were directly substituted with values recorded by TDM.1 (Edgetech) using the equation $TDM.2X = TDM.1$ from 08:16:03Z – 08:23:53Z.

During approach into KJAX, TDM.2 recorded erroneous data. They were directly substituted with values recorded by TDM.3 (Maycomm) using the equation $TDM.2X = TDM.3$ from 15:37:02Z – 15:39:48Z

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

There were 25 GPS dropsondes deployed from the aircraft; all provided good data.

Flight Director:
Phone #:

Ian Sears
(813) 828-3310 ext. 3039



N43RF ERROR SUMMARY

TS ISAAC 27 AUG 2012

TDR



Beginning at time 15:15:00Z and continuing until time 15:19:37Z, 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 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

EP
27 57
085 15

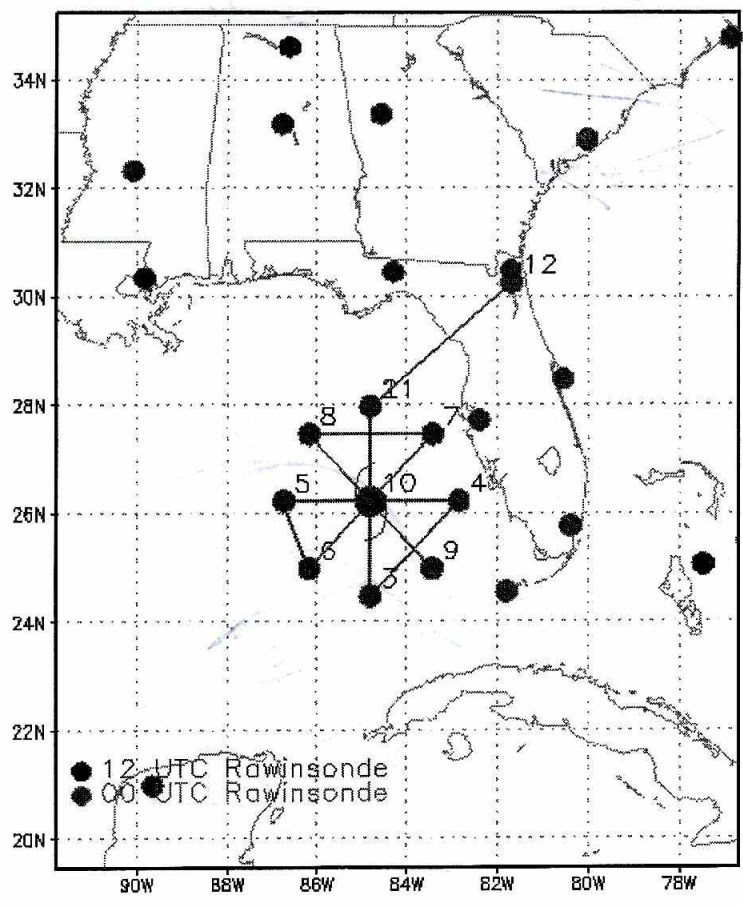
25 36
86 32 W

1031

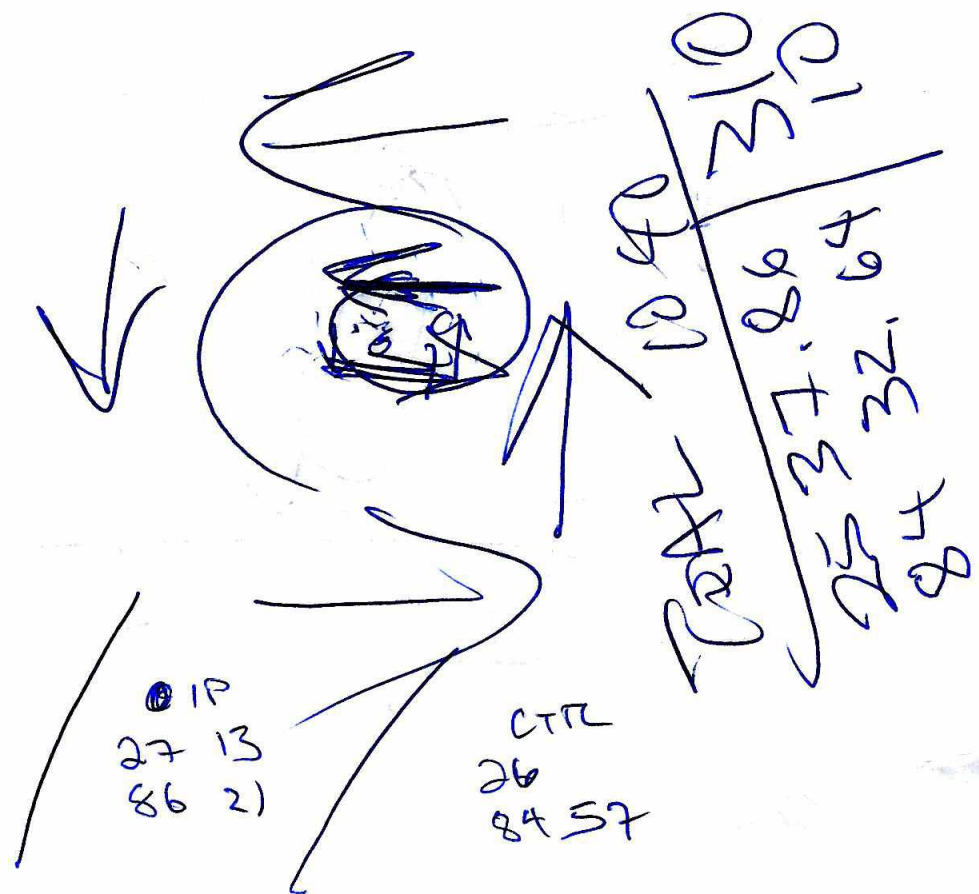
27 EP
83 30
25 34.6
084 34.3

IP
27 13
86 21

CTR
26
84 57



EP 25 36 86 32
 18 24 31 86 14
 OR 25 47 84 52



23 40
84 12

25 36
82 42

25 37
84 38 5 24
84 18

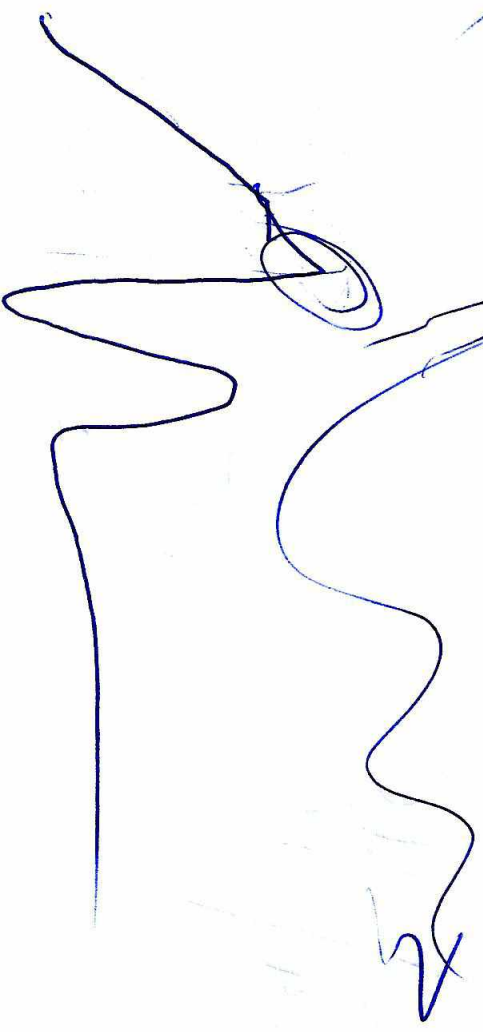
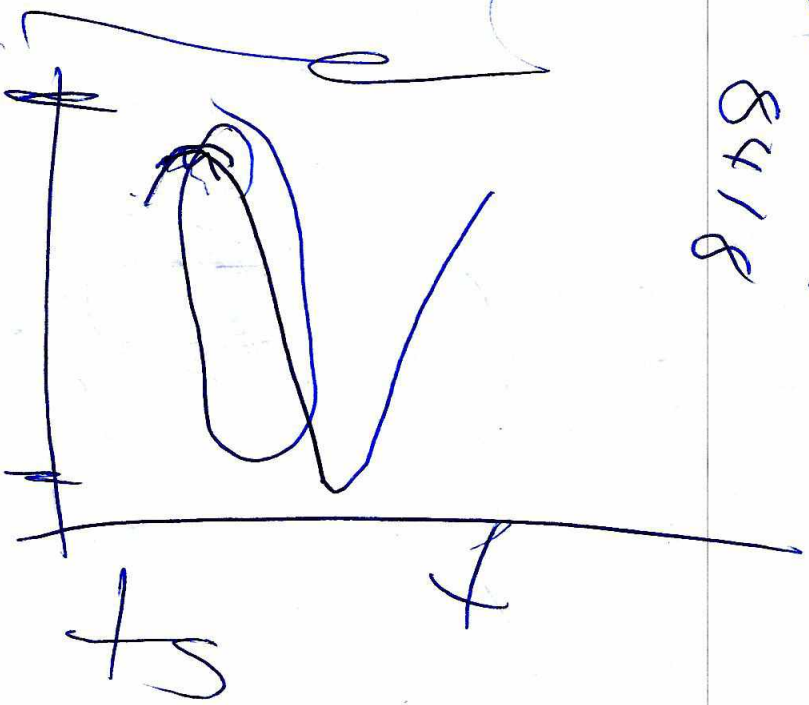
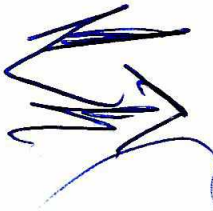
~~13~~ 26

1306

26 28

85.34

→



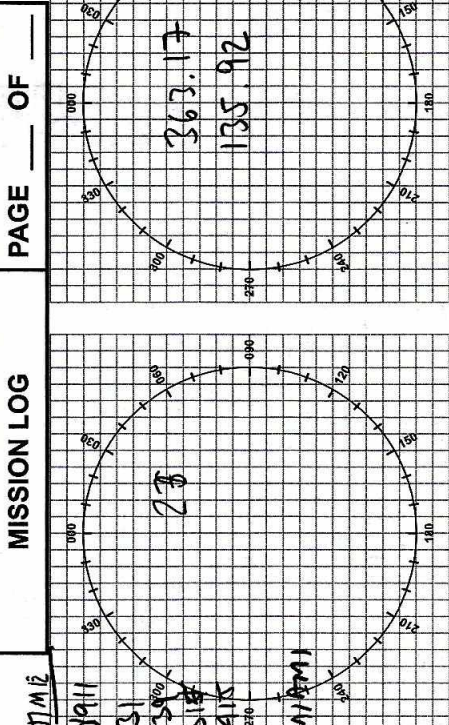
2971 CLNC JAXS RV ETT TAY CTY AF 127-0 SQ1055

BHAI RWY 8 GAL

160 15h CAA T/O

256/86

CLEARANCES		OTHER	
FREQ	ALT	HDG	
125.37			25.75.49H 08410, 04W
133.9			04H 2534.4 W 8434.3
			04M 2546.4 W 8445.4
			04H 2550.2 W 8502.1
			04M 2557.9 W 8518.6
			HAVANA FREQ 124.55
			MVM 132.2 172.2
			MVM 132.9 132.2



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 243.0 VHF/VOICE 121.5 MF/VOICE 2182 KHZ HF/CW 8364 KHZ MF/CW 500 KHZ
 MAYDAY, MAYDAY, MAYDAY
 THIS IS NOAA 42, NOAA 42, NOAA 42
 - 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 +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
0730	START	N 3030 W 8141																2623H	08538W		
0736	TAXI																				
741	V																				
0747	T/O																				
747	IV																				
752	IV																				
0804	O	N 2958 W 8217					206		202		213	243	110	25	13.5	250					
0835	DESC																				
0846	1P																				
0850	O	N 2612 W 8407					186		186	42	110	239	102	32	8h	214					
0907	COMMS	TRAIL 75 + 7100A 27																			
1001	O	N 2511 W 8304					041	+6	047	-10	037	278	184	39	8h	246					
1055	COMM	WFTV OPS HORIZAL					039	-2	037	+6	043	231	327	24	0h	239					
1114	O	N 2458 W 8605																			
1149	COMMS	WFTV																			
1158	O	N 2645 W 8341					066	-4	062	16	046	242	146	46	8h	259					

