

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

FLT ID: 20121025H1	From: KMCF	To: KMCF
FLT #:	Blk In: 0417 Z	Lnd Time: 0412 Z
ETD: Z	Blk Out: 2002 Z	T/O Time: 2011 Z
ETE:	Total Blk: 83	Total Flt: 9.0
Sponsoring Org:	Program:	Purpose:

AOC Flight Crew

Aircraft Commander: NELSON	Data System: 1 KNCH T
Co-Pilot: SWEENEY / MARTIN	Avaps: NEWNAM
Navigator: SLOAN /	System Engineer: SMITH
Flight Eng: KLIPPEL	AA: BOCCI
Flt Director: SEARS /	AA:
Avionics: PEEK	Crew Chief:

Participating Scientists, Visitors, & Add'l Aircrew on back.

of people listed on back: 5

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure				

ATIS - Takeoff

ATIS - Land

Data Source	Number	Data Disposition / Date / Quality
-------------	--------	-----------------------------------

Flight Level Tapes

Radar Tapes

Dropsondes

Good: 27 Bad: 1 Sent: no launch defect

AXBT

18 15 3 depts

List other data sources on back in Remarks section.

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

Recco Times: Fix # Fix Time

Storm Name: _____

Mission ID: _____

WBZ TV - BOSTON CBS 617 787 4444
TERRY

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

FLT ID: _____ T/O Time: _____ Z Lnd Time: _____ Z

Name (Last, First) Activity on Aircraft Affiliation

GAMACHE

ROBERTS

ALLRED

GARNER

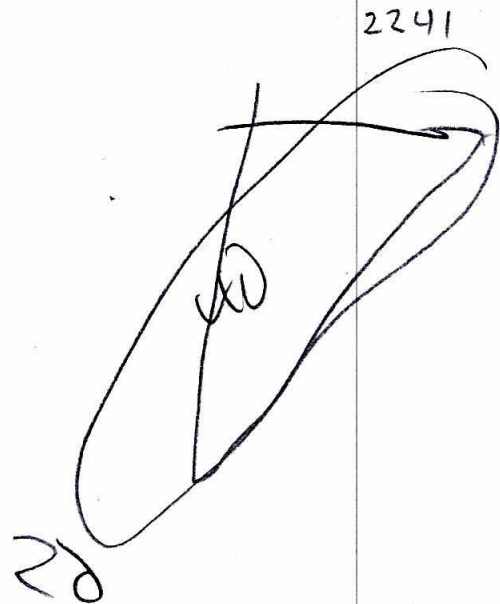
COLLINS

Remarks:

RADAR CENTER #1 24 37 7539

65

288



@BrooksGarner WFLA Ch. 8



N43RF ERROR SUMMARY

Hurricane Sandy 25 Oct 2012

TDR



Flight ID: 20121025H1

<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/2012/20121025H1
Constants File	AAMPSCore/core/n43.xml

Local Met Data:	<u>Takeoff (2011Z) KMCF</u>	<u>Landing (0412Z) KMCF</u>
Aircraft Static Pressure	1009.5 mb	1008.8 mb
Tower Pressure (corrected)	1008.9 mb	1009.8 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 heavy precipitation, TDM.2 (Buck) greatly exceeded ambient temperature values. As a result, RH values significantly rose above 100%. During these instances, TDM.2 was modified by statistical methods using TDM.3 (Maycomm) as a reference at the following time interval.
21:38:34Z - 21:40:38Z

All other AOC instruments utilized in deriving higher order parameters performed optimally. There were 27 GPS dropsondes and 18 AXBTs deployed from the aircraft. 1 GPS dropsonde and 3 AXBTs failed.

Flight Director:
Phone #:

Ian Sears
(813) 828-3310 ext. 3039

FIX 1 ²²¹⁷
 24 35 75 43 350/17

EYE 1 - 24 06
 75 32

FIX 2 2339

B2

24 47 075 48
 0043 075 529
 FIX 24 52.7 075 26 32
 75 46

FIX 4
 202
 25 15 | 335/12
 76 02

26 07
 77 12

FP
 26 04
 75

2406
 77 25
 IP

24 36
 73 50

23 54
 77 21

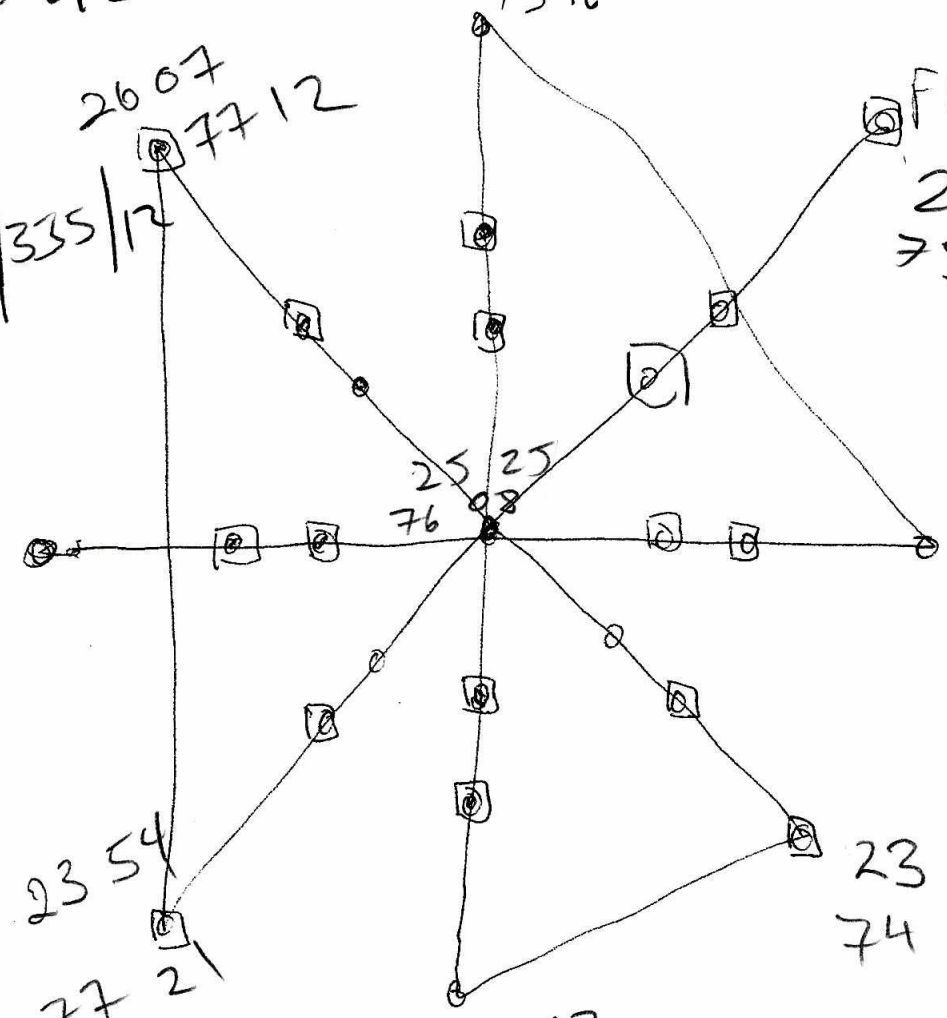
23 45
 74 33

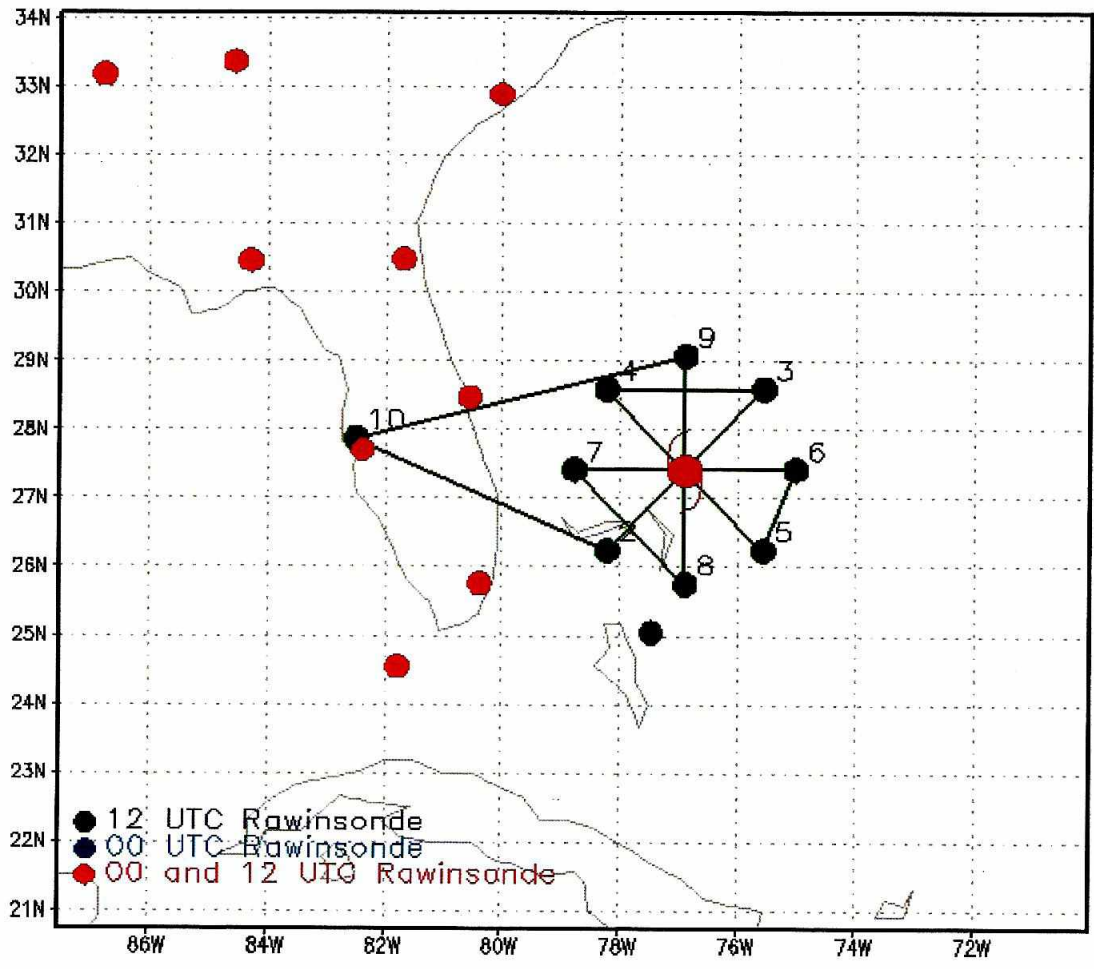
23 12
 75 47

- GPS sonde
- AXBT

26
 075

24.94 / 205
 76.20 / 21



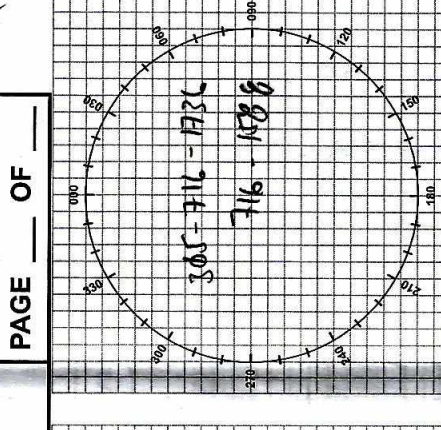
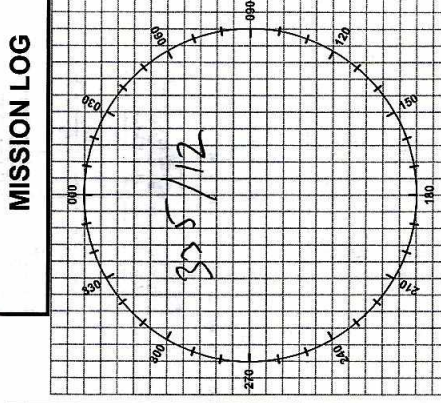


GrADS: COLA/IGES

2012-10-25-11:52

(1706 12318 w 7524) (2010 CONT. vs 900D) (120.05/304.6) (307.9 239.02) (8916/11330) SW 26N 11E 075W

FREQ	ALT	HDG	OTHER
139.25	157h		ACE AF 1104 LT 0800 1.6A
124.7			17E 110 119.9 00004
127.22	MIA		02000 AF 1900 12k 104 112k
134.8			0117
125.7			0239
119.87			04043
135.4			0202
			0257



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 VHF/VOICE MF/VOICE HF/CFW MF/CFW
 243.0 121.5 2182 KHZ 8384 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 _____

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
START	1957	H W	H W	0	H W	0							26N 75W								2, 1, 3, 4 COMP - 2001
TAXI	2002																				64 A RWY 4
V	2012																				CLR 710 2010
IV	2013																				
III	2016																				
0	2043	H-2613 W-8154					114	-5	109	+7	116	282	004	35	15k	254					
0	2143	H-2400 W-7344					126	-7	113	-2	111	248	015	28	8k	252					
0	2241	H-2436 W-7356					329	-10	319	+1	320	294	187	60	9k	235					
COMM	2310																				00-11 BLK 10k AUTH
COM	2311		JB1752																		7-9k BLK
0	2348	H-2410 W-7347					211	-8	203	-21	182	227	254	46	8k	246					
0	0140	H-2410 W-7305					056	-8	048	-3	045	236	332	25	8k	241					
0	240	H-2526 W-7613					392	-8	324	-16	314	231	047	47	8k	232					
LAND	0413																				RAMPT AF 12k