

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

FLT ID: 20121026H2	From: KMER	To: KMER
FLT #:	Blk In: 0403Z	Lnd Time: 0354 Z
ETD: Z	Blk Out: 2005 Z	T/O Time: 2016 Z
ETE:	Total Blk: 820	Total Ft: 7.6
Sponsoring Org:	Program:	Purpose:

AOC Flight Crew

Aircraft Commander: NELSON	Data System: LYNCH T
Co-Pilot: SWEENEY, MARTIN	Avaps: SMITH, J
Navigator: SLOAN,	System Engineer: PEER
Flight Eng: KLIPPER,	AA:
Flt Director: SCARS,	AA:
Avionics: NEWNAM	Crew Chief:

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

of people listed on back: 6

	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: 21 Bad: } GOOD Sent:
AXBT	18	

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: SANDY	9 RECCOs	56	
Mission ID: 1218A			

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
SMITH, BRIAN		
MANDUGIAN, P		
MARINO,		
GAMACHE		
ZELENSKY		
ROBERTS		
GRONSEN		

Remarks:



N43RF ERROR SUMMARY

Hurricane Sandy 26 Oct 2012

TDR



Flight ID: 20121026H2

<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/2012/20121026H2
Constants File	AAMPSConfig/core/n43.xml

Local Met Data:	<u>Takeoff (2017Z) KMCF</u>	<u>Landing (0355Z) KMCF</u>
Aircraft Static Pressure	1004.5 mb	1003.5 mb
Tower Pressure (corrected)	1004.0 mb	1004.9 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.

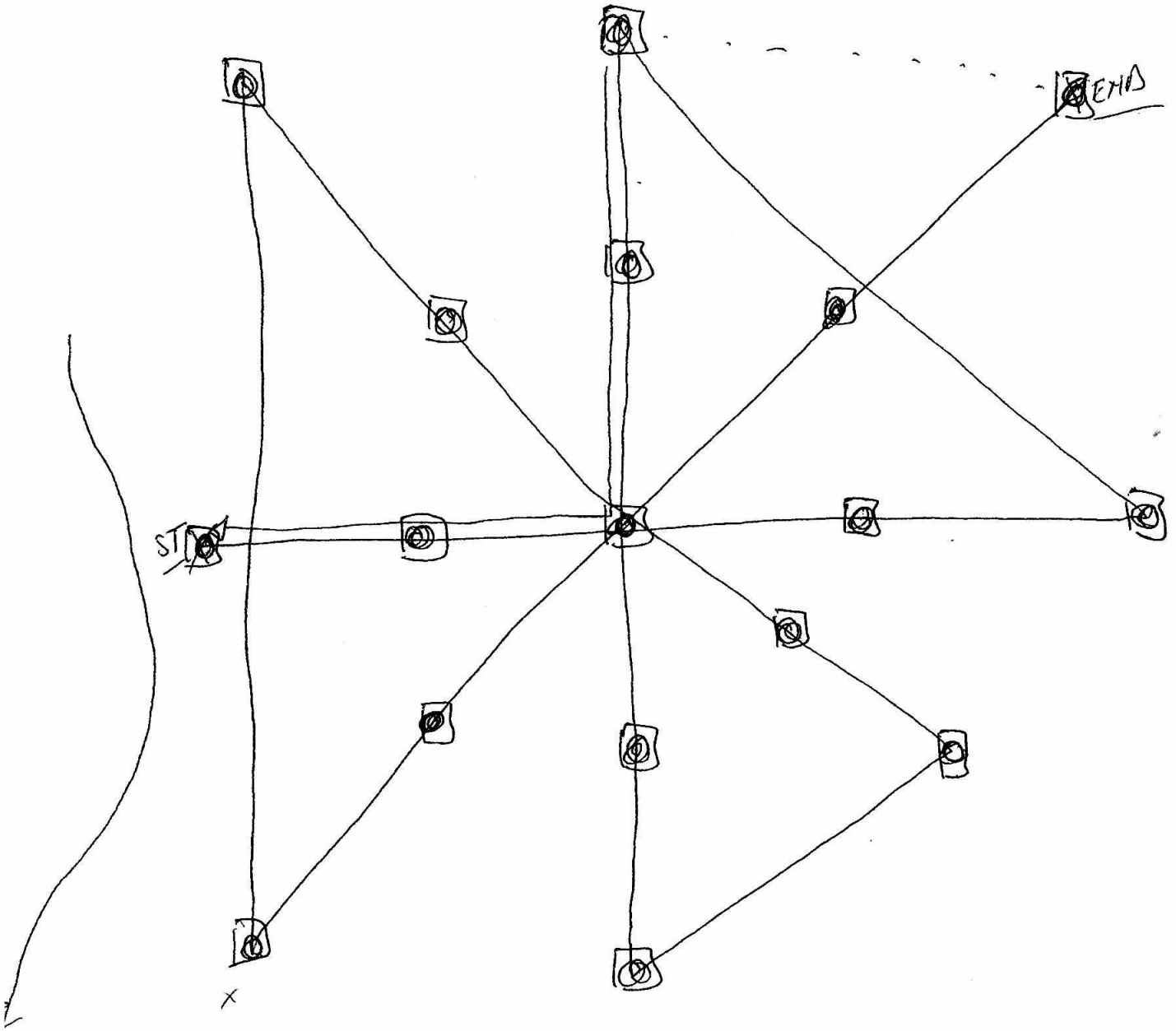
During heavy precipitation, TDM.2 (Buck) greatly exceeded ambient temperature values. As a result, RH values significantly rose above 100%. During these instances, TDM.2 was modified by direction substitution with values recorded by TDM.1 (Edgetech) using the equation TDM.2X = TDM.1 at the following time intervals.

22:20:57Z - 22:21:11Z

All other AOC instruments utilized in deriving higher order parameters performed optimally. There were 21 GPS dropsondes and 18 AXBTs deployed from the aircraft. 0 GPS dropsondes or AXBTs failed.

Flight Director:
Phone #:

Ian Sears
(813) 828-3310 ext. 3039



1 27 23
77 11
27

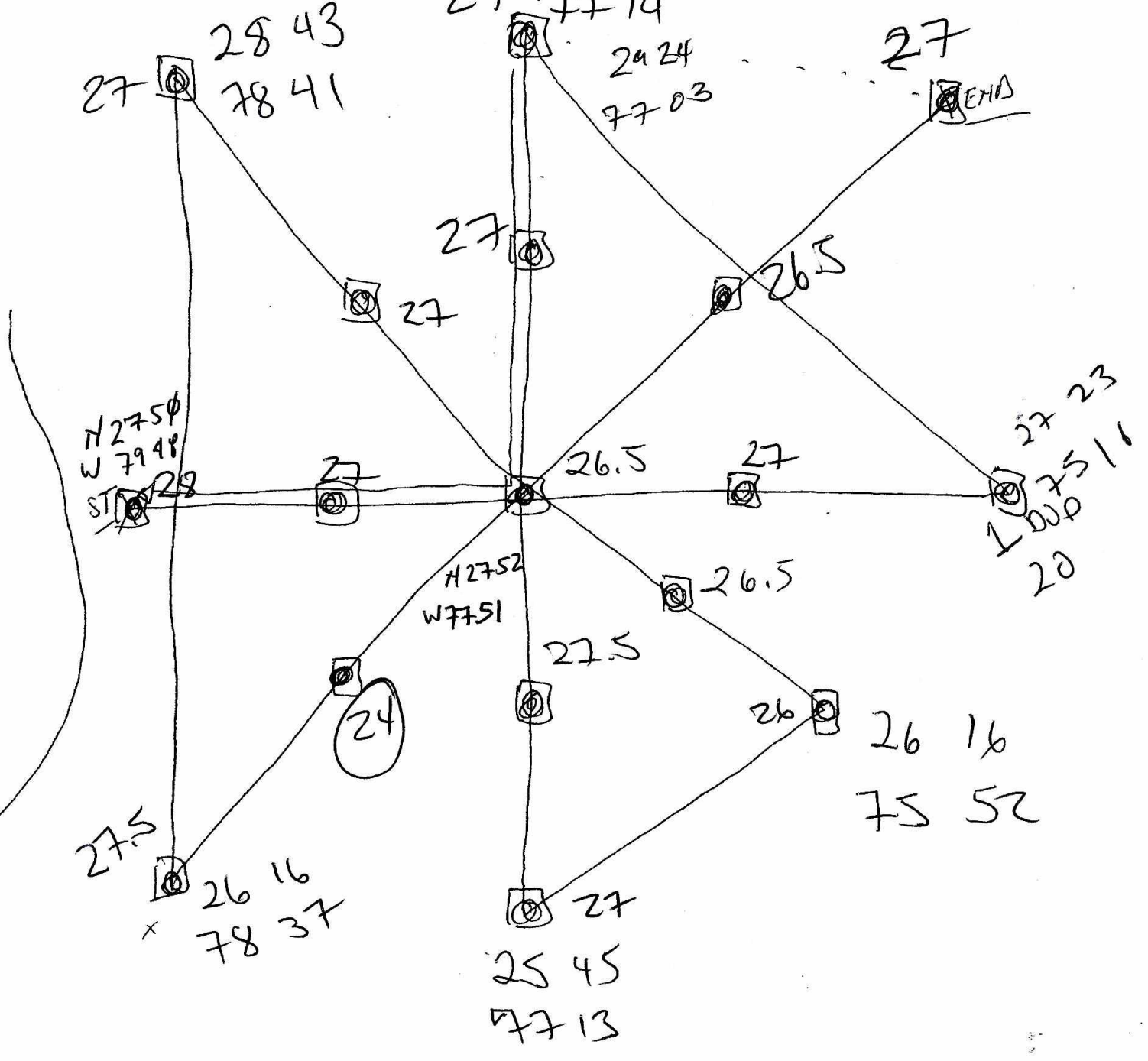
2 27 21
77 11
29 17
27 77 14

3 27 25
77 14

28 43
78 41
27

29 24
77 03

27
EHAS



27 23
75 16
Loop 20

H2750
W7948
ST 28

H2752
W7751

27.5
26 16
78 37

27
25 45
77 13

26 16
75 52

4 27 33
77 02

27 39
77 03

