

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

FLT ID: 20121028H1	From: KMCF	To: KMCF
FLT #:	Blk In: 1515 z	Lnd Time: 1507z
ETD: 0800z	Blk Out: 0747 z	T/O Time: 0758z
ETE: 7+00	Total Blk: 7.5	Total Flt: 7.2
Sponsoring Org: HRD	Program: PHX	Purpose: 6 SANDY

AOC Flight Crew

Aircraft Commander: HALVERSON	Data System: BOSKO
Co-Pilot: KIBBEY, PRICE	Avaps: RICHARDS
Navigator: KIDDER	System Engineer: C LYNCH
Flight Eng: HEYSTEK / DARBY	AA: UMASS: Joe Sapp
Flt Director: HENNING / DAMIANO	AA: HRD: MARKS, BUCCI, SELLWOOD
Avionics:	Crew Chief: OAR: Macdonald, Maclean

Participating Scientists, Visitors, & Add'l Aircrew on back.		Total # of people on board:	# of people listed on back:
	A/C - Takeoff	Wx Station - Takeoff	A/C - Land
Pressure	1006.0	29.72 (1006.5)	1008.2
ATIS - Takeoff	A/D 1005.9	STA 1006.0	A/D 1008.3
ATIS - Land			STA 1008.5 ^{SLP}

Data Source	Number	Data Disposition / Date / Quality / File Name(s)	
Flight Level Tapes			
Radar Tapes			
Dropsondes	16	Good: 15	Bad: 1 Sent: 15
AXBT	18	11 GOOD	7 BAD

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times:	Fix #	Fix Time
Storm Name: AL182012			
Mission ID: NOAA2 1918A SANDY		3	fixes

max 66 kts SW QUAD
92Z:30Z

18 CADS

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FLT ID:

T/O Time:

Z

Lnd Time:

Z

Name (Last, First)

Activity on Aircraft

Affiliation

Name (Last, First)	Activity on Aircraft	Affiliation

Remarks:

NOAA WP-3D N42RF ERROR SUMMARY
HURRICANE SANDY 2012
28 Oct 2012 1918A SANDY
HRD (PHX) KMCF →KMCF

Flight ID: 20121028H1

<u>Sensor or system</u>	<u>Number or Name</u>
Altitude	AltGPS.1 (RINU)
Accelerometer	AccZfilterI-GPS.1
Dew Point Probe	TDM.2X
Dynamic Pressure	PQM.2
Inertial Selected	INE1
Static Pressure	PSM.2
Temperature Probe	TTM.1
Constants File	AAMPSConfig/core/n43.xml
Flight Directory	acdata/2012/MET/20121028H1

Local Met Data	Takeoff (0758z)	Landing (1507z)
Aircraft Static Pressure	1006.0 mb	1008.2 mb
Tower Pressure (corrected)	1006.0 mb	1008.5 mb

Notes:

The storm was initially flown at 12,000 feet PA. At 10:45:35z, descent to 11,000 ft after encountering graupel near freezing level in heavy precip at N 100NM turn point.

Maycomm (TDM.3) dew point sensor flat lined at sensor limit value of -60.47C for the entire mission. TDM.2 (Edgetech), the reference, departed from normal functionality during the enroute cruise after leaving the storm from 14:00z to 14:40z and was substituted with TDM.1

Vertical Winds from 8:12z to 14:43z showed a mean UWZ of +0.01 m/s. 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.

All other flight level instruments worked optimally during the flight.

- 16 dropsondes deployed, 15 good and transmitted (#3 at 1003z no launch detect)
- 18 externally loaded AXBT were deployed (11 good, 7 were bad)

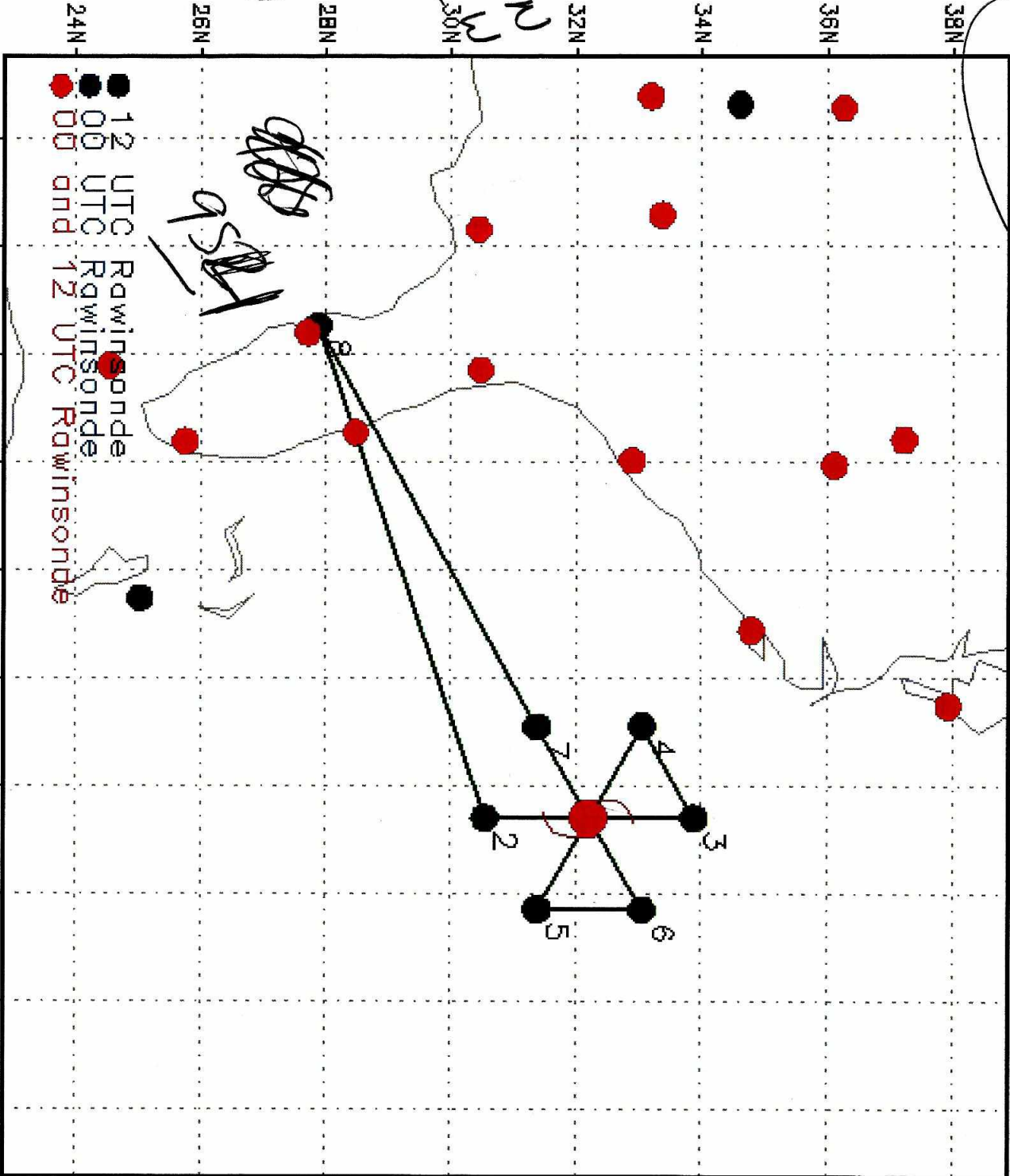
Flight Directors: Richard Henning (813) 828-3310 ext. 3086 and A Barry Damiano

047/114

1139 50
31 58 N
73 12 W

54
12
SW

951



6 min
5 min

