

43 meters

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

FLT ID: 20170909N	From: KLAL	To: KLAL
FLT #:	Blk In: 0132 Z	Lnd Time: 0126 Z
ETD: 1730z	Blk Out: 1713 Z	T/O Time: 1721 Z
ETE: 8+00	Total Blk: 8.3	Total Flt: 8.1
Sponsoring Org: NHC	Program: PHS	Purpose: SS IRMA

AOC Flight Crew

Aircraft Commander: TWINING	SSA: DEFEO
Co-Pilot: FRITZLER	AVAPS: /
Navigator: /	Scientists:
Flight Eng: /	Scientists
Flt Director: HENNING WILLIAMS	Scientists
SEB: PAUL, PATEL, DELGADO	Scientists:

Crew Chief: Visitors: STA 1006.3 / STA 1004.2

TA 33 Pressure	A/C - Takeoff apx 29.86 ↓	Wx Station - Takeoff #2 1006.2	A/C - Land #2 1004.7	Wx Station - Land 29.80 TA 29
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AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH		
SCIENCE MISSION WITHIN BOUNDARY LAYER		
LACK OF PRECIPITATION		
RELATIVE HUMIDITY AT OR ABOVE 80%		
LARGE AIR-SEA TEMPERATURE GRADIENT		
HIGH SURFACE WINDS		
LONG FETCH AND/OR DURATION OF SFC WIND		
SEA SALT ACCRETION FORECAST		
SEA SALT ACCRETION OBSERVED		

Dropsondes 32 Good: 29 Bad: 3 Sent: 29

AXBT Good: Bad: Sent:

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: (ie: NOAA2 2418A SANDY)			

Remarks:

3000
9016

2848
7951

APPENDIX 2 – GIV QC Checklist

Flight ID:	20170909N2
Flight Director(s):	HENNING/WILLIAMS

Pressure Comparison		
	T/O	Land
Aircraft #2	1006.2	1004.7
Tower	1006.3	1004.2

UWZ.d mean: 0.14

	Raw 1Hz Mean File Parameters				C File Parameters	
<input type="checkbox"/> Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1		AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2			
	AccAXI.3	AccAYI.3	AccAZI.3			
<input type="checkbox"/> Altitude	AltGPS.1	AltI.1	AltPaADDU.1	AltBCADDU.1	ALTref	
	AltGPS.2	AltI.2	AltPaADDU.2	AltBCADDU.2	ALTPA.d	
	AltGPS.3	AltI.3	AltRA.1		ALTGA.d	
<input type="checkbox"/> Ground Speed	GsXI-GPS.1	GsXI.1	GsGPS.1	GsXGPS.1	GSXref	
	GsXI-GPS.2	GsXI.2	GsGPS.2	GsXGPS.2	GSYref	
	GsYI-GPS.1	GsXI.3		GsYGPS.1	GSZref	
	GsYI-GPS.2	GsYI.1	GsZI.1	GsYGPS.2		
	GsZI-GPS.1	GsYI.2	GsZI.2	GsZGPS.1		
	GsZI-GPS.2	GsYI.3	GsZI.3	GsZGPS.2		
<input type="checkbox"/> Lat/Lon	LatGPS.1	LatI.1	LonGPS.1	LonI.1	LATref	
	LatGPS.2	LatI.2	LonGPS.2	LonI.2	LONref	
	LatGPS.3		LonGPS.3			
<input type="checkbox"/> Pressure	PDALPHA.1	PQALPHA.1	PQM.1	PSM.1	PDALPHAref	PQMref
	PDALPHA.2	PQALPHA.2	PQM.2	PSM.2	PDBETAref	PQ.c
	PDBETA.1	PQBETA.1	PQM.11	PSM.11	PQALPHAref	PSMref
	PDBETA.2	PQBETA.2			PQBETAref	PS.c
<input type="checkbox"/> Air Speed	CasADDU.1	TasADDU.1	IasADDU.1		IAS.d	TAS.d
<input type="checkbox"/> Pitch/Roll	PitchI.1	PitchRateI.1	RollI.1	RollRateI.1	PITCHref	
	PitchI.2	PitchRateI.2	RollI.2	RollRateI.2	ROLLref	
	PitchI.3	PitchRateI.3	RollI.3	RollRateI.3		
<input type="checkbox"/> Temp/Dewpt	TTM.1	TTM.11	TDM.1		TD.c	TTMref
	TTM.2	TTM.13	TDM.2		TDMref	TA.d
	TTM.3	TTM.4	TDM.11			
<input type="checkbox"/> Miscellaneous (must check)					UWZ.d	WS.d
					DPJ_WSZ	WD.d
					HUM	

Mission Documents:

<input checked="" type="checkbox"/>	Error Summary
<input checked="" type="checkbox"/>	Crew Manifest
<input checked="" type="checkbox"/>	QC checklist
<input checked="" type="checkbox"/>	Dropwindsonde Log(s) – AVAPS and FD if completed
<input type="checkbox"/>	Miscellaneous FD notes

NOTES:

AltRa.1 oscillation not as well defined as seen with 20170906N1 (more noisy)
 TDM.2 better at altitude but too-dry near SFC.

N49RF AOC GPS Dropwindsonde Log

 Flight ID: 20170909N2

 Flight Director: Henning/Williams

 Mission ID: 2811A ~~SEAA~~

 Storm/Track: IRMA

Pg ___ of ___

Drop #	Ob #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°E)	Wx Cond.	L5/R5?	SFC Prs (mb)	Last Wind Alt (m)	Comments	Ch #	SatComm failures	KWBC #
1	1	163455299	1749	28.8	-79.9	VCIS	RS	1013	10	075/30	1		1811
2	2	163455291	1759	30.0	-79.95		RS	1014.7	11	075/20	2		1821
3	3	1812 ←	163455297	31.5	-78.5		RS	1016.3	10	065/20	3		1834
4	4	1825	1815	31.5	-76.5		RS	1017.9	10	055/20	4		1847
5	5	18275007	1837	31.4	-74.7		RS	1016.2	10	050/15	1		1857
6	6	16271297	1851	30	-70.5		RS	1015.5	10	015/15	2		1915
7	7	162715260	1907	30	-72.5		RS	1013.7	10	175/25	3		1932
8	8	162715139	1935	27	-78.5		RS	1007.4	10	070/22	4		1956
9	9	162715206	1948	26.5	-76.8		RS	1008.4	10	110/24	1		2011
10	10	162715068	1955	26.3	-75.97		RS	1009.2	10	125/23	2		2017
11	11	162715040	2013	24.2	-76.2		RS	1006	10	120/25	3		2034
12	12	163225007	2024	22.9	-76.5		RS	1005.1	10	135/25	4		2047
13	13	162715032	2033	22	-77		RS	1003.8	10	155/17	1		2054
14	14	163455284	2051	21	-75		RS	1006.9	10	125/19	2		2113
15	15	163025102	2105	20	-74		RS	1008.2	10	160/16	3		2136
16	16	163025064	2122	19.5	-76		RS	1006.8	10	165/26	4		2153
17	17	162715031	2137	19	-78		RS	1005.9	10	195/18	1		2204
18	18	164015056	2153	20.5	-77.2		RS	1002.3	10	185/31	2		2220
19	19	162835056	2202	21.25	-79.4		RS	996.2	10	220/42	3		2228
20	20	163455065	2211	21.4	-81		RS	995.4	10	245/46	4	Lost Data	5800ms
21	21	163255087	2226	21	-83		RS	1001	10	295/26	1		2251
22	22	163615094	2249	22	-85.4		RS	1004.6	10	340/21	2		2324
23	23	162845063	2308	24	-84.3		RS	1003	10	366/26	3		2332
24	24	163255037	2329	24	-87		RS	1007	10	025/23	4		2354
25	25	163615092	2345	26	-87		RS	1009	10	020/23	1	Missing	40009
26											2	back up	
27	26	163845115	0021	28	-87		RS	1011.5	10	030/19	3		0026
28	27	163845115 163845115	0016	29.95	-86.95		RS	1014.2	10	040/24	4		0043
29											1	Fast Fall / bad GPS	
30	28	163845068	0033	28.75	-85		RS	1011.4	10	040/33	2		0053
31											3		
32	29	16345106	0649	27.1	-84.8	LAST	RS	1007.3	10	050/20	4	LAST REPORT	0109

9

09/09/2017, 17:21:42-25:26:28

