



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

FLT ID: 20171006N2	From: KLAL	To: KLAL
FLT #:	Blk In: 0125 z	Lnd Time: 0119 z
ETD: 1730z	Blk Out: 1716 z	T/O Time: 1725 z
ETE: 8+00	Total Blk: 8.2	Total Flt: 7.9
Sponsoring Org: NHC	Program: PHS	Purpose: NATE SS

AOC Flight Crew

Aircraft Commander: TWING	SSA: DEFE O
Co-Pilot: SIMS, I	AVAPS: GREENE, J. SMITH
Navigator: /	Scientists:
Flight Eng: /	Scientists:
Flt Director: HENNING SEARS	Scientists:
SEB: / /	Scientists:
Crew Chief:	Visitors: / /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	#2 1009.9	32C 29.97 STA 1010.0	#2 1008.7	27C 29.93 1008.6

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	36	Good: 36	Bad:	Sent: 36 + 1 RD41
AXBT		Good:	Bad:	Sent:

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

Remarks:  
  
ISZ

## APPENDIX 2 – GIV QC Checklist

Flight ID:	20171006N2
Flight Director(s):	HENNING/SEARS

Pressure Comparison		
	T/O	Land
Aircraft	1009.9	1008.7 #2
Tower	1010.0	1008.6

UWZ.d mean: +0.16

	Raw 1Hz Mean File Parameters				C File Parameters	
Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1		AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2			
	AccAXI.3	AccAYI.3	AccAZI.3			
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	
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		
Lat/Lon	LatGPS.1	LatI.1	LonGPS.1	LonI.1	LATref	
	LatGPS.2	LatI.2	LonGPS.2	LonI.2	LONref	
	LatGPS.3		LonGPS.3			
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
Air Speed	CasADDU.1	TasADDU.1	IasADDU.1		IAS.d	TAS.d
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		
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			
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 worse than day before  
 TDM.2 too dry near surface (~130 meters)  
 but much better at operational altitudes.



FLIGHT ID 20171006N2  
 MISSION ID 0616 A NATE

Flight Director HENNING / SEARS  
 Page 1 of     

Drop #	CH	TIME	Sonde Serial #	OBS #	Lat	Long	SFC Pressure	SFC or Last Wind	500 mb	250 mb	Status	KWBC Time	Comments
1	1	175137	162735025	1	25.6	083.4	1011	10524 / 11.7m	5899	11023	P S F	1817	its
2	2	180344	163845114	2	24.4	084.2	1008	12531 / 10.6m	5871	11013	P S F	1825	its
3	3	181518	162715153	3	23.2	084.9	1007	11528 / 15m	5856	11002	P S F	1836	its
4	4	182758	163025027	4	21.8	085.2	1003	10520 / 9.5m	5834	10985	P S F	1849	its
5	4	184130	164015012	5	20.9	083.9	1004	12036 / 8.2m	5850	10997	P S F	1859	its
6	2	185220	162815260	6	19.6	084.1	1003	16539 / 10.9m	5827	10989	P S F	1914	allowed surf winds
7	3	190225	162715230	7	18.5	084.6	NA	NA	NA	NA	P S F	1923	early termination its
8	4	191236	162715252	8	18.3	083.3	1006	18023 / 9.7m	5855	10983	P S F	1931	its
9	1	192249	162655063	9	17.2	082.8	1006	19028 /	5855	10977	P S F	1951	its
10	2	193344	163255017	10	16.2	083.8	1007	16016 / 10.4m	5857	10977	P S F	1959	allowed surf winds its
11	3	194529	163815022	11	16.2	085.3	1006	29019 / 8.5m	5843	10972	P S F	2012	its
12	4	195644	163255070	12	16.6	086.7	1006	245 / 07.06m	5837	10975	P S F	2022	its
13	1	200913	162655053	13	18.0	086.3	1004	265 / 17 / 10.6m	5831	10975	P S F	2037	its
14	2	201920	162735031	14	18.6	087.5	1004	28013 / 10.6m	5831	10972	P S F	2102	its
15	3	204931	162735028	15	19.6	091.4	1005	31515 / 7.9m	5819	10939	P S F	2113	its
16	4	210041	162735023	16	21.0	091.4	1005	335 / 18 / 8.5m	5825	10922	P S F	2122	its
17	1	211350	162735037	17	21.8	090.0	1004	12511 / 10.3m	5831	10962	P S F	2142	its
18	2	212845	162735045	18	23.2	089.9	1004	09506 / 14.2m	5831	10968	P S F	2149	its
19	3	213719	162715174	19	23.6	089.9	1004	09514 / 10.4m	5849	10986	P S F	2201	its
20	4	214744	162655177	20	24.9	089.9	1002	11017 / 8.5m	5831	10969	P S F	2206	its
21	1	215821	163255048	21	25.2	088.6	1005	08023 / 9.1m	5854	10991	P S F	2228	its
22	2	220824	162735040	22	26.4	088.6	1006	10020 / 8.4m	5862	10986	P S F	2234	its
23	3	221937	162735096	23	26.7	090.0	1006	11016 / 9.2m	5854	10981	P S F	2247	its
24	4	222909	162715175	24	27.9	89.9	1008	09519 / 9.7m	5871	10989	P S F	2259	its
25	1	223854	162655139	25	28.1	88.6	1009	09025 / 7.3	5868	10988	P S F	2306	its
26	2	225037	162715168	26	29.5	88.3	1011.5	08019 / 12m	5890	11005	P S F	2318	its
27	3	225941	162655138	27	29.4	87.1	1012	10018 / 9.9m	5891	11005	P S F	2329	its
28	4	231213	163815028	28	28.0	87.0	1010	08523 / 11.1m	5801	11003	P S F	2334	its
29	1	232541	162655178	29	26.5	87.0	1007	09023 / 7.3m	5864	11002	P S F	2348	its
30	2	233942	1640150015	30	25.0	87.1	1005	14030 / 8.6m	5850	10995	P S F	2357	its
31	3	234852	162735043	31	23.9	87.3	1004	12021 / 12.0m	5847	11006	P S F	0007	its / used RH2
32	4	235834	163815038	32	23.9	86.1	1005	10527 / 5.4m	5848	10998	P S F	2017	its
33	1	000856	162735003	33	25.1	85.5	1007	09028 / 13m	5868	11011	P S F	2029	its
34	2	000042	162655184	34	26.5	85.5	1010	10023 / 11.2m	5889	11018	P S F	2039	its
35	3	003213	162715085	35	27.9	82.4	1011	10021 / 10.6m	5894	11012	P S F	0051	its
36	4	004228	163815103	LR	28.0	83.9	1011	05513 / 8.2m	5903	11014	P S F	0101	its



Project: Hurricane 2017

Mission: TS NATE

Flight ID: 20171006N2

Take Off: \_\_\_\_\_

Landing: \_\_\_\_\_

Flt Dir: Henning

Launcher S/N: \_\_\_\_\_

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	162735025	1	-0.9	1751	JAS	NWS		✓
2	163845114	2	-0.1	1803		↓		✓
3	162715153	3		1815		↓		✓
4	163025027	4	-1.8	1827				✓
5	164015012	1	-1.3	1841				✓
6	162815260	2	-1.4	1852				✓
7	162715230	3	-0.7	1902			FAILED @ 750MB	B
8	172620590	8	-0.9	1902		→	RDY1 - RH off scale 600 MB - FAILED @ 950MB	B
9	162715252	4	-1.0	1912			DP8	✓
10	162655063	1	-0.9	1922				✓
11	163255017	2	-0.7	1933				✓
12	163815022	3	-1.0	1945				✓
13	163255070	4	-0.8	1956			DP2	✓
14	162655053	1	-1.4	2009				✓
15	162735031	2	-0.8	2019	JAS			✓
16	162735028	3	-1.2	2049	JG		DID NOT SEE RDY1 DROP STARTED AT DP16	
17	162735023	4	-1.2	2100		↓		dy
18	162735037	1	-0.8	2113				
19	162735045	2	-0.9	2128				
20	162715174	3	-0.8	2137				
21	162655177	4	+1.4	2147				
22	163255048	1	-1.0	2158				
23	162735040	2	-1.0	2208				
24	162735096	3	-1.4	2119				
25	162715175	4	-1.1	2229				
26	162655139	1	-1.2	2238				
27	162715168	2	-1.2	2250				
28	162655138	3	-1.0	2259				
29	163815028	4	-1.1	2312				
30	162455178	1	-1.0	2325				
31	164015015	2	-1.0	2338				
32	162735043	3	-0.6	2348				
33	163815038	4	-0.8	2358				
34	162735003	1	-0.9	0856				MR



10/06/2017, 16:52:07-25:25:28

