

Flight Director: Henning / Sears
Phone #: 863-500-3982

ACAT-4 Version = 7.3

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

FLT ID: 20190829N1 From: KLAL To: KLAL
 FLT #: Blk In: 0125 z Lnd Time: 0106 z
 ETD: 1730 z Blk Out: 1721 z T/O Time: 1734 z
 ETE: 7430 Total Blk: 7.9 Total Flt: 7.5
 Sponsoring Org: NHC Program: PHS Purpose: HUR DORIAN

AOC Flight Crew

Aircraft Commander: TWINING SSA: DEFEO
 Co-Pilot: Waddington Norman AVAPS: J SMITH UNDERWOOD
 Navigator: / Scientists: -
 Flight Eng: / Scientists: MEDIA George Waldenberger
 Flt Director: HENNING SEARS Scientists:
 SEB: K. SMITH / Scientists:

Crew Chief: Visitors: / /

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

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: 33 Bad: 3 Sent: 33

AXBT Good: Bad: Sent:

List other data sources in Remarks section

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: 1405A DORIAN
(ie: NOAA2 2418A SANDY)

Remarks:
 ABC 328p Davis Dwyer 32S/11 WALDENBERGER
 212-456-1900 NLT 345 00Z
 Fox 3:55 646-852-9717 22.9 68.1 1938
 CNN Jim Sc 7:45p
 (212) 275-9051
 alt (646) 357-2666 Bob Hand

13 min

G-IV QC Checklist

Flight ID:	20190829N1
Flight Director(s)	Henning / Sears
UWZ.d mean:	0.12

Pressure Comparison		
	T/O	Land
Aircraft	1009.4	1009.5
Tower	1009.0	1009.0

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

FLID_Mission_Documents.pdf:	
<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 checked="" type="checkbox"/>	Flight Track
<input checked="" type="checkbox"/>	Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input checked="" type="checkbox"/> X

NOTES:
<p>TDM.2 unrepresentative</p> <p>Moisture quantities remain suspect</p> <p>Wind data remains suspect</p> <p>QC performed by Quinn Kalen</p>

AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: 20190829N1

ASPEN Operator/Flight Director(s): HENNING / SEARS

Mission ID: 1405A

Storm Name/Track: DORIAN

PG of

Sonde #	Ob #	Launch Time HHMMSS (Z)	Sonde ID (min last 5)	Ch # used	Lat (°N)	Lon (°E)	Prominent Wx Cond.	SFC Prs (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	1	180808	21141	1	28.6	-78.7	SCT	13.4	NA	1831	N
2	2	182031	40471	2	28.7	-77	SCT	14.0	NA	1837	N
3	3	183300	20236	3	28.7	-75.3	SCT	13.0	NA	1903	N
4	4	184641	10099	4	28.7	-73.5	FEW	14.4	NA	1912	Y
5				1					PTH		Y
6	5	190121	30555	2	28.7	-71.5	FEW	14.9	NA	1926	N
7	6	191244	40337	3	28.6	-78.1	SCT	15.7	NA	1943	N
8	7	192546	10233	4	27.08	-70	SCT	15.1	NA	2017	N
9	8	193817	30277	1	25.8	-70.9	U-CAST	13.7	NA	2024	N
10	9	194918	40555	2	25.1	-70.2	U-CAST	14.0	NA	2030	N
11	10	195828	40552	3	25.3	-69.1	U-CAST	12.9	NA	2036	N
12	11	200829	30069	4	25.3	-67.7	U-CAST	13.9	NA I KEPT SURF WIND	2044	N
13	12	201906	30071	1	24.7	-66.5	U-CAST	14.4	NA	2111	N
14	13	203010	20235	2	23.6	-65.7	U-CAST	13.3	NA	2115	N
15	14	204157	50447	3	22.4	-65.4	U-CAST	13.2	NA	2118	N
16				4					FAST FALL	2124	N
17	15	205418	10229	1	21.0	-65.9	U-CAST	12.0	NA	2124	2128
18	16	210402	21125	2	20.0	-66.5	SCT	11.8	NA	2128	
19	17	211420	21120	3	19.5	-67.7	SCT	11.2	NA	2157	N
20	18	212432	10218	4	19.5	-69.1	FEW	10.8	NA	2201	N
21	19	213406	50391	1	20.1	-70.2	FEW	11.3	NA	2205	N
22	20	214418	10406	2	20.16	-70.17	FEW	11.8	NA	2210	N
23	21	215723	40454	3	22.4	-69.8		11.6	NA	2219	N
24	22	220630	30070	4	23.4	-69.4	CDD	13.0	NA	2230	N
25	23	221503	10408	1	24.0	-68.4	CDD	12.3	NA	2238	N
26	24	222547	10184	2	23.5	-67.2	CDD		EARLY TERMINATION	2302	Y
27	25	223629	40341	3	22.4	-67	FEW		NA	2308	N
28	26	224648	50623	4	21.3	-67.5	FEW		NA	2329	N
29				1					NO PTH		Y
30	27	225538	50425	2	21	-68.5	FEW	12.1		2334	N
31	28	230342	50433	3	21.5	-69.5	FEW	12.4	NA	2337	N
32	29	231942	50710	1	22.5	-71.3	FEW	12.5	NA	2344	N
33	30	233330	10202	4	23.4	-72.8	FEW	13.6	NA LAST WIND #	2355	N
34	31	234339	40447	2	23.9	-73.9		13.3	NA	0020	N
35	32	235240	20445	3	24.5	-75		13.2	NA	0023	N
36	33	000104	50441	1	25	-76		12.8	NA LAST REPORT	0025	N
37											
38											

ASPEN Operator will ensure this form is delivered to the AOC Flight Director to be archived

COMMENTS:

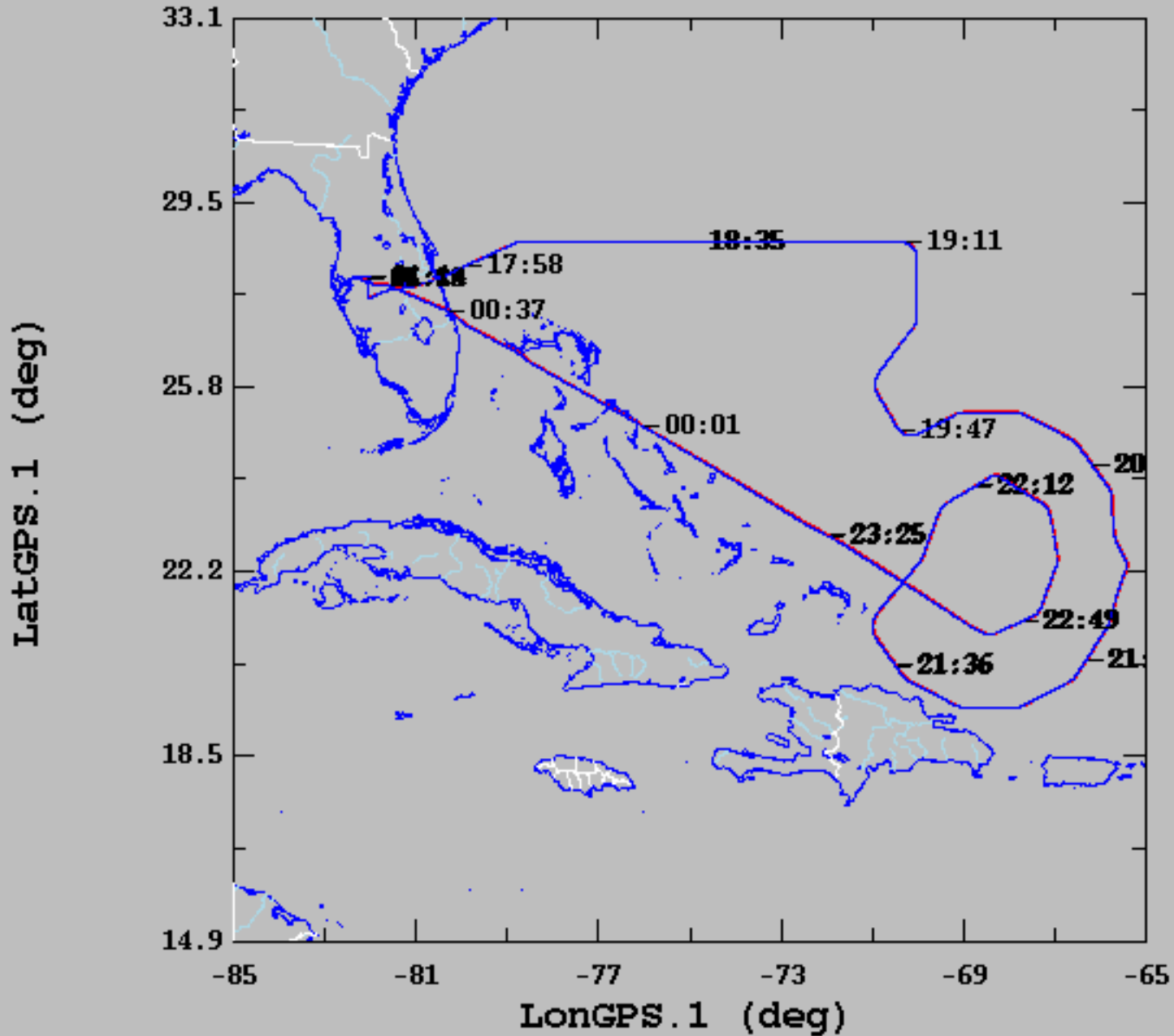
Obs Xmitted

Obs Missed

of sondes launched

of bad sondes

2019-08-29, 16:46:17-25:14:08



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.09	2.94	19.48	28.70
— LongGPS.1 (deg), 1 s/sec	-73.26	5.56	-82.35	-65.40
— LatI.1 (deg), 1 s/sec	25.11	2.94	19.49	28.72
— LonI.1 (deg), 1 s/sec	-73.24	5.57	-82.32	-65.37