

AXCTDs	0	0	0
UAS	0	0	0

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

ACAT-4 Version = 7.3

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

FLT ID: 20190827N1	From: TISX	To: TBPB
FLT #:	Blk In: 0007z	Lnd Time: 0002z
ETD: 1730z	Blk Out: 1720z	T/O Time: 1729z
ETE: 8+00	Total Blk: 6.8	Total Flt: 6.6
Sponsoring Org: NHC	Program: PHS	Purpose: DORIAN SS

AOC Flight Crew

Aircraft Commander: MANSOUR	SSA: DEFE O
Co-Pilot: WADDINGTON NARD I	AVAPS: J SMITH UNDERWOOD
Navigator: /	Scientists: NEWNAM
Flight Eng: /	Scientists:
Flt Director: HENNING FLAHERTY	Scientists:
SEB: CLYNCH /	Scientists:
Crew Chief: NEWNAM	sitors: / /

	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	32	Good: 30	Bad: 2	Sent: 30
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: 0605A DORIAN (ie: NOAA2 2418A SANDY)			

Remarks:

W

TNCC

G-IV QC Checklist

Flight ID:	20190827N1
Flight Director(s)	Henning / Flaherty
UWZ.d mean:	0.1

Pressure Comparison		
	T/O	Land
Aircraft	1012.8	1008.3
Tower	1015.0	1007.9

	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"/> AltBCADDU.2	<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"/> 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"/> GsGPS.2	<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 type="checkbox"/> GsGPS.3	<input checked="" type="checkbox"/> GSYref	
	<input checked="" type="checkbox"/> GsXI.3	<input checked="" type="checkbox"/> GsYI.3	<input checked="" type="checkbox"/> GsZI.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"/> TDM.2		<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"/>

NOTES:
<p>PDBETA.1 trending 2 mb low</p> <p>PQBETA.1 trending 5 mb low</p> <p>TTM.1 unrepresentative between 20:40 and 21:31</p> <p>TDM.2 unrepresentative for duration of flight</p> <p>Moisture quantities remain suspect</p> <p>Wind data remain suspect</p> <p>QC performed by Quinn Kalen</p>

AOC GPS Dropwindsonde Log (updated Mar 2019)

30/32

Flight ID: 20190827N1

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

Mission ID: 0605A DORIAN

Storm Name/Track: TS DORIAN SURV.

PG 1 of 1

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	1747	30729	1	16.8	-63.5	FEW BLW	1012.0	LHD, Low DRO	1822	Y
2	2	1757	21142	2	18.0	-63.2	"	1013.7		1840	N
3	3	1807	53148	3	19.0	-64.0	"	1013.9		1843	N
4	4	1817	30092	4	19.7	-62.9	"	1014.7		1854	N
5	5	1829	30642	1	19.4	-61.5	SET BLW	1015.0		1858	N
6	6	1845	50147	2	17.6	-61.5	"	1013.4		1944	N
7	7	1900	40440	3	19.0	-60.2	"	1014.4	EDITED FOR SFC WINDS	1946	N
8	8	1912	21272	4	19.9	-58.9	"	1014.8		1954	N
9	9	1923	21267	1	19.9	-57.4	"	1015.2		2001	N
10	10	1932	21048	2	18.8	-57.3	"	1015.1		2006	N
11	11	1943	10167	3	18.5	-58.7	BLW BLW	1014.7		2031	N
12	12	1958	40414	4	17.1	-59.7	OVC BLW	1013.9		2036	N
13	13	2012	50631	1			FEW BLW		NO WINDS		Y
14	14	2013	30639	2	16.8	-58.0	BLW BLW	1013.8	BACK UP	2040	N
15	15	2028	50619	3	15.1	-58.0	OVC BLW	1012.6		2051	N
16	16	2047	10403	4	15.1	-60.3	"	1010.7		2115	N
17	17	2100	40163	1	15.0	-61.9	"	1010.0		2126	N
18	18	2109	40339	2	14.0	-62.5	"	1010.8		2130	N
19	19	2118	40458	3	13.6	-63.5	"	1009.9		2200	N
20	20	2127	40554	4	14.0	-64.5	"	1010.2		2205	N
21	21	2136	30068	1	15.1	-65.0	"	1011.8		2222	N
22	22	2144	30788	2	16.0	-64.7	"	1011.2		2228	N
23	23	2150	10178	3	16.4	-66.2	BLW BLW	1012.4		2248	N
24	24	2206	40548	4	16.9	-67.3	SET BLW	1013.0		2255	N
25	25	2224	30263	1	15.0	-66.5	"	1011.9		2257	N
26	26	2236	20234	2	13.7	-66.1	"	1011.5	EDITED FOR SFC WINDS	2300	N
27	27	2247	40456	3	12.7	-65.3	"	1010.4		2308	N
28	28	2258	10182	4	12.2	-64.1	DARK	1012.0		2318	N
29	29	2310	50403	1	12.2	-62.7	"	1012.2		2329	N
30	30	2321	20512	2	12.7	-61.6	"		BAD DATA NEAR SURFACE - EDITED	2342	Y
31	31	2335	30298	3			"		LAST REPORT FAST FALL		Y
32	32	2336	10396	4	13.6	-60.7	"	1012.9	LAST REPORT	2355	N
33											
34											
35											
36											
37											
38											

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

COMMENTS:

Obs Xmitted

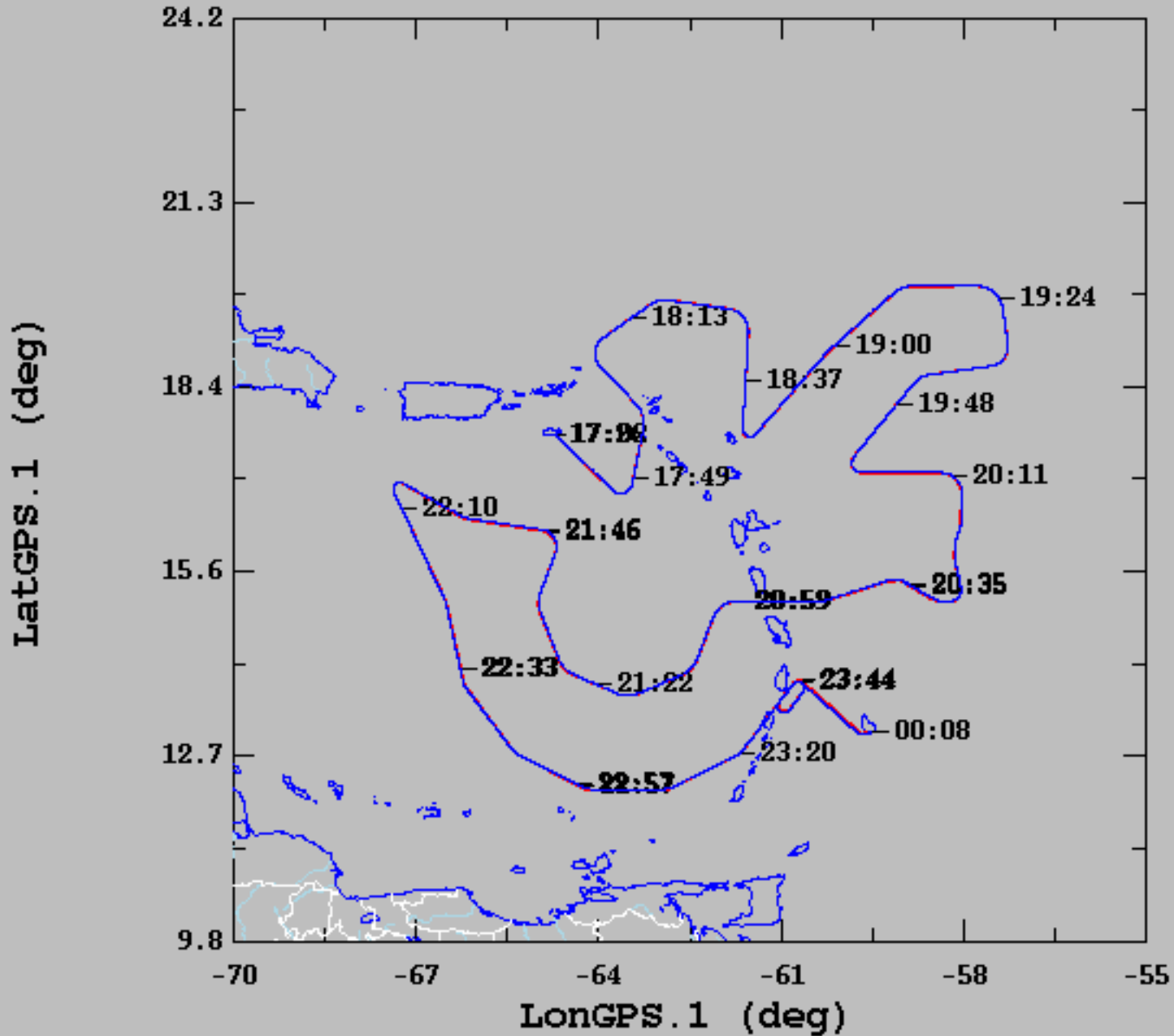
Obs Missed

of sondes launched

of bad sondes

15N
62.5

2019-08-27, 17:02:42-24:08:12



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	16.16	2.32	12.18	20.00
— LongGPS.1 (deg), 1 s/sec	-62.21	2.78	-67.36	-57.25
— LatI.1 (deg), 1 s/sec	16.16	2.32	12.16	20.00
— LonI.1 (deg), 1 s/sec	-62.21	2.78	-67.36	-57.25