

G-IV QC Checklist

Flight ID:	20190828N1
Flight Director(s)	Henning / Flaherty

UWZ.d mean:	0.1
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Pressure Comparison		
	T/O	Land
Aircraft	1007.7	1007.9
Tower	1007.0	1008.3

	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"/>

NOTES:
<p>Data systems restart at 00:50, systems online at 00:57</p> <p>AltGPS.3, LatGPS.3, and LonGSP.3 inop for duration of flight</p> <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: 20190828N1 ASPEN Operator/Flight Director(s): Henning / Flaherty

30/30

Mission ID: 1005A DORIAN Storm Name/Track: DORIAN PG of

Sonde #	Ob #	Launch Time HMMSS (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	1801	0203	1	13.9	60.8	SCT	1012.1	5887 10978 115/13	1824	PXBF
2	2	1812	0897	2	14.7	62.1	SCT	1012.0	5887 10978 135/16	1833	PXBF
3	3	1823	1045	3	15.6	63.4	CBs	1011.9	5882 10975 170/23	1843	PXBF
4	4	1835	0665	4	16.7	64.2	CDO	1011.5	5879 10984 190/27	1857	PXBF
5	5	1845	1089	1	17.9	64.3	CDO	1010.9	5856 10979 150/33	1905	PXBF
6	6	1856	1087	2	19.2	64.7	CDO	1011.0	5865 10978 130/35	1919	PXBF
7	7	1906	0096	3	20.3	65.6	CDO	1012.1	5871 10966 105/15	1925	PXBF
8	8	1917	0638	4	21.0	66.6	TCUs	1012.0	5875 10952 085/16	1938	PXBF
9	9	1935	0640	1	22.9	67.9	SCT	1013.0	5879 10934 120/11	1958	PXBF
10	10	1946	0658	2	23.9	68.9	SCT	1014.0	5885 10925 125/13	2006	PXBF
11	11	1959	1195	3	23.9	70.8	SCT	1013.5	5881 10937 150/13	2019	PXBF
12	12	2010	0163	4	23.8	72.3	OVC	1013.8	5874 10966 310/11	2034	PXBF
13	13	2023	0194	1	22.3	72.9	OVC	1012.5	5876 10974 305/01	2043	PXBF
14	14	2042	0850	2	20.0	73.5	OVC	1011.2	5877 10968 055/09	2103	PXBF
15	15	2100	0333	3	18.2	74.9	SCT	1011.4	5879 10964 160/03	2121	PXBF
16	16	2125	0551	4	16.4	72.3	FEW	1010.5	5879 10954 055/11	2148	PXBF
17	17	2141	0657	1	16.5	70.1	CLR	1010.6	5881 10959 065/9	2206	PXBF
18	18	2152	0220	2	15.5	69.2	FEW	1010.5	5878 10964 075/8	2215	PXBF
19	19	2202	0334	3	15.0	68.0	FEW	1011.0	5880 10972 110/6	2223	PXBF
20	20	2212	1197	4	15.1	66.8	SCT	1011.2	5879 10971 170/5	2238	PXBF
21	21	2227	0450	1	16.9	66.3	OVC	1010.4	5869 10963 190/5	2247	PXBF
22	22	2238	0446	2	17.5	67.1	OVC	1011.3	5880 10969 295/6	2301	PXBF
23	23	2243	0210	3	18.3	67.6	CDO	1010.7	5876 10966 045/9	2306	PXBF
24	24	2252	0219	4	18.9	66.8	CDO	1011.0	5875 10968 040/9	2323	PXBF
25	25	2303	1090	1	19.5	67.7	CDO	1012.2	5887 10970 075/14	2357	PXBF
26	26	2316	0201	2	20.3	69.3	OVC	1012.1	5880 10950 LST WIND 350003	080/10	PXB
27	27	2337	0853	3	20.9	71.9	—	1012.5	5876 10975 095/15	0010	PXB
28	28	2358	0278	4	21.3	74.5	—	1013.0	5876 10975 045/5	0021	PXB
29	29	0011	0666	1	22.4	75.9	—	1012.9	5880 10982 280/10	0034	PXB
30	30	0025	0181	2	23.5	77.1	—	1012.5	5886 10994 300/3	0046	PXB
31											
32											
33											
34											
35											
36											
37											
38											

7:40 CNN

LAST

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

COMMENTS:

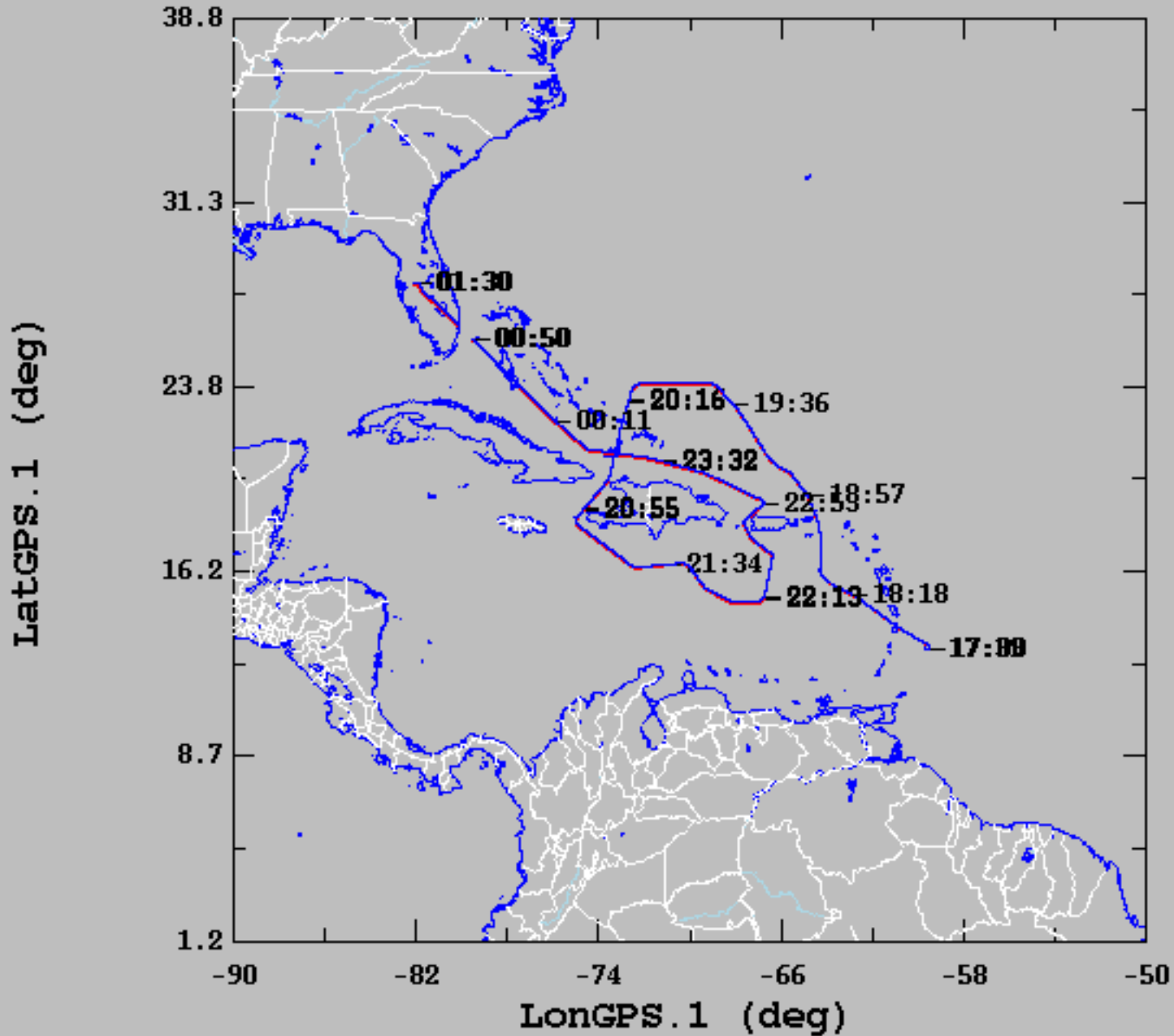
Obs Xmitted

Obs Missed

of sondes launched

of bad sondes

2019-08-28, 17:00:05-25:30:01



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	19.37	4.03	13.07	27.99
— LongGPS.1 (deg), 1 s/sec	-69.55	6.00	-82.03	-59.43
— LatI.1 (deg), 1 s/sec	19.34	4.02	13.06	27.95
— LonI.1 (deg), 1 s/sec	-69.57	6.01	-82.07	-59.43