

AXBTS	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Holmes
Phone #: 863-500-3983

ACAT-4 Version = 7.3

P-3 QC Checklist

Flight ID:	20190831H1
Flight Director(s):	Holmes
UWZ.d mean:	0 m/s

Pressure Comparison		
	T/O	Land
Aircraft	1009.0	--
Tower	1009.0	

	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI-GPS.1 ✓ AccAXI-GPS.2	✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI-GPS.1 ✓ AccAYI-GPS.2	✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI-GPS.1 ✓ AccAZI-GPS.2	✓ AccZfilter-GPS.1 ✓ AccZfilter-GPS.2	✓ AccZref	
✓ Altitude	✓ AltGPS.1 ✓ AltGPS.2 ✓ AltGPS.3 ✓ AltGPS.4	✓ AltI-GPS.1 ✓ AltI-GPS.2	✓ AltPaADDU.1 ✓ AltBCADDU.1	✓ AltRA.1 ✓ AltRA.2	✓ ALTref ✓ ALTPA.d ✓ ALTGA.d	✓ AltRA1.c ✓ AltRA2.c
✓ Ground Speed	✓ GsXI-GPS.1 ✓ GsXI-GPS.2	✓ GsYI-GPS.1 ✓ GsYI-GPS.2	✓ GsZI-GPS.1 ✓ GsZI-GPS.2		✓ GSXref ✓ GSYref ✓ GSZref	
✓ Lat / Lon	✓ LatGPS.1 ✓ LatGPS.2 ✓ LatGPS.3 ✓ LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 ✓ LonGPS.3 ✓ LonGPS.4	✓ LonI-GPS.1 ✓ LonI-GPS.2	✓ LATref ✓ LONref	
✓ Pressure	✓ PDAI.1 x PDAI.2 ✓ PDBETA.1 x PDBETA.2	✓ PQALPHA.1 ✓ PQBETA.1	✓ PQM.1 ✓ PQM.2 ✓ PQM.3 ✓ PQM.4	✓ PSM.1 ✓ PSM.2 ✓ PTM.1	✓ PDLAPHAref ✓ PDBETAref ✓ PQALPHAref ✓ PQBETAref	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ IasADDU.1		✓ IAS.d	✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 ✓ PitchI.3	✓ PitchRateI.1 ✓ PitchRateI.2 ✓ PitchRateI.3	✓ RollI.1 ✓ RollI.2 ✓ RollI.3	✓ RollRateI.1 ✓ RollRateI.2 ✓ RollRateI.3	✓ PITCHref ✓ ROLLref	
✓ Temp / Dewpt	✓ TTM.1 ✓ TTM.2 x TTM.3	✓ TDM.1 ✓ TDM.2 ✓ TDM.3	✓ TRadD.1 ✓ TRadS.1 x TRadU.1		✓ TD.c ✓ TDMref	✓ TTMref ✓ TA.d
✓ Misc. (Must check)					✓ UWZ.d ✓ DPJ_WSZ ✓ HUM	✓ WS.d ✓ WD.d

FLID_Mission_Documents.pdf:
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
✓ Dropwindsonde Log(s) - AVAPS and FD if completed
✓ Flight Track
✓ Miscellaneous FD Notes

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

NOTES:
<p>PDAI.2 INOP for entire mission</p> <p>PDBeta.2 INOP for entire mission</p> <p>PQM.1 failed during the transit back to KLAL</p> <p>None of these instrument failures affected the realtime dataset or the post processed dataset.</p>

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N42RF Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20190831H1	FLT #:		AC:	Didier	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	0930Z	CP(s):	Mitchell	Gus Alaka	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1800Z	Nav(s):	Doremus	Jason Sippel	ASOS Takeoff		30	1	30
Block Time		Flight Time		FE(s):	Freeman	Brittany Dahl	A/C Land		BTs		
In:	1617	Land:	1607	FD(s):	Lalonde	Paul Chang	ASOS Land		Good	Bad	Sent
Out:	0845	T/O:	0853	SEB:	Heystek	Lucrezia Ricciadrulli			—		
Total:	0007.5	Total:	0007.2	SSA:	Holmes	Visitors:	Storm Number ID:		AL052019		
Sponsoring Org:	EMC			AVAPS:	Lynch T	Raymond, Greg	(ie: AL142018)				
Program:	PRX				Naher	Cress, Zach	TCPOD/WSPOD Mission		NOAA2 1705A DORIAN		
Purpose:	TDR				Greene	Lizama, Becky	(ie: NOAA2 0614A MICHAEL)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X						
SCIENCE MISSION WITHIN BDY LAYER					X						
LACK OF PRECIPITATION					X	5x Hurricane pennants					
RELATIVE HUMIDITY ≥ 80%				X							
LARGE AIR-SEA TEMP GRADIENT					X	CAT IV					
HIGH SURFACE WINDS				X							
LONG FETCH / DURATION OF SFC WND				X							
SEA SALT ACCRETION FORECAST					X						
SEA SALT ACCRETION OBSERVED					X						
							*Highlighted items must be completed before departure.				
Remarks:											

AVAPS Drop Log

Project: H. DORIAN

Mission: H. DORIAN

Flight ID: 20190831H1

Take Off: _____

Landing: 11:07

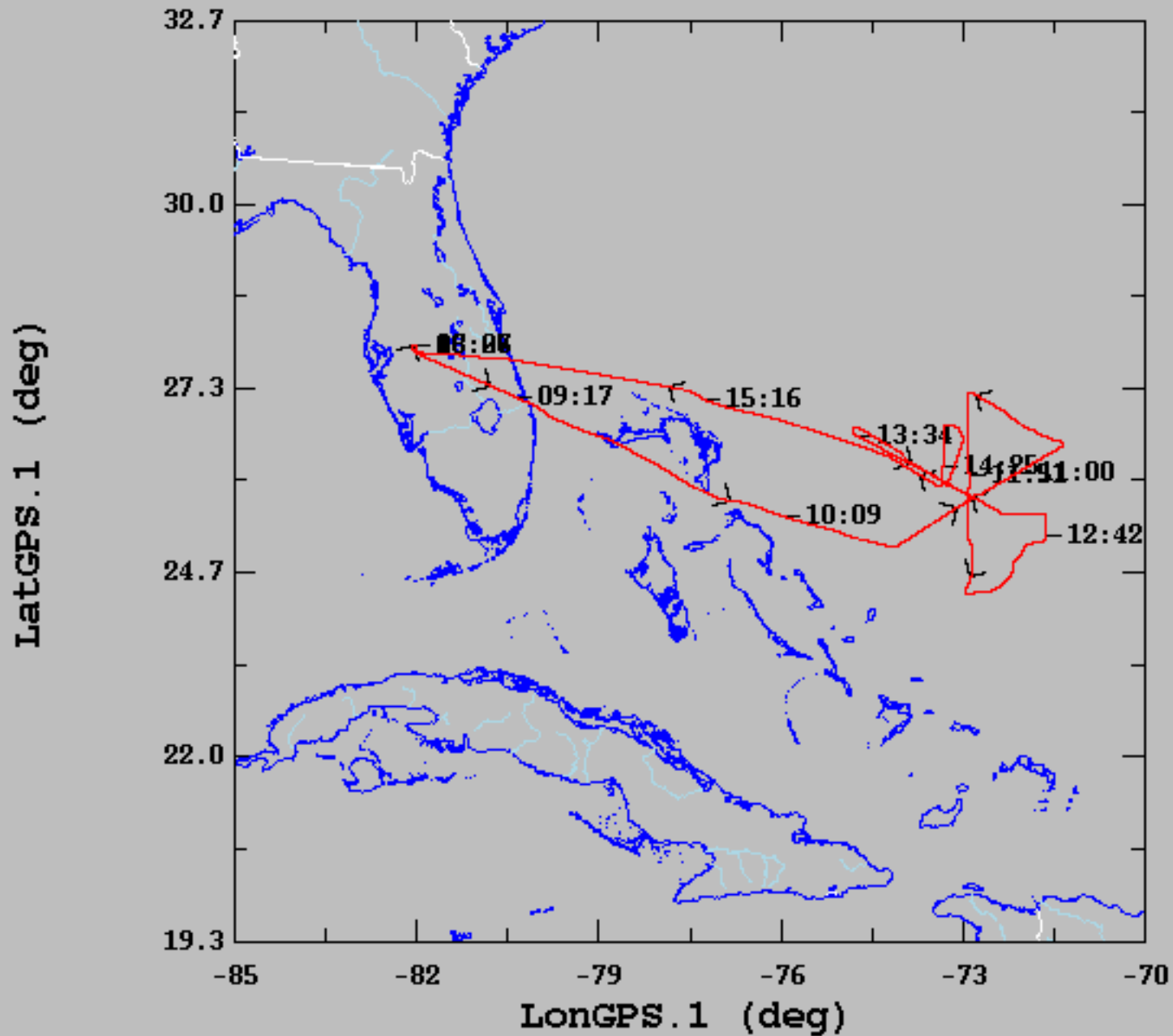
Flt Dir: HOLMES

Launcher S/N: N/A

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	183311089	1	0	10:08	Jb	NWS		
2	184030508	2	-0.4	10:30	Jh	NWS		
3	184750318	3	0	10:50		NWS	7m w	
4	183321104	4	0	10:52		NESDIS	12m w	
5	184750417	5	0	11:01		NWS		
6	184750446	6	0.5	11:12		NWS		
7	184750450	7	0	11:33		NWS		
8	184750460	8	0	11:50		NWS		
9	183310987	1	0	11:53		NESDIS		
10	184750335	2	-0.5	11:56		NWS	center lake winds.	
11	183010998	3	0	11:58		NWS	center	
12	183311005	4	0	11:58		NESDIS		
13	183310986	5	0	12:07		NWS		
14	184750333	6	-0.5	12:00		NWS		
15	183311073	7	-0.3	12:41	TML	NWS		✓
16	184030509	8	-0.4	12:56				✓
17	18470329	1	-0.4	13:05		NESDIS		✓
18	183321088	2	-0.3	13:09		NESDIS		✓
19	184750340	3	-0.4	13:19		NWS		✓
20	184750310	4	-0.4	13:27		NWS		✓
21	184750328	5	-0.5	13:07		NWS		✓
22	184750337	5	-0.5	13:57		NESDIS		✓
23	183311008	6	-0.5	13:58				✓
24	183331012	7	-0.9			NWS		✓
25	184030613	8	-0.5	14:01		NESDIS		✓
26	184750337	1	-0.4	14:25				✓
27	183321072	2	-0.6	14:02				✓
28	183321093	5	-0.5	14:27				✓
29	183311004	6	-0.2	14:32				✓
30	182730868	7	-0.5	15:08		NWS		✓
31	183331010	8	-0.8	15:28				

20190831H1 Flight Track

2019-08-31, 08:26:36-16:07:50



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	26.42	0.94	24.34	27.99
— LonGPS.1 (deg), 1 s/sec	-75.58	3.40	-82.07	-71.32