



Expendable Type	# deployed	# good	# transmitted
-----	-----	-----	-----
Dropsondes	27	25	25
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Sears  
Phone #: NA

ACAT-4 Version = 7.3

## P-3 QC Checklist

Flight ID:	20190901H1
Flight Director(s):	Sears
UWZ.d mean:	-0.01 m/s

Pressure Comparison		
	T/O	Land
Aircraft	1009.5	--
Tower	1010.0	

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

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 type="checkbox"/>	Miscellaneous FD Notes

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

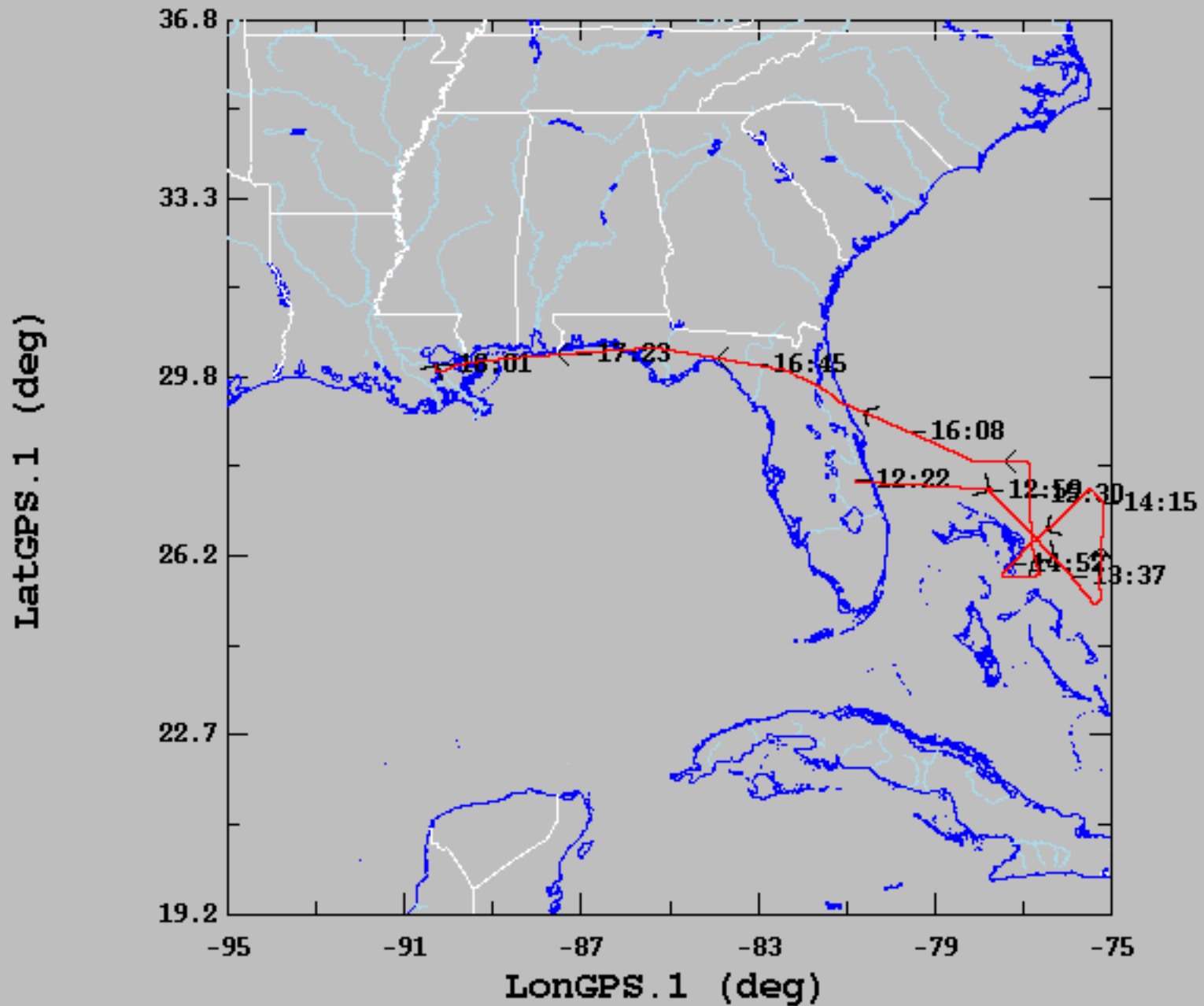
NOTES:
PDAlpha.2 INOP for entire mission PDBeta.2 INOP for entire mission PQM.1 failed during the transit back to home station QC accomplished by M Holmes TDM.1 unrepresentative for large portion of the flight. None of these instrument failures affected the realtime dataset or the post processed dataset.

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20190901H1	FLT #:		AC:	Didier	Scientists:	Pressure		Dropsondes		
From:	KLAL			CP(s):	Mitchell	Sippel	A/C Takeoff		Good	Bad	Sent
To:	KMSY	ETA:				Dahl			<b>25</b>	<b>2</b>	<b>25</b>
Block Time		Flight Time		Nav(s):	Freeman	Dunion	ASOS Takeoff		<b>BTs</b>		
In:	<b>18:09</b>	Land:	<b>18:00</b>			Ricciotti, Gerard			Good	Bad	Sent
Out:	<b>11:56</b>	T/O:	<b>12:04</b>	FE(s):	Lalonde	Sawislak	A/C Land				
					Heystek	Chang					
Total:	<b>6:20</b>	Total:	<b>5:93</b>	FD(s):	Sears		ASOS Land				
Sponsoring Org:				SEB:	Lynch, T	Klippel	Storm Number ID:				
Program:						Olney	(ie: AL072012)				
Purpose:				SSA:	Naeher		TCP0D/WSP0D Mission				
				AVAPS:	Greene		(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH											
SCIENCE MISSION WITHIN BDRY LAYER											
LACK OF PRECIPITATION						<b>3 X CAT 5 Pennies</b>					
RELATIVE HUMIDITY ≥ 80%											
LARGE AIR-SEA TEMP GRADIENT											
HIGH SURFACE WINDS											
LONG FETCH / DURATION OF SFC WND											
SEA SALT ACCRETION FORECAST											
SEA SALT ACCRETION OBSERVED											
							*Highlighted items must be completed before departure.				
Remarks:											

# 20190901H1 Flight Track

2019-09-01, 12:22:10-18:01:04



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	27.94	1.57	25.28	30.34
— LongGPS.1 (deg), 1 s/sec	-79.73	4.41	-90.26	-75.17

# AVAPS Drop Log

Project: \_\_\_\_\_

Mission: DORIAN

Flight ID: 20190901H1

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

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

Fit Dir: SEAS

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

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	185120651	1	0	1255	JG	NWS		✓
2	185130879	2	-0.13	1311	JG	NWS		✓
3	191050422	3	0	1321		NESDIS		✓
4	191040483	4	-0	—		NWS	no launch det	X RMW
5	18573046	5	0	1324		NWS		✓
6	184750457	6	-0.6	1325		NWS		✓
7	184750439	7	-0.6	1326		NWS		✓
8	185130004	8	0	1335		NWS		✓
9	191040506	1	-0.5	1347		NWS		✓
10	184040035	2	-0.6	14		NWS		✓
11	185130193	3	0	1432				✓
12	191010492	4	-0.4	1436				✓
13	185130158	5	0	1440				✓
14	184040031	6	-0.5	—			no launch det	X
15	183330828	7	0.7	1447				✓
16	184750464	8	0.7	1444		NWS		✓
17a	184750437	1	-0.7	1445		NESDIS		✓
18	183321108	2	-0.5	1456		NWS		✓
19	19104509	3	0	1513		NWS		✓
20	183331036	4	0	1514		NWS		✓
21	191040505	5	0	1514		NESDIS		✓
22	185130005	6	0	1516		NWS		✓
23	183320976	7	0	1516		NESDIS		✓
24	183331031	8	-0.5	1518		NWS		✓
25	183321075	1	0.5	1519		NWS		✓
26	183331034	2	0	1519		NWS		✓
27	183311023	3	0	1530		NWS		✓
28	<del>183311054</del>	<del>4</del>	<del>-0.5</del>					
29								
30								
31								