

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20180912H1	FLT #:	1	AC:	Kibbey	Scientists:		Pressure		Dropsondes		
From:	TISX	ETD:	0930Z	CP(s):	Didier							
To:	TISX	ETA:	2330Z		Rossi			Wx Station Takeoff		19	0	19
Block Time		Flight Time		Nav(s):	Urato	Visitors:		Storm Number ID:		AL092018		
In:	1837	In:	1834	FE(s):	Darby							
Out:	0937	Out:	0944		Lalonde			Wx Station Land		—————		
Total:	9.0	Total:	8.8	FD(s):	Holmes			TCPOD/WSPOD Mission		0109A ISAAC		
Sponsoring Org:		NHC		SEB:	Greene			(ie: AL072012)				
Program:		PRX		SSA:	Mascaro			(ie: NOAA2 2418A SANDY)				
Purpose:		ISAAC		AVAPS:	Underwood			OBSERVATIONS				
AS REQUIRED BY ORM			Y	N	REMARKS			Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X								
SCIENCE MISSION WITHIN BDRY LAYER				X								
LACK OF PRECIPITATION				X								
RELATIVE HUMIDITY ≥ 80%			X		5 X TS @ Penn's							
LARGE AIR-SEA TEMP GRADIENT				X								
HIGH SURFACE WINDS			X		Sondes:							
LONG FETCH / DURATION OF SFC WND			X		8 X HRD							
SEA SALT ACCRETION FORECAST				X	11 X MWS (MHC)							
SEA SALT ACCRETION OBSERVED				X								

Additional Remarks:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180912 H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1011	✓
Tower	1011	✓

UWZ.d mean: -0.02 m/s

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

FLID_Mission Documents.pdf:

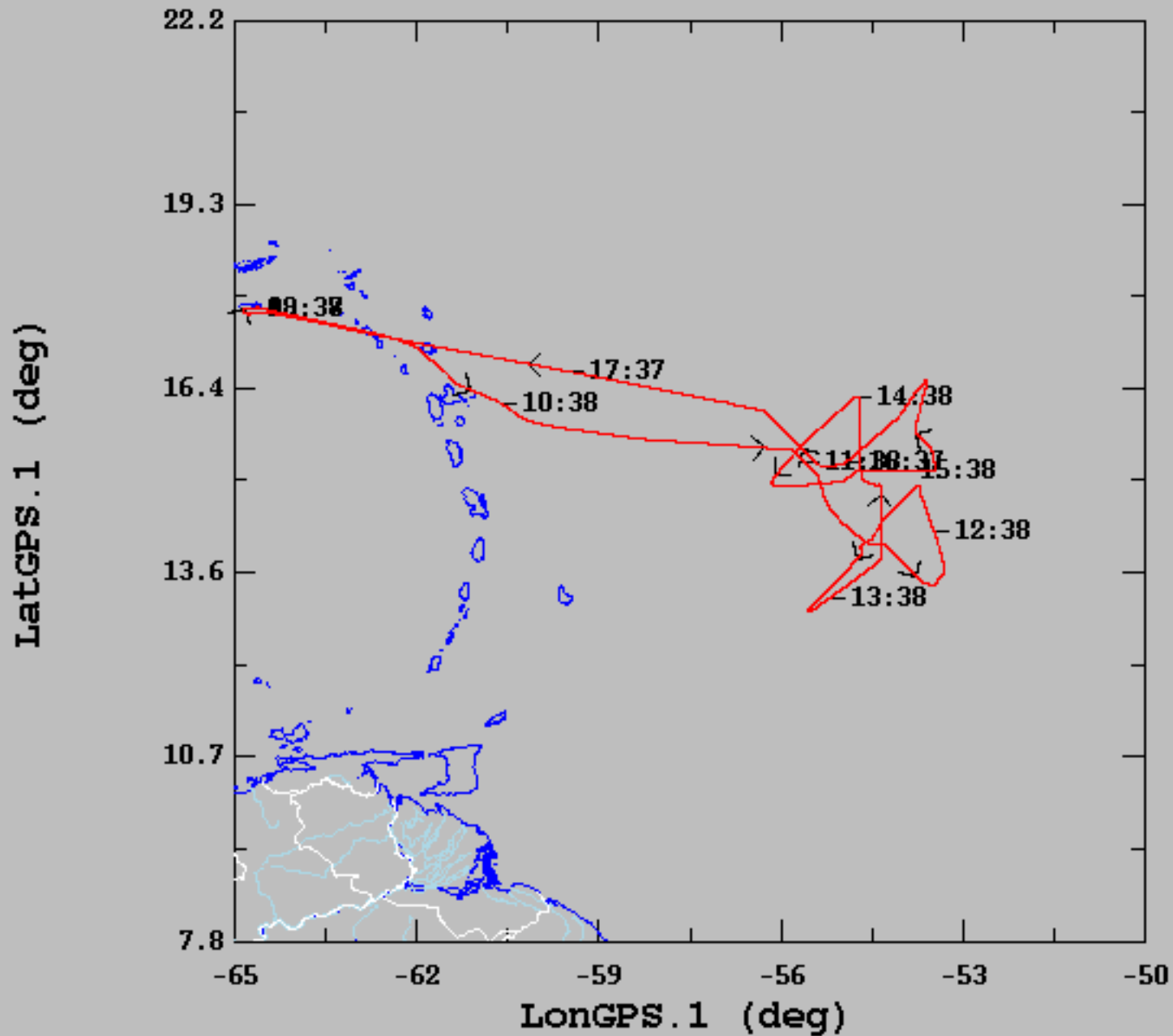
Error Summary
Crew Manifest
QC checklist
Dropwindsonde Log(s) – AVAPS and FD if completed
Flight Track
Miscellaneous FD notes

NOTES:

✗ PDAlpha.1 failed until 1143Z (transit)
 PDAlpha.2 Inop

20180912H1 Flight Track

2018-09-12, 09:38:57-18:37:39



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	15.56	1.25	12.93	17.72
— LongGPS.1 (deg), 1 s/sec	-57.00	3.47	-64.84	-53.28

NOAA • AOC • SED N42RF AVAPS DROP LOG

Lead Tech: Mike Mascaro

Project: Hurricane 2018

Mission: TS T:000

Flight ID: 20180912 H1

Take Off: 0940 Z

Landing: _____

Flt Dir: Holmes

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$ To	Comments	Good ?
1	163835003	1	-0.7	1133	NGK	NWS	JP, inbound (IB)	✓
2	163845109	2	-0.5	1143		HRD	Midpoint (MP), IB	✓
3	164425062	3	+0.1	1208		NWS	Center #1	✓
4	164345133	4	-0.1	1217		HRD	MP, outbound (OB)	✓
5	164015158	1	-0.1	1225		NWS	Endpoint (EP), OB, CA	✓
6	163835119	2	+0.4	1247		NWS	EP, IB	✓
7	154215122	3	-0.2	1257		HRD	MP, IB	✓
8	164345054	4	0.0	1311		NWS	Center #2	✓
9	143325023	1	-0.3	1325		HRD	MP, OB	✓
10	152325054	2	-0.6	1331		NWS	EP, OB	✓
11	152225027	3	-0.6	1353		NWS	EP, IB	✓
12	152225030	4	-1.0	1503		NWS	EP, IB	✓
13	152325040	1	-0.7	1517		HRD	MP, IB	✓
14	164345035	2	-0.1	1525		NWS	Center #3	✓
15	151325179	3	-1.0	1541		HRD	MP, OB	✓
16	163615049	4	+0.3	1546		NWS	EP, OB	✓
17	154215120	1	-0.4	1625		HRD	MP, IB	✓
18	163525030	2	-0.1	1643		NWS	Center #4	✓
19	163535003	3	+0.1	1653		HRD	MP, OB	✓
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Cut on
 Place to
 Verify th
 Fails