

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N42RF Manifest													
FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION					
FLT ID:	20190905H2	FLT #:		AC:	Kahn ✓	Scientists:		Pressure		Dropsondes			
From:	KLAL	ETD:	20:00Z	CP(s):	Abitbol ✓	Marks, Frank ✓		A/C Takeoff		Good	Bad	Sent	
To:	KLAL	ETA:	04:00Z		Rossi ✓	Zhang, Xuejin ✓				34	0	34	
Block Time		Flight Time		Nav(s):	Richards ✓	Sellwood, Kathryn ✓		ASOS Takeoff		BTs			
In:	0308	Land:	0258		Darby ✓	Hansen, Kurt UM ✓				Good	Bad	Sent	
Out:	1944	T/O:	1950	FE(s):	Lalonde ✓	Zelenak, Zorana ✓		A/C Land					
Total:	0.00	Total:	0.00	FD(s):	Parrish ✓	Sapp, Joe ✓		ASOS Land					
Sponsoring Org:		EMC		SEB:	McAlister ✓	Colon, Elsie ✓		Storm Number ID:	AL052019				
Program:		PRX			Richards, T. ✓	Rose, Elizabeth Telim ✓		(ie: AL142018)					
Purpose:		TDR Mission Hurricane Dorian		SSA:	Smith, J. ✓	zluogo, Milton Telimur ✓		TCPOD/WSPOD Mission	NOAA2 4905A DOR				
				AVAPs:		Edwards, Charles ✓		(ie: NOAA2 0614A MICHAEL)					
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP		
VOLCANIC ASH					X			1			960		
SCIENCE MISSION WITHIN BDRY LAYER					X			2			960		
LACK OF PRECIPITATION					X			3			959		
RELATIVE HUMIDITY ≥ 80%				X				4			959		
LARGE AIR-SEA TEMP GRADIENT					X			5			958		
HIGH SURFACE WINDS				X	X			6			959		
LONG FETCH / DURATION OF SFC WND				X				7			958		
SEA SALT ACCRETION FORECAST					X			8			957		
SEA SALT ACCRETION OBSERVED													
*Highlighted items must be completed before departure.													
Remarks:													

14.D.
 8 hurricane
 Penne's

Cat 2

N42RF_Crew_1 ▾ N42RF_Crew_2 ▾ N43RF_Crew_1 ▾ N43RF_Crew_2 ▾ N49RF_Crew_1 ▾ N49RF_Crew_2 ▾

APPENDIX 1 – P3 QC Checklist

Flight ID:	2019090512
Flight Director(s):	Parrish

Pressure Comparison		
	T/O	Land
Aircraft	1007.5	1007.5
Tower		

UWZ.d mean: 0.10

T.O. 195005 Land 025810 Start 180450 End 270053 UWZ 185005

	Raw 1Hz Mean File Parameters				C File Parameters	
Accelerometer	<input checked="" type="checkbox"/> AccAXI.1	<input checked="" type="checkbox"/> AccAYI.1	<input checked="" type="checkbox"/> AccAZI.1	<input checked="" type="checkbox"/> AccZfilter-GPS.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"/> Acc-Zfilter-GPS.2		
	<input checked="" type="checkbox"/> AccAXI-GPS.1	<input checked="" type="checkbox"/> AccAYI-GPS.1	<input checked="" type="checkbox"/> AccAZI-GPS.1			
	<input checked="" type="checkbox"/> AccAXI-GPS.2	<input checked="" type="checkbox"/> AccAYI-GPS.2	<input checked="" type="checkbox"/> AccAZI-GPS.2			
Altitude	<input checked="" type="checkbox"/> AltGPS.1	<input checked="" type="checkbox"/> AltI-GPS.1	<input checked="" type="checkbox"/> AltPaADDU.1	<input checked="" type="checkbox"/> AltRA.1	<input checked="" type="checkbox"/> ALTref	<input checked="" type="checkbox"/> AltRA1.c
	<input checked="" type="checkbox"/> AltGPS.2	<input checked="" type="checkbox"/> AltI-GPS.2	<input checked="" type="checkbox"/> AltBCADDU.1	<input checked="" type="checkbox"/> AltRA.2	<input checked="" type="checkbox"/> ALTPA.d	<input checked="" type="checkbox"/> AltRA2.c
	<input checked="" type="checkbox"/> AltGPS.3				<input checked="" type="checkbox"/> ALTGA.d	
	<input checked="" type="checkbox"/> AltGPS.4					
Ground Speed	<input checked="" type="checkbox"/> GsXI-GPS.1	<input checked="" type="checkbox"/> GsYI-GPS.1	<input checked="" type="checkbox"/> GsZI-GPS.1		<input checked="" type="checkbox"/> GSXref	
	<input checked="" type="checkbox"/> GsXI-GPS.2	<input checked="" type="checkbox"/> GsYI-GPS.2	<input checked="" type="checkbox"/> GsZI-GPS.2		<input checked="" type="checkbox"/> GSYref	
Lat/Lon	<input checked="" type="checkbox"/> LatGPS.1	<input checked="" type="checkbox"/> LatI-GPS.1	<input checked="" type="checkbox"/> LonGPS.1	<input checked="" type="checkbox"/> Loni-GPS.1	<input checked="" type="checkbox"/> LATref	
	<input checked="" type="checkbox"/> LatGPS.2	<input checked="" type="checkbox"/> LatI-GPS.2	<input checked="" type="checkbox"/> LonGPS.2	<input checked="" type="checkbox"/> Loni-GPS.2	<input checked="" type="checkbox"/> LONref	
	<input checked="" type="checkbox"/> LatGPS.3		<input checked="" type="checkbox"/> LonGPS.3			
	<input checked="" type="checkbox"/> LatGPS.4		<input checked="" type="checkbox"/> LatGPS.4			
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"/> PDALPHAref	<input checked="" type="checkbox"/> PQMref
	<input checked="" type="checkbox"/> PDALPHA.2	<input checked="" type="checkbox"/> PQBETA.1	<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"/> PQM.3	<input checked="" type="checkbox"/> PTM.1	<input checked="" type="checkbox"/> PQALPHAref	<input checked="" type="checkbox"/> PSMref
	<input checked="" type="checkbox"/> PDBETA.2		<input checked="" type="checkbox"/> PQM.4		<input checked="" type="checkbox"/> PQBETAref	<input checked="" type="checkbox"/> PS.c
Air Speed	<input checked="" type="checkbox"/> CasADDU.1	<input checked="" type="checkbox"/> TasADDU.1	<input checked="" type="checkbox"/> LasADDU.1		<input checked="" type="checkbox"/> CAS.d	<input checked="" type="checkbox"/> TAS.d
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		
Temp/Dewpt	<input checked="" type="checkbox"/> TTM.1	<input checked="" type="checkbox"/> TDM.1	<input checked="" type="checkbox"/> TRadD.1		<input checked="" type="checkbox"/> TD.c	<input checked="" type="checkbox"/> TTMref
	<input checked="" type="checkbox"/> TTM.2	<input checked="" type="checkbox"/> TDM.2	<input checked="" type="checkbox"/> TRadS.1		<input checked="" type="checkbox"/> TDMref	<input checked="" type="checkbox"/> TA.d
	<input checked="" type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TDM.3	<input checked="" type="checkbox"/> TRadU.1			
Miscellaneous (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 type="checkbox"/>	Error Summary
<input type="checkbox"/>	Crew Manifest
<input type="checkbox"/>	QC checklist
<input type="checkbox"/>	Dropwindsonde Log(s) – AVAPS and FD if completed
<input type="checkbox"/>	Flight Track
<input type="checkbox"/>	Miscellaneous FD notes

NOTES:

TDM.3 bad. Used TDM.1, about 100 c TDM.2.
 PQM.1 ~ 5ms c PQM.2 thru PQM.4

AVAPS Drop Log

Project: 2019 Hurricane

Mission: H. Deaton

Flight ID: 2019090542

Take Off: _____

Landing: _____

Flt Dir: J. Parrish

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	185140367	1	0	2055	JAS	NWS	IP	✓
2	190140151	2	-3	2108		NWS	FAST FOR 2000' MP	✓
3	161635110	3	-1.1	2102		AOC	mini	✓
4	160715021	4	-1.9	2108		NWS		✓
5	190140297	5	0	2147		NWS	NO Dew Point	✓
6	191740233	6	0	2149		NWS	BU	✓
7	151325166	7	-2.2	2147		AOC	MINI MP	✓
8	190140104	8	-1.6	2200		NWS	INCORRECT COMMENT	✓
9	190140306	1	-2	2226		NWS		✓
10	161545039	2	-1.4	2250		AOC	MINI EP OBSERVATION	✓
11	185150258	3	-2	2239		NWS		✓
12	152325018	4	-1.2	2226		AOC	MINI	✓
13	161545167	5	-1.7	2239		AOC	MINI	✓
14	190140304	6	-1.4	2259		NWS	RMW	✓
15	161545117	7	-1.1	2258		AOC	MINI RMW	✓
16	190140113	8	-2	2307		NWS	MP	✓
17	152225290	1	-1.1	2307		AOC	MP MINI	✓
18	190140130	2	-2	2320		NWS	NE EP	✓
19	185150329	3	-2	2337		NWS		✓
20	183150432	4	-5	0000		NESAS		✓
21	191740232	5	-3	0002		NESAS		✓
22	185150313	6	-3	0003		NESAS		✓
23	185140370	7	-3	0019				✓
24	185150430	8	-2	0019				✓
25	185150314	1	-3	0021				✓
26	185140519	2	-3	0021				✓
27	191050485	3	-4	0102				✓
28	191050436	4	-2	0105				✓
29	185140369	5	-4	0105			FAST FALL 11/18/19?	✓
30	191050435	6	-2	0106				✓
31	← OVER →							

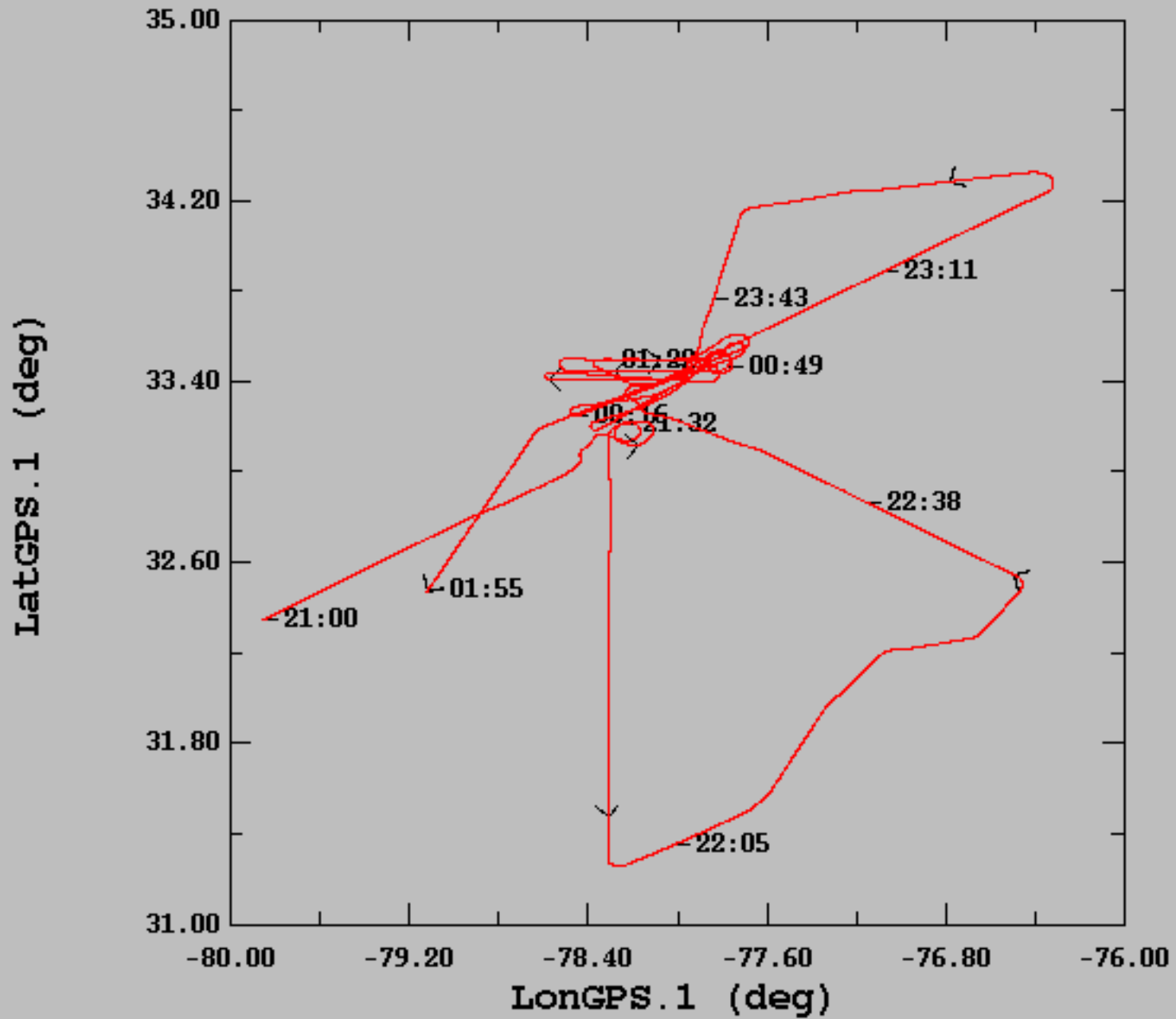
CABIN PRESS sensor checked good preflight

* RH WAS >100% which might be valid, but caused b. DP

AVAPS Drop Log
rev: 2019-07-31

- mini sondes causing AVAPS AVAPS PROCESS TO FAIL
- NO RE SPIKES FROM

2019-09-05, 21:00:00-01:55:01



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	33.13	0.68	31.25	34.32
— LonGPS.1 (deg), 1 s/sec	-77.95	0.66	-79.85	-76.31