



ACAT-4 Version = 7.4

**U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N43RF Manifest**

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2022090711	FLT #:		AC:	Doremus	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:	2030Z	CP(s):	Copare	Holbach	A/C Takeoff		Good	Bad	Sent
To:	TISX	ETA:	0430Z		Wood	Aberson			<b>26</b>	<b>0</b>	<b>26</b>
Block Time		Flight Time		NAV:	Utama	Chang	ASOS Takeoff		BTs		
In:	<b>0441Z</b>	Land:	<b>0438Z</b>	FE(s):	Darby	Sapp			Good	Bad	Sent
Out:	<b>2018Z</b>	T/O:	<b>2024Z</b>	FD(s):	Pittman	Bjorland	A/C Land		3	0	3
Total:	<b>8.4</b>	Total:	<b>8.2</b>	SSA:	Richards	Jelenak					
Sponsoring Org:	EMC			AVAPS:	Warnecke		Storm Number ID:		AL062022		
Program:	PRX			SEB:	Sans Souci		(ie: AL072012)				
Purpose:	TDR / Hurricane Research			MX:			TCPOD/WSPOD Mission		NOAA3 1806A EARL		
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		<b>1</b>				
SCIENCE MISSION WITHIN BDRY LAYER					X		<b>2</b>				
LACK OF PRECIPITATION					X		<b>3</b>				
RELATIVE HUMIDITY ≥ 80%				X			<b>4</b>				
LARGE AIR-SEA TEMP GRADIENT					X						
HIGH SURFACE WINDS				X							
LONG FETCH / DURATION OF SFC WND					X						
SEA SALT ACCRETION FORECAST					X						
SEA SALT ACCRETION OBSERVED					X		<b>Pennies:</b>	5 Cat 1			

\*Highlighted items must be completed before departure.

<b>Remarks:</b>	Dr. McFadden's Burial At Sea - 600th Hurricane Penetration
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## P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - minimal mission impact.
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Flight ID:	2022090711
Flight Director(s):	Kalen/Holmes
Mission:	Tasked/Operational
UWZ.d mean:	

Pressure Comparison		
	T/O	Land
Aircraft		
Tower	1009.9	1010.6

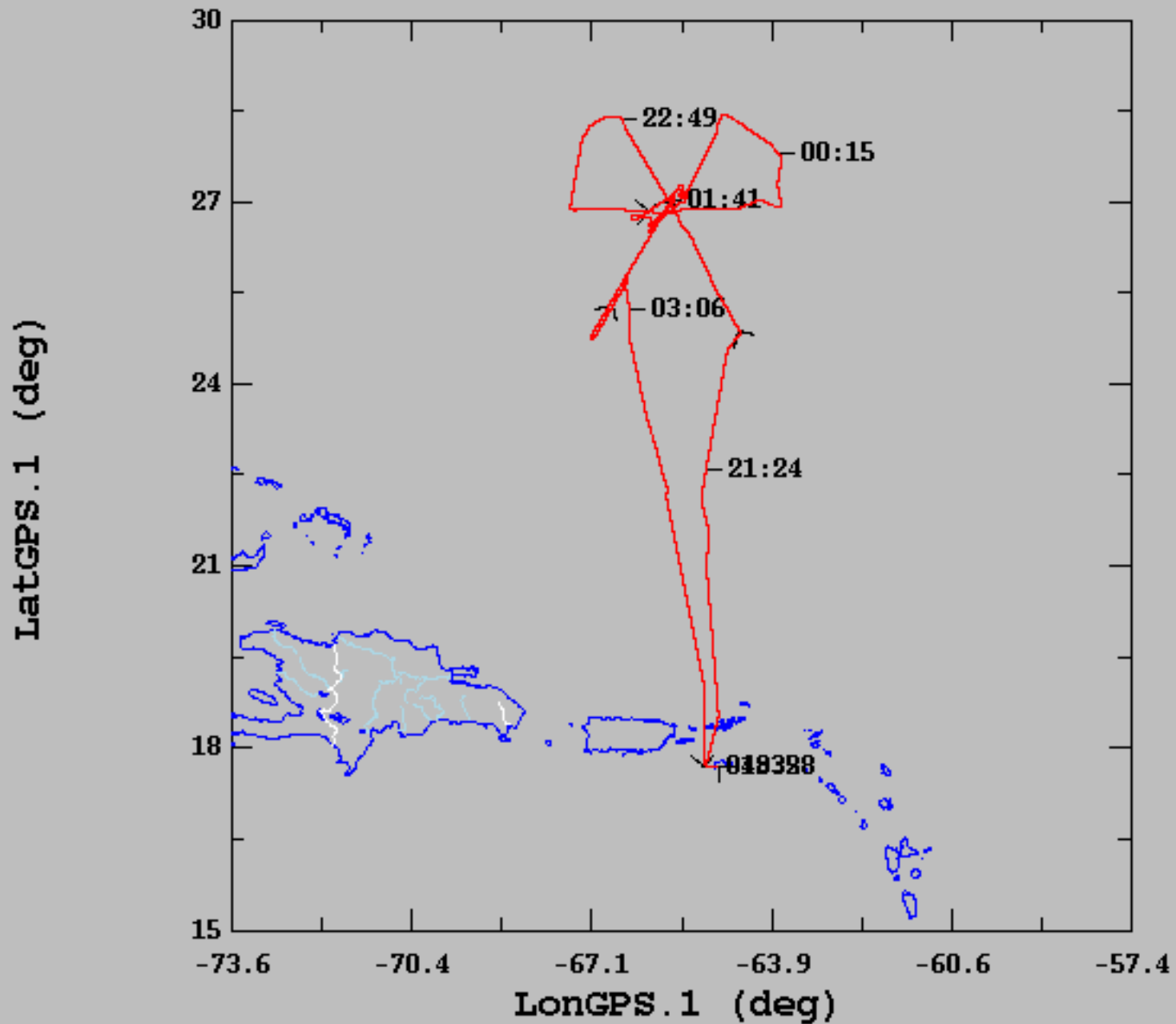
	Raw 1Hz Mean File Parameters				C File Parameters	
<input type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1 <input checked="" type="checkbox"/> AccAXI.2 <input checked="" type="checkbox"/> AccAXI-GPS.1 <input checked="" type="checkbox"/> AccAXI-GPS.2	<input checked="" type="checkbox"/> 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 type="checkbox"/> Altitude	<input checked="" type="checkbox"/> AltGPS.1 <input checked="" type="checkbox"/> AltGPS.2 <input checked="" type="checkbox"/> AltGPS.3 <input 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 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 type="checkbox"/> Lat / Lon	<input checked="" type="checkbox"/> LatGPS.1 <input checked="" type="checkbox"/> LatGPS.2 <input checked="" type="checkbox"/> LatGPS.3 <input 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 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 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 type="checkbox"/> PDALPHAref <input type="checkbox"/> PDBETAref <input type="checkbox"/> PQALPHAref <input 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 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 type="checkbox"/> Pitch / Roll	<input checked="" type="checkbox"/> PitchI.1 <input checked="" type="checkbox"/> PitchI.2 <input type="checkbox"/> PitchI.3	<input checked="" type="checkbox"/> PitchRatel.1 <input checked="" type="checkbox"/> PitchRatel.2 <input type="checkbox"/> PitchRatel.3	<input checked="" type="checkbox"/> RollI.1 <input checked="" type="checkbox"/> RollI.2 <input type="checkbox"/> RollI.3	<input checked="" type="checkbox"/> RollRatel.1 <input checked="" type="checkbox"/> RollRatel.2 <input type="checkbox"/> RollRatel.3	<input checked="" type="checkbox"/> PITCHref <input checked="" type="checkbox"/> ROLLref	
<input type="checkbox"/> Temp / Dewpt	<input checked="" type="checkbox"/> TTM.1 <input checked="" type="checkbox"/> TTM.2 <input type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TDM.1 <input checked="" type="checkbox"/> TDM.2 <input type="checkbox"/> TDM.3	<input checked="" type="checkbox"/> TRadD.1 <input checked="" type="checkbox"/> TRadS.1 <input 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 type="checkbox"/> Misc. (Must check)					<input checked="" type="checkbox"/> UWZ.d <input type="checkbox"/> DPJ_WSZ <input 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 checked="" type="checkbox"/>	Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<span style="color: red;">X</span>

NOTES:
PDAIpha.1 and PDAIpha.2 have approx. 40 mb offset UWZ mean is abnormally high TDM.2 is has various erroneous spikes throughout flight.

2022-09-07, 18:33:10-28:32:13



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	23.53	3.90	17.69	28.44
— LongGPS.1 (deg), 1 s/sec	-65.44	0.83	-67.49	-63.68

### AVAPS Drop Log

Project: Hurr 22

Mission: Hurr Earl

Flight ID: 20220907IA

Take Off: 2024E

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

Fit Dir: Holmes/Kalan

Launcher S/N: 209

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	213740917	1	Ø	2154	JW	NWS		✓
2	214140848	2	Ø	2208		NWS		✓
3	214141495	3	Ø	2223		NWS		✓
4	211930788	4	Ø	2228		ONR		✓
5	212011534	5	Ø	2233		ONR	Late L/D	✓
6	211821462	6	Ø	2229		ONR		✓
7	211831331	7	Ø	2236		NWS		✓
8	214110654	8	Ø	2248		NWS		✓
9	213740865	1	Ø	2315		NWS	Leg #2 JP	✓
10	213740868	2	Ø	2332		ONR	RMW	✓
11	213820074	3	Ø	2333		ONR	RMW	✓
12	211040805	4	Ø	2335		ONR	RMW	✓
13	214140847	5	-A	2340		NWS	CTR	✓
14	213740825	6	Ø	2346		ONR		✓
15	211910513	7	Ø	2347		ONR		✓
16	213740893	8	Ø	2348		ONR		✓
17	213740894	1	Ø	0003		NWS	END Leg 2	✓
18	211930755	2	Ø	0024		NWS	Late GPS	✓
19	213740872	3	Ø	0030		NWS		✓
20	213820059	4	Ø	0043		ONR	RMW	✓
21	212011209	5	Ø	0044		ONR	RMW	✓
22	213810948	6	Ø	0052		NWS		✓
23	214130153	7	Ø	0108		ONR	RMW	✓
24	211930752	8	Ø	0214		NWS		✓
25	212011858	1	Ø	0227				✓
<del>26</del>	<del>212011214</del>	<del>2</del>	<del>Ø</del>	<del>---</del>	<del>---</del>	<del>---</del>	Did not launch	<del>---</del>
<del>27</del>	<del>211821460</del>	<del>3</del>	<del>Ø</del>	<del>---</del>	<del>---</del>	<del>---</del>	Did not launch	<del>---</del>
28	213740870	4	Ø	0155		NWS	DOC Center	✓
29								
30								
31								

26/26