

AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Kalen/Holmes
Phone #: 8635003962

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:	2022090611	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			27	2	27
Block Time		Flight Time		NAV:	Utama	Chang	ASOS Takeoff		BTs		
In:	0325Z	Land:	0321Z	FE(s):	Darby	Sapp			Good	Bad	Sent
Out:	2027Z	T/O:	2029Z	FD(s):	Pittman	Bjorland	A/C Land		2	1	2
Total:	7.0	Total:	6.9	SSA:	Richards	Visitors:			ASOS Land		
Sponsoring Org:		EMC		SEB:			Storm Number ID:		AL062022		
Program:		PRX					(ie: AL072012)				
Purpose:		TDR / Hurricane Research					TCPOD/WSPOD Mission		NOAA3 1406A EARL		
				MX:		(ie: NOAA2 2418A SANDY)					
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1				
SCIENCE MISSION WITHIN BDRY LAYER					X		2				
LACK OF PRECIPITATION					X		3				
RELATIVE HUMIDITY ≥ 80%				X			4				
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		Pennies:		5 Cat 1		

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - minimal mission impact.
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Flight ID:	2022090611
Flight Director(s):	Kalen/Holmes
Mission:	Tasked/Operational
UWZ.d mean:	

Pressure Comparison		
	T/O	Land
Aircraft		
Tower	1011.9	1013.3

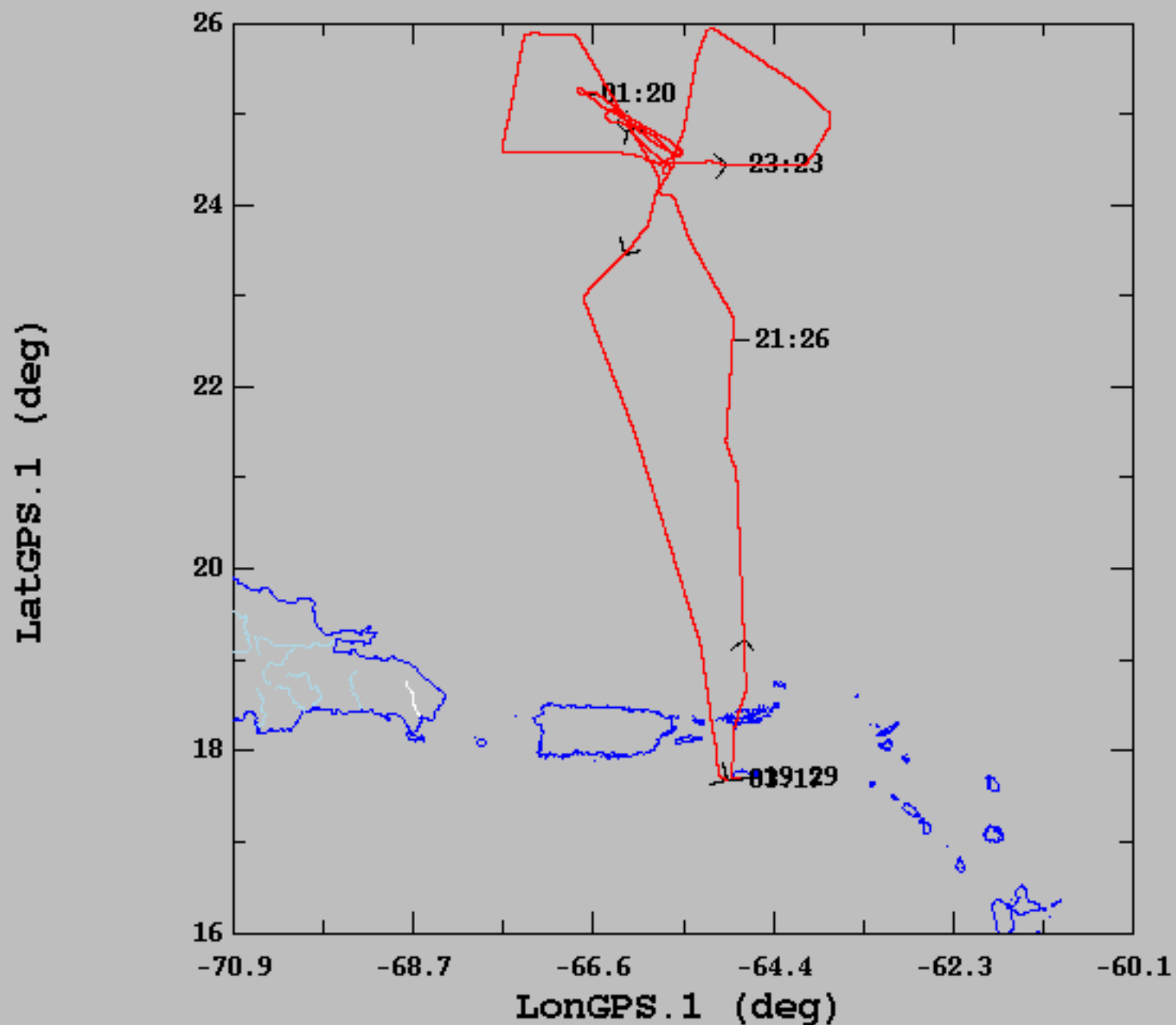
	Raw 1Hz Mean File Parameters				C File Parameters	
<input type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1 <input checked="" type="checkbox"/> AccAXI.2 <input checked="" type="checkbox"/> AccAXI-GPS.1 <input checked="" type="checkbox"/> AccAXI-GPS.2	<input checked="" type="checkbox"/> 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 type="checkbox"/> AccZfilter-GPS.1 <input 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 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)	X

NOTES:
<p>AltGPS.3, LatGPS.3 and LonGPS.3 both have dropouts @ 1842 UTC approx. and between approx. 2028 and 2046 UTC</p> <p>There is a 40 mb offset between PDAAlpha.1 and PDAAlpha.2</p> <p>TDM.2 has erroneous spikes throughout flight.</p> <p>TTM.2 is much noisier than TTM1 or TTMref</p> <p>There is no UWZ or AccZfilter in the dataset.</p>

2022-09-06, 19:29:30-27:17:37



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	22.57	2.86	17.68	25.94
— LongGPS.1 (deg), 1 s/sec	-65.57	0.84	-67.65	-63.74

AVAPS Drop Log

Project: Hurr 22

Mission: TS Earl

Flight ID: 20220904I 1

Take Off: 2027 Z

Landing: _____

Flt Dir: Hobbes/Kelso

Launcher S/N: 209

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	211040840	1	Ø	2130	JW	NWS-		✓
2	214140931	2	Ø	2142		NWS-		✓
3	214410727	3	Ø	2155		NWS-	Late GPS	X
4	213740892	4	Ø	2156		NWS-	Backup	✓
5	211040817	5	Ø	2200		ONR	RMW	✓
6	213820069	6	Ø	2201		ONR	RMW	✓
7	213740902	7	Ø	2201		ONR	RMW	✓
8	214110651	8	Ø	2208		NWS-		✓
9	214140850	1	Ø	2223				✓
10	214141478	2	Ø	2225				✓
11	214141480	1	Ø	2247				✓
12	214030539	2	Ø	2258		NWS-		✓
13	211040816	3	Ø	2306		ONR	RMW	✓
14	211030673	4	Ø	2306		ONR	RMW	✓
15	211030675	5	Ø	2307		ONR	RMW	✓
16	211040828	6	Ø	2313		NWS-	Center #2	✓
17	211030671	7	Ø	2320		ONR	RMW	✓
18	21440852	8	Ø	2328		NWS-		✓
19	211040820	1	Ø	2336				✓
20	211040810	2	Ø	0002				✓
21	213420387	3	Ø	0012		NWS-		✓
22	211930789	4	Ø	0020		ONR	RMW	✓
23	21410694	5	Ø	0020		ONR	RMW	✓
24	214110670	6	Ø	—		ONR	RMW FF/NLD	X
25	211040762	7	Ø	0028		NWS-		✓
26	211040819	8	Ø	0053		ONR	RMW	✓
27	214140728	1	Ø	0149		ONR	RMW	✓
28	214141365	2	Ø	0156		NWS-		✓
29	214220652	3	Ø	0208		NWS-		✓
30								
31								

26/29