

AXCTDs	0	0	0
UAS	0	0	0

Flight Director: KALEN
Phone #: 863-500-3962

ACAT-4 Version = 7.4

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20231022H1	FLT #:		AC:	COPARE	Scientists:	Pressure		Dropsondes		
From:	TBPB	ETD:	2030Z	CP(s):	GASTON	HAZELTON	A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	0430Z		PALMER	SELLWOOD			14	0	14
Block Time		Flight Time		NAV:	UTAMA	CHANG	ASOS Takeoff		BTs		
In:	3:43	Land:	3:39	FE(s):	STOKES	JELENAK			Good	Bad	Sent
Out:	20:04	T/O:	20:13	FD(s):	KIDDO	SAPP	A/C Land		2	1	2
Total:	7.7	Total:	7.4	SSA:	MCALISTER	Visitors:					
Sponsoring Org:	HRD / NESDIS			SEB:			Storm Number ID:		AL202023		
Program:	PHX / PND						(ie: AL072012)				
Purpose:	HX TAMMY RESEARCH				MX:			TCPOD/WSPOD Mission		NOAA2 WB20A TAMMY	
							(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:	7 - CAT 1			

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - no mission impact.
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Flight ID:	20231022H1
Flight Director(s):	KALEN / ENGLERT
Mission:	Non-tasked Science Collection/Research
UWZ.d mean:	0.12

Pressure Comparison		
	T/O	Land
Aircraft	1004.7	-
Tower	1004.4	-

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

FLID_Mission_Documents.pdf:
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
✓ Dropwindsonde Log(s) - AVAPS and FD if completed
✓ Flight Track
✓ Miscellaneous FD Notes

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

NOTES:
<p>I.3 for Pitch and Roll is not operational.</p> <p>TRadU.1 has erroneous data throughout the flight and should not be used.</p> <p>PDALPHaref, PDBETAref, PQALPHaref, PQBETAref, and DPJ_WSZ are not provided since _AC file is not produced; all other "C" file parameters checked are from the _A file.</p> <p>TDM.1 unrepresentative for duration of flight</p> <p>TDM.3 inop</p>

AVAPS Drop Log

Project: HX 2024

Mission: TAMMUN

Flight ID: 20231022H1

Take Off: _____

Landing: _____

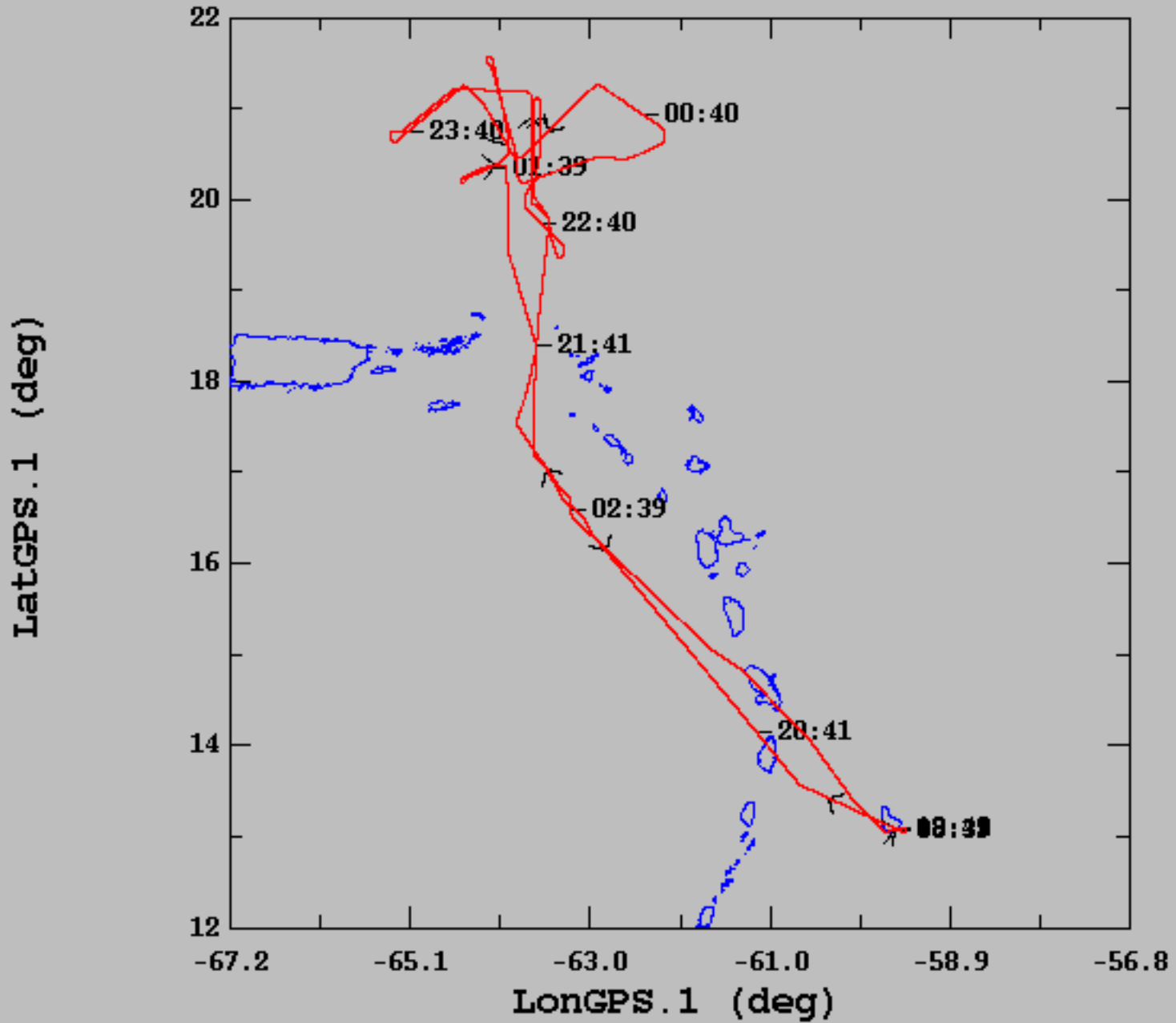
Flt Dir: Kalen

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	222070576	1	-0.0	2148	RK	NWS	EPI	✓
2	222120719	2	-1.0	2202	RK	ONR	RMW	✓
3	222070725	3	-0.9	2200	RK	ONR	RMW	✓
4	222350038	4	-0.5	2218	RK	NWS	EPI	✓
5	222070014	5	-1.0	2237	RK	NWS	Center	✓
6	222520371	6	-0.9	2327	JW	HRD	Booy #1	✗
7	222070613	7	-1.2	2347	JW	HRD	Booy #2	✓
8	221740720	8	-1.5	0004	JW	ONR	RMW	✓
9	221740793	1	-2.5	0011	JW	NWS	Center #2	✓
10	222520363	2	-1.8	0014	JW	ONR	RMW	✓
11	222520324	3	0	0026	JW	NWS	EP #2	✓
12	161545014	5	-1.4	0050	RK	MS	Nesdis RMW	✓
13	161545127	4	-1.5	0140	RK	MS		✓
14	161545033	7	-1.4	0150	RK	MS		✓
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31								

Mini
Mini
Mini
NR9415

10/22/2023, 18:42:10-27:39:20



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	17.60	3.19	13.05	21.57
— LongGPS.1 (deg), 1 s/sec	-62.48	1.84	-65.37	-59.36