

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:	20231020H1	FLT #:		AC:	COPARE	Scientists:	Pressure		Dropsondes		
From:	TBPB	ETD:	2130Z	CP(s):	GASTON	HAZELTON	A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	0530Z		PALMER	SELLWOOD			20	1	20
Block Time		Flight Time		NAV:	UTAMA	CHANG	ASOS Takeoff		BTs		
In:	1:27	Land:	1:14	FE(s):	STOKES	JELENAK			Good	Bad	Sent
Out:	21:13	T/O:	21:22	FD(s):	KIDDO	SAPP	A/C Land		0	2	0
Total:	4.2	Total:	3.9		SSA:	MCALISTER			Visitors:	ASOS Land	
Sponsoring Org:	EMC			SEB:			Storm Number ID:		AL202023		
Program:	PRX						(ie: AL072012)				
Purpose:	TDR HX TAMMY				MX:			TCPOD/WSPOD Mission		NOAA2 0720A TAMMY	
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1	15	2352Z	993MB	
SCIENCE MISSION WITHIN BDRY LAYER					X						
LACK OF PRECIPITATION					X		2	20	0039Z	994MB	
RELATIVE HUMIDITY ≥ 80%				X							
LARGE AIR-SEA TEMP GRADIENT					X		3				
HIGH SURFACE WINDS				X							
LONG FETCH / DURATION OF SFC WND					X		4				
SEA SALT ACCRETION FORECAST					X						
SEA SALT ACCRETION OBSERVED					X		Pennies:	3 - 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:	20231020H1
Flight Director(s):	KALEN / ENGLERT
Mission:	Tasked/Operational
UWZ.d mean:	0.11

Pressure Comparison		
	T/O	Land
Aircraft	1002.0	-
Tower	1001.3	-

	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 x 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	✓ 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>PDLAPHaref, 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.3 inop</p> <p>AltGPS.4 contains several suspicious data points</p>

AVAPS Drop Log

Project: Nov 23

Mission: How Tummy

Flight ID: 2025 1020142

Take Off: _____

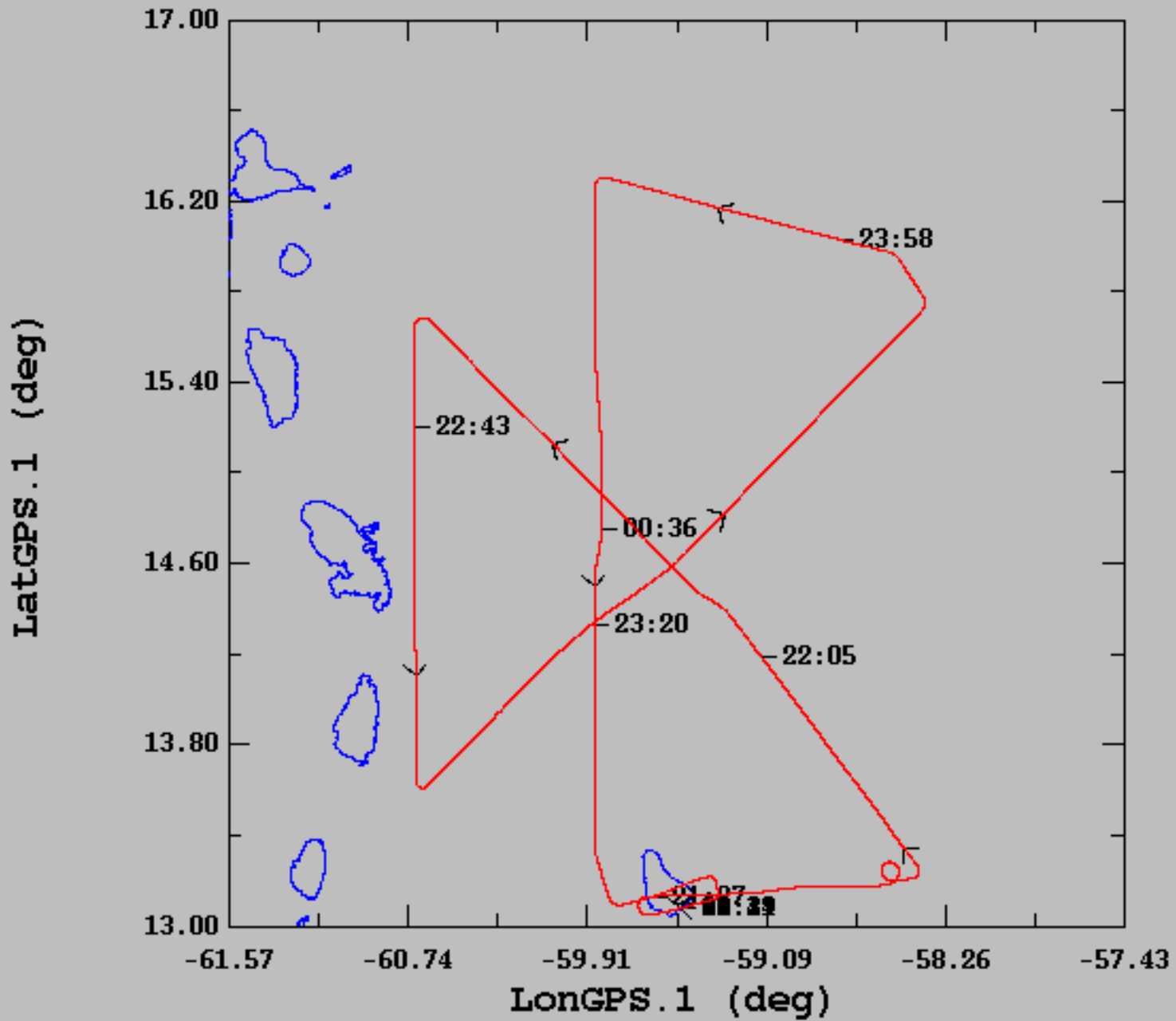
Landing: _____

Flt Dir: Kalan

Launcher S/N: 002

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	222520359	1	Ø	2149	JW	NWS	IP#1 Combo	✓
2	222350052	2	Ø	2157	JW	NWS	MP	✓
3	221730625	3	-1.2	2209	JW	ONR	Rmw	✓
4	222230426	4	-1.0	2210	JW	NWS	CTR#1	✓
5	222231491	5	00	2213	JW	ONR	Rmw	✓
6	222520370	6	0.0	2221	JW	NWS	MP	✓
7	222520396	7	-1.4	2233	JW	NWS	EP#1 Combo	✓
8	222520375	8	-1.4	2306	JW	NWS	IP#2	✓
9	221060111	1	-1.9	2317	JW	NWS	MP	✓
10	220910338	2	-1.1	2324	JW	ONR	Rmw	✓
11	222520350	3	Ø	2325	JW	NWS	CTR#2	✓
12	221740797	4	-1.1	2328	JW	ONR	Rmw	✓
13	222350109	5	Ø	2338	JW	NWS	MP	✓
14	222230433	6	-1.0	2350	JW	NWS	EP#2	✓
15	222231045	7	-1.0	0014	JW	NWS	IP#3	✓
16	222350085	8	Ø	0026	JW	NWS	MP	✓
17	222350025	1	Ø	0035	JW	ONR	Rmw	✓
18	222520480	2	Ø	—	JW	NWS	NO L/D CTR	✗
19	222520364	3	Ø	0039	JW	NWS	CTR#3	✓
20	222070565	4	Ø	0042	JW	ONR	Rmw	✓
21	222070615	5	-1.5	0052	JW	NWS	MP	✓
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

10/20/2023, 19:34:13-25:14:10



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	14.06	1.05	13.05	16.31
— LongGPS.1 (deg), 1 s/sec	-59.58	0.57	-60.71	-58.35