

UAS 0 0 0

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

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:	20230912I1	FLT #:		AC:	COPARE	Scientists:	Pressure		Drosondes		
From:	TISX	ETD:	0830Z	CP(s):	KEITH	ABERSON	A/C Takeoff		Good	Bad	Sent
To:	TISX	ETA:	1630Z		WOOD	J. ZHANG			28	1	28
Block Time		Flight Time		NAV:	UTAMA	KO	ASOS Takeoff		BTs		
In:	14:59	Land:	14:53	FE(s):	TYSON				Good	Bad	Sent
Out:	8:24	T/O:	8:31	FD(s):	KALEN		A/C Land		5	1	5
					LUNDRY						
Total:	6.6	Total:	6.4	SSA:	RICHARDS	Visitors:	ASOS Land		Storm Number ID:		
Sponsoring Org:	EMC			AVAPS:	KOTZ/WARNECKE	KELLY RYAN			(ie: AL072012)		
Program:	PRX			SEB:		RASHIDI CLENANCE	TCPOD/WSPOD Mission		2113A LEE		
Purpose:	HX LEE TDR			MX:		DIANA DIAS	(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1	9	1001Z	950MB	
SCIENCE MISSION WITHIN BDRY LAYER					X						
LACK OF PRECIPITATION					X		2	15	1125Z	951MB	
RELATIVE HUMIDITY ≥ 80%				X							
LARGE AIR-SEA TEMP GRADIENT					X		3	21	1309Z	952MB	
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 3			

*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:	2023091211
Flight Director(s):	KALEN / LUNDRY
Mission:	Non-tasked Science Collection/Research
UWZ.d mean:	-0.17

Pressure Comparison		
	T/O	Land
Aircraft	1008.4	-
Tower	1009.0	-

	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	✓ TDM.1 x TDM.2 x TDM.3	✓ TRadD.1 ✓ TRadS.1 x TRadU.1		✓ TD.c ✓ TDMref	✓ TTMref ✓ TA.d
✓ Misc. (Must check)					x UWZ.d x DPJ_WSZ x 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>TTM.3 and TDM.3 inop</p> <p>PQM.1 trending ~10 mb high</p> <p>TDM.1 has large spike at 13:04</p> <p>TDM.2 unrepresentative</p> <p>Humidity parameters suspect</p>

AVAPS Drop Log

Project: Hurr. LEE

Mission: 2

Flight ID: 20230912II

Take Off: _____

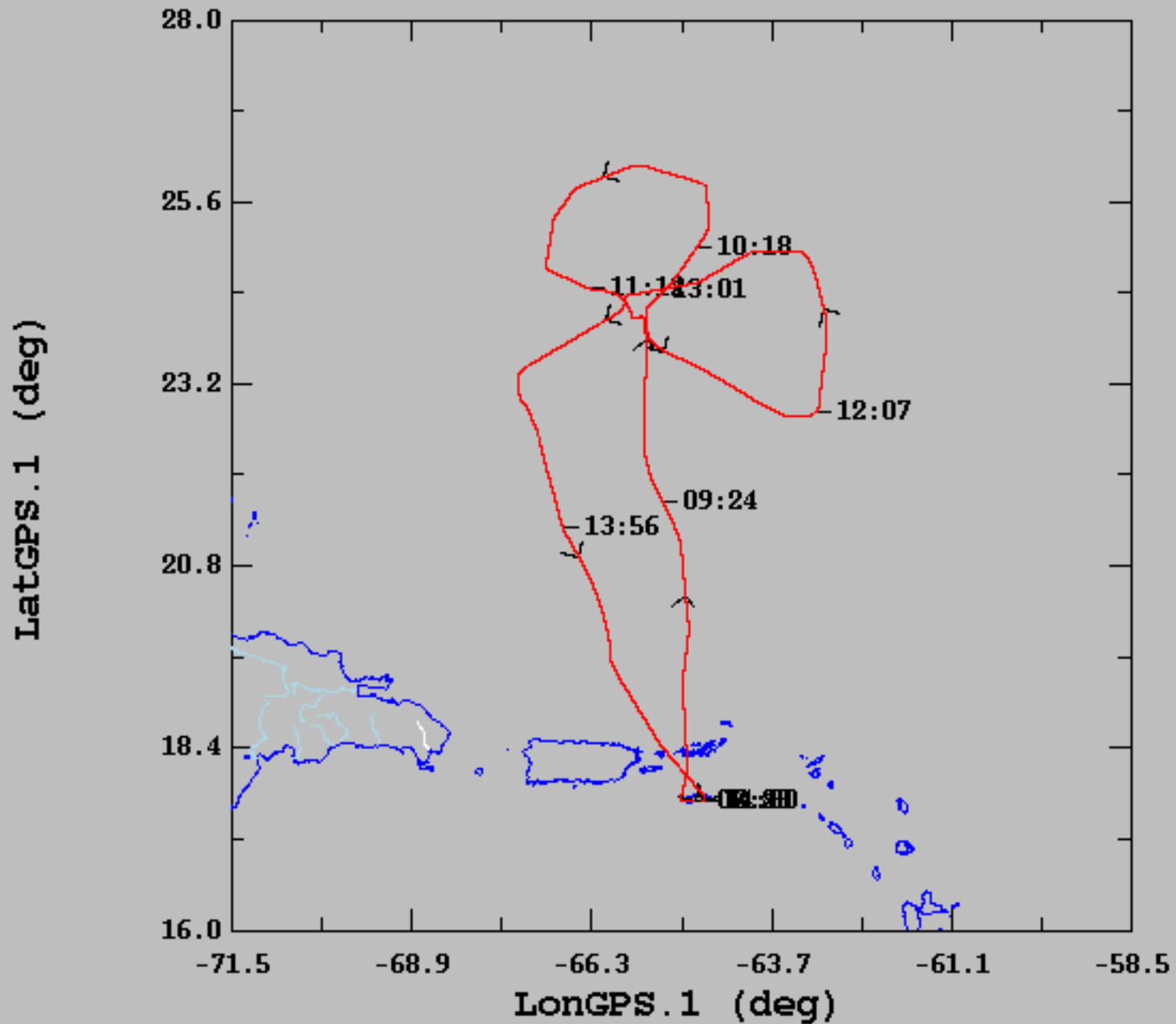
Landing: _____

Flt Dir: KQ

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	221750633	2	-1.2	0934	HK	NWS	IP1 Combo	✓
2	221830576	2	-1.3	0948	HK	NWS	MP/RMW	✓
3	221730634	3	-1.0	0953	HK	NWS	RMW	✓
4	221820063	4	-0.9	0954	HK	NWS	RMW	✓
5	221740865	5	-0.8	1001	HK	NWS	CNTR Combo	✓
6	221530952	6	-0.8	1007	HK	NWS	RMW	✓
7	221820062	7	-0.2	1008	HK	NWS	No LAUNCH Det	X
8	221740868	8	-0.8	1015	HK	NWS	MP	✓
9	221750222	2	-0.5	1028	HK	NWS	EP1	✓
10	221750570	2	-0.1	1101	HK	NWS	IP2 Combo	✓
11	221750584	3	-0.2	1112	HK	NWS	RMW	✓
12	221410438	4	-0.5	1118	HK	NWS	RMW	✓
13	221730241	5	-0.8	1118	HK	NWS	RMW	✓
14	221230706	8	-0.4	1126	HK	NWS	CNTR	✓
15	221730256	7	-0.8	1130	HK	NWS	RMW	✓
16	221540687	8	-0.9	1132	HK	NWS	RMW	✓
17	222010057	1	-0.4	1138	HK	NWS	MP RMW	✓
18	212520498	2	-0.6	1152	HK	NWS	EP #2 MP	✓
19	222010122	3	-0.7	1204	HK	NWS	EP2 Combo	✓
20	221750572	4	-0.4	1240	JW	NWS	IP #3	✓
21	221310242	5	-0.3	1254	JW	NWS	MP	✓
22	221740866	6	0	1302	JW	NWS	RMW	✓
23	221750156	7	-0.5	1303	JW	NWS	RMW	✓
24	221820323	8	-0.6	1303	JW	NWS	RMW	✓
25	204530744	1	-0.9	1309	JW	NWS	CTR	✓
26	221410033	2	-0.5	1314	JW	NWS	RMW	✓
27	221730243	3	-0.4	1315	JW	NWS	RMW	✓
28	204350466	4	-0.6	1321	JW	NWS	MP	✓
29	204350562	5	-0.9	1331	JW	NWS	EP #3	✓
30	204530739	6	-0.9				RFB	
31								

09/12/2023, 06:40:33-14:50:57



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	21.59	2.92	17.69	26.07
— LonGPS.1 (deg), 1 s/sec	-65.19	0.98	-67.33	-62.90