

AXBTS	1	1	1
AXCPs	0	0	0
AXCTDs	0	0	0
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:	20230914I1	FLT #:		AC:	COPARE	Scientists:		Pressure		Dropsondes		
From:	TISX	ETD:	0830Z	CP(s):	KEITH	J. ZHANG		A/C Takeoff		Good	Bad	Sent
To:	KILM	ETA:	1630Z		WOOD	DAHL				20	2	20
Block Time		Flight Time		NAV:	UTAMA			ASOS Takeoff		BTs		
In:	16:19	Land:	16:14	FE(s):	TYSON					Good	Bad	Sent
Out:	8:09	T/O:	8:15	FD(s):	TUFNELL			A/C Land		1	0	1
Total:	8.2	Total:	8.0		SSA:	RICHARDS	Visitors:					
Sponsoring Org:		EMC		SEB:				Storm Number ID:		AL132023		
Program:		PRX			CARRION (MX)			(ie: AL072012)				
Purpose:		TAC REPO / HX LEE TDR			SANS SOUCI (MX)			TCPOD/WSPOD Mission		3113A LEE		
				MX:	OHSIEK			(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X			1	6	1052Z	955MB	
SCIENCE MISSION WITHIN BDRY LAYER					X							
LACK OF PRECIPITATION					X			2				
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 2			

*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:	2023091411
Flight Director(s):	KALEN / LUNDRY
Mission:	Non-tasked Science Collection/Research
UWZ.d mean:	-0.23

Pressure Comparison		
	T/O	Land
Aircraft	1009.5	-
Tower	1011.1	-

	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	✓ IasADDU.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 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 ~5 mb high</p> <p>TTM.2 trending but with oscillations</p> <p>TDM.1 has isolated positive and negative spikes; is listed as the reference, TDM.2 more representative and should be used for analysis</p> <p>TD.C is affected by TDM.1's spikes</p> <p>Humidity parameters suspect</p>

AVAPS Drop Log

Project: Harrison LOR

Mission: _____

Flight ID: 20230914 I I

Take Off: _____

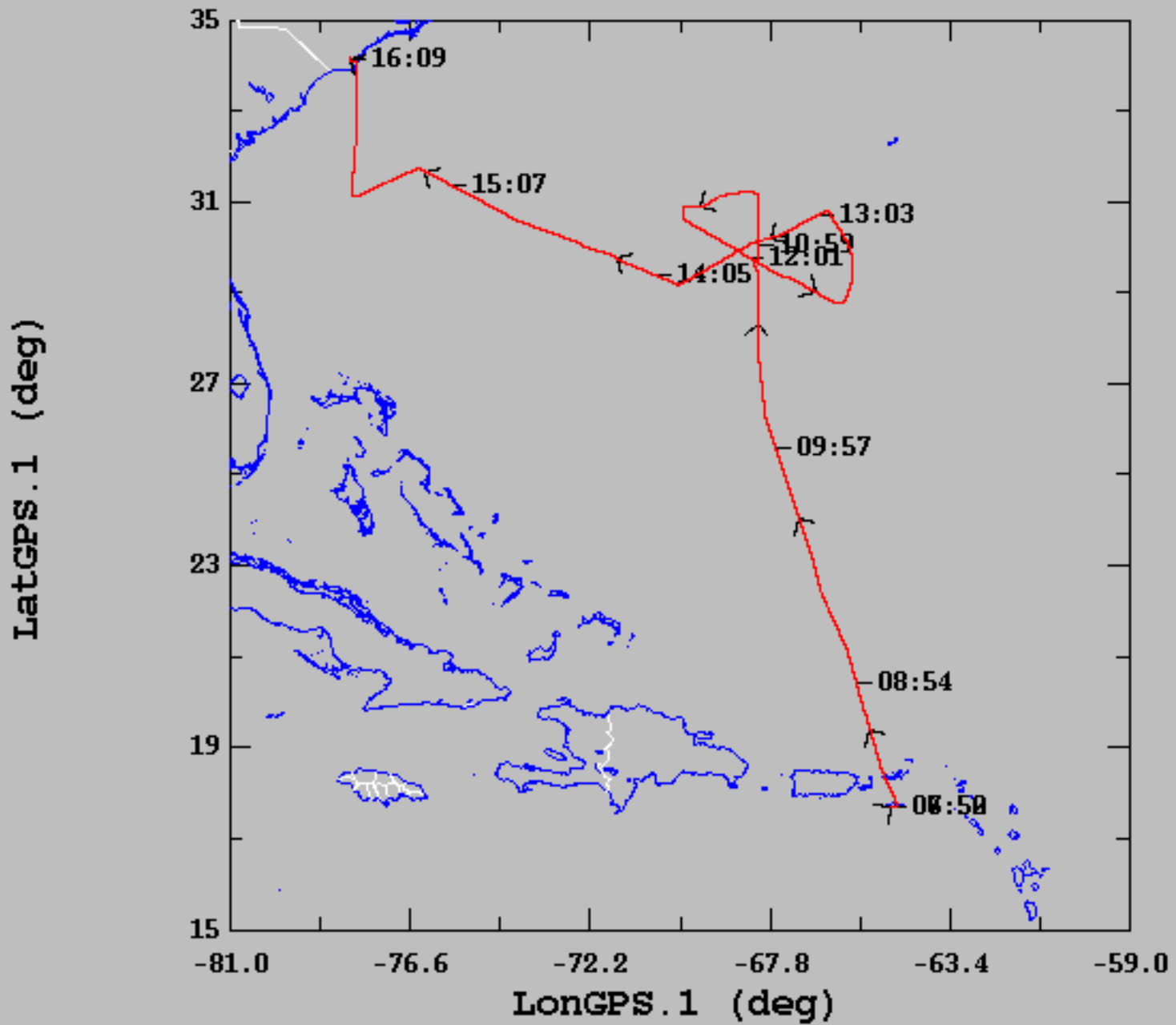
Landing: _____

Flt Dir: OK

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	204620991	2	-1.7	0954	HK	GOMO	Saildrone	✓
2	204530739	2	-1.4	1024	HK	NWS	IP 1	✓
3	204420104	3	-1.5	1037	HK	NWS	MP Delayed DP	✓
4	221730263	4	-0.2	1038	HK	NWS	MP Backup	✓
5	204350463	5	-1.3	1047	HK	NWS	RMW	✓
6	221750593	6	-0.3	1052	HK	NWS	CNTR Comb	✓
7	221820061	7	-0.1	1058	HK	NWS	RMW	✓
8	204350469	8	-1.3	1105	HK	NWS	MP No launch det	X
9	204620996	2	-1.2	1106	HK	NWS	MP Backup	✓
10	204420097	2	-1.5	1114	HK	NWS	EP 1	✓
11	204350470	3	-1.5	1139	HK	NWS	IP 2	✓
12	222010091	4	-0.9	1150	HK	NWS	MP	✓
13	204350615	5	-1.3	1159	HK	NWS	RMW	✓
14	211030692	6	-1.0	1202	HK	NWS	CNTR	✓
15	204350622	7	-1.0	1219	HK	NWS	MP	✓
16	211040807	8	-1.0	1228	HK	NWS	EP 2	✓
17	204310478	1	-1.5	1301	HK	NWS	IP 3	✓
18	204350476	2	-1.2	1316	HK HK	NWS	RMW/MP	✓
19	204350623	3	-1.5	1327	HK	NWS	CNTR	✓
20	221750197	4	-0.8	1340	HK	NWS	MP/RMW	✓
21	213430312	5	-0.5	1354	HK	NWS	EP 3	
22	211011018	6	-0.8	1423	HK	GOMO	SAIL DRONE	
23	204420103	7	-1.2					
24	204620990	8	-1.1					
25								
26								
27								
28								
29								
30								
31								

09/14/2023, 06:50:41-16:09:39



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	26.67	5.24	17.70	34.16
— LonGPS.1 (deg), 1 s/sec	-68.81	3.94	-78.08	-64.66