

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:	2023090811	FLT #:		AC:	COPARE	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:	0800Z	CP(s):	KEITH	ABERSON	A/C Takeoff		Good	Bad	Sent
To:	TISX	ETA:	1600Z		WOOD	J. ZHANG			31	0	31
Block Time		Flight Time		NAV:	UTAMA	KO	ASOS Takeoff		BTs		
In:	16:05	Land:	16:01	FE(s):	TYSON				Good	Bad	Sent
Out:	8:00	T/O:	8:09	FD(s):	KALEN		A/C Land		5	0	5
Total:	8.1	Total:	7.9		SSA:	RICHARDS					
Sponsoring Org:	EMC			SEB:			Storm Number ID:		AL132023		
Program:	PRX						(ie: AL072012)				
Purpose:	HX LEE TDR				MX:	OHSIEK (OBS)		TCPOD/WSPOD Mission		0313A LEE	
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1	5	1025Z	928MB	
SCIENCE MISSION WITHIN BDRY LAYER					X		2	15	1141Z	941MB	
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 - 1 CAT 5; 4 CAT 4			

*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:	2023090811
Flight Director(s):	KALEN / LUNDRY
Mission:	Non-tasked Science Collection/Research
UWZ.d mean:	-0.06

Pressure Comparison		
	T/O	Land
Aircraft	1009.8	-
Tower	1009.5	-

	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)					✓ 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>TDM.2 unrepresentative</p> <p>Humidity parameters suspect</p>

AVAPS Drop Log

Project: Hurricane Lee

Mission: _____

Flight ID: 20230908 I 1

Take Off: _____

Landing: _____

Flt Dir: QK

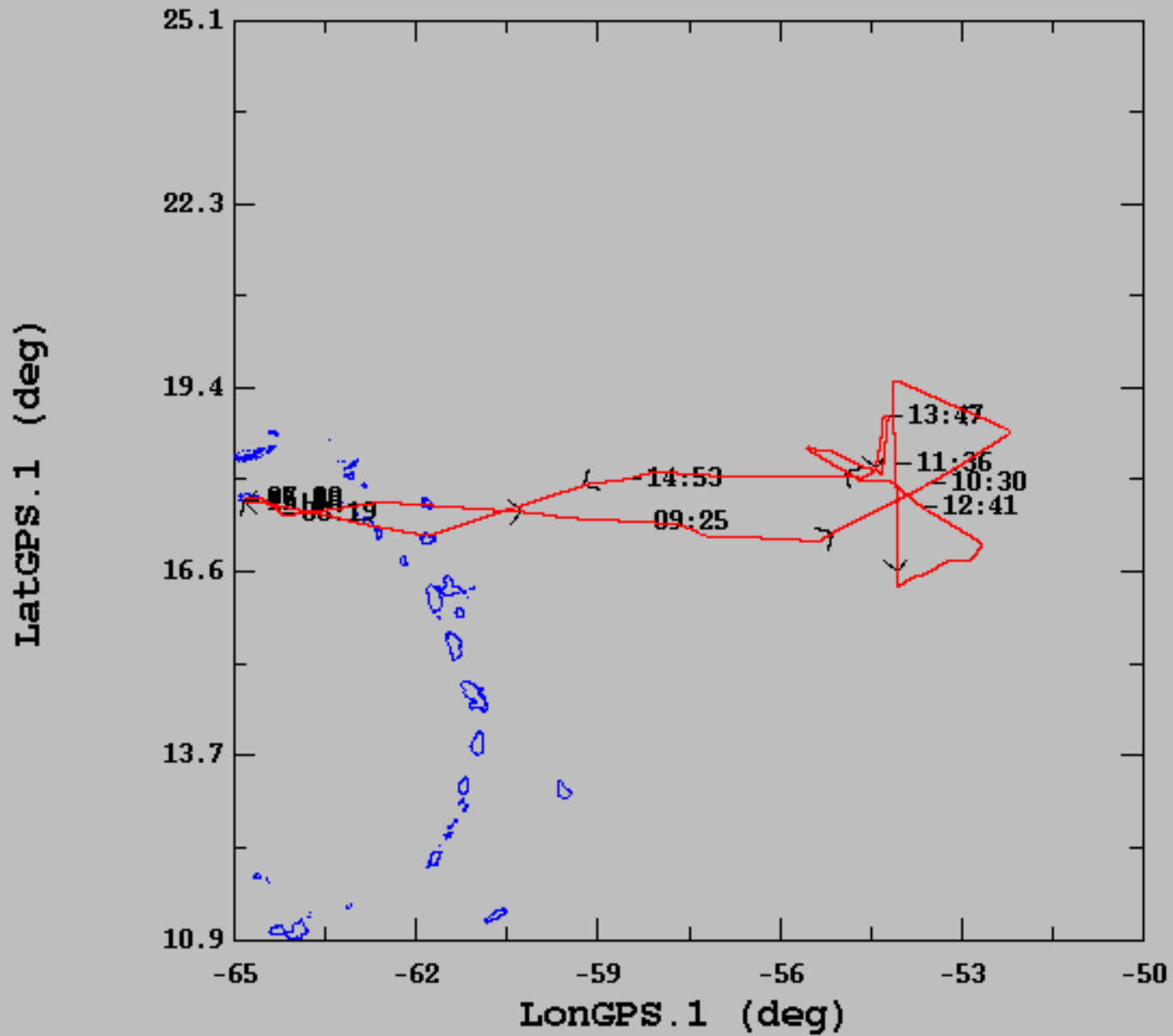
Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	221950455	1	-0.5	1001	HK	NWS	IP1	✓
2	222030387	2	-1.2	1015	HK	NWS	MP1	✓
3	221950415	3	-0.4	1023		NWS	RMW	✓
4	222120814	4	-0.5	1024		NWS	RMW	✓
5	221810491	5	-1.1	1025		NWS	RMW	✓
6	222120090	6	-0.7	1025			ENTH combo	✓
7	221730257	7	-0.4	1028			RMW	✓
8	221730338	8	-0.3	1029			RMW	✓
9	222120880	1	-0.7	1039			SO ONR(Goro)	✓
10	221730340	2	-0.7	1052	HK		EP#1	✓
11	221730564	3	-0.4	1117	JW		IP#2	✓
12	2216410556	4	-0.7	1131	JW		MP #2	✓
13	222010059	5	-0.8	1138	JW		RMW	✓
14	222120865	6	-0.8	1140	JW		RMW	✓
15	221750527	7	-0.3	1140	JW		RMW	✓
16	222020513	8	-0.4	1142	JW		CTR #2	✓
17	222058004	1	-0.4	1144	JW		RMW	✓
18	221730626	2	-0.3	1144	JW		RMW	✓
19	222120832	3	-0.6	1145	JW		RMW	✓
20	221750525	4	-0.5	1155	JW			
21	221730337	5	-0.5	1158	HK		Combo	
22	221950451	1	-0.7	1226	HK	NWS	Combo IP	✓
23	221810433	2	-0.8	1238	HK	NWS	MP	✓
24	221730247	3	-0.6	1248	HK		RMW	✓
25	221730252	4	-0.5	1249	HK		RMW	✓
26	221730251	5	-0.4	1250	HK		RMW	✓
27	221730249	6	-0.4	1310	HK		Combo	✓
28	221810102	7	-0.8	1329	HK		RMW	✓
29	221950454	8	-0.7	1330	HK		RMW	✓
30	222010071	1	-0.7	1331	HK		RMW	✓
31	222050001	2	-0.9	1427	HK			

+L

3-07

09/08/2023, 06:08:10-15:58:40



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	17.78	0.57	16.35	19.54
— LonGPS.1 (deg), 1 s/sec	-58.41	4.58	-64.82	-52.19