

AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: KALEN / PARRISH
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:	2023082711	FLT #:		AC:	COPARE	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:	0930Z	CP(s):	WOOD	HAZELTON	A/C Takeoff		Good	Bad	Sent
To:	KFLL	ETA:	1830Z		PALMER	X. ZHANG			11	0	11
Block Time		Flight Time		NAV:	MILLER / SCHAEFER		ASOS Takeoff		BTs		
In:	18:32	Land:	18:21	FE(s):	DARBY				A/C Land		Good
Out:	9:39	T/O:	9:45	FD(s):	KALEN	ASOS Land		0			0
Total:	8.9	Total:	8.6	SSA:	RICHARDS			Visitors:	Storm Number ID:		AL102023
				AVAPS:	KOTZ / SANTONI	(ie: AL072012)					
Sponsoring Org:	EMC			SEB:			TCPOD/WSPOD Mission		0110A CYCLONE		
Program:	PRX				CARRION (MX)		(ie: NOAA2 2418A SANDY)				
Purpose:	TAC REPO / TDR				MX:		OHSIEK	OBSERVATIONS			
AS REQUIRED BY ORM			Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X			1	4	1448Z	999MB	
SCIENCE MISSION WITHIN BDRY LAYER				X							
LACK OF PRECIPITATION				X			2	12	1542Z	998MB	
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:				

*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:	2023082711
Flight Director(s):	KALEN / PARRISH
Mission:	Tasked/Operational
UWZ.d mean:	-0.18

Pressure Comparison		
	T/O	Land
Aircraft	1009.8	-
Tower	1007.9	-

	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 x 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 x LatGPS.3 x LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 x LonGPS.3 x 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	✓ PDLAPHaref ✓ PDBETAref ✓ PQALPHaref ✓ 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 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)	<input checked="" type="checkbox"/>

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>GPS.3 and .4 parameters inop after 12:57; GPS.1 or .2 should be used for analysis</p> <p>PDALPHA.2 large spike at 13:00</p> <p>PQM.1 trending ~5 mb high</p> <p>PQM.4 unrepresentative between 12:48 - 13:08</p> <p>Humidity parameters suspect</p>

TS IDALI A

AVAPS Drop Log

Project: ~~TS IDALI A~~

Mission: ~~TS IDALI A~~

Flight ID: 20230827II

Take Off: _____

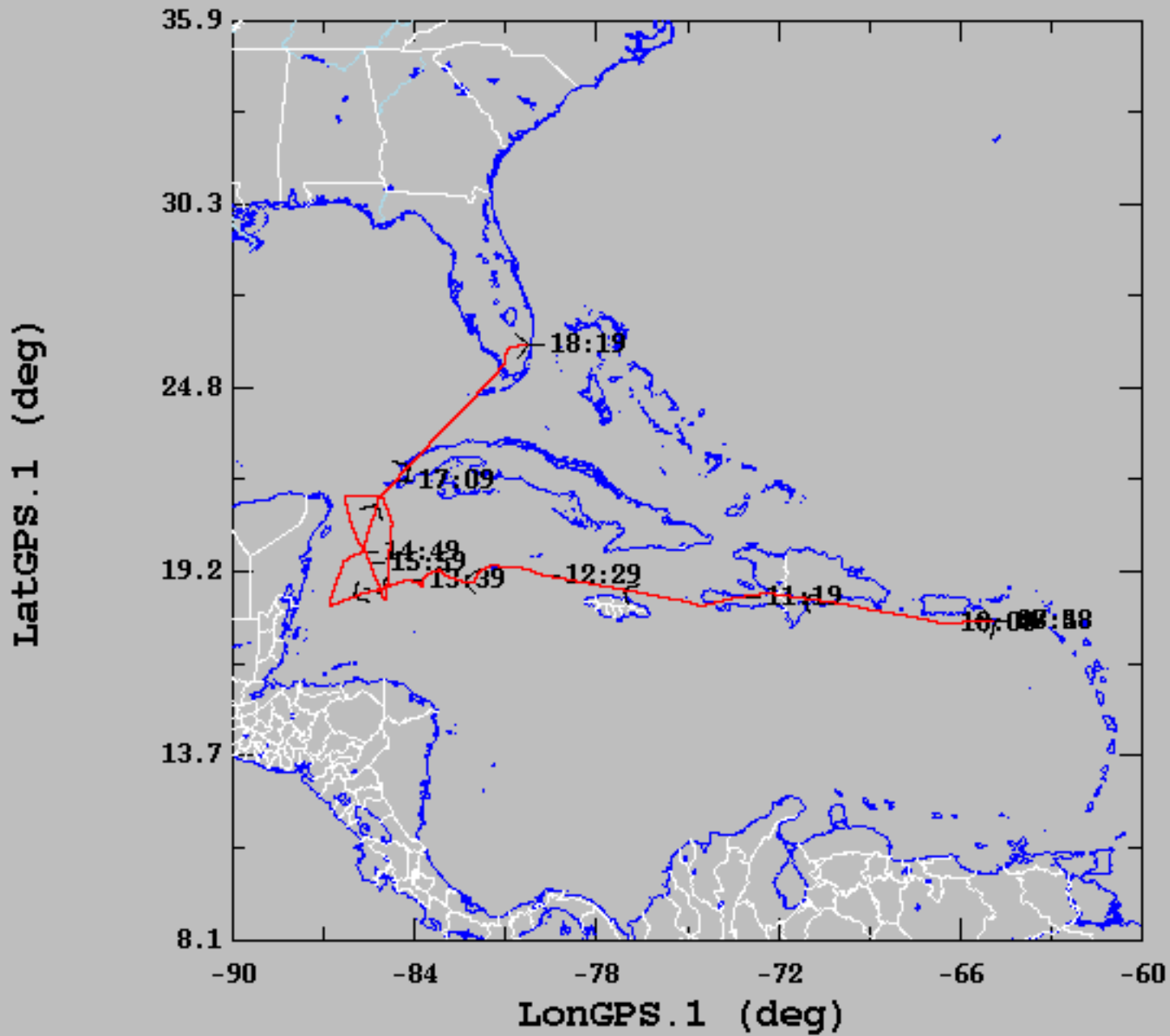
Landing: _____

Flt Dir: OK

Launcher S/N: AS

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	221830843	2	-0.7	14:20:01	AS	NWS	1P1 403.5744	
2	222010061	3	-0.6	14:33:56			MID1	
3	221248125	4	-0.4	14:49:06			Center	
4	221240296	1	-0.6	15:02:12			MID2	
5	221730262	2	-0.1	15:14:47			EP1	
6	221810440	3	-0.4	15:29:20			1P2	
7	221240127	4	-0.6	15:40:17			MID3	
8	221641032	1	✓	15:52			CENTER	
9	221810449	2	-0.4	16:02:20			MID4 (EARLY DROUNDER)	
10	221350754	3	-0.1	16:18:12			EP2	
11	222010063	4	✓	16:48:03			EP3	
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08/27/2023, 07:48:55-18:19:13



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	19.46	2.05	17.68	26.07
— LongGPS.1 (deg), 1 s/sec	-77.50	8.31	-86.79	-64.79