



AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Zawislak / Lundry  
Phone #: 305-707-4359

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:	20230828I2	FLT #:	FY23-	AC:	Abitbol	Scientists:	Pressure		Dropsondes		
From:	KFLL	ETD:	1600L / 2000Z	CP(s):	Rannenberg	Jun Zhang (HRD)	A/C Takeoff	1008.9	Good	Bad	Sent
To:	KFLL	ETA:	0000L / 0400Z		Keith	Frank Marks (HRD)			ASOS Takeoff	1008.7	21
Block Time		Flight Time		NAV:	Utama	Jason Sippel (HRD)	A/C Land	1011.1			
Out:	20:16	T/O:	20:26	FE(s):	Stokes				ASOS Land	1011.1	Good
In:	2:54	Land:	2:48	FD(s):	Wysinger		4	1			4
Total:	6.6	Total:	6.4	SSA:	McAlister	Visitors:			Storm Number ID:		
Sponsoring Org:		HX - NHC/EMC			AVAPS:	Underwood	(ie: AL072012)				
Program:		PRX			SEB:		TCPOD/WSPOD Mission		NOAA3 0810A IDALIA		
Purpose:		TDR Mission + HRD Modules			MX:		(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					x		1	0805 21.52N, 85.14W	22:10:26	985 mb Drop: 100 / 17 kt	
SCIENCE MISSION WITHIN BDRY LAYER					x						
LACK OF PRECIPITATION					x		2	0811 21.54N, 85.11W	23:29:06	988 mb Drop: 225 / 14 kt	
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:	5 x TS			

\*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:	20230828I2
Flight Director(s):	Zawislak / Lundry
Mission:	Tasked/Operational
UWZ.d mean:	-0.22

Pressure Comparison		
	T/O	Land
Aircraft	1008.9	No good measurement
Tower	1008.7	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 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			
✓ 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	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 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 ✓ 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>AltGPS.3, LatGPS.3, LonGPS.3, AltGPS.4, LatGPS.4, LonGPS.4 all drop out for remainder of the flight at ~0128 UTC, which is outbound after the final center pass</p> <p>I.3 for Pitch and Roll is not operational</p> <p>TTM.3 has erroneous data throughout the flight and should not be used</p> <p>TRadU.1 has erroneous data throughout the flight and should not be used</p> <p>TDMref is set to TDM.1; TDM.2 had several erroneous spikes (~2324, 0015, 0148, 0209 UTC) that last for a few min; TDM.3 has erroneous data throughout the flight and should not be used</p> <p>TTMref set to TTM.1</p> <p>PDALPHAref, PDBETAref, PQALPHAref, PQBETAref, and DPJ_WSZ are not provided since _AC file is not produced</p>

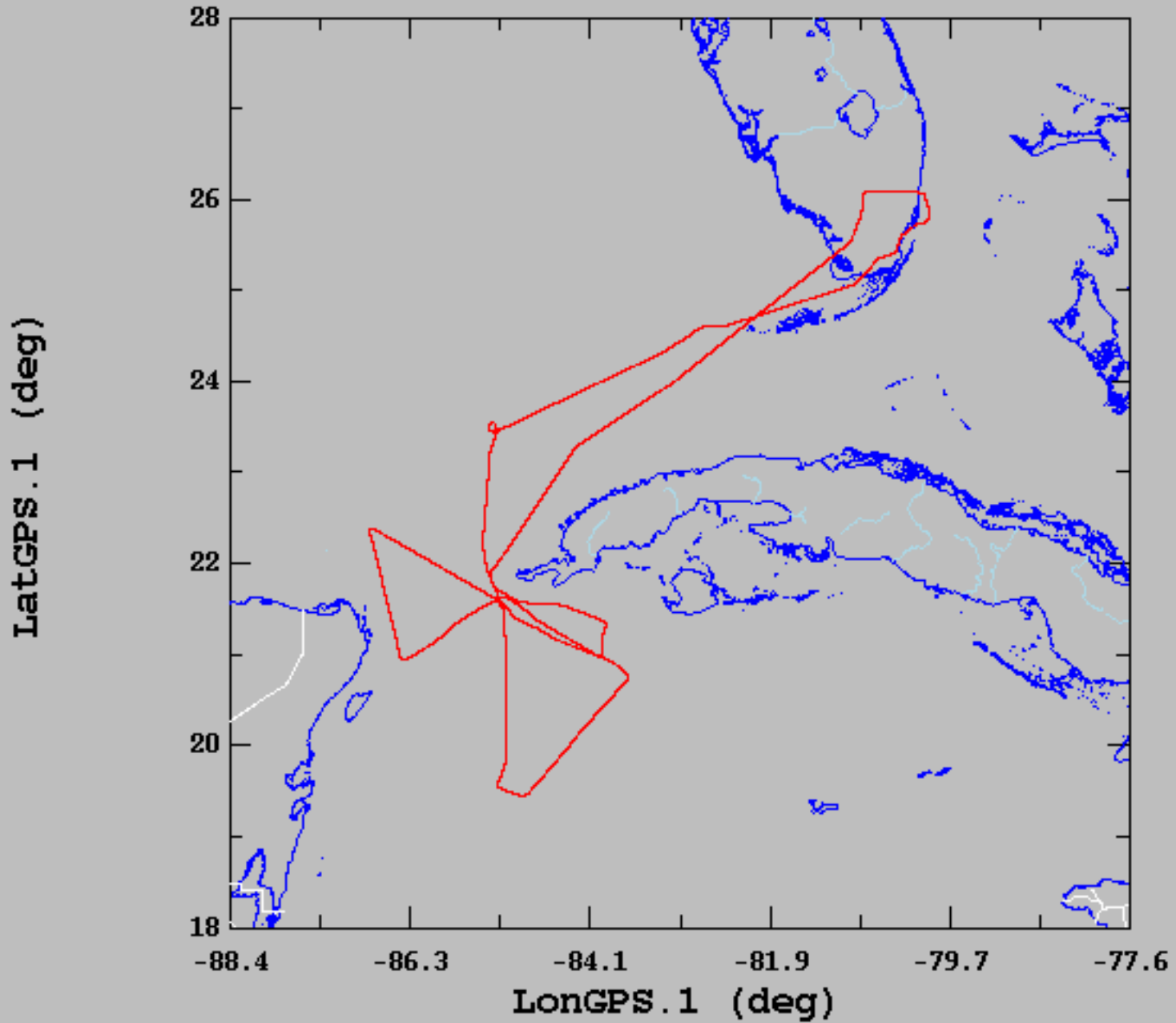
AVAPS Drop Log

Project: FY23 Hurricane Mission: TS Idalia Flight ID: 20230828I2

Take Off: 2026Z Landing: \_\_\_\_\_ Flt Dir: JZ/Lunday Launcher S/N: \_\_\_\_\_

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	221230717	1	-1.0	2141Z	NGU	NWS	IP combo	✓
2	221540690	2	-0.7	2154Z			Mid	✓
3	204310478	3	-1.4	2210Z			Center #1	✓
4	220910335	4	-1.0	2223Z			Mid	✓
5	221830842	5	-0.8	2233Z			EP, combo	✓
6	221240729	6	-0.8	2305Z			IP 2, combo	✓
7	221150735	7	-0.6	2319Z			Mid	✓
8	221230711	8	-0.7	2324Z			RMW	✓
9	221250007	1	-1.0	2329Z			Center #2, combo	✓
10	221830841	2	-0.6	2342Z			Mid	✓
11	222021231	3	-0.7	2353Z			EP, combo	✓
12	221230715	4	-0.5	0015Z			IP 3,	✓
13	221950582	5	-0.7	0024Z			Mid	✓
14	221950577	6	-1.0	0033Z			Center #3, CPA	✓
15	221950581	7	-0.8	0039Z		ONR	RMW, FLAIMS	✓
16	222021239	8	-0.1	0052Z		ONR	EP, FLAIMS	✓
17	221310235	1	-0.6	0059Z		ONR	EP, FLAIMS	✓
18	221240304	2	-0.7	0108Z		ONR	RMW, "	✓
19	221220331	3	-0.7	0114Z		ONR	Center #1, "	✓
20	221240295	4	-1.0	0133Z		<del>ONR</del>	Mid	✓
21	221840070	5	-0.7	0145Z		NWS	EP	✓
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

08/28/2023, 18:20:33-26:52:56



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	23.49	2.15	19.44	26.08
— LonGPS.1 (deg), 1 s/sec	-83.09	2.27	-86.74	-79.97