

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20241006N1	FLT #:		AC:	Varwig	Other Crew:	sUAS		Dropsondes		
From:	KLAL	ETD:		CP(s):	Pawklenko		Type	Released	Good	Bad	Sent
To:	KLAL	ETA:		NAV(s):					37	3	37
Block Time		Flight Time		FE(s):			Other Expendables		Dropsonde Charge Codes		
Out:	17:28	T/O:	17:42	FD(s):	Flaherty		Type	Released	NWS		
In:	01:15	Land:	01:08	SSA:	de Solo				AXBTs		
Total:	7.8	Total:	7.4	IFT(s):	Defeo				Good	Bad	Sent
Sponsoring Org:		NWS		IFT(s):	Vargas						
Program:		PHS		IFT(s):	Hollis			Pennies	-		
Purpose:		TS Milton		MX:				Storm ID: (i.e., AL072012)	AL142024		
				MX:				Mission ID: (i.e., NOAA2 2418A SANDY)	NOAA9 0314A MILTON		
AS REQUIRED BY ORM			Y	N	REMARKS		OBSERVATIONS				
VOLCANIC ASH					39 total sondes released.		Fix Number	Obs Number	Fix Time	SLP	
SCIENCE MISSION WITHIN BDRY LAYER							1				
LACK OF PRECIPITATION							2				
RELATIVE HUMIDITY ≥ 80%							3				
LARGE AIR-SEA TEMP GRADIENT							4				
HIGH SURFACE WINDS											
LONG FETCH / DURATION OF SFC WND											
SEA SALT ACCRETION FORECAST											
SEA SALT ACCRETION OBSERVED											

*Highlighted items must be completed before departure.

G-IV QC Checklist

Overall Assessment	No instrument issues noted.
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Flight ID:	20241008N2
Flight Director(s):	Flaherty/de Solo
Mission:	Tasked/Operational
UWZ.d mean:	-0.15

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft		
Airfield	1002.5	1010.4 (KMOB)

This form uses:	_A.nc
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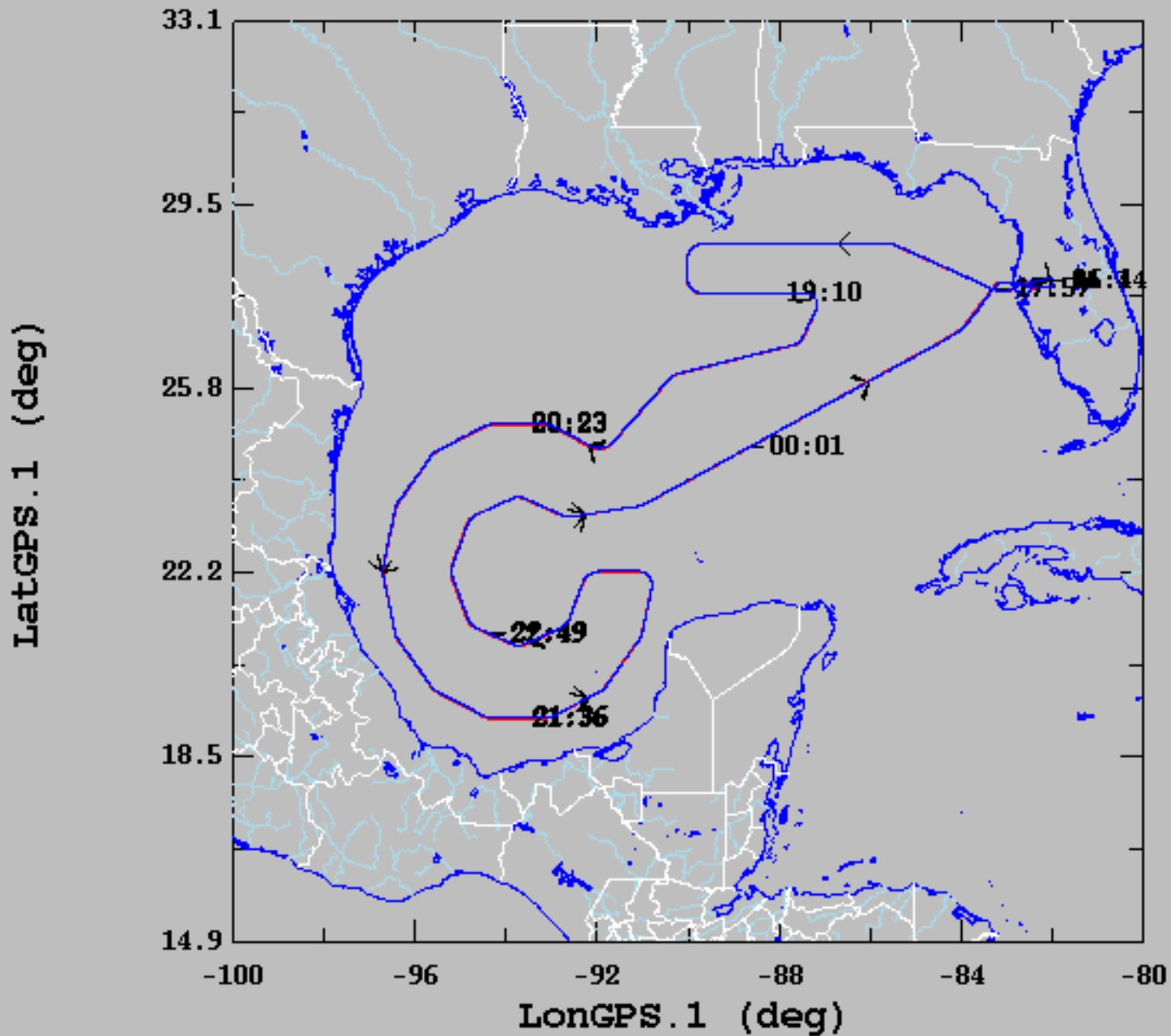
Parameters	Raw				Derived, Corrected & Reference
✓ Acceleration	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1	✓ AccZI.1	✓ AccZref
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2	✓ AccZI.2	
	✓ AccAXI.3	✓ AccAYI.3	✓ AccAZI.3	✓ AccZI.3	
✓ Altitude	✓ AltGPS.1	✓ AltI.1	✓ AltPaADDU.1	✓ AltBCADDU.1	✓ ALTref ✓ ALTPA.d ✓ ALTGA.d
	✓ AltGPS.2	✓ AltI.2	✓ AltPaADDU.2	✓ AltBCADDU.2	
	✓ AltGPS.3	✓ AltI.3	INOP AltRA.1		
✓ Ground Speed	✓ GsXI.1	✓ GsYI.1	✓ GsZI.1	✓ GsGPS.1	✓ GSXref ✓ GSYref ✓ GSZref
	✓ GsXI.2	✓ GsYI.2	✓ GsZI.2	✓ GsGPS.2	
	✓ GsXI.3	✓ GsYI.3	✓ GsZI.3		
	✓ GsXGPS.1	✓ GsYGPS.1	✓ GsZGPS.1		
	✓ GsXGPS.2	✓ GsYGPS.2	✓ GsZGPS.2		
✓ Location	✓ LatGPS.1	✓ LatI.1	✓ LongGPS.1	✓ LonI.1	✓ LATref ✓ LONref
	✓ LatGPS.2	✓ LatI.2	✓ LongGPS.2	✓ LonI.2	
	✓ LatGPS.3	✓ LatI.3	✓ LongGPS.3	✓ LonI.3	
✓ Pressure Sensors	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c
	✓ PDALPHA.2	✓ PQALPHA.2	✓ PQM.2	✓ PSM.2	
	INOP PDBETA.1	X PQBETA.1			
	✓ PDBETA.2	X PQBETA.2			
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1			✓ IAS.d ✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1	✓ PitchRatel.1	✓ RollI.1	✓ RollRatel.1	✓ PITCHref ✓ ROLLref
	✓ PitchI.2	✓ PitchRatel.2	✓ RollI.2	✓ RollRatel.2	
	✓ PitchI.3	✓ PitchRatel.3	✓ RollI.3	✓ RollRatel.3	
✓ Temperature / Dewpoint	✓ TTM.1	✓ TTM.4	X TDM.1		✓ TD.c ✓ TTMref ✓ TDMref ✓ TA.d X HUM
	INOP TTM.2		✓ TDM.2		
	✓ TTM.3				
X Wind					✓ UWZ.d X WS.d X WD.d

FLID_Mission_Documents.pdf:
✓ Error Summary
✓ Crew Manifest
✓ QC Checklist
✓ Dropwindsonde Log(s) - AVAPS and FD, if completed
✓ Flight Track

QC Key:	
Valid	✓
Errors (see NOTES)	X
Sensor Inoperative	inop

NOTES:
Flight level winds are removed due to known inconsistencies. PQBeta.1 and PQBeta.2 are inoperable due to use of spare radome.

10/06/2024, 16:44:58-25:14:38



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.04	2.96	19.28	28.70
— LongGPS.1 (deg), 1 s/sec	-89.25	4.74	-96.69	-81.96
— LatI.1 (deg), 1 s/sec	25.03	2.96	19.27	28.69
— LonI.1 (deg), 1 s/sec	-89.26	4.74	-96.68	-81.96

AOC GPS Dropwindsonde Log (updated June 2023D)

Flight ID: _____ ASPEN Operator/Flight Director(s): _____

Mission ID: _____ Storm Name/Track: _____ PG ____ of ____

Sonde #	Ob #	Šæ } &@Time PPT T ÚÚÁZ	Sonde ID <small>(I à Aspen ID)</small>	ChÄ <small>•^àÄ</small>	Lat (°N)	Lon (°W)	Prominent Wx Cond.	SFC Prs (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
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COMMENTS:

ASPEN Operator will ensure this form is delivered to the AOC Flight Director to be archived

Obs
Xmitted

Obs
Missed

of sondes
launched

of bad
sondes

AVAPS Drop Log

(06N1)

Project: PHS

Mission: TS MILTON

Flight ID: 20241005N1

Take Off: 1342/1742Z Landing: 2108

Flt Dir: Sofia

Launcher S/N: (scribble)

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	233814460	1	-0.3	1817	DSH	NWS	ACS also	✓
2	230710640	2	-0.2	1829	DSH			✓
3	233950568	3	-0.1	1841	DSH		FD REPORT ZAD FAST FALL	✓ *
4	240520572	4	-0.2	1852	DSH			✓
5	230351536	1	-0.4	1859	DSH			✓
6	230620831	2	-0.3	1909	DSH			✓
7	230650150	3	-0.2	1918	DSH			✓
8	233550551	4	-0.1	1926	DSH			✓
9	233220915	1	-0.2	1937	DSH			✓
10	230610051	2	-0.2	1949	DSH			✓
11	285051248	3	-0.1	2006	DSH			✓
12	233830623	4	-0.1	2016	DSH			✓
13	233741401	1	-0.1	2027	DSH			✓
14	230351481	2	-0.2	2038	DSH			✓
15	233640116	3	0.0	2048	DSH		NOT*FAST FALL**	✓
16	233550042	4	-0.2	2050	DSH		double drop Requested by FD	✓
17	233814518	1	-0.1	2105	DSH		NO ACS Trog mismatch	X
18	233824550	2	-0.1	2105	DSH		ACS also again	✓
19	233350179	3	+0.1	2111	DSH			✓
20	233950707	4	-0.1	2121	DSH			✓
21	233950712	1	-0.2	2132	DSH			✓
22	233814618	2	-0.2	2142	DSH			✓
23	230940037	3	-0.4	2153	JN			✓
24	230640119	1	-0.3	2204	JN			✓
25	233950655	4	0.0	2215	JN			✓
26	230740049	2	-0.4	2226	JN		↓	✓
27	230740022	3	-0.1	2234	JN		NOT in ACS, GPS issue	✓
28	233667952	4	-0.0	2243	JN		ALSO IN ACS	✓
29	230351100	1	-0.7	2252	JN		↓	✓
30	233220894	2	-0.2	2302	JN		NOT in ACS	✓
31	230351102	3	-0.4	2311	JN		↓	✓