

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20241008N1	FLT #:		AC:	Varwig	Other Crew:	sUAS		Dropsondes		
From:	KLAL	ETD:		CP(s):	Pawklenko		Type	Released	Good	Bad	Sent
To:	KMOB	ETA:							27	2	27
Block Time		Flight Time		NAV(s):			Other Expendables		Dropsonde Charge Codes		
Out:	17:20	T/O:	17:30	FE(s):			Type	Released	NWS		
In:	23:19	Land:	23:13	FD(s):	Flaherty				AXBTs		
Total:	6.0	Total:	5.7	SSA:	de Solo				Good	Bad	Sent
					Defeo						
Sponsoring Org:		NWS		IFT(s):	Hollis		Pennies				
Program:		PHS						Storm ID: (i.e., AL072012)		AL142024	
Purpose:		HX Milton		MX:	Roche		Mission ID: (i.e., NOAA2 2418A SANDY)		1514A Milton		
						Ohsiek					
AS REQUIRED BY ORM			Y	N	REMARKS			OBSERVATIONS			
VOLCANIC ASH								Fix Number	Obs Number	Fix Time	SLP
SCIENCE MISSION WITHIN BDRY LAYER								1			
LACK OF PRECIPITATION								2			
RELATIVE HUMIDITY ≥ 80%								3			
LONG FETCH / DURATION OF SFC WND								4			
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 ✓ TDMref X HUM ✓ TTMref ✓ TA.d	
	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.

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>•^äÄ</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

Project: HX MILTON

Mission: PHS

Flight ID: 20241008N2

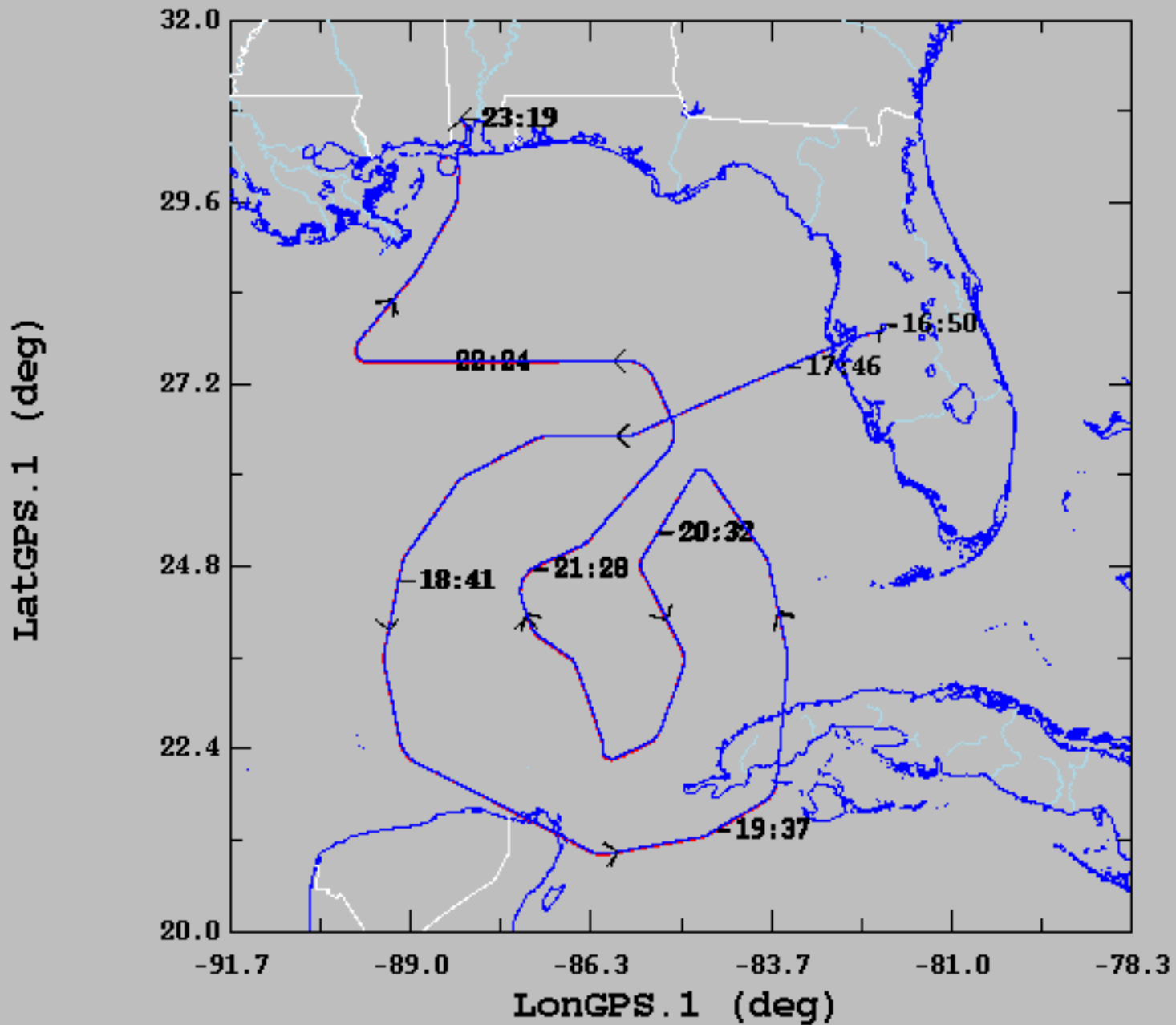
Take Off: 1330/1730Z Landing: _____

Flt Dir: _____

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	233640828	1	-0.2	1806	DSH	NWS	NO ACS	✓
2	235154174	2	-0.3	1817			SOLO AVAPS	✓
3	234820912	3	-0.2	1828				✓
4	234820908	4	-0.3	1839				✓
5	234830513	1	-0.3	1850				✓
6	233814529	2	-0.1	1900				✓
7	234920764	3	-0.3	1924			Released backup / BAD HUMIDITY	✗
8	235154170	4	-0.2	1925			BACKUP DROP	✓
9	233220891	1	-0.1	1936				✓
10	235154186	2	-0.3	1945				✓
11	230720481	3	-0.5	2000				✓
12	233631459	4	-0.1	2011				✓
13	234830494	1	-0.2	2022				✓
14	235154053	2	-0.2	2041				✓
15	240120300	3	-0.3	2049				✓
16	240120236	4	-0.3	2058				✓
17	240120280	1	-0.2	2103				✓
18	234920765	2	-0.1	2111				✓
19	233550040	3	-0.1	2118				✓
20	234820911	4	-0.1	2126			SATURATED DEWPOINT	✓
21	234820868	1	-0.2	2134			SATURATED DEWPOINT	✓
22	234830514	2	-0.1	2149				✓
23	234820875	3	-0.3	2158				✓
24	240120177	4	-0.2	2210			(NO DEWPOINT / HUMID) → BACKUP DROP	✗
25	233140735	1	-0.3	2211				✓
26	234820876	2	-0.2	2222				✓
27	240130117	3	-0.2	2233				✓
28	230940045	4	-0.5	2244				✓
29	234820913	1	0.0	2251	DSH	NWS	labeled drop 27" A MISTAKE **	✓
30								
31								

10/08/2024, 16:50:54-23:19:33



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.68	2.57	21.02	30.70
— LongGPS.1 (deg), 1 s/sec	-85.96	2.27	-89.80	-81.96
— LatI.1 (deg), 1 s/sec	25.67	2.57	21.00	30.70
— LonI.1 (deg), 1 s/sec	-85.97	2.27	-89.81	-81.96