

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N49RF Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION					
FLT ID:	20241106N1	FLT #:		AC:	Bhatnagar	Other Crew:		sUAS		Dropsondes		
From:	KLAL	ETD:	0530Z / 0130L	CP(s):	Cozart			Type	Released	Good	Bad	Sent
To:	KLAL	ETA:	1330Z / 0930L					-	-			
Block Time		Flight Time		NAV(s):				-	-	13	0	13
Out:	18:25	T/O:	18:32	FE(s):			Other Expendables		Dropsonde Charge Codes			
In:	21:55	Land:	21:49	FD(s):	Flaherty		Type	Released	NWS			
					Hathaway		-	-	AXBTs			
Total:	3.5	Total:	3.3	SSA:	Defeo		-	-	Good	Bad	Sent	
					Hollis		-	-				
Sponsoring Org:	NWS			IFT(s):	Santoni		Pennies		0			
Program:	PHS							Storm ID: (i.e., AL072012)		AL182024		
Purpose:	Hurricane Rafael			MX:			Mission ID: (i.e., NOAA2 2418A SANDY)		NOAA9 1418A RAFAEL			
AS REQUIRED BY ORM				Y	N	REMARKS			OBSERVATIONS			
VOLCANIC ASH					x			Fix Number	Obs Number	Fix Time	SLP	
SCIENCE MISSION WITHIN BDRY LAYER					x			1				
LACK OF PRECIPITATION				x				2				
RELATIVE HUMIDITY ≥ 80%					x			3				
LARGE AIR-SEA TEMP GRADIENT					x			4				
HIGH SURFACE WINDS				x								
LONG FETCH / DURATION OF SFC WND					x							
SEA SALT ACCRETION FORECAST					x							
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:	20241106N1
Flight Director(s):	Flaherty/Hathaway
Mission:	Tasked/Operational
UWZ.d mean:	

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft		
Airfield	1009.7	1009.6

This form uses:	_A.nc
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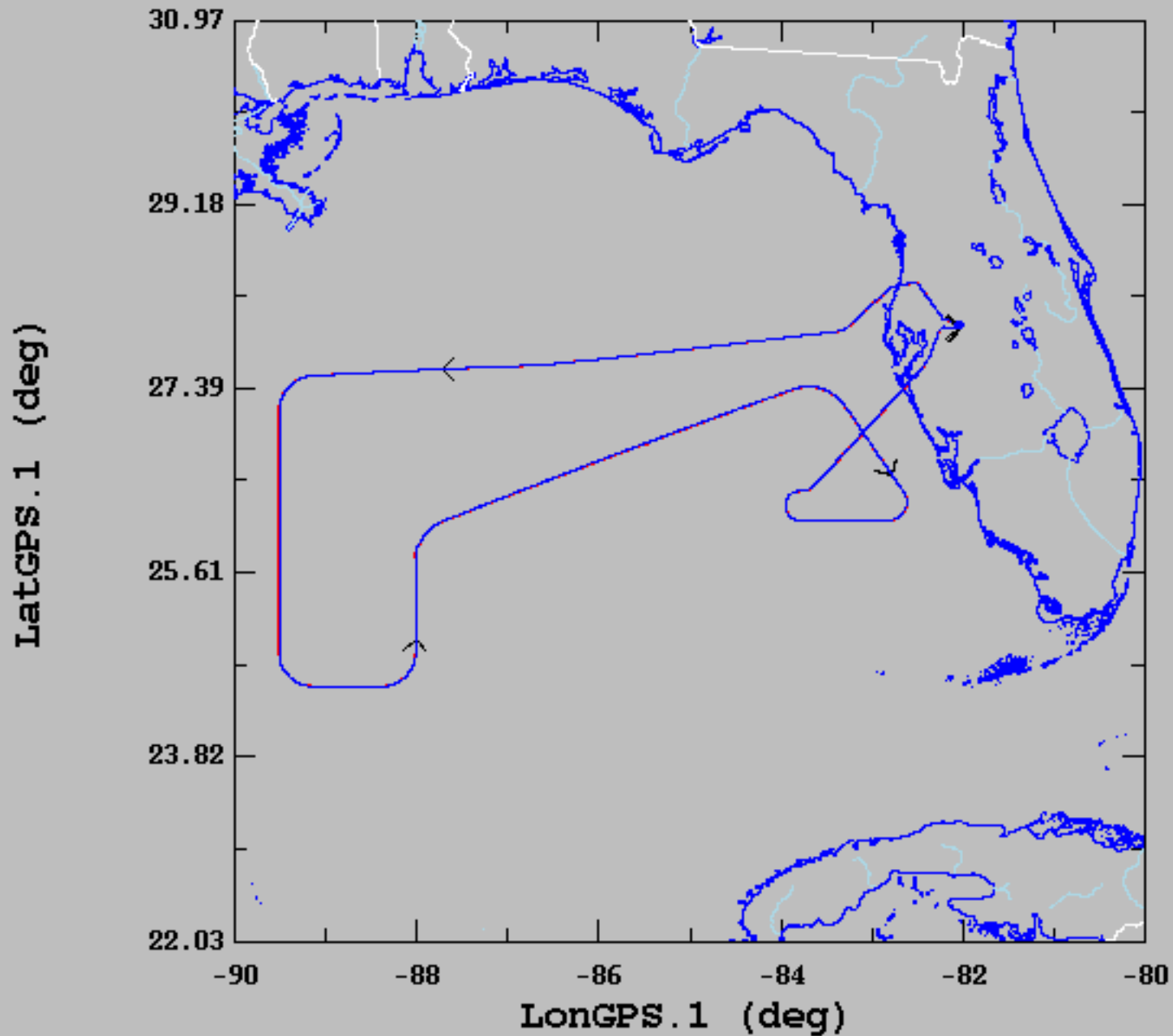
Parameters	Raw				Derived, Corrected & Reference
✓ Acceleration	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1	✓ AccZI.1	✓ AccZref
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2	✓ AccZI.2	
	✓ AccAXI.3	✓ AccAYI.3	✓ AccAZI.3	✓ AccZI.3	
✓ Altitude	✓ AltGPS.1	✓ AltI.1	✓ AltPaADDU.1	✓ AltBCADDU.1	✓ ALTref ✓ ALTPA.d ✓ ALTGA.d
	✓ AltGPS.2	✓ 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.

11/06/2024, 18:43:02-22:54:14



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	27.12	1.02	24.50	28.42
— LonGPS.1 (deg), 1 s/sec	-84.80	2.74	-89.50	-81.98
— LatI.1 (deg), 1 s/sec	27.12	1.02	24.50	28.42
— LonI.1 (deg), 1 s/sec	-84.80	2.74	-89.51	-81.98

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 ð 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