



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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20230914N2	FLT #:		AC:	de Triquet	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:		CP(s):	Varwig		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:			Smith				28	2	28
Block Time		Flight Time		NAV:		ASOS Takeoff		BTs			
In:	0:33	Land:	0:24	FE(s):				Good	Bad	Sent	
Out:	17:13	T/O:	17:28	FD(s):	Flaherty	A/C Land		0	0	0	
Total:	7.3	Total:	6.9		SSA:						Defeo
Sponsoring Org:	NWS			SEB:	Keller	Storm Number ID:		AL132023			
Program:	PHS						(ie: AL072012)				
Purpose:	Hurricane Lee			MX:		TCPOD/WSPOD Mission		3213A LEE			
						(ie: NOAA2 2418A SANDY)					
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH							1				
SCIENCE MISSION WITHIN BDRY LAYER							2				
LACK OF PRECIPITATION							3				
RELATIVE HUMIDITY ≥ 80%							4				
LONG FETCH / DURATION OF SFC WND											
SEA SALT ACCRETION FORECAST											
SEA SALT ACCRETION OBSERVED							Pennies:	N/A			

\*Highlighted items must be completed before departure.

Remarks:


## G-IV QC Checklist

<b>Flight ID:</b>	<b>20230914N2</b>
<b>Flight Director(s)</b>	<b>Flaherty/de Solo</b>

<b>UWZ.d mean:</b>	<b>0.03</b>
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Pressure Comparison		
	T/O	Land
<b>Aircraft</b>	<b>1007.0</b>	<b>1006.7</b>
<b>Tower</b>	<b>1007.7</b>	<b>1007.6</b>

	Raw 1Hz Mean File Parameters					C File Parameters	
✓ Accelerometer	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1			✓ AccZref	
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2				
	✓ AccAXI.3	✓ AccAYI.3	✓ AccAZI.3				
✓ Altitude	✓ AltGPS.1	✓ AltI.1	✓ AltPaADDU.1	✓ AltBCADDU.1		✓ ALTref	
	✓ AltGPS.2	✓ AltI.2	✓ AltPaADDU.2	✓ AltBCADDU.2		✓ ALTPA.d	
	✓ AltGPS.3	✓ AltI.3	X AlTRA.1			✓ ALTGA.d	
✓ Ground Speed	✓ GsXI.1	✓ GsYI.1	✓ GsZI.1	✓ GsGPS.1		✓ GSXref	
	✓ GsXI.2	✓ GsYI.2	✓ GsZI.2	✓ GsGPS.2		✓ GSYref	
	✓ GsXI.3	✓ GsYI.3	✓ GsZI.3	X GsGPS.3		✓ GSZref	
	✓ GsXGPS.1	✓ GsYGPS.1	✓ GsZGPS.1				
	✓ GsXGPS.2	✓ GsYGPS.2	✓ GsZGPS.2				
	X GsXGPS.3	X GsYGPS.3	X GsZGPS.3				
✓ Lat / Lon	✓ LatGPS.1	✓ LatI.1	✓ LongGPS.1	✓ LonI.1		✓ LATref	
	✓ LatGPS.2	✓ LatI.2	✓ LongGPS.2	✓ LonI.2		✓ LONref	
	✓ LatGPS.3		✓ LongGPS.3				
✓ Pressure	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1		X PDLAPHaref	✓ PQMref
	✓ PDALPHA.2	✓ PQALPHA.2	✓ PQM.2	✓ PSM.2		X PDBETAref	✓ PQ.c
	✓ PDBETA.1	X PQBETA.1				X PQALPHaref	✓ PSMref
	✓ PDBETA.2	✓ PQBETA.2				X PQBETAref	✓ PS.c
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1				✓ IAS.d	✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1	✓ PitchRateI.1	✓ RolLI.1	✓ RollRateI.1		✓ PITCHref	
	✓ PitchI.2	✓ PitchRateI.2	✓ RolLI.2	✓ RollRateI.2		✓ ROLLref	
	✓ PitchI.3	✓ PitchRateI.3	✓ RolLI.3	✓ RollRateI.3			
✓ Temp / Dewpt	✓ TTM.1	✓ TTM.4	X TDM.1			X TD.c	✓ TTMref
	✓ TTM.2		X TDM.2			X TDMref	✓ TA.d
	X TTM.3						
✓ Misc. (Must check)						✓ UWZ.d	✓ WS.d
						X DPJ_WSZ	✓ WD.d
						X HUM	

FLID_Mission_Documents.pdf:	
✓	Error Summary
✓	Crew Manifest
✓	QC Checklist
✓	Dropwindsonde Log(s) - AVAPS and FD if completed
✓	Flight Track
<input type="checkbox"/>	Miscellaneous FD Notes

QC Key	
Not checked	<input type="checkbox"/>
Valid	<input checked="" type="checkbox"/>
Errors (note)	<input checked="" type="checkbox"/>

NOTES:
<p>23:03 PQBETA.1 diverges from PQBETA.2</p> <p>AlTRA.1 and GSGPS's are not operational.</p> <p>TDM.1 and TDM.2 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' fi</p>

AOC GPS Dropwindsonde Log (updated June 2023)

31.7  
-68.3

Flight ID: 20230914N2

ASPEN Operator/Flight Director(s): FLAHERTY / deSoto

Mission ID: 3213ALFE

Storm Name/Track: HULL LEE SURV

PG \_\_\_ of \_\_\_

Sonde #	Ob #	Launch Time HHMMSS (Z)	Sonde ID (min last 5)	Ch # used	Lat (°N)	Lon (°W)	Prominent Wx Cond.	SFC Prs (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	1	1858	30452	1	29.4	-70.0	FEW	997		1929	N
2	2	1907	30264	2	28.9	-68.8	SCT	995.8		1932	N
3	3	1916	30470	3	28.9	-67.5	SCT		TERMINATED EARLY	2028	Y
4	4	1926	70710	4	29.4	-66.3	BKN		" "	2030	Y
5	5	1935	30487	1	30.5	-65.4	OVC	995.6		2033	N
6	6	2002	30360	2	33.3	-63.2	OVC	1009.0		2040	N
7	7	2013	20870	4	34.7	-63.3	OVC	1010.0		2042	N
8	8	2023	30450	3	34.7	-64.7	OVC	1009.2		2043	N
9	<del>8</del>	<del>2037</del>	<del>20875</del>	1			OVC		BAD SONDE		Y
10	9	2037	20875	2	34.2	-66.5	OVC	1000.9	BACK UP	2057	N
11	10	2046	20218	3	34.7	-67.6	OVC	1004.5		2104	N
12	11	2055	20342	4	34.7	-68.9	OVC	1001.9		2114	N
13	12	2104	10613	1	34.1	-70.0	OVC	1010.4		2128	N
14	13	2115	20833	2	33.0	-70.9	OVC	998.3		2145	N
15	14	2125	20443	3	31.9	-71.0	OVC	994.9		2159	N
16	15	2135	30488	4	31.9	-69.7	OVC	994.4		2201	N
17	16	2144	30259	1	32.8	-69.2	OVC		TERMINATED EARLY	2201	Y
18	<del>15</del>	<del>2151</del>	<del>20824</del>	2					FAST FALL		Y
19	17	2152	20886	3	33.2	-68.0	OVC	988.5	BACK UP	2213	N
20	18	2200	30356	4	32.8	-67.1	OVC	984.9		2243	N
21	19	2210	30428	1	31.7	-66.7	OVC	982.0		2246	N
22	20	2219	10618	2	30.7	-67.1	OVC	982.3		2248	N
23	21	2228	10323	3	30.3	-68.2	OVC	976.5	EARLY ?	2254	N
24	22	2236	20446	4	30.7	-69.3	OVC	989.7		2302	N
25	23	2248	30469	1	30.5	-71.0	SCT	999.2		2316	N
26	24	2301	10874	2	30.1	-72.5	SCT	1004.6		2329	N
27	25	2311	30471	3	30.1	-73.9	SCT	1007.0		2332	N
28	26	2322	2718	4	29.8	-75.2	FEW	1009.5		2343	N
29	27	2334	30492	1	29.4	-76.7	FEW	1010.6		2353	N
30	28	2343	70741	2	29.2	-78.0	FEW	1011.0	LAST REPORT	2002	N
31											
32											
33											
34											
35											
36											
37											
38											

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

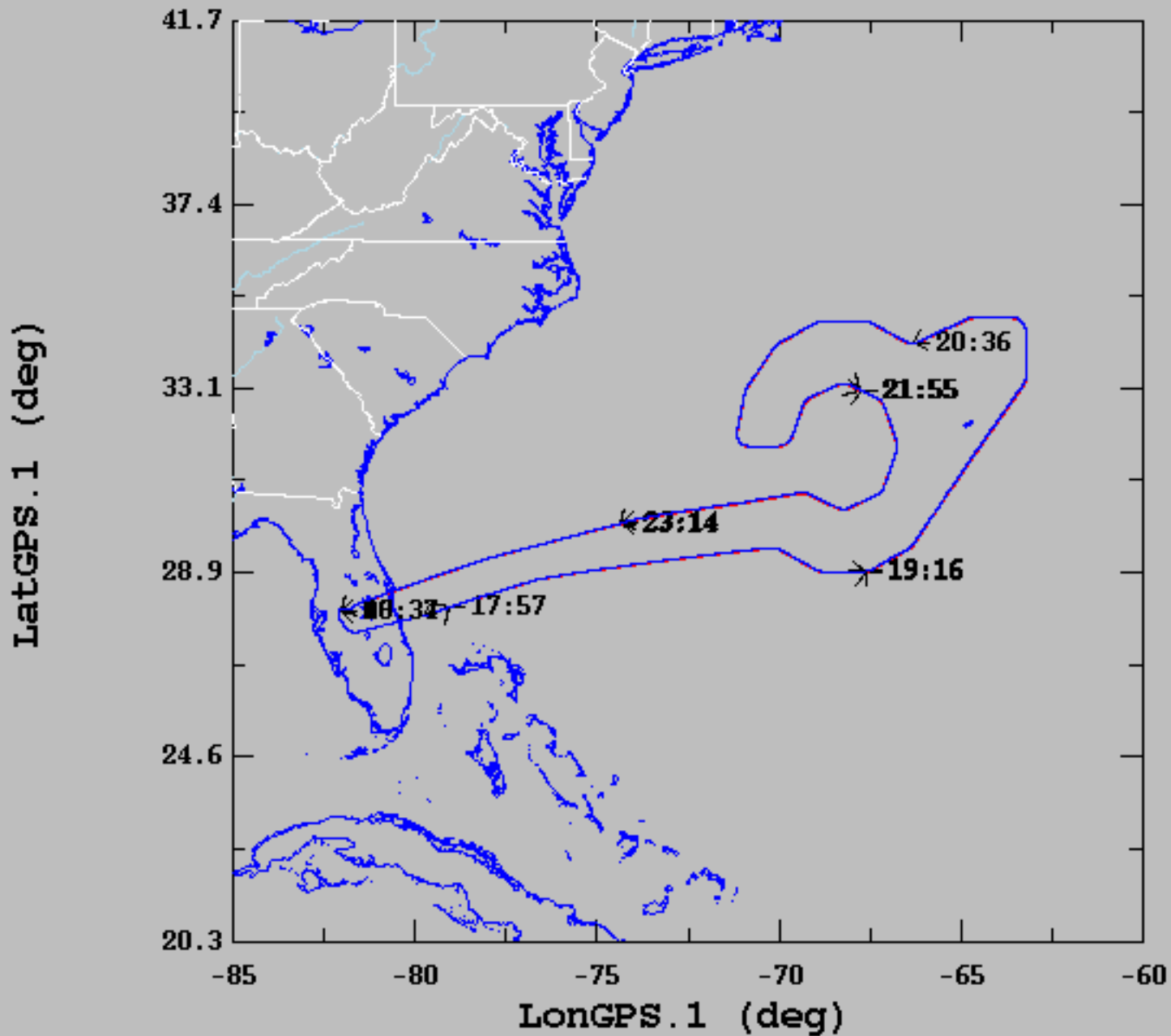
Obs Xmitted

Obs Missed

# of sondes launched

# of bad sondes

09/14/2023, 16:37:53-24:34:13



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	30.44	2.25	27.47	34.80
— LongGPS.1 (deg), 1 s/sec	-72.74	6.10	-82.09	-63.20
— LatI.1 (deg), 1 s/sec	30.43	2.24	27.47	34.78
— LonI.1 (deg), 1 s/sec	-72.74	6.10	-82.09	-63.19