

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20230912N2	FLT #:		AC:	de Triquet	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:		CP(s):	Varwig		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:			Smith				34	4	34
Block Time		Flight Time		NAV:		ASOS Takeoff		BTs			
In:	1:17	Land:	1:11	FE(s):				Good	Bad	Sent	
Out:	17:13	T/O:	17:21	FD(s):	Flaherty	ASOS Land		0	0	0	
Total:	8.1	Total:	7.8		SSA:						Defeo
Sponsoring Org:	NWS			SEB:	Keller	Tuchman (CNN)	Storm Number ID:		AL132023		
Program:	PHS					Clifford (CNN)	(ie: AL072012)				
Purpose:	Hurricane Lee			MX:		Martinelli (CNN)	TCPOD/WSPOD Mission		NOAA9 2313A 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

Flight ID:	20230912N2
Flight Director(s)	Flaherty/de Solo
UWZ.d mean:	0.04

Pressure Comparison		
	T/O	Land
Aircraft	1011.0	1009.0
Tower	1012.0	1010.0

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

NOTES:

AltRA.1 and GSGPS's are not operational.
TDM.1 and TDM.2 has erroneous data throughout the flight and should not be used.
PDALPHaref, PDBETAref, PQALPHaref, PQBETAref, and DPJ_WSZ are not provided since _AC file is not produced; all other 'C' file parameters checked are from the _A file

AOC GPS Dropwindsonde Log (updated June 2023)

Flight ID: 20230912N2

ASPEN Operator/Flight Director(s): FLAHERTY / DE SOLO

Mission ID: 2313A LFE

Storm Name/Track: HURR 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	1748	10048	1	27.5	-78.7	FEW	1015.3		1817	N
2	2	1759	50023	2	27.3	-77.2	FEW	1014.6	GOOD	1826	N
3				3					NO PTH		Y
4	3	1810	50594	4	27.1	-75.6	FEW	1014.2	BACK-UP	1841	N
5	4	1821	40927	1	27.0	-74.0	FEW	1012.9	GOOD	1843	N
6	5	1833	50576	2	26.7	-72.4	SCT	1011.1		1855	N
7	6	1844	20053	3	26.5	-70.8	OVC	1007.8		1905	N
8	7	1856	50592	4	26.3	-69.2	OVC	1005.6		1915	N
9	8	1906	50576	1	27.3	-68.4	OVC	1007.3		1926	N
10	9	1916	41025	2	27.9	-67.2	OVC	1008.2	RH LOST AT 330mb	1943	Y
11	10	1925	40877	3	27.9	-65.9	OVC	1007.5	GOOD	1949	N
12	11	1936	41023	4	27.3	-64.7	OVC	1006.2		1956	N
13		1946		1					NO LAUNCH DETECT		Y
14	12	1947	31332	2	26.1	-63.8	OVC	1004.3	BACK-UP	2024	N
15	13	1958	30788	3	25.0	-63.5	OVC	1002.6	GOOD	2030	N
16	14	2009	50688	4	24.4	-62.1	OVC	1007.4		2032	N
17	15	41028	2021	1	23.0	-61.7	BKN	1008.8		2045	N
18	16	2032	40557	2	22.0	-62.6	BKN	1007.7		2120	N
19	17	2044	40553	3	21.0	-63.6	SCT	1007.2		2127	N
20	18	2055	40987	4	20.0	-64.6	SCT	1006.2		2129	N
21	19	2106	50534	1	20.0	-66.0	BKN	1006.4		2132	N
22	20	2126	41021	2	22.1	-67.2	OVC	1002.6		2146	N
23	21	2142	21166	3	23.9	-67.6	OVC	991.2		2209	N
24	22	2152	50219	4	25.0	-68.0	OVC	993.5		2223	N
25	23	2201	50227	1	26.0	-67.6	OVC	997.5		2227	N
26	24	2210	40986	2	26.4	-66.5	OVC	996.8	RH ISSUES	2243	Y
27	25	2219	40853	3	26.0	-65.5	OVC	993.0	GOOD	2259	N
28	26	2229	50517	4	24.9	-65.1	OVC	987.3		2304	N
29		2238		1					BAD - NO PTH		Y
30	27	2240	50193	2	23.8	-65.6	OVC	986.0	RH ISSUES	2316	Y
31	28	2248	40856	3	23.5	-66.6	OVC	988.6	GOOD	2322	N
32	29	2308	50492	4	23.8	-69.2	BKN	1002.0		2335	N
33	30	2319	41024	1	25.0	-69.6	SCT	1002.5		2339	N
34	31	2330	20043	2	25.5	-70.9	SCT	1005.9		2353	N
35		2342		3					BAD SONDE		Y
36	32	2343	50040	4	25.8	-72.6	DARK	1009.0	BACK UP	0008	N
37	33	2355	21229	1	26.1	-74.0		1011.5	GOOD	0021	N
38	34	0007	20373	2	26.4	-75.6		1020.9	LAST REPORT	0029	N

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

Obs Xmitted

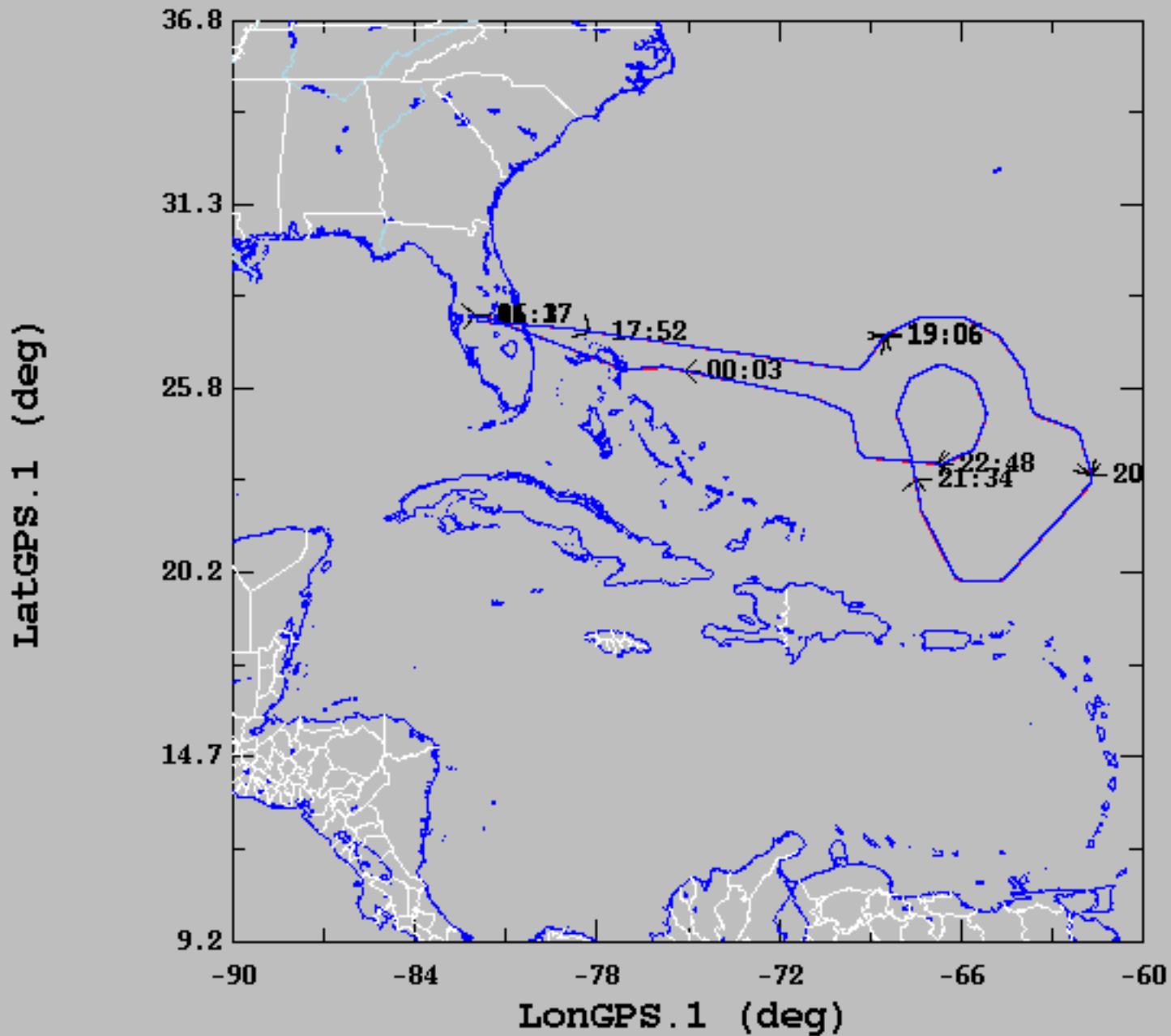
Obs Missed

of sondes launched

of bad sondes

24.3N 65.9W

09/12/2023, 16:37:49-25:17:13



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.62	2.23	20.00	27.99
— LongGPS.1 (deg), 1 s/sec	-71.46	6.60	-82.22	-61.65
— LatI.1 (deg), 1 s/sec	25.61	2.23	19.98	27.99
— LonI.1 (deg), 1 s/sec	-71.45	6.59	-82.21	-61.66