



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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20230913N1	FLT #:		AC:	de Triquet	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:		CP(s):	Varwig		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:									
Block Time		Flight Time		NAV:		ASOS Takeoff			<b>31</b>		
In:	<b>0:34</b>	Land:	<b>0:24</b>	FE(s):					<b>BTs</b>		
Out:	<b>17:10</b>	T/O:	<b>17:19</b>	FD(s):	Flaherty		A/C Land		Good	Bad	Sent
Total:	<b>7.4</b>	Total:	<b>7.1</b>		SSA:				Defeo	Visitors:	
Sponsoring Org:	NWS			AVAPS:	Weinmann	Englert	Storm Number ID:		<b>AL132023</b>		
Program:	PHS			SEB:	Keller	Rodriguez (HQ)	(ie: AL072012)				
Purpose:	Hurricane Lee			MX:			TCPOD/WSPOD Mission		<b>NOAA9 2613A LEE</b>		
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH							<b>1</b>				
SCIENCE MISSION WITHIN BDRY LAYER							<b>2</b>				
LACK OF PRECIPITATION							<b>3</b>				
RELATIVE HUMIDITY ≥ 80%							<b>4</b>				
LARGE AIR-SEA TEMP GRADIENT											
HIGH SURFACE WINDS											
LONG FETCH / DURATION OF SFC WND											
SEA SALT ACCRETION FORECAST											
SEA SALT ACCRETION OBSERVED											
							<b>Pennies:</b>				

\*Highlighted items must be completed before departure.

Remarks:


## G-IV QC Checklist

<b>Flight ID:</b>	<b>20230913N2</b>
<b>Flight Director(s)</b>	<b>Flaherty/de Solo</b>
<b>UWZ.d mean:</b>	<b>-0.02</b>

Pressure Comparison		
	T/O	Land
<b>Aircraft</b>	<b>1008.7</b>	<b>1006.4</b>
<b>Tower</b>	<b>1009.4</b>	<b>1007.0</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	✓ LonGPS.1	✓ LonI.1	✓ LATref		
	✓ LatGPS.2	✓ LatI.2	✓ LonGPS.2	✓ LonI.2	✓ LONref		
	✓ LatGPS.3		✓ LonGPS.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:

21:11 PQBETA.1 diverges from PQBETA.2  
 AlTRA.1 and GSGPS's are not operational.  
 TDM.1 and TDM.2 has erroneous data throughout the flight and should not be used.  
 PDLAPHaref, PDBETAref, PQALPHaref, PQBETAref, and DPJ\_WSZ are not provided since \_AC file is not produced; all other 'C' fi

AOC GPS Dropwindsonde Log (updated June 2023)

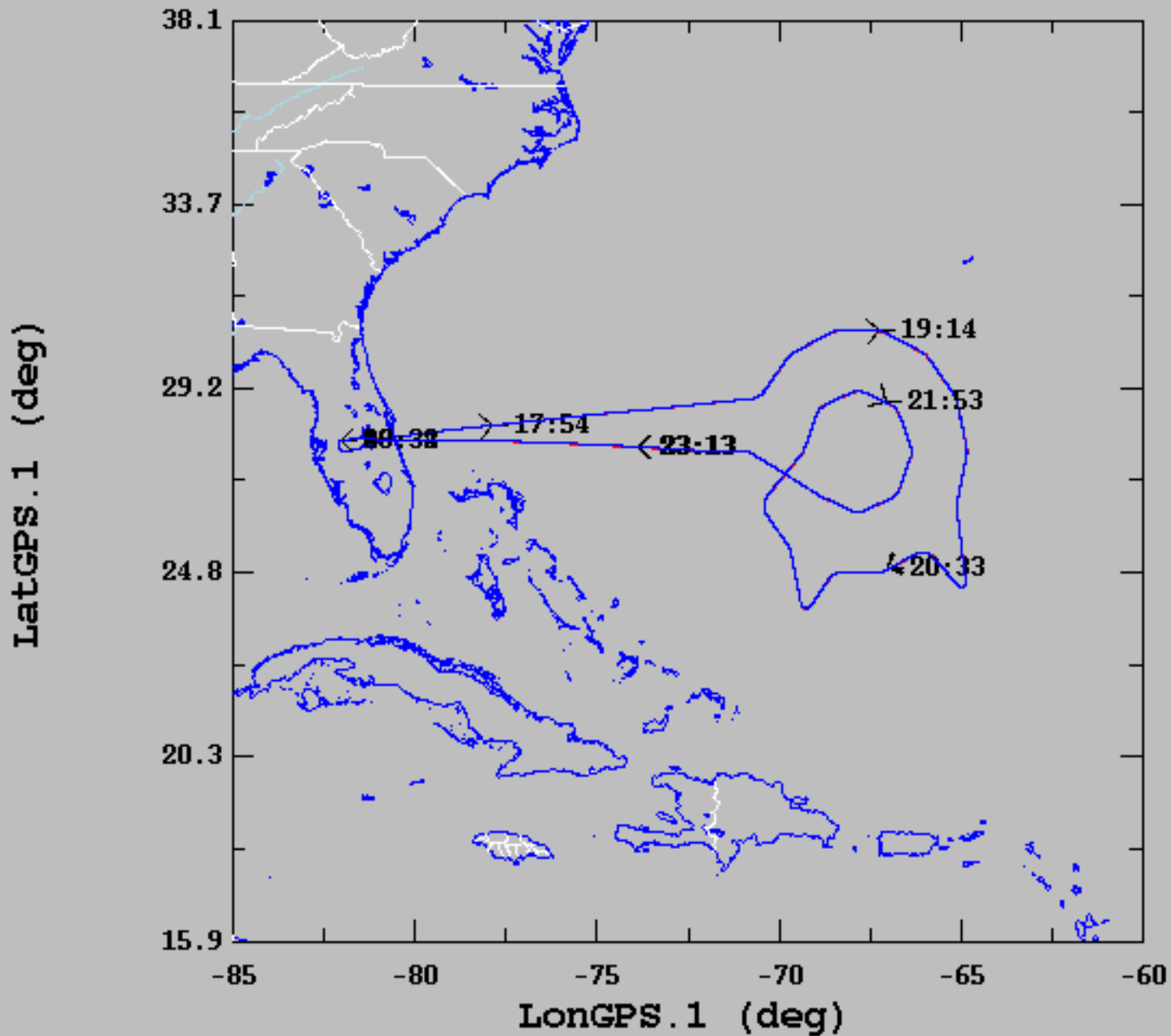
Flight ID: 20230913N2  
 Mission ID: 2613A LEE

ASPEN Operator/Flight Director(s): FLAHERTY / de Solo  
 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	1746	30931	1	28.2	-79.0	FEW	1013.6		1814	N
2	2	1756	41040	2	28.3	-77.6	FEW	102.3		1822	N
3	/	1805	/	3	/	/	FEW	/	NO PTU	/	Y
4	3	1806	50055	4	28.5	-76.1	FEW	101.5	BACK UP	1826	N
5	4	1815	50040	1	28.6	-74.7	SCT	1010.7		1843	N
6	5	1825	10082	2	28.7	-73.3	BKN	108.7		1845	N
7	6	1835	20008	3	28.9	-72.0	OVC	1005.9		1937	N
8	7	1846	10060	4	29.0	-70.5	OVC	1004.0		1958	N
9	8	1856	20379	1	30.0	-69.6	OVC	1005.7		2000	N
10	9	1905	20728	2	30.6	-68.4	OVC	1005.9		2003	N
11	10	1914	50054	3	30.6	-67.1	OVC	1006.2		2005	N
12	11	1924	41043	4	30.0	-66.0	OVC	1003.8		2007	N
13	12	1935	10089	1	28.9	-65.1	OVC	101.4		2058	N
14	13	1947	10075	2	27.5	-64.8	OVC	997.9		2108	N
15	14	1957	20812	3	26.4	-65.1	OVC	999.7		2110	N
16	15	2014	10068	4	24.4	-64.9	BKN	1008.0		2122	N
17	16	2025	20731	1	25.2	-66.0	SCT	998.1		2141	N
18	17	2035	20618	2	24.8	-67.1	SCT	996.6		2145	N
19	18	2040	50018	3	24.7	-68.4	FEW	997.6		2147	N
20	19	2054	31508	4	23.9	-69.2	FEW	1002.2		2154	N
21	20	2107	11272	1	25.3	-69.7	SCT	997.3		2157	N
22	21	2117	30435	2	26.4	-70.4	OVC	997.7		2200	N
23	22	2130	30792	3	27.7	-69.3	OVC	/	DIED AT 864 mb	2222	Y
24	23	2139	10056	4	28.7	-68.8	OVC	992.1		2224	N
25	24	2147	30433	1	29.1	-67.8	OVC	992.0		2226	N
26	25	2156	30585	2	28.7	-66.7	OVC	989.5		2240	N
27	26	2205	10100	3	27.7	-66.3	OVC	983.0		2282	N
28	27	2214	30434	4	26.6	-66.7	OVC	978.7		2284	N
29	28	2223	10058	1	26.2	-67.8	OVC	980.1		2246	N
30	29	2232	10086	2	26.6	-68.8	OVC	986.1		2311	N
31	30	2249	20743	3	27.7	-70.8	BKN	1000.4		2318	N
32	31	2301	20651	4	27.7	-72.4	SCT	1004.9	LAST RPT	2327	N
33											
34											
35											
36											
37											
38											

09/13/2023, 16:34:57-24:32:54



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	27.66	1.48	23.91	30.62
— LongGPS.1 (deg), 1 s/sec	-72.64	5.93	-82.07	-64.81
— LatI.1 (deg), 1 s/sec	27.66	1.48	23.90	30.61
— LonI.1 (deg), 1 s/sec	-72.64	5.93	-82.07	-64.81