

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

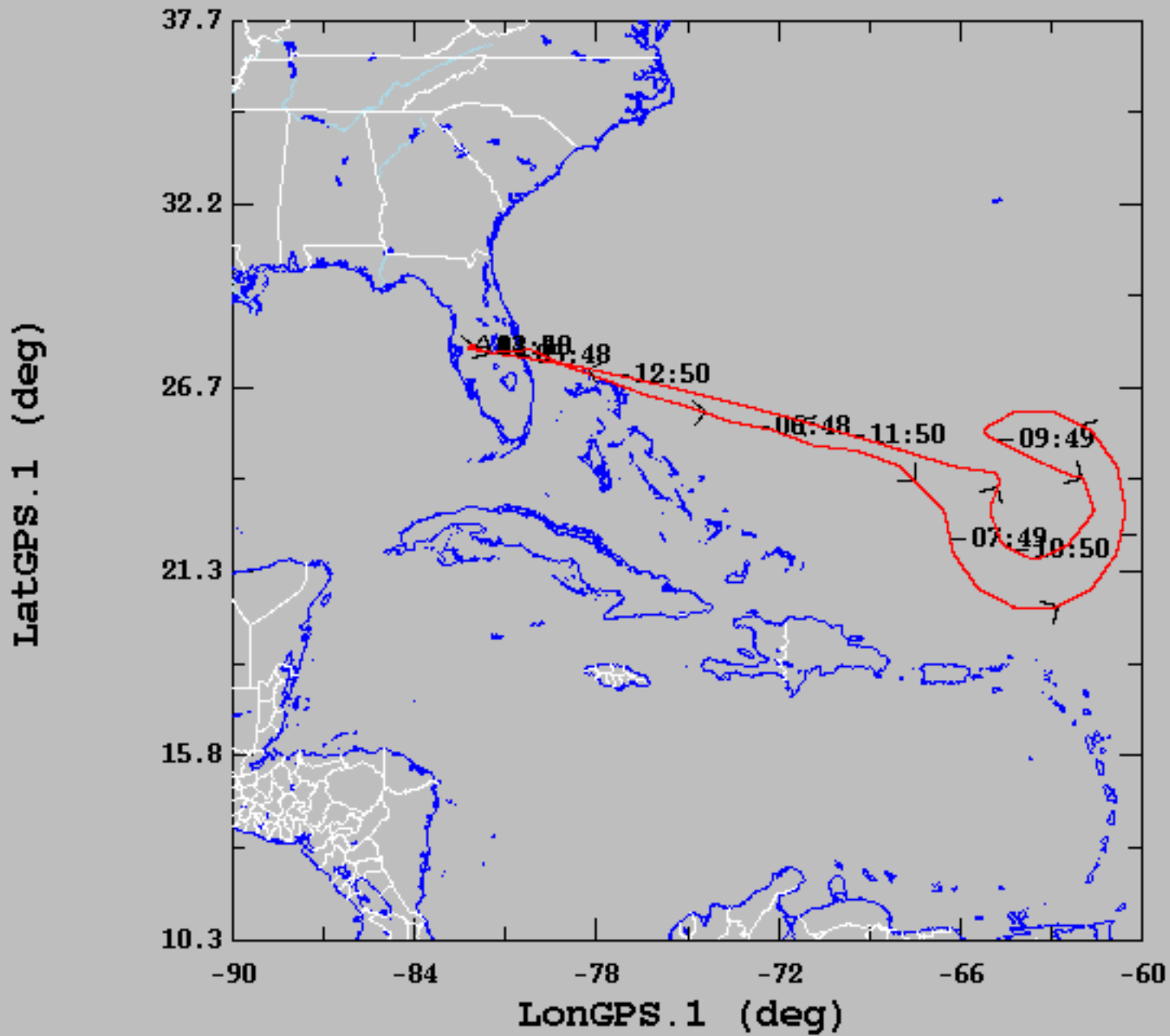
FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20230911N1	FLT #:		AC:	MANSOUR	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	0530	CP(s):	BHATNAGAR		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1330		COZART				30	6	30
Block Time		Flight Time		NAV:			ASOS Takeoff		BTs		
In:	1351	Land:	1345	FE(s):			A/C Land		Good	Bad	Sent
Out:	0525	T/O:	0535	FD(s):	HENNING TIMMERS	Visitors:	ASOS Land				
Total:	8.4	Total:	8.2	SSA:	MASCARD		Storm Number ID: (ie: AL072012)				
Sponsoring Org:	NHC			SEB:	PATEL	TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)		NOAA9 1513A LEE			
Program:	PHS			MX:		OBSERVATIONS					
Purpose:	Synoptic Surv HURRICANE LEE						Fix Number	Obs Number	Fix Time	SLP	

AS REQUIRED BY ORM	Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP
VOLCANIC ASH		x		1			
SCIENCE MISSION WITHIN BDYR LAYER				2			
LACK OF PRECIPITATION				3			
RELATIVE HUMIDITY ≥ 80%				4			
LARGE AIR-SEA TEMP GRADIENT							
HIGH SURFACE WINDS							
LONG FETCH / DURATION OF SFC WND							
SEA SALT ACCRETION FORECAST							
SEA SALT ACCRETION OBSERVED							
				Pennies:			

\*Highlighted items must be completed before departure.

Remarks: MISSED OB POINT # 6 (primary and backup sondes failed)

09/11/2023, 04:48:27-13:50:47



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.13	2.28	20.18	27.99
— LongGPS.1 (deg), 1 s/sec	-70.71	7.42	-82.21	-60.51

N49RF ERROR SUMMARY  
20230911N1

Flight ID: 20230911N1

Sensor or System	Number or Name
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.1
Vertical Accelerometer	AccZI.1
Altimeter	AltGPS.3
INE Selection	1
Differential Attack Pressure Probe	PDALPHA.1
Differential Sideslip Pressure Probe	PDBETA.1
Dynamic Attack Pressure Probe	PQALPHA.1
Dynamic Sideslip Pressure Probe	PQBETA.1

Flight Directory                      acdata/2023/MET/20230911N1

Local Met Data	Takeoff KLAL (0535Z)	Landing KLAL (1345Z)
Dynamic Corrections		Yes
AttackAngleIntercept		4.95911
AttackAngleSlope		5.43613
SlipAngleIntercept	1.06	
SlipAngleSlope		6.97813
AttackAngleIntercept2		5.01255
AttackAngleSlope2	5.40932	
SlipAngleIntercept2		0.72
SlipAngleSlope2		7.0494

Notes:

There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.

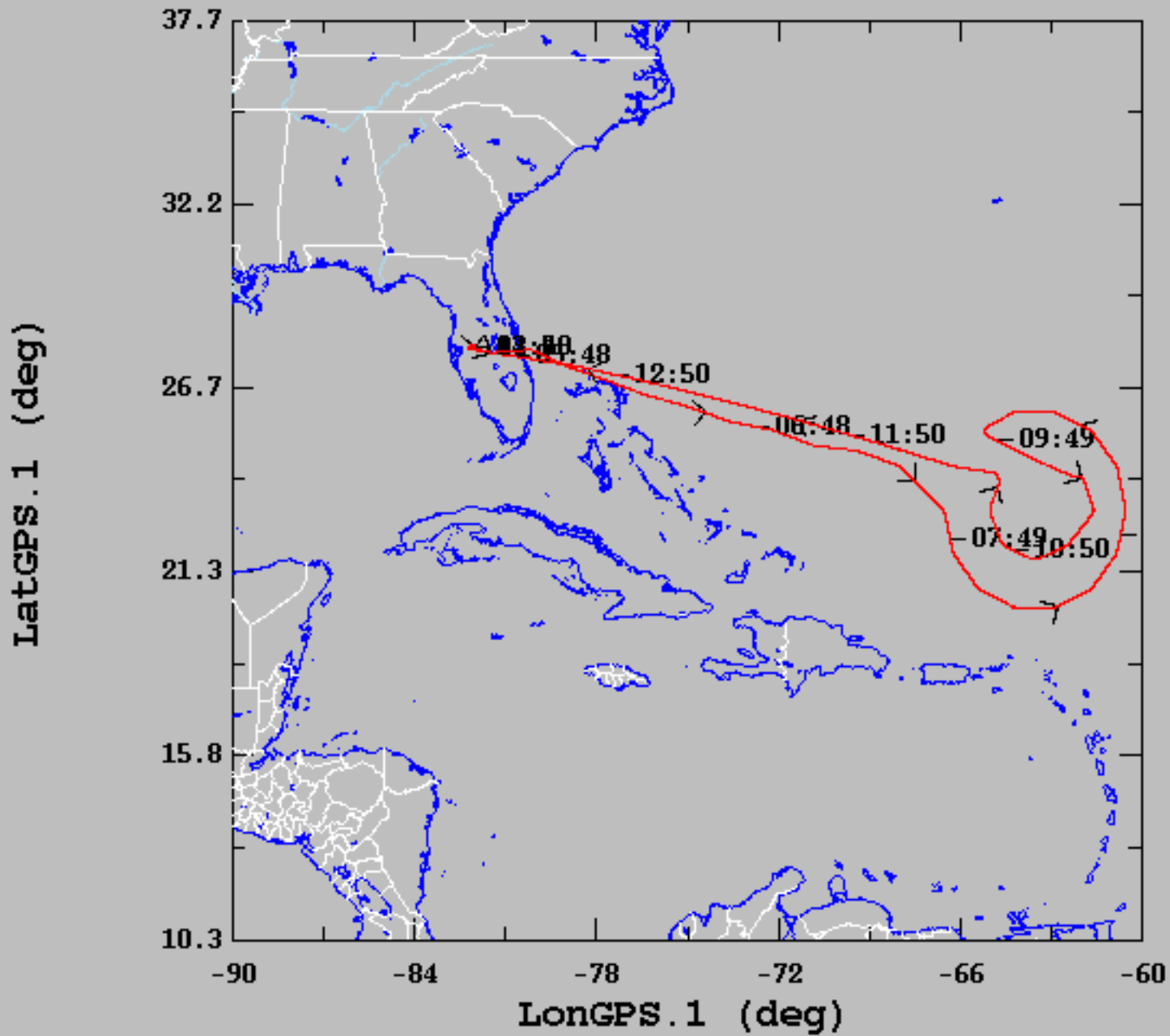
Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

Expendable Type	# deployed	# good	# transmitted
Dropsondes	36	30	30
Test sondes	0	0	0
AXBTS	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: HENNING  
Phone #: 8504990151

ACAT-4 Version = 7.4

09/11/2023, 04:48:27-13:50:47



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.13	2.28	20.18	27.99
— LonGPS.1 (deg), 1 s/sec	-70.71	7.42	-82.21	-60.51

AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: 20230911N1 ASPEN Operator/Flight Director(s): HENNING/TIMMERS

Mission ID: NOAA91513A LEE Storm Name/Track: Synoptic SURV HUR LEE PG      of     

Sonde #	Ob #	Launch Time HHMMSS (Z)	Sonde ID (min test S)	Ch # used	Lat (°N)	Lon (°E)	Prominent Wx Cond.	SFC Prs (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	1	065955	20018	1	27.4	79.1	DARK	1015.4	SURFACE WINDS 120/8	0618	✓
2	2	061054	10112	2	27.0	77.7		1014.7	135/9	0632	✓
3	3	062150	20025	3	26.5	76.3		1015.0	100/8	0642	✓
4	4	063226	21106	4	26.2	74.9	✓	1014.9	055/5	0651	✓
5	5	064319	11175	1	25.7	73.5		1015.1	045/6	0705	✓
6		0653		2			NO PTH		NO LAUNCH DETECT		F
7		0654		3			NO PTH		NO LAUNCH DETECT		
8		0704		4			NO PTH				
9	6	070518	20066	1	25.0	70.6		1013.3	040/14	0726	✓
10	7	071443	40329	2	24.9	69.4		1013.1	020/20	0737	✓
11	8	072600	10099	3	24.4	68.0		1011.1	020/16	0752	✓
12		0741		1			NO PTH				
13		0743		2			NO PTH				
14	9	074522	50589	4	22.7	66.4		1007.5	340/28	0805	✓
15	10	075308	20314	1	21.8	66.2		1007.5	330/25	0812	✓
16	11	080415	50407	2	20.7	65.3		1007.5	305/22	0824	✓
17	12	081450	10121	3	20.2	64.1		1006.4	275/24	0837	✓
18	13	082500	21111	4	20.2	62.8		1006.0	305/18	0844	✓
19	14	083500	50755	1	20.8	61.6		1006.4	240/30	0853	✓
20	15	084510	50593	2	21.8	60.8		1005.5	170/32	0906	✓
21	16	085550	20317	3	23.1	60.5		1025.5	135/32	0922	✓
22	17	090627	50591	4	24.4	60.8		1007.1	115/33	0926	✓
23	18	091641	21173	1	25.4	61.6		1008.0	080/37	0937	✓
24	19	092644	20014	2	26.0	62.9		1009.9	085/23	0950	✓
25	20	093652	20030	3	26.0	64.2		1009.4	050/29	1000	✓
26	21	094634	20015	4	25.4	65.1	CDO	1008.2	035/39	1008	✓
27	22	100635	20318	1	24.6	63.5	CDO	1001.8	040/48	1020	✓
28	23	101001	50592	2	24.2	62.4	CDO	996.3	075/62	1029	✓
29	24	102120	21175	3	23.2	61.6	CDO	999.7	LST WIND 13 125/51	1046	✓
30	25	103423	20315	4	22.0	62.5	CDO	995.4	200/47	1057	✓
31	26	104342	21171	1	21.6	63.5	CDO	999.5	255/33	1103	✓
32		1052		2			CDO		NO PTH		
33	27	105317	11174	3	22.1	64.6	CDO	1002.6	295/34	1120	✓
34	28	110206	11172	4	23.1	65.0	CDO	1002.6	345/36	1123	✓
35	29	111058	50429	1	24.1	64.7	CDO	1003.4	XMIT VIA TAG (015/38)	1139	✓
36	30	112253	50579	2	24.4	66.2	UCAST	1007.9	360/24	1146	LAST REPORT
37											
38											

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

COMMENTS:

Obs Xmitted 30 Missed 1 # of sondes launched 36 # of bad sondes 6