

N49RF ERROR SUMMARY
20230911N2

Flight ID: 20230911N2

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.2
Differential Sideslip Pressure Probe	PDBETA.2
Dynamic Attack Pressure Probe	PQALPHA.2
Dynamic Sideslip Pressure Probe	PQBETA.2

Flight Directory acdata/2023/MET/20230911N2

Local Met Data	Takeoff KLAL (1726Z)	Landing KLAL (0133Z)
Dynamic Corrections		Yes
AttackAngleIntercept		4.97461
AttackAngleSlope		5.40351
SlipAngleIntercept		6.22545
SlipAngleSlope		0.71
AttackAngleIntercept2		4.97461
AttackAngleSlope2	5.40351	
SlipAngleIntercept2		6.22545
SlipAngleSlope2		0.71

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	27	26	26
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Flaherty
Phone #: 8635003980

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20230911N2	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		26	1	26
In:	1:38	Land:	1:33	FE(s):					BTs		
Out:	17:18	T/O:	17:26	FD(s):	Flaherty		A/C Land		Good	Bad	Sent
Total:	8.3	Total:	8.1	SSA:	Defeo	Visitors:	ASOS Land		0	0	0
Sponsoring Org:	NHC			AVAPS:	Weinmann	Wanzer	Storm Number ID:		AL132023		
Program:	PHS			SEB:	Keller	Freeland	(ie: AL072012)				
Purpose:	Hurricane Lee			MX:			TCPOD/WSPOD Mission		NOAA9 1813A LEE		
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH						1 RECCO as LAST REPORT	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:	20230911N2
Flight Director(s)	Flaherty/de Solo

UWZ.d mean:	0.01
--------------------	-------------

Pressure Comparison		
	T/O	Land
Aircraft	1011.2	1011.7
Tower	1012.4	1012.3

	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			✓ TD.c ✓ TDMref	✓ TTMref ✓ TA.d
✓ Misc. (Must check)						X 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
<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:

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

222759052
7:40

AOC GPS Dropwindsonde Log (updated June 2023)

Flight ID: 20230911 N2
Mission ID: 18134 LEE

ASPEN Operator/Flight Director(s): FLAHERTY / DE SOLO
Storm Name/Track: HUR LEE SURV. PG of

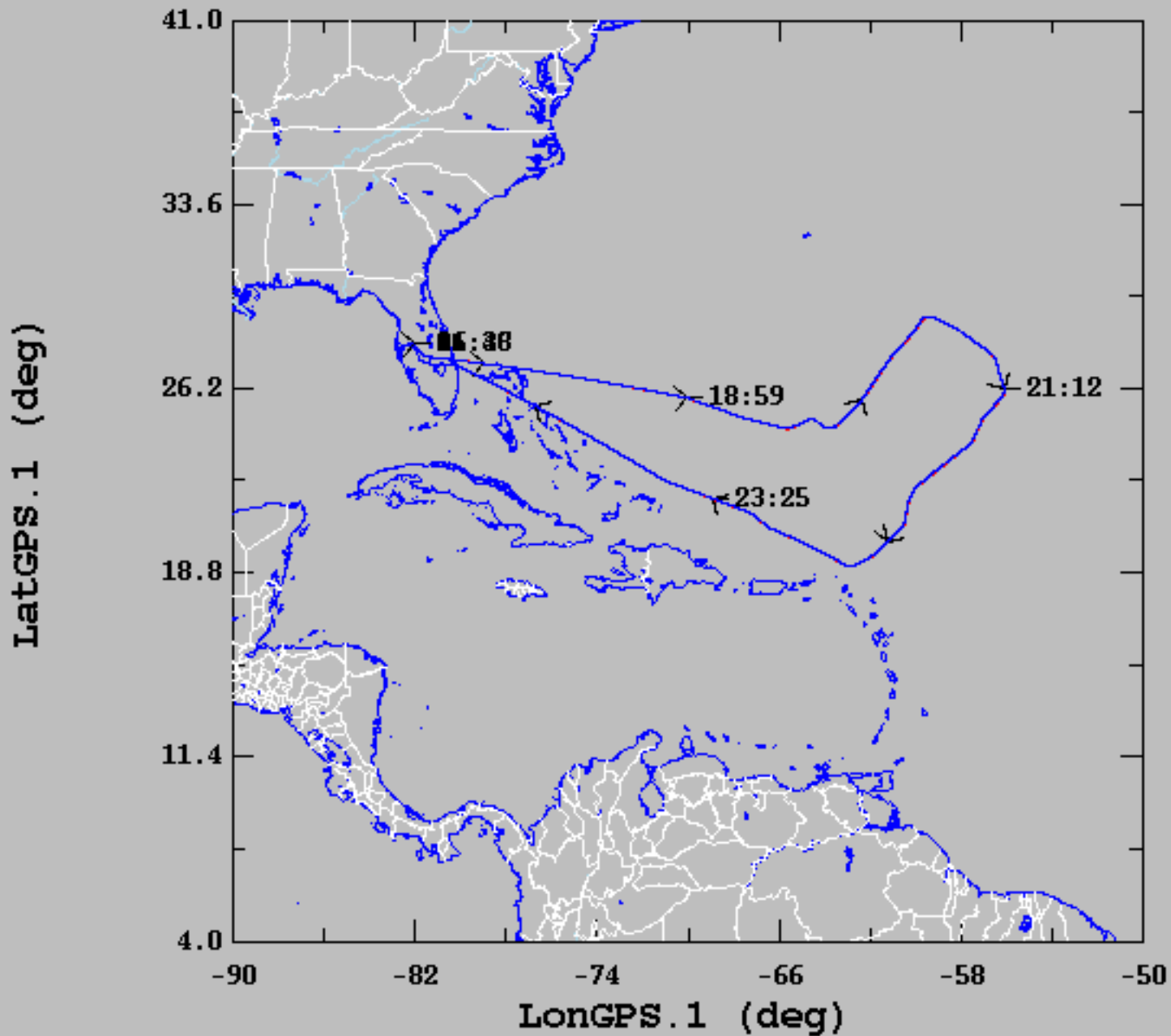
Sonde #	Ob #	Launch Time HHMMSS (Z)	Sonde ID (min last 5)	Ch # used	Lat (°N)	Lon (°W)	Prominent Wx Cond.	SFC Prs (mb)	Comments / Issues / QC / ASPEN Edits	KWBC #	Sonde Issues?
1	1	1900	50426	1	25.8	70.0	BKN	1011.2	Post SPLASH DATA RMVD	1931	Y
2	2	1920	40632	2	25.0	67.4	OVC	1004.9	Post SPLASH DATA RMVD	1939	Y
3	3	1936	31218	3	24.6	65.5	OVC	1000.2		2000	N
4	4	1945	20051	4	24.9	64.5	OVC	997.2	Post SPLASH DATA RMVD	2007	Y
5	5	1952	40498	1			OVC		Sonde TERMINATED AT 300 mb		Y
6	5	2004	31110	2	25.5	62.5	OVC	1006.4		2026	N
7	6	2014	30246	3	26.6	61.7	OVC	1009.9	Post SPLASH DATA RMVD	2042	Y
8	7	2023	50540	4	27.5	61.0	BKN	1013.0	" " " "	2105	Y
9	8	2033	30709	1	28.5	60.0	SCT	1014.9		2109	N
10	9	2039	50005	2	29.0	59.4	FEW	1015.9		2113	2
11	10	2050	31106	3	28.5	58.0	SCT	1015.6		2116	2
12	11	2102	60074	4	27.5	56.5	OVC	1014.7		2130	2
13	12	2114	30388	1	26.0	56.0	OVC	1014.5		2150	2
14	13	2125	20064	2	24.9	57.0	OVC	1014.0		2157	2
15	14	2134	40867	3	24.0	57.5	OVC	1013.6		2203	2
16	15	2143	40875	4	24.0	57.5	OVC	1012.0		2207	2
17	16	2158	50748	1	24.1	60.0	OVC	1010.3		2220	2
18	17	2216	30747	2	20.2	61.0	OVC	1009.1		2239	2
19	18	2225	30749	3	19.5	61.8	OVC	1010.1		2257	2
20	19	2234	50574	4	19.0	62.8	OVC	1009.5		2259	2
21	20	2242	30550	1	19.5	63.8	DARK	1008.7		2303	2
22	21	2252	30744	2	20.0	64.8	"	1008.4		2336	2
23	22	2304	60078	3	20.6	66.3	"	1007.2		2342	2
24	23	2312	40611	4	21.2	67.2	"	1008.4		2348	2
25	24	2321	50755	1	21.6	68.4	"	1008.9		2004	2
26	25	2330	30534	2	22.0	69.5	"	1009.8		2008	N
27	26	2342	40608	3	22.5	71.0	"	1010.8		2013	2
28									RELCO CB 27 LAST REPORT		
29											
30											
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

NG WI
*

09/11/2023, 16:46:53-25:38:35



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.11	2.66	19.05	29.09
— LongGPS.1 (deg), 1 s/sec	-69.70	8.53	-82.23	-56.06
— LatI.1 (deg), 1 s/sec	25.10	2.66	19.04	29.08
— LonI.1 (deg), 1 s/sec	-69.69	8.53	-82.24	-56.05