N49RF ERROR SUMMARY 20241106N1

Flight ID: 20241106N1

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.2
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/2024/MET/20241106N1

Local Met Data	Takeoff KLAL	(1934Z)	Landing KLAL (2249Z)
Dynamic Cor:	rections		Yes
AttackAngle:	Intercept		6.4652
AttackAngle	Slope		7.59375
SlipAngleIn [.]	tercept		0.925
SlipAngleSlo	ope		6.56381
AttackAngle:	Intercept2		4.97461
AttackAngle	Slope2		5.40351
SlipAngleIn [.]	tercept2		0.071
SlipAngleSlo	ppe2		6.22549

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	<pre># transmitted</pre>
Dropsondes	13	13	13
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 Flight Manifest

FLIGHT INFORMATION					CREW MANIFEST			MISSION INFORMATION								
FLT ID:	2024110	6N1	FLT #:				AC:	Bhatnagar	Other Crew:	sU	JAS		Dropsondes	3		
From:	KLAL		ETD:	0530Z / 013	0530Z / 0130L		0530Z / 0130L		CP(s):	Cozart		Туре	Released	Good	Bad	Sent
To:	KLAL		ETA:	1330Z / 093	30L		UI (8).			-	-					
	Block Time			Flight Time			NAV(s):			-	-	13	0	13		
Out:	18:2	5	T/0:	18:32			FE(s):			Other Exp	pendables	Dropso	nde Charge	Codes		
out.	10.20		1/ 0.	10.02			1 L(3).			Туре	Released		NWS			
ln:	21:5	5	Land:	21:49			FD(s):	Flaherty		-	-		AXBTs			
	21.00		Luna.	21.40			1 0(3).	Hathaway		-	-	Good	Bad	Sent		
Total:	3.5		Total:	3.3			SSA:	Defeo		-	-					
Total.	0.0		iotai.	0.0				Hollis		-	-					
Sponsi	oring Org:			NWS			IFT(s):	Santoni		Pen	nies		0			
Pro	igram:			PHS							m ID:	AL182024				
										(i.e., AL072012)		•				
Pur	rpose:		Hurrio	cane Rafael			MX:			Mission ID: (i.e., NOAA2 2418A SANDY) NOAA9 1418A		1418A R	AFAEL			
	AS RE	QUIRED	BY ORM		Υ	N		REMAR	KS	OBSERVATIONS						
	V	OLCANIC	ASH			х				Fix Number	Obs Number	Fix Time	!	SLP		
	SCIENCE MISS	SION WIT	HIN BDRY	/ LAYER		х				1						
	LACK (OF PREC	IPITATION		Х					1						
	RELATIV	E HUMIC	01TY ≥ 809	%		х				_						
	LARGE AIR	-SEA TEI	MP GRADI	ENT		х				2						
	HIGH	SURFAC	E WINDS		Х					,						
I	LONG FETCH / DURATION OF SFC WND				х				3							
	SEA SALT ACCRETION FORECAST				х											
	SEA SALT A	CCRETIC	ON OBSER	RVED						4						
									*	Highlighted items	must be complet	ed before de	eparture.			

G-IV QC Checklist

Overall Assessment No instrument issues noted.

Flight ID:	20241106N1
Flight Director(s):	Flaherty/Hathaway
Mission:	Tasked/Operational
UWZ.d mean:	

Pressure Comparison					
Pre-flight Post-flight					
Aircraft					
Airfield	1009.7	1009.6			

This form uses: _A.nc

Parameters			Raw		Derived, Cor	rected & Reference
✓ Acceleration	AccAXI.1	AccAYI.1	AccAZI.1	AccZI.1	✓ AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2	AccZI.2		
	AccAXI.3	AccAYI.3	AccAZI.3	AccZI.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	INOP AltRA.1		ALTGA.d	
Ground Speed	GsXI.1	GsYI.1	GsZI.1	☑ GsGPS.1	☑ GSXref	
	GsXI.2	GsYI.2	GsZI.2	☑ GsGPS.2		
	GsXI.3	GsYI.3	GsZI.3			
	GsXGPS.1	GsYGPS.1	GsZGPS.1			
	☑ GsXGPS.2	GsYGPS.2	✓ GsZGPS.2			
Location	☑ LatGPS.1	Latl.1	LonGPS.1	Lonl.1	✓ LATref	
	LatGPS.2	Latl.2	LonGPS.2	Lonl.2	✓ LONref	
	✓ LatGPS.3	Latl.3	LonGPS.3	Lonl.3		
✓ Pressure Sensors	PDALPHA.1	PQALPHA.1	PQM.1	PSM.1	☑ PQMref	
	PDALPHA.2	PQALPHA.2	PQM.2	PSM.2	PQ.c	
	NOP PDBETA.1	X PQBETA.1			✓ PSMref	
	PDBETA.2	X PQBETA.2			PS.c	
✓ Air Speed	CasADDU.1	▼ TasADDU.1			IAS.d	TAS.d
Pitch / Roll	Pitchl.1	☑ PitchRateI.1	RollI.1	RollRatel.1	✓ PITCHref	
	Pitchl.2	PitchRatel.2	RollI.2	RollRatel.2	ROLLref	
	Pitchl.3	PitchRatel.3	RollI.3	RollRatel.3		
Temperature / Dewpoint	TTM.1	TTM.4	X TDM.1		▼ TD.c	TTMref
	NOP TTM.2		TDM.2		▼ TDMref	TA.d
	TTM.3				X HUM	
X Wind					₩ Z.d	X WS.d
						X WD.d

	FLID_Mission_Documents.pdf:						
✓	Error Summary						
✓	Crew Manifest						
Y	QC Checklist						
Y	Dropwindsonde Log(s) - AVAPS and FD, if completed						
✓	Flight Track						

QC Key:

Valid

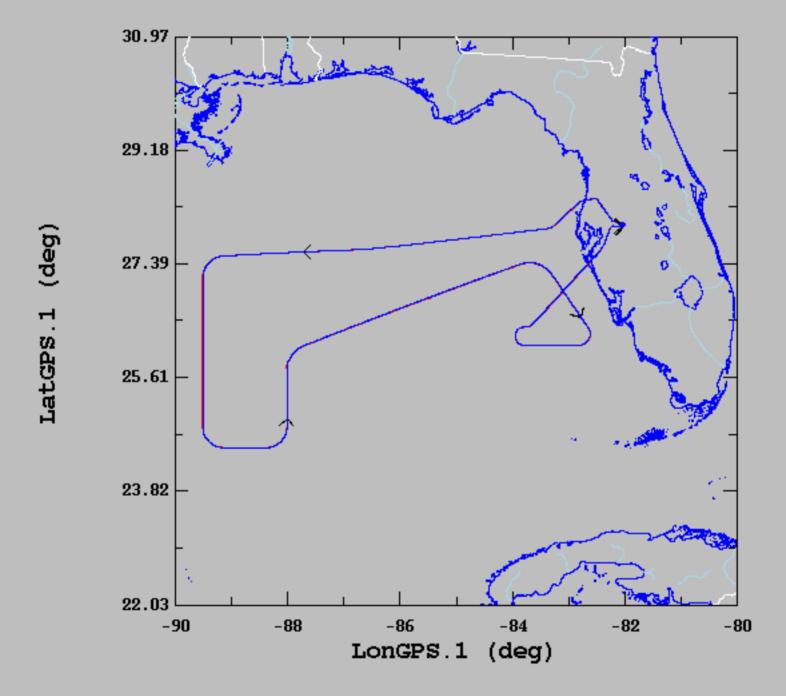
Errors (see NOTES)

Sensor Inoperative inop

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IN	n	T	_	. ``	

Flight level winds are removed due to known inconsistancies.

PQBeta.1 and PQBeta.2 are inoperable due to use of spare radome.



	.mean	зтупа	WITTI	max
LatGPS.1 (deq), 1 s/sec	27.12	1.02	24.50	28.42
LonGPS.1 (deq), 1 s/sec	-84.80	2.74	-89.50	-81.98
LatI.1 (deq), 1 s/sec	27.12	1.02	24.50	28.42
LonI.1 (deg), 1 s/sec	-84.80	2.74	-89.51	-81.98

AOC GPS Dropwindsonde Log $(updated\ June\ 2023D$

Fli	ght ID:			ASPEN Operator/Fli	ght Director(s):		
Missi	on ID:			Storm Name/Track			PG of
Sonde #	Ob #	Šæi}&@Time PPTTÙÙÁ(Z)	Sonde ID ChÁÀ ({ a) Áædi D *•^åÁ	Lat (°N) Lon (°W)	Prominent SFC F Wx Cond. (mb)		KWBC # Sonde Issues?
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