

N43RF ERROR SUMMARY
20240811I1_ES

Flight ID: 20240811I1

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	AccZfilterI-GPS.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/2024/MET/20240811I1

Local Met Data	Takeoff KLAL (1232Z)	Landing TBPB (1723Z)
Dynamic Corrections		Yes
AttackAngleIntercept		0.179211
AttackAngleSlope		5.88163
SlipAngleIntercept		0.15
SlipAngleSlope		6.89472

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.

Pitch and Roll I.3, TTM.3, and TDM.3 not operational.

TDM.2 yielded suspicious data between 1355 - 1442z and 1643 - 1704z.

SFMR data (all channel TB, WS, RAIN RATE) under assessment and should be used with caution.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	0	0	0
Test sondes	0	0	0
AXBTs	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Englert/Zawislak

Phone #: 863-606-6847

ACAT-4 Version = 7.4

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N43RF Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20240811I1	FLT #:		AC:	Doremus	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	0800L / 1200Z	CP(s):	Palmer	Marks, Frank	A/C Takeoff		Good	Bad	Sent
To:	TBPB	ETA:	1300L / 1700Z		Reeves	Sippel, Jason					
Block Time		Flight Time		NAV:	Miller / Meier		ASOS Takeoff		-	-	-
In:	17:28	Land:	17:24	FE(s):	Tyson / Wysinger				BTs		
Out:	12:00	T/O:	12:32	FD(s):	Zawislak		A/C Land		Good	Bad	Sent
					Englert						
Total:	5.5	Total:	4.9	SSA:	Richards, T	Visitors:	ASOS Land		-	-	-
				AVAPS:	Paul, S / Hollis		Storm Number ID:		N/A		
Sponsoring Org:	NWS				Carrion (MX)		(ie: AL072012)				
Program:	PRX				Diaz (MX)		TCP0D/WSP0D Mission		NOAA3 WXXWA TRAIN		
Purpose:	REPO TO TBPB			SEB:	Spayd (MX)		(ie: NOAA2 2418A SANDY)				
				MX:	Moreno (MX)		OBSERVATIONS				
AS REQUIRED BY ORM			Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X			1				
SCIENCE MISSION WITHIN BDYR LAYER				X							
LACK OF PRECIPITATION			X				2				
RELATIVE HUMIDITY ≥ 80%				X							
LARGE AIR-SEA TEMP GRADIENT				X			3				
HIGH SURFACE WINDS				X							
LONG FETCH / DURATION OF SFC WND				X			4				
SEA SALT ACCRETION FORECAST				X							
SEA SALT ACCRETION OBSERVED				X			Pennies:				
						*Highlighted items must be completed before departure.					
Remarks:											

P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - no mission impact.
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Flight ID:	2024081111
Flight Director(s):	Englert/Zawislak
Mission:	Ferry
UWZ.d mean:	-0.15

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft	1013.6	-
Airfield	1014.3	1007.0

This form uses:
_A.nc

SFMR Serial Unit	2
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Parameters	Raw				Derived, Corrected & Reference	
✓ Acceleration	✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI-GPS.1 ✓ AccAXI-GPS.2	✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI-GPS.1 ✓ AccAYI-GPS.2	✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI-GPS.1 ✓ AccAZI-GPS.2	✓ AccZfilter-GPS.1 ✓ AccZfilter-GPS.2	✓ AccZref	
✓ Altitude	✓ AltGPS.1 ✓ AltGPS.2 ✓ AltGPS.3 ✓ AltGPS.4	✓ AltI-GPS.1 ✓ AltI-GPS.2	✓ AltPaADDU.1 ✓ AltBCADDU.1	✓ AltRA.1 ✓ AltRA.2	✓ ALTref ✓ ALTPA.d ✓ ALTGA.d	✓ AltRA1.c ✓ AltRA2.c
✓ Ground Speed	✓ GsXI-GPS.1 ✓ GsXI-GPS.2	✓ GsYI-GPS.1 ✓ GsYI-GPS.2	✓ GsZI-GPS.1 ✓ GsZI-GPS.2		✓ GSXref ✓ GSYref ✓ GSZref	
✓ Location	✓ LatGPS.1 ✓ LatGPS.2 ✓ LatGPS.3 ✓ LatGPS.4	✓ LatI-GPS.1 ✓ LatI-GPS.2	✓ LonGPS.1 ✓ LonGPS.2 ✓ LonGPS.3 ✓ LonGPS.4	✓ LonI-GPS.1 ✓ LonI-GPS.2	✓ LATref ✓ LONref	
✓ Pressure Sensors	✓ PDALPHA.1 ✓ PDALPHA.2 ✓ PDBETA.1 ✓ PDBETA.2	✓ PQALPHA.1 ✓ PQBETA.1	✓ PQM.1 ✓ PQM.2 ✓ PQM.3 ✓ PQM.4	✓ PSM.1 ✓ PSM.2 ✓ PTM.1	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c	
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ IasADDU.1		✓ IAS.d ✓ TAS.d	
✓ Pitch / Roll	✓ PitchI.1 ✓ PitchI.2 inop PitchI.3	✓ PitchRatI.1 ✓ PitchRatI.2 inop PitchRatI.3	✓ RollI.1 ✓ RollI.2 inop RollI.3	✓ RollRatI.1 ✓ RollRatI.2 inop RollRatI.3	✓ PITCHref ✓ ROLLref	
✓ Temperature, Dewpoint, Radiometers	✓ TTM.1 ✓ TTM.2 inop TTM.3	✓ TDM.1 X TDM.2 inop TDM.3	✓ TRadD.1 ✓ TRadS.1 inop TRadU.1		✓ TD.c ✓ TDMref ✓ HUM	✓ TTMref ✓ TA.d
✓ Wind and Pressure ✓ SFMR	SFMR	X CH 1 TB X CH 2 TB X CH 3 TB	X CH 4 TB X CH 5 TB X CH 6 TB		✓ UWZ.d ✓ PSURF X WS SFMR	✓ WS.d ✓ WD.d X RAIN RATE SFMR

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

QC Key:	
Valid	✓
Errors (see NOTES)	X
Sensor Inoperative	inop

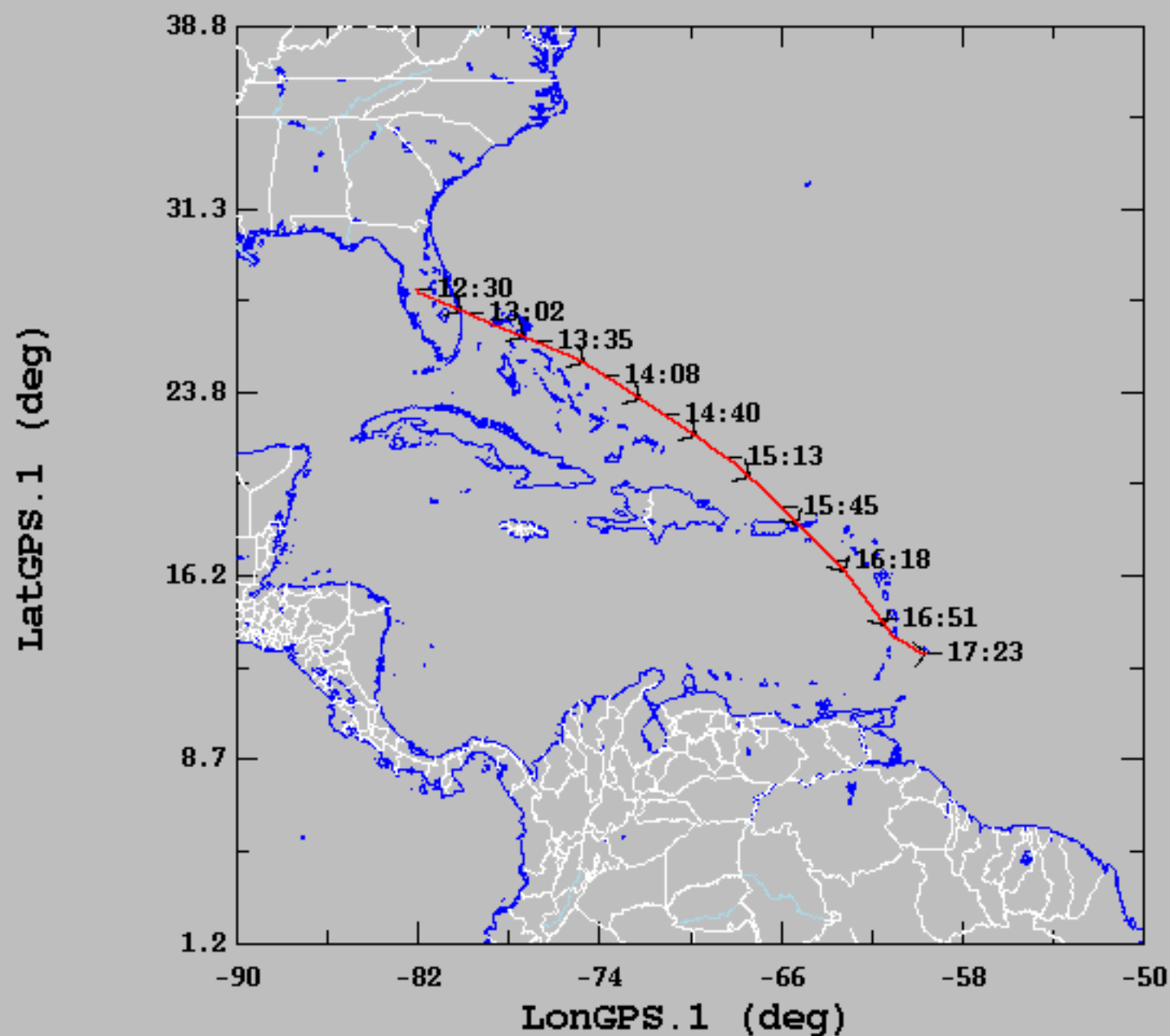
NOTES:

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08/11/2024, 12:30:20-17:23:46



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	21.34	4.63	13.03	27.99
LongGPS.1 (deg), 1 s/sec	-70.19	6.76	-82.03	-59.50