

N43RF ERROR SUMMARY
20241011I1_ES

Flight ID: 20241011I1

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/20241011I1

Local Met Data	Takeoff KMOB (1515Z)	Landing KLAL (1655Z)
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.

TRANSIT FLIGHT

Pitch and Roll I.3, TTM.3, TDM.3, and TRadU.1 not operational.

TDM.1 begins oscillation at 1515z and continues to produce erroneous data throughout remainder of the flight.

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/Carpenter

Phone #: 8636066847

ACAT-4 Version = 7.4

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2024101111	FLT #:		AC:	Rannanberg	Other Crew:	sUAS		Dropsondes		
From:	KMOB	ETD:	1100L / 1600Z	CP(s):	Palmer	Zhang, Jun (HRD)	Type	Released	Good	Bad	Sent
To:	KLAL	ETA:	1100L / 1600Z		Taraboletti	Wadler (HRD)					
Block Time		Flight Time		NAV(s):	Utama / Saunders						
Out:	15:08	T/O:	15:15	FE(s):	Ripp		Other Expendables		Dropsonde Charge Codes		
					Dittoe		Type	Released			
In:	17:02	Land:	16:55	FD(s):	Englert				AXBTs		
					Carpenter				Good	Bad	Sent
Total:	1.9	Total:	1.7	SSA:	Richards						
				IFT(s):	Underwood						
Sponsoring Org:		NHC				Brannigan		Pennies			
Program:		PRX						Storm ID: (i.e., AL072012)		NA	
Purpose:	REPO			MX:	Anello		Mission ID: (i.e., NOAA2 2418A SANDY)		WXWXA TRAIN		
					Spayd						
AS REQUIRED BY ORM			Y	N	REMARKS		OBSERVATIONS				
VOLCANIC ASH				X			Fix Number	Obs Number	Fix Time	SLP	
SCIENCE MISSION WITHIN BDRY LAYER				X			1				
LACK OF PRECIPITATION			X								
RELATIVE HUMIDITY ≥ 80%				X			2				
LARGE AIR-SEA TEMP GRADIENT				X							
HIGH SURFACE WINDS				X			3				
LONG FETCH / DURATION OF SFC WND				X							
SEA SALT ACCRETION FORECAST				X			4				
SEA SALT ACCRETION OBSERVED											
*Highlighted items must be completed before departure.											

P-3 QC Checklist

Overall Assessment	Minor instrument issue(s) - no mission impact.
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Flight ID:	2024101111
Flight Director(s):	Englert/Carpenter
Mission:	Ferry
UWZ.d mean:	0.06

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft	1014.5	-
Airfield	1014.9	-

This form uses:
_A.nc

SFMR Serial Unit	1
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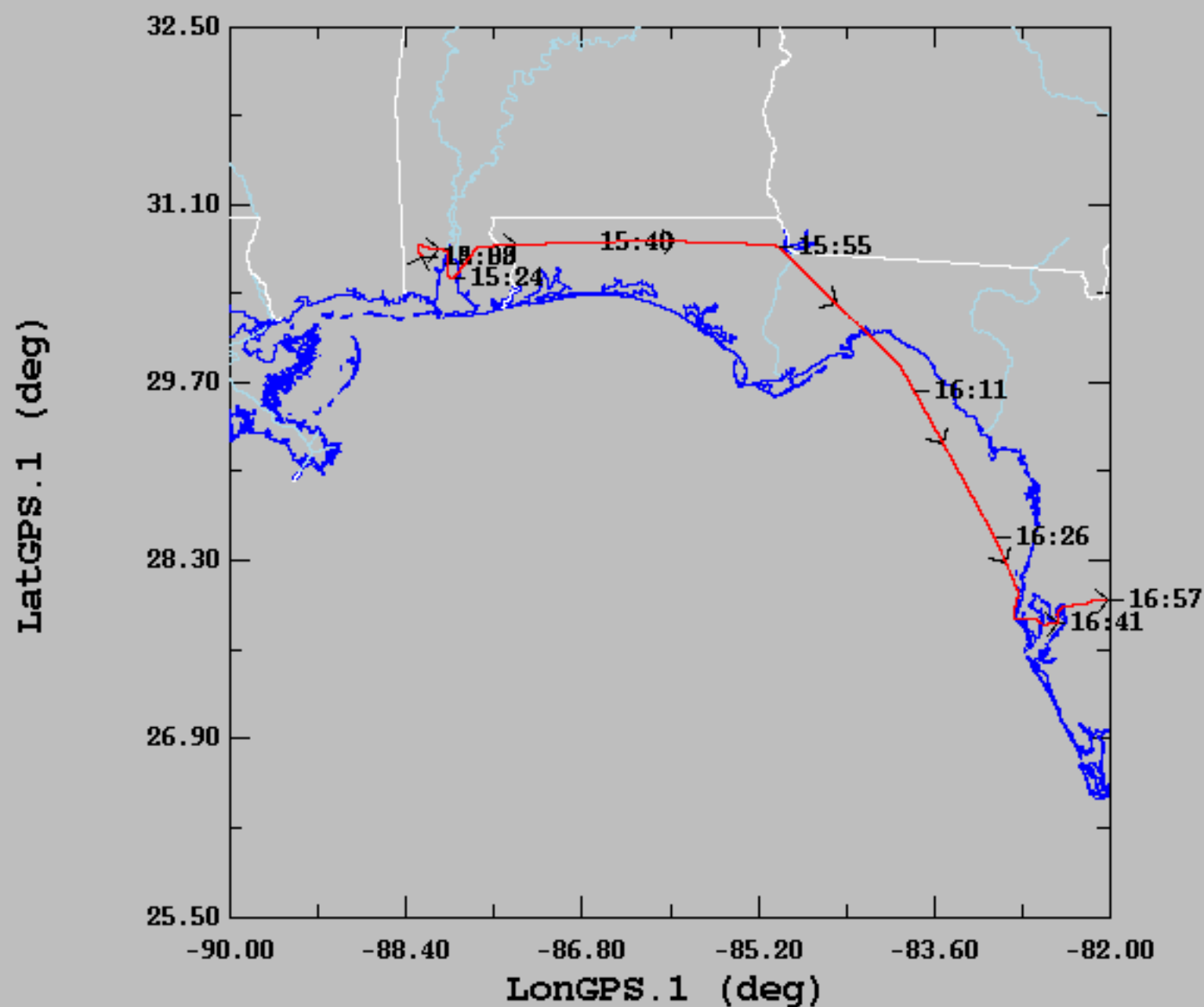
Parameters	Raw				Derived, Corrected & Reference	
✓ Acceleration	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1	✓ AccZfilter-GPS.1	✓ AccZref	
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2	✓ AccZfilter-GPS.2		
	✓ AccAXI-GPS.1	✓ AccAYI-GPS.1	✓ AccAZI-GPS.1			
	✓ AccAXI-GPS.2	✓ AccAYI-GPS.2	✓ AccAZI-GPS.2			
✓ Altitude	✓ AltGPS.1	✓ AltI-GPS.1	✓ AltPaADDU.1	✓ AltRA.1	✓ ALTref	✓ AltRA1.c
	✓ AltGPS.2	✓ AltI-GPS.2	✓ AltBCADDU.1	✓ AltRA.2	✓ ALTPA.d	✓ AltRA2.c
	✓ AltGPS.3				✓ ALTGA.d	
	✓ AltGPS.4					
✓ Ground Speed	✓ GsXI-GPS.1	✓ GsYI-GPS.1	✓ GsZI-GPS.1		✓ GSXref	
	✓ GsXI-GPS.2	✓ GsYI-GPS.2	✓ GsZI-GPS.2		✓ GSYref	
					✓ GSZref	
✓ Location	✓ LatGPS.1	✓ LatI-GPS.1	✓ LonGPS.1	✓ LonI-GPS.1	✓ LATref	
	✓ LatGPS.2	✓ LatI-GPS.2	✓ LonGPS.2	✓ LonI-GPS.2	✓ LONref	
	✓ LatGPS.3		✓ LonGPS.3			
	✓ LatGPS.4		✓ LonGPS.4			
✓ Pressure Sensors	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1	✓ PQMref	
	✓ PDALPHA.2	✓ PQBETA.1	✓ PQM.2	✓ PSM.2	✓ PQ.c	
	✓ PDBETA.1		✓ PQM.3	✓ PTM.1	✓ PSMref	
	✓ PDBETA.2		✓ PQM.4		✓ PS.c	
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1	✓ IasADDU.1		✓ IAS.d	✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1	✓ PitchRatI.1	✓ RollI.1	✓ RollRatI.1	✓ PITCHref	
	✓ PitchI.2	✓ PitchRatI.2	✓ RollI.2	✓ RollRatI.2	✓ ROLLref	
	inop PitchI.3	inop PitchRatI.3	inop RollI.3	inop RollRatI.3		
✓ Temperature, Dewpoint, Radiometers	✓ TTM.1	X TDM.1	✓ TRadD.1		✓ TD.c	✓ TTMref
	✓ TTM.2	✓ TDM.2	✓ TRadS.1		✓ TDMref	✓ TA.d
	inop TTM.3	inop TDM.3	inop TRadU.1		✓ HUM	
✓ Wind and Pressure		X CH 1 TB	X CH 4 TB		✓ UWZ.d	✓ WS.d
X SFMR	SFMR	X CH 2 TB	X CH 5 TB		✓ PSURF	✓ WD.d
		X CH 3 TB	X CH 6 TB		X WS SFMR	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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10/11/2024, 14:38:32-16:57:22



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	29.86	1.15	27.80	30.81
LongGPS.1 (deg), 1 s/sec	-85.63	2.36	-88.29	-82.01