

N43RF ERROR SUMMARY
20220826I1

Flight ID: 20220826I1

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/2022/MET/20220826I1

Local Met Data	Takeoff KLAL (1359Z)	Landing KLAL (0000Z)
Dynamic Corrections		Yes
AttackAngleIntercept		0.126754
AttackAngleSlope		5.36078
SlipAngleIntercept		0.2
SlipAngleSlope		6.67768

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.

PQM.1 trending ~10 mb high
TTM.2 oscillates ~ 3deg C
TTM.3 inop
TDM.1 oscillates ~3 deg C
TDM.2 flatlines between 15:29-15:46 followed by large spike
Humidity parameters suspect
No acft landing data

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	0	0	0
Test sondes	0	0	0
AXBTs	2	1	1
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Kalen / Carpenter

Phone #: 863-500-3962

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:	2022082611	FLT #:		AC:	Copare	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1400Z	CP(s):	Wood	Chang	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1700Z			Sapp			0	0	0
Block Time		Flight Time		NAV:	Utama	Jelenak	ASOS Takeoff		BTs		
In:	17:08	Land:	16:58	FE(s):	Pittman		A/C Land		Good	Bad	Sent
Out:	13:52	T/O:	13:59	FD(s):	Carpenter				1	1	1
Total:	3.3	Total:	3.0	SSA:	Richards	Visitors:	ASOS Land				
Sponsoring Org:		NESDIS		SEB:	de Solo		Storm Number ID:		N/A		
Program:		PND			Timmers		(ie: AL072012)				
Purpose:		NESDIS/IRAP Cal		MX:			TCPD/WSPD Mission		NOAA3 WXWXA TRAIN		
							(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1				
SCIENCE MISSION WITHIN BDRY 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:	0			
						*Highlighted items must be completed before departure.					
Remarks:											

P-3 QC Checklist

Flight ID:	20220826I1
Flight Director(s)	Kalen / Carpenter
UWZ.d mean:	0.1

Pressure Comparison		
	T/O	Land
Aircraft	1011.9	-
Tower	1012.3	1011.7

	Raw 1Hz Mean File Parameters					C File Parameters	
☒ Accelerometer	☒ 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		
☒ Lat / Lon	☒ 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	☒ PDALPHA.1	☒ PQALPHA.1	☒ PQM.1	☒ PSM.1	☒ PDLAPHaref	☒ PQMref	
	☒ PDALPHA.2	☒ PQBETA.1	☒ PQM.2	☒ PSM.2	☒ PDBETAref	☒ PQ.c	
	☒ PDBETA.1		☒ PQM.3	☒ PTM.1	☒ PQALPHaref	☒ PSMref	
	☒ PDBETA.2		☒ PQM.4		☒ PQBETAref	☒ PS.c	
☒ Air Speed	☒ CasADDU.1	☒ TasADDU.1	☒ IasADDU.1		☒ IAS.d	☒ TAS.d	
☒ Pitch / Roll	☒ PitchI.1	☒ PitchRateI.1	☒ RollI.1	☒ RollRateI.1	☒ PITCHref		
	☒ PitchI.2	☒ PitchRateI.2	☒ RollI.2	☒ RollRateI.2	☒ ROLLref		
	☒ PitchI.3	☒ PitchRateI.3	☒ RollI.3	☒ RollRateI.3			
☒ Temp / Dewpt	☒ TTM.1	☒ TDM.1	☒ TRadD.1		☒ TD.c	☒ TTMref	
	☒ TTM.2	☒ TDM.2	☒ TRadS.1		☒ TDMref	☒ TA.d	
	☒ TTM.3	☒ TDM.3	☐ TRadU.1				
☒ Misc. (Must check)					☒ UWZ.d	☒ WS.d	
					☒ DPJ_WSZ	☒ WD.d	
					☒ HUM		

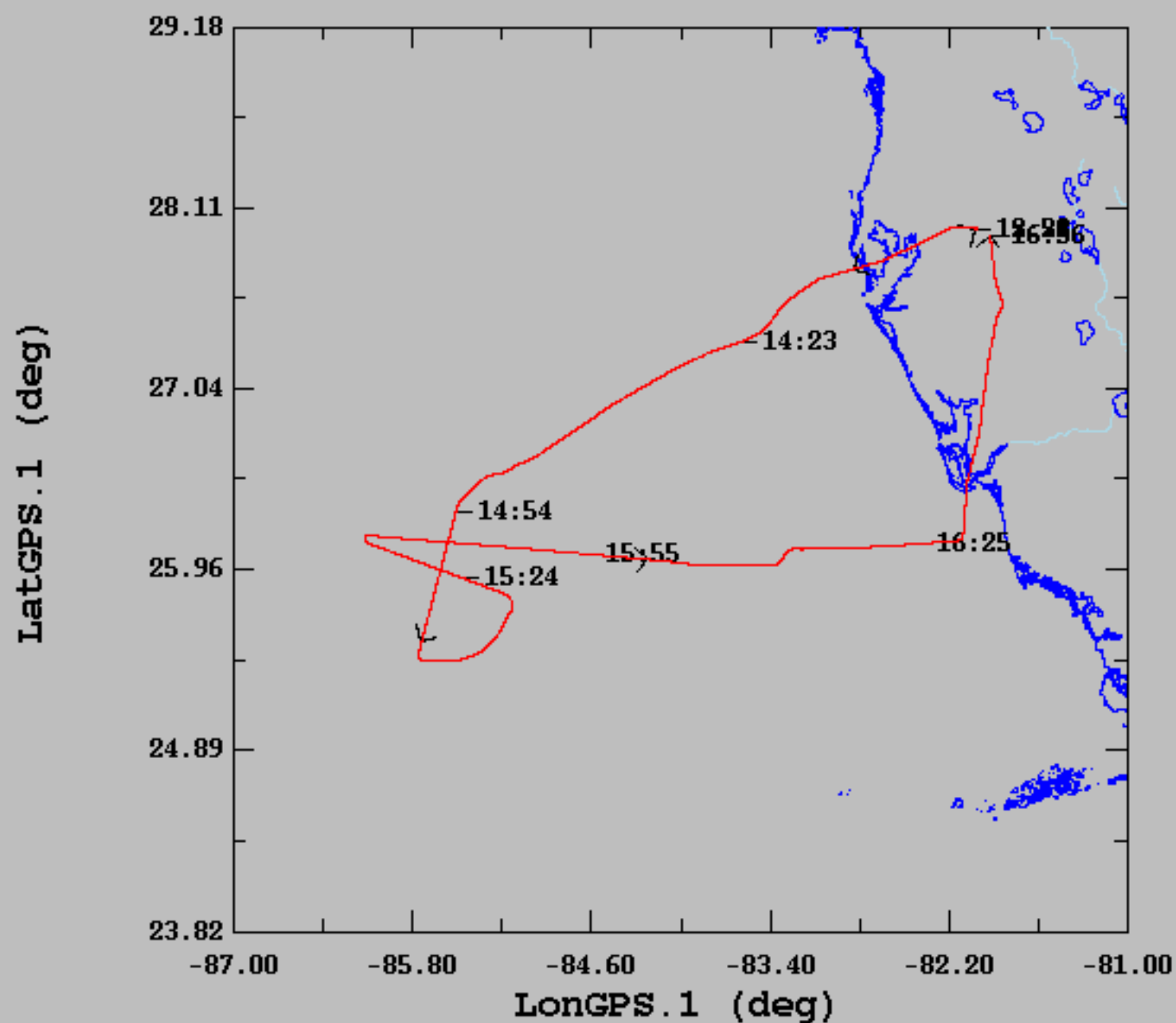
FLID_Mission_Documents.pdf:
☒ Error Summary
☒ Crew Manifest
☒ QC Checklist
☐ Dropwindsonde Log(s) - AVAPS and FD if completed
☒ Flight Track
☒ Miscellaneous FD Notes

QC Key	
Not checked	☐
Valid	☒
Errors (note)	☒

NOTES:

PQM.1 trending ~10 mb high
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08/26/2022, 12:21:42-16:56:12



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	27.04	0.91	25.42	27.99
LongGPS.1 (deg), 1 s/sec	-83.32	1.48	-86.11	-81.83