

N43RF ERROR SUMMARY
20220707I1

Flight ID: 20220707I1

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	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/20220707I1

Local Met Data	Takeoff KLAL (2203Z)	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 ~6 mb high

TTM.3 inop

TDM.1 large oscillations at high altitude at end of mission

TDM.2 more representative - changed to reference

TDM.3 inop

No Acft Landing Data

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	3	3	3
Test sondes	0	0	0
AXBTS	0	0	0
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 - N42RF Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	2022070711	FLT #:		AC:	Copare	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	2100Z	CP(s):	Keith		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0100Z					3	0	3	
Block Time		Flight Time		NAV:	Utama		ASOS Takeoff		BTs		
In:	0:54	Land:	0:48	FE(s):	Pittman		A/C Land		Good	Bad	Sent
Out:	21:55	T/O:	22:03	FD(s):	Kalen		ASOS Land		0	0	0
Total:	3.0	Total:	2.8	SSA:	Richards	Visitors:					
				AVAPS:	Dykeman						
Sponsoring Org:	AOC			SEB:			Storm Number ID:		N/A		
Program:	PSM						(ie: AL072012)				
Purpose:	SFMR Calibration							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:	20220707I1
Flight Director(s)	Carpenter / Kalen
UWZ.d mean:	0.04

Pressure Comparison		
	T/O	Land
Aircraft	1010.5	-
Tower	1011.6	1012.9

	Raw 1Hz Mean File Parameters					C File Parameters	
☒ Accelerometer	☒ AccAXI.1	☒ AccAYI.1	☒ AccAZI.1	☒ AccZfilter-GPS.1	☒ AccZfilter-GPS.2	☒ AccZref	
	☒ AccAXI.2	☒ AccAYI.2	☒ AccAZI.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	

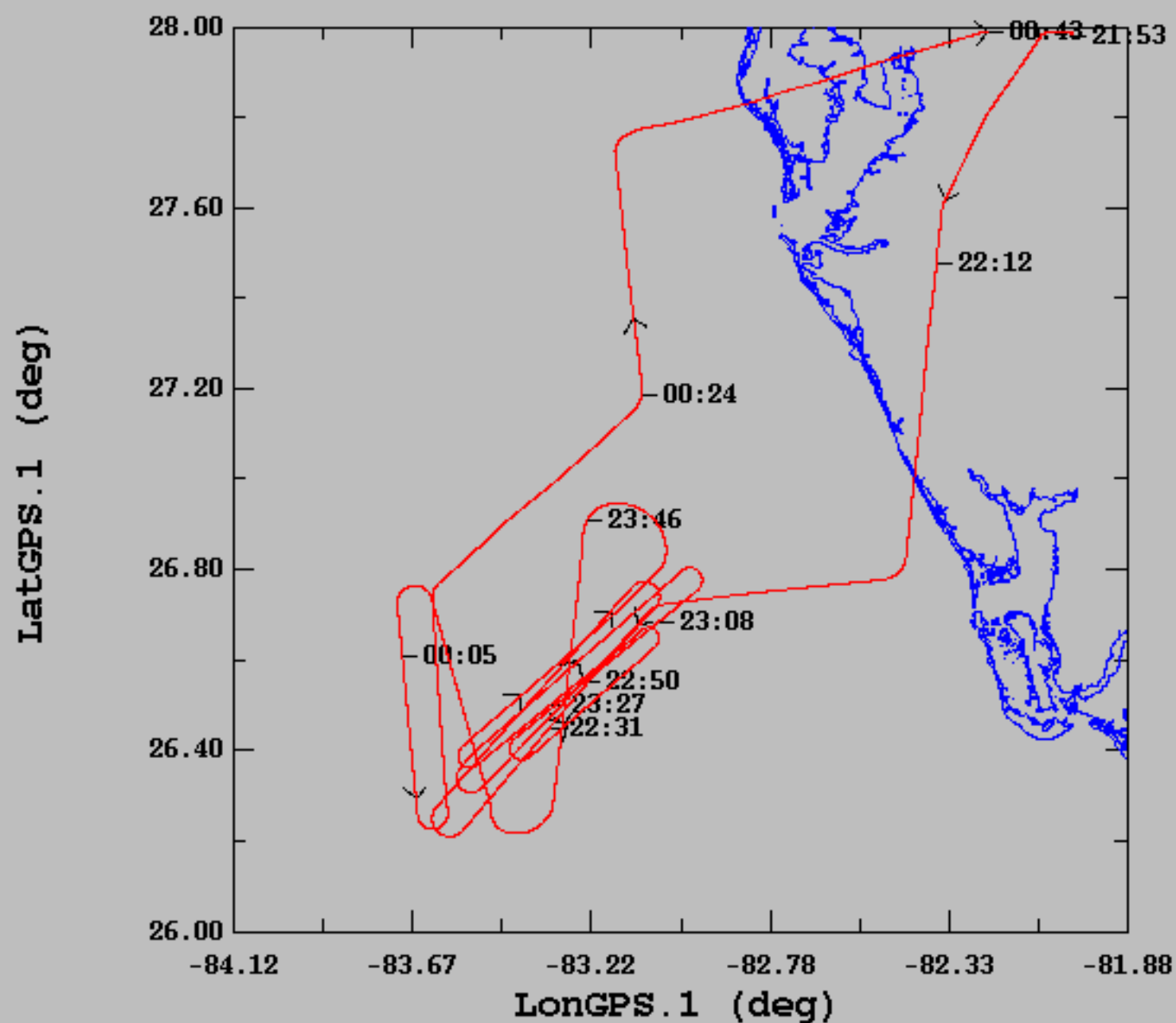
FLID_Mission_Documents.pdf:
☒ Error Summary
☒ Crew Manifest
☒ QC Checklist
☐ Dropwindsonde Log(s) - AVAPS and FD if completed
☒ Flight Track
☒ Miscellaneous FD Notes

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

NOTES:

PQM.1 trending ~6 mb high
 TTM.3 inop
 TDM.1 large oscillations at high altitude at end of mission
 TDM.2 more representative - changed to reference
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 No Acft Landing Data

2022-07-07, 21:53:03-24:43:56



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	26.88	0.55	26.21	27.99
LongGPS.1 (deg), 1 s/sec	-83.08	0.47	-83.71	-82.01