

N42RF ERROR SUMMARY
20211129H1

Flight ID: 20211129H1

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/2021/MET/20211129H1

Local Met Data	Takeoff KLAL (1815Z)	Landing KLAL (0000Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.307
AttackAngleSlope		6.07515
SlipAngleIntercept		0.237
SlipAngleSlope		7.04607
AttackAngleIntercept2		2.06219
AttackAngleSlope2		5.99068
SlipAngleIntercept2		0.125
SlipAngleSlope2		6.9873

Notes: There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.

TDM.2 inop
TRadU not used

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 -----	# 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: Parrish
Phone #: 863-500-3985

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:	20211129H1	FLT #:	1	AC:	Doremus	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1330	CP(s):	Keith		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1430					-	-	-	
Block Time		Flight Time		NAV:	Sloan / B. Richards		ASOS Takeoff		BTs		
In:	1940	Land:	1930z	FE(s):	Darby		A/C Land		Good	Bad	Sent
					Gee						
Out:	1807	T/O:	1816z	FD(s):	Parrish		ASOS Land		-	-	-
Total:	1.6	Total:	1.2	SSA:	T. Richards	Visitors:					
Sponsoring Org:		PSM		AVAPS:			Storm Number ID:		WXWXA TRAIN		
Program:		AOC		SEB:			(ie: AL072012)				
Purpose:	Nav Check / Fini-Flight			MX:			TCPD/WSPD Mission				
							(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:				

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

Flight ID:	20211129H1
Flight Director(s)	Parrish
UWZ.d mean:	0.27

Pressure Comparison		
	T/O	Land
Aircraft	1013.1	1010.9
Tower	1012.2	1011.5

	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		

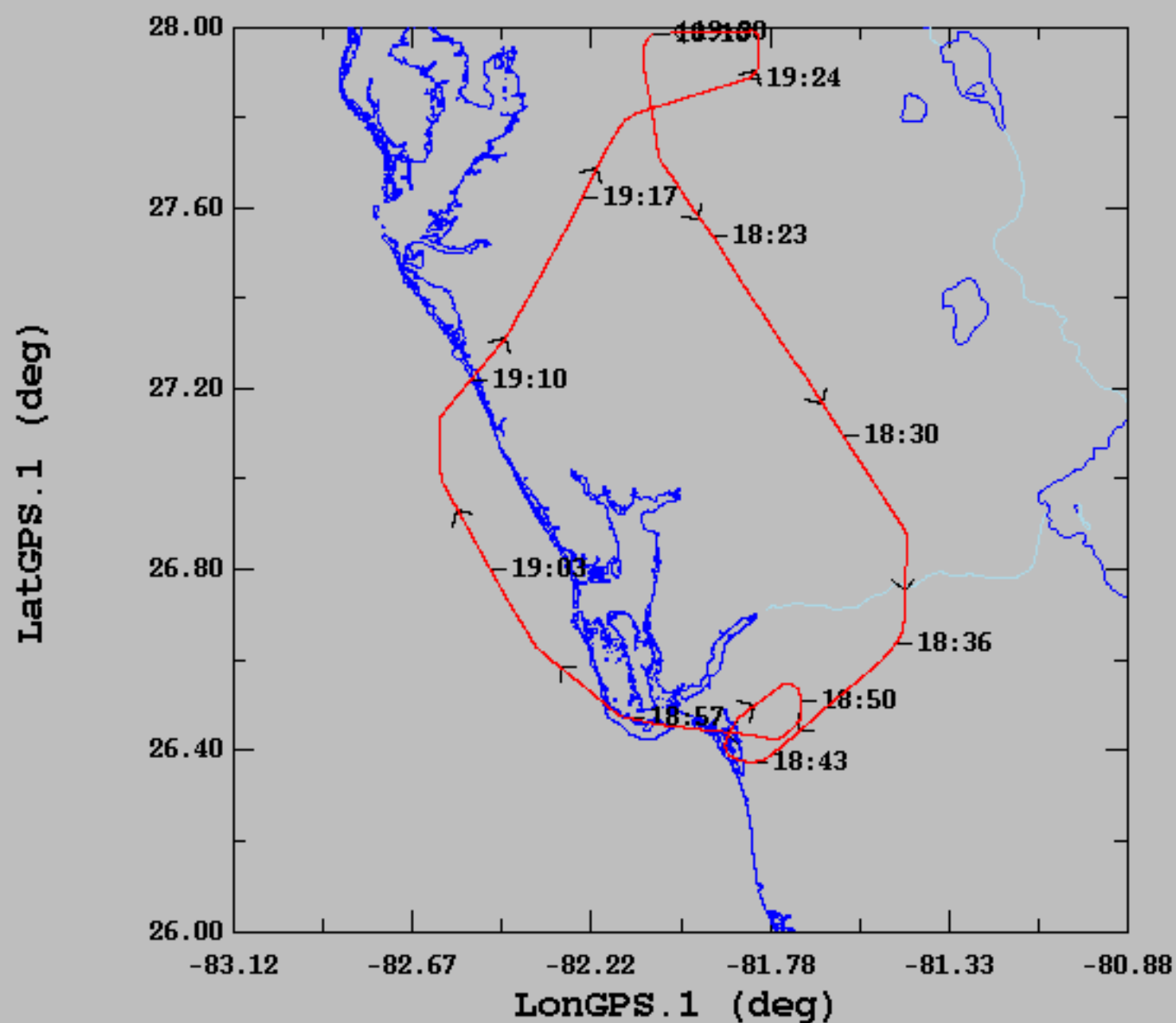
FLID_Mission_Documents.pdf:
☒ Error Summary
☒ Crew Manifest
☒ QC Checklist
☐ Dropwindsonde Log(s) - AVAPS and FD if completed
☒ Flight Track
☒ Miscellaneous FD Notes

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

NOTES:

TDM.2 inop
TRadU not used

11/29/2021, 18:16:41-19:30:48



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	27.11	0.56	26.38	27.99
LongGPS.1 (deg), 1 s/sec	-81.98	0.33	-82.60	-81.43