

N42RF ERROR SUMMARY
20210113H1

Flight ID: 20210113H1

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/20210113H1

Local Met Data	Takeoff KNHK (1814Z)	Landing KNHK (1919Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.27641
AttackAngleSlope		6.01899
SlipAngleIntercept		0.232
SlipAngleSlope		7.17429
AttackAngleIntercept2		2.06387
AttackAngleSlope2		6.01177
SlipAngleIntercept2		0.195
SlipAngleSlope2		6.67434

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.

Data terminates before landing, unable to get landing sfc press
AltGPS.1 & .2 and AltI-GPS.1 & 2, data starts intermittently stair
stepping at 18:52; becomes more pronounced at 18:59.

PQM.1 trending ~5 mb high

TDM.2 unrepresentative @ 20:06 through end of mission

TDM.3 inop

QC completed by Quinn Kalen

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: n/a
Phone #: 863-500-3962

ACAT-4 Version = 7.3

P-3 QC Checklist

Flight ID:	20210113H1
Flight Director(s)	N/A
UWZ.d mean:	0.12

Pressure Comparison		
	T/O	Land
Aircraft	1018.5	--
Tower	1019.2	1018.2

	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	

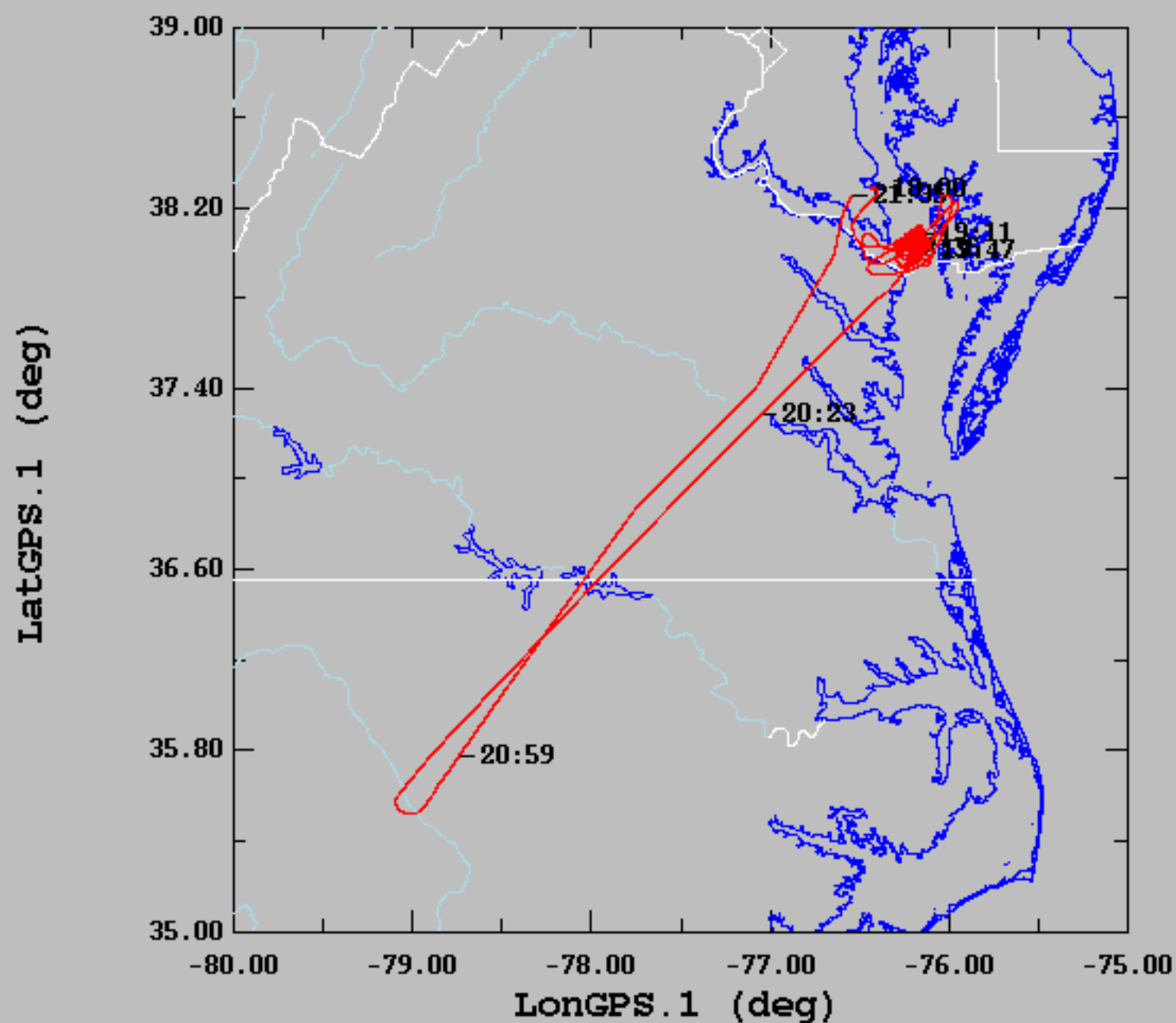
FLID_Mission_Documents.pdf:
☒ Error Summary
☐ Crew Manifest
☒ QC Checklist
☐ Dropwindsonde Log(s) - AVAPS and FD if completed
☒ Flight Track
☒ Miscellaneous FD Notes

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

NOTES:

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2021-01-13, 18:00:00-21:35:28



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	37.58	0.77	35.52	38.29
LongGPS.1 (deg), 1 s/sec	-76.80	0.88	-79.09	-75.94