Flight ID: 20190221N2

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	AccZI.2
Altimeter	AltGPS.2
INE Selection	2
Differential Attack Pressure Probe	PDALPHA.2
Differential Sideslip Pressure Probe	PDBETA.2
Dynamic Attack Pressure Probe	PQALPHA.2
Dynamic Sideslip Pressure Probe	PQBETA.2
Flight Directory	acdata/2019/MET/20190221N2

Local Met Data	Takeoff PHNL (1543Z)	Landing PHNL (0939Z)
Dynamic Corrections	Yes	
AttackAngleIntercept	3.97801	
AttackAngleSlope	3.86172	
SlipAngleIntercept	1.258	
SlipAngleSlope	6.69941	
AttackAngleIntercept2	5.04641	
AttackAngleSlope2	5.41847	
SlipAngleIntercept2	0.905	
SlipAngleSlope2	6.78464	

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.

Moisture and wind quantities unreliable. GPS.3 and TTM.2 inoperative. Flight Director was not aboard for real-time data analysis and thus _FDlog.dat, _serial.dat, _lp.txt, and _iwg.txt files are not available.

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 #: N/A

ACAT-4 Version = 7.2.2

APPENDIX 2 – GIV QC Checklist

Flight ID:	20190221N2
Flight Director(s):	Not aboard.

UWZ.d mean: ‾0.33 post-processing

Pressure Comparison		
	T/O	**Land**
Aircraft	1013.1	1014.9
Tower	PHNL 1543Z 1013.4	PHNL 2118Z 1014.4

	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1		✓ AccZref	
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2			
	✓ AccAXI.3	✓ AccAYI.3	✓ AccAZI.3			
✓ Altitude	✓ AltGPS.1	✓ AltI.1	✓ AltPaADDU.1	✓ AltBCADDU.1	✓ ALTref	
	✓ AltGPS.2	✓ AltI.2	✓ AltPaADDU.2	✓ AltBCADDU.2	✓ ALTPA.d	
	✗ AltGPS.3	✓ AltI.3	✓ AltRA.1		✓ ALTGA.d	
✓ Ground Speed	GsXI-GPS.1	✓ GsXI.1	✓ GsGPS.1	✓ GsXGPS.1	✓ GSXref	
	GsXI-GPS.2	✓ GsXI.2	✓ GsGPS.2	✓ GsXGPS.2	✓ GSYref	
	GsYI-GPS.1	✓ GsXI.3		✓ GsYGPS.1	✓ GSZref	
	GsYI-GPS.2	✓ GsYI.1	✓ GsZI.1	✓ GsYGPS.2		
	GsZI-GPS.1	✓ GsYI.2	✓ GsZI.2	✓ GsZGPS.1		
	GsZI-GPS.2	✓ GsYI.3	✓ GsZI.3	✓ GsZGPS.2		
✓ Lat/Lon	✓ LatGPS.1	✓ LatI.1	✓ LonGPS.1	✓ LonI.1	✓ LATref	
	✓ LatGPS.2	✓ LatI.2	✓ LonGPS.2	✓ LonI.2	✓ LONref	
	✗ LatGPS.3		✗ LonGPS.3			
✓ Pressure	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1	✓ PDALPHAref	✓ PQMref
	✓ PDALPHA.2	✓ PQALPHA.2	✓ PQM.2	✓ PSM.2	✓ PDBETAref	✓ PQ.c
	✓ PDBETA.1	✓ PQBETA.1			✓ PQALPHAref	✓ PSMref
	✓ PDBETA.2	✓ PQBETA.2			✓ 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	✓ TTM.4	✓ TDM.1		✓ TD.c	✓ TTMref
	✗ TTM.2		✓ TDM.2		✓ TDMref	✓ TA.d
	✓ TTM.3					
✓ Miscellaneous (must check)					✓ UWZ.d	✓ WS.d
					✓ DPJ_WSZ	✓ WD.d
					✓ HUM	

FLID_Mission_Documents.pdf:

✓	Error Summary
✗	Crew Manifest Not available.
✓	QC checklist
✗	Dropwindsonde Log(s) – AVAPS and FD if completed NO DROPS
✓	Flight Track
✗	Miscellaneous FD notes No FD aboard.

NOTES:

GPS.3 INOP

TTM.2 unavailable

2019-02-21, 15:15:15-21:21:40

LonGPS.1 (deg)

LatGPS.1 (deg)

	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	19.93	0.77	18.52	21.32
LonGPS.1 (deg), 1 s/sec	-160.31	2.01	-164.18	-157.74