

N49RF ERROR SUMMARY
20190217N1

Flight ID: 20190217N1

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/20190217N1

Local Met Data	Takeoff PHNL (0307Z)	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:	20190217N1
Flight Director(s):	Not aboard.

Pressure Comparison		
	T/O	Land
Aircraft	1013.4	1016.0
Tower	PHNL 0307Z 1013.8	PHNL 0940Z 1016.1

UWZ.d mean: -0.30 post-processing

	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:

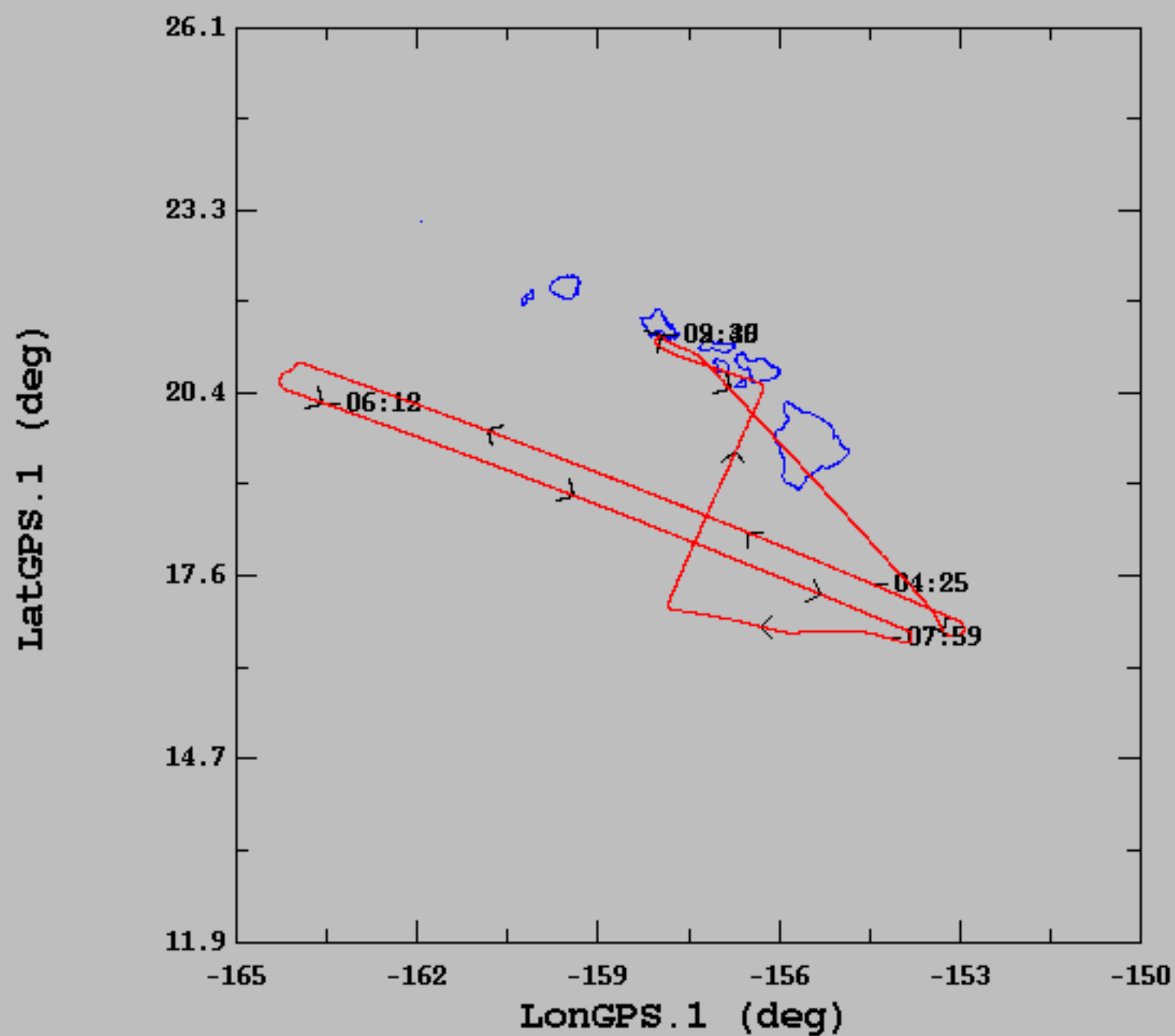
✓	Error Summary
✗	Crew Manifest Not available.
✓	QC checklist
✗	Dropwindsonde Log(s) – AVAPS and FD if completed NO DROPS
✓	Flight Track
✗	Miscellaneous FD notes No FD aboard.

NOTES:

- Moisture quantities unreliable.
- GPS.3 INOP
- PDbeta 1.2, PQbeta 1.2 offset
- TTM.2 unavailable

- Up to ~2mb offset PSM.1/1.2, greatest variation at altitude.

2019-02-17, 02:39:13-09:46:17



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	18.95	1.52	16.54	21.32
LonGPS.1 (deg), 1 s/sec	-157.67	2.79	-164.26	-152.91