

N49RF ERROR SUMMARY
20190211N2

Flight ID: 20190211N2

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/20190211N2

Local Met Data	Takeoff KOAK (2156Z)	Landing PHNL (0000Z)
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.

Reposition flight KOAK to PHNL for GRAV-D project. No Flight Director aboard for real-time data analysis and thus _FDlog.dat, _serial.dat, _lp.txt, and _iwg.txt files are not available. GPS.3 and TTM.2 unavailable. Moisture and wind quantities unreliable.

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:	20190211N2
Flight Director(s):	Not aboard.

Pressure Comparison		
	T/O	Land
Aircraft	1022	1008
Tower	KOAK 0156Z 1022.4	PHNL 0323Z 1007.3

UWZ.d mean: _____

	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	

inverted?

FLID_Mission_Documents.pdf:

TDM.1 and .2 are identical.

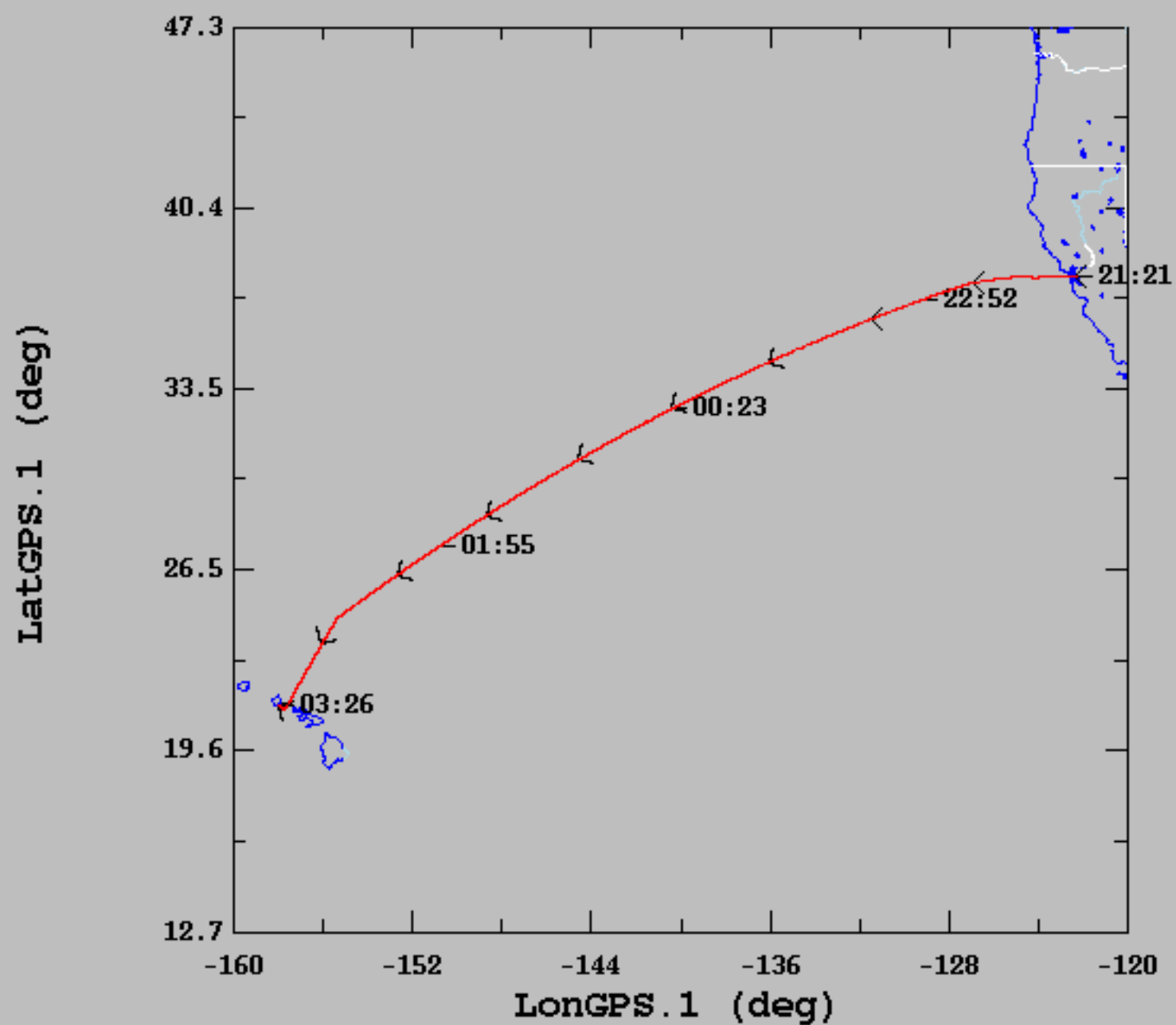
✓	Error Summary
✗	Crew Manifest Not available.
✓	QC checklist
✗	Dropwindsonde Log(s) – AVAPS and FD if completed NO DROPS
✓	Flight Track
✗	Miscellaneous FD notes No FD aboard.

NOTES:

- Following maintenance, reposition flight KOAK to PHNL.
- GPS.3 INOP
- PQBeta.1/.2 offset
- PSM.1/.2 offset
- RollI.3 mean 0.5 vs .1/.2 ~ 0.1
- TTM.2 unavailable
- Moisture quantities unreliable.

Variable misassociation has occurred with IAS.d and TAS.d.

2019-02-11, 21:21:10-27:26:17



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	31.52	5.23	21.18	37.79
LonGPS.1 (deg), 1 s/sec	-140.52	11.56	-157.94	-122.20