Flight ID: 20190222N2

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/20190222N2

Local Met Data   Takeoff PHNL (1613Z) Landing PHNL (2229Z)

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.

Training flight. 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. Momentary drop-out of AltPaADDU.1 around 1608Z, recovered shortly afterwards.

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:	20190222N2
Flight Director(s):	Not aboard.

UWZ.d mean: ‾0.27 post-processing

Pressure Comparison	T/O	Land
Aircraft	1013.0	1013.5
Tower	PHNL 1613Z 1013.4	PHNL 2230Z 1013.8

	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:

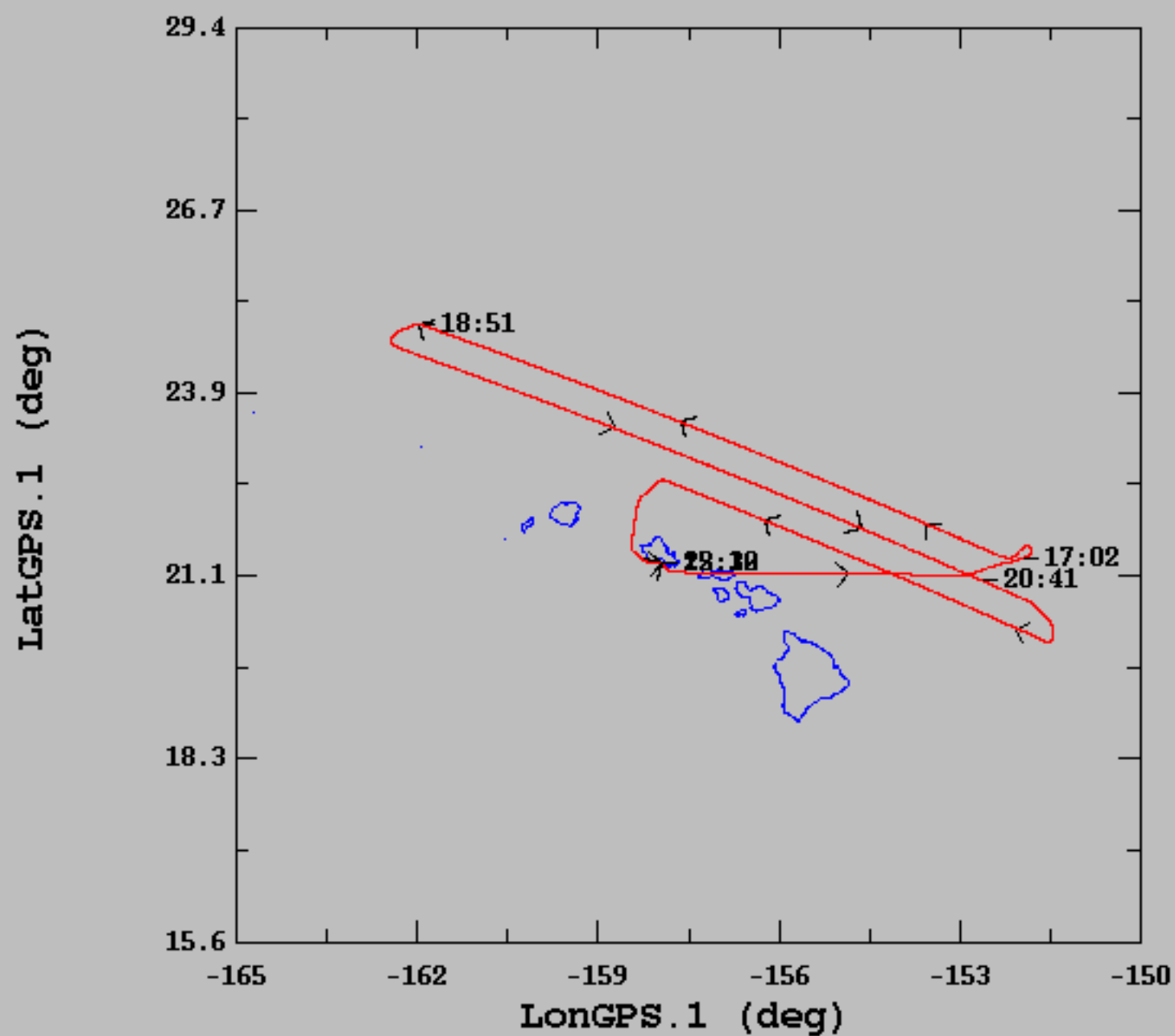|	
✓	Error Summary
✗	Crew Manifest Not available.
✓	QC checklist
✗	Dropwindsonde Log(s) – AVAPS and FD if completed NO DROPS
✓	Flight Track
✗	Miscellaneous FD notes No FD aboard.

NOTES:

GPS.3 INOP

AltPaADDU.1 temp failure 1608Z

TTM.2 unavailable

Moisture quantities unreliable.

2

2019-02-22, 15:12:50-22:30:48

	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	22.16	1.21	20.11	24.92
LonGPS.1 (deg), 1 s/sec	-156.53	2.77	-162.42	-151.44