N42RF ERROR SUMMARY
20180818H1

Flight ID: 20180818H1

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	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/2018/MET/20180818H1

Local Met Data Takeoff KLGB (1923Z) Landing PHNL (0226Z)

Dynamic Corrections	Yes
AttackAngleIntercept	2.31252
AttackAngleSlope	6.06758
SlipAngleIntercept	0.4295
SlipAngleSlope	7.17033

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.

PDAlpha.2 INOP. No impacts to real-time or post processed data. PDAlpha.1 was used as the source in both instances.

PQM.1 became unrepresentative at ~2200Z. No impacts to real-time or post processed data. PQM.2was used as the source in both instances.

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: Holmes
Phone #: 863-500-3983

ACAT-4 Version = 7.1

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION

FLT ID:	20180818H1	**FLT #:**	
From:	KLBG	**ETD:**	1500Z
To:	PHNL	**ETA:**	2100Z

Block Time		**Flight Time**	
In:	1 1830 2 0236	In:	0226
Out:	1 1733 2 1917	Out:	1924
Total:	1 1.0 2 7.3	Total:	7.0

Sponsoring Org:	EMC
Program:	PRX
Purpose:	Repo from KLBG enroute to PHNL (LANE)

CREW MANIFEST

AC:	Kibbey	**Scientists:**
CP(s):	Mitchell	
	Rossi	Carrion
Nav(s):	Richards (B)	Kragelka
	Sloan	Abitbol
FE(s)	Darby	Didier
	Lalonde	Sanchez
FD(s):	Holmes	Richards (T)
		Visitors:
SEB:	Greene	Peek
SSA:	Mascaro	
AVAPS:	Patel	

MISSION INFORMATION

Pressure		**Dropsondes**		
		Good	Bad	Sent
A/C Takeoff				
Wx Station Takeoff		**BTs**		
		Good	Bad	Sent
A/C Land				
Wx Station Land				

Storm Number ID: (ie: AL072012)	
TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)	NOAA2 WXWXA TRAIN

OBSERVATIONS

Fix Number	Obs Number	Fix Time	SLP

AS REQUIRED BY ORM	Y	N	REMARKS
VOLCANIC ASH		X	
SCIENCE MISSION WITHIN BDRY LAYER		X	
LACK OF PRECIPITATION	X		
RELATIVE HUMIDITY ≥ 80%		X	
LARGE AIR-SEA TEMP GRADIENT		X	
HIGH SURFACE WINDS		X	
LONG FETCH / DURATION OF SFC WND		X	
SEA SALT ACCRETION FORECAST		X	
SEA SALT ACCRETION OBSERVED		X	

Additional Remarks:

Cockpit Gmax: Gmin:

*Highlighted items must be completed before departure.

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180818H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1016	—
Tower	1016	—

UWZ.d mean: -0.04 m/s

	Raw 1Hz Mean File Parameters				C File Parameters	
✓ Accelerometer	AccAXI.1	AccAYI.1	AccAZI.1	✓ AccZfilter-GPS.1	✓ AccZref	
	AccAXI.2	AccAYI.2	AccAZI.2	✓ Acc-Zfilter-GPS.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		LatGPS.4			
✓ Pressure	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1	✓ PDALPHAref	✓ 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	✓ TasADDU.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			
✓ Miscellaneous (must check)					✓ UWZ.d	✓ WS.d
					✓ DPJ_WSZ	✓ WD.d
					✓ HUM	

FLID_Mission_Documents.pdf:

✓	Error Summary
✓	Crew Manifest
✓	QC checklist
X	Dropwindsonde Log(s) – AVAPS and FD if completed
✓	Flight Track
✓	Miscellaneous FD notes

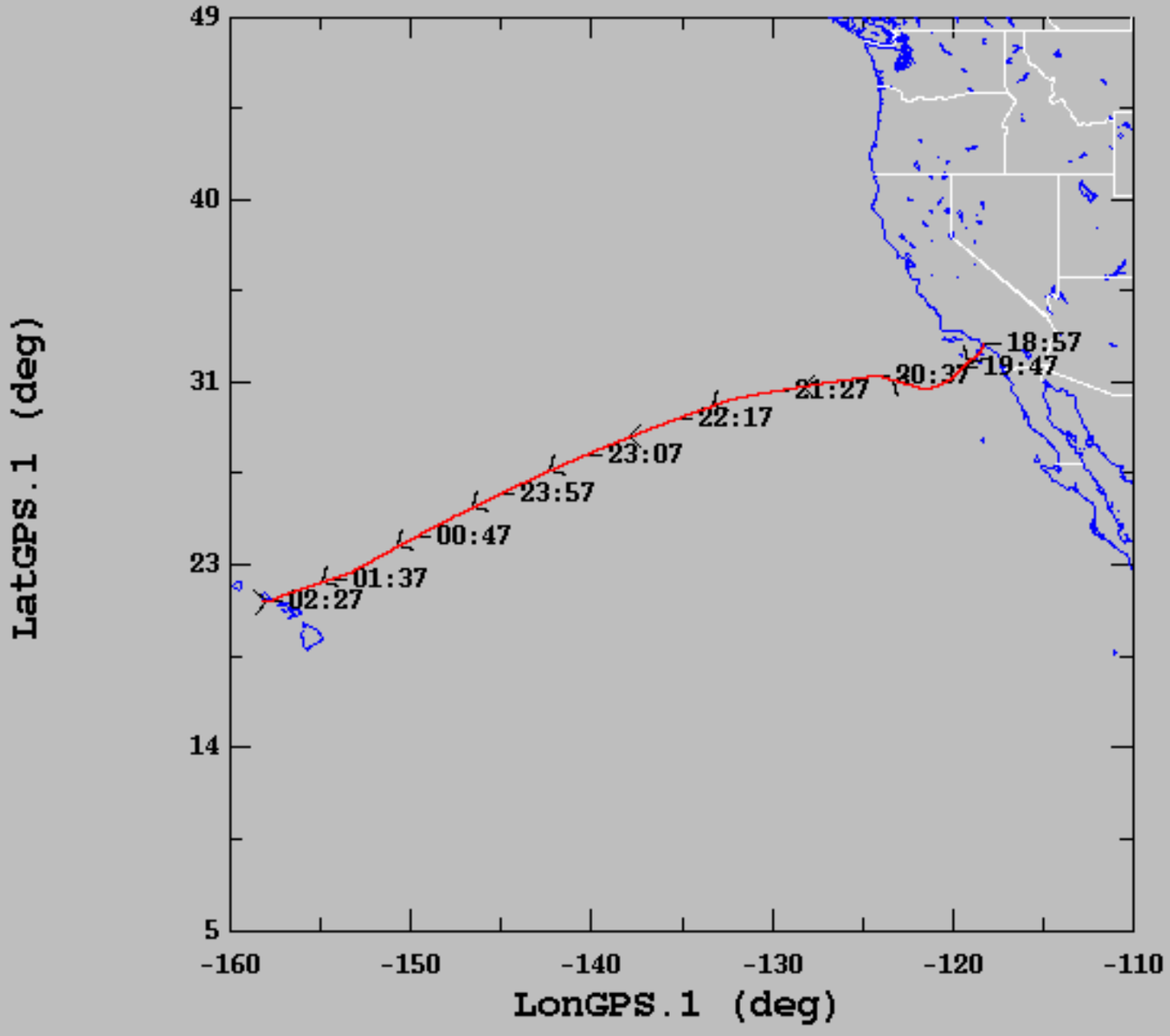
NOTES:

PDAlpha.2 InoP...

PQM.1 failed @ 2200Z. It did not recover. PQM.2 = Source

20180818H1 Flight Track

2018-08-18, 18:57:08-26:27:32



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	28.39	3.95	21.27	33.85
LonGPS.1 (deg), 1 s/sec	-137.38	12.75	-158.15	-118.14