

N42RF ERROR SUMMARY
20180719H1 Wind Cal

Flight ID: 20180719H1

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/20180719H1

Local Met Data	Takeoff KLAL (1351Z)	Landing KLAL (1932Z)
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.

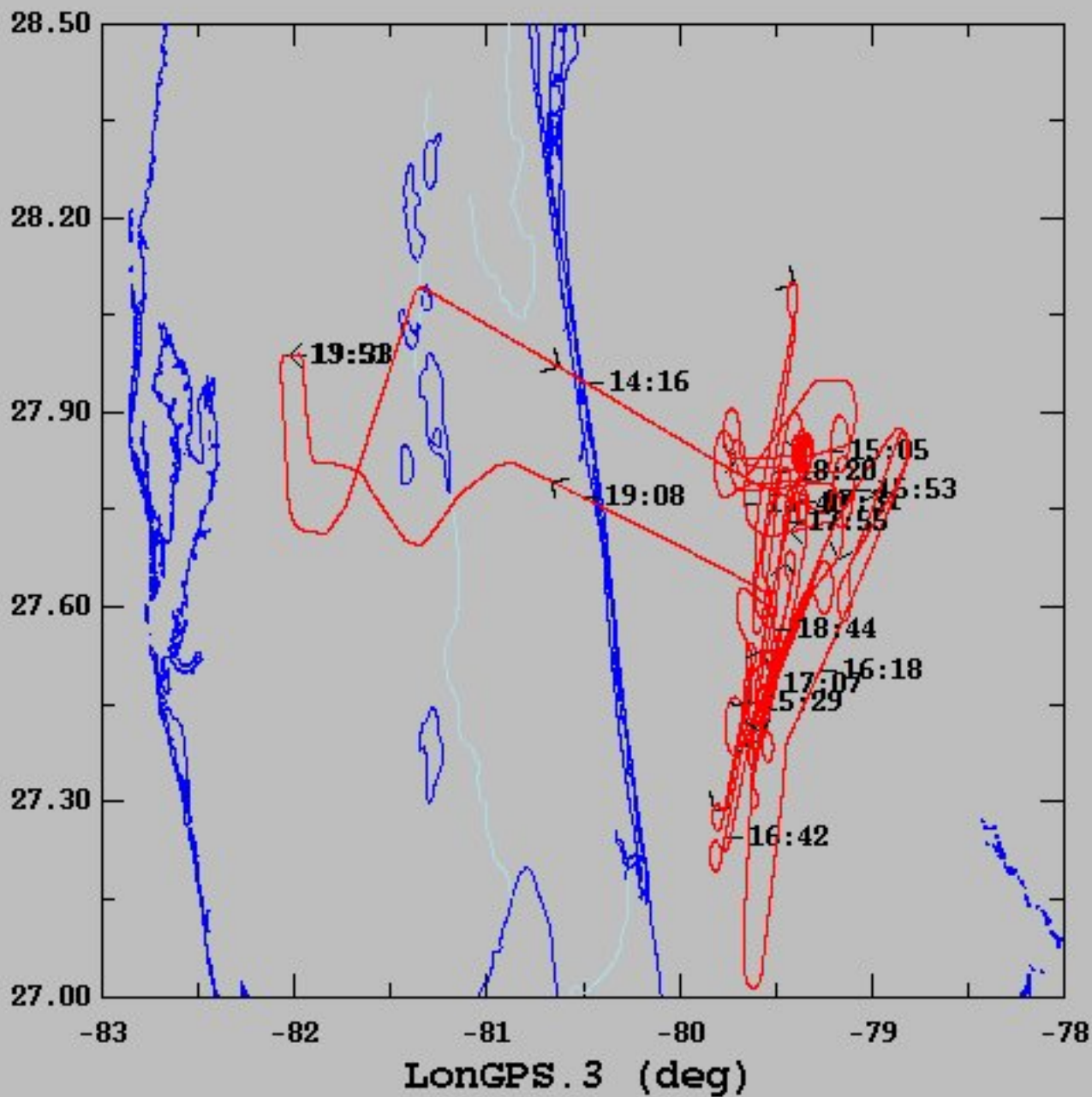
AAMPS froze at 1735z for two minutes. PDAlpha.2 still INOP.

Expendable Type	# deployed	# good	# transmitted
Dropsondes	3	3	3
Test sondes	0	0	0
AXBTS	0	0	0
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Henning
Phone #: (863) 500-3982

ACAT-4 Version = 7.1

07/19/2018, 13:51:51-19:33:22



1345z 30.02 28C
1950z 29.99 28C

S+41

19:31:50 LANDING

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20180719H1	FLT #:		AC:	ABITBOL	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1400Z	CP(s):			A/C Takeoff	1011.0	Good	Bad	Sent
To:	KLAL	ETA:	2000Z		DOREMUS		Wx Station Takeoff	1011.6	3	0	3
Block Time		Flight Time		Nav(s):	URATO		A/C Land	1008.2	BTs		
In:	1939	In:	1932	FE(s)	SANCHEZ LALONDE		Wx Station Land	1010.6	Good	Bad	Sent
Out:	1342	Out:	1351	FD(s):	HENNING	Visitors:	Storm Number ID:				
Total:	6.0	Total:	5.7	SEB:		(ie: AL072012)					
Sponsoring Org:	AOC			SSA:	MASCARO	TCPOD/WSPOD Mission		WXWXA TRAIN			
Program:	PSI			AVAPS:	RICHARDS	(ie: NOAA2 2418A SANDY)					
Purpose:	Wind Cal						OBSERVATIONS				
AS REQUIRED BY ORM			Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X							
SCIENCE MISSION WITHIN BDRY LAYER			X								
LACK OF PRECIPITATION				X							
RELATIVE HUMIDITY ≥ 80%			X		reboot MNR 1741						
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											

Additional Remarks:

*Highlighted items must be completed before departure.

Cockpit Gmax:

Gmin:

data system froze at 1735

Tools

MAINT
Select
MPL

Retrieve MFL & 20180719H1FD
Delete errors
Clear list
open retrieve only
Wow

TARPO
2747
7935

220/7

during
few 6k circles
240/8 VCTS
BKN 2SCB
BKN 7K

APPENDIX 1 – P3 QC Checklist

PSM#2

Flight ID:	20180719H1
Flight Director(s):	HENNING

Pressure Comparison		
	T/O	Land
Aircraft	1011.0	1008.2
Tower	1011.6	1010.6

old cal #s
 + 0.05 A.nc off plane
 UWZ.d mean: -0.03 AC.nc after ACAT4
 - 0.02 DPJ-WSZ

using new cal #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	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	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	

Mission Documents:

<input checked="" type="checkbox"/>	Error Summary
<input checked="" type="checkbox"/>	Crew Manifest
<input checked="" type="checkbox"/>	QC checklist
<input type="checkbox"/>	Dropwindsonde Log(s) – AVAPS and FD if completed
<input type="checkbox"/>	Miscellaneous FD notes

NOTES: PQM.1 had a 3 mb low bias offset from the others (PQM.2 is ref). TDM.1 (Buck) is noisier, TDM.2 remains the ref. AVAPS froze at 1735z for 2 minutes. Turns were repeated. (display)