

N42RF ERROR SUMMARY
20180913H1

Flight ID: 20180913H1

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/20180913H1

Local Met Data	Takeoff TISX (1024Z)	Landing KLAL (1837Z)
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.1 failed after the scientific collection was completed (after 1502Z).

PDAlpha.2 Inop.

Niether of these parameters affected the real-time or post processed datasets during the operationally tasked collection window.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	9	9	9
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 = 7.2.1

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20180913H1	FLT #:	3	AC:	Kibbey	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:	0930Z	CP(s):	Mitchell	Paul Chang (NESDIS) Zorana Jelenek (NESDIS)	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	8+00		Rossi				9	0	9
Block Time		Flight Time		Nav(s):	Urato		Wx Station Takeoff		BTs		
In:	1840	In:	1837	FE(s)	Lalonde	Heather Holbach (HRD)	A/C Land		Good	Bad	Sent
Out:	1017	Out:	1024		Darby	Kathryn Sellwood (HRD)					
Total:	8.4	Total:	8.2	FD(s):	Holmes	Hui Christophersen	Wx Station Land				
Sponsoring Org: NHC				SEB:	Greene	Freeman Newnam Carrion	Storm Number ID:		AL092018		
Program: PRX				SSA:	Mascaro		(ie: AL072012)				
Purpose: ISAAC				AVAPS:	Underwood		TCPOD/WSPOD Mission		0209A ISAAC		
							(ie: NOAA2 2418A SANDY)				
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		3 x TS 9 Penny's					
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:

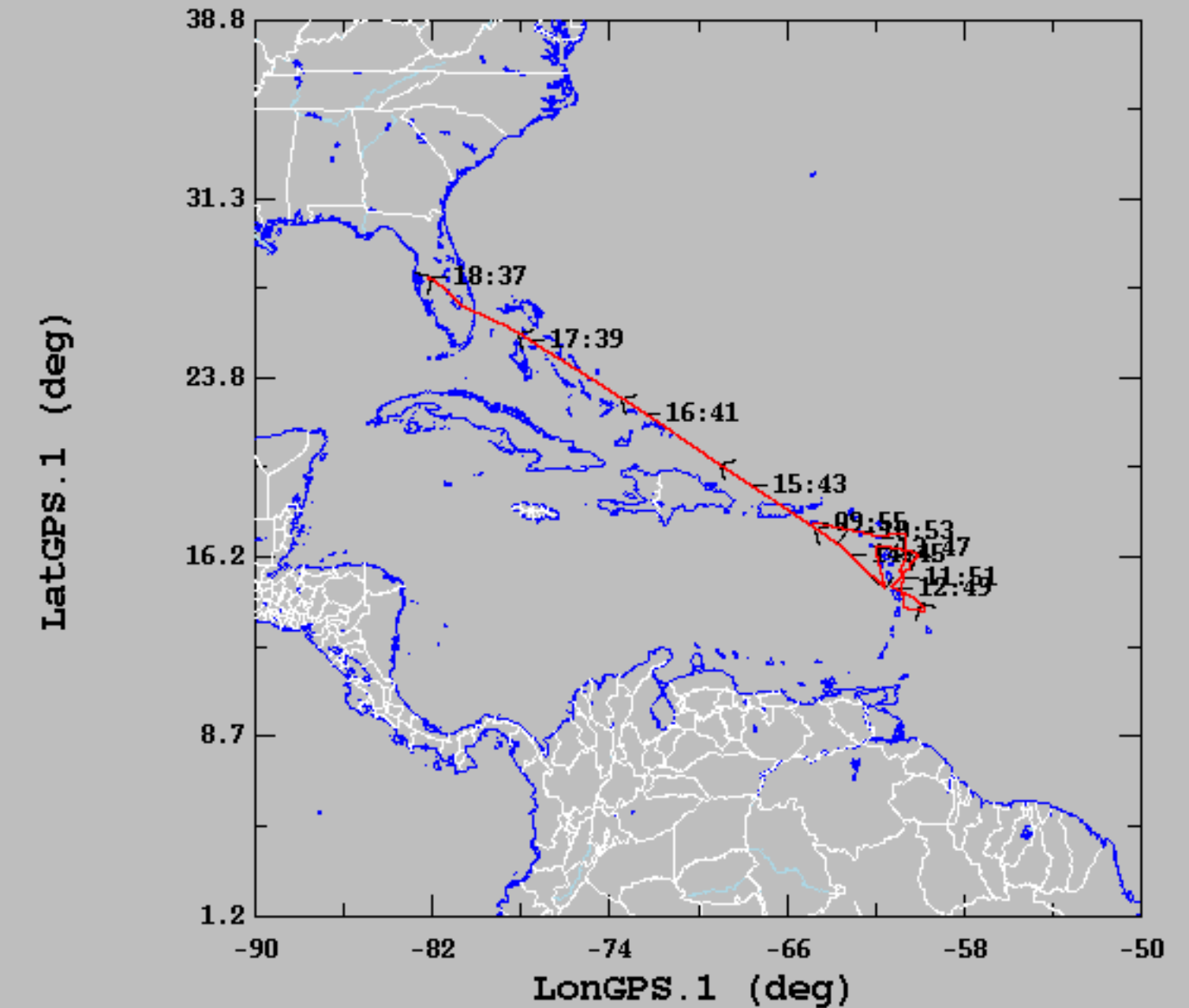
Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

20180913H1 Flight Track

2018-09-13, 09:55:23-18:37:42



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	18.84	3.93	13.97	27.99
LongGPS.1 (deg), 1 s/sec	-66.55	6.71	-82.16	-59.70

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180913 H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1010	✓
Tower	1010	✓

UWZ.d mean: -0.07m/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		✓ GSXref	
✓ 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	✓ LasADDU.1		✓ IAS.d	✓ LAS.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
✓ Dropwindsonde Log(s) – AVAPS and FD if completed
✓ Flight Track
✓ Miscellaneous FD notes

NOTES:

PDALPHA.1: failed after science was completed (~1502Z)... transit back to KLAL

Lead Tech: Mike Mascaro

Mission: TS Trade

Flight ID: 20180913 H1

Landing: _____ Flt Dir: Holmes

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time Z	Operator	Charge \$\$ To	Comments	Good ?
1	152225036	1	-0.5	1122	NGU	NWS	IP, inbound (CIO, pass #1)	✓
2	164345165	2	0.0	1136	↓	HRD	Midpoint (MP), IB	✓
3	164445109	3	-0.5	1157	↓	NWS	Center #1	✓
4	164445090	4	-0.2	1228		NWS	Endpoint (EP), IB, pass #2	✓
5	164445099	1	-0.4	1252		NWS	Center #2	✓
6	164445096	2	-0.4	1321		NWS	EP, OB	✓
7	164445097	3	-0.2	1347		NWS	EP, IB, Pass #3	✓
8	164345185	4	+0.2	1414		NWS	Center #3	✓
9	164445131	1	-0.2	1442		NWS	EP, OB	✓
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