

N42RF ERROR SUMMARY
20180915H2

Flight ID: 20180915H2

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/20180915H2

Local Met Data	Takeoff TISX (1436Z)	Landing KLAL (1805Z)
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

PDAlpha.1 Inop 1455Z-1736Z (Transit to FL). Note this was a repo to KLAL...No science enroute.

AltPA.d and AltGA.d did not report values 1436Z-1502Z.

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 = 7.2.1

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20180915H2	FLT #:	5	AC:	Kibbey	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:	1500Z	CP(s):	Rossi		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	2200Z		Mitchell						
Block Time		Flight Time		Nav(s):	Urato		Wx Station Takeoff		BTs		
In:		In:									
Out:		Out:		FE(s)	Darby	Visitors:	A/C Land		Good	Bad	Sent
					Lalonde						
Total:		Total:		FD(s):	Holmes		Wx Station Land				
Sponsoring Org:		NHC		SEB:	Greene		Storm Number ID: (ie: AL072012)		AL092018		
				SSA:	Mascaro						
Program:		PRX		AVAPS:	Underwood	TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)		0009A ISAAC Wxwxn TRAIN			
Purpose:		ISAAC Repo TISX → KLAL					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								
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:	20180915H2
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1010	
Tower	1009	

UWZ.d mean: 0.07 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	✓ AccZfilter-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	✓ LasADDU.1		✓ TAS.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	✓ TRaS.1		✓ TDMref	✓ TA.d	
	✓ TTM.3	✓ TDM.3	✓ TRadU.1				
✓ Miscellaneous (must check)					✓ UWZ.d	✓ WS.d	
					✓ WPJ_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:

NOTES:

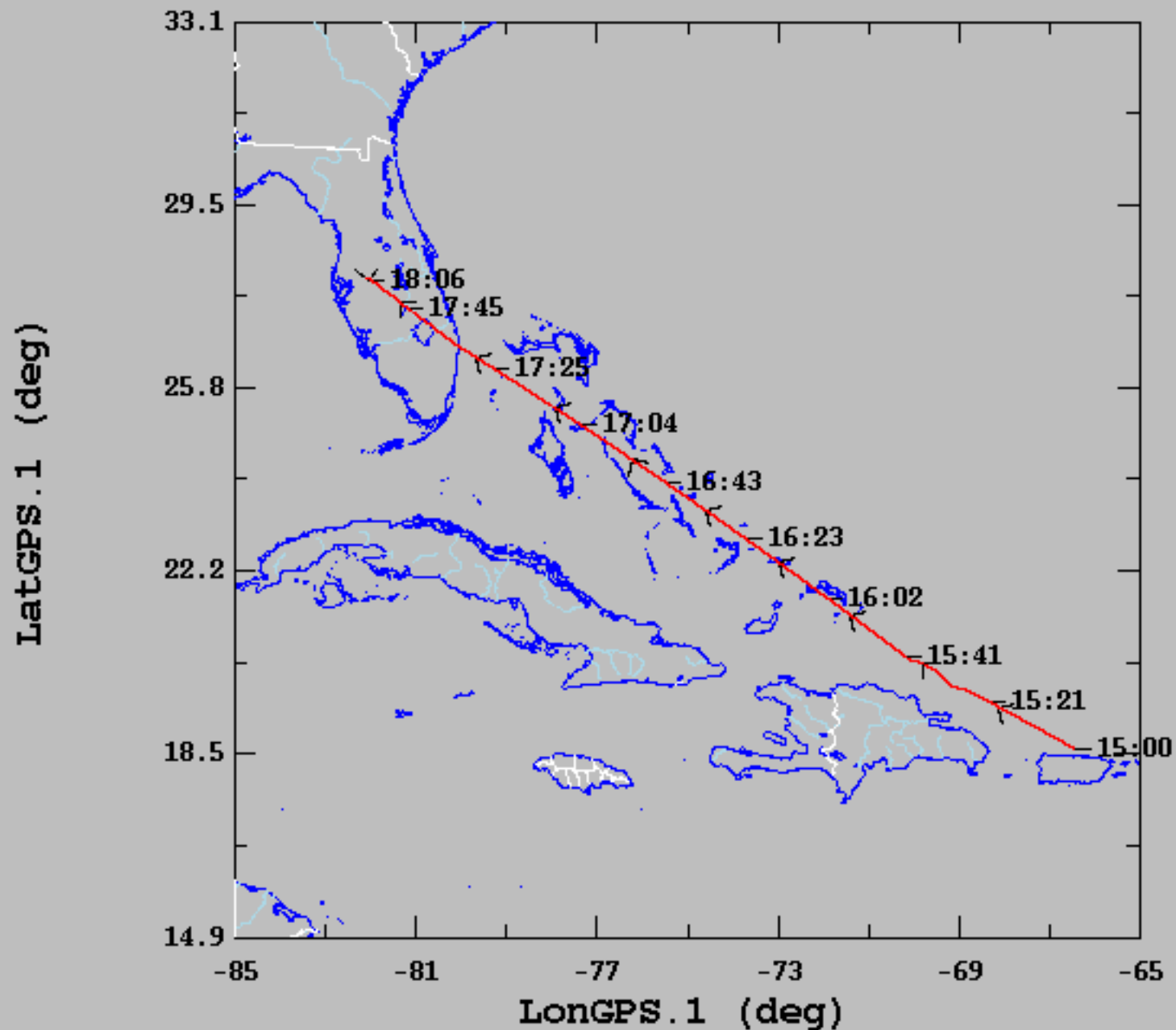
AltAA.d: Missing some parameters to derive PA. 14362-15028

GA.d

PDAlpha.2 Inop
PDAlpha.1 Inop during transit... 1455Z - 1736Z

20180915H1 Flight Track

2018-09-15, 15:00:23-18:06:42



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	23.39	2.90	18.61	28.03
LongGPS.1 (deg), 1 s/sec	-74.63	4.72	-82.09	-66.40