

N42RF ERROR SUMMARY
20180914H1

Flight ID: 20180914H1

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/20180914H1

Local Met Data	Takeoff KLAL (1328Z)	Landing TISX (2009Z)
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 1350Z-1625Z (Transit to IP). Operational beyond that point, so there was no impact to the tasked scientific collection.

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	10	10	10
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:	20180914H1	FLT #:	4	AC:	Kibbey	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1330Z	CP(s):	Mitchell		A/C Takeoff		Good	Bad	Sent
To:	TISX	ETA:	7+00		Rossi				10	Ø	10
Block Time		Flight Time		Nav(s):	Urato		Wx Station Takeoff		BTs		
In:	2022	In:	2019								
Out:	1320	Out:	1328	FE(s)	Lalonde	Visitors:	A/C Land		Good	Bad	Sent
					Darby						
				FD(s):	Holmes						
Total:	7.0	Total:	6.9				Wx Station Land				
				SEB:	Greene		Newnam	Storm Number ID:		AL092018	
Sponsoring Org:	NHC					Carrion	(ie: AL072012)				
Program:				SSA:	Mascaro		TCPOD/WSPOD Mission		0409A ISAAC		
Purpose:	ISAAC (TD)			AVAPS:	Underwood		(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							
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:

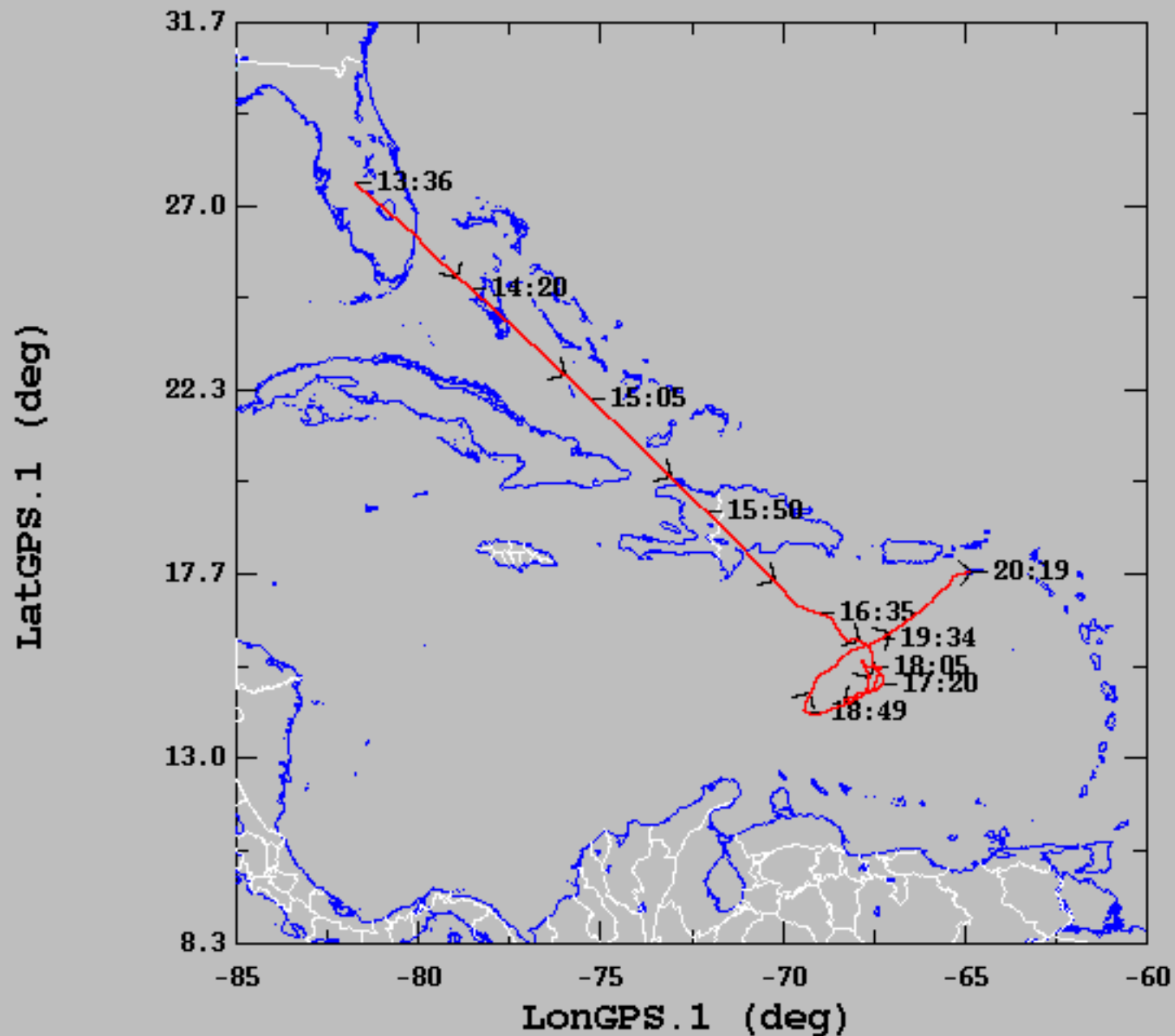
Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

20180914H1 Flight Track

2018-09-14, 13:36:10-20:19:37



	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	18.42	4.02	14.06	27.61
LongGPS.1 (deg), 1 s/sec	-71.06	4.61	-81.72	-64.80

APPENDIX 1 – P3 QC Checklist

Flight ID:	20180914H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1010	—
Tower	1009	—

UWZ.d mean: -0.06m/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	✓ TasADDU.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	✓ 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.2 Inop.
 PDALPHA.1 inop 1350Z-1625Z (Transit to IP).

NOAA • AOC • SED N42RF AVAPS DROP LOG

Lead Tech: Mike Mascaro

Project: Hurricane 2018

Mission: TD TsadeFlight ID: 20180914H1

Take Off: _____

Landing: _____ Flt Dir: Holmes

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments Pass #1, CPA	Good ?
1	164445128	1	-0.5	1641	NGU	NWS	IP, inbound (IB)	✓
2	164345184	2	+0.3	1658	↓	↓	Midpoint (MP), IB, CPA	✓
3	164425002	3	+0.1	1734	↓	↓	Center #1	✓
4	164445149	4	-0.2	1759			Center -CARCAH	✓
5	164445095	1	-0.8	1818			Ad Hoc at 15°N	✓
6	164345149	2	-0.5	1838			Ad Hoc at 68.5°W	✓
7	164445091	3	-0.8	1907			Ad Hoc at 10k	✓
8	164445104	4	-0.8	1921			Ad Hoc at 10k	✓
9	164345177	1	-2.0	1932			Ad Hoc at 10k	✓
10	164445106	2	-0.6	1944			Ad Hoc at 10k	✓
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