

N42RF ERROR SUMMARY
20171010H1

Flight ID: 20171010H1

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/2017/MET/20171010H1

Local Met Data	Takeoff KLAL (1258Z)	Landing KLAL (1422Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.35256
AttackAngleSlope		6.11627
SlipAngleIntercept		0.23
SlipAngleSlope		6.9614

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.

OHC mission post Hurricane Nate

Expendable Type	# deployed	# good	# transmitted
Dropsondes	0	0	0
Test sondes	0	0	0
AXBTs	42	41	41
AXCPS	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Holmes
Phone #: 863-500-3983

ACAT-4 Version = 7.1

APPENDIX 1 – P3 QC Checklist

Flight ID:	20171010H1
Flight Director(s):	Holmes

Pressure Comparison		
	T/O	Land
Aircraft	1013	✓
Tower	1013	✓

Data sys turned off

UWZ.d mean: 0.05

	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	✓ POALPHA.1	✓ PQM.1	✓ PSM.1	✓ PDALPHAref	✓ PQMref
	✓ PDALPHA.2	✓ PQBETA.1	✓ PQM.2	✓ PSM.2	✓ PDBETAref	✓ PQ.c
	✓ PDBETA.1		✓ PQM.3	✓ PTM.1	✓ POALPHAref	✓ 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	

FLID_Mission_Documents.pdf:

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

NOTES:

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20171010H1	FLT #:		AC:	Kibbey	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1400	CP(s):	Rees	Benjamin Jaimes (HRD)	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	1800Z		Rossi	Luna Hiron (HRD)					
Block Time		Flight Time		Nav(s):	Rees Sloan	Johna Rudzin (HRD)	Wx Station Takeoff		BTs		
In:	1304	In:	1300		Richards, Brian (AOC)				Good	Bad	Sent
Out:	1345	Out:	1358	FE(s):	Darby		A/C Land				
					Heystek				42	5	42
Total:	4.3	Total:	4.0	FD(s):	Holmes	Visitors:	Wx Station Land				
Sponsoring Org:	HRD			SEB:	Patel		Storm Number ID:				
Program:	PHX						(ie: AL072012)				
Purpose:	Research (OHC)			SSA:	Mascaro		TCPOD/WSPOD Mission		NOAA2 WXWXA TRAIN		
				AVAPS:	Warnecke		(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:

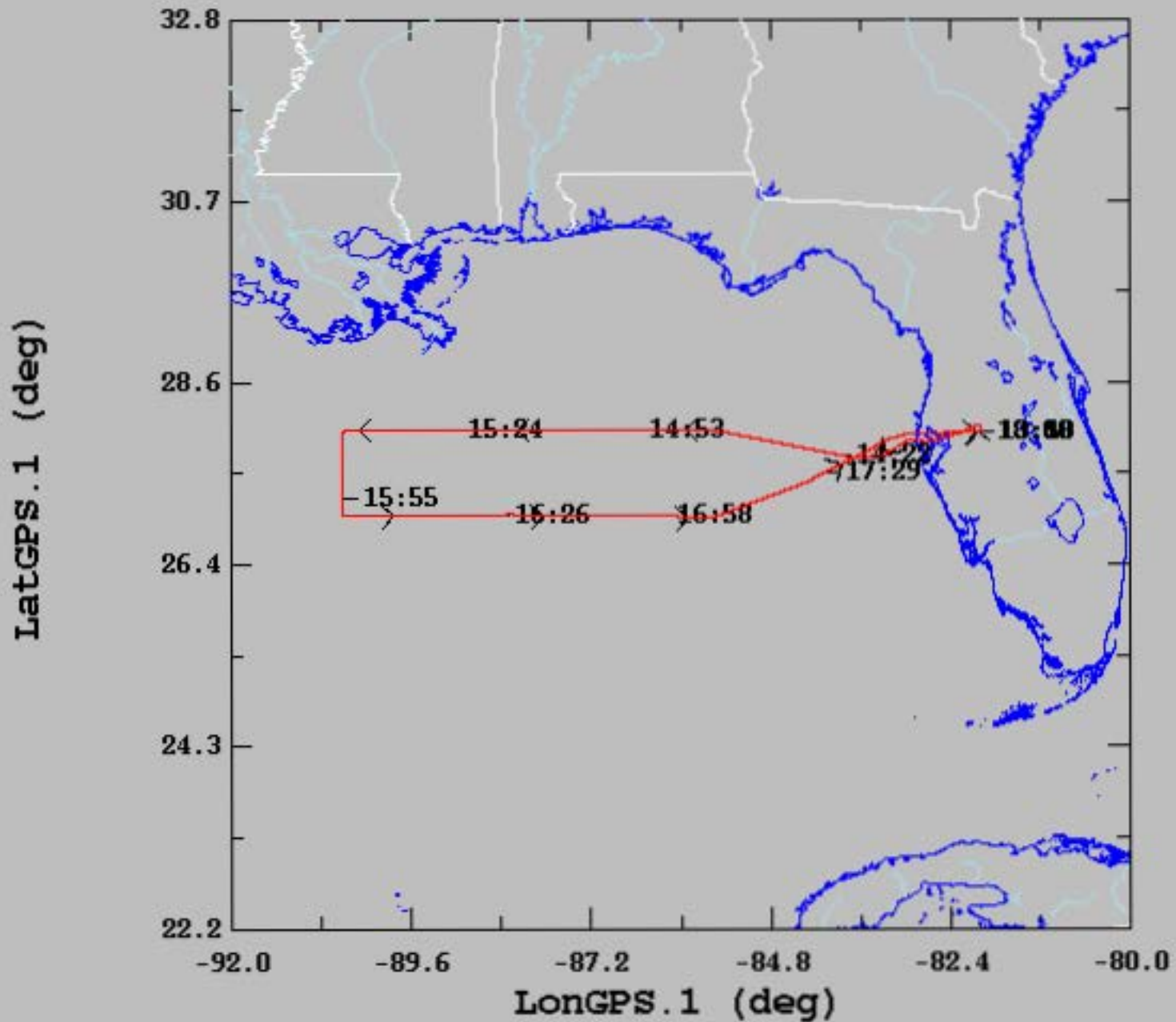
*Highlighted items must be completed before departure.

Cockpit Gmax:

Gmin:

20171010H1 Flight Track

2017-10-10, 13:19:47-18:00:26



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	27.64	0.43	27.00	28.06
— LongGPS.1 (deg), 1 s/sec	-85.91	2.90	-90.50	-81.98