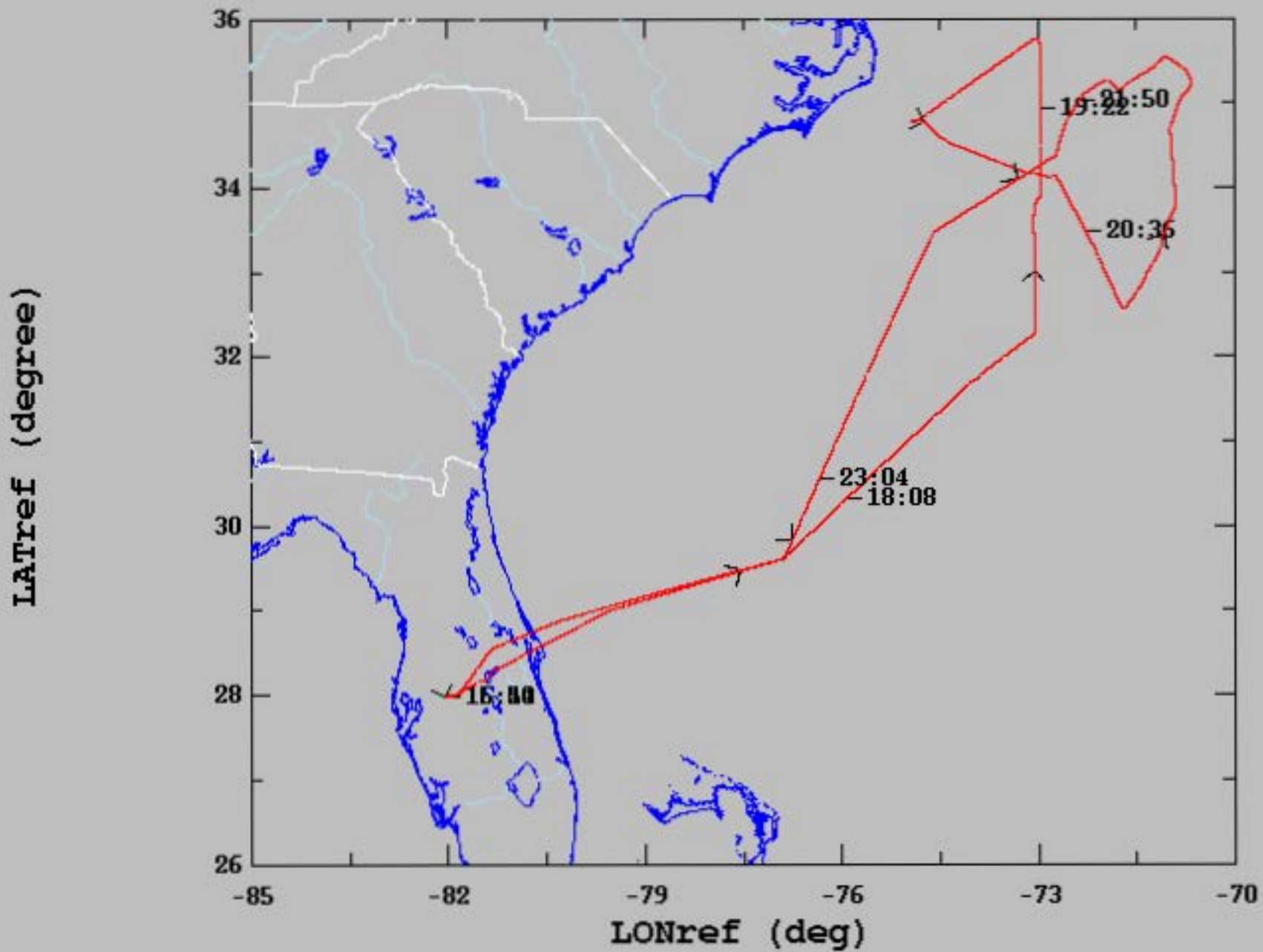


Hurricane Maria EMC TDR

09/26/2017, 15:40:57-24:18:02



	mean	sigma	min	max
— LATref (degree), 1 s/sec	31.51	2.70	27.98	35.75
— LONref (deg), 1 s/sec	-76.21	3.82	-82.03	-70.65

APPENDIX 1 – P3 QC Checklist

Flight ID:	20170926H2
Flight Director(s):	Williams / Henning

Pressure Comparison		
	T/O 1658	Land 0017
Aircraft	1008.3 (2)	1006.3
Tower	1008.6	1007.2

UWZ.d mean: 0.22

	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:

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

NOTES: pqm.1 spikes 2 times with less accurate data. Pqm.2 is default.

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20170926H2	FLT #:		AC:	Price	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1700Z	CP(s):	Kahn		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0200Z		Rossi				6	0	6
Block Time		Flight Time		Nav(s):	Freeman		Wx Station Takeoff		BTs		
In:	0025	In:	0017	FE(s)	Heystek		A/C Land		Good	Bad	Sent
Out:	1644	Out:	1658	FD(s):	Sanchez						
Total:	7.7	Total:	7.3		Williams	Visitors:	Wx Station Land				
				SEB:	Henning	Matthew Badolato					
Sponsoring Org:	EMC				Paul	Timothy Miller	Storm Number ID:	AL152017			
Program:	TDR			SSA:	Mascaro		(ie: AL072012)				
Purpose:	Maria			AVAPS:	McAlister		TCPOD/WSPOD Mission	NOAA2 2915A MARIA			
							(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		2 x 9					
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: