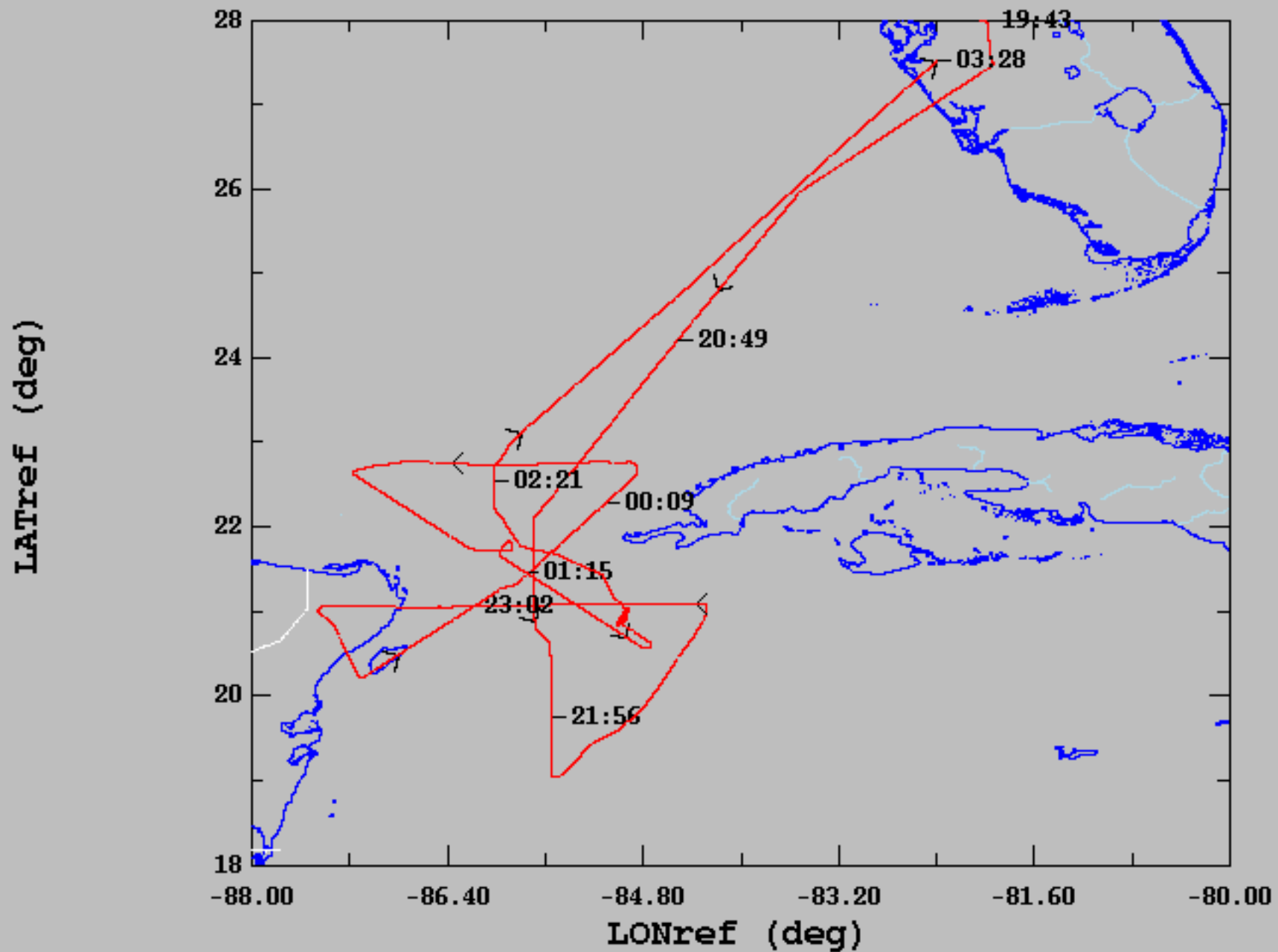


TS Nate - HRD Research

2017-10-06, 19:43:15-27:28:26



	mean	sigma	min	max
— LATref (deg), 1 s/sec	22.63	2.29	19.04	27.99
— LONref (deg), 1 s/sec	-85.09	1.29	-87.45	-81.93

APPENDIX 1 – P3 QC Checklist

Flight ID:	20171006H2
Flight Director(s):	Williams

Pressure Comparison		
	T/O 1952	Land 0339
Aircraft	1007.7 (2)	1008.5 (2)
Tower	1008.3	1009.2

UWZ.d mean: 0.21

	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:

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

NOTES: pqm.1 spikes down erroneously twice, pqm.2 is default.
Tdm.2 is inaccurate from 213721Z to 214431Z, coinciding with a center fix, therefore tdm.1 is substituted in for this time period.

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20171006H2	FLT #:		AC:	Price	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	2000Z	CP(s):	Mitchell		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0400Z		Rees	Rob Rogers, PI			18	0	18
Block Time		Flight Time		Nav(s):		Jun Zhang, HRD	Wx Station Takeoff		BTs		
In:	0345	In:	0339		Urato	Leon Nguyen, HRD			Good	Bad	Sent
Out:	1942	Out:	1952	FE(s):	Heystek	Jason Dunion, HRD	A/C Land		11		
Total:	8.1	Total:	7.8	FD(s):	Sanchez	Benjamin Jaimes, UM	Wx Station Land				
Sponsoring Org:		HRD		SEB:	Williams	Visitors:	Storm Number ID:				
Program:		AIPEX			Warnecke	Obs: Brian Richards	(ie: AL072012)		AL162017		
Purpose:		TS Nate		SSA:	Mascaro		TCPOD/WSPOD Mission				
				AVAPS:	Patel		(ie: NOAA2 2418A SANDY)		NOAA2 WC16A NATE		
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X		1	5	2142	994	
SCIENCE MISSION WITHIN BDRY LAYER					x		2	10	2255	992	
LACK OF PRECIPITATION					x		3	16	2352	991E	
RELATIVE HUMIDITY ≥ 80%				x			4	22	0112	992	
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: