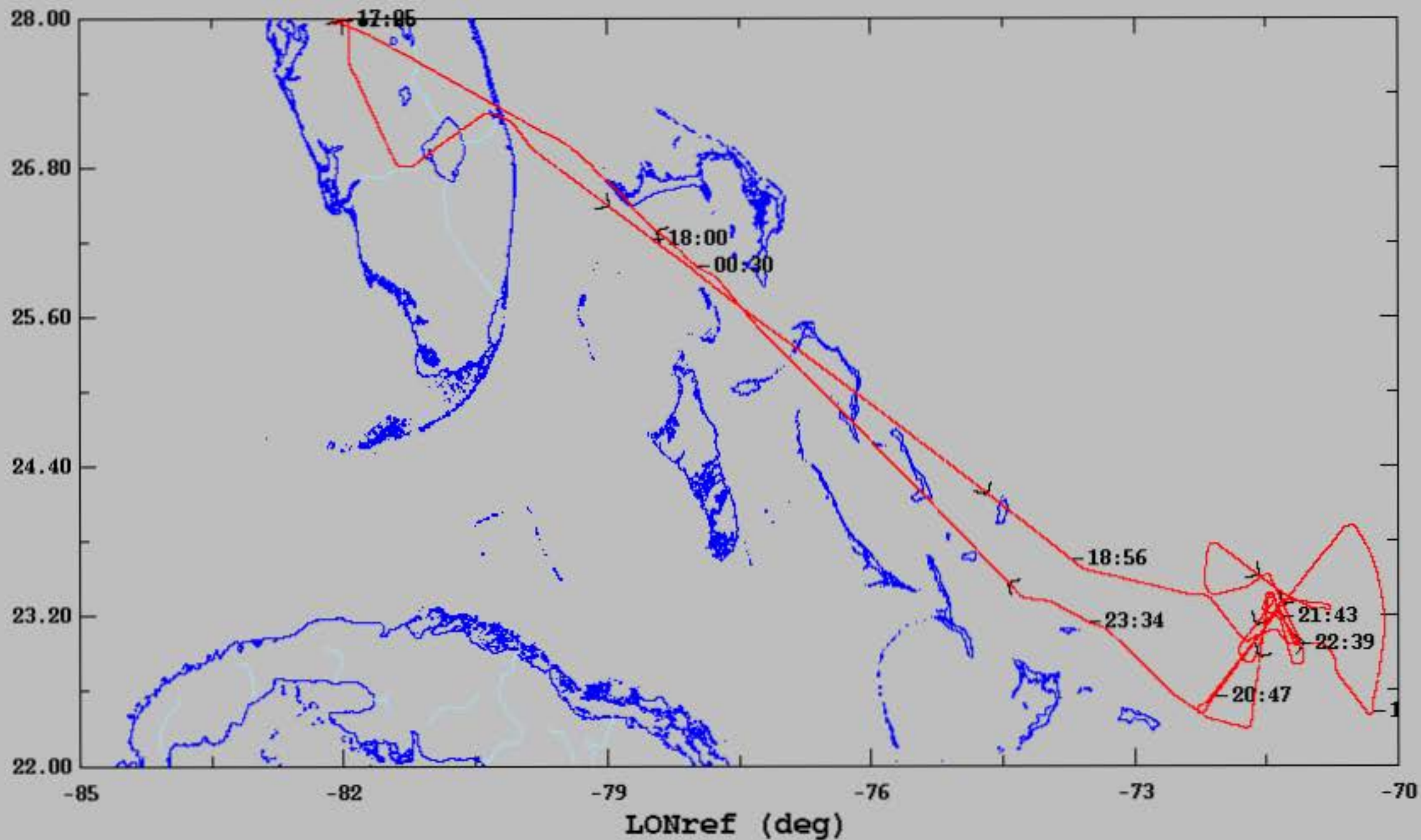


Hurricane Maria, HRD Coyote

09/22/2017, 17:05:00-25:26:00

LATref (degree)



— LATref (degree), 1 s/sec
— LONref (deg), 1 s/sec

mean	sigma	min	max
24.35	1.71	22.30	27.99
-74.51	3.73	-82.09	-70.14

APPENDIX 1 – P3 QC Checklist

Flight ID:	20170922H1
Flight Director(s):	Williams

Pressure Comparison		
	T/O 1705	Land 0124
Aircraft	1008.5 (2) 1009.2 (1)	1007.4 1009.2
Tower	1009	1008.1

UWZ.d mean: 0.17

	Raw 1Hz Mean File Parameters				C File Parameters	
x 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			
x 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					
x Ground Speed	GsXI-GPS.1	GsYI-GPS.1	GsZI-GPS.1		GSXref	
	GsXI-GPS.2	GsYI-GPS.2	GsZI-GPS.2		GSYref	
					GSZref	
x 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			
x 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
x Air Speed	CasADDU.1	TasADDU.1	IasADDU.1		IAS.d	TAS.d
x 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		
x 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			
x 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 drops out twice for a short time. Pqm.4 drops out on return transit. Pqm.2 is default with no issues. TDM.1 spikes too high from 1922Z – 1931Z. tdm.2 is default. Uwz is 0.05 for transit to ops area, and 0.2, 0.19 for ops and transit home.

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION						
FLT ID:	20170922H1	FLT #:		AC:	Kibbey	Scientists:		Pressure		Dropsondes				
From:	KLAL	ETD:	1700Z	CP(s):	Kahn			A/C Takeoff		Good	Bad	Sent		
To:	KLAL	ETA:	0200Z		Didier	Cione, Joe				10	0	0		
Block Time		Flight Time		Nav(s):	CP: Mitchell	Jun Zhang		Wx Station Takeoff		BTs				
In:	0129	In:	0124		Nav: Freeman	Kelly Ryan		A/C Land		Good	Bad	Sent		
Out:	1651	Out:	1705	FE(s):	Heystek	Lisa Bucci		Wx Station Land		37	1			
Total:	8.6	Total:	8.3	FD(s):	Sanchez	Brad Kent		Visitors:						
Sponsoring Org:		AOC		SEB:	Paul	Steve Kennan, Senator Reed		Storm Number ID:		AL152017				
Program:		PSM				Chris Oliver, NMFS Ass. Adm		TCPOD/WSPOD Mission		NOAA2 WXWXA MARIA				
Purpose:		SFMR Cal		SSA:	Mascaro			(ie: NOAA2 2418A SANDY)						
AVAPS: McAlister				OBSERVATIONS										
AS REQUIRED BY ORM			Y	N	REMARKS			Fix Number	Obs Number	Fix Time	SLP			
VOLCANIC ASH				X	1 Regular Sonde			1	4	1930	959			
SCIENCE MISSION WITHIN BDRY LAYER				x	9 IR Sondes			2	5	2026	959			
LACK OF PRECIPITATION				x	8 BT'S			3	6	2228	E957			
RELATIVE HUMIDITY ≥ 80%			x		1 Coyote - successful 43min									
LARGE AIR-SEA TEMP GRADIENT				X	<div style="border: 1px solid black; padding: 10px; display: inline-block;"> 8 x 9 </div>									
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:												

00005

