

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20170821H1	FLT #:		AC:	Price	Scientists:		Pressure		Dropsondes		
From:	TISX	ETD:	1600Z	CP(s):	Rees			A/C Takeoff	1014.1	Good	Bad	Sent
To:	KLAL	ETA:	2000Z		Mitchell	Carrion				0	0	0
Block Time		Flight Time		Nav(s):	Gallagher	Newnam		Wx Station Takeoff	1014.4	BTs		
In:	1946	In:	1939		Urato	Kahn		A/C Land	1014.6	Good	Bad	Sent
Out:	1536	Out:	1542	FE(s):	Darby	Rossi						
					Souza, Richard	Heystek		Wx Station Land	1013.4	0	0	0
Total:	4.2	Total:	3.9	FD(s):	Belson	Sanchez						
Sponsoring Org:		NHC		SEB:	Richards	Kregelka		Storm Number ID:				
Program:		PRX			Peek			(ie: AL072012)				
Purpose:		Transit		SSA:	Mascaro			TCPOD/WSPOD Mission				
					Sans Souci			(ie: NOAA2 2418A SANDY)		NOAA2 WXWXA TRAIN		
				AVAPS:				OBSERVATIONS				
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: **1.1**

Gmin: **1.0**

APPENDIX 1 – P3 QC Checklist

Flight ID:	20170821H1
Flight Director(s):	Parrish, Belson

Pressure Comparison		
	T/O	Land
Aircraft	1014.1	1014.6
Tower	1014.4	1013.4

UWZ.d mean: 0.10

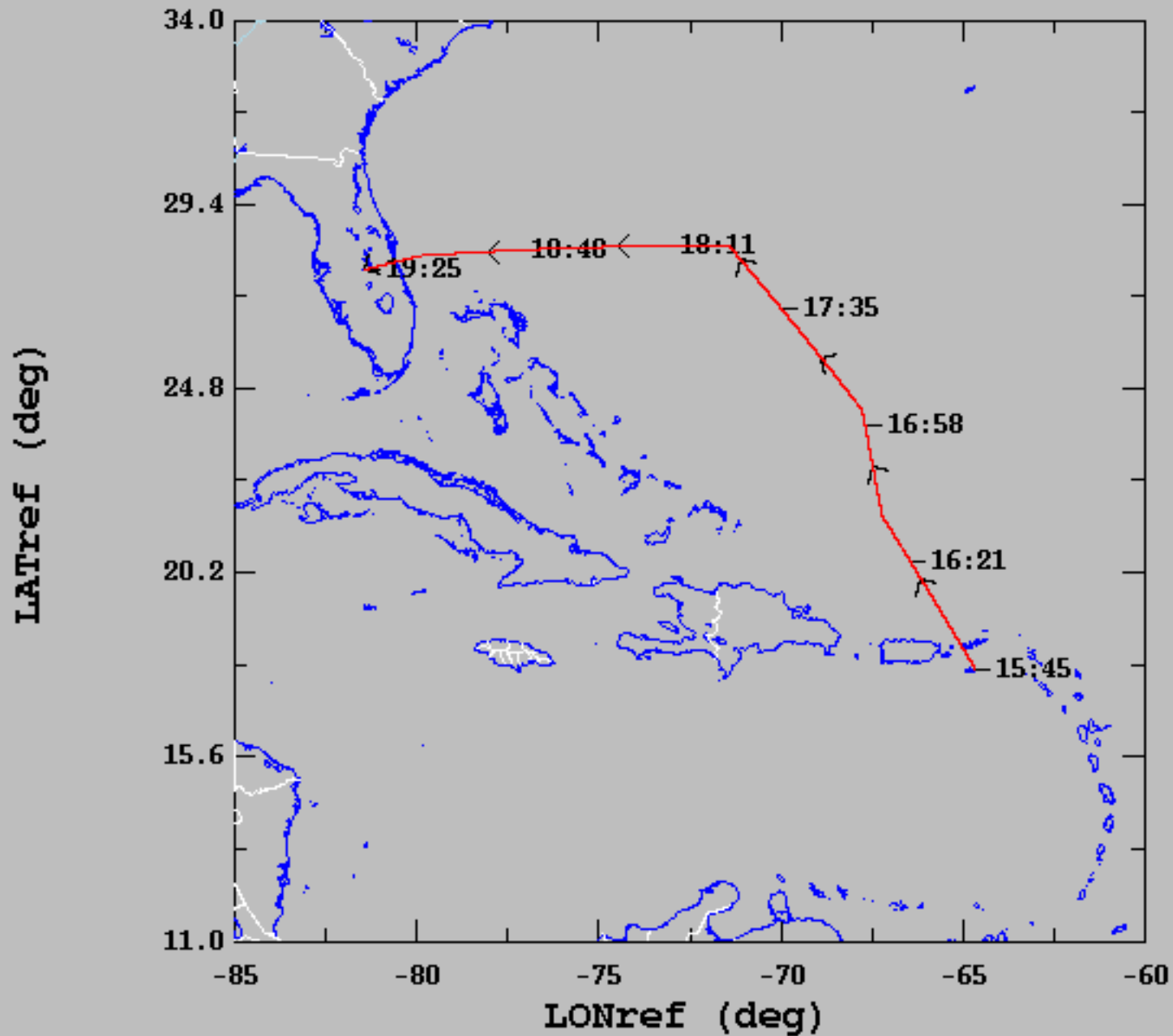
	Raw 1Hz Mean File Parameters				C File Parameters	
x Accelerometer	x AccAXI.1	x AccAYI.1	x AccAZI.1	x AccZfilter-GPS.1	x AccZref	
	x AccAXI.2	x AccAYI.2	x AccAZI.2	x Acc-Zfilter-GPS.2		
	x AccAXI-GPS.1	x AccAYI-GPS.1	x AccAZI-GPS.1			
	x AccAXI-GPS.2	x AccAYI-GPS.2	x AccAZI-GPS.2			
x Altitude	x AltGPS.1	x AltI-GPS.1	x AltPaADDU.1	x AltRA.1	x ALTref	x AltRA1.c
	x AltGPS.2	x AltI-GPS.2	x AltBCADDU.1	x AltRA.2	x ALTPA.d	x AltRA2.c
	x AltGPS.3				x ALTGA.d	
	x AltGPS.4					
x Ground Speed	x GsXI-GPS.1	x GsYI-GPS.1	x GsZI-GPS.1		x GSXref	
	x GsXI-GPS.2	x GsYI-GPS.2	x GsZI-GPS.2		x GSYref	
					x GSZref	
x Lat/Lon	x LatGPS.1	x Lati-GPS.1	x LonGPS.1	x Loni-GPS.1	x LATref	
	x LatGPS.2	x Lati-GPS.2	x LonGPS.2	x Loni-GPS.2	x LONref	
	x LatGPS.3		x LonGPS.3			
	x LatGPS.4		x LatGPS.4			
x Pressure	x PDALPHA.1	x PQALPHA.1	x PQM.1	x PSM.1	x PDALPHaref	x PQMref
	e PDALPHA.2	x PQBETA.1	x PQM.2	x PSM.2	x PDBETaref	x PQ.c
	x PDBETA.1		x PQM.3	e PTM.1	x PQALPHaref	x PSMref
	x PDBETA.2		x PQM.4		x PQBETaref	x PS.c
x Air Speed	x CasADDU.1	x TasADDU.1	x lasADDU.1		x IAS.d	x TAS.d
x Pitch/Roll	x PitchI.1	x PitchRateI.1	x RollI.1	x RollRateI.1	x PITCHref	
	x PitchI.2	x PitchRateI.2	x RollI.2	x RollRateI.2	x ROLLref	
	o PitchI.3	o PitchRateI.3	o RollI.3	o RollRateI.3		
x Temp/Dewpt	x TTM.1	x TDM.1	x TRadD.1		x TD.c	x TTMref
	x TTM.2	x TDM.2	x TRadS.1		x TDMref	x TA.d
	o TTM.3	e TDM.3	o TRadU.1			
x Miscellaneous (must check)					x UWZ.d	x WS.d
					x DPJ_WSZ	x WD.d
					x HUM	

FLID_Mission Documents.pdf:

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

NOTES:

2017-08-21, 15:45:00-19:25:00



	mean	sigma	min	max
— LATref (deg), 1 s/sec	25.15	3.56	17.73	28.40
— LONref (deg), 1 s/sec	-71.28	4.93	-81.41	-64.63

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TISX - KLAL

20 AOC

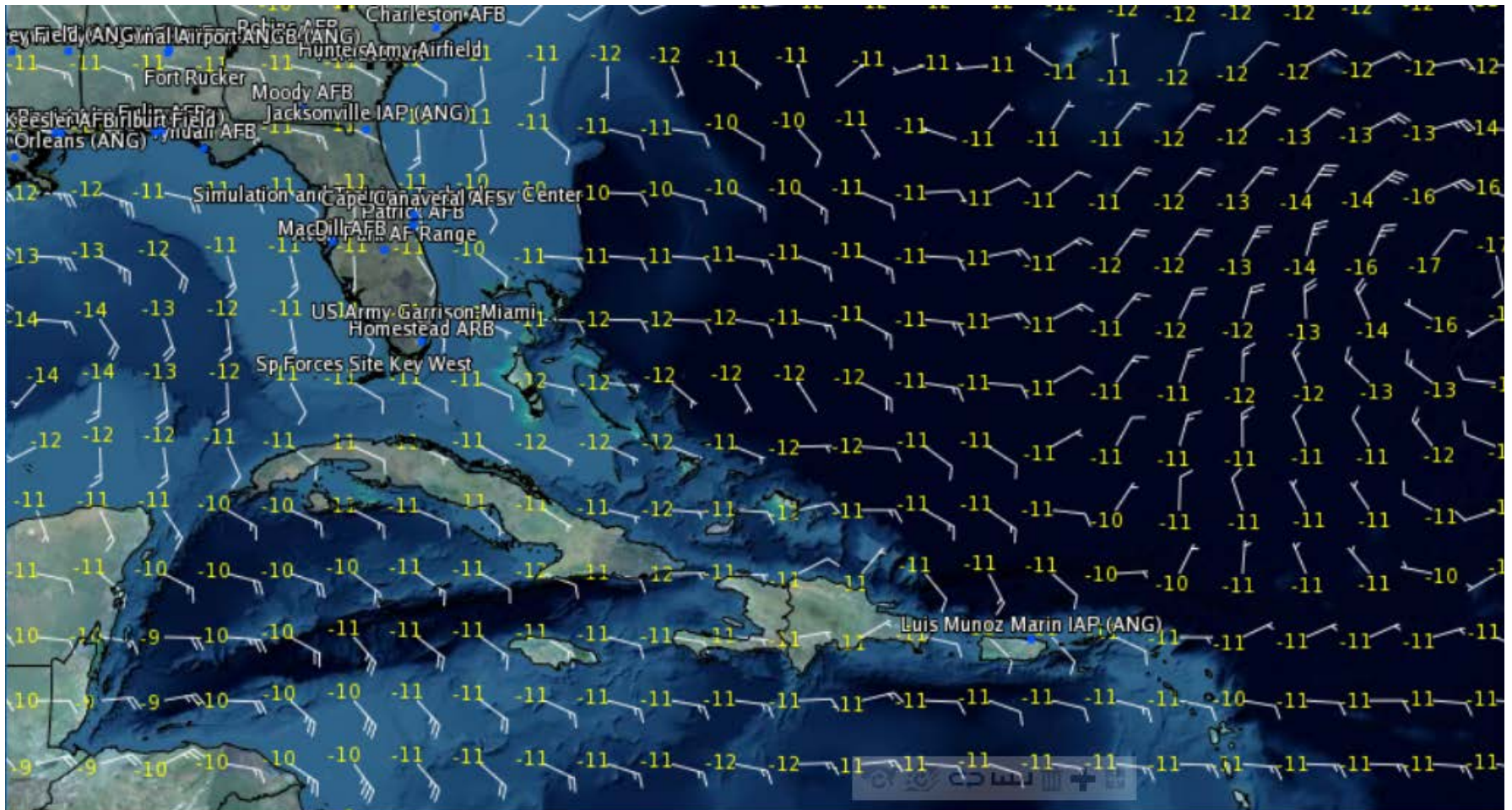
T/O 1600Z

ETE 4+00

NOAA2 WXWXA TRAIN

Transit FL210

VT 21/12Z



Hazards

- Icing – light-moderate rime possible in cloud above FL160
 - Freezing / Melting Altitude 16,000ft
- Turbulence – in convection
- Volcanic Ash - Negative
- HD - no
- Rapid Intensification – N/A
- Sea Salt Accretion Forecast – Negative
 - Boundary Layer - No
 - Lack of Precip - No
 - RH > 80% - No
 - Large sea surface / air temperature gradient - No
 - High Surface Winds - No
 - Long fetch / duration - No

Airfield Wx

- KLAL 211050Z 07004KT 7SM SKC 25/25 A3009
- KLAL 210526Z 2106/2206 10005KT P6SM FEW025 SCT250
FM211800 10008KT P6SM SCT035 BKN200
FM220000 08006KT P6SM SCT250 AMD NOT SKED TIL 211100
- TISX 211053Z 06007KT 10SM CLR 27/24 A3000 RMK AO2 SLP158 T02720244
- TISX 210520Z 2106/2206 05006KT P6SM FEW030
FM211300 10015KT P6SM FEW030
FM212300 07006KT P6SM FEW030