

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION					
FLT ID:	20170819H1	FLT #:		AC:	Price	Scientists:			Pressure		Dropsondes		
From:	KLAL	ETD:	1900Z	CP(s):	Rees	Carrion	Newnam	A/C Takeoff	1008.3	Good	Bad	Sent	
To:	TISX	ETA:	2300Z		Mitchell					Kahn	0	0	0
Block Time		Flight Time		Nav(s):	Gallagher	Kahn	Rossi	Wx Station Takeoff	1009.0	BTs			
In:	0309	In:	0304		Urato					Heystek	A/C Land	1011.3	Good
Out:	2312	Out:	2318	FE(s):	Darby	Sanchez	Visitors:	Wx Station Land	1011.4	0	0	0	
Total:	3.9	Total:	3.8	Souza, Richard	Parrish					Storm Number ID:			
Sponsoring Org:	NHC			SEB:	Richards	Kregelka							
Program:	PRX			SSA:	Peek	(ie: AL072012)							
Purpose:	Transit			AVAPS:	Mascaro	TCPOD/WSPOD Mission							
					Sans Souci	(ie: NOAA2 2418A SANDY) NOAA2 WXWXA TRAIN							
						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:	0.9									

APPENDIX 1 – P3 QC Checklist

Flight ID:	20170819H1
Flight Director(s):	Parrish, Belson

Pressure Comparison		
	T/O	Land
Aircraft	1008.3	1011.3
Tower	1009.0	1011.4

UWZ.d mean: 0.10

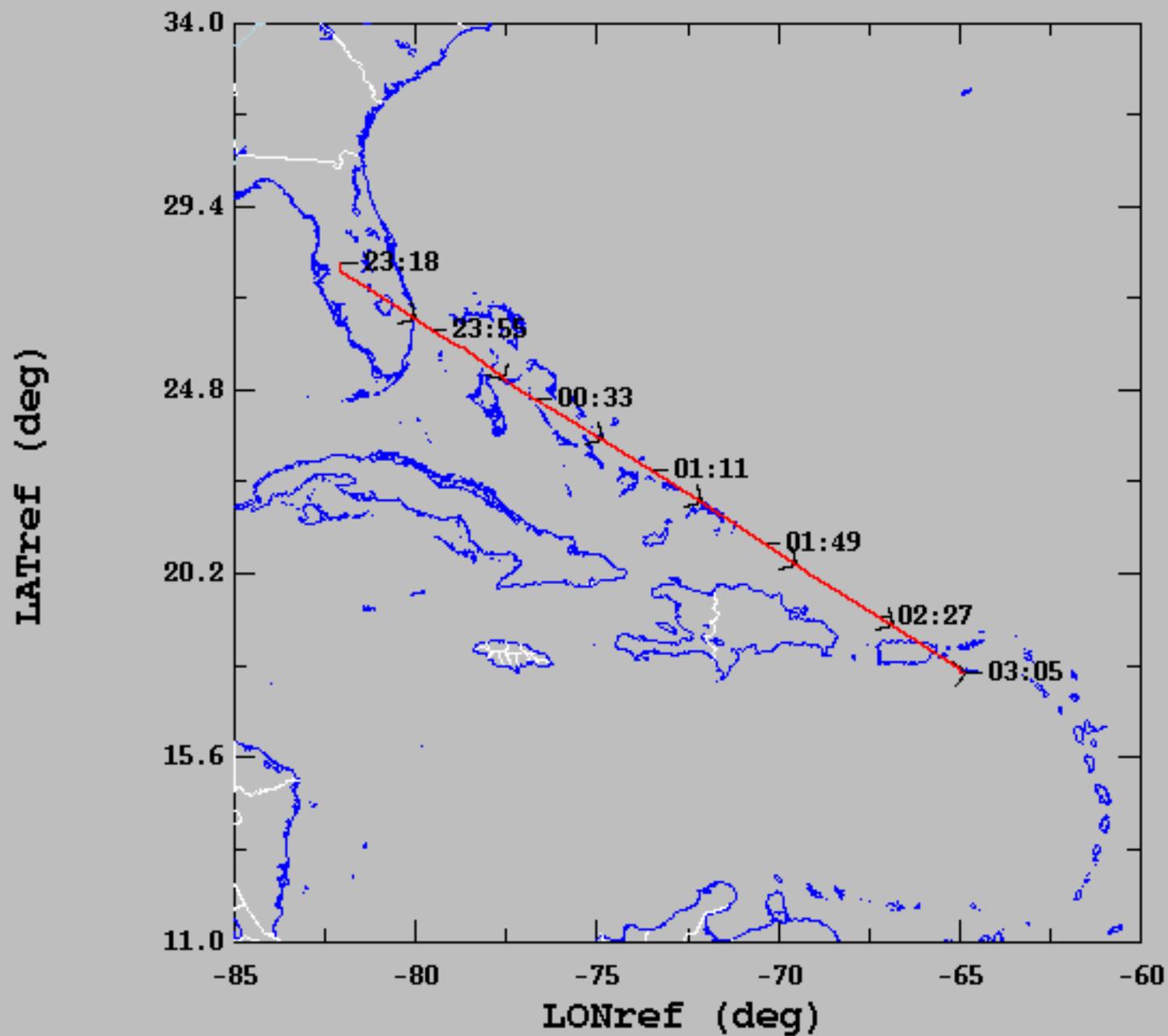
	Raw 1Hz Mean File Parameters				C File Parameters	
<input checked="" type="checkbox"/> Accelerometer	<input checked="" type="checkbox"/> AccAXI.1	<input checked="" type="checkbox"/> AccAYI.1	<input checked="" type="checkbox"/> AccAZI.1	<input checked="" type="checkbox"/> AccZfilter-GPS.1	<input checked=""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

FLID_Mission Documents.pdf:

<input checked="" type="checkbox"/>	Error Summary
<input checked="" type="checkbox"/>	Crew Manifest
<input checked="" type="checkbox"/>	QC checklist
<input checked="" type="checkbox"/>	Dropwindsonde Log(s) – AVAPS and FD if completed
<input checked="" type="checkbox"/>	Flight Track
<input checked="" type="checkbox"/>	Miscellaneous FD notes

NOTES:

2017-08-19, 23:18:00-27:05:00



	mean	sigma	min	max
— LATref (deg), 1 s/sec	22.76	3.10	17.69	27.99
— LONref (deg), 1 s/sec	-73.45	5.28	-82.06	-64.80

20170819H1

KLAL - TISX

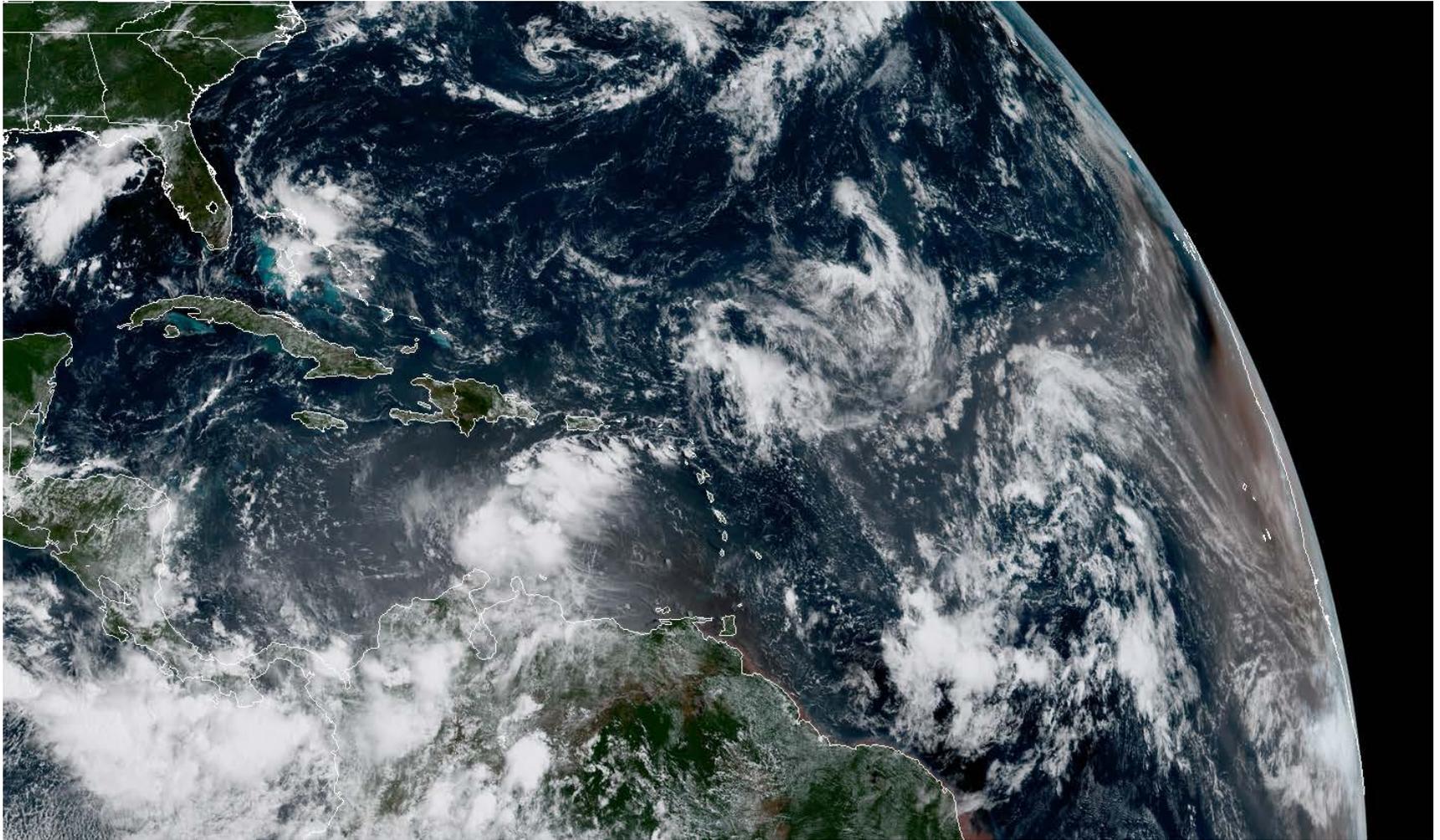
AOC

T/O 1900Z

ETE 4+00

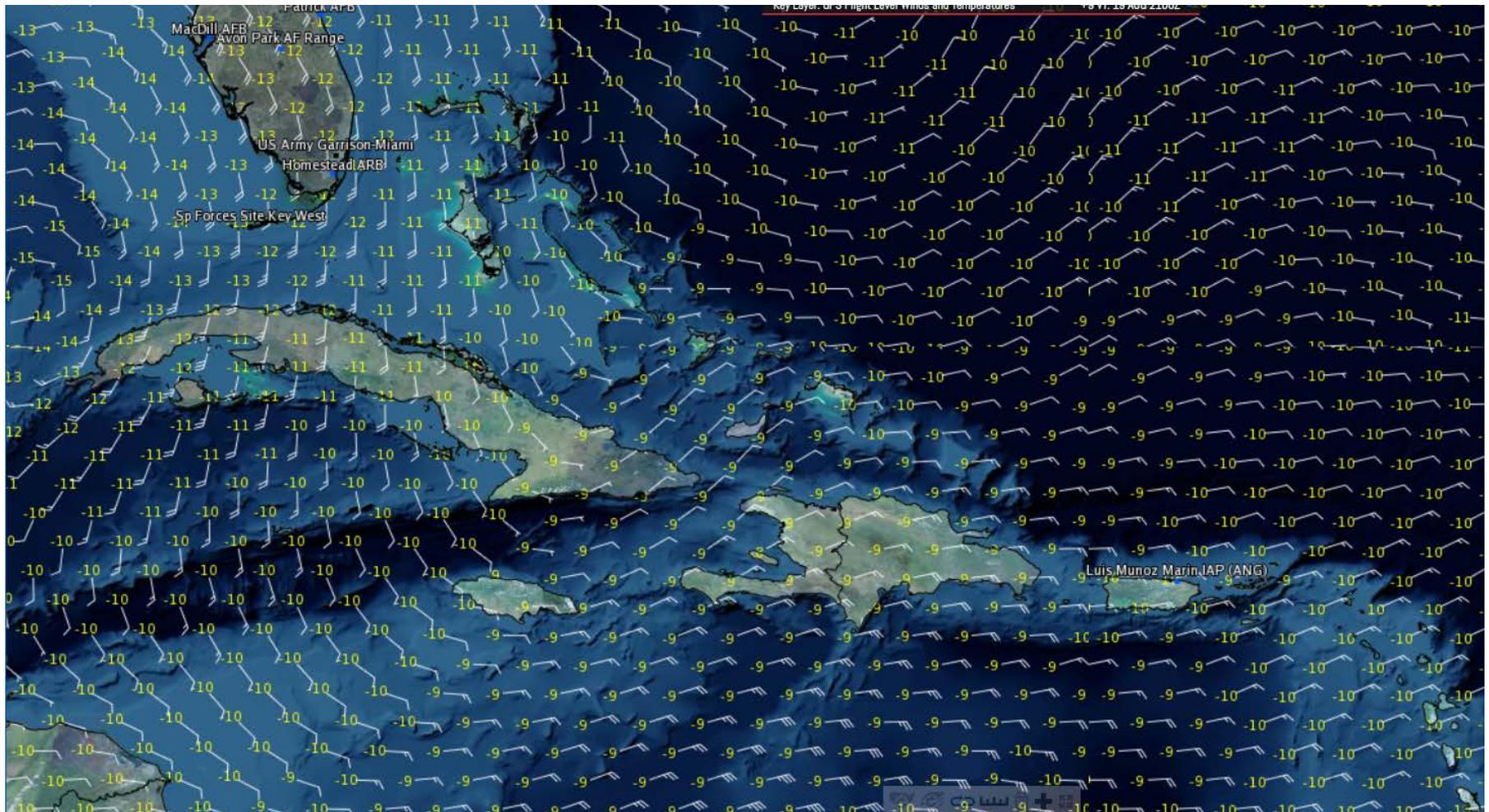
NOAA2 WXWXA TRAIN

Transit



Transit FL210

VT 19/21Z



Hazards

- Icing – light rime possible in cloud above FL200
 - 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 191550Z 00000KT 10SM FEW025 31/23 A3003
- **KLAL 191125Z 1912/2012 VRB03KT P6SM FEW030 SCT250**
FM192100 VRB03KT P6SM VCTS BKN040CB
FM200000 VRB03KT P6SM BKN050
FM201000 VRB03KT P6SM FEW080 SCT200
- TISX 191553Z 08018KT 10SM SCT023 32/26 A2991 RMK AO2 SLP127 T03220256
- TISX 191120Z 1912/2012 06015G23KT P6SM VCSH FEW017
FM191400 08015G25KT P6SM VCSH FEW025 SCT060
FM192300 08010KT P6SM VCSH FEW030