

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20170909H1	FLT #:		AC:	Price	Scientists:		Pressure		Dropsondes		
From:	KLAL	ETD:	1700Z	CP(s):	Ruckman			A/C Takeoff	1005.5	Good	Bad	Sent
To:	KLAL	ETA:	0100Z		Mitchell					6	0	6
Block Time		Flight Time		Nav(s):	Urato			Wx Station Takeoff	1006.5	BTs		
In:	0032	In:	0026		Sloan							
Out:	1702	Out:	1711	FE(s):	Darby			A/C Land	1003.3	Good	Bad	Sent
					Tuffnel, Todd							
Total:	7.5	Total:	7.3	FD(s):	Belson			Wx Station Land	1004.0	0	0	0
					Parrish	Visitors:						
Sponsoring Org:	NHC			SEB:	Warnecke	Calabretta, Jason		Storm Number ID:		AL112017		
Program:	PRX					Barnes, David		(ie: AL072012)				
Purpose:	Hurricane Recon			SSA:	Mascaro			TCPOD/WSPOD Mission		NOAA2 2711A IRMA		
				AVAPS:	McAlister			(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X			1	3	1831	939	
SCIENCE MISSION WITHIN BDRY LAYER					X			2	6	2007	935	
LACK OF PRECIPITATION					X			3	13	2143	934	
RELATIVE HUMIDITY ≥ 80%				X				4	16	2306	934	
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: 1.6				Gmin: 0.5								

APPENDIX 1 – P3 QC Checklist

Flight ID:	20170909H1
Flight Director(s):	Belson/Parrish

Pressure Comparison		
	T/O	Land
Aircraft	1005.5	1003.3
Tower	1006.5	1004.0

UWZ.d mean: 0.21

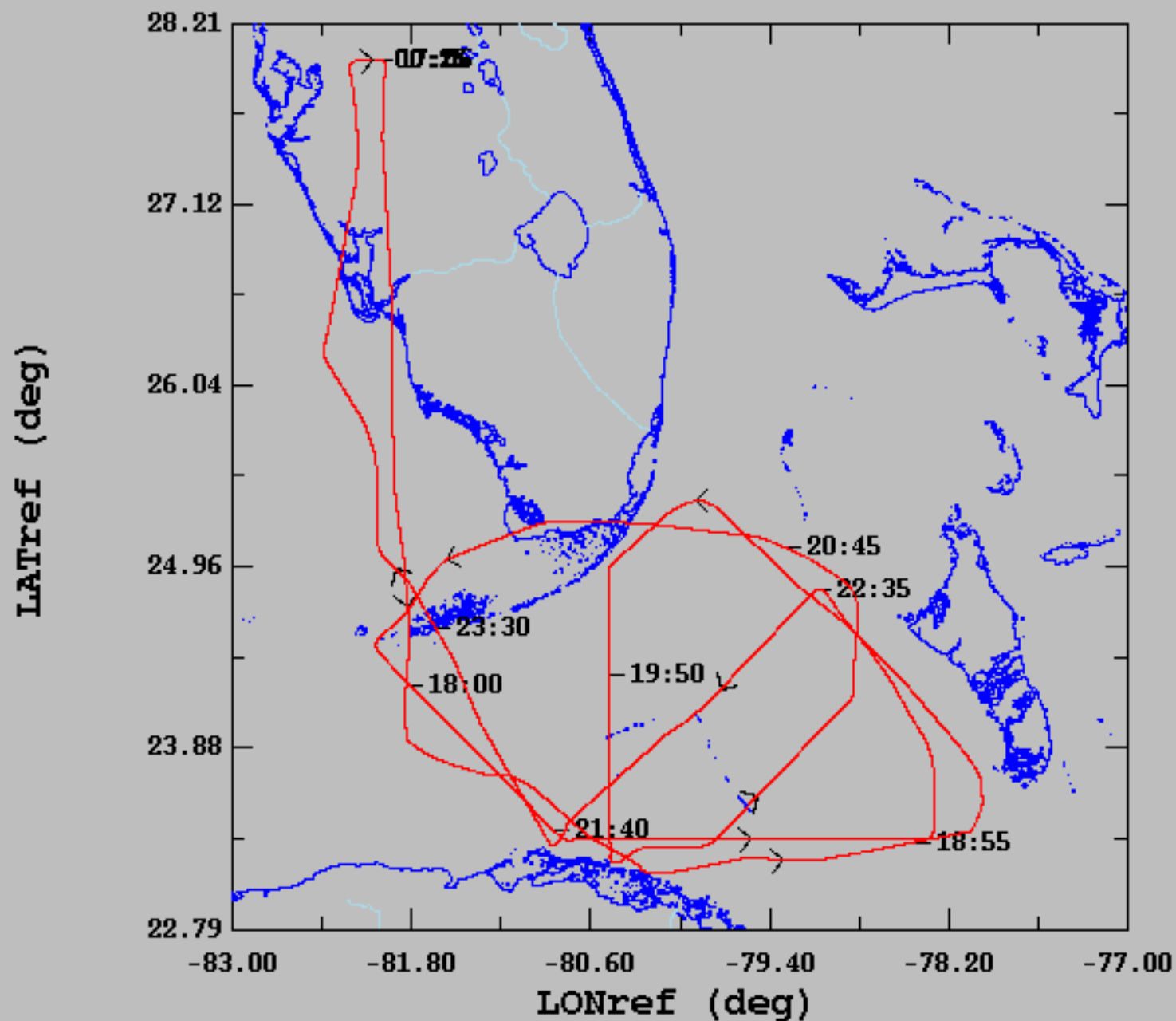
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	<input checked="" type="checkbox"/> AccAXI.2	<input checked="" type="checkbox"/> AccAYI.2	<input checked="" type="checkbox"/> AccAZI.2	<input checked="" type="checkbox"/> Acc-Zfilter-GPS.2		
	<input checked="" type="checkbox"/> AccAXI-GPS.1	<input 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"/> LonGPS.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"/> LonGPS.2	<input checked="" type="checkbox"/> Loni-GPS.2	<input checked="" type="checkbox"/> LONref	
	<input checked="" type="checkbox"/> LatGPS.3		<input checked="" type="checkbox"/> LonGPS.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	
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<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 checked="" type="checkbox"/> TTM.3	<input checked="" type="checkbox"/> TDM.3	<input checked="" 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:

2017-09-09, 17:06:00-24:25:20



	mean	sigma	min	max
— LATref (deg), 1 s/sec	24.60	1.30	23.13	27.99
— LONref (deg), 1 s/sec	-80.50	1.28	-82.38	-77.97

20170909H1

KLAL - KLAL

13 AOC

3 Observers

T/O 1700Z

ETE 8+00

NOAA2 2711A IRMA

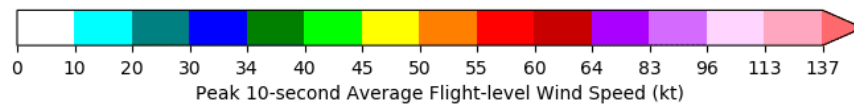
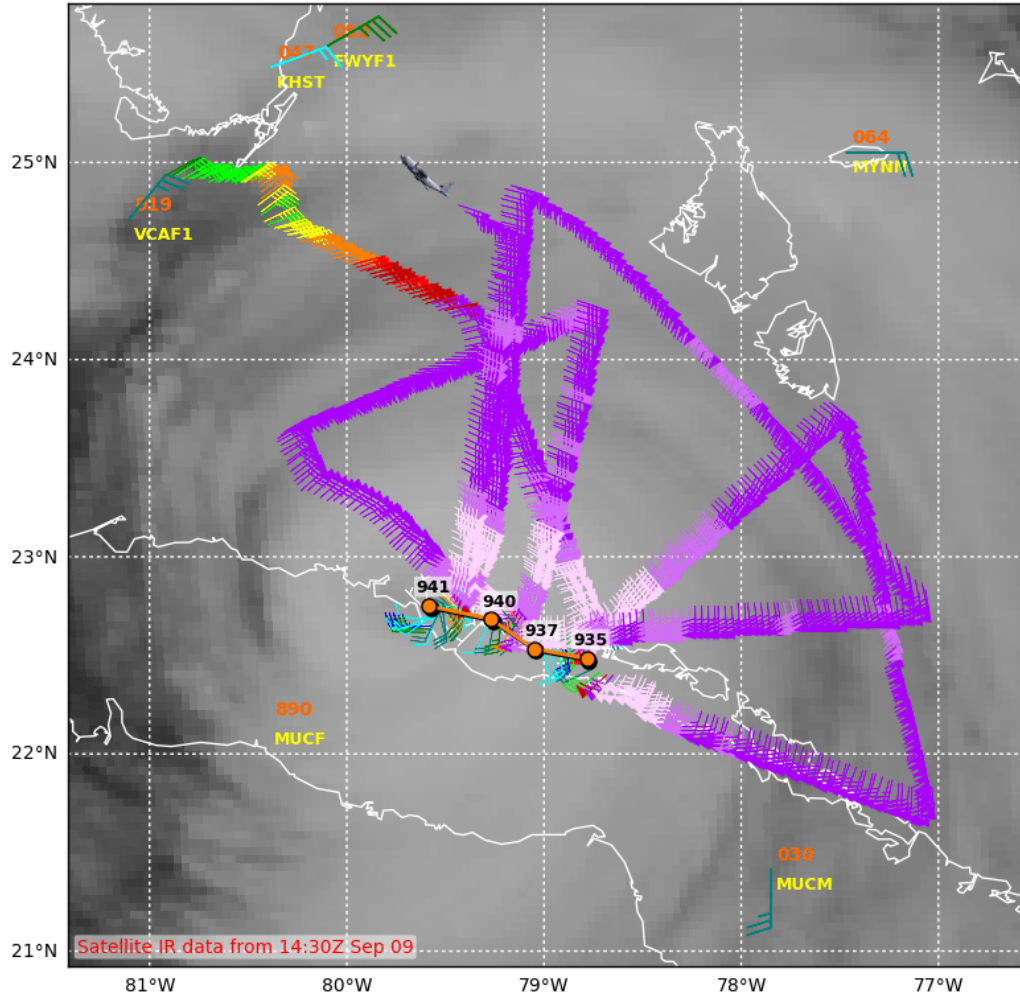
Mission

- FL100 Pressure
- 105nm legs
- IP will be 105 nm NW of center, outbound likely to E
- Last fix must be after 23Z
- Max wind drops on first pass (if possible)
- Center drops on all passes

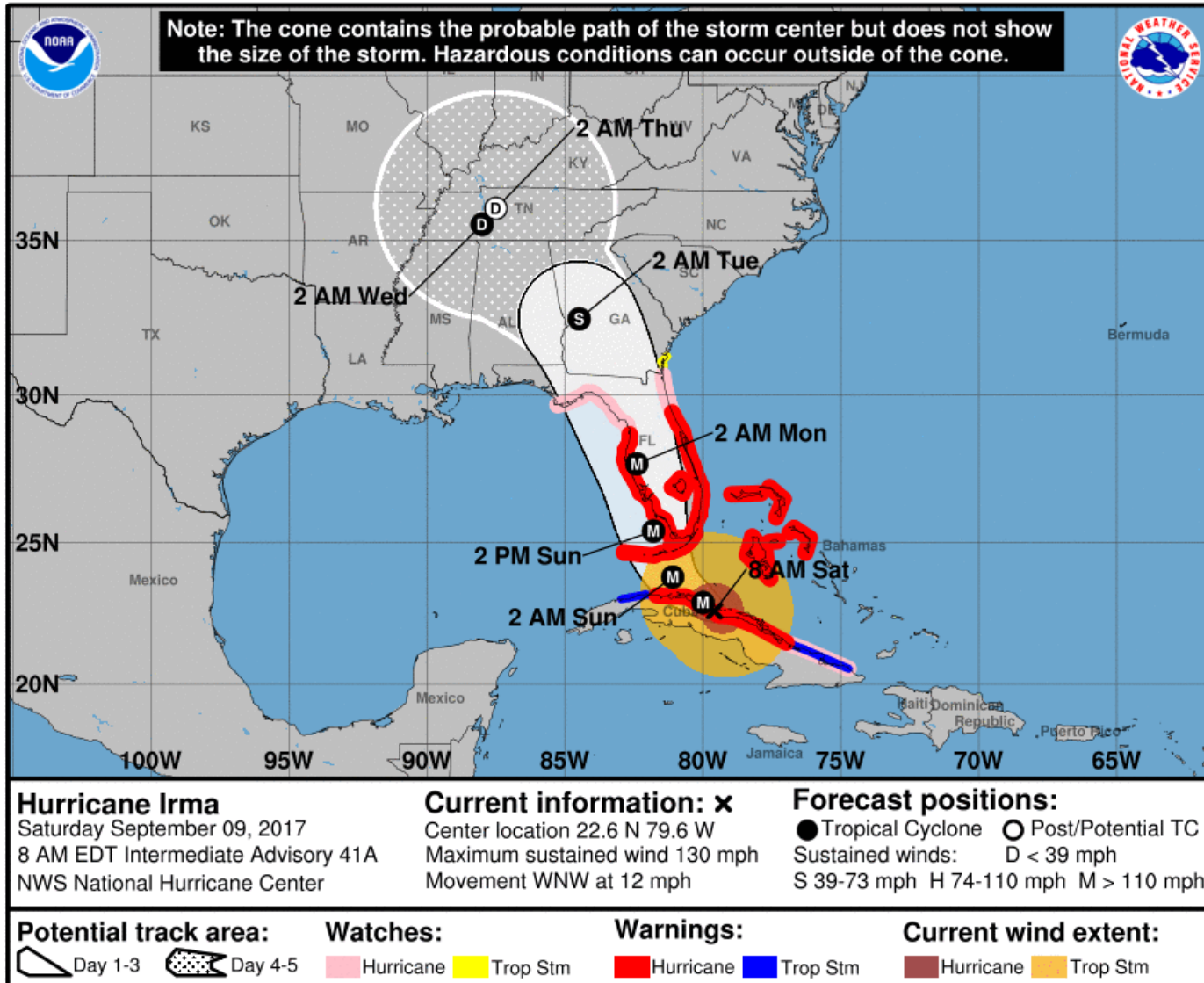
Last AF track

AF307 Recon Obs as of 14:37Z Sep 09, 2017

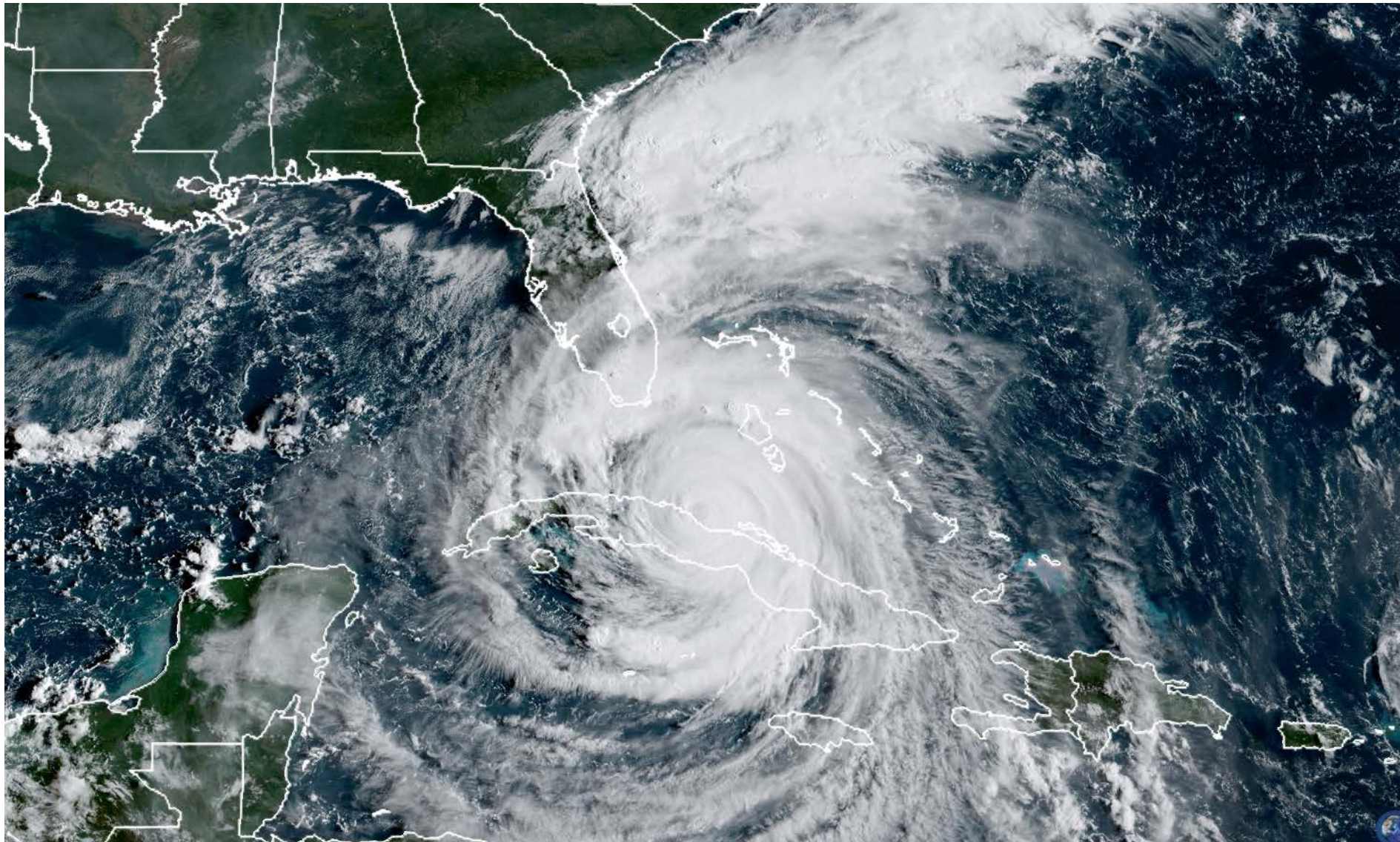
Levi Cowan - tropicaltidbits.com



STORM FORECAST



SATELLITE



Airfield Wx

- KLAL 091345Z 05012G17KT 10SM SCT013 27/24 A2990
- KLAL 091128Z 0912/1012 02010KT P6SM SCT010 BKN250
TEMPO 0912/0914 BKN010
FM091500 06015G22KT P6SM VCSH SCT020 BKN100
FM091800 05017G27KT P6SM VCTS SCT025CB BKN050
FM100100 02011G19KT P6SM FEW020 BKN050
- KMSY 091353Z 05011G16KT 10SM FEW050 24/17 A3006 RMK AO2 SLP180 T02390167
- KMSY 091226Z 0912/1012 05010G20KT P6SM SKC

Hazards

- Icing – Negative
 - Freezing / Melting Altitude 16,000+ ft
- Turbulence – in convection
- Volcanic Ash - Negative
- HD - yes
- Rapid Intensification – No
- Sea Salt Accretion Forecast – Negative
 - Boundary Layer - No
 - Lack of Precip - No
 - RH > 80% - Yes
 - Large sea surface / air temperature gradient - No
 - High Surface Winds - Yes
 - Long fetch / duration - No