

TROPICAL UPDATE

5 AM EDT

Sunday, September 10, 2017

Hurricane Irma, Hurricane Jose

This update is intended for government and emergency response officials, and is provided for informational and situational awareness purposes only. Forecast conditions are subject to change based on a variety of environmental factors. For additional information, or for any life safety concerns with an active weather event please contact your County Emergency Management or Public Safety Office, local National Weather Service forecast office or visit the National Hurricane Center website at www.nhc.noaa.gov.

Atlantic Basin Satellite Image

09:00 10-SEP-2017 GMT Copyright © 1998-2016 WSI Corporation http://www.wsi.com



Hurricane Irma 5 AM EDT Sun Sep 10 2017 Position 24.1-N 81.5 W Maximum Winds 1 30 mph Gusts 160 mph Movement NW at 8 mph Minimum Pressure 928 mb (27.39 inches)-

Eliue Marble basemap imagery courtesy NASA

Satellite 9:27 AM UTC 5:27 AM EDT

wunderground.com

State radar as of 07:00am EDT Sunday







95°W/ 90°W/ 85°W 80°W/ 75°W/







Sustained Wind Speeds: tropical storm >= 34kt/39mph istrong tropical storm >= 50kt/58mph invitable storm >= 64kt/74mph



[Download KML]

[Download Image]

Wind ThreatExtreme - Potential for wind > 110 mphHigh - Potential for wind 74 to 110 mphModerate - Potential for wind 58 to 73 mphElevated - Potential for wind 39 to 57 mphLittle to None - Wind < 39 mph</td>

Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds







Most Likely Arrival Time of Tropical-Storm-Force Winds





Report for Hurricane Irma Based on Advisory 45 Issued 9/10/2017 5 AM EDT

Wind Timing and Intensity Chart for Local Areas

Meaning Of Report

This chart represents wind arrival and departure details for select locations that are currently forecast to have tropical storm or greater winds during the next 72 hours.

Cautionary Note:

This information is quite specific and is subject to large forecast errors. You should NOT use these wind forecasts until just before landfall, and then only as a general indication of the expected wind patterns.

	Sunday 9/10												Monday 9/11												
	5 AM	7 AM	9 AM	11 AM	1 PM	3 PM	5 PM	7 PM	9 PM	11 PM	1 AM	3 AM	5 AM	7 AM	9 AM	11 AM	1 PM	3 PM	5 PM	7 PM	9 PM	11 PM			
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Storm Surge Warning Zoomable maps available here: <u>http://www.nhc.noaa.gov/</u> <u>refresh/graphics_at1+shtm</u> I/154730.shtml?wsurge#c

<u>ontents</u>

Probabilistic Storm Surge http://slosh.nws.noaa.gov /psurge2.0/index.php?S=Ir ma2017&Adv=34&Ty=e10 &Z=z4&D=agl&Ti=cum&M sg=17&Help=about

STORM SURGE INUNDATION

Above Normally Dry Ground









Extensive river flooding expected across much of the Florida Peninsula





NOAA/NWS/Storm Prediction Center

Updated: 20170910/0347 UTC

Hurricane Jose Infrared Satellite Image

GOES-FLOATER AVN COLOR IR - SEP 10 17 09:15 UTC

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Hurricane JOSE Model Intensity Guidance



Forecast Hour



Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida







SEP 10 17 09:00 UTC METEOSAT-9 AVNCOLOR IR CH. EUMETSAT 4

Key Messages

- Irma is expected bring life-threatening wind and storm surge to the Florida Keys and southwestern Florida as an extremely dangerous major hurricane today.
- The threat of catastrophic storm surge flooding is high along the West Coast of Florida, where up to 15 feet of inundation above ground level is expected.
- Irma will bring wind impacts to much of Florida regardless of the exact track of the center.
- Irma is expected to produce very heavy rainfall and inland flooding.
- Significant river flooding is possible.

Summary

- At 7am EDT Saturday, Hurricane Irma was moving northwest at 8 mph with maximum sustained winds of 130 mph, making Irma a category 4 storm on the Saffir-Simpson hurricane wind scale.
- Irma is expected to maintain strength as it crosses the Florida Straits this morning, but it is now expected to remain a category 4 storm as is approaches Southwest Florida.
- On the current forecast track, Irma is crossing the Lower Keys this morning and will then move along or near the Florida West Coast this afternoon through Monday morning.
- The forecast then brings Irma into the Big Bend of Florida and southwestern Georgia late Monday morning through Monday evening.
- The forecast track again shifted slightly westward in this advisory as Irma has yet to make a north-northwest turn, potentially bringing Irma's center through eastern portions of Leon County around noon on Monday.
- Tropical Storm force winds extend out 220 miles from the center, and hurricane force 80 miles, meaning a large portion of the Peninsula and Big Bend may experience hurricane force winds and much of the state will at least feel tropical storm conditions.
- At 5am EDT Saturday, Hurricane Jose was located 200 miles north-northwest of the Northern Leeward Islands, which is about 1,000 miles southeast of Miami, Florida.
- Maximum sustained winds are near 130 mph, which is a Category 4 on the Saffir-Simpson Hurricane Wind Scale.
- Little change in intensity is expected overnight, but gradual weakening should begin by Monday.
- Jose is moving toward the northwest near 16 mph and this motion is expected to continue for the next day or so.
- However, after 48 hours, the models are in good agreement showing Jose slowing to a crawl and executing a slow loop well to the east of the Bahamas.
- Shower and thunderstorm activity associated with a tropical wave located several hundred miles west of the Cabo Verde Islands has become somewhat better organized today.
- Environmental conditions are expected to support at least some additional development, and a there is a 60% chance that a tropical depression could form in a few days while the system moves generally northwestward over the eastern Atlantic Ocean.

Florida Outlook

- Nearly all of the Florida Peninsula and Florida Panhandle will feel impacts from this system.
- A **Hurricane Warning** is now in effect for all Florida counties east of a the Apalachicola River, including Lake Okeechobee and Florida Bay.
- A **Storm Surge Warning** is now in effect from the Ochlockonee River southward around the Florida Peninsula to North Miami Beach and from Jupiter Inlet to Fernandina Beach, including the Florida Keys and Tampa Bay.
- A **Tropical Storm Warning** is in effect for Bay, Calhoun, Gulf, Holmes, Jackson, Walton, and Washington counties.
- Rainfall amounts could reach as high as 10-15" with isolated higher totals of 20" possible in the Peninsula. Lesser amounts of 4-9" are expected in the Big Bend and less than that in the Panhandle.
- Flash Flood Watches are in effect for the entire Peninsula and Big Bend.
- Significant river flooding is expected in the coming days in many rivers of Central and Southwest FL.
- Life-threatening storm surge will be impacting the West Coast of Florida today, especially SW FL.
- Isolated tornadoes are possible in the outer bands of Irma and will spread northward tonight and tomorrow. A **Tornado Watch** is in effect for South Florida, with additional tornado watches possible today for Central and Northeast Florida.
- Hurricane Jose does not pose a threat to Florida within the next 5-7 days, but should be monitored.

Another briefing packet will be issued midday Sunday. For more information, visit the NHC website at <u>www.hurricanes.gov</u>.



TROPICAL UPDATE

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State Meteorological Support Unit

Florida Division of Emergency Management

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