2011-Atlantic-TS Irene

Posted by jcpalmer - 2011/08/21 13:59

Could Irene be the first hurricane to impact the US coast this year?

Right now, it is looking like it might be!

Currently, the forecast track is putting it to hit the tip of Florida head on and sliding right up the east coast.

https://my.sfwmd.gov/sfwmd/common/images/weather/plots/storm_09.gif

However, Irene still has to survive what is known as the "Hurricane Shredder" of Hispanola, Puerto Rico, etc.

Satellite imagery from this morning shows Irene is really starting to take shape!

http://www.tornadovideos.net/images/fbfiles/images/HUVS.JPG

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Re:2011-Atlantic-Hurricane Irene

Posted by jcpalmer - 2011/08/22 09:42

So overnight, Irene has begun to strengthen.

As of this morning, it doesn't appear that the forecast track has changed much. Irene has her eye on Savannah, GA to Charleston, SC very early Saturday morning. She's currently forecasted to be a Cat 2 storm when she hits the coast.

Radar from Puerto Rico is beginning to show a defined eye.

https://lh3.googleusercontent.com/-NBdU33RURpw/TlIjpTDPryI/AAAAAAAAAMc/SFGC5Vgd4zk/s800/Hurricane%252520Irene%25252082211.png

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Re:2011-Atlantic-Hurricane Irene

Posted by jcpalmer - 2011/08/23 08:54

The GFS has Irene hugging the East coast pretty tightly and pretty much affecting the entire thing!

This is bad news... Right now, it looks like Irene will be colliding with the outer banks (again slightly further east than the previous track).

GFS at 114 hr showing the eye impacting the outer banks of NC.

http://www.twisterdata.com/data/models/gfs/3/maps/2011/08/23/00/GFS_3_2011082300_F114_WSPD_10_M_ABOVE_GROUND.png

GFS at 150 hr showing the impact to NYC and Boston.

http://www.twisterdata.com/data/models/gfs/3/maps/2011/08/23/00/GFS_3_2011082300_F150_WSPD_10_M_ABOVE_GROUND.png

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Re:2011-Atlantic-Hurricane Irene

Posted by NCtraveler - 2011/08/23 18:05

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Right now personally I'm not buying into the prospect of Irene recurving without at least beating up the OBX and coastal NC. The trajectory through the Bahamas means that for Irene to get out without landfall she'll need to make a pretty hard turn to the NE and based on the synoptic situation I don't think that's gonna happen. The real tell will be how soon Irene makes the turn towards the north from the northwest.

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Re:2011-Atlantic-Hurricane Irene

Posted by jcpalmer - 2011/08/24 09:34

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As of the morning advisory, pressure has dropped to 962mb and winds remain at 110mph. Irene is expected to develop into a major hurricane by this afternoon.

I still do not believe the actual eye is going to make landfall in this storm. Again, not to say that the East coast is not going to be affected, but will the eye make landfall?

This morning the models are again showing the trend to the east.

http://icons-ecast.wunderground.com/data/images/at201109_model.gif

The GFS shows the eye just off the coast of NC at 00z on 8/28. Hurricane force winds will be punishing the coast line at this time.

http://www.twisterdata.com/data/models/gfs/3/maps/2011/08/24/00/GFS_3_2011082400_F96_WSPD_10_M_ABOVE_GROUND.png

And again.... the GFS shows possible landfall in New England. It is still a bit far off to completely believe it, IMO. Hurricanes are tricky characters!

http://www.twisterdata.com/data/models/gfs/3/maps/2011/08/24/00/GFS_3_2011082400_F96_WSPD_10_M_ABOVE_GROUND.png

She is a beauty, though....

http://www.tornadovideos.net/images/fbfiles/images/HUIR.JPG

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Re:2011-Atlantic-Hurricane Irene
Posted by ThunderMan - 2011/08/25 16:46

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This picture comes courtesy of Sky News. (www.skynews.com)
http://www.tornadovideos.net/images/fbfiles/images/16056617.jpg

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Re:2011-Atlantic-Hurricane Irene
Posted by NCtraveler - 2011/08/25 21:33

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5 pm advisory has yet another westward track shift.

Before I paste the NHC information, I'd just like to say this to those about to be affected by this storm:

Take this seriously. If you live in a hurricane warning area, and you are in an area prone to flooding or storm surge, please don't play with this storm. This storm may be a Category 3, forecast to weaken to a Category 2, but the biggest issue here will not be the winds, but the storm surge. Surge over 15 feet is very possible wherever this storm goes. I wouldn't be surprised if the Outer Banks are underwater after this storm is through. This also goes for anybody further north into the Mid-Atlantic and New England and also likely to be affected by storm surge. This is not a "it's happened before" or "it'll just die" kind of situation. If you're in a flood zone, get out. If an evacuation order is issued, get out. Also, please seriously consider evacuation if you feel your home will not stand up to 120 mph winds or if there are any trees threatening your home.

That said, here's the latest information from the National Hurricane Center. You can find all of their products at http://www.hurricanes.gov/.

BULLETIN
HURRICANE IRENE ADVISORY NUMBER 22
NWS NATIONAL HURRICANE CENTER MIAMI FL AL092011
500 PM EDT THU AUG 25 2011

...IRENE STILL BATTERING ABACO ISLAND...NEW WATCHES AND WARNINGS
ISSUED FOR THE EAST COAST OF THE UNITED STATES...

SUMMARY OF 500 PM EDT...2100 UTC...INFORMATION

LOCATION...27.0N 77.3W
ABOUT 575 MI...930 KM S OF CAPE HATTERAS NORTH CAROLINA
MAXIMUM SUSTAINED WINDS...115 MPH...185 KM/H
PRESENT MOVEMENT...NNW OR 335 DEGREES AT 14 MPH...22 KM/H
MINIMUM CENTRAL PRESSURE...950 MB...28.05 INCHES

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A HURRICANE WARNING IS IN EFFECT FOR...
* THE NORTHWESTERN BAHAMAS
* THE COAST OF NORTH CAROLINA FROM LITTLE RIVER INLET NORTHWARD TO THE VIRGINIA BORDER...INCLUDING THE PAMLICO...ALBEMARLE...AND CURRITUCK SOUNDS

A HURRICANE WATCH] IS IN EFFECT FOR...
* THE VIRGINIA/NORTH CAROLINA BORDER NORTHWARD TO SANDY HOOK NEW JERSEY...INCLUDING DELAWARE BAY...AND CHESAPEAKE BAY SOUTH OF SMITH POINT.

A TROPICAL STORM WARNING IS IN EFFECT FOR...
* NORTH OF EDISTO BEACH SOUTH CAROLINA TO LITTLE RIVER INLET

A TROPICAL STORM WATCH IS IN EFFECT FOR...
* CHESAPEAKE BAY FROM SMITH POINT NORTHWARD AND THE TIDAL POTOMAC.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. A WARNING IS TYPICALLY ISSUED 36 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

http://www.ssd.noaa.gov/goes/flt/t2/vis.jpg

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