

From: American Meteorological Society
Sent: Monday, September 2, 2019 8:06 AM
To: mary.erickson@noaa.gov
Subject: Open Forum Digest for Monday September 2, 2019



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started 3 days ago, [Daniel Wing-Lin Chan](#) (1 reply)

[Dorian Path Prediction](#)



1. [Regarding your "why" question, there are 3 main...](#) John Shewchuk

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Sep 1, 2019 5:23 PM

[John Shewchuk](#)

Regarding your "why" question, there are 3 main reasons...

- 1 - insufficient data initialization.
- 2 - incomplete knowledge of tropical cyclone meteorology.
- 3 - modelers use different fudge factors to remedy 1 & 2.

John Shewchuk, CCM

Eosonde Research Services, LLC.
www.raob.com

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Original Message:

Sent: 08-29-2019 08:40

From: Daniel Wing-Lin Chan

Subject: Dorian Path Prediction

The predicted path of hurricane Dorian seemed to be all over the place.

From this site, I can see model outputs from both GFS and ECMWF.

[Numerical Weather Prediction Maps | MeteoCentre.com](#)
meteocentre.com/numerical-weather-prediction

Two days ago, when I looked at GFS. Dorian dissipated before reaching Florida. Then, GFS said that Dorian will barrow down near Jacksonville area, but ECMWF was putting Dorian's path more to the south, making landfall near Daytona Beach Area. DWD-ICON (German weather model) even put Dorian to Miami.

It seemed to be a lot of discrepancies between runs for GFS and between models. Any insights as to why? or as forecasters, how should we convey such uncertainties, other than withholding the details as the forecasts are still too far out?

Dan Chan
Dunwoody GA

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