

TROPICAL UPDATE



2:00 PM EDT

Friday, October 16, 2020 Invest 94L – Central Atlantic (60%) Low to Develop in Caribbean (30%)

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.hurricanes.gov.



PRICE OF THE GOVERNOR

Tropical Weather Outlook

Possible Area of Development During the Next 5 Days (LINK) – Invest 94L

Five-Day Graphical Tropical Weather Outlook National Hurricane Center Miami, Florida



Shower activity associated with a broad non-tropical low pressure system located about 600 miles eastsoutheast of Bermuda is continuing to become better organized, and satellite wind data indicates that the circulation has become somewhat better defined.

Additional development of this system is expected, and a subtropical or tropical depression could form during the next few days while the low meanders over the central Atlantic well to the southeast of Bermuda.

This system does not need to be monitored for Florida impacts at this time, if at all.

*Formation chance through 48 hrs...medium...40% *Formation chance through 5 days...medium...60%

Tropical Weather Outlook

Possible Area of Development During the Next 5 Days (LINK)



A broad area of low pressure is expected to form early next week over the southwestern Caribbean Sea.

Some gradual development of this system will be possible through the middle of next week while it moves slowly over the southwestern or western Caribbean Sea.

This system may need to be monitored next week.

*Formation chance through 48 hrs...low...near 0% *Formation chance through 5 days...low...30%



Steering Currents

What is Moving the Systems?

Color denotes the movement speed through the atmosphere and thin white lines denote direction. Tightly clustered white lines represent faster movement as well.

94L will meander over the central Atlantic before the high pressure system to its north begins to push the system southwestward. The area of low pressure expected to develop next week will remain generally stationary or drift slowly northwestward.





Wind Shear

Is the environment favorable for the systems?

Color denotes the amount of wind shear and the lines denote how it have changed over the last 24 hours (dotted lines show decreasing shear and solid lines show increasing.



Dry Air & Saharan Dust

Is the environment favorable for the systems?

Next Week

Color denotes concentration of Saharan Dust or dry, stable air.

Delta is in an area of high moisture (favorable for development) until later in the week when it reaches the northern Gulf of Mexico.

Moist

VIOIS

Sea Surface Temperatures & Anomalies

Is the ocean favorable for the system?



Satellite Imagery

Invest 94L – Central Atlantic

FDEN



Invest 94L has become better organized through the day. 94L is also under an upperlevel low, which could mean that it acquires subtropical characteristics instead of being fully tropical.



Model Forecast Tracks

Ensembles, Dynamical, and Statistical Models





Model Forecast Tracks

Ensembles, Dynamical, and Statistical Models



The area of low pressure in the Caribbean may develop next week. Models are split on strength, but a general northwestward drift is expected once it forms and continue well into next week.



Overall Summary

Invest 94L (Central Atlantic)

- A non-tropical area of low pressure about 600 miles east-southeast of Bermuda has become better organized today.
- Development into a subtropical or tropical depression is expected over the next few days as it meanders over the central Atlantic.
- This system has a 40% (medium) chance of formation during the next 48 hours and a 60% (medium) chance during the next 5 days.
- The next name on the list is Epsilon.

Caribbean Low

- An area of low pressure is forecast to develop over the southwest Caribbean Sea next week.
- This area of low pressure will then drift slowly over the western or northwestern Caribbean Sea.
- This system has a 30% (low) chance of formation during the next 5 days.

Florida Outlook:

- Invest 94L does not pose a threat to Florida over the next 5 days, if at all.
- The low in the Caribbean should be monitored next week.

The next briefing packet will be issued Saturday. For the latest information on the tropics, please visit the National Hurricane Center website at <u>www.hurricanes.gov</u>.



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