

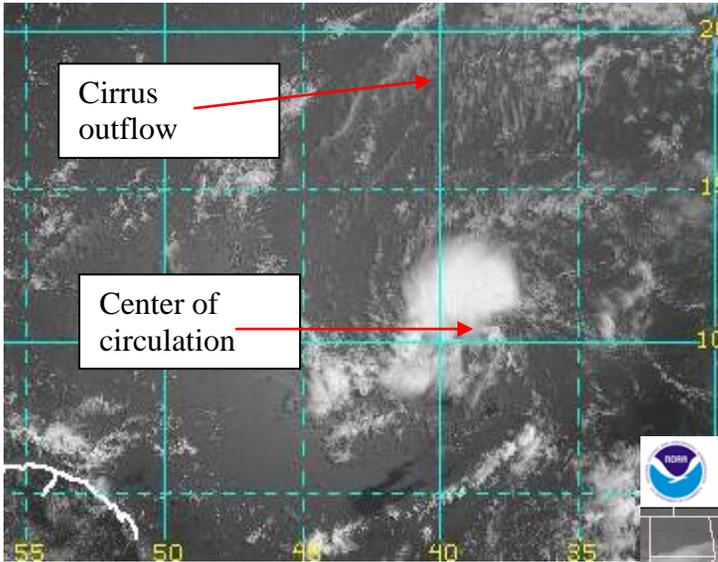


# Tropics Update: June 14, 2010---Page 1



In this update:

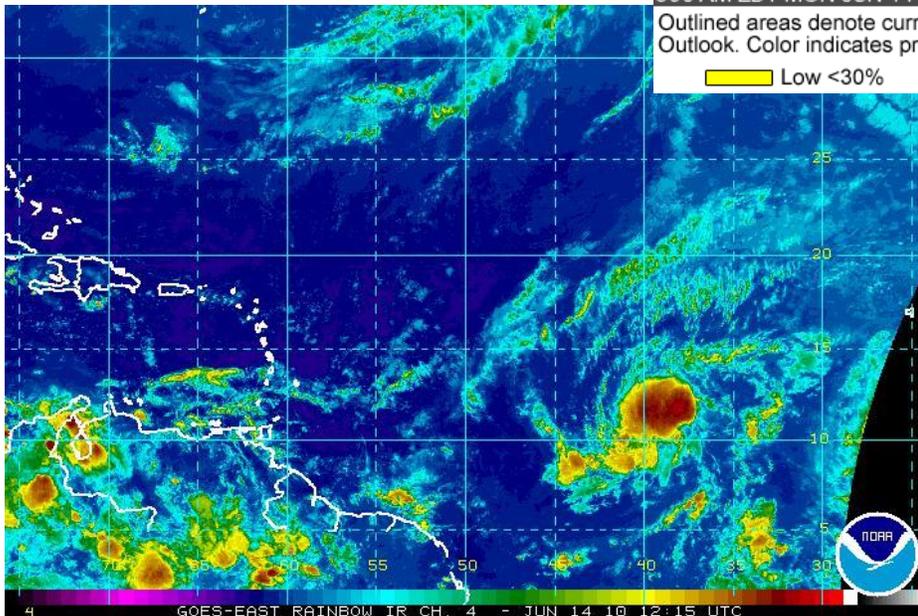
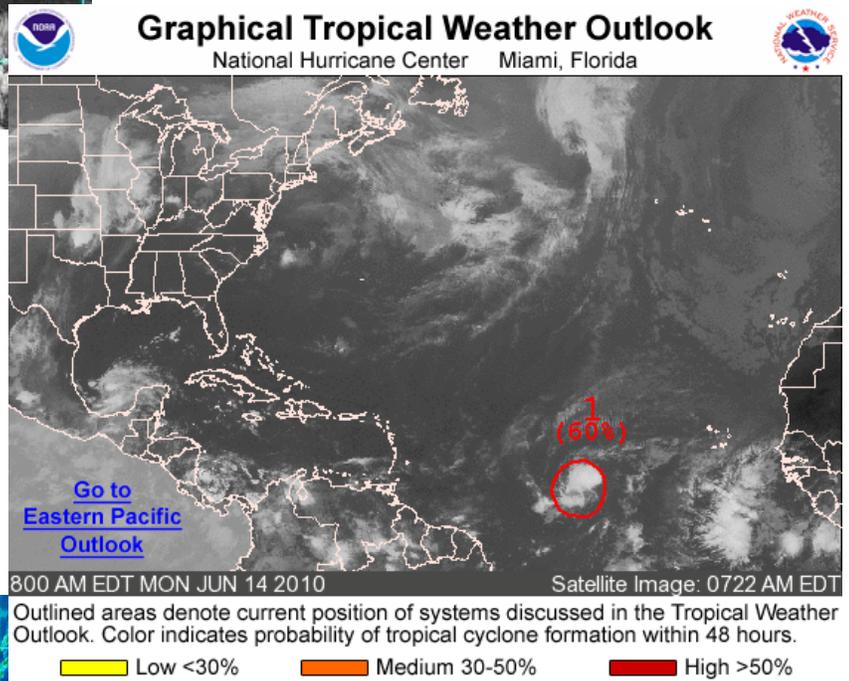
- Tropical wave organizes in the central Atlantic



A tropical wave, which emerged off the west African coast last week, began to show signs of organization over the weekend. Banding features of storm activity appeared on Sunday and the National Hurricane Center highlighted the wave as having a 50% chance of development. Overnight and early Monday morning, additional storm development near the center began to develop and the National Hurricane Center indicated a 60% chance for development early Monday morning. Satellite-based winds from yesterday revealed that the system already has a closed circulation, though it is elongated.

Latest satellite imagery shows that the circulation is steadily consolidating, with spiral bands building inward towards center, and rather impressive cirrus upper-level outflow established to the northwest and north.

At 8am EDT, the tropical wave was located about 1,425 miles east-southeast of the Windward Islands, or approximately 2,940 miles southeast of Miami, Florida.



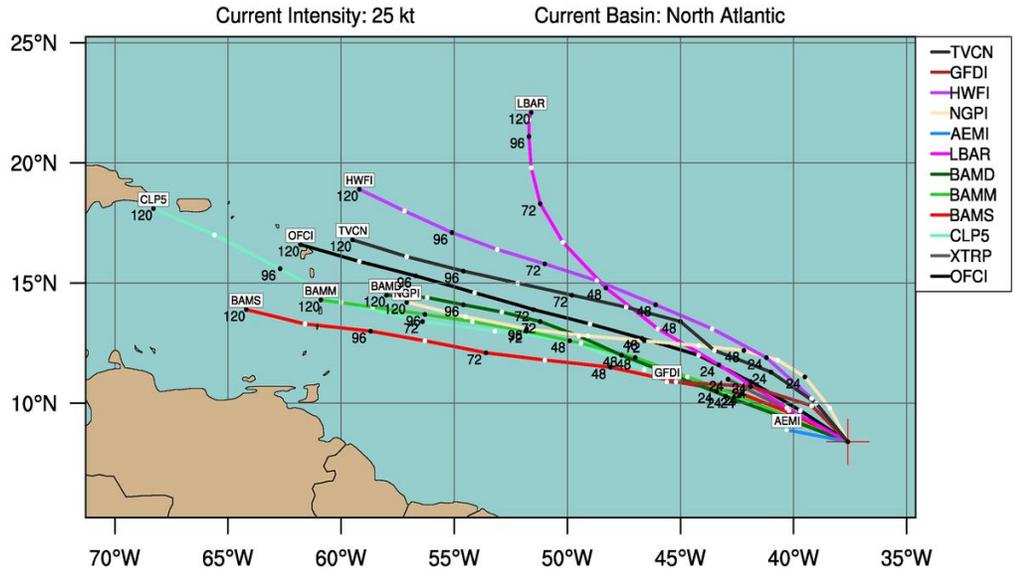
Maximum sustained winds are estimated near 25kts (29mph). Atmospheric and oceanic conditions are favorable for further development and it could become Tropical Depression #1 or Tropical Storm Alex within the next 24 to 48 hours.

## DISTURBANCE INVEST (AL92)

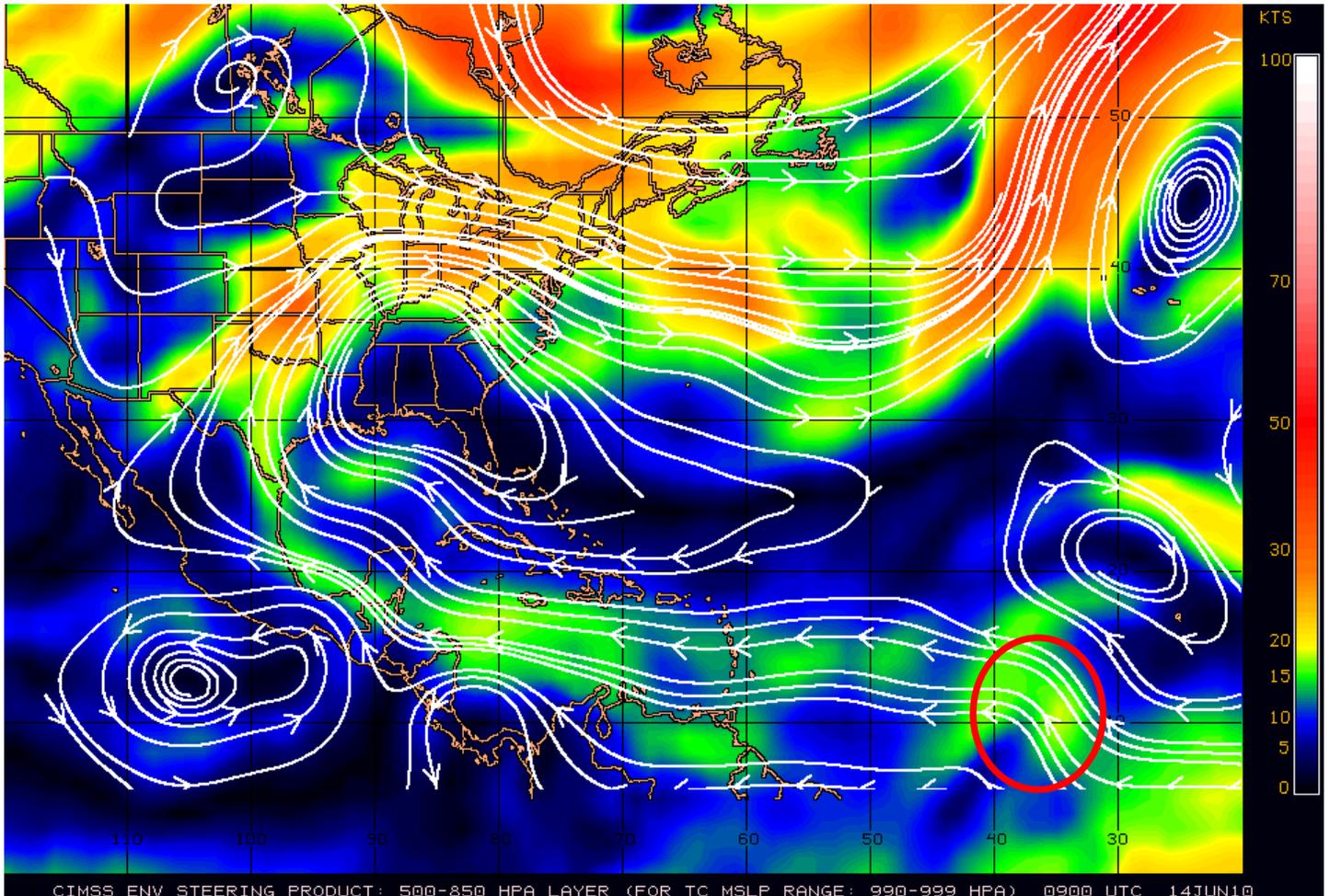
Early-cycle track guidance valid 0000 UTC, 14 June 2010

The wave is currently moving northwest, and a general northwest motion is expected through the next 24 hours before a possible movement more towards the west-northwest.

The wave is being steered by a fairly light pressure pattern in the central Atlantic. Large and strong upper level high pressure is centered over the Southeastern U.S., with a smaller and weaker high pressure area northwest of the Cape Verde Islands. The influence of the closer Cape Verde high pressure area will act to initially steer the storm northwest before moving more westerly, which is in line with what computer models are predicting.



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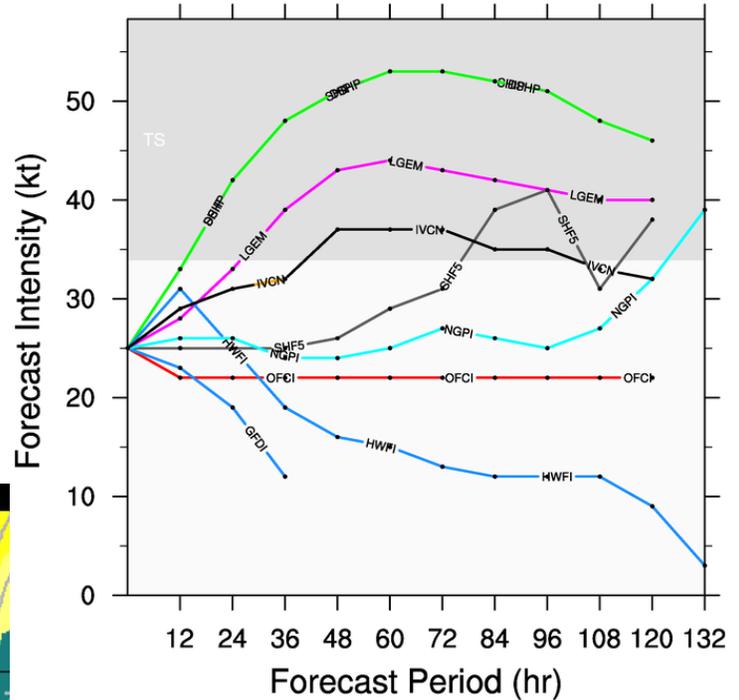


Though track models are in good agreement, intensity models are a little more spread out with this system. Some bring the system to tropical storm status while others keep the system weak.

What will act to inhibit significant development is an area of wind shear to the north and northwest of the system. Models predict this area of shear to weaken over the next 2-3 days, but should remain in the area around 30kts, which may be just enough to significantly weaken the storm system. In addition, as the system approaches the Lesser Antillies, dry air may increase. Water vapor imagery shows a band of dry air just east of the Windward Islands. However, a moist environment in the near future should continue to promote storm development.

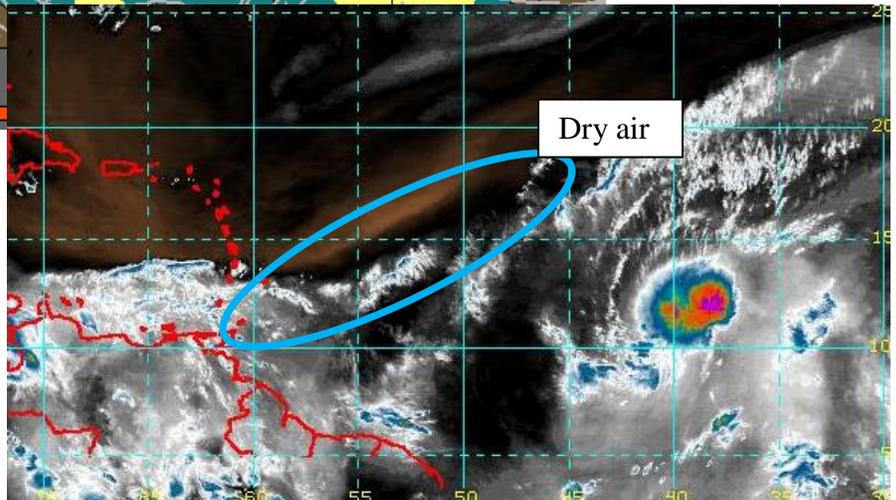
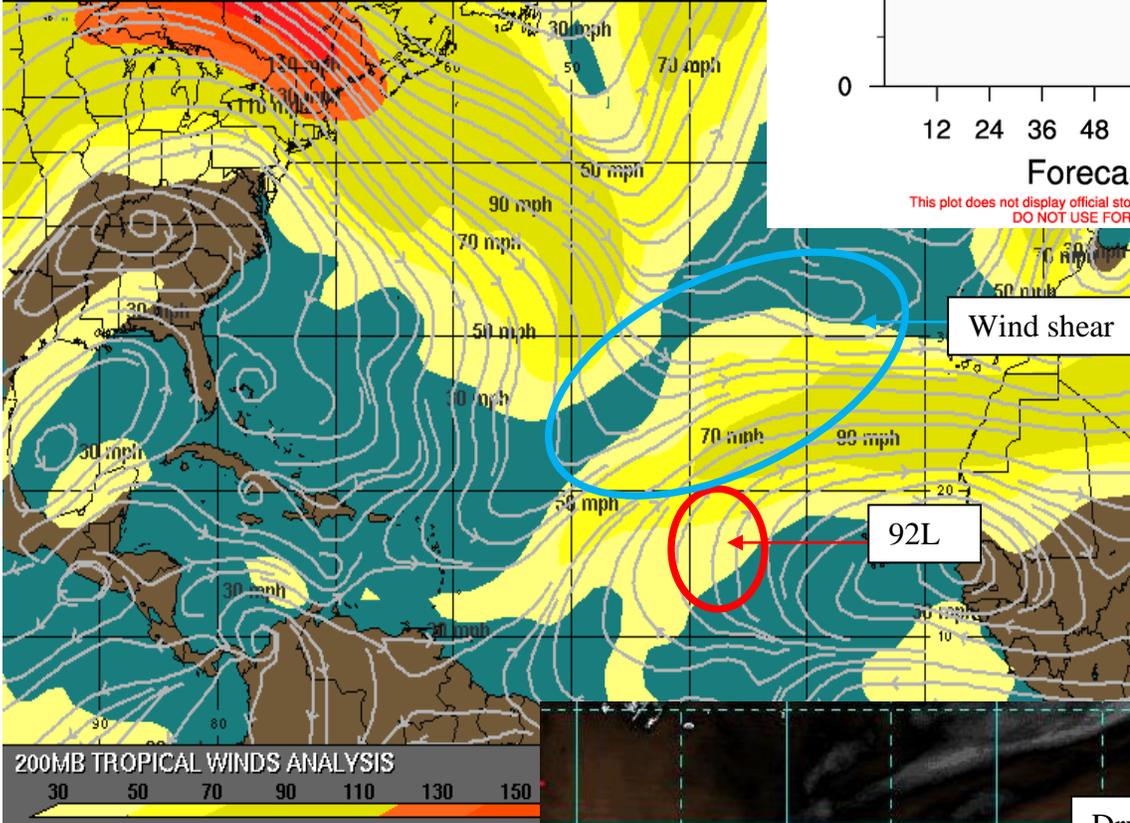
## DISTURBANCE INVEST (AL92)

Early-cycle intensity guidance  
valid 0000 UTC, 14 June 2010



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## Summary:

- A tropical wave is intensifying in the central Atlantic Ocean.
- Maximum sustained winds are near 25mph.
- The system is approximately 1,425 miles ESE of the Windward Islands, or about 2,940 miles SE of Miami.
- System is expected to move west-northwest towards the Lesser Antilles this week.
- The more reliable computer models are predicting that the wave will develop into a moderate strength tropical storm that will then be weakened or destroyed by the end of the week, before it reaches the islands.
- This a rare June system, as only 1 other named storms has ever formed between Afrfica and the Lesser Antillies in the month of June—Tropical Storm Ana in 1979.
- Additional information can be found at [www.nhc.noaa.gov](http://www.nhc.noaa.gov)

**Another update will be issued Tuesday morning or if the system is named**

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