



ALERT No. 4 Tropical Storm Isaac

AUGUST 22, 2012

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ART'S EMERGENCY CENTER REPORT

The **AmericasRelief Team's** emergency center has not been activated; the center is staffed to help coordinate the shipping of relief aid to victims of the event. However, we anticipate that air relief flights, ocean relief space and co-loading opportunities will develop. We will notify our colleagues, friends and partners of space-available opportunities as this emergency develops.

TROPICAL STORM ISAAC

The Air Force Reserve hurricane hunter aircraft monitoring Isaac during the night reported that the inner core wind field became disorganized after 0600 UTC. A couple of microwave overpasses suggest that the circulation center became elongated during this time....and the center is not readily apparent in French radar data from Martinique and Guadeloupe. The initial intensity is held at 40 kt. based on aircraft-reported winds north of the center. While the central core is disorganized...the overall structure of the storm is improving...as satellite imagery shows a large outer band forming around the central convective feature.

The initial motion is a somewhat uncertain 280/15...as it is unclear how much of the observed northward nudge was due to re-formation of the center. Other than that...there is no significant change to the previous forecast track or reasoning during the first 48-72 hr. of the track forecast. The east-west oriented subtropical ridge to the north of Isaac along 30n latitude is forecast by all of the global models to remain intact across Florida and the southeastern U.S. during that time. This early part of the forecast track is an update of the previous forecast. After that time...the ridge is expected to weaken somewhat as a mid/upper-level trough moves onto the eastern United States. The models diverge on their forecasts of the ridge. The ECMWF does not break the ridge...and thus forecasts a more westward motion near or south of Cuba. The Canadian and NOGAPS have a large break in the ridge and turn Isaac northward east of Florida. The UKMET has a break in the ridge over the northern Gulf Coast and moves the cyclone over the Florida Peninsula. The GFS shows a break in the ridge east of Florida... but forecasts Isaac to bypass the break and move near the southwest coast of Florida. This decreased-confidence portion of the forecast track is shifted a little west of the previous track to lie near the consensus models.



Water vapor imagery and microwave total perceptible water data show dry air to the northeast of Isaac...and a lack of convection in this area suggests some of this air is entraining into the cyclone. Otherwise...environmental conditions appear favorable for intensification until the center reaches Hispaniola in about 48 hr. After that...the intensity will be determined by how much time Isaac spends over land. The new forecast is similar to the previous forecast through 48 hr...Then is reduced a little based on increased land interaction in the new forecast track.

A Hurricane Warning will likely be required for portions of the Dominican Republic this afternoon. It should be noted that while none of the forecast points are over land...the cyclone is forecast to move over Hispaniola and Cuba from 48-96 hr.

To track the latest tropical activity, please visit our [website](#).

FAST, EASY SHIPPING WITH OUR RELIEF CALCULATOR

Through **AmericasRelief Team's** new Freight Calculator, we are able to offer hassle free shipping with immediate quotes and preferential pricing. Please visit our [website](#) to learn more.



FREE PREPOSITIONING & STAGING WAREHOUSE

While we hope that this hurricane season will prove to be less active than predicted, we all know that natural disasters will inevitably strike—suddenly and horrifically—somewhere in the region. Therefore **AmericasRelief Team** and corporate partner Laparkan, have arranged for the use of a prepositioning and staging warehouse at no cost to NGOs. Visit our [website](#) for details.

AmericasRelief Team
P.O Box 546135
Miami, Florida 33154
T (305) 884-0441
info@americasrelief.org



Emergency Response Center
3775 NW 77 Street
Miami, Florida 33147
Use NW 75 Street Entrance
T (305) 836-4393

HUMANITARIAN LOGISTICS TOOLS



ART provides leadership to NGOs by bringing together innovation, ideas and technology on humanitarian logistics. For more information on humanitarian logistics tools please visit our [logistics page](#). Here you can find our Logistics & Transportation Guide, our Logistics Help Request Form, and other valuable information.

MEDIA PARTNERS



We are proud of our media partnership; created to give South Floridians an opportunity to reach out and help those who have been directly affected by catastrophic events.



AmericasRelief Team is a Florida private sector collaboration of corporations and non-profit organizations created to help our friends in the Americas in times of crisis and disasters.

AmericasRelief Team reacts to immediate crisis, provides ongoing logistics assistance, and conducts plans for future events in the region which will require effective coordination of humanitarian relief.

AmericasRelief Team
T (305) 884-0441



F (305) 260-4214
info@americasrelief.org
www.americasrelief.org

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