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Weather Research Center



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Gulf Coast has the Highest Risk of a Landfall of a Tropical Cyclone During 2013 Hurricane Season

Houston, TX – According to meteorologist Jill Hasling of Weather Research Center (WRC) in Houston, the gulf coast has a 70% chance of experiencing a landfall of a tropical storm or hurricane this year. The section of the coast with the second highest risk is the coast from Georgia to North Carolina with a 60% chance.

The secondary predictors in the index call for at least 9 to 12 named storms with 6 of them intensifying into hurricanes.

There is a 90 percent chance a Category 3 or stronger hurricane would form somewhere in the Atlantic.

The outlook called for a high chance that 3 or more tropical storms or hurricanes would make landfall somewhere along the U.S. Coast.

There is an indication that the 2013 Season will have cyclones as early as May [22% chance of a May tropical cyclone] and as late as November with a 55% chance of a November tropical cyclone. There is a high chance of intense hurricanes occurring somewhere in the Atlantic.

2013 is in Phase 6 of the Orbital Cyclone Strike Index. The years used to create this outlook were 1872, 1883, 1894, 1906, 1918, 1928, 1938, 1949, 1959, 1969, 1981, 1991 and 2001. Memorable tropical cyclones in these years were the east coast 1938 hurricane, Hurricane Camille in 1969 and Tropical Storm Allison in 2001. So we could have an interesting 2013 hurricane season.

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2013 WRC OCSI FORECAST FOR THE ATLANTIC

<u>COAST</u>	<u>WRC OCSI</u>	<u>CLIMATOLOGY</u>
Texas	30%	51%
Mexico	40%	40%
Louisiana to Alabama	70%	59%
West Florida	70%	71%
East Florida	10%	41%
Georgia to N. Carolina	60%	56%
East Coast of U.S.	10 %	36%

Other 2013 Predictors from WRC's OCSI

Number of Named Storms	OCSI 9 -12
Number Intensifying into Hurricanes	6
Number of Hurricane Days	20
Number of Tropical Storm Days	64
U.S. Landfalls	3
Category 3, 4 or 5 Storms in the Atlantic Basin	90%

About Weather Research Center and the Orbital Cyclone Strike Index

Houston-based Weather Research Center is one of a handful of organizations that makes seasonal hurricane predictions. WRC uses a model called Orbital Cyclone Strike Index (OCSI) which uses the solar cycle (an indication of the solar system's orbit) to predict the risk for coastal residents each hurricane season. The OCSI model is based on the premise that there are orbital influences reflected in the global circulation pattern on the sun as well as the global circulation pattern of the earth. These orbital influences are reflected in the 11.1-year sun spot cycle.

In addition to its ongoing research, WRC also provides storm and hurricane information via the Internet through Storm Navigator®. This service offers detailed storm updates and related information. WRC's current and past predictions can be found at www.wxresearch.com/outlook.

Founded in 1987, the non-profit Weather Research Center manages a worldwide forecasting operation and provides groundbreaking research to scientists around the world. Meteorologists provide tropical cyclone advisories worldwide, severe weather advisories, marine forecasts, long-range outlooks, environmental studies and forensic meteorology services. WRC provides research into tropical cyclones as well as real-time weather forecasts. WRC can also provide you with an assessment of your severe weather and tropical weather plans.

Jill F. Hasling, WRC President, is a Fellow and Certified Consulting Meteorologist from the American Meteorological Society as well as a member of the National Council of Industrial Meteorologists. For more information about Weather Research Center and the John C. Freeman Weather Museum, please call (713) 529-3076 or visit www.wxresearch.com.

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