



**T.S. HELENE BECOMING EXTRA-TROPICAL OVER
 NORTHEASTERN ATLANTIC OCEAN...
 ELSEWHERE CONDITIONS ARE QUIET...**

This morning's satellite photo of the Atlantic Ocean shows Tropical Storm Helene in the Northeast Atlantic Ocean. Helene is becoming extra-tropical as the storm approaches the British Isles. Elsewhere, a poorly organized tropical wave is located approximately 1000 miles East of the Northern Leeward Islands. This wave is not in a favorable environment for development at this time. No other tropical formation is expected during the next few days in the Gulf of Mexico or Caribbean. The next weekly tropical update will be issued on Monday October 2nd or sooner if a storm develops.

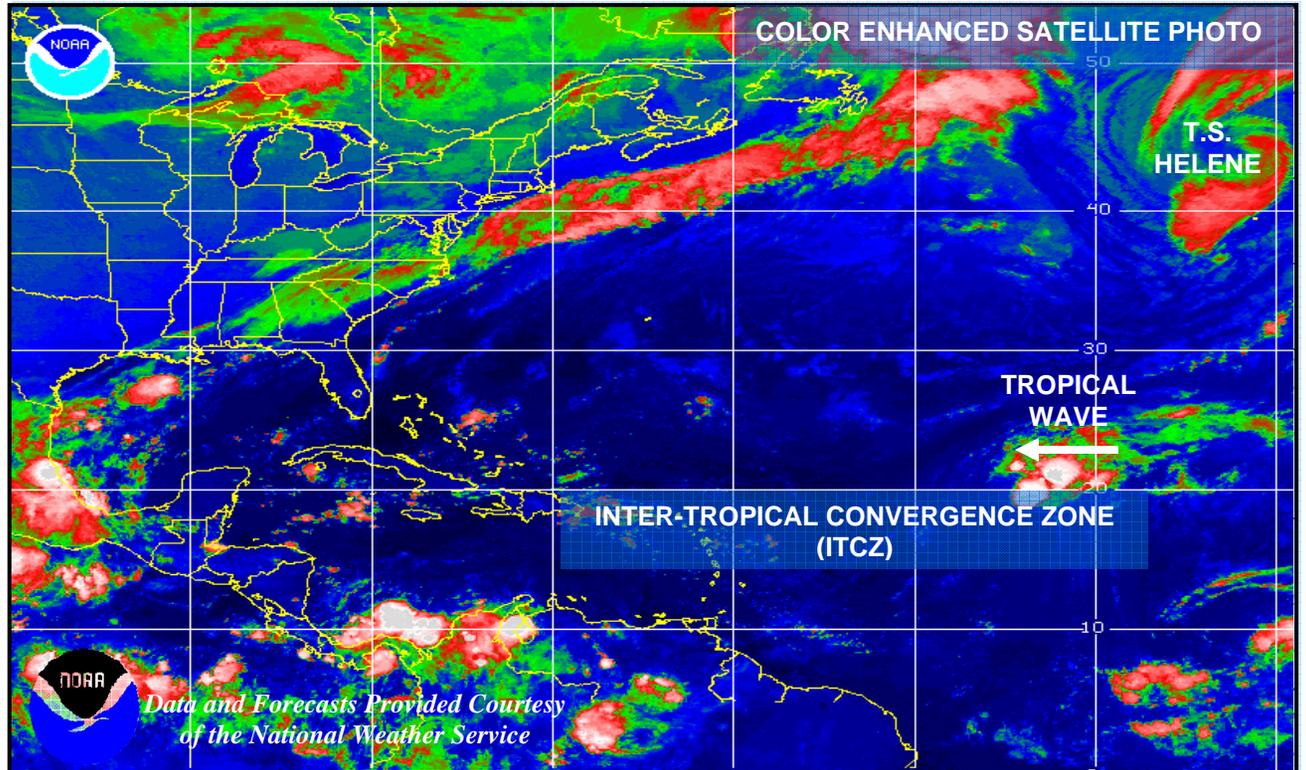
**WHY HAS THIS HURRICANE SEASON BEEN SO
 QUIET FOR THE UNITED STATES?...**

Two factors have made this an un-expectantly quiet hurricane season for the U.S; 1) The storm track for most of the tropical storms and hurricanes this year has been farther East (towards Bermuda and the open Atlantic Ocean) than expected, and 2) The development of a weak El Nino and a very active Eastern Pacific Hurricane Season have created wind shear over the Gulf of Mexico and Caribbean which has stunted the development of hurricanes.

SAFFIR / SIMPSON HURRICANE SCALE

Category	Sustained Wind Speed	Storm Surge
Tropical Storm	39 – 73 MPH	< 4 Feet
I	74 – 95 MPH	4 – 5 Feet
II	96 – 110 MPH	6 – 8 Feet
III	111 – 130 MPH	9 – 12 Feet
IV	131 – 155 MPH	13 – 18 Feet
V	>155 MPH	> 18 Feet

For more information on the Saffir / Simpson Hurricane Scale please visit the National Hurricane Center website at <http://www.nhc.noaa.gov/aboutshs.shtml>



This product is a public service of the Department of Emergency Management and Homeland Security, and is intended for informational purposes only. DEMHS assumes no liability for the use or distribution of this product or any actions resulting from this product.

**HOMELAND SECURITY
 ADVISORY SYSTEM**

**THREAT CONDITION
 ELEVATED**

Significant risk of terrorist attack

