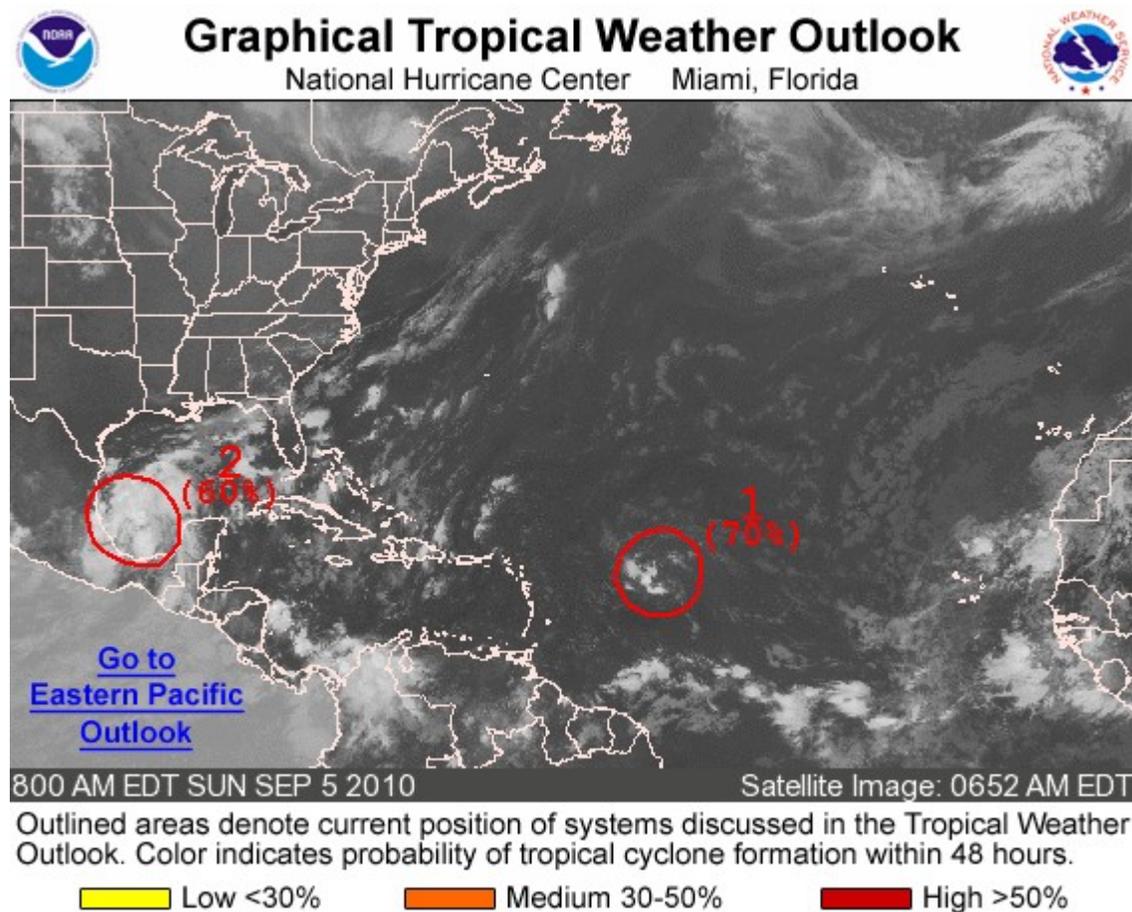


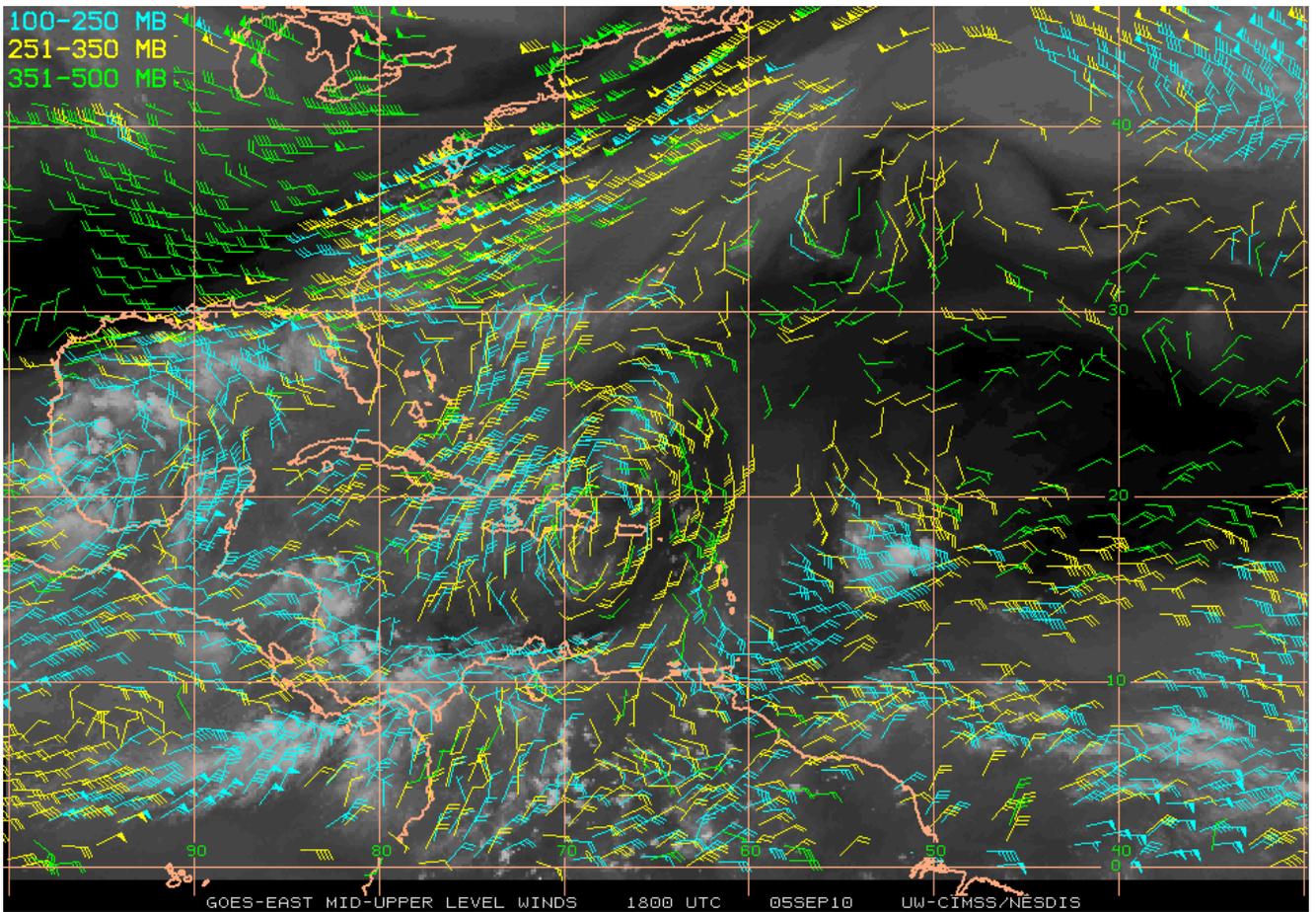
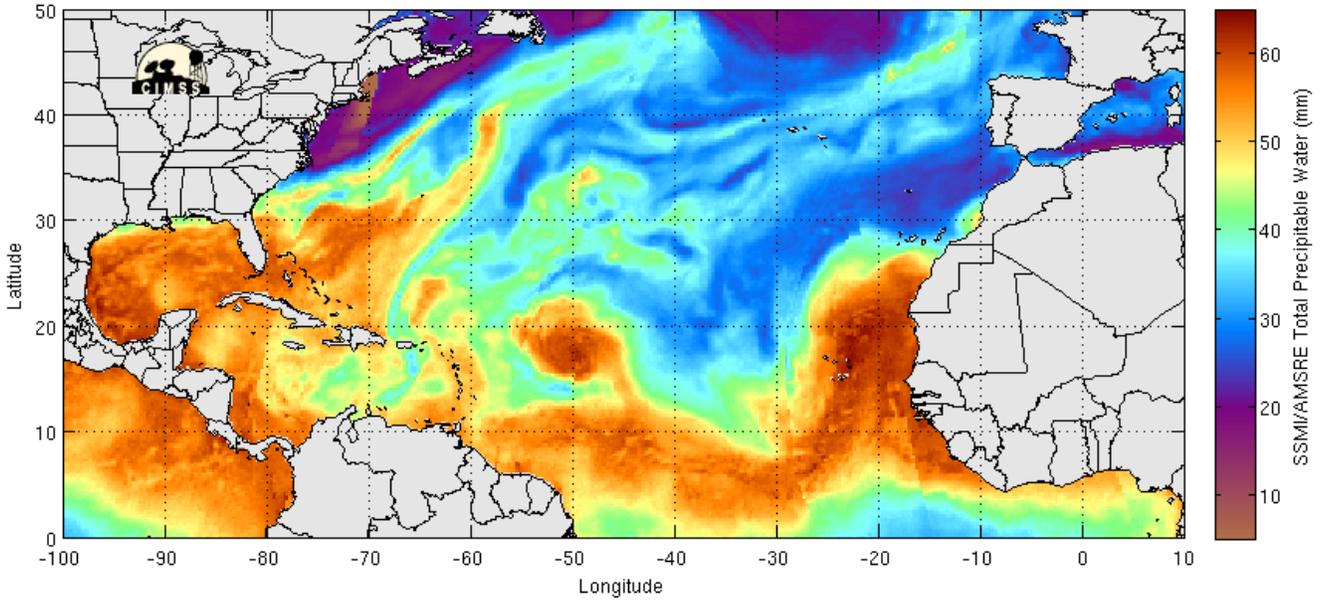
Forecast Discussion for September 5, 2010

Large-scale features

The tropics have quieted considerably from the day before, with now only one tropical cyclone globally, and that in the West Pacific. The main features of interest in the Atlantic are a broad area of low pressure in the Bay of Campeche (labeled '2') and the remnants of Gaston (labeled '1'), as seen in Fig. 1. These features are also evident as areas of high total precipitable water (TPW) in Fig. 2. Regions of relatively low TPW are now nearly surrounding the remnants of Gaston (PGI38L) with very dry air to the south of the center. Dropwindsonde data from today's G-V mission will provide an idea of whether the dry air is impinging on the system and limiting development, though arc clouds emanating from the system during the day suggest that possibility. The primary upper-level feature depicted in the CIMMS upper-level wind analysis (Fig. 3) remains a large upper-level low over the Lesser Antilles that is not impacting any of the systems. An anticyclone appears to be developing over the system in the Bay of Campeche, but is no longer evident over Gaston.

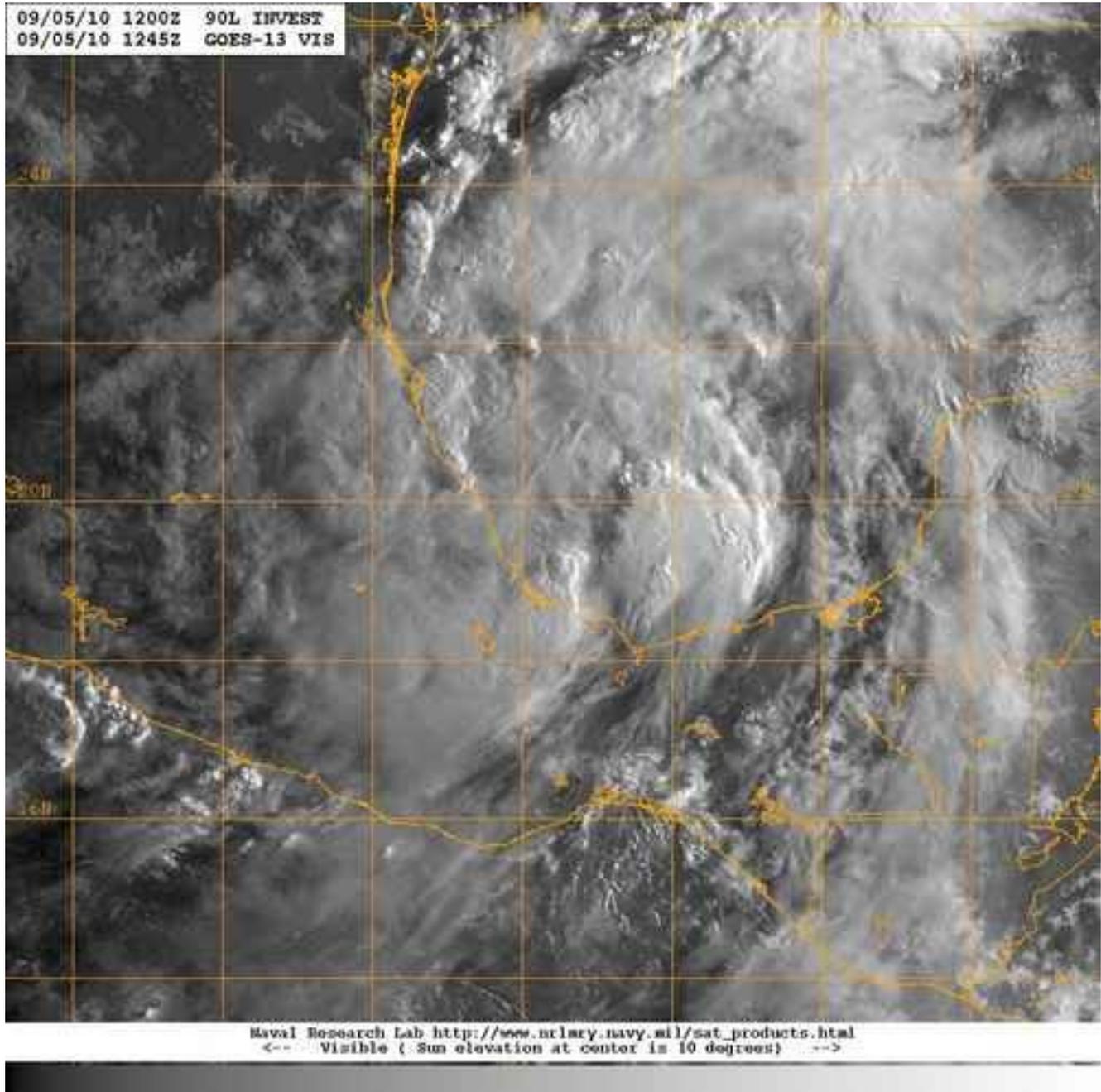


Morphed composite: 2010-09-05 12:00:00 UTC

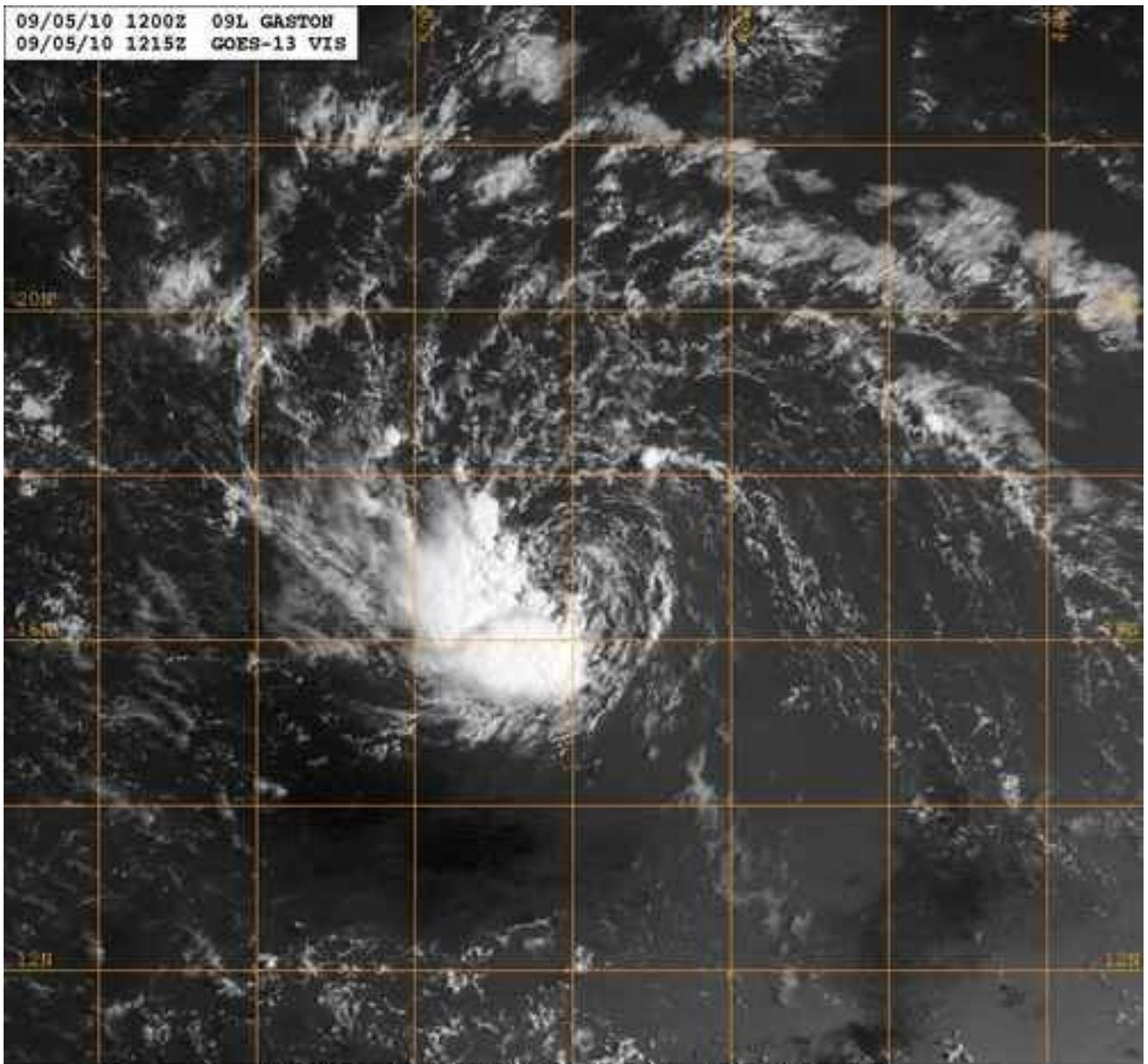


AL90

Tropical Depression Eleven-E dissipated over southern Mexico, but its remnant convection has remained over the Bay of Campeche. Now designated AL90, at 1200 UTC, NHC located the center of the system at 19.4N 95.6W, moving northward at only 2 kt, with maximum sustained winds of 25 kt. There is ample convection in the area (Fig. 4), and a broad low-level circulation evident in visible satellite imagery animations. The major limiting factors for the development of this system are its proximity to land and its likely motion inland within two days (Figs. 5 and 6).

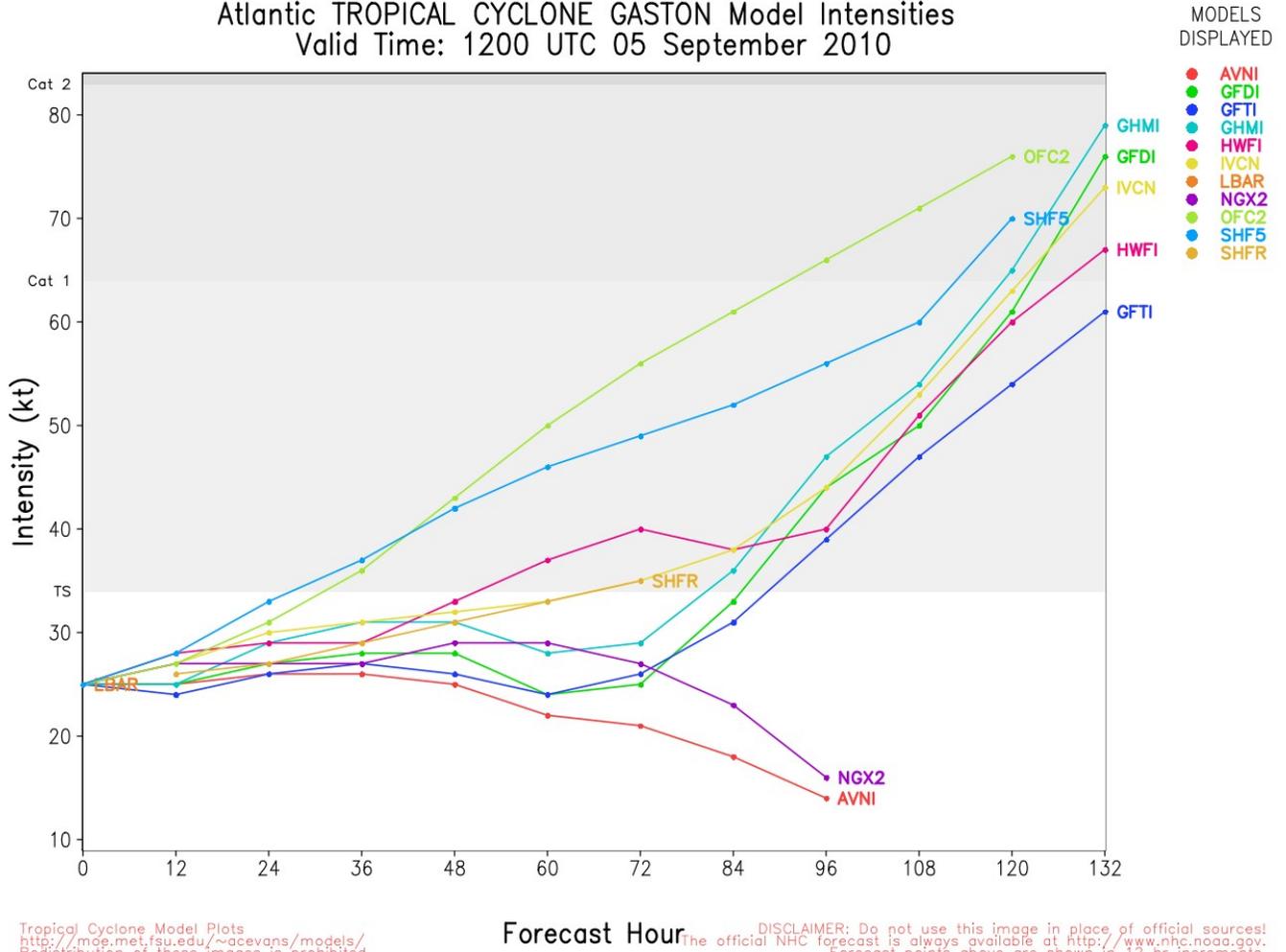


09/05/10 1200Z 09L GASTON
09/05/10 1215Z GOES-13 VIS



Naval Research Lab http://www.nrlmry.navy.mil/sat_products.html
<-- Visible (Sun elevation at center is 46 degrees) -->

Atlantic TROPICAL CYCLONE GASTON Model Intensities Valid Time: 1200 UTC 05 September 2010



For the time being, these will be the only two viable systems as nothing is currently seen between Gaston and the Cape Verde Islands.