



Gulf of Mexico Harmful Algal Bloom Bulletin

24 August 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: August 19, 2004

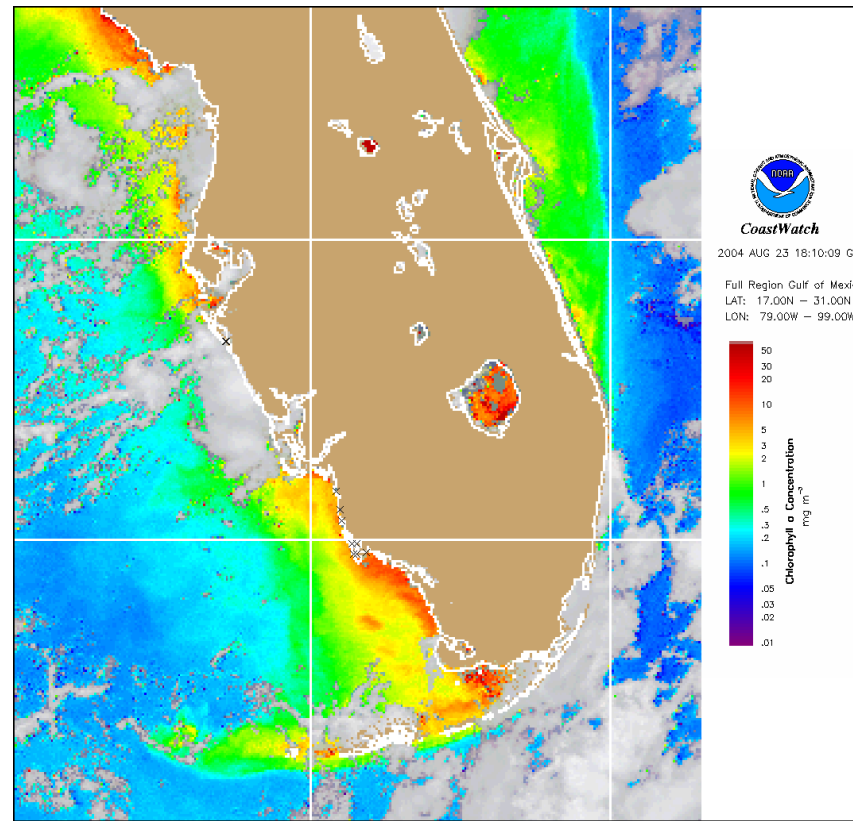
Analysis

Chlorophyll bloom from Sarasota to south of Cape Romano has continued. This bloom of non-harmful algae was caused by resuspension and disturbance of the coastal water by Hurricane Charley. It is expected to continue for several days. Chlorophyll concentrations are over 5 ug/L and up to 10 ug/L in small areas may lead to reports of discolored water.

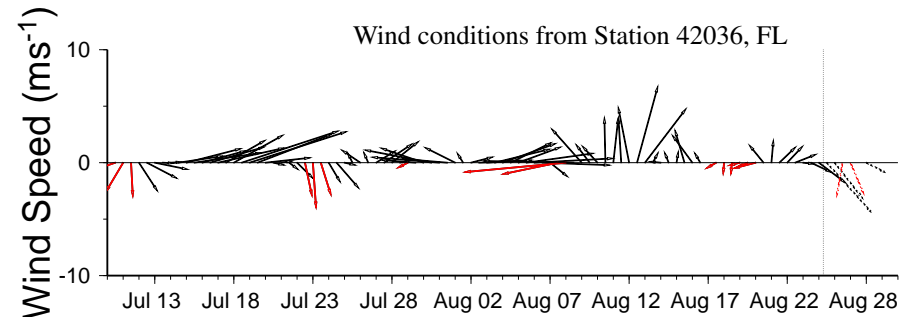
SW Florida. Conditions do not favor development of *Karenia* blooms.

NW Florida. Status unchanged and no evidence for a *Karenia* bloom. Conditions slightly favor bloom development

--Stumpf



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 15, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

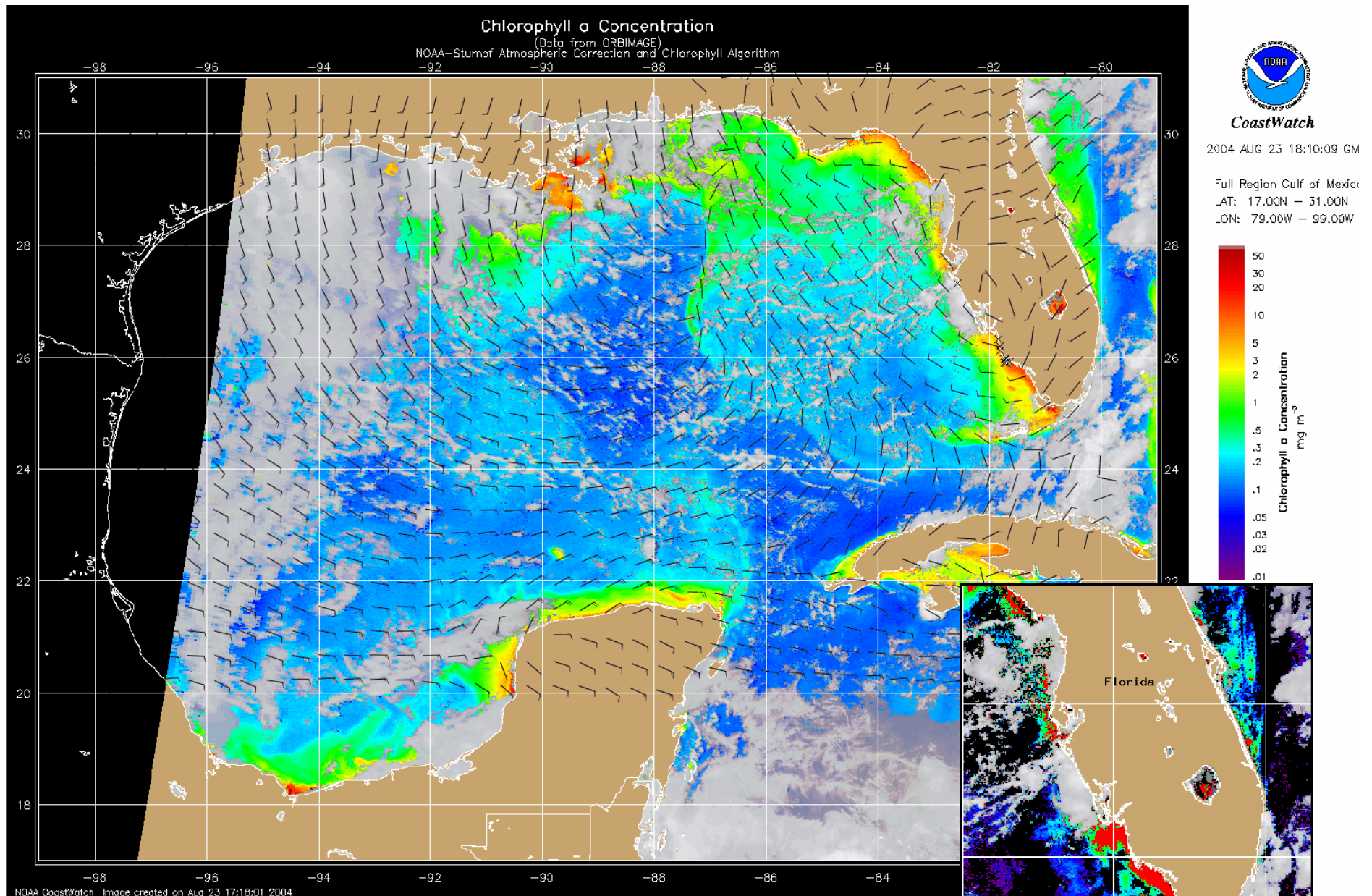


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

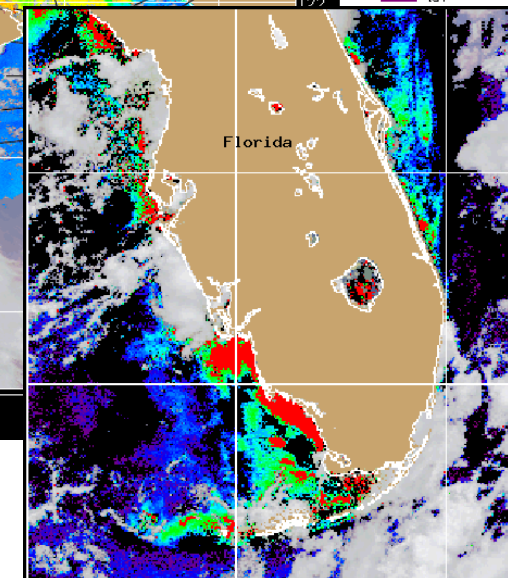
changing conditions. Northerly over next day, some easterly than southerly. However forecast changed significantly in last day.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. These data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Distribution for military, or commercial purposes is NOT permitted.
3. There are restrictions on Internet/Web/public posting of these data.
4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for August 25, 2004 00Z with cell concentration sampling data from August 15, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Blooms shown in red (see p. 1 analysis and image for interpretation)