



Gulf of Mexico Harmful Algal Bloom Bulletin

5 October 2004

National Ocean Service

National Environmental Satellite, Data, and Information Service

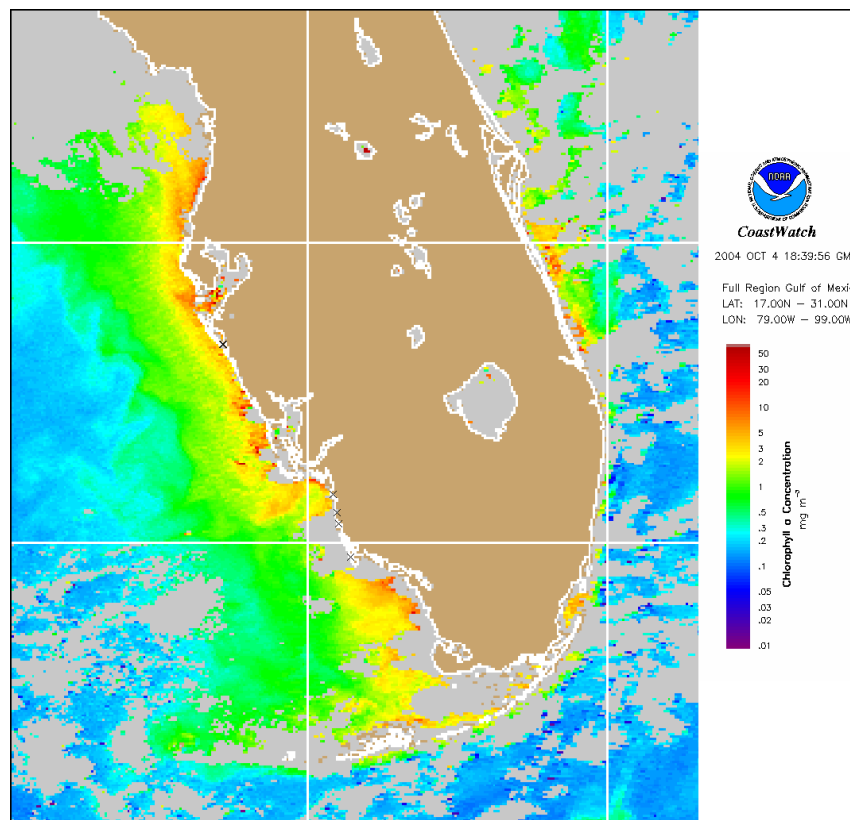
Last bulletin: September 30, 2004

Analysis

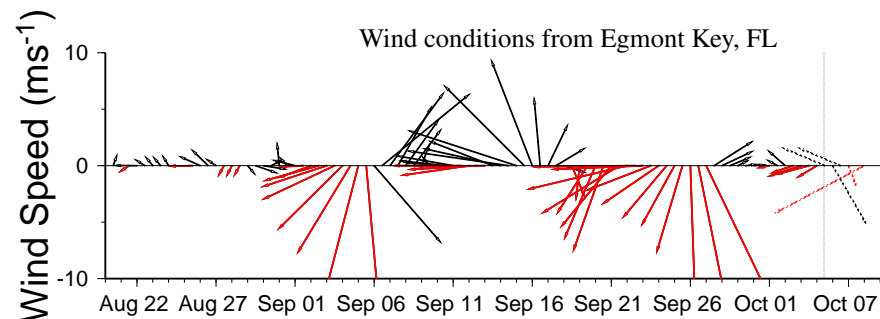
Conditions: Analysis indicates there are no harmful algal blooms in any Florida counties.

Analysis: Resuspension from Hurricane/Tropical Storm Jeanne settling along Florida's Gulf Coast. State field samples collected on September 27-30 near Sarasota and from Fort Myers to south of Naples did not contain *K. brevis*. Patchy elevated chlorophyll features located from St. Petersburg to Sanibel Island. High chlorophyll ($>6\mu\text{g/L}$) feature located offshore ($\sim 82^{\circ}22'W$ $26^{\circ}6'N$) of Sanibel Island ($82^{\circ}5'W$ $26^{\circ}14'N$). Winds continue to promote upwelling and southerly, off-shore transport. Conditions are not favorable for HAB formation at this time.

Fenstermacher and Fisher



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 22, 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).

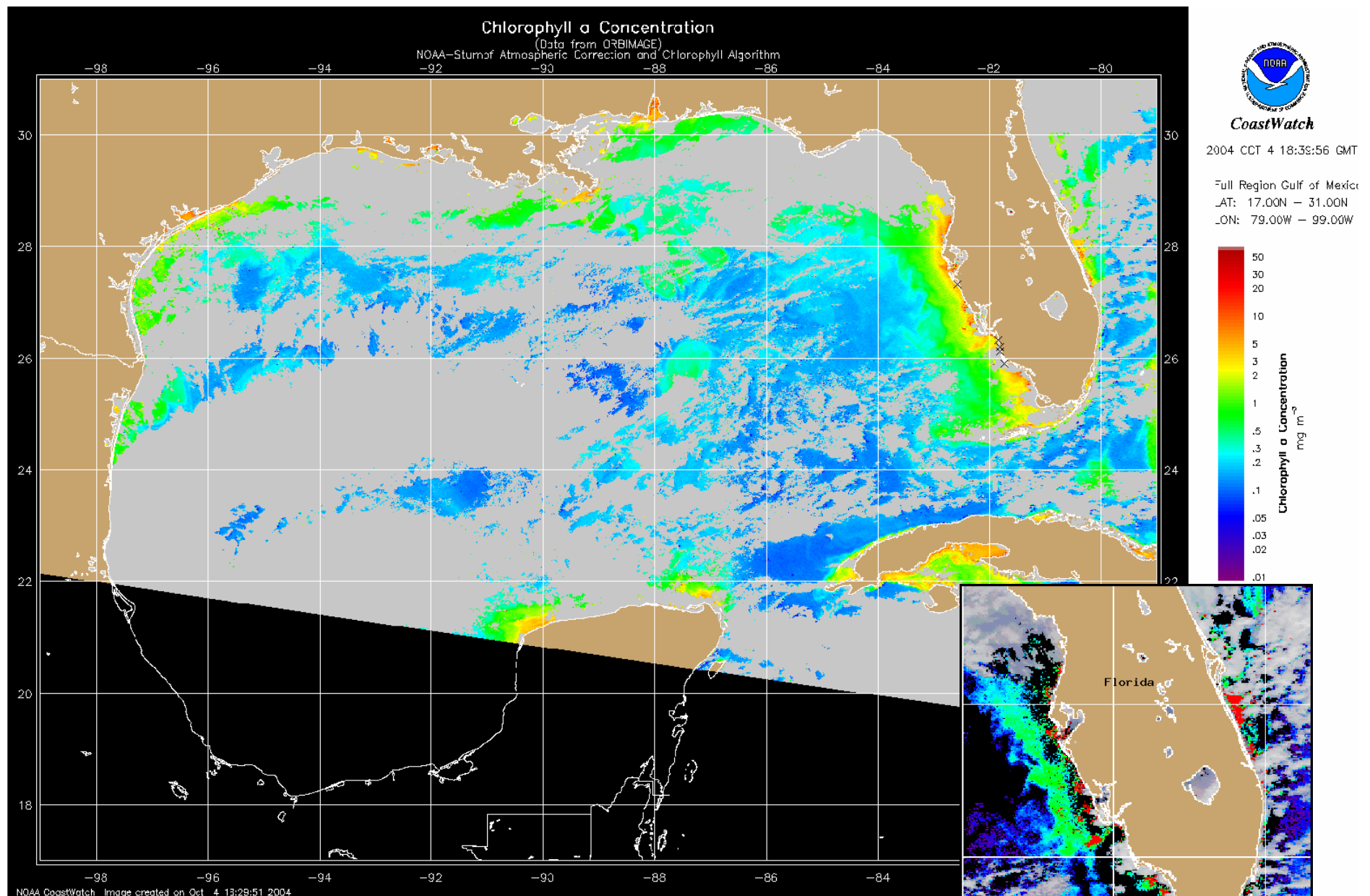


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right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

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.

Contrary to the model prediction, NWS marine forecast call for variable east to northeast winds through Friday.



Chlorophyll concentration from satellite with cell concentration sampling data from September 22, 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)