



Gulf of Mexico Harmful Algal Bloom Bulletin

25 October 2004

National Ocean Service

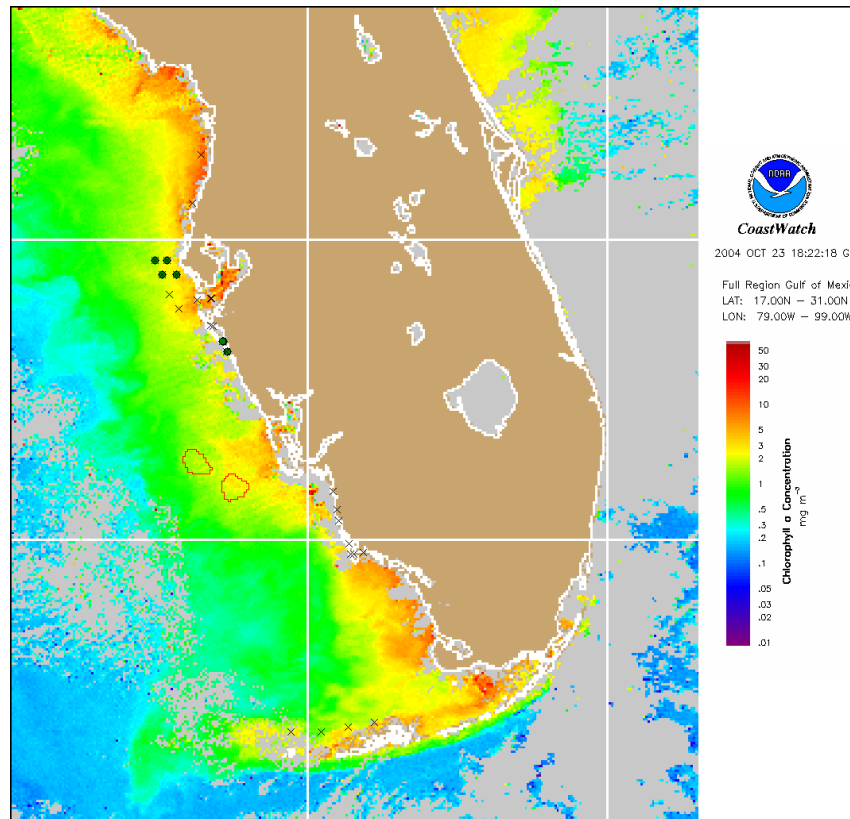
National Environmental Satellite, Data, and Information Service

Last bulletin: October 21, 2004

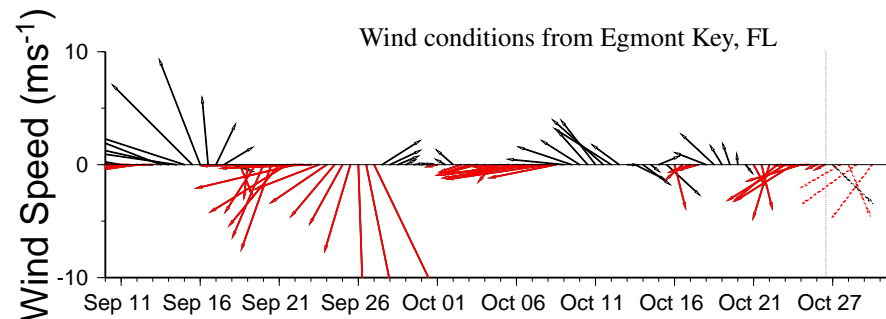
Conditions: Patchy areas of very low harmful algae concentrations identified near Sarasota during October 18-20. Impacts at the beach are not likely. Analysis does not indicate harmful algae presence elsewhere in Florida.

Analysis: Samples from October 18-20 show a very low concentration of *Karenia brevis* near Sarasota. Several days of upwelling favorable winds, in addition to northeasterly and easterly winds forecasted winds through Friday, are favorable for feature intensification of *Karenia* concentrations. The elevated chlorophyll feature offshore from Boca Grande to Captiva should be monitored. Beach impacts unlikely from Clearwater to Sarasota through Friday. Features off 10,000 islands are common and unlikely to be *Karenia*.

Stolz, Fenstermacher



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 21, 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).

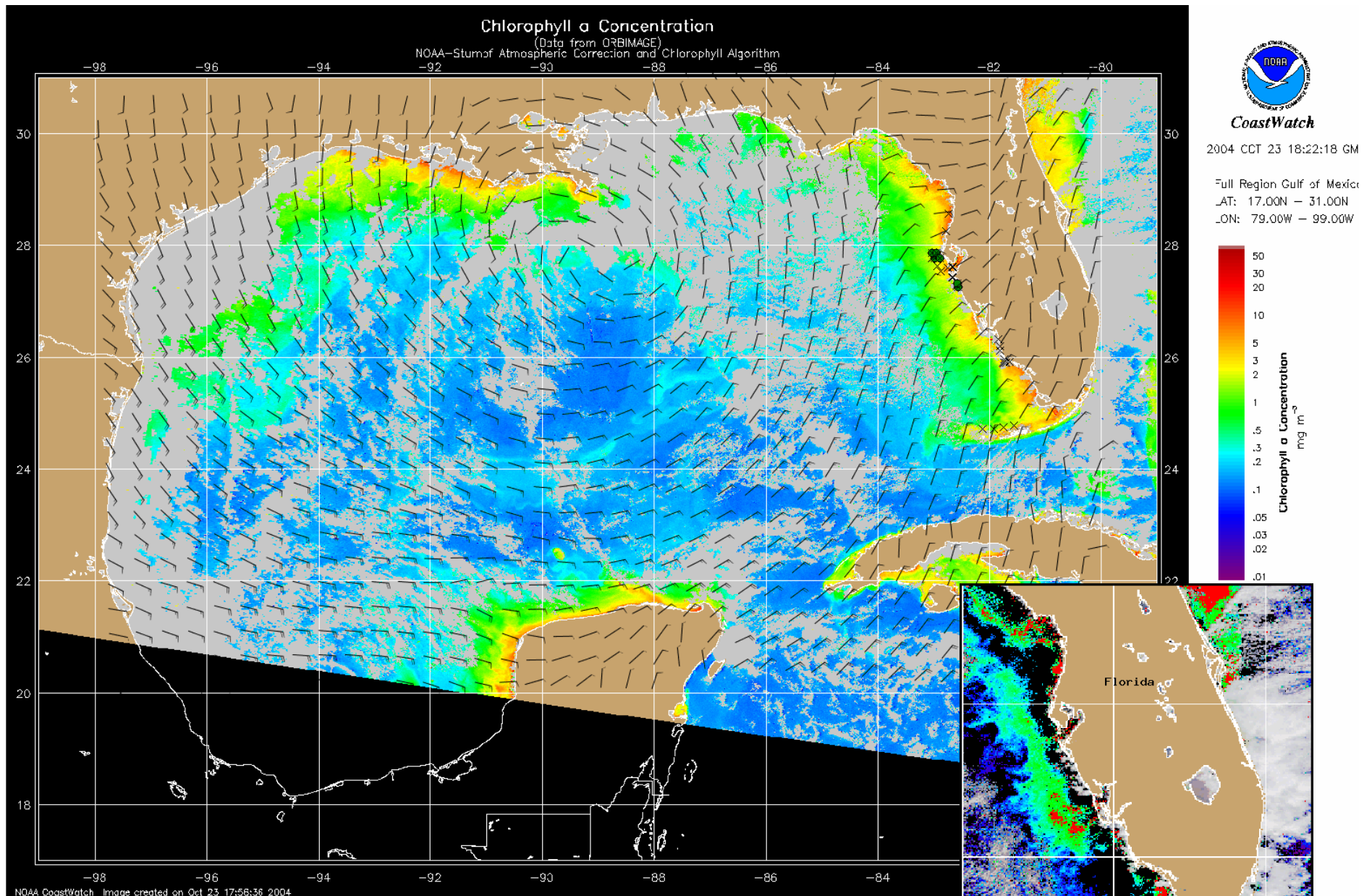


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right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

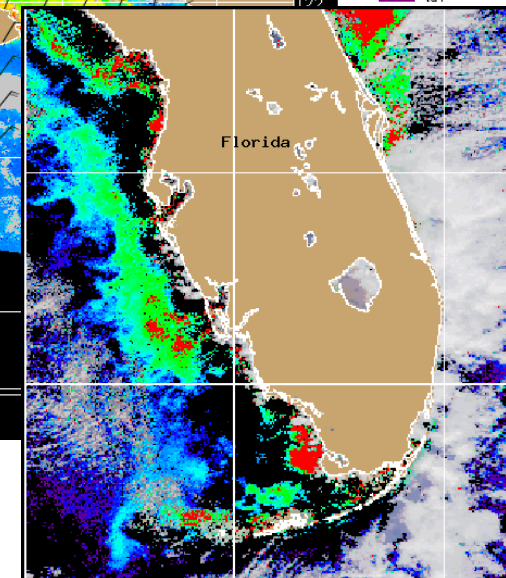
Northwest winds through tonight replaced by steady northeasterly winds through Wednesday. Strong easterly winds Thursday and Friday.

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4. Image products may be published in newspapers. Any other publishing arrangements must receive Orblmage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for October 26, 2004 12Z with cell concentration sampling data from October 21, 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)