



Gulf of Mexico Harmful Algal Bloom Bulletin

18 October 2004

National Ocean Service

National Environmental Satellite, Data, and Information Service

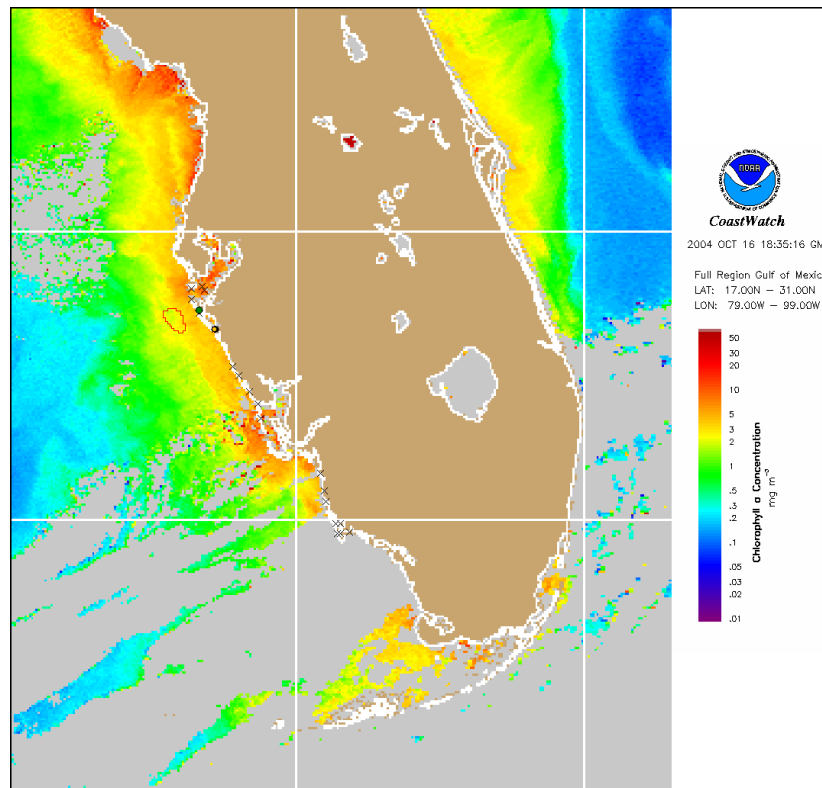
Last bulletin: October 15, 2004

Analysis

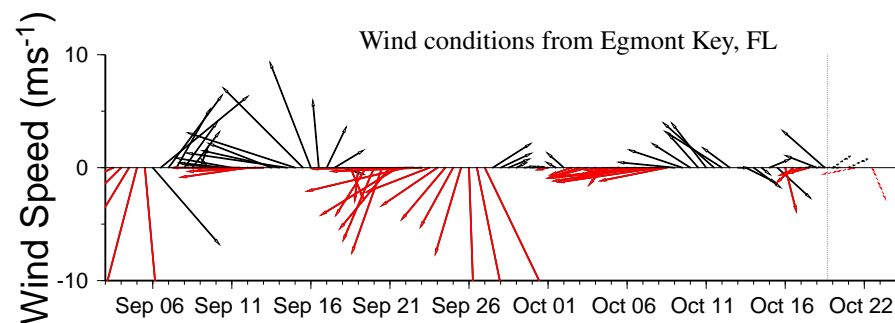
Conditions: Patchy areas of very low harmful algae concentrations identified near Sarasota during October 11-14. Some intermittent very low impacts at the beach are possible through Wednesday. Analysis does not indicate harmful algae presence elsewhere in Florida.

Analysis: Sampling done during October 11-14 showed a very low *Karenia brevis* concentration near Sarasota. Onshore transport is possible through Wednesday. Imagery indicates elevated chlorophyll (>5 mg/m³) near Captiva (82°15W, 26°30N). Samples are not available for this area.

Bronder, Stolz



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 10, 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).

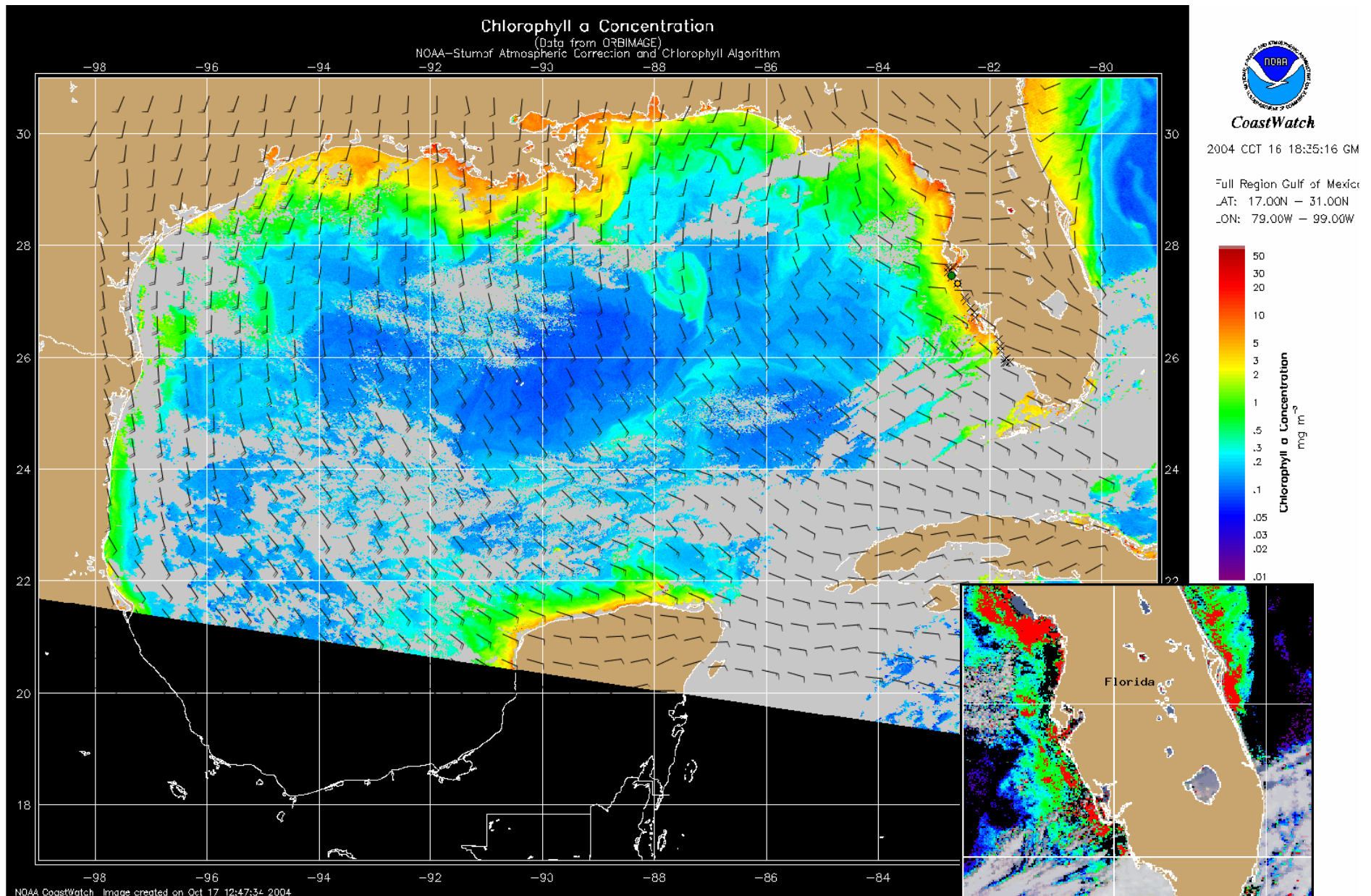


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right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

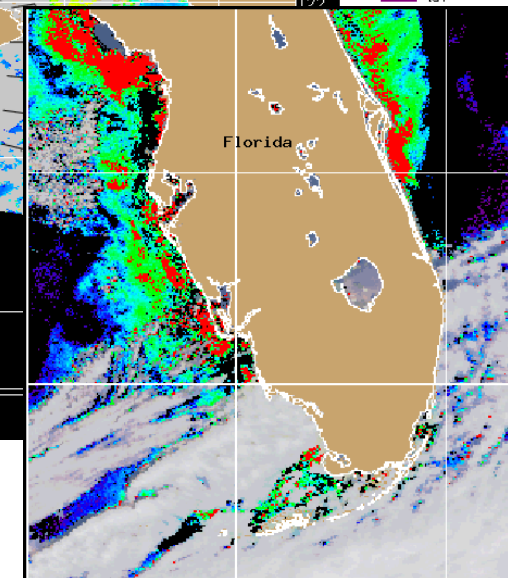
Winds in the Tampa Bay area have been highly variable for the last several days. The forecast calls for southeast winds tonight and tomorrow, and south winds on Wednesday, except for onshore winds near the coast during the afternoon tomorrow and Wednesday. Winds shift to northeast on Thursday.

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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 October 19, 2004 12Z with cell concentration sampling data from October 10, 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)