



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

3 December 2003

National Ocean Service/NCCOS and CSC

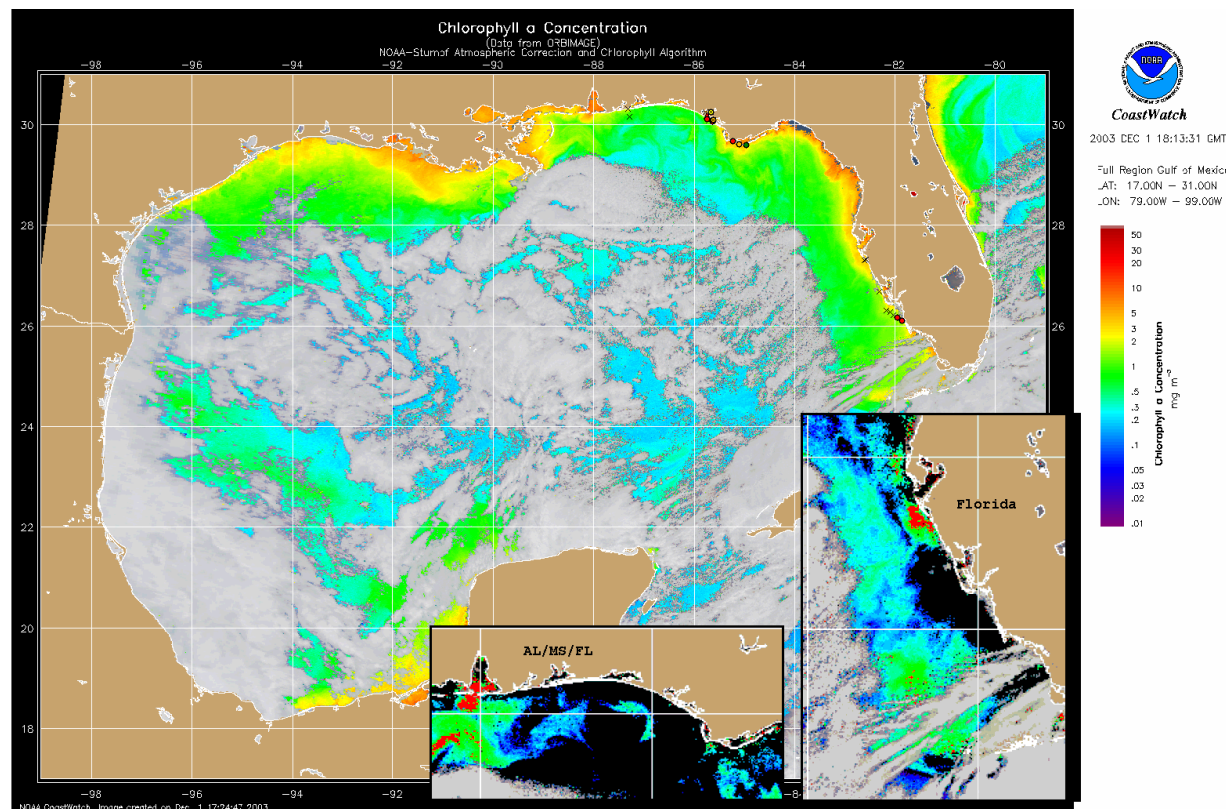
NESDIS/CoastWatch and NDBC

Last bulletin: November 26, 2003

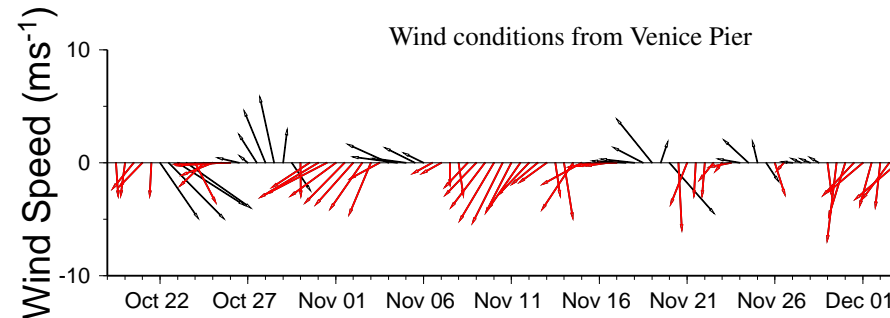
Analysis

NW Florida: Imagery indicates that the bloom in the St. George's and St. Joseph Bay areas may have dissipated. Forecasted winds indicate westward transport through this evening.

SW Florida: Imagery indicates a possible *K. brevis* bloom south of Tampa Bay (82d48'W, 27d23'N) to Venice (82d23'W, 27d5'N). Chlorophyll levels have reached above 4 ug/L in this area. A week of relaxed winds, followed by upwelling favorable winds since Nov 28, are conducive to the development and transport of a *K. brevis* bloom to the coast. If so, northeasterly winds could intensify the bloom through this evening, however, impacts would not be observed onshore. In the event that this is *K. brevis*, impacts at the coast would intensify by Friday, as a result of northwesterly winds.



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from November 24, 2003 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 NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

In SW Florida, Northeasterly winds are expected to become more easterly by tonight. By Friday, winds are expected to shift and become northwesterly.

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