

Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

21 May 2004

National Ocean Service/NCCOS and CSC

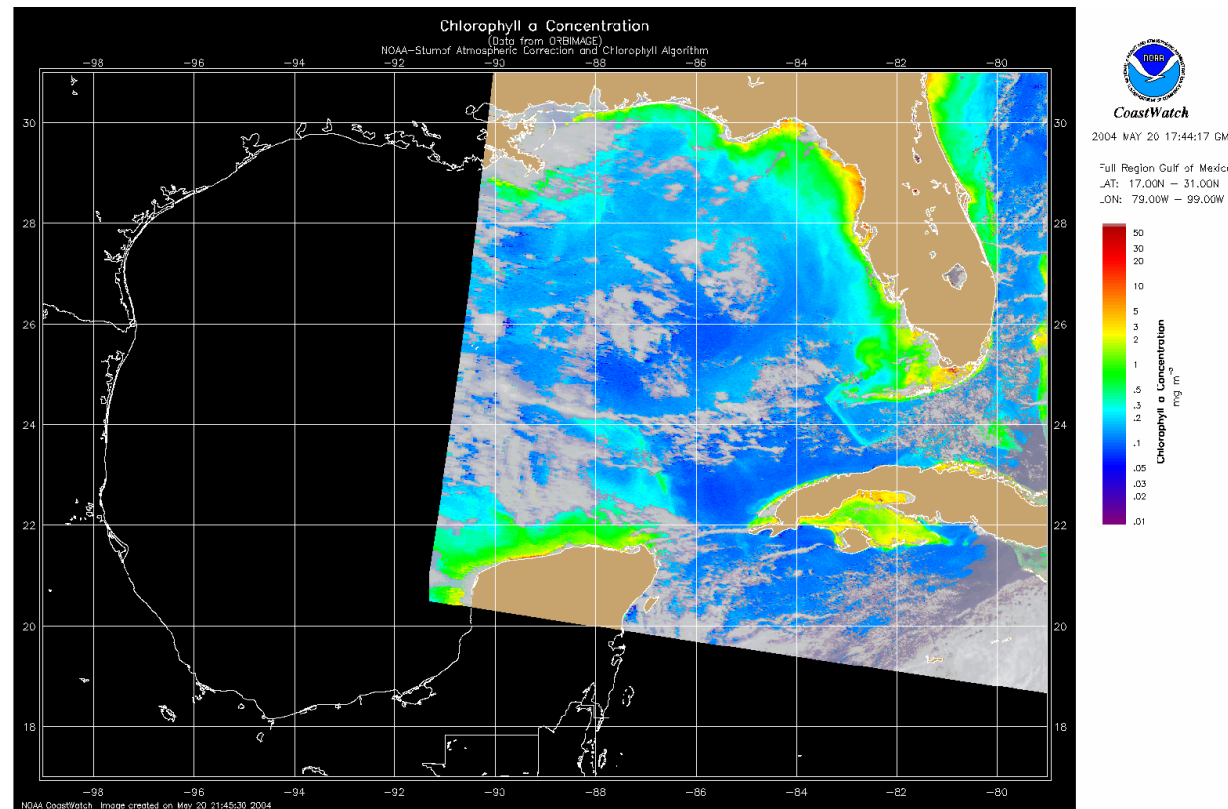
NESDIS/CoastWatch and NDBC

Last bulletin: April 15, 2004

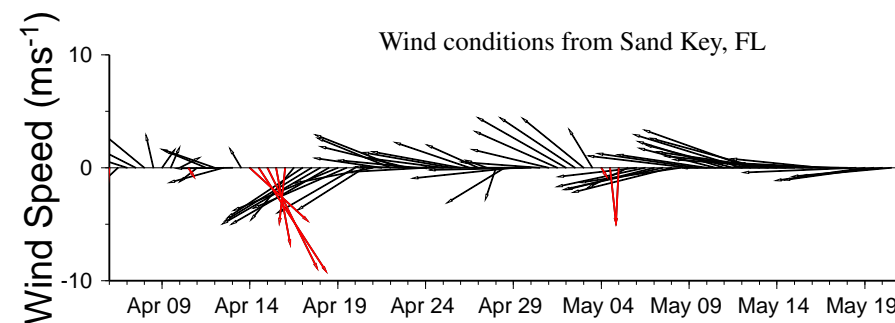
Analysis

SW Florida: A phytoplankton bloom has developed north of the lower Keys; peak of about 5 ug/L at about 81d40'W 24d52'N. This bloom is most likely to be diatom related. The strong easterly winds over the last two weeks have transported coastal water and blooms well off-shore. Reports of discolored water are possible near the Tortugas.

Stumpf



Cell concentration sampling data from May 7, 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 NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

East winds expected to persist well into next week.

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