

# Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

16 January 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: January 14, 2003

## Analysis

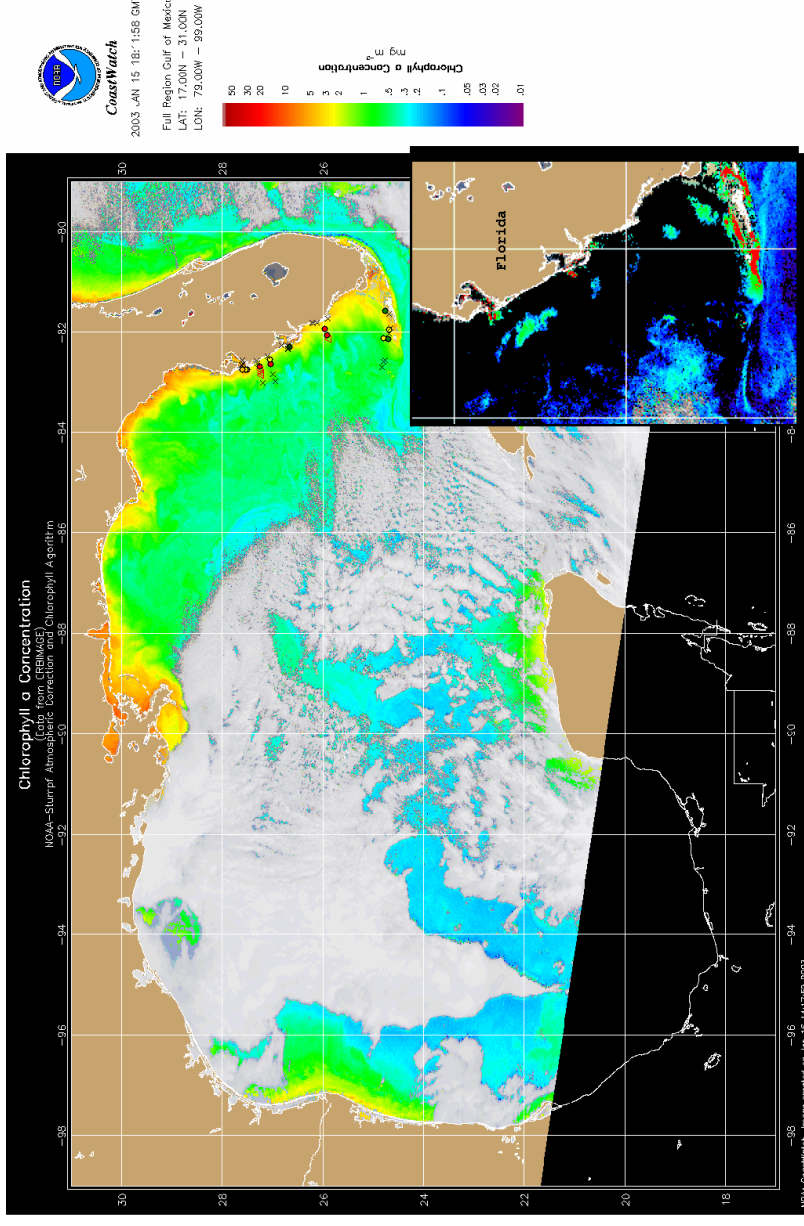
FL Keys. Chlorophyll is sitting around the Marquesas, no additional westward motion since Jan 12. Concentrations remaining about 2-5 ug/L.

SW Florida. K. brevis bloom off should have diminished significantly. Chlorophyll has decreased to 1-2 ug/L, although a small area is found off the mouth of Tampa Bay with about 4-7 ug/L (possibility of medium levels of K. brevis). Well offshore (83dW at 27dN) still suggestive of bloom, so counts inshore remain a possibility.

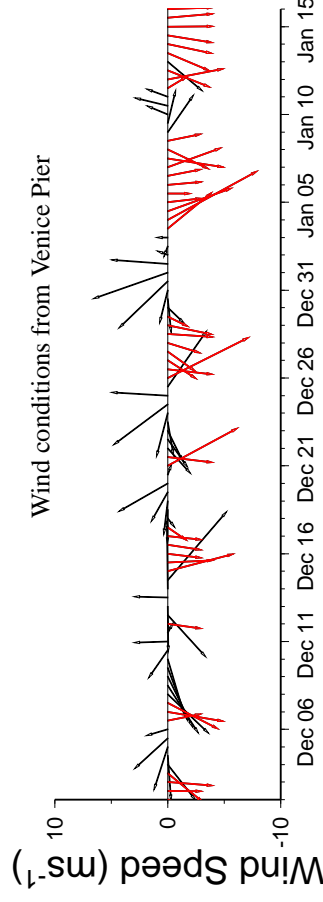
Small feature at Boca Grande, but is typical of local diatom (or other) bloom.

No new counts reported.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from January 9, 2003 shown as red squares (high), red triangles (medium), red circles (low), orange circles (very low b), yellow 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.

Winds expected to spin to E then S then NW then N by Friday night. Steady north winds over weekend.

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