

Announcement

THERMAL STRESS CONDITIONS ARE ACCUMULATING IN THE EASTERN CARIBBEAN WITH BLEACHING ALERT LEVELS 1-2 PREDICTED IN 1-4 WEEKS.



REPORT CORAL BLEACHING OBSERVATIONS
([CLICK HERE](#))



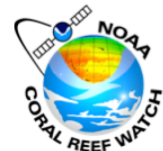
HEADLINE IMPACTS IN THE CARIBBEAN
([CLICK HERE](#))



NEW PUBLICATION ON THE CUMULATIVE EFFECTS OF NUTRIENT ENRICHMENT & ELEVATED TEMPERATURE
([CLICK HERE](#))

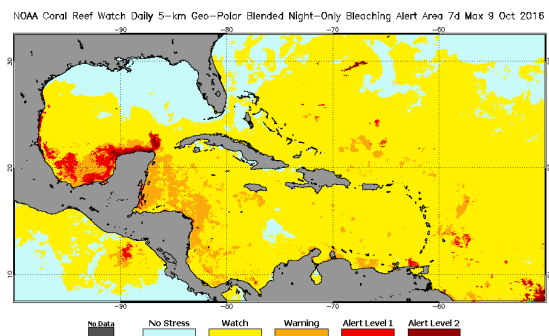


CARIBBEAN CORAL REEF WATCH



Notable Observations

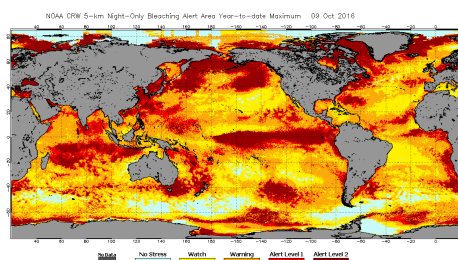
- ▶ Sea surface temperature (SST) persisted at slightly below average conditions across much of the east-central equatorial Pacific. ENSO-neutral conditions are now slightly favored during the Northern Hemisphere autumn and winter 2016-17. [Read more.....](#)
- ▶ Warm SSTs observed in the Caribbean. Minor bleaching reported in Saba despite recent cooling by Hurricane Matthew.
- ▶ Bleaching Alert level 1 issued for Belize. Bleaching warnings in Jamaica and the ABC Islands. Watches in Bahamas, TCI, Cayman Isl., Cuba, Hispaniola, PR, Virgin Isl., T & T, Leeward & Windward islands.



[Click here to track current conditions](#)

Current Global Conditions

- ▶ Slight paling already being seen in some corals in the Florida Keys. Bleaching reported in the Gulf of Mexico at East Flower Garden Bank within Flower Garden Banks National Marine Sanctuary in Galveston, Texas.
- ▶ Bleaching seen in Japan's Ryukyu islands, thermal stress intensifying in eastern Micronesia and Marshall Islands.



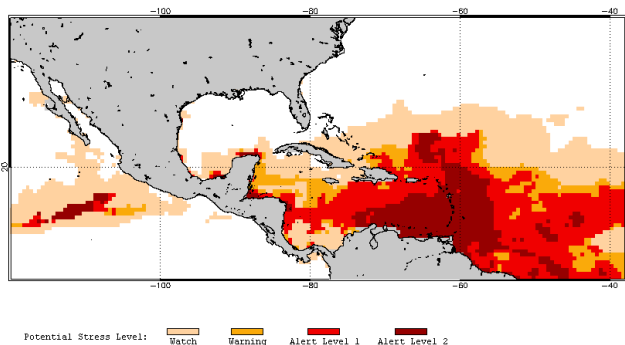
Alert Level Guide

Alert Level	Interpretation
No Stress	No Thermal Stress
Watch	Low-level thermal stress
Warning	Thermal stress is accumulating
Alert level 1	Bleaching expected
Alert level 2	Widespread bleaching and some mortality expected

Current Outlook (Oct 2016-Jan 2017)

- 4-Month Outlook indicates some bleaching may occur in eastern Caribbean before the end of the year.

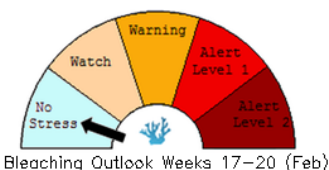
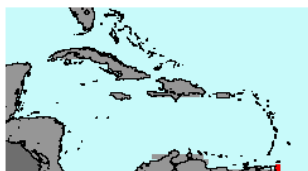
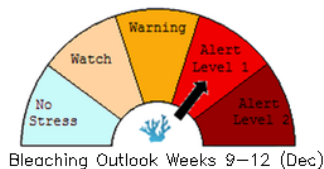
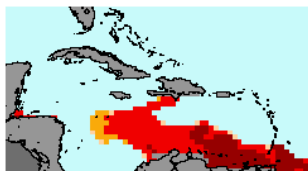
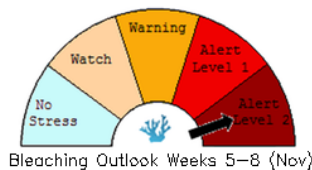
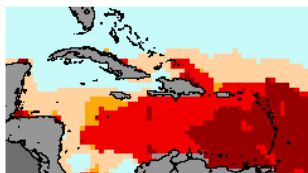
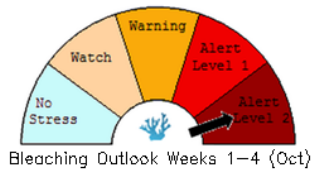
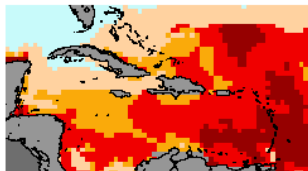
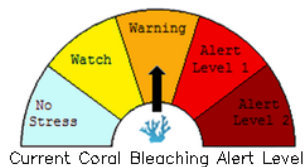
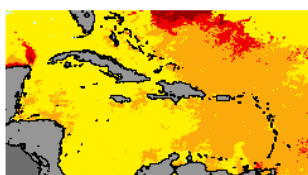
2016 Oct 4 NOAA 60% Probability Coral Bleaching Thermal Stress for Oct-Jan 2017
Experimental, v3.0, CFSv2-based, 28-member Ensemble Forecast



[Click here to track the 4-month bleaching outlook](#)

Bleaching Alert Area and Outlook

Caribbean Satellite Bleaching Alert Area and Outlook
2016-09-30

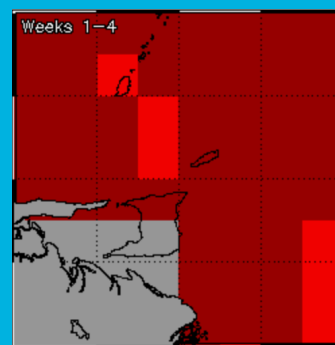


Caribbean Bleaching Outlook

A bleaching Alert Level 1-2 is predicted for the Caribbean in 1-4 weeks.

Thermal stress conditions are predicted to return to below bleaching levels in 13-16 weeks (Jan).

5-km Regional Virtual Stations



Bleaching Alert Level 1-2 for Trinidad and Tobago in 1-4 weeks.

[Click here for more information about the NOAA Coral Reef Watch methodology](#)

For more information contact:

Adrian Trotman
atrotman(at)cimh.edu.bb
Shelly-Ann Cox
scox(at)cimh.edu.bb
Courtney Forde
cforde(at)cimh.edu.bb