Announcement

ALTHOUGH SEA SURFACE TEMPERATURES ARE BEGINNING TO DECREASE MOVING INTO NORTHERN HEMISPHERE WINTER, SIGNIFICANT HEAT STRESS STILL PERSISTS WITHIN THE CARIBBEAN BASIN



PLEASE HELP NOAA UNDERSTAND THE OCEAN HEAT STRESS IMPACTS CARIBBEAN WIDE BY REPORTING CORAL BLEACHING OBSERVATIONS



THE RISING THREAT OF PEYSSONNELIOID ALGAL CRUSTS ON CORAL REEFS



PERFORMANCE OF ORBICELLA FAVEOLATA LARVAL COHORTS DOES NOT ALIGN WITH PREVIOUSLY OBSERVED THERMAL TOLERANCE OF ADULT SOURCE POPULATIONS



CARIBBEAN CORAL REEF WATCH

Notable Observations (As of Nov. 16)

- The Gulf of Mexico, Florida and the Bahamas are no longer experiencing stress conditions, however, Alert Level 2 conditions still persists across much of the Caribbean. Degree Heating Week (DHW) values of 12°C-weeks and greater are concentrated within the central and southern Caribbean basin.
- ENSO Alert System Status: El Niño Advisory! El Niño is anticipated to continue through the Northern Hemisphere spring (with a 62% chance during April - June 2024). <u>Read</u> more...

Current Global Conditions

- Alert Level 2 conditions are now present at the following regional stations: Panama Pacific East, much of the central and southern Caribbean basin (excluding Bermuda, the N. Bahamas, and Cuba), N. Line Is., Howland and Baker, Kiribati, and Sabah (Malaysia). Alert Level 1 conditions are present in S. Philippines, N. And W. Sulawesi, E. Kalimantan, and Al Wusta (Oman),
- Extremely high accumulated heat stress, with Degree Heating Week values of 16°C-weeks or greater, is present around the Northern coast of south America and much of the C. and S. Caribbean basin.





Click here to track current conditions

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 (November '23-February '24)

➤ Four-Month Outlook of Nov 14, 2023 indicates there is high probability that Alert Level 1 and 2 conditions will affect the N. Coast of South America and the central Caribbean basin.





Click here to track the 4-month bleaching outlook

Bleaching Alert Area and Outlook

Caribbean Satellite Bleaching Alert Area and Outlook 2023–11–15



Caribbean Bleaching Outlook

The latest near real-time Outlook indicates the extensive Alert Level 2 conditions currently being experienced throughout the Greater Caribbean are expected to persist in November but decrease moving into December.

View all 5-km Regional Virtual Stations here



2023 Nov 14 NOAA 60% Probability Coral Bleaching Heat Stress for Nov 2023-Feb 2024

Click here for more information about the NOAA Coral Reef Watch methodology

For more information contact:

Adrian Trotman atrotman@cimh.edu.bb

Courtney Forde cforde@cimh.edu.bb

Shontelle Stoute sstoute@cimh.edu.bb