

Announcement

**HEAT STRESS
CONDITIONS ARE
PREDICTED TO BE AT
BLEACHING LEVELS IN
THE CARIBBEAN FROM
APPROXIMATELY
SEPTEMBER TO
DECEMBER.**



**REPORT CORAL
BLEACHING
OBSERVATIONS**



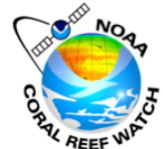
**PROTECTING CORAL
REEFS IN A
DETERIORATING
ENVIRONMENT**



**NEW MODEL PREDICTS
IMPACT OF INVASIVE
LIONFISH PREDATORS ON
CORAL REEFS**

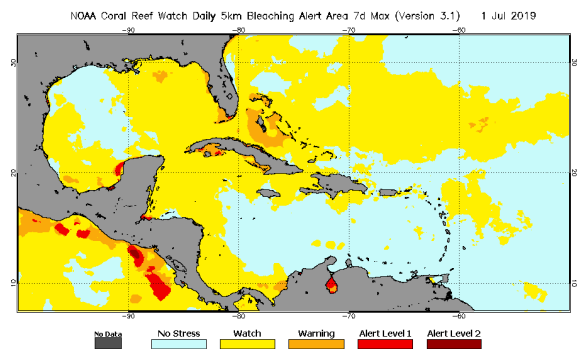


CARIBBEAN CORAL REEF WATCH



Notable Observations

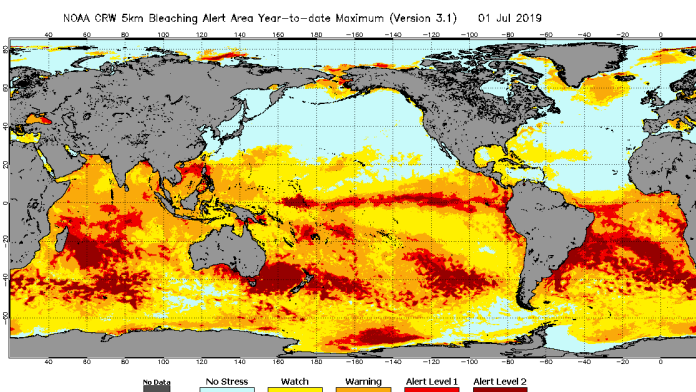
- Warning alert level conditions existing in the central and northwestern Bahamas.
- Southwestern Cuba experiencing Alert level 1 conditions but is predicted to downgrade to a warning in 1-4 weeks.
- ENSO Alert System Status: **El Niño Advisory!** El Niño is predicted to persist through the Northern Hemisphere summer 2019 (66% chance) and fall (50-55% chance). [Read more.....](#)



[Click here to track current conditions](#)

Current Global Conditions

- Bleaching watch and warning alerts issued in Florida, the Gulf of Mexico and throughout the Pacific, Southeast Asia, and the Indian Ocean.
- N. Line Is., Howland and Baker, Dongsha, Hainan Is., N. Vietnam, and Gulf of Kutch all under Alert Level 1. Parcel Is., N. Myanmar, N. and C. Philippines experiencing Alert Level 2 conditions.



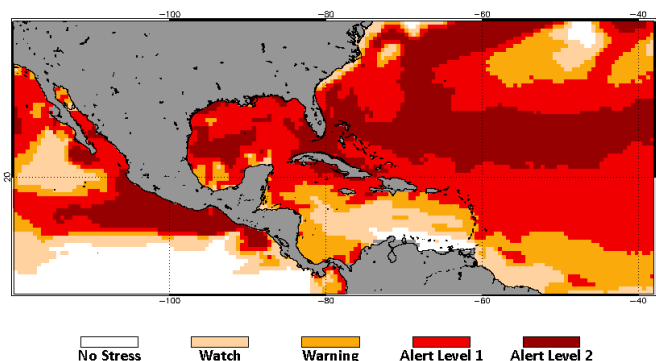
Alert Level Guide

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 (July-October 2019)

- 4-Month Outlook indicates that Coral Bleaching Heat Stress will be at Alert Level 2 in 13-16 weeks (Oct).

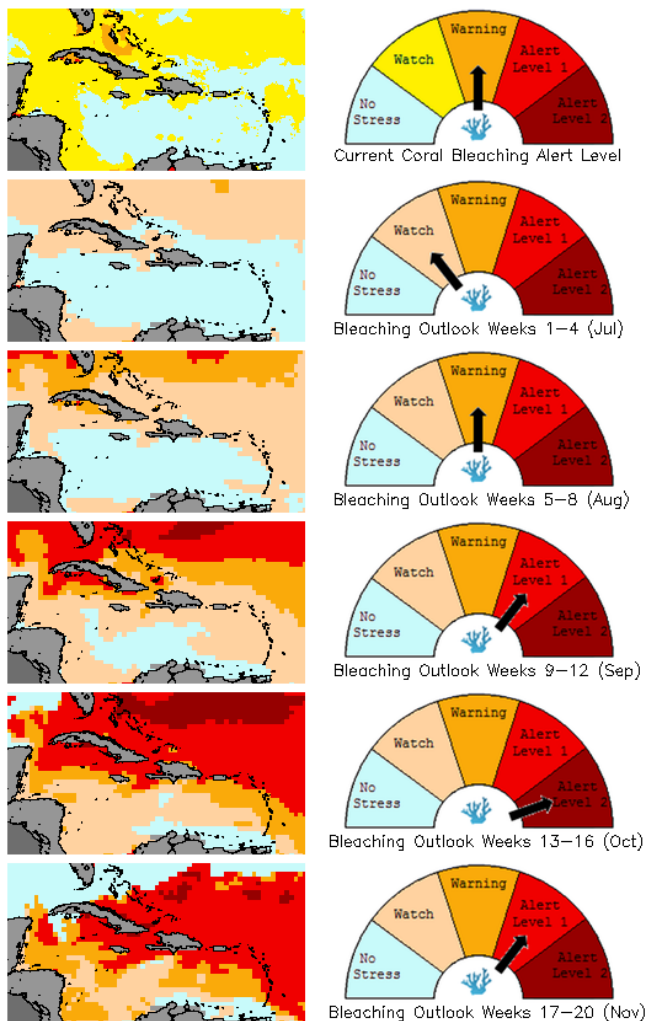
2019 Jul 2 NOAA 60% Probability Coral Bleaching Heat Stress for Jul-Oct 2019
Experimental, v5.0, CFSv2-based, 28 to 112 Ensemble Members



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

Bleaching Alert Area and Outlook

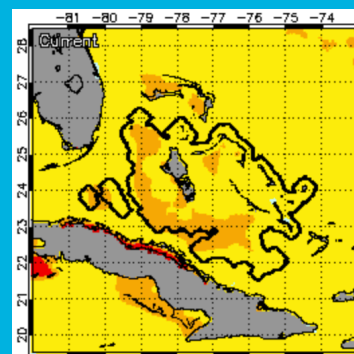
Caribbean Satellite Bleaching Alert Area and Outlook
2019-06-30



Caribbean Bleaching Outlook

Alert Level 1 conditions expected in Cuba and N. Bahamas in September (9-12 weeks) and forecasted to extend to the other greater Antillean countries in October (13-16 weeks). Alert level 2 forecasted for N. Bahamas in October.

[View all 5-km Regional Virtual Stations here](#)



[Central and NW Bahamas currently under a coral bleaching warning.](#)

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

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