Data and Products Thu Mar 28 06:18:24 HST 2024

| Name | Coral Reef Watch |
|---|---|
| Capability Area | - Understanding Climate Impacts and Informing Adaptation |
| Focus Area | - Marine and Terrestrial Ecosystems |
| Regions | - Central North Pacific<br>- Western North Pacific<br>- South Pacific<br>- Pacific Basin<br>- Global |
| Data/Physical | - Data - Physical<br>- In-situ Observations<br>- Satellite-Remote Observations<br>- Model Results<br>- Oceanic (e.g., Water Temperature, Salinity, Acidity, Sea Level, Wave Height) |
| Products/Physical | - Products - Physical<br>- Outloooks (monthly to annual)<br>- Impacts<br>- Bleaching<br>- Spatial Scale<br>- Region/Nation<br>- Time Scale<br>- Future<br>- Methodology<br>- Obs/Remote<br>- Model/Dynamical<br>- Guidance, including “Best Practices” Manuals, Toolkits, and Guides |
| Sectors | - Ecosystems |

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| Description | The NOAA Coral Reef Watch mission is to utilize remote sensing and in situ tools for near-real-time and long term monitoring, modeling and reporting of physical environmental conditions of coral reef ecosystems. Satellite data provide current reef environmental conditions to quickly identify areas at risk for coral bleaching. Continuous monitoring of sea surface temperature at global scales provides researchers and stakeholders with tools to understand and better manage the complex interactions leading to coral bleaching. When bleaching conditions occur, these tools can be used to trigger bleaching response plans and support appropriate management decisions. |
| Url | http://coralreefwatch.noaa.gov/satellite/index.html |
| Lead Agencies | NOAA/NESDIS/STAR, NOAA/CRCP |
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