Projects and ActivitiesFri Mar 29 00:46:15 HST 2024

| Name | Coral Reef Temperature Anomaly Database (CoRTAD) |
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| Capability Area: Variability/Changes | - Understanding Climate Variability and Change<br>- Observing Systems, Data Stewardship, Data Services<br>- Research/Development<br>- Historical Observations (hindcasts/climatologies) |
| ECV | - Surface (e.g., SST, SSH, salinity, ocean color) |
| Timeframe | - Intra-annual to Decadal |
| Capability Area: Impacts/Adaptations | - Understanding Climate Impacts and Informing Adaptation<br>- Climate Impacts<br>- Observing Systems, Data Stewardship, Data Services<br>- Research/Development<br>- Historical Observations (hindcasts/climatologies) |
| Sectors | - Ecosystems |
| Status | - Ongoing |
| Focus Area | - Marine and Terrestrial Ecosystems |
| Regions | - Central North Pacific<br>- Western North Pacific<br>- South Pacific<br>- Pacific Basin<br>- Global |
| Description | The CoRTAD contains a collection of sea surface temperature (SST) and related thermal stress metrics, developed specifically for coral reef ecosystem applications but relevant to other ecosystems as well. The CoRTAD contains global, approximately 4 km resolution SST data on a weekly time scale from 1981 through 2010. |
| Lead Agencies | NOAA National Oceanographic Data Center |
| Contacts | Kenneth Casey, Kenneth.Casey@noaa.gov |
| Partnering Agencies | University of North Carolina Chapel Hill – supported initial development and scientific application of the CoRTAD. Conservation International – provides ongoing scientific guidance for the CoRTAD. |
| Projected Timelines | Maintained and updated every one to two years, as more satellite data, which form the basis of the CoRTAD, become available. |
| Feedback/Evaluation | Feedback on the performance of the CoRTAD, questions or issues on how to access and use it, and comments about the quality of the dataset may be made to NODC.Services@noaa.gov |

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| Url | http://www.nodc.noaa.gov/sog/Cortad/ |