



Projects and Activities Fri Oct 20 19:06:22 HST 2017

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| <b>Name</b>                          | <b>Coral Reef Temperature Anomaly Database (CoRTAD)</b>  |
| Capability Area: Variability/Changes | <ul style="list-style-type: none"> <li>- Understanding Climate Variability and Change</li> <li>- Observing Systems, Data Stewardship, Data Services</li> <li>- Research/Development</li> <li>- Historical Observations (hindcasts/climatologies)</li> </ul>  |
| ECV                                  | - Surface (e.g., SST, SSH, salinity, ocean color)  |
| Timeframe                            | - Intra-annual to Decadal  |
| Capability Area: Impacts/Adaptations | <ul style="list-style-type: none"> <li>- Understanding Climate Impacts and Informing Adaptation</li> <li>- Climate Impacts</li> <li>- Observing Systems, Data Stewardship, Data Services</li> <li>- Research/Development</li> <li>- Historical Observations (hindcasts/climatologies)</li> </ul>                               |
| Sectors                              | - Ecosystems   |
| Status                               | - Ongoing  |
| Focus Area                           | - Marine and Terrestrial Ecosystems  |
| Regions                              | <ul style="list-style-type: none"> <li>- Central North Pacific</li> <li>- Western North Pacific</li> <li>- South Pacific</li> <li>- Pacific Basin</li> <li>- Global</li> </ul>   |
| 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, <a href="mailto:Kenneth.Casey@noaa.gov">Kenneth.Casey@noaa.gov</a>  |
| 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 <a href="mailto:NODC.Services@noaa.gov">NODC.Services@noaa.gov</a>  |

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| Url | <a href="http://www.nodc.noaa.gov/sog/Cortad/">http://www.nodc.noaa.gov/sog/Cortad/</a> |
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