Projects and ActivitiesThu Mar 28 19:52:24 HST 2024

Name	Coral Reef Temperature Anomaly Database (CoRTAD)
Capability Area: Variability/Changes	- Understanding Climate Variability and Change - Observing Systems, Data Stewardship, Data Services - Research/Development - 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 - Climate Impacts - Observing Systems, Data Stewardship, Data Services - Research/Development - Historical Observations (hindcasts/climatologies)
Sectors	- Ecosystems
Status	- Ongoing
Focus Area	- Marine and Terrestrial Ecosystems
Regions	- Central North Pacific - Western North Pacific - South Pacific - Pacific Basin - 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

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