

Sea surface temperature geostationary high quality SST data set

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The geostationary sea surface temperatures (SST) are essential Climate Data Records that provide temporal information for the climate users. They capture the diurnal variability for the global oceans. The National Oceanic and Atmospheric Administration Satellite Service provides operational diurnal warming estimates for geostationary SSTs for both NOAA and non-NOAA satellites. These operational satellites include: 1) NOAA GOES-East and West, 2) Japanese satellite, MTSAT, European Satellite, MSG. They plan to generate geostationary SSTs from the Elektra-L, Russian satellite. This would provide full global coverage of diurnal warming estimates.