

Sea Surface Temperature and Horizontal Temperature Gradient Data

Data type: NetCDF

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AVHRR

Monthly data

This dataset uses GHRSSST Level 4 AVHRR_OI Global Blended Sea Surface Temperature Analysis (GDS2) from NCEI: vs2.0 and vs2.1

Data period of data in this product:

v2.0: 2014-01-01 to 2015-12-31

v2.1: 2016-01-01 to present

The v2.1 is updated from the AVHRR_OI-NCEI-L4-GLOB-v2.0 data. However, these updates only apply to granules after Jan. 1st, 2016. Therefore, we provide both datasets to cover time period of this analysis.

For more information, see https://podaac.jpl.nasa.gov/dataset/AVHRR_OI-NCEI-L4-GLOB-v2.0 and https://podaac.jpl.nasa.gov/dataset/AVHRR_OI-NCEI-L4-GLOB-v2.1

*File Names: AVHRR_OI_SST_v*_MONTHLY_YYYY_MM.nc*

Variables:

- Latitude (180): -89.875:1:89.875
- Longitude (360): 20.125:1:379.875
- AVHRR_monthly_sst (°C): monthly sea surface temperature
- AVHRR_monthly_sstgrad (°C/m): monthly temperature gradient
- AVHRR_monthly_sstgradx (°C/m): monthly zonal temperature gradient
- AVHRR_monthly_sstgrady (°C/m): monthly meridional temperature gradient