**NOAA OI SST V2 High Resolution Dataset**

**http://www.esrl.noaa.gov/psd/data/gridded/data.noaa.oisst.v2.highres.html#detail**

|  |  |
| --- | --- |
| **Brief Description:**   * NOAA High-resolution Blended Analysis of Daily SST and Ice. Data is from 1985 and is on a 1/4 deg global grid. [*More Details...*](http://www.esrl.noaa.gov/psd/data/gridded/data.noaa.oisst.v2.highres.html#detail)   **Temporal Coverage:**   * Daily values from 1981/01 to present   **Spatial Coverage:**   * 0.25 degree latitude x 0.25 degree longitude global grid (1440x720). * 89.875S - 89.875N,0.125E to 359.875E. | C:\Users\cladd\Documents\Data\MODIS\ForBenWilliams_FATE\ESRL  PSD  NOAA OI SST V2 High Resolution_files\noaahighres.png |

**Levels:**

* Surface

**Update Schedule:**

* Daily
* Data less than 15 days old may be subject to revision by NCDC.

**Download/Plot Data:**

**Archive parameters:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Statistic | Level | Download File | Create Plot/Subset |
| Sea Surface Temperature | Daily Mean | Surface | ftp://ftp.cdc.noaa.gov/Datasets/noaa.oisst.v2.highres/sst.day.mean.yyyy.v2.nc[(select 'see list')](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Sea+Surface+Temperature&group=0&submit=Search) | [plot](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Sea+Surface+Temperature&group=0&submit=Search) |
| Sea Surface Temperature | Daily Anomaly | Surface | ftp://ftp.cdc.noaa.gov/Datasets/noaa.oisst.v2.highres/sst.day.anom.yyyy.v2.nc[(select 'see list')](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Sea+Surface+Temperature+Anomalies&group=0&submit=Search) | [plot](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Sea+Surface+Temperature+Anomalies&group=0&submit=Search) |
| Sea Surface Temperature | Daily Mean Error | Surface | ftp://ftp.cdc.noaa.gov/Datasets/noaa.oisst.v2.highres/sst.day.err.yyyy.v2.nc[(select 'see list')](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Estimated+Error&group=0&submit=Search) | [plot](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Estimated+Error&group=0&submit=Search) |
| Sea Ice Concentration | Daily Mean | Surface | ftp://ftp.cdc.noaa.gov/Datasets/noaa.oisst.v2.highres/icec.day.mean.yyyy.v2.nc[(select 'see list')](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Sea+Ice+Concentration&group=0&submit=Search) | [plot](http://www.esrl.noaa.gov/psd/cgi-bin/db_search/DBSearch.pl?Dataset=NOAA+High-resolution+Blended+Analysis&Variable=Sea+Ice+Concentration&group=0&submit=Search) |
| Land Mask |  | Surface | [lsmask.oisst.v2.nc](ftp://ftp.cdc.noaa.gov/Datasets/noaa.oisst.v2.highres/lsmask.oisst.v2.nc) |  |

**Usage Restrictions:**

* None

**Detailed Description:**

* Full description is [at NCDC](http://www.ncdc.noaa.gov/sst/) Data is a high resolution OI of SST using the AVHRR data.
* **Related Datasets**
  + [Monthly and weekly low resolution NOAA OI SST](http://www.esrl.noaa.gov/psd/data/gridded/data.noaa.oisst.v2.html)
  + [NOAA ERSST](http://www.esrl.noaa.gov/psd/data/gridded/data.noaa.ersst.html)

**Caveats:**

* None

**Related File Naming & Structure Information:**

File Names:

* var.day.stat.yyyy.v2.nc   *(In directory: /Datasets/noaa.oissst.v2.highres/)*

Dataset Format and Size:

* PSD standard [NetCDF](http://www.esrl.noaa.gov/psd/data/gridded/whatsnetCDF.html) 925 Mbyte file for each monthly file.

Missing Data:

* 32767

**Citation:**

* **Please note:** If you acquire NOAA High Resolution SST data products from PSD, we ask that you acknowledge us in your use of the data. This may be done by including text such as *NOAA High Resolution SST data provided by the NOAA/OAR/ESRL PSD, Boulder, Colorado, USA, from their Web site at http://www.esrl.noaa.gov/psd/* in any documents or publications using these data. We would also appreciate receiving a copy of the relevant publications. This will help PSD to justify keeping the NOAA High Resolution SST data set freely available online in the future. Thank you!

**References:**

* Reynolds, Richard W., Thomas M. Smith, Chunying Liu, Dudley B. Chelton, Kenneth S. Casey, Michael G. Schlax, 2007: Daily High-Resolution-Blended Analyses for Sea Surface Temperature. J. Climate, 20, 5473-5496. Reynolds, Richard W., Thomas M. Smith, Chunying Liu, Dudley B. Chelton, Kenneth S. Casey, Michael G. Schlax, 2007: Daily High-Resolution-Blended Analyses for Sea Surface Temperature. J. Climate, 20, 5473-5496.

**Original Source:**

* NCDC at <ftp://eclipse.ncdc.noaa.gov/pub/OI-daily-v2/>.

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