

# Documentation for MODIS LST Processing

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## Code

Code for producing the associated data is located at <https://code.earthengine.google.com/551fbc7f222579006f67bd3a4c518db8>.

## Metadata

- *Dataset Name:* MOD11A2.006 Terra Land Surface Temperature and Emissivity 8-Day Global 1km
- *Dataset Link:* <https://explorer.earthengine.google.com/#detail/MODIS%2F006%2FMOD11A2>
- *Processing Date:* August 21-24, 2018
- *Resolution:* 1000 m
- *Type:* Mean Annual Daytime LST
- *Units:* K
- *Scalar:* N/A
- *Projection:* WGS84
- *Bounds:*
  - *If labeled USA:* USA, incl. AK, HI, and Puerto Rico
  - *If labeled MCMURDO:* McMurdo Station, Antarctica and surrounding area
  - *If labeled PALMER:* Palmer Station, Antarctica and surrounding area

## QA/QC

Data were processed to remove poor-quality pixels. All pixels remaining in the dataset had emissivity errors of less than or equal to 0.01. Value errors are limited to less than or equal to 2 K.

QA values that were used for this product are listed below. See the Earth Engine documentation linked above ('Dataset Link') for specifics.

- *Property Name:* QC\_Day
- *Accepted Values:*
  - *Mandatory QA Flags:* 0, 1
  - *Data Quality Flag:* any
  - *Emissivity Error Flag:* 0
  - *LST Error Flag:* 0, 1