

Global monthly Land surface temperature

The dataset contains global monthly mean day-time and night-time land surface temperature averaged within 1 by 1 degree grid cells. The source for the data is MOD11C3 and MYD11C3 product (MODIS Land Surface Temperature and Emissivity Monthly L3 Global 0.05Deg CMG). The dataset covers the time period starting March 2000 from MODIS-Terra and July 2002 from MODIS-Aqua.

The projection of the data is latitude-longitude with the upper left corner of the first pixel of the first line positioned at 90N 180W.

The file naming "MOD11CM1_v005_night_lst_YYYYmMM" is the night-time temperature from MODIS/Terra, where "MM" is a two digit month number, and "YYYY" is a four-digit year. The first segment denotes the sensor. For MODIS/Aqua, the filename starts with MYD11CM1.

"MOD11CM1_v005_day__lst_YYYYmMM" is the day-time temperature

Temperature values are in degree K. Valid values are from 150K to 350K. -9999 means undetermined.