A Big Earth Data Platform for Three Poles

**Daily 0.01 °× 0.01 ° surface temperature data (v1.0) based on myd21a1 temperature data in Qilian Mountain Area (2018)**

1、Description

This dataset contains monthly and daily 0.01°×0.01° (2018) LST products in Qilian Mountain Area. The dataset was produced based on MYD21A1 LST products at a resolution of 0.01° along with some auxiliary datasets. The auxiliary datasets include Lat/Lon and the Julian Day information. MYD21A1 is the official LST product of MODIS, and the data is divided into day and night, using TES algorithm. Download URL: https://urs.earthdata.nasa.gov.

2、Keywords

Theme：Division,Ecology division,MODIS,Atmosphere Remote Sensing,River basin regional,land surface temperature,Ecological geography division
Discipline：Atmosphere,Human-nature Relationship
Places：Qilian Mountain Area
Time：Daily

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：5700.36MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.0 | - |
| west：89.0 | - | east：107.0 |
| - | south：34.0 | - |

5、Time frame:2018-01-14 16:00:00+00:00--2019-01-13 16:00:00+00:00

6、Reference method

References to data:

LI Hua. Daily 0.01 °× 0.01 ° surface temperature data (v1.0) based on myd21a1 temperature data in Qilian Mountain Area (2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2702722019

References to articles:

Li, H., Sun, D.L., Yu, Y.Y., Wang, H.Y., Liu, Y.L., Liu, Q.H., Du, Y.M., Wang, H.S., & Cao, B. (2014). Evaluation of the VIIRS and MODIS LST products in an arid area of Northwest China. Remote Sensing of Environment, 142, 111-121. doi:10.1016/j.rse.2013.11.014.

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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