A Big Earth Data Platform for Three Poles

**Global monthly all-sky land surface temperature (2000-2020)**

1、Description

The global monthly all-sky land surface temperature (2000-2020) is produced by the method from Chen et al. 2017 JHM.

2、Keywords

Theme：All-weather,Thermal infrared,MODIS,Atmosphere Remote Sensing,land surface temperature,Terrestrial Surface Remote Sensing  
Discipline：Atmosphere,Terrestrial Surface  
Places：ｇｌｏｂａｌ　ｌａｎｄ  
Time：2000-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：3000.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：-180.0 | - | east：180.0 |
| - | south：-90.0 | - |

5、Time frame:1999-12-31 16:00:00+00:00--2020-11-29 16:00:00+00:00

6、Reference method

References to data:

BOB Su, CHEN Xuelong, MA Yaoming. Global monthly all-sky land surface temperature (2000-2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2711802021

References to articles:

Chen, X.\*, Su, Z., Ma, Y., Liu, S., Yu, Q., and Xu, Z. (2014). Development of a 10 year (2001–2010) 0.1° dataset of land-surface energy balance for mainland China, Atmos. Chem. Phys., 14, 13097–13117, doi:10.5194/acp-14-13097-2014.

7、Supporting project information

8、Data resource provider

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