A Big Earth Data Platform for Three Poles

**The monthly mean air temperature in the Qilian Mountains on the Qinghai-Tibetan Plateau (1980-2013)**

1、Description

This dataset includes the monthly air temperature at 2 m in the Qilian Mountain area on the Qinghai-Tibetan Plateau during 1980 to 2013. The dataset was obtained from the ERA-interim reanalysis product. The ERA-interim system includes a 4-dimensional variational analysis (4D-Var). The quality of the data has been improved using the bias correction of satellite data. The spatial resolution of the dataset is 0.125°. The dataset includes the grid data of the air temperature in the Qilian Mountain area during the past 30 years, and provides a basic data for the studies such as climatic change, ecosystem succession, and earth system models.

2、Keywords

Theme：Temperature,Galactic System
Discipline：Atmosphere,Solar-Terrestrial Physics and Astronomy
Places：Tibetan Plateau, Qilian Mountain Area
Time：1980-2013

3、Data details

1.Scale：None

2.Projection：

3.Filesize：11.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：95.0 | - | east：104.0 |
| - | south：36.0 | - |

5、Time frame:1980-01-07 08:00:00+00:00--2014-01-06 08:00:00+00:00

6、Reference method

References to data:

WU Xiaodong. The monthly mean air temperature in the Qilian Mountains on the Qinghai-Tibetan Plateau (1980-2013). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2704782019

References to articles:

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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