A Big Earth Data Platform for Three Poles

**Yearly mean of spring soil moisture over the Tibetan Plateau**

1、Description

This data set is a 21 year (1988-2008) surface soil moisture data set in the Qinghai Tibet Plateau. The temporal resolution is yearly, the spatial resolution is 25km, and the data unit is m3 / m3. Based on the retrieval of plateau soil moisture by van der Velde et al. (2014), the data set was generated by using three-dimensional discrete transformation method to make up for the lack of value. The data has been verified by the site, and compared with the reanalysis data, it is found that the data quality is better. The data can be used to study the spatiotemporal variation of soil moisture in spring.

2、Keywords

Theme：Soil,Surface Water,Satellite,SSM/I,Remote Sensing Technology,Soil moisture,Spring of the mean,Soil moisture,Soil moisture/Water content,Spring
Discipline：Terrestrial Surface,Remote Sensing Technology
Places：Tibetan Plateau
Time：from 1988 to 2008

3、Data details

1.Scale：None

2.Projection：

3.Filesize：2.41MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：47.425 | - |
| west：67.675 | - | east：104.925 |
| - | south：22.675 | - |

5、Time frame:1988-05-31 03:00:00+00:00--2008-05-31 04:00:00+00:00

6、Reference method

References to data:

WANG Guojie. Yearly mean of spring soil moisture over the Tibetan Plateau. A Big Earth Data Platform for Three Poles, doi:10.11888/Soil.tpdc.2716112021

References to articles:

7、Supporting project information

The National Natural Science Foundation of China

8、Data resource provider

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