A Big Earth Data Platform for Three Poles

**The monitoring data of soil temperature about a typical soil profile in Hongnigou Catchment (May 2013-August 2013 )**

1、Description

1. Data Description  
The soil temperature monitoring of the typical soil profile of Hongnigou catchment distributes in seven different depth, which are 20cm, 40cm, 60cm, 80cm, 120cm, 160cm and 200cm. The observation frequency is 1 time every 30 minutes. The time range of the monitoring data is from May 7, 2013 to August 25, 2013.  
2. Sampling Location  
The soil temperature monitoring site of typical soil profile in Hulugou small catchment is located along the middle and lower part of Hongnigou. The geographic coordinates are 99°52′25.3′′E, 38°15′37.97′′N.  
3.Testing Method  
Soil temperature observations were performed using a HOBO Pendant® Temperature/Light Data Logger 64K - UA-002-64 temperature recorder.

2、Keywords

Theme：Soil,Soil temperature,Soil horizons/profile  
Discipline：Terrestrial Surface  
Places：Upper Reaches of Heihe Basin, Hongnigou, Hulugou  
Time：2013

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.3MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.26055 | - |
| west：99.87369 | - | east：99.87369 |
| - | south：38.26055 | - |

5、Time frame:2013-05-15 16:00:00+00:00--2013-09-02 16:00:00+00:00

6、Reference method

References to data:

SUN Ziyong. The monitoring data of soil temperature about a typical soil profile in Hongnigou Catchment (May 2013-August 2013 ). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.009.2015.db2015

References to articles:

7、Supporting project information

Exploring snowmelt runoff processes using isotopic and hydrochemical data in Heihe River headwater catchments

8、Data resource provider

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