A Big Earth Data Platform for Three Poles

**The monitoring data of soil temperature about a typical soil profile in Hongnigou catchment (September 2012-May 2013 )**

1、Description

1. Data overview
The soil temperature monitoring point of the typical soil profile in the small basin of cucurbitou was set in the middle and lower part of the red mud ditch, and its geographical coordinates were 99 ° 52 '25.3 "E, 38 ° 15' 37.97" N.
Soil Temperature was observed using HOBO Pendant® Temperature/Light Data Logger 64k-ua-002-64 Temperature recorder.
2. data content
Soil temperature monitoring in typical soil profile of hongnigou is divided into seven layers, with depth distribution of 20cm, 40cm, 60cm, 80cm, 120cm, 160cm and 200cm.The frequency of observation is 1 time /15 minutes.The time range of observation data is from September 7, 2012 to May 6, 2013.

2、Keywords

Theme：Soil,Soil temperature,Soil horizons/profile
Discipline：Terrestrial Surface
Places：Upper Reaches of Heihe Basin, Hongnigou, Hulugou
Time：2012, 2013

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：1.2MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.26206 | - |
| west：99.87092 | - | east：99.87712 |
| - | south：38.25759 | - |

5、Time frame:2013-03-16 08:00:00+00:00--2013-11-13 20:00:00+00:00

6、Reference method

References to data:

SUN Ziyong. The monitoring data of soil temperature about a typical soil profile in Hongnigou catchment (September 2012-May 2013 ). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.058.2014.db2014

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

name: SUN Ziyong
unit: China University of Geosciences
email: ziyong.sun@gmail.com