A Big Earth Data Platform for Three Poles

**Frozen depth of frozen ground in Hulugou sub-basin of the Heihe River Basin (2013)**

1、Description

1. Data overview:  
This data set is the data set of frozen depth of permafrost observed artificially in qilian station from January 1, 2013 to December 31, 2013, and observed at 08 o 'clock every day.  
2. Data content:  
The data content is the frozen depth data set of the tundra.The frozen depth (length) of the water in the inner rubber tube is used as a record to determine the freezing level and the upper and lower depth of the frozen layer according to the freezing position and length of the water in the frozen pot.In centimeters (cm), round off the whole number and round off the decimal.Observe once a day at 0:8.  
3. Space and time range:  
Geographical coordinates: longitude: 99° 53’e;Latitude: 38°16 'N;Height: 2981.0 m

2、Keywords

Theme：Frozen ground distribution,Frozen depth,Frozen Ground  
Discipline：Cryosphere  
Places：Heihe River Basin, Hulugou Basin,   
Time：2013

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.02MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.3 | - |
| west：99.9 | - | east：99.9 |
| - | south：38.3 | - |

5、Time frame:2013-01-10 08:00:00+00:00--2014-01-09 08:00:00+00:00

6、Reference method

References to data:

SONG Yaoxuan, LIU Junfeng, LIU Zhangwen, YANG Yong, CHEN Rensheng. Frozen depth of frozen ground in Hulugou sub-basin of the Heihe River Basin (2013). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.303.2015.db2014

References to articles:

Han, C.T., Chen, R.S., Liu, Z.W., Yang, Y., Liu, J.F., Song, Y.X., Wang, L., Liu, G.H., Guo, S.H.,, & Wang, X.Q. (2018). Cryospheric Hydrometeorology Observation in the Hulu Catchment (CHOICE), Qilian Mountains, China. Vadose Zone Journal, 17(1), 1-18.  
  
Chen, R.S., Song, Y.X., Kang, E.S., Han, C.T., Liu, J.F., Yang, Y., Qing, W.W., &Liu, Z.W. (2014). A Cryosphere-Hydrology Observation System in a Small Alpine Watershed in the Qilian Mountains of China and Its Meteorological Gradient. Arctic, Antarctic, and Alpine Research, 46(2), 505-523.

7、Supporting project information

8、Data resource provider

name: SONG Yaoxuan  
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences  
email: yxsdesert@sina.com  
  
name: LIU Zhangwen  
unit: Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences  
email: zwliu@lzb.ac.cn  
  
name: LIU Junfeng  
unit:   
email:   
  
name: CHEN Rensheng  
unit:   
email: crs2008@lzb.ac.cn  
  
name: YANG Yong  
unit:   
email: