A Big Earth Data Platform for Three Poles

**Frozen depth of frozen ground in Hulugou sub-basin of the Heihe River Basin (2011)**

1、Description

1. Data overview:
this data set is the data set of artificial observation of frozen soil depth at Qilian station from January 1, 2011 to December 31, 2011, at 08:00 every day.
2. Data content:
data content is frozen depth data set of permafrost. Frozen soil observation uses the frozen depth (length) of water poured into the rubber inner tube as a record. According to the position and length of water frozen in the permafrost buried in the soil, the frozen layer and its upper and lower limit depths are measured. In centimeters (CM), rounded to the nearest whole number. Observe once every day at 0.8 o'clock.
3. Space time scope:
geographic coordinates: longitude: 99 ° 53 ′ E; latitude: 38 ° 16 ′ n; altitude: 2981.0m

2、Keywords

Theme：Frozen ground distribution,Frozen depth,Frozen Ground
Discipline：Cryosphere
Places：Heihe River Basin, Hulugou Basin,
Time：2011

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:2011-01-13 14:20:00+00:00--2012-01-12 14:21:00+00:00

6、Reference method

References to data:

Frozen depth of frozen ground in Hulugou sub-basin of the Heihe River Basin (2011). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.086.2013.db2015

References to articles:

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.

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.

7、Supporting project information

8、Data resource provider