A Big Earth Data Platform for Three Poles

**Ground water level dataset in Hulugou sub-basin of Heihe River Basin (2011)**

1、Description

1. Data overview:
This data set is the daily scale groundwater level data of Qilian station from November 1, 2011 to December 31, 2011. In October 2011, two groundwater monitoring wells were arranged in hulugou small watershed. Well 1 is located beside the general control hydrological section of hulugou watershed, with a depth of 12.8m and an aperture of 12cm. Well 2 is located in the east of the Delta, about 100m away from the river, with a depth of 14.7m and an aperture of 12cm. 2. Data content:
U20hobo water level sensor is arranged in the groundwater well, which is mainly used to monitor the change of groundwater level and temperature in hulugou small watershed. The data content is the temperature and atmospheric pressure inside the hole, and the data is the daily scale data.
3. Space time scope:
Geographic coordinates of well 1: longitude: longitude: 99 ° 53 ′ E; latitude: 38 ° 16 ′ n; altitude: 2974m (near the hydrological section at the outlet of the basin). Geographic coordinates of well 2: longitude: 99 ° 52 ′ E; latitude: 38 ° 15 ′ n; altitude: 3204.1m (east side of the East Branch of the delta).

2、Keywords

Theme：Underground water level,Ground Water
Discipline：Terrestrial Surface
Places：Heihe River Basin, Hulugou Basin, Groundwater Level,
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:2011-11-10 22:19:00+00:00--2012-01-09 22:19:00+00:00

6、Reference method

References to data:

SONG Yaoxuan, LIU Junfeng, LIU Zhangwen, HAN Chuntan, YANG Yong, CHEN Rensheng, QING Wenwu. Ground water level dataset in Hulugou sub-basin of Heihe River Basin (2011). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.085.2013.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

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: HAN Chuntan
unit:
email: hancht@lzb.ac.cn

name: CHEN Rensheng
unit:
email: crs2008@lzb.ac.cn

name: YANG Yong
unit:
email:

name: QING Wenwu
unit:
email: