A Big Earth Data Platform for Three Poles

**Runoff dataset in Hulugou outlet of Qilian station in the upstream of the Heihe River (2012)**

1、Description

1. Data overview:
this data set is the total surface runoff of hulugou drainage basin controlled by the outlet hydrological section of Qilian station from January 1, 2012 to December 1, 2012.
2. Data content:
at 08:00, 14:00 and 20:00 every day, the flow rate and water level change of the outlet hydrological section of hulugou River Basin are regularly observed (the flow rate is measured by ls45a rotating cup type flow meter produced by Chongqing Huazheng Hydrological Instrument Co., Ltd., and the water level change is monitored in real time by hobo pressure type water level meter), the water level flow relationship is established, and the outlet flow of the river basin is calculated.
3. Space time scope:
geographic coordinates: longitude: 99 ° 53 ′ E; latitude: 38 ° 16 ′ n; altitude: 2962.5m.

2、Keywords

Theme：Stage height,Surface Water,Hydrology section,Runoff
Discipline：Terrestrial Surface
Places：Heihe River Basin, Hulugou Basin,
Time：2012

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:2012-01-13 19:00:00+00:00--2013-01-12 19:00:00+00:00

6、Reference method

References to data:

Runoff dataset in Hulugou outlet of Qilian station in the upstream of the Heihe River (2012). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.064.2014.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