A Big Earth Data Platform for Three Poles

**Runoff dataset in Hulugou outlet of Qilian station in the upstream of Heihe River (2011)**

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, 2011 to November 2, 2011.   
2. Data content:   
the flow data of the hydrological section at the outlet of hulugou, and the flow of the hydrological section at the outlet of the drainage basin is regularly observed at 08:00, 14:00 and 20:00 every day (the ls45a rotating cup type current meter produced by Chongqing Huazheng Hydrological Instrument Co., Ltd. is used for measurement). At the same time, hobo pressure water level gauge is used to monitor the change of water level in real time and establish the relationship between water level and discharge.   
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, Cold Area Hydrology,   
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:2011-01-11 22:03:00+00:00--2011-11-12 22:03:00+00:00

6、Reference method

References to data:

Runoff dataset in Hulugou outlet of Qilian station in the upstream of Heihe River (2011). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.109.2013.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