A Big Earth Data Platform for Three Poles

**Integrated environment observation data of base camp in Hulugou sub-basin of Heihe River Basin (2011)**

1、Description

1. Data overview  
The data set of the base camp integrated environmental observation system is a set of ENVIS (IMKO, Germany) which was installed at the base camp observation point by qilian station.It is stored automatically by ENVIS data mining system.  
2. Data content  
This data set is the scale data from January 1, 2011 to December 31, 2011.It mainly includes two layers of temperature, humidity and wind, six layers of soil water content, precipitation, 5cm geothermal flux, total radiation, seven layers of soil temperature, CO2 and air pressure.  
3. Space and time scope  
Geographical coordinates: longitude: 99° 53’e;Latitude: 38°16 'N;Height: 2980.2 m

2、Keywords

Theme：Soil,Precipitation,Temperature,Precipitation amount,Soil temperature,Soil moisture/Water content,Soil heat flux  
Discipline：Atmosphere,Terrestrial Surface  
Places：Heihe River Basin, Hulugou Basin  
Time：2011

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.128MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.2 | - |
| west：99.8 | - | east：99.8 |
| - | south：38.2 | - |

5、Time frame:2011-01-07 15:18:00+00:00--2012-01-06 15:18:00+00:00

6、Reference method

References to data:

CHEN Rensheng. Integrated environment observation data of base camp in Hulugou sub-basin of Heihe River Basin (2011). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.089.2013.db2015

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

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