A Big Earth Data Platform for Three Poles

**Manual observation of meteorological data in Hulugou sub-basin of Heihe River Basin (2012)**

1、Description

1. Data overview:
In 2012, the standard meteorological field of qilian station, Cold and Arid Regions Environmental and Engineering Research Institute, observed various meteorological elements manually at time of 8:00, 14:00 and 20:00 every day.
2. Data content:
The data include dry bulb temperature, wet bulb temperature, maximum temperature, minimum temperature, surface temperature (0cm), shallow surface temperature (5cm, 10cm, 15cm, 20cm), maximum surface temperature, minimum surface temperature.
3. Space and time range:
Geographical coordinates: longitude: 99.9e;Latitude: 38.3n;Height: 2980 m.

2、Keywords

Theme：Maximum/Minimum temperature,Temperature,Skin temperature
Discipline：Atmosphere
Places：Heihe River Basin, Upper Reaches of Heihe Basin, Hulugou Basin
Time：2012

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.04MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.3 | - |
| west：99.9 | - | east：99.9 |
| - | south：38.3 | - |

5、Time frame:2012-01-09 15:26:00+00:00--2013-01-08 15:27:00+00:00

6、Reference method

References to data:

CHEN Rensheng. Manual observation of meteorological data in Hulugou sub-basin of Heihe River Basin (2012). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.111.2014.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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