A Big Earth Data Platform for Three Poles

**Database of Central Asia Great Lakes region groundwater depth (2021)**

1、Description

Data content: groundwater depth data of Nukus irrigation area from January 2021 to December 2021, that is, the distance from the groundwater table to the surface, in M.  
Data source and processing method: this data is collected from the automatic groundwater monitoring station in Nukus irrigation area.  
Data quality description: this data is site data with a time resolution of 3 hours.  
Data application achievements and prospects: it can be used to statistically analyze the variation characteristics of groundwater depth with time and space in the irrigation area, and analyze the impact of climate change and human activities on groundwater level in combination with other hydrometeorological parameters. It can also be used to analyze the interaction process between surface water and groundwater.

2、Keywords

Theme：Ground Water,Groundwater depth  
Discipline：Terrestrial Surface  
Places：NUKUS  
Time：2021

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：0.26MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：43.3 | - |
| west：58.33 | - | east：60.19 |
| - | south：42.21 | - |

5、Time frame:2020-12-31 16:00:00+00:00--2021-12-05 16:00:00+00:00

6、Reference method

References to data:

LIU Tie. Database of Central Asia Great Lakes region groundwater depth (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2726122022

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program  
Water and ecosystem collaborative management and decision support

8、Data resource provider

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