A Big Earth Data Platform for Three Poles

**Central Asia Great Lakes database - temperature (2021)**

1、Description

Data content: temperature data of Nukus irrigation area from January 2021 to December 2021, unit: 0.1 ℃.  
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: in the context of climate change, it can be used to analyze the correlation between meteorological elements and groundwater characteristics, and can also be combined with other hydrometeorological data to analyze the temporal and spatial distribution and change characteristics of groundwater. At the same time, it can also be used as basic data for research in related fields such as extreme climate, food production reduction and human health.

2、Keywords

Theme：Temperature  
Discipline：Atmosphere  
Places：NUKUS  
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.2MB

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--2021-12-15 16:00:00+00:00

6、Reference method

References to data:

LIU Tie. Central Asia Great Lakes database - temperature (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Atmos.tpdc.2726072022

References to articles:

7、Supporting project information

8、Data resource provider

name: LIU Tie  
unit:   
email: liutie@ms.xjb.ac.cn