A Big Earth Data Platform for Three Poles

**Water quality multi-parameter dataset of Chakarejue Lake (2017)**

1、Description

This is the water quality multi-parameter data set of Chakarejue Lake during the River and Lake Source Investigation in 2017.It is used to acquire basic physical and chemical indices of lakes. And it can prepare for the following modern observation studies of lakes.
The data is observed on August 30, 2017. It is measured by the YSI EXO2 multi-parameter water quality instrument. Instrument calibration is made before each measurement based on the altitude of the lake and the local pressure. The measuring interval is 0.25s. To ensure the data is frequently and continuously acquired, the instrument is slowly released. The original data includes data measured above the water surface, which is exposed to the air, and it has all been eliminated in the post processing. The data is stored as an excel file.

2、Keywords

Theme：Surface Water,Water temperature,Conductivity,Dissolved gases,alkalinity,Chlorophyll,Nutrients,Water Quality/Water Chemistry,Lakes
Discipline：Terrestrial Surface
Places：Chakarejue Lake
Time：2017

3、Data details

1.Scale：1

2.Projection：None

3.Filesize：0.06MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：73.0 | - | east：104.0 |
| - | south：25.0 | - |

5、Time frame:2017-09-13 08:00:00+00:00--2017-09-14 07:59:59+00:00

6、Reference method

References to data:

WANG Junbo. Water quality multi-parameter dataset of Chakarejue Lake (2017). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2700452018

References to articles:

7、Supporting project information

8、Data resource provider

name: WANG Junbo
unit: Institute of Tibetan Plateau Research, Chinese Academy of Sciences
email: wangjb@itpcas.ac.cn