A Big Earth Data Platform for Three Poles

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

1、Description

This is the water quality multi-parameter data set of Mapam Yumco 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 observed time is from September 4, 2017 to September 7, 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：Mapam Yumco  
Time：2017

3、Data details

1.Scale：1

2.Projection：None

3.Filesize：0.47MB

4.Data format：EXCEL

4、Space scope

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

5、Time frame:2017-09-14 09:59:00+00:00--2017-09-17 09:59:00+00:00

6、Reference method

References to data:

WANG Junbo. Water quality multi-parameter dataset of Mapam Yumco Lake (2017). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2700362018

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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