A Big Earth Data Platform for Three Poles

**Monitoring data on lake water temperature in Bangong Co and Dagze Co (2012-2013)**

1、Description

Lake water temperature data, including water temperature values at different water depths, were collected in Bangong Co and Dagze Co.  
Data collection time:  
Bangong Co: July 30, 2012, to August 20, 2013  
Dagze Co: August 18, 2012, to August 29, 2013  
Data sampling interval: 1 hour  
Instruments used for data acquisition: HOBO Water Temperature Pro V2 U22-001 thermometer from ONSET in the USA (https://www.onsetcomp.com/products/data-loggers/u22-001)  
The data table was processed and quality controlled by a particular person based on the observation record, and the data with obvious errors were removed. The data have been published in relevant academic journals in strict accordance with relevant regulations.  
These data could be applied in modern lake science, hydrologic model research and other fields.  
Water depth, unit: m  
Temperature, unit: Celsius (°C)  
Data accuracy: ±0.2 °C

2、Keywords

Theme：Surface Water,Water temperature,Water Quality/Water Chemistry,Lakes  
Discipline：Terrestrial Surface  
Places：Tibetan Plateau , Dagze Co, Bangong Co  
Time：2012-2013

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1.3MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.0 | - |
| west：79.0 | - | east：87.0 |
| - | south：31.0 | - |

5、Time frame:2012-08-07 00:00:00+00:00--2013-09-06 00:00:00+00:00

6、Reference method

References to data:

WANG Mingda, HOU Juzhi. Monitoring data on lake water temperature in Bangong Co and Dagze Co (2012-2013). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydrology.tpe.249431.db2018

References to articles:

王明达, 侯居峙, & 类延斌. (2014). 青藏高原不同类型湖泊温度季节性变化及其分类. 科学通报, 59(31), 3095-3103.

7、Supporting project information

Database construction of climate and ecological environment parameters on the Qinghai-Tibet Plateau

8、Data resource provider

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