A Big Earth Data Platform for Three Poles

**Qinghai Lake hydrology and climate data (1956-2020)**

1、Description

Lake surface water temperature (LSWT) at Xiashe station from 1967 to 2020;
Lake ice depth and lake ice duration at Xiashe station from 1994 to 2020;
Runoff at Buha station from 1956 to 2020;
Lake level at Xiashe station from 1956 to 2020;
Lake area from 1956 to 2020 estimated from the correlation constructed between lake area derived from Landsat images and lake level from gauge measurements in 2001−2020;
Air temperature (T) at Gangcha station from 1958 to 2019;
Precipitation (P) at Gangcha station from 1958 to 2019

2、Keywords

Theme：Others,Lake,Lake ice,Runoff,lake level,lake surface water temperature
Discipline：Cryosphere
Places：Qinghai Lake
Time：1956-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.03MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.0 | - |
| west：98.0 | - | east：110.0 |
| - | south：36.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHANG Guoqing. Qinghai Lake hydrology and climate data (1956-2020). A Big Earth Data Platform for Three Poles, doi:10.1080/27669645.2021.20158702021

References to articles:

Zhang, G., & Duan, S. (2021). Lakes as sentinels of climate change on the Tibetan Plateau. All Earth. doi: 10.1080/27669645.2021.2015870

7、Supporting project information

8、Data resource provider

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