A Big Earth Data Platform for Three Poles

**Ice core δ18O and accumulations dataset (1900-2011)**

1、Description

Among many indicators reflecting changes in climate and environment, the stable isotope index of ice core is an indispensable parameter in ice core record research, and it is one of the most reliable means and the most effective way to restore past climate change. Meanwhile, ice core accumulation is a direct record of precipitation on the glacier, and high-resolution ice core records ensure continuity of precipitation records. Therefore, ice core records provide an effective means of restoring changes in precipitation. Stable isotopes from ice cores drilled throughout the TP have been used to reconstruct climate histories extending back several thousands of years. This dataset provides data support for studying climate change on the Tibetan Plateau.

2、Keywords

Theme：Snow,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：Tibetan Plateau
Time：1900-2011

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.33MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.0 | - |
| west：65.0 | - | east：102.0 |
| - | south：26.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

XU Baiqing. Ice core δ18O and accumulations dataset (1900-2011). A Big Earth Data Platform for Three Poles, doi:10.11888/Glacio.tpdc.2702372019

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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