A Big Earth Data Platform for Three Poles

**Different glacier status with atmospheric circulations in Tibetan Plateau and surroundings (1970s-2000s)**

1、Description

This data set is collected from the supplementary information part of the paper: Yao, T. , Thompson, L. , & Yang, W. . (2012). Different glacier status with atmospheric circulations in tibetan plateau and surroundings. Nature Climate Change, 1580, 1-5.
This paper report on the glacier status over the past 30 years by investigating the glacial retreat of 82 glaciers, area reductionof 7,090 glaciers and mass-balance change of 15 glaciers.
This data set contains 8 tables, the names and content are as follows:
Data list: The data name list of the rest tables;
t1: Distribution of Glaciers in the TP and surroundings;
t2: Data and method for analyzing glacial area reduction in each basin;
t3: Glacial area reduction during the past three decades from remote sensing images in the TP and surroundings;
t4: Glacial length fluctuationin the TP and surroundings in the past three decades;
t5: Detailed information on the glaciers for recent mass balance measurement in the TP and surroundings;
t6: Recent annual mass balances in different regions in the TP;
t7: Mass balance of Long-time series for the Qiyi, Xiaodongkemadi and Kangwure Glaciers in the TP.
See attachments for data details: Supplementary information.pdf, Different glacier status with atmospheric circulations in Tibetan Plateau and surroundings.pdf.

2、Keywords

Theme：Length,Mass balance,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：The Tibetan Plateau and the surrounding areas, Tibetan Plateau
Time：1970s-2000s

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.03MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：47.0 | - |
| west：67.0 | - | east：104.0 |
| - | south：23.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

YAO Tandong. Different glacier status with atmospheric circulations in Tibetan Plateau and surroundings (1970s-2000s). A Big Earth Data Platform for Three Poles, doi:10.11888/Glacio.tpdc.2701002019

References to articles:

Yao, T.D., Thompson, L., & Yang, W. (2012). Different glacier status with atmospheric circulations in tibetan plateau and surroundings. Nature Climate Change, 1580, 1-5.

7、Supporting project information

8、Data resource provider

name: YAO Tandong
unit: Institute of Tibetan Plateau Research, CAS
email: yaotd@itpcas.ac.cn