A Big Earth Data Platform for Three Poles

**Dataset of mass balance on the Laohugou Glacier No. 12, western Qilian Mountains (2014-2018)**

1、Description

1) Dataset: The dataset includes mass balance data during 2010-2015 on the Laohuogou Glacier No. 12.
2) Sourc and methods: the mass balances were measured at each 100 m elevation belt, and every elevation had installed three plastic stick to measure mass balance. The mass balance of entire glacier was mesrued in May and September, the glacier-wide mass balance was calculated following met Area-Average method.
3) Data quality dsecription: data were manually measured following glaciology method, with a good quality.

2、Keywords

Theme：Mass balance,Glacier(Ice Sheet)
Discipline：Cryosphere
Places：
Time：

3、Data details

1.Scale：25000

2.Projection：

3.Filesize：0.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.5 | - |
| west：96.5 | - | east：96.5 |
| - | south：39.5 | - |

5、Time frame:2014-09-08 08:00:00+00:00--2018-09-07 08:00:00+00:00

6、Reference method

References to data:

LIU Yushuo. Dataset of mass balance on the Laohugou Glacier No. 12, western Qilian Mountains (2014-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Glacio.tpdc.2700062018

References to articles:

Chen, J.Z., Qin, X., Kang, S.C., Du, W.T., Sun, W.J., & Liu, Y.S. (2018). Effects of clouds on surface melting of Laohugou glacier No. 12, western Qilian Mountains, China. Journal of Glaciology, 64(243), 89-99.

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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