A Big Earth Data Platform for Three Poles

**Glacier distribution map in the Sanjiangyuan based on the second glacier inventory (2008)**

1、Description

This data set is extracted from the second Glacier Inventory Data Set of China for Three River Source area. The file is SHP format. The attribute data are as follows: Glc\_Name (glacier name), Drng\_Code (basin code), FCGI\_ID (first glacier catalogue code), GLIMS\_ID (GLIMS glacier code), Mtn\_Name (mountain system name), Pref\_Name (administrative division), Glc\_Long (glacier longitude), Glc\_Lati (glacier latitude), Glc\_Area (glacier area), Abs\_Accu (absolute area accuracy), Rel\_Accu (relative area accuracy), Deb\_Area (surface Moraine Area), Deb\_A\_Accu (absolute accuracy of surface moraine Area), Deb\_R\_Accu (relative accuracy of surface moraine area)、Glc\_Vol\_A (estimation of glacier volume 1)、Glc\_Vol\_B (estimation of glacier volume 2)、Max\_Elev (maximum glacier elevation)、Min\_Elev (minimum glacier elevation)、Mean\_Elev (average glacier elevation)、MA\_Elev (median area height of glacier)、Mean\_Slp (average glacier slope)、Mean\_Asp (average glacier slope direction)、Prm\_Image (major remote sensing data)、Aux\_Image (auxiliary remote sensing data)、Rep\_Date (glacier catalogue represents date)、Elev\_Src (elevation data source)、Elev\_Date (elevation represents date)、Compiler (glacier cataloguing editor)、Verifier (glacier cataloguing verifier).

2、Keywords

Theme：Glaciers,glacier inventory,Glacier(Ice Sheet)  
Discipline：Cryosphere  
Places：Hoh Xil, Three Rivers Source  
Time：2008

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：3.17MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.38 | - |
| west：89.15 | - | east：102.58 |
| - | south：30.79 | - |

5、Time frame:2008-01-14 08:00:00+00:00--2009-01-13 08:00:00+00:00

6、Reference method

References to data:

GUO Wanqin, XU Junli, LIU Shiyin. Glacier distribution map in the Sanjiangyuan based on the second glacier inventory (2008). A Big Earth Data Platform for Three Poles, doi:10.11888/Glacio.tpdc.2708102018

References to articles:

刘时银, 姚晓军, 郭万钦, 许君利, 上官冬辉, 魏俊锋, 鲍伟佳, 吴立宗. (2015). 基于第二次冰川编目的中国冰川现状. 地理学报, 70(1), 3-16.  
  
Guo,W.Q., Liu, S.Y., Xu, L., Wu, L.Z., Shangguan, D.H., Yao, X.J., Wei, J.F., Bao, W.J., Yu, P.C., Liu, Q., & Jiang, Z.L.. (2015). The second Chinese glacier inventory: data, methods and results. Journal of Glaciology, 61(226), 357-372.  
  
刘时银, 张勇, 刘巧等. (2017). 气候变化对冰川影响与风险研究. 科学出版社.

7、Supporting project information

8、Data resource provider

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