A Big Earth Data Platform for Three Poles

**Distribution data of underground ice in permafrost regions of Qilian Mountains (2013-2015)**

1、Description

This data set is the distribution data of permafrost and underground ice in Qilian Mountains. Based on the existing borehole data, combined with the Quaternary sedimentary type distribution data and land use data in Qilian mountain area, this paper estimates the distribution of underground ice from permafrost upper limit to 10 m depth underground. In this data set, 374 boreholes in Qilian mountain area are used, and the indication function of Quaternary sedimentary type to underground ice storage is considered, so it has certain reliability. This data has a certain scientific value for the study of permafrost and water resources in Qilian Mountains. In addition, it has a certain promotion value for the estimation of underground ice reserves in the whole Qinghai Tibet Plateau.

2、Keywords

Theme：Ground ice,Frozen Ground
Discipline：Cryosphere
Places：QiLianShan area
Time：2013-2015

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：1.52MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：35.8 | - |
| west：93.5 | - | east：103.1 |
| - | south：39.8 | - |

5、Time frame:None--None

6、Reference method

References to data:

Distribution data of underground ice in permafrost regions of Qilian Mountains (2013-2015). A Big Earth Data Platform for Three Poles, doi:10.11888/Geocry.tpdc.2709332020

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program
Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider