A Big Earth Data Platform for Three Poles

**Active layer thickness in the Qilian Mountains (2011-2014)**

1、Description

Active layer thickness in mountians shows strong spatial heterogeneity mainly due to the complex terrain. In this data set, the active layer thickness in the upper reaches of Heihe River Basin is systematically investigated by ground-penetrating radar (GPR) and other traditional methods. Compared with other direct measurement methods, the error is about 8 cm, indicating a high reliability. This data set can provide detailed field data for understanding the active layer thickness in this area and can provide evaluation datasets for the land surface model, especially for permafrost research.

2、Keywords

Theme：Active layer,Frozen Ground  
Discipline：Cryosphere  
Places：Tibetan Plateau, Heihe River, Qilian Mountains  
Time：2011-2014

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：0.01MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.0 | - |
| west：98.0 | - | east：101.0 |
| - | south：38.0 | - |

5、Time frame:2011-07-10 00:00:00+00:00--2015-06-08 00:00:00+00:00

6、Reference method

References to data:

CAO Bin, CAO Bin. Active layer thickness in the Qilian Mountains (2011-2014). A Big Earth Data Platform for Three Poles, doi:10.11888/Geocry.tpdc.2703242020

References to articles:

7、Supporting project information

8、Data resource provider

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