A Big Earth Data Platform for Three Poles

**Tree ring based of drought reconstruction in the Qilian Mountains in the past 200 years**

1、Description

By collecting the tree ring width data in the Qilian Mountain and its surrounding areas, a regional tree ring chronological network is established. On this basis, the variability of Standardized Precipitation Evapotranspiration Index (SPEI) in the Qilian mountain area from May to August in recent 200 years is reconstructed by using the point by point reconstruction method, and the spatial resolution of the reconstruction is 0.5 \* 0.5 degrees.
All the data contained in this data set have passed the tests commonly used in tree ring climatology research, such as error reduction (RE), efficiency coefficient (CE) and correlation coefficient.
The data can be used to analyze the temporal and spatial variation of drought in Qilian Mountain and its surrounding areas in the past 200 years.

2、Keywords

Theme：Tree-ring,Paleoclimate Reconstruction
Discipline：Palaeoenvironment
Places：Qilian Mountains area
Time：The Past 200 Years

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.4MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.25 | - |
| west：93.75 | - | east：104.25 |
| - | south：35.75 | - |

5、Time frame:None--None

6、Reference method

References to data:

DENG Yang . Tree ring based of drought reconstruction in the Qilian Mountains in the past 200 years. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2721592021

References to articles:

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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