A Big Earth Data Platform for Three Poles

**Carbon and oxygen data of tree rings in central Serbia in westerly region**

1、Description

This data set consists of tree ring carbon and oxygen data in central Serbia in westerly region. The tree rings in central Serbia include two tree cores (C50 and C58), the tree species is Bosnia pine, and the measured isotopic data are 542. Cellulose was extracted from tree ring logs by chemical treatment, and the obtained cellulose samples were wrapped in a silver cup. The isotopic ratio was measured by Delta V advantage stable isotope mass spectrometer, and the analysis error was less than 0.21 ‰. The experimental analysis was completed in the laboratory of soil structure and minerals, Institute of Geology and Geophysics, Chinese Academy of Sciences. The climate type of Serbia is single. As shown in the thumbnail, the oxygen isotope sequences of tree rings (C50 and C58) in central Serbia and southern Serbia (H01, H02, H05 and H08) are highly correlated. Therefore, the carbon and oxygen isotope data sets of tree rings in central and southern Serbia (a total of 6 tree cores) are of certain significance for the study of Serbian paleoclimate in westerly region.

2、Keywords

Theme：Tree rings,Tree-ring
Discipline：Palaeoenvironment
Places：Serbia
Time：Since 1710

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.8MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：43.0 | - |
| west：20.0 | - | east：20.0 |
| - | south：43.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

XU Chenxi. Carbon and oxygen data of tree rings in central Serbia in westerly region. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2716822021

References to articles:

7、Supporting project information

Comparative study of past climate changes at multi-timescale in East Asian monsoon region and Westerly zone
NSFC Basic Research Center Program: Continental Evolution and Earth’s monsoon System

8、Data resource provider

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