A Big Earth Data Platform for Three Poles

**Sequence database of the lake core sporopollen spectrum and temperature/precipitation reconstruction of Yamdrog Yumtso, southern Tibetan Plateau (0-20kaBP)**

1、Description

This dataset contains data on the lake core sporopollen spectrum and temperature/precipitation reconstruction sequence of Yamdrog Yumtso Lake in the southern Tibetan Plateau. It is used to study the environmental changes in the Yamdrog Yumtso region by 20 ka. It is obtained by the sporopollen analysis method. This data set is obtained by laboratory measurement and calculation. The samples and data are collected and identified in strict accordance with relevant operating procedures at all stages.  
There are three subtables in this dataset.  
The first two tables comprise the following analysis data of TC1 pore sporopollen samples.  
Field 1: Sample Number  
Field 2: Sample Depth Unit: cm  
Field 3: Sample Age Unit: aBP  
Field 4: Total sporopollen concentration Units: granules/gram  
Field 5: Total Pollen Granules Unit: Number of grains  
Field 6: Total number of indicative pollen Unit: Number of grains  
Field 7: Identification of indicative pollen number Unit: Number of grains  
Field 8: Sample Weight Unit: Grams  
Field 9: Concentration Coefficient Units: granules / gram  
Field 1: Sample Number  
Field 2: Plant species  
Field 3: Pollen content Unit: %  
The third subtable is the reconstructed temperature precipitation and has 6 fields.  
Field 1: Sample Code  
Field 2: Sample Name  
Field 3: Depth Unit: cm  
Field 4: Age Unit: aBP  
Field 5: Average annual temperature Unit: 0.1 °C  
Field 6: Annual precipitation Unit: 0.1 mm  
The rock core was collected from the Yamdrog Yumtso Basin in the southern part of the Tibetan Plateau. The approximate sampling location is 90°27′E，28°56′N, and the altitude there is 4425 m.

2、Keywords

Theme：Precipitation,Temperature,Surface Water,Pollen,Lakes,Paleoclimate Reconstruction  
Discipline：Atmosphere,Terrestrial Surface,Palaeoenvironment  
Places：Tibetan Plateau , Yamdrog Yumtso  
Time：0-20kaBP

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.5MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：28.0 | - |
| west：90.0 | - | east：90.0 |
| - | south：28.0 | - |

5、Time frame:2018-11-15 11:08:47+00:00--2018-11-15 11:08:47+00:00

6、Reference method

References to data:

WANG Junbo, LV Houyuan. Sequence database of the lake core sporopollen spectrum and temperature/precipitation reconstruction of Yamdrog Yumtso, southern Tibetan Plateau (0-20kaBP). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecology.tpe.33.db2018

References to articles:

Wang, J.B., Peng, P., Ma, Q.F., Zhu, L.P., (2013). Investigation of water depth,water quality and modern sedimentation rate in mapam yumco and la'ang co,tibet. Journal of Lake Sciences, 25(4), 609-616.

7、Supporting project information

8、Data resource provider

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