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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