A Big Earth Data Platform for Three Poles

**Paleoclimate data of a 300-m thick Oligocene strata borehole in Qujing area, Yunnan**

1、Description

Qujing basin, located in the east of Yunnan Province, is a long and narrow faulted basin with a north-south trend. Thick and continuous Cenozoic sediments are preserved in the basin, which can be divided into Xiaotun Formation, Caijiachong Formation, and Ciying Formation from bottom to top. These sediments are ideal materials to explore the southeast escape and deformation affected by the India-Eurasian plate collision in the early Cenozoic and the formation and evolution history of the Indian monsoon. A total of a 320.1-meter core covering the entire Ciying Formation and the Caijiachong Formation was obtained through the continuous drilling mission carried out in the center of the basin in the previous study. The mass-specific magnetic susceptibility, anhysteretic remanent magnetization (ARM), and saturation isothermal remanent magnetization (SIRM) from parts of samples of Caijiachong core (320.1m) have been measured, and several important magnetic parameters were determined, including the high and low-frequency magnetic susceptibility (χlf), SIRM and ARM, thus providing important basic information for further mult-index climate reconstruction.

2、Keywords

Theme：Marine Sediments,Paleoclimate Reconstruction
Discipline：Palaeoenvironment
Places：Yunnan Province, Qujing Basin
Time：Oligocene

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.044MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：25.4 | - |
| west：103.9 | - | east：104.0 |
| - | south：25.3 | - |

5、Time frame:None--None

6、Reference method

References to data:

YAN Maodu. Paleoclimate data of a 300-m thick Oligocene strata borehole in Qujing area, Yunnan. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2717032021

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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