A Big Earth Data Platform for Three Poles

**Dataset of atmospheric factors for the late Pleistocene continental drift and modern topography numerical experiment**

1、Description

The climate model used is a fast air sea coupled model (famous) developed jointly by the British meteorological agency and the University of England. In the famous model, the horizontal resolution of the atmospheric model is 5 °× 7.5 ° and there are 11 layers in the vertical direction; the horizontal resolution of the ocean model is 2.5 °× 3.75 ° and there are 20 layers in the vertical direction. The atmosphere and the ocean are coupled once a day without flux adjustment

2、Keywords

Theme：Atmospheric circulation reconstruction,Paleoclimate data assimilation,Paleoclimate Reconstruction  
Discipline：Palaeoenvironment  
Places：Paleoclimate  
Time：40Ma BP

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：5.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：0.0 | - | east：180.0 |
| - | south：-90.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

Dataset of atmospheric factors for the late Pleistocene continental drift and modern topography numerical experiment. A Big Earth Data Platform for Three Poles, 2019

References to articles:

Liu, X., Dong, B., Yin, Z.Y., Smith, R.S., & Guo, Q. (2017). Continental drift and plateau uplift control origination and evolution of Asian and Australian monsoons. Scientific reports, 7, 40344.  
  
Liu, X.D., Dong, B.W., Yin, Z.Y., Smith, R.S. and Guo, Q.C. (2019). Continental Drift, Plateau Uplift, and the Evolutions of Monsoon and Arid Regions in Asia, Africa, and Australia during the Cenozoic, Sci. China: Earth Sci., 62, 1053-1075

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: LI Xinzhou  
unit:   
email: lixz@ieecas.cn