A Big Earth Data Platform for Three Poles

**Simulation forced by orbital variation during the Holocene (2019-2020)**

1、Description

The Holocene single orbit parameter change simulation results (2019-2020) data set uses the earth system model cesm model (horizontal resolution: about 2 ° for the atmosphere and land surface module and about 1 ° for the ocean and sea ice module) to carry out the Holocene transient simulation test considering the change of earth orbit parameters. The spatial resolution is 2 °; Spatial range: North: 50 ° n, South: 20 ° n, West: 60 ° e, East: 130 ° E; Regional scope: Eurasia; The time range is Holocene. The simulation results can be used to analyze the changes of westerly monsoon in Eurasia under the influence of individual orbital parameters in Holocene.

2、Keywords

Theme：Winds  
Discipline：Atmosphere  
Places：Qinghai-Tibet Plateau, Eurasia  
Time：2019-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：7628.8MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：50.0 | - |
| west：60.0 | - | east：130.0 |
| - | south：20.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHANG Ran. Simulation forced by orbital variation during the Holocene (2019-2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2716422021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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