A Big Earth Data Platform for Three Poles

**Distribution of the average wind speed in Central Asia (2017)**

1、Description

The data set is the average wind speed of the Central Asia including three temperate deserts, the Karakum, Kyzylkum and Muyunkun Deserts, and one of the world's largest arid zones. The data was obtained by GLDAS global three-hour assimilation data extraction calculation. The data is in tif format. The space and time resolutions are 0.25° and 3 hours respectively. The time is from 01, January, 2017 to 31, December, 2017. The data set uses the the Geodetic coordinate system. We can use the data to calculate the sand flux. It can be used for the investigation of the Desert oil and gas field, and oasis cities.

2、Keywords

Theme：Galactic System,Winds,wind speed  
Discipline：Atmosphere,Solar-Terrestrial Physics and Astronomy  
Places：Central Asian Countries  
Time：2017

3、Data details

1.Scale：500

2.Projection：WGS84

3.Filesize：109.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：56.0 | - |
| west：45.0 | - | east：90.0 |
| - | south：34.0 | - |

5、Time frame:2017-07-07 08:00:00+00:00--2018-07-06 19:59:59+00:00

6、Reference method

References to data:

GAO Xin. Distribution of the average wind speed in Central Asia (2017). A Big Earth Data Platform for Three Poles, 2019

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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