A Big Earth Data Platform for Three Poles

**Distribution of the average roughness in Central Asia (2017)**

1、Description

The data set is the distribution of the average roughness in Central Asia including three temperate deserts, the Karakum, Kyzylkum and Muyunkun Deserts, and one of the world's largest arid zones. This is the MODIS-NDVI data set calculated by using the median particle diameter and the vegetation coverage. The space and time resolutions are 500 m and 16 days, respectively. The time is from 01, January, 2017 to 18, December, 2017. The data set uses the the Geodetic coordinate system. It can be used for the investigation of the Desert oil and gas field, and oasis cities.

2、Keywords

Theme：Division,Rocks/Minerals,Disaster division,Tectonics
Discipline：Human-nature Relationship,Solid earth
Places：Central Asia
Time：2017

3、Data details

1.Scale：500

2.Projection：WGS84

3.Filesize：187.0MB

4.Data format：None

4、Space scope

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

5、Time frame:2017-01-12 00:00:00+00:00--2017-12-29 11:59:59+00:00

6、Reference method

References to data:

GAO Xin. Distribution of the average roughness 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

name: GAO Xin
unit: Xinjiang Institute of Ecology and Geography, CAS
email: gaoxin@ms.xjb.ac.cn