A Big Earth Data Platform for Three Poles

**Dataset of Normalized Difference Vegetation Index over Tibetan Plateau From 2001 to 2020**

1、Description

The Normalized Difference Vegetation Index (LST) dataset is original from MODIS products and preprocessed by format conversion, projection and resampling. The existing format is TIFF and projection is Krasovsky\_1940\_Albers. The data set has a spatial resolution of 1000 meters and provides one image per year during the period from 2001 to 2020. NDVI products are calculated by reflectance of red and near-infrared bands, which can be used to detect vegetation growth state and vegetation coverage. NDVI is ranged from -1 to 1, and the negative value means the land is covered by snow, water, etc. By contrast, positive value means vegetation coverage, and the coverage increases with the increase of NDVI.

2、Keywords

Theme：NDVI,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface  
Places：The Tibetan plateau  
Time：2001-2020

3、Data details

1.Scale：None

2.Projection：Albers

3.Filesize：215.04MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：73.5 | - | east：104.42 |
| - | south：26.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHU Juntao . Dataset of Normalized Difference Vegetation Index over Tibetan Plateau From 2001 to 2020. A Big Earth Data Platform for Three Poles, doi:10.5067/MODIS/MOD13A2.0062022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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