A Big Earth Data Platform for Three Poles

**Dataset for vegetation greenness and phenology during 2001-2020 in the Tibetan Plateau**

1、Description

This dataset is the growing season NDVI and vegetation phenology dataset of the Tibetan Plateau during during the past 20 years (2001-2020). The data source is MODIS (MOD13A2, Collection 6) products, and the spatial resolution is 1km. The dataset includes: the average NDVI during the growing season (May-September), the start date of the growing season (SOS), the end date of the growing season (EOS) and the duration of the growing season (DOS) for each year from 2001 to 2020. Two methods were used to extract vegetation phenology: dynamic threshold approach and double logistic function method. The data format is TIFF and the projection is Sphere\_ ARC\_ INFO\_ Lambert\_ Azimuthal\_ Equal\_ Area.

2、Keywords

Theme：Vegetation,MODIS,Plant phenology,Terrestrial Surface Remote Sensing,Grassland  
Discipline：Terrestrial Surface  
Places：Tibetan Plateau  
Time：2001-2020

3、Data details

1.Scale：None

2.Projection：Lambert\_Azimuthal\_Equal\_Area

3.Filesize：550.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：73.0 | - | east：104.0 |
| - | south：26.0 | - |

5、Time frame:2000-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

WANG Taihua, YANG Dawen. Dataset for vegetation greenness and phenology during 2001-2020 in the Tibetan Plateau. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2728382022

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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