A Big Earth Data Platform for Three Poles

**A dataset of net primary productivity of vegetation on the Qinghai-Tibet Plateau (2001-2020)**

1、Description

Vegetation primary productivity (Net Primary Production, NPP) dataset, source data from MODIS product (MOD17A3H), after data format conversion, projection, resampling and other preprocessing. The existing format is TIFF format, the projection is Krasovsky\_1940\_Albers projection, the unit is kg C/m2/year, and the spatial range is the entire Qinghai-Tibet Plateau. The spatial resolution of the data is 500 meters, the temporal resolution is every 5 years, and the time range is from 2001 to 2020. The NPP of the Qinghai-Tibet Plateau showed a trend of increasing gradually from northwest to southeast.

2、Keywords

Theme：Vegetation,Net primary productivity
Discipline：Terrestrial Surface
Places：The Tibetan plateau
Time：2001-2020

3、Data details

1.Scale：None

2.Projection：Albers

3.Filesize：87.7MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：41.0 | - |
| west：73.0 | - | east：106.0 |
| - | south：24.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHU Juntao . A dataset of net primary productivity of vegetation on the Qinghai-Tibet Plateau (2001-2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2725182022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: ZHU Juntao
unit: INSTITUTE OF GEOGRAPHIC SCIENCES AND NATURAL RESOURCES RESEARCH,CAS
email: zhujt@igsnrr.ac.cn