A Big Earth Data Platform for Three Poles

**Seasonal satellite remote sensing images (10m) of the Qinghai-Tibet Plateau (2016-2020)**

1、Description

The seasonal synthetic satellite remote sensing image collection of the Qinghai-Tibet Plateau is obtained by de-clouding processing of the Sentinel-2 TOA time series product. It contains 4 bands (visible and near infrared bands), and has a spatial resolution of about 10 meters. Each year is divided into 4 quarters from January to March, April to June, July to September, and October to December, and the cloud mask of each image is obtained by synthesizing the visible band, cirrus band, aerosol band and NIR band information of Sentinel-2 data. Finally, the cloud-free satellite remote sensing images of the Tibetan Plateau region are obtained by synthesizes all the masked images in a quarter according to the median principle.

2、Keywords

Theme：Reflectivity,Vegetation  
Discipline：Terrestrial Surface,Remote Sensing Technology  
Places：Qinghai-Tibet Plateau  
Time：2016-2020

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：7308574.72MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.66 | - |
| west：73.49 | - | east：105.63 |
| - | south：24.66 | - |

5、Time frame:2015-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

LONG Tengfei. Seasonal satellite remote sensing images (10m) of the Qinghai-Tibet Plateau (2016-2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2717332021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: LONG Tengfei  
unit:   
email: longtf@aircas.ac.cn