A Big Earth Data Platform for Three Poles

**MODIS Terra surface reflectance products over the Tibetan Plateau (2000-2019)**

1、Description

The dataset is the MODIS Terra surface reflectance products from 2000 to 2019 over the Tibetan Plateau,each period of data contains 13 files: 7 surface reflectence files, 3 observation angle files, 2 quality control files and 1 time description file. The dataset is download from USGS and its format is converted from .hdf to .tif by GDAL.The sur\_refl\_qc\_500m and sur\_refl\_state\_500m layers are the quality identification documents,which are stored in an efficient bit-encoded manner.The MODIS surface reflectance play an important role in forest, water resources, climate change.

2、Keywords

Theme：Desert,Land surface product,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface  
Places：Qinghai Tibet Plateau  
Time：2000-2019

3、Data details

1.Scale：None

2.Projection：Albers

3.Filesize：213156.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.4 | - |
| west：73.4 | - | east：106.7 |
| - | south：24.6 | - |

5、Time frame:1999-12-31 16:00:00+00:00--2019-12-30 16:00:00+00:00

6、Reference method

References to data:

GONG Chengjuan. MODIS Terra surface reflectance products over the Tibetan Plateau (2000-2019). A Big Earth Data Platform for Three Poles, 2021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: GONG Chengjuan  
unit:   
email: gongcj@aircas.ac.cn