A Big Earth Data Platform for Three Poles

**Spot vegetation NDVI dataset for Sanjiangyuan (1998-2013)**

1、Description

The data set is extracted from the NDVI data of long time series acquired by VEGETATION sensor on SPOT satellite. The time range of the data set is from May 1998 to 2013. In order to remove the noise in NDVI data, the maximum synthesis is carried out. A NDVI image is synthesized every 10 days. The data set is cut out from the global data set, so as to carry out the research and analysis of the source areas of the three rivers separately.
The data format of this data set is geotiff, spatial resolution is 1 km, temporal resolution is 10 days, time range: May 1998 to December 2013.

2、Keywords

Theme：SPOT, Vegetation, NDVI, 植被指数
Discipline：Hydrological Science, Geographic Sciences, Atmospheric science
Places：Tibetan Plateau , Three-River-Source National Park, Three Rivers Source
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：2539.52MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.38 | - |
| west：89.15 | - | east：102.58 |
| - | south：30.79 | - |

5、Time frame:1998-05-15 16:00:00+00:00--2014-01-14 16:00:00+00:00

6、Reference method

References to data:

Image Processing Centre for SPOT-VGT. Spot vegetation NDVI dataset for Sanjiangyuan (1998-2013). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2712252018

References to articles:

Deronde, B., Debruyn, W., Gontier, E., Goor, E., Jacobs, T., Verbeiren, S., & Vereecken, J. (2014). 15 years of processing and dissemination of SPOT-VEGETATION products. International Journal of Remote Sensing, 35(7), 2402–2420.

7、Supporting project information

Ecological Data Center of Sanjiangyuan National Park

8、Data resource provider

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