A Big Earth Data Platform for Three Poles

**Night light data on the Tibetan Plateau (2000, 2005, 2010)**

1、Description

The data include the night light data of Tibetan Plateau with a spatial resolution of 1km\*1km, a temporal resolution of 5 years and a time coverage of 2000, 2005 and 2010.The data came from Version 4 dmsp-ols products. DMSP/OLS sensors took a unique approach to collect radiation signals generated by night lights and firelight.DMSP/OLS sensors, working at night, can detect low-intensity lights emitted by urban lights, even small-scale residential areas and traffic flows, and distinguish them from dark rural backgrounds.Therefore, DMSP/OLS nighttime light images can be used as a representation of human activities and become a good data source for human activity monitoring and research.

2、Keywords

Theme：Night light,Human-nature Remote Sensing  
Discipline：Human-nature Relationship  
Places：Tibetan Plateau  
Time：2010, 2005, 2000

3、Data details

1.Scale：None

2.Projection：

3.Filesize：196.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.02 | - |
| west：73.44 | - | east：104.38 |
| - | south：25.99 | - |

5、Time frame:None--None

6、Reference method

References to data:

FANG Huajun. Night light data on the Tibetan Plateau (2000, 2005, 2010). A Big Earth Data Platform for Three Poles, 2019

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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