Upper Yangtze River Scientific Data Center

**500m NPP-VIIRS Night Light Data Set in the Chengdu-Chongqing economic circle, China (2000-2020)**

1、Description

The night light remote sensing data has been widely used in research work such as the monitoring of urbanization process, but because the two commonly used night light remote sensing data (DMSP-OLS and NPP-VIIRS) are incomparable, the available time series length of night light data is limited. This data set is produced based on cross sensor (DMSP-OLS and NPP-VIIRS) night light data correction scheme of self encoder. The accuracy verification work carried out at different scales in different areas proves that the new nighttime light data set has the quality similar to that of NPP-VIIRS nighttime light data, and can clearly reflect the details of urban interior and the changes in time sequence.

2、Keywords

Theme：  
Discipline：Remote Sensing Technology  
Places：the Chengdu-Chongqing economic circle  
Time：2000-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：4.51MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.0 | - |
| west：101.0 | - | east：109.0 |
| - | south：27.0 | - |

5、Time frame:1999-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

CHEN Zuoqi . 500m NPP-VIIRS Night Light Data Set in the Chengdu-Chongqing economic circle, China (2000-2020). Upper Yangtze River Scientific Data Center, doi:10.7910/DVN/YGIVCD2022

References to articles:

7、Supporting project information

8、Data resource provider

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