Upper Yangtze River Scientific Data Center

**LPDR Version 2 Vegetation Optical Depth Data Set in Southwest China (2002-2021)**

1、Description

LPDR uses τ-ω The model calculates VOD from TB obtained by Advanced Microwave Scanning Radiometer Earth Observation System (AMSR-E) instrument on NASA Aqua satellite and Advanced Microwave Scanning Radiometer 2 (AMSR2) sensor on JAXA GCOM-W1 satellite in X-band (10.7 GHz) under H and V polarization. This data provides long-term (June 2002 to December 2021) global key environmental observation records with a spatial resolution of 25  km, the time resolution is 1 day, and the data format is EASE\_ Grid。

2、Keywords

Theme：Vegetation,Plant phenology,Vegetation dynamics,vegetation optical depth,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface  
Places：Southwest region, 1, 1  
Time：2002-2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：122.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.5 | - |
| west：112.5 | - | east：97.0 |
| - | south：20.5 | - |

5、Time frame:2002-06-30 16:00:00+00:00--2021-12-30 16:00:00+00:00

6、Reference method

References to data:

A. JONES Lucas , S. KIMBALL John , DU Jinyang . LPDR Version 2 Vegetation Optical Depth Data Set in Southwest China (2002-2021). Upper Yangtze River Scientific Data Center, doi:http://dx.doi.org/10.5067/JIKQZ6WO5C5M2022

References to articles:

Du J, Jones L A, Kimball J S. Daily Global Land Parameters Derived from AMSR-E and AMSR2, Version 2[J]. 2017.

7、Supporting project information

8、Data resource provider

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