Upper Yangtze River Scientific Data Center

**VODCA Vegetation Optical Depth (VOD) Data Set Data Set in Southwest China (1987-2017)**

1、Description

VODCA VOD combines the VOD data sets of multiple sensors (SSMs/ITMI, AMSR-E, Windsat and AMSR-2) to supplement existing products by covering the long-term VOD assessment from 1987 to 2017. Before aggregation, these datasets are re scaled to AMSR-E using LPRM to eliminate system differences between them. This product is the ku band (~19 GHz, 1987 - 2017) product. The spatial resolution is 0.25 °, the time resolution is 1 day, and the data format is. tif.

2、Keywords

Theme：Terrestrial Surface Remote Sensing,Vegetation optical depth (VOD)  
Discipline：Terrestrial Surface  
Places：Yangtze  
Time：1987-2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：185.0MB

4.Data format：None

4、Space scope

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

5、Time frame:1987-07-08 15:00:00+00:00--2017-12-07 03:59:59+00:00

6、Reference method

References to data:

MOESINGER Leander . VODCA Vegetation Optical Depth (VOD) Data Set Data Set in Southwest China (1987-2017). Upper Yangtze River Scientific Data Center, doi:https://doi.org/10.5194/essd-12-177-20202022

References to articles:

Moesinger, L.; Dorigo, W.; De Jeu, R.; Van Der Schalie, R.; Scanlon, T.; Teubner, I.; Forkel, M. The global long-term microwave Vegetation Optical Depth Climate Archive (VODCA). Earth Syst. Sci. Data 2020, 12, 177–196.

7、Supporting project information

8、Data resource provider

name: MOESINGER Leander   
unit: Technische Universität Wien  
email: leander.moesinger@geo.tuwien.ac.at