Upper Yangtze River Scientific Data Center

**GLASS 250m LAI products in Southwest China (2001-2020)**

1、Description

Leaf Area Index (LAI) is a basic variable reflecting vegetation growth in the terrestrial ecosystem, and plays an important role in carbon cycle, climate model, terrestrial ecosystem simulation and vegetation change monitoring. At present, there are many medium resolution global LAI products in the world, including MODIS, GEOV, GLASS LAI, etc., but they have limitations such as time and space discontinuity, product time span, accuracy, etc. Based on MODIS surface reflectance data, Dr. Ma Han of Professor Liang Shunlin's team generated GLASS Version 6 (V6) 250m leaf area index. This product overcomes the problems of low LAI quality and spatiotemporal discontinuity in long-term cloud or snow covered areas. It is a global LAI product with the highest spatial resolution and long time series.

2、Keywords

Theme：Remote Sensing Technology,Terrestrial Surface Remote Sensing
Discipline：Terrestrial Surface,Remote Sensing Technology
Places：Southwest China
Time：2001-01-01 to 2020-12-31

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：24985.0MB

4.Data format：None

4、Space scope

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

5、Time frame:2000-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

LIANG Shunlin . GLASS 250m LAI products in Southwest China (2001-2020). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

name: LIANG Shunlin
unit: Department of Geographical Sciences, University of Maryland
email: sliang@umd.edu