Upper Yangtze River Scientific Data Center

**Long-term series of 1km Land Aerosol Optical Depth (AOD) dataset in the upper reaches of the Yangtze River (2000-2022)**

1、Description

The land aerosol optical depth dataset in the upper reaches of the Yangtze River is a grid level 2 product MCD19A2 based on the Multi-angle Implementation of Atmospheric Correction (MAIAC) of MODIS Terra and Aqua. The spatial resolution is 1km, and the temporal resolution is 1 day; The time range is from February 28, 2000, to September 6, 2022. The data is in TIF format. The first seven digits of its name are "UYR.AOD." followed by a date identifier of year+day. For example, "2022.001" means the first day of 2022, and so on. The coordinate system of data is GCS\_ Unknown\_ datum\_ based\_ upon\_ the\_ custom\_ spheroid。

2、Keywords

Theme：Aerosol Optical Depth,Remote Sensing Technology  
Discipline：Remote Sensing Technology  
Places：Southwest of China  
Time：2000-2022

3、Data details

1.Scale：None

2.Projection：

3.Filesize：4259.84MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：36.5 | - |
| west：89.0 | - | east：112.0 |
| - | south：24.0 | - |

5、Time frame:2000-02-27 16:00:00+00:00--2022-09-05 16:00:00+00:00

6、Reference method

References to data:

LYAPUSTIN Alexei . Long-term series of 1km Land Aerosol Optical Depth (AOD) dataset in the upper reaches of the Yangtze River (2000-2022). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

name: LYAPUSTIN Alexei   
unit: Land Processes Distributed Active Archive Center (LP DAAC)  
email: Ipdaac@usgs.gov