Upper Yangtze River Scientific Data Center

**500m and 1km MOD09GA061 Surface Reflectivity Data Set in Southwest China (2000-2022)**

1、Description

MODIS terra surface reflectance daily global products are the most commonly used data in the process of calculating the earth's surface albedo. They are divided into MOD09GA and MYD09GA, which correspond to terra and aqua satellites respectively. The time resolution of MOD/MYD09GA products is days, the geographical resolution is 1km, and the spatial resolution of reflectivity is 500m. The 500m reflectance dataset of each image provides 1-7 band reflectance, quality assessment level, observation range, observation number, 250m scanning information, etc. The 1km geographic information dataset provides observation times, quality assessment grade, sensor azimuth zenith angle, solar azimuth altitude angle, orbit pointer and other information.

2、Keywords

Theme：Land Surface Parameter,Terra Surface Reflectance  
Discipline：Terrestrial Surface  
Places：Southwest region  
Time：2000-2022

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：768000.0MB

4.Data format：None

4、Space scope

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

5、Time frame:2022-09-08 16:00:00+00:00--2022-09-09 16:00:00+00:00

6、Reference method

References to data:

NASA NASA . 500m and 1km MOD09GA061 Surface Reflectivity Data Set in Southwest China (2000-2022). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

name: NASA NASA   
unit: NASA  
email: gsfc-dl-help-disc@mail.nasa.gov