Upper Yangtze River Scientific Data Center

**Outgoing long wave radiation product data set based on FY-4B AGRI satellite (2022.6.1 to present)**

1、Description

The data set includes: real-time products of atmospheric top outgoing long wave radiation and real-time products of outgoing long wave radiation. Satellite OLR products are widely used in the evaluation of climate model output parameters, i.e. model performance. In the Chinese meteorological community, OLR data are used to monitor the summer monsoon over the South China Sea and determine the location of the Western Pacific subtropical high. International OLR data are used for monitoring and analysis of ITCZ and ENSO. It provides input and verification for weather, climate model and land surface model, and provides surface solar radiation distribution information for solar energy industry and forest grassland fire monitoring and early warning. Satellite ULR products are used in climate models, land surface models, ocean atmospheric general circulation models, as input parameters or model performance evaluation, and also for earthquake diagnosis.

2、Keywords

Theme：Solar radiation,Remote Sensing Technology  
Discipline：Remote Sensing Technology  
Places：Southwest China  
Time：2022.6.1-present

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：69611.52MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：50.0 | - |
| west：83.0 | - | east：180.0 |
| - | south：-50.0 | - |

5、Time frame:2022-05-31 16:00:00+00:00--2022-09-27 03:59:59+00:00

6、Reference method

References to data:

WANG Zhiwei . Outgoing long wave radiation product data set based on FY-4B AGRI satellite (2022.6.1 to present). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

name: WANG Zhiwei   
unit: National Climate Centre, National Meteorological Centre, Provincial and Local Meteorological Bureaux  
email: wangzw@cma.gov.cn