Upper Yangtze River Scientific Data Center

**MERRA-2 Surface Evapotranspiration Data Set in Southwest China (1980-2022)**

1、Description

MERRA-2 is NASA's atmospheric reanalysis since 1980. It replaces the original MERRA reanalysis using the upgraded Goddard Earth Observation System model, version 5 (GEOS-5) data assimilation system. MERRA-2 includes the global statistical interpolation (GSI) analysis scheme. The time resolution of the product is one hour, the spatial resolution is 0.5 ° x 0.625 °, and the data format is netCDF. The time span is from January 1, 1980 to September 1, 2022. This data set provides scientific basis for rational allocation of regional water resources.

2、Keywords

Theme：Latent heat flux,Evapotranspiration,Remote Sensing Technology
Discipline：Remote Sensing Technology
Places：Southwest China
Time：1980-2022

3、Data details

1.Scale：None

2.Projection：

3.Filesize：6912.0MB

4.Data format：None

4、Space scope

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

5、Time frame:1979-12-31 16:00:00+00:00--2022-08-31 16:00:00+00:00

6、Reference method

References to data:

NASA NASA . MERRA-2 Surface Evapotranspiration Data Set in Southwest China (1980-2022). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

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