Upper Yangtze River Scientific Data Center

**Daily GPCP Precipitation Data Set in Southwest China and the Upper Yangtze River (1996-2022)**

1、Description

The Global Precipitation Climate Data Set (GPCP) is produced by NASA Goddard Space Flight Center. The data combines the special sensor microwave imager (SSM/I) project and scattering algorithm, GOES precipitation index (GPI), output long wave precipitation index (OPI), rain gauge and rainfall estimation of TOVS detector on NOAA polar orbiting satellite. GPCP daily precipitation data set provides daily precipitation accumulation on the global longitude and latitude grid of 1 degree, which has lasted from October 1996 to now (with some processing delays). It depends on the monthly total rainfall of GPCP monthly products, and mainly uses geostationary infrared satellite images to determine the daily rainfall rate. The spatial resolution of the data is 1 °, and the temporal resolution is day.

2、Keywords

Theme：Precipitation,Hydrology  
Discipline：Terrestrial Surface  
Places：the upper reaches of Yangtze River  
Time：1996.10.01-2022.06.30

3、Data details

1.Scale：None

2.Projection：

3.Filesize：14.3MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：36.5 | - |
| west：89.0 | - | east：112.5 |
| - | south：20.5 | - |

5、Time frame:1996-09-30 16:00:00+00:00--2022-06-29 16:00:00+00:00

6、Reference method

References to data:

HUFFMAN George. J. . Daily GPCP Precipitation Data Set in Southwest China and the Upper Yangtze River (1996-2022). Upper Yangtze River Scientific Data Center, doi:10.7289/V5RX998Z2022

References to articles:

7、Supporting project information

8、Data resource provider

name: HUFFMAN George. J.   
unit: NASA  
email: huffman@agnes.gsfc.nasa.gov