Upper Yangtze River Scientific Data Center

**WorldClim2.1 Precipitation Data Set on a Monthly Scale in Southwest China and the Upper Yangtze River (1960-2018)**

1、Description

The WorldClim 2.1 monthly precipitation dataset (1960-2018) is provided by WorldClim, a high spatial resolution all-weather and climate data database. The precipitation is the cumulative amount of each month, in mm. The time coverage is from 1960 to 2018, with a spatial resolution of about 21 km and a temporal resolution of months. These data were downgraded from CRU-TS-4.03 by the Climate Research Group of the University of East Anglia, and were corrected using WorldClim 2.1. CRU-TS-4.03 is the latest grid climate data set constructed from the monthly observation data of global terrestrial meteorological stations.

2、Keywords

Theme：Precipitation,Hydrology
Discipline：Terrestrial Surface
Places：the upper reaches of Yangtze River
Time：1960-2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：459.0MB

4.Data format：None

4、Space scope

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

5、Time frame:1959-12-31 16:00:00+00:00--2018-12-30 16:00:00+00:00

6、Reference method

References to data:

JONES Philip . WorldClim2.1 Precipitation Data Set on a Monthly Scale in Southwest China and the Upper Yangtze River (1960-2018). Upper Yangtze River Scientific Data Center, doi:doi:10.1002/joc.37112022

References to articles:

Fick, S.E. and R.J. Hijmans, 2017. WorldClim 2: new 1km spatial resolution climate surfaces for global land areas. International Journal of Climatology 37 (12): 4302-4315.

Harris, I., P.D. Jones, T.J. Osborn, and D.H. Lister (2014), Updated high-resolution grids of monthly climatic observations - the CRU TS3.10 Dataset. International Journal of Climatology 34, 623-642. doi:10.1002/joc.3711

7、Supporting project information

8、Data resource provider

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