A Big Earth Data Platform for Three Poles

**Data set of spatial and temporal distribution of water resources in Yarlung Zangbo River from 1998 to 2017**

1、Description

This data is a 5km monthly hydrological data set, including grid runoff and evaporation (if evaporation is less than 0, it means condensation; if runoff is less than 0, it means precipitation is less than evaporation). This data is a 5km monthly hydrological data set, including grid runoff and evaporation (if evaporation is less than 0, it means condensation; if runoff is less than 0, it means precipitation is less than evaporation).

2、Keywords

Theme：Runoff,Precipitation,Evapotranspiration,Temperature,Surface Water,Snow,Ground temperature,Precipitation amount,glacier inventory,Snowpack,Hydrology,Glacier(Ice Sheet),Frozen Ground,Air temperature,Runoff,Snow  
Discipline：Atmosphere,Terrestrial Surface,Cryosphere  
Places：Yarlung Zangbo River  
Time：1998-2017

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：151.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.0 | - |
| west：81.0 | - | east：98.0 |
| - | south：27.0 | - |

5、Time frame:1998-01-01 00:00:00+00:00--2017-12-31 00:00:00+00:00

6、Reference method

References to data:

WANG Lei. Data set of spatial and temporal distribution of water resources in Yarlung Zangbo River from 1998 to 2017. A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2709072019

References to articles:

Wang L, Yao T, Chai C, et al. TP-River: Monitoring and quantifying total river runoff from the Third Pole[J]. Bulletin of the American Meteorological Society, 2021: 1-45.

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）"Spatial–temporal changes in the polar water and ecosystem" subproject (subproject No: XDA19070301)

8、Data resource provider

name: WANG Lei  
unit: Institute of Tibetan Plateau Research,Chinese Academy of Sciences  
email: wanglei@itpcas.ac.cn