A Big Earth Data Platform for Three Poles

**Data set of spatial and temporal distribution of water resources in Indus 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), simulated and output through the WEB-DHM distributed hydrological model of the Indus River basin, with temperature, precipitation, barometric pressure, etc. as input data.

2、Keywords

Theme：Lysimeter,Precipitation,Temperature,Surface Water,Land Use/Land Cover,Snow,Hydrology,Glacier(Ice Sheet),Frozen Ground  
Discipline：Atmosphere,Terrestrial Surface,Cryosphere  
Places：Indus  
Time：1998-2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：24.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.65 | - |
| west：69.36 | - | east：86.26 |
| - | south：40.34 | - |

5、Time frame:1997-12-31 16:00:00+00:00--2017-12-30 16:00:00+00:00

6、Reference method

References to data:

LIU Hu , WANG Lei. Data set of spatial and temporal distribution of water resources in Indus from 1998 to 2017. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2728892022

References to articles:

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  
  
name: LIU Hu   
unit: Institute of Tibetan Plateau Research, Chinese Academy of Sciences  
email: liuhu2016@itpcas.ac.cn