A Big Earth Data Platform for Three Poles

**UIB Subbasins(Hunza,Astore,Gilgit,Shyok,Shigar,Kharmong) Discharge Data (1980-2013)**

1、Description

HBV hydrological model is one of the representatives of semi empirical hydrological model, which is widely used in watershed runoff simulation. Based on HBV model, the daily resolution runoff of six sub basins in the upper Indus River is simulated: 1) the daily resolution runoff data of 1980-2013 is calculated through the latest driving data; 2) HBV semi empirical hydrological model is more suitable for the simulation of alpine cold region ; 3) it is convenient to compare with the measured runoff data, so as to evaluate the applicability of the model and the reliability of the simulation results, make reasonable hydrological forecast in the downstream and prevent hydrological disasters. It plays an important role in the study of hydrological laws and practical production problems.

2、Keywords

Theme：Hydrology  
Discipline：Terrestrial Surface  
Places：Daily Discharge Data, HBV Hydrological Model, Indus River Basin  
Time：1980-2013

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：1.83MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：37.0 | - |
| west：72.0 | - | east：82.0 |
| - | south：31.0 | - |

5、Time frame:1980-01-06 16:00:00+00:00--2014-01-06 03:59:59+00:00

6、Reference method

References to data:

ZHANG Yinsheng. UIB Subbasins(Hunza,Astore,Gilgit,Shyok,Shigar,Kharmong) Discharge Data (1980-2013). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2704362020

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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