A Big Earth Data Platform for Three Poles

**Hydrological dataset of China alpine region surface process and environmental observation network (2018)**

1、Description

Based on the long-term observation data of each field station in the alpine network and overseas stations in the pan third polar region, a series of data sets of meteorological, hydrological and ecological elements in the pan third polar region are established; the inversion of data products such as meteorological elements, lake water quantity and quality, aboveground vegetation biomass, glacial and frozen soil changes are completed through enhanced observation and sample site verification in key regions; based on the IOT Network technology, the development and establishment of multi station network meteorological, hydrological, ecological data management platform, to achieve real-time access to network data and remote control and sharing.
In 2018, the hydrological data set of surface process and environmental observation network in China's alpine region mainly collects the daily measured hydrological (runoff, water level, water temperature, etc.) data of Qilianshan station, Southeast Tibet station, Zhufeng station, Yulong Xueshan station, Namucuo station, Ali station, mostag and other seven stations.

2、Keywords

Theme：Surface Water,Discharge/Flow,Rivers/Streams
Discipline：Terrestrial Surface
Places：Tibetan Plateau
Time：2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：2.36MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：43.0 | - |
| west：75.0 | - | east：103.0 |
| - | south：27.0 | - |

5、Time frame:2018-07-19 16:00:00+00:00--2019-07-18 16:00:00+00:00

6、Reference method

References to data:

ZHU Liping. Hydrological dataset of China alpine region surface process and environmental observation network (2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Hydro.tpdc.2700262019

References to articles:

彭萍, 朱立平. (2017). 基于野外站网络的青藏高原地表过程观测研究, 科技导报, 35(6), 97-102.

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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