A Big Earth Data Platform for Three Poles

**Statistical data of water consumption in Qinghai Tibet Plateau from 2004 to 2016**

1、Description

1. The data content includes: year, month, day, hour, longitude, latitude, altitude, meridional (UQ) and latitudinal (VQ) components of water vapor flux;  
2. Data source and processing method: GPS meteorological sounding data of voyages in the eastern Indian Ocean, and calculate water vapor flux through relative humidity, wind field, air pressure and altitude;  
3. Data quality description: vertical continuous observation with 1 second vertical resolution;  
4. Data application achievements and prospects: Study on the changes of water vapor transport in the tropical Indian Ocean;

2、Keywords

Theme：Surface Water,Water Resources,Water withdrawal,Irrigation  
Discipline：Terrestrial Surface,Human-nature Relationship  
Places：Qinghai-Tibet Plateau, Qinghai, Tibet  
Time：2004-2016

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.068MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.46 | - |
| west：73.18 | - | east：104.46 |
| - | south：26.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

LIU Zhaofei, YAO Zhijun. Statistical data of water consumption in Qinghai Tibet Plateau from 2004 to 2016. A Big Earth Data Platform for Three Poles, 2021

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program  
Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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