A Big Earth Data Platform for Three Poles

**Basic meteorological data of Yigong (2018-2019)**

1、Description

This data is the data of the automatic weather station (AWS, Campbell company) set up in Yigong Zangbu basin by the Southeast Tibet alpine environment comprehensive observation and research station of Chinese Academy of Sciences in 2018. The geographic coordinates are 30.1741 n, 94.9334 e, and the altitude is 2282m. The underlying surface is grassland.
The data include daily arithmetic mean data of air temperature (℃), relative humidity (%), wind speed (M / s), water vapor pressure (kPa) and air pressure (MB) and daily accumulated value of precipitation. The original data is an average value recorded in 10 minutes. The temperature and humidity are measured by hmp155a temperature and humidity probe. The rainfall instrument is tb4, the atmospheric pressure sensor is ptb210, and the wind speed sensor is 05103. These probes are 2 m above the ground. Data quality: the quality of the original data is better, less missing. The data station is a meteorological station in the lower altitude of the Qinghai Tibet Plateau, which will be updated from time to time in the future. It can be used by researchers studying climate, hydrology, glaciers, etc.

2、Keywords

Theme：Precipitation,Temperature,Surface Water,River water,Visibility
Discipline：Atmosphere,Terrestrial Surface
Places：Yigongzangbu, Southeast Tibet
Time：2018-2019

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：0.057MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.0 | - |
| west：94.9 | - | east：95.0 |
| - | south：30.0 | - |

5、Time frame:2018-08-31 16:00:00+00:00--2019-12-30 16:00:00+00:00

6、Reference method

References to data:

Luo Lun. Basic meteorological data of Yigong (2018-2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2711572021

References to articles:

罗伦, 旦增, 朱立平, 等. (2021). 藏东南色季拉山气温和降水垂直梯度变化. 高原气象, DOI: 10. 7522/j. issn. 1000-0534. 2019. 00123.

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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