A Big Earth Data Platform for Three Poles

**Meteorological observation data at Maqu grassland site from 2017 to 2020**

1、Description

This data set is the conventional meteorological observation data of Maqu grassland observation site in the source region of the Yellow River from 2017 to 2020, obtained by using Kipp&Zonen CNR4, Vaisala HMP155A, PTB110 and other instruments, with a time resolution of half an hour. Mainly include wind speed, wind direction, temperature, relative humidity, air pressure, downward short-wave radiation, downward long-wave radiation, precipitation.

2、Keywords

Theme：Radiation,Earth SurFace Processes,Winds,Humidity/Dryness,Grassland
Discipline：Atmosphere,Terrestrial Surface
Places：Source Region of the Yellow River, Tibetan Plateau, Maqu
Time：2020, 2017, 2019, 2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：4.6MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.864 | - |
| west：102.1458 | - | east：102.1458 |
| - | south：33.864 | - |

5、Time frame:2016-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

MENG Xianhong, LI Zhaoguo. Meteorological observation data at Maqu grassland site from 2017 to 2020. A Big Earth Data Platform for Three Poles, doi:10.11888/Atmos.tpdc.2728562022

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program
CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）
Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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