A Big Earth Data Platform for Three Poles

**Meteorological data set of Ali desert environment comprehensive observation and research station (2017-2018)**

1、Description

The dataset records the Ali Desert Environment Integrated Observation and Research Station, the meteorological dataset for 2017-2018, and the time resolution of the data is days. It includes the following basic meteorological parameters: temperature (1.5 meters from the ground, once every half hour, unit: Celsius), relative humidity (1.5 meters from the ground, half an hour, unit: %), wind speed (1.5 meters from the ground, half an hour) , unit: m / s), wind direction (1.5 meters from the ground, once every half hour, unit: degrees), air pressure (1.5 meters from the ground, once every half hour, unit: hPa), precipitation (24 hours, unit: mm ), water vapor pressure (unit: Kpa), evaporation (unit: mm), downward short-wave radiation (unit: W/m2), upward short-wave radiation (unit: W/m2), downward long-wave radiation (unit: W/m2) ), upward long-wave radiation (unit: W/m2), net radiation (unit: W/m2), surface albedo (unit: %).
Data collection location: Observation Field of Ali Desert Environment Comprehensive Observation and Research Station, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Longitude: 79°42'5"; Latitude: 33°23'30"; Altitude: 4264 meters.

2、Keywords

Theme：Precipitation,Temperature,Visibility,Humidity/Dryness
Discipline：Atmosphere
Places：Ngari
Time：2017-2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：221.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：33.0 | - |
| west：79.0 | - | east：79.0 |
| - | south：33.0 | - |

5、Time frame:2017-01-11 00:00:00+00:00--2019-01-10 00:00:00+00:00

6、Reference method

References to data:

ZHAO Huabiao. Meteorological data set of Ali desert environment comprehensive observation and research station (2017-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2703142019

References to articles:

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider

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