A Big Earth Data Platform for Three Poles

**Meteorological observation data of Everest integrated atmospheric and environmental observation research station (2019-2020）)**

1、Description

This meteorological data is the basic meteorological data of air temperature, relative humidity, wind speed, precipitation, air pressure, radiation, soil temperature and humidity observed in the observation site (86.56 ° e, 28.21 ° n, 4276m) of the comprehensive observation and research station of atmosphere and environment of Qomolangma, Chinese Academy of Sciences from 2019 to 2020. Precipitation is the daily cumulative value.
All data are observed and collected in strict accordance with the instrument operation specifications, and some obvious error data are eliminated when processing and generating data
The data can be used by students and scientific researchers engaged in meteorology, atmospheric environment or ecology (Note: when using, it must be indicated in the article that the data comes from Qomolangma station for atmospheric and environmental observation and research, Chinese Academy of Sciences (QOMS / CAS))

2、Keywords

Theme：Maximum/Minimum temperature,2m temperature,Lysimeter,Precipitation,Radiation,Temperature,Self-made lysimeter,Arid Index,Winds,Rain gauge,Wind direction,Atmospheric pressure measurements,Shortwave radiation,Humidity/Dryness,Pressure,wind speed
Discipline：Atmosphere
Places：Rongbuk catchment at Mt. Everest
Time：2019-2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.7MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：28.21 | - |
| west：86.56 | - | east：86.56 |
| - | south：28.21 | - |

5、Time frame:2018-12-31 16:00:00+00:00--2021-12-30 16:00:00+00:00

6、Reference method

References to data:

XI Zhenhua . Meteorological observation data of Everest integrated atmospheric and environmental observation research station (2019-2020）). A Big Earth Data Platform for Three Poles, doi:10.11888/Atmos.tpdc.2719552022

References to articles:

7、Supporting project information

8、Data resource provider

name: XI Zhenhua
unit: Institute Tibetan Plateau Reaearch，Chinese Academy of Sciences
email: xizhenhua@itpcas.ac.cn