Upper Yangtze River Scientific Data Center

**2021 Observational data of Qingmuguan Automatic Weather Station of Jinfo National Station**

1、Description

This data is from the observation data of the automatic weather station at the Jiangjiaquan underground river outlet observation site (E106.2922861 °; N29.68314 °, 329m above sea level) in the Qingmuguan basin of the National Field Scientific Observation and Research Station of the Jinfo Mountain Karst Ecosystem in Chongqing from January 1 to December 31, 2021. The air temperature and relative humidity sensors of Qingmuguan Automatic Weather Station are erected at 2m and 10m respectively, facing due north; The barometer is installed at 10m; The tipping bucket rain gauge is installed at 10m; The wind speed and direction sensors are set at 2m and 10m respectively; The four component radiometer is installed at 5m, facing south; Photosynthetically active radiation sensor is installed at 5m and 10m, facing south; The soil temperature probe is buried in the ground at 0cm, 2cm, 5cm, 10cm, 20cm, 40cm, 60cm, and in the south 2m away from the meteorological tower; The soil moisture probe shall be buried at 2cm, 5cm, 10cm, 20cm, 40cm, 60cm and 80cm underground, in the south of the meteorological tower 2m away; The soil heat flux plates (3 pieces) are successively buried at 5cm, 10cm and 20cm below the ground, just south of the meteorological tower 2m away; Soil average temperature probe (1), buried 5 cm underground, is located in the south of the meteorological tower 2 m. 144 groups of data are observed every day (every 10min). If there is any missing data, it is indicated by NAN.

2、Keywords

Theme：Soil moisture dataset,Winds,Humidity/Dryness,wind speed  
Discipline：Atmosphere  
Places：Qingmuguan ,Jinfo Mountain National Station  
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：11.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.68314 | - |
| west：106.2922861 | - | east：106.2922861 |
| - | south：29.68314 | - |

5、Time frame:2020-12-31 16:00:00+00:00--2021-12-30 16:00:00+00:00

6、Reference method

References to data:

KONG Debing . 2021 Observational data of Qingmuguan Automatic Weather Station of Jinfo National Station. Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

name: KONG Debing   
unit: Southwest University  
email: kongdebing@swu.edu.cn