Upper Yangtze River Scientific Data Center

**Observation data of Youyang Longtan Automatic Weather Station of Jinfo National Station (2021)**

1、Description

This data is from the automatic weather station observation data of Youyang Longtan Zanthoxylum bungeanum base observation site (E108 ° 57 ′ 32.2 ″; N29 ° 1 ′ 0 ″, 378m above sea level) at Chongqing Jinfo Mountain Karst Ecosystem National Field Scientific Observation and Research Station from July 1 to December 31, 2021. The air temperature and relative humidity sensors of the automatic weather station are erected at 3m and 10m respectively, facing north; The barometer is installed at 1.5m; The tipping bucket rain gauge is installed at 10m; The wind speed and direction sensors are set at 3m and 10m respectively; The four component radiometer is installed at 3m, facing south; Photosynthetically active radiation sensor is installed at 3m and 10m, facing south; The soil temperature probes are buried 10cm, 20cm, 40cm, 60cm, 80cm, 120cm and 160cm underground, and are located in the south of the meteorological tower 2m away; 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; The average soil temperature probes (3) are buried 5, 10 and 20 cm underground, and are 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：Ganxizhen
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：8.7MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.00302 | - |
| west：108.95895 | - | east：108.95895 |
| - | south：29.00302 | - |

5、Time frame:2021-06-30 16:00:00+00:00--2021-12-30 16:00:00+00:00

6、Reference method

References to data:

KONG Debing . Observation data of Youyang Longtan Automatic Weather Station of Jinfo National Station (2021). Upper Yangtze River Scientific Data Center, 2022

References to articles:

7、Supporting project information

8、Data resource provider

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