Upper Yangtze River Scientific Data Center

**Observation Data of Automatic Meteorological Station in the Large Sample Plot of Laobajing Primary Forest of Jinfoshan National Station (2021)**

1、Description

This data is from the observation data of the automatic weather station at the Laobajing hillside primary forest observation site (E107.1390221 °; N29.02 °, 1525m above sea level) of the National Field Scientific Observation and Research Station of Jinfo Mountain Karst Ecosystem in Chongqing from January 14 to December 31, 2021. The air temperature and relative humidity sensors of Lanbajing Automatic Weather Station are erected at 4m and 24m respectively, facing due north; The barometer is installed at 15m; The tipping bucket rain gauge is installed at 24m; The wind speed and direction sensors are respectively installed at 4m and 24m; 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 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 soil average temperature probes (3) are buried at 5cm, 10cm and 20cm underground in turn, and are located in the south of the meteorological tower 2m away. 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：Lanbajing (Half hillside), Jinfo Mountain National Station  
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：15.2MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.02 | - |
| west：107.1390221 | - | east：107.1390221 |
| - | south：29.02 | - |

5、Time frame:2021-01-13 16:00:00+00:00--2021-12-30 16:00:00+00:00

6、Reference method

References to data:

KONG Debing . Observation Data of Automatic Meteorological Station in the Large Sample Plot of Laobajing Primary Forest of Jinfoshan 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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