Upper Yangtze River Scientific Data Center

**Observation data of Hutou Village Automatic Weather Station of Jinfo National Station (2022)**

1、Description

This data is from the observation data of automatic weather station at Hutou Village Farmland Observation Field (E106.3192621 °; N29.76271 °, 515m above sea level) of Chongqing Jinfo Mountain Karst Ecosystem National Field Scientific Observation and Research Station from January 1 to August 31, 2022. The air temperature and relative humidity sensors of the automatic weather station in Hutou Village are set up at 5m and 10m respectively, facing due north; The barometer is installed at 10m; The tipping bucket rain gauge is installed at 10m; Wind speed and wind direction sensors are set at 5m 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 probes are buried at 2cm, 5cm, 10cm, 20cm, 40cm, 60cm and 80cm 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：Jinfo Mountain National Station Hutou Village
Time：2022

3、Data details

1.Scale：None

2.Projection：

3.Filesize：10.7MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.76271 | - |
| west：106.3192621 | - | east：106.3192621 |
| - | south：29.76271 | - |

5、Time frame:2021-12-31 16:00:00+00:00--2022-08-30 16:00:00+00:00

6、Reference method

References to data:

KONG Debing . Observation data of Hutou Village Automatic Weather Station of Jinfo National Station (2022). 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