Upper Yangtze River Scientific Data Center

**Observation data of Yinxian Cave lysimeter at Jinfo National Station (2021)**

1、Description

This data is from the lysimeter observation data of Yinxiandong Primary Forest Observation Field (E107.1941206 °; N29.06757 °, 1194m above sea level) of National Field Scientific Observation and Research on Karst Ecosystem in Jinfo Mountain, Chongqing from January 1 to December 31, 2021. The underlying surface of the station is the primary forest on the north slope of Jinfo Mountain. The acquisition frequency of the lysimeter is 1Hz, and the published data is 10min output data. The lysimeter is a cylindrical structure with a surface area of 1m2, a buried depth of 1.5m and an observation accuracy of 0.01mm for evapotranspiration. There are three lysimeters installed, which are located in the primary forest 30 meters south of the flux tower, and all of them remain bare soil. Processing and quality control of observation data: (1) 144 data per day (every 10min) shall be ensured. If there is data missing or out of range, it shall be marked by NAN; (3) The format of date and time is unified. For example, the time is 10:30 on June 10, 2020;

2、Keywords

Theme：Earth SurFace Processes
Discipline：Terrestrial Surface
Places：Yinxian Cave , Jinfo Mountain National Station
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：82.2MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.06757 | - |
| west：107.1941206 | - | east：107.1941206 |
| - | south：29.06757 | - |

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 . Observation data of Yinxian Cave lysimeter at Jinfo National Station (2021). 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