Upper Yangtze River Scientific Data Center

**2021 Cosmic Ray Soil Moisture Observation System Data of Hutou Village, Jinfo National Station**

1、Description

This data set includes the data of the cosmic ray soil moisture observation system of Hutou Village Farmland Observation Field of Jinfoshan National Station from January 1 to December 31, 2021. The station is located in Hutou Village, Beibei District, Chongqing, with camellia bushes on the underlying surface. The longitude and latitude of the observation point are 106.3192 ° E, 29.7627 ° N, 473m above sea level, and 5m to the west of the flux observation tower. The bottom of the instrument probe is 0.5m above the ground, and the sampling frequency is 1h. The original observation items of the cosmic ray instrument include: voltage Batt (V), temperature T (℃), relative humidity RH (%), pressure P (hPa), fast neutron number N1C (piece/hour), thermal neutron number N2C (piece/hour), fast neutron sampling time N1ET (s) and thermal neutron sampling time N2ET (s).

2、Keywords

Theme：Surface Cosmic Ray
Discipline：Solar-Terrestrial Physics and Astronomy
Places：Jinfo Mountain National Station Hutou Village
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.5MB

4.Data format：None

4、Space scope

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

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 Cosmic Ray Soil Moisture Observation System Data of Hutou Village, 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