**东川站蒋家沟及小江流域气象观测数据说明**

1. **2024年之前观测站及蚂蚁坪气象数据**

* 观测仪器： 自动气象站 Cumulus automatic weather station
* 生产厂家： ELE International Centre of Excellence Bedfordshire, United Kingdom

1. **2024年气象数据**

* 观测仪器： 气象站Weather station
* 生产厂家：东方智感（浙江）科技股份有限公司 Insentek technology co. ltd, China

1. **不同梯度气象站观测数据**

无相关资料

**2024年之前设备安装坐标见下表，2024年气象站坐标见数据明细：**

|  |  |  |
| --- | --- | --- |
| 站点 | 经度（°） | 纬度（°） |
| 下大凹子气象站 | 103.13515 | 26.244634 |
| 蚂蚁坪气象站 | 103.20189 | 26.267639 |
| 观测站气象站 | 103.13381 | 26.245472 |
| 泥德坪气象站 | 103.11528 | 26.264444 |
| 达朵气象站 | 103.0774 | 26.240339 |
| 因民气象站 | 103.01156 | 26.26244 |

备注: 下大凹气象站的坐标根据文字描述来确定，可能存在一定的位置误差。

 

观测站气象站 (2024年之前) 蚂蚁坪气象站(2024年之前)

 

因民气象站 (2024年之前) 达朵气象站(2024年之前)



观测站气象站（2024年）

**备注：**

（1）请在论文发表、专利申请、专著出版等工作中标注数据来源，并在公开发表的中文出版物的致谢部分标明“感谢中国科学院东川泥石流观测研究站为本研究提供了相关数据”，在英文论文致谢部分标明“Dongchuan Debris Flow Observation and Research Station (DDFORS), Chinese Academy of Sciences, which provided the field observation data for this study.”.

（2）更多详细信息见东川站网页（中文网站http://nsl.imde.ac.cn/；英文网站http://nsl.imde.ac.cn/en/）.

（3）数据问题可联系魏丽（weili@imde.ac.cn）和宋东日（drsong@imde.ac.cn）.

**Description of meteorological data at Jiangjia Ravine and Xiaojiang River Catchment**

1. **Meteorological monitoring at Mayiping and Observation station**

* Equipment: Cumulus automatic weather station
* Manufacturer: ELE International

1. **Meteorological monitoringat different altitudes in Xiaojiang River Catchment**

No relevant information can be provided.

1. **Evaporation monitoringat Observation station**

* Device: Automatic surface evaporation monitoring Station
* Model: TNL-ZF3
* Manufacturer: Jinzhou Tiannuo Huaneng Instrument Co., Ltd.
* Measurement accuracy: ±1%
* Measurement range: 0-200mm
* Resolution: 0.1mm
* The quality of the evaporation data is poor and is for reference only.

**The coordinates of the equipment installed before 2024 are shown in the table below, the coordinates of the equipment installed in 2024 see the data.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Station** | **Longitude（°）** | **Latitude（°）** |
| Meteorological station | Xiadawa | 103.13515 | 26.244634 |
| Mayiping | 103.20189 | 26.267639 |
| Observation station | 103.13381 | 26.245472 |
| Nideping | 103.11528 | 26.264444 |
| Daduo | 103.0774 | 26.240339 |
| Yinmin | 103.01156 | 26.26244 |
| Evaporation station | Observation station | 103.13456 | 26.24525 |

Note: The coordinates of the Xiadawa Meteorological station are determined based on textual descriptions, which may introduce some positional inaccuracies.



Meteorological station at Observation station and Mayiping (before 2024)



Meteorological station at Yinmin and Daduo (before 2024)



Meteorological station at Observation building (2024)

**Note:**

(1) In works such as paper, patent, and monograph, please indicate the data source. In the acknowledgments section of Chinese publications, include the statement “感谢中国科学院东川泥石流观测研究站为本研究提供了相关数据” . In the acknowledgments section of English publications, please state, “We would like to thank the Dongchuan Debris Flow Observation and Research Station (DDFORS), Chinese Academy of Sciences, for providing the field observation data for this study.”

(2) For more detailed information, please visit the website of Dongchuan Debris Flow Observation and Research Station (DDFORS) (Chinese website: http://nsl.imde.ac.cn/; English website: http://nsl.imde.ac.cn/en/).

(3) For any data-related issues, please contact Li Wei (weili@imde.ac.cn) and Dongri Song (drsong@imde.ac.cn).