**东川站蒋家沟及小江流域雨量观测数据说明**

1. **2006年及之前雨量**

* 观测仪器：虹吸式雨量计
* 生产厂家：上海气象仪器厂有限公司
* 测量范围：0.1mm-10mm，
* 误差：±0.05mm，
* 降水强度范围：0.1mm/10min～40mm/10min。

**（2）2006年-2023年雨量**

* 观测仪器：翻斗式雨量计
* 生产厂家：上海气象仪器厂有限公司，
* 测量降水强度：0mm/min-4mm/min
* 测量最小分度：0.1mm
* 最大允许误差：±4% mm

**（3）2024年雨量**

* 观测仪器：压电式雨量计Piezoelectric rain gauge
* 生产厂家：东方智感（浙江）科技股份有限公司Insentek technology co. ltd, China
* 测量降水强度：0mm/min-8mm/min
* 测量最小分度：0.01mm
* 最大允许误差：±4% mm

 

**翻斗式雨量计 压电式雨量计**

**（3）2024年前雨量站经纬度坐标见下表，2024年雨量站经纬度坐标见数据:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 雨量站名称 | 经度Latitude (°) | 纬度Longitude (°) | 年份Year | 备注Note |
| 下大凹 | 103.135146 | 26.244634 | 1965 1966 | 坐标根据地理位置估计，可能存在偏差 |
| 阴家凹 | 103.167306 | 26.268583 | 1965 1966 |
| 蚂蚁坪 | 103.201889 | 26.267639 | 1965 1966 |
| 包谷地 | 103.152605 | 26.237883 | 1965 1966 |
| 白沙坡 | 103.163972 | 26.279732 | 1965 1966 |
| 坪子村 | 103.09533 | 26.063917 |  |
| 跑马村 | 103.091169 | 26.033601 |  |
| 钻天坡 | 103.085161 | 26.075942 |  |
| 上凹子 | 103.139323 | 26.238229 |  |
| 格勒 | 103.054583 | 26.519472 |  |
| 林家渡 | 103.095428 | 26.251934 |  |
| 蚂蚁坪 | 103.201889 | 26.267639 |  |  |
| 王家垭口 | 103.187972 | 26.283111 |  |  |
| 李家垭口 | 103.172 | 26.285139 |  |  |
| 银洞 | 103.198417 | 26.246944 |  |  |
| 弯房子 | 103.190111 | 26.234639 |  |  |
| 阴家凹 | 103.167306 | 26.268583 |  |  |
| 蒋家沟汇口 | 103.162917 | 26.251056 |  |  |
| 观测站 | 103.133806 | 26.245472 |  |  |
| 新田坝 | 103.105833 | 26.300194 |  |  |
| 东川城区 | 103.184222 | 26.085472 |  |  |
| 姑海 | 103.228722 | 25.99375 |  |  |
| 木树朗 | 103.1885 | 26.053 |  |  |
| 陈家梁子 | 103.186878 | 26.241973 |  |  |
| 背阴山 | 103.155583 | 26.26325 |  |  |

**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 rainfall data at Jiangjia Ravine and Xiaojiang River Catchment**

**(1) Rainfall before 2006 (including 2006)**

* Rain gauge: Siphon rain gauge
* Manufacturer: Shanghai Meteorological Instruments Factory Co., Ltd.
* Measurement Range: 0.1mm to 10mm
* Error Margin: ±0.05mm
* Precipitation Intensity Range: 0.1mm/10min to 40mm/10min

**(2) Rainfall after 2006**

* Rain gauge: Tipping-bucket rain gauge
* Manufacturer: Shanghai Meteorological Instruments Factory Co., Ltd.
* Measurement range for precipitation intensity: 0mm/min to 4mm/min
* Minimum measurement increment: 0.1mm
* Maximum allowable error: ±4%mm



Tipping-bucket rain gauge Piezoelectric rain gauge

**(3) Location of rainfall gauge installed before 2024 are presented in the following table, Location of rainfall gauge installed in 2024 see the data table.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Rainfall gauge name | 经度Latitude (°) | 纬度Longitude (°) | 年份Year | 备注Note |
| Xiadawa | 103.135146 | 26.244634 | 1965 1966 | The coordinates are determined based on textual descriptions, which may introduce some positional inaccuracies. |
| Yinjiawa | 103.167306 | 26.268583 | 1965 1966 |
| Mayiping | 103.201889 | 26.267639 | 1965 1966 |
| Baogudi | 103.152605 | 26.237883 | 1965 1966 |
| Baishapo | 103.163972 | 26.279732 | 1965 1966 |
| Pingzicun | 103.09533 | 26.063917 |  |
| Paomacun | 103.091169 | 26.033601 |  |
| Zuantianpo | 103.085161 | 26.075942 |  |
| Shangwazi | 103.139323 | 26.238229 |  |
| Gele | 103.054583 | 26.519472 |  |
| Linjiadu | 103.095428 | 26.251934 |  |
| Mayiping | 103.201889 | 26.267639 |  |  |
| Wajiayakou | 103.187972 | 26.283111 |  |  |
| Lijiayakou | 103.172 | 26.285139 |  |  |
| Yindong | 103.198417 | 26.246944 |  |  |
| Wanfangzi | 103.190111 | 26.234639 |  |  |
| Yinjiawa | 103.167306 | 26.268583 |  |  |
| Huikou | 103.162917 | 26.251056 |  |  |
| Observation Station | 103.133806 | 26.245472 |  |  |
| Xintianba | 103.105833 | 26.300194 |  |  |
| Dongchuan District | 103.184222 | 26.085472 |  |  |
| Guhai | 103.228722 | 25.99375 |  |  |
| Mushulang | 103.1885 | 26.053 |  |  |
| Chenjialiangzi | 103.186878 | 26.241973 |  |  |
| Beiyinshan | 103.155583 | 26.26325 |  |  |

**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).