**DATA QUALITY CONTROL OF AWS LOCATED IN BUGESERA AND NGOMA DISTRICTS**

The controlled data extends from 1st, July,2025 to 24th, September,2025.

1. **MAYANGE AWS**

* **Reporting status:** Up to date
* **Missing data:** Data between mentioned time below are missing.

|  |  |
| --- | --- |
| **SN** | **Period** |
| 1 | 11/07/2025 14:20:00 - 13/07/2025 08:30:00 |
| 2 | 29/07/2025 08:00:00 - 31/07/2025 16:10:00 |
| 3 | 31/07/2025 16:10:00 - 31/07/2025 16:50:00 |
| 4 | 04/09/2025 19:50:00 - 05/09/2025 09:00:00 |
| 5 | 09/09/2025 00:20:00 - 15/09/2025 08:30:00 |

1. **GIHINGA AWS**

* **Reporting status:** Up to date
* **Evaporation**: Records negative values
* **Missing data:** Data between mentioned time below are missing.

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| --- | --- |
| **SN** | **Period** |
| 1 | 11/07/2025 15:20:00 - 13/07/2025 09:30:00 |
| 2 | 14/07/2025 10:40:00 - 14/07/2025 11:00:00 |
| 3 | 29/07/2025 09:00:00 - 31/07/2025 17:10:00 |
| 4 | 31/07/2025 17:10:00 - 31/07/2025 17:50:00 |
| 5 | 04/09/2025 20:50:00 - 05/09/2025 10:00:00 |
| 6 | 09/09/2025 01:20:00 - 15/09/2025 09:30:00 |

1. **RWERU AWS**

* **Reporting status:** Up to date
* **Relative humidity:** from 2025-08-27 07:10:00 to 2025-09-16 23:10:00records RH of 100% and from 2025-09-17 07:30:00 up to date records only 0%.
* **Soil Temperature at 100cm:** from 2025-09-16 07:50:00 starts to vary between 32.5 and 50.
* **Missing data:** 38 days, 3 hours, 30 minutes; during night hours did not reports (check the details in provided excel file).

1. **ZAZA AWS**

* **Reporting status: up to date**
* **Rain:** from 1/7/2025 records to 24/09/2025 rainfall of 818.2 mm, this is unrealistic**.**
* **Soil Temperature at 10 Cm:** on 2025-08-17 06:10:00 and 2025-08-17 06:20:00 records negative value of 39.7
* **Soil Moisture 10 at cm:** This Vary between 0.4% and 0.7% which is unrealistic
* **Wind Direction:** This Vary between 15 degrees and 180 degrees which makes sensor to be suspected.
* **Missing data:** 56 days, 1 hours, 30 minutes; during night hours did not reports (check the details in provided excel file).

1. **Automatic Rain Gauges**

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| **Station Name** | **Province** | **District** | **LAST COMMINICATION** | | **ISSUE** |
| Murama | EAST | Ngoma | Update | YES | None |
| Mutenderi | EAST | Ngoma | 14-Jun | NO | Not known |
| Sake | EAST | Ngoma | Update | YES | None |

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