



## **The WMO Laboratory Intercomparison of Rainfall Intensity Gauges: Data Processing**

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The World Meteorological Organisation (WMO) Laboratory Intercomparison of Rainfall Intensity Gauges tested 19 pairs of catchment type of rain gauges from different manufacturers. Tests were performed at a range of constant flow rates resulting in an error curve for each instrument as a function of precipitation intensity. These error curves are generally averages over a time interval that is sufficiently long so that the uncertainty of the reference intensity is better than 1%.

In this paper details of the data processing will be presented which had to be performed in order to obtain the error curves. This includes the analysis of raw data at a higher temporal resolution and the required processing, which depends on the (type of) sensor involved. The raw and/or processed intermediate results give a deeper insight into the performance of the sensors that should be taken into account when selecting a suitable sensor or when analysing intensity data.