

RAIN EFFECTS ON TEMPERATURE INSTRUMENTATION

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The effects of rainfall on air temperature can produce strange results at times. In most cases, the rainfall intensity is directly related to the type of results produced. In this paper, we will show normally expected and unusual results from various intensity and duration of rainfall. The data used for examples were from sites that are sampling the real-time data every 1-10 seconds depending on the particular site and calculating 5 or 15-minute and hourly averages.

We will investigate and discuss the possible causes of these problems.