

Interactive comment on “Pyranometer offsets triggered by ambient meteorology: insights from laboratory and field experiments” by Sandro M. Oswald et al.

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The paper examines the effects of liquid precipitation on pyranometer output under laboratory and ambient conditions (commonly referred to as offsets). It also looks at the effects of three different ventilation systems for the same pyranometer type. I find the experiments were carefully conducted and add new information that should allow one to scrutinized irradiance data with an eye toward eliminating unphysical results after precipitation events. To my knowledge this type of study has not been performed, but was needed to explain strange results that were suspected, but until now, not confirmed by experiments.

I would add a comment to the text that this affects data taken right after routine pyra-
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nometer cleaning when water or alcohol is sprayed on the pyranometer's outer glass.

It follow on experiments, it would be interesting to see how snow, wind, and rapid temperature changes affect offsets.

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