

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

Anonymous Referee #2

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In the manuscript “Pyranometer offsets triggered by ambient meteorology: insights from laboratory and field measurements” Oswald et al. discuss impact of the precipitation on the shortwave radiation measured by standard pyranometers with different ventilation systems. The conclusion from this study is very important and useful for radiation community. Recommended by authors flagging radiation during and after precipitation day and nighttime measurements should be applied by WMO, BSRN network. The manuscript is generally well written and clearly presented and therefore in my opinion this manuscript can be published in AMT after minor revision

Main concerns:

1. The main concern is lack of the information about response of the non-ventilation

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pyranometers on the precipitation. Could you provide any results or some estimation of the impact? If not please provide some discussion about this kind of the radiometers. 2. Some information on the spray system is needed in the section 2. For example about droplet size which may important for radiometer response 3. Could add information on relative humidity during laboratory experiments?

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2016-351, 2016.

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