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Interactive comment on "Surface Radiation during the Total Solar Eclipse over Ny-Ålesund, Svalbard, on 20 March 2015" *by* M. Maturilli and C. Ritter

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We thank Reviewer #3 for his helpful comments.

Concerning the information on longwave downward radiation LWdown during the solar eclipse event, the according line has been added to Figure 5a without explicit discussion as there was no anomaly observed.

Concerning the combination of Figures 1 and 4, we decided to keep the pure geometric information (Figure 1) separate from the measurements (Figure 4). The important information on the shading of instrumentation drawn from Figure 1 is now added in an according color bar illustrating the reason for the non-eclipse decreases in global radiation in Figure 4. For better comparability, both figures now also have the same x-axis and ticks.

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