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Opposite effects of aerosols and meteorological parameters on warm clouds in two contrasting regions over eastern China

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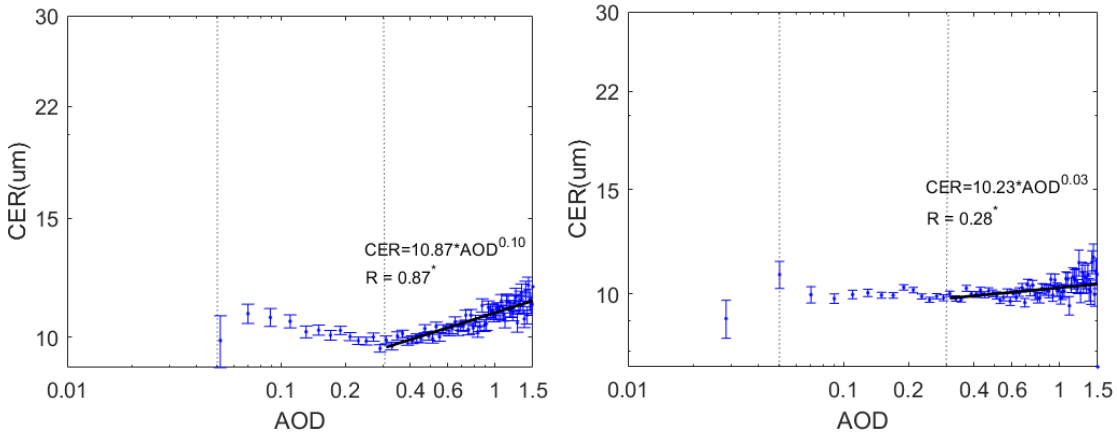

Figure S1. CER vs AOD over the YRD for the periods 2008-2014 (left) and 2015-2022 (right). Here all CER data were averaged in AOD bins, from 0.0 to 1.5 with a step of 0.02. Note that the data are plotted on a log-log scale. The lines for the YRD data for AOD>0.3 represent least-square fits to the binned data, and the resulting relations are presented in each figure. The marker * at the top right corner of the R value indicates that the correlation is statistically significant with p < 0.01. The thin vertical lines indicate the AOD regimes as explained in the text.

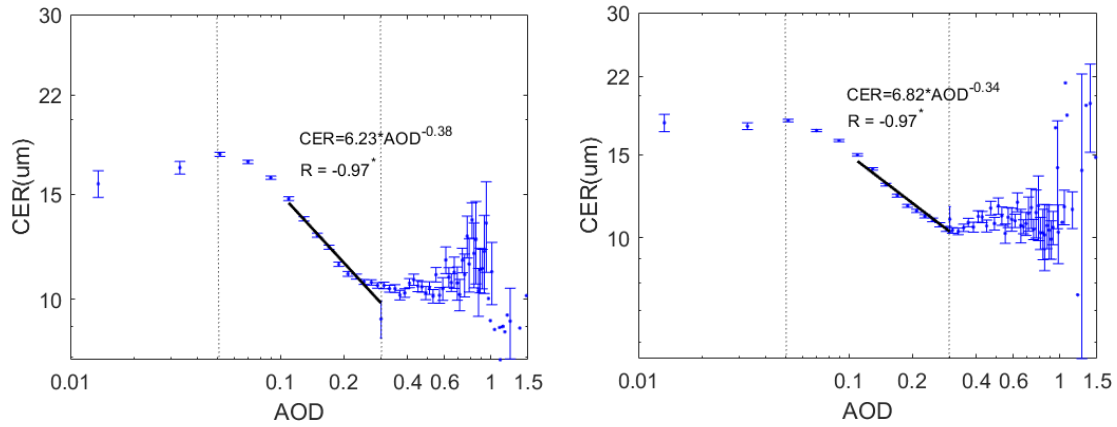

Figure S2. CER vs AOD over the ECS for the periods 2008-2014 (left) and 2015-2022 (right). Here all CER data were averaged in AOD bins, from 0.0 to 1.5 with a step of 0.02. Note that the data are plotted on a log-log scale. The lines for the ECS data for 0.1<AOD<0.3 represent least-square fits to the binned data, and the resulting relations are presented in each figure. The marker * at the top right corner of the R value indicates that the correlation is statistically significant with p < 0.01. The thin vertical lines indicate the AOD regimes as explained in the text.