

Interactive comment on “How should we aggregate data? Methods accounting for the numerical distributions, with an assessment of aerosol optical depth” by Andrew M. Sayer and Kirk D. Knobelspiesse

Andrew Sayer

andrew.sayer@nasa.gov

Received and published: 14 August 2019

Here's a version of Dr. Povey's plot, with the median and geometric standard deviation for certain well-used AERONET sites (version 3, level 2.0, all data) overplotted. The main difference between this and Dr. Povey's example is the use of base 10 logarithm for consistency with the rest of our paper. The equivalent scaling required for the y-axis here to convert it to natural log is $\ln(10)$, i.e. about 2.3.

Anything which isn't the darkest red tone indicates a difference larger than 0.01. Note

Printer-friendly version

Discussion paper



that since this uses all AERONET points for a given site, on shorter time scales the individual sites would move around a little (typically the geometric standard deviation might be lower for those sites showing seasonal variations in aerosol loading).

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-372>, 2019.

Printer-friendly version

Discussion paper



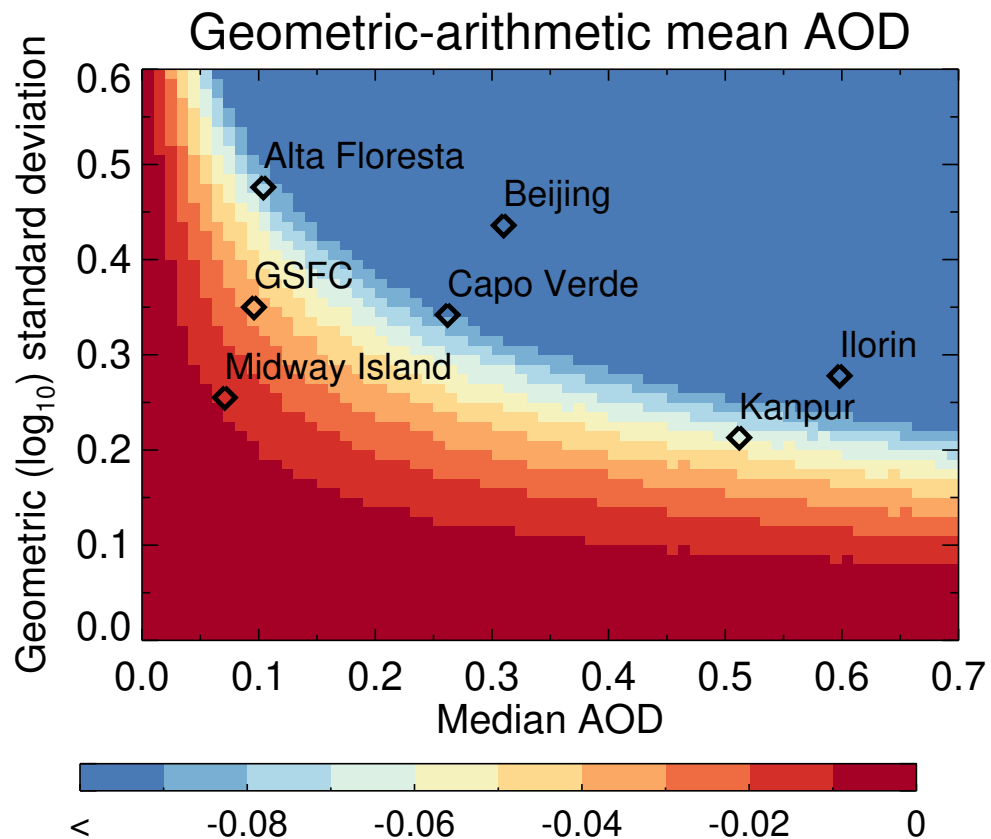


Fig. 1.

[Printer-friendly version](#)[Discussion paper](#)