

## ***Interactive comment on* “Experimental study of H<sub>2</sub>SO<sub>4</sub> aerosol nucleation at high ionization levels” by Maja Tomicic et al.**

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Thank you for your comments, which clarify the points in question. I do encourage you to add more information for clarity, about the pressure, O<sub>3</sub> and SO<sub>2</sub>, as well as temperature.

If you can say something about the possible variation with temperature that would be good, since 295K really only is realistic for ground level and the very lower troposphere, which seems less relevant for your study. I understand the experimental constraint (and the connection to Dunne), but I do think you should say whatever you can about the possible effect of lower temperature. Similarly for pressure.

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