

## ***Interactive comment on “A Calibration Procedure Which Accounts for Non-linearity in Single-monochromator Brewer Ozone Spectrophotometer Measurements” by Zahra Vaziri Zanjani et al.***

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1) Pg 1, Ln 26-32, references and a short discussion of the papers mentioned has been added. 2) It is just an example of how a very large slant column amount can occur. Ozone columns in excess of 500 DU are not unusual in the Arctic spring when measurements still must be made at large solar zenith angles. Clarification has been made in the text, Pg 1, Ln 18 3) Izana Observatory has been added, Pg 1 Ln 19 4) At wavelengths above 300 nm, the presence of stray light may be problematic as well. This paper addresses this issue. Pg 2, Ln 29 5) A reference to the weighting

C1

coefficients has been added. Going into more detail about this is outside the scope of this paper. Pg 4, Ln 14 6) Effects of deadtime have been referenced. Pg 6, Ln 15 7) Corrected the dots. Pg 5, Ln 7 8) The slope of Langley plot is  $\alpha \cdot x$  which has been corrected. Pg 5, Ln 9 9) Eq 2.8 has been corrected. Pg 5, Ln 19 10) Reference to figure 6 has been added. Pg 7, Ln 17-23

Please also note the supplement to this comment:

<https://www.atmos-meas-tech-discuss.net/amt-2018-157/amt-2018-157-AC1-supplement.pdf>

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