

# ***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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An additional day of data has been included in the paper to show the mathematical model works with more than one day of data. The application of this method to a series of data is part of the future work intended and is beyond the intended scope of this paper. 1) DB and SB have been changed to DBr and SBr. 2) Pg 3, Ln 17, the difference between the wings has been clarified. 3) Pg 3, Ln 30, 10 has been corrected. 4) Pg 3, Ln 33, differential absorption method added. 5) There is no transition. F is calculated from the counts and substituted in Eq 2.5 6) One alpha is calculated for

each instrument, the sum of the filters is used and is now shown in the model equation. 7) Pg 5, Ln 1, k is the number of components of v that are to be retrieved added to the text. 8) This correction is applied at the same time as the others. 9) Discussion of results has been clarified and figure 6 has been called out.

Please also note the supplement to this comment:

<https://www.atmos-meas-tech-discuss.net/amt-2018-157/amt-2018-157-AC2-supplement.pdf>

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Discussion paper

