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Atmospheric Measurement Techniques Discussions

Interactive comment on "Characterization of the instrument temperature dependence of Brewer total ozone column measurements" *by* Alberto Berjón et al.

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This paper describes clearly the importance of temperature correction in the Brewer Spectrophotometer and the methodology employed to apply compensation to the derived total ozone column. Since temperature coefficients are traditionally determined from measurements on the internal lamp, it is important that the associated assumptions are proved valid. The results show that the relative corrections are valid, largely as a result of the nature of the ozone algorithm but further investigation would be necessary before applying absolute corrections to absolute measurements such as aerosol optical depth or UV measurements.

This paper should be published with a few technical corrections:

P1 Line 12: Insert 'a' between as and reference.

P3 Line11: Change obtaining to obtained.

P7 Line 30: Should be 'For these studies'

P9 Line19: Remove 'the' from in front of 'section ' Figures 7, 8: Lower plots are labelled 'Filed Data' rather than 'Field Data'

P4 Line 13: 'Most photo-detectors have' would read better.

Eqn 16 has too many equals signs.

P6 Line 6: Should it not be that the change of the response with T is proportional at all wavelengths?

Also, mentions of EUBREWNET should be referenced to COST Action ES1207

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