

## ***Interactive comment on “Improved sky imaging for studies of enhanced UV irradiance” by J. M. Sabburg and C. N. Long***

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The authors thank Anonymous Referee #1 for valued comments and reply to each below:

1. Agree in principle.
2. We can include a statement along the lines that except for anecdotal feedback, there are only limited comparisons, e.g. Long et al (2001). This paper suggests that there is agreement between the results from the TSI-880 and WSI. It would appear that there would also be agreement with the TSI-440.
3. The answer is no, therefore it doesn't affect the results.
4. Yes. We speculate it is a combination of both real cloud enhancement and problems with the measurement process. Solving the measurement problems would probably

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reduce the frequency and magnitude of real cases of enhancement. We believe that genuine wavelength dependencies can be found for all three 'trends' mentioned in the paper.

5. From inspection of over 600 images it would appear that the new algorithms processed the images very well.

Technical Corrections: Agree with all.

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Interactive comment on Atmos. Chem. Phys. Discuss., 4, 6213, 2004.

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