

## ***Interactive comment on “Monitoring high-ozone events in the US Intermountain West using TEMPO geostationary satellite observations” by P. Zoogman et al.***

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In the Introduction, the Authors state that "This UV/Vis multispectral combination for ozone observation has not been used from space before." This is not true. There exists a published work on a multispectral inversion scheme to retrieve ozone information from SCIAMACHY (real) observations, by using UV+VIS observations:

P. Sellitto, F. Del Frate, D. Solimini, S. Casadio, Tropospheric Ozone Column Retrieval From ESA-Envisat SCIAMACHY Nadir UV/VIS Radiance Measurements by Means of a Neural Network Algorithm, IEEE Transactions on Geosciences and Remote Sensing,

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Volume 50, Issue 3, Pages 998-1011, 2012.

The improvements brought, in particular in the troposphere, by this multispectral approach, and specifically by using the VIS radiation in the Chappuis bands, are discussed in the following publication:

P. Sellitto, A. Di Noia, F. Del Frate, A. Burini, S. Casadio, D. Solimini, On the role of visible radiation in ozone profile retrieval from nadir UV/VIS satellite measurements: An experiment with neural network algorithms inverting SCIAMACHY data, Journal of Quantitative Spectroscopy and Radiative Transfer, Volume 113, Issue 12, Pages 1429-1436, 2012.

I imagine that these papers should be considered in this context. I suggest the Authors to take a look at those publications, add them as references to their paper and correct the wrong statement above.

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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 33463, 2013.

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