

## ***Interactive comment on “Relevance of a kite-based calibration for a water vapour Raman lidar” by J. Totems and P. Chazette***

**Anonymous Referee #2**

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As a follow on to my previous comment, may I suggest that the authors have a look at the following publications and references therein, in order that they can attempt to comment the result on the -28% bias of Aeronet within context? It is true that studying Aeronet was not the authors' initial goal, but as they have found a bias I believe that it could be worth it to put this result into a wider context.

Ortiz de Galisteo, Toledano, Cachorro and Torres, Improvement in PWV estimation from GPS due to the absolute calibration of antenna phase center variations, GPS Solut, 14,389-14,395, 2010, DOI 10.1007/s10291-010-0163-y.

Mavromatakis, Gueymard, and Franghiadakis, Technical Note: Improved total atmospheric water vapour amount determination from near-infrared filter measurements with sun photometers, Atmos. Chem. Phys., 7, 4613-4623, 2007.

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Martinez-Lozano, Estelles, Molero, Gomez-Amo, Utrillas, Pujadas, Fortea, and Guanter, Atmospheric Components Determination From Ground-Level Measurements During the Spectra Barax Campaigns (SPARC) Field Campaigns, IEEE Trans. Geosci. Rem. Sens., 45, 2778-2793, 2007.

Estelles, Martinez-Lozano, Utrillas, and Campanelli, Columnar aerosol properties in Valencia (Spain) by ground-based Sun photometry, J. Geophys. Res., 112, D11201, doi:10.1029/2006JD008167, 2007.

Torres, Cachorro, Toledano, Ortiz de Galisteo, Berjon, and de Frutos, Integrated water vapor (IWV) climatology with RIMA-AERONET sunphotometers, GPS and Radiosondes in the Southwestern of Spain, European Aerosol Conference 2009, Karlsruhe, Abstract T094A07, 2009.

All the best.

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Interactive comment on Atmos. Meas. Tech. Discuss., 8, 10577, 2015.

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