Dear Dr. Gutenstein-Penning de Vries

In our former submission answering your suggestions we made and omission not placing the statement about single observations after the results it refers to (i.e., from the temporal and spatial means). Our apologies for it. In the current version of the manuscript followed your suggestions we followed your suggestion.

We made the latest suggested changes to the text by including the following text to replace the former one:

The comparison of spatial and temporal coincident single observations and collocated daily means of AODt, AODa, AODta vs. AODSP shows, in general, a better performance for the Dark Target (DT) than for the Deep Blue (DB) algorithm for Camagüey. In particular we found: 1) small differences were found between AODt and AODa, thus justifying the combination of these observations in a single dataset for climatological studies; 2) Both DT and DB algorithms are better than expected (f around 80%) between November and January, but in other months f is on the order of one standard deviation (f = 68%) for DT and significantly lower for DB; 3) from linear correlation analysis, MODIS slightly overestimates AOD compared to the sun photometers; 4) data from both MODIS instruments are well correlated with AERONET AOD with regression slopes close to 1, with the DT algorithm outperforming the DB algorithm; In addition, the comparison of multi-annual monthly means of AODta with AODsp indicate better agreement with results from the DT algorithm (compared to DB), consistent with the findings above.

Thank you very much for your contribution to improve the manuscript

Best regards

Dr. Juan Carlos Antuña Marrero

Camagüey, Cuba, March 15, 2018