

The paper has been modified in large portions of the original manuscript as the result of following the reviewer recommendations. Overall, the quality of the manuscript has improved significantly. A lot of new insight on the impact of using light-scattering models of particles of non-spherical shape has been presented. The results are presented in a balanced way, pointing out to the significance of using this novel light-scattering model and still emphasizing the challenges involved in investigating optical data that describe non-spherical particles.

I ask the authors to make the following minor corrections to their text.

Table 1: SUMUM to SAMUM

Line 802: ... shows ... - to - ... show ...

Line 1145: ... difference ... – to – ... the difference ...

Line 1147: ... conspicuous ... - to - ... a conspicuous ...

Line 1172: ... is a much improvement ... - to - ... is a significant improvement ...

Line 1329: ... difference is ... - to - ... the difference is ...

Line 1422: ... compare ... - to - ... compared ...

Line 1461: ... with the slowly increase of ... - to - ... with the gradual increase of ...

Line 1563: ... depends ... - to - ... depend ...

Line 1619: ... has be given ... - to - ... has been given ...

Line 1880: ... noise presents. - to - ... noise is present.

Line 1886/7: ... likely to increase the ... – to - ... likely increase the ...