

## Revised spectral optimization approach to remove surface-reflected radiance for the estimation of remote-sensing reflectance from the above-water method: supplement

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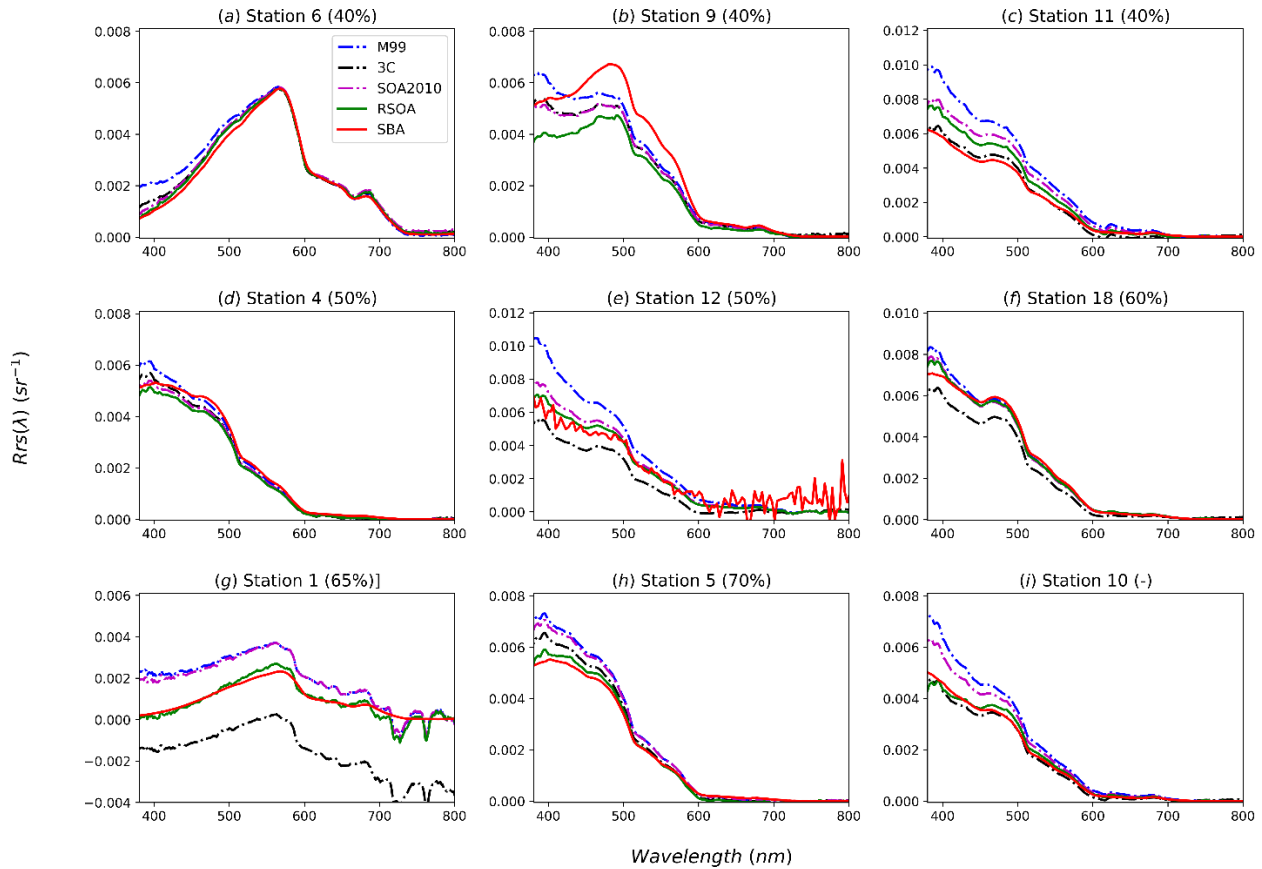
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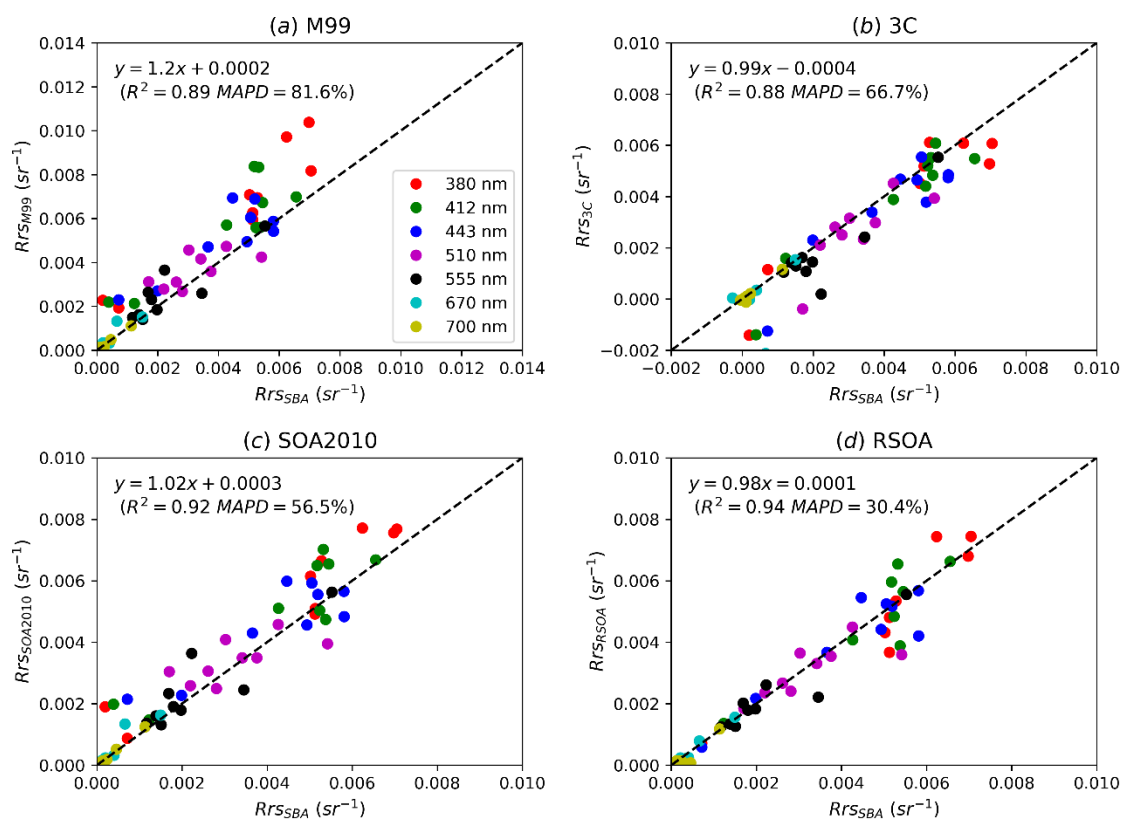
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The following supporting figures provide additional results of this paper. Figure S1 and S2 depict the performance of the four correction approaches with measurements obtained under partially cloudy or cloudy conditions (cloud coverage > 30%).



**Figure S1.** Based on partially cloudy and cloudy measurements (cloud coverage > 30%) in 2015 VIIRS dataset, a comparison of  $R_{rs}^{SBA}$  with those from four different correction approaches.



**Figure S2.** Scatter plots of  $R_{rs}^{SBA}$  with those derived from the four correction approaches.