



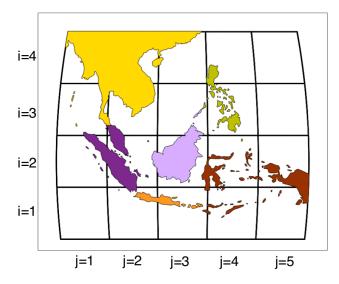
## Supplement of

## Exploring the first aerosol indirect effect over Southeast Asia using a 10-year collocated MODIS, CALIOP, and model dataset

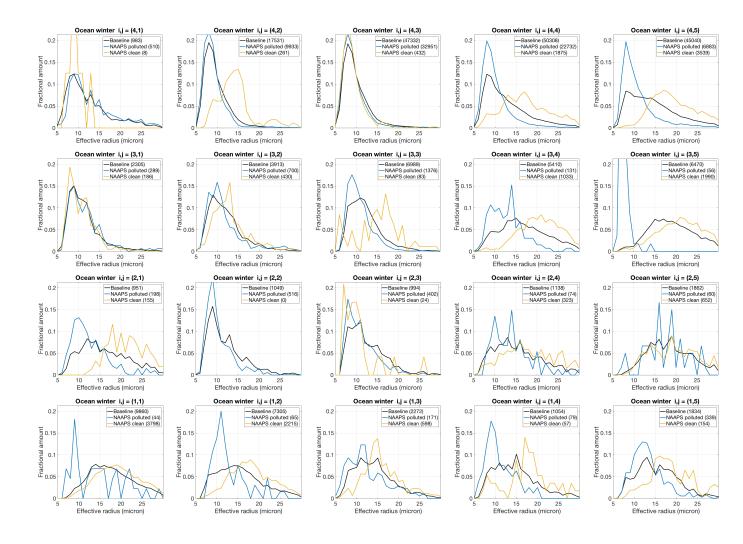
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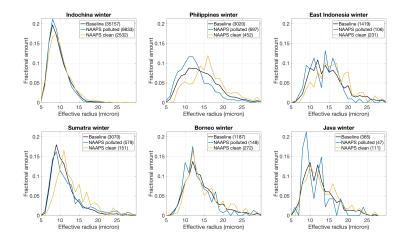
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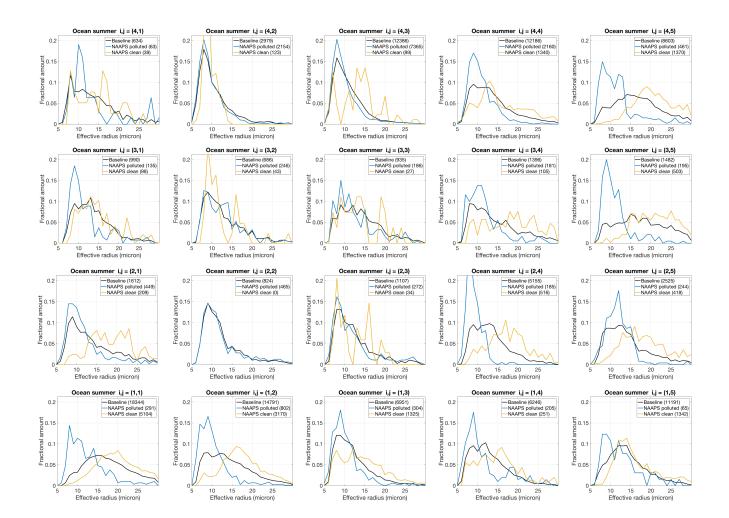
**Fig. S1.** Illustrated ocean grids and land regions. Each of the 20 ocean grids can be identified by an (i,j) coordinate.



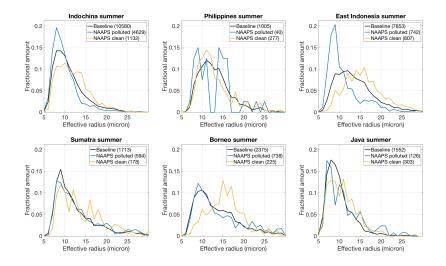
**Fig. S2.** Boreal winter normalized distributions of MODIS effective radius for 1-3 km ocean clouds. Distributions shown are for baseline, polluted, and clean data for twenty ocean regions.



**Fig. S3.** Boreal winter normalized distributions of MODIS effective radius for 1-3 km land clouds. Distributions shown are for baseline, polluted, and clean data for six land regions.



**Fig. S4.** Boreal summer normalized distributions of MODIS effective radius for 1-3 km ocean clouds. Distributions shown are for baseline, polluted, and clean data for twenty ocean regions.



**Fig. S5.** Boreal summer normalized distributions of MODIS effective radius for 1-3 km land clouds. Distributions shown are for baseline, polluted, and clean data for six land regions.