*Supplementary Material*

# Global maps of aerosol single scattering albedo using combined CERES-MODIS retrieval

Archana Devi[1], Sreedharan K Satheesh[1,2,3]

[1] Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bengaluru, India
[2] Divecha Centre for Climate Change, Indian Institute of Science, Bengaluru, India
[3] DST Centre of Excellence in Climate Change, Indian Institute of Science, Bengaluru, India

*Correspondence to:* Archana Devi (archana.shiva13@gmail.com)
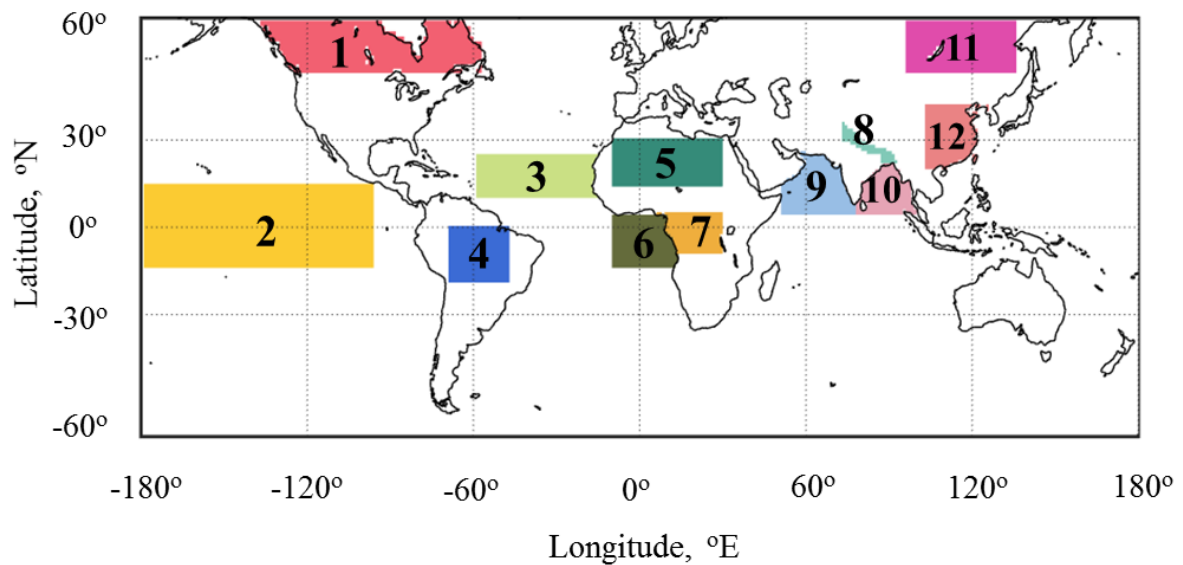
**Figure S1.** Regions of interest (ROI). Details of each region are provided in Table S1

**Table 1.** Details of the regions shown in Fig. S1

| ROI No: | Region | General aerosol characteristics | Lat limit, °N | Lon limit, °E |
|---|---|---|---|---|
| 1 | Canadian Boreal Forest | Relatively pristine with seasonal biomass burning | 48 to 60 | -140 to -58 |
| 2 | Eastern Pacific | Less polluted oceanic region | -15 to 15 | -180 to -97 |
| 3 | North East Atlantic | Highly polluted by dust transport and continental outflow from biomass burning | 10 to 25 | -60 to -10 |
| 4 | Amazon | Relatively pristine with seasonal biomass burning | -20 to 0 | -70 to -48 |
| 5 | Sahara | Desert region with seasonal dust storms | 14 to 30 | -11 to 28 |
| 6 | Southeast Atlantic | Highly polluted by dust transport and continental outflow from biomass burning | -15 to 4 | -11 to 15 |
| 7 | South African Forest | Relatively pristine with seasonal biomass burning | -10 to 5 | 3 to 29 |
| 8 | Indo Gangetic Plain | A highly polluted industrial region with seasonal stubble burning and dust from the Thar desert | 22 to 35 | 72 to 92 |
| 9 | Arabian Sea | Continental outflow of pollution and dust | 4 to 26 | 50 to 77 |
| 10 | Bay of Bengal | Continental outflow of pollution | 4 to 24 | 77 to 99 |
| 11 | Russian Boreal Forest | Relatively pristine with seasonal biomass burning | 48 to 60 | 95 to 135 |
| 12 | Eastern China | A highly polluted industrial region | 20 to 40 | 102 to 125 |