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Supplement of

Chemical characterization of biogenic SOA generated from plant emissions under baseline and stressed conditions: inter- and intra-species variability for six coniferous species

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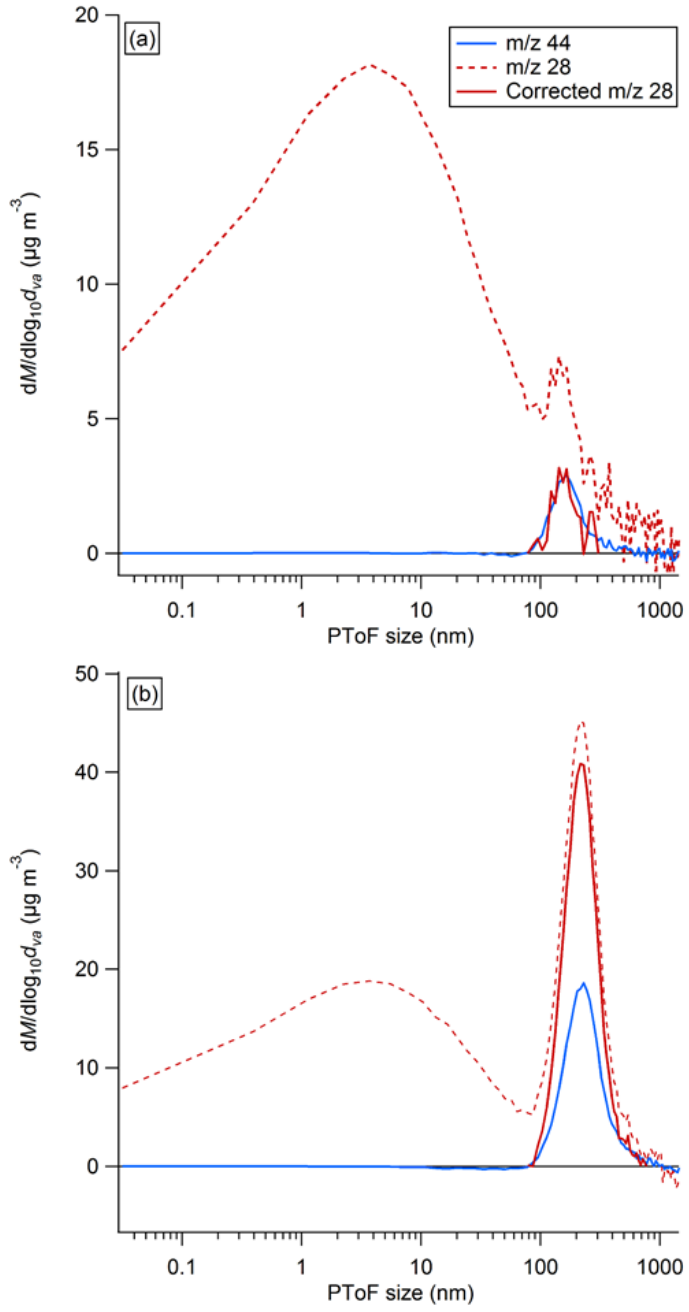

Figure S-1: Sample p-ToF data for m/z 28 and 44 for two experiments. (a) baseline experiment using *Picea pungens* (blue spruce) emissions, (b) stress experiment using both *Pseudotsugas menziesii* and *Abies grandis* emissions (fir mix). The ratio of m/z 28 to m/z 44 was significantly different between baseline and stress experiments. This difference persists for all experiments where data are available where p-ToF data was available.

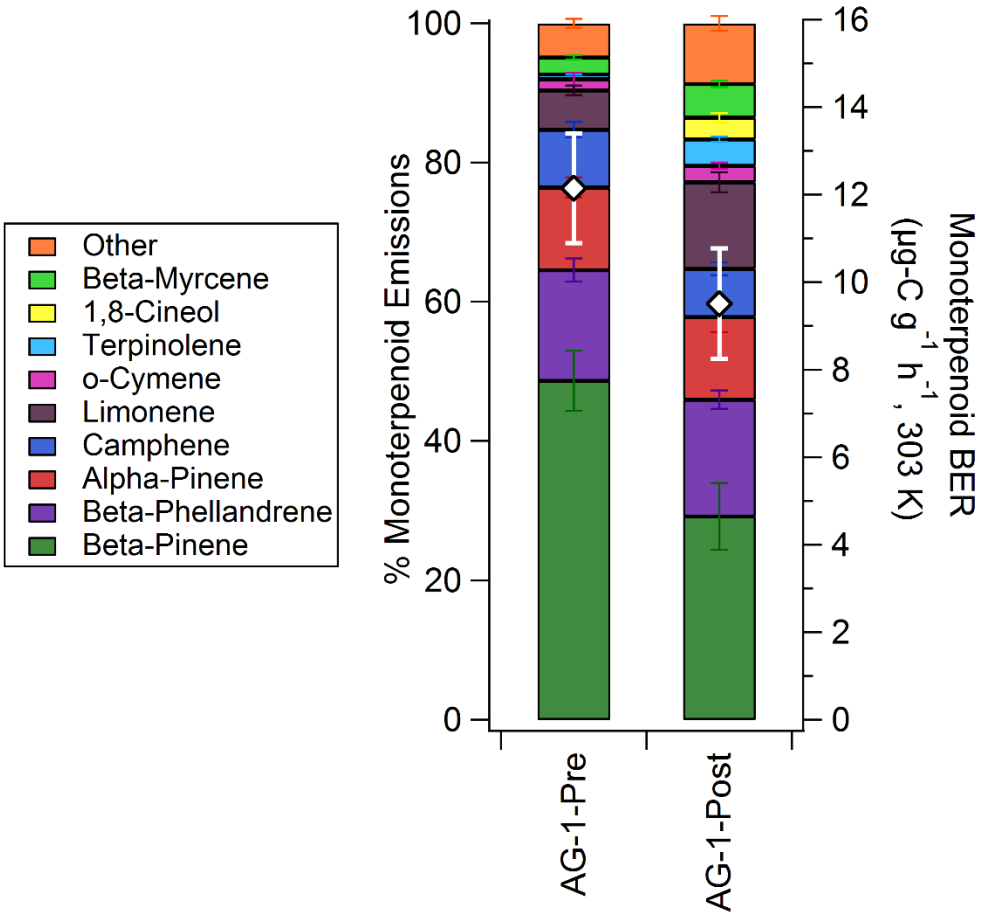

Figure S-2: BVOC profile while loading aerosol growth chamber for experiments with *Abies grandis* (AG) emissions from experiment AG-1. Left axis is the percent of total monoterpenoid compound emissions. The diamonds correspond to the right axis, which shows the average basal emission rate (BER, 303 K) during the aerosol chamber loading period. The error bars represent the standard deviation.