

Figure 3: Average measured versus calculated α_{sp} at IMPROVE sites using GEOS-Chem default and revised optical tables for measurements taken in 0-35 % RH, 35-65 % RH, and 65-95 % RH conditions. The 1:1 line is black. Slope, offset, and correlation coefficient are inset.

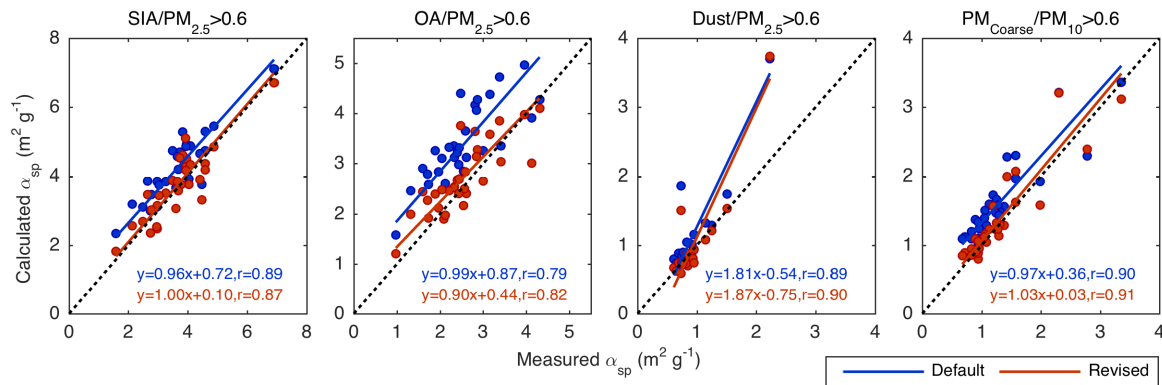


Figure 4: Average measured versus calculated α_{sp} at IMPROVE sites using GEOS-Chem default and revised optical tables for measurements taken in SIA dominant conditions, OA dominated conditions, Dust dominant conditions, and $\text{PM}_{\text{coarse}}$ dominated conditions. The 1:1 line is black. Slope, offset, and correlation coefficient are inset.

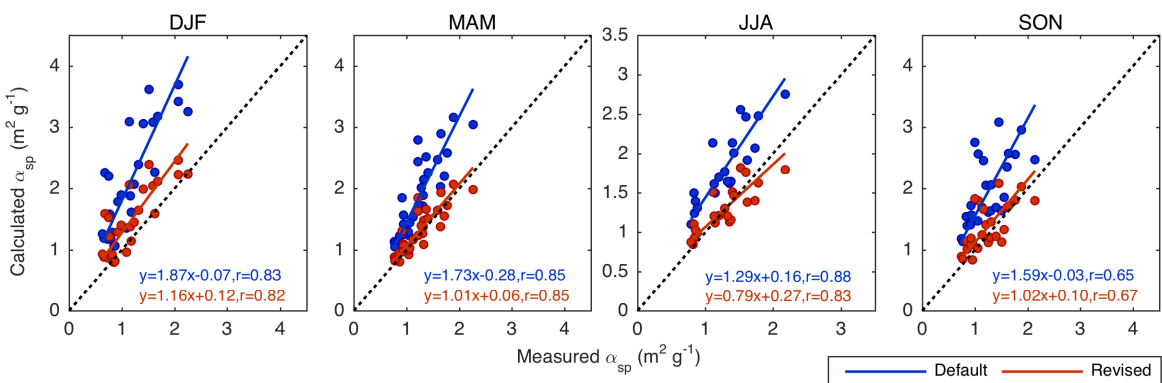


Figure 6: Average measured versus calculated α_{sp} at IMPROVE sites using GEOS-Chem default and revised optical tables for measurements taken in dry conditions (RH < 35 %) in winter, spring, summer, and fall. The 1:1 line is black. Slope, offset, and correlation coefficient are inset.