Auxiliary material for: Constraining surface carbon fluxes using in situ measurements of carbonyl sulfide and carbon dioxide

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## Global Biogeochemical Cycles

The Auxiliary material for this manuscript contains a single file with 11 figures and associated captions for each figure. Figures 1-4 and 6-7 deal with tests on the performance of the COS laser system and branch bag gas exchange system. Figures 5, 10 and 11 present climate and meteorological data used to support the interpretations discussed in the main body of the text. Figures 8 and 9 are additional analysis on the soil and leaf fluxes of COS.