Examination of sulfate aerosol formation over the southern ocean

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Δ\(^{17}\)O(SO\(_4^{2-}\)) = 0‰
Δ\(^{17}\)O(SO\(_4^{2-}\)) = 0.7‰
Δ\(^{17}\)O(SO\(_4^{2-}\)) = 8.8‰

Fig. 1 Sulfate formation pathways and isotopic signatures.

Fig. 2 Observational Δ\(^{17}\)O of sulfate over the southern ocean.