Atmos. Chem. Lecture 15, 11/4/13: Atmospheric aqueous chemistry

1st half: Importance of aqueous chemistry H₂O, CO₂ equilbria SO₂ equilibria Open vs. closed systems 2nd half: Midterm discussion

project proposals due Nov. 8











S(IV) aqueous equilibria

 $\begin{array}{l} \mathsf{SO}_2(\mathsf{g}) + \mathsf{H}_2\mathsf{O} \leftrightarrows \mathsf{SO}_2 \bullet \mathsf{H}_2\mathsf{O} \ (\mathsf{aq}) \\ \mathsf{SO}_2 \bullet \mathsf{H}_2\mathsf{O} \ (\mathsf{aq}) \leftrightarrows \mathsf{H}^+ + \mathsf{HSO}_3^- \\ \mathsf{HSO}_3^- \leftrightarrows \mathsf{H}^+ + \mathsf{SO}_3^{2-} \end{array}$

[Note: Additional material is discussed here during lecture.]







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