

SO₂ observations during POSIDON

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POSIDON provided the first in-situ observations of SO₂ in the TTL over the Western Pacific. Here I will present the statistics of the typical SO₂ observations from the mission and what these measurements imply about the budget of sulfur in the UT/LS. I will also highlight and discuss a few cases where we observed elevated UT/LS SO₂ such as from a volcano likely in Papua New Guinea, and SO₂ brought up to the UT during Typhoon Haima.