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OMI satellite observations of decadal changes in ground-level sulfur dioxide over North America

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OMI SO₂ Surface Mixing Ratio

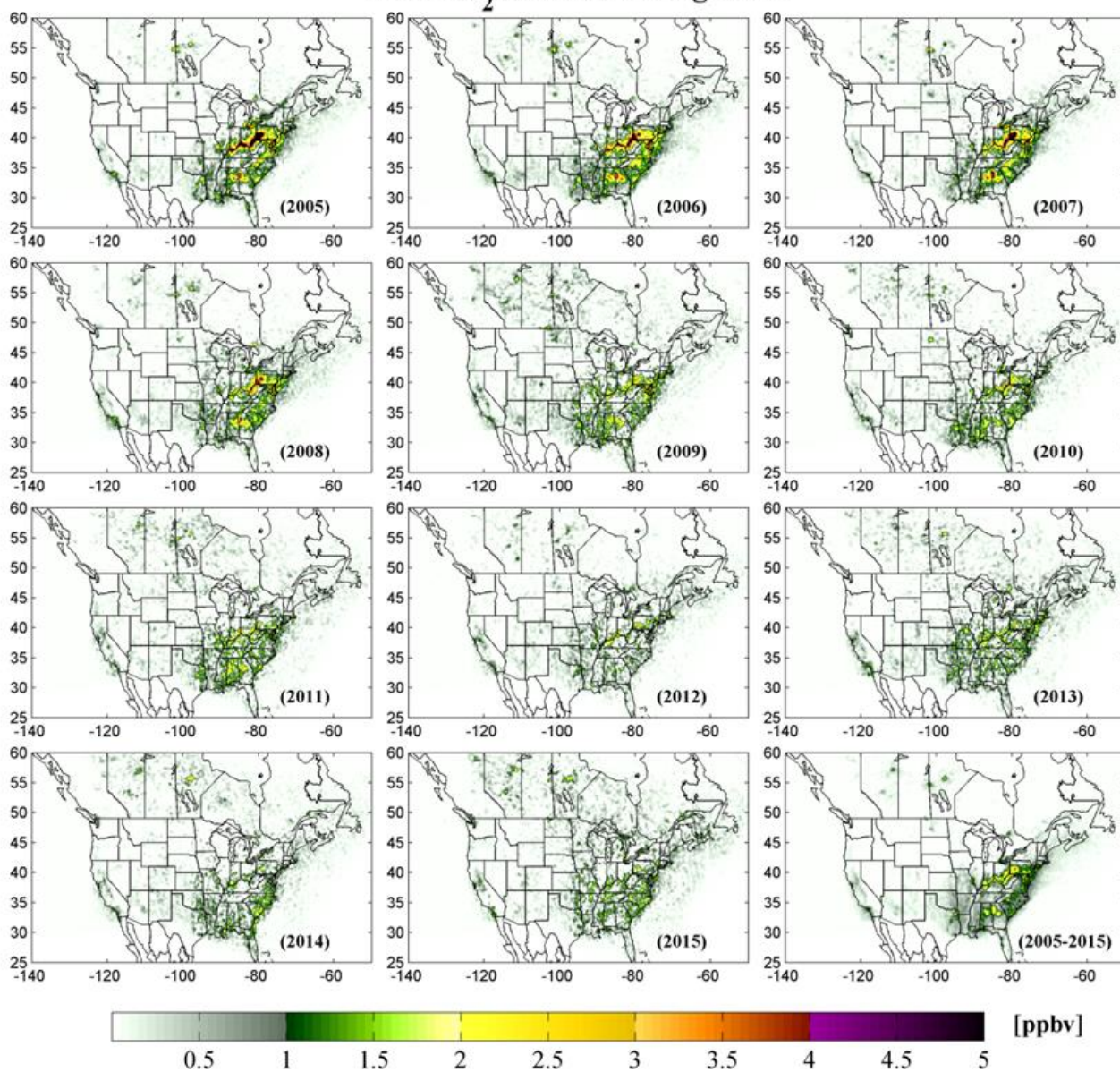


Figure S1: Spatial distribution of annual mean OMI-derived ground-level SO₂ mixing ratio over North America for the period of 2005 to 2015.

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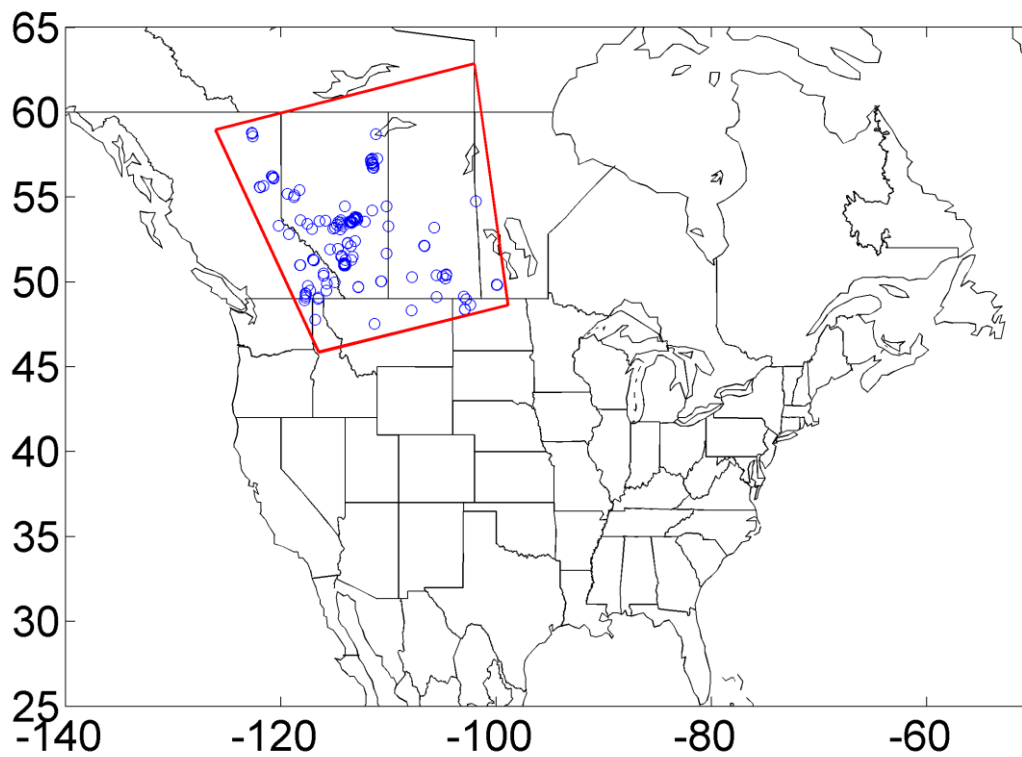


Figure S2: Geographical location of GEM-MACH model domain is shown with a red polygon. The in-situ monitors locations are shown with blue circles.

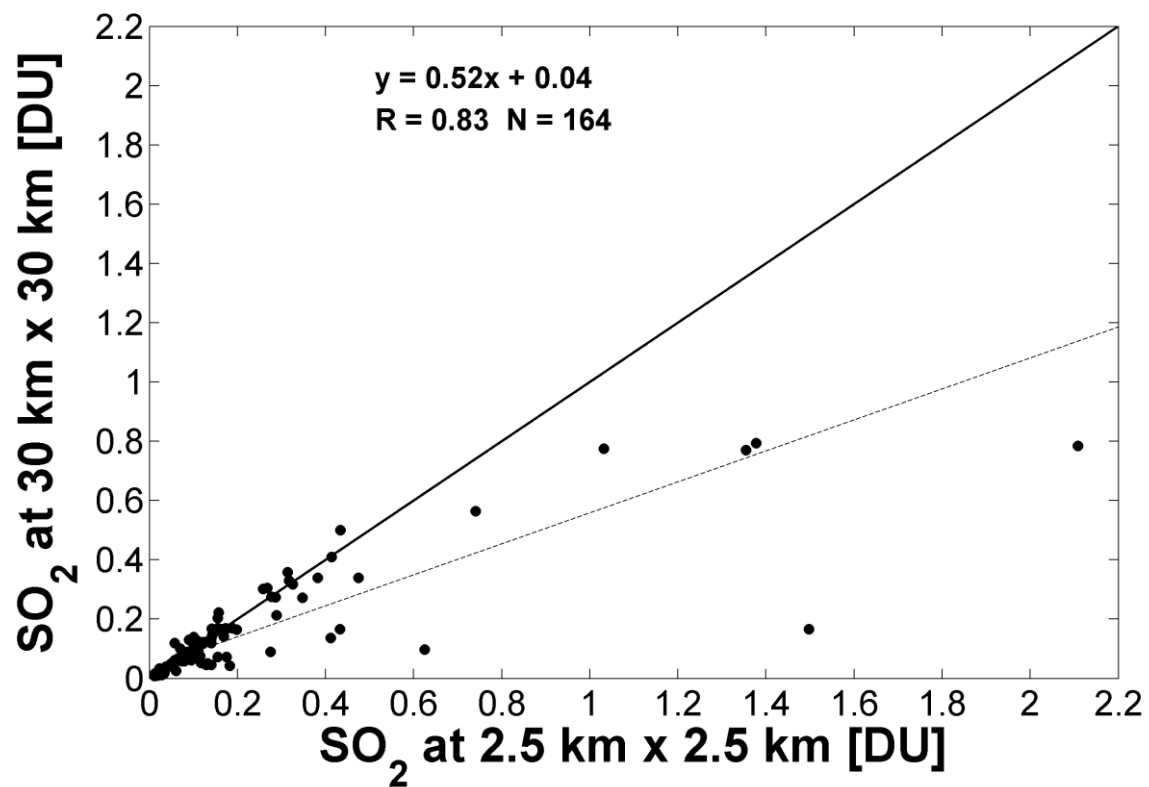


Figure S3: Scatter plot of GEM-MACH SO₂ column.

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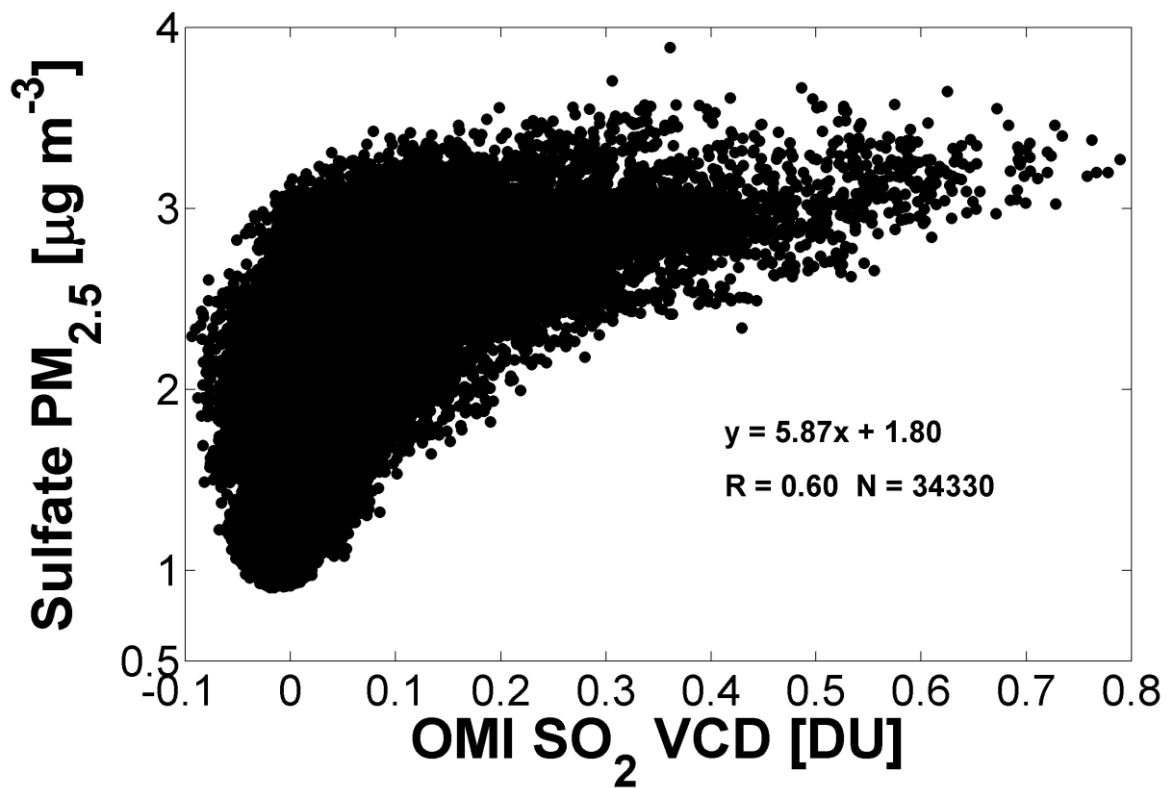


Figure S4: Scatter plot of OMI SO₂ VCD versus sulfate PM_{2.5} over eastern North America.