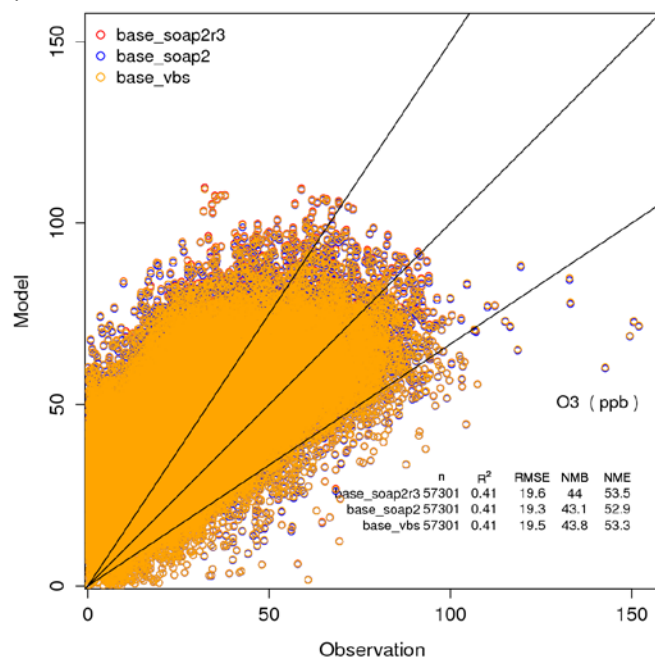


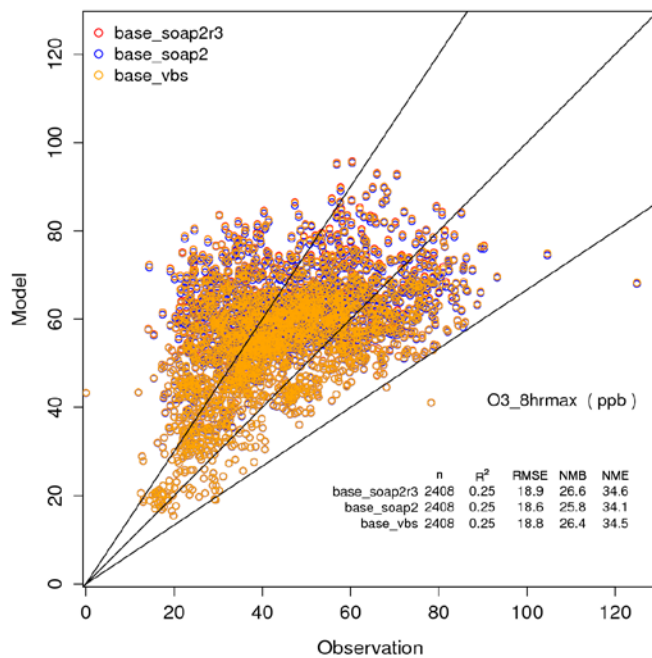
Appendix A

Comparisons between Predicted Concentrations with SOAP2r3 and the SOAP2 and 1.5-D
VBS Schemes

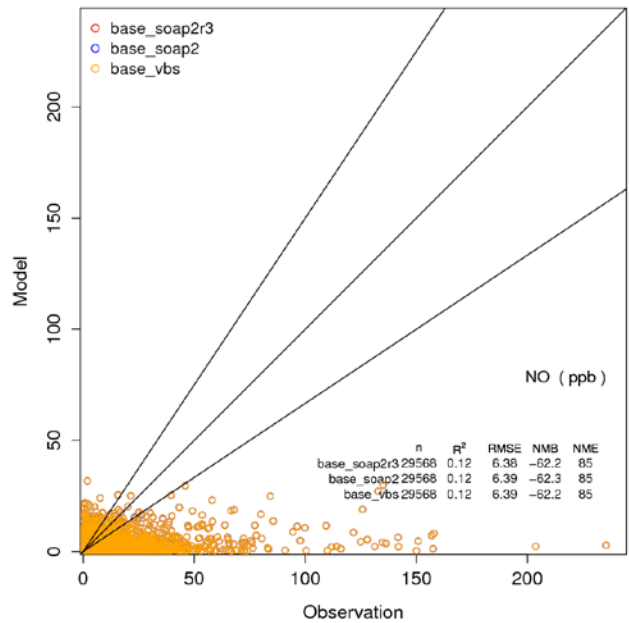
(a)



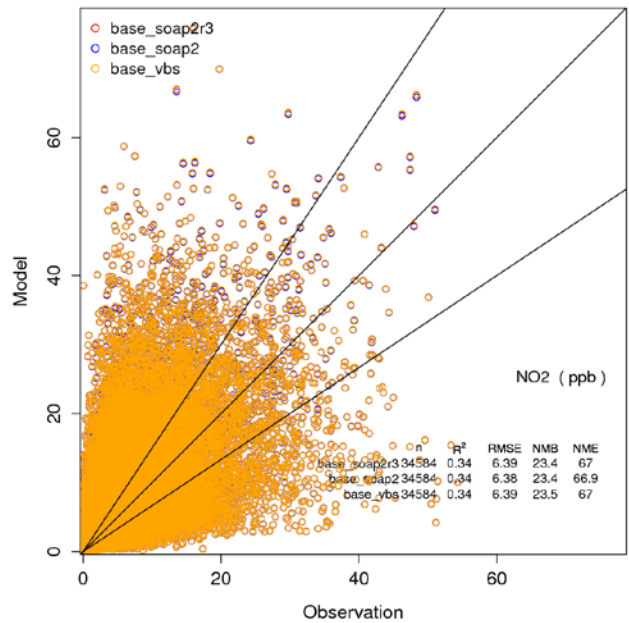
(b)



(c)



(d)



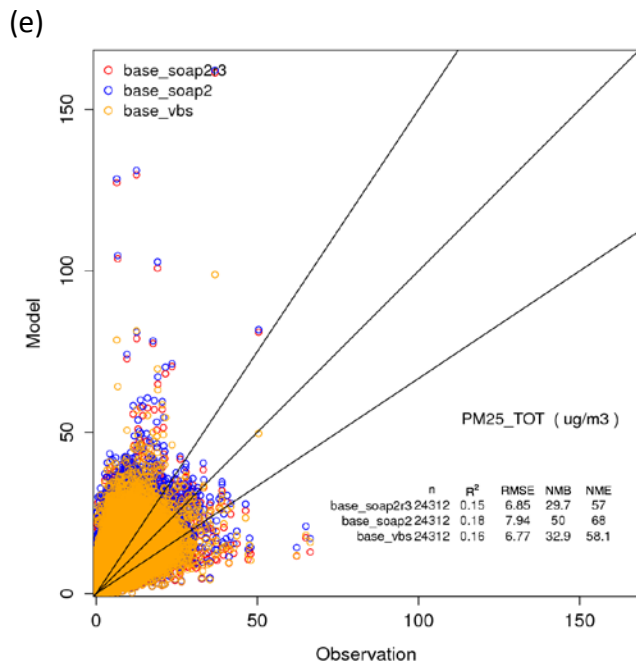


Figure A-1. Scatter plots of modeled and observed (a) hourly ozone and (b) maximum daily average 8-hour (MDA8) ozone concentrations, (c) NO, (d) NO₂, and (e) PM_{2.5} concentrations, paired in space and time, at CAMS monitoring sites within the 4-km eastern Texas domain for CAMx simulations with the 1.5-D VBS, SOAP2, and SOAP2r3 schemes for organic gas-aerosol partitioning and oxidation.