

Figures 1 and 2 of the response by author to interactive comment by RC2 on “Calibrating a global atmospheric chemistry transport model using Gaussian process emulation and ground-level concentrations of ozone and carbon monoxide” by Edmund Ryan and Oliver Wild

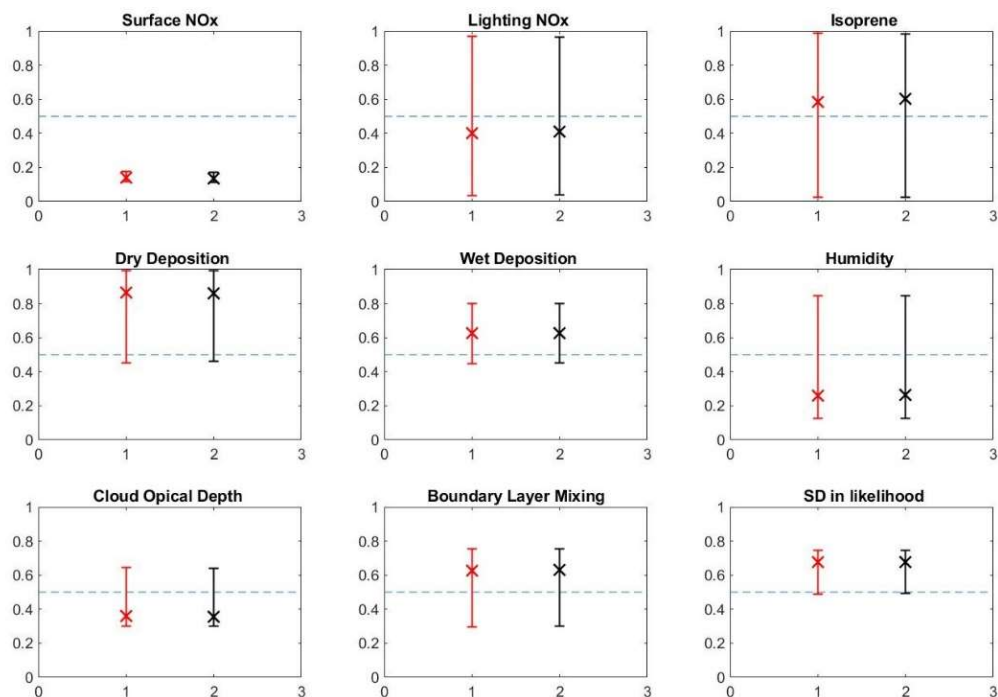


Figure 1: Mean and 95% credible interval of the marginal posterior distributions of the eight scaling parameters and the SD term, corresponding to the MCMC scenario involving surface ozone reanalysis with 2.5% spatial coverage. The red crosses and error bars correspond to the results using the discrepancy term in the emulator formulation, while the black crosses show the standard results without.

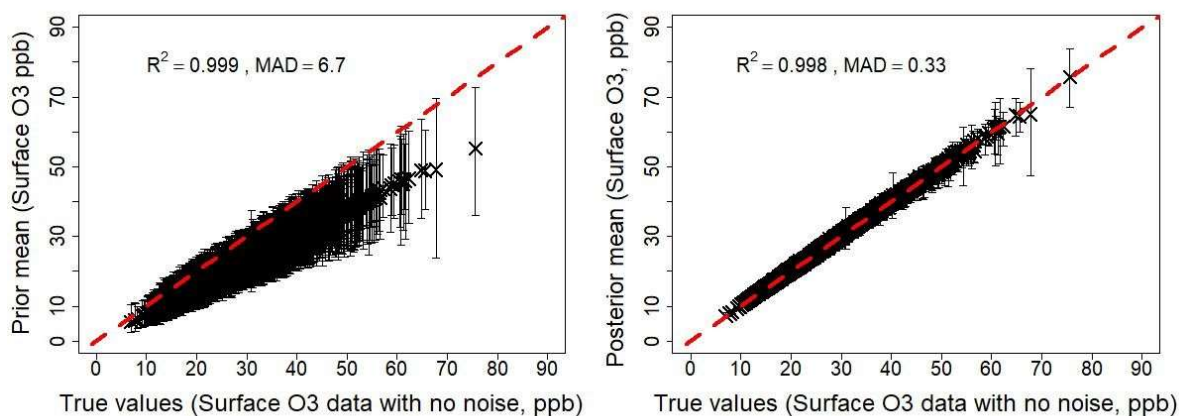


Figure 2: Emulator predictions of the concentration data using inputs that have been sampled from the prior distribution (left) and posterior distribution (right)

