

Evaluation of Dust Emission and Land Surface Schemes in Predicting a Mega Asian Dust Storm over South Korea Using WRF-Chem (v4.3.3)

Ji Won Yoon et al.

Correspondence to: Seon Ki Park (spark@ewha.ac.kr)

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Figure S1. Same as in Fig. 4 but for root mean square error (RMSE).

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Figure S4. Same as in Fig. 8 but for combinations of all land surface schemes and UoC04: the green for UoC04-Noah, the blue for UoC04-RUC, the lime green for UoC04-Noah-MP, and the red for UoC04-CLM4.

Figure S5. Same as in Fig. 9 but for the scheme combinations---the lime green for UoC04-Noah, the blue for UoC04-RUC, the green for UoC04-Noah-MP, and the red for UoC04-CLM4.

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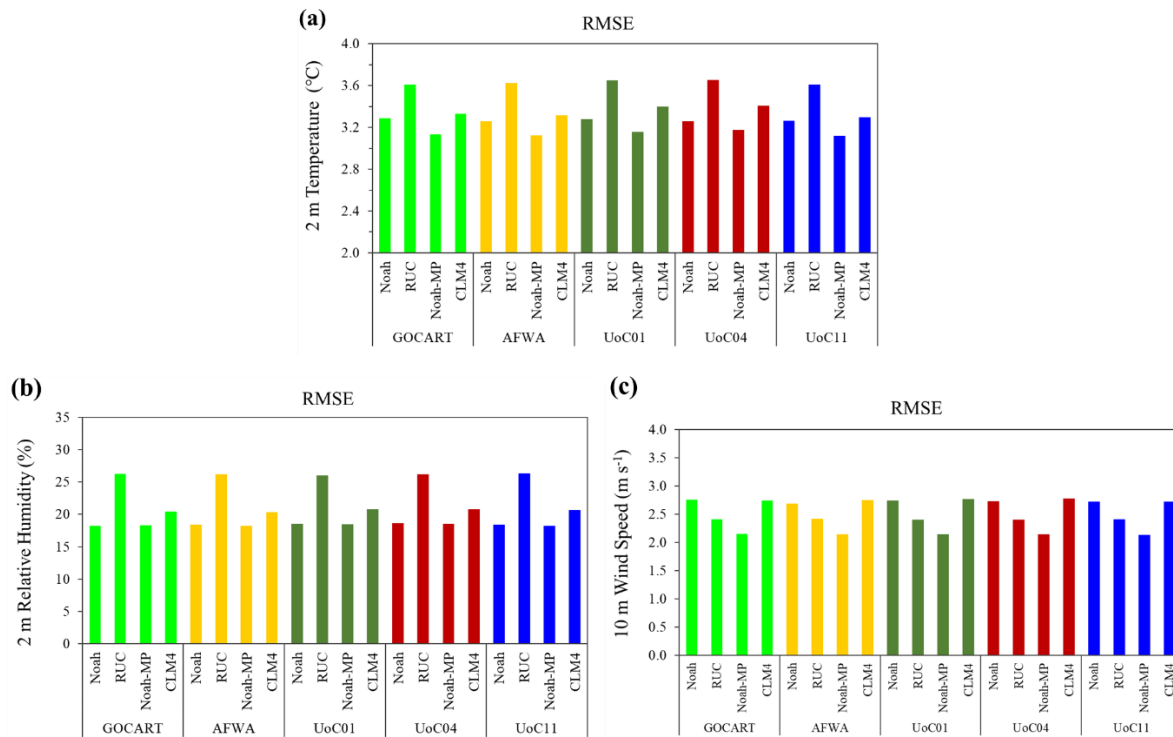


Figure S1: Same as in Fig. 4 but for root mean square error (RMSE).

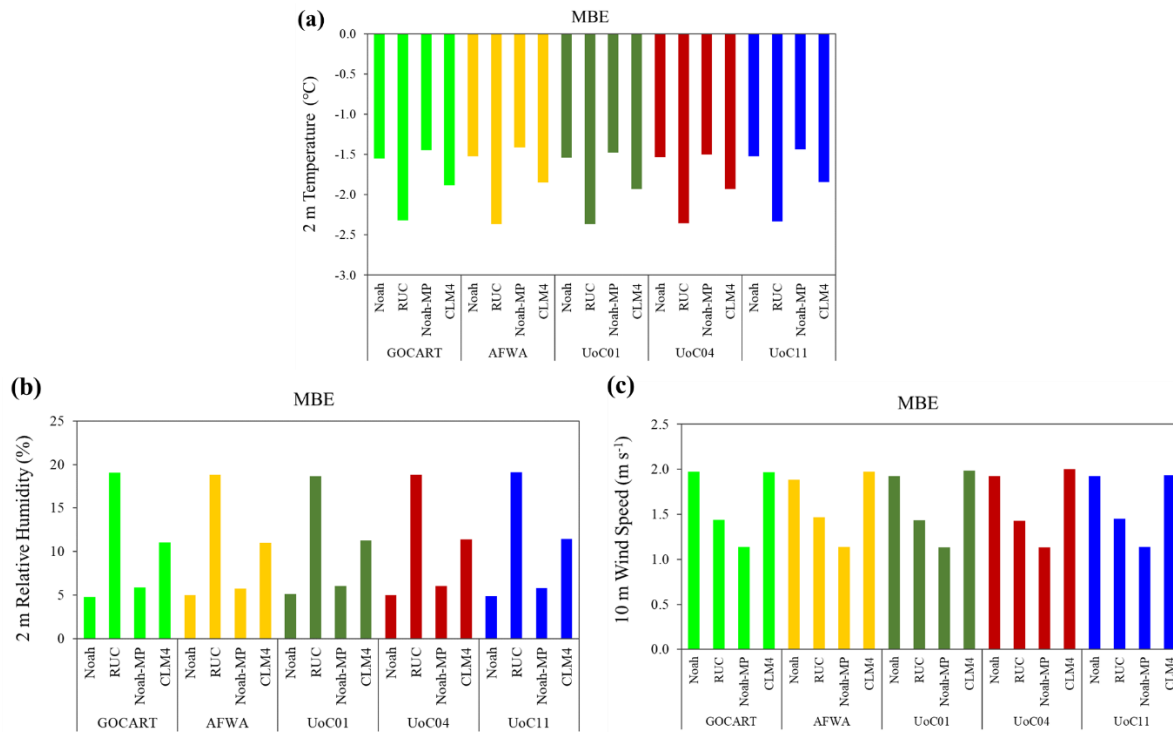


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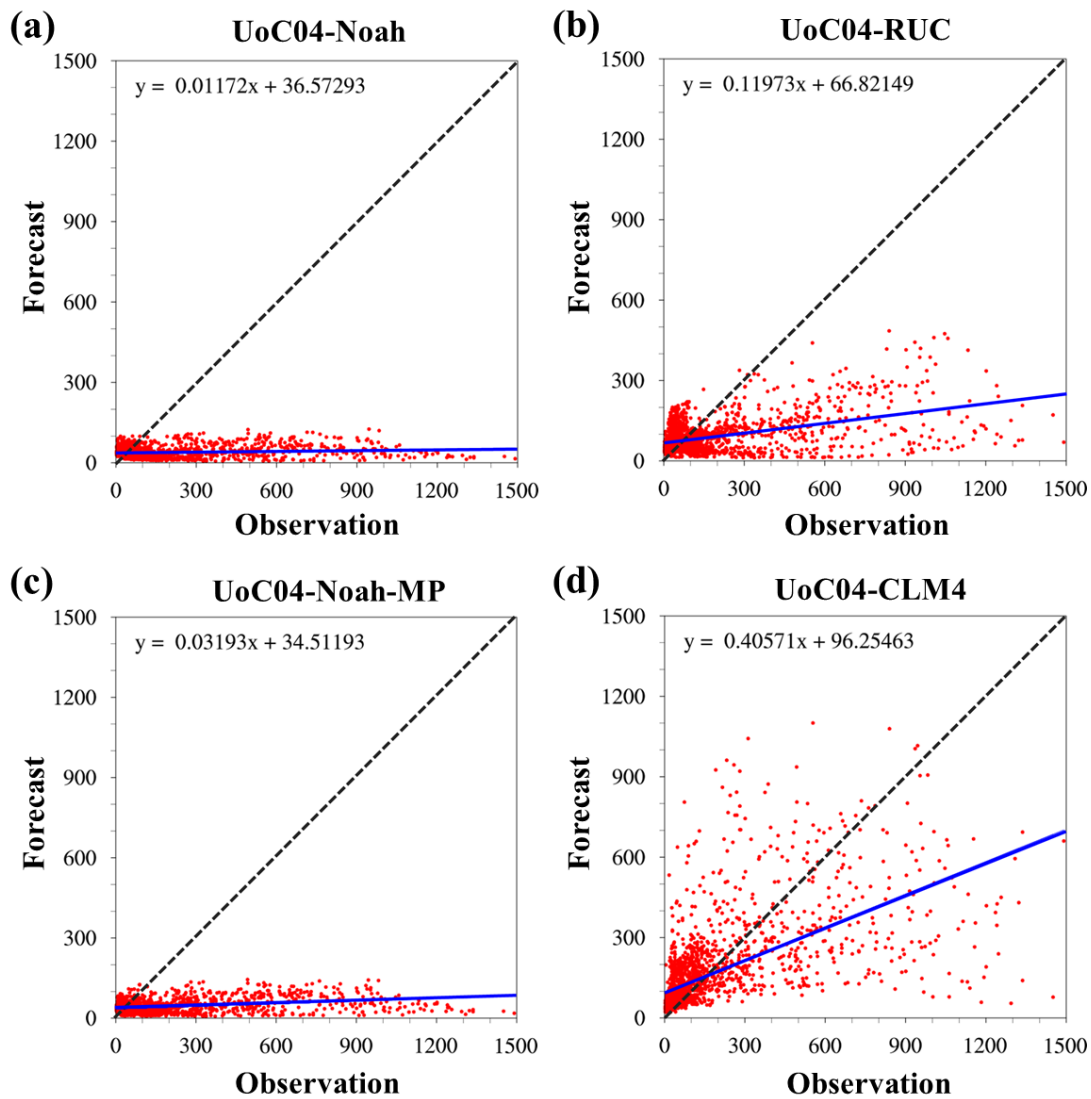


Figure S3: Same as in Fig. 5 but for PM10 concentration, using UoC04-based combinations: (a) UoC04-Noah, (b) UoC04-RUC, (c) UoC04-Noah-MP, (d) UoC04-CLM4.

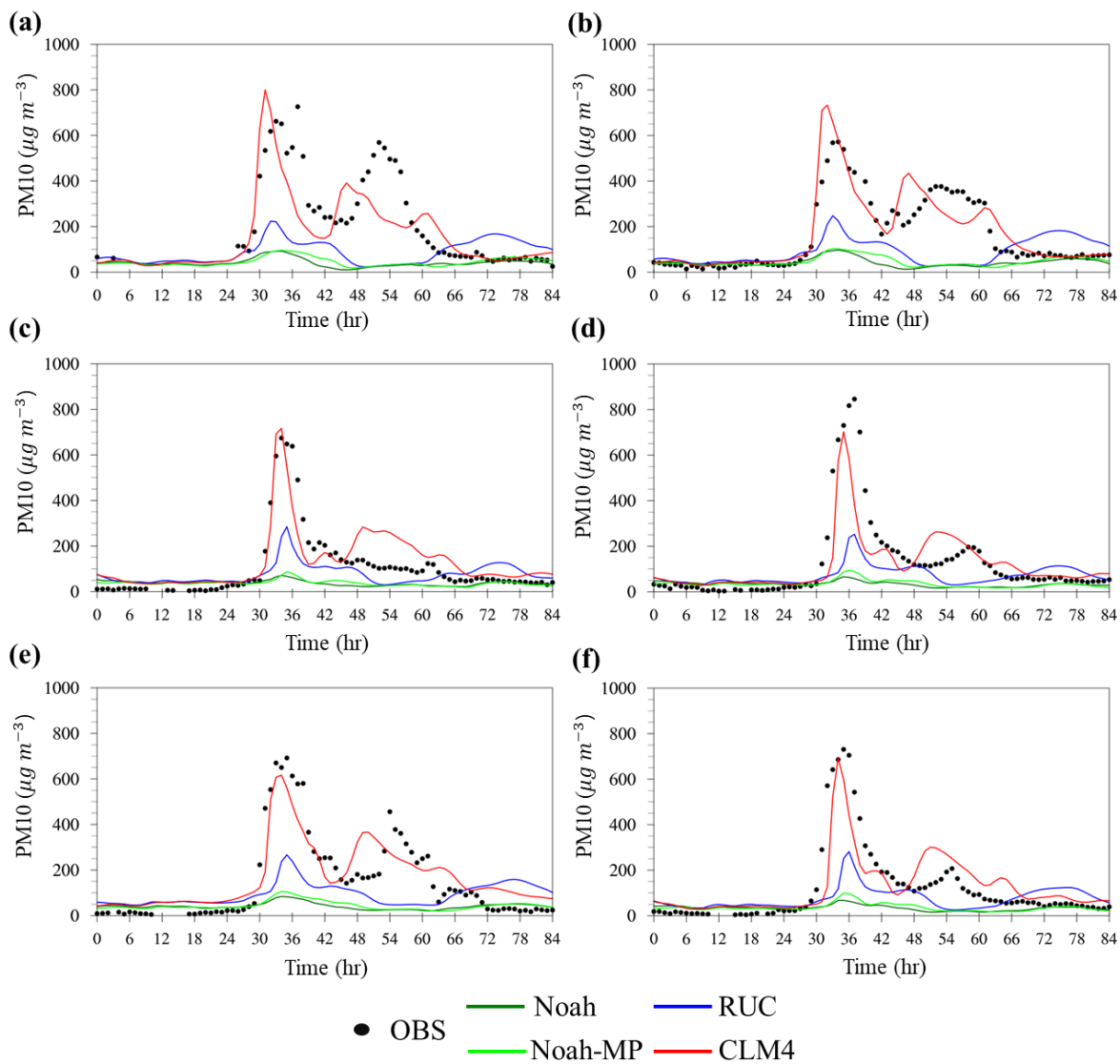


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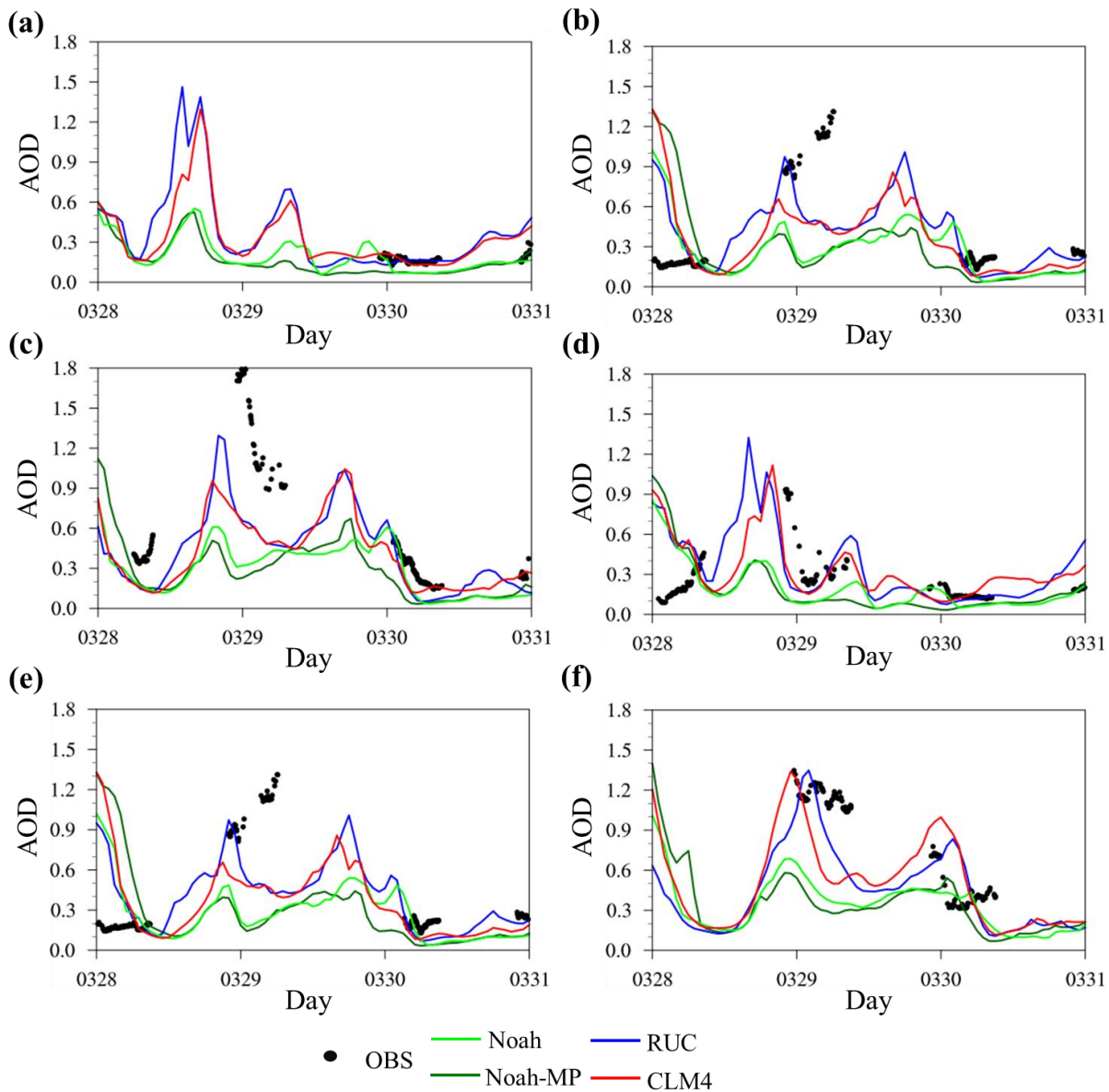


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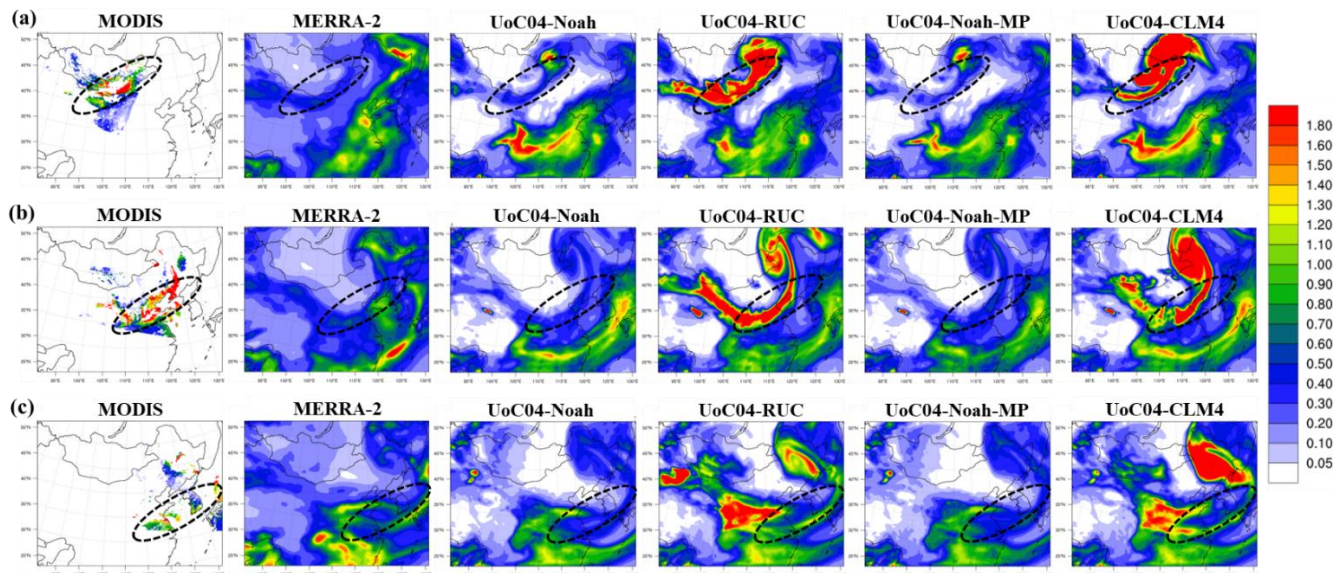


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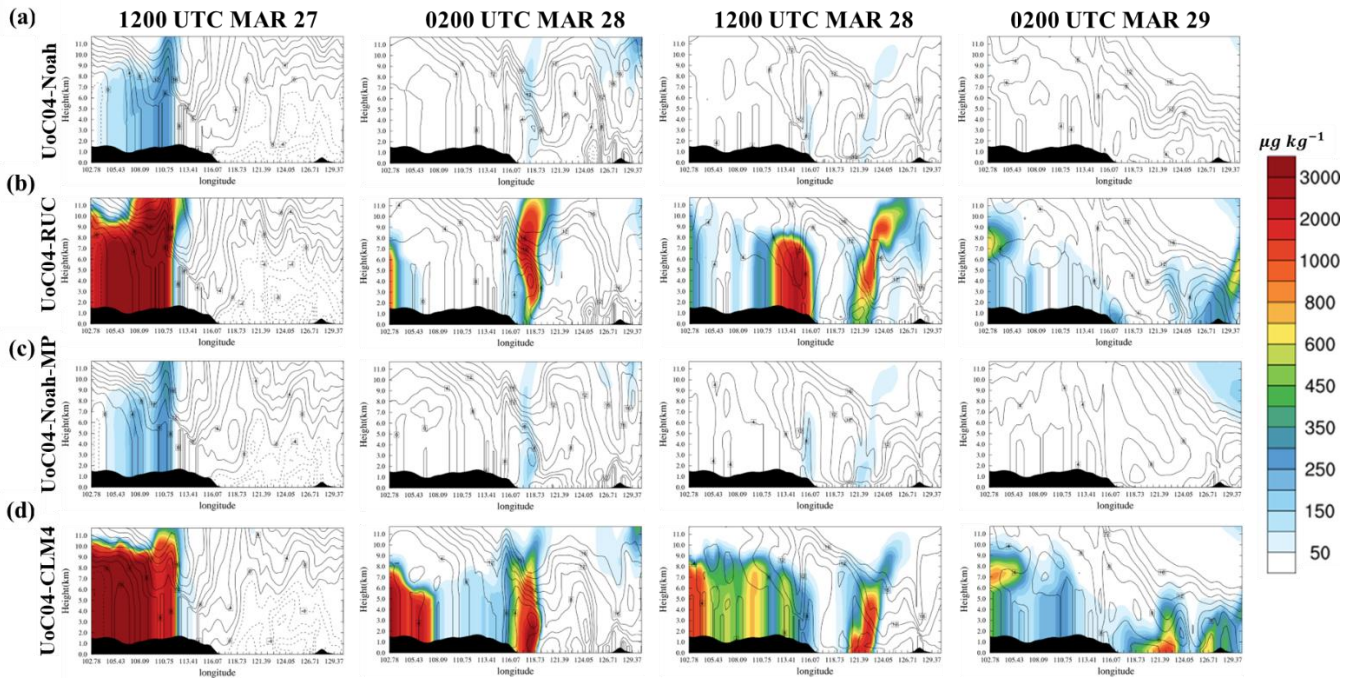


Figure S7: Same as in Fig. 11 but for the combinations of all land surface schemes and UoC04---(a) UoC04-Noah, (b) UoC04-RUC, (c) UoC04-Noah-MP, (d) UoC04-CLM4.