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Modeling the Influence of Upstream Land–Atmosphere Coupling on the 2017

Persistent Drought over Northeast China

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Supplementary Material for

Modeling the Influence of Upstream Land-atmosphere Coupling on the 2017

Persistent Drought over Northeast China

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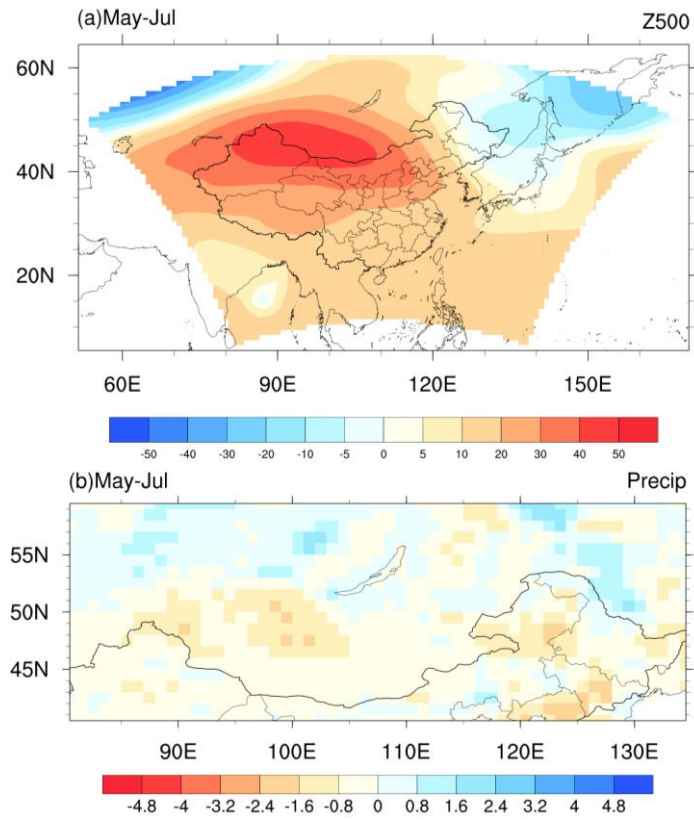


Figure S1 WRF simulated differences in May-July mean (a) geopotential height (gpm) at 500hPa and (b) precipitation (mm/day) between CTL and SENS2 simulations (CTL-SENS1) during 2017.

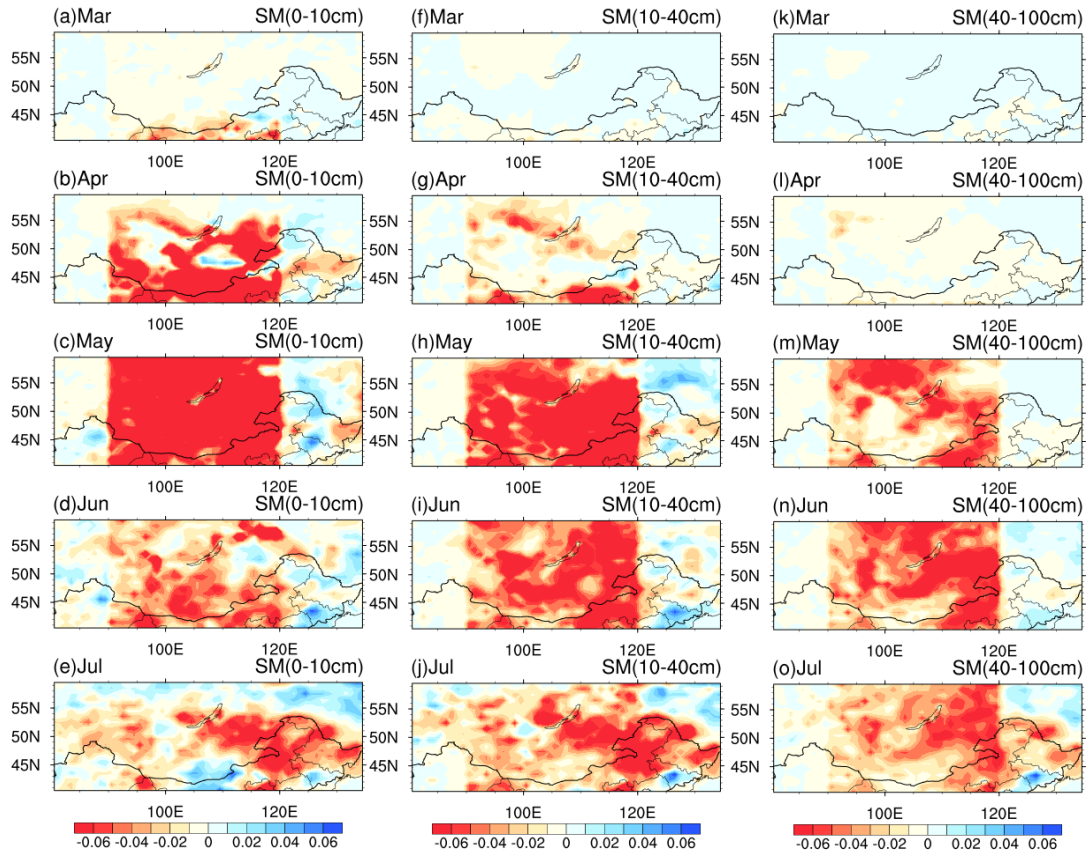


Figure S2 WRF-simulated monthly differences in soil moisture ($\text{m}^3 \text{m}^{-3}$) between CTL and SENS1 simulations (CTL-SENS1) during 2017 for various depths. (a)-(e) are for 0-10cm, (f)-(j) are for 10-40cm, and (k)-(o) are for 40-100cm.

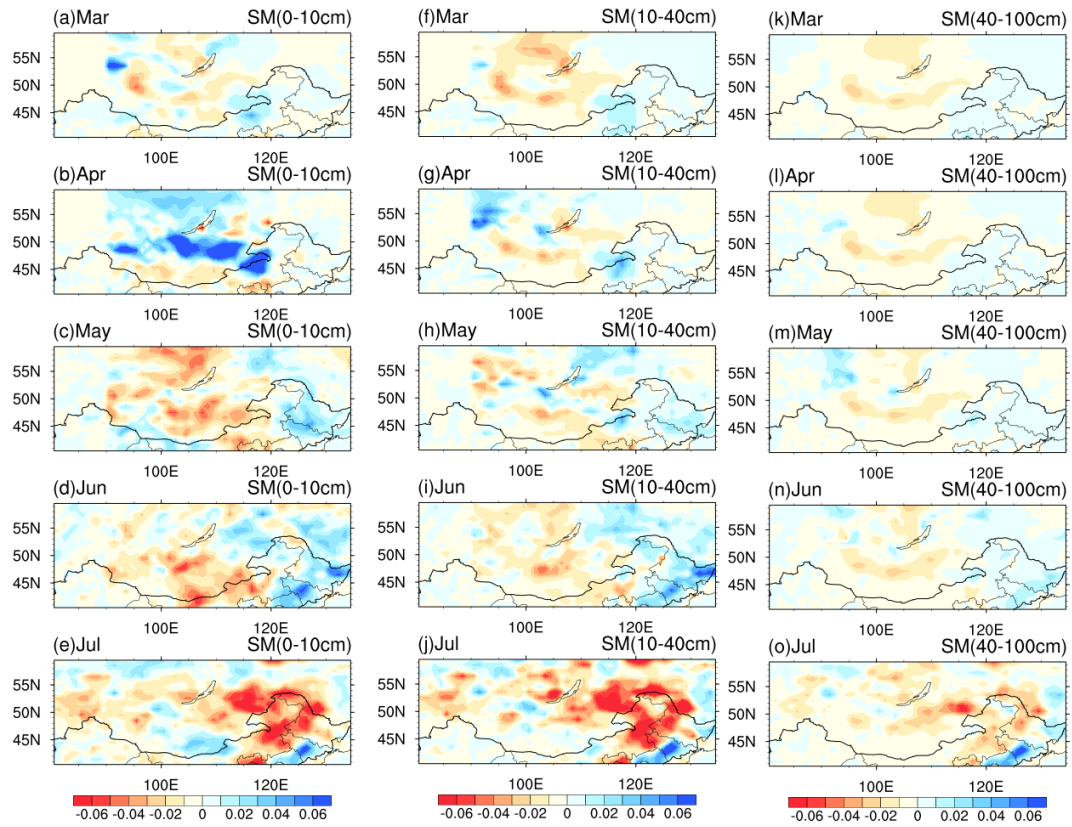


Figure S3 WRF-simulated monthly differences in soil moisture ($\text{m}^3 \text{m}^{-3}$) between CTL and SENS2 simulations (CTL-SENS2) during 2017 of various depths. (a)-(e) are for 0-10cm, (f)-(j) are for 10-40cm, and (k)-(o) are for 40-100cm.