

Supplementary Material for manuscript “On the robustness of the weakening effect of anthropogenic aerosols on the East Asian summer monsoon with multi-models results”

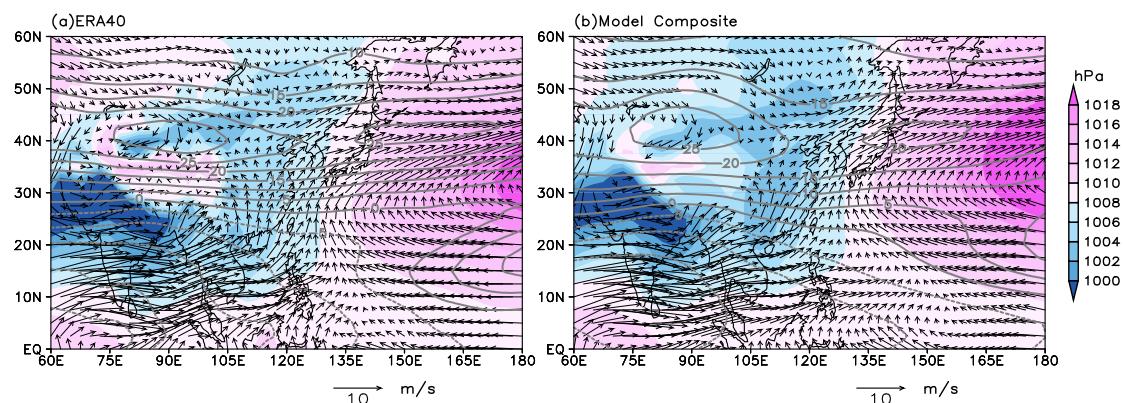


FIGURE S1: Climatology of summer (JJA) wind at 850 hPa (units: m/s, vector), zonal wind at 200 hPa (units: m/s, contour) and sea level pressure (units: hPa, shaded) as derived from (a) the ERA40 data for the period 1971-2000 and (b) the ensemble mean of multi-models for 30 years.

TABLE S1: Spatial Correlation coefficients of summer wind at 850 hPa, zonal wind at 200 hPa and sea level pressure between the ERA40 and the models’ outputs

Model	U850	V850	U200	SLP
BCC-CSM1.1	0.87	0.70	0.96	0.92
CanESM2	0.93	0.83	0.98	0.79
CSIRO-Mk3.6.0	0.82	0.75	0.94	0.80
FGOALS-s2	0.87	0.78	0.97	0.91
GFDL-CM3	0.82	0.82	0.97	null
HadGEM2-A	0.91	0.85	0.96	0.80
IPSL-CM5A-LR	0.88	0.79	0.90	0.73
MIROC5	0.94	0.85	0.95	0.93
MRI-CGCM3	0.81	0.78	0.95	0.86
NorESM1-M	0.89	0.75	0.96	0.91

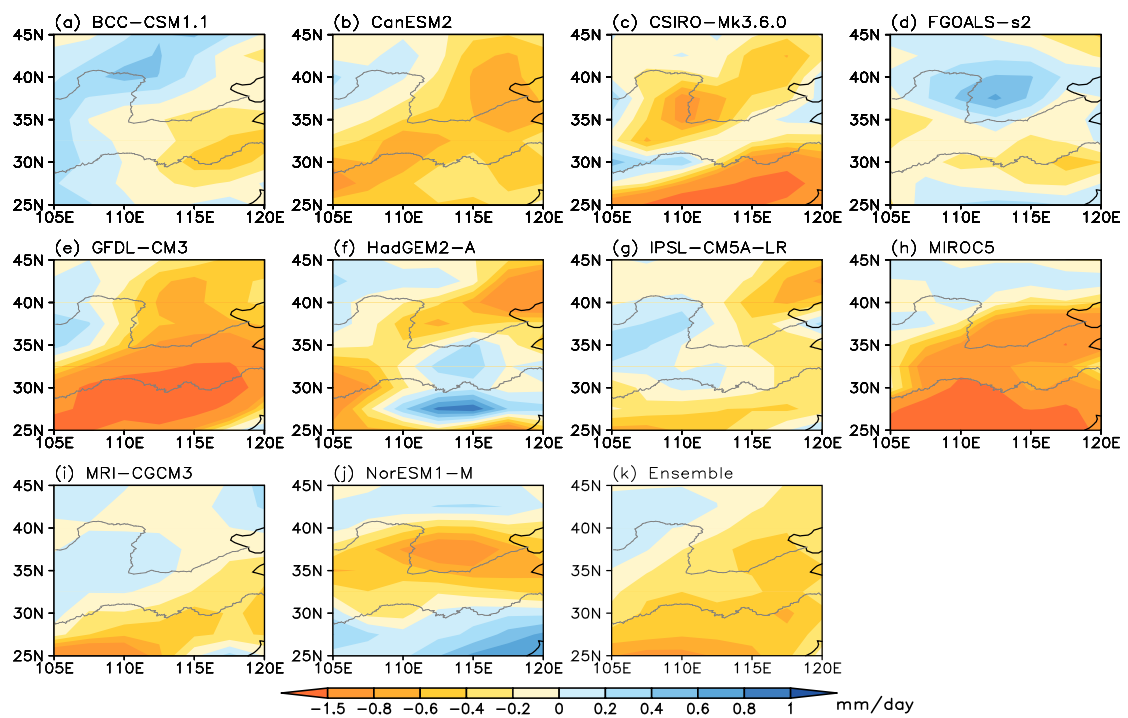


FIGURE S2: Difference of summer (JJA) precipitation between the Aerosol run and the CTL run (Aerosol run minus CTL run) in each model and the ensemble mean of multi-models for 30 years over the study region in East China.