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Supplement of

Impacts of different plant functional types on ambient ozone predictions in the Seoul Metropolitan Areas (SMAs), Korea

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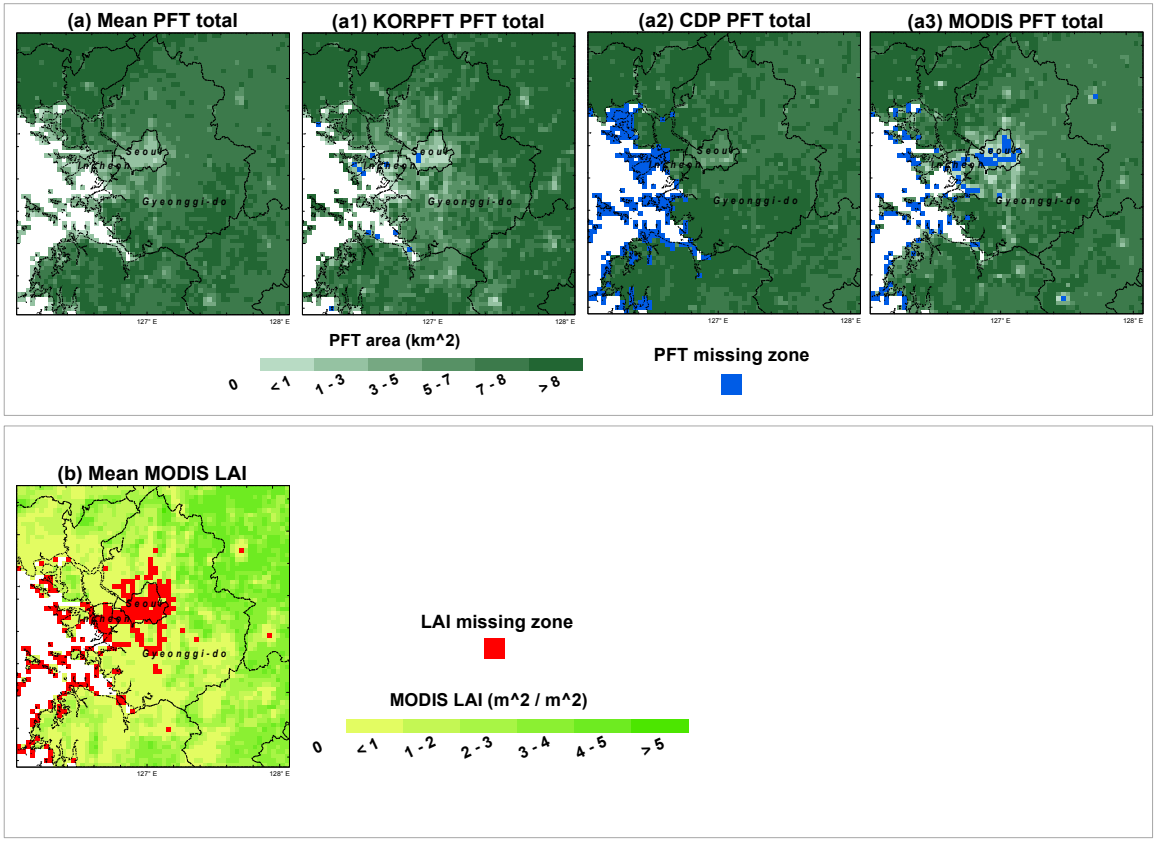

Figure S1. Spatial distribution of the PFT area for each PFT scenario and MODIS LAI. The mean spatial distributions for PFT total (i.e. sum of BT, NT, SB and HB areas) were derived by averaging the three different distribution data sources (i.e., KORPFT, CDP and MODIS). The mean MODIS LAI spatial distributions were derived by averaging the raw MODIS LAI values for the consecutive period of April to July 2008. It should be noted that the MODIS LAI values shown at Fig. S1(b) is not the LAIv values.

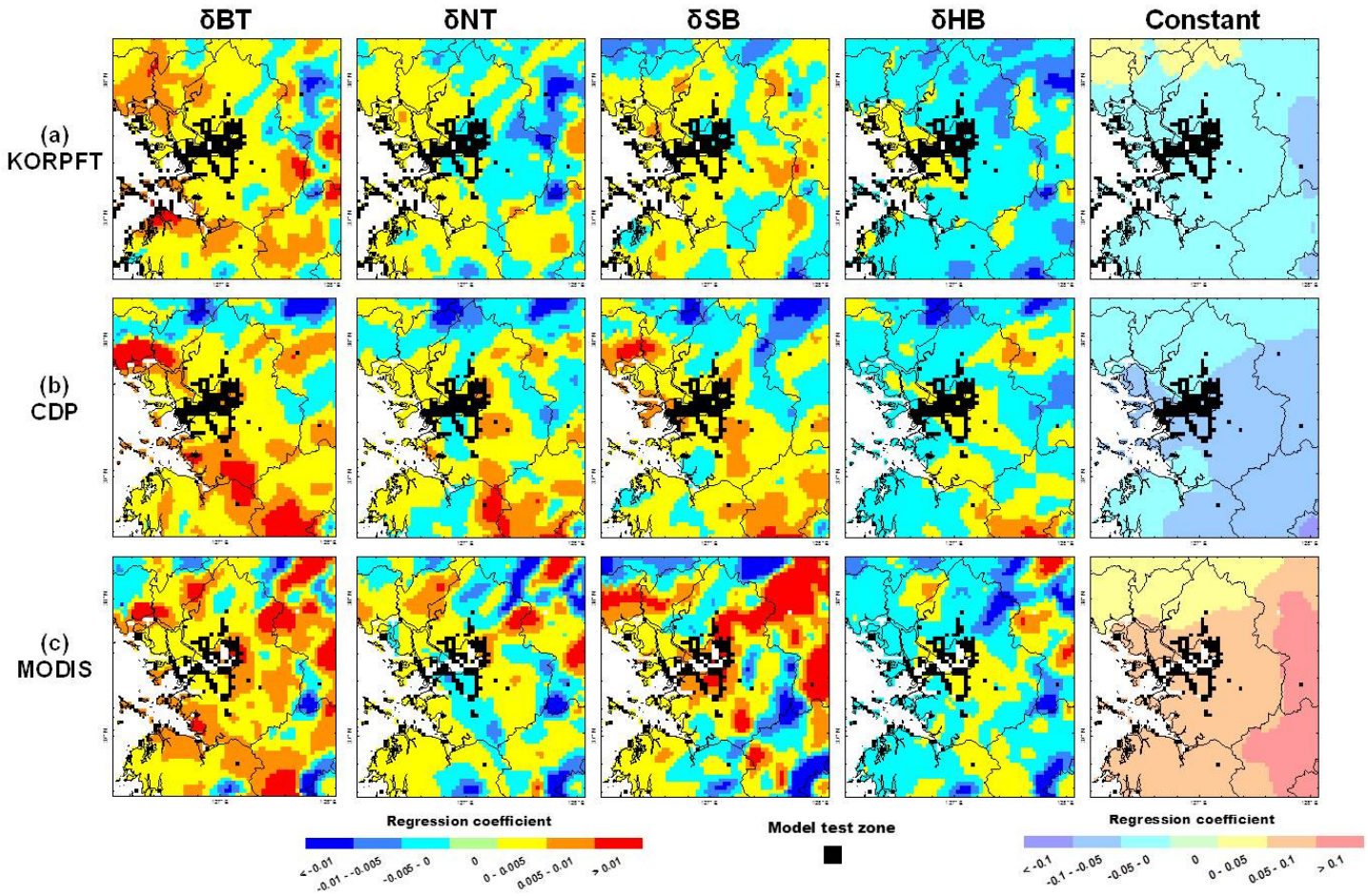

Figure S2. Spatial distribution of the LCR-GWR parameter estimates in the study domain. At the black squared zones the OLS and LCR-GWR models were assessed (in Sect 3.5).

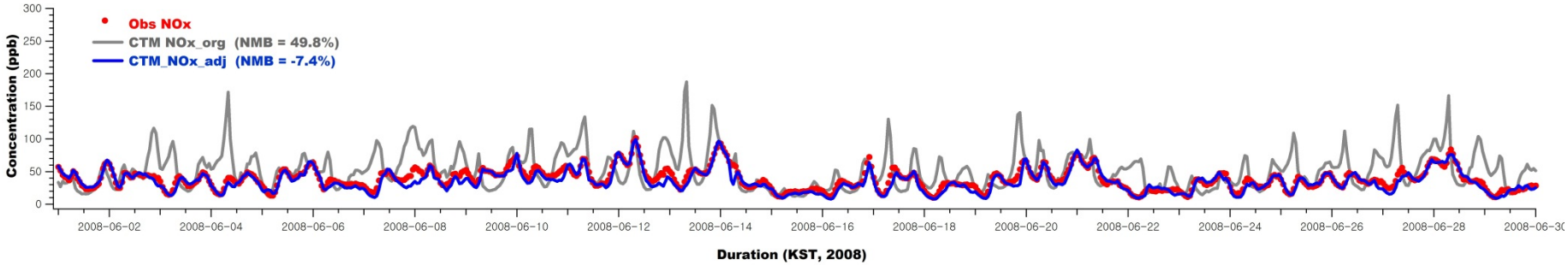

Figure S3. Time series of NOx concentrations for observation (Obs NOx), CMAQ simulation with original input (CTM_NOx_org) and CMAQ simulation with adjusted inputs (CTM_NOx_adj).

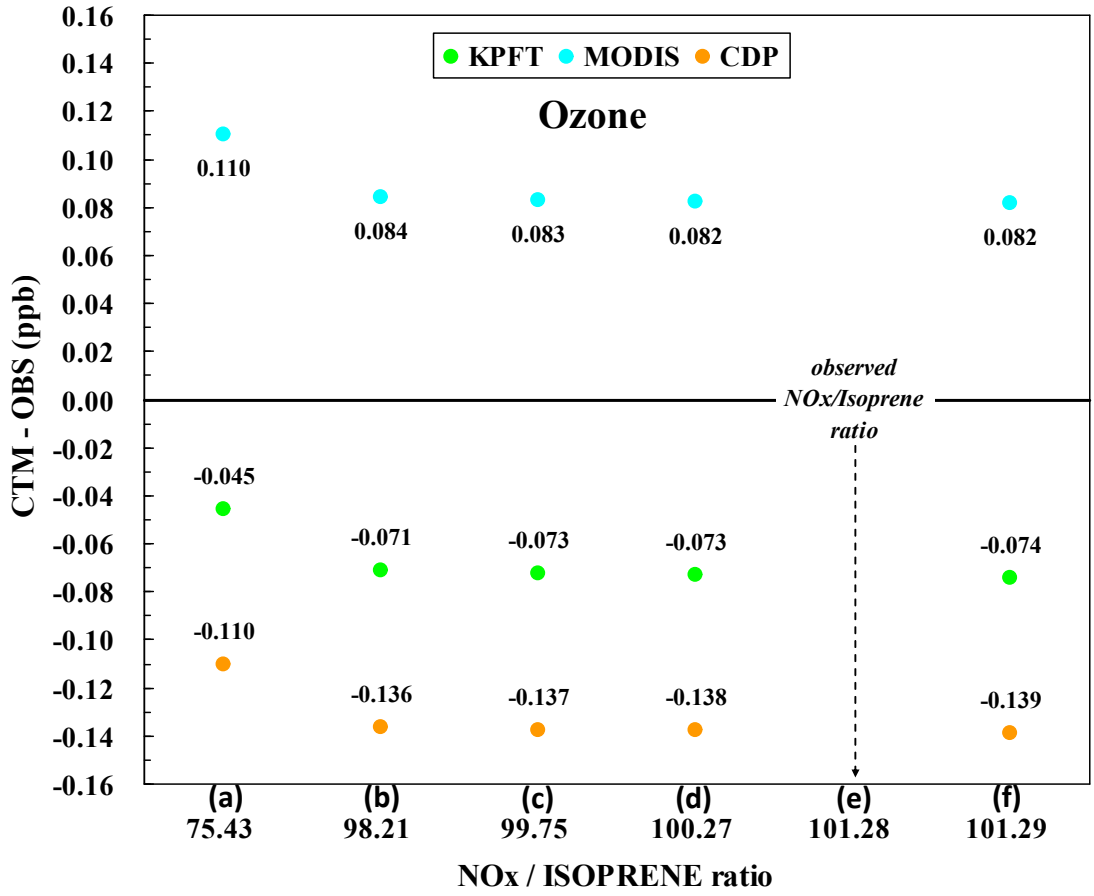

Figure S4. Change in the mean bias (MB) value of O3 by change in NOx/isoprene ratio.