



## Supplement of

## Climatological study of the Boundary-layer air Stagnation Index for China and its relationship with air pollution

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## **Figure Captions**

Figure S1. Averaged daily maximum ventilation in spring (a), summer (b), autumn (c), and winter (d) during 1985–2014.

Figure S2. Averaged precipitation in spring (a), summer (b), autumn (c), and winter (d) during 1985–2014.

Figure S3. Averaged value of CAPE\_CIN in spring (a), summer (b), autumn (c), and winter (d) during 1985–2014.

Figure S4. Averaged boundary-layer stagnant days in spring (a), summer (b), autumn (c), and winter (d) during 1985–2014.



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Figure S3. Averaged value of CAPE\_CIN in spring (a), summer (b), autumn (c), and winter (d) during 1985–2014.



Figure S4. Averaged boundary-layer stagnant days in spring (a), summer (b), autumn (c), and winter (d) during 1985–2014.