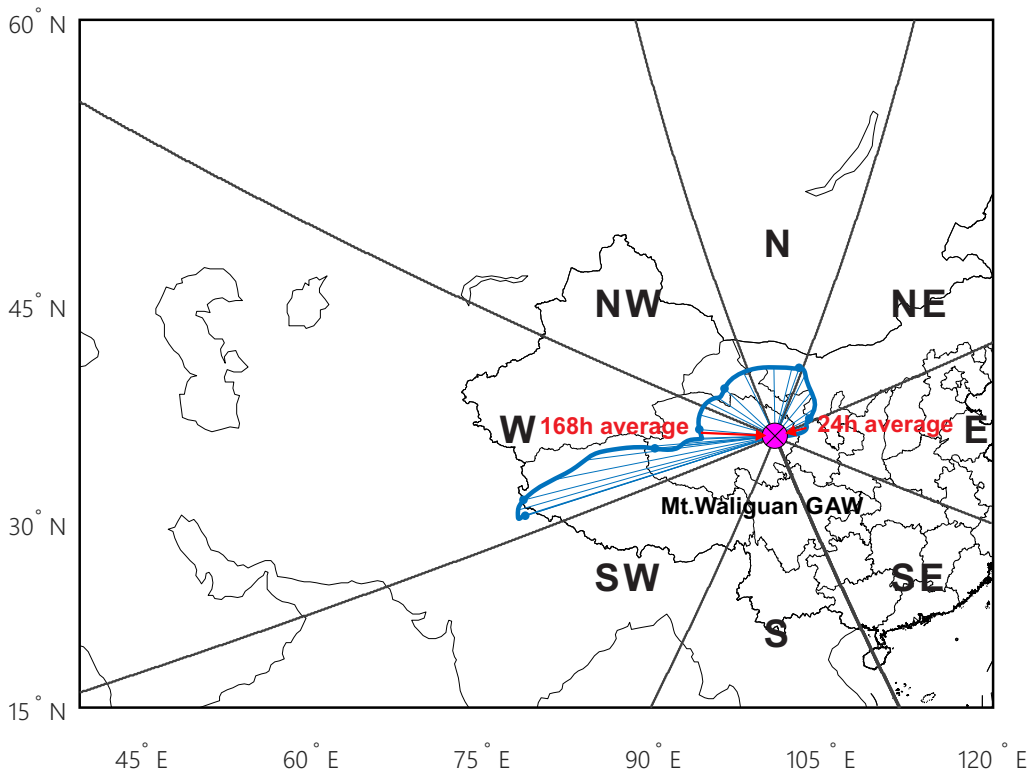Atmospheric
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Supplement of

Long-term trends of surface ozone and its influencing factors at the Mt Waliguan GAW station, China – Part 2: The roles of anthropogenic emissions and climate variability
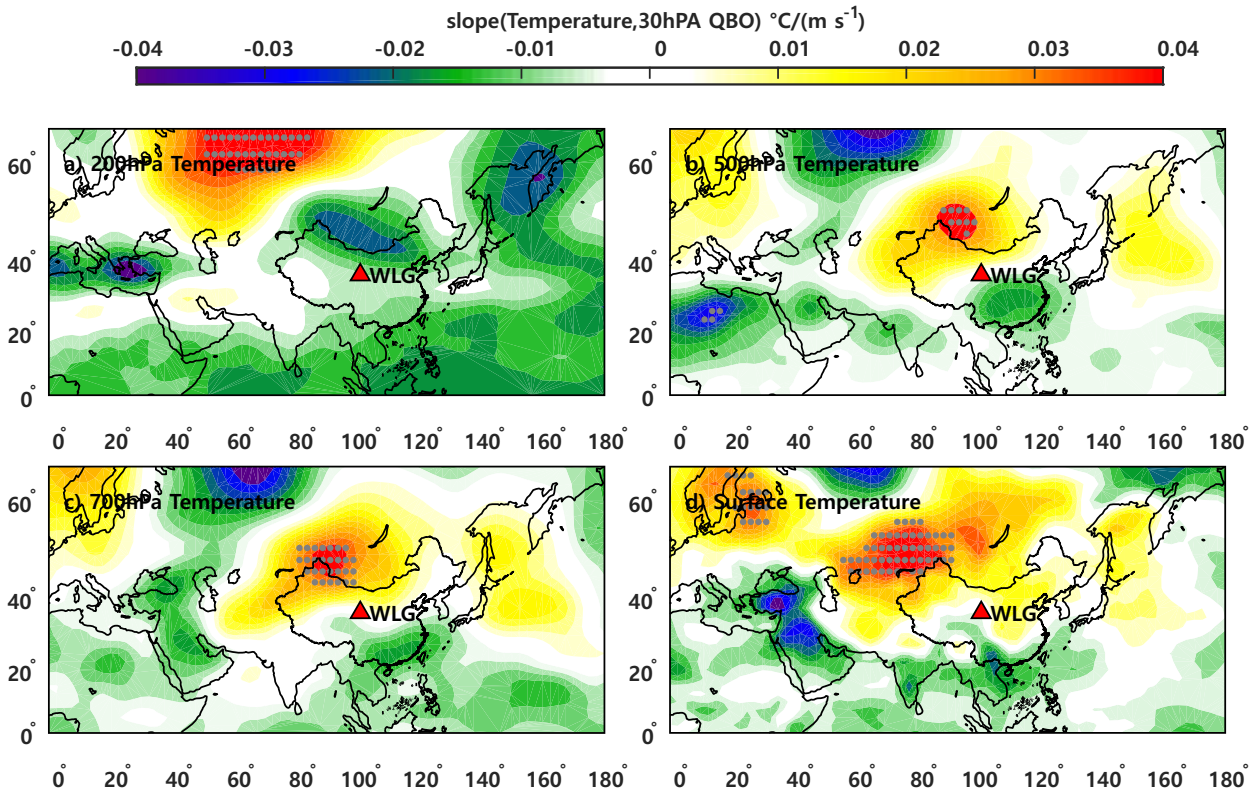
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5 Figure S1 Schematic showing an example of the calculation process of 24h and 168h average trajectory directions and the 45-bins the trajectories were clustered into. The blue line shows a 7day trajectory example that bends from W to E, accounting for all the 168 hours, the average direction is westerly, while accounting only for the first 24 hours, the direction is easterly.

Figure S2 Regression slopes for the correlations between the QBO index and air temperatures at 200 hPa (a), 500 hPa (b), 700 hPa (c) and surface (d), with grey dots indicating the that are significantly correlated (p<0.05). The red triangles indicate the position of WLG.
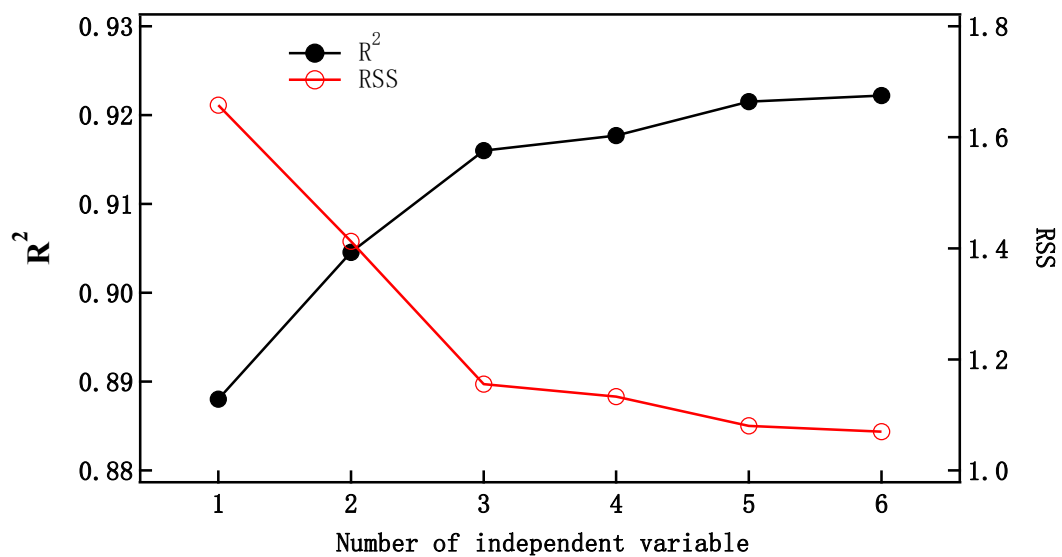
Figure S3 Changes of the coefficient of determination (R^2) and residual sum of squares (RSS) after each step of the multivariate regression.

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