

Supplement for

A foundation diagnostic framework reveals more frequent yet spatially shrinking local atmospheric circulations over plateau-basin regions

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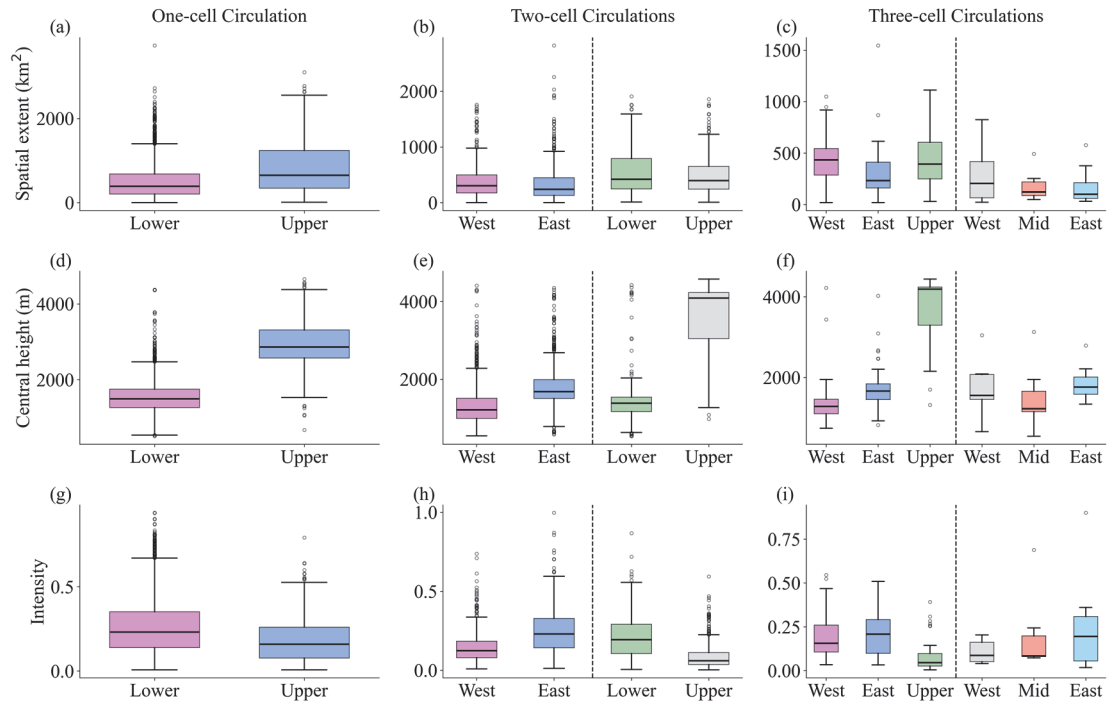


Figure S1. Box plots of the spatial extent, central height, and intensity associated with each circulation among one, two, and three local atmospheric circulations during the nighttime. The boxes and bars represent percentiles (25th (bottom of the box), 50th (median), 75th (top of the box), maximum value (the upper bar), and minimum value (the lower bar)) of the metrics.

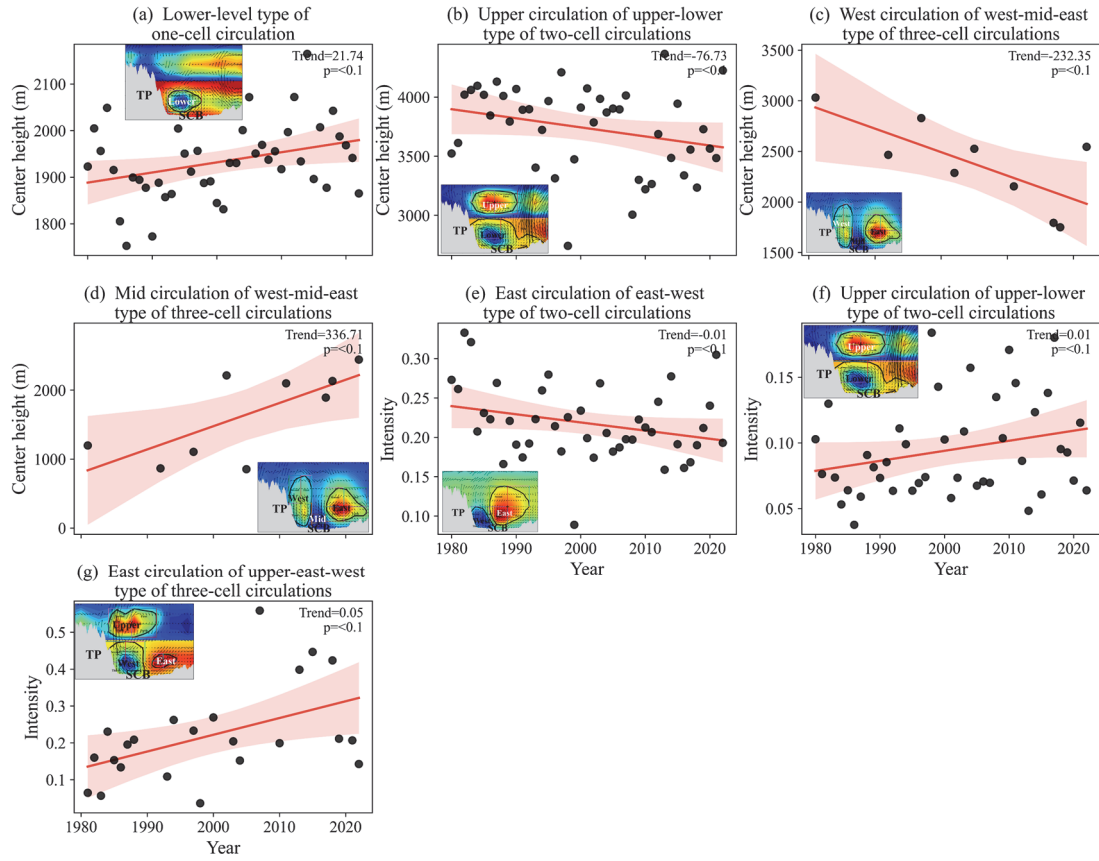


Figure S2. Long-term changes in the central height and intensity of each cell of the three types of local atmospheric circulations during the daytime. The straight line indicates the corresponding linear trend. The red shading indicates the 95% confidence interval of the fitted line. The estimates of the slope and P values for the trend analysis are given in the upper right corner of each figure.

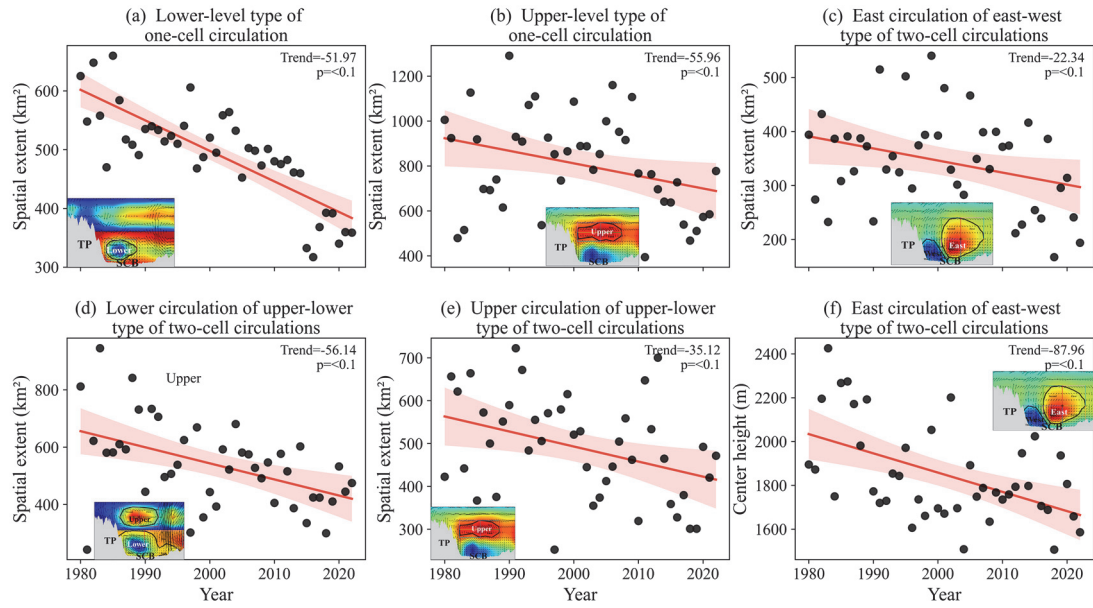


Figure S3. Long-term changes in the spatial extent and central height of each cell of the three types of local atmospheric circulations during the nighttime. The straight line indicates the corresponding linear trend. The red shading indicates the 95% confidence interval of the fitted line. The estimates of the slope and P values for the trend analysis are given in the upper right corner of each figure.