Figure S1. The wind speed and relative humidity time series at the locations of the five AWSs shown in Figure 4a during January 2016 from AWS observations (black line) and AMPS (red line).

Figure S2. (a) Total cloud fraction anomalies, (b) downward long-wave radiation anomalies at the surface and (c) downward short-wave radiation anomalies at the surface, from 10 to 14 January 2016 based on CERES SYN1deg Ed4A daily data. The baseline for these variables is the average January mean from 2001 to 2018.