1	Supporting Information for
2	Impacts of tropical cyclone-heatwave compound events on surface ozone in eastern China:
3	Comparison between the Yangtze River and Pearl River Deltas
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Figure S1. Spatial distributions of ground-level MDA8 ozone concentration anomalies averaged
for TC-HDs compared to those during the periods of TC occurring alone. YRD and PRD regions
are outlined in black boxes in panel.





Figure S2. The tracks and intensity of tropical cyclones observed during the AHDs period.





Figure S3. (a) Spatial distributions of observed ground-level MDA8 ozone concentration anomalies during TC-HDs relative to the summer climatology. (b) Spatial distribution of simulated ground-level MDA8 ozone concentration anomalies during the TC-HDs relative to the summer climatology. (c) Spatial distributions of observed ground-level MDA8 ozone concentration anomalies during TC-HDs relative to AHDs. (d) Spatial distribution of simulated ground-level MDA8 ozone concentration anomalies during the TC-HDs relative to the AHDs. YRD and PRD regions are outlined in black boxes in each panel.





Figure S4. Spatial distributions of ground-level MDA8 ozone concentration averaged for summer

- 47 climatological period. YRD and PRD regions are outlined in black boxes in panel.



51 Figure S5. The cross-section of the wind fields and ozone concentration anomalies during the TC-

52 HDs compared to AHDs.