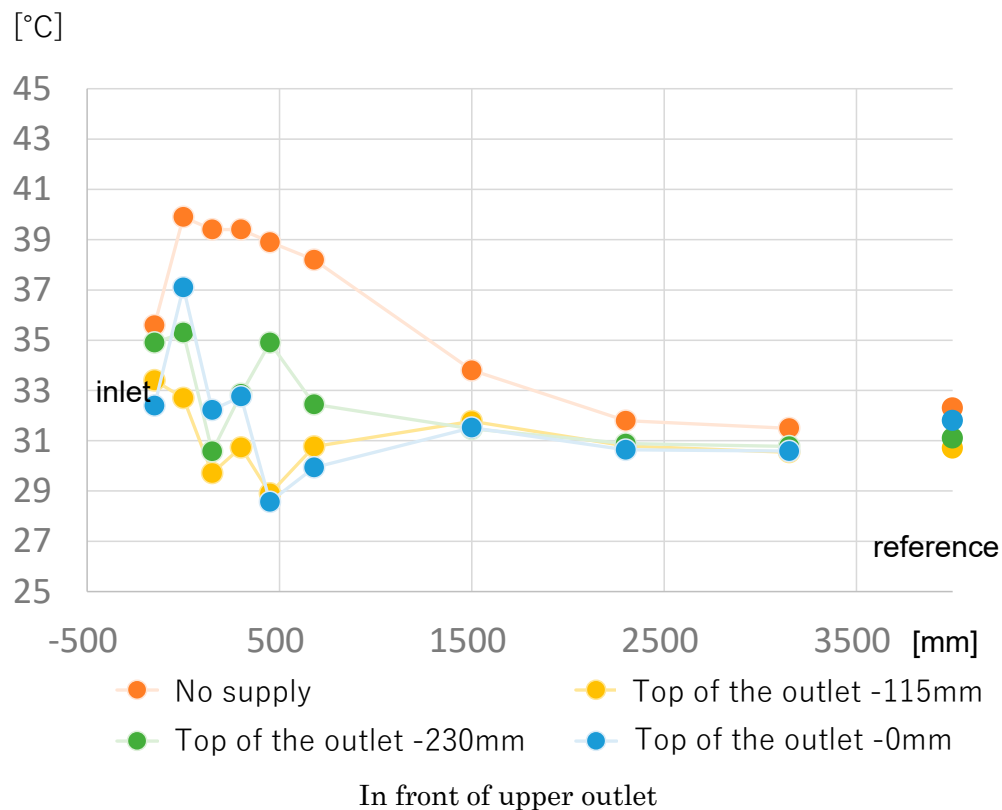




Supplementary Materials: Experimental Verification of Mist Cooling Effect in Front of Air-Conditioning Condenser Unit, Open Space, and Bus Stop

Sae Kyogoku and Hideki Takebayashi



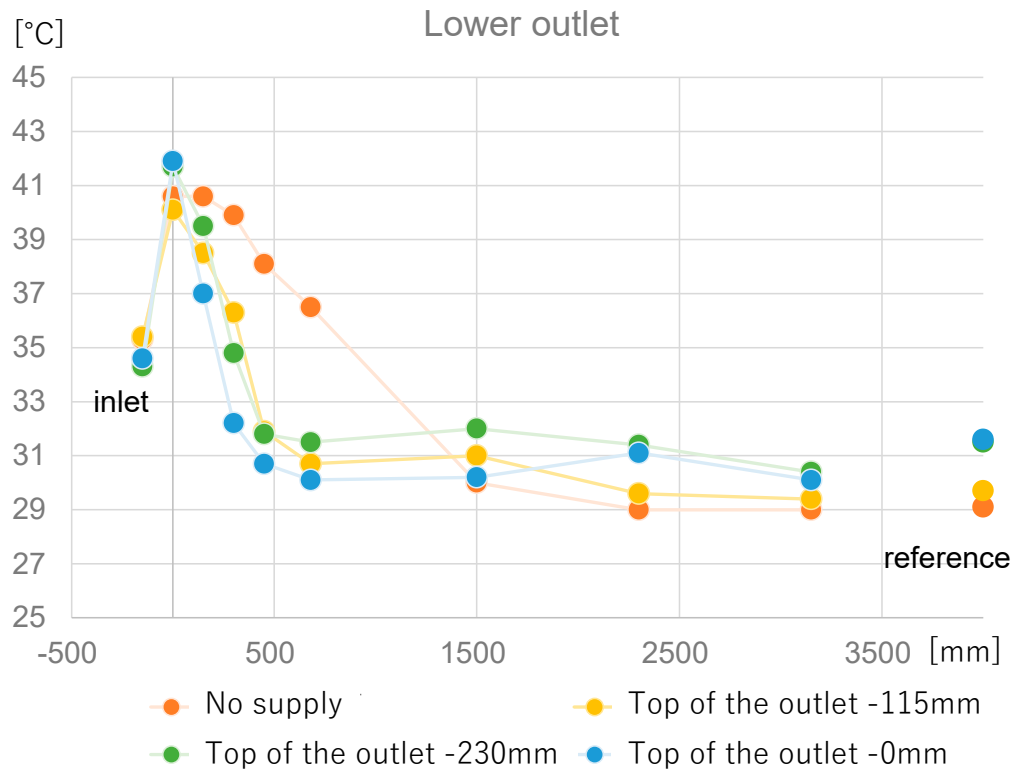
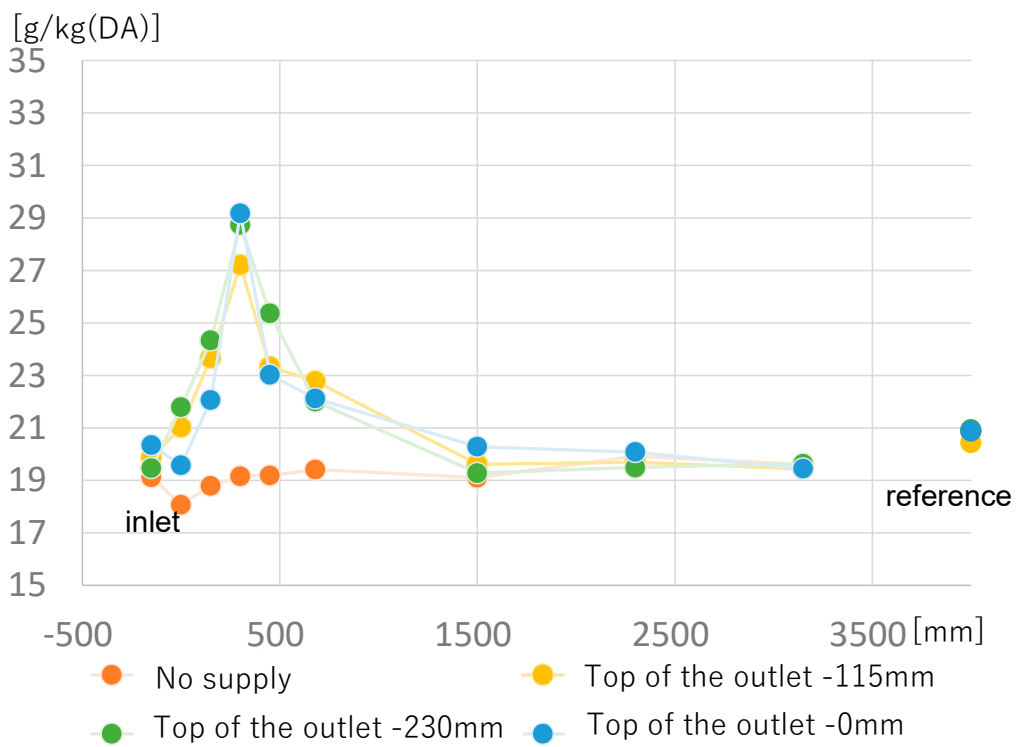
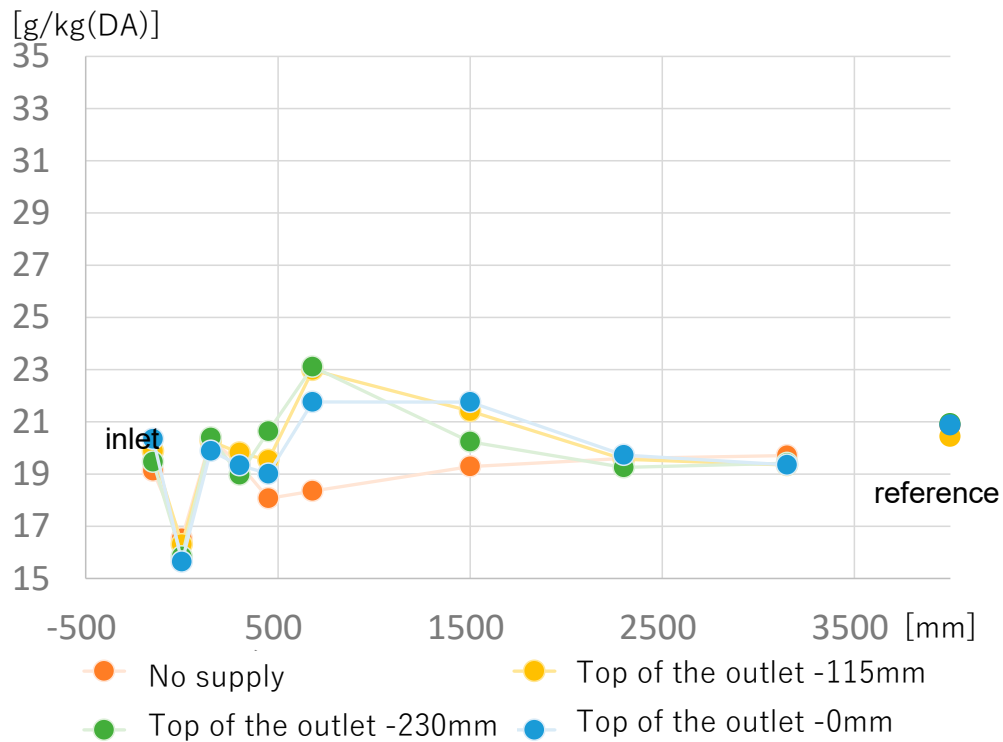


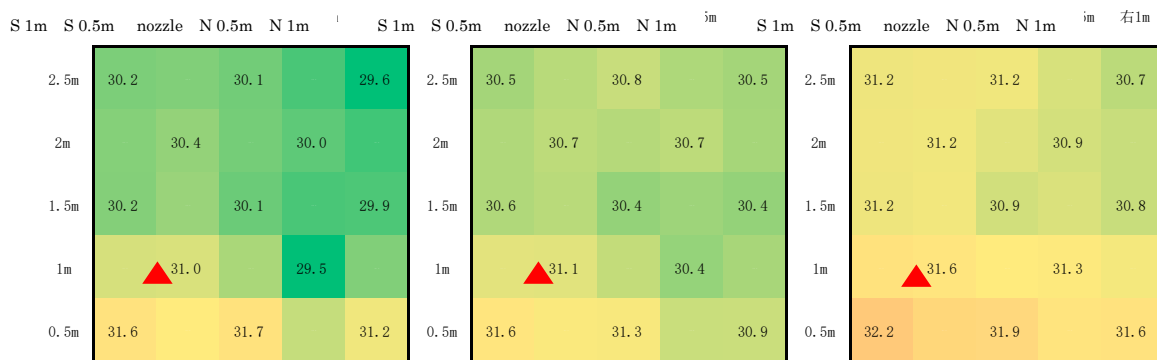
Figure S1. Measurement results of air temperature in front of air-conditioning condenser units at from 14:27 to 15:22 on August 25, 2021.



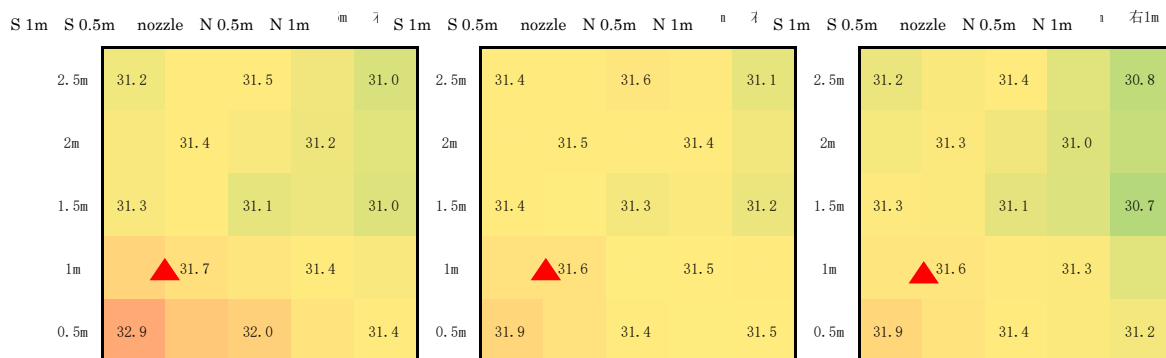


In front of lower outlet

Figure S2. Measurement results of humidity in front of air-conditioning condenser units at from 14:27 to 15:22 on August 25, 2021.



Left panel: 0.9m, center panel: 1.4m, right panel: 1.9m from nozzle



Left panel: 2.4m, center panel: 2.9m, right panel: 3.4m from nozzle

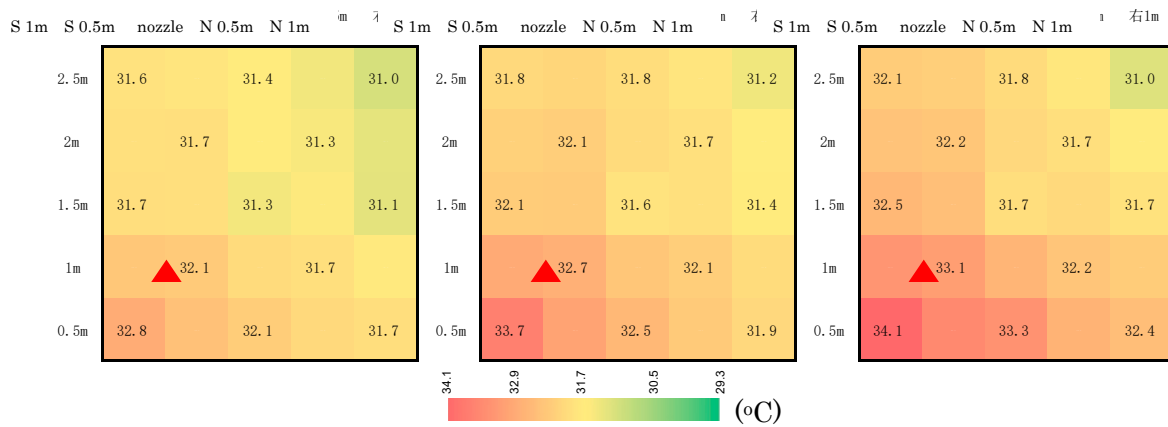
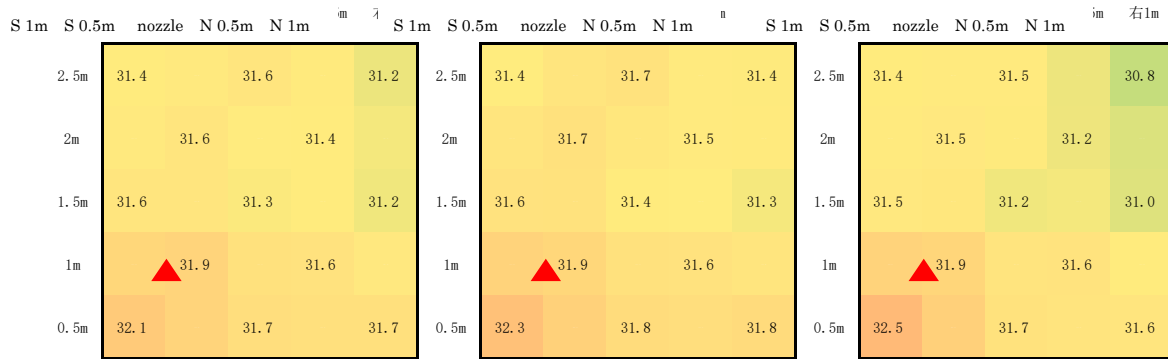
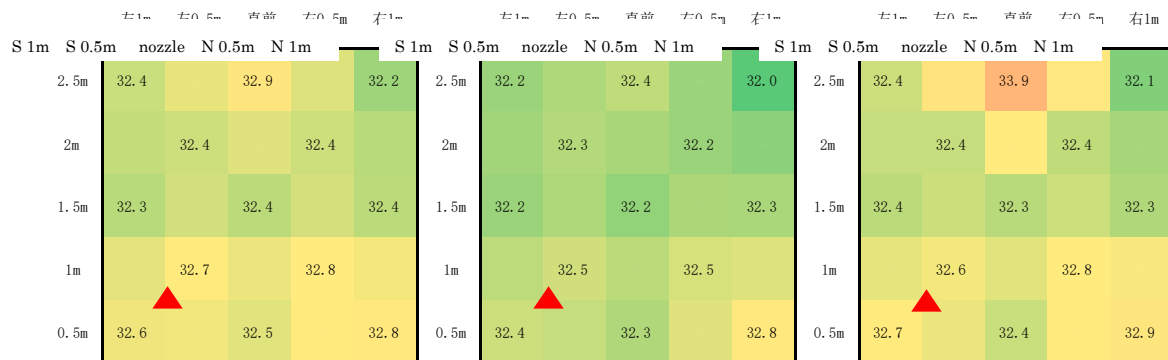
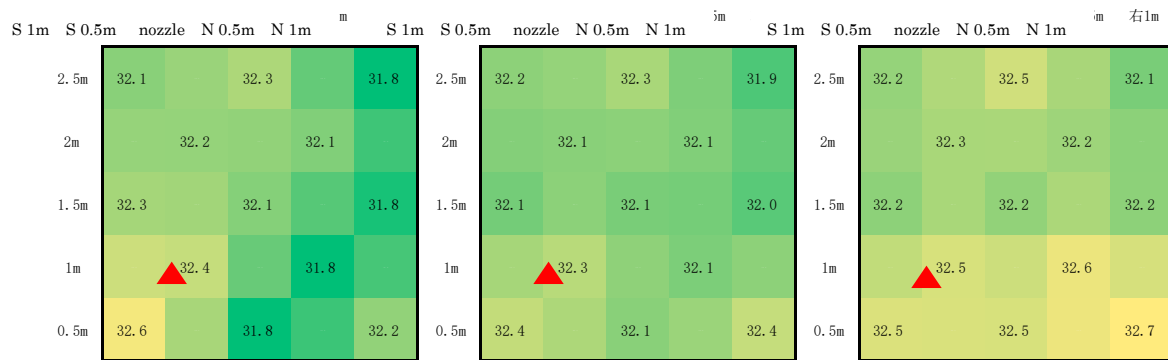


Figure S3. Vertical section of measured air temperature in a park at 10:30 (▲: nozzle position).



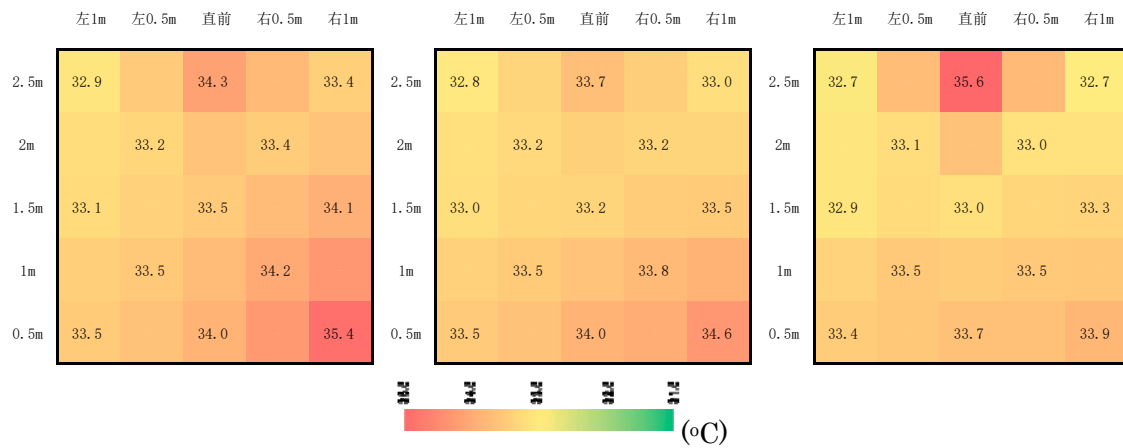
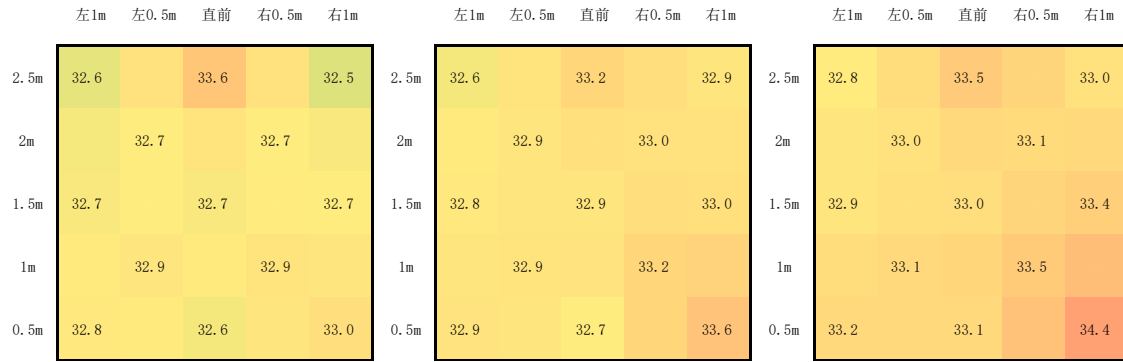
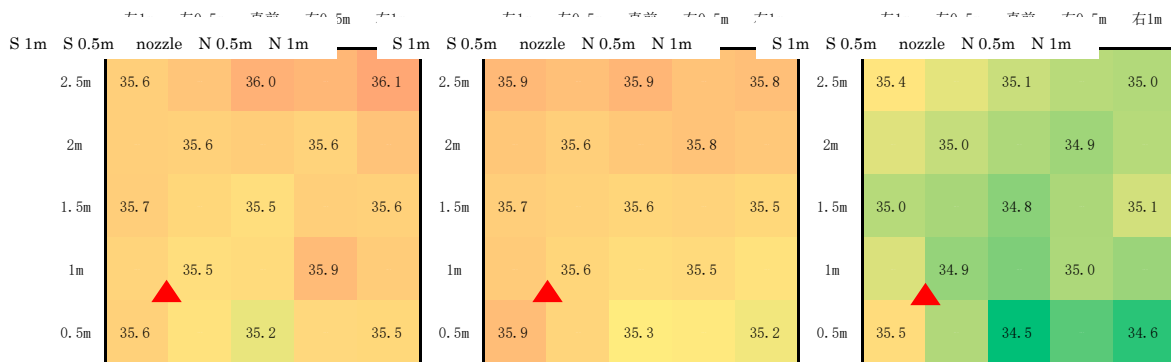
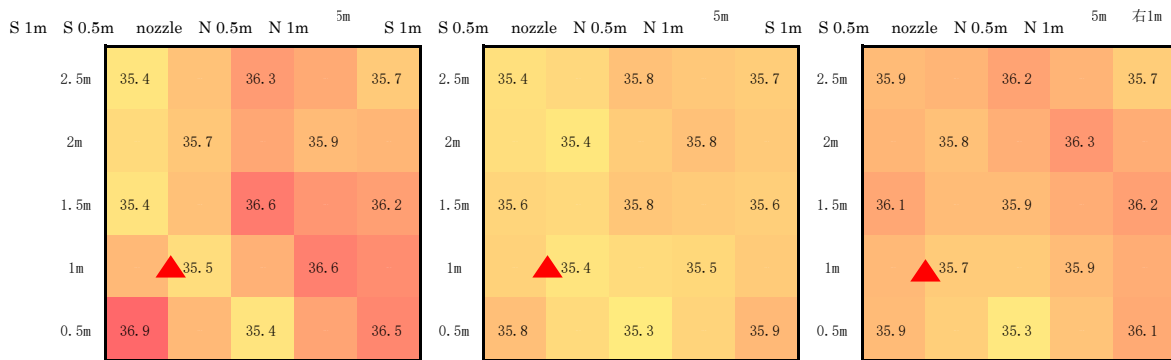
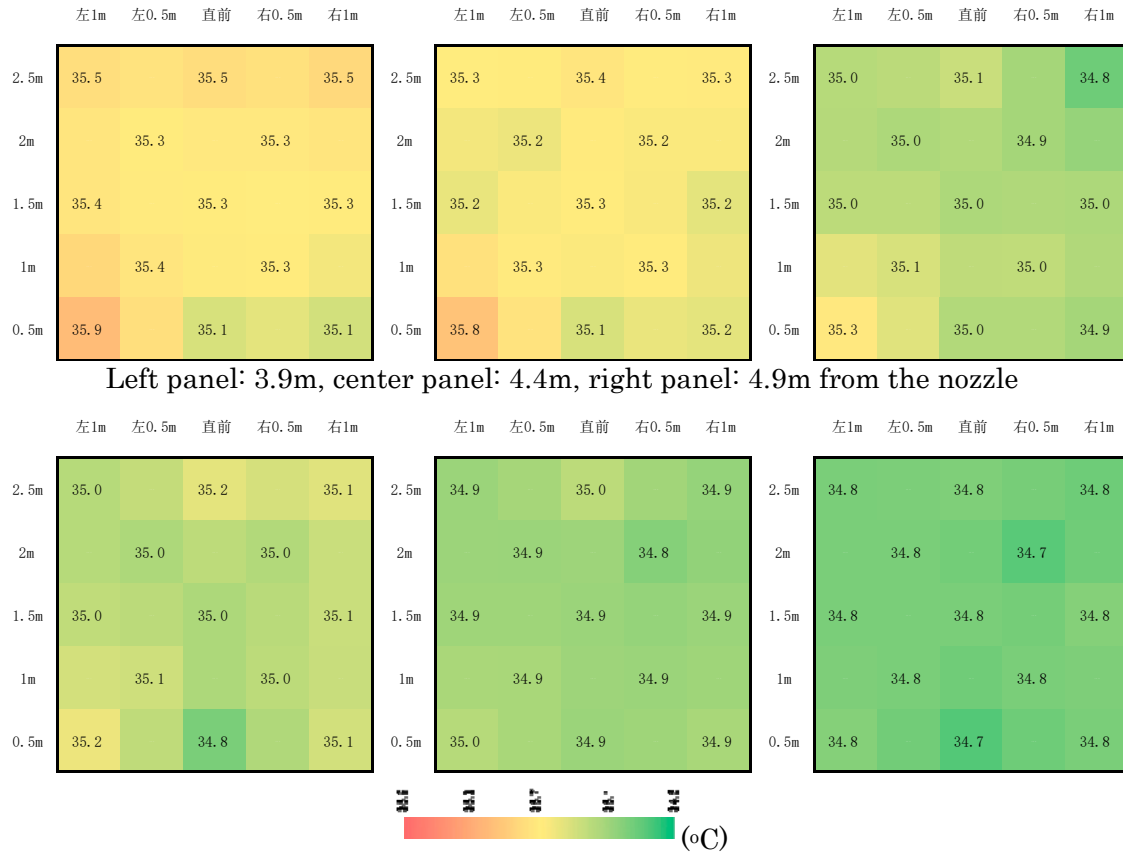


Figure S4. Vertical section of measured air temperature in a park at 13:00 (▲: nozzle position).





Left panel: 5.4m, center panel: 5.9m, right panel: 6.4m from nozzle
Figure S5. Vertical section of measured air temperature in a park at 15:10 (▲: nozzle position).

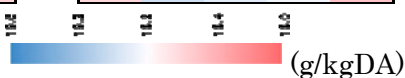
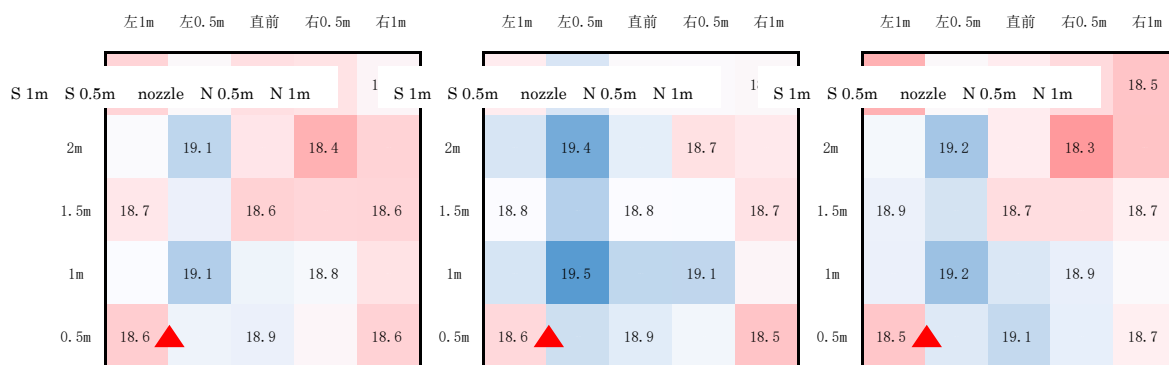
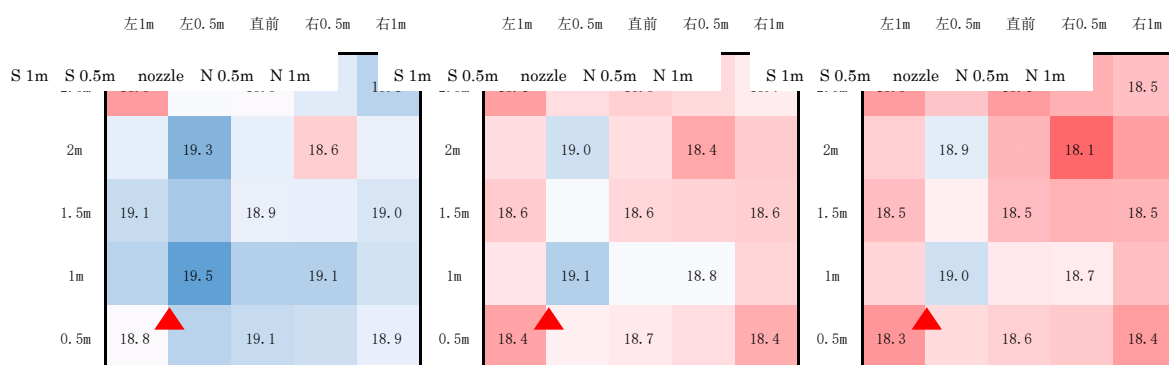
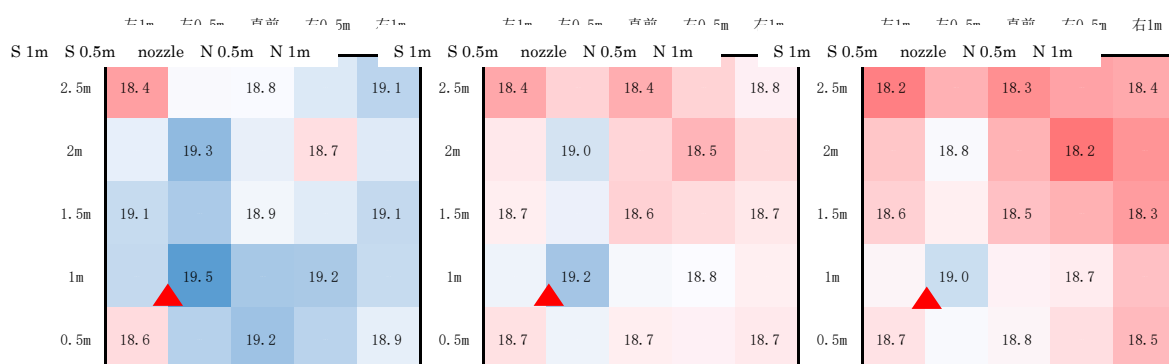
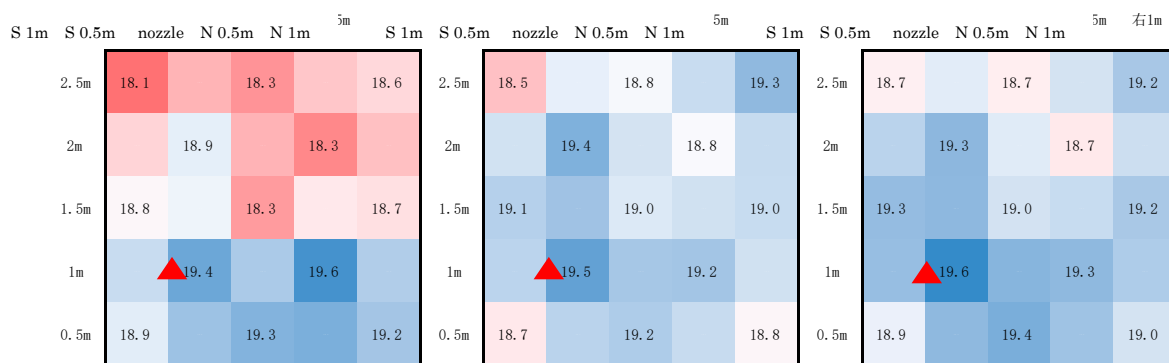
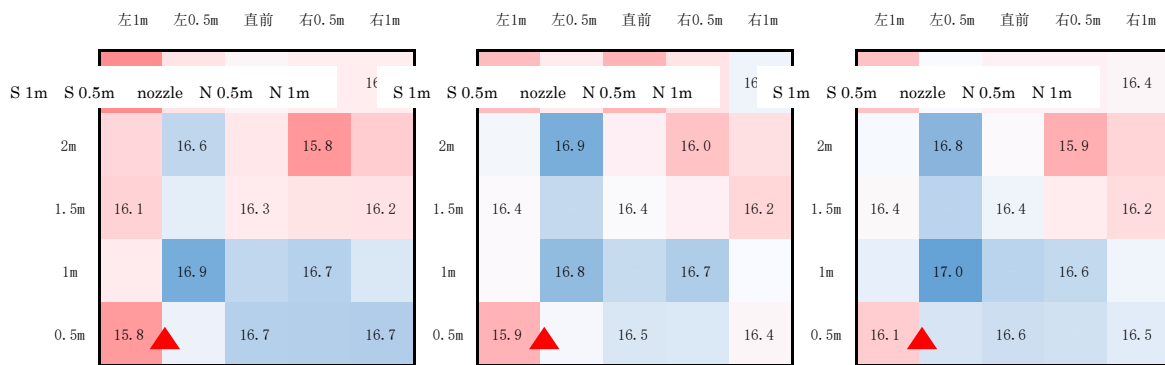
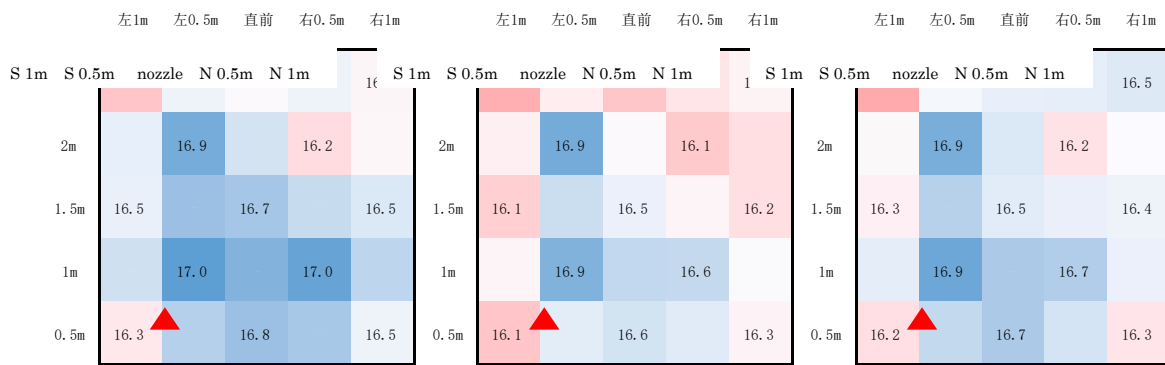
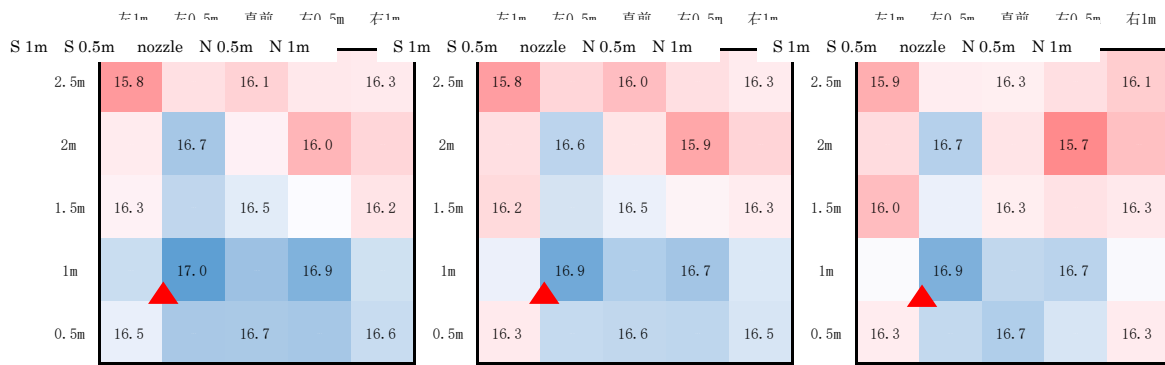
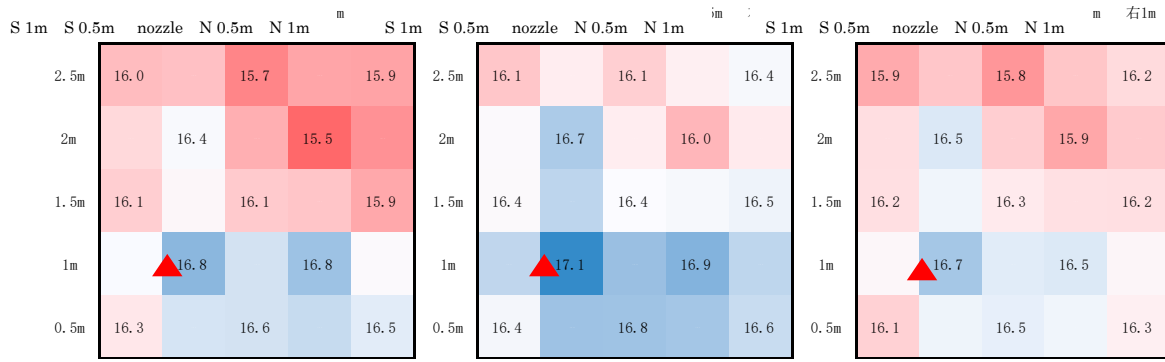
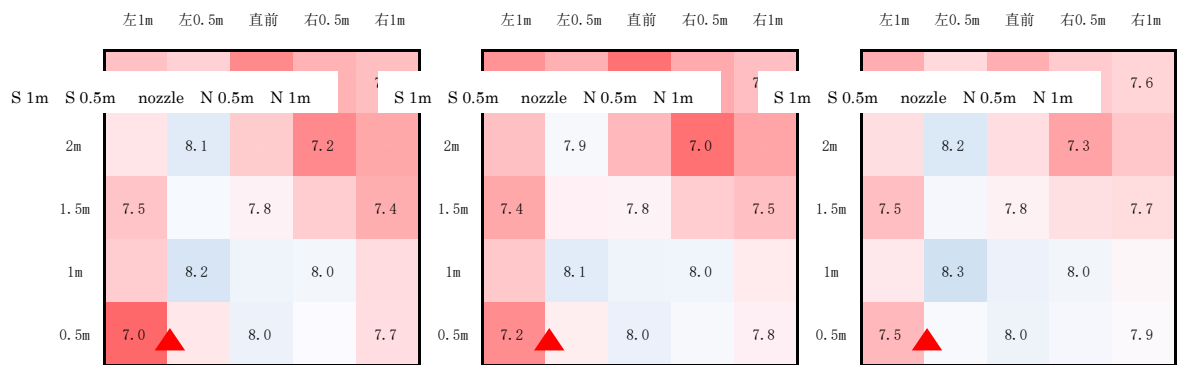
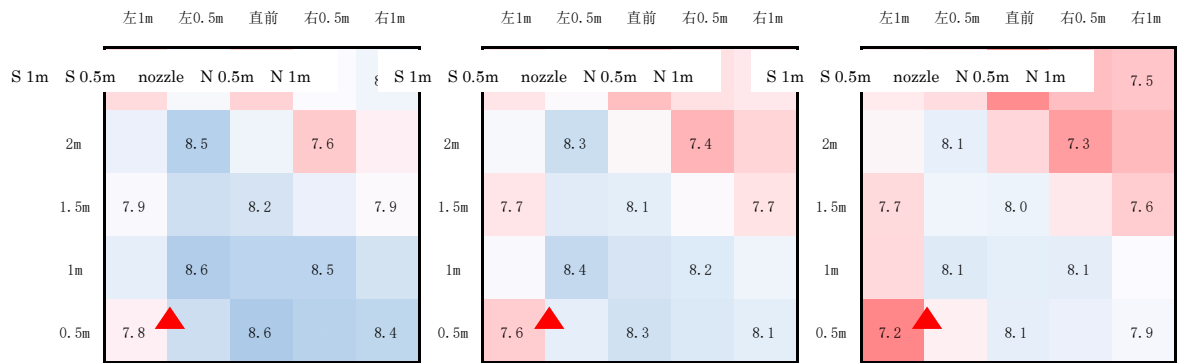
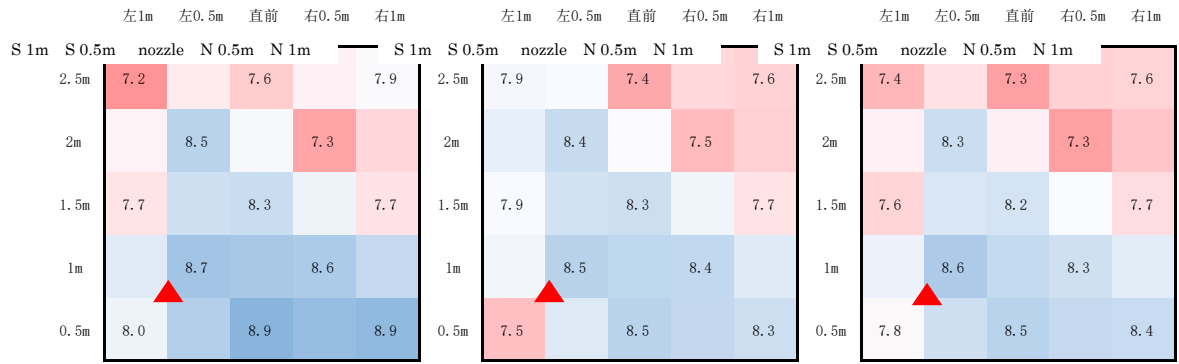
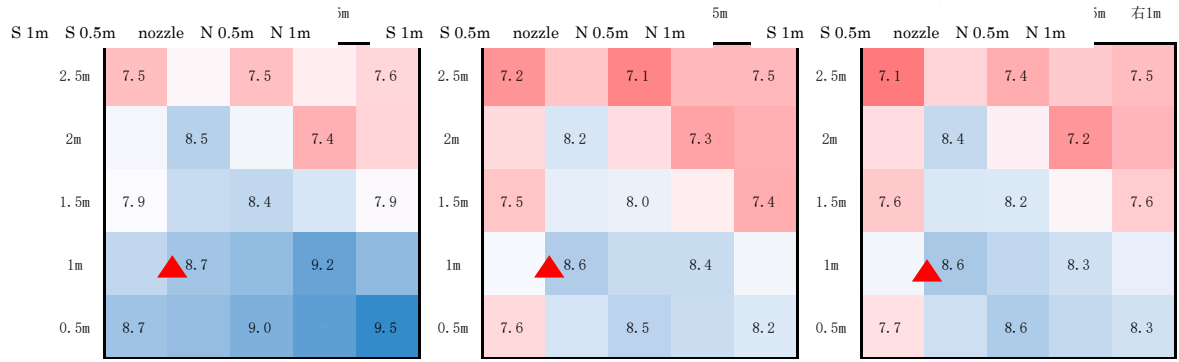


Figure S6. Vertical section of measured humidity in a park at 10:30 (▲: nozzle position).



Left panel: 5.4m, center panel: 5.9m, right panel: 6.4m from nozzle
Figure S7. Vertical section of measured humidity in a park at 13:00 (▲: nozzle position).



Left panel: 5.4m, center panel: 5.9m, right panel: 6.4m from nozzle

Figure S8. Vertical section of measured humidity in a park at 15:10 (▲: nozzle position).

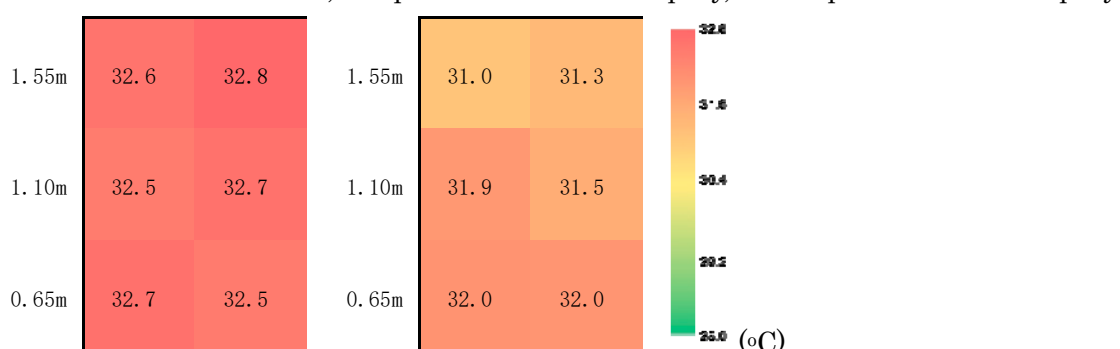
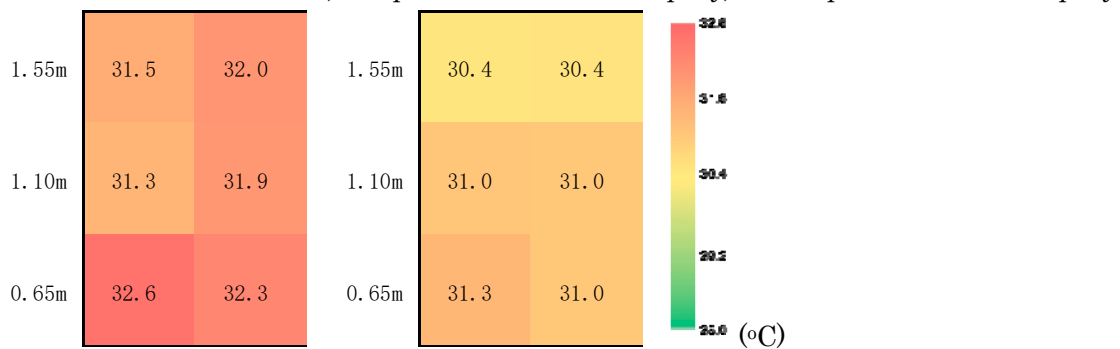
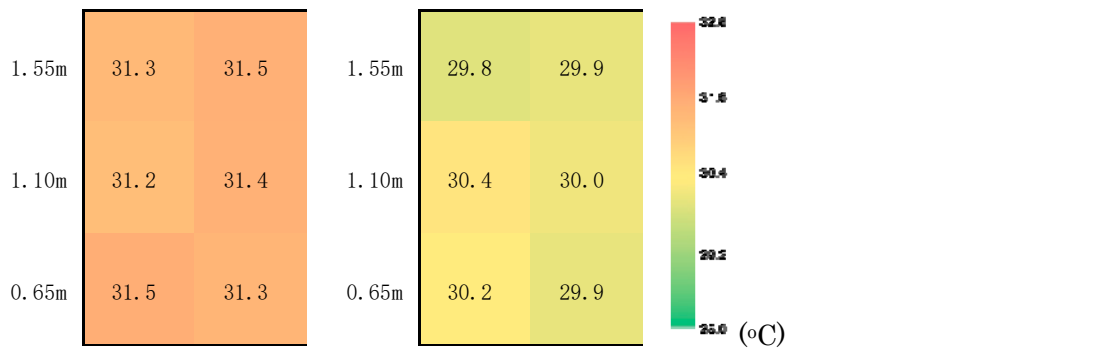
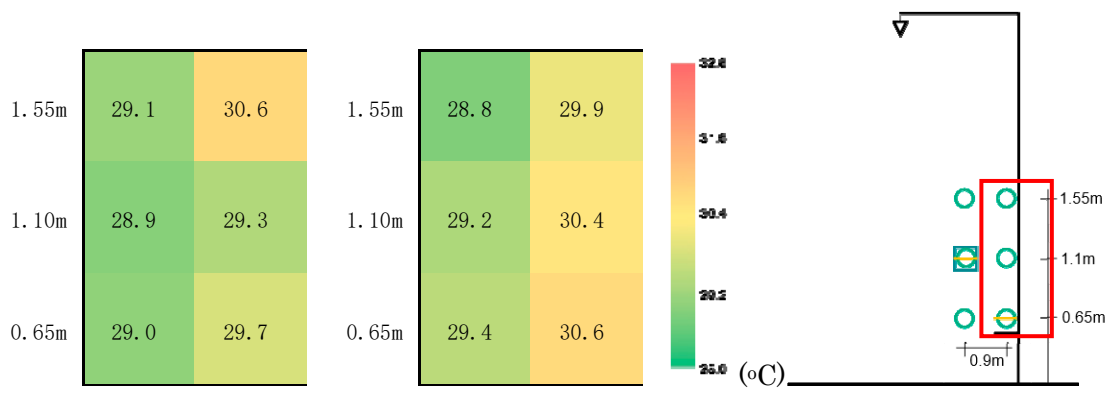


Figure S9. Vertical section of measured air temperature at bus stop.

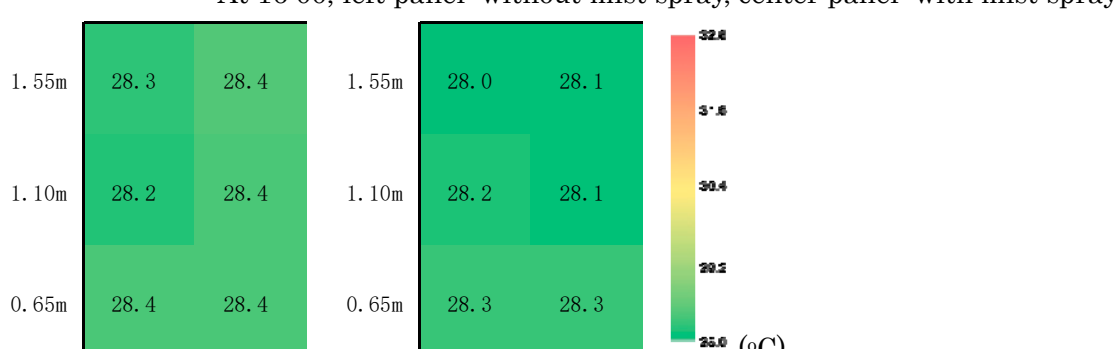
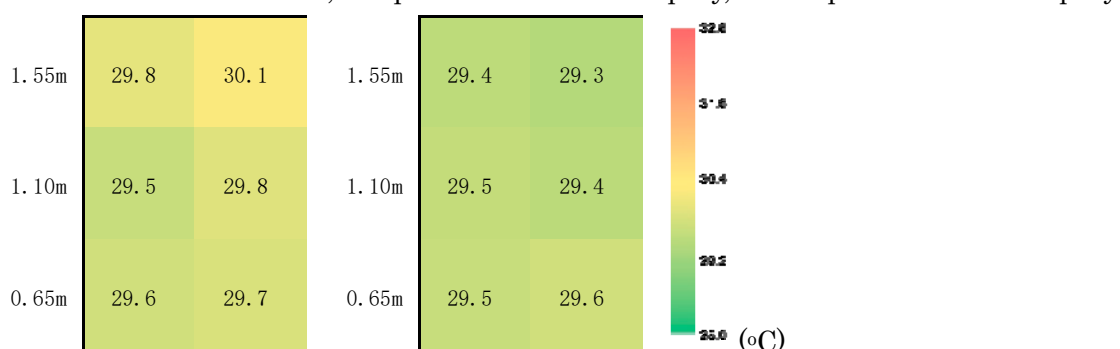
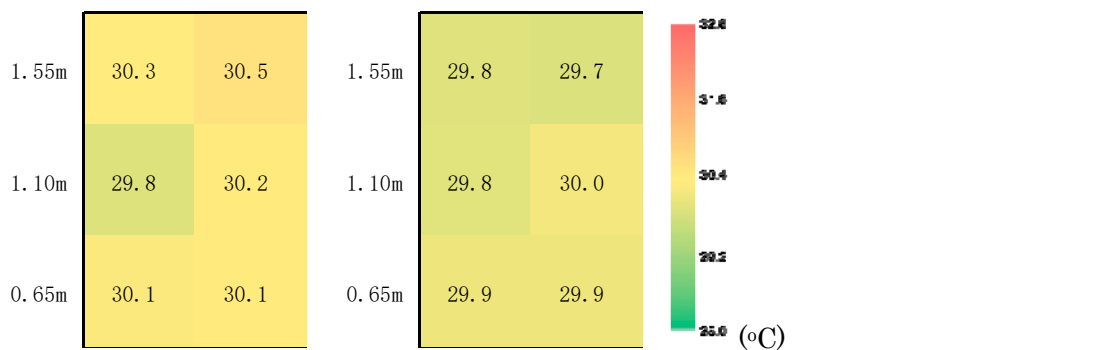
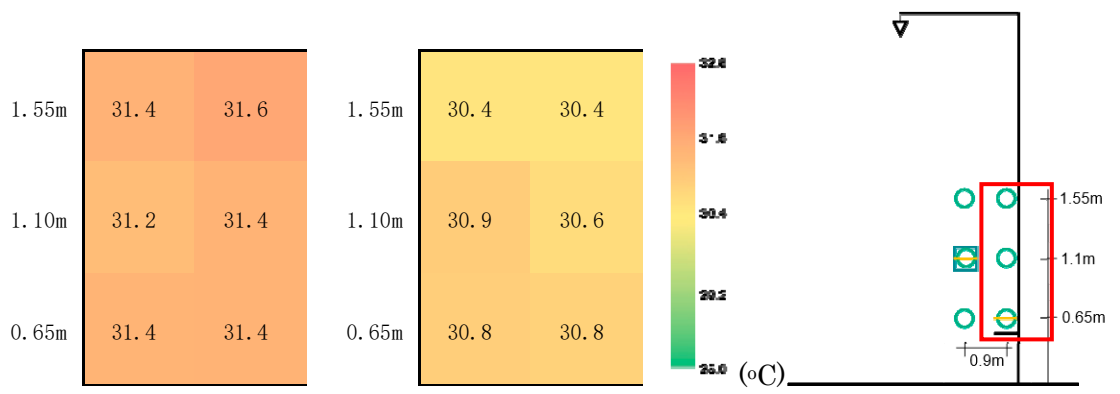


Figure S10. Vertical section of measured air temperature at bus stop (continued).

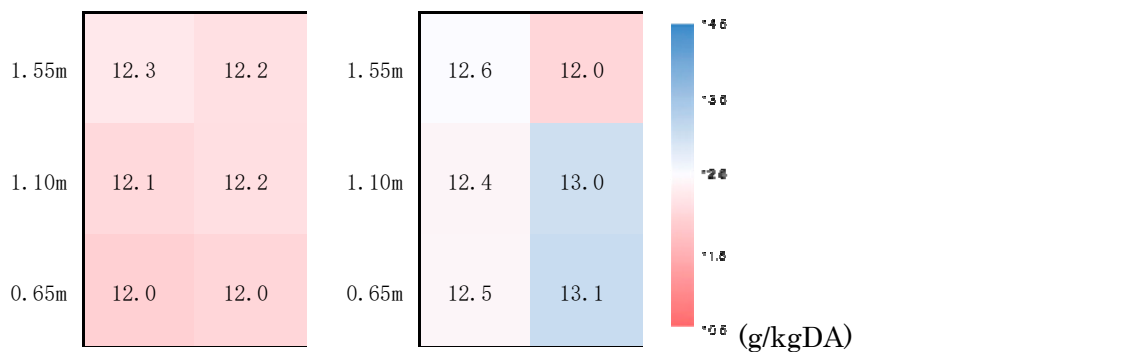
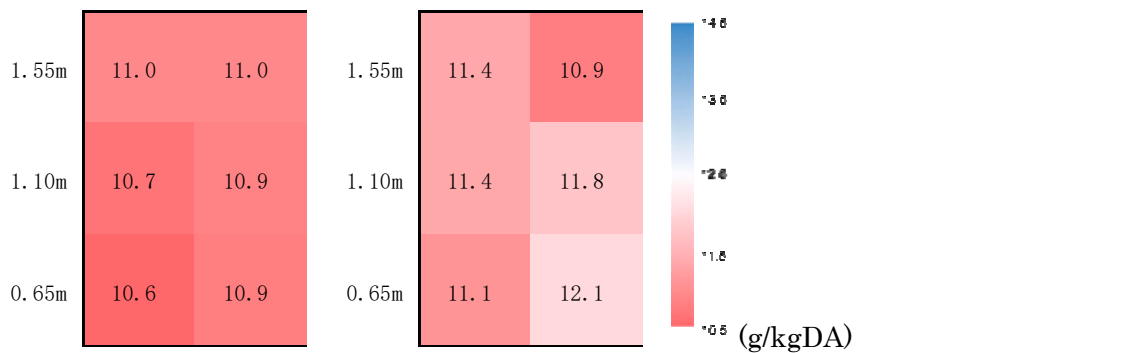
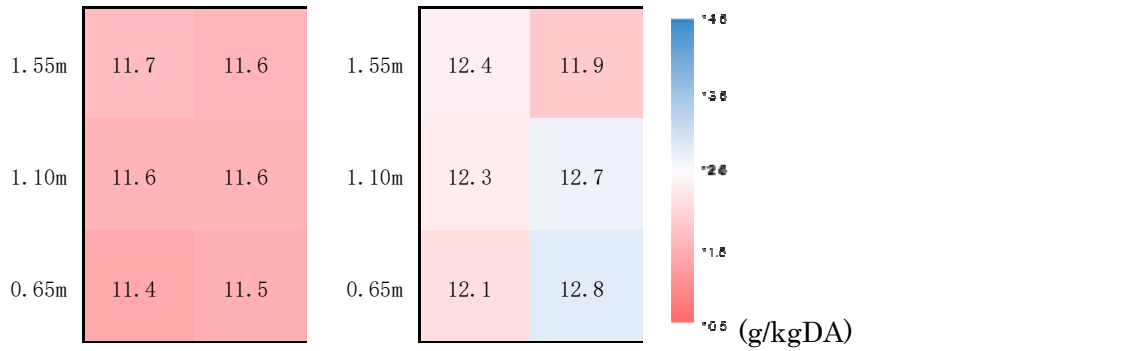
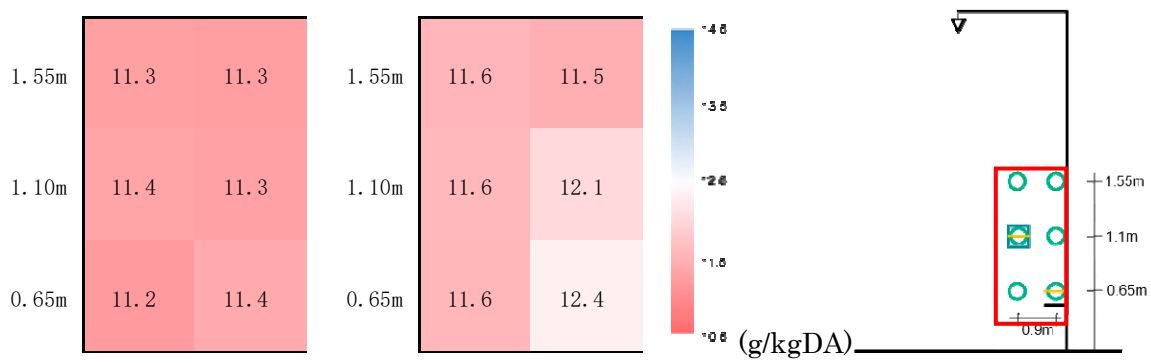
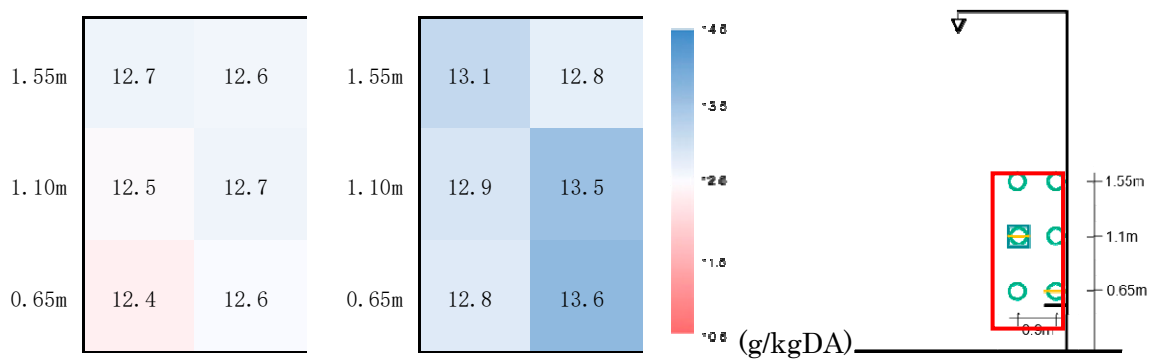
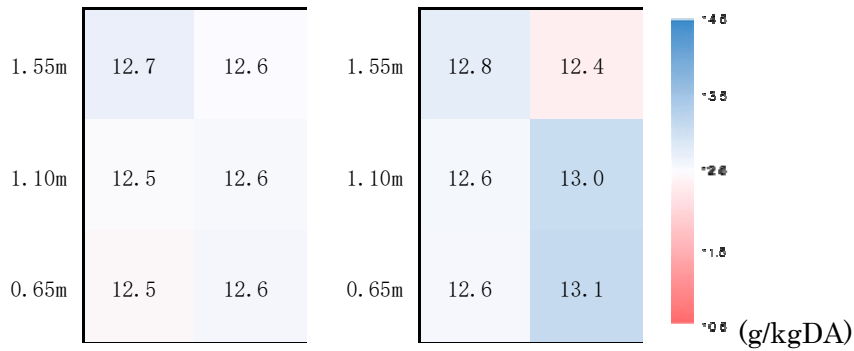


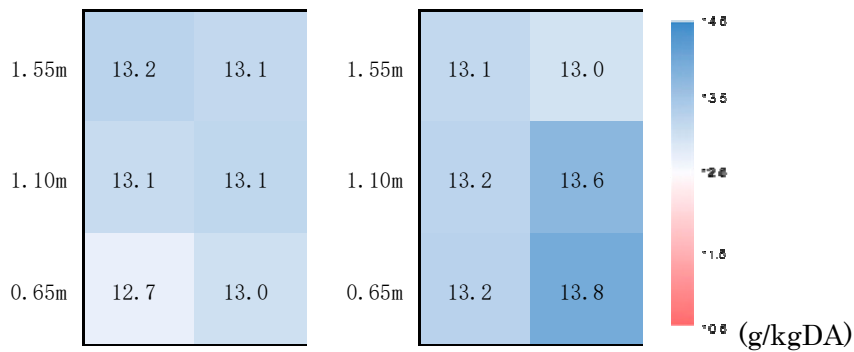
Figure S11. Vertical section of measured humidity at bus stop.



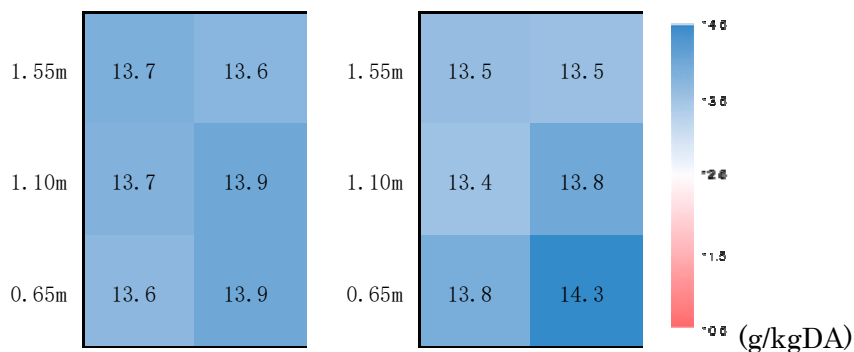
At 14:00, left panel: without mist spray, center panel: with mist spray



At 15:00, left panel: without mist spray, center panel: with mist spray



At 16:00, left panel: without mist spray, center panel: with mist spray



At 17:00, left panel: without mist spray, center panel: with mist spray

Figure S12. Vertical section of measured humidity at bus stop (continued).