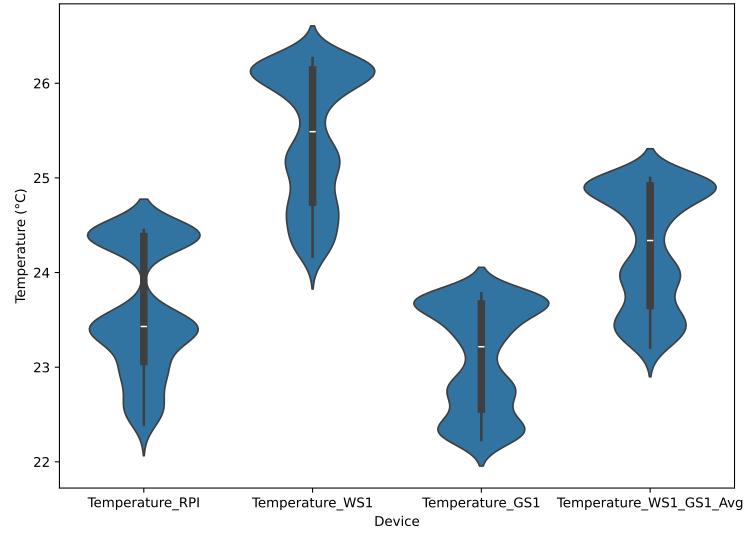
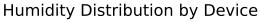
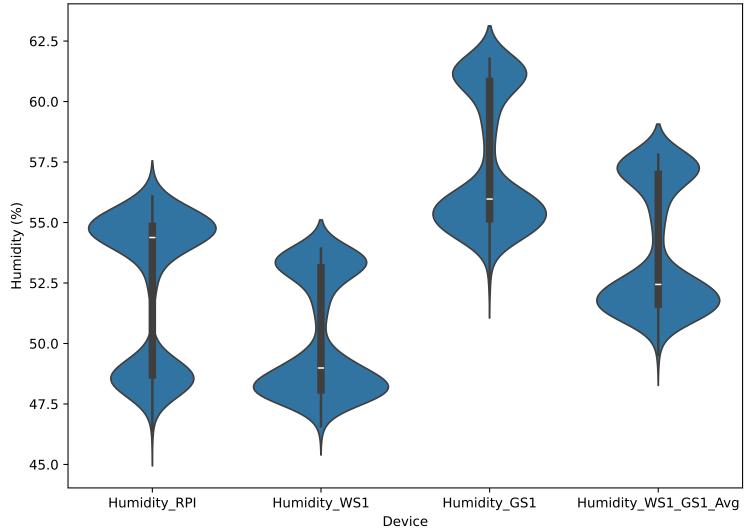


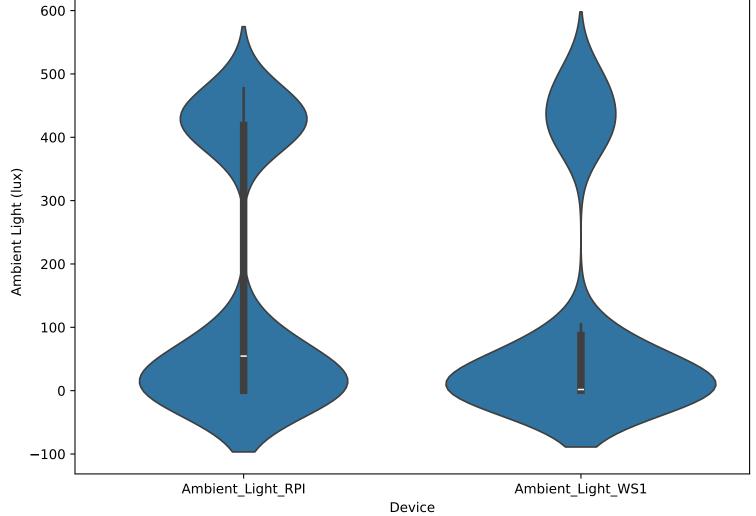
Temperature Distribution by Device







Ambient Light Distribution by Device



KDE: Temperature by Device RPi 1.0 -WS1 GS1 WS1-GS1 Avg 0.8 Density 9.0 0.4 -0.2 -0.0 26 22 23 24 25 27

Temperature (°C)

KDE: Humidity by Device RPi 0.30 -WS1 GS1 WS1-GS1 Avg 0.25 -0.20 -Density - 51.0 0.10 -0.05 -0.00 47.5 62.5 50.0 52.5 45.0 55.0 57.5 60.0 Humidity (%)

KDE: Ambient Light by Device 0.006 -RPi WS1 0.005 -0.004 -Density 800.0 0.002 -0.001 -

200

Ambient Light (lux)

300

400

500

600

100

0.000

-100

0

Correlation Matrix (Fused Data with Averages) 1.00 Temperature_RPI - 1.00 -0.89 -0.31 0.11 -0.13 0.11 0.04 -0.10 0.08 -0.12 0.75 0.63 -0.46 Humidity RPI - -0.89 1.00 0.51 0.08 -0.42 0.47 -0.44 0.49 1.00 -0.76 0.88 -0.79 0.86 Ambient Light RPI - -0.31 0.63 0.35 -0.78 0.87 - 0.50 Temperature WS1 - 0.11 -0.46 -0.76 1.00 -0.86 -0.35 0.98 -0.82 1.00 -0.84 - 0.25 0.88 -0.86 1.00 Humidity WS1 - -0.13 0.51 0.49 -0.92 0.99 -0.89 1.00 - 0.00

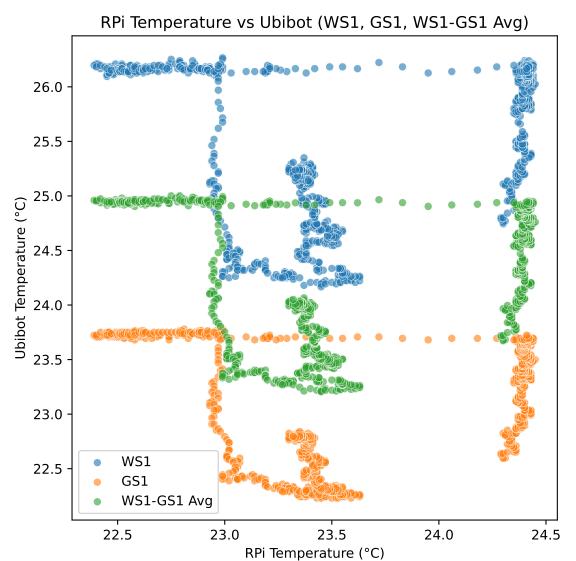
Pearson

-0.25

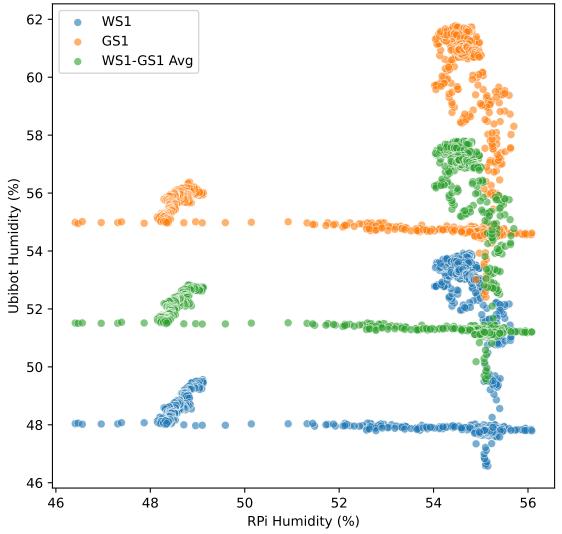
-0.50

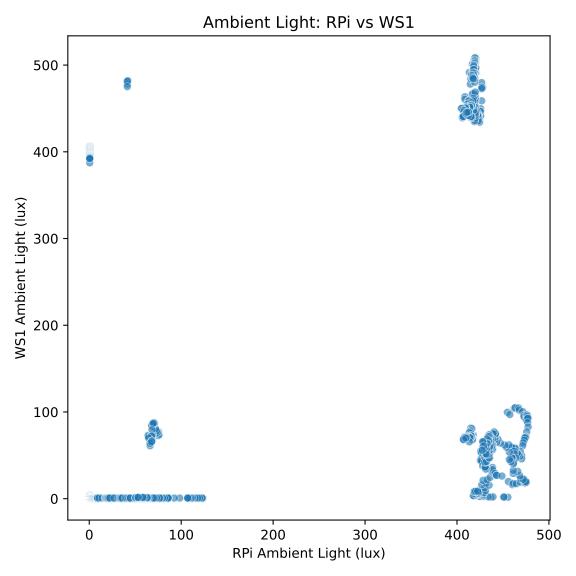
-0.75

Ambient Light WS1 - 0.11 0.08 0.35 -0.35 0.49 1.00 -0.43 0.48 -0.39 0.48 Temperature GS1 - 0.04 -0.42 -0.79 0.98 -0.92 -0.43 1.00 -0.89 0.99 -0.91 0.86 -0.82 0.99 Humidity GS1 - -0.10 0.47 0.48 -0.89 1.00 -0.86 1.00 1.00 -0.89 -0.39 Temperature WS1 GS1 Avg - 0.08 -0.44 -0.78 0.99 -0.86 1.00 -0.87 0.87 -0.84 1.00 0.48 -0.91 1.00 -0.87 Humidity WS1 GS1 Avg - -0.12 0.49 1.00 GS1 Humidity_RPI Humidity_WS1_GS1_Avg Temperature RPI Ambient_Light_RPI Humidity_GS1 Temperature_WS1 Humidity_WS1 Ambient_Light_WS1 Temperature_ Temperature_WS1_GS1

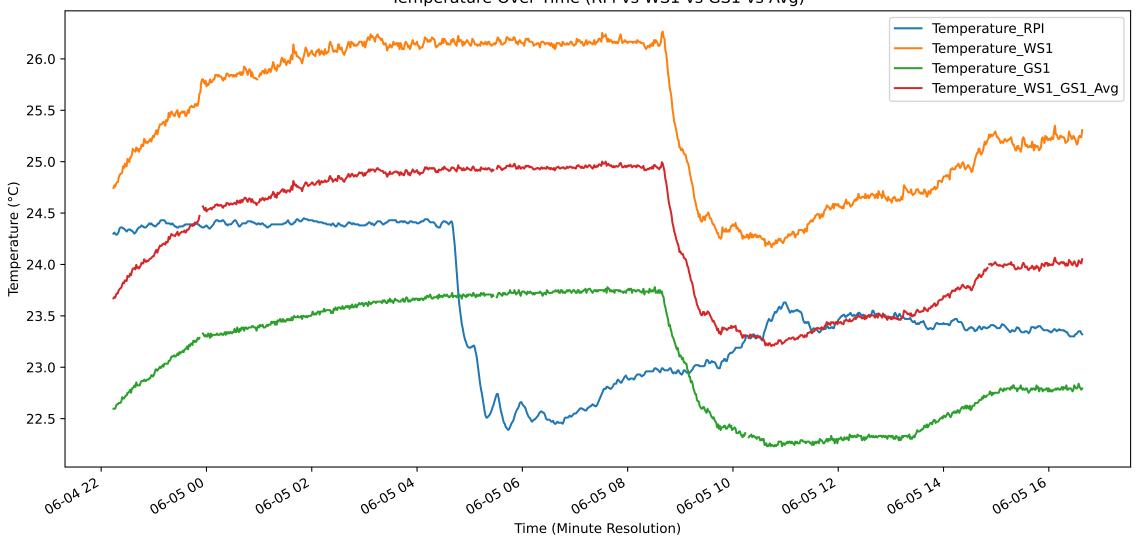


RPi Humidity vs Ubibot (WS1, GS1, WS1-GS1 Avg)

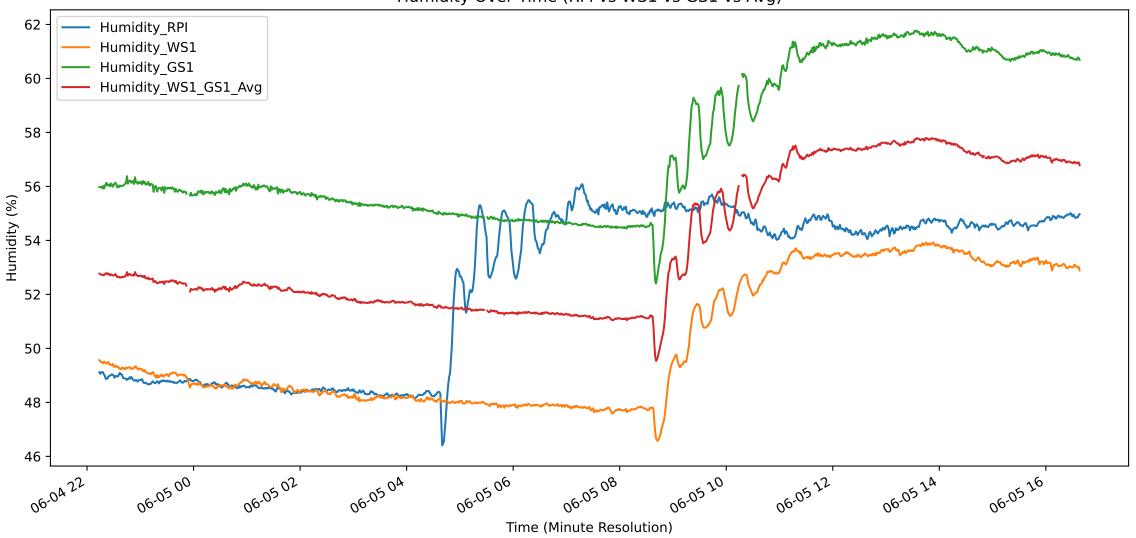




Temperature Over Time (RPi vs WS1 vs GS1 vs Avg)



Humidity Over Time (RPi vs WS1 vs GS1 vs Avg)



Ambient Light Over Time (RPi vs WS1)

