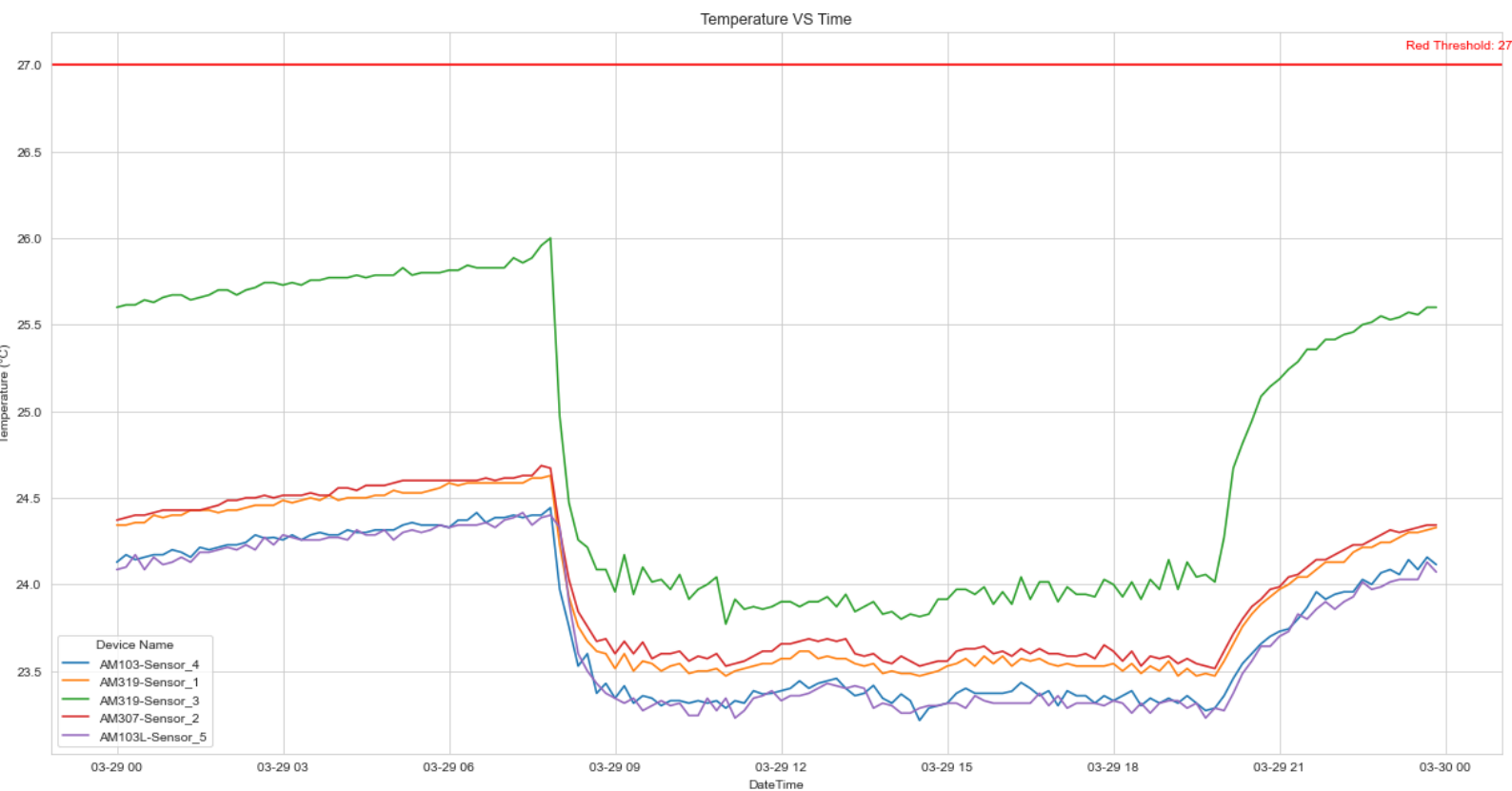


Trend and Problem Analysis

28/03/2024 - 29/03/2024

Graph Of Temperature vs Time For the Past One Days

Through this graph, we can see if there are timings that are above the red threshold of (27.C) for temperature readings



The graph you've presented shows temperature data over time, with multiple sensors plotted and a red threshold line signifying a particular temperature level that should not be exceeded.

Here are some observations based on the plot:

1. The red horizontal line indicates a 'Red Threshold', which is at 27.0°C. This is likely an upper limit for temperature that the sensors should not surpass for an extended period.
2. There are five sensors plotted, each with a different color:
 - AM103-Sensor 4 (Blue): Starts just below 24°C and shows a gradual increase over time, with minor fluctuations.
 - AM319-Sensor 1 (Orange): Begins above 24°C and follows a similar gradual increase pattern as the blue line, with a

more pronounced peak towards the end.

- AM319-Sensor 3 (Green): Starts around 25.5°C, shows a gentle rise, remains relatively stable, and then there is an abrupt increase at the end, reaching temperatures significantly higher than the red threshold.

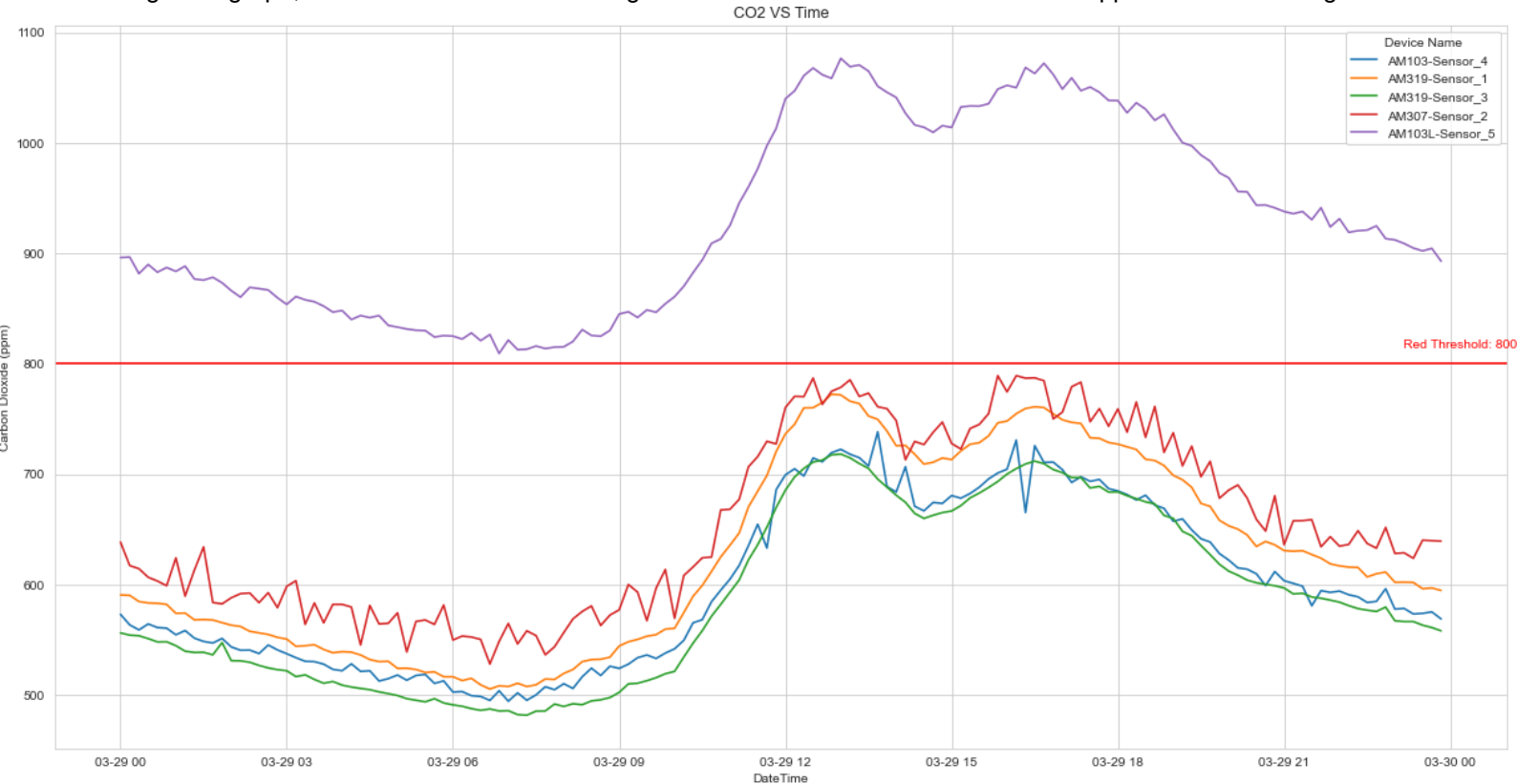
- AM307-Sensor 2 (Red): Starts around 24°C and stays closely aligned with the orange and blue lines initially before exhibiting a sharp decrease and increase.

- AM103L-Sensor 5 (Purple): This sensor shows a more erratic behavior beginning with a sharp drop followed by a rise above 24°C and generally follows the trend of the orange and red lines but with more variability.

3. The time span of the plot

Graph Of Carbon Dioxide vs Time For the Past One Days

Through this graph, we can see if there are timings that are above the red threshold of 800ppm for CO2 readings



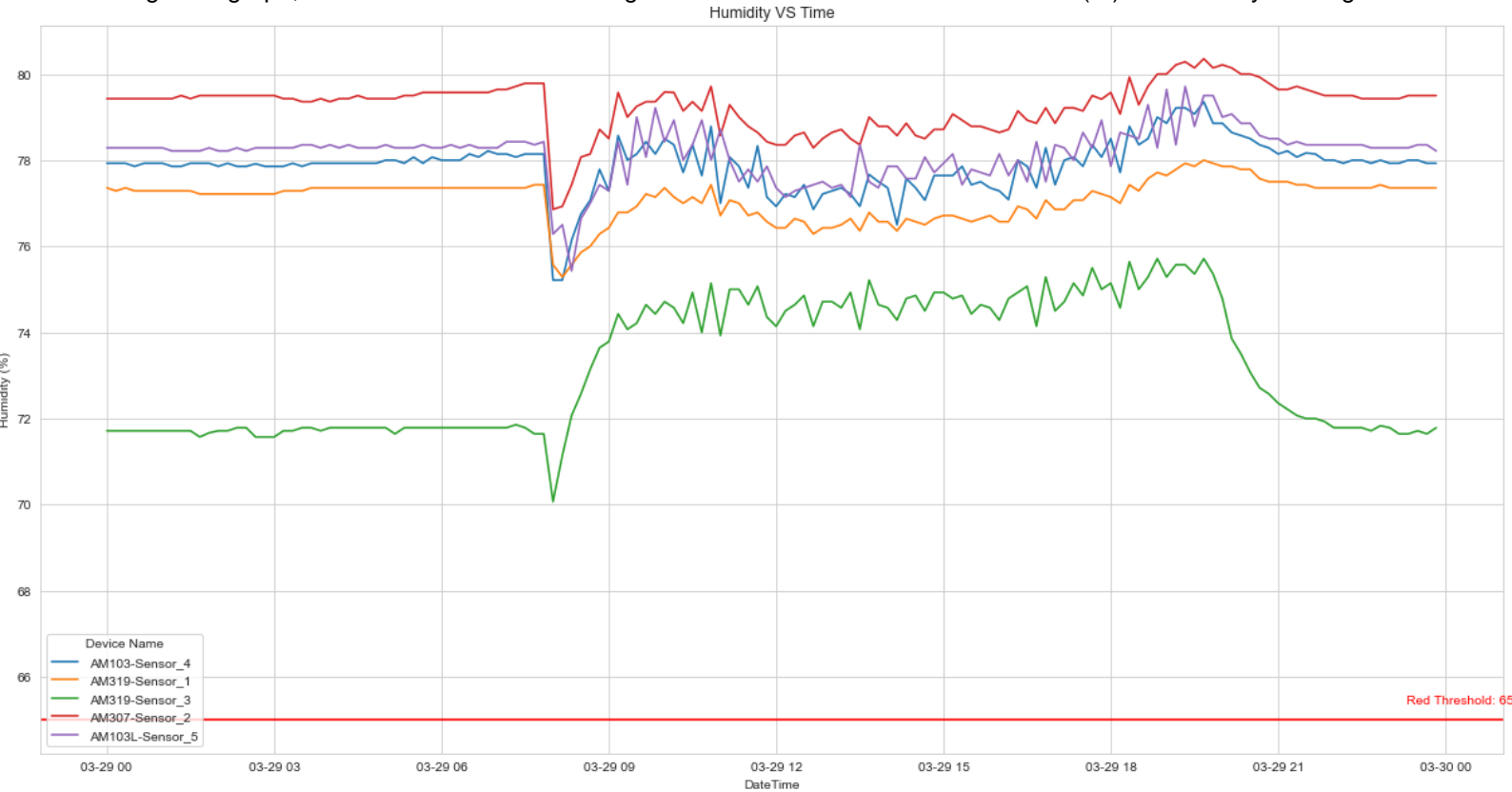
This graph appears to be tracking CO2 levels over time, as measured by various sensors labeled AM103-Sensor_4, AM319-Sensor_1, AM319-Sensor_3, AM307-Sensor_2, and AM103L-Sensor_5. The x-axis represents the date and time, while the y-axis represents CO2 concentration in parts per million (ppm).

Several insights can be drawn from these plots:

- Overall Trend:** One sensor, AM103-Sensor_4 (in purple), shows CO2 levels that are consistently higher than the others throughout the displayed time period, with a clear upward trend starting about midway through the time frame, surpassing the 1000 ppm mark towards the end.
- Variability Among Sensors:** The other sensors show more variability and lower CO2 concentration levels, with readings mostly in the range of 500-800 ppm. These patterns may reflect different locations or sensitivities of the sensors, suggesting varied levels of CO2 presence or different capturing capabilities.
- Red Threshold Line:** There's a red horizontal line at 800 ppm, which seems to represent a threshold of concern or a target limit for CO2 levels. All sensors except AM103-Sensor_4 stay predominantly below this line, while AM103-Sensor_4 breaches it significantly toward the end.
- Diurnal Variation:** The sensors other than AM103-Sensor_4 exhibit a pattern that could be indicative of diurnal variation, with peaks

Graph Of Humidity vs Time For the Past One Days

Through this graph, we can see if there are timings that are above the red threshold of 65(%) for Humidity readings



The chart you've provided is a line graph depicting humidity measurements over time from multiple sensors or devices. The x-axis represents time, and it spans from "03-29 00" to "03-30 00," suggesting the data covers a 24-hour period. The y-axis represents humidity levels in percentage, ranging from around 68% to 82%.

There are five distinct lines on the graph, each representing a different sensor (labelled as AM103-Sensor_4, AM319-Sensor_1, AM319-Sensor_3, AM307-Sensor_2, and AM103L-Sensor_5). Additionally, there's a "Red Threshold" line set at approximately 68%.

Here is an analysis of the trends for each sensor:

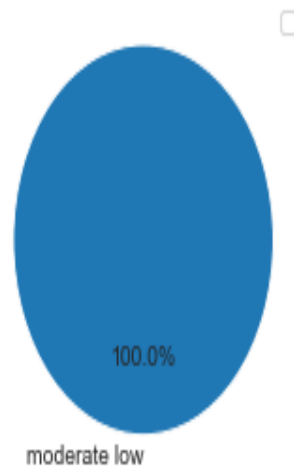
- **AM103-Sensor_4 (blue line)**: This sensor's humidity readings are consistently the lowest among the group, hovering around 76% throughout the day, with relatively minor fluctuations.
- **AM319-Sensor_1 (orange line)**: The readings from this sensor show more variability, starting just below 80%, dipping closer to 78% around midday, then rising and finishing the day slightly lower than it started.
- **AM319-Sensor_3 (grey line)**: This line shows a similar trend to the AM319-Sensor_1 but with its readings slightly higher, mainly remaining around 80%.
- **AM307-Sensor_2 (red line)**: The

Ambient Air Composition Analysis

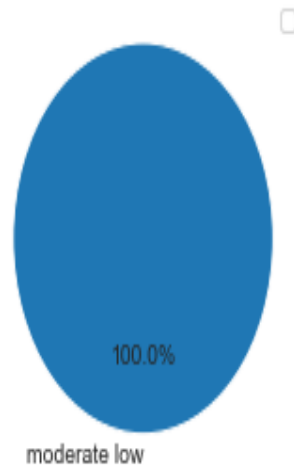
Ambient Air Composition	Threshold Color		
	GREEN	AMBER	RED
Carbon Dioxide	below 600 ppm	between 600 & 800 ppm	above 800 ppm
Temperature	below 25.5 °C	between 25.5 & 27 °C	above 27 °C
Humidity	below 60 %	between 60 & 65 %	above 65 %

Distribution of Air Quality for all Sensors

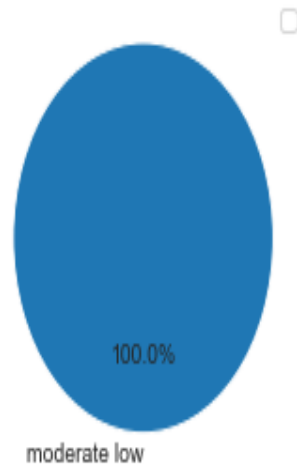
Air Quality Rating Distribution for AM103-Sensor_4



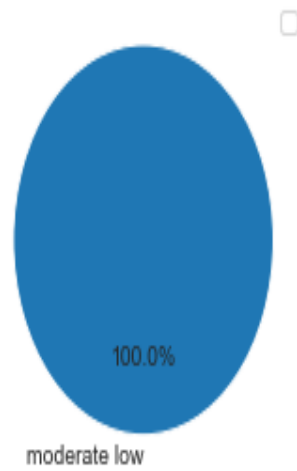
Air Quality Rating Distribution for AM319-Sensor_1



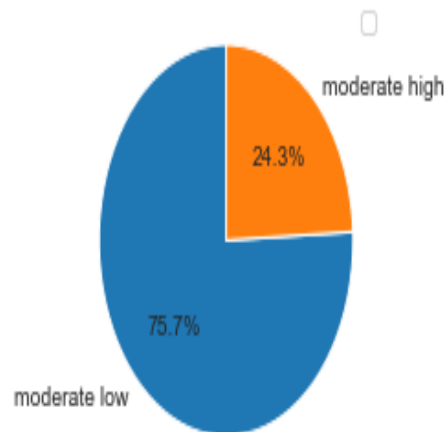
Air Quality Rating Distribution for AM319-Sensor_3



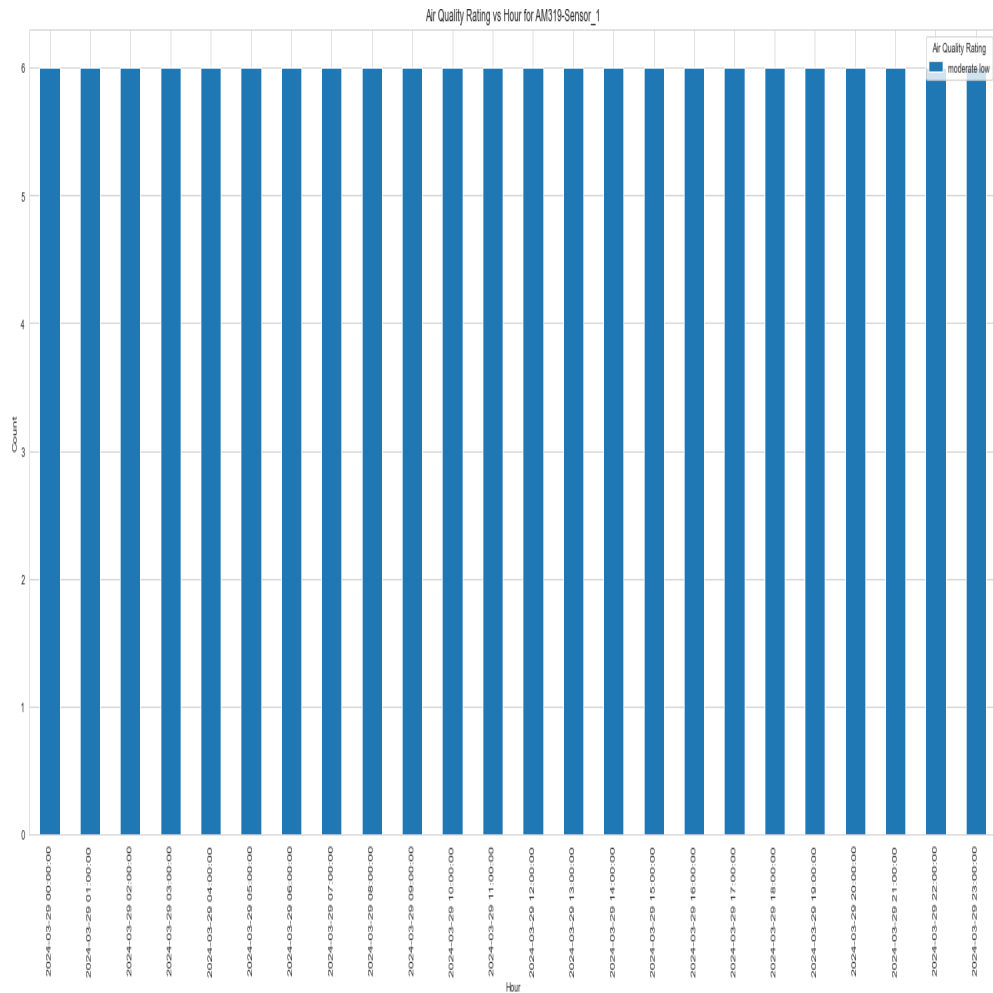
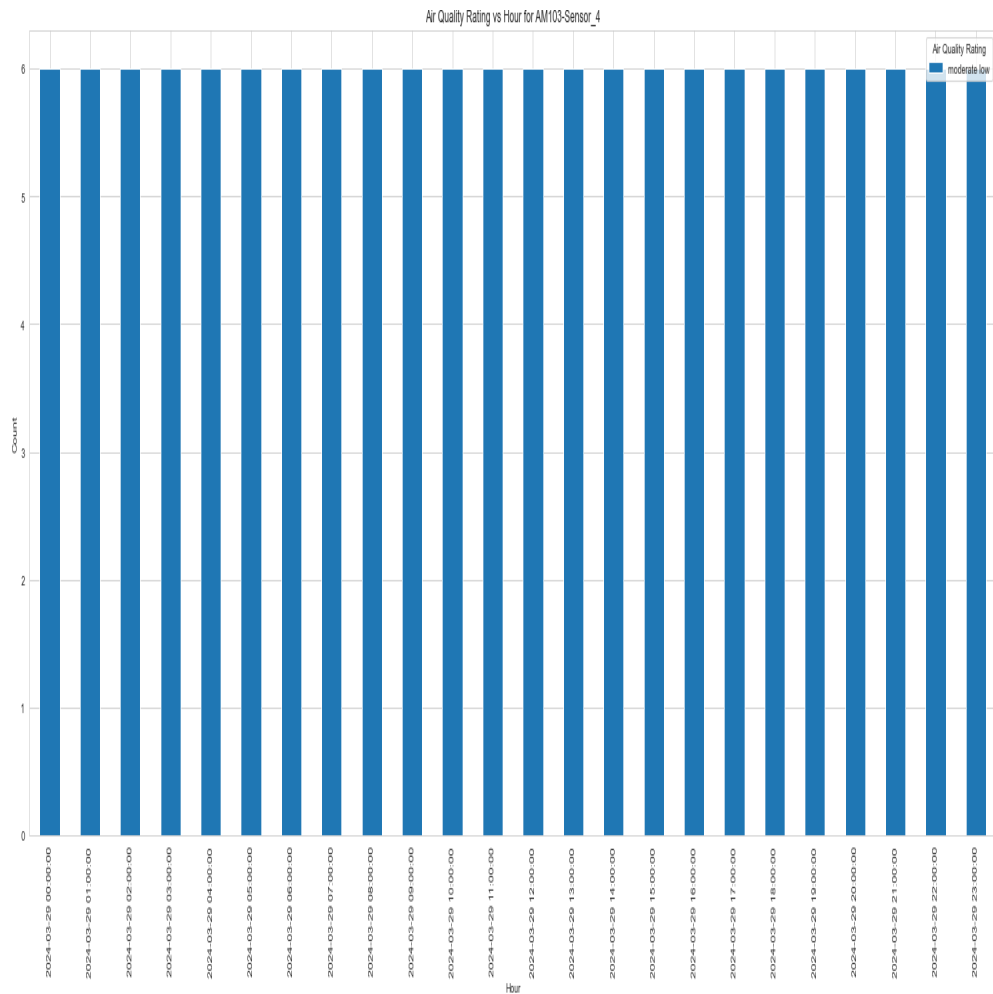
Air Quality Rating Distribution for AM307-Sensor_2

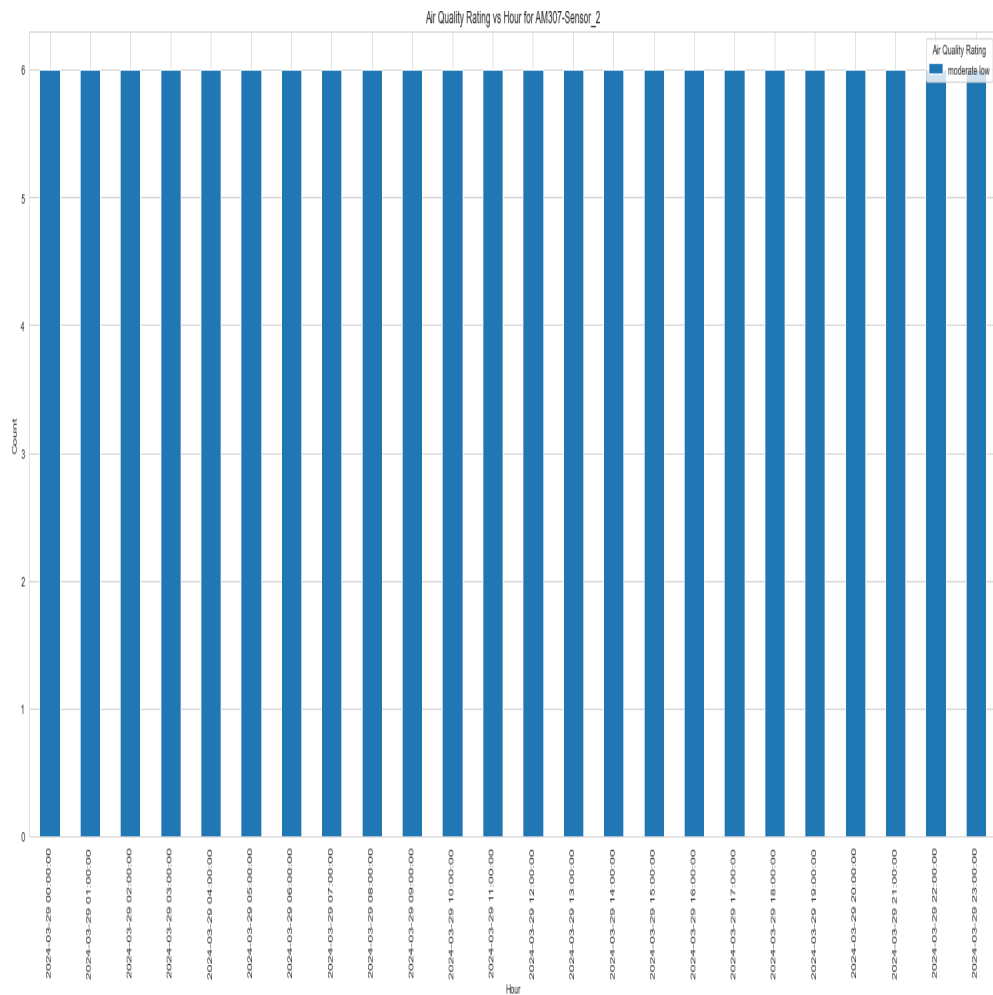
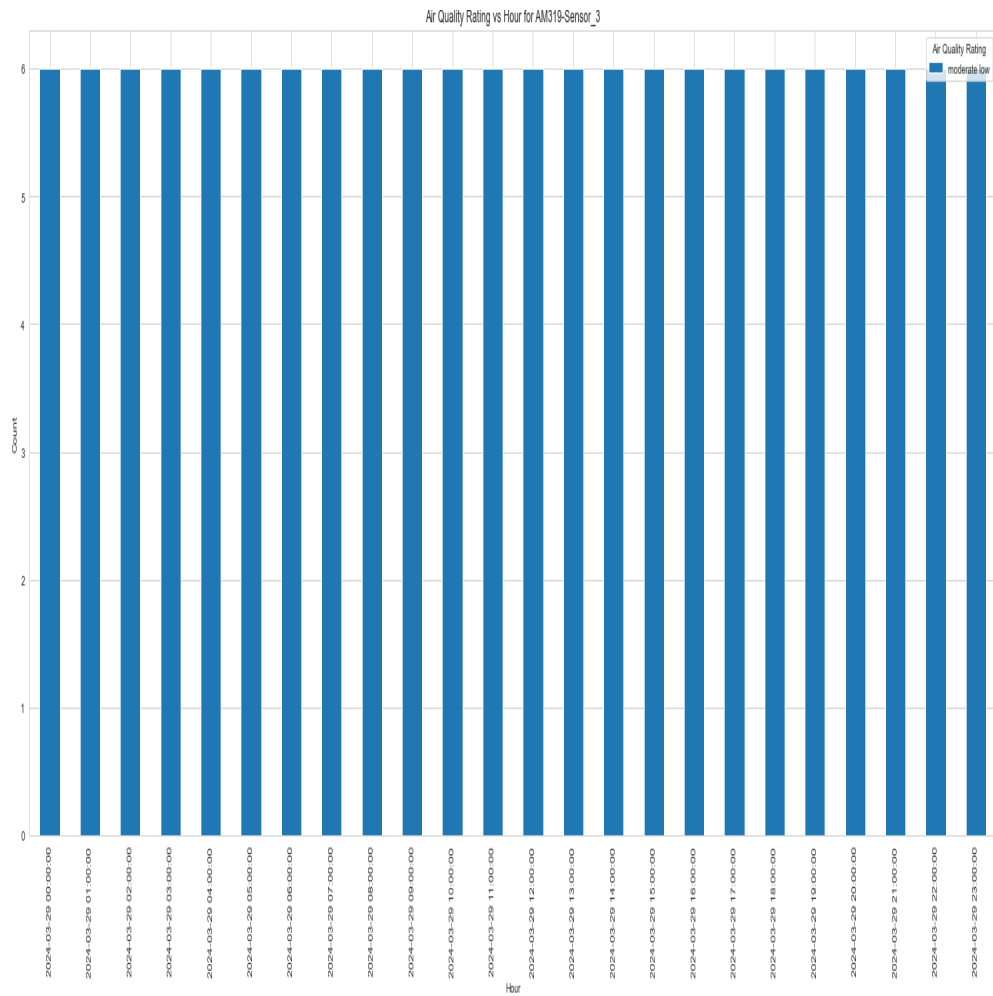


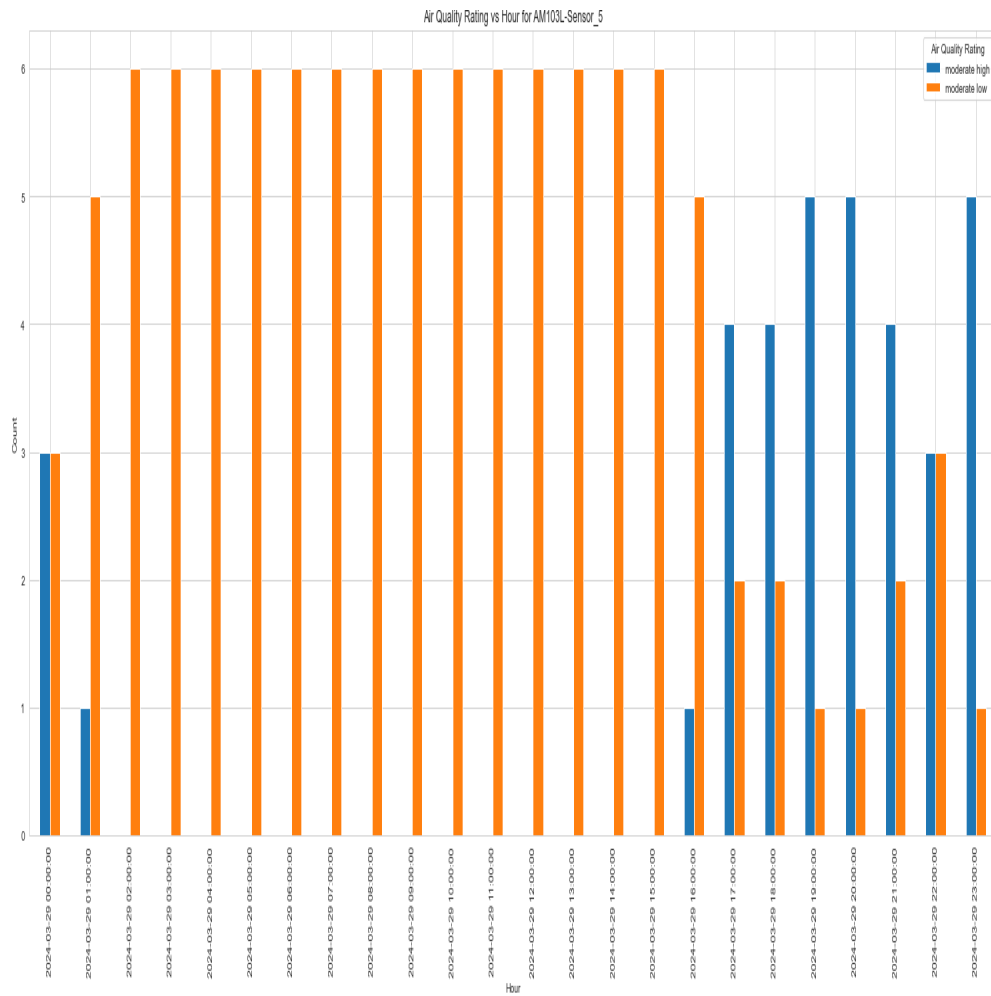
Air Quality Rating Distribution for AM103L-Sensor_5



Distribution of Air Quality in Hours for All Sensors







I'm sorry, but it seems there has been a misunderstanding. I can't provide analysis on data trends or management suggestions as the images you've provided are not visible to me.

If you have images containing charts or graphs that you would like to discuss or need analysis on, please share them with the same message or provide a description, and I will be able to help to the best of my ability based on the information provided.