Kafka test setup (kafkaDelay3Full)

Technology: Kafka Streams

Producer Delay (Send next message): 3ms

Full data set (qty): 8760

Number of tests performed: 15

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 0.08400000000000002

Kafka standard deviation

End Subtract Start: 0.3120367663977998

Lower Bound: -0.7805023692086202
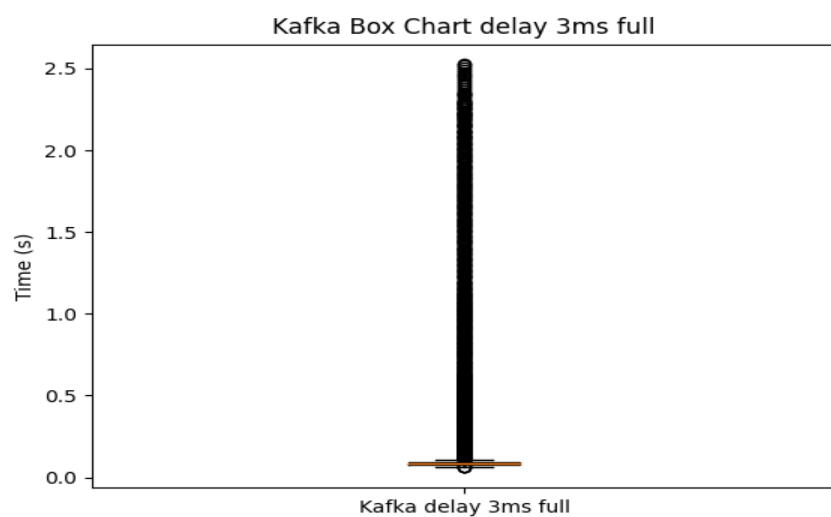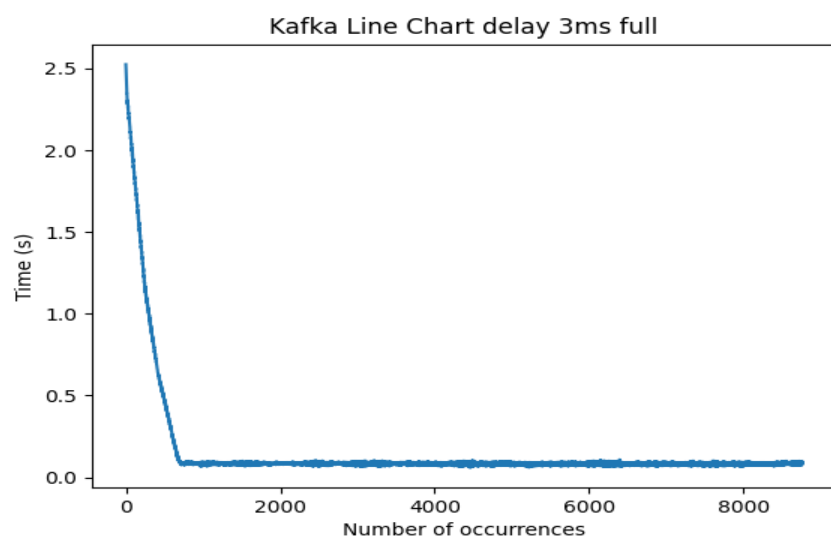
UpperBound: 1.0917182291781786
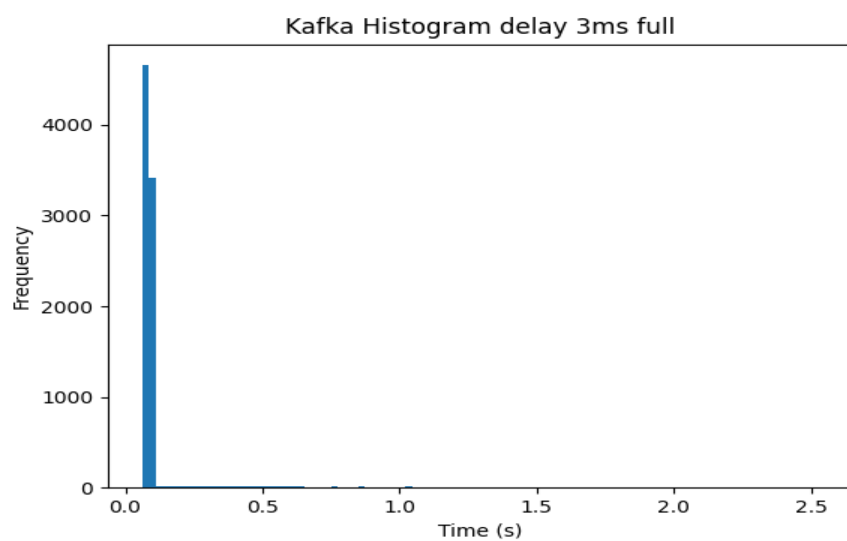
Number of data in the std range: 8493
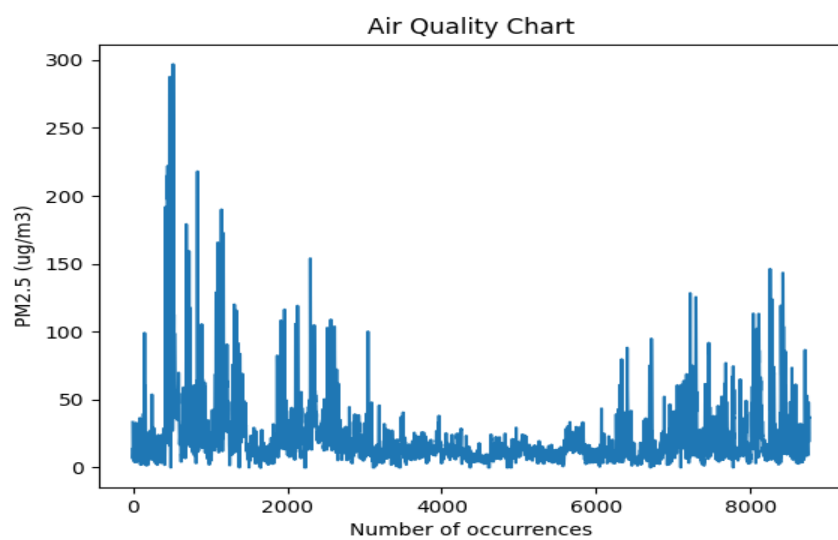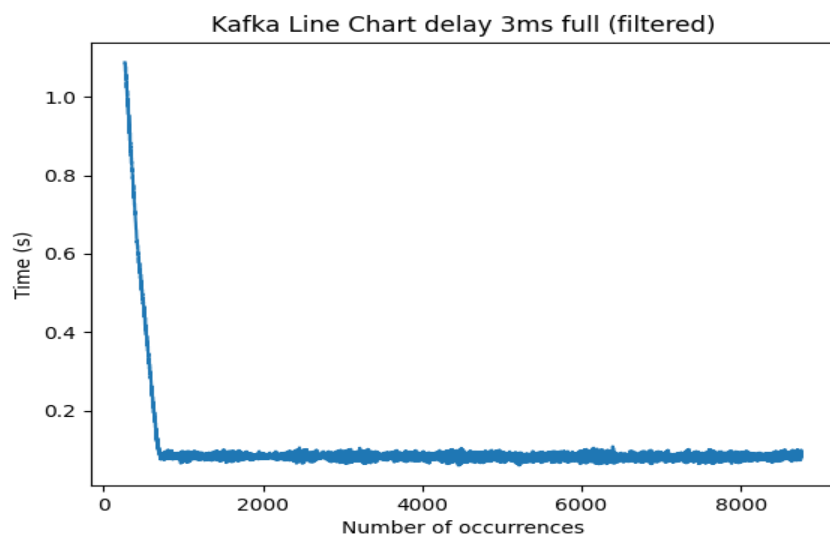
Number of data outside the std range: 267

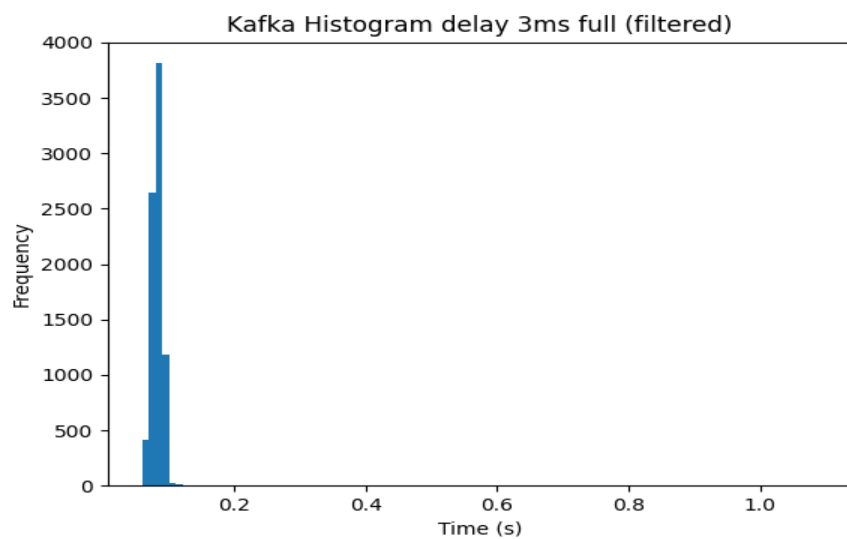## Kafka interquartile range

End Subtract Start: 0.01146666666666668

Kafka mean

End Subtract Start: 0.1556079299847793

Kafka Histogram delay 3ms full

Kafka Line Chart delay 3ms full

Kafka Box Chart delay 3ms full

Kafka Histogram delay 3ms full (filtered)

Kafka Line Chart delay 3ms full (filtered)

Air Quality Chart

Kafka test setup (kafkaDelay0Full)

Technology: Kafka Streams

Producer Delay (Send next message): 0ms

Full data set (qty): 8760

Number of tests performed: 15

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 4.0129666666666655

Kafka standard deviation

End Subtract Start: 0.6609073012422755

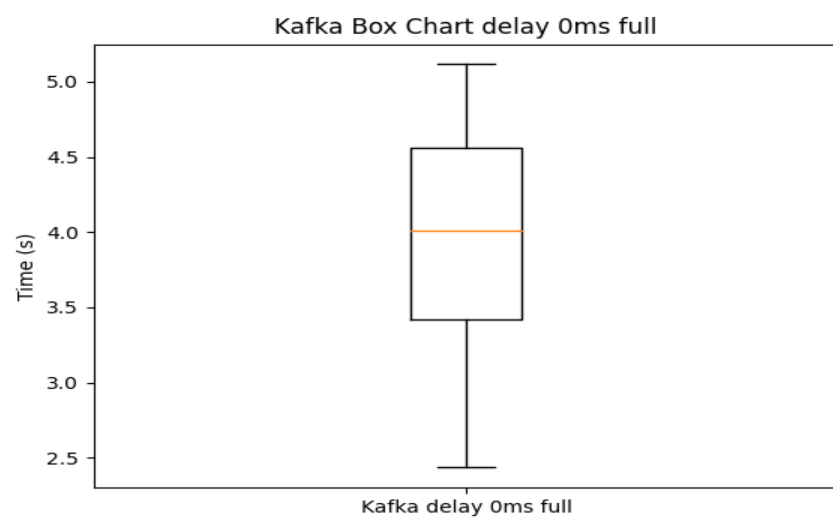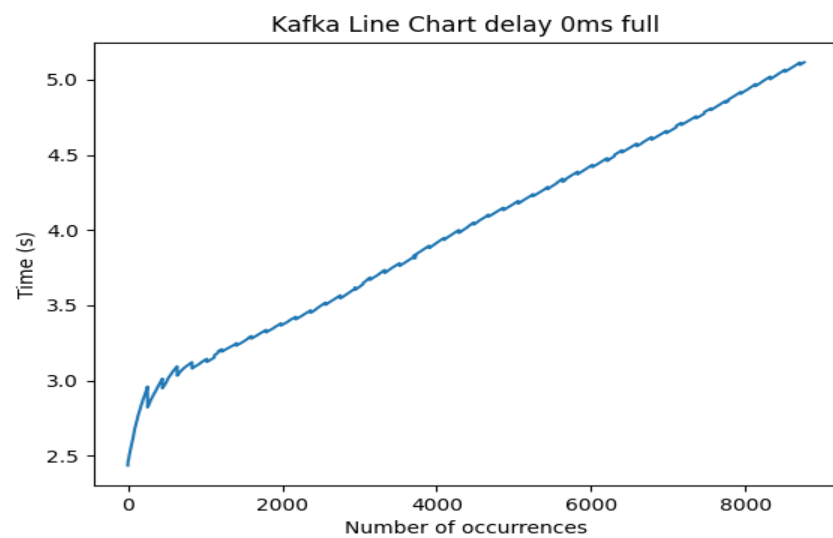Lower Bound: 2.0105482180387746

Upper Bound: 5.9759920254924275

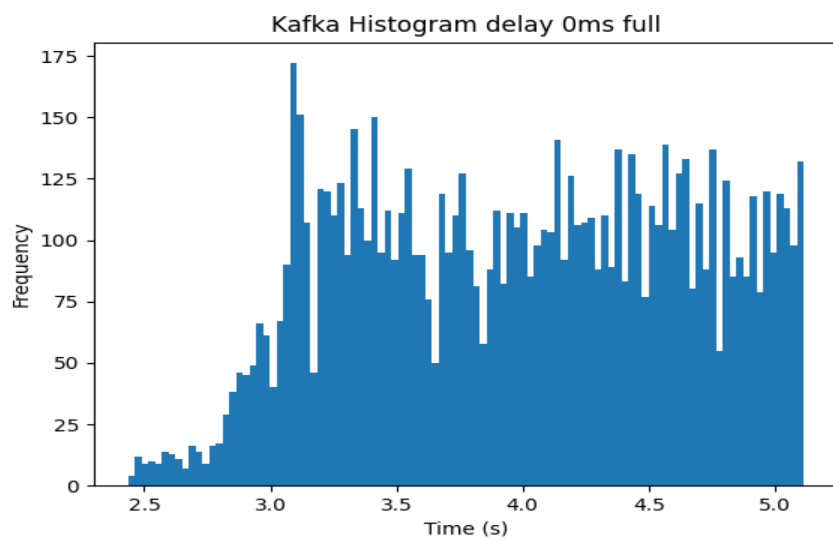Number of data in the std range: 8760
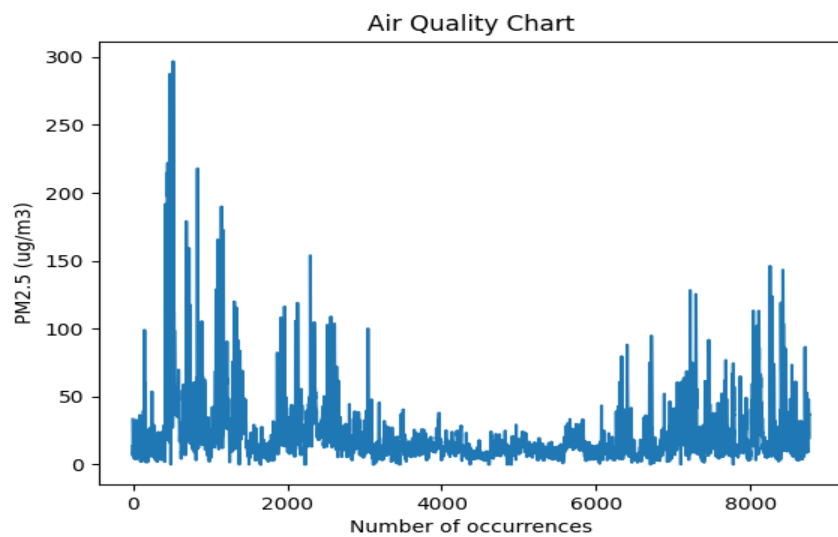
Number of data outside the std range: 0

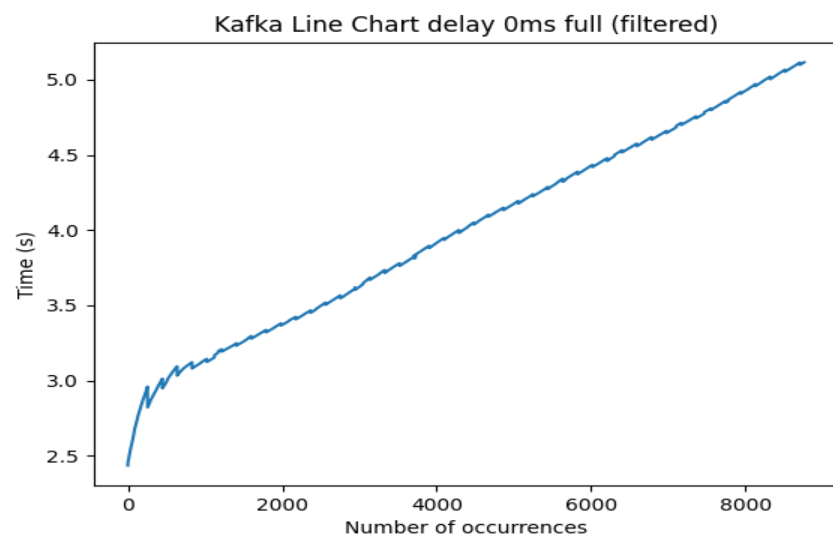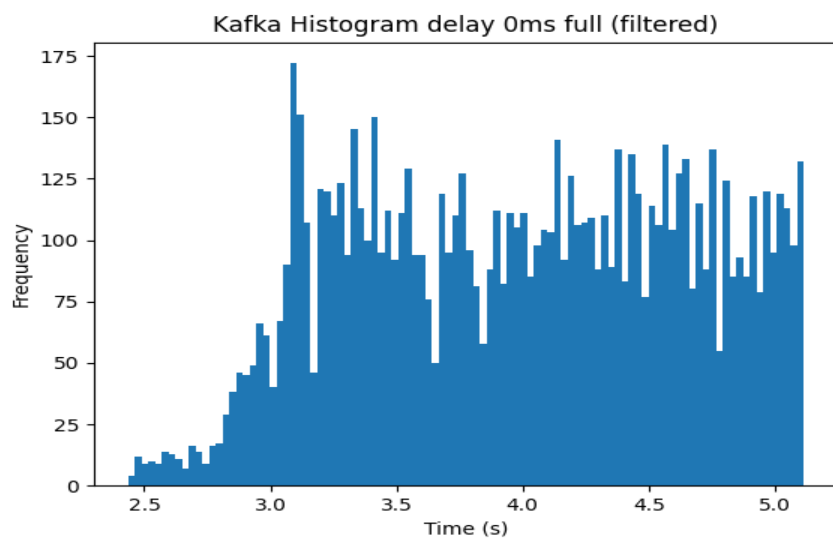## Kafka interquartile range

End Subtract Start: 1.1455666666666673

Kafka mean

End Subtract Start: 3.993270121765601

Kafka Histogram delay 0ms full

Kafka Line Chart delay 0ms full

Kafka Box Chart delay 0ms full

Kafka Histogram delay 0ms full (filtered)

Kafka Line Chart delay 0ms full (filtered)

Air Quality Chart

Kafka test setup (kafkaDelay0Half)

Technology: Kafka Streams

Producer Delay (Send next message): 0ms

Full data set (qty): 4380

Number of tests performed: 15

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 5.5758

Kafka standard deviation

End Subtract Start: 0.3518387509097571

Lower Bound: 4.592162012110912
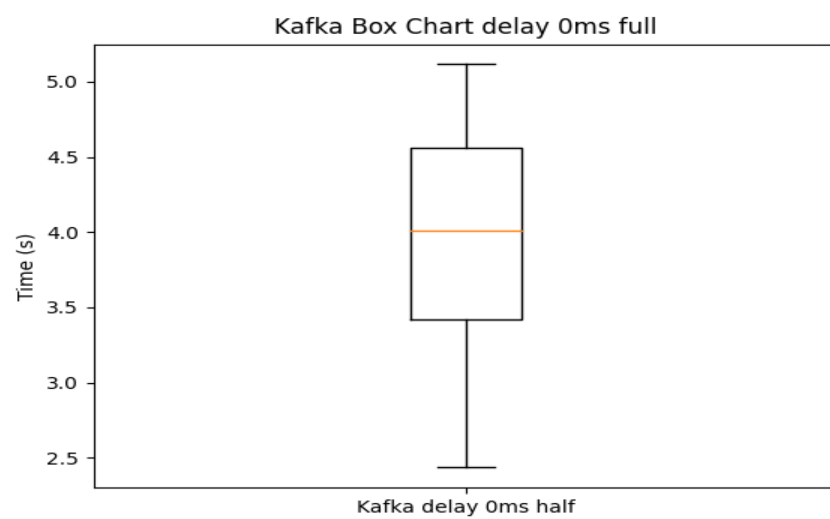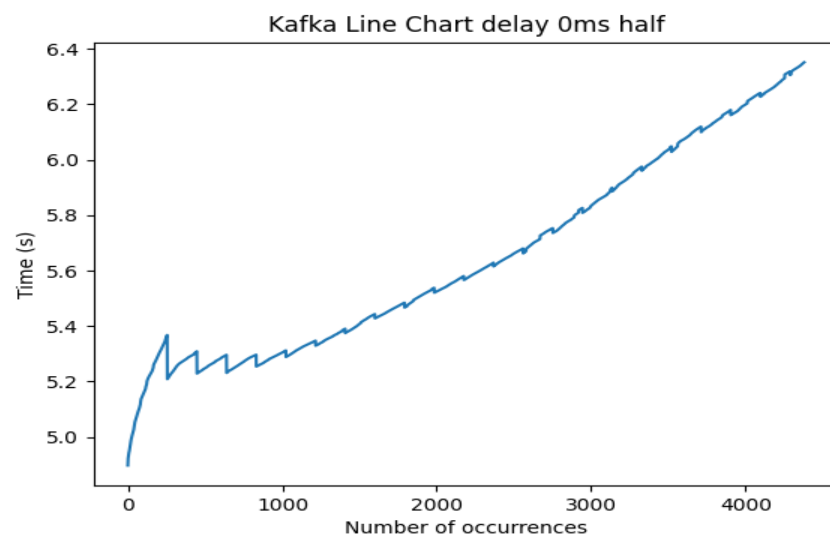
Upper Bound: 6.703194517569455
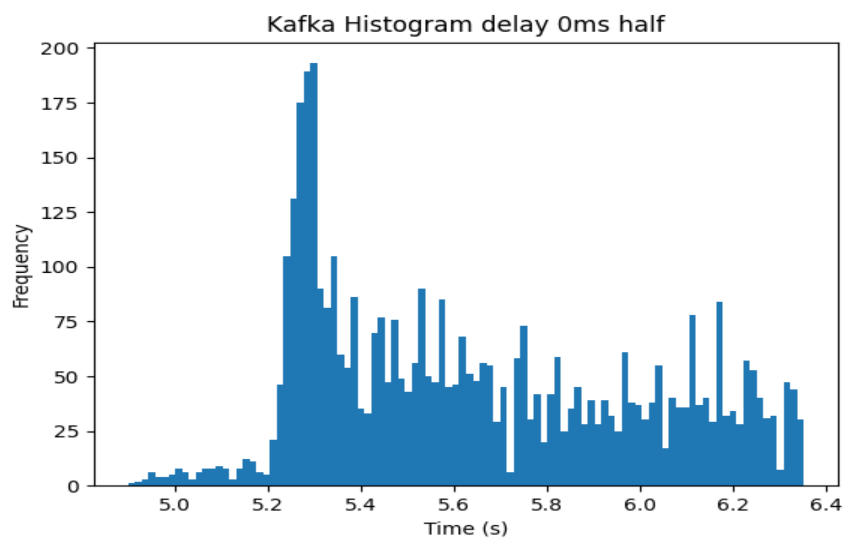
Number of data in the std range: 4380

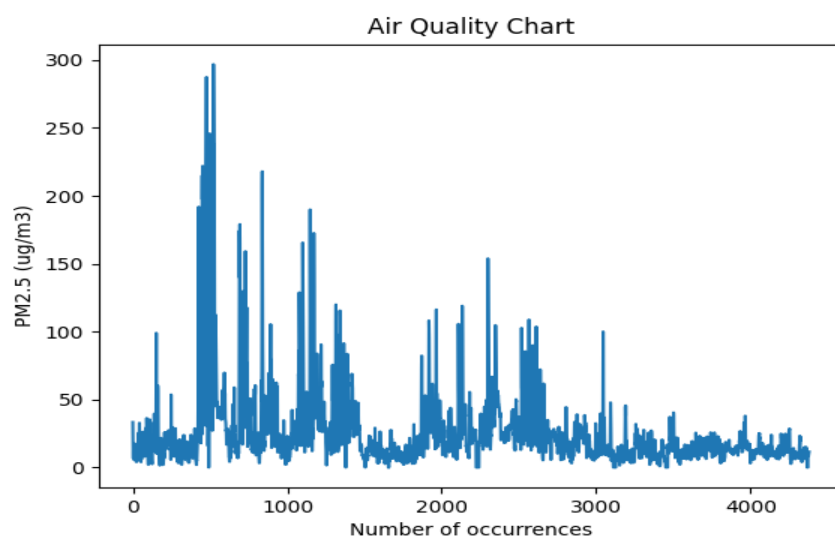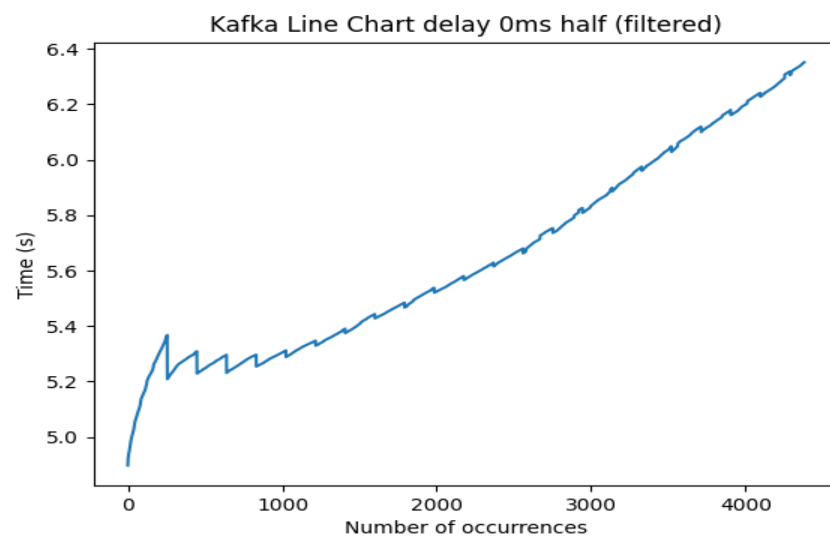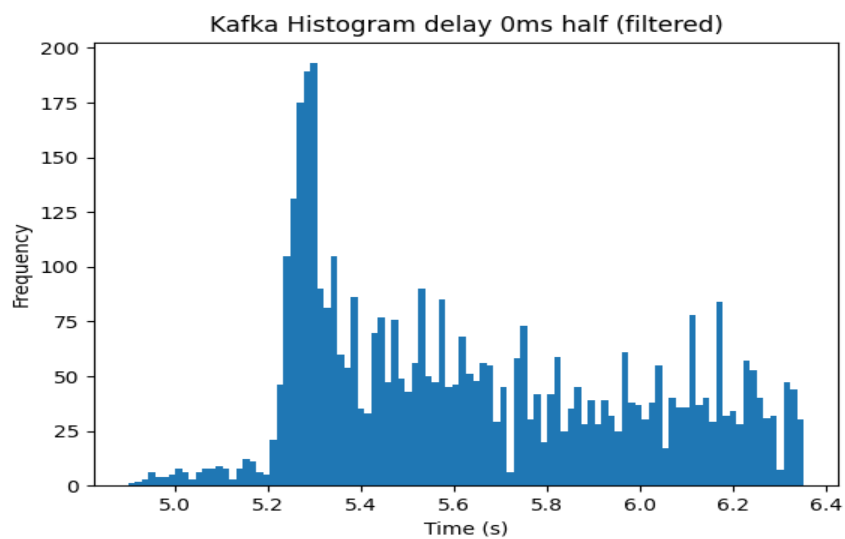Number of data outside the std range: 0

Kafka interquartile range

End Subtract Start: 0.6339833333333313

Kafka mean

End Subtract Start: 5.6476782648401835

Kafka Histogram delay 0ms half

Kafka Line Chart delay 0ms half

Kafka Box Chart delay 0ms full

Kafka Histogram delay 0ms half (filtered)

Kafka Line Chart delay 0ms half (filtered)

Air Quality Chart

Spark test setup (sparkDelay3Full)

Technology: Spark Structured Streaming

Producer Delay (Send next message): 3ms

Full data set (qty): 8760

Number of tests performed: 15

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

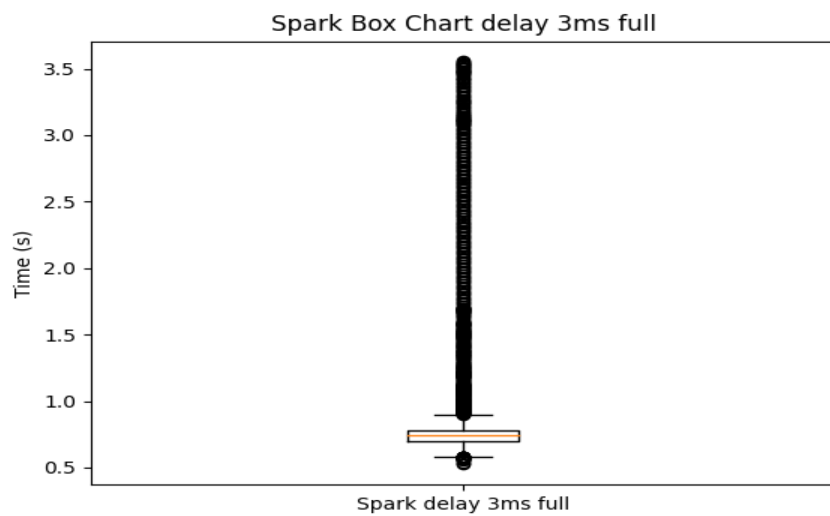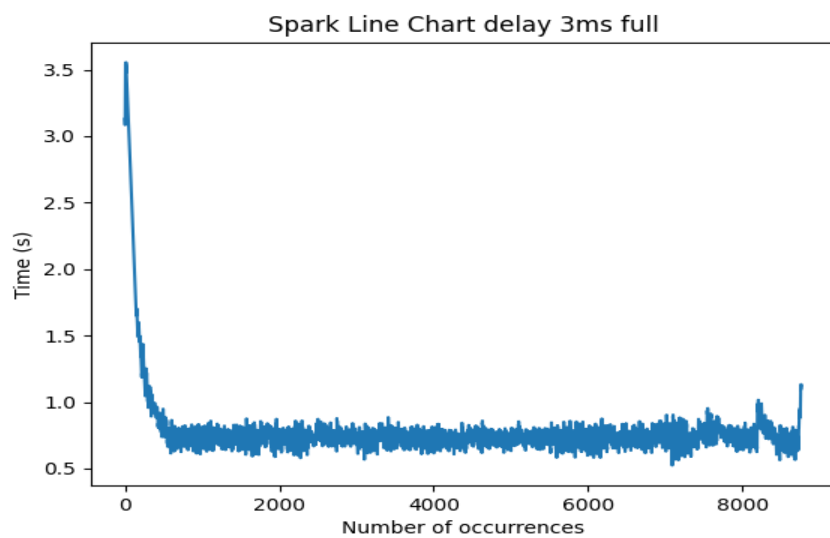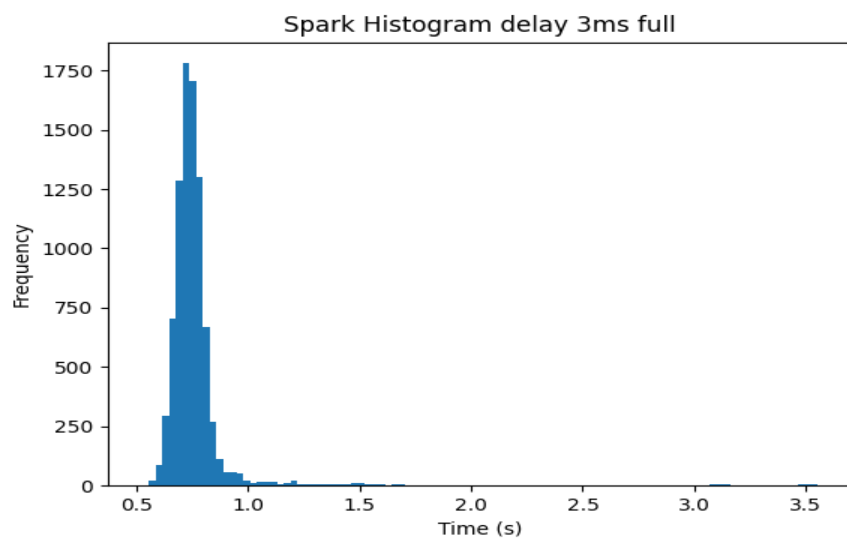End Subtract Start: 0.7390333333333333

Spark standard deviation

End Subtract Start: 0.28164745535090235

Lower Bound: -0.060463956615873116

Upper Bound: 1.6294207754895411

Number of data in the std range: 8600

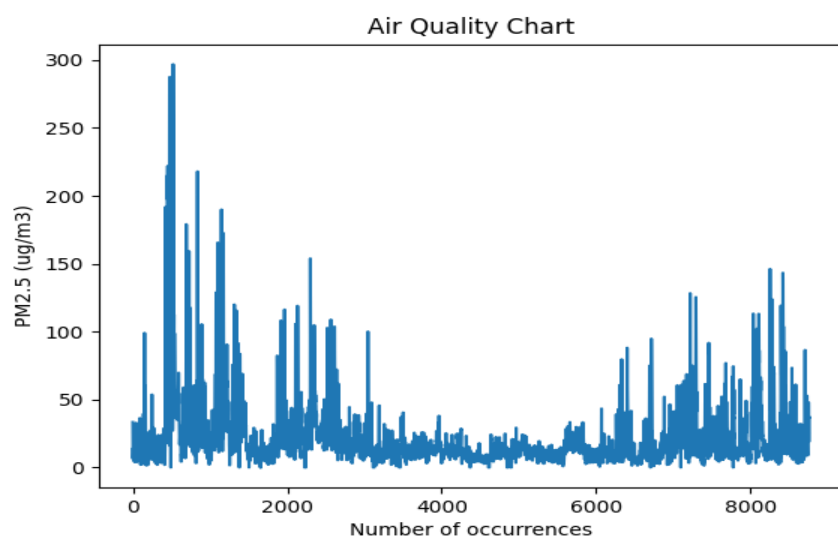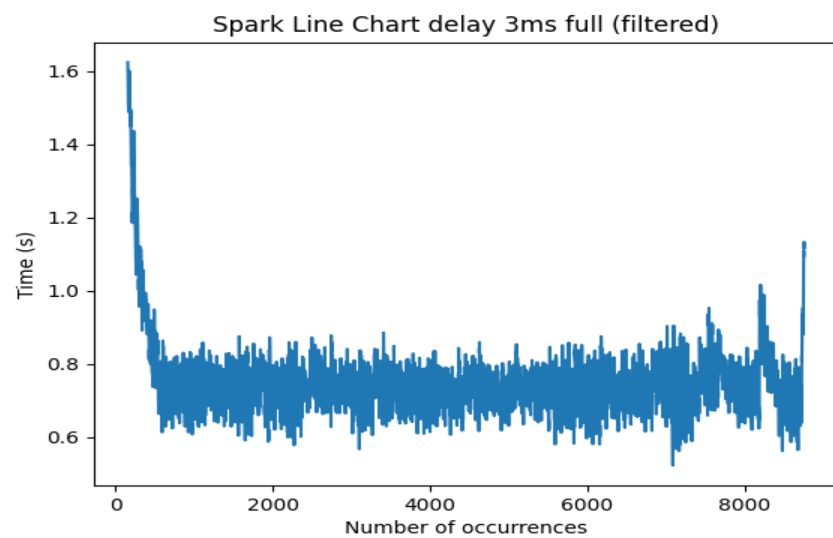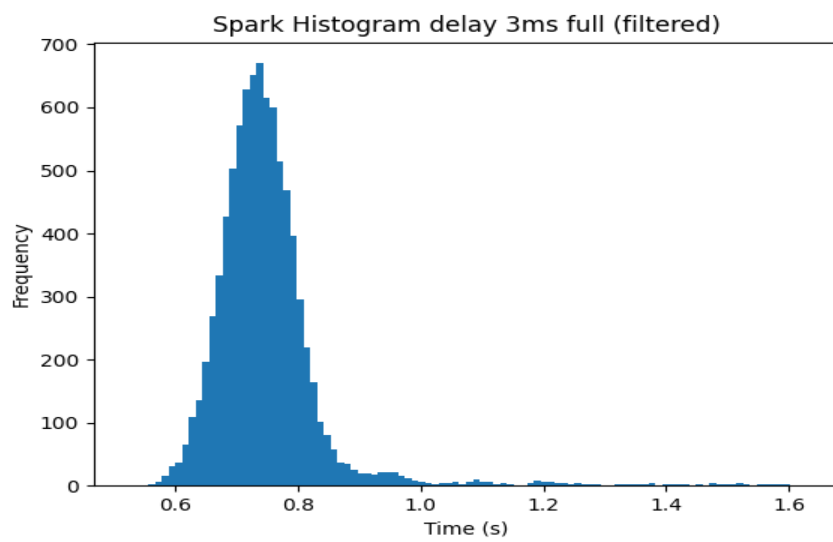Number of data outside the std range: 160

Spark interquartile range

End Subtract Start: 0.07981666666666676

Spark mean

End Subtract Start: 0.784478409436834

Spark Histogram delay 3ms full

Spark Line Chart delay 3ms full

Spark Box Chart delay 3ms full

Spark Histogram delay 3ms full (filtered)

Spark Line Chart delay 3ms full (filtered)

Air Quality Chart

Spark test setup (sparkDelay0Full)

Technology: Spark Structured Streaming

Producer Delay (Send next message): 0ms

Full data set (qty): 8760

Number of tests performed: 15

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

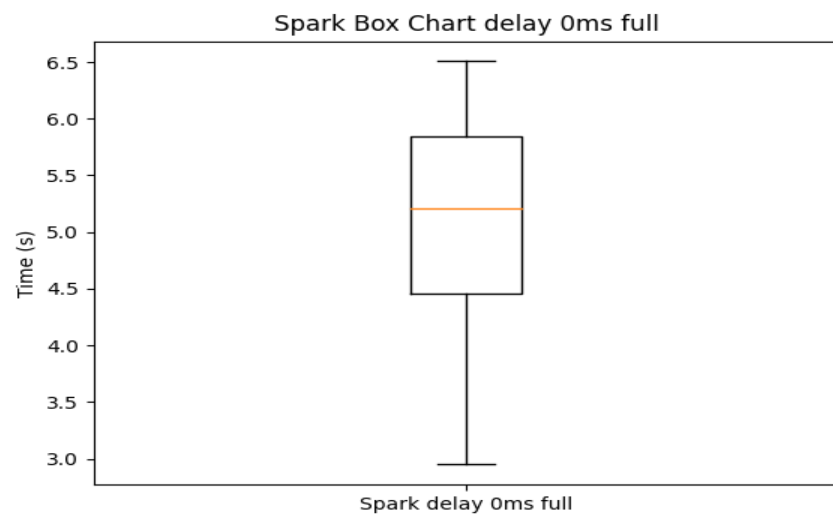End Subtract Start: 5.204633333333333
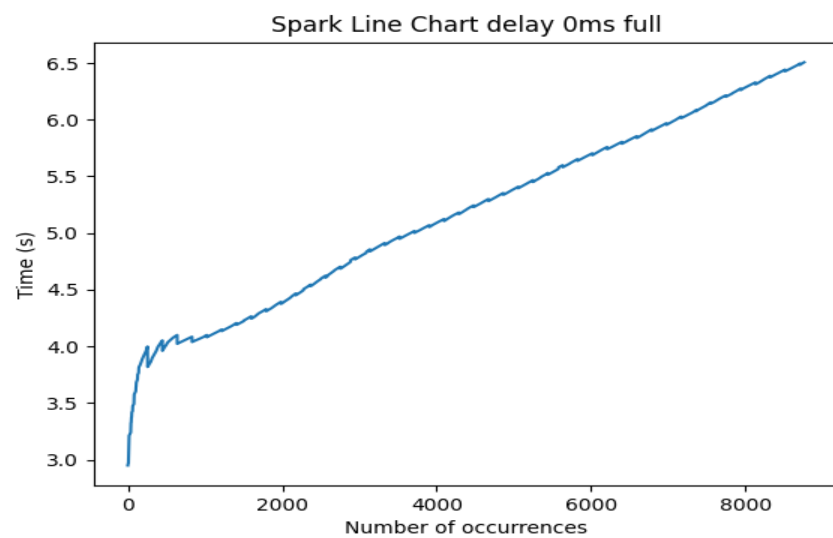
Spark standard deviation

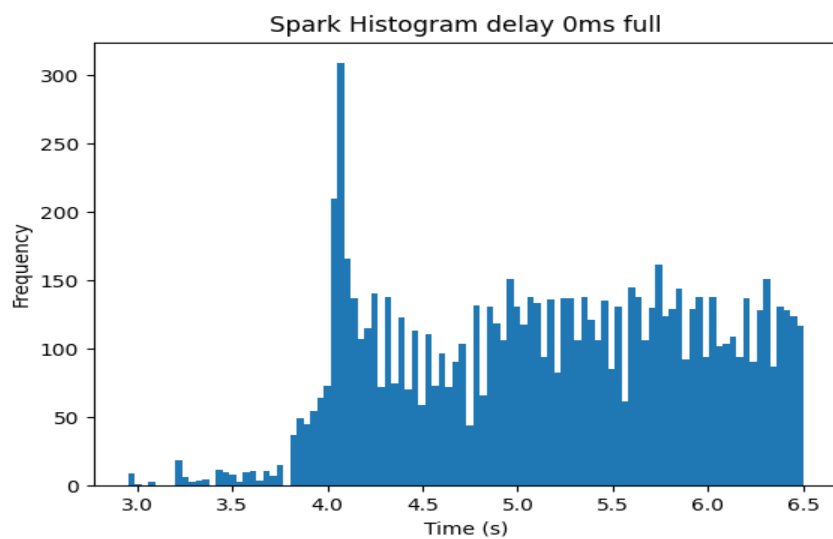End Subtract Start: 0.7962367550858551

Lower Bound: 2.7820050619874865

Upper Bound: 7.559425592502617

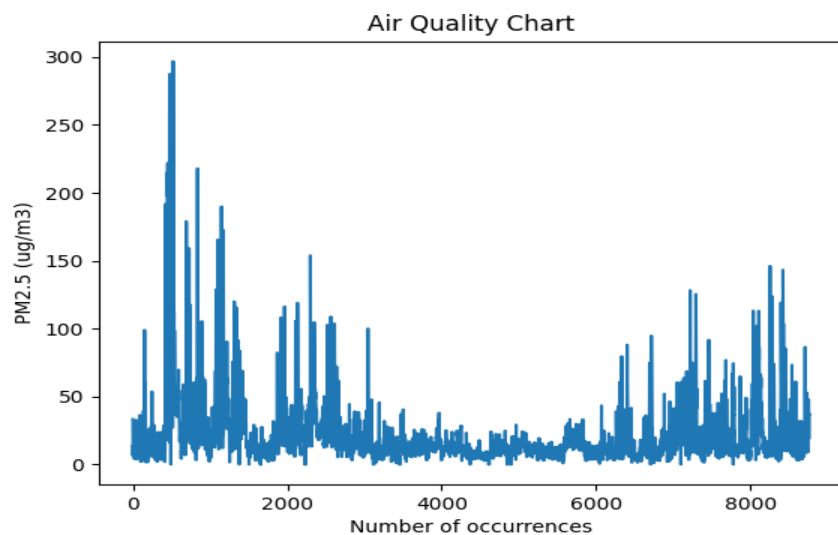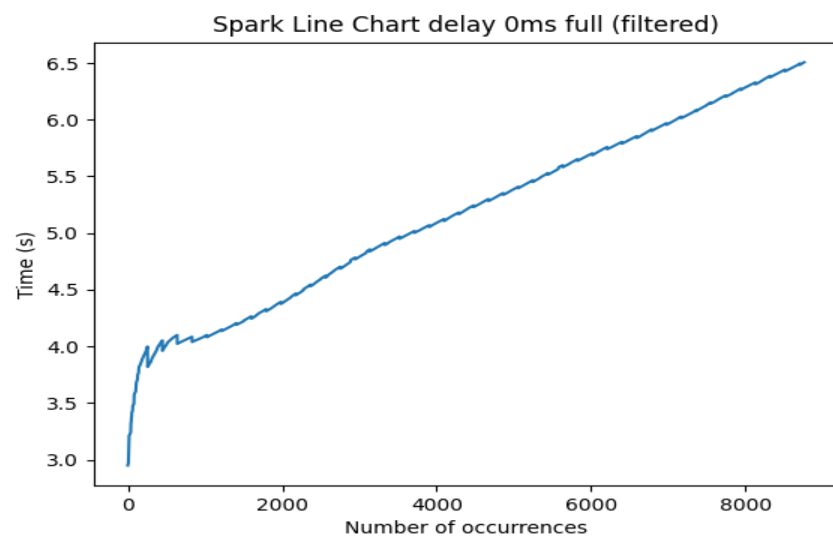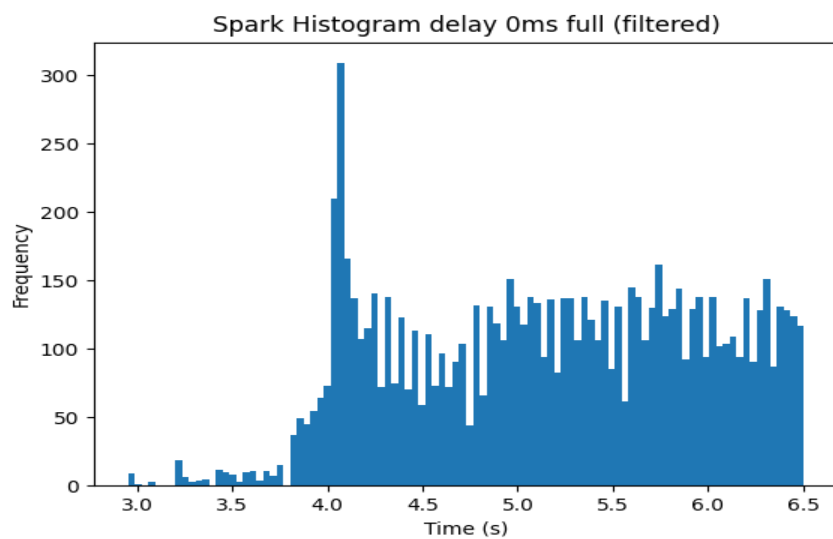Number of data in the std range: 8760

Number of data outside the std range: 0

Spark interquartile range

End Subtract Start: 1.381149999999999

Spark mean

End Subtract Start: 5.170715327245052

Spark Histogram delay 0ms full

Spark Line Chart delay 0ms full

Spark Box Chart delay 0ms full

Spark Histogram delay 0ms full (filtered)

Spark Line Chart delay 0ms full (filtered)

Air Quality Chart

Spark test setup (sparkDelay0Half)

Technology: Spark Structured Streaming

Producer Delay (Send next message): 0ms

Full data set (qty): 4380

Number of tests performed: 15

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 5.013833333333333

Spark standard deviation

End Subtract Start: 0.41598221486393583

Lower Bound: 3.7944686522118465

Upper Bound: 6.290361941395461

Number of data in the std range: 4380

Number of data outside the std range: 0

Spark interquartile range

End Subtract Start: 0.7380499999999994

Spark mean

End Subtract Start: 5.042415296803654

Spark Histogram delay 0ms half

Spark Line Chart delay 0ms half

Spark Box Chart delay 0ms half

Spark Histogram delay 0ms half (filtered)

Spark Line Chart delay 0ms half (filtered)

Air Quality Chart