Kafka test setup (kafkaDelay3Full)

Technology: Kafka Streams

Producer Delay (Send next message): 3ms

Full data set (qty): 8760

Number of tests performed: 10

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 0.0878

Kafka standard deviation

End Subtract Start: 0.29746752852963587

Lower Bound: -0.7343188641277204
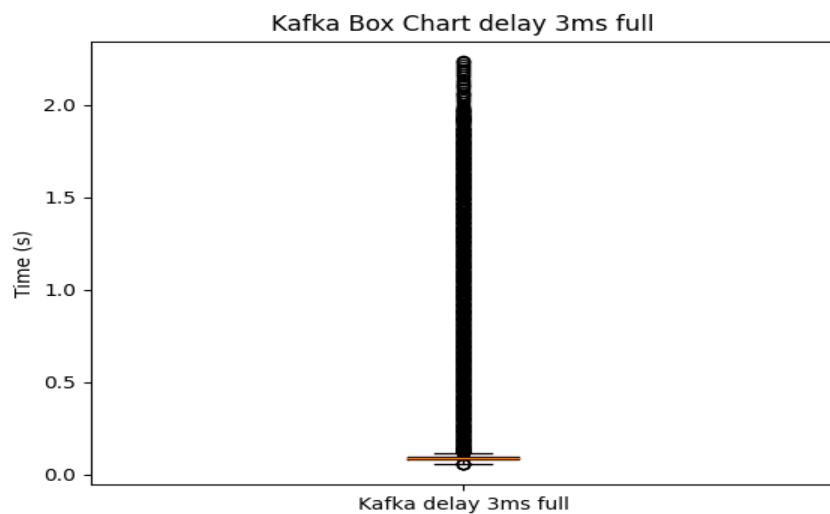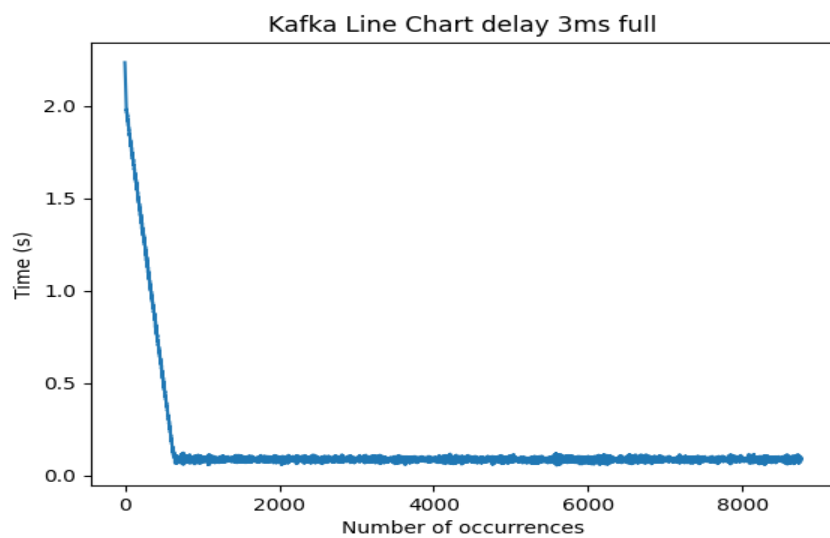
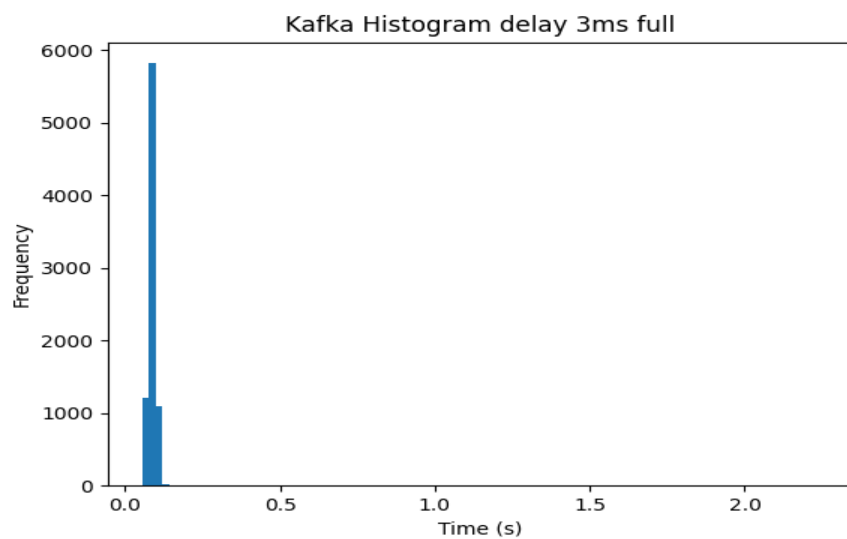UpperBound: 1.050486307050095

Number of data in the std range: 8436

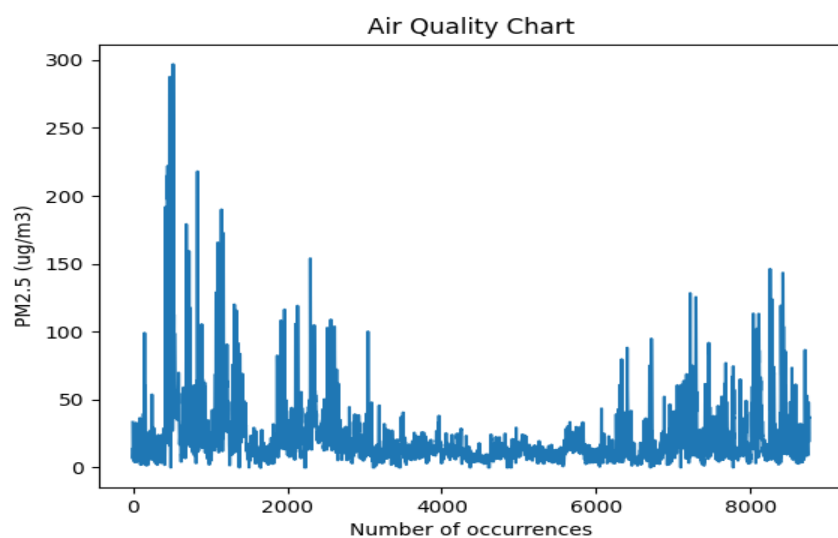Number of data outside the std range: 324
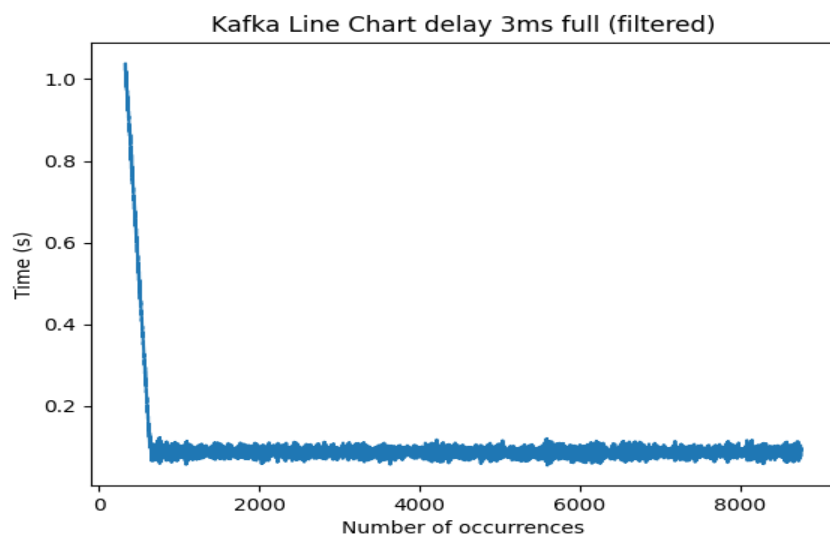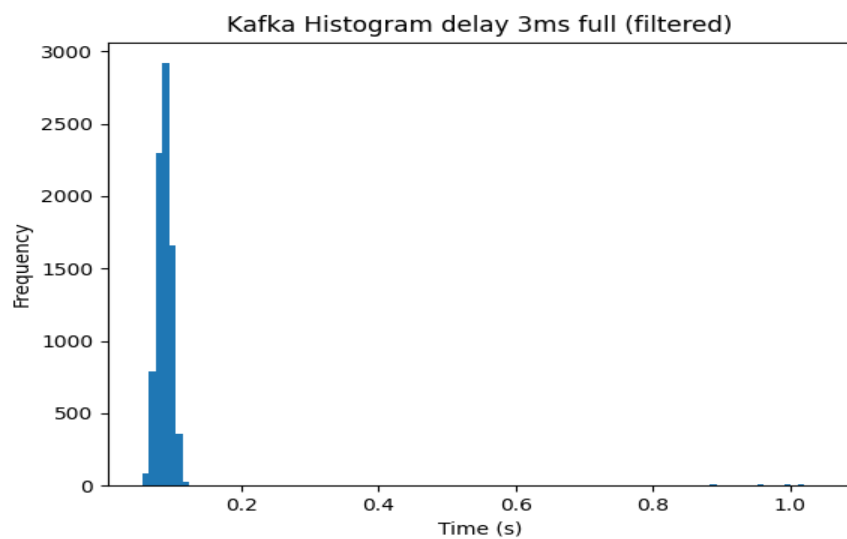
Kafka interquartile range

End Subtract Start: 0.01529999999999998

Kafka mean

End Subtract Start: 0.1580837214611872

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: 10

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 4.084300000000001

Kafka standard deviation

End Subtract Start: 0.7532552960723539

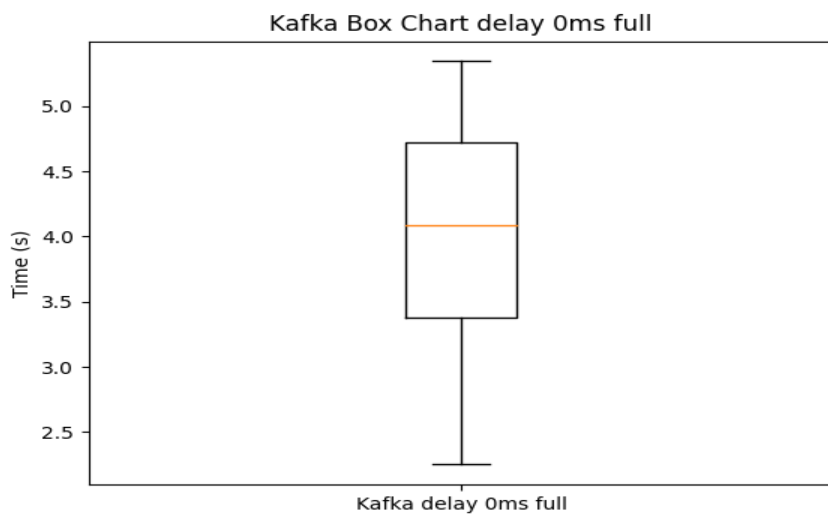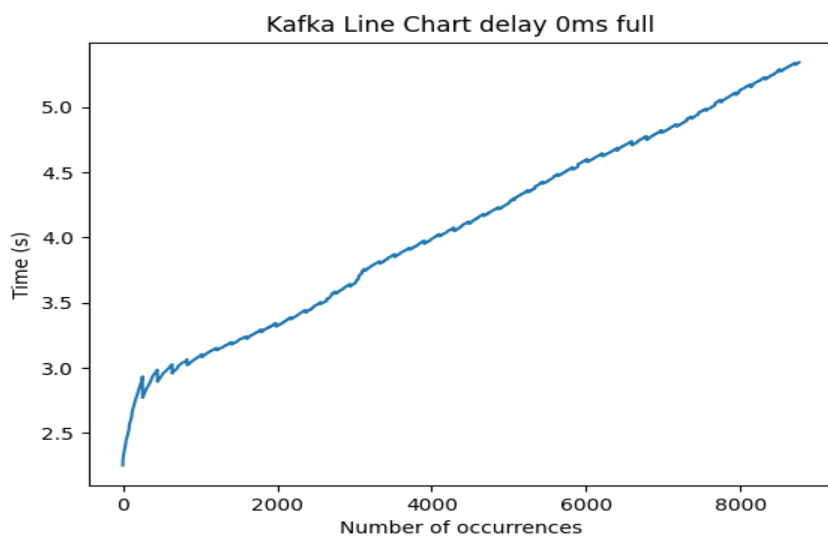Lower Bound: 1.8101147168057699

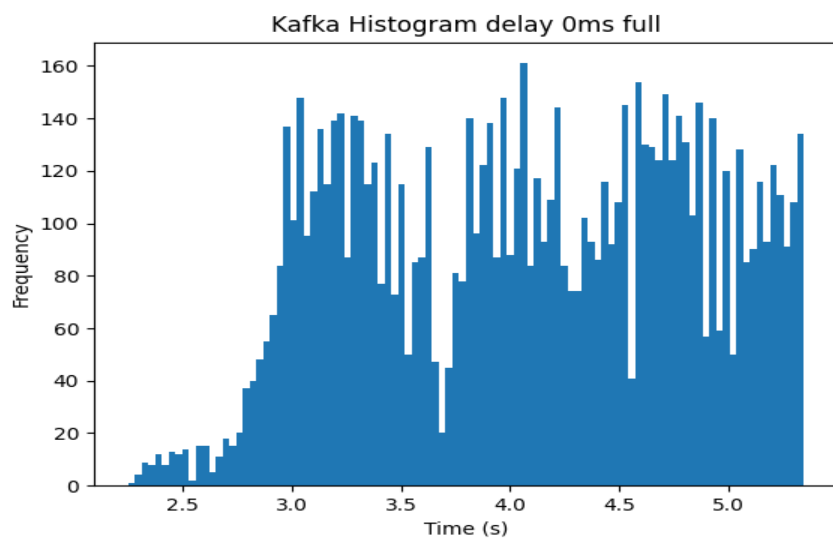Upper Bound: 6.329646493239893

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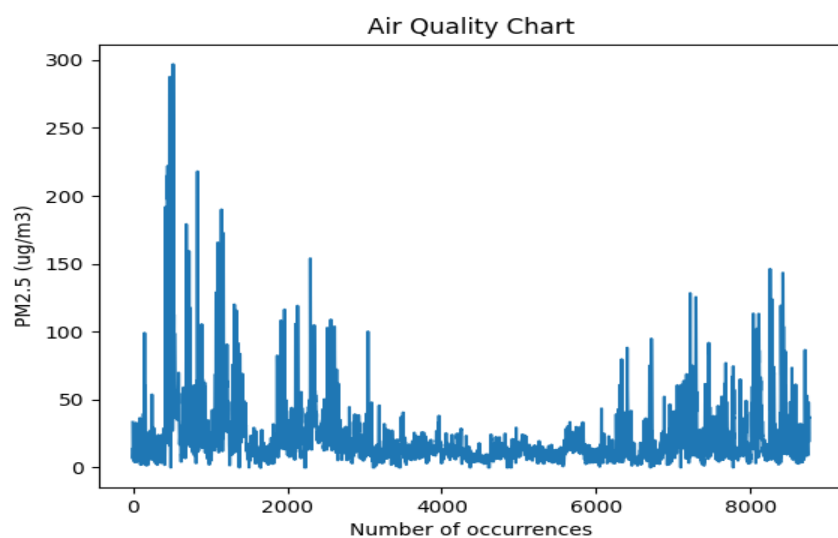
Number of data outside the std range: 0
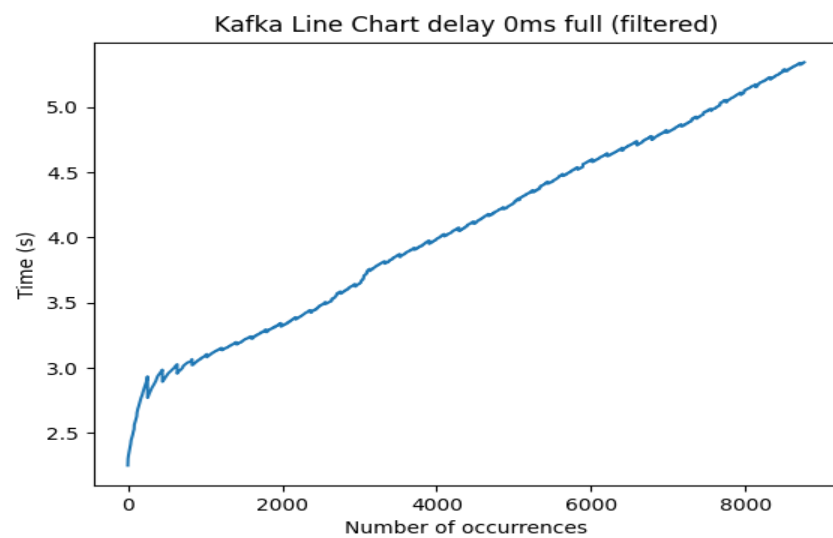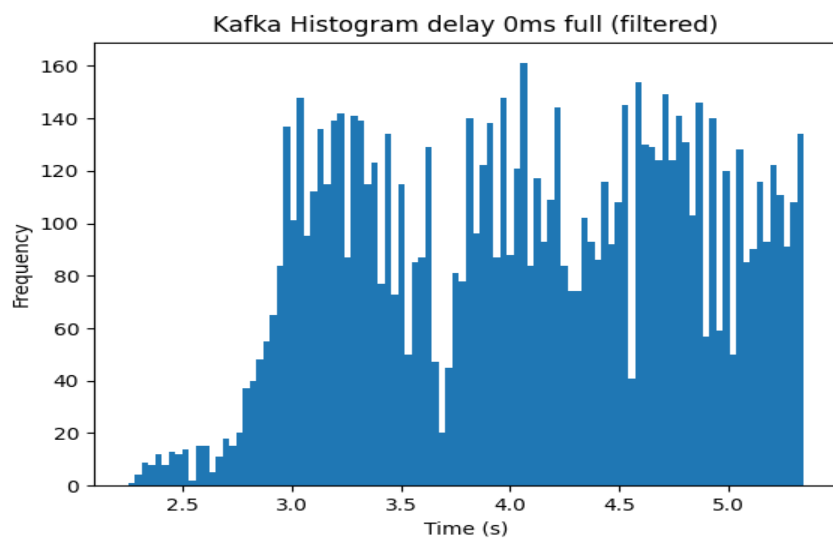
Kafka interquartile range

End Subtract Start: 1.3372999999999995

Kafka mean

End Subtract Start: 4.069880605022831

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: 10

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 4.57375

Kafka standard deviation

End Subtract Start: 0.41569180852261495

Lower Bound: 3.4225120858476803

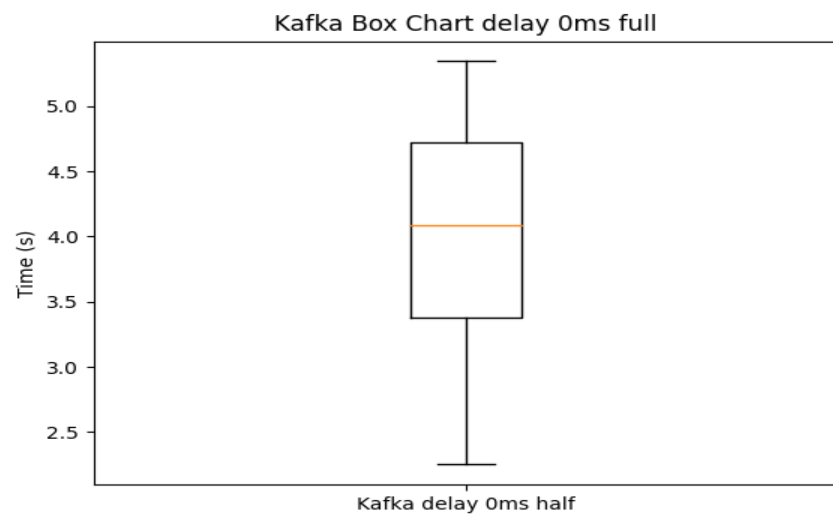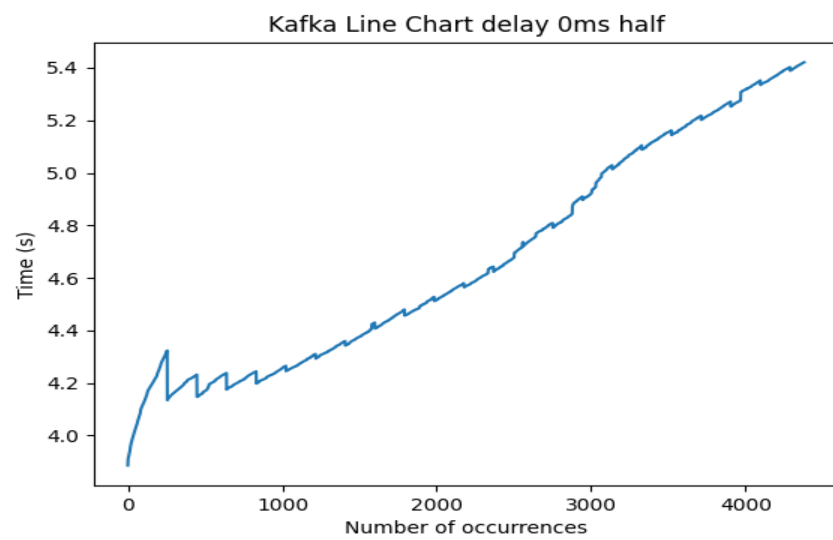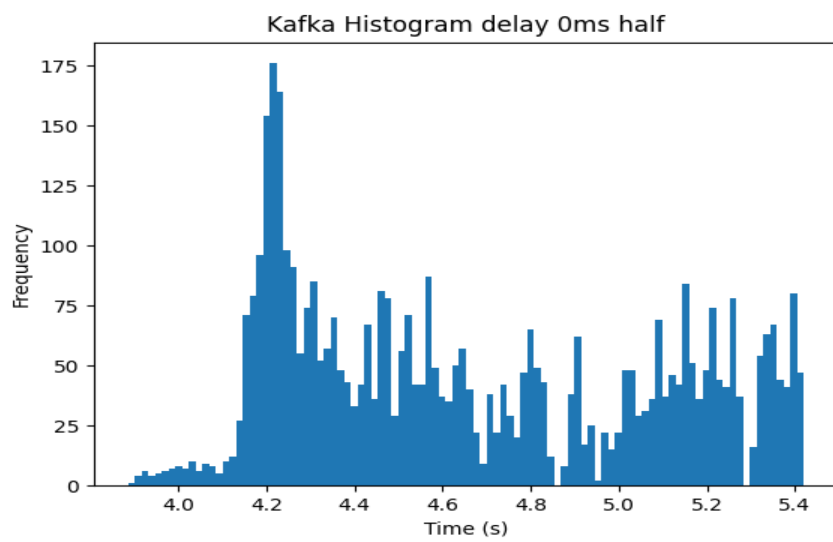Upper Bound: 5.91666293698337

Number of data in the std range: 4380

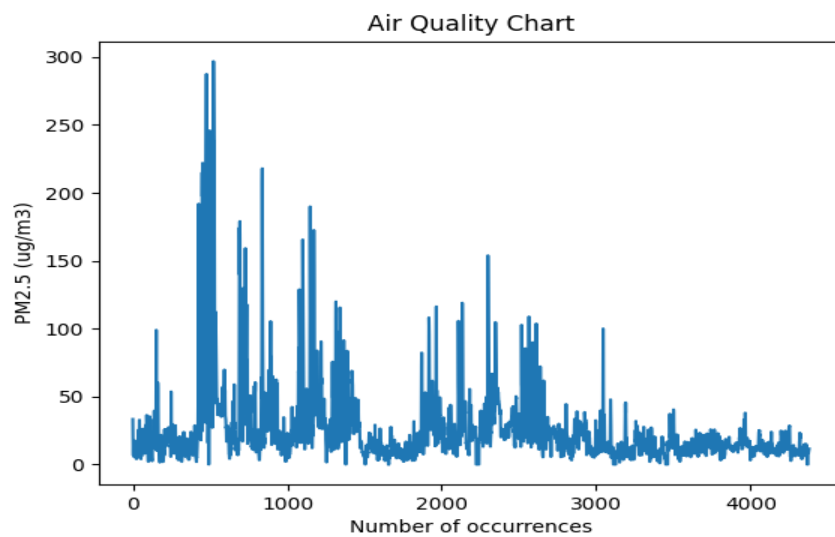Number of data outside the std range: 0

Kafka interquartile range

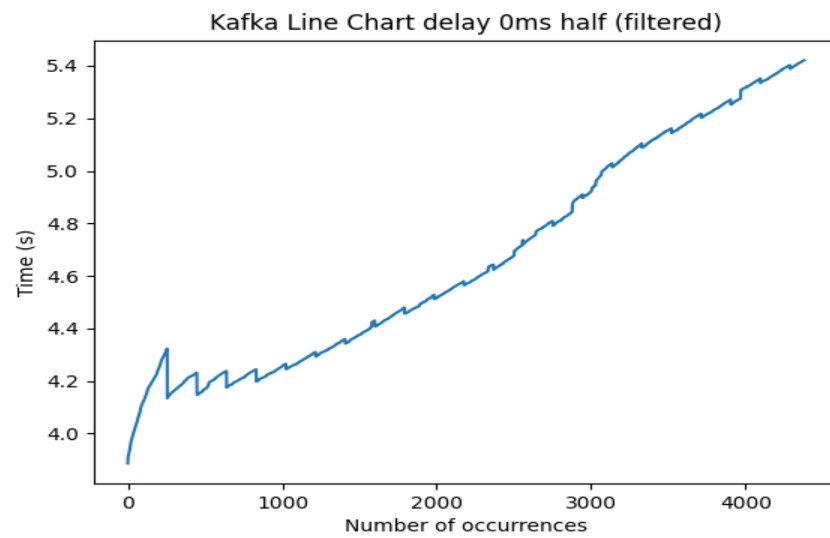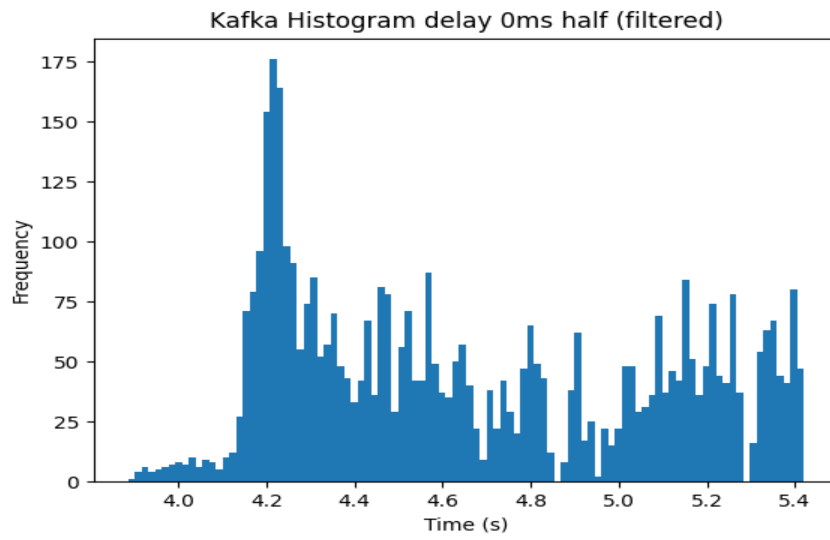End Subtract Start: 0.8049

Kafka mean

End Subtract Start: 4.669587511415525

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: 10

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

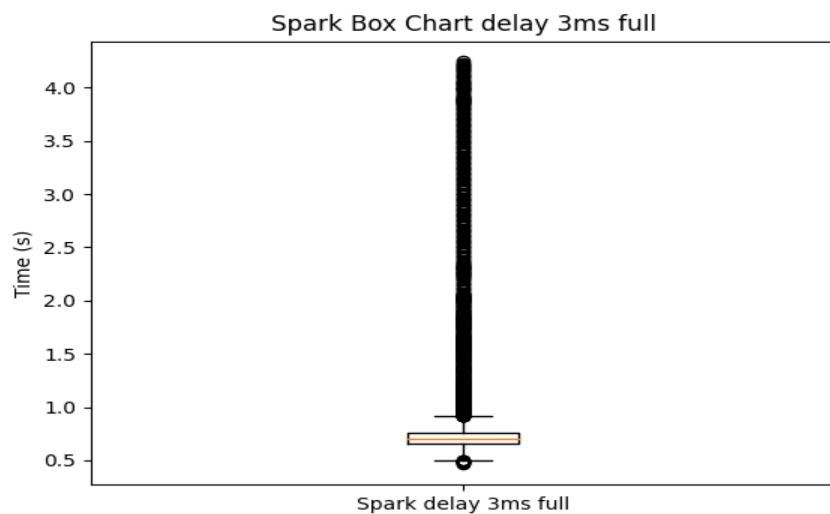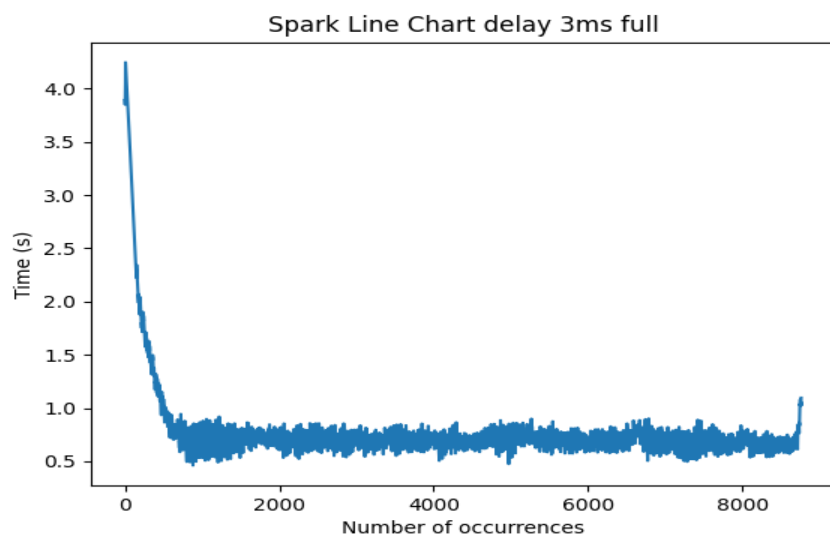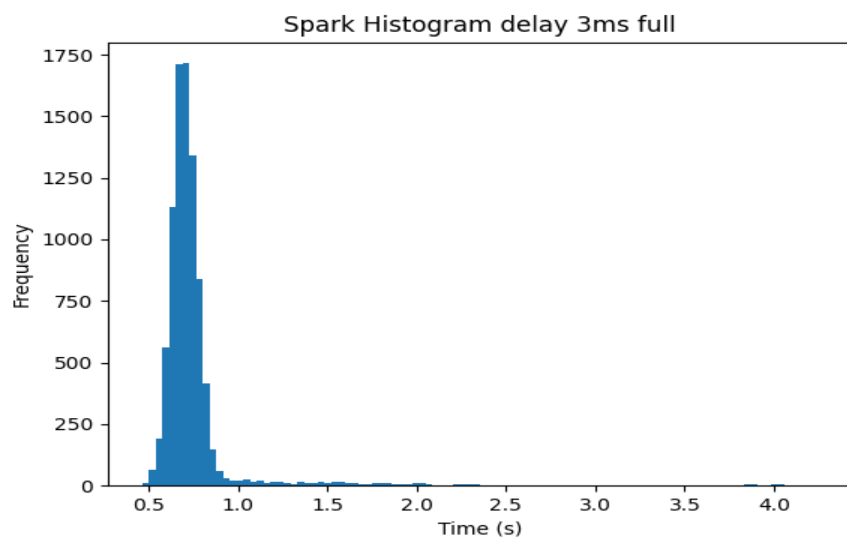End Subtract Start: 0.7031499999999999

Spark standard deviation

End Subtract Start: 0.3902536765655829

Lower Bound: -0.39178685161455706

Upper Bound: 1.9497352077789405

Number of data in the std range: 8560

Number of data outside the std range: 200
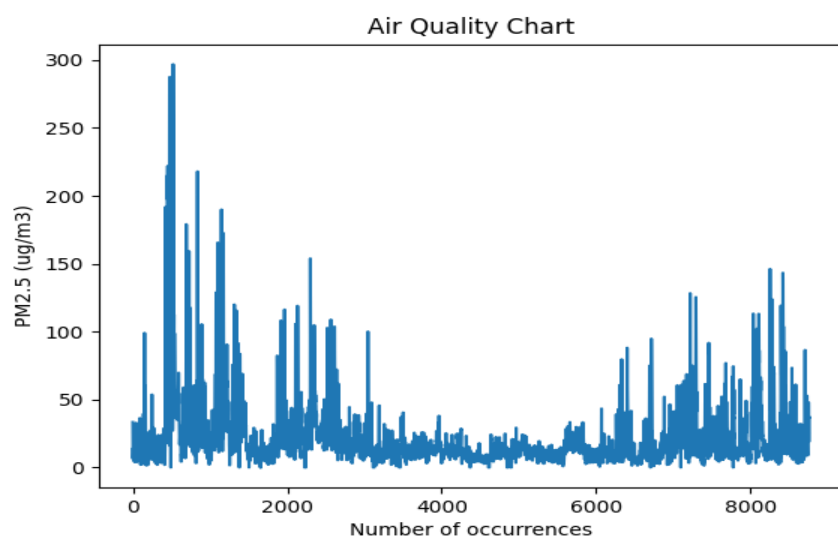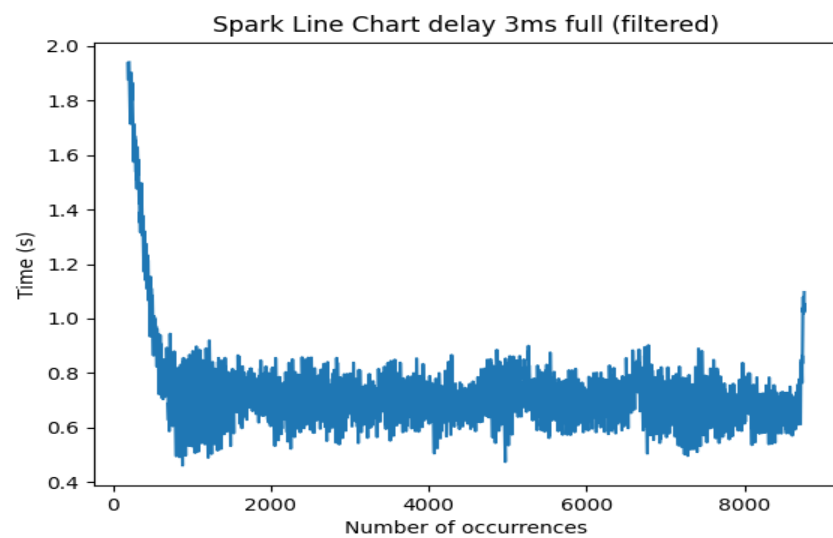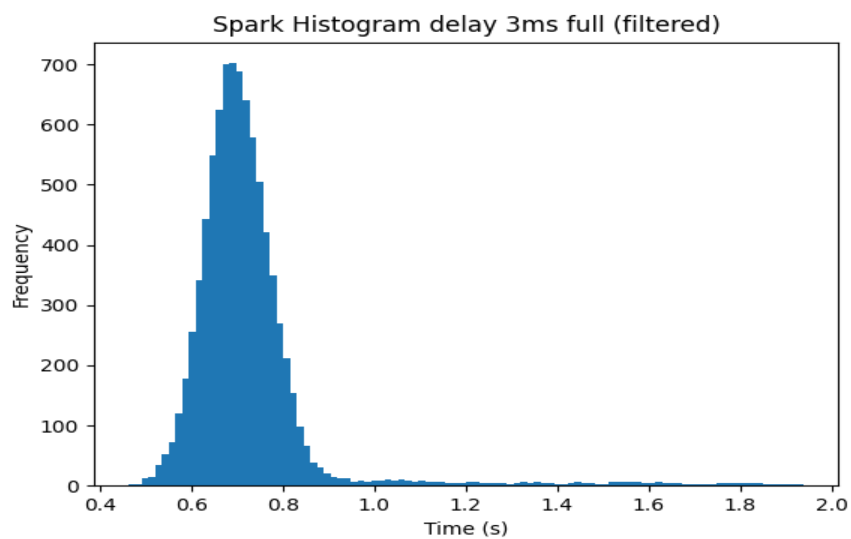
Spark interquartile range

End Subtract Start: 0.10270000000000001

Spark mean

End Subtract Start: 0.7789741780821917

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: 10

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 5.99275
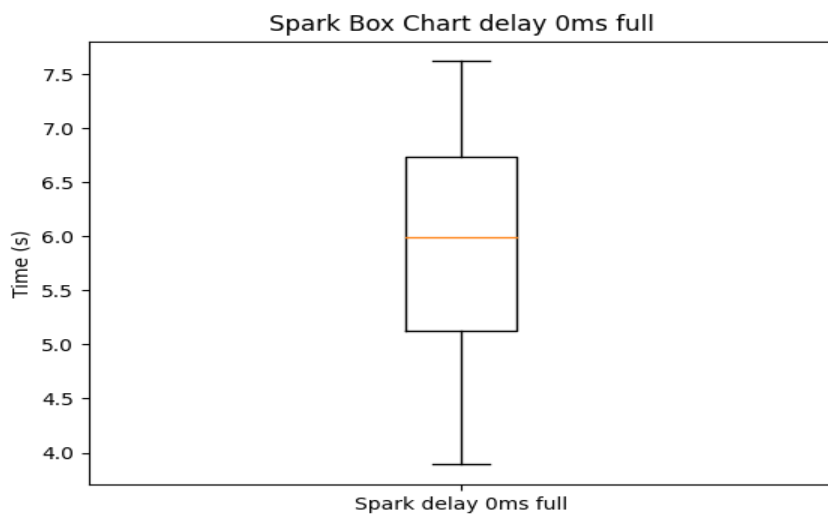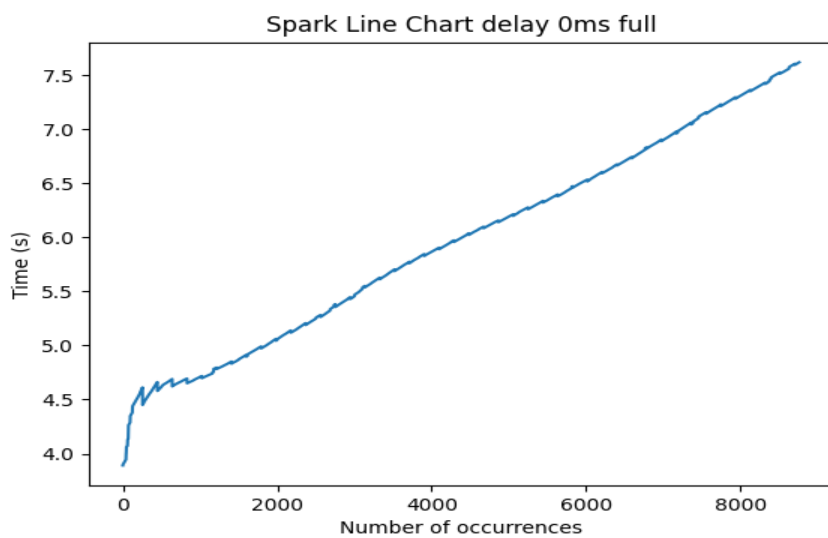
Spark standard deviation

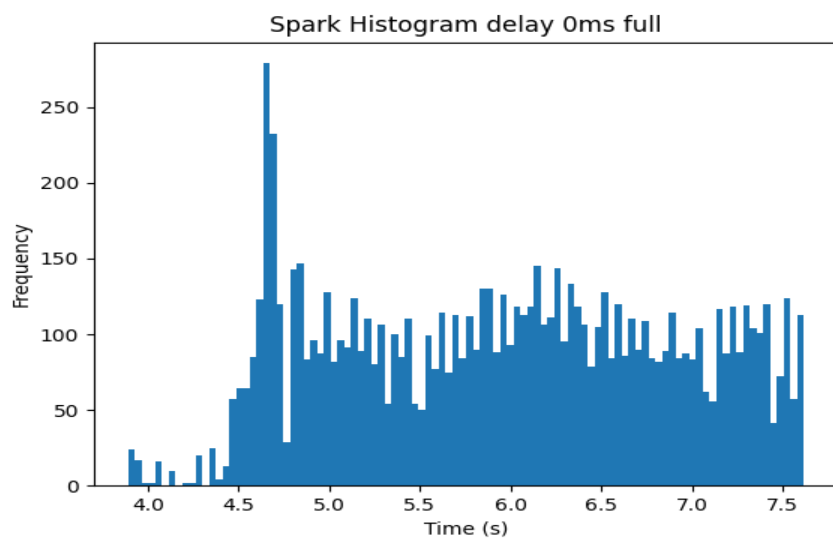End Subtract Start: 0.9320117542328076

Lower Bound: 3.16836538798651

Upper Bound: 8.760435913383356

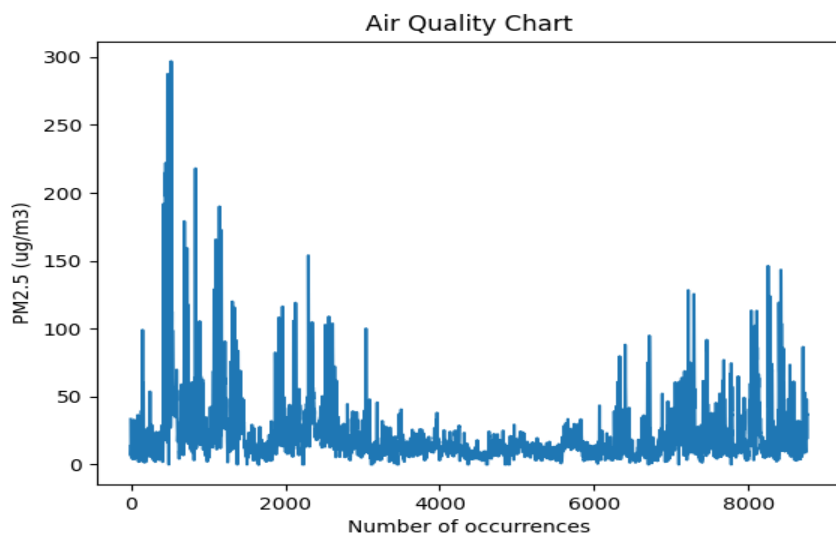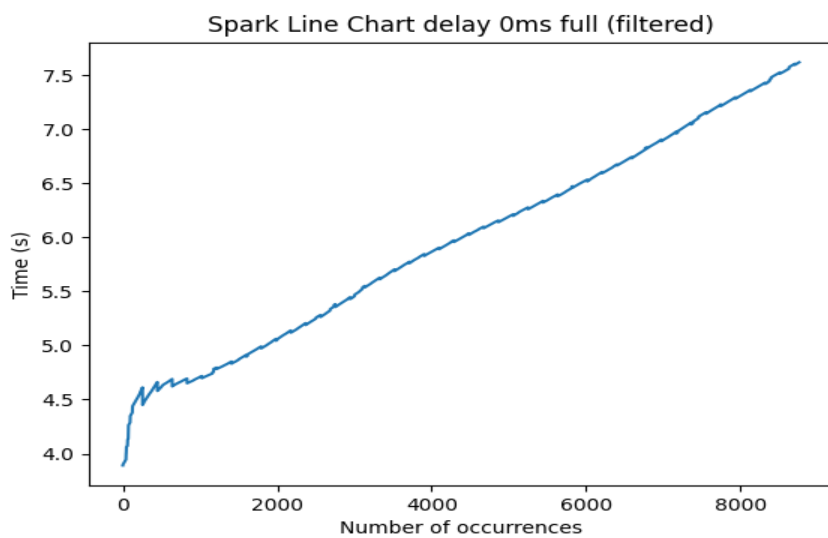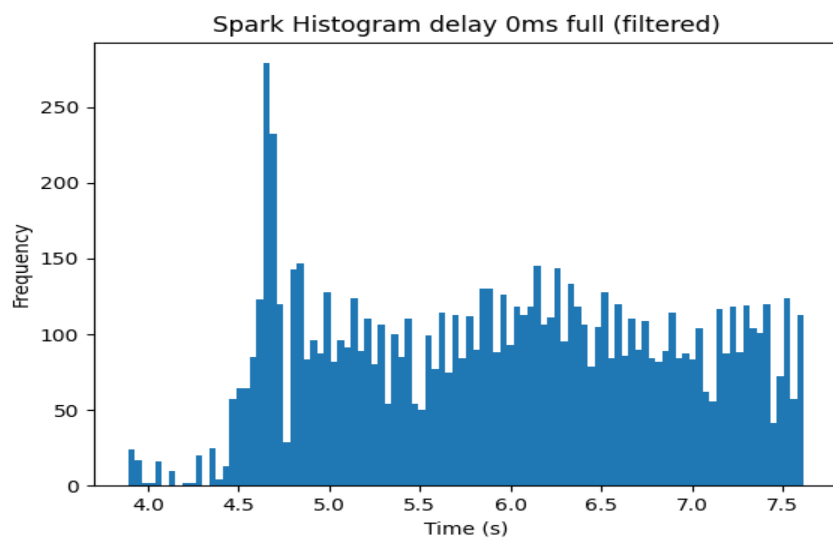Number of data in the std range: 8760

Number of data outside the std range: 0

Spark interquartile range

End Subtract Start: 1.6011000000000006

Spark mean

End Subtract Start: 5.964400650684933

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: 10

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 4.84605

Spark standard deviation

End Subtract Start: 0.44582104645675213

Lower Bound: 3.57395649533294

Upper Bound: 6.2488827740734525

Number of data in the std range: 4380

Number of data outside the std range: 0

Spark interquartile range

End Subtract Start: 0.841499999999999

Spark mean

End Subtract Start: 4.911419634703196

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