Kafka test setup (kafkaDelay3Full)

Technology: Kafka Streams

Producer Delay (Send next message): 3ms

Full data set (qty): 8760

Number of tests performed: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 0.086

Kafka standard deviation

End Subtract Start: 0.031838625956855

Lower Bound: -0.007050695222163159

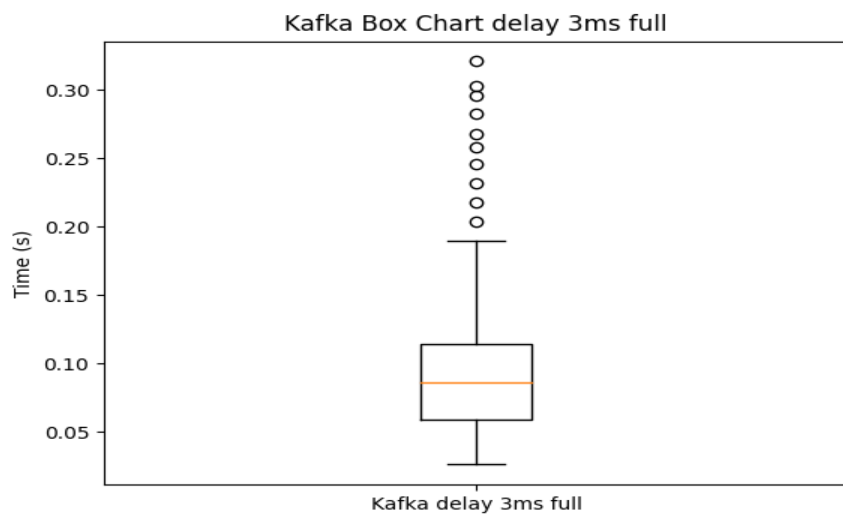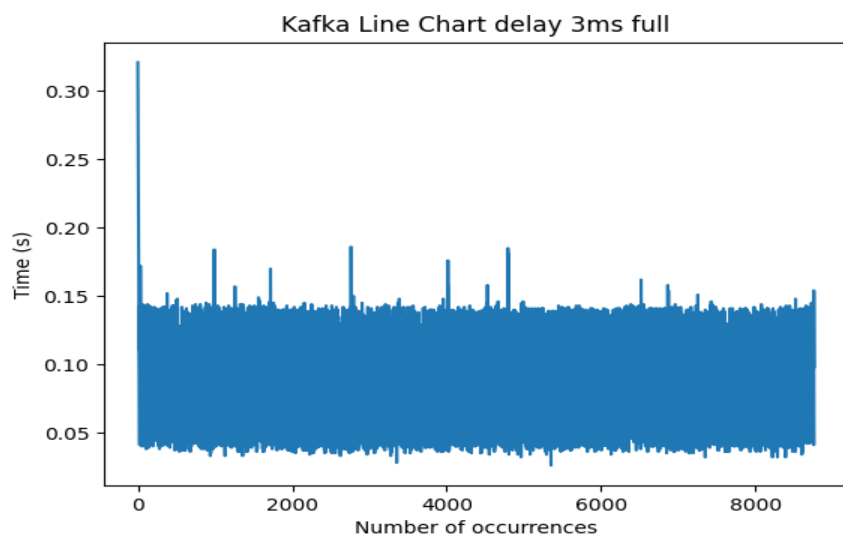UpperBound: 0.18398106051896684
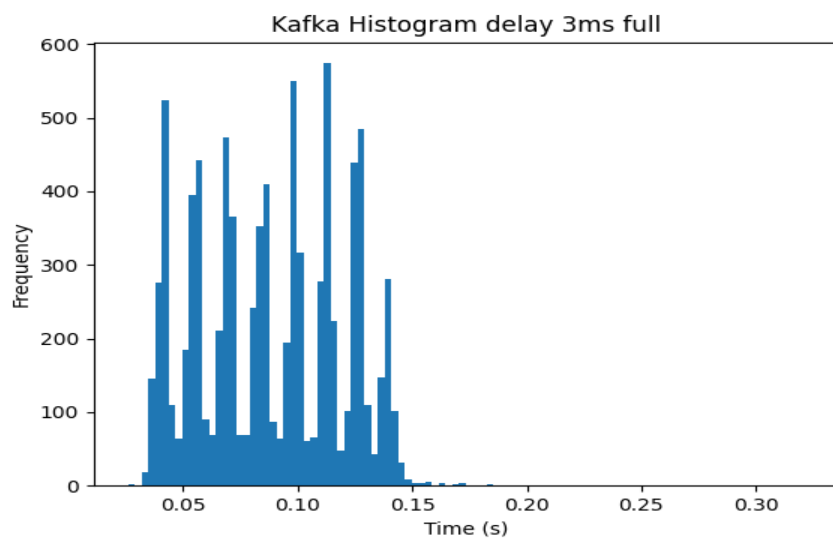
Number of data in the std range: 8746
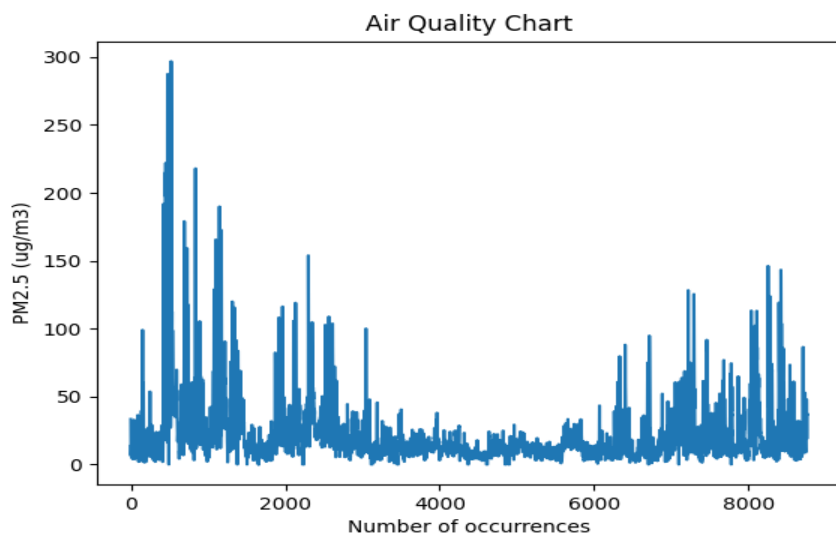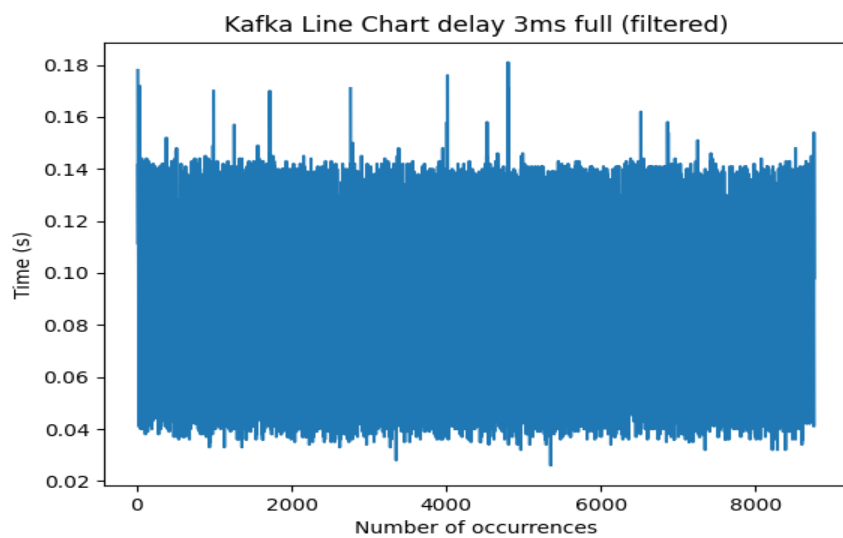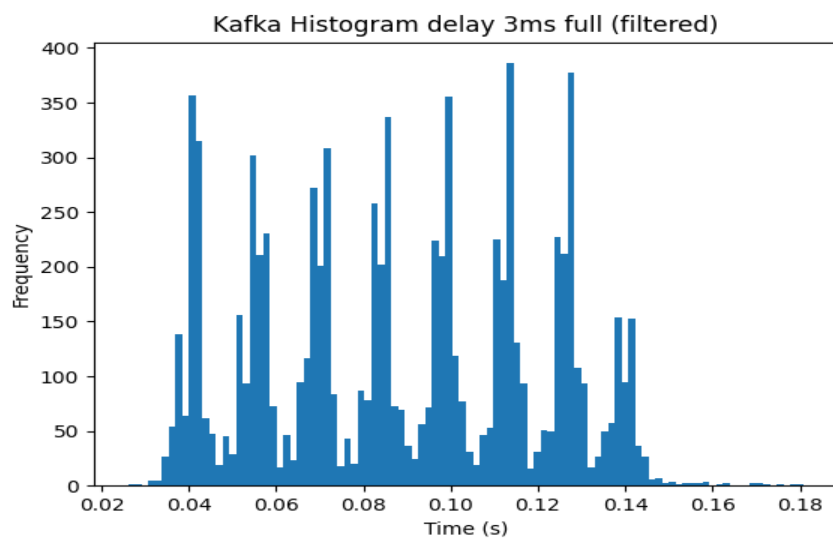
Number of data outside the std range: 14

Kafka interquartile range

End Subtract Start: 0.05500000000000001

Kafka mean

End Subtract Start: 0.08846518264840185

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: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 2.517

Kafka standard deviation

End Subtract Start: 0.8979420284007731

Lower Bound: -0.16419903040779893
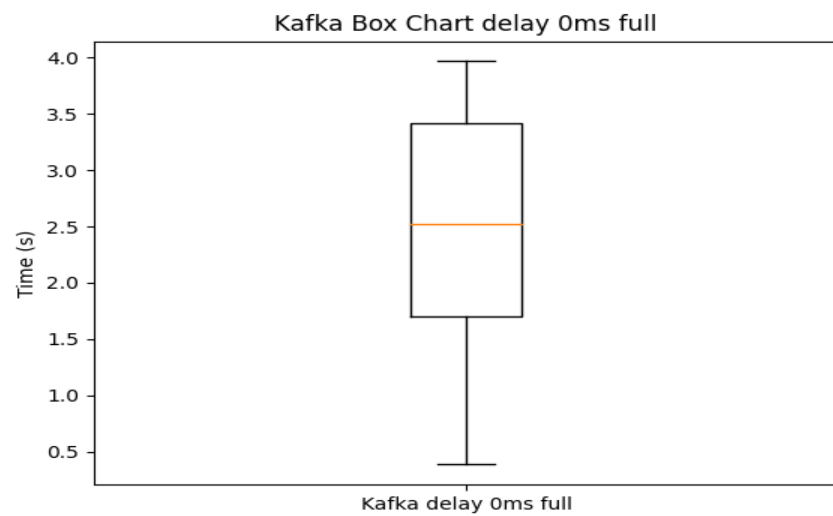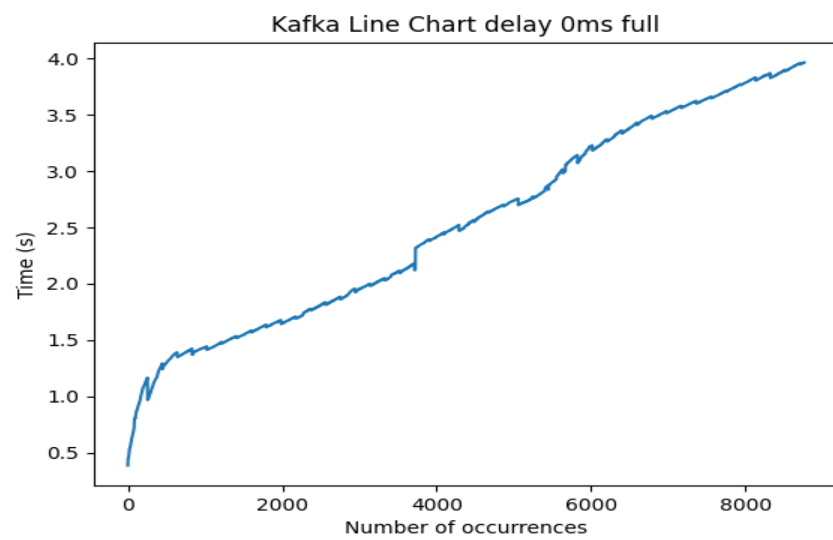
Upper Bound: 5.22345313999684
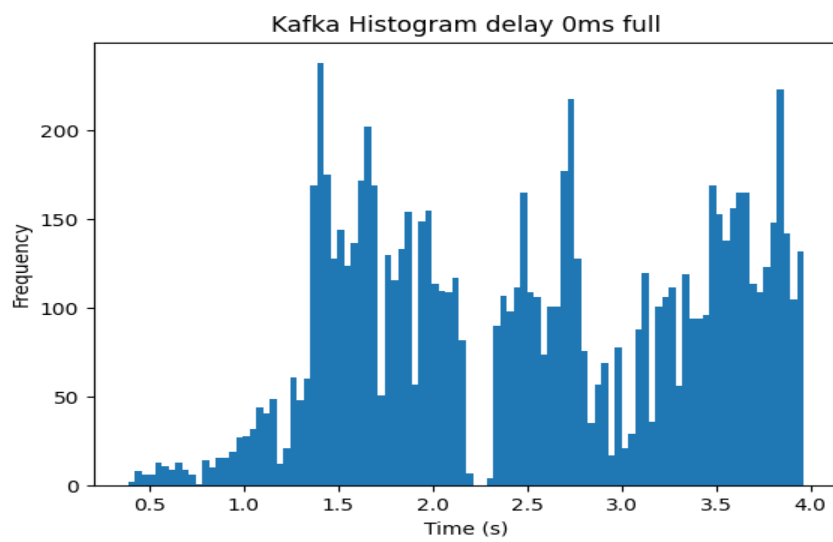
Number of data in the std range: 8760

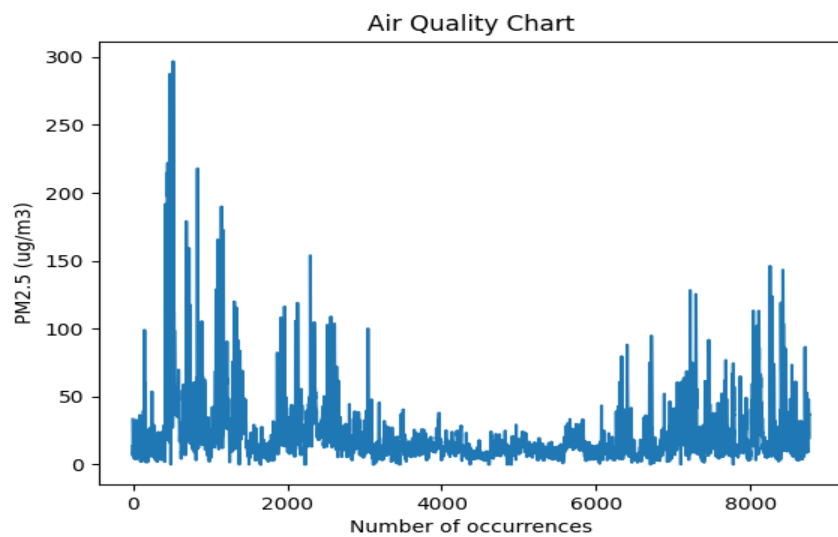Number of data outside the std range: 0

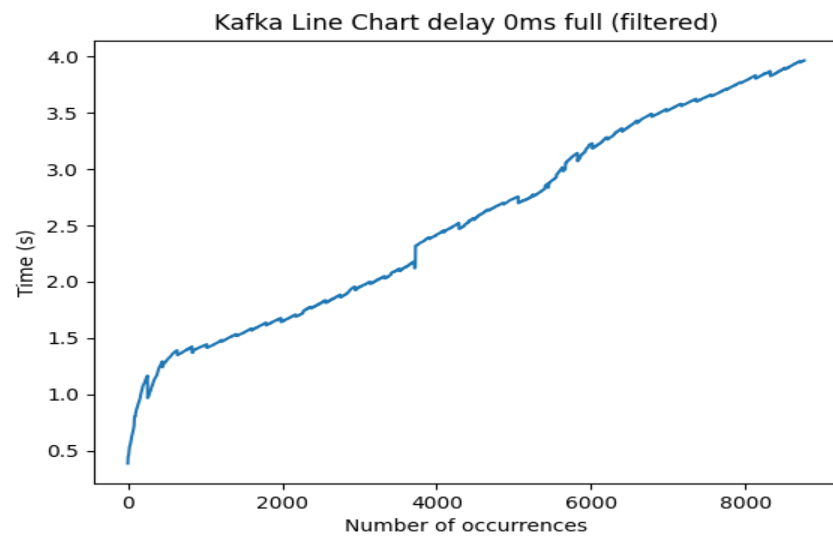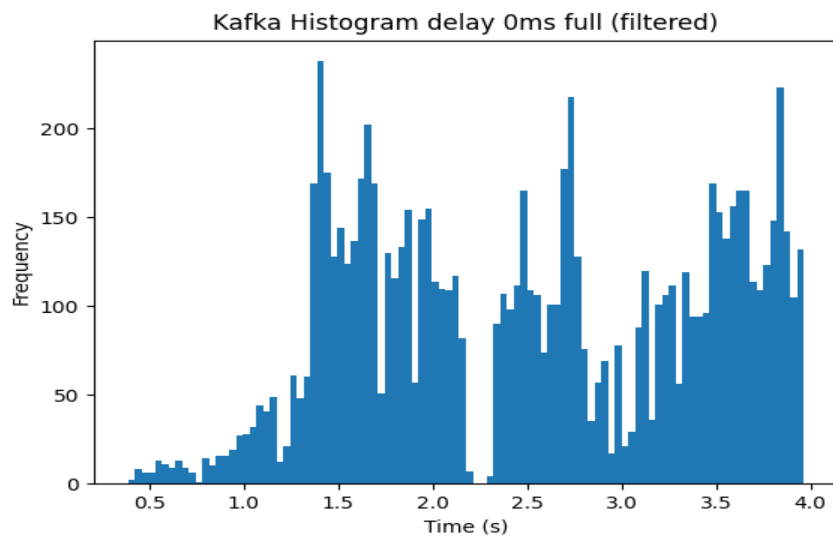## Kafka interquartile range

End Subtract Start: 1.7089999999999999

Kafka mean

End Subtract Start: 2.5296270547945205

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: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Kafka median values

End Subtract Start: 2.25

Kafka standard deviation

End Subtract Start: 1.1918093656227724

Lower Bound: -0.7640655397906917
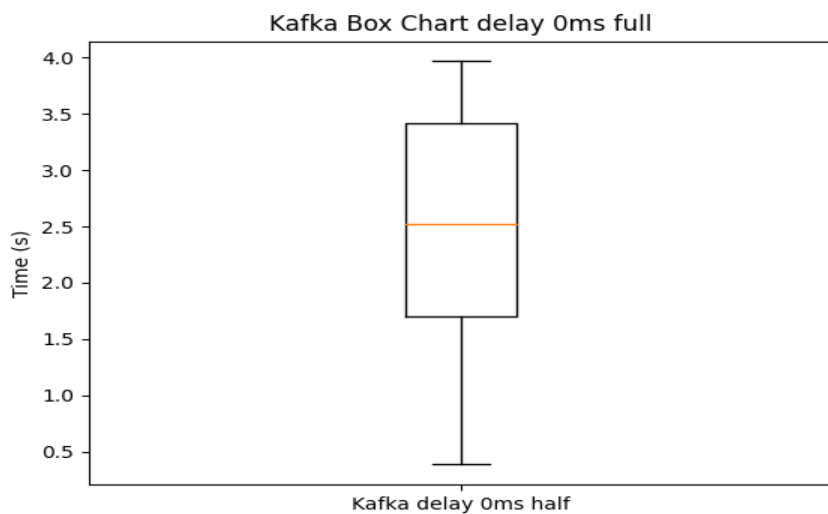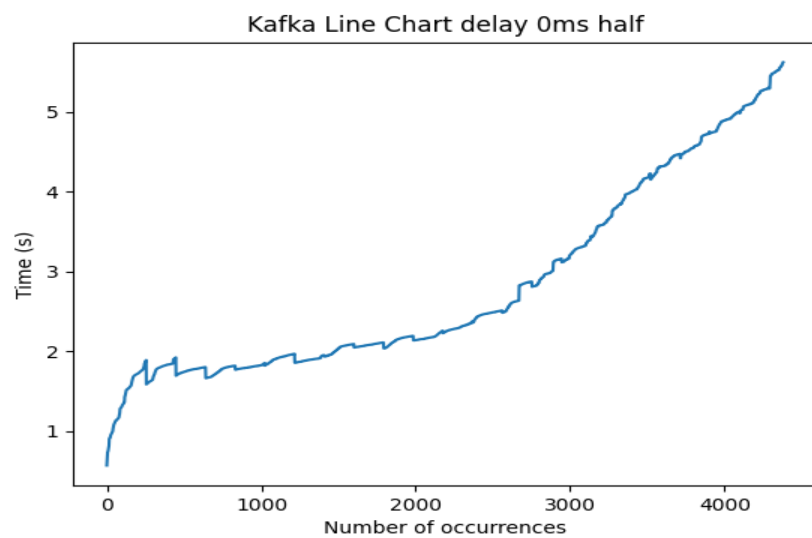
Upper Bound: 6.386790653945943
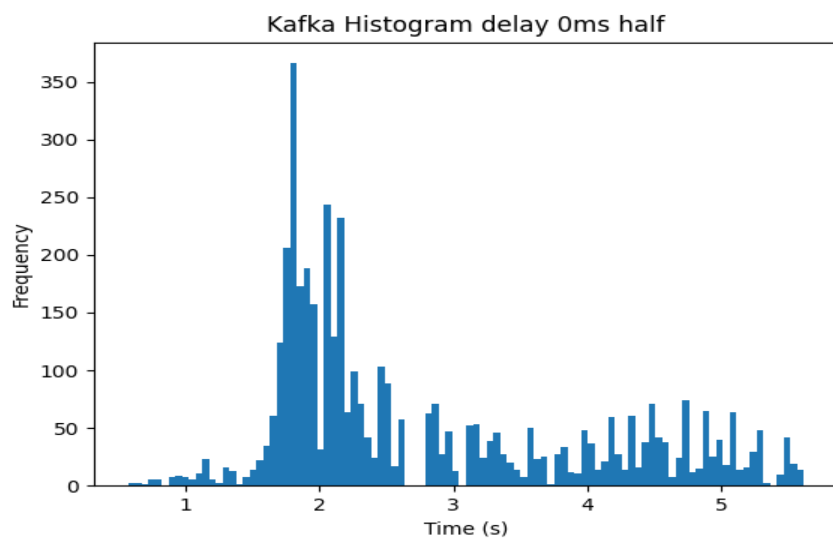
Number of data in the std range: 4380

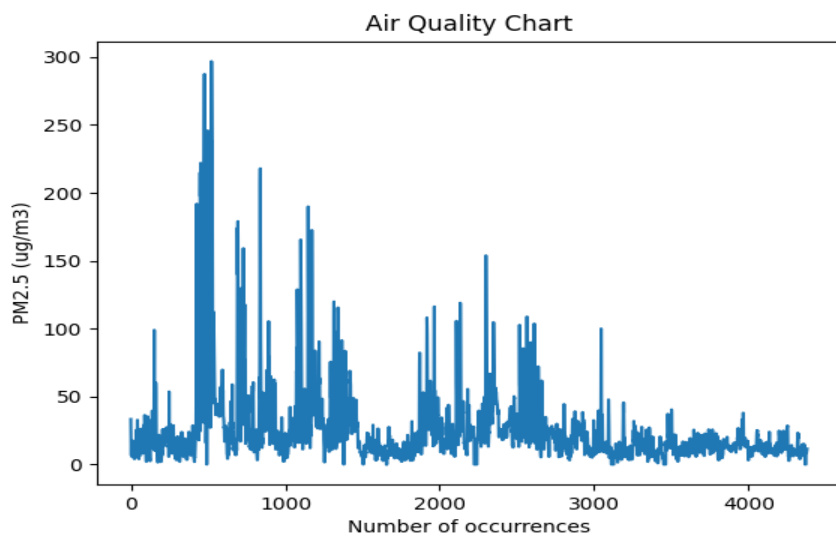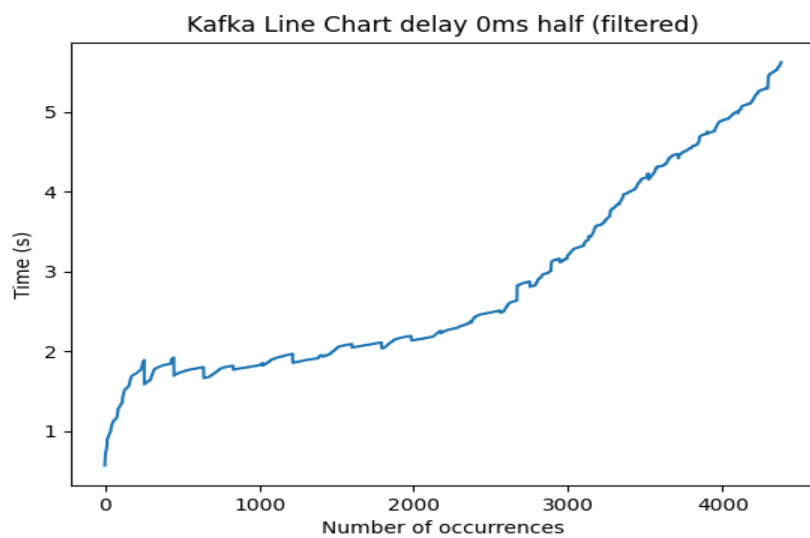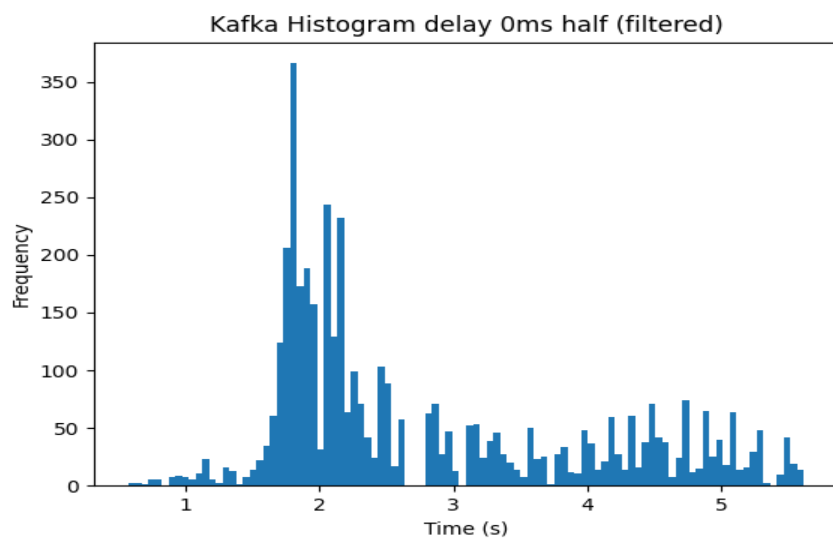Number of data outside the std range: 0

Kafka interquartile range

End Subtract Start: 1.9117499999999998

Kafka mean

End Subtract Start: 2.8113625570776257

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: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 1.424

Spark standard deviation

End Subtract Start: 0.7630455454277979

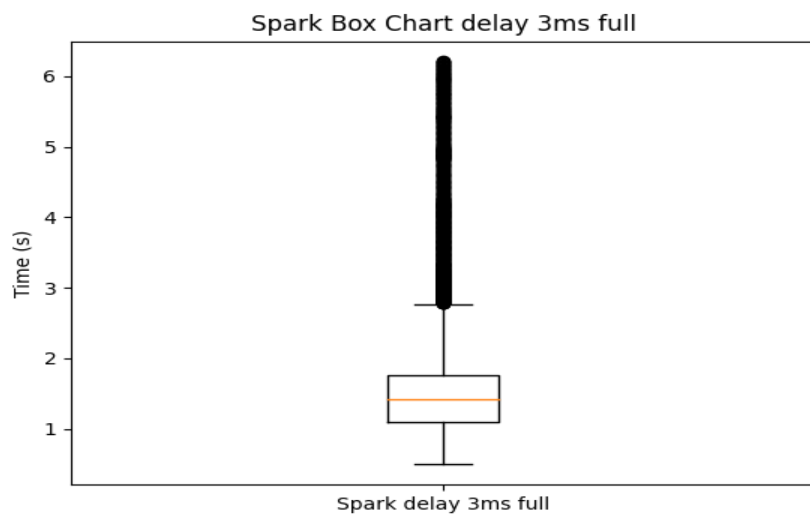Lower Bound: -0.7337020472422975
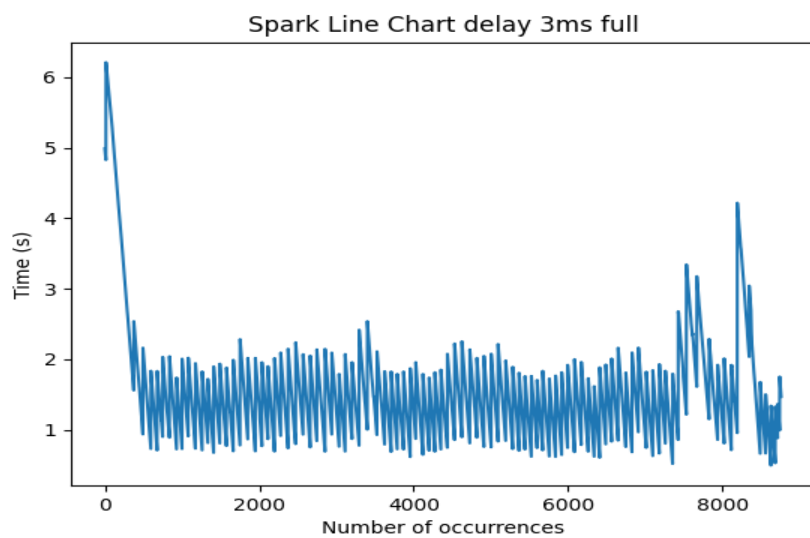
Upper Bound: 3.84457122532449
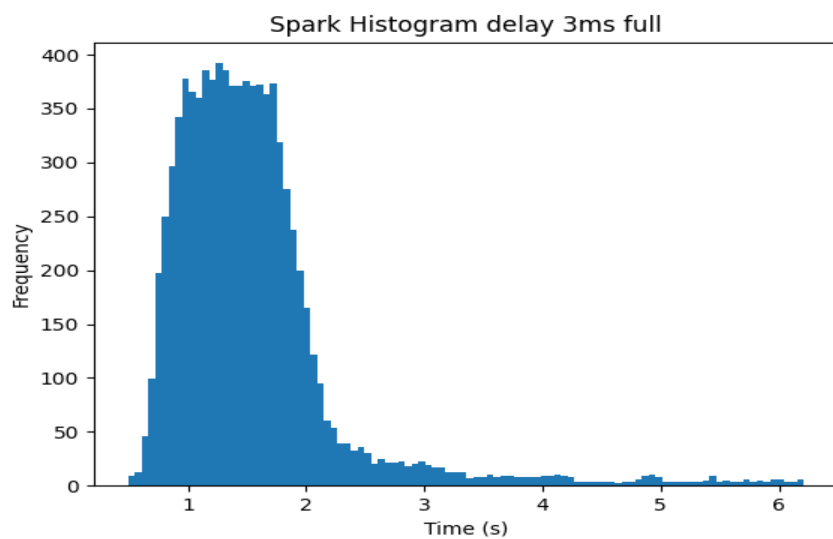
Number of data in the std range: 8527

Number of data outside the std range: 233

Spark interquartile range

End Subtract Start: 0.6705000000000001

Spark mean

End Subtract Start: 1.555434589041096

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: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 10.357

Spark standard deviation

End Subtract Start: 1.1448879124138276

Lower Bound: 6.926223819836142

Upper Bound: 13.795551294319107

Number of data in the std range: 8747
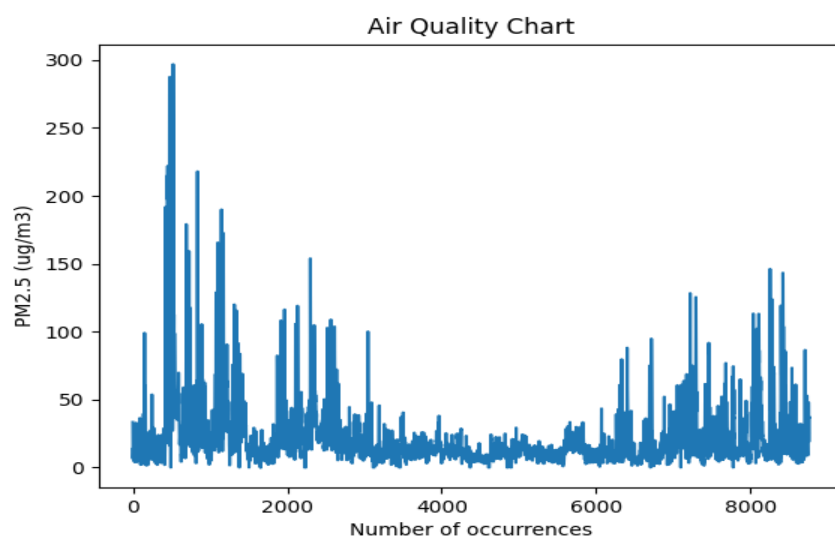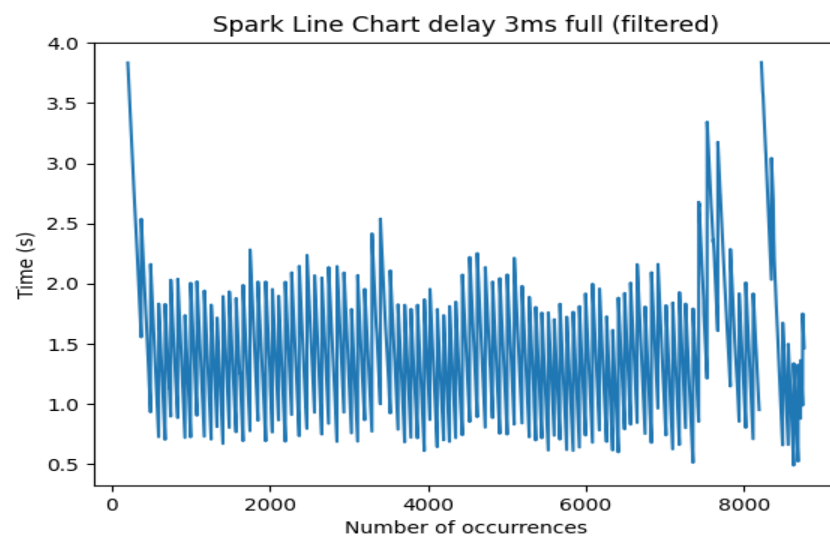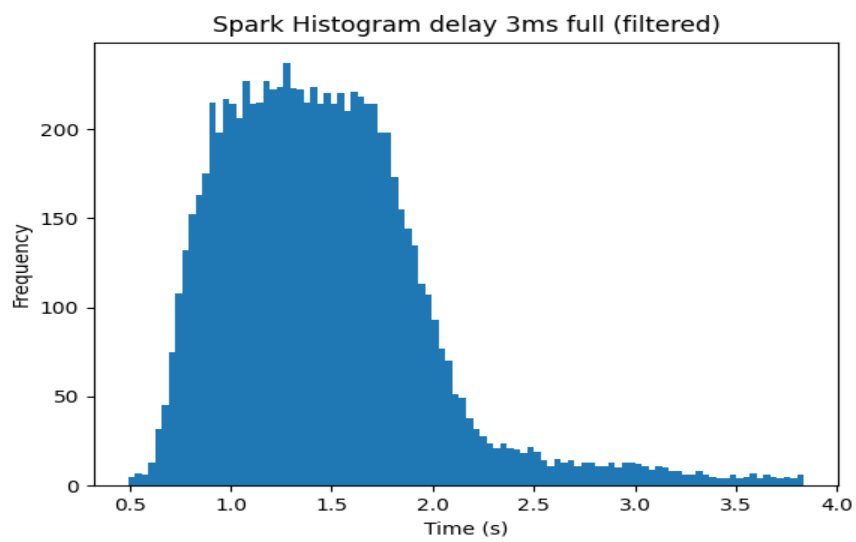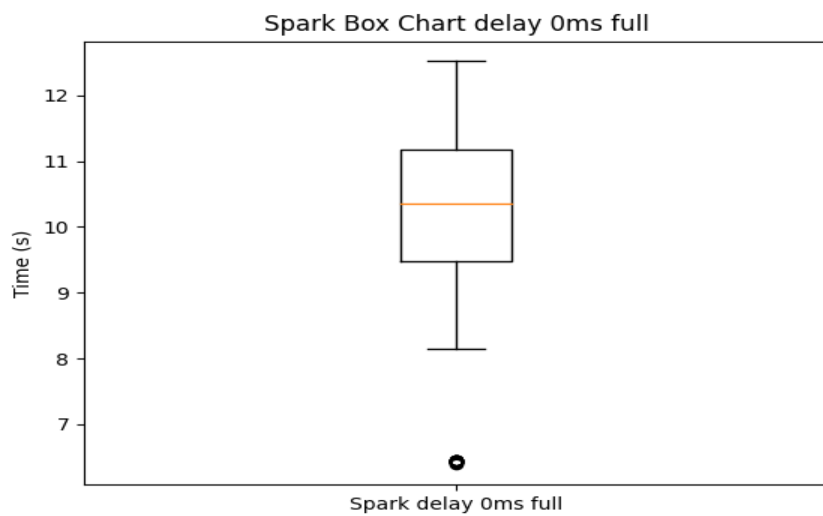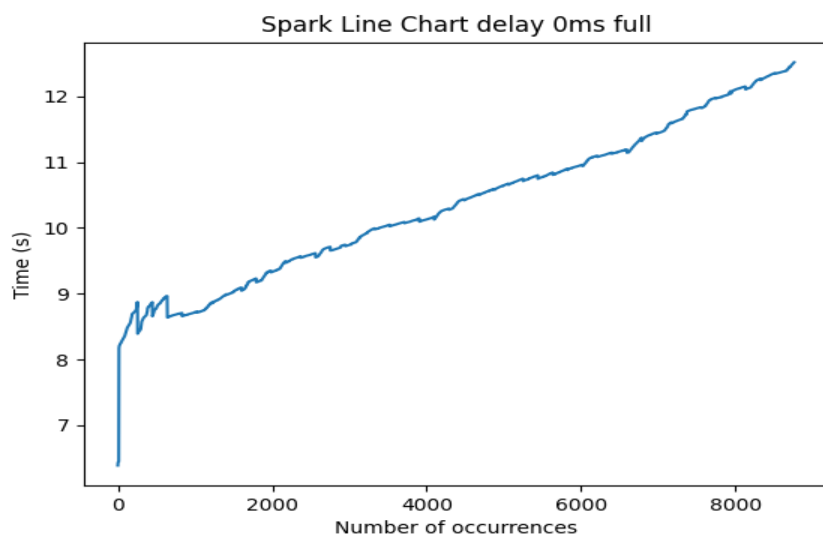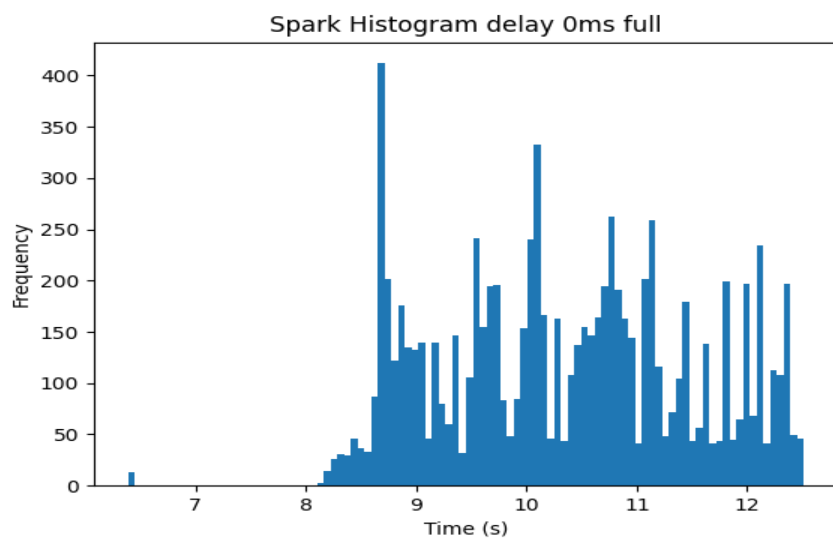
Number of data outside the std range: 13

Spark interquartile range

End Subtract Start: 1.686

Spark mean

End Subtract Start: 10.360887557077625

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
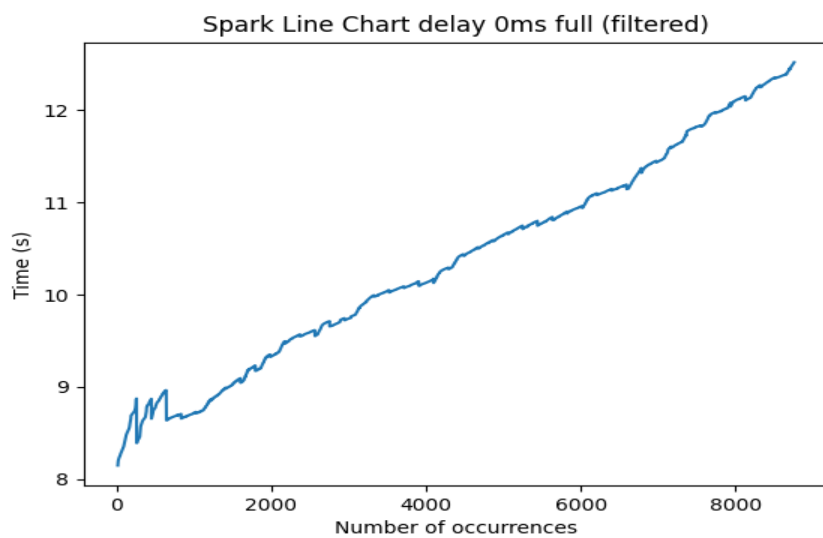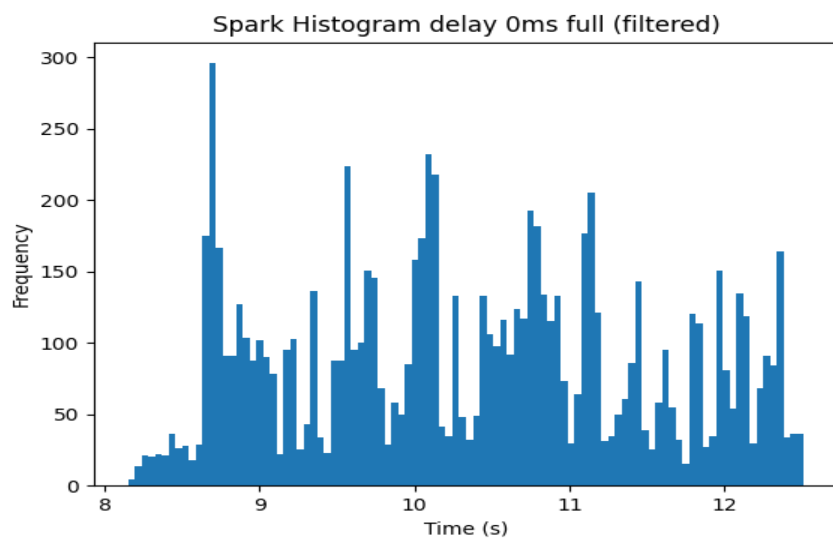
Spark test setup (sparkDelay0Half)

Technology: Spark Structured Streaming

Producer Delay (Send next message): 0ms

Full data set (qty): 4380

Number of tests performed: 1

Start: Timestamp from Producer

End: Timestamp from Consumer

Unit: The results are given in seconds

Spark median values

End Subtract Start: 8.592

Spark standard deviation

End Subtract Start: 0.78882450987976

Lower Bound: 6.424329666707753

Upper Bound: 11.157276725986314

Number of data in the std range: 4355
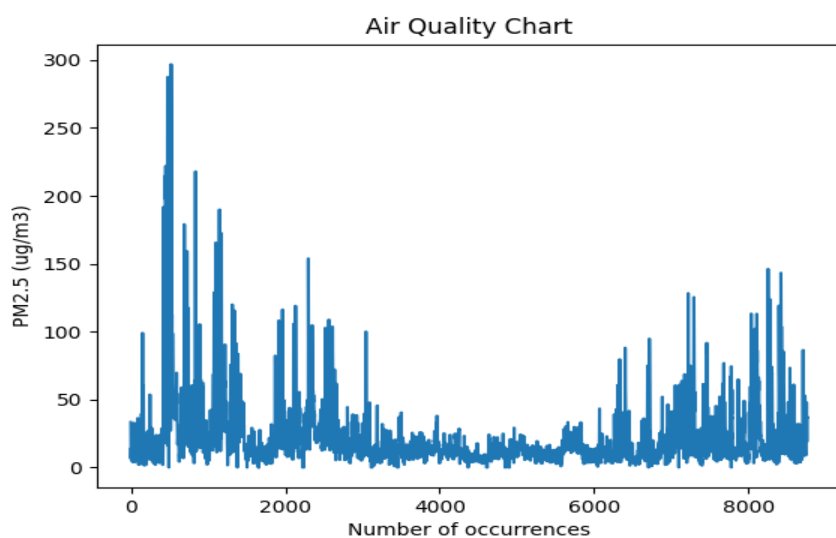
Number of data outside the std range: 25

Spark interquartile range

End Subtract Start: 1.147499999999999

Spark mean

End Subtract Start: 8.790803196347033

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