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: 0.083

Kafka standard deviation

End Subtract Start: 0.04822385587262407

Lower Bound: -0.05725649912472153
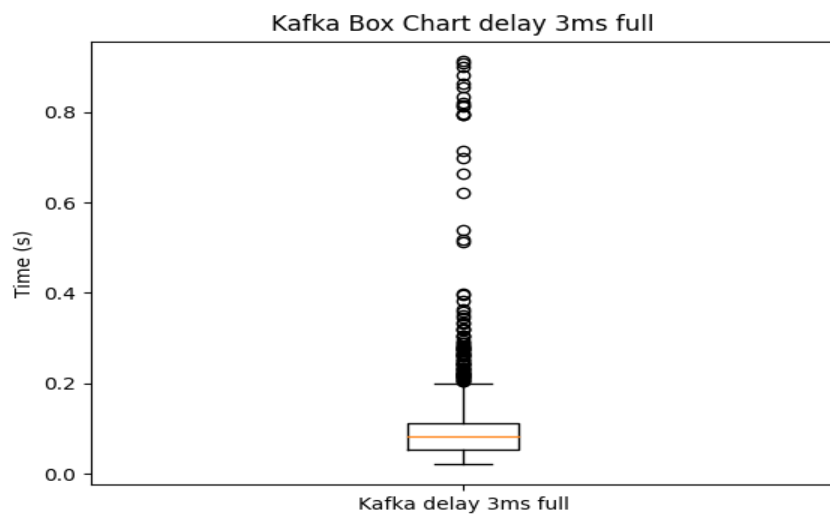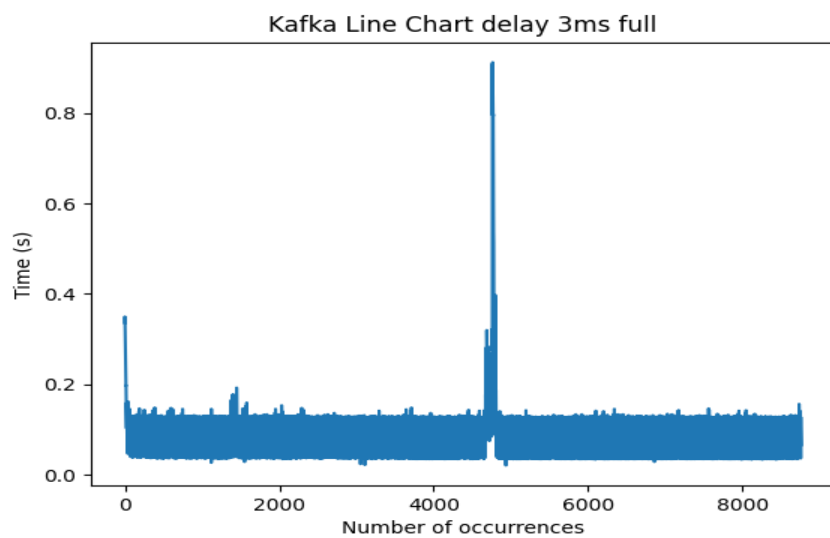
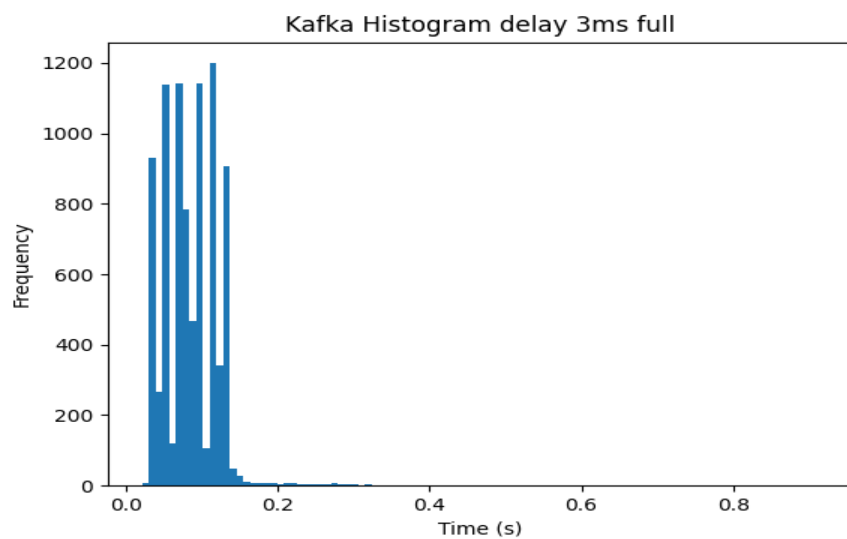UpperBound: 0.23208663611102293

Number of data in the std range: 8695

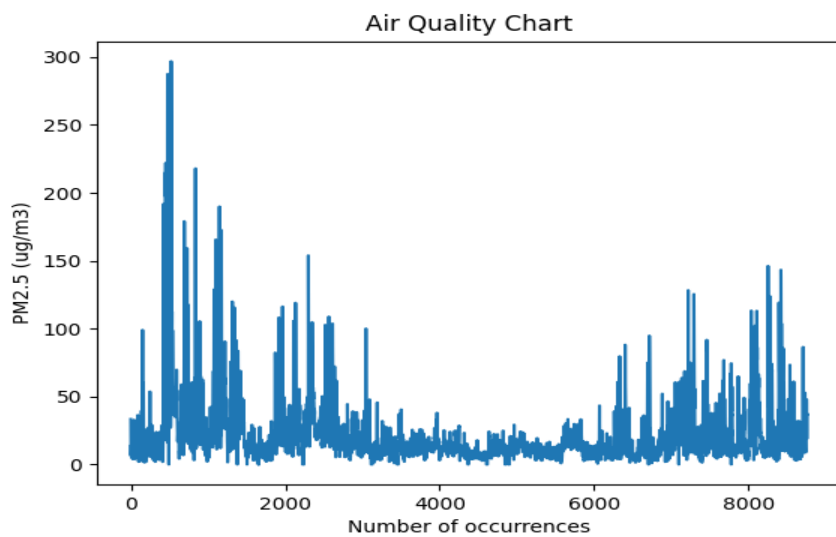Number of data outside the std range: 65
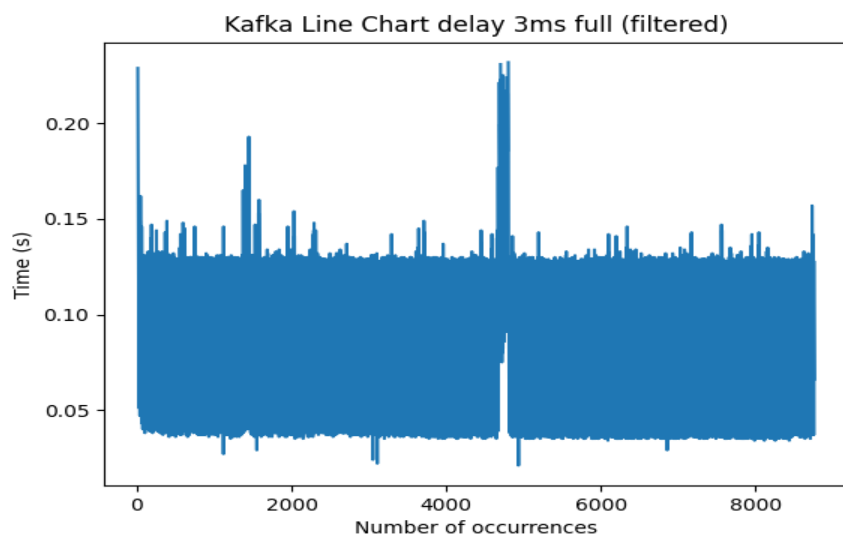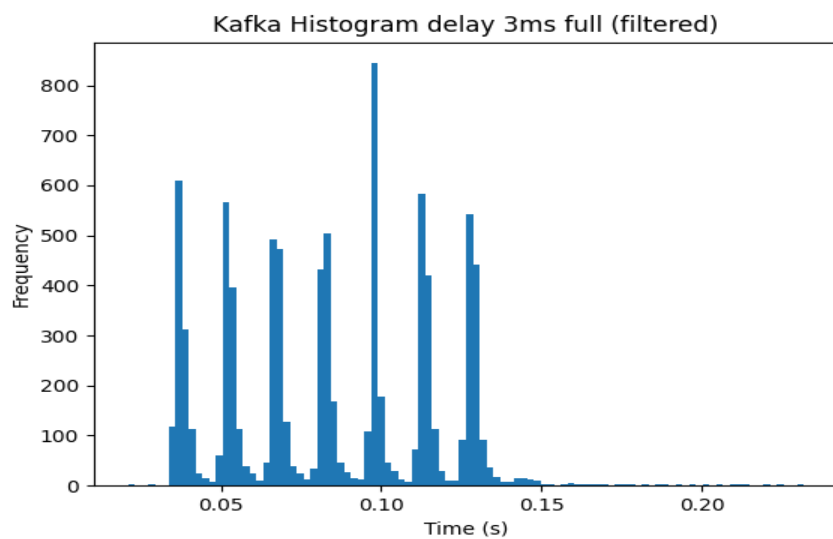
Kafka interquartile range

End Subtract Start: 0.059000000000000004

Kafka mean

End Subtract Start: 0.0874150684931507

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: 7.997

Kafka standard deviation

End Subtract Start: 0.92574137300078

Lower Bound: 5.160406017983961
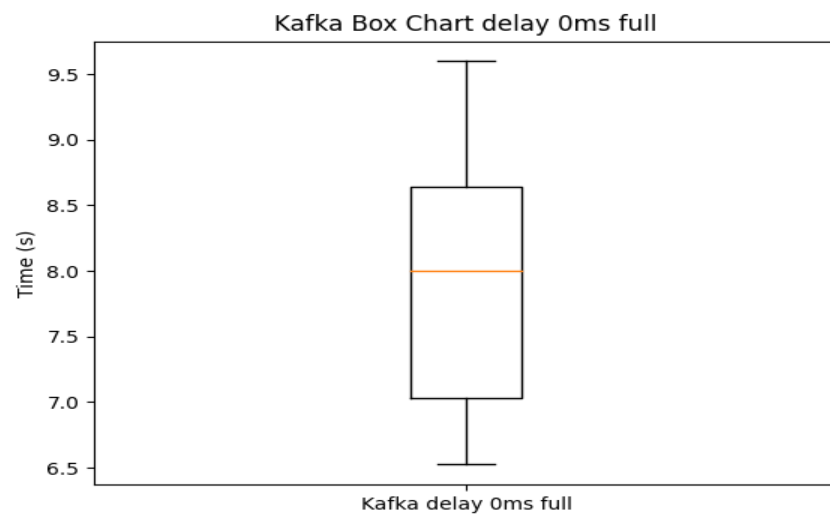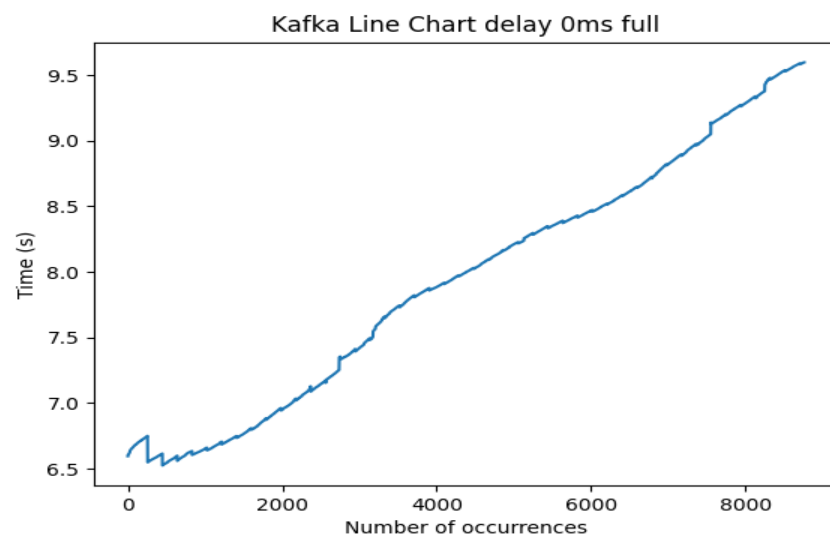
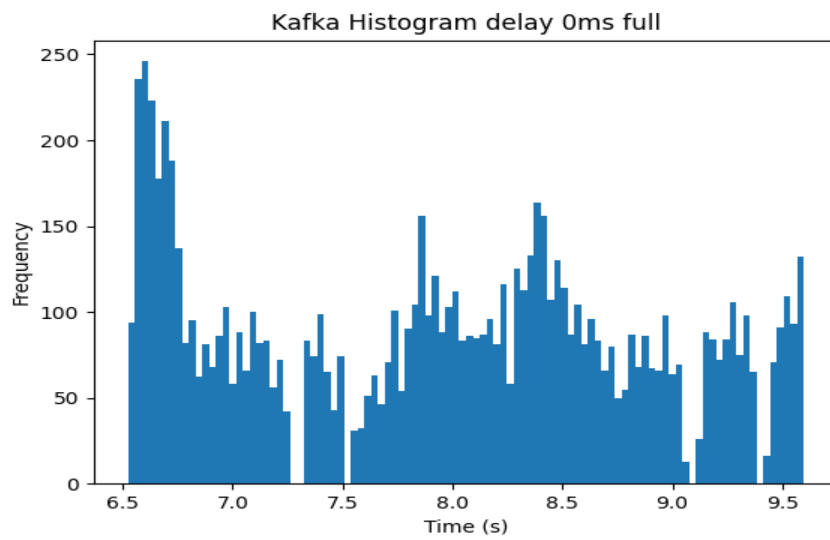Upper Bound: 10.71485425598864

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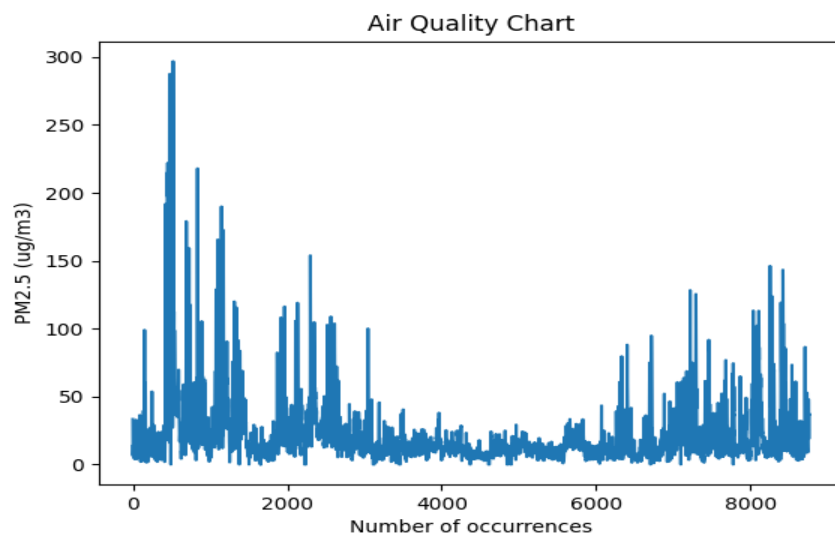
Number of data outside the std range: 0
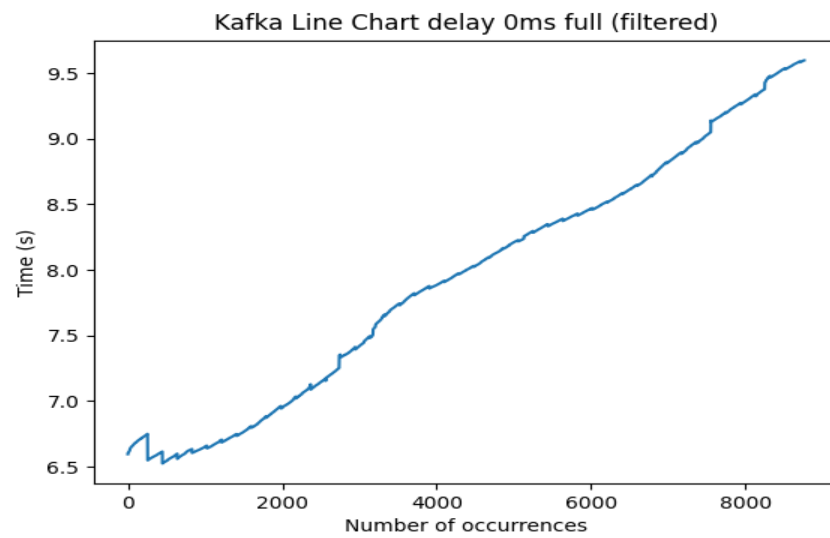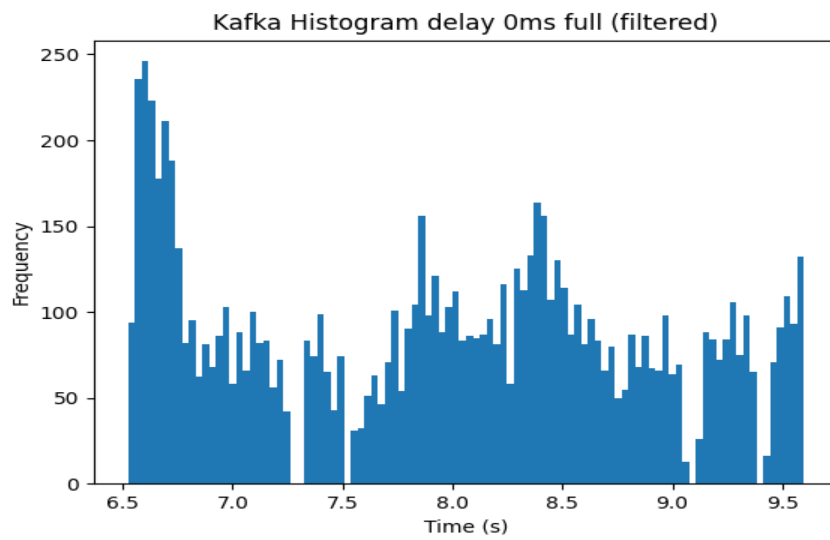
Kafka interquartile range

End Subtract Start: 1.6109999999999998

Kafka mean

End Subtract Start: 7.937630136986301

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: 1.285

Kafka standard deviation

End Subtract Start: 0.38016735772099947

Lower Bound: 0.22026048391462694

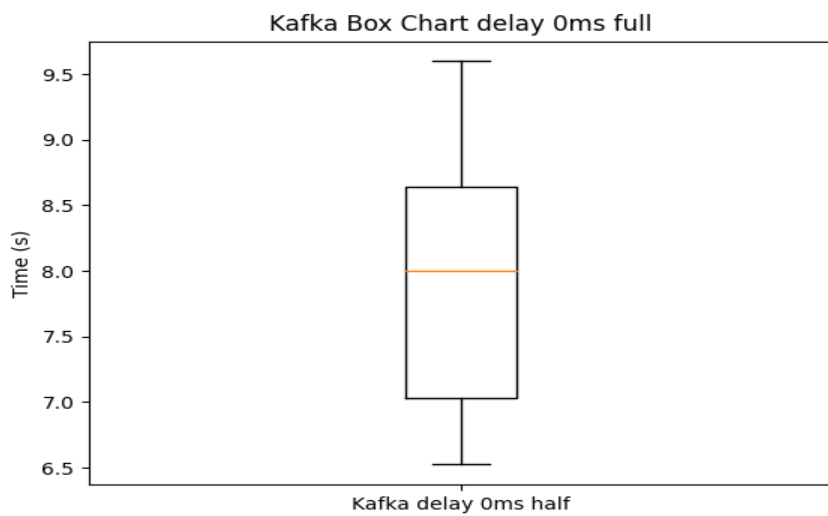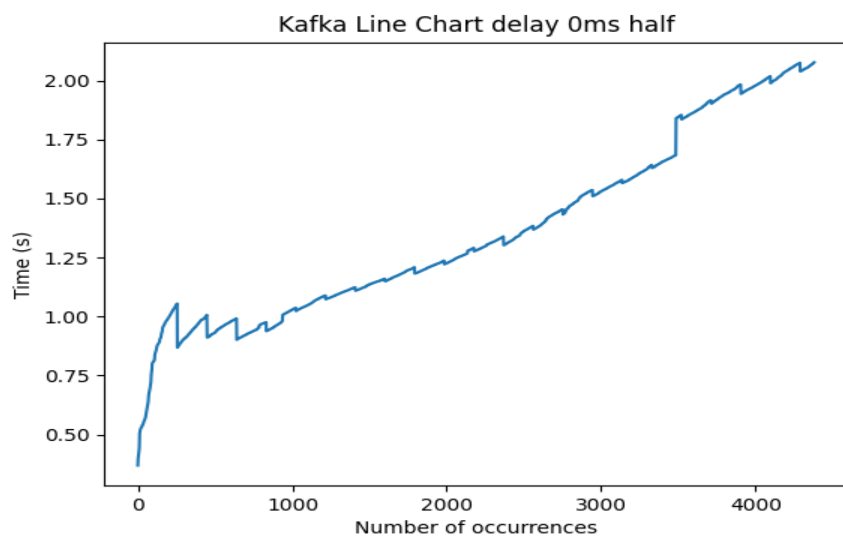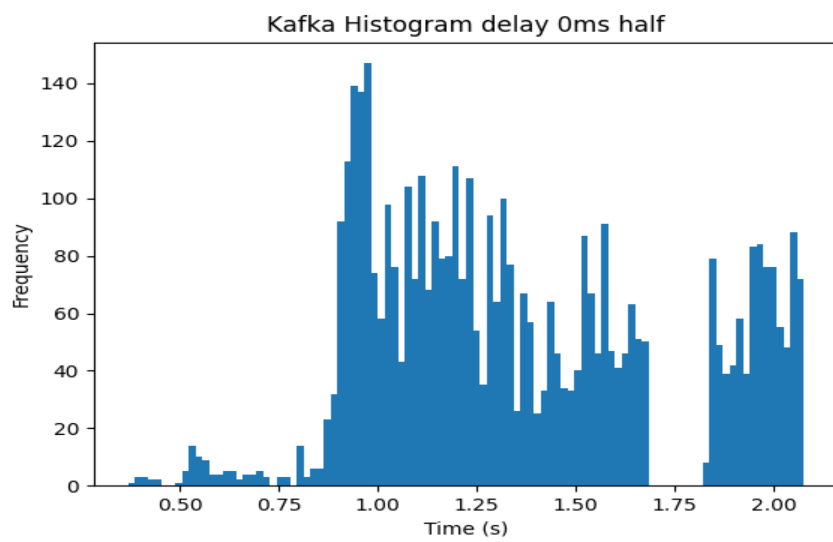Upper Bound: 2.501264630240624

Number of data in the std range: 4380

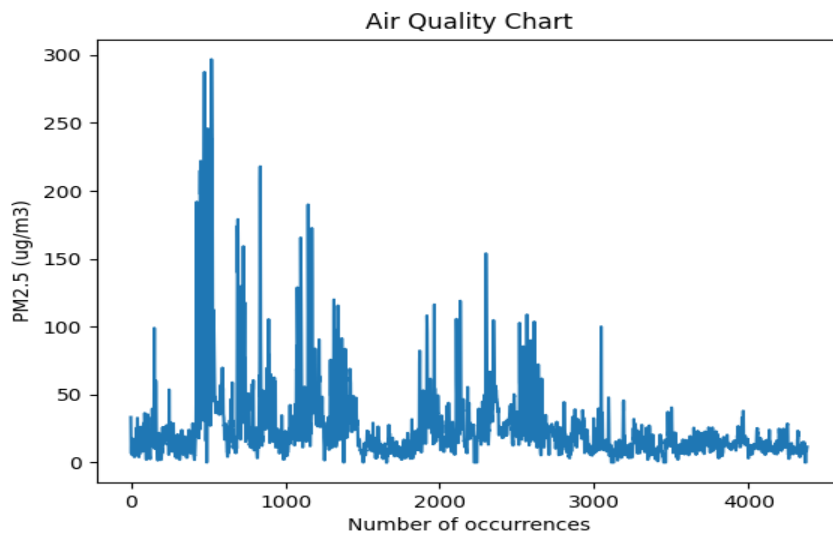Number of data outside the std range: 0

Kafka interquartile range

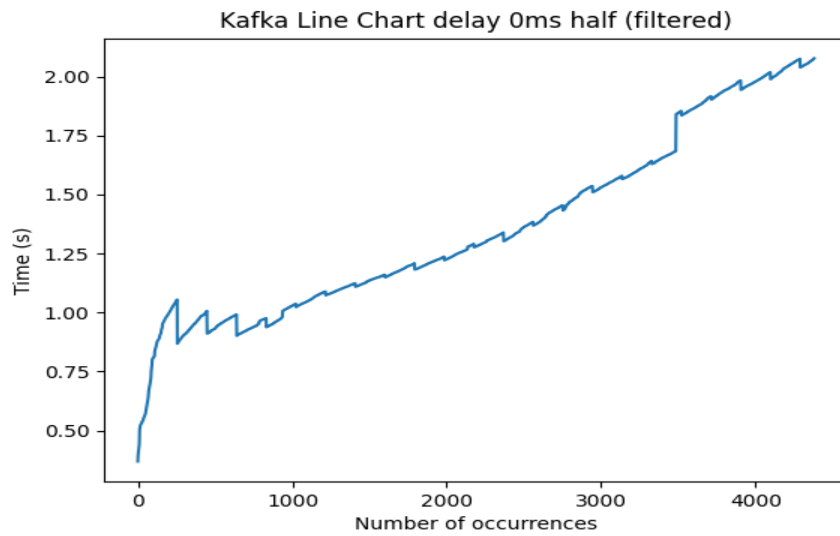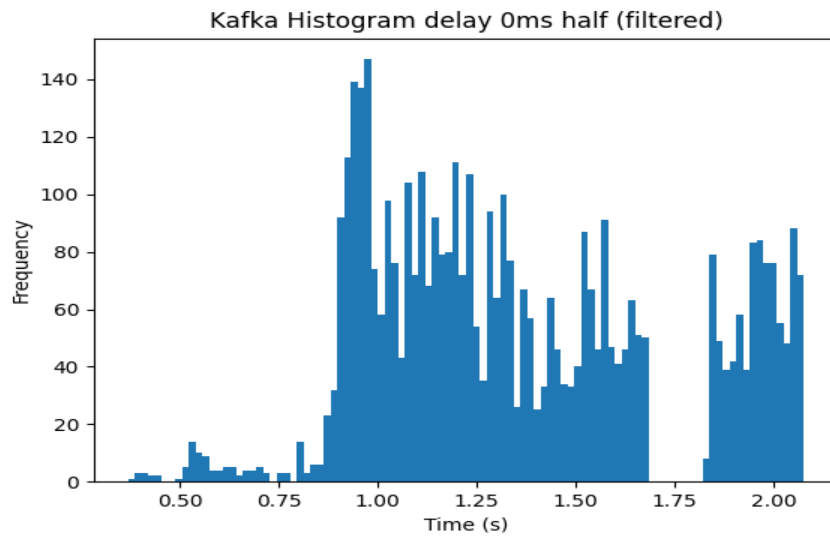End Subtract Start: 0.5714999999999999

Kafka mean

End Subtract Start: 1.3607625570776254

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: 0.708

Spark standard deviation

End Subtract Start: 0.29284020476938516

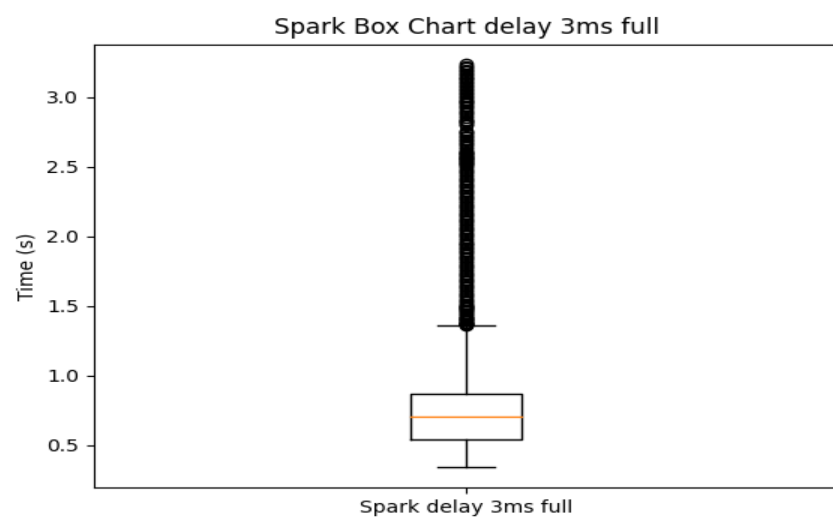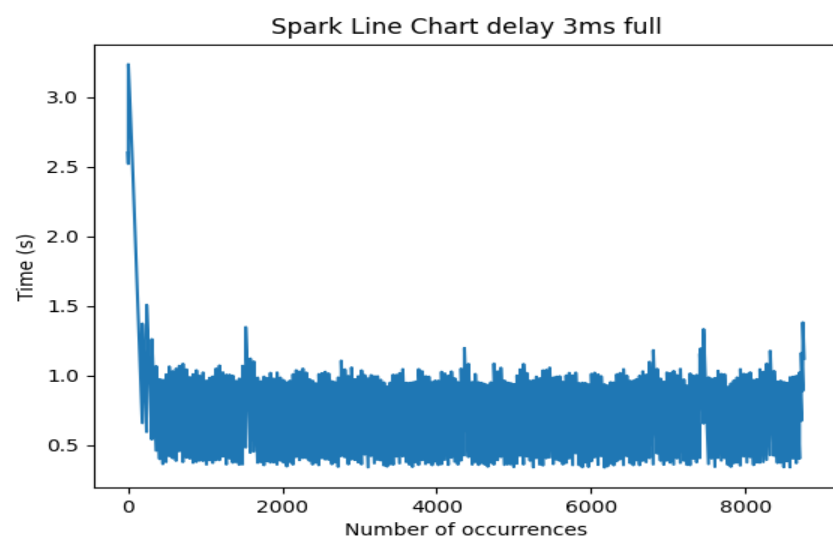Lower Bound: -0.144683970472539

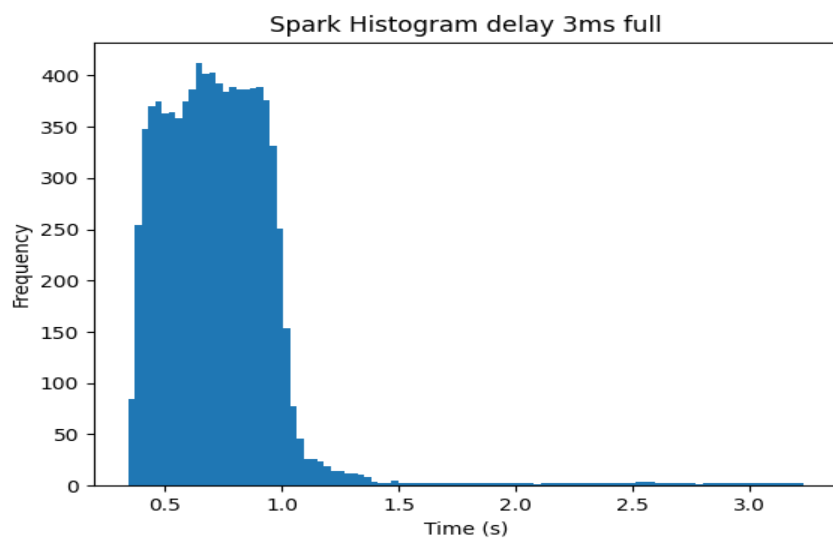Upper Bound: 1.612357258143772

Number of data in the std range: 8636

Number of data outside the std range: 124

Spark interquartile range

End Subtract Start: 0.32799999999999996

Spark mean

End Subtract Start: 0.7338366438356164

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: 6.537

Spark standard deviation

End Subtract Start: 0.8253937742250684

Lower Bound: 4.0233572617996805

Upper Bound: 8.97571990715009

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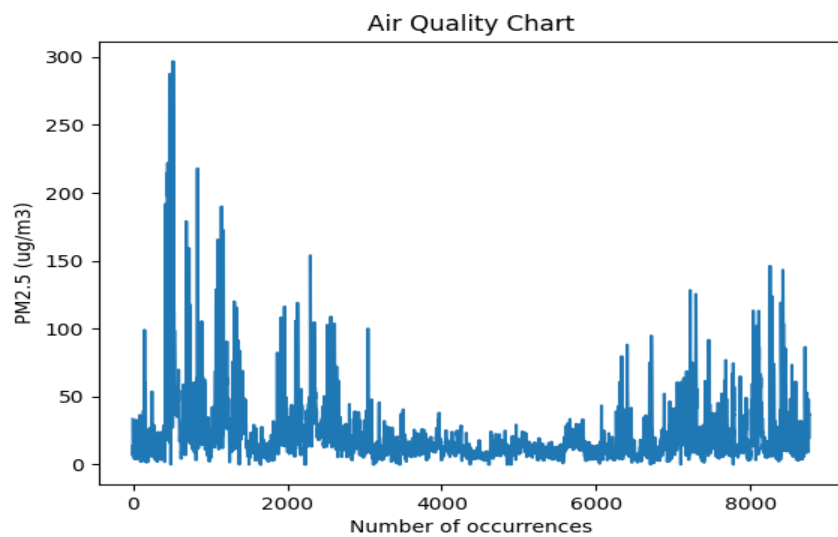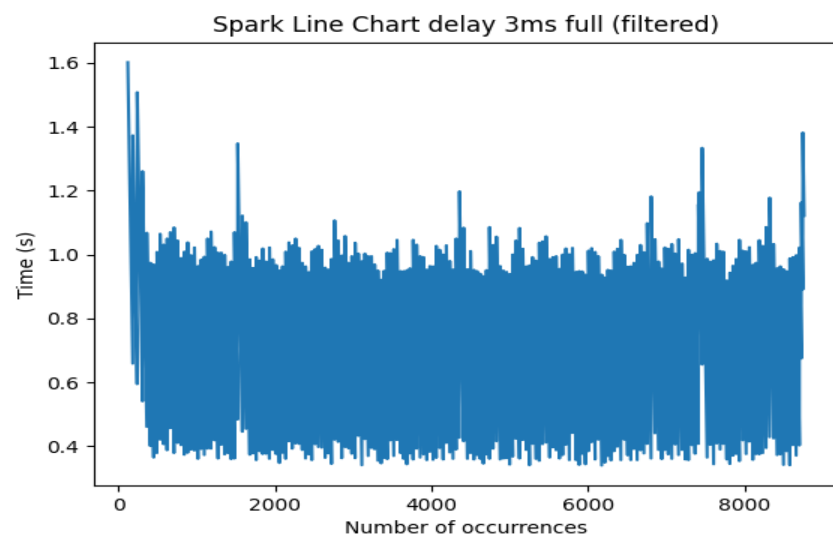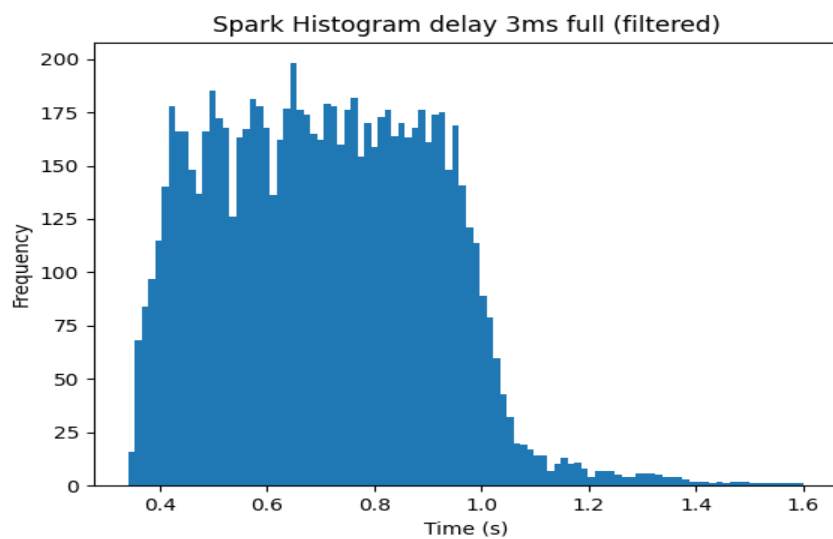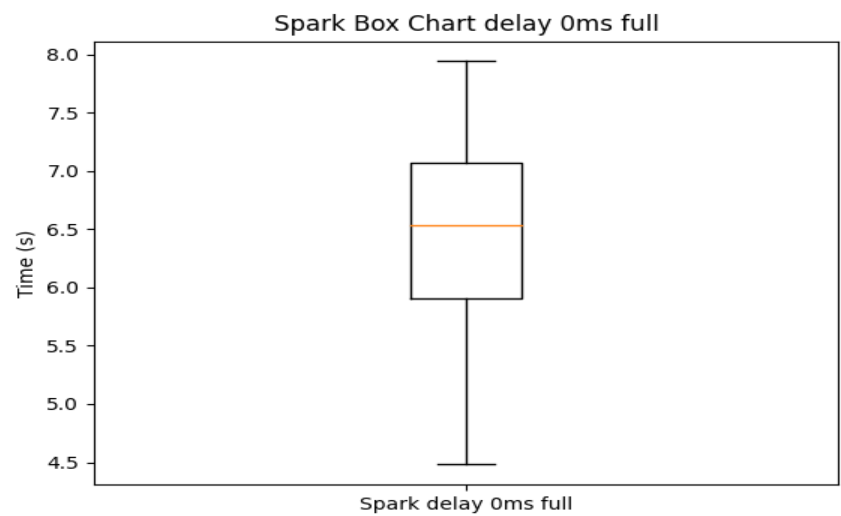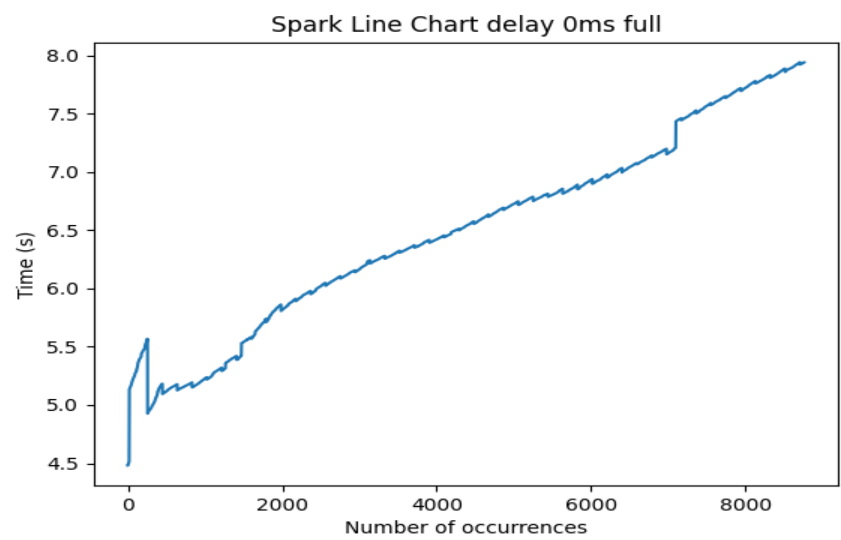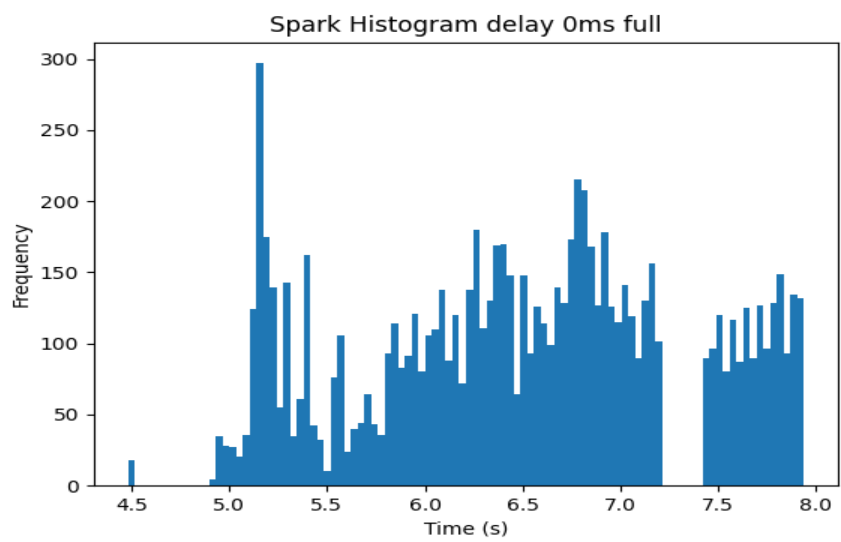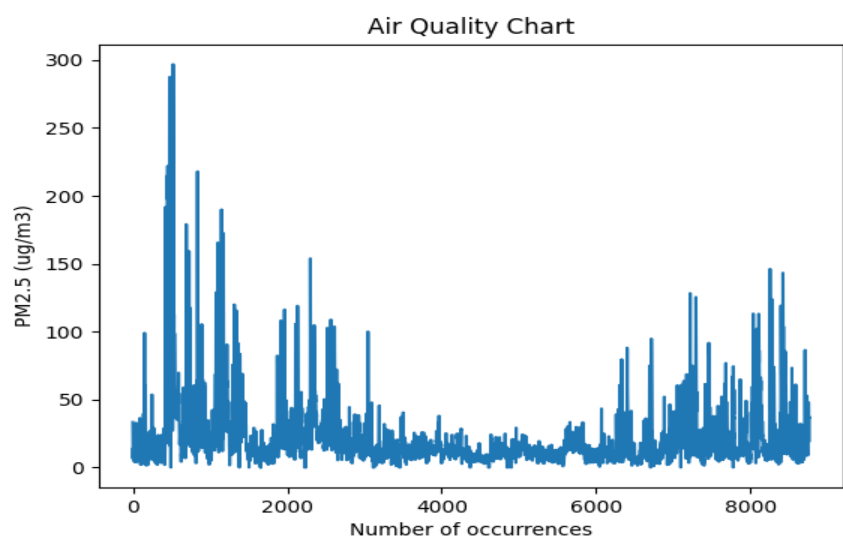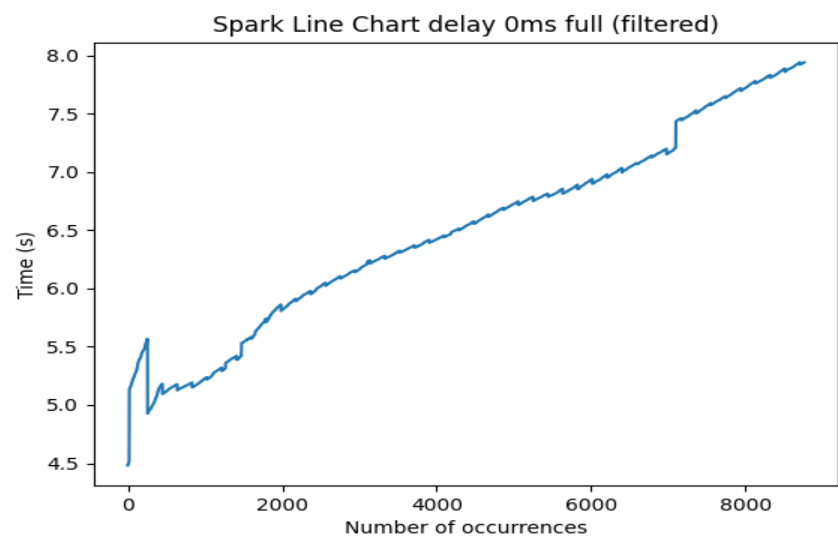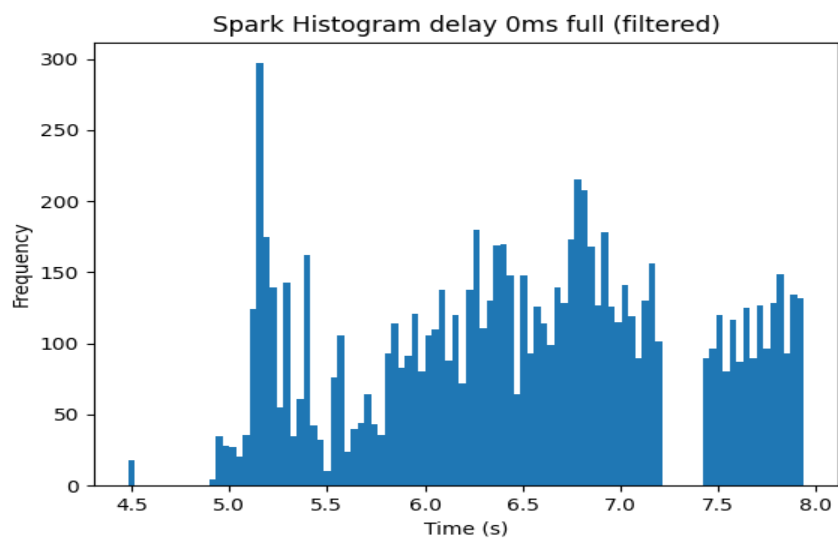
Number of data outside the std range: 0

Spark interquartile range

End Subtract Start: 1.1592500000000001

Spark mean

End Subtract Start: 6.499538584474886

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: 5.957

Spark standard deviation

End Subtract Start: 0.998640589798448

Lower Bound: 2.7292506050338794

Upper Bound: 8.721094143824567

Number of data in the std range: 4380

Number of data outside the std range: 0

Spark interquartile range

End Subtract Start: 1.8032500000000002

Spark mean

End Subtract Start: 5.725172374429223

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