

ANCAT Simulation Results

23:08 03.29.2022

1. General Statistics

1.1. Summary

Overall E2ELatency:

Maximum : 0.000757808132

Mean : 0.000602666885454955

Simulation mean is in 0.3% band of true mean with 95% confidence

Overall ESBagLatency:

Maximum : 3.2e-05

Mean : 3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Overall ESSchedulingLatency:

Maximum : 0.000413038753

Mean : 0.00017696085013403615

Simulation mean is in 2.0% band of true mean with 95% confidence

Overall ESTotalLatency:

Maximum : 3.2e-05

Mean : 3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Overall SWQueueingTime:

Maximum : 0.000210858753

Mean : 2.6325850134036145e-05

Simulation mean is in 3.5% band of true mean with 95% confidence

Overall SWQueueLength:

Maximum : 0.0

Mean : 0.0

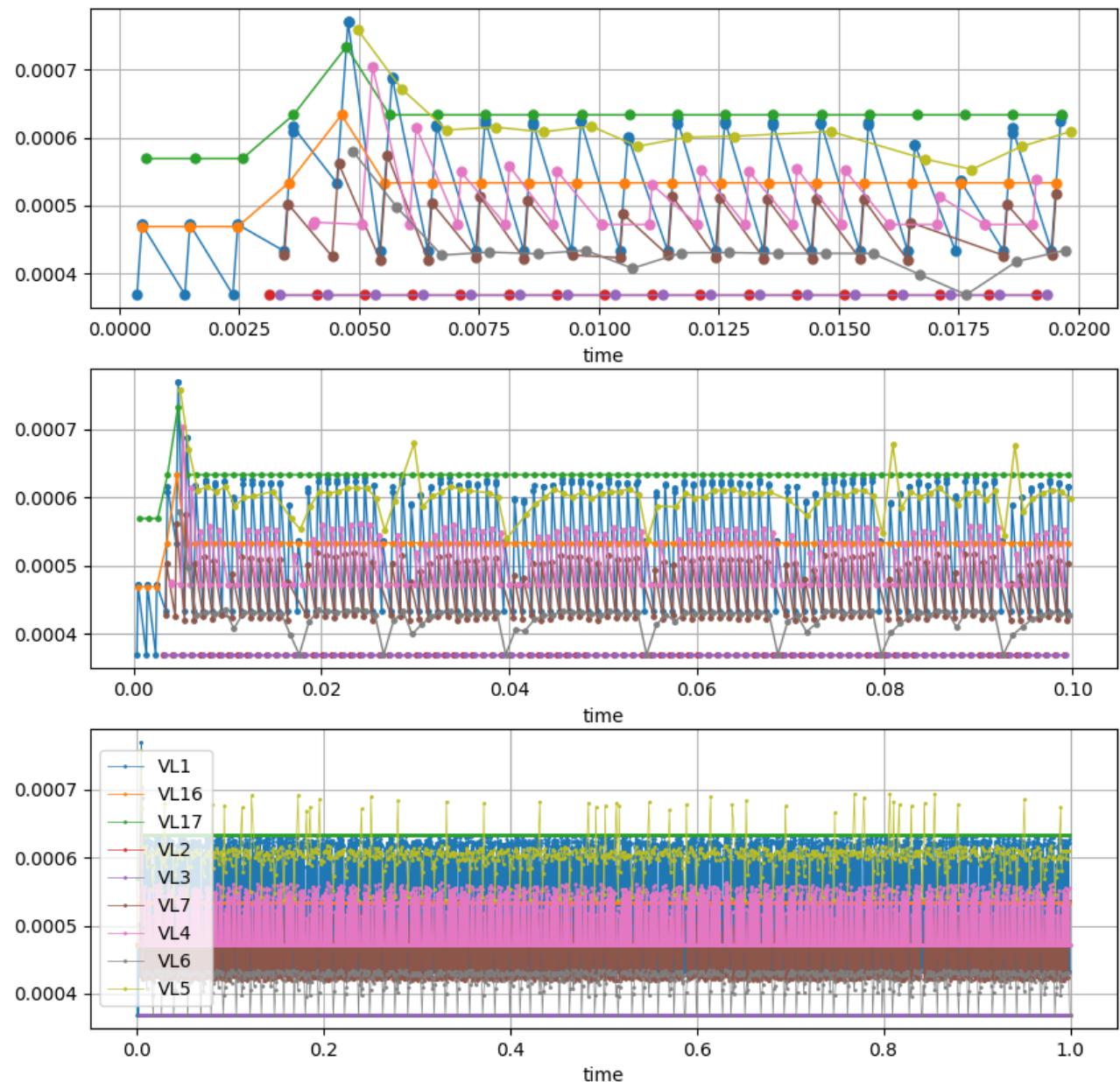
Combined_E2ELatency

Maximum	:	0.000757808132
Minimum	:	0.000537829379
Mean	:	0.000602666885454955

Simulation mean is in 0.3% band of true mean with 95% confidence

Simulation mean is in 0.4% band of true mean with 99% confidence

E2ELatency



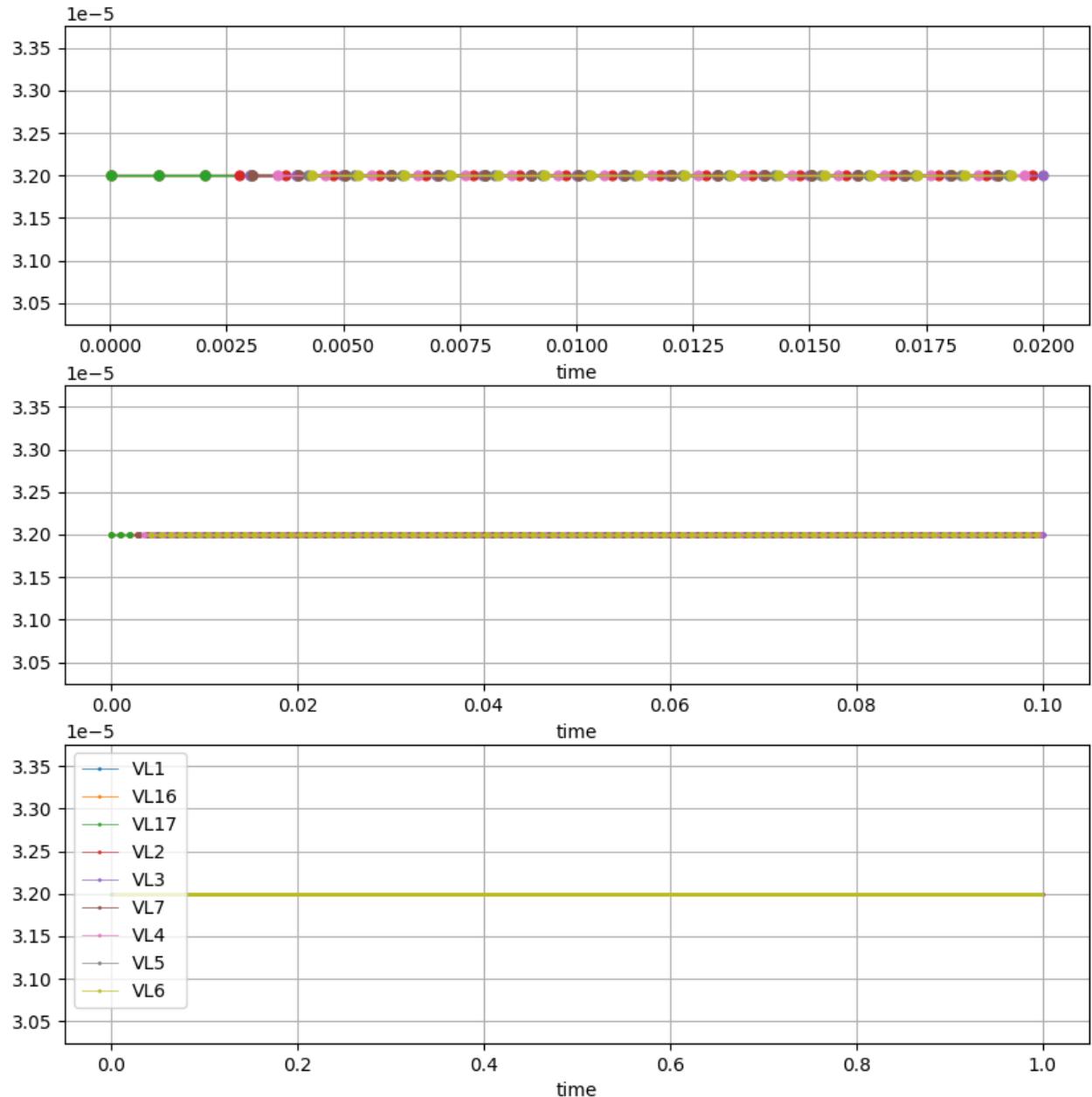
Combined_ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency



Combined_ESoSchedulingLatency

Maximum : **0.000413038753**

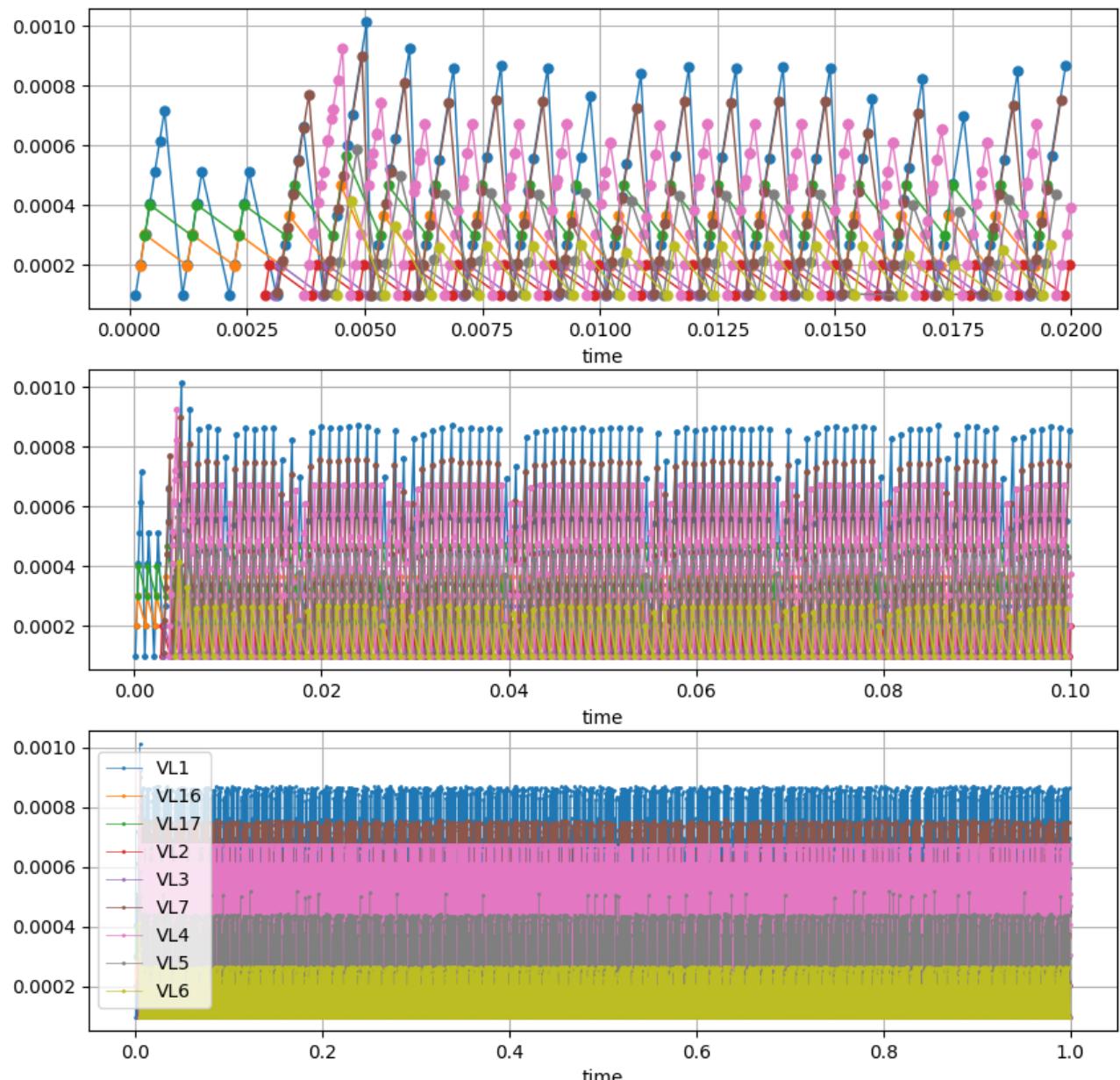
Minimum : **9.909e-05**

Mean : **0.00017696085013403615**

Simulation mean is in 2.0% band of true mean with 95% confidence

Simulation mean is in 2.6% band of true mean with 99% confidence

ESSchedulingLatency

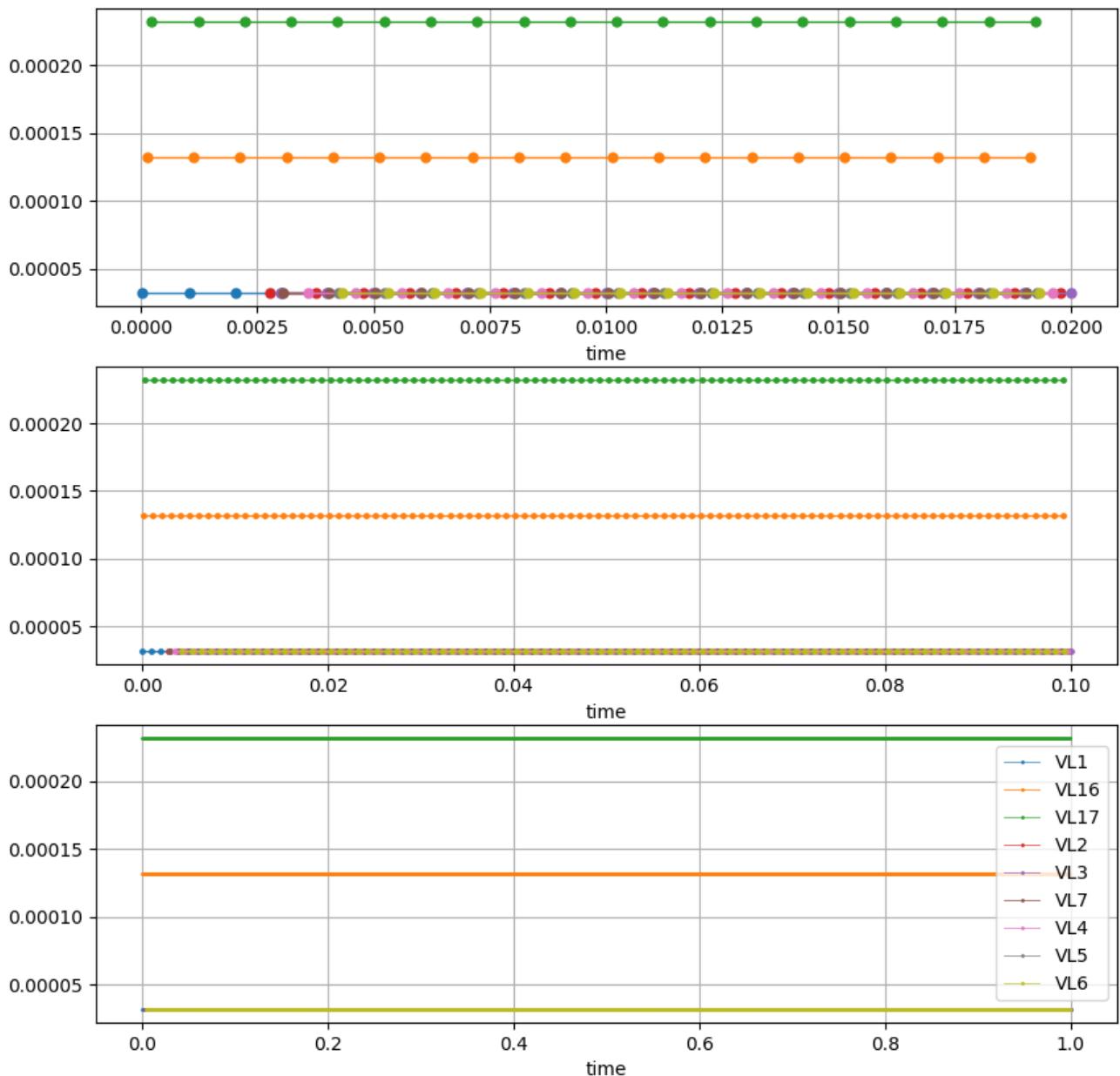


Combined_ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency



Combined_SWQueueingTime

Maximum : 0.000210858753

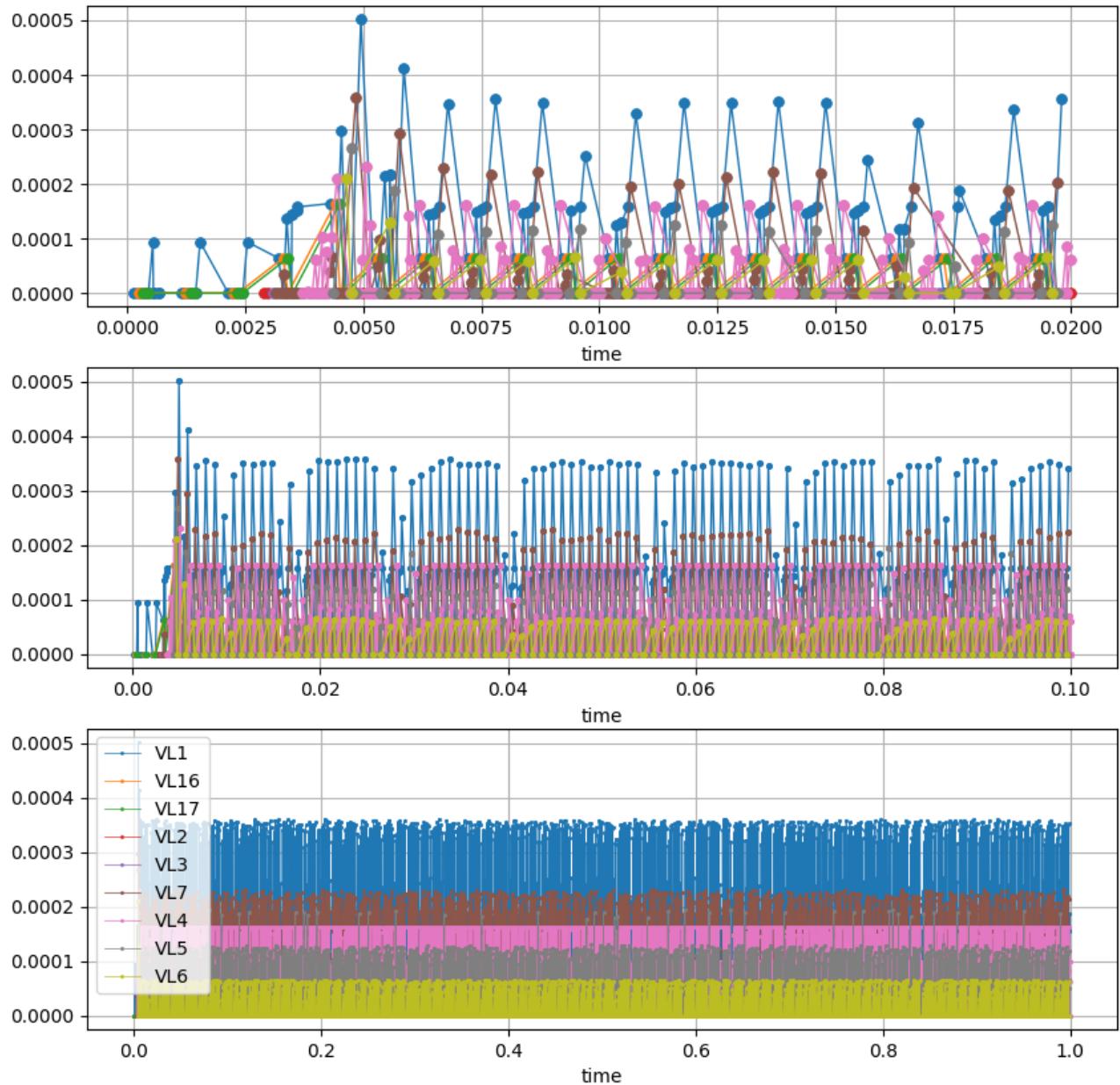
Minimum : 0.0

Mean : 2.6325850134036145e-05

Simulation mean is in 3.5% band of true mean with 95% confidence

Simulation mean is in 4.6% band of true mean with 99% confidence

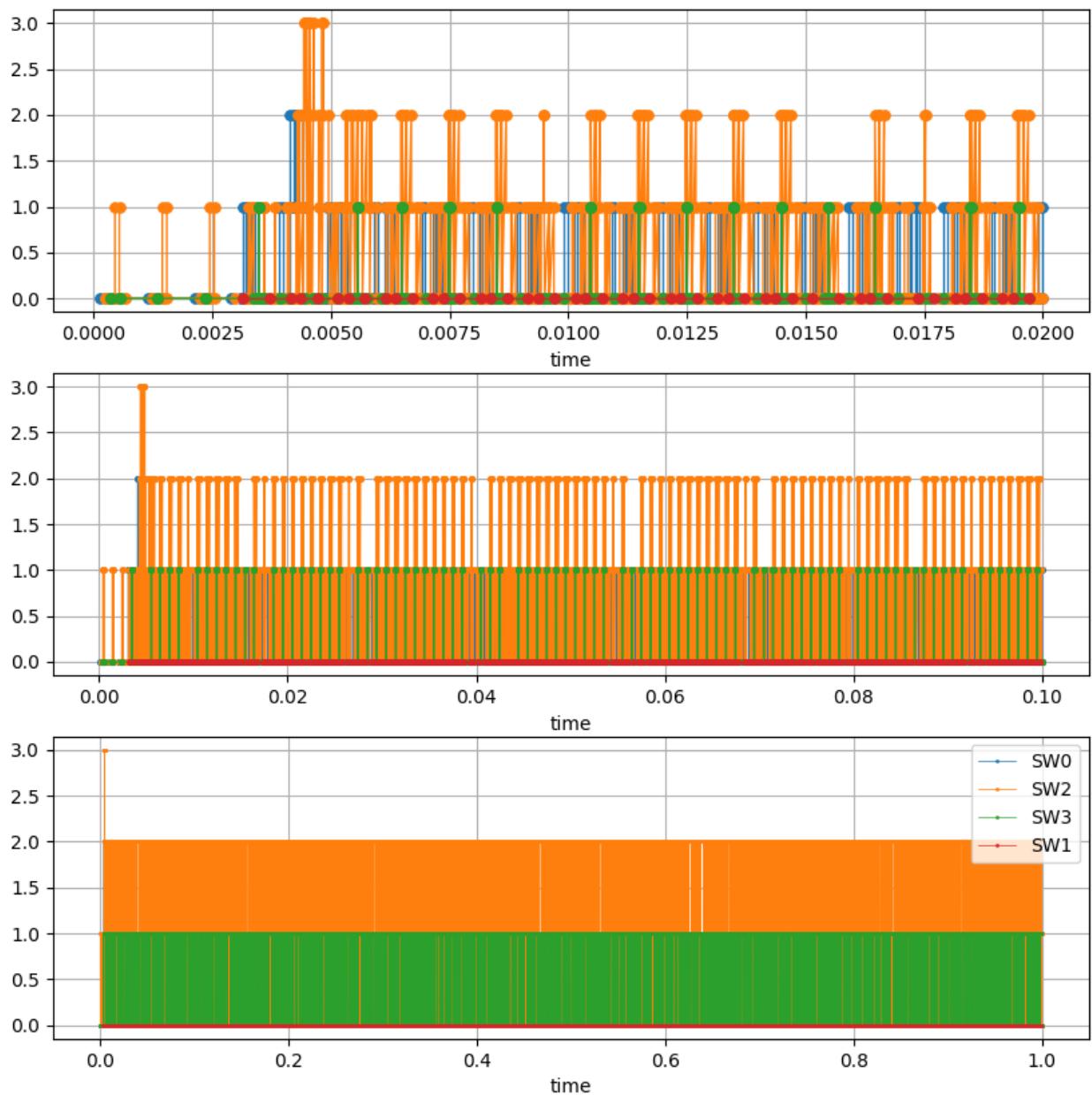
SWQueueingTime



Combined_SWQueueLength

Maximum	:	0.0
Minimum	:	0.0
Mean	:	0.0

SWQueueLength

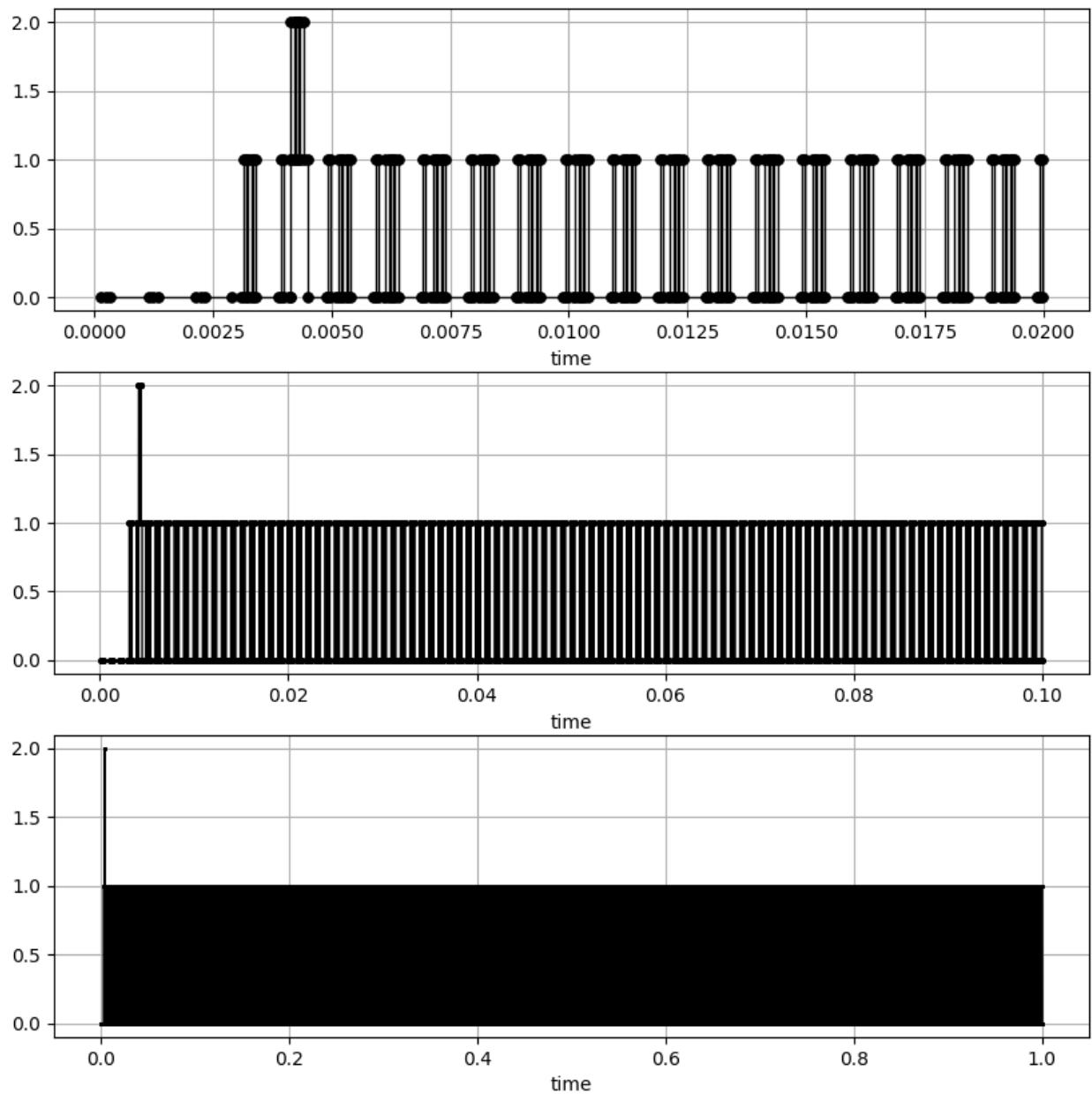


2. Per-Switch Statistics

Maximum	:	2.0
Minimum	:	0.0
Mean	:	0.4214357297325808

Simulation mean is in 3.2% band of true mean with 95% confidence
Simulation mean is in 4.2% band of true mean with 99% confidence

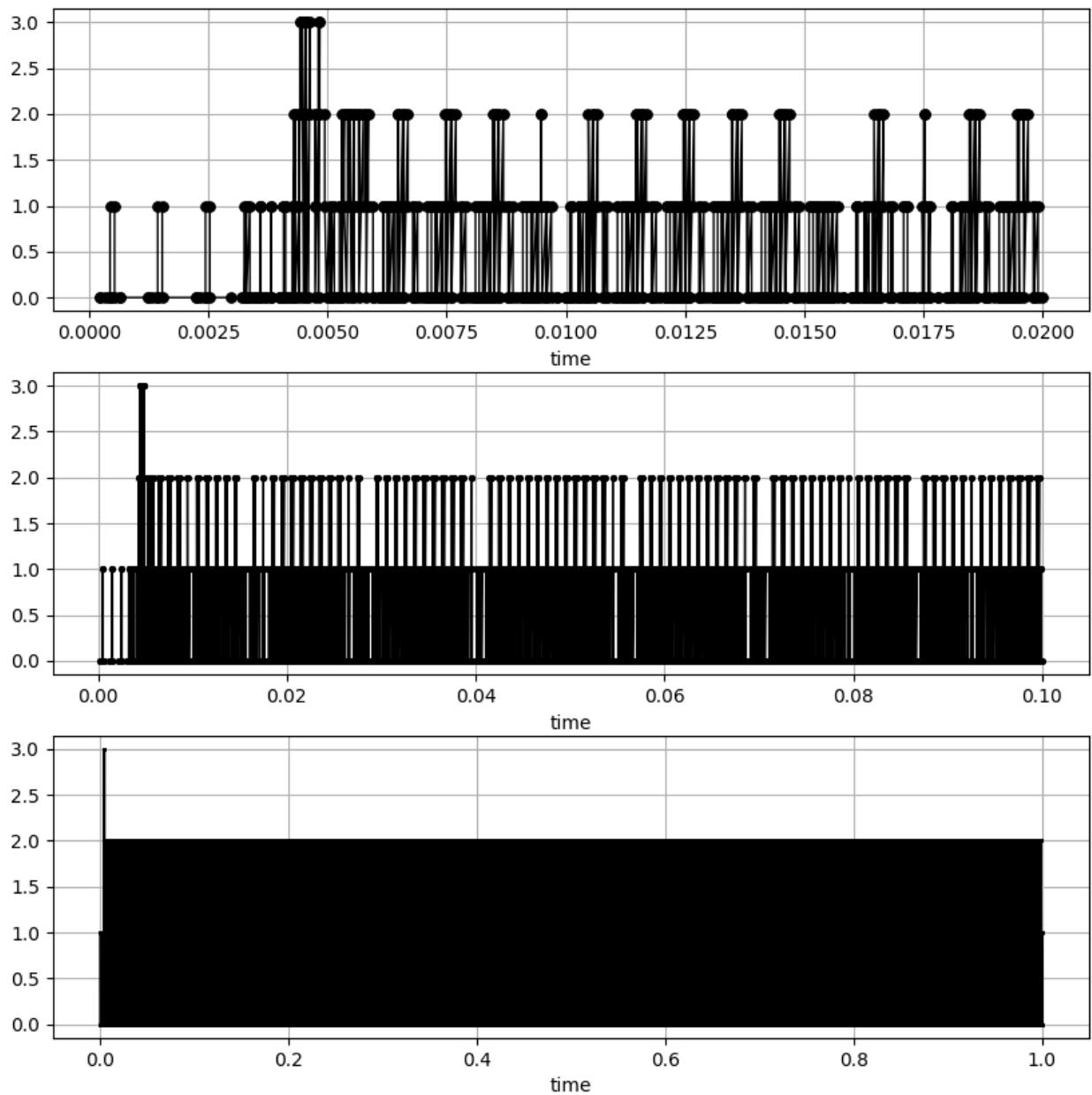
SWQueueLength for SW0 in AutoNetwork.SwitchA[0].switchFabric.priorityClassifier



Maximum	:	3.0
Minimum	:	0.0
Mean	:	0.6086956521739131

Simulation mean is in 5.3% band of true mean with 95% confidence
Simulation mean is in 6.9% band of true mean with 99% confidence

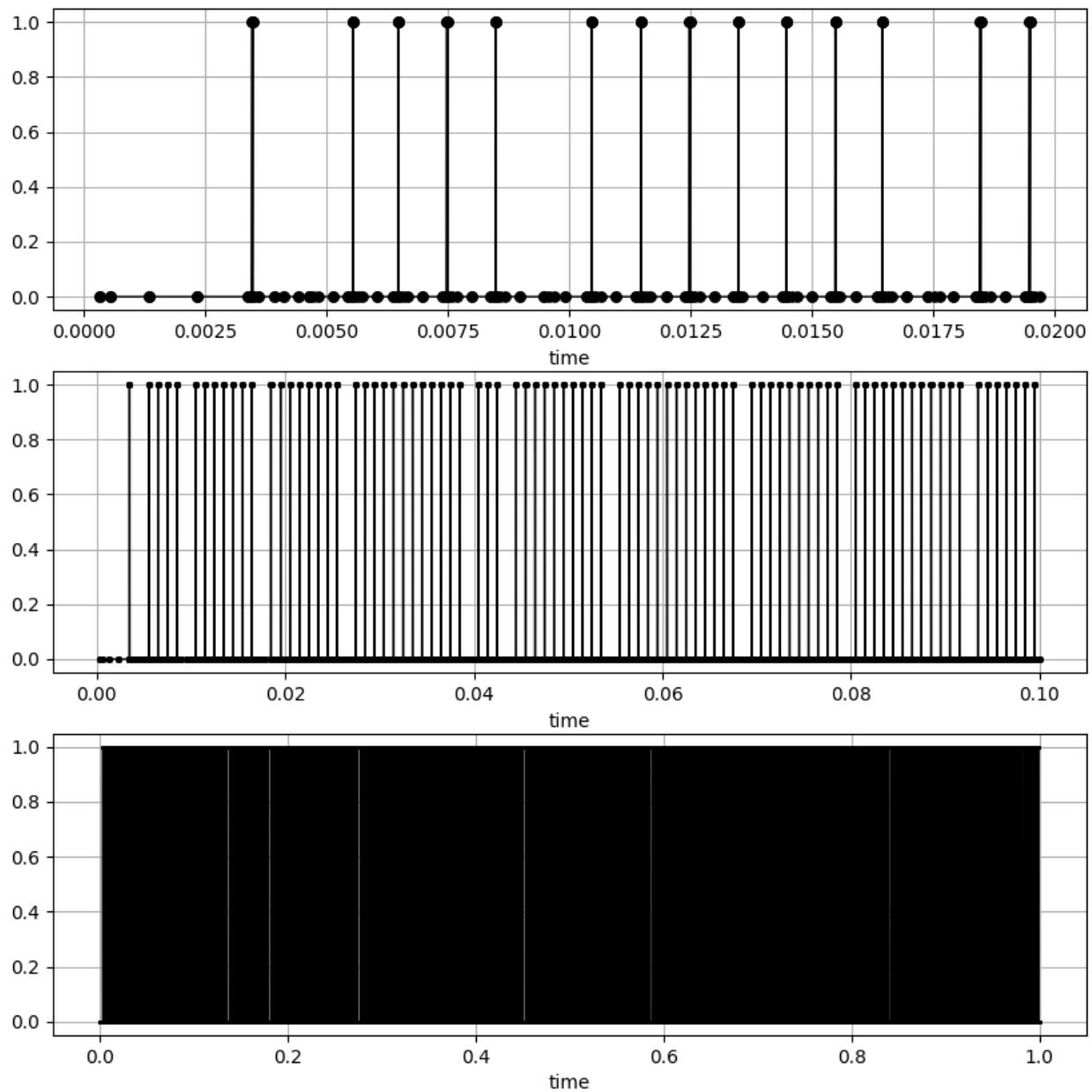
SWQueueLength for SW2 in AutoNetwork.SwitchA[2].switchFabric.priorityClassifier



Maximum : 1.0
Minimum : 0.0
Mean : 0.25440895247538775

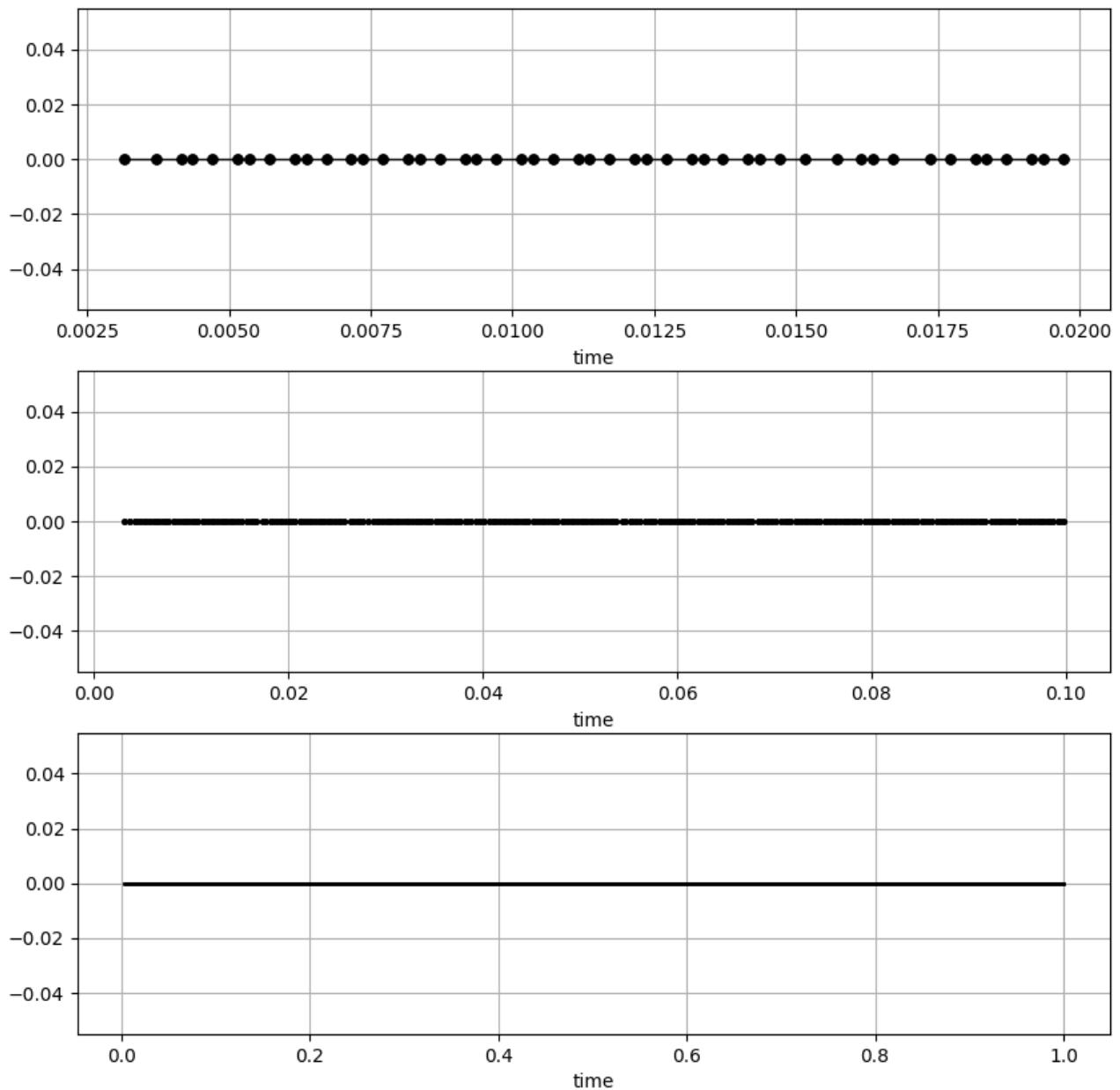
Simulation mean is in 2.0% band of true mean with 95% confidence
Simulation mean is in 2.6% band of true mean with 99% confidence

SWQueueLength for SW3 in AutoNetwork.SwitchA[3].switchFabric.priorityClassifier



Maximum	:	0.0
Minimum	:	0.0
Mean	:	0.0

SWQueueLength for SW1 in AutoNetwork.SwitchA[1].switchFabric.priorityClassifier



3. Per-VL Statistics

3.1. VL1 Statistics

E2ELatency

Maximum : **0.000769856852**

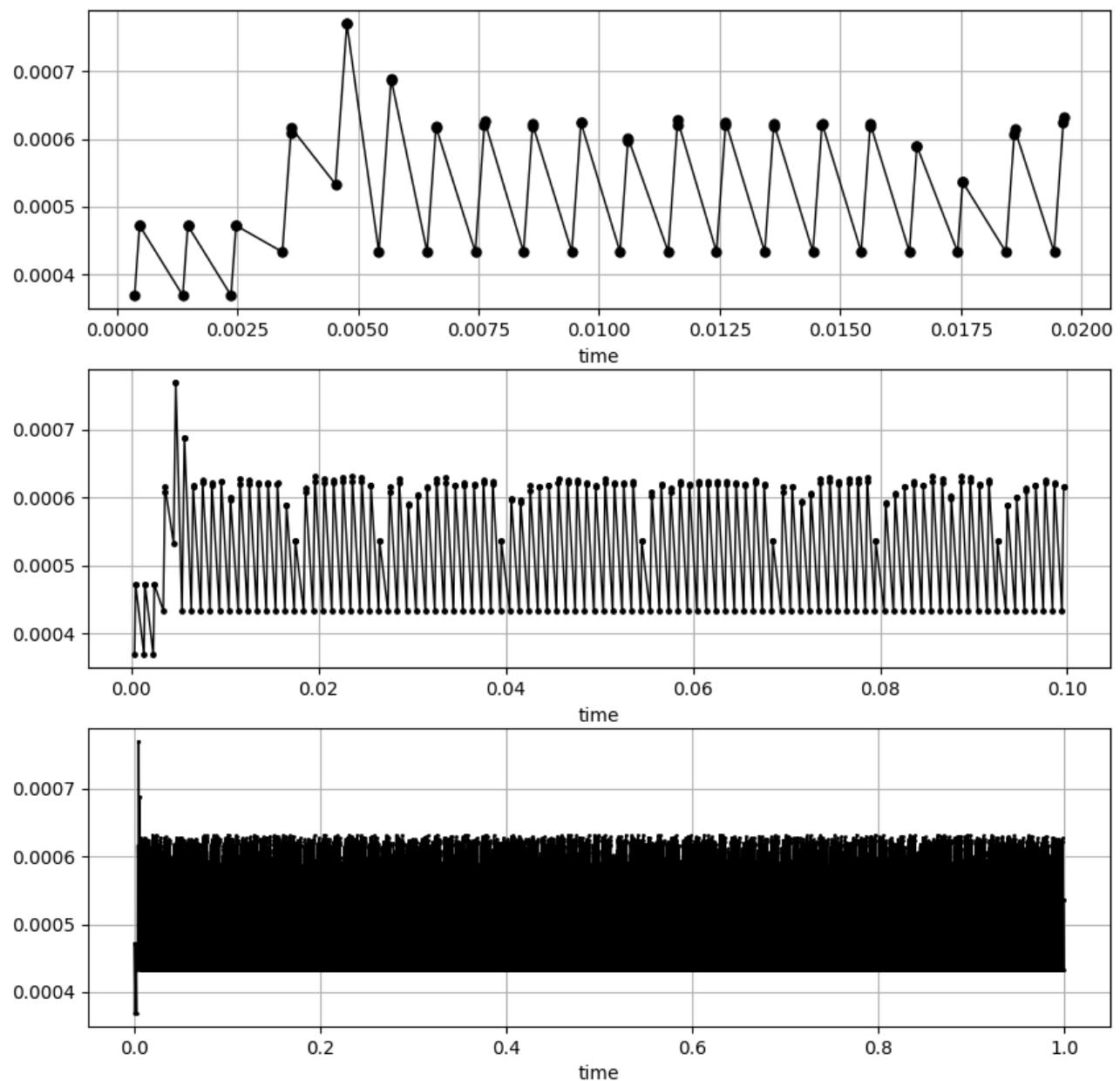
Minimum : **0.00036927**

Mean : **0.0005519821246606667**

Simulation mean is in 0.6% band of true mean with 95% confidence

Simulation mean is in 0.7% band of true mean with 99% confidence

E2ELatency for VL1 in AutoNetwork.ESGroup[0].afdxMarshall[0]

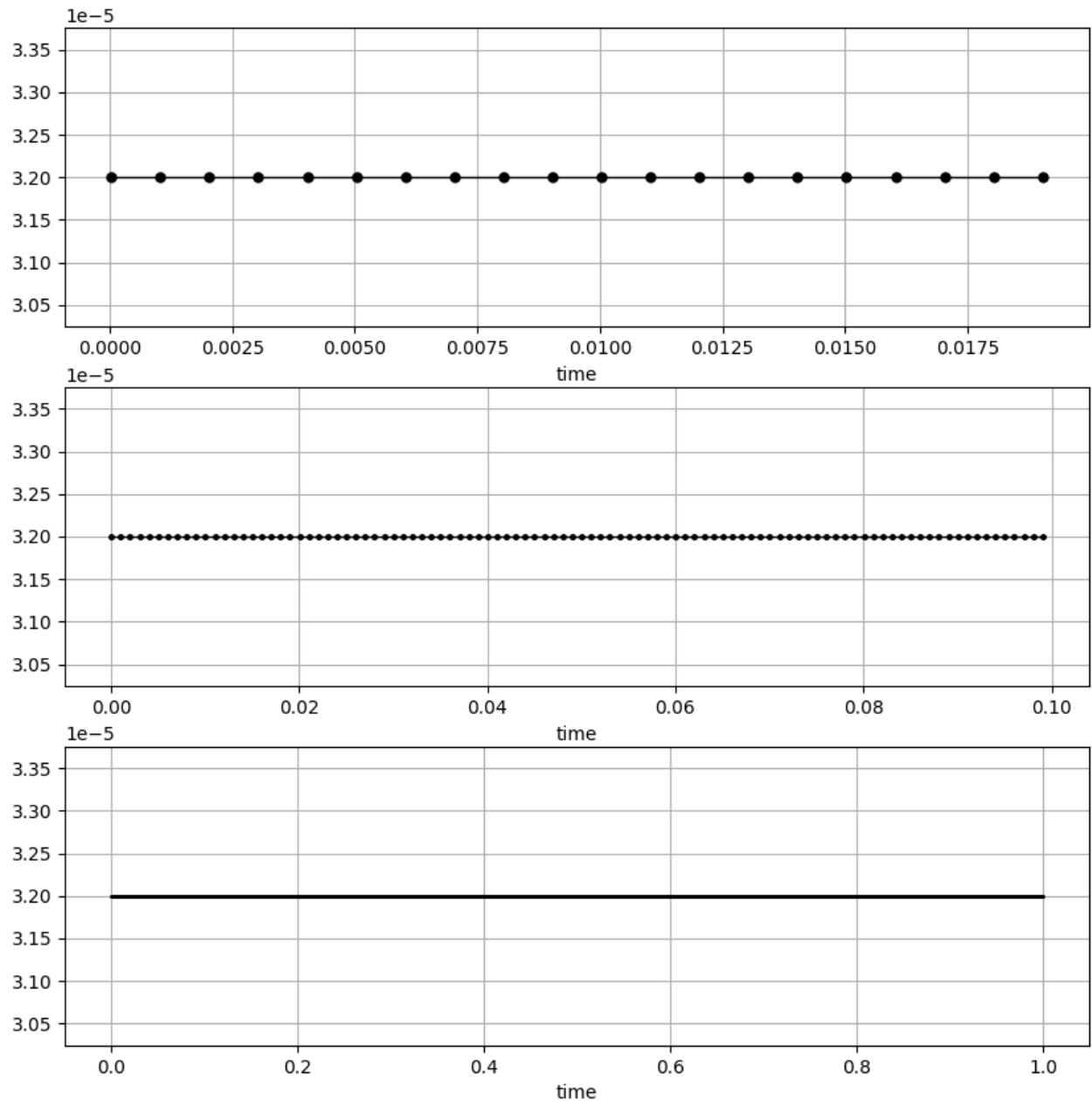


ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL1 in AutoNetwork.ESGroup[0].afdxMarshall[0]



ESSchedulingLatency

Maximum : **0.001013166852**

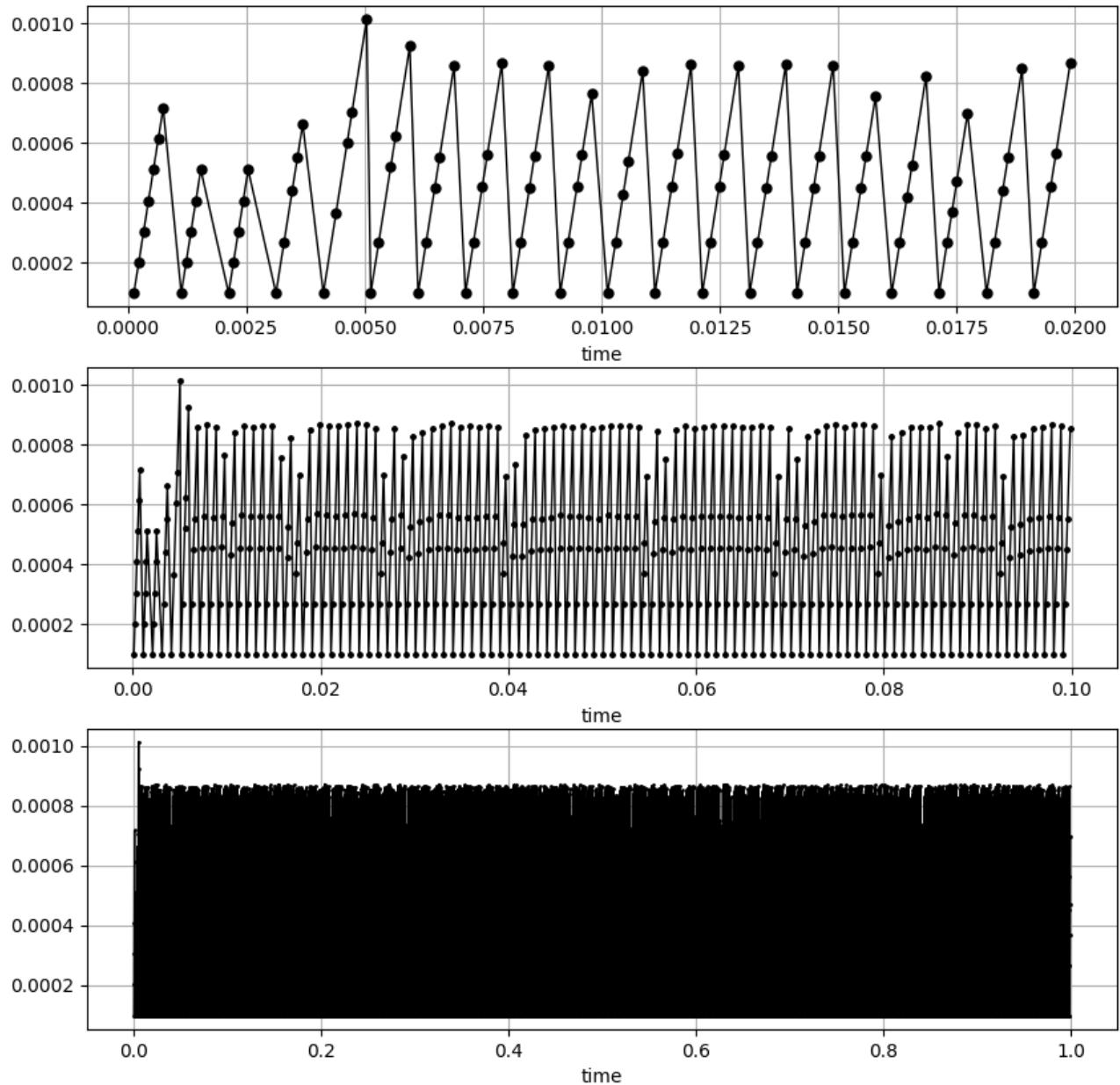
Minimum : **9.909e-05**

Mean : **0.0004384676771101559**

Simulation mean is in 1.6% band of true mean with 95% confidence

Simulation mean is in 2.1% band of true mean with 99% confidence

ESSchedulingLatency for VL1 in AutoNetwork.ESGroup[0].afdxMarshall[0]



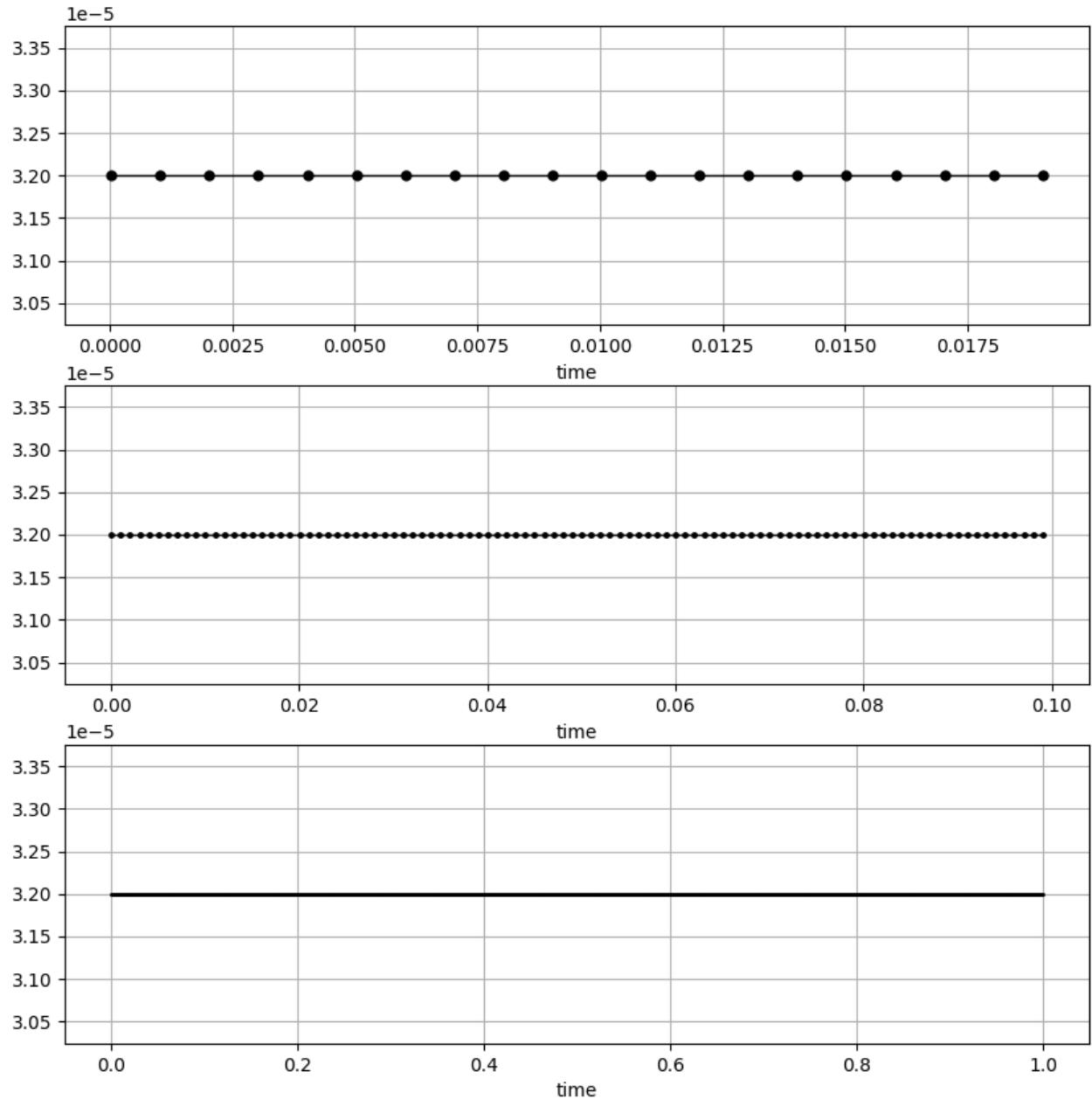
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency for VL1 in AutoNetwork.ESGroup[0].afdxMarshall[0]



SWQueueingTime

Maximum : **0.000501716852**

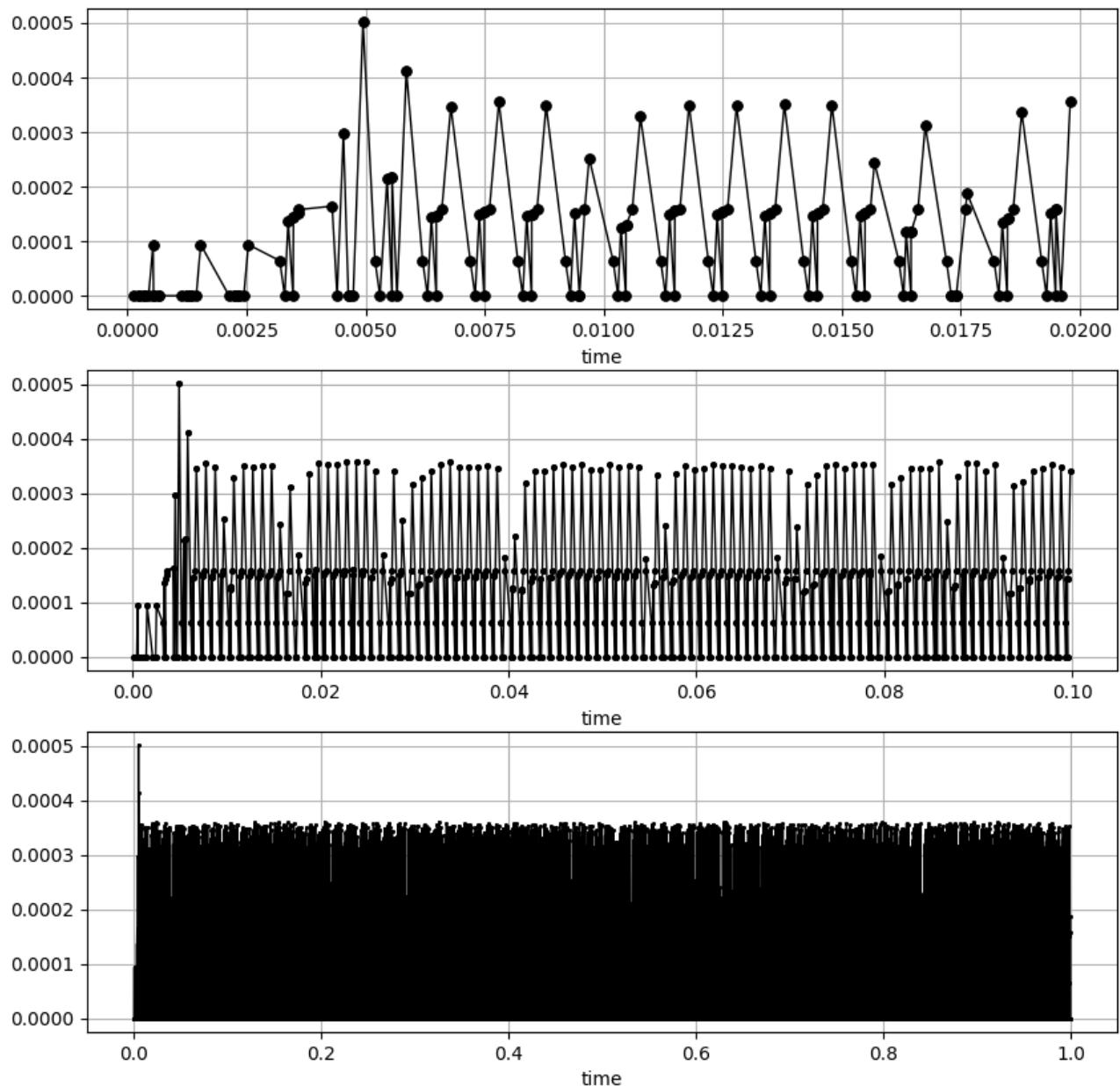
Minimum : **0.0**

Mean : **0.00011622784376352279**

Simulation mean is in 1.4% band of true mean with 95% confidence

Simulation mean is in 1.8% band of true mean with 99% confidence

SWQueueingTime for VL1 in AutoNetwork.ESGroup[0].afdxMarshall[0]



3.2. VL2 Statistics

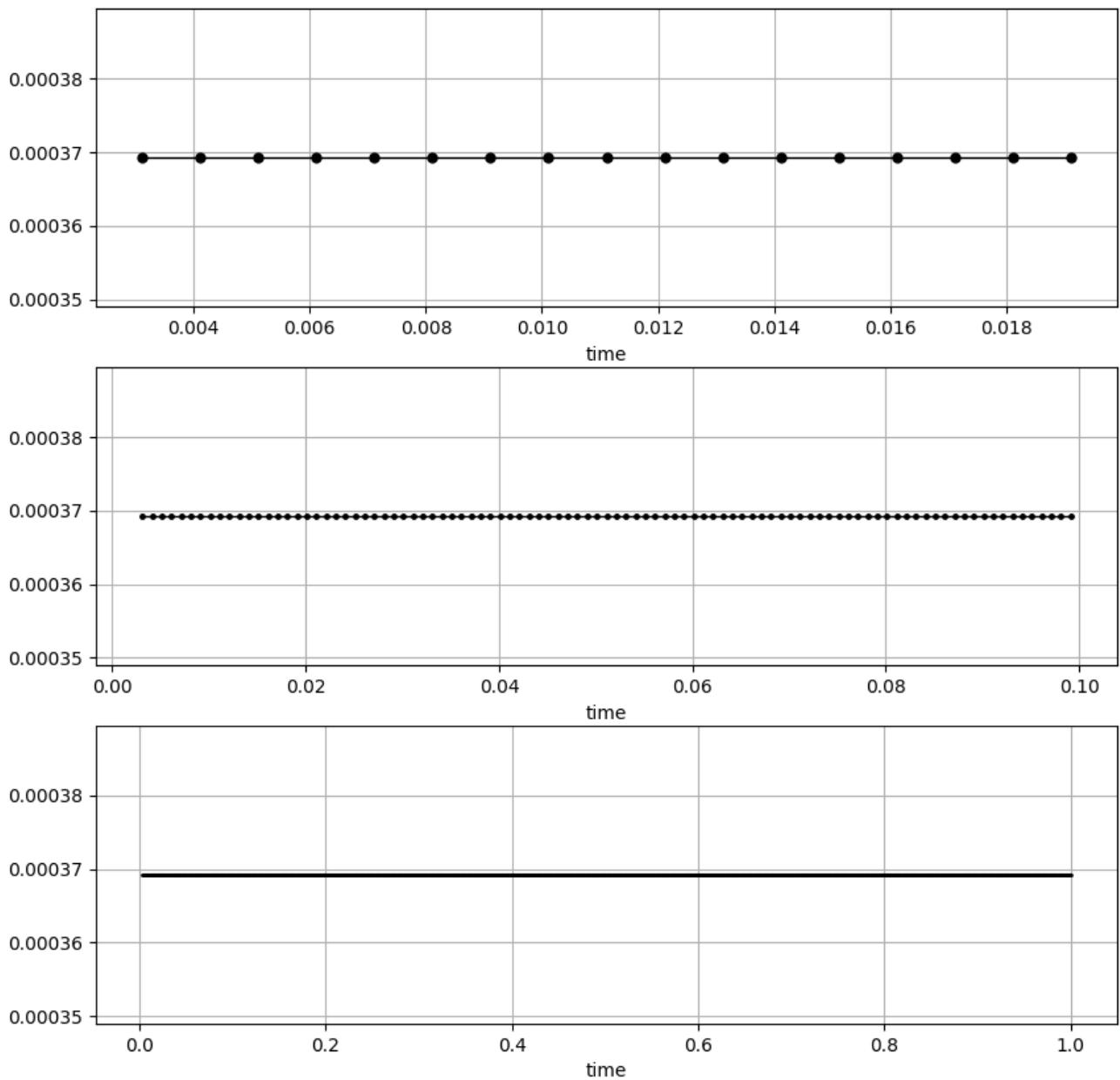
E2ELatency

Maximum	:	0.00036927
Minimum	:	0.00036927
Mean	:	0.00036927

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

E2ELatency for VL2 in AutoNetwork.ESGroup[1].afdxMarshall[0]

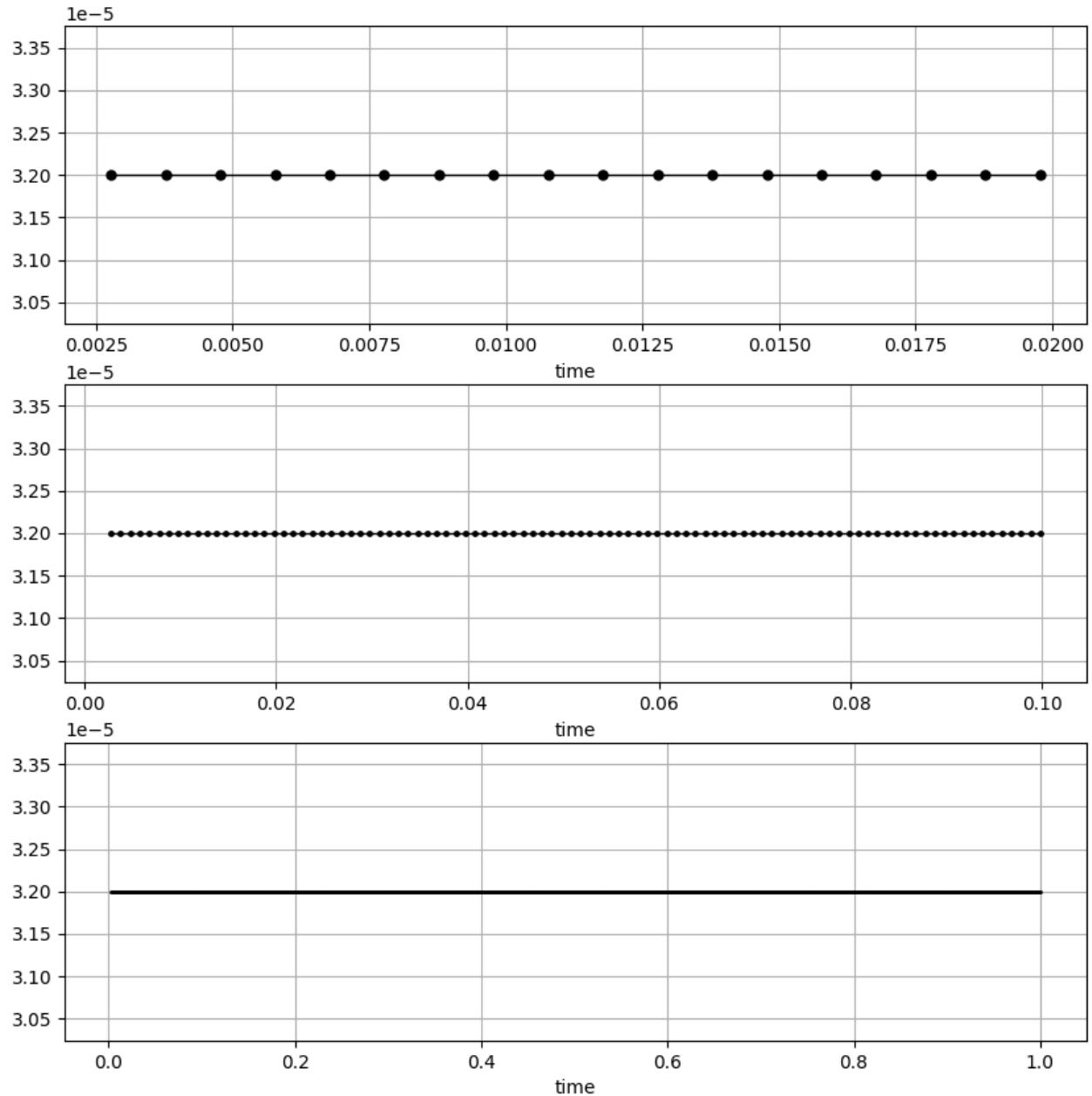


ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL2 in AutoNetwork.ESGroup[1].afdxMarshall[0]



ESSchedulingLatency

Maximum : **0.00020218**

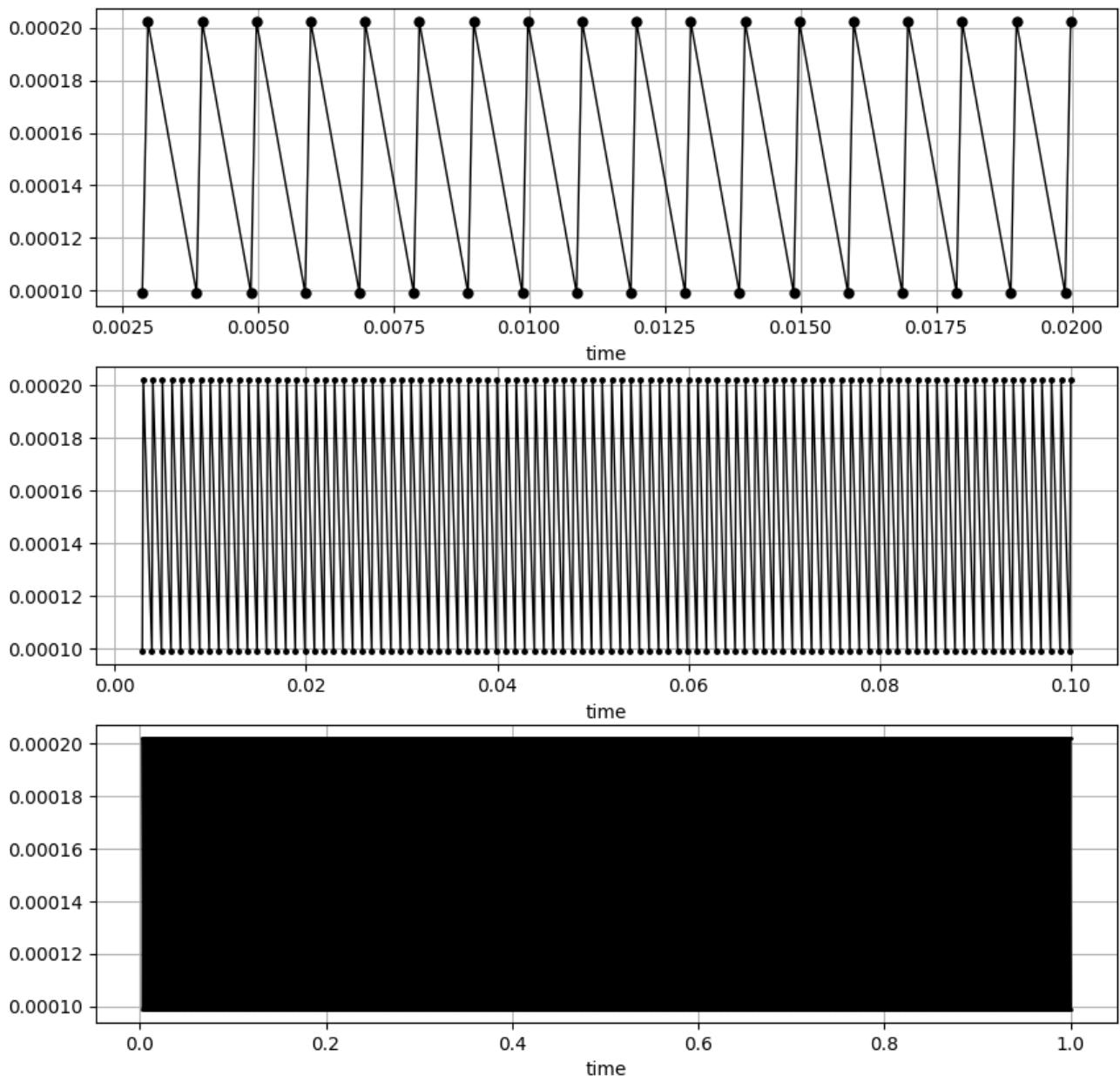
Minimum : **9.909e-05**

Mean : **0.00015063499999999998**

Simulation mean is in 1.5% band of true mean with 95% confidence

Simulation mean is in 2.0% band of true mean with 99% confidence

ESSchedulingLatency for VL2 in AutoNetwork.ESGroup[1].afdxMarshall[0]



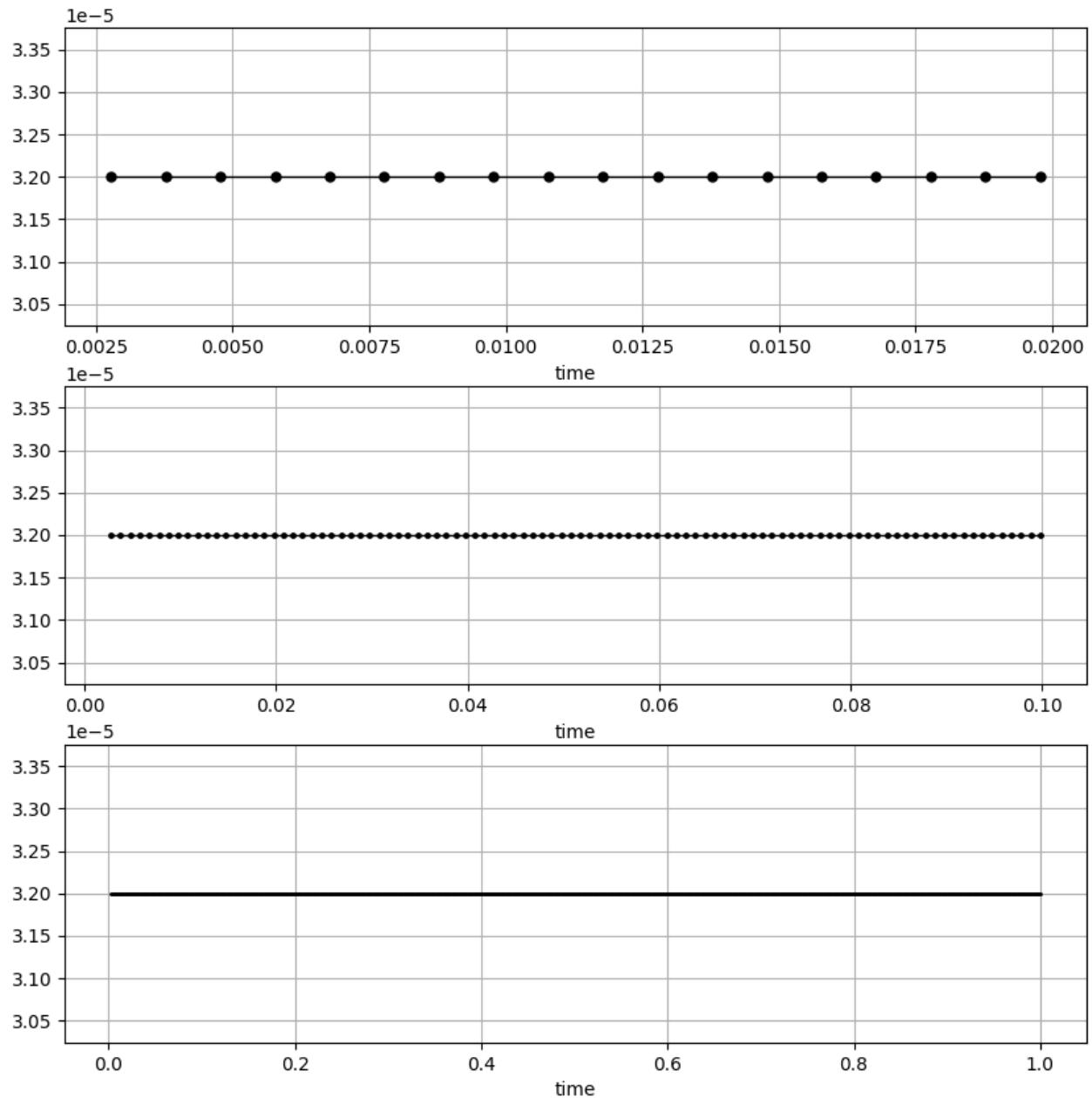
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

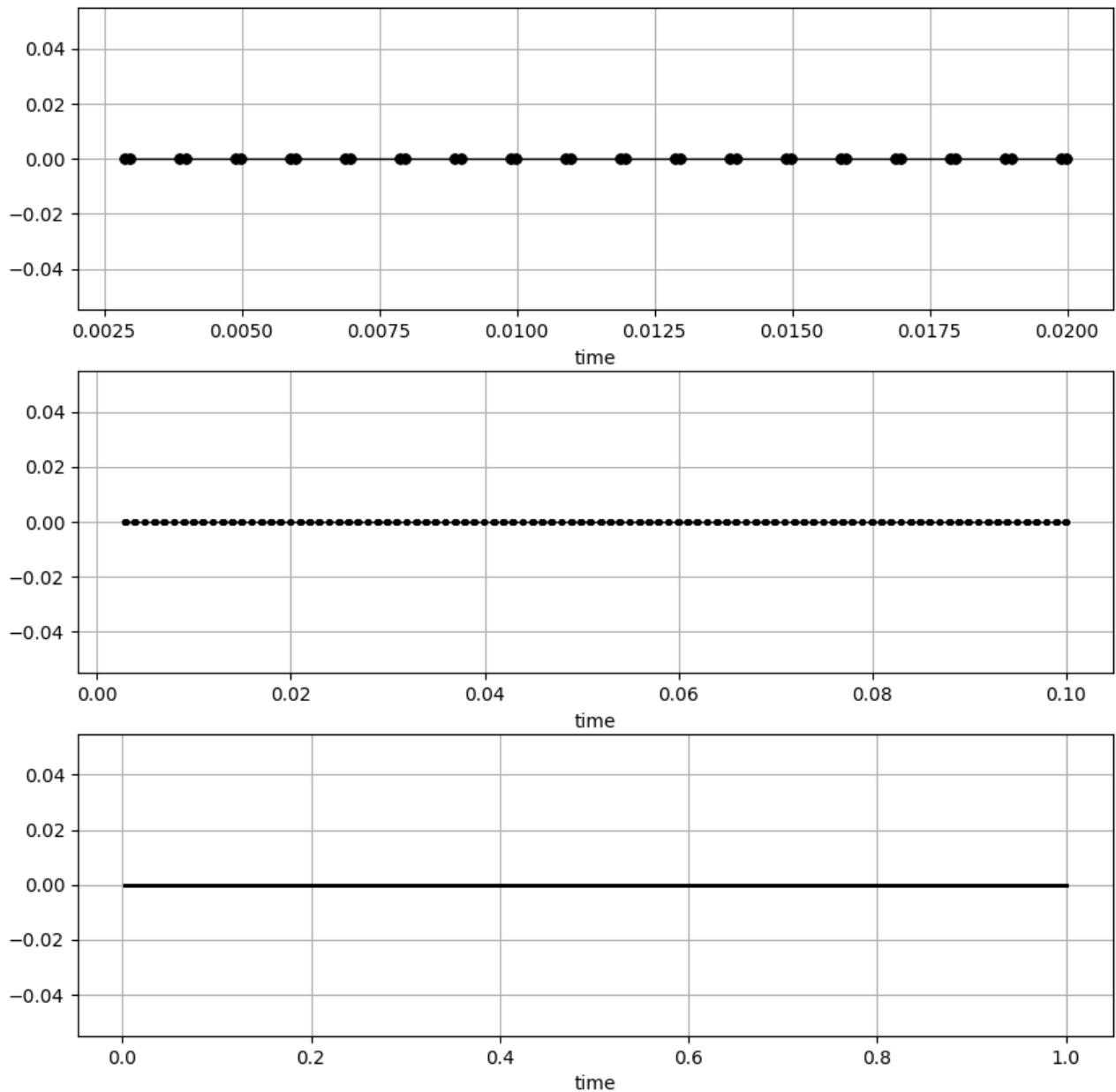
ESBagLatency for VL2 in AutoNetwork.ESGroup[1].afdxMarshall[0]



SWQueueingTime

Maximum	:	0.0
Minimum	:	0.0
Mean	:	0.0

SWQueueingTime for VL2 in AutoNetwork.ESGroup[1].afdxMarshall[0]



3.3. VL3 Statistics

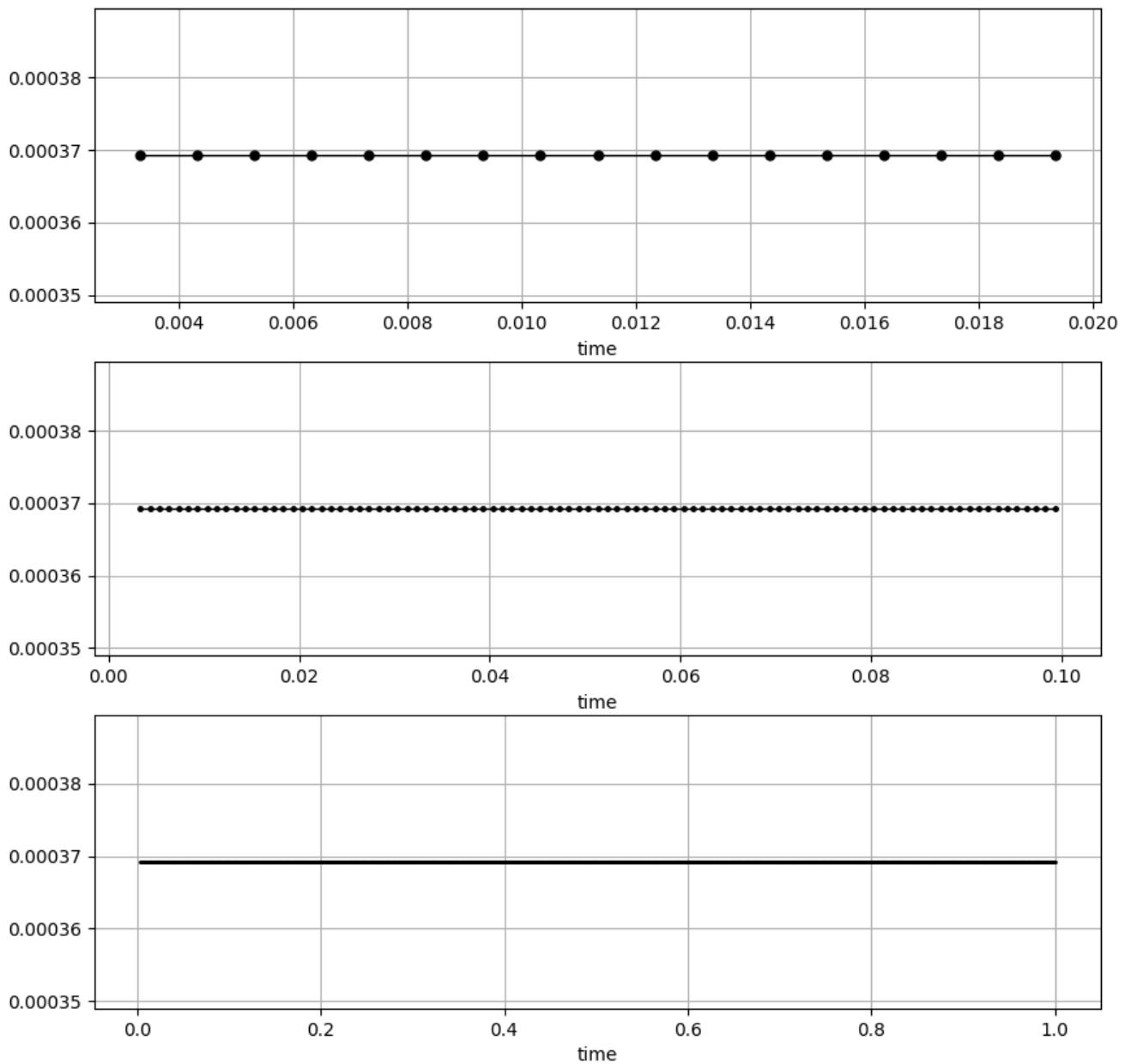
E2ELatency

Maximum	:	0.00036927
Minimum	:	0.00036927
Mean	:	0.00036927

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

E2ELatency for VL3 in AutoNetwork.ESGroup[2].afdxMarshall[0]

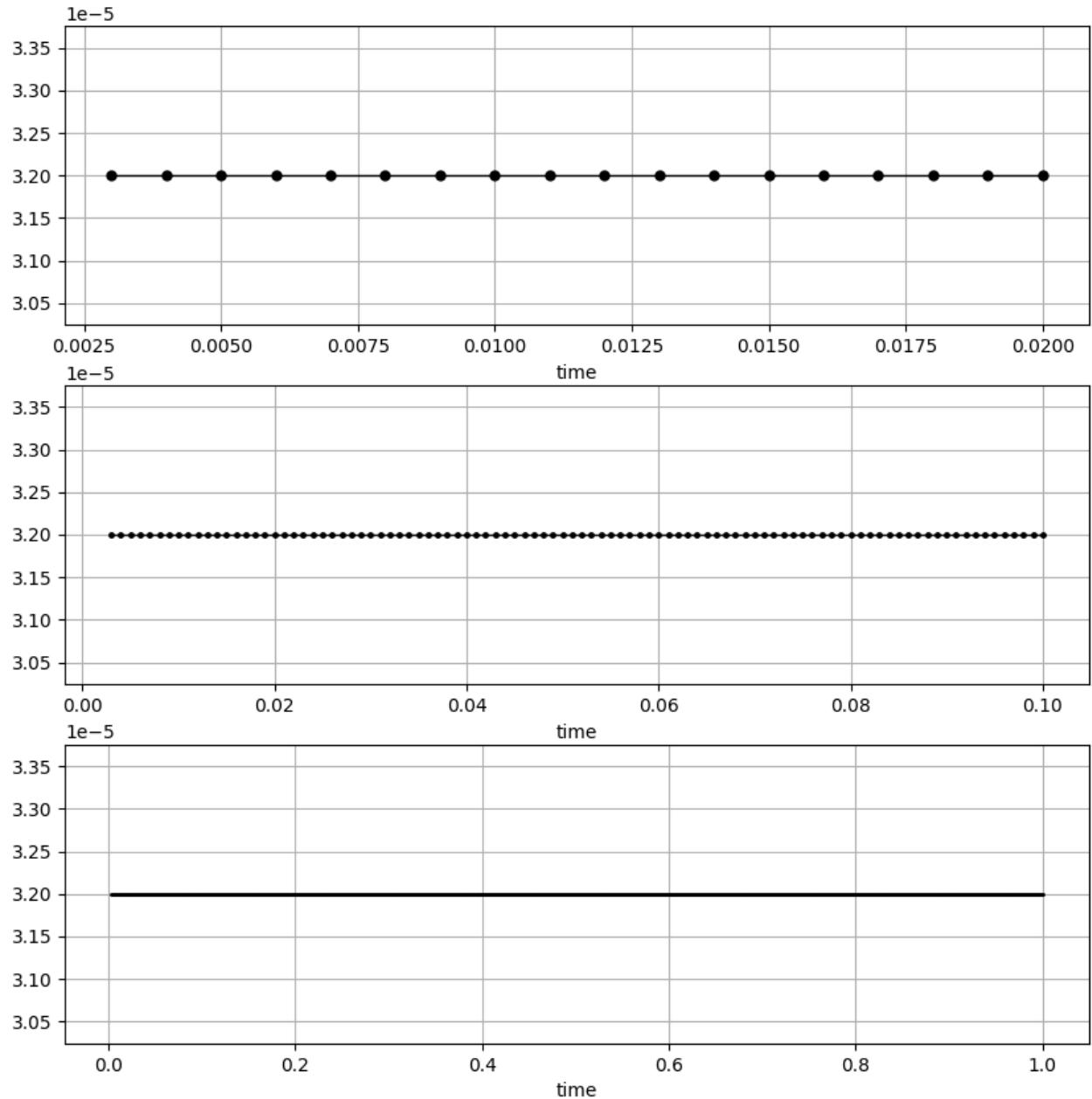


ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL3 in AutoNetwork.ESGroup[2].afdxMarshall[0]



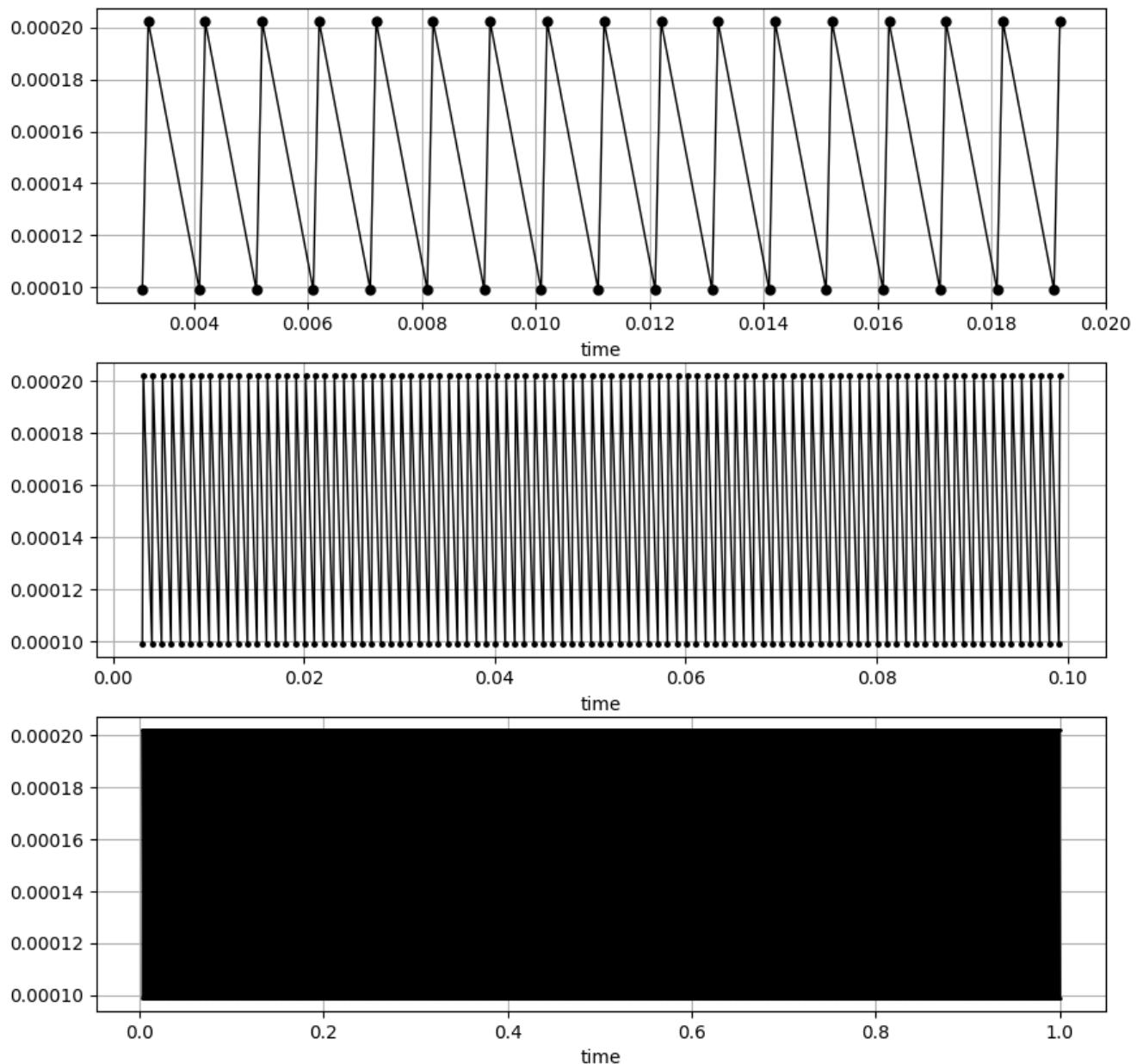
ESSchedulingLatency

Maximum	:	0.00020218
Minimum	:	9.909e-05
Mean	:	0.00015063499999999998

Simulation mean is in 1.5% band of true mean with 95% confidence

Simulation mean is in 2.0% band of true mean with 99% confidence

ESSchedulingLatency for VL3 in AutoNetwork.ESGroup[2].afdxMarshall[0]



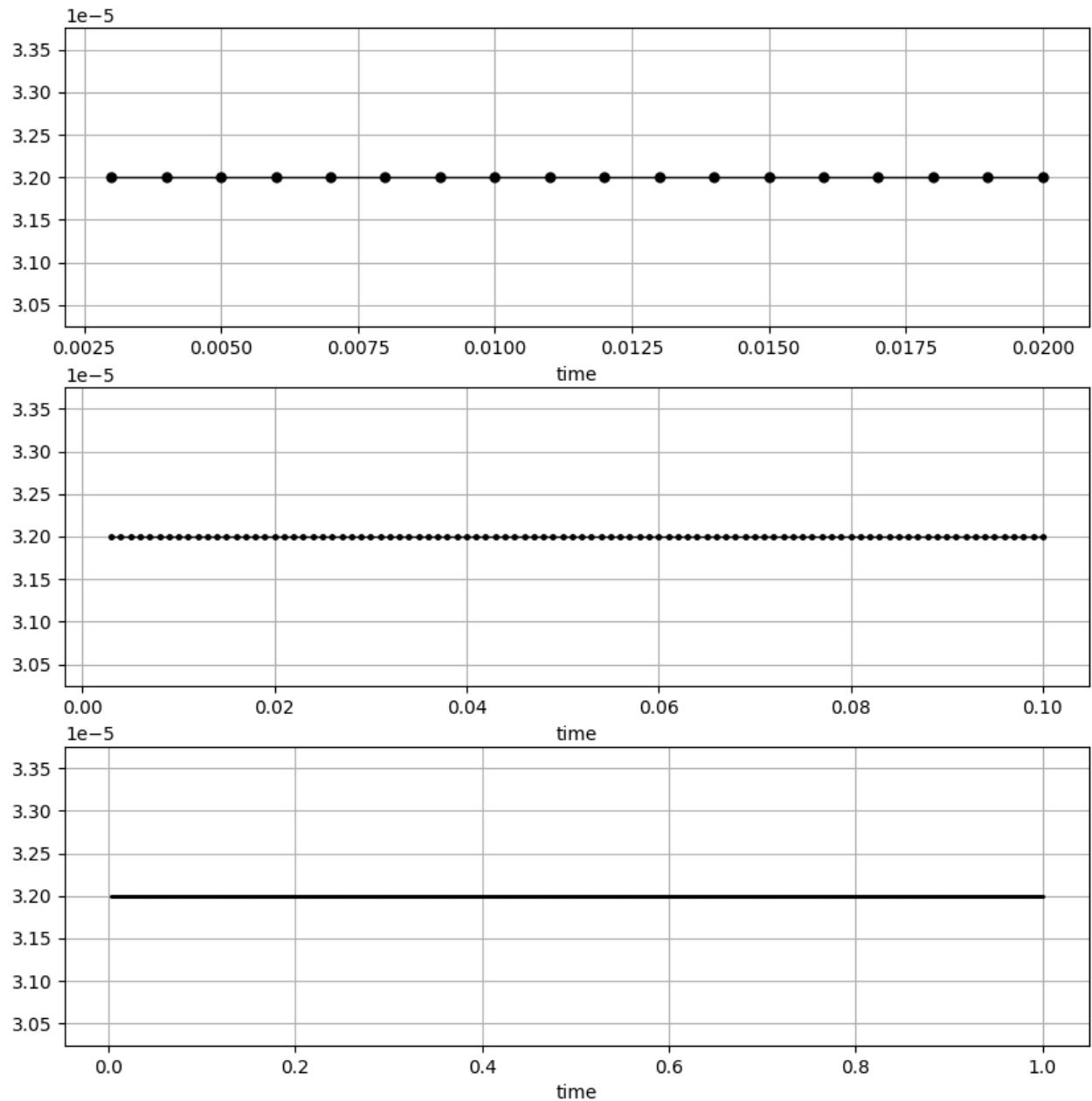
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

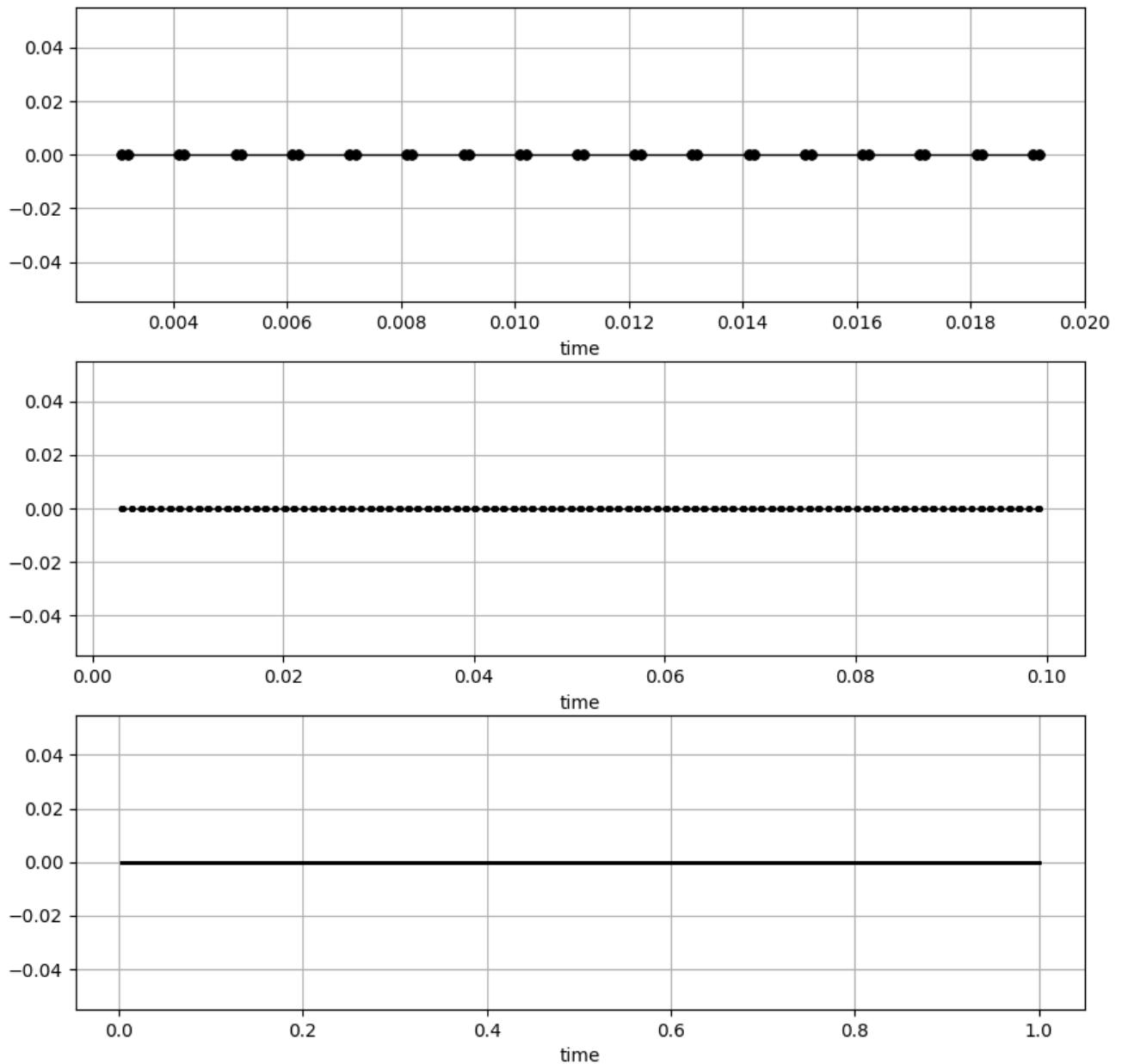
ESBagLatency for VL3 in AutoNetwork.ESGroup[2].afdxMarshall[0]



SWQueueingTime

Maximum	:	0.0
Minimum	:	0.0
Mean	:	0.0

SWQueueingTime for VL3 in AutoNetwork.ESGroup[2].afdxMarshall[0]



3.4. VL4 Statistics

E2ELatency

Maximum : **0.000704310027**

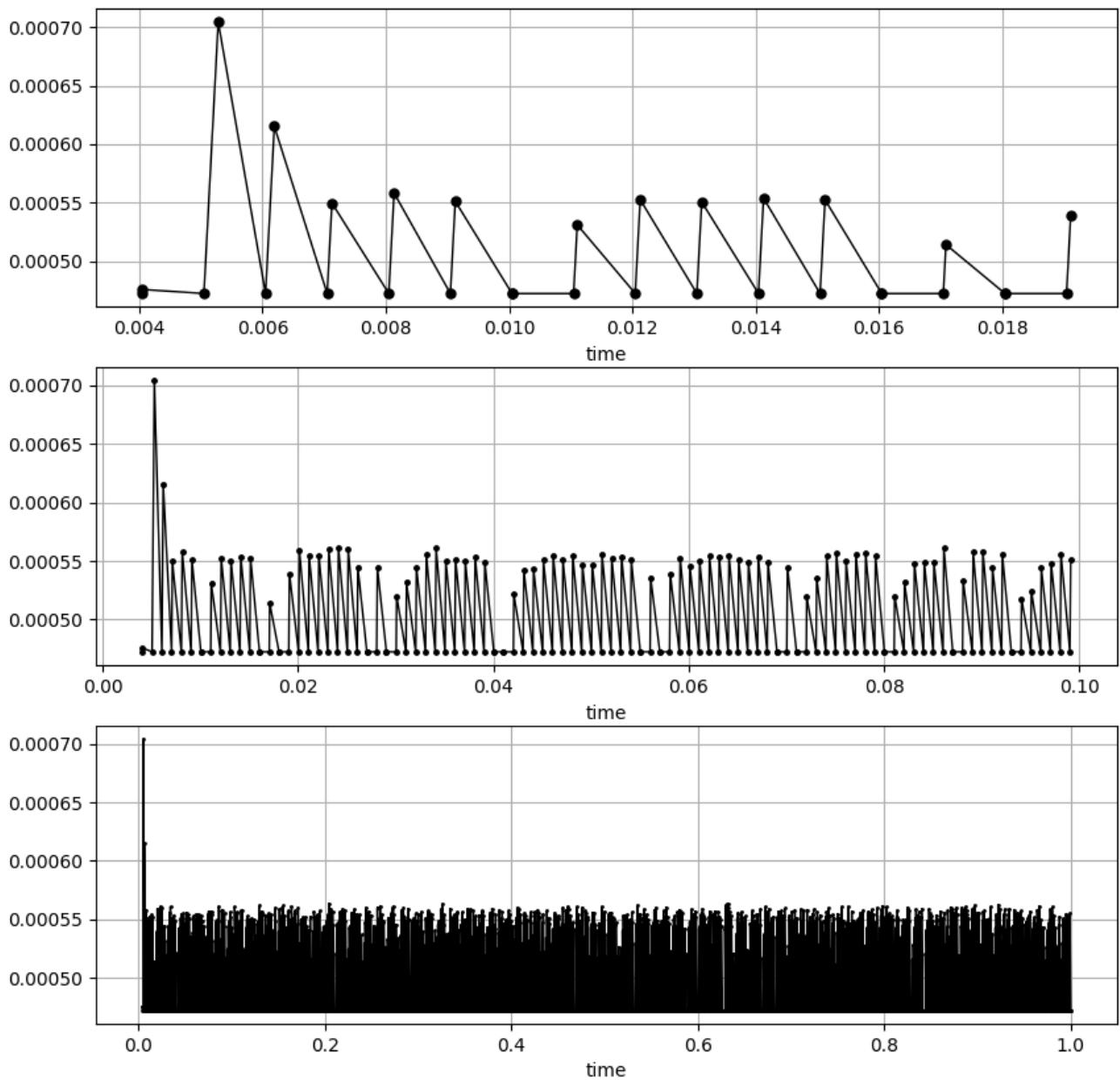
Minimum : **0.00047236**

Mean : **0.0005044152434418254**

Simulation mean is in 0.3% band of true mean with 95% confidence

Simulation mean is in 0.4% band of true mean with 99% confidence

E2ELatency for VL4 in AutoNetwork.ESGroup[3].afdxMarshall[0]

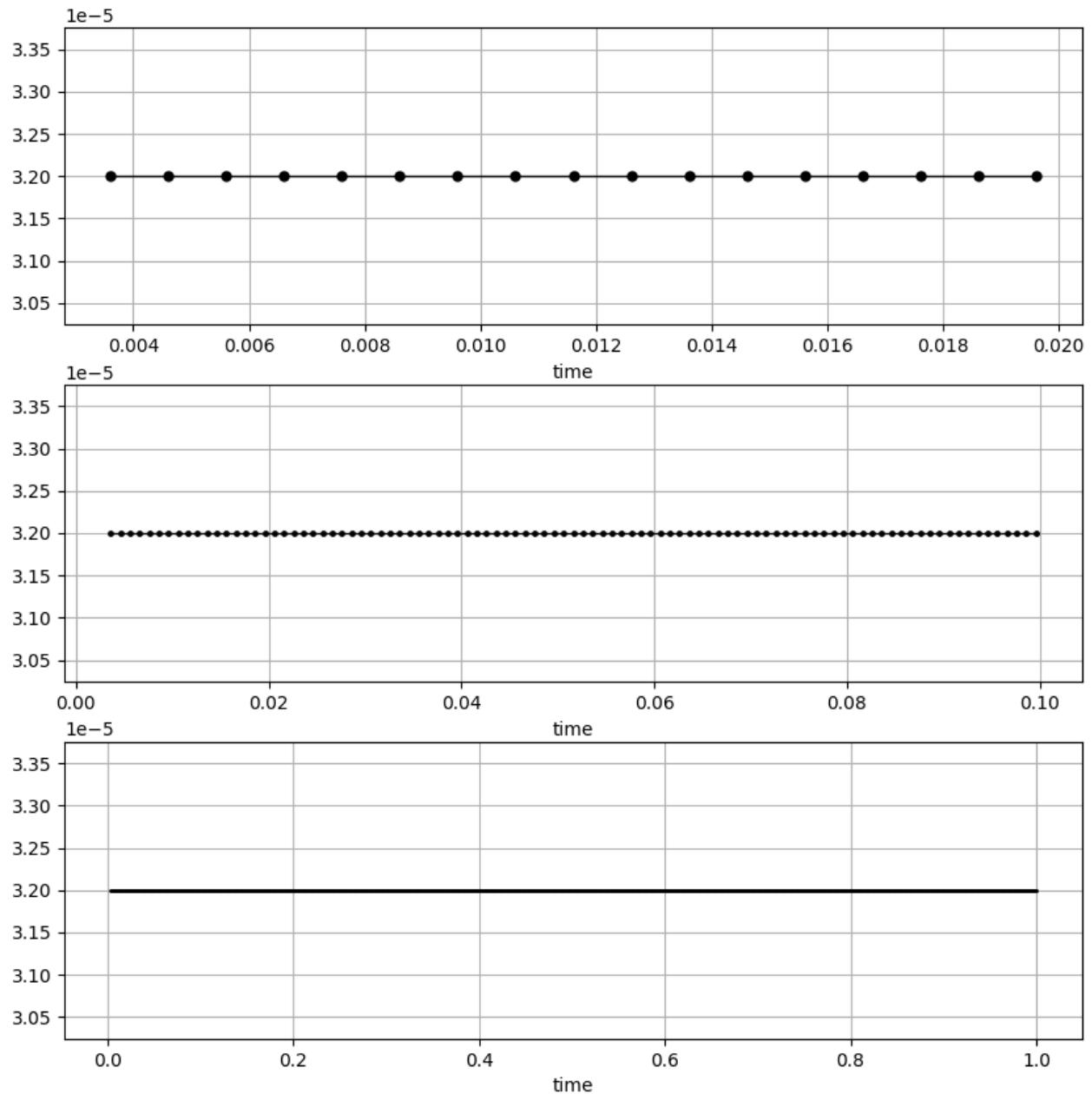


ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL4 in AutoNetwork.ESGroup[3].afdxMarshall[0]



ESSchedulingLatency

Maximum : **0.000926820027**

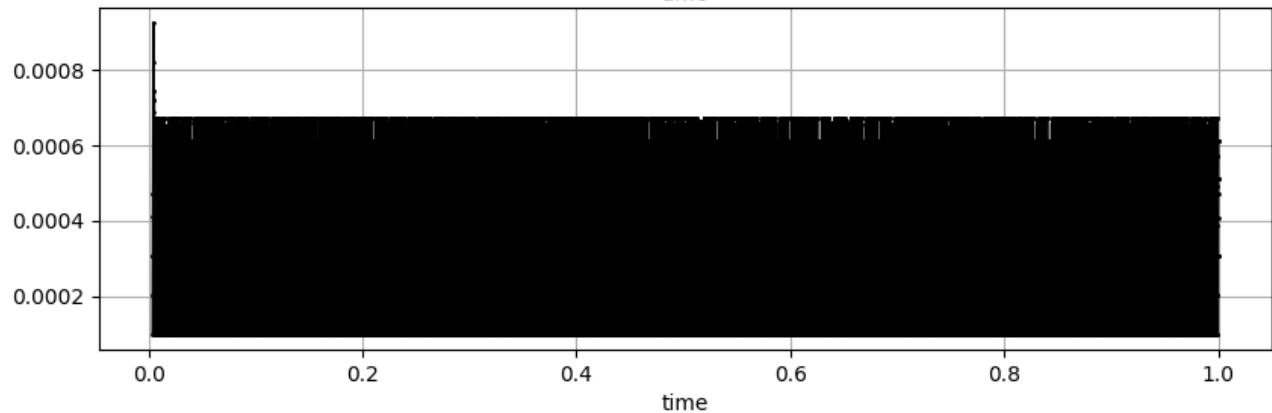
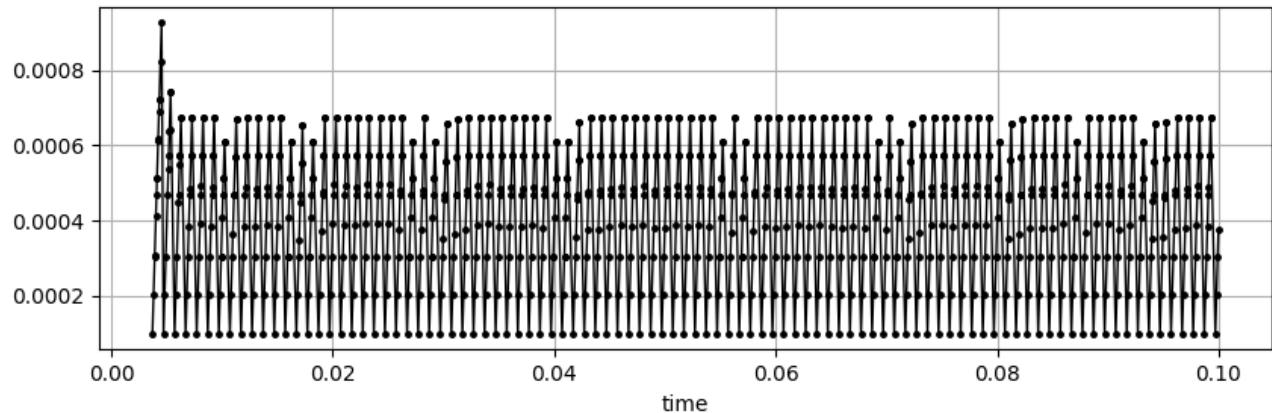
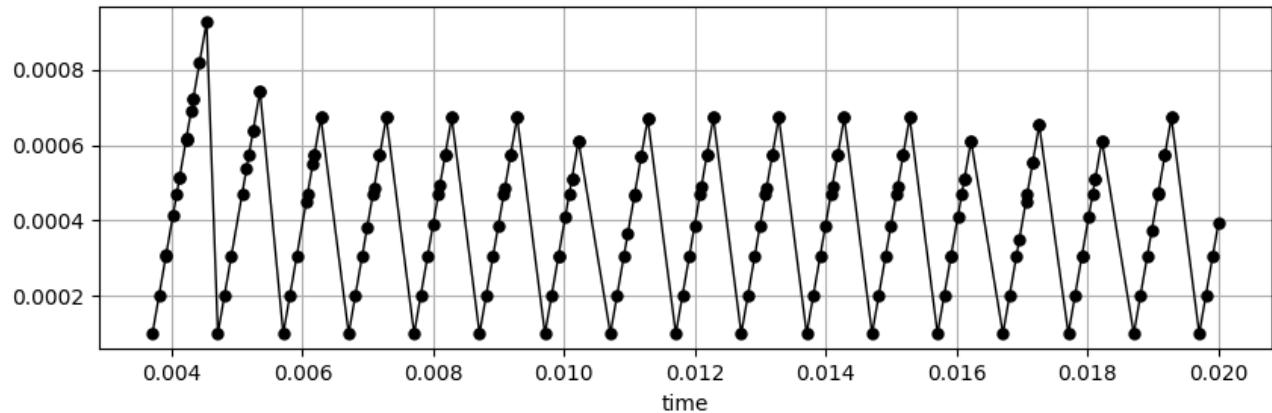
Minimum : **9.909e-05**

Mean : **0.00043732828079881715**

Simulation mean is in 0.8% band of true mean with 95% confidence

Simulation mean is in 1.1% band of true mean with 99% confidence

ESSchedulingLatency for VL4 in AutoNetwork.ESGroup[3].afdxMarshall[0]



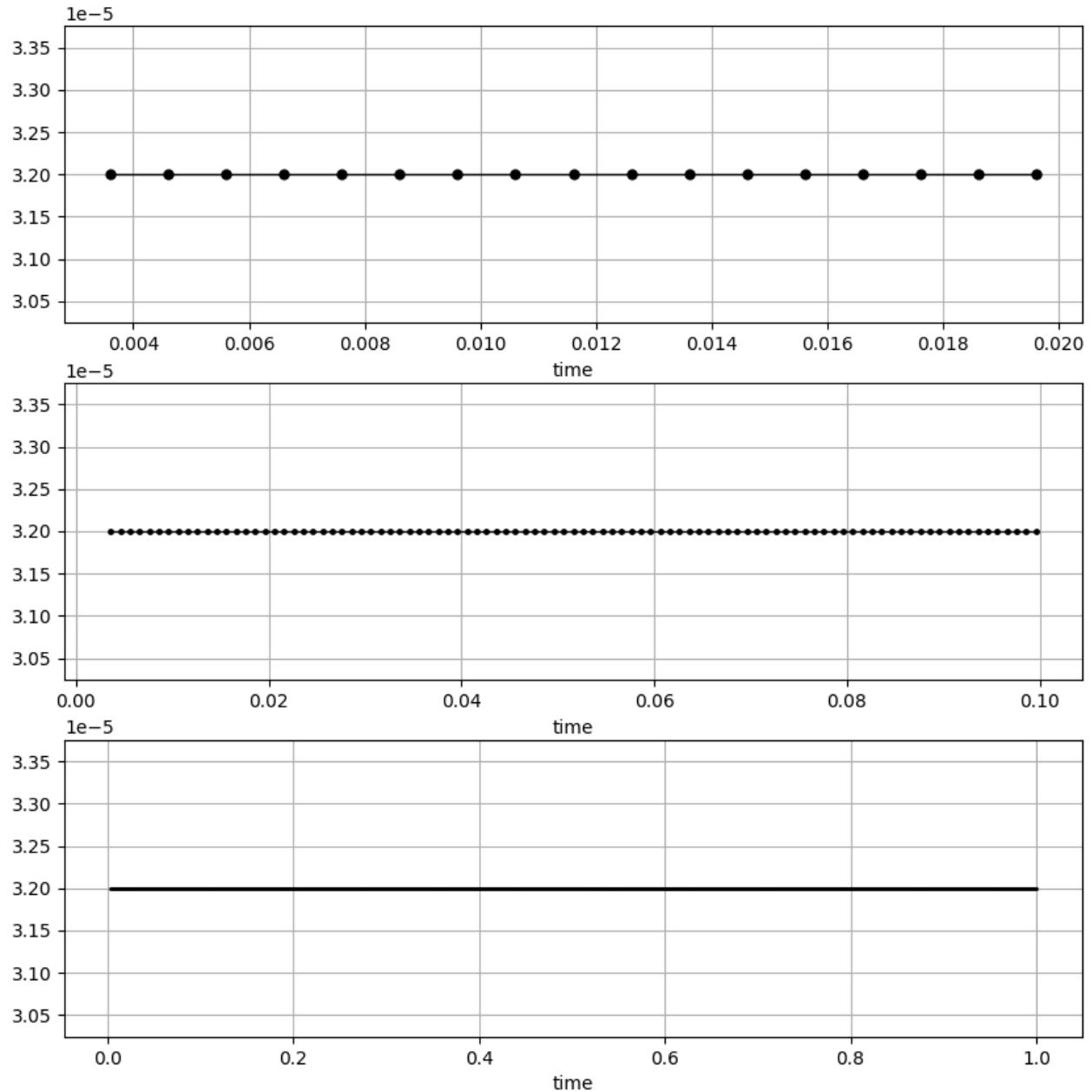
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency for VL4 in AutoNetwork.ESGroup[3].afdxMarshall[0]



SWQueueingTime

Maximum : **0.000231950027**

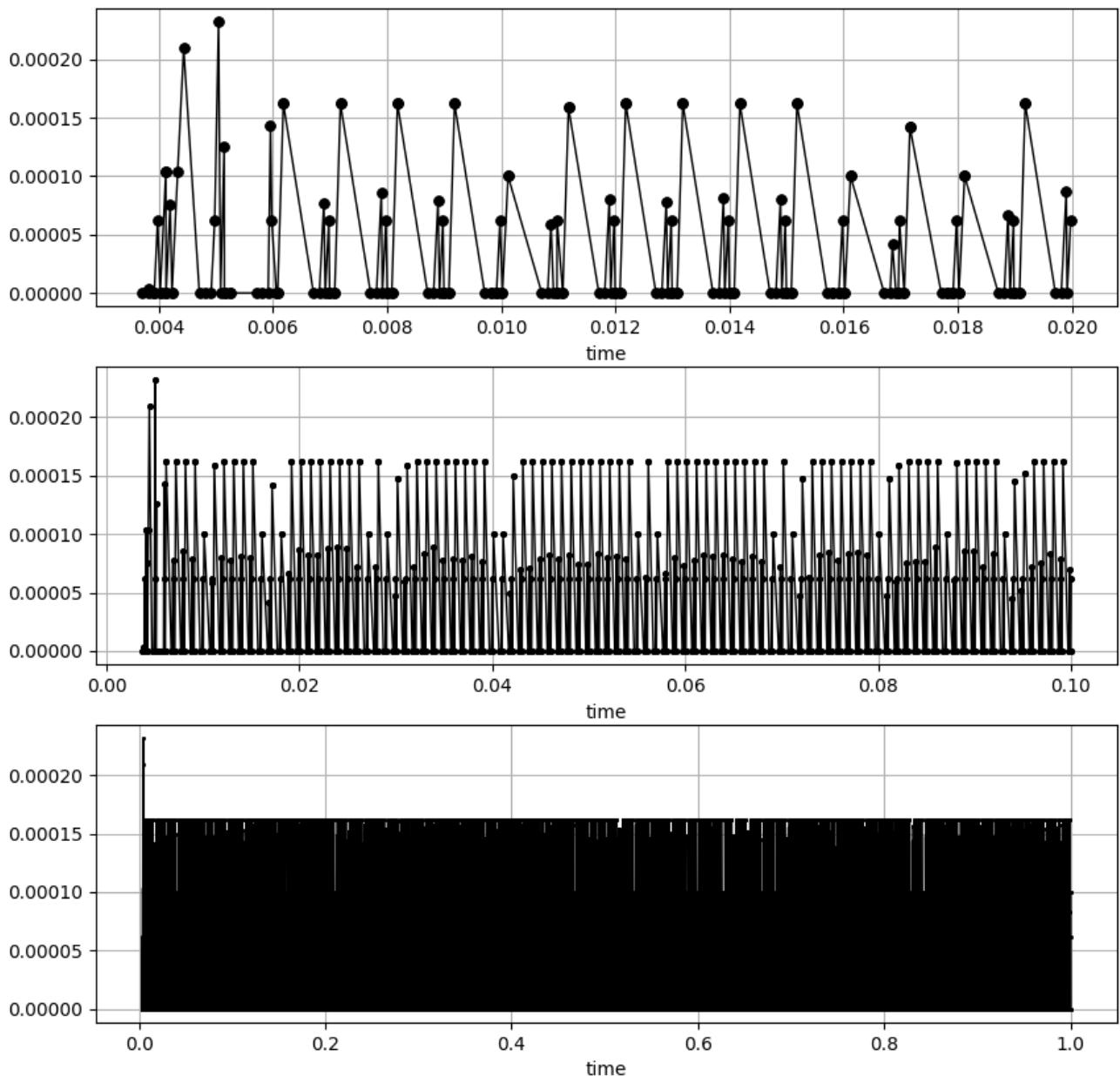
Minimum : **0.0**

Mean : **3.902566559015945e-05**

Simulation mean is in 2.0% band of true mean with 95% confidence

Simulation mean is in 2.7% band of true mean with 99% confidence

SWQueueingTime for VL4 in AutoNetwork.ESGroup[3].afdxMarshall[0]



3.5. VL5 Statistics

E2ELatency

Maximum : **0.000757808132**

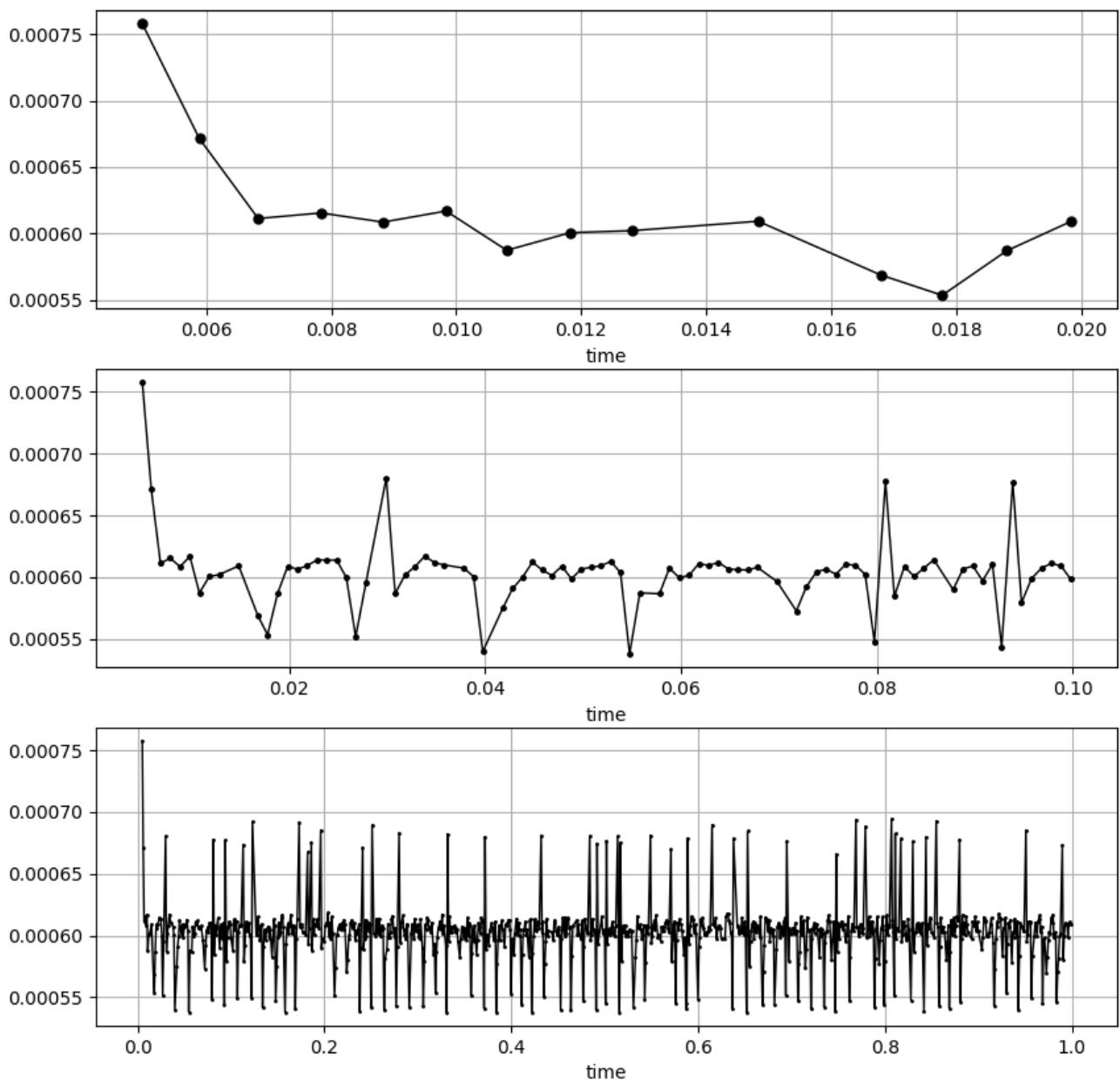
Minimum : **0.000537829379**

Mean : **0.000602666885454955**

Simulation mean is in 0.3% band of true mean with 95% confidence

Simulation mean is in 0.4% band of true mean with 99% confidence

E2ELatency for VL5 in AutoNetwork.ESGroup[4].afdxMarshall[0]

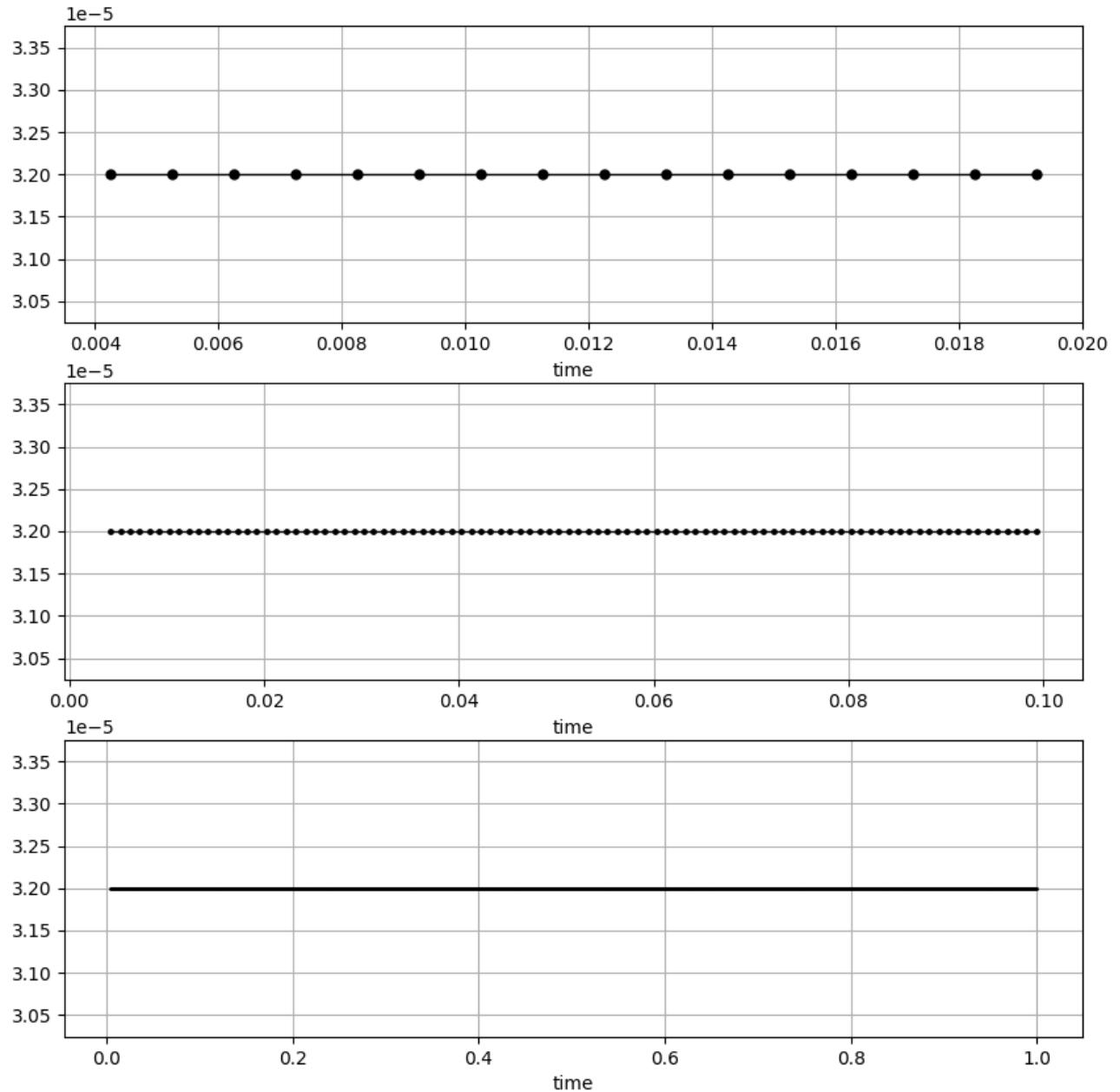


ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL5 in AutoNetwork.ESGroup[4].afdxMarshall[0]



ESSchedulingLatency

Maximum : **0.000586078132**

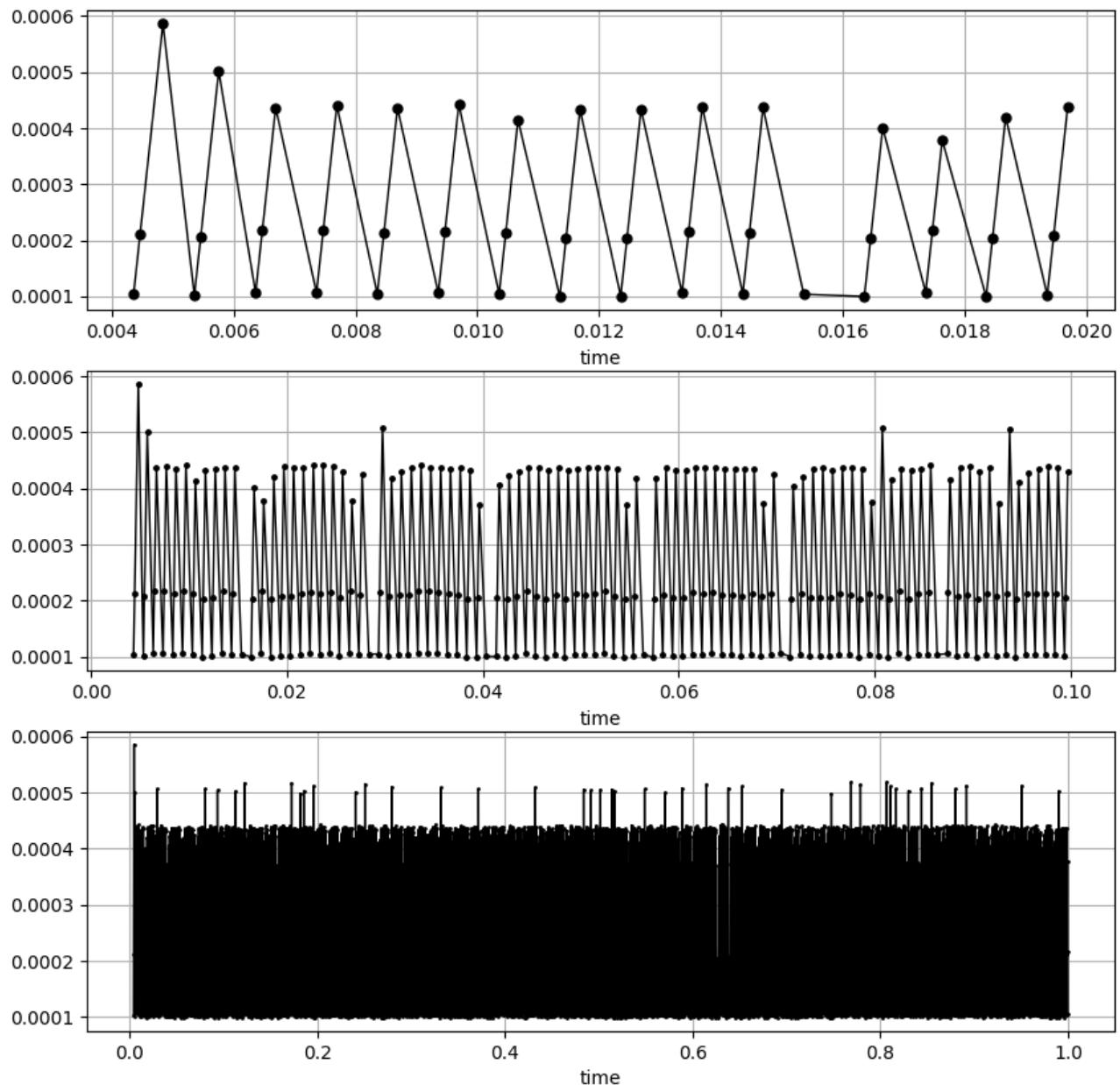
Minimum : **9.909e-05**

Mean : **0.00024414460131630855**

Simulation mean is in 2.1% band of true mean with 95% confidence

Simulation mean is in 2.7% band of true mean with 99% confidence

ESSchedulingLatency for VL5 in AutoNetwork.ESGroup[4].afdxMarshall[0]



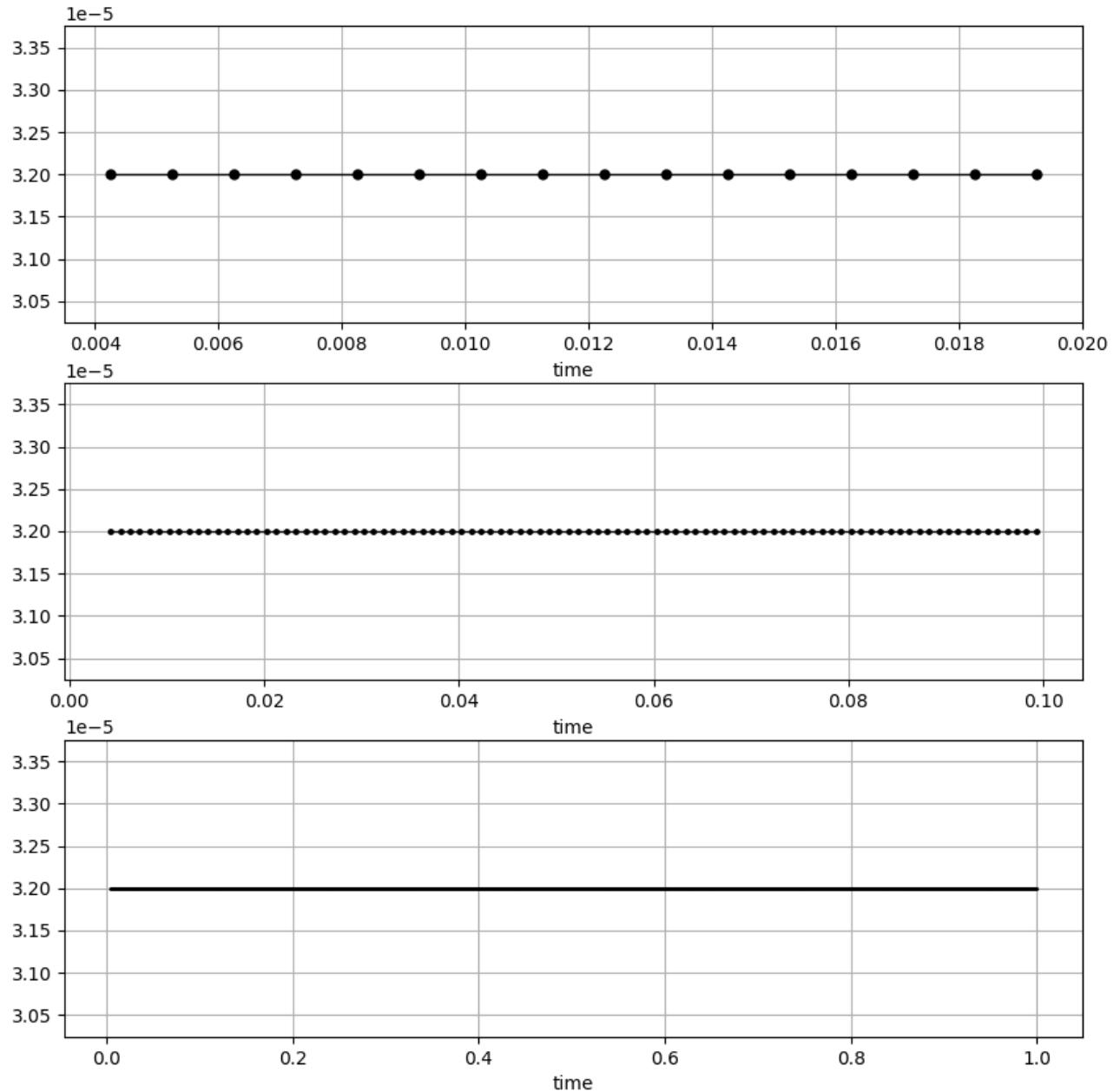
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency for VL5 in AutoNetwork.ESGroup[4].afdxMarshall[0]



SWQueueingTime

Maximum : **0.000266888132**

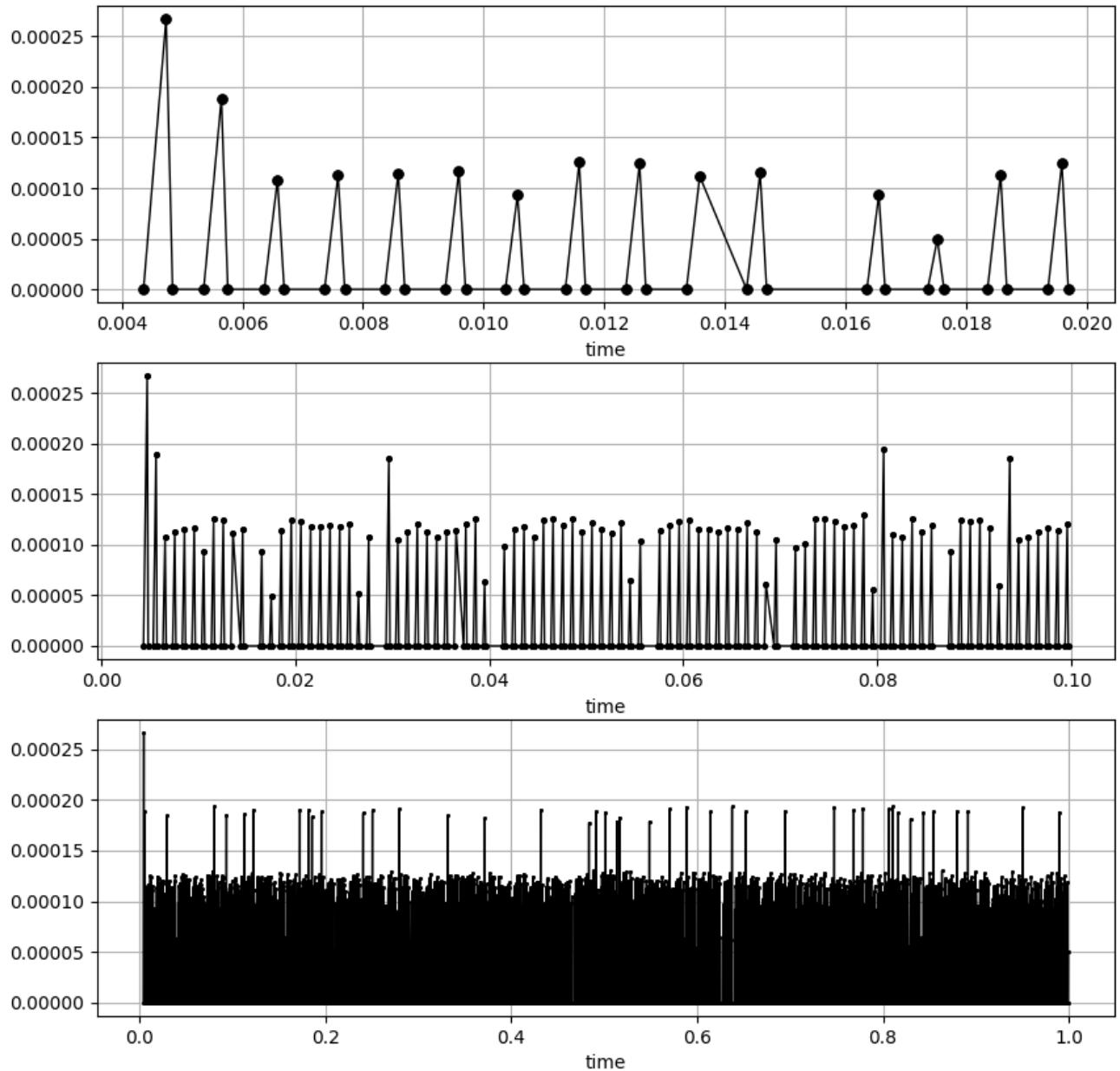
Minimum : **0.0**

Mean : **3.8524783912741875e-05**

Simulation mean is in 3.8% band of true mean with 95% confidence

Simulation mean is in 5.1% band of true mean with 99% confidence

SWQueueingTime for VL5 in AutoNetwork.ESGroup[4].afdxMarshall[0]



3.6. VL6 Statistics

E2ELatency

Maximum : **0.000580128753**

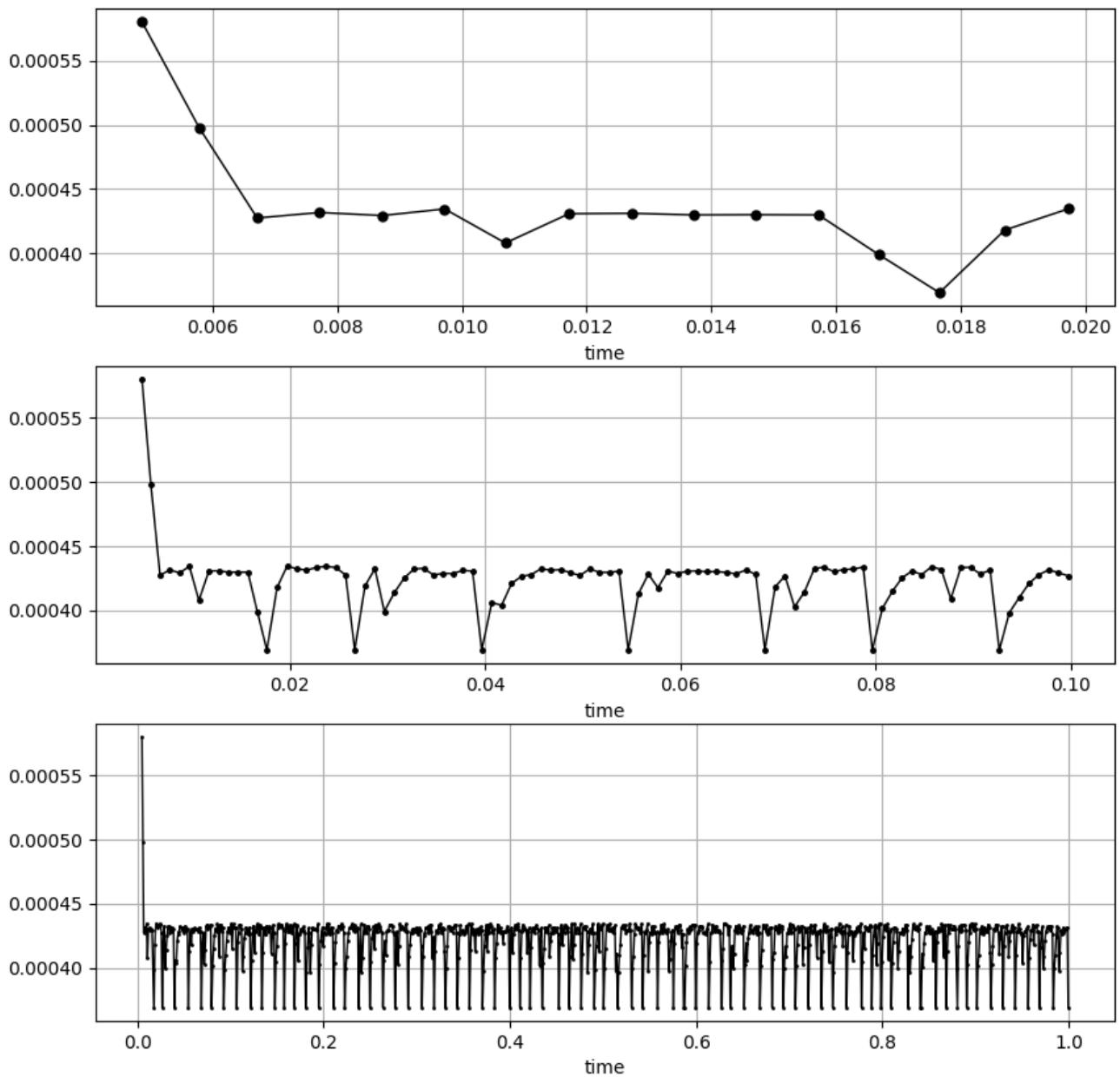
Minimum : **0.00036927**

Mean : **0.0004219217002680723**

Simulation mean is in 0.3% band of true mean with 95% confidence

Simulation mean is in 0.4% band of true mean with 99% confidence

E2ELatency for VL6 in AutoNetwork.ESGroup[5].afdxMarshall[0]

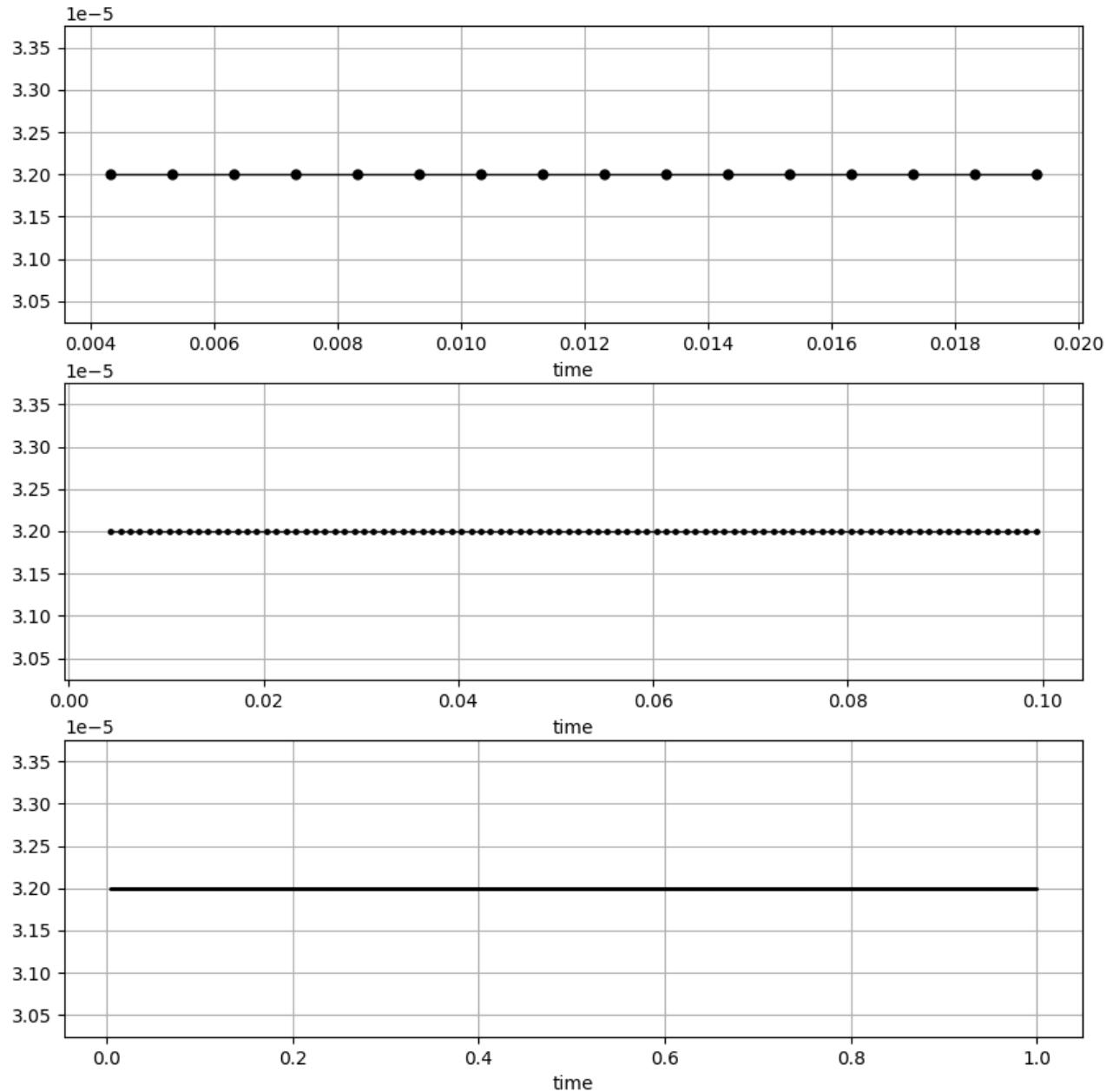


ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL6 in AutoNetwork.ESGroup[5].afdxMarshall[0]



ESSchedulingLatency

Maximum : **0.000413038753**

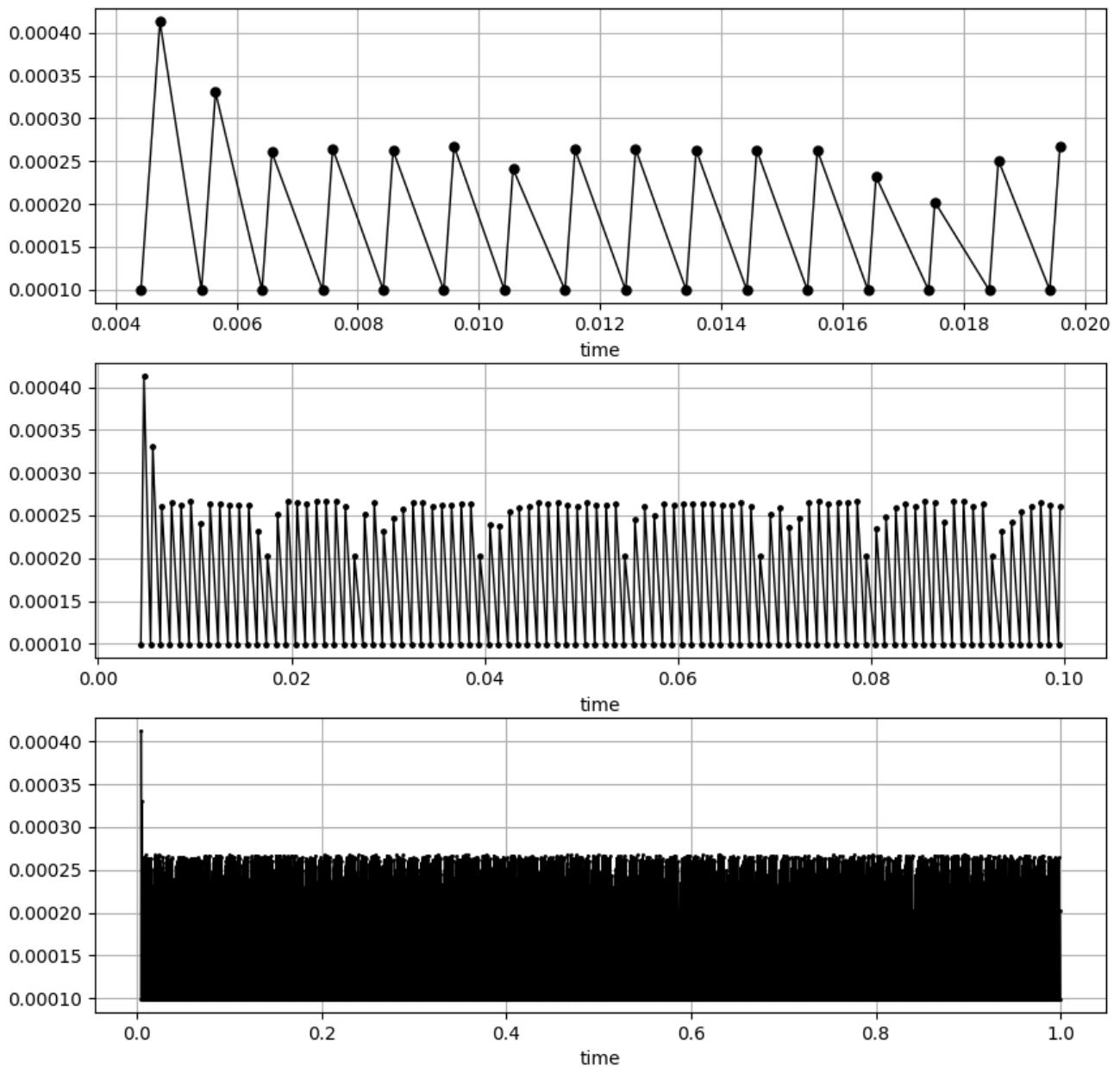
Minimum : **9.909e-05**

Mean : **0.00017696085013403615**

Simulation mean is in 2.0% band of true mean with 95% confidence

Simulation mean is in 2.6% band of true mean with 99% confidence

ESSchedulingLatency for VL6 in AutoNetwork.ESGroup[5].afdxMarshall[0]



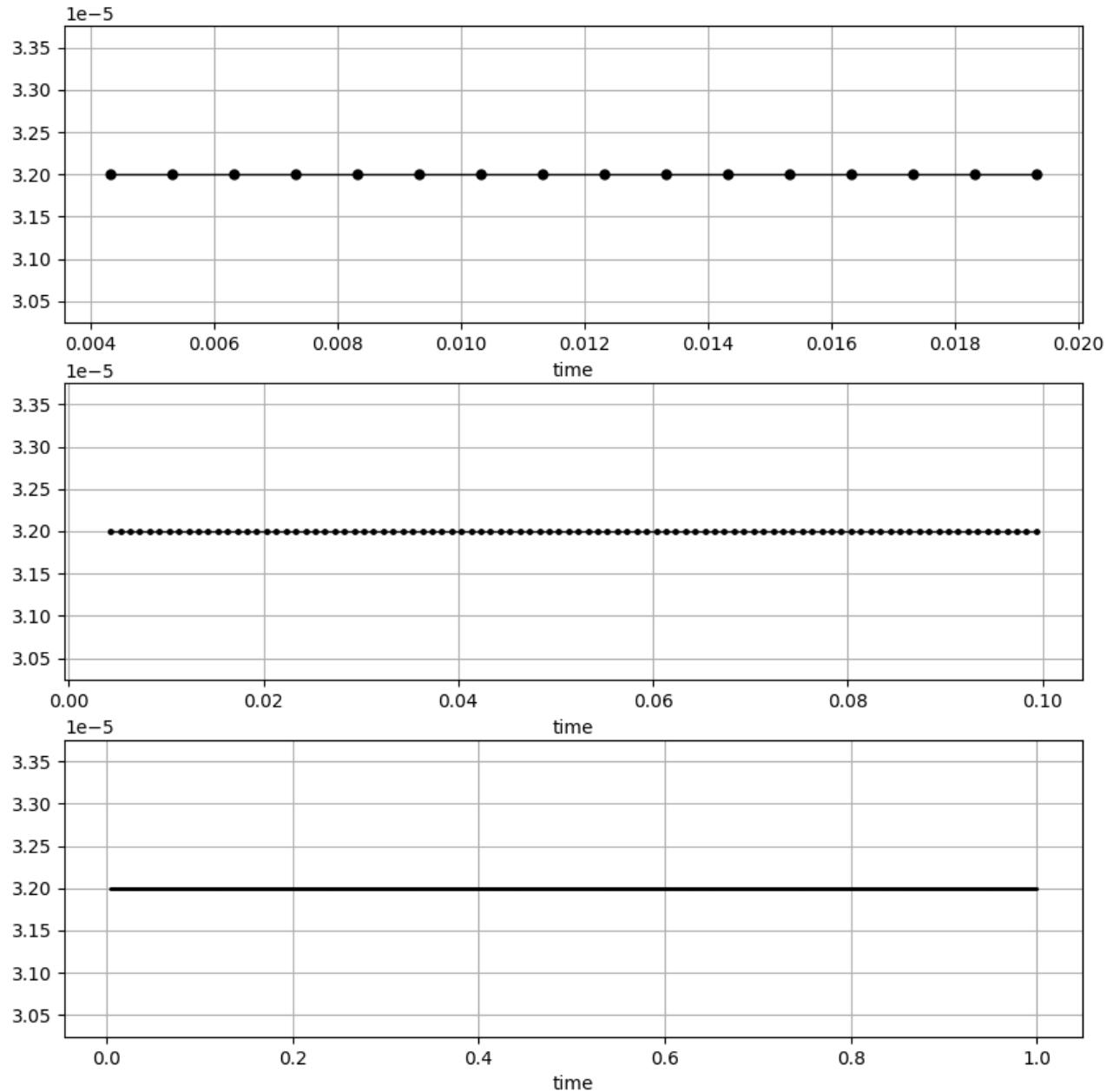
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency for VL6 in AutoNetwork.ESGroup[5].afdxMarshall[0]



SWQueueingTime

Maximum : **0.000210858753**

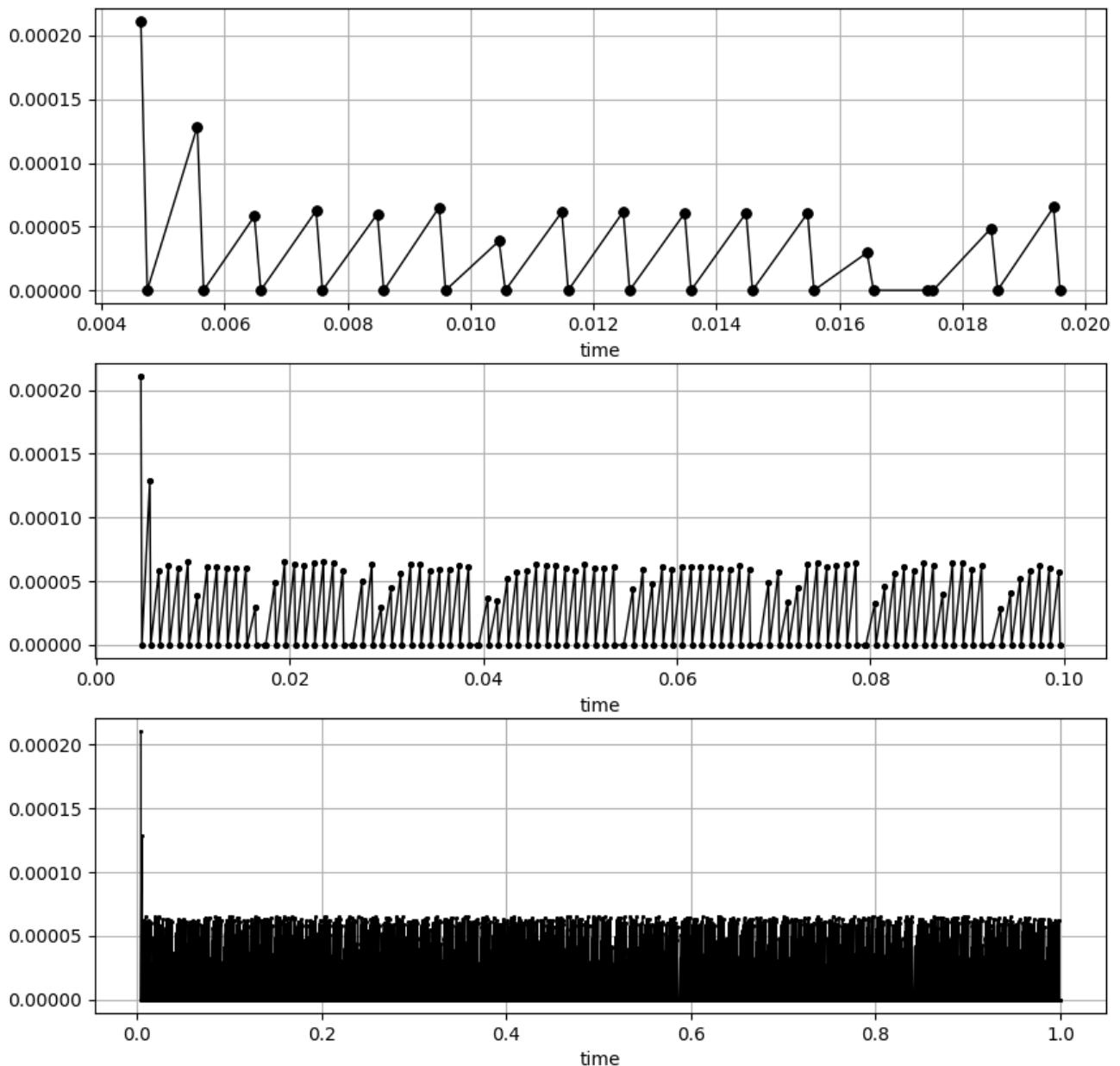
Minimum : **0.0**

Mean : **2.6325850134036145e-05**

Simulation mean is in 3.5% band of true mean with 95% confidence

Simulation mean is in 4.6% band of true mean with 99% confidence

SWQueueingTime for VL6 in AutoNetwork.ESGroup[5].afdxMarshall[0]



3.7. VL7 Statistics

E2ELatency

Maximum : **0.0005747**

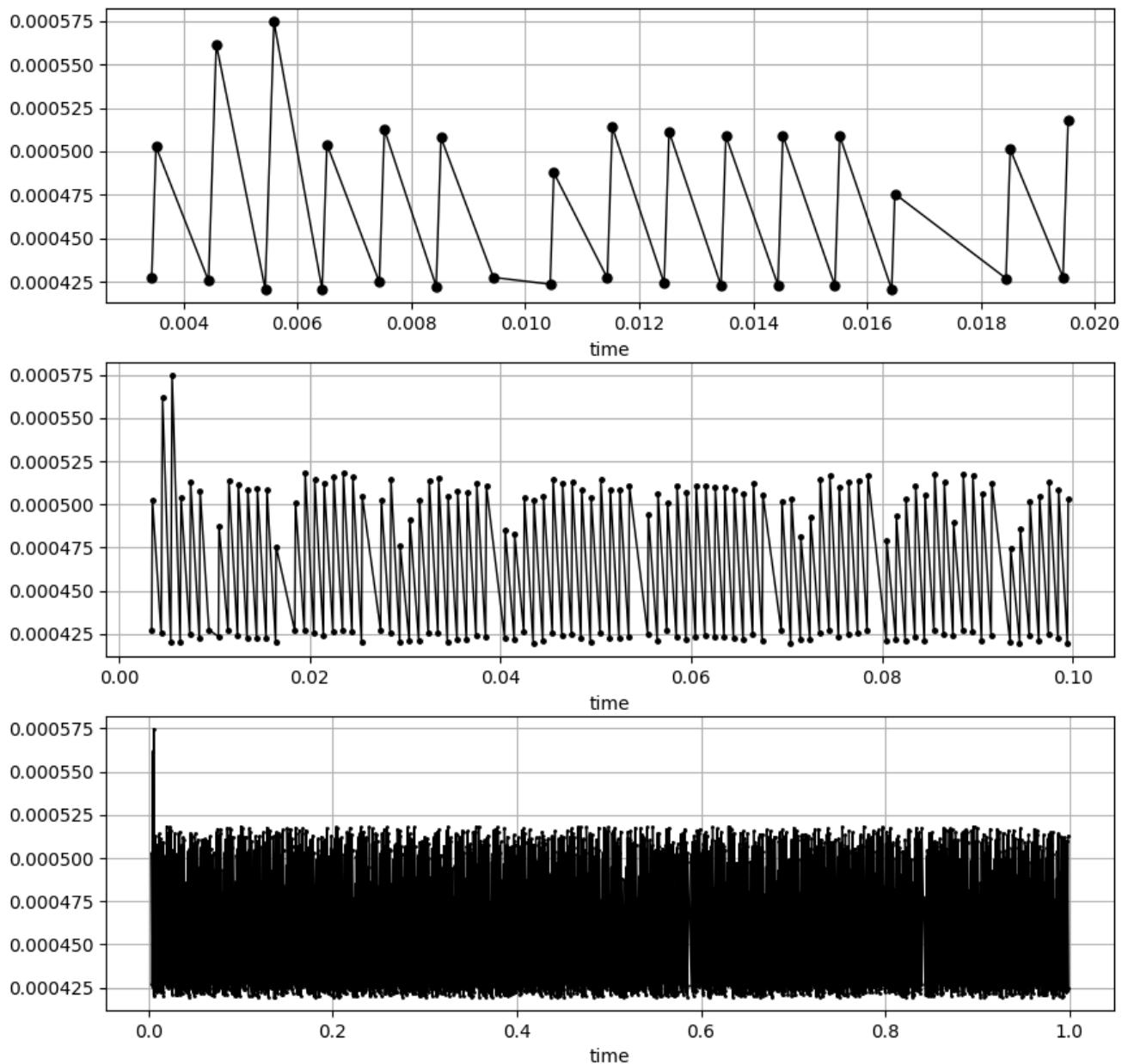
Minimum : **0.00041967623**

Mean : **0.00046475744301907357**

Simulation mean is in 0.4% band of true mean with 95% confidence

Simulation mean is in 0.5% band of true mean with 99% confidence

E2ELatency for VL7 in AutoNetwork.ESGroup[4].afdxMarshall[1]

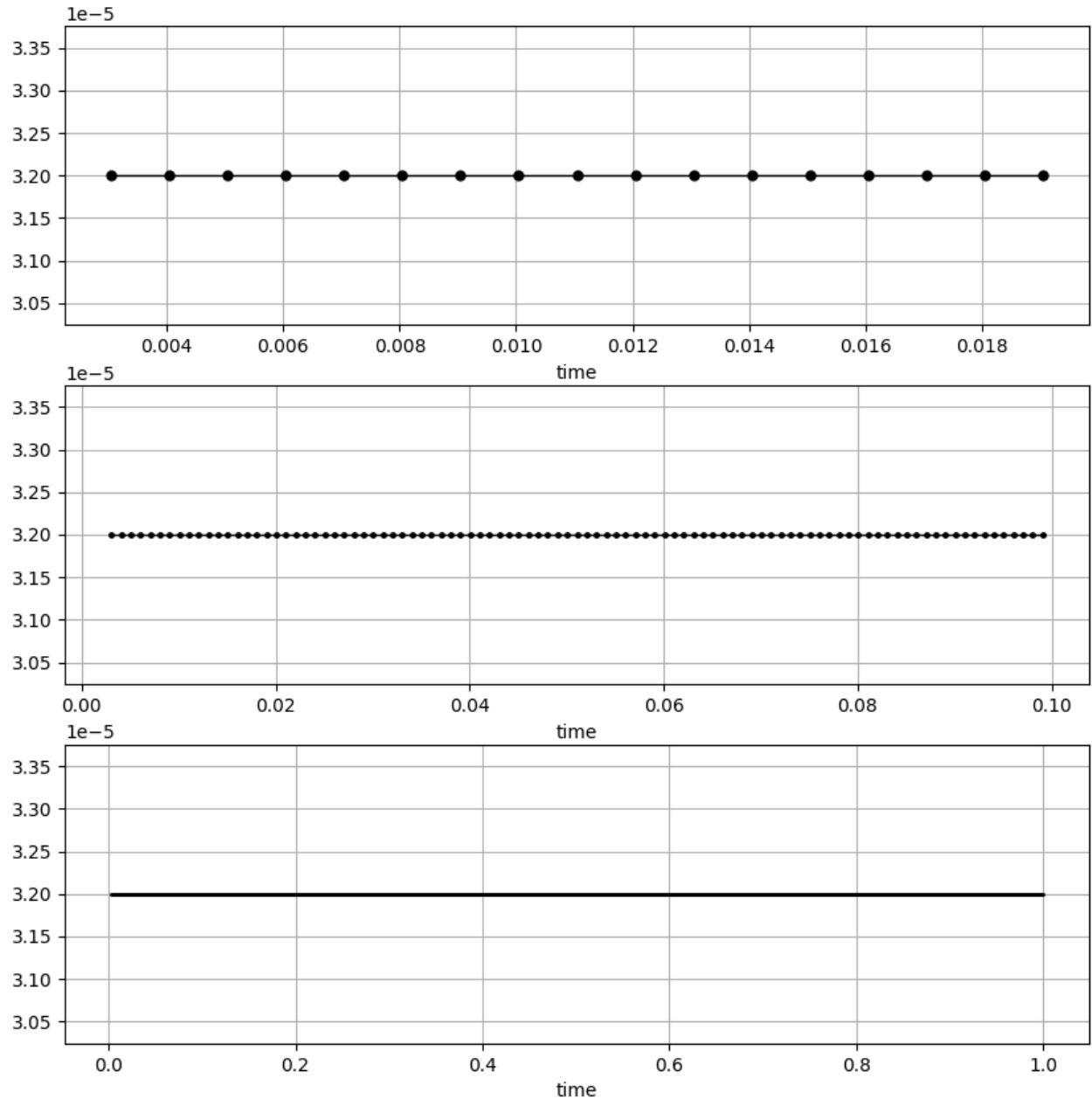


ESTotalLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence
Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL7 in AutoNetwork.ESGroup[4].afdxMarshall[1]



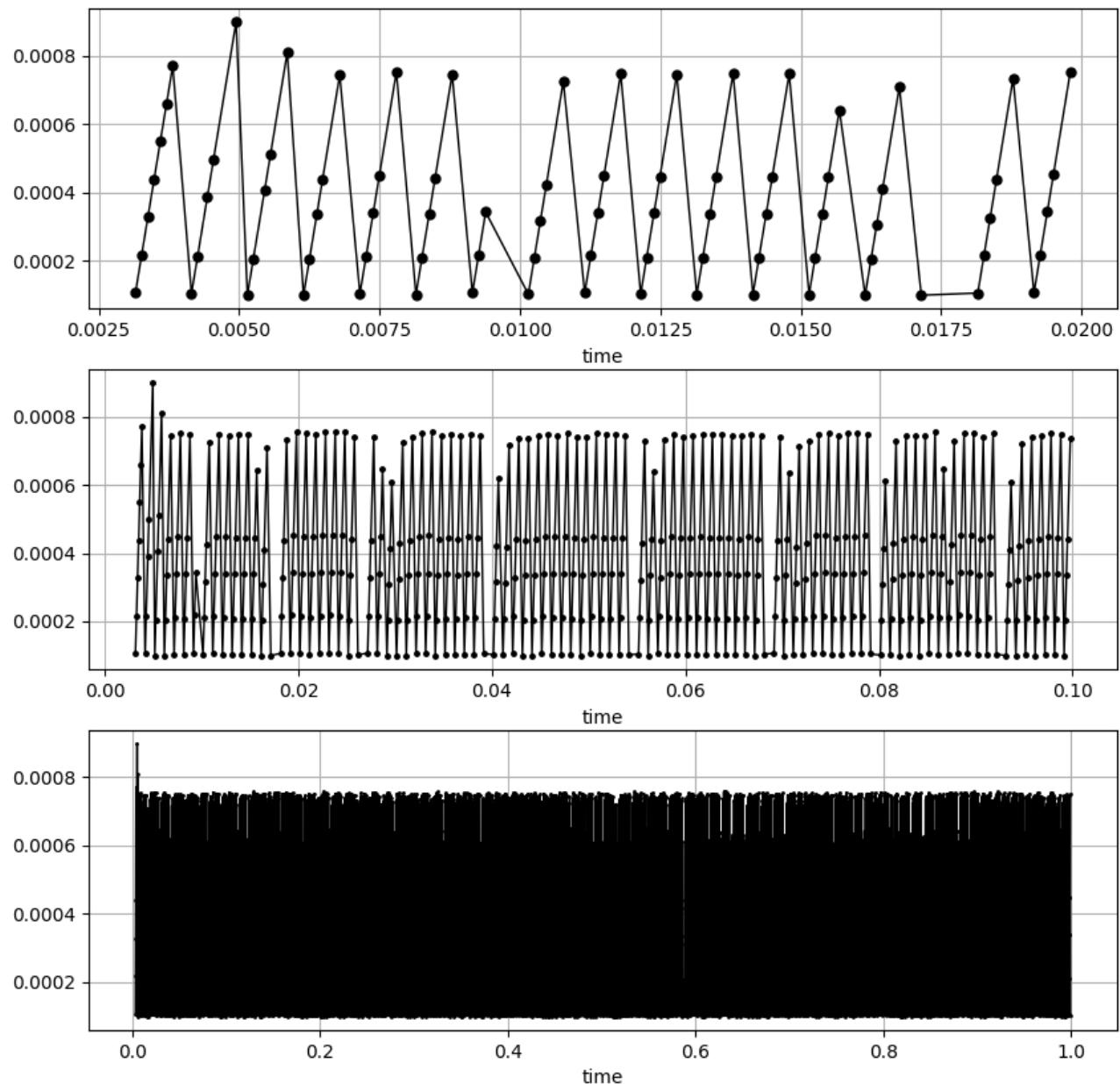
ESSchedulingLatency

Maximum	:	0.00089935
Minimum	:	9.909e-05
Mean	:	0.0003597179155930754

Simulation mean is in 1.7% band of true mean with 95% confidence

Simulation mean is in 2.3% band of true mean with 99% confidence

ESSchedulingLatency for VL7 in AutoNetwork.ESGroup[4].afdxMarshall[1]



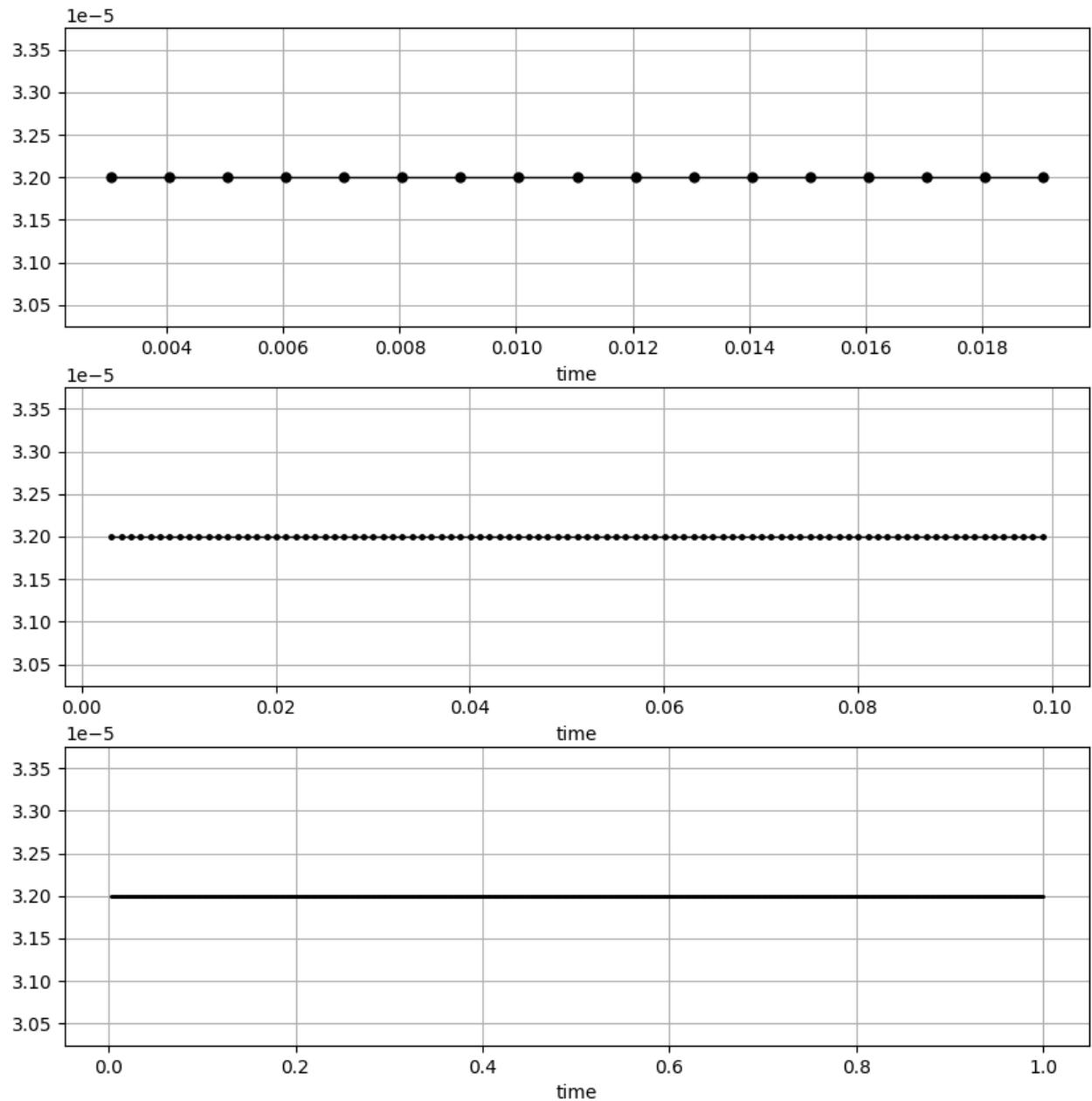
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency for VL7 in AutoNetwork.ESGroup[4].afdxMarshall[1]



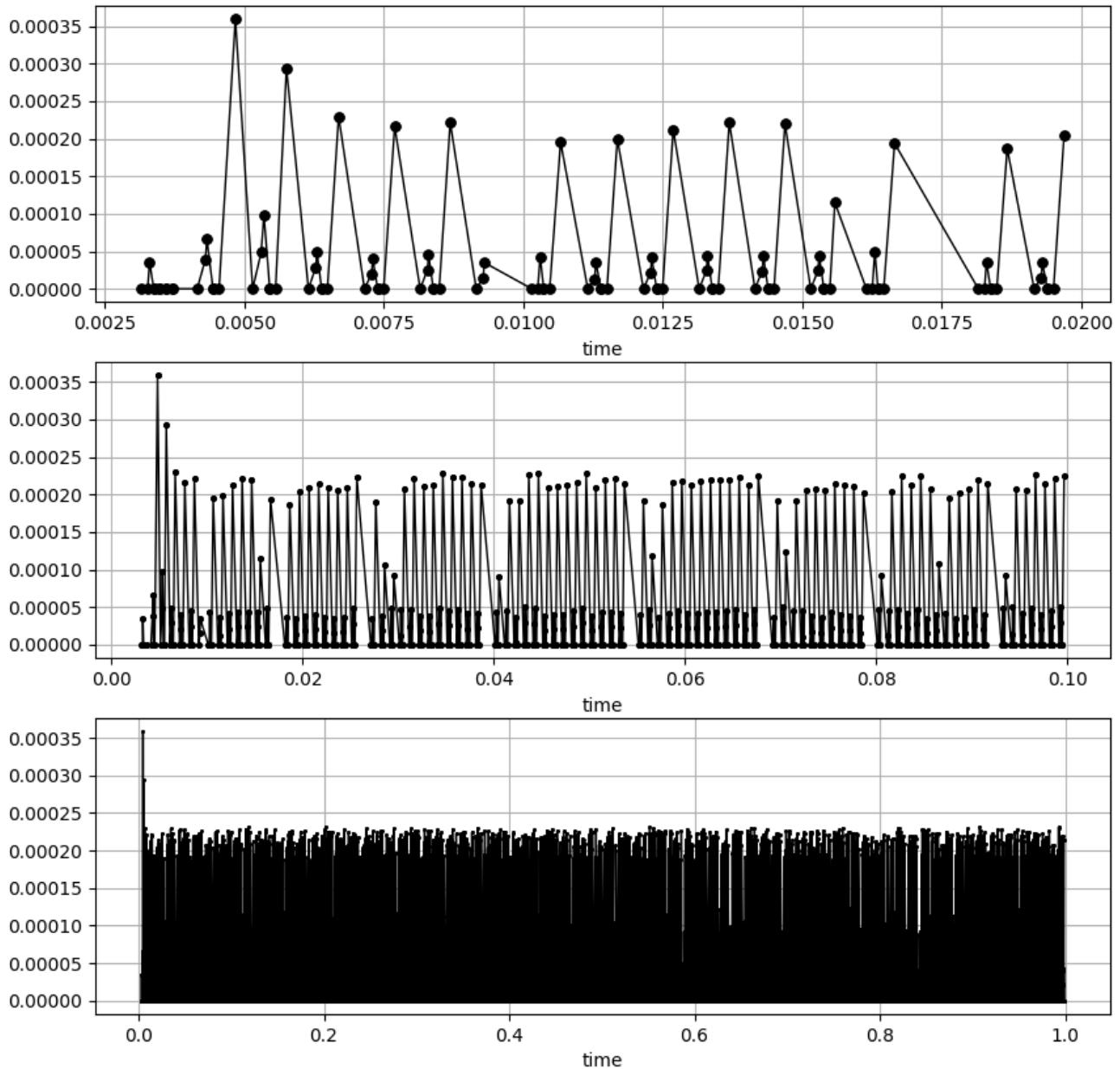
SWQueueingTime

Maximum	:	0.0003591
Minimum	:	0.0
Mean	:	3.7140695414467554e-05

Simulation mean is in 3.2% band of true mean with 95% confidence

Simulation mean is in 4.3% band of true mean with 99% confidence

SWQueueingTime for VL7 in AutoNetwork.ESGroup[4].afdxMarshall[1]



3.8. VL16 Statistics

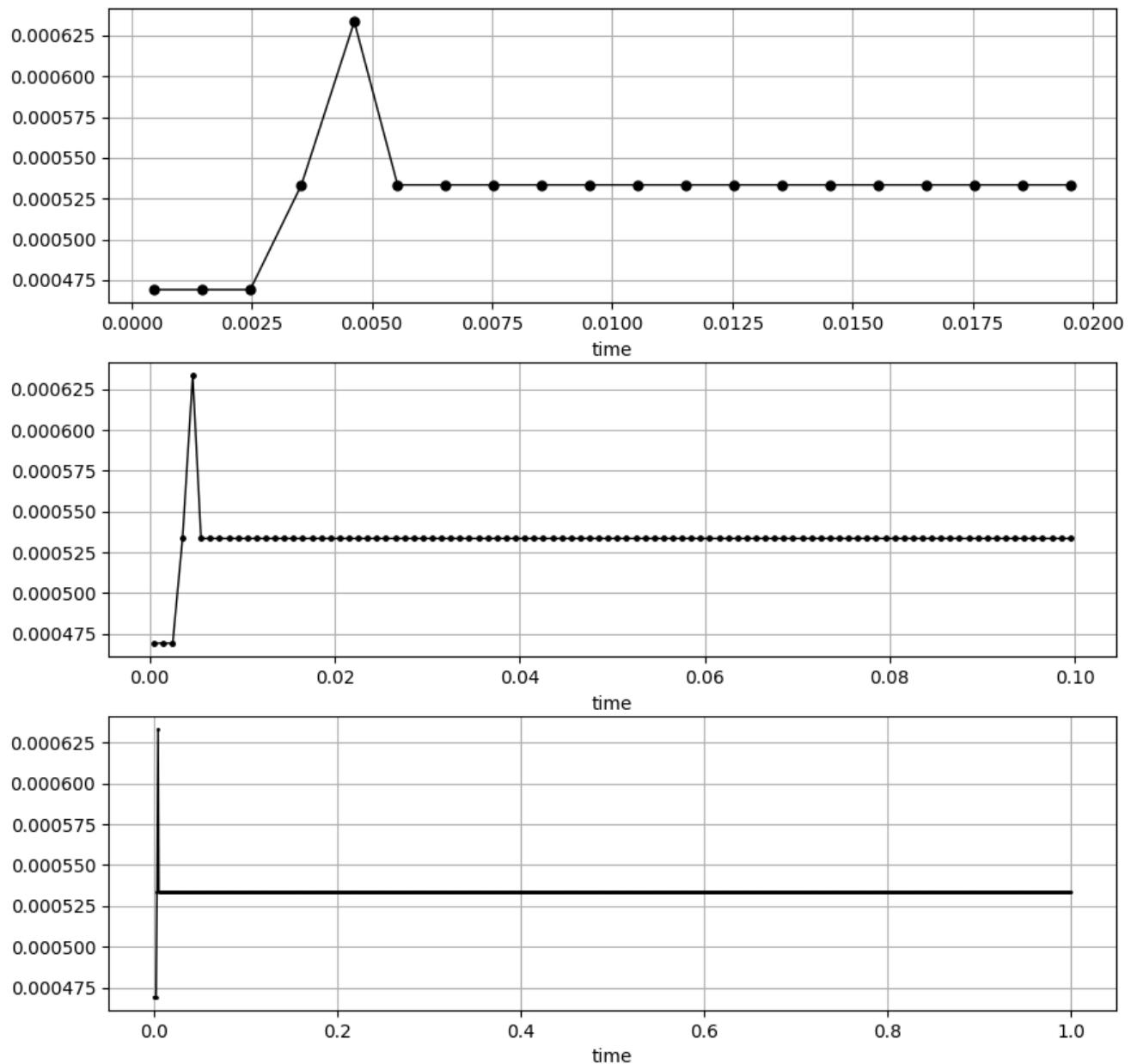
E2ELatency

Maximum	:	0.000633493082
Minimum	:	0.00046927
Mean	:	0.000533400412754

Simulation mean is in 0.1% band of true mean with 95% confidence

Simulation mean is in 0.1% band of true mean with 99% confidence

E2ELatency for VL16 in AutoNetwork.ESGroup[0].afdxMarshall[1]



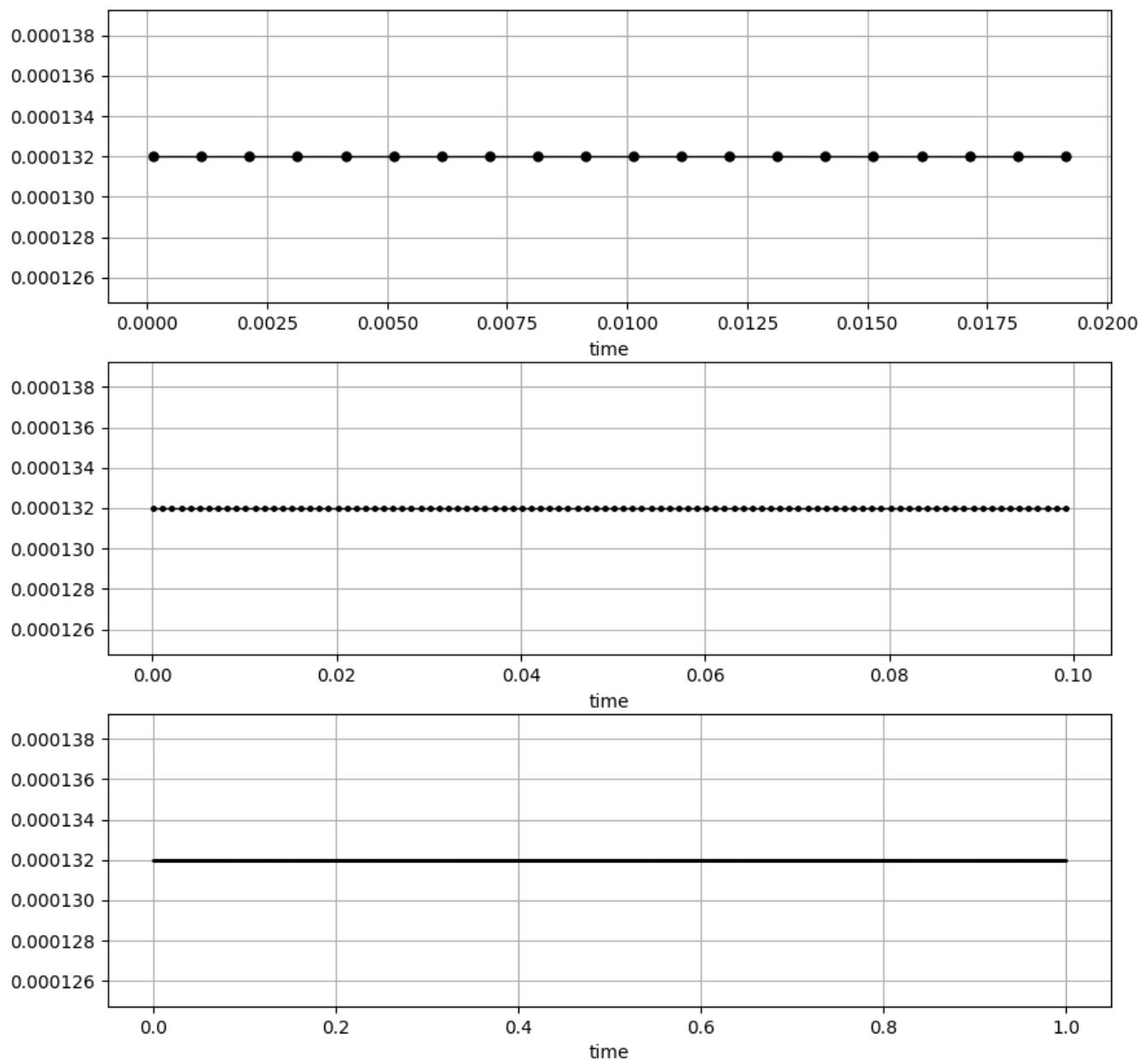
ESTotalLatency

Maximum	:	0.000132
Minimum	:	0.000132
Mean	:	0.000132

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL16 in AutoNetwork.ESGroup[0].afdxMarshall[1]



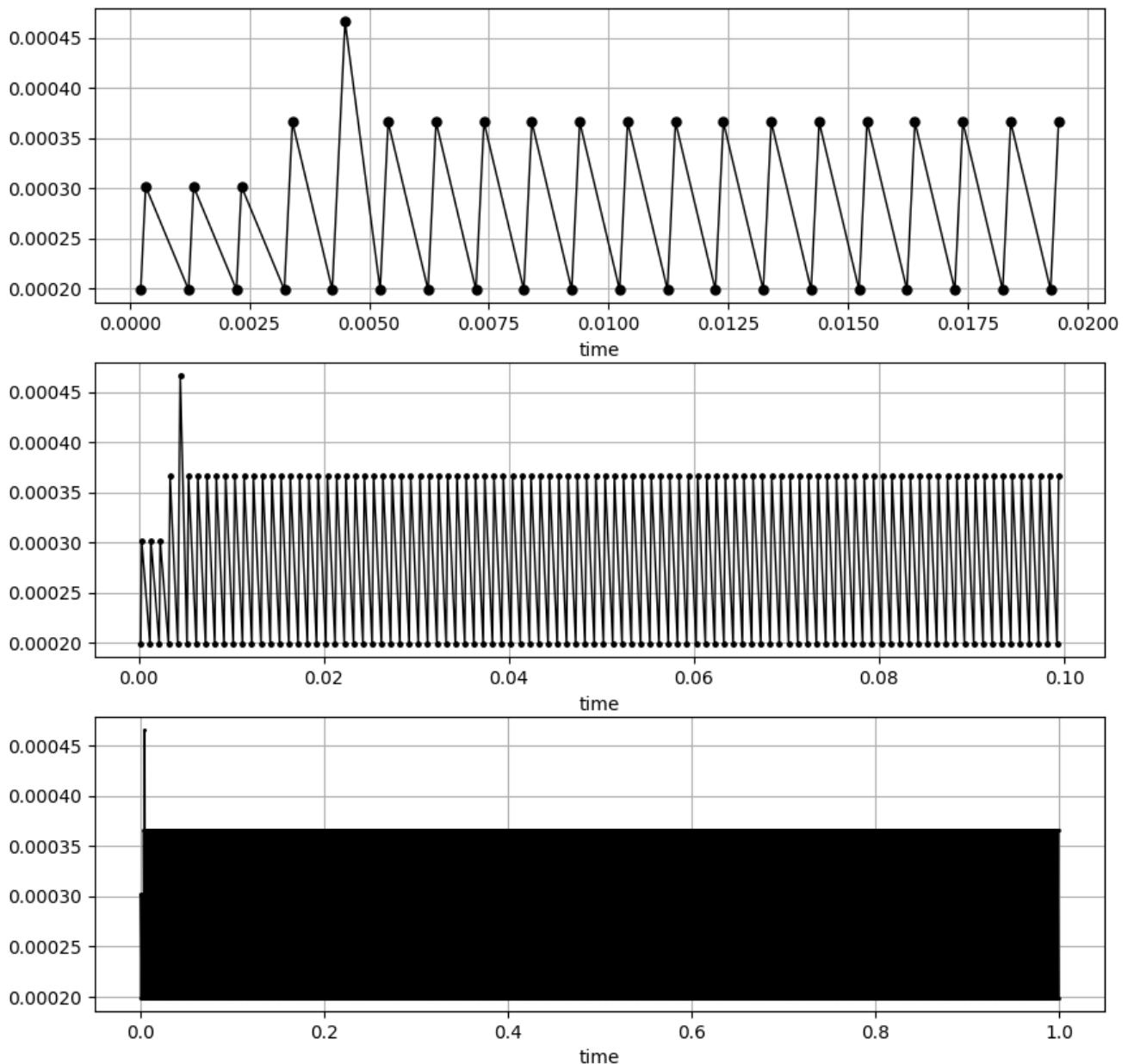
ESSchedulingLatency

Maximum	:	0.000466403082
Minimum	:	0.00019909
Mean	:	0.000282700206377

Simulation mean is in 1.3% band of true mean with 95% confidence

Simulation mean is in 1.7% band of true mean with 99% confidence

ESSchedulingLatency for VL16 in AutoNetwork.ESGroup[0].afdxMarshall[1]



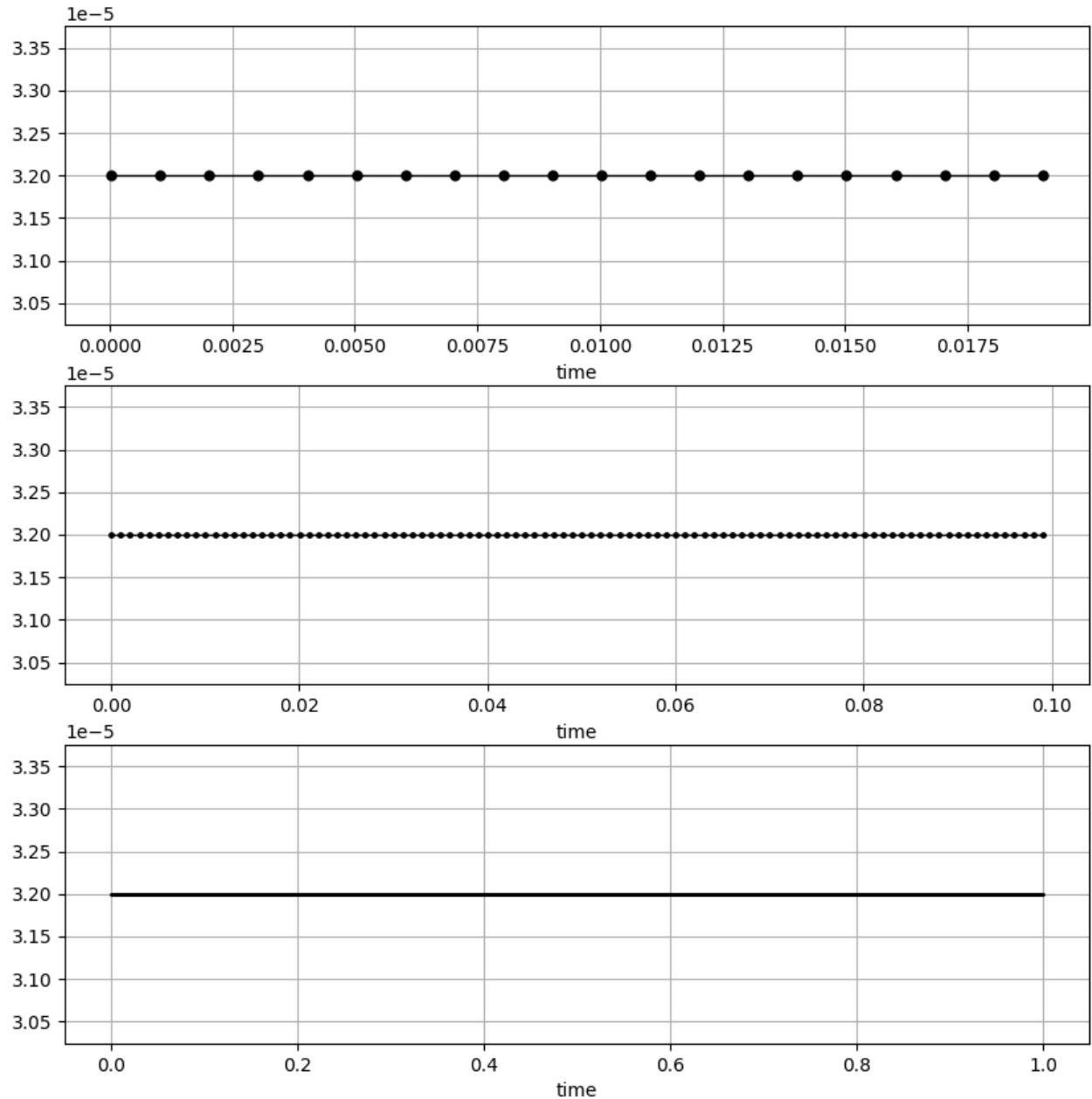
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency for VL16 in AutoNetwork.ESGroup[0].afdxMarshall[1]



SWQueueingTime

Maximum : **0.000164223082**

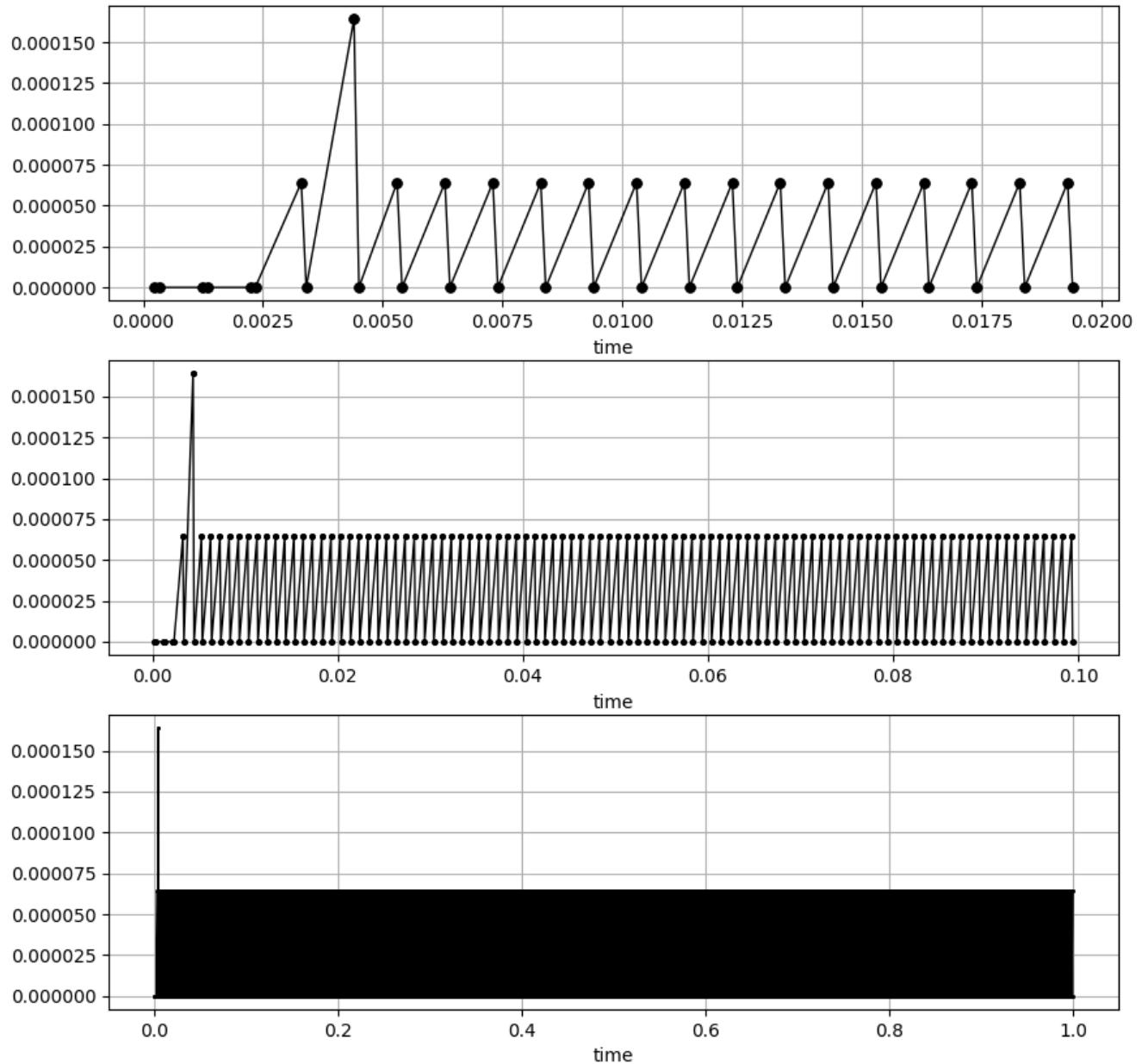
Minimum : **0.0**

Mean : **3.206520637699995e-05**

Simulation mean is in 3.1% band of true mean with 95% confidence

Simulation mean is in 4.1% band of true mean with 99% confidence

SWQueueingTime for VL16 in AutoNetwork.ESGroup[0].afdxMarshall[1]



3.9. VL17 Statistics

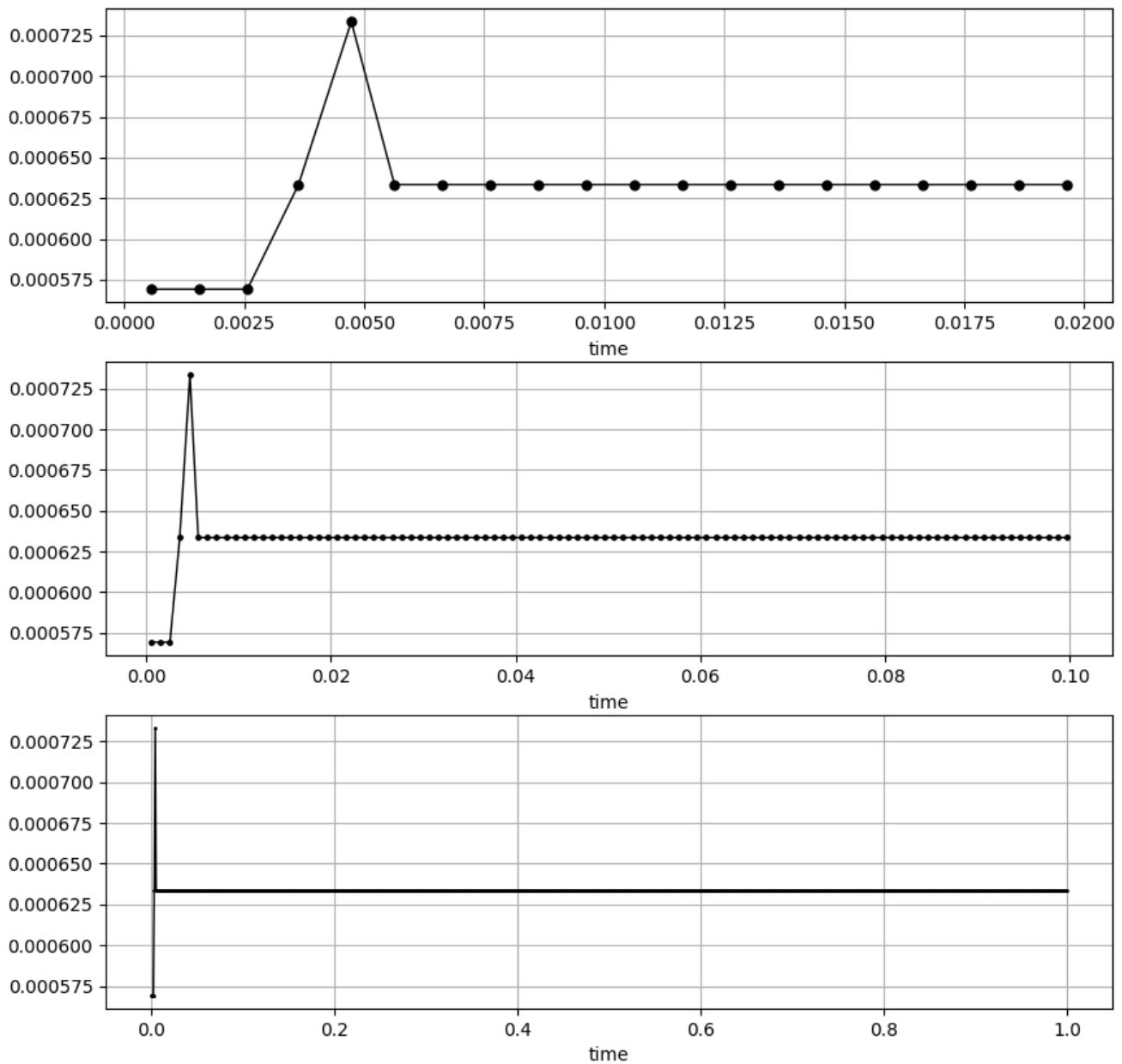
E2ELatency

Maximum	:	0.000733493082
Minimum	:	0.00056927
Mean	:	0.000633400412754

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.1% band of true mean with 99% confidence

E2ELatency for VL17 in AutoNetwork.ESGroup[0].afdxMarshall[2]



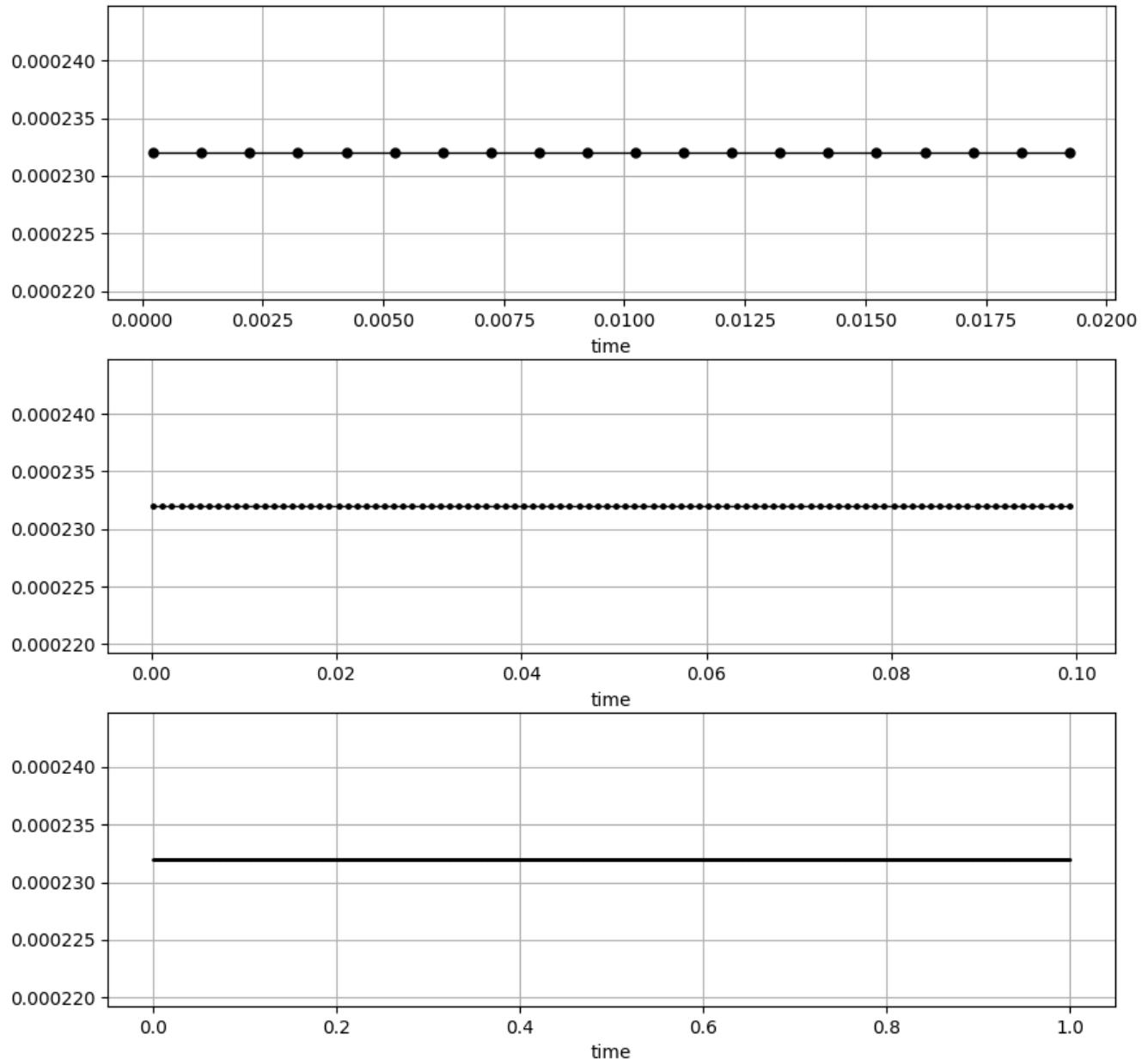
ESTotalLatency

Maximum	:	0.000232
Minimum	:	0.000232
Mean	:	0.000232

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESTotalLatency for VL17 in AutoNetwork.ESGroup[0].afdxMarshall[2]



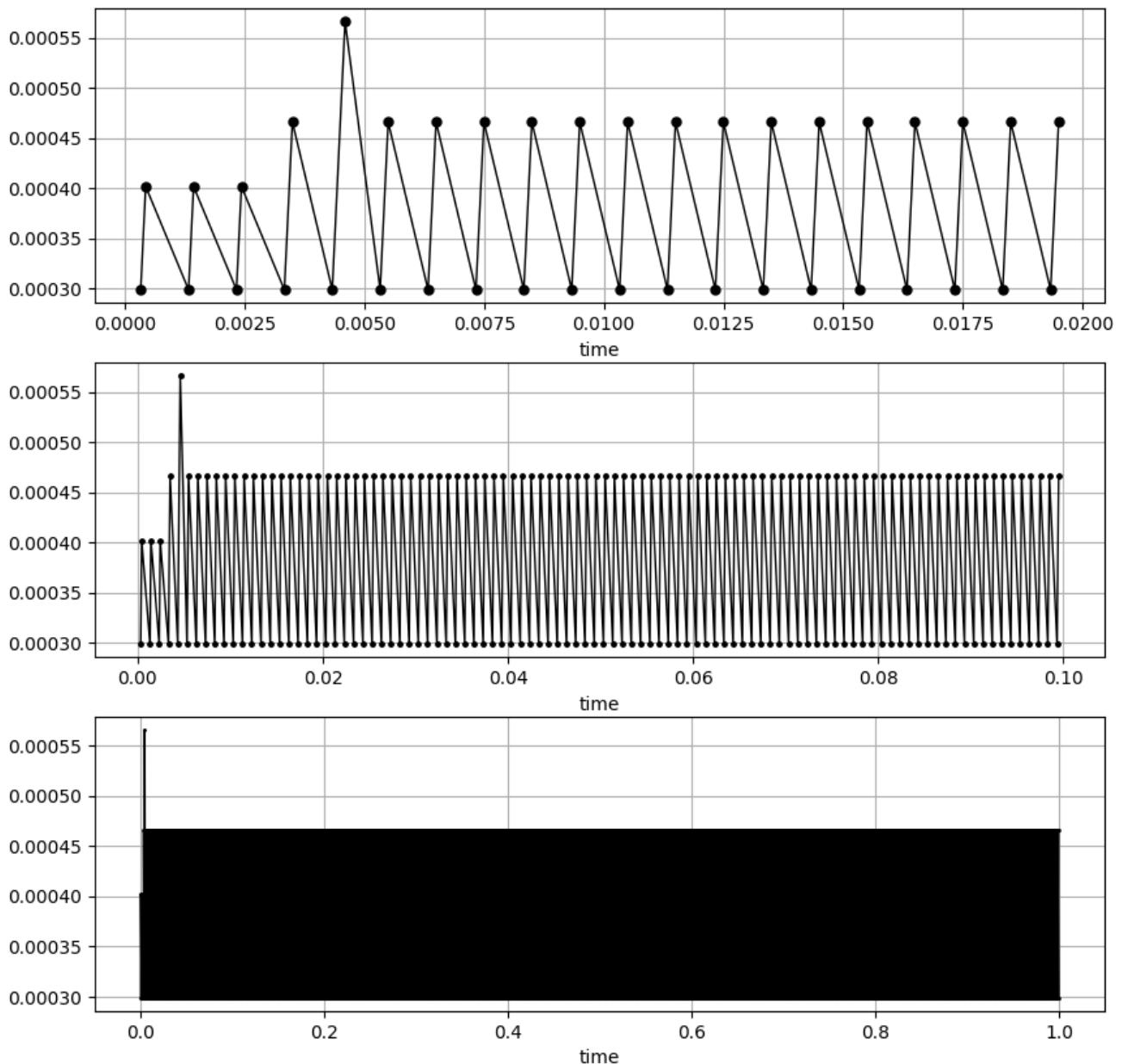
ESSchedulingLatency

Maximum	:	0.000566403082
Minimum	:	0.00029909
Mean	:	0.000382700206377

Simulation mean is in 1.0% band of true mean with 95% confidence

Simulation mean is in 1.3% band of true mean with 99% confidence

ESSchedulingLatency for VL17 in AutoNetwork.ESGroup[0].afdxMarshall[2]



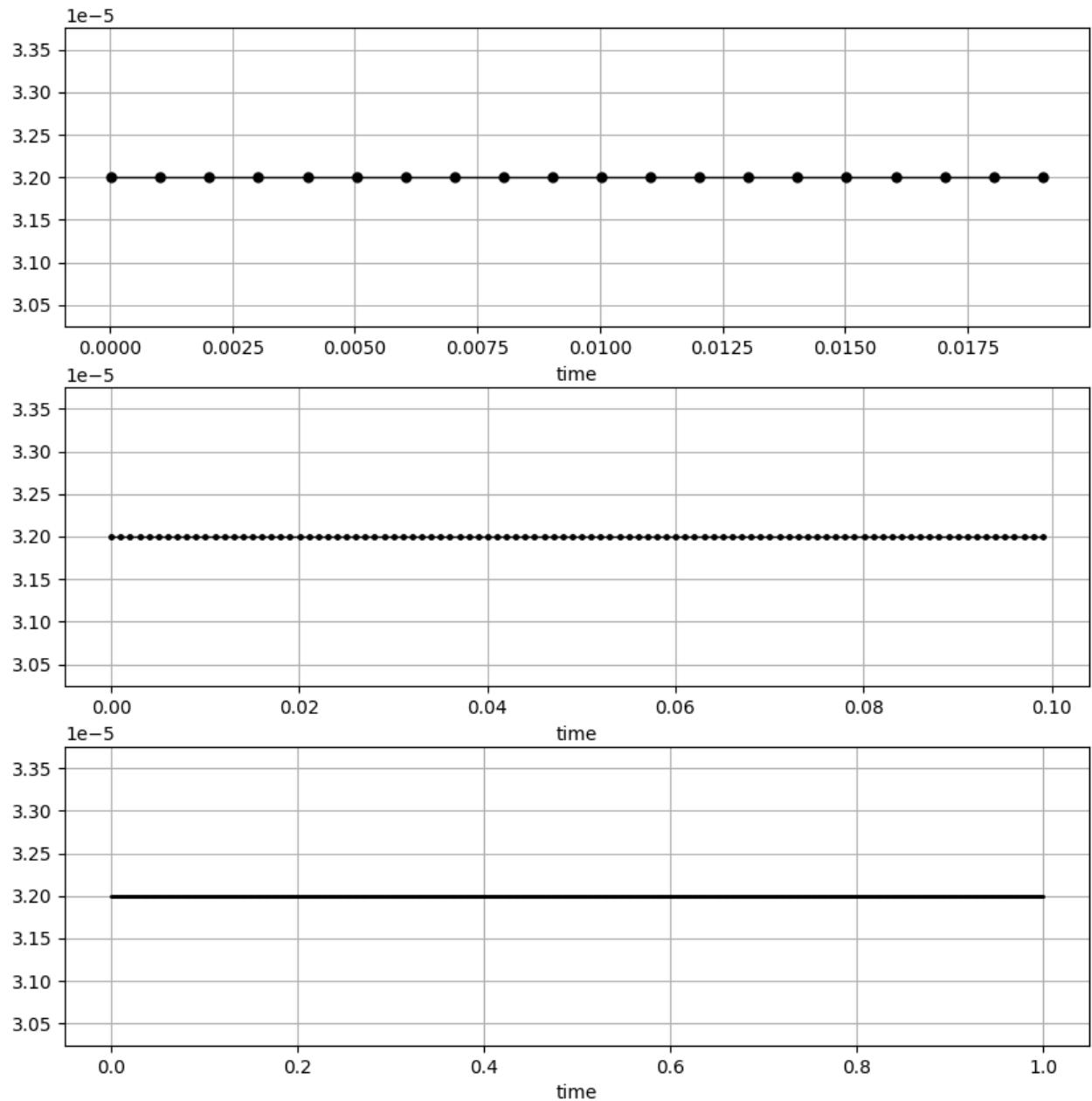
ESBagLatency

Maximum	:	3.2e-05
Minimum	:	3.2e-05
Mean	:	3.2e-05

Simulation mean is in 0.0% band of true mean with 95% confidence

Simulation mean is in 0.0% band of true mean with 99% confidence

ESBagLatency for VL17 in AutoNetwork.ESGroup[0].afdxMarshall[2]



SWQueueingTime

Maximum : **0.000164223082**

Minimum : **0.0**

Mean : **3.206520637699995e-05**

Simulation mean is in 3.1% band of true mean with 95% confidence

Simulation mean is in 4.1% band of true mean with 99% confidence

SWQueueingTime for VL17 in AutoNetwork.ESGroup[0].afdxMarshall[2]

