

TcpLedBat

Congestion Window: Starts with a slow start, then after encountering congestion, goes to Congestion Avoidance state and the congestion window is stabilized in order to reduce delay down to a target value at max.

Round Trip Time: Stabilized with the congestion window.

Retransmission Timeout: Reduces quickly and stabilizes.

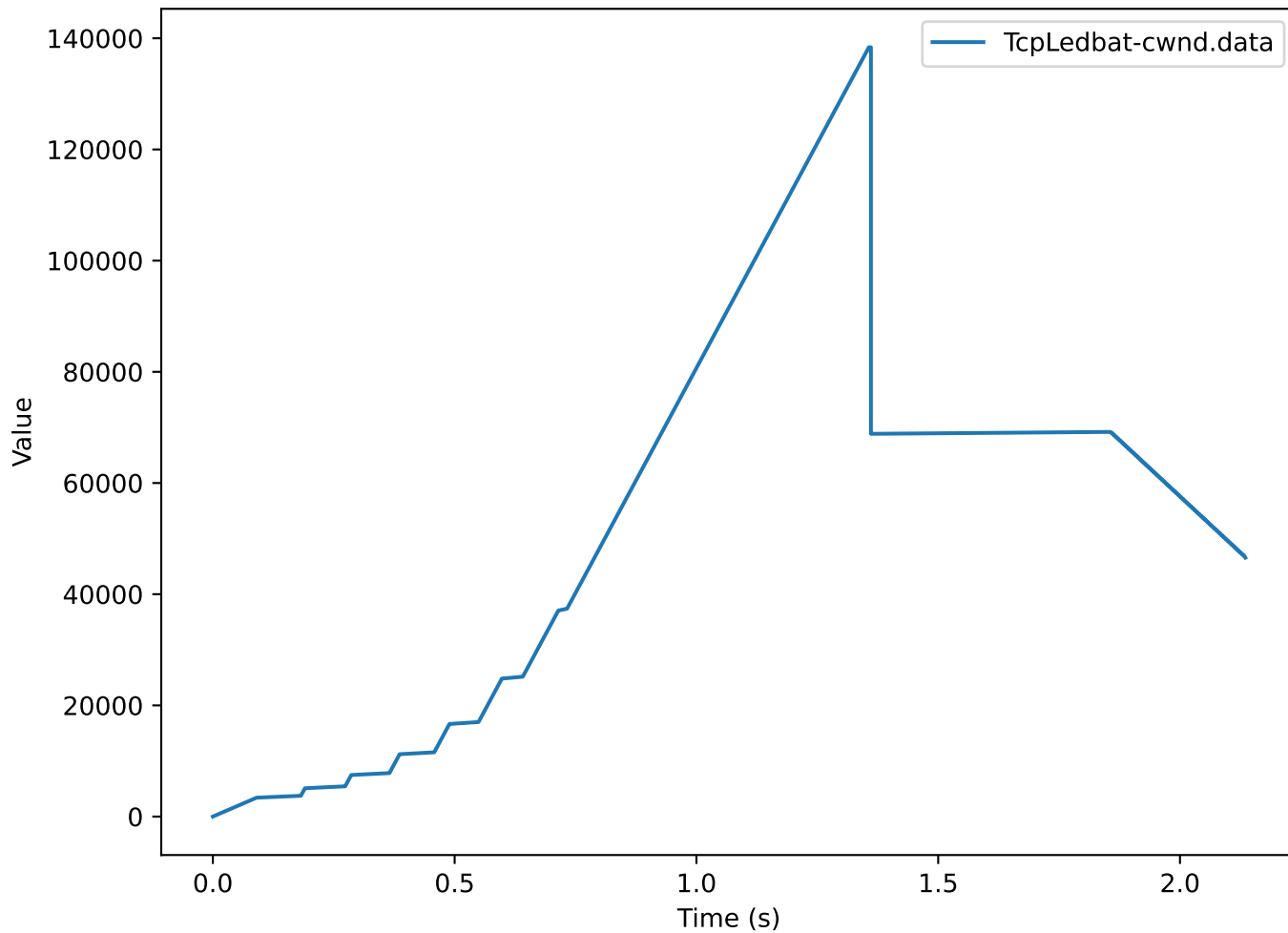
Inflight: Stabilized with the congestion window.

Next Transmission Sequence Number: Linear, with a little bump in the beginning.

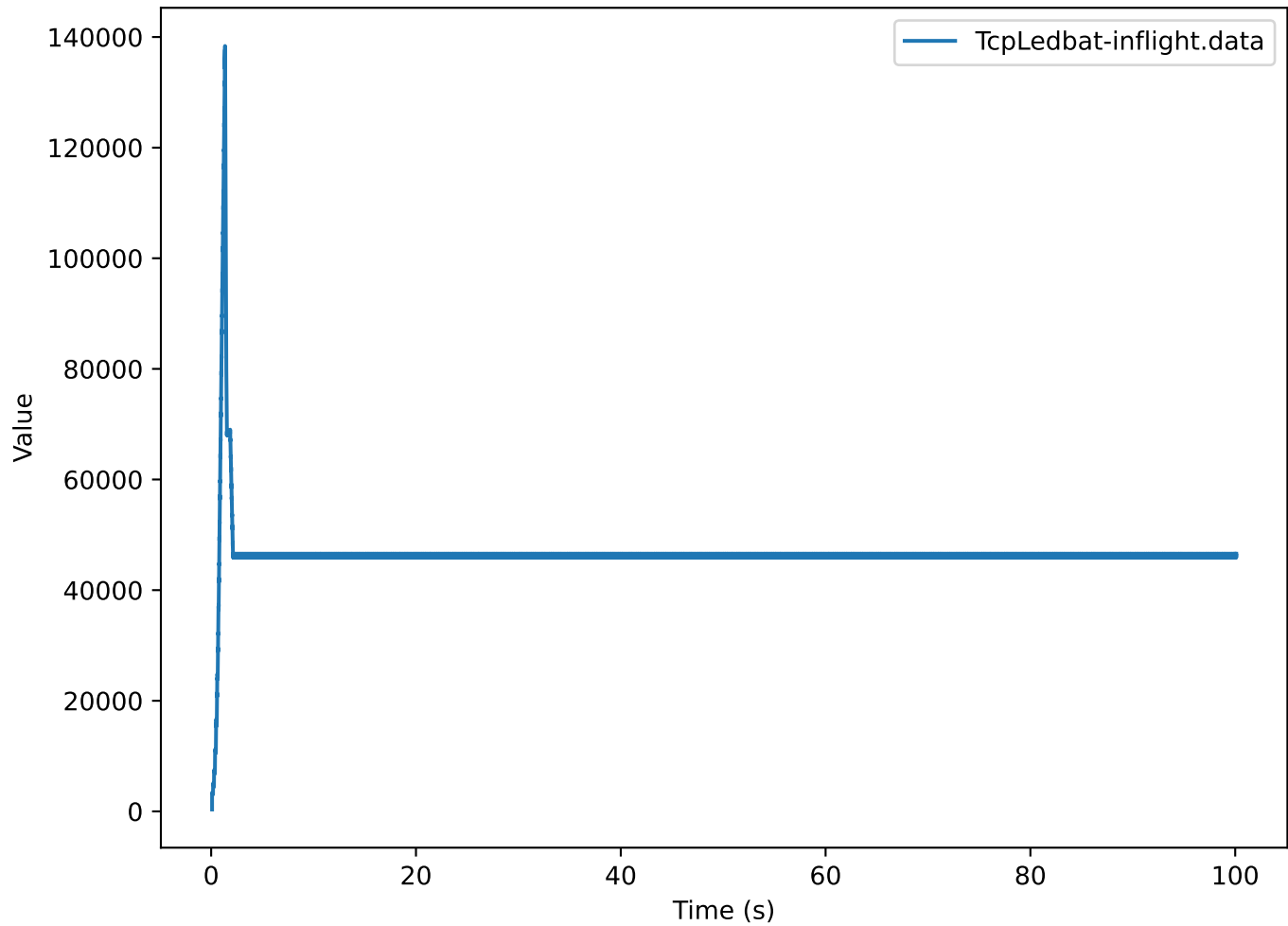
Next Reception Sequence Number: Same as transmission.

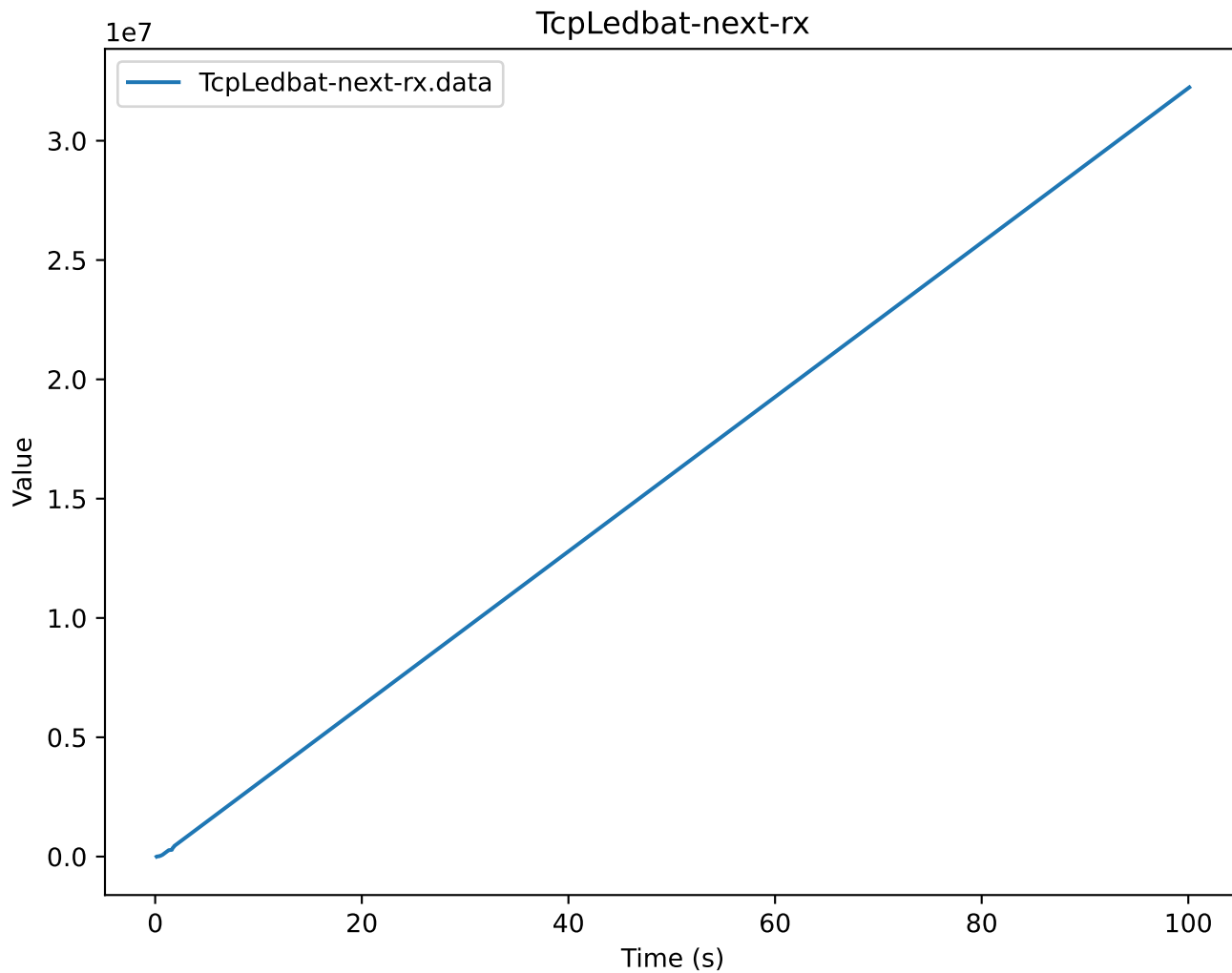
Slow Start Threshold: Fixed after Stabilized Congestion Window.

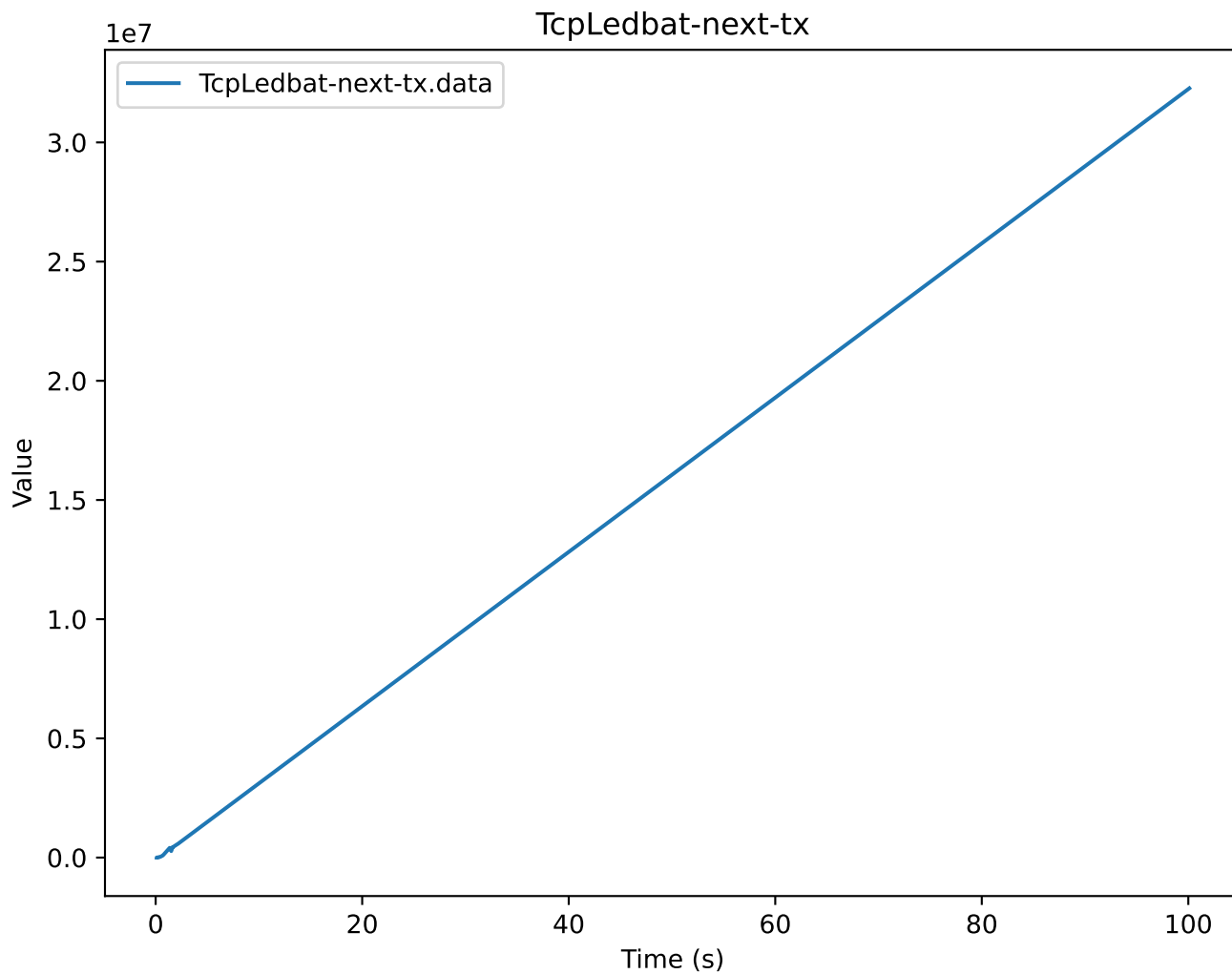
TcpLedbat-cwnd



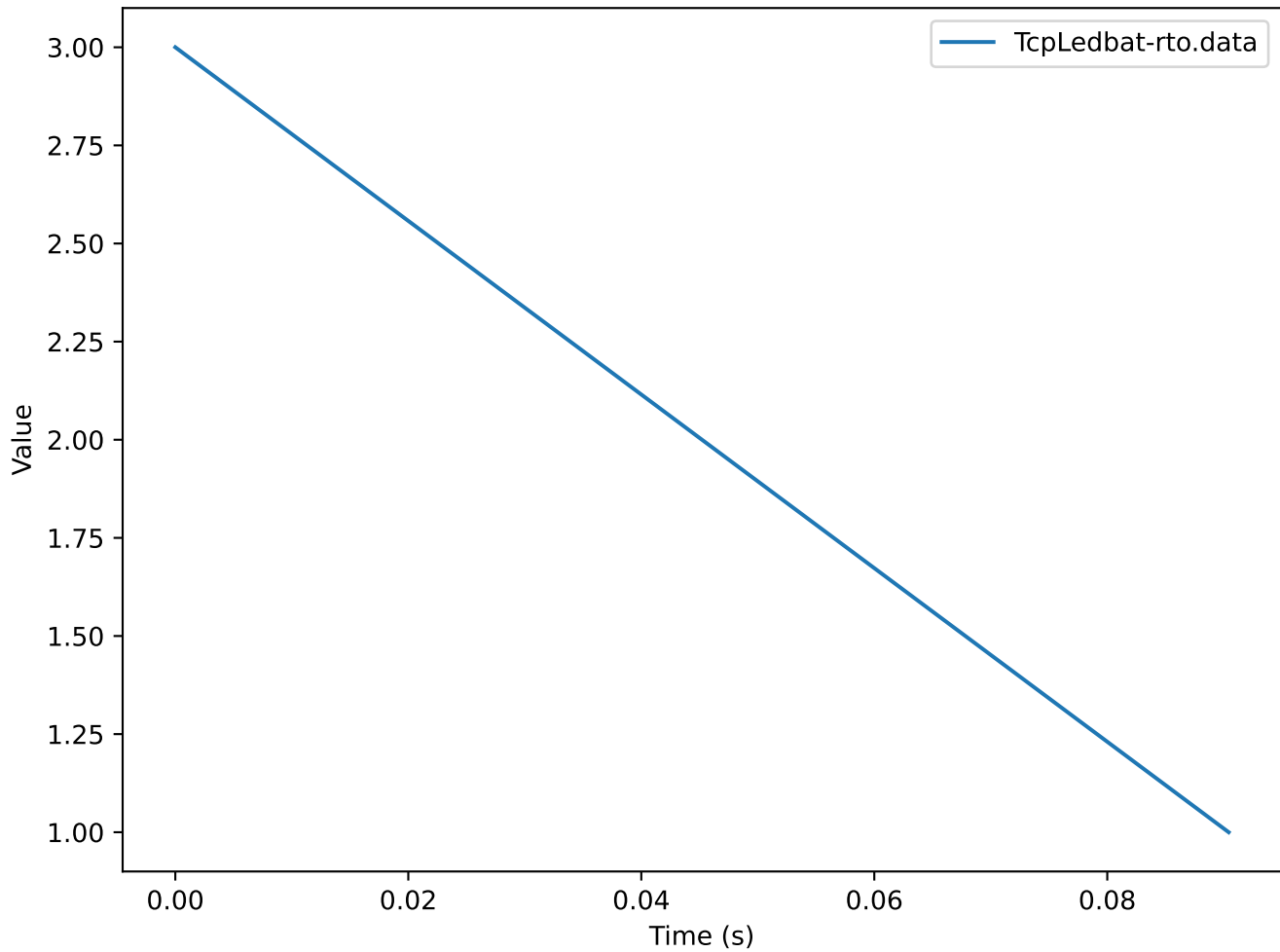
TcpLedbat-inflight



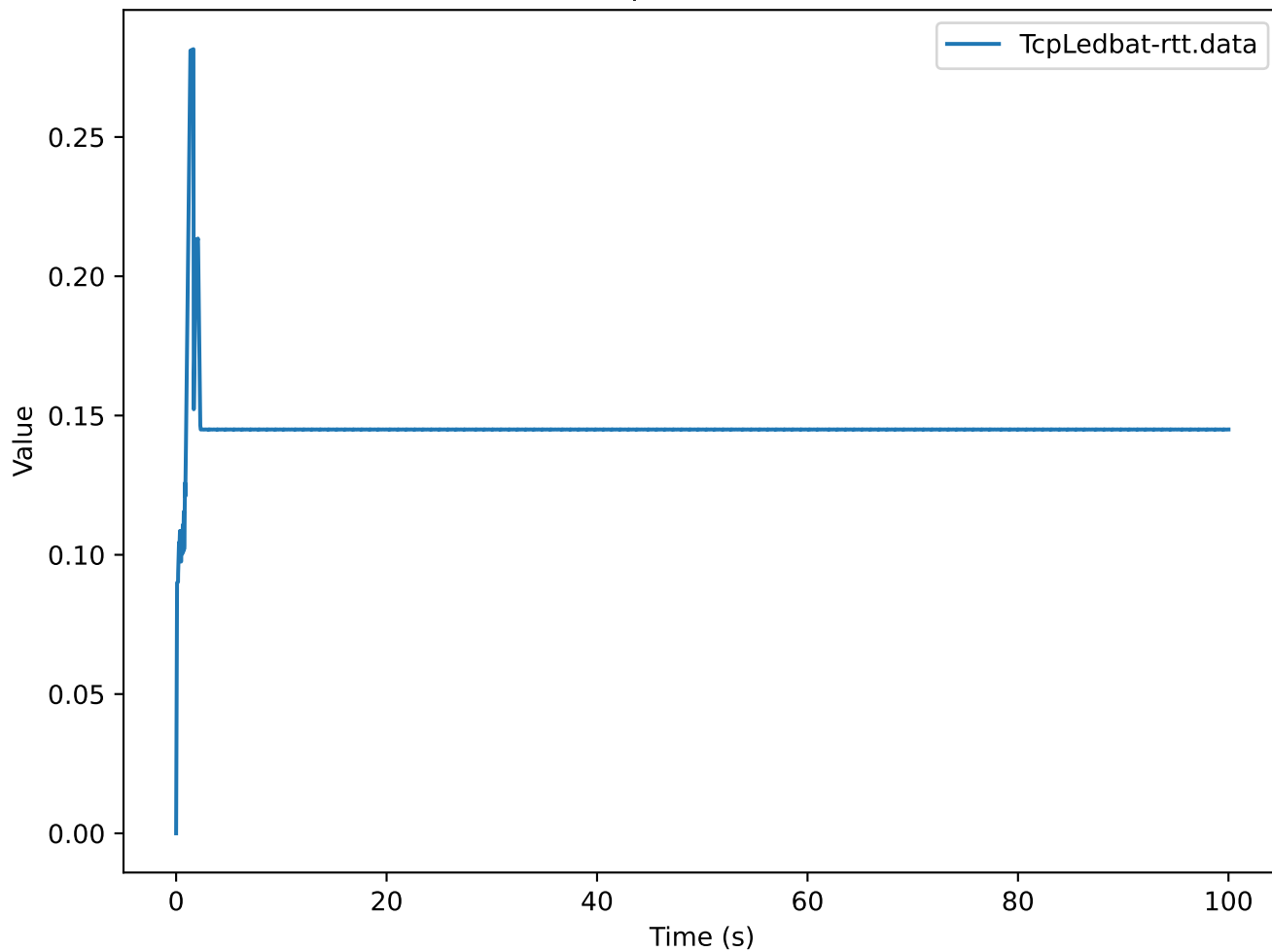


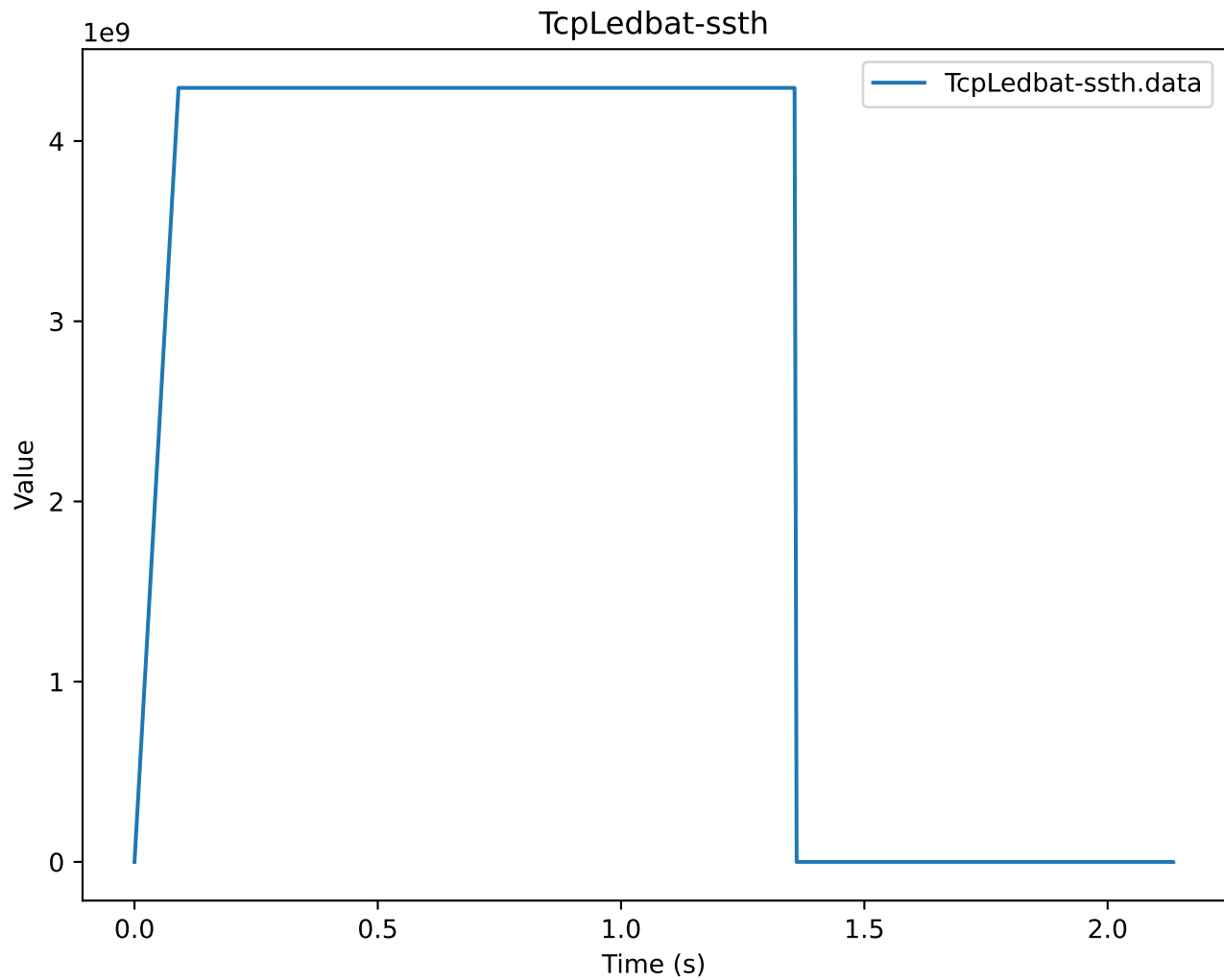


TcpLedbat-rto



TcpLedbat-rtt





TcpHighSpeed

Congestion Window: Oscillates between when congested and to a threshold.

Round Trip Time: Oscillates with congestion window.

Retransmission Timeout: Oscillates with congestion window.

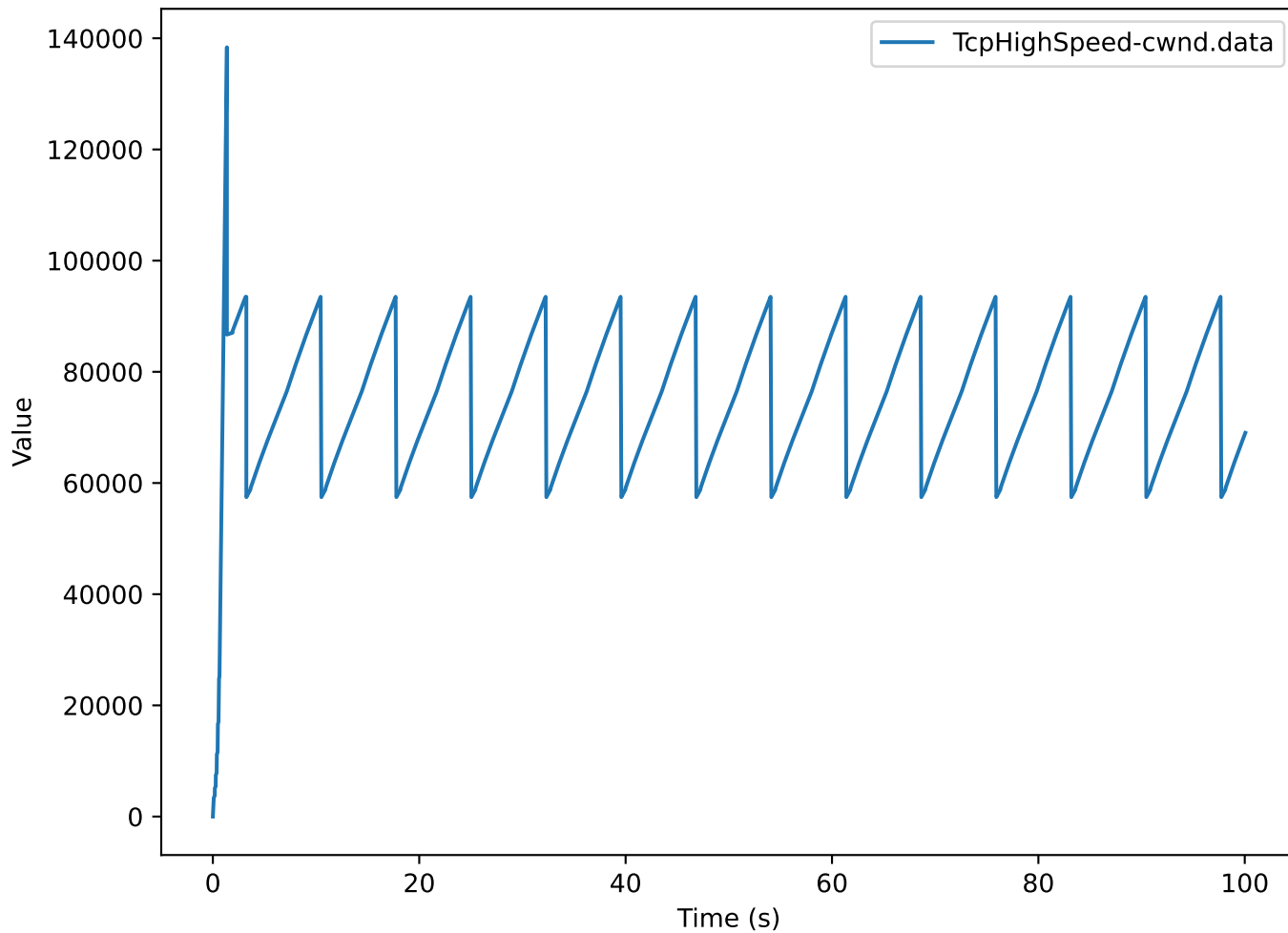
Inflight: Oscillates with congestion window

Next Transmission Sequence Number: Linear, with a little bump when congested.

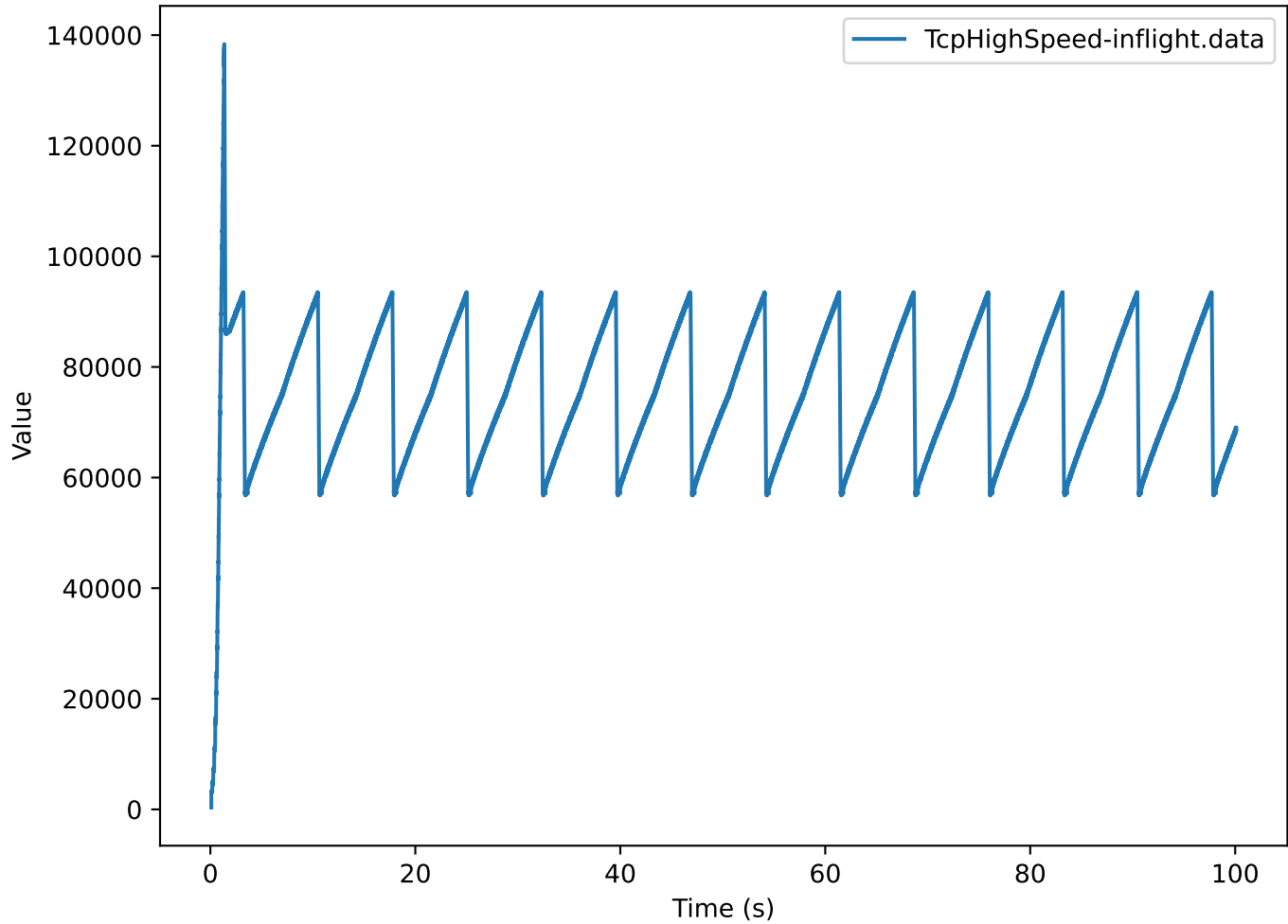
Next Reception Sequence Number: Same as transmission.

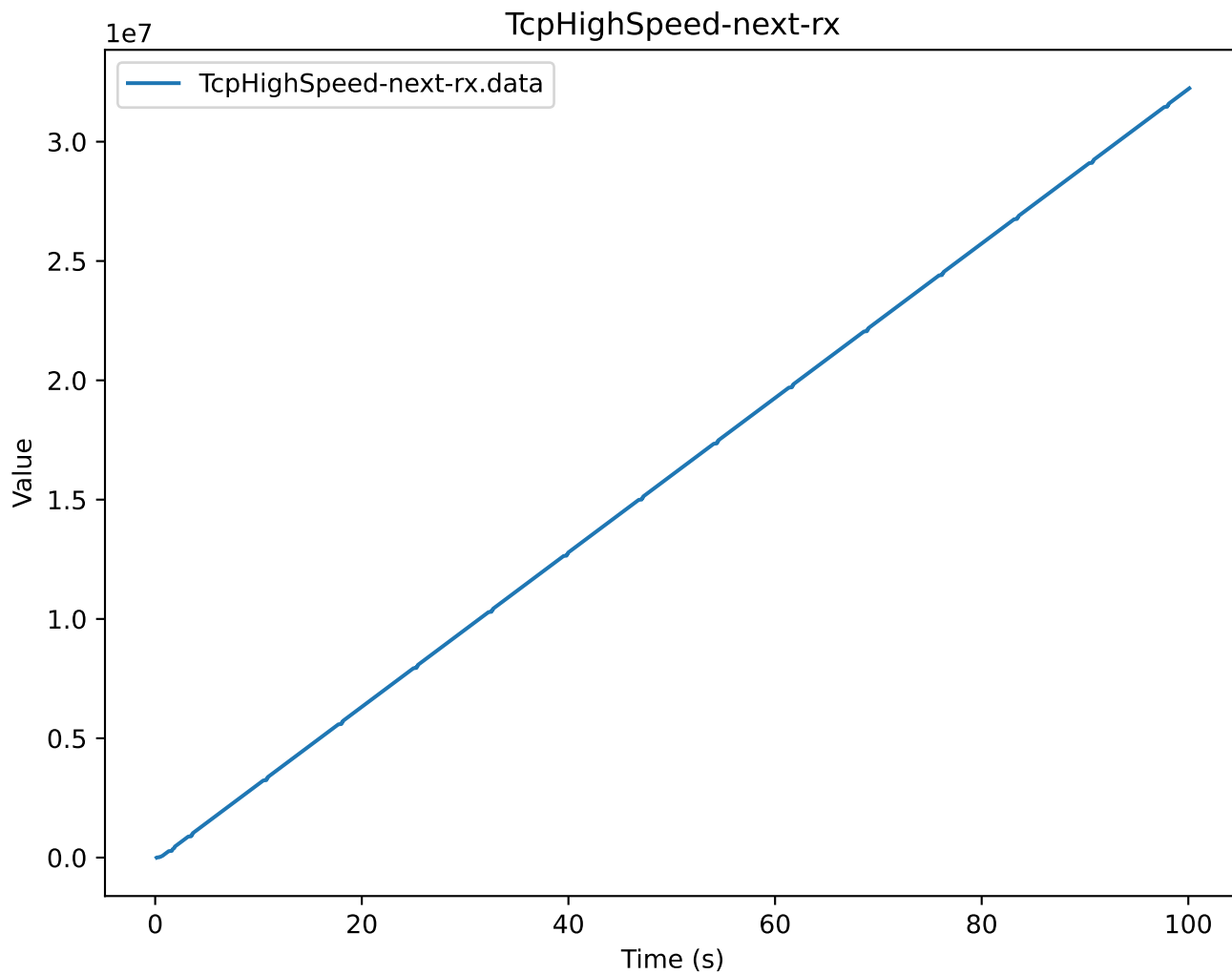
Slow Start Threshold: Fixed after Stabilized Congestion Window.

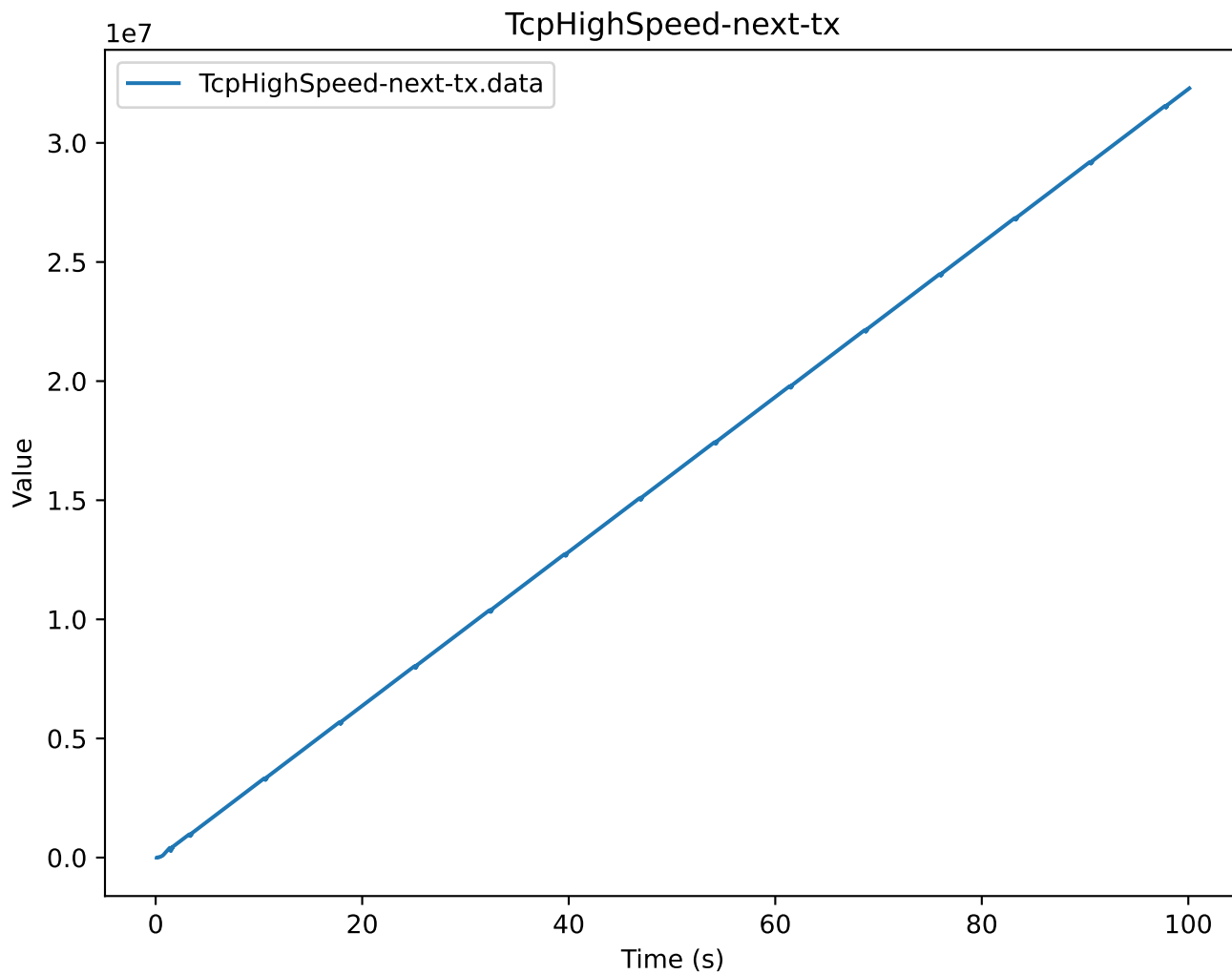
TcpHighSpeed-cwnd



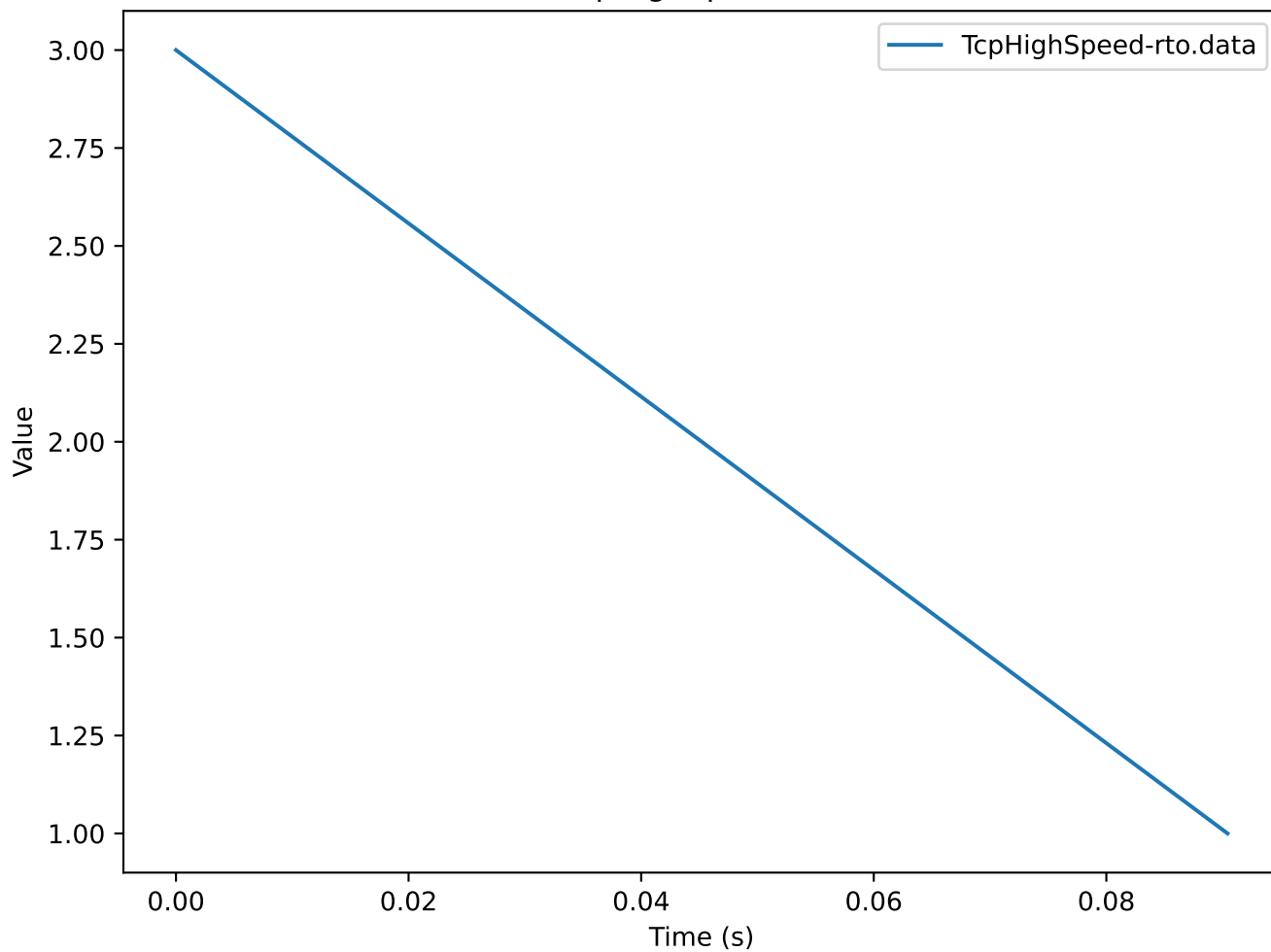
TcpHighSpeed-inflight



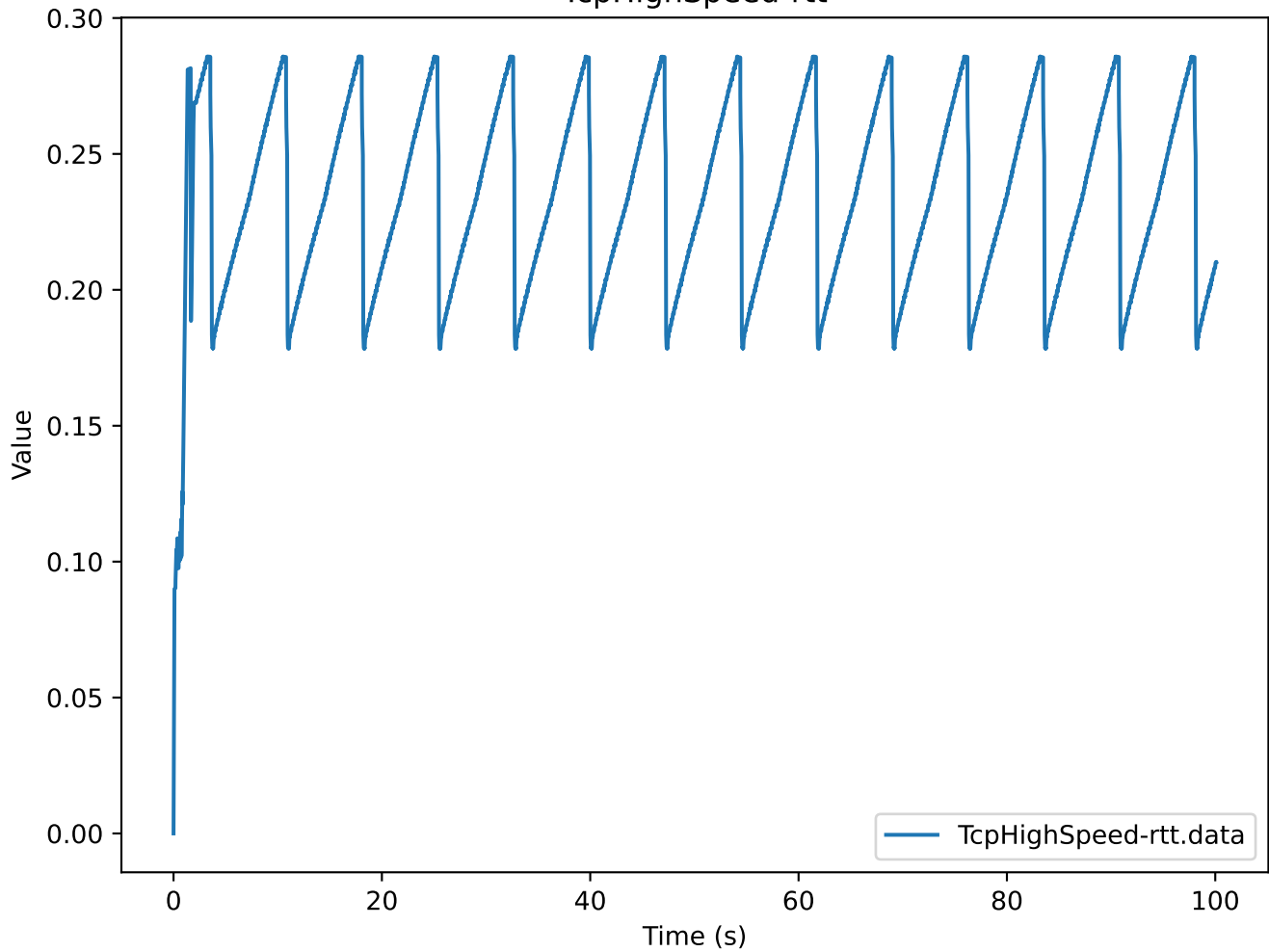


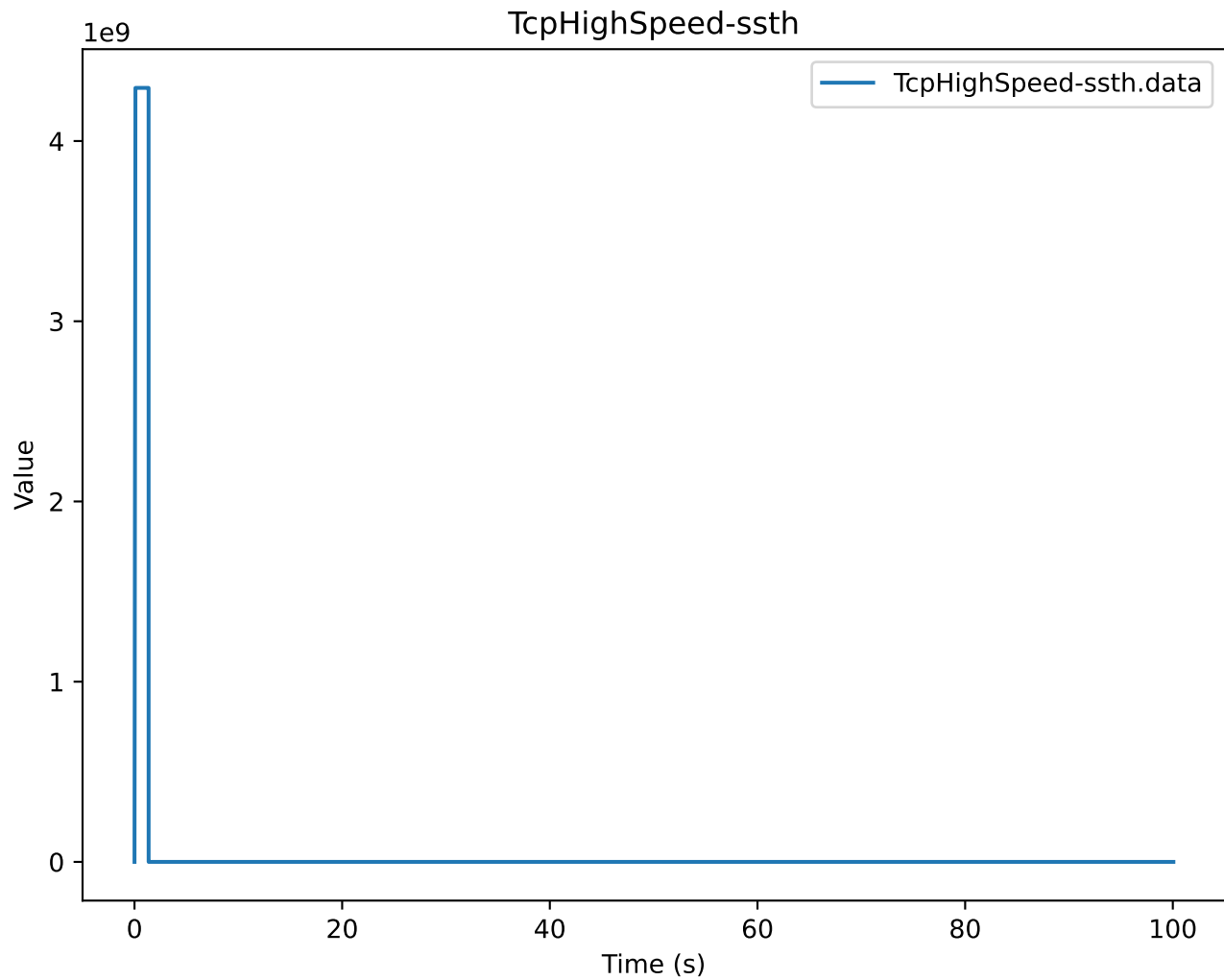


TcpHighSpeed-rto



TcpHighSpeed-rtt

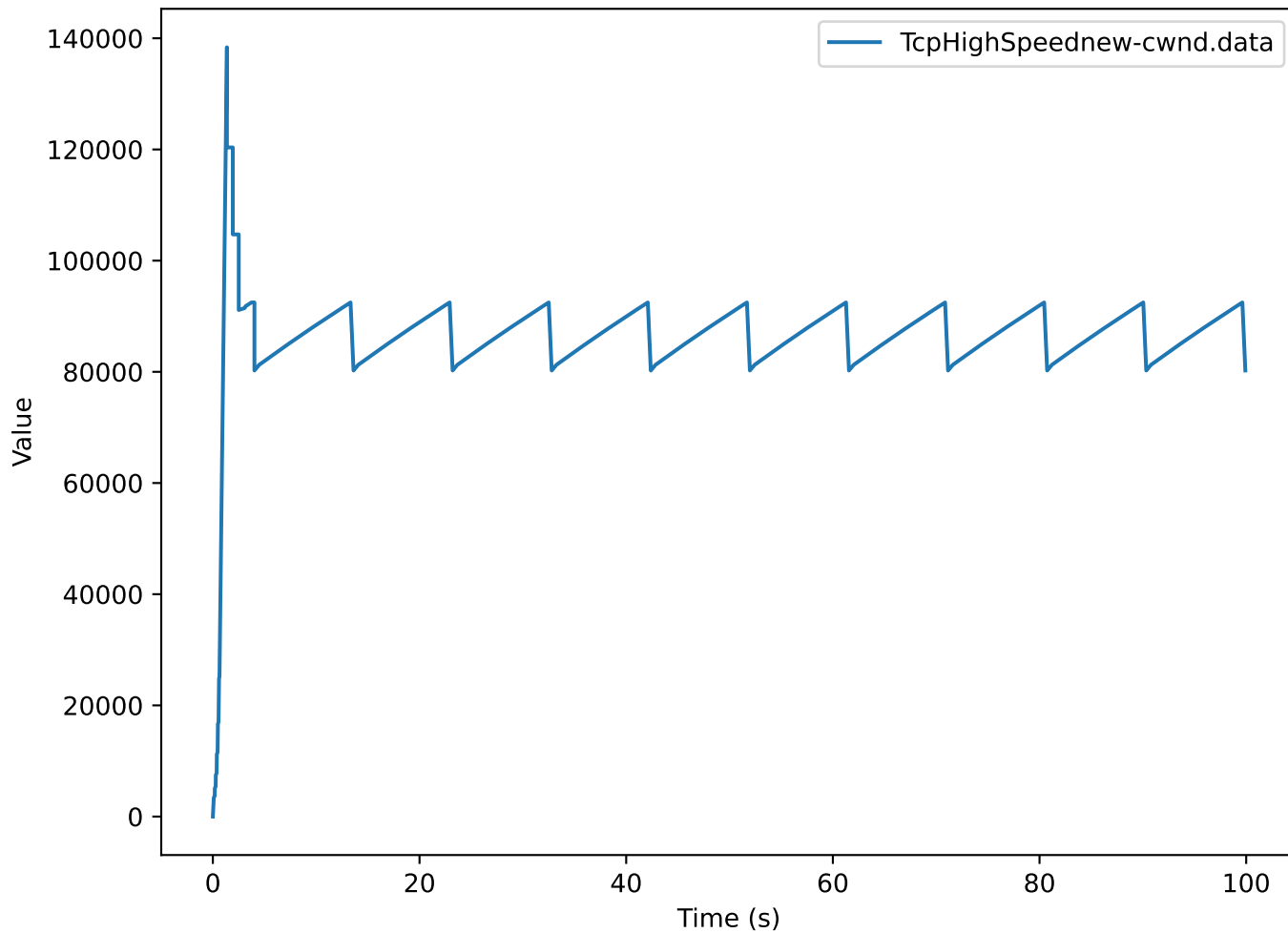




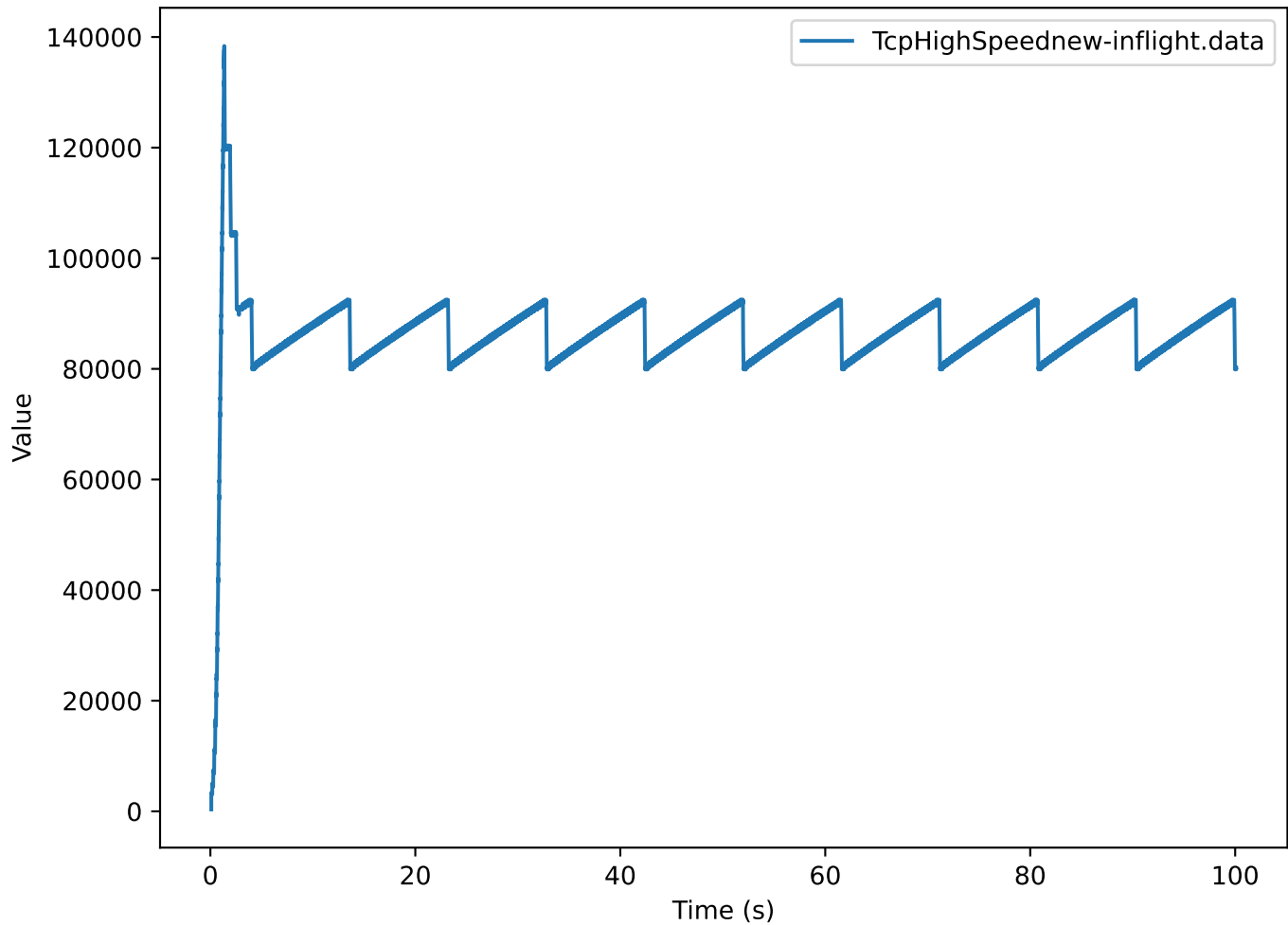
TcpHighSpeed (new)

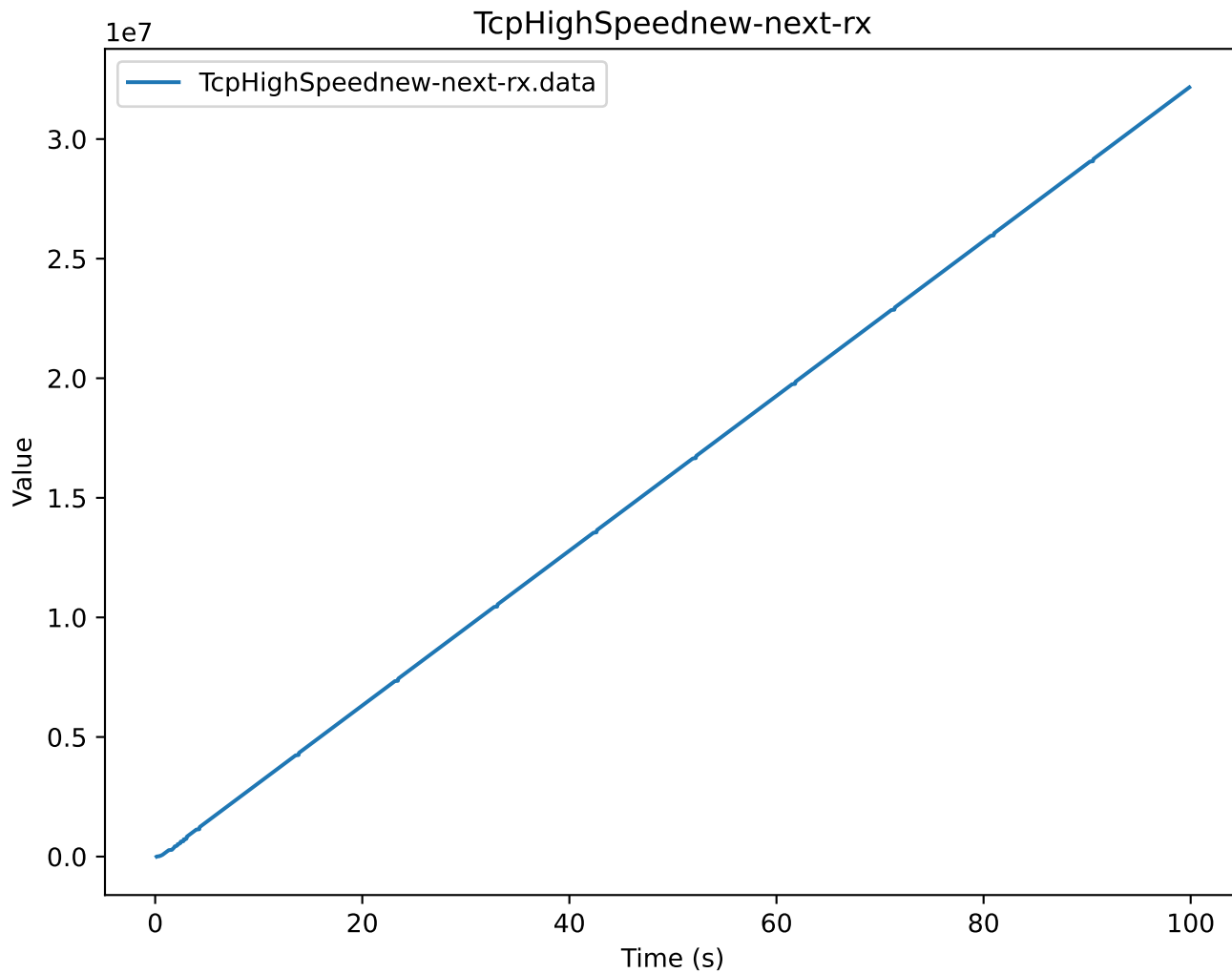
Same as TcpHighSpeed, the with less steep graph ensuring lower frequency of drop with higher congestion window.

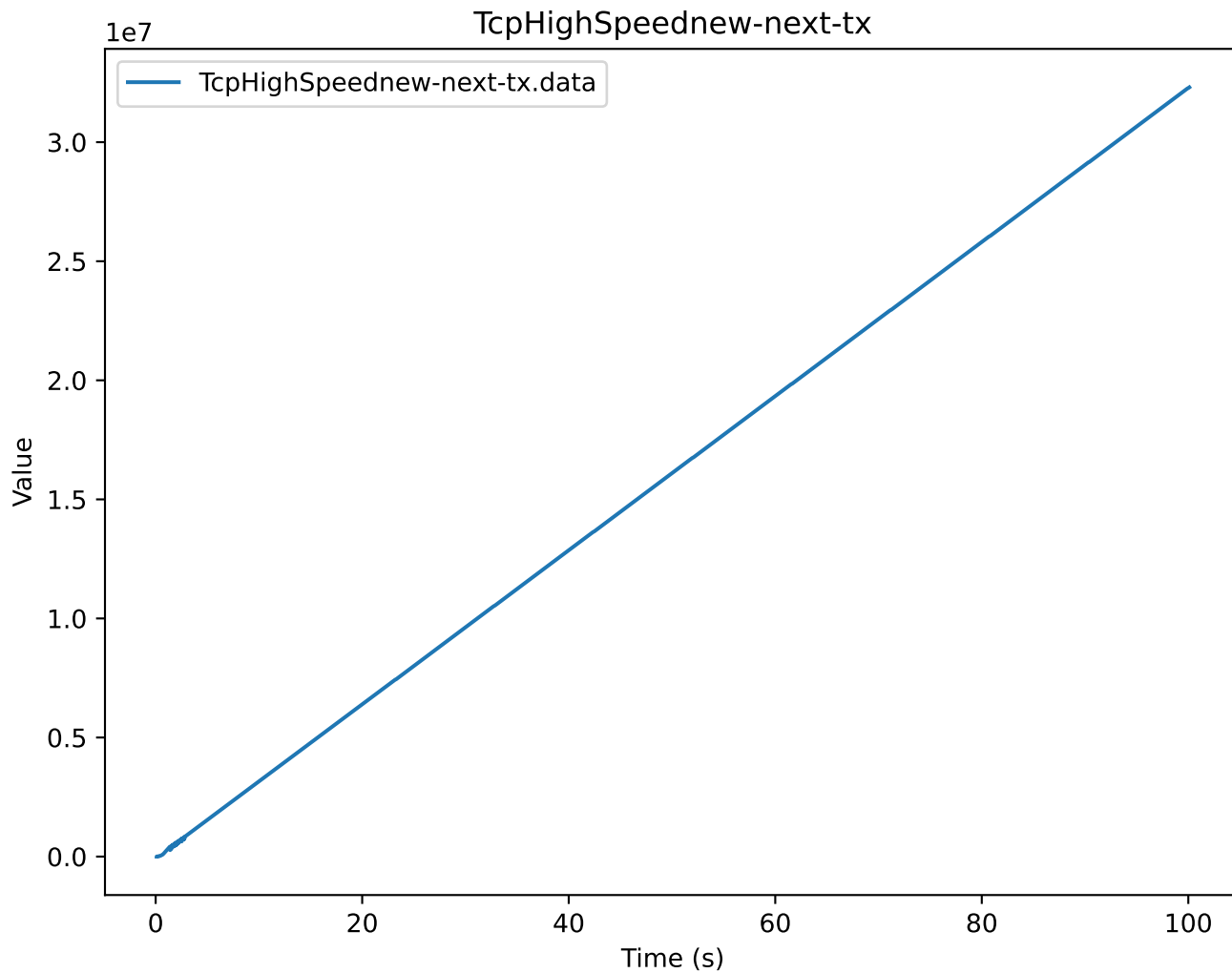
TcpHighSpeednew-cwnd



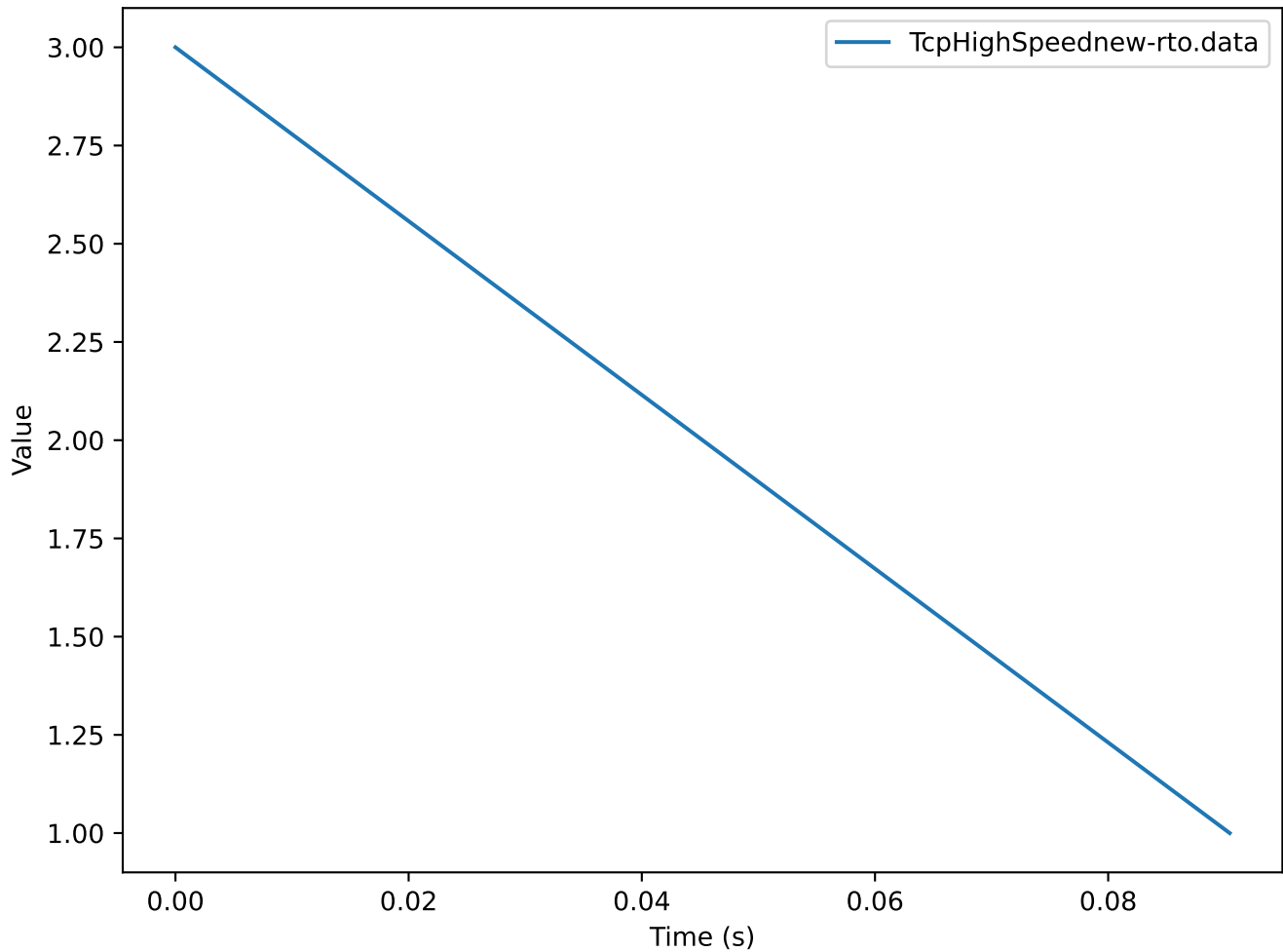
TcpHighSpeednew-inflight

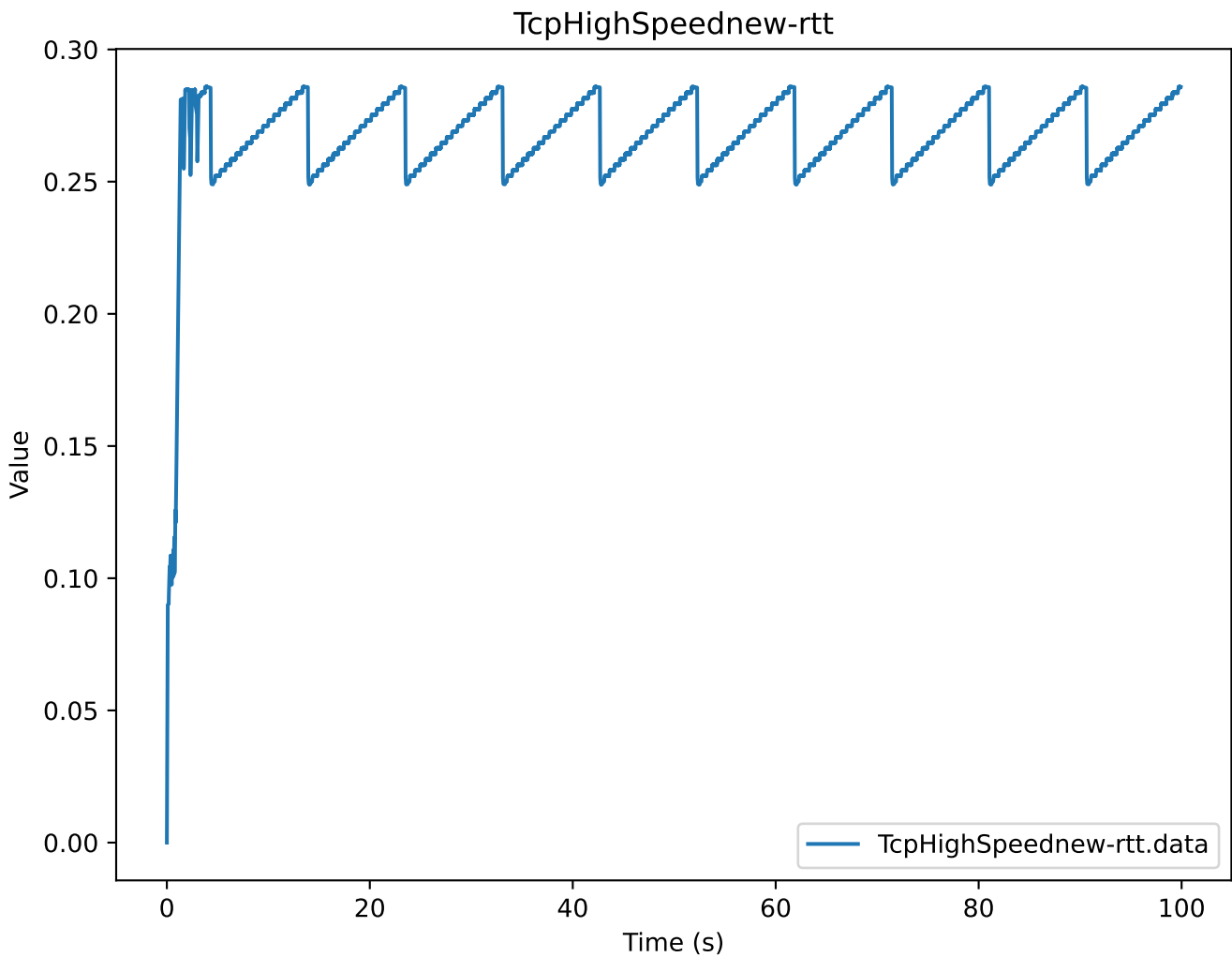


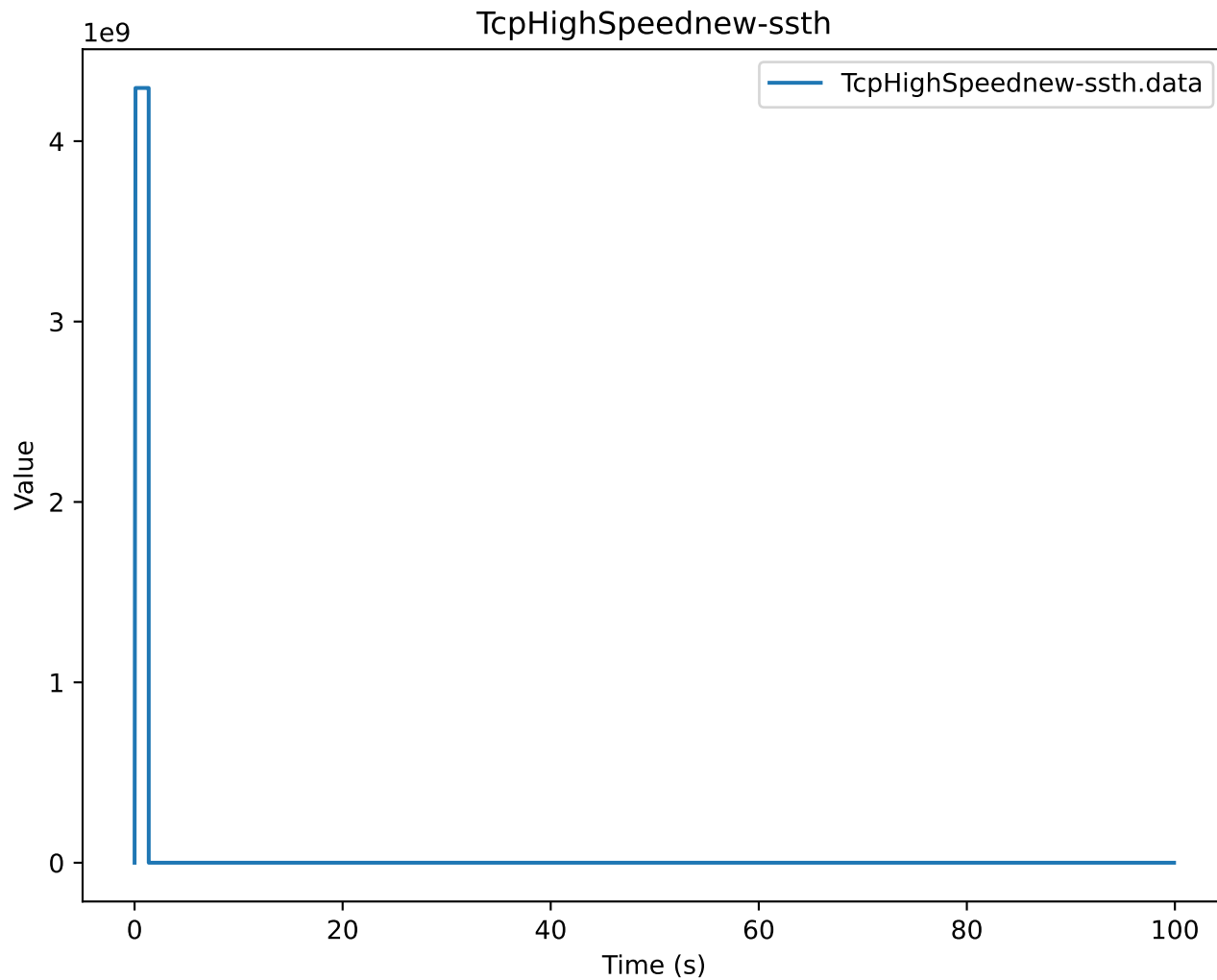




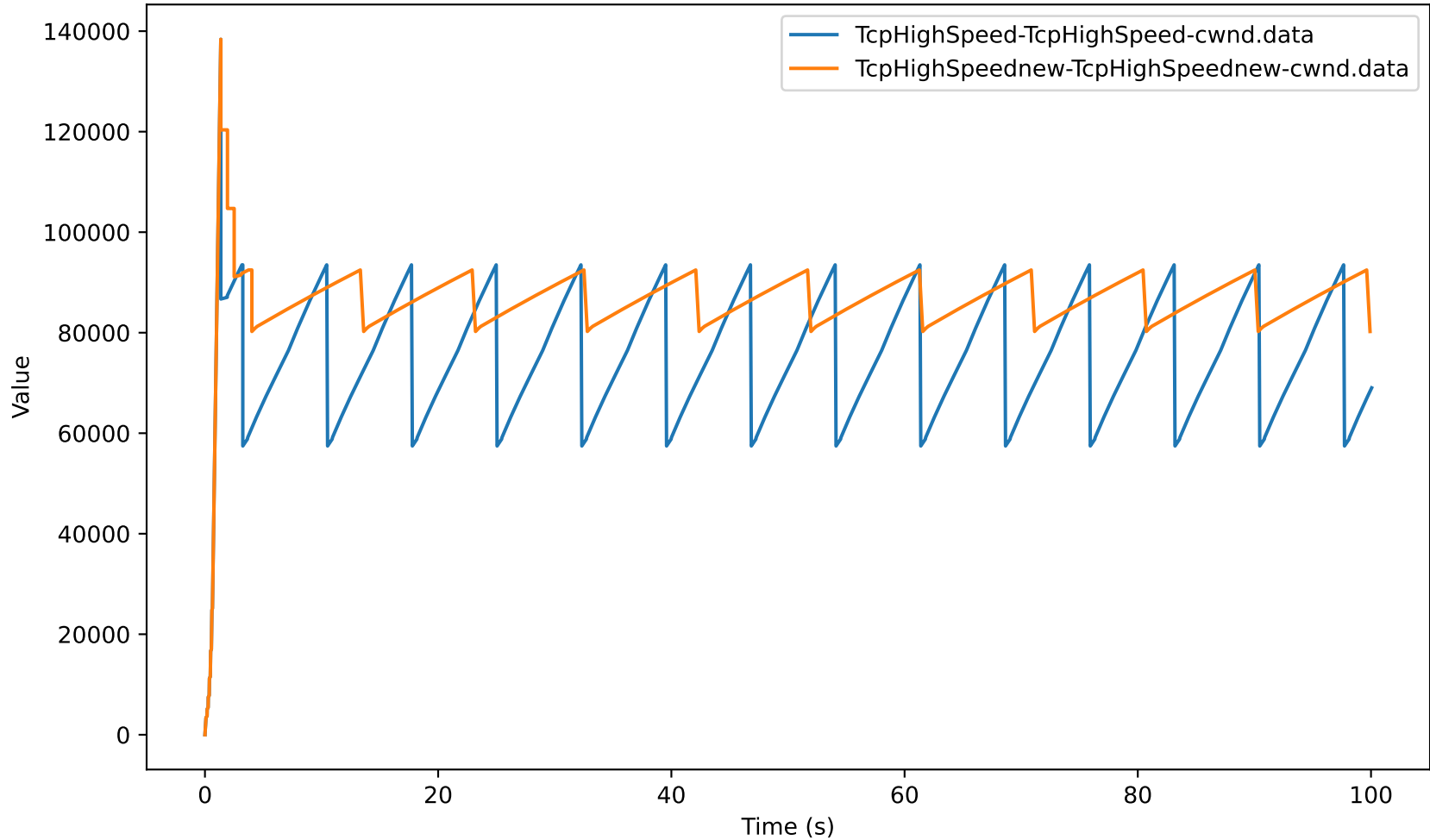
TcpHighSpeednew-rto



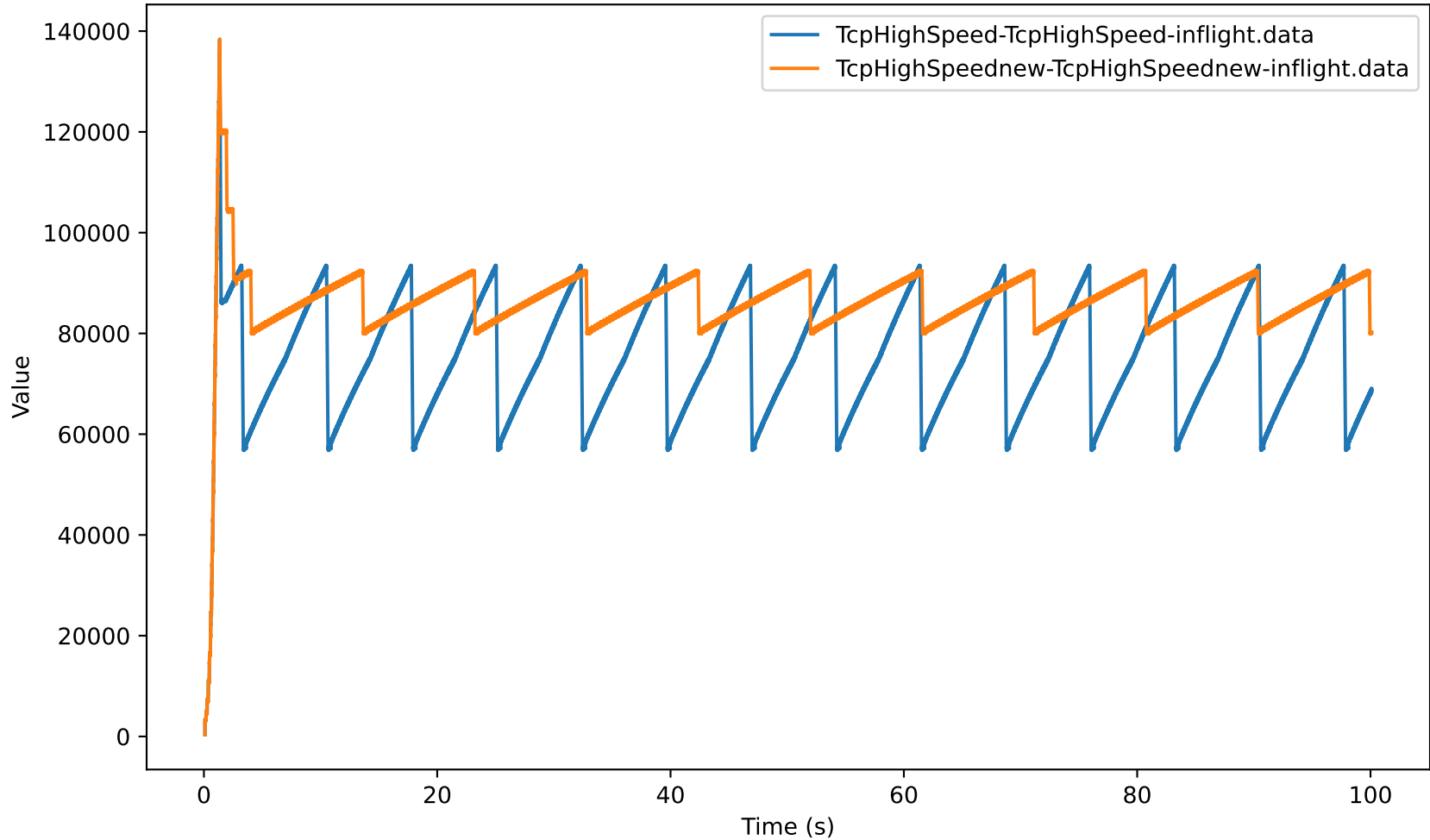


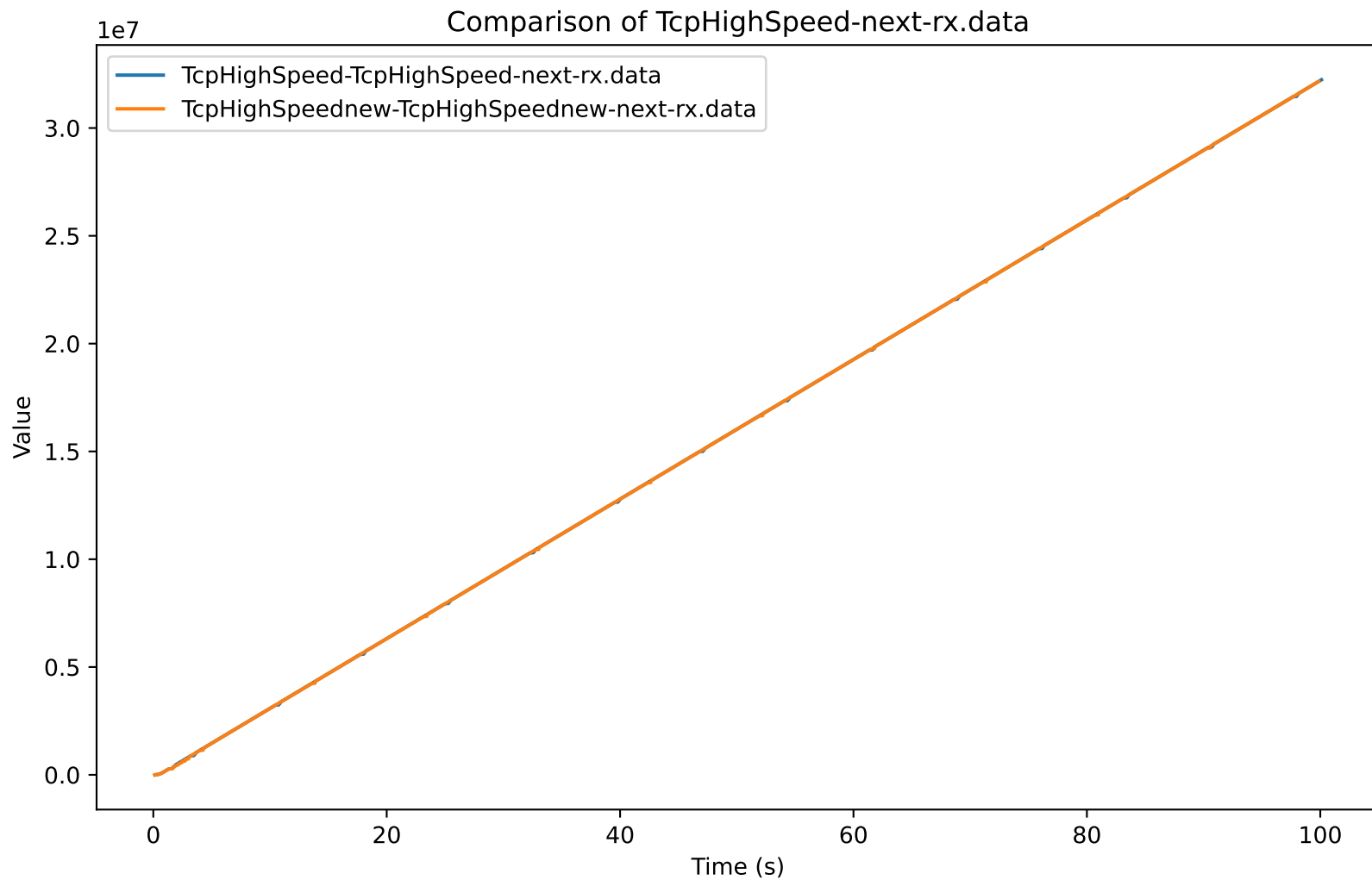


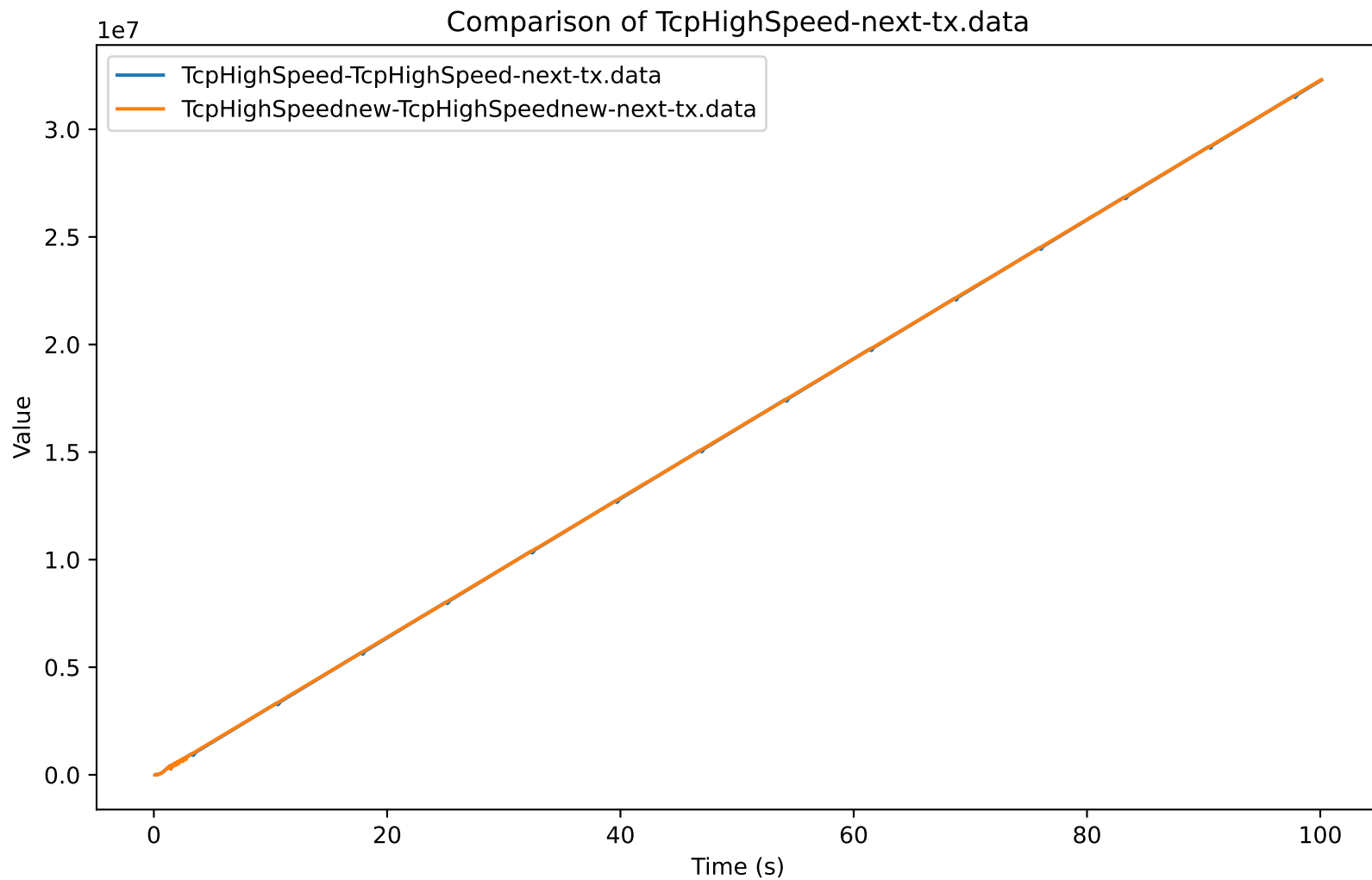
Comparison of TcpHighSpeed-cwnd.data



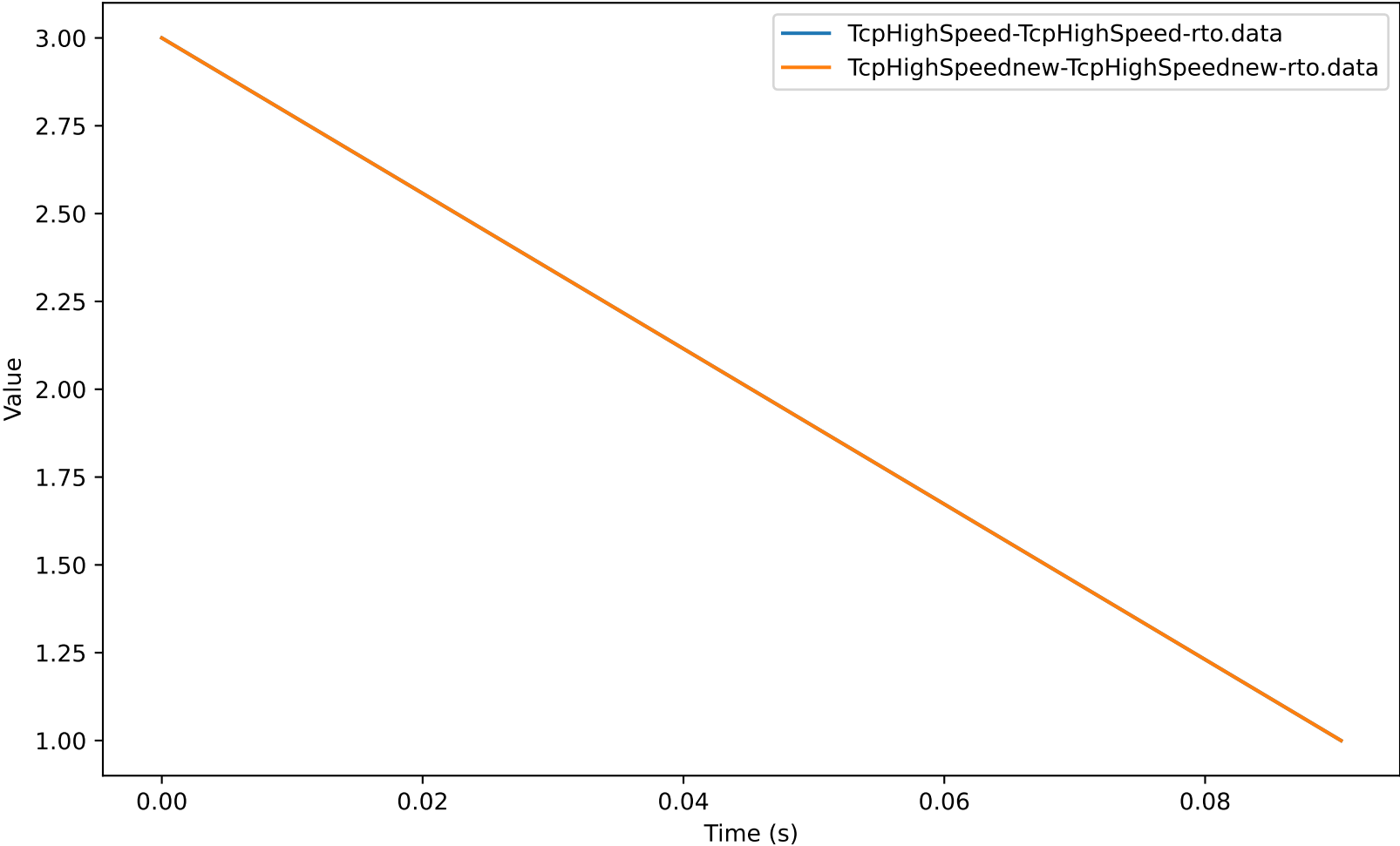
Comparison of TcpHighSpeed-inflight.data







Comparison of TcpHighSpeed-rto.data



Comparison of TcpHighSpeed-rtt.data

