

## Pantheon Report

Generated at 2019-10-27 06:30:12 (UTC).  
Tested in mahimahi: mm-delay 40 mm-link 50mbps.trace 50mbps.trace  
--uplink-queue=droptail --uplink-queue-args=packets=300  
Repeated the test of 10 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.

System info:

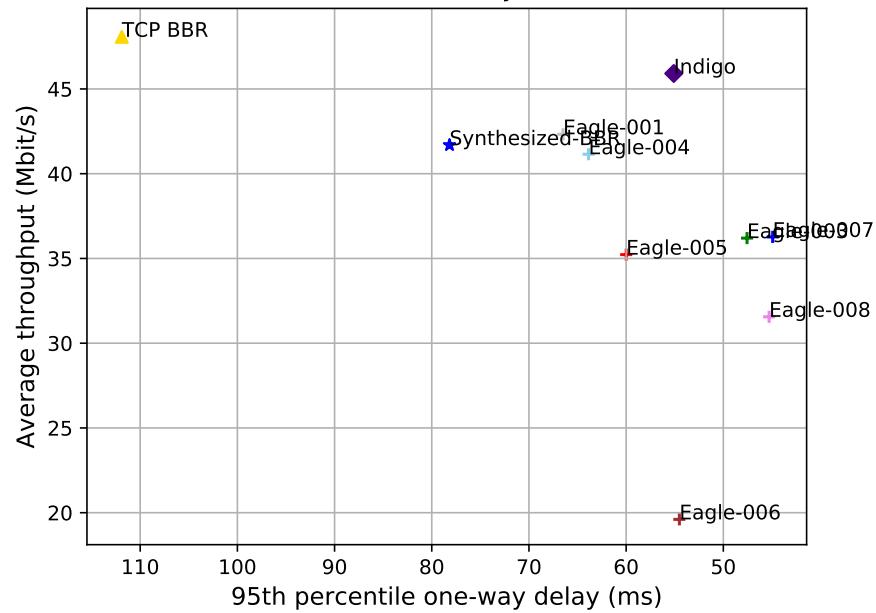
```
Linux 4.15.0-65-generic
net.core.default_qdisc = fq
net.core.rmem_default = 212992
net.core.rmem_max = 212992
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

Git summary:

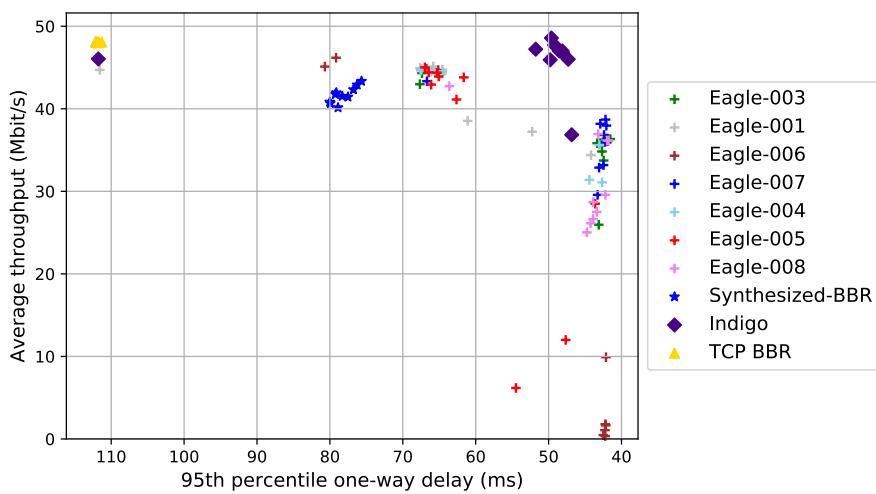
```
branch: master @ b54fc866b3140559c1fa1782d26fa636f7a43a8d
third_party/aurora @ f3e943d61015b39960854ba6391797e0c7984d74
third_party/aurora-model @ e292c316c23fb837255c4e142e40590d154bbe95
third_party/eagle-v1 @ c68d985e042be5c30704c0aee48c363861951a95
third_party/eagle-v2 @ c8a1737b3c84d7d49eadab5b8785045d272a70120
third_party/eagle-v3 @ d5f1ab4416fa417052ddc65de5dbdbd20955d293
M sender-receiver/sender-receiver/sender_receiver/envs/_/pycache__/datagram_pb2.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_/pycache__/helpers.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_/pycache__/mahimahi.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_/pycache__/project_root.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_/pycache__/receiver.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/example-xentropy-random-switch.py
M sender-receiver/sender-receiver/sender_receiver/envs/example-xentropy.py
D sender-receiver/sender-receiver/sender_receiver/envs/model-xentropy/model-xentropy-2.pt
D sender-receiver/sender-receiver/sender_receiver/envs/model-xentropy/model-xentropy-240it
M sender-receiver/sender-receiver/sender_receiver/envs/model-xentropy/model-xentropy.pt
M sender-receiver/sender-receiver/sender_receiver/logs.txt
third_party/fillp @ d6da1459332fceef56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
```

```
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/synthesizedBBR @ d5f1ab4416fa417052ddc65de5dbdbd20955d293
M sender-receiver/sender-receiver/sender_receiver/_pycache__/_init__.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_pycache__/_init__.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_pycache__/datagram_pb2.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_pycache__/helpers.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_pycache__/mahimahi.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_pycache__/project_root.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_pycache__/receiver.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/_pycache__/sender_receiver_env.cpython-36.pyc
M sender-receiver/sender-receiver/sender_receiver/envs/example-xentropy.py
M sender-receiver/sender-receiver/sender_receiver/logs.txt
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

local test in mahimahi, 10 runs of 30s each per scheme  
 (mean of all runs by scheme)



local test in mahimahi, 10 runs of 30s each per scheme



| scheme          | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|-----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR         | 10     | 48.08                            | 111.89                              | 2.26                         |
| Eagle-001       | 10     | 42.33                            | 66.49                               | 0.59                         |
| Eagle-003       | 10     | 36.20                            | 47.56                               | 0.15                         |
| Eagle-004       | 10     | 41.15                            | 63.86                               | 0.49                         |
| Eagle-005       | 10     | 35.23                            | 59.99                               | 0.12                         |
| Eagle-006       | 10     | 19.61                            | 54.52                               | 0.08                         |
| Eagle-007       | 10     | 36.27                            | 44.92                               | 0.12                         |
| Eagle-008       | 10     | 31.56                            | 45.29                               | 0.14                         |
| Indigo          | 10     | 45.91                            | 55.10                               | 1.12                         |
| Synthesized-BBR | 10     | 41.69                            | 78.17                               | 0.21                         |

Run 1: Statistics of TCP BBR

Start at: 2019-10-27 05:06:18

End at: 2019-10-27 05:06:48

# Below is generated by plot.py at 2019-10-27 06:19:48

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 48.08 Mbit/s (96.2% utilization)

95th percentile per-packet one-way delay: 112.110 ms

Loss rate: 2.36%

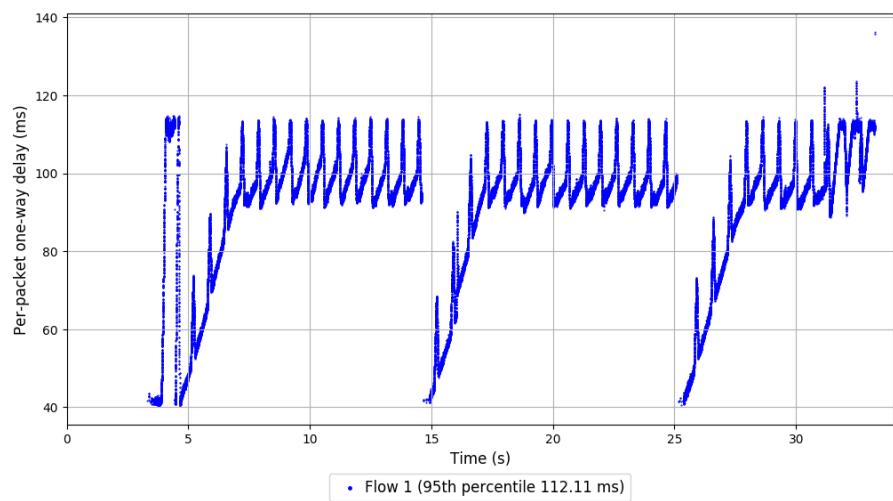
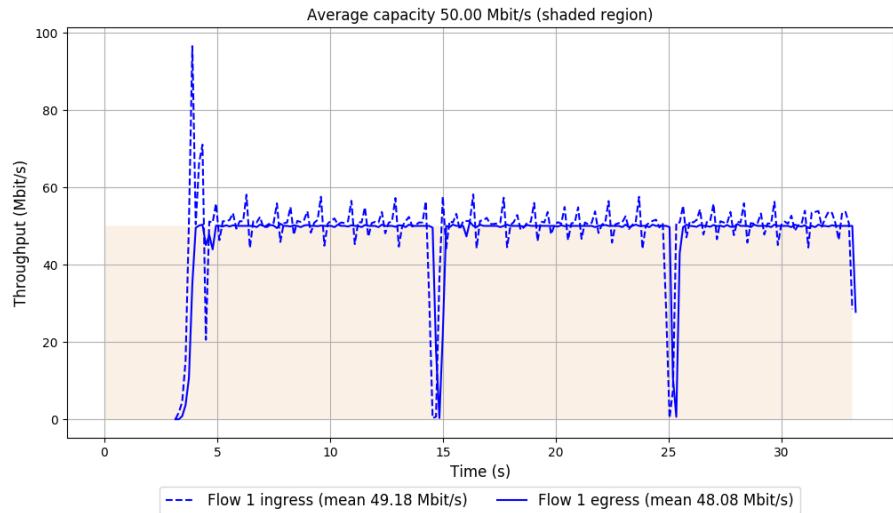
-- Flow 1:

Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 112.110 ms

Loss rate: 2.36%

## Run 1: Report of TCP BBR — Data Link



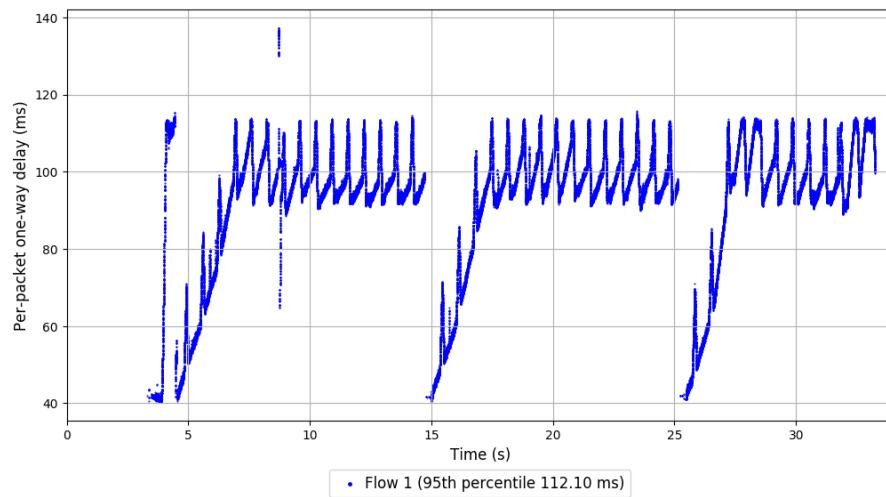
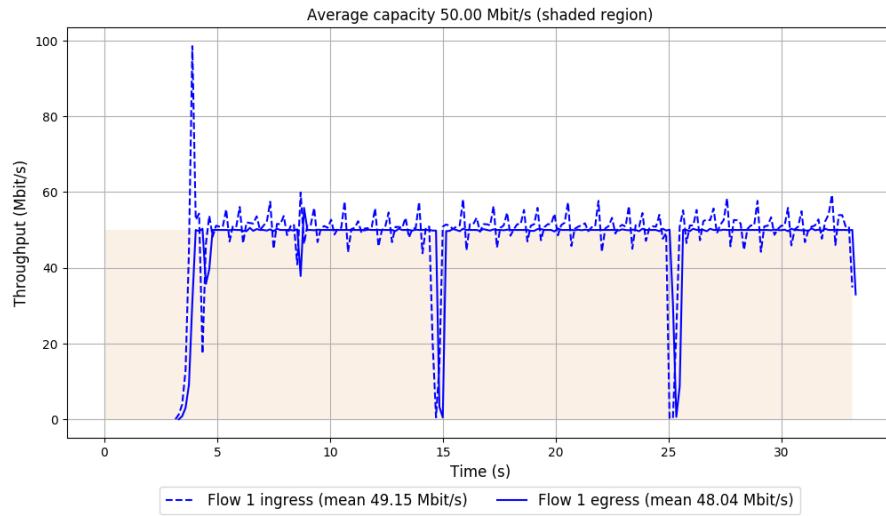
Run 2: Statistics of TCP BBR

Start at: 2019-10-27 05:12:21

End at: 2019-10-27 05:12:51

```
# Below is generated by plot.py at 2019-10-27 06:19:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.04 Mbit/s (96.1% utilization)
95th percentile per-packet one-way delay: 112.097 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 112.097 ms
Loss rate: 2.40%
```

## Run 2: Report of TCP BBR — Data Link



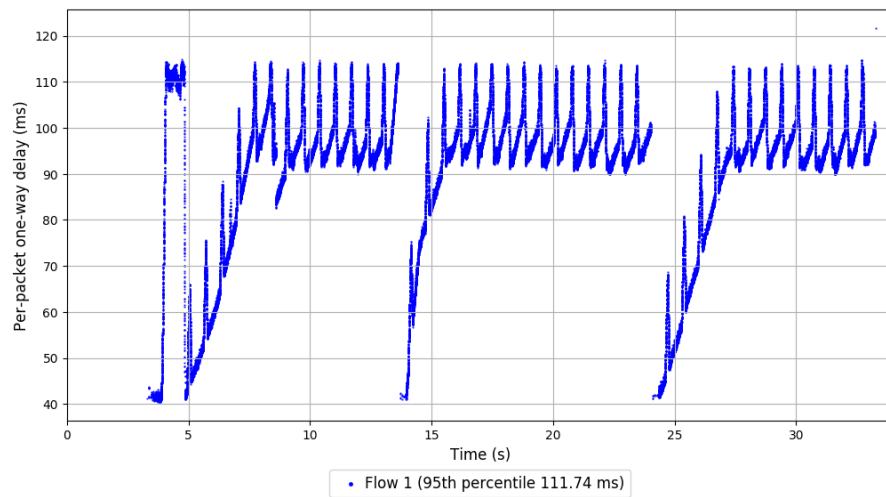
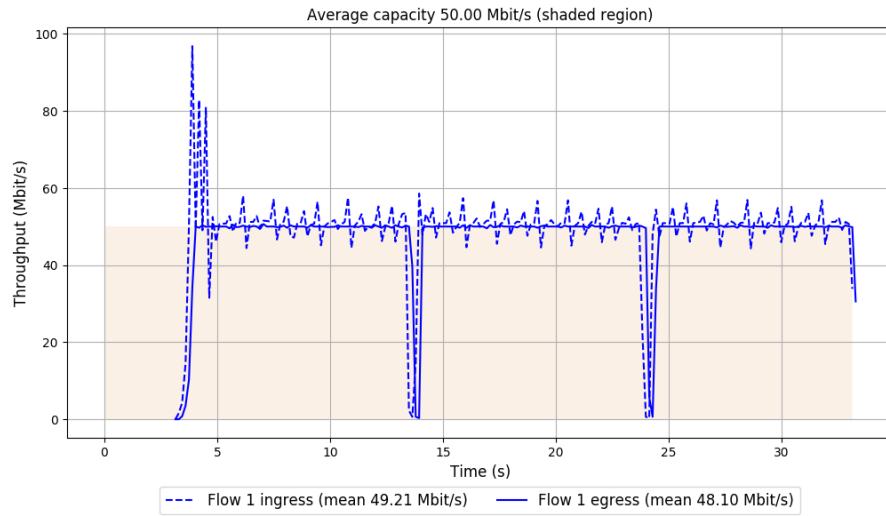
Run 3: Statistics of TCP BBR

Start at: 2019-10-27 05:18:24

End at: 2019-10-27 05:18:54

```
# Below is generated by plot.py at 2019-10-27 06:19:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.10 Mbit/s (96.2% utilization)
95th percentile per-packet one-way delay: 111.742 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 111.742 ms
Loss rate: 2.33%
```

### Run 3: Report of TCP BBR — Data Link



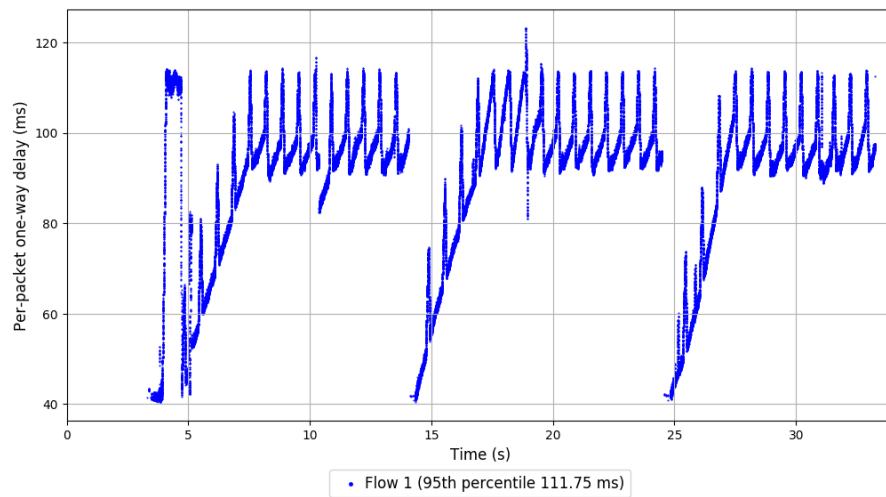
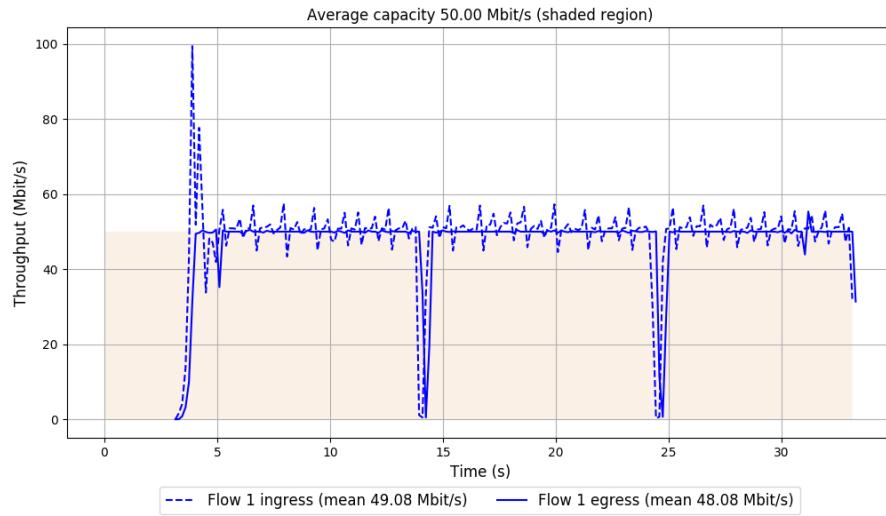
Run 4: Statistics of TCP BBR

Start at: 2019-10-27 05:24:25

End at: 2019-10-27 05:24:55

```
# Below is generated by plot.py at 2019-10-27 06:19:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.08 Mbit/s (96.2% utilization)
95th percentile per-packet one-way delay: 111.754 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 111.754 ms
Loss rate: 2.17%
```

#### Run 4: Report of TCP BBR — Data Link



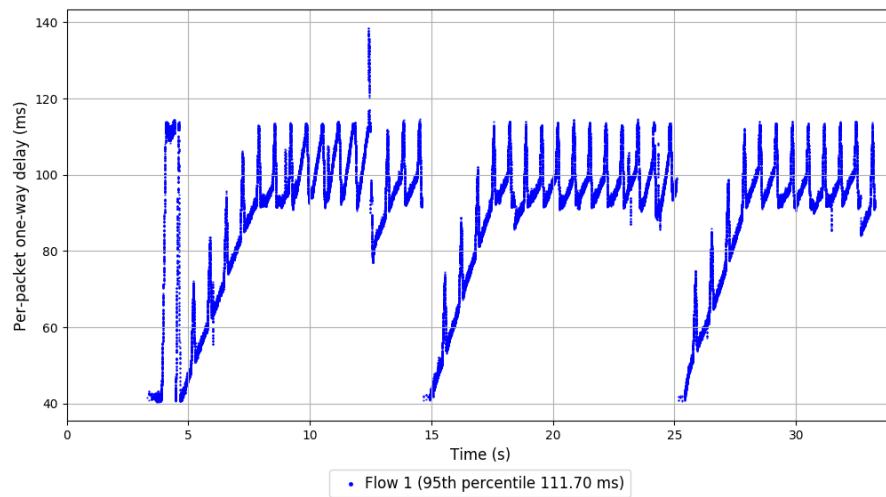
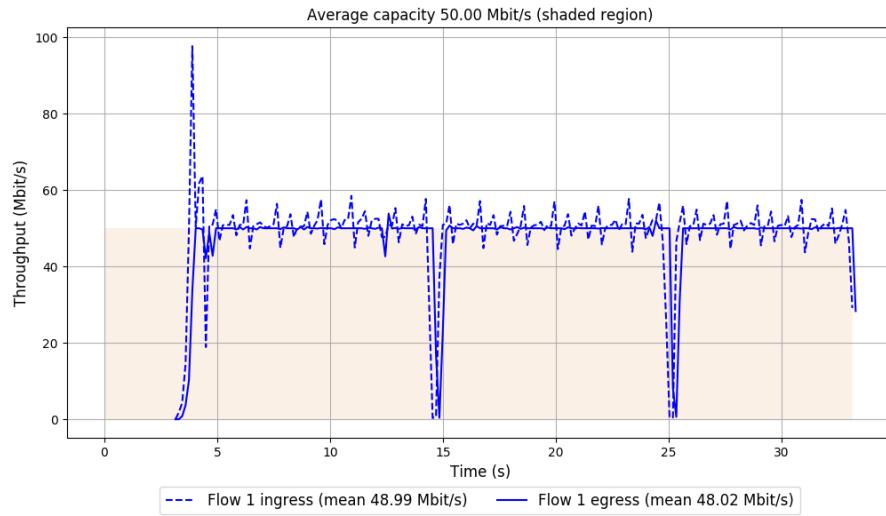
Run 5: Statistics of TCP BBR

Start at: 2019-10-27 05:30:28

End at: 2019-10-27 05:30:58

```
# Below is generated by plot.py at 2019-10-27 06:20:19
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.02 Mbit/s (96.0% utilization)
95th percentile per-packet one-way delay: 111.705 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 111.705 ms
Loss rate: 2.13%
```

### Run 5: Report of TCP BBR — Data Link



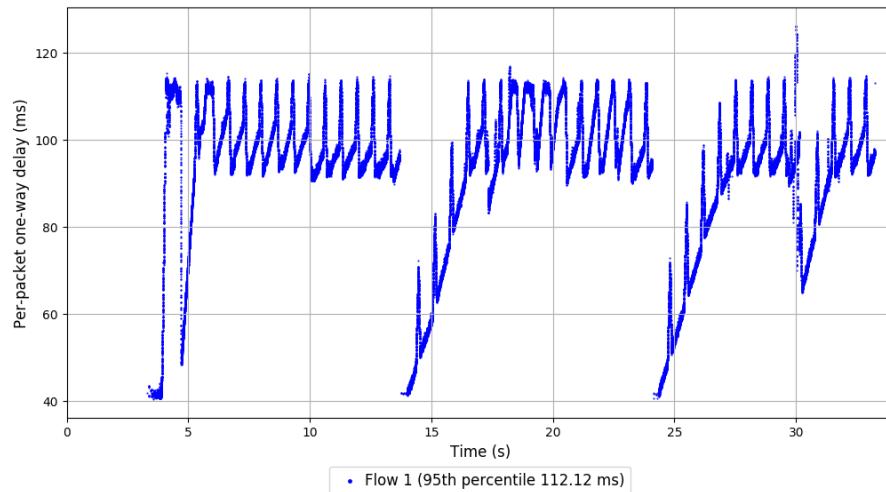
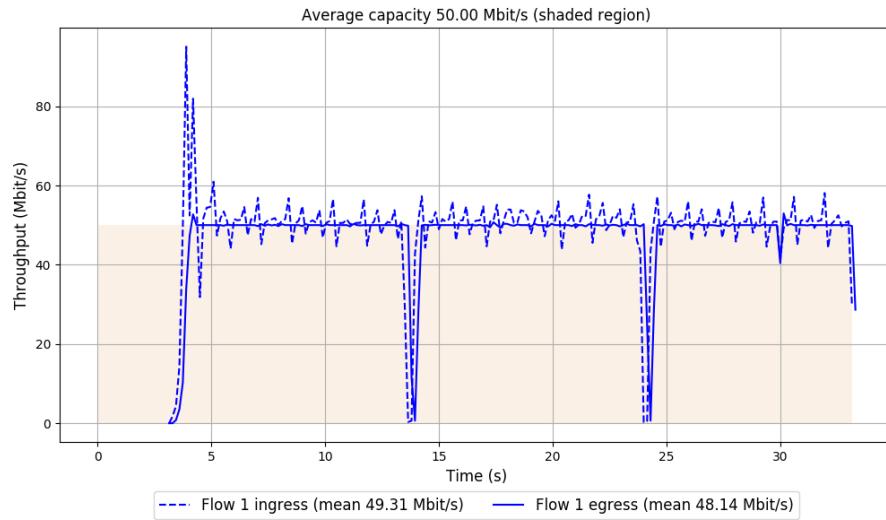
Run 6: Statistics of TCP BBR

Start at: 2019-10-27 05:36:33

End at: 2019-10-27 05:37:03

```
# Below is generated by plot.py at 2019-10-27 06:20:19
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.14 Mbit/s (96.3% utilization)
95th percentile per-packet one-way delay: 112.116 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 112.116 ms
Loss rate: 2.46%
```

## Run 6: Report of TCP BBR — Data Link



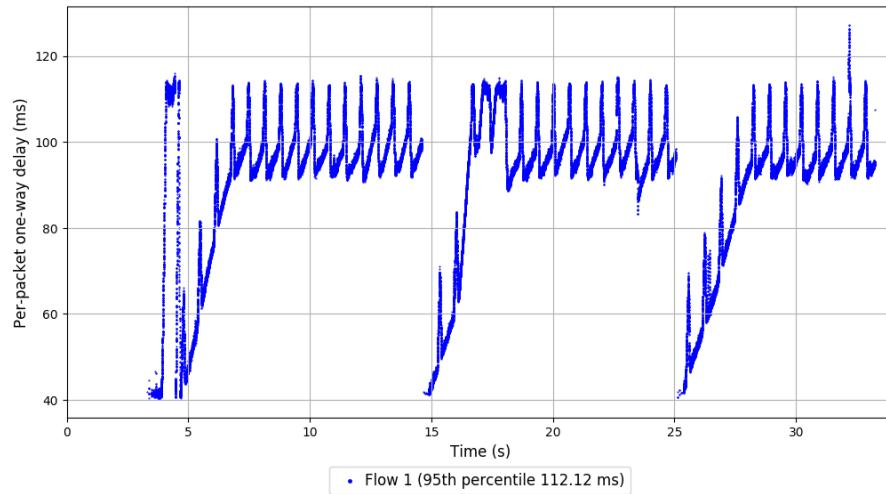
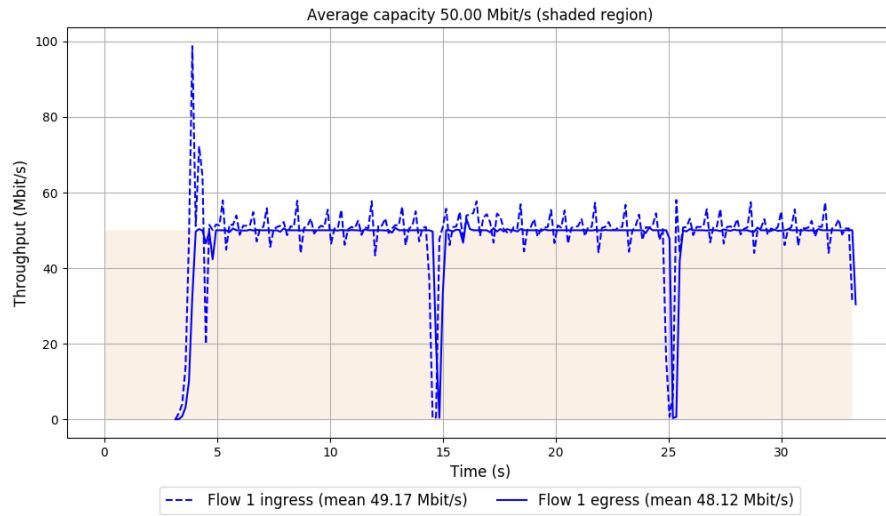
Run 7: Statistics of TCP BBR

Start at: 2019-10-27 05:42:37

End at: 2019-10-27 05:43:07

```
# Below is generated by plot.py at 2019-10-27 06:20:21
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.12 Mbit/s (96.2% utilization)
95th percentile per-packet one-way delay: 112.116 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 112.116 ms
Loss rate: 2.29%
```

### Run 7: Report of TCP BBR — Data Link



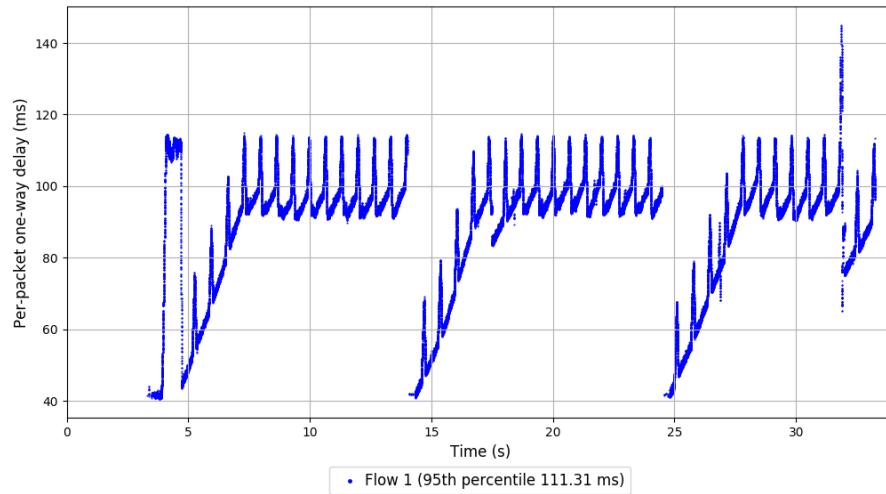
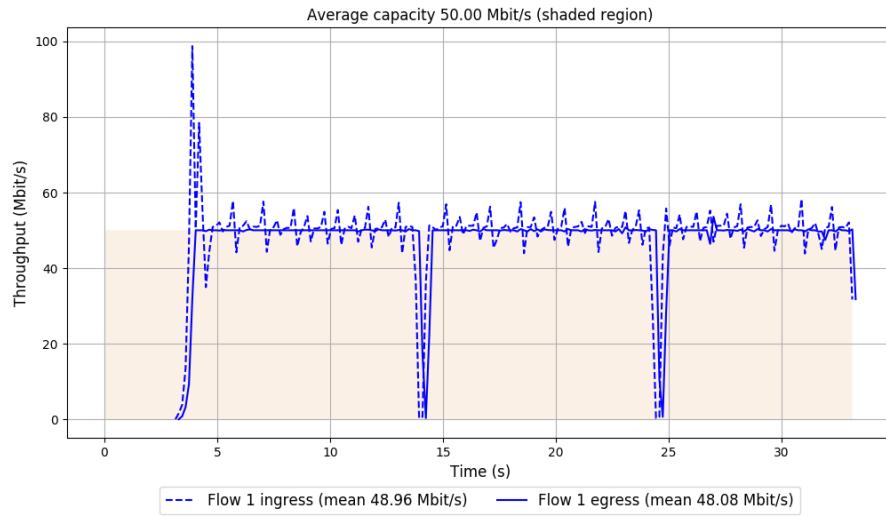
Run 8: Statistics of TCP BBR

Start at: 2019-10-27 05:48:38

End at: 2019-10-27 05:49:08

```
# Below is generated by plot.py at 2019-10-27 06:20:21
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.08 Mbit/s (96.1% utilization)
95th percentile per-packet one-way delay: 111.307 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 111.307 ms
Loss rate: 1.90%
```

### Run 8: Report of TCP BBR — Data Link



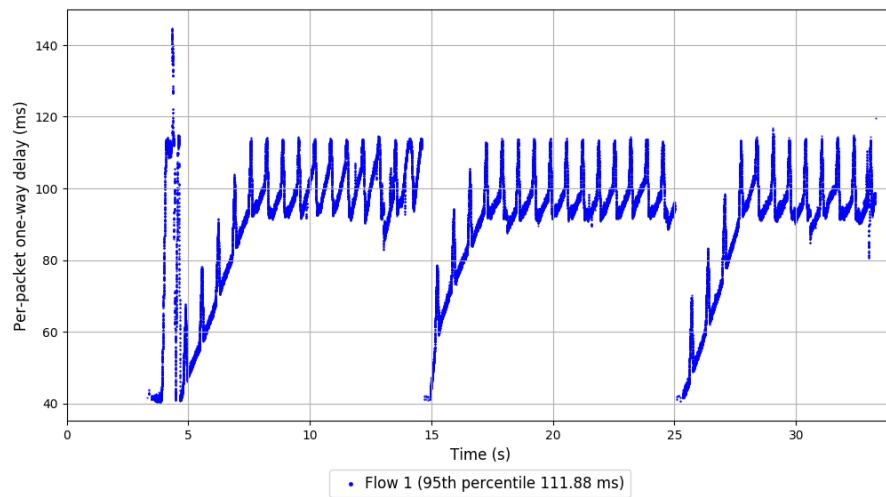
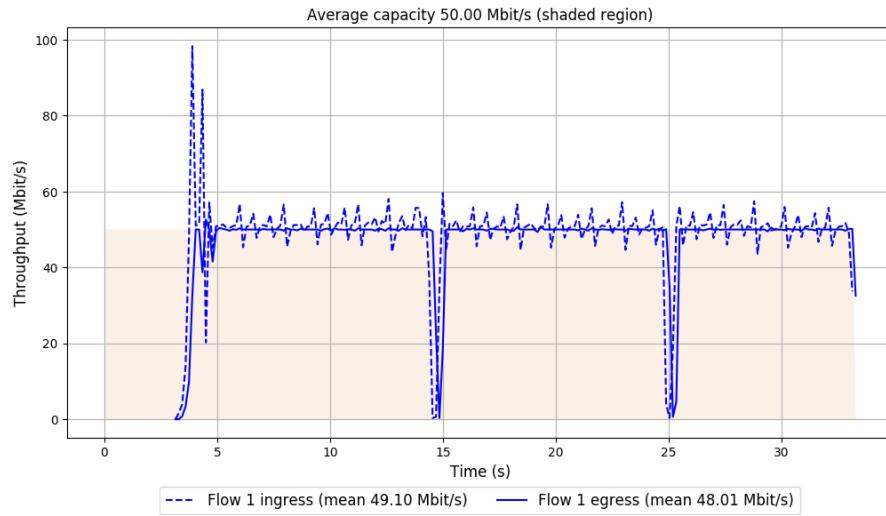
Run 9: Statistics of TCP BBR

Start at: 2019-10-27 05:54:42

End at: 2019-10-27 05:55:12

```
# Below is generated by plot.py at 2019-10-27 06:20:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.01 Mbit/s (96.0% utilization)
95th percentile per-packet one-way delay: 111.884 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 111.884 ms
Loss rate: 2.29%
```

### Run 9: Report of TCP BBR — Data Link



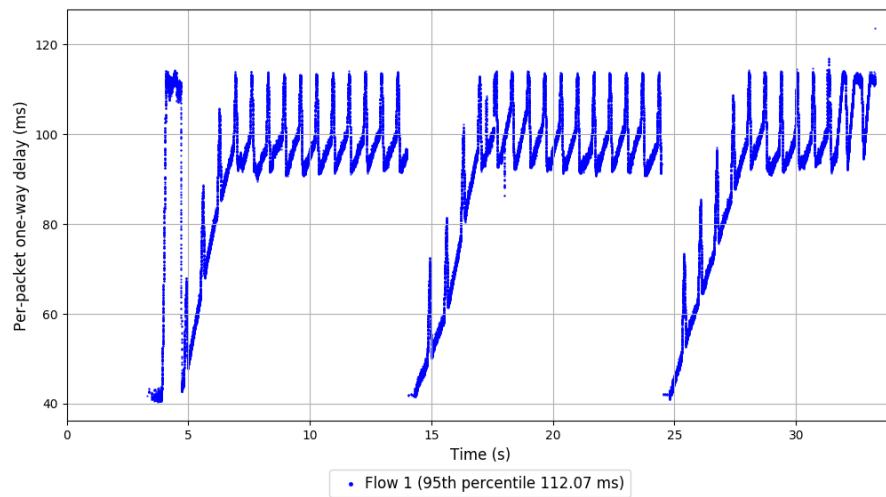
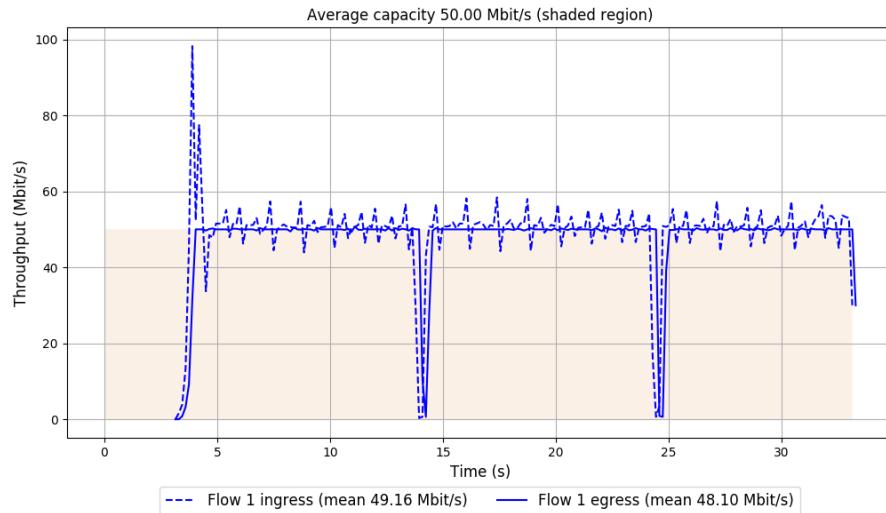
Run 10: Statistics of TCP BBR

Start at: 2019-10-27 06:00:44

End at: 2019-10-27 06:01:14

```
# Below is generated by plot.py at 2019-10-27 06:20:53
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 48.10 Mbit/s (96.2% utilization)
95th percentile per-packet one-way delay: 112.066 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 112.066 ms
Loss rate: 2.26%
```

### Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Eagle-001

Start at: 2019-10-27 05:01:28

End at: 2019-10-27 05:01:58

# Below is generated by plot.py at 2019-10-27 06:20:53

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 44.93 Mbit/s (89.9% utilization)

95th percentile per-packet one-way delay: 67.627 ms

Loss rate: 0.22%

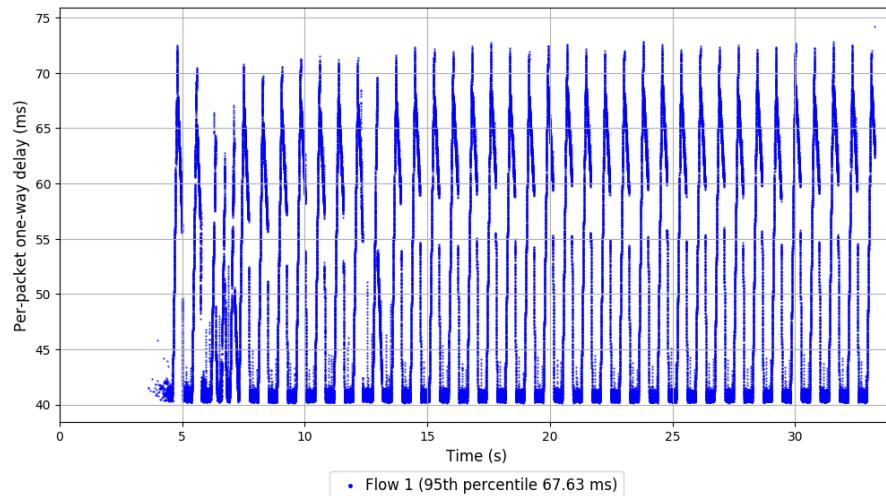
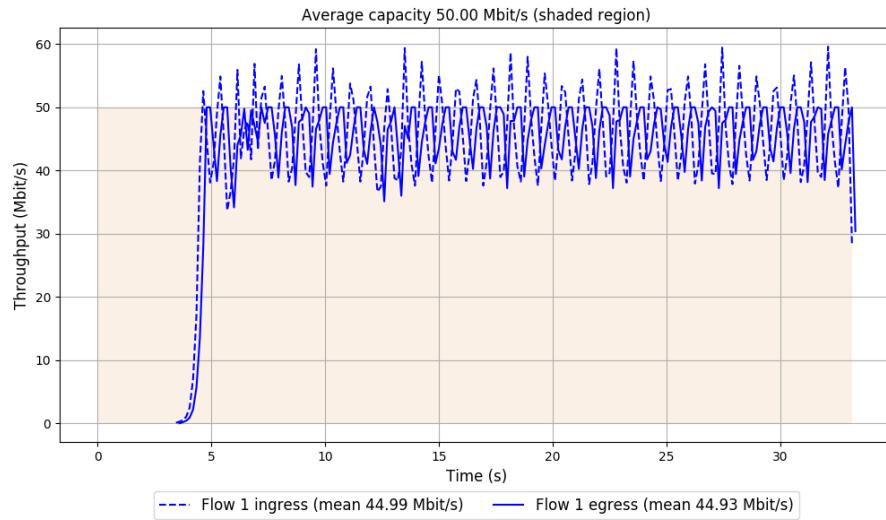
-- Flow 1:

Average throughput: 44.93 Mbit/s

95th percentile per-packet one-way delay: 67.627 ms

Loss rate: 0.22%

## Run 1: Report of Eagle-001 — Data Link



Run 2: Statistics of Eagle-001

Start at: 2019-10-27 05:07:31

End at: 2019-10-27 05:08:01

# Below is generated by plot.py at 2019-10-27 06:20:53

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 38.53 Mbit/s (77.1% utilization)

95th percentile per-packet one-way delay: 61.095 ms

Loss rate: 0.23%

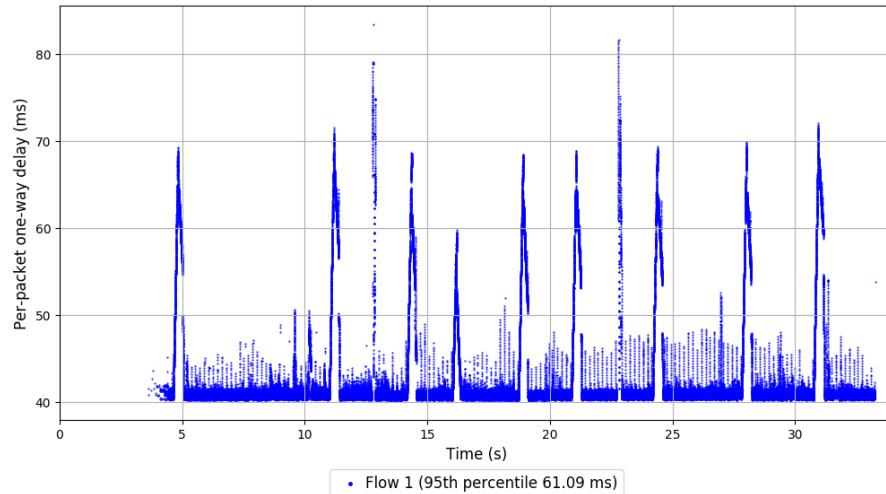
-- Flow 1:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 61.095 ms

Loss rate: 0.23%

## Run 2: Report of Eagle-001 — Data Link



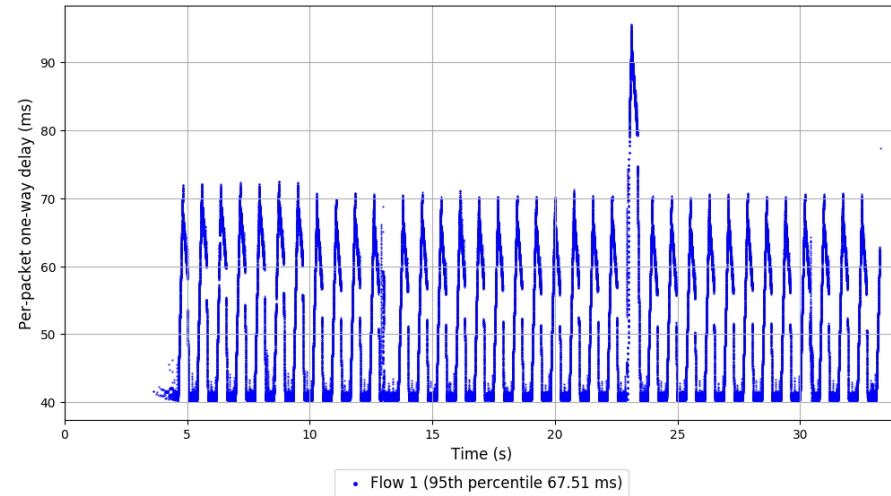
Run 3: Statistics of Eagle-001

Start at: 2019-10-27 05:13:34

End at: 2019-10-27 05:14:04

```
# Below is generated by plot.py at 2019-10-27 06:21:16
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.65 Mbit/s (89.3% utilization)
95th percentile per-packet one-way delay: 67.511 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 67.511 ms
Loss rate: 0.28%
```

### Run 3: Report of Eagle-001 — Data Link



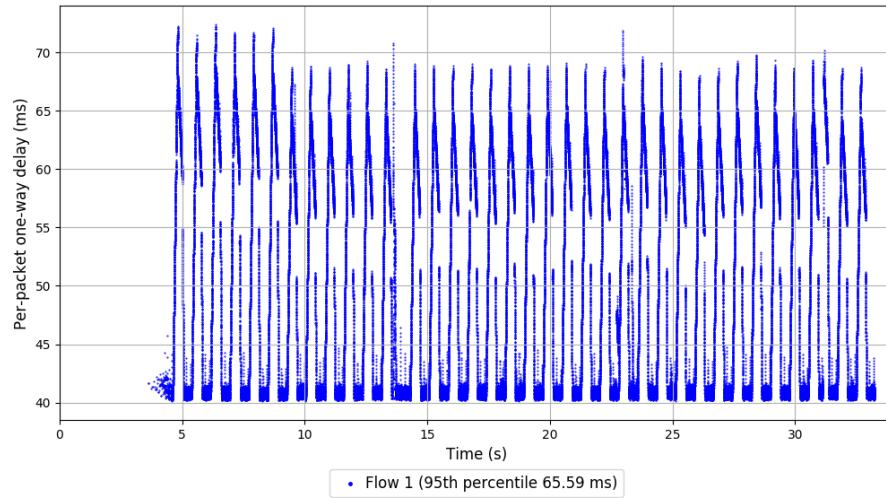
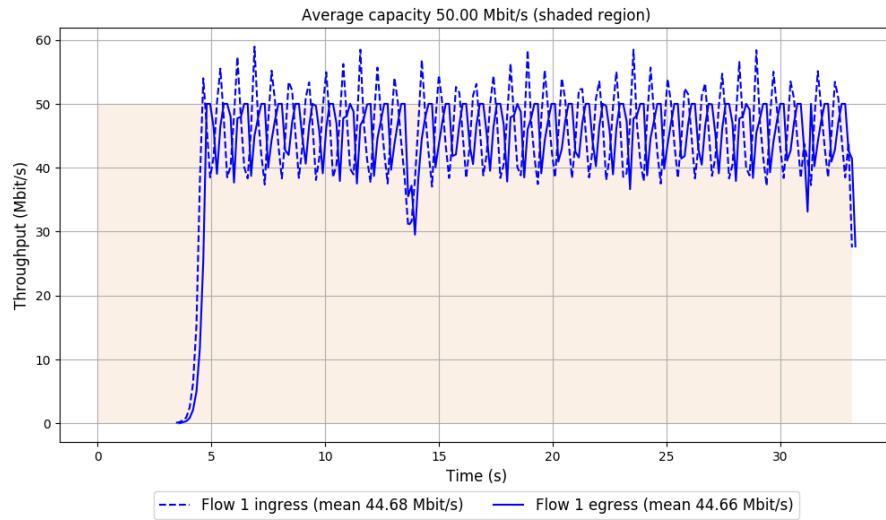
Run 4: Statistics of Eagle-001

Start at: 2019-10-27 05:19:37

End at: 2019-10-27 05:20:07

```
# Below is generated by plot.py at 2019-10-27 06:21:23
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.66 Mbit/s (89.3% utilization)
95th percentile per-packet one-way delay: 65.589 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 65.589 ms
Loss rate: 0.17%
```

## Run 4: Report of Eagle-001 — Data Link

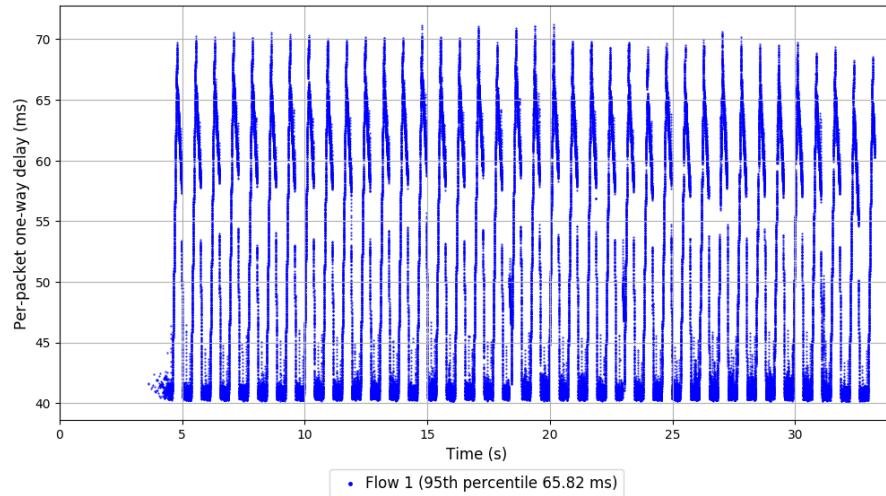
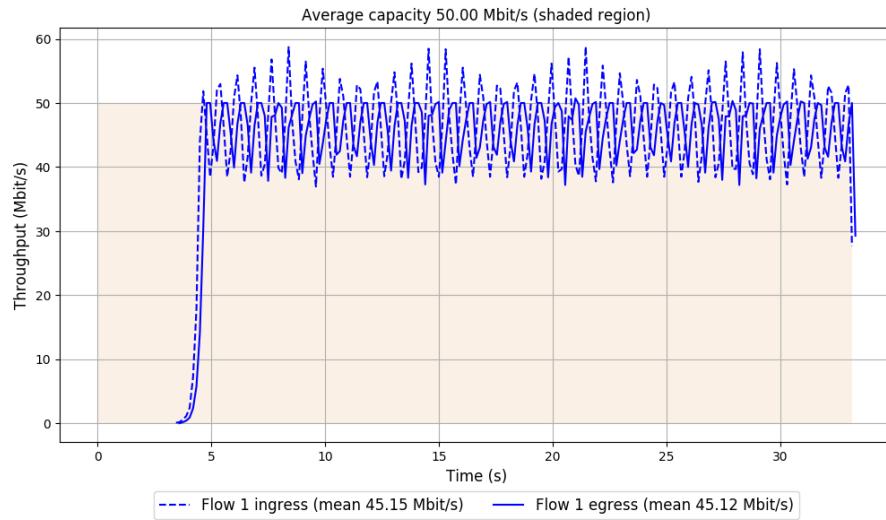


```
Run 5: Statistics of Eagle-001

Start at: 2019-10-27 05:25:38
End at: 2019-10-27 05:26:08

# Below is generated by plot.py at 2019-10-27 06:21:23
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 45.12 Mbit/s (90.2% utilization)
95th percentile per-packet one-way delay: 65.821 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 65.821 ms
Loss rate: 0.21%
```

## Run 5: Report of Eagle-001 — Data Link

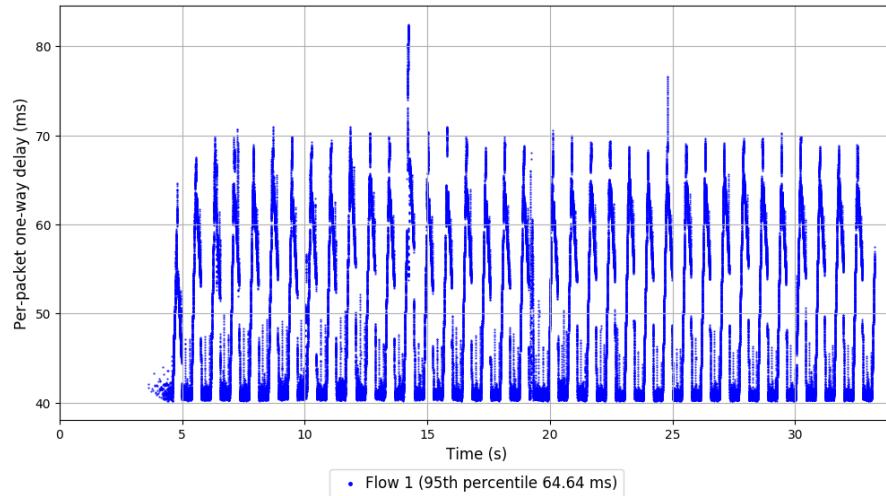


```
Run 6: Statistics of Eagle-001

Start at: 2019-10-27 05:31:42
End at: 2019-10-27 05:32:12

# Below is generated by plot.py at 2019-10-27 06:21:24
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.30 Mbit/s (88.6% utilization)
95th percentile per-packet one-way delay: 64.642 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 44.30 Mbit/s
95th percentile per-packet one-way delay: 64.642 ms
Loss rate: 0.25%
```

## Run 6: Report of Eagle-001 — Data Link

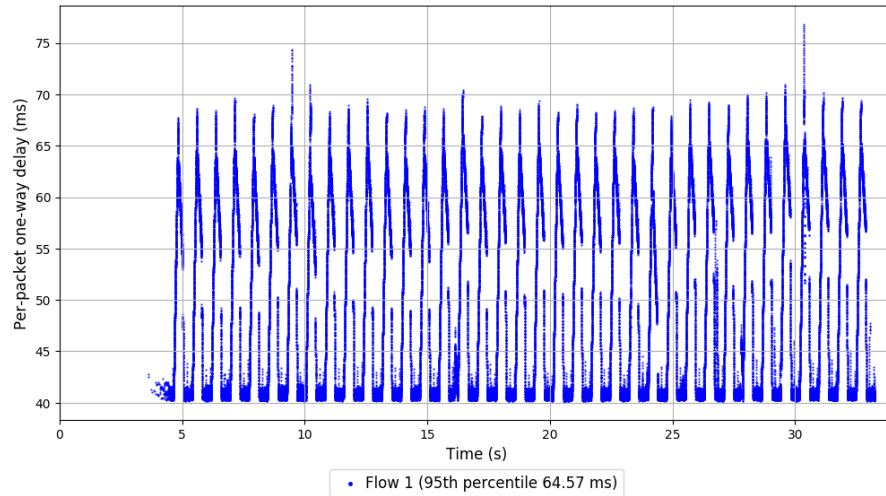


```
Run 7: Statistics of Eagle-001

Start at: 2019-10-27 05:37:46
End at: 2019-10-27 05:38:16

# Below is generated by plot.py at 2019-10-27 06:21:41
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.74 Mbit/s (89.5% utilization)
95th percentile per-packet one-way delay: 64.569 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 64.569 ms
Loss rate: 0.16%
```

## Run 7: Report of Eagle-001 — Data Link



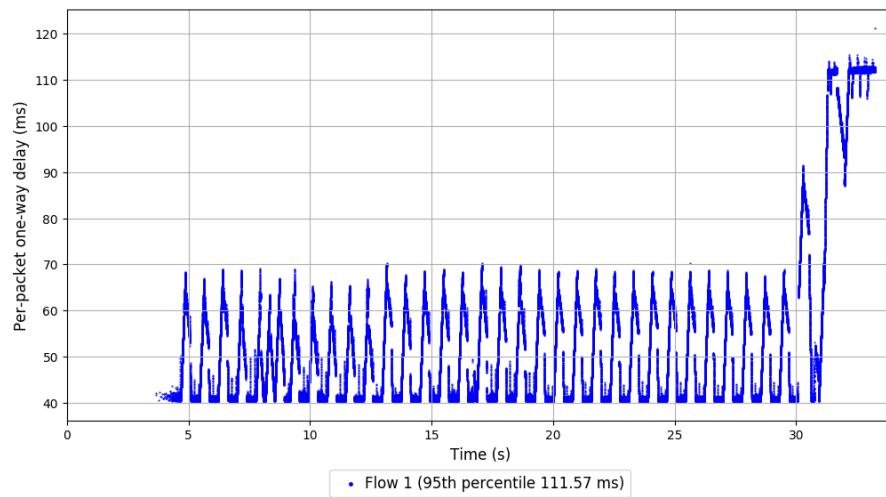
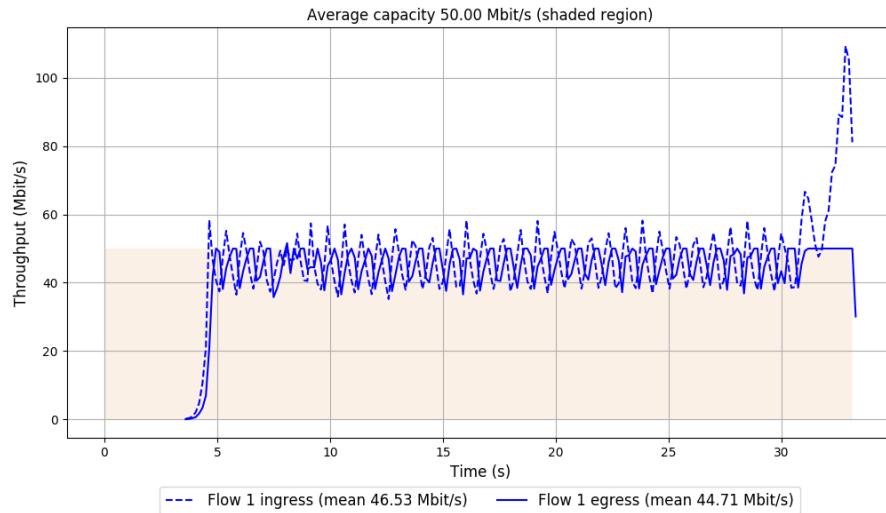
Run 8: Statistics of Eagle-001

Start at: 2019-10-27 05:43:51

End at: 2019-10-27 05:44:21

```
# Below is generated by plot.py at 2019-10-27 06:21:50
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.71 Mbit/s (89.4% utilization)
95th percentile per-packet one-way delay: 111.569 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 111.569 ms
Loss rate: 4.02%
```

## Run 8: Report of Eagle-001 — Data Link



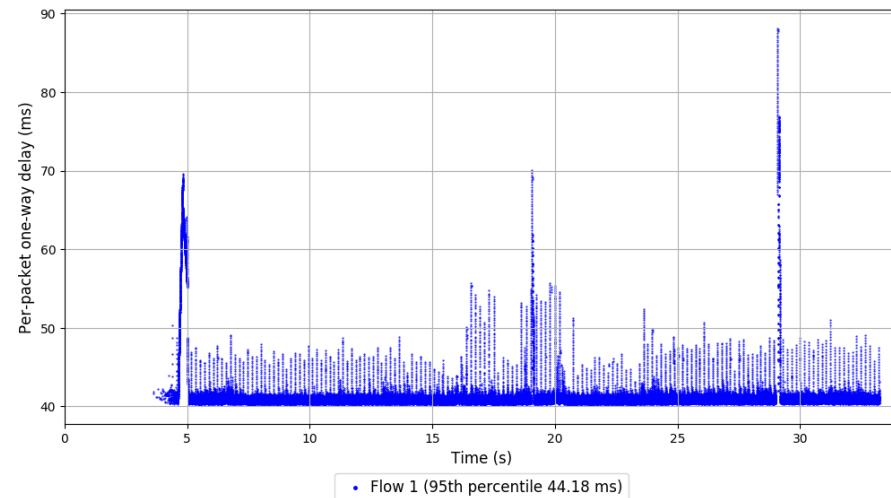
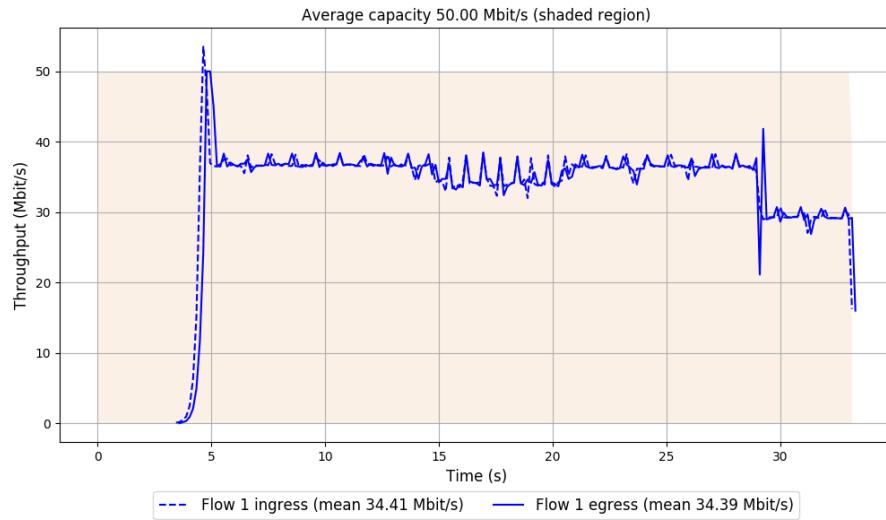
Run 9: Statistics of Eagle-001

Start at: 2019-10-27 05:49:51

End at: 2019-10-27 05:50:21

```
# Below is generated by plot.py at 2019-10-27 06:21:50
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 34.39 Mbit/s (68.8% utilization)
95th percentile per-packet one-way delay: 44.184 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 44.184 ms
Loss rate: 0.19%
```

Run 9: Report of Eagle-001 — Data Link

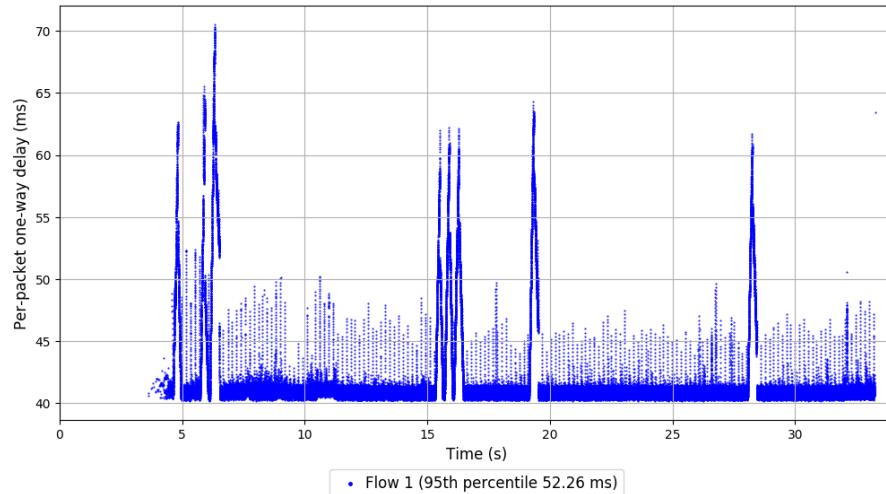
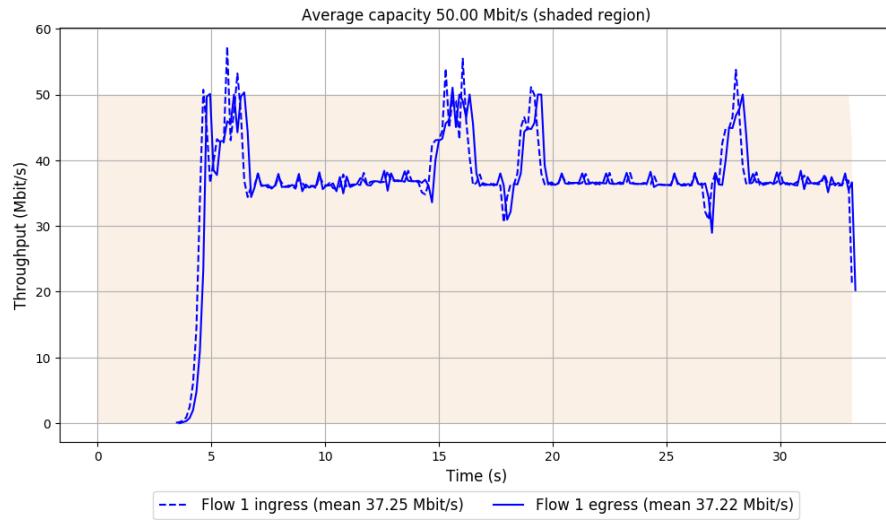


```
Run 10: Statistics of Eagle-001

Start at: 2019-10-27 05:55:55
End at: 2019-10-27 05:56:25

# Below is generated by plot.py at 2019-10-27 06:21:53
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 37.22 Mbit/s (74.4% utilization)
95th percentile per-packet one-way delay: 52.255 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 52.255 ms
Loss rate: 0.15%
```

## Run 10: Report of Eagle-001 — Data Link

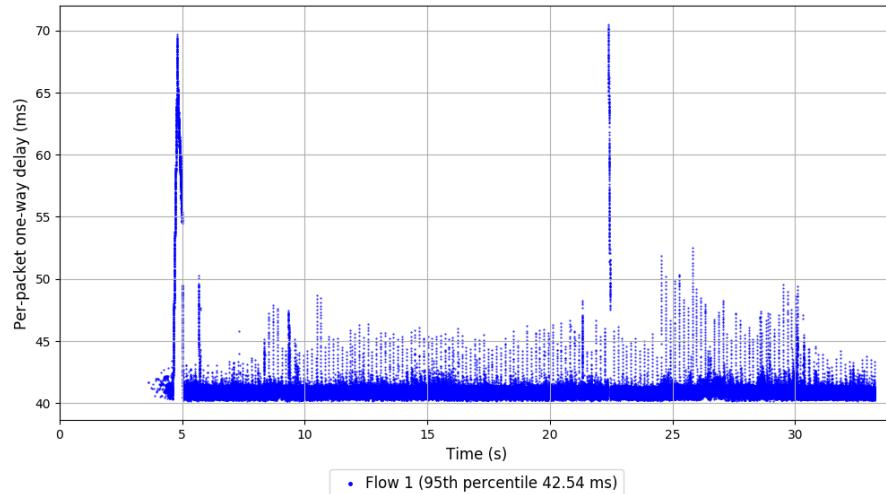
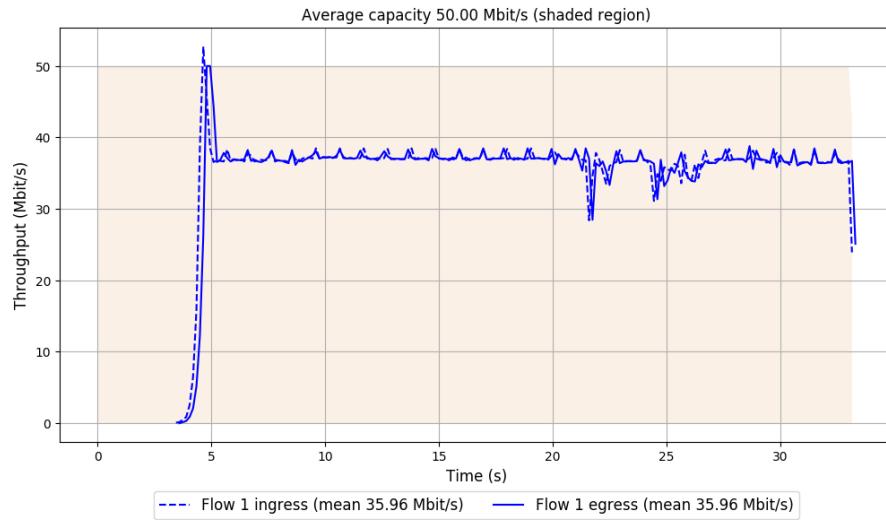


```
Run 1: Statistics of Eagle-003

Start at: 2019-10-27 05:02:04
End at: 2019-10-27 05:02:34

# Below is generated by plot.py at 2019-10-27 06:22:05
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 35.96 Mbit/s (71.9% utilization)
95th percentile per-packet one-way delay: 42.541 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 42.541 ms
Loss rate: 0.13%
```

## Run 1: Report of Eagle-003 — Data Link



Run 2: Statistics of Eagle-003

Start at: 2019-10-27 05:08:08

End at: 2019-10-27 05:08:38

# Below is generated by plot.py at 2019-10-27 06:22:07

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 36.34 Mbit/s (72.7% utilization)

95th percentile per-packet one-way delay: 41.533 ms

Loss rate: 0.14%

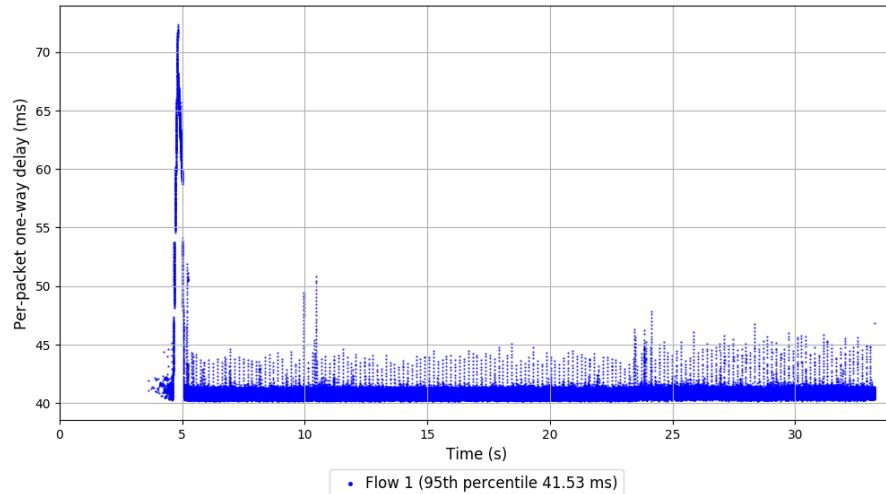
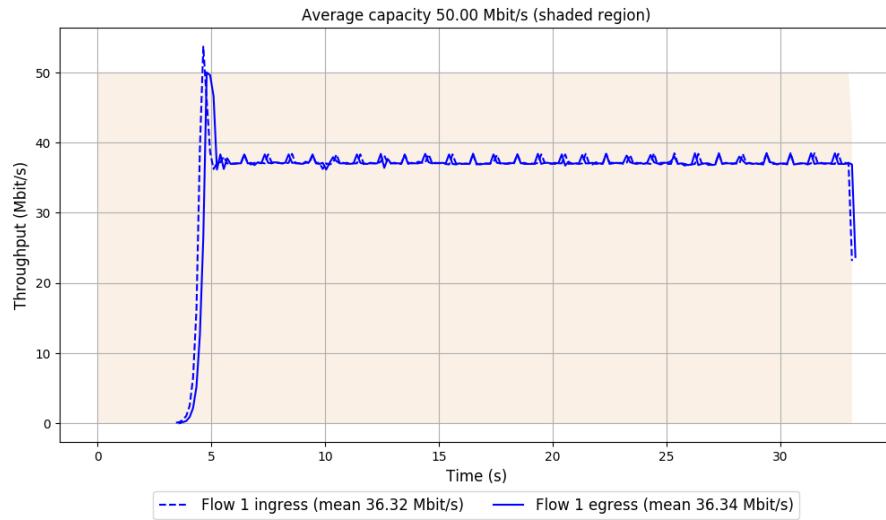
-- Flow 1:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 41.533 ms

Loss rate: 0.14%

## Run 2: Report of Eagle-003 — Data Link



Run 3: Statistics of Eagle-003

Start at: 2019-10-27 05:14:11

End at: 2019-10-27 05:14:41

# Below is generated by plot.py at 2019-10-27 06:22:13

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 34.83 Mbit/s (69.6% utilization)

95th percentile per-packet one-way delay: 42.672 ms

Loss rate: 0.14%

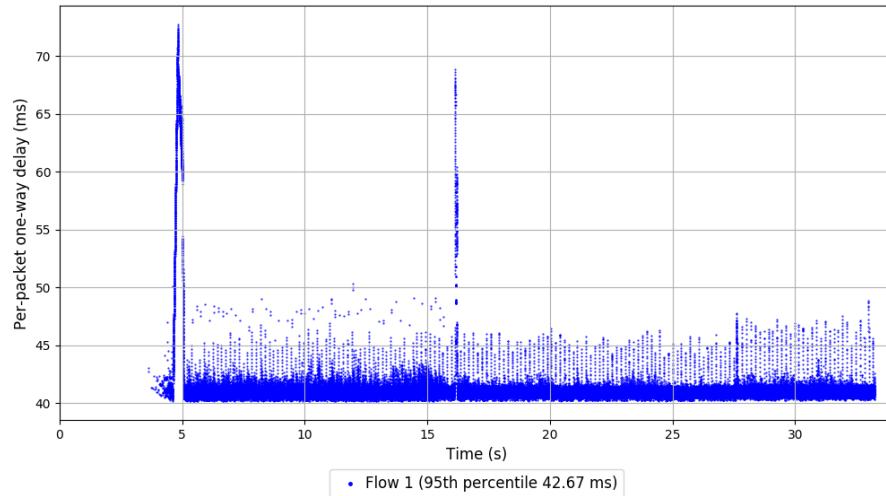
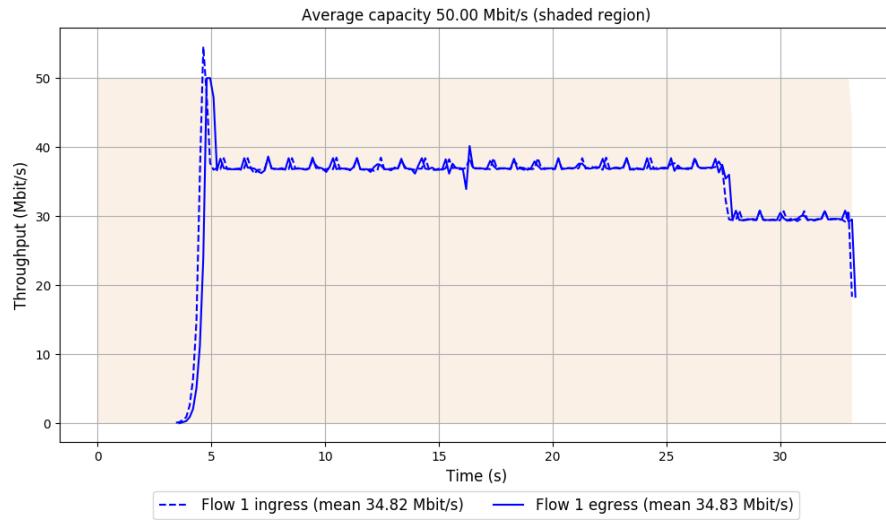
-- Flow 1:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 42.672 ms

Loss rate: 0.14%

## Run 3: Report of Eagle-003 — Data Link



Run 4: Statistics of Eagle-003

Start at: 2019-10-27 05:20:14

End at: 2019-10-27 05:20:44

# Below is generated by plot.py at 2019-10-27 06:22:27

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 42.98 Mbit/s (86.0% utilization)

95th percentile per-packet one-way delay: 67.654 ms

Loss rate: 0.25%

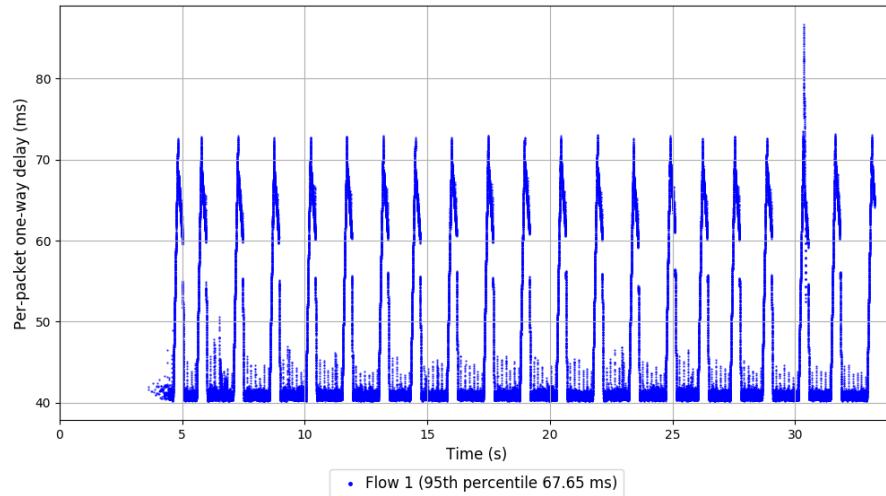
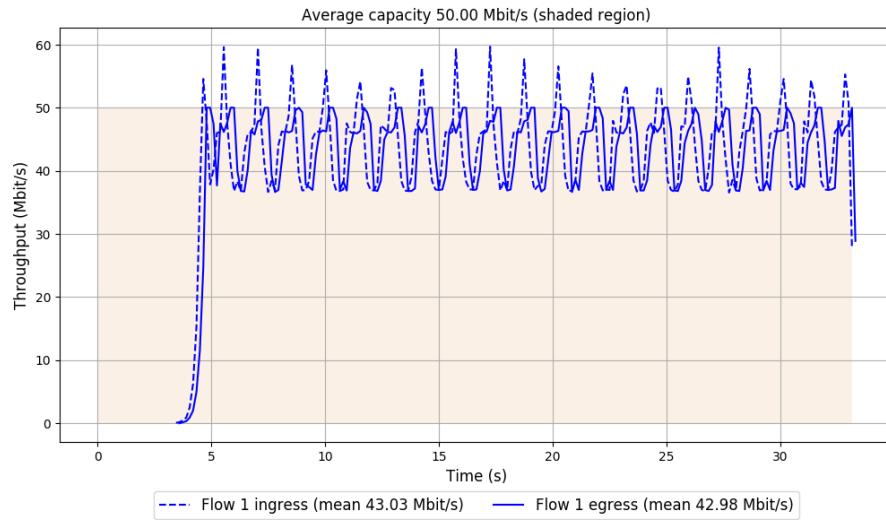
-- Flow 1:

Average throughput: 42.98 Mbit/s

95th percentile per-packet one-way delay: 67.654 ms

Loss rate: 0.25%

## Run 4: Report of Eagle-003 — Data Link

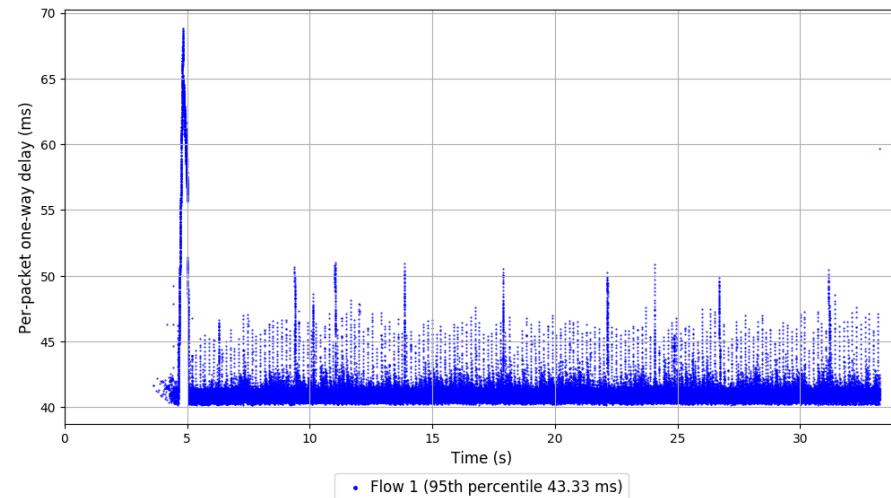
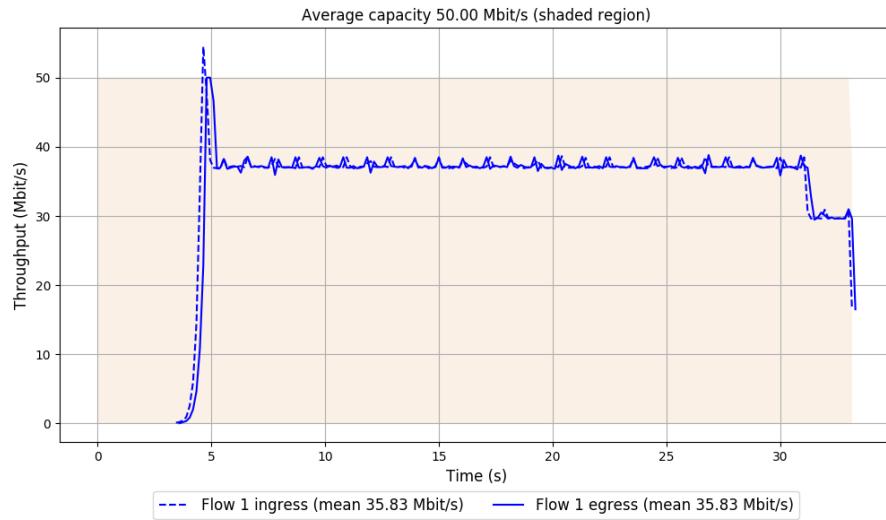


```
Run 5: Statistics of Eagle-003

Start at: 2019-10-27 05:26:15
End at: 2019-10-27 05:26:45

# Below is generated by plot.py at 2019-10-27 06:22:33
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 35.83 Mbit/s (71.7% utilization)
95th percentile per-packet one-way delay: 43.334 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 43.334 ms
Loss rate: 0.12%
```

## Run 5: Report of Eagle-003 — Data Link



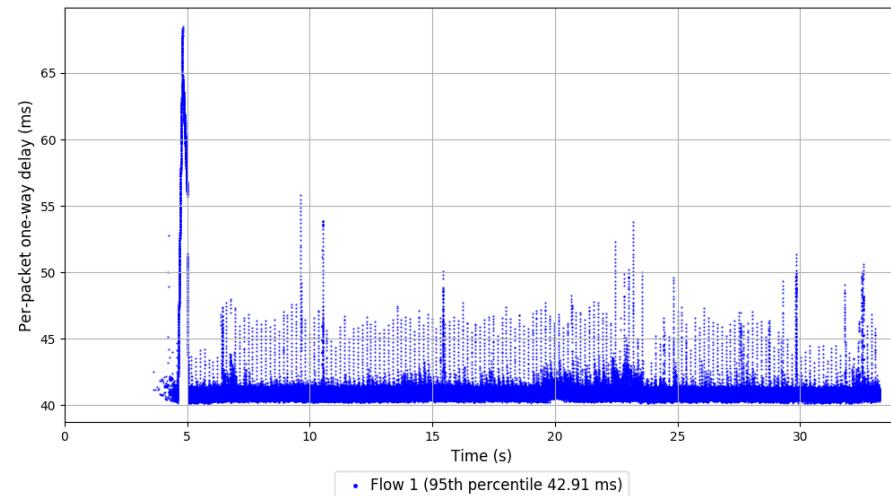
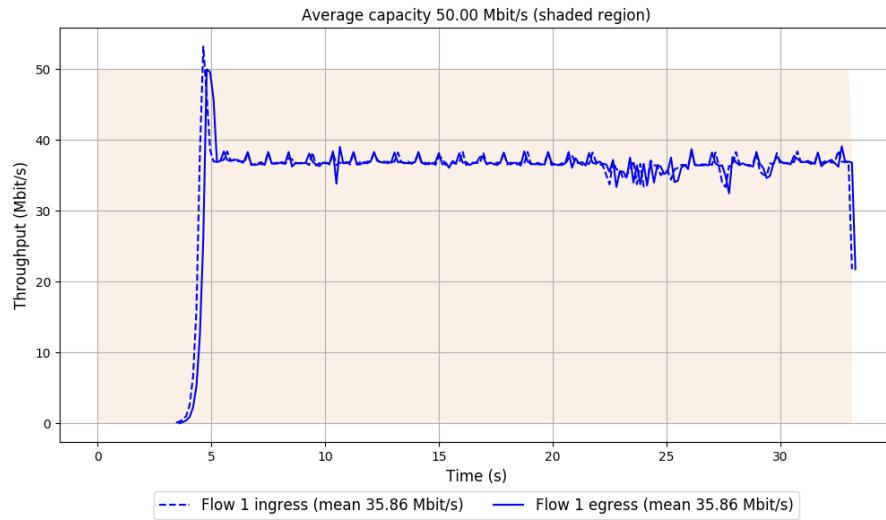
Run 6: Statistics of Eagle-003

Start at: 2019-10-27 05:32:18

End at: 2019-10-27 05:32:48

```
# Below is generated by plot.py at 2019-10-27 06:22:33
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 35.86 Mbit/s (71.7% utilization)
95th percentile per-packet one-way delay: 42.905 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 42.905 ms
Loss rate: 0.15%
```

## Run 6: Report of Eagle-003 — Data Link

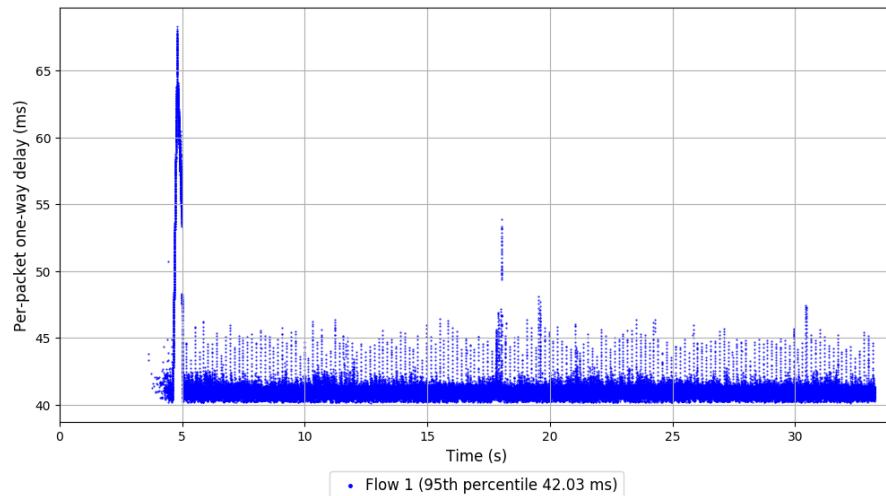
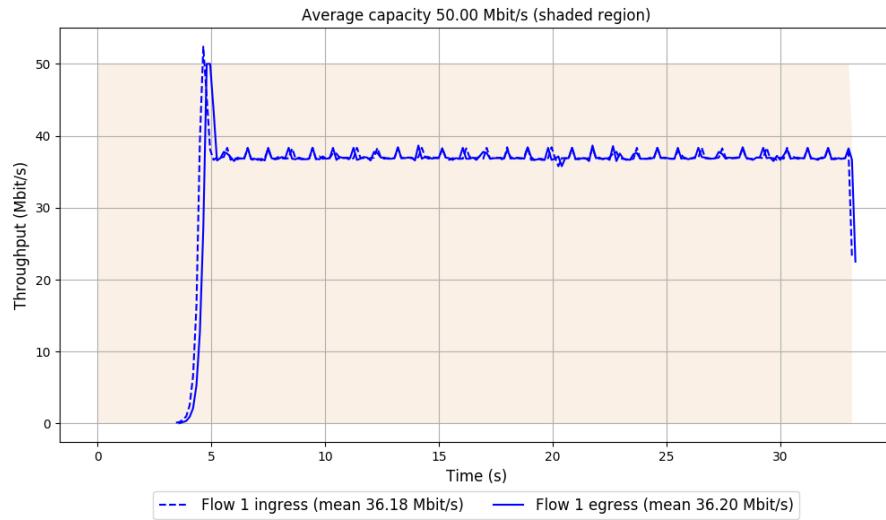


```
Run 7: Statistics of Eagle-003

Start at: 2019-10-27 05:38:23
End at: 2019-10-27 05:38:53

# Below is generated by plot.py at 2019-10-27 06:22:36
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 36.20 Mbit/s (72.4% utilization)
95th percentile per-packet one-way delay: 42.031 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 42.031 ms
Loss rate: 0.15%
```

## Run 7: Report of Eagle-003 — Data Link



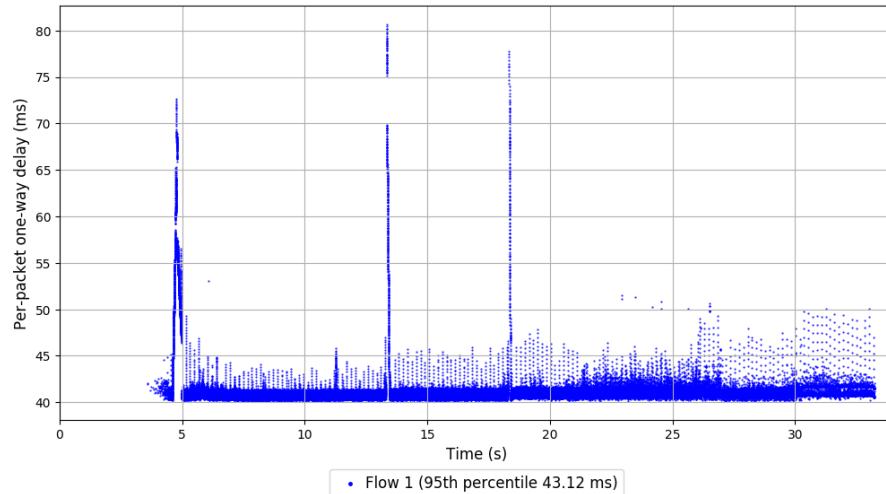
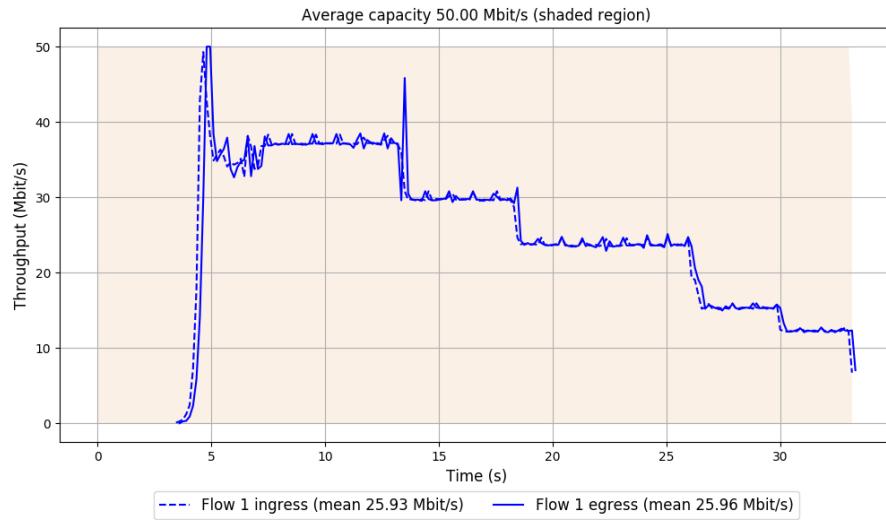
Run 8: Statistics of Eagle-003

Start at: 2019-10-27 05:44:28

End at: 2019-10-27 05:44:58

```
# Below is generated by plot.py at 2019-10-27 06:22:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 25.96 Mbit/s (51.9% utilization)
95th percentile per-packet one-way delay: 43.119 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 43.119 ms
Loss rate: 0.06%
```

## Run 8: Report of Eagle-003 — Data Link



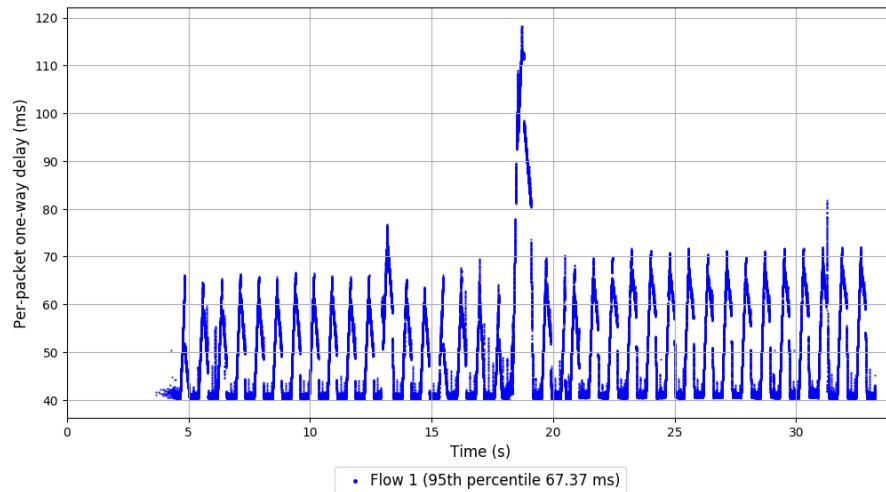
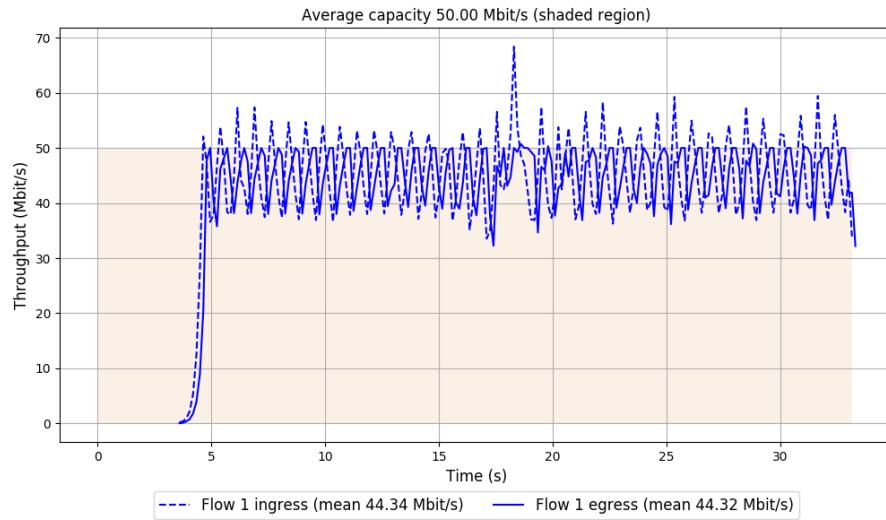
Run 9: Statistics of Eagle-003

Start at: 2019-10-27 05:50:27

End at: 2019-10-27 05:50:57

```
# Below is generated by plot.py at 2019-10-27 06:22:59
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.32 Mbit/s (88.6% utilization)
95th percentile per-packet one-way delay: 67.368 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: 67.368 ms
Loss rate: 0.23%
```

## Run 9: Report of Eagle-003 — Data Link

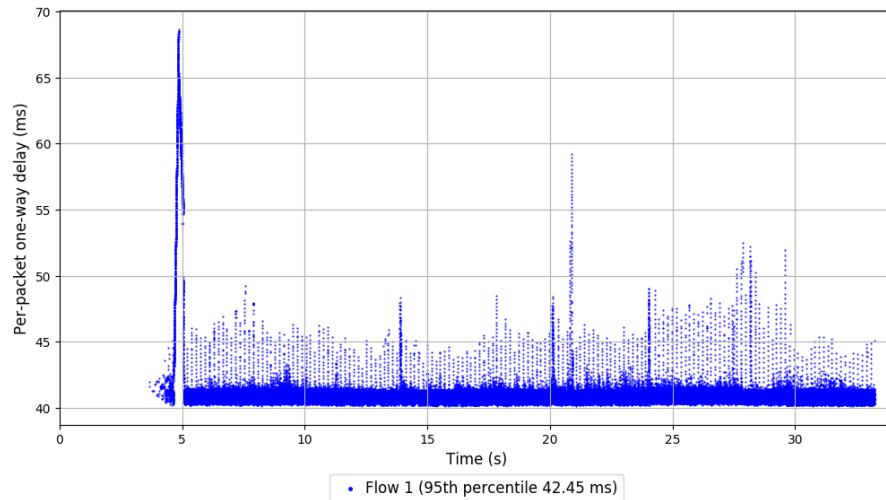
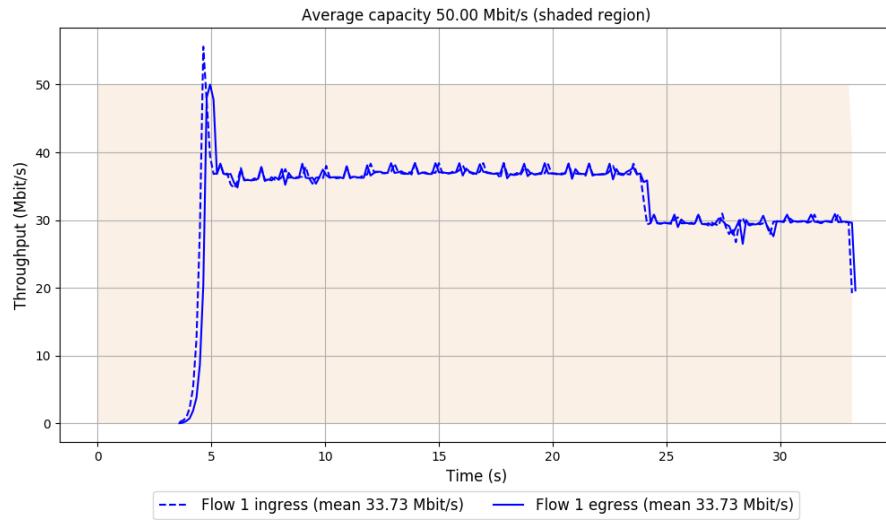


```
Run 10: Statistics of Eagle-003

Start at: 2019-10-27 05:56:32
End at: 2019-10-27 05:57:02

# Below is generated by plot.py at 2019-10-27 06:22:59
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 33.73 Mbit/s (67.5% utilization)
95th percentile per-packet one-way delay: 42.446 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 42.446 ms
Loss rate: 0.12%
```

## Run 10: Report of Eagle-003 — Data Link

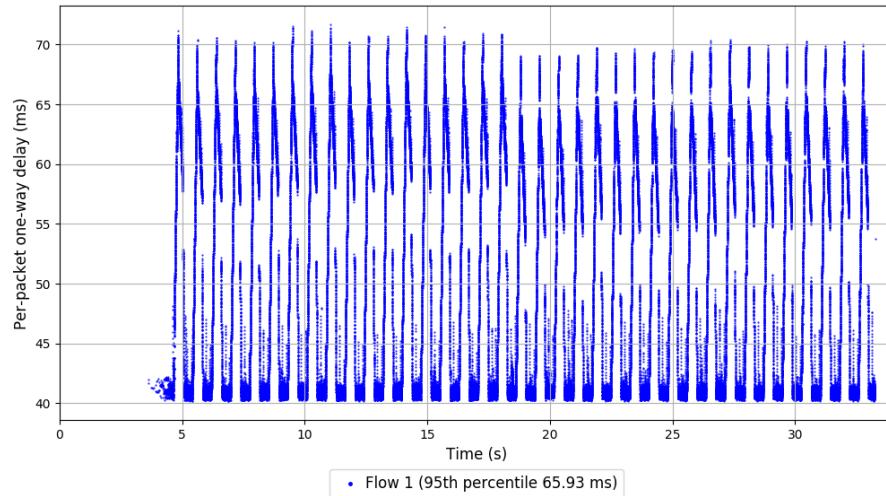
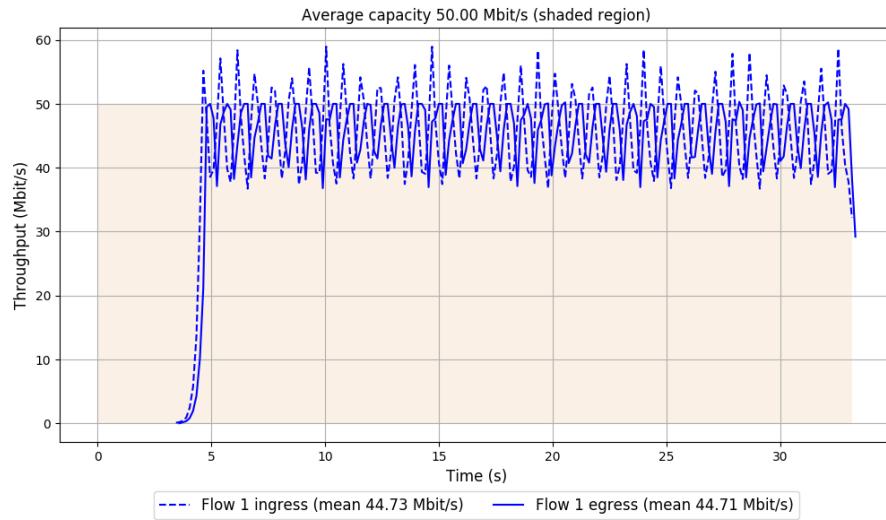


```
Run 1: Statistics of Eagle-004

Start at: 2019-10-27 05:02:41
End at: 2019-10-27 05:03:11

# Below is generated by plot.py at 2019-10-27 06:23:02
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.71 Mbit/s (89.4% utilization)
95th percentile per-packet one-way delay: 65.929 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 65.929 ms
Loss rate: 0.14%
```

## Run 1: Report of Eagle-004 — Data Link



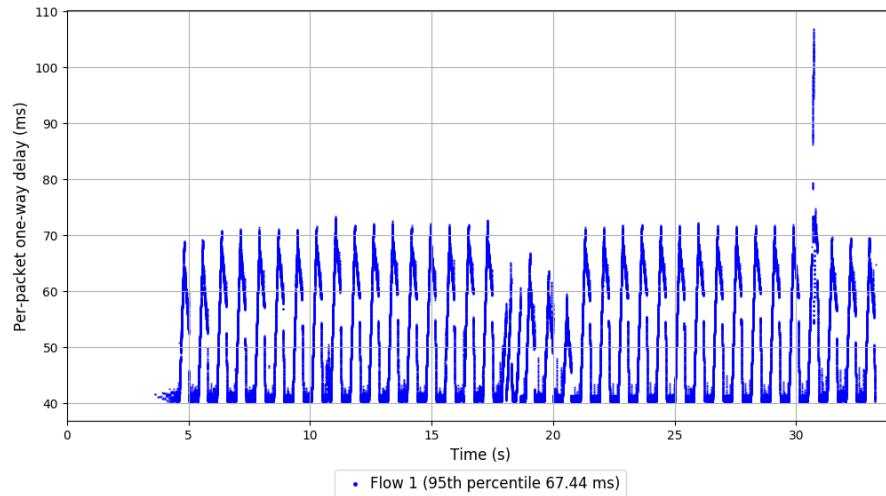
Run 2: Statistics of Eagle-004

Start at: 2019-10-27 05:08:44

End at: 2019-10-27 05:09:14

```
# Below is generated by plot.py at 2019-10-27 06:23:16
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.81 Mbit/s (89.6% utilization)
95th percentile per-packet one-way delay: 67.440 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 67.440 ms
Loss rate: 0.21%
```

## Run 2: Report of Eagle-004 — Data Link



Run 3: Statistics of Eagle-004

Start at: 2019-10-27 05:14:47

End at: 2019-10-27 05:15:17

# Below is generated by plot.py at 2019-10-27 06:23:26

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 44.74 Mbit/s (89.5% utilization)

95th percentile per-packet one-way delay: 67.562 ms

Loss rate: 0.13%

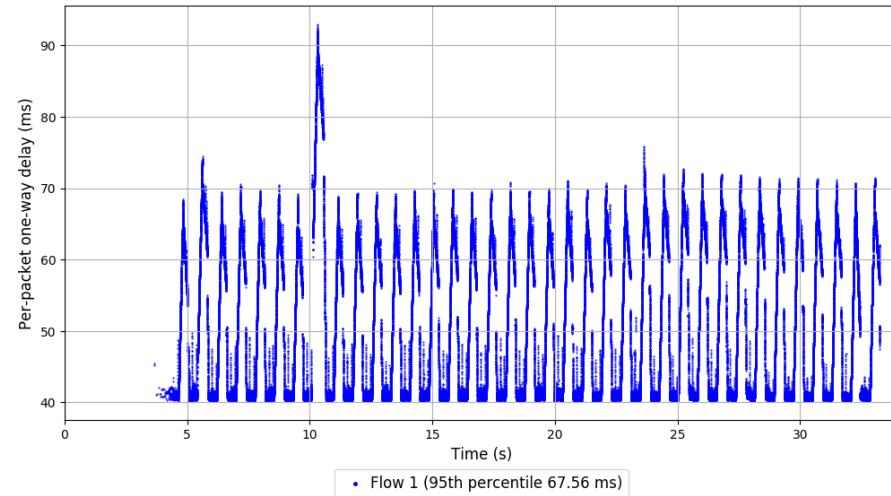
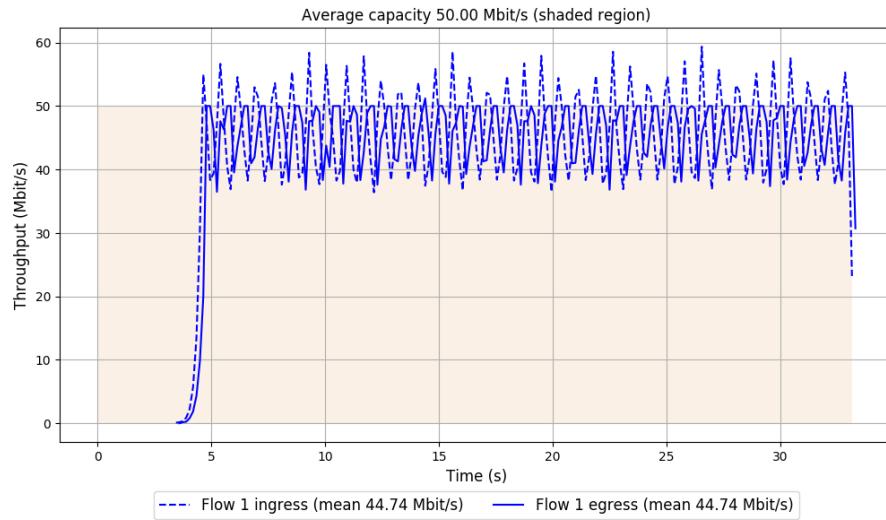
-- Flow 1:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 67.562 ms

Loss rate: 0.13%

### Run 3: Report of Eagle-004 — Data Link



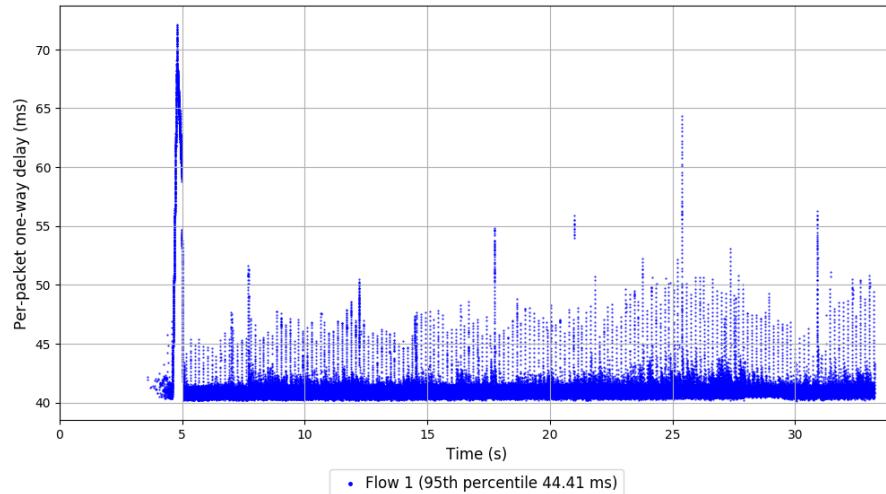
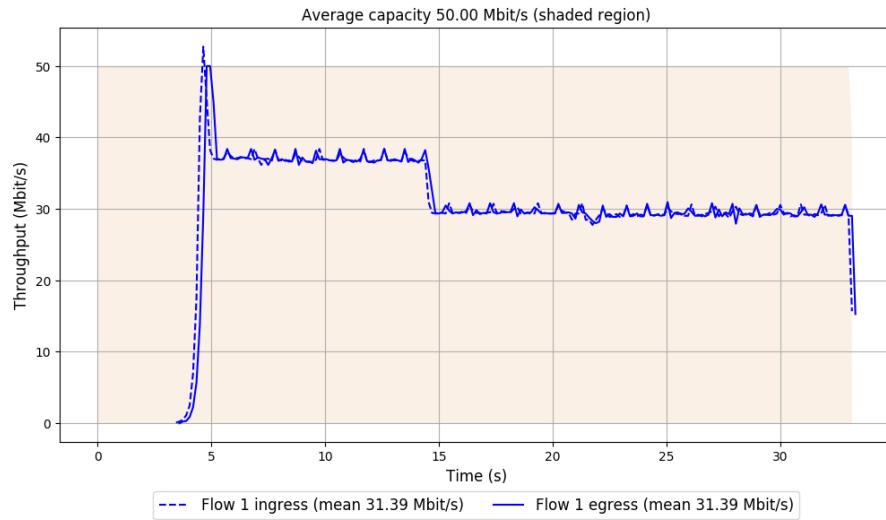
Run 4: Statistics of Eagle-004

Start at: 2019-10-27 05:20:51

End at: 2019-10-27 05:21:21

```
# Below is generated by plot.py at 2019-10-27 06:23:26
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 31.39 Mbit/s (62.8% utilization)
95th percentile per-packet one-way delay: 44.405 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 44.405 ms
Loss rate: 0.14%
```

## Run 4: Report of Eagle-004 — Data Link



Run 5: Statistics of Eagle-004

Start at: 2019-10-27 05:26:51

End at: 2019-10-27 05:27:21

# Below is generated by plot.py at 2019-10-27 06:23:29

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 35.60 Mbit/s (71.2% utilization)

95th percentile per-packet one-way delay: 43.035 ms

Loss rate: 0.12%

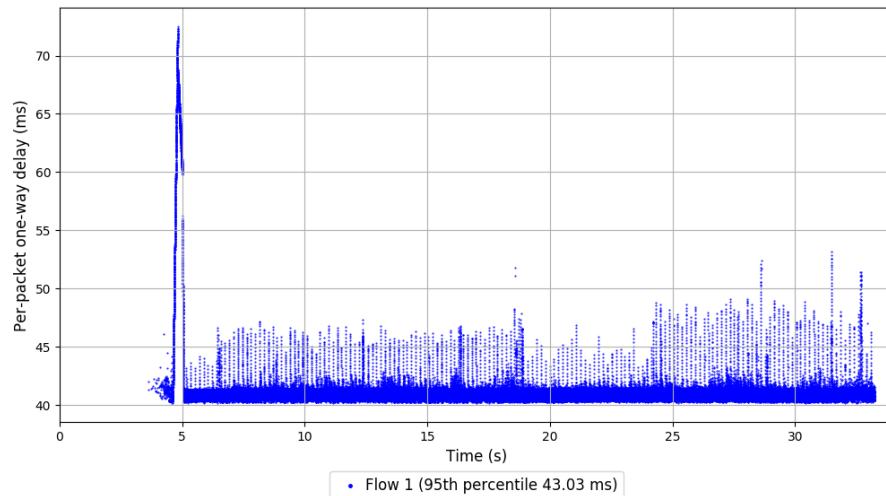
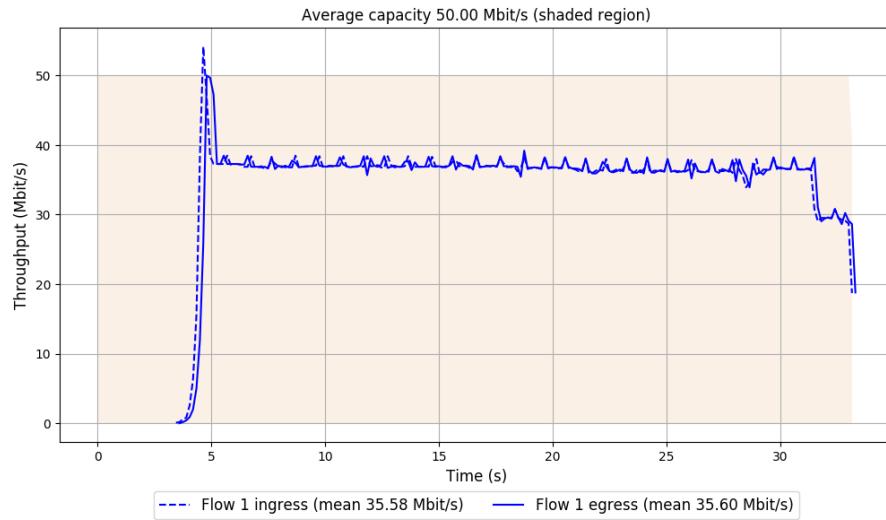
-- Flow 1:

Average throughput: 35.60 Mbit/s

95th percentile per-packet one-way delay: 43.035 ms

Loss rate: 0.12%

## Run 5: Report of Eagle-004 — Data Link



Run 6: Statistics of Eagle-004

Start at: 2019-10-27 05:32:55

End at: 2019-10-27 05:33:25

# Below is generated by plot.py at 2019-10-27 06:23:43

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 44.43 Mbit/s (88.9% utilization)

95th percentile per-packet one-way delay: 64.569 ms

Loss rate: 0.27%

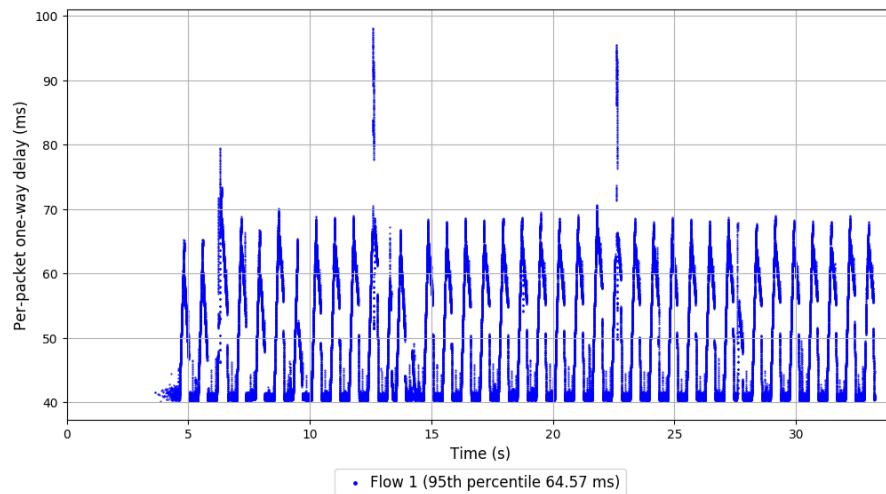
-- Flow 1:

Average throughput: 44.43 Mbit/s

95th percentile per-packet one-way delay: 64.569 ms

Loss rate: 0.27%

## Run 6: Report of Eagle-004 — Data Link



Run 7: Statistics of Eagle-004

Start at: 2019-10-27 05:38:59

End at: 2019-10-27 05:39:29

# Below is generated by plot.py at 2019-10-27 06:23:50

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 44.50 Mbit/s (89.0% utilization)

95th percentile per-packet one-way delay: 66.144 ms

Loss rate: 0.12%

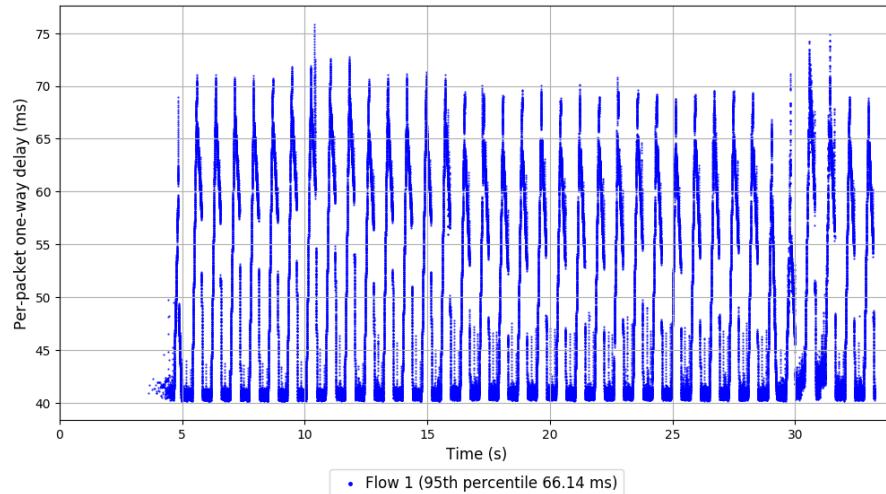
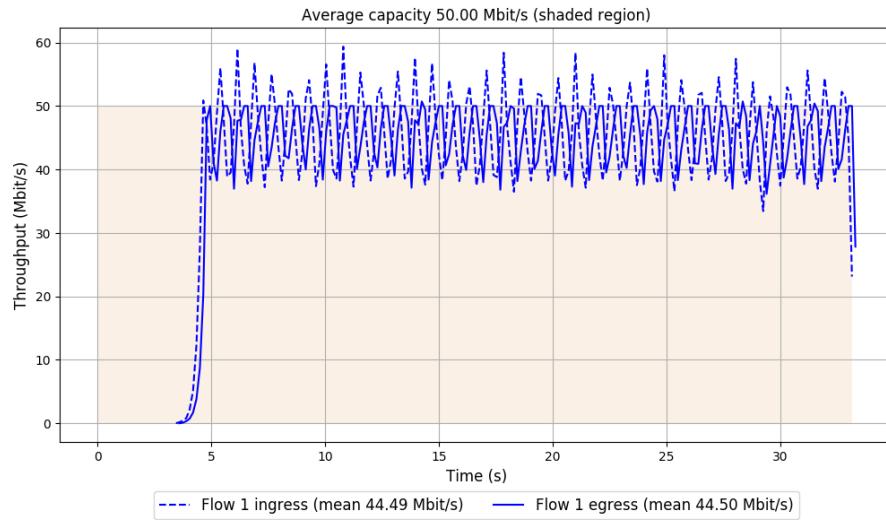
-- Flow 1:

Average throughput: 44.50 Mbit/s

95th percentile per-packet one-way delay: 66.144 ms

Loss rate: 0.12%

## Run 7: Report of Eagle-004 — Data Link



Run 8: Statistics of Eagle-004

Start at: 2019-10-27 05:45:03

End at: 2019-10-27 05:45:33

# Below is generated by plot.py at 2019-10-27 06:23:50

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 31.09 Mbit/s (62.2% utilization)

95th percentile per-packet one-way delay: 42.665 ms

Loss rate: 0.13%

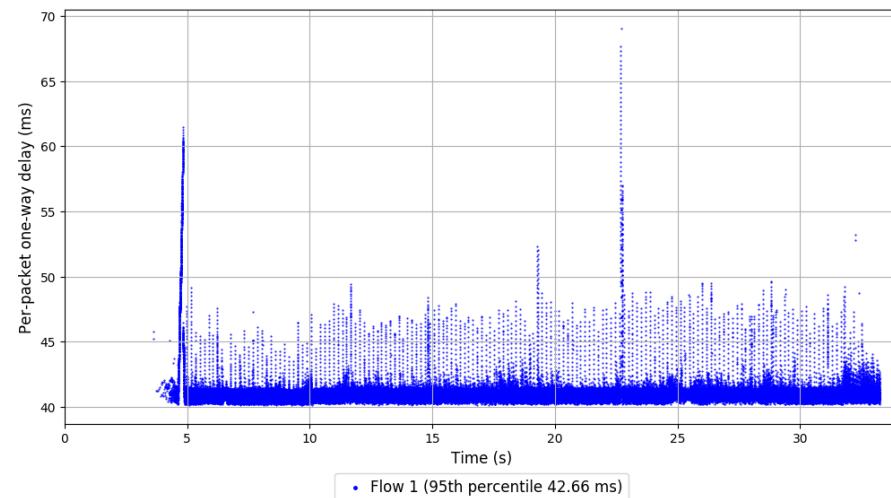
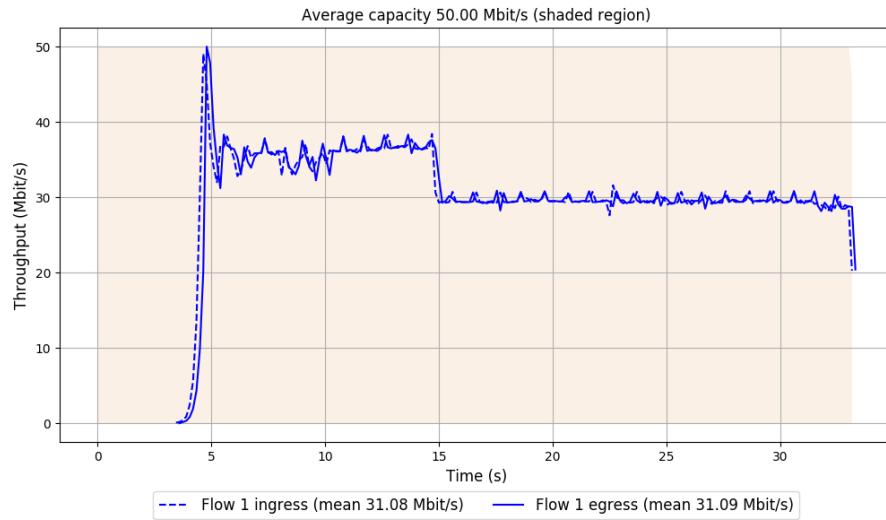
-- Flow 1:

Average throughput: 31.09 Mbit/s

95th percentile per-packet one-way delay: 42.665 ms

Loss rate: 0.13%

## Run 8: Report of Eagle-004 — Data Link



Run 9: Statistics of Eagle-004

Start at: 2019-10-27 05:51:04

End at: 2019-10-27 05:51:34

# Below is generated by plot.py at 2019-10-27 06:24:02

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 44.12 Mbit/s (88.2% utilization)

95th percentile per-packet one-way delay: 64.852 ms

Loss rate: 0.21%

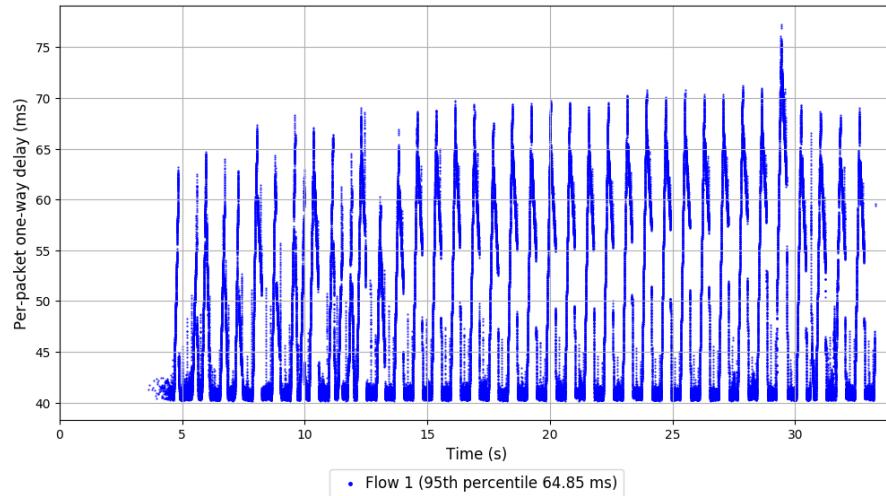
-- Flow 1:

Average throughput: 44.12 Mbit/s

95th percentile per-packet one-way delay: 64.852 ms

Loss rate: 0.21%

## Run 9: Report of Eagle-004 — Data Link

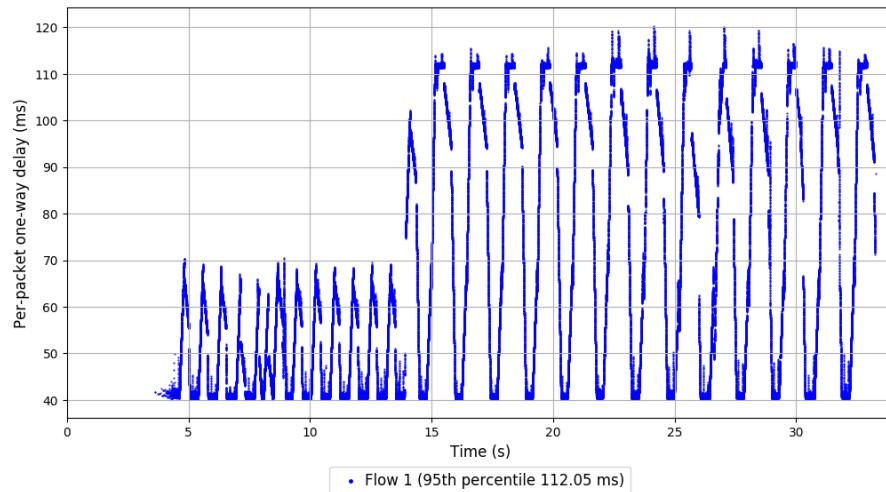
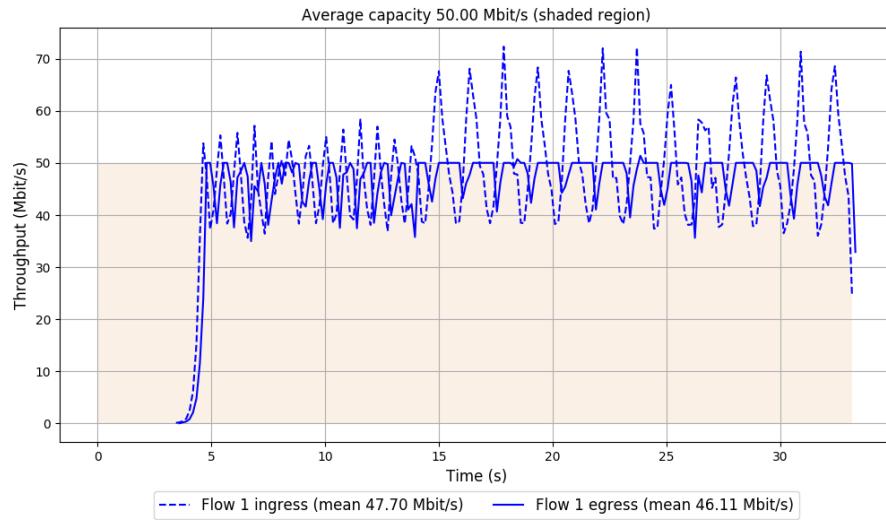


```
Run 10: Statistics of Eagle-004

Start at: 2019-10-27 05:57:08
End at: 2019-10-27 05:57:38

# Below is generated by plot.py at 2019-10-27 06:24:16
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 46.11 Mbit/s (92.2% utilization)
95th percentile per-packet one-way delay: 112.048 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 112.048 ms
Loss rate: 3.46%
```

## Run 10: Report of Eagle-004 — Data Link

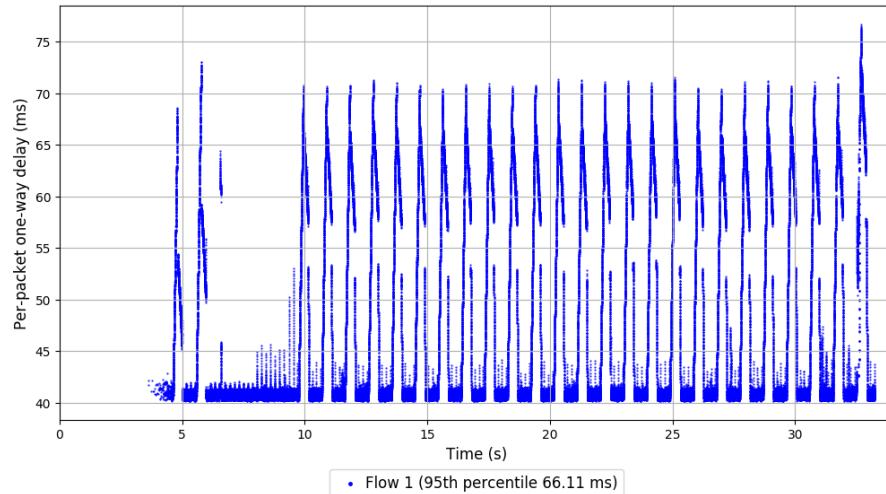
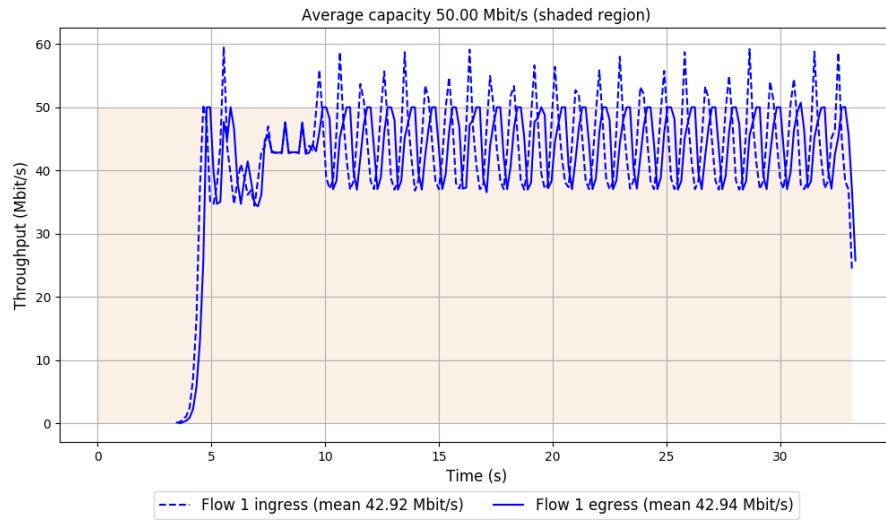


```
Run 1: Statistics of Eagle-005

Start at: 2019-10-27 05:03:18
End at: 2019-10-27 05:03:48

# Below is generated by plot.py at 2019-10-27 06:24:16
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 42.94 Mbit/s (85.9% utilization)
95th percentile per-packet one-way delay: 66.105 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 42.94 Mbit/s
95th percentile per-packet one-way delay: 66.105 ms
Loss rate: 0.10%
```

## Run 1: Report of Eagle-005 — Data Link



Run 2: Statistics of Eagle-005

Start at: 2019-10-27 05:09:21

End at: 2019-10-27 05:09:51

# Below is generated by plot.py at 2019-10-27 06:24:20

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 44.41 Mbit/s (88.8% utilization)

95th percentile per-packet one-way delay: 66.443 ms

Loss rate: 0.12%

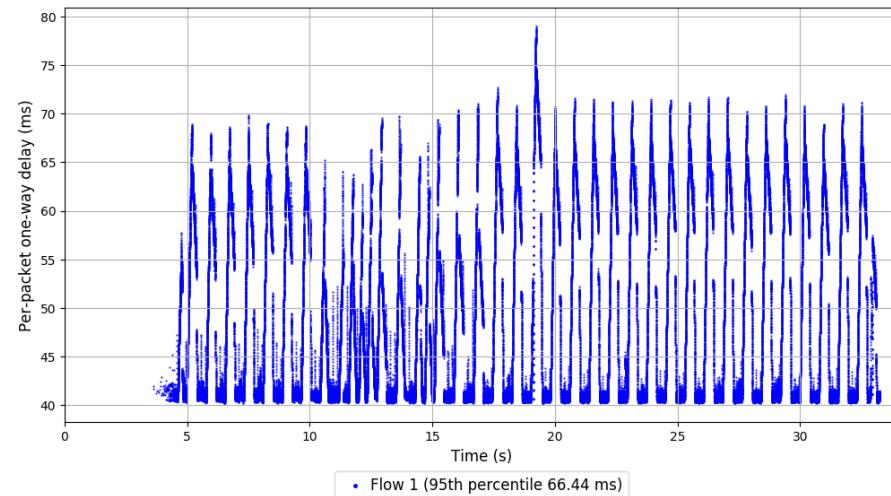
-- Flow 1:

Average throughput: 44.41 Mbit/s

95th percentile per-packet one-way delay: 66.443 ms

Loss rate: 0.12%

## Run 2: Report of Eagle-005 — Data Link



Run 3: Statistics of Eagle-005

Start at: 2019-10-27 05:15:24

End at: 2019-10-27 05:15:54

# Below is generated by plot.py at 2019-10-27 06:24:35

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 45.01 Mbit/s (90.0% utilization)

95th percentile per-packet one-way delay: 66.973 ms

Loss rate: 0.12%

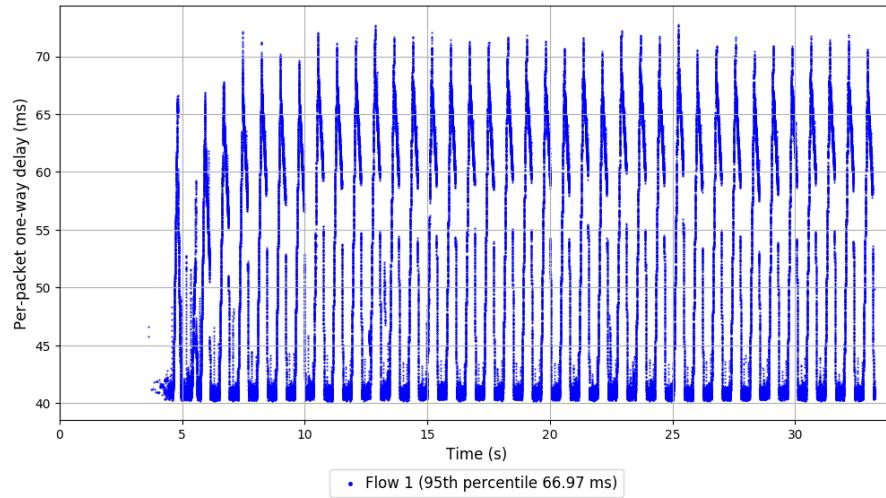
-- Flow 1:

Average throughput: 45.01 Mbit/s

95th percentile per-packet one-way delay: 66.973 ms

Loss rate: 0.12%

### Run 3: Report of Eagle-005 — Data Link



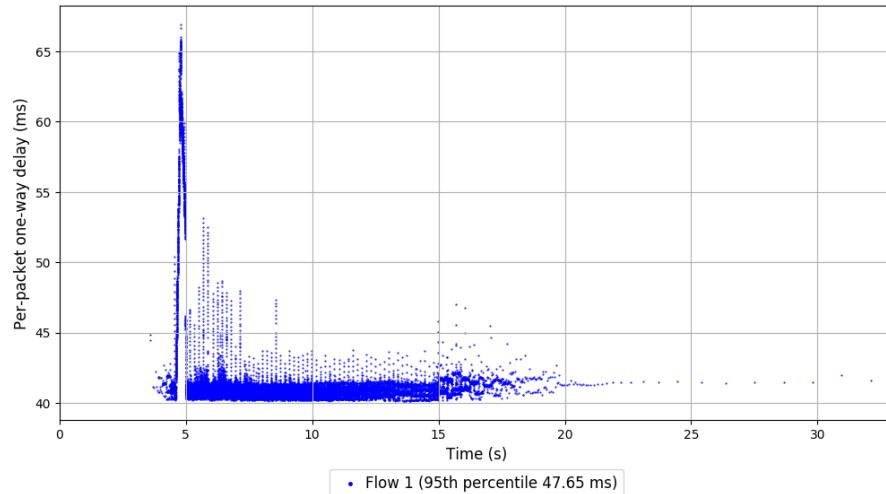
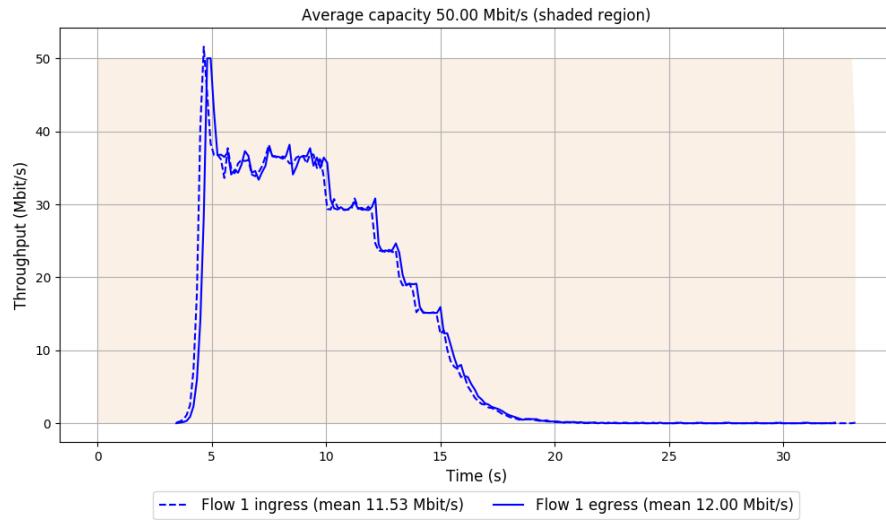
Run 4: Statistics of Eagle-005

Start at: 2019-10-27 05:21:27

End at: 2019-10-27 05:21:57

```
# Below is generated by plot.py at 2019-10-27 06:24:35
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 12.00 Mbit/s (24.0% utilization)
95th percentile per-packet one-way delay: 47.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 47.653 ms
Loss rate: 0.00%
```

## Run 4: Report of Eagle-005 — Data Link



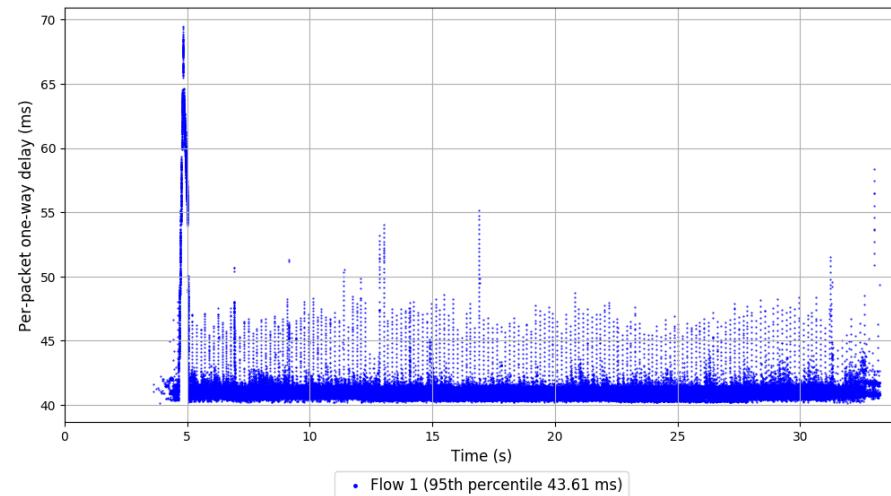
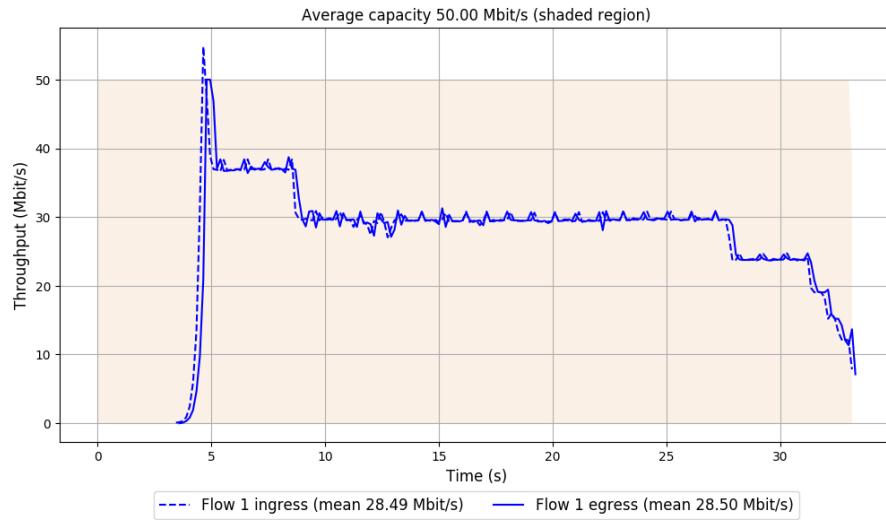
Run 5: Statistics of Eagle-005

Start at: 2019-10-27 05:27:27

End at: 2019-10-27 05:27:57

```
# Below is generated by plot.py at 2019-10-27 06:24:39
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 28.50 Mbit/s (57.0% utilization)
95th percentile per-packet one-way delay: 43.612 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 43.612 ms
Loss rate: 0.06%
```

## Run 5: Report of Eagle-005 — Data Link



Run 6: Statistics of Eagle-005

Start at: 2019-10-27 05:33:31

End at: 2019-10-27 05:34:01

# Below is generated by plot.py at 2019-10-27 06:24:51

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 44.37 Mbit/s (88.7% utilization)

95th percentile per-packet one-way delay: 65.316 ms

Loss rate: 0.23%

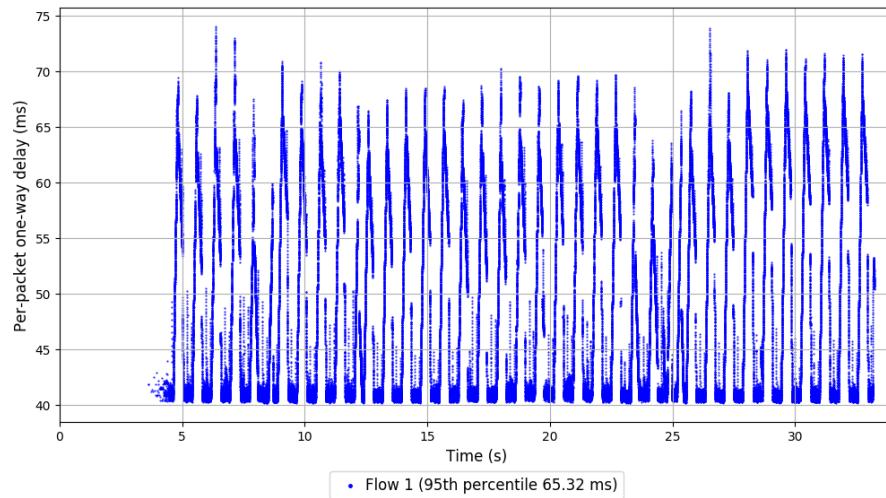
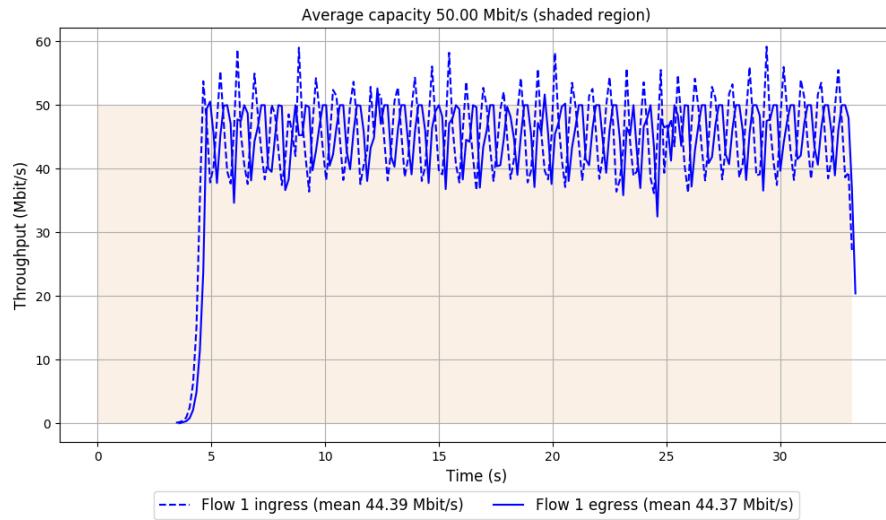
-- Flow 1:

Average throughput: 44.37 Mbit/s

95th percentile per-packet one-way delay: 65.316 ms

Loss rate: 0.23%

## Run 6: Report of Eagle-005 — Data Link



Run 7: Statistics of Eagle-005

Start at: 2019-10-27 05:39:36

End at: 2019-10-27 05:40:06

# Below is generated by plot.py at 2019-10-27 06:24:53

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 43.81 Mbit/s (87.6% utilization)

95th percentile per-packet one-way delay: 61.636 ms

Loss rate: 0.21%

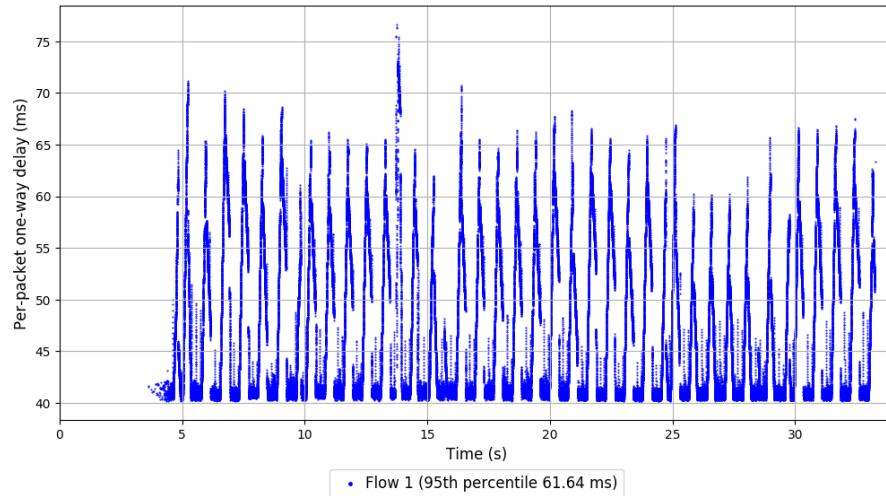
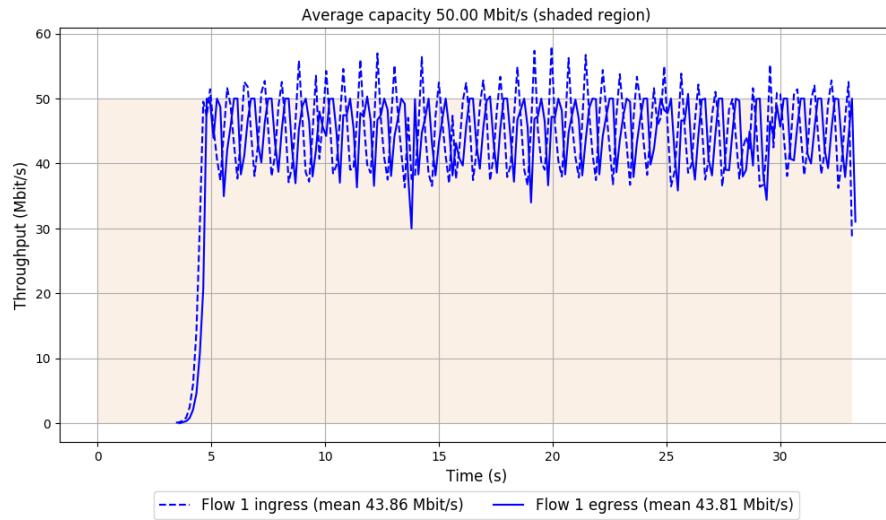
-- Flow 1:

Average throughput: 43.81 Mbit/s

95th percentile per-packet one-way delay: 61.636 ms

Loss rate: 0.21%

## Run 7: Report of Eagle-005 — Data Link



Run 8: Statistics of Eagle-005

Start at: 2019-10-27 05:45:39

End at: 2019-10-27 05:46:09

# Below is generated by plot.py at 2019-10-27 06:24:53

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 6.18 Mbit/s (12.4% utilization)

95th percentile per-packet one-way delay: 54.481 ms

Loss rate: 0.00%

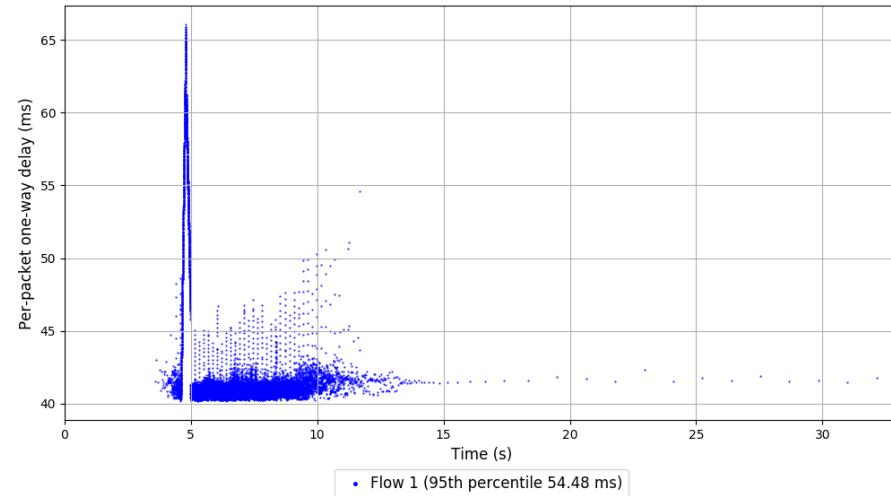
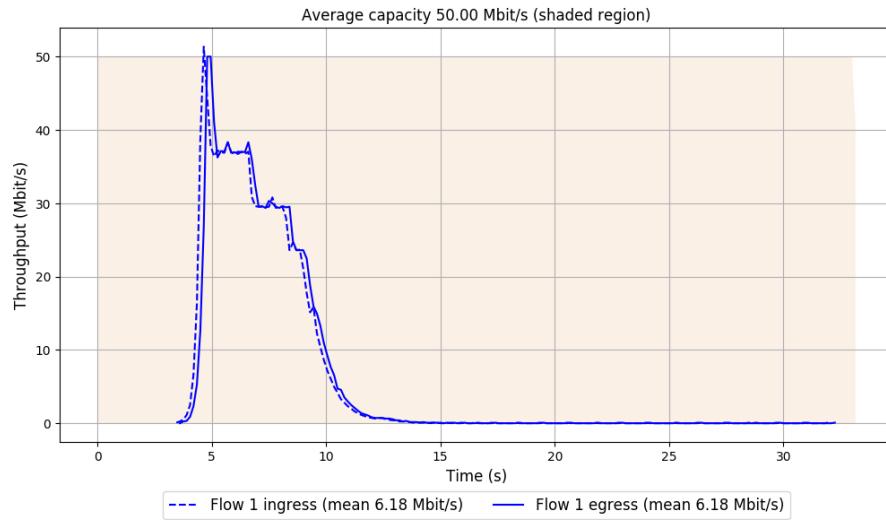
-- Flow 1:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 54.481 ms

Loss rate: 0.00%

## Run 8: Report of Eagle-005 — Data Link



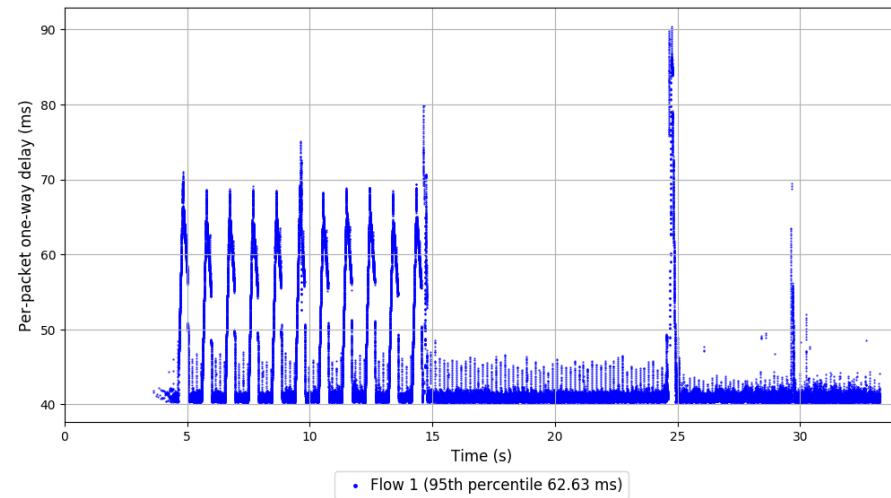
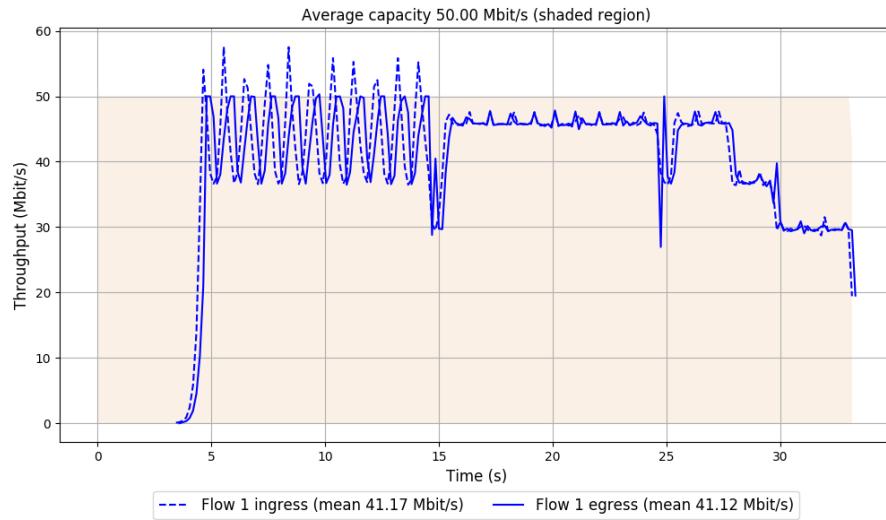
Run 9: Statistics of Eagle-005

Start at: 2019-10-27 05:51:40

End at: 2019-10-27 05:52:10

```
# Below is generated by plot.py at 2019-10-27 06:25:08
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 41.12 Mbit/s (82.2% utilization)
95th percentile per-packet one-way delay: 62.633 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 62.633 ms
Loss rate: 0.24%
```

## Run 9: Report of Eagle-005 — Data Link

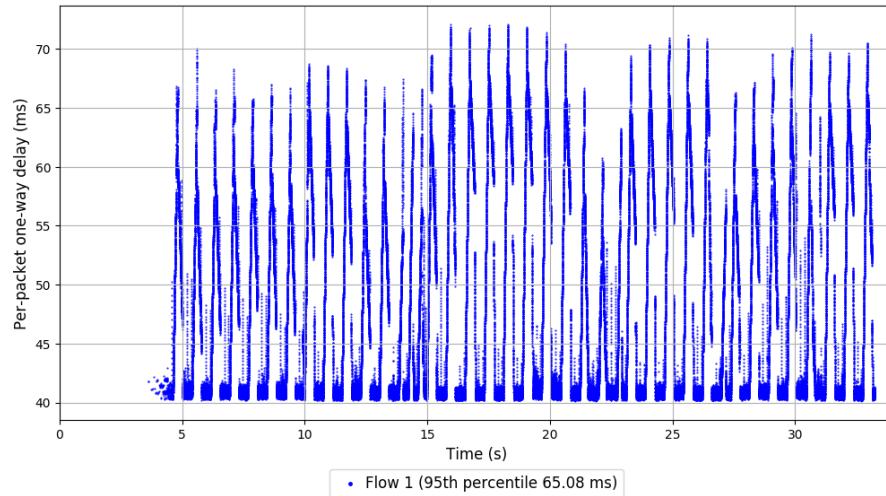
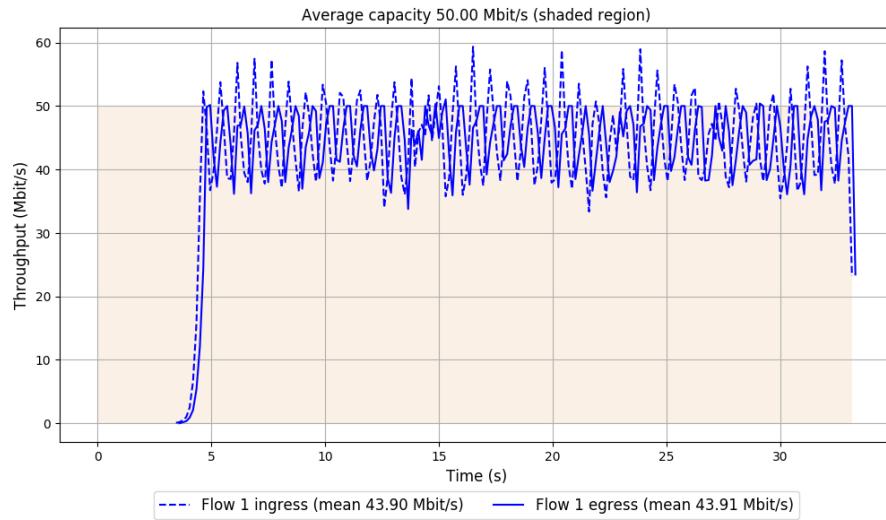


```
Run 10: Statistics of Eagle-005

Start at: 2019-10-27 05:57:45
End at: 2019-10-27 05:58:15

# Below is generated by plot.py at 2019-10-27 06:25:12
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 43.91 Mbit/s (87.8% utilization)
95th percentile per-packet one-way delay: 65.076 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 43.91 Mbit/s
95th percentile per-packet one-way delay: 65.076 ms
Loss rate: 0.12%
```

## Run 10: Report of Eagle-005 — Data Link

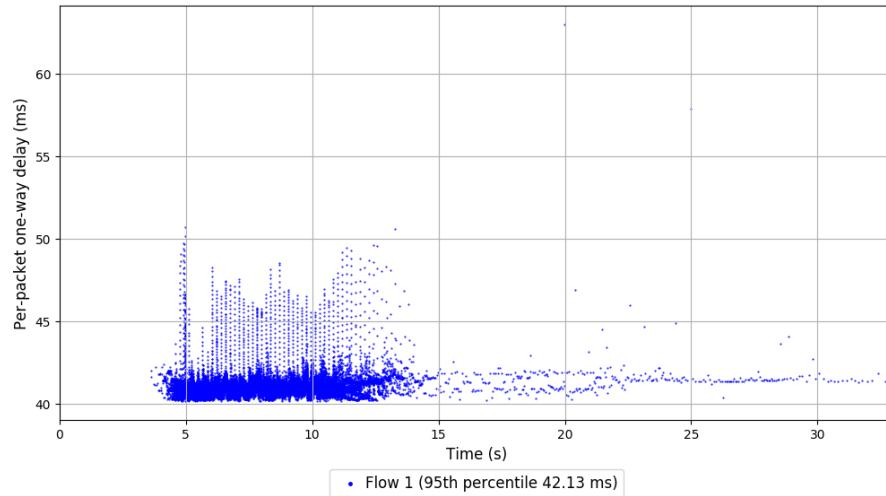
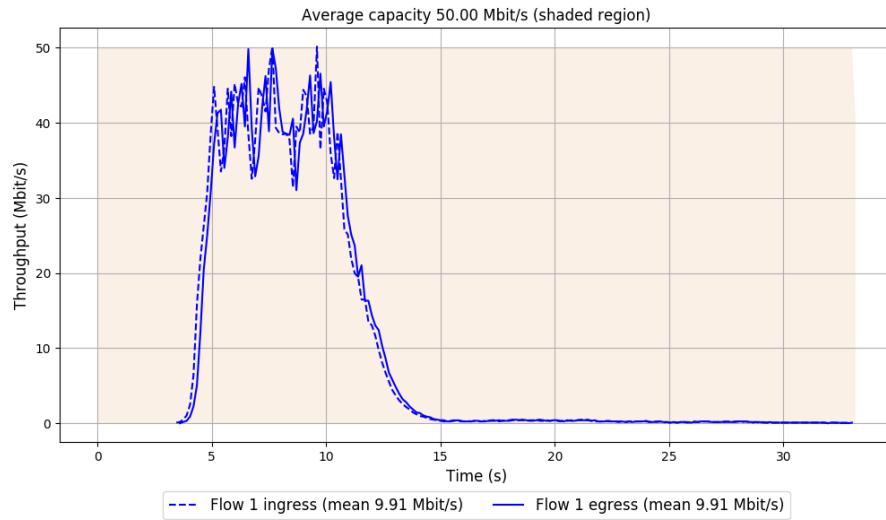


```
Run 1: Statistics of Eagle-006

Start at: 2019-10-27 05:03:54
End at: 2019-10-27 05:04:24

# Below is generated by plot.py at 2019-10-27 06:25:12
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 9.91 Mbit/s (19.8% utilization)
95th percentile per-packet one-way delay: 42.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 42.128 ms
Loss rate: 0.00%
```

Run 1: Report of Eagle-006 — Data Link



Run 2: Statistics of Eagle-006

Start at: 2019-10-27 05:09:57

End at: 2019-10-27 05:10:27

# Below is generated by plot.py at 2019-10-27 06:25:12

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 0.47 Mbit/s (0.9% utilization)

95th percentile per-packet one-way delay: 42.493 ms

Loss rate: 0.00%

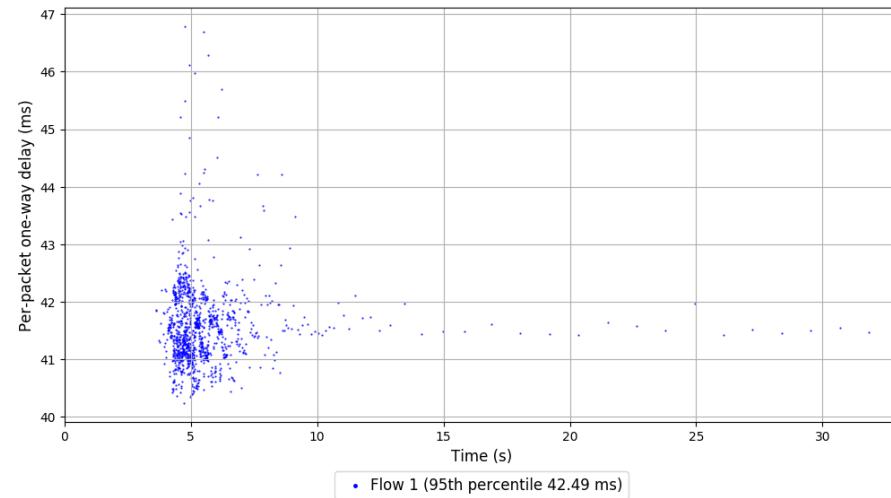
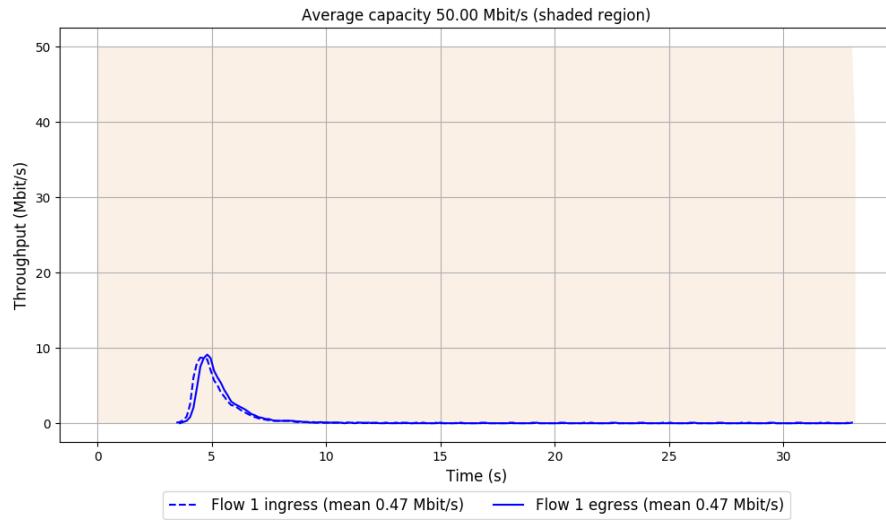
-- Flow 1:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 42.493 ms

Loss rate: 0.00%

## Run 2: Report of Eagle-006 — Data Link



Run 3: Statistics of Eagle-006

Start at: 2019-10-27 05:16:01

End at: 2019-10-27 05:16:31

# Below is generated by plot.py at 2019-10-27 06:25:12

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 1.06 Mbit/s (2.1% utilization)

95th percentile per-packet one-way delay: 42.271 ms

Loss rate: 0.00%

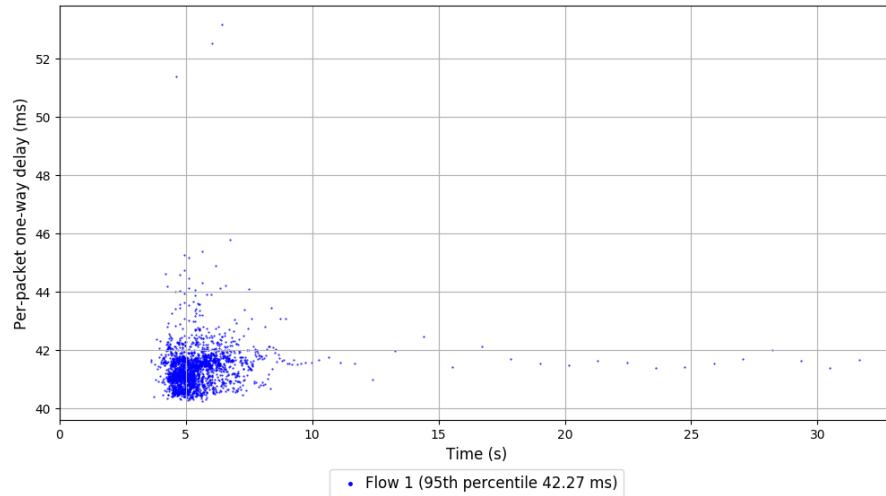
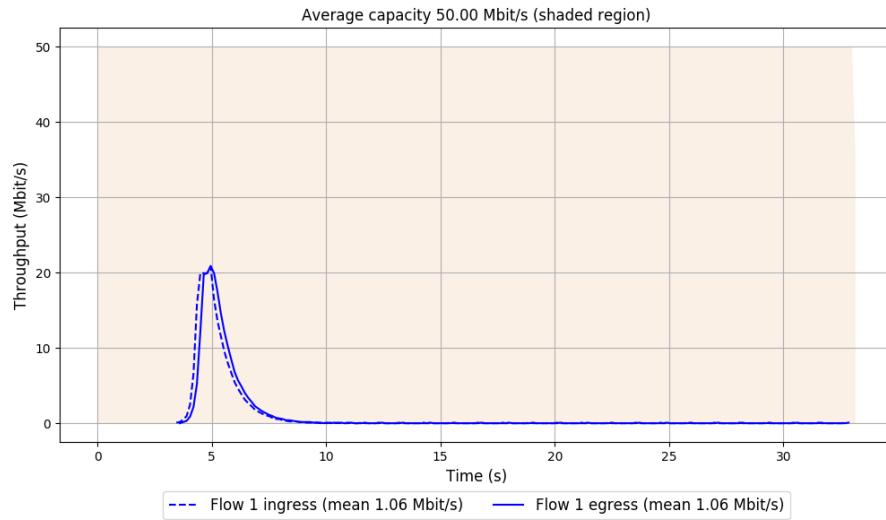
-- Flow 1:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 42.271 ms

Loss rate: 0.00%

### Run 3: Report of Eagle-006 — Data Link



Run 4: Statistics of Eagle-006

Start at: 2019-10-27 05:22:02

End at: 2019-10-27 05:22:32

# Below is generated by plot.py at 2019-10-27 06:25:12

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 1.79 Mbit/s (3.6% utilization)

95th percentile per-packet one-way delay: 42.222 ms

Loss rate: 0.00%

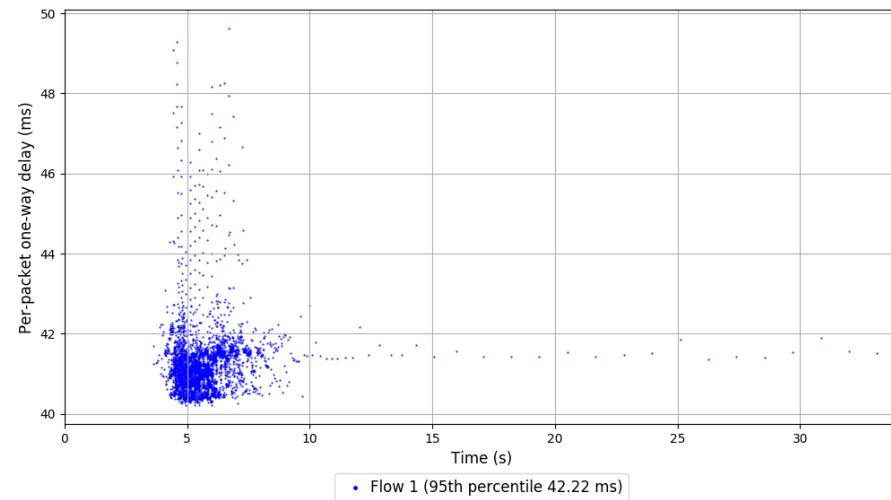
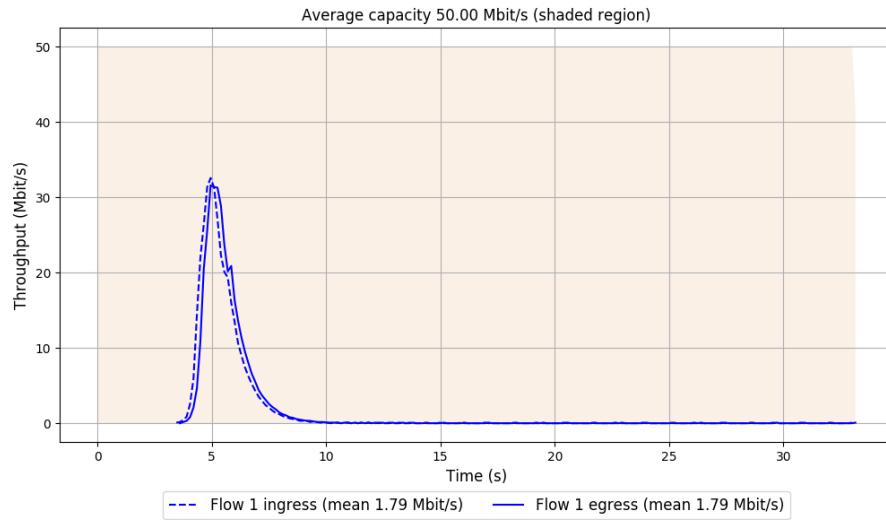
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 42.222 ms

Loss rate: 0.00%

## Run 4: Report of Eagle-006 — Data Link

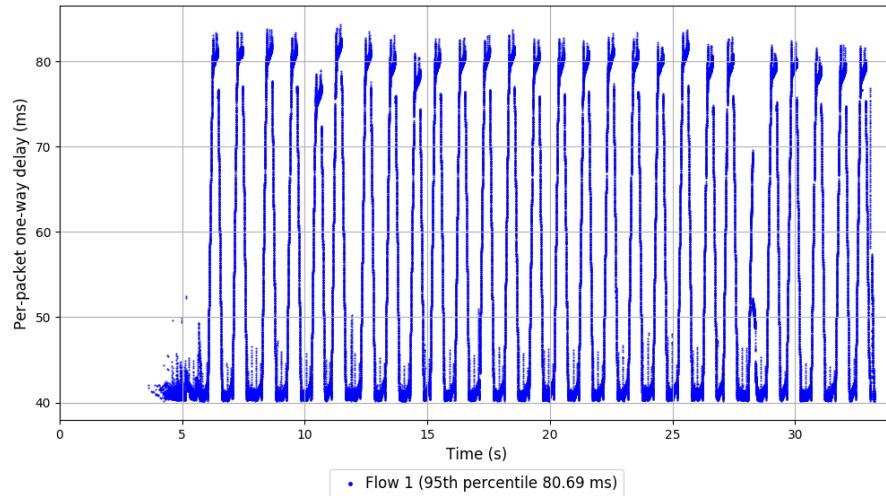


```
Run 5: Statistics of Eagle-006

Start at: 2019-10-27 05:28:03
End at: 2019-10-27 05:28:33

# Below is generated by plot.py at 2019-10-27 06:25:34
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 45.11 Mbit/s (90.2% utilization)
95th percentile per-packet one-way delay: 80.685 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 80.685 ms
Loss rate: 0.16%
```

Run 5: Report of Eagle-006 — Data Link

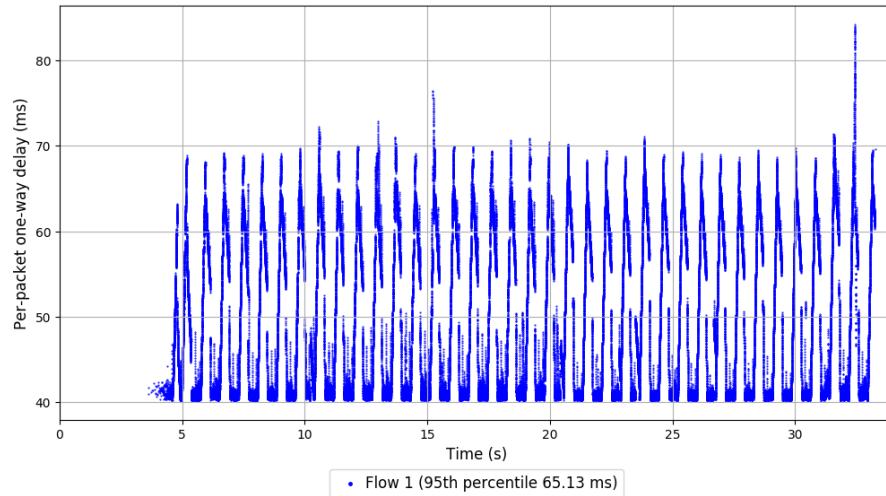
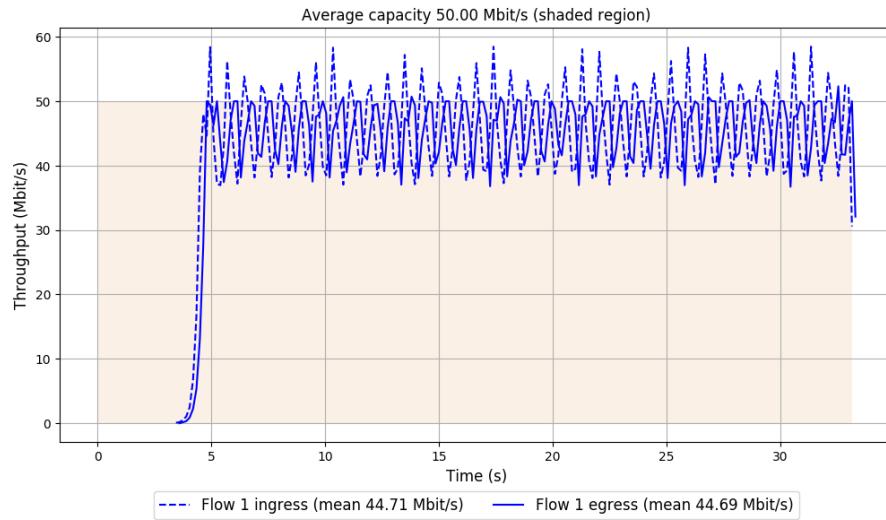


```
Run 6: Statistics of Eagle-006

Start at: 2019-10-27 05:34:08
End at: 2019-10-27 05:34:38

# Below is generated by plot.py at 2019-10-27 06:25:40
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.69 Mbit/s (89.4% utilization)
95th percentile per-packet one-way delay: 65.128 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 65.128 ms
Loss rate: 0.23%
```

## Run 6: Report of Eagle-006 — Data Link



Run 7: Statistics of Eagle-006

Start at: 2019-10-27 05:40:12

End at: 2019-10-27 05:40:42

# Below is generated by plot.py at 2019-10-27 06:25:41

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 46.19 Mbit/s (92.4% utilization)

95th percentile per-packet one-way delay: 79.156 ms

Loss rate: 0.32%

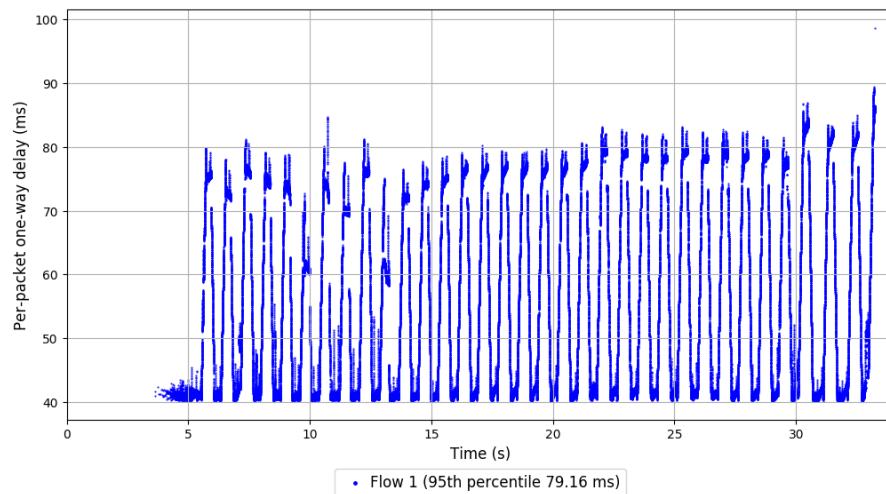
-- Flow 1:

Average throughput: 46.19 Mbit/s

95th percentile per-packet one-way delay: 79.156 ms

Loss rate: 0.32%

## Run 7: Report of Eagle-006 — Data Link



Run 8: Statistics of Eagle-006

Start at: 2019-10-27 05:46:14

End at: 2019-10-27 05:46:44

# Below is generated by plot.py at 2019-10-27 06:25:41

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 0.34 Mbit/s (0.7% utilization)

95th percentile per-packet one-way delay: 42.229 ms

Loss rate: 0.00%

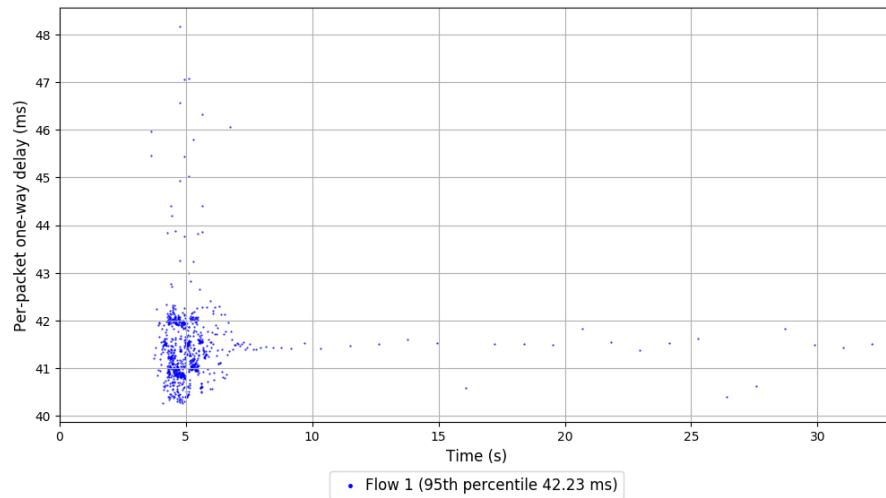
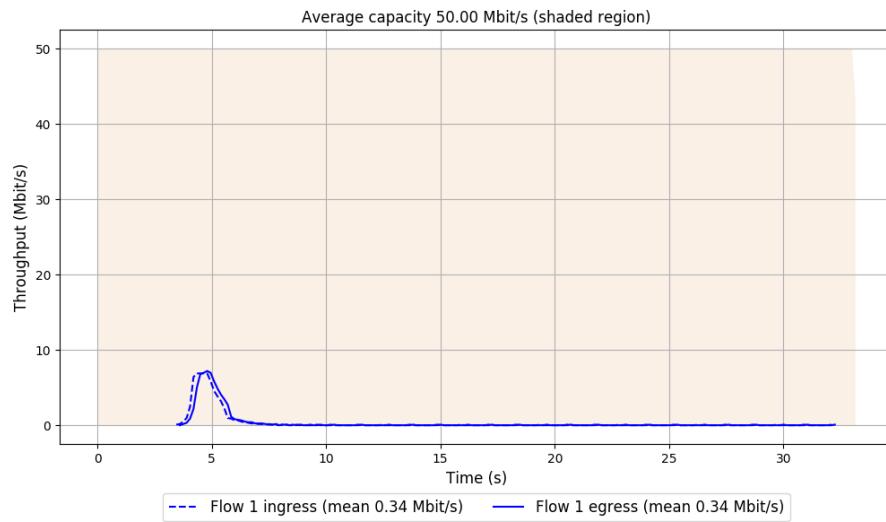
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 42.229 ms

Loss rate: 0.00%

## Run 8: Report of Eagle-006 — Data Link



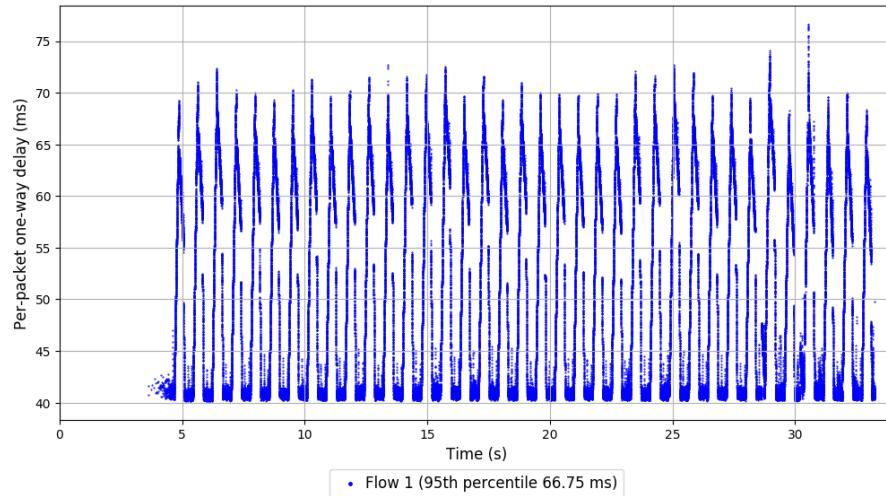
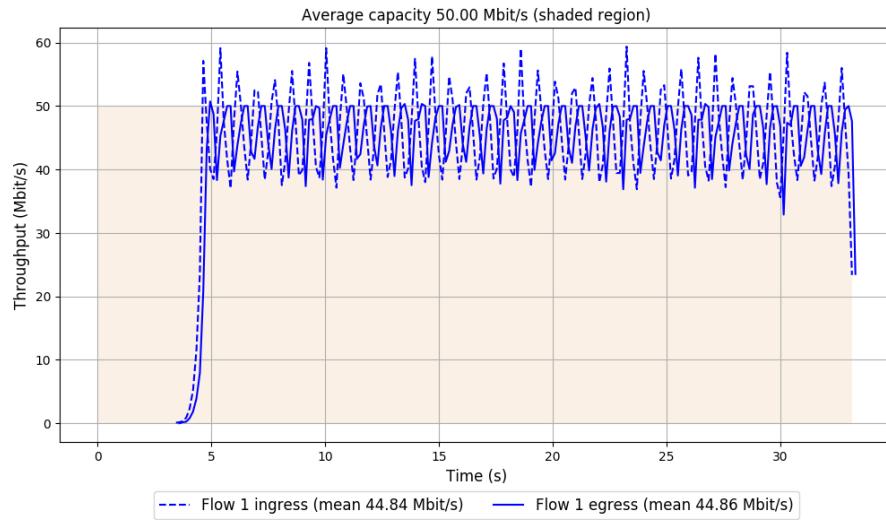
Run 9: Statistics of Eagle-006

Start at: 2019-10-27 05:52:17

End at: 2019-10-27 05:52:47

```
# Below is generated by plot.py at 2019-10-27 06:25:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 44.86 Mbit/s (89.7% utilization)
95th percentile per-packet one-way delay: 66.755 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 66.755 ms
Loss rate: 0.12%
```

Run 9: Report of Eagle-006 — Data Link

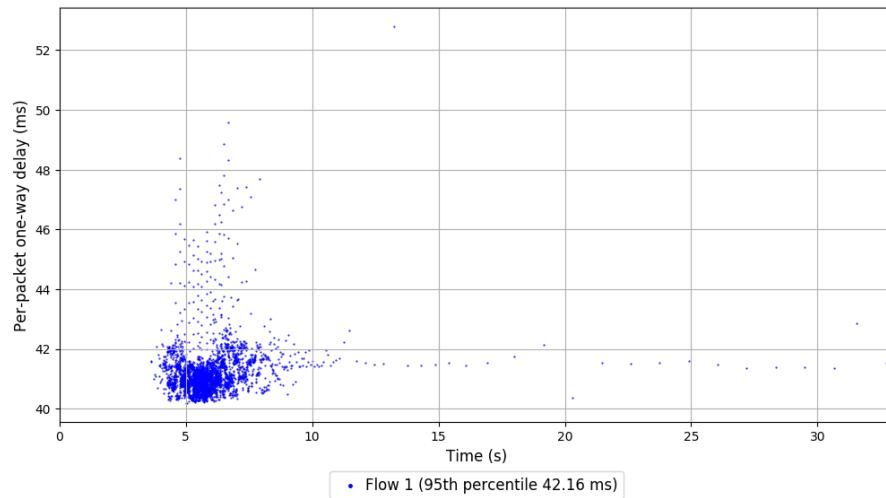
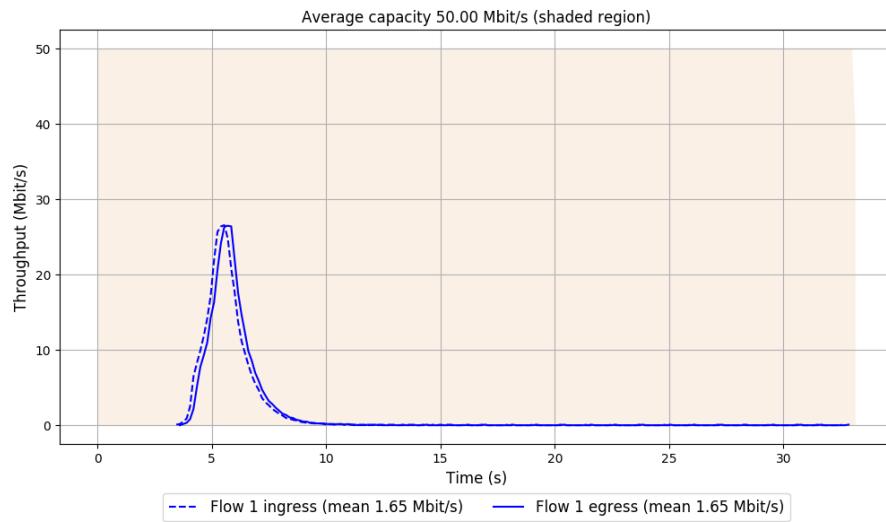


```
Run 10: Statistics of Eagle-006

Start at: 2019-10-27 05:58:21
End at: 2019-10-27 05:58:51

# Below is generated by plot.py at 2019-10-27 06:25:48
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 1.65 Mbit/s (3.3% utilization)
95th percentile per-packet one-way delay: 42.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 42.160 ms
Loss rate: 0.00%
```

## Run 10: Report of Eagle-006 — Data Link

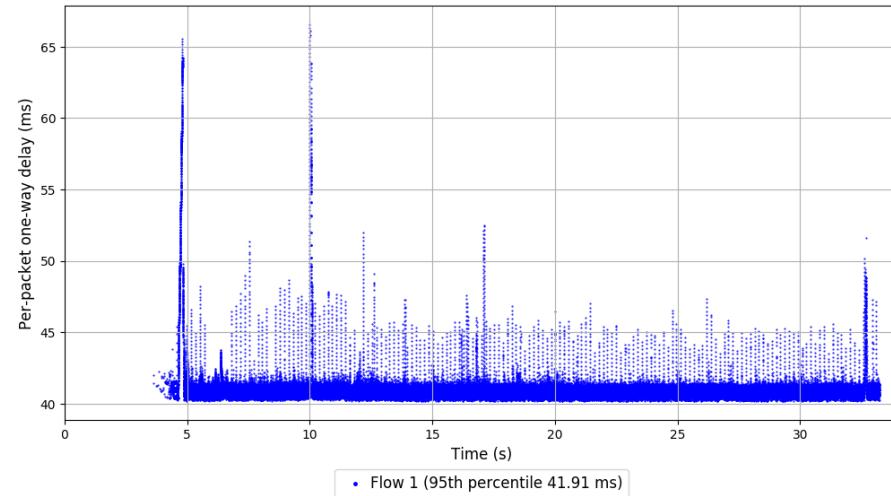
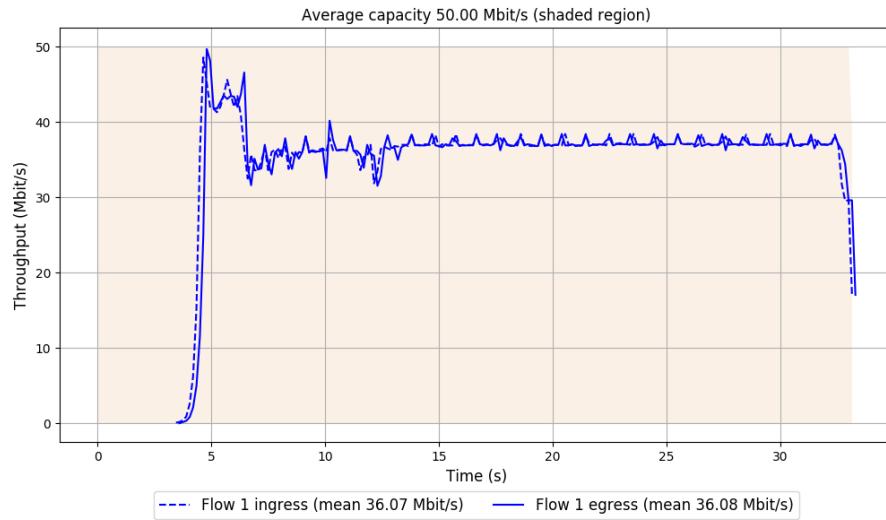


```
Run 1: Statistics of Eagle-007

Start at: 2019-10-27 05:04:29
End at: 2019-10-27 05:04:59

# Below is generated by plot.py at 2019-10-27 06:26:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 36.08 Mbit/s (72.2% utilization)
95th percentile per-packet one-way delay: 41.908 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 41.908 ms
Loss rate: 0.12%
```

Run 1: Report of Eagle-007 — Data Link



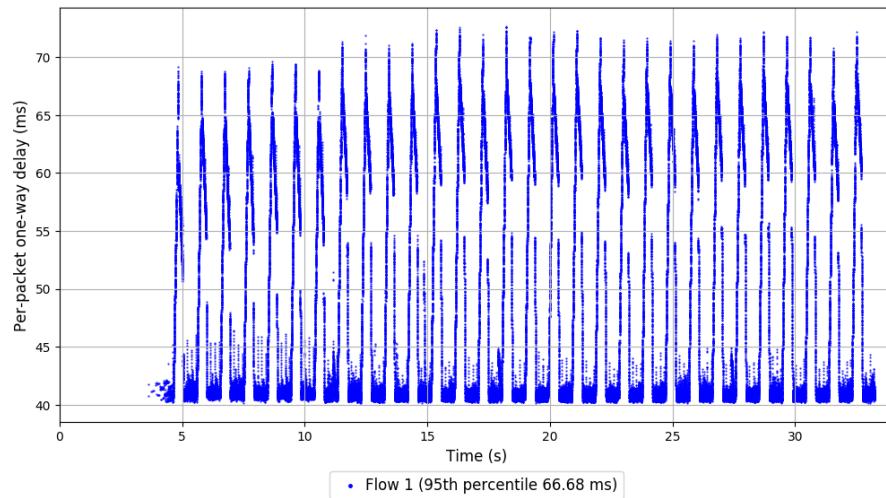
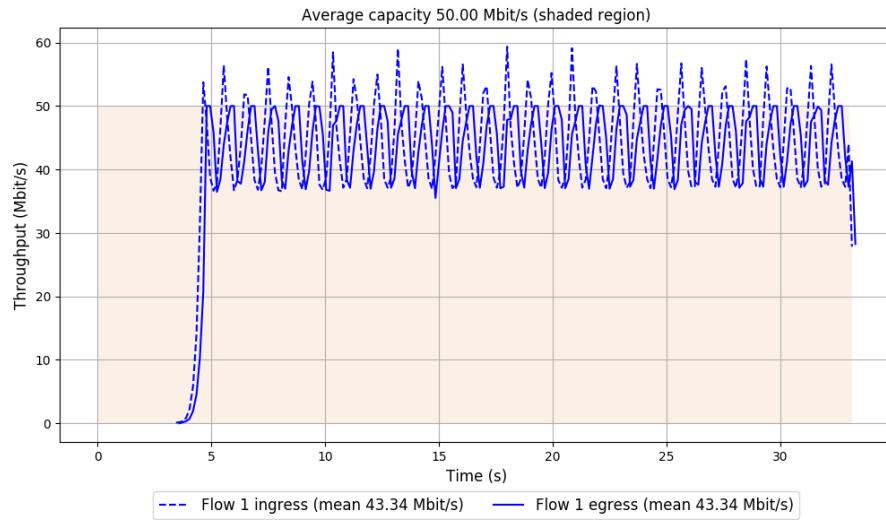
Run 2: Statistics of Eagle-007

Start at: 2019-10-27 05:10:32

End at: 2019-10-27 05:11:02

```
# Below is generated by plot.py at 2019-10-27 06:26:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 43.34 Mbit/s (86.7% utilization)
95th percentile per-packet one-way delay: 66.683 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 43.34 Mbit/s
95th percentile per-packet one-way delay: 66.683 ms
Loss rate: 0.15%
```

## Run 2: Report of Eagle-007 — Data Link



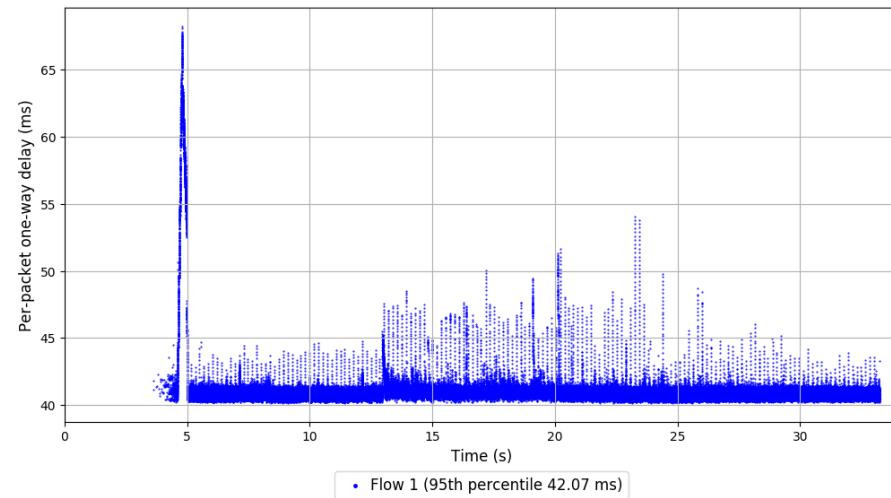
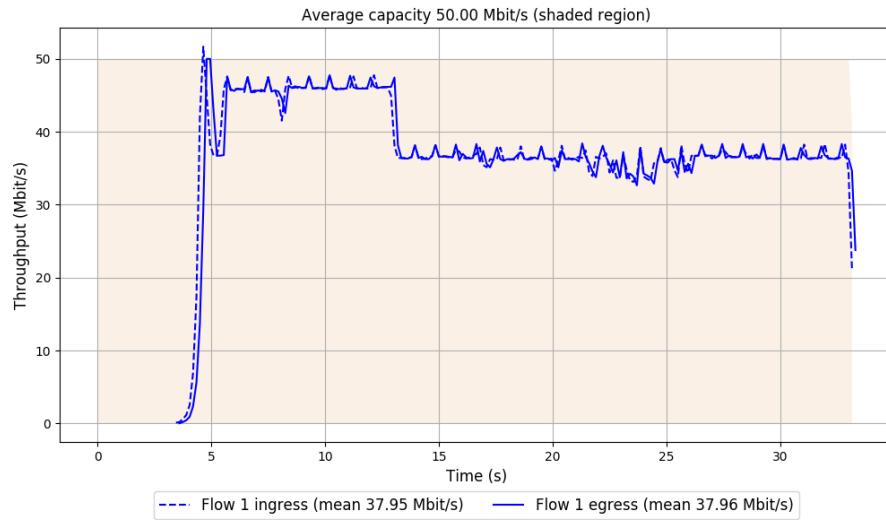
Run 3: Statistics of Eagle-007

Start at: 2019-10-27 05:16:35

End at: 2019-10-27 05:17:05

```
# Below is generated by plot.py at 2019-10-27 06:26:18
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 37.96 Mbit/s (75.9% utilization)
95th percentile per-packet one-way delay: 42.074 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 42.074 ms
Loss rate: 0.10%
```

Run 3: Report of Eagle-007 — Data Link



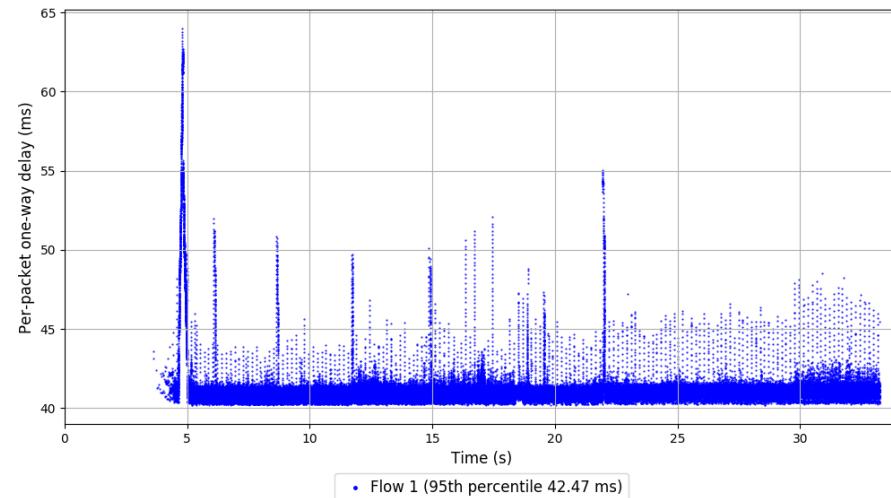
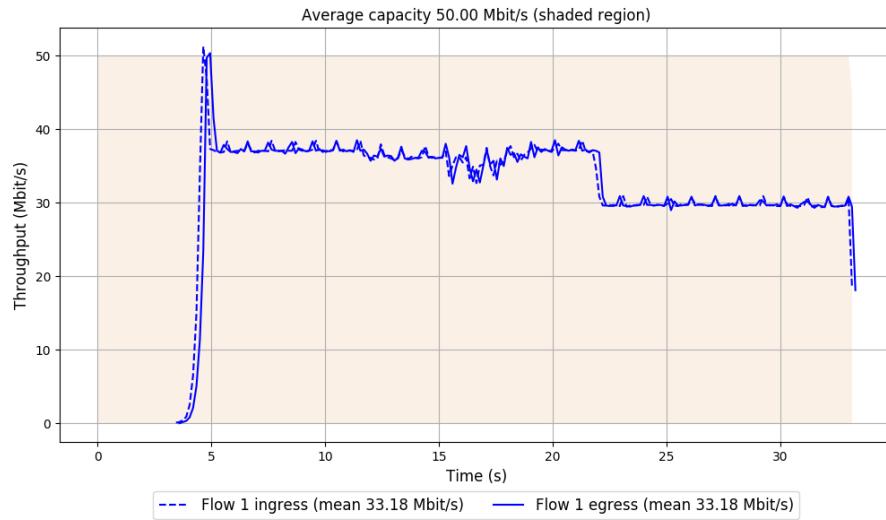
Run 4: Statistics of Eagle-007

Start at: 2019-10-27 05:22:37

End at: 2019-10-27 05:23:07

```
# Below is generated by plot.py at 2019-10-27 06:26:18
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 33.18 Mbit/s (66.4% utilization)
95th percentile per-packet one-way delay: 42.466 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 42.466 ms
Loss rate: 0.13%
```

Run 4: Report of Eagle-007 — Data Link

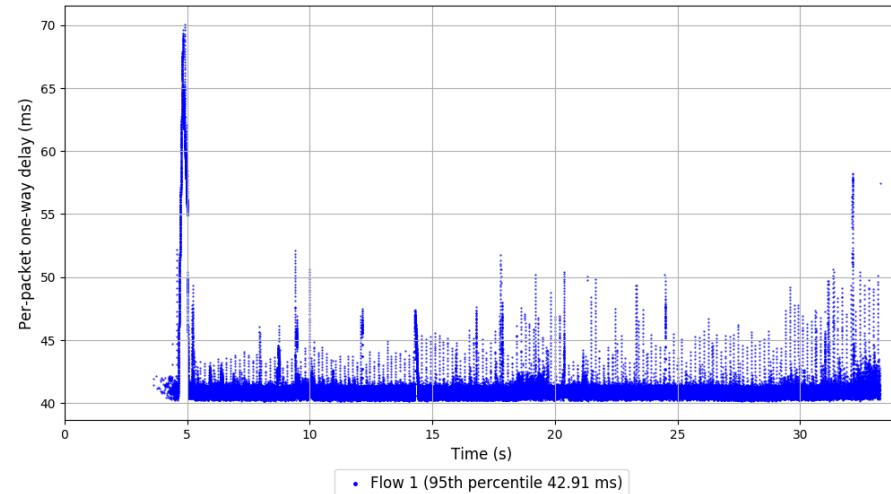
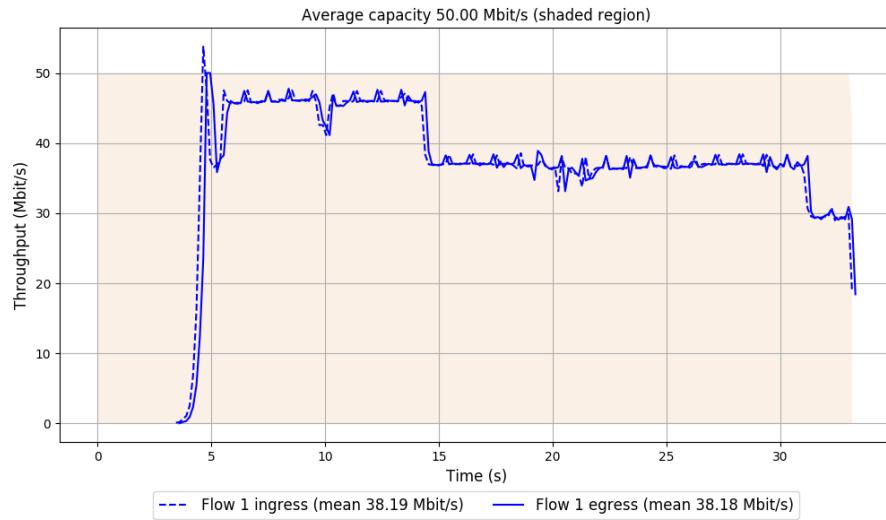


```
Run 5: Statistics of Eagle-007

Start at: 2019-10-27 05:28:40
End at: 2019-10-27 05:29:10

# Below is generated by plot.py at 2019-10-27 06:26:29
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 38.18 Mbit/s (76.4% utilization)
95th percentile per-packet one-way delay: 42.912 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 42.912 ms
Loss rate: 0.11%
```

Run 5: Report of Eagle-007 — Data Link

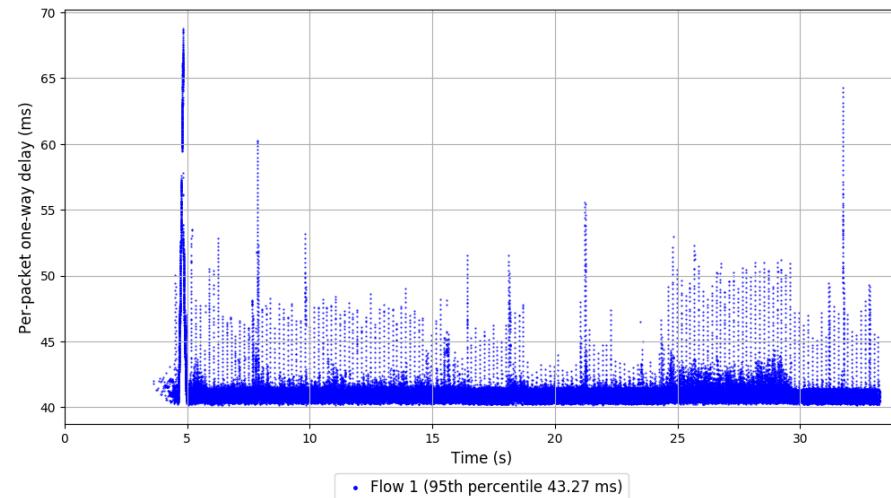
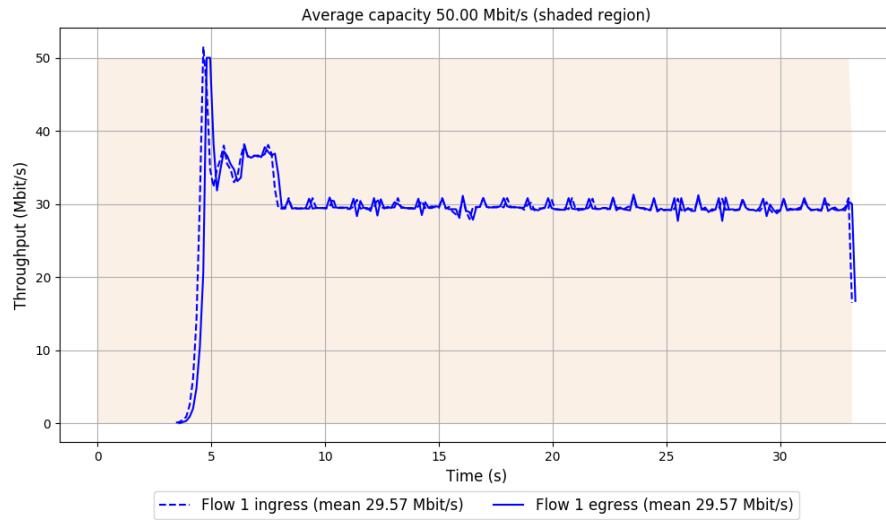


```
Run 6: Statistics of Eagle-007

Start at: 2019-10-27 05:34:45
End at: 2019-10-27 05:35:15

# Below is generated by plot.py at 2019-10-27 06:26:29
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 29.57 Mbit/s (59.1% utilization)
95th percentile per-packet one-way delay: 43.272 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 43.272 ms
Loss rate: 0.14%
```

Run 6: Report of Eagle-007 — Data Link

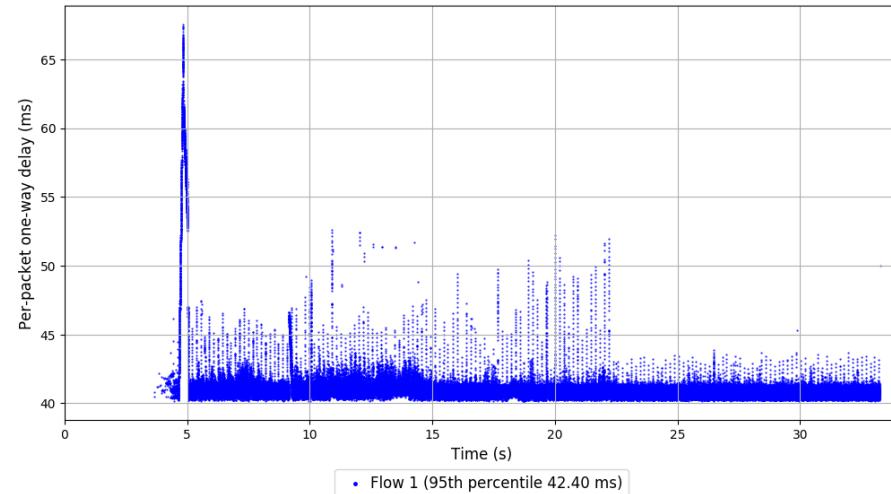
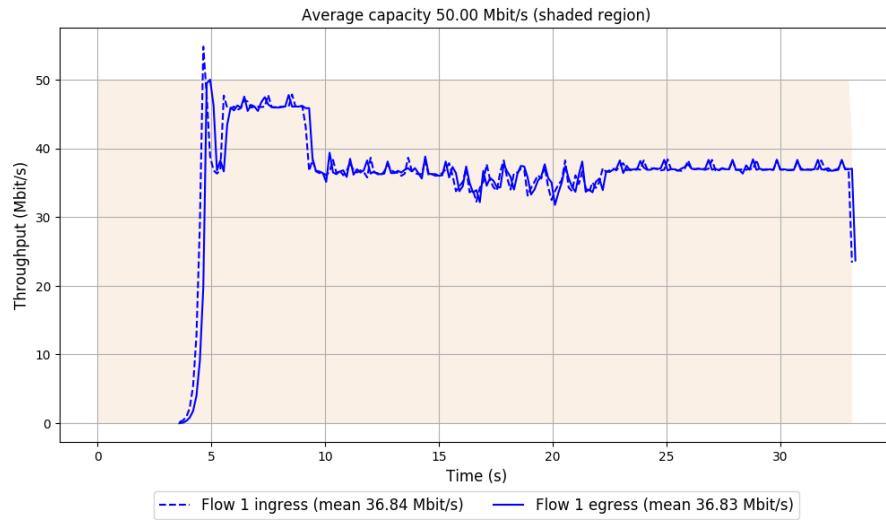


```
Run 7: Statistics of Eagle-007

Start at: 2019-10-27 05:40:49
End at: 2019-10-27 05:41:19

# Below is generated by plot.py at 2019-10-27 06:26:37
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 36.83 Mbit/s (73.7% utilization)
95th percentile per-packet one-way delay: 42.395 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 42.395 ms
Loss rate: 0.14%
```

## Run 7: Report of Eagle-007 — Data Link



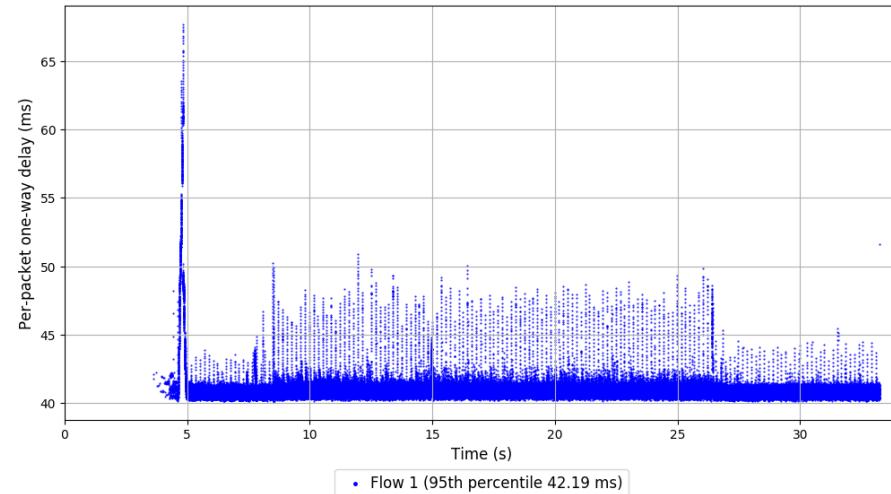
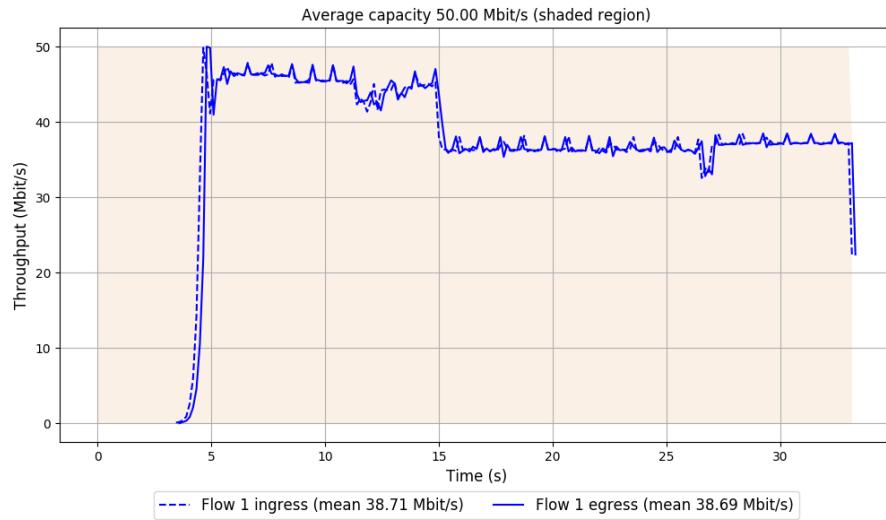
Run 8: Statistics of Eagle-007

Start at: 2019-10-27 05:46:48

End at: 2019-10-27 05:47:18

```
# Below is generated by plot.py at 2019-10-27 06:26:43
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 38.69 Mbit/s (77.4% utilization)
95th percentile per-packet one-way delay: 42.190 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 42.190 ms
Loss rate: 0.13%
```

Run 8: Report of Eagle-007 — Data Link

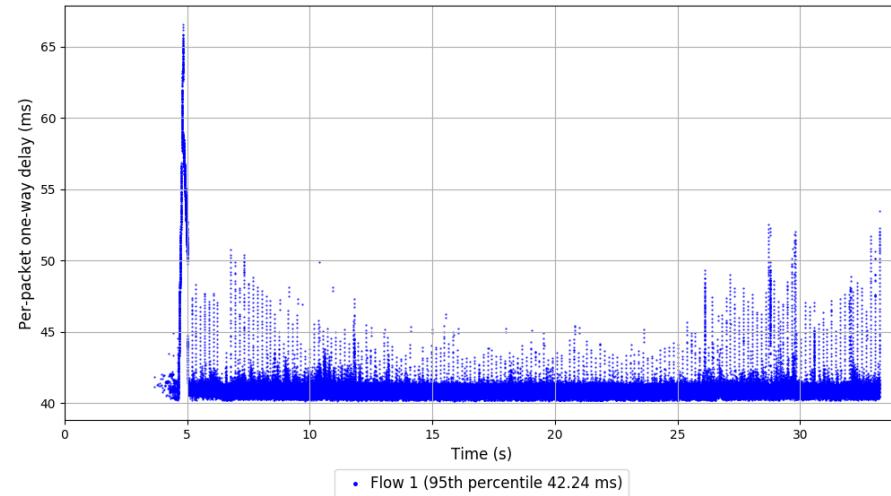
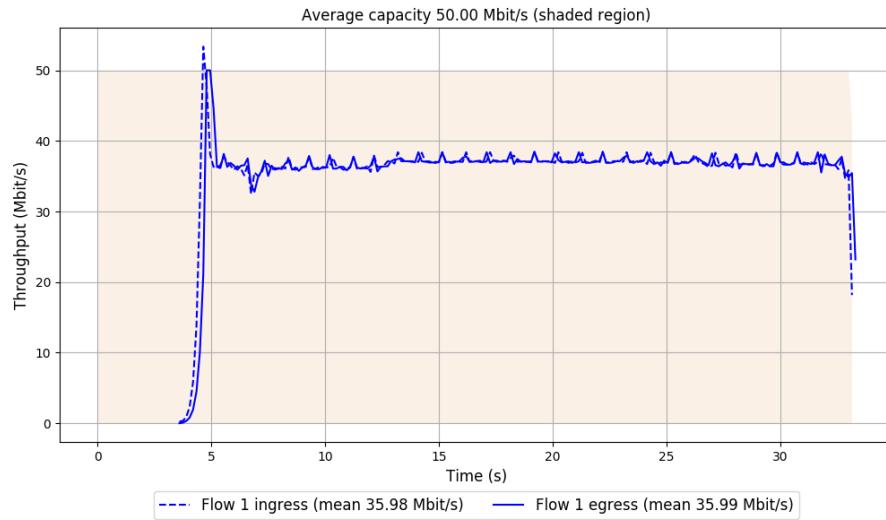


```
Run 9: Statistics of Eagle-007

Start at: 2019-10-27 05:52:53
End at: 2019-10-27 05:53:23

# Below is generated by plot.py at 2019-10-27 06:26:52
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 35.99 Mbit/s (72.0% utilization)
95th percentile per-packet one-way delay: 42.241 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 42.241 ms
Loss rate: 0.08%
```

Run 9: Report of Eagle-007 — Data Link

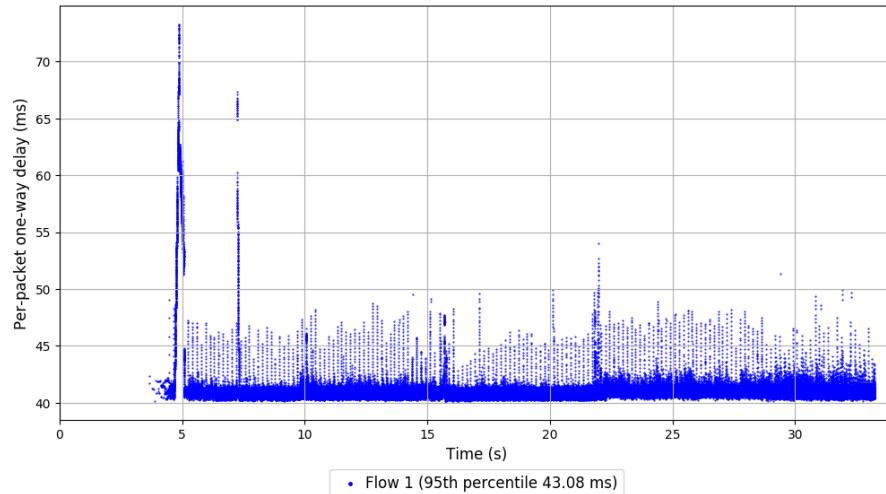
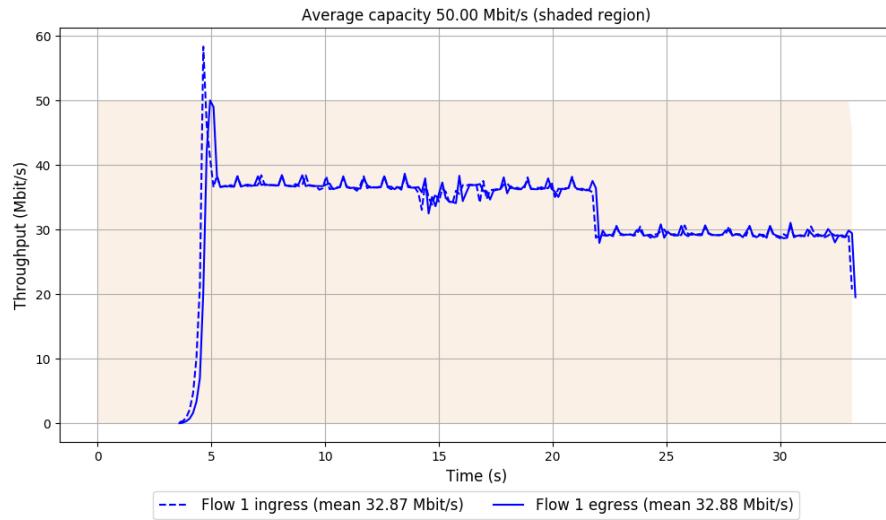


```
Run 10: Statistics of Eagle-007

Start at: 2019-10-27 05:58:56
End at: 2019-10-27 05:59:26

# Below is generated by plot.py at 2019-10-27 06:26:54
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 32.88 Mbit/s (65.8% utilization)
95th percentile per-packet one-way delay: 43.077 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 43.077 ms
Loss rate: 0.13%
```

## Run 10: Report of Eagle-007 — Data Link

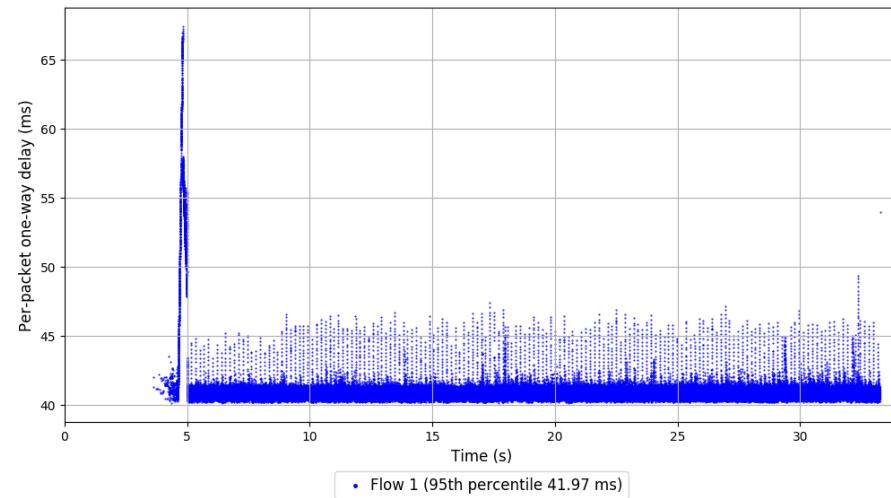
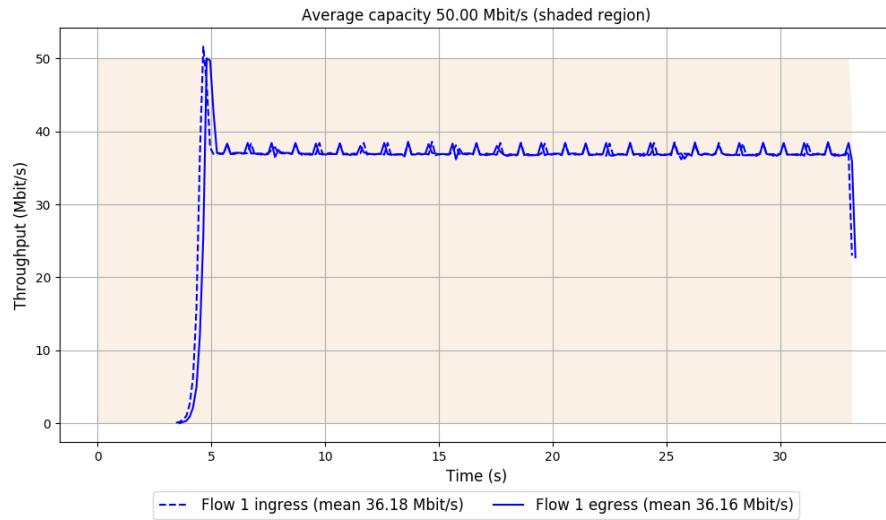


```
Run 1: Statistics of Eagle-008

Start at: 2019-10-27 05:05:05
End at: 2019-10-27 05:05:35

# Below is generated by plot.py at 2019-10-27 06:27:02
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 36.16 Mbit/s (72.3% utilization)
95th percentile per-packet one-way delay: 41.973 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 41.973 ms
Loss rate: 0.14%
```

Run 1: Report of Eagle-008 — Data Link



Run 2: Statistics of Eagle-008

Start at: 2019-10-27 05:11:09

End at: 2019-10-27 05:11:39

# Below is generated by plot.py at 2019-10-27 06:27:07

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 28.69 Mbit/s (57.4% utilization)

95th percentile per-packet one-way delay: 43.875 ms

Loss rate: 0.10%

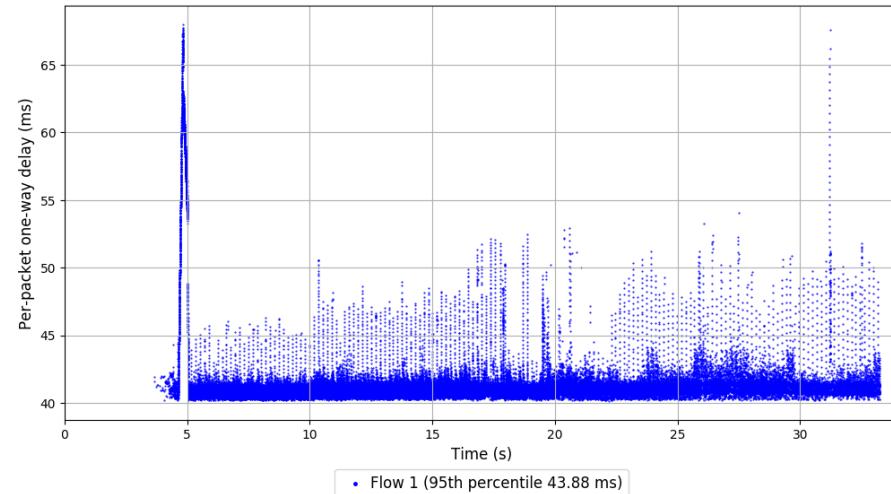
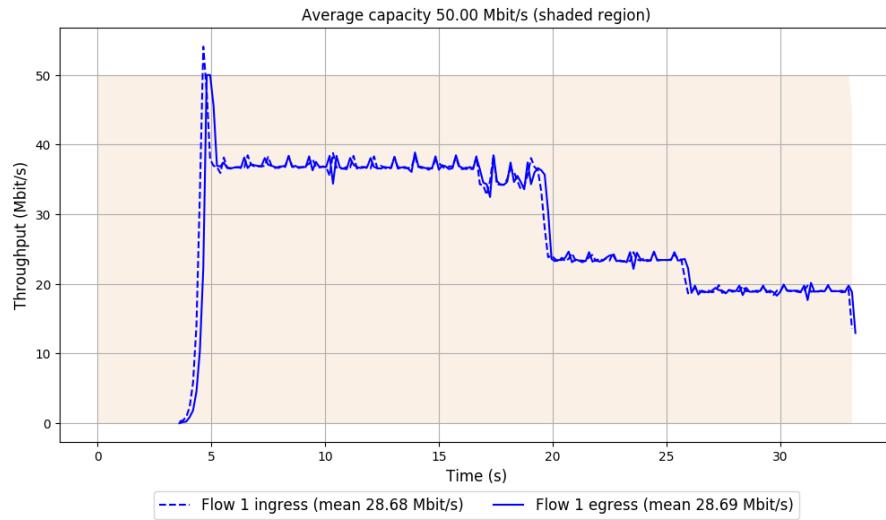
-- Flow 1:

Average throughput: 28.69 Mbit/s

95th percentile per-packet one-way delay: 43.875 ms

Loss rate: 0.10%

Run 2: Report of Eagle-008 — Data Link



Run 3: Statistics of Eagle-008

Start at: 2019-10-27 05:17:11

End at: 2019-10-27 05:17:41

# Below is generated by plot.py at 2019-10-27 06:27:18

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 36.14 Mbit/s (72.3% utilization)

95th percentile per-packet one-way delay: 41.769 ms

Loss rate: 0.15%

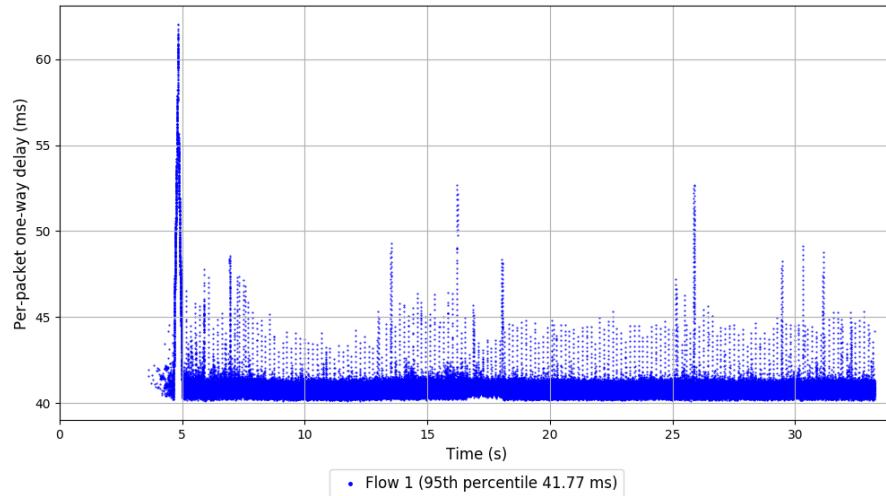
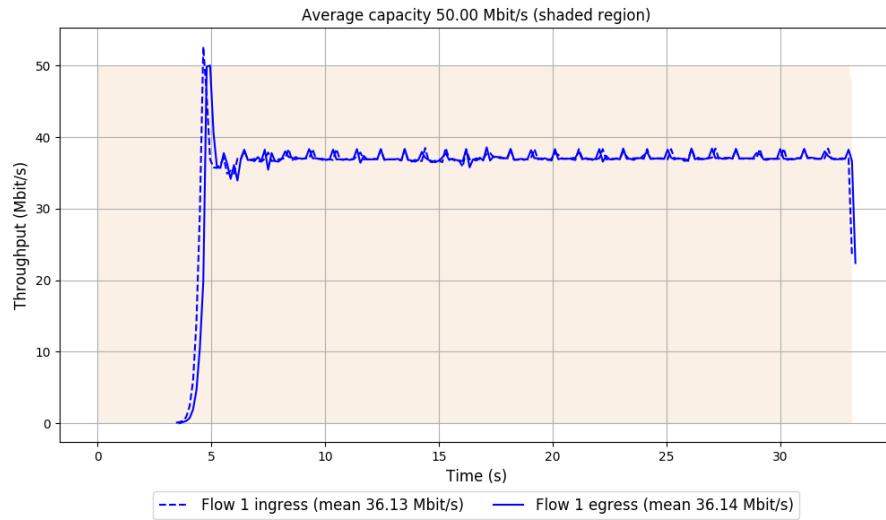
-- Flow 1:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 41.769 ms

Loss rate: 0.15%

### Run 3: Report of Eagle-008 — Data Link



Run 4: Statistics of Eagle-008

Start at: 2019-10-27 05:23:13

End at: 2019-10-27 05:23:43

# Below is generated by plot.py at 2019-10-27 06:27:18

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 25.03 Mbit/s (50.1% utilization)

95th percentile per-packet one-way delay: 44.744 ms

Loss rate: 0.13%

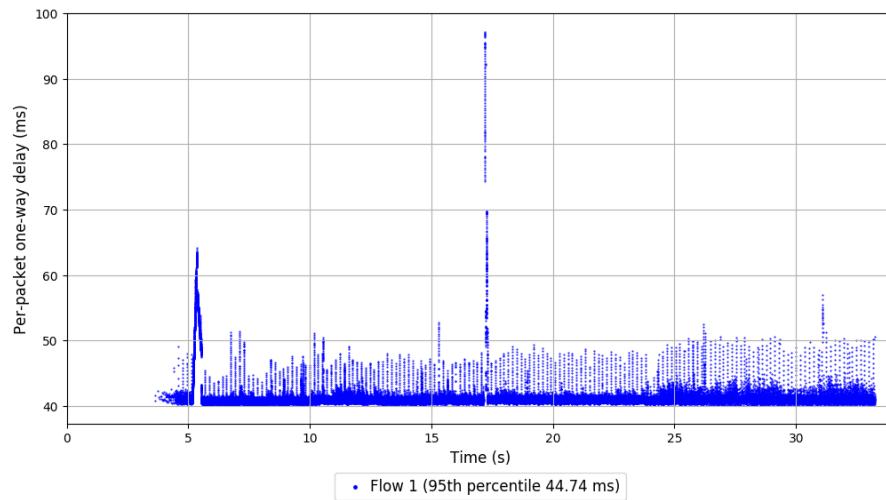
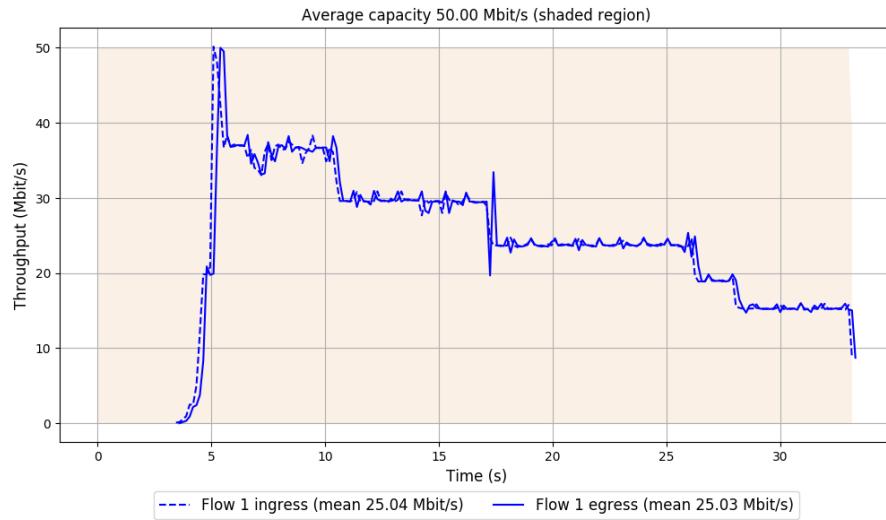
-- Flow 1:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 44.744 ms

Loss rate: 0.13%

## Run 4: Report of Eagle-008 — Data Link

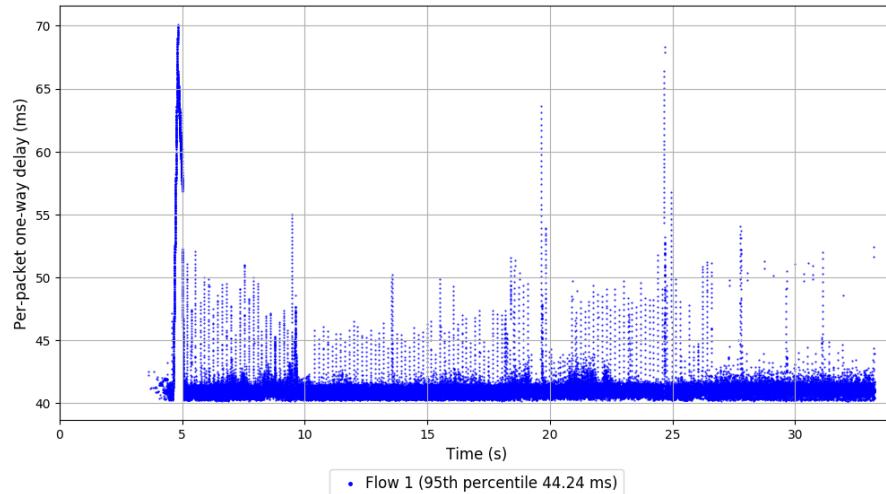
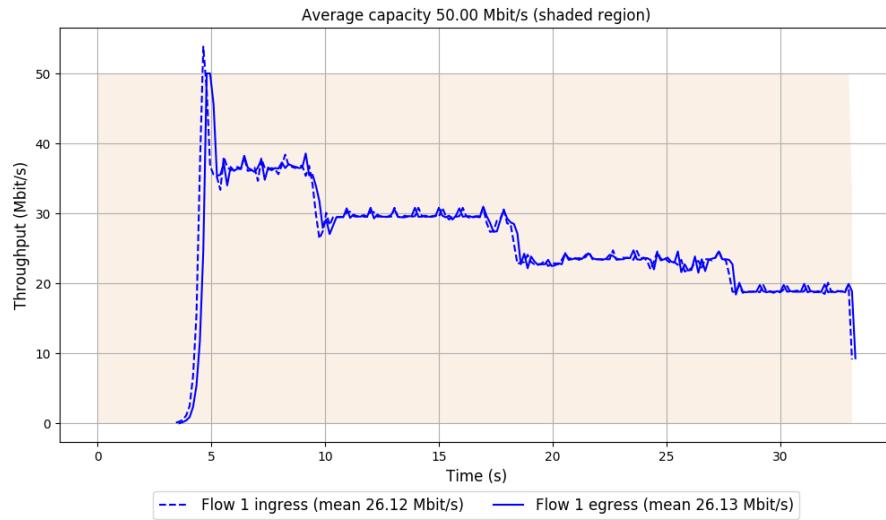


```
Run 5: Statistics of Eagle-008

Start at: 2019-10-27 05:29:16
End at: 2019-10-27 05:29:46

# Below is generated by plot.py at 2019-10-27 06:27:23
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 26.13 Mbit/s (52.3% utilization)
95th percentile per-packet one-way delay: 44.244 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 44.244 ms
Loss rate: 0.10%
```

Run 5: Report of Eagle-008 — Data Link



Run 6: Statistics of Eagle-008

Start at: 2019-10-27 05:35:21

End at: 2019-10-27 05:35:51

# Below is generated by plot.py at 2019-10-27 06:27:30

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 29.59 Mbit/s (59.2% utilization)

95th percentile per-packet one-way delay: 42.207 ms

Loss rate: 0.08%

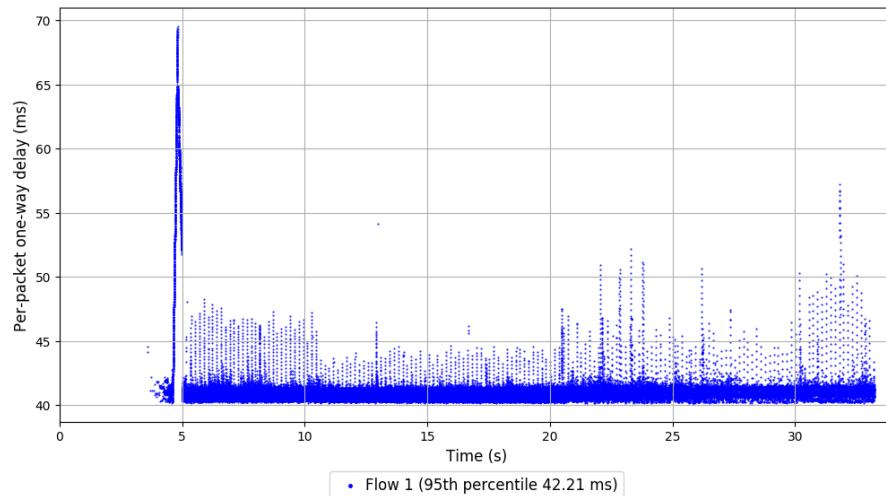
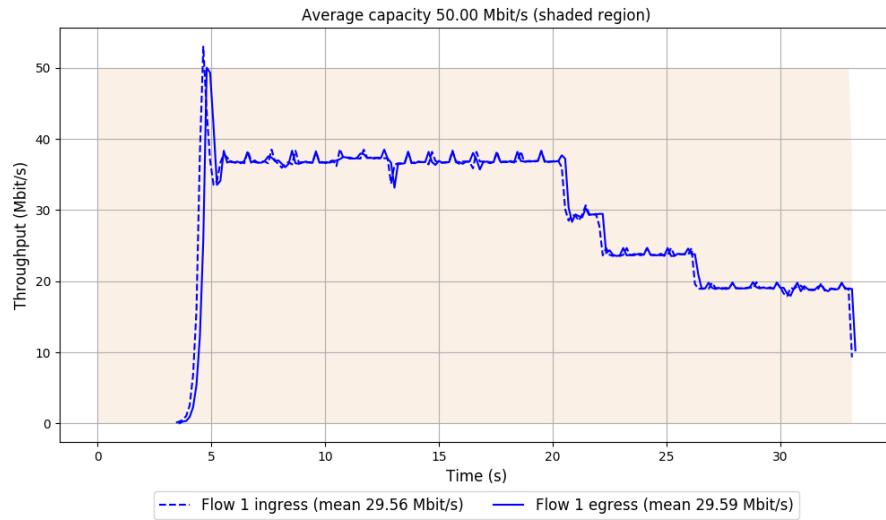
-- Flow 1:

Average throughput: 29.59 Mbit/s

95th percentile per-packet one-way delay: 42.207 ms

Loss rate: 0.08%

Run 6: Report of Eagle-008 — Data Link



Run 7: Statistics of Eagle-008

Start at: 2019-10-27 05:41:25

End at: 2019-10-27 05:41:55

# Below is generated by plot.py at 2019-10-27 06:27:36

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 26.64 Mbit/s (53.3% utilization)

95th percentile per-packet one-way delay: 43.884 ms

Loss rate: 0.06%

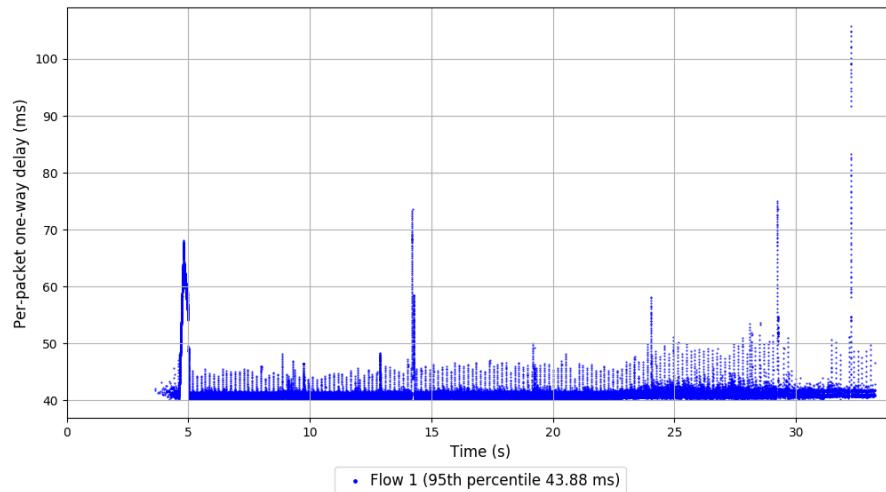
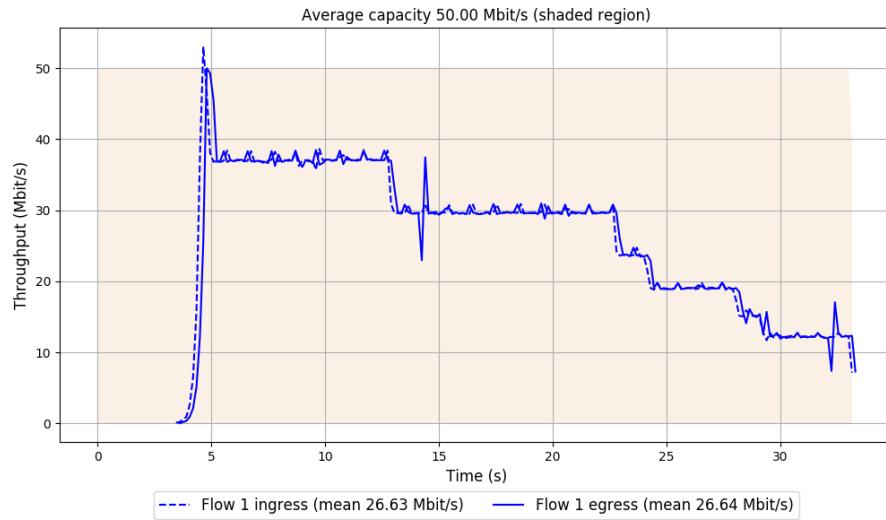
-- Flow 1:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 43.884 ms

Loss rate: 0.06%

## Run 7: Report of Eagle-008 — Data Link



Run 8: Statistics of Eagle-008

Start at: 2019-10-27 05:47:25

End at: 2019-10-27 05:47:55

# Below is generated by plot.py at 2019-10-27 06:27:47

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 42.74 Mbit/s (85.5% utilization)

95th percentile per-packet one-way delay: 63.621 ms

Loss rate: 0.33%

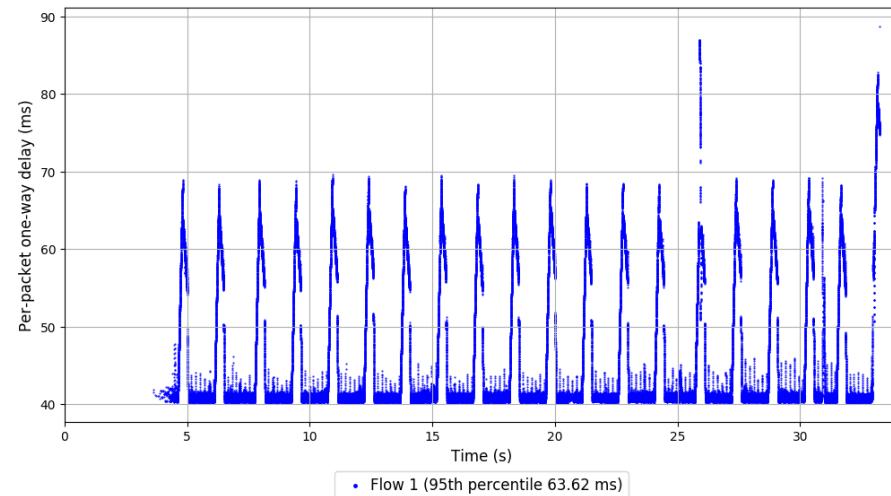
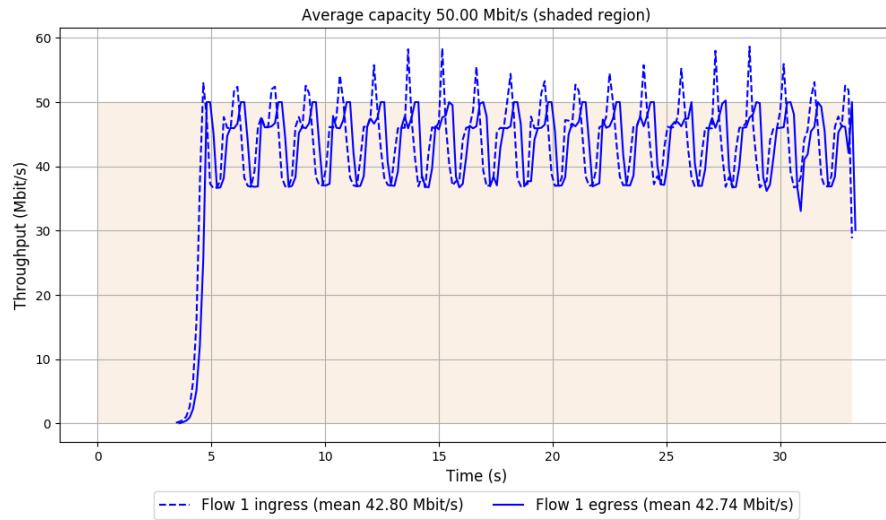
-- Flow 1:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 63.621 ms

Loss rate: 0.33%

Run 8: Report of Eagle-008 — Data Link



Run 9: Statistics of Eagle-008

Start at: 2019-10-27 05:53:29

End at: 2019-10-27 05:53:59

# Below is generated by plot.py at 2019-10-27 06:27:47

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 36.93 Mbit/s (73.9% utilization)

95th percentile per-packet one-way delay: 43.190 ms

Loss rate: 0.16%

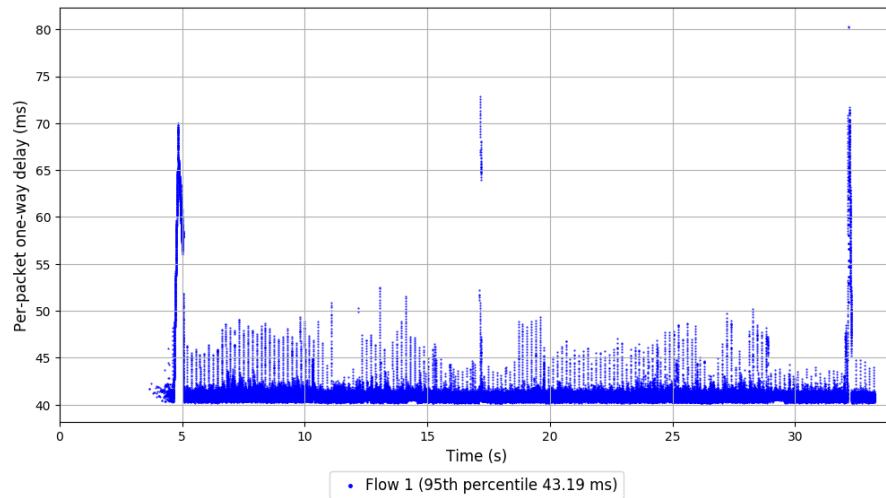
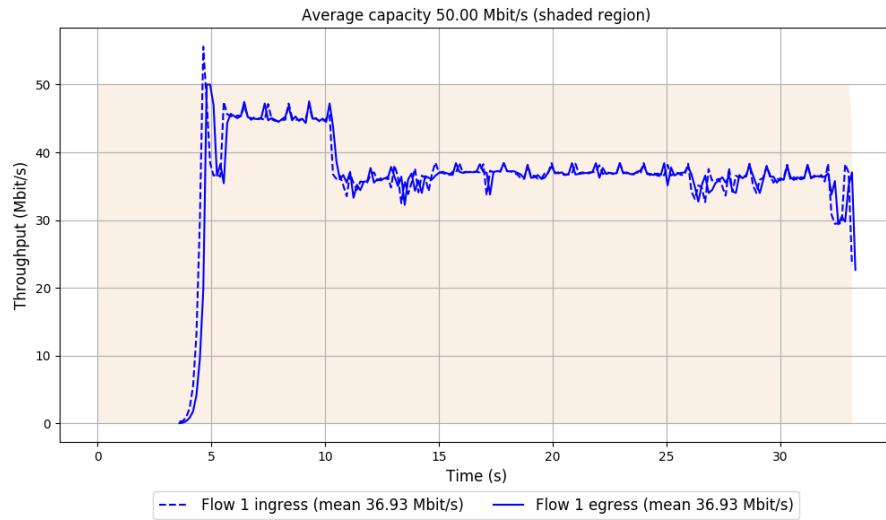
-- Flow 1:

Average throughput: 36.93 Mbit/s

95th percentile per-packet one-way delay: 43.190 ms

Loss rate: 0.16%

Run 9: Report of Eagle-008 — Data Link

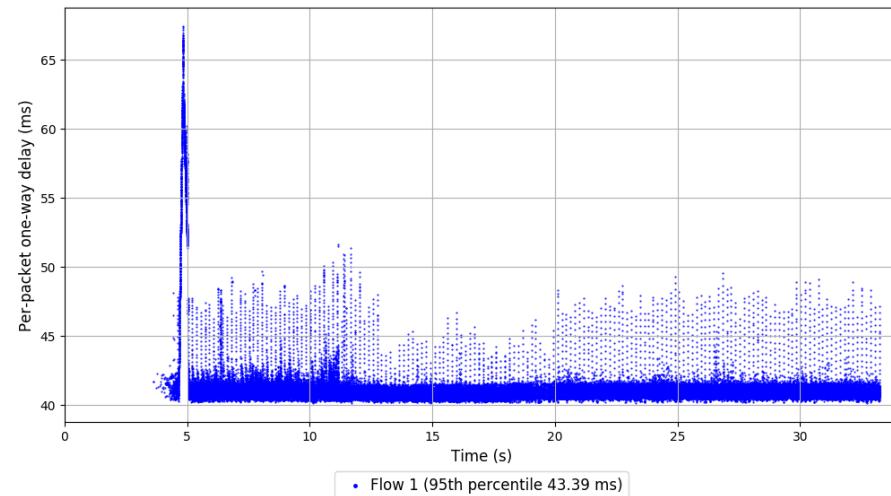
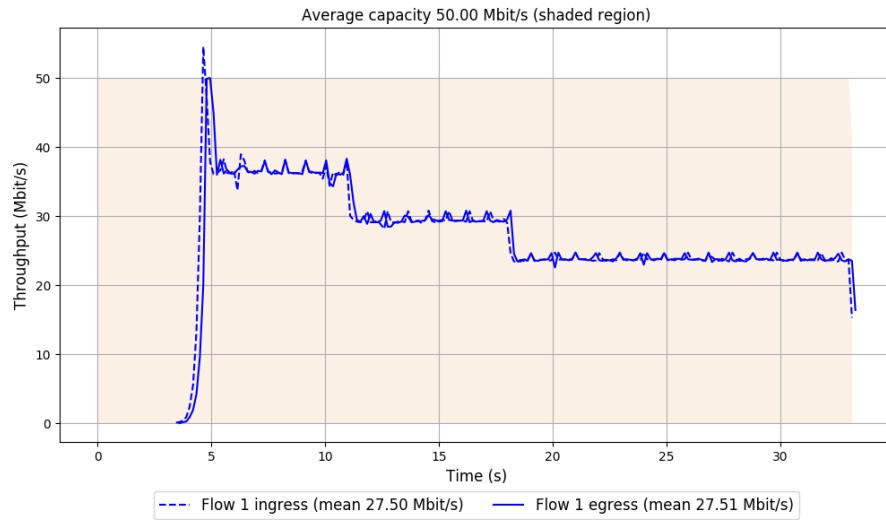


```
Run 10: Statistics of Eagle-008

Start at: 2019-10-27 05:59:32
End at: 2019-10-27 06:00:02

# Below is generated by plot.py at 2019-10-27 06:27:53
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 27.51 Mbit/s (55.0% utilization)
95th percentile per-packet one-way delay: 43.390 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 27.51 Mbit/s
95th percentile per-packet one-way delay: 43.390 ms
Loss rate: 0.10%
```

## Run 10: Report of Eagle-008 — Data Link



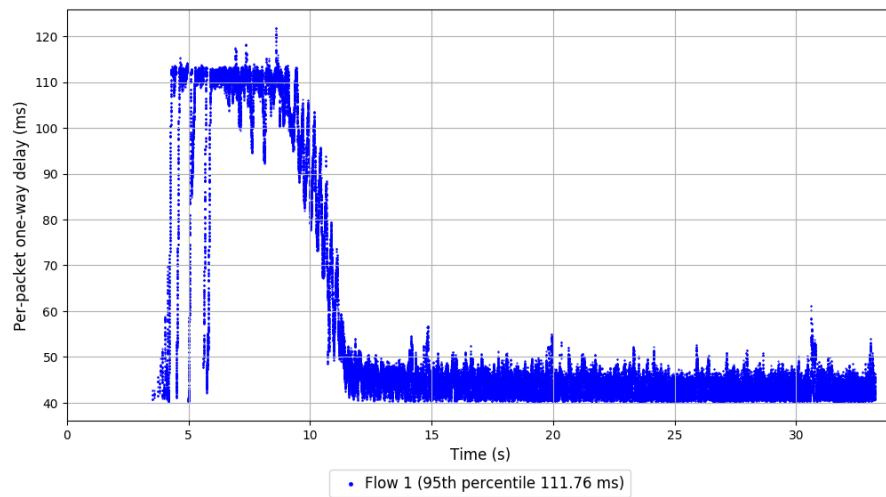
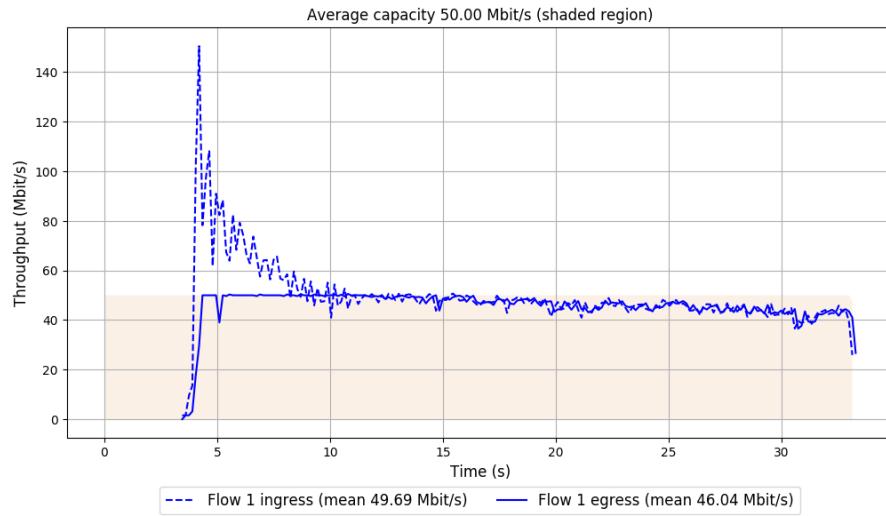
Run 1: Statistics of Indigo

Start at: 2019-10-27 05:06:54

End at: 2019-10-27 05:07:25

```
# Below is generated by plot.py at 2019-10-27 06:28:08
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 46.04 Mbit/s (92.1% utilization)
95th percentile per-packet one-way delay: 111.764 ms
Loss rate: 7.48%
-- Flow 1:
Average throughput: 46.04 Mbit/s
95th percentile per-packet one-way delay: 111.764 ms
Loss rate: 7.48%
```

Run 1: Report of Indigo — Data Link



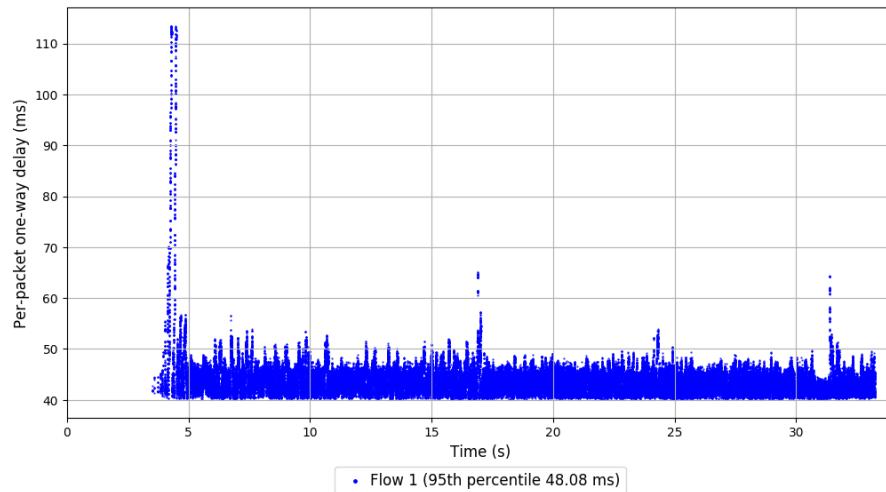
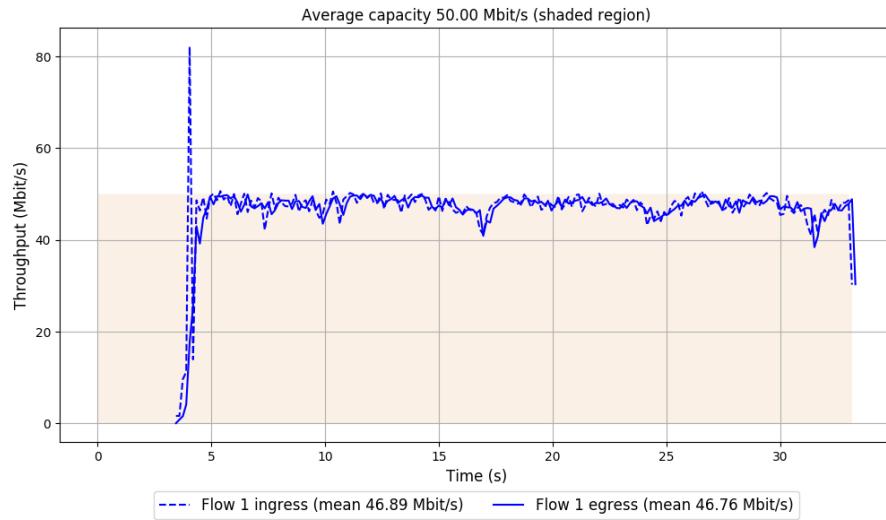
Run 2: Statistics of Indigo

Start at: 2019-10-27 05:12:58

End at: 2019-10-27 05:13:28

```
# Below is generated by plot.py at 2019-10-27 06:28:19
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 46.76 Mbit/s (93.5% utilization)
95th percentile per-packet one-way delay: 48.075 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 48.075 ms
Loss rate: 0.41%
```

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-10-27 05:19:01

End at: 2019-10-27 05:19:31

# Below is generated by plot.py at 2019-10-27 06:28:19

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 45.93 Mbit/s (91.9% utilization)

95th percentile per-packet one-way delay: 49.785 ms

Loss rate: 0.27%

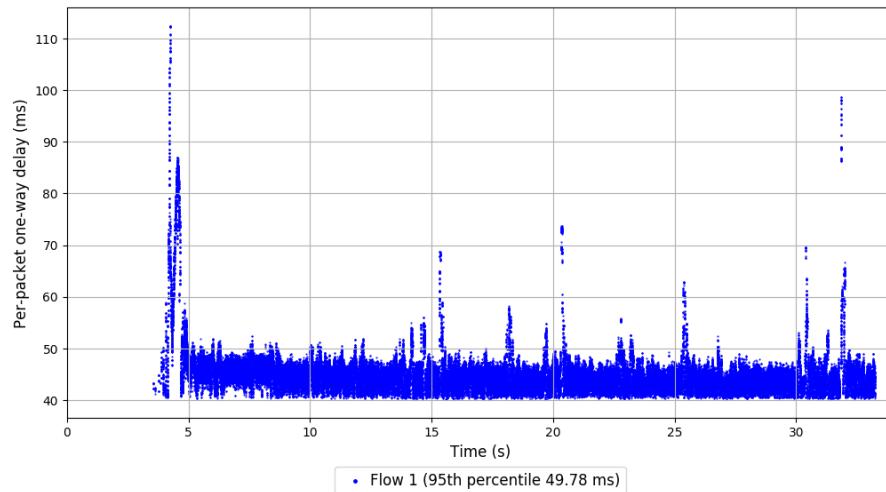
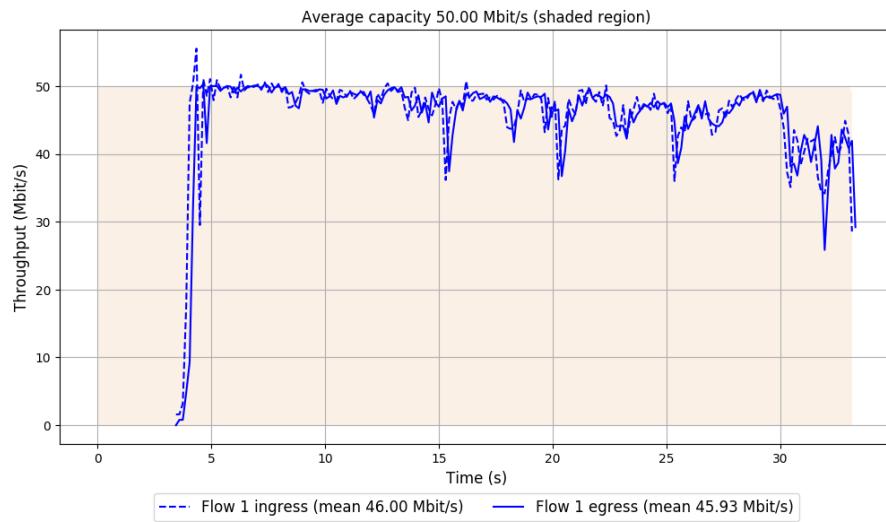
-- Flow 1:

Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 49.785 ms

Loss rate: 0.27%

### Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-10-27 05:25:01

End at: 2019-10-27 05:25:31

# Below is generated by plot.py at 2019-10-27 06:28:23

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 48.57 Mbit/s (97.1% utilization)

95th percentile per-packet one-way delay: 49.614 ms

Loss rate: 0.42%

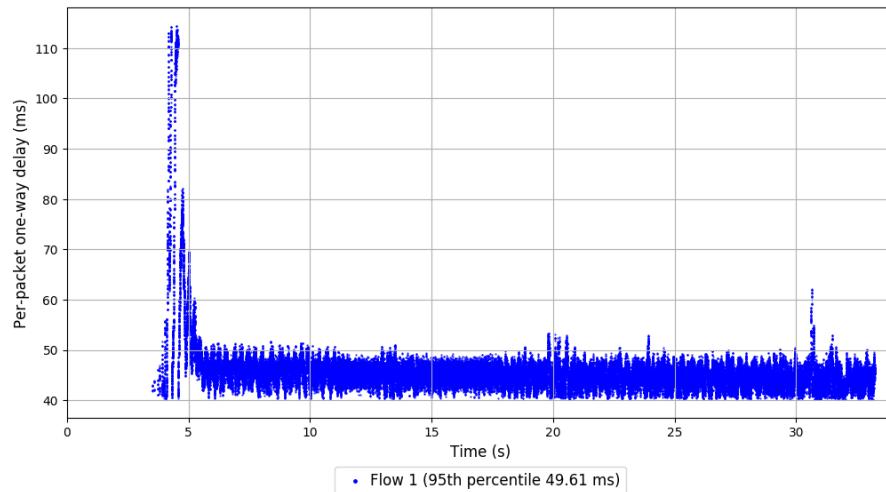
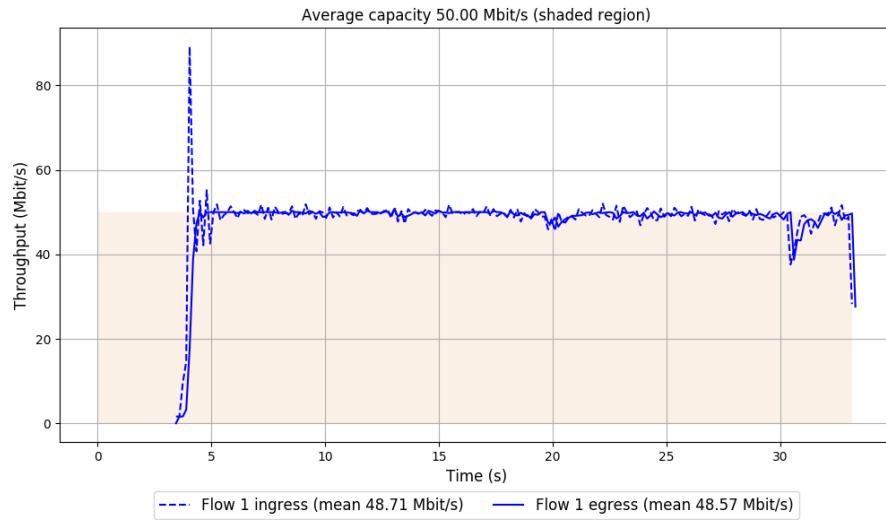
-- Flow 1:

Average throughput: 48.57 Mbit/s

95th percentile per-packet one-way delay: 49.614 ms

Loss rate: 0.42%

## Run 4: Report of Indigo — Data Link



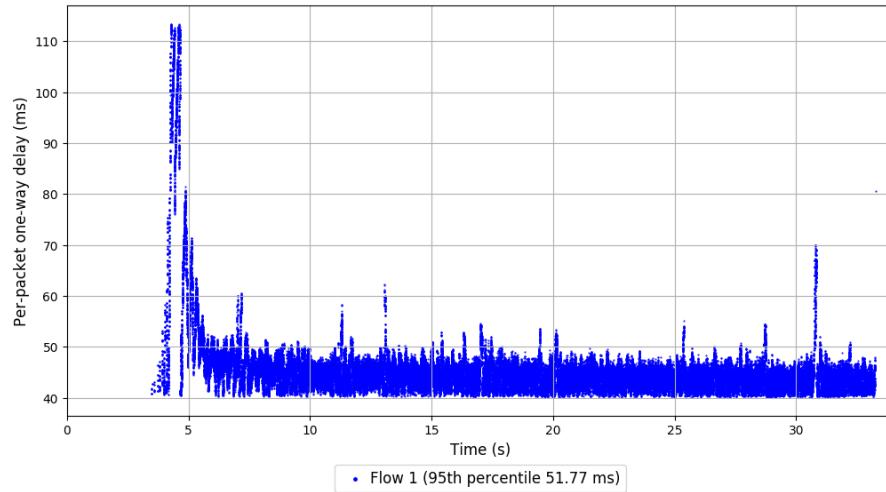
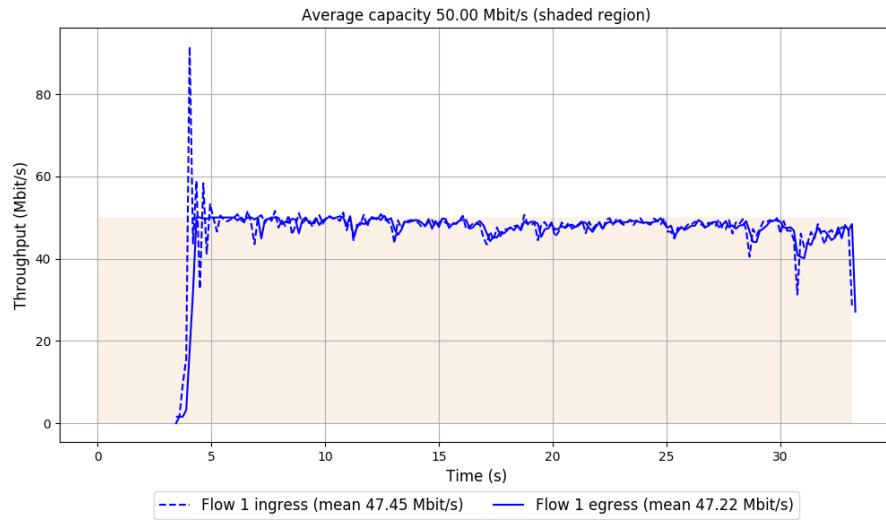
Run 5: Statistics of Indigo

Start at: 2019-10-27 05:31:05

End at: 2019-10-27 05:31:35

```
# Below is generated by plot.py at 2019-10-27 06:28:35
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 47.22 Mbit/s (94.4% utilization)
95th percentile per-packet one-way delay: 51.767 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 51.767 ms
Loss rate: 0.50%
```

## Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2019-10-27 05:37:09

End at: 2019-10-27 05:37:39

# Below is generated by plot.py at 2019-10-27 06:28:40

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 46.00 Mbit/s (92.0% utilization)

95th percentile per-packet one-way delay: 47.305 ms

Loss rate: 0.39%

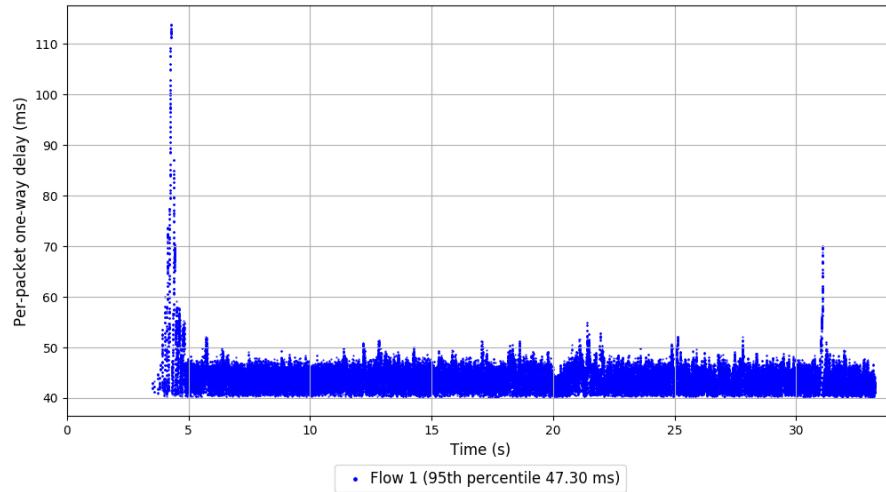
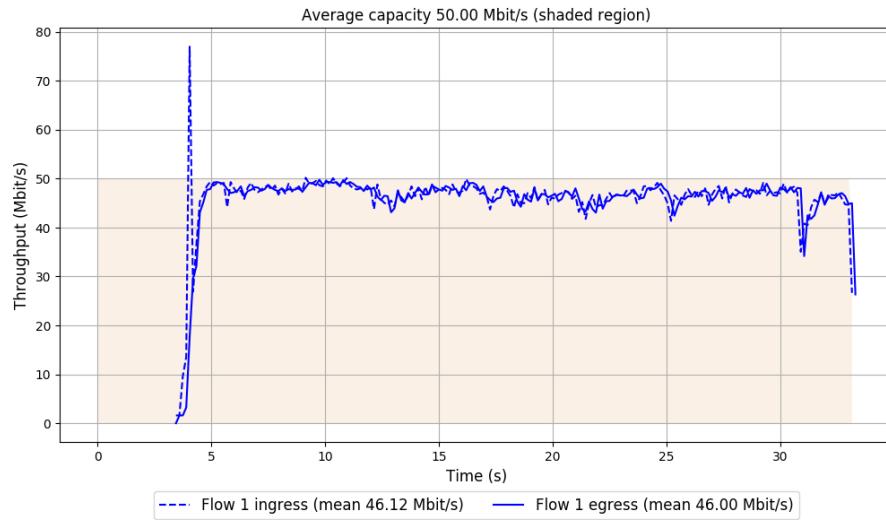
-- Flow 1:

Average throughput: 46.00 Mbit/s

95th percentile per-packet one-way delay: 47.305 ms

Loss rate: 0.39%

## Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2019-10-27 05:43:14

End at: 2019-10-27 05:43:44

# Below is generated by plot.py at 2019-10-27 06:28:50

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 47.72 Mbit/s (95.4% utilization)

95th percentile per-packet one-way delay: 49.202 ms

Loss rate: 0.16%

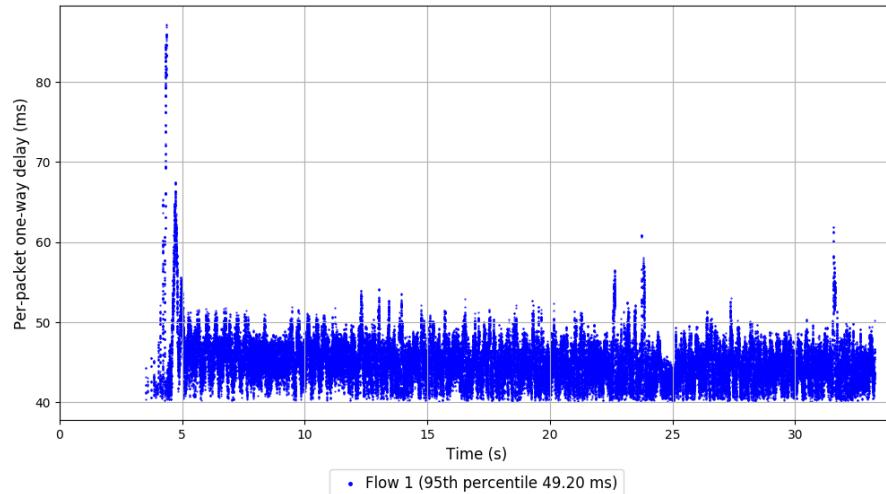
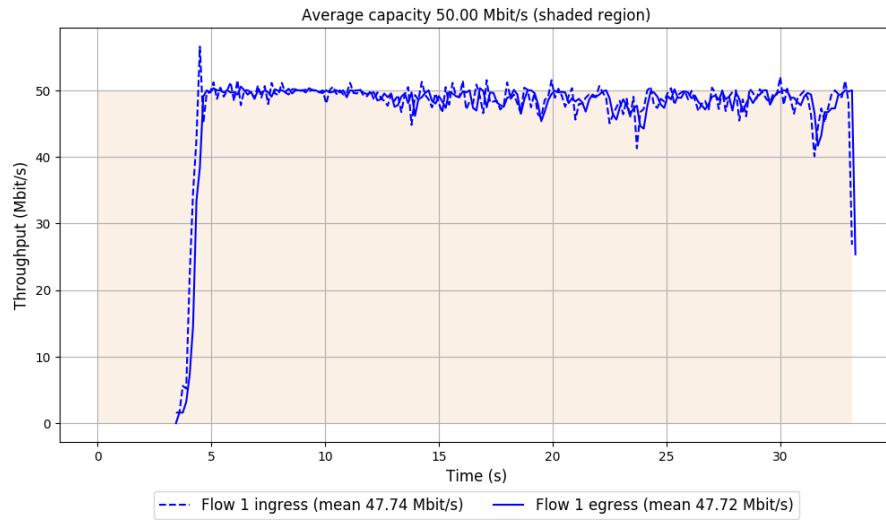
-- Flow 1:

Average throughput: 47.72 Mbit/s

95th percentile per-packet one-way delay: 49.202 ms

Loss rate: 0.16%

Run 7: Report of Indigo — Data Link



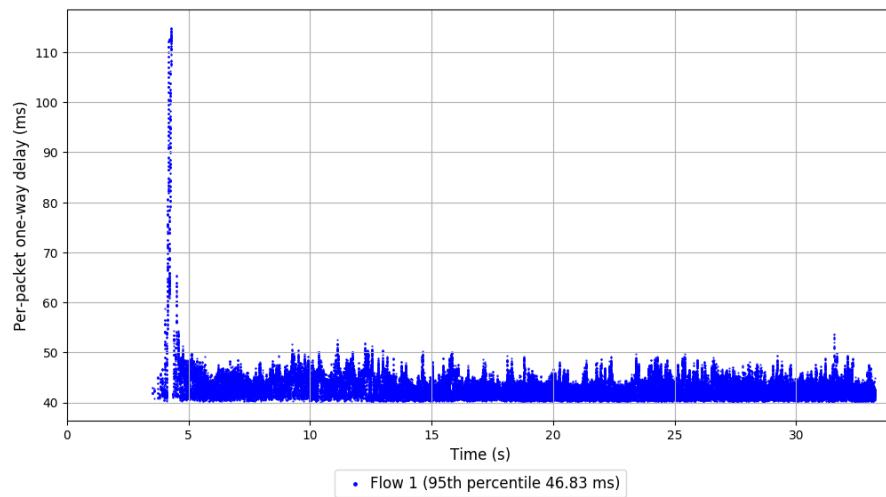
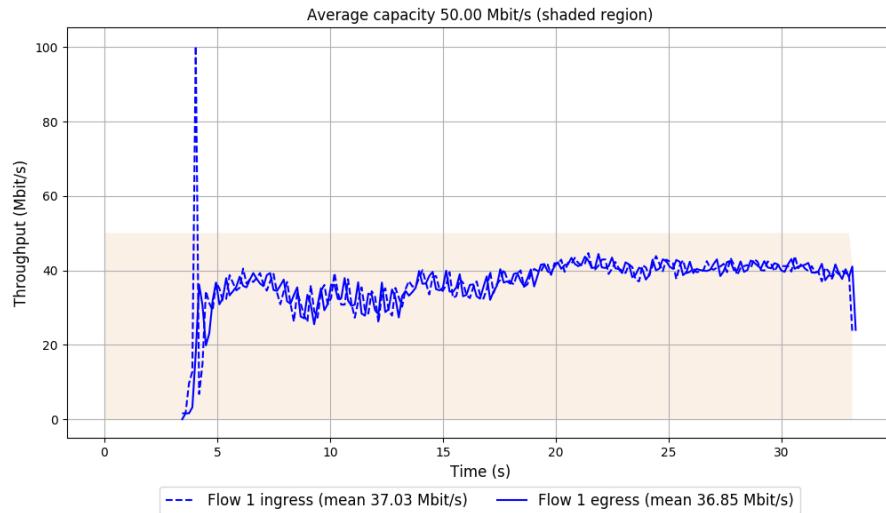
Run 8: Statistics of Indigo

Start at: 2019-10-27 05:49:14

End at: 2019-10-27 05:49:44

```
# Below is generated by plot.py at 2019-10-27 06:28:51
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 36.85 Mbit/s (73.7% utilization)
95th percentile per-packet one-way delay: 46.829 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 46.829 ms
Loss rate: 0.61%
```

Run 8: Report of Indigo — Data Link



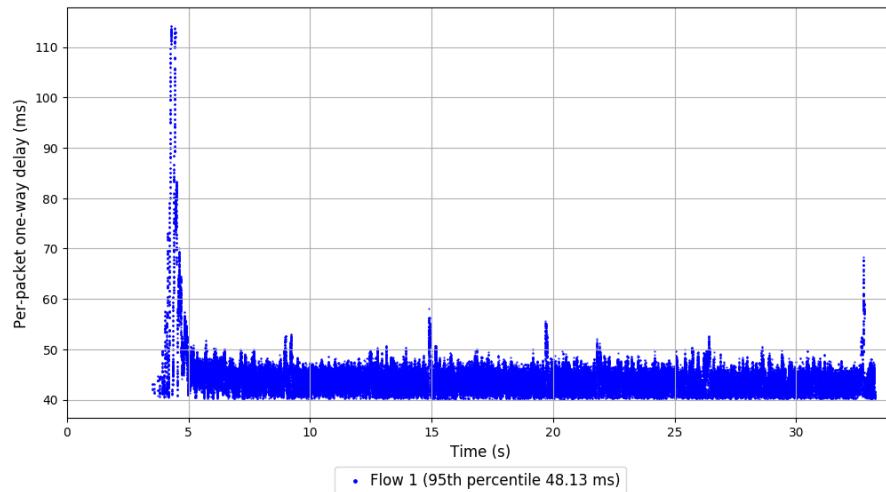
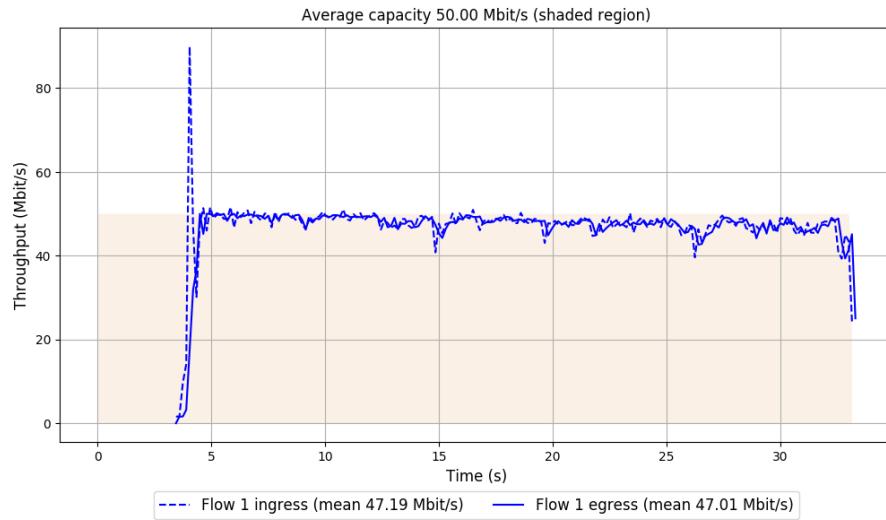
Run 9: Statistics of Indigo

Start at: 2019-10-27 05:55:19

End at: 2019-10-27 05:55:49

```
# Below is generated by plot.py at 2019-10-27 06:29:05
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 47.01 Mbit/s (94.0% utilization)
95th percentile per-packet one-way delay: 48.128 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 48.128 ms
Loss rate: 0.54%
```

## Run 9: Report of Indigo — Data Link

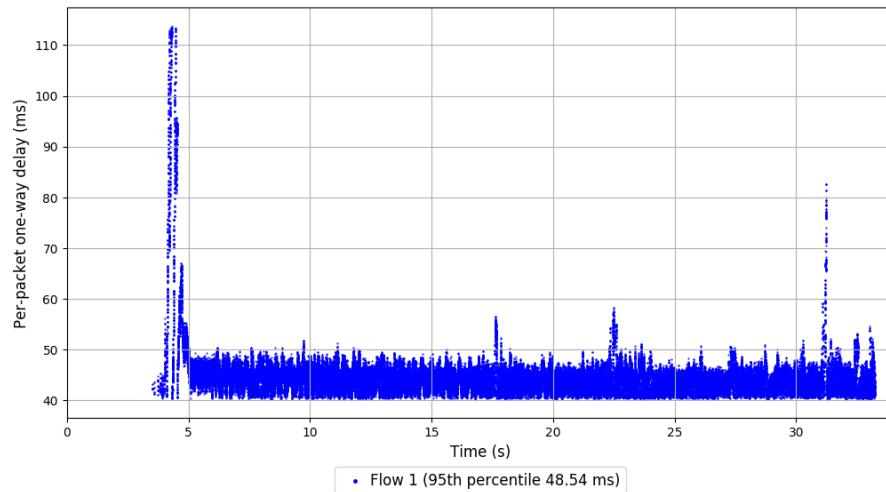
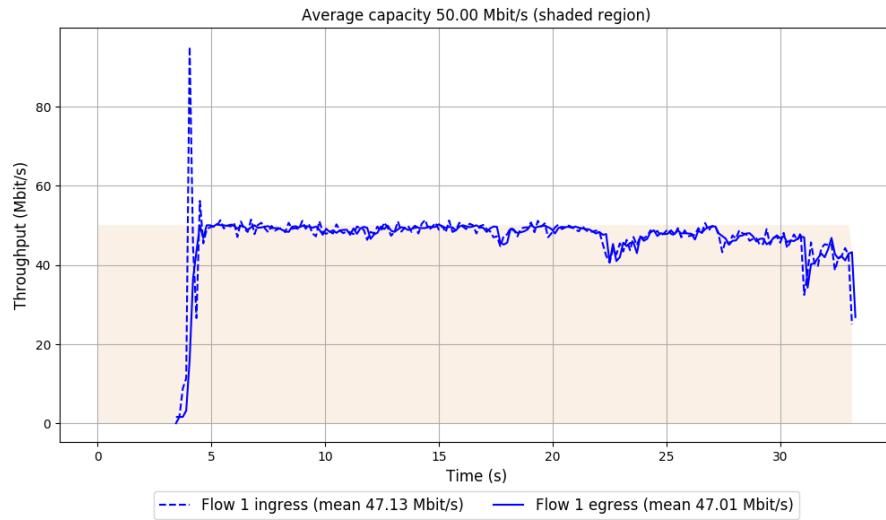


```
Run 10: Statistics of Indigo

Start at: 2019-10-27 06:01:21
End at: 2019-10-27 06:01:51

# Below is generated by plot.py at 2019-10-27 06:29:09
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 47.01 Mbit/s (94.0% utilization)
95th percentile per-packet one-way delay: 48.540 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 48.540 ms
Loss rate: 0.40%
```

## Run 10: Report of Indigo — Data Link

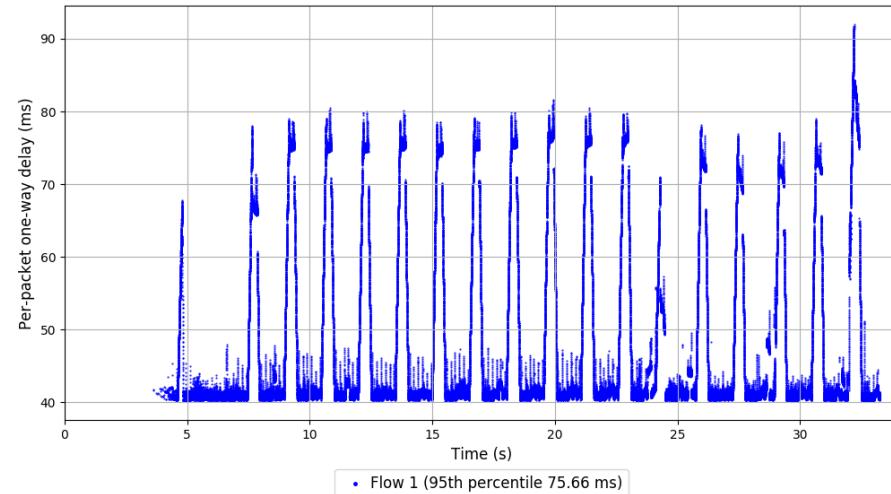
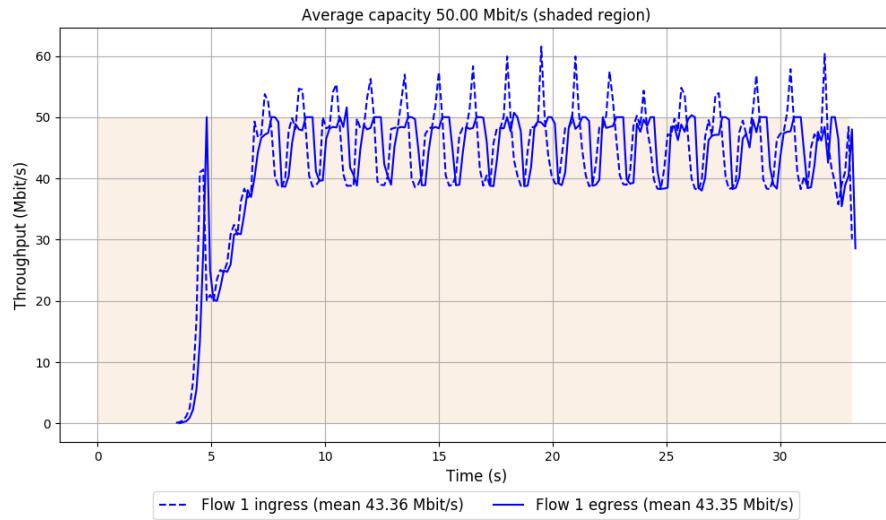


```
Run 1: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:05:41
End at: 2019-10-27 05:06:11

# Below is generated by plot.py at 2019-10-27 06:29:21
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 43.35 Mbit/s (86.7% utilization)
95th percentile per-packet one-way delay: 75.663 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 43.35 Mbit/s
95th percentile per-packet one-way delay: 75.663 ms
Loss rate: 0.16%
```

## Run 1: Report of Synthesized-BBR — Data Link



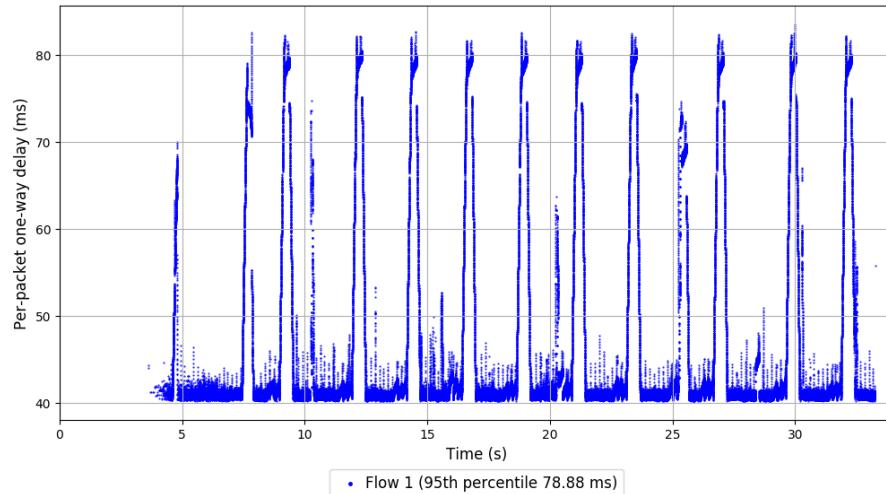
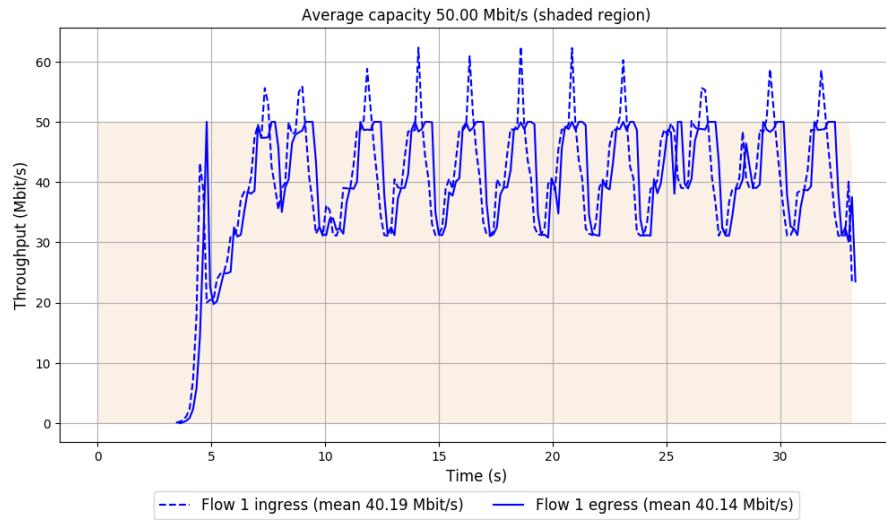
Run 2: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:11:45

End at: 2019-10-27 05:12:15

```
# Below is generated by plot.py at 2019-10-27 06:29:21
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 40.14 Mbit/s (80.3% utilization)
95th percentile per-packet one-way delay: 78.884 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 78.884 ms
Loss rate: 0.21%
```

## Run 2: Report of Synthesized-BBR — Data Link



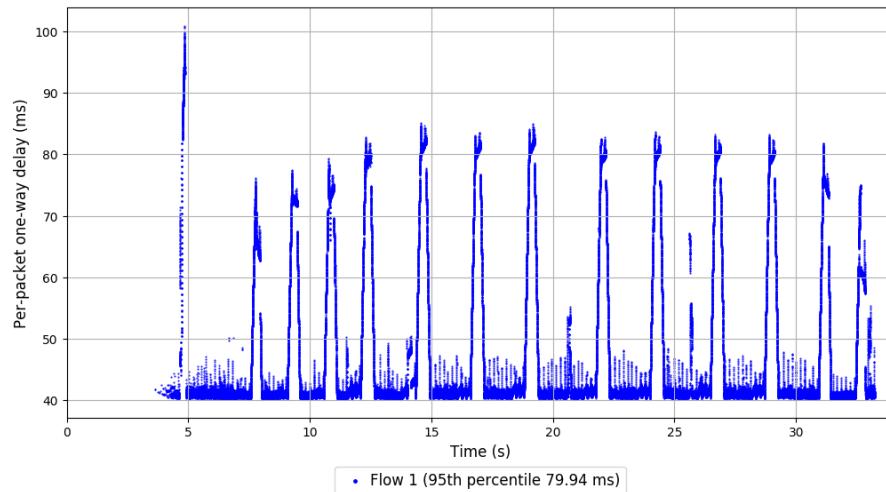
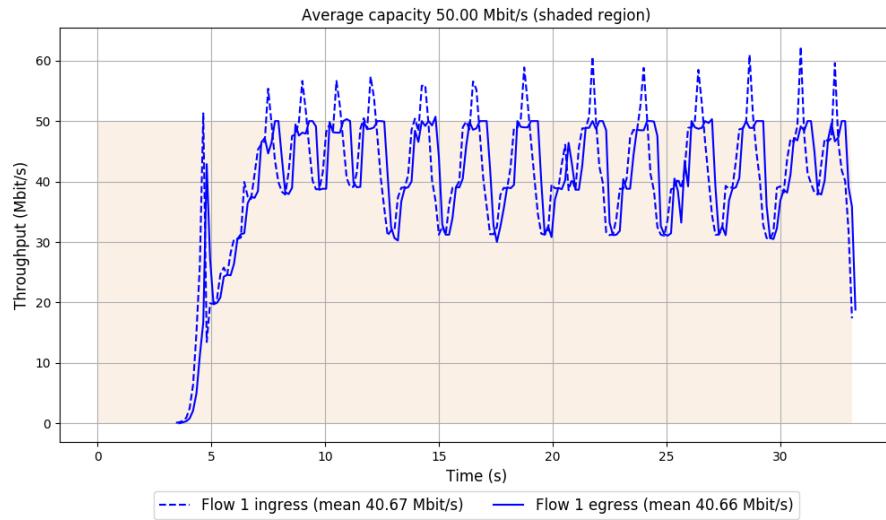
Run 3: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:17:48

End at: 2019-10-27 05:18:18

```
# Below is generated by plot.py at 2019-10-27 06:29:36
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 40.66 Mbit/s (81.3% utilization)
95th percentile per-packet one-way delay: 79.936 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 79.936 ms
Loss rate: 0.16%
```

### Run 3: Report of Synthesized-BBR — Data Link



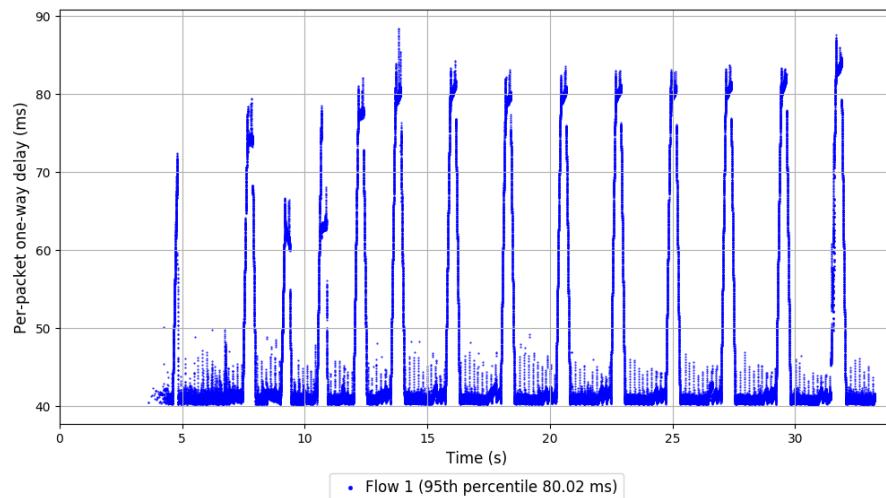
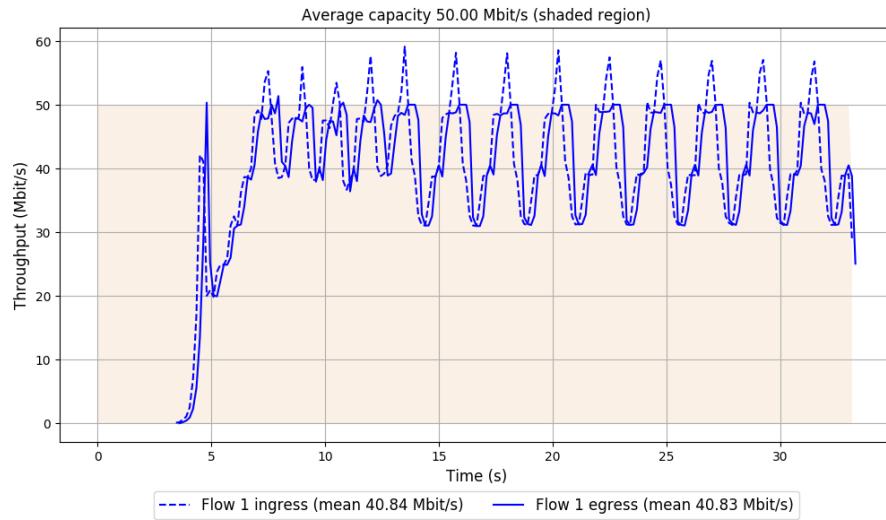
Run 4: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:23:48

End at: 2019-10-27 05:24:18

```
# Below is generated by plot.py at 2019-10-27 06:29:36
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 40.83 Mbit/s (81.7% utilization)
95th percentile per-packet one-way delay: 80.020 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 40.83 Mbit/s
95th percentile per-packet one-way delay: 80.020 ms
Loss rate: 0.17%
```

#### Run 4: Report of Synthesized-BBR — Data Link



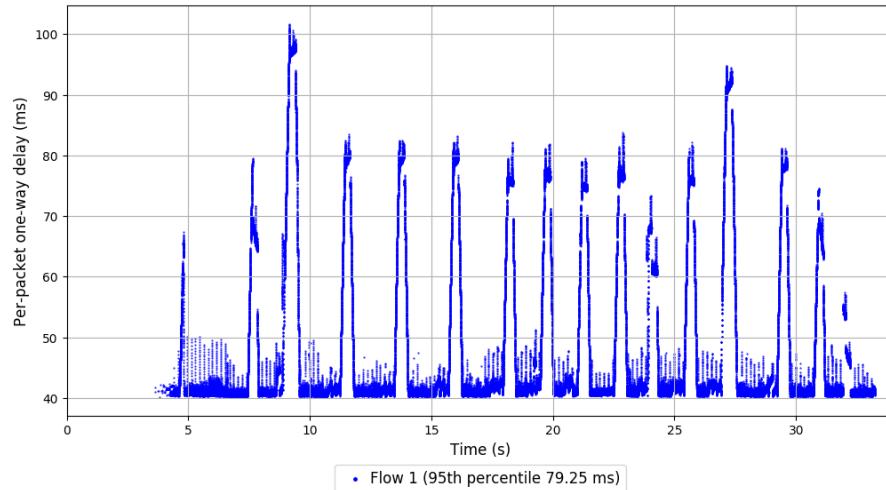
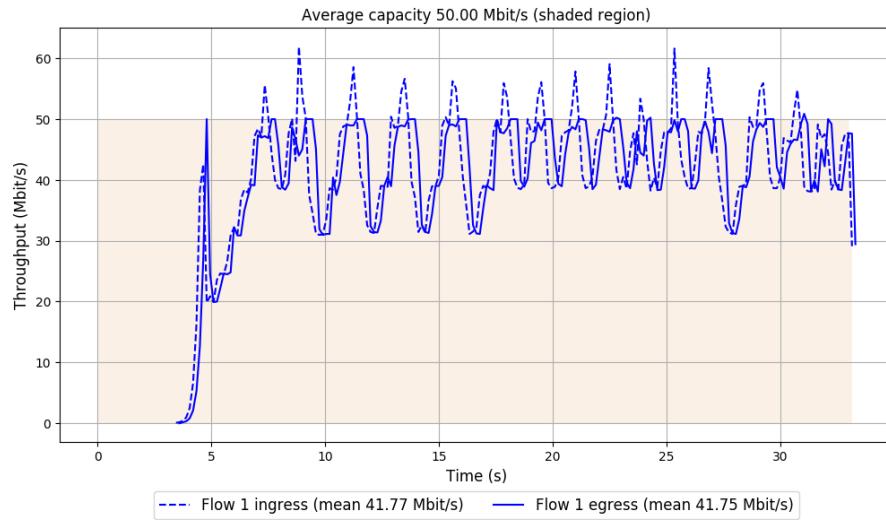
Run 5: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:29:52

End at: 2019-10-27 05:30:22

```
# Below is generated by plot.py at 2019-10-27 06:29:46
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 41.75 Mbit/s (83.5% utilization)
95th percentile per-packet one-way delay: 79.248 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 79.248 ms
Loss rate: 0.20%
```

## Run 5: Report of Synthesized-BBR — Data Link



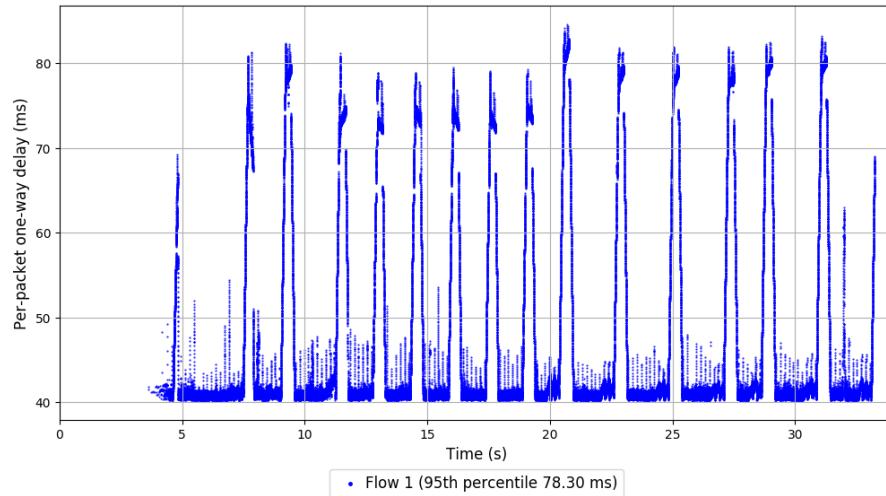
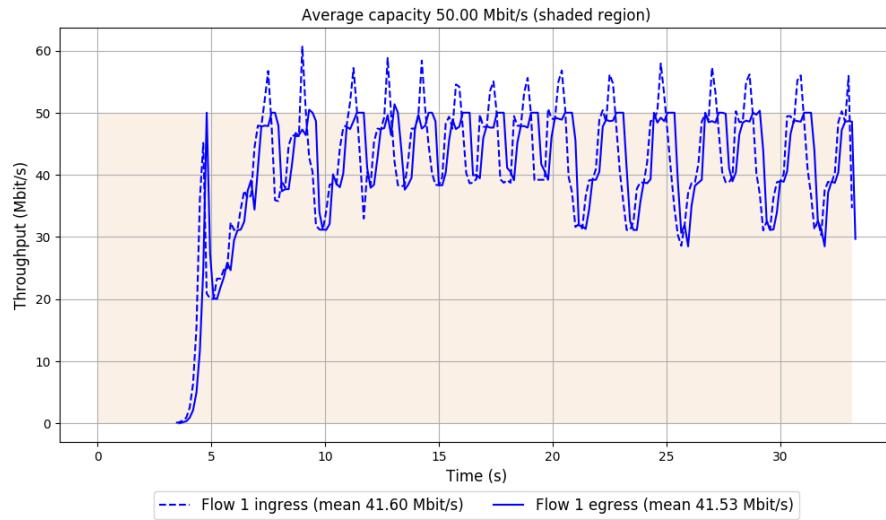
Run 6: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:35:57

End at: 2019-10-27 05:36:27

```
# Below is generated by plot.py at 2019-10-27 06:29:49
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 41.53 Mbit/s (83.1% utilization)
95th percentile per-packet one-way delay: 78.303 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 78.303 ms
Loss rate: 0.32%
```

## Run 6: Report of Synthesized-BBR — Data Link



Run 7: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:42:01

End at: 2019-10-27 05:42:31

# Below is generated by plot.py at 2019-10-27 06:30:04

# Datalink statistics

-- Total of 1 flow:

Average capacity: 50.00 Mbit/s

Average throughput: 42.32 Mbit/s (84.6% utilization)

95th percentile per-packet one-way delay: 76.773 ms

Loss rate: 0.29%

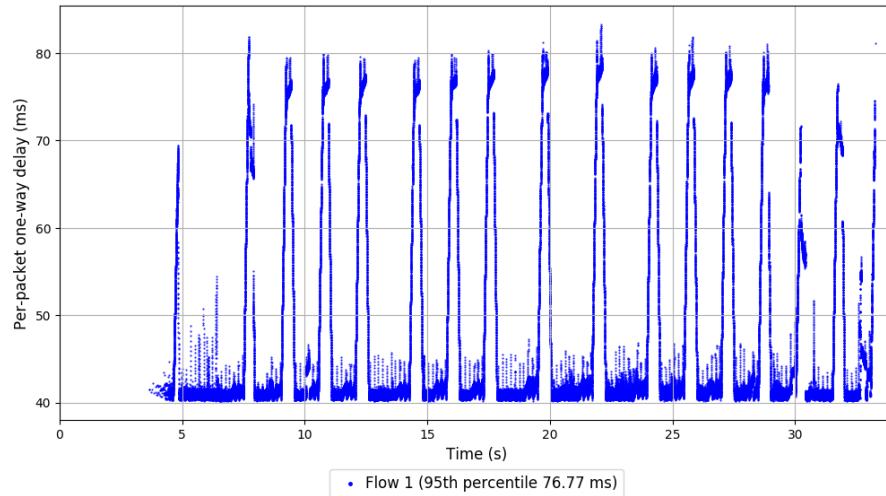
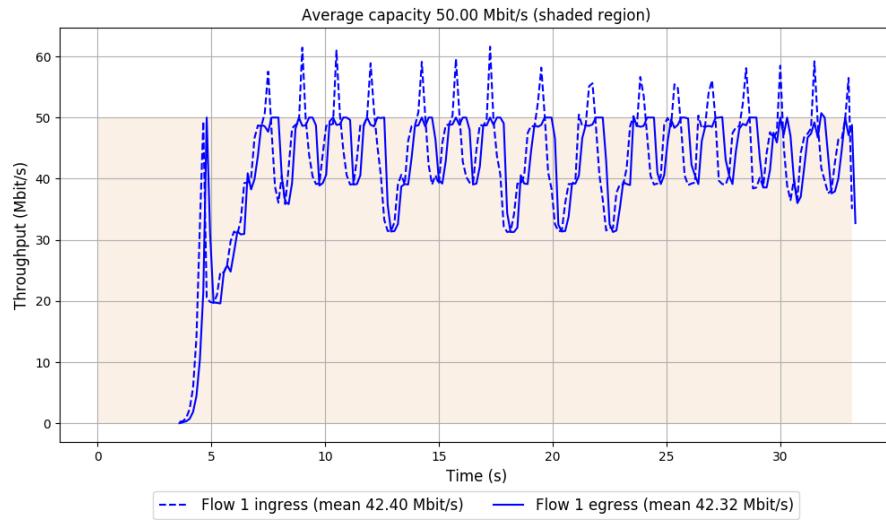
-- Flow 1:

Average throughput: 42.32 Mbit/s

95th percentile per-packet one-way delay: 76.773 ms

Loss rate: 0.29%

## Run 7: Report of Synthesized-BBR — Data Link



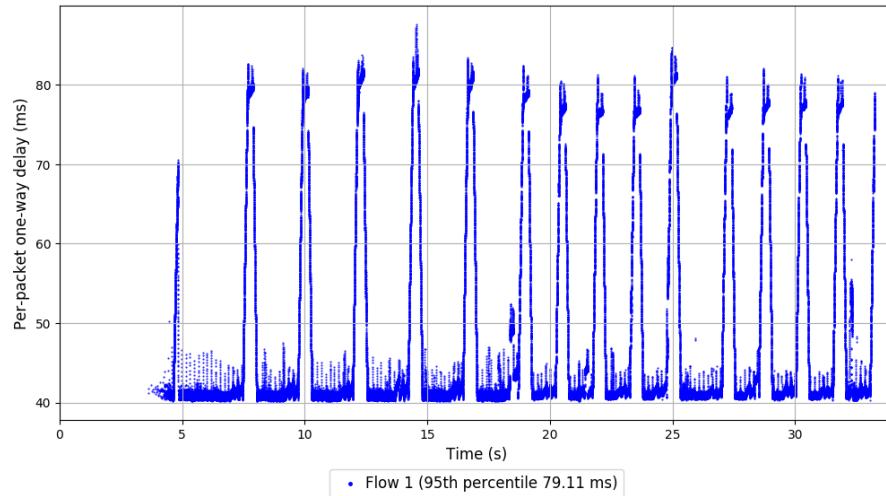
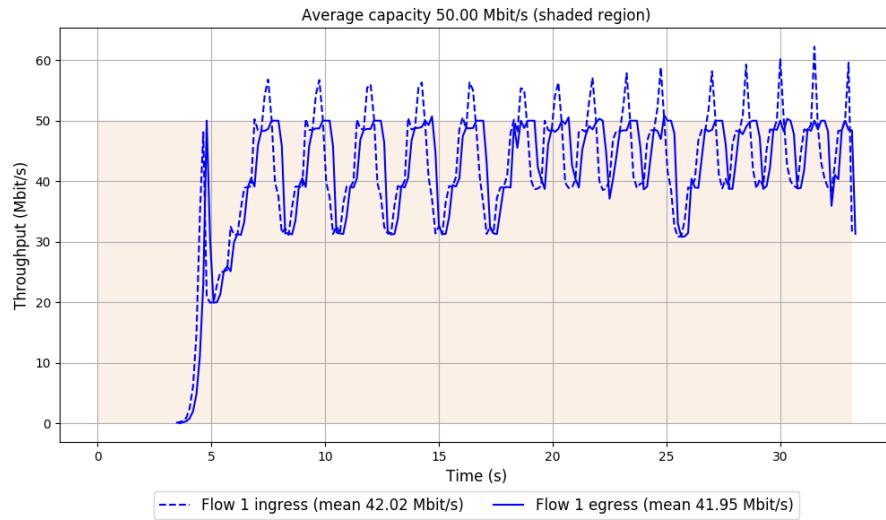
Run 8: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:48:02

End at: 2019-10-27 05:48:32

```
# Below is generated by plot.py at 2019-10-27 06:30:04
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 41.95 Mbit/s (83.9% utilization)
95th percentile per-packet one-way delay: 79.115 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 79.115 ms
Loss rate: 0.31%
```

## Run 8: Report of Synthesized-BBR — Data Link



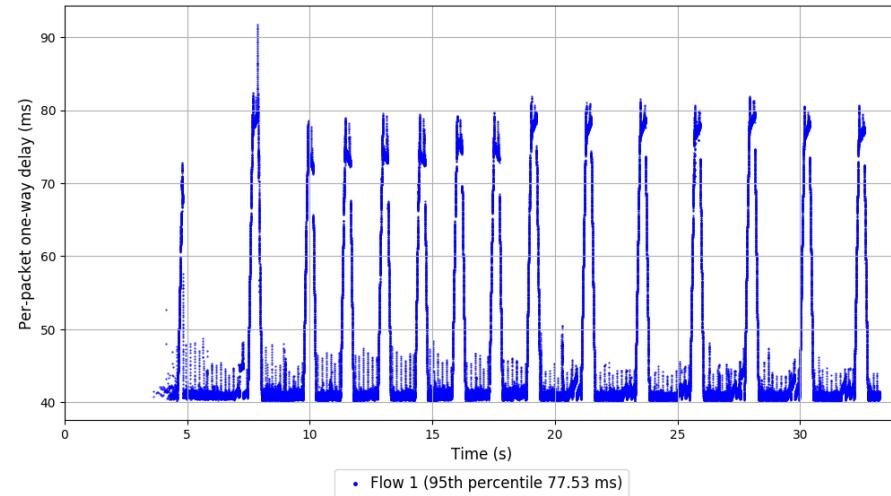
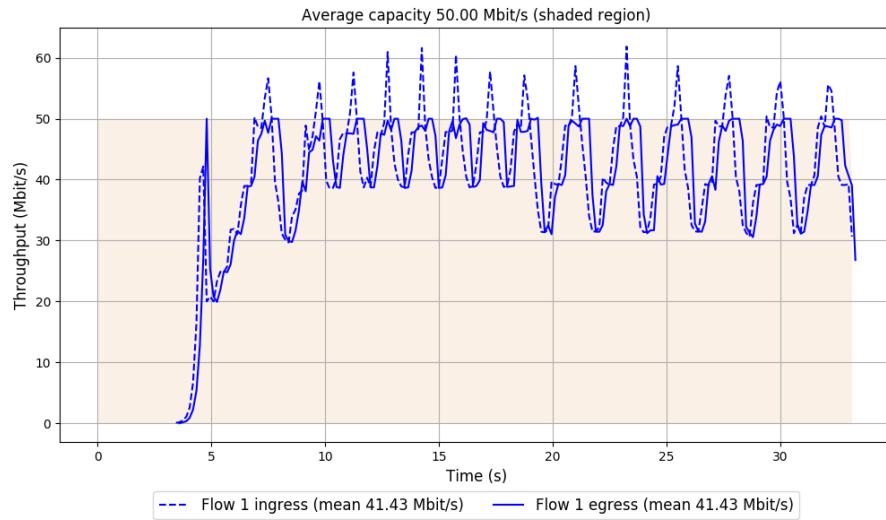
Run 9: Statistics of Synthesized-BBR

Start at: 2019-10-27 05:54:06

End at: 2019-10-27 05:54:36

```
# Below is generated by plot.py at 2019-10-27 06:30:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 41.43 Mbit/s (82.9% utilization)
95th percentile per-packet one-way delay: 77.526 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 77.526 ms
Loss rate: 0.17%
```

## Run 9: Report of Synthesized-BBR — Data Link



```
Run 10: Statistics of Synthesized-BBR

Start at: 2019-10-27 06:00:08
End at: 2019-10-27 06:00:38

# Below is generated by plot.py at 2019-10-27 06:30:10
# Datalink statistics
-- Total of 1 flow:
Average capacity: 50.00 Mbit/s
Average throughput: 42.90 Mbit/s (85.8% utilization)
95th percentile per-packet one-way delay: 76.260 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 42.90 Mbit/s
95th percentile per-packet one-way delay: 76.260 ms
Loss rate: 0.13%
```

Run 10: Report of Synthesized-BBR — Data Link

