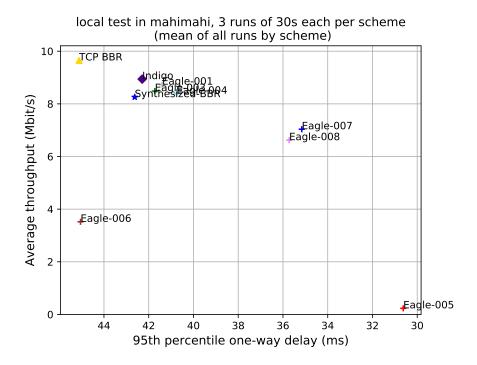
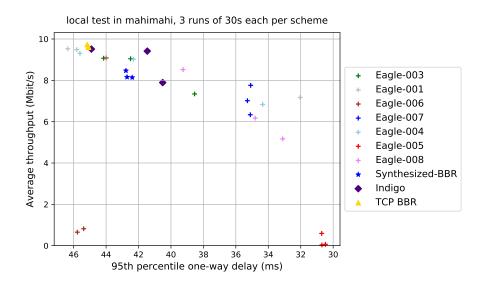
Pantheon Report

```
Generated at 2019-10-27 04:21:40 (UTC).
  Tested in mahimahi: mm-delay 28 mm-link 10mbps.trace 50mbps.trace
--uplink-queue=droptail --uplink-queue-args=packets=14
   Repeated the test of 10 congestion control schemes 3 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 @ c8a1737b3c84d7d49eada5b8785045d272a70120
third_party/eagle-v3 @ d5f1ab4416fa417052ddc65de5dbdbd20955d293
M sender-receiver/sender-receiver/sender_receiver/envs/__pycache__/datagram_pb2.cpython-36
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
 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-240ite
 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 @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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
 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
 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.cpy
 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





		mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate $(\%)$
scheme	# runs	flow 1	flow 1	flow 1
TCP BBR	3	9.65	45.11	3.79
Eagle-001	3	8.73	41.40	5.28
Eagle-003	3	8.49	41.73	0.98
Eagle-004	3	8.39	40.76	2.39
Eagle- 005	3	0.23	30.63	0.05
Eagle-006	3	3.52	45.05	7.93
Eagle- 007	3	7.04	35.16	1.36
Eagle-008	3	6.62	35.72	1.50
Indigo	3	8.94	42.29	6.75
Synthesized-BBR	3	8.26	42.62	0.80

Run 1: Statistics of TCP BBR

Start at: 2019-10-27 04:04:26 End at: 2019-10-27 04:04:56

Below is generated by plot.py at 2019-10-27 04:20:51

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.60 Mbit/s (96.0% utilization) 95th percentile per-packet one-way delay: 45.080 ms

Loss rate: 3.49%

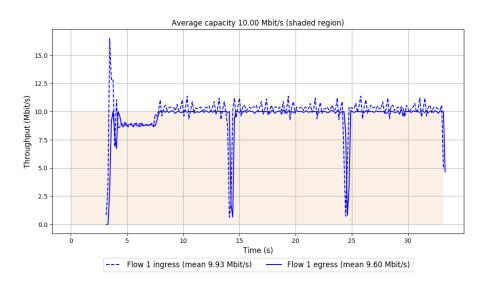
-- Flow 1:

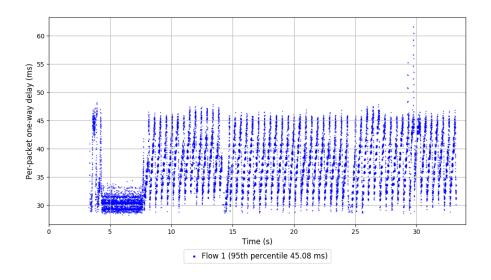
Average throughput: 9.60 Mbit/s

95th percentile per-packet one-way delay: 45.080 ms

Loss rate: 3.49%

Run 1: Report of TCP BBR — Data Link





Run 2: Statistics of TCP BBR

Start at: 2019-10-27 04:10:11 End at: 2019-10-27 04:10:41

Below is generated by plot.py at 2019-10-27 04:20:53

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.63 Mbit/s (96.2% utilization) 95th percentile per-packet one-way delay: 45.085 ms

Loss rate: 3.81%

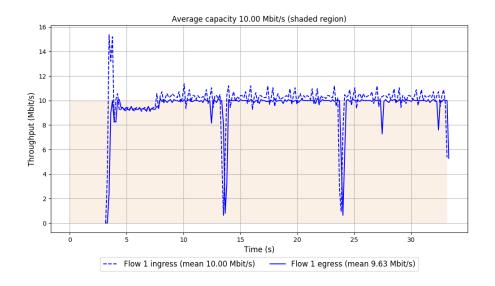
-- Flow 1:

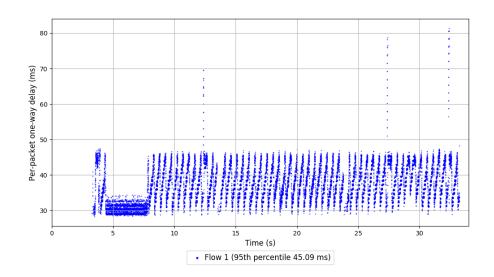
Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 45.085 ms

Loss rate: 3.81%

Run 2: Report of TCP BBR — Data Link





Run 3: Statistics of TCP BBR

Start at: 2019-10-27 04:15:57 End at: 2019-10-27 04:16:27

Below is generated by plot.py at 2019-10-27 04:20:53

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.73 Mbit/s (97.3% utilization) 95th percentile per-packet one-way delay: 45.165 ms

Loss rate: 4.08%

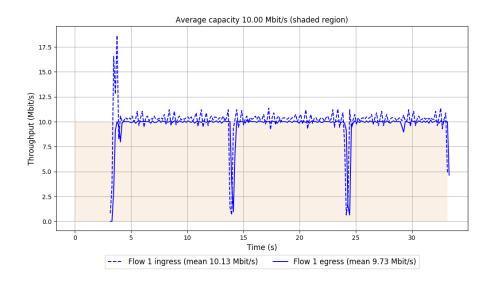
-- Flow 1:

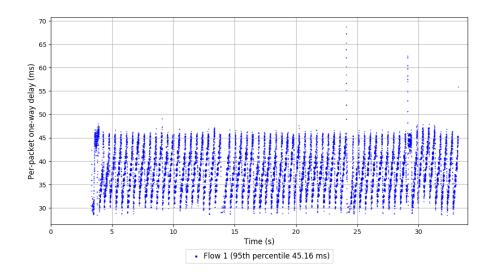
Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 45.165 ms

Loss rate: 4.08%

Run 3: Report of TCP BBR — Data Link





Start at: 2019-10-27 03:59:49 End at: 2019-10-27 04:00:19

Below is generated by plot.py at 2019-10-27 04:20:53

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.49 Mbit/s (94.9% utilization) 95th percentile per-packet one-way delay: 45.810 ms

Loss rate: 7.02%

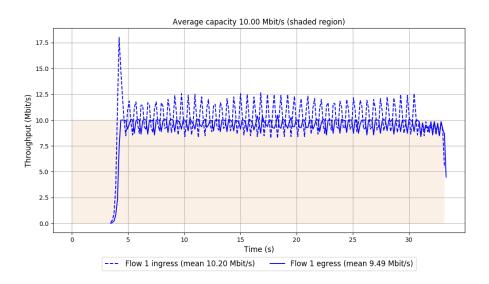
-- Flow 1:

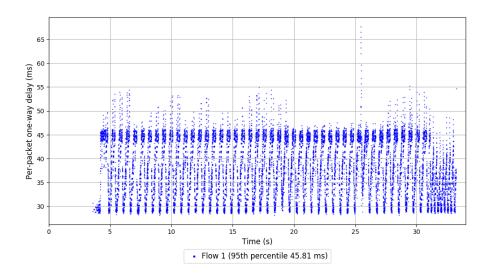
Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 45.810 ms

Loss rate: 7.02%

Run 1: Report of Eagle-001 — Data Link





Start at: 2019-10-27 04:05:35 End at: 2019-10-27 04:06:05

Below is generated by plot.py at 2019-10-27 04:20:58

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.53 Mbit/s (95.3% utilization) 95th percentile per-packet one-way delay: 46.362 ms

Loss rate: 7.54%

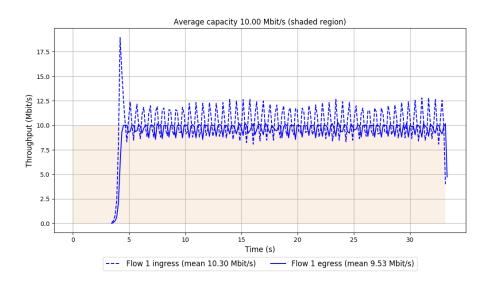
-- Flow 1:

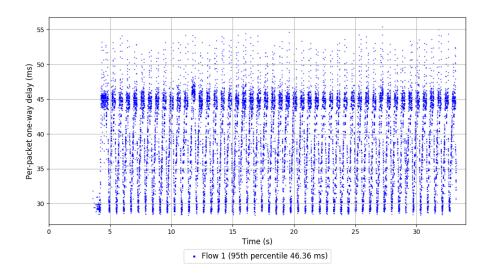
Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 46.362 ms

Loss rate: 7.54%

Run 2: Report of Eagle-001 — Data Link





Start at: 2019-10-27 04:11:20 End at: 2019-10-27 04:11:50

Below is generated by plot.py at 2019-10-27 04:20:59

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 7.17 Mbit/s (71.7% utilization) 95th percentile per-packet one-way delay: 32.029 ms

Loss rate: 1.29%

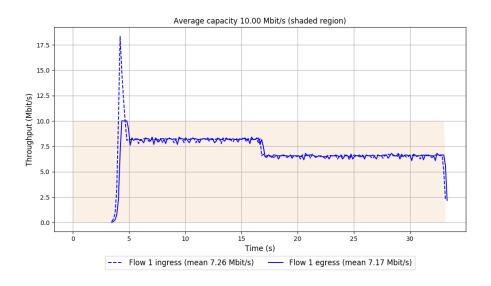
-- Flow 1:

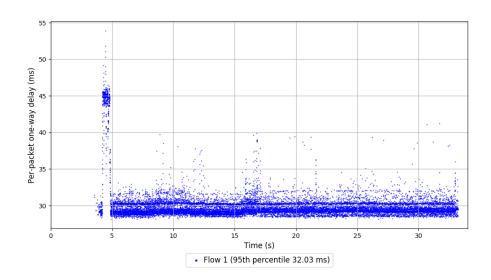
Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 32.029 ms

Loss rate: 1.29%

Run 3: Report of Eagle-001 — Data Link





Start at: 2019-10-27 04:00:24 End at: 2019-10-27 04:00:54

Below is generated by plot.py at 2019-10-27 04:21:00

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.07 Mbit/s (90.7% utilization) 95th percentile per-packet one-way delay: 44.151 ms

Loss rate: 1.57%

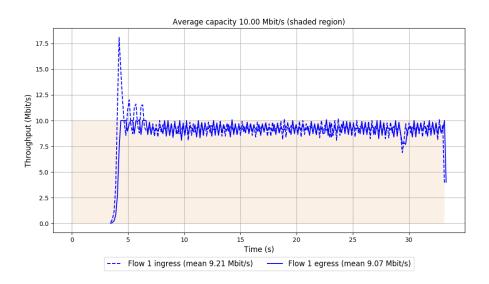
-- Flow 1:

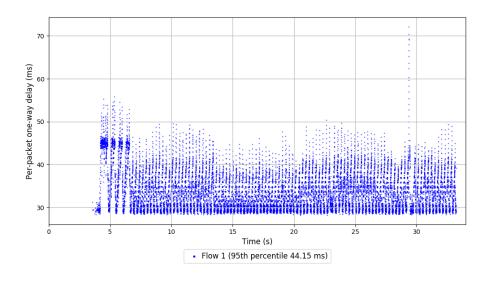
Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 44.151 ms

Loss rate: 1.57%

Run 1: Report of Eagle-003 — Data Link





Start at: 2019-10-27 04:06:10 End at: 2019-10-27 04:06:40

Below is generated by plot.py at 2019-10-27 04:21:02

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.05 Mbit/s (90.5% utilization) 95th percentile per-packet one-way delay: 42.487 ms

Loss rate: 1.23%

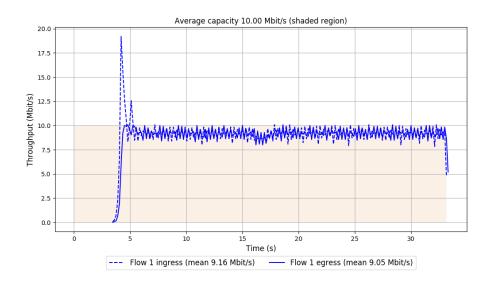
-- Flow 1:

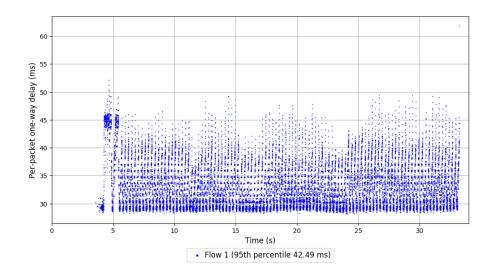
Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 42.487 ms

Loss rate: 1.23%

Run 2: Report of Eagle-003 — Data Link





Start at: 2019-10-27 04:11:55 End at: 2019-10-27 04:12:25

Below is generated by plot.py at 2019-10-27 04:21:06

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 7.34 Mbit/s (73.4% utilization) 95th percentile per-packet one-way delay: 38.543 ms

Loss rate: 0.15%

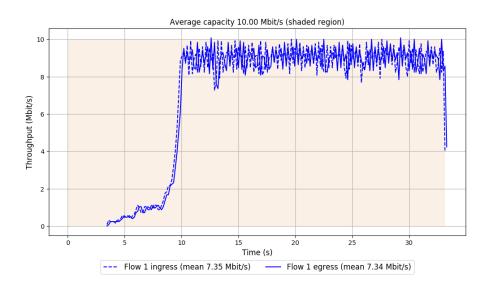
-- Flow 1:

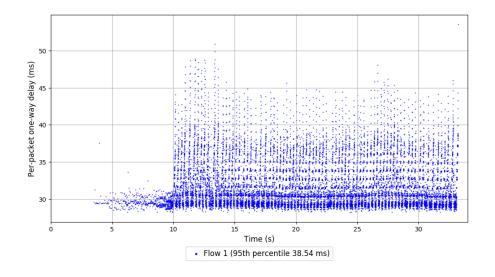
Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 38.543 ms

Loss rate: 0.15%

Run 3: Report of Eagle-003 — Data Link





Start at: 2019-10-27 04:00:59 End at: 2019-10-27 04:01:29

Below is generated by plot.py at 2019-10-27 04:21:08

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.31 Mbit/s (93.0% utilization) 95th percentile per-packet one-way delay: 45.612 ms

Loss rate: 4.56%

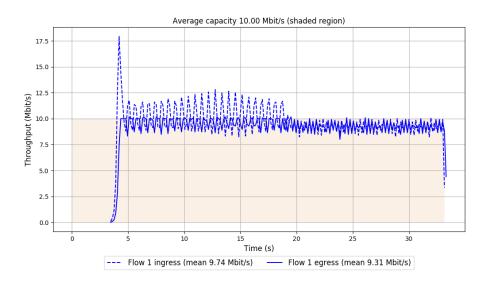
-- Flow 1:

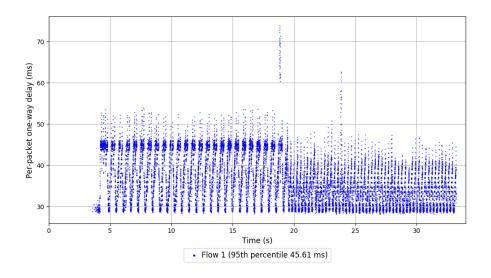
Average throughput: 9.31 Mbit/s

95th percentile per-packet one-way delay: 45.612 ms

Loss rate: 4.56%

Run 1: Report of Eagle-004 — Data Link





Start at: 2019-10-27 04:06:44 End at: 2019-10-27 04:07:14

Below is generated by plot.py at 2019-10-27 04:21:08

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 6.83 Mbit/s (68.3% utilization) 95th percentile per-packet one-way delay: 34.347 ms

Loss rate: 1.37%

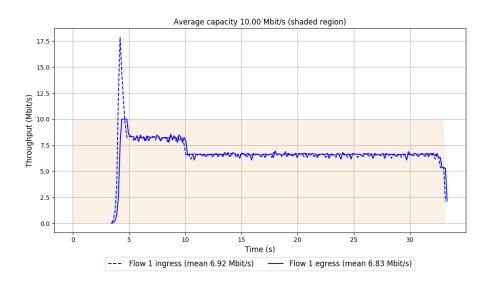
-- Flow 1:

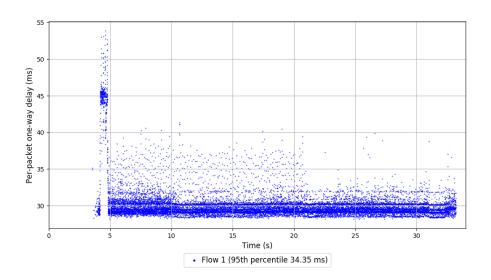
Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 34.347 ms

Loss rate: 1.37%

Run 2: Report of Eagle-004 — Data Link





Start at: 2019-10-27 04:12:30 End at: 2019-10-27 04:13:00

Below is generated by plot.py at 2019-10-27 04:21:11

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.02 Mbit/s (90.2% utilization) 95th percentile per-packet one-way delay: 42.310 ms

Loss rate: 1.25%

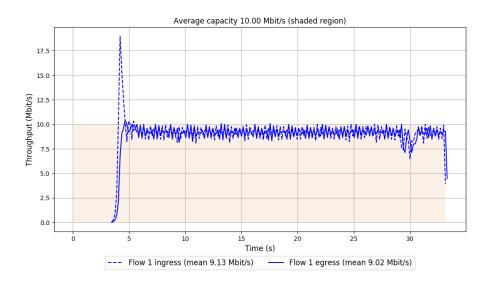
-- Flow 1:

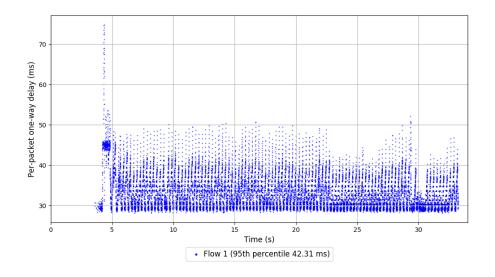
Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 42.310 ms

Loss rate: 1.25%

Run 3: Report of Eagle-004 — Data Link





Start at: 2019-10-27 04:01:33 End at: 2019-10-27 04:02:04

Below is generated by plot.py at 2019-10-27 04:21:11

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 0.04 Mbit/s (0.4% utilization) 95th percentile per-packet one-way delay: 30.694 ms

Loss rate: 0.00%

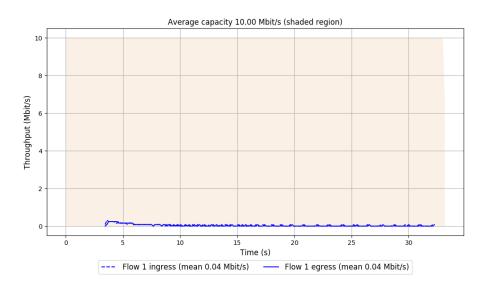
-- Flow 1:

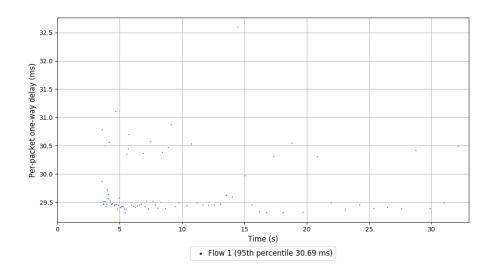
Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 30.694 ms

Loss rate: 0.00%

Run 1: Report of Eagle-005 — Data Link





Start at: 2019-10-27 04:07:19 End at: 2019-10-27 04:07:49

Below is generated by plot.py at 2019-10-27 04:21:11

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 0.07 Mbit/s (0.7% utilization) 95th percentile per-packet one-way delay: 30.474 ms

Loss rate: 0.00%

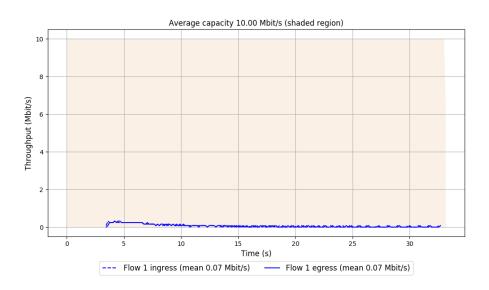
-- Flow 1:

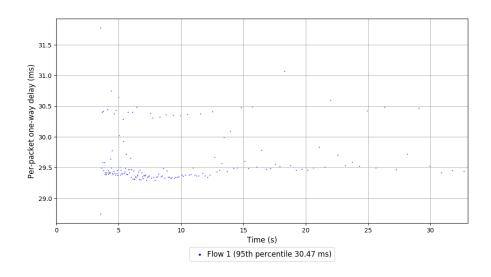
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 30.474 ms

Loss rate: 0.00%

Run 2: Report of Eagle-005 — Data Link





Start at: 2019-10-27 04:13:04 End at: 2019-10-27 04:13:34

Below is generated by plot.py at 2019-10-27 04:21:13

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 0.59 Mbit/s (5.9% utilization) 95th percentile per-packet one-way delay: 30.708 ms

Loss rate: 0.14%

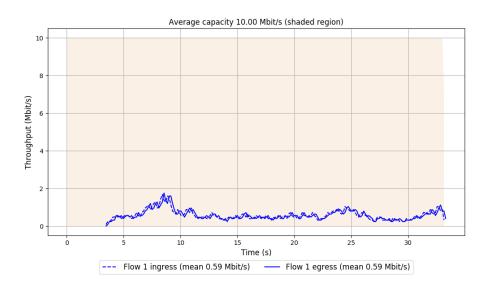
-- Flow 1:

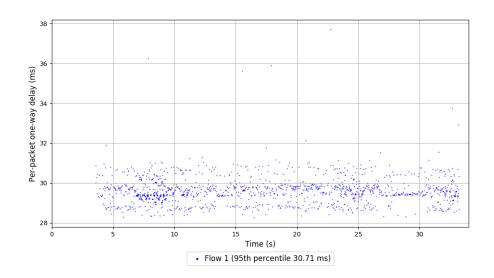
Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 30.708 ms

Loss rate: 0.14%

Run 3: Report of Eagle-005 — Data Link





Start at: 2019-10-27 04:02:08 End at: 2019-10-27 04:02:38

Below is generated by plot.py at 2019-10-27 04:21:14

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 0.82 Mbit/s (8.2% utilization) 95th percentile per-packet one-way delay: 45.380 ms

Loss rate: 9.96%

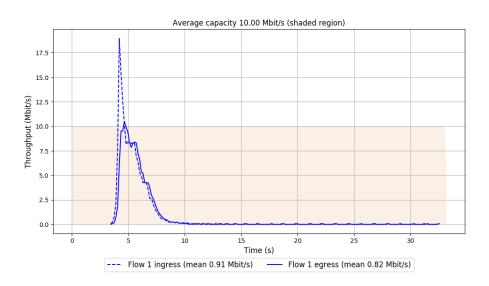
-- Flow 1:

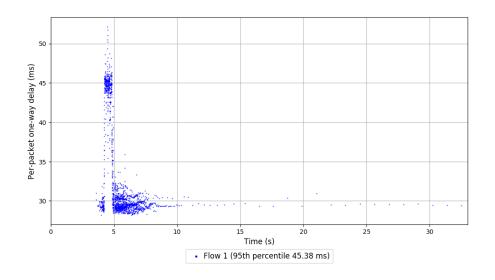
Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 45.380 ms

Loss rate: 9.96%

Run 1: Report of Eagle-006 — Data Link





Run 2: Statistics of Eagle-006

Start at: 2019-10-27 04:07:53 End at: 2019-10-27 04:08:23

Below is generated by plot.py at 2019-10-27 04:21:15

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 0.65 Mbit/s (6.5% utilization) 95th percentile per-packet one-way delay: 45.772 ms

Loss rate: 12.33%

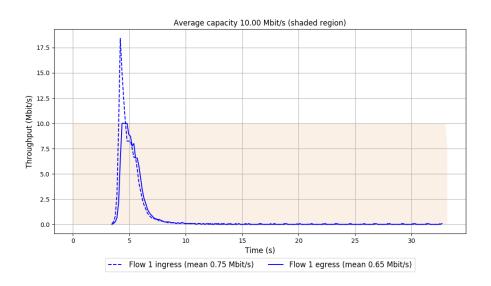
-- Flow 1:

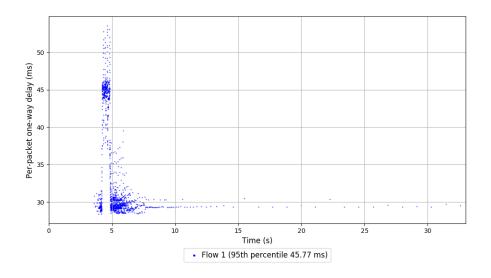
Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 45.772 ms

Loss rate: 12.33%

Run 2: Report of Eagle-006 — Data Link





Run 3: Statistics of Eagle-006

Start at: 2019-10-27 04:13:38 End at: 2019-10-27 04:14:09

Below is generated by plot.py at 2019-10-27 04:21:19

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.08 Mbit/s (90.8% utilization) 95th percentile per-packet one-way delay: 43.993 ms

Loss rate: 1.51%

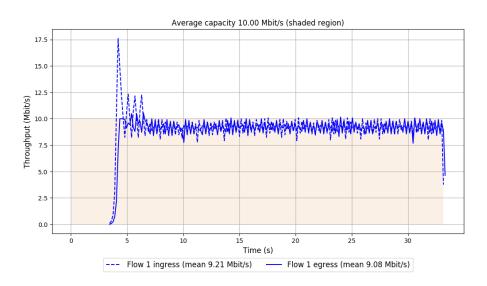
-- Flow 1:

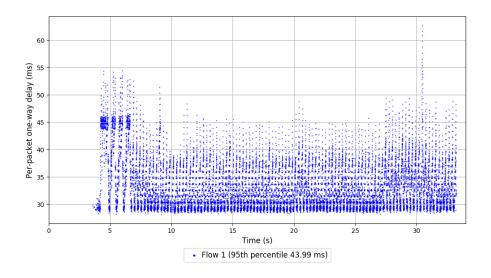
Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 43.993 ms

Loss rate: 1.51%

Run 3: Report of Eagle-006 — Data Link





Run 1: Statistics of Eagle-007

Start at: 2019-10-27 04:02:42 End at: 2019-10-27 04:03:12

Below is generated by plot.py at 2019-10-27 04:21:19

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 7.02 Mbit/s (70.1% utilization) 95th percentile per-packet one-way delay: 35.286 ms

Loss rate: 1.36%

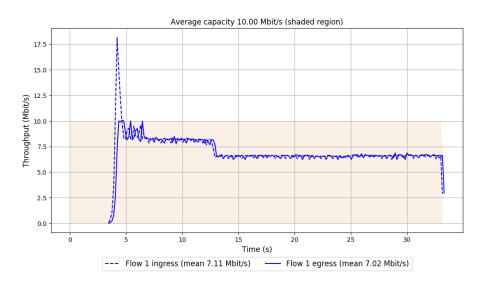
-- Flow 1:

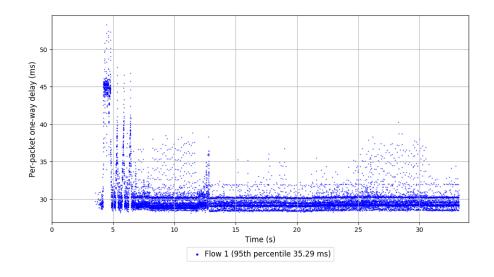
Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 35.286 ms

Loss rate: 1.36%

Run 1: Report of Eagle-007 — Data Link





Run 2: Statistics of Eagle-007

Start at: 2019-10-27 04:08:27 End at: 2019-10-27 04:08:57

Below is generated by plot.py at 2019-10-27 04:21:22

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 7.76 Mbit/s (77.6% utilization) 95th percentile per-packet one-way delay: 35.087 ms

Loss rate: 1.22%

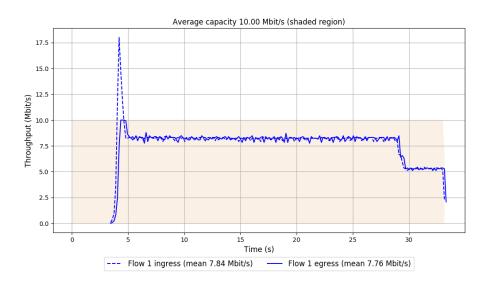
-- Flow 1:

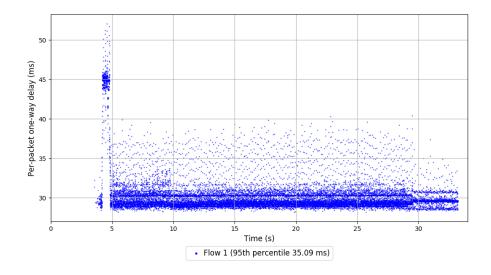
Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 35.087 ms

Loss rate: 1.22%

Run 2: Report of Eagle-007 — Data Link





Run 3: Statistics of Eagle-007

Start at: 2019-10-27 04:14:13 End at: 2019-10-27 04:14:43

Below is generated by plot.py at 2019-10-27 04:21:23

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 6.34 Mbit/s (63.4% utilization) 95th percentile per-packet one-way delay: 35.108 ms

Loss rate: 1.50%

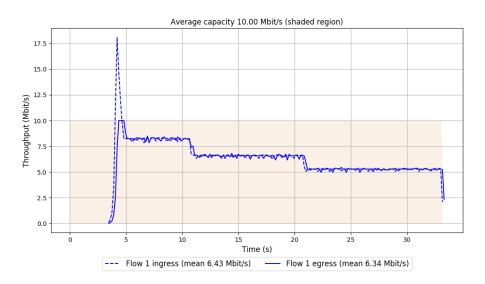
-- Flow 1:

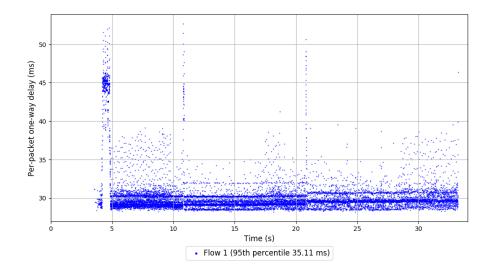
Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 35.108 ms

Loss rate: 1.50%

Run 3: Report of Eagle-007 — Data Link





Run 1: Statistics of Eagle-008

Start at: 2019-10-27 04:03:17 End at: 2019-10-27 04:03:47

Below is generated by plot.py at 2019-10-27 04:21:26

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 6.17 Mbit/s (61.7% utilization) 95th percentile per-packet one-way delay: 34.803 ms

Loss rate: 1.49%

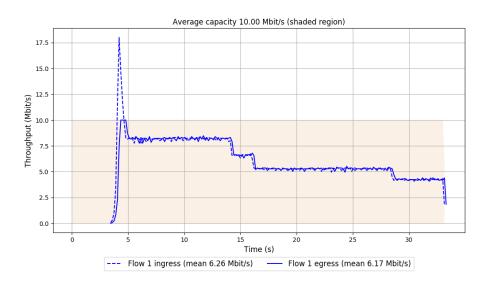
-- Flow 1:

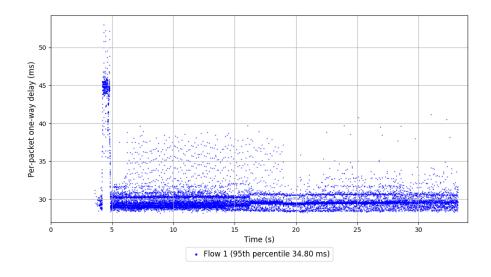
Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 34.803 ms

Loss rate: 1.49%

Run 1: Report of Eagle-008 — Data Link





Run 2: Statistics of Eagle-008

Start at: 2019-10-27 04:09:02 End at: 2019-10-27 04:09:32

Below is generated by plot.py at 2019-10-27 04:21:26

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 5.17 Mbit/s (51.7% utilization) 95th percentile per-packet one-way delay: 33.113 ms

Loss rate: 1.81%

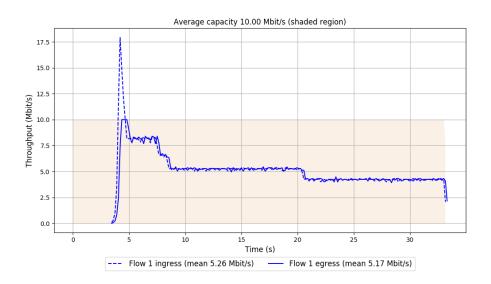
-- Flow 1:

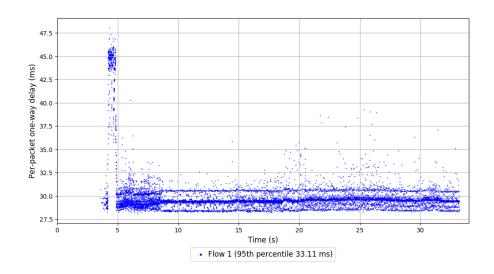
Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 33.113 ms

Loss rate: 1.81%

Run 2: Report of Eagle-008 — Data Link





Run 3: Statistics of Eagle-008

Start at: 2019-10-27 04:14:48 End at: 2019-10-27 04:15:18

Below is generated by plot.py at 2019-10-27 04:21:31

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 8.52 Mbit/s (85.2% utilization) 95th percentile per-packet one-way delay: 39.254 ms

Loss rate: 1.19%

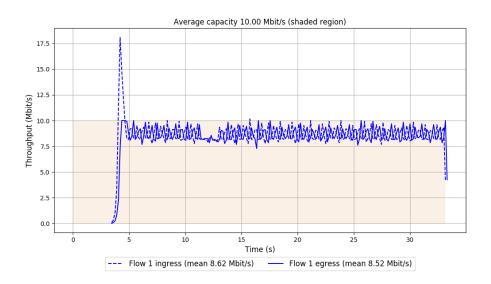
-- Flow 1:

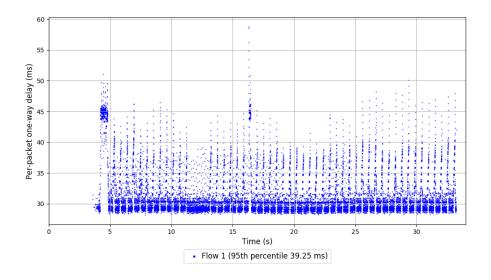
Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 39.254 ms

Loss rate: 1.19%

Run 3: Report of Eagle-008 — Data Link





Run 1: Statistics of Indigo

Start at: 2019-10-27 04:05:00 End at: 2019-10-27 04:05:30

Below is generated by plot.py at 2019-10-27 04:21:34

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.51 Mbit/s (95.1% utilization) 95th percentile per-packet one-way delay: 44.905 ms

Loss rate: 16.43%

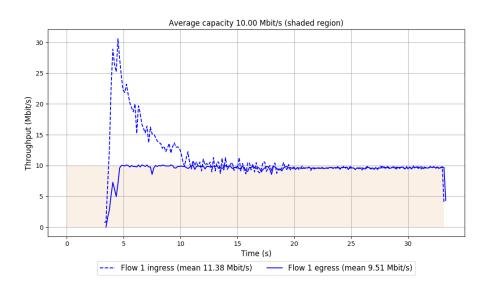
-- Flow 1:

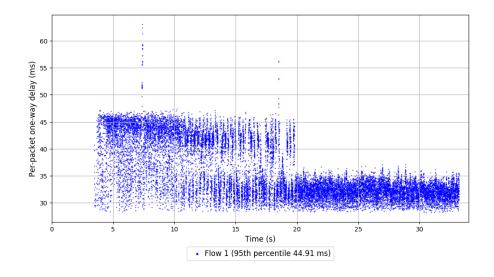
Average throughput: 9.51 Mbit/s

95th percentile per-packet one-way delay: 44.905 ms

Loss rate: 16.43%

Run 1: Report of Indigo — Data Link





Run 2: Statistics of Indigo

Start at: 2019-10-27 04:10:46 End at: 2019-10-27 04:11:16

Below is generated by plot.py at 2019-10-27 04:21:34

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 9.41 Mbit/s (94.1% utilization) 95th percentile per-packet one-way delay: 41.460 ms

Loss rate: 1.62%

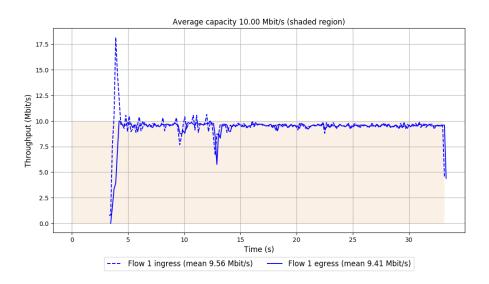
-- Flow 1:

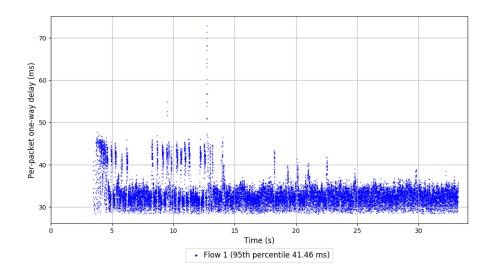
Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 41.460 ms

Loss rate: 1.62%

Run 2: Report of Indigo — Data Link





Run 3: Statistics of Indigo

Start at: 2019-10-27 04:16:32 End at: 2019-10-27 04:17:02

Below is generated by plot.py at 2019-10-27 04:21:34

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 7.89 Mbit/s (78.9% utilization) 95th percentile per-packet one-way delay: 40.509 ms

Loss rate: 2.19%

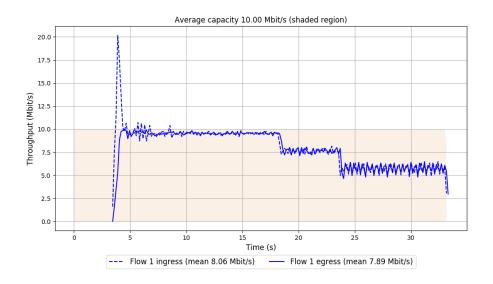
-- Flow 1:

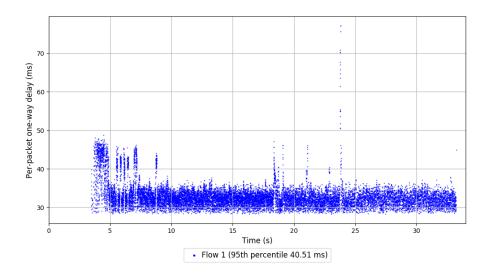
Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 40.509 ms

Loss rate: 2.19%

Run 3: Report of Indigo — Data Link





Run 1: Statistics of Synthesized-BBR

Start at: 2019-10-27 04:03:51 End at: 2019-10-27 04:04:21

Below is generated by plot.py at 2019-10-27 04:21:38

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 8.14 Mbit/s (81.4% utilization) 95th percentile per-packet one-way delay: 42.388 ms

Loss rate: 0.84%

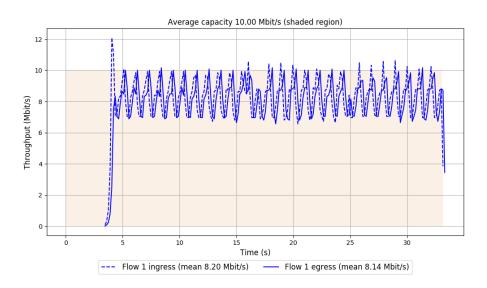
-- Flow 1:

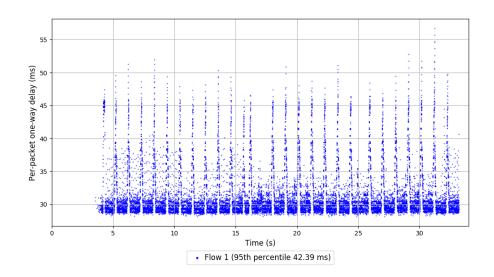
Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 42.388 ms

Loss rate: 0.84%

Run 1: Report of Synthesized-BBR — Data Link





Run 2: Statistics of Synthesized-BBR

Start at: 2019-10-27 04:09:36 End at: 2019-10-27 04:10:06

Below is generated by plot.py at 2019-10-27 04:21:38

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 8.16 Mbit/s (81.6% utilization) 95th percentile per-packet one-way delay: 42.708 ms

Loss rate: 0.88%

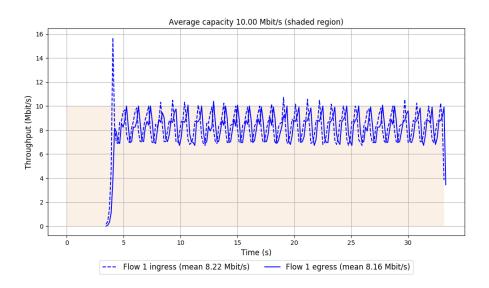
-- Flow 1:

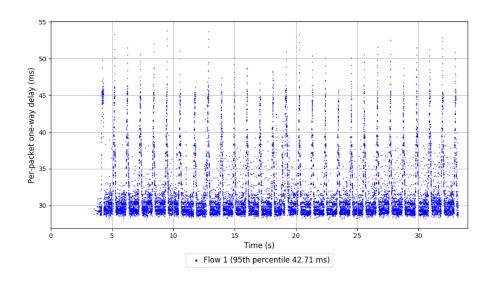
Average throughput: 8.16 Mbit/s

95th percentile per-packet one-way delay: 42.708 ms

Loss rate: 0.88%

Run 2: Report of Synthesized-BBR — Data Link





Run 3: Statistics of Synthesized-BBR

Start at: 2019-10-27 04:15:22 End at: 2019-10-27 04:15:52

Below is generated by plot.py at 2019-10-27 04:21:38

Datalink statistics
-- Total of 1 flow:

Average capacity: 10.00 Mbit/s

Average throughput: 8.47 Mbit/s (84.7% utilization) 95th percentile per-packet one-way delay: 42.778 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 8.47 Mbit/s

95th percentile per-packet one-way delay: 42.778 ms

Loss rate: 0.68%

Run 3: Report of Synthesized-BBR — Data Link

