

Pantheon Report

Generated at 2019-02-20 07:27:30 (UTC).

Data path: Mexico on `em1` (*remote*) → AWS California 2 on `ens5` (*local*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

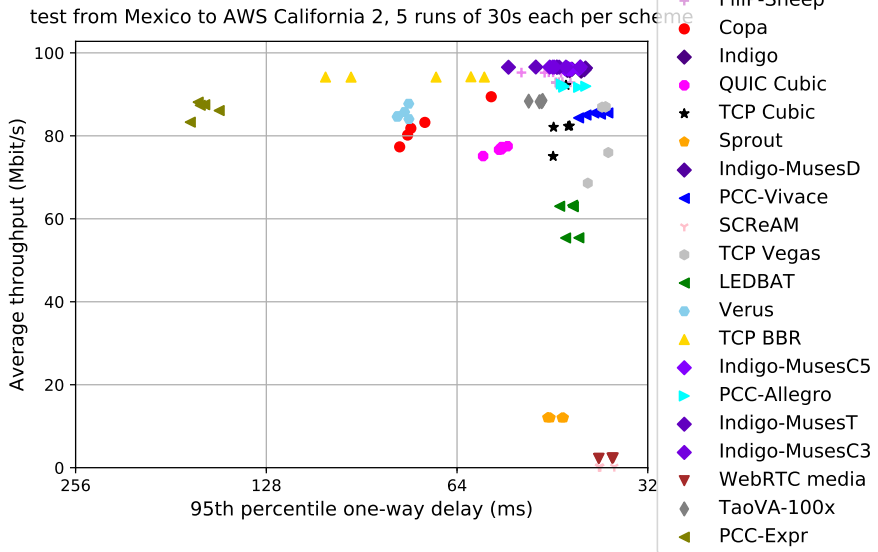
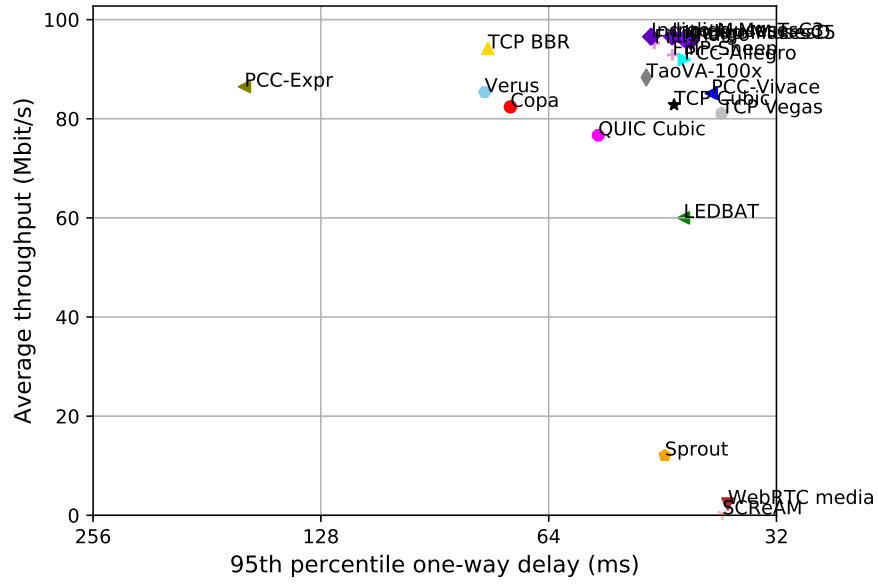
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
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-quick @ 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/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from Mexico to AWS California 2, 5 runs of 30s each per scheme
(mean of all runs by scheme)



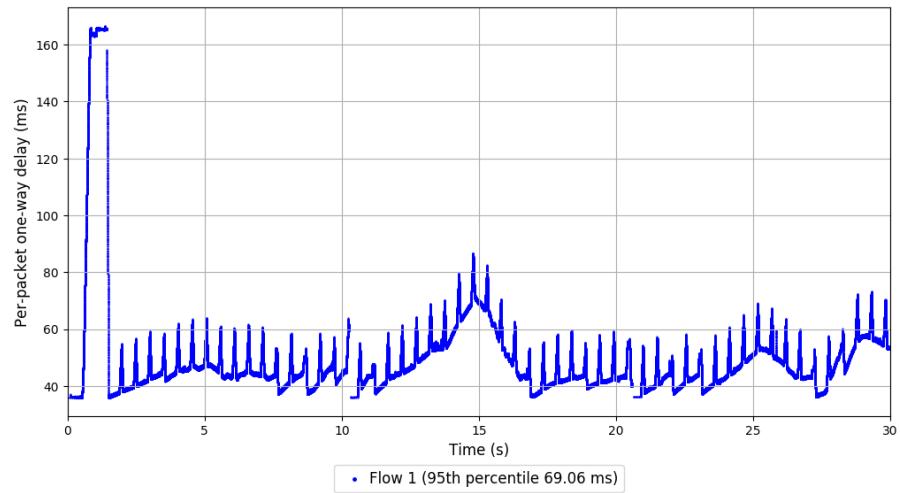
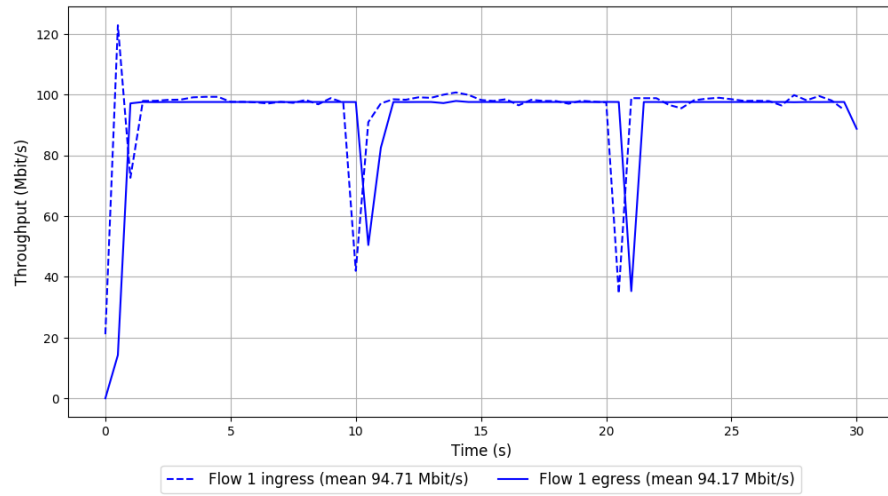
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	94.18	77.03	0.64
Copa	5	82.40	71.92	0.27
TCP Cubic	5	82.81	43.70	0.26
FillP	5	95.26	46.41	0.23
FillP-Sheep	5	92.89	43.92	0.23
Indigo	5	95.73	41.54	0.23
Indigo-MusesC3	5	96.58	43.97	0.24
Indigo-MusesC5	5	96.12	42.38	0.24
Indigo-MusesD	5	96.16	41.70	0.24
Indigo-MusesT	5	96.56	46.87	1.10
LEDBAT	5	60.00	42.46	0.26
PCC-Allegro	5	91.97	42.37	0.24
PCC-Expr	5	86.47	161.51	0.33
QUIC Cubic	5	76.66	55.06	0.23
SCReAM	5	0.21	37.74	0.26
Sprout	5	12.06	44.95	0.24
TaoVA-100x	5	88.33	47.55	0.24
TCP Vegas	5	81.08	37.82	0.27
Verus	5	85.37	77.77	0.44
PCC-Vivace	5	85.12	39.03	0.24
WebRTC media	5	2.29	37.11	0.27

Run 1: Statistics of TCP BBR

Start at: 2019-02-20 05:14:47
End at: 2019-02-20 05:15:17
Local clock offset: -2.695 ms
Remote clock offset: -4.648 ms

Below is generated by plot.py at 2019-02-20 07:14:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 69.062 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 69.062 ms
Loss rate: 0.79%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-20 05:40:37

End at: 2019-02-20 05:41:07

Local clock offset: -0.846 ms

Remote clock offset: -5.68 ms

Below is generated by plot.py at 2019-02-20 07:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 60.854 ms

Loss rate: 0.51%

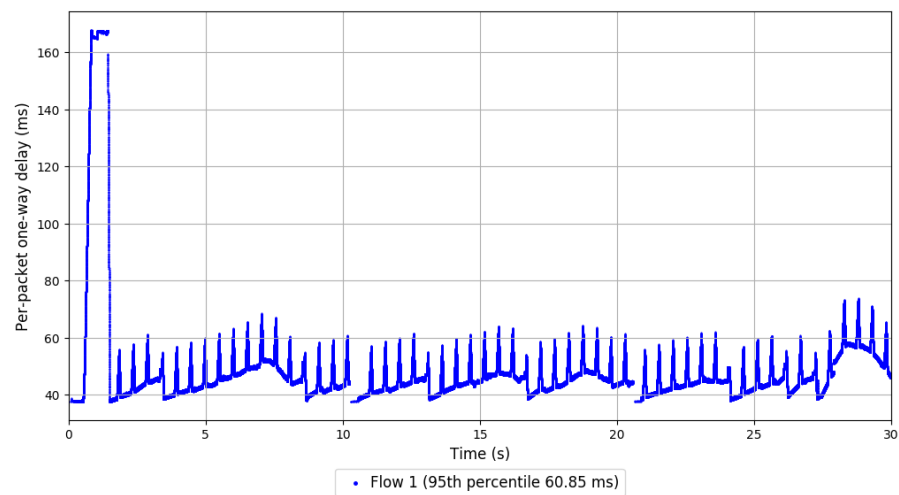
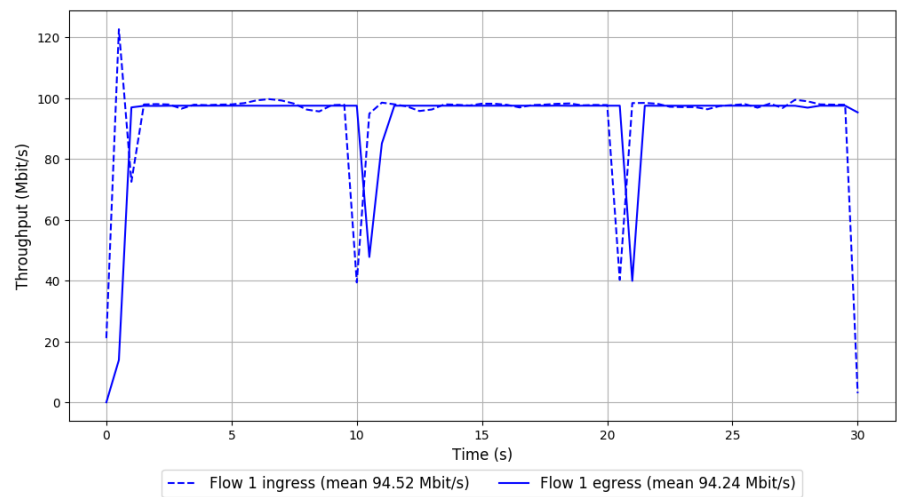
-- Flow 1:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 60.854 ms

Loss rate: 0.51%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-20 06:06:28

End at: 2019-02-20 06:06:58

Local clock offset: 0.365 ms

Remote clock offset: -5.001 ms

Below is generated by plot.py at 2019-02-20 07:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 94.074 ms

Loss rate: 0.85%

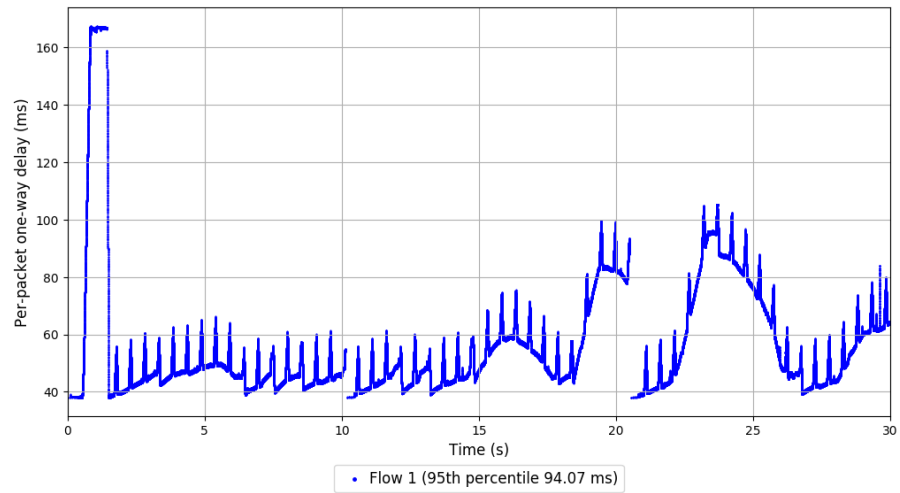
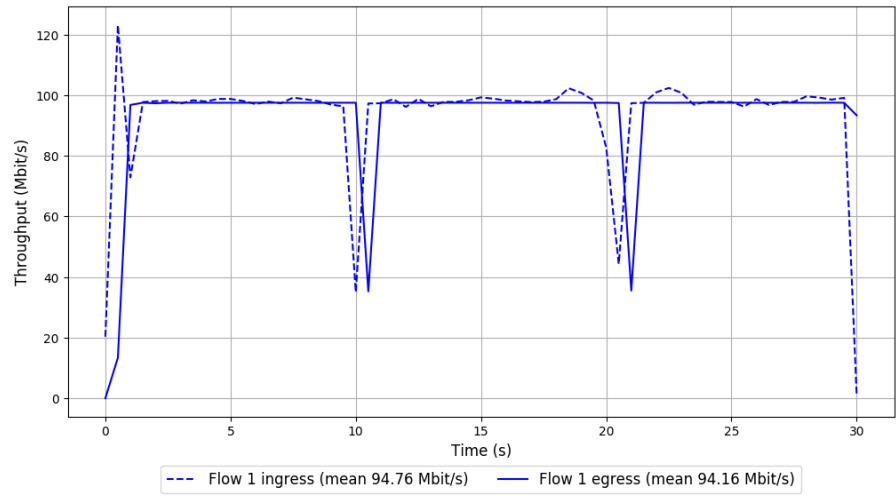
-- Flow 1:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 94.074 ms

Loss rate: 0.85%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-20 06:31:26

End at: 2019-02-20 06:31:56

Local clock offset: 0.465 ms

Remote clock offset: -2.638 ms

Below is generated by plot.py at 2019-02-20 07:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 57.955 ms

Loss rate: 0.43%

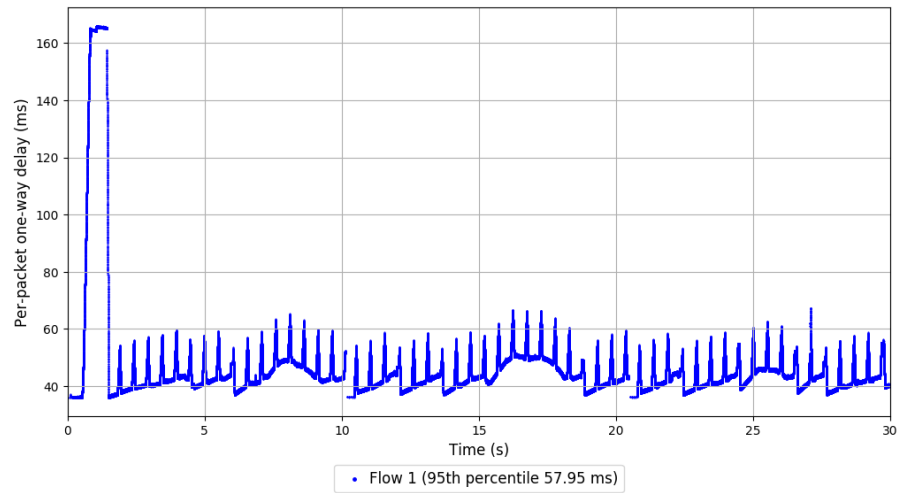
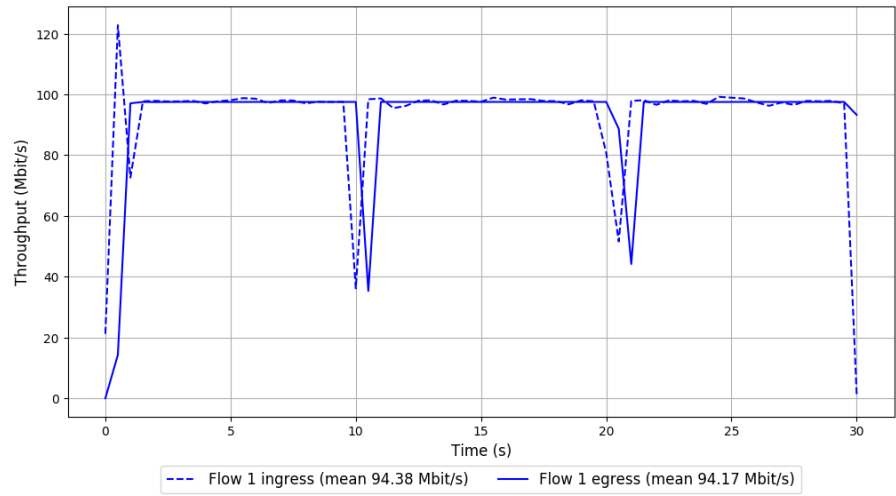
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 57.955 ms

Loss rate: 0.43%

Run 4: Report of TCP BBR — Data Link

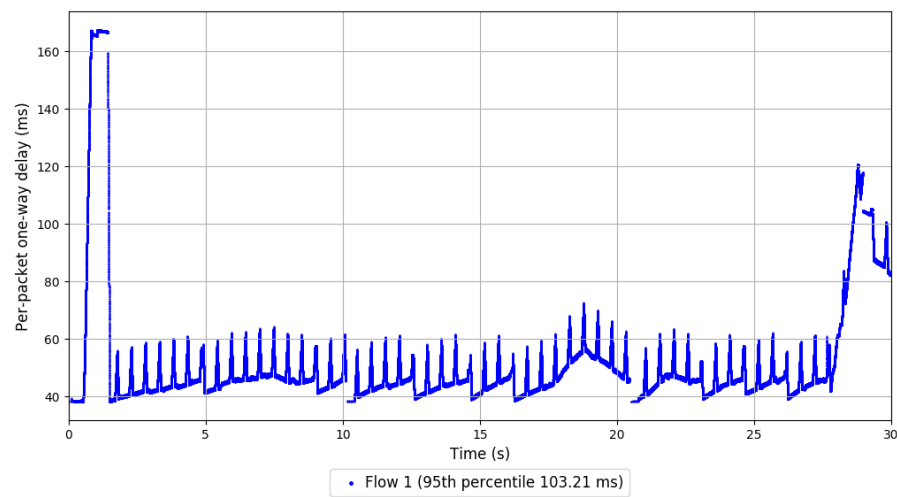
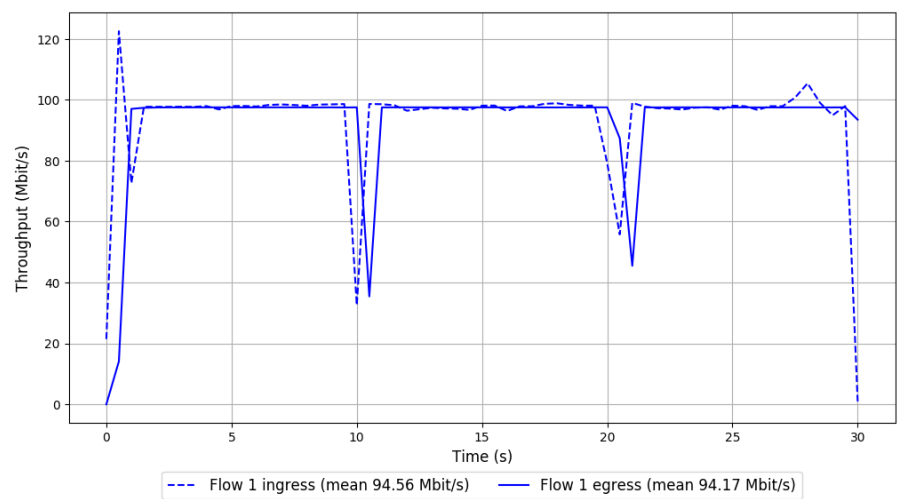


Run 5: Statistics of TCP BBR

Start at: 2019-02-20 06:56:51
End at: 2019-02-20 06:57:21
Local clock offset: 0.438 ms
Remote clock offset: -4.553 ms

Below is generated by plot.py at 2019-02-20 07:14:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 103.212 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 103.212 ms
Loss rate: 0.63%

Run 5: Report of TCP BBR — Data Link

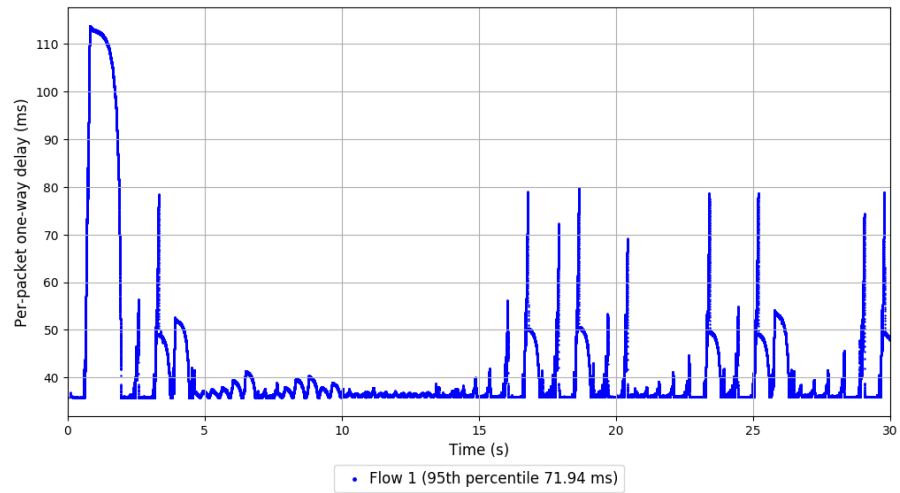
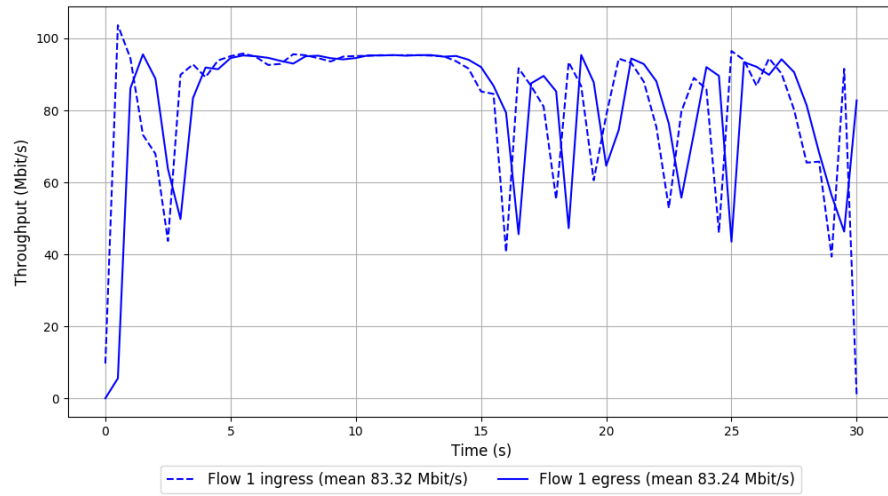


Run 1: Statistics of Copa

Start at: 2019-02-20 05:08:07
End at: 2019-02-20 05:08:37
Local clock offset: -1.797 ms
Remote clock offset: -4.472 ms

Below is generated by plot.py at 2019-02-20 07:15:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 71.939 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 71.939 ms
Loss rate: 0.31%

Run 1: Report of Copa — Data Link

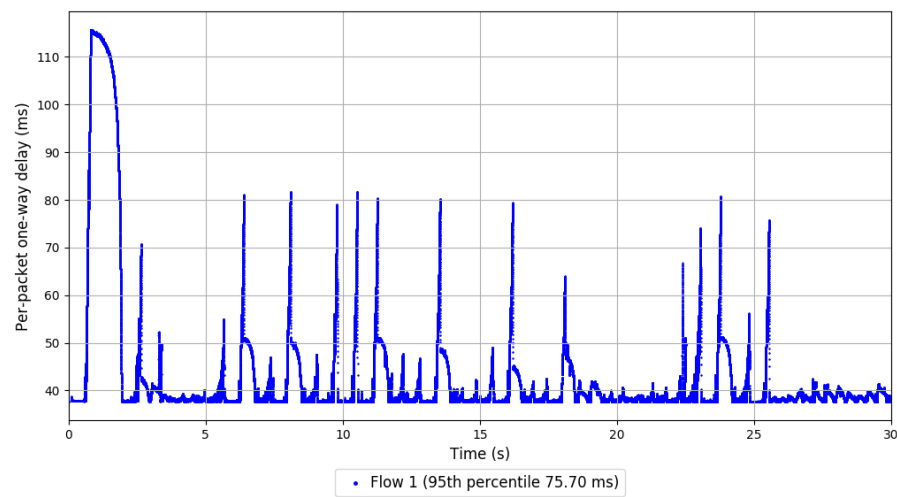
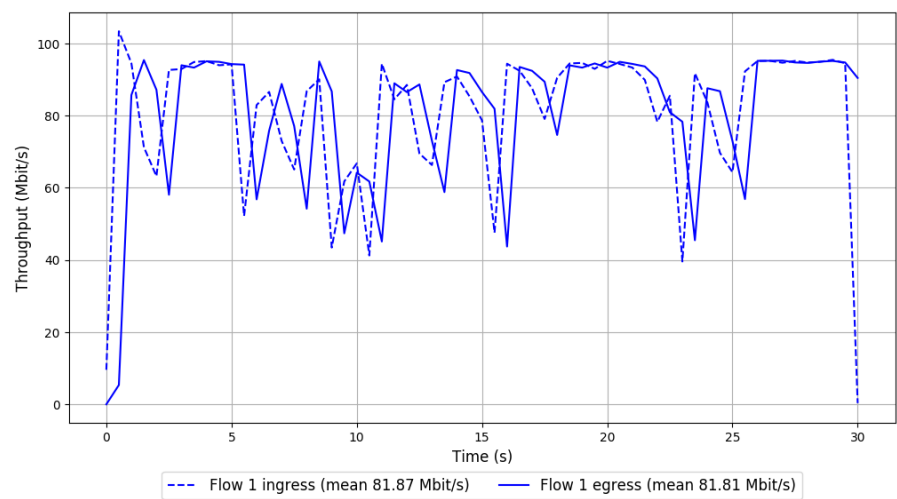


Run 2: Statistics of Copa

Start at: 2019-02-20 05:34:17
End at: 2019-02-20 05:34:47
Local clock offset: -2.174 ms
Remote clock offset: -5.998 ms

Below is generated by plot.py at 2019-02-20 07:15:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 75.701 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 75.701 ms
Loss rate: 0.28%

Run 2: Report of Copa — Data Link

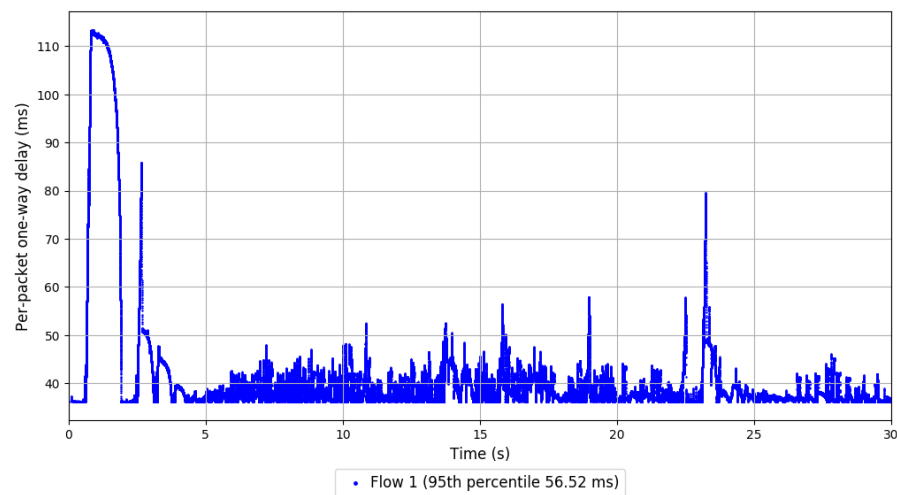
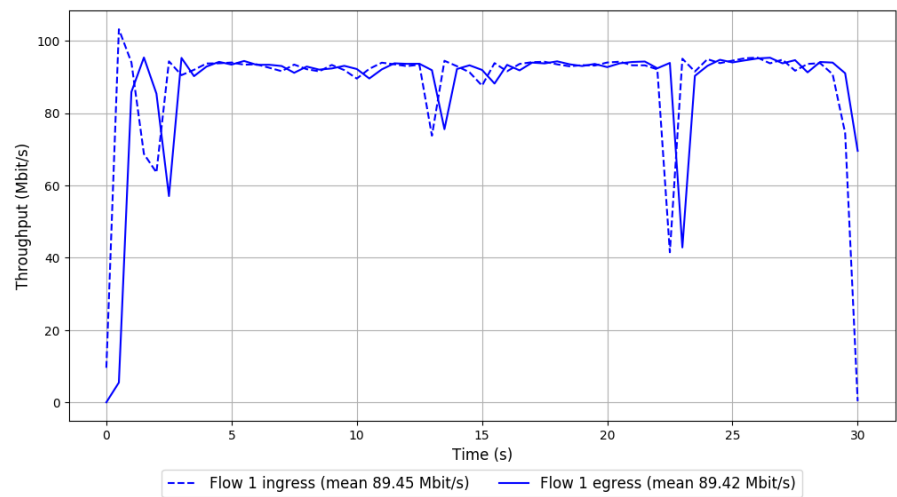


Run 3: Statistics of Copa

Start at: 2019-02-20 06:00:06
End at: 2019-02-20 06:00:36
Local clock offset: 0.515 ms
Remote clock offset: -3.295 ms

Below is generated by plot.py at 2019-02-20 07:15:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 56.519 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 56.519 ms
Loss rate: 0.24%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-20 06:25:29

End at: 2019-02-20 06:25:59

Local clock offset: 0.418 ms

Remote clock offset: -4.56 ms

Below is generated by plot.py at 2019-02-20 07:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 78.837 ms

Loss rate: 0.15%

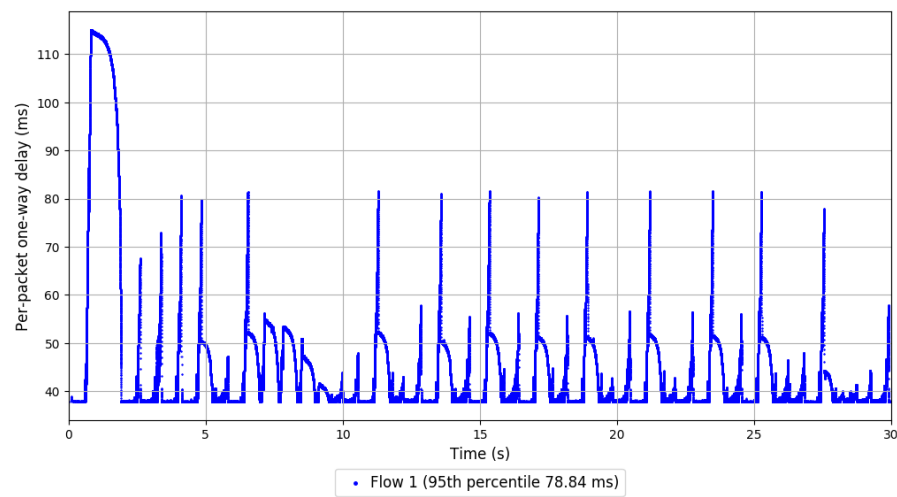
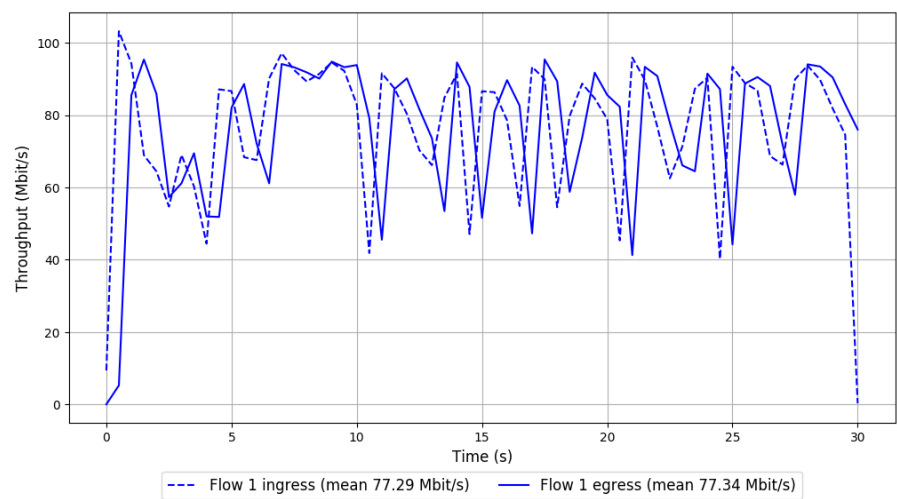
-- Flow 1:

Average throughput: 77.34 Mbit/s

95th percentile per-packet one-way delay: 78.837 ms

Loss rate: 0.15%

Run 4: Report of Copa — Data Link

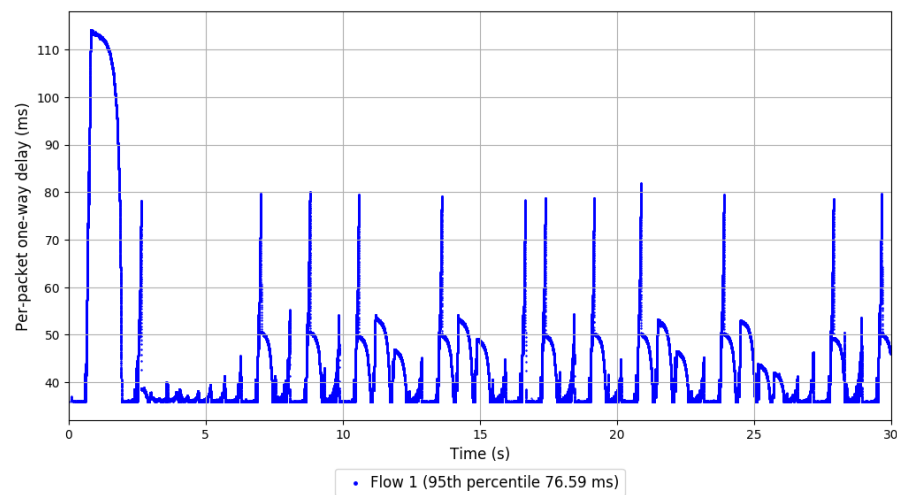
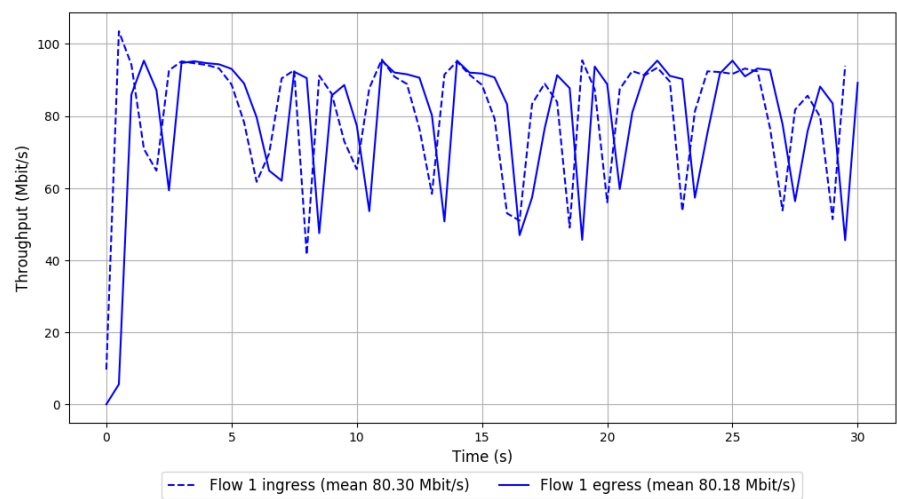


Run 5: Statistics of Copa

Start at: 2019-02-20 06:50:41
End at: 2019-02-20 06:51:11
Local clock offset: 0.415 ms
Remote clock offset: -2.422 ms

Below is generated by plot.py at 2019-02-20 07:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 76.590 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 76.590 ms
Loss rate: 0.36%

Run 5: Report of Copa — Data Link

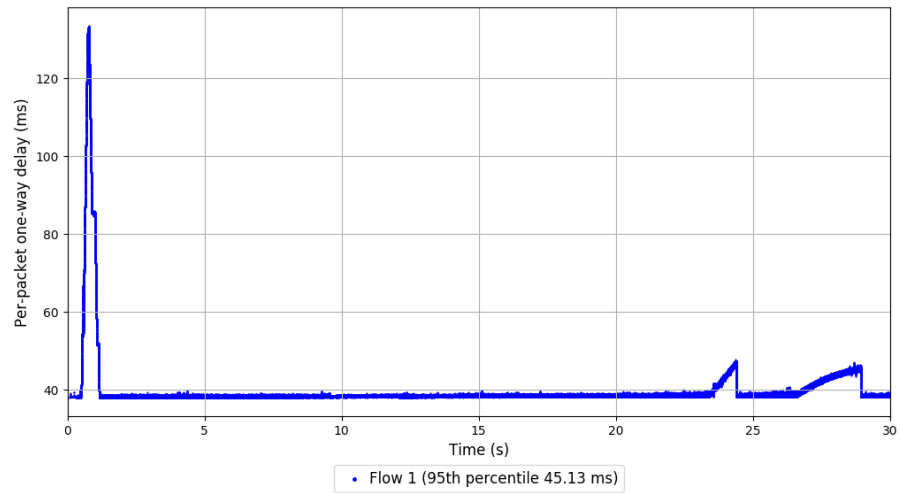
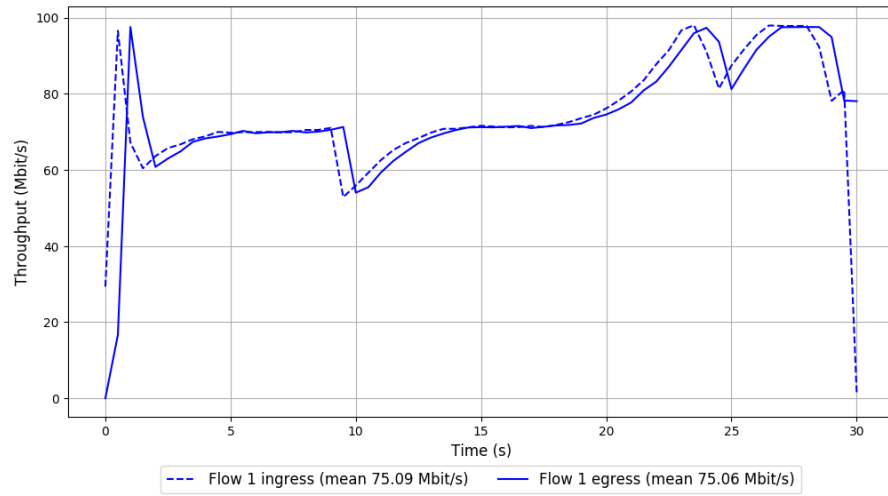


Run 1: Statistics of TCP Cubic

Start at: 2019-02-20 05:20:35
End at: 2019-02-20 05:21:05
Local clock offset: -3.193 ms
Remote clock offset: -6.574 ms

Below is generated by plot.py at 2019-02-20 07:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 45.129 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 45.129 ms
Loss rate: 0.24%

Run 1: Report of TCP Cubic — Data Link

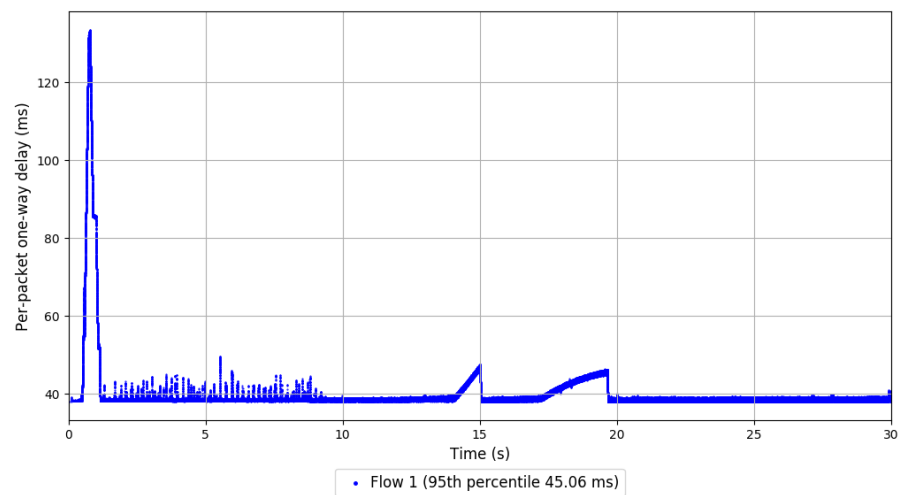
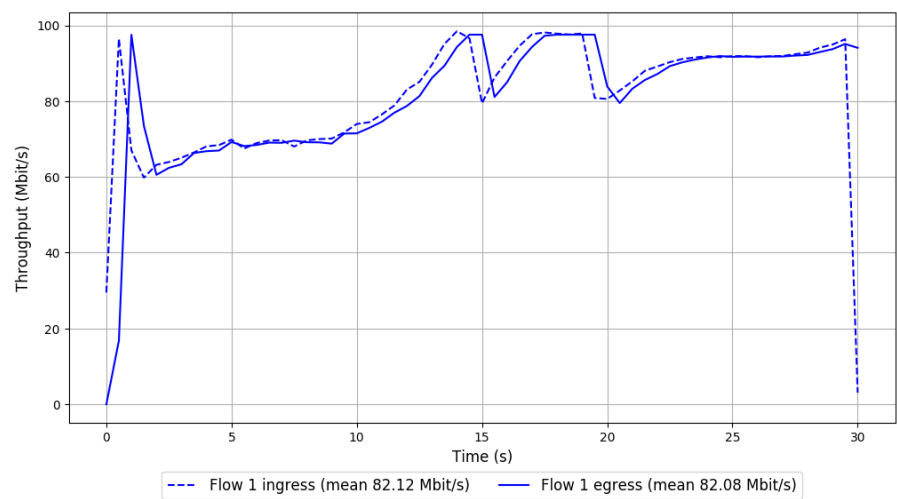


Run 2: Statistics of TCP Cubic

Start at: 2019-02-20 05:46:31
End at: 2019-02-20 05:47:01
Local clock offset: -0.133 ms
Remote clock offset: -5.699 ms

Below is generated by plot.py at 2019-02-20 07:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.08 Mbit/s
95th percentile per-packet one-way delay: 45.060 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.08 Mbit/s
95th percentile per-packet one-way delay: 45.060 ms
Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

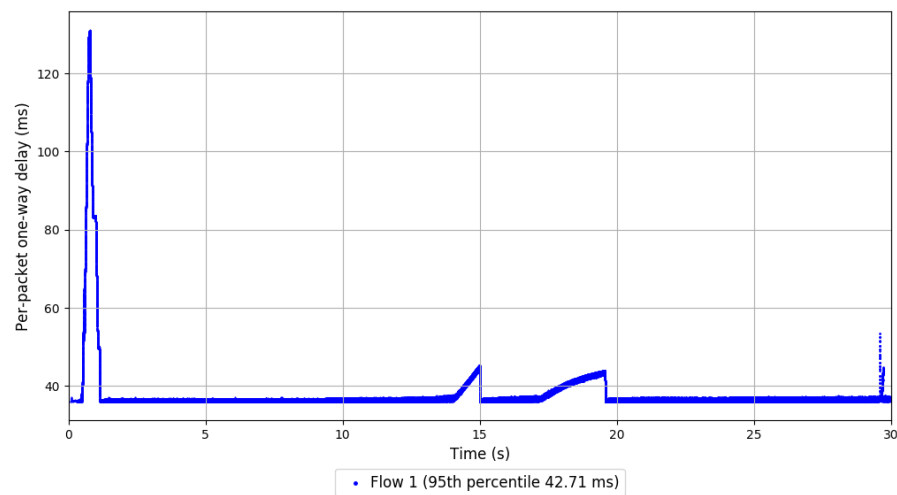
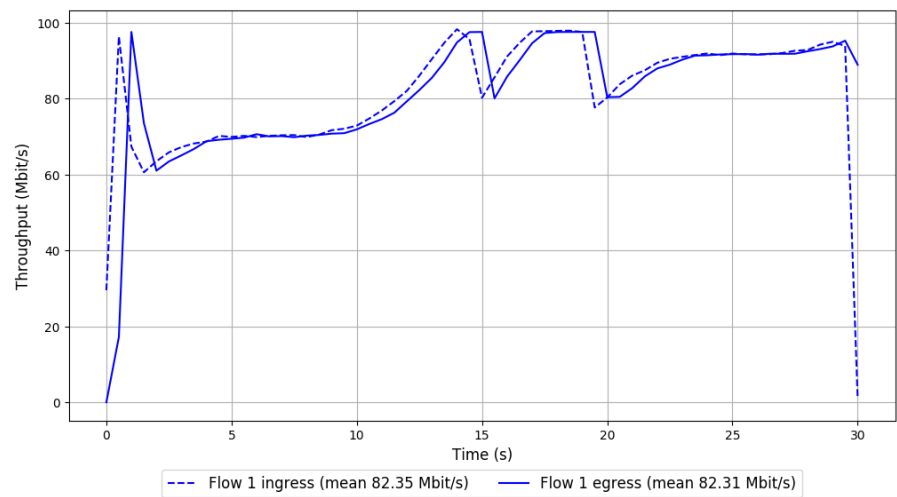


Run 3: Statistics of TCP Cubic

Start at: 2019-02-20 06:12:17
End at: 2019-02-20 06:12:47
Local clock offset: 0.321 ms
Remote clock offset: -2.819 ms

Below is generated by plot.py at 2019-02-20 07:16:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 42.713 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 42.713 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link

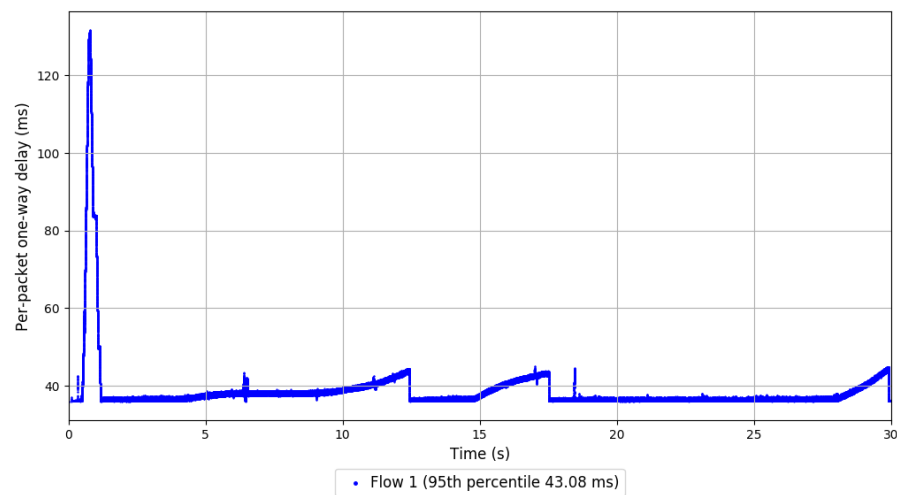
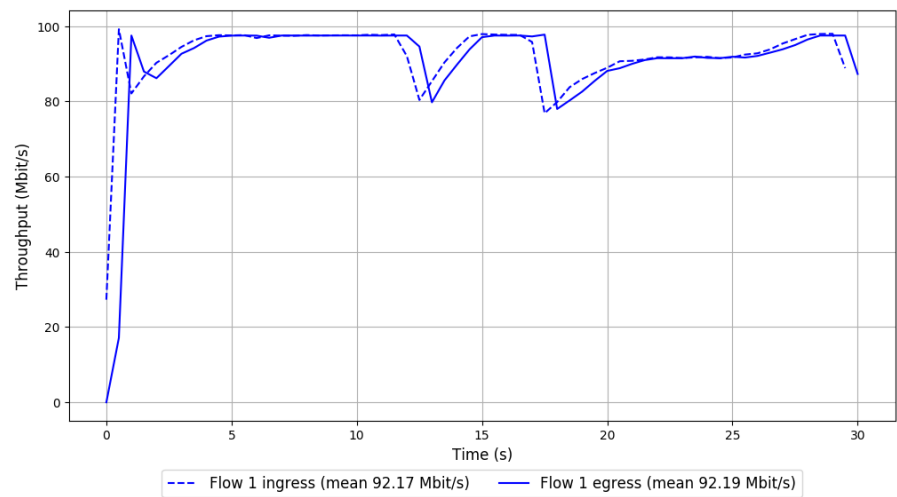


Run 4: Statistics of TCP Cubic

Start at: 2019-02-20 06:37:16
End at: 2019-02-20 06:37:46
Local clock offset: 0.373 ms
Remote clock offset: -2.427 ms

Below is generated by plot.py at 2019-02-20 07:16:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 43.083 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 43.083 ms
Loss rate: 0.19%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-20 07:02:44

End at: 2019-02-20 07:03:15

Local clock offset: 1.3 ms

Remote clock offset: -2.003 ms

Below is generated by plot.py at 2019-02-20 07:16:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 42.516 ms

Loss rate: 0.34%

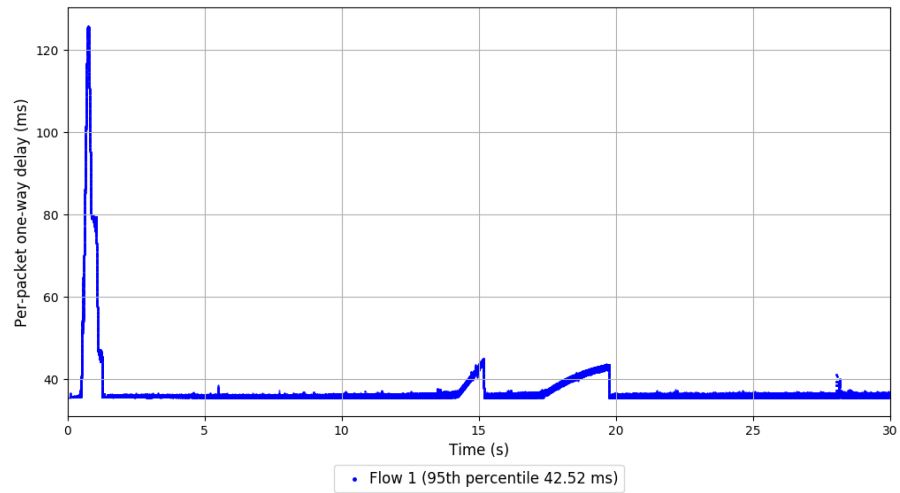
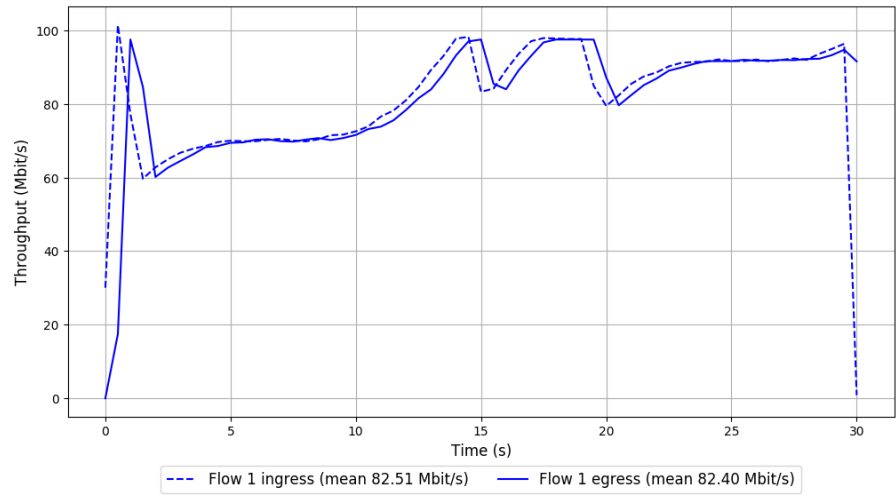
-- Flow 1:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 42.516 ms

Loss rate: 0.34%

Run 5: Report of TCP Cubic — Data Link

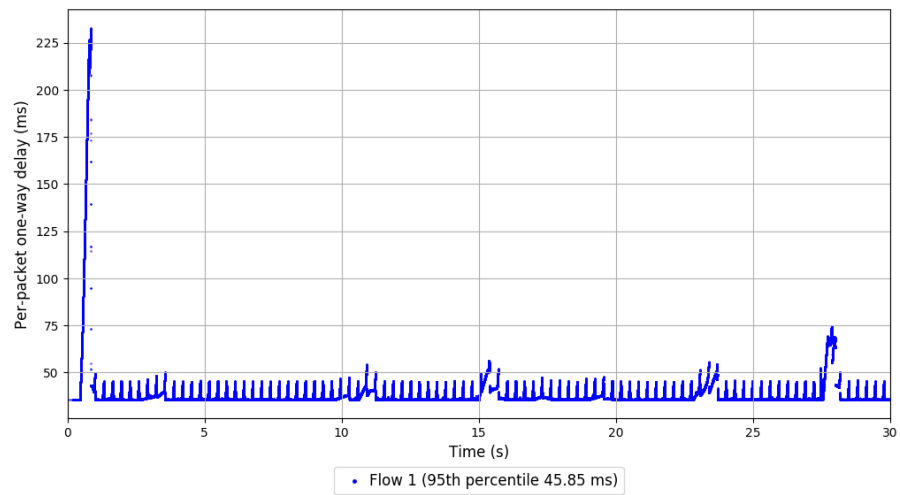
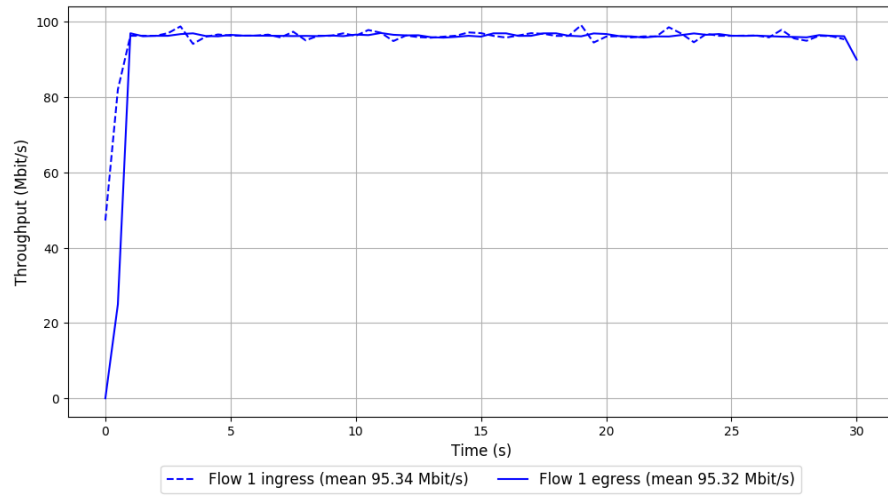


Run 1: Statistics of FillP

Start at: 2019-02-20 05:22:56
End at: 2019-02-20 05:23:26
Local clock offset: -3.378 ms
Remote clock offset: -4.114 ms

Below is generated by plot.py at 2019-02-20 07:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 45.852 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 45.852 ms
Loss rate: 0.23%

Run 1: Report of FillP — Data Link

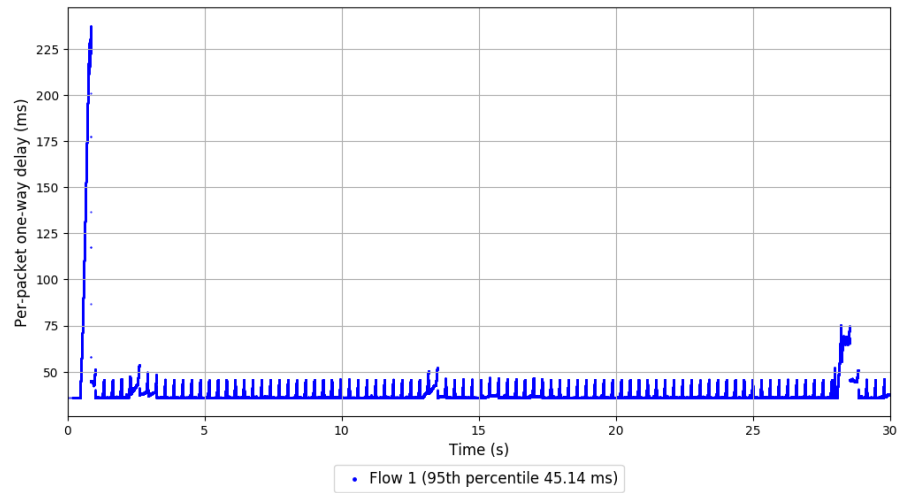
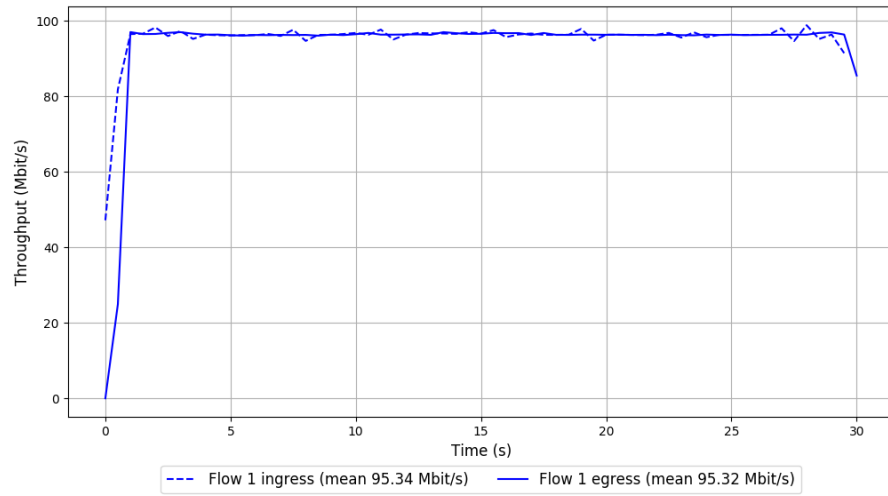


Run 2: Statistics of FillP

Start at: 2019-02-20 05:48:53
End at: 2019-02-20 05:49:23
Local clock offset: 0.025 ms
Remote clock offset: -3.649 ms

Below is generated by plot.py at 2019-02-20 07:17:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 45.140 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 45.140 ms
Loss rate: 0.23%

Run 2: Report of FillP — Data Link

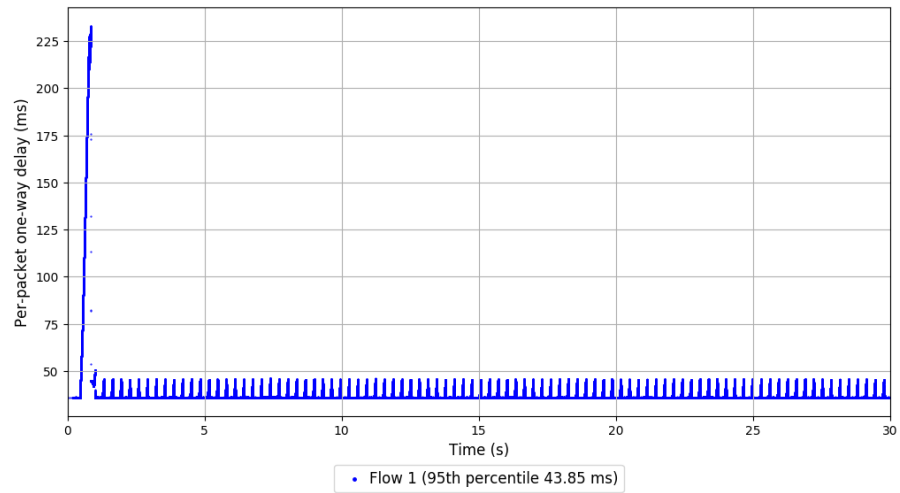
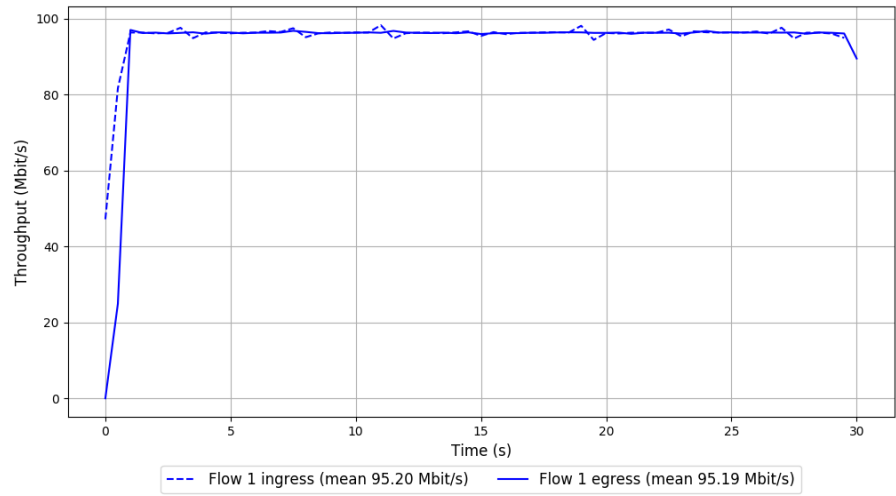


Run 3: Statistics of FillP

Start at: 2019-02-20 06:14:39
End at: 2019-02-20 06:15:09
Local clock offset: 0.316 ms
Remote clock offset: -2.817 ms

Below is generated by plot.py at 2019-02-20 07:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 43.847 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 43.847 ms
Loss rate: 0.22%

Run 3: Report of FillP — Data Link

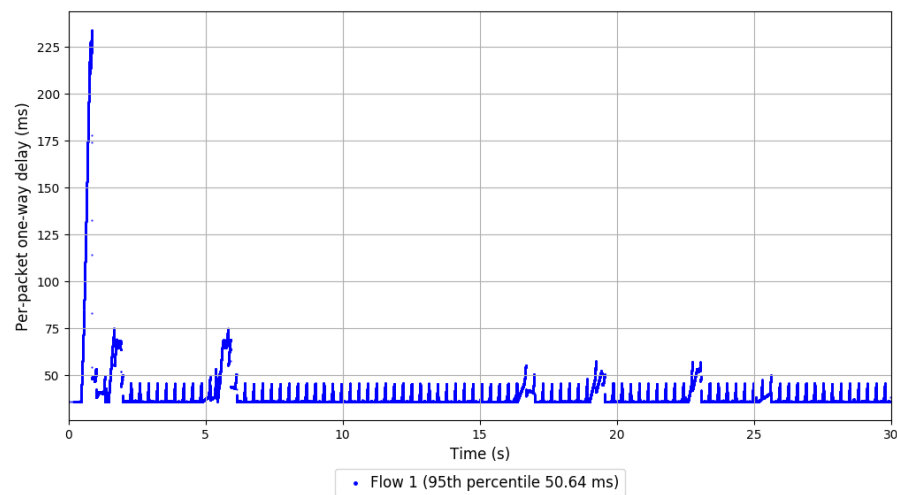
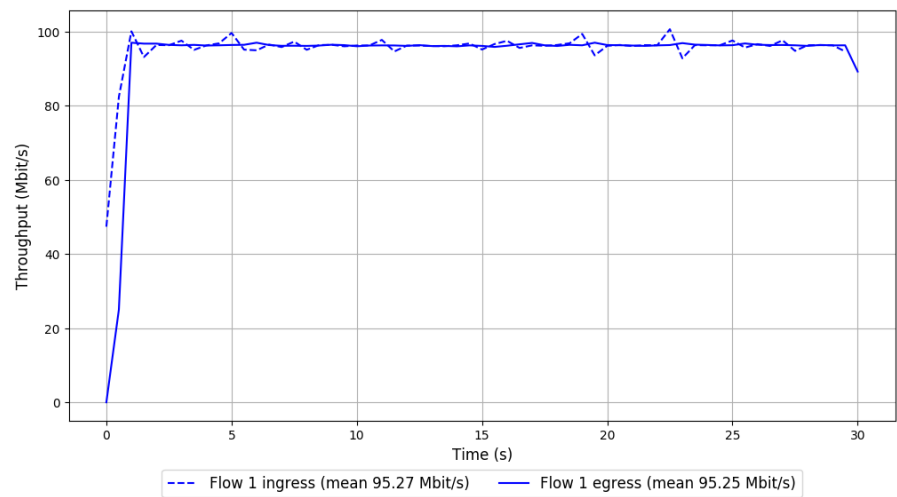


Run 4: Statistics of FillP

Start at: 2019-02-20 06:39:39
End at: 2019-02-20 06:40:09
Local clock offset: 0.369 ms
Remote clock offset: -2.343 ms

Below is generated by plot.py at 2019-02-20 07:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 50.644 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 50.644 ms
Loss rate: 0.23%

Run 4: Report of FillP — Data Link

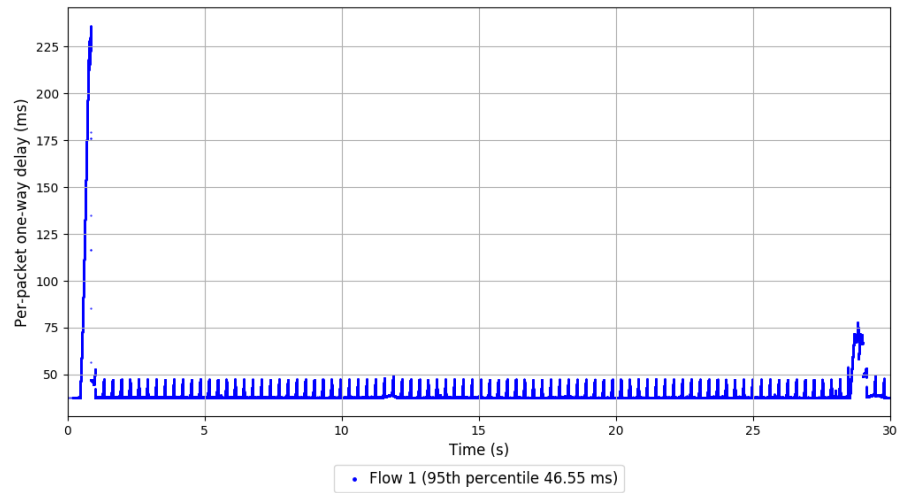
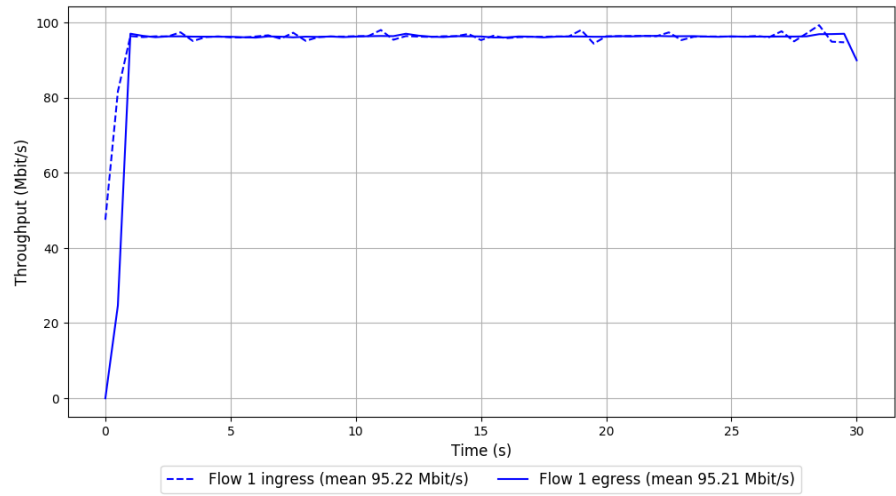


Run 5: Statistics of FillP

Start at: 2019-02-20 07:05:13
End at: 2019-02-20 07:05:43
Local clock offset: 1.789 ms
Remote clock offset: -4.206 ms

Below is generated by plot.py at 2019-02-20 07:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 46.552 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 46.552 ms
Loss rate: 0.22%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-20 05:29:21

End at: 2019-02-20 05:29:51

Local clock offset: -3.748 ms

Remote clock offset: -6.36 ms

Below is generated by plot.py at 2019-02-20 07:17:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 44.701 ms

Loss rate: 0.22%

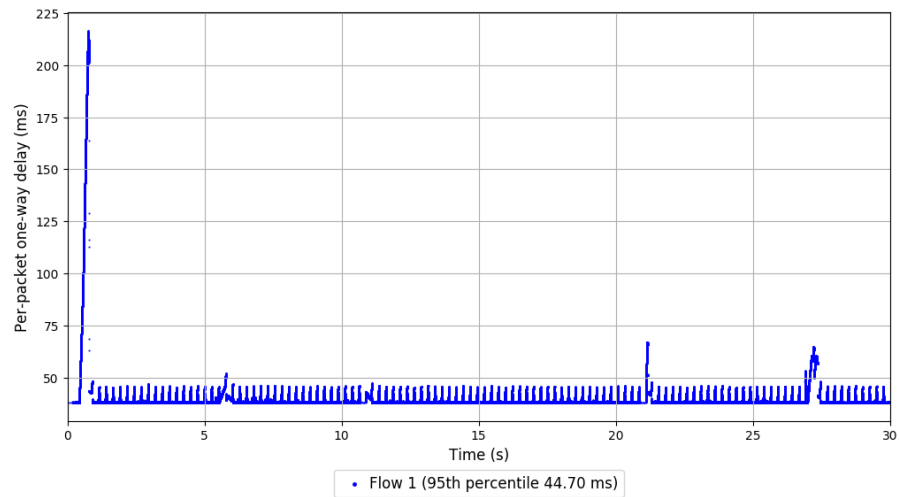
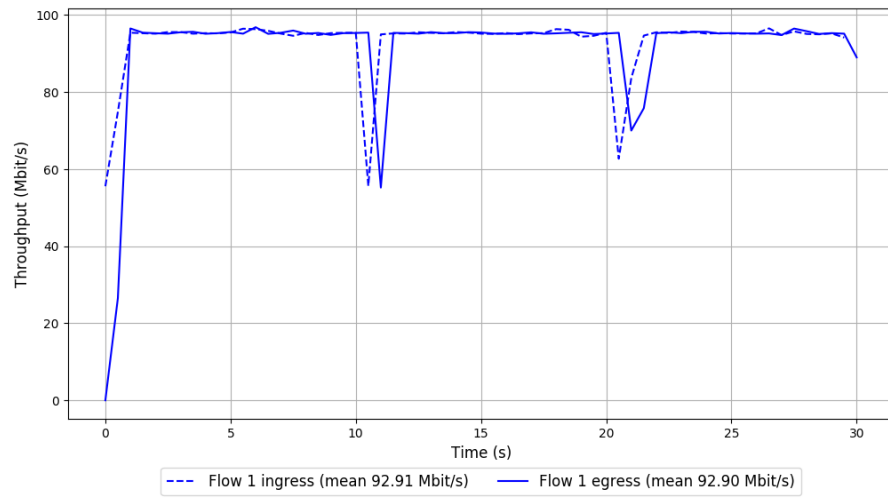
-- Flow 1:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 44.701 ms

Loss rate: 0.22%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-02-20 05:55:06

End at: 2019-02-20 05:55:36

Local clock offset: 0.361 ms

Remote clock offset: -5.39 ms

Below is generated by plot.py at 2019-02-20 07:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 44.206 ms

Loss rate: 0.28%

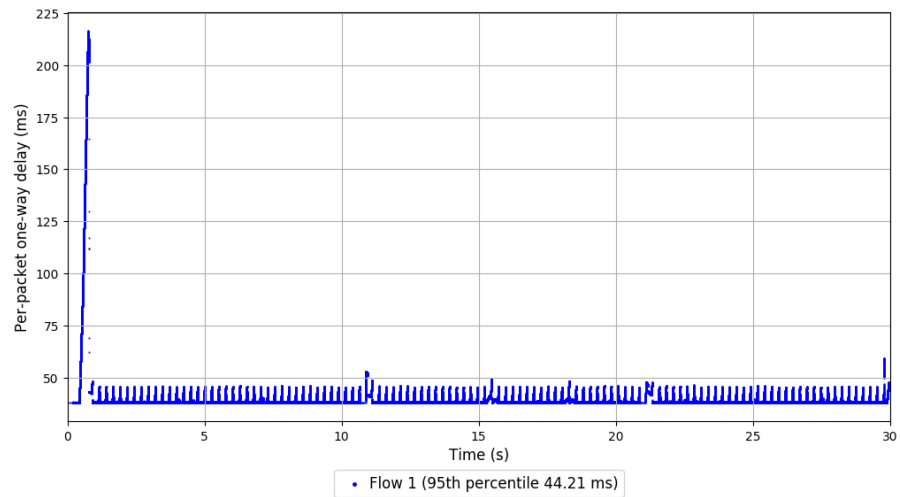
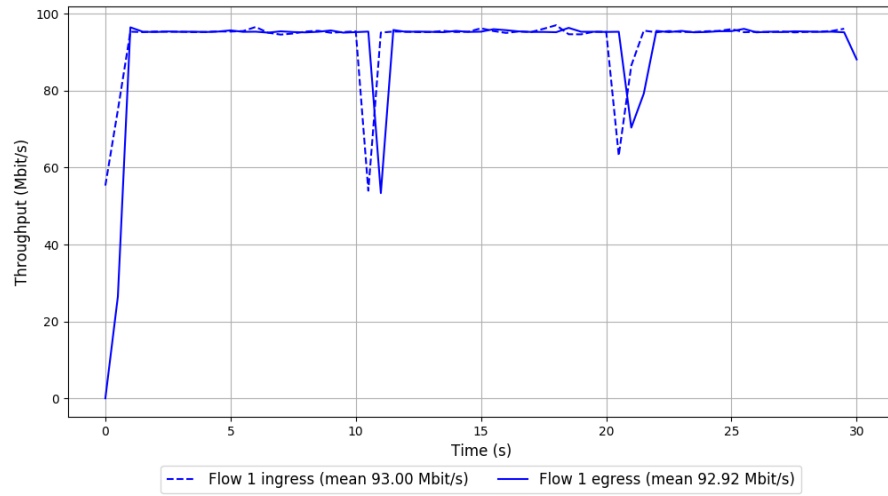
-- Flow 1:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 44.206 ms

Loss rate: 0.28%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-20 06:20:45

End at: 2019-02-20 06:21:15

Local clock offset: 0.366 ms

Remote clock offset: -4.786 ms

Below is generated by plot.py at 2019-02-20 07:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 44.687 ms

Loss rate: 0.22%

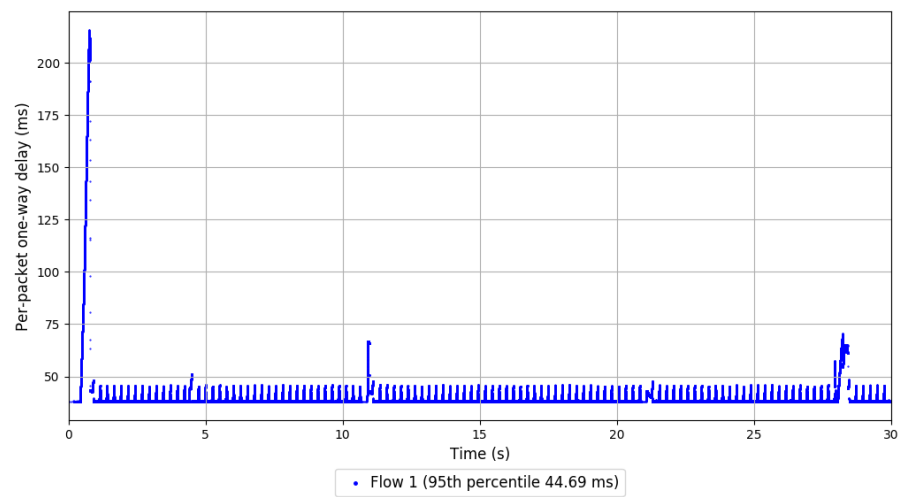
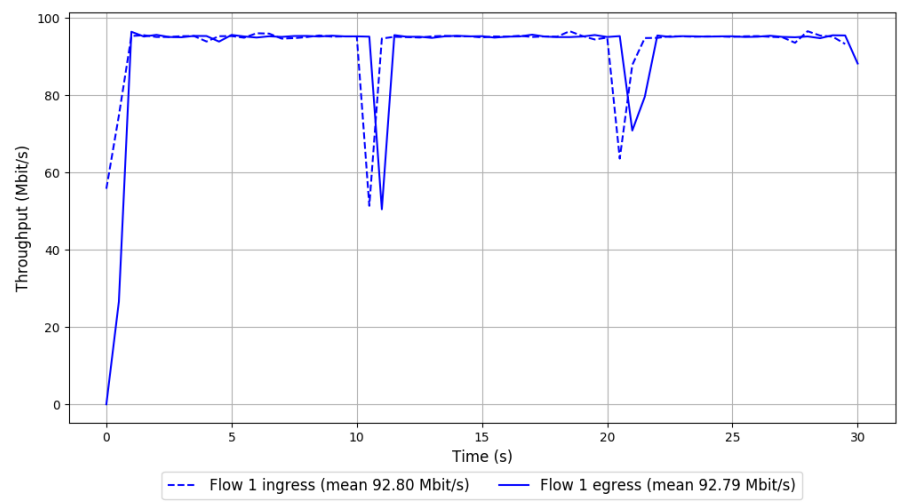
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 44.687 ms

Loss rate: 0.22%

Run 3: Report of FillP-Sheep — Data Link

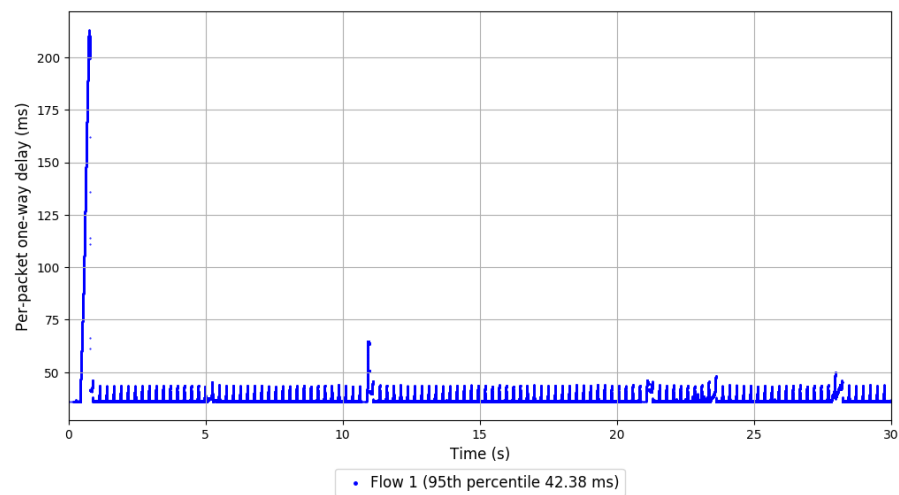
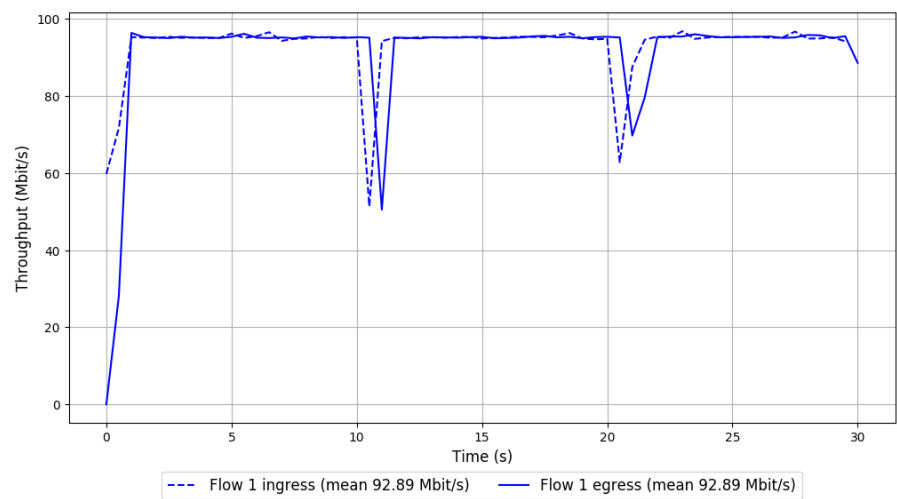


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-20 06:45:45
End at: 2019-02-20 06:46:15
Local clock offset: 0.381 ms
Remote clock offset: -2.482 ms

Below is generated by plot.py at 2019-02-20 07:18:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 42.378 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 42.378 ms
Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link

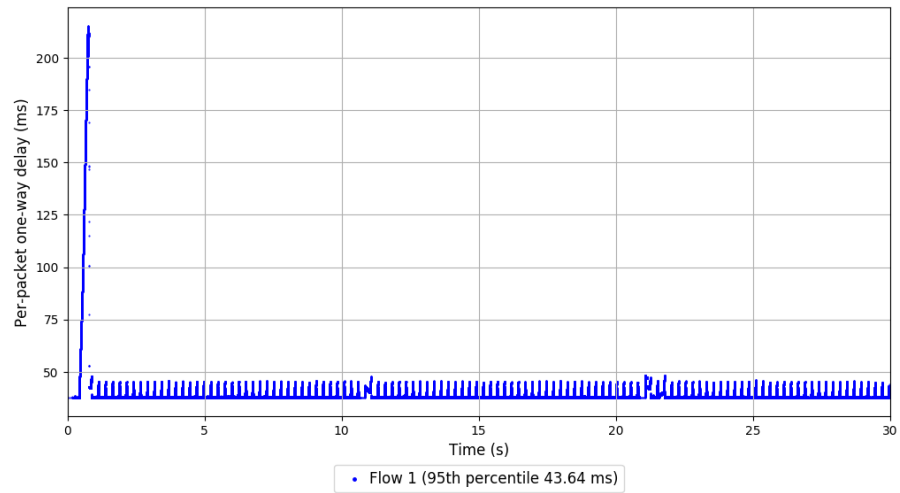
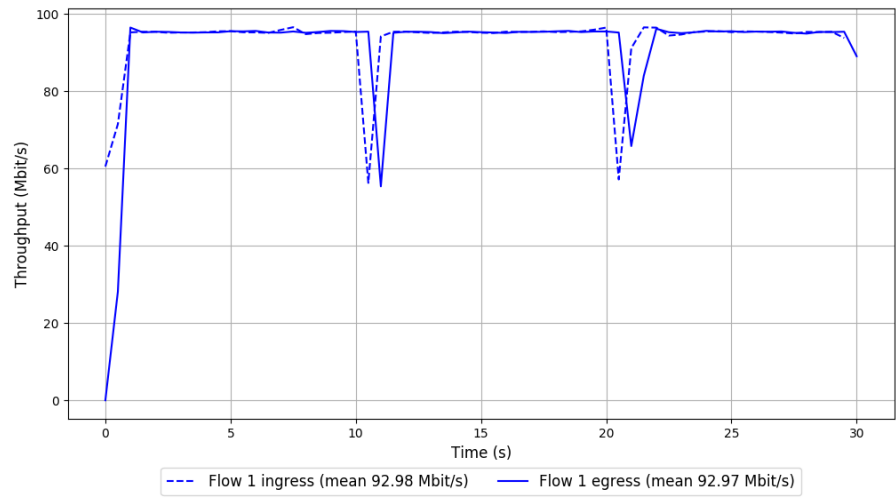


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-20 07:11:09
End at: 2019-02-20 07:11:39
Local clock offset: 2.683 ms
Remote clock offset: -4.261 ms

Below is generated by plot.py at 2019-02-20 07:18:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 43.642 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 43.642 ms
Loss rate: 0.22%

Run 5: Report of FillP-Sheep — Data Link

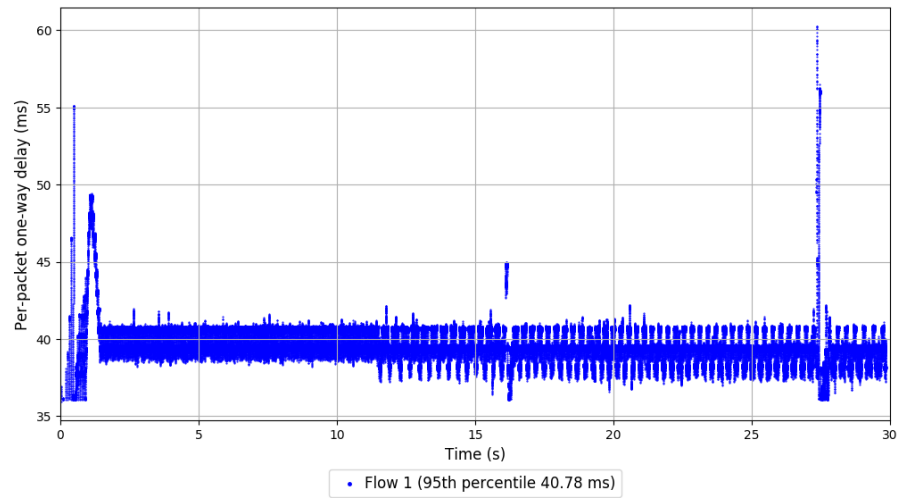
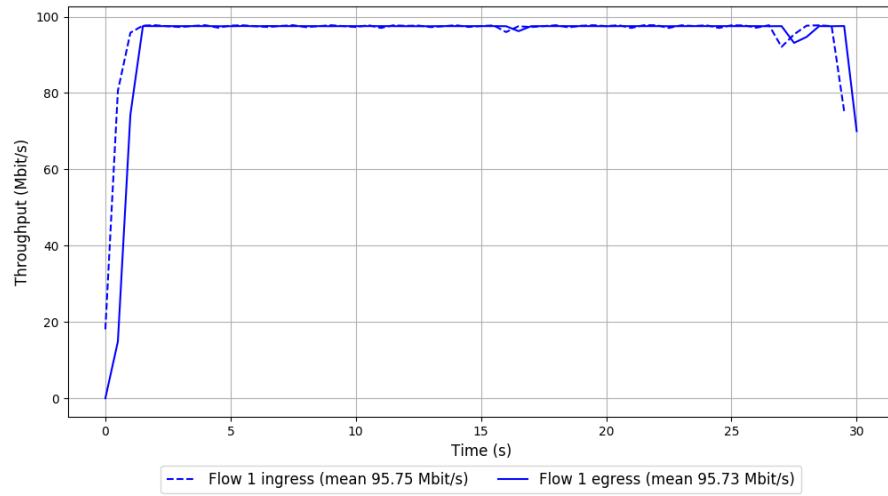


```
Run 1: Statistics of Indigo

Start at: 2019-02-20 05:25:20
End at: 2019-02-20 05:25:50
Local clock offset: -3.531 ms
Remote clock offset: -4.491 ms

# Below is generated by plot.py at 2019-02-20 07:18:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 40.779 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 40.779 ms
Loss rate: 0.23%
```

Run 1: Report of Indigo — Data Link

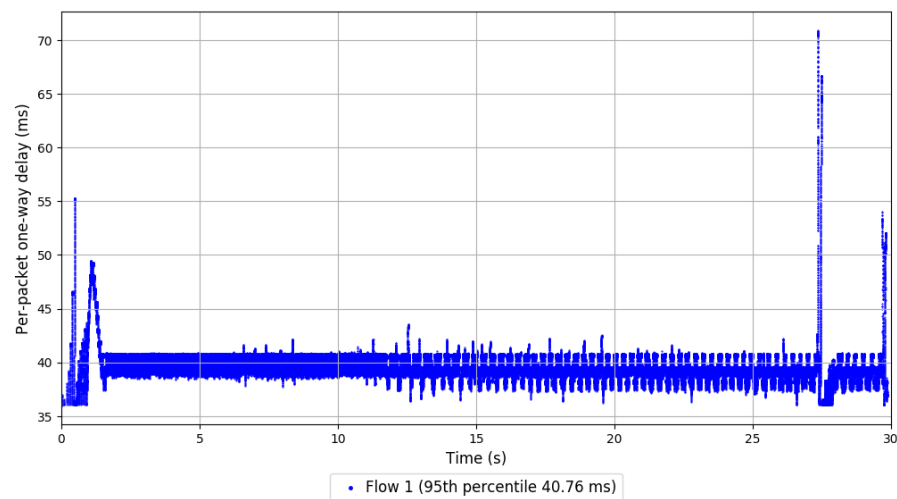
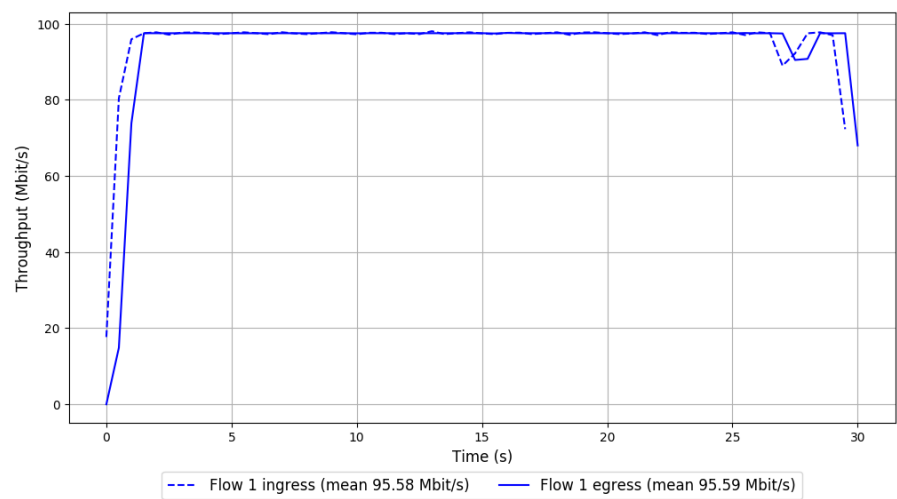


Run 2: Statistics of Indigo

Start at: 2019-02-20 05:51:18
End at: 2019-02-20 05:51:48
Local clock offset: 0.169 ms
Remote clock offset: -3.566 ms

Below is generated by plot.py at 2019-02-20 07:18:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 40.763 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 40.763 ms
Loss rate: 0.21%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-02-20 06:17:06

End at: 2019-02-20 06:17:36

Local clock offset: 0.327 ms

Remote clock offset: -4.87 ms

Below is generated by plot.py at 2019-02-20 07:18:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 42.854 ms

Loss rate: 0.23%

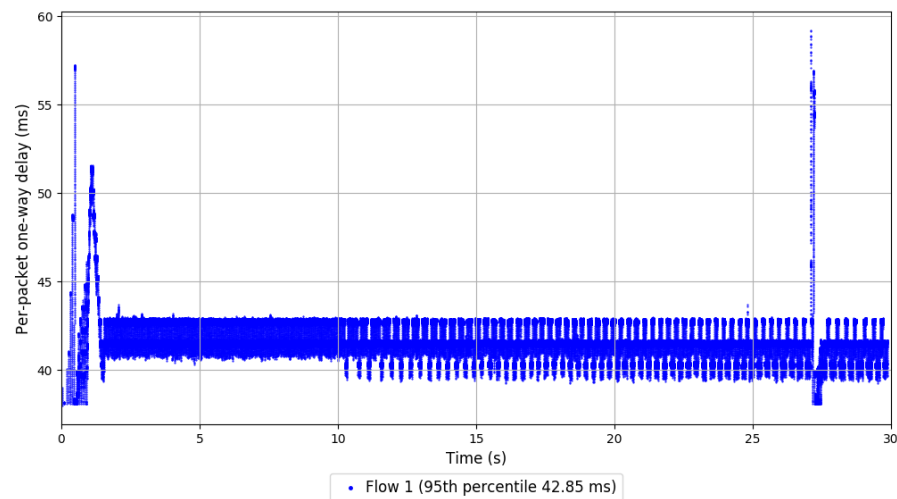
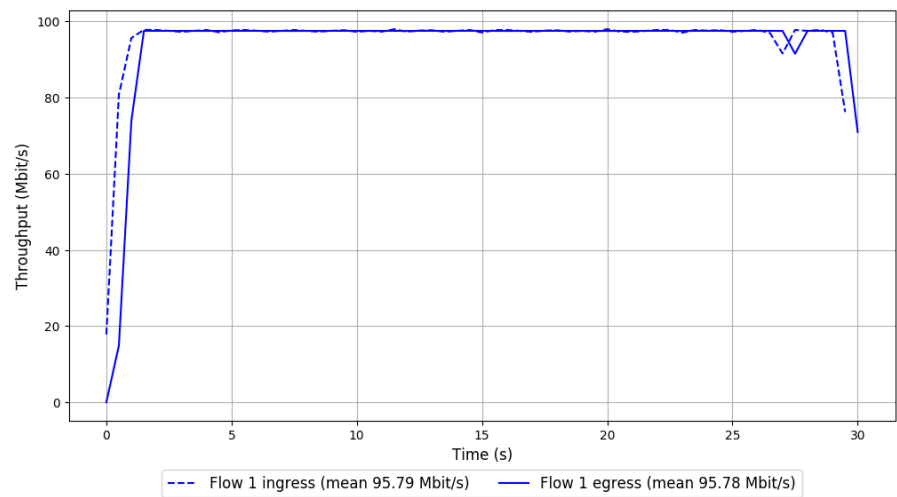
-- Flow 1:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 42.854 ms

Loss rate: 0.23%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-20 06:42:04

End at: 2019-02-20 06:42:34

Local clock offset: 0.36 ms

Remote clock offset: -2.497 ms

Below is generated by plot.py at 2019-02-20 07:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 40.796 ms

Loss rate: 0.23%

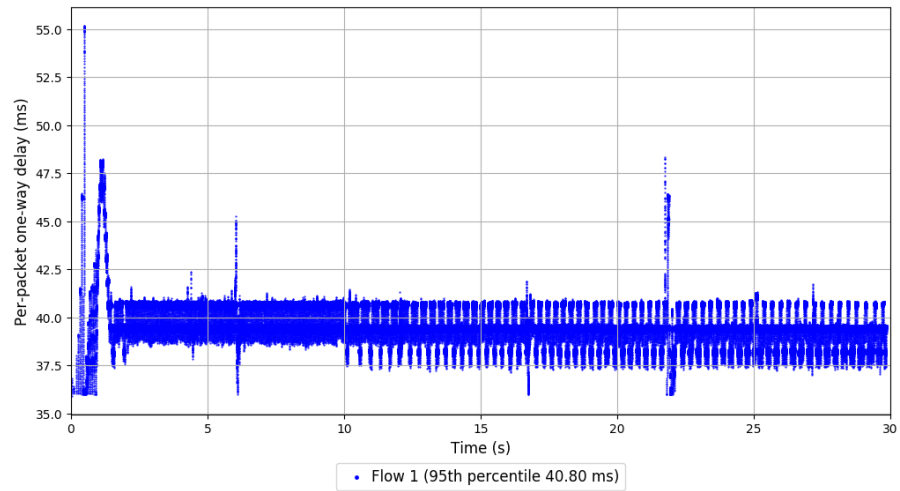
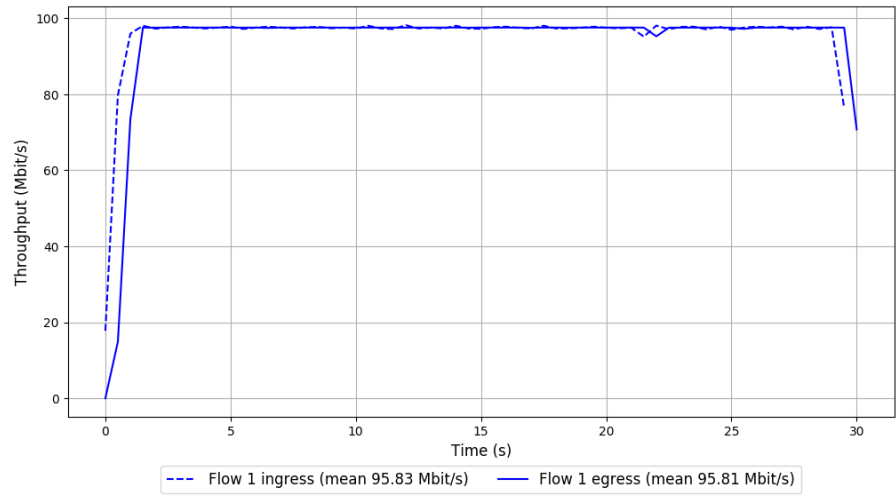
-- Flow 1:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 40.796 ms

Loss rate: 0.23%

Run 4: Report of Indigo — Data Link

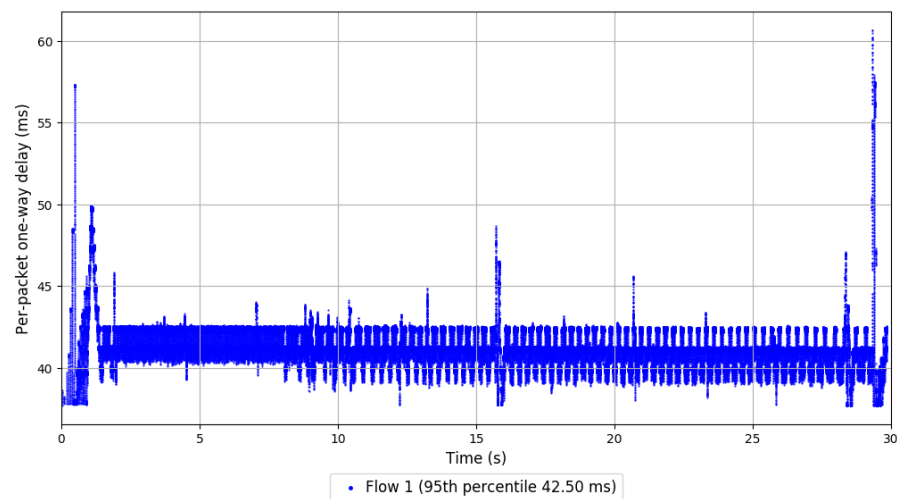
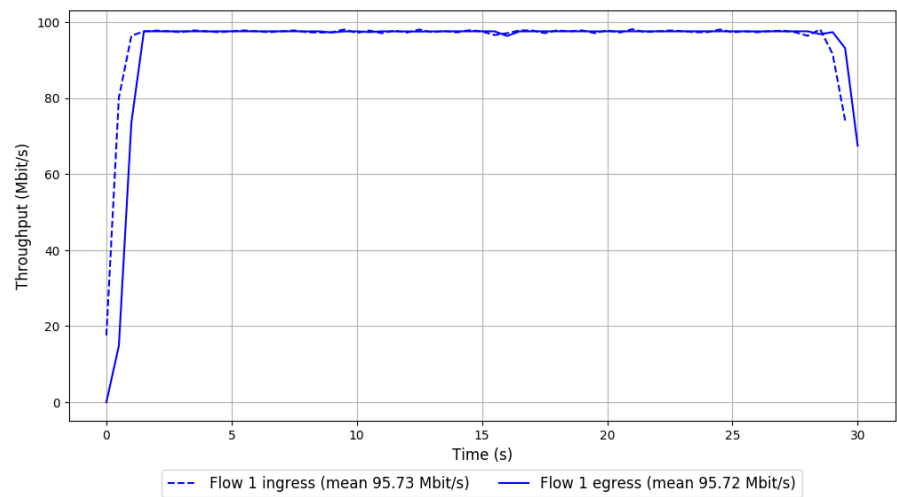


Run 5: Statistics of Indigo

Start at: 2019-02-20 07:07:35
End at: 2019-02-20 07:08:05
Local clock offset: 2.204 ms
Remote clock offset: -4.269 ms

Below is generated by plot.py at 2019-02-20 07:18:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 42.499 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 42.499 ms
Loss rate: 0.23%

Run 5: Report of Indigo — Data Link

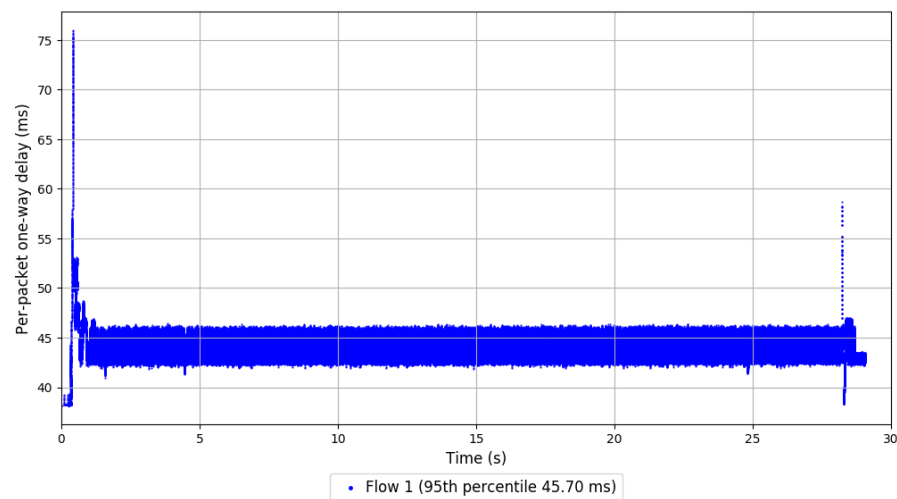
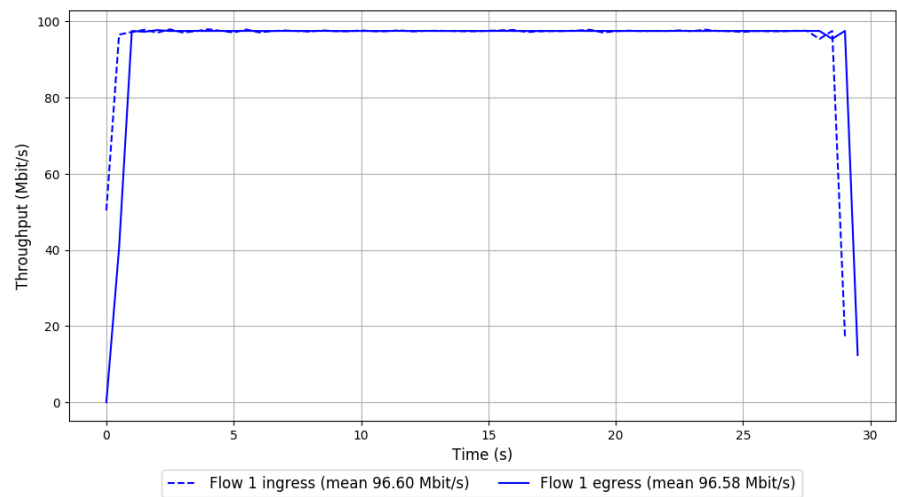


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-20 05:04:31
End at: 2019-02-20 05:05:01
Local clock offset: -1.013 ms
Remote clock offset: -6.737 ms

Below is generated by plot.py at 2019-02-20 07:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 45.696 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 45.696 ms
Loss rate: 0.24%

Run 1: Report of Indigo-MusesC3 — Data Link

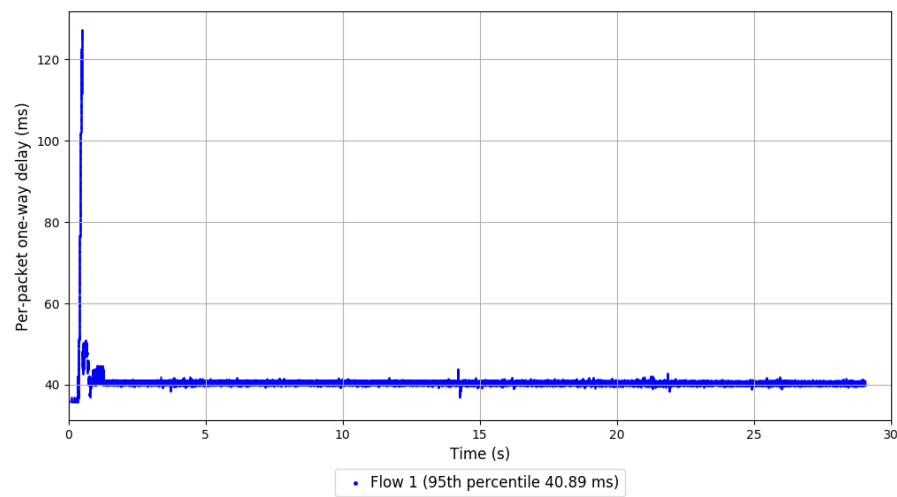
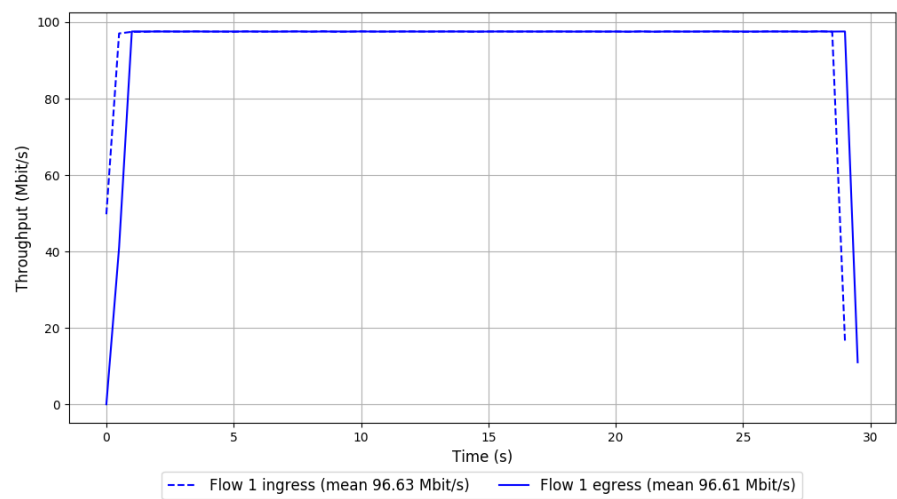


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-20 05:30:35
End at: 2019-02-20 05:31:05
Local clock offset: -3.493 ms
Remote clock offset: -4.228 ms

Below is generated by plot.py at 2019-02-20 07:19:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.892 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.892 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-20 05:56:21

End at: 2019-02-20 05:56:51

Local clock offset: 0.404 ms

Remote clock offset: -5.47 ms

Below is generated by plot.py at 2019-02-20 07:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 44.962 ms

Loss rate: 0.24%

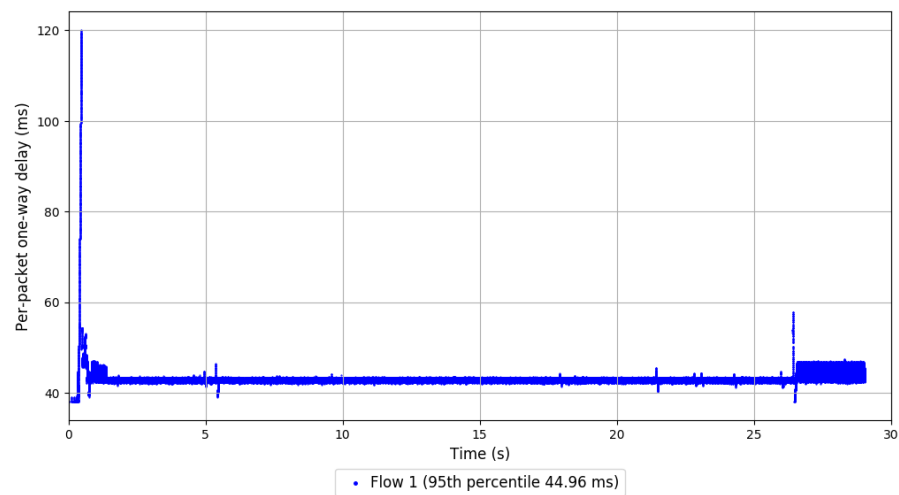
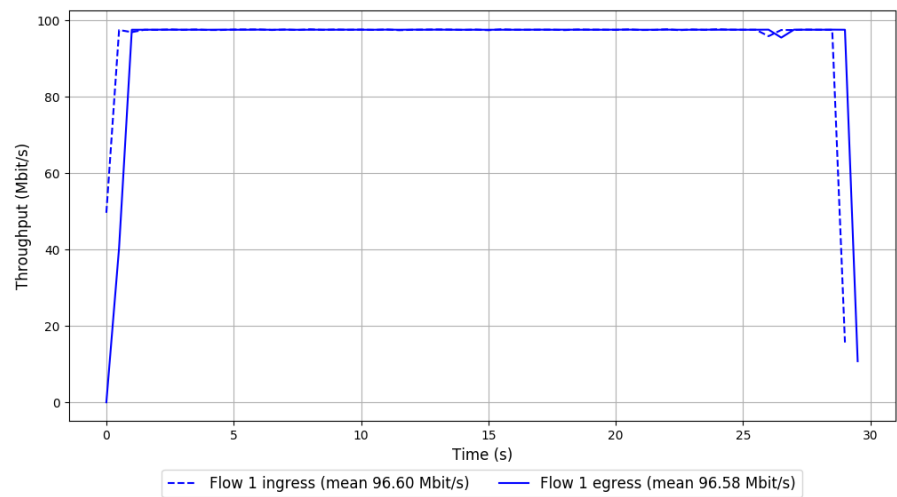
-- Flow 1:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 44.962 ms

Loss rate: 0.24%

Run 3: Report of Indigo-MusesC3 — Data Link

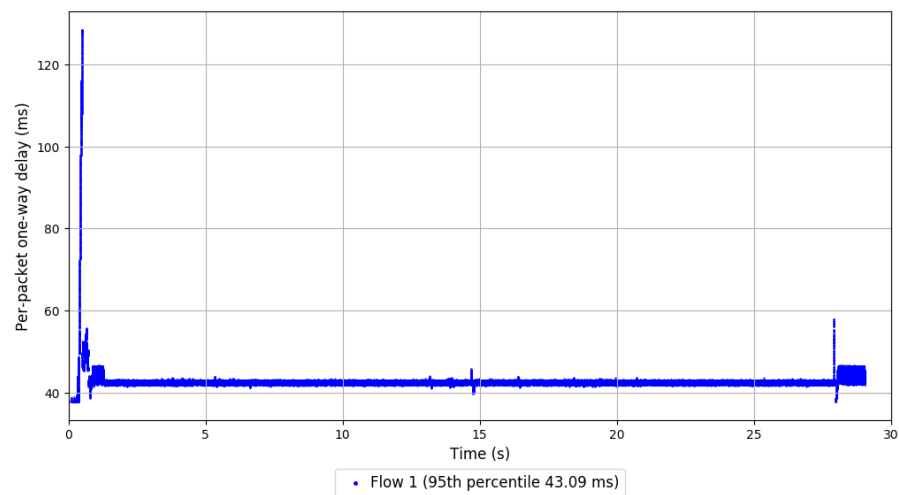
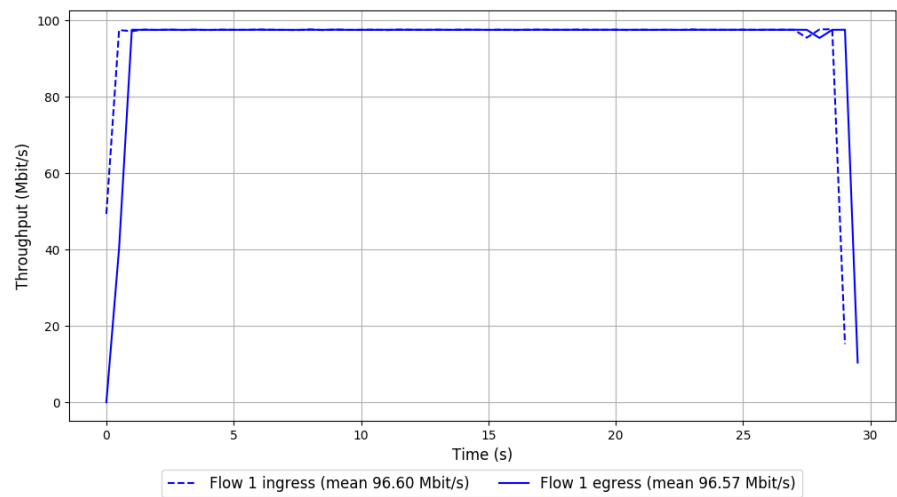


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-20 06:21:56
End at: 2019-02-20 06:22:26
Local clock offset: 0.37 ms
Remote clock offset: -4.578 ms

Below is generated by plot.py at 2019-02-20 07:19:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 43.087 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 43.087 ms
Loss rate: 0.24%

Run 4: Report of Indigo-MusesC3 — Data Link

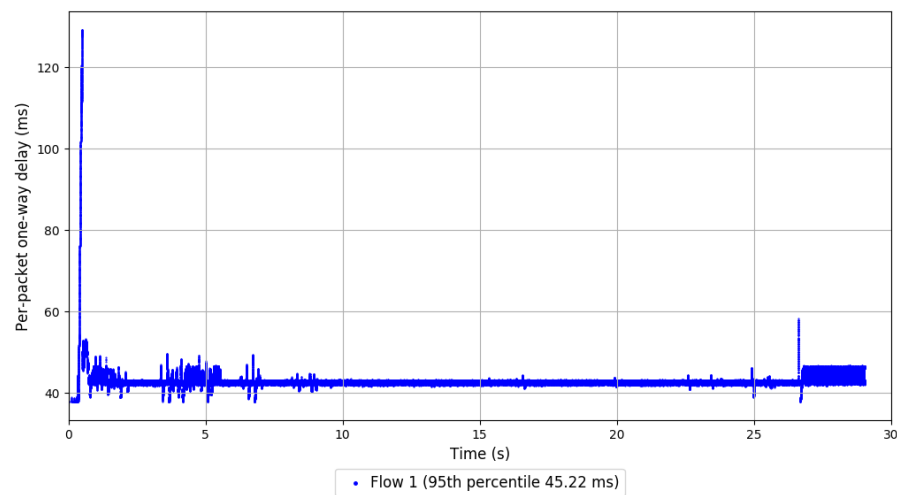
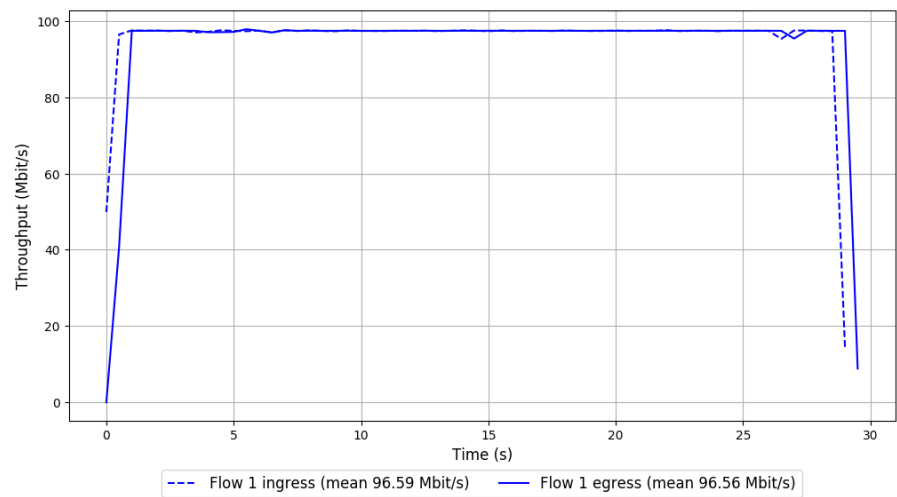


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-20 06:46:56
End at: 2019-02-20 06:47:26
Local clock offset: 0.385 ms
Remote clock offset: -4.349 ms

Below is generated by plot.py at 2019-02-20 07:19:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 45.217 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 45.217 ms
Loss rate: 0.25%

Run 5: Report of Indigo-MusesC3 — Data Link

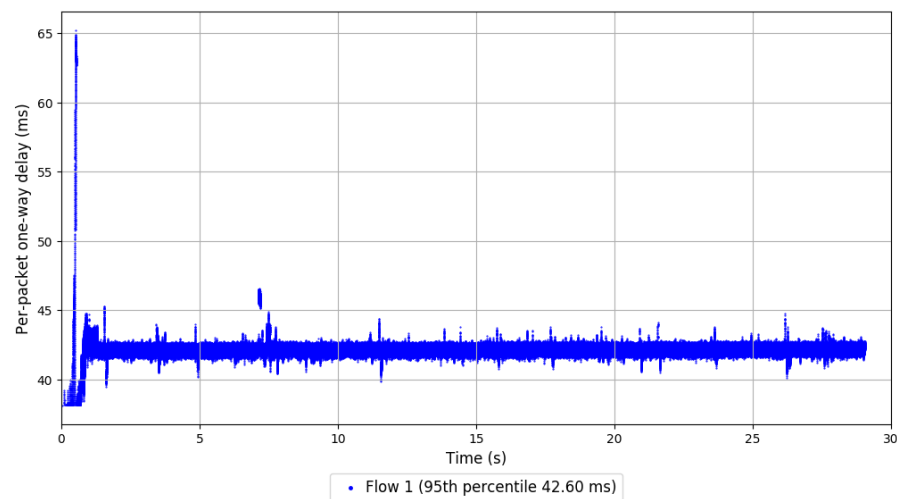
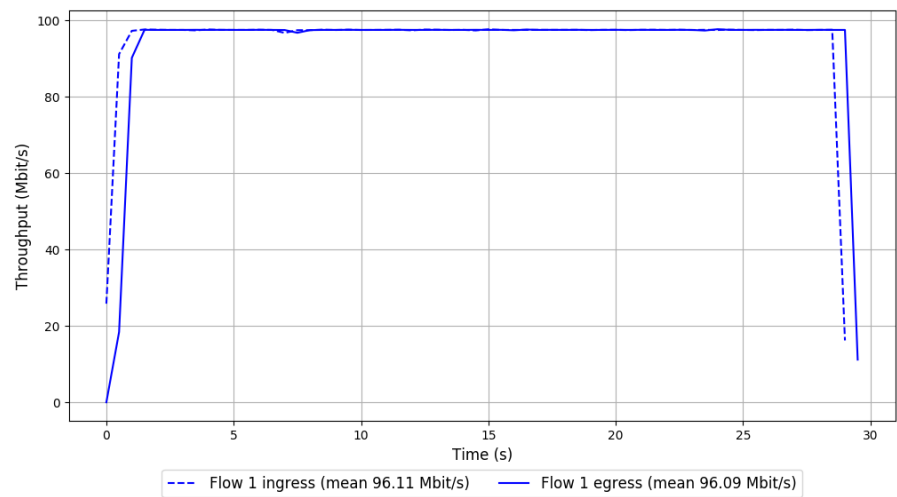


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-20 05:05:42
End at: 2019-02-20 05:06:12
Local clock offset: -1.316 ms
Remote clock offset: -6.785 ms

Below is generated by plot.py at 2019-02-20 07:19:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 42.602 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 42.602 ms
Loss rate: 0.24%

Run 1: Report of Indigo-MusesC5 — Data Link

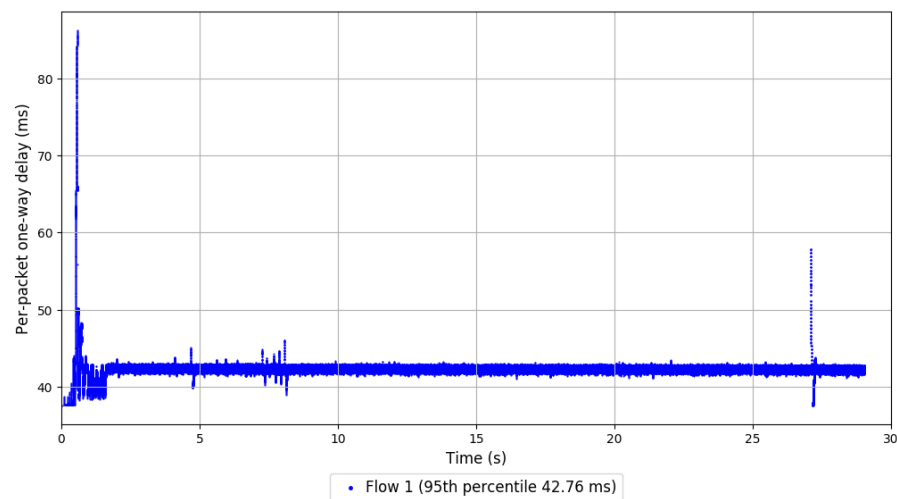
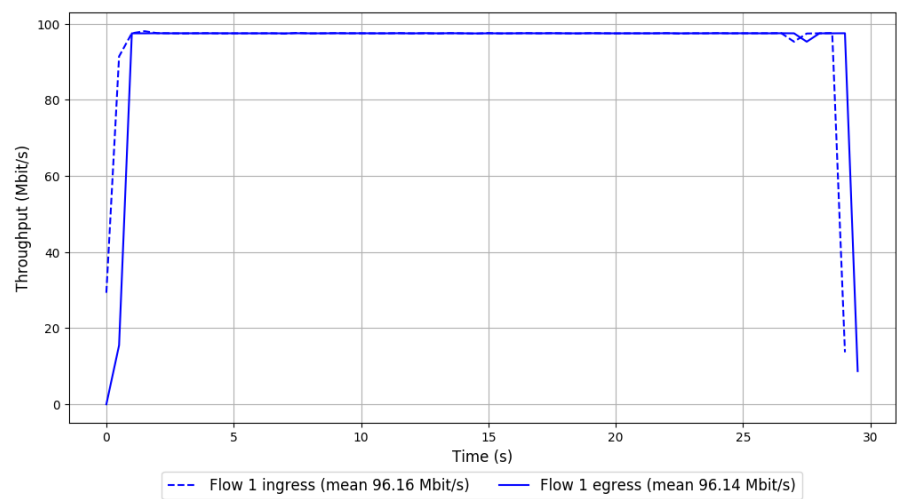


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-20 05:31:48
End at: 2019-02-20 05:32:18
Local clock offset: -3.013 ms
Remote clock offset: -6.031 ms

Below is generated by plot.py at 2019-02-20 07:20:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 42.762 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 42.762 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC5 — Data Link

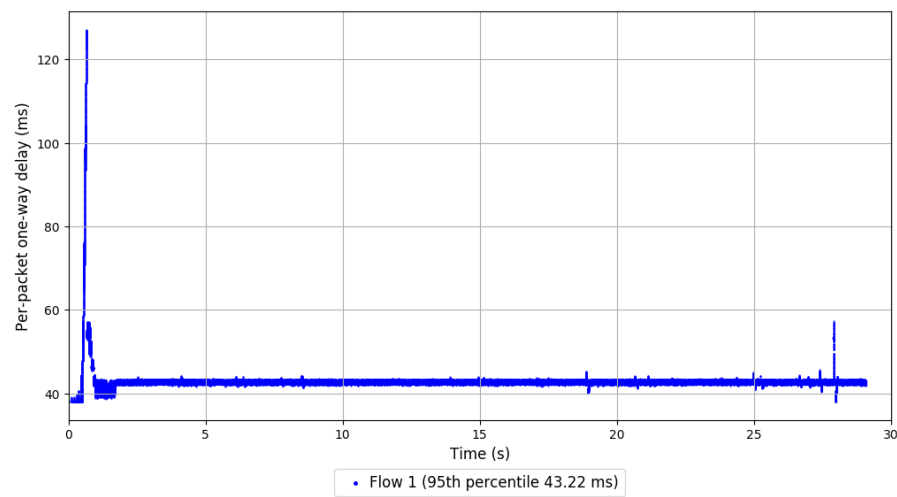
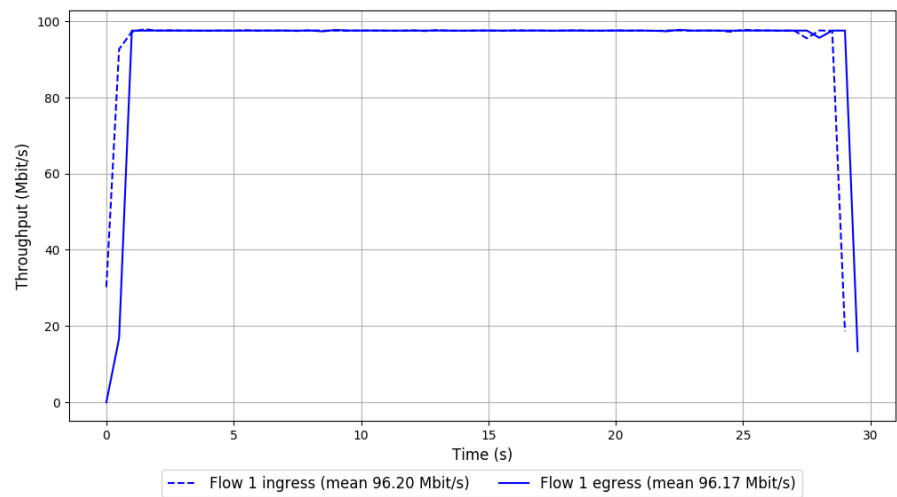


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-20 05:57:37
End at: 2019-02-20 05:58:07
Local clock offset: 0.444 ms
Remote clock offset: -5.388 ms

Below is generated by plot.py at 2019-02-20 07:20:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 43.215 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 43.215 ms
Loss rate: 0.25%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-20 06:23:07

End at: 2019-02-20 06:23:37

Local clock offset: 0.387 ms

Remote clock offset: -2.693 ms

Below is generated by plot.py at 2019-02-20 07:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 41.081 ms

Loss rate: 0.24%

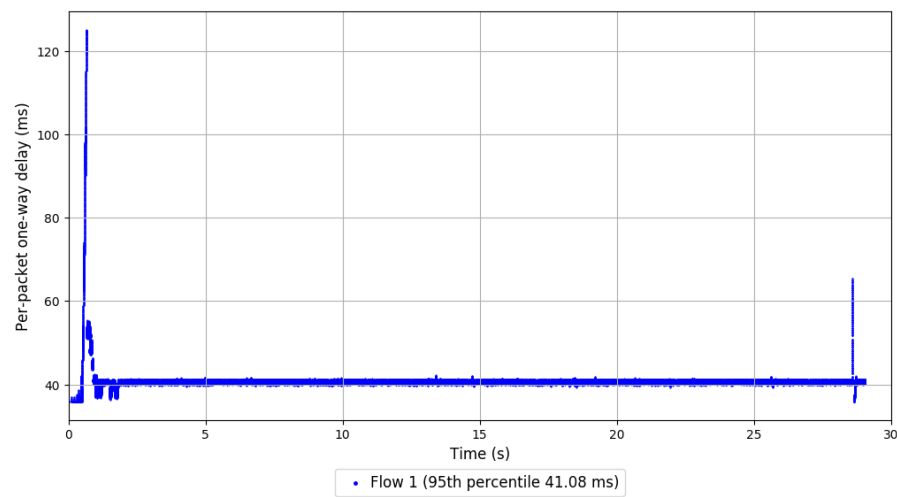
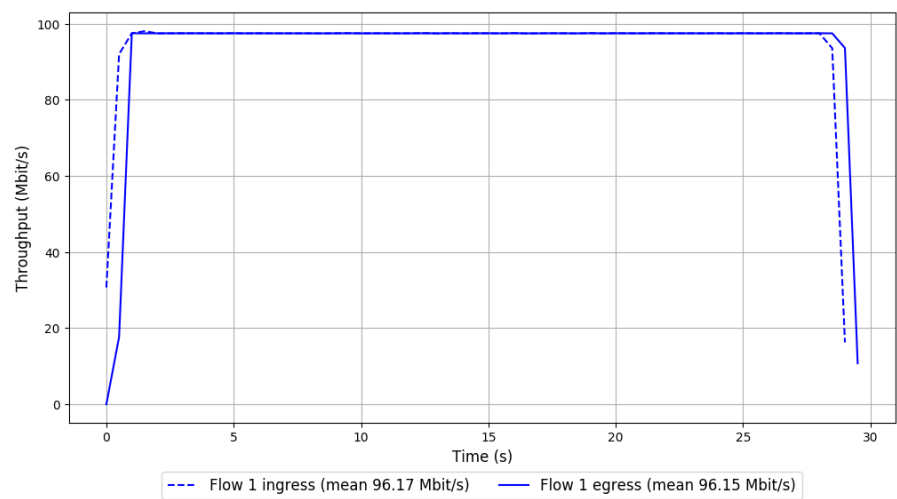
-- Flow 1:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 41.081 ms

Loss rate: 0.24%

Run 4: Report of Indigo-MusesC5 — Data Link

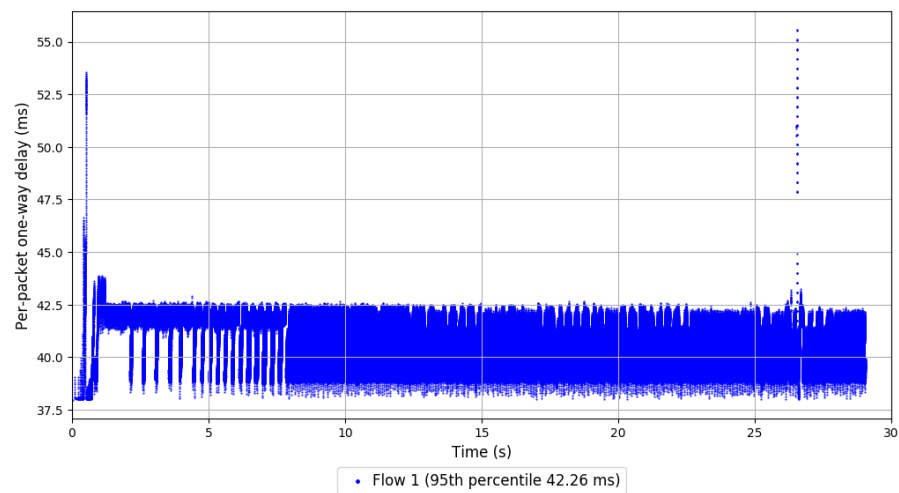
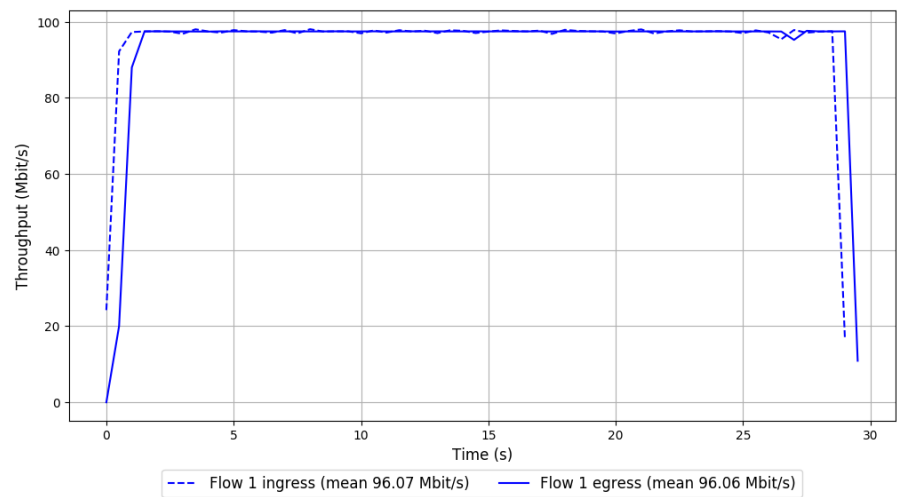


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-20 06:48:08
End at: 2019-02-20 06:48:38
Local clock offset: 0.401 ms
Remote clock offset: -4.425 ms

Below is generated by plot.py at 2019-02-20 07:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 42.259 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 42.259 ms
Loss rate: 0.23%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-20 05:24:08

End at: 2019-02-20 05:24:38

Local clock offset: -3.463 ms

Remote clock offset: -4.149 ms

Below is generated by plot.py at 2019-02-20 07:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 40.126 ms

Loss rate: 0.24%

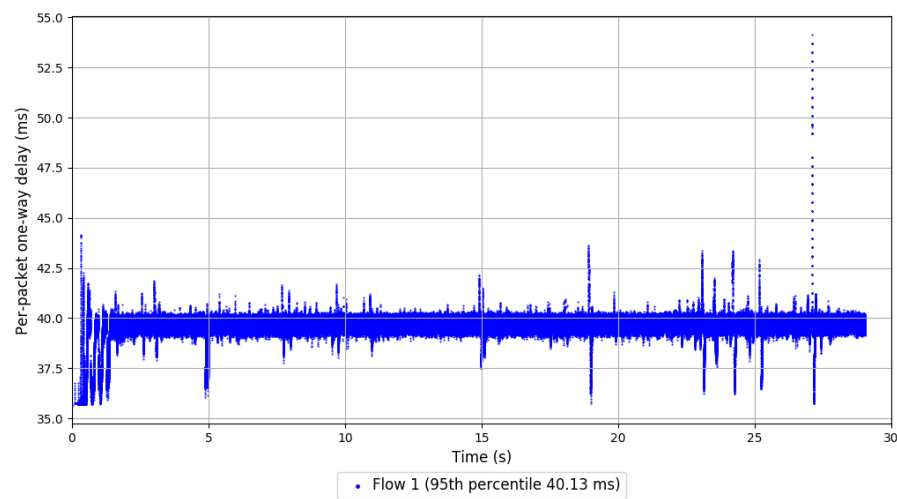
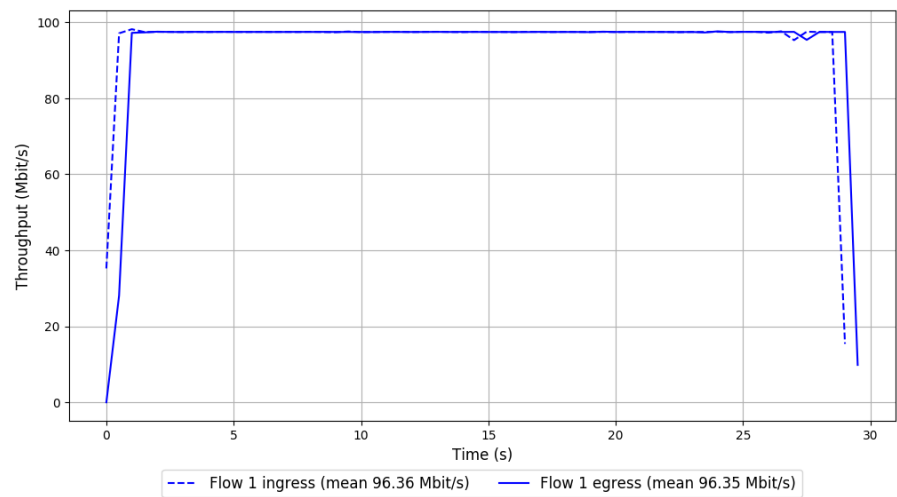
-- Flow 1:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 40.126 ms

Loss rate: 0.24%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-20 05:50:05

End at: 2019-02-20 05:50:35

Local clock offset: 0.103 ms

Remote clock offset: -5.636 ms

Below is generated by plot.py at 2019-02-20 07:20:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 42.934 ms

Loss rate: 0.23%

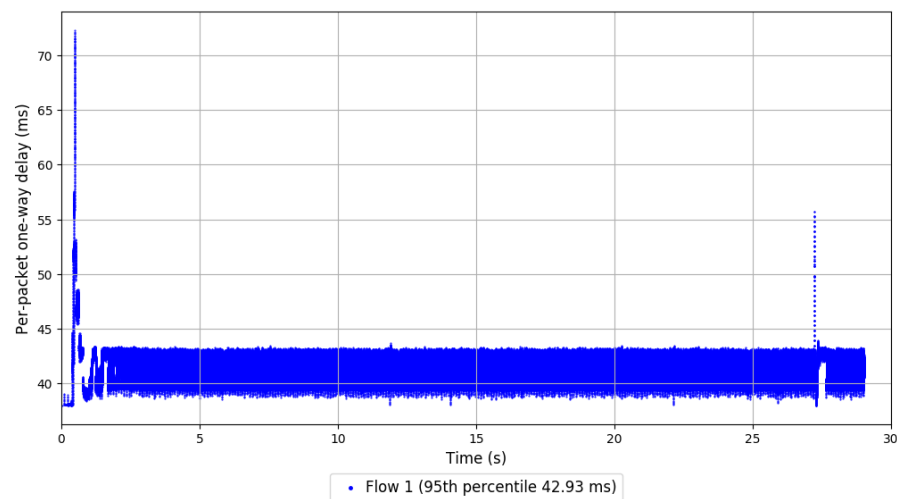
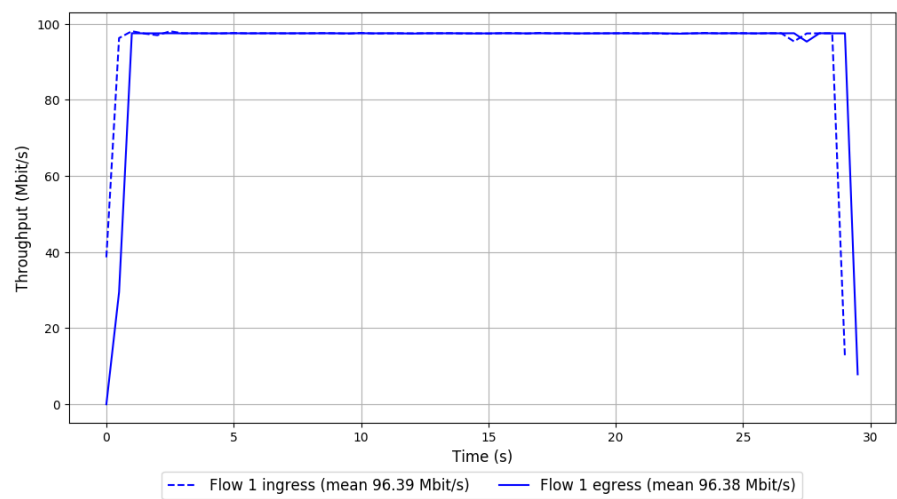
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 42.934 ms

Loss rate: 0.23%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-20 06:15:51

End at: 2019-02-20 06:16:21

Local clock offset: 0.326 ms

Remote clock offset: -4.589 ms

Below is generated by plot.py at 2019-02-20 07:20:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 42.129 ms

Loss rate: 0.24%

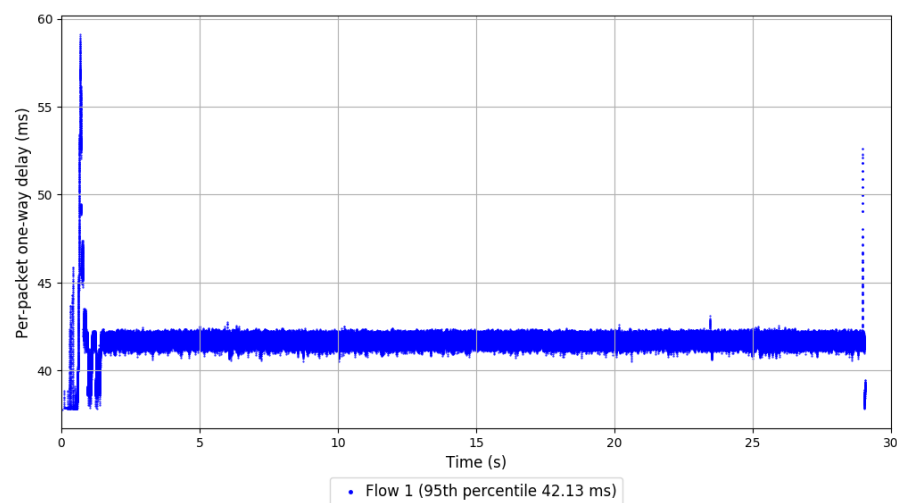
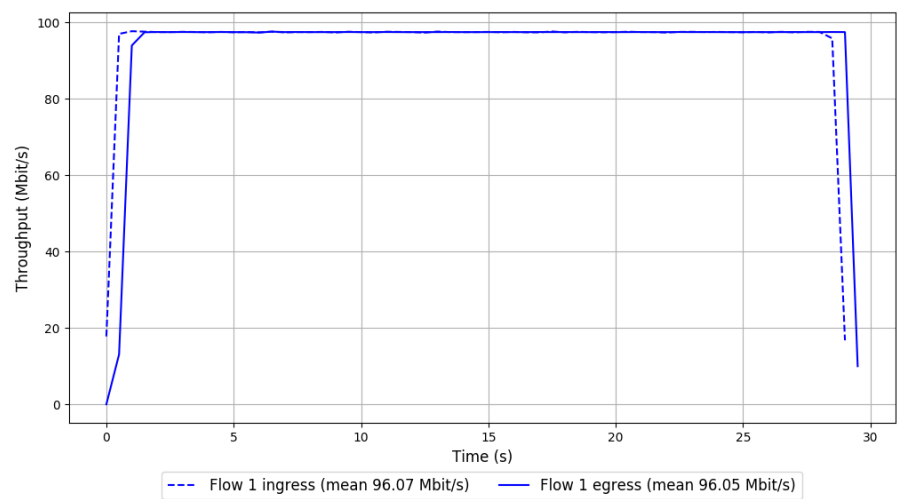
-- Flow 1:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 42.129 ms

Loss rate: 0.24%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-20 06:40:50

End at: 2019-02-20 06:41:20

Local clock offset: 0.358 ms

Remote clock offset: -4.447 ms

Below is generated by plot.py at 2019-02-20 07:21:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 42.998 ms

Loss rate: 0.24%

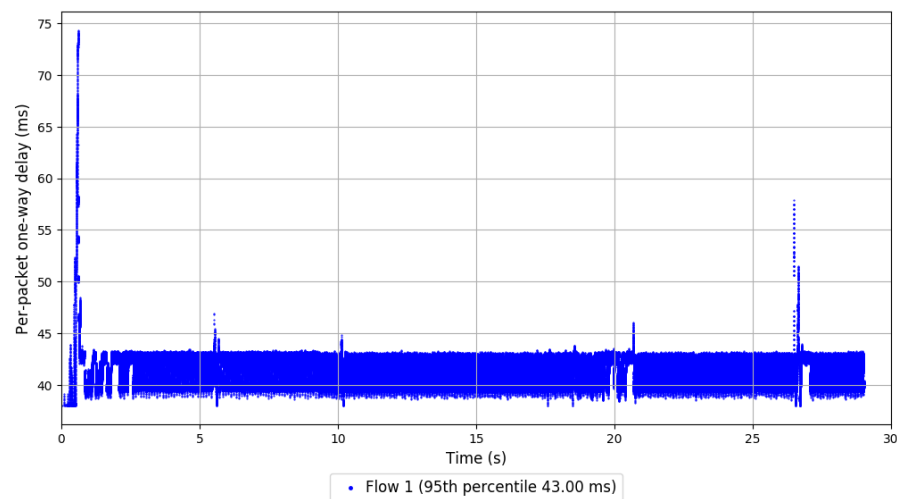
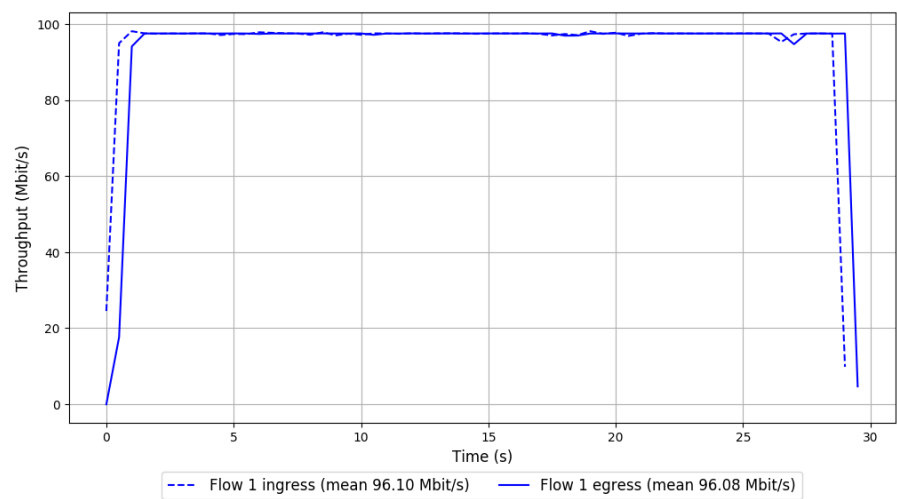
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 42.998 ms

Loss rate: 0.24%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-20 07:06:23

End at: 2019-02-20 07:06:53

Local clock offset: 2.035 ms

Remote clock offset: -2.473 ms

Below is generated by plot.py at 2019-02-20 07:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 40.305 ms

Loss rate: 0.24%

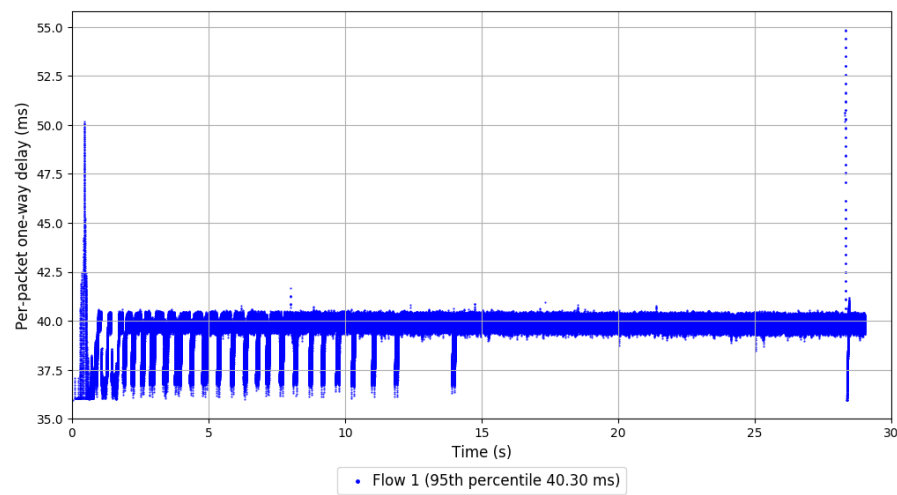
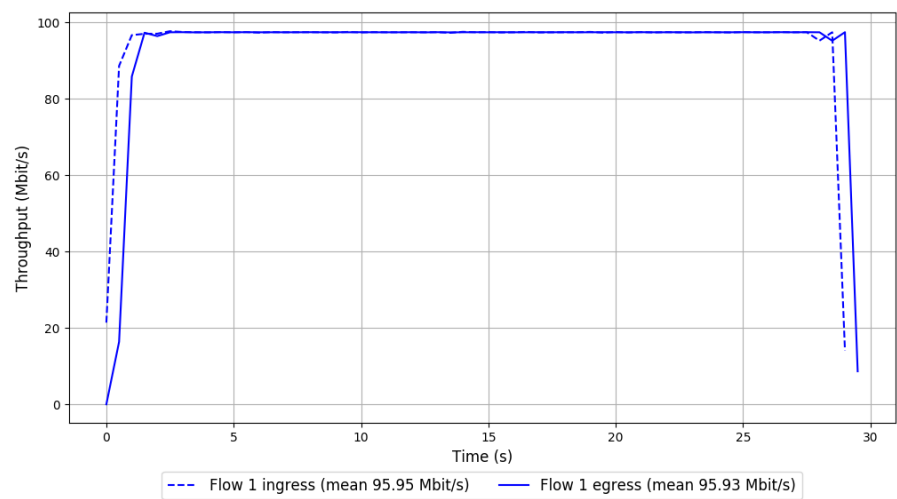
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 40.305 ms

Loss rate: 0.24%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-20 05:26:46

End at: 2019-02-20 05:27:16

Local clock offset: -3.621 ms

Remote clock offset: -4.402 ms

Below is generated by plot.py at 2019-02-20 07:21:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 44.524 ms

Loss rate: 0.76%

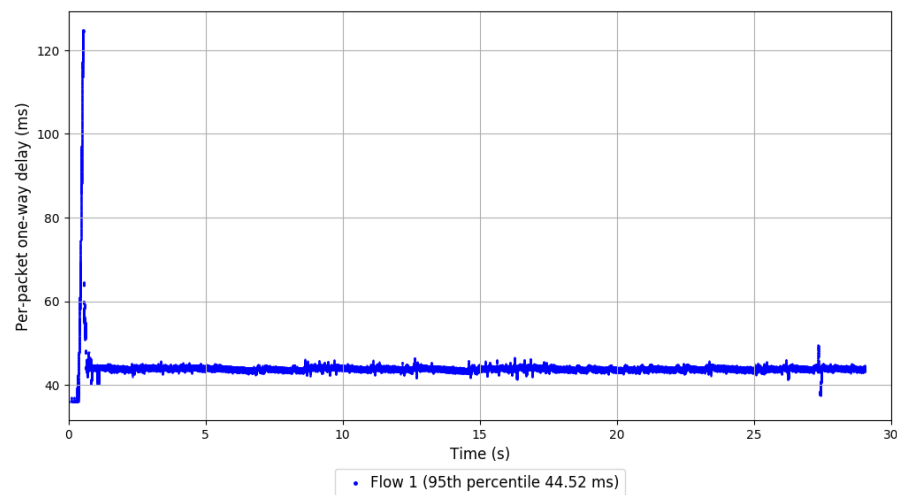
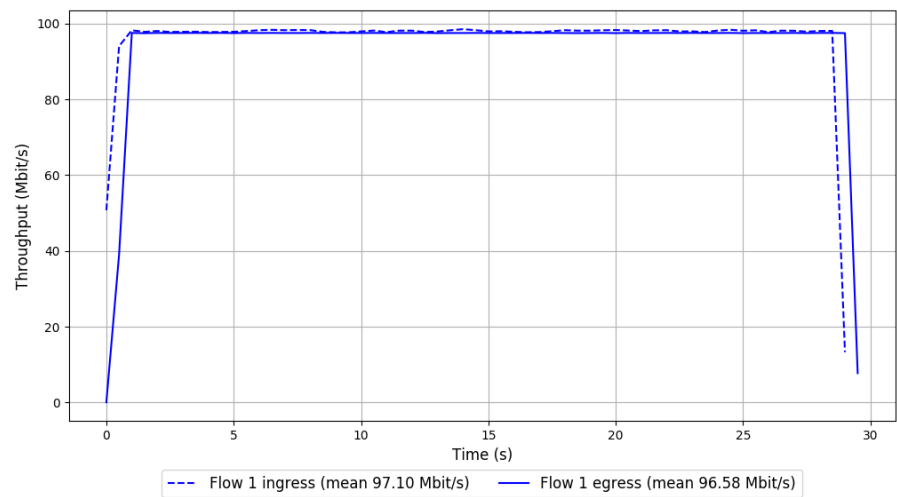
-- Flow 1:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 44.524 ms

Loss rate: 0.76%

Run 1: Report of Indigo-MusesT — Data Link

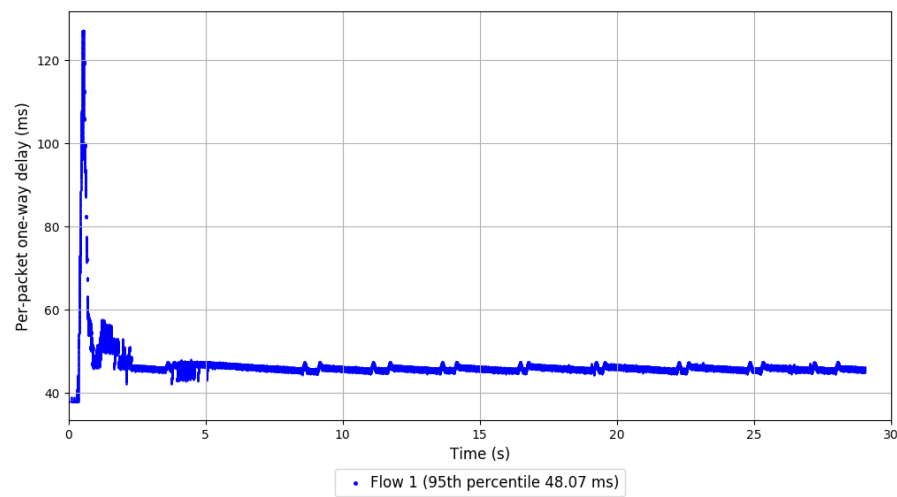
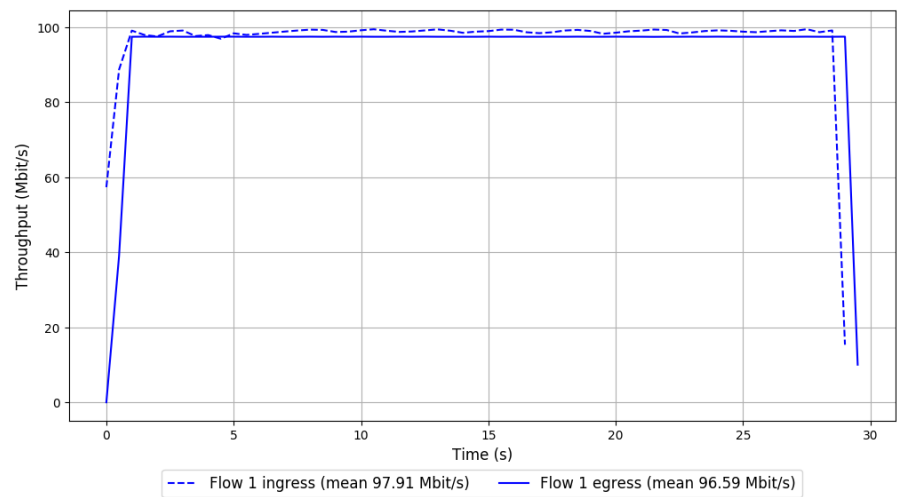


Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-20 05:52:37
End at: 2019-02-20 05:53:07
Local clock offset: 0.23 ms
Remote clock offset: -5.493 ms

Below is generated by plot.py at 2019-02-20 07:21:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 48.068 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 48.068 ms
Loss rate: 1.57%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-20 06:18:20

End at: 2019-02-20 06:18:50

Local clock offset: 0.346 ms

Remote clock offset: -2.737 ms

Below is generated by plot.py at 2019-02-20 07:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 44.520 ms

Loss rate: 0.83%

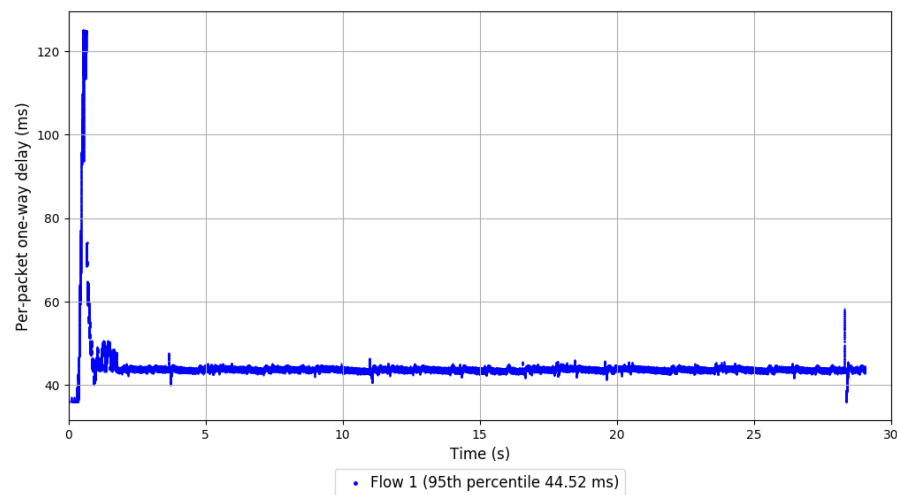
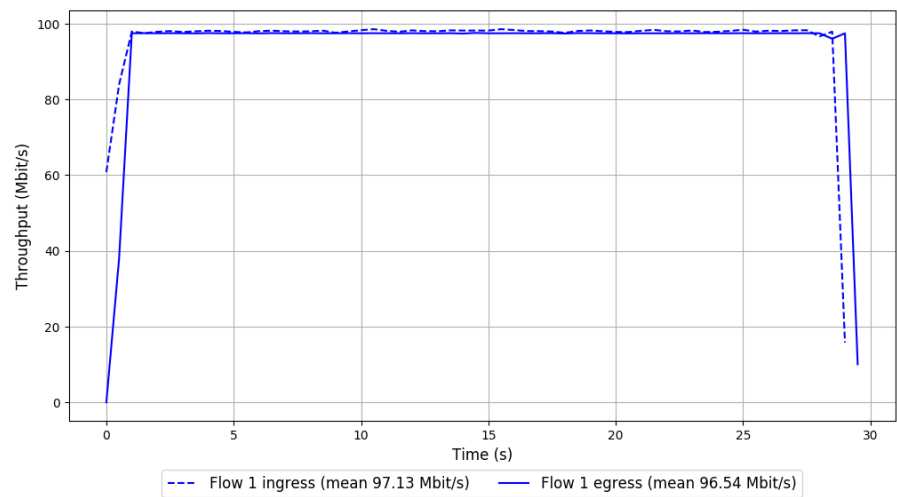
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 44.520 ms

Loss rate: 0.83%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-20 06:43:22

End at: 2019-02-20 06:43:52

Local clock offset: 0.38 ms

Remote clock offset: -4.244 ms

Below is generated by plot.py at 2019-02-20 07:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 53.085 ms

Loss rate: 1.39%

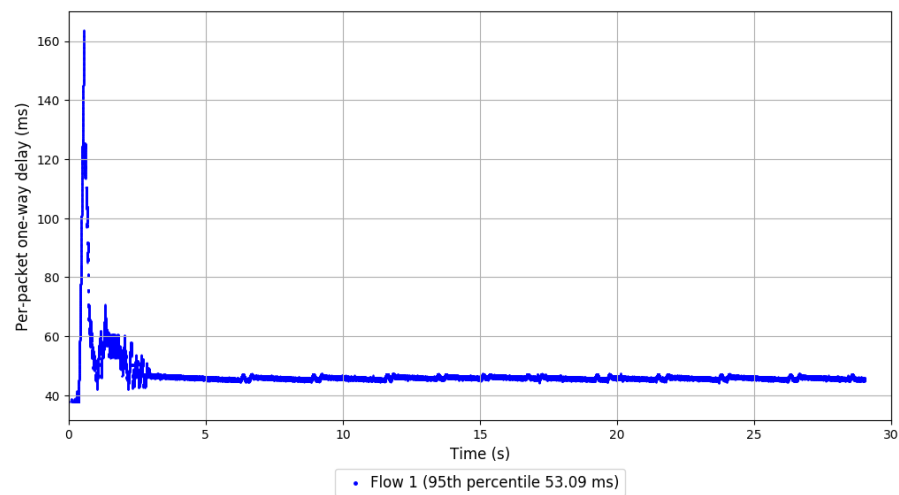
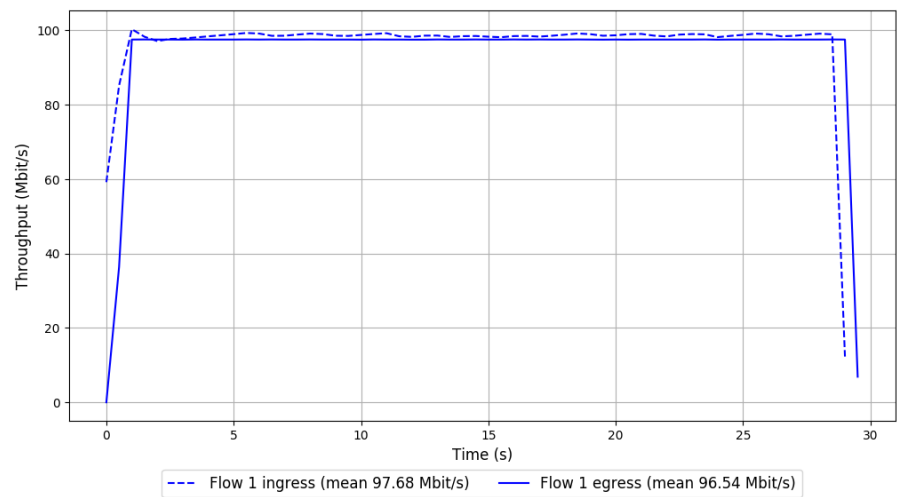
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 53.085 ms

Loss rate: 1.39%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-20 07:08:48

End at: 2019-02-20 07:09:18

Local clock offset: 2.387 ms

Remote clock offset: -2.202 ms

Below is generated by plot.py at 2019-02-20 07:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 44.146 ms

Loss rate: 0.97%

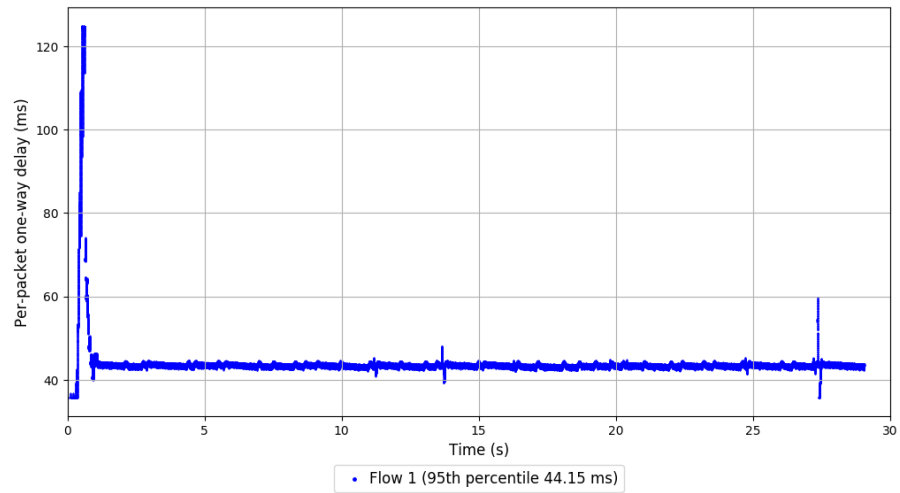
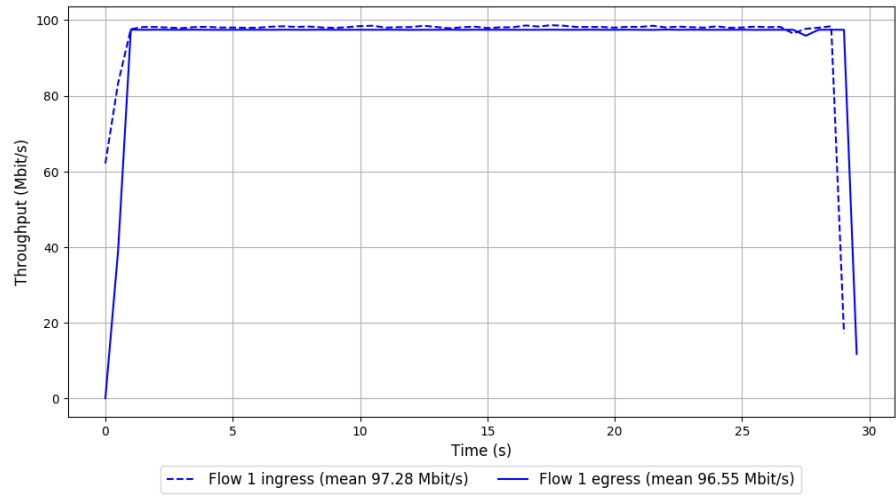
-- Flow 1:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 44.146 ms

Loss rate: 0.97%

Run 5: Report of Indigo-MusesT — Data Link

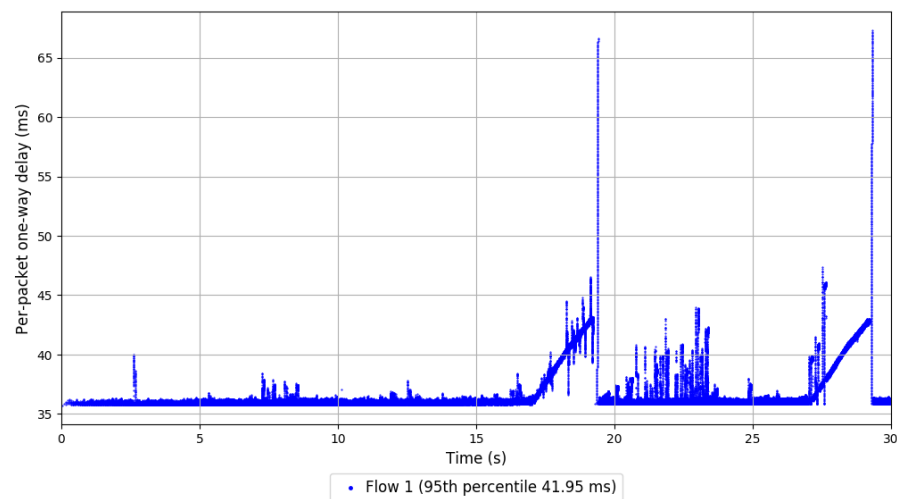
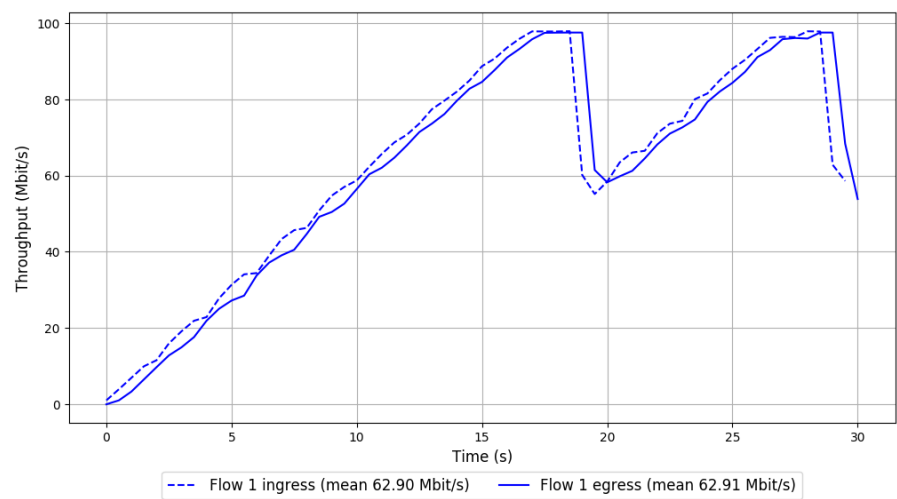


Run 1: Statistics of LEDBAT

Start at: 2019-02-20 05:28:04
End at: 2019-02-20 05:28:34
Local clock offset: -3.688 ms
Remote clock offset: -4.109 ms

Below is generated by plot.py at 2019-02-20 07:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 41.948 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 41.948 ms
Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-02-20 05:53:52

End at: 2019-02-20 05:54:22

Local clock offset: 0.309 ms

Remote clock offset: -5.49 ms

Below is generated by plot.py at 2019-02-20 07:21:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 43.138 ms

Loss rate: 0.34%

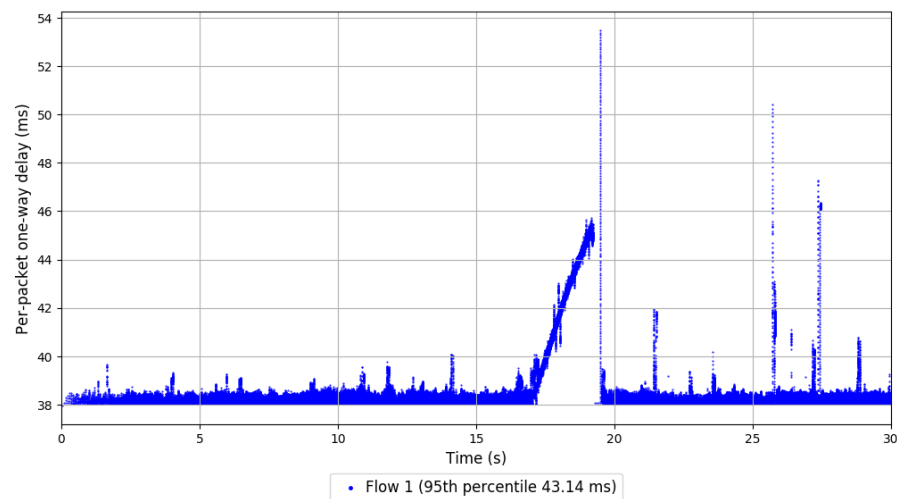
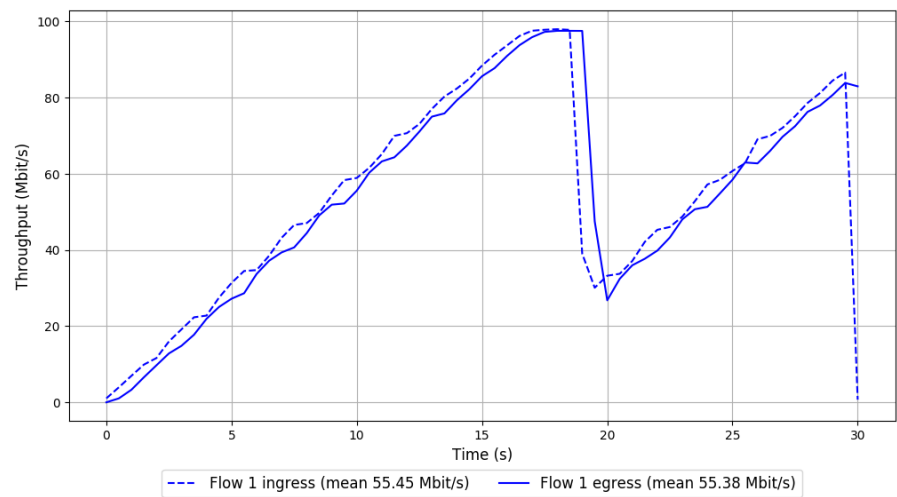
-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 43.138 ms

Loss rate: 0.34%

Run 2: Report of LEDBAT — Data Link

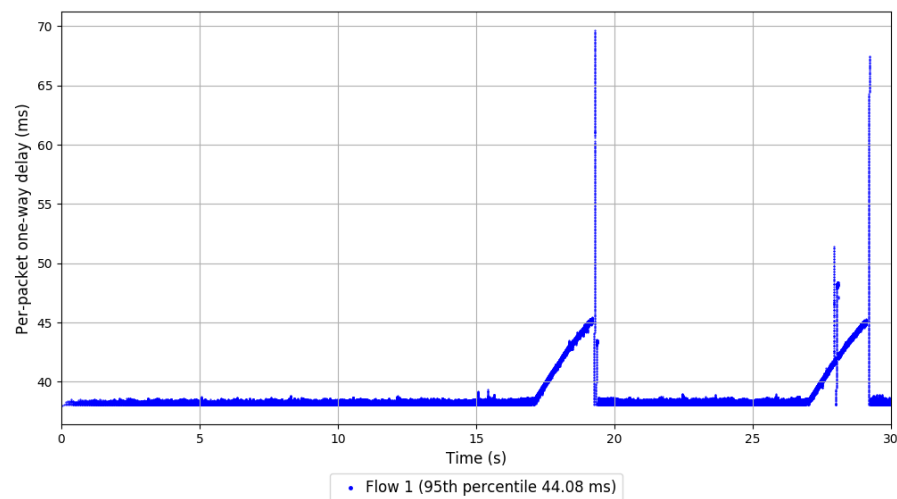
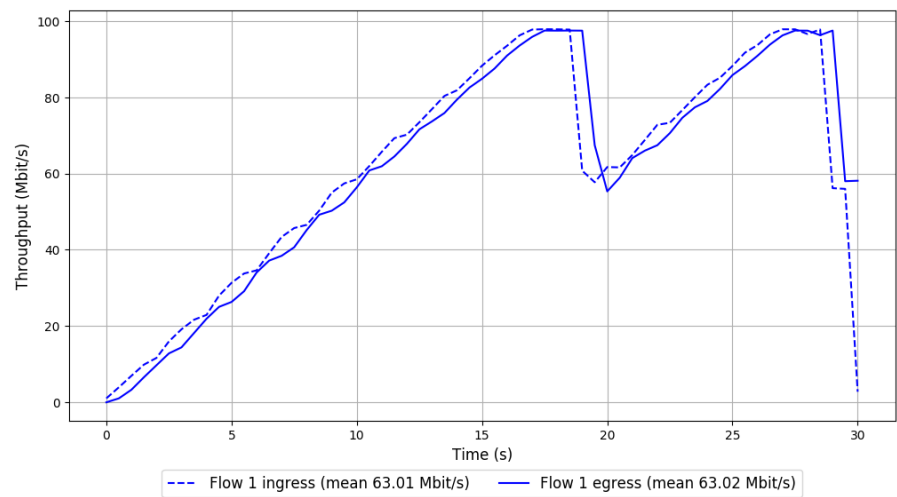


Run 3: Statistics of LEDBAT

Start at: 2019-02-20 06:19:33
End at: 2019-02-20 06:20:03
Local clock offset: 0.329 ms
Remote clock offset: -4.813 ms

Below is generated by plot.py at 2019-02-20 07:21:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 44.076 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 44.076 ms
Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link

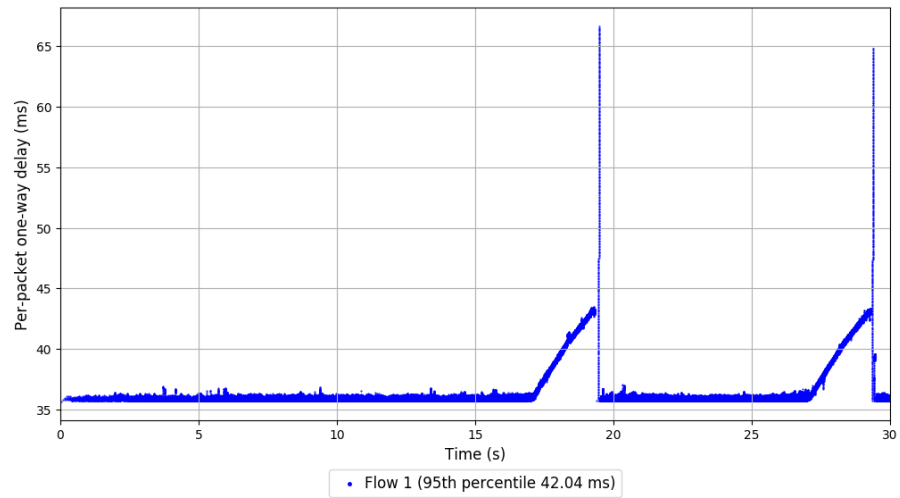
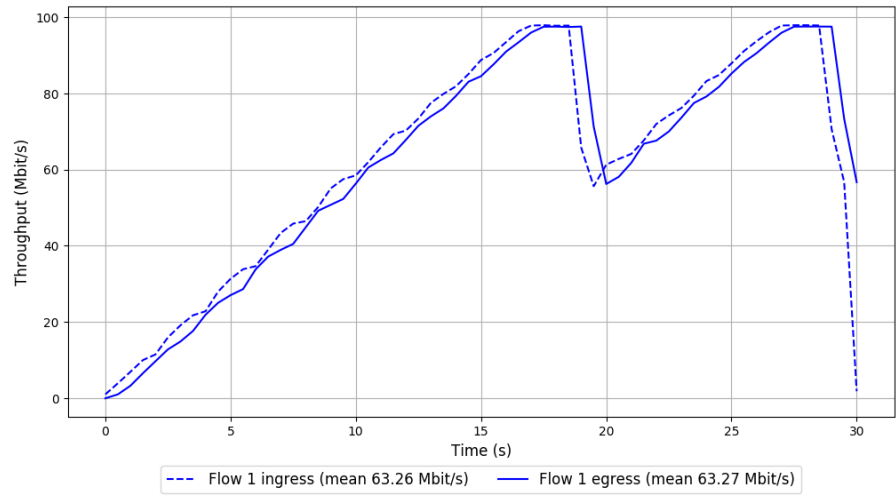


Run 4: Statistics of LEDBAT

Start at: 2019-02-20 06:44:34
End at: 2019-02-20 06:45:04
Local clock offset: 0.355 ms
Remote clock offset: -2.231 ms

Below is generated by plot.py at 2019-02-20 07:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 42.044 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 42.044 ms
Loss rate: 0.20%

Run 4: Report of LEDBAT — Data Link

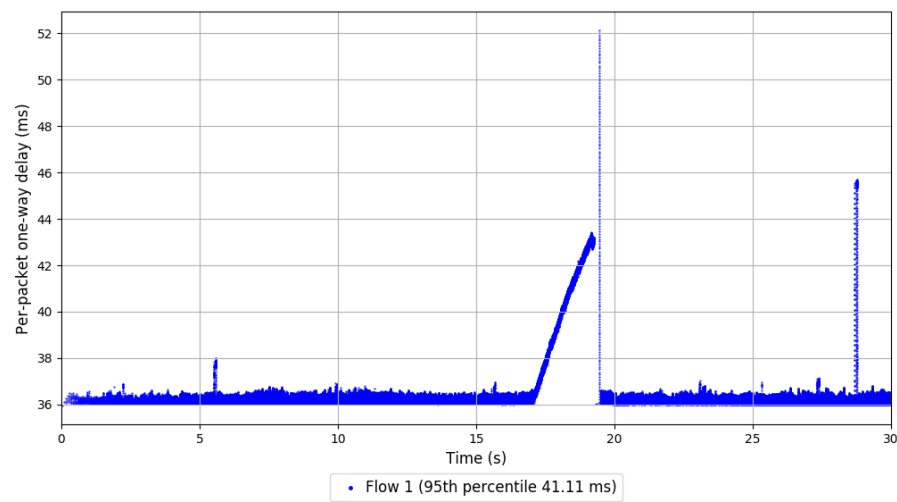
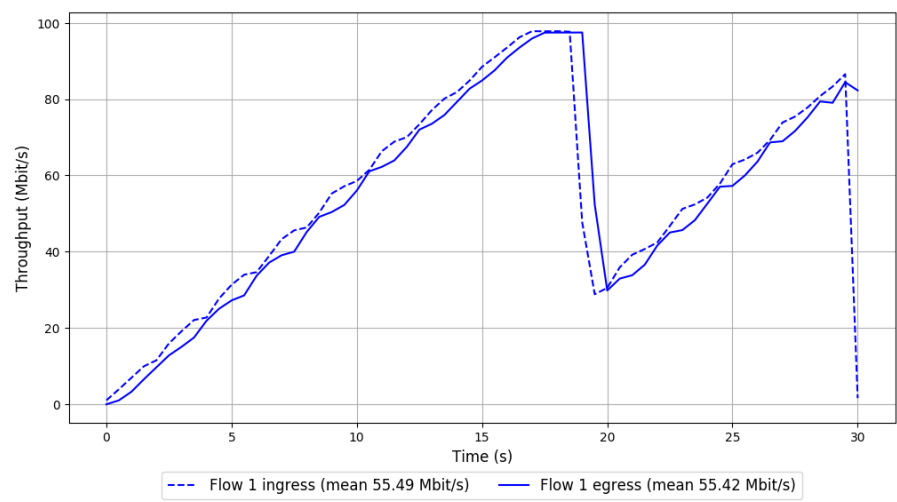


Run 5: Statistics of LEDBAT

Start at: 2019-02-20 07:09:59
End at: 2019-02-20 07:10:29
Local clock offset: 2.57 ms
Remote clock offset: -2.479 ms

Below is generated by plot.py at 2019-02-20 07:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 41.108 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 41.108 ms
Loss rate: 0.34%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-20 05:18:19

End at: 2019-02-20 05:18:49

Local clock offset: -3.019 ms

Remote clock offset: -4.623 ms

Below is generated by plot.py at 2019-02-20 07:22:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 40.083 ms

Loss rate: 0.24%

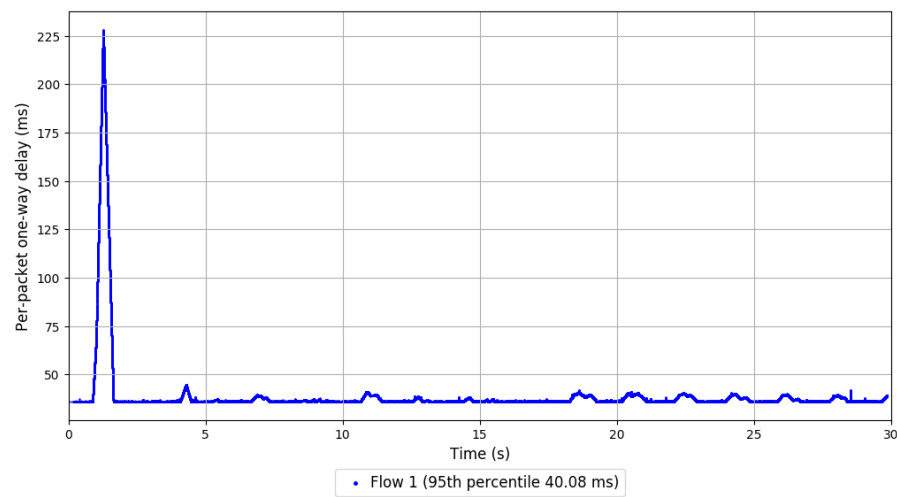
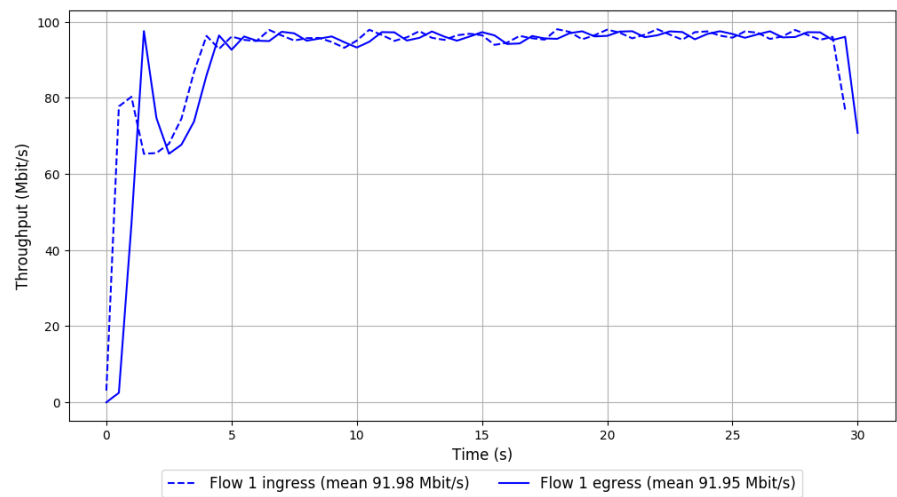
-- Flow 1:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 40.083 ms

Loss rate: 0.24%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-20 05:44:13

End at: 2019-02-20 05:44:43

Local clock offset: -0.348 ms

Remote clock offset: -5.512 ms

Below is generated by plot.py at 2019-02-20 07:22:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.73 Mbit/s

95th percentile per-packet one-way delay: 43.418 ms

Loss rate: 0.24%

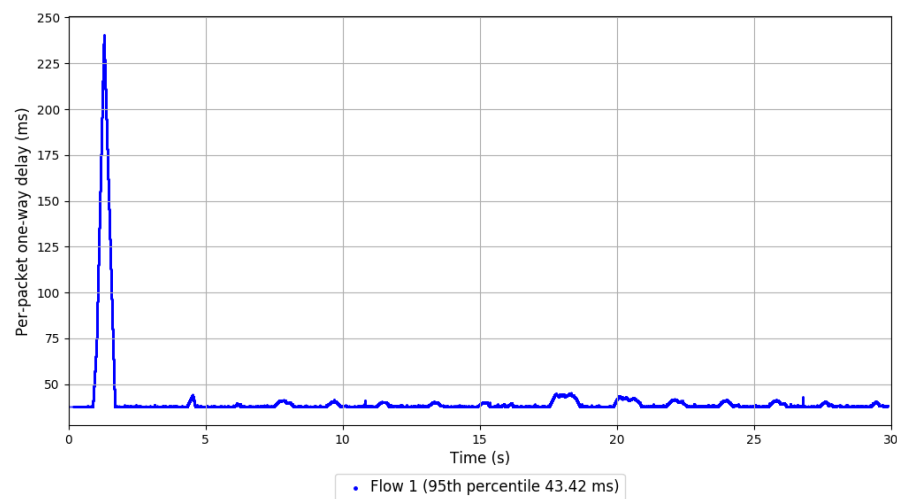
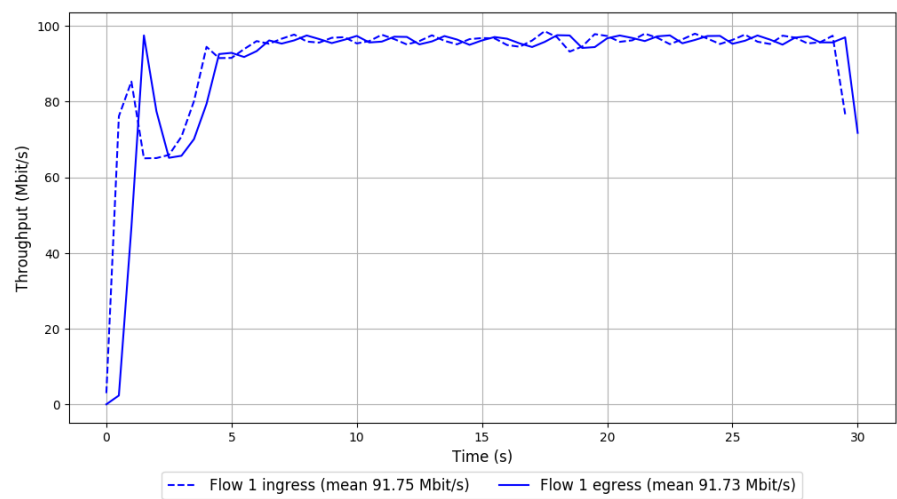
-- Flow 1:

Average throughput: 91.73 Mbit/s

95th percentile per-packet one-way delay: 43.418 ms

Loss rate: 0.24%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-20 06:10:00

End at: 2019-02-20 06:10:30

Local clock offset: 0.327 ms

Remote clock offset: -5.036 ms

Below is generated by plot.py at 2019-02-20 07:22:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 43.810 ms

Loss rate: 0.25%

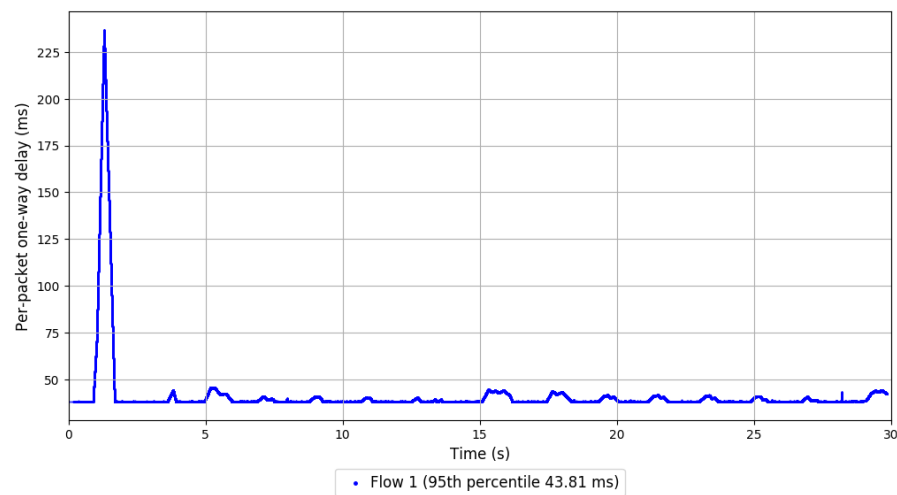
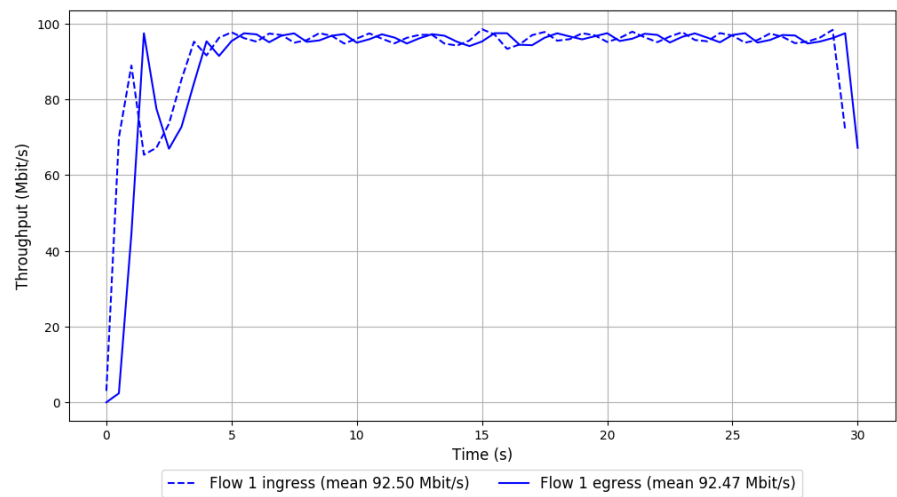
-- Flow 1:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 43.810 ms

Loss rate: 0.25%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-20 06:34:59

End at: 2019-02-20 06:35:29

Local clock offset: 0.406 ms

Remote clock offset: -2.582 ms

Below is generated by plot.py at 2019-02-20 07:22:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 41.137 ms

Loss rate: 0.25%

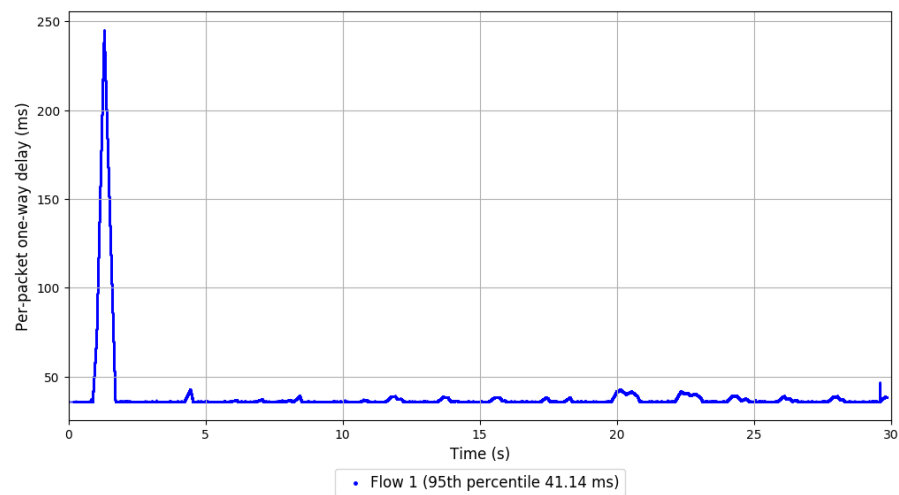
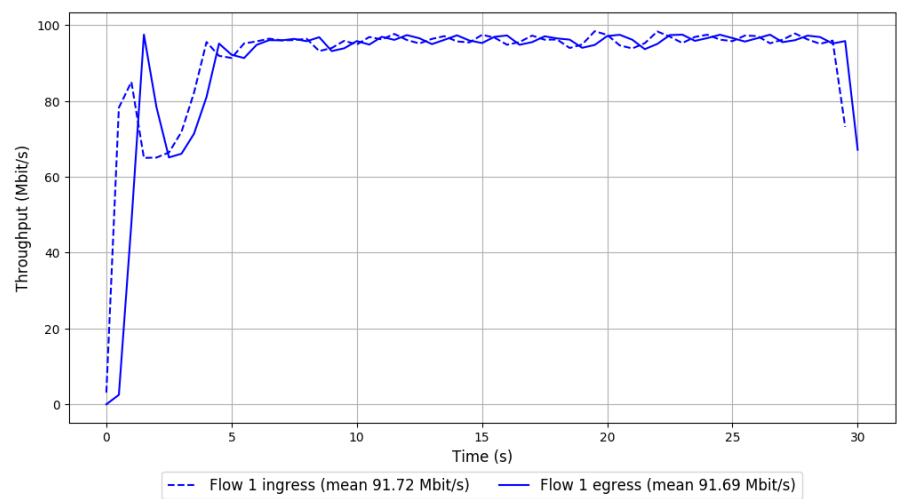
-- Flow 1:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 41.137 ms

Loss rate: 0.25%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-20 07:00:27

End at: 2019-02-20 07:00:57

Local clock offset: 0.588 ms

Remote clock offset: -4.462 ms

Below is generated by plot.py at 2019-02-20 07:22:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 43.402 ms

Loss rate: 0.23%

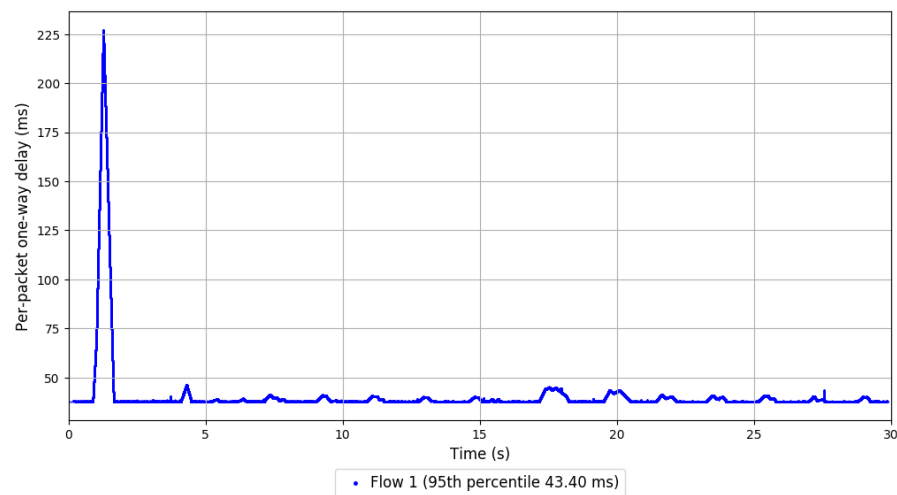
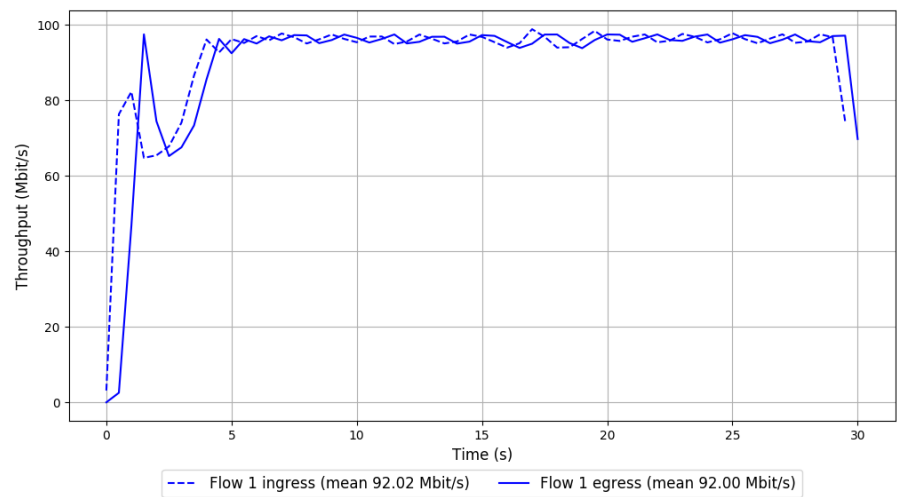
-- Flow 1:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 43.402 ms

Loss rate: 0.23%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-02-20 05:09:34

End at: 2019-02-20 05:10:04

Local clock offset: -2.021 ms

Remote clock offset: -6.486 ms

Below is generated by plot.py at 2019-02-20 07:23:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 163.982 ms

Loss rate: 0.32%

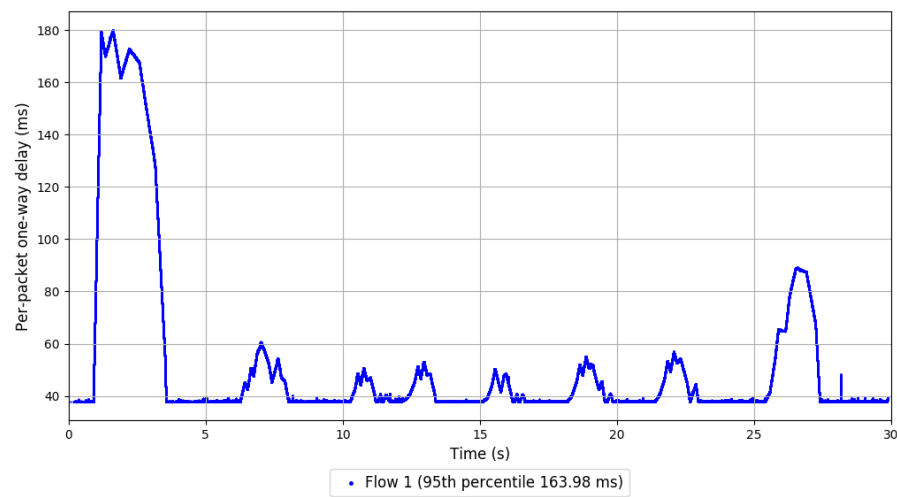
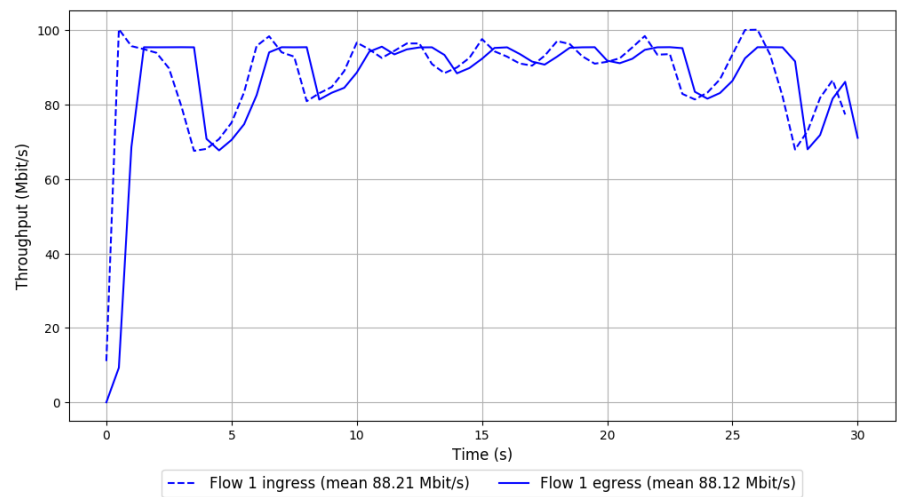
-- Flow 1:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 163.982 ms

Loss rate: 0.32%

Run 1: Report of PCC-Expr — Data Link

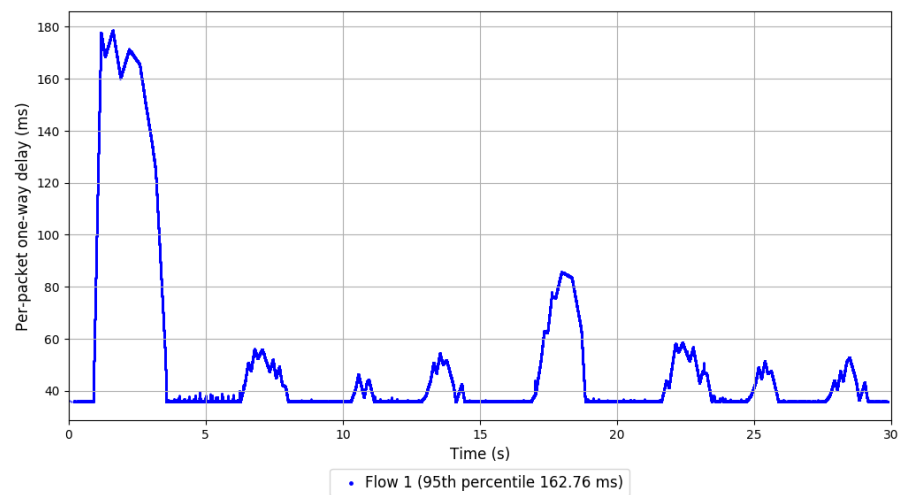
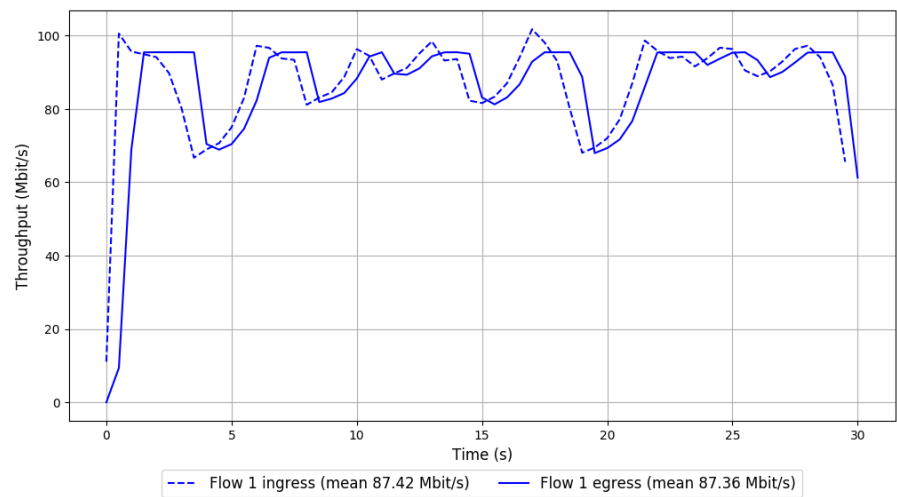


Run 2: Statistics of PCC-Expr

Start at: 2019-02-20 05:35:37
End at: 2019-02-20 05:36:07
Local clock offset: -1.805 ms
Remote clock offset: -4.075 ms

Below is generated by plot.py at 2019-02-20 07:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 162.760 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 162.760 ms
Loss rate: 0.29%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-20 06:01:28

End at: 2019-02-20 06:01:58

Local clock offset: 0.466 ms

Remote clock offset: -4.98 ms

Below is generated by plot.py at 2019-02-20 07:23:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 160.101 ms

Loss rate: 0.36%

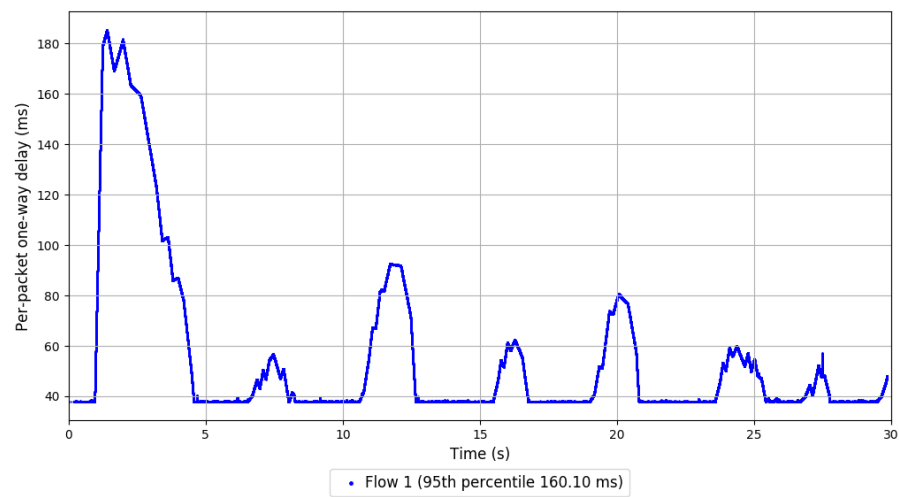
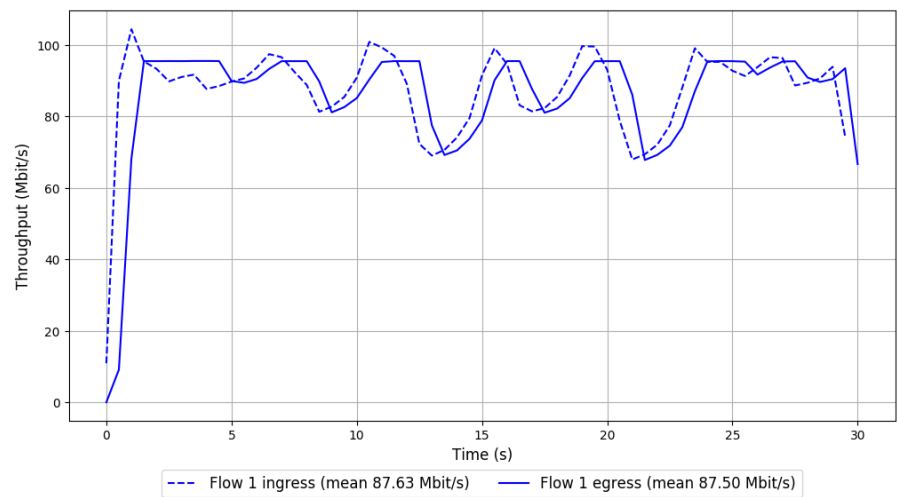
-- Flow 1:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 160.101 ms

Loss rate: 0.36%

Run 3: Report of PCC-Expr — Data Link

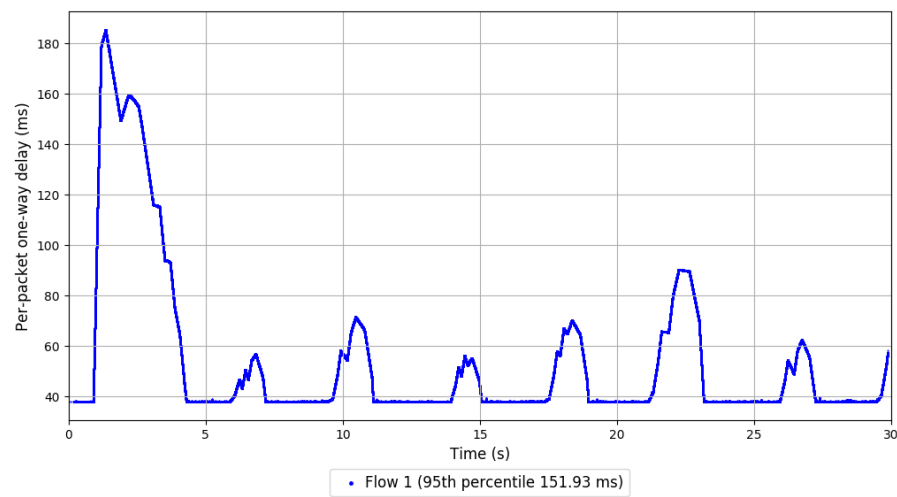
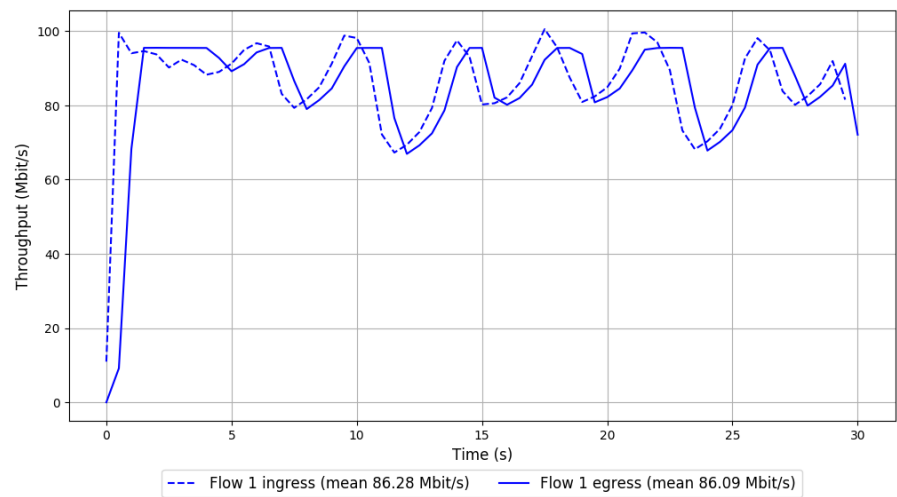


Run 4: Statistics of PCC-Expr

Start at: 2019-02-20 06:26:41
End at: 2019-02-20 06:27:11
Local clock offset: 0.448 ms
Remote clock offset: -4.685 ms

Below is generated by plot.py at 2019-02-20 07:24:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 151.931 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 151.931 ms
Loss rate: 0.43%

Run 4: Report of PCC-Expr — Data Link

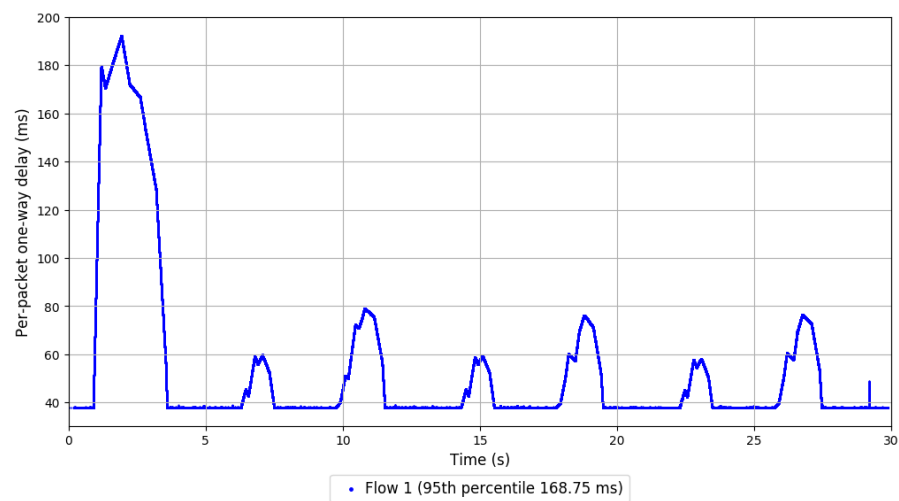
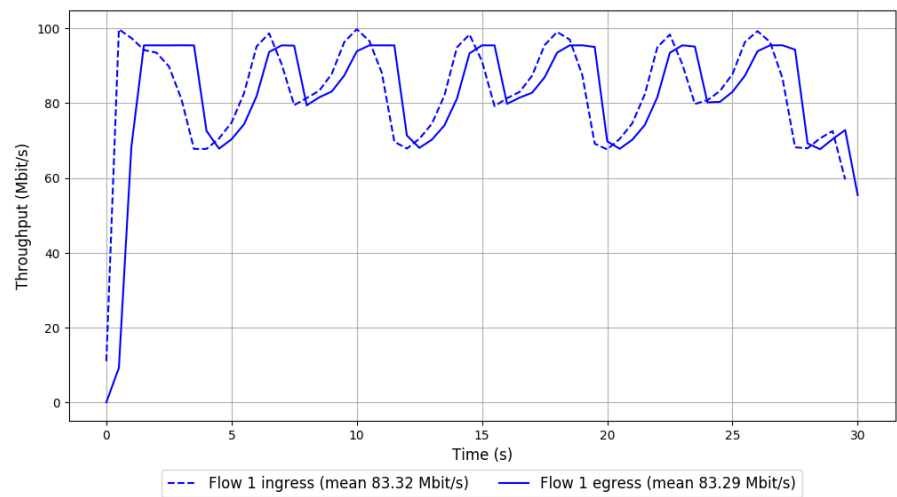


Run 5: Statistics of PCC-Expr

Start at: 2019-02-20 06:52:01
End at: 2019-02-20 06:52:32
Local clock offset: 0.414 ms
Remote clock offset: -4.467 ms

Below is generated by plot.py at 2019-02-20 07:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.29 Mbit/s
95th percentile per-packet one-way delay: 168.753 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 83.29 Mbit/s
95th percentile per-packet one-way delay: 168.753 ms
Loss rate: 0.25%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-20 05:12:24

End at: 2019-02-20 05:12:54

Local clock offset: -2.432 ms

Remote clock offset: -6.722 ms

Below is generated by plot.py at 2019-02-20 07:24:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.75 Mbit/s

95th percentile per-packet one-way delay: 54.466 ms

Loss rate: 0.30%

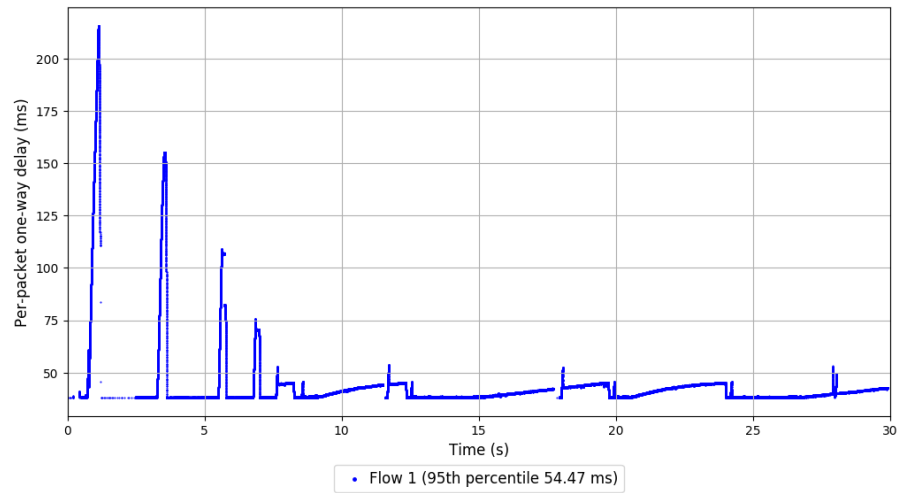
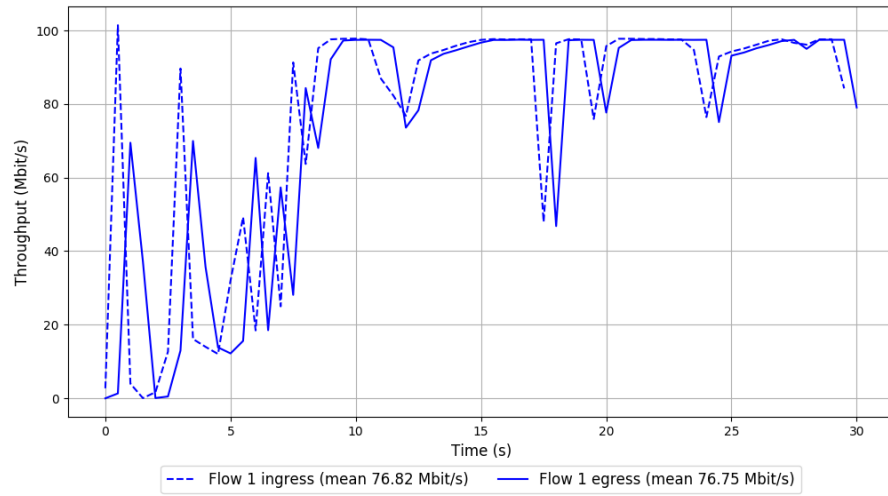
-- Flow 1:

Average throughput: 76.75 Mbit/s

95th percentile per-packet one-way delay: 54.466 ms

Loss rate: 0.30%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-20 05:38:18

End at: 2019-02-20 05:38:48

Local clock offset: -1.227 ms

Remote clock offset: -6.049 ms

Below is generated by plot.py at 2019-02-20 07:24:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.12 Mbit/s

95th percentile per-packet one-way delay: 58.212 ms

Loss rate: 0.35%

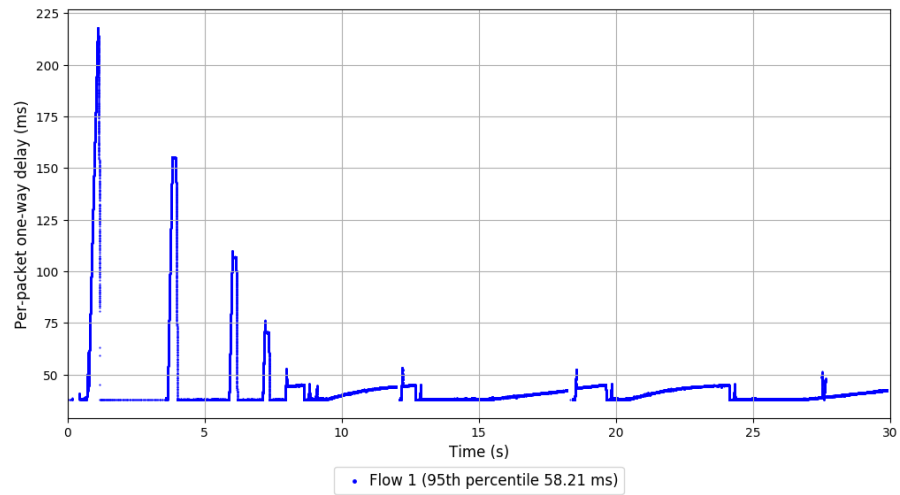
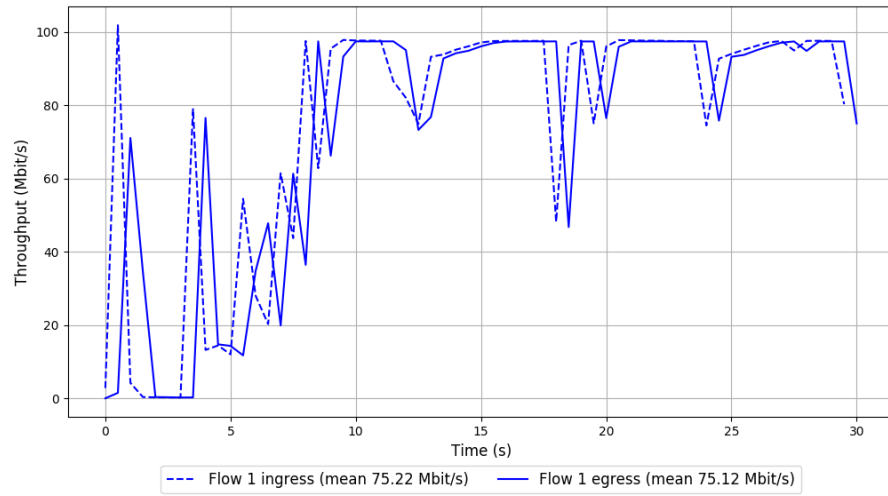
-- Flow 1:

Average throughput: 75.12 Mbit/s

95th percentile per-packet one-way delay: 58.212 ms

Loss rate: 0.35%

Run 2: Report of QUIC Cubic — Data Link

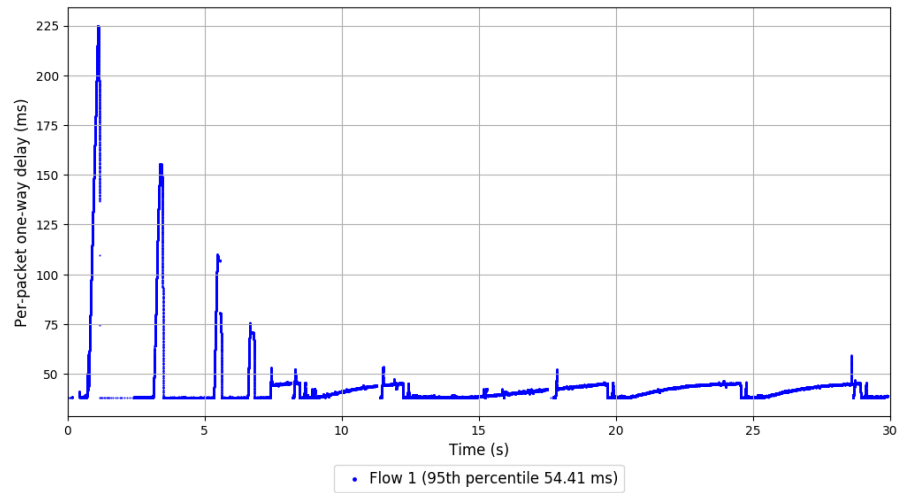
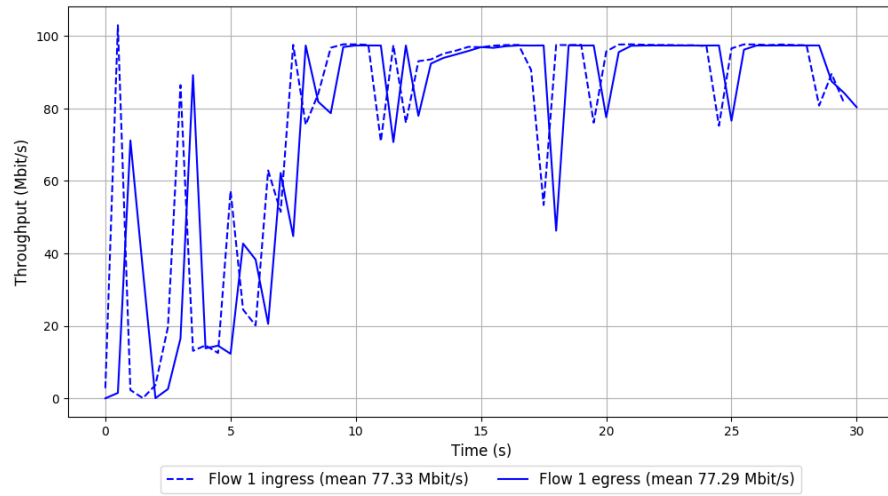


Run 3: Statistics of QUIC Cubic

Start at: 2019-02-20 06:04:11
End at: 2019-02-20 06:04:41
Local clock offset: 0.399 ms
Remote clock offset: -5.156 ms

Below is generated by plot.py at 2019-02-20 07:24:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 54.409 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 54.409 ms
Loss rate: 0.19%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-20 06:29:08

End at: 2019-02-20 06:29:39

Local clock offset: 0.489 ms

Remote clock offset: -4.709 ms

Below is generated by plot.py at 2019-02-20 07:24:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.66 Mbit/s

95th percentile per-packet one-way delay: 54.934 ms

Loss rate: 0.28%

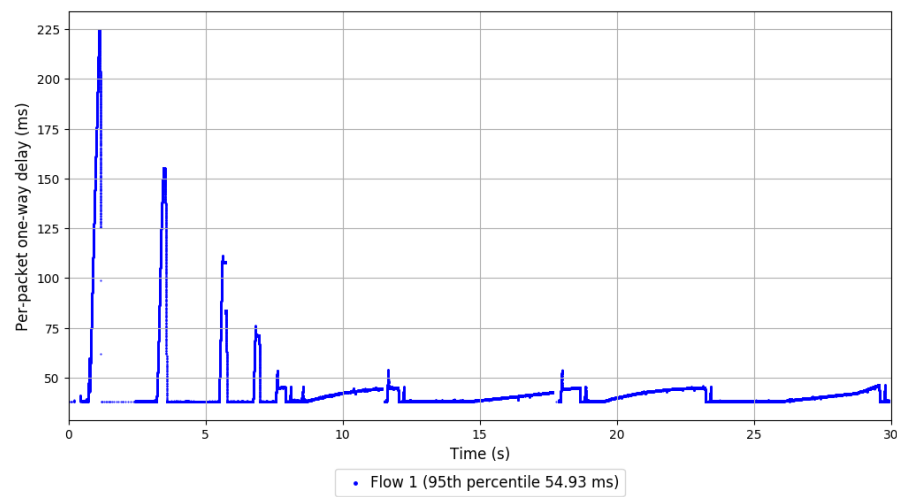
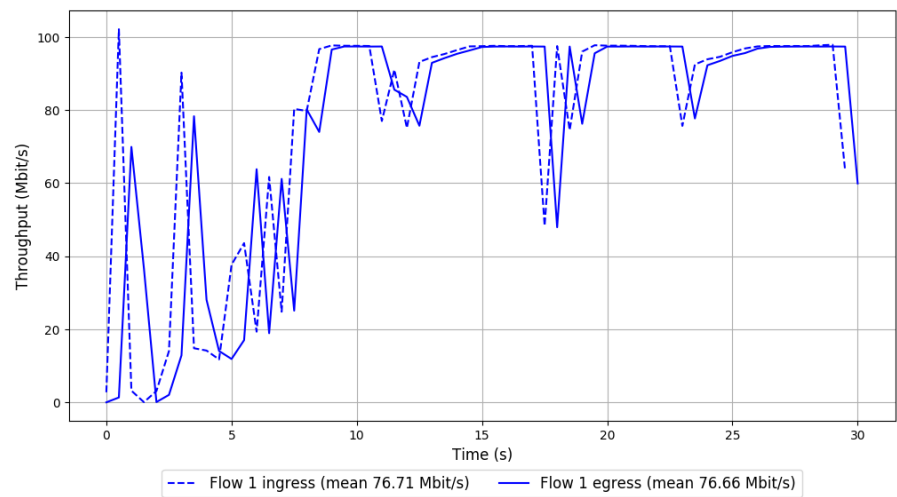
-- Flow 1:

Average throughput: 76.66 Mbit/s

95th percentile per-packet one-way delay: 54.934 ms

Loss rate: 0.28%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-20 06:54:33

End at: 2019-02-20 06:55:03

Local clock offset: 0.432 ms

Remote clock offset: -4.54 ms

Below is generated by plot.py at 2019-02-20 07:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.50 Mbit/s

95th percentile per-packet one-way delay: 53.257 ms

Loss rate: 0.01%

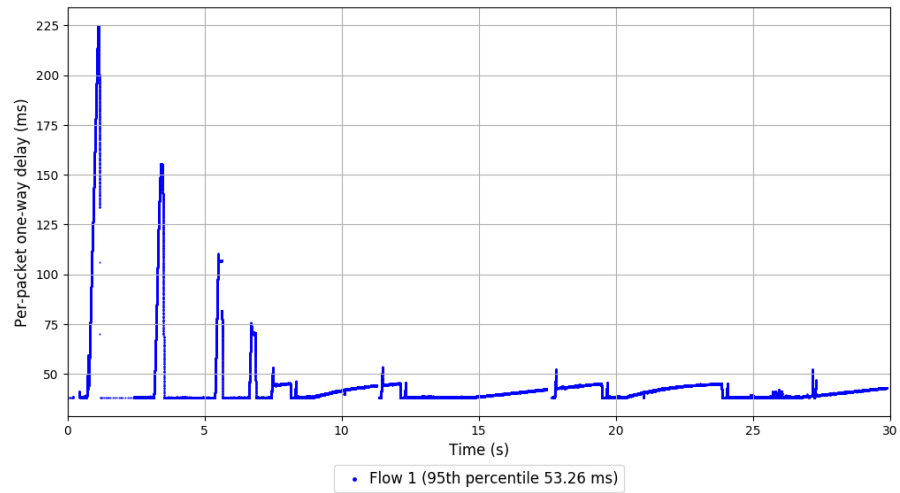
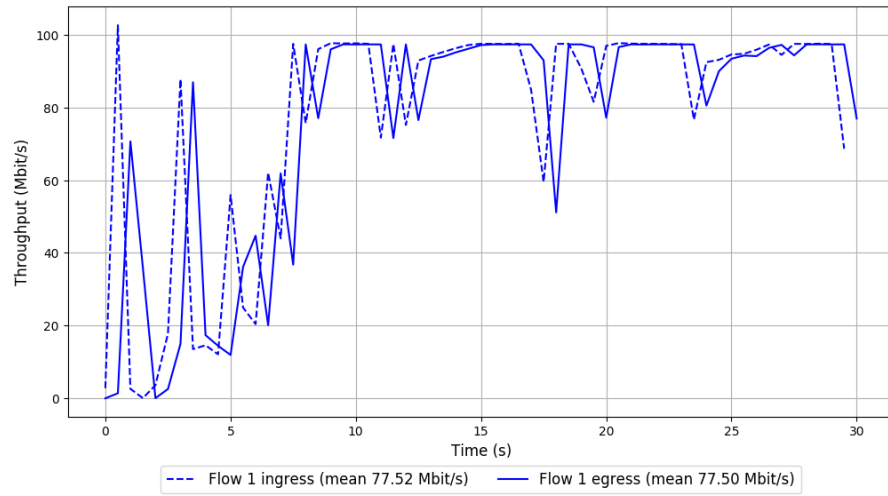
-- Flow 1:

Average throughput: 77.50 Mbit/s

95th percentile per-packet one-way delay: 53.257 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-02-20 05:17:13

End at: 2019-02-20 05:17:43

Local clock offset: -2.908 ms

Remote clock offset: -6.7 ms

Below is generated by plot.py at 2019-02-20 07:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.210 ms

Loss rate: 0.26%

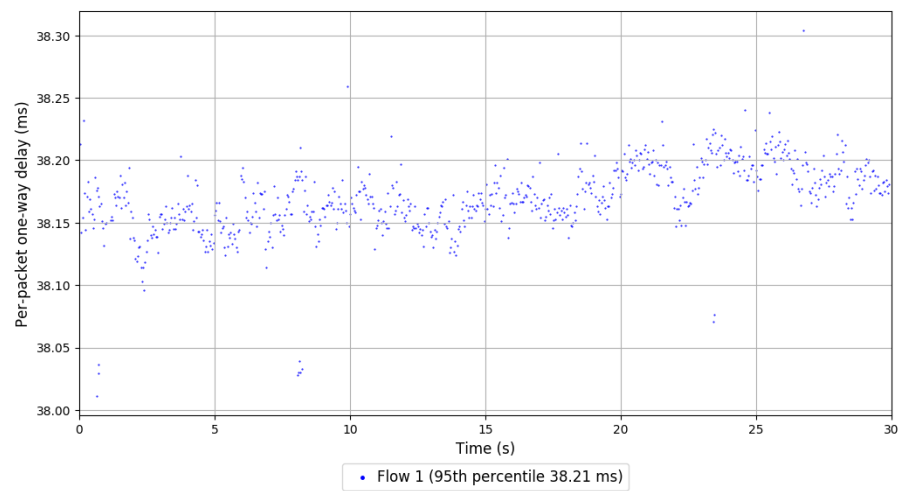
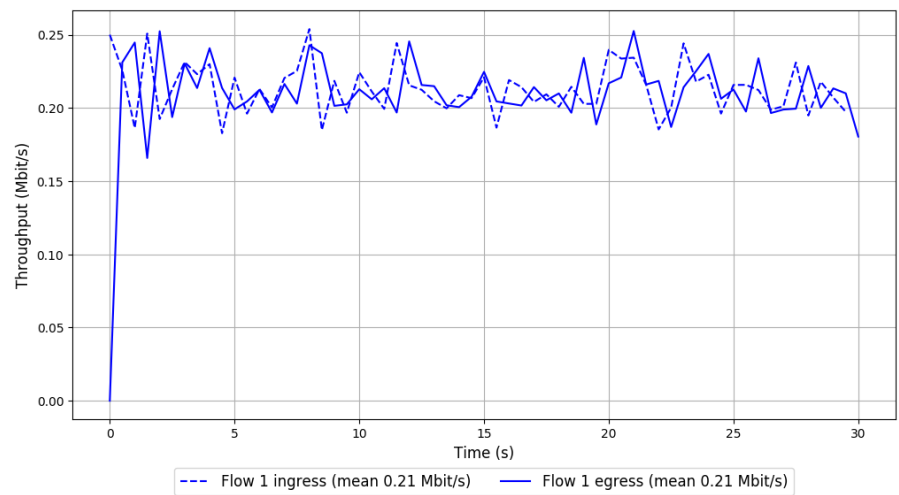
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.210 ms

Loss rate: 0.26%

Run 1: Report of SReAM — Data Link

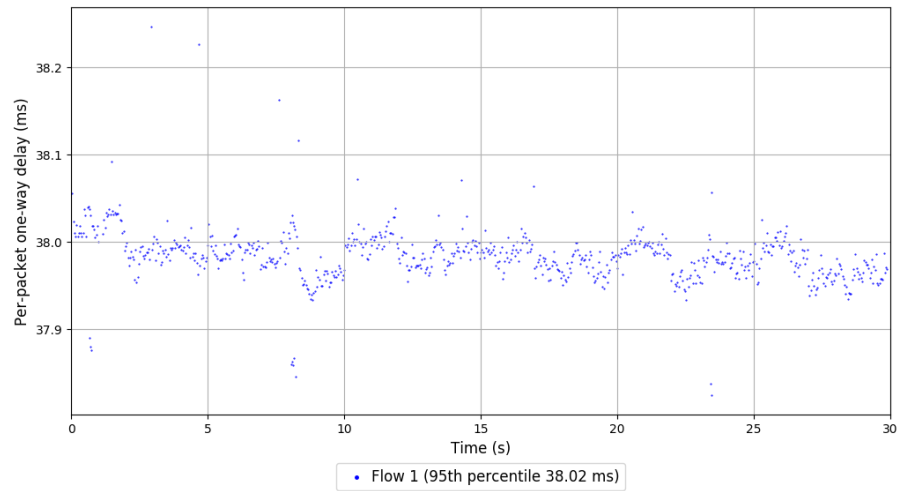
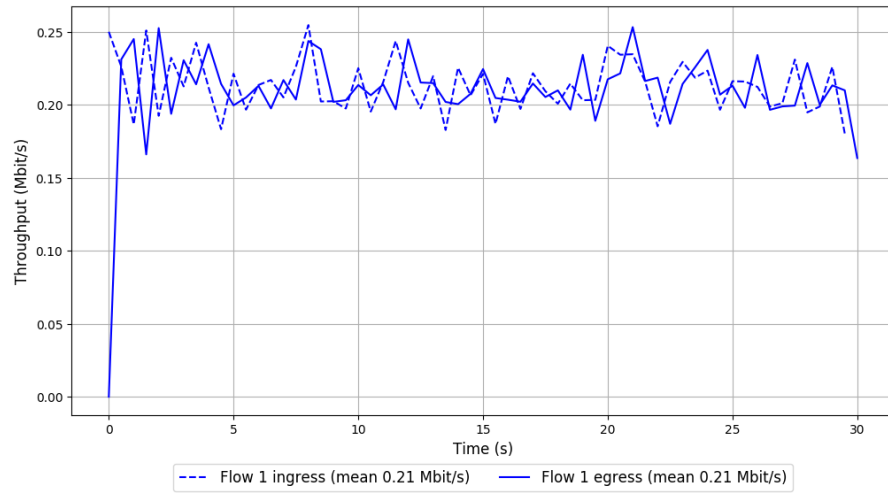


Run 2: Statistics of SReAM

Start at: 2019-02-20 05:43:07
End at: 2019-02-20 05:43:37
Local clock offset: -0.52 ms
Remote clock offset: -5.778 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.025 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.025 ms
Loss rate: 0.26%

Run 2: Report of SReAM — Data Link

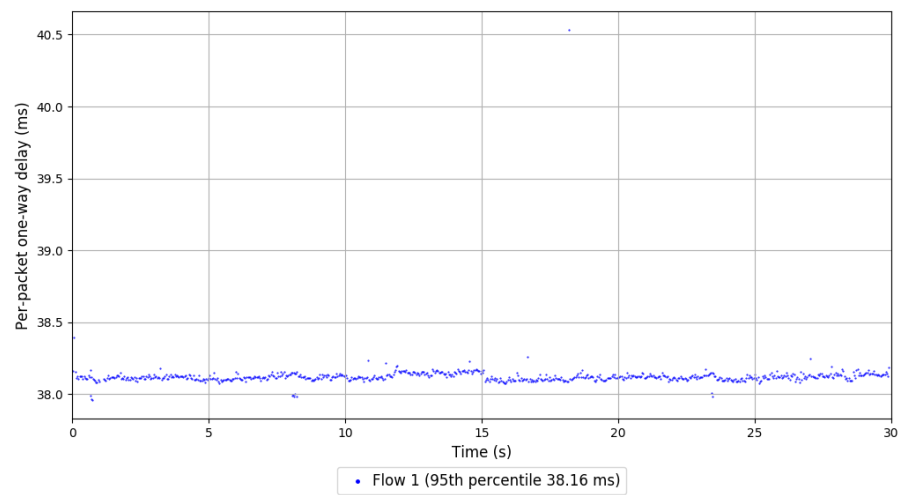
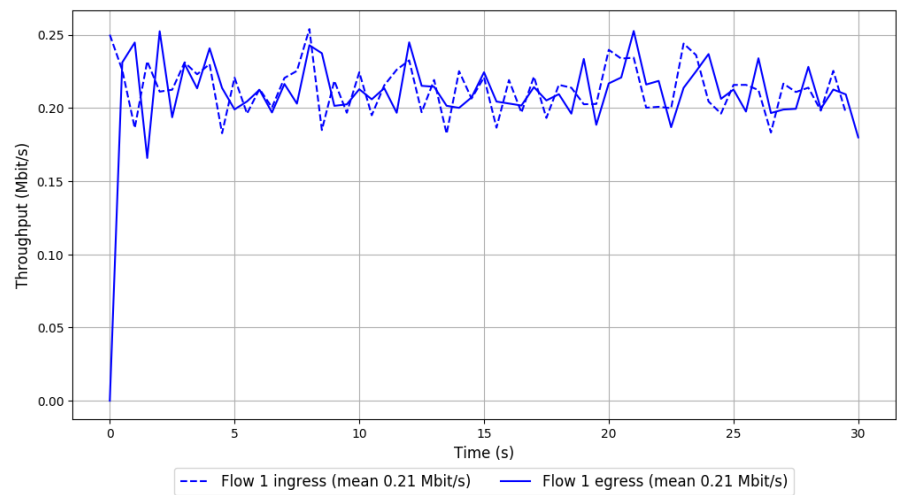


Run 3: Statistics of SCReAM

Start at: 2019-02-20 06:08:53
End at: 2019-02-20 06:09:23
Local clock offset: 0.328 ms
Remote clock offset: -4.972 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.161 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.161 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-20 06:33:52

End at: 2019-02-20 06:34:22

Local clock offset: 0.432 ms

Remote clock offset: -2.59 ms

Below is generated by plot.py at 2019-02-20 07:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 36.138 ms

Loss rate: 0.26%

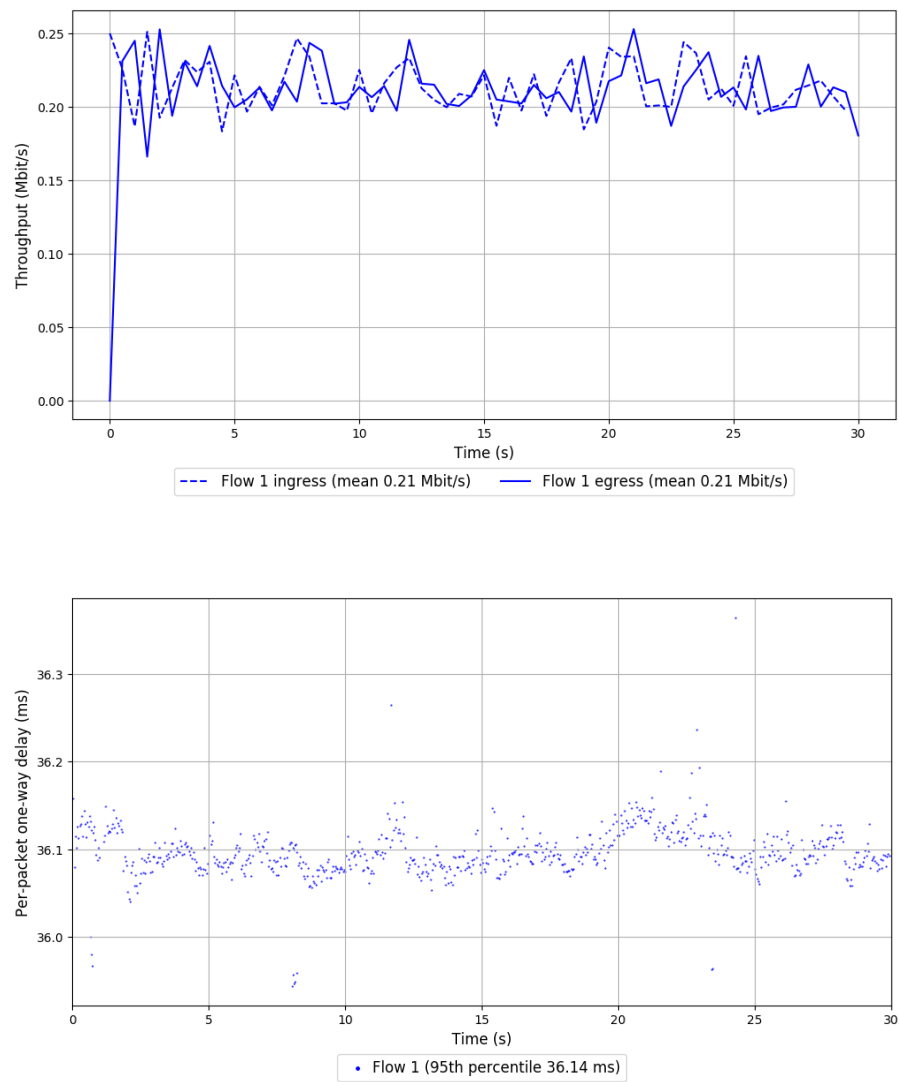
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 36.138 ms

Loss rate: 0.26%

Run 4: Report of SReAM — Data Link

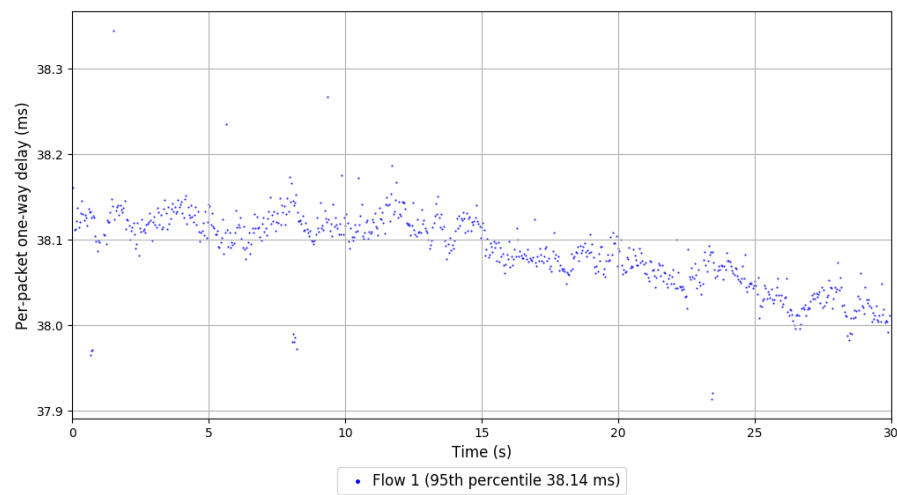
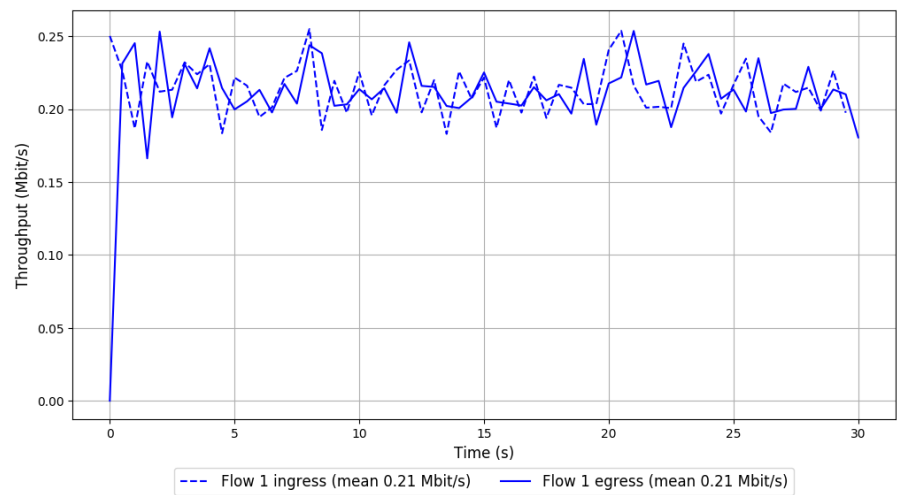


Run 5: Statistics of SCReAM

Start at: 2019-02-20 06:59:20
End at: 2019-02-20 06:59:50
Local clock offset: 0.457 ms
Remote clock offset: -4.539 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.142 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.142 ms
Loss rate: 0.26%

Run 5: Report of SReAM — Data Link

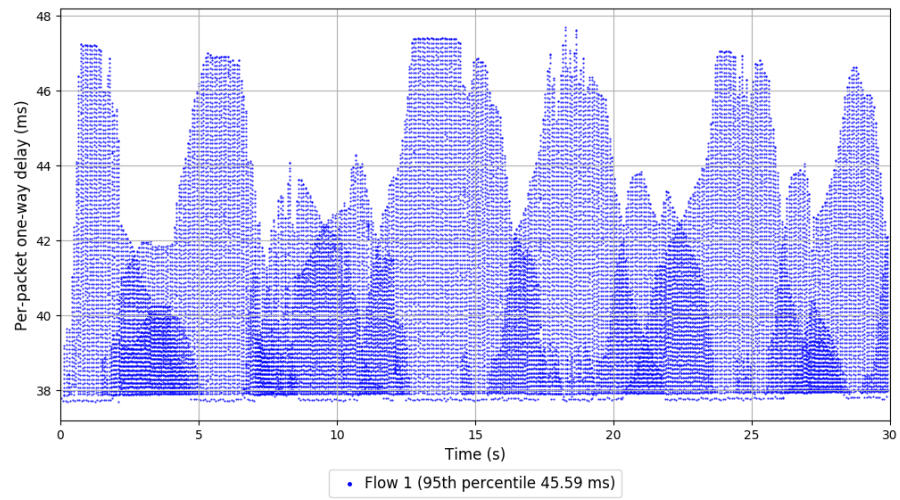
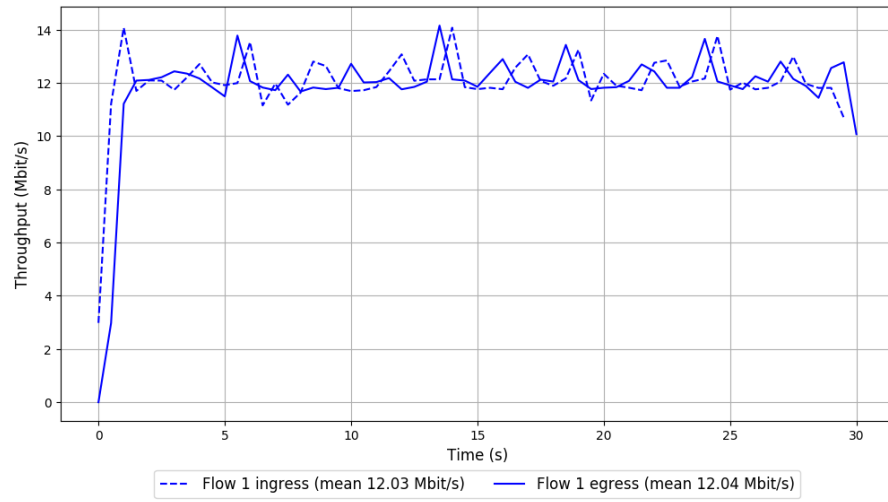


Run 1: Statistics of Sprout

Start at: 2019-02-20 05:19:28
End at: 2019-02-20 05:19:58
Local clock offset: -3.141 ms
Remote clock offset: -6.353 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 0.12%

Run 1: Report of Sprout — Data Link

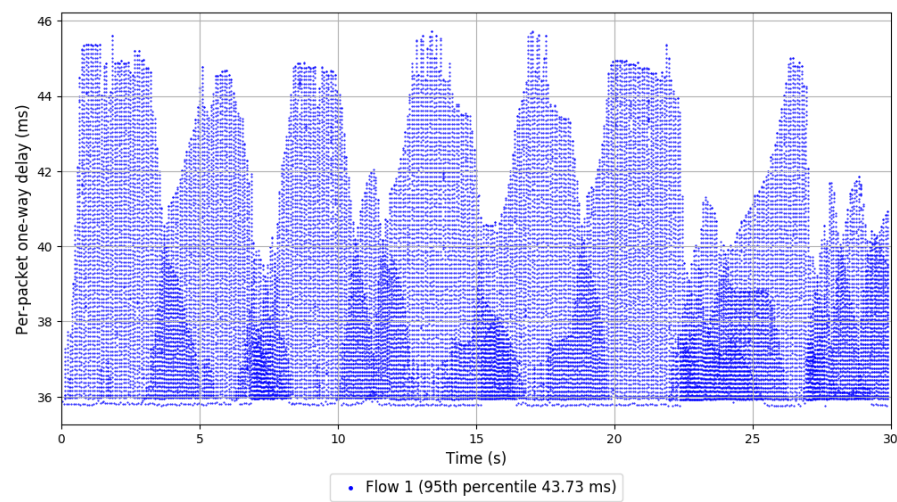
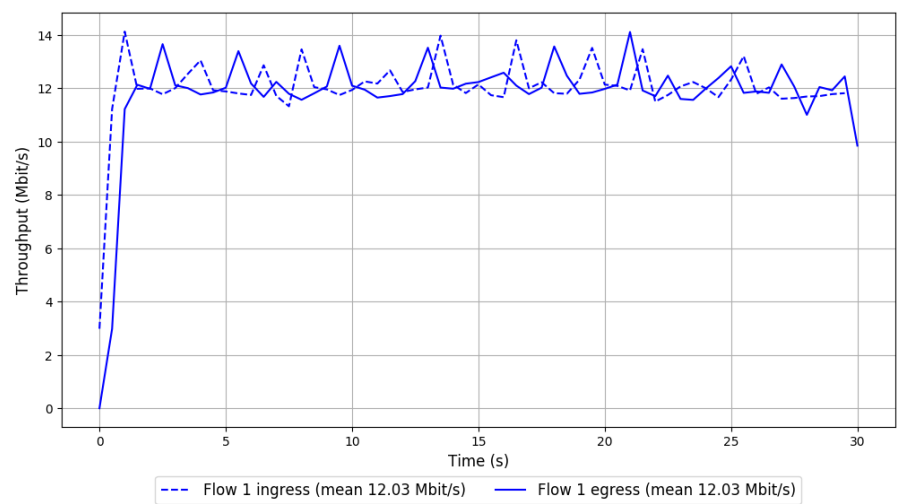


Run 2: Statistics of Sprout

Start at: 2019-02-20 05:45:24
End at: 2019-02-20 05:45:54
Local clock offset: -0.256 ms
Remote clock offset: -3.648 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 43.728 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 43.728 ms
Loss rate: 0.27%

Run 2: Report of Sprout — Data Link

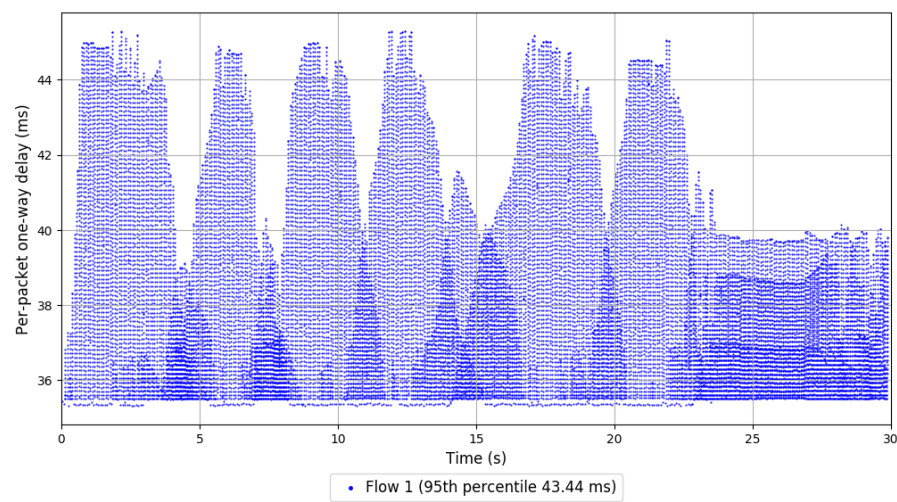
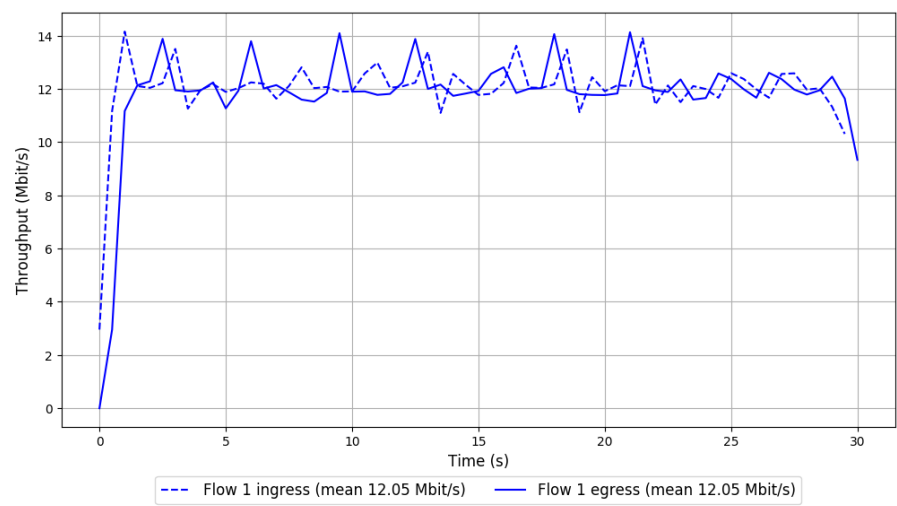


Run 3: Statistics of Sprout

Start at: 2019-02-20 06:11:10
End at: 2019-02-20 06:11:40
Local clock offset: 0.323 ms
Remote clock offset: -2.312 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 43.439 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 43.439 ms
Loss rate: 0.27%

Run 3: Report of Sprout — Data Link

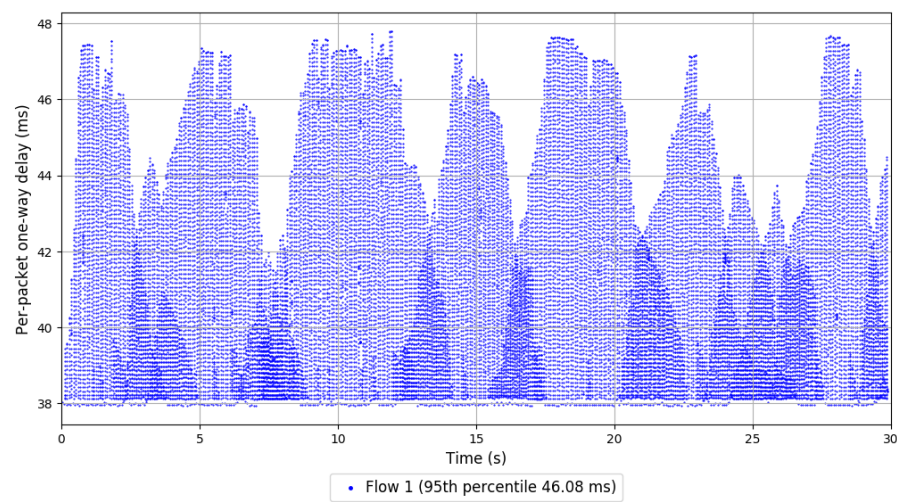
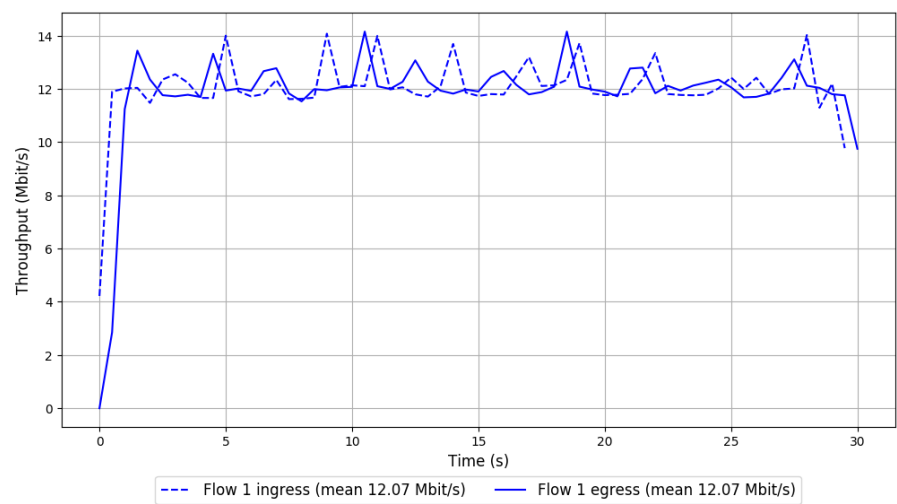


Run 4: Statistics of Sprout

Start at: 2019-02-20 06:36:09
End at: 2019-02-20 06:36:39
Local clock offset: 0.36 ms
Remote clock offset: -4.615 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 0.27%

Run 4: Report of Sprout — Data Link

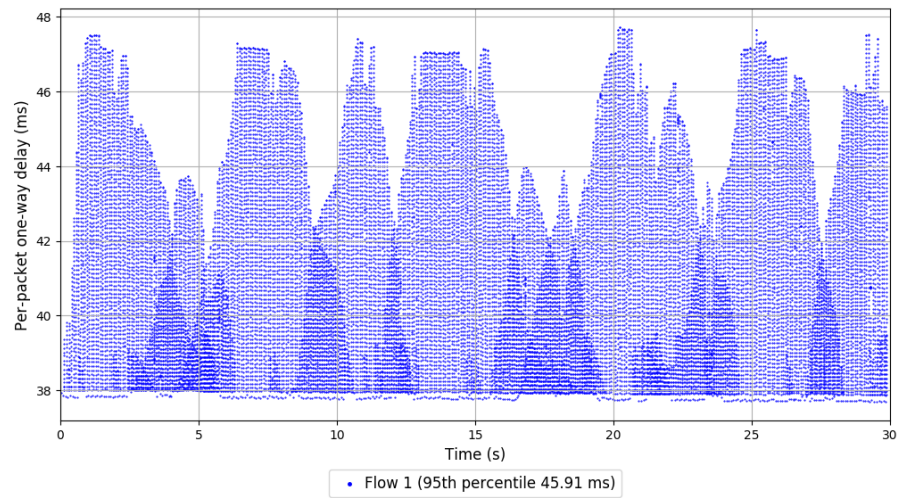
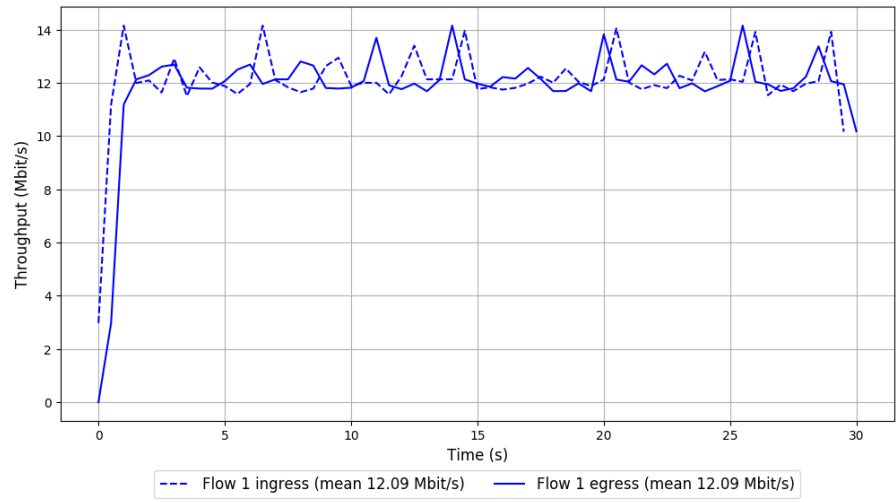


Run 5: Statistics of Sprout

Start at: 2019-02-20 07:01:37
End at: 2019-02-20 07:02:07
Local clock offset: 0.96 ms
Remote clock offset: -4.483 ms

Below is generated by plot.py at 2019-02-20 07:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 45.912 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 45.912 ms
Loss rate: 0.27%

Run 5: Report of Sprout — Data Link

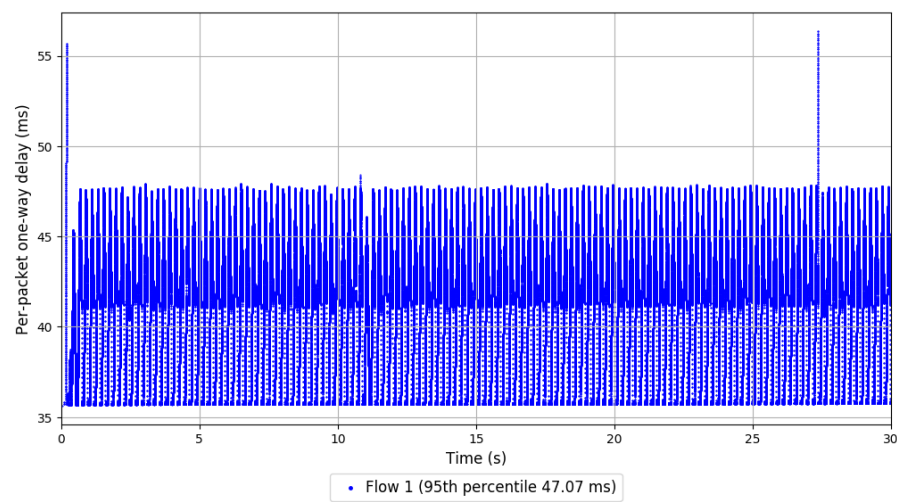
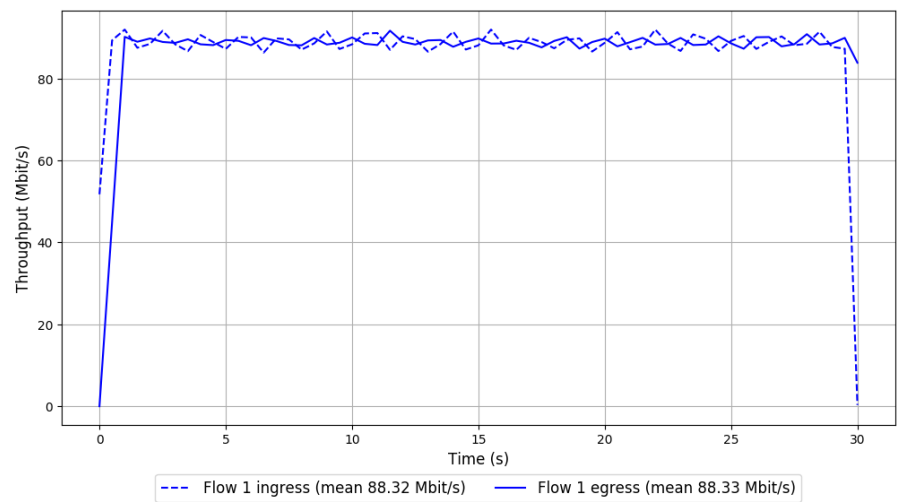


Run 1: Statistics of TaoVA-100x

Start at: 2019-02-20 05:11:02
End at: 2019-02-20 05:11:32
Local clock offset: -2.233 ms
Remote clock offset: -4.255 ms

Below is generated by plot.py at 2019-02-20 07:25:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 47.073 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 47.073 ms
Loss rate: 0.20%

Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-20 05:36:58

End at: 2019-02-20 05:37:28

Local clock offset: -1.501 ms

Remote clock offset: -3.7 ms

Below is generated by plot.py at 2019-02-20 07:25:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 46.880 ms

Loss rate: 0.23%

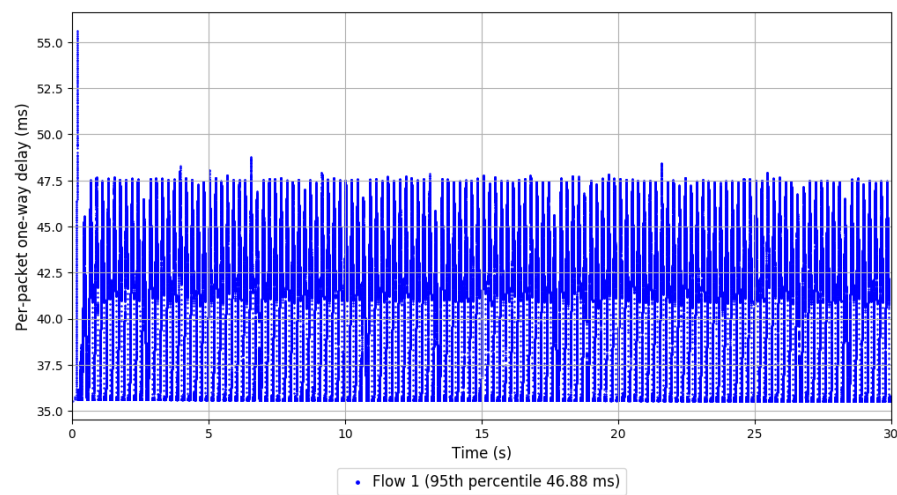
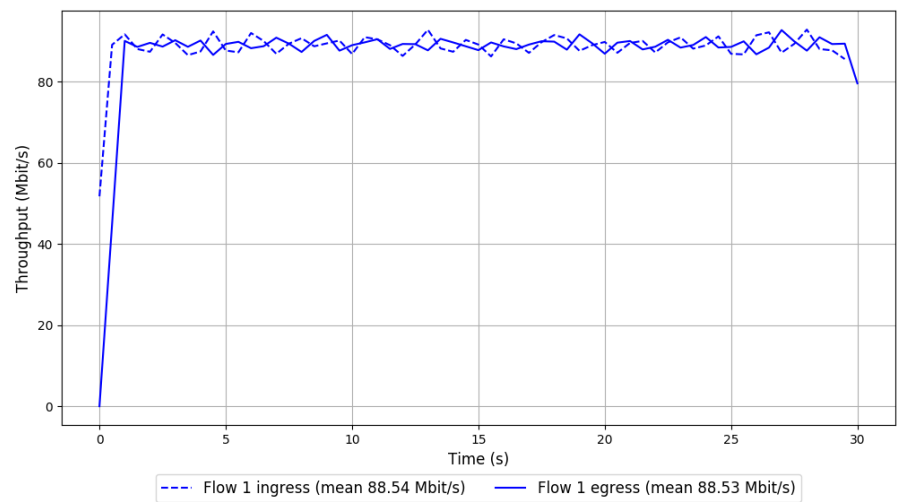
-- Flow 1:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 46.880 ms

Loss rate: 0.23%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-20 06:02:53

End at: 2019-02-20 06:03:23

Local clock offset: 0.433 ms

Remote clock offset: -5.115 ms

Below is generated by plot.py at 2019-02-20 07:26:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 49.329 ms

Loss rate: 0.27%

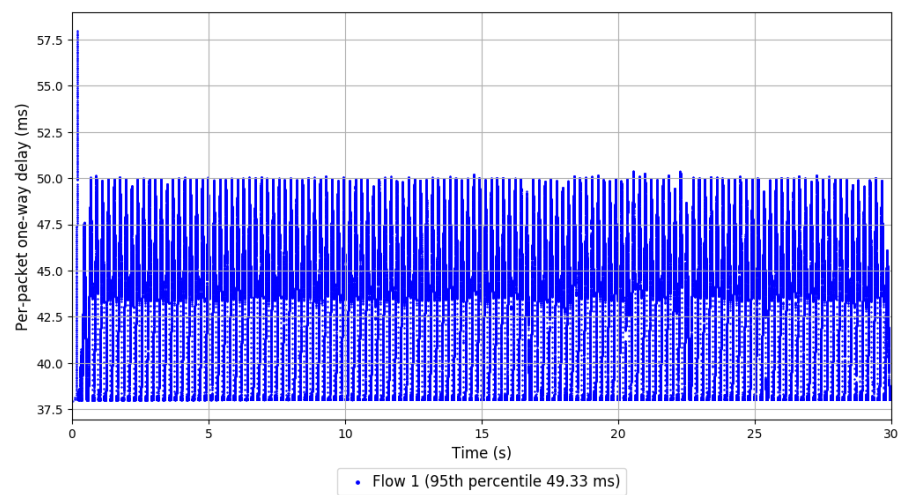
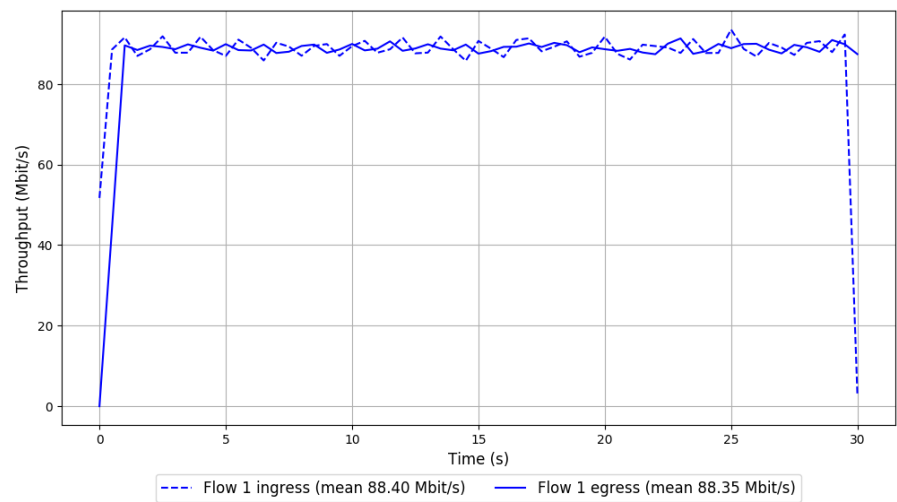
-- Flow 1:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 49.329 ms

Loss rate: 0.27%

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-20 06:27:54

End at: 2019-02-20 06:28:24

Local clock offset: 0.465 ms

Remote clock offset: -2.389 ms

Below is generated by plot.py at 2019-02-20 07:26:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 47.044 ms

Loss rate: 0.25%

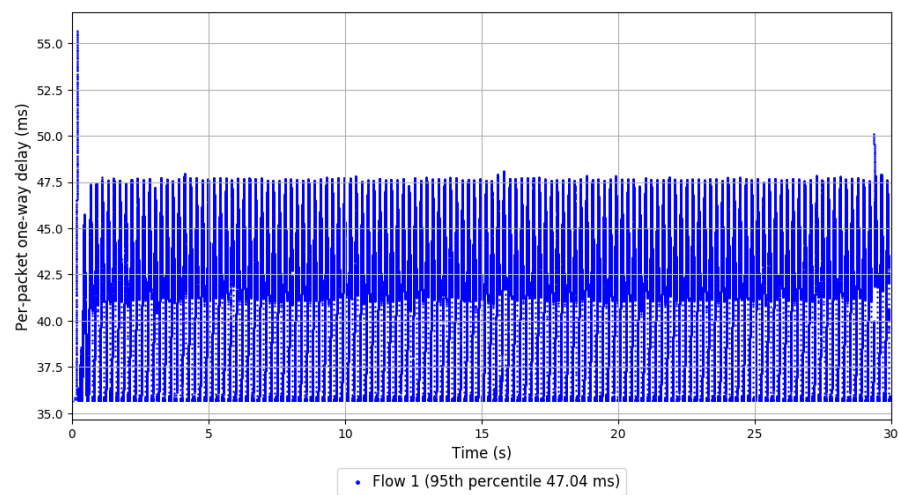
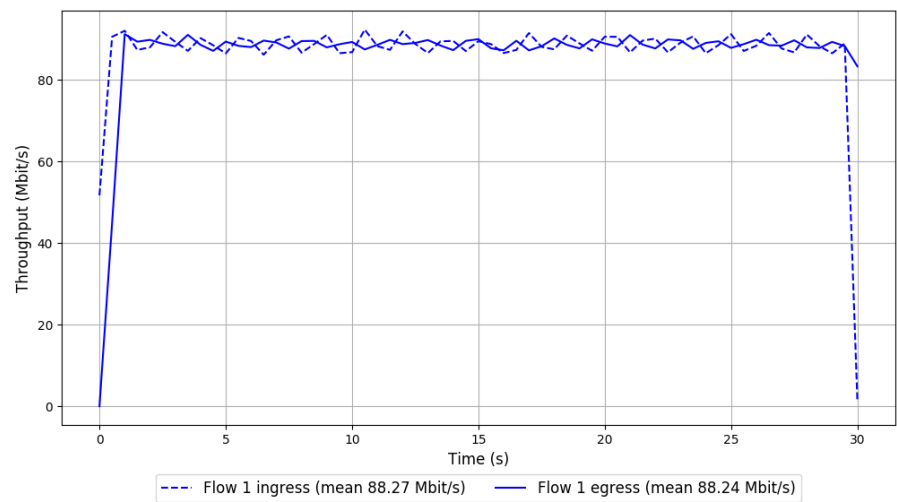
-- Flow 1:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 47.044 ms

Loss rate: 0.25%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-20 06:53:17

End at: 2019-02-20 06:53:47

Local clock offset: 0.418 ms

Remote clock offset: -2.516 ms

Below is generated by plot.py at 2019-02-20 07:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 47.437 ms

Loss rate: 0.24%

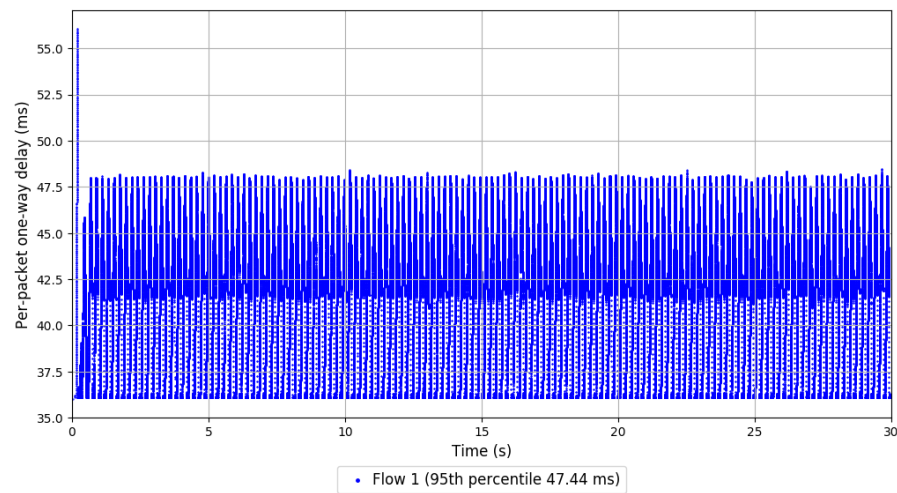
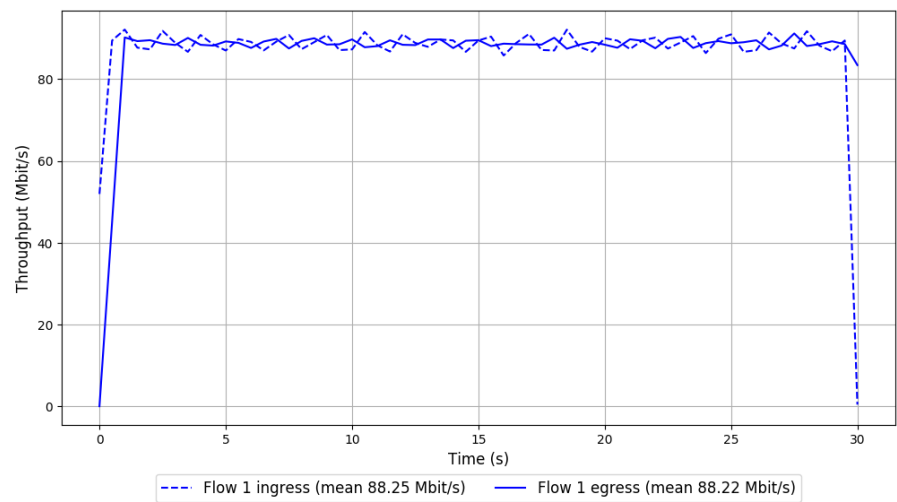
-- Flow 1:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 47.437 ms

Loss rate: 0.24%

Run 5: Report of TaoVA-100x — Data Link

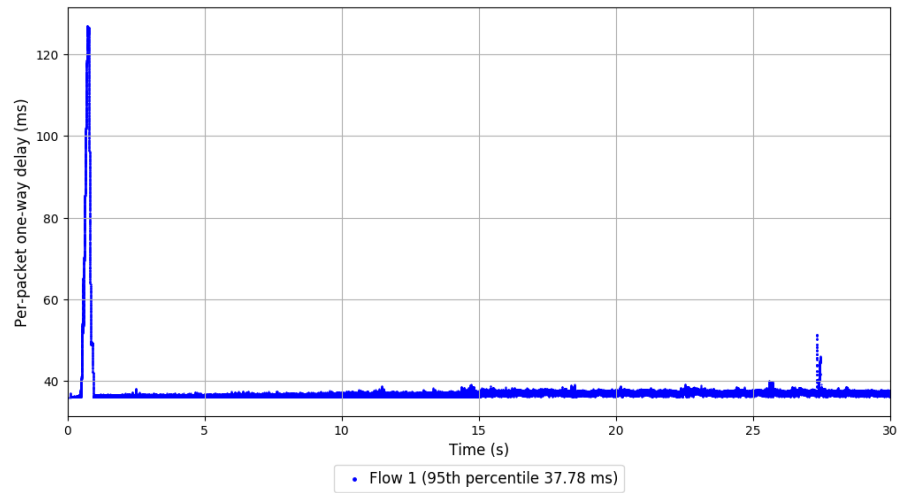
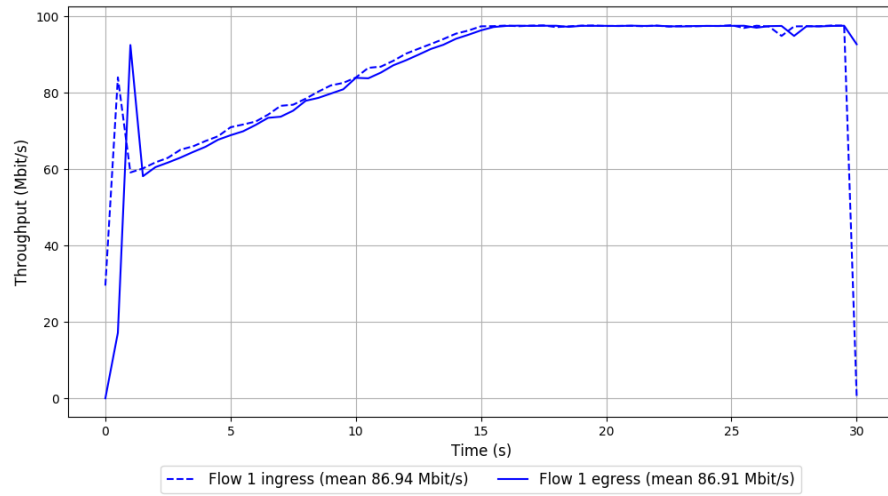


Run 1: Statistics of TCP Vegas

Start at: 2019-02-20 05:21:45
End at: 2019-02-20 05:22:15
Local clock offset: -3.298 ms
Remote clock offset: -4.508 ms

Below is generated by plot.py at 2019-02-20 07:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 37.776 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 37.776 ms
Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link

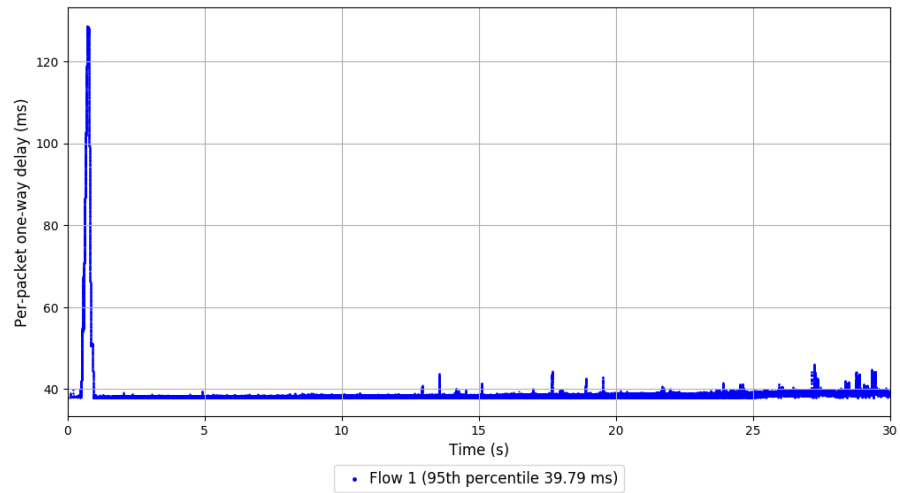
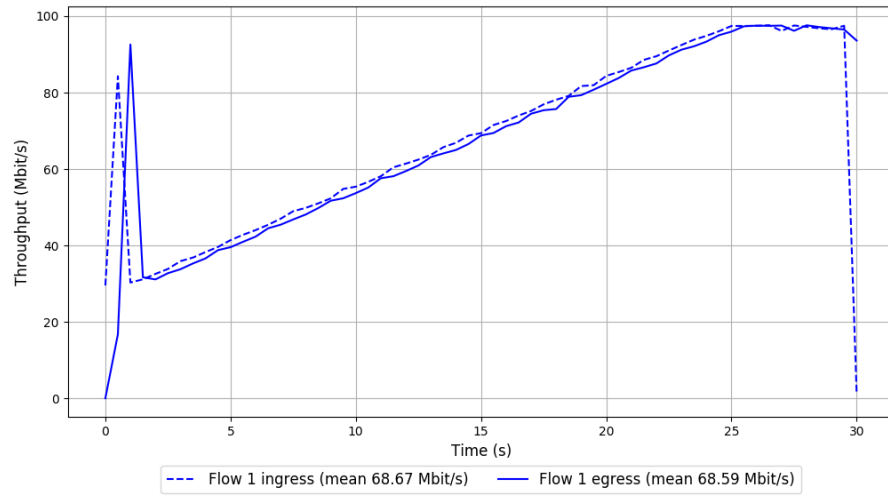


Run 2: Statistics of TCP Vegas

Start at: 2019-02-20 05:47:43
End at: 2019-02-20 05:48:13
Local clock offset: -0.056 ms
Remote clock offset: -5.648 ms

Below is generated by plot.py at 2019-02-20 07:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 39.792 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 39.792 ms
Loss rate: 0.32%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-02-20 06:13:28

End at: 2019-02-20 06:13:58

Local clock offset: 0.29 ms

Remote clock offset: -2.39 ms

Below is generated by plot.py at 2019-02-20 07:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.97 Mbit/s

95th percentile per-packet one-way delay: 36.938 ms

Loss rate: 0.30%

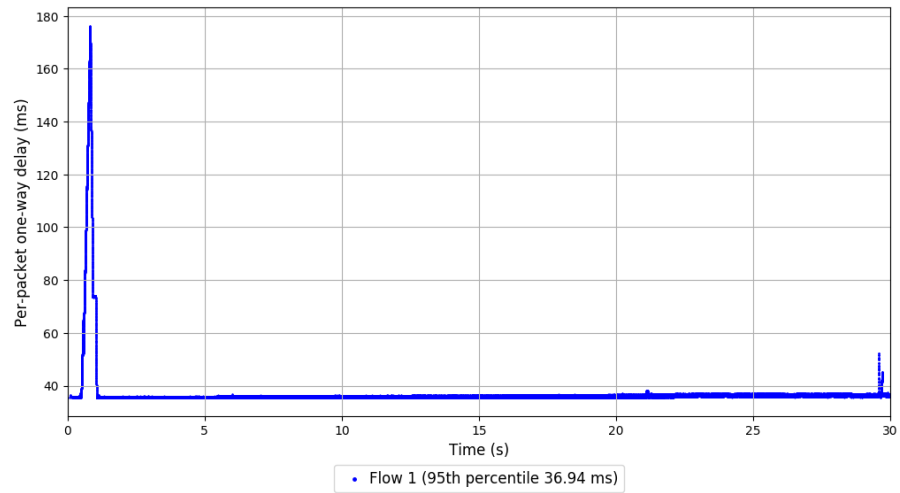
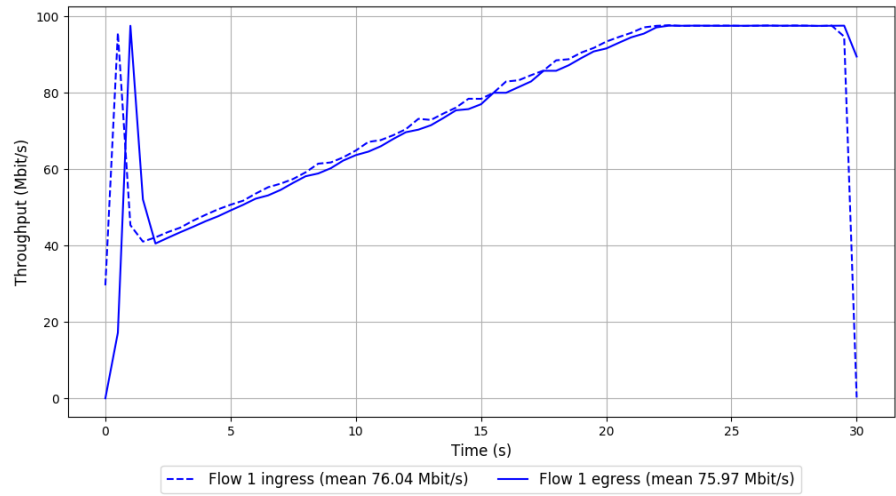
-- Flow 1:

Average throughput: 75.97 Mbit/s

95th percentile per-packet one-way delay: 36.938 ms

Loss rate: 0.30%

Run 3: Report of TCP Vegas — Data Link

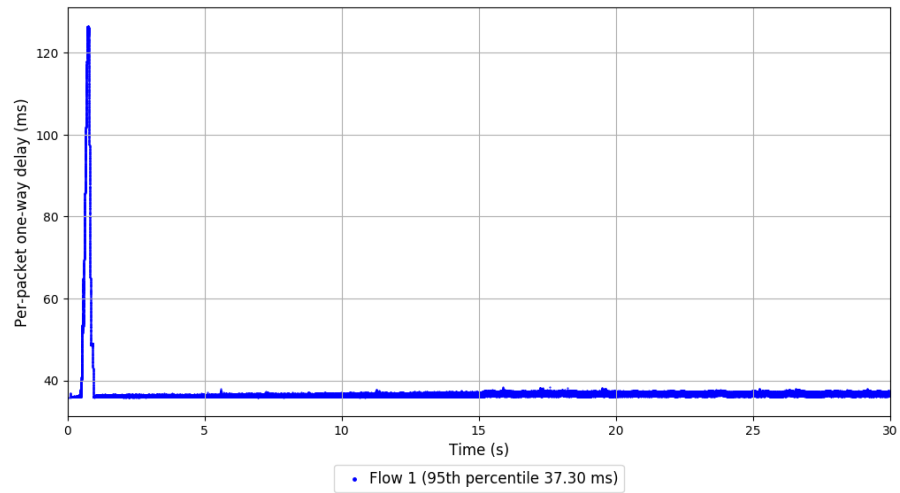
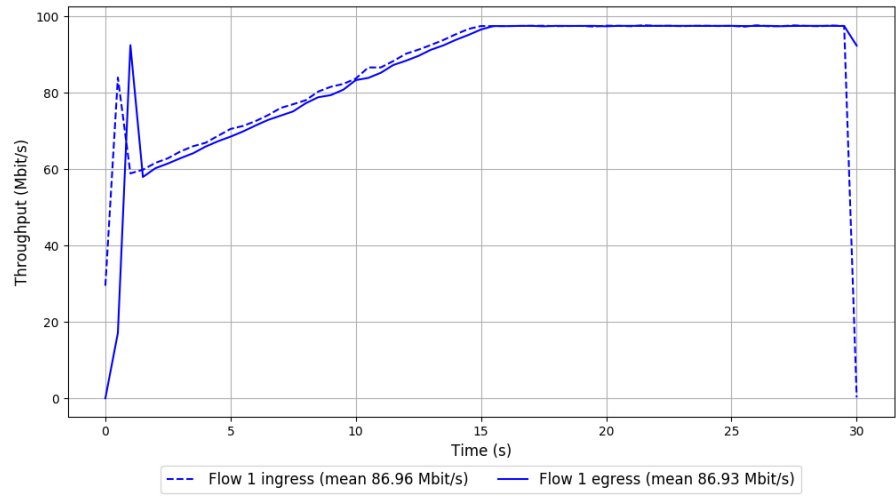


Run 4: Statistics of TCP Vegas

Start at: 2019-02-20 06:38:27
End at: 2019-02-20 06:38:57
Local clock offset: 0.367 ms
Remote clock offset: -2.393 ms

Below is generated by plot.py at 2019-02-20 07:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.25%

Run 4: Report of TCP Vegas — Data Link

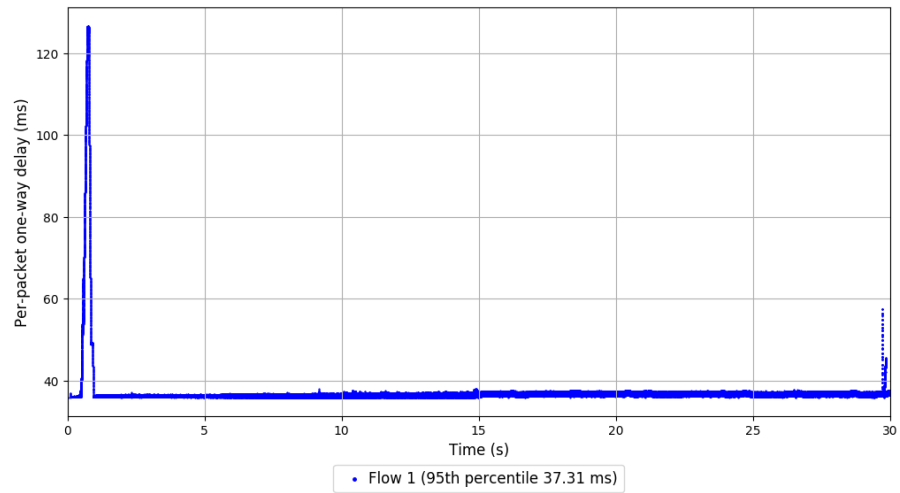
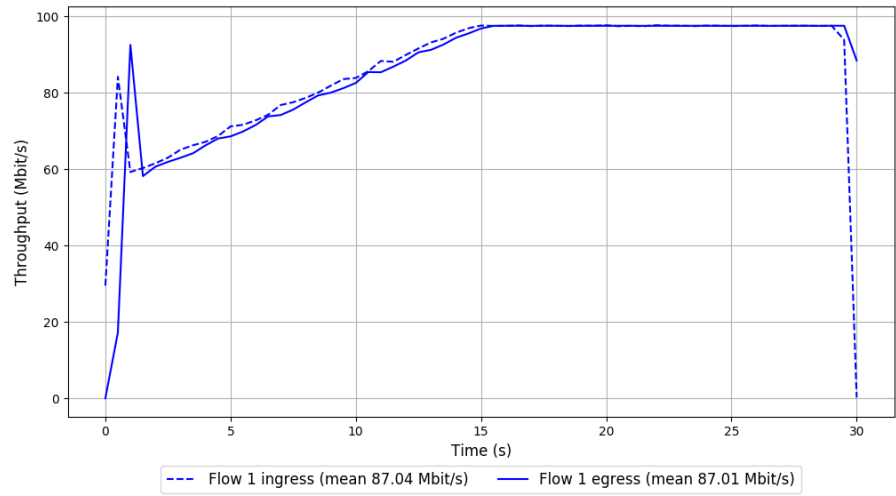


Run 5: Statistics of TCP Vegas

Start at: 2019-02-20 07:04:00
End at: 2019-02-20 07:04:30
Local clock offset: 1.555 ms
Remote clock offset: -2.463 ms

Below is generated by plot.py at 2019-02-20 07:26:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 37.312 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 37.312 ms
Loss rate: 0.25%

Run 5: Report of TCP Vegas — Data Link

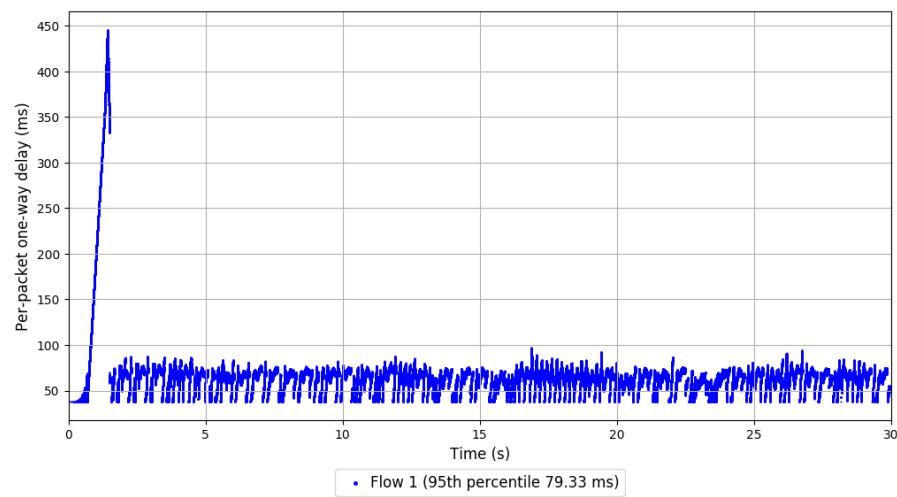
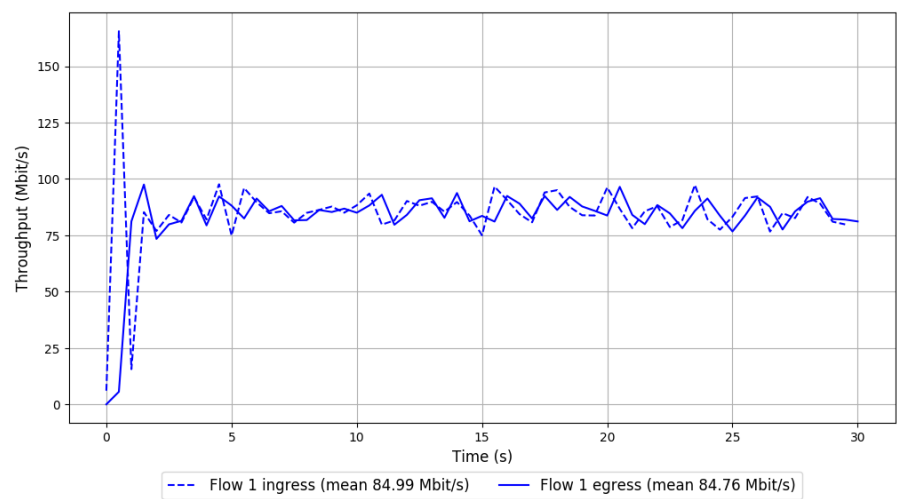


Run 1: Statistics of Verus

Start at: 2019-02-20 05:16:01
End at: 2019-02-20 05:16:31
Local clock offset: -2.802 ms
Remote clock offset: -6.462 ms

Below is generated by plot.py at 2019-02-20 07:26:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 79.328 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 79.328 ms
Loss rate: 0.37%

Run 1: Report of Verus — Data Link

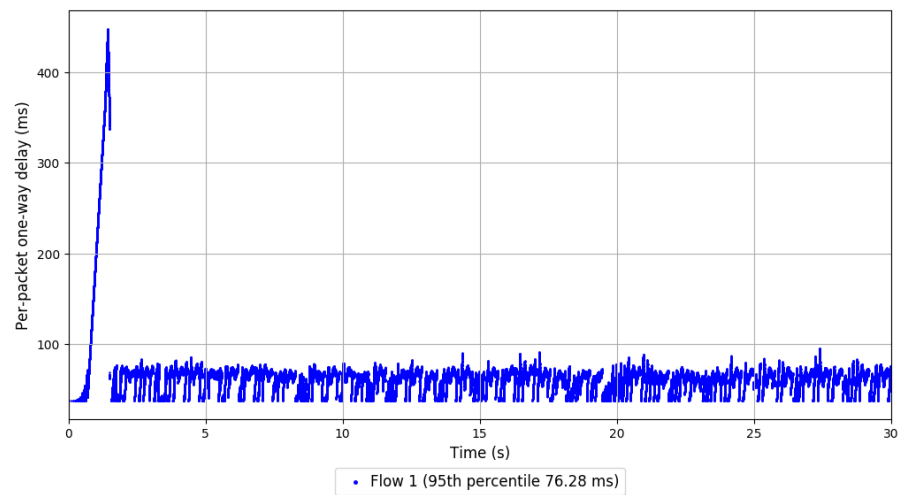
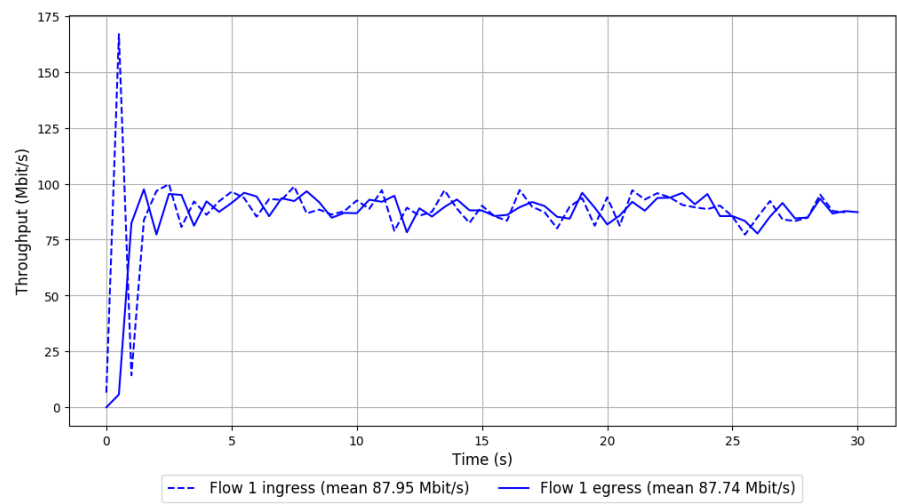


Run 2: Statistics of Verus

Start at: 2019-02-20 05:41:52
End at: 2019-02-20 05:42:22
Local clock offset: -0.652 ms
Remote clock offset: -5.625 ms

Below is generated by plot.py at 2019-02-20 07:26:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 76.283 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 76.283 ms
Loss rate: 0.34%

Run 2: Report of Verus — Data Link

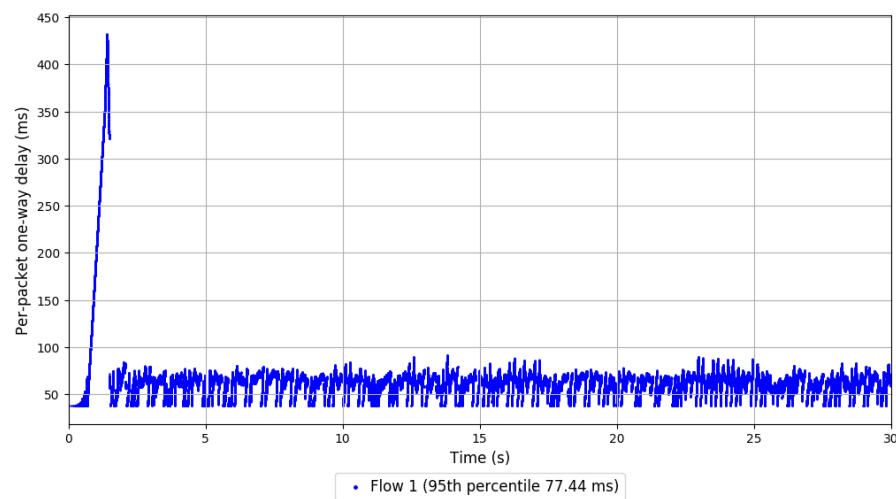
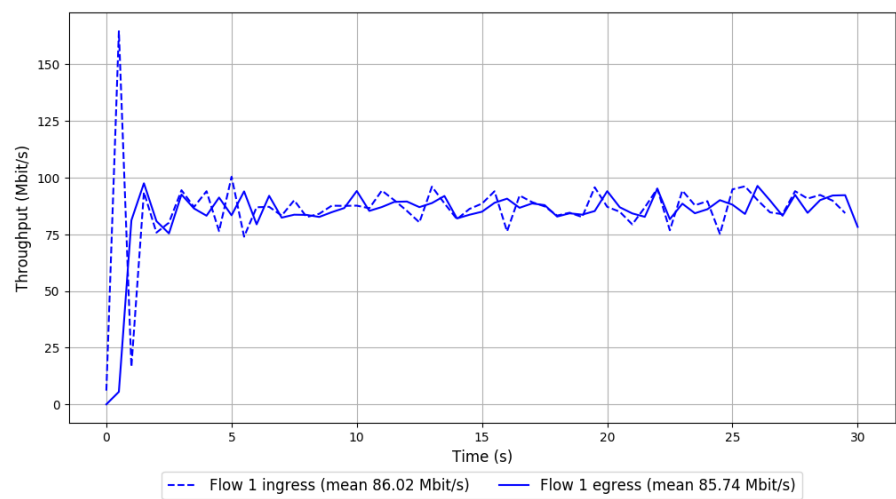


Run 3: Statistics of Verus

Start at: 2019-02-20 06:07:41
End at: 2019-02-20 06:08:11
Local clock offset: 0.349 ms
Remote clock offset: -4.765 ms

Below is generated by plot.py at 2019-02-20 07:26:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 77.438 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 77.438 ms
Loss rate: 0.53%

Run 3: Report of Verus — Data Link

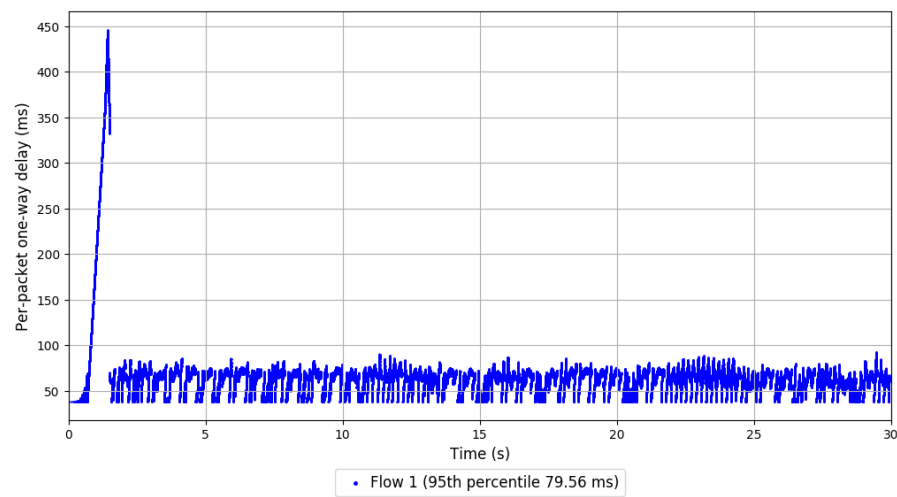
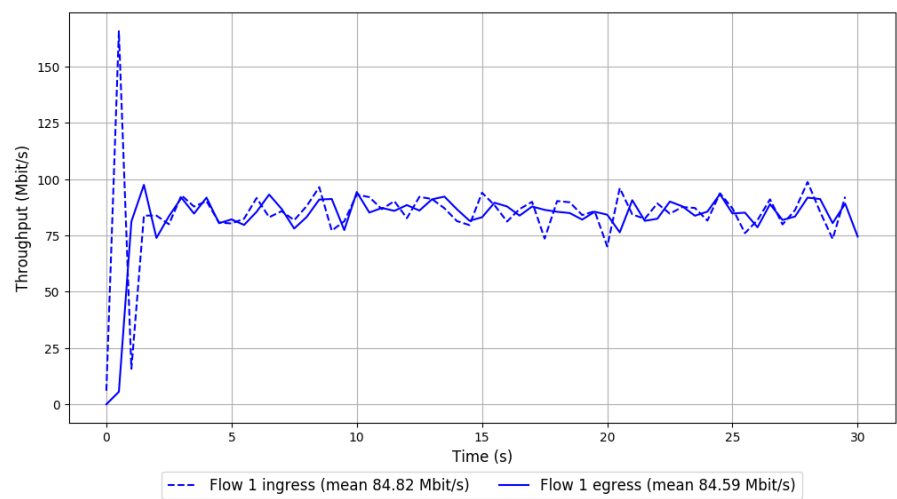


Run 4: Statistics of Verus

Start at: 2019-02-20 06:32:39
End at: 2019-02-20 06:33:09
Local clock offset: 0.464 ms
Remote clock offset: -4.685 ms

Below is generated by plot.py at 2019-02-20 07:26:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 79.555 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 79.555 ms
Loss rate: 0.48%

Run 4: Report of Verus — Data Link

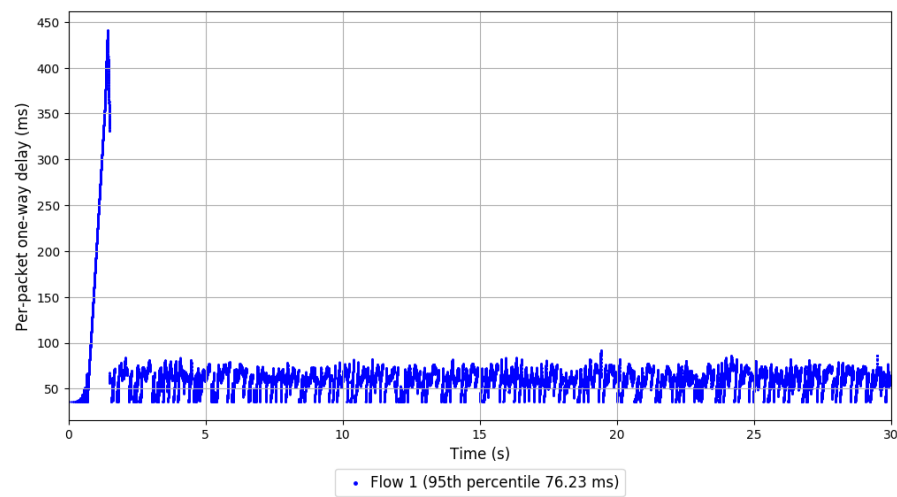
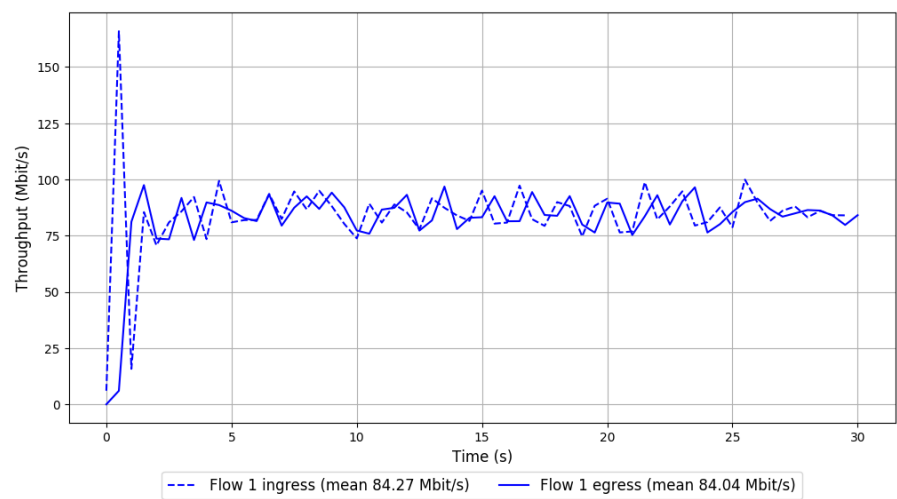


Run 5: Statistics of Verus

Start at: 2019-02-20 06:58:06
End at: 2019-02-20 06:58:36
Local clock offset: 0.438 ms
Remote clock offset: -2.183 ms

Below is generated by plot.py at 2019-02-20 07:27:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 76.233 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 76.233 ms
Loss rate: 0.50%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-20 05:06:53

End at: 2019-02-20 05:07:23

Local clock offset: -1.57 ms

Remote clock offset: -6.456 ms

Below is generated by plot.py at 2019-02-20 07:27:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 41.147 ms

Loss rate: 0.25%

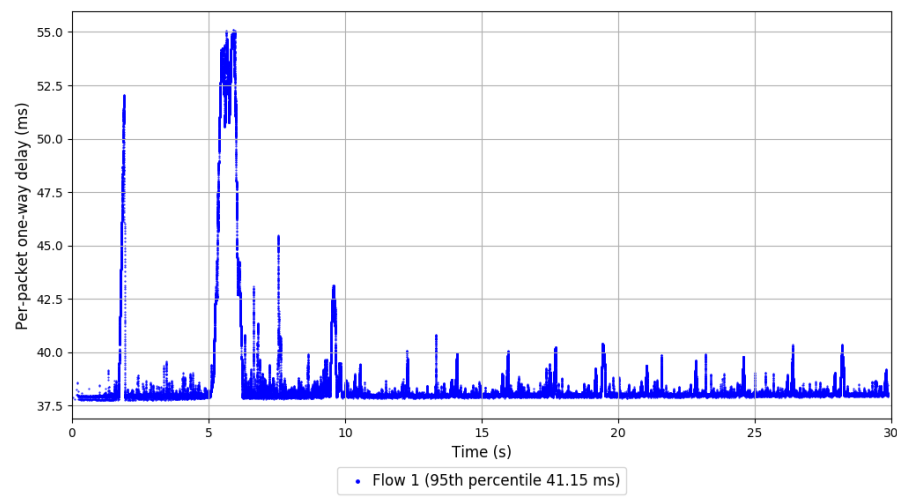
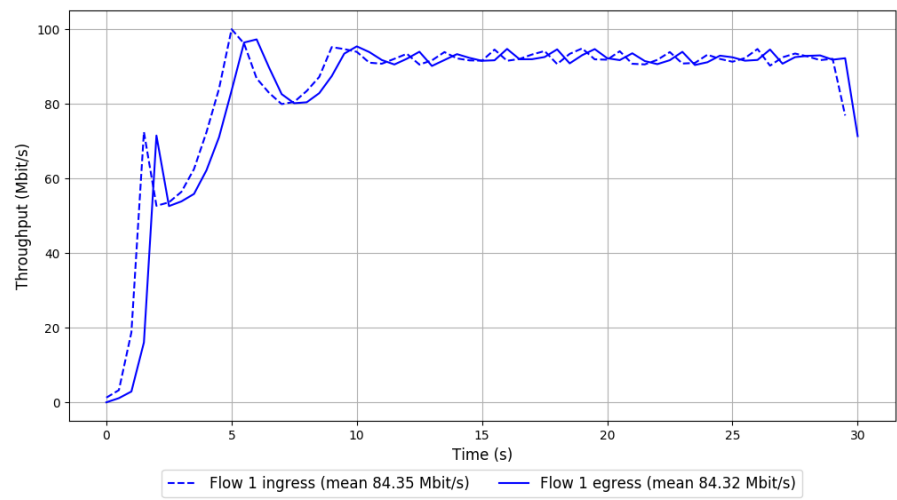
-- Flow 1:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 41.147 ms

Loss rate: 0.25%

Run 1: Report of PCC-Vivace — Data Link

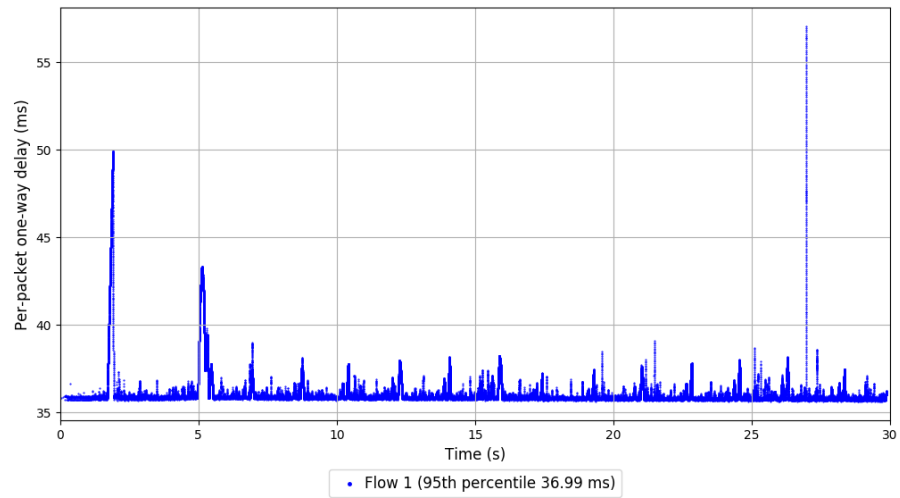
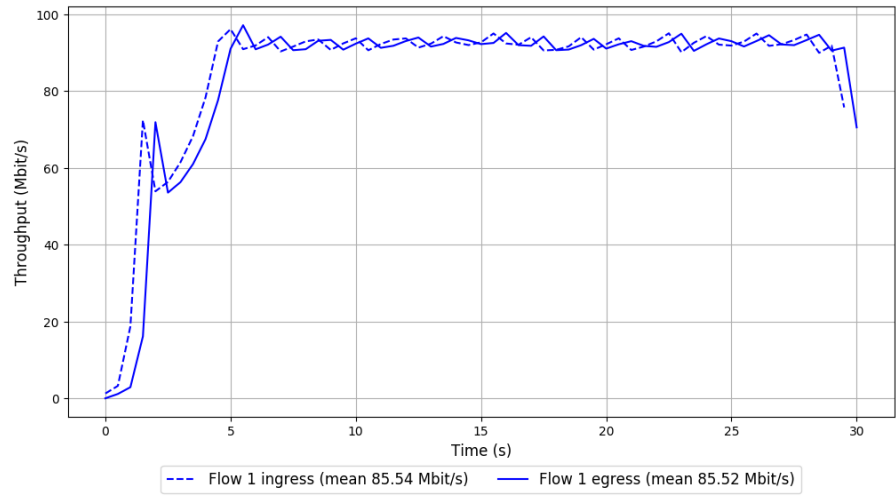


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-20 05:33:01
End at: 2019-02-20 05:33:31
Local clock offset: -2.543 ms
Remote clock offset: -4.141 ms

Below is generated by plot.py at 2019-02-20 07:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 36.993 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 36.993 ms
Loss rate: 0.23%

Run 2: Report of PCC-Vivace — Data Link

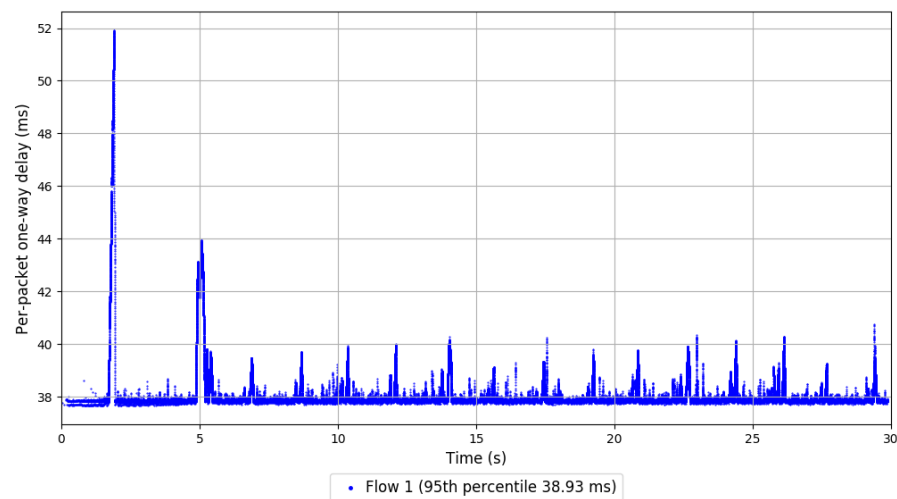
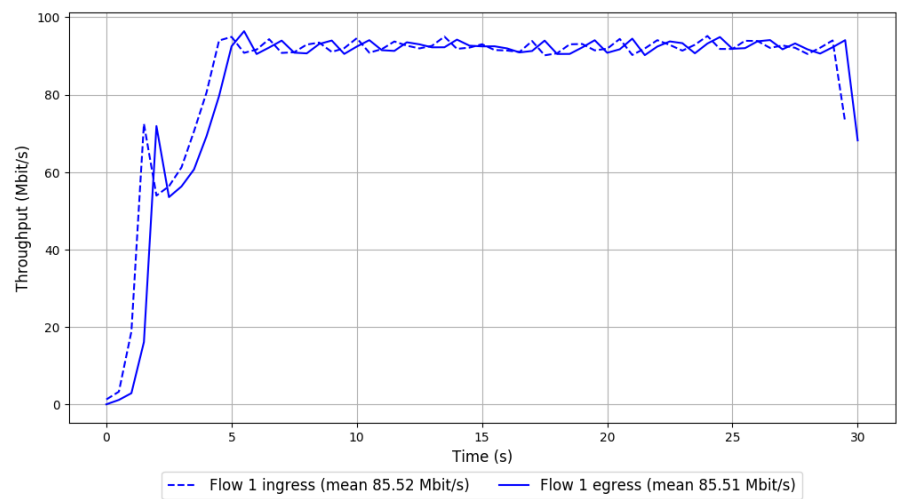


Run 3: Statistics of PCC-Vivace

Start at: 2019-02-20 05:58:51
End at: 2019-02-20 05:59:21
Local clock offset: 0.486 ms
Remote clock offset: -5.058 ms

Below is generated by plot.py at 2019-02-20 07:27:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 38.931 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 38.931 ms
Loss rate: 0.23%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-20 06:24:17

End at: 2019-02-20 06:24:47

Local clock offset: 0.403 ms

Remote clock offset: -4.84 ms

Below is generated by plot.py at 2019-02-20 07:27:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.02 Mbit/s

95th percentile per-packet one-way delay: 40.052 ms

Loss rate: 0.24%

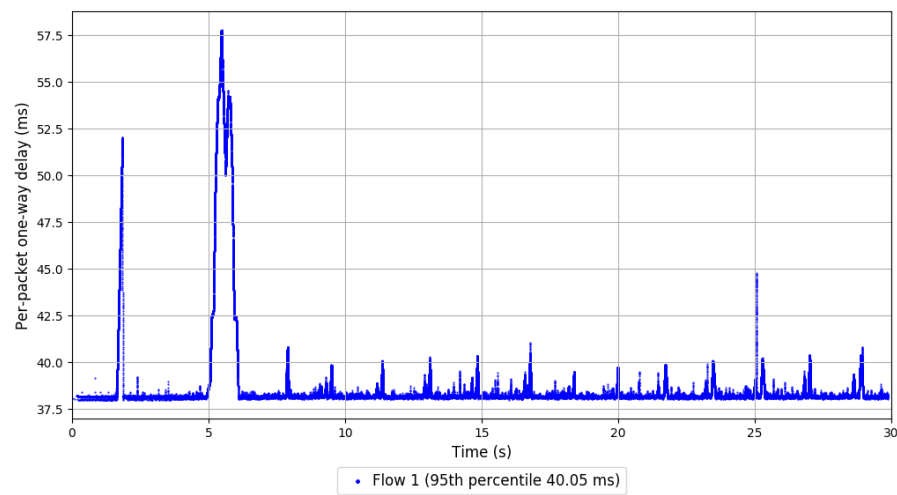
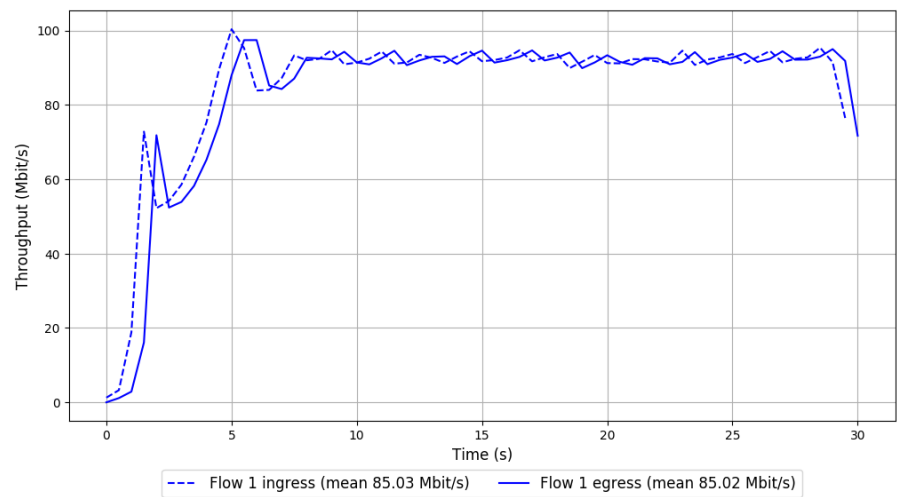
-- Flow 1:

Average throughput: 85.02 Mbit/s

95th percentile per-packet one-way delay: 40.052 ms

Loss rate: 0.24%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-20 06:49:24

End at: 2019-02-20 06:49:54

Local clock offset: 0.411 ms

Remote clock offset: -2.239 ms

Below is generated by plot.py at 2019-02-20 07:27:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.23 Mbit/s

95th percentile per-packet one-way delay: 38.003 ms

Loss rate: 0.24%

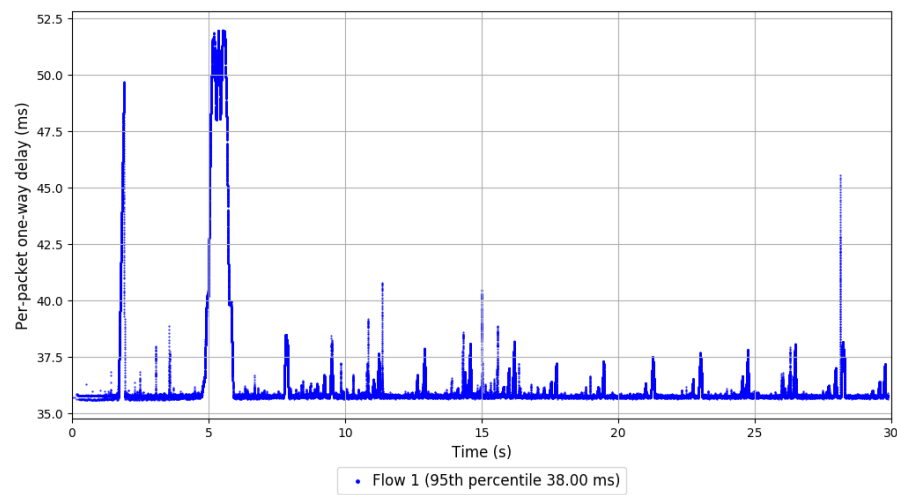
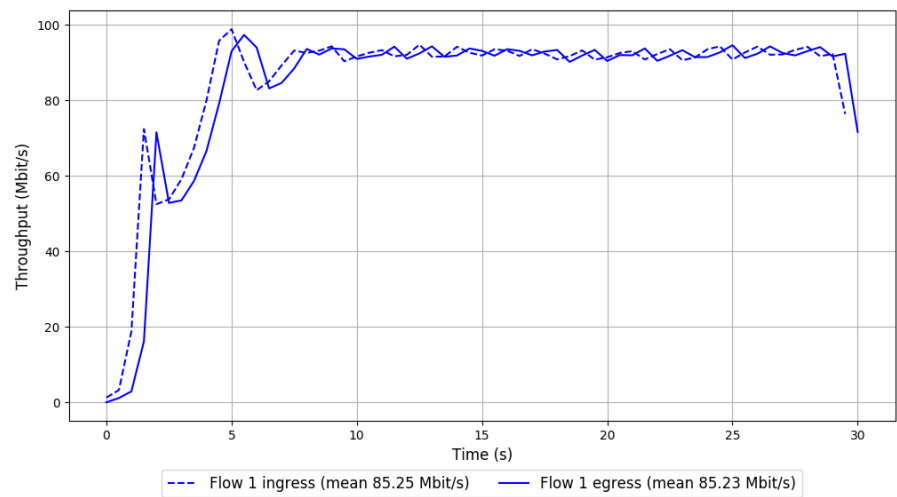
-- Flow 1:

Average throughput: 85.23 Mbit/s

95th percentile per-packet one-way delay: 38.003 ms

Loss rate: 0.24%

Run 5: Report of PCC-Vivace — Data Link

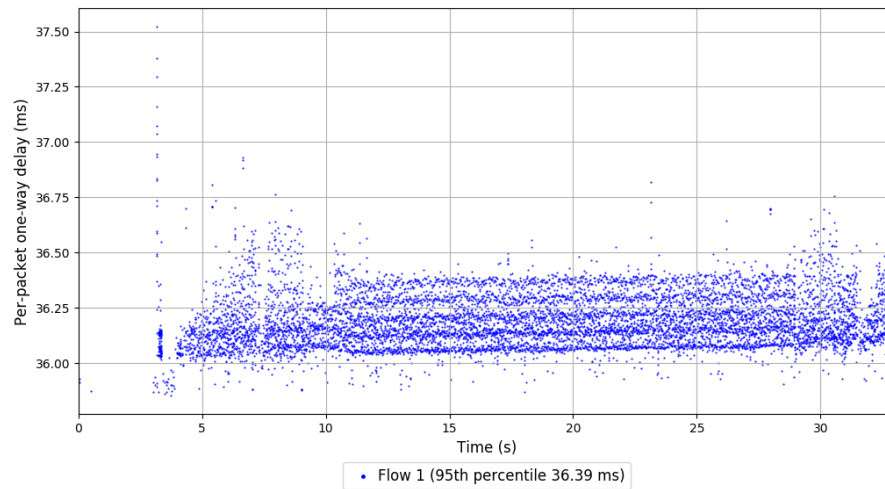
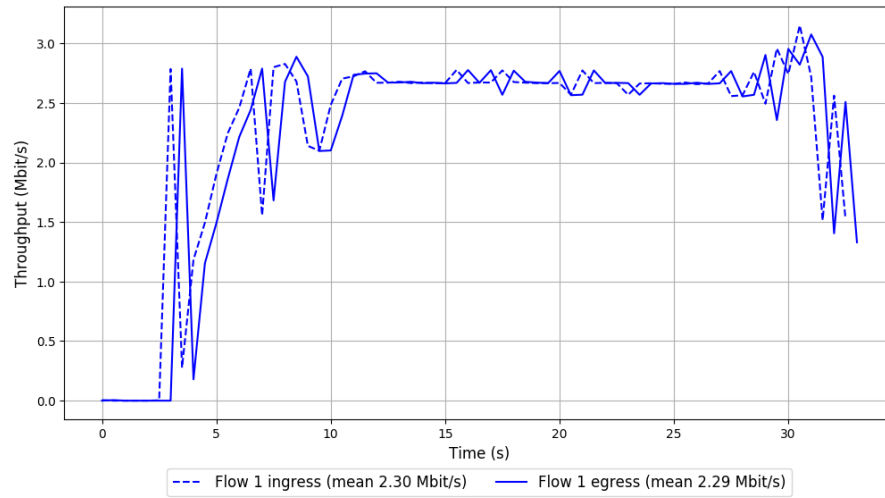


Run 1: Statistics of WebRTC media

Start at: 2019-02-20 05:13:40
End at: 2019-02-20 05:14:10
Local clock offset: -2.552 ms
Remote clock offset: -4.639 ms

Below is generated by plot.py at 2019-02-20 07:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 36.389 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 36.389 ms
Loss rate: 0.26%

Run 1: Report of WebRTC media — Data Link

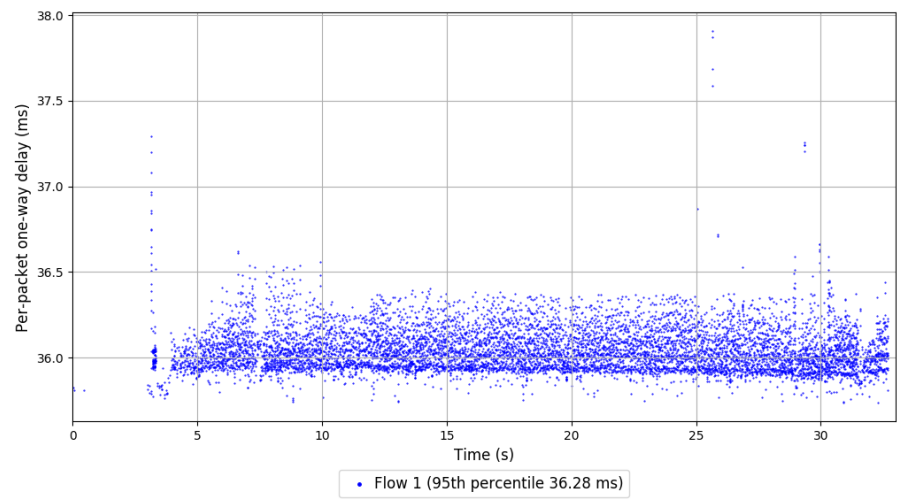
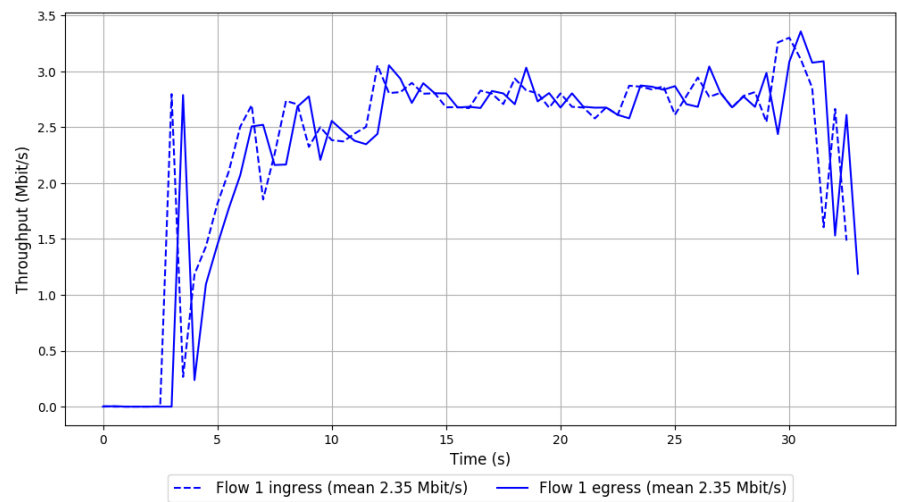


Run 2: Statistics of WebRTC media

Start at: 2019-02-20 05:39:31
End at: 2019-02-20 05:40:01
Local clock offset: -1.019 ms
Remote clock offset: -3.977 ms

Below is generated by plot.py at 2019-02-20 07:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 36.281 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 36.281 ms
Loss rate: 0.32%

Run 2: Report of WebRTC media — Data Link

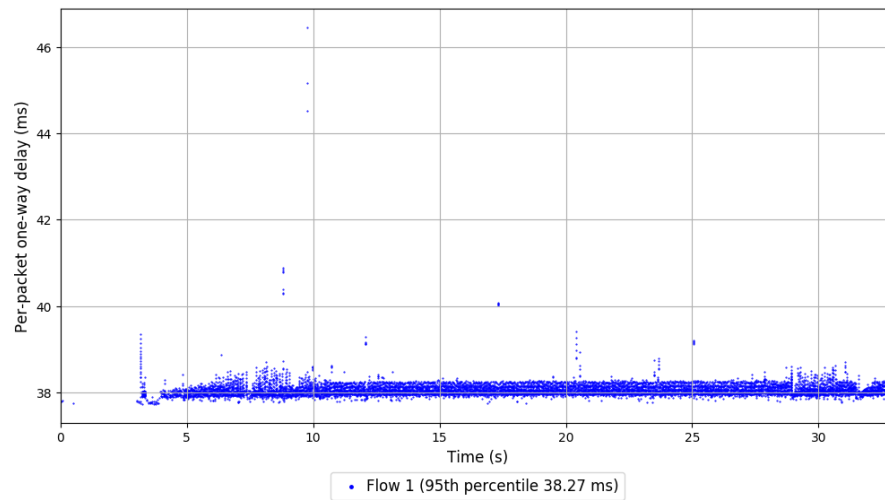
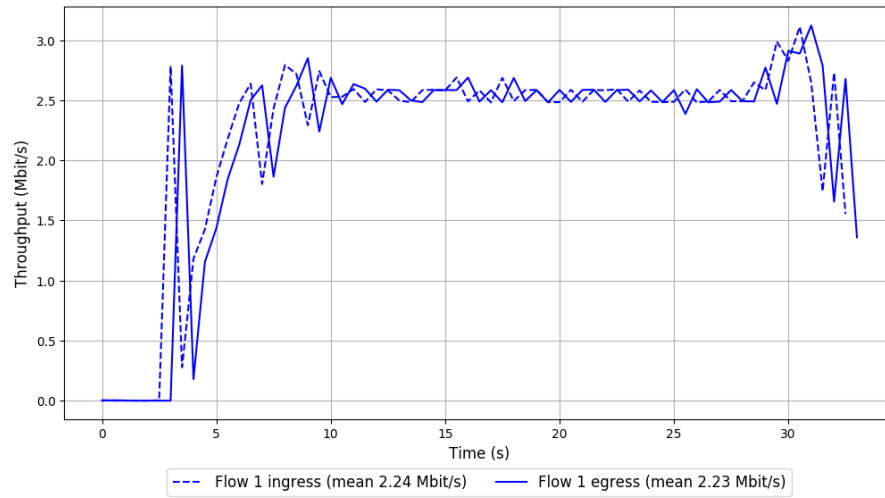


Run 3: Statistics of WebRTC media

Start at: 2019-02-20 06:05:22
End at: 2019-02-20 06:05:52
Local clock offset: 0.381 ms
Remote clock offset: -4.794 ms

Below is generated by plot.py at 2019-02-20 07:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 38.266 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 38.266 ms
Loss rate: 0.26%

Run 3: Report of WebRTC media — Data Link

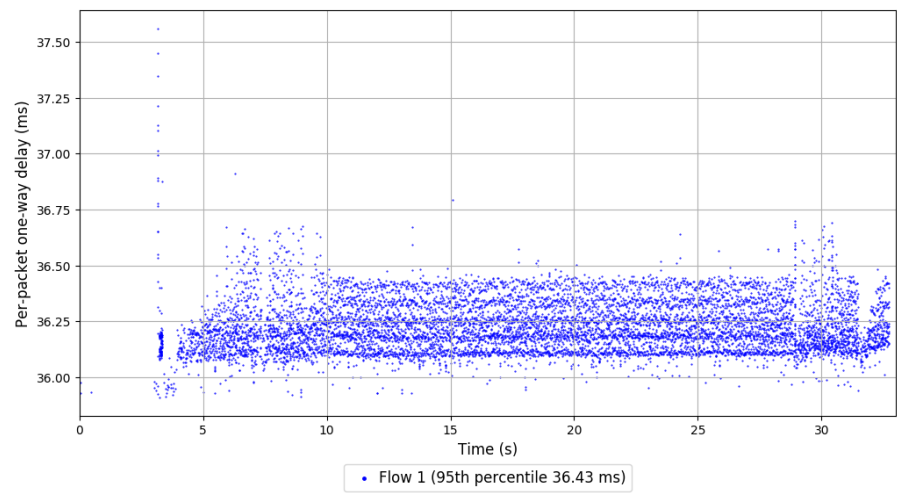
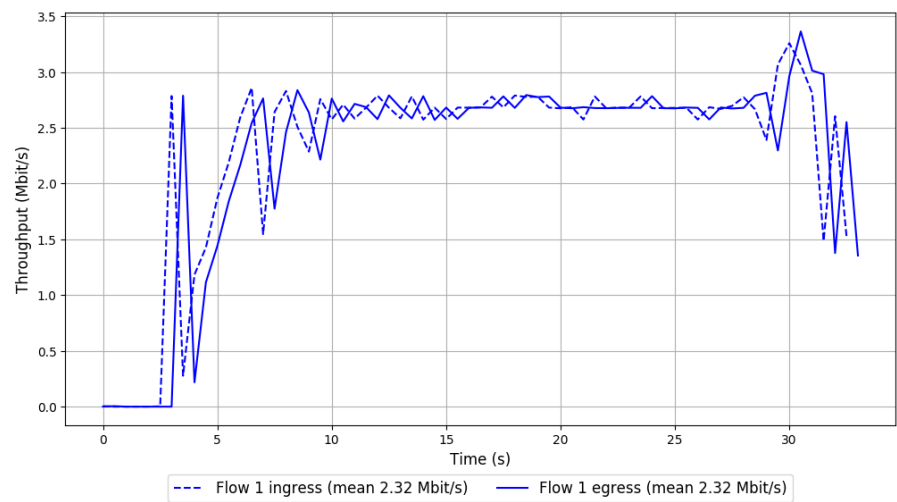


Run 4: Statistics of WebRTC media

Start at: 2019-02-20 06:30:20
End at: 2019-02-20 06:30:50
Local clock offset: 0.51 ms
Remote clock offset: -2.583 ms

Below is generated by plot.py at 2019-02-20 07:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 36.426 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 36.426 ms
Loss rate: 0.24%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-20 06:55:45
End at: 2019-02-20 06:56:15
Local clock offset: 0.441 ms
Remote clock offset: -4.286 ms

Below is generated by plot.py at 2019-02-20 07:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 38.192 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 38.192 ms
Loss rate: 0.26%

Run 5: Report of WebRTC media — Data Link

