

Pantheon Report

Generated at 2018-07-10 16:04:59 (UTC).

Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

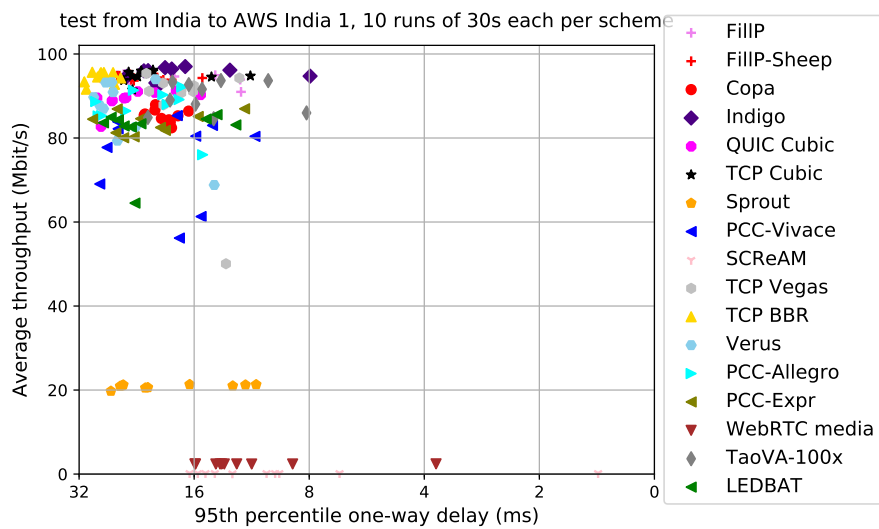
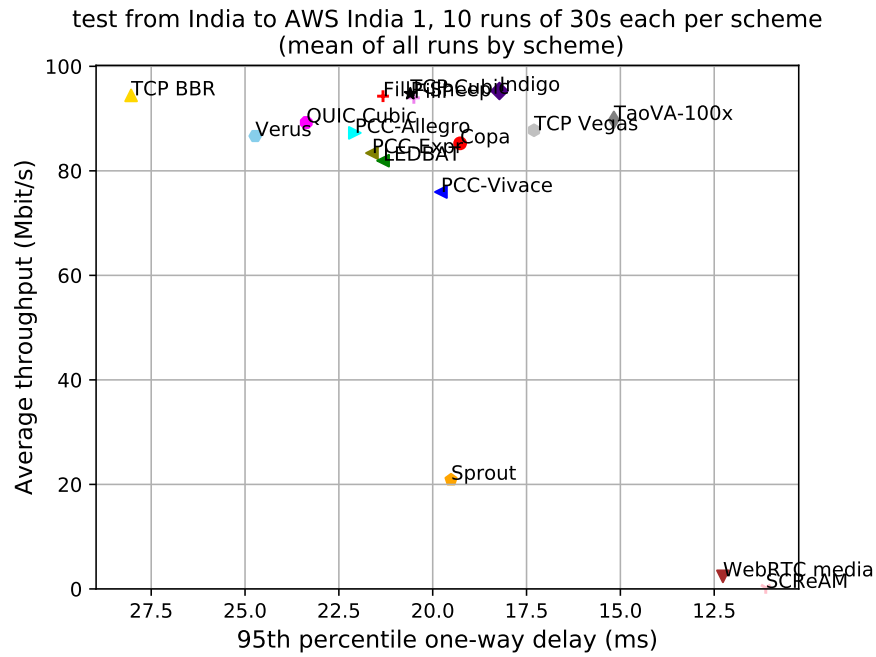
Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.44	28.04	3.29
Copa	10	85.26	19.27	0.08
TCP Cubic	10	94.75	20.60	0.10
FillP	10	93.97	20.50	0.12
FillP-Sheep	10	94.29	21.32	0.11
Indigo	10	95.28	18.22	0.09
LEDBAT	10	81.94	21.32	0.12
PCC-Allegro	10	87.26	22.07	0.23
PCC-Expr	10	83.40	21.62	0.14
QUIC Cubic	10	89.25	23.37	0.12
SCReAM	10	0.20	11.13	0.11
Sprout	10	20.90	19.51	0.10
TaoVA-100x	10	89.75	15.17	0.08
TCP Vegas	10	87.77	17.30	0.11
Verus	10	86.66	24.73	0.21
PCC-Vivace	10	75.95	19.78	0.15
WebRTC media	10	2.41	12.27	0.10

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 12:18:42

End at: 2018-07-10 12:19:12

Local clock offset: 2.84 ms

Remote clock offset: -6.748 ms

Below is generated by plot.py at 2018-07-10 15:41:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 28.617 ms

Loss rate: 3.82%

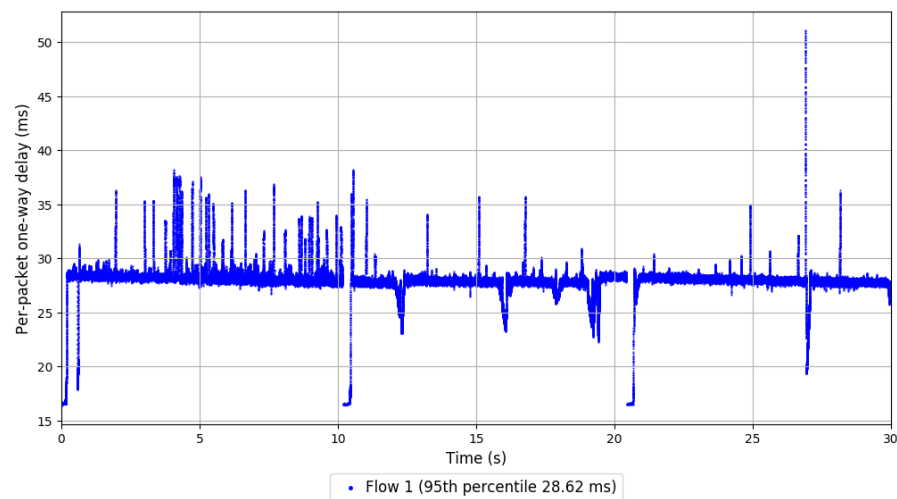
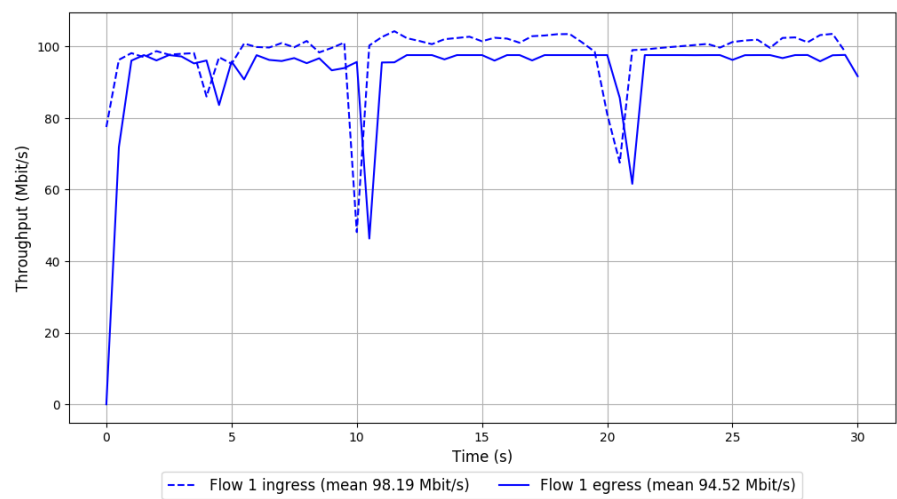
-- Flow 1:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 28.617 ms

Loss rate: 3.82%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-10 12:38:43

End at: 2018-07-10 12:39:13

Local clock offset: 0.773 ms

Remote clock offset: -8.003 ms

Below is generated by plot.py at 2018-07-10 15:41:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 28.025 ms

Loss rate: 3.29%

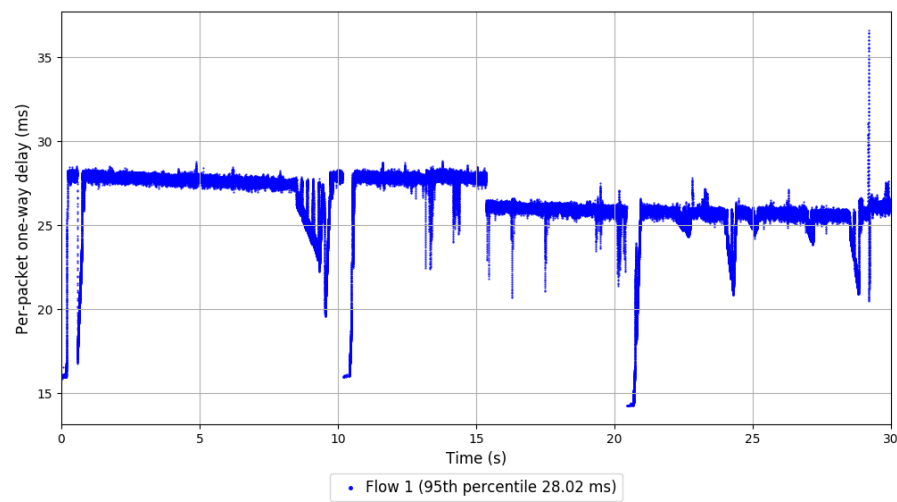
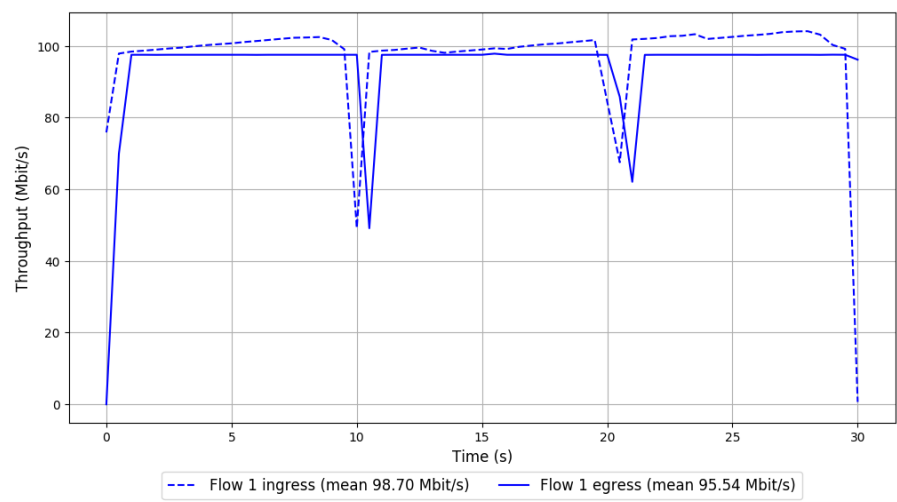
-- Flow 1:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 28.025 ms

Loss rate: 3.29%

Run 2: Report of TCP BBR — Data Link

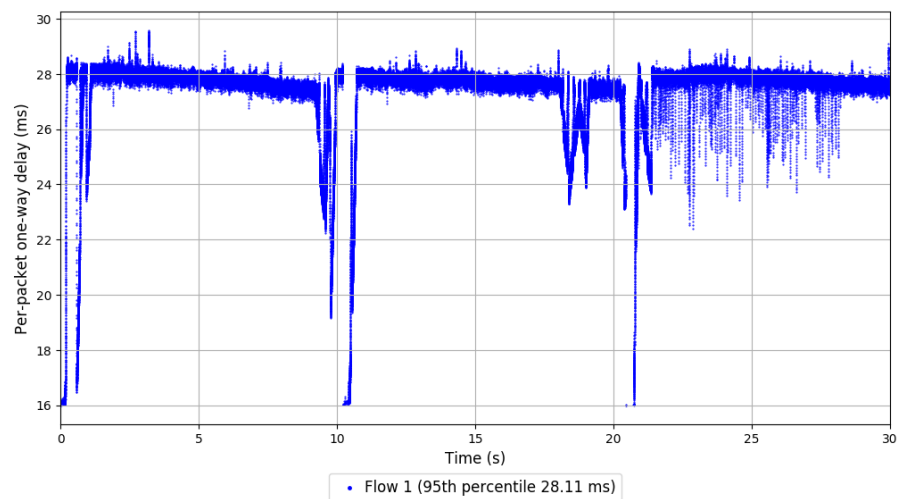
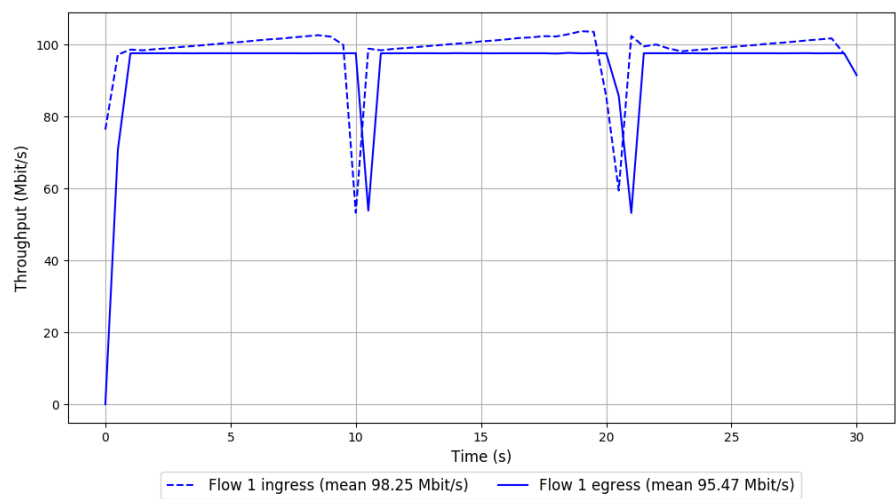


Run 3: Statistics of TCP BBR

Start at: 2018-07-10 12:59:06
End at: 2018-07-10 12:59:36
Local clock offset: 2.794 ms
Remote clock offset: -13.337 ms

Below is generated by plot.py at 2018-07-10 15:41:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 28.107 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 28.107 ms
Loss rate: 2.91%

Run 3: Report of TCP BBR — Data Link

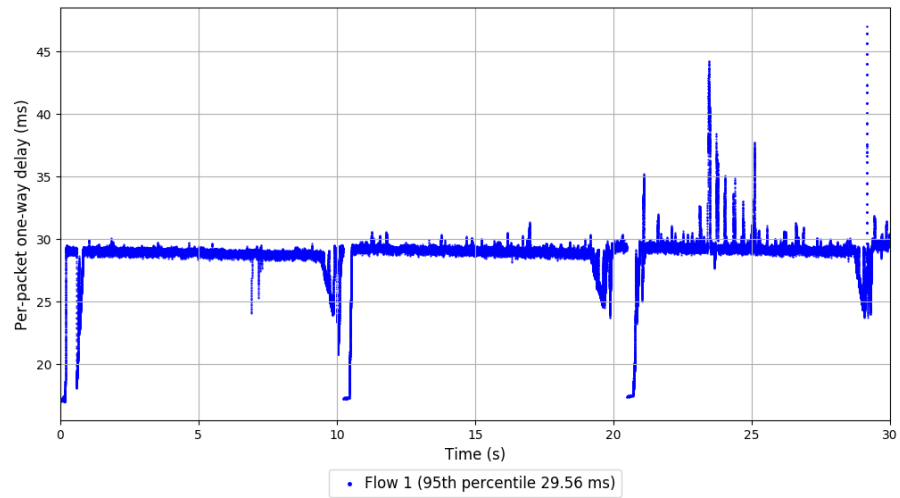
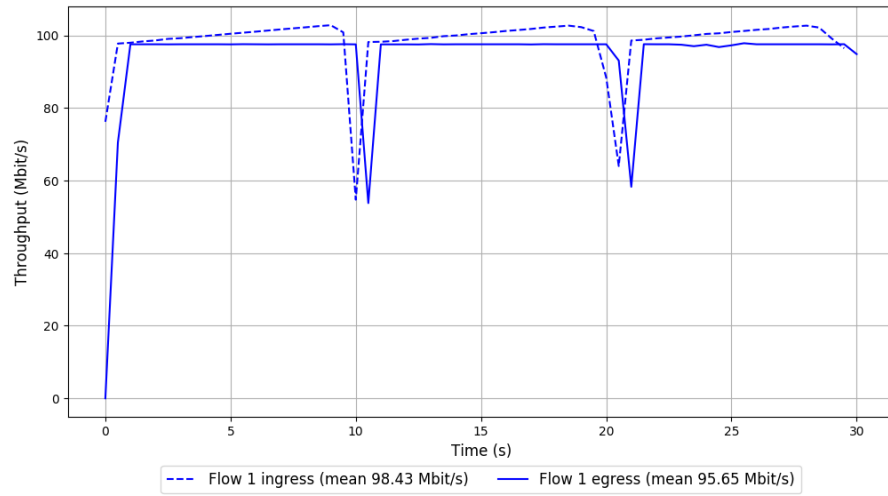


Run 4: Statistics of TCP BBR

Start at: 2018-07-10 13:19:06
End at: 2018-07-10 13:19:36
Local clock offset: 2.896 ms
Remote clock offset: -10.705 ms

Below is generated by plot.py at 2018-07-10 15:41:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 29.557 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 29.557 ms
Loss rate: 2.90%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-10 13:39:14

End at: 2018-07-10 13:39:44

Local clock offset: 0.567 ms

Remote clock offset: 1.87 ms

Below is generated by plot.py at 2018-07-10 15:41:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 25.858 ms

Loss rate: 3.84%

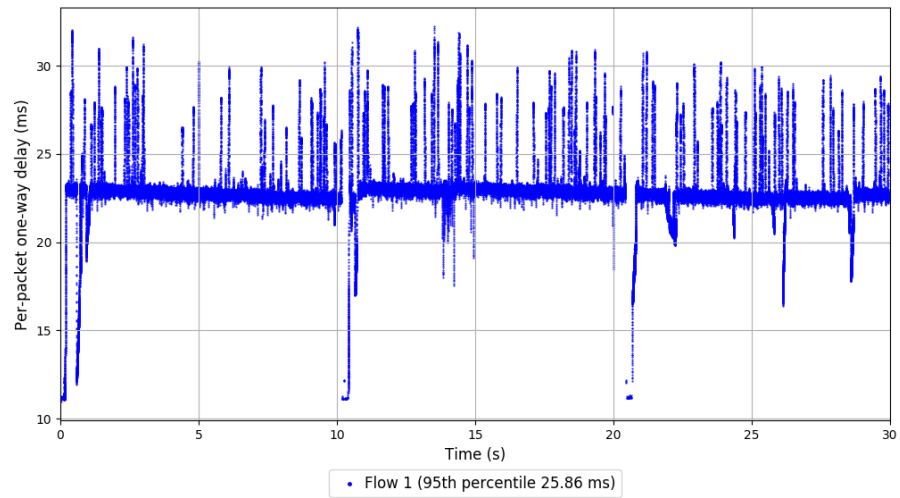
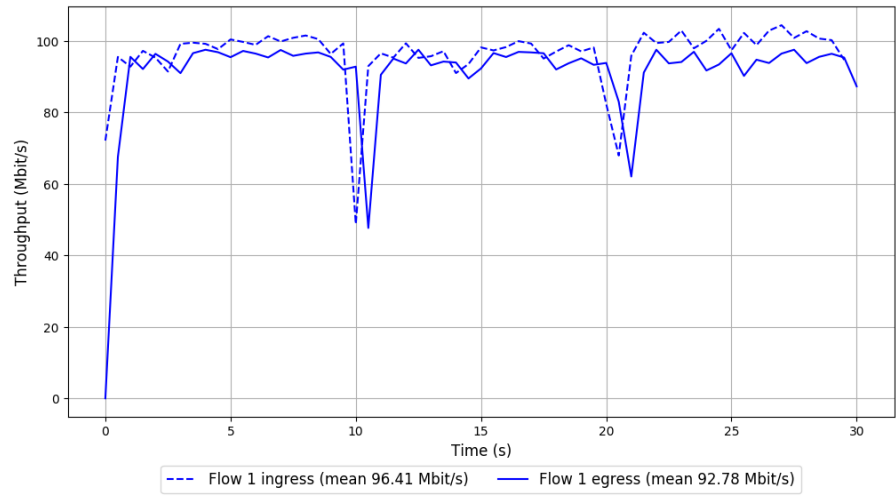
-- Flow 1:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 25.858 ms

Loss rate: 3.84%

Run 5: Report of TCP BBR — Data Link

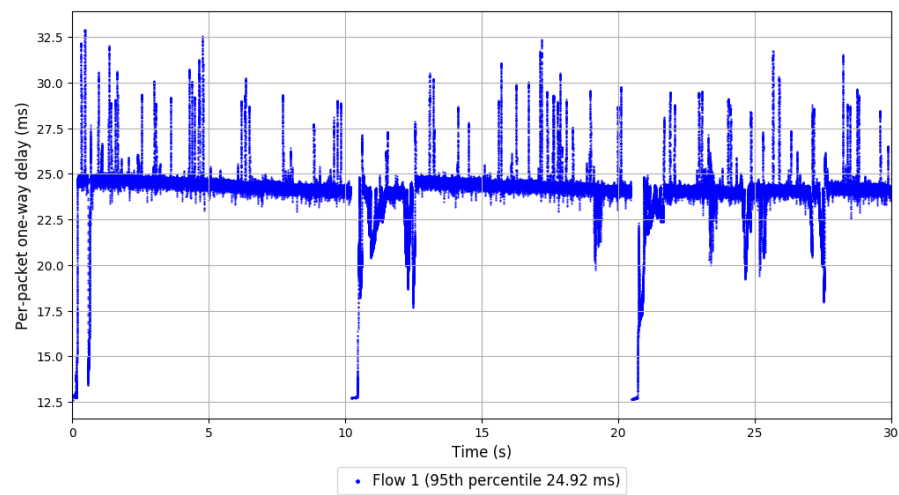
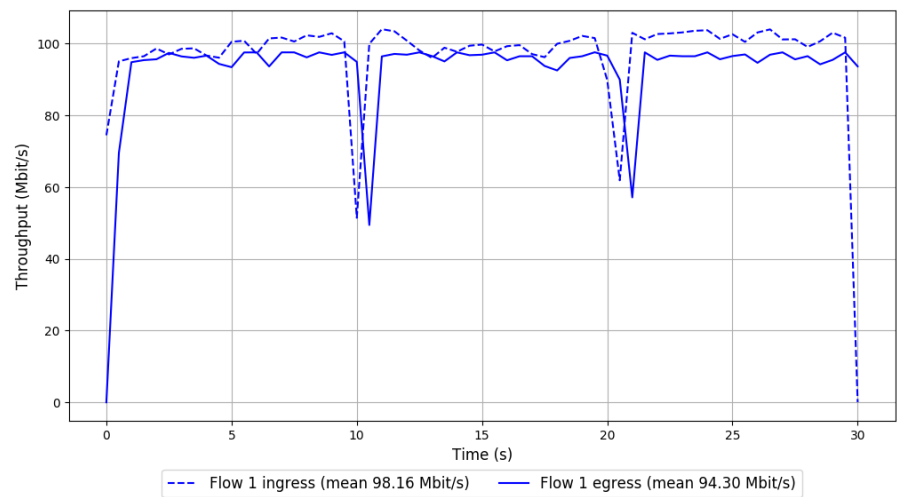


Run 6: Statistics of TCP BBR

Start at: 2018-07-10 13:59:37
End at: 2018-07-10 14:00:07
Local clock offset: 0.182 ms
Remote clock offset: -3.927 ms

Below is generated by plot.py at 2018-07-10 15:41:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 24.919 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 24.919 ms
Loss rate: 4.03%

Run 6: Report of TCP BBR — Data Link

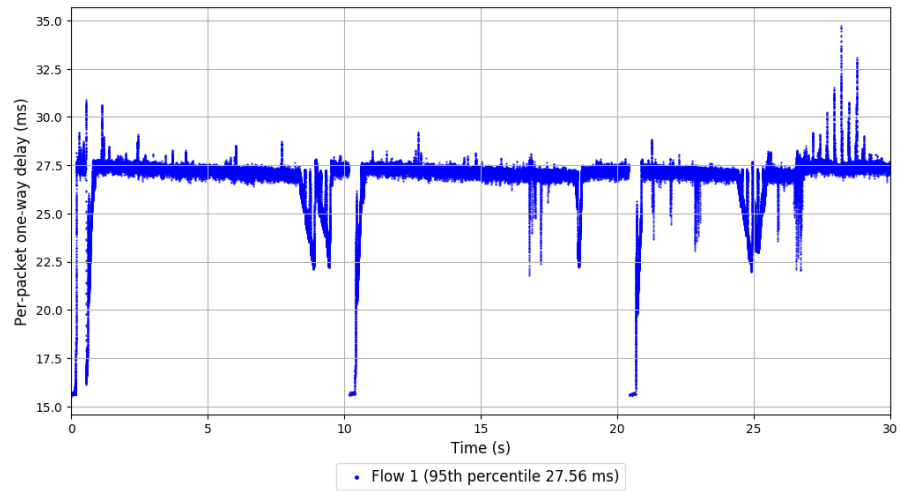
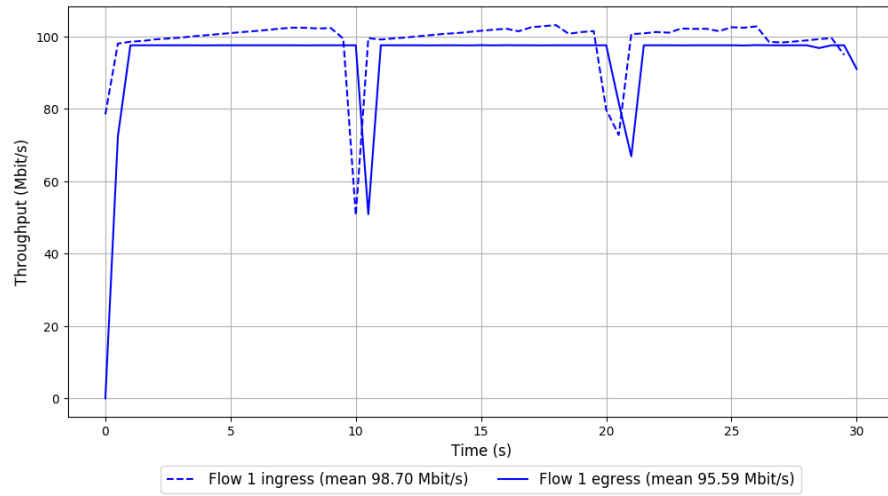


Run 7: Statistics of TCP BBR

Start at: 2018-07-10 14:19:50
End at: 2018-07-10 14:20:20
Local clock offset: 2.265 ms
Remote clock offset: -7.612 ms

Below is generated by plot.py at 2018-07-10 15:41:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 27.563 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 27.563 ms
Loss rate: 3.25%

Run 7: Report of TCP BBR — Data Link

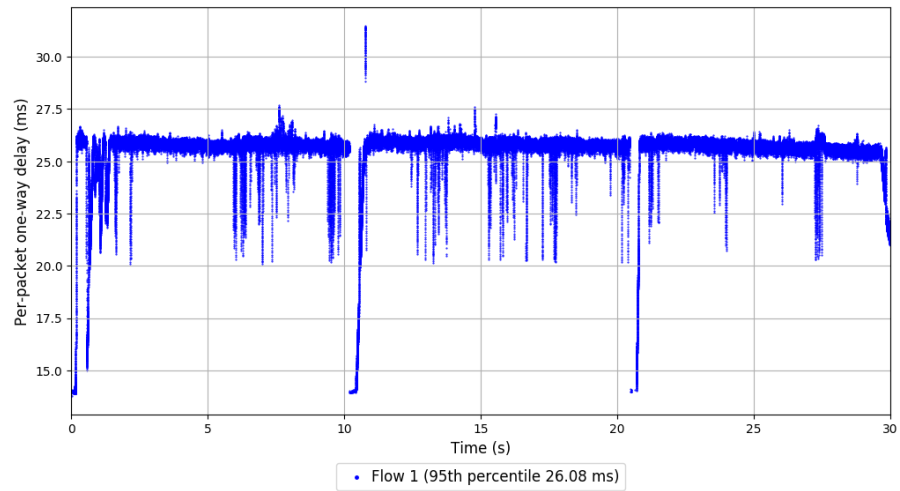
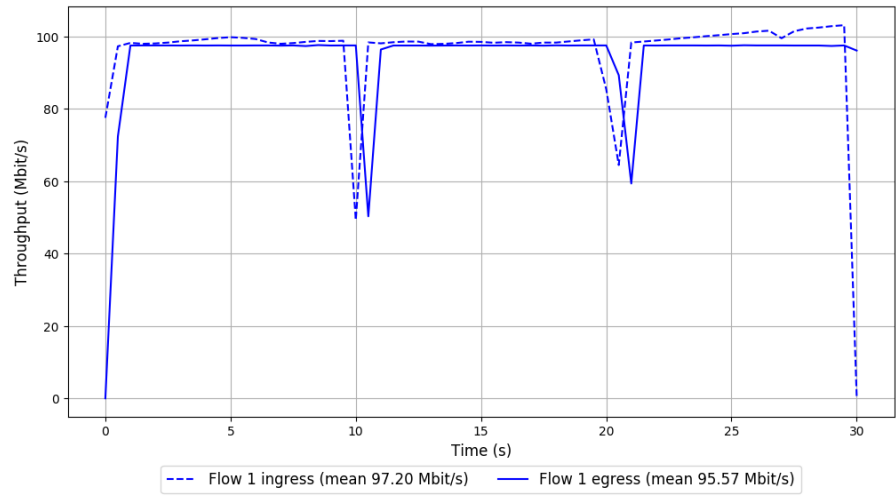


Run 8: Statistics of TCP BBR

Start at: 2018-07-10 14:40:05
End at: 2018-07-10 14:40:35
Local clock offset: 0.443 ms
Remote clock offset: -1.426 ms

Below is generated by plot.py at 2018-07-10 15:41:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 26.076 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 26.076 ms
Loss rate: 1.76%

Run 8: Report of TCP BBR — Data Link

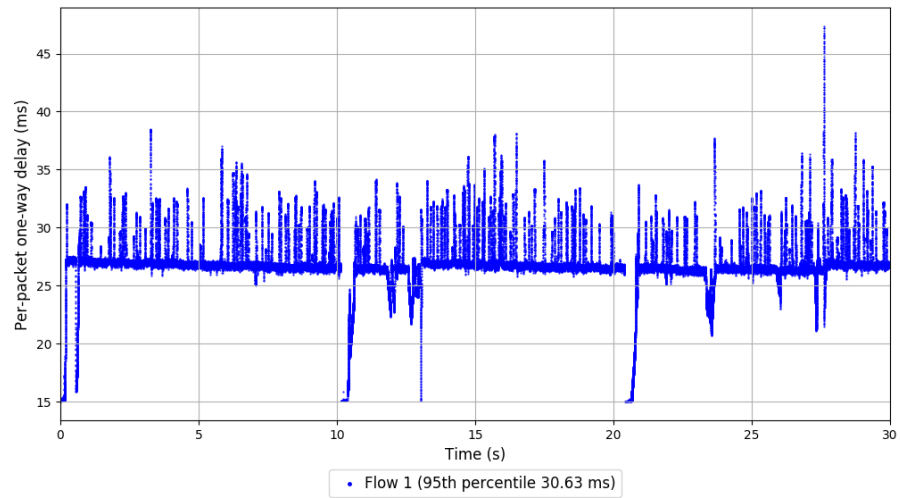
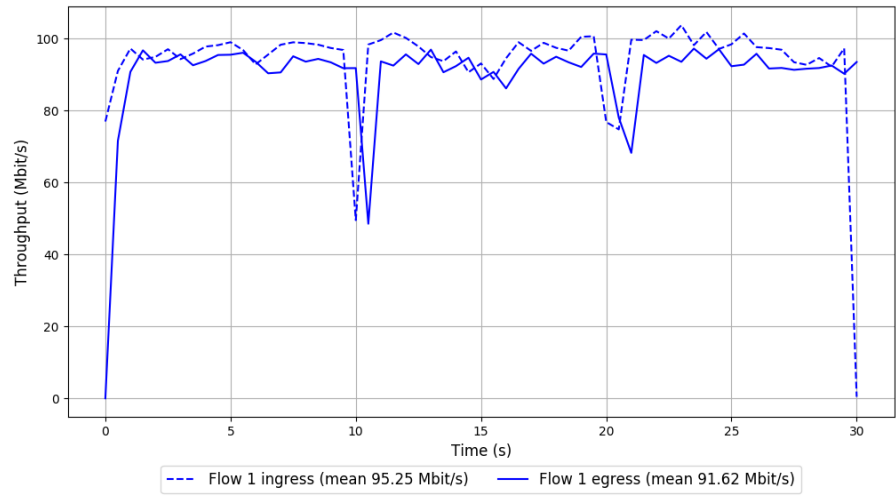


Run 9: Statistics of TCP BBR

Start at: 2018-07-10 15:00:01
End at: 2018-07-10 15:00:31
Local clock offset: 1.812 ms
Remote clock offset: -1.164 ms

Below is generated by plot.py at 2018-07-10 15:42:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 30.631 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 30.631 ms
Loss rate: 3.88%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-10 15:19:59

End at: 2018-07-10 15:20:29

Local clock offset: 3.606 ms

Remote clock offset: -4.616 ms

Below is generated by plot.py at 2018-07-10 15:42:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 31.003 ms

Loss rate: 3.25%

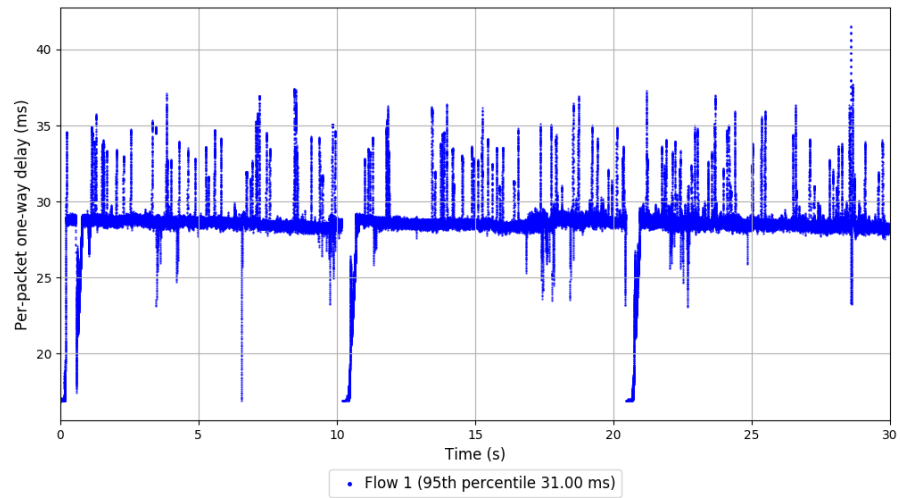
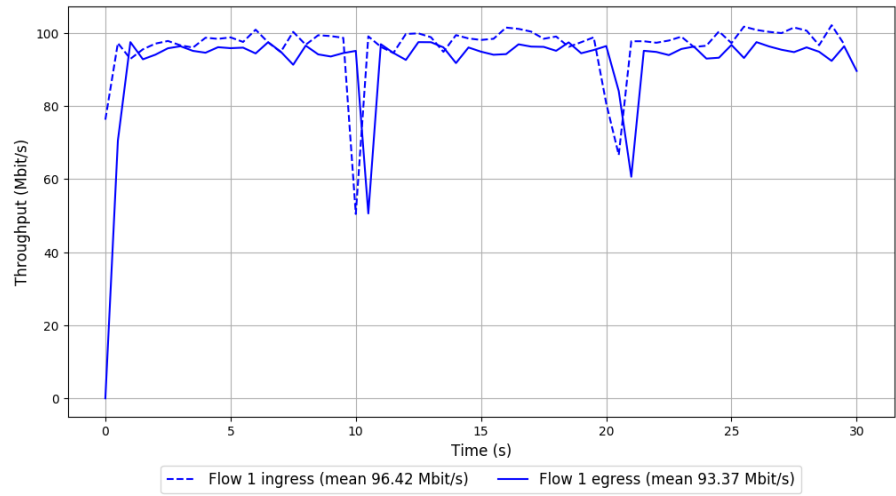
-- Flow 1:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 31.003 ms

Loss rate: 3.25%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-10 12:16:21

End at: 2018-07-10 12:16:51

Local clock offset: 0.859 ms

Remote clock offset: -6.2 ms

Below is generated by plot.py at 2018-07-10 15:43:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 18.477 ms

Loss rate: 0.09%

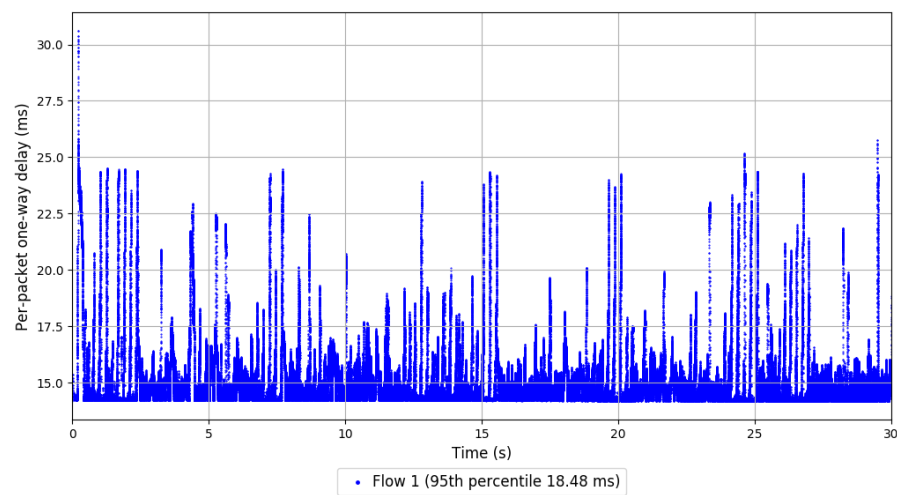
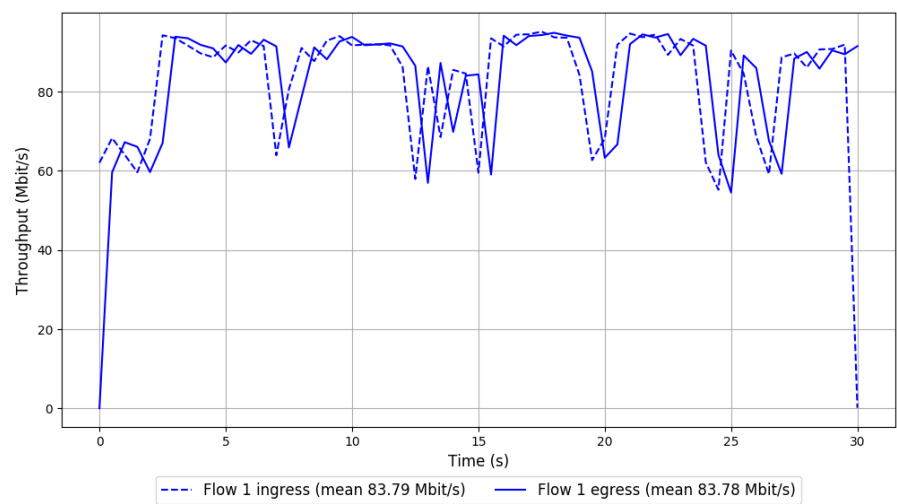
-- Flow 1:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 18.477 ms

Loss rate: 0.09%

Run 1: Report of Copa — Data Link

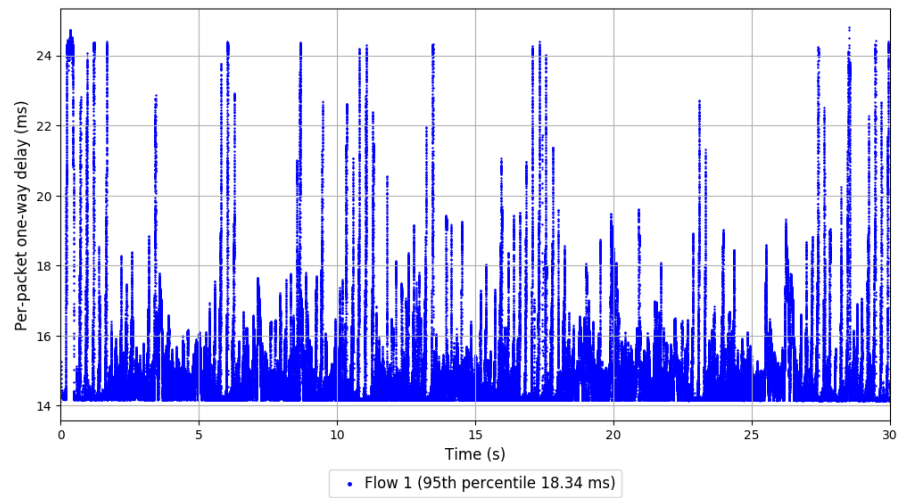
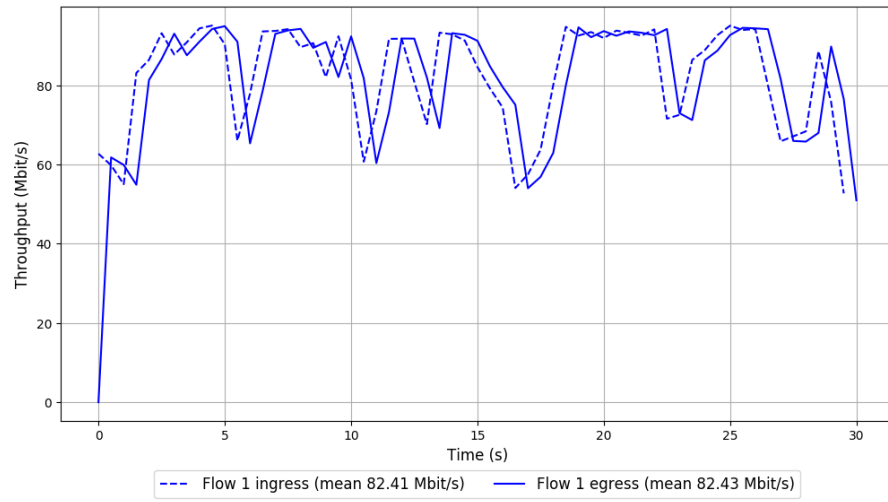


Run 2: Statistics of Copa

Start at: 2018-07-10 12:36:20
End at: 2018-07-10 12:36:50
Local clock offset: 0.87 ms
Remote clock offset: -7.707 ms

Below is generated by plot.py at 2018-07-10 15:43:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 18.338 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 18.338 ms
Loss rate: 0.06%

Run 2: Report of Copa — Data Link

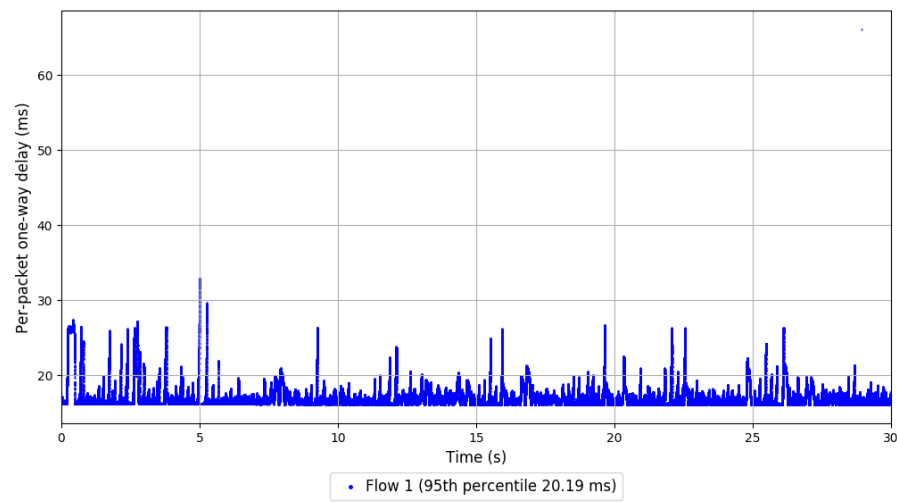
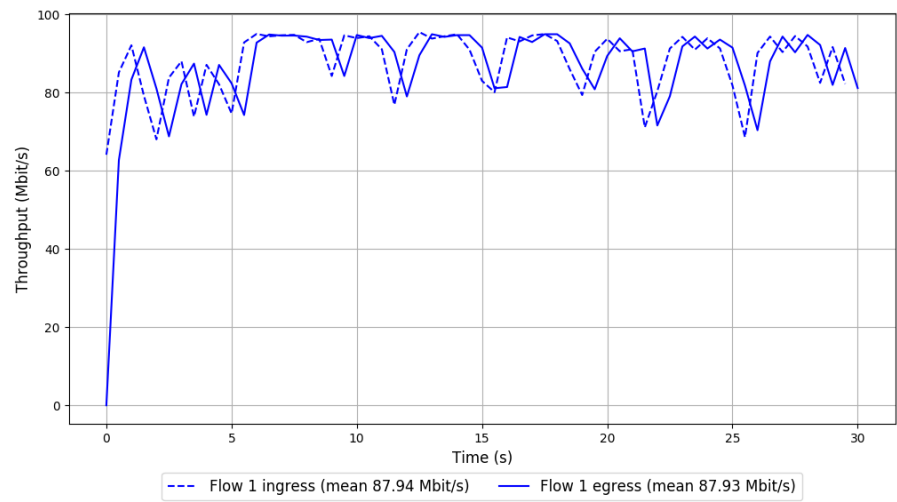


Run 3: Statistics of Copa

Start at: 2018-07-10 12:56:42
End at: 2018-07-10 12:57:12
Local clock offset: 3.517 ms
Remote clock offset: -12.342 ms

Below is generated by plot.py at 2018-07-10 15:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.09%

Run 3: Report of Copa — Data Link

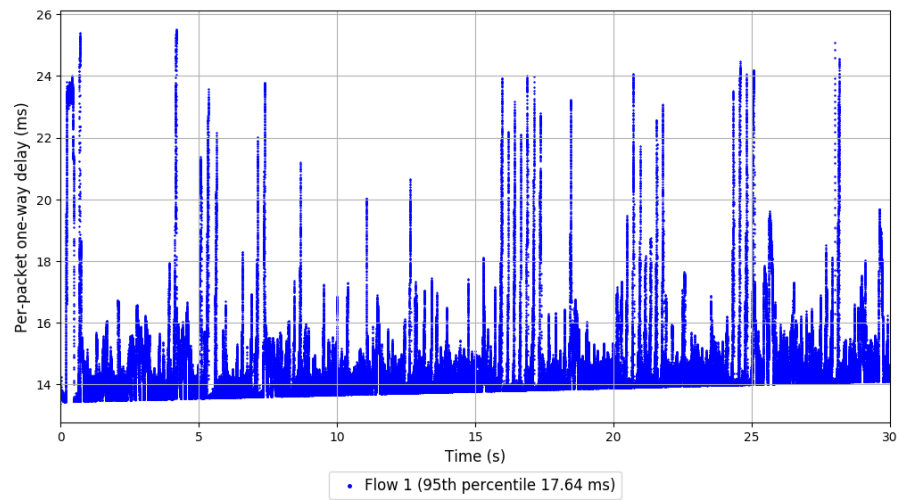
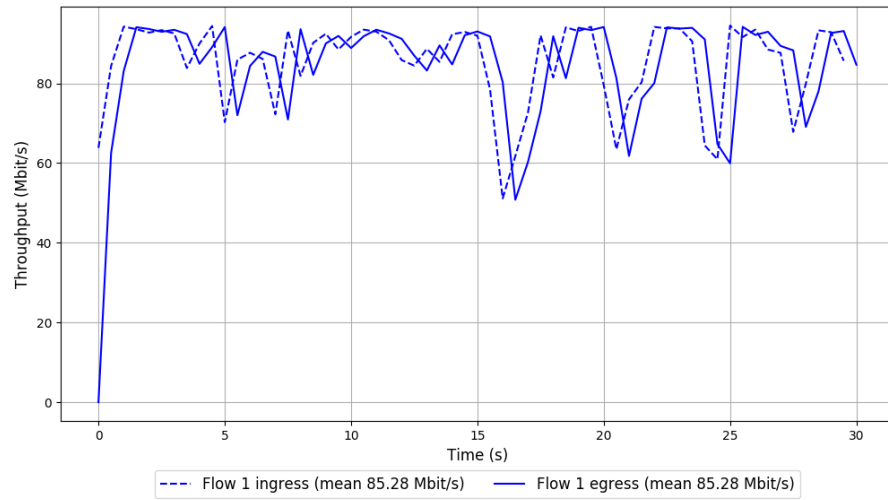


Run 4: Statistics of Copa

Start at: 2018-07-10 13:16:39
End at: 2018-07-10 13:17:09
Local clock offset: -0.15 ms
Remote clock offset: -13.134 ms

Below is generated by plot.py at 2018-07-10 15:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 17.642 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 17.642 ms
Loss rate: 0.07%

Run 4: Report of Copa — Data Link

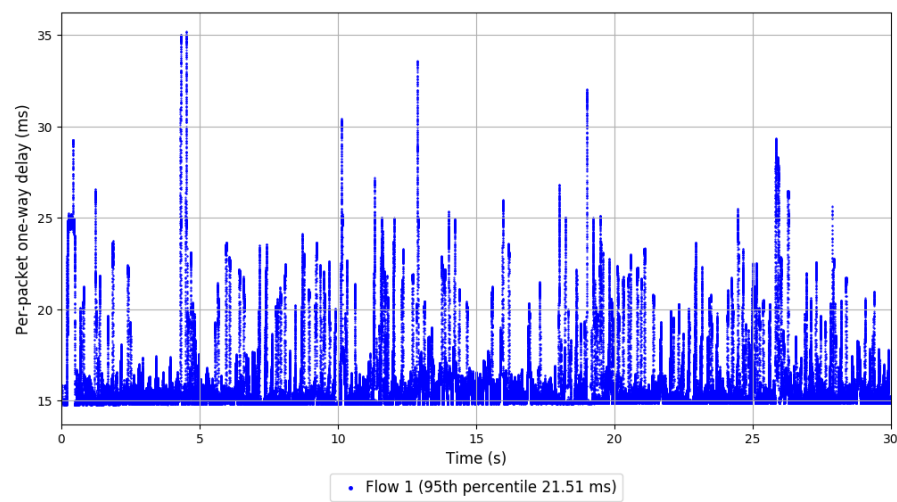
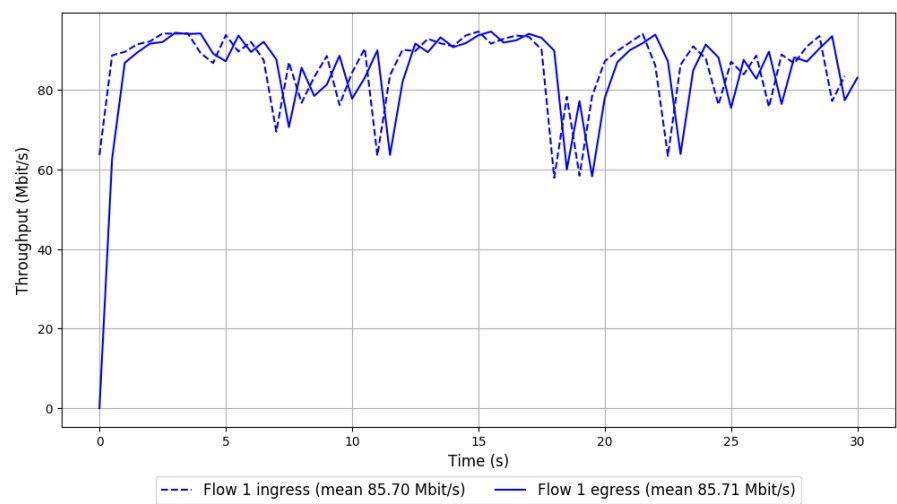


Run 5: Statistics of Copa

Start at: 2018-07-10 13:36:48
End at: 2018-07-10 13:37:18
Local clock offset: 1.646 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2018-07-10 15:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 21.510 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 21.510 ms
Loss rate: 0.06%

Run 5: Report of Copa — Data Link

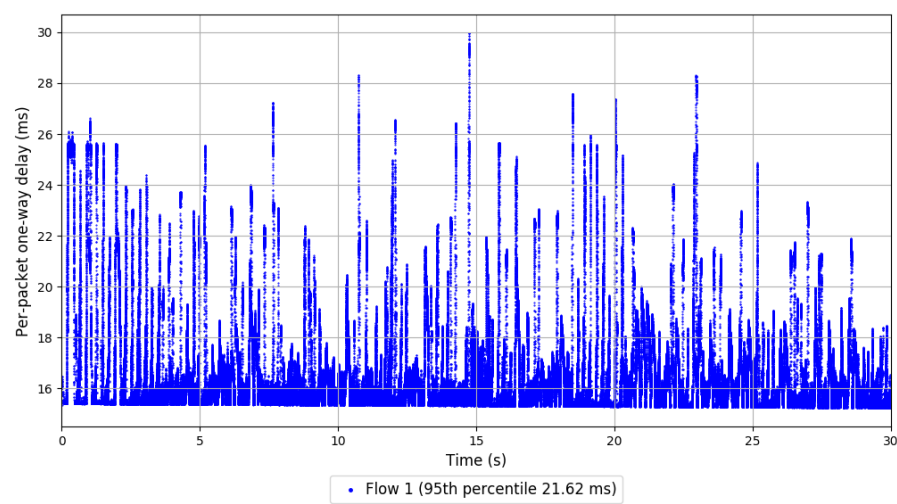
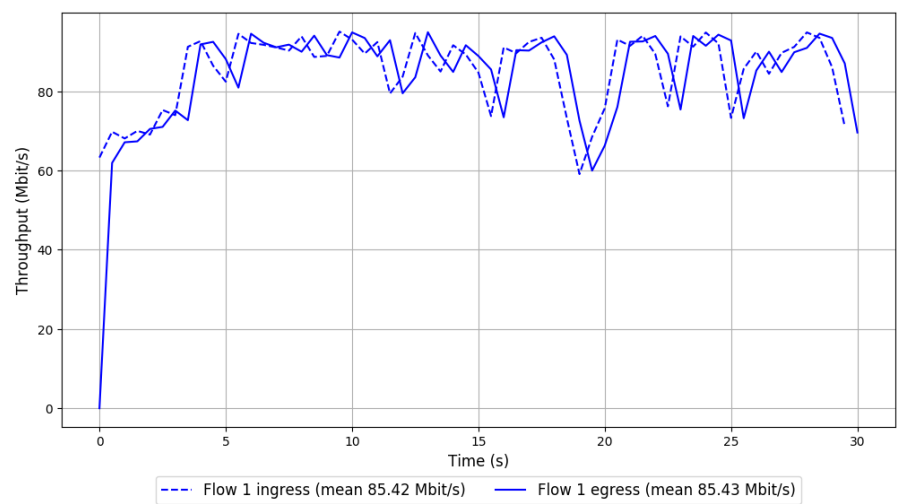


Run 6: Statistics of Copa

Start at: 2018-07-10 13:57:13
End at: 2018-07-10 13:57:43
Local clock offset: 2.233 ms
Remote clock offset: -3.816 ms

Below is generated by plot.py at 2018-07-10 15:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 21.619 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 21.619 ms
Loss rate: 0.08%

Run 6: Report of Copa — Data Link

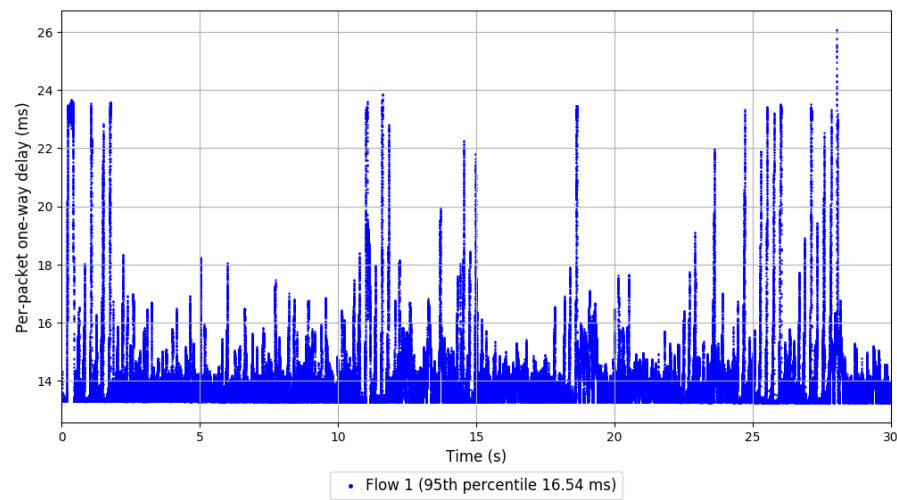
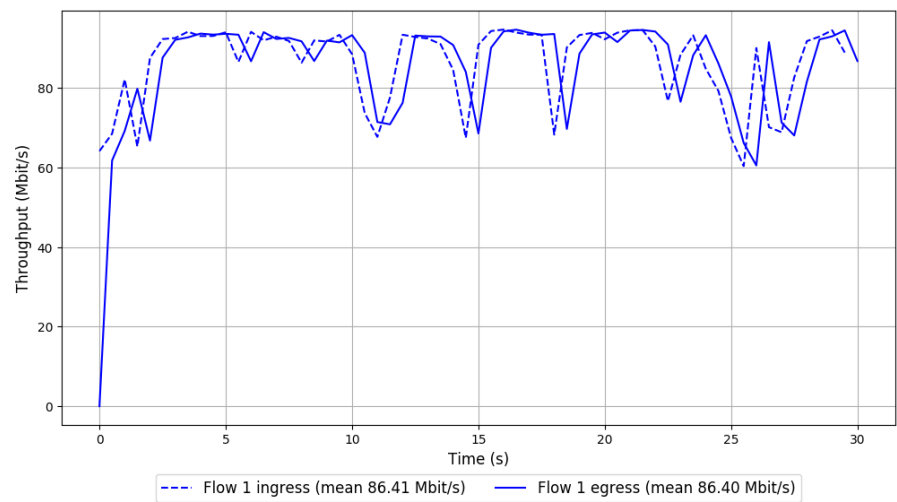


Run 7: Statistics of Copa

Start at: 2018-07-10 14:17:25
End at: 2018-07-10 14:17:55
Local clock offset: -1.91 ms
Remote clock offset: -9.265 ms

Below is generated by plot.py at 2018-07-10 15:44:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 16.540 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 16.540 ms
Loss rate: 0.09%

Run 7: Report of Copa — Data Link

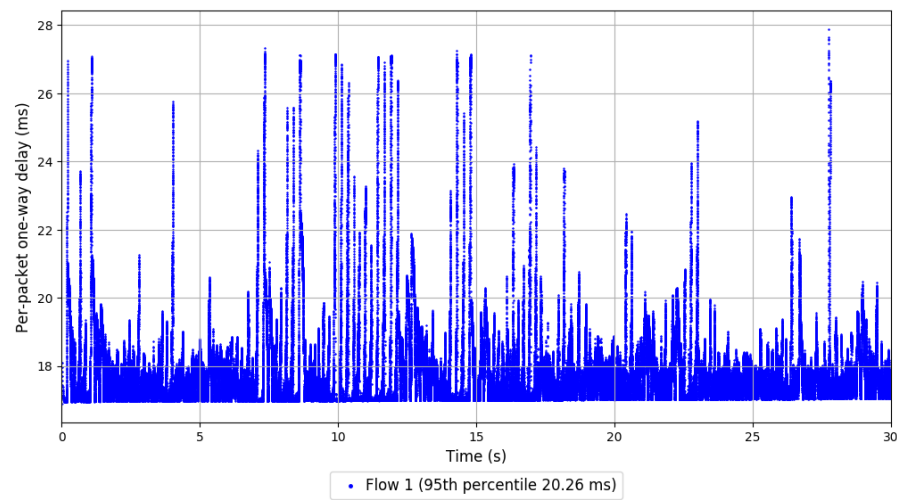
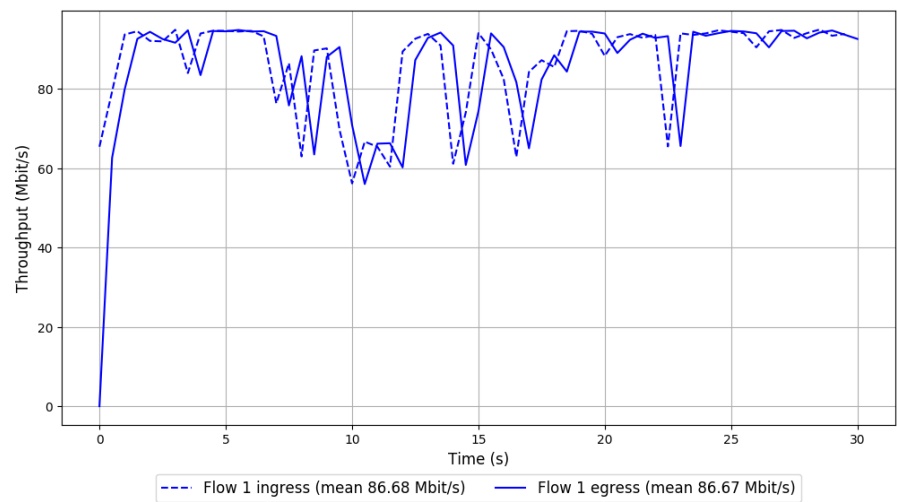


Run 8: Statistics of Copa

Start at: 2018-07-10 14:37:34
End at: 2018-07-10 14:38:04
Local clock offset: 2.205 ms
Remote clock offset: -3.126 ms

Below is generated by plot.py at 2018-07-10 15:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 20.263 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 20.263 ms
Loss rate: 0.09%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-10 14:57:41

End at: 2018-07-10 14:58:11

Local clock offset: 3.397 ms

Remote clock offset: 2.172 ms

Below is generated by plot.py at 2018-07-10 15:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.66 Mbit/s

95th percentile per-packet one-way delay: 19.493 ms

Loss rate: 0.11%

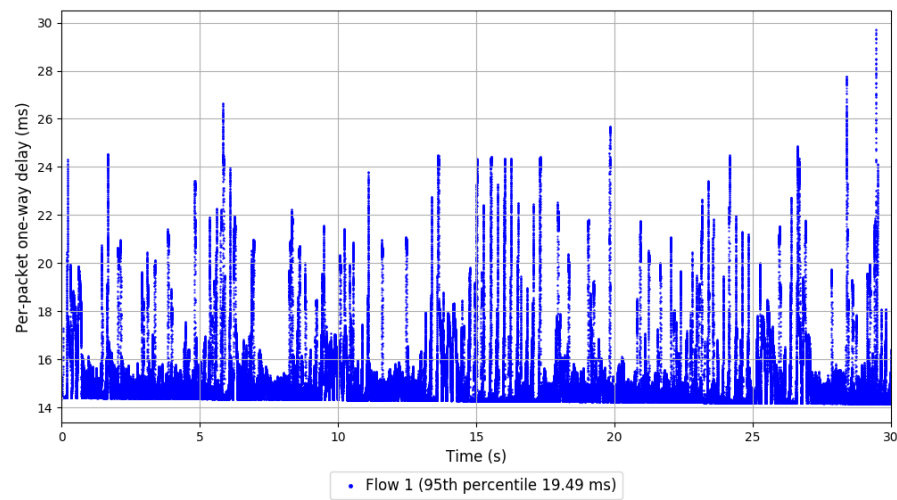
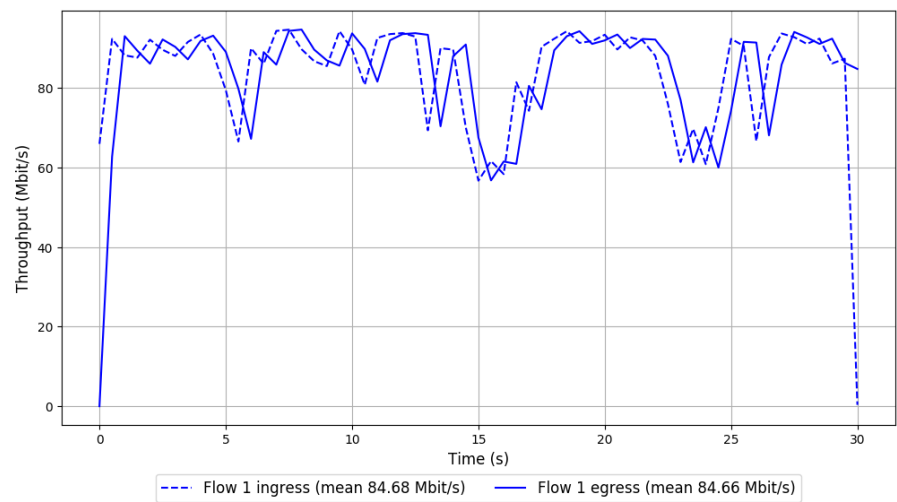
-- Flow 1:

Average throughput: 84.66 Mbit/s

95th percentile per-packet one-way delay: 19.493 ms

Loss rate: 0.11%

Run 9: Report of Copa — Data Link

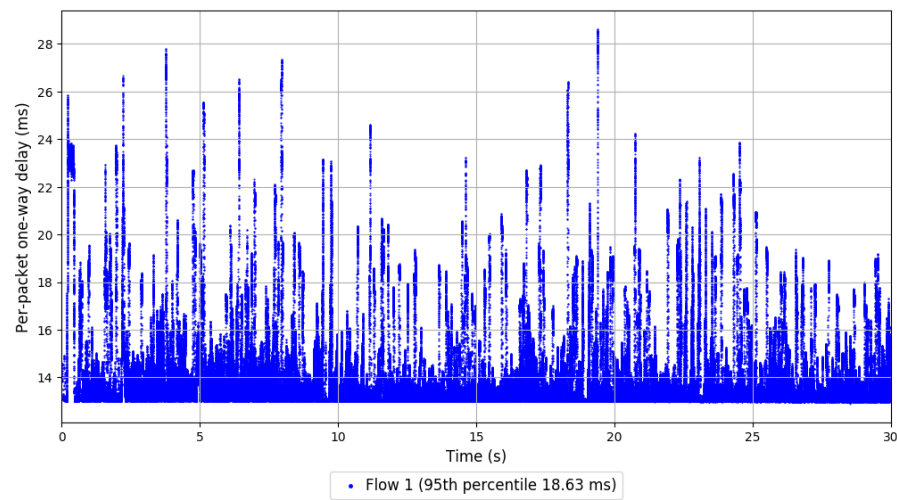
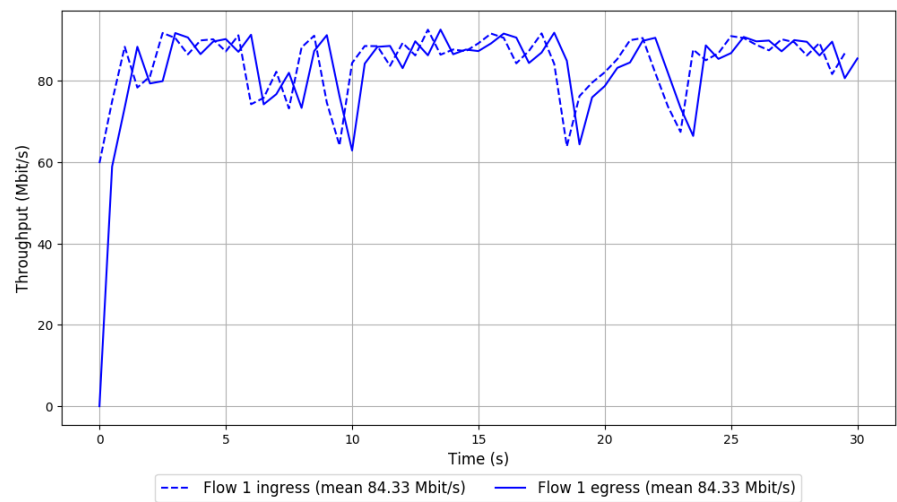


Run 10: Statistics of Copa

Start at: 2018-07-10 15:17:33
End at: 2018-07-10 15:18:03
Local clock offset: -0.976 ms
Remote clock offset: -5.127 ms

Below is generated by plot.py at 2018-07-10 15:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 18.628 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 18.628 ms
Loss rate: 0.09%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 12:19:54

End at: 2018-07-10 12:20:24

Local clock offset: 1.756 ms

Remote clock offset: -6.343 ms

Below is generated by plot.py at 2018-07-10 15:45:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 22.495 ms

Loss rate: 0.08%

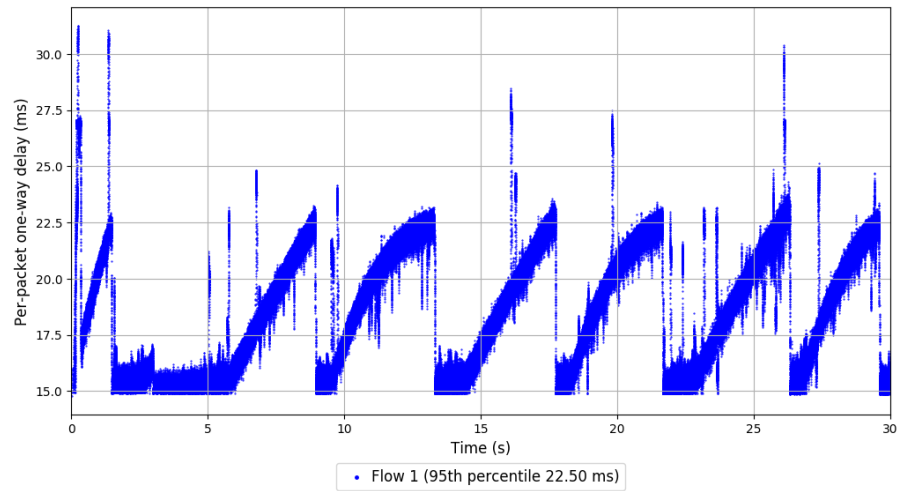
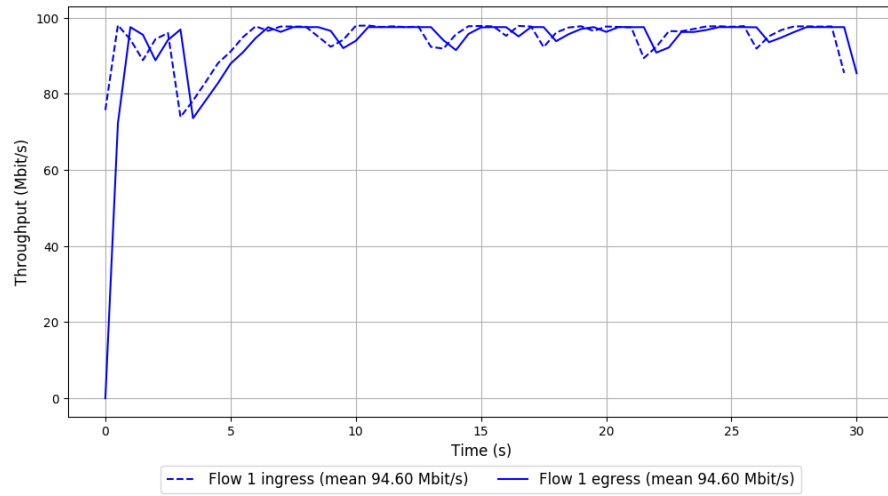
-- Flow 1:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 22.495 ms

Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link

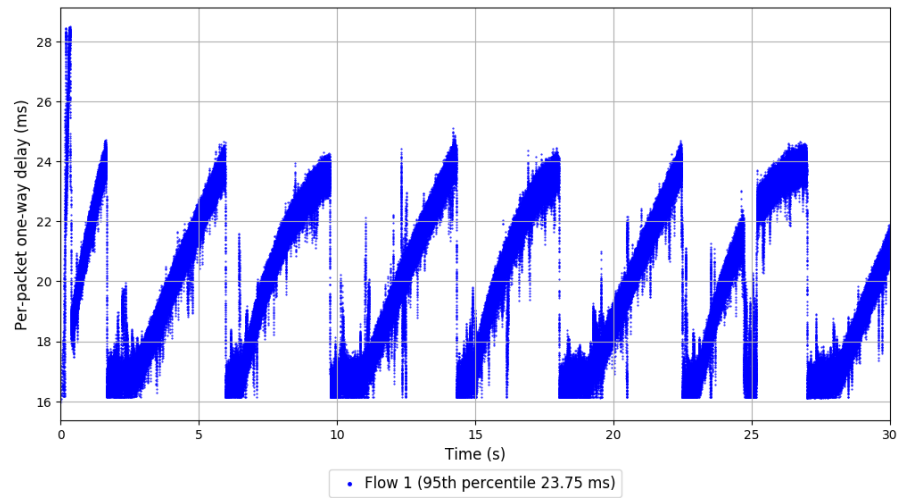
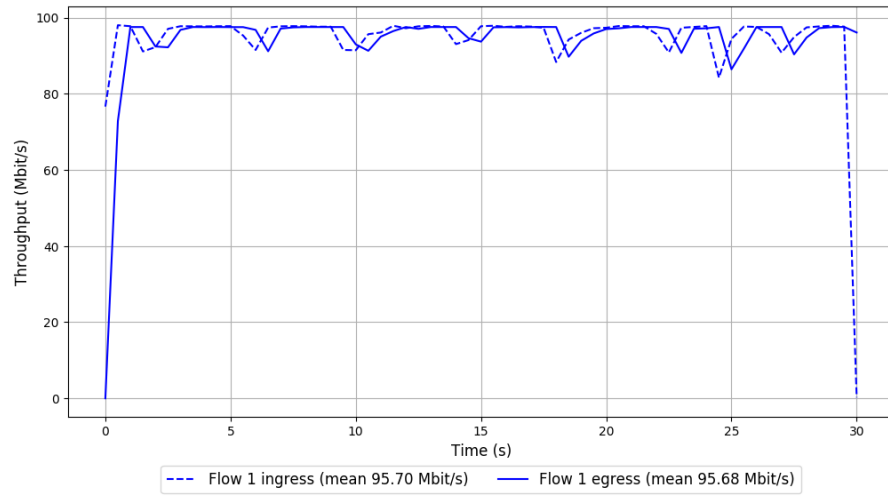


Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 12:39:59
End at: 2018-07-10 12:40:29
Local clock offset: 2.313 ms
Remote clock offset: -8.426 ms

Below is generated by plot.py at 2018-07-10 15:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 23.748 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 23.748 ms
Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link

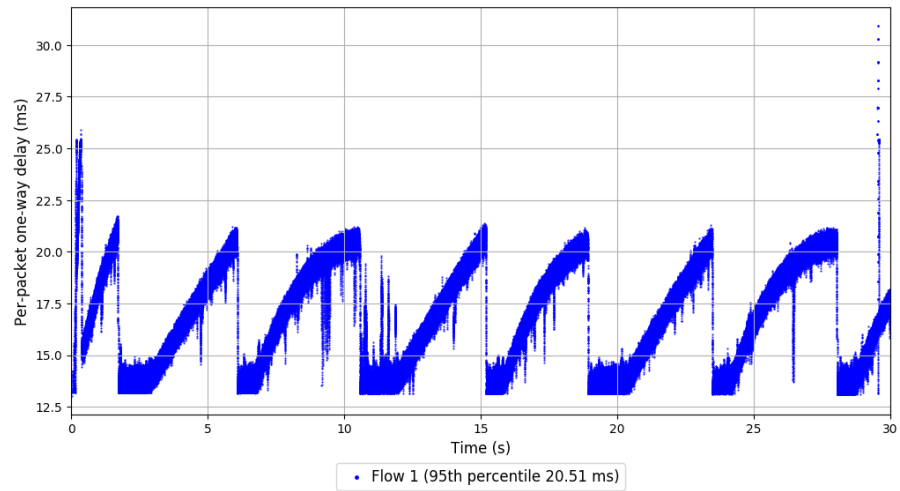
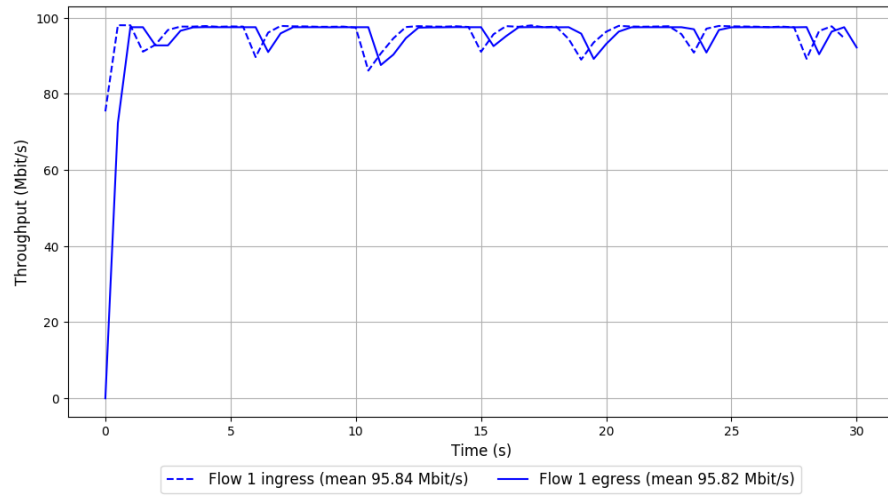


Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 13:00:19
End at: 2018-07-10 13:00:49
Local clock offset: -0.068 ms
Remote clock offset: -13.527 ms

Below is generated by plot.py at 2018-07-10 15:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 20.511 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 20.511 ms
Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

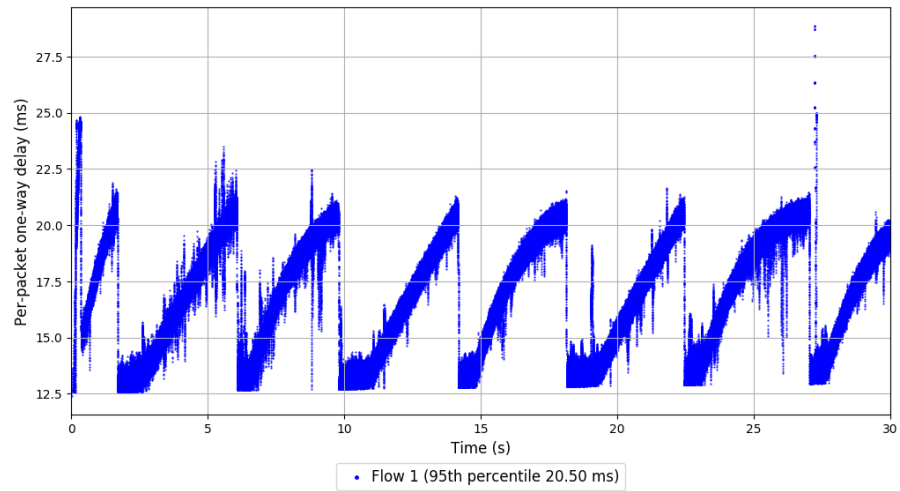
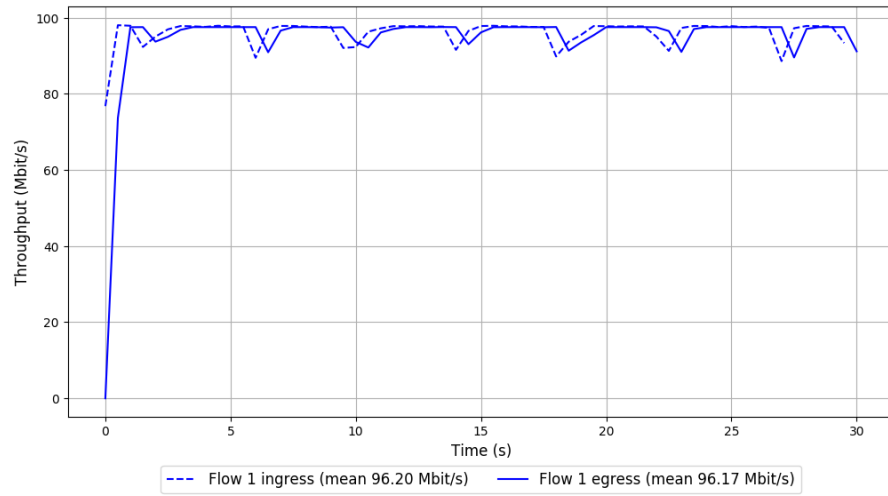


Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 13:20:20
End at: 2018-07-10 13:20:50
Local clock offset: -1.572 ms
Remote clock offset: -9.505 ms

Below is generated by plot.py at 2018-07-10 15:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 20.499 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 20.499 ms
Loss rate: 0.11%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 13:40:31

End at: 2018-07-10 13:41:01

Local clock offset: -0.648 ms

Remote clock offset: 8.804 ms

Below is generated by plot.py at 2018-07-10 15:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 11.401 ms

Loss rate: 0.10%

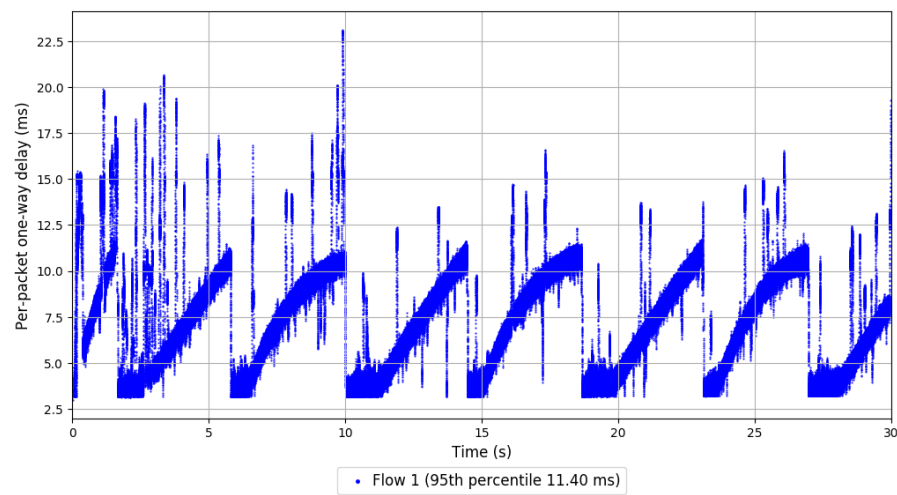
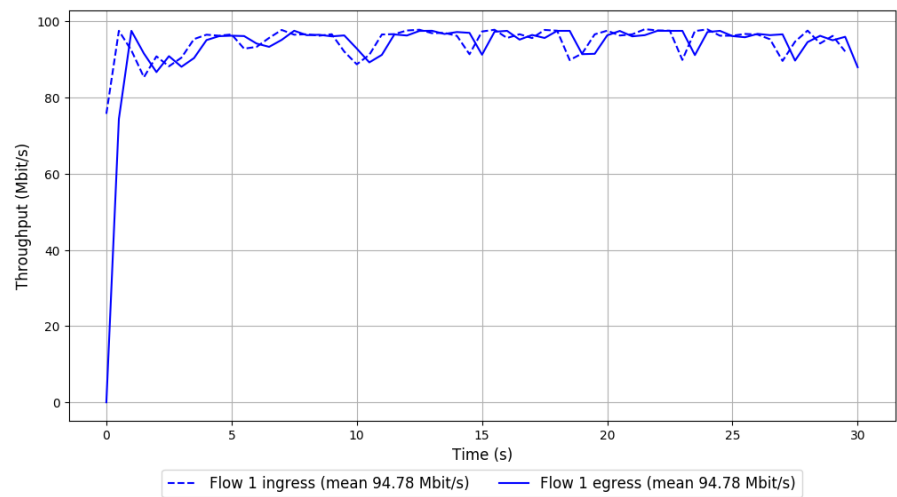
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 11.401 ms

Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link

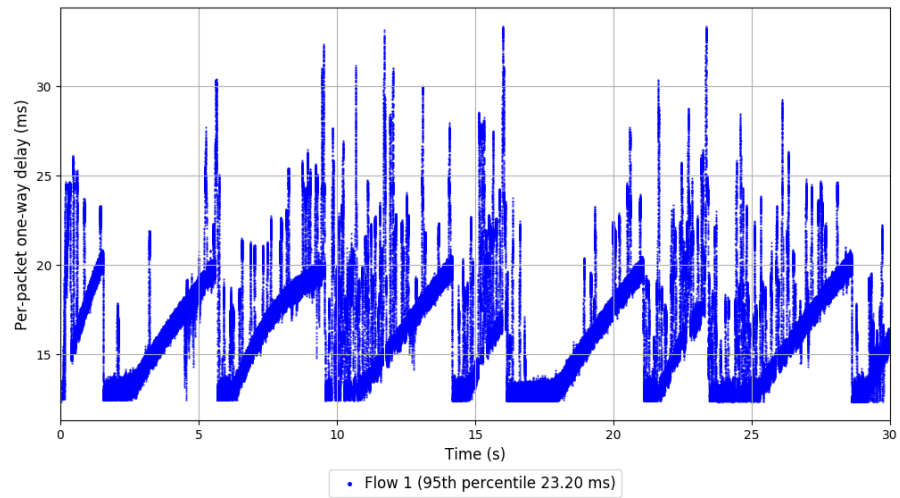
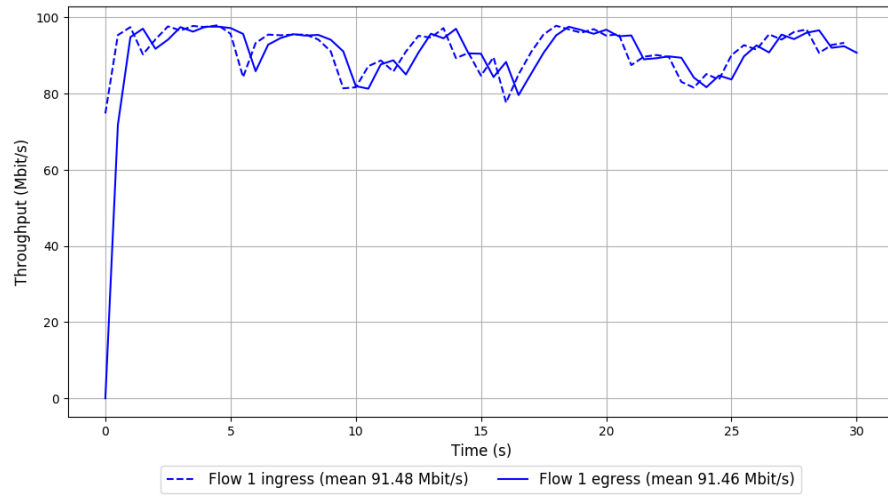


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 14:00:48
End at: 2018-07-10 14:01:18
Local clock offset: 2.671 ms
Remote clock offset: -1.465 ms

Below is generated by plot.py at 2018-07-10 15:45:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 23.200 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 23.200 ms
Loss rate: 0.10%

Run 6: Report of TCP Cubic — Data Link

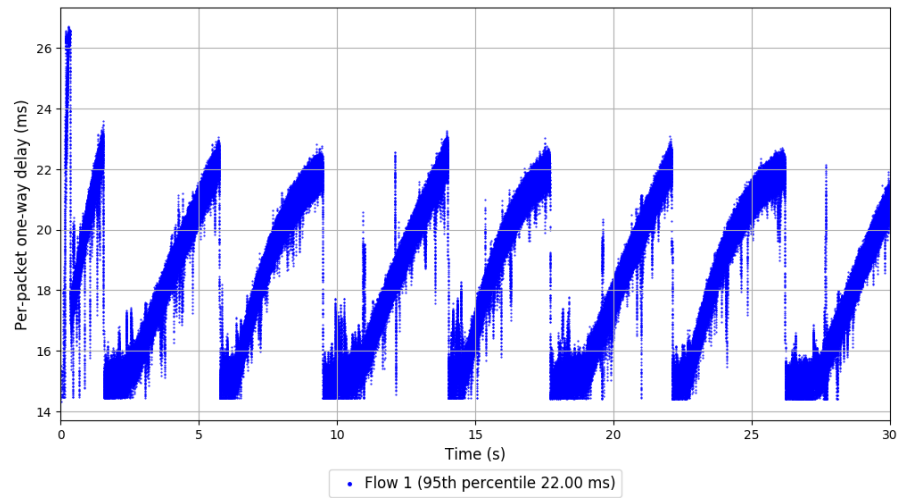
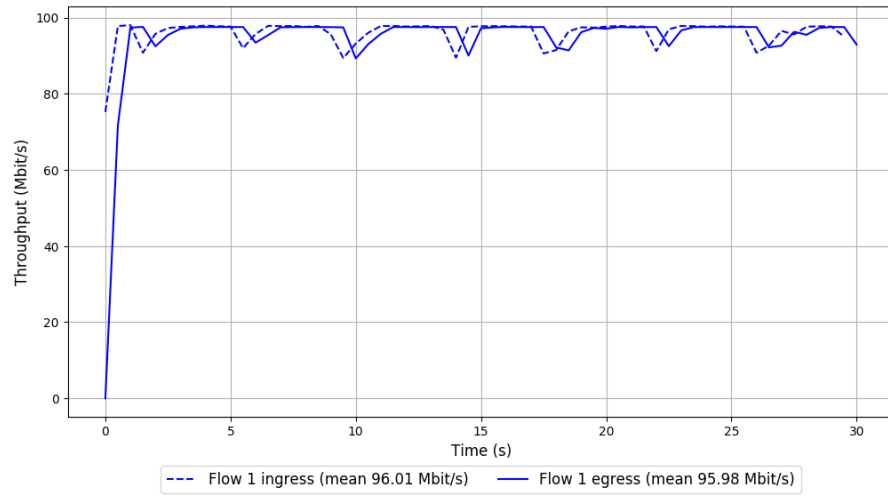


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 14:21:02
End at: 2018-07-10 14:21:32
Local clock offset: 2.78 ms
Remote clock offset: -6.042 ms

Below is generated by plot.py at 2018-07-10 15:45:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 21.996 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 21.996 ms
Loss rate: 0.11%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 14:41:20

End at: 2018-07-10 14:41:50

Local clock offset: -0.083 ms

Remote clock offset: 5.792 ms

Below is generated by plot.py at 2018-07-10 15:45:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 14.416 ms

Loss rate: 0.11%

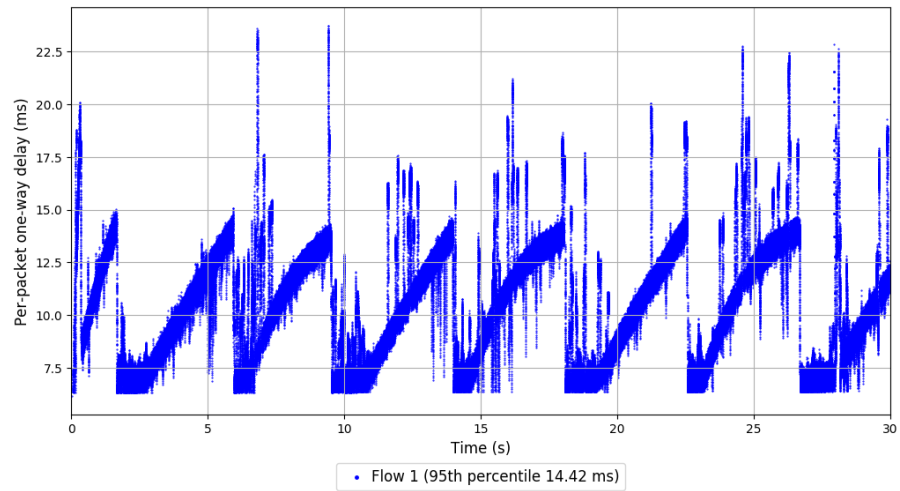
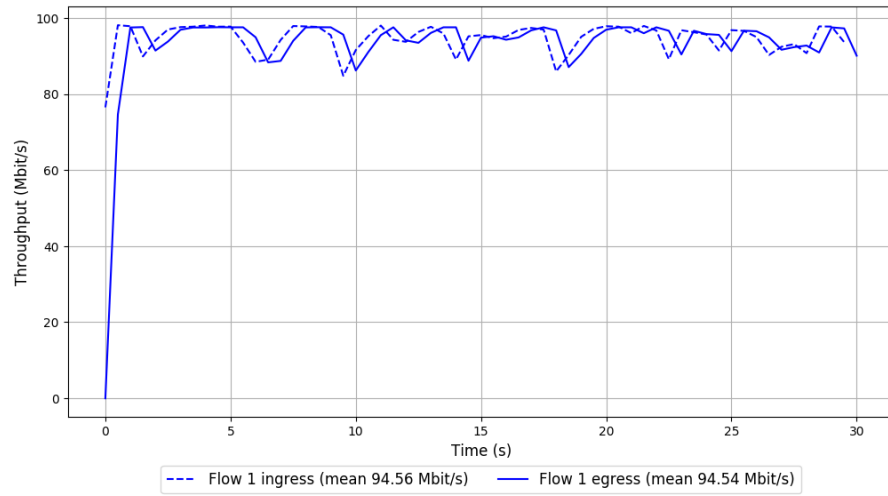
-- Flow 1:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 14.416 ms

Loss rate: 0.11%

Run 8: Report of TCP Cubic — Data Link

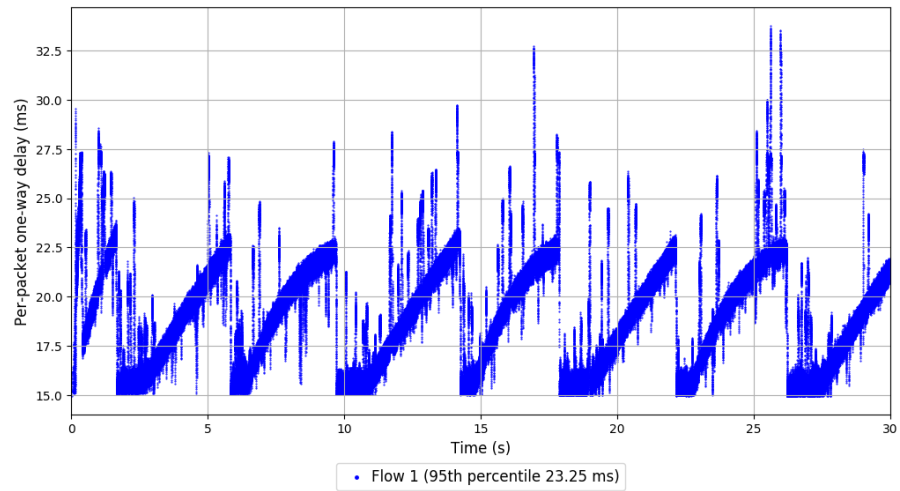
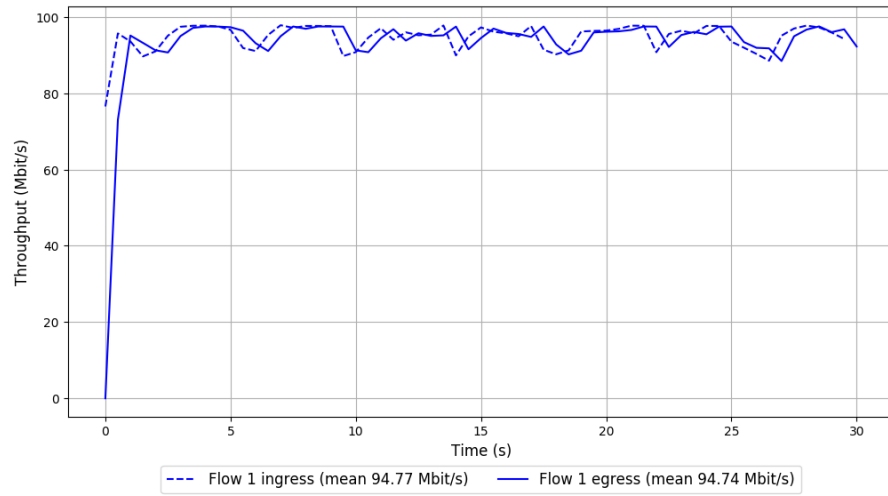


Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 15:01:14
End at: 2018-07-10 15:01:44
Local clock offset: 2.26 ms
Remote clock offset: -1.171 ms

Below is generated by plot.py at 2018-07-10 15:45:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 23.249 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 23.249 ms
Loss rate: 0.11%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 15:21:12

End at: 2018-07-10 15:21:42

Local clock offset: -0.1 ms

Remote clock offset: -4.86 ms

Below is generated by plot.py at 2018-07-10 15:45:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 24.459 ms

Loss rate: 0.10%

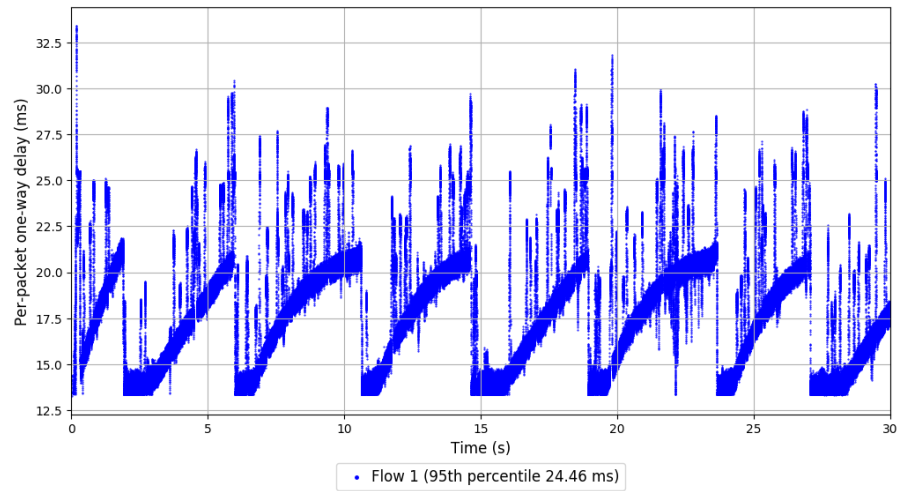
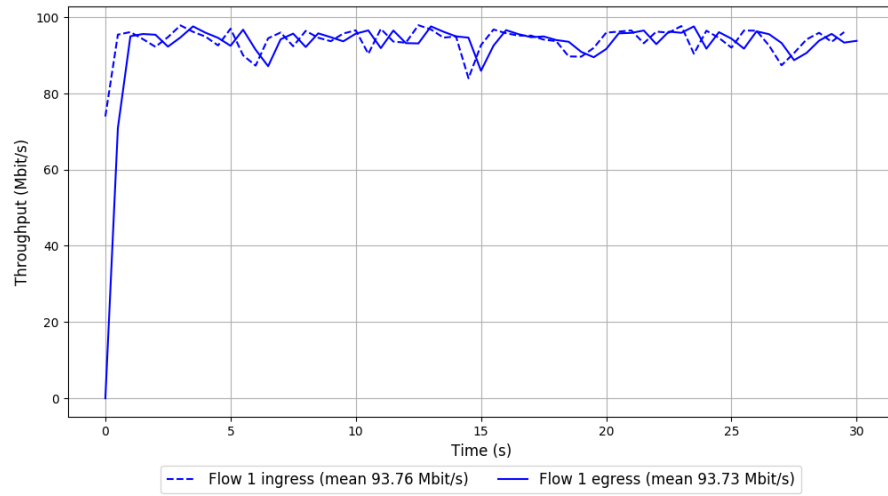
-- Flow 1:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 24.459 ms

Loss rate: 0.10%

Run 10: Report of TCP Cubic — Data Link

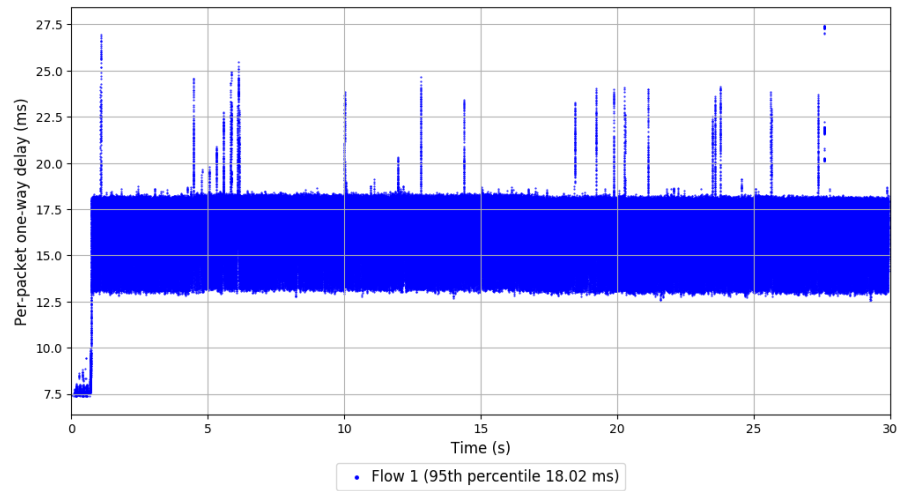
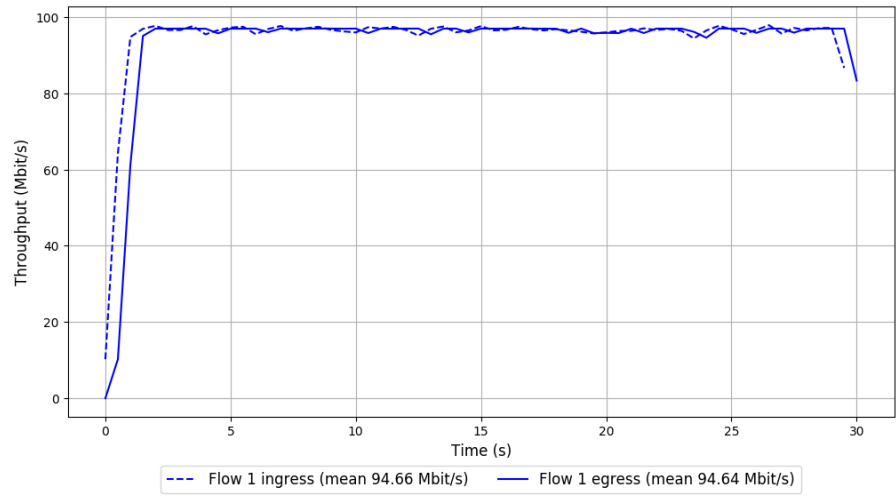


Run 1: Statistics of FillP

Start at: 2018-07-10 12:23:17
End at: 2018-07-10 12:23:47
Local clock offset: -0.331 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2018-07-10 15:46:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 18.020 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 18.020 ms
Loss rate: 0.12%

Run 1: Report of FillP — Data Link

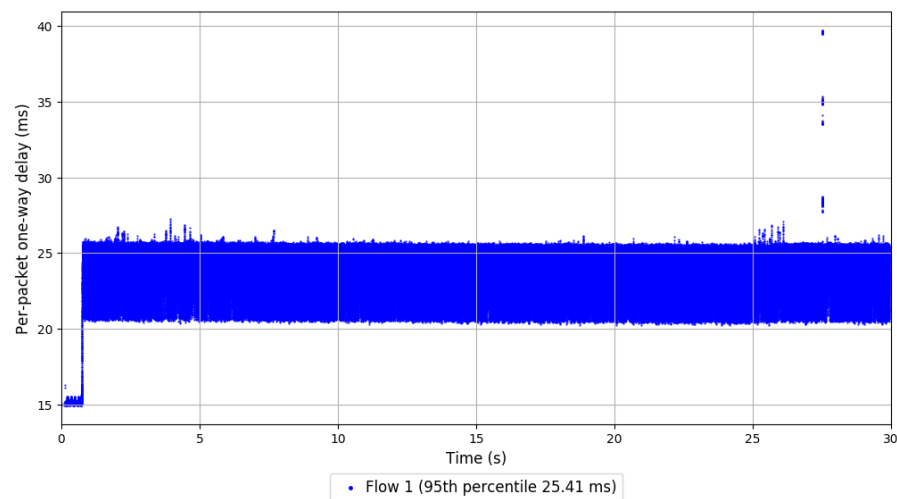
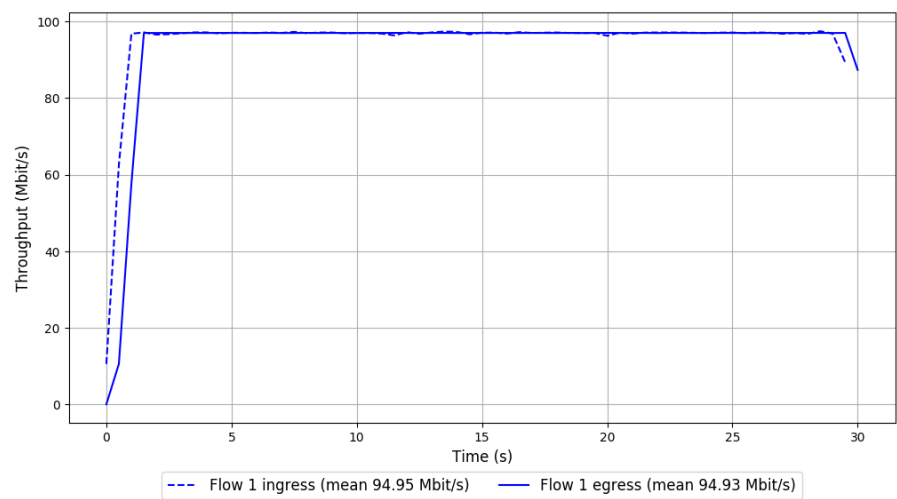


Run 2: Statistics of FillP

Start at: 2018-07-10 12:43:27
End at: 2018-07-10 12:43:57
Local clock offset: 1.979 ms
Remote clock offset: -9.053 ms

Below is generated by plot.py at 2018-07-10 15:47:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 25.408 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 25.408 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

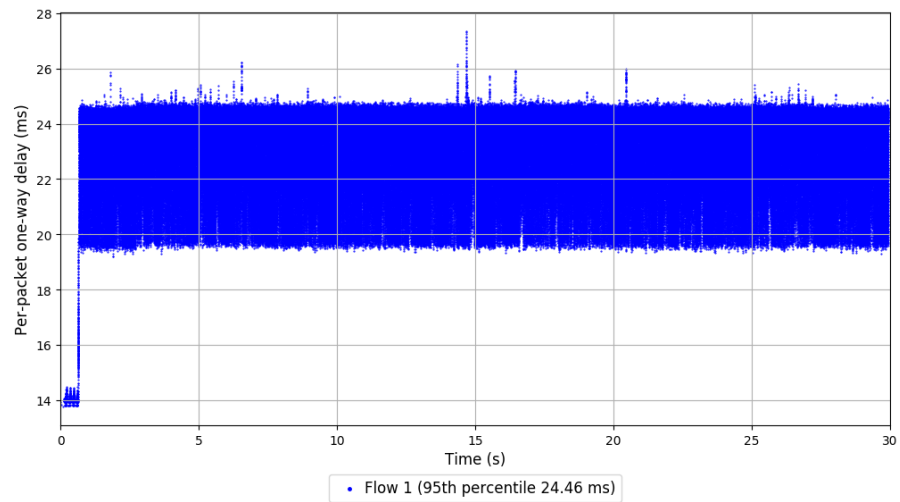
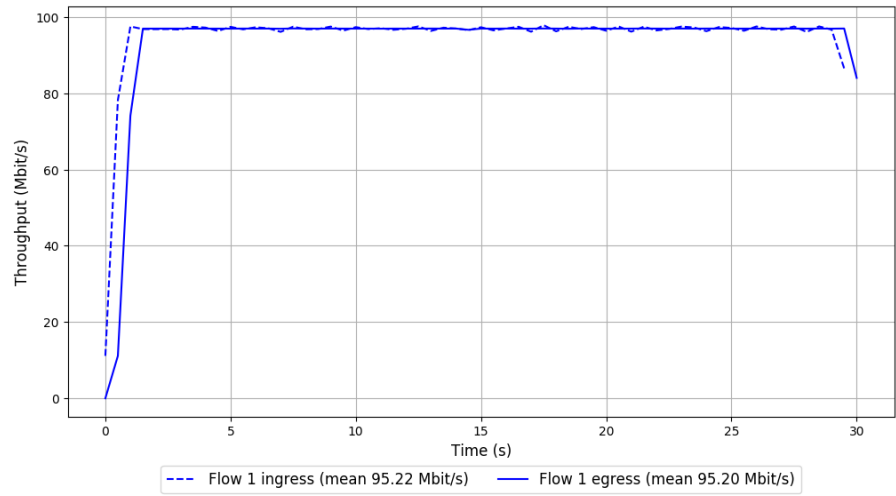


Run 3: Statistics of FillP

Start at: 2018-07-10 13:03:42
End at: 2018-07-10 13:04:12
Local clock offset: 0.088 ms
Remote clock offset: -14.668 ms

Below is generated by plot.py at 2018-07-10 15:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 24.462 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 24.462 ms
Loss rate: 0.12%

Run 3: Report of FillP — Data Link

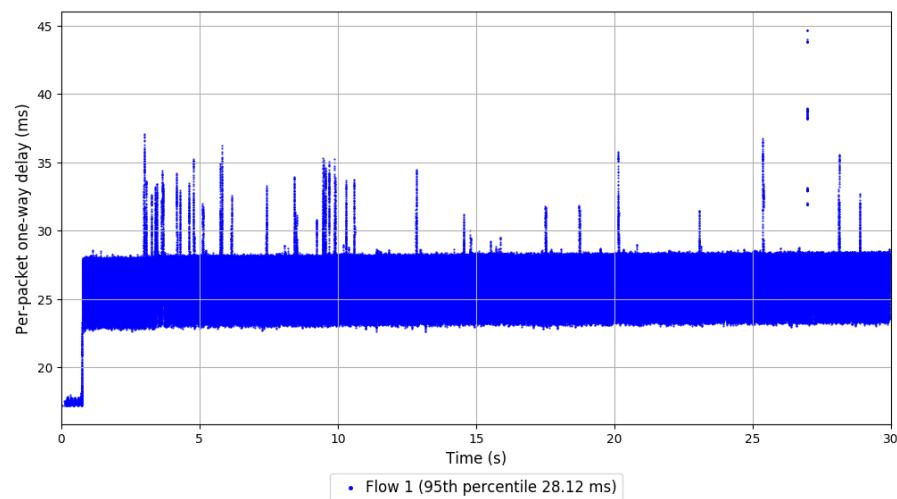
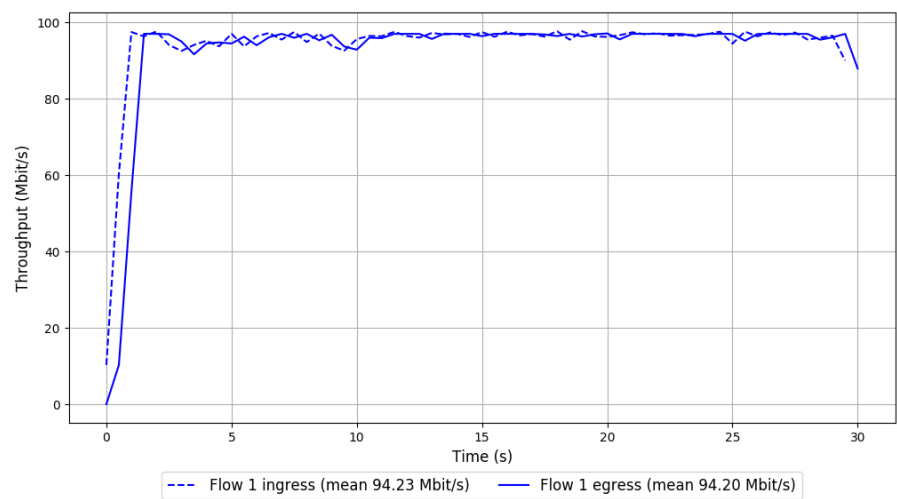


Run 4: Statistics of FillP

Start at: 2018-07-10 13:23:45
End at: 2018-07-10 13:24:15
Local clock offset: 3.043 ms
Remote clock offset: -7.042 ms

Below is generated by plot.py at 2018-07-10 15:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 28.118 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 28.118 ms
Loss rate: 0.12%

Run 4: Report of FillP — Data Link

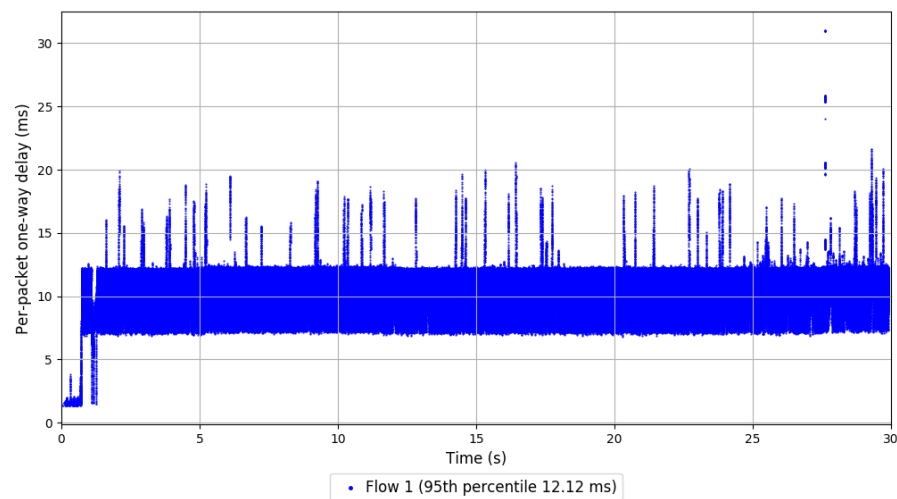
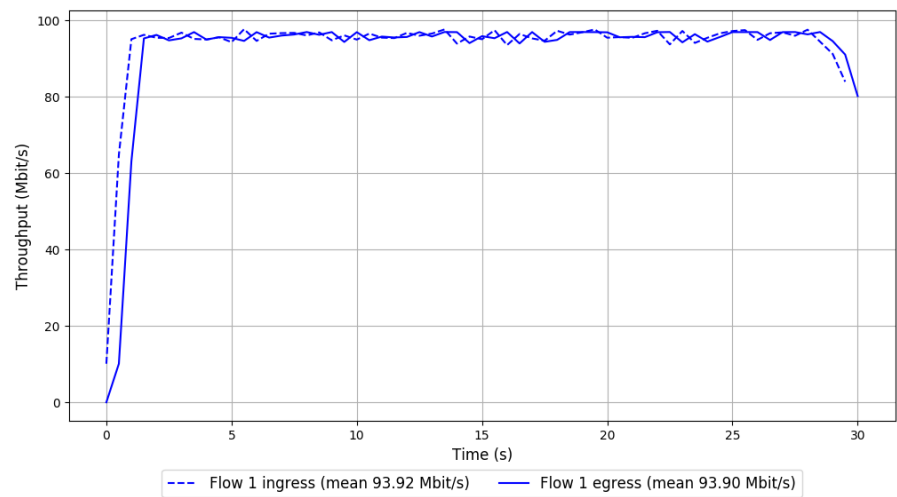


Run 5: Statistics of FillP

Start at: 2018-07-10 13:43:58
End at: 2018-07-10 13:44:28
Local clock offset: 2.716 ms
Remote clock offset: 14.246 ms

Below is generated by plot.py at 2018-07-10 15:47:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 12.124 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 12.124 ms
Loss rate: 0.11%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-10 14:04:14

End at: 2018-07-10 14:04:44

Local clock offset: 0.869 ms

Remote clock offset: 4.81 ms

Below is generated by plot.py at 2018-07-10 15:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 14.090 ms

Loss rate: 0.11%

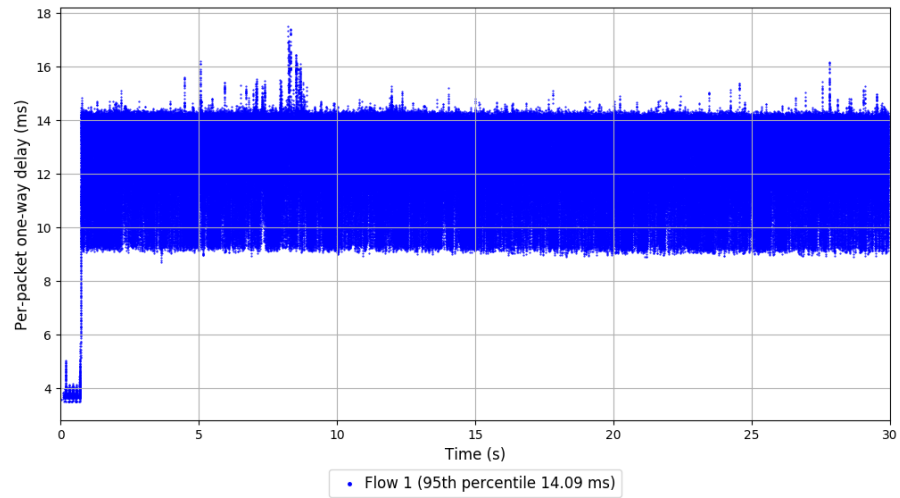
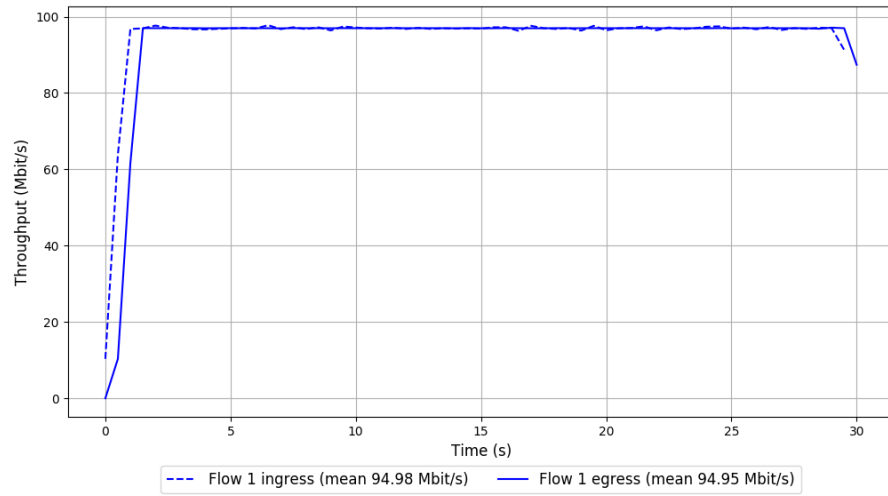
-- Flow 1:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 14.090 ms

Loss rate: 0.11%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-10 14:24:25

End at: 2018-07-10 14:24:55

Local clock offset: -0.854 ms

Remote clock offset: 6.249 ms

Below is generated by plot.py at 2018-07-10 15:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.98 Mbit/s

95th percentile per-packet one-way delay: 12.064 ms

Loss rate: 0.12%

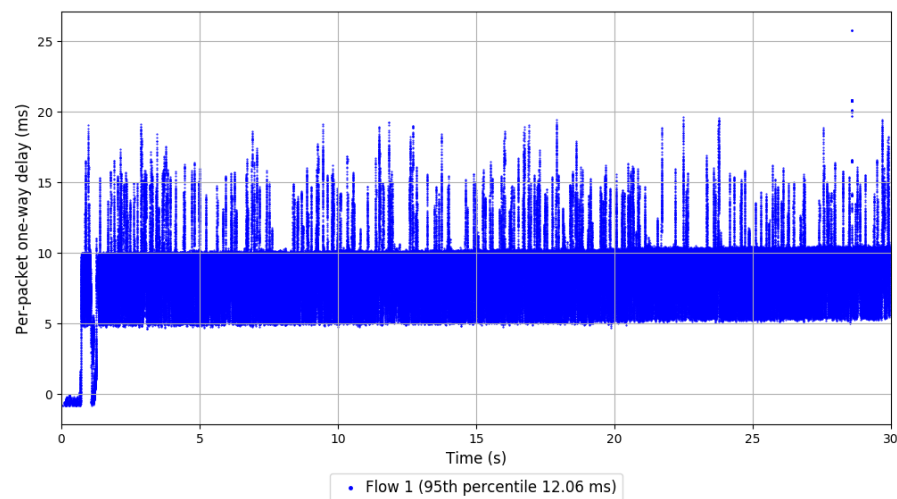
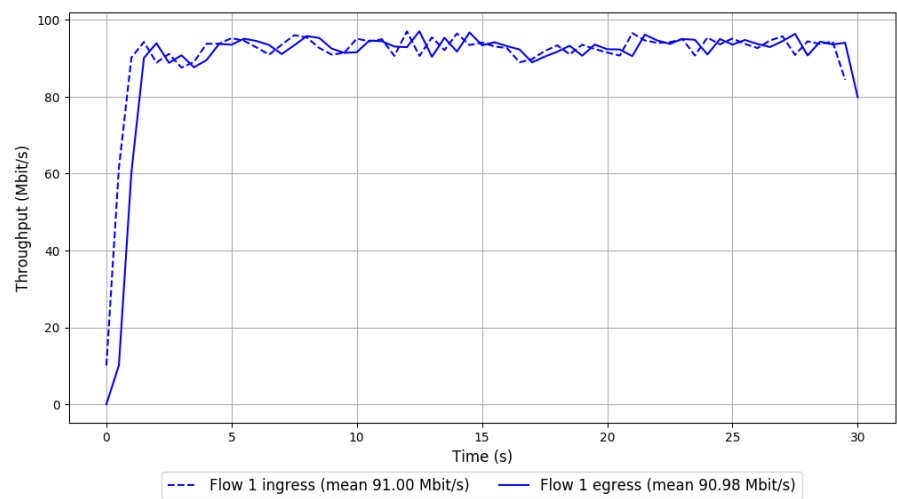
-- Flow 1:

Average throughput: 90.98 Mbit/s

95th percentile per-packet one-way delay: 12.064 ms

Loss rate: 0.12%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-10 14:44:45

End at: 2018-07-10 14:45:15

Local clock offset: 3.4 ms

Remote clock offset: 3.011 ms

Below is generated by plot.py at 2018-07-10 15:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 23.592 ms

Loss rate: 0.12%

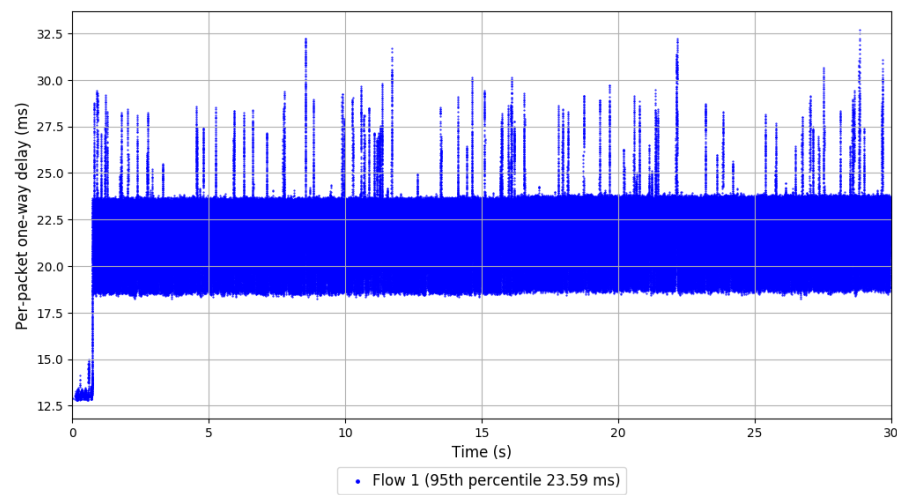
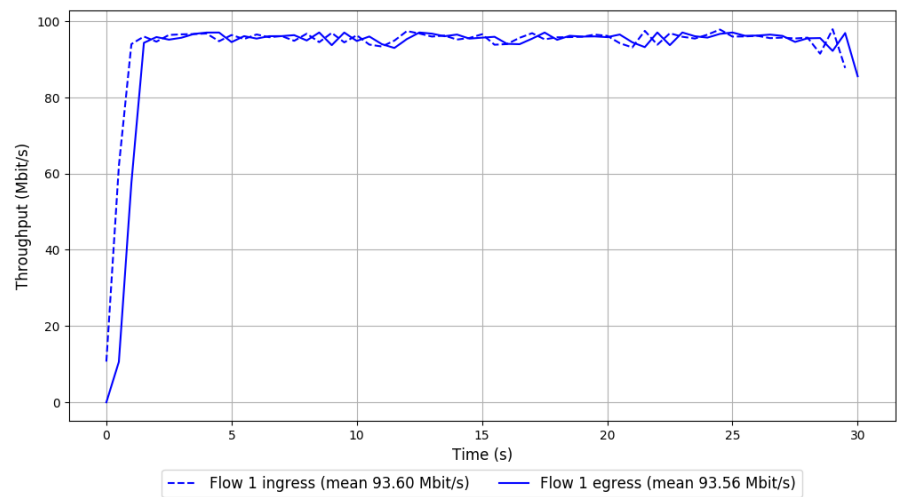
-- Flow 1:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 23.592 ms

Loss rate: 0.12%

Run 8: Report of FillP — Data Link

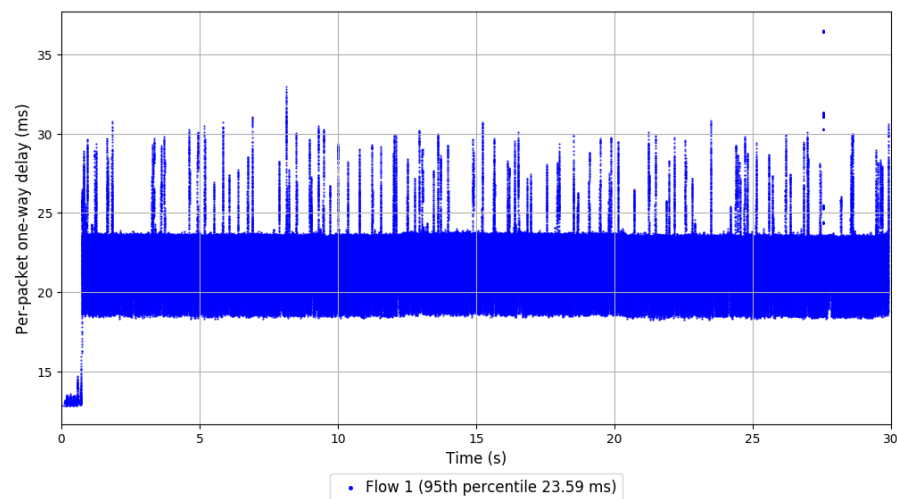
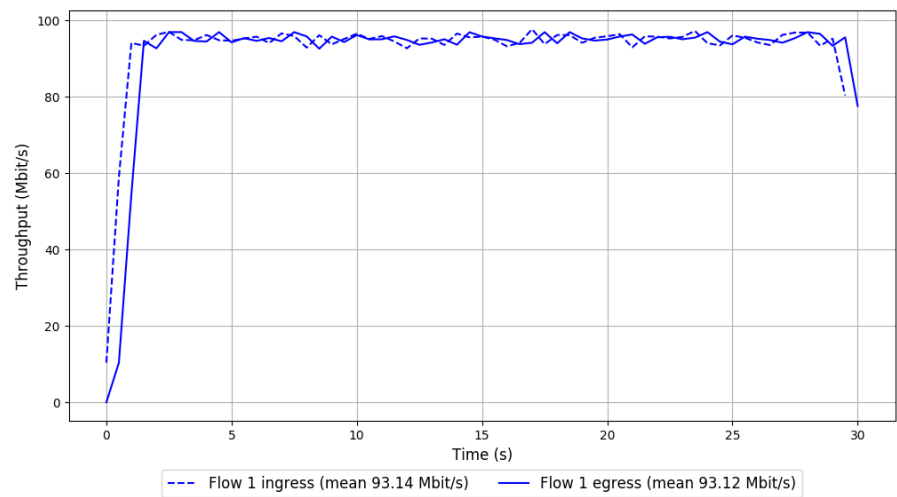


Run 9: Statistics of FillP

Start at: 2018-07-10 15:04:38
End at: 2018-07-10 15:05:08
Local clock offset: 0.895 ms
Remote clock offset: -1.426 ms

Below is generated by plot.py at 2018-07-10 15:48:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 23.595 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 23.595 ms
Loss rate: 0.12%

Run 9: Report of FillP — Data Link

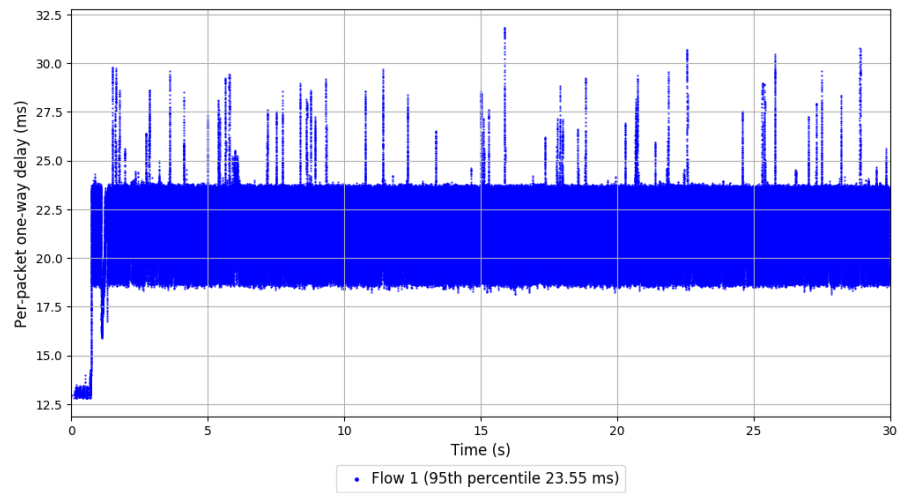
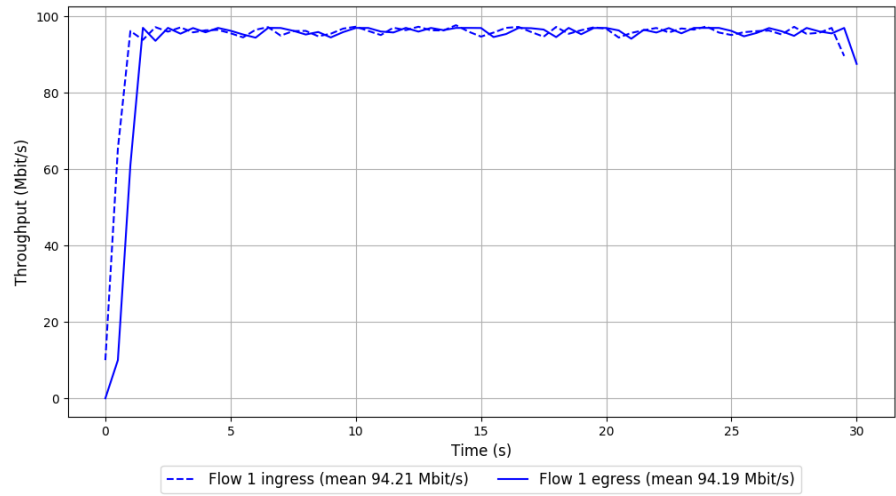


Run 10: Statistics of FillP

Start at: 2018-07-10 15:24:37
End at: 2018-07-10 15:25:07
Local clock offset: -0.248 ms
Remote clock offset: -4.791 ms

Below is generated by plot.py at 2018-07-10 15:48:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 23.550 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 23.550 ms
Loss rate: 0.11%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 12:22:09

End at: 2018-07-10 12:22:39

Local clock offset: 2.295 ms

Remote clock offset: -6.139 ms

Below is generated by plot.py at 2018-07-10 15:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 25.420 ms

Loss rate: 0.12%

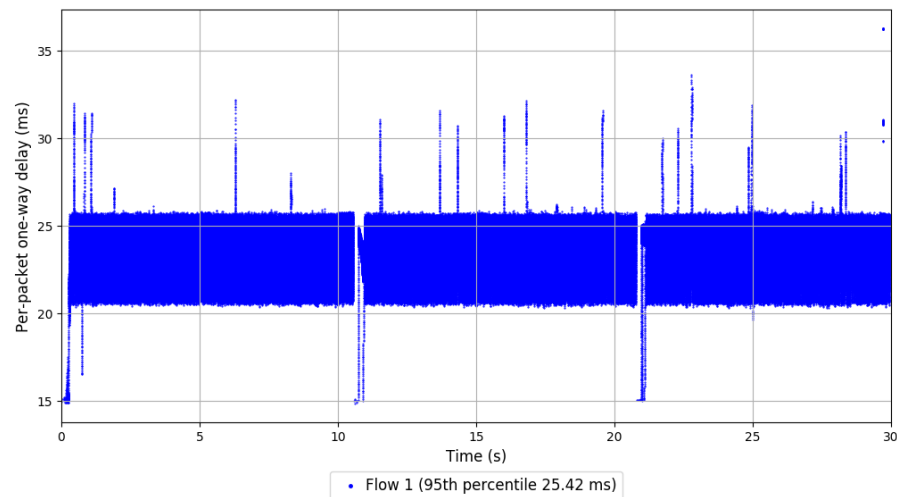
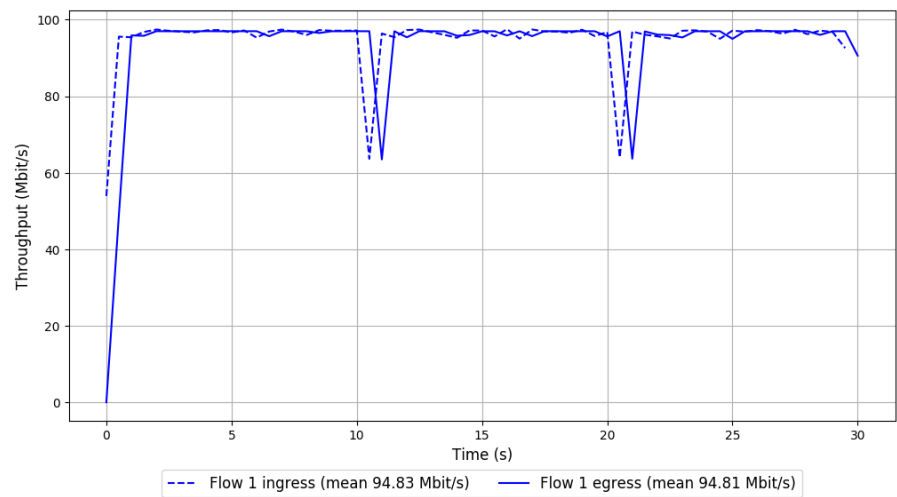
-- Flow 1:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 25.420 ms

Loss rate: 0.12%

Run 1: Report of FillP-Sheep — Data Link

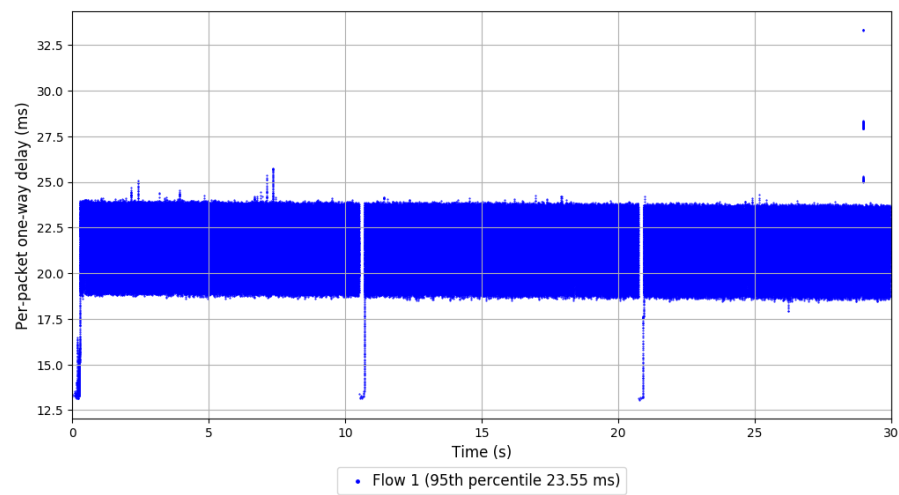
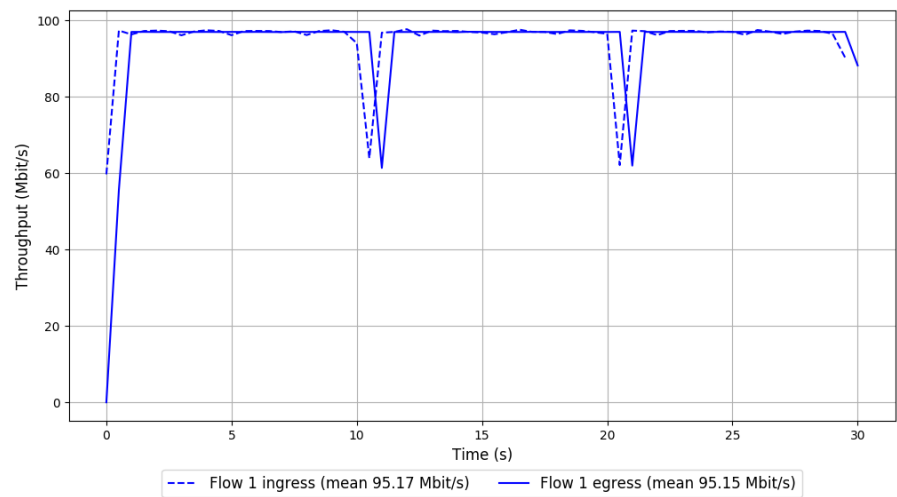


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 12:42:13
End at: 2018-07-10 12:42:43
Local clock offset: 1.165 ms
Remote clock offset: -7.529 ms

Below is generated by plot.py at 2018-07-10 15:48:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 23.554 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 23.554 ms
Loss rate: 0.11%

Run 2: Report of FillP-Sheep — Data Link

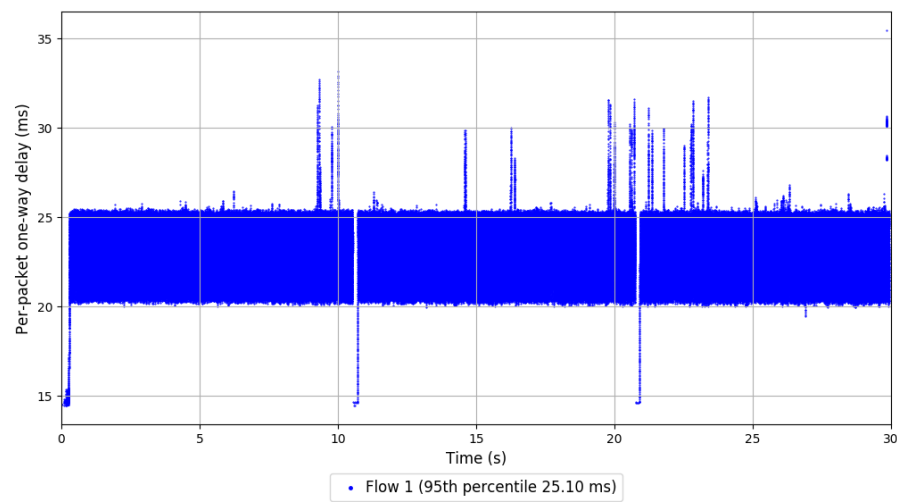
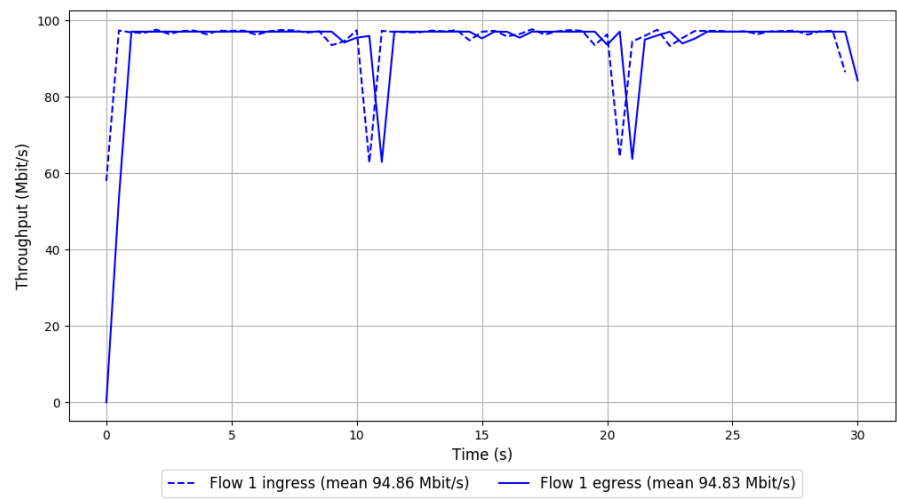


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 13:02:32
End at: 2018-07-10 13:03:02
Local clock offset: -6.303 ms
Remote clock offset: -21.557 ms

Below is generated by plot.py at 2018-07-10 15:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 25.102 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 25.102 ms
Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 13:22:34

End at: 2018-07-10 13:23:04

Local clock offset: -0.621 ms

Remote clock offset: -6.374 ms

Below is generated by plot.py at 2018-07-10 15:48:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 23.010 ms

Loss rate: 0.12%

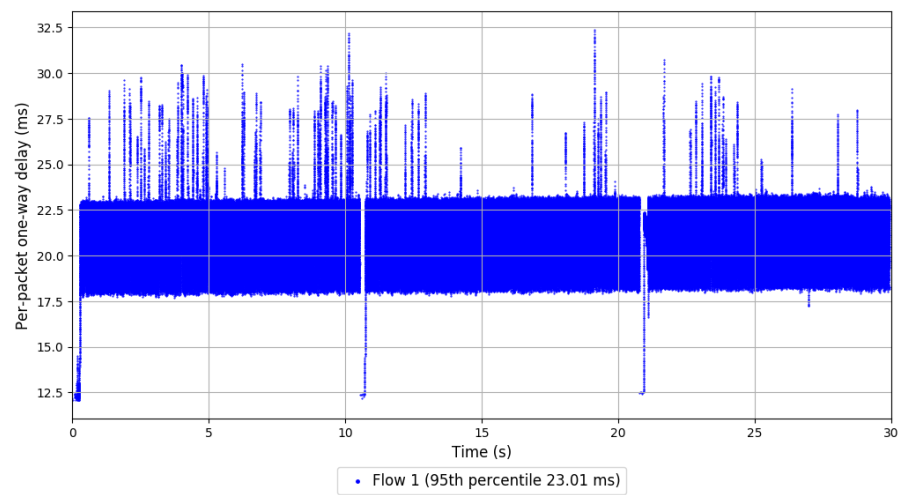
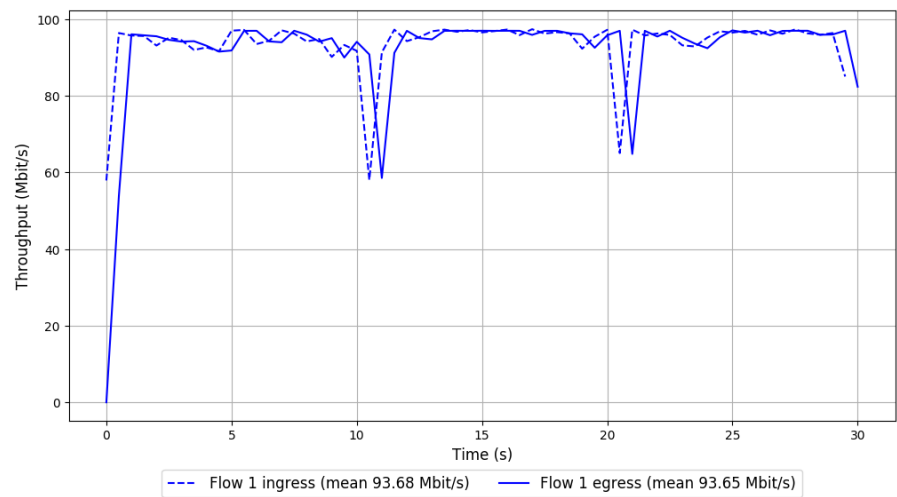
-- Flow 1:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 23.010 ms

Loss rate: 0.12%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 13:42:48

End at: 2018-07-10 13:43:18

Local clock offset: 3.38 ms

Remote clock offset: 11.547 ms

Below is generated by plot.py at 2018-07-10 15:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 15.232 ms

Loss rate: 0.11%

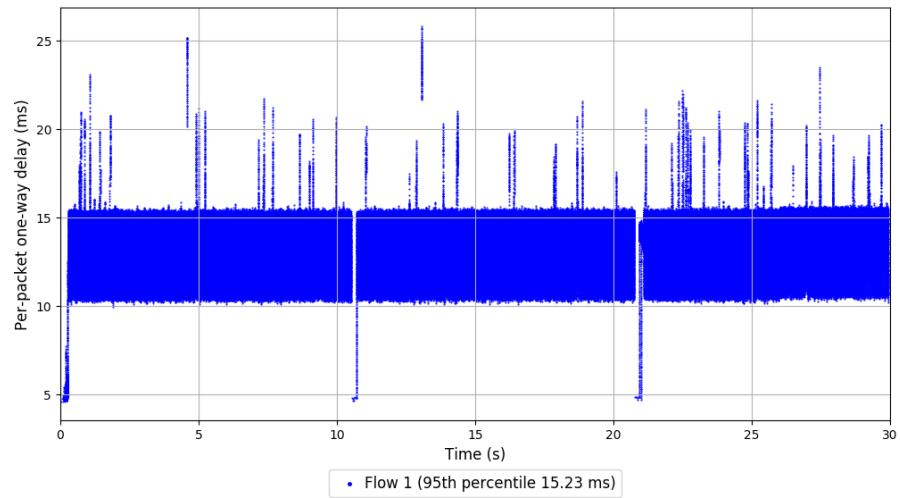
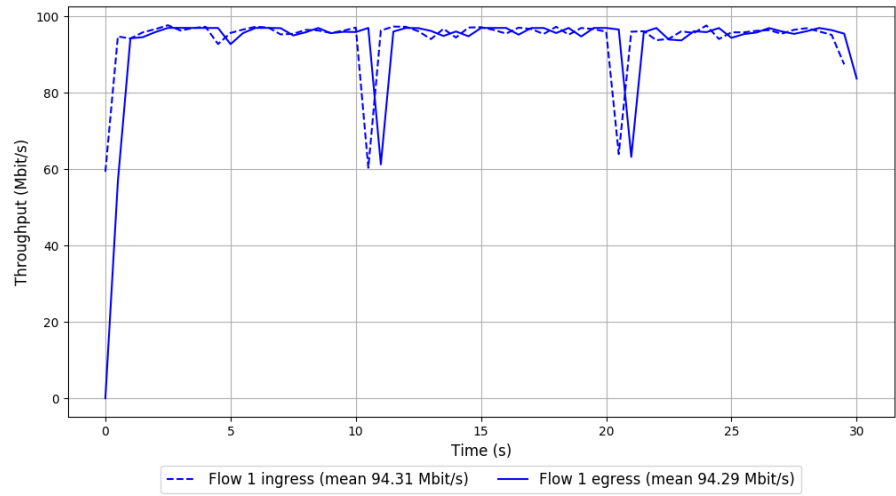
-- Flow 1:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 15.232 ms

Loss rate: 0.11%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 14:03:02

End at: 2018-07-10 14:03:32

Local clock offset: -2.403 ms

Remote clock offset: -4.064 ms

Below is generated by plot.py at 2018-07-10 15:48:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 19.979 ms

Loss rate: 0.11%

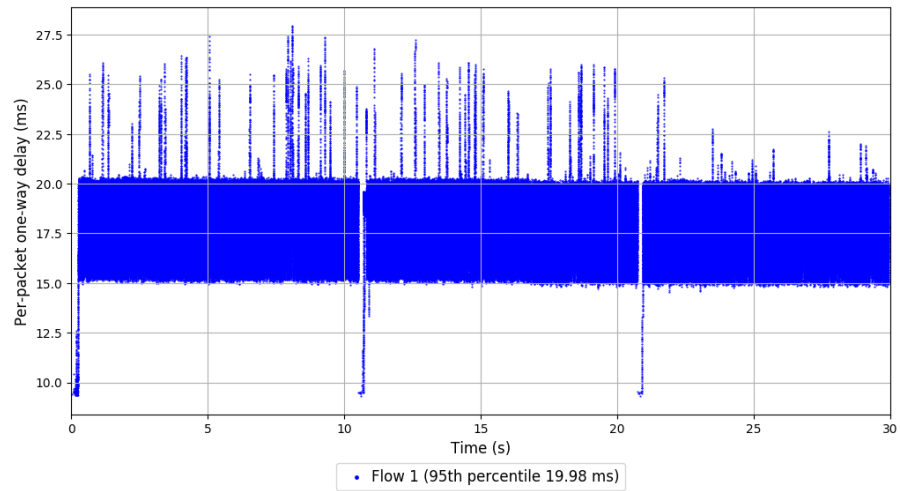
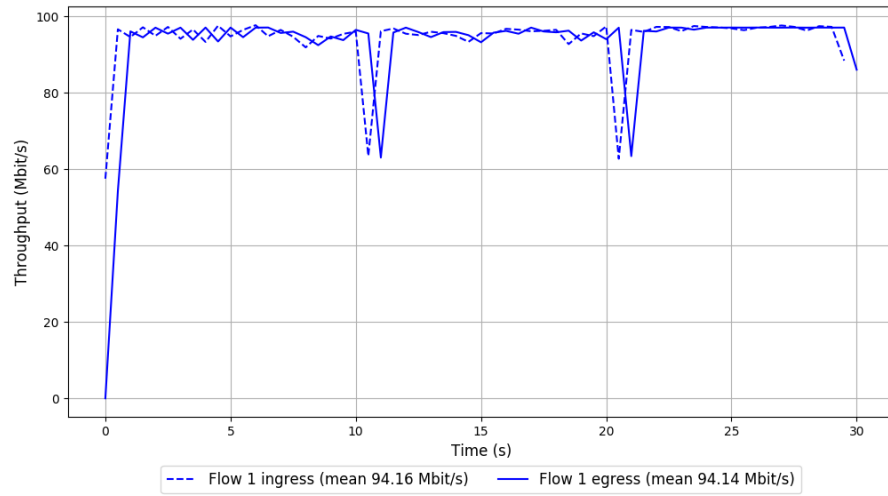
-- Flow 1:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 19.979 ms

Loss rate: 0.11%

Run 6: Report of FillP-Sheep — Data Link

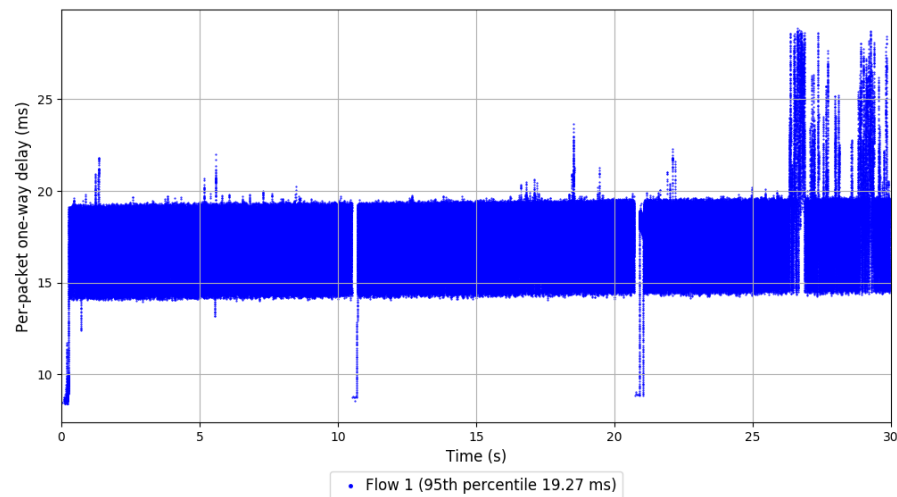
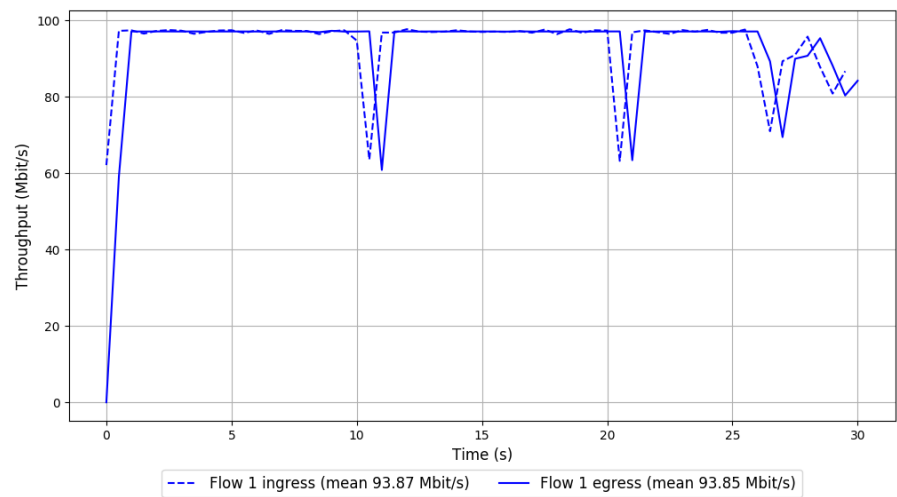


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 14:23:16
End at: 2018-07-10 14:23:46
Local clock offset: 2.374 ms
Remote clock offset: -0.673 ms

Below is generated by plot.py at 2018-07-10 15:49:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.11%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 14:43:34

End at: 2018-07-10 14:44:04

Local clock offset: -0.306 ms

Remote clock offset: 4.424 ms

Below is generated by plot.py at 2018-07-10 15:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.86 Mbit/s

95th percentile per-packet one-way delay: 18.316 ms

Loss rate: 0.11%

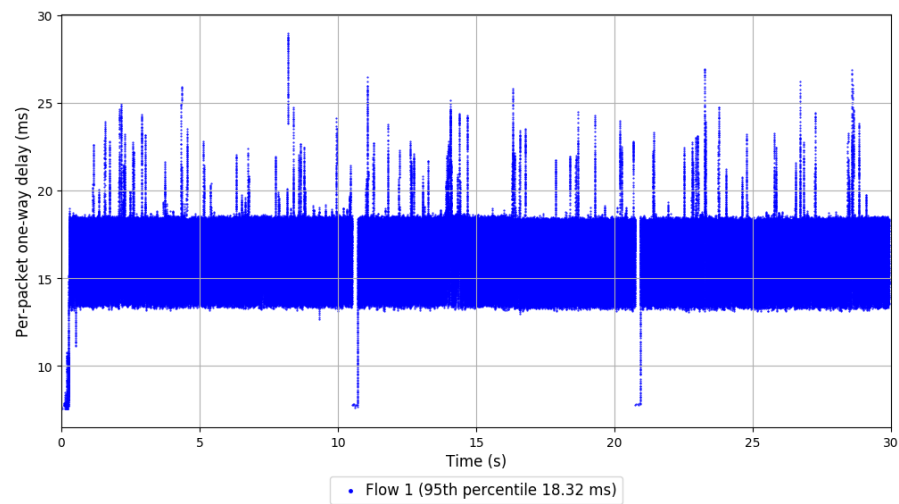
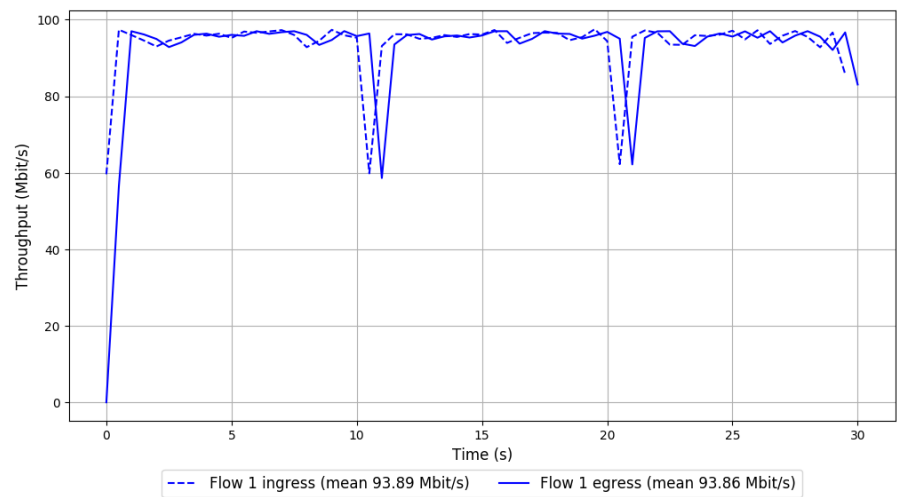
-- Flow 1:

Average throughput: 93.86 Mbit/s

95th percentile per-packet one-way delay: 18.316 ms

Loss rate: 0.11%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 15:03:28

End at: 2018-07-10 15:03:58

Local clock offset: 0.807 ms

Remote clock offset: -1.085 ms

Below is generated by plot.py at 2018-07-10 15:50:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 23.366 ms

Loss rate: 0.12%

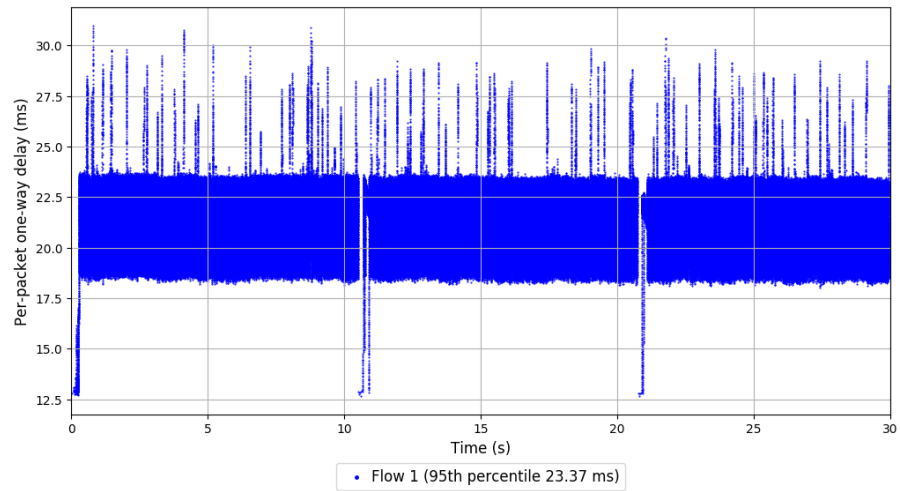
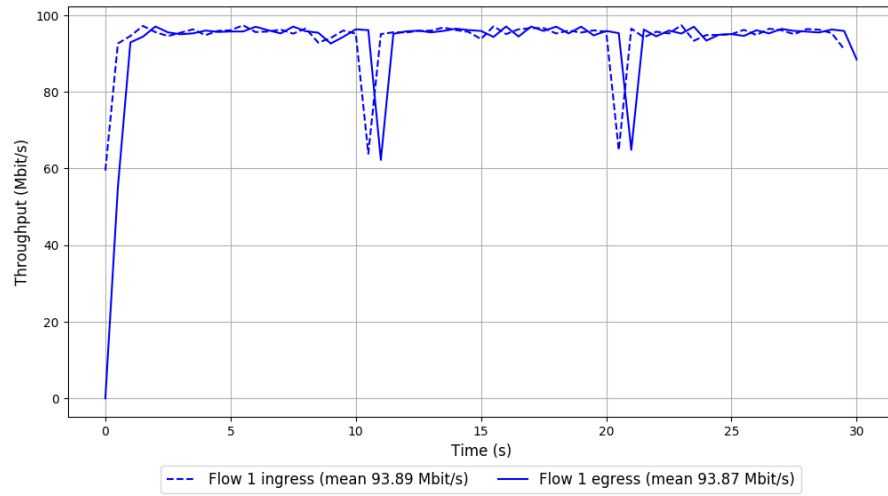
-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 23.366 ms

Loss rate: 0.12%

Run 9: Report of FillP-Sheep — Data Link

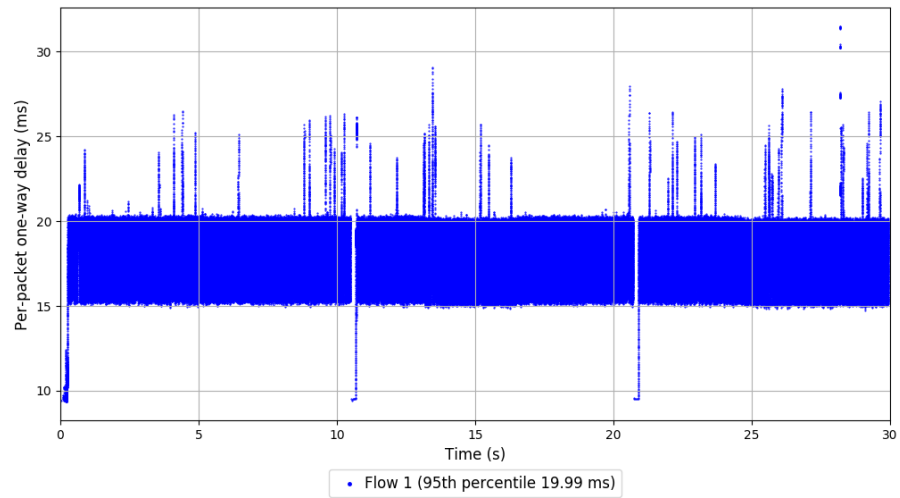
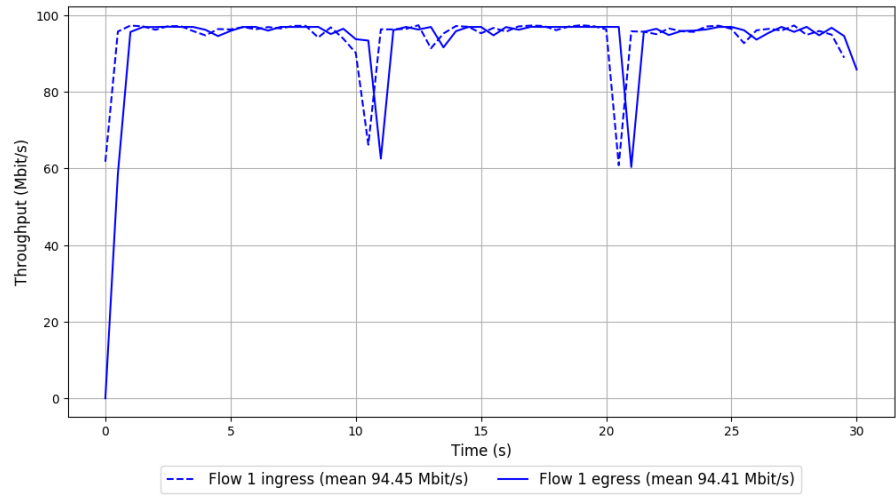


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 15:23:29
End at: 2018-07-10 15:23:59
Local clock offset: -3.358 ms
Remote clock offset: -4.372 ms

Below is generated by plot.py at 2018-07-10 15:50:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 19.992 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 19.992 ms
Loss rate: 0.11%

Run 10: Report of FillP-Sheep — Data Link

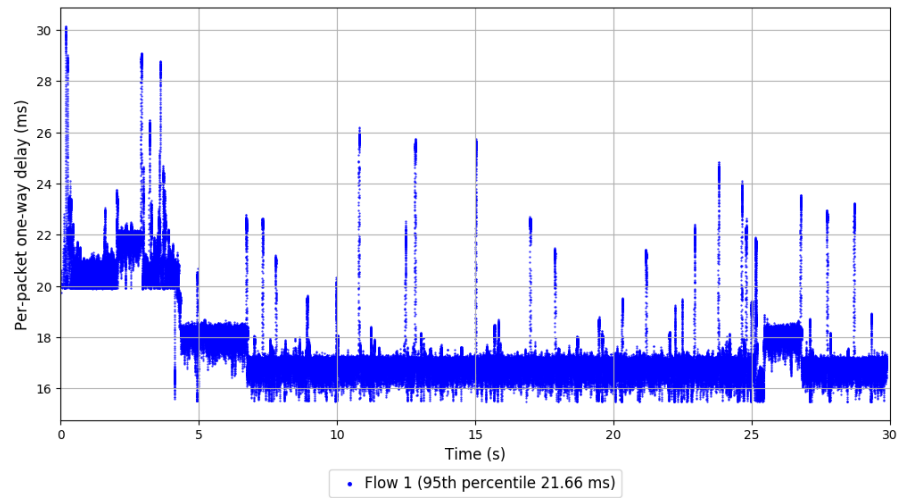
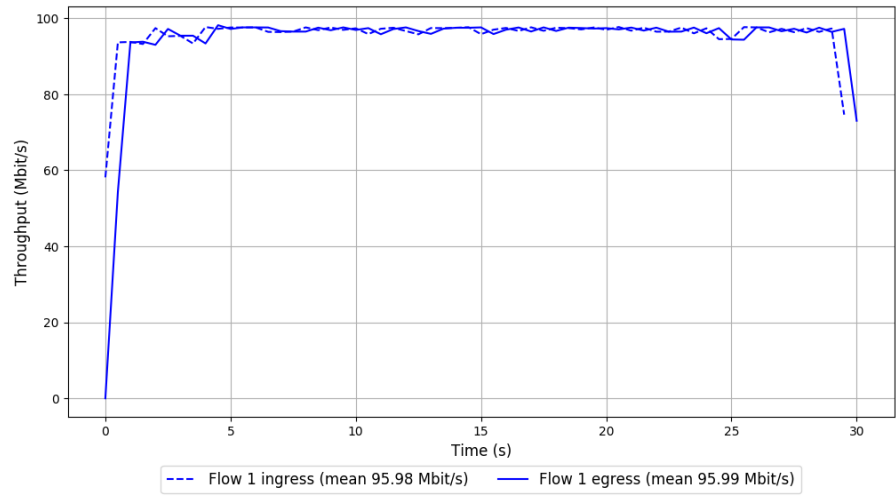


```
Run 1: Statistics of Indigo

Start at: 2018-07-10 12:30:20
End at: 2018-07-10 12:30:50
Local clock offset: 2.595 ms
Remote clock offset: -6.96 ms

# Below is generated by plot.py at 2018-07-10 15:50:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 21.656 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 21.656 ms
Loss rate: 0.09%
```

Run 1: Report of Indigo — Data Link

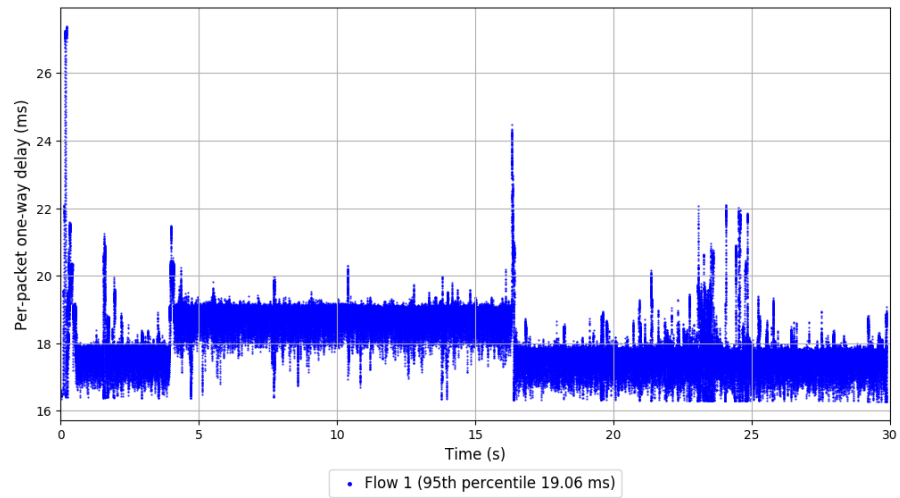
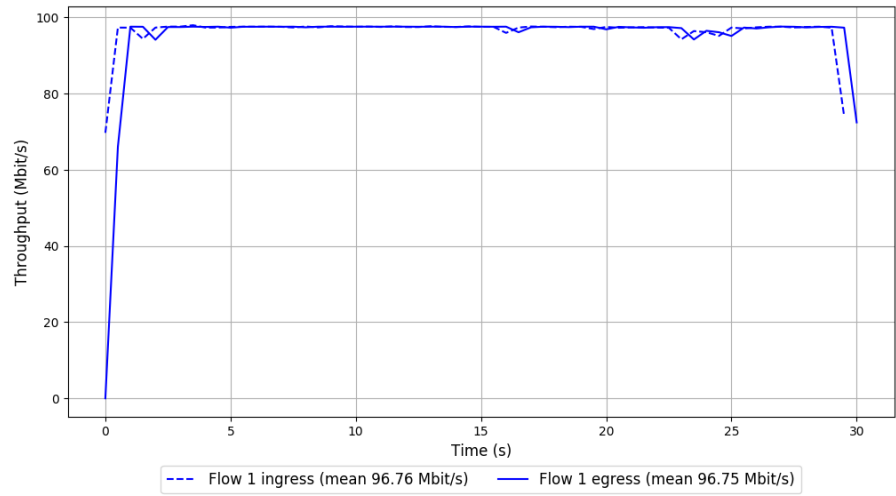


Run 2: Statistics of Indigo

Start at: 2018-07-10 12:50:39
End at: 2018-07-10 12:51:09
Local clock offset: -0.183 ms
Remote clock offset: -14.964 ms

Below is generated by plot.py at 2018-07-10 15:50:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.09%

Run 2: Report of Indigo — Data Link

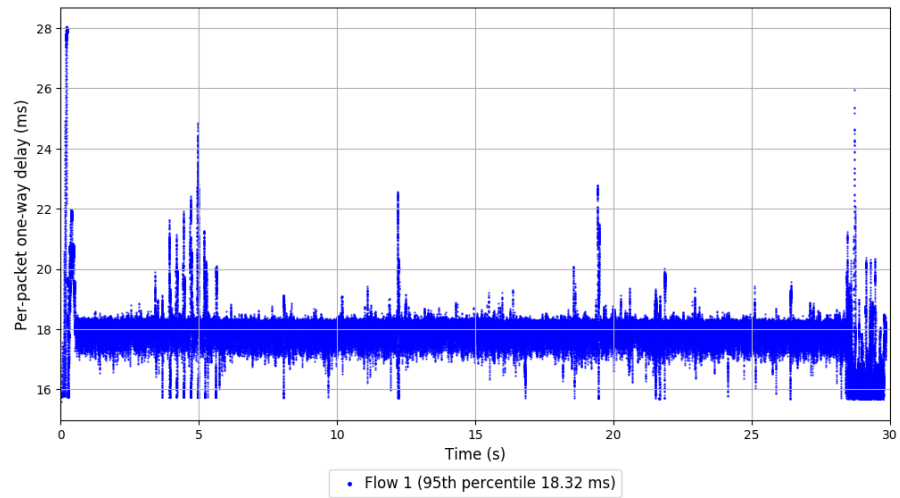
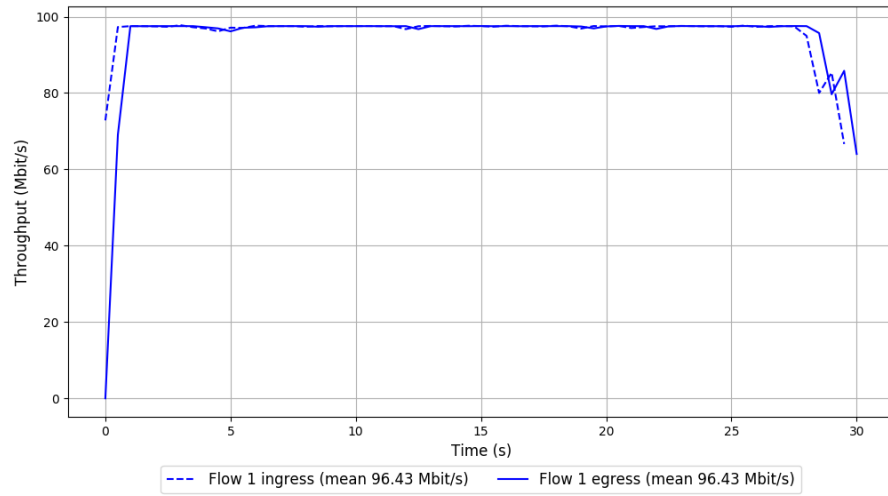


Run 3: Statistics of Indigo

Start at: 2018-07-10 13:10:45
End at: 2018-07-10 13:11:15
Local clock offset: 2.356 ms
Remote clock offset: -15.107 ms

Below is generated by plot.py at 2018-07-10 15:50:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 0.09%

Run 3: Report of Indigo — Data Link

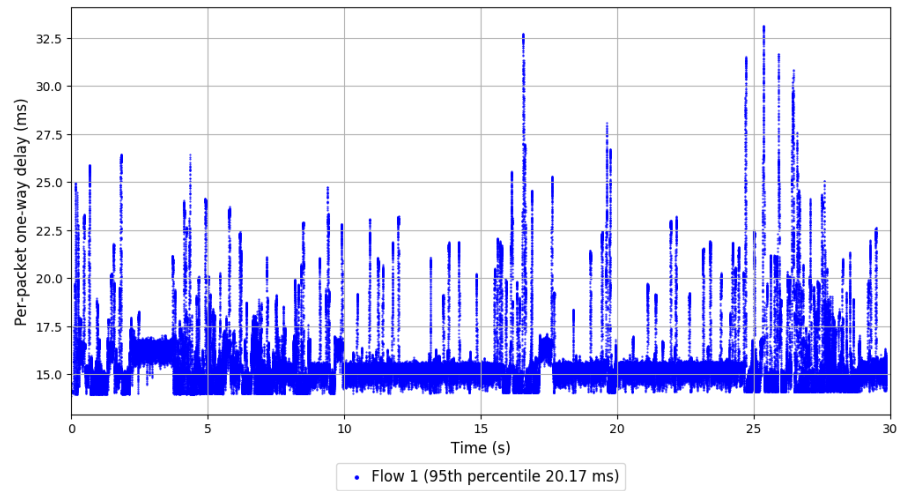
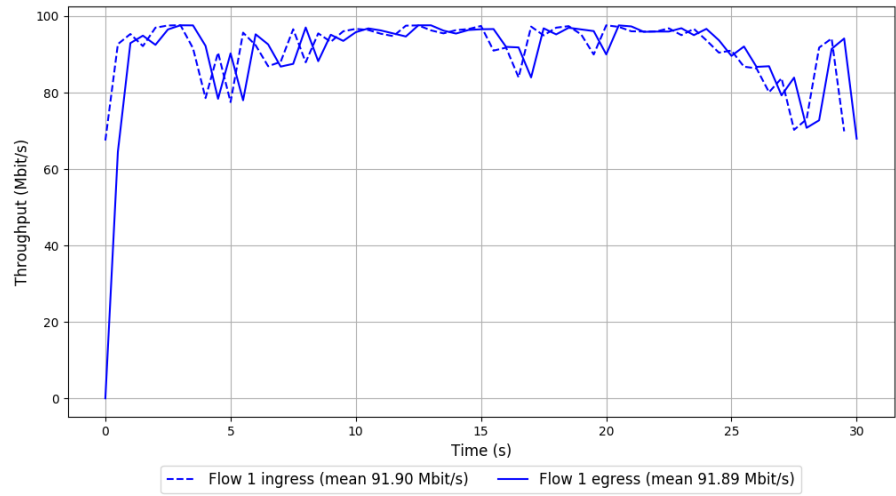


Run 4: Statistics of Indigo

Start at: 2018-07-10 13:30:44
End at: 2018-07-10 13:31:14
Local clock offset: 0.147 ms
Remote clock offset: -3.333 ms

Below is generated by plot.py at 2018-07-10 15:50:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.09%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-10 13:51:06

End at: 2018-07-10 13:51:37

Local clock offset: -0.444 ms

Remote clock offset: 9.474 ms

Below is generated by plot.py at 2018-07-10 15:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 7.958 ms

Loss rate: 0.08%

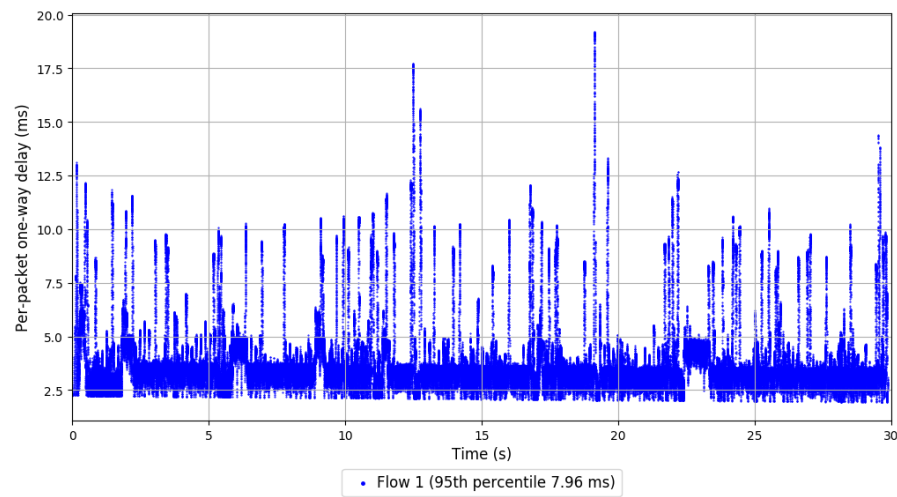
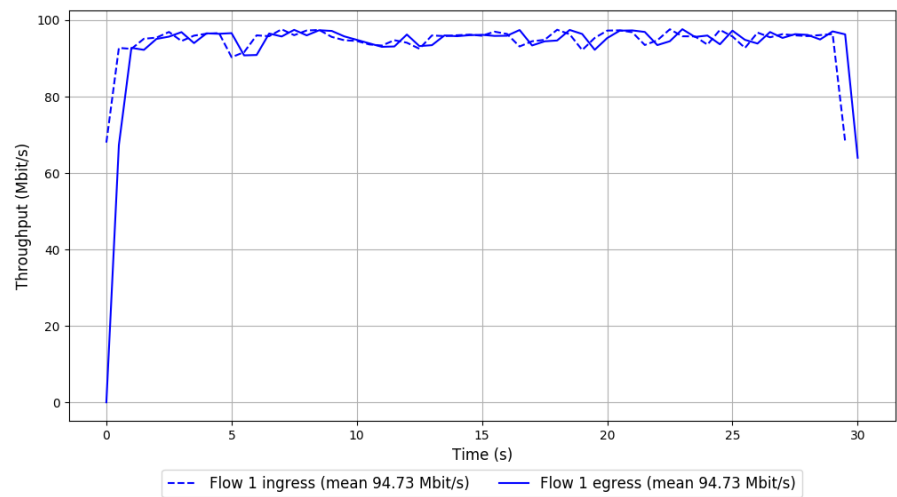
-- Flow 1:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 7.958 ms

Loss rate: 0.08%

Run 5: Report of Indigo — Data Link

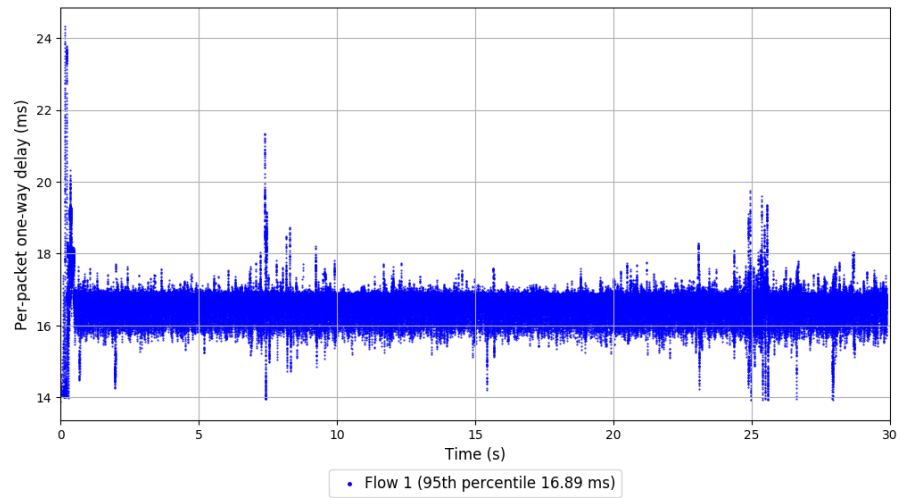
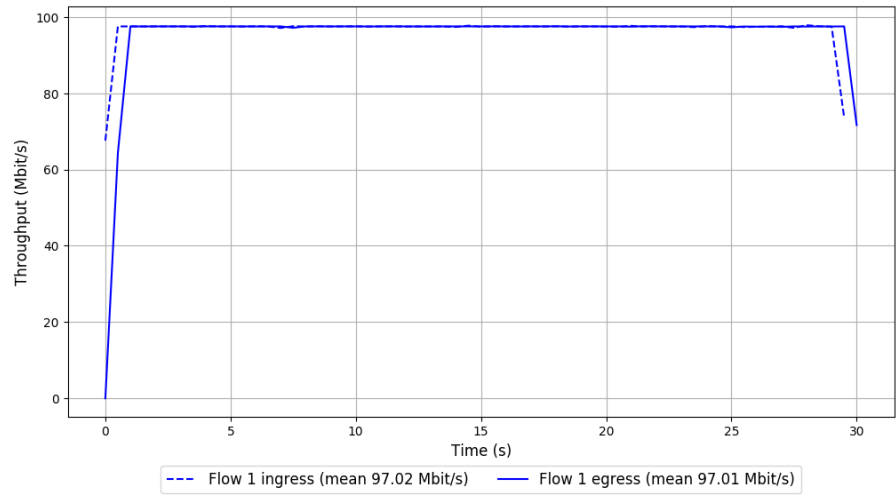


Run 6: Statistics of Indigo

Start at: 2018-07-10 14:11:14
End at: 2018-07-10 14:11:44
Local clock offset: 1.385 ms
Remote clock offset: -6.013 ms

Below is generated by plot.py at 2018-07-10 15:51:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 16.885 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 16.885 ms
Loss rate: 0.09%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-10 14:31:33

End at: 2018-07-10 14:32:03

Local clock offset: 0.843 ms

Remote clock offset: 0.842 ms

Below is generated by plot.py at 2018-07-10 15:51:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 12.901 ms

Loss rate: 0.09%

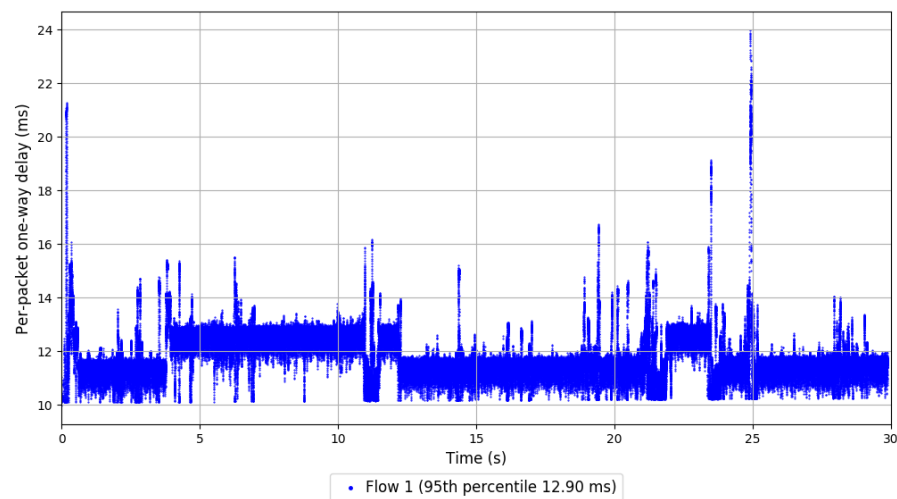
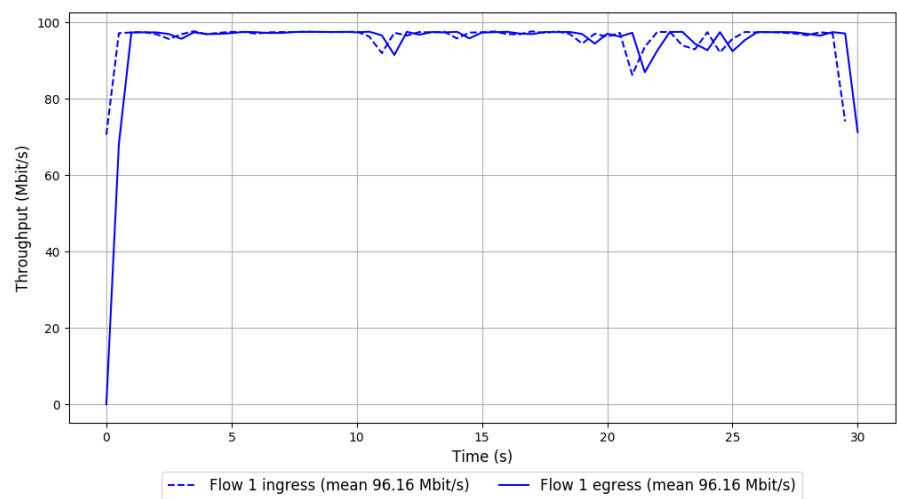
-- Flow 1:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 12.901 ms

Loss rate: 0.09%

Run 7: Report of Indigo — Data Link

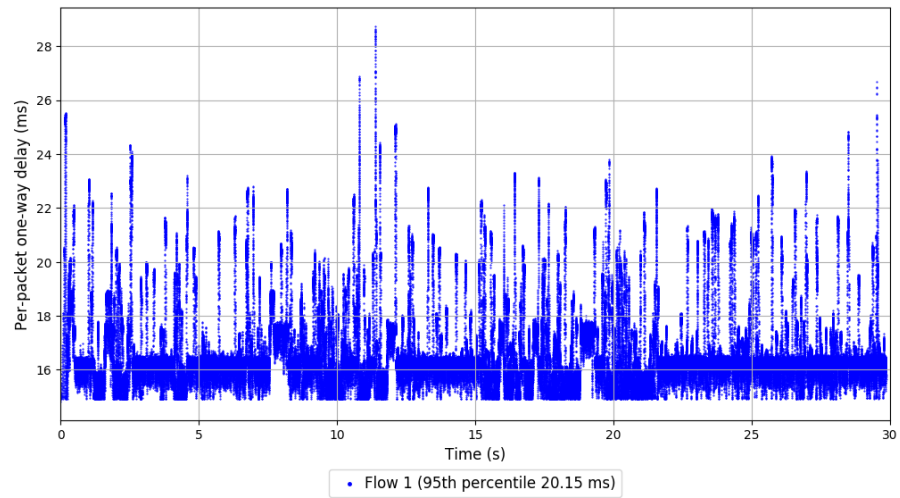
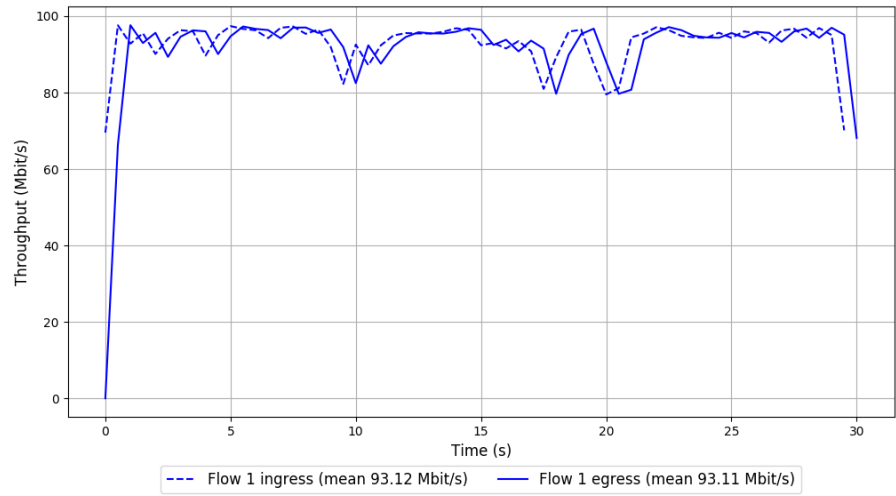


Run 8: Statistics of Indigo

Start at: 2018-07-10 14:51:42
End at: 2018-07-10 14:52:12
Local clock offset: 0.903 ms
Remote clock offset: -0.915 ms

Below is generated by plot.py at 2018-07-10 15:51:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 20.154 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 20.154 ms
Loss rate: 0.09%

Run 8: Report of Indigo — Data Link

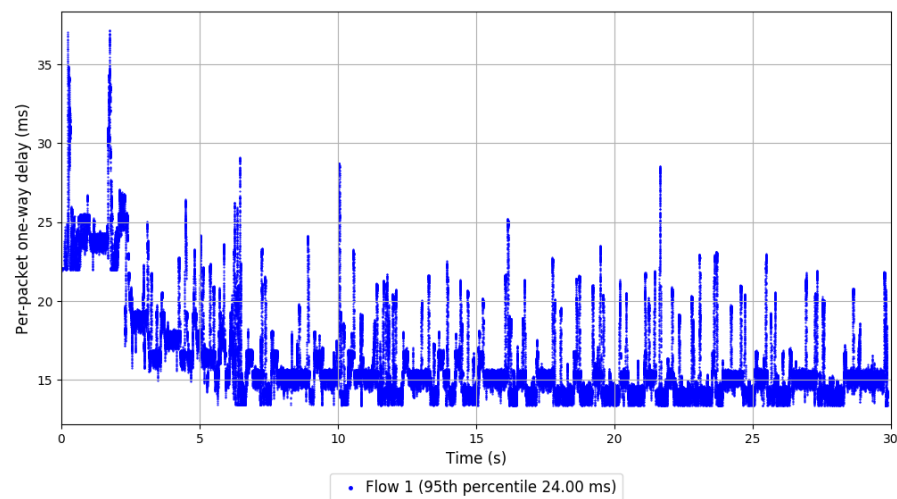
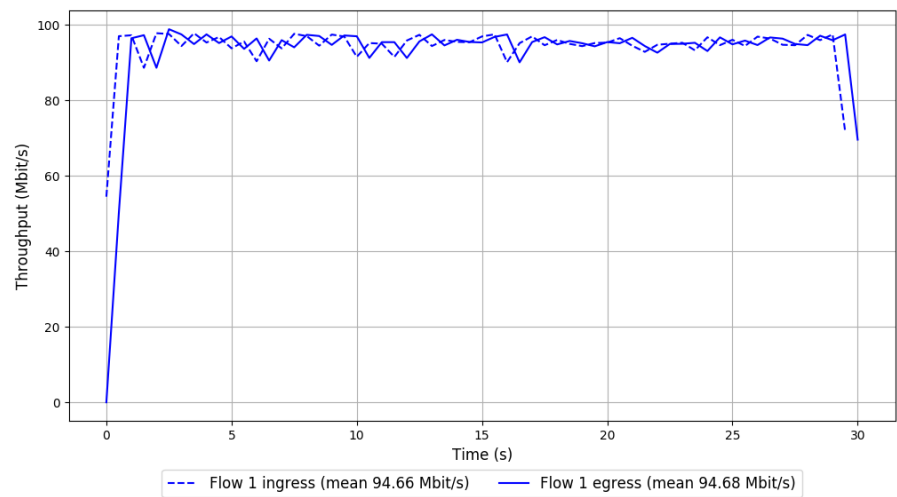


Run 9: Statistics of Indigo

Start at: 2018-07-10 15:11:35
End at: 2018-07-10 15:12:05
Local clock offset: -1.019 ms
Remote clock offset: -3.645 ms

Below is generated by plot.py at 2018-07-10 15:51:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 24.005 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 24.005 ms
Loss rate: 0.09%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-10 15:31:42

End at: 2018-07-10 15:32:12

Local clock offset: 3.146 ms

Remote clock offset: -5.444 ms

Below is generated by plot.py at 2018-07-10 15:51:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 21.116 ms

Loss rate: 0.09%

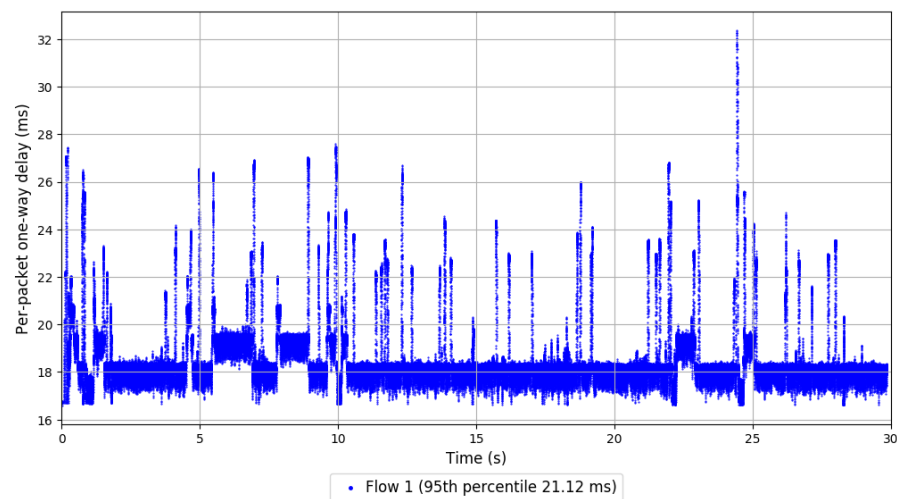
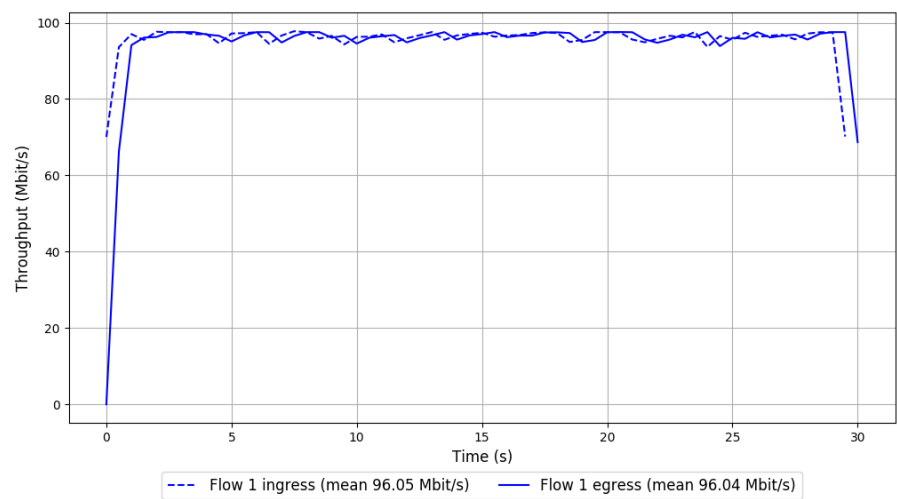
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 21.116 ms

Loss rate: 0.09%

Run 10: Report of Indigo — Data Link

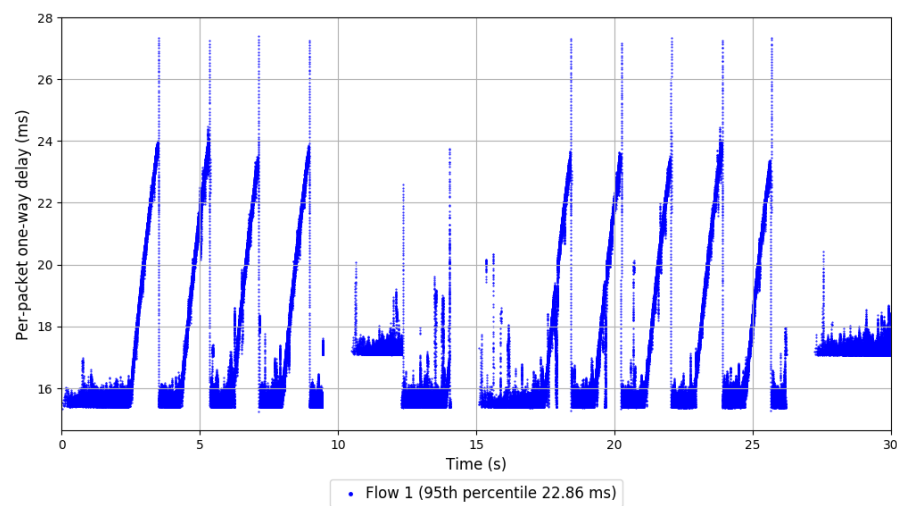
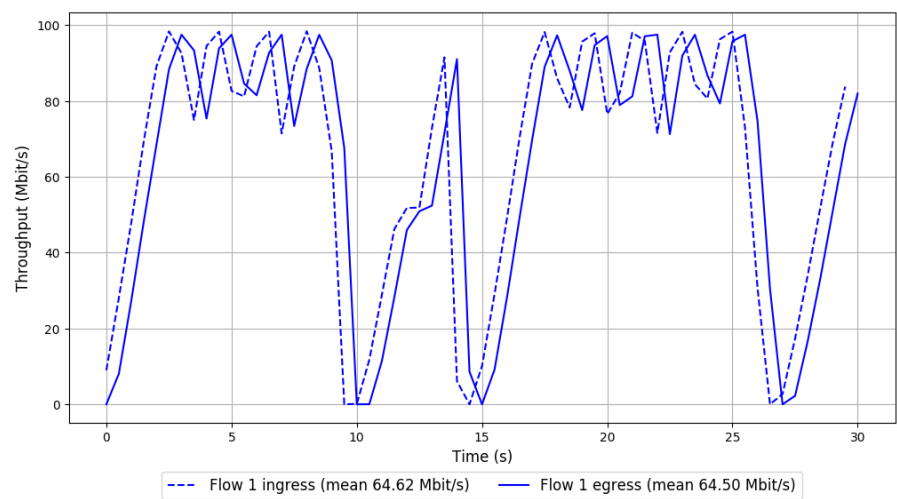


Run 1: Statistics of LEDBAT

Start at: 2018-07-10 12:35:11
End at: 2018-07-10 12:35:41
Local clock offset: 2.339 ms
Remote clock offset: -7.387 ms

Below is generated by plot.py at 2018-07-10 15:51:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 22.858 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 22.858 ms
Loss rate: 0.26%

Run 1: Report of LEDBAT — Data Link

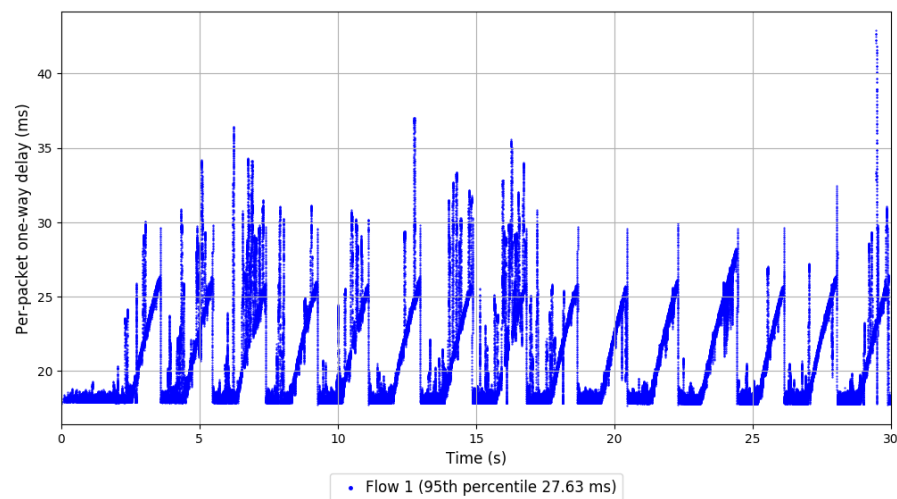
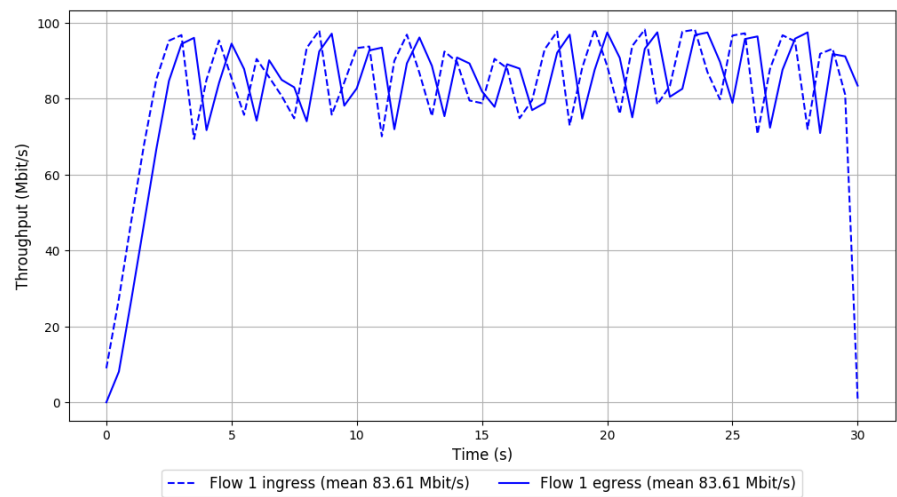


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 12:55:27
End at: 2018-07-10 12:55:57
Local clock offset: 3.07 ms
Remote clock offset: -14.249 ms

Below is generated by plot.py at 2018-07-10 15:51:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 27.633 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 27.633 ms
Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link

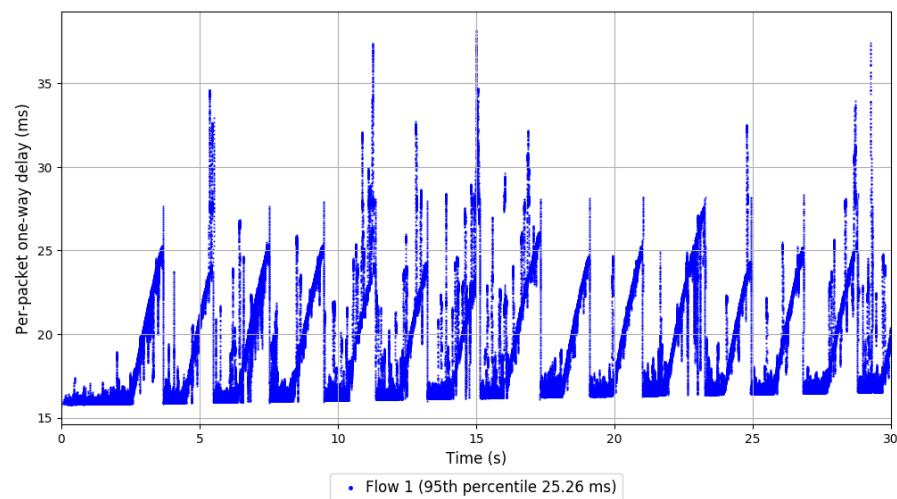
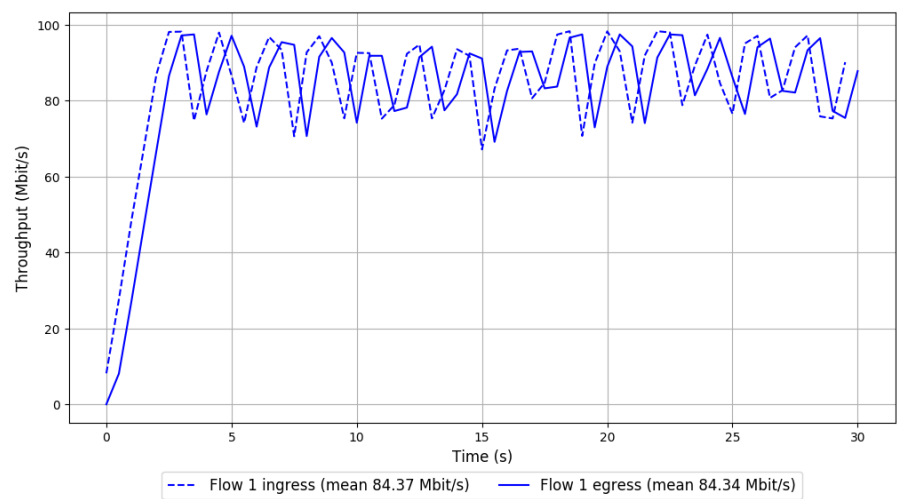


Run 3: Statistics of LEDBAT

Start at: 2018-07-10 13:15:26
End at: 2018-07-10 13:15:56
Local clock offset: 1.627 ms
Remote clock offset: -15.487 ms

Below is generated by plot.py at 2018-07-10 15:52:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 25.262 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 25.262 ms
Loss rate: 0.11%

Run 3: Report of LEDBAT — Data Link

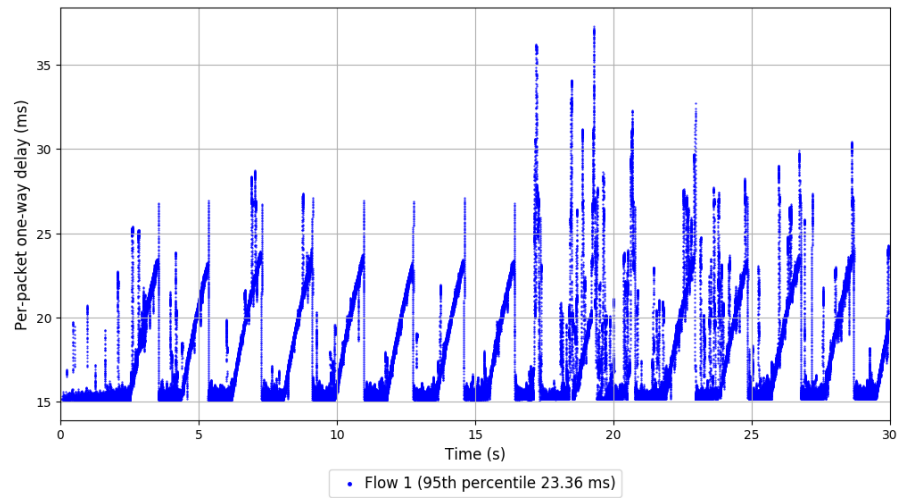
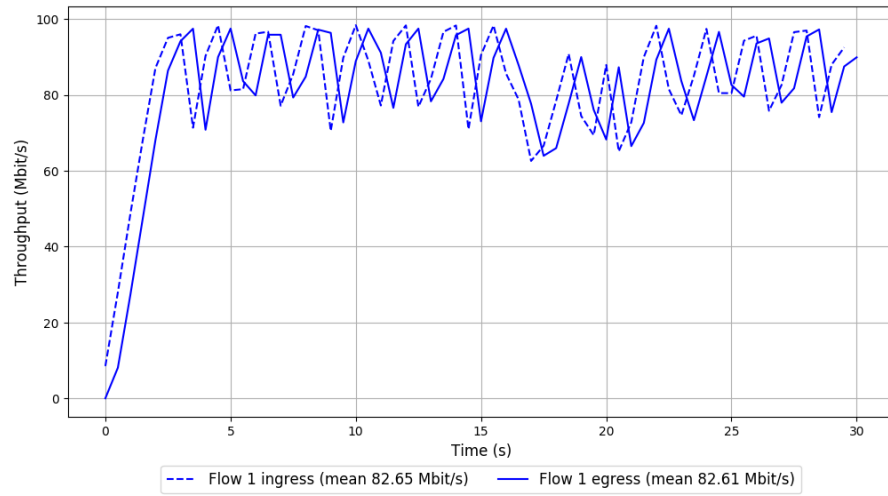


Run 4: Statistics of LEDBAT

Start at: 2018-07-10 13:35:29
End at: 2018-07-10 13:35:59
Local clock offset: 2.017 ms
Remote clock offset: -1.361 ms

Below is generated by plot.py at 2018-07-10 15:52:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 23.365 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 23.365 ms
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-10 13:55:58

End at: 2018-07-10 13:56:28

Local clock offset: 2.136 ms

Remote clock offset: 4.984 ms

Below is generated by plot.py at 2018-07-10 15:52:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.51 Mbit/s

95th percentile per-packet one-way delay: 14.884 ms

Loss rate: 0.10%

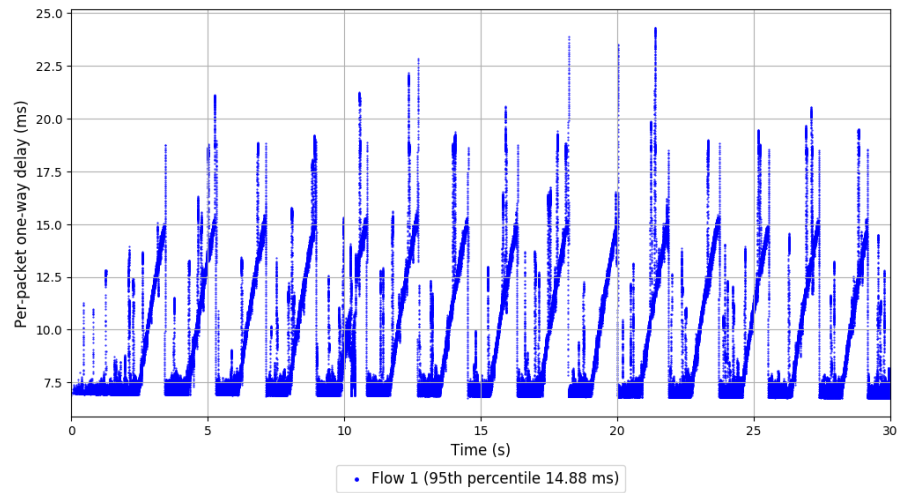
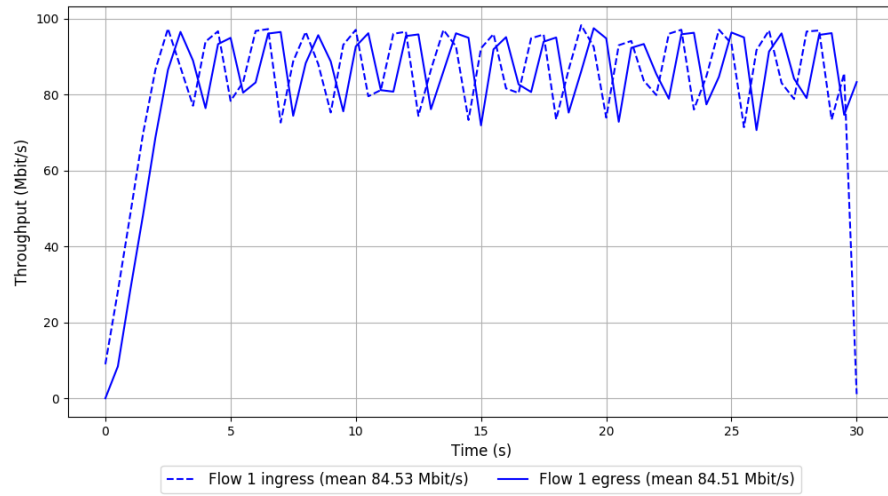
-- Flow 1:

Average throughput: 84.51 Mbit/s

95th percentile per-packet one-way delay: 14.884 ms

Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link

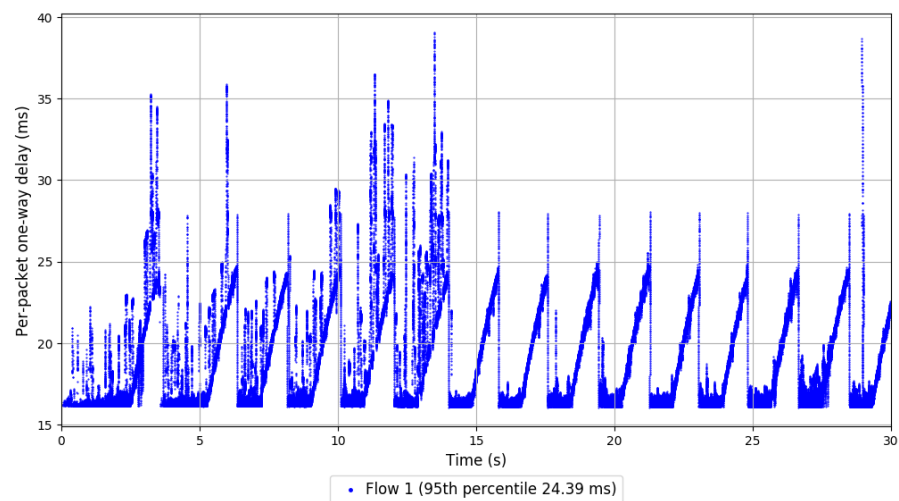
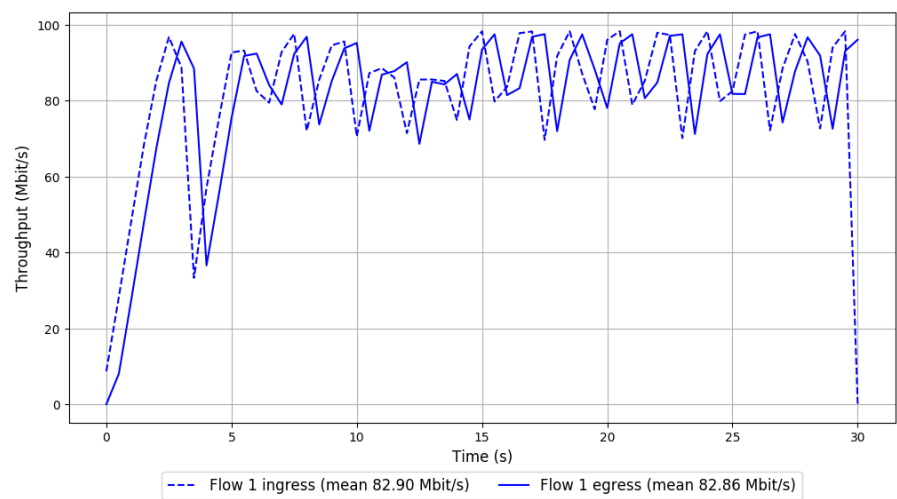


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 14:16:08
End at: 2018-07-10 14:16:38
Local clock offset: -0.79 ms
Remote clock offset: -10.866 ms

Below is generated by plot.py at 2018-07-10 15:52:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 24.395 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 24.395 ms
Loss rate: 0.13%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-10 14:36:21

End at: 2018-07-10 14:36:51

Local clock offset: -0.207 ms

Remote clock offset: 5.139 ms

Below is generated by plot.py at 2018-07-10 15:52:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.55 Mbit/s

95th percentile per-packet one-way delay: 13.942 ms

Loss rate: 0.10%

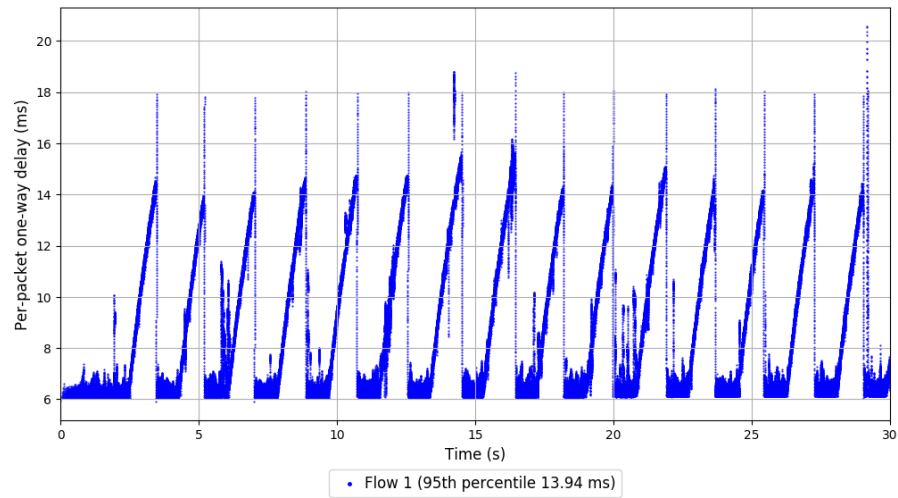
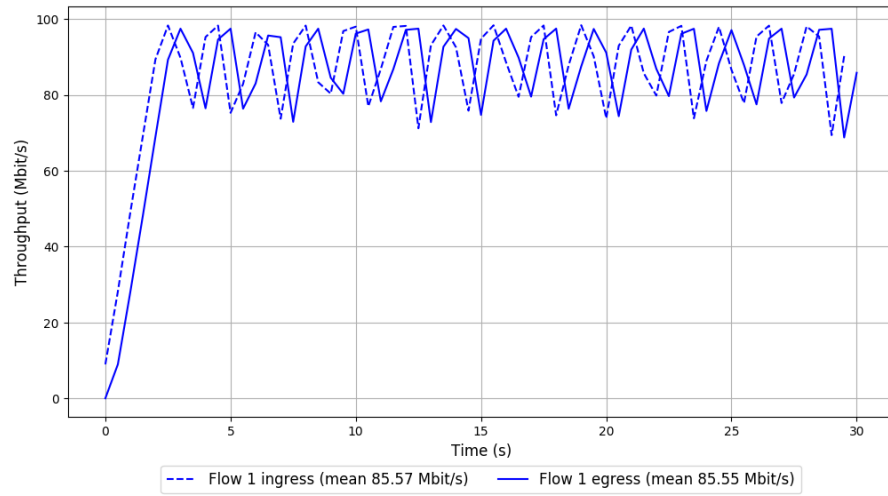
-- Flow 1:

Average throughput: 85.55 Mbit/s

95th percentile per-packet one-way delay: 13.942 ms

Loss rate: 0.10%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-10 14:56:26

End at: 2018-07-10 14:56:56

Local clock offset: -0.3 ms

Remote clock offset: 8.597 ms

Below is generated by plot.py at 2018-07-10 15:52:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 12.448 ms

Loss rate: 0.09%

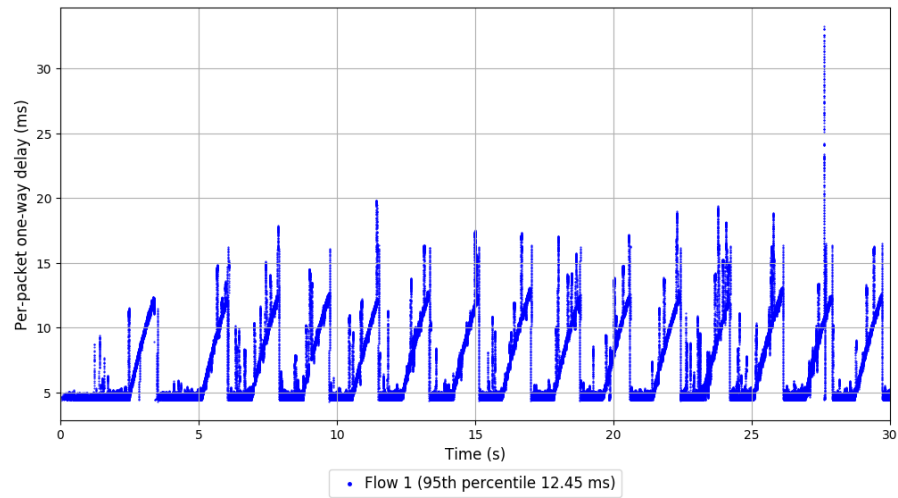
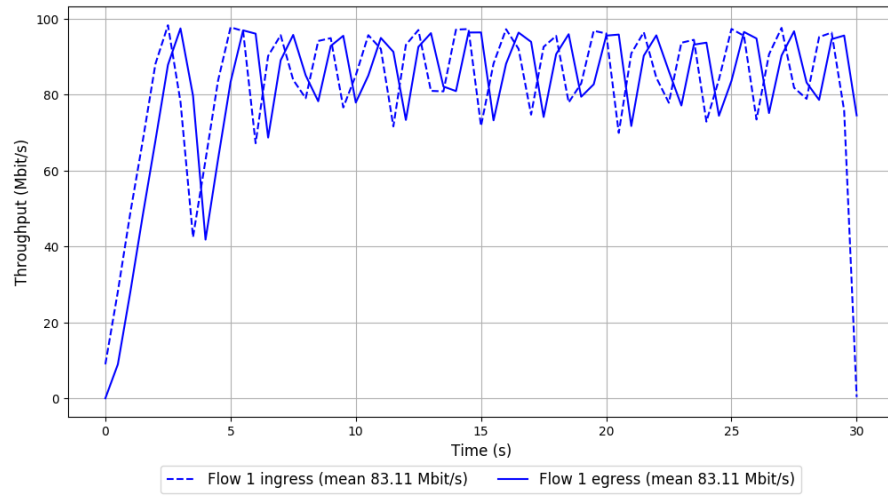
-- Flow 1:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 12.448 ms

Loss rate: 0.09%

Run 8: Report of LEDBAT — Data Link

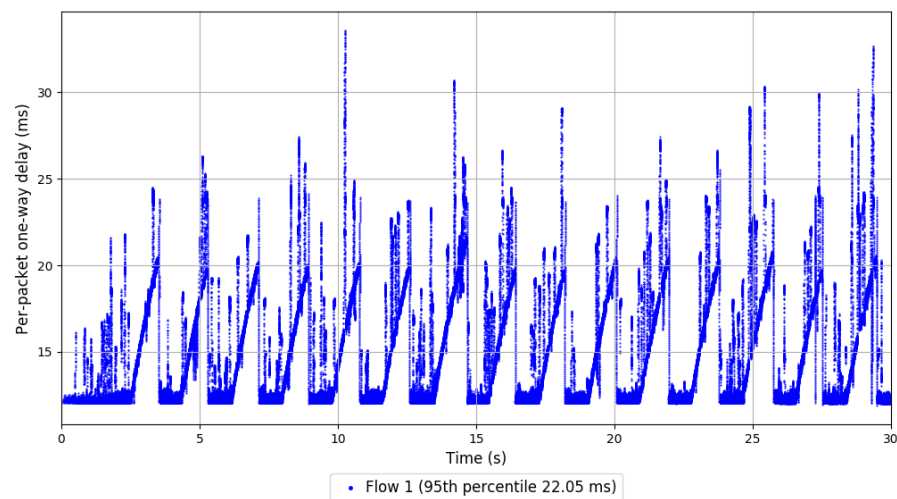
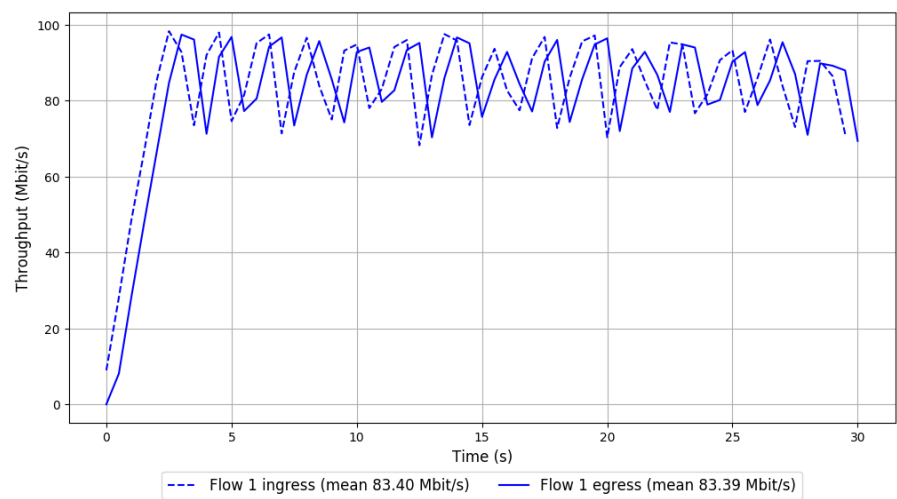


Run 9: Statistics of LEDBAT

Start at: 2018-07-10 15:16:23
End at: 2018-07-10 15:16:53
Local clock offset: 0.692 ms
Remote clock offset: -2.393 ms

Below is generated by plot.py at 2018-07-10 15:52:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 22.047 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 22.047 ms
Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

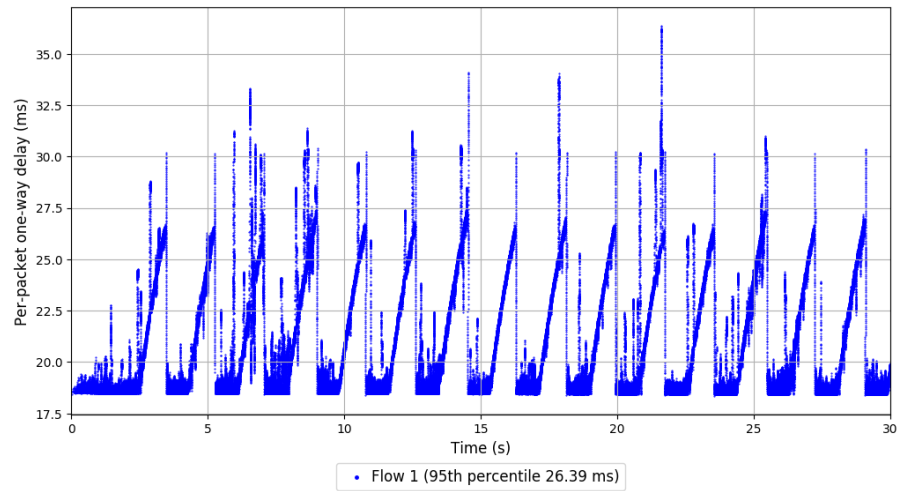
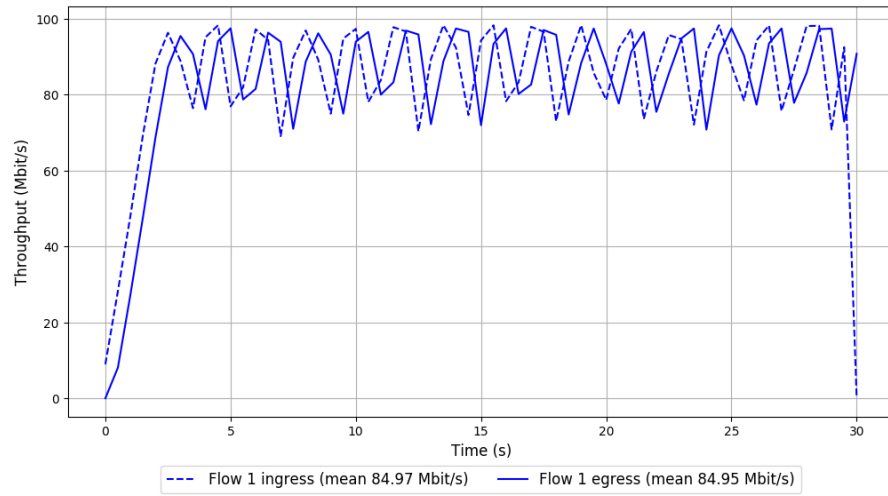


Run 10: Statistics of LEDBAT

Start at: 2018-07-10 15:36:25
End at: 2018-07-10 15:36:56
Local clock offset: 2.453 ms
Remote clock offset: -8.443 ms

Below is generated by plot.py at 2018-07-10 15:52:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 26.389 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 26.389 ms
Loss rate: 0.10%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 12:17:34

End at: 2018-07-10 12:18:04

Local clock offset: 3.248 ms

Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-07-10 15:53:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 28.534 ms

Loss rate: 0.22%

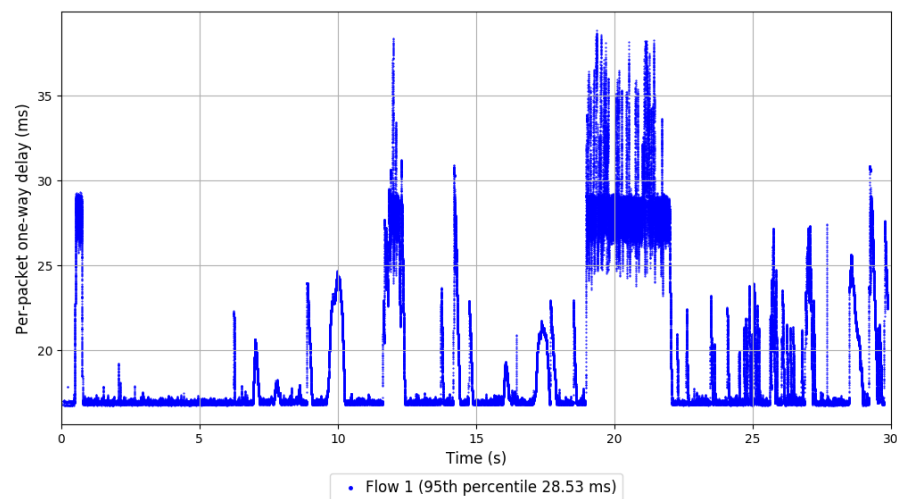
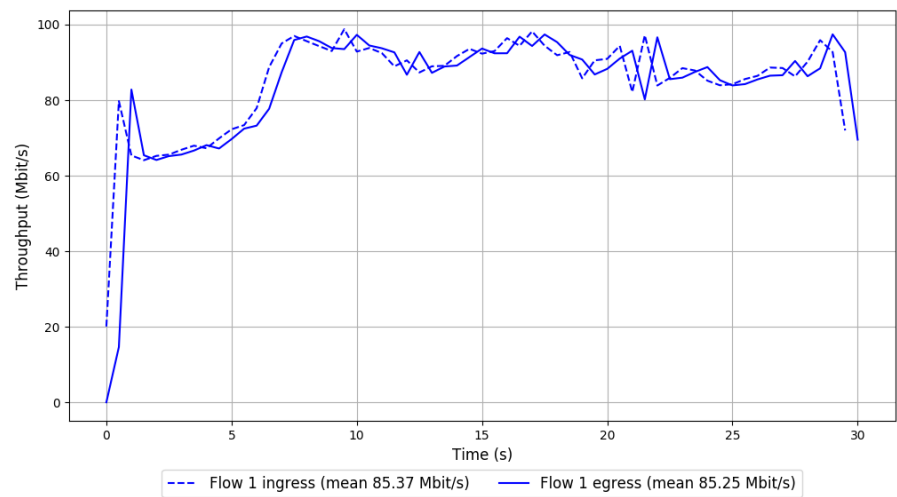
-- Flow 1:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 28.534 ms

Loss rate: 0.22%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 12:37:34

End at: 2018-07-10 12:38:04

Local clock offset: 2.881 ms

Remote clock offset: -8.052 ms

Below is generated by plot.py at 2018-07-10 15:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 19.320 ms

Loss rate: 0.14%

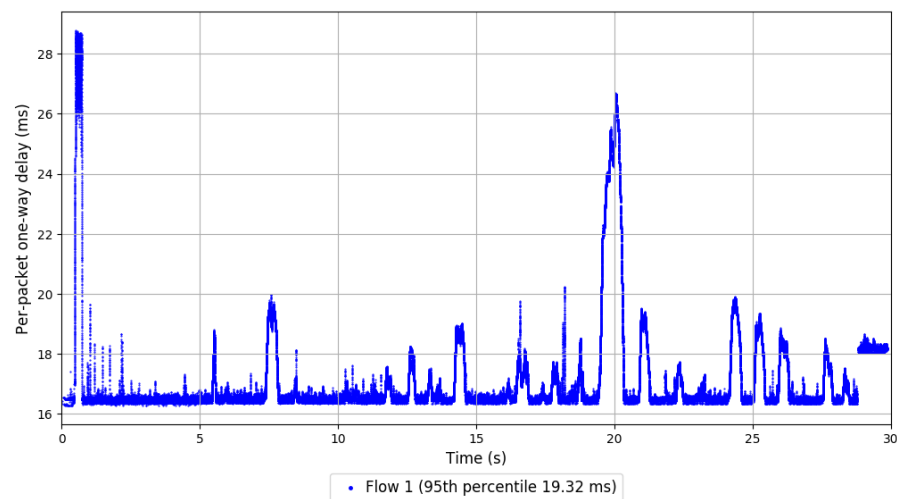
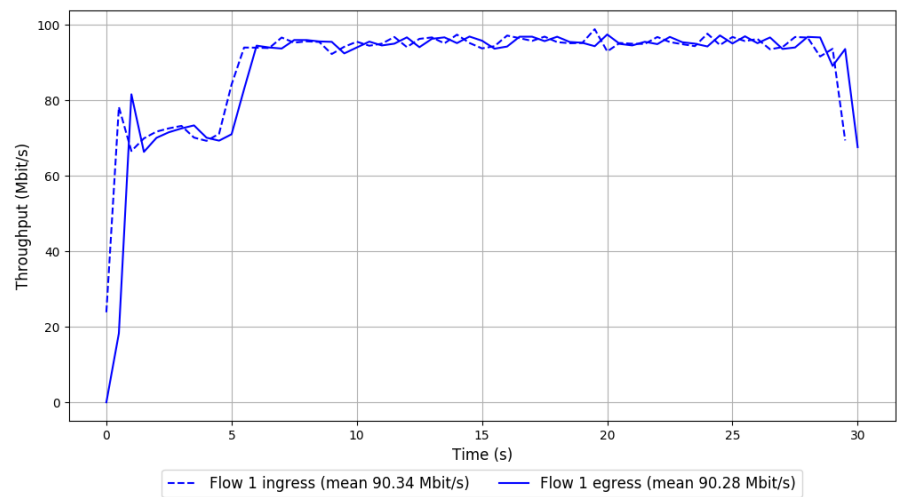
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 19.320 ms

Loss rate: 0.14%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 12:57:57

End at: 2018-07-10 12:58:27

Local clock offset: -0.341 ms

Remote clock offset: -13.505 ms

Below is generated by plot.py at 2018-07-10 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.36 Mbit/s

95th percentile per-packet one-way delay: 23.070 ms

Loss rate: 0.11%

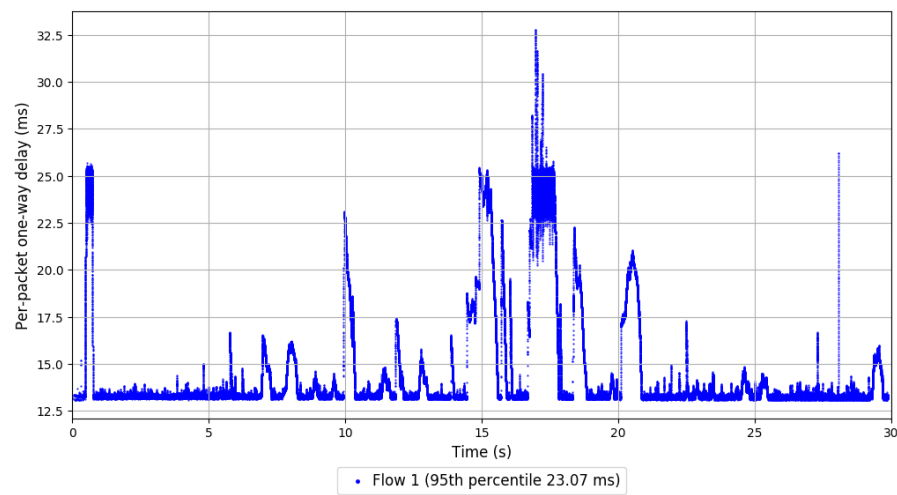
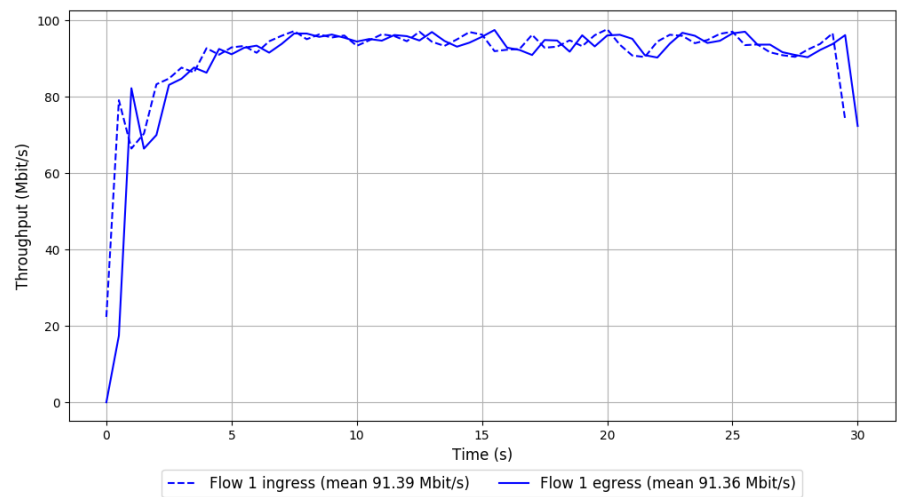
-- Flow 1:

Average throughput: 91.36 Mbit/s

95th percentile per-packet one-way delay: 23.070 ms

Loss rate: 0.11%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 13:17:54

End at: 2018-07-10 13:18:24

Local clock offset: 3.235 ms

Remote clock offset: -11.891 ms

Below is generated by plot.py at 2018-07-10 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 27.936 ms

Loss rate: 0.12%

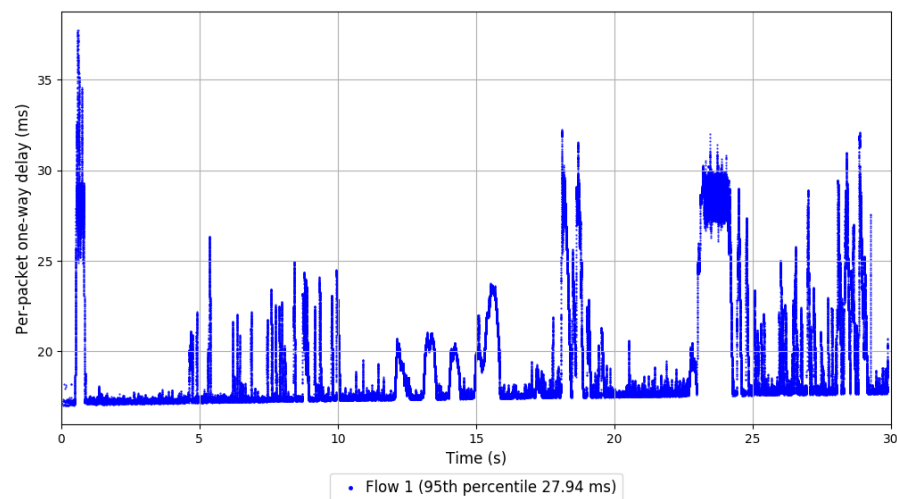
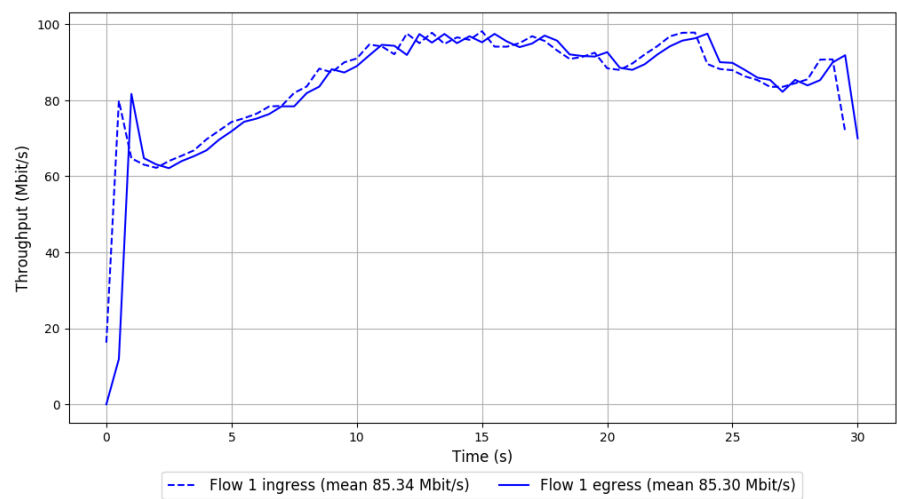
-- Flow 1:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 27.936 ms

Loss rate: 0.12%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 13:38:05

End at: 2018-07-10 13:38:35

Local clock offset: -1.092 ms

Remote clock offset: 4.755 ms

Below is generated by plot.py at 2018-07-10 15:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 15.205 ms

Loss rate: 0.37%

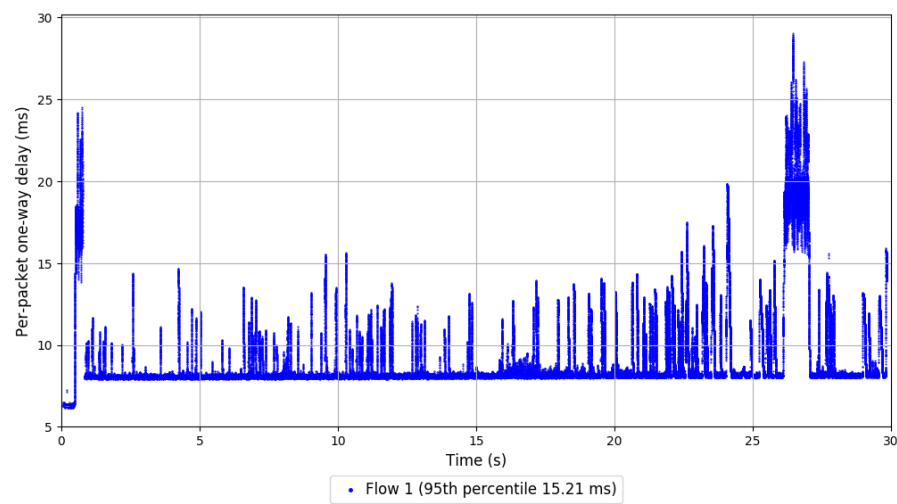
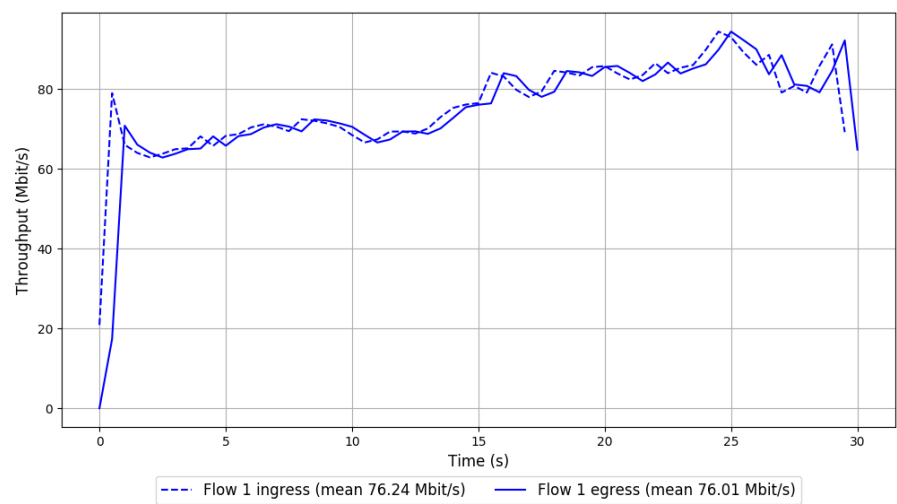
-- Flow 1:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 15.205 ms

Loss rate: 0.37%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 13:58:29

End at: 2018-07-10 13:58:59

Local clock offset: -1.046 ms

Remote clock offset: 0.614 ms

Below is generated by plot.py at 2018-07-10 15:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.99 Mbit/s

95th percentile per-packet one-way delay: 18.817 ms

Loss rate: 0.57%

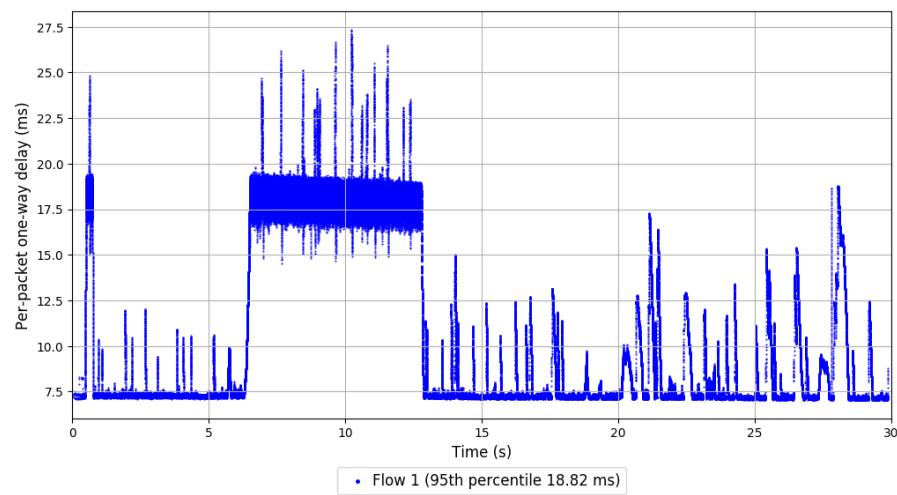
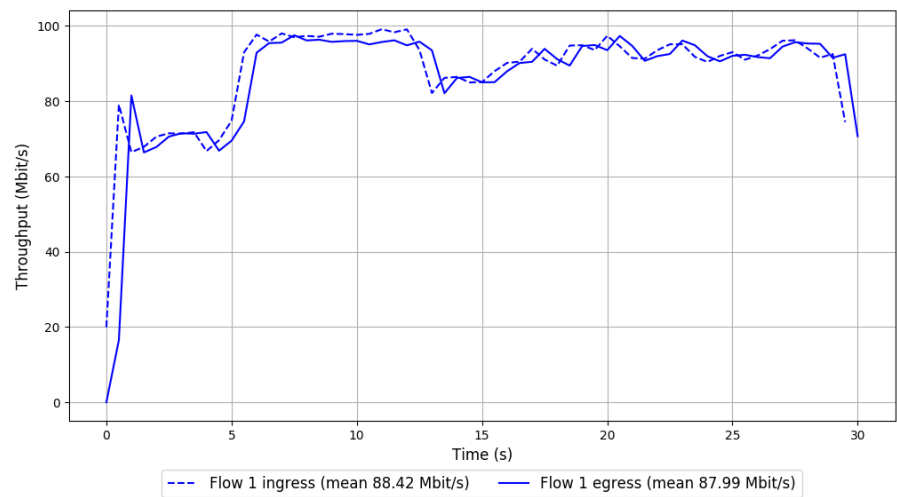
-- Flow 1:

Average throughput: 87.99 Mbit/s

95th percentile per-packet one-way delay: 18.817 ms

Loss rate: 0.57%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 14:18:40

End at: 2018-07-10 14:19:10

Local clock offset: 0.189 ms

Remote clock offset: -8.751 ms

Below is generated by plot.py at 2018-07-10 15:53:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 17.233 ms

Loss rate: 0.09%

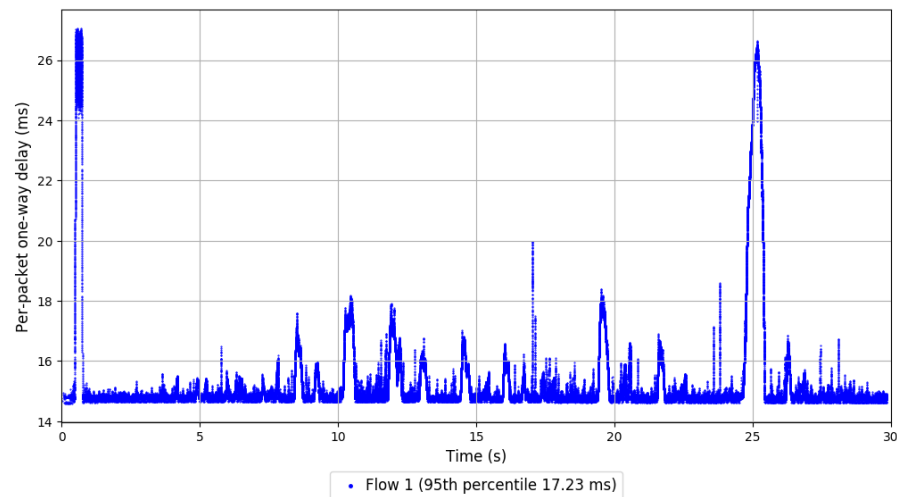
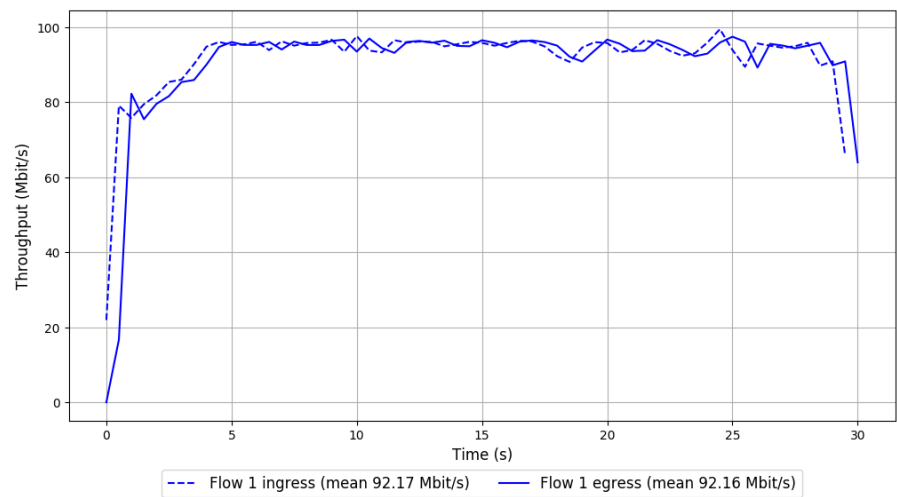
-- Flow 1:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 17.233 ms

Loss rate: 0.09%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 14:38:50

End at: 2018-07-10 14:39:20

Local clock offset: 0.123 ms

Remote clock offset: -3.59 ms

Below is generated by plot.py at 2018-07-10 15:53:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 17.522 ms

Loss rate: 0.08%

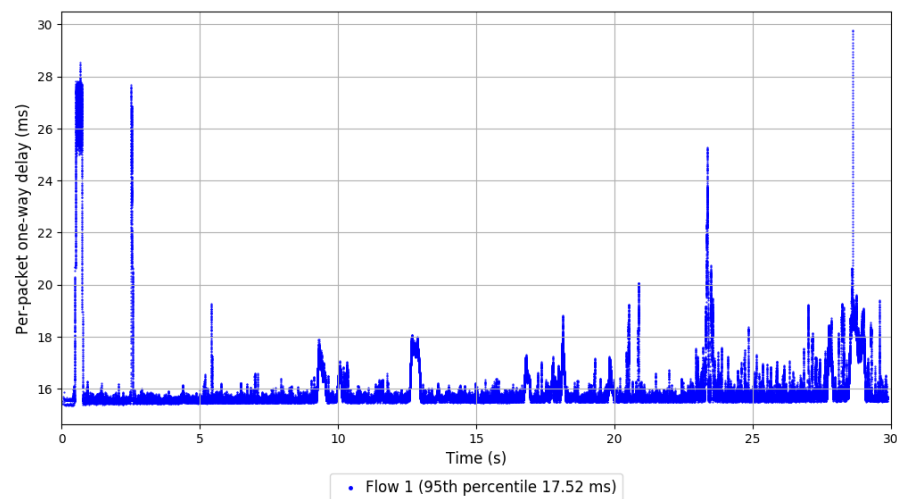
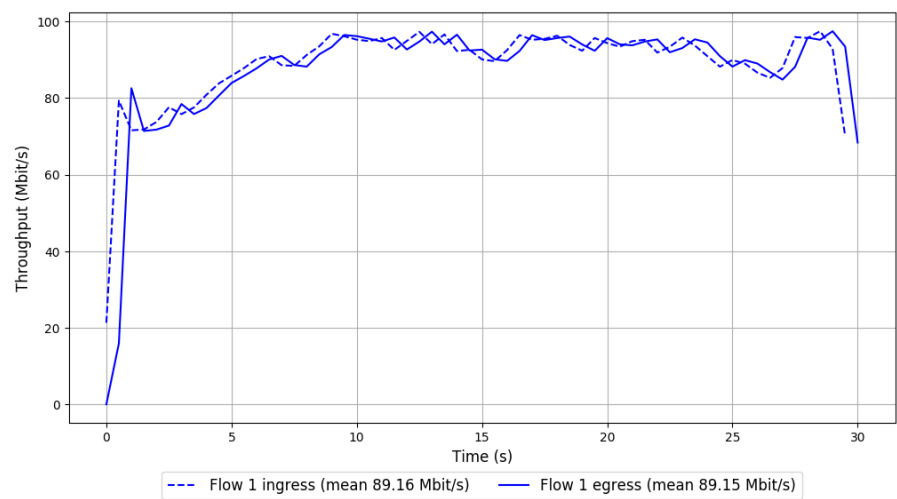
-- Flow 1:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 17.522 ms

Loss rate: 0.08%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 14:58:54

End at: 2018-07-10 14:59:24

Local clock offset: 2.325 ms

Remote clock offset: -1.12 ms

Below is generated by plot.py at 2018-07-10 15:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 28.944 ms

Loss rate: 0.39%

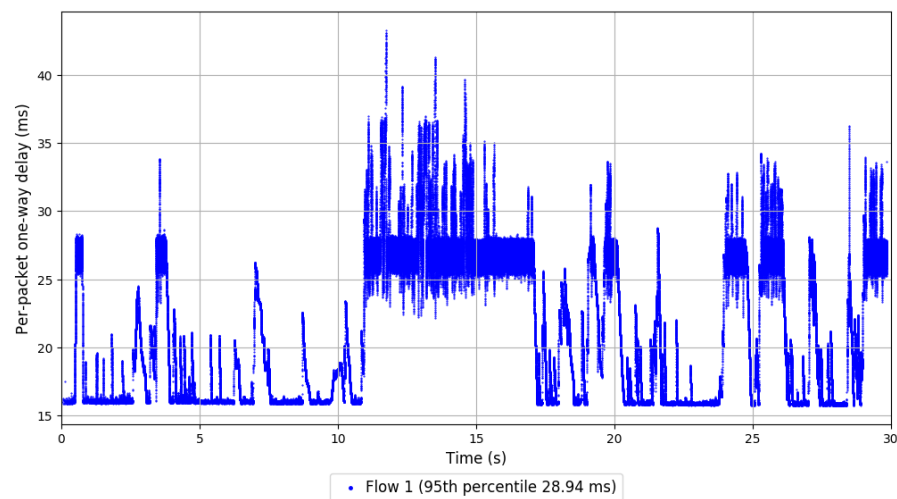
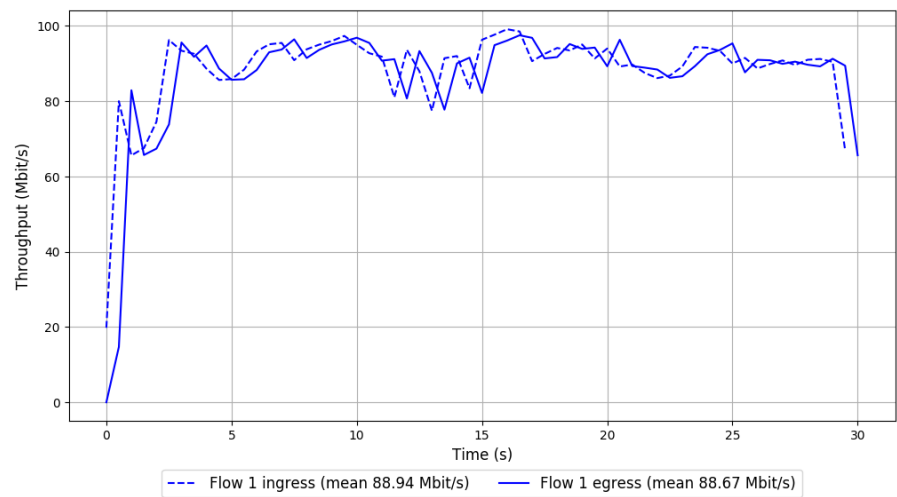
-- Flow 1:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 28.944 ms

Loss rate: 0.39%

Run 9: Report of PCC-Allegro — Data Link

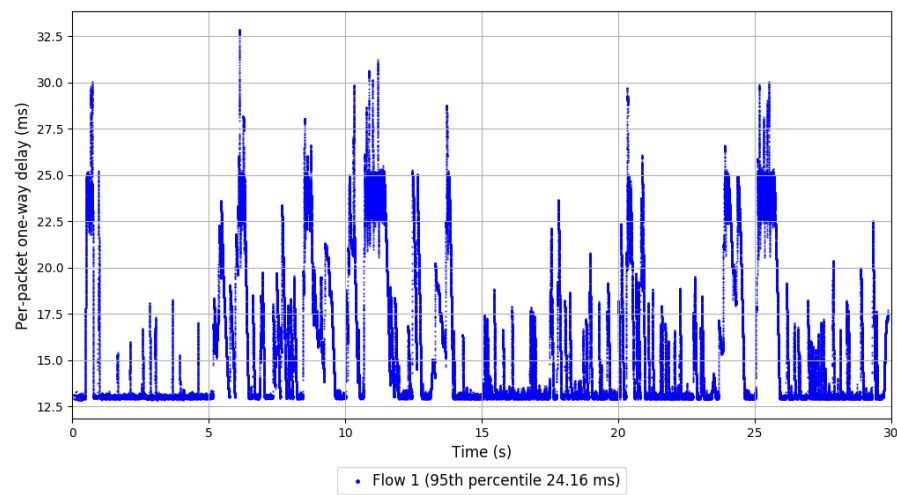
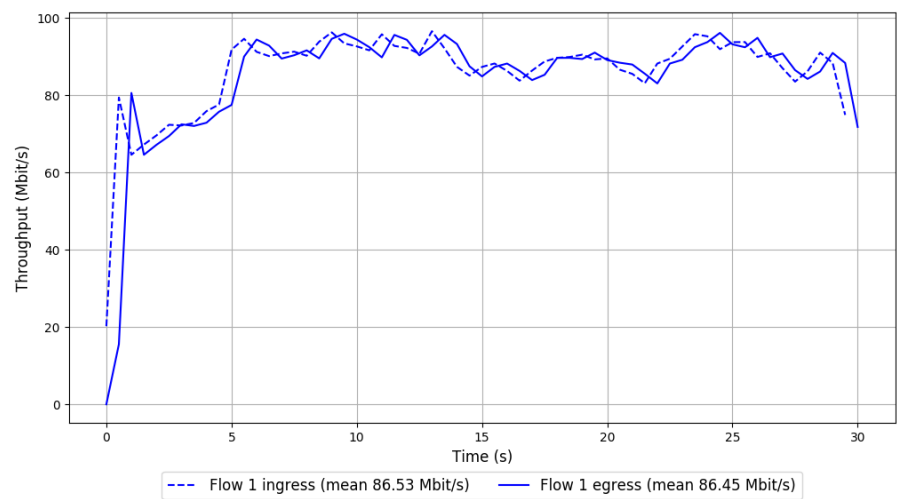


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 15:18:50
End at: 2018-07-10 15:19:20
Local clock offset: -1.131 ms
Remote clock offset: -5.395 ms

Below is generated by plot.py at 2018-07-10 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 24.163 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 24.163 ms
Loss rate: 0.17%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 12:26:43
End at: 2018-07-10 12:27:13
Local clock offset: -0.581 ms
Remote clock offset: -7.392 ms

Below is generated by plot.py at 2018-07-10 15:55:08

Datalink statistics

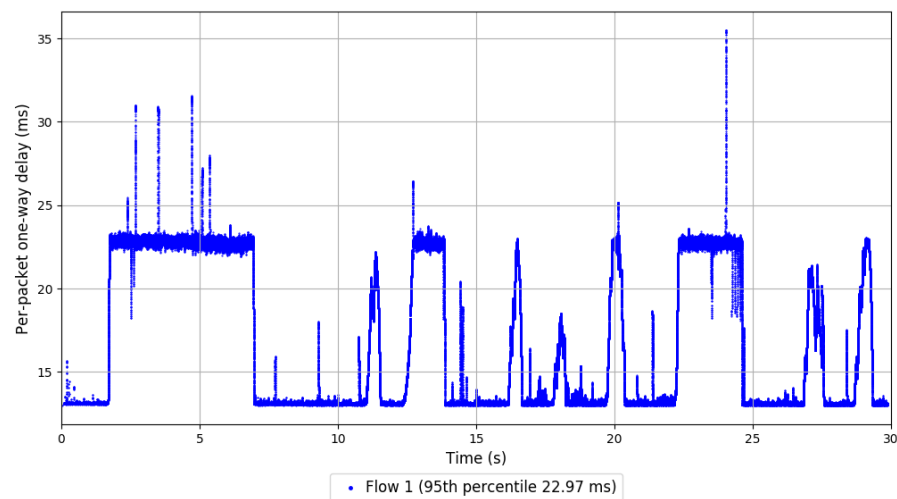
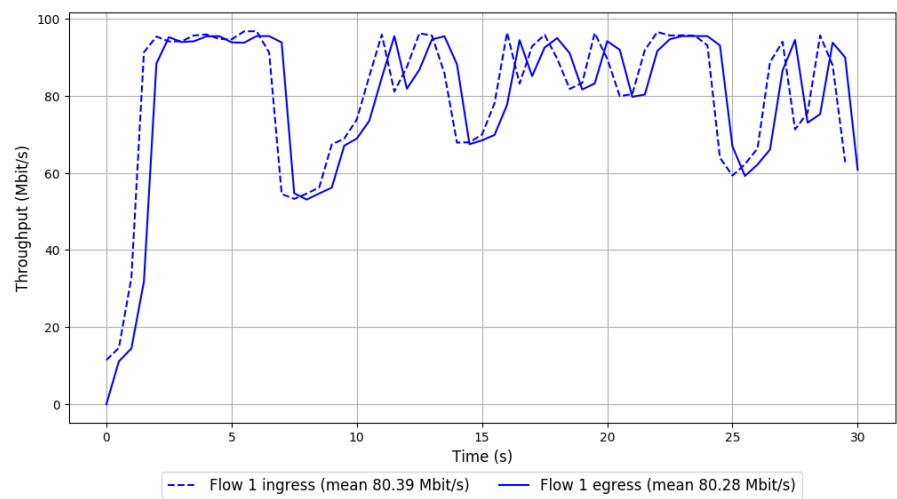
-- Total of 1 flow:

Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 22.971 ms
Loss rate: 0.22%

-- Flow 1:

Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 22.971 ms
Loss rate: 0.22%

Run 1: Report of PCC-Expr — Data Link

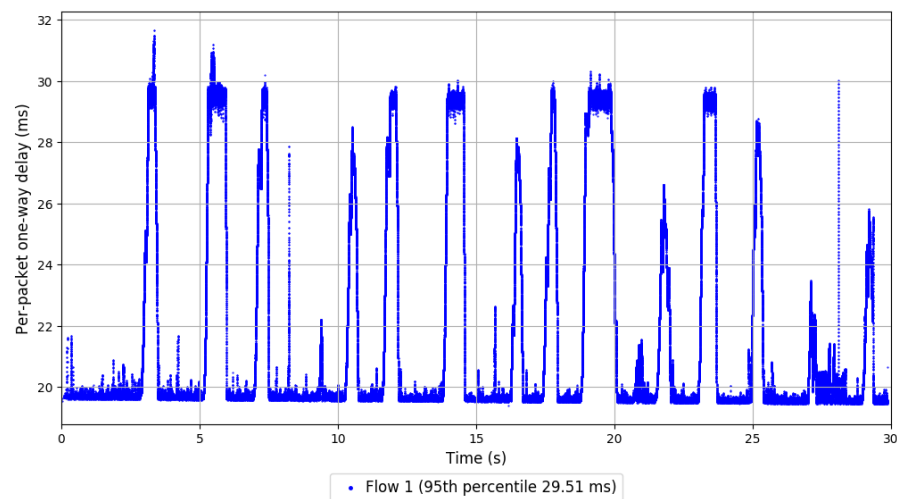
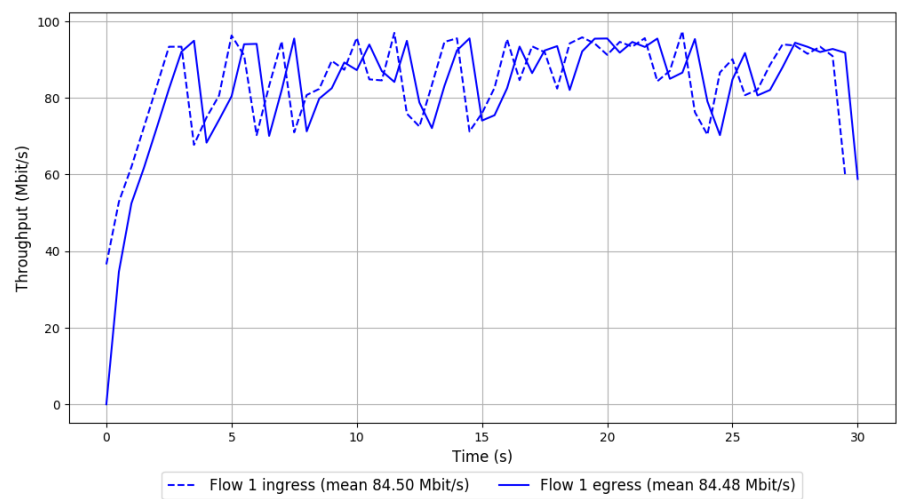


Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 12:46:56
End at: 2018-07-10 12:47:26
Local clock offset: 3.675 ms
Remote clock offset: -13.294 ms

Below is generated by plot.py at 2018-07-10 15:55:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 29.506 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 29.506 ms
Loss rate: 0.10%

Run 2: Report of PCC-Expr — Data Link

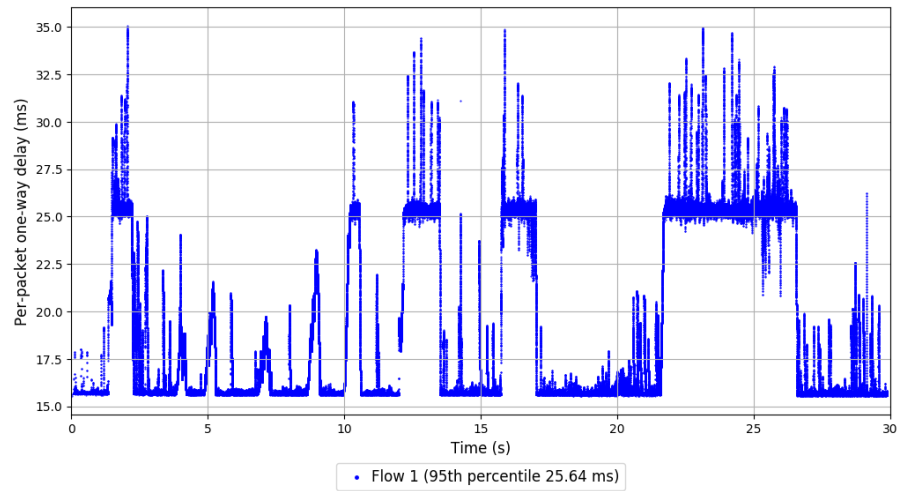
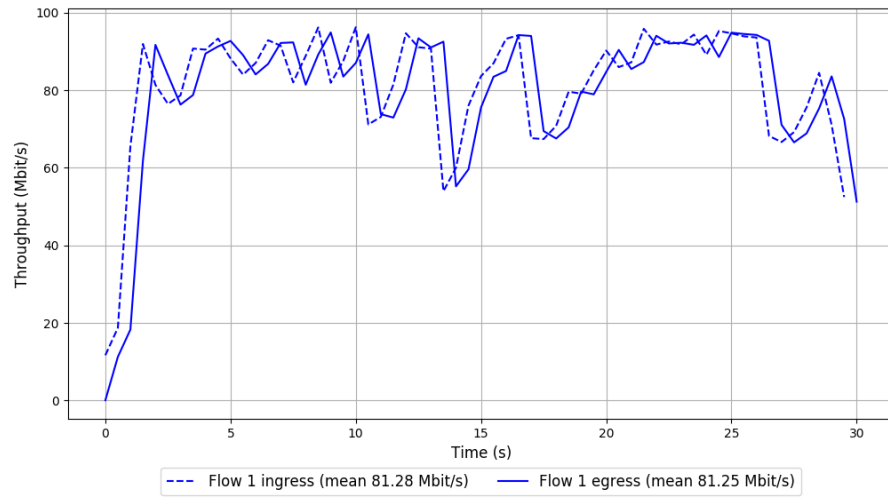


Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 13:07:09
End at: 2018-07-10 13:07:39
Local clock offset: 2.181 ms
Remote clock offset: -14.765 ms

Below is generated by plot.py at 2018-07-10 15:55:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 25.643 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 25.643 ms
Loss rate: 0.12%

Run 3: Report of PCC-Expr — Data Link

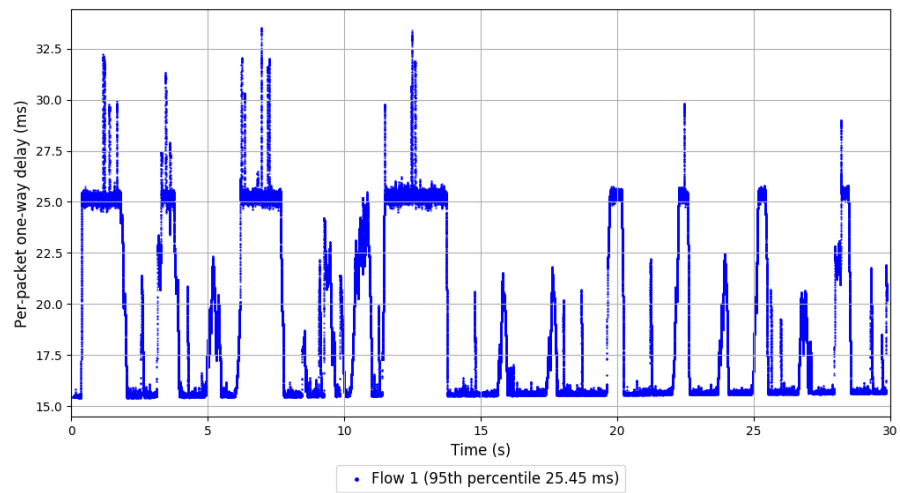
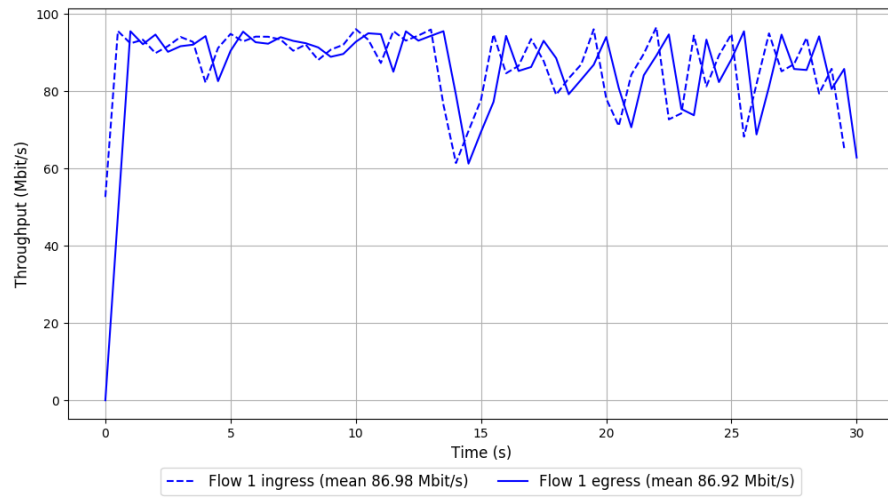


Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 13:27:11
End at: 2018-07-10 13:27:41
Local clock offset: 2.775 ms
Remote clock offset: -3.567 ms

Below is generated by plot.py at 2018-07-10 15:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 25.445 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 25.445 ms
Loss rate: 0.15%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 13:47:21

End at: 2018-07-10 13:47:51

Local clock offset: 0.746 ms

Remote clock offset: 8.434 ms

Below is generated by plot.py at 2018-07-10 15:55:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.12 Mbit/s

95th percentile per-packet one-way delay: 15.617 ms

Loss rate: 0.15%

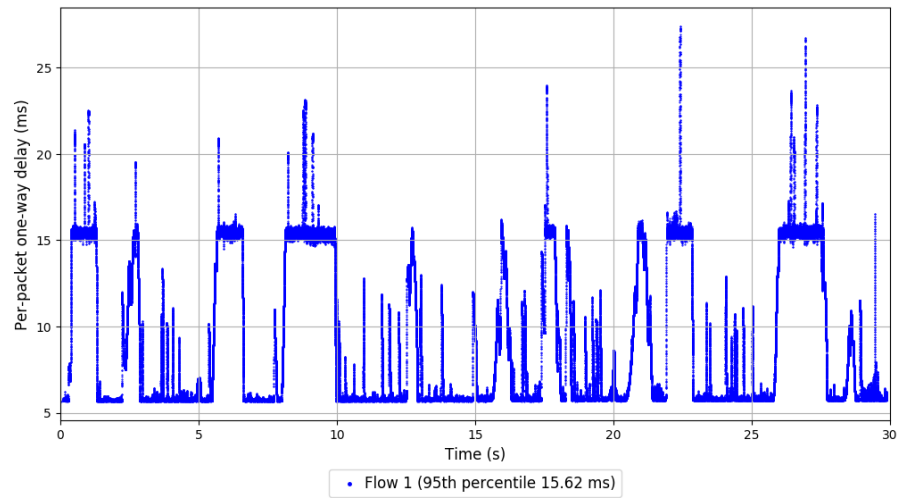
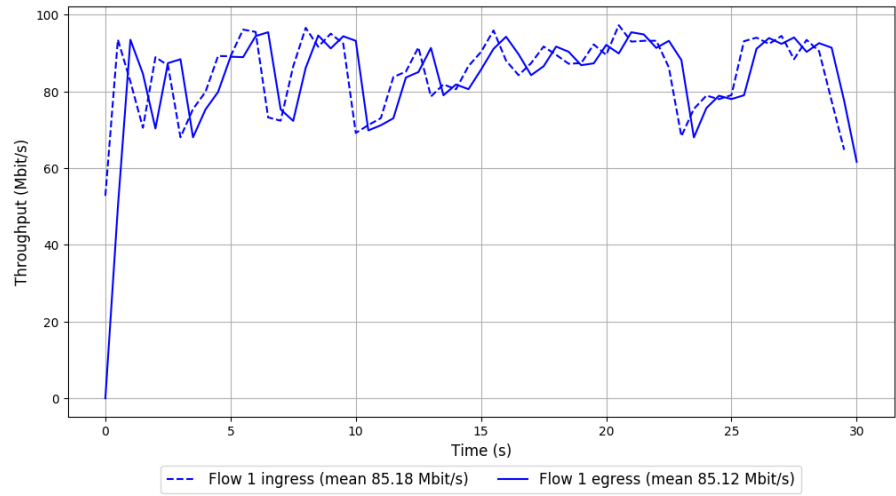
-- Flow 1:

Average throughput: 85.12 Mbit/s

95th percentile per-packet one-way delay: 15.617 ms

Loss rate: 0.15%

Run 5: Report of PCC-Expr — Data Link

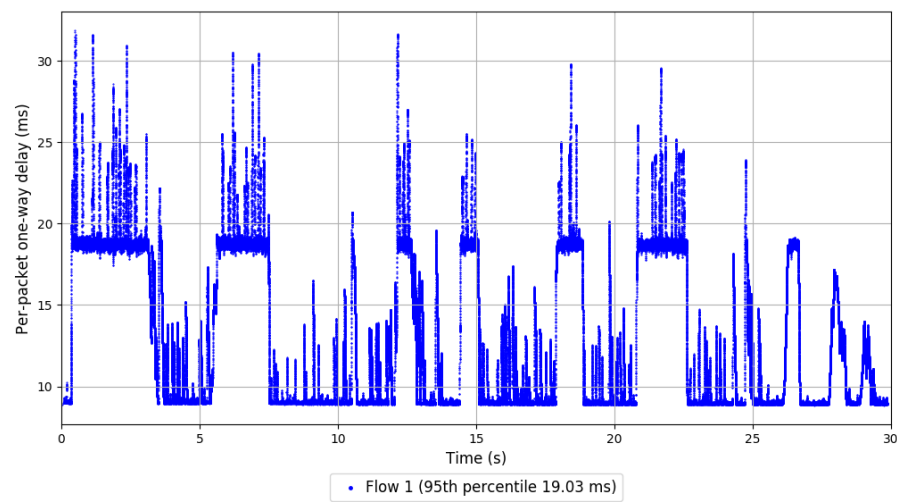
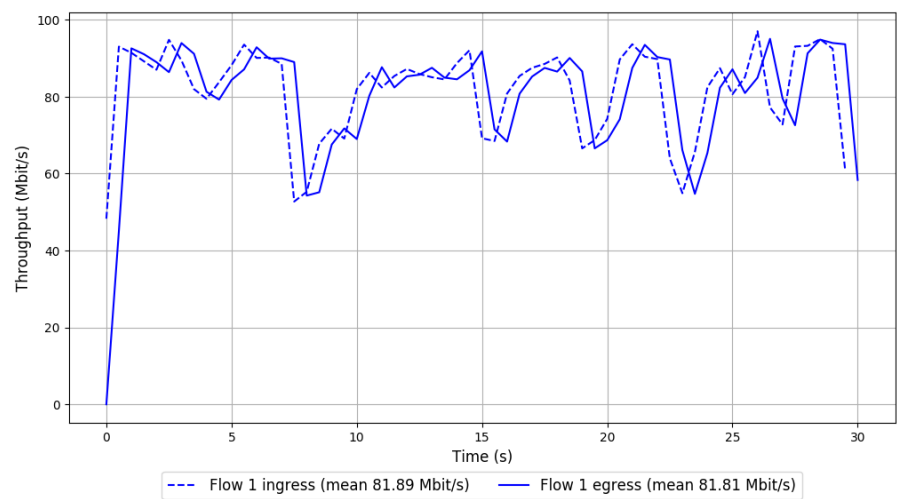


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 14:07:39
End at: 2018-07-10 14:08:09
Local clock offset: -2.911 ms
Remote clock offset: -4.862 ms

Below is generated by plot.py at 2018-07-10 15:55:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.18%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 14:27:52

End at: 2018-07-10 14:28:22

Local clock offset: -0.004 ms

Remote clock offset: 6.707 ms

Below is generated by plot.py at 2018-07-10 15:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 11.811 ms

Loss rate: 0.09%

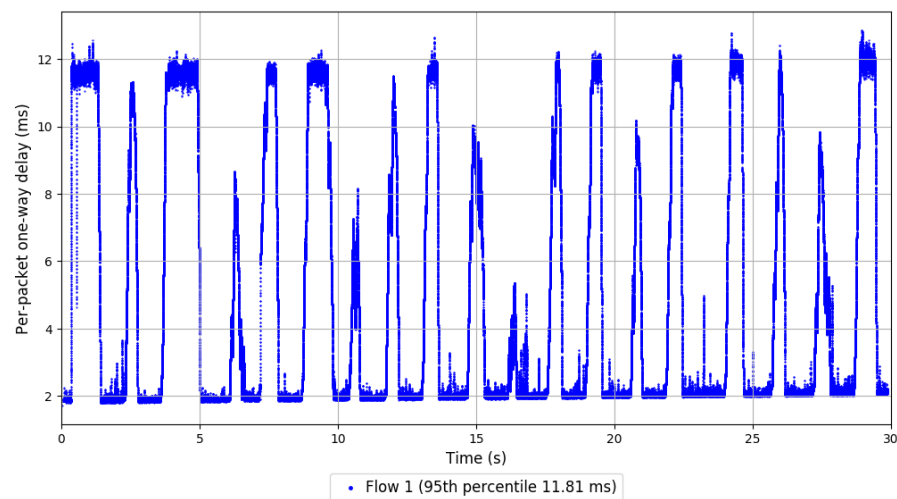
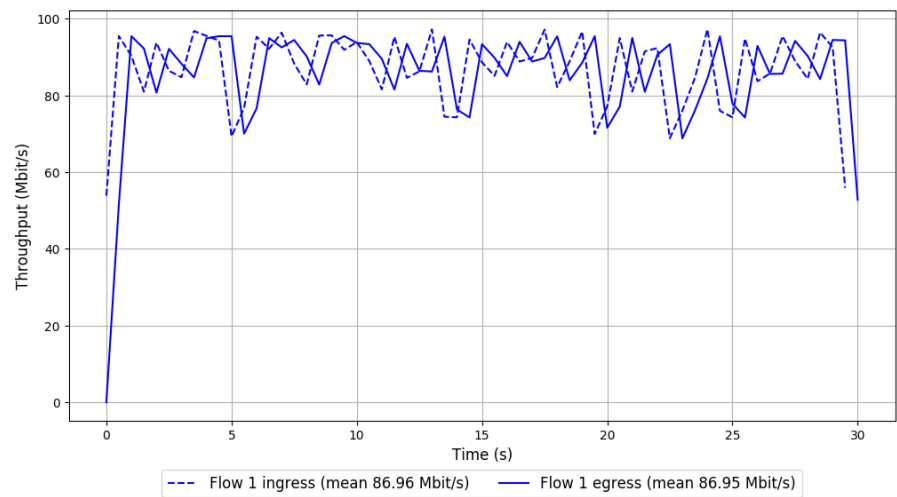
-- Flow 1:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 11.811 ms

Loss rate: 0.09%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 14:48:09

End at: 2018-07-10 14:48:39

Local clock offset: -2.585 ms

Remote clock offset: 2.129 ms

Below is generated by plot.py at 2018-07-10 15:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 19.600 ms

Loss rate: 0.11%

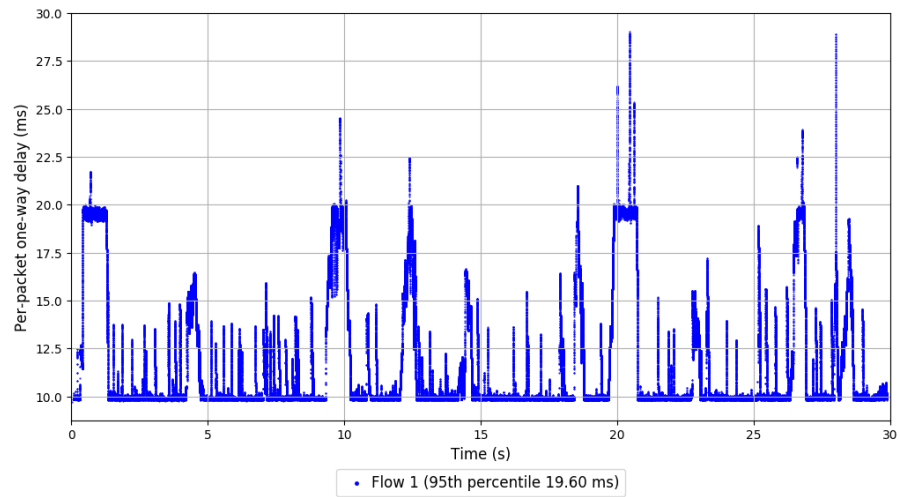
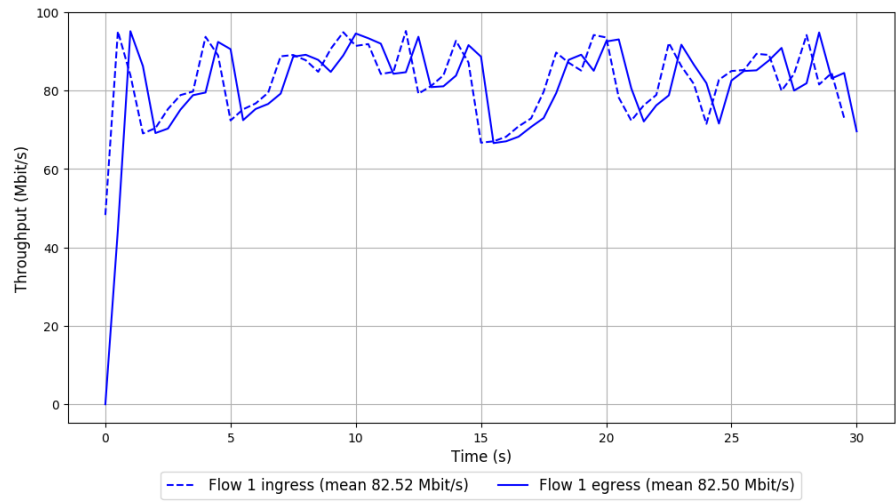
-- Flow 1:

Average throughput: 82.50 Mbit/s

95th percentile per-packet one-way delay: 19.600 ms

Loss rate: 0.11%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 15:08:04

End at: 2018-07-10 15:08:34

Local clock offset: 0.561 ms

Remote clock offset: -3.996 ms

Below is generated by plot.py at 2018-07-10 15:56:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 24.467 ms

Loss rate: 0.14%

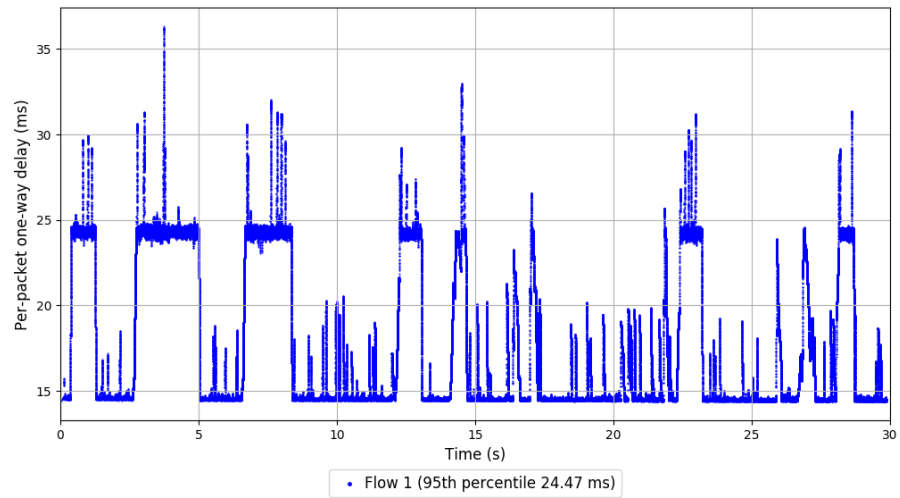
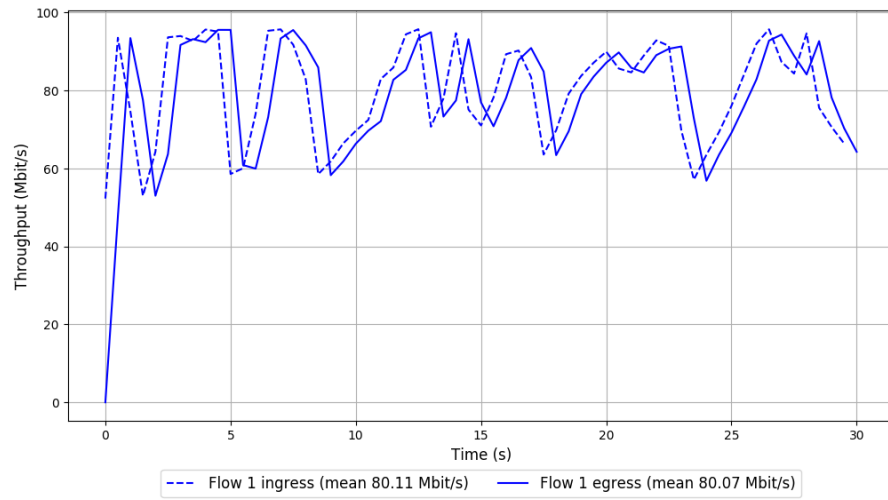
-- Flow 1:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 24.467 ms

Loss rate: 0.14%

Run 9: Report of PCC-Expr — Data Link

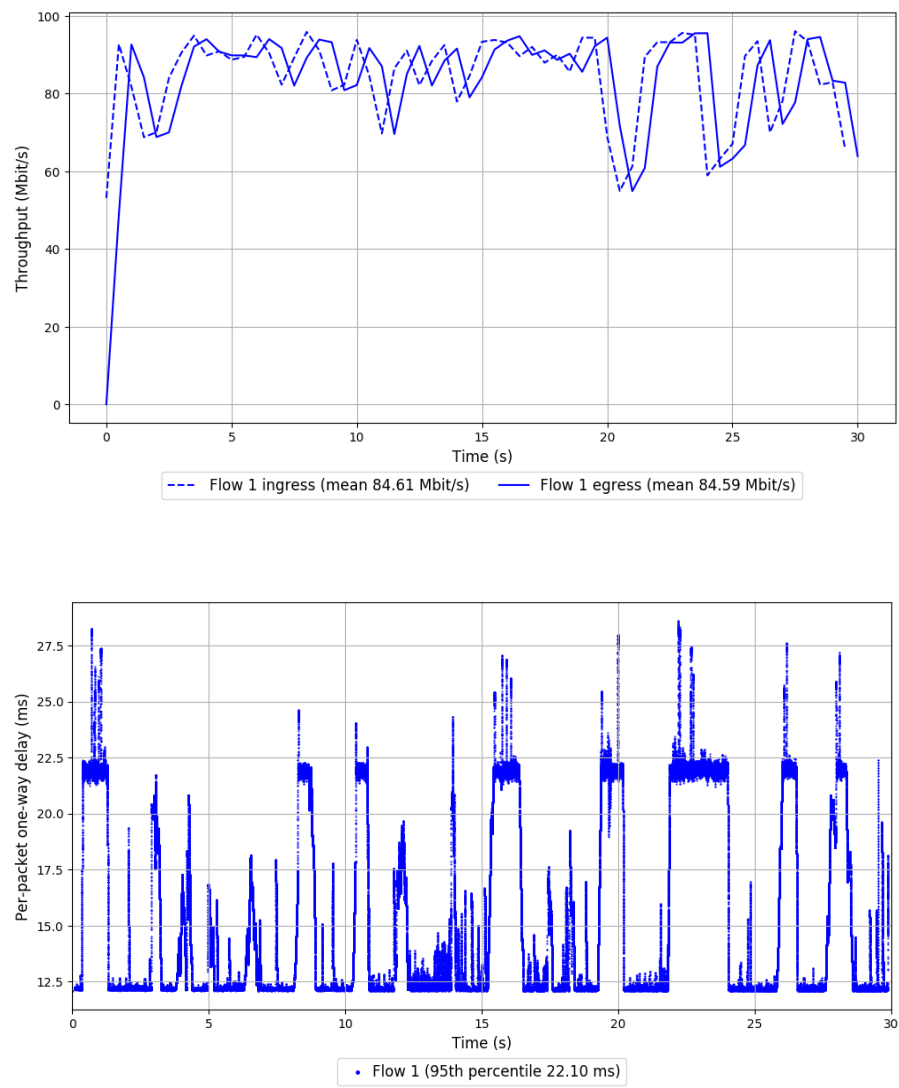


Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 15:28:04
End at: 2018-07-10 15:28:34
Local clock offset: -0.966 ms
Remote clock offset: -4.875 ms

Below is generated by plot.py at 2018-07-10 15:57:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 22.100 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 22.100 ms
Loss rate: 0.10%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 12:31:33

End at: 2018-07-10 12:32:03

Local clock offset: 1.985 ms

Remote clock offset: -7.823 ms

Below is generated by plot.py at 2018-07-10 15:57:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 24.105 ms

Loss rate: 0.12%

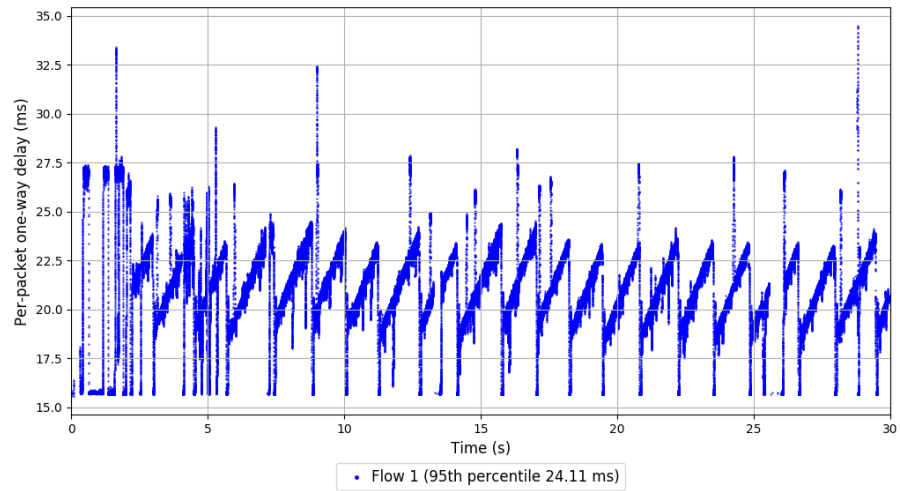
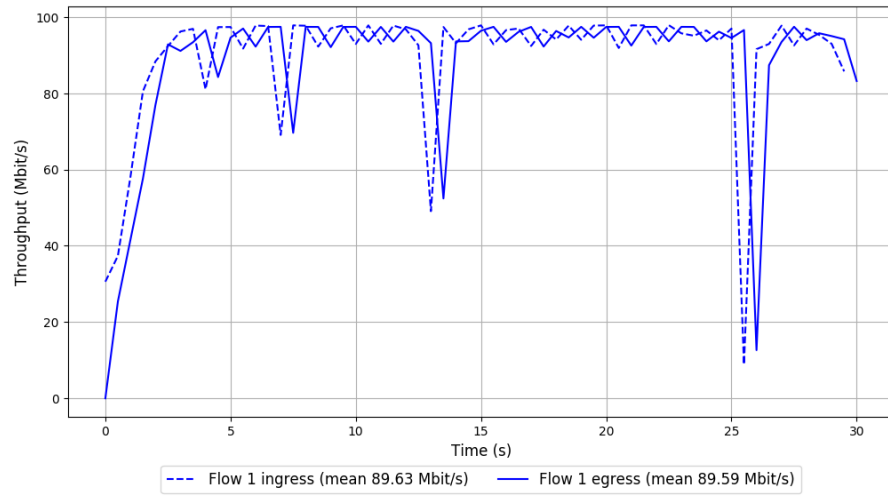
-- Flow 1:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 24.105 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link

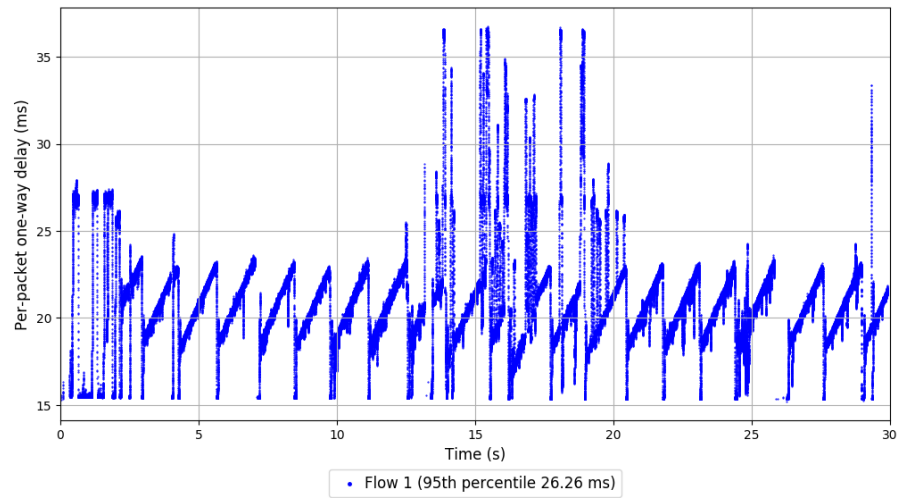
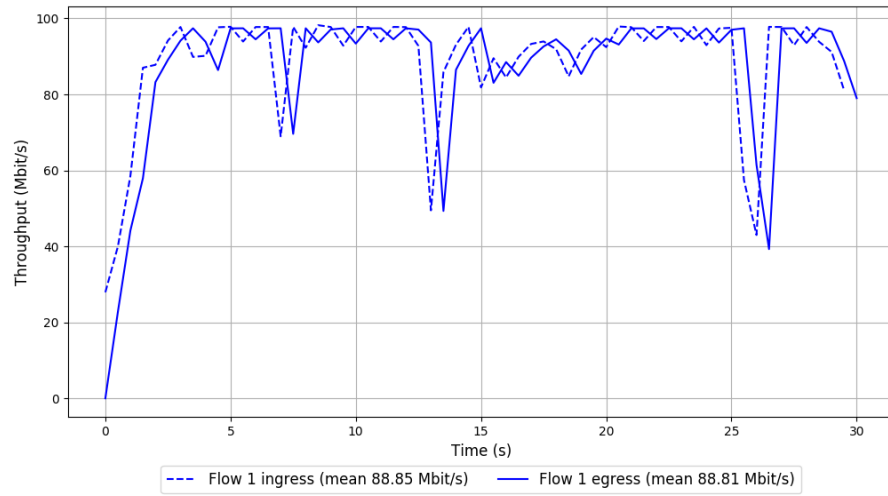


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 12:51:52
End at: 2018-07-10 12:52:22
Local clock offset: -0.931 ms
Remote clock offset: -15.055 ms

Below is generated by plot.py at 2018-07-10 15:57:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 26.257 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 26.257 ms
Loss rate: 0.13%

Run 2: Report of QUIC Cubic — Data Link

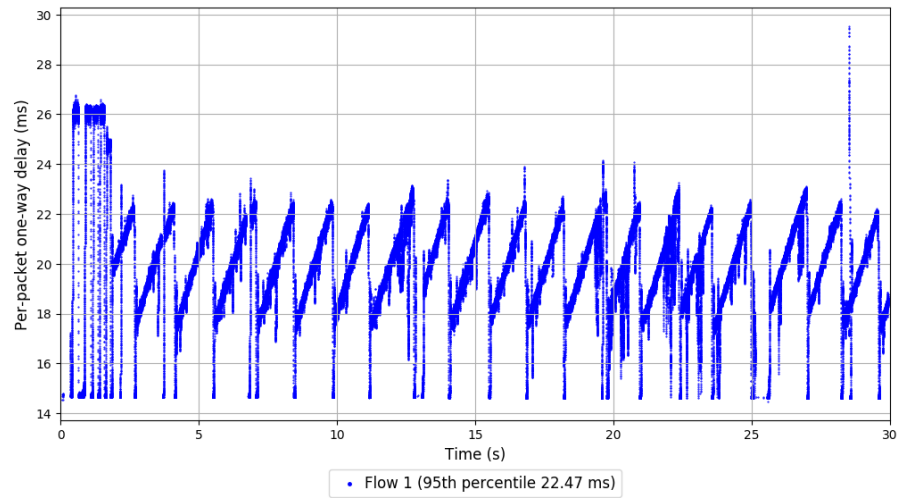
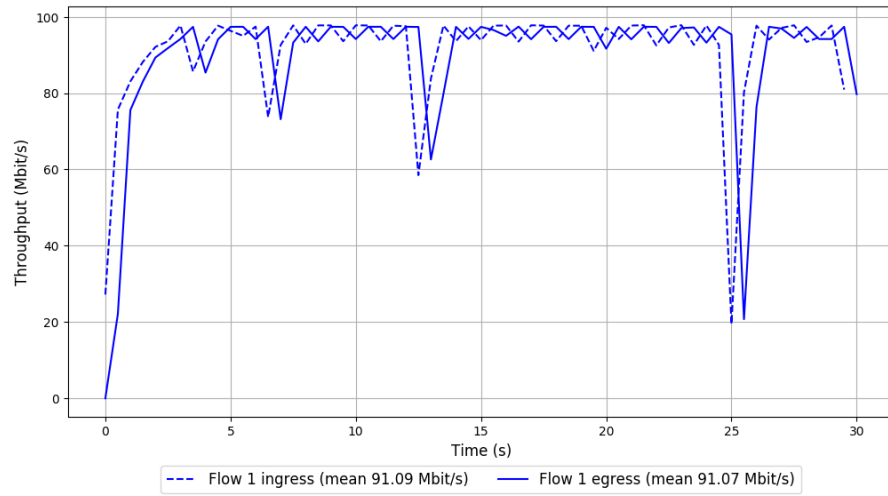


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 13:11:56
End at: 2018-07-10 13:12:26
Local clock offset: 1.557 ms
Remote clock offset: -14.985 ms

Below is generated by plot.py at 2018-07-10 15:57:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 22.473 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 22.473 ms
Loss rate: 0.11%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 13:31:56

End at: 2018-07-10 13:32:26

Local clock offset: 0.504 ms

Remote clock offset: -3.423 ms

Below is generated by plot.py at 2018-07-10 15:57:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.96 Mbit/s

95th percentile per-packet one-way delay: 26.177 ms

Loss rate: 0.13%

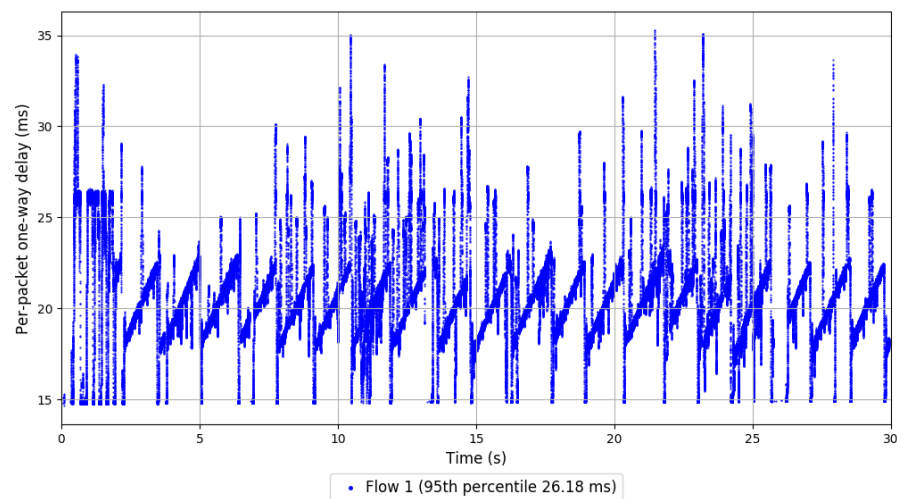
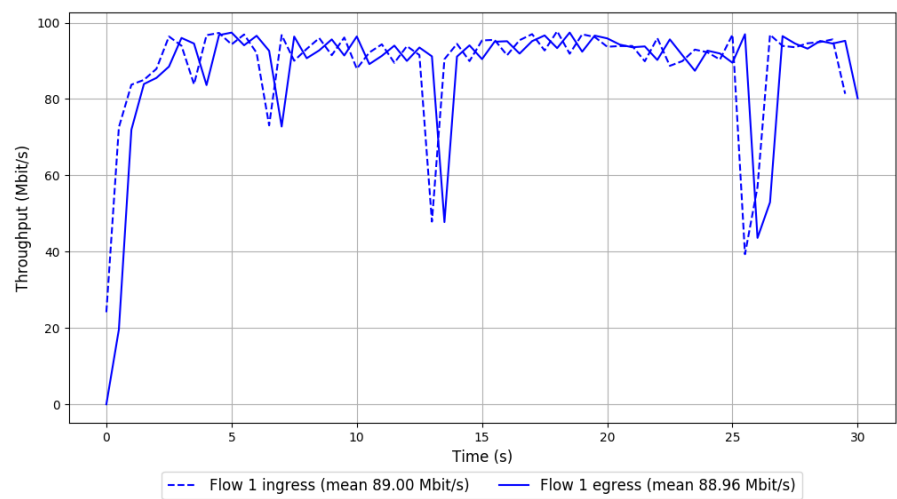
-- Flow 1:

Average throughput: 88.96 Mbit/s

95th percentile per-packet one-way delay: 26.177 ms

Loss rate: 0.13%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 13:52:24

End at: 2018-07-10 13:52:54

Local clock offset: 0.842 ms

Remote clock offset: 7.64 ms

Below is generated by plot.py at 2018-07-10 15:57:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 15.384 ms

Loss rate: 0.11%

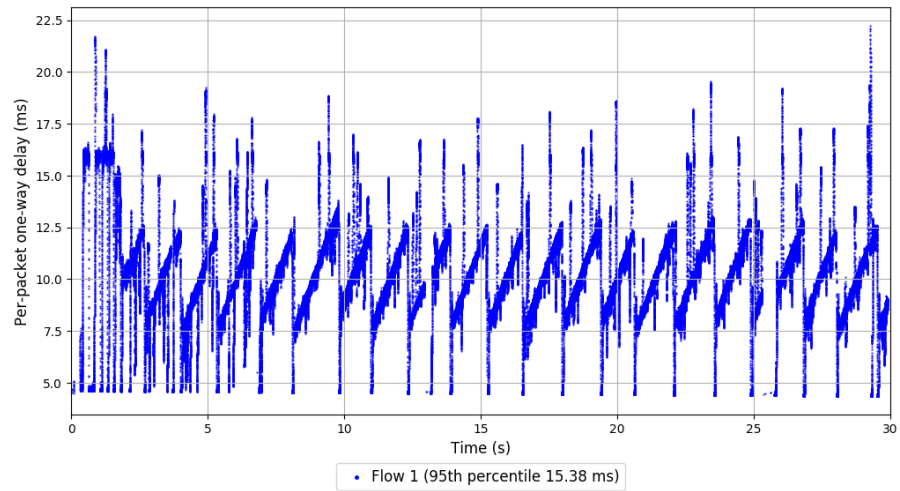
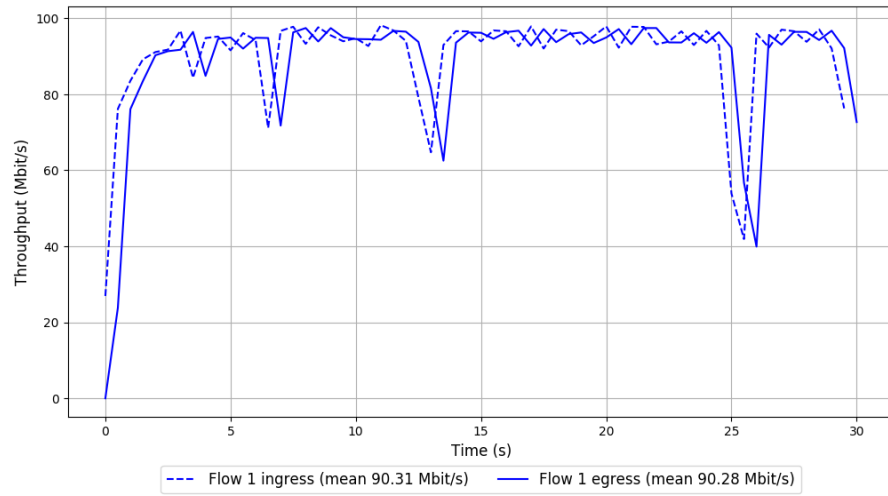
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 15.384 ms

Loss rate: 0.11%

Run 5: Report of QUIC Cubic — Data Link

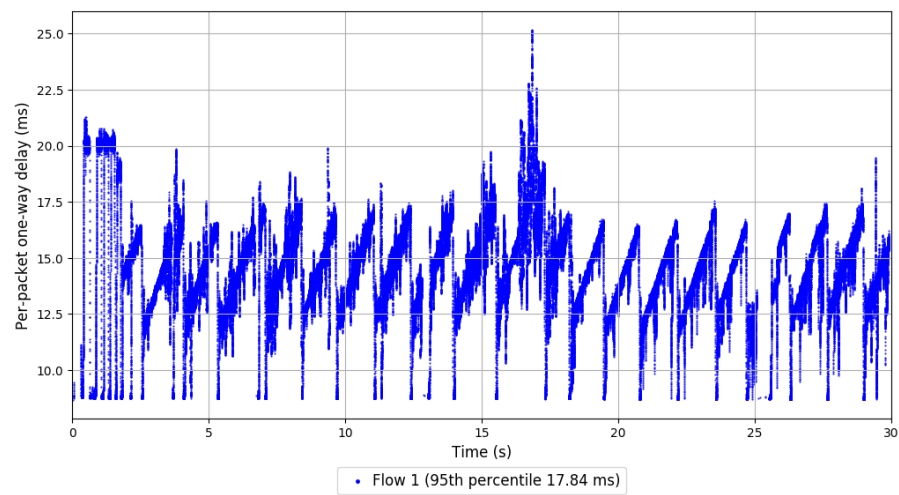
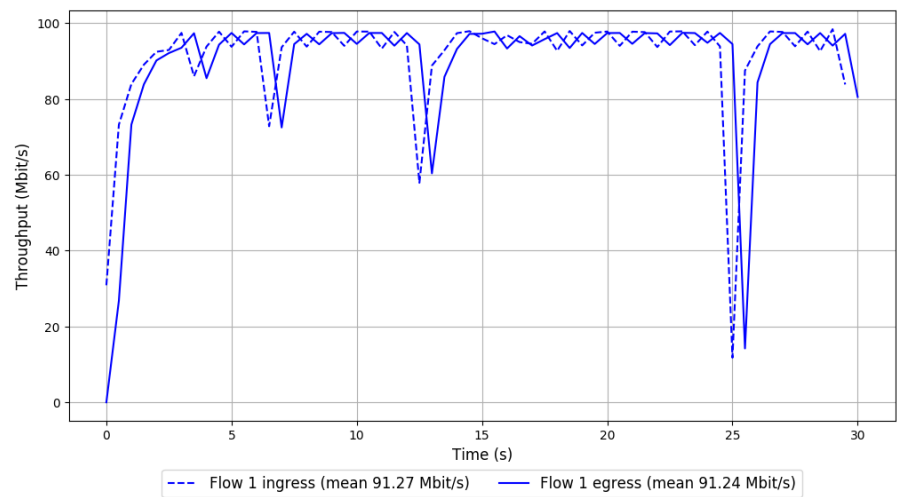


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 14:12:31
End at: 2018-07-10 14:13:01
Local clock offset: 1.398 ms
Remote clock offset: -0.937 ms

Below is generated by plot.py at 2018-07-10 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 17.841 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 17.841 ms
Loss rate: 0.12%

Run 6: Report of QUIC Cubic — Data Link

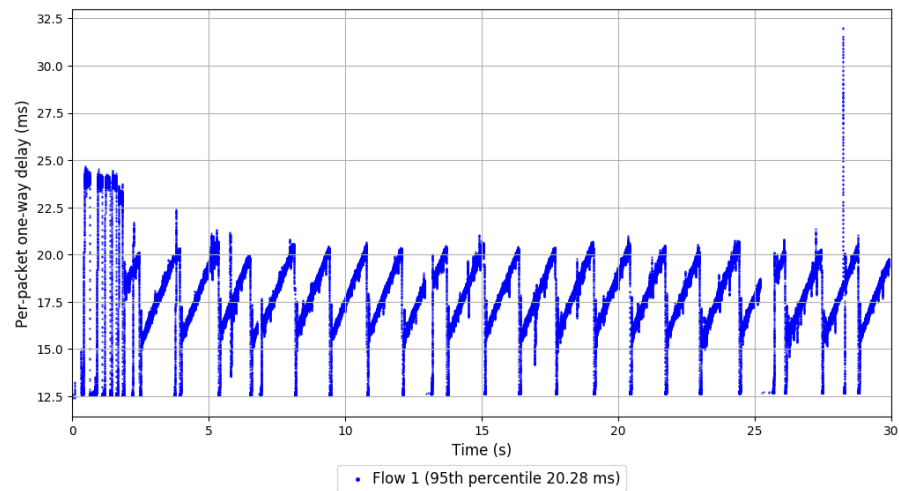
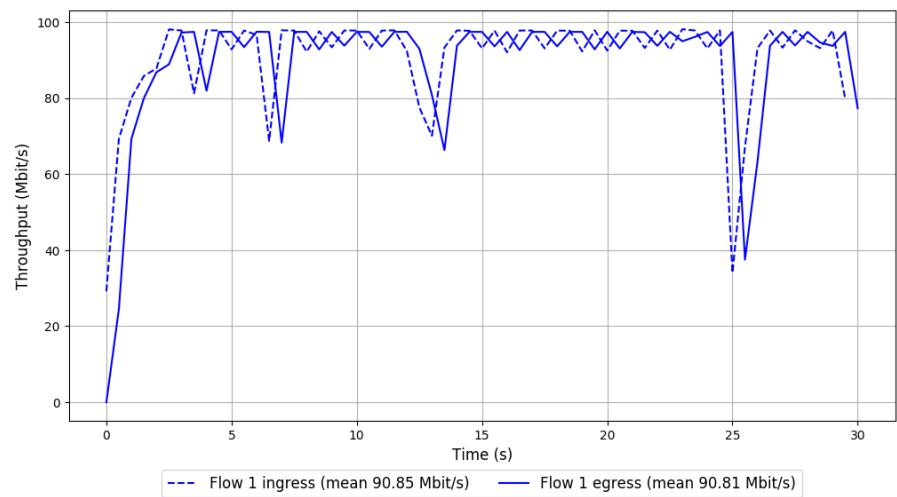


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 14:32:47
End at: 2018-07-10 14:33:17
Local clock offset: 1.325 ms
Remote clock offset: -0.736 ms

Below is generated by plot.py at 2018-07-10 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 20.281 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 20.281 ms
Loss rate: 0.12%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 14:52:56

End at: 2018-07-10 14:53:26

Local clock offset: 2.685 ms

Remote clock offset: -0.723 ms

Below is generated by plot.py at 2018-07-10 15:57:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 28.048 ms

Loss rate: 0.13%

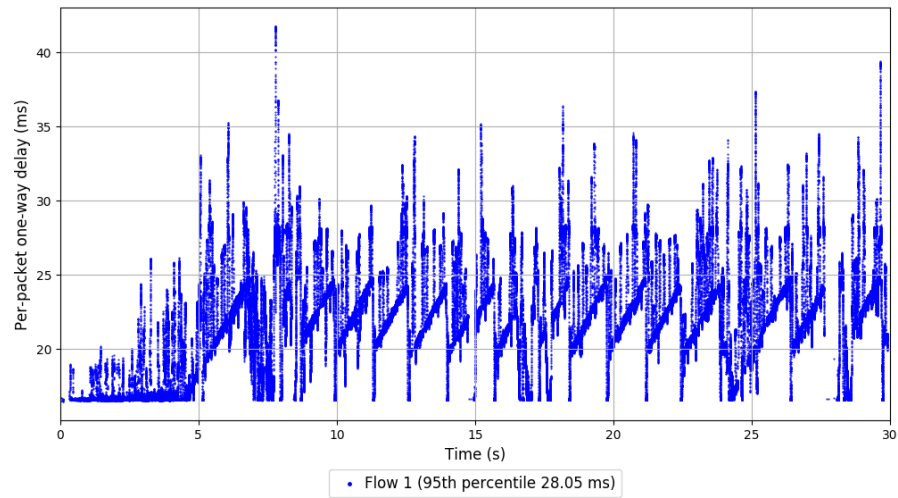
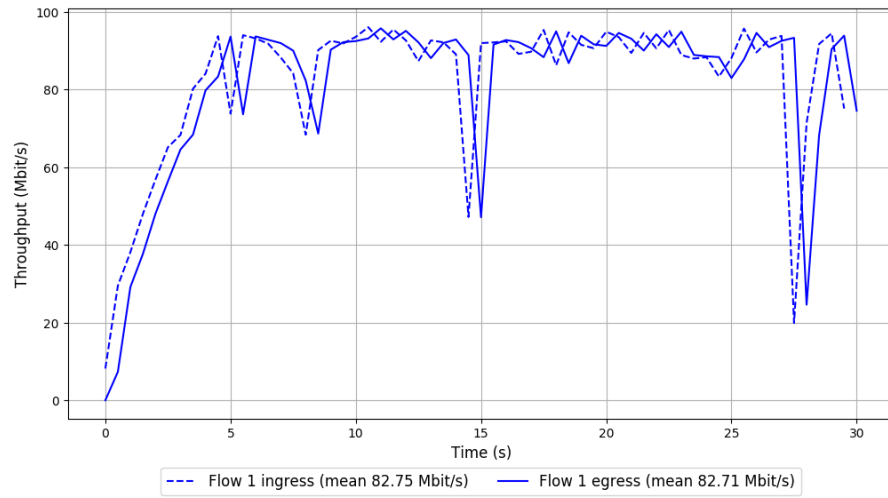
-- Flow 1:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 28.048 ms

Loss rate: 0.13%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 15:12:48

End at: 2018-07-10 15:13:18

Local clock offset: 0.915 ms

Remote clock offset: -1.6 ms

Below is generated by plot.py at 2018-07-10 15:57:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 24.403 ms

Loss rate: 0.11%

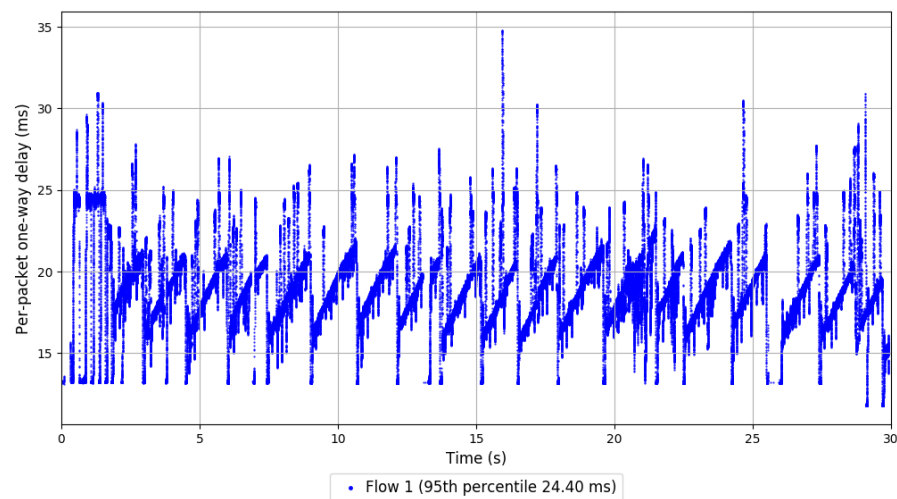
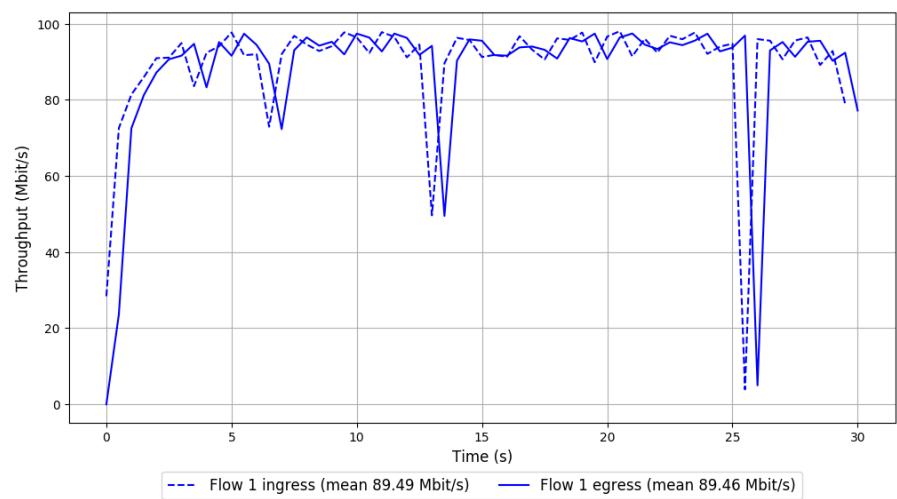
-- Flow 1:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 24.403 ms

Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 15:32:53

End at: 2018-07-10 15:33:23

Local clock offset: 2.389 ms

Remote clock offset: -7.609 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.57 Mbit/s

95th percentile per-packet one-way delay: 28.714 ms

Loss rate: 0.13%

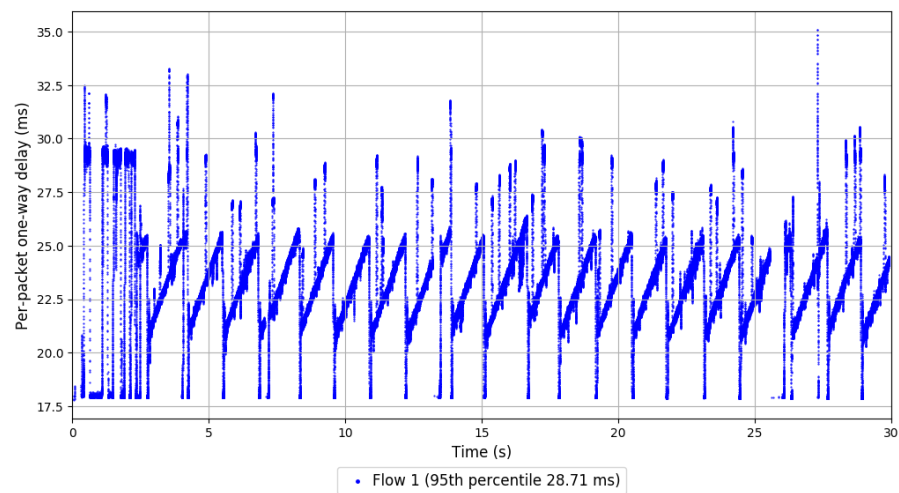
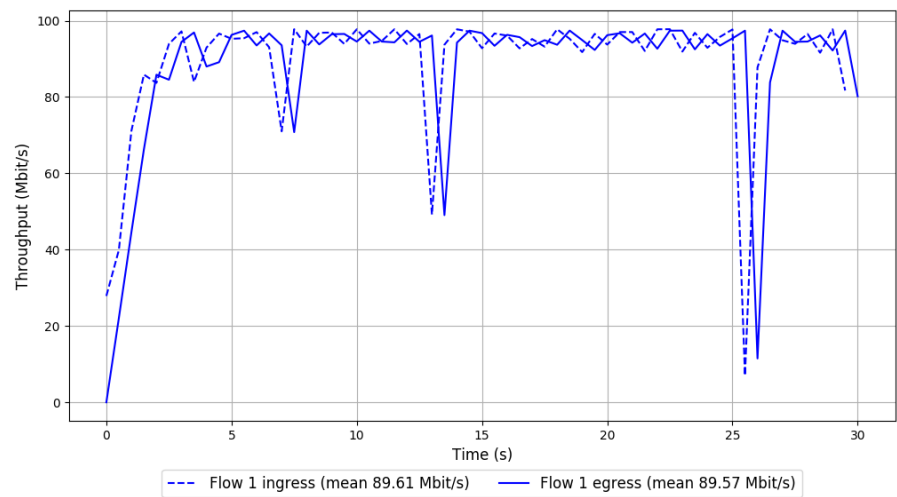
-- Flow 1:

Average throughput: 89.57 Mbit/s

95th percentile per-packet one-way delay: 28.714 ms

Loss rate: 0.13%

Run 10: Report of QUIC Cubic — Data Link

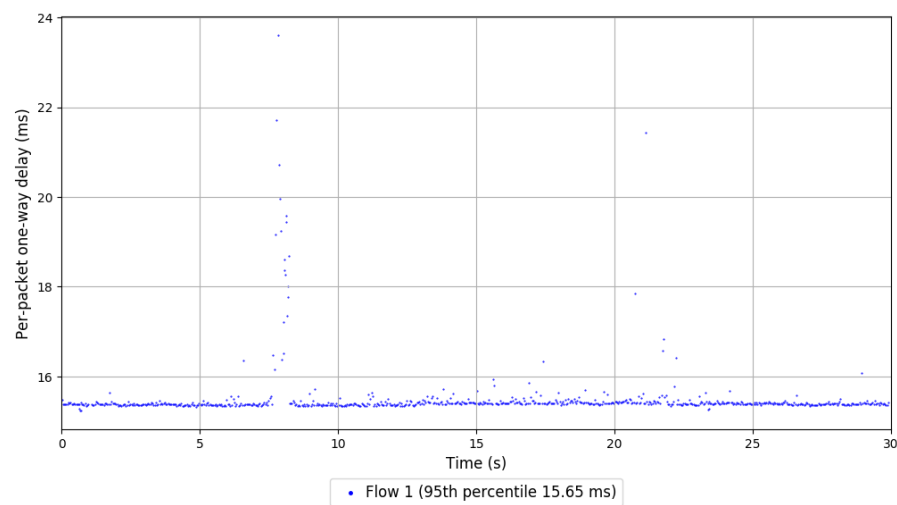
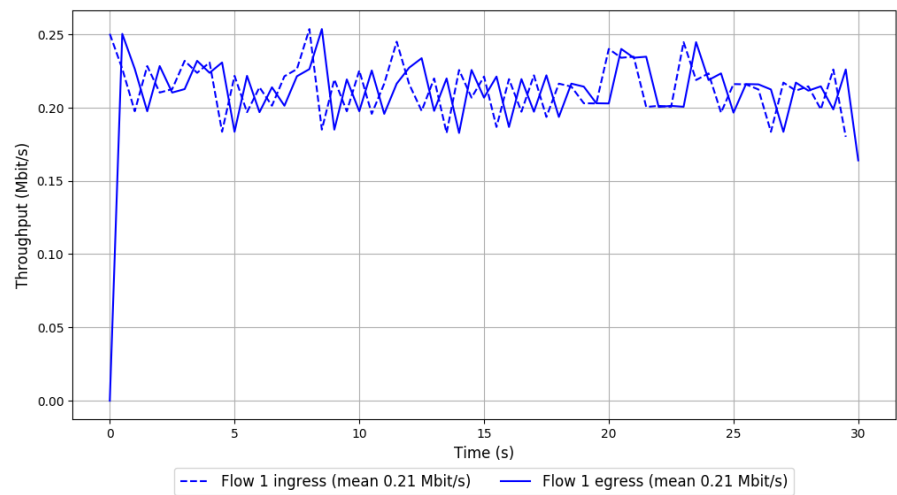


```
Run 1: Statistics of SCReAM

Start at: 2018-07-10 12:21:05
End at: 2018-07-10 12:21:35
Local clock offset: 1.854 ms
Remote clock offset: -6.83 ms

# Below is generated by plot.py at 2018-07-10 15:58:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.652 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.652 ms
Loss rate: 0.13%
```


Run 1: Report of SReAM — Data Link

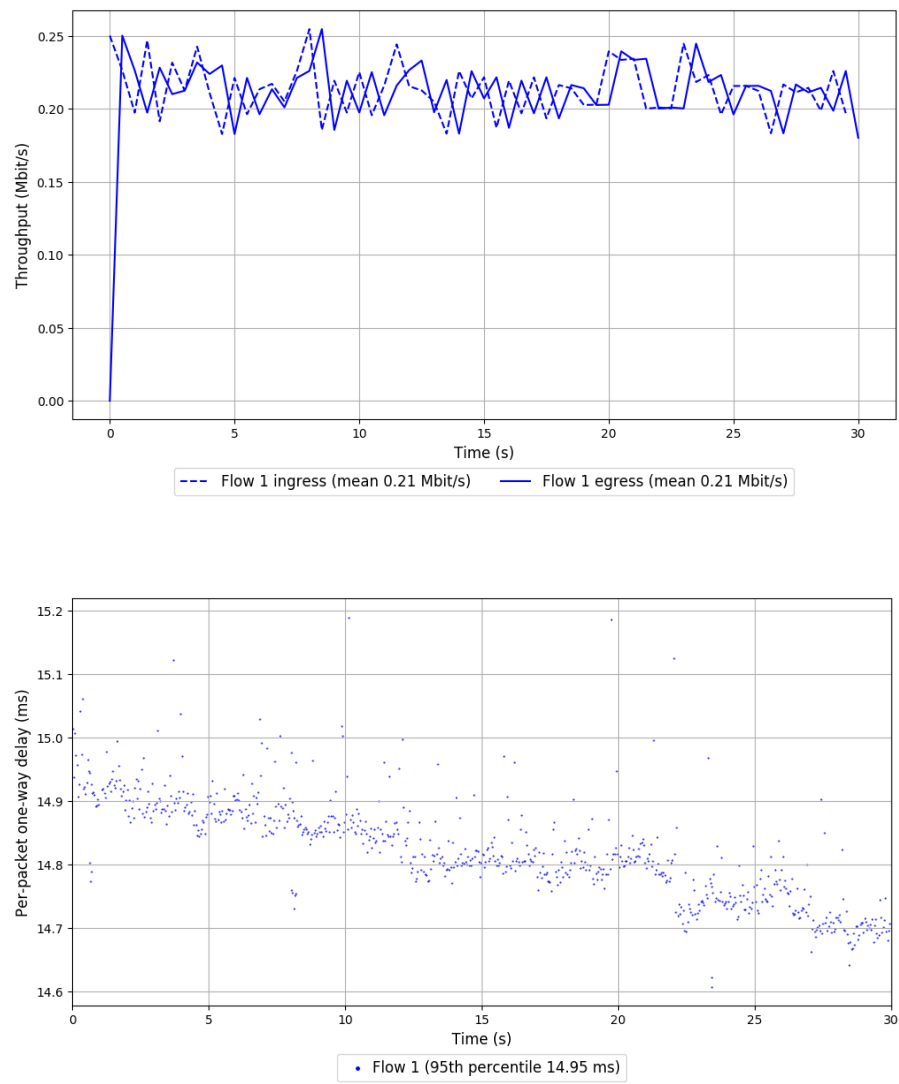


Run 2: Statistics of SCReAM

Start at: 2018-07-10 12:41:09
End at: 2018-07-10 12:41:39
Local clock offset: 2.317 ms
Remote clock offset: -7.461 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.948 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.948 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

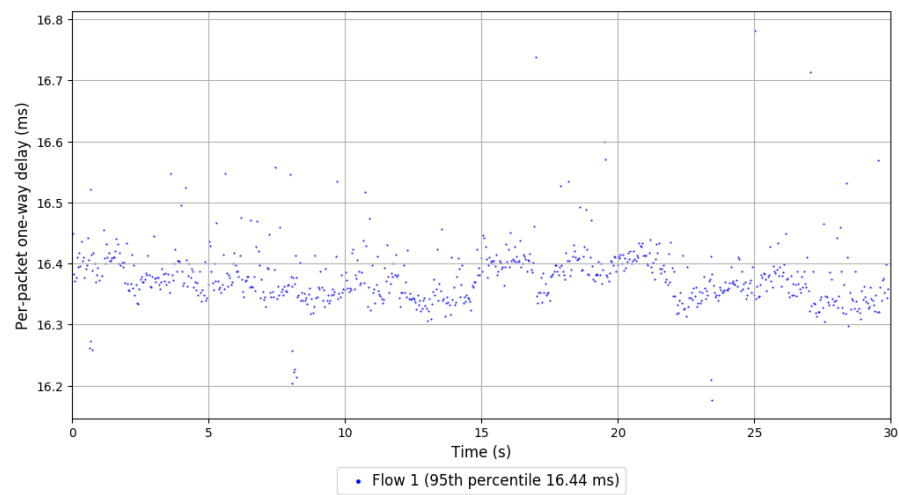
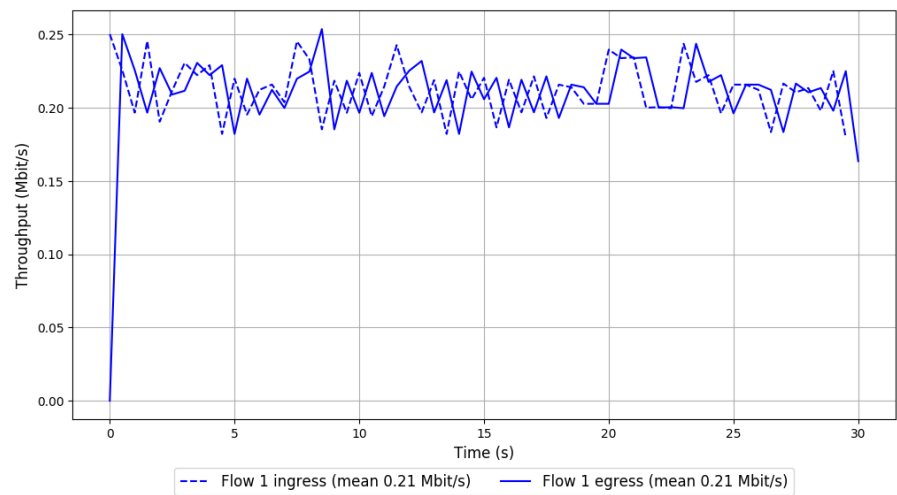


Run 3: Statistics of SCReAM

Start at: 2018-07-10 13:01:28
End at: 2018-07-10 13:01:58
Local clock offset: 3.175 ms
Remote clock offset: -13.684 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.442 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.442 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

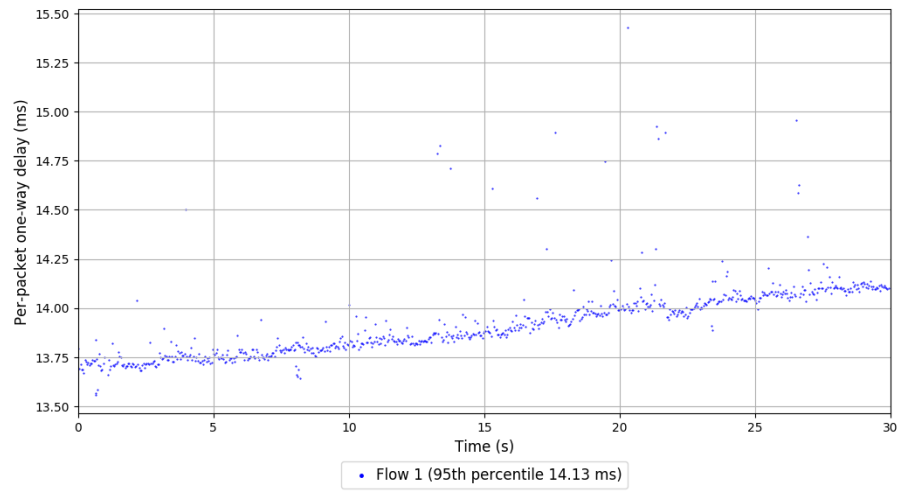
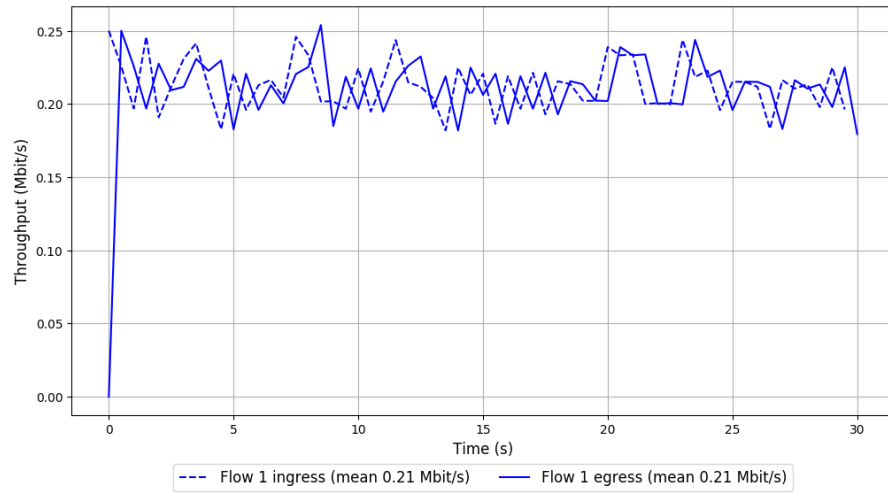


Run 4: Statistics of SCReAM

Start at: 2018-07-10 13:21:30
End at: 2018-07-10 13:22:00
Local clock offset: -0.427 ms
Remote clock offset: -8.465 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.126 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.126 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

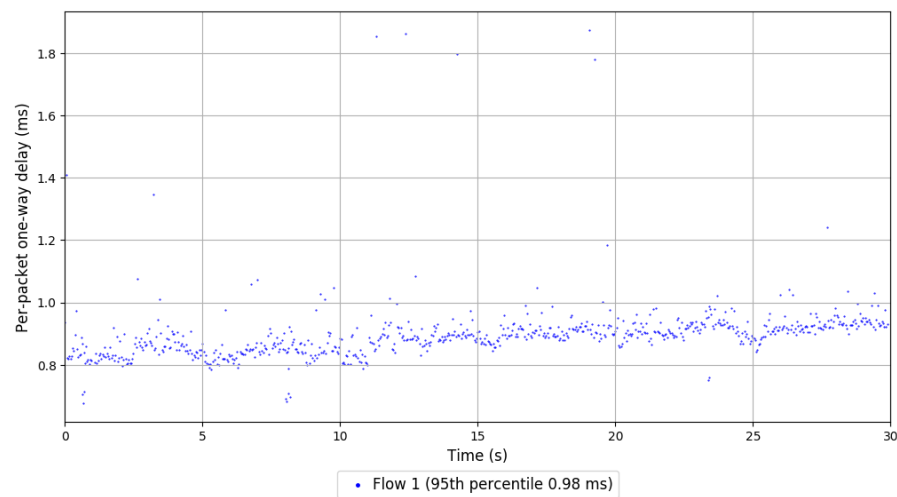
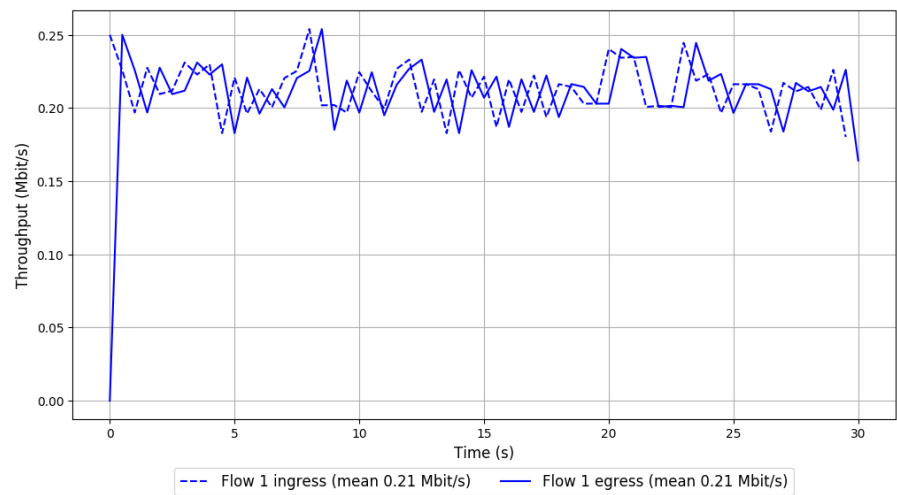


Run 5: Statistics of SCReAM

Start at: 2018-07-10 13:41:44
End at: 2018-07-10 13:42:14
Local clock offset: -0.766 ms
Remote clock offset: 11.176 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

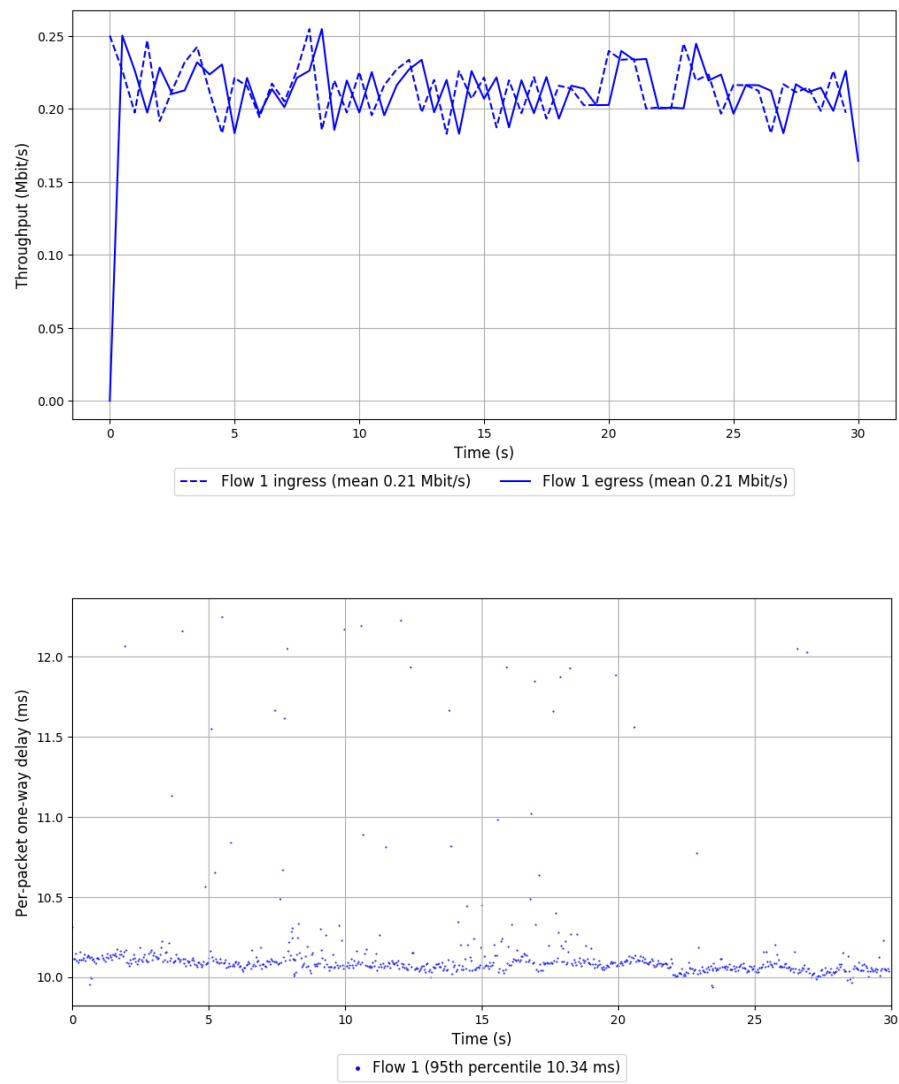


Run 6: Statistics of SCReAM

Start at: 2018-07-10 14:01:58
End at: 2018-07-10 14:02:28
Local clock offset: 0.057 ms
Remote clock offset: -1.993 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.344 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.344 ms
Loss rate: 0.26%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-10 14:22:11

End at: 2018-07-10 14:22:41

Local clock offset: -0.218 ms

Remote clock offset: -4.45 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.823 ms

Loss rate: 0.00%

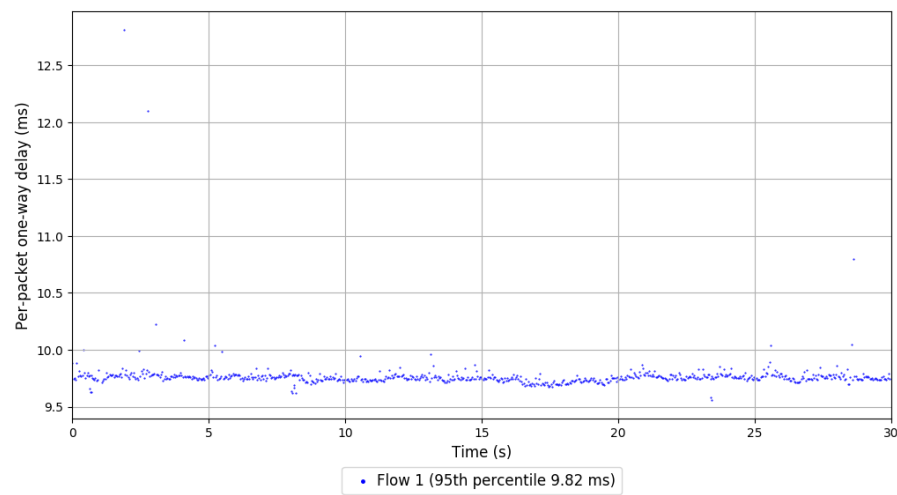
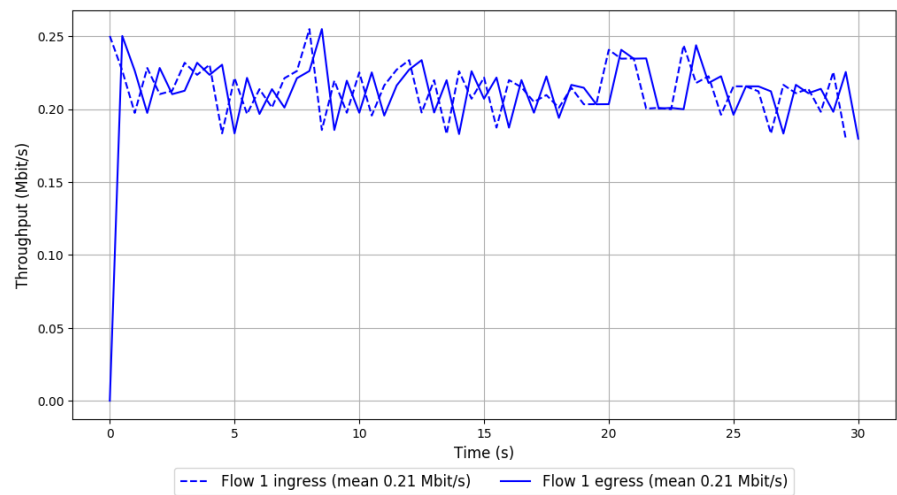
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.823 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-10 14:42:30

End at: 2018-07-10 14:43:00

Local clock offset: 3.541 ms

Remote clock offset: 6.438 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.581 ms

Loss rate: 0.13%

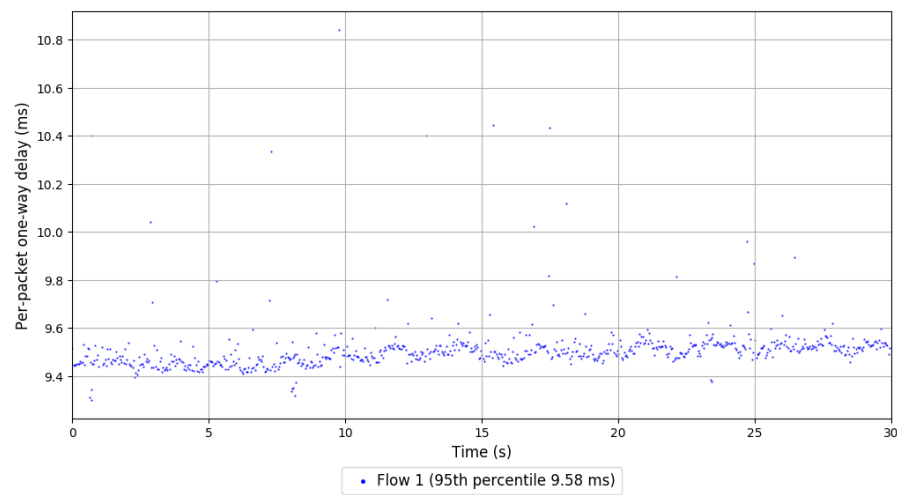
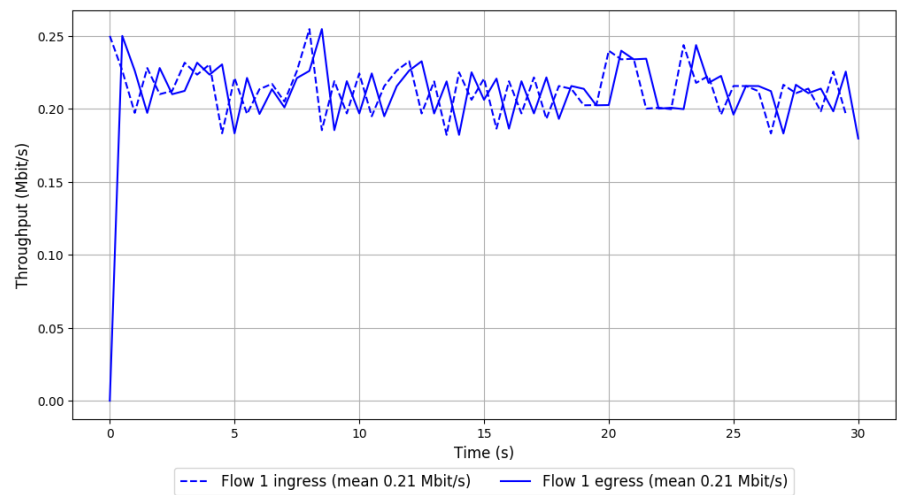
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.581 ms

Loss rate: 0.13%

Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-10 15:02:24

End at: 2018-07-10 15:02:54

Local clock offset: 1.782 ms

Remote clock offset: 6.433 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 6.664 ms

Loss rate: 0.00%

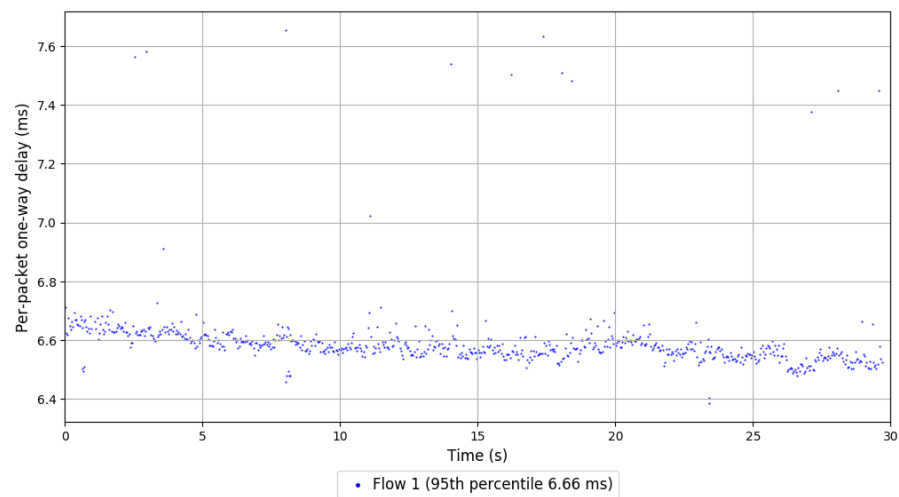
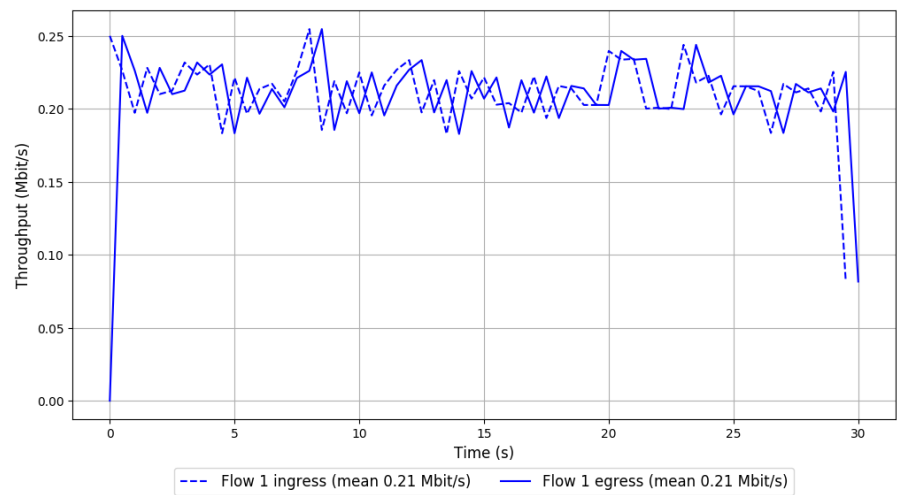
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 6.664 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-10 15:22:25

End at: 2018-07-10 15:22:55

Local clock offset: -0.507 ms

Remote clock offset: -4.57 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 12.708 ms

Loss rate: 0.09%

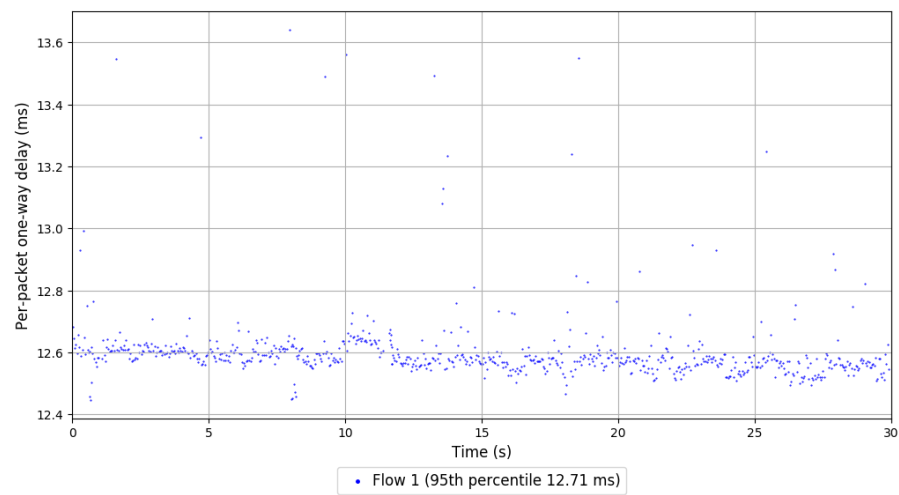
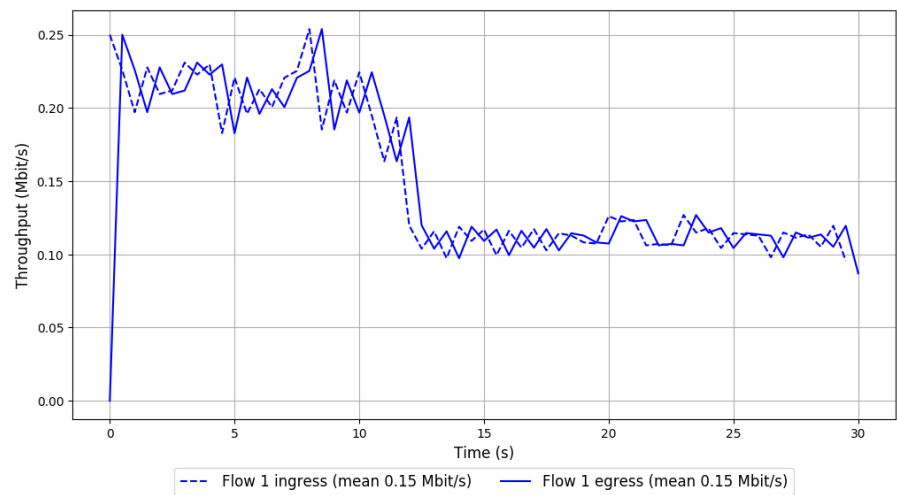
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 12.708 ms

Loss rate: 0.09%

Run 10: Report of SReAM — Data Link

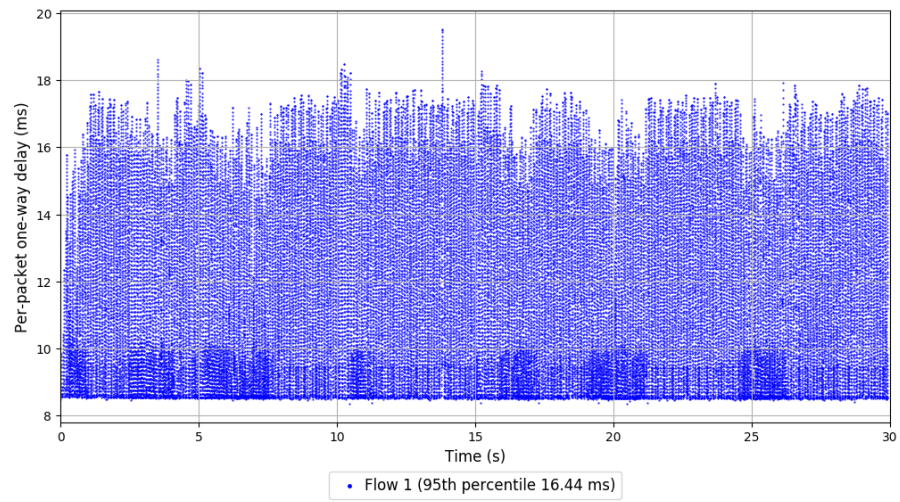
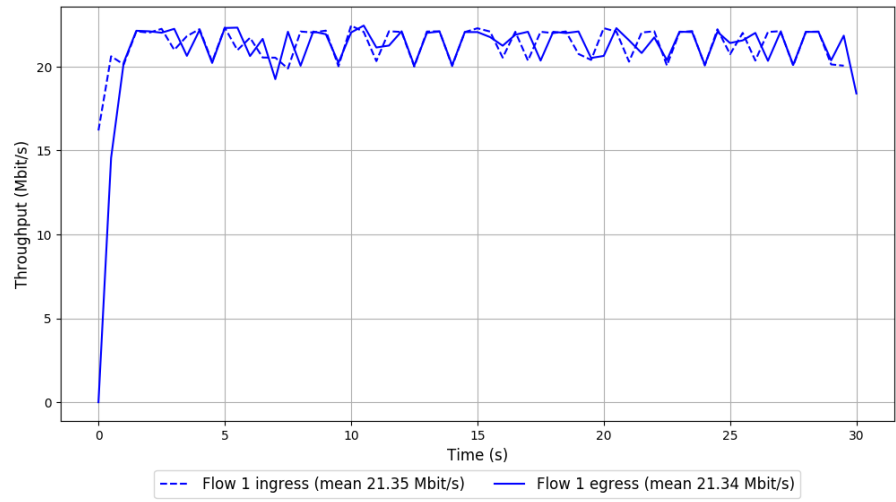


Run 1: Statistics of Sprout

Start at: 2018-07-10 12:29:13
End at: 2018-07-10 12:29:43
Local clock offset: -0.165 ms
Remote clock offset: -2.639 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 16.437 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 16.437 ms
Loss rate: 0.13%

Run 1: Report of Sprout — Data Link

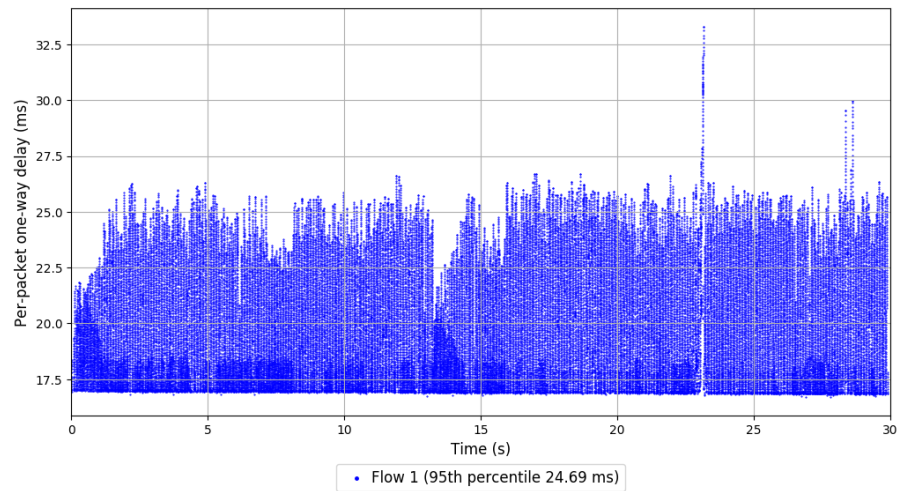
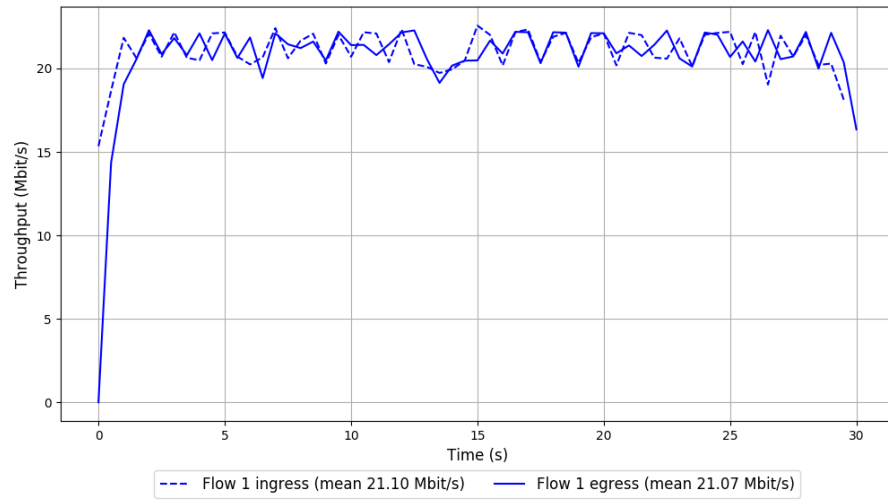


Run 2: Statistics of Sprout

Start at: 2018-07-10 12:49:32
End at: 2018-07-10 12:50:02
Local clock offset: 2.042 ms
Remote clock offset: -13.007 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 24.691 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 24.691 ms
Loss rate: 0.14%

Run 2: Report of Sprout — Data Link

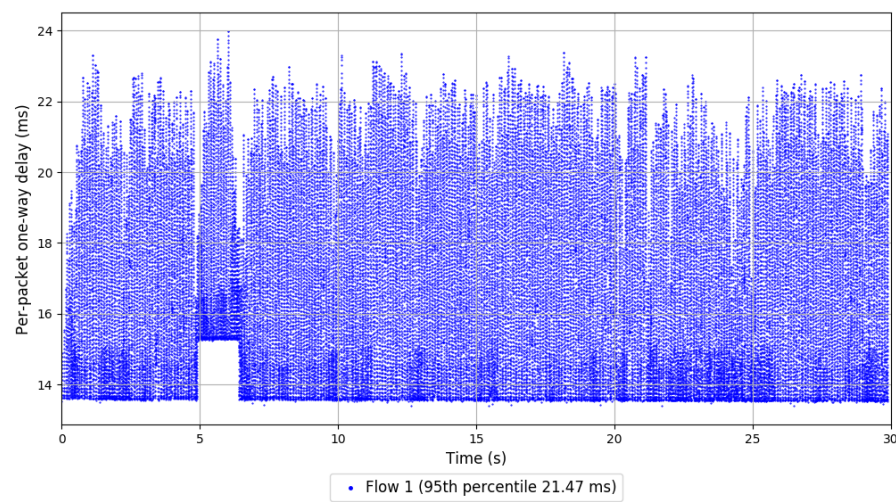
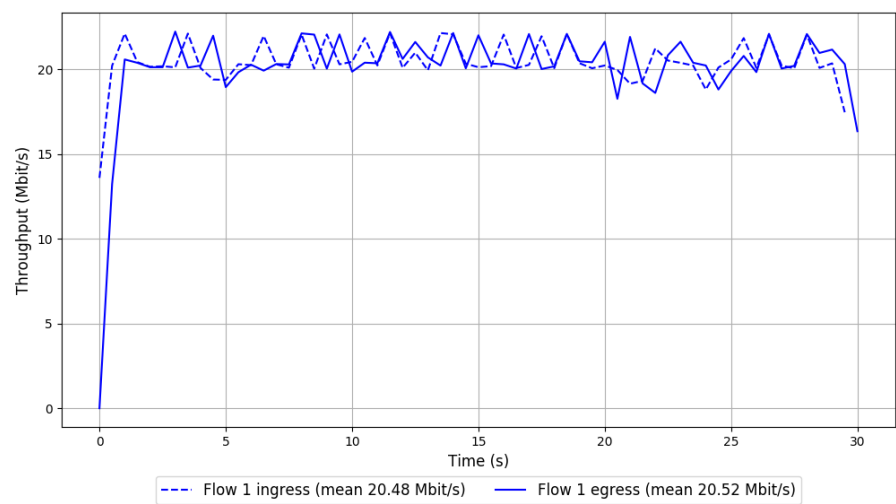


Run 3: Statistics of Sprout

Start at: 2018-07-10 13:09:38
End at: 2018-07-10 13:10:08
Local clock offset: -0.551 ms
Remote clock offset: -15.707 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 21.466 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 21.466 ms
Loss rate: 0.09%

Run 3: Report of Sprout — Data Link

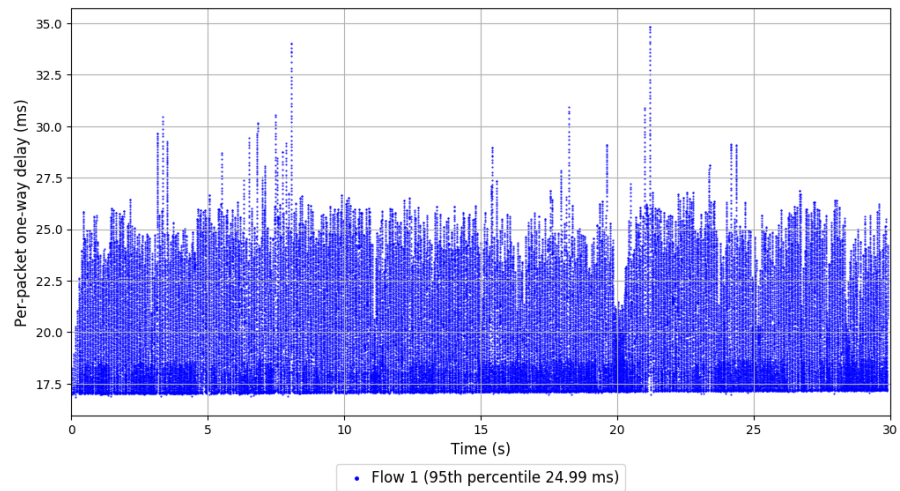
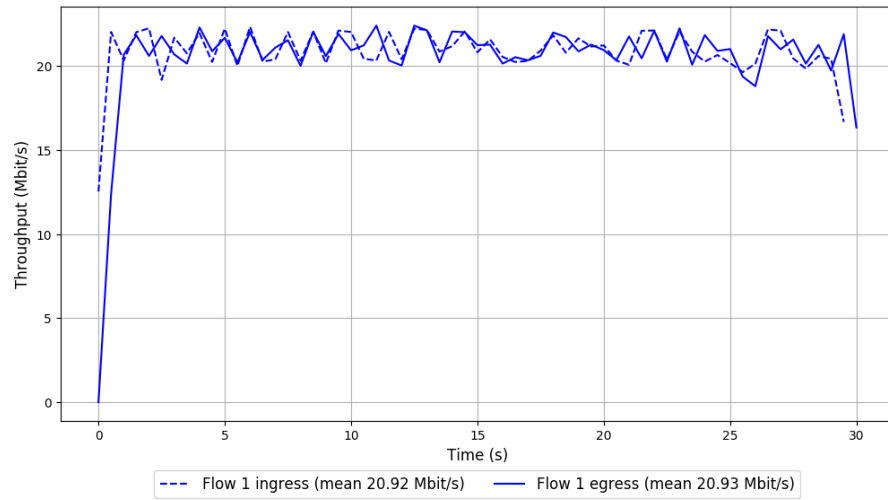


Run 4: Statistics of Sprout

Start at: 2018-07-10 13:29:39
End at: 2018-07-10 13:30:09
Local clock offset: 3.301 ms
Remote clock offset: -3.589 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 24.986 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 24.986 ms
Loss rate: 0.03%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-10 13:50:00

End at: 2018-07-10 13:50:30

Local clock offset: -0.201 ms

Remote clock offset: 8.693 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 11.744 ms

Loss rate: 0.16%

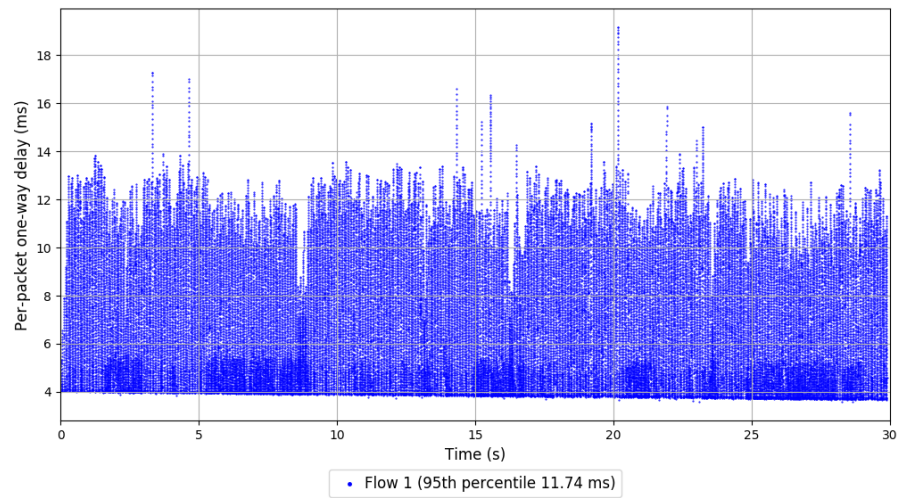
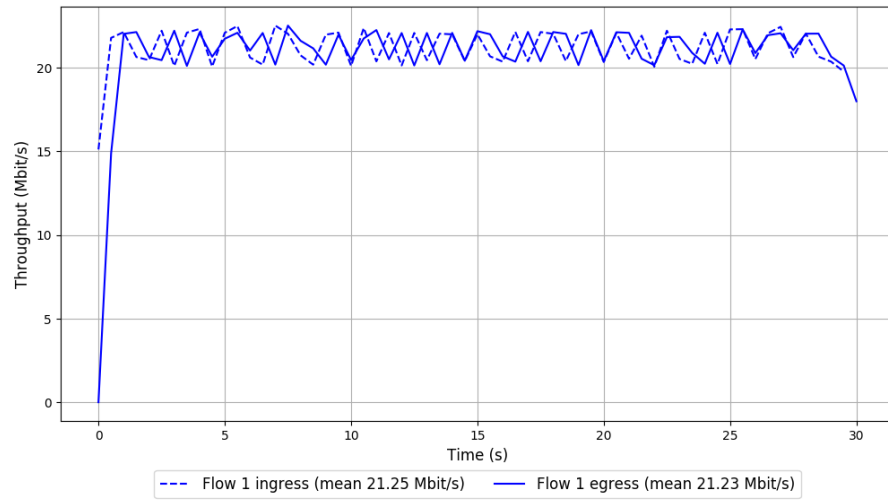
-- Flow 1:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 11.744 ms

Loss rate: 0.16%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-10 14:10:09

End at: 2018-07-10 14:10:39

Local clock offset: -2.626 ms

Remote clock offset: 0.831 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.31 Mbit/s

95th percentile per-packet one-way delay: 11.013 ms

Loss rate: 0.00%

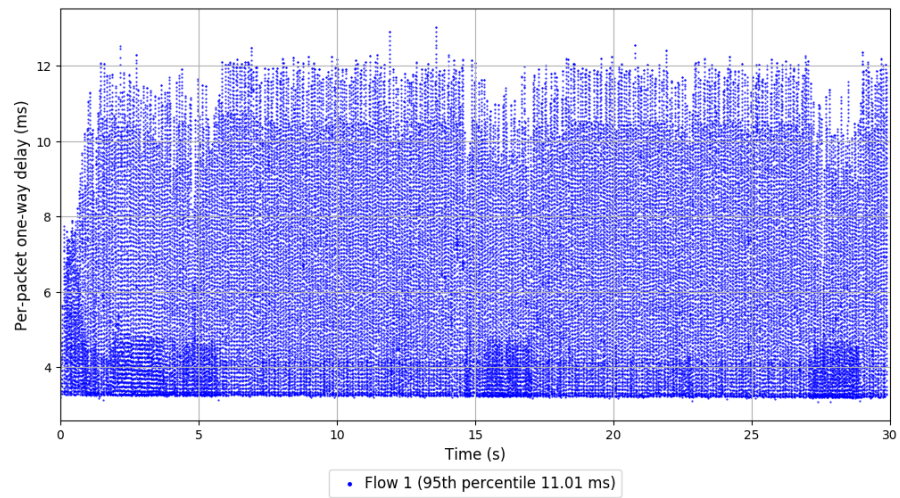
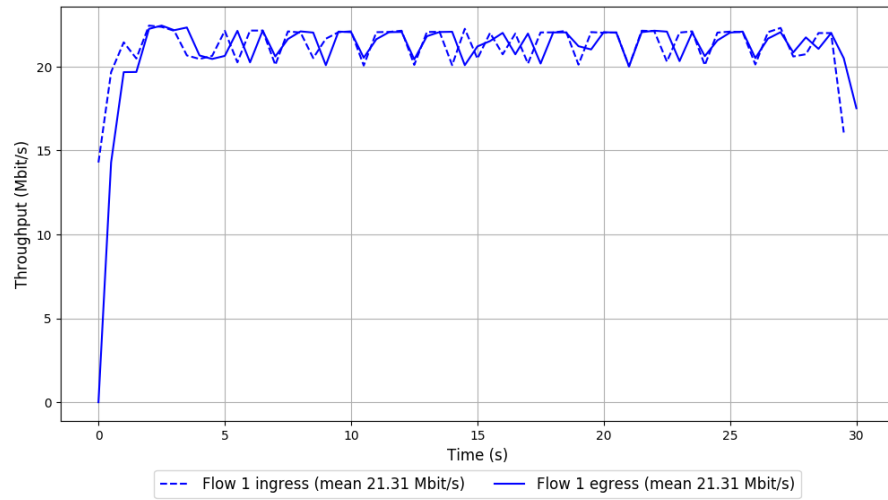
-- Flow 1:

Average throughput: 21.31 Mbit/s

95th percentile per-packet one-way delay: 11.013 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-10 14:30:26

End at: 2018-07-10 14:30:56

Local clock offset: 1.963 ms

Remote clock offset: 6.723 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 12.682 ms

Loss rate: 0.16%

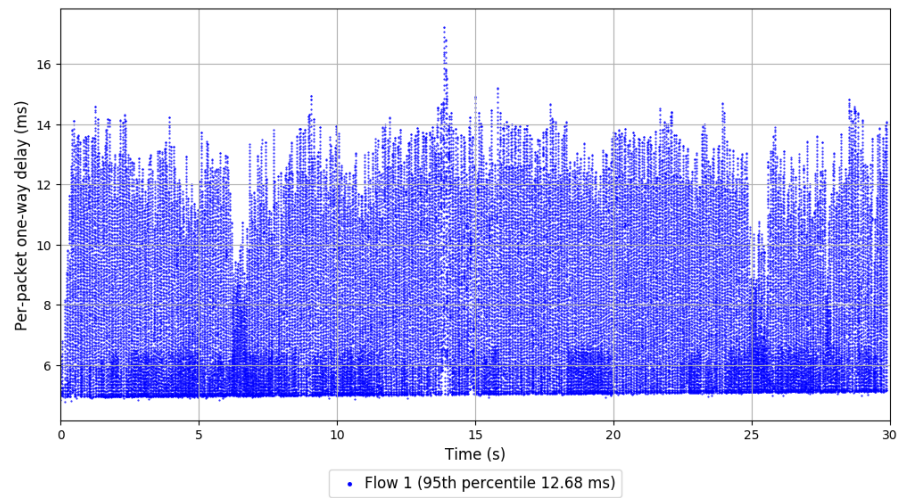
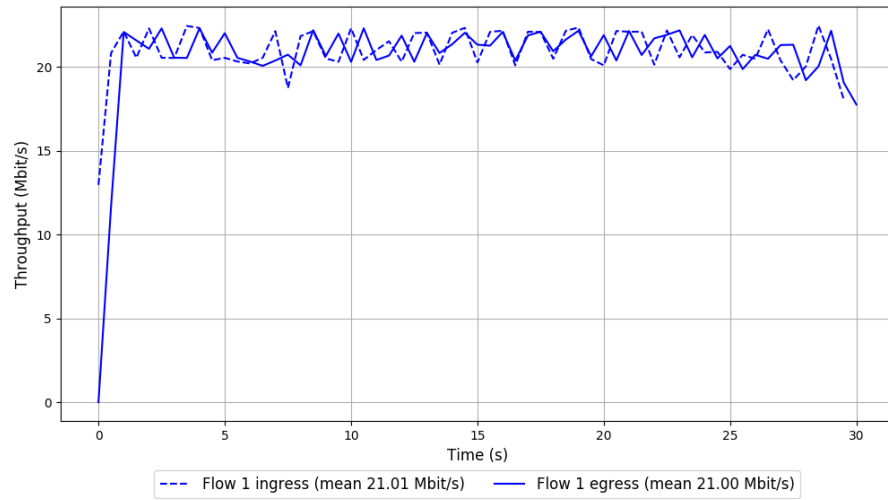
-- Flow 1:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 12.682 ms

Loss rate: 0.16%

Run 7: Report of Sprout — Data Link

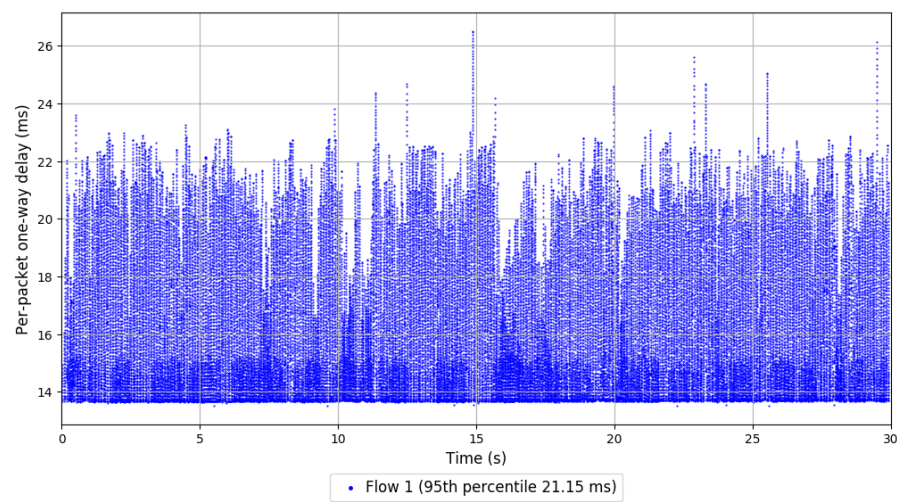
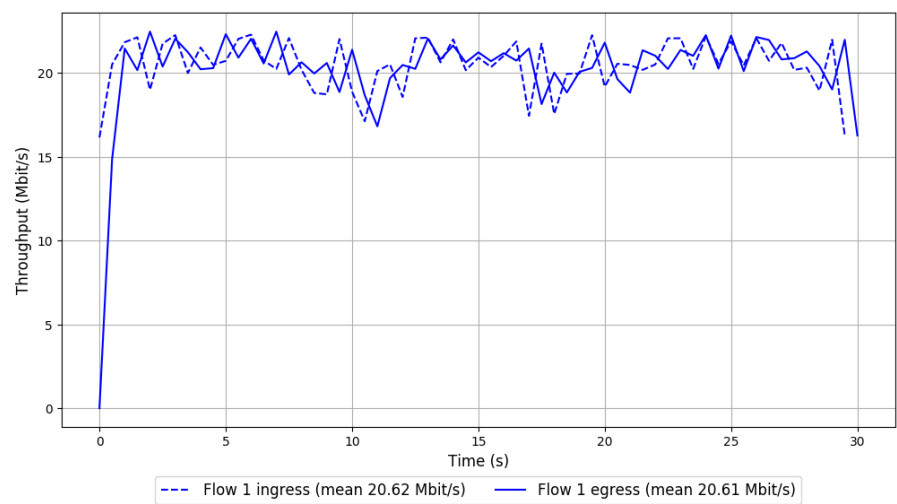


Run 8: Statistics of Sprout

Start at: 2018-07-10 14:50:37
End at: 2018-07-10 14:51:07
Local clock offset: 0.493 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 21.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 21.153 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

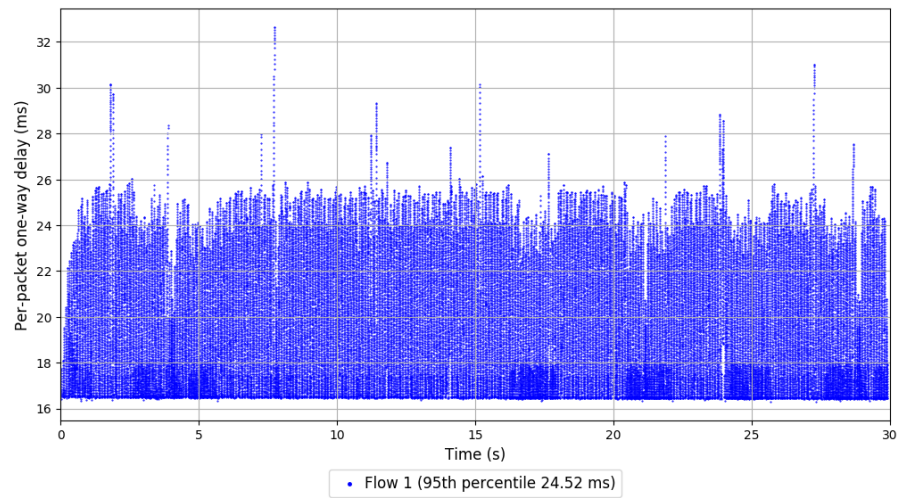
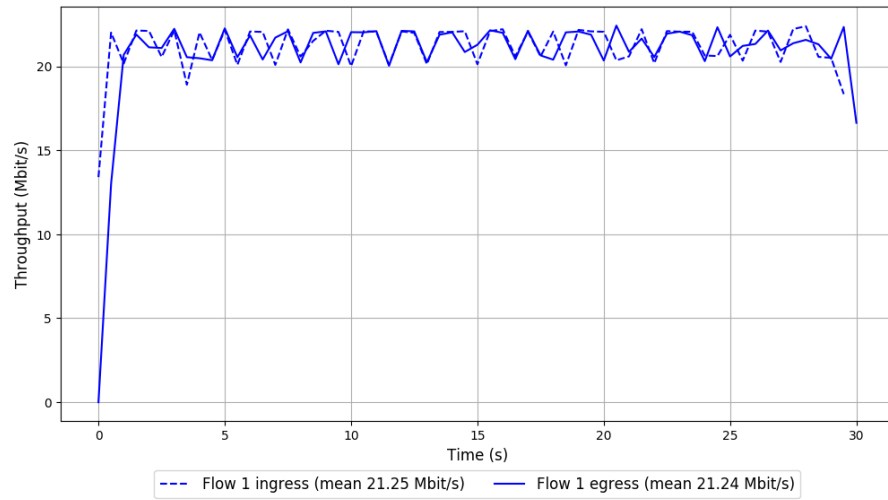


Run 9: Statistics of Sprout

Start at: 2018-07-10 15:10:29
End at: 2018-07-10 15:10:59
Local clock offset: 2.606 ms
Remote clock offset: -4.265 ms

Below is generated by plot.py at 2018-07-10 15:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 24.524 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 24.524 ms
Loss rate: 0.13%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-10 15:30:35

End at: 2018-07-10 15:31:05

Local clock offset: 0.997 ms

Remote clock offset: -8.714 ms

Below is generated by plot.py at 2018-07-10 15:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.75 Mbit/s

95th percentile per-packet one-way delay: 26.418 ms

Loss rate: 0.19%

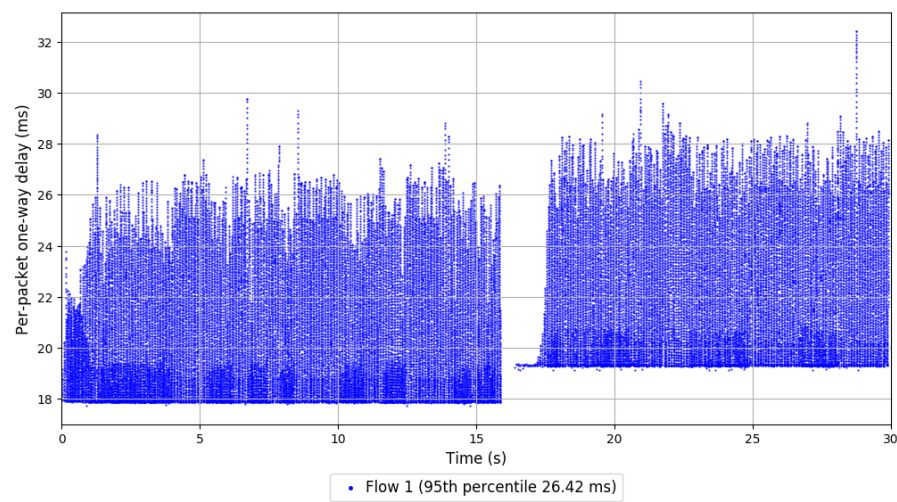
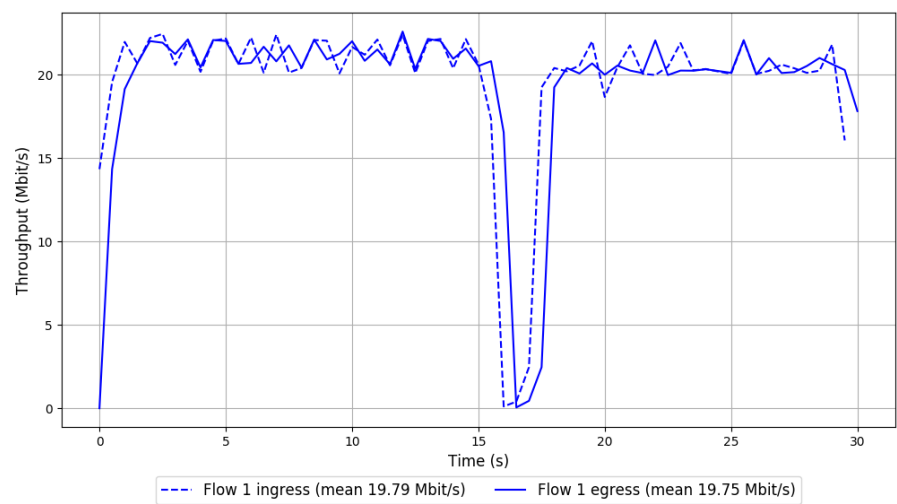
-- Flow 1:

Average throughput: 19.75 Mbit/s

95th percentile per-packet one-way delay: 26.418 ms

Loss rate: 0.19%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 12:27:57

End at: 2018-07-10 12:28:27

Local clock offset: 0.12 ms

Remote clock offset: -6.864 ms

Below is generated by plot.py at 2018-07-10 16:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 15.253 ms

Loss rate: 0.08%

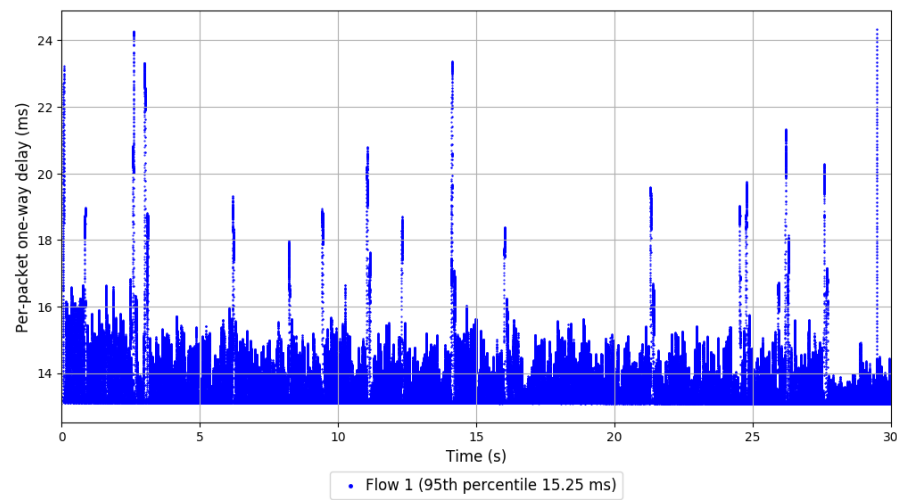
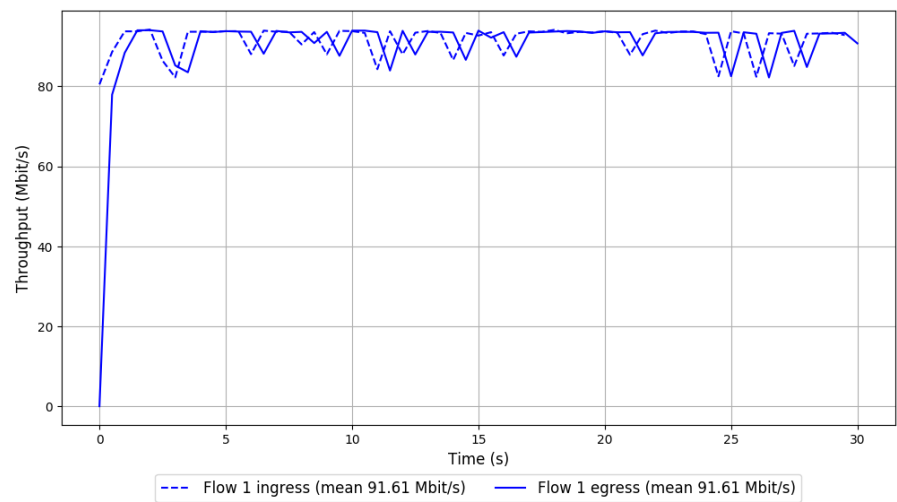
-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 15.253 ms

Loss rate: 0.08%

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

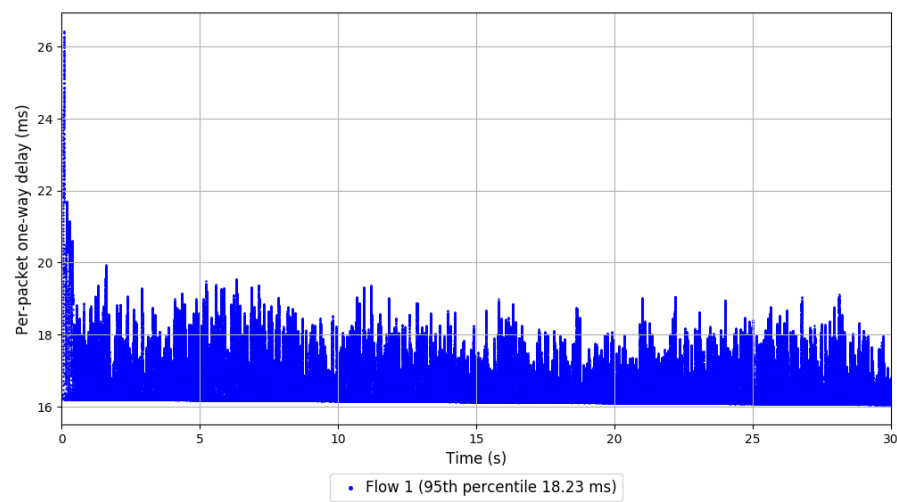
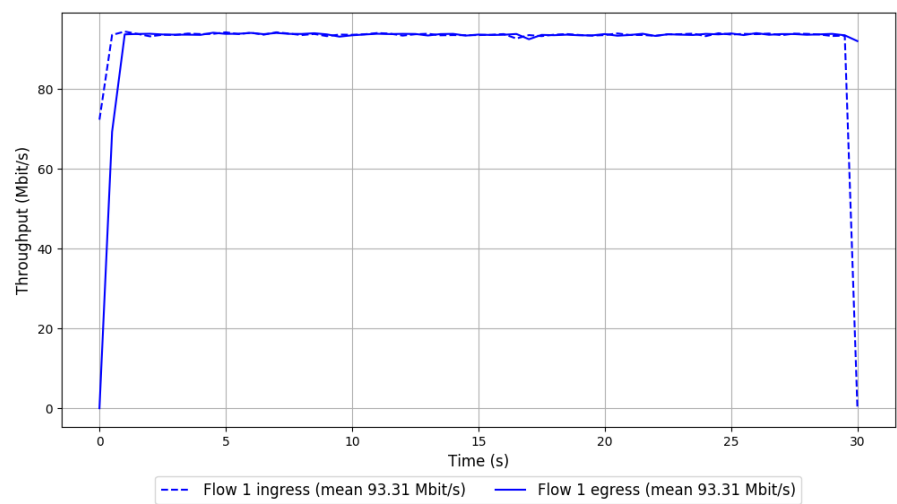


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 12:48:10
End at: 2018-07-10 12:48:40
Local clock offset: -0.006 ms
Remote clock offset: -13.909 ms

Below is generated by plot.py at 2018-07-10 16:00:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 18.233 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 18.233 ms
Loss rate: 0.08%

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

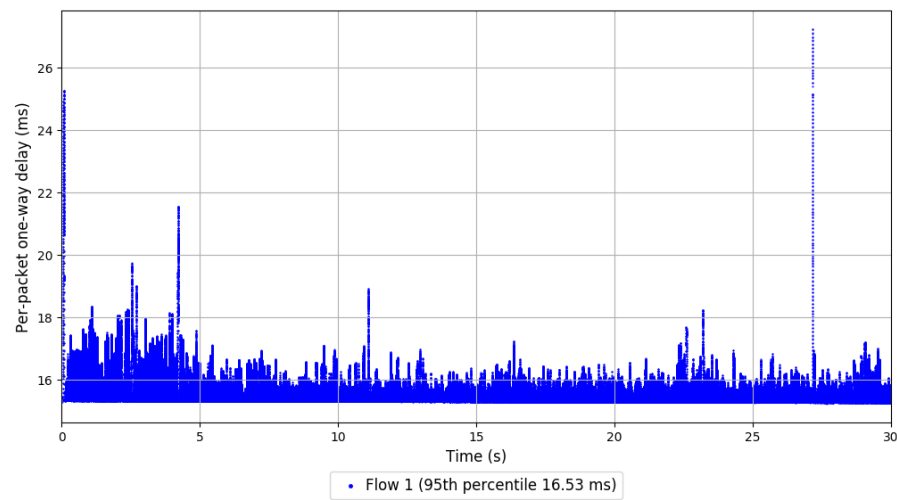
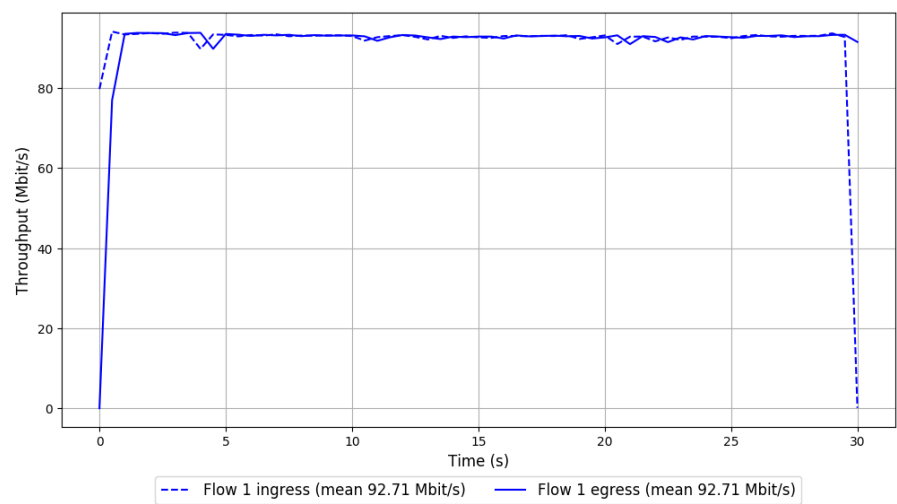


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 13:08:23
End at: 2018-07-10 13:08:53
Local clock offset: 2.087 ms
Remote clock offset: -14.682 ms

Below is generated by plot.py at 2018-07-10 16:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 16.528 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 16.528 ms
Loss rate: 0.08%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 13:28:23

End at: 2018-07-10 13:28:53

Local clock offset: 1.55 ms

Remote clock offset: -3.857 ms

Below is generated by plot.py at 2018-07-10 16:00:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 18.495 ms

Loss rate: 0.09%

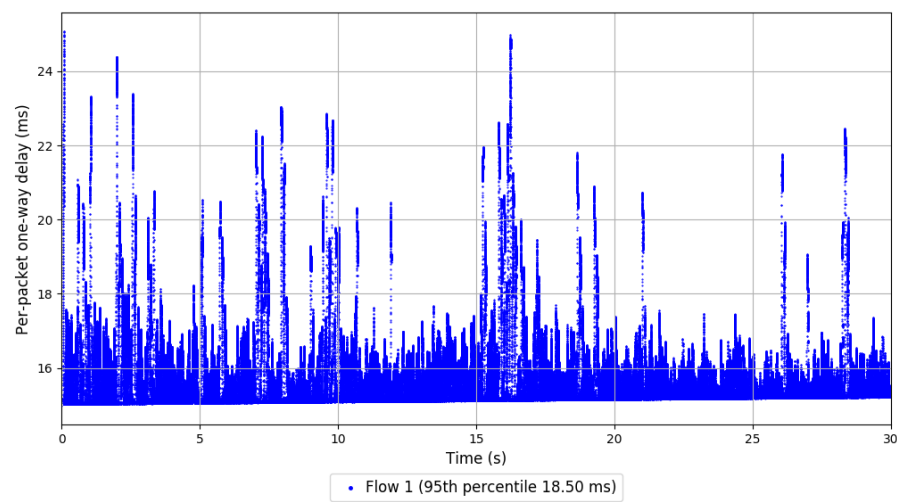
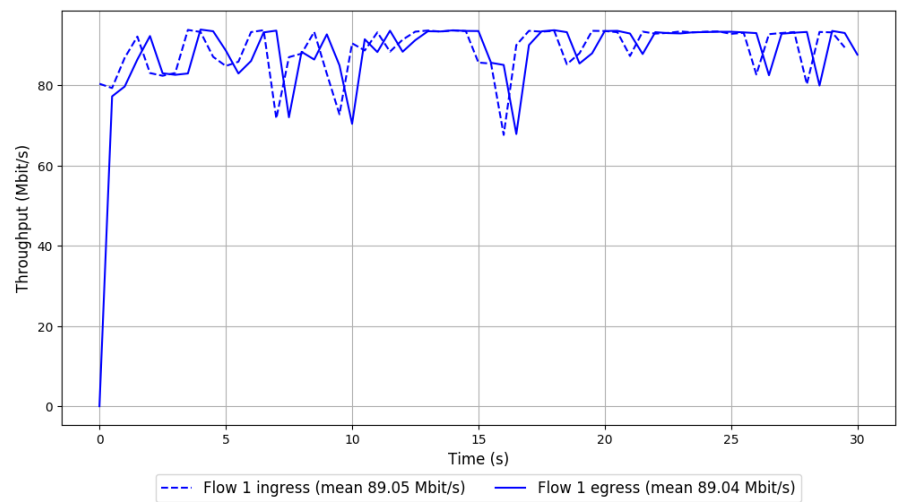
-- Flow 1:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 18.495 ms

Loss rate: 0.09%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 13:48:42

End at: 2018-07-10 13:49:12

Local clock offset: 1.577 ms

Remote clock offset: 11.814 ms

Below is generated by plot.py at 2018-07-10 16:00:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.97 Mbit/s

95th percentile per-packet one-way delay: 8.131 ms

Loss rate: 0.05%

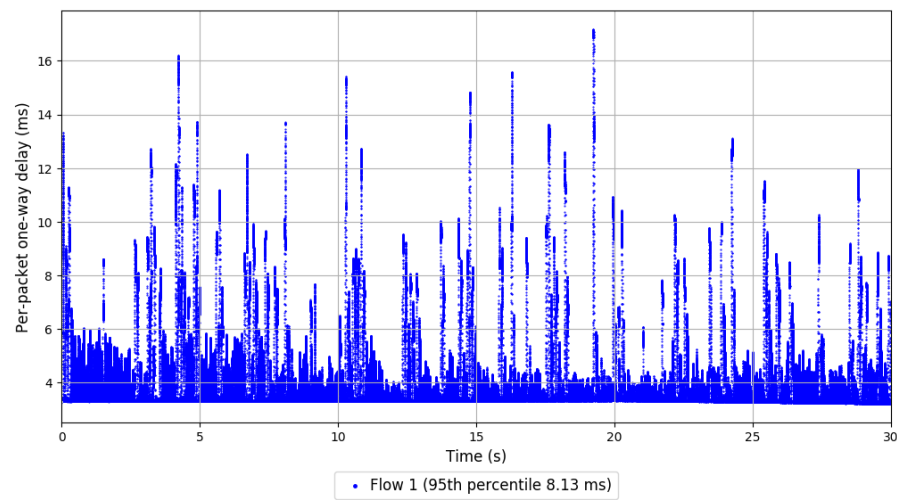
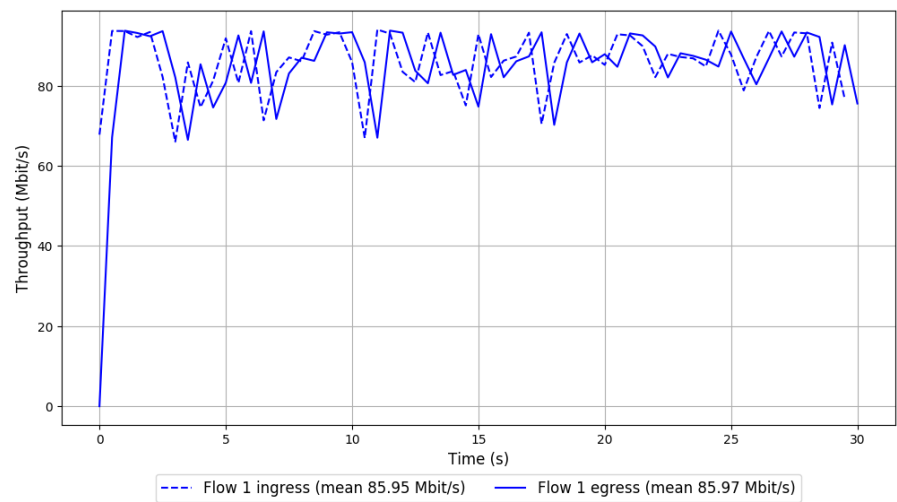
-- Flow 1:

Average throughput: 85.97 Mbit/s

95th percentile per-packet one-way delay: 8.131 ms

Loss rate: 0.05%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 14:08:53

End at: 2018-07-10 14:09:23

Local clock offset: 2.593 ms

Remote clock offset: -1.628 ms

Below is generated by plot.py at 2018-07-10 16:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 13.615 ms

Loss rate: 0.08%

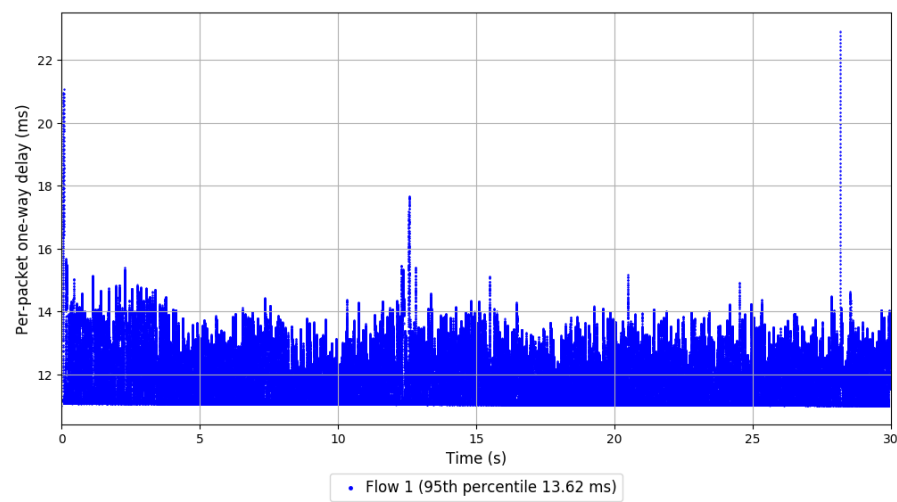
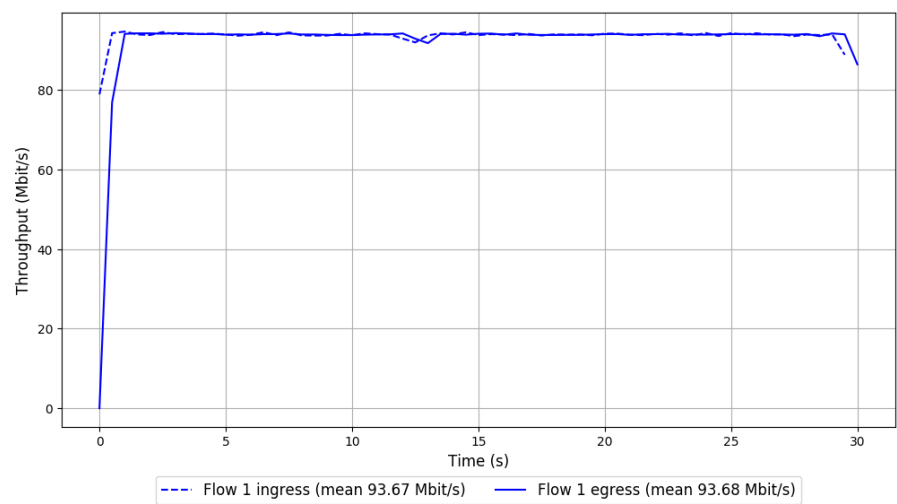
-- Flow 1:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 13.615 ms

Loss rate: 0.08%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 14:29:10

End at: 2018-07-10 14:29:40

Local clock offset: 2.399 ms

Remote clock offset: 3.753 ms

Below is generated by plot.py at 2018-07-10 16:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.66 Mbit/s

95th percentile per-packet one-way delay: 10.242 ms

Loss rate: 0.09%

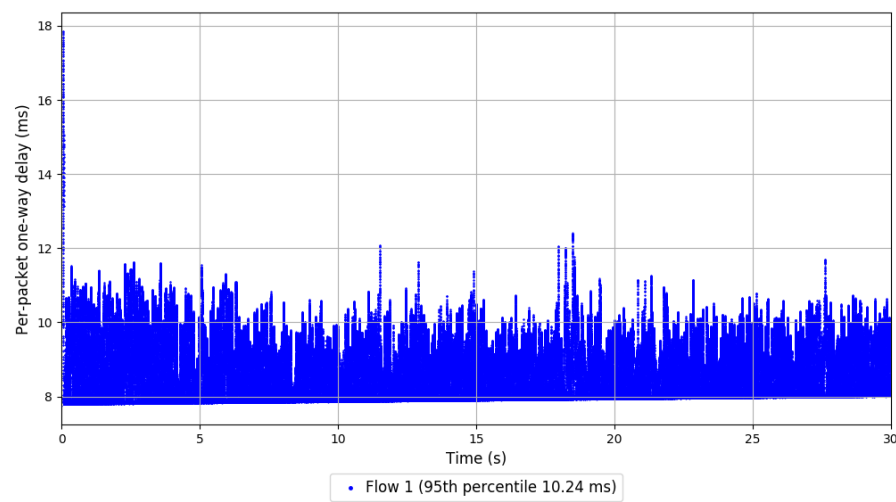
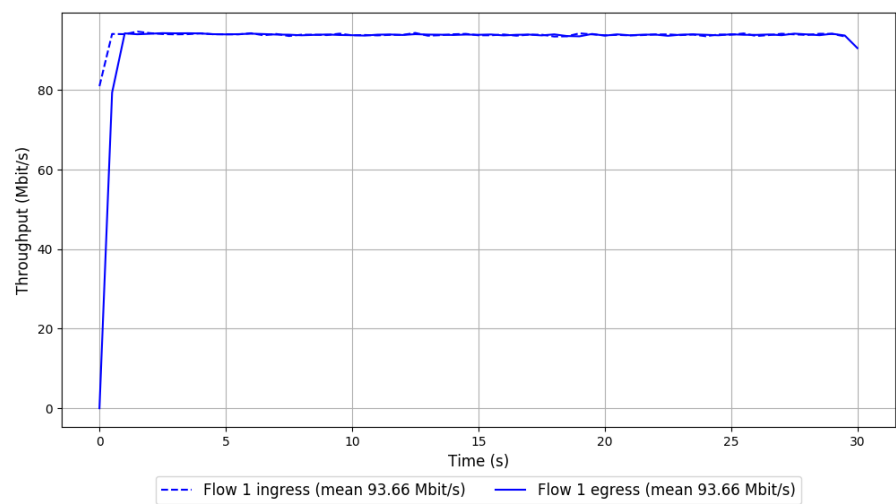
-- Flow 1:

Average throughput: 93.66 Mbit/s

95th percentile per-packet one-way delay: 10.242 ms

Loss rate: 0.09%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 14:49:24

End at: 2018-07-10 14:49:54

Local clock offset: -0.195 ms

Remote clock offset: 3.758 ms

Below is generated by plot.py at 2018-07-10 16:00:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 14.226 ms

Loss rate: 0.09%

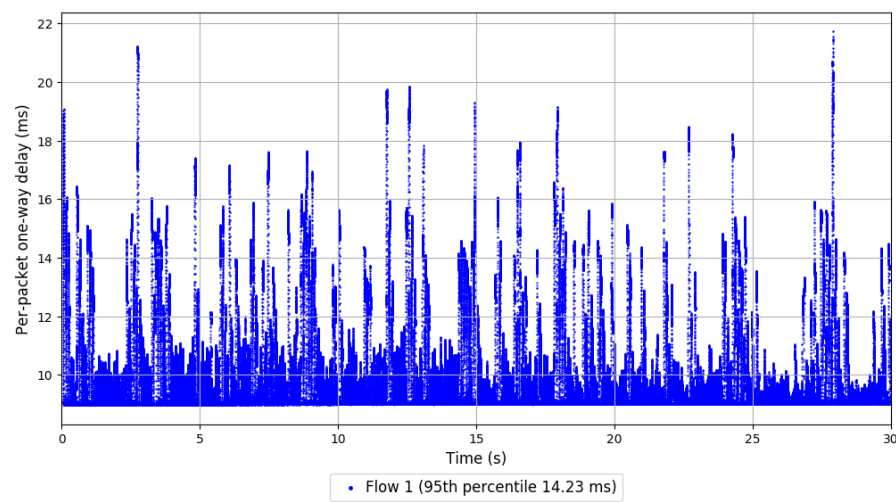
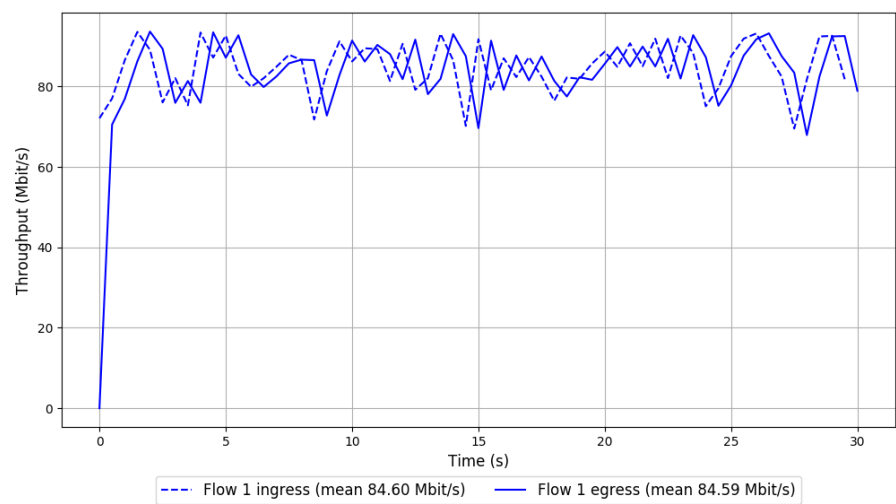
-- Flow 1:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 14.226 ms

Loss rate: 0.09%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 15:09:17

End at: 2018-07-10 15:09:47

Local clock offset: 3.335 ms

Remote clock offset: -3.234 ms

Below is generated by plot.py at 2018-07-10 16:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.89 Mbit/s

95th percentile per-packet one-way delay: 21.138 ms

Loss rate: 0.09%

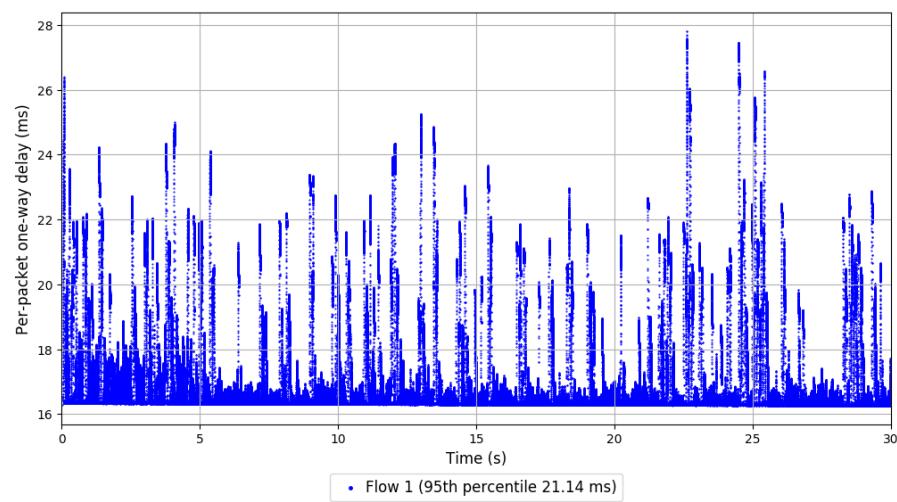
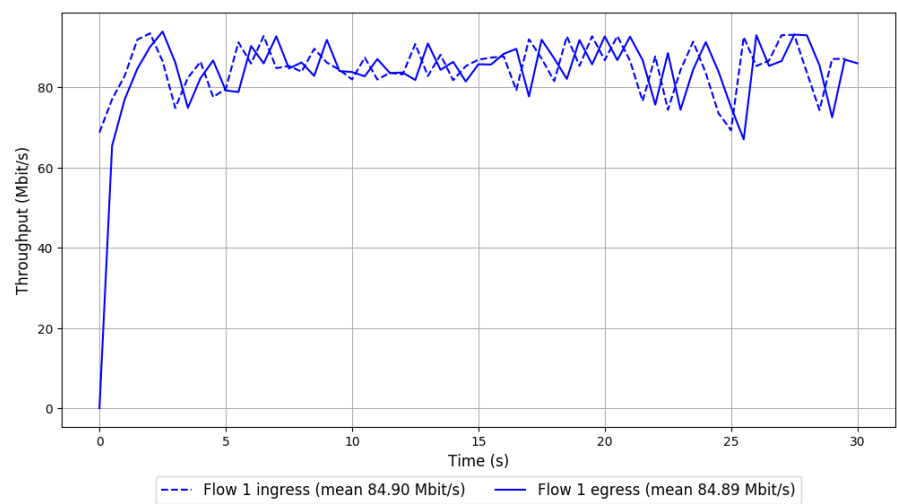
-- Flow 1:

Average throughput: 84.89 Mbit/s

95th percentile per-packet one-way delay: 21.138 ms

Loss rate: 0.09%

Run 9: Report of TaoVA-100x — Data Link

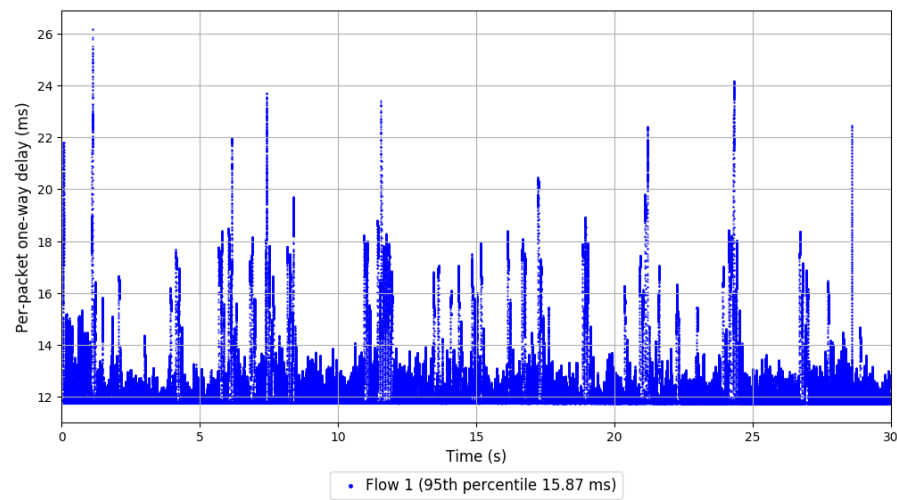
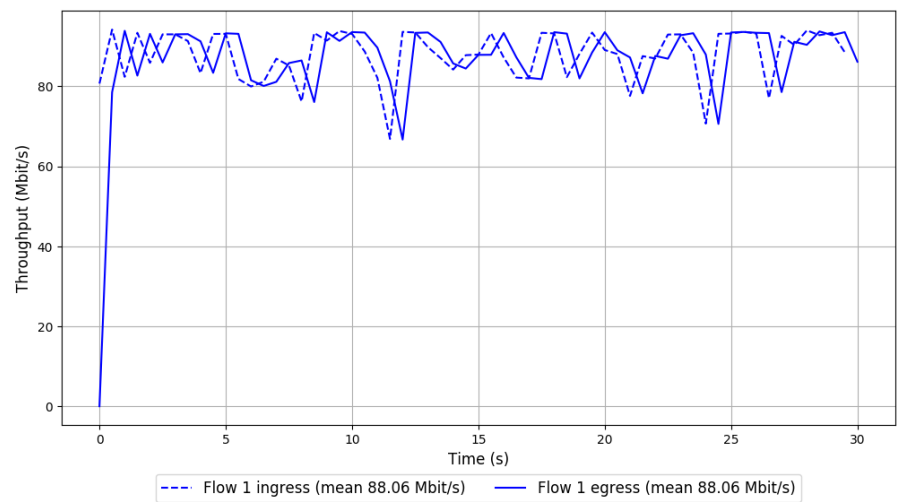


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 15:29:17
End at: 2018-07-10 15:29:47
Local clock offset: -2.195 ms
Remote clock offset: -5.766 ms

Below is generated by plot.py at 2018-07-10 16:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 15.871 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 15.871 ms
Loss rate: 0.09%

Run 10: Report of TaoVA-100x — Data Link

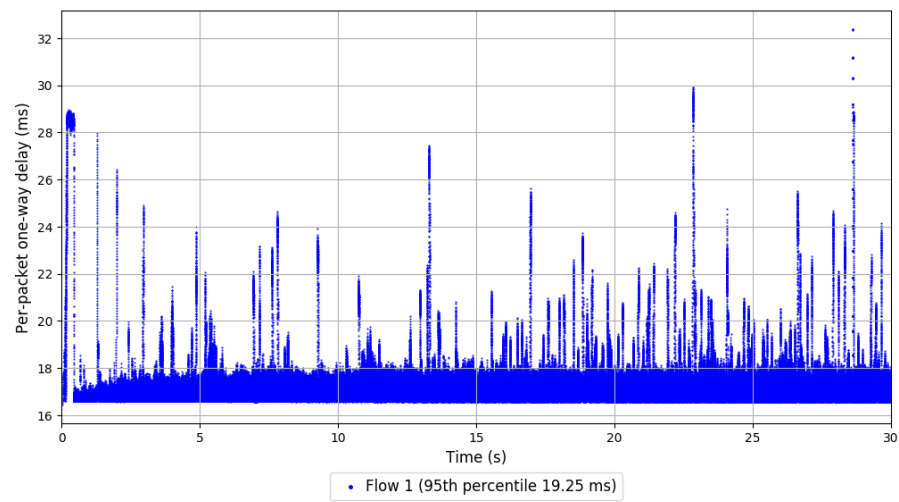
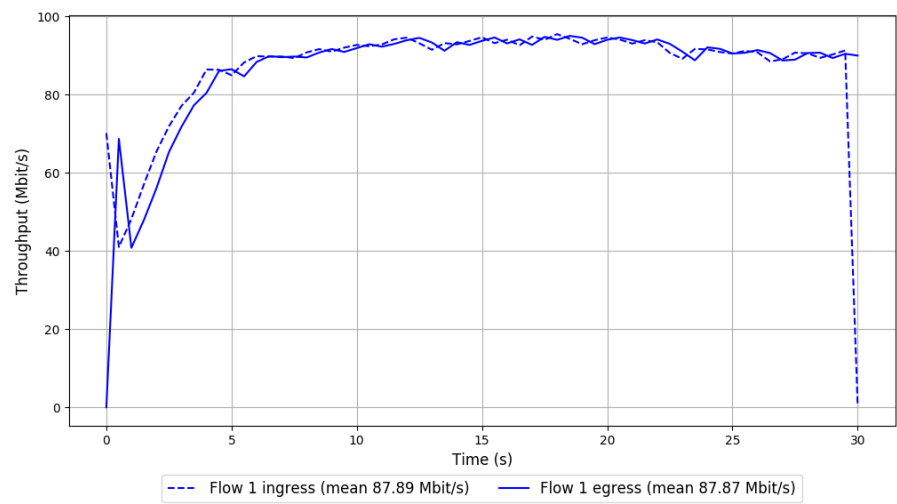


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 12:33:56
End at: 2018-07-10 12:34:27
Local clock offset: 2.71 ms
Remote clock offset: -8.132 ms

Below is generated by plot.py at 2018-07-10 16:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.10%

Run 1: Report of TCP Vegas — Data Link

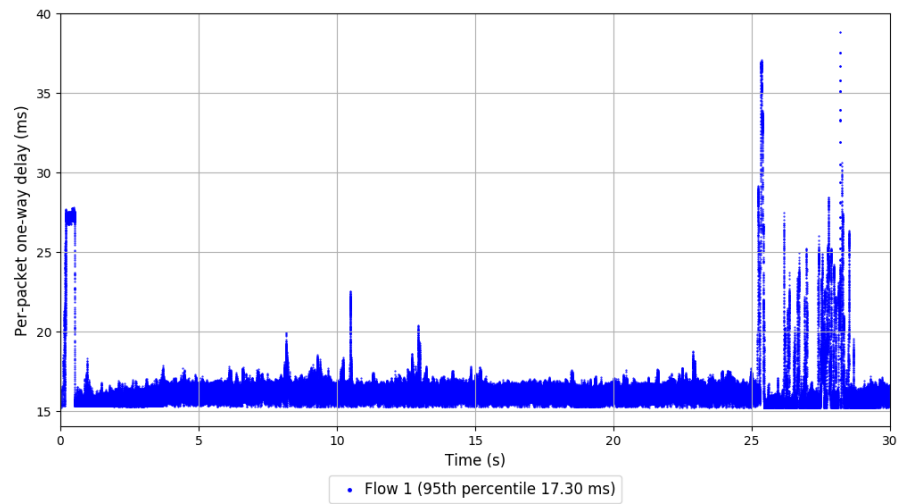
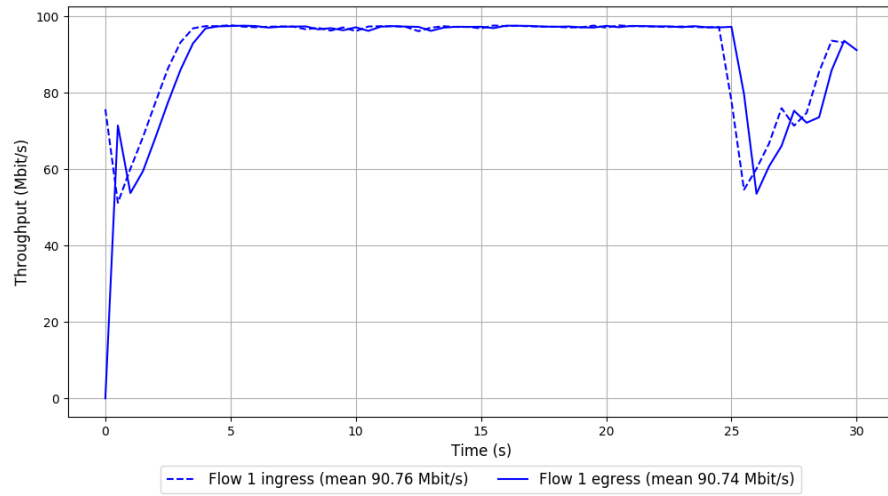


Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 12:54:17
End at: 2018-07-10 12:54:47
Local clock offset: 0.124 ms
Remote clock offset: -14.392 ms

Below is generated by plot.py at 2018-07-10 16:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 17.298 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 17.298 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

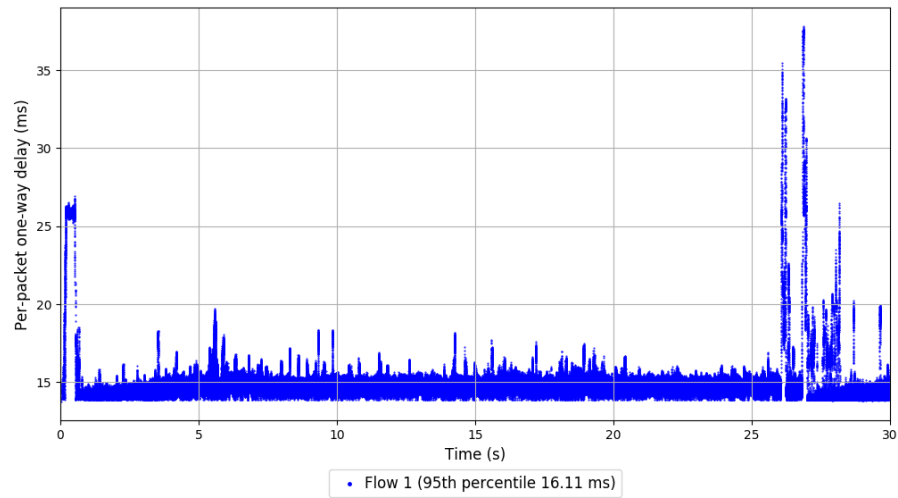
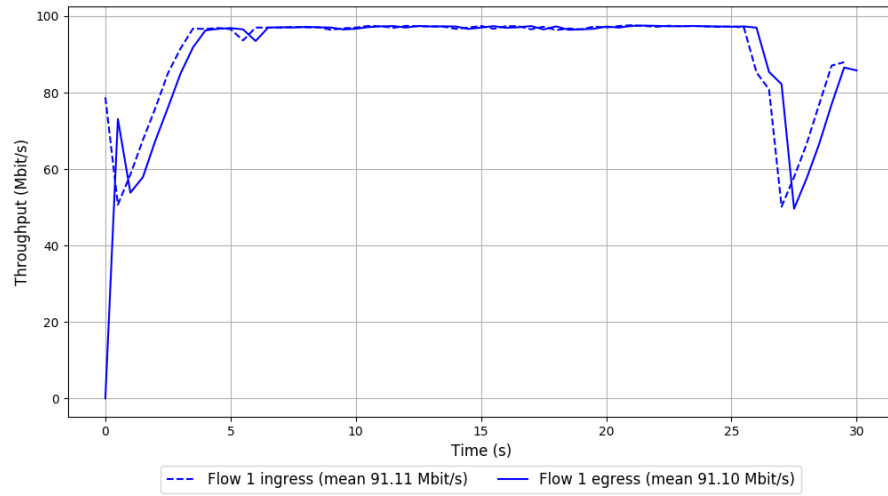


Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 13:14:16
End at: 2018-07-10 13:14:46
Local clock offset: 0.575 ms
Remote clock offset: -15.438 ms

Below is generated by plot.py at 2018-07-10 16:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 16.108 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 16.108 ms
Loss rate: 0.10%

Run 3: Report of TCP Vegas — Data Link

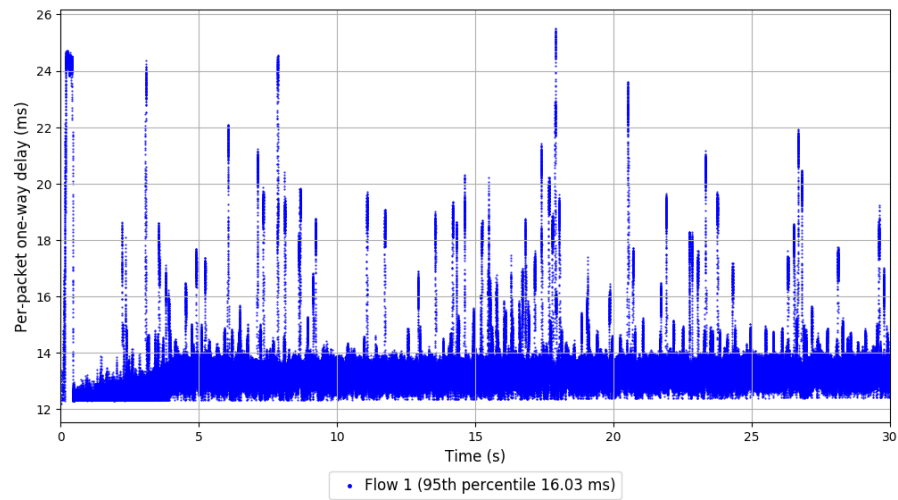
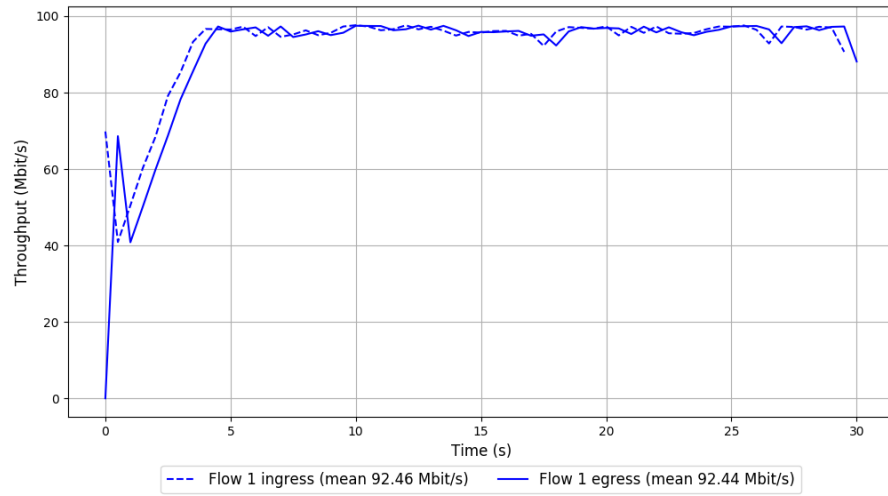


Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 13:34:16
End at: 2018-07-10 13:34:46
Local clock offset: -1.156 ms
Remote clock offset: -2.016 ms

Below is generated by plot.py at 2018-07-10 16:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 16.031 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 16.031 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 13:54:48

End at: 2018-07-10 13:55:18

Local clock offset: 3.26 ms

Remote clock offset: 1.702 ms

Below is generated by plot.py at 2018-07-10 16:02:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 17.283 ms

Loss rate: 0.10%

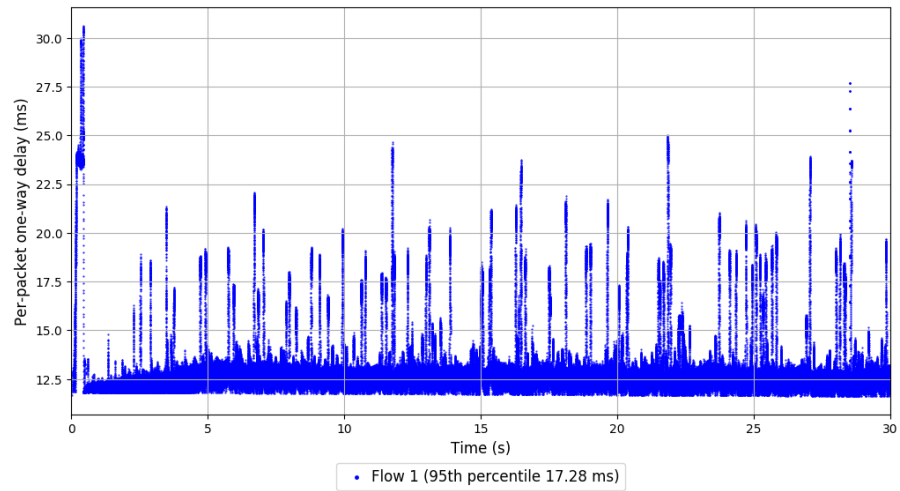
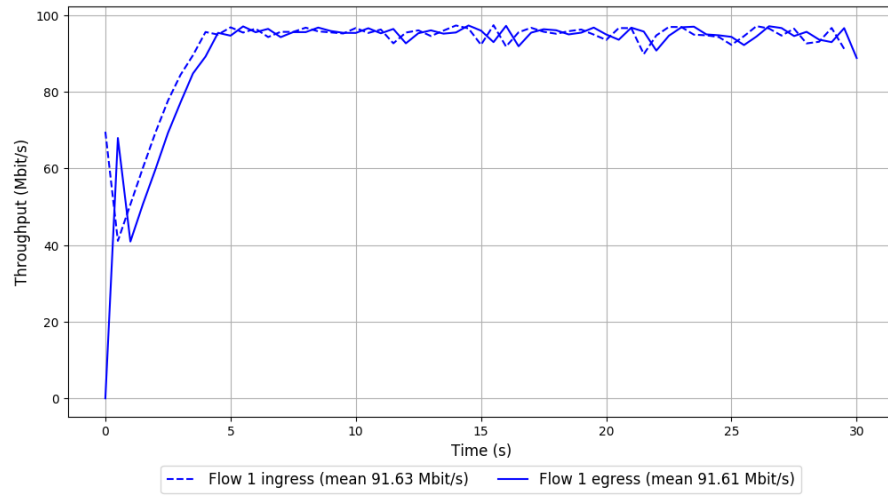
-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 17.283 ms

Loss rate: 0.10%

Run 5: Report of TCP Vegas — Data Link

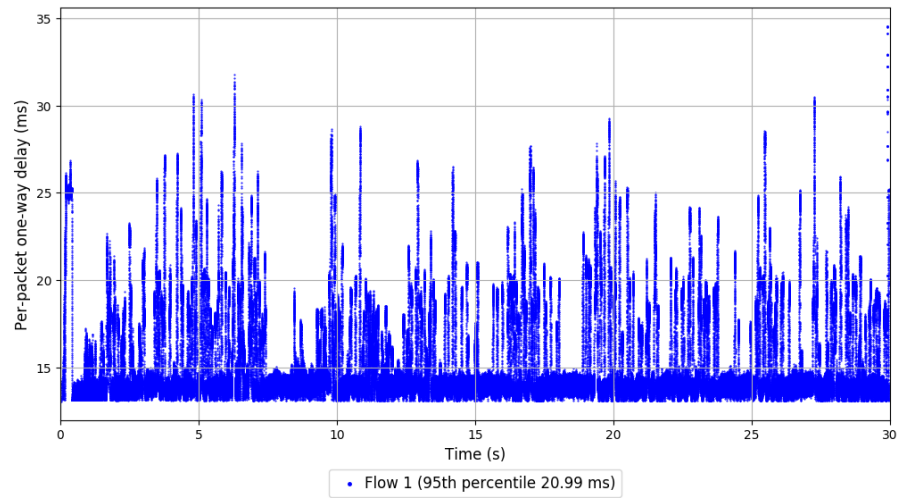
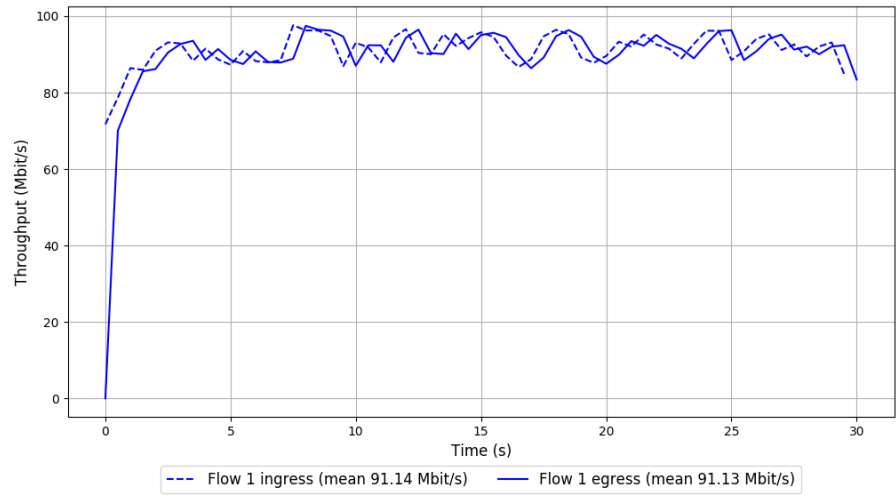


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 14:14:55
End at: 2018-07-10 14:15:25
Local clock offset: -1.61 ms
Remote clock offset: -8.553 ms

Below is generated by plot.py at 2018-07-10 16:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 20.991 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 20.991 ms
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

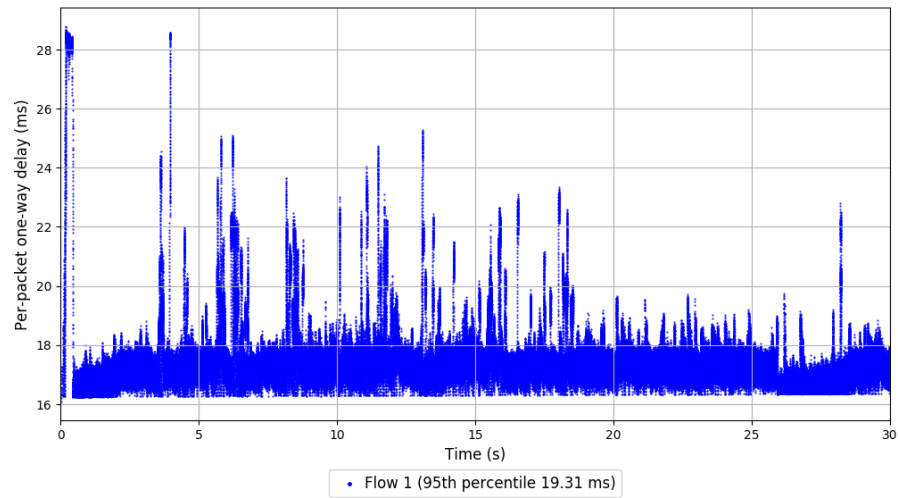
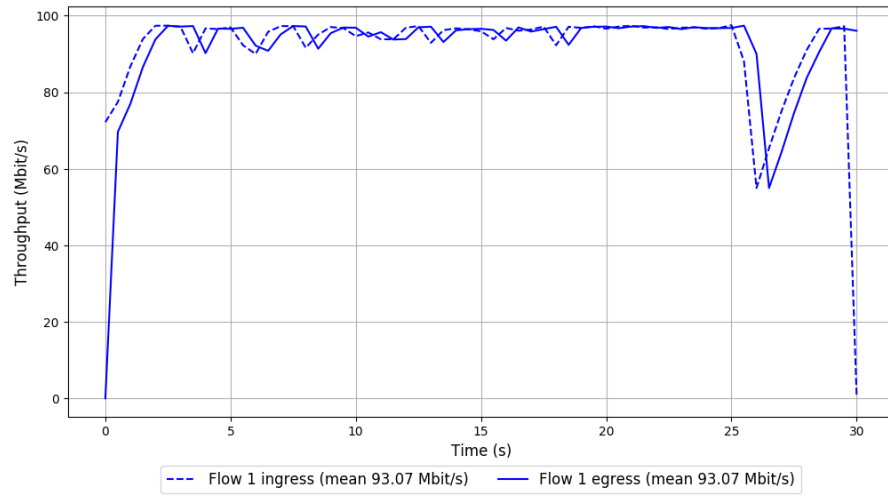


Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 14:35:08
End at: 2018-07-10 14:35:38
Local clock offset: 3.271 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2018-07-10 16:02:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.09%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 14:55:16

End at: 2018-07-10 14:55:46

Local clock offset: 1.889 ms

Remote clock offset: 8.688 ms

Below is generated by plot.py at 2018-07-10 16:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 12.188 ms

Loss rate: 0.09%

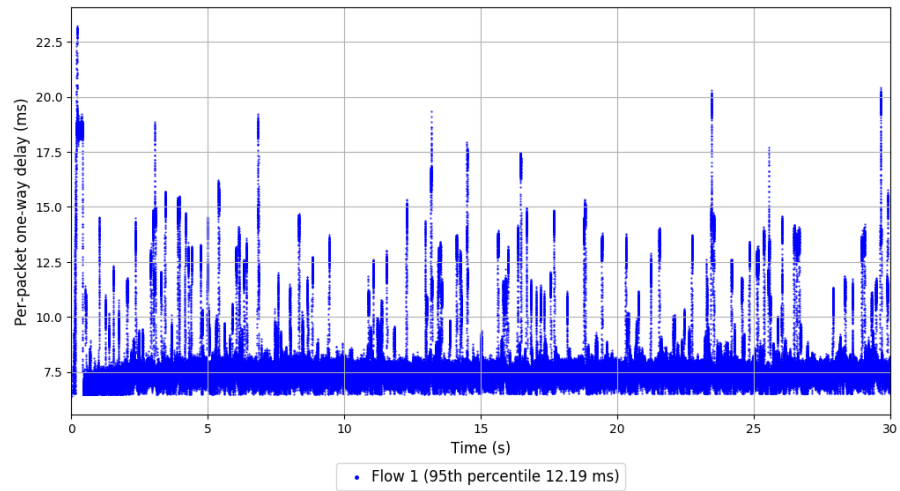
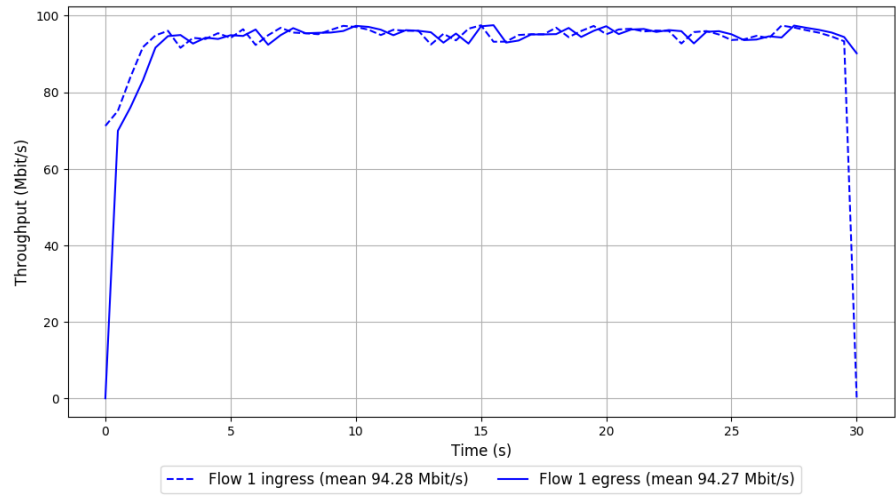
-- Flow 1:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 12.188 ms

Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

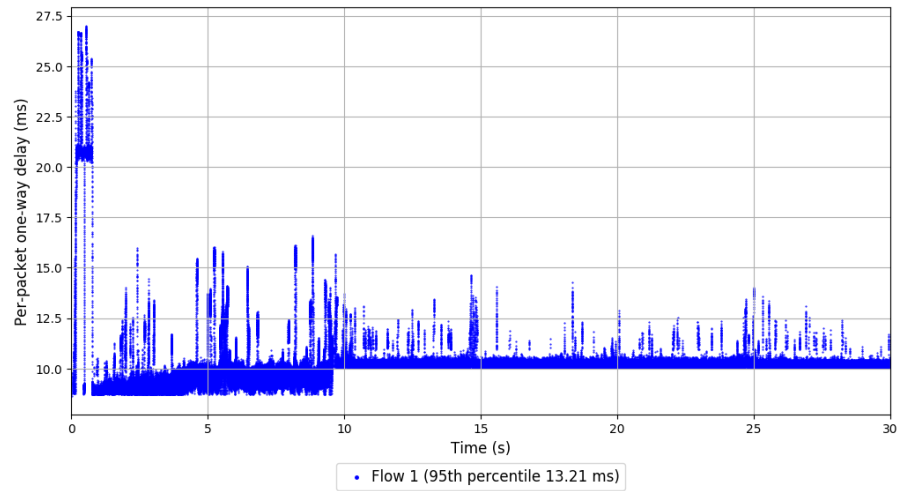
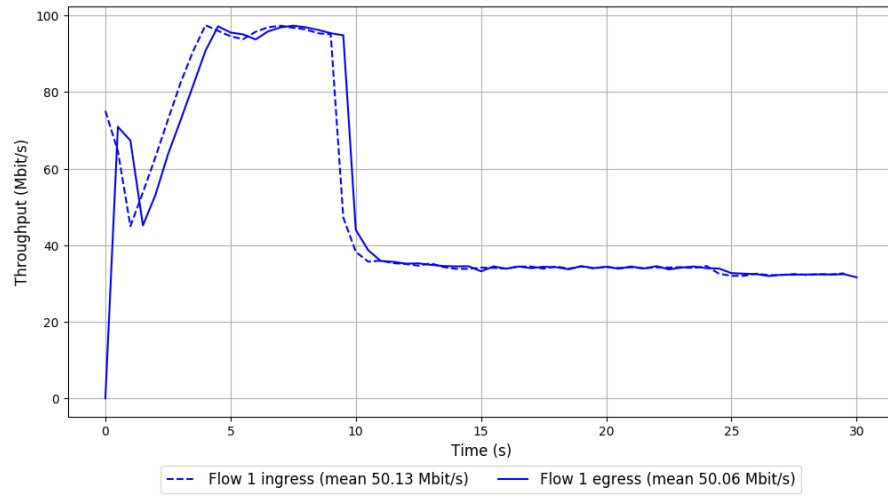


Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 15:15:14
End at: 2018-07-10 15:15:44
Local clock offset: -1.731 ms
Remote clock offset: -1.408 ms

Below is generated by plot.py at 2018-07-10 16:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 13.211 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 13.211 ms
Loss rate: 0.21%

Run 9: Report of TCP Vegas — Data Link

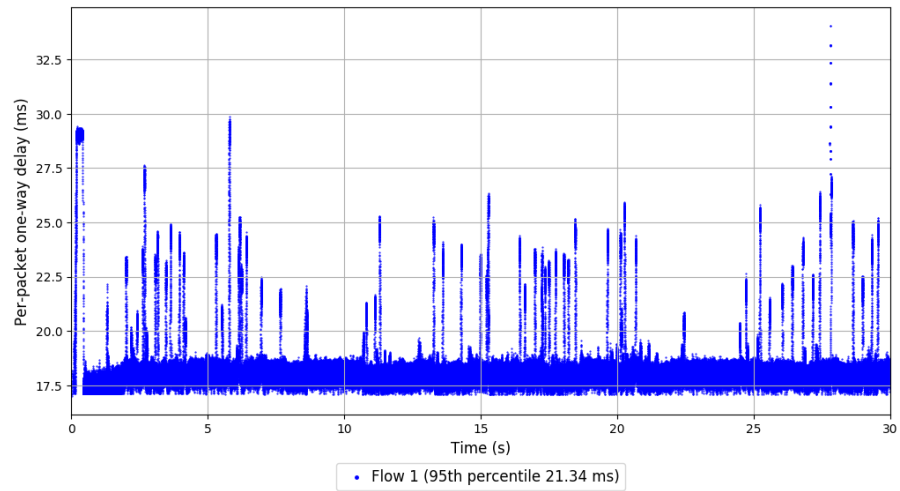
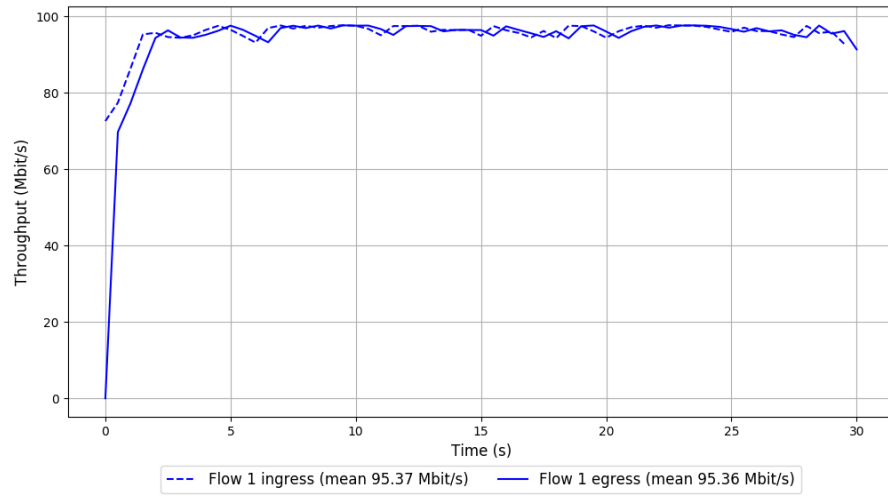


Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 15:35:16
End at: 2018-07-10 15:35:46
Local clock offset: 1.192 ms
Remote clock offset: -8.226 ms

Below is generated by plot.py at 2018-07-10 16:02:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 21.341 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 21.341 ms
Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

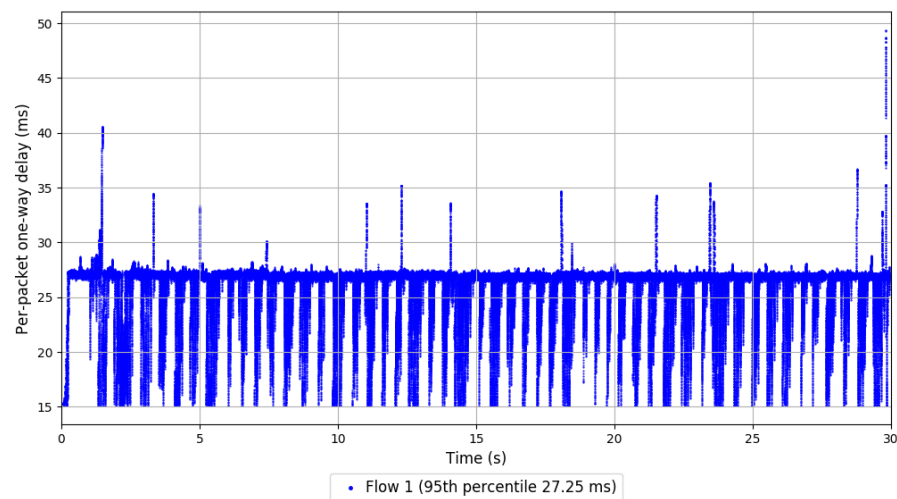
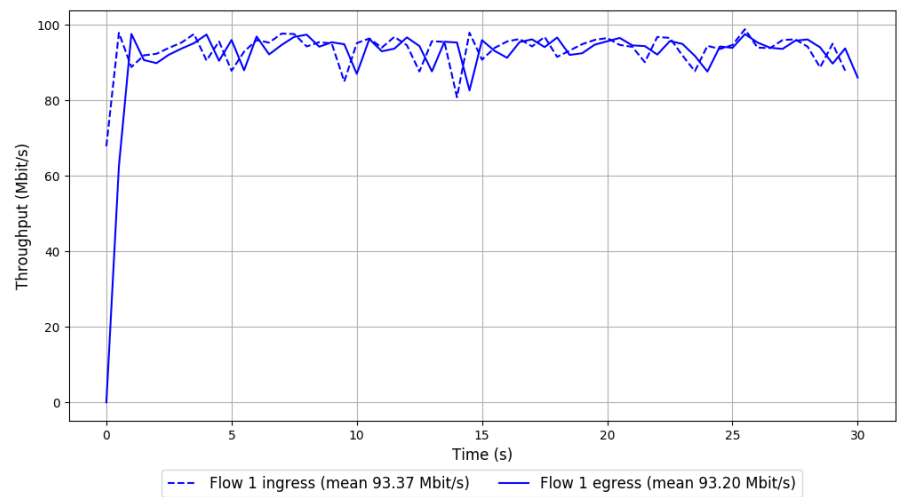


Run 1: Statistics of Verus

Start at: 2018-07-10 12:32:44
End at: 2018-07-10 12:33:14
Local clock offset: 2.957 ms
Remote clock offset: -6.344 ms

Below is generated by plot.py at 2018-07-10 16:02:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 27.255 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 27.255 ms
Loss rate: 0.27%

Run 1: Report of Verus — Data Link

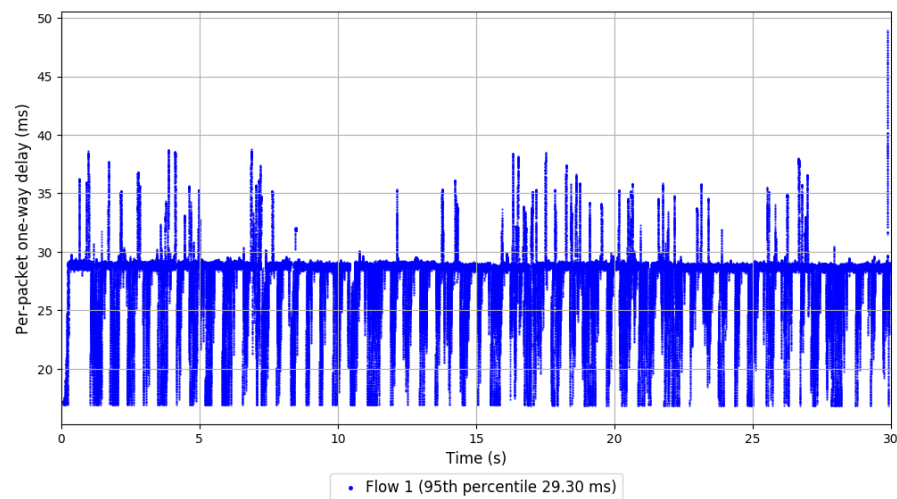
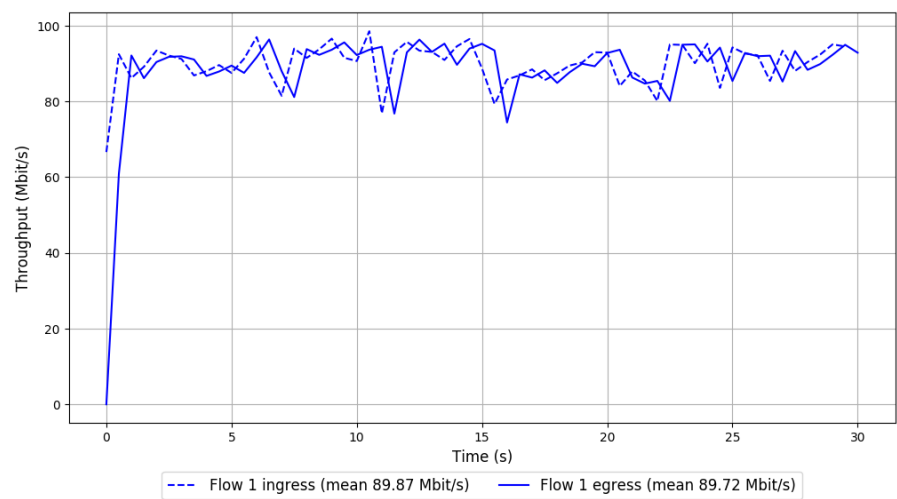


Run 2: Statistics of Verus

Start at: 2018-07-10 12:53:03
End at: 2018-07-10 12:53:33
Local clock offset: 2.143 ms
Remote clock offset: -13.734 ms

Below is generated by plot.py at 2018-07-10 16:02:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 29.297 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 29.297 ms
Loss rate: 0.25%

Run 2: Report of Verus — Data Link

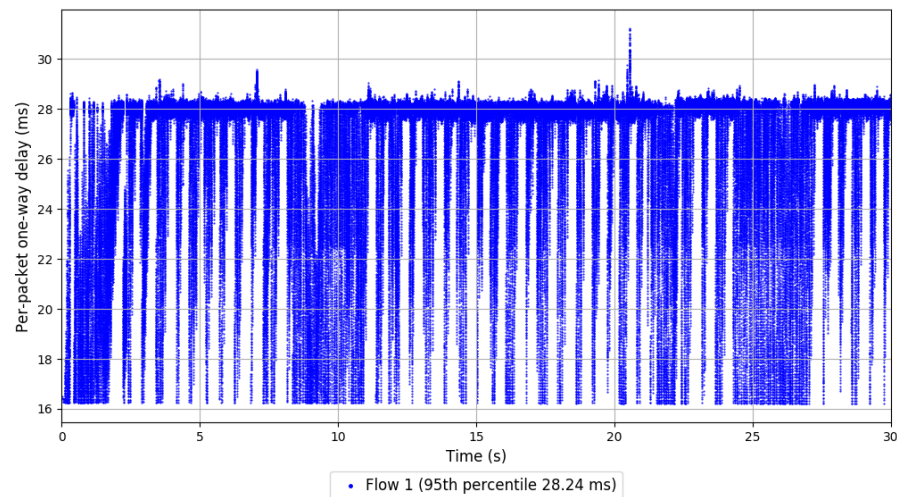
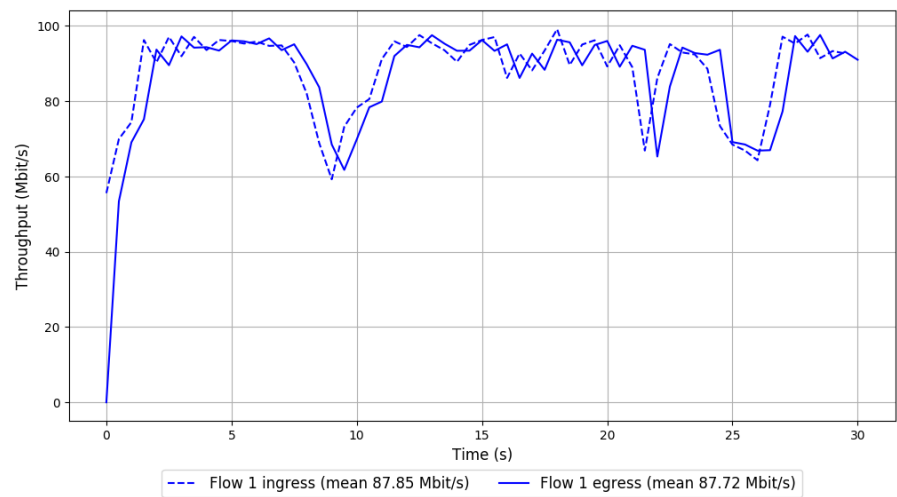


Run 3: Statistics of Verus

Start at: 2018-07-10 13:13:06
End at: 2018-07-10 13:13:36
Local clock offset: 2.801 ms
Remote clock offset: -15.453 ms

Below is generated by plot.py at 2018-07-10 16:03:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 28.236 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 28.236 ms
Loss rate: 0.22%

Run 3: Report of Verus — Data Link

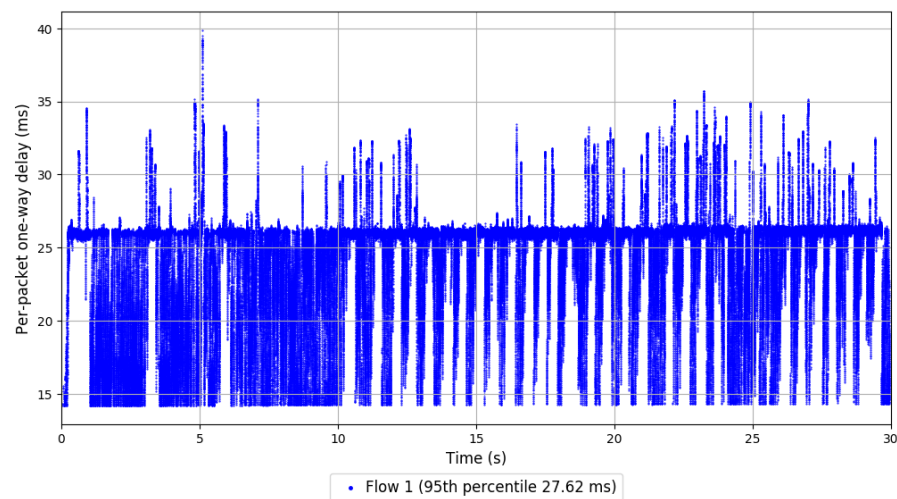
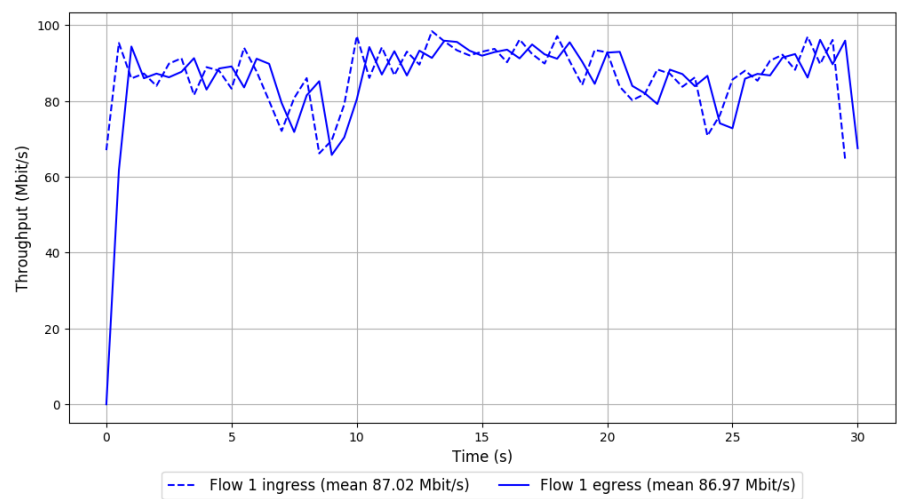


Run 4: Statistics of Verus

Start at: 2018-07-10 13:33:05
End at: 2018-07-10 13:33:35
Local clock offset: 0.295 ms
Remote clock offset: -2.765 ms

Below is generated by plot.py at 2018-07-10 16:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 27.620 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 27.620 ms
Loss rate: 0.14%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-10 13:53:38

End at: 2018-07-10 13:54:08

Local clock offset: -0.343 ms

Remote clock offset: 8.146 ms

Below is generated by plot.py at 2018-07-10 16:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 14.177 ms

Loss rate: 0.22%

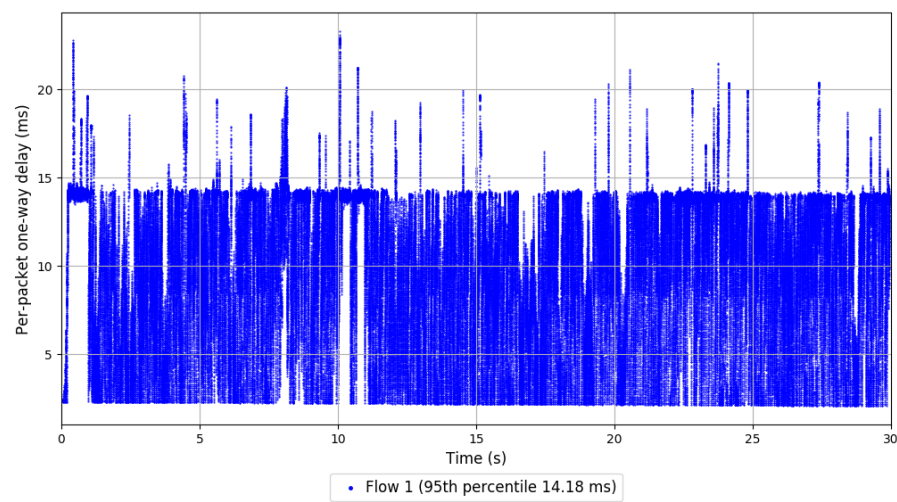
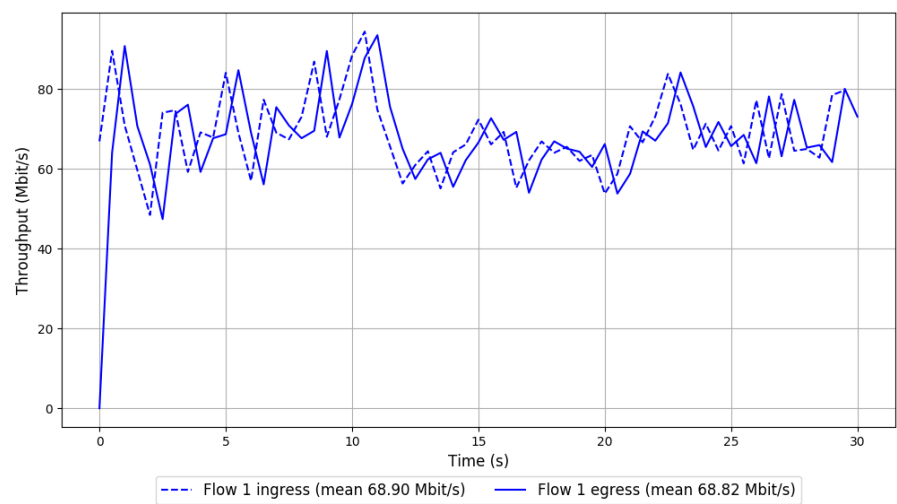
-- Flow 1:

Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 14.177 ms

Loss rate: 0.22%

Run 5: Report of Verus — Data Link

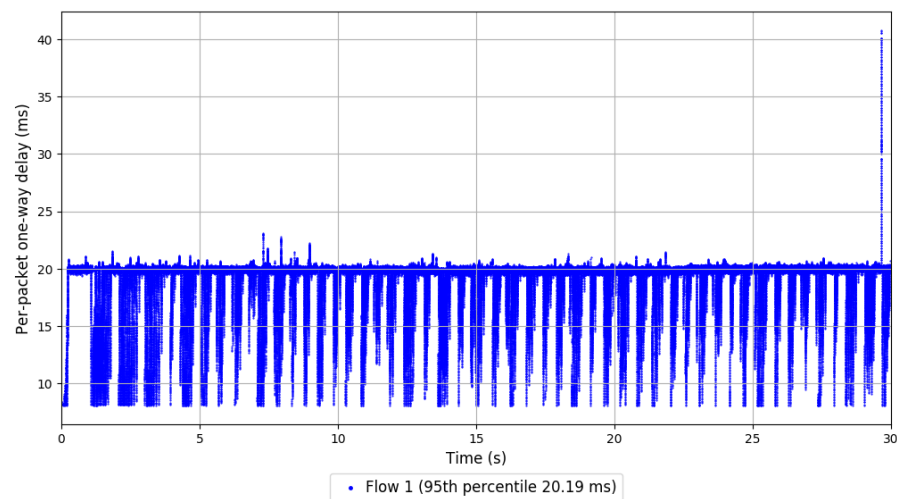
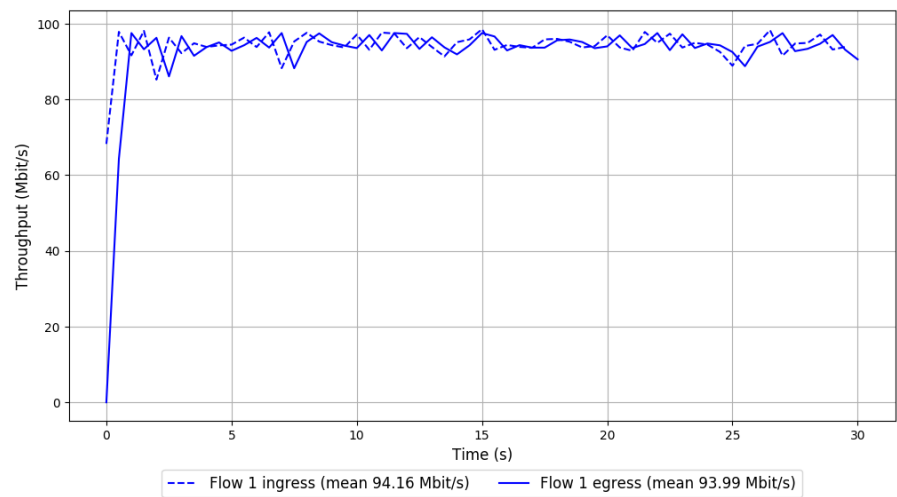


Run 6: Statistics of Verus

Start at: 2018-07-10 14:13:44
End at: 2018-07-10 14:14:14
Local clock offset: -0.521 ms
Remote clock offset: -2.344 ms

Below is generated by plot.py at 2018-07-10 16:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 20.186 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 20.186 ms
Loss rate: 0.26%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-10 14:33:58

End at: 2018-07-10 14:34:28

Local clock offset: -0.26 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-10 16:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.63 Mbit/s

95th percentile per-packet one-way delay: 22.771 ms

Loss rate: 0.12%

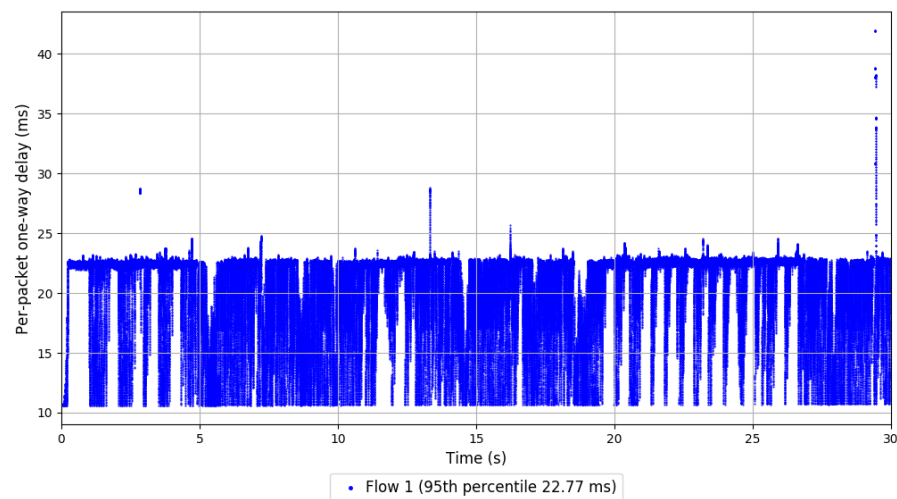
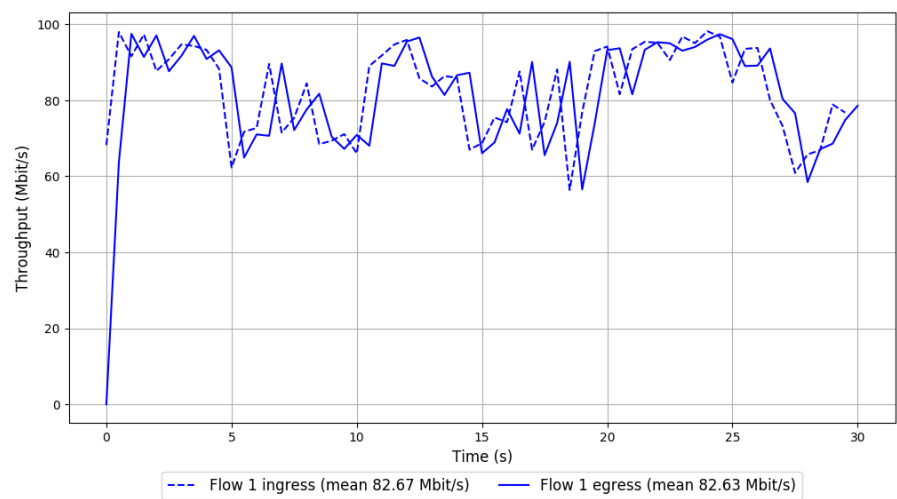
-- Flow 1:

Average throughput: 82.63 Mbit/s

95th percentile per-packet one-way delay: 22.771 ms

Loss rate: 0.12%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-10 14:54:04

End at: 2018-07-10 14:54:34

Local clock offset: 0.155 ms

Remote clock offset: 1.452 ms

Below is generated by plot.py at 2018-07-10 16:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 25.393 ms

Loss rate: 0.20%

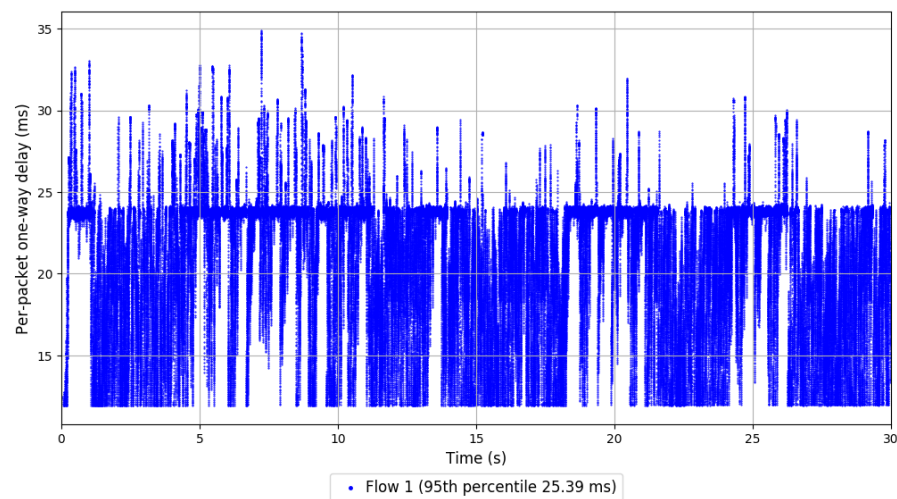
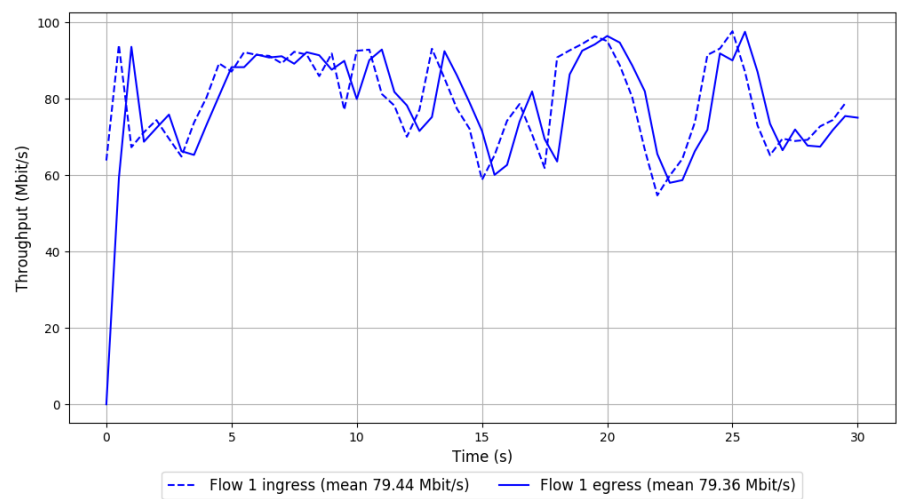
-- Flow 1:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 25.393 ms

Loss rate: 0.20%

Run 8: Report of Verus — Data Link

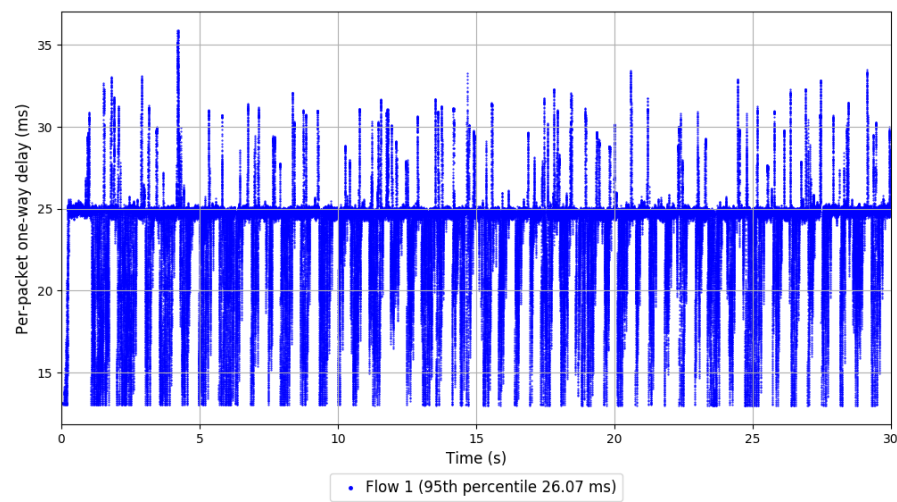
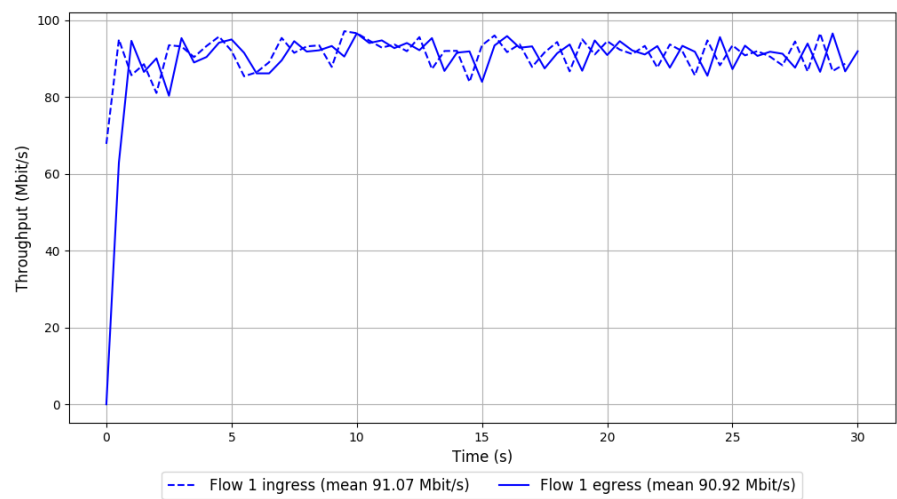


Run 9: Statistics of Verus

Start at: 2018-07-10 15:13:59
End at: 2018-07-10 15:14:29
Local clock offset: 0.696 ms
Remote clock offset: -3.147 ms

Below is generated by plot.py at 2018-07-10 16:03:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 26.068 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 26.068 ms
Loss rate: 0.15%

Run 9: Report of Verus — Data Link

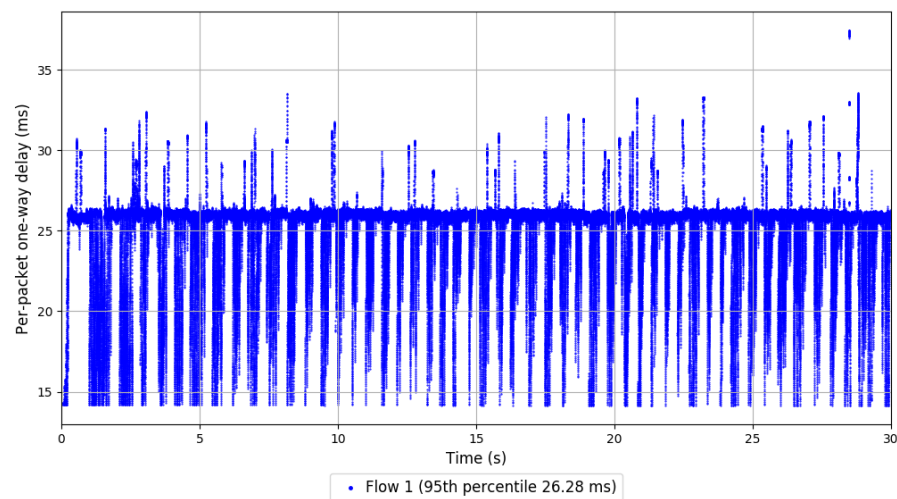
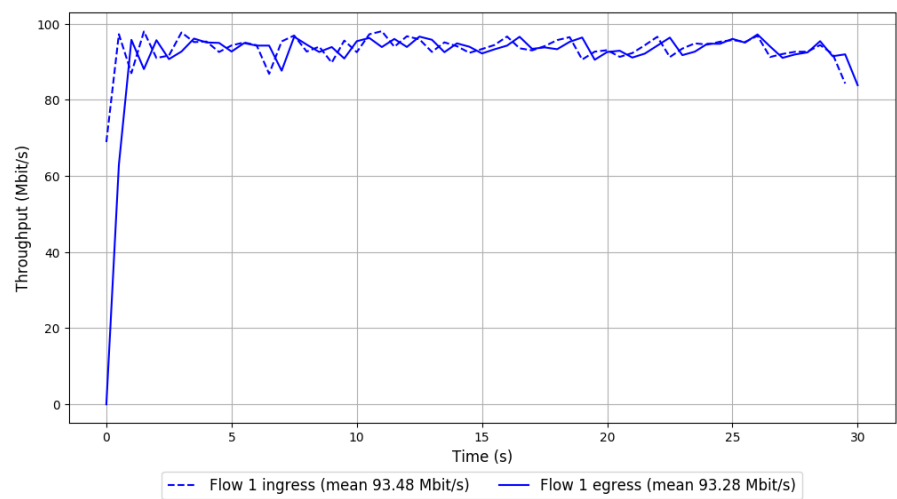


Run 10: Statistics of Verus

Start at: 2018-07-10 15:34:04
End at: 2018-07-10 15:34:34
Local clock offset: -1.539 ms
Remote clock offset: -7.908 ms

Below is generated by plot.py at 2018-07-10 16:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 26.279 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 26.279 ms
Loss rate: 0.29%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 12:25:35

End at: 2018-07-10 12:26:05

Local clock offset: 1.964 ms

Remote clock offset: -6.446 ms

Below is generated by plot.py at 2018-07-10 16:03:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 15.348 ms

Loss rate: 0.10%

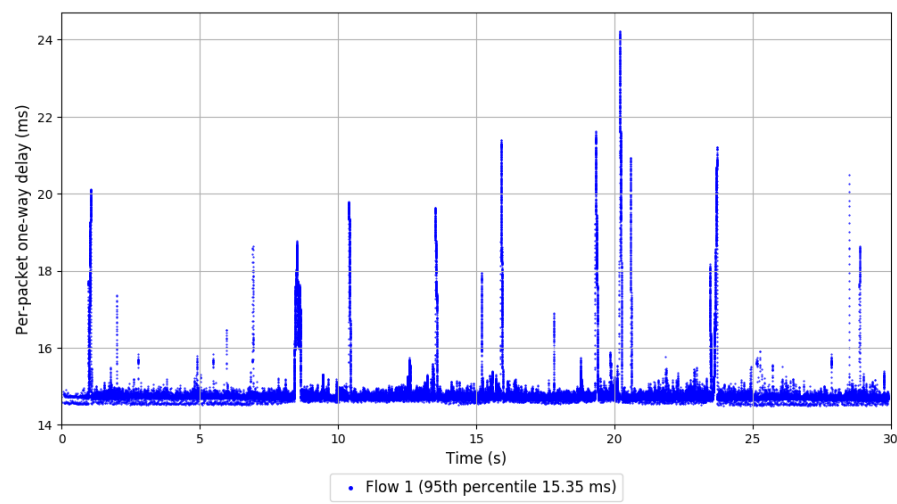
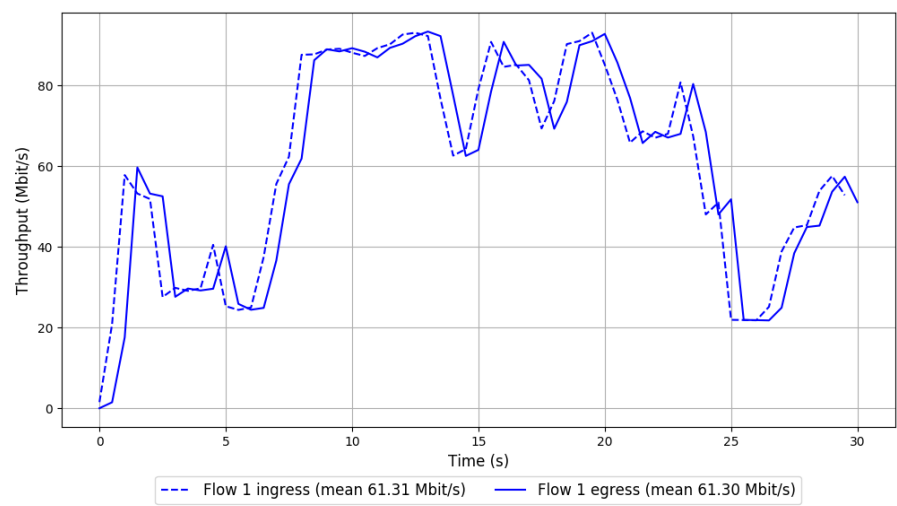
-- Flow 1:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 15.348 ms

Loss rate: 0.10%

Run 1: Report of PCC-Vivace — Data Link

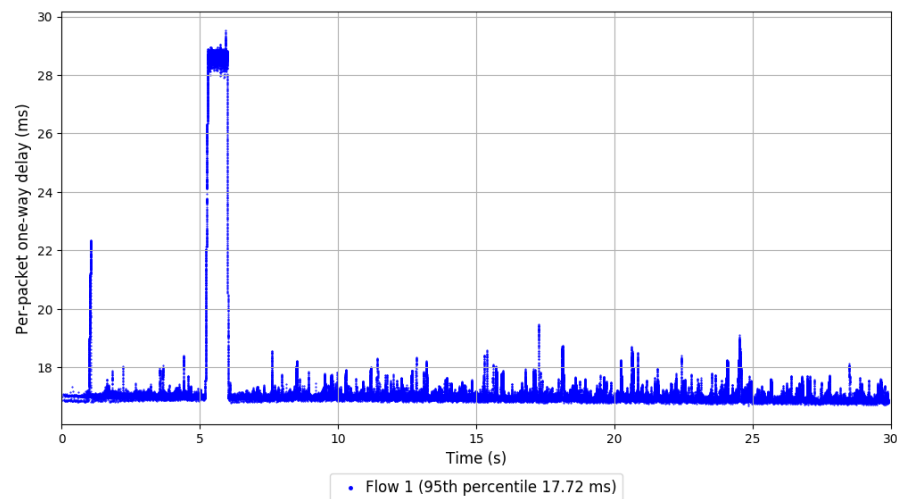
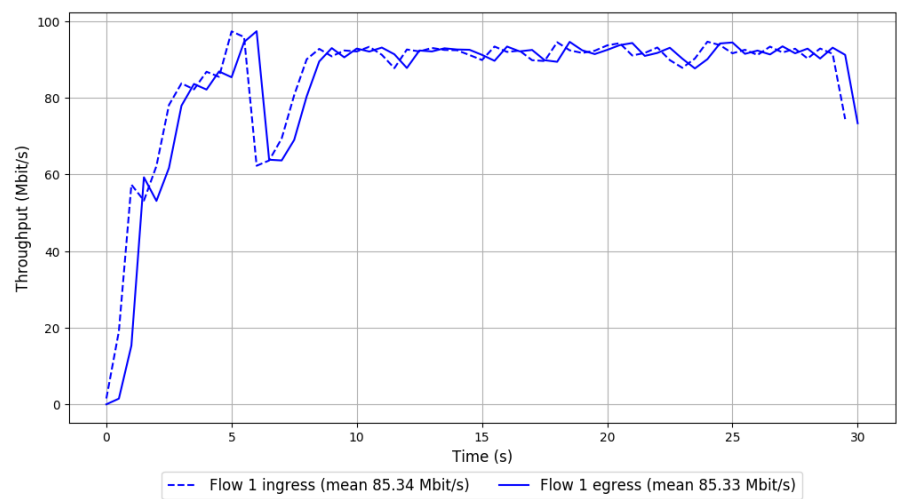


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 12:45:42
End at: 2018-07-10 12:46:12
Local clock offset: 1.963 ms
Remote clock offset: -11.932 ms

Below is generated by plot.py at 2018-07-10 16:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 17.716 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 17.716 ms
Loss rate: 0.09%

Run 2: Report of PCC-Vivace — Data Link

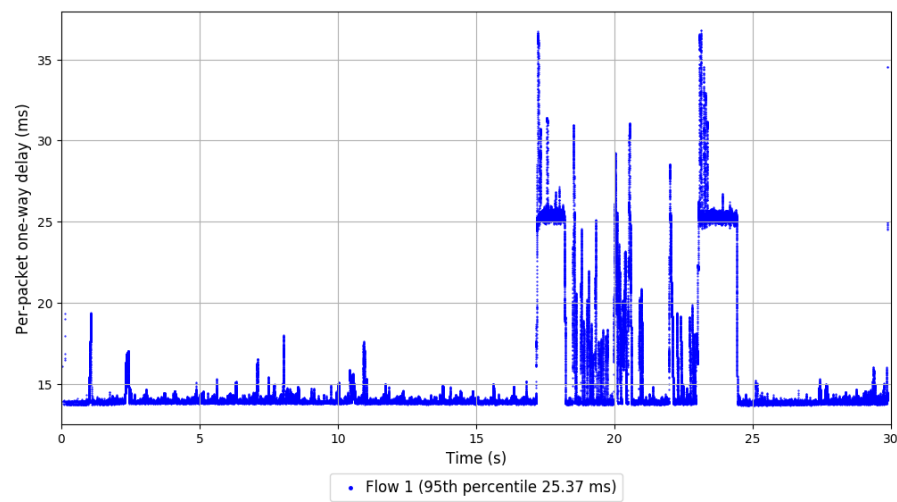
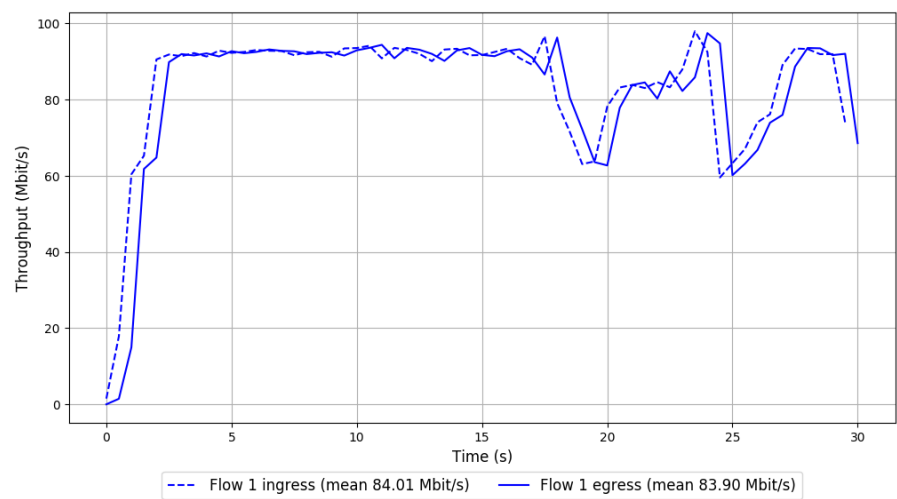


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 13:05:57
End at: 2018-07-10 13:06:27
Local clock offset: 0.567 ms
Remote clock offset: -14.437 ms

Below is generated by plot.py at 2018-07-10 16:04:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 25.371 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 25.371 ms
Loss rate: 0.20%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 13:25:59

End at: 2018-07-10 13:26:29

Local clock offset: -0.32 ms

Remote clock offset: -5.35 ms

Below is generated by plot.py at 2018-07-10 16:04:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.20 Mbit/s

95th percentile per-packet one-way delay: 25.300 ms

Loss rate: 0.23%

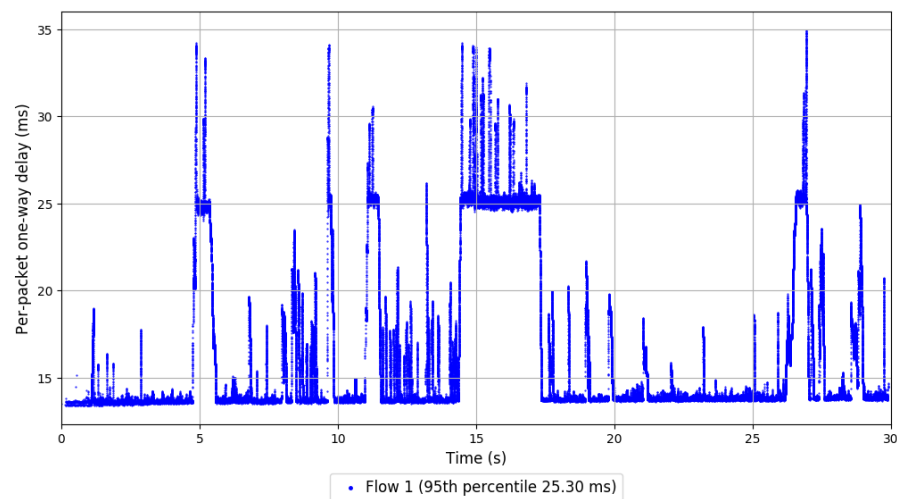
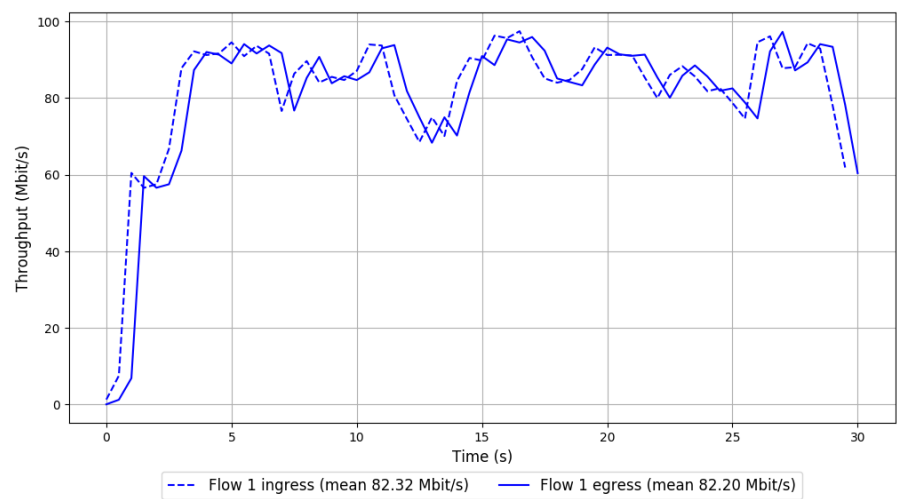
-- Flow 1:

Average throughput: 82.20 Mbit/s

95th percentile per-packet one-way delay: 25.300 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link

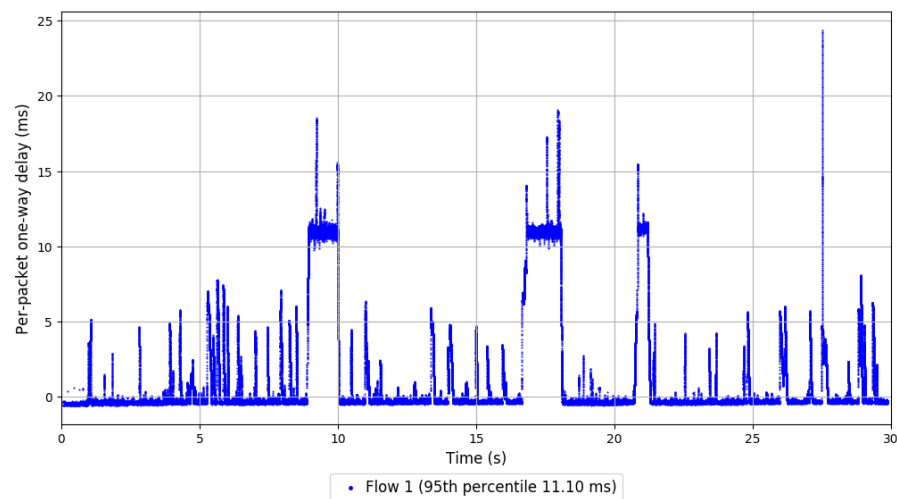
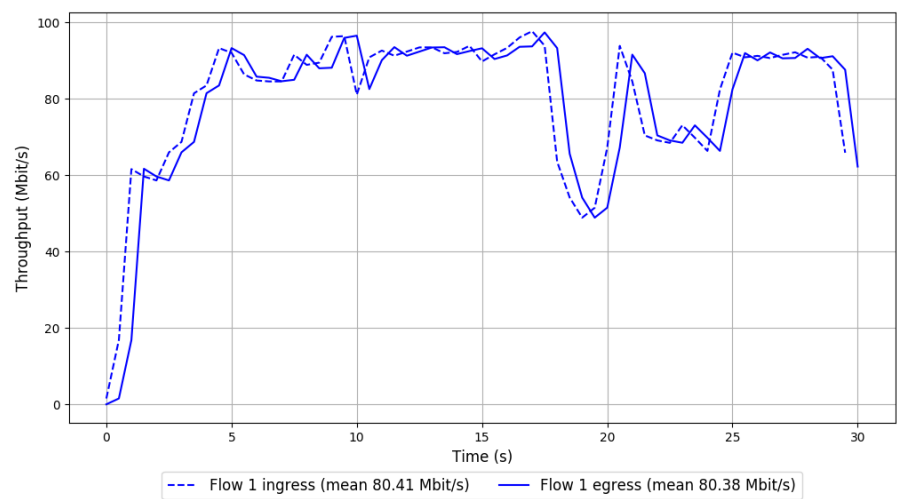


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 13:46:12
End at: 2018-07-10 13:46:42
Local clock offset: -3.336 ms
Remote clock offset: 10.335 ms

Below is generated by plot.py at 2018-07-10 16:04:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 11.095 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 80.38 Mbit/s
95th percentile per-packet one-way delay: 11.095 ms
Loss rate: 0.12%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 14:06:29

End at: 2018-07-10 14:06:59

Local clock offset: 2.01 ms

Remote clock offset: -7.44 ms

Below is generated by plot.py at 2018-07-10 16:04:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.05 Mbit/s

95th percentile per-packet one-way delay: 28.259 ms

Loss rate: 0.31%

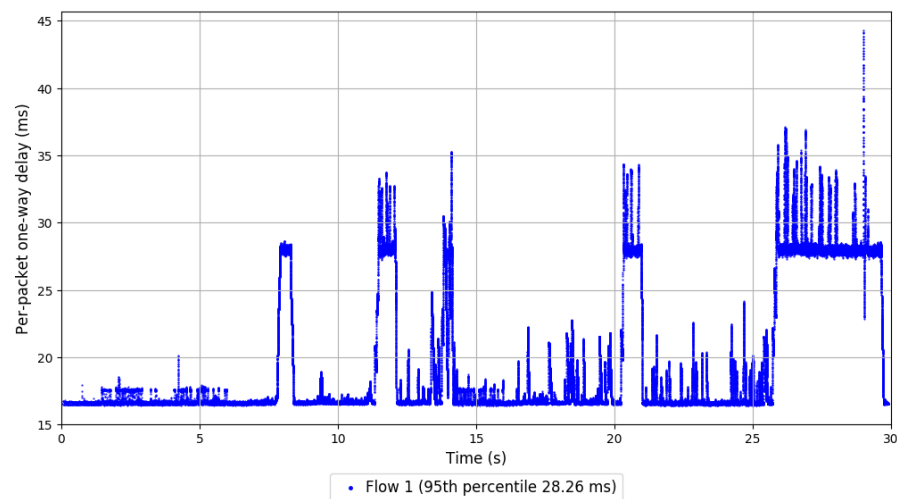
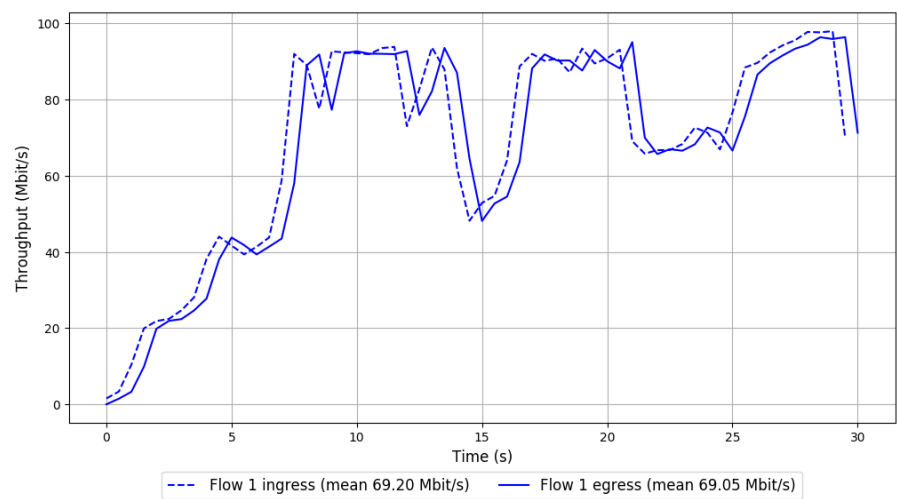
-- Flow 1:

Average throughput: 69.05 Mbit/s

95th percentile per-packet one-way delay: 28.259 ms

Loss rate: 0.31%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 14:26:38

End at: 2018-07-10 14:27:08

Local clock offset: 0.291 ms

Remote clock offset: 2.1 ms

Below is generated by plot.py at 2018-07-10 16:04:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 14.329 ms

Loss rate: 0.10%

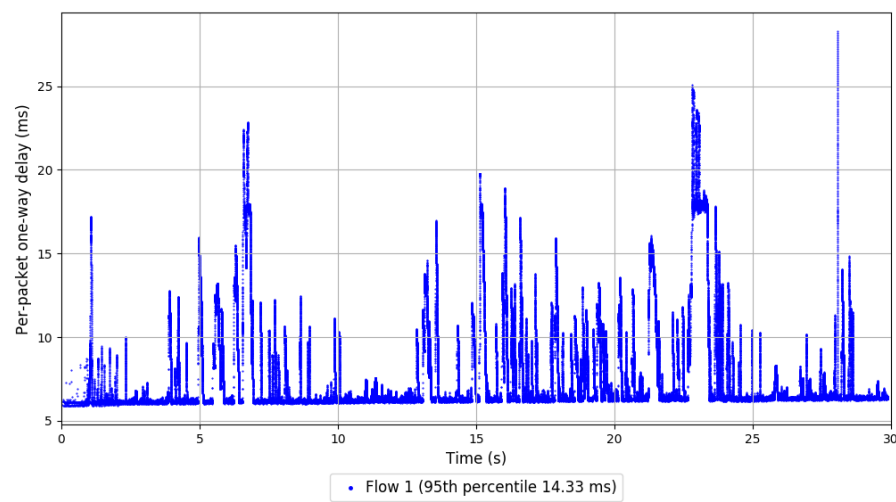
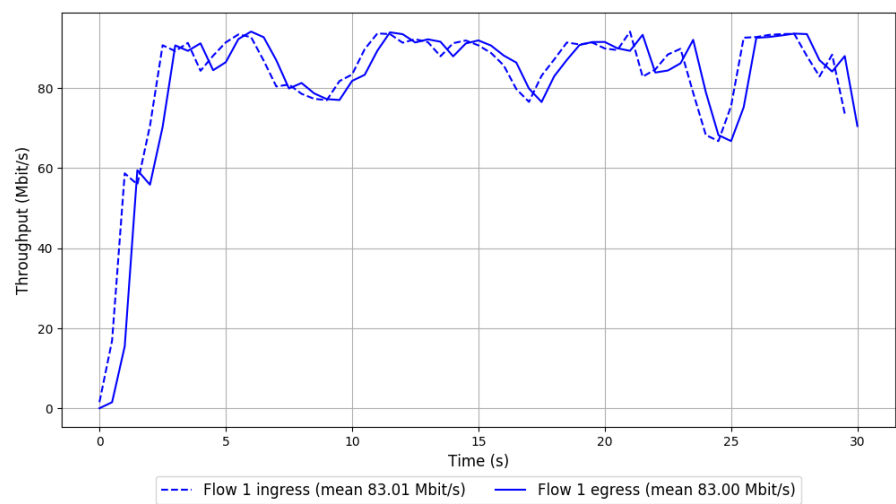
-- Flow 1:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 14.329 ms

Loss rate: 0.10%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 14:46:59

End at: 2018-07-10 14:47:29

Local clock offset: 0.909 ms

Remote clock offset: 3.856 ms

Below is generated by plot.py at 2018-07-10 16:04:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.18 Mbit/s

95th percentile per-packet one-way delay: 17.492 ms

Loss rate: 0.10%

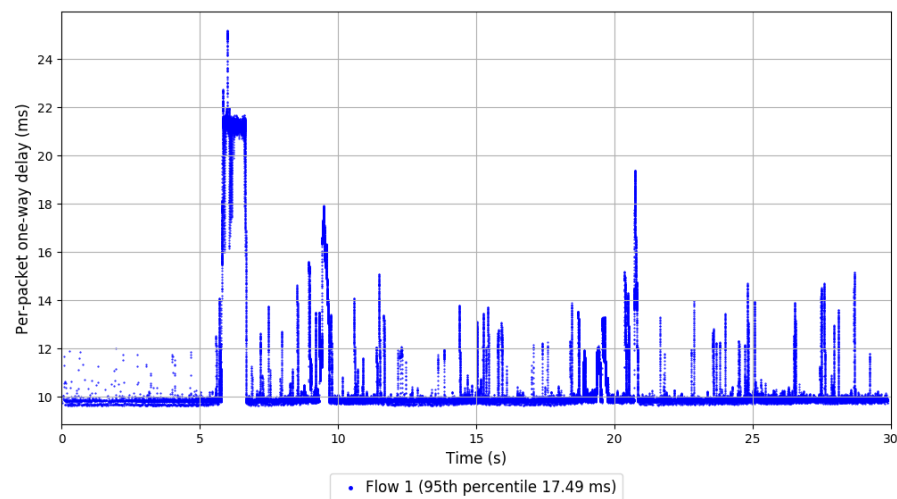
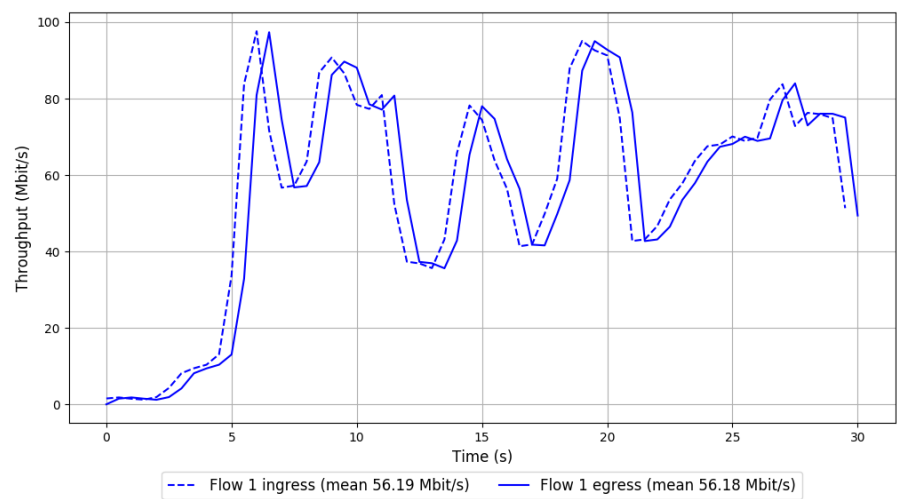
-- Flow 1:

Average throughput: 56.18 Mbit/s

95th percentile per-packet one-way delay: 17.492 ms

Loss rate: 0.10%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 15:06:52

End at: 2018-07-10 15:07:22

Local clock offset: 0.299 ms

Remote clock offset: 4.513 ms

Below is generated by plot.py at 2018-07-10 16:04:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.43 Mbit/s

95th percentile per-packet one-way delay: 15.854 ms

Loss rate: 0.14%

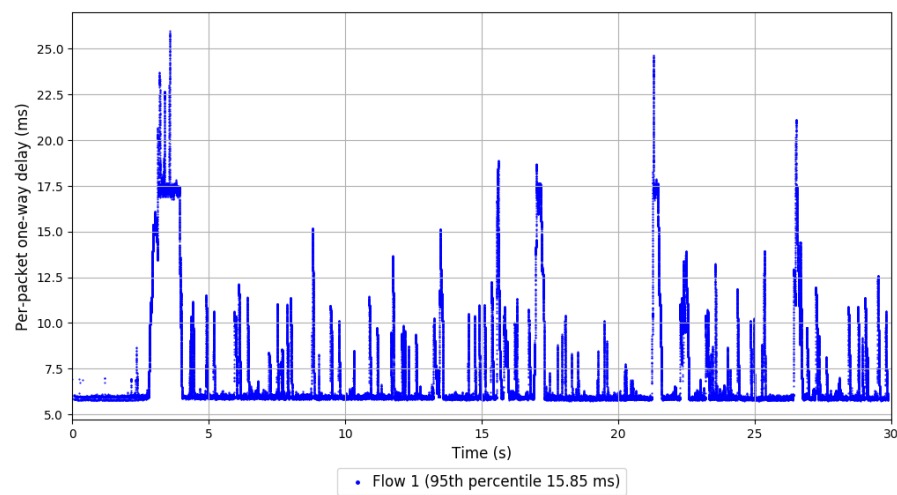
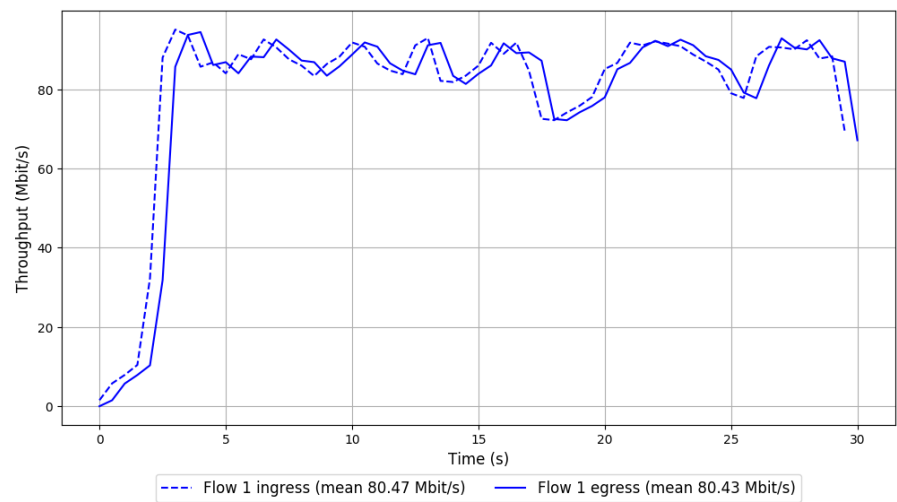
-- Flow 1:

Average throughput: 80.43 Mbit/s

95th percentile per-packet one-way delay: 15.854 ms

Loss rate: 0.14%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 15:26:52

End at: 2018-07-10 15:27:22

Local clock offset: 1.689 ms

Remote clock offset: -5.458 ms

Below is generated by plot.py at 2018-07-10 16:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.76 Mbit/s

95th percentile per-packet one-way delay: 27.049 ms

Loss rate: 0.16%

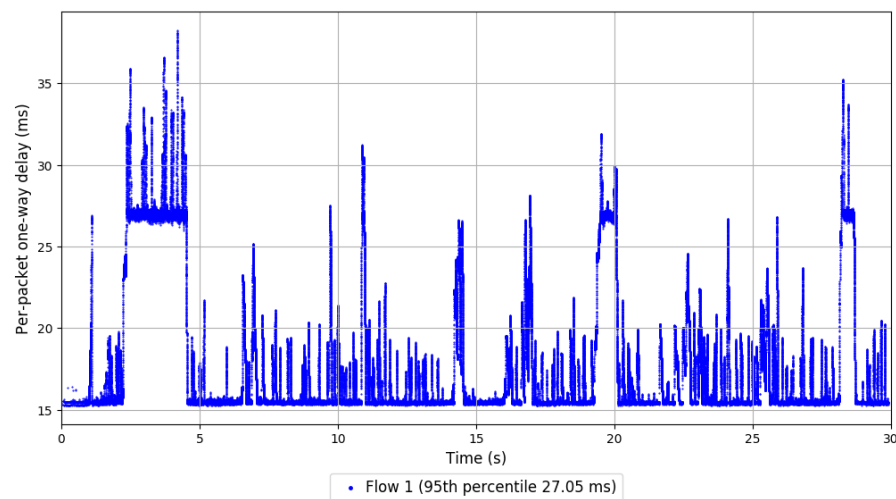
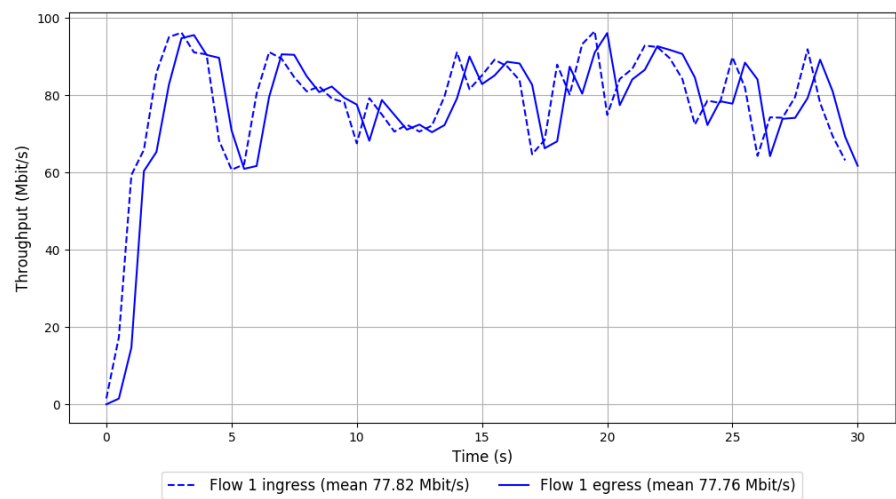
-- Flow 1:

Average throughput: 77.76 Mbit/s

95th percentile per-packet one-way delay: 27.049 ms

Loss rate: 0.16%

Run 10: Report of PCC-Vivace — Data Link

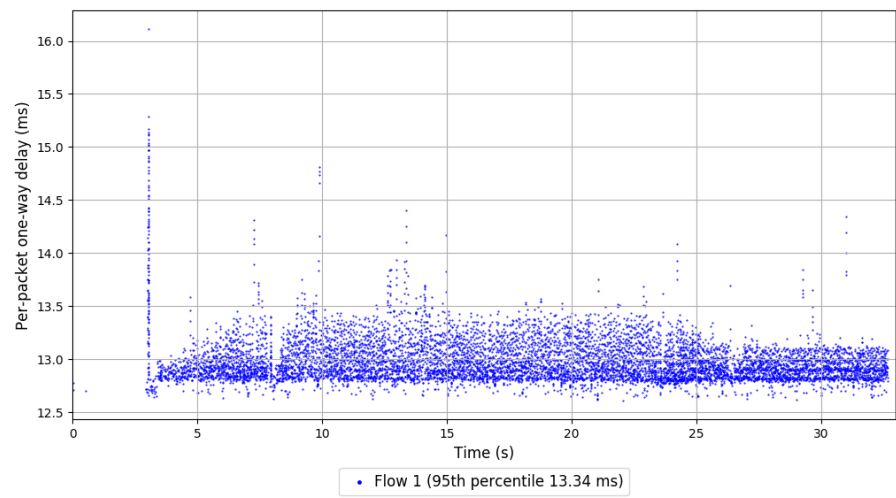
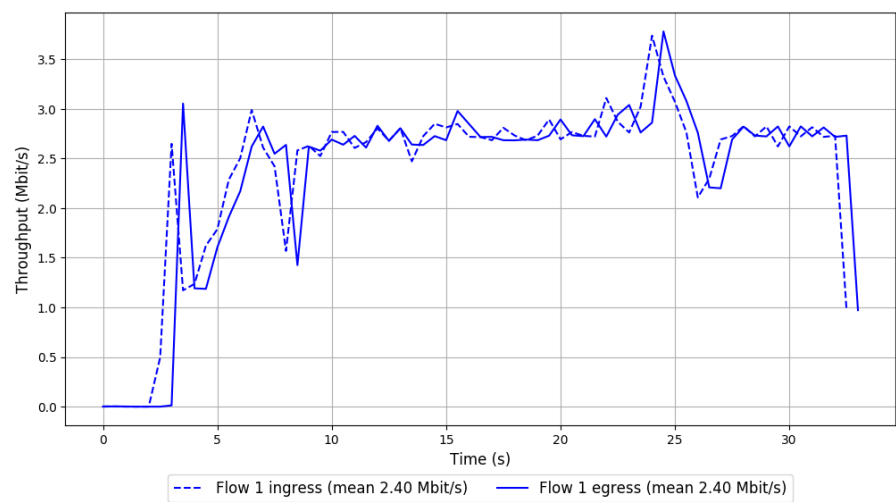


Run 1: Statistics of WebRTC media

Start at: 2018-07-10 12:24:26
End at: 2018-07-10 12:24:56
Local clock offset: 0.863 ms
Remote clock offset: -5.533 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 13.344 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 13.344 ms
Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link

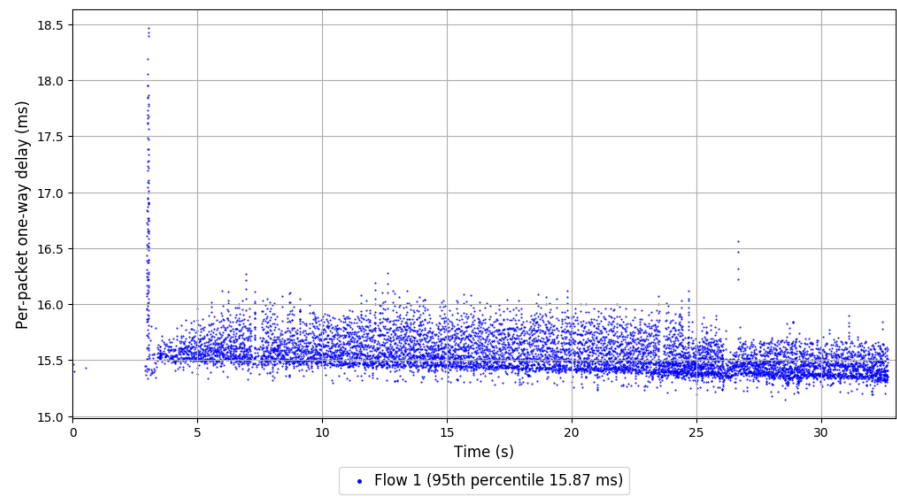
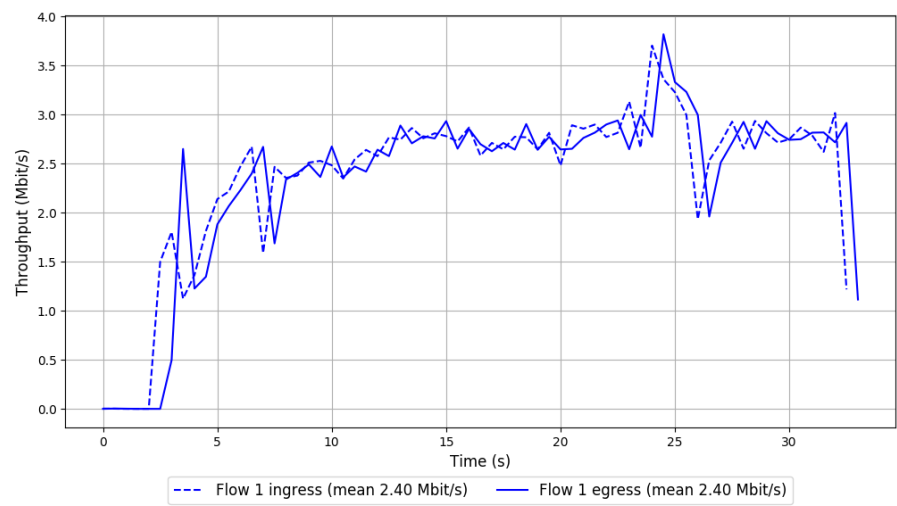


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 12:44:38
End at: 2018-07-10 12:45:08
Local clock offset: 1.537 ms
Remote clock offset: -10.438 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 15.871 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 15.871 ms
Loss rate: 0.13%

Run 2: Report of WebRTC media — Data Link

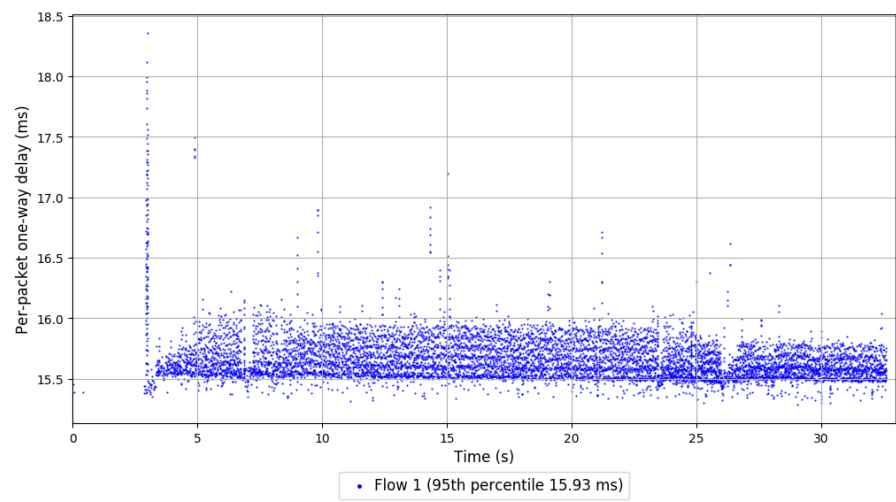
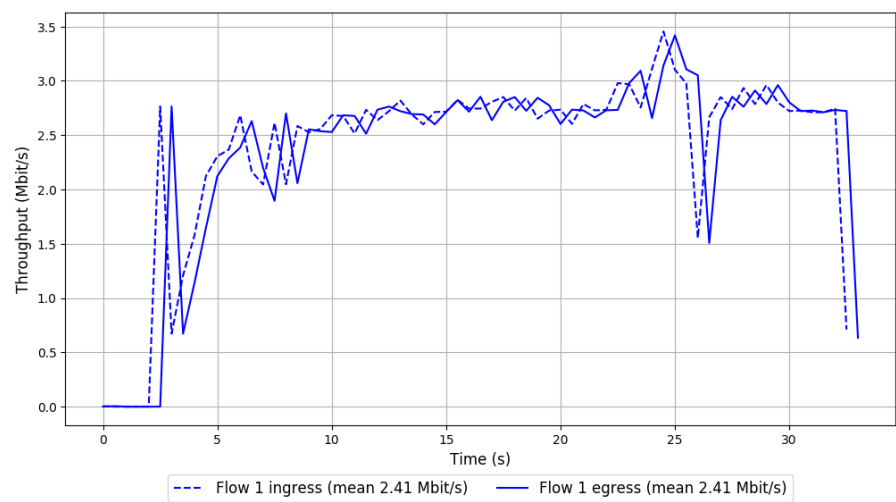


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 13:04:52
End at: 2018-07-10 13:05:22
Local clock offset: 1.311 ms
Remote clock offset: -15.169 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 15.928 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 15.928 ms
Loss rate: 0.11%

Run 3: Report of WebRTC media — Data Link

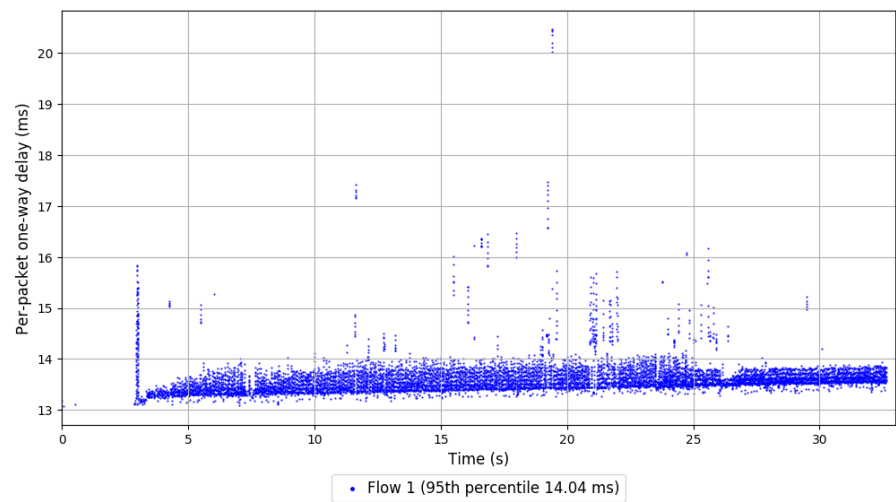
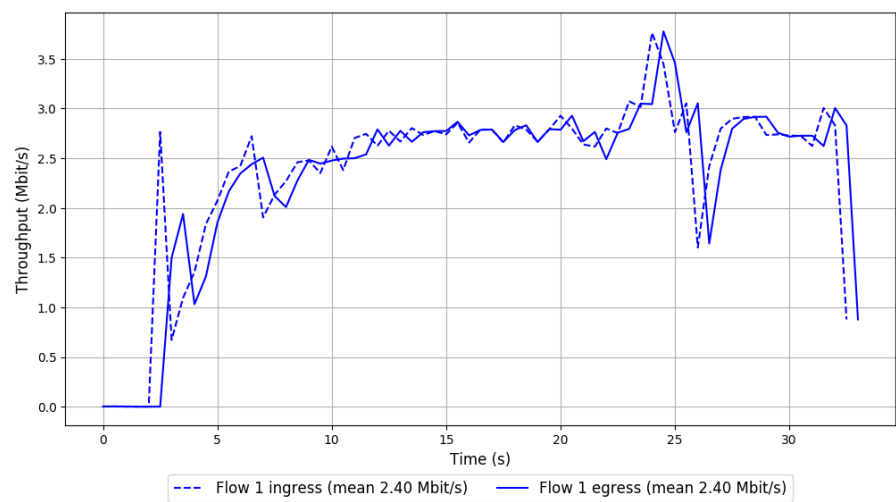


Run 4: Statistics of WebRTC media

Start at: 2018-07-10 13:24:55
End at: 2018-07-10 13:25:25
Local clock offset: -0.819 ms
Remote clock offset: -6.095 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 14.040 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 14.040 ms
Loss rate: 0.06%

Run 4: Report of WebRTC media — Data Link

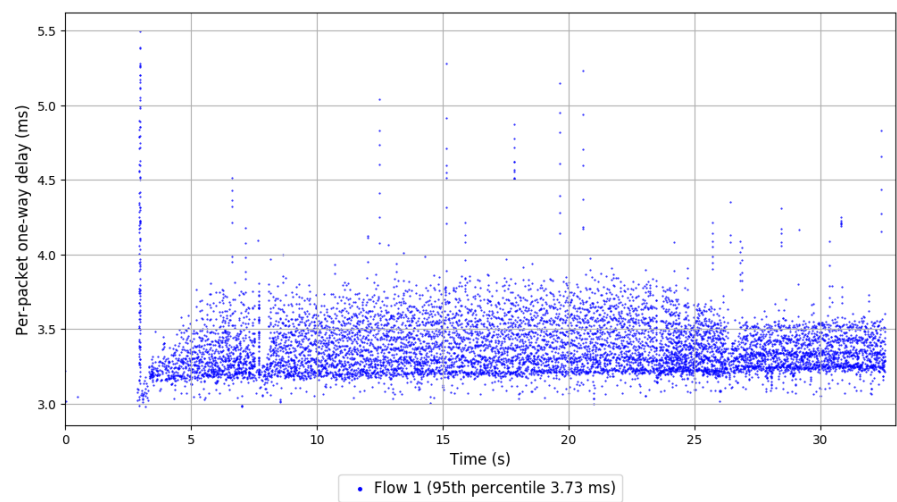
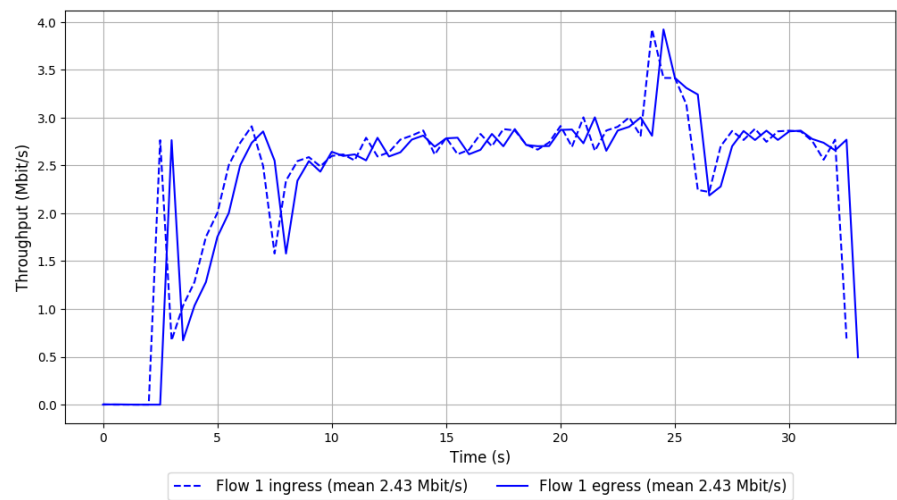


Run 5: Statistics of WebRTC media

Start at: 2018-07-10 13:45:07
End at: 2018-07-10 13:45:37
Local clock offset: 1.814 ms
Remote clock offset: 11.849 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 3.726 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 3.726 ms
Loss rate: 0.12%

Run 5: Report of WebRTC media — Data Link

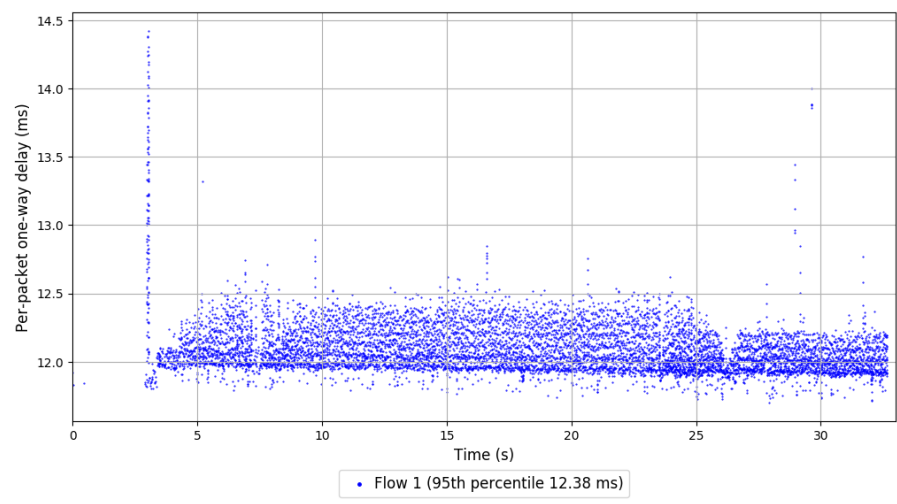
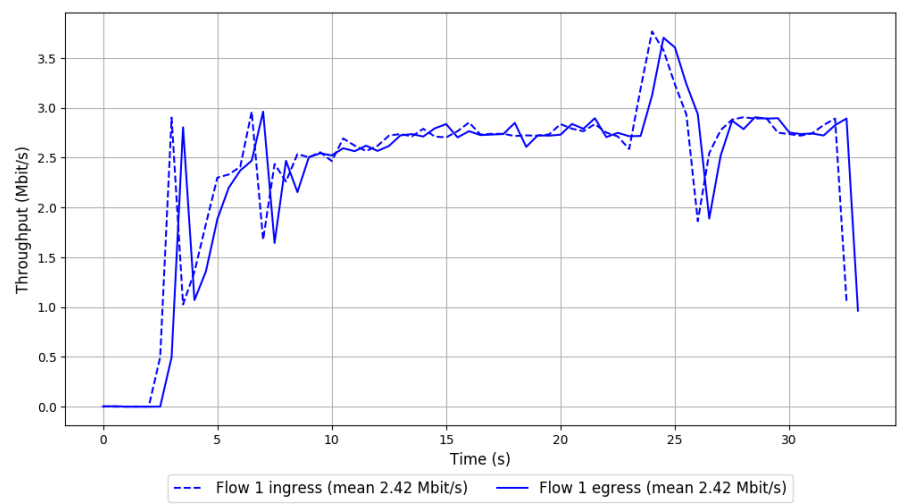


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 14:05:25
End at: 2018-07-10 14:05:55
Local clock offset: 2.231 ms
Remote clock offset: -2.327 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 12.382 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 12.382 ms
Loss rate: 0.12%

Run 6: Report of WebRTC media — Data Link

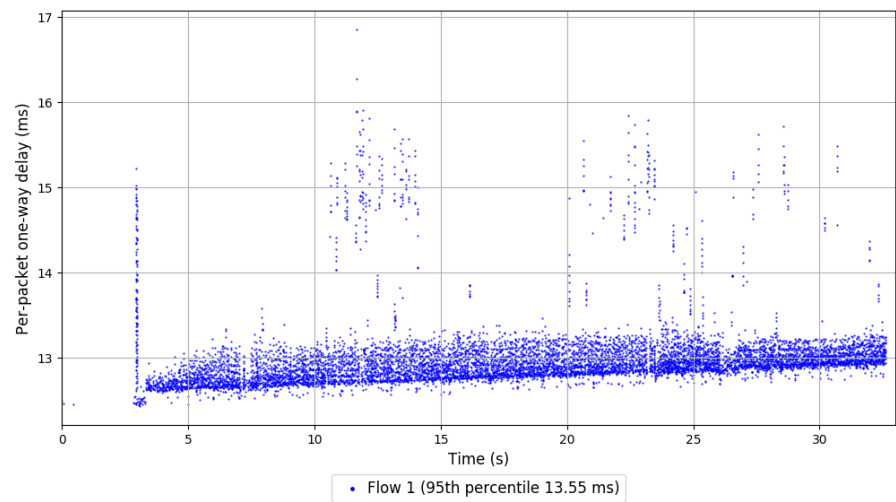
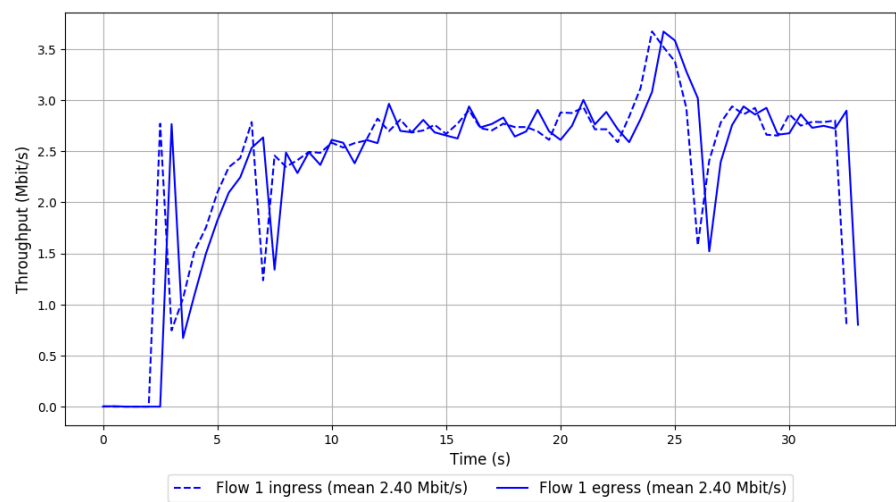


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 14:25:34
End at: 2018-07-10 14:26:04
Local clock offset: 2.631 ms
Remote clock offset: -2.739 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 13.547 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 13.547 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-10 14:45:55

End at: 2018-07-10 14:46:25

Local clock offset: 1.69 ms

Remote clock offset: 1.185 ms

Below is generated by plot.py at 2018-07-10 16:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 13.689 ms

Loss rate: 0.12%

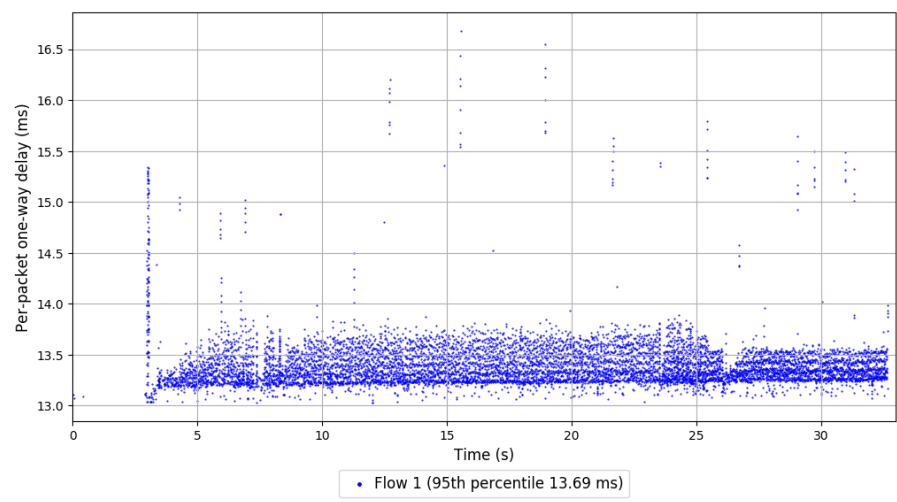
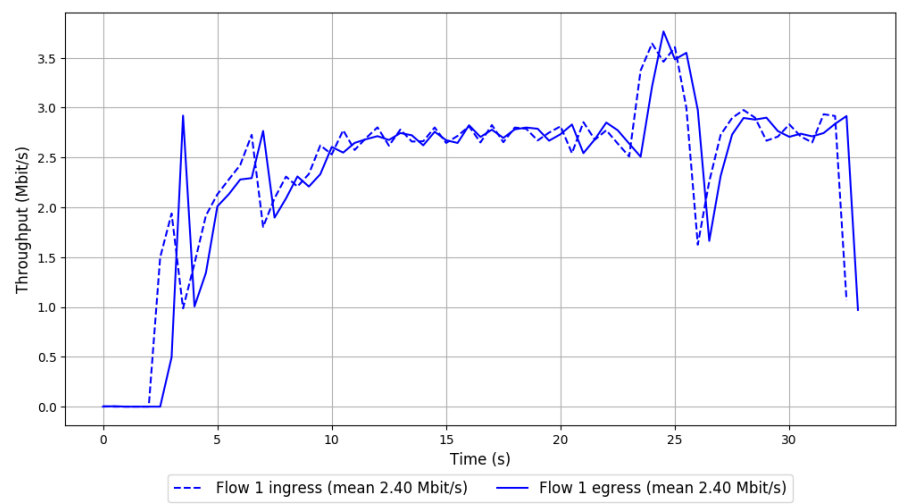
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 13.689 ms

Loss rate: 0.12%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-10 15:05:47

End at: 2018-07-10 15:06:17

Local clock offset: 0.868 ms

Remote clock offset: 2.939 ms

Below is generated by plot.py at 2018-07-10 16:04:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 8.841 ms

Loss rate: 0.13%

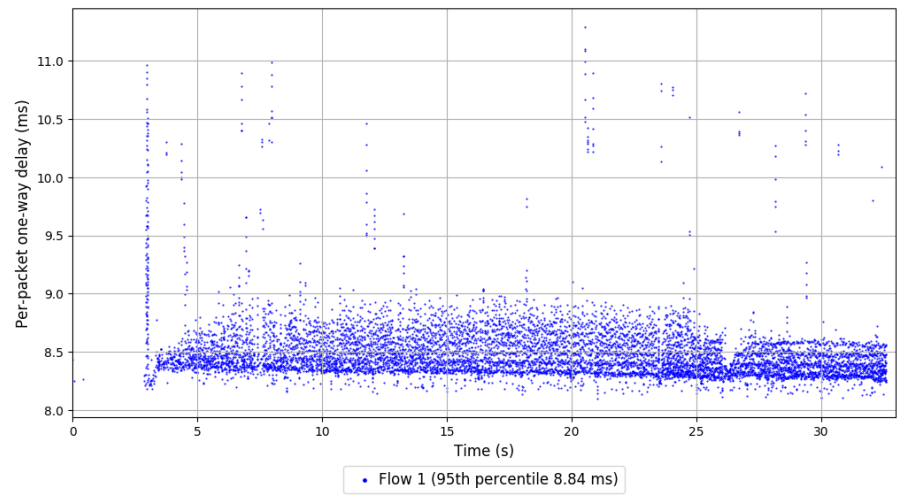
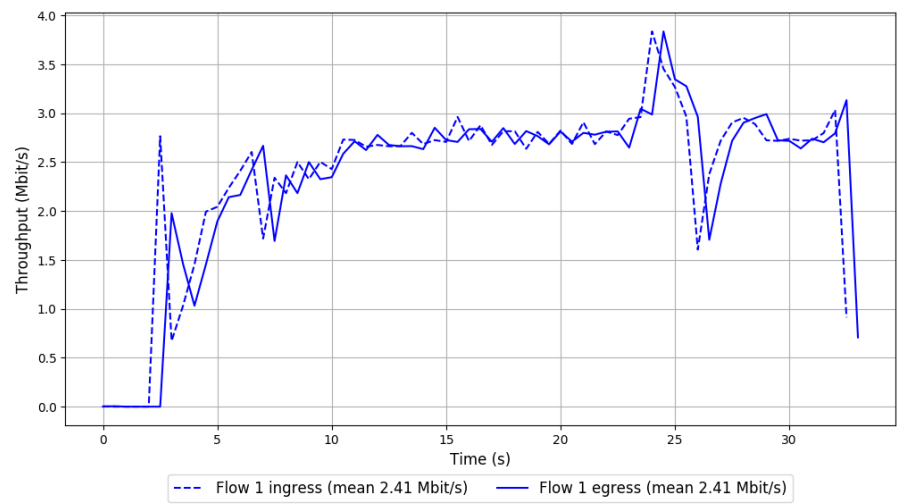
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 8.841 ms

Loss rate: 0.13%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 15:25:47
End at: 2018-07-10 15:26:17
Local clock offset: -2.421 ms
Remote clock offset: -4.898 ms

Below is generated by plot.py at 2018-07-10 16:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 11.315 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 11.315 ms
Loss rate: 0.07%

Run 10: Report of WebRTC media — Data Link

