

Pantheon Report

Generated at 2018-07-18 04:59:17 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

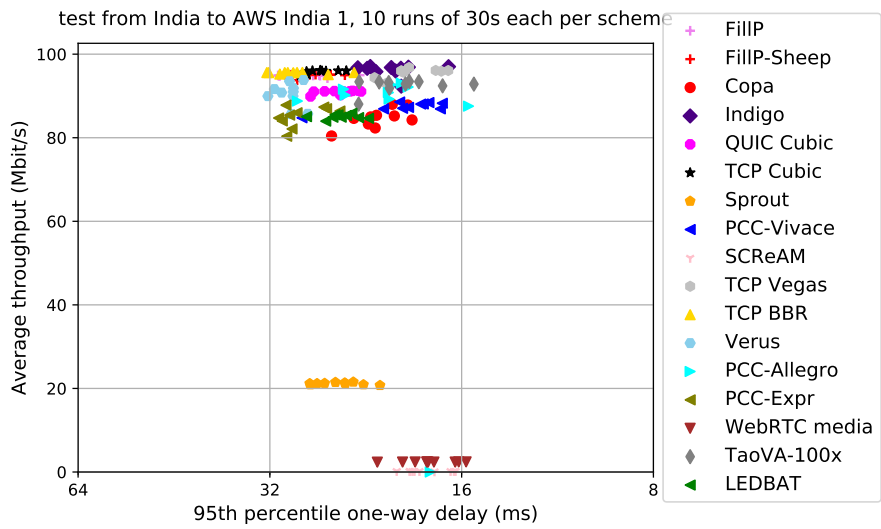
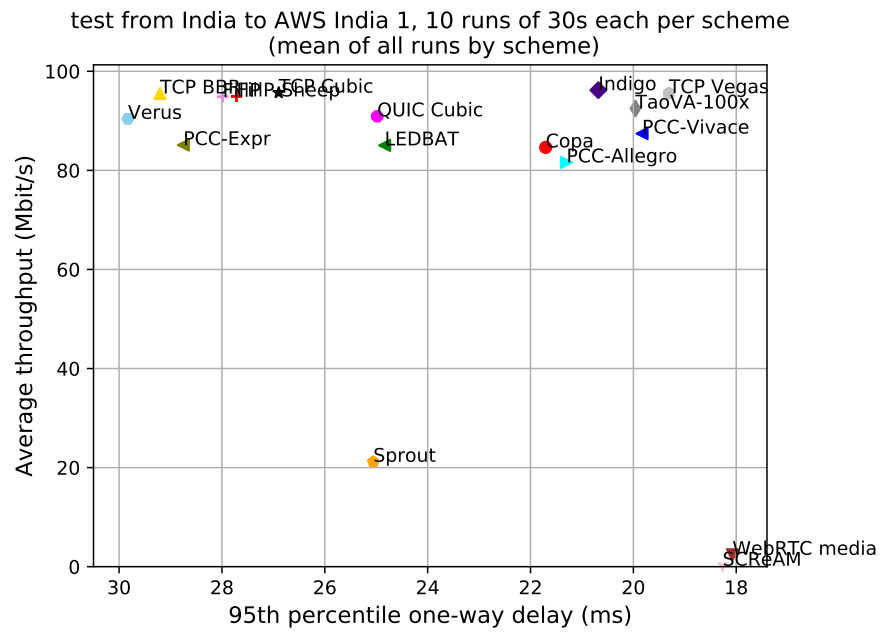
Each test lasted for 30 seconds running 1 flow.

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 @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
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-quic @ 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	95.51	29.20	3.18
Copa	10	84.63	21.71	0.09
TCP Cubic	10	95.67	26.90	0.10
FillP	10	94.85	27.99	0.11
FillP-Sheep	10	94.92	27.72	0.11
Indigo	10	96.19	20.68	0.10
LEDBAT	10	85.04	24.84	0.11
PCC-Allegro	10	81.61	21.30	0.36
PCC-Expr	10	85.11	28.75	0.14
QUIC Cubic	10	90.91	24.98	0.11
SCReAM	10	0.20	18.27	0.11
Sprout	10	21.17	25.06	0.09
TaoVA-100x	10	92.48	19.96	0.08
TCP Vegas	10	95.59	19.31	0.09
Verus	10	90.40	29.83	0.24
PCC-Vivace	10	87.42	19.83	0.09
WebRTC media	10	2.39	18.08	0.08

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 01:15:27

End at: 2018-07-18 01:15:57

Local clock offset: 0.189 ms

Remote clock offset: -8.937 ms

Below is generated by plot.py at 2018-07-18 04:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 29.992 ms

Loss rate: 2.79%

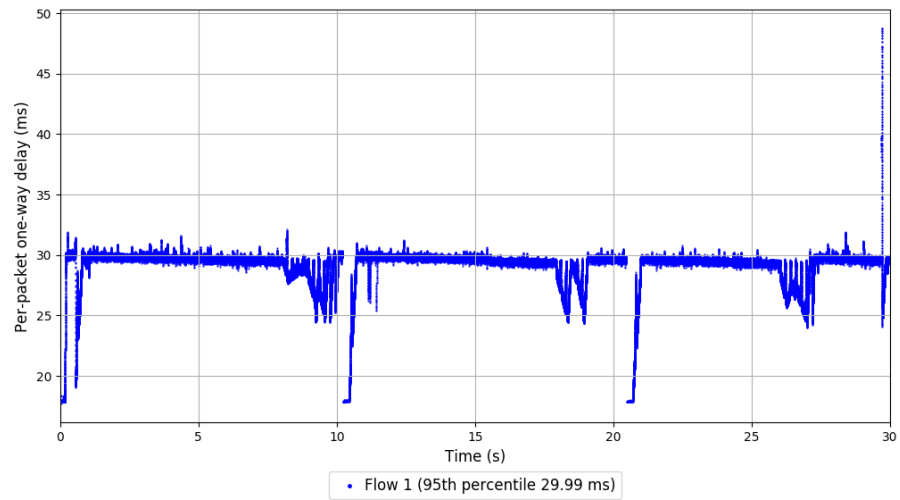
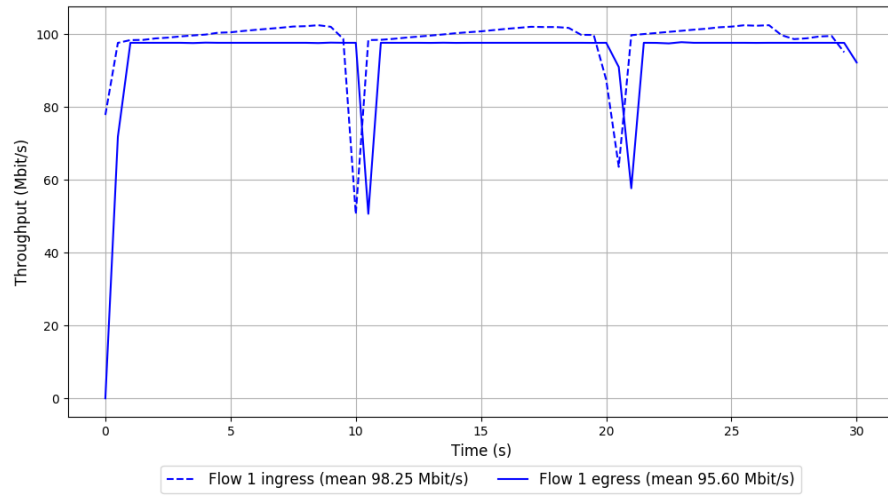
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 29.992 ms

Loss rate: 2.79%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-18 01:35:38

End at: 2018-07-18 01:36:08

Local clock offset: 2.546 ms

Remote clock offset: -7.047 ms

Below is generated by plot.py at 2018-07-18 04:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 30.324 ms

Loss rate: 3.55%

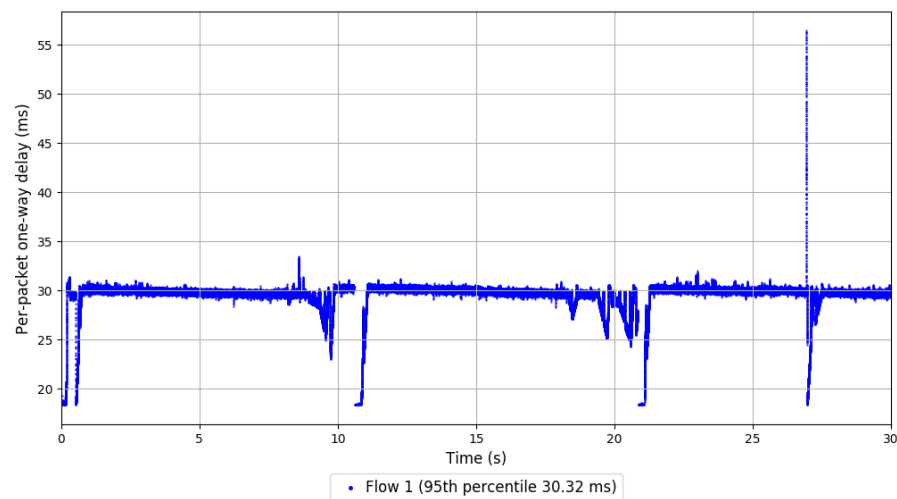
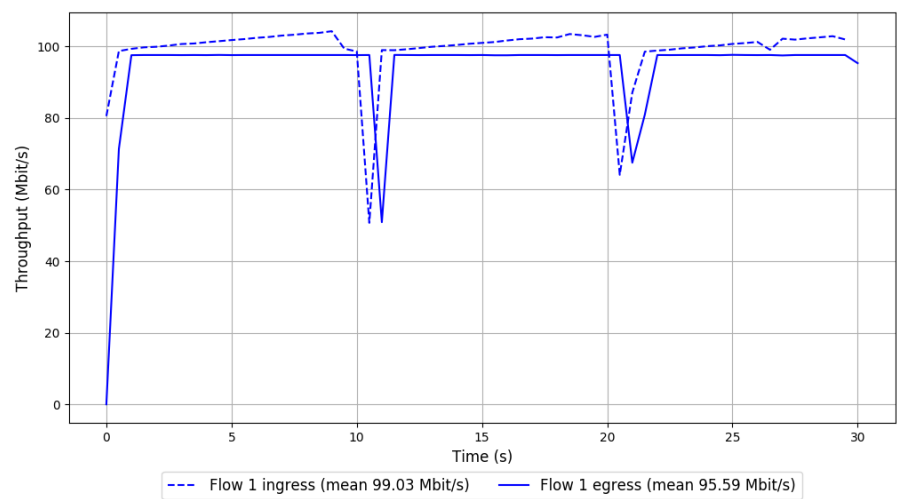
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 30.324 ms

Loss rate: 3.55%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-18 01:56:04

End at: 2018-07-18 01:56:34

Local clock offset: 4.555 ms

Remote clock offset: -5.824 ms

Below is generated by plot.py at 2018-07-18 04:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 32.349 ms

Loss rate: 3.49%

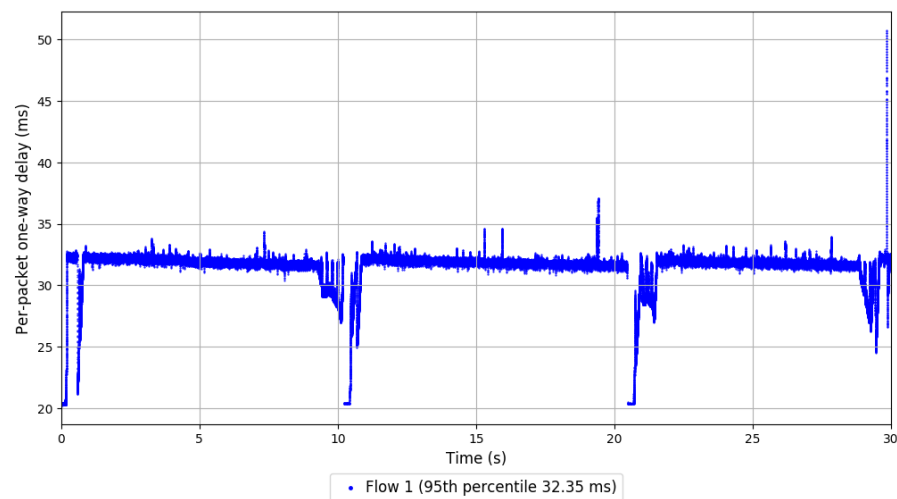
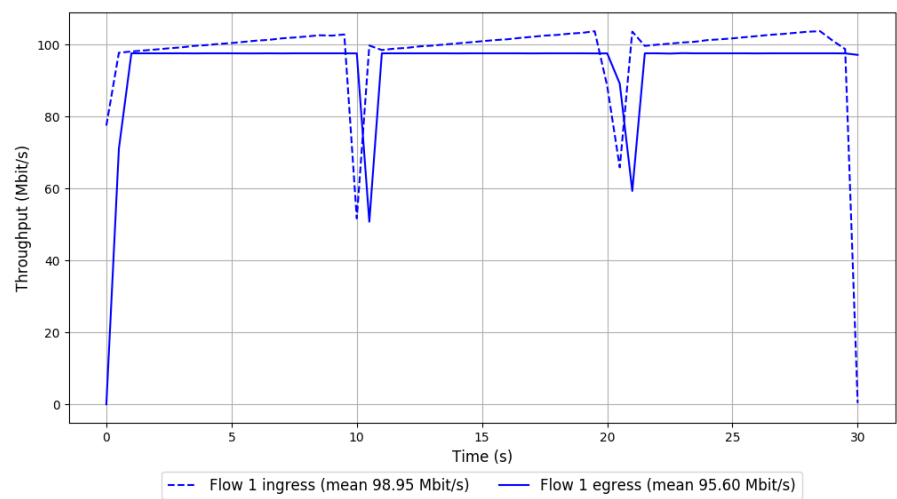
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 32.349 ms

Loss rate: 3.49%

Run 3: Report of TCP BBR — Data Link

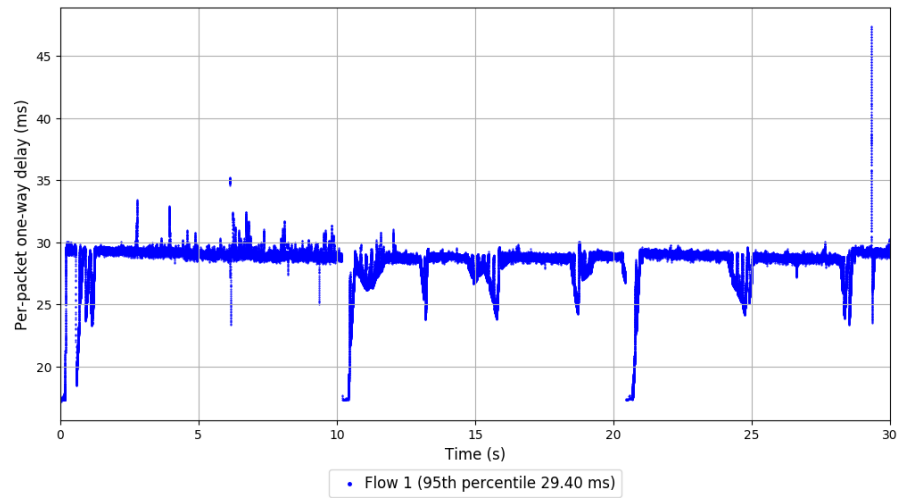
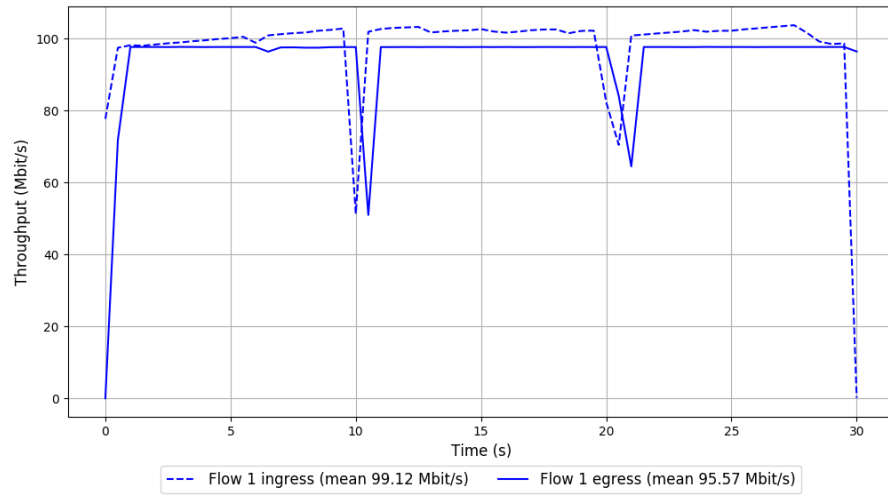


Run 4: Statistics of TCP BBR

Start at: 2018-07-18 02:16:39
End at: 2018-07-18 02:17:09
Local clock offset: 0.745 ms
Remote clock offset: -5.042 ms

Below is generated by plot.py at 2018-07-18 04:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 29.404 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 29.404 ms
Loss rate: 3.66%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-18 02:37:09

End at: 2018-07-18 02:37:39

Local clock offset: 2.605 ms

Remote clock offset: -2.86 ms

Below is generated by plot.py at 2018-07-18 04:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 30.869 ms

Loss rate: 3.25%

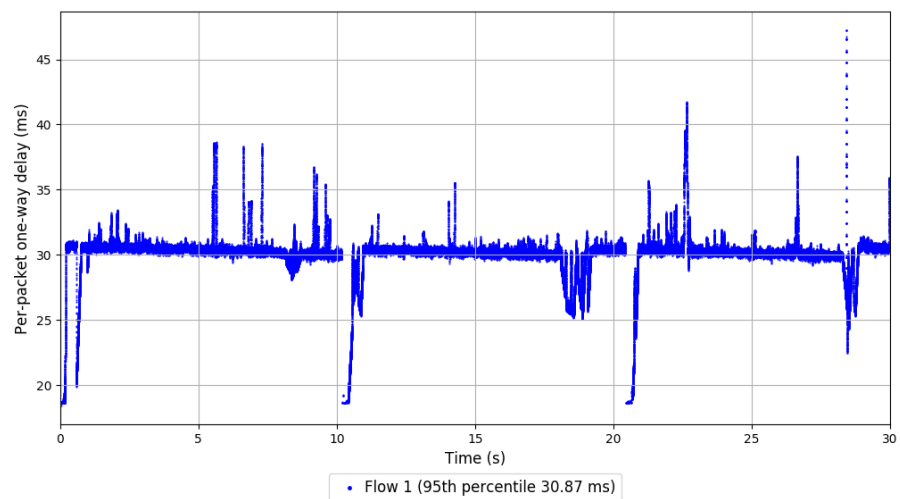
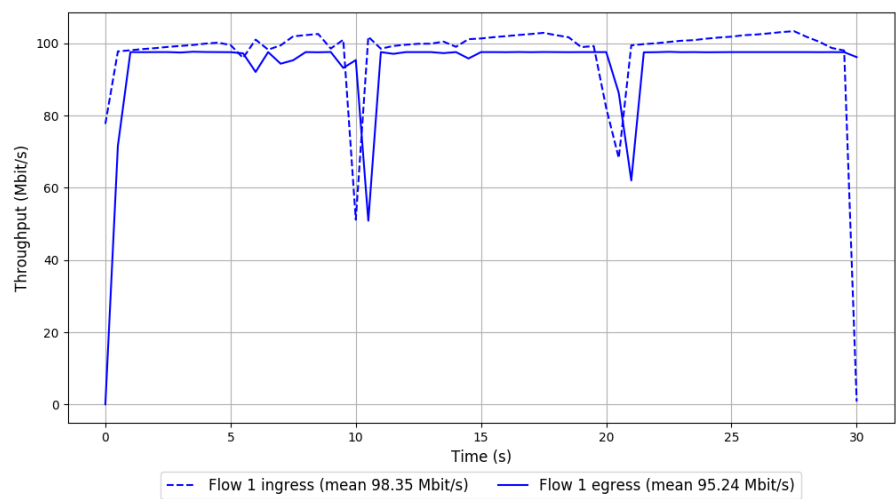
-- Flow 1:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 30.869 ms

Loss rate: 3.25%

Run 5: Report of TCP BBR — Data Link

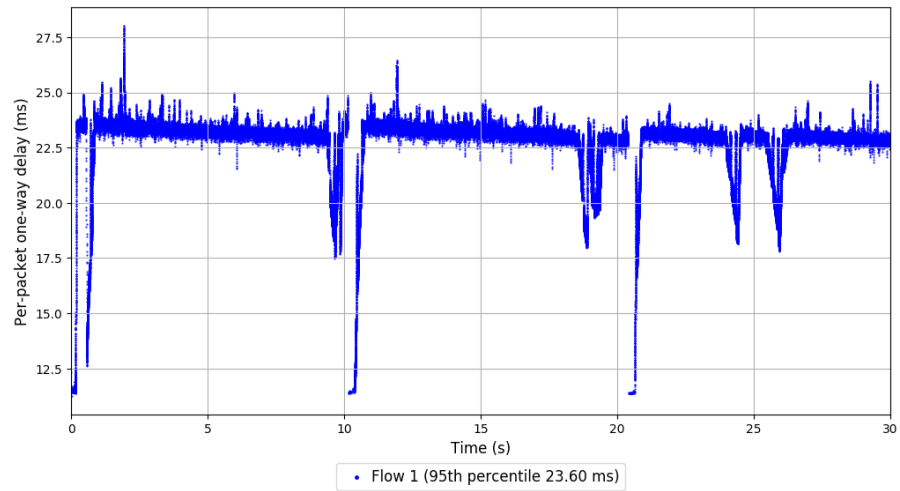
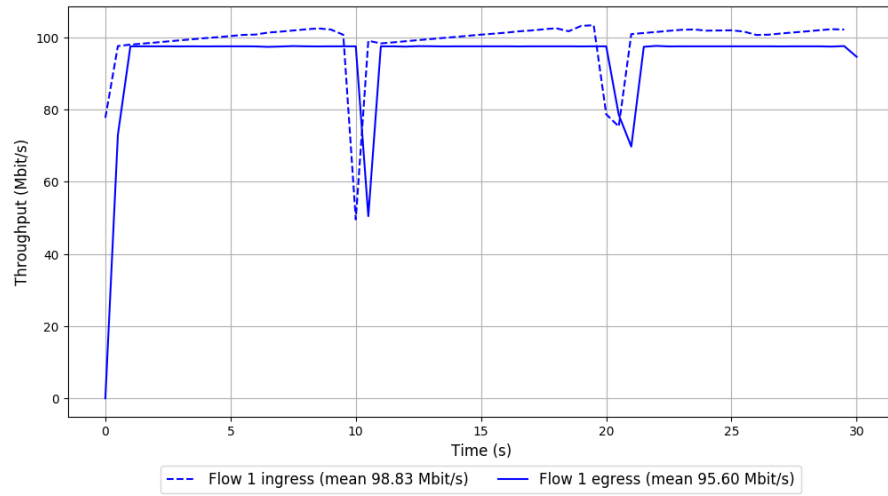


Run 6: Statistics of TCP BBR

Start at: 2018-07-18 02:58:00
End at: 2018-07-18 02:58:30
Local clock offset: -6.508 ms
Remote clock offset: -7.342 ms

Below is generated by plot.py at 2018-07-18 04:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 23.597 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 23.597 ms
Loss rate: 3.35%

Run 6: Report of TCP BBR — Data Link

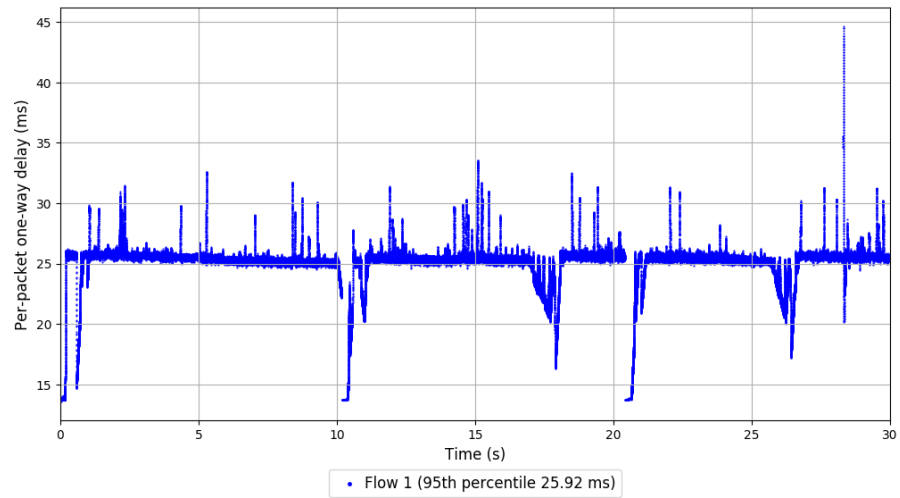
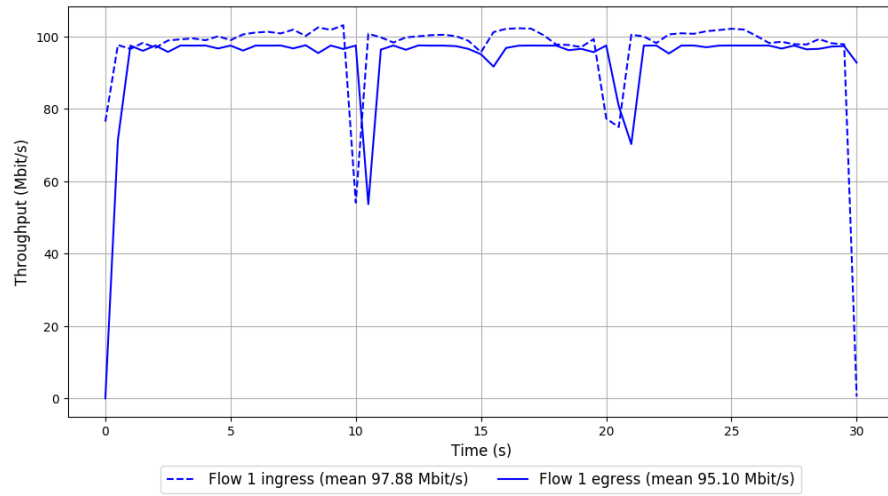


Run 7: Statistics of TCP BBR

Start at: 2018-07-18 03:18:43
End at: 2018-07-18 03:19:13
Local clock offset: -3.012 ms
Remote clock offset: -7.367 ms

Below is generated by plot.py at 2018-07-18 04:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 25.916 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 25.916 ms
Loss rate: 2.93%

Run 7: Report of TCP BBR — Data Link

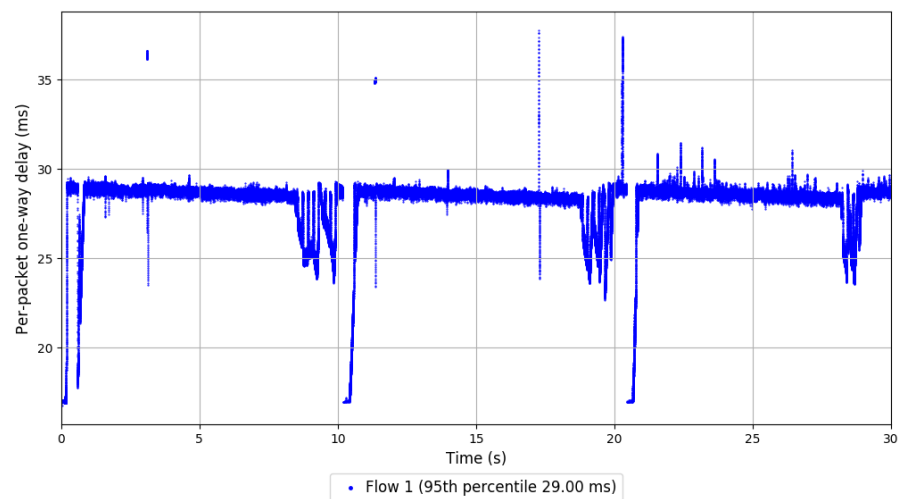
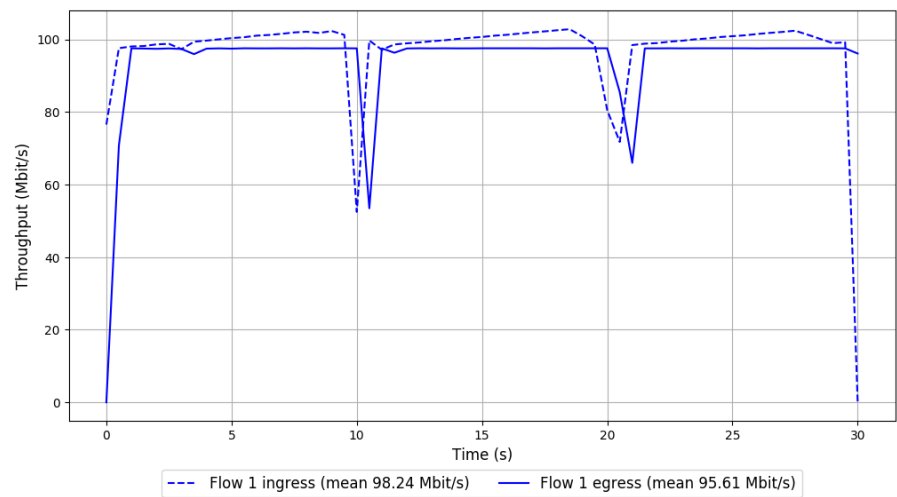


Run 8: Statistics of TCP BBR

Start at: 2018-07-18 03:39:10
End at: 2018-07-18 03:39:40
Local clock offset: 1.032 ms
Remote clock offset: -5.606 ms

Below is generated by plot.py at 2018-07-18 04:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 29.005 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 29.005 ms
Loss rate: 2.75%

Run 8: Report of TCP BBR — Data Link

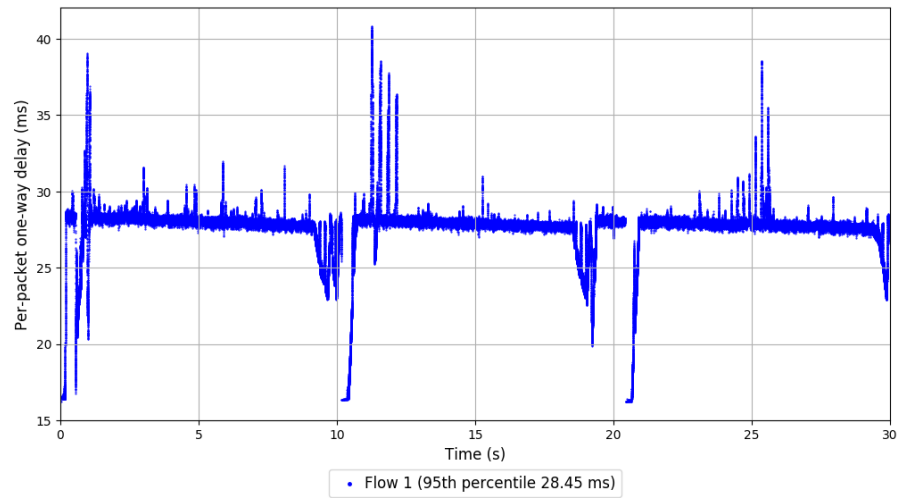
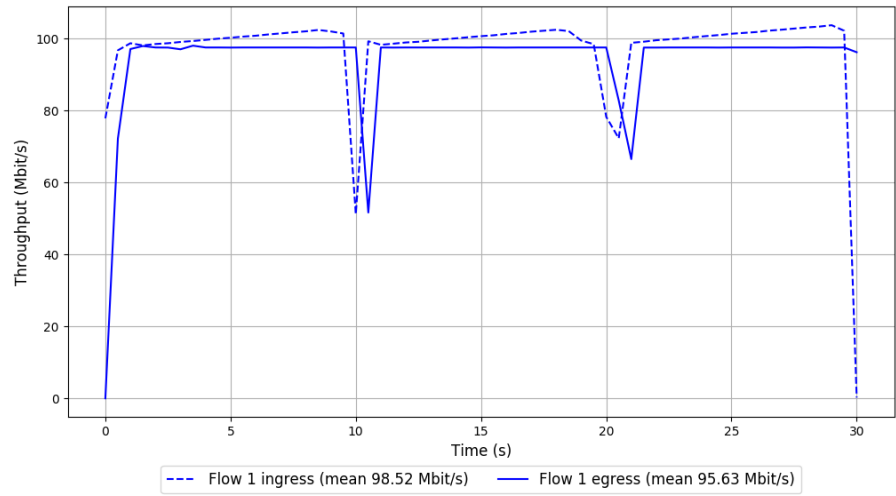


Run 9: Statistics of TCP BBR

Start at: 2018-07-18 03:59:28
End at: 2018-07-18 03:59:58
Local clock offset: -0.133 ms
Remote clock offset: -7.522 ms

Below is generated by plot.py at 2018-07-18 04:37:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 28.453 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 28.453 ms
Loss rate: 3.01%

Run 9: Report of TCP BBR — Data Link

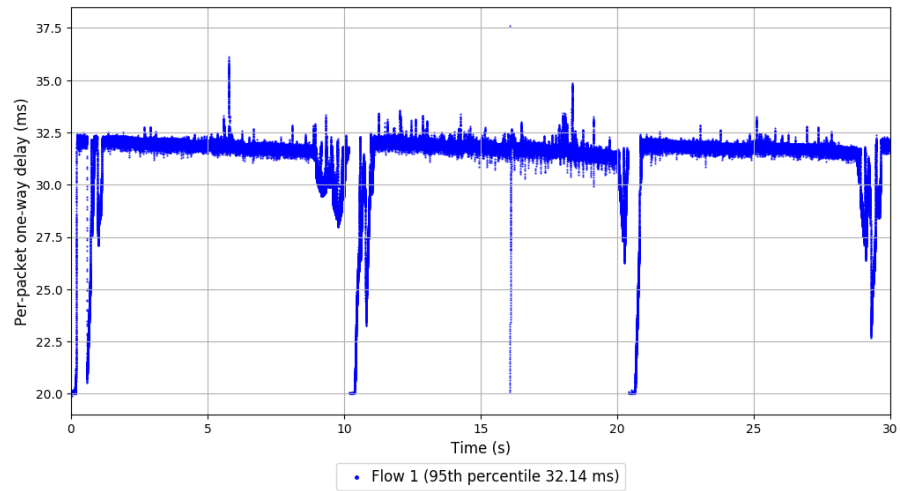
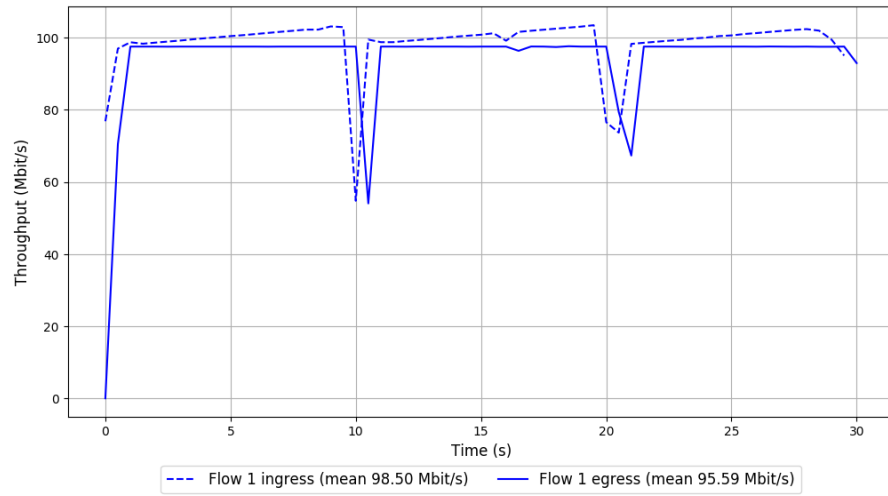


Run 10: Statistics of TCP BBR

Start at: 2018-07-18 04:19:41
End at: 2018-07-18 04:20:11
Local clock offset: 3.344 ms
Remote clock offset: -12.193 ms

Below is generated by plot.py at 2018-07-18 04:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 3.04%

Run 10: Report of TCP BBR — Data Link

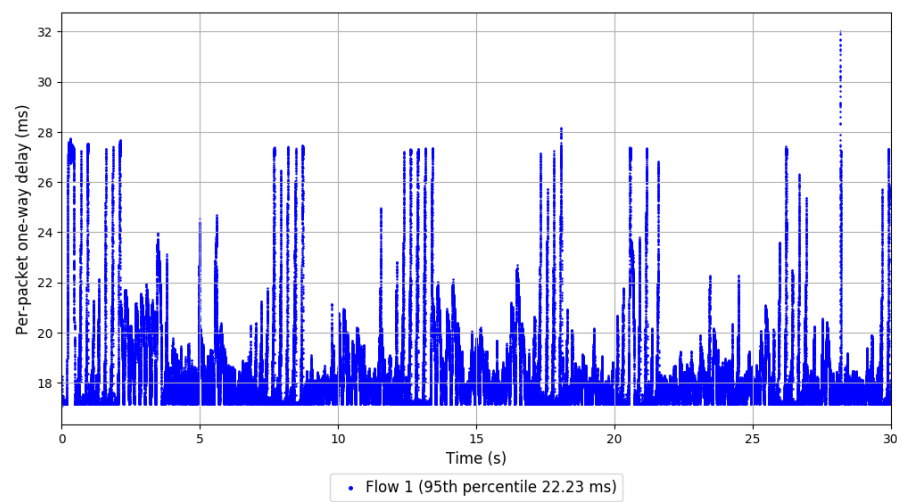
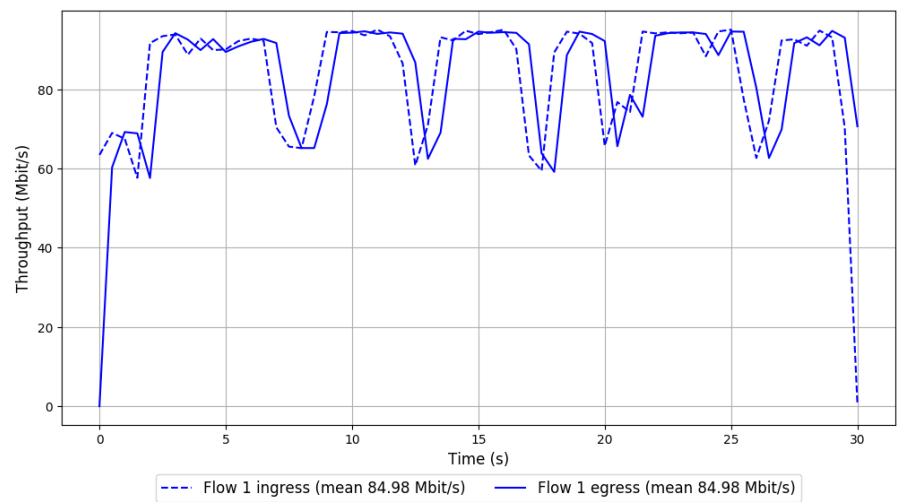


Run 1: Statistics of Copa

Start at: 2018-07-18 01:27:15
End at: 2018-07-18 01:27:45
Local clock offset: -0.049 ms
Remote clock offset: -8.543 ms

Below is generated by plot.py at 2018-07-18 04:38:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 22.231 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 22.231 ms
Loss rate: 0.07%

Run 1: Report of Copa — Data Link

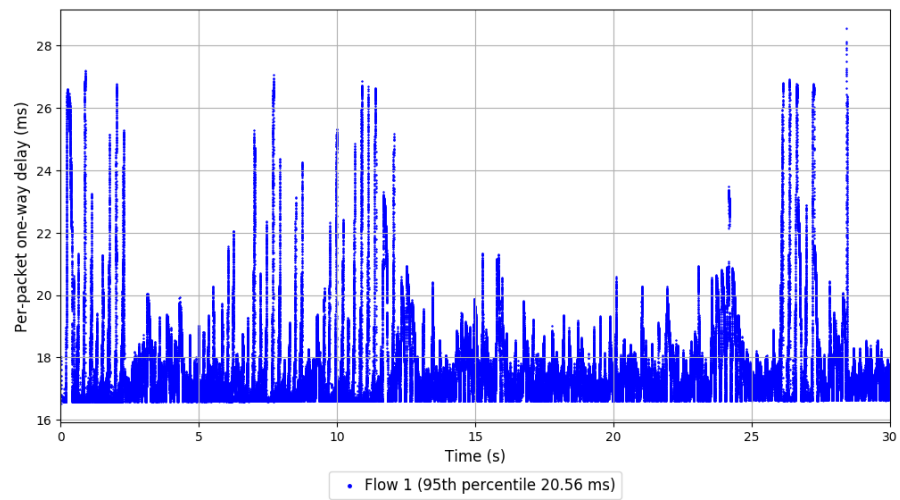
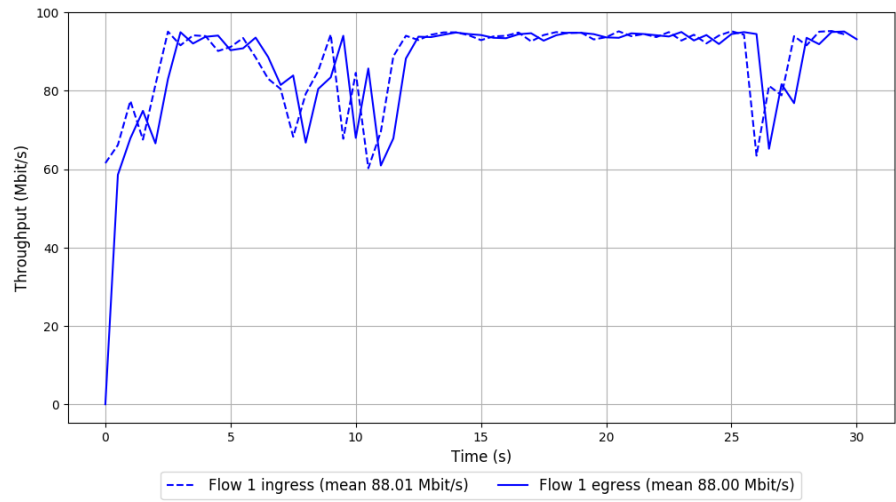


Run 2: Statistics of Copa

Start at: 2018-07-18 01:47:39
End at: 2018-07-18 01:48:09
Local clock offset: 0.479 ms
Remote clock offset: -6.713 ms

Below is generated by plot.py at 2018-07-18 04:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 20.558 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 20.558 ms
Loss rate: 0.09%

Run 2: Report of Copa — Data Link

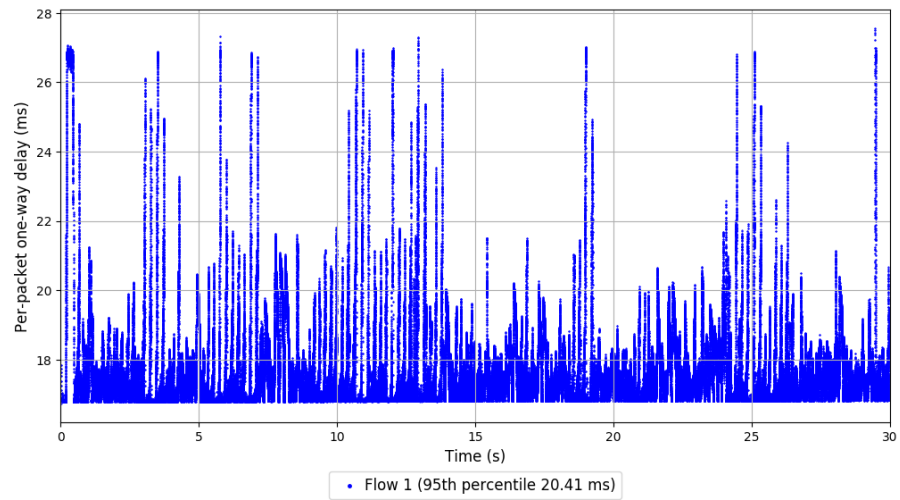
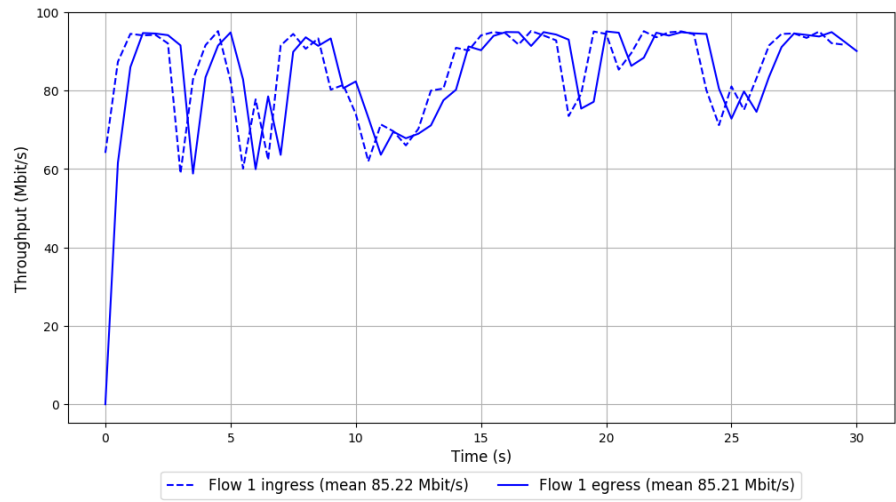


Run 3: Statistics of Copa

Start at: 2018-07-18 02:08:06
End at: 2018-07-18 02:08:36
Local clock offset: 0.432 ms
Remote clock offset: -5.458 ms

Below is generated by plot.py at 2018-07-18 04:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 20.407 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 20.407 ms
Loss rate: 0.09%

Run 3: Report of Copa — Data Link

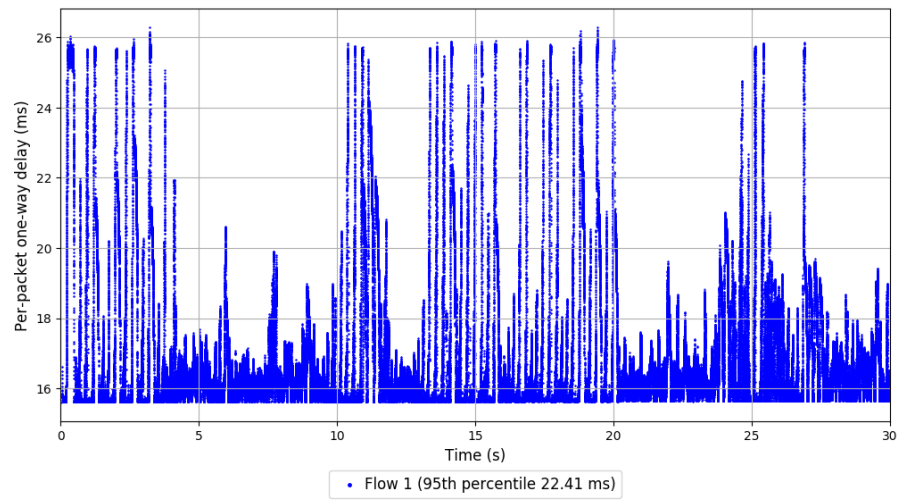
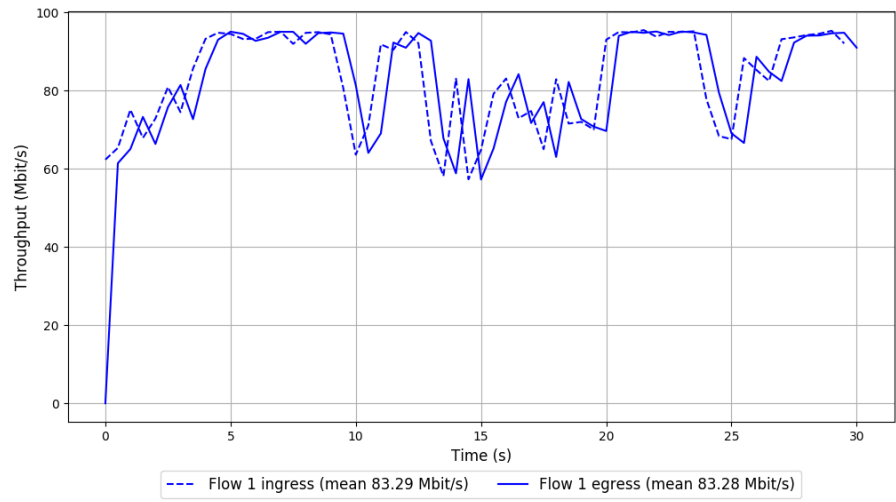


Run 4: Statistics of Copa

Start at: 2018-07-18 02:28:34
End at: 2018-07-18 02:29:04
Local clock offset: -0.691 ms
Remote clock offset: -3.734 ms

Below is generated by plot.py at 2018-07-18 04:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 22.415 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 22.415 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link

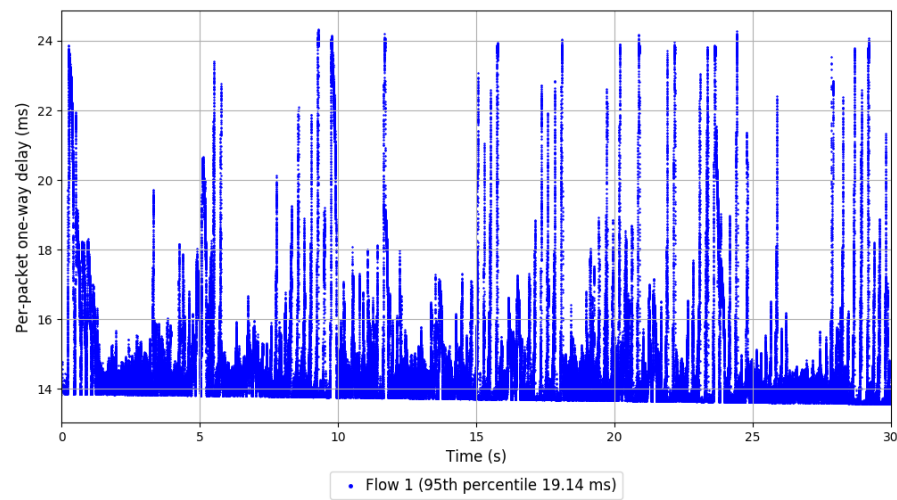
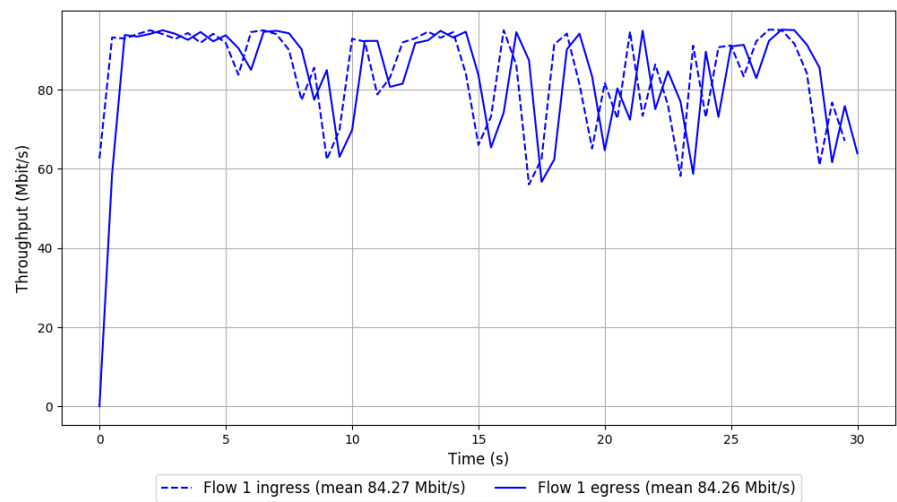


Run 5: Statistics of Copa

Start at: 2018-07-18 02:49:16
End at: 2018-07-18 02:49:46
Local clock offset: -2.072 ms
Remote clock offset: -2.322 ms

Below is generated by plot.py at 2018-07-18 04:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.10%

Run 5: Report of Copa — Data Link

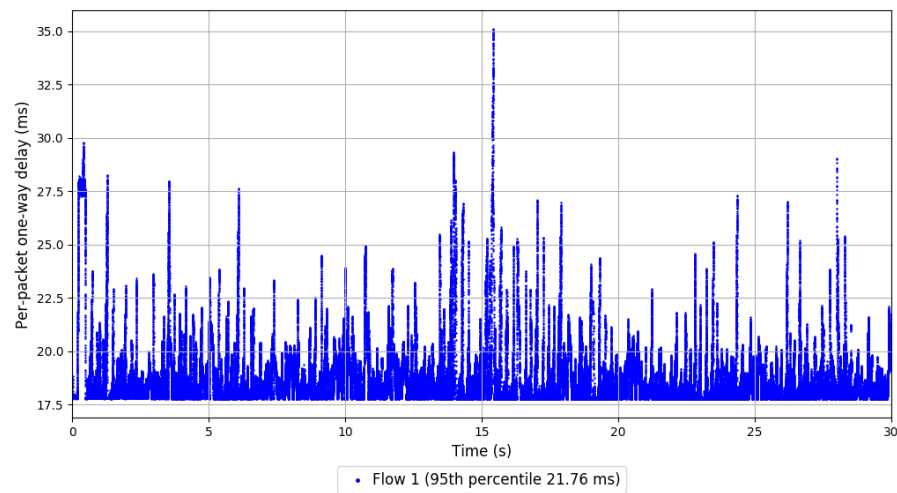
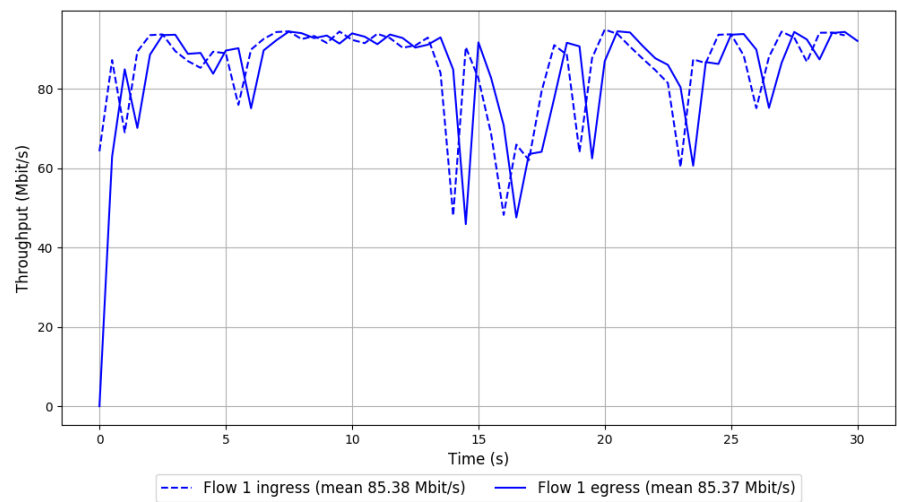


Run 6: Statistics of Copa

Start at: 2018-07-18 03:09:56
End at: 2018-07-18 03:10:26
Local clock offset: 0.473 ms
Remote clock offset: -7.647 ms

Below is generated by plot.py at 2018-07-18 04:38:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 21.764 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 21.764 ms
Loss rate: 0.09%

Run 6: Report of Copa — Data Link

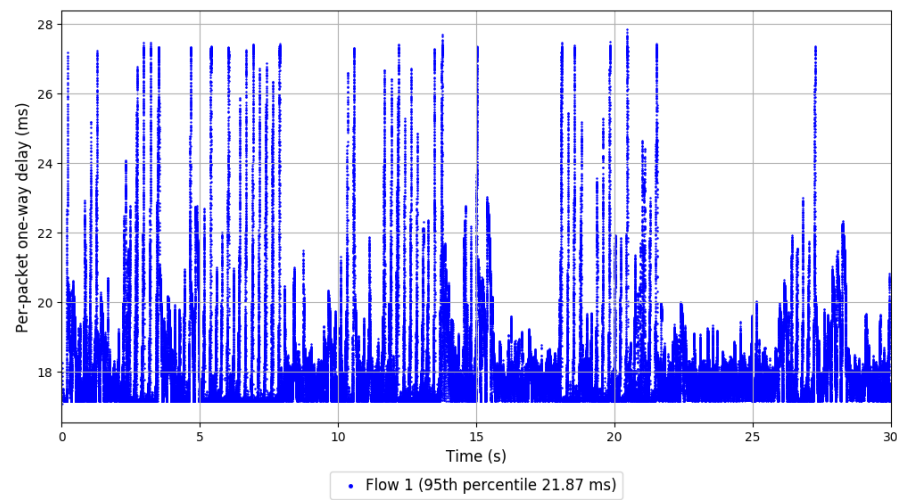
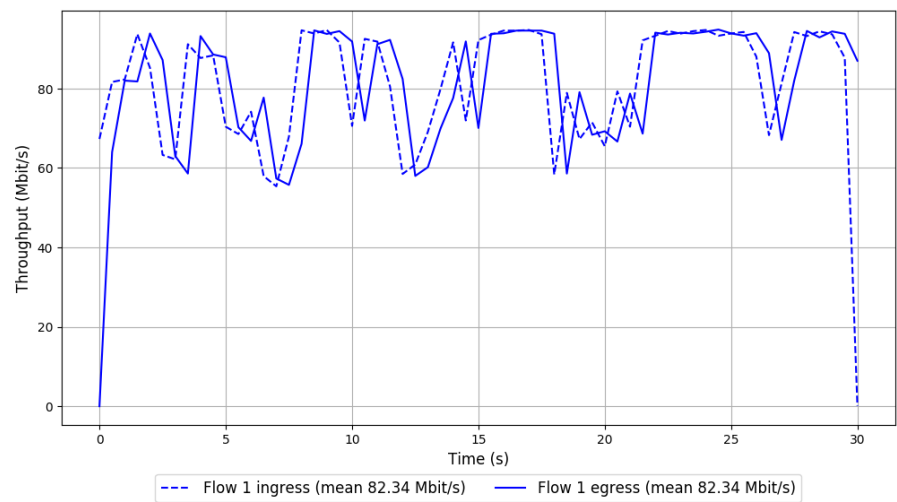


Run 7: Statistics of Copa

Start at: 2018-07-18 03:30:32
End at: 2018-07-18 03:31:02
Local clock offset: -0.319 ms
Remote clock offset: -7.439 ms

Below is generated by plot.py at 2018-07-18 04:39:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 21.868 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 21.868 ms
Loss rate: 0.08%

Run 7: Report of Copa — Data Link

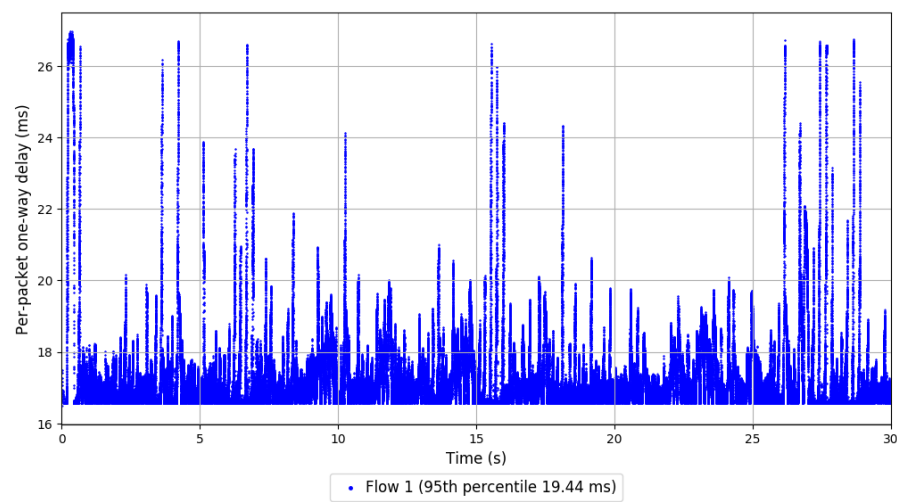
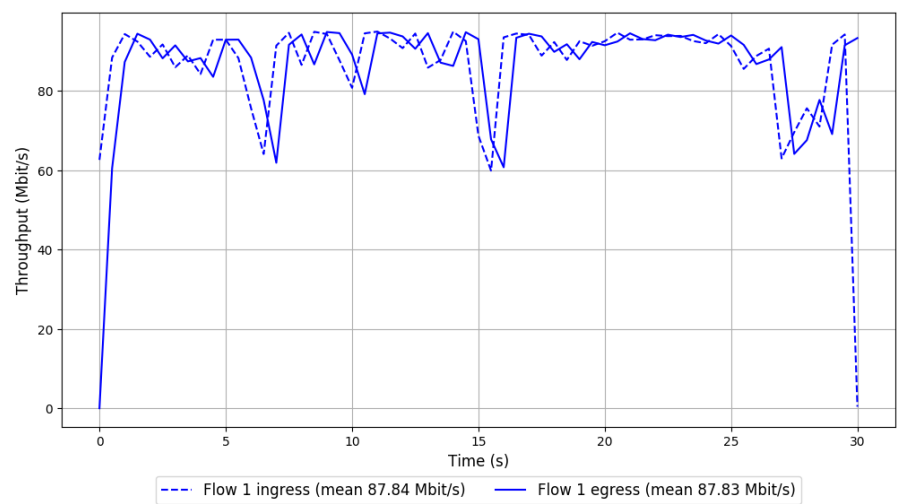


Run 8: Statistics of Copa

Start at: 2018-07-18 03:51:00
End at: 2018-07-18 03:51:30
Local clock offset: 0.1 ms
Remote clock offset: -6.399 ms

Below is generated by plot.py at 2018-07-18 04:40:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.09%

Run 8: Report of Copa — Data Link

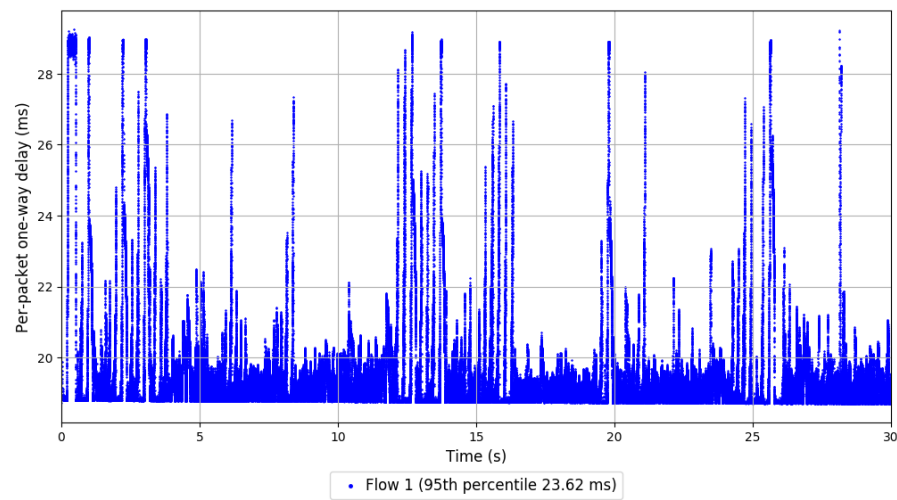
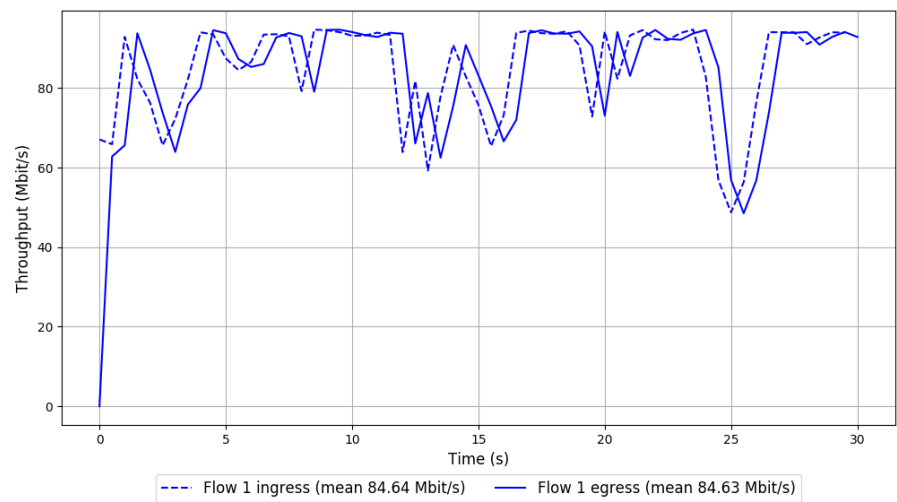


Run 9: Statistics of Copa

Start at: 2018-07-18 04:11:27
End at: 2018-07-18 04:11:57
Local clock offset: -2.19 ms
Remote clock offset: -15.36 ms

Below is generated by plot.py at 2018-07-18 04:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.63 Mbit/s
95th percentile per-packet one-way delay: 23.624 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.63 Mbit/s
95th percentile per-packet one-way delay: 23.624 ms
Loss rate: 0.09%

Run 9: Report of Copa — Data Link

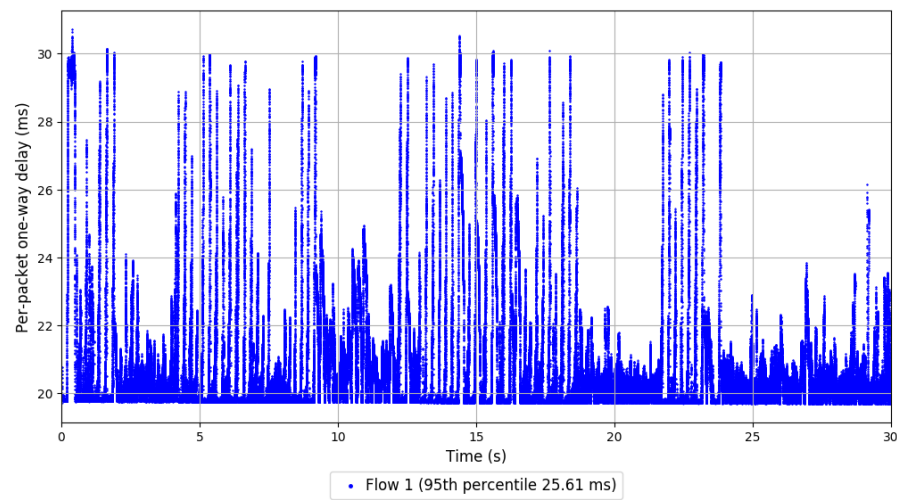
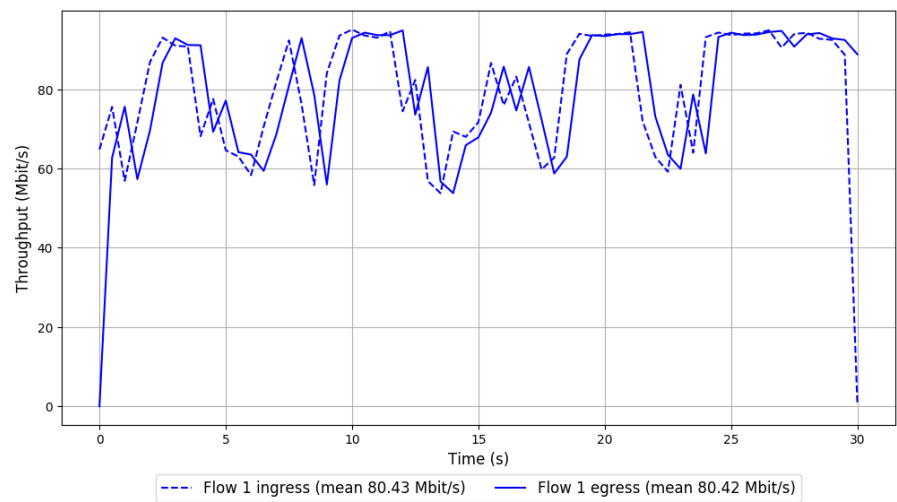


Run 10: Statistics of Copa

Start at: 2018-07-18 04:31:32
End at: 2018-07-18 04:32:02
Local clock offset: 2.095 ms
Remote clock offset: -12.747 ms

Below is generated by plot.py at 2018-07-18 04:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 25.605 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 25.605 ms
Loss rate: 0.09%

Run 10: Report of Copa — Data Link

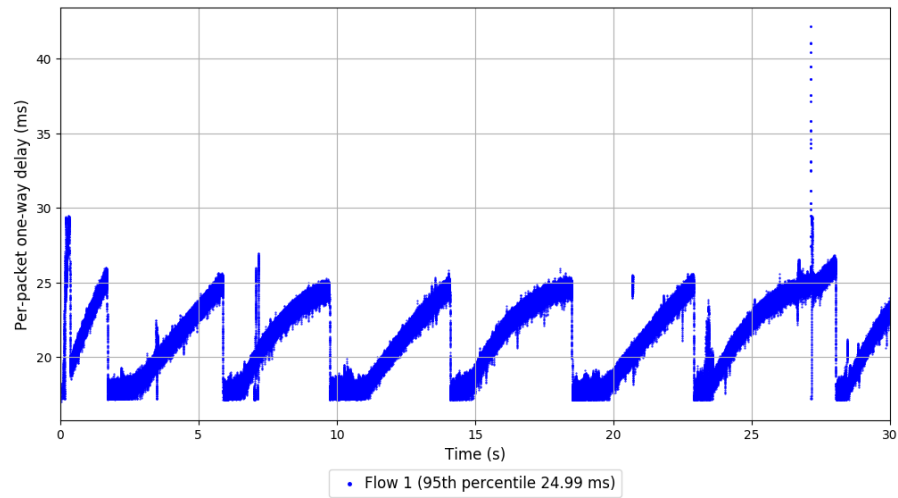
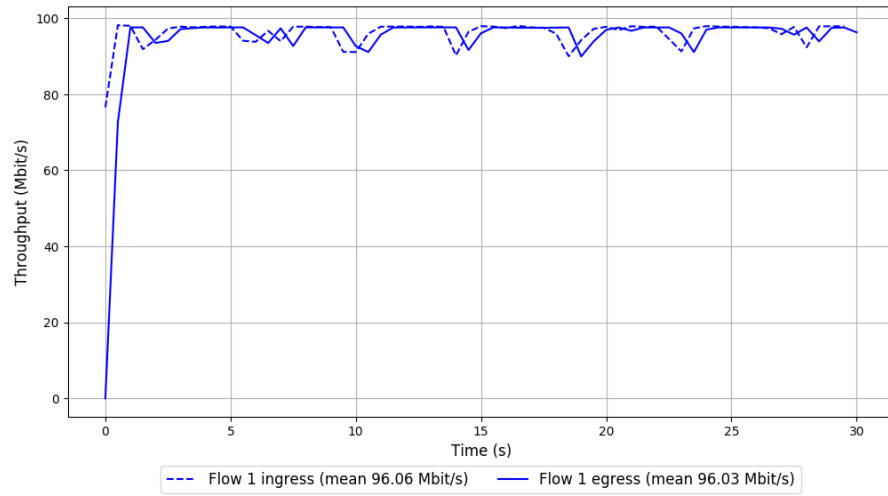


Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 01:26:04
End at: 2018-07-18 01:26:34
Local clock offset: -0.548 ms
Remote clock offset: -9.018 ms

Below is generated by plot.py at 2018-07-18 04:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 24.991 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 24.991 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

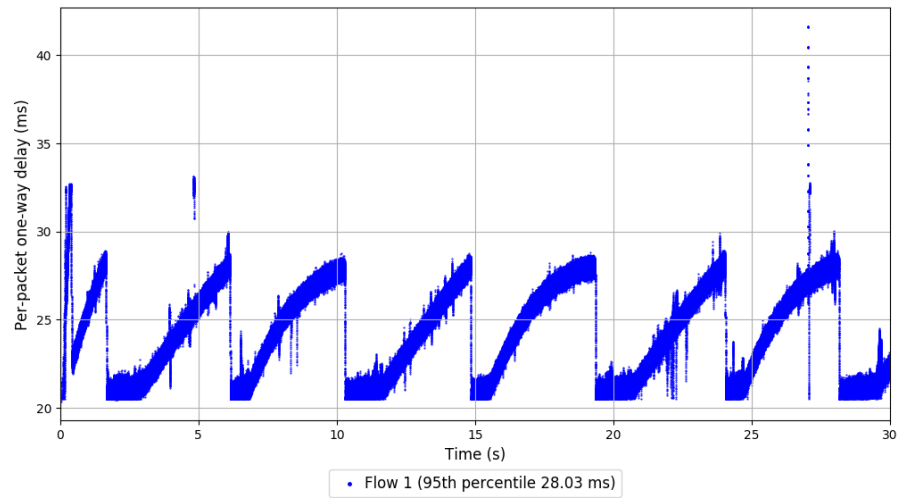
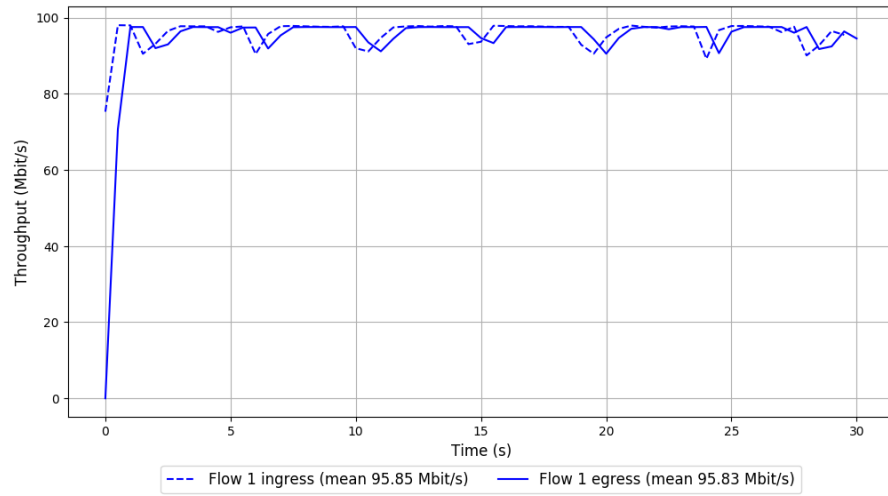


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 01:46:28
End at: 2018-07-18 01:46:58
Local clock offset: 3.283 ms
Remote clock offset: -7.911 ms

Below is generated by plot.py at 2018-07-18 04:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 28.029 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 28.029 ms
Loss rate: 0.09%

Run 2: Report of TCP Cubic — Data Link

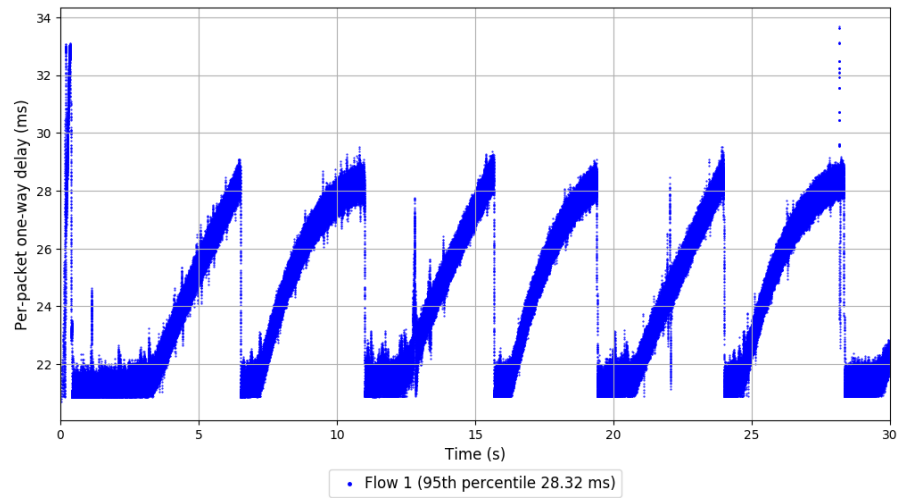
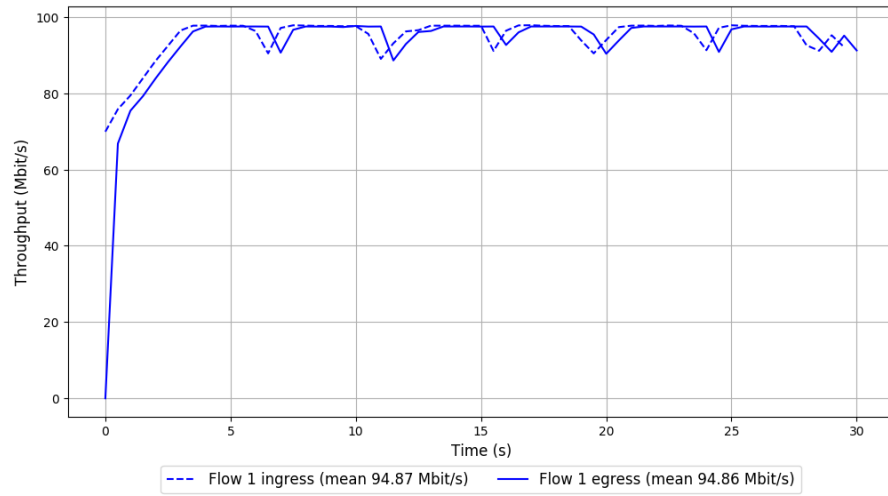


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 02:06:56
End at: 2018-07-18 02:07:26
Local clock offset: 4.351 ms
Remote clock offset: -5.695 ms

Below is generated by plot.py at 2018-07-18 04:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 28.318 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 28.318 ms
Loss rate: 0.09%

Run 3: Report of TCP Cubic — Data Link

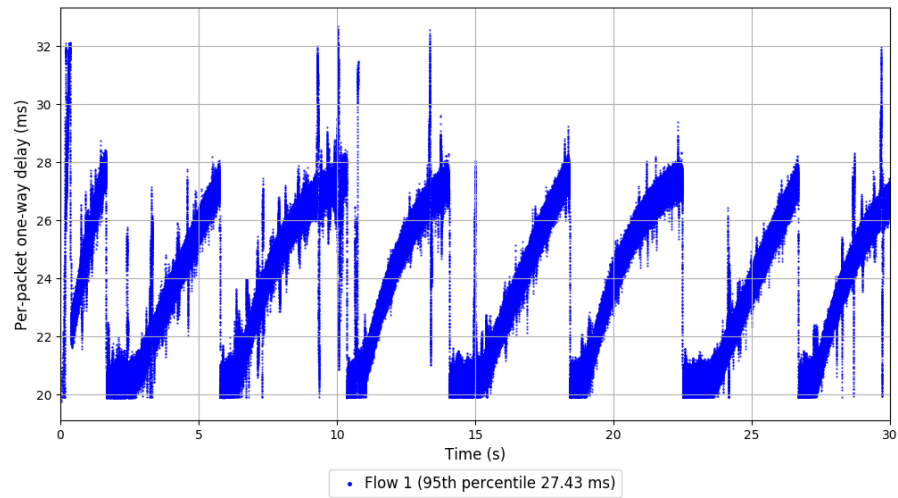
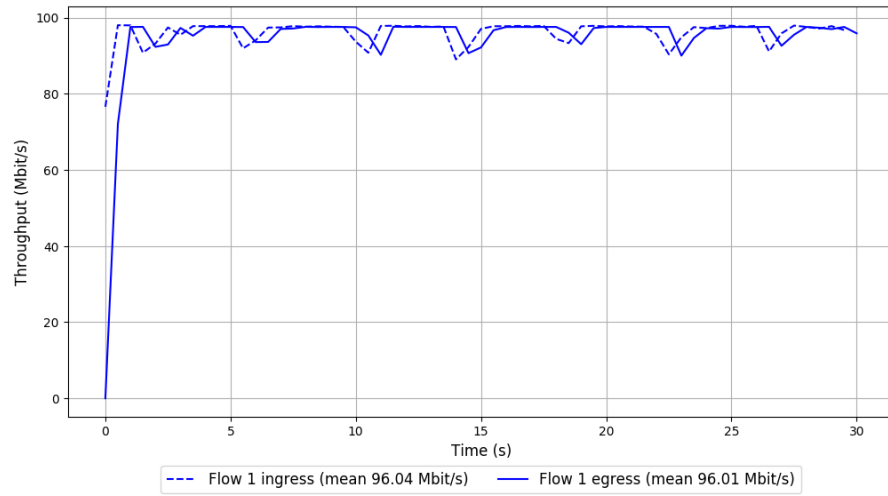


Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 02:27:23
End at: 2018-07-18 02:27:53
Local clock offset: 2.787 ms
Remote clock offset: -4.582 ms

Below is generated by plot.py at 2018-07-18 04:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 27.433 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 27.433 ms
Loss rate: 0.11%

Run 4: Report of TCP Cubic — Data Link

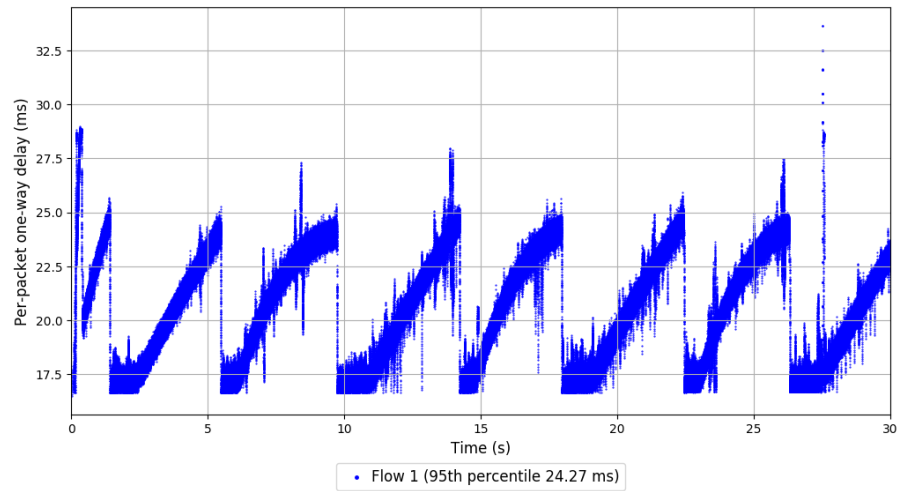
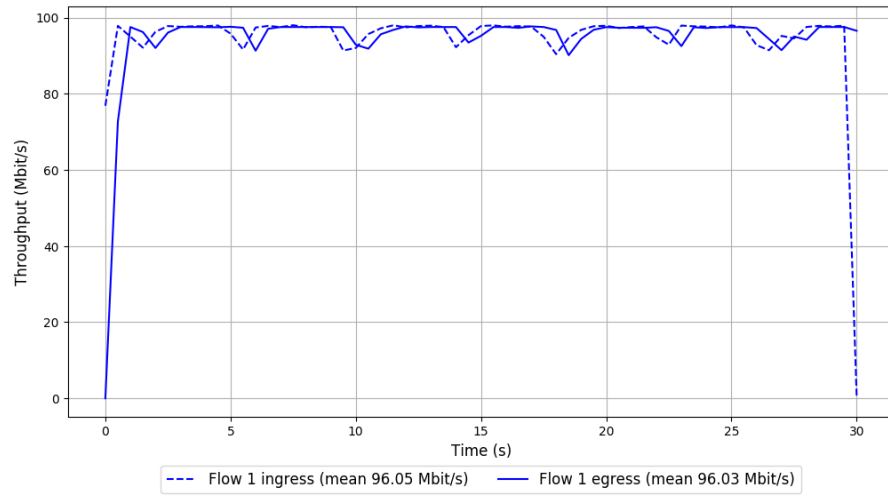


Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 02:48:05
End at: 2018-07-18 02:48:35
Local clock offset: 0.562 ms
Remote clock offset: -2.405 ms

Below is generated by plot.py at 2018-07-18 04:40:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 24.272 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 24.272 ms
Loss rate: 0.11%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 03:08:45

End at: 2018-07-18 03:09:15

Local clock offset: 1.037 ms

Remote clock offset: -7.76 ms

Below is generated by plot.py at 2018-07-18 04:40:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 26.132 ms

Loss rate: 0.10%

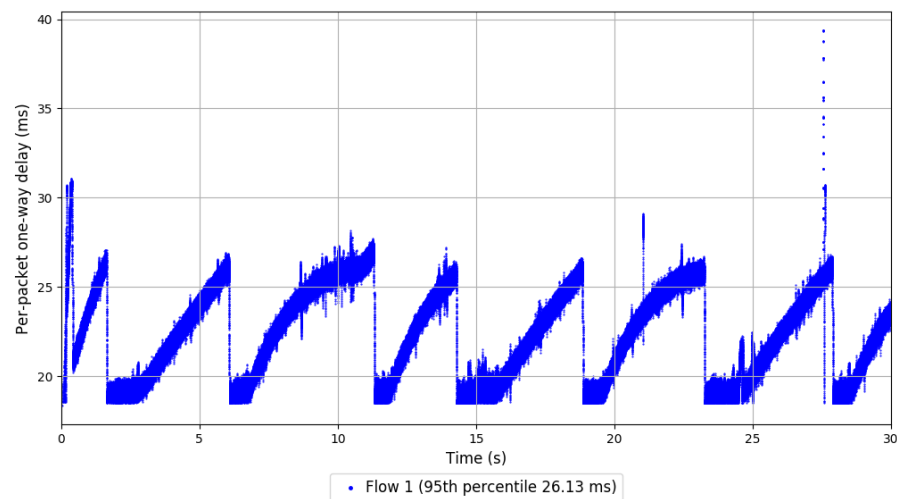
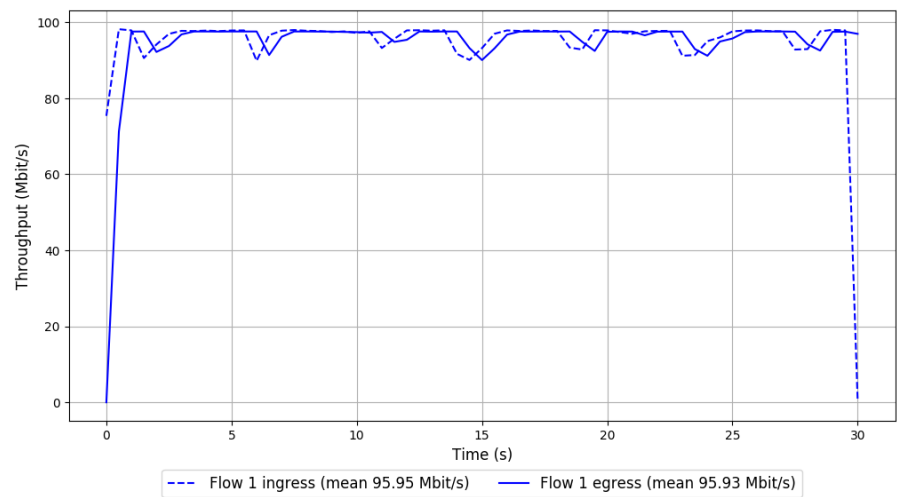
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 26.132 ms

Loss rate: 0.10%

Run 6: Report of TCP Cubic — Data Link

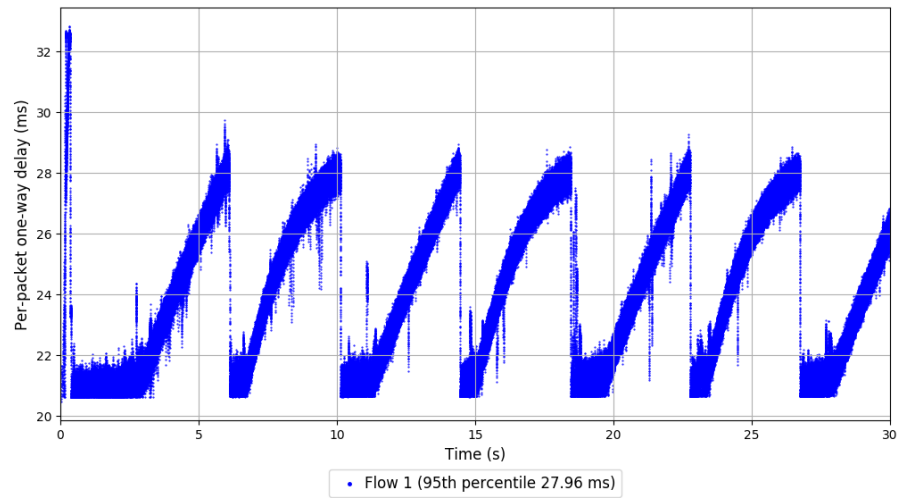
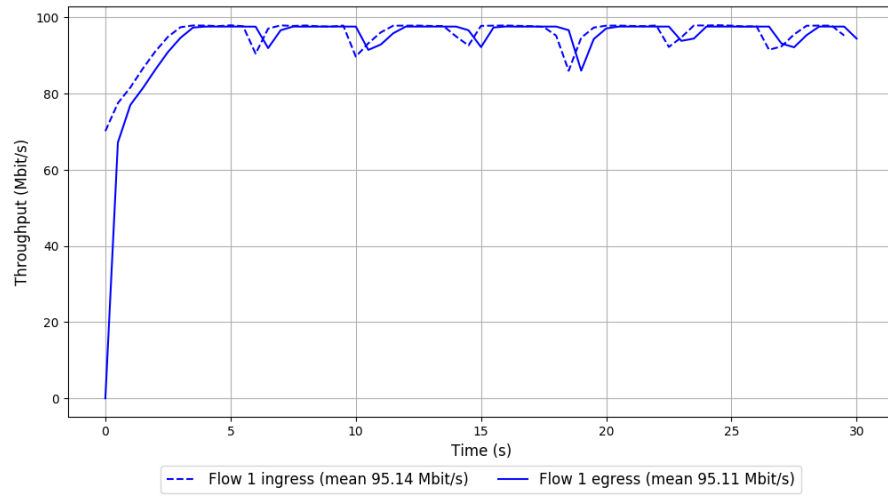


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 03:29:22
End at: 2018-07-18 03:29:52
Local clock offset: 3.538 ms
Remote clock offset: -7.108 ms

Below is generated by plot.py at 2018-07-18 04:40:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 27.958 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 27.958 ms
Loss rate: 0.11%

Run 7: Report of TCP Cubic — Data Link

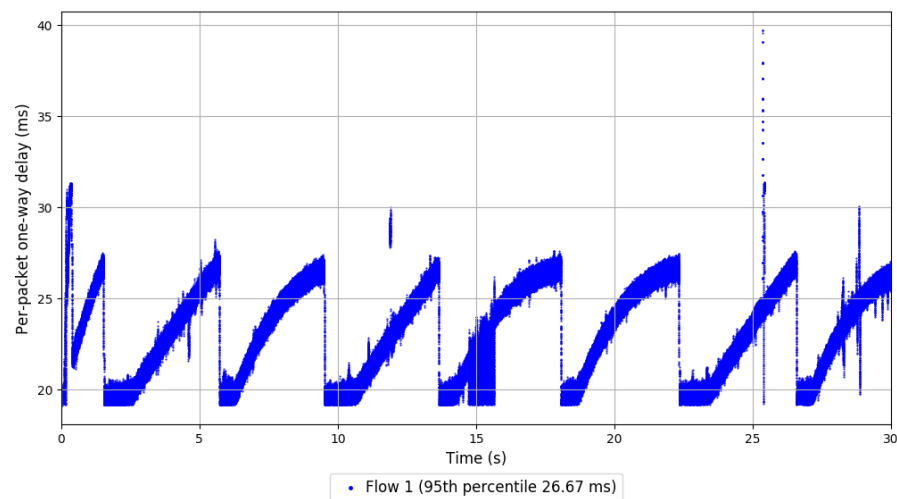
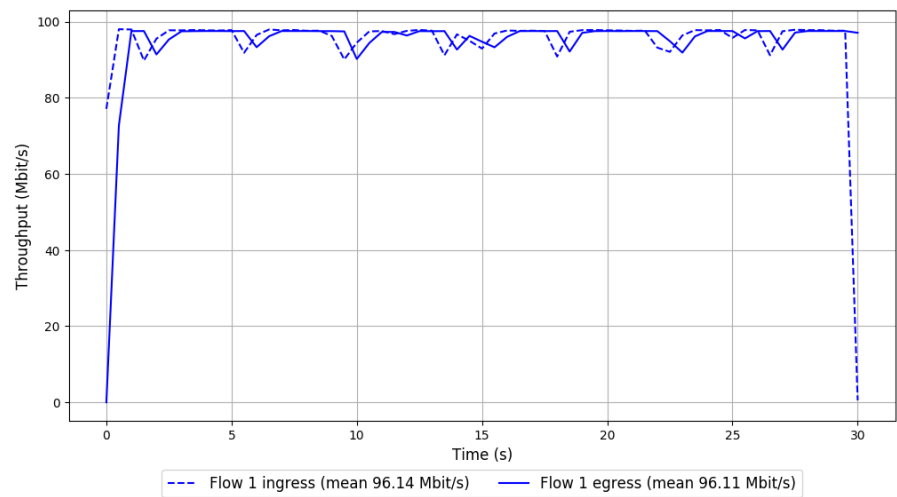


Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 03:49:49
End at: 2018-07-18 03:50:19
Local clock offset: 2.924 ms
Remote clock offset: -6.211 ms

Below is generated by plot.py at 2018-07-18 04:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 26.673 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 26.673 ms
Loss rate: 0.11%

Run 8: Report of TCP Cubic — Data Link

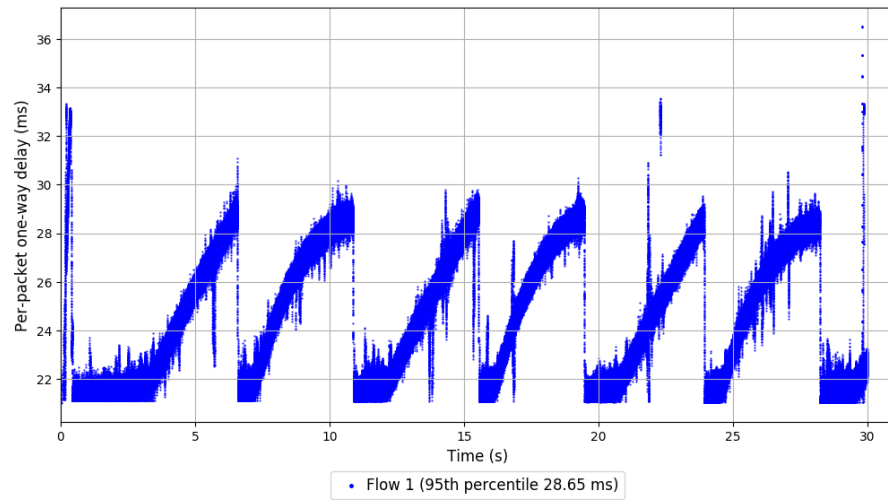
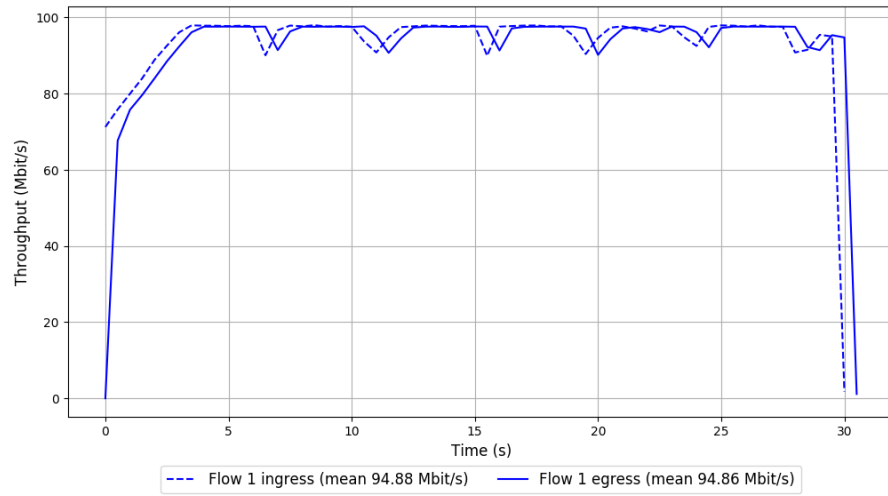


Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 04:10:09
End at: 2018-07-18 04:10:39
Local clock offset: 4.069 ms
Remote clock offset: -11.187 ms

Below is generated by plot.py at 2018-07-18 04:41:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 28.651 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 28.651 ms
Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link

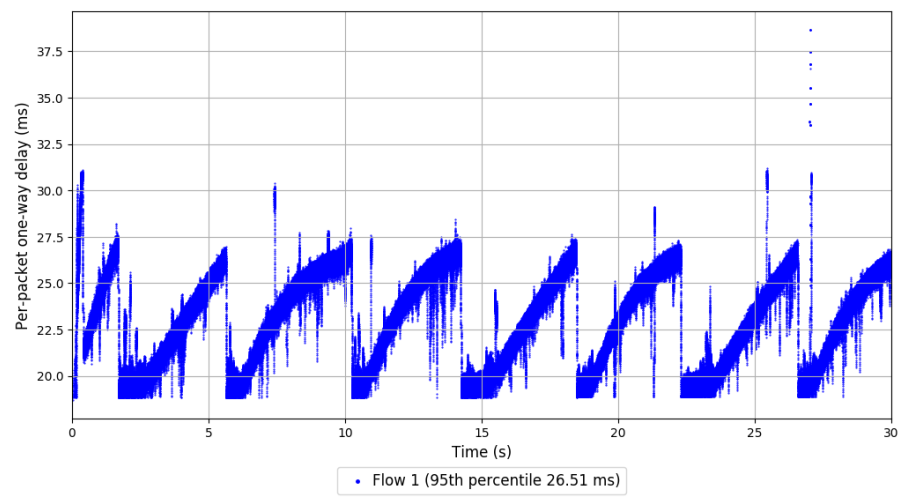
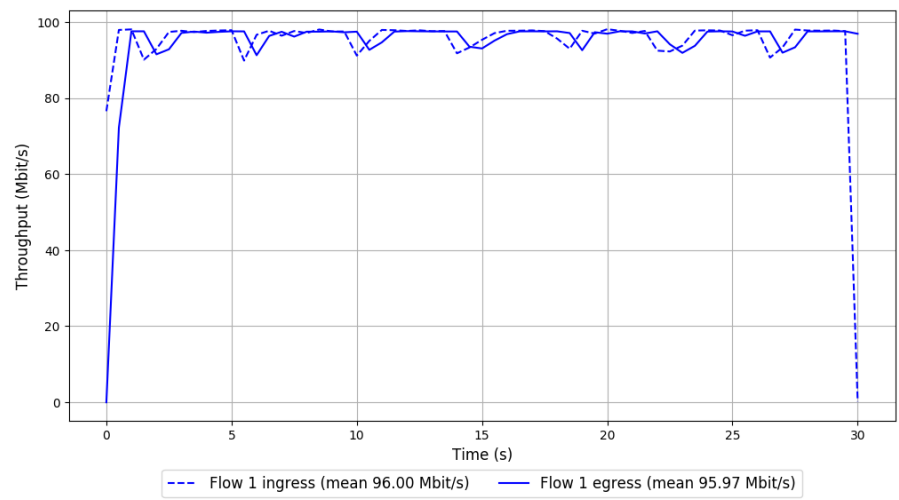


Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 04:30:17
End at: 2018-07-18 04:30:47
Local clock offset: 1.648 ms
Remote clock offset: -12.371 ms

Below is generated by plot.py at 2018-07-18 04:41:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 26.507 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 26.507 ms
Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

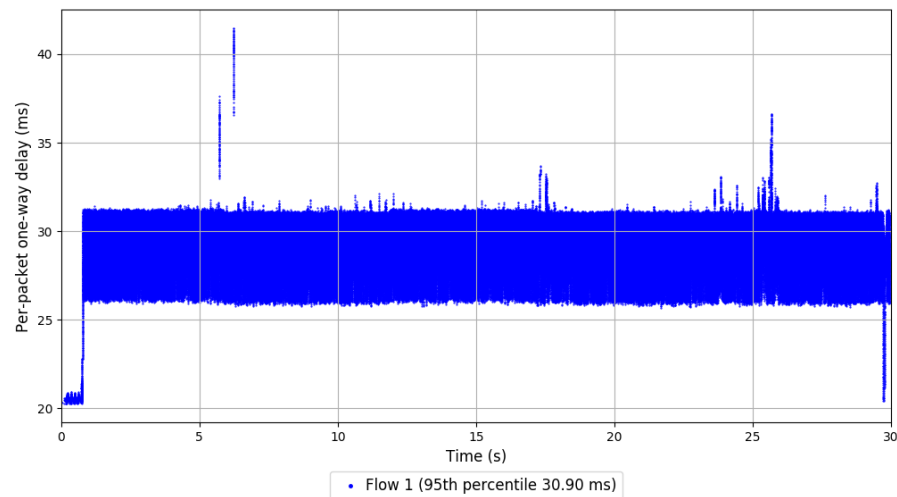
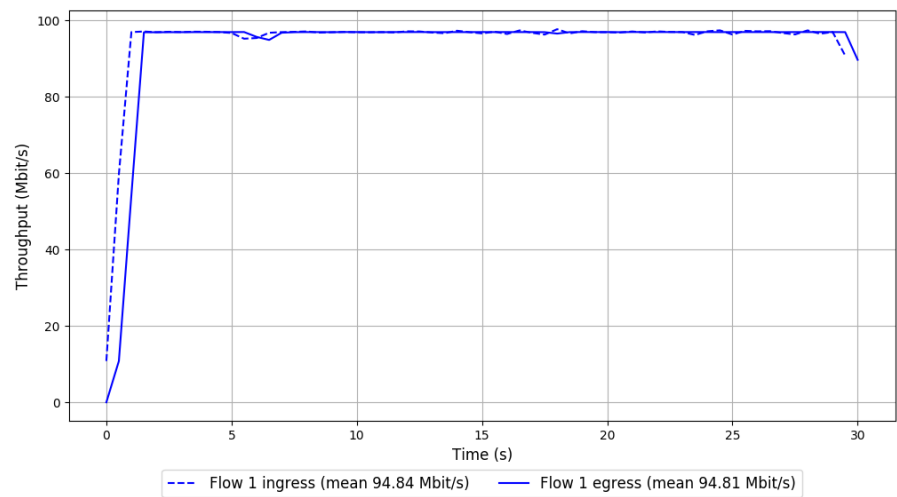


Run 1: Statistics of FillP

Start at: 2018-07-18 01:08:15
End at: 2018-07-18 01:08:45
Local clock offset: 2.76 ms
Remote clock offset: -8.762 ms

Below is generated by plot.py at 2018-07-18 04:41:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 30.901 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 30.901 ms
Loss rate: 0.11%

Run 1: Report of FillP — Data Link

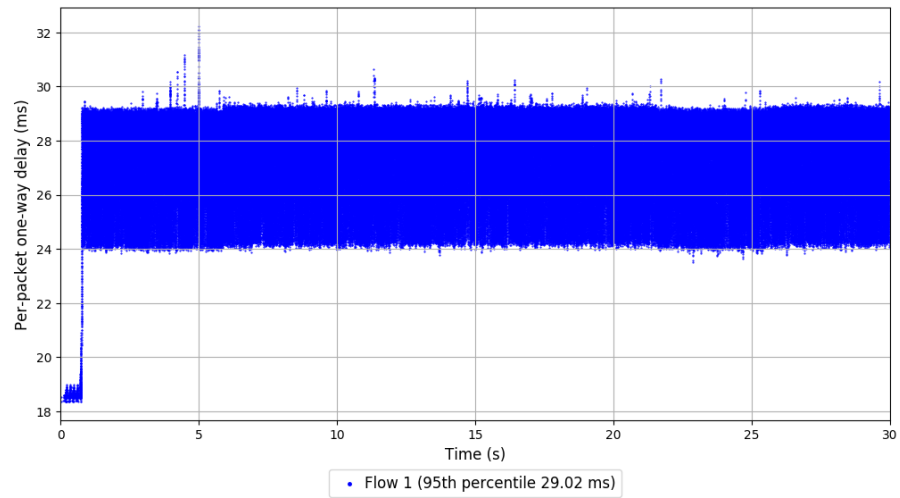
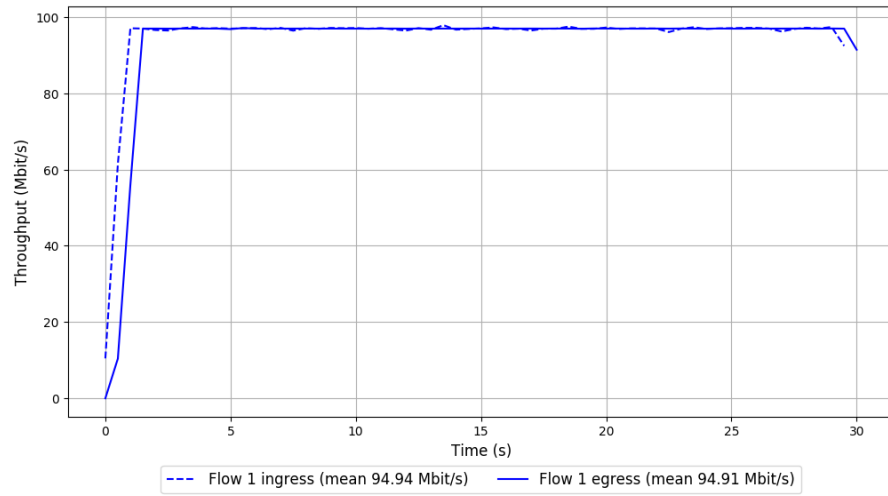


Run 2: Statistics of FillP

Start at: 2018-07-18 01:28:29
End at: 2018-07-18 01:28:59
Local clock offset: 1.681 ms
Remote clock offset: -8.171 ms

Below is generated by plot.py at 2018-07-18 04:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 29.015 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 29.015 ms
Loss rate: 0.11%

Run 2: Report of FillP — Data Link

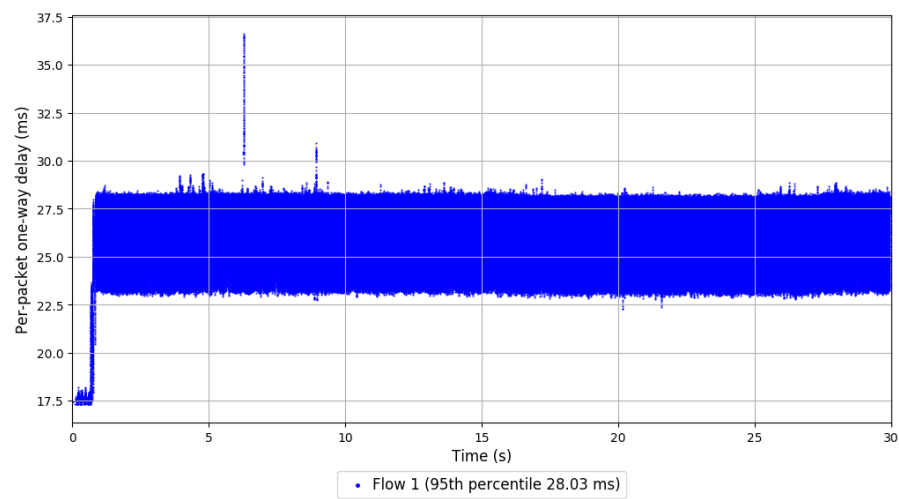
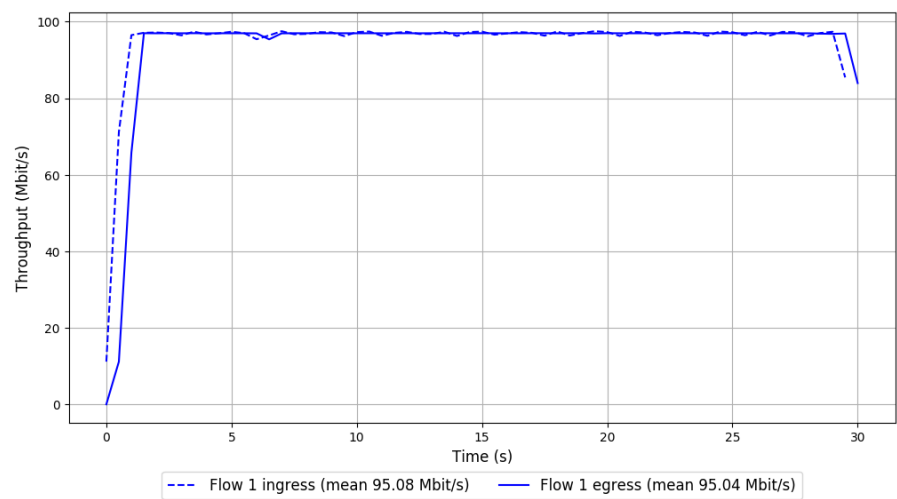


Run 3: Statistics of FillP

Start at: 2018-07-18 01:48:53
End at: 2018-07-18 01:49:23
Local clock offset: 0.913 ms
Remote clock offset: -7.084 ms

Below is generated by plot.py at 2018-07-18 04:42:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 28.028 ms
Loss rate: 0.12%

Run 3: Report of FillP — Data Link

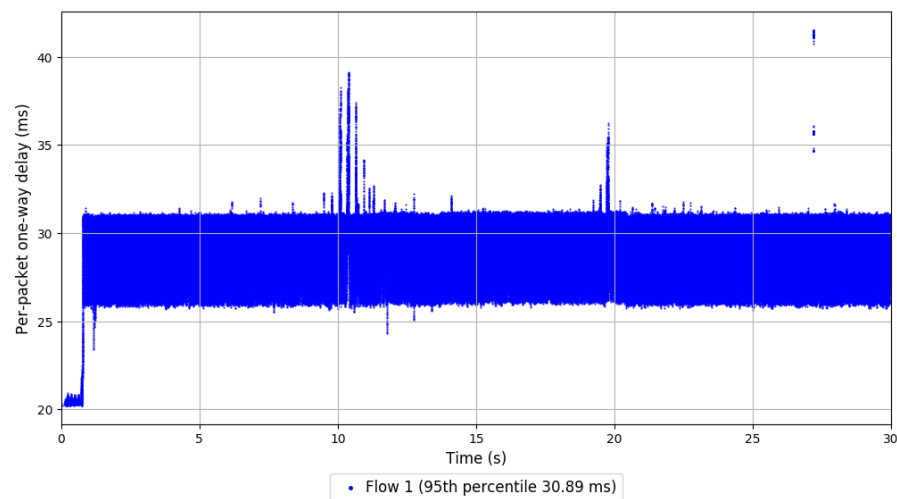
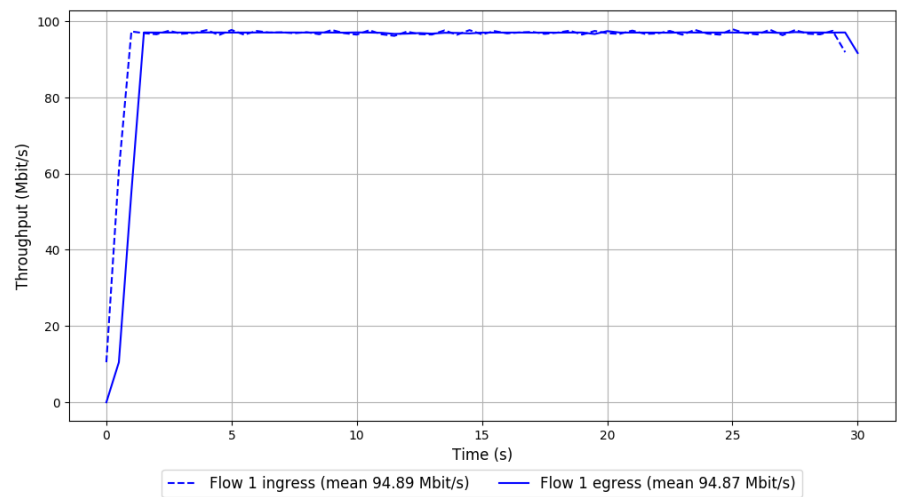


Run 4: Statistics of FillP

Start at: 2018-07-18 02:09:20
End at: 2018-07-18 02:09:50
Local clock offset: 3.597 ms
Remote clock offset: -5.794 ms

Below is generated by plot.py at 2018-07-18 04:42:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 0.10%

Run 4: Report of FillP — Data Link

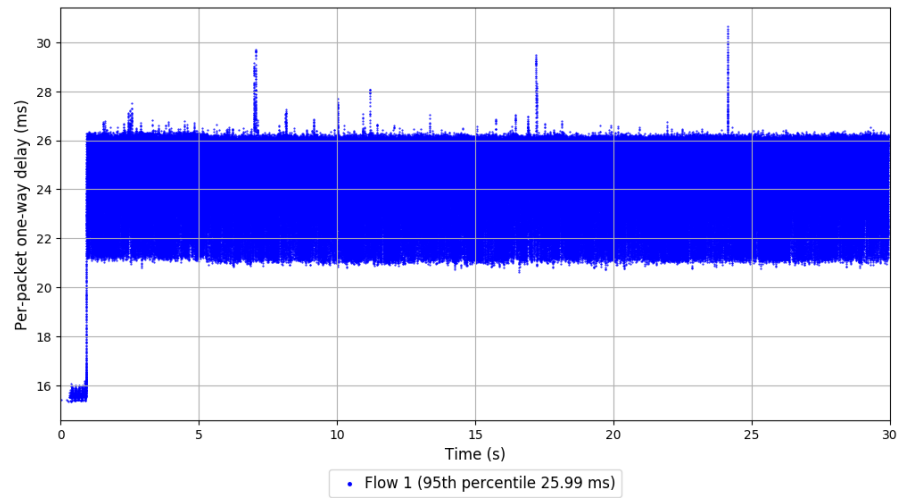
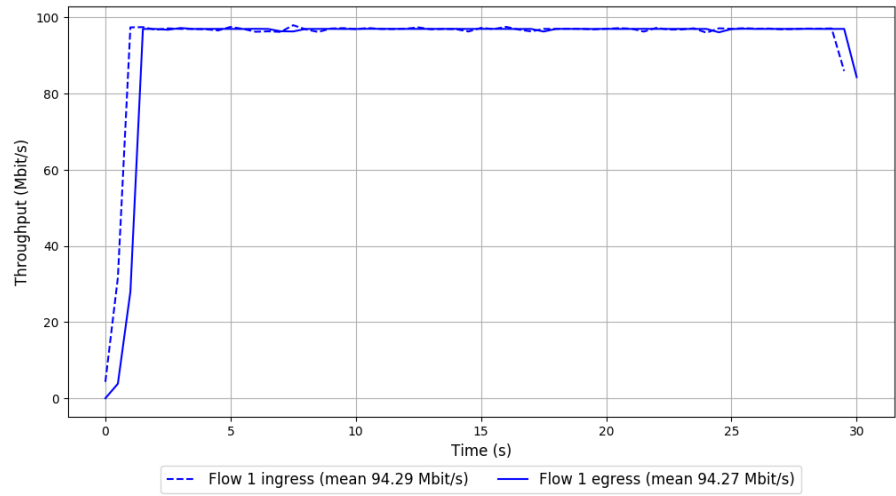


Run 5: Statistics of FillP

Start at: 2018-07-18 02:29:51
End at: 2018-07-18 02:30:21
Local clock offset: -1.165 ms
Remote clock offset: -4.022 ms

Below is generated by plot.py at 2018-07-18 04:42:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 25.988 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 25.988 ms
Loss rate: 0.12%

Run 5: Report of FillP — Data Link

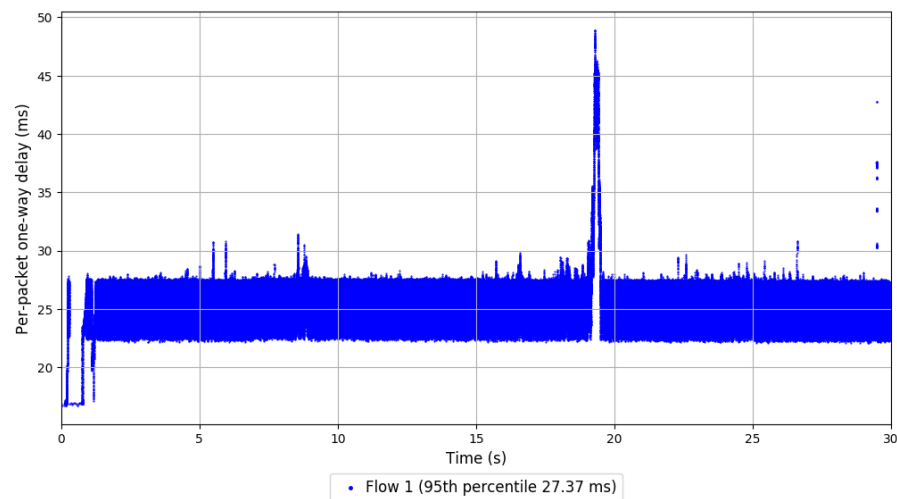
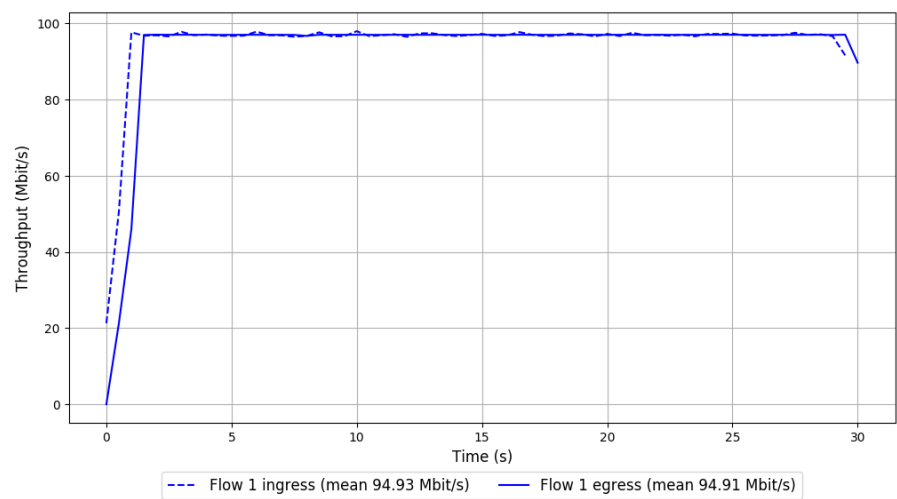


Run 6: Statistics of FillP

Start at: 2018-07-18 02:50:37
End at: 2018-07-18 02:51:07
Local clock offset: 0.45 ms
Remote clock offset: -3.547 ms

Below is generated by plot.py at 2018-07-18 04:42:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 27.368 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 27.368 ms
Loss rate: 0.12%

Run 6: Report of FillP — Data Link

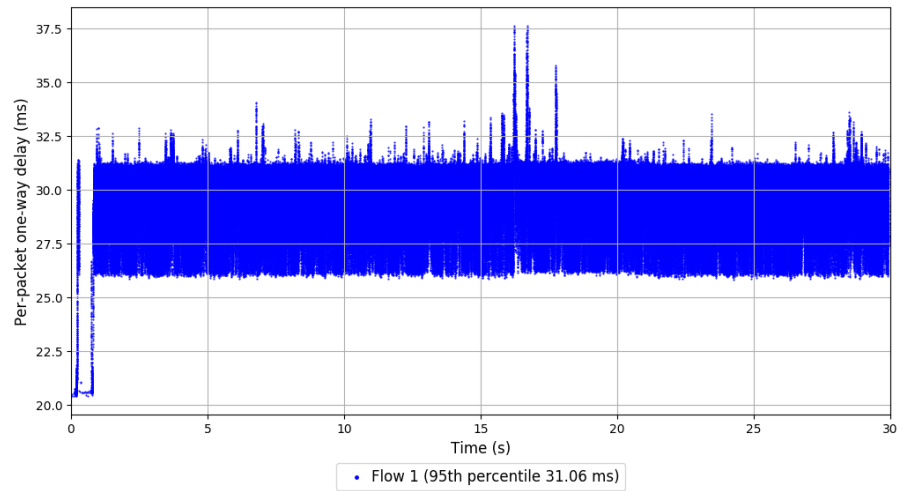
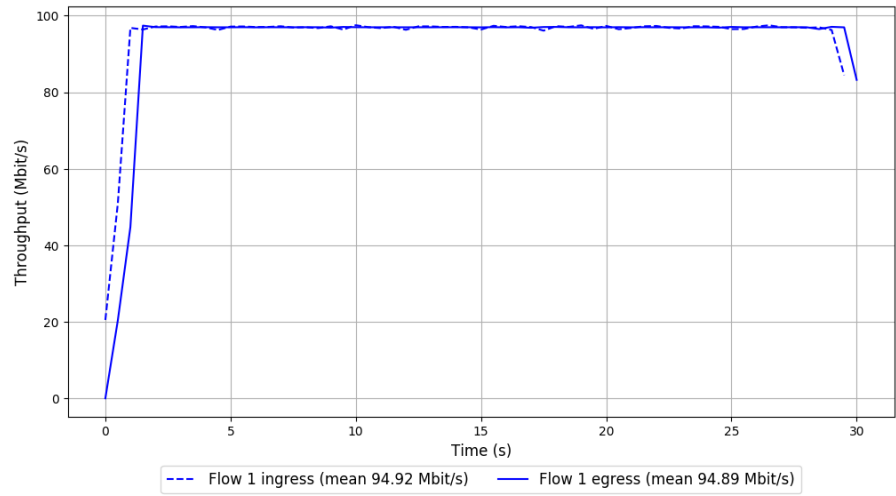


Run 7: Statistics of FillP

Start at: 2018-07-18 03:11:24
End at: 2018-07-18 03:11:54
Local clock offset: 3.288 ms
Remote clock offset: -7.646 ms

Below is generated by plot.py at 2018-07-18 04:42:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 0.12%

Run 7: Report of FillP — Data Link

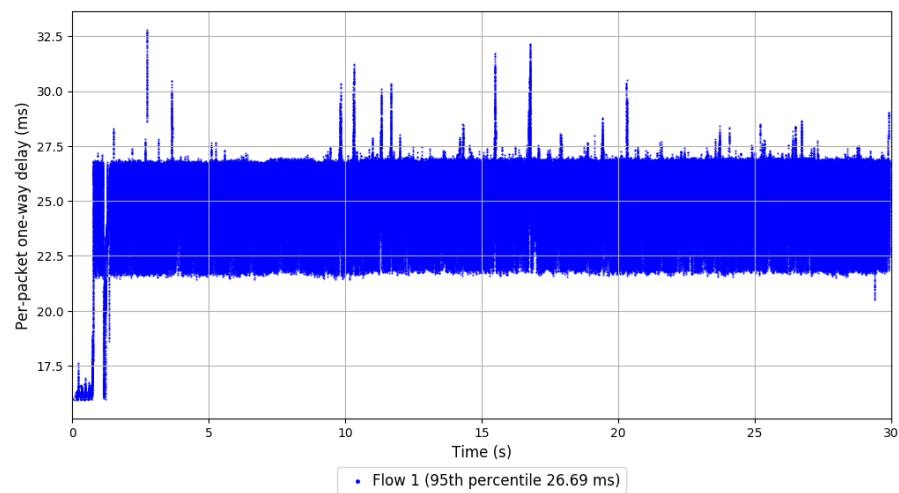
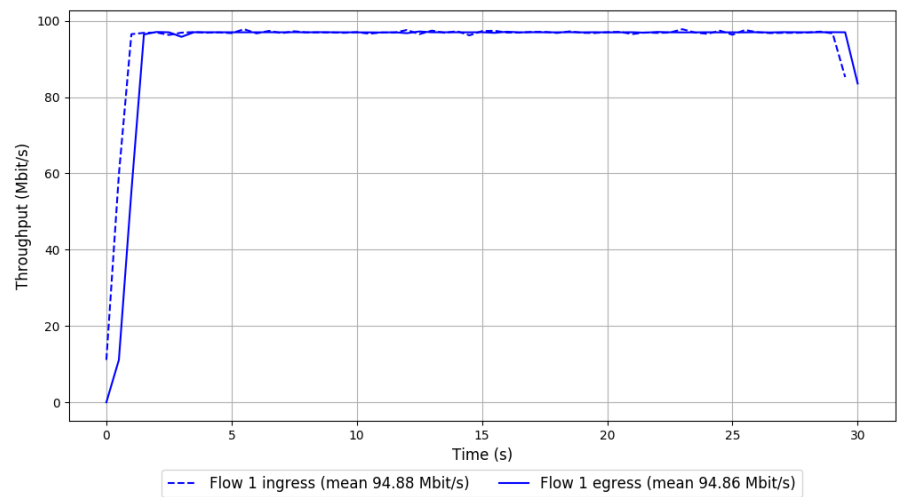


Run 8: Statistics of FillP

Start at: 2018-07-18 03:31:50
End at: 2018-07-18 03:32:20
Local clock offset: -0.978 ms
Remote clock offset: -7.014 ms

Below is generated by plot.py at 2018-07-18 04:42:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 26.694 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 26.694 ms
Loss rate: 0.11%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-18 03:52:16

End at: 2018-07-18 03:52:46

Local clock offset: 0.757 ms

Remote clock offset: -5.39 ms

Below is generated by plot.py at 2018-07-18 04:43:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 26.777 ms

Loss rate: 0.12%

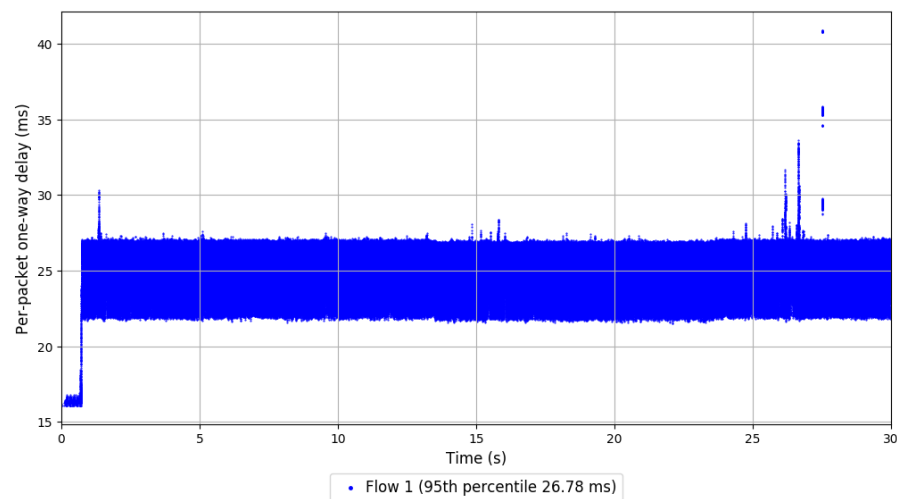
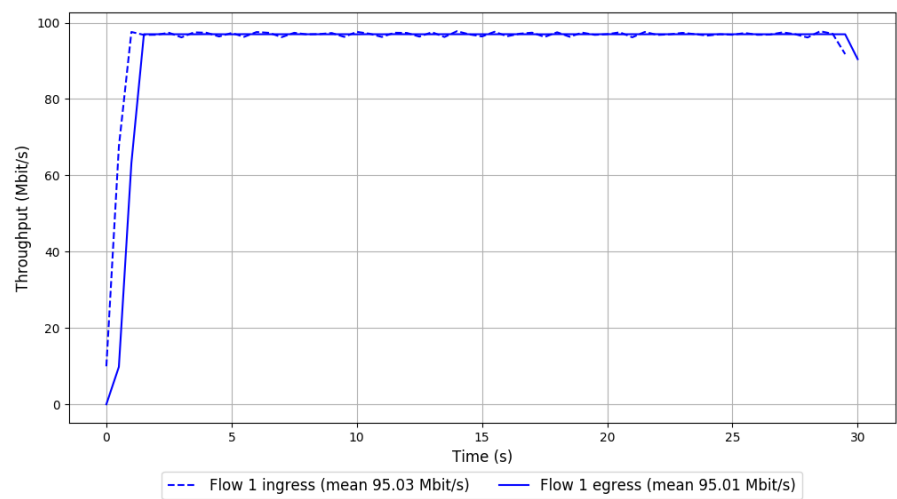
-- Flow 1:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 26.777 ms

Loss rate: 0.12%

Run 9: Report of FillP — Data Link

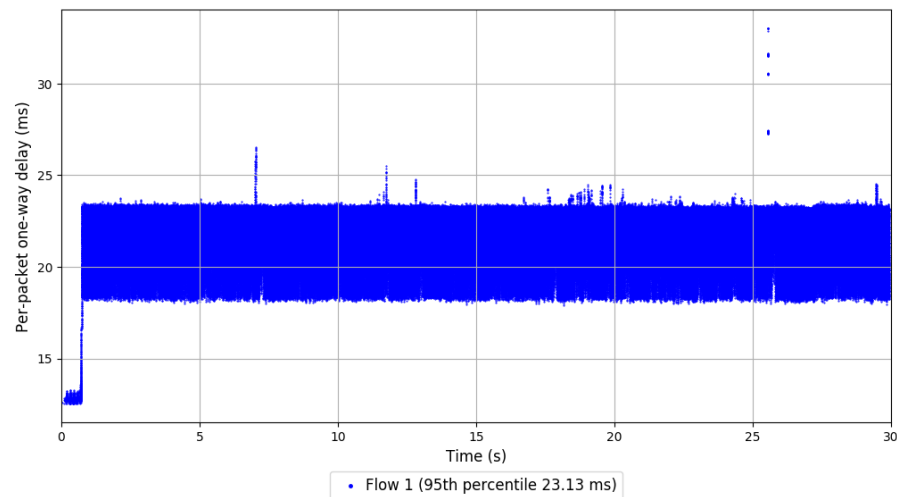
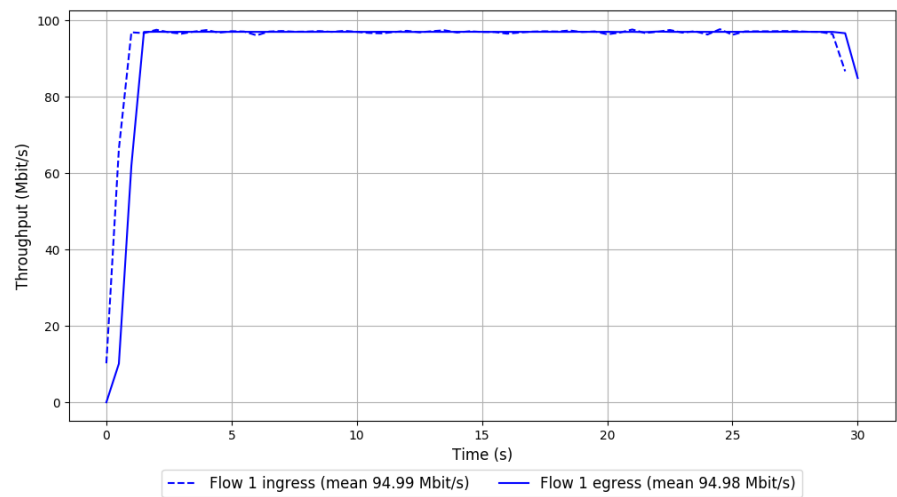


Run 10: Statistics of FillP

Start at: 2018-07-18 04:12:42
End at: 2018-07-18 04:13:12
Local clock offset: -2.215 ms
Remote clock offset: -9.522 ms

Below is generated by plot.py at 2018-07-18 04:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 23.129 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 23.129 ms
Loss rate: 0.11%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 01:24:53

End at: 2018-07-18 01:25:23

Local clock offset: 2.475 ms

Remote clock offset: -7.955 ms

Below is generated by plot.py at 2018-07-18 04:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 29.600 ms

Loss rate: 0.10%

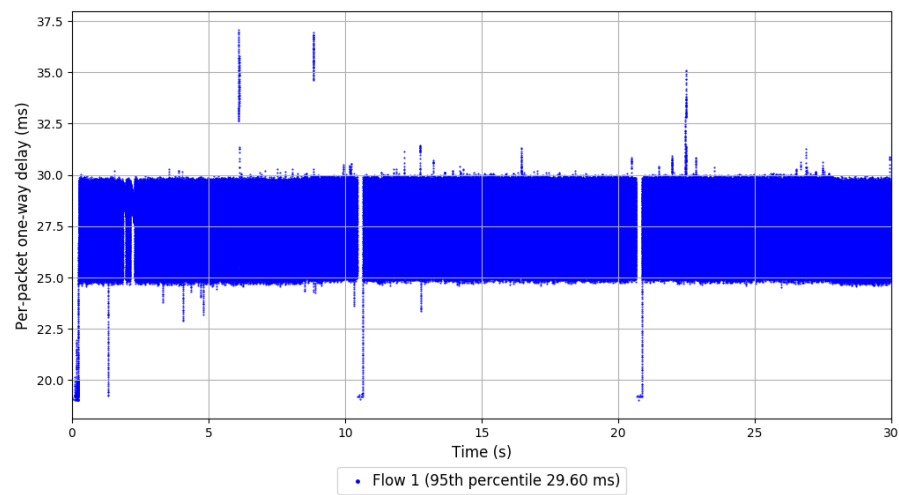
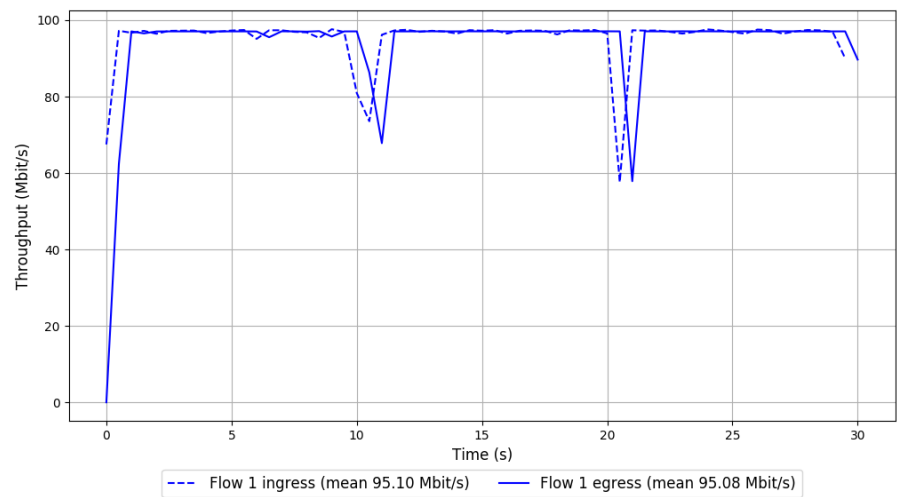
-- Flow 1:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 29.600 ms

Loss rate: 0.10%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 01:45:14

End at: 2018-07-18 01:45:44

Local clock offset: 0.871 ms

Remote clock offset: -7.26 ms

Below is generated by plot.py at 2018-07-18 04:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 27.729 ms

Loss rate: 0.11%

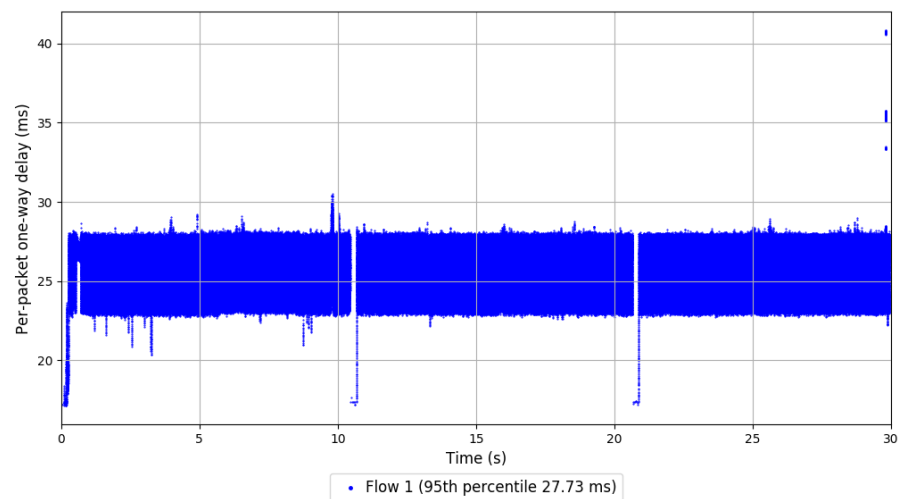
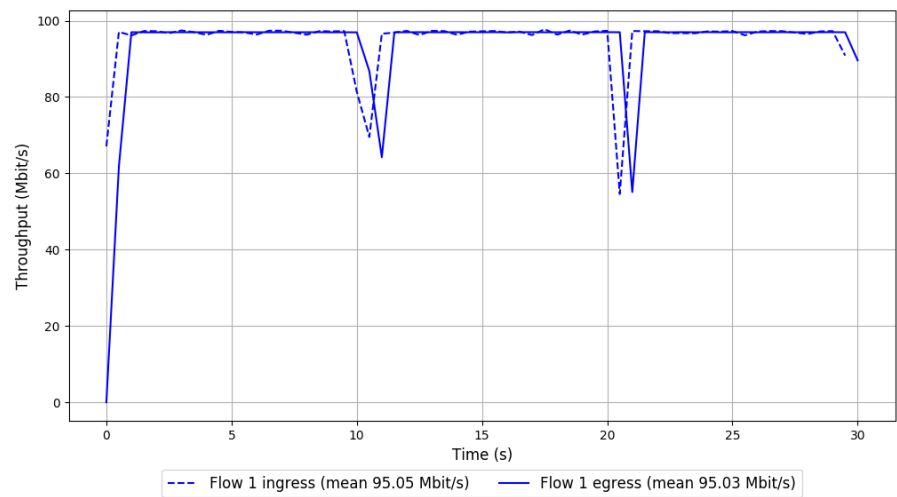
-- Flow 1:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 27.729 ms

Loss rate: 0.11%

Run 2: Report of FillP-Sheep — Data Link

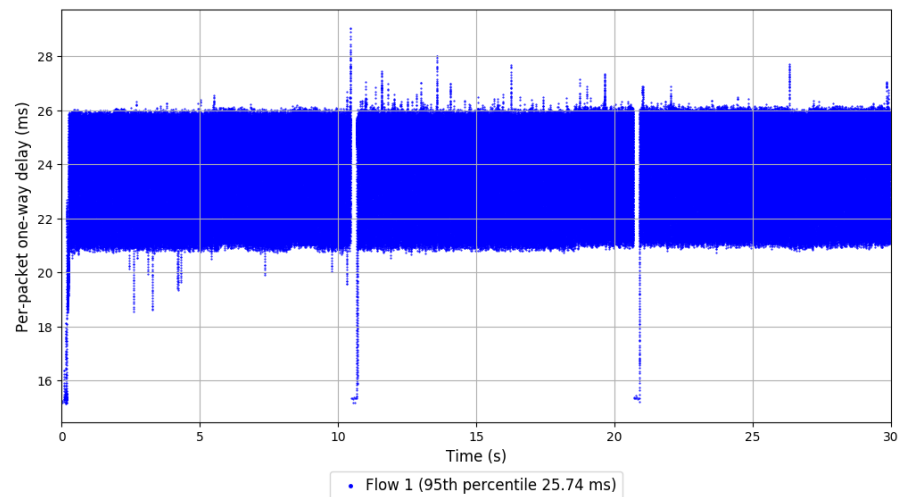
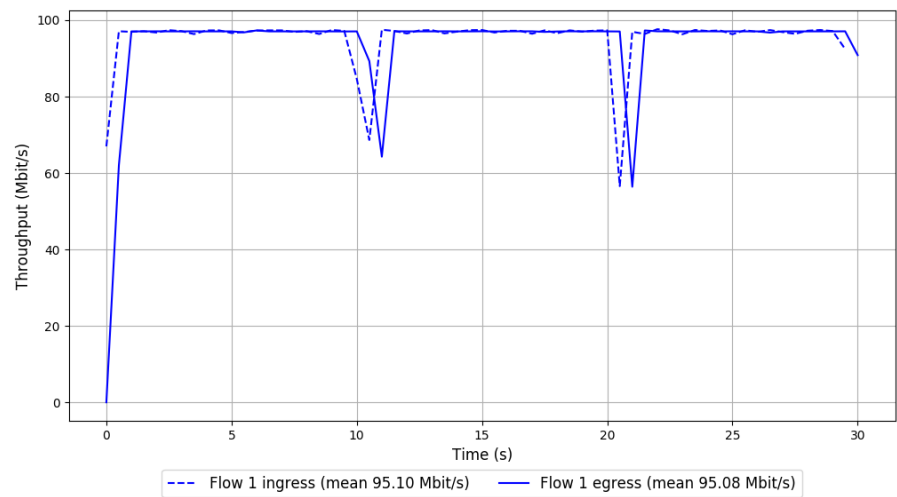


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 02:05:47
End at: 2018-07-18 02:06:17
Local clock offset: -0.084 ms
Remote clock offset: -4.633 ms

Below is generated by plot.py at 2018-07-18 04:43:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 25.737 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 25.737 ms
Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 02:26:12

End at: 2018-07-18 02:26:42

Local clock offset: 3.145 ms

Remote clock offset: -4.278 ms

Below is generated by plot.py at 2018-07-18 04:43:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 30.286 ms

Loss rate: 0.11%

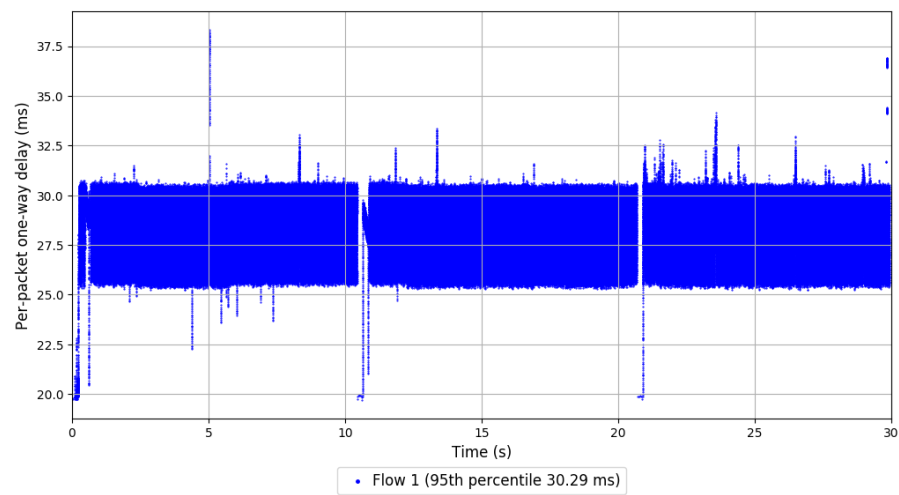
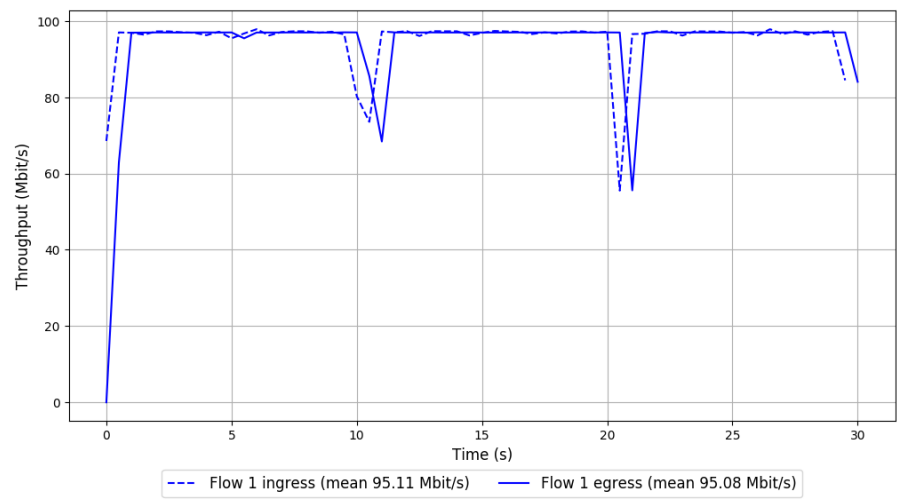
-- Flow 1:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 30.286 ms

Loss rate: 0.11%

Run 4: Report of FillP-Sheep — Data Link

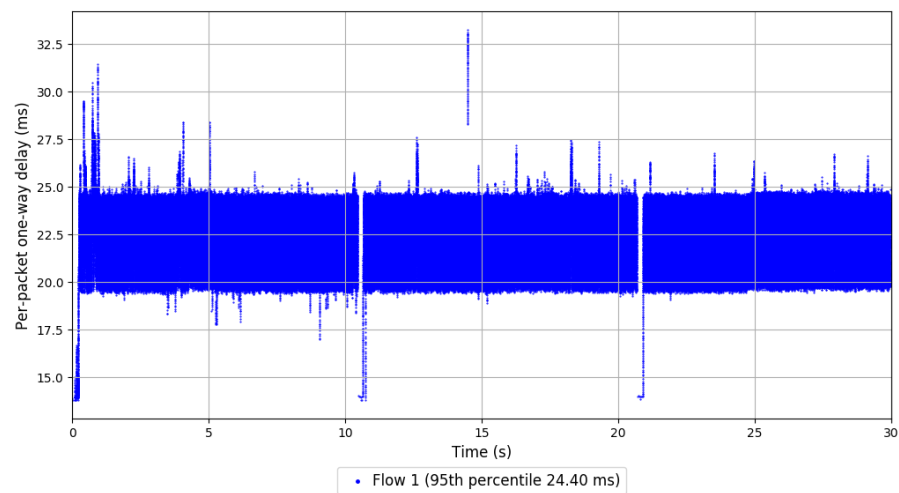
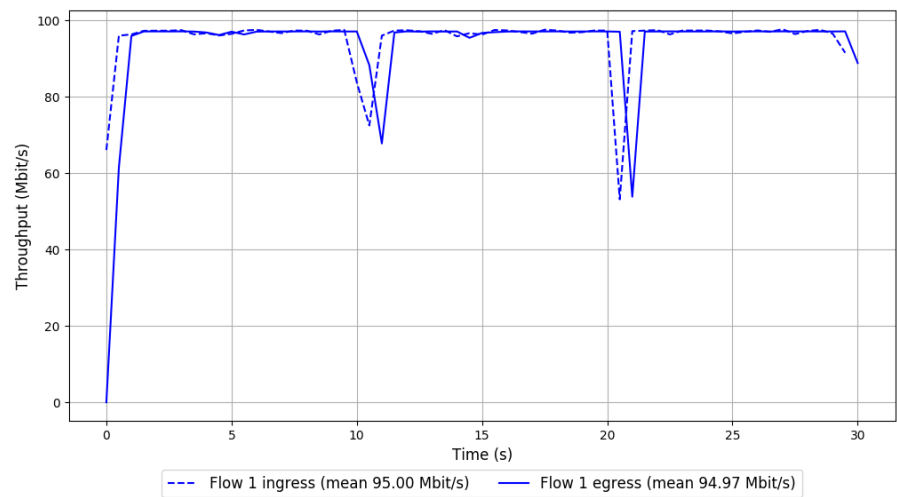


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 02:46:55
End at: 2018-07-18 02:47:25
Local clock offset: -2.177 ms
Remote clock offset: -2.493 ms

Below is generated by plot.py at 2018-07-18 04:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 24.399 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 24.399 ms
Loss rate: 0.12%

Run 5: Report of FillP-Sheep — Data Link

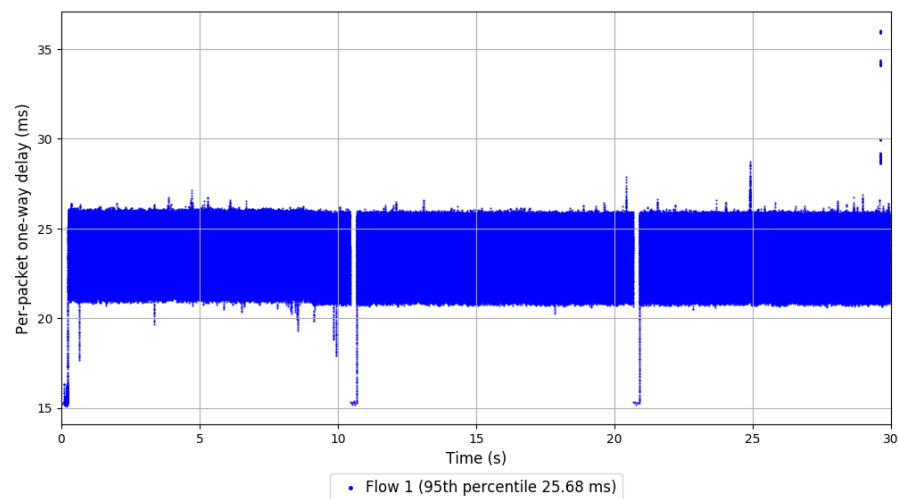
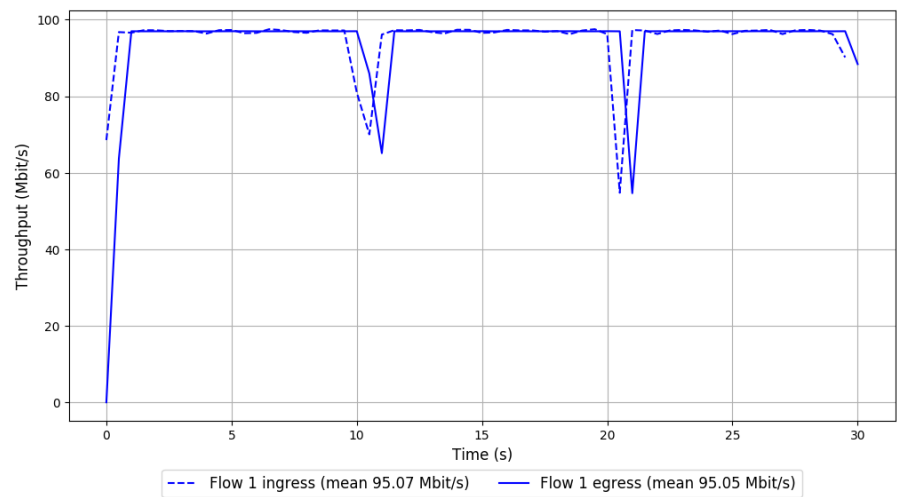


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 03:07:36
End at: 2018-07-18 03:08:06
Local clock offset: -2.317 ms
Remote clock offset: -7.818 ms

Below is generated by plot.py at 2018-07-18 04:43:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 25.681 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 25.681 ms
Loss rate: 0.10%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 03:28:12

End at: 2018-07-18 03:28:42

Local clock offset: 1.9 ms

Remote clock offset: -7.267 ms

Below is generated by plot.py at 2018-07-18 04:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 29.479 ms

Loss rate: 0.10%

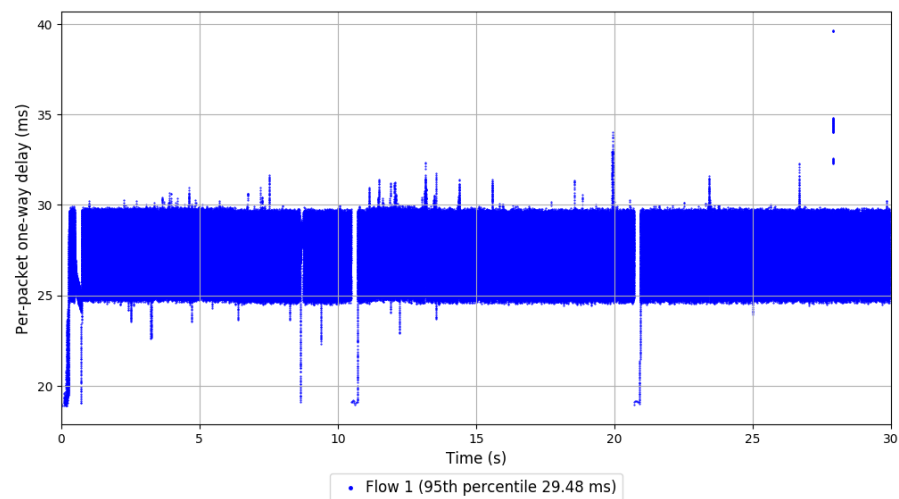
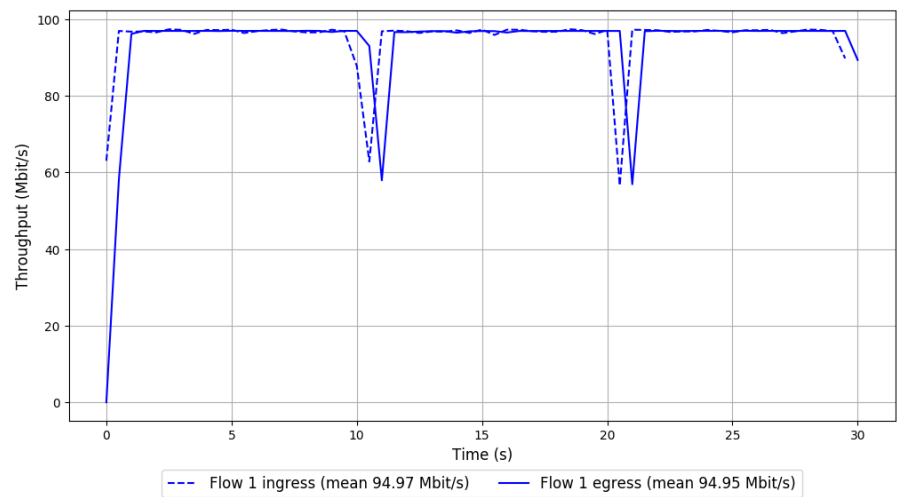
-- Flow 1:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 29.479 ms

Loss rate: 0.10%

Run 7: Report of FillP-Sheep — Data Link

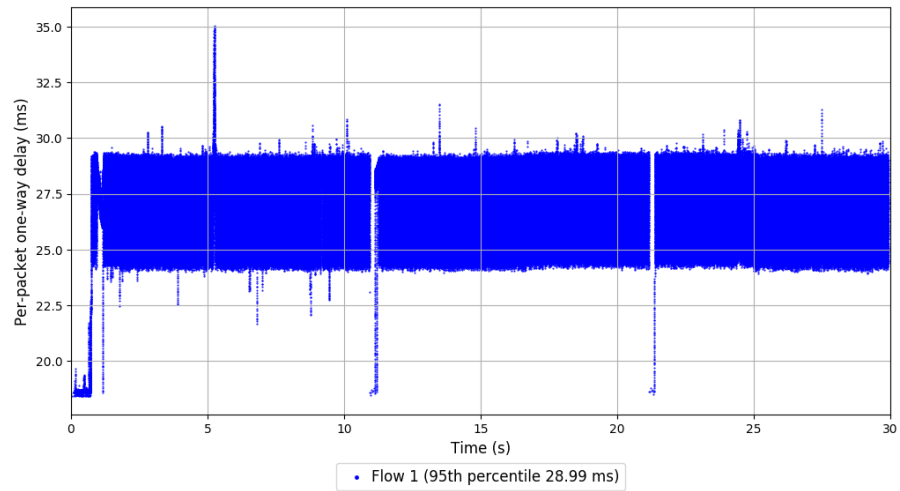
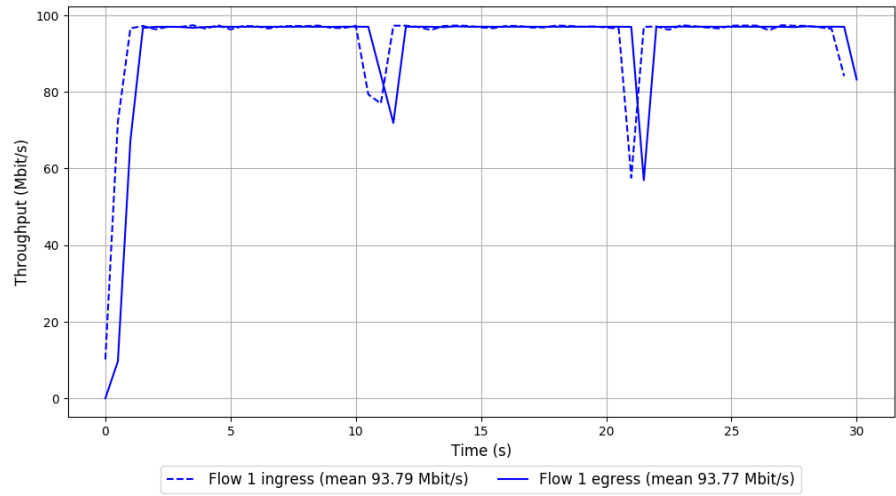


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 03:48:38
End at: 2018-07-18 03:49:08
Local clock offset: 1.88 ms
Remote clock offset: -6.277 ms

Below is generated by plot.py at 2018-07-18 04:44:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 28.994 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 28.994 ms
Loss rate: 0.11%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 04:08:59

End at: 2018-07-18 04:09:29

Local clock offset: -0.995 ms

Remote clock offset: -11.637 ms

Below is generated by plot.py at 2018-07-18 04:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 27.129 ms

Loss rate: 0.11%

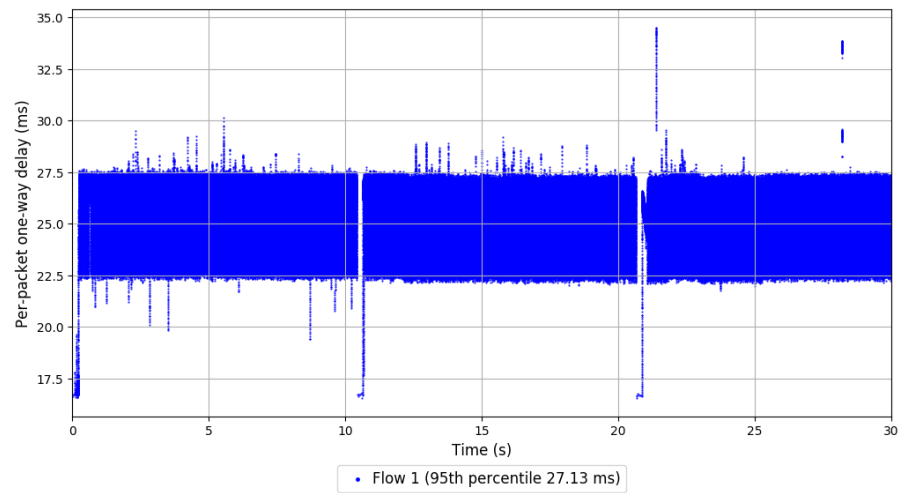
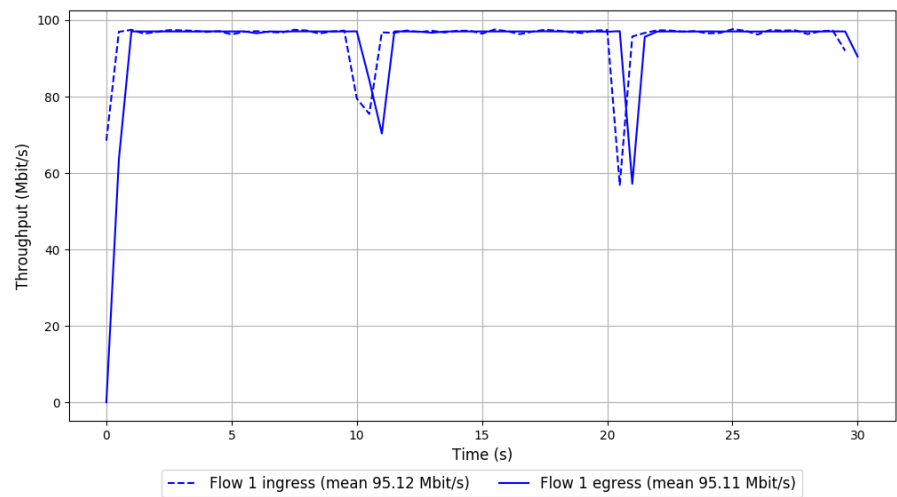
-- Flow 1:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 27.129 ms

Loss rate: 0.11%

Run 9: Report of FillP-Sheep — Data Link

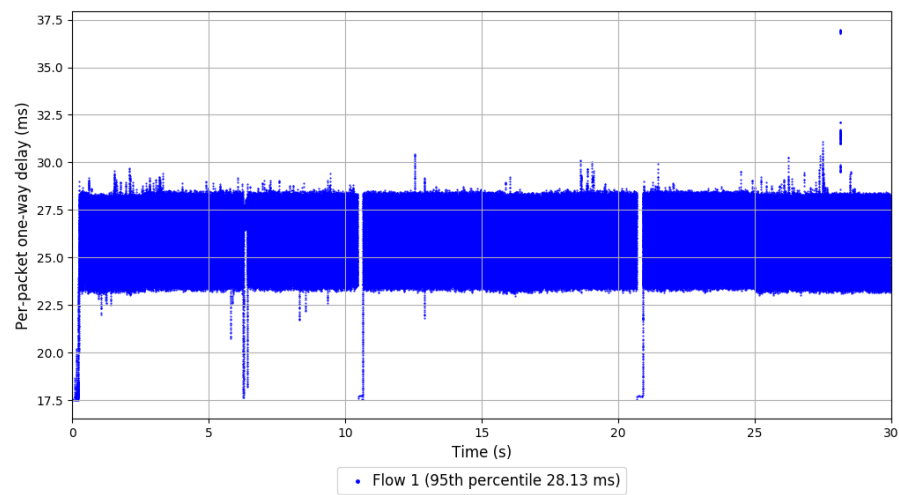
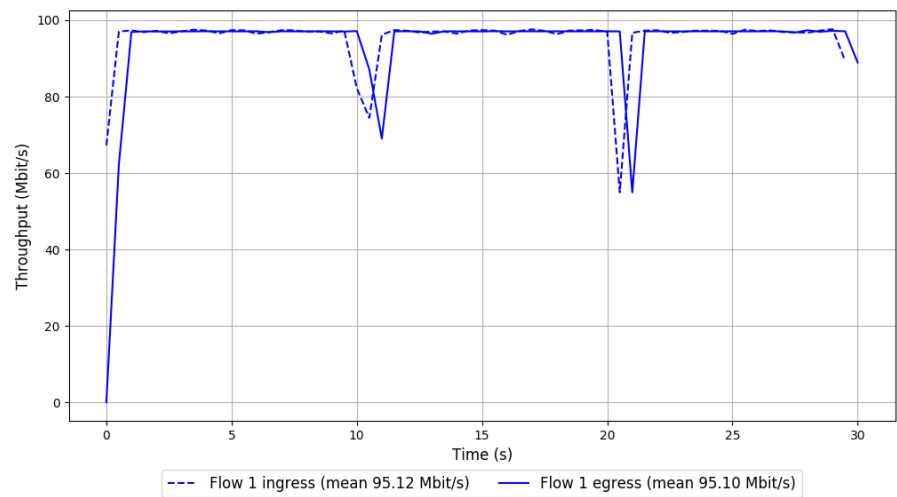


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 04:29:04
End at: 2018-07-18 04:29:34
Local clock offset: 0.445 ms
Remote clock offset: -12.535 ms

Below is generated by plot.py at 2018-07-18 04:45:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 28.131 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 28.131 ms
Loss rate: 0.10%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-18 01:22:36

End at: 2018-07-18 01:23:06

Local clock offset: 2.265 ms

Remote clock offset: -8.174 ms

Below is generated by plot.py at 2018-07-18 04:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 22.258 ms

Loss rate: 0.09%

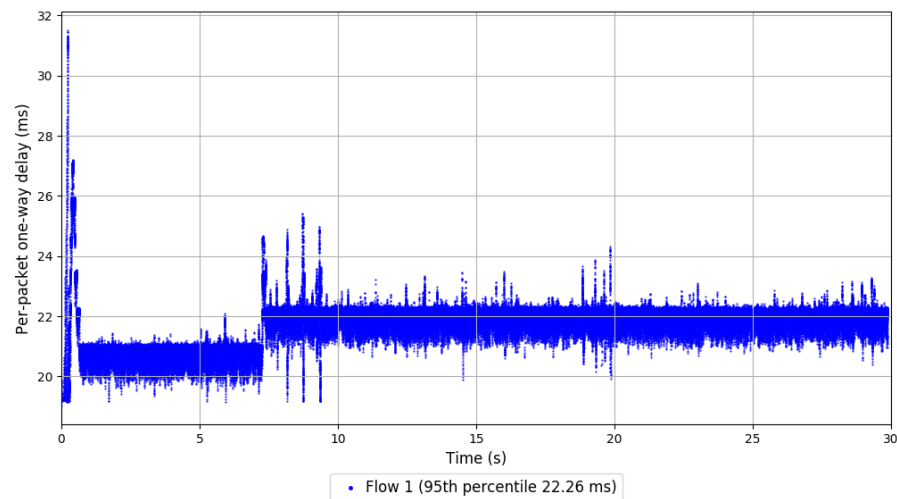
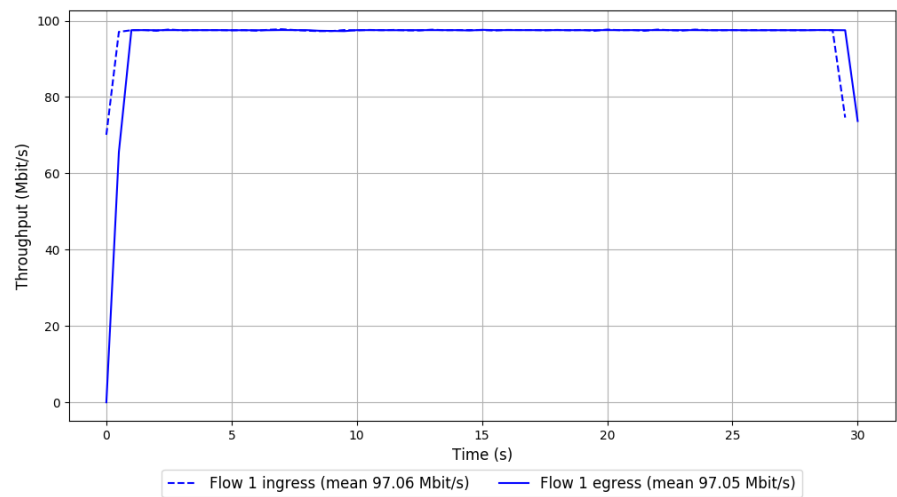
-- Flow 1:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 22.258 ms

Loss rate: 0.09%

Run 1: Report of Indigo — Data Link

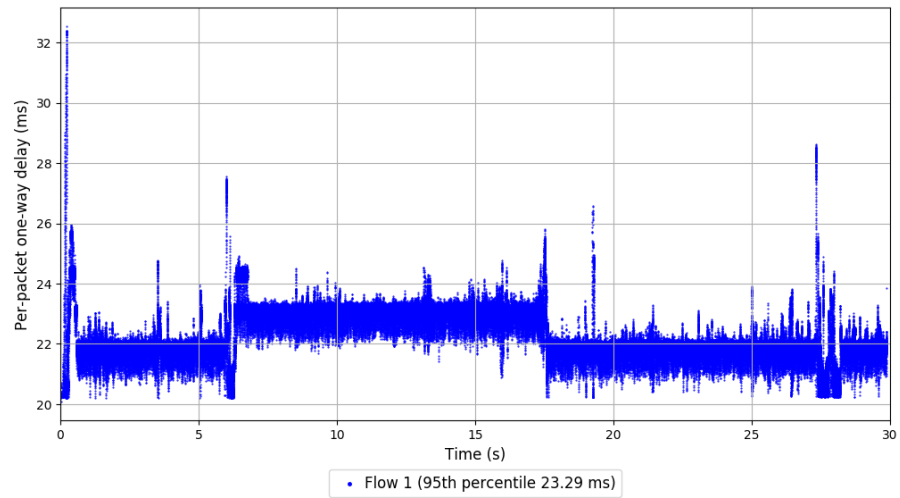
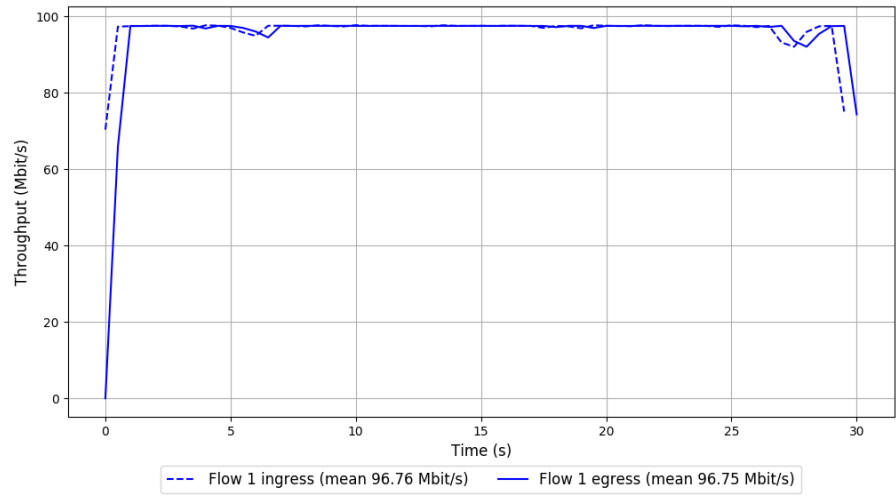


Run 2: Statistics of Indigo

Start at: 2018-07-18 01:42:45
End at: 2018-07-18 01:43:15
Local clock offset: 2.445 ms
Remote clock offset: -8.796 ms

Below is generated by plot.py at 2018-07-18 04:45:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 23.285 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 23.285 ms
Loss rate: 0.09%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-18 02:03:25

End at: 2018-07-18 02:03:55

Local clock offset: 0.9 ms

Remote clock offset: -5.46 ms

Below is generated by plot.py at 2018-07-18 04:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 19.930 ms

Loss rate: 0.07%

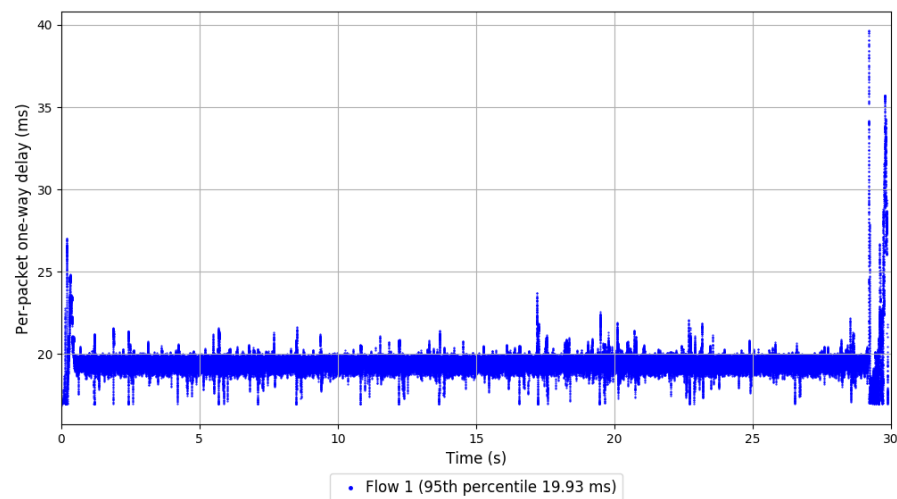
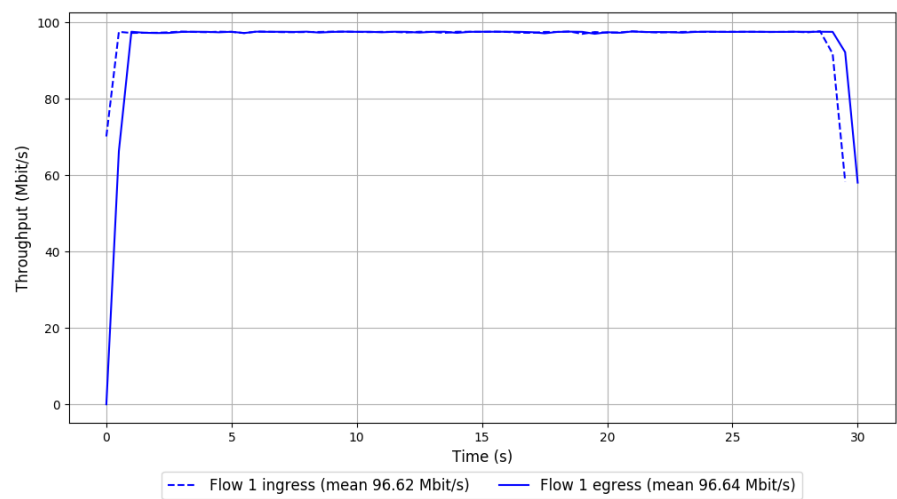
-- Flow 1:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 19.930 ms

Loss rate: 0.07%

Run 3: Report of Indigo — Data Link

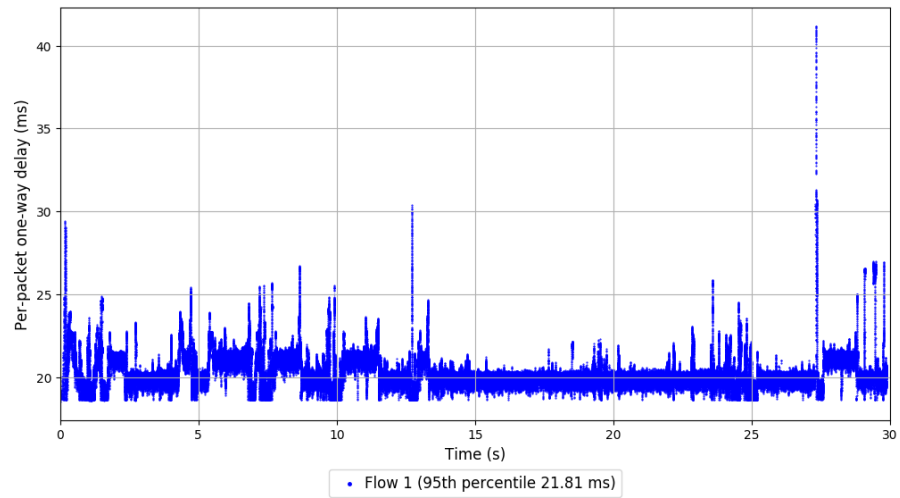
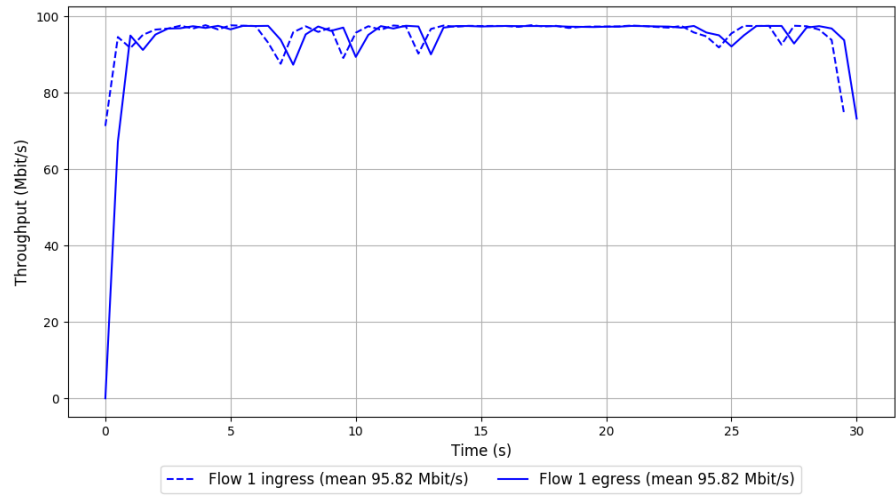


Run 4: Statistics of Indigo

Start at: 2018-07-18 02:23:51
End at: 2018-07-18 02:24:21
Local clock offset: 1.634 ms
Remote clock offset: -4.764 ms

Below is generated by plot.py at 2018-07-18 04:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 21.810 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 21.810 ms
Loss rate: 0.09%

Run 4: Report of Indigo — Data Link

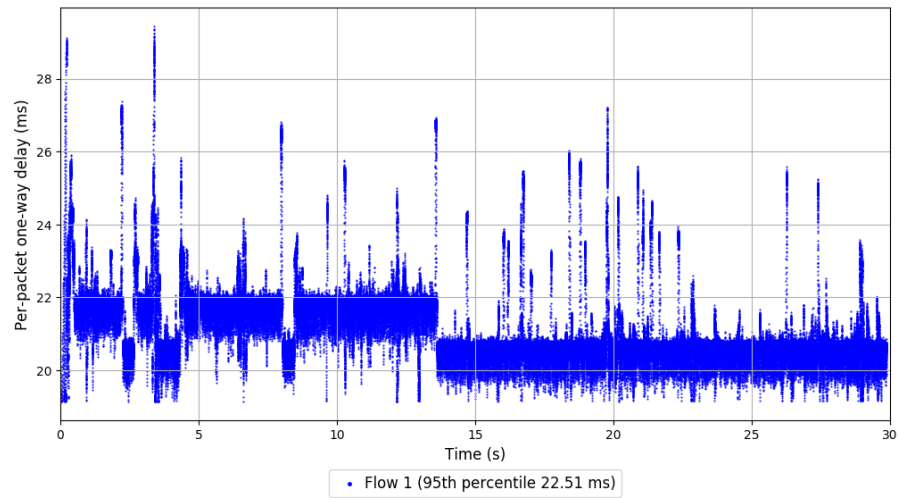
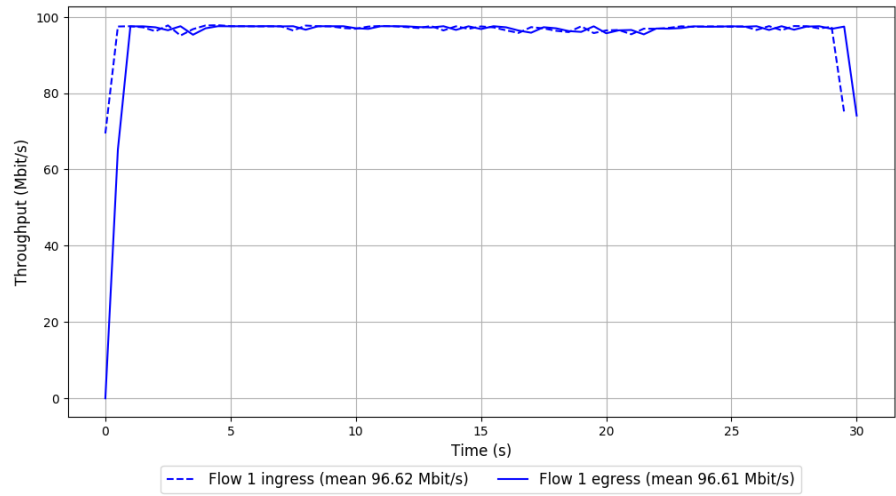


Run 5: Statistics of Indigo

Start at: 2018-07-18 02:44:26
End at: 2018-07-18 02:44:56
Local clock offset: 2.805 ms
Remote clock offset: -2.842 ms

Below is generated by plot.py at 2018-07-18 04:45:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 22.512 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 22.512 ms
Loss rate: 0.08%

Run 5: Report of Indigo — Data Link

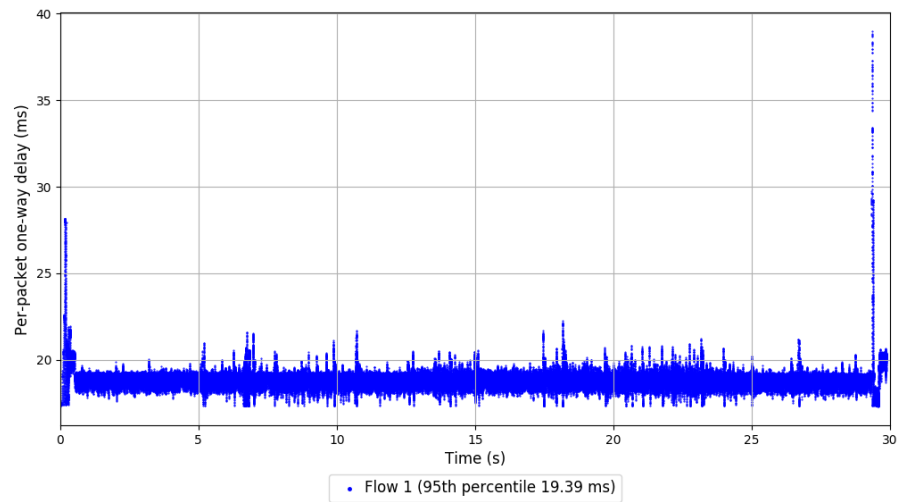
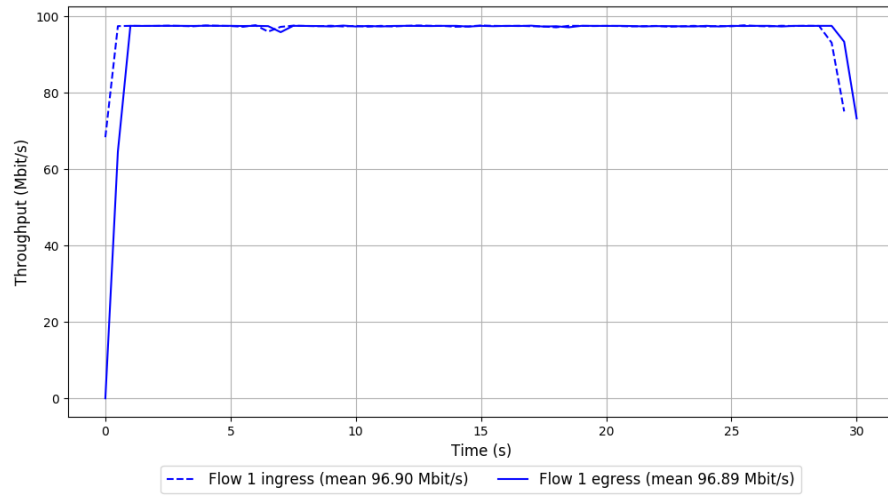


Run 6: Statistics of Indigo

Start at: 2018-07-18 03:05:18
End at: 2018-07-18 03:05:48
Local clock offset: -0.567 ms
Remote clock offset: -7.971 ms

Below is generated by plot.py at 2018-07-18 04:45:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.09%

Run 6: Report of Indigo — Data Link

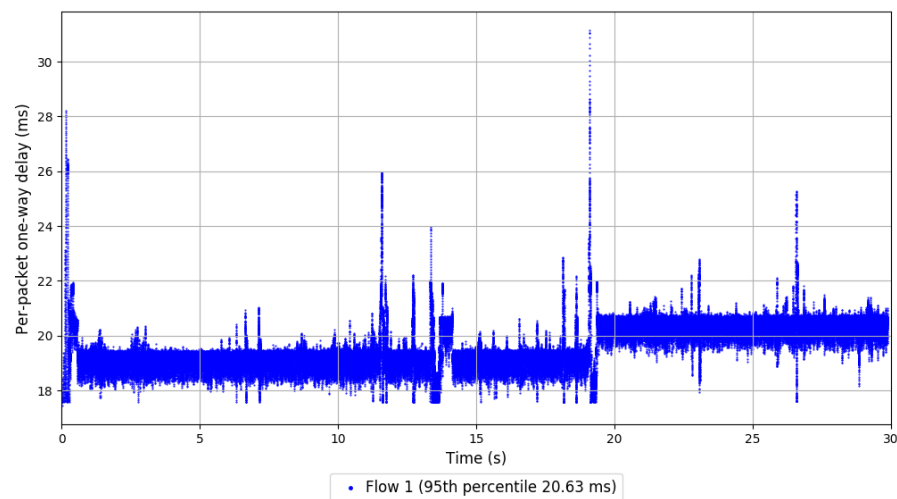
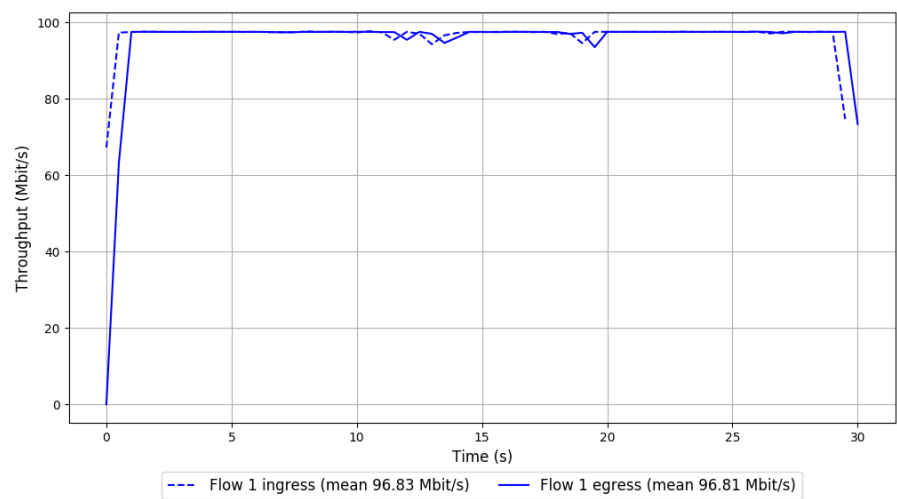


Run 7: Statistics of Indigo

Start at: 2018-07-18 03:25:51
End at: 2018-07-18 03:26:21
Local clock offset: -0.362 ms
Remote clock offset: -8.249 ms

Below is generated by plot.py at 2018-07-18 04:45:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 20.632 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 20.632 ms
Loss rate: 0.10%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-18 03:46:17

End at: 2018-07-18 03:46:47

Local clock offset: -2.853 ms

Remote clock offset: -6.43 ms

Below is generated by plot.py at 2018-07-18 04:45:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 16.777 ms

Loss rate: 0.09%

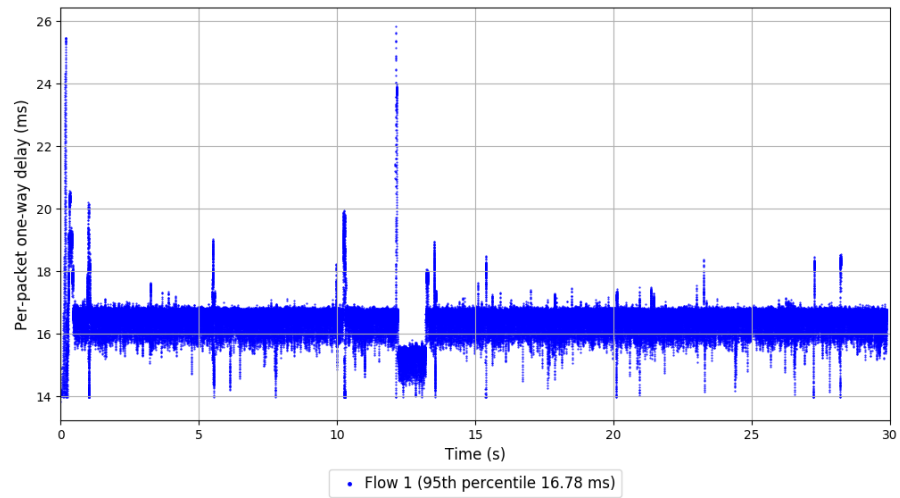
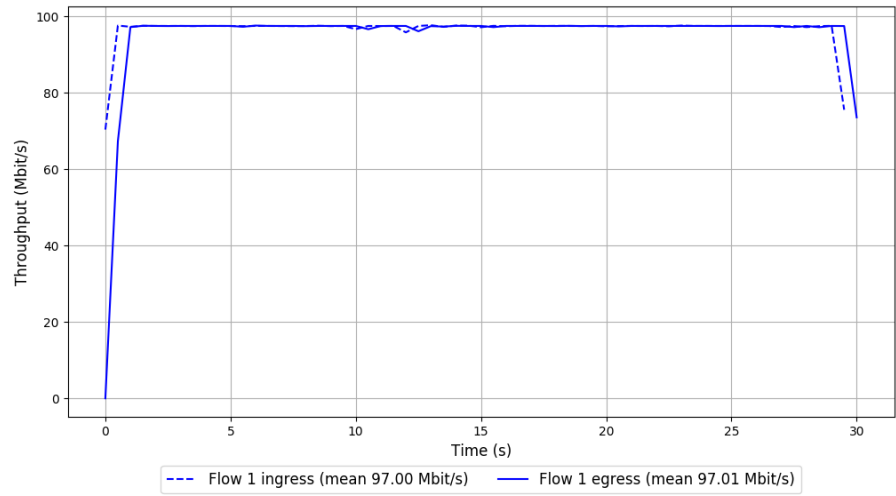
-- Flow 1:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 16.777 ms

Loss rate: 0.09%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-18 04:06:39

End at: 2018-07-18 04:07:09

Local clock offset: 1.118 ms

Remote clock offset: -10.269 ms

Below is generated by plot.py at 2018-07-18 04:46:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 20.311 ms

Loss rate: 0.08%

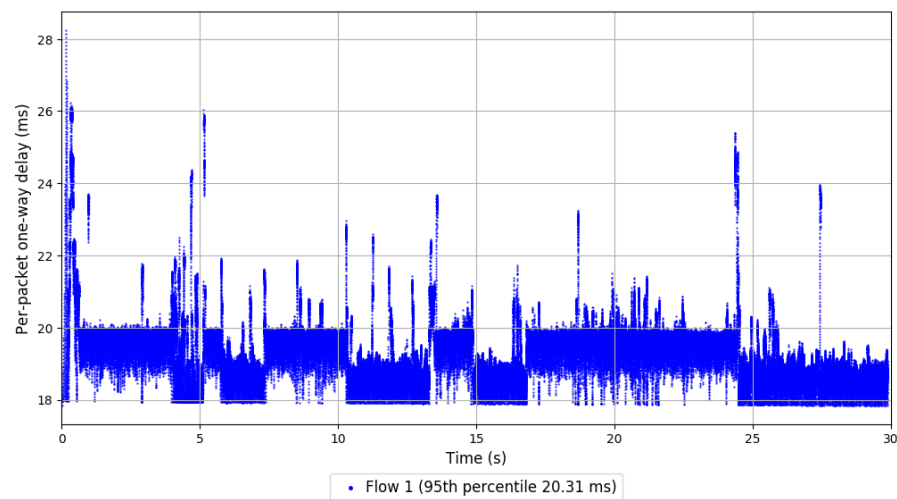
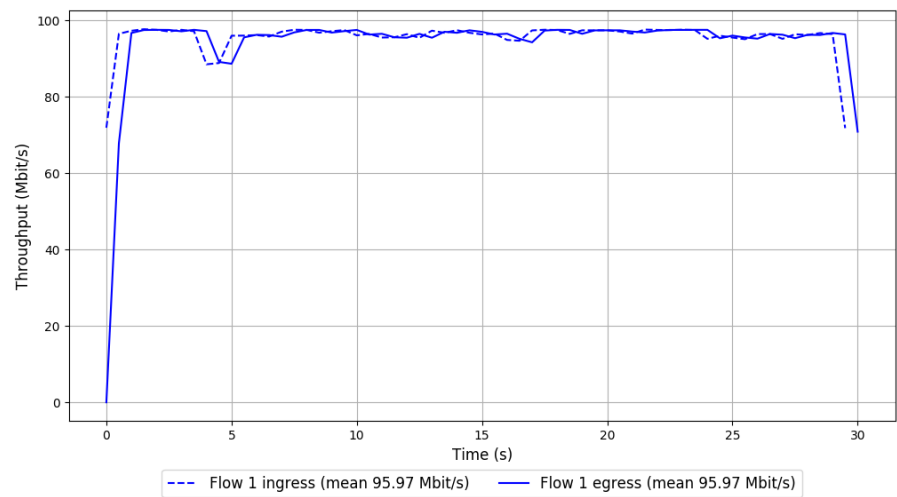
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 20.311 ms

Loss rate: 0.08%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-18 04:26:44

End at: 2018-07-18 04:27:14

Local clock offset: 0.497 ms

Remote clock offset: -12.176 ms

Below is generated by plot.py at 2018-07-18 04:46:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 19.906 ms

Loss rate: 0.19%

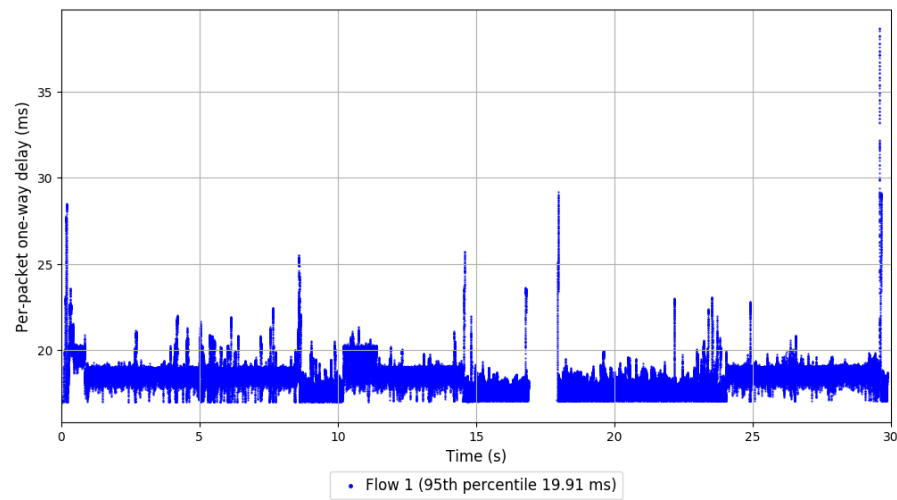
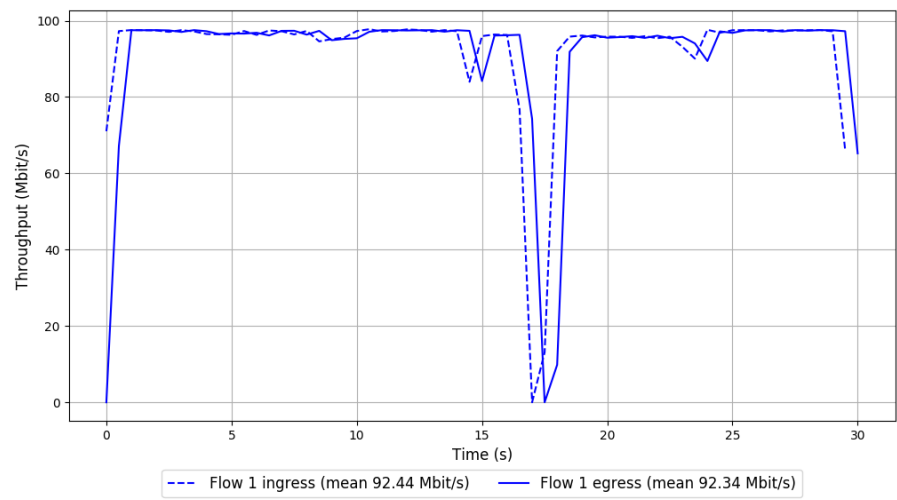
-- Flow 1:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 19.906 ms

Loss rate: 0.19%

Run 10: Report of Indigo — Data Link

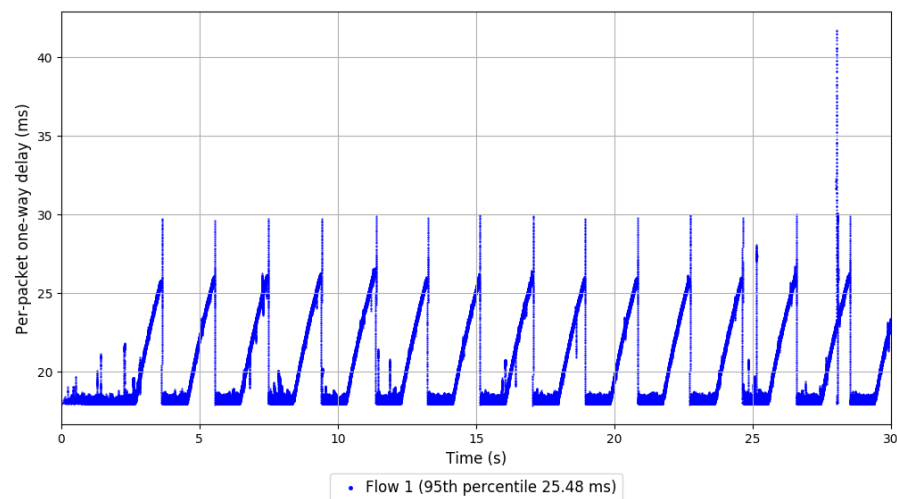
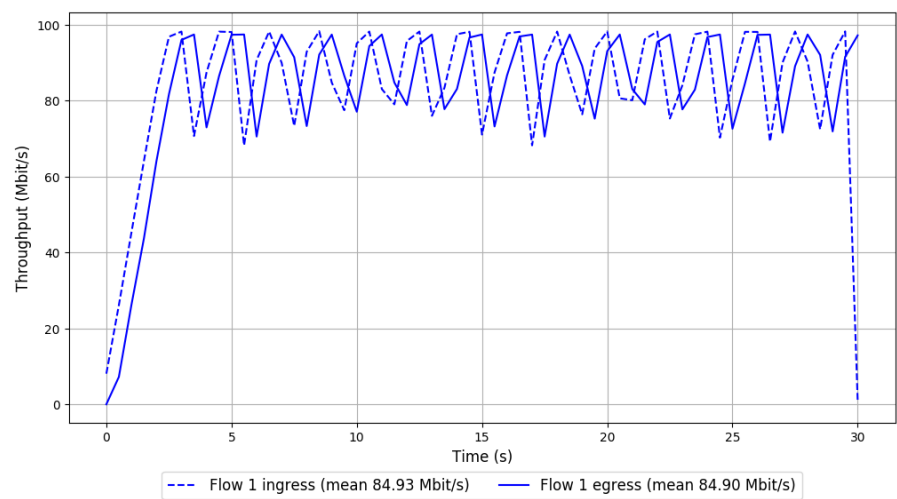


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 01:12:55
End at: 2018-07-18 01:13:25
Local clock offset: 0.702 ms
Remote clock offset: -8.498 ms

Below is generated by plot.py at 2018-07-18 04:46:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 25.478 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 25.478 ms
Loss rate: 0.12%

Run 1: Report of LEDBAT — Data Link

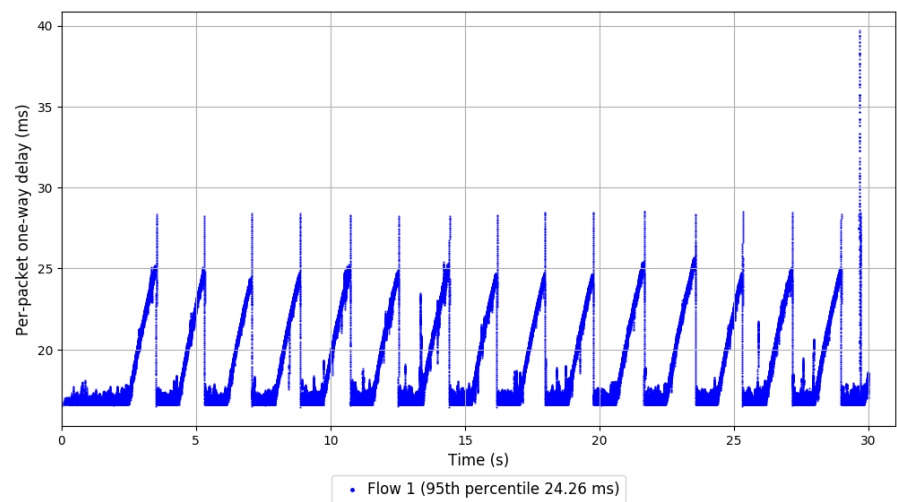
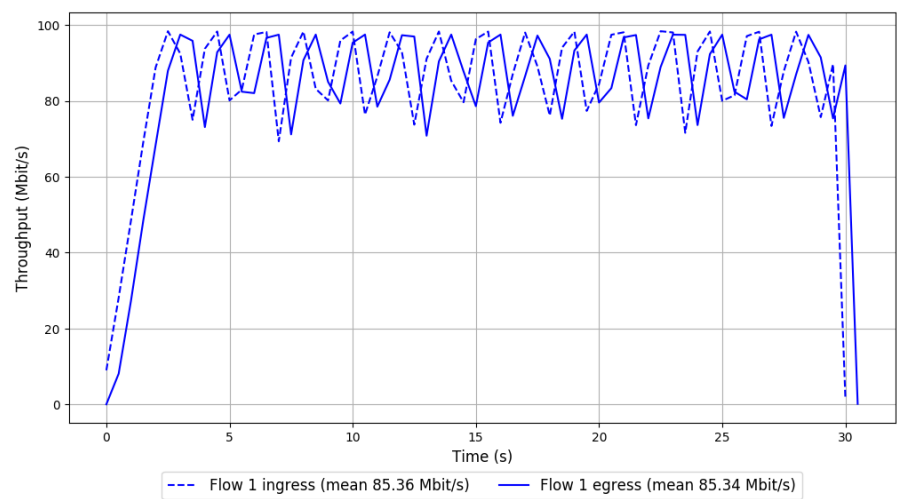


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 01:33:12
End at: 2018-07-18 01:33:42
Local clock offset: 0.947 ms
Remote clock offset: -6.963 ms

Below is generated by plot.py at 2018-07-18 04:46:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 24.261 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 24.261 ms
Loss rate: 0.11%

Run 2: Report of LEDBAT — Data Link

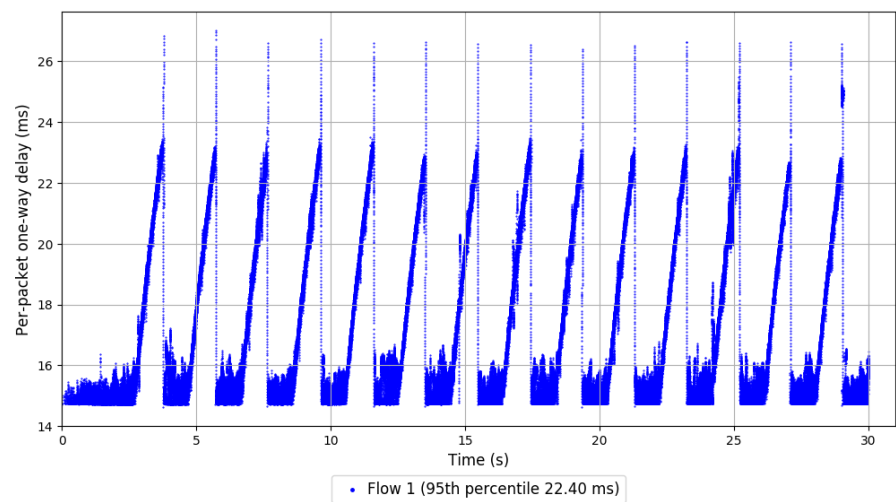
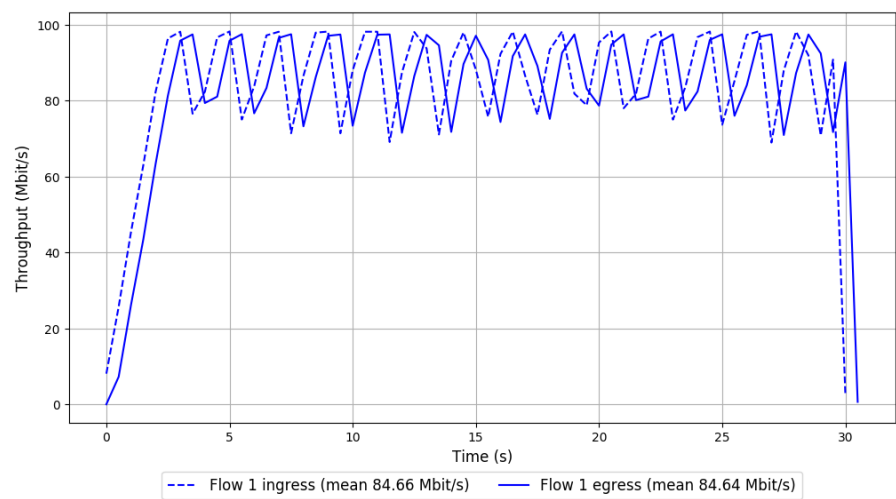


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 01:53:36
End at: 2018-07-18 01:54:07
Local clock offset: -1.441 ms
Remote clock offset: -6.481 ms

Below is generated by plot.py at 2018-07-18 04:46:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 22.402 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 22.402 ms
Loss rate: 0.10%

Run 3: Report of LEDBAT — Data Link

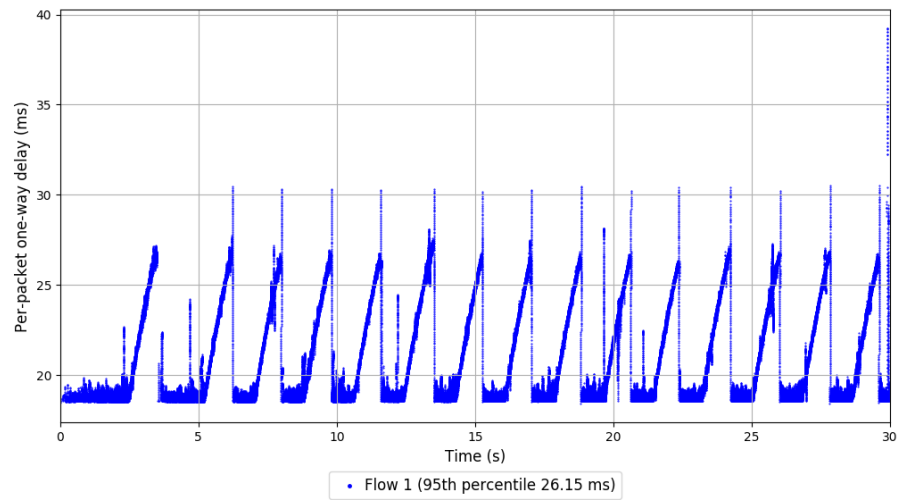
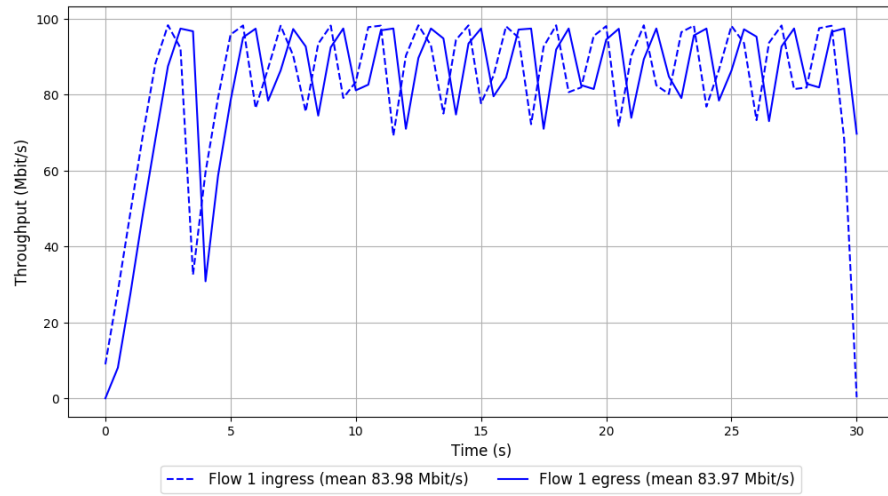


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 02:14:10
End at: 2018-07-18 02:14:40
Local clock offset: 1.276 ms
Remote clock offset: -5.969 ms

Below is generated by plot.py at 2018-07-18 04:46:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 26.152 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 26.152 ms
Loss rate: 0.09%

Run 4: Report of LEDBAT — Data Link

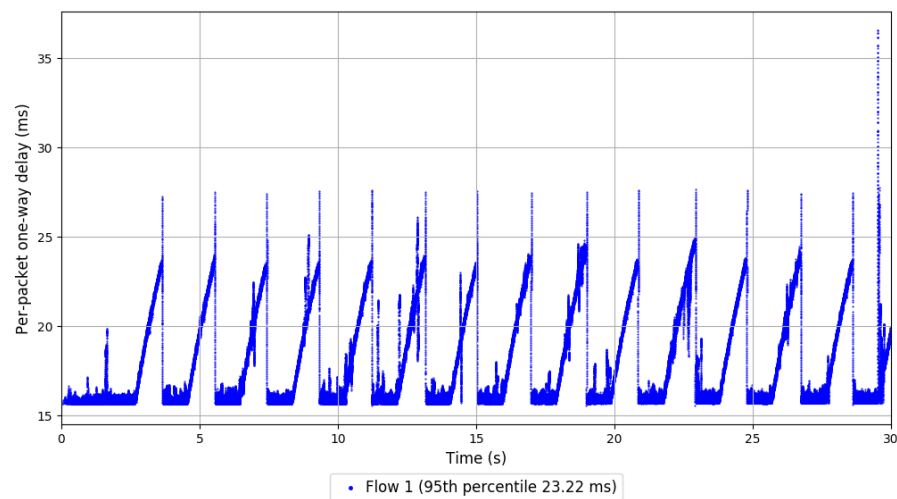
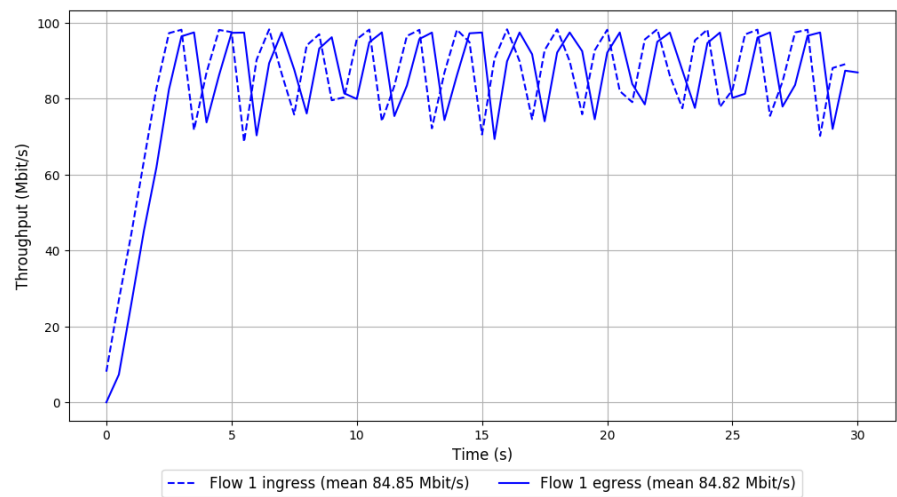


Run 5: Statistics of LEDBAT

Start at: 2018-07-18 02:34:39
End at: 2018-07-18 02:35:09
Local clock offset: -0.774 ms
Remote clock offset: -3.461 ms

Below is generated by plot.py at 2018-07-18 04:47:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 23.221 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 23.221 ms
Loss rate: 0.12%

Run 5: Report of LEDBAT — Data Link

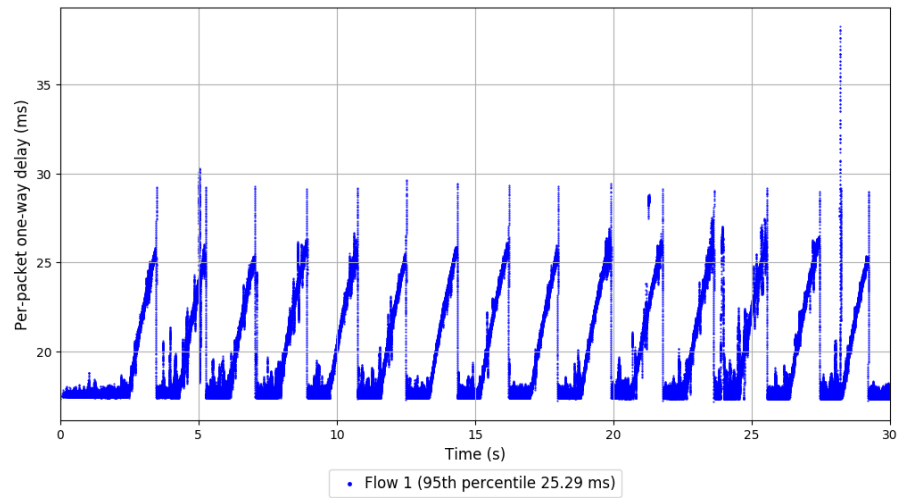
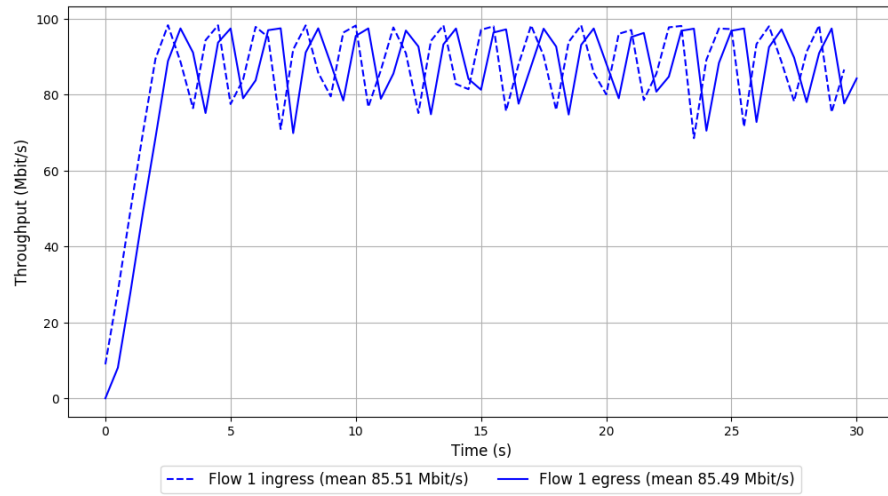


Run 6: Statistics of LEDBAT

Start at: 2018-07-18 02:55:25
End at: 2018-07-18 02:55:55
Local clock offset: 1.556 ms
Remote clock offset: -4.927 ms

Below is generated by plot.py at 2018-07-18 04:47:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 25.290 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 25.290 ms
Loss rate: 0.10%

Run 6: Report of LEDBAT — Data Link

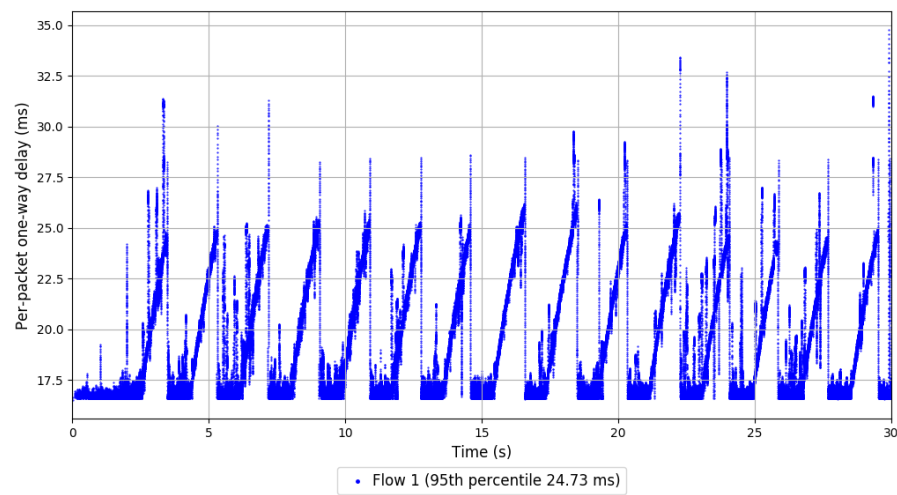
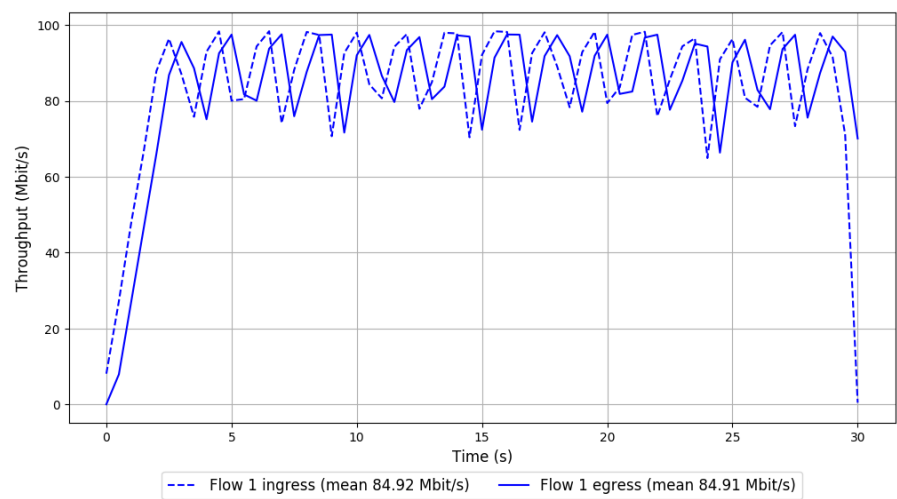


Run 7: Statistics of LEDBAT

Start at: 2018-07-18 03:16:18
End at: 2018-07-18 03:16:48
Local clock offset: -1.077 ms
Remote clock offset: -8.203 ms

Below is generated by plot.py at 2018-07-18 04:47:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.91 Mbit/s
95th percentile per-packet one-way delay: 24.732 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.91 Mbit/s
95th percentile per-packet one-way delay: 24.732 ms
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

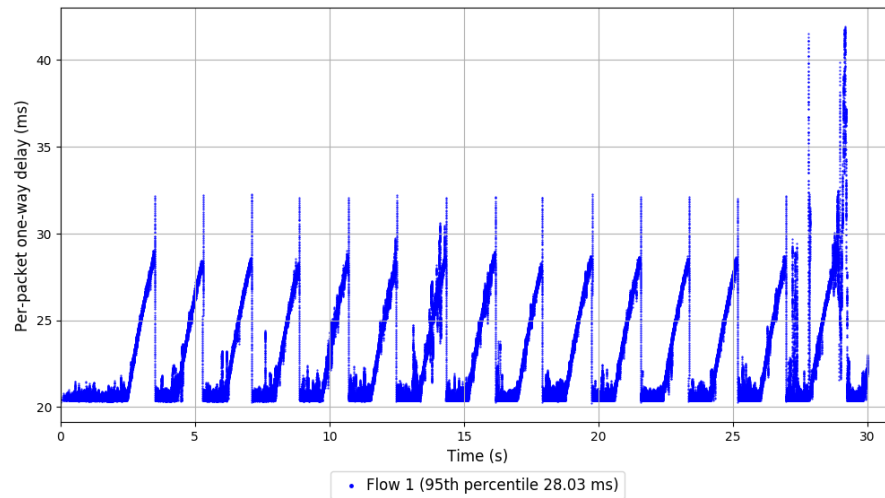
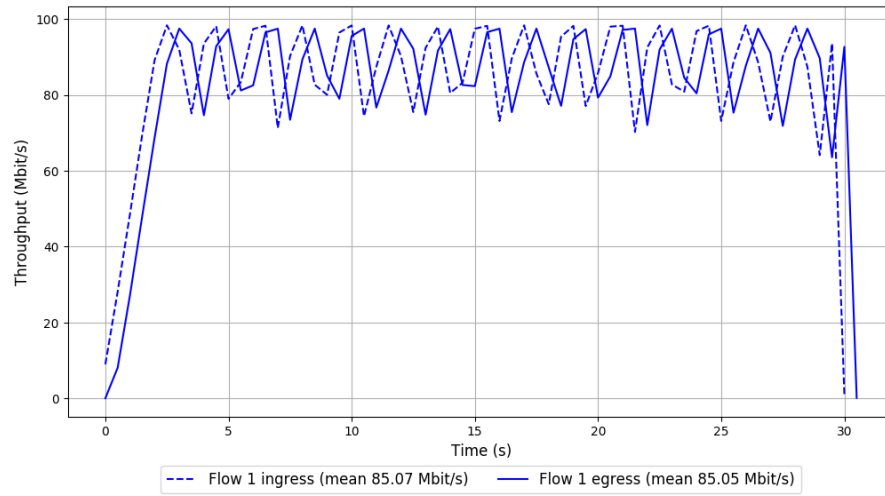


Run 8: Statistics of LEDBAT

Start at: 2018-07-18 03:36:34
End at: 2018-07-18 03:37:04
Local clock offset: 2.891 ms
Remote clock offset: -7.247 ms

Below is generated by plot.py at 2018-07-18 04:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 28.031 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 28.031 ms
Loss rate: 0.11%

Run 8: Report of LEDBAT — Data Link

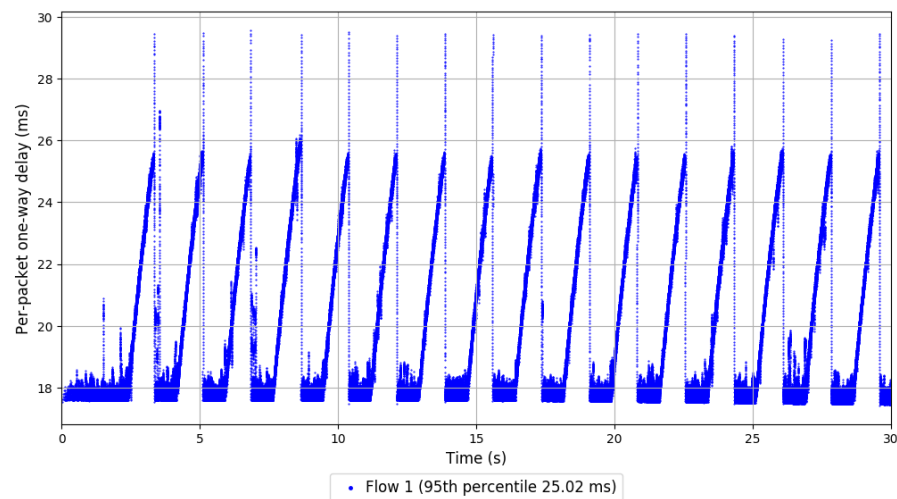
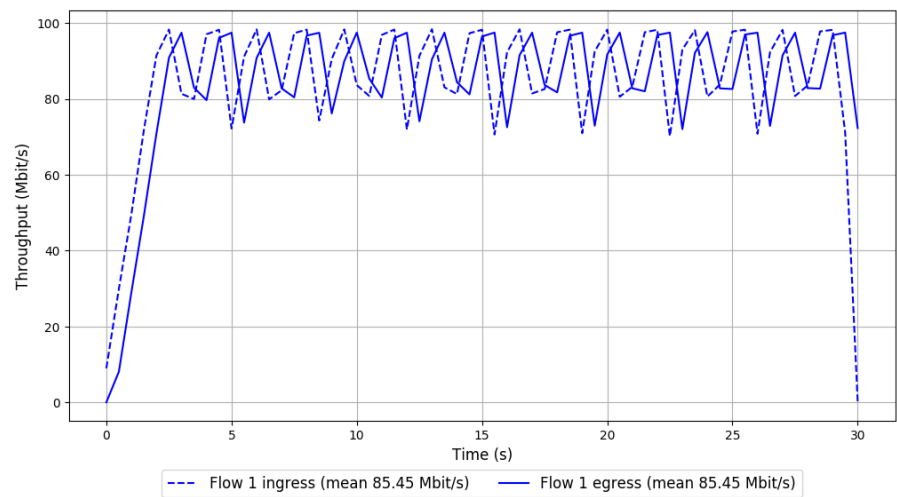


Run 9: Statistics of LEDBAT

Start at: 2018-07-18 03:57:04
End at: 2018-07-18 03:57:34
Local clock offset: 1.279 ms
Remote clock offset: -6.146 ms

Below is generated by plot.py at 2018-07-18 04:47:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 25.016 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 25.016 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

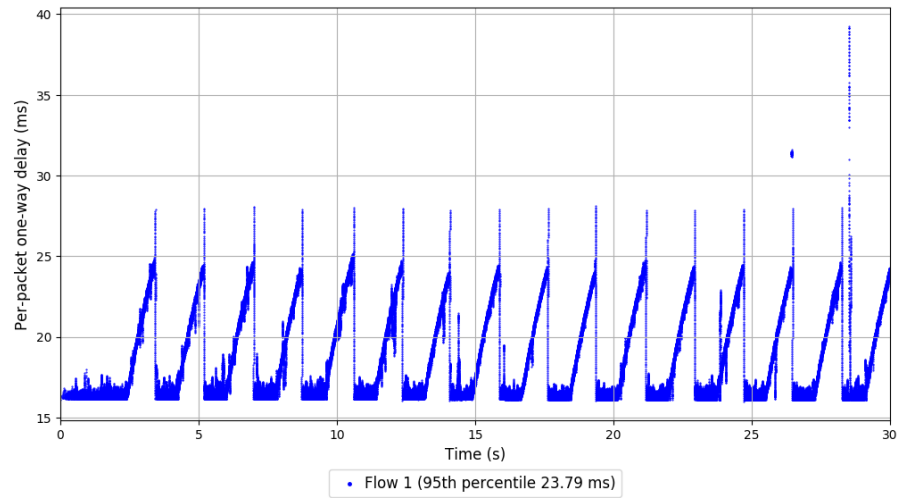
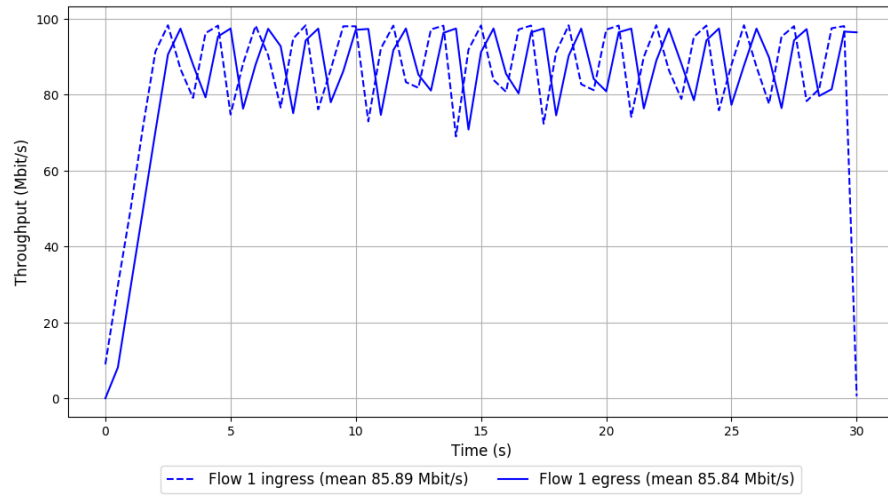


Run 10: Statistics of LEDBAT

Start at: 2018-07-18 04:17:22
End at: 2018-07-18 04:17:52
Local clock offset: -0.405 ms
Remote clock offset: -11.822 ms

Below is generated by plot.py at 2018-07-18 04:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 23.790 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 23.790 ms
Loss rate: 0.13%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 01:19:02

End at: 2018-07-18 01:19:32

Local clock offset: -0.128 ms

Remote clock offset: -8.734 ms

Below is generated by plot.py at 2018-07-18 04:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 19.897 ms

Loss rate: 0.09%

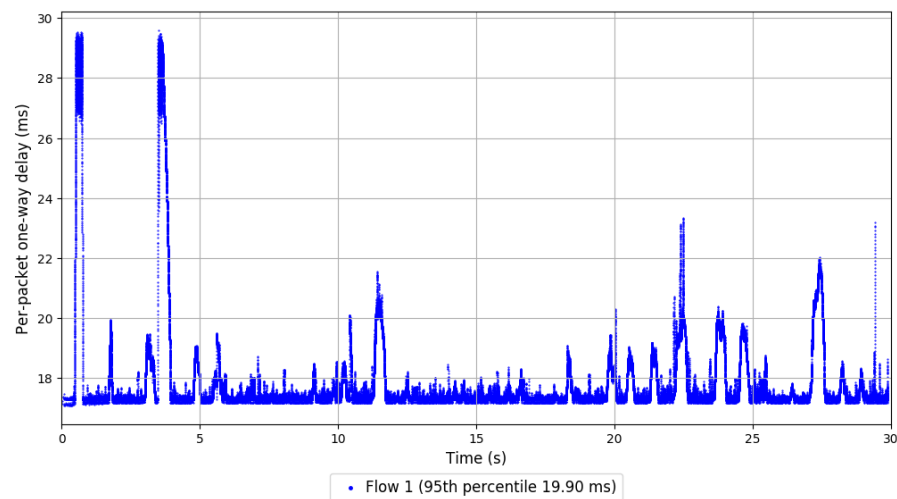
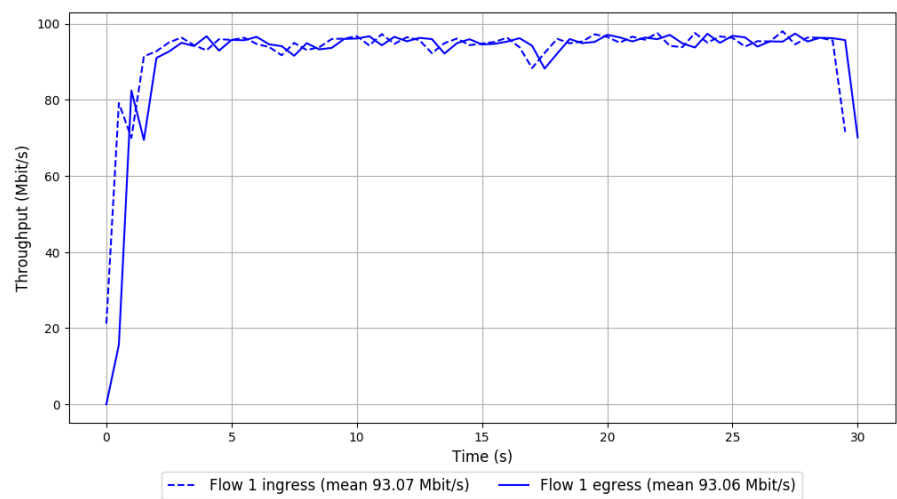
-- Flow 1:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 19.897 ms

Loss rate: 0.09%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 01:39:08

End at: 2018-07-18 01:39:38

Local clock offset: 0.584 ms

Remote clock offset: -7.946 ms

Below is generated by plot.py at 2018-07-18 04:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 19.411 ms

Loss rate: 0.08%

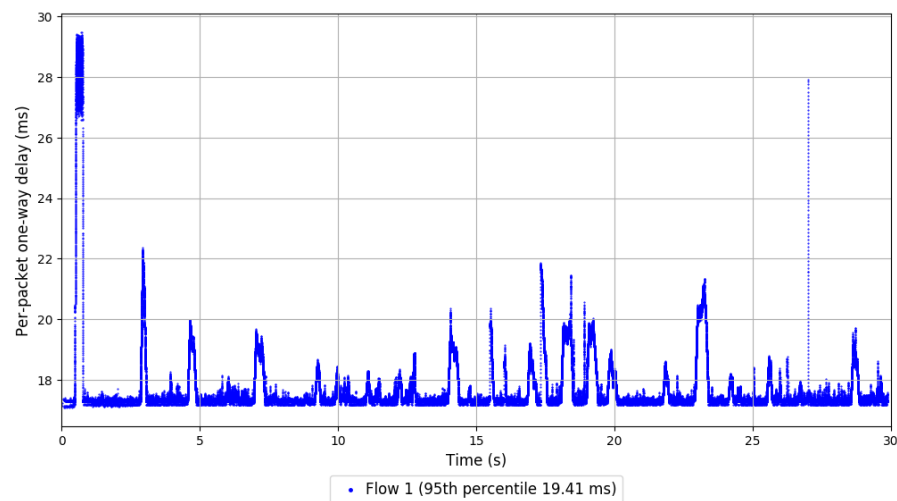
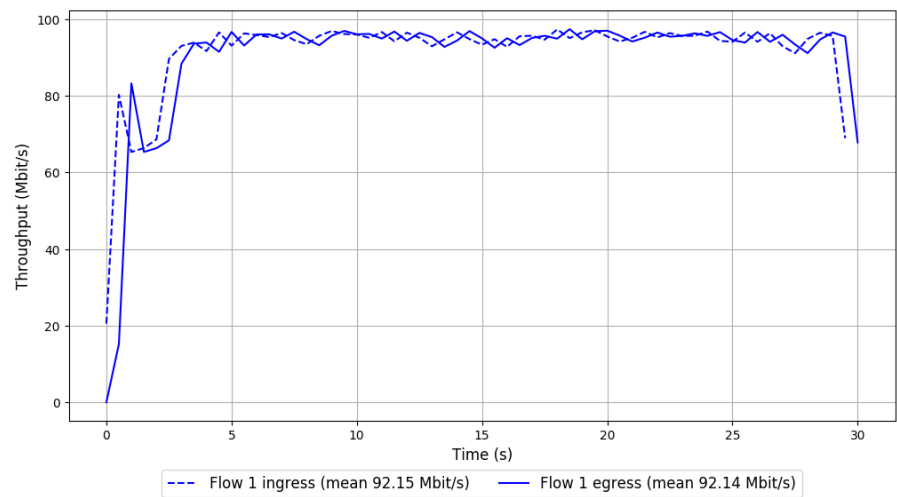
-- Flow 1:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 19.411 ms

Loss rate: 0.08%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 01:59:46

End at: 2018-07-18 02:00:16

Local clock offset: 2.478 ms

Remote clock offset: -6.172 ms

Below is generated by plot.py at 2018-07-18 04:48:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.66 Mbit/s

95th percentile per-packet one-way delay: 20.644 ms

Loss rate: 0.08%

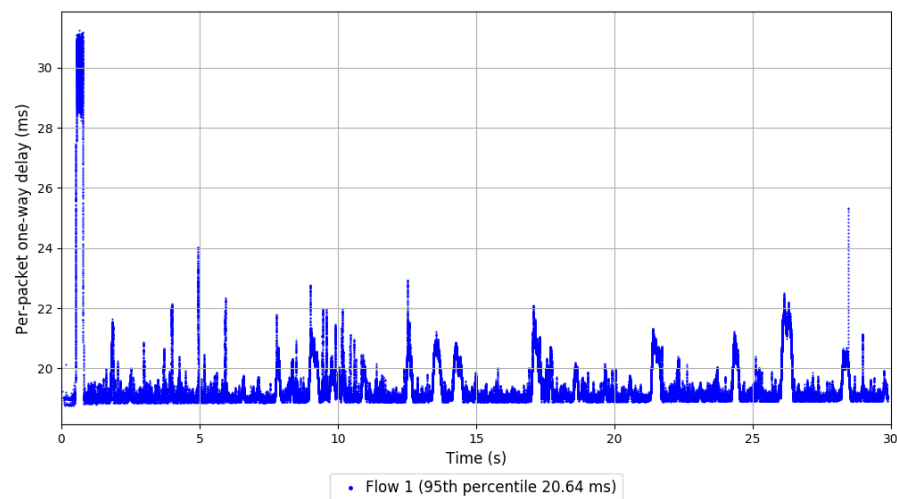
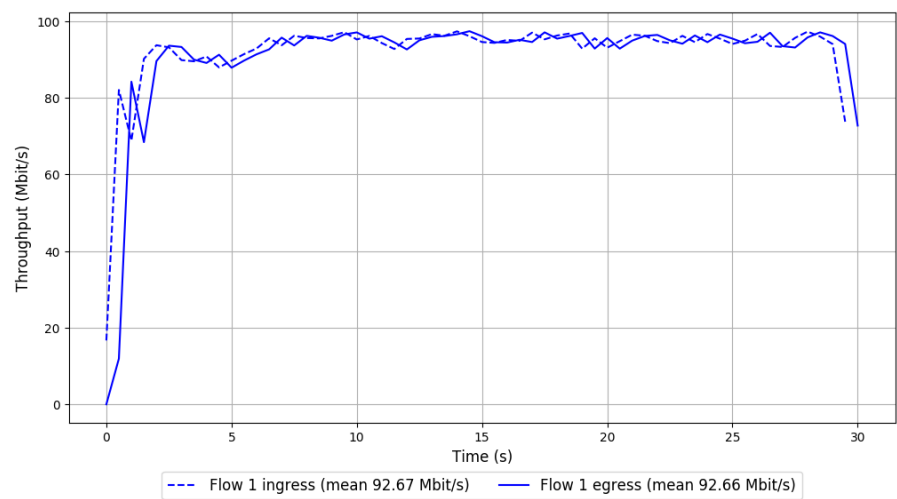
-- Flow 1:

Average throughput: 92.66 Mbit/s

95th percentile per-packet one-way delay: 20.644 ms

Loss rate: 0.08%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 02:20:14

End at: 2018-07-18 02:20:44

Local clock offset: 1.102 ms

Remote clock offset: -4.966 ms

Below is generated by plot.py at 2018-07-18 04:48:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.922 ms

Loss rate: 2.75%

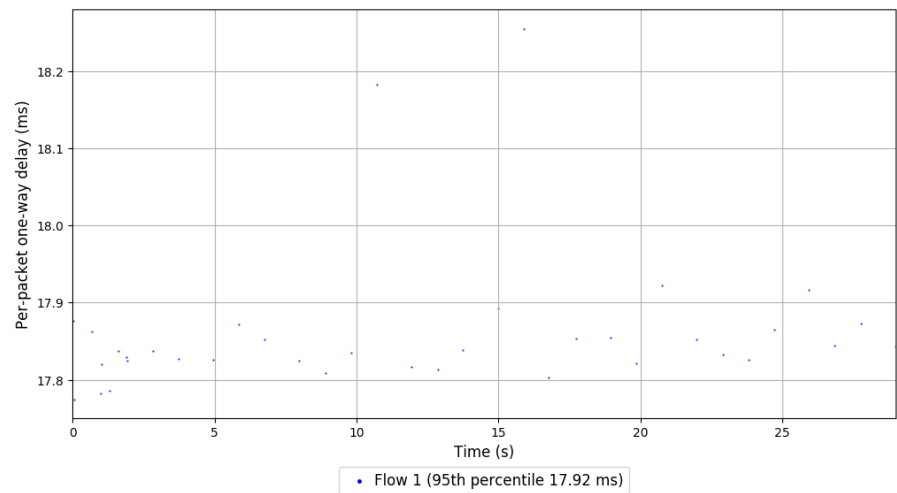
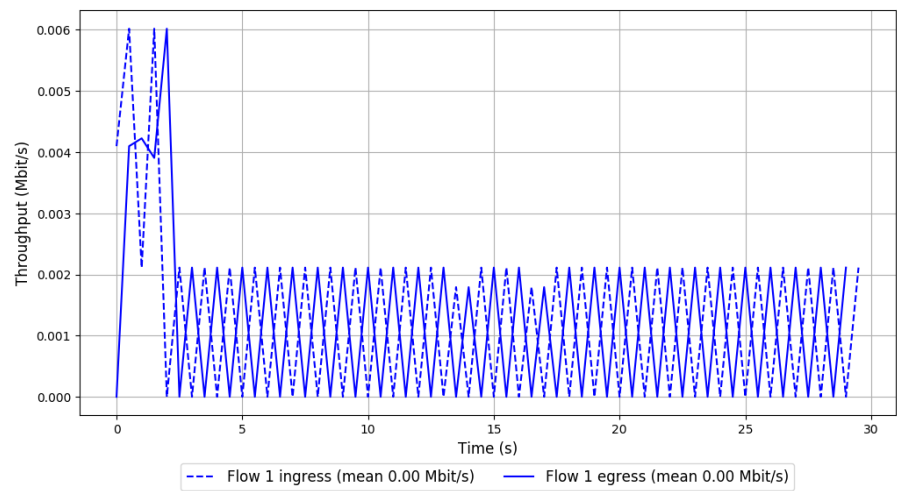
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.922 ms

Loss rate: 2.75%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 02:40:49

End at: 2018-07-18 02:41:19

Local clock offset: 1.124 ms

Remote clock offset: -2.086 ms

Below is generated by plot.py at 2018-07-18 04:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 24.528 ms

Loss rate: 0.09%

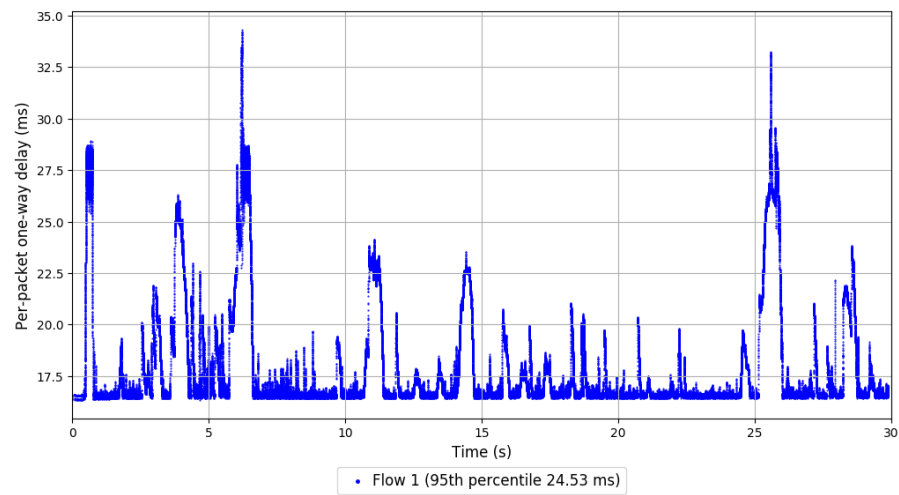
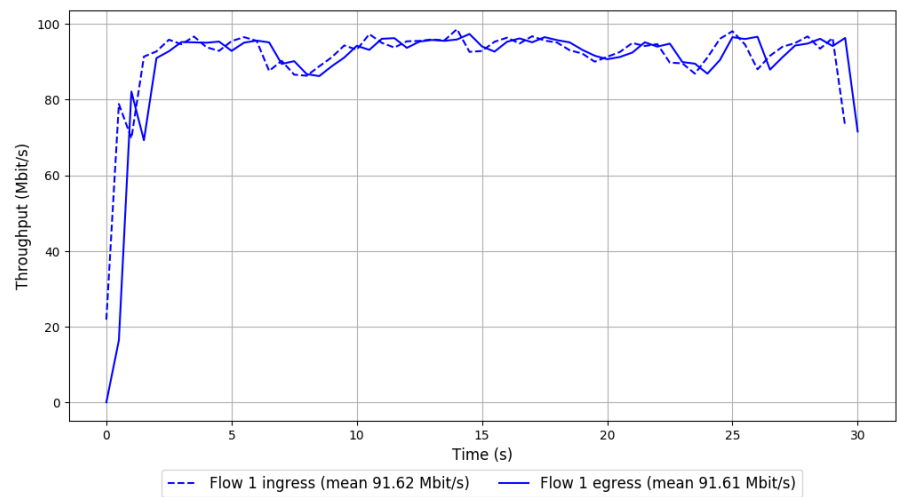
-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 24.528 ms

Loss rate: 0.09%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 03:01:38

End at: 2018-07-18 03:02:08

Local clock offset: 0.425 ms

Remote clock offset: -6.958 ms

Below is generated by plot.py at 2018-07-18 04:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.82 Mbit/s

95th percentile per-packet one-way delay: 20.851 ms

Loss rate: 0.09%

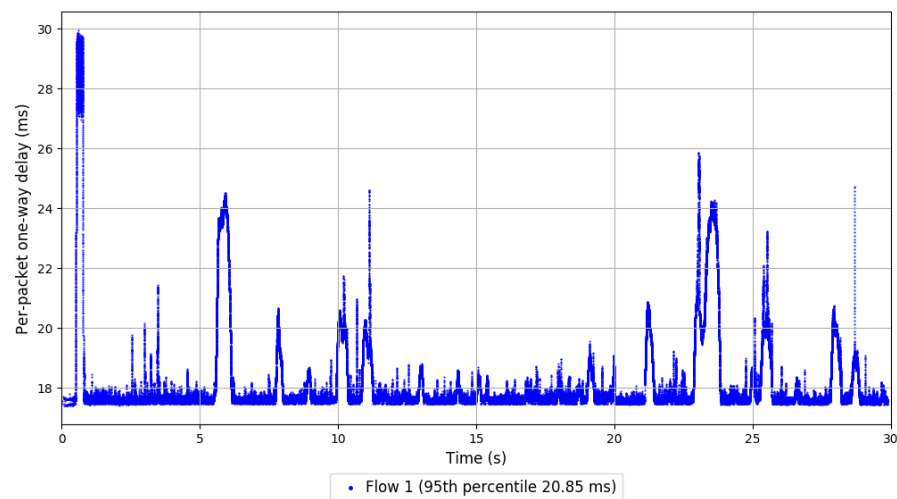
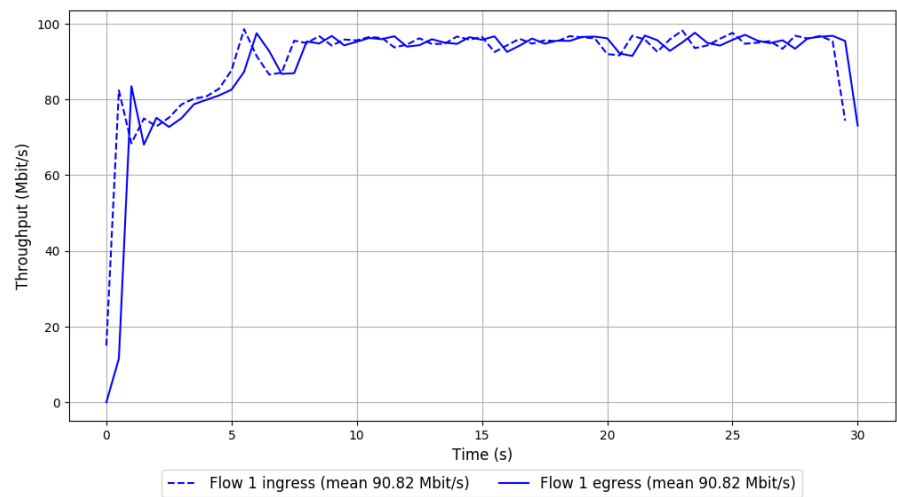
-- Flow 1:

Average throughput: 90.82 Mbit/s

95th percentile per-packet one-way delay: 20.851 ms

Loss rate: 0.09%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 03:22:12

End at: 2018-07-18 03:22:42

Local clock offset: 1.777 ms

Remote clock offset: -8.588 ms

Below is generated by plot.py at 2018-07-18 04:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.78 Mbit/s

95th percentile per-packet one-way delay: 28.971 ms

Loss rate: 0.10%

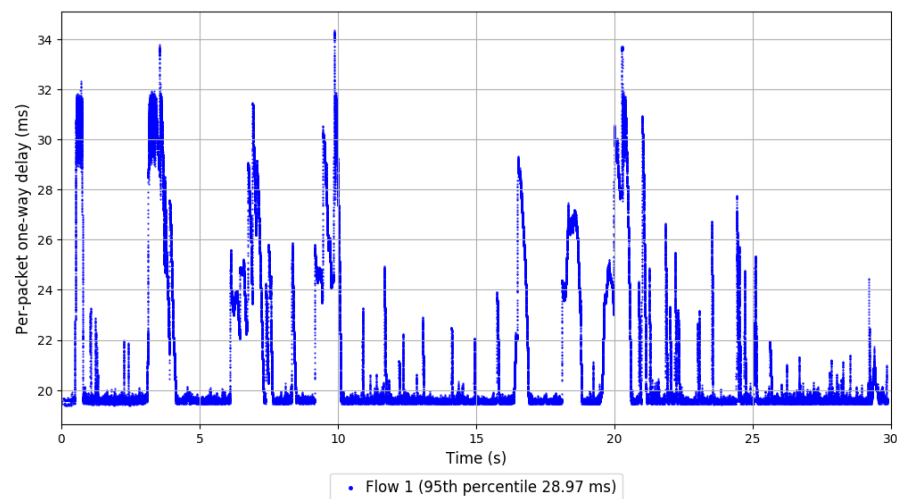
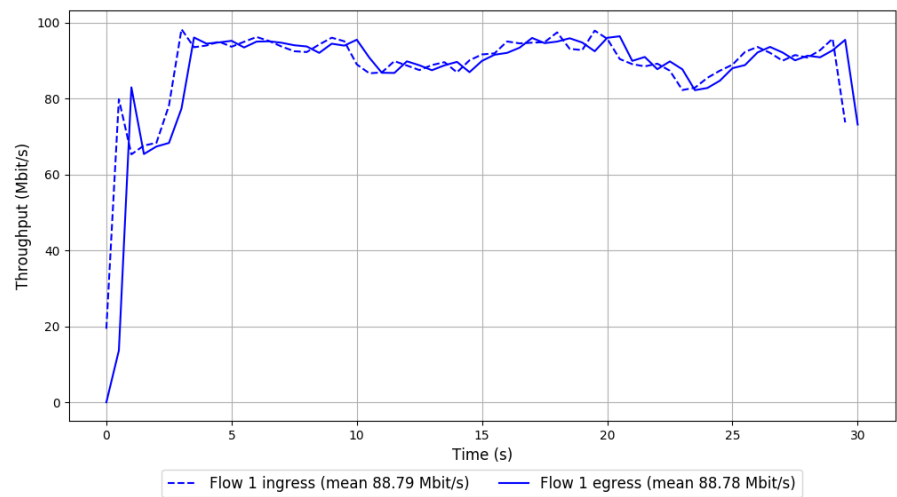
-- Flow 1:

Average throughput: 88.78 Mbit/s

95th percentile per-packet one-way delay: 28.971 ms

Loss rate: 0.10%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 03:42:42

End at: 2018-07-18 03:43:12

Local clock offset: 3.788 ms

Remote clock offset: -5.947 ms

Below is generated by plot.py at 2018-07-18 04:48:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 24.380 ms

Loss rate: 0.10%

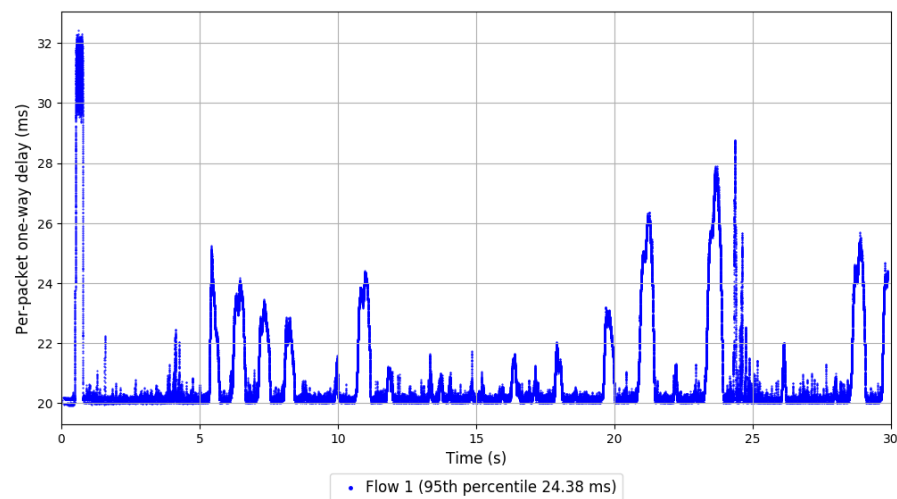
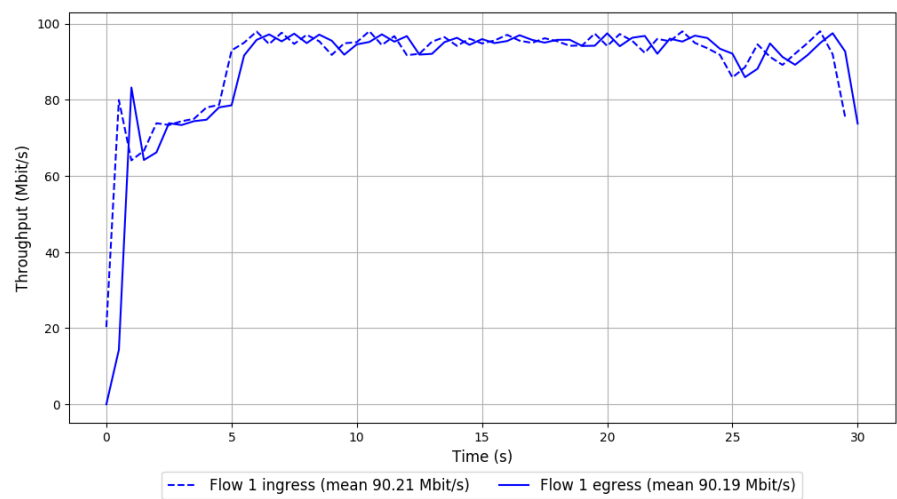
-- Flow 1:

Average throughput: 90.19 Mbit/s

95th percentile per-packet one-way delay: 24.380 ms

Loss rate: 0.10%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 04:03:02

End at: 2018-07-18 04:03:32

Local clock offset: -2.301 ms

Remote clock offset: -9.228 ms

Below is generated by plot.py at 2018-07-18 04:48:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 20.794 ms

Loss rate: 0.17%

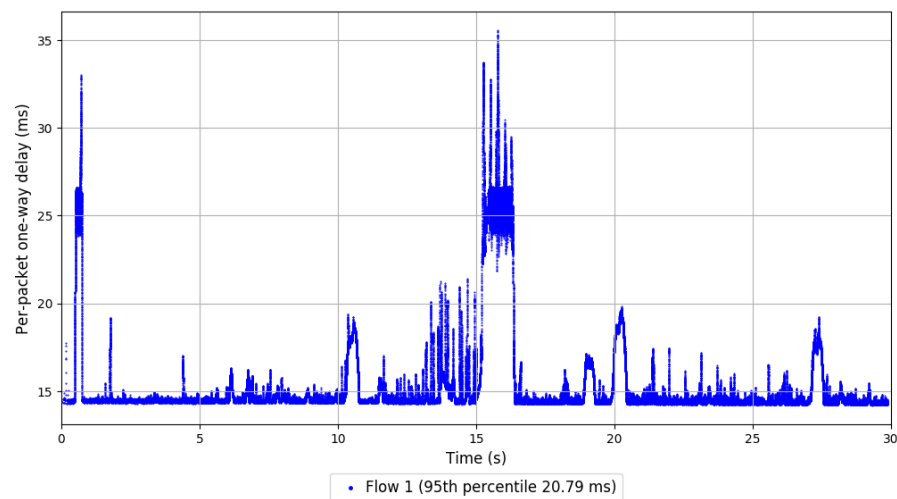
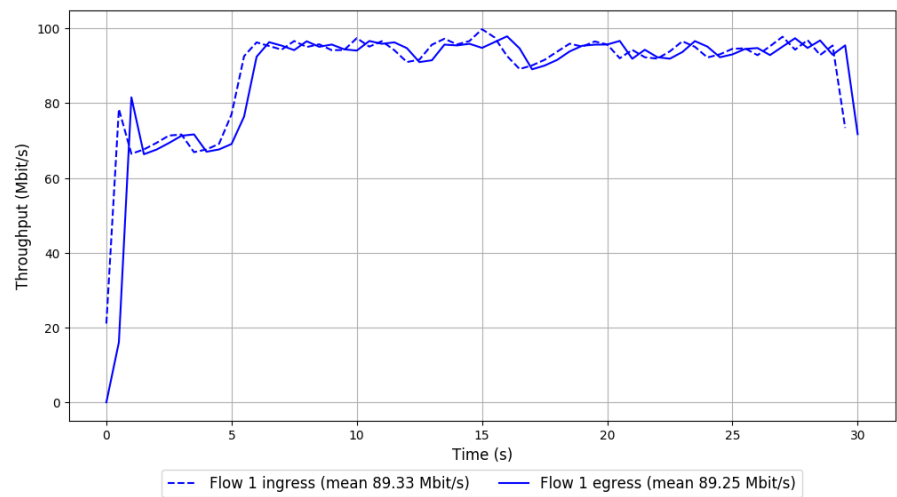
-- Flow 1:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 20.794 ms

Loss rate: 0.17%

Run 9: Report of PCC-Allegro — Data Link

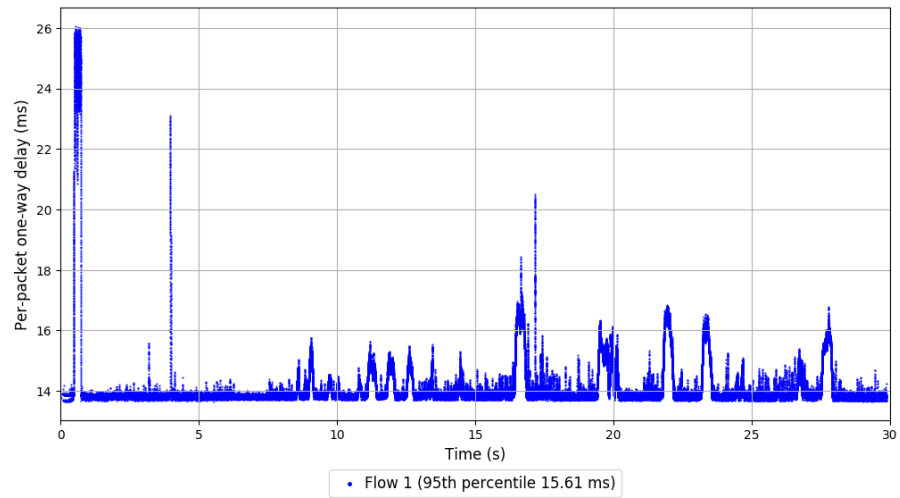
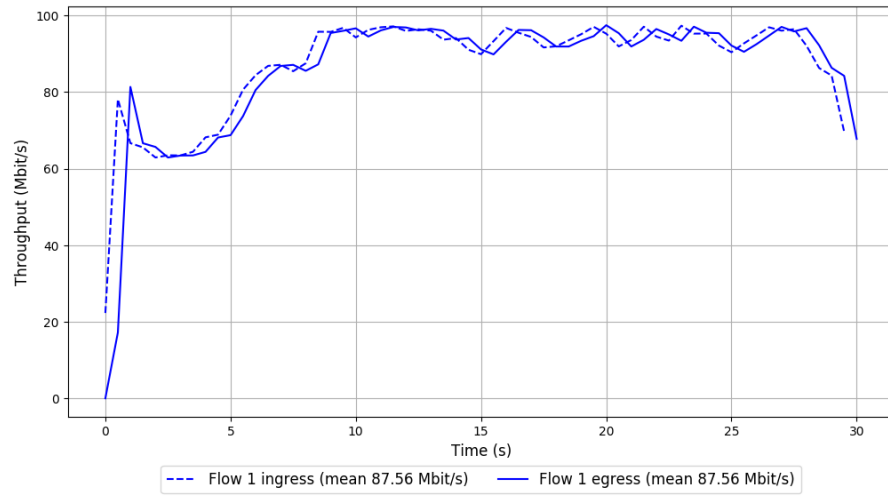


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 04:23:09
End at: 2018-07-18 04:23:39
Local clock offset: -2.538 ms
Remote clock offset: -12.24 ms

Below is generated by plot.py at 2018-07-18 04:48:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 15.607 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 15.607 ms
Loss rate: 0.08%

Run 10: Report of PCC-Allegro — Data Link

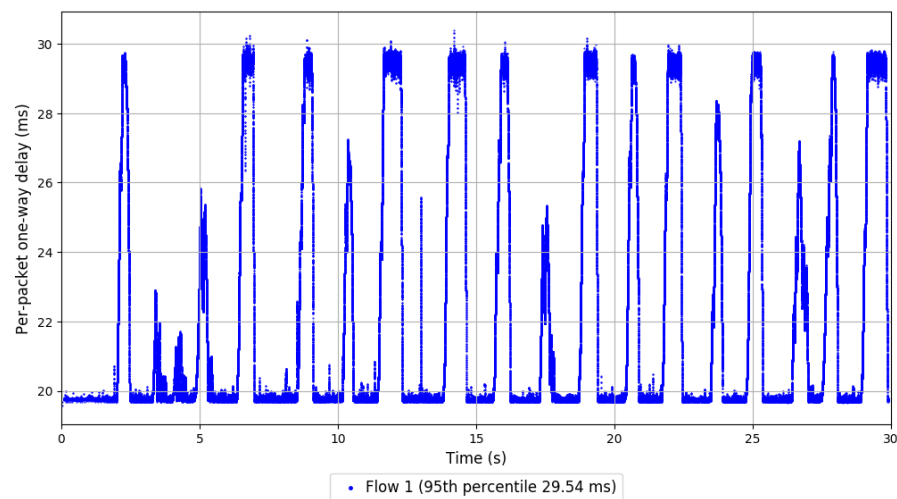
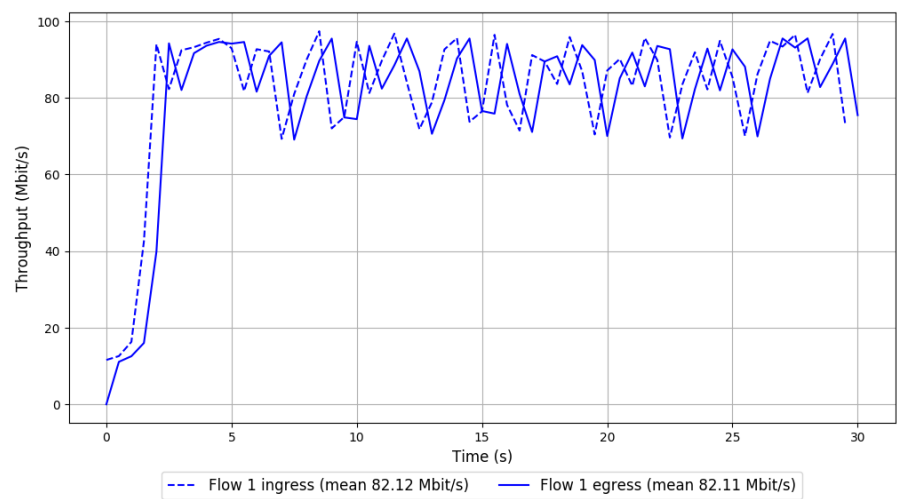


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 01:11:40
End at: 2018-07-18 01:12:10
Local clock offset: 1.87 ms
Remote clock offset: -9.051 ms

# Below is generated by plot.py at 2018-07-18 04:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 29.542 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 29.542 ms
Loss rate: 0.09%
```

Run 1: Report of PCC-Expr — Data Link

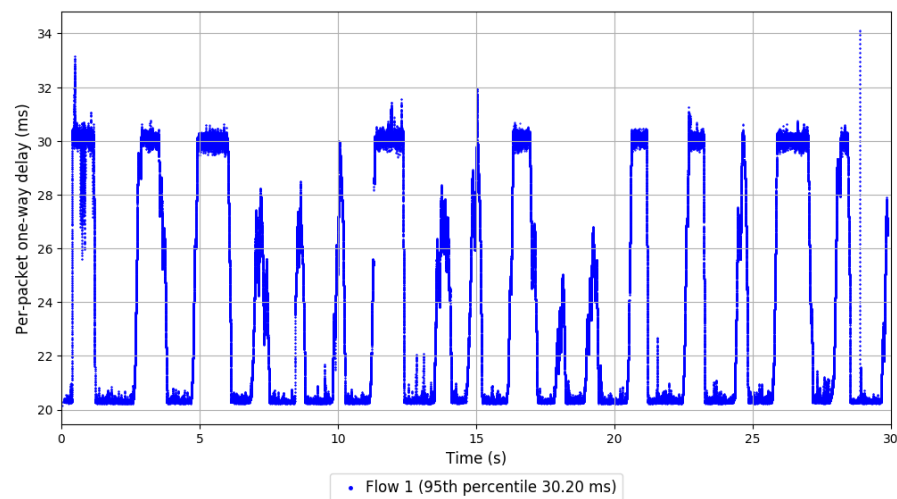
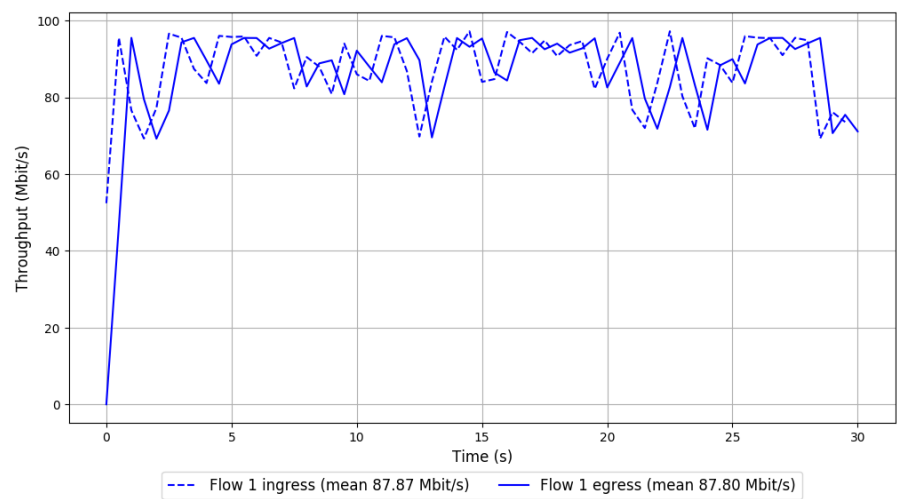


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 01:31:56
End at: 2018-07-18 01:32:26
Local clock offset: 2.752 ms
Remote clock offset: -8.888 ms

Below is generated by plot.py at 2018-07-18 04:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 30.195 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 30.195 ms
Loss rate: 0.17%

Run 2: Report of PCC-Expr — Data Link

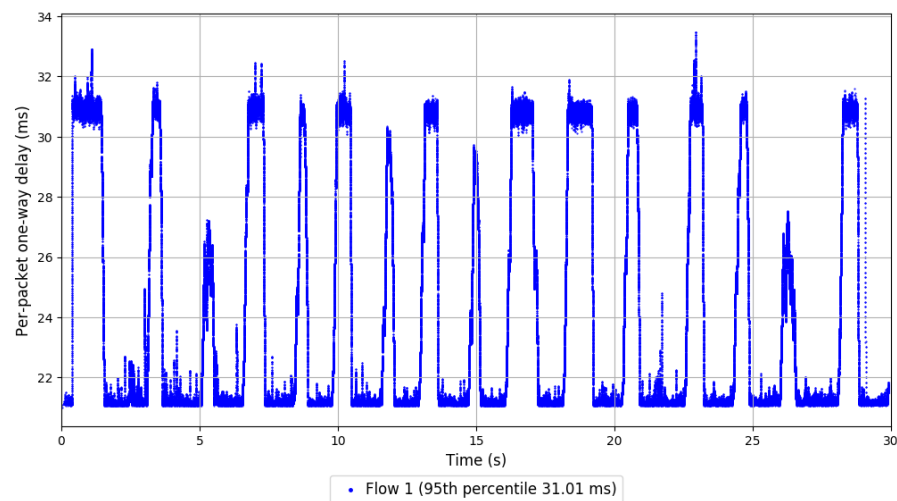
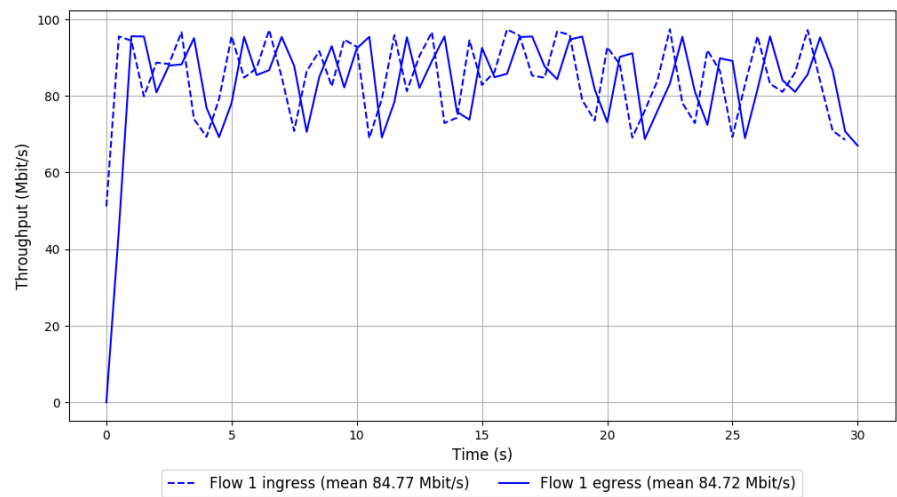


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 01:52:20
End at: 2018-07-18 01:52:50
Local clock offset: 4.617 ms
Remote clock offset: -6.872 ms

Below is generated by plot.py at 2018-07-18 04:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 31.012 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 31.012 ms
Loss rate: 0.14%

Run 3: Report of PCC-Expr — Data Link

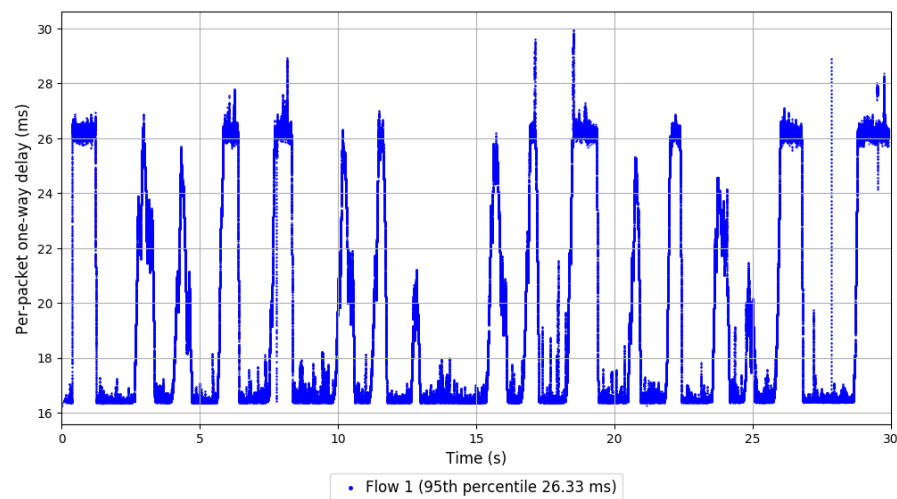
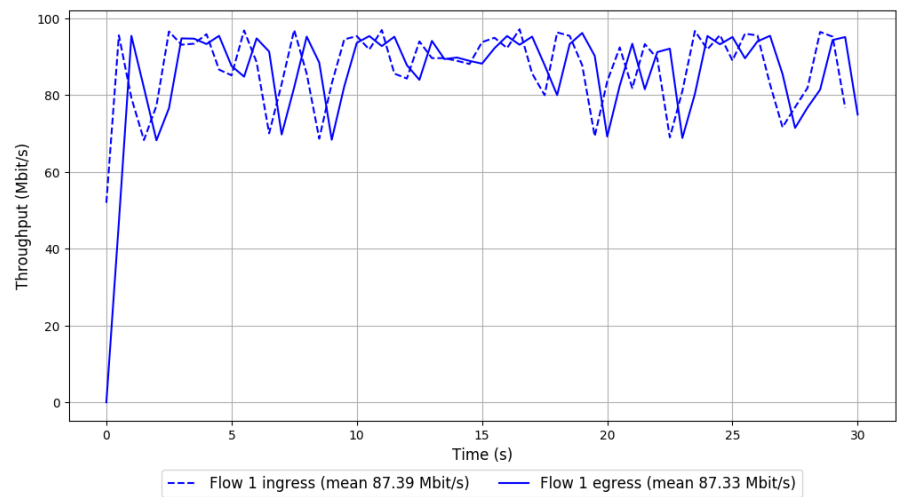


Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 02:12:50
End at: 2018-07-18 02:13:20
Local clock offset: 0.556 ms
Remote clock offset: -4.635 ms

Below is generated by plot.py at 2018-07-18 04:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 26.334 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 26.334 ms
Loss rate: 0.16%

Run 4: Report of PCC-Expr — Data Link

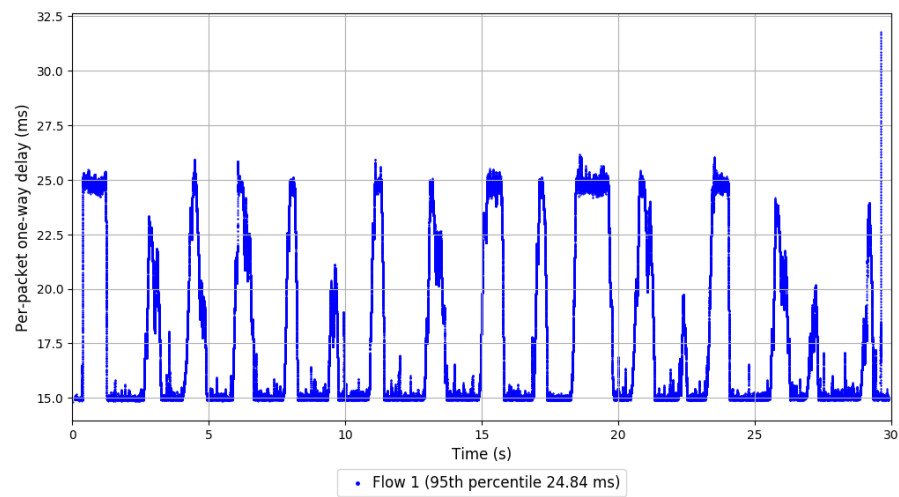
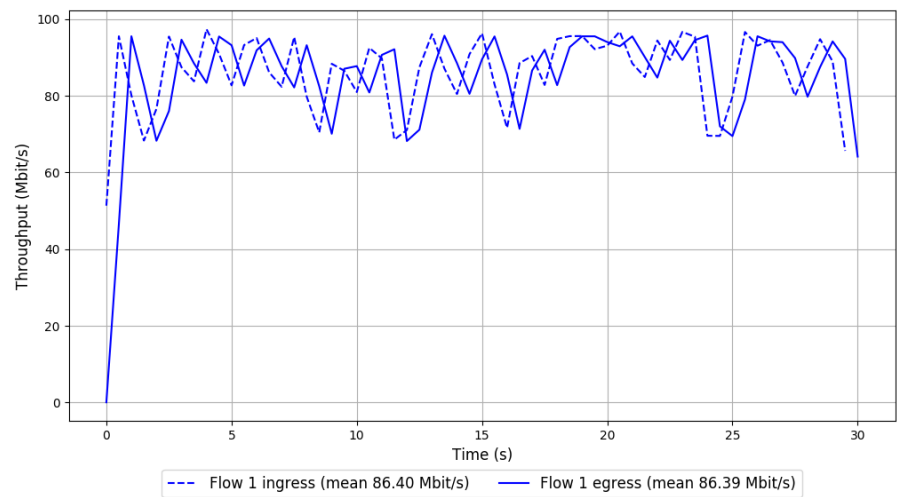


Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 02:33:22
End at: 2018-07-18 02:33:52
Local clock offset: -0.824 ms
Remote clock offset: -2.872 ms

Below is generated by plot.py at 2018-07-18 04:50:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 24.845 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 24.845 ms
Loss rate: 0.09%

Run 5: Report of PCC-Expr — Data Link

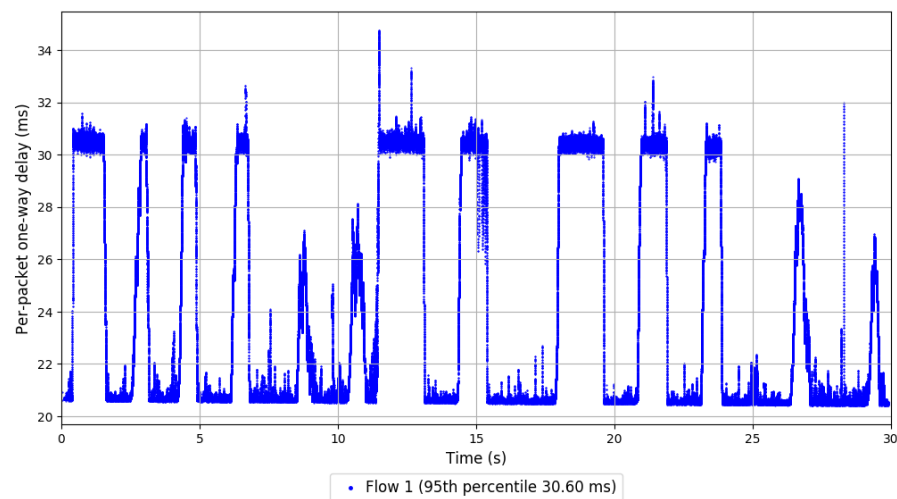
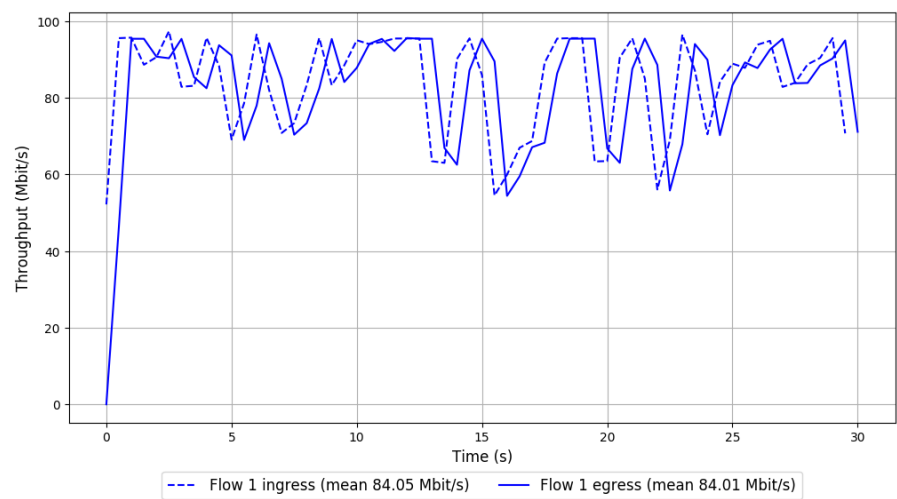


Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 02:54:08
End at: 2018-07-18 02:54:38
Local clock offset: 4.392 ms
Remote clock offset: -4.964 ms

Below is generated by plot.py at 2018-07-18 04:50:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.13%

Run 6: Report of PCC-Expr — Data Link

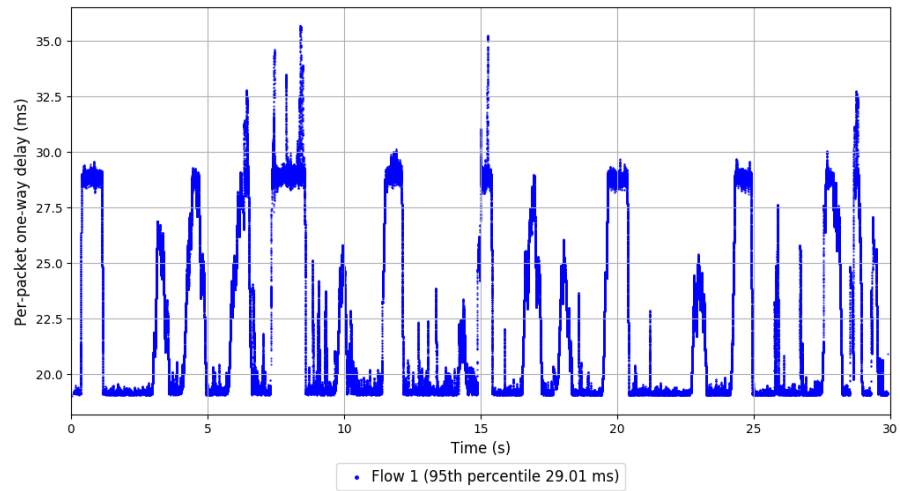
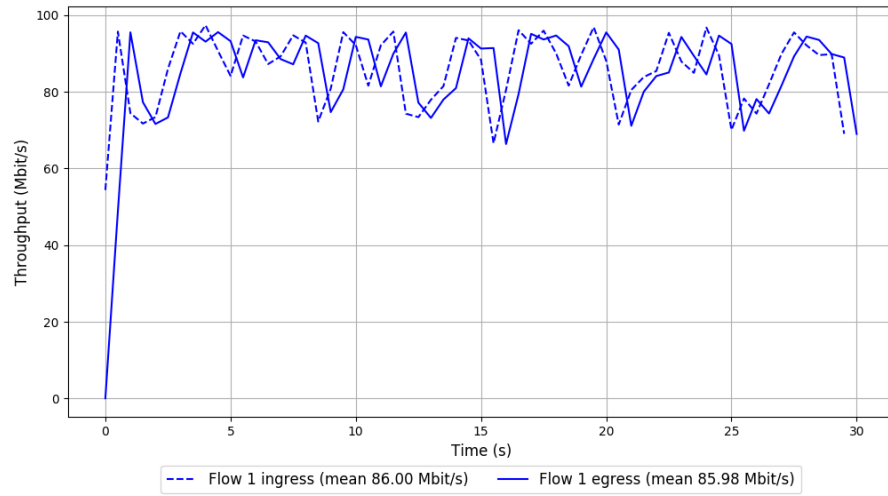


Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 03:15:00
End at: 2018-07-18 03:15:30
Local clock offset: 1.469 ms
Remote clock offset: -8.159 ms

Below is generated by plot.py at 2018-07-18 04:50:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 29.009 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 29.009 ms
Loss rate: 0.10%

Run 7: Report of PCC-Expr — Data Link

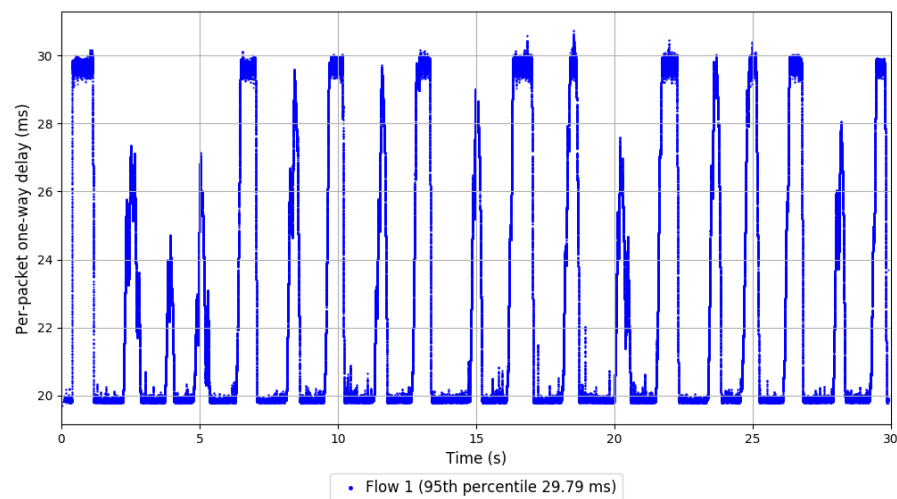
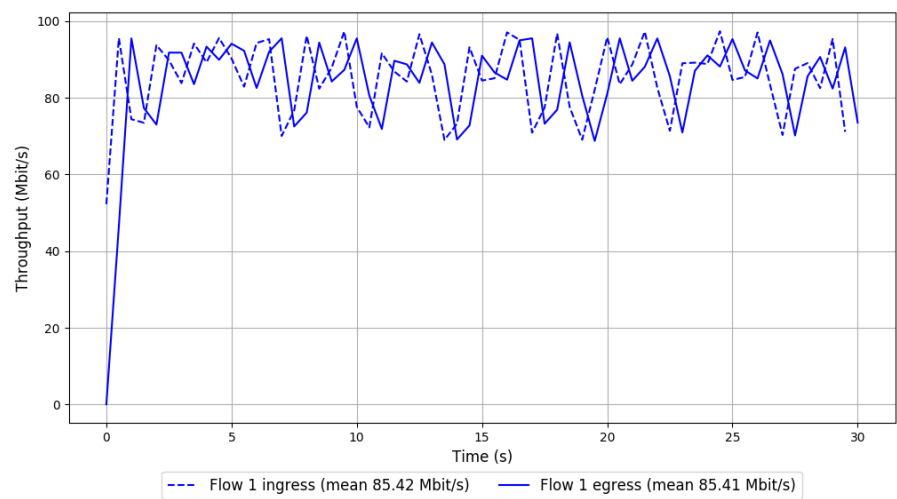


Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 03:35:19
End at: 2018-07-18 03:35:49
Local clock offset: 2.321 ms
Remote clock offset: -7.345 ms

Below is generated by plot.py at 2018-07-18 04:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 29.792 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 29.792 ms
Loss rate: 0.08%

Run 8: Report of PCC-Expr — Data Link

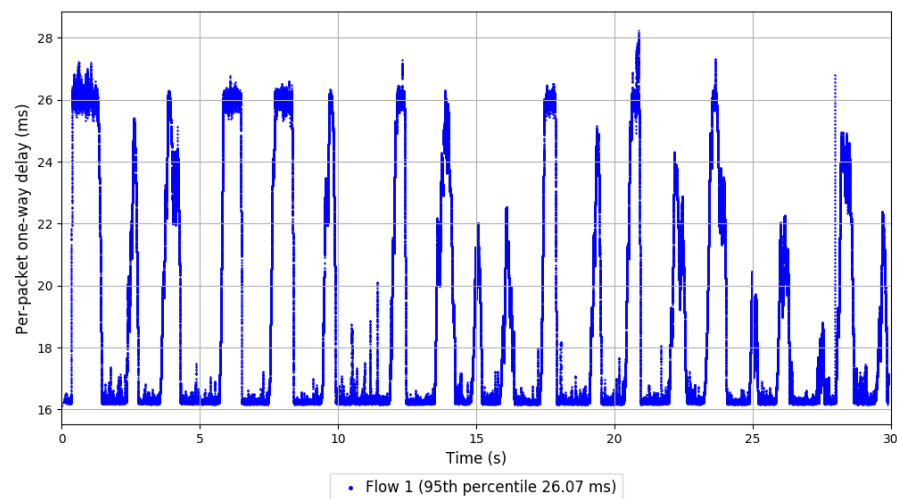
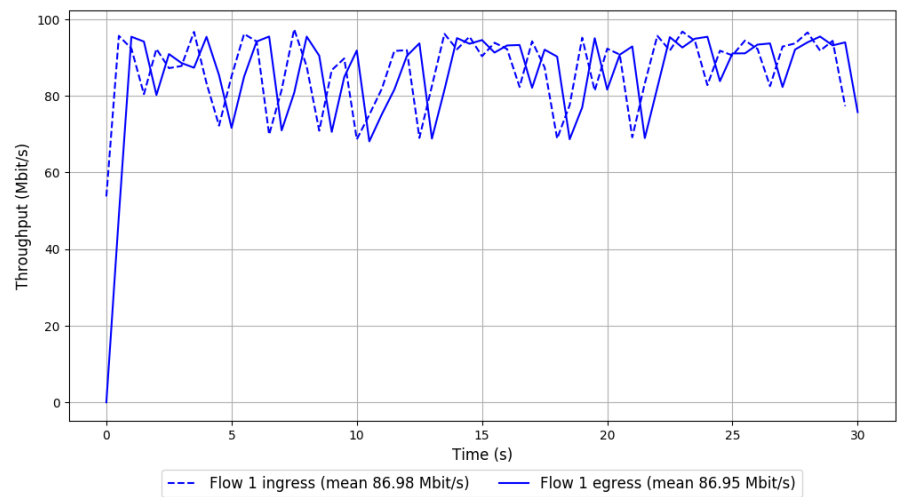


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 03:55:45
End at: 2018-07-18 03:56:15
Local clock offset: -0.001 ms
Remote clock offset: -6.066 ms

Below is generated by plot.py at 2018-07-18 04:51:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 26.072 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 26.072 ms
Loss rate: 0.13%

Run 9: Report of PCC-Expr — Data Link

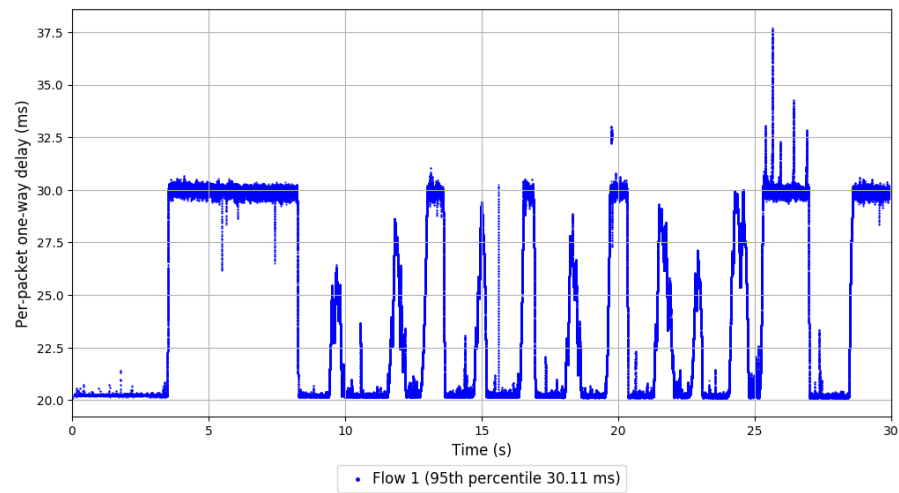
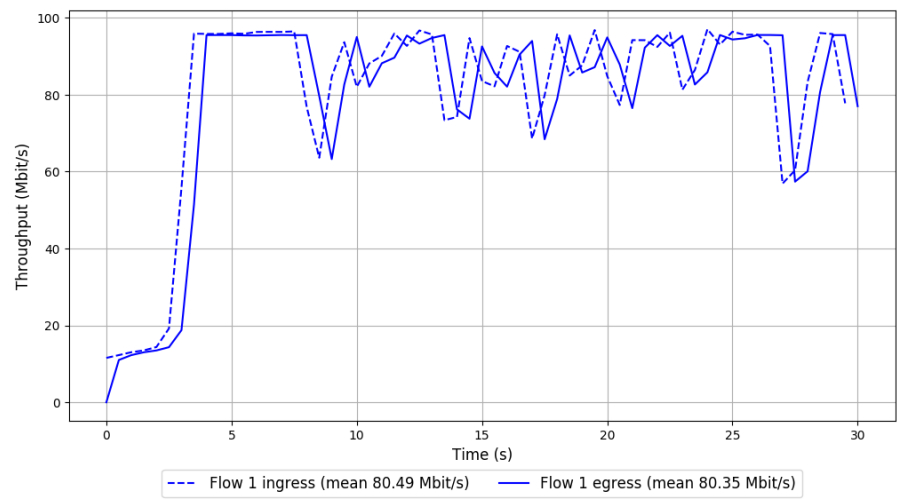


Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 04:16:07
End at: 2018-07-18 04:16:37
Local clock offset: 4.185 ms
Remote clock offset: -11.151 ms

Below is generated by plot.py at 2018-07-18 04:51:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 0.27%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 01:21:27

End at: 2018-07-18 01:21:57

Local clock offset: -0.355 ms

Remote clock offset: -8.19 ms

Below is generated by plot.py at 2018-07-18 04:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 23.960 ms

Loss rate: 0.11%

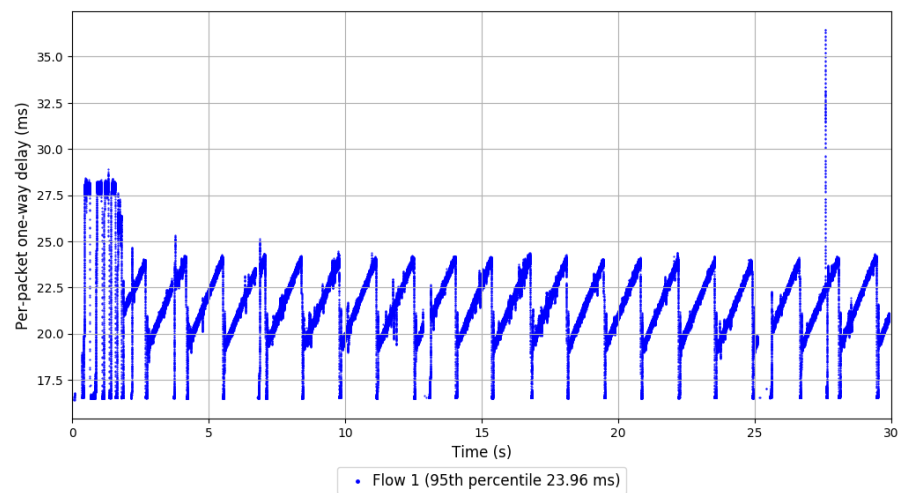
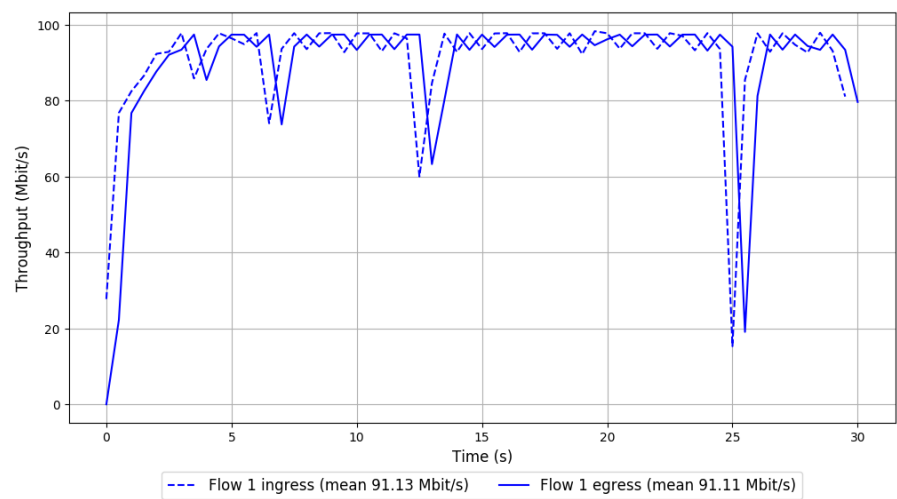
-- Flow 1:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 23.960 ms

Loss rate: 0.11%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 01:41:33

End at: 2018-07-18 01:42:03

Local clock offset: -1.129 ms

Remote clock offset: -7.632 ms

Below is generated by plot.py at 2018-07-18 04:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 23.017 ms

Loss rate: 0.12%

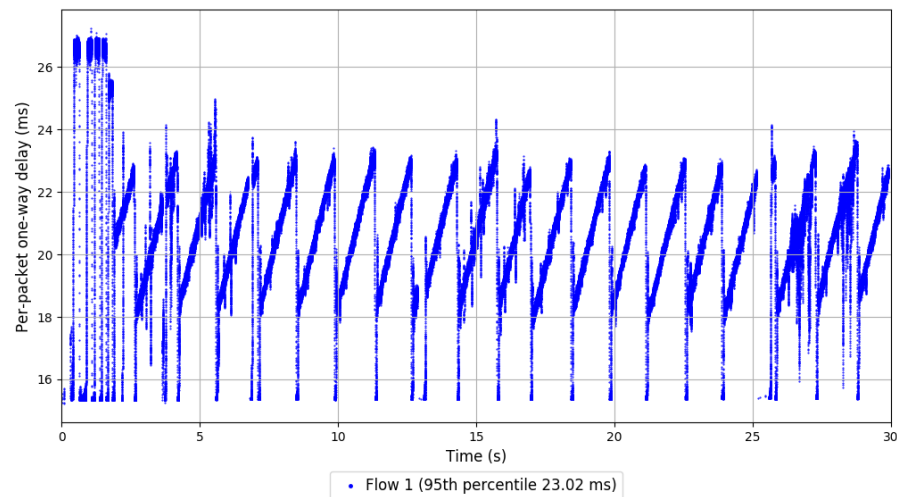
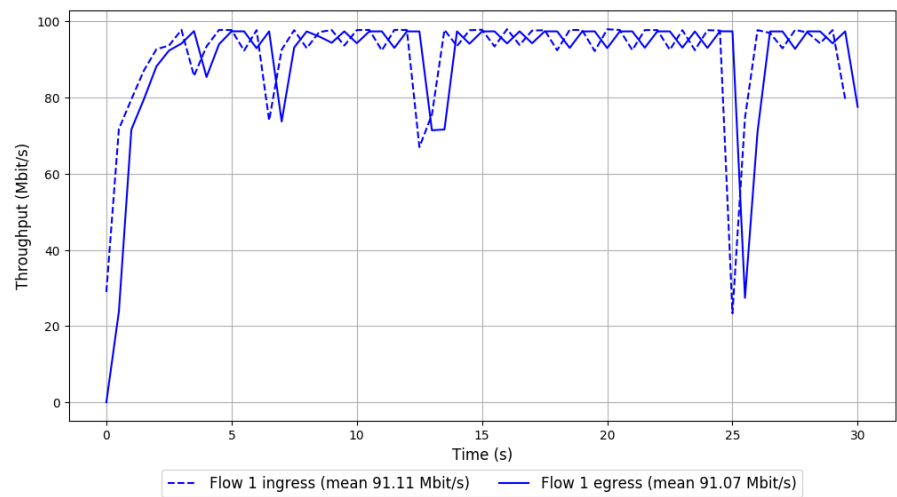
-- Flow 1:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 23.017 ms

Loss rate: 0.12%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 02:02:13

End at: 2018-07-18 02:02:43

Local clock offset: 2.74 ms

Remote clock offset: -6.399 ms

Below is generated by plot.py at 2018-07-18 04:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 27.304 ms

Loss rate: 0.11%

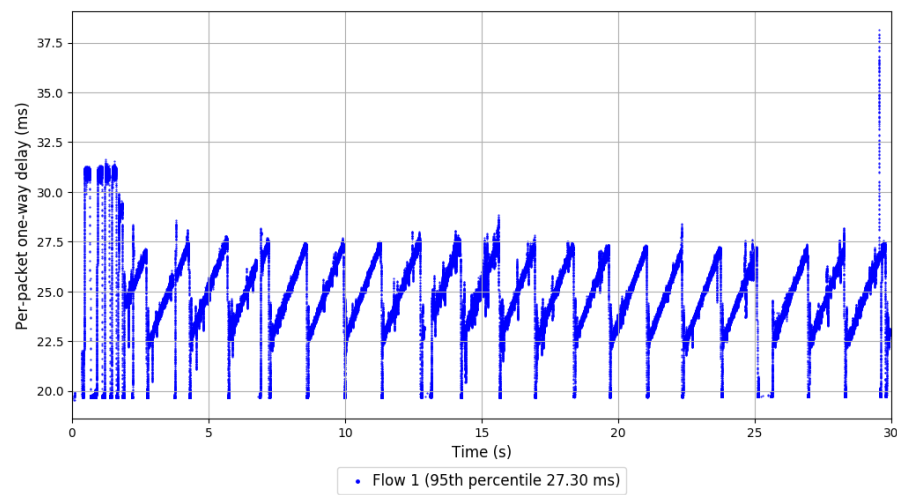
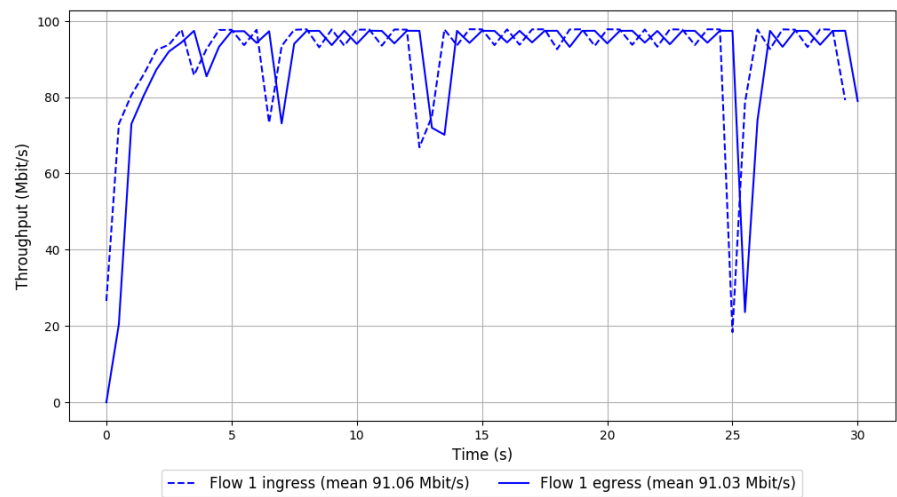
-- Flow 1:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 27.304 ms

Loss rate: 0.11%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 02:22:38

End at: 2018-07-18 02:23:08

Local clock offset: 3.111 ms

Remote clock offset: -4.257 ms

Below is generated by plot.py at 2018-07-18 04:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 27.628 ms

Loss rate: 0.13%

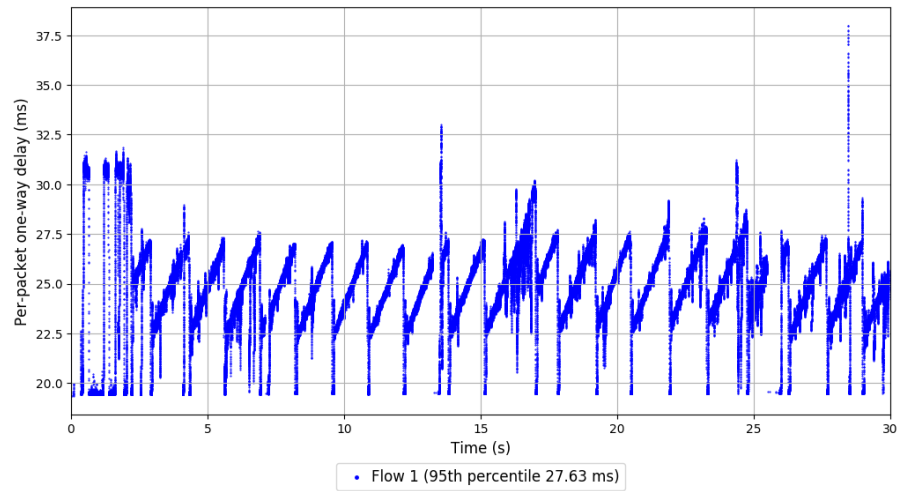
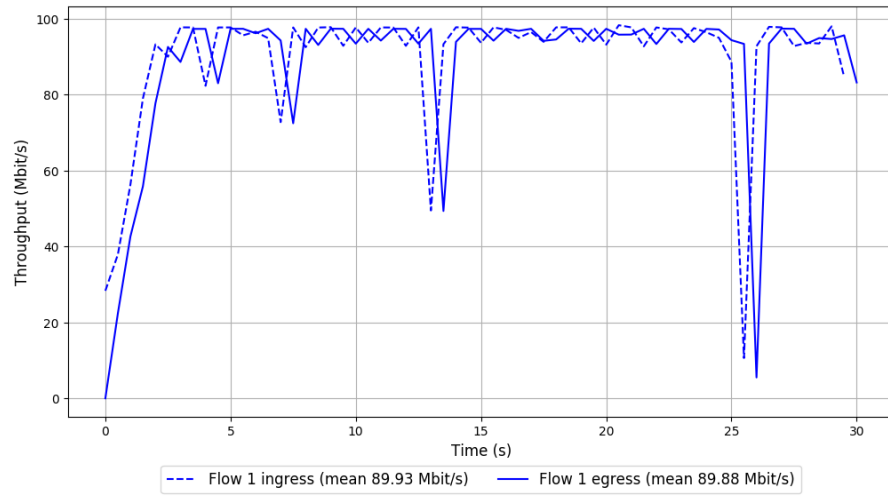
-- Flow 1:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 27.628 ms

Loss rate: 0.13%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 02:43:15

End at: 2018-07-18 02:43:45

Local clock offset: -0.175 ms

Remote clock offset: -2.89 ms

Below is generated by plot.py at 2018-07-18 04:51:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 24.537 ms

Loss rate: 0.12%

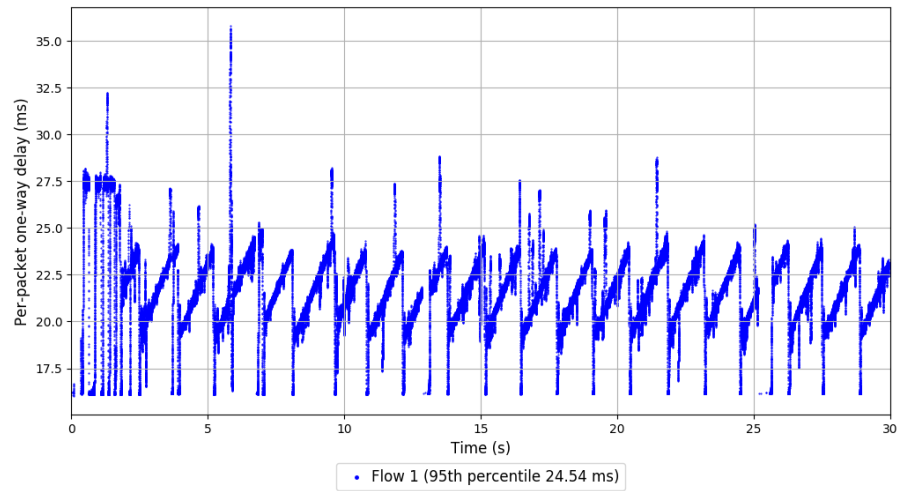
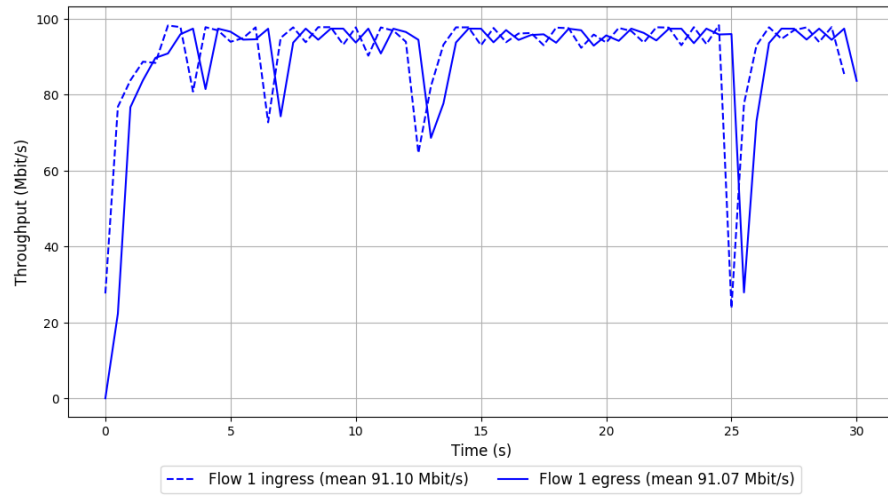
-- Flow 1:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 24.537 ms

Loss rate: 0.12%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 03:04:04

End at: 2018-07-18 03:04:34

Local clock offset: -0.154 ms

Remote clock offset: -6.128 ms

Below is generated by plot.py at 2018-07-18 04:52:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 23.744 ms

Loss rate: 0.11%

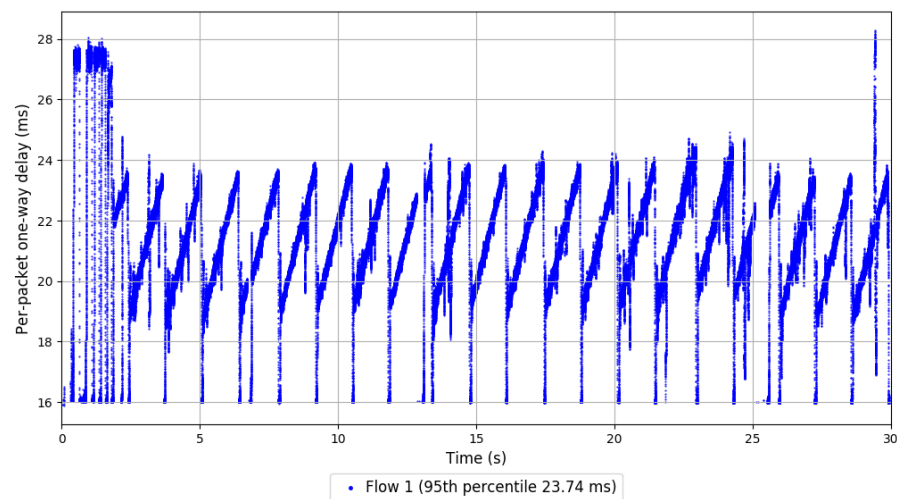
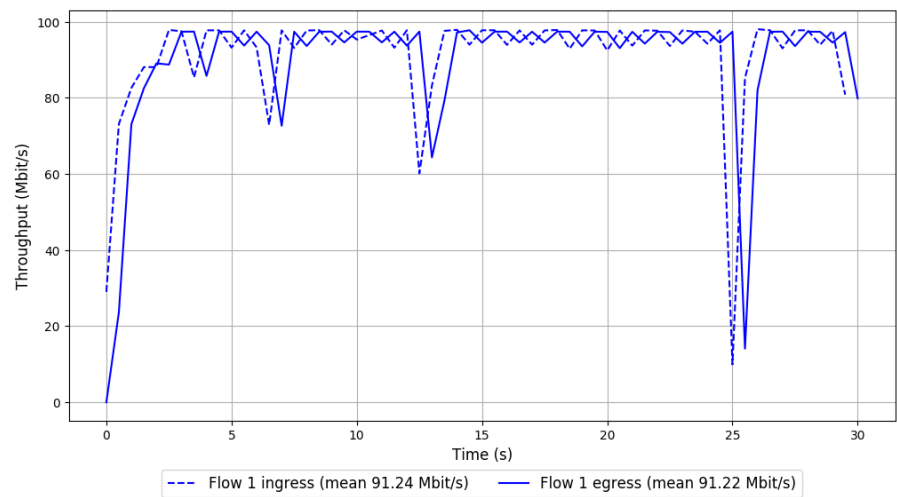
-- Flow 1:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 23.744 ms

Loss rate: 0.11%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 03:24:37

End at: 2018-07-18 03:25:07

Local clock offset: -0.272 ms

Remote clock offset: -7.8 ms

Below is generated by plot.py at 2018-07-18 04:52:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 24.795 ms

Loss rate: 0.12%

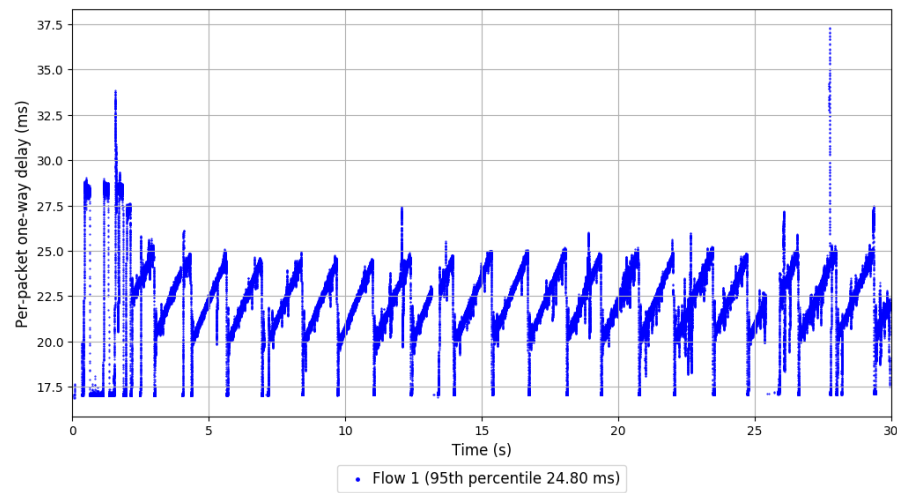
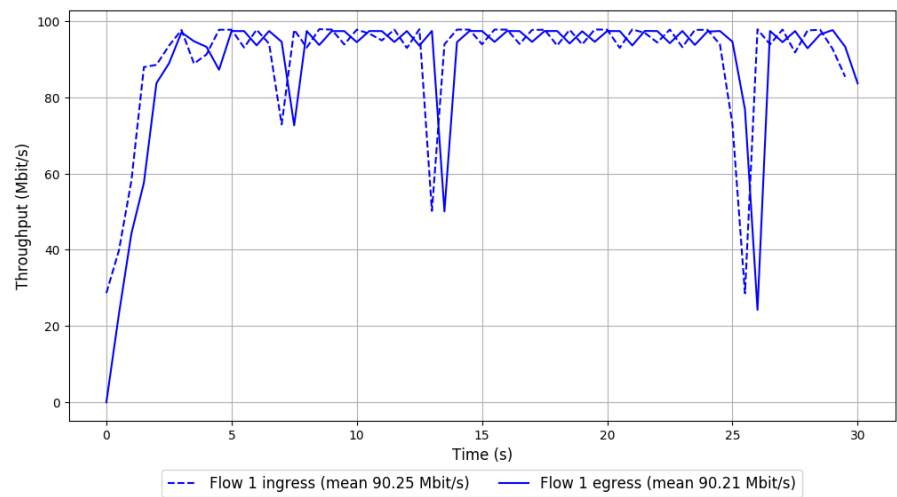
-- Flow 1:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 24.795 ms

Loss rate: 0.12%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 03:45:07

End at: 2018-07-18 03:45:37

Local clock offset: 0.476 ms

Remote clock offset: -6.857 ms

Below is generated by plot.py at 2018-07-18 04:52:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 25.342 ms

Loss rate: 0.06%

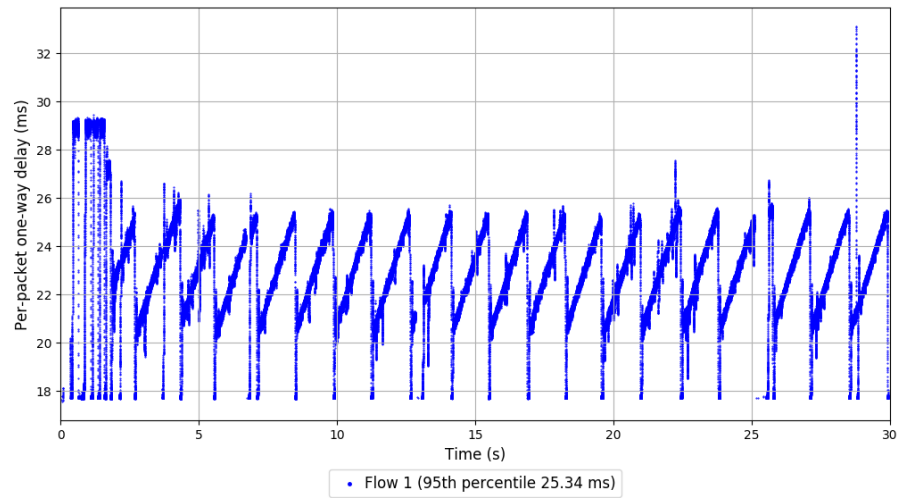
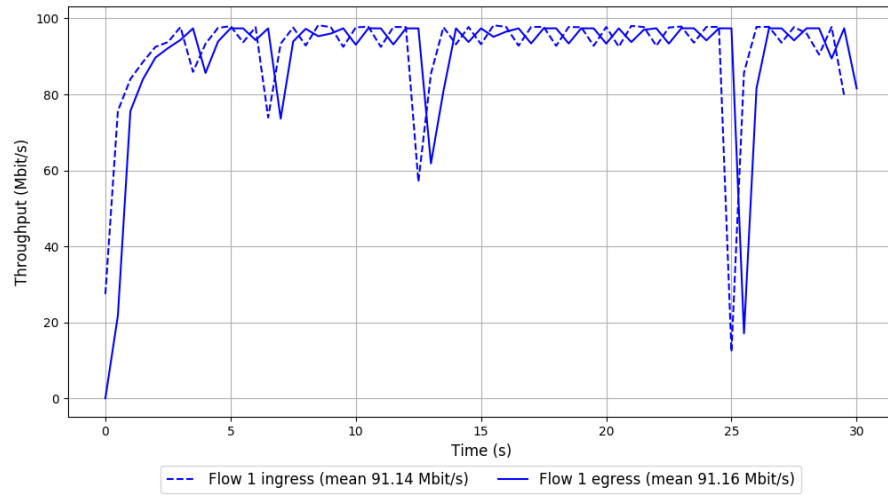
-- Flow 1:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 25.342 ms

Loss rate: 0.06%

Run 8: Report of QUIC Cubic — Data Link

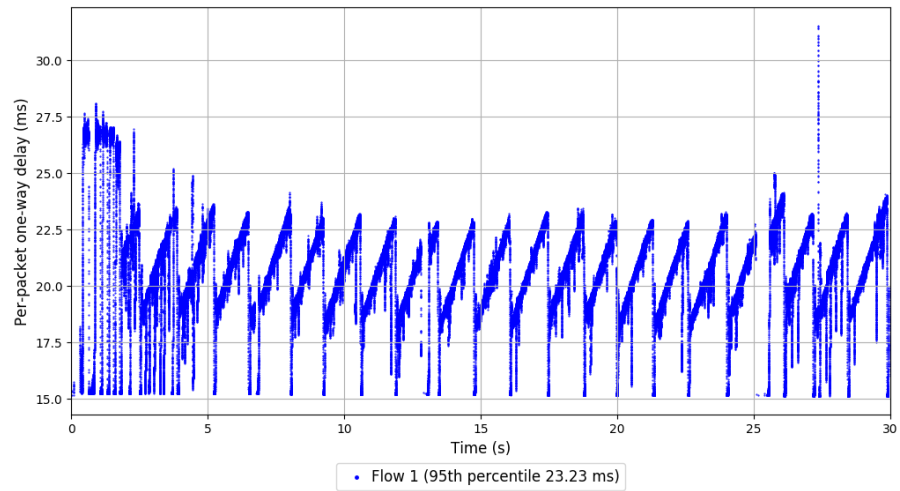
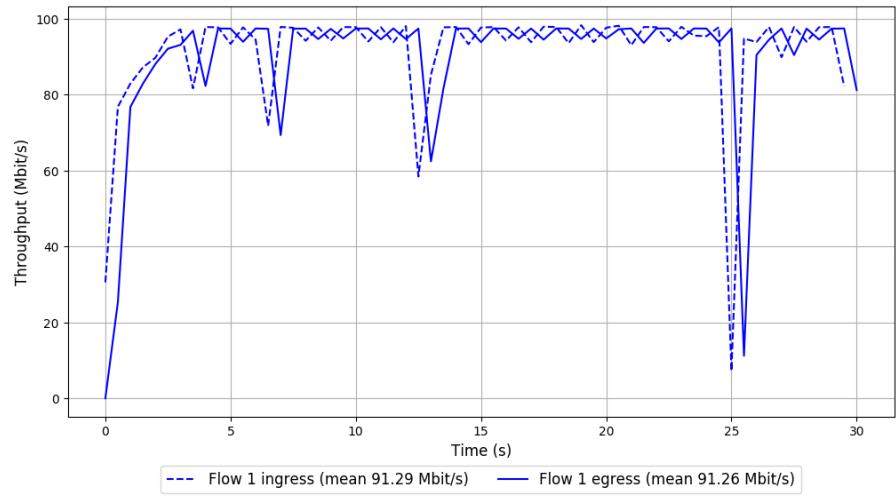


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 04:05:30
End at: 2018-07-18 04:06:00
Local clock offset: -2.149 ms
Remote clock offset: -10.573 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 23.231 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 23.231 ms
Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 04:25:35

End at: 2018-07-18 04:26:05

Local clock offset: 1.654 ms

Remote clock offset: -12.41 ms

Below is generated by plot.py at 2018-07-18 04:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.10 Mbit/s

95th percentile per-packet one-way delay: 26.256 ms

Loss rate: 0.12%

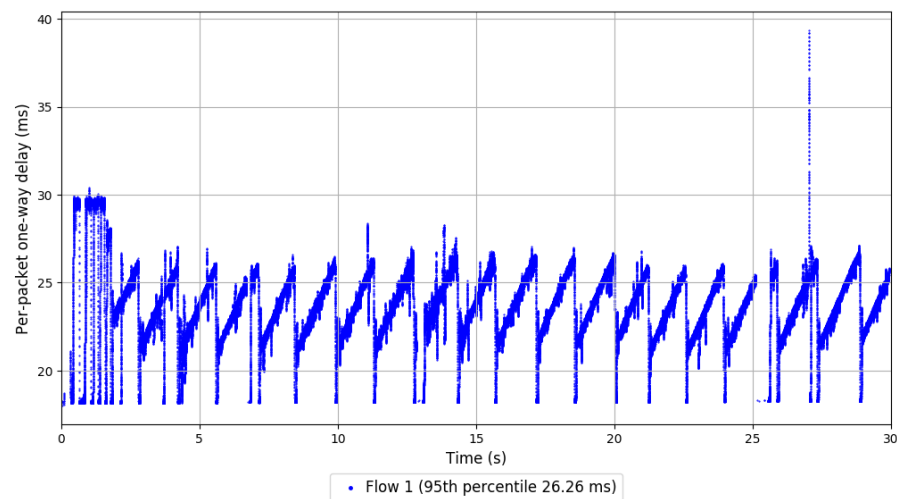
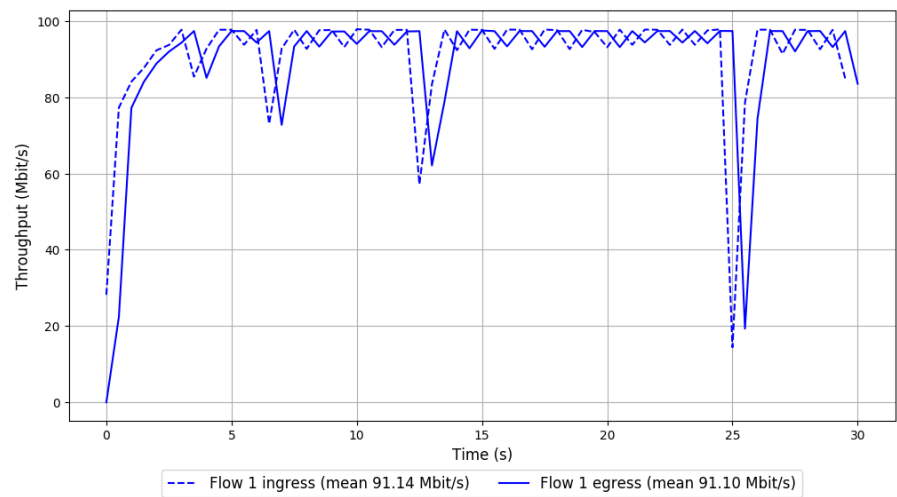
-- Flow 1:

Average throughput: 91.10 Mbit/s

95th percentile per-packet one-way delay: 26.256 ms

Loss rate: 0.12%

Run 10: Report of QUIC Cubic — Data Link

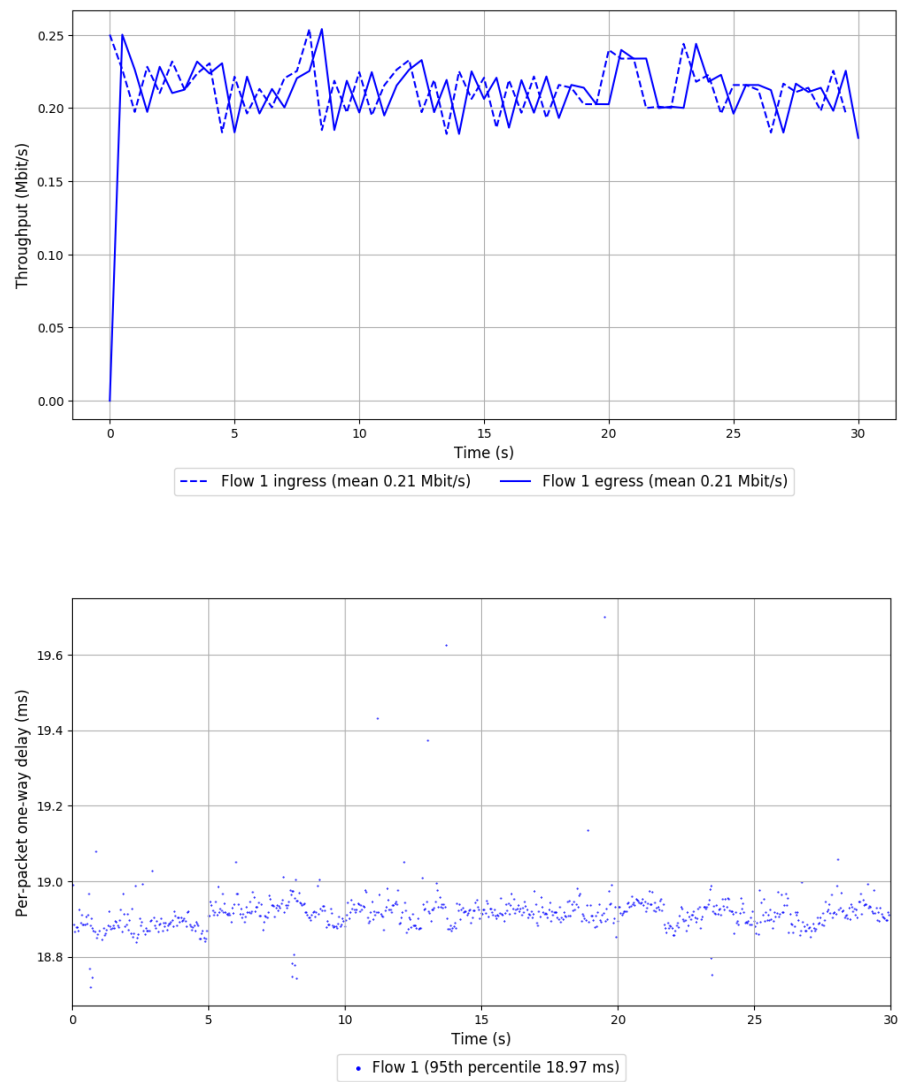


Run 1: Statistics of SCReAM

Start at: 2018-07-18 01:17:58
End at: 2018-07-18 01:18:28
Local clock offset: 1.559 ms
Remote clock offset: -8.644 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-18 01:38:04

End at: 2018-07-18 01:38:34

Local clock offset: 0.282 ms

Remote clock offset: -7.53 ms

Below is generated by plot.py at 2018-07-18 04:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.652 ms

Loss rate: 0.13%

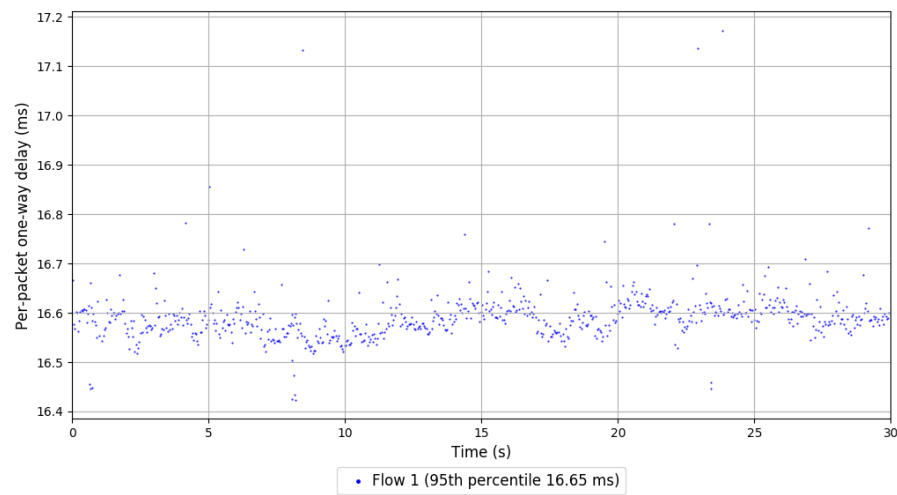
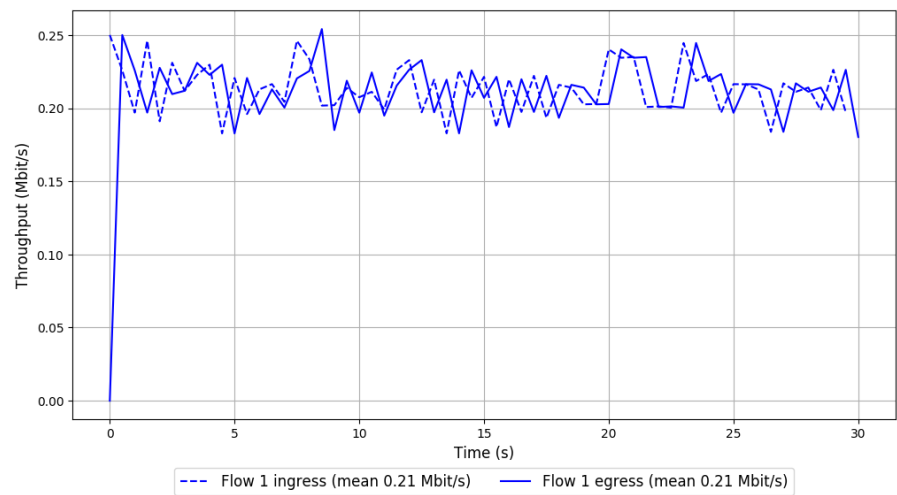
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.652 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

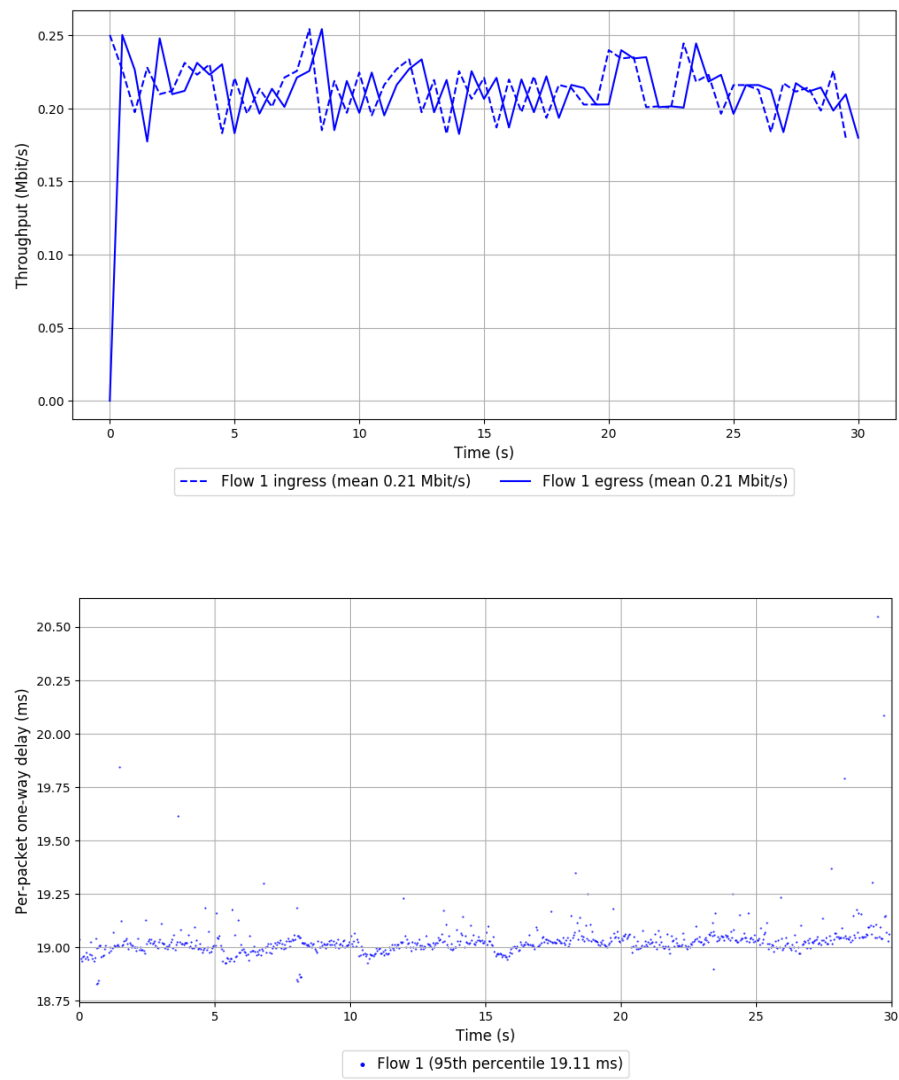


Run 3: Statistics of SCReAM

Start at: 2018-07-18 01:58:41
End at: 2018-07-18 01:59:11
Local clock offset: 2.743 ms
Remote clock offset: -6.015 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

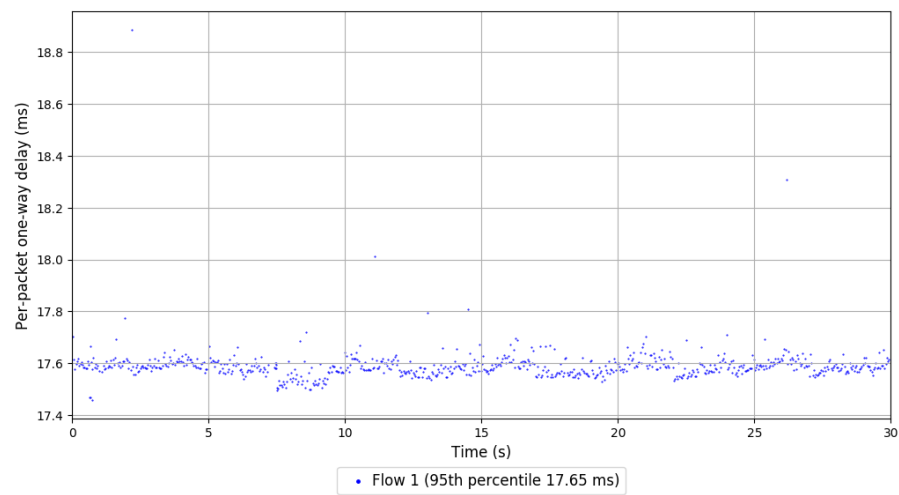
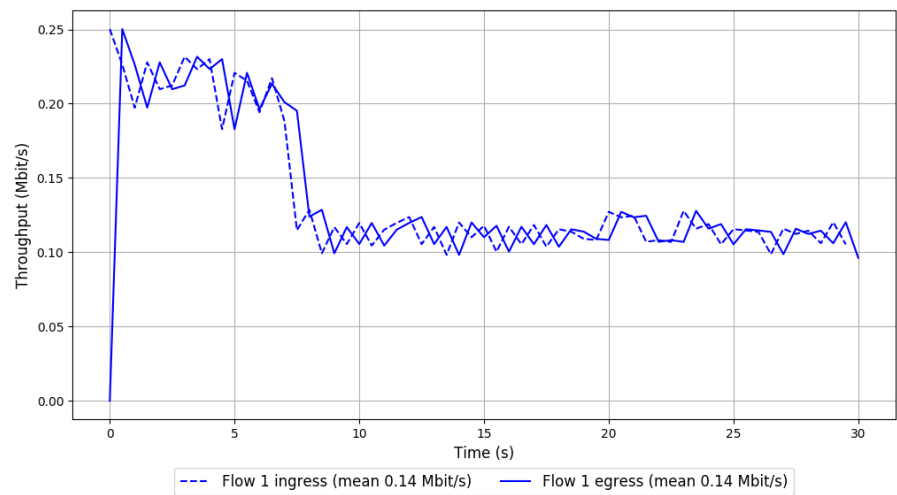


Run 4: Statistics of SCReAM

Start at: 2018-07-18 02:19:10
End at: 2018-07-18 02:19:40
Local clock offset: 1.227 ms
Remote clock offset: -4.613 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 17.651 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 17.651 ms
Loss rate: 0.11%

Run 4: Report of SReAM — Data Link

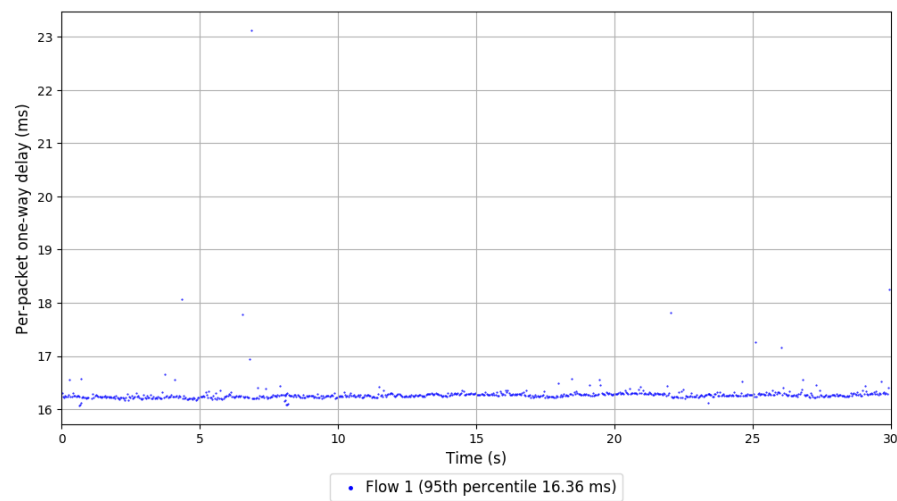
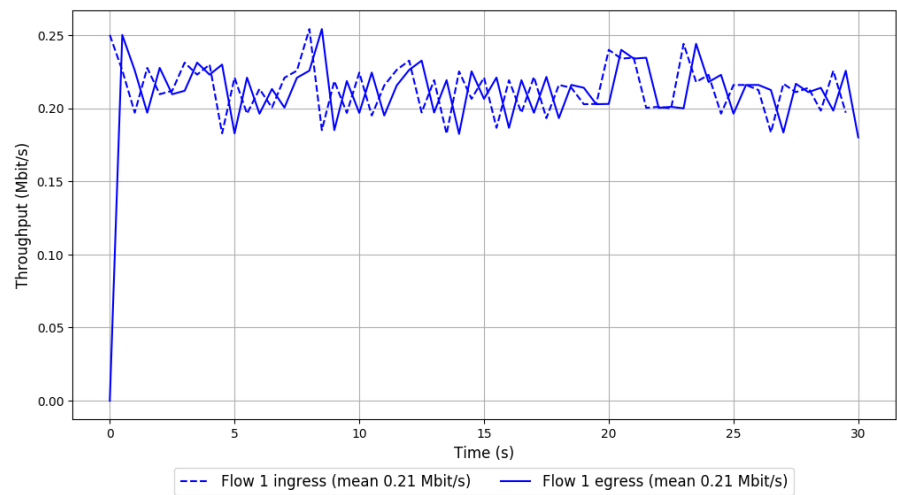


Run 5: Statistics of SCReAM

Start at: 2018-07-18 02:39:45
End at: 2018-07-18 02:40:15
Local clock offset: -0.311 ms
Remote clock offset: -3.262 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.357 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.357 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

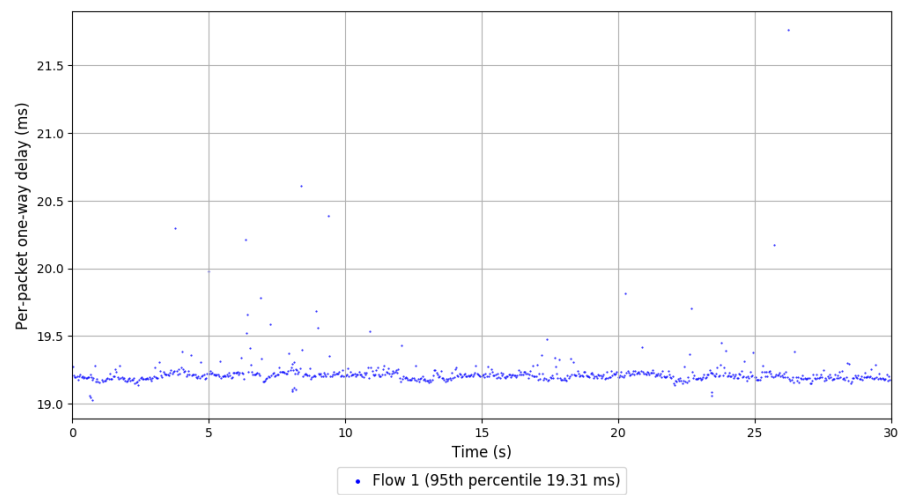
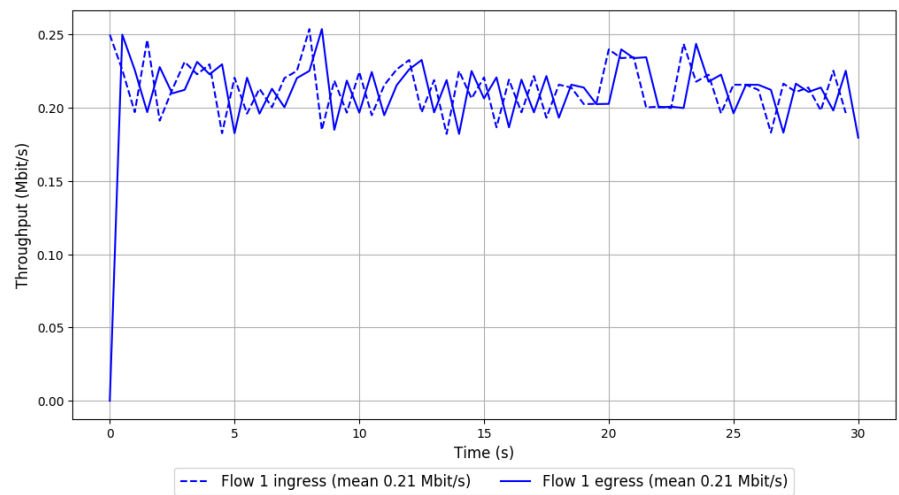


Run 6: Statistics of SCReAM

Start at: 2018-07-18 03:00:34
End at: 2018-07-18 03:01:04
Local clock offset: 3.348 ms
Remote clock offset: -5.565 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

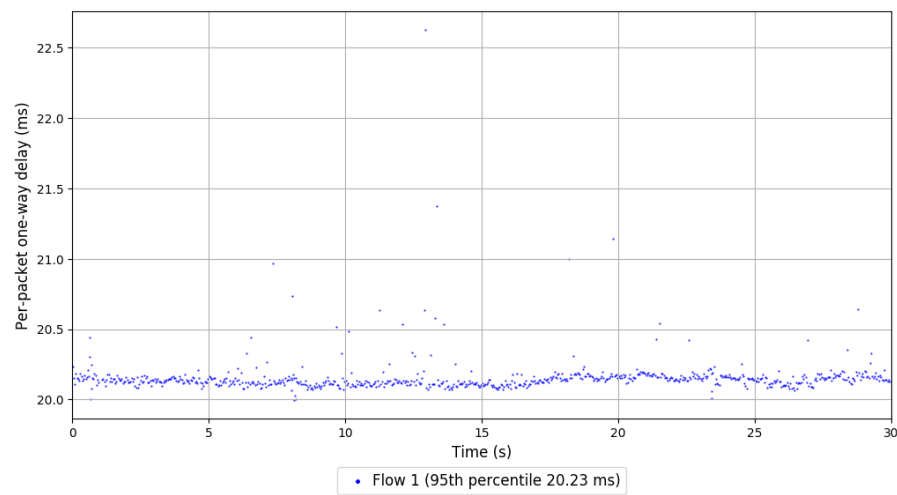
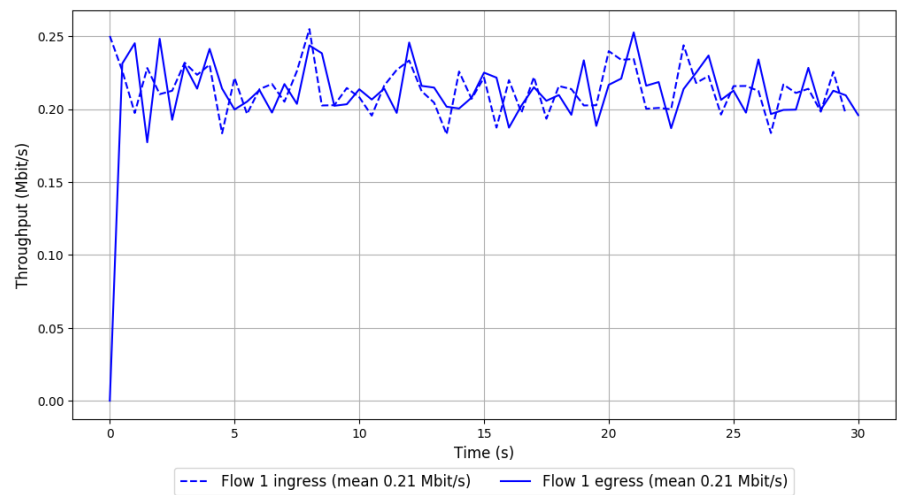


Run 7: Statistics of SCReAM

Start at: 2018-07-18 03:21:08
End at: 2018-07-18 03:21:38
Local clock offset: 2.313 ms
Remote clock offset: -8.572 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.232 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.232 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

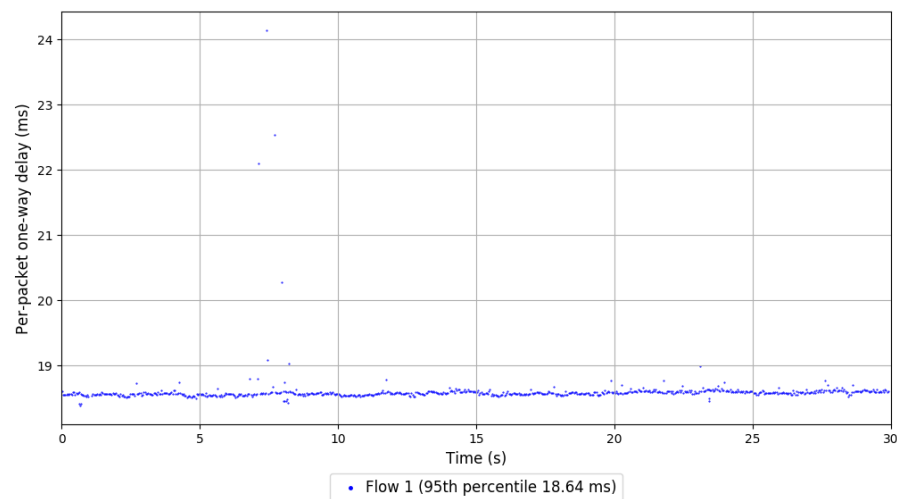
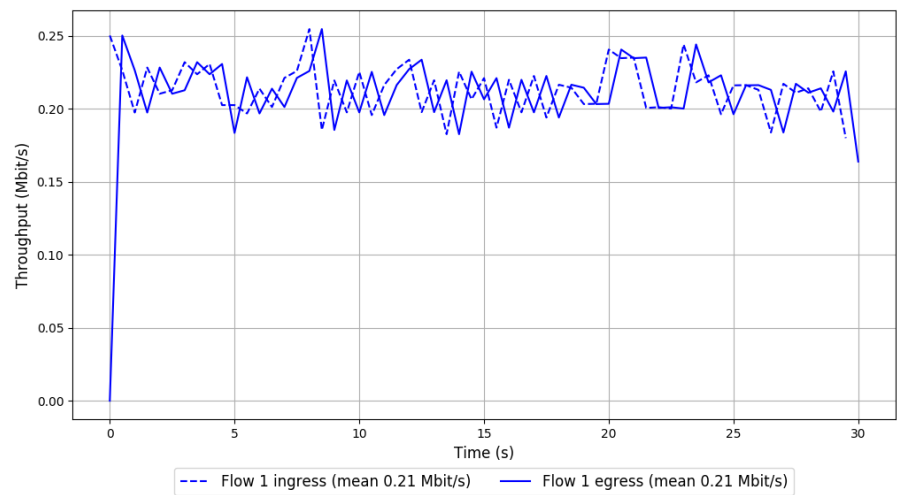


Run 8: Statistics of SCReAM

Start at: 2018-07-18 03:41:38
End at: 2018-07-18 03:42:08
Local clock offset: 2.698 ms
Remote clock offset: -5.502 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.637 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.637 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

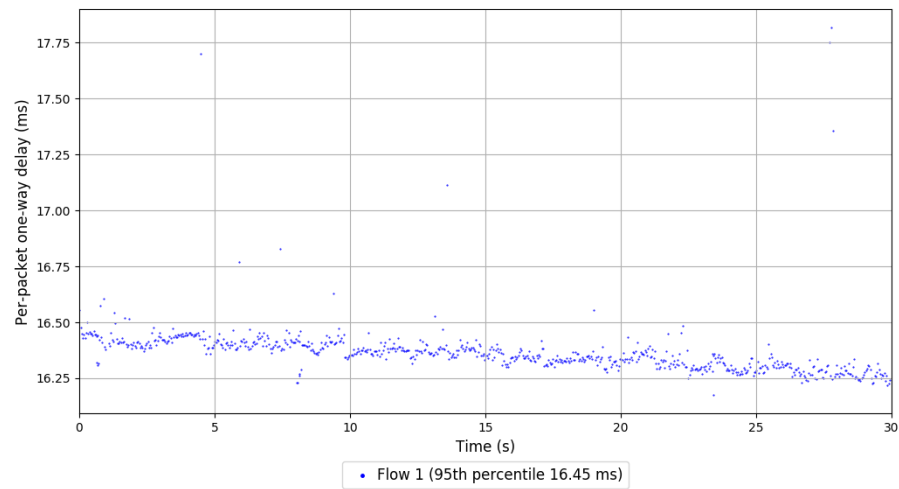
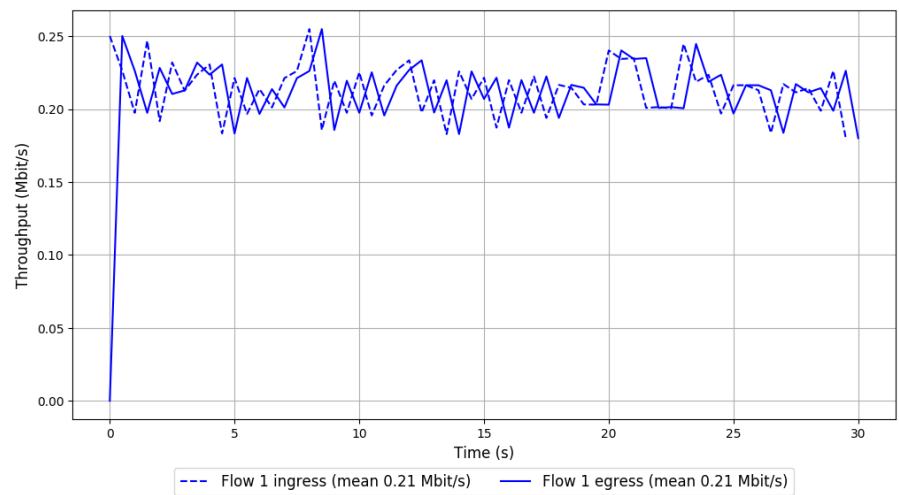


Run 9: Statistics of SCReAM

Start at: 2018-07-18 04:01:58
End at: 2018-07-18 04:02:28
Local clock offset: 0.404 ms
Remote clock offset: -8.088 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.452 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

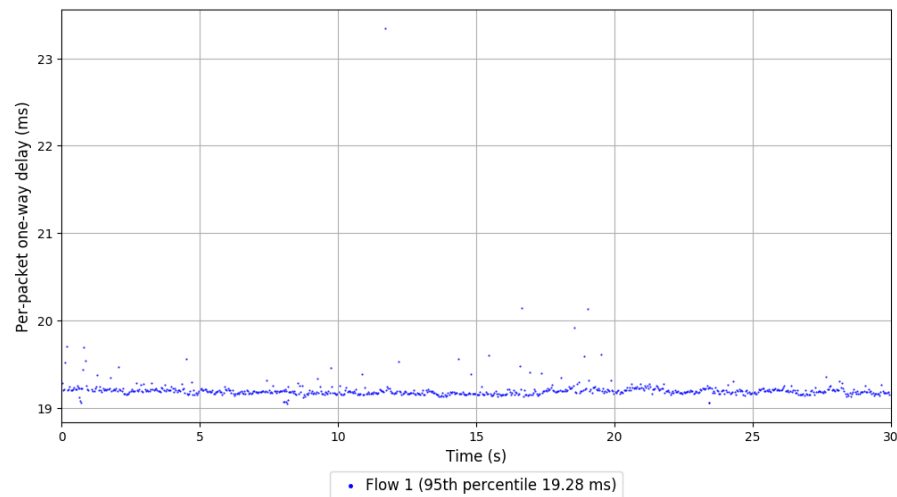
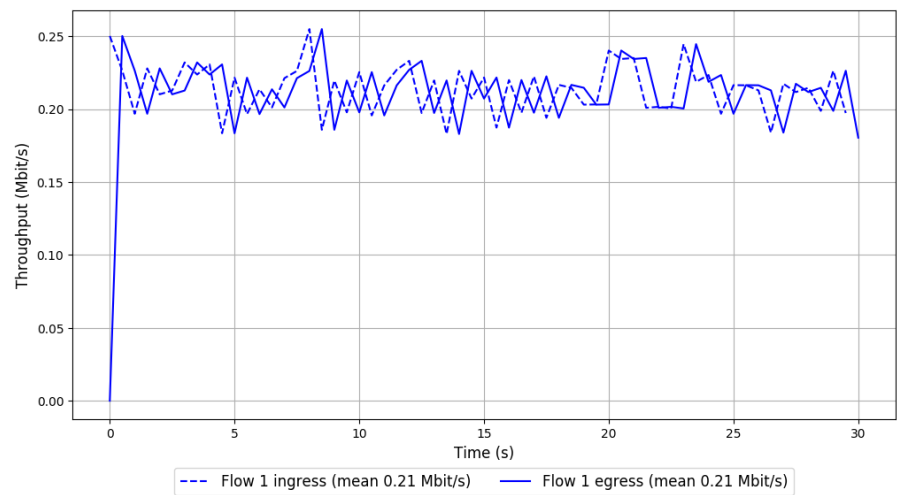


Run 10: Statistics of SReAM

Start at: 2018-07-18 04:22:05
End at: 2018-07-18 04:22:35
Local clock offset: 2.546 ms
Remote clock offset: -12.408 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.283 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.283 ms
Loss rate: 0.13%

Run 10: Report of SCReAM — Data Link

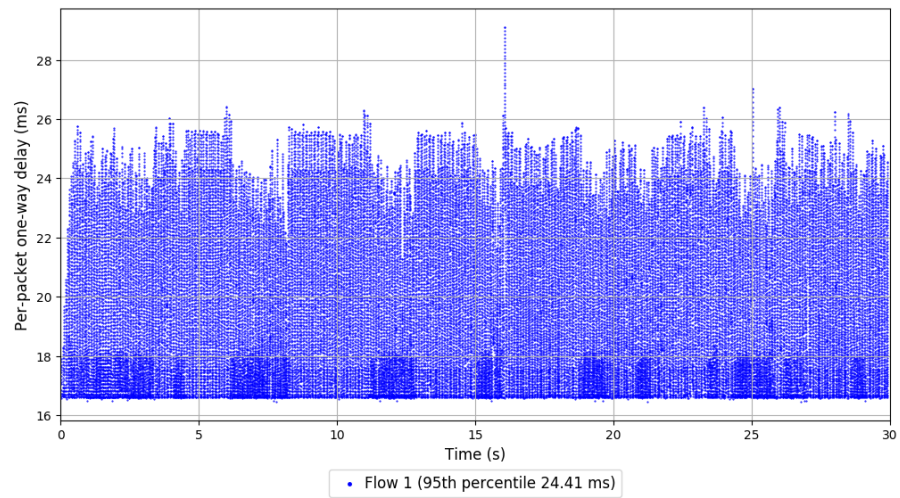
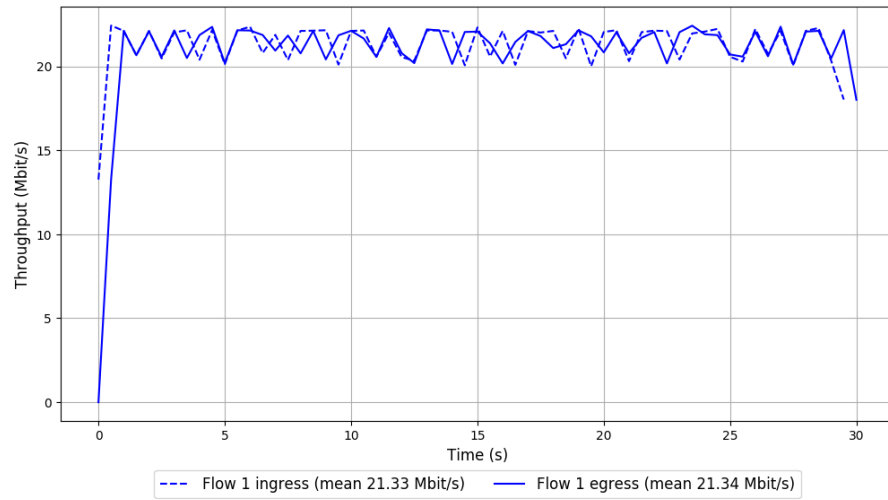


Run 1: Statistics of Sprout

Start at: 2018-07-18 01:23:47
End at: 2018-07-18 01:24:17
Local clock offset: -0.075 ms
Remote clock offset: -7.933 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 24.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 24.411 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

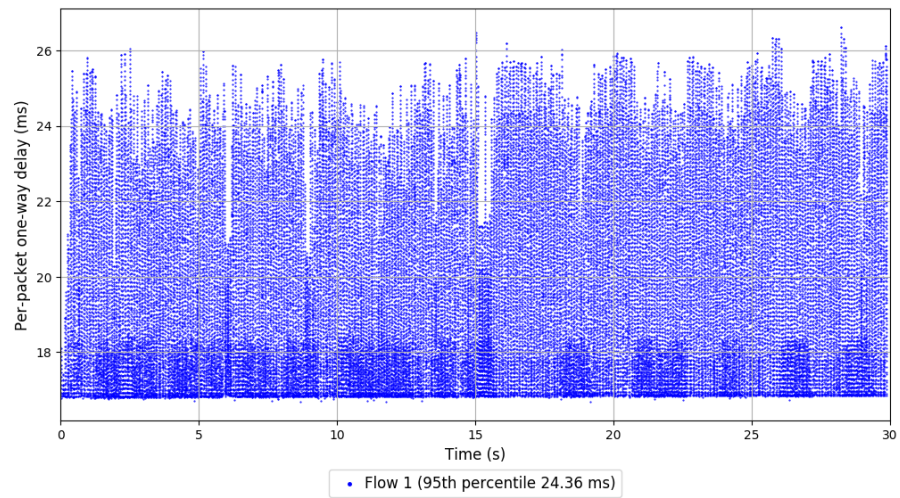
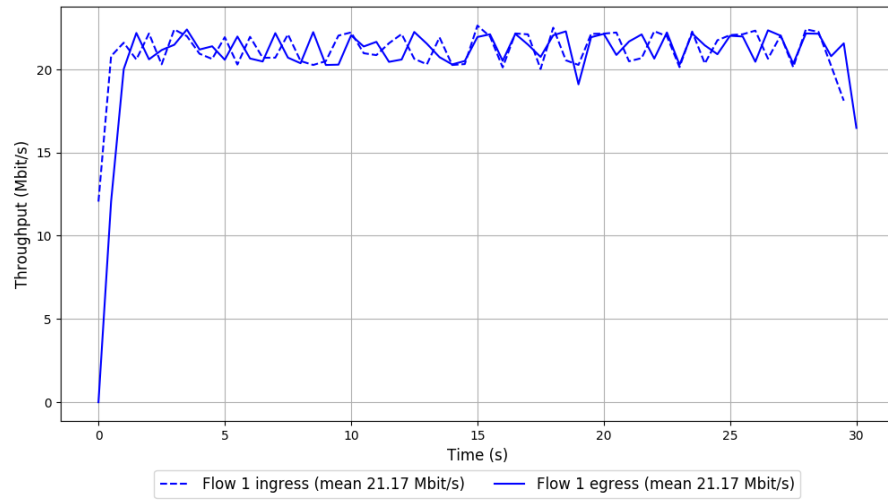


Run 2: Statistics of Sprout

Start at: 2018-07-18 01:44:06
End at: 2018-07-18 01:44:36
Local clock offset: 0.7 ms
Remote clock offset: -7.013 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 24.357 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 24.357 ms
Loss rate: 0.16%

Run 2: Report of Sprout — Data Link

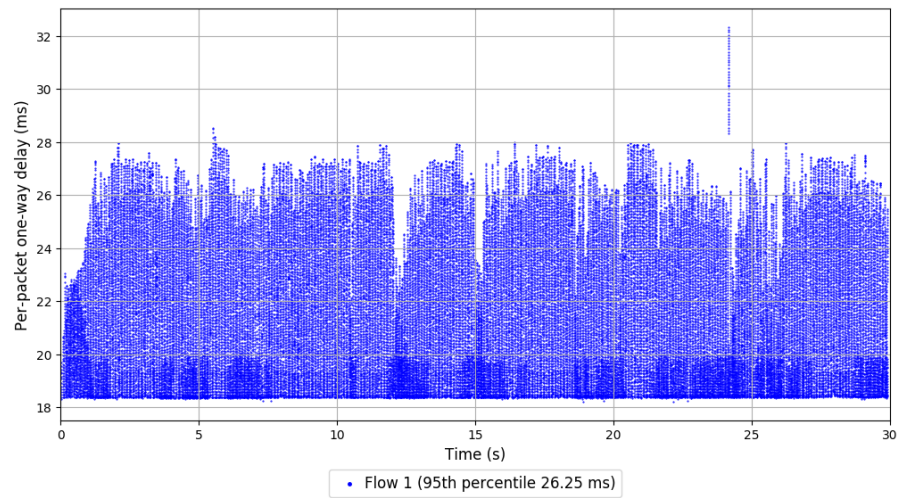
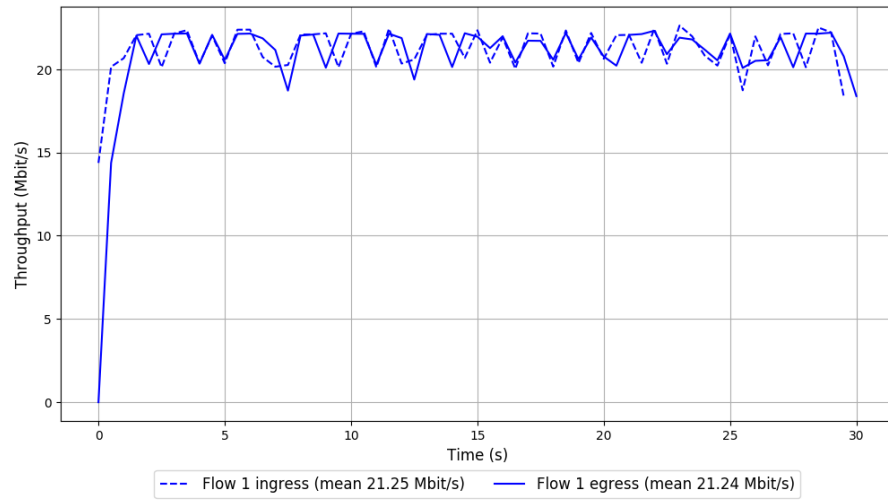


Run 3: Statistics of Sprout

Start at: 2018-07-18 02:04:41
End at: 2018-07-18 02:05:11
Local clock offset: 1.307 ms
Remote clock offset: -6.359 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 26.252 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 26.252 ms
Loss rate: 0.14%

Run 3: Report of Sprout — Data Link

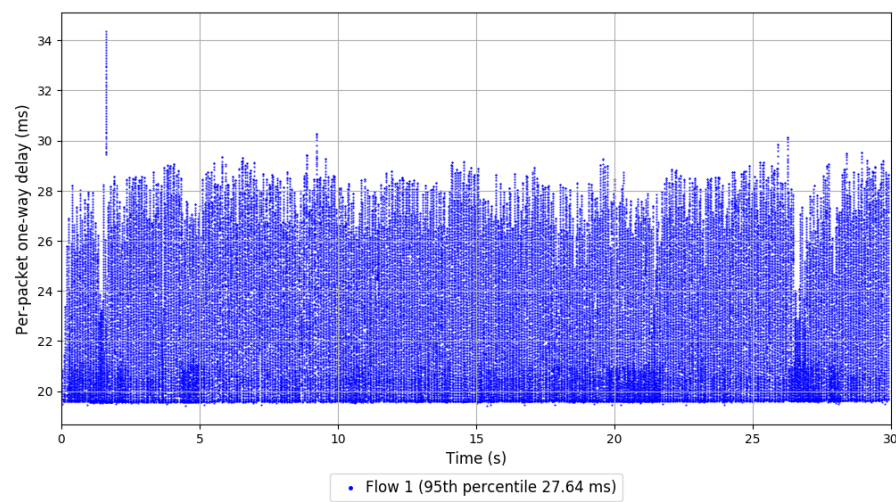
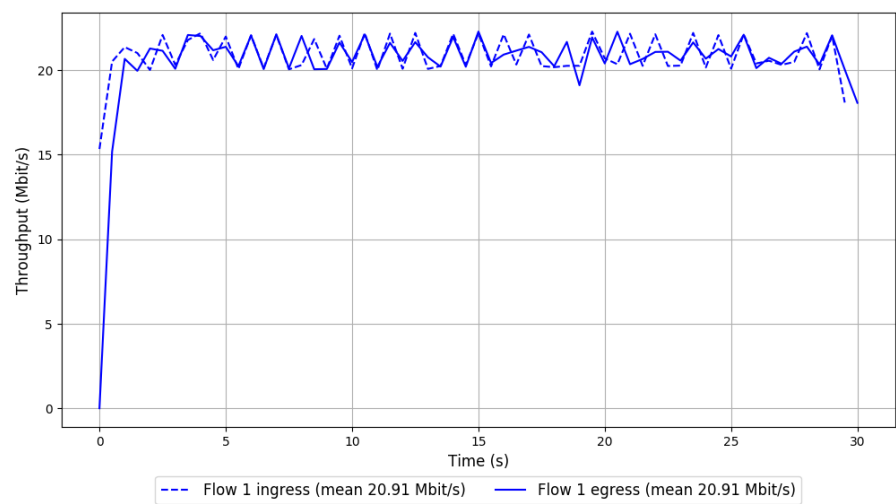


Run 4: Statistics of Sprout

Start at: 2018-07-18 02:25:06
End at: 2018-07-18 02:25:36
Local clock offset: 3.006 ms
Remote clock offset: -4.226 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 27.638 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 27.638 ms
Loss rate: 0.16%

Run 4: Report of Sprout — Data Link

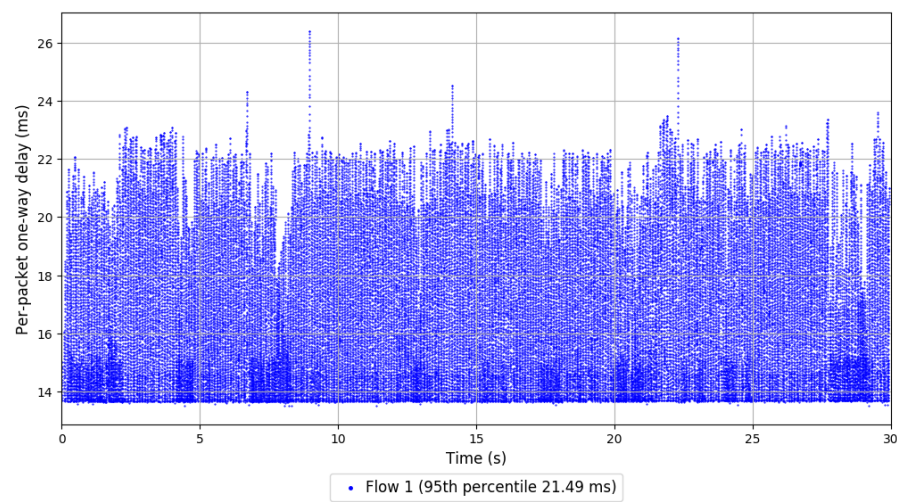
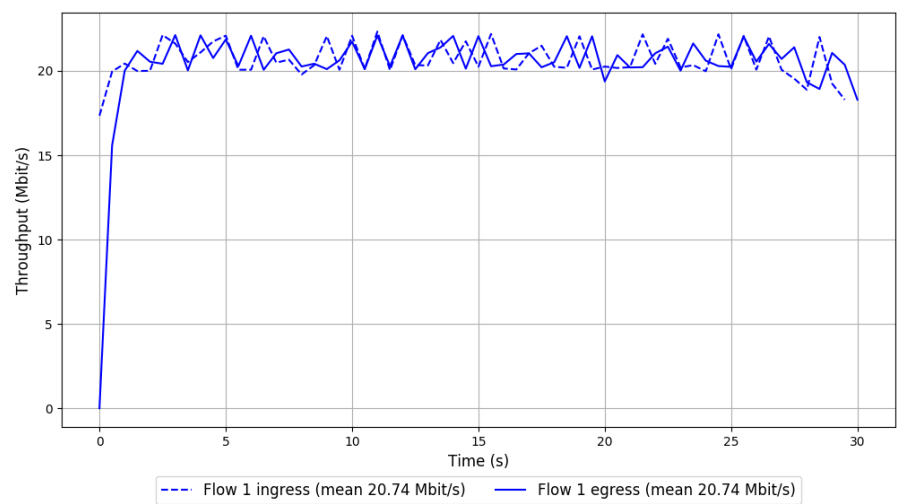


Run 5: Statistics of Sprout

Start at: 2018-07-18 02:45:46
End at: 2018-07-18 02:46:16
Local clock offset: -2.408 ms
Remote clock offset: -2.504 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 21.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 21.493 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

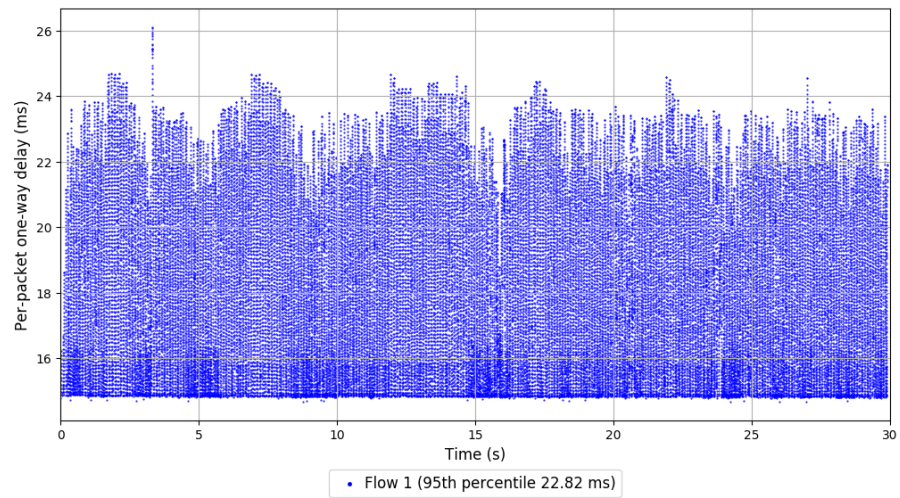
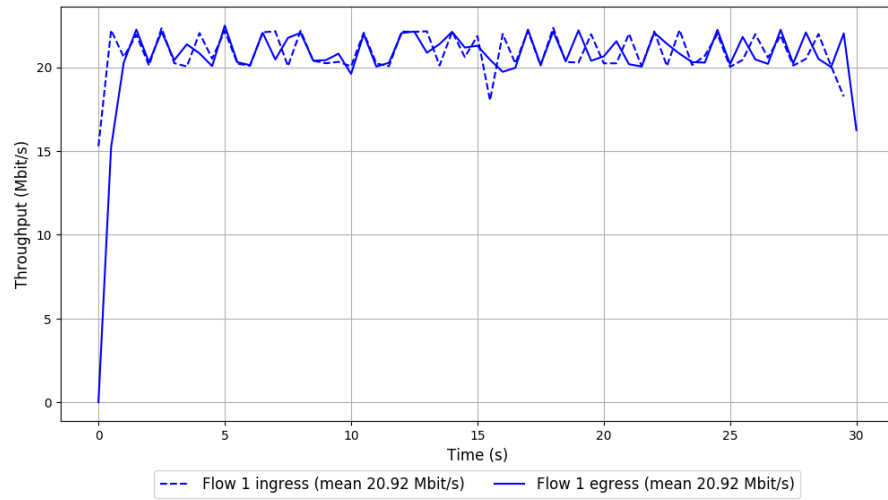


Run 6: Statistics of Sprout

Start at: 2018-07-18 03:06:30
End at: 2018-07-18 03:07:00
Local clock offset: -2.561 ms
Remote clock offset: -7.551 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.92 Mbit/s
95th percentile per-packet one-way delay: 22.816 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.92 Mbit/s
95th percentile per-packet one-way delay: 22.816 ms
Loss rate: 0.16%

Run 6: Report of Sprout — Data Link

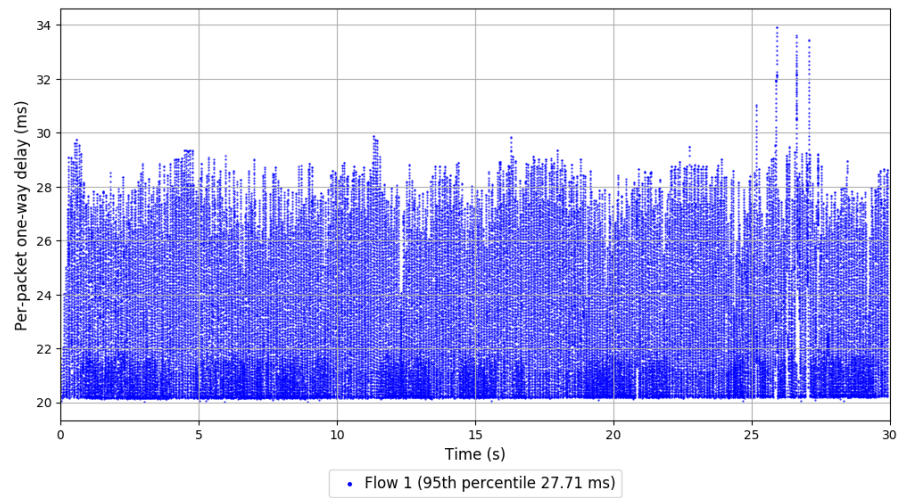
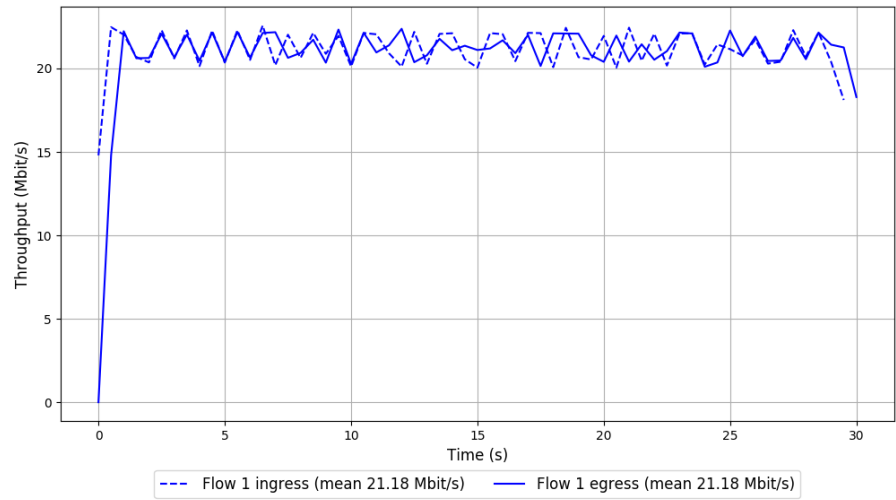


Run 7: Statistics of Sprout

Start at: 2018-07-18 03:27:06
End at: 2018-07-18 03:27:36
Local clock offset: 2.056 ms
Remote clock offset: -8.313 ms

Below is generated by plot.py at 2018-07-18 04:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 27.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 27.707 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

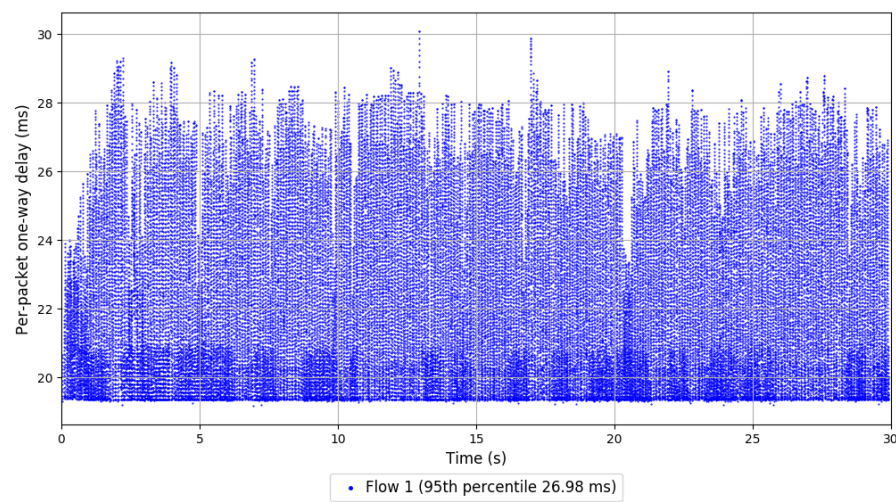
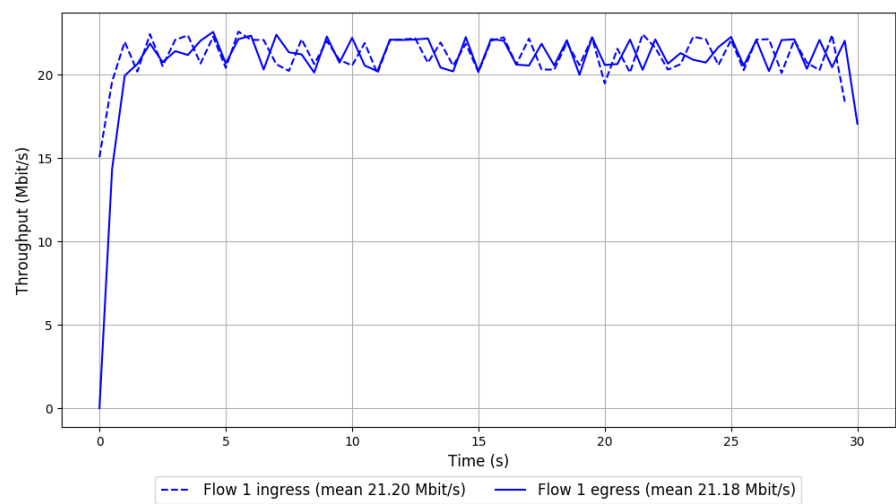


Run 8: Statistics of Sprout

Start at: 2018-07-18 03:47:31
End at: 2018-07-18 03:48:01
Local clock offset: 2.626 ms
Remote clock offset: -6.315 ms

Below is generated by plot.py at 2018-07-18 04:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 26.981 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 26.981 ms
Loss rate: 0.15%

Run 8: Report of Sprout — Data Link

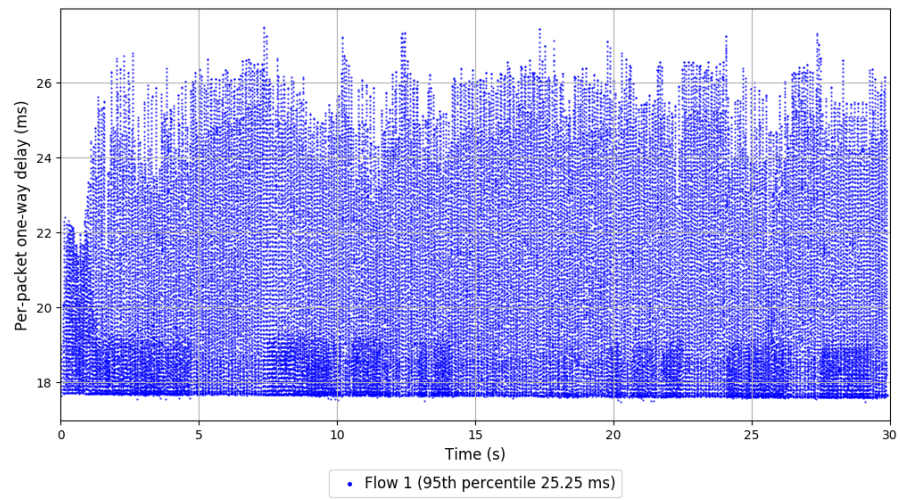
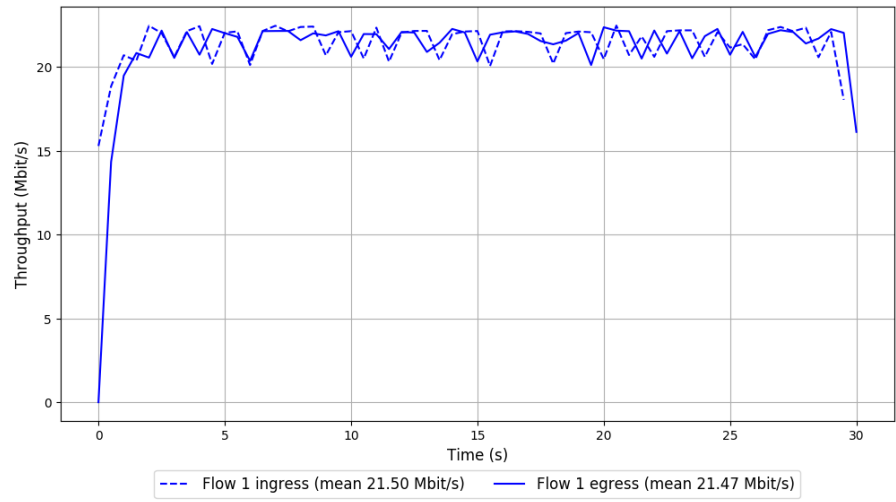


Run 9: Statistics of Sprout

Start at: 2018-07-18 04:07:52
End at: 2018-07-18 04:08:22
Local clock offset: -0.508 ms
Remote clock offset: -11.892 ms

Below is generated by plot.py at 2018-07-18 04:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 25.248 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 25.248 ms
Loss rate: 0.15%

Run 9: Report of Sprout — Data Link

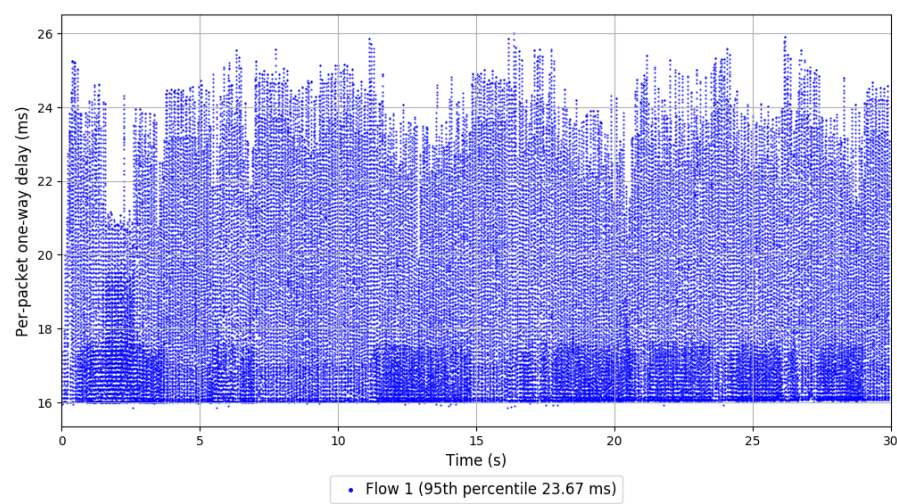
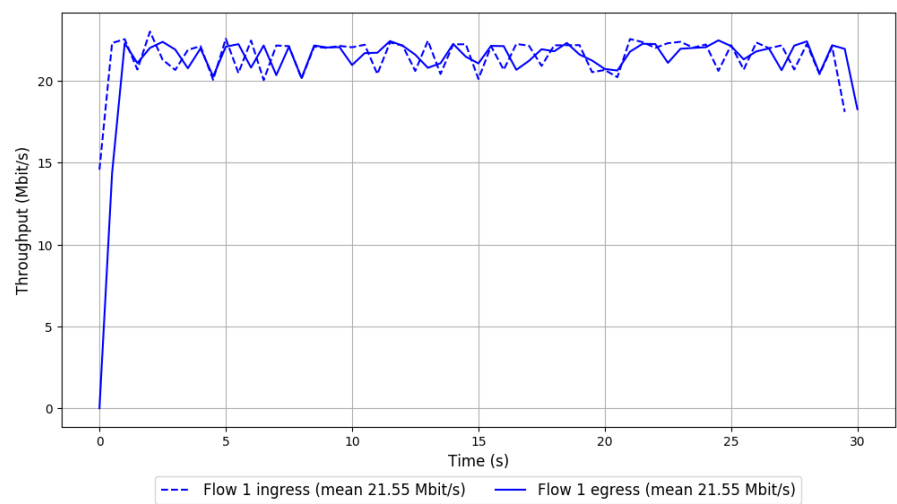


Run 10: Statistics of Sprout

Start at: 2018-07-18 04:27:57
End at: 2018-07-18 04:28:27
Local clock offset: -0.707 ms
Remote clock offset: -12.195 ms

Below is generated by plot.py at 2018-07-18 04:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 23.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 23.668 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 01:20:13

End at: 2018-07-18 01:20:43

Local clock offset: 2.911 ms

Remote clock offset: -8.219 ms

Below is generated by plot.py at 2018-07-18 04:54:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 21.553 ms

Loss rate: 0.09%

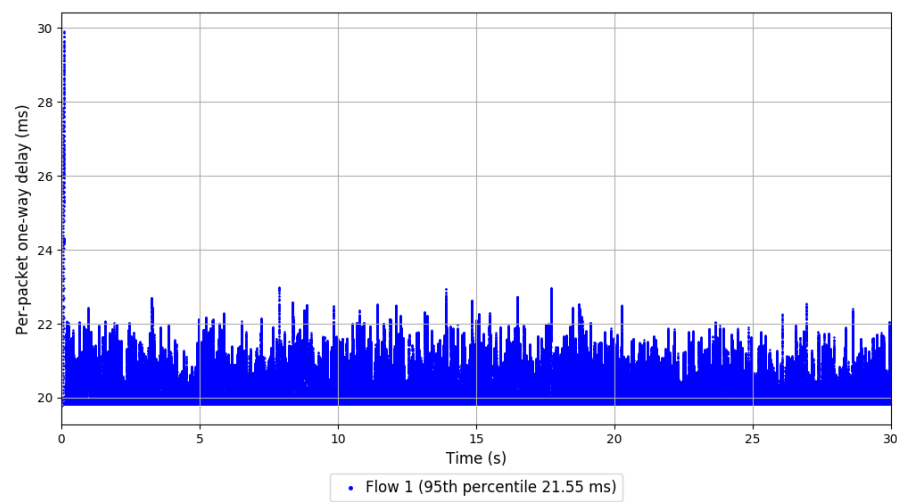
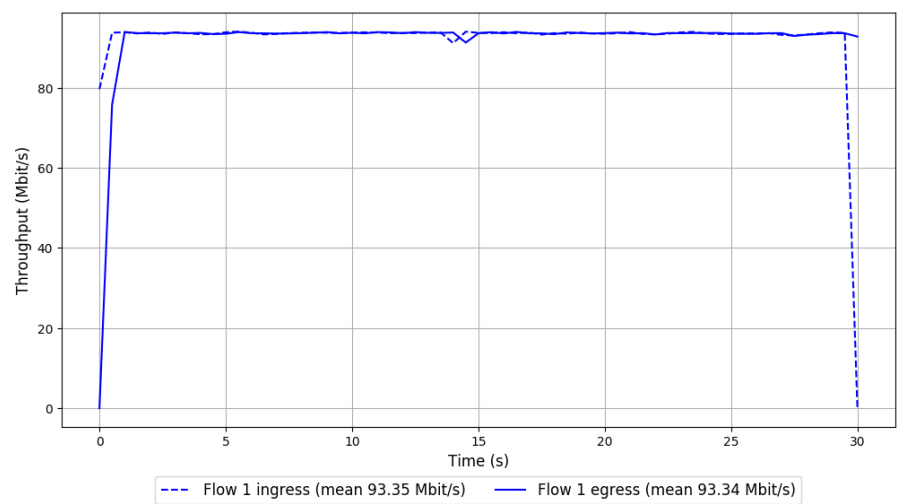
-- Flow 1:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 21.553 ms

Loss rate: 0.09%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 01:40:18

End at: 2018-07-18 01:40:48

Local clock offset: 0.903 ms

Remote clock offset: -7.07 ms

Below is generated by plot.py at 2018-07-18 04:54:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 18.675 ms

Loss rate: 0.08%

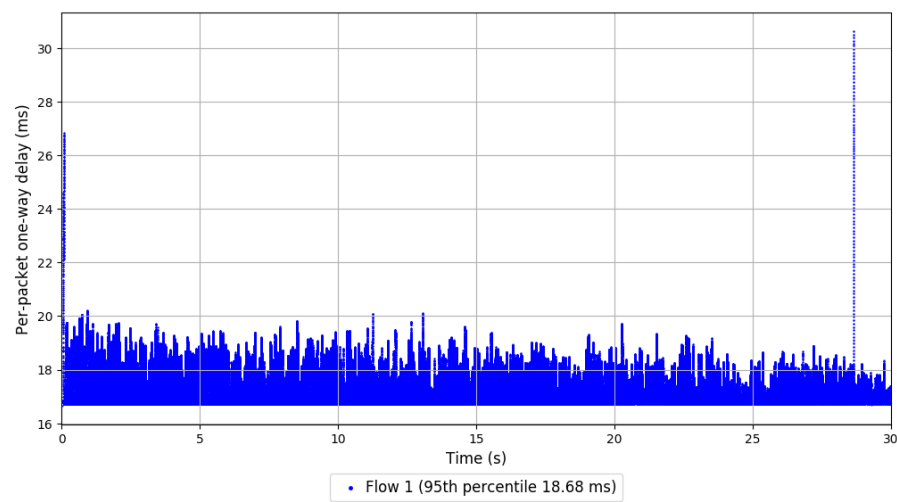
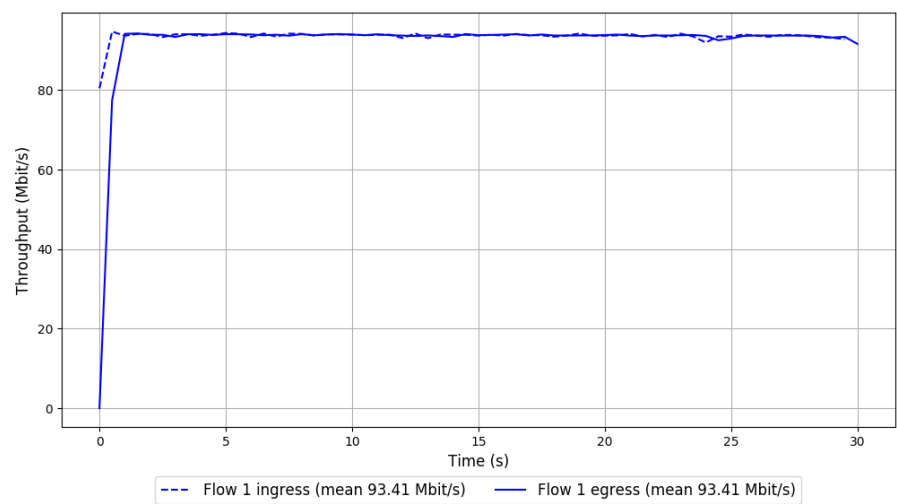
-- Flow 1:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 18.675 ms

Loss rate: 0.08%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 02:00:55

End at: 2018-07-18 02:01:25

Local clock offset: 3.626 ms

Remote clock offset: -6.506 ms

Below is generated by plot.py at 2018-07-18 04:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 23.174 ms

Loss rate: 0.08%

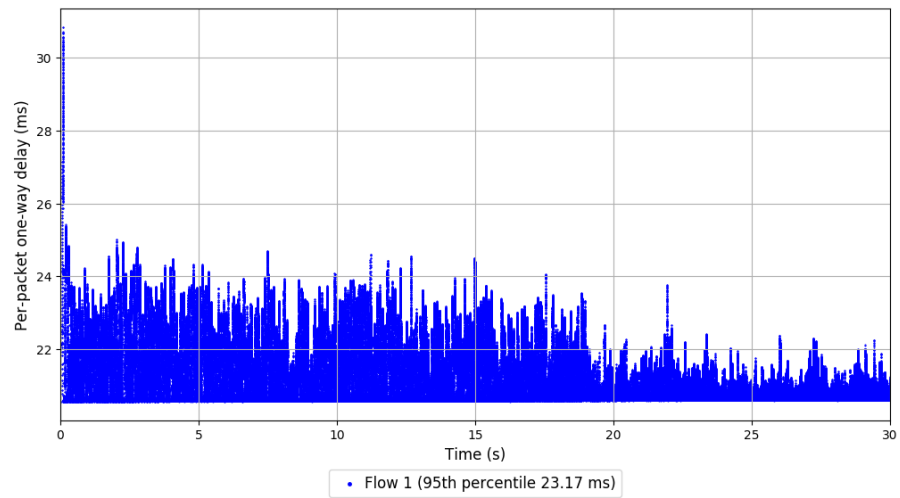
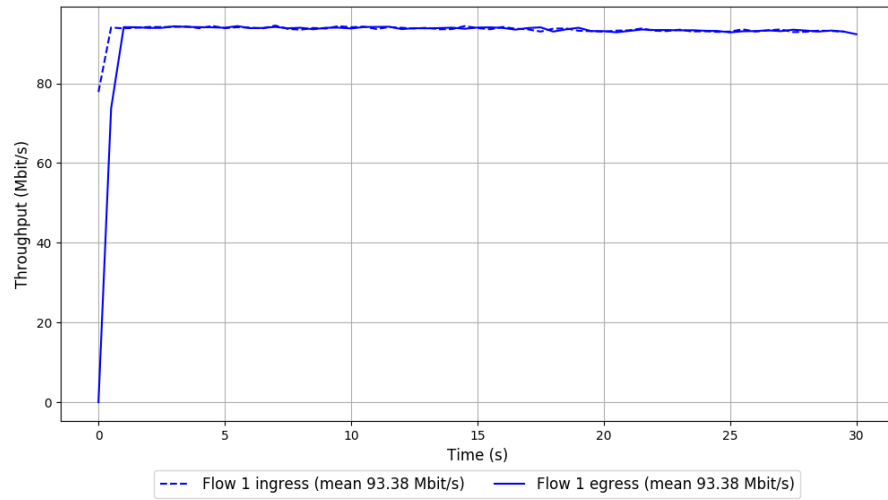
-- Flow 1:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 23.174 ms

Loss rate: 0.08%

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

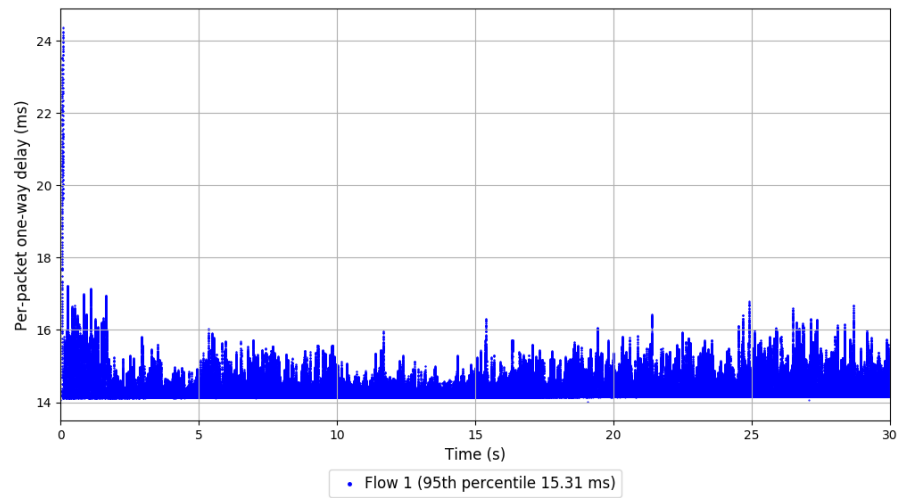
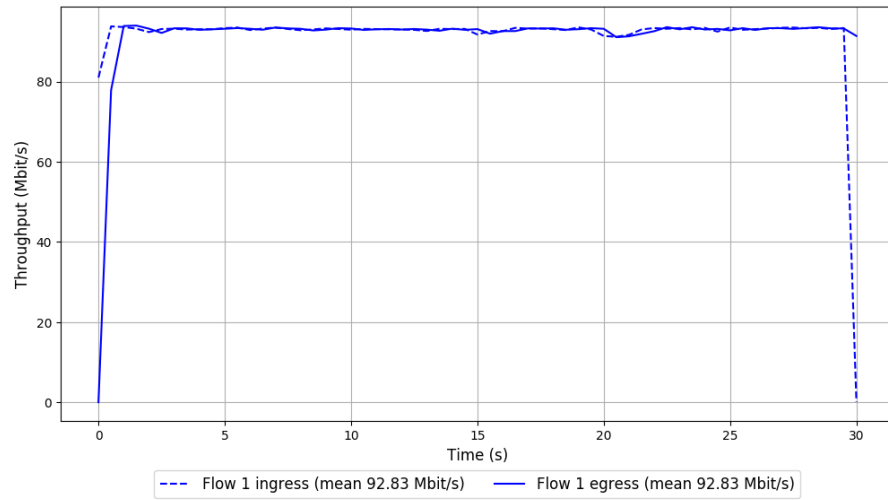


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 02:21:18
End at: 2018-07-18 02:21:48
Local clock offset: -2.18 ms
Remote clock offset: -4.327 ms

Below is generated by plot.py at 2018-07-18 04:54:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 15.307 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 15.307 ms
Loss rate: 0.08%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 02:41:59

End at: 2018-07-18 02:42:29

Local clock offset: 3.04 ms

Remote clock offset: -2.341 ms

Below is generated by plot.py at 2018-07-18 04:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 20.775 ms

Loss rate: 0.09%

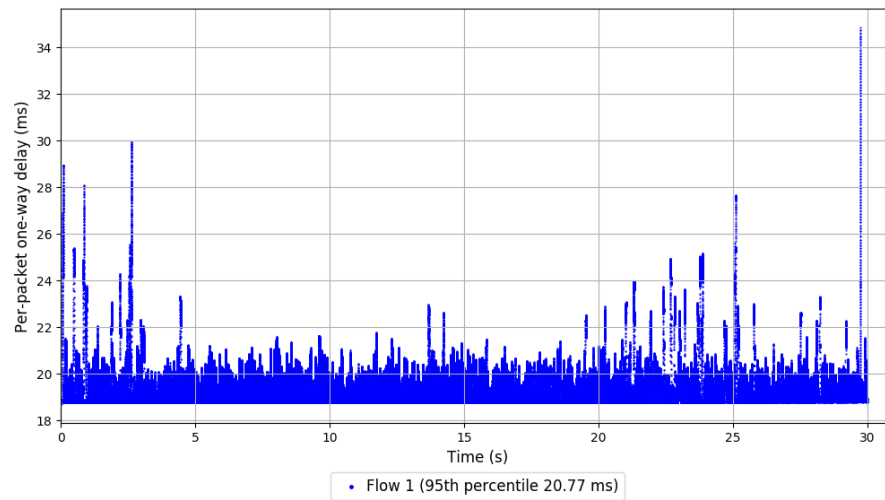
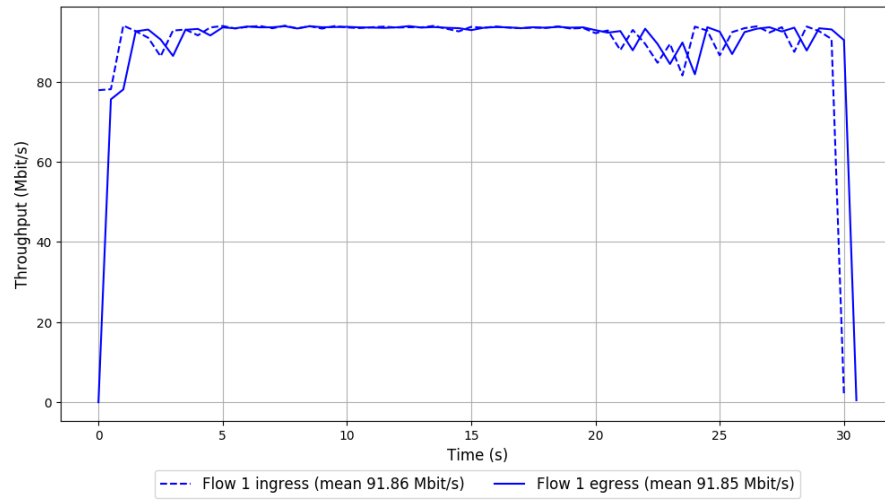
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 20.775 ms

Loss rate: 0.09%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 03:02:48

End at: 2018-07-18 03:03:18

Local clock offset: -0.034 ms

Remote clock offset: -6.808 ms

Below is generated by plot.py at 2018-07-18 04:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 19.336 ms

Loss rate: 0.08%

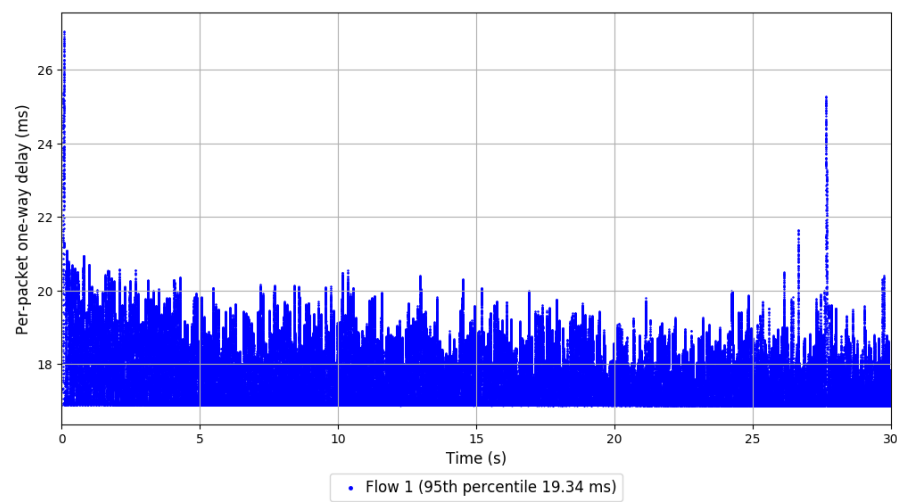
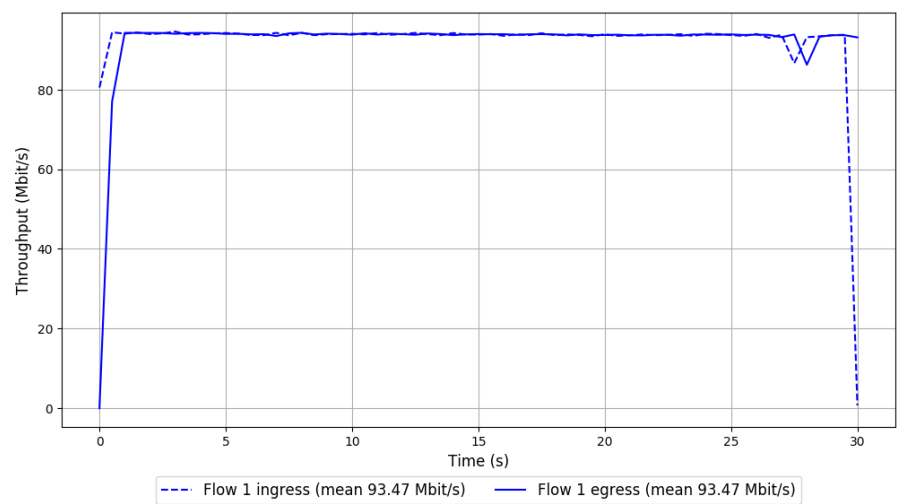
-- Flow 1:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 19.336 ms

Loss rate: 0.08%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 03:23:21

End at: 2018-07-18 03:23:51

Local clock offset: 1.569 ms

Remote clock offset: -7.65 ms

Below is generated by plot.py at 2018-07-18 04:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.03 Mbit/s

95th percentile per-packet one-way delay: 23.220 ms

Loss rate: 0.09%

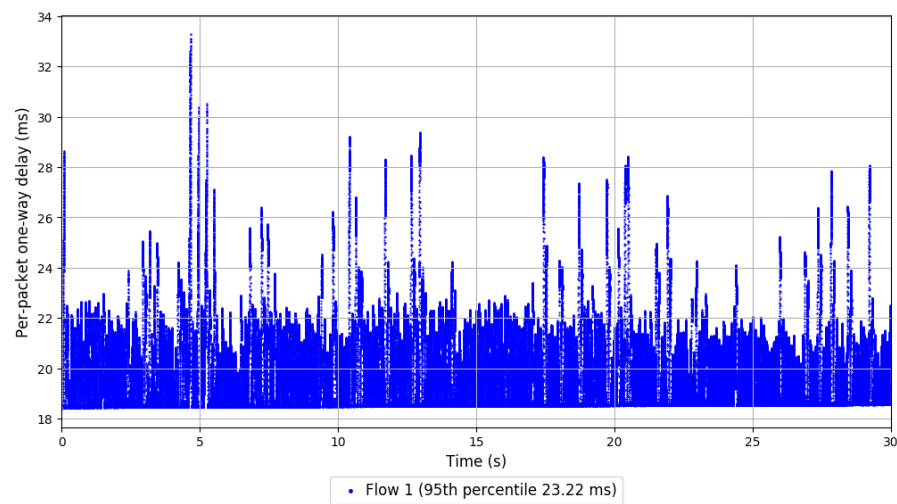
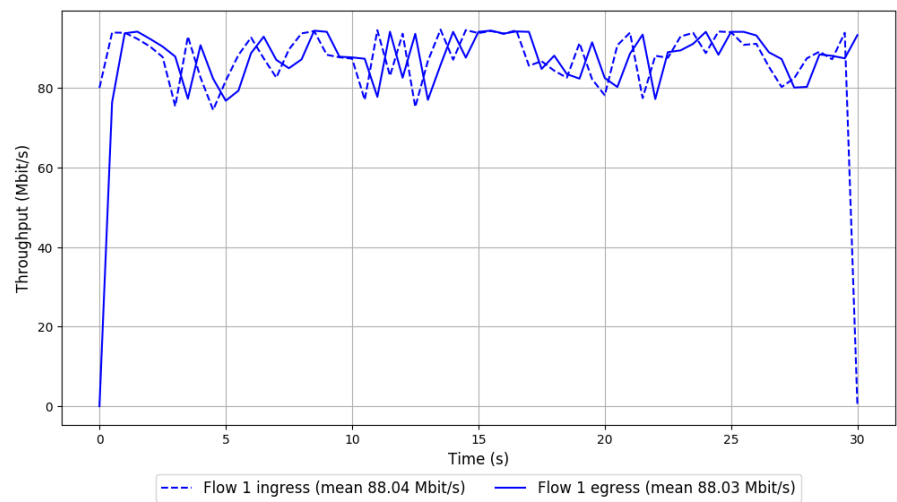
-- Flow 1:

Average throughput: 88.03 Mbit/s

95th percentile per-packet one-way delay: 23.220 ms

Loss rate: 0.09%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 03:43:51

End at: 2018-07-18 03:44:21

Local clock offset: 2.334 ms

Remote clock offset: -5.386 ms

Below is generated by plot.py at 2018-07-18 04:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 19.601 ms

Loss rate: 0.08%

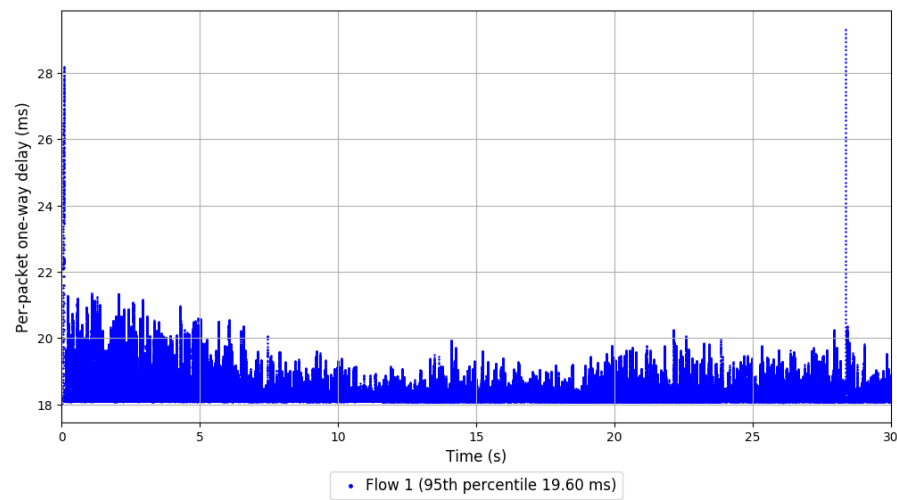
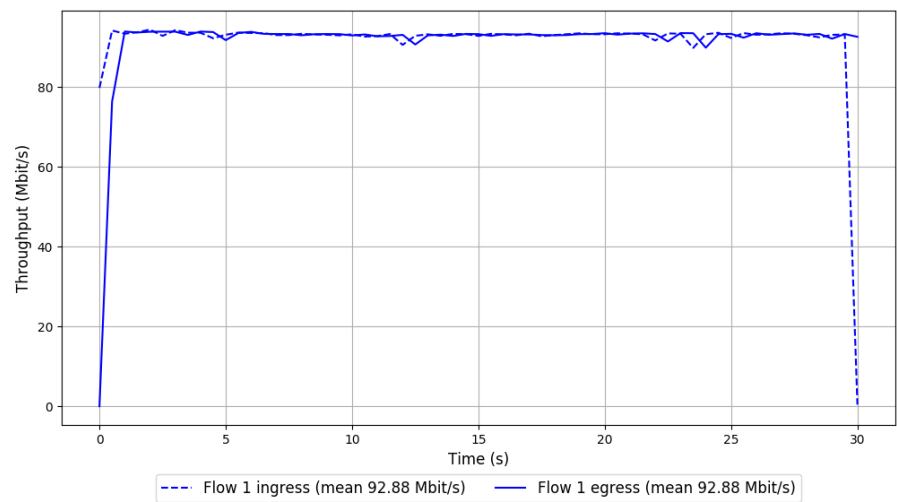
-- Flow 1:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 19.601 ms

Loss rate: 0.08%

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

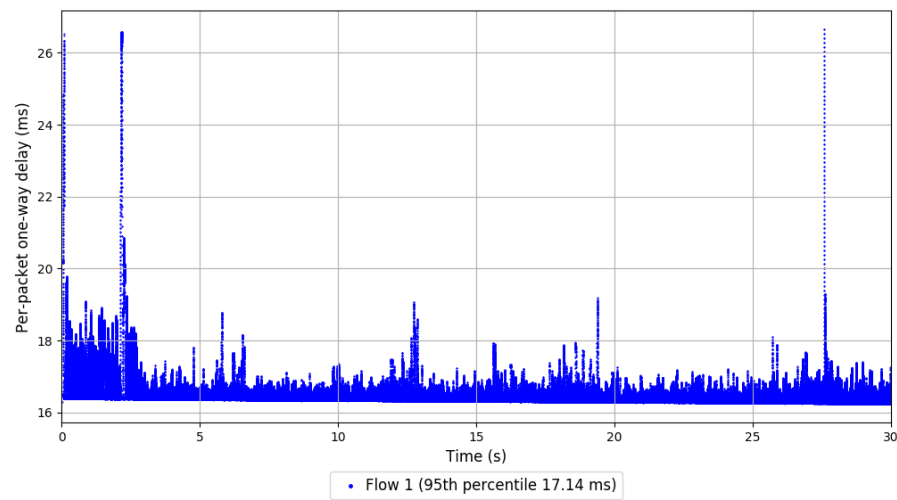
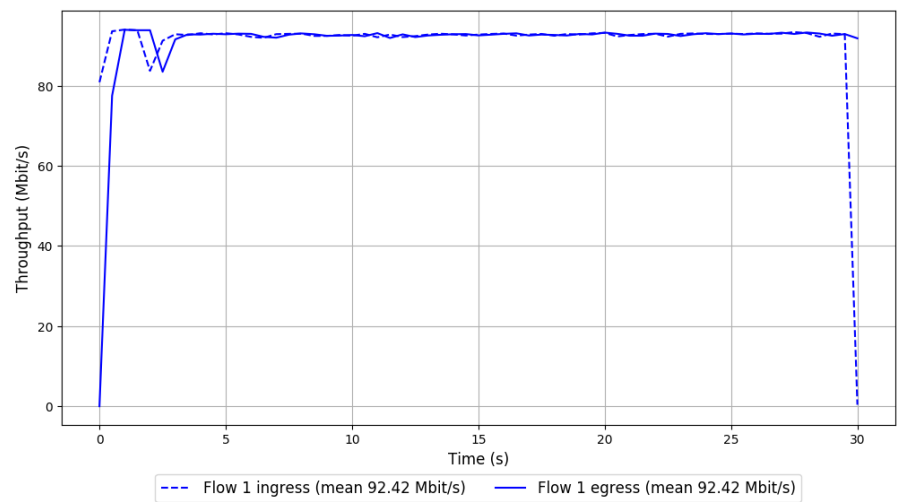


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 04:04:13
End at: 2018-07-18 04:04:43
Local clock offset: -0.248 ms
Remote clock offset: -9.442 ms

Below is generated by plot.py at 2018-07-18 04:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 17.141 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 17.141 ms
Loss rate: 0.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 04:24:19

End at: 2018-07-18 04:24:49

Local clock offset: 3.677 ms

Remote clock offset: -11.525 ms

Below is generated by plot.py at 2018-07-18 04:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.21 Mbit/s

95th percentile per-packet one-way delay: 20.825 ms

Loss rate: 0.08%

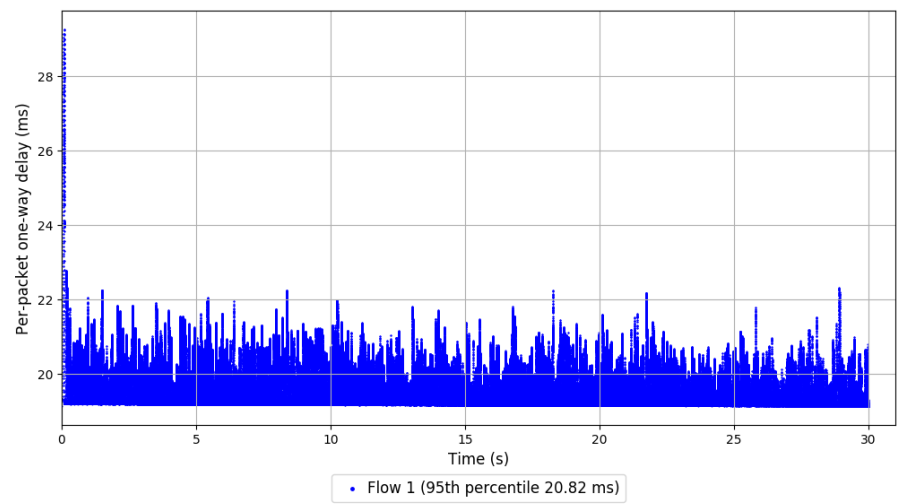
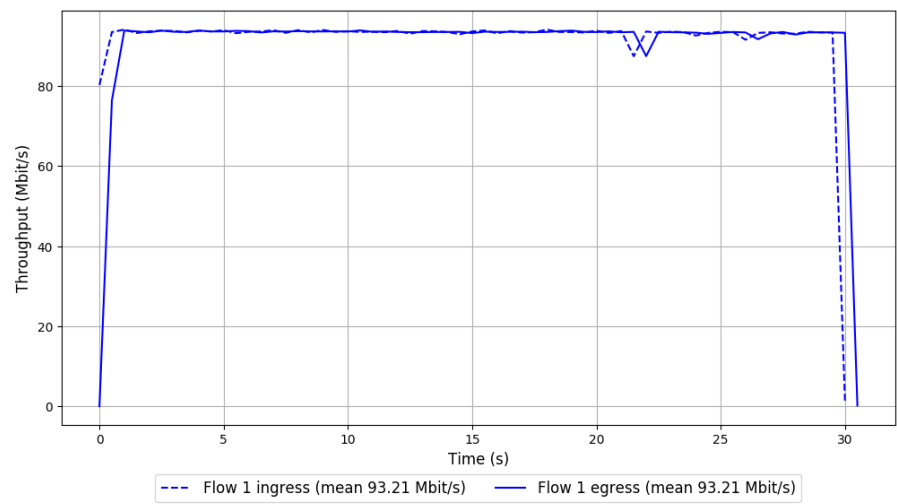
-- Flow 1:

Average throughput: 93.21 Mbit/s

95th percentile per-packet one-way delay: 20.825 ms

Loss rate: 0.08%

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

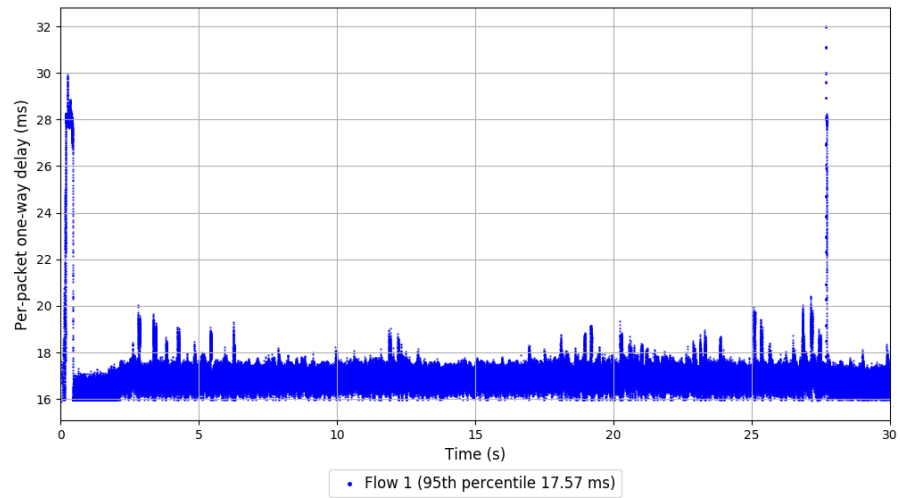
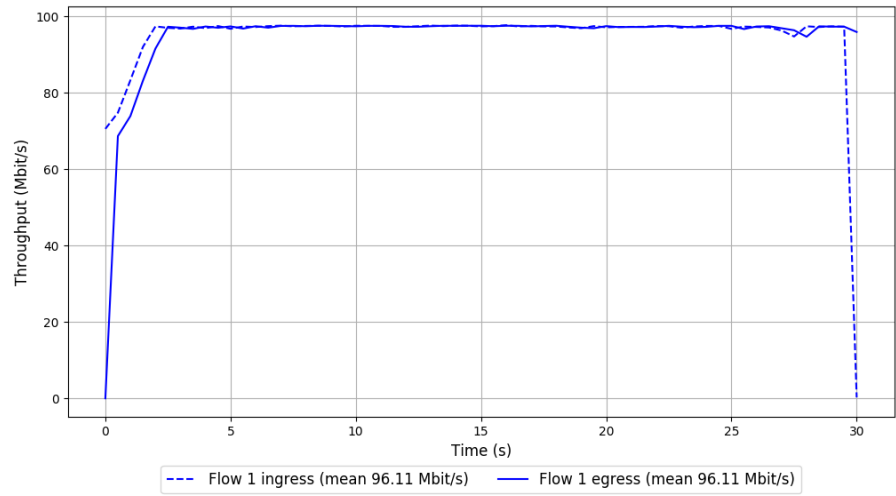


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 01:14:07
End at: 2018-07-18 01:14:37
Local clock offset: -1.054 ms
Remote clock offset: -8.242 ms

Below is generated by plot.py at 2018-07-18 04:56:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 17.572 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 17.572 ms
Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link

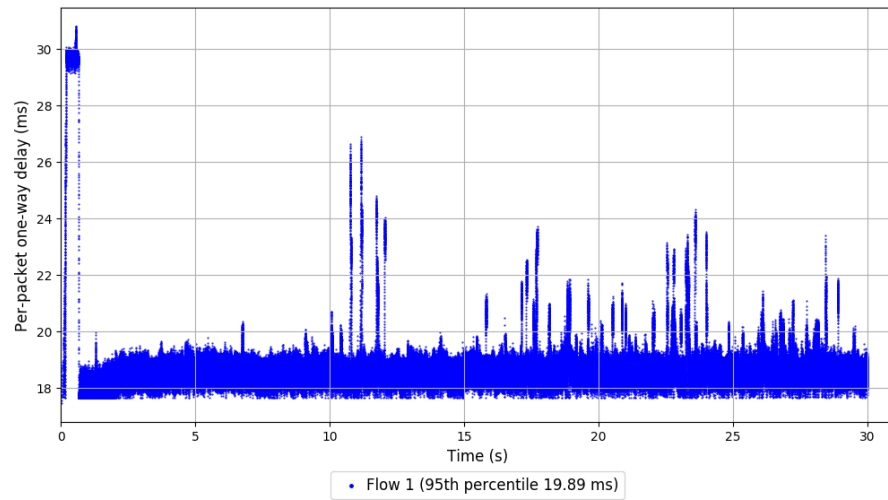
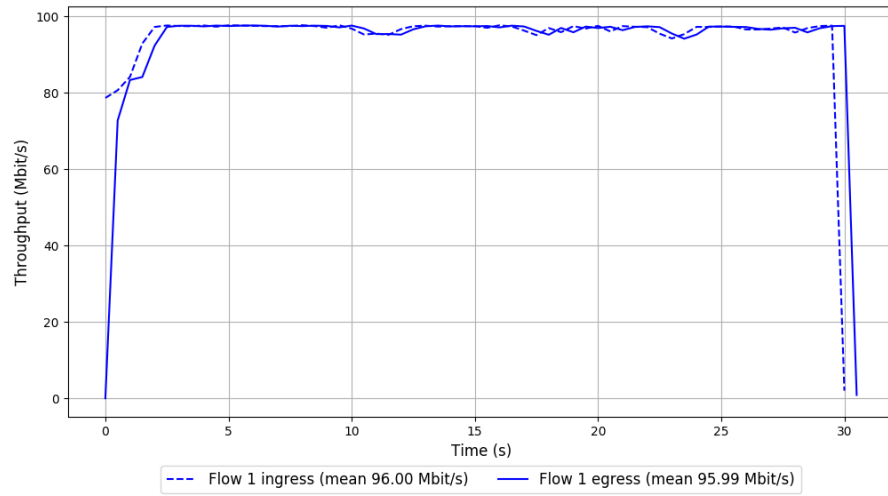


Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 01:34:28
End at: 2018-07-18 01:34:58
Local clock offset: 2.18 ms
Remote clock offset: -6.776 ms

Below is generated by plot.py at 2018-07-18 04:56:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 19.888 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 19.888 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

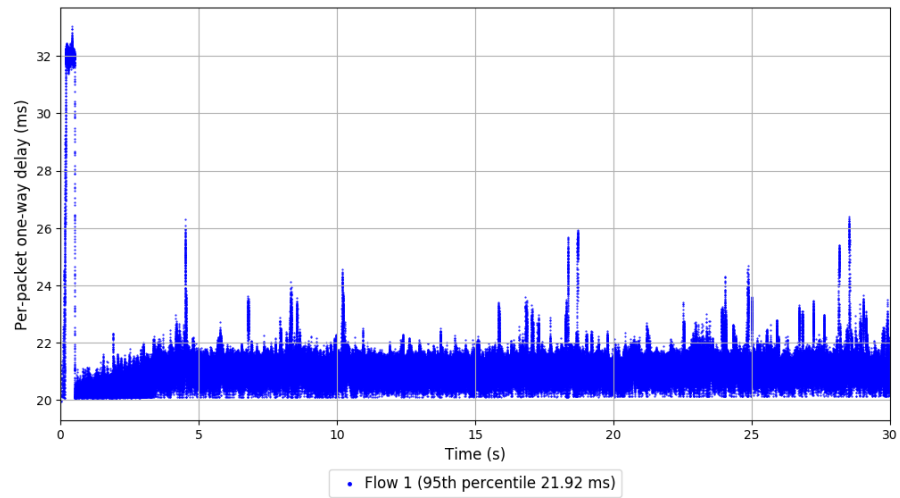
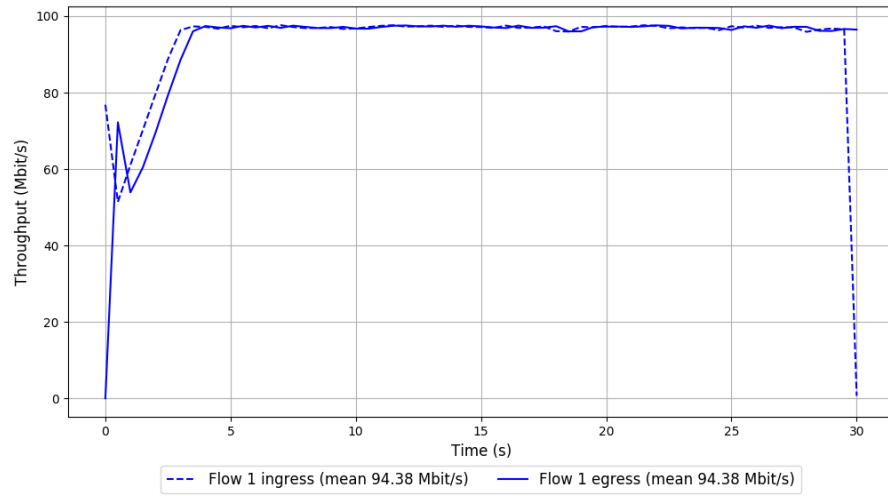


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 01:54:52
End at: 2018-07-18 01:55:22
Local clock offset: 3.845 ms
Remote clock offset: -6.494 ms

Below is generated by plot.py at 2018-07-18 04:56:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 21.922 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 21.922 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 02:15:23

End at: 2018-07-18 02:15:53

Local clock offset: 1.124 ms

Remote clock offset: -5.312 ms

Below is generated by plot.py at 2018-07-18 04:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 19.761 ms

Loss rate: 0.08%

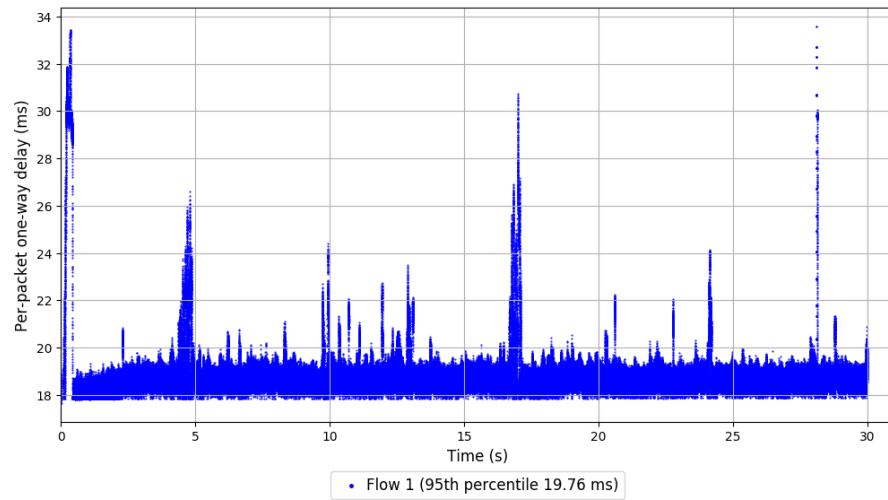
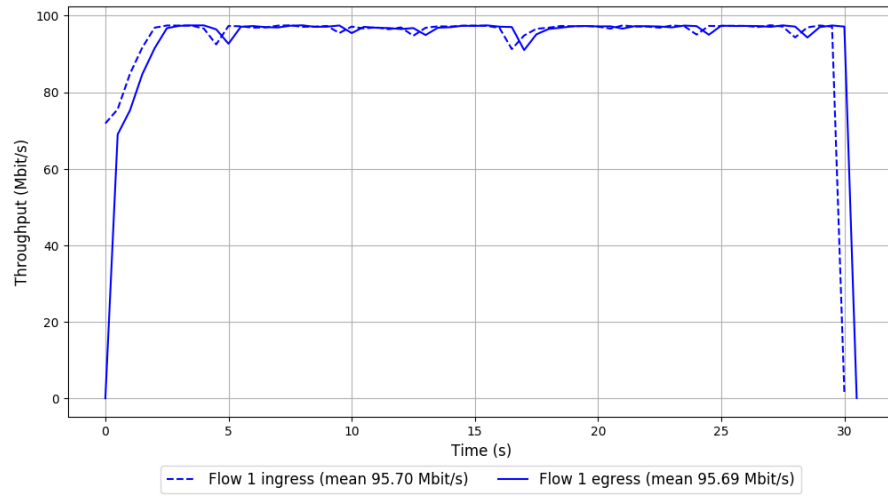
-- Flow 1:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 19.761 ms

Loss rate: 0.08%

Run 4: Report of TCP Vegas — Data Link

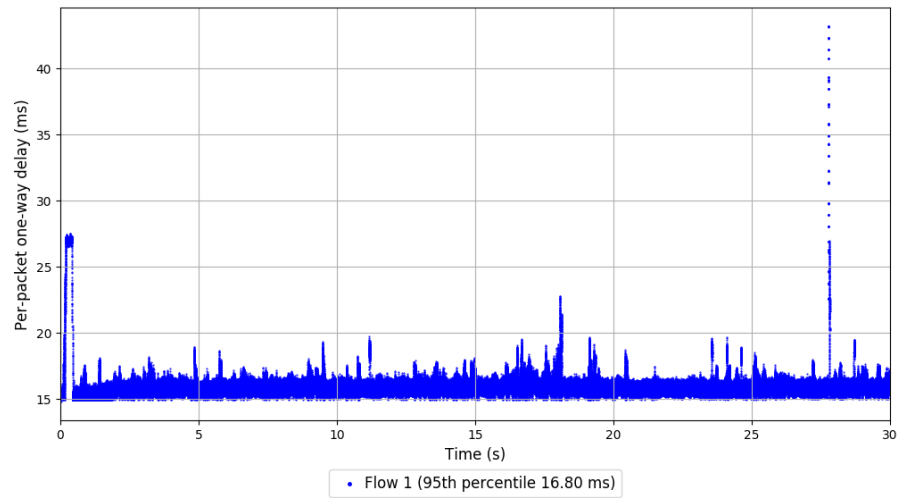
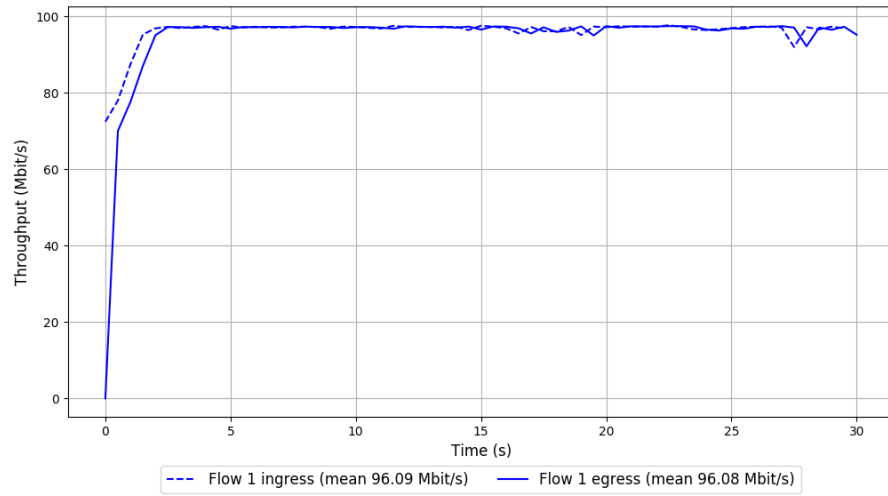


Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 02:35:53
End at: 2018-07-18 02:36:23
Local clock offset: -1.089 ms
Remote clock offset: -2.947 ms

Below is generated by plot.py at 2018-07-18 04:56:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 16.795 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 16.795 ms
Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link

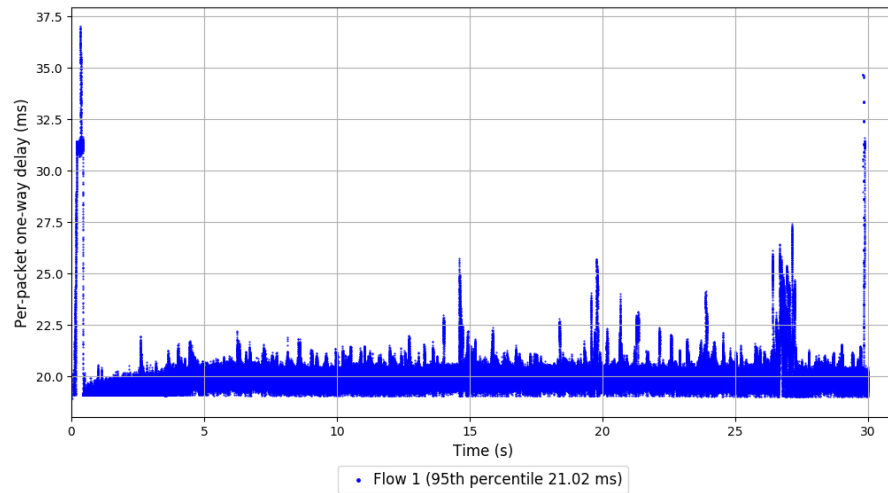
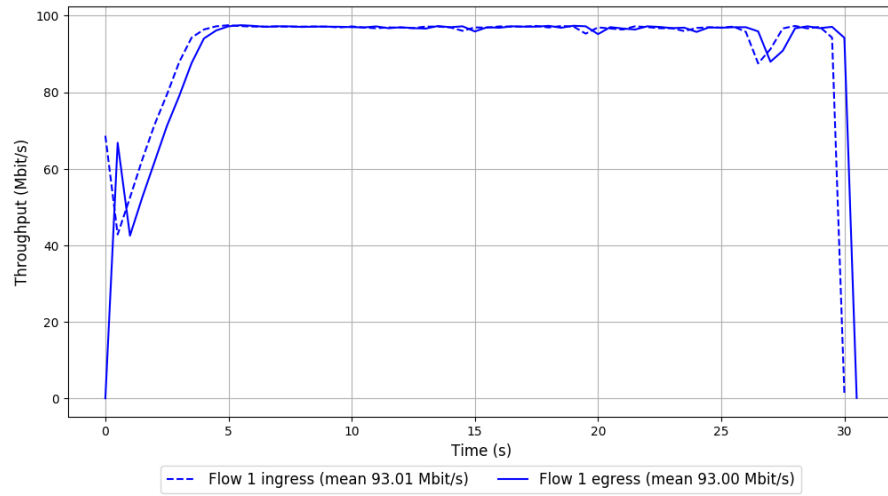


Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 02:56:45
End at: 2018-07-18 02:57:15
Local clock offset: 1.713 ms
Remote clock offset: -6.659 ms

Below is generated by plot.py at 2018-07-18 04:56:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 21.022 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 21.022 ms
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

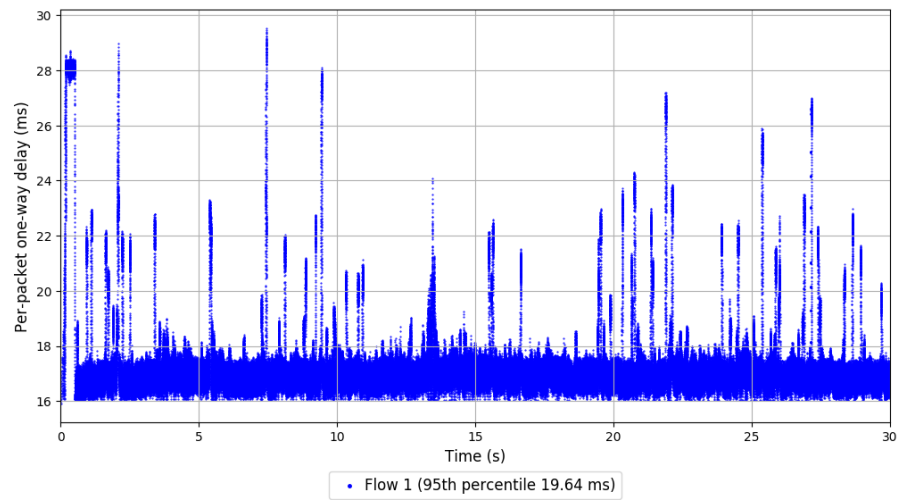
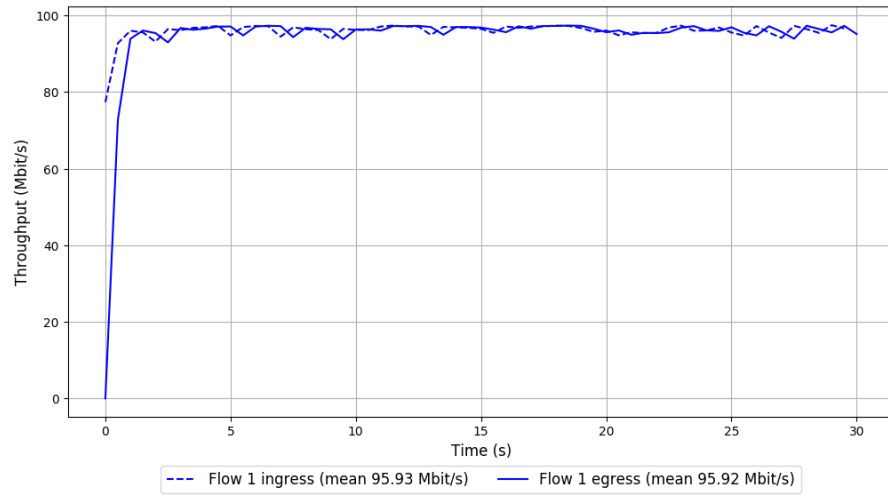


Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 03:17:32
End at: 2018-07-18 03:18:02
Local clock offset: -1.63 ms
Remote clock offset: -8.271 ms

Below is generated by plot.py at 2018-07-18 04:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 19.644 ms
Loss rate: 0.09%

Run 7: Report of TCP Vegas — Data Link

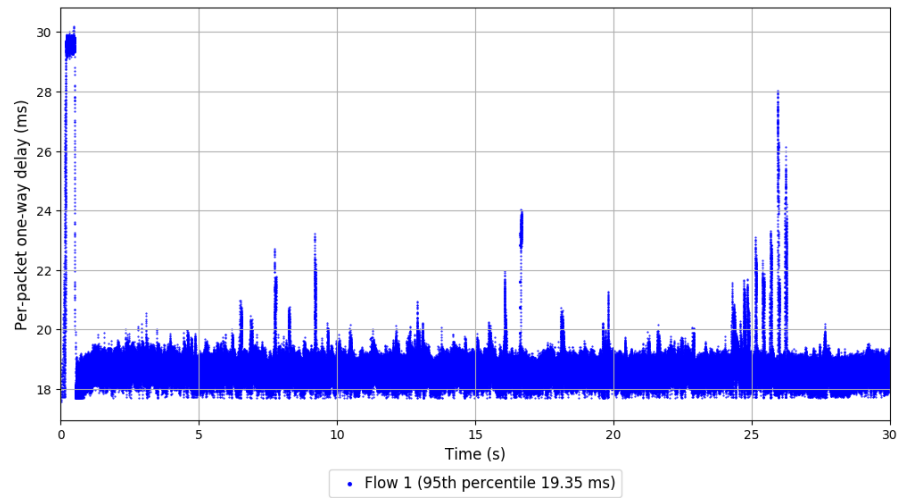
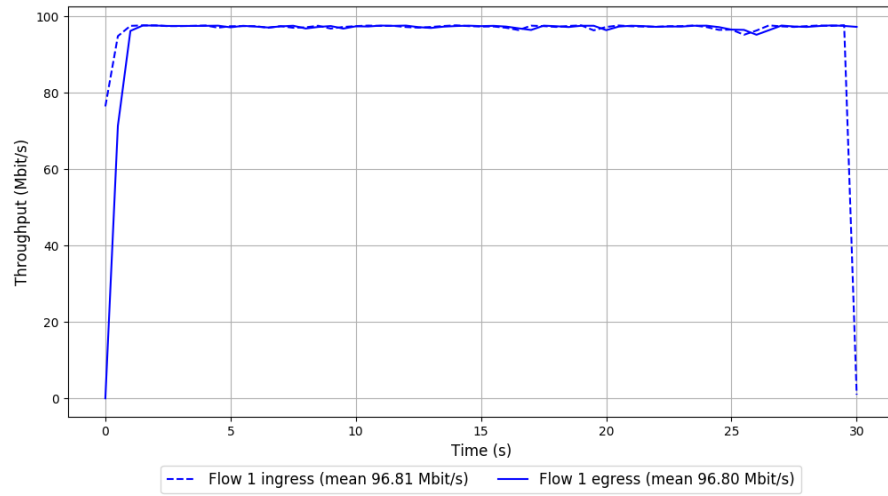


Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 03:37:57
End at: 2018-07-18 03:38:27
Local clock offset: 0.432 ms
Remote clock offset: -7.008 ms

Below is generated by plot.py at 2018-07-18 04:56:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

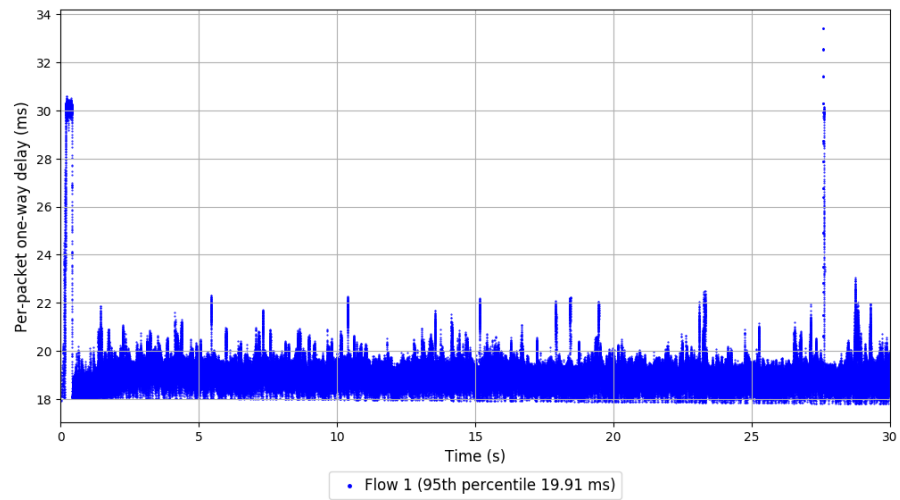
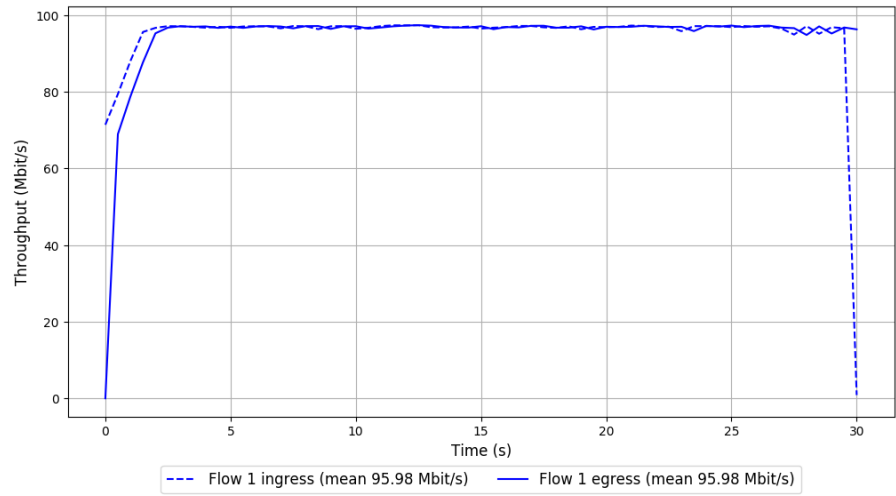


Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 03:58:14
End at: 2018-07-18 03:58:44
Local clock offset: 1.223 ms
Remote clock offset: -7.189 ms

Below is generated by plot.py at 2018-07-18 04:56:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 19.911 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 19.911 ms
Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link

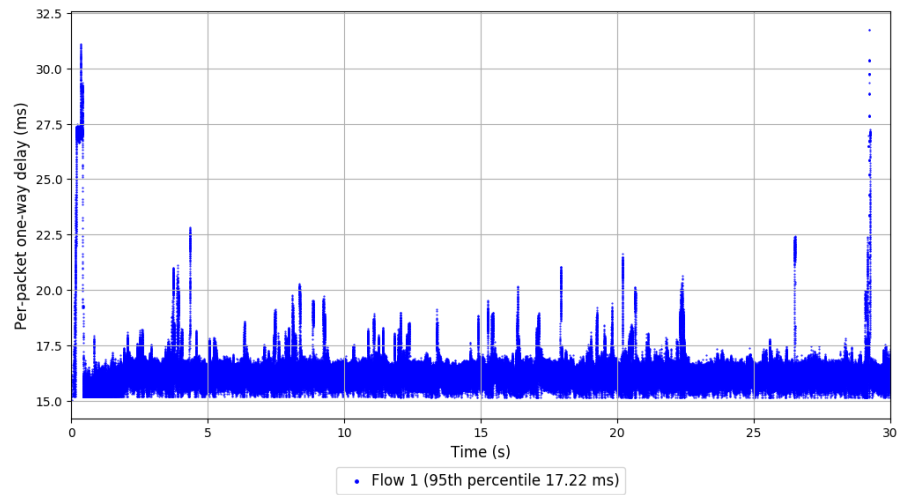
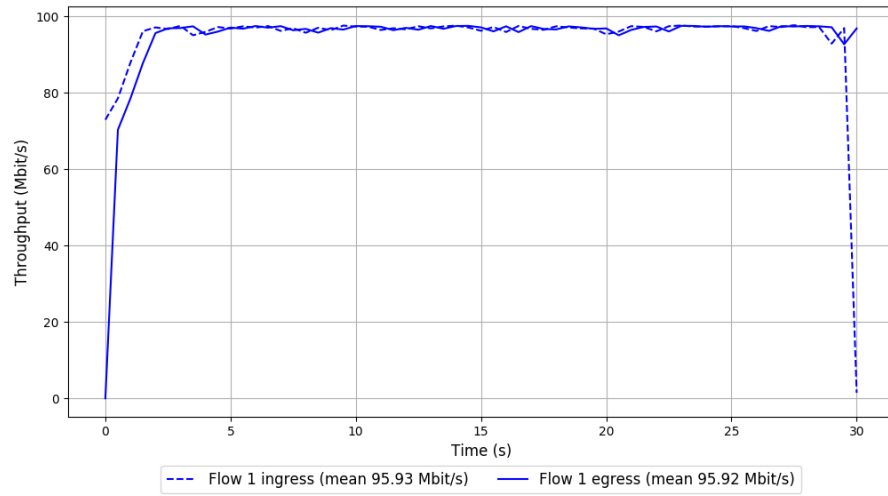


Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 04:18:33
End at: 2018-07-18 04:19:03
Local clock offset: -0.46 ms
Remote clock offset: -11.042 ms

Below is generated by plot.py at 2018-07-18 04:56:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 17.223 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 17.223 ms
Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

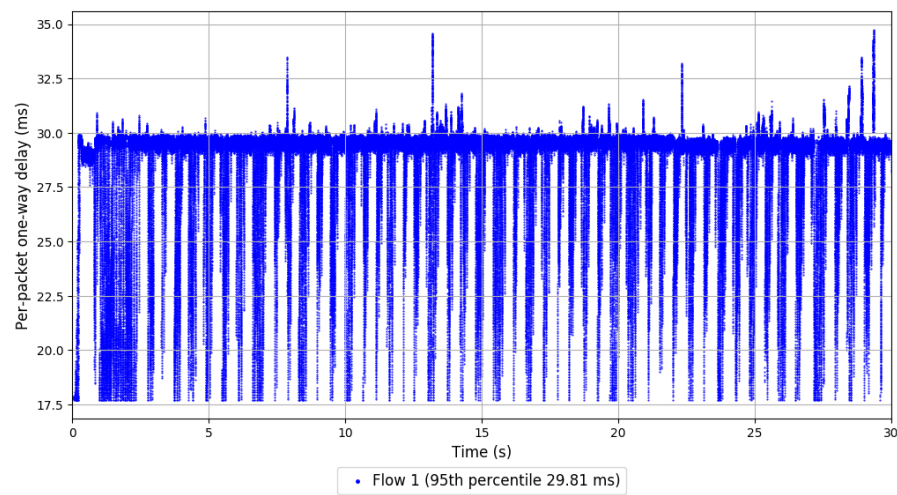
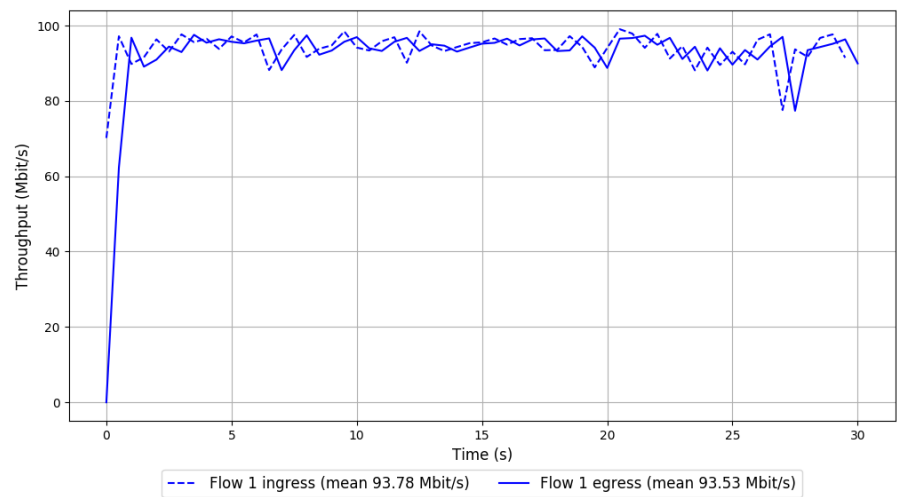


Run 1: Statistics of Verus

Start at: 2018-07-18 01:16:42
End at: 2018-07-18 01:17:13
Local clock offset: 0.184 ms
Remote clock offset: -8.817 ms

Below is generated by plot.py at 2018-07-18 04:56:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 29.808 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 29.808 ms
Loss rate: 0.36%

Run 1: Report of Verus — Data Link

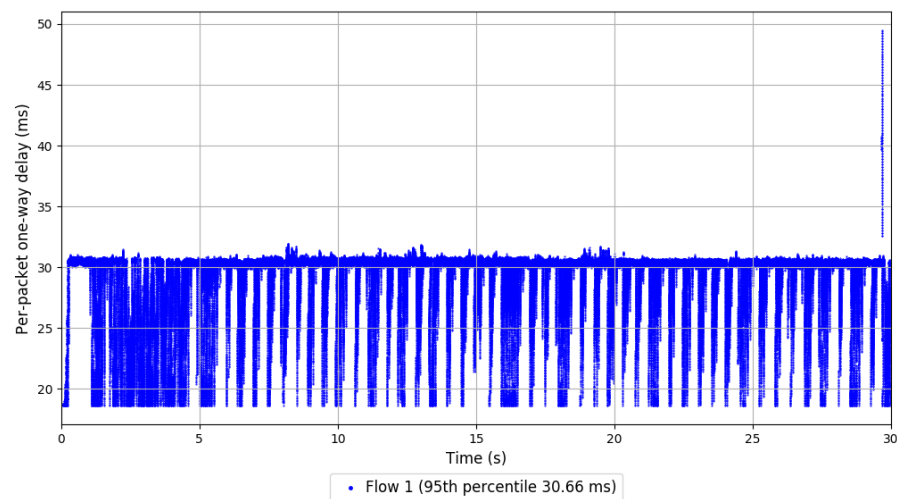
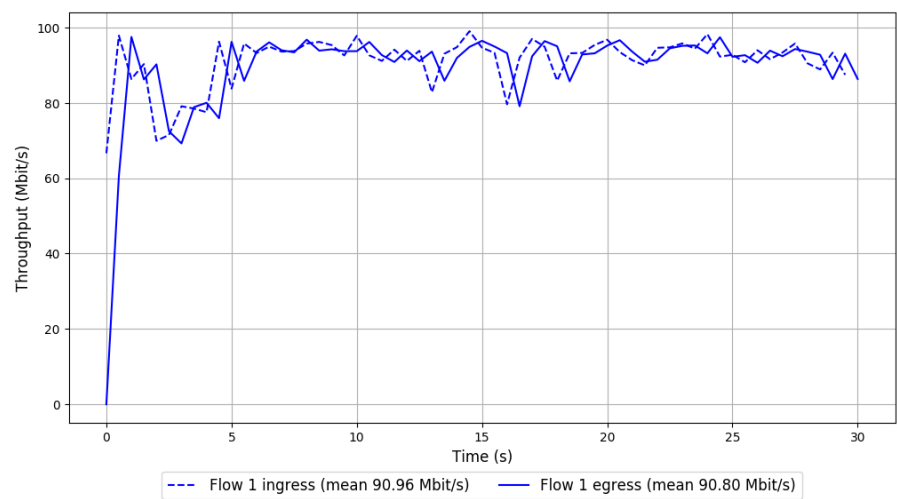


Run 2: Statistics of Verus

Start at: 2018-07-18 01:36:52
End at: 2018-07-18 01:37:22
Local clock offset: 3.118 ms
Remote clock offset: -6.744 ms

Below is generated by plot.py at 2018-07-18 04:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 30.665 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 30.665 ms
Loss rate: 0.26%

Run 2: Report of Verus — Data Link

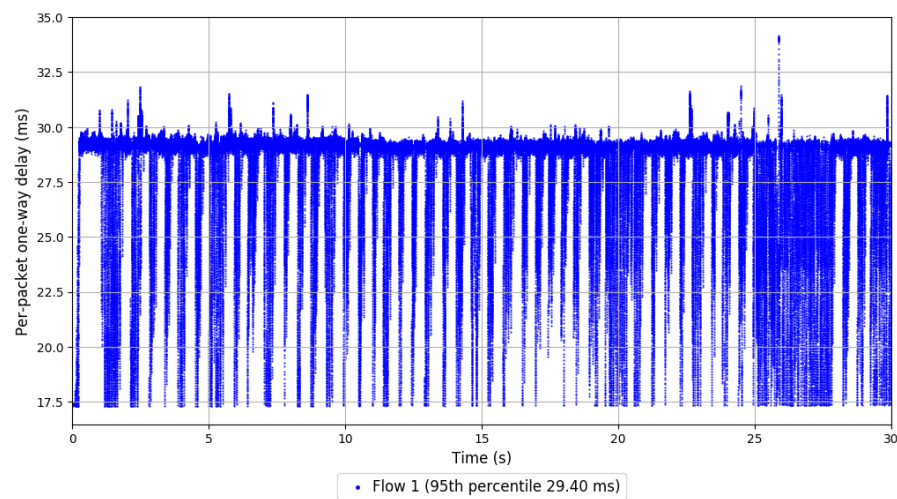
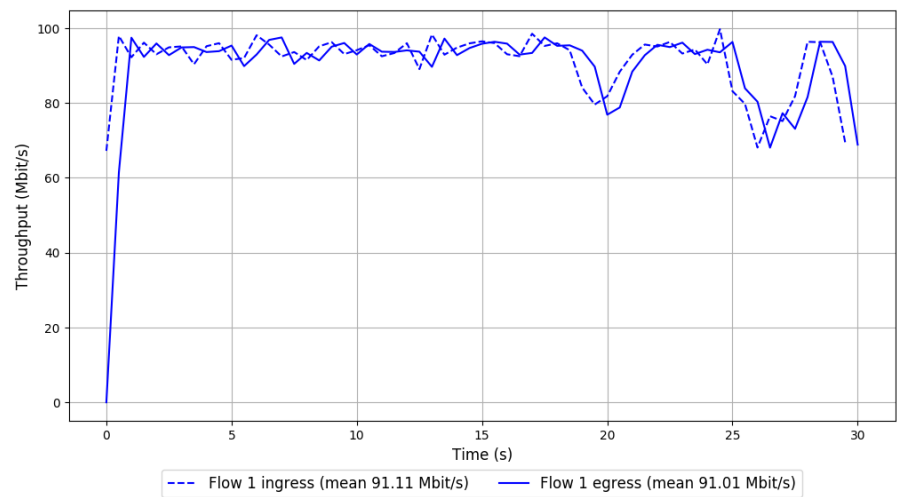


Run 3: Statistics of Verus

Start at: 2018-07-18 01:57:25
End at: 2018-07-18 01:57:55
Local clock offset: 0.853 ms
Remote clock offset: -6.397 ms

Below is generated by plot.py at 2018-07-18 04:57:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 29.403 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 29.403 ms
Loss rate: 0.18%

Run 3: Report of Verus — Data Link

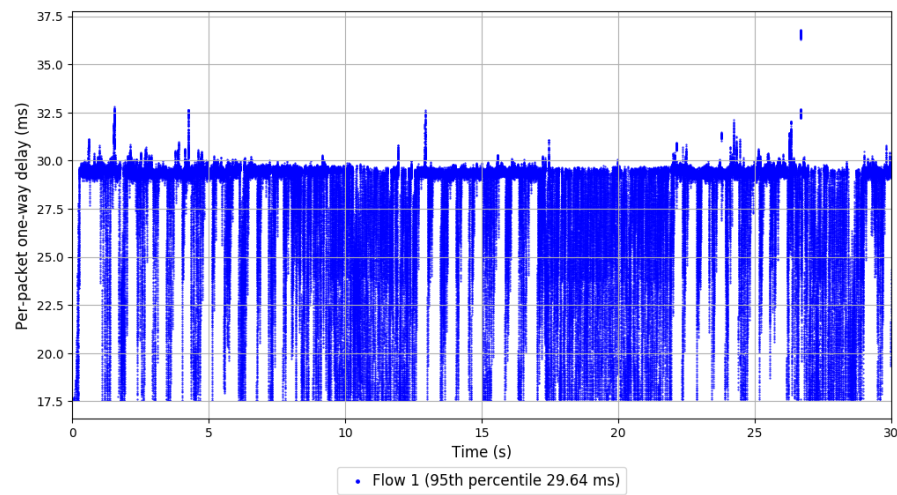
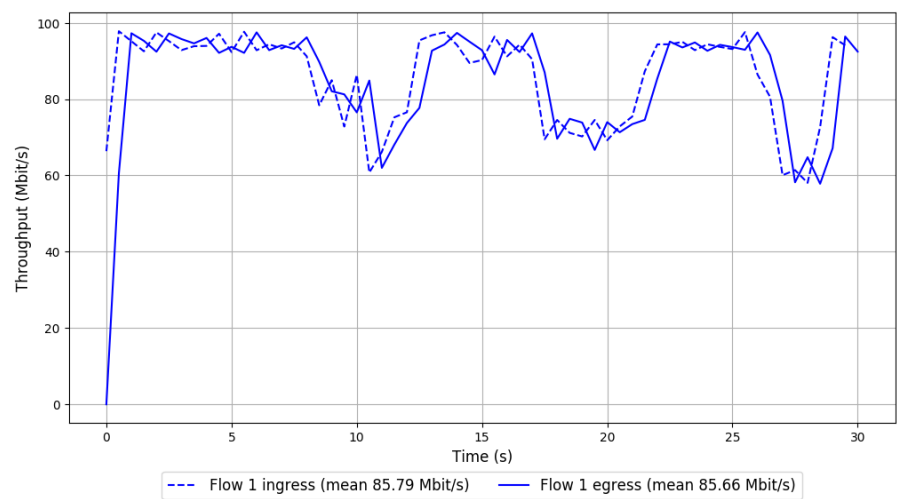


Run 4: Statistics of Verus

Start at: 2018-07-18 02:17:53
End at: 2018-07-18 02:18:23
Local clock offset: 1.19 ms
Remote clock offset: -4.717 ms

Below is generated by plot.py at 2018-07-18 04:57:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 29.638 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 29.638 ms
Loss rate: 0.23%

Run 4: Report of Verus — Data Link

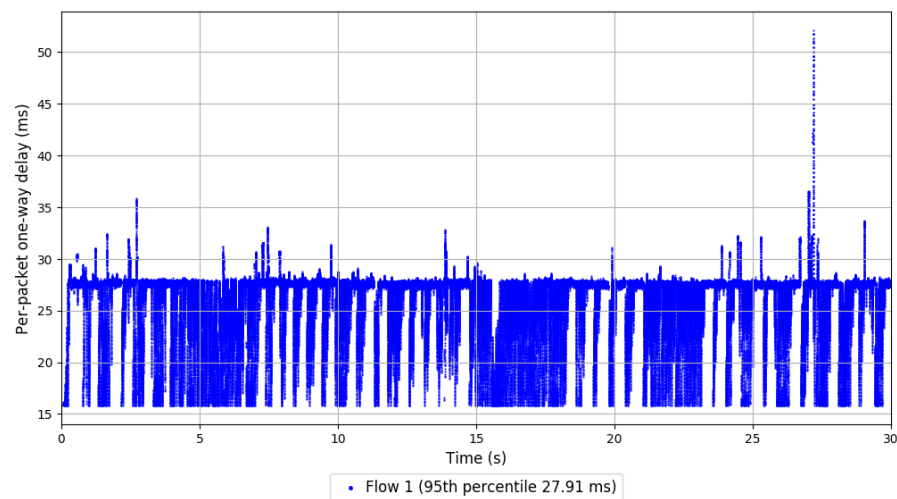
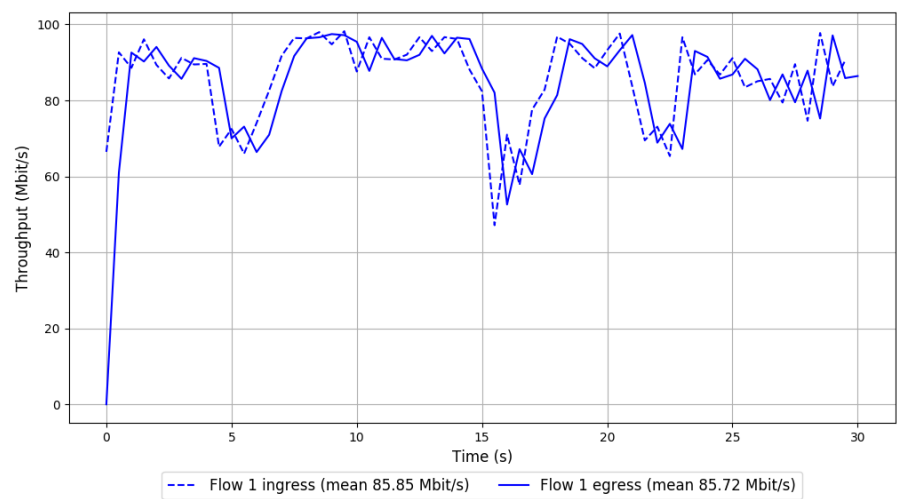


Run 5: Statistics of Verus

Start at: 2018-07-18 02:38:27
End at: 2018-07-18 02:38:57
Local clock offset: 0.427 ms
Remote clock offset: -2.143 ms

Below is generated by plot.py at 2018-07-18 04:57:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 27.907 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 27.907 ms
Loss rate: 0.23%

Run 5: Report of Verus — Data Link

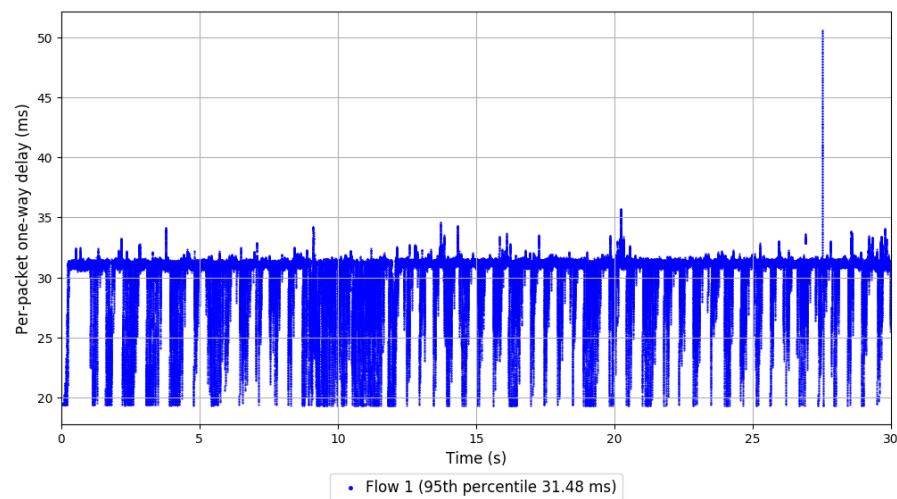
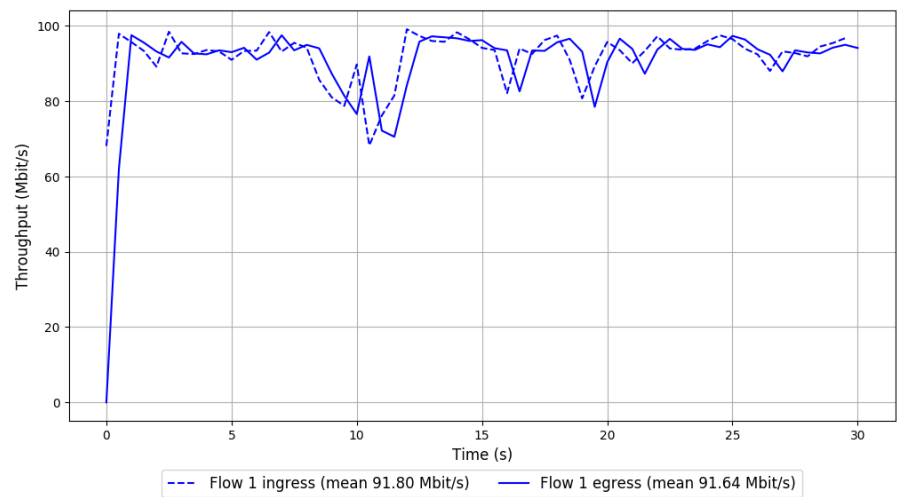


Run 6: Statistics of Verus

Start at: 2018-07-18 02:59:16
End at: 2018-07-18 02:59:46
Local clock offset: 2.525 ms
Remote clock offset: -6.431 ms

Below is generated by plot.py at 2018-07-18 04:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 31.484 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 31.484 ms
Loss rate: 0.26%

Run 6: Report of Verus — Data Link

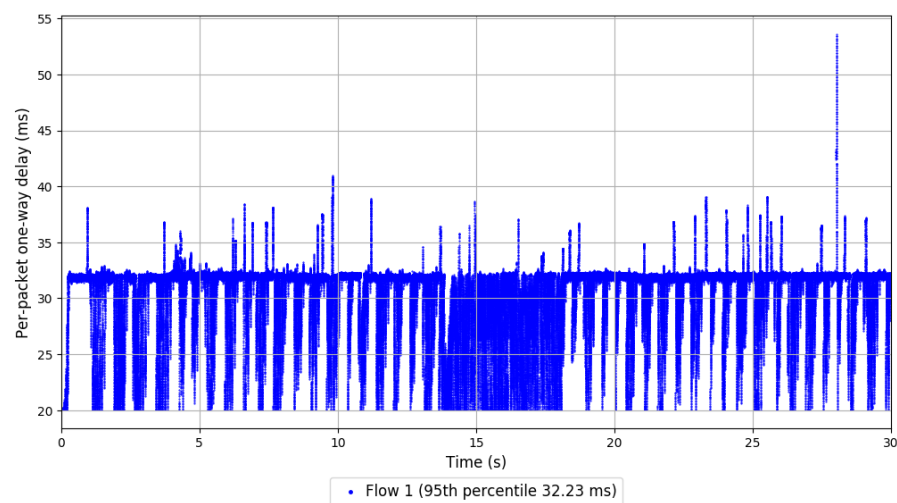
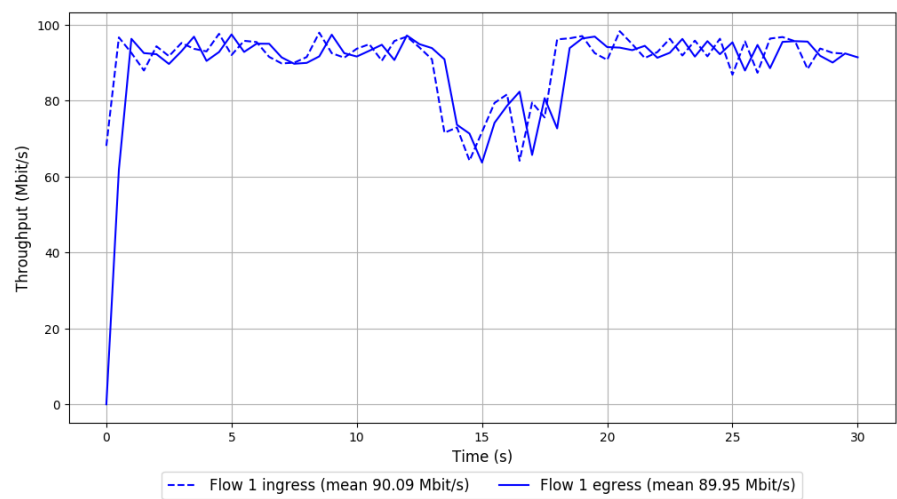


Run 7: Statistics of Verus

Start at: 2018-07-18 03:19:55
End at: 2018-07-18 03:20:25
Local clock offset: 3.594 ms
Remote clock offset: -7.175 ms

Below is generated by plot.py at 2018-07-18 04:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 32.229 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 32.229 ms
Loss rate: 0.25%

Run 7: Report of Verus — Data Link

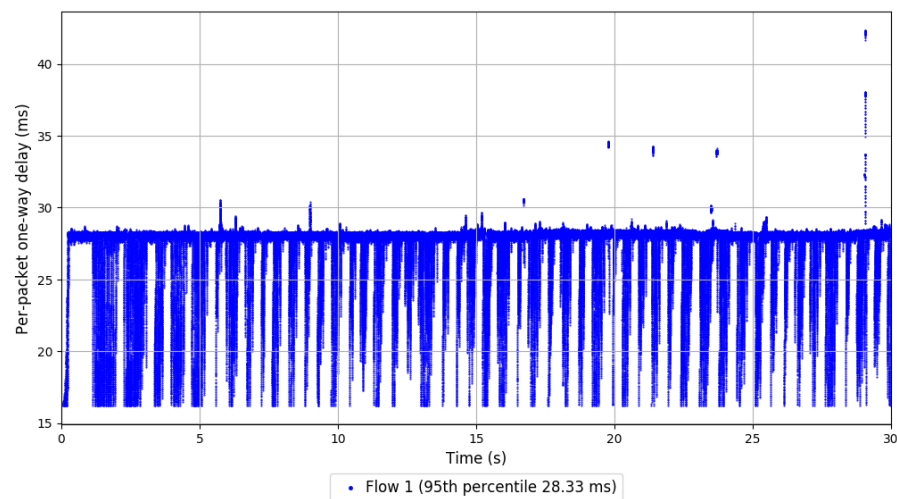
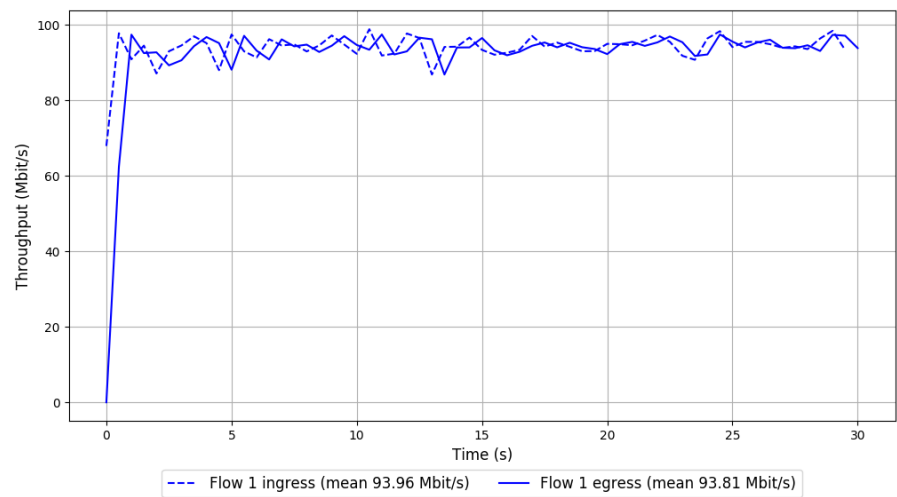


Run 8: Statistics of Verus

Start at: 2018-07-18 03:40:25
End at: 2018-07-18 03:40:55
Local clock offset: -0.953 ms
Remote clock offset: -6.836 ms

Below is generated by plot.py at 2018-07-18 04:57:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 28.331 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 28.331 ms
Loss rate: 0.22%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-18 04:00:43

End at: 2018-07-18 04:01:13

Local clock offset: 0.84 ms

Remote clock offset: -8.21 ms

Below is generated by plot.py at 2018-07-18 04:57:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 29.433 ms

Loss rate: 0.19%

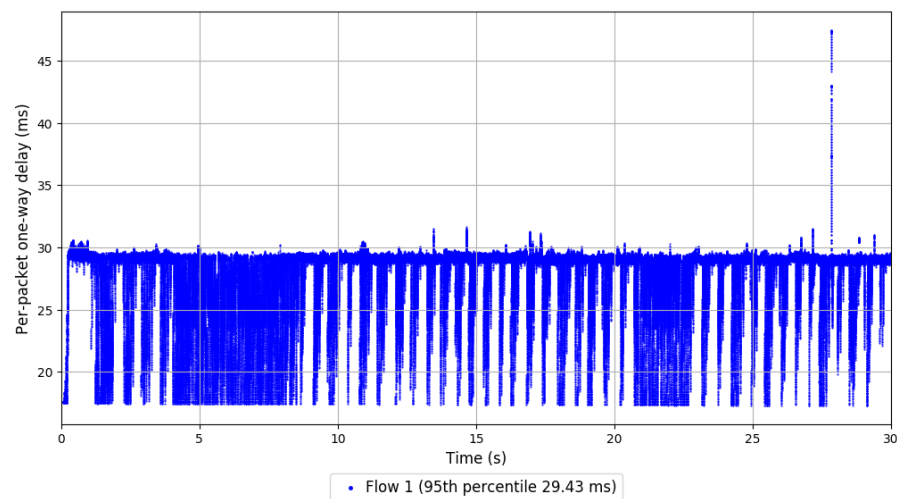
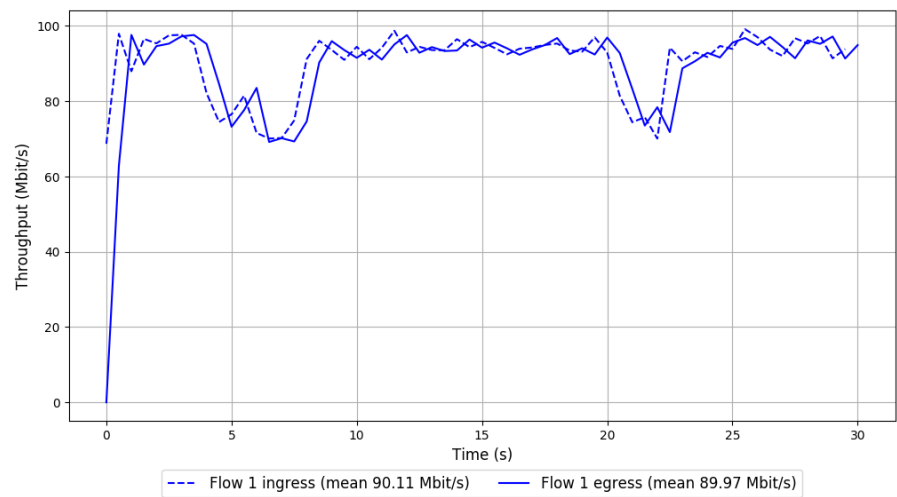
-- Flow 1:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 29.433 ms

Loss rate: 0.19%

Run 9: Report of Verus — Data Link

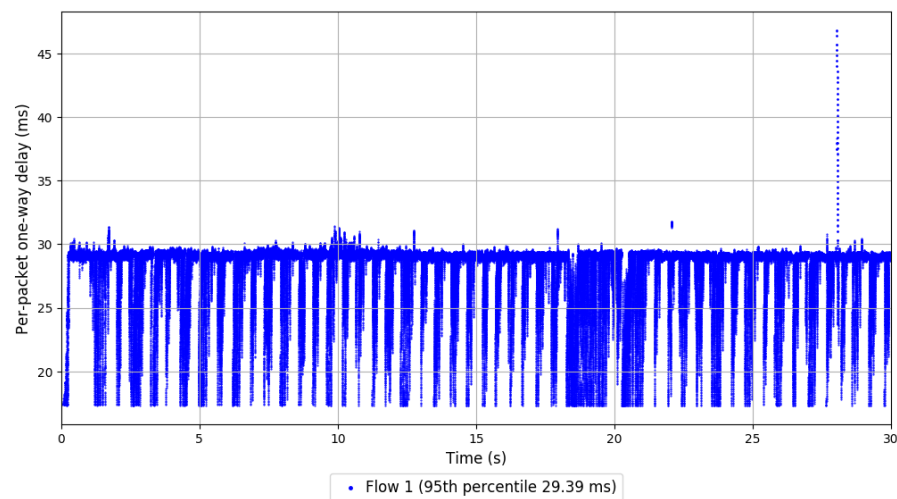
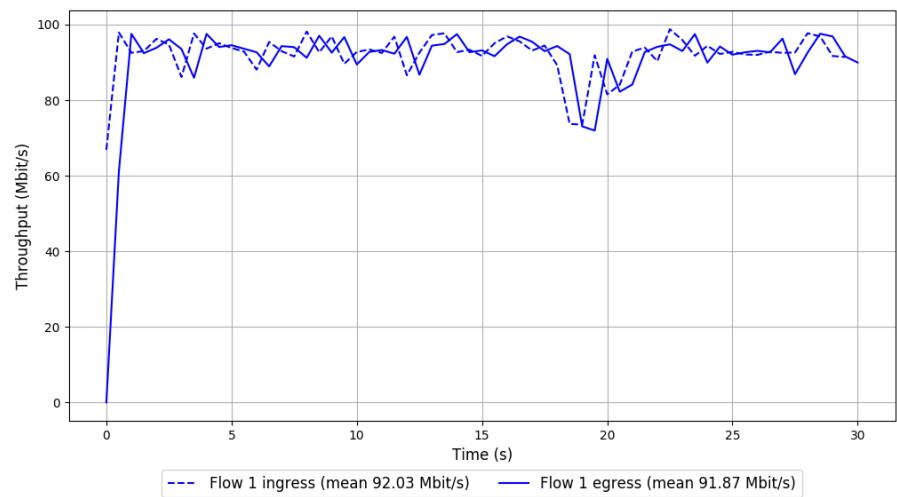


Run 10: Statistics of Verus

Start at: 2018-07-18 04:20:52
End at: 2018-07-18 04:21:22
Local clock offset: 2.184 ms
Remote clock offset: -10.791 ms

Below is generated by plot.py at 2018-07-18 04:57:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 29.387 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 29.387 ms
Loss rate: 0.26%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 01:10:28

End at: 2018-07-18 01:10:58

Local clock offset: 2.243 ms

Remote clock offset: -8.387 ms

Below is generated by plot.py at 2018-07-18 04:58:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 19.810 ms

Loss rate: 0.08%

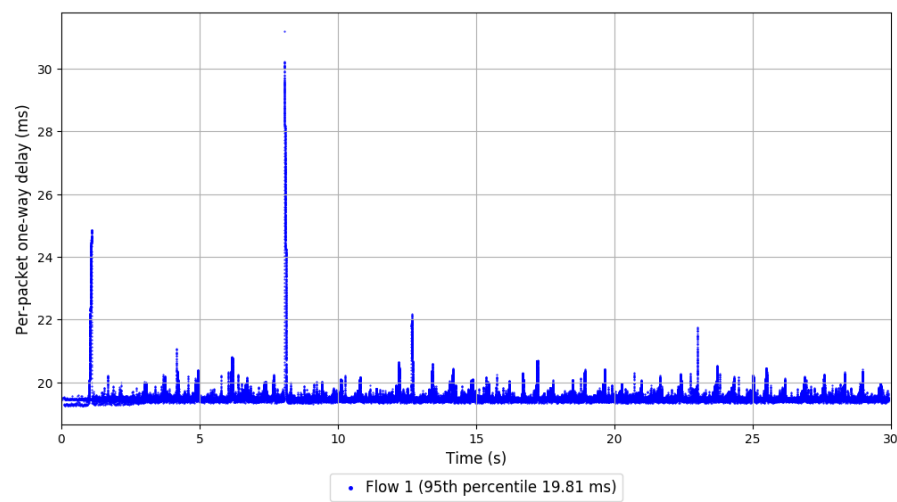
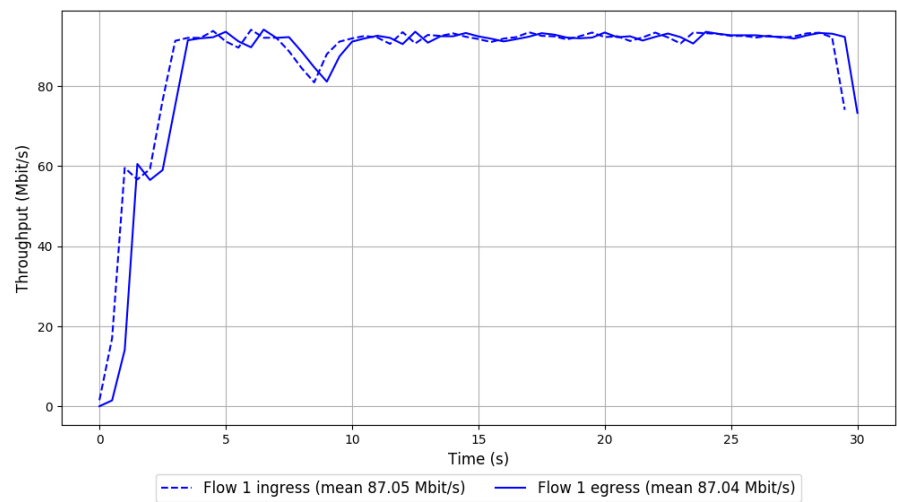
-- Flow 1:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 19.810 ms

Loss rate: 0.08%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 01:30:43

End at: 2018-07-18 01:31:13

Local clock offset: 2.6 ms

Remote clock offset: -8.288 ms

Below is generated by plot.py at 2018-07-18 04:58:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.56 Mbit/s

95th percentile per-packet one-way delay: 20.018 ms

Loss rate: 0.09%

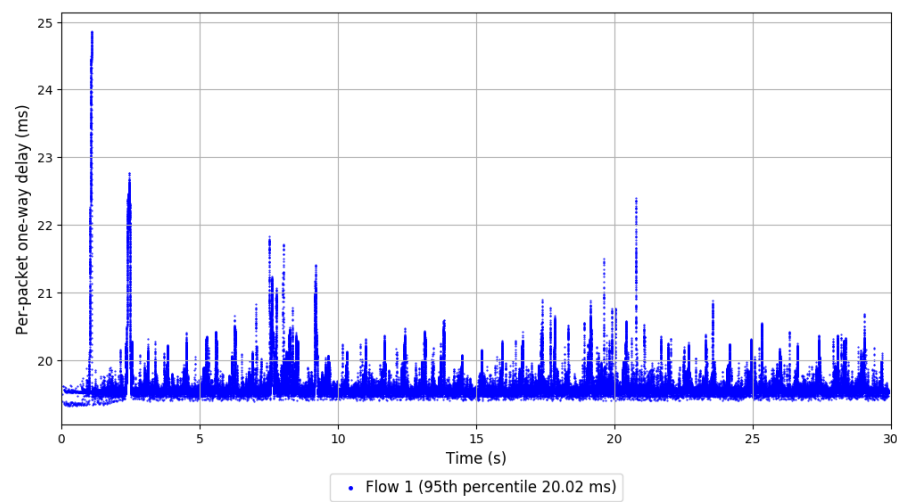
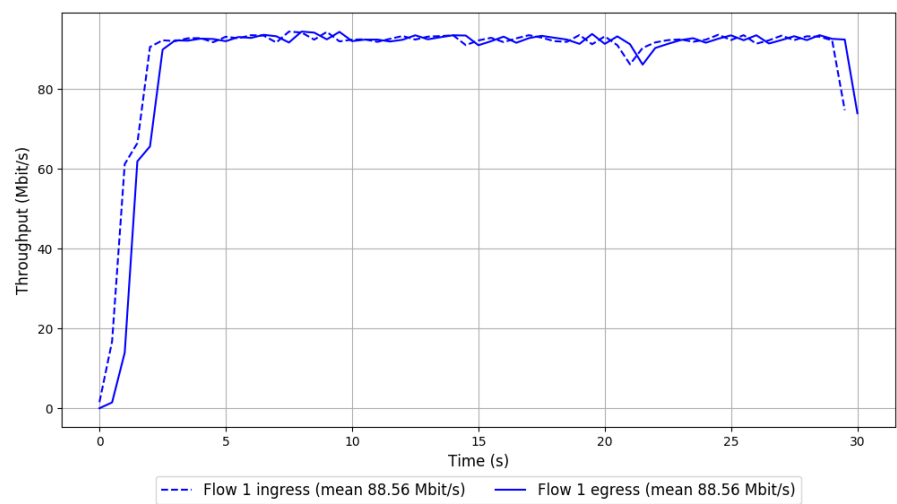
-- Flow 1:

Average throughput: 88.56 Mbit/s

95th percentile per-packet one-way delay: 20.018 ms

Loss rate: 0.09%

Run 2: Report of PCC-Vivace — Data Link

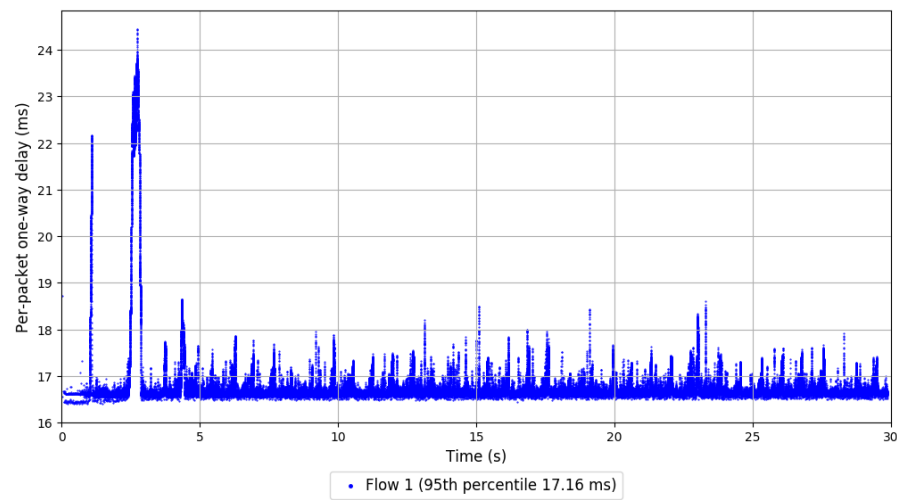
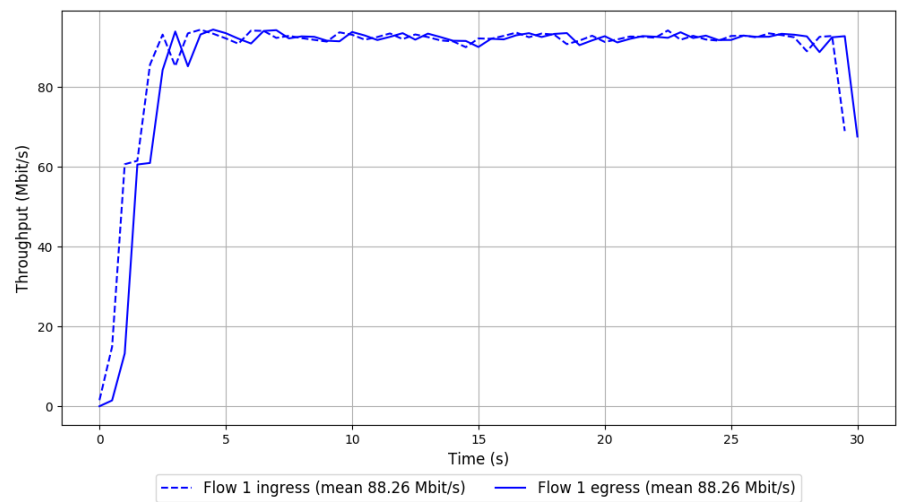


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 01:51:07
End at: 2018-07-18 01:51:37
Local clock offset: 1.303 ms
Remote clock offset: -5.722 ms

Below is generated by plot.py at 2018-07-18 04:58:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 17.161 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 17.161 ms
Loss rate: 0.09%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 02:11:33

End at: 2018-07-18 02:12:03

Local clock offset: 0.861 ms

Remote clock offset: -5.366 ms

Below is generated by plot.py at 2018-07-18 04:58:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 18.010 ms

Loss rate: 0.08%

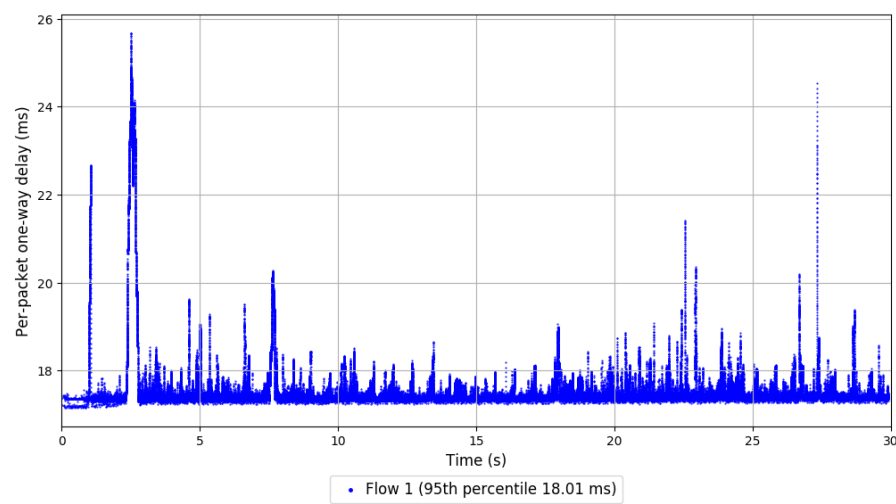
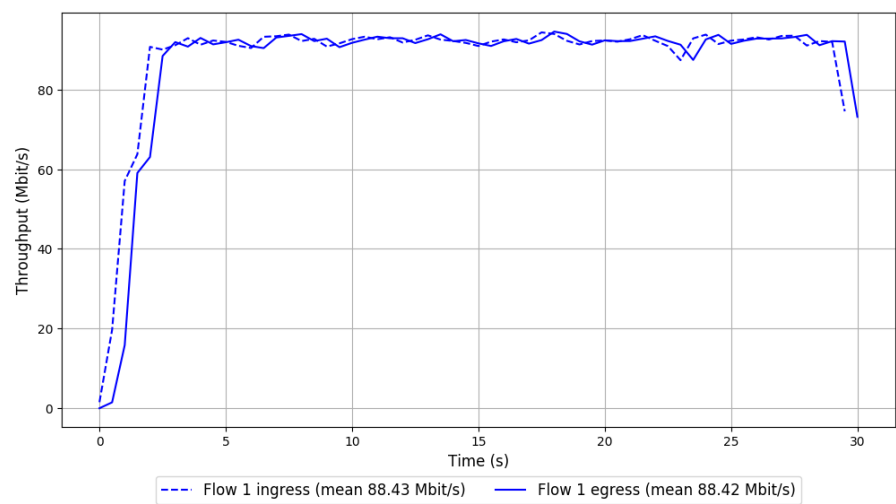
-- Flow 1:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 18.010 ms

Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 02:32:08

End at: 2018-07-18 02:32:38

Local clock offset: 1.051 ms

Remote clock offset: -3.988 ms

Below is generated by plot.py at 2018-07-18 04:58:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 18.552 ms

Loss rate: 0.08%

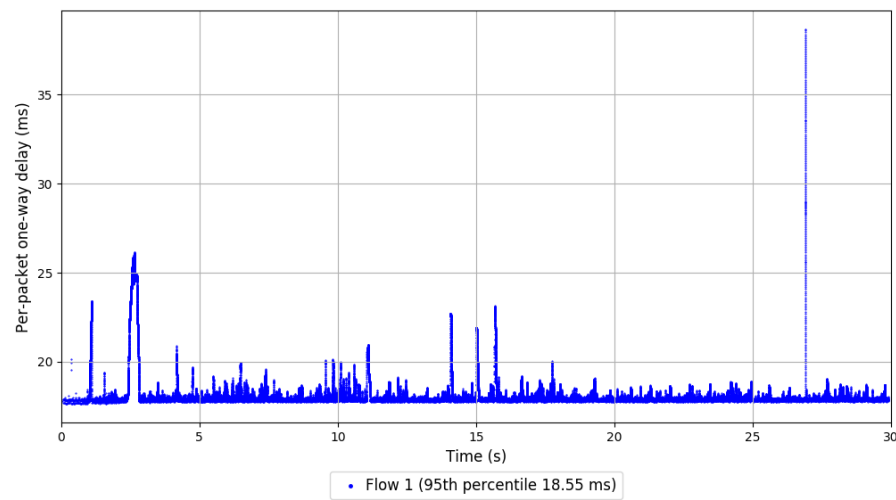
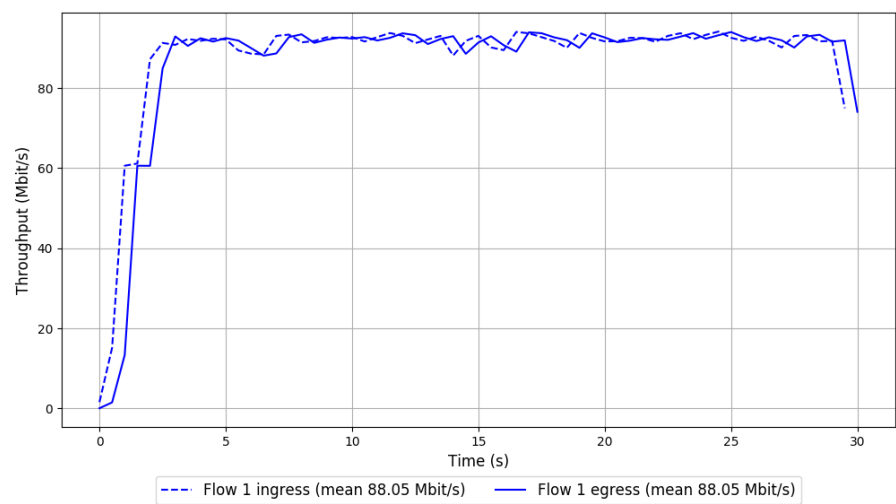
-- Flow 1:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 18.552 ms

Loss rate: 0.08%

Run 5: Report of PCC-Vivace — Data Link

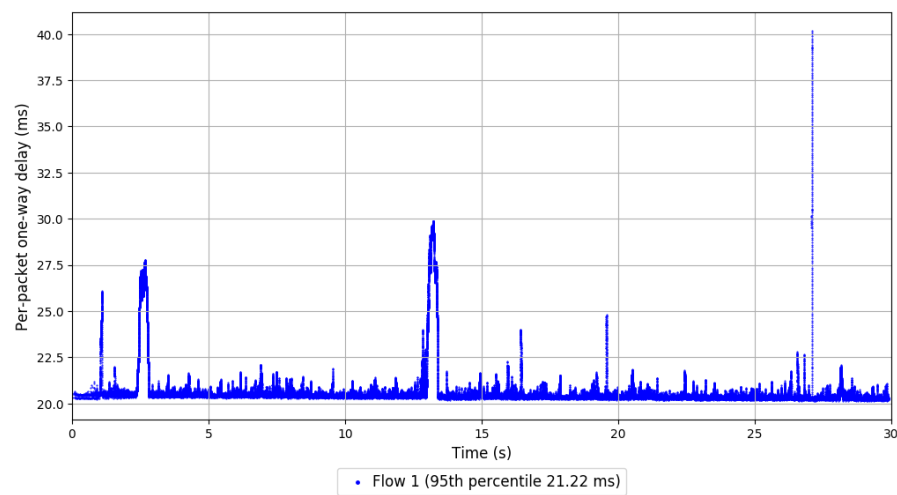
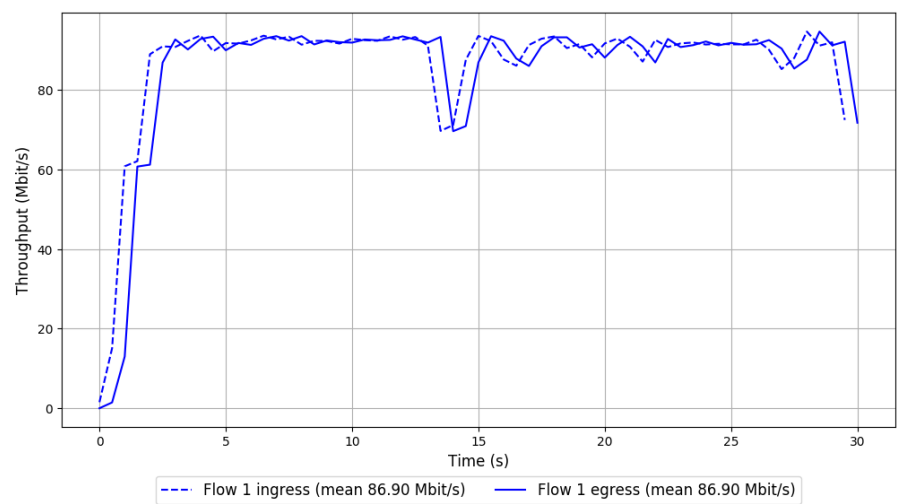


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 02:52:52
End at: 2018-07-18 02:53:22
Local clock offset: 4.189 ms
Remote clock offset: -4.484 ms

Below is generated by plot.py at 2018-07-18 04:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 21.218 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 21.218 ms
Loss rate: 0.08%

Run 6: Report of PCC-Vivace — Data Link

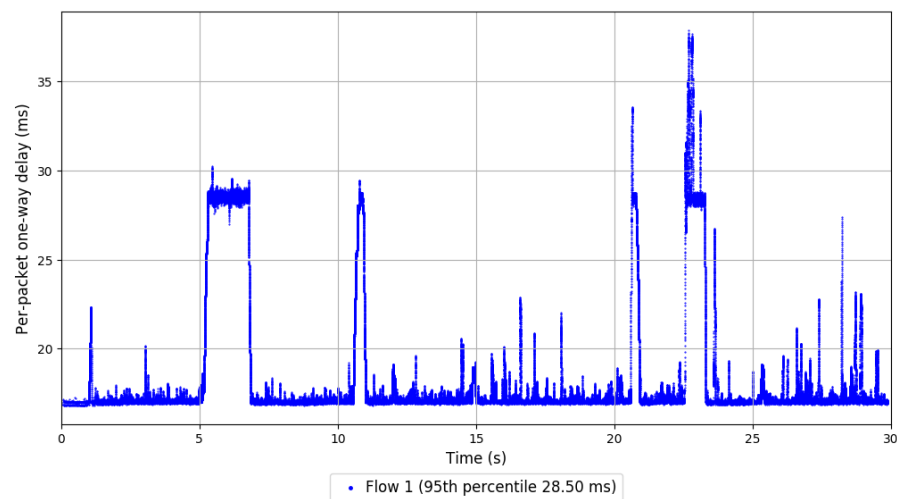
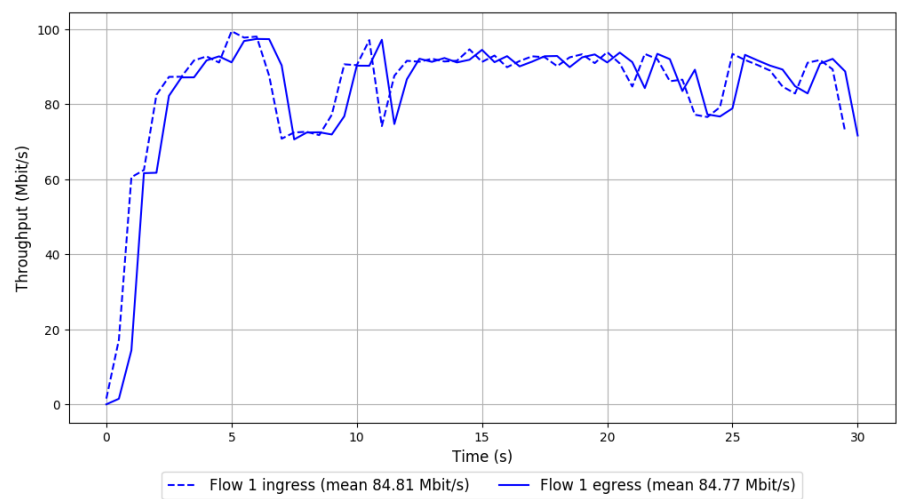


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 03:13:46
End at: 2018-07-18 03:14:16
Local clock offset: -0.108 ms
Remote clock offset: -7.601 ms

Below is generated by plot.py at 2018-07-18 04:59:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 28.496 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 28.496 ms
Loss rate: 0.13%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 03:34:07

End at: 2018-07-18 03:34:37

Local clock offset: 0.66 ms

Remote clock offset: -7.431 ms

Below is generated by plot.py at 2018-07-18 04:59:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 19.387 ms

Loss rate: 0.09%

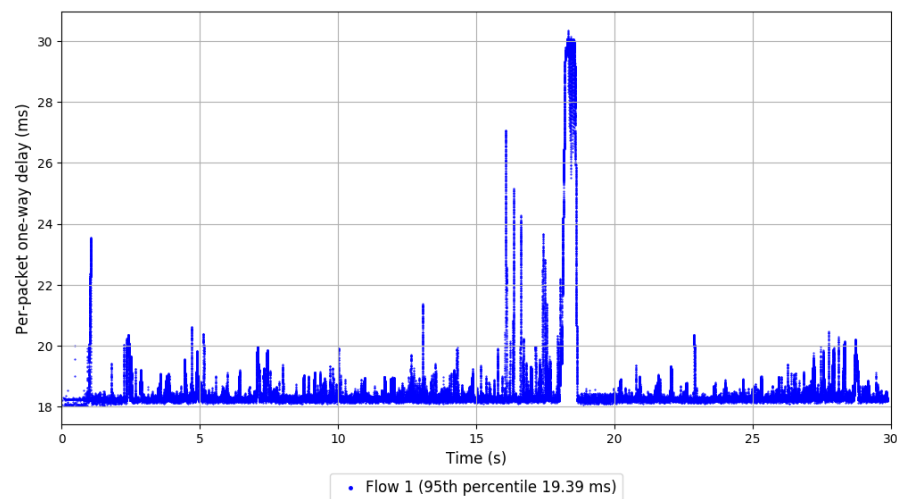
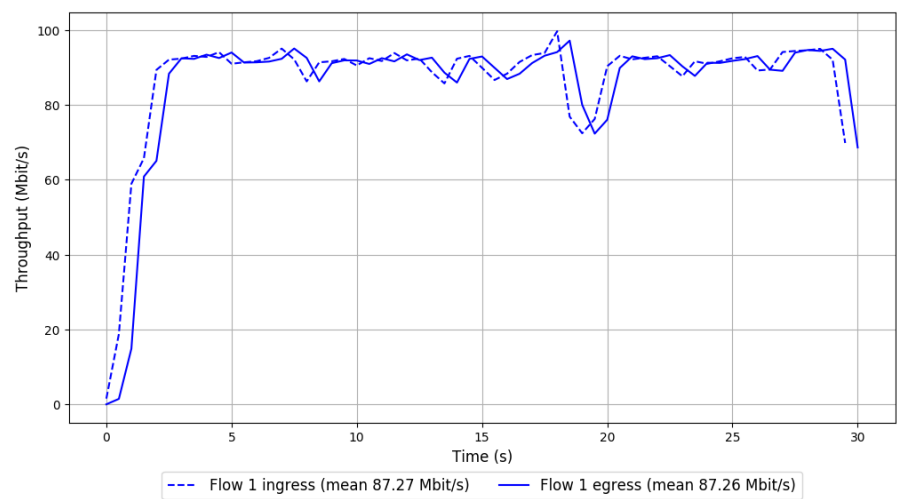
-- Flow 1:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 19.387 ms

Loss rate: 0.09%

Run 8: Report of PCC-Vivace — Data Link

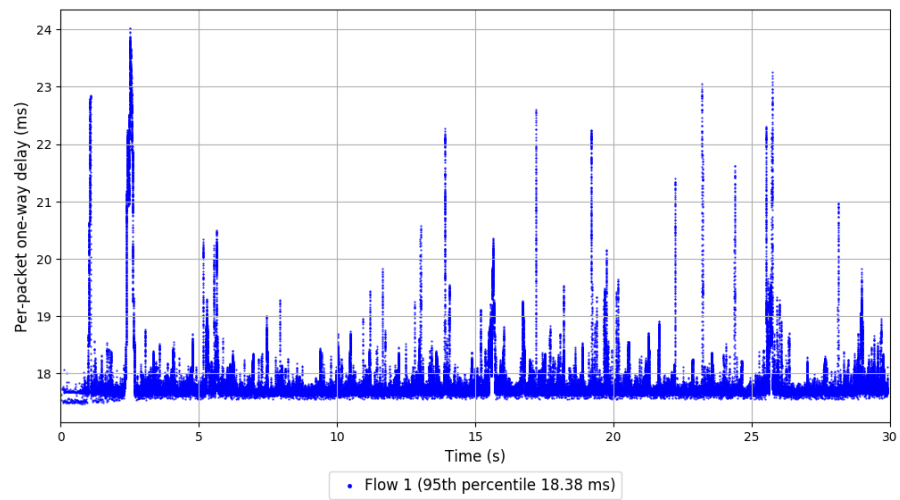
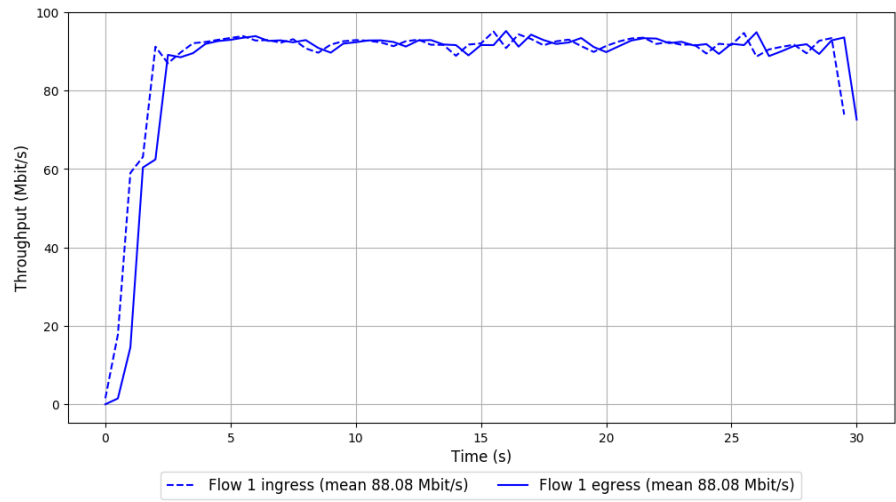


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 03:54:31
End at: 2018-07-18 03:55:01
Local clock offset: 1.187 ms
Remote clock offset: -6.315 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 18.382 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 18.382 ms
Loss rate: 0.08%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 04:14:54

End at: 2018-07-18 04:15:24

Local clock offset: 0.29 ms

Remote clock offset: -11.427 ms

Below is generated by plot.py at 2018-07-18 04:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.91 Mbit/s

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

Loss rate: 0.08%

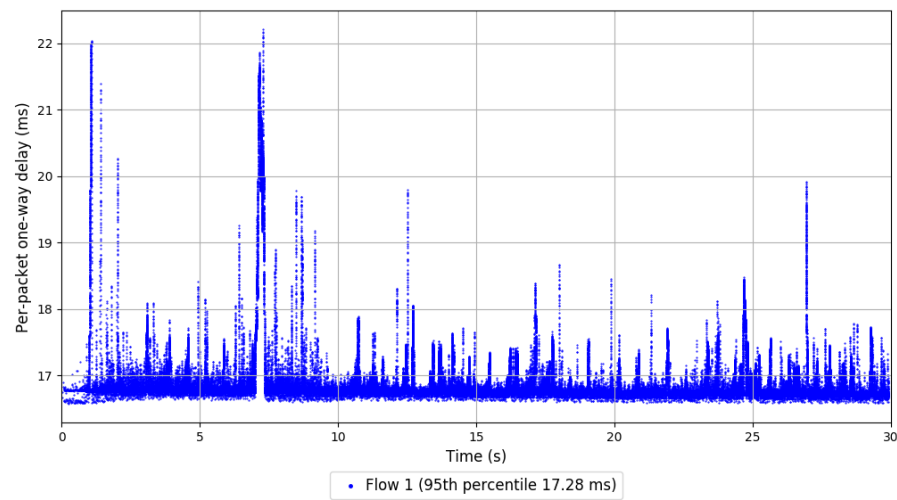
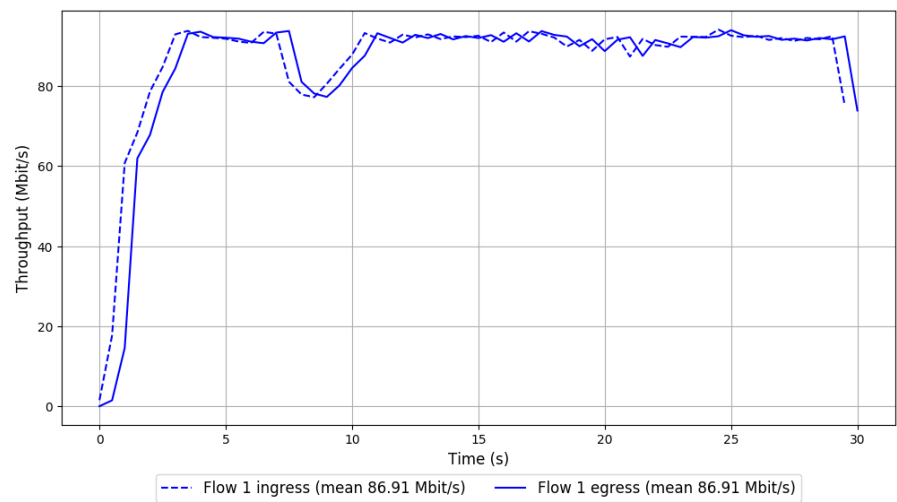
-- Flow 1:

Average throughput: 86.91 Mbit/s

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

Loss rate: 0.08%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-18 01:09:24

End at: 2018-07-18 01:09:54

Local clock offset: 2.739 ms

Remote clock offset: -7.741 ms

Below is generated by plot.py at 2018-07-18 04:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 19.809 ms

Loss rate: 0.06%

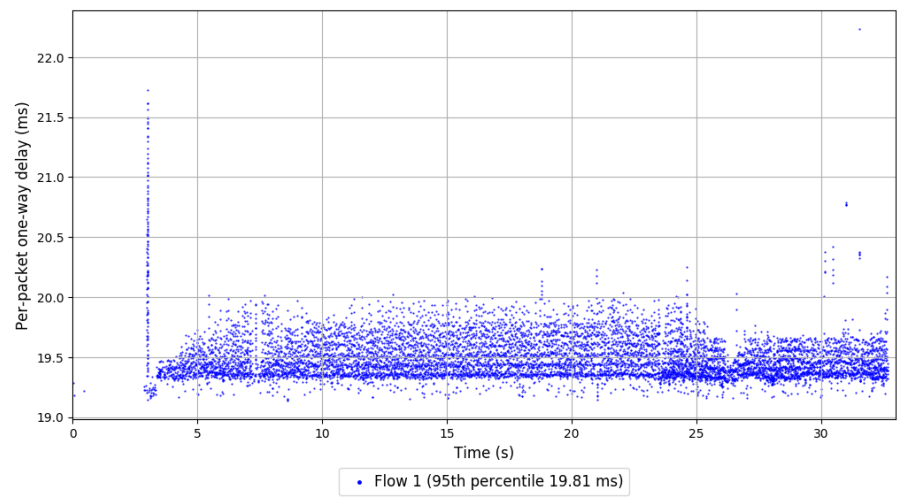
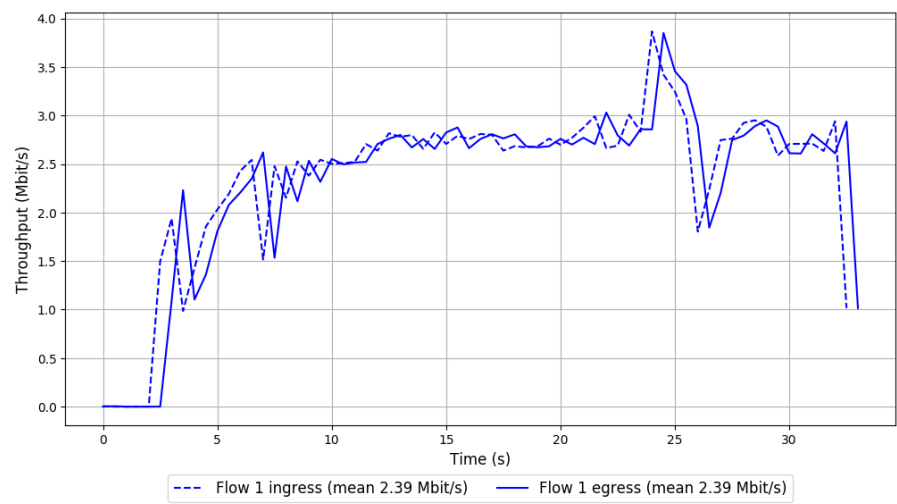
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 19.809 ms

Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link

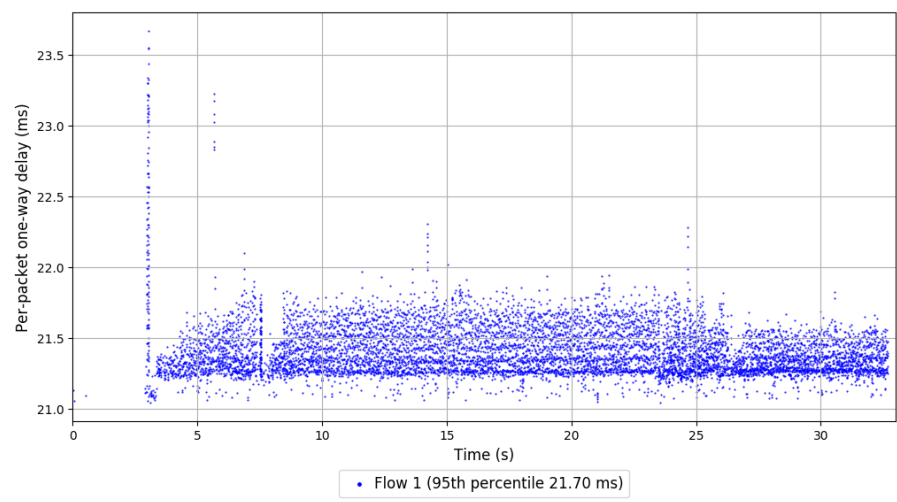
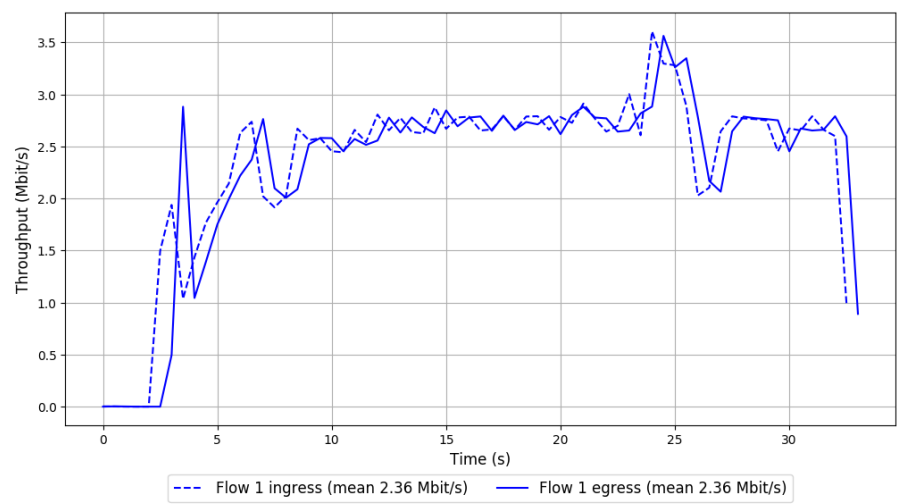


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 01:29:38
End at: 2018-07-18 01:30:08
Local clock offset: 3.867 ms
Remote clock offset: -8.718 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 21.699 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 21.699 ms
Loss rate: 0.13%

Run 2: Report of WebRTC media — Data Link

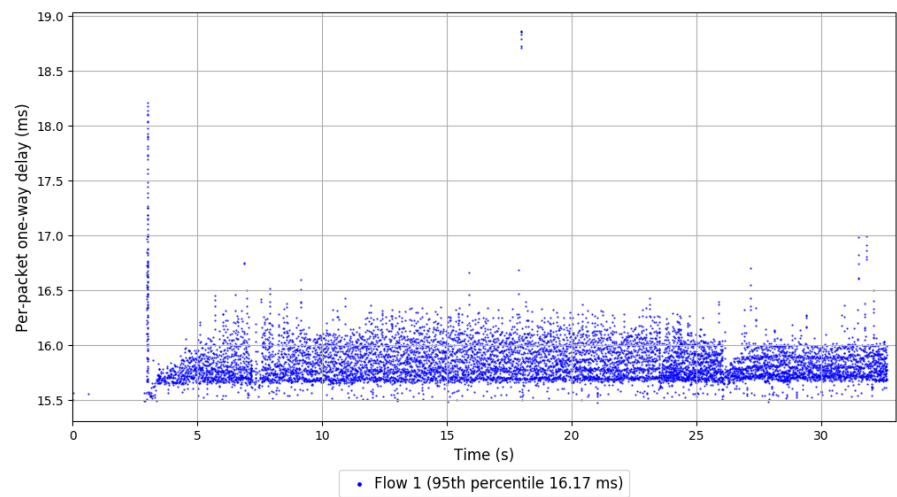
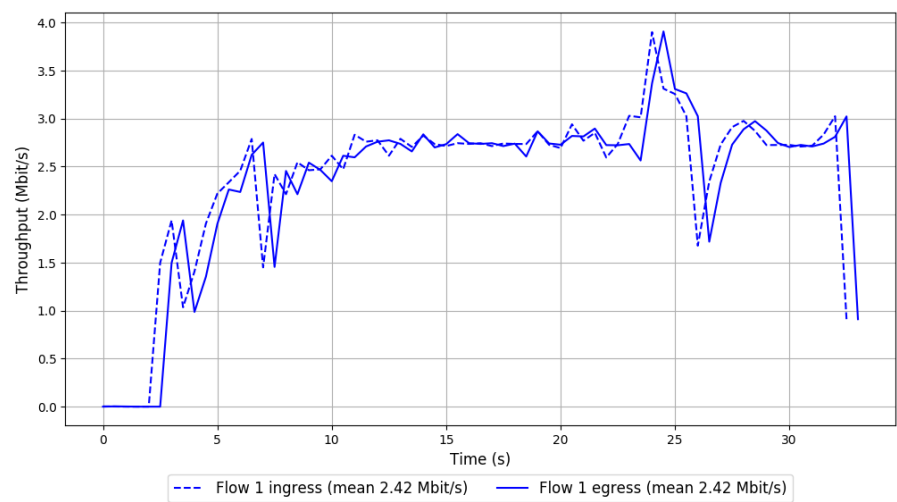


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 01:50:02
End at: 2018-07-18 01:50:32
Local clock offset: -0.199 ms
Remote clock offset: -6.301 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 16.171 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 16.171 ms
Loss rate: 0.06%

Run 3: Report of WebRTC media — Data Link

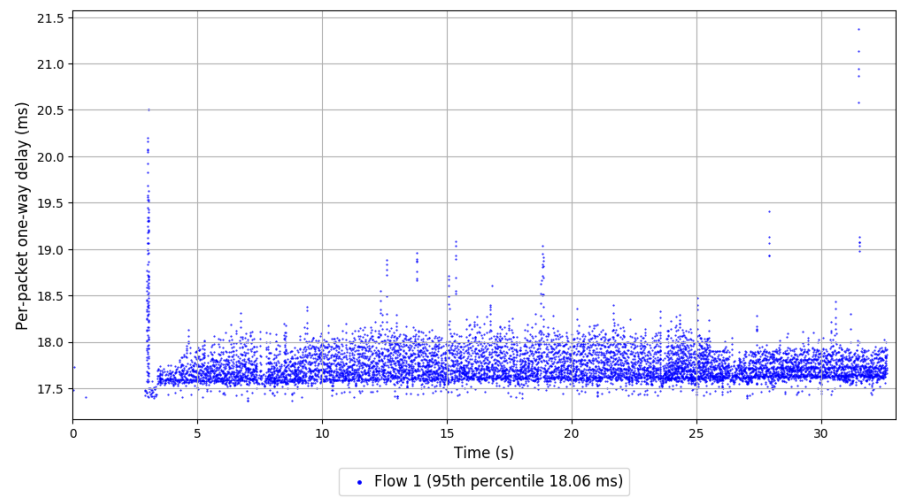
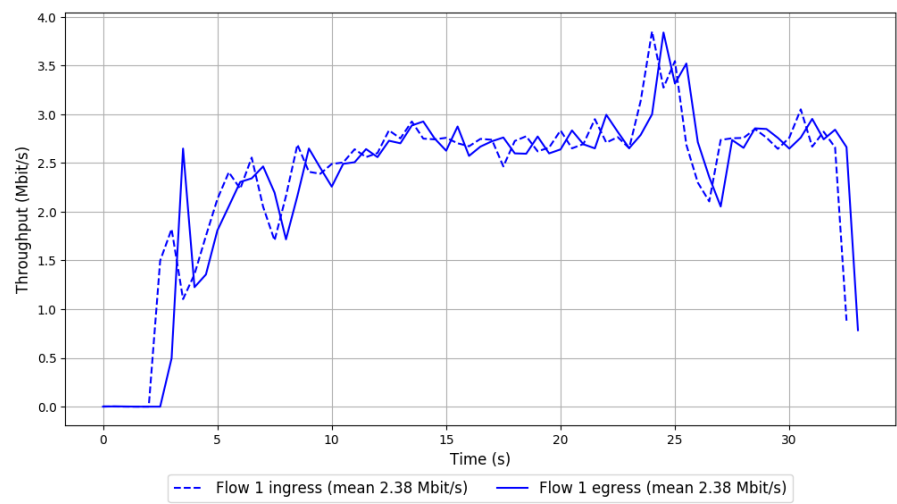


Run 4: Statistics of WebRTC media

Start at: 2018-07-18 02:10:29
End at: 2018-07-18 02:10:59
Local clock offset: 0.327 ms
Remote clock offset: -6.178 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 18.064 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 18.064 ms
Loss rate: 0.13%

Run 4: Report of WebRTC media — Data Link

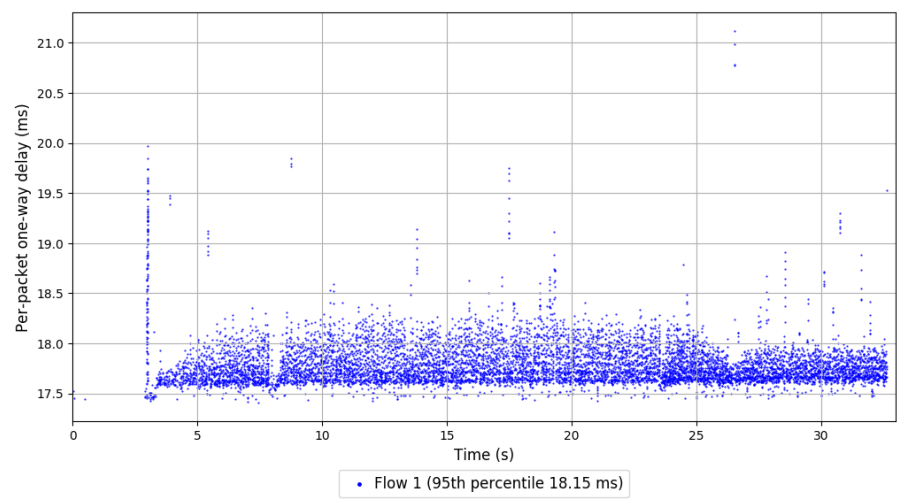
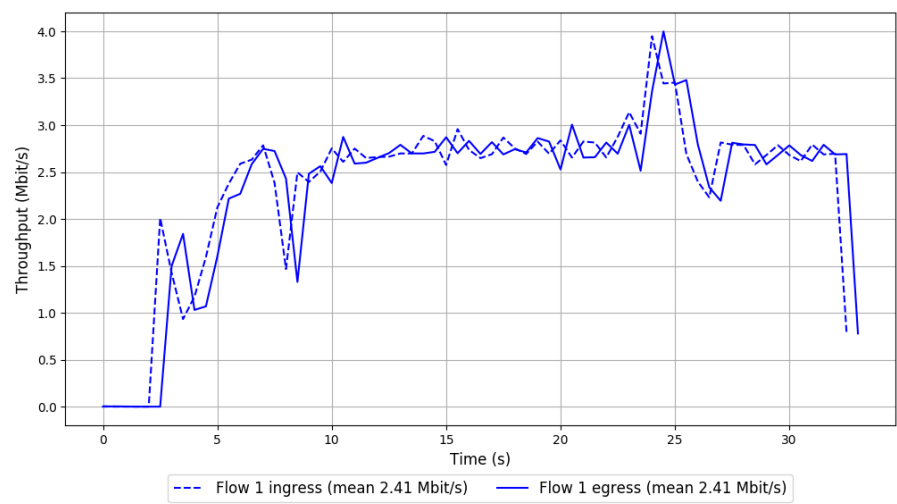


Run 5: Statistics of WebRTC media

Start at: 2018-07-18 02:31:04
End at: 2018-07-18 02:31:34
Local clock offset: 1.094 ms
Remote clock offset: -3.758 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.154 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.154 ms
Loss rate: 0.08%

Run 5: Report of WebRTC media — Data Link

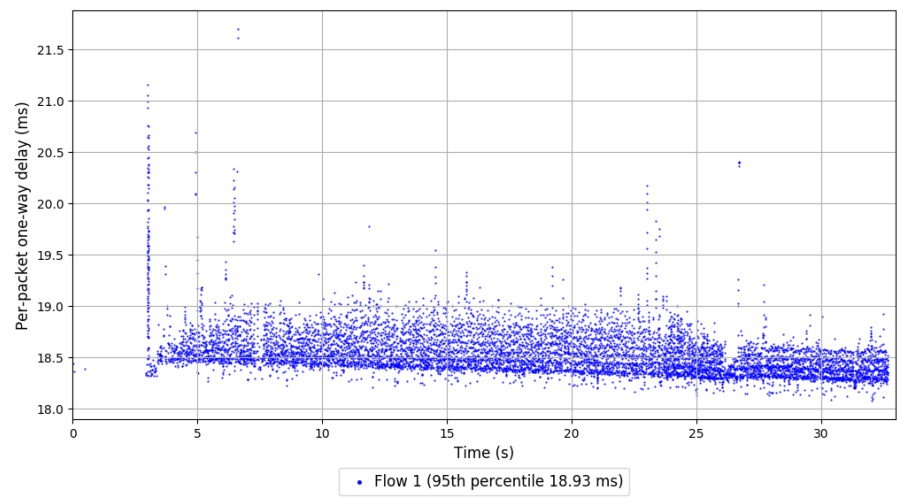
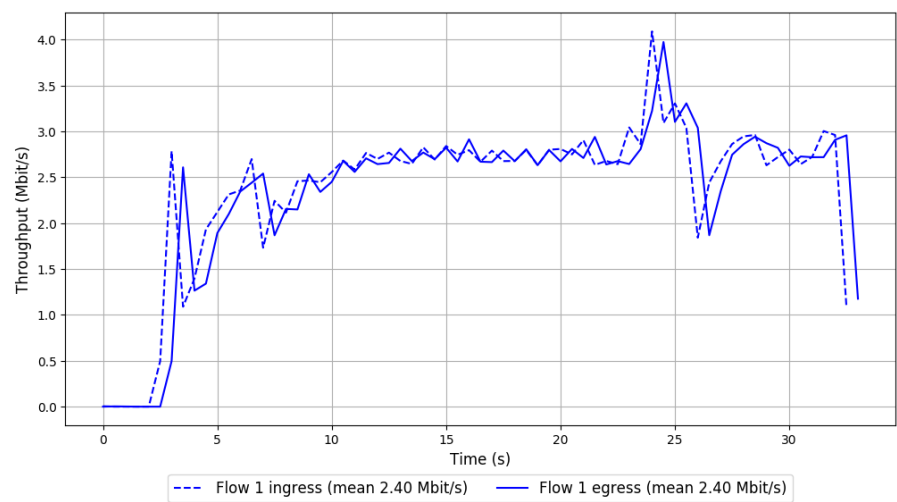


Run 6: Statistics of WebRTC media

Start at: 2018-07-18 02:51:48
End at: 2018-07-18 02:52:18
Local clock offset: 2.006 ms
Remote clock offset: -4.178 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.927 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.927 ms
Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link

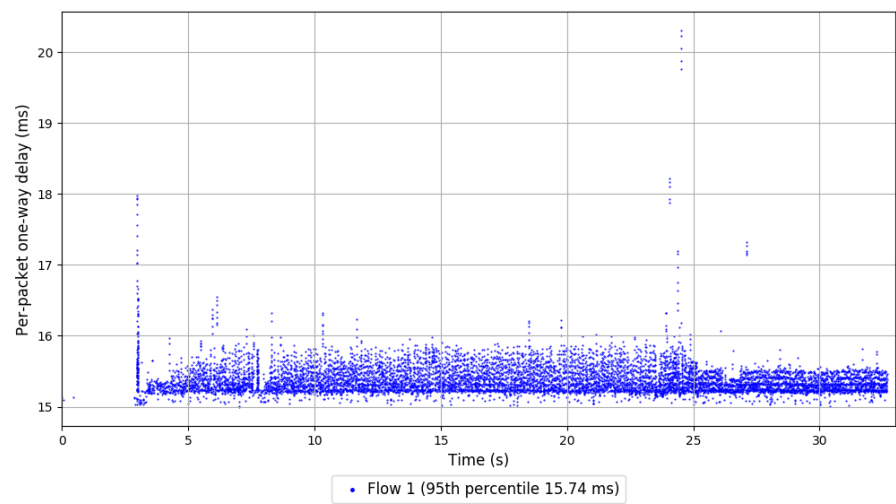
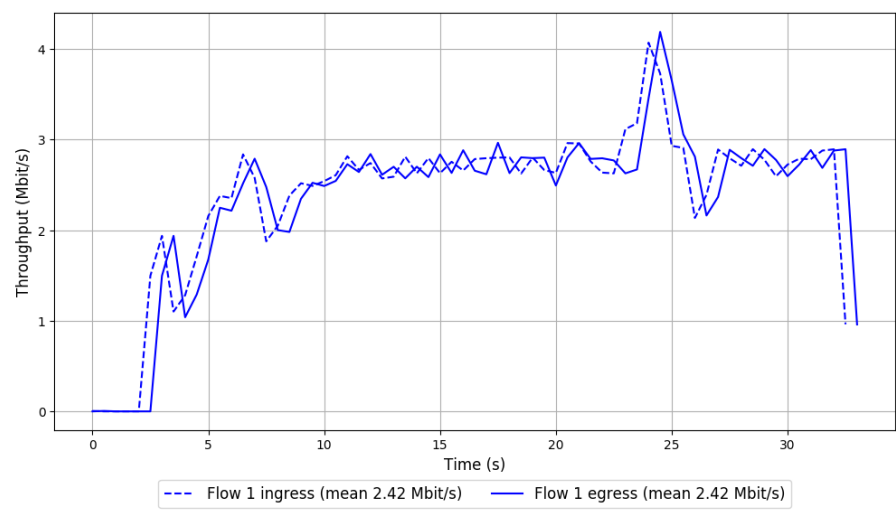


Run 7: Statistics of WebRTC media

Start at: 2018-07-18 03:12:41
End at: 2018-07-18 03:13:11
Local clock offset: -1.318 ms
Remote clock offset: -6.962 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 15.743 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 15.743 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link

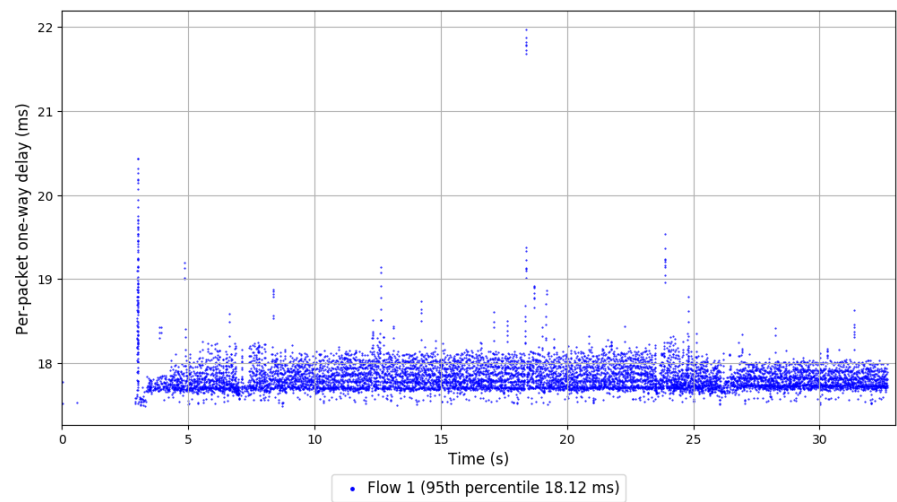
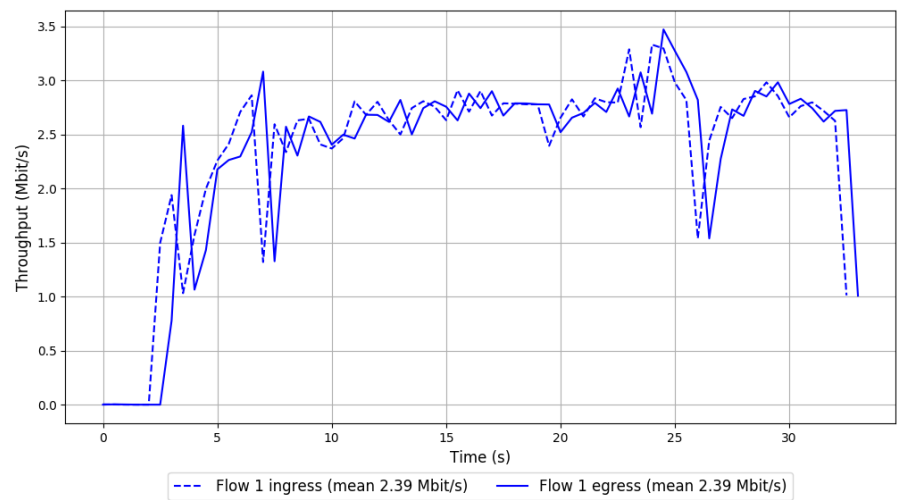


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 03:33:02
End at: 2018-07-18 03:33:32
Local clock offset: 0.636 ms
Remote clock offset: -6.923 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.121 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.121 ms
Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link

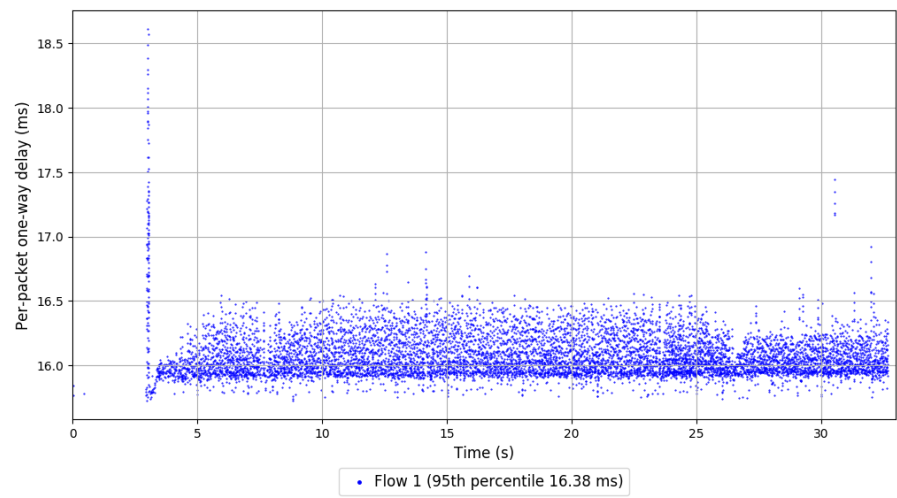
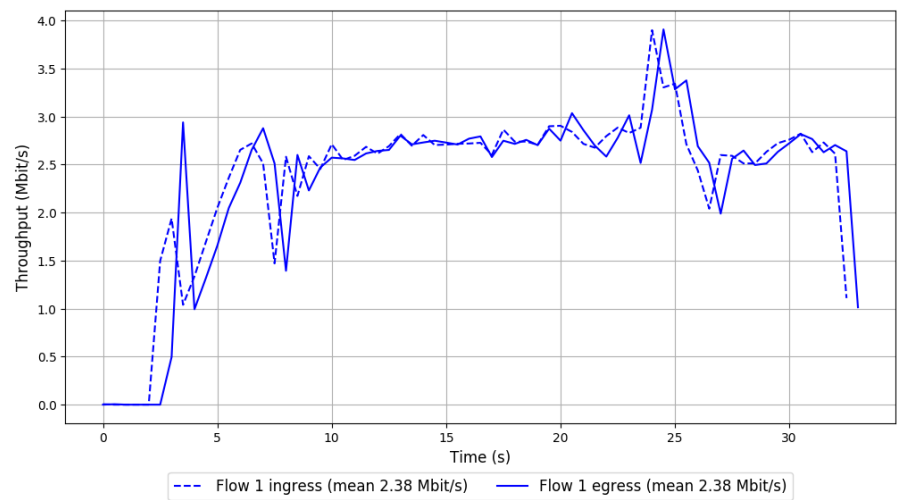


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 03:53:27
End at: 2018-07-18 03:53:57
Local clock offset: -0.74 ms
Remote clock offset: -6.501 ms

Below is generated by plot.py at 2018-07-18 04:59:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 16.378 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 16.378 ms
Loss rate: 0.12%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 04:13:50

End at: 2018-07-18 04:14:20

Local clock offset: 0.422 ms

Remote clock offset: -11.616 ms

Below is generated by plot.py at 2018-07-18 04:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 17.686 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 17.686 ms

Loss rate: 0.06%

Run 10: Report of WebRTC media — Data Link

