

Pantheon Report

Generated at 2018-08-01 22:44:35 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

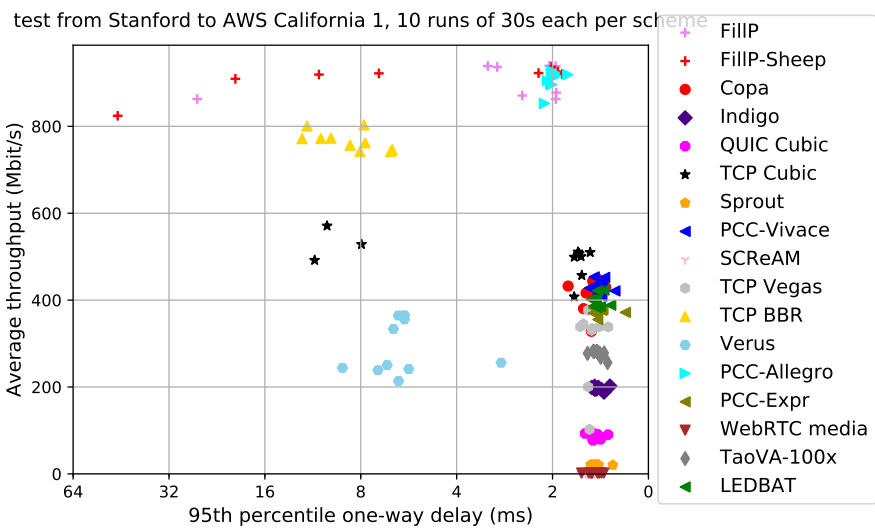
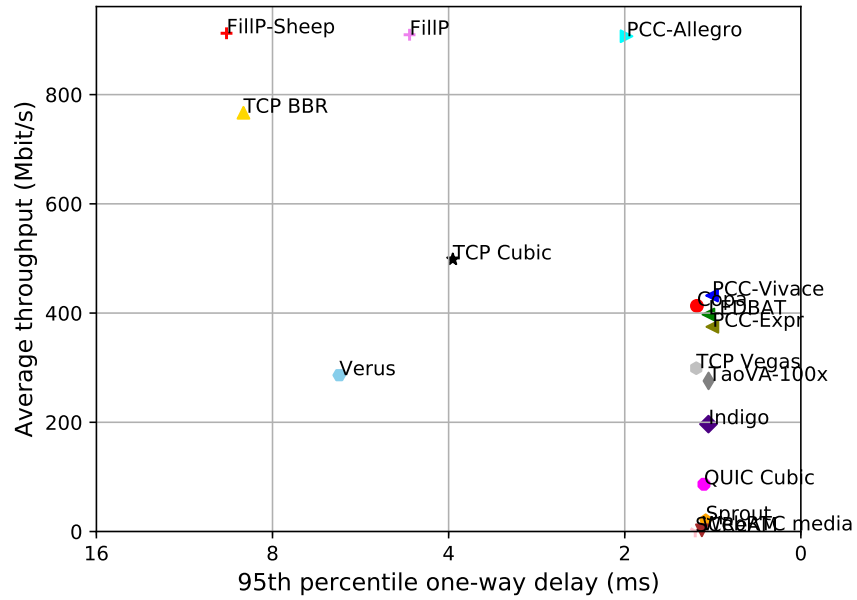
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
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
```

test from Stanford to AWS California 1, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	766.74	8.97	0.07
Copa	10	413.19	1.18	0.07
TCP Cubic	10	498.29	3.93	0.06
FillP	10	909.60	4.66	0.13
FillP-Sheep	10	912.32	9.59	0.75
Indigo	10	196.66	1.05	0.06
LEDBAT	10	397.41	1.05	0.07
PCC-Allegro	10	906.84	1.98	0.07
PCC-Expr	10	374.88	1.00	0.07
QUIC Cubic	10	86.53	1.10	0.07
SCReAM	10	0.22	1.20	0.09
Sprout	10	20.73	1.08	0.09
TaoVA-100x	10	275.80	1.05	0.06
TCP Vegas	10	299.08	1.19	0.06
Verus	10	286.25	6.15	0.06
PCC-Vivace	10	432.05	1.01	0.07
WebRTC media	10	2.12	1.12	0.08

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 16:37:25

End at: 2018-08-01 16:37:55

Local clock offset: 0.145 ms

Remote clock offset: 0.695 ms

Below is generated by plot.py at 2018-08-01 20:59:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 771.53 Mbit/s

95th percentile per-packet one-way delay: 12.227 ms

Loss rate: 0.09%

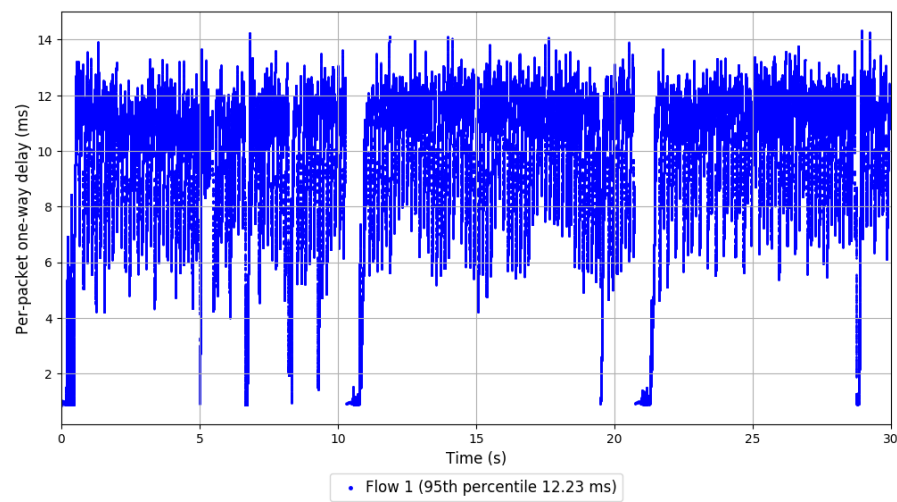
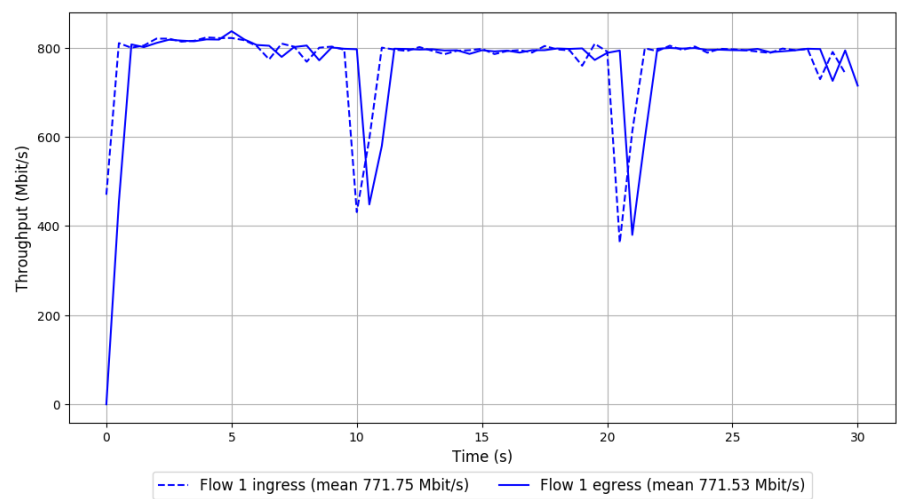
-- Flow 1:

Average throughput: 771.53 Mbit/s

95th percentile per-packet one-way delay: 12.227 ms

Loss rate: 0.09%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-01 17:03:29

End at: 2018-08-01 17:03:59

Local clock offset: 0.177 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-08-01 21:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.71 Mbit/s

95th percentile per-packet one-way delay: 9.926 ms

Loss rate: 0.08%

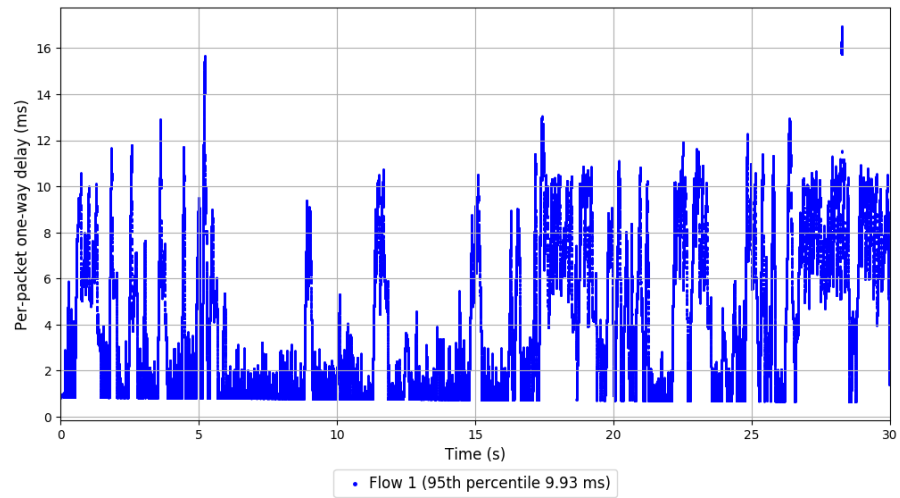
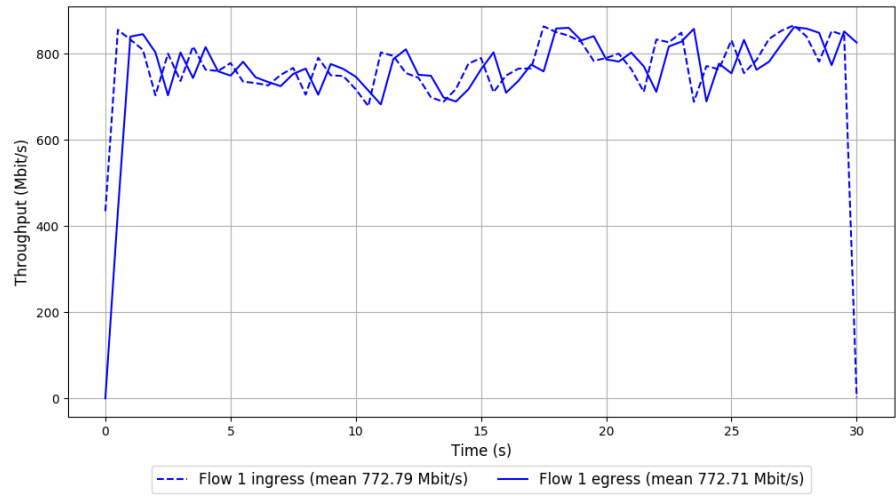
-- Flow 1:

Average throughput: 772.71 Mbit/s

95th percentile per-packet one-way delay: 9.926 ms

Loss rate: 0.08%

Run 2: Report of TCP BBR — Data Link

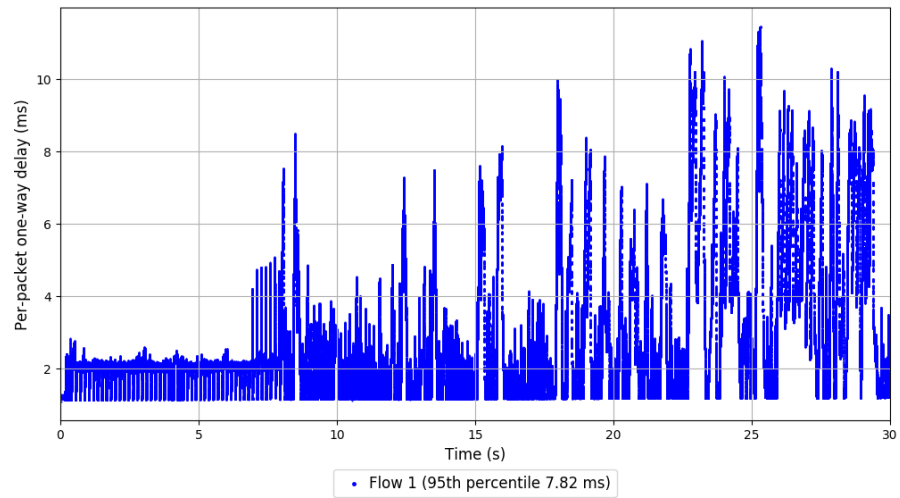
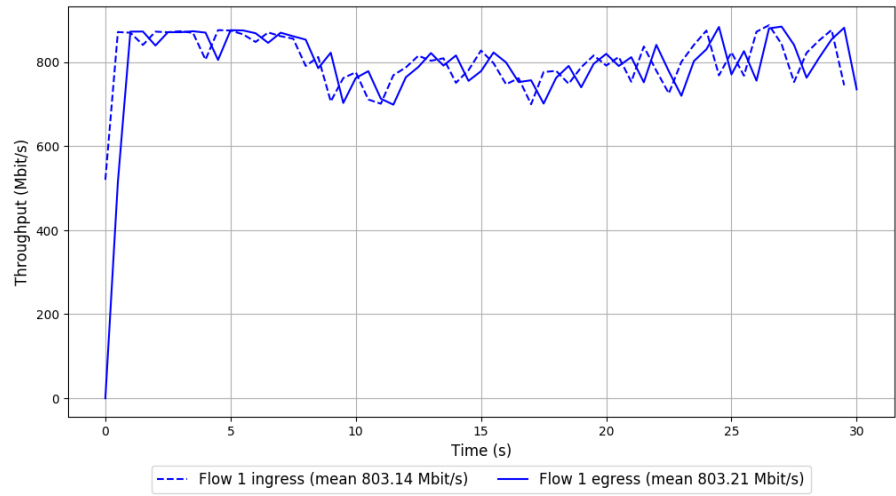


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 17:29:27
End at: 2018-08-01 17:29:57
Local clock offset: -1.642 ms
Remote clock offset: -4.195 ms

Below is generated by plot.py at 2018-08-01 21:00:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 803.21 Mbit/s
95th percentile per-packet one-way delay: 7.815 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 803.21 Mbit/s
95th percentile per-packet one-way delay: 7.815 ms
Loss rate: 0.03%

Run 3: Report of TCP BBR — Data Link

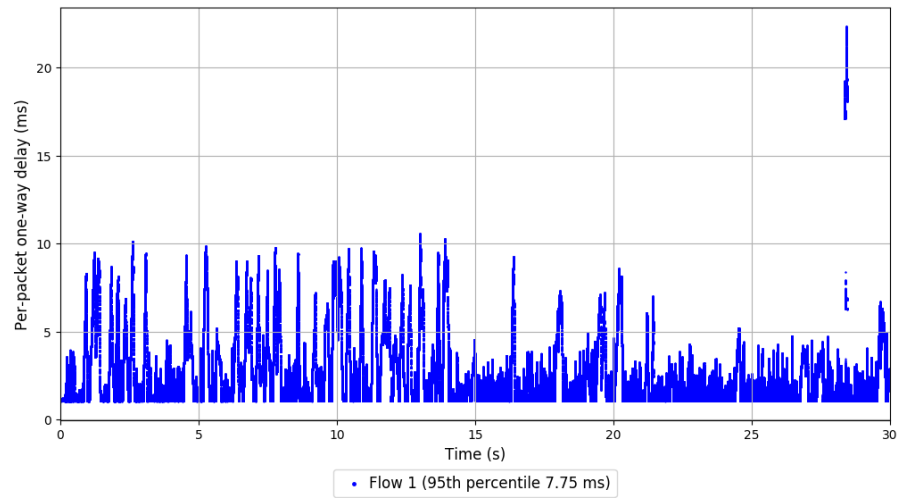
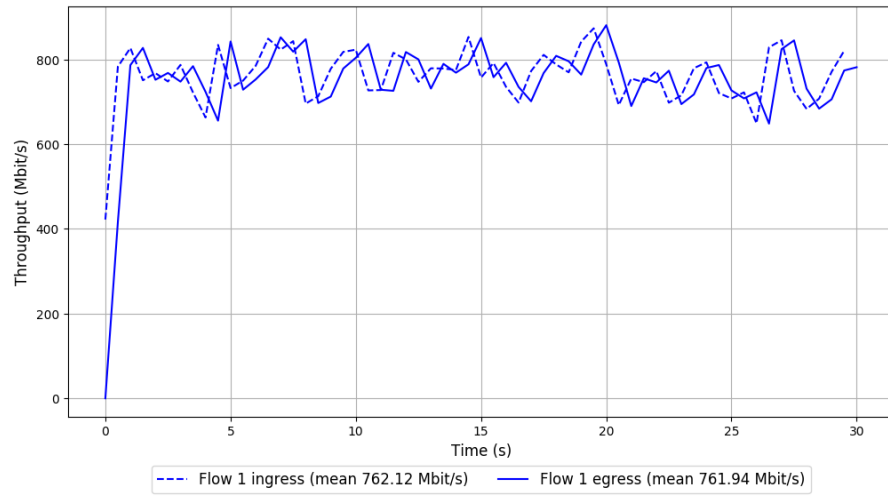


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 17:55:32
End at: 2018-08-01 17:56:02
Local clock offset: -4.149 ms
Remote clock offset: -3.548 ms

Below is generated by plot.py at 2018-08-01 21:00:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 761.94 Mbit/s
95th percentile per-packet one-way delay: 7.747 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 761.94 Mbit/s
95th percentile per-packet one-way delay: 7.747 ms
Loss rate: 0.09%

Run 4: Report of TCP BBR — Data Link

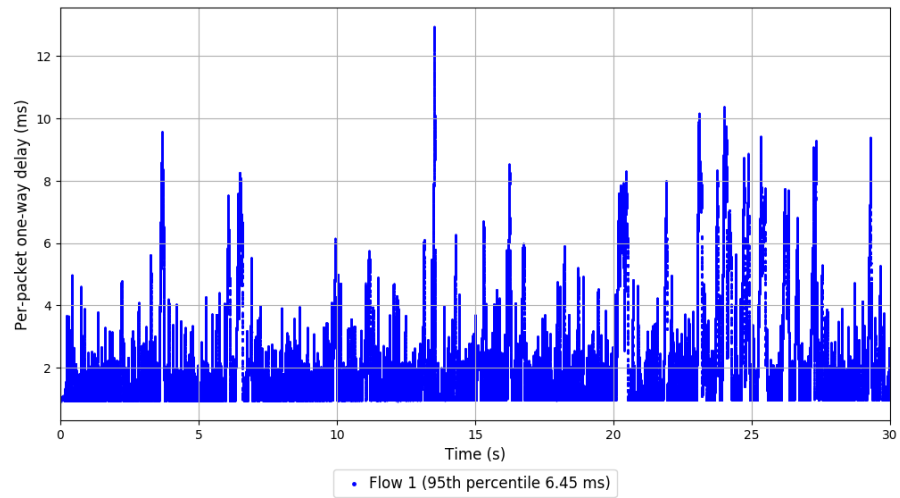
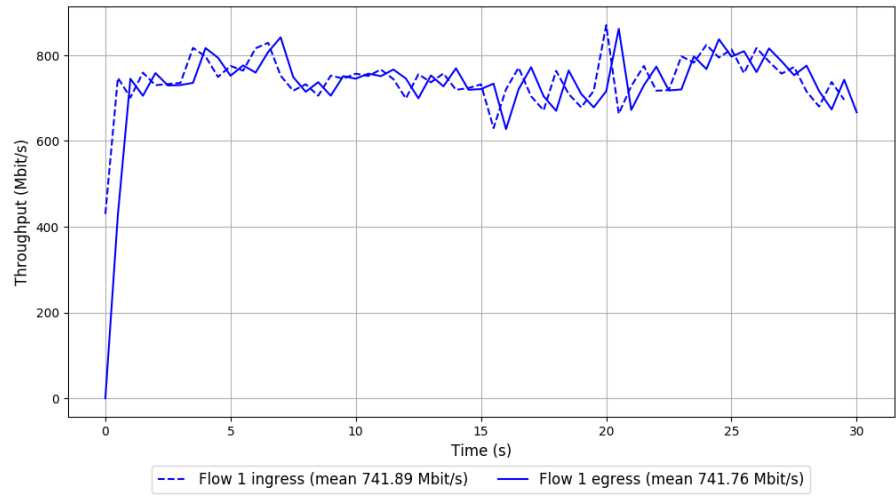


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 18:21:27
End at: 2018-08-01 18:21:57
Local clock offset: -5.928 ms
Remote clock offset: -3.213 ms

Below is generated by plot.py at 2018-08-01 21:00:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 741.76 Mbit/s
95th percentile per-packet one-way delay: 6.447 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 741.76 Mbit/s
95th percentile per-packet one-way delay: 6.447 ms
Loss rate: 0.08%

Run 5: Report of TCP BBR — Data Link

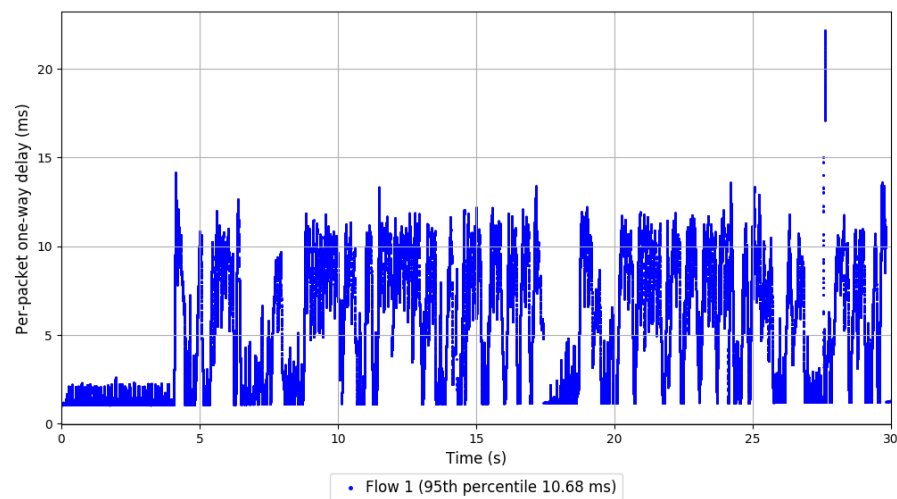
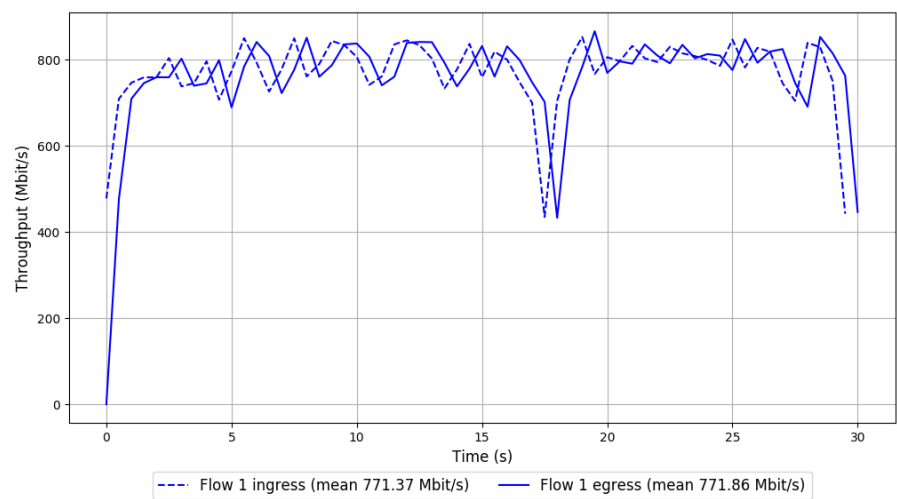


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 18:47:21
End at: 2018-08-01 18:47:51
Local clock offset: -7.55 ms
Remote clock offset: -1.928 ms

Below is generated by plot.py at 2018-08-01 21:00:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 771.86 Mbit/s
95th percentile per-packet one-way delay: 10.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 771.86 Mbit/s
95th percentile per-packet one-way delay: 10.676 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-01 19:13:18

End at: 2018-08-01 19:13:48

Local clock offset: 1.319 ms

Remote clock offset: 0.735 ms

Below is generated by plot.py at 2018-08-01 21:00:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 756.26 Mbit/s

95th percentile per-packet one-way delay: 8.640 ms

Loss rate: 0.08%

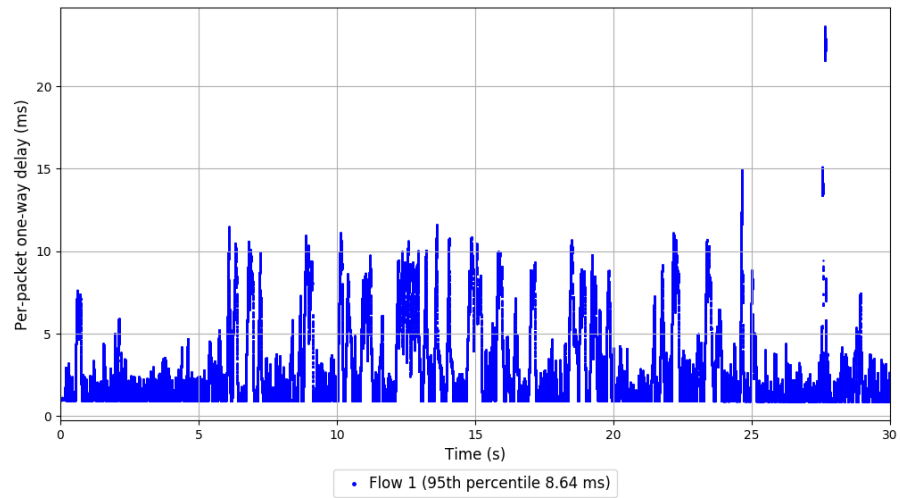
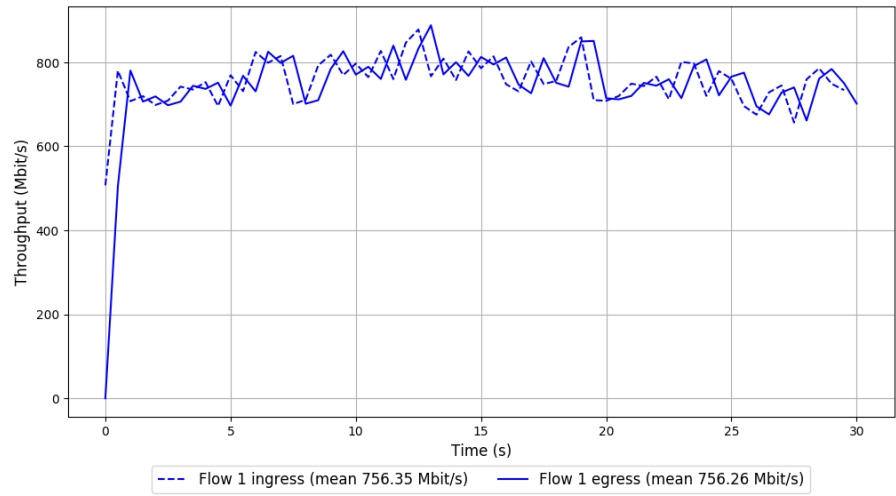
-- Flow 1:

Average throughput: 756.26 Mbit/s

95th percentile per-packet one-way delay: 8.640 ms

Loss rate: 0.08%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-01 19:39:14

End at: 2018-08-01 19:39:44

Local clock offset: 1.588 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-01 21:00:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 745.69 Mbit/s

95th percentile per-packet one-way delay: 6.371 ms

Loss rate: 0.05%

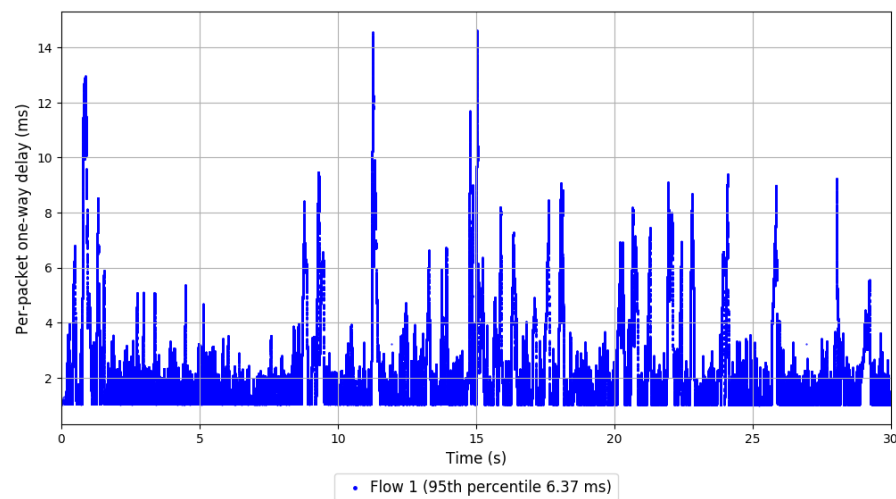
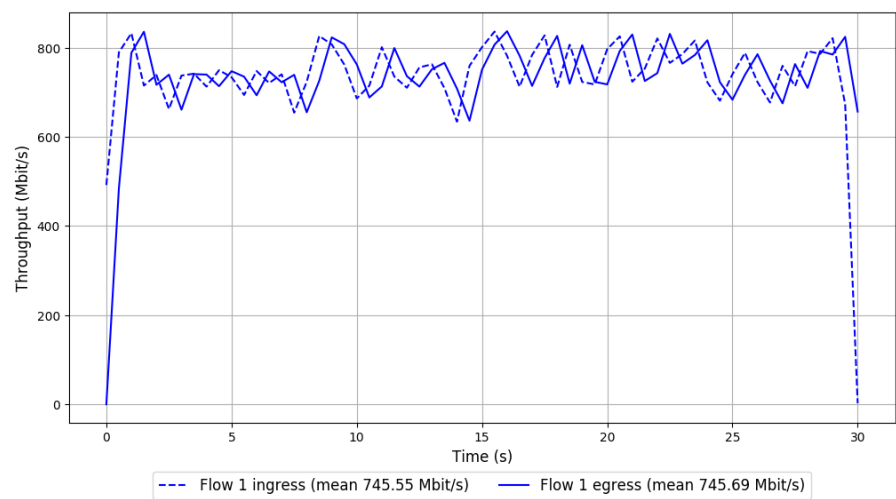
-- Flow 1:

Average throughput: 745.69 Mbit/s

95th percentile per-packet one-way delay: 6.371 ms

Loss rate: 0.05%

Run 8: Report of TCP BBR — Data Link

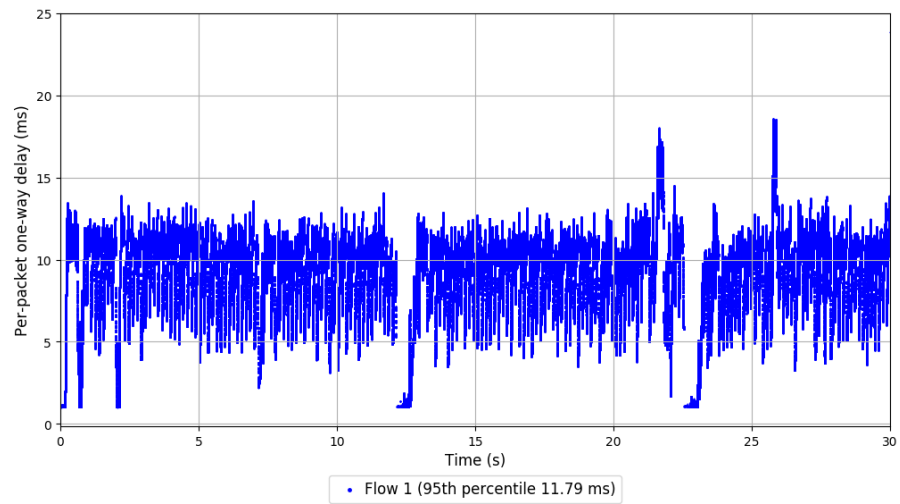
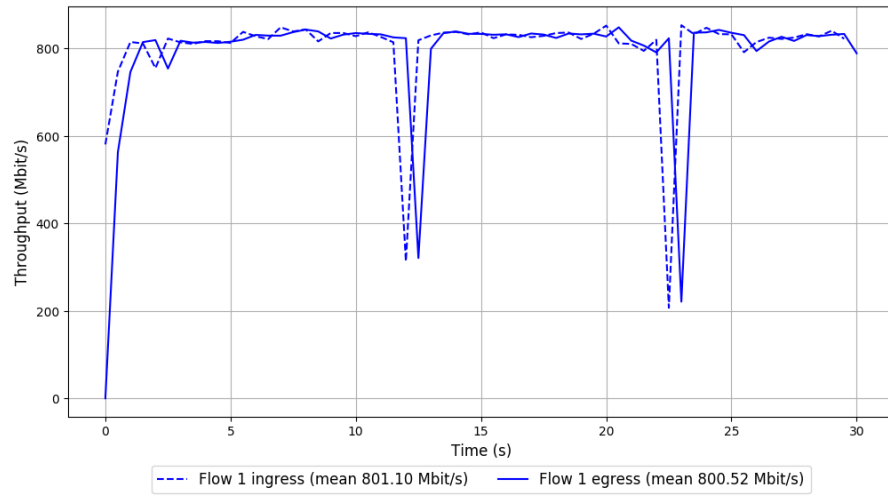


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 20:05:11
End at: 2018-08-01 20:05:41
Local clock offset: 1.055 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-01 21:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 800.52 Mbit/s
95th percentile per-packet one-way delay: 11.794 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 800.52 Mbit/s
95th percentile per-packet one-way delay: 11.794 ms
Loss rate: 0.11%

Run 9: Report of TCP BBR — Data Link

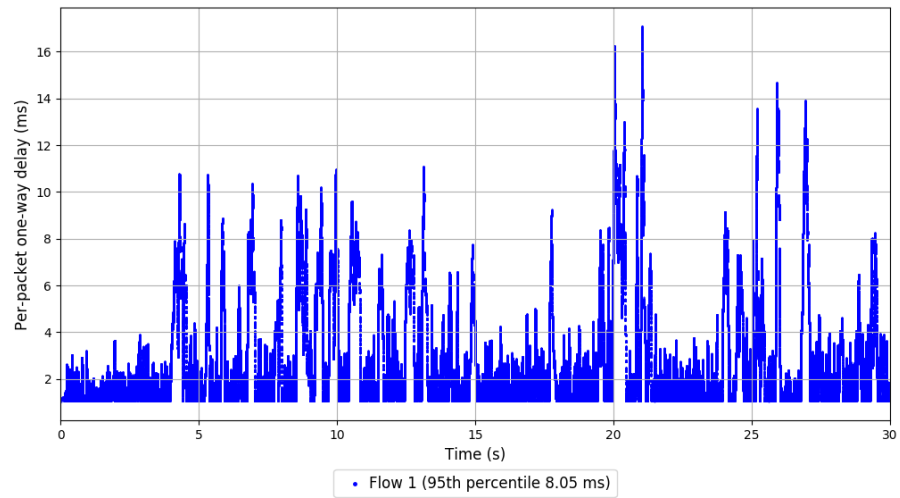
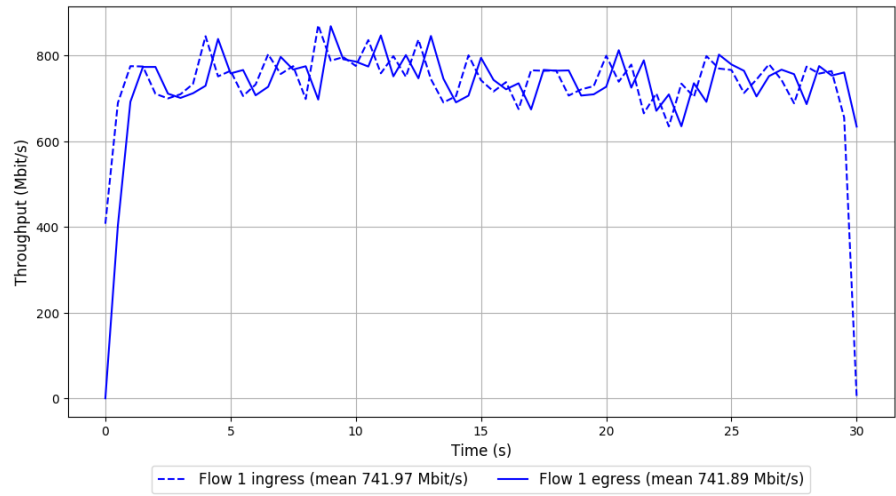


Run 10: Statistics of TCP BBR

Start at: 2018-08-01 20:31:05
End at: 2018-08-01 20:31:35
Local clock offset: 0.683 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-01 21:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 741.89 Mbit/s
95th percentile per-packet one-way delay: 8.047 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 741.89 Mbit/s
95th percentile per-packet one-way delay: 8.047 ms
Loss rate: 0.08%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-01 16:35:44

End at: 2018-08-01 16:36:14

Local clock offset: 0.217 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2018-08-01 21:08:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.43 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.08%

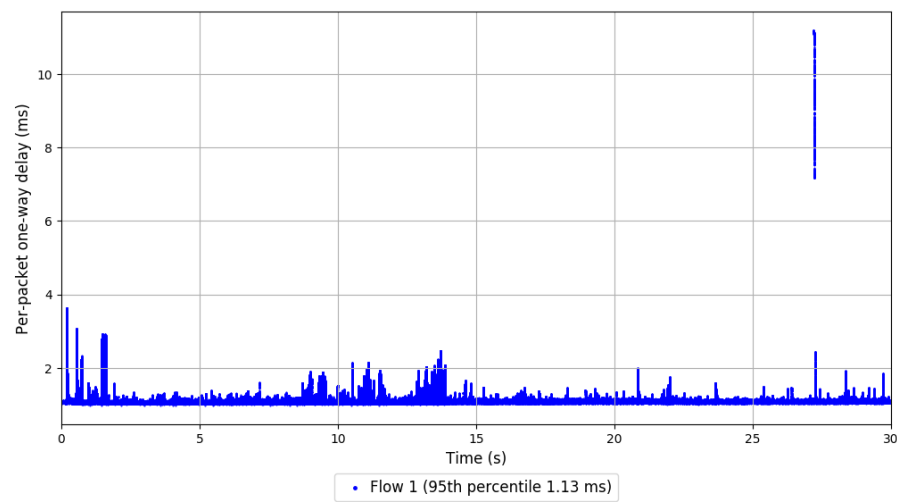
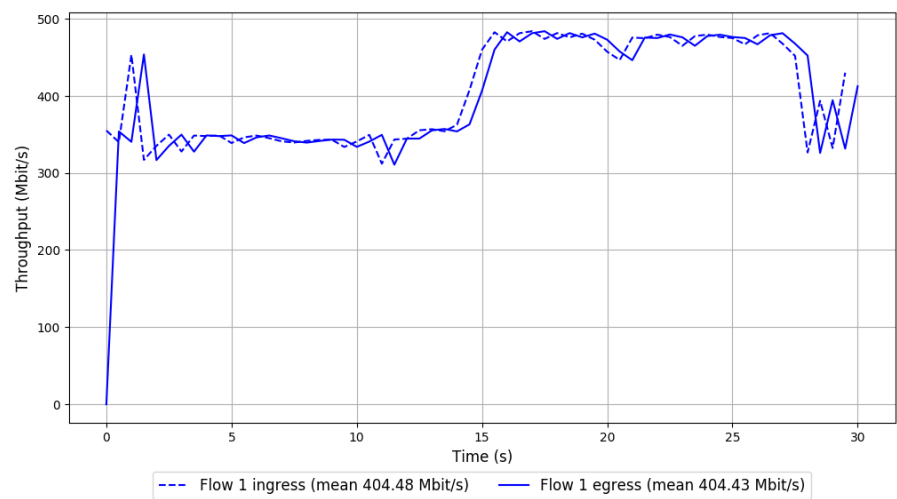
-- Flow 1:

Average throughput: 404.43 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.08%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-01 17:01:46

End at: 2018-08-01 17:02:16

Local clock offset: 0.27 ms

Remote clock offset: 0.888 ms

Below is generated by plot.py at 2018-08-01 21:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 434.66 Mbit/s

95th percentile per-packet one-way delay: 0.989 ms

Loss rate: 0.07%

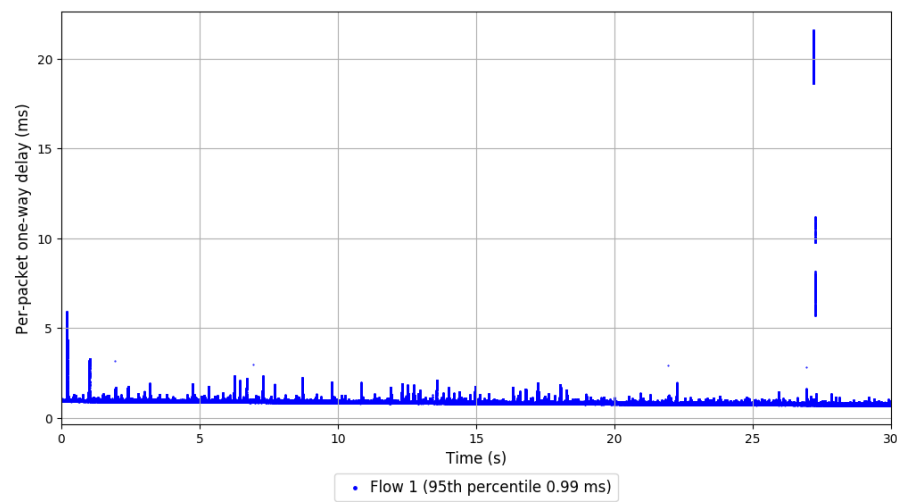
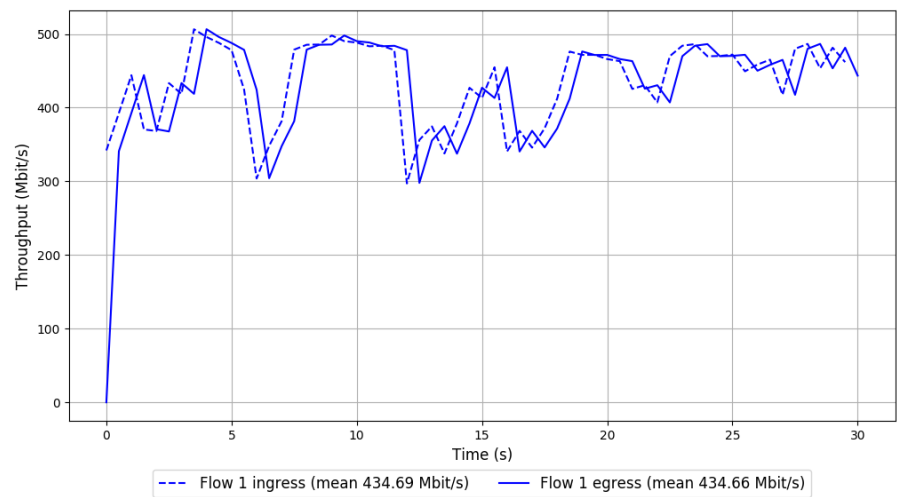
-- Flow 1:

Average throughput: 434.66 Mbit/s

95th percentile per-packet one-way delay: 0.989 ms

Loss rate: 0.07%

Run 2: Report of Copa — Data Link

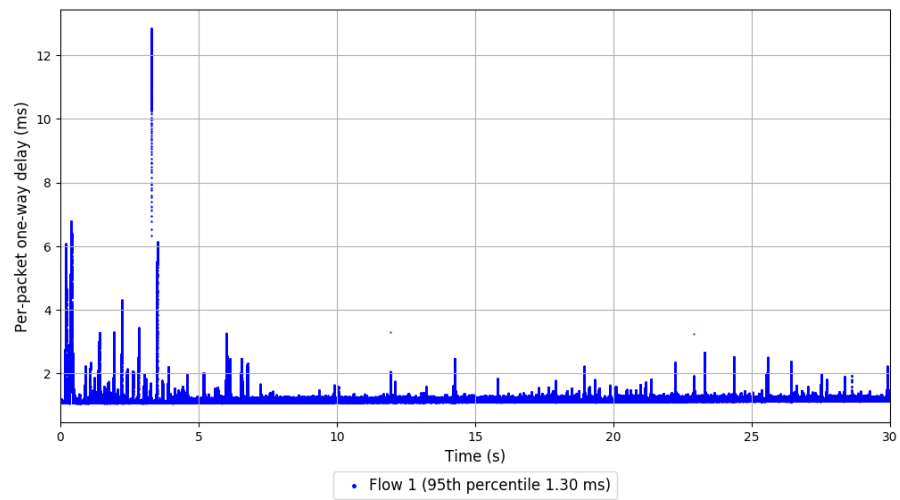
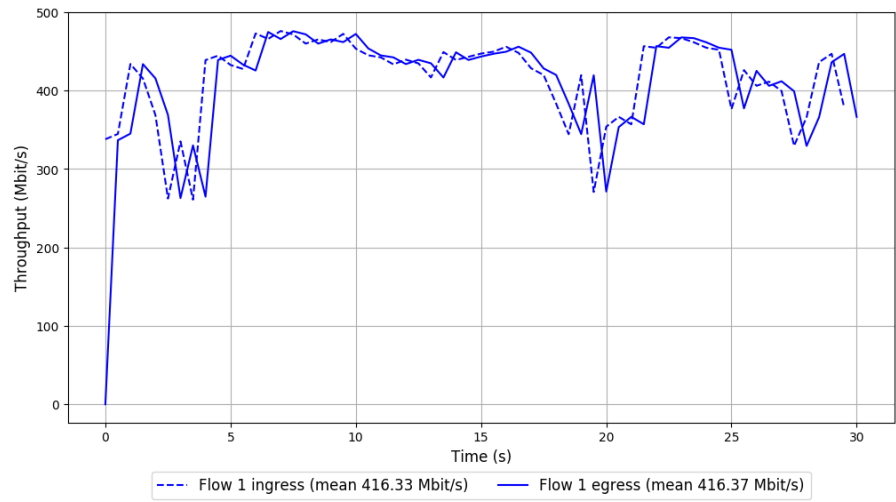


Run 3: Statistics of Copa

Start at: 2018-08-01 17:27:45
End at: 2018-08-01 17:28:15
Local clock offset: -1.287 ms
Remote clock offset: -3.997 ms

Below is generated by plot.py at 2018-08-01 21:08:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 416.37 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 416.37 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.05%

Run 3: Report of Copa — Data Link

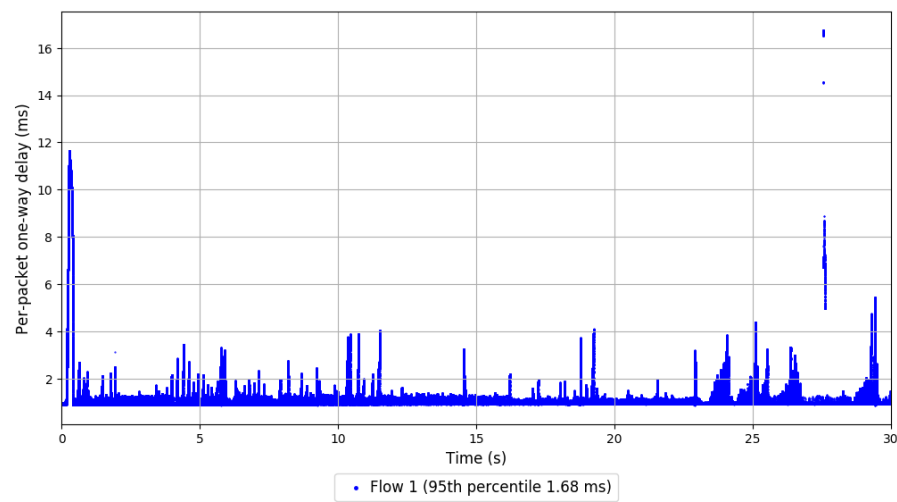
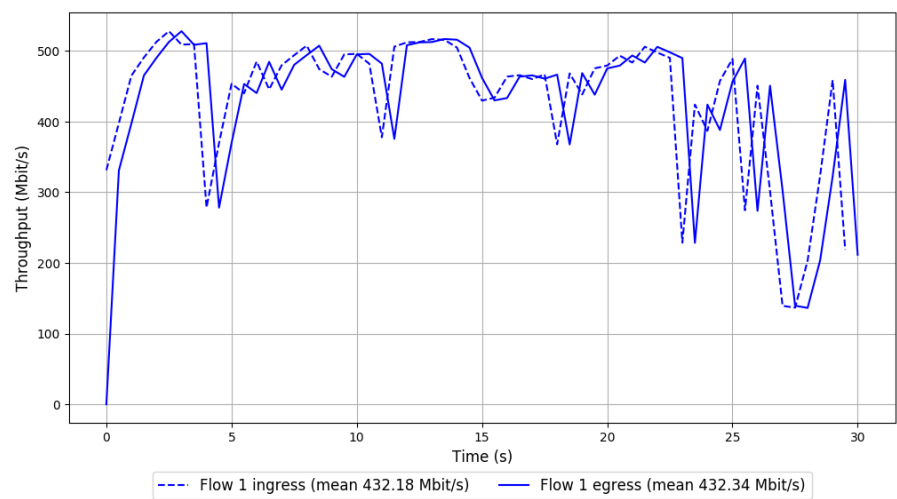


Run 4: Statistics of Copa

Start at: 2018-08-01 17:53:49
End at: 2018-08-01 17:54:19
Local clock offset: -4.123 ms
Remote clock offset: -3.466 ms

Below is generated by plot.py at 2018-08-01 21:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 432.34 Mbit/s
95th percentile per-packet one-way delay: 1.675 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 432.34 Mbit/s
95th percentile per-packet one-way delay: 1.675 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link

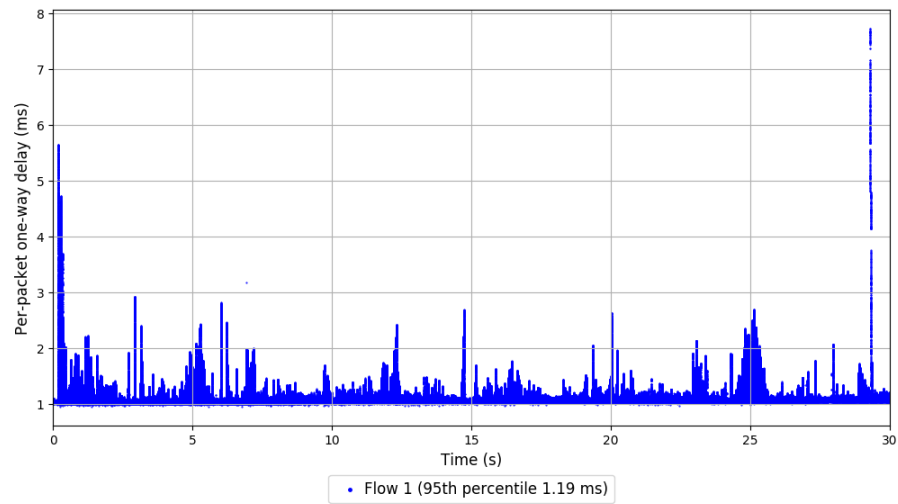
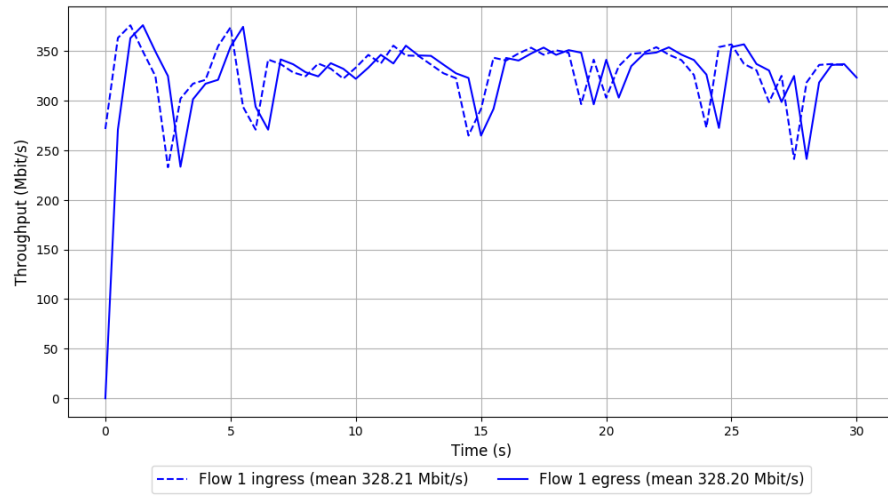


Run 5: Statistics of Copa

Start at: 2018-08-01 18:19:50
End at: 2018-08-01 18:20:20
Local clock offset: -5.746 ms
Remote clock offset: -3.236 ms

Below is generated by plot.py at 2018-08-01 21:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.20 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 328.20 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.07%

Run 5: Report of Copa — Data Link

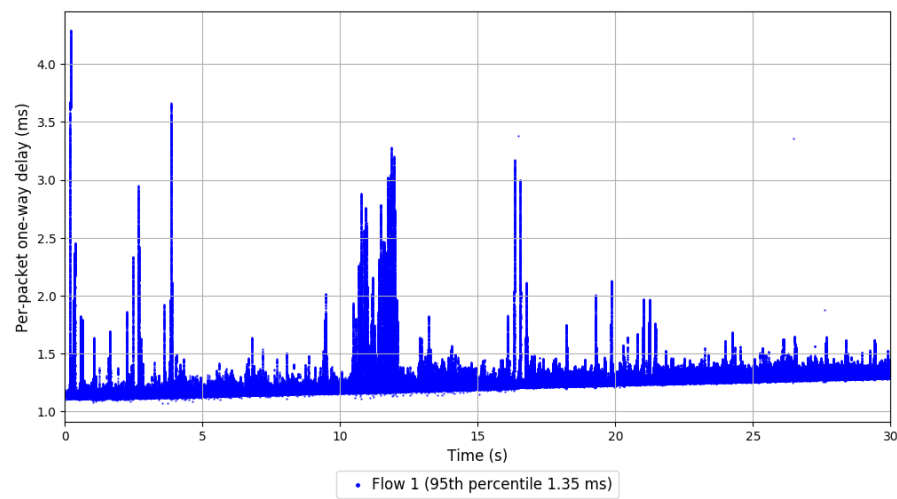
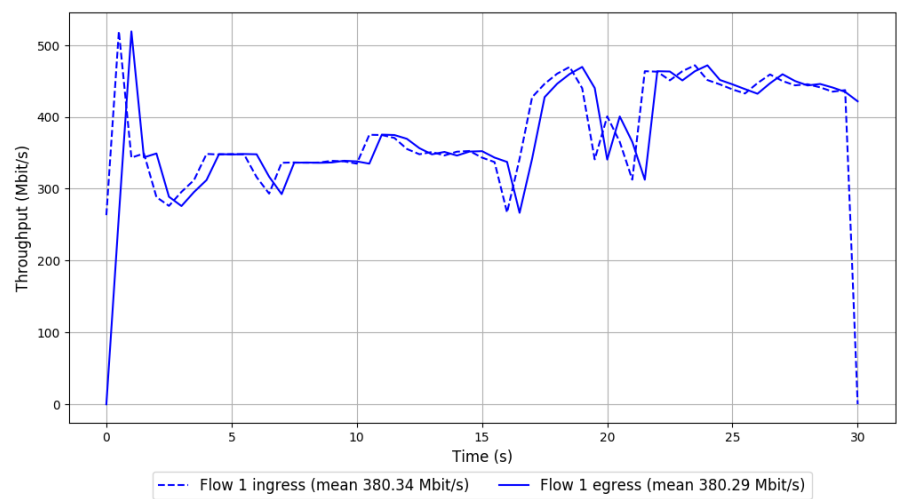


Run 6: Statistics of Copa

Start at: 2018-08-01 18:45:41
End at: 2018-08-01 18:46:11
Local clock offset: -7.436 ms
Remote clock offset: -2.457 ms

Below is generated by plot.py at 2018-08-01 21:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.29 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 380.29 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.07%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-01 19:11:36

End at: 2018-08-01 19:12:06

Local clock offset: 0.862 ms

Remote clock offset: 0.667 ms

Below is generated by plot.py at 2018-08-01 21:15:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.92 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 0.07%

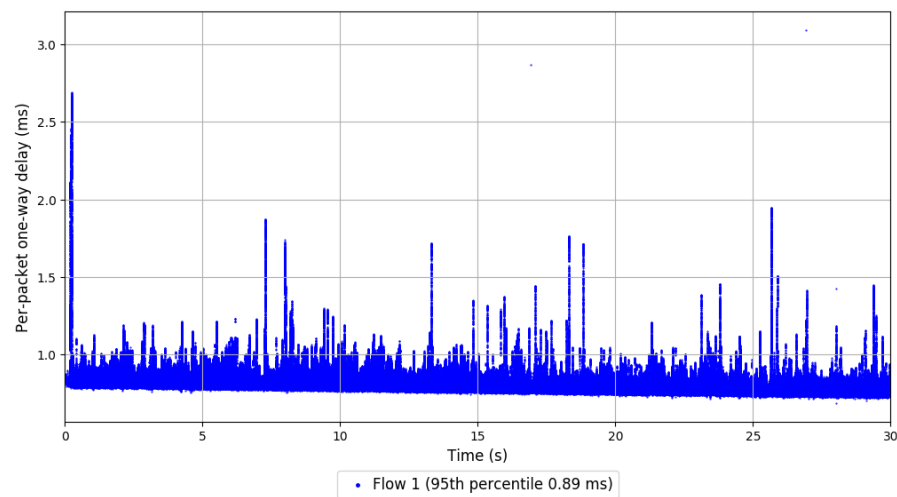
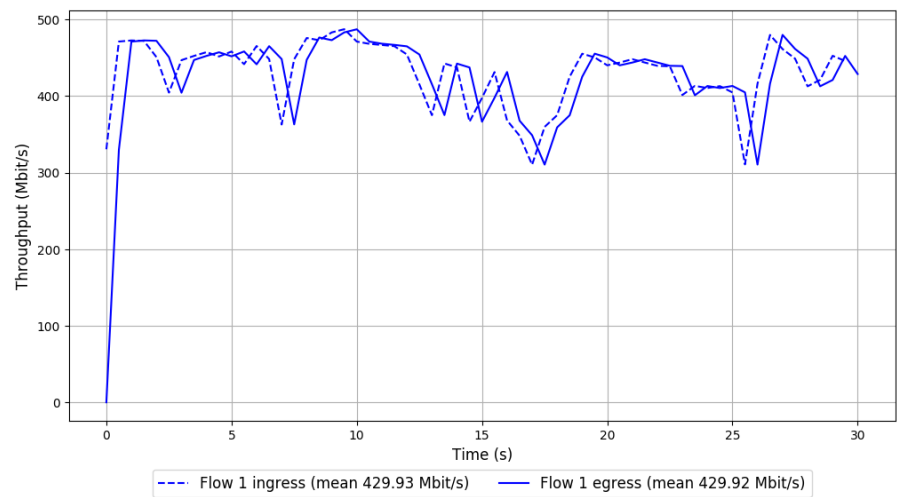
-- Flow 1:

Average throughput: 429.92 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 0.07%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-01 19:37:32

End at: 2018-08-01 19:38:02

Local clock offset: 1.442 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-01 21:16:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.45 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.07%

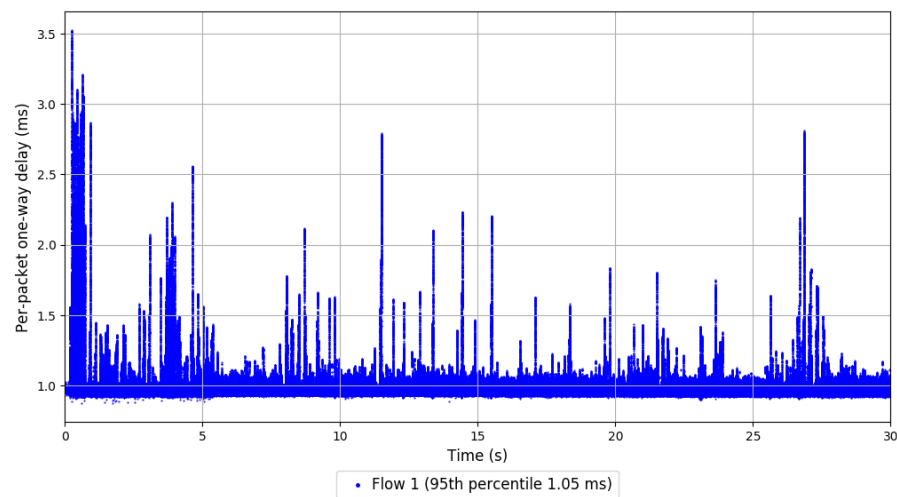
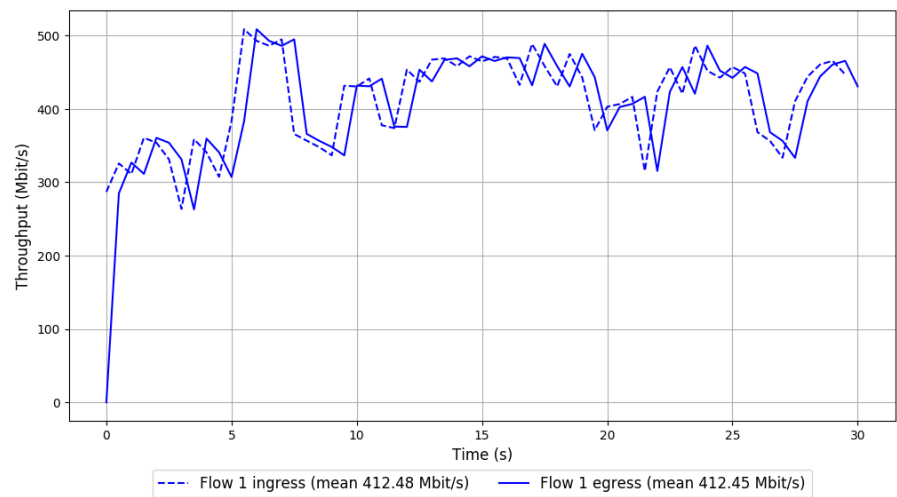
-- Flow 1:

Average throughput: 412.45 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.07%

Run 8: Report of Copa — Data Link

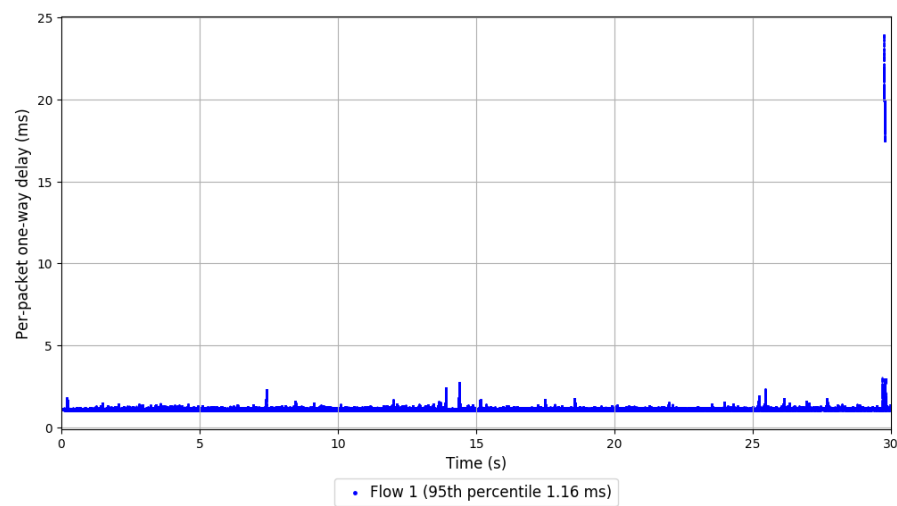
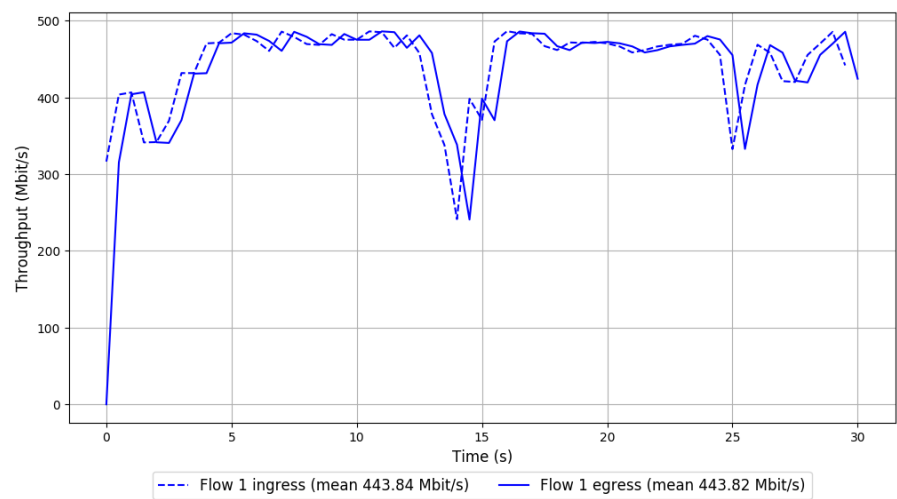


Run 9: Statistics of Copa

Start at: 2018-08-01 20:03:28
End at: 2018-08-01 20:03:58
Local clock offset: 1.098 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-08-01 21:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.82 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 443.82 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.07%

Run 9: Report of Copa — Data Link

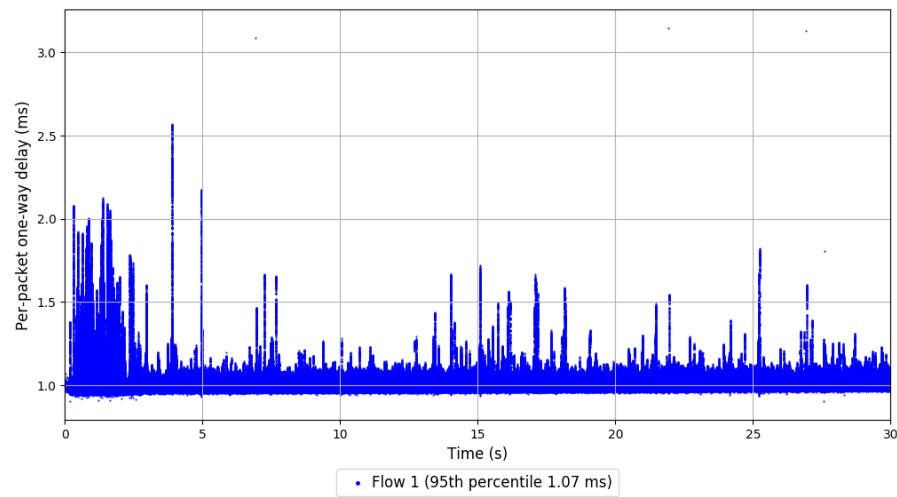
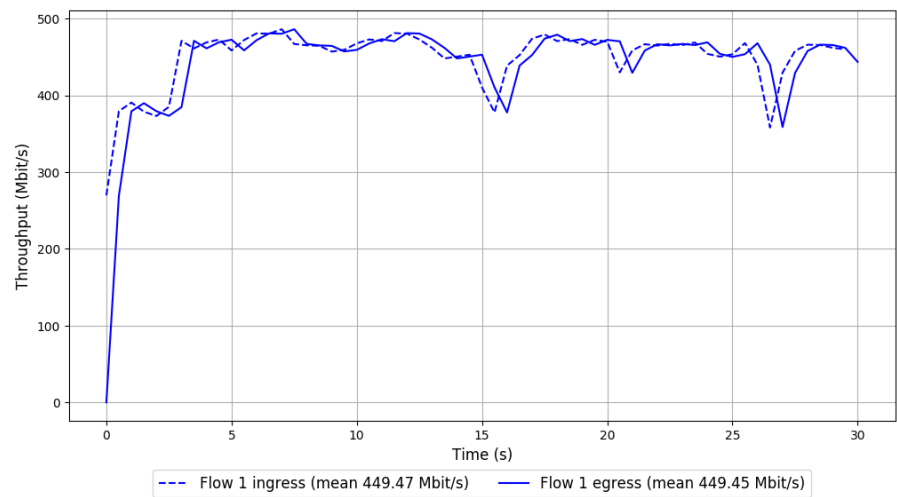


Run 10: Statistics of Copa

Start at: 2018-08-01 20:29:21
End at: 2018-08-01 20:29:51
Local clock offset: 0.647 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-01 21:16:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 449.45 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 449.45 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 16:28:50

End at: 2018-08-01 16:29:20

Local clock offset: 0.197 ms

Remote clock offset: 0.544 ms

Below is generated by plot.py at 2018-08-01 21:16:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.95 Mbit/s

95th percentile per-packet one-way delay: 1.443 ms

Loss rate: 0.05%

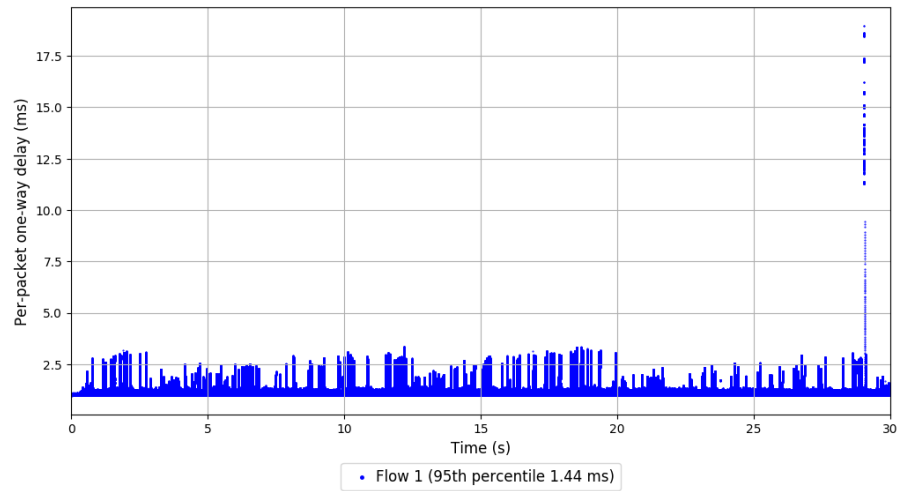
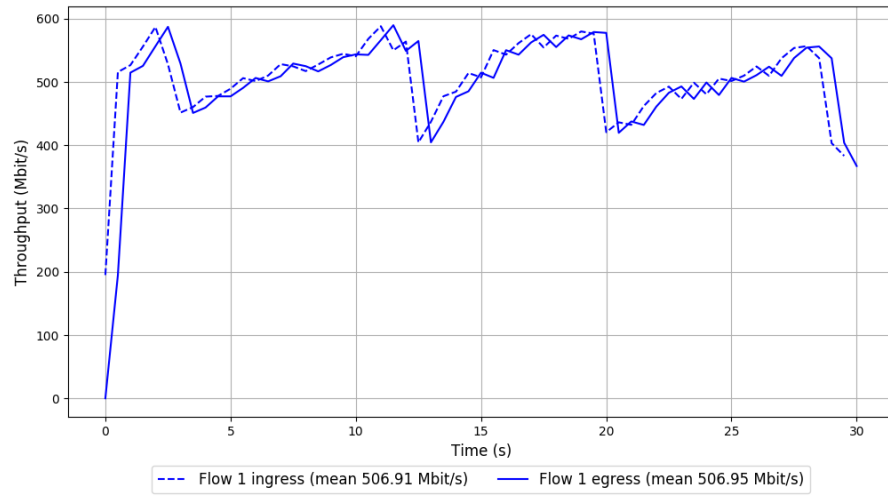
-- Flow 1:

Average throughput: 506.95 Mbit/s

95th percentile per-packet one-way delay: 1.443 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 16:54:43

End at: 2018-08-01 16:55:13

Local clock offset: 0.281 ms

Remote clock offset: 1.258 ms

Below is generated by plot.py at 2018-08-01 21:16:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.86 Mbit/s

95th percentile per-packet one-way delay: 10.208 ms

Loss rate: 0.06%

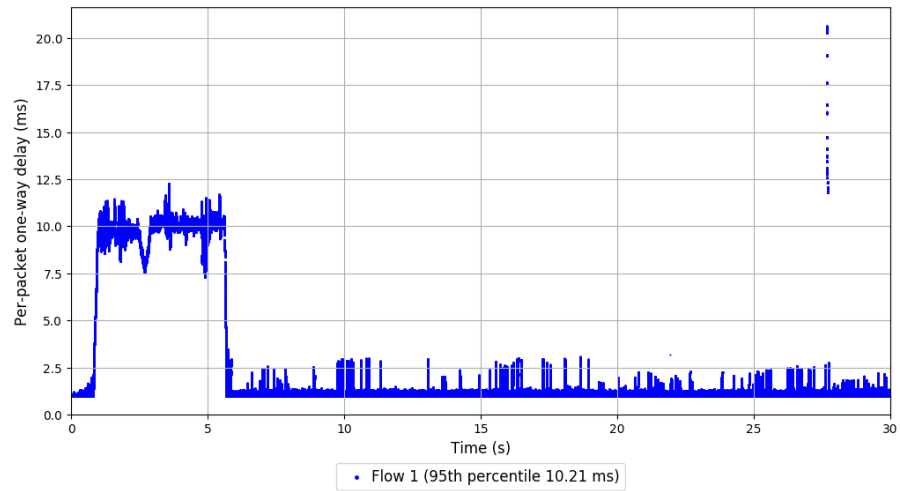
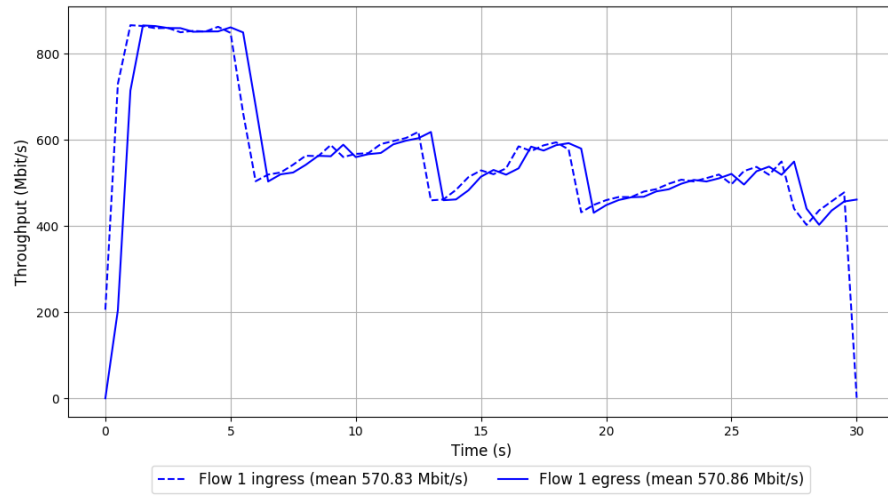
-- Flow 1:

Average throughput: 570.86 Mbit/s

95th percentile per-packet one-way delay: 10.208 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 17:20:43

End at: 2018-08-01 17:21:13

Local clock offset: 0.197 ms

Remote clock offset: -3.37 ms

Below is generated by plot.py at 2018-08-01 21:16:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.37 Mbit/s

95th percentile per-packet one-way delay: 7.956 ms

Loss rate: 0.06%

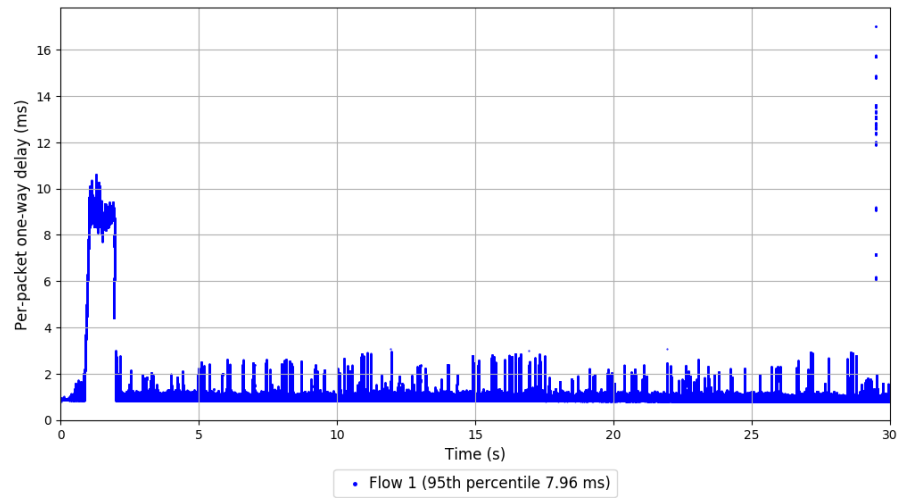
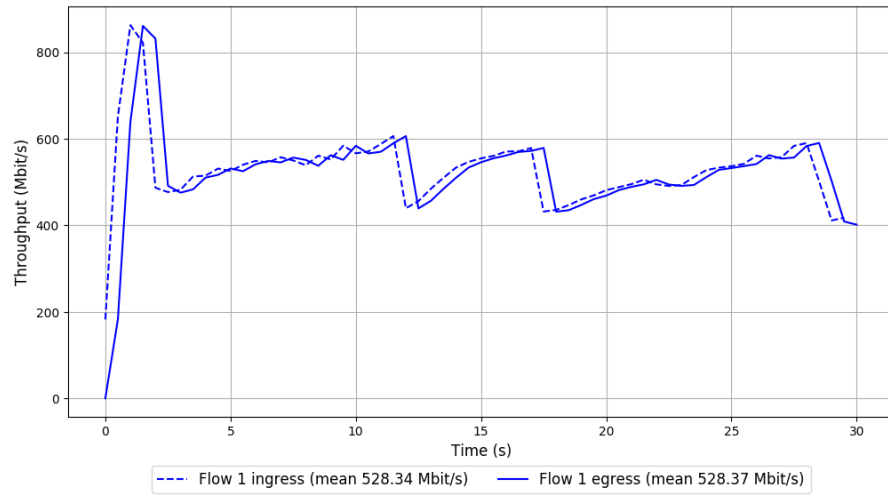
-- Flow 1:

Average throughput: 528.37 Mbit/s

95th percentile per-packet one-way delay: 7.956 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link

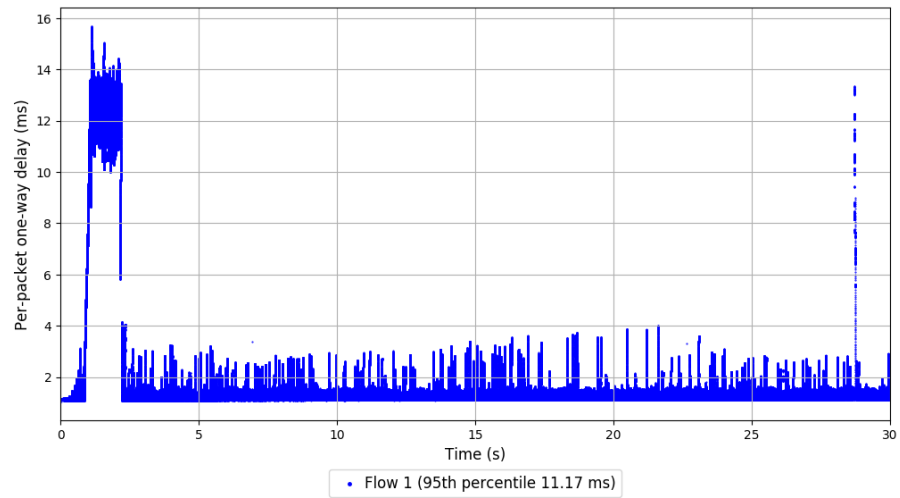
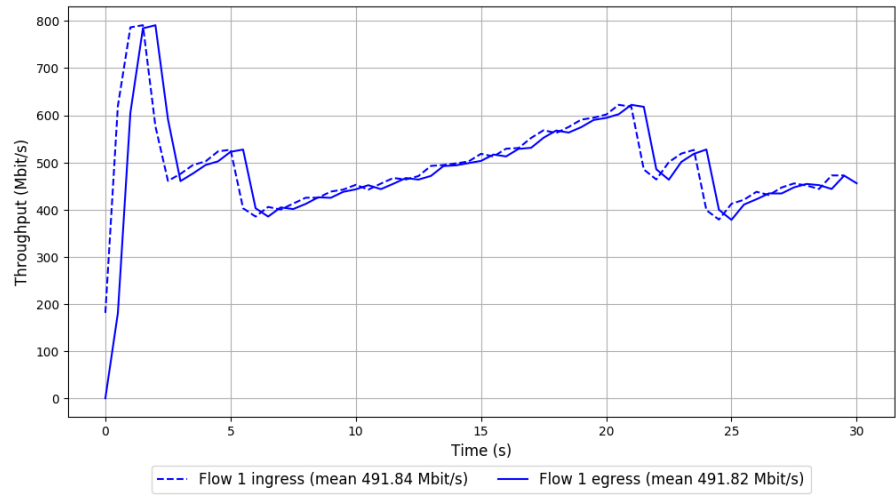


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 17:46:48
End at: 2018-08-01 17:47:18
Local clock offset: -3.617 ms
Remote clock offset: -3.575 ms

Below is generated by plot.py at 2018-08-01 21:16:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 491.82 Mbit/s
95th percentile per-packet one-way delay: 11.167 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 491.82 Mbit/s
95th percentile per-packet one-way delay: 11.167 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

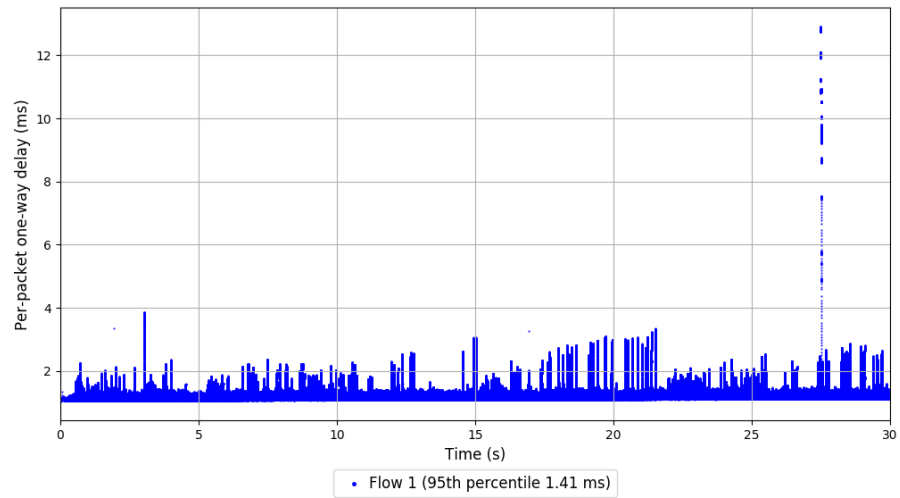
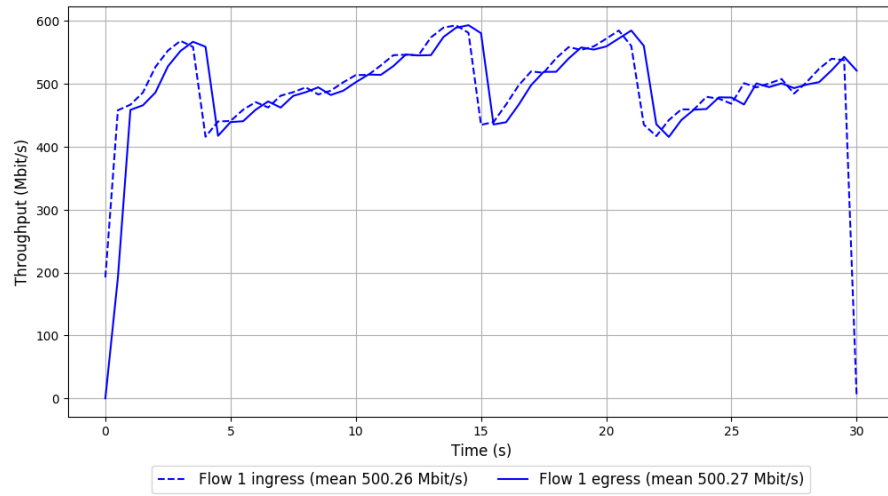


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 18:12:50
End at: 2018-08-01 18:13:20
Local clock offset: -5.274 ms
Remote clock offset: -3.461 ms

Below is generated by plot.py at 2018-08-01 21:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 500.27 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 500.27 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

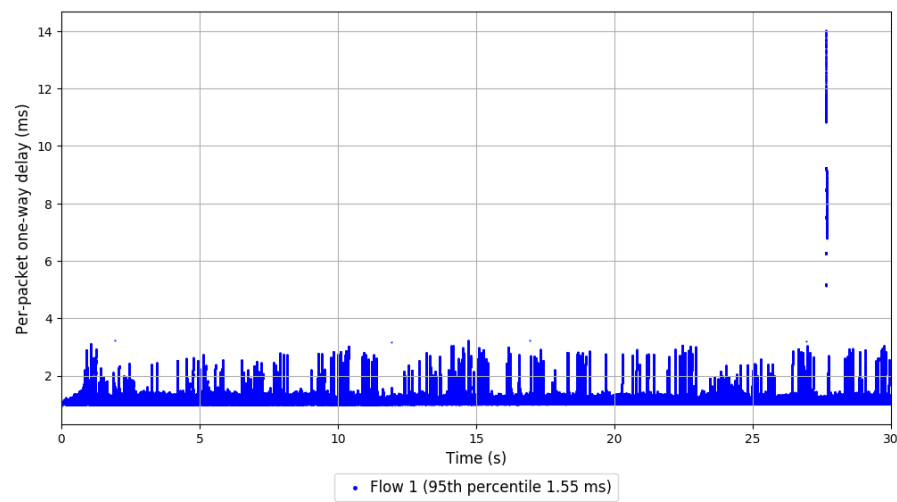
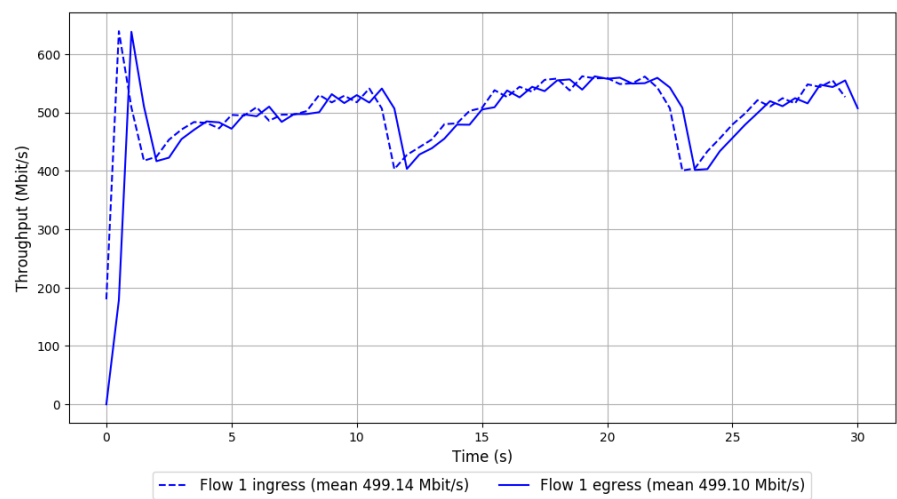


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 18:38:44
End at: 2018-08-01 18:39:14
Local clock offset: -7.069 ms
Remote clock offset: -3.311 ms

Below is generated by plot.py at 2018-08-01 21:19:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 499.10 Mbit/s
95th percentile per-packet one-way delay: 1.547 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 499.10 Mbit/s
95th percentile per-packet one-way delay: 1.547 ms
Loss rate: 0.07%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 19:04:38

End at: 2018-08-01 19:05:08

Local clock offset: -0.769 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-08-01 21:20:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.89 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.07%

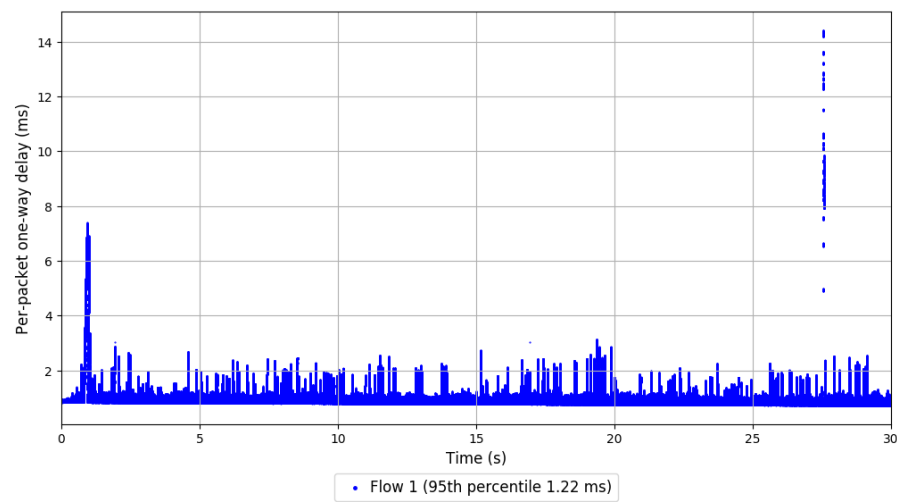
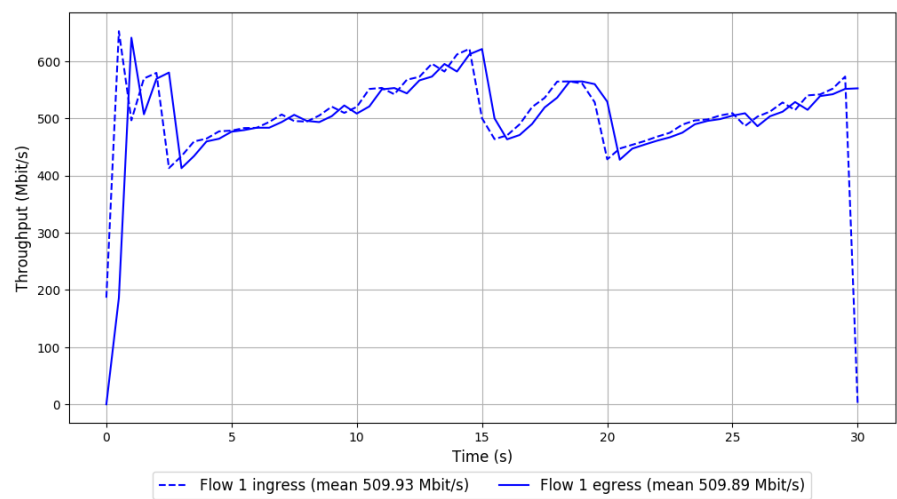
-- Flow 1:

Average throughput: 509.89 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 19:30:38

End at: 2018-08-01 19:31:08

Local clock offset: 1.629 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-08-01 21:20:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.68 Mbit/s

95th percentile per-packet one-way delay: 1.548 ms

Loss rate: 0.06%

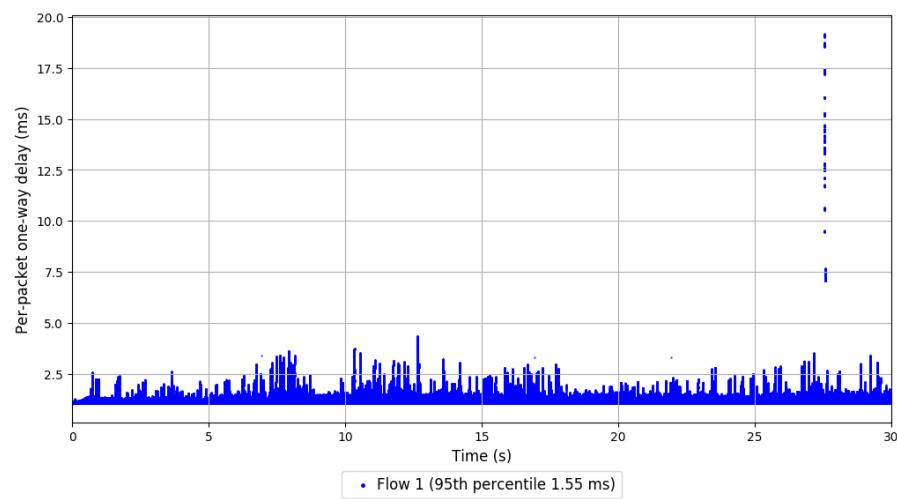
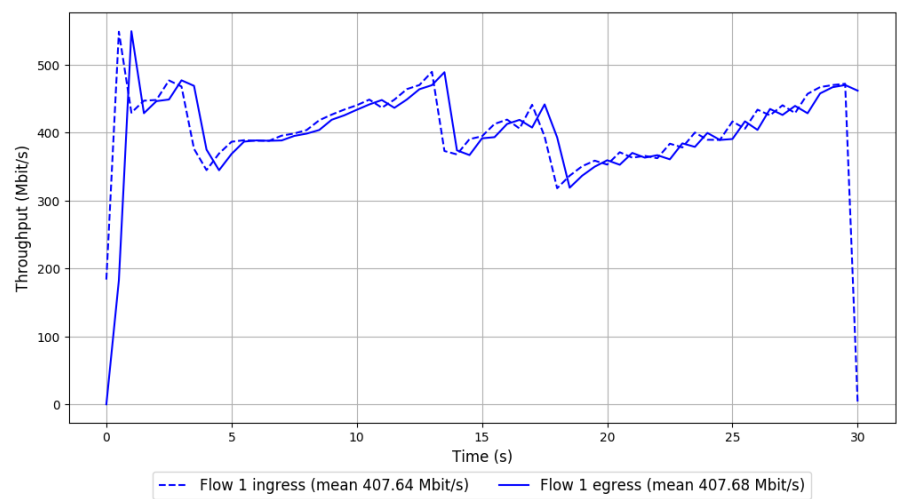
-- Flow 1:

Average throughput: 407.68 Mbit/s

95th percentile per-packet one-way delay: 1.548 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 19:56:32

End at: 2018-08-01 19:57:02

Local clock offset: 1.563 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-08-01 21:20:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.91 Mbit/s

95th percentile per-packet one-way delay: 1.468 ms

Loss rate: 0.03%

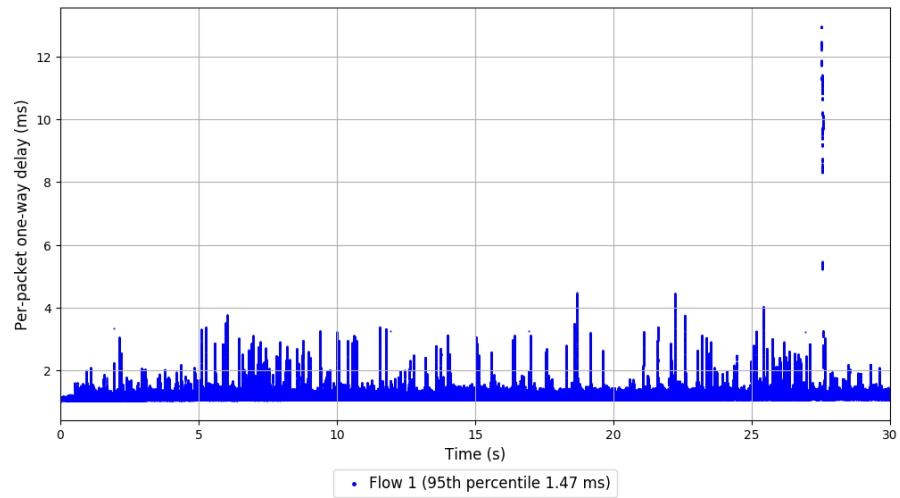
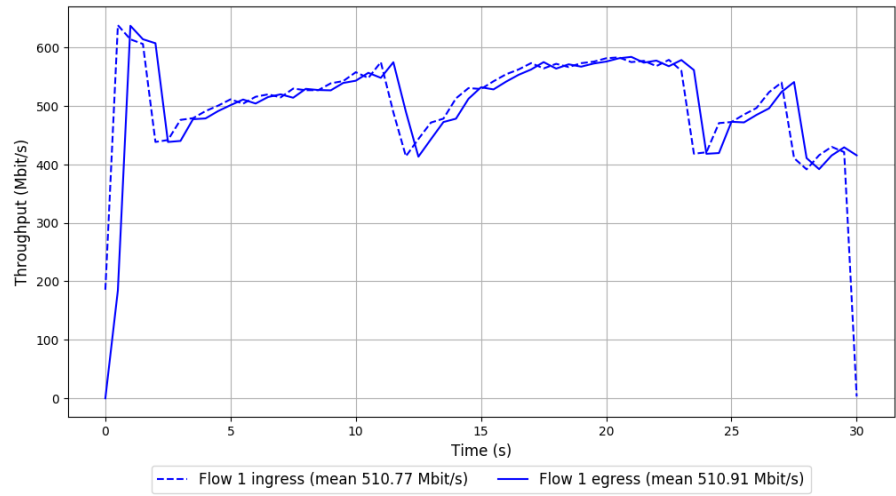
-- Flow 1:

Average throughput: 510.91 Mbit/s

95th percentile per-packet one-way delay: 1.468 ms

Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 20:22:26

End at: 2018-08-01 20:22:56

Local clock offset: 1.246 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-01 21:20:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 457.05 Mbit/s

95th percentile per-packet one-way delay: 1.390 ms

Loss rate: 0.06%

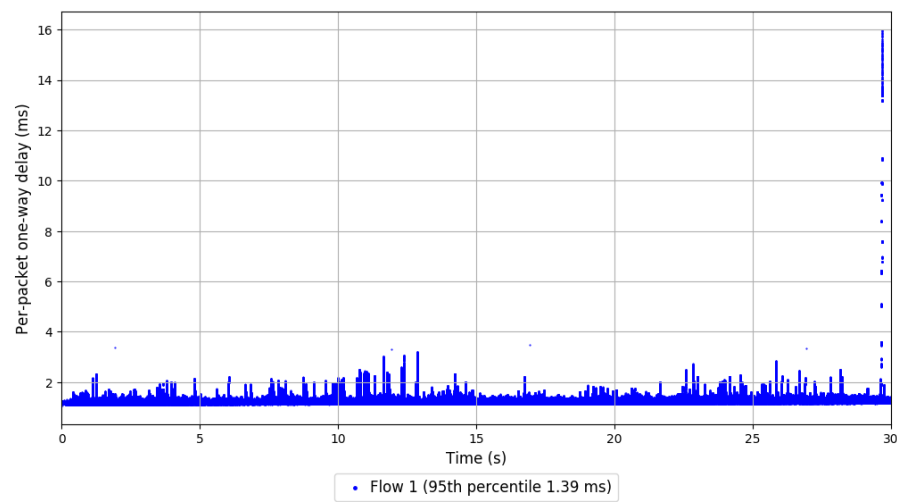
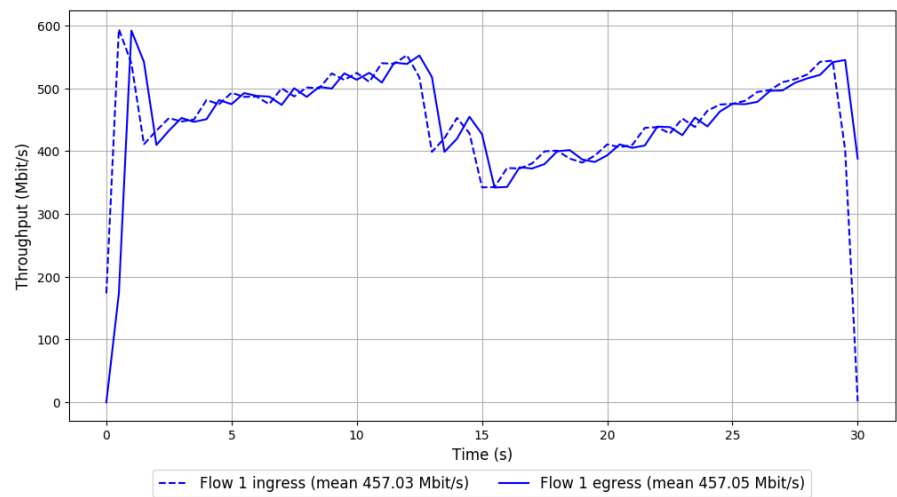
-- Flow 1:

Average throughput: 457.05 Mbit/s

95th percentile per-packet one-way delay: 1.390 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-01 16:21:22

End at: 2018-08-01 16:21:52

Local clock offset: 0.222 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-08-01 21:29:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 938.39 Mbit/s

95th percentile per-packet one-way delay: 1.935 ms

Loss rate: 0.07%

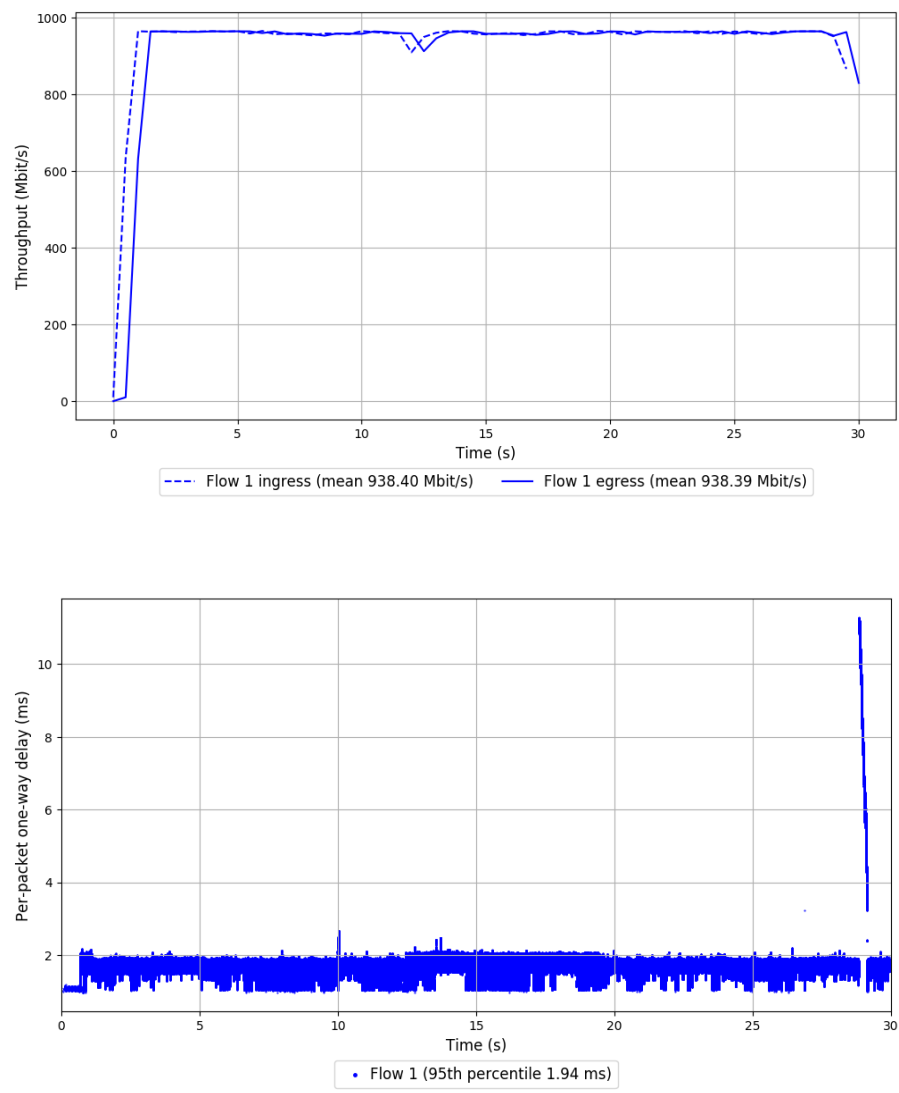
-- Flow 1:

Average throughput: 938.39 Mbit/s

95th percentile per-packet one-way delay: 1.935 ms

Loss rate: 0.07%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-01 16:47:15

End at: 2018-08-01 16:47:45

Local clock offset: 0.272 ms

Remote clock offset: 0.977 ms

Below is generated by plot.py at 2018-08-01 21:30:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 931.19 Mbit/s

95th percentile per-packet one-way delay: 2.034 ms

Loss rate: 0.07%

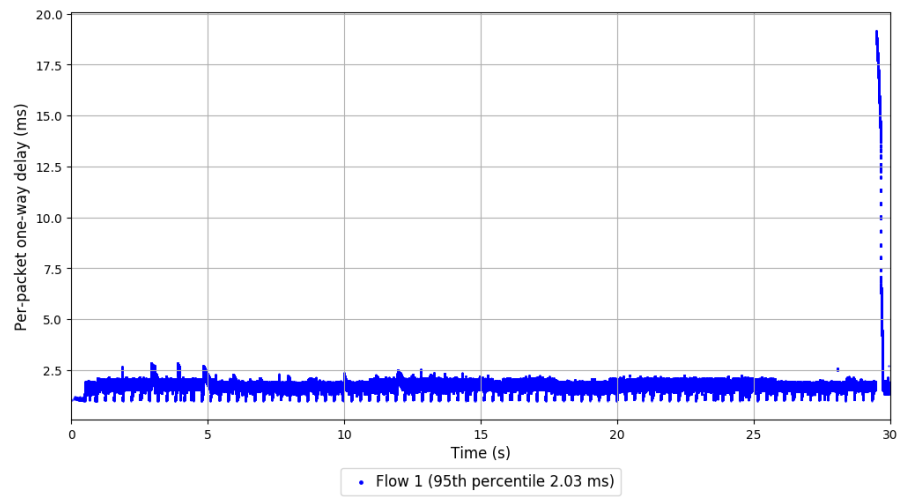
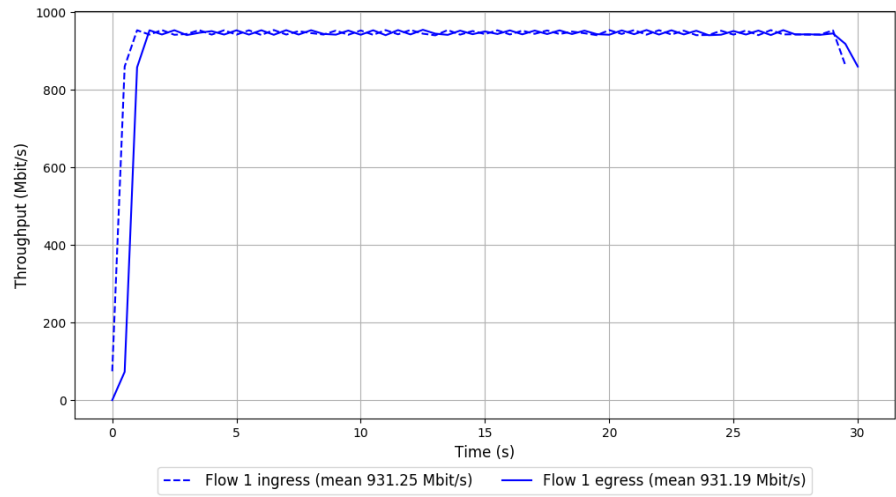
-- Flow 1:

Average throughput: 931.19 Mbit/s

95th percentile per-packet one-way delay: 2.034 ms

Loss rate: 0.07%

Run 2: Report of FillP — Data Link

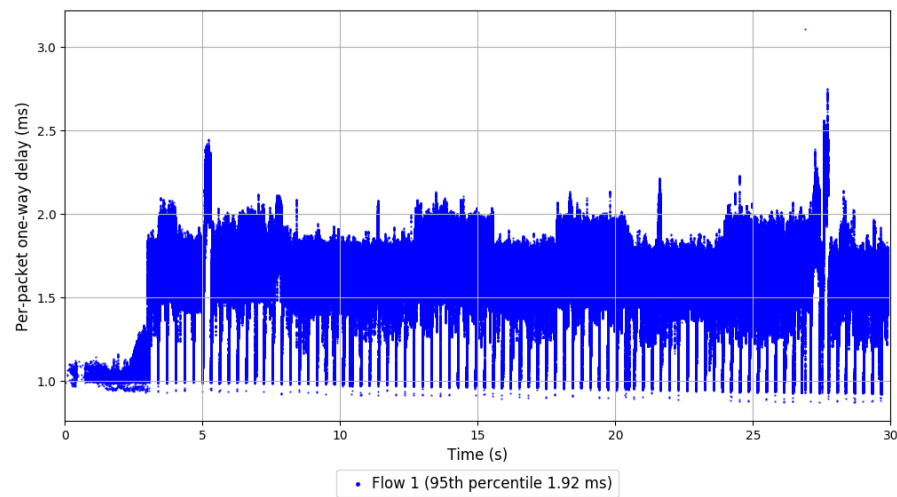
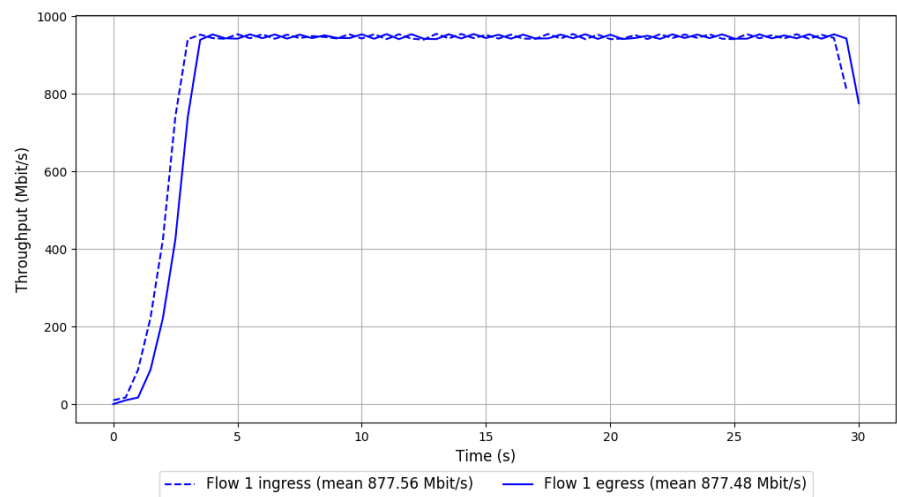


Run 3: Statistics of FillP

Start at: 2018-08-01 17:13:21
End at: 2018-08-01 17:13:51
Local clock offset: 0.233 ms
Remote clock offset: -2.486 ms

Below is generated by plot.py at 2018-08-01 21:31:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 877.48 Mbit/s
95th percentile per-packet one-way delay: 1.922 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 877.48 Mbit/s
95th percentile per-packet one-way delay: 1.922 ms
Loss rate: 0.08%

Run 3: Report of FillP — Data Link

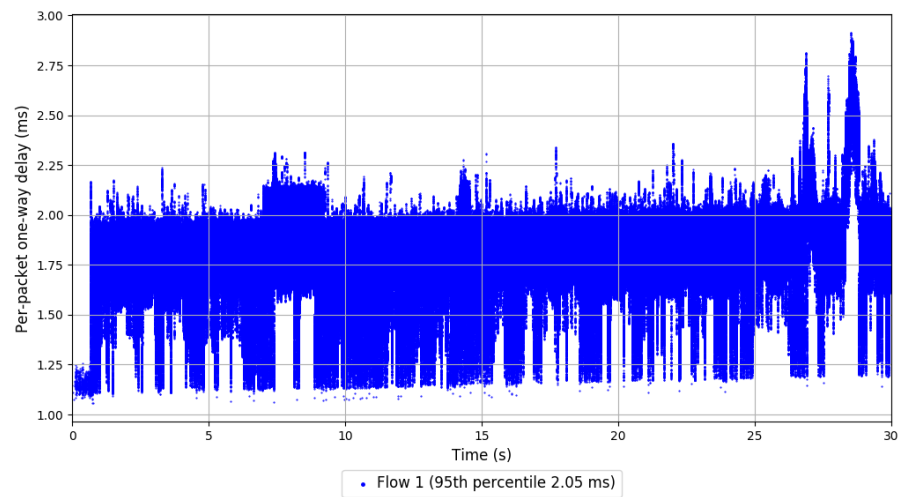
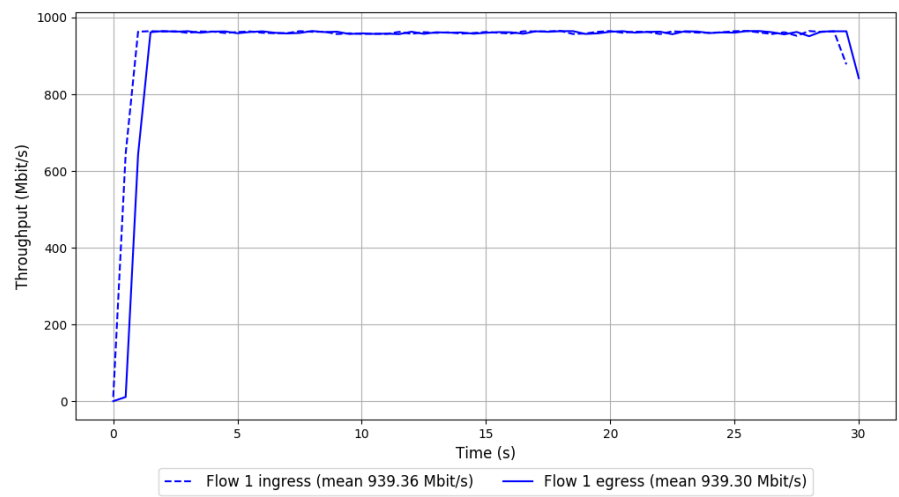


Run 4: Statistics of FillP

Start at: 2018-08-01 17:39:20
End at: 2018-08-01 17:39:50
Local clock offset: -3.028 ms
Remote clock offset: -3.956 ms

Below is generated by plot.py at 2018-08-01 21:31:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 939.30 Mbit/s
95th percentile per-packet one-way delay: 2.046 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 939.30 Mbit/s
95th percentile per-packet one-way delay: 2.046 ms
Loss rate: 0.07%

Run 4: Report of FillP — Data Link

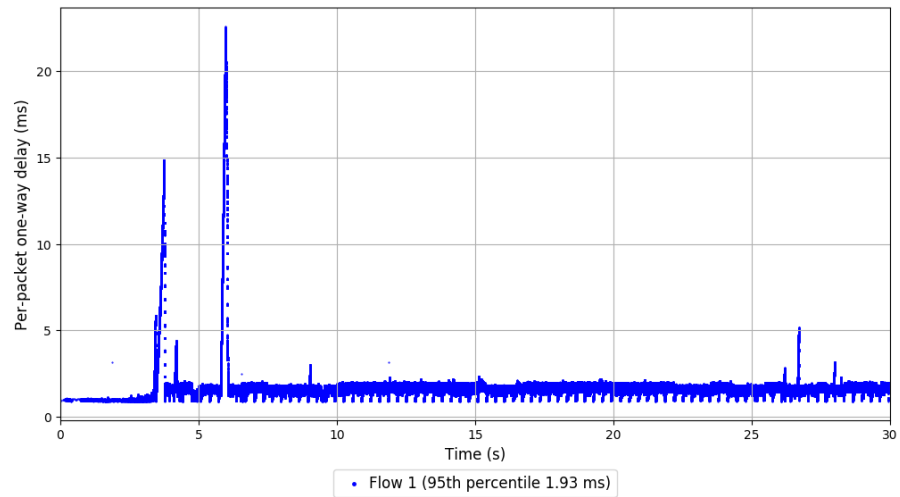
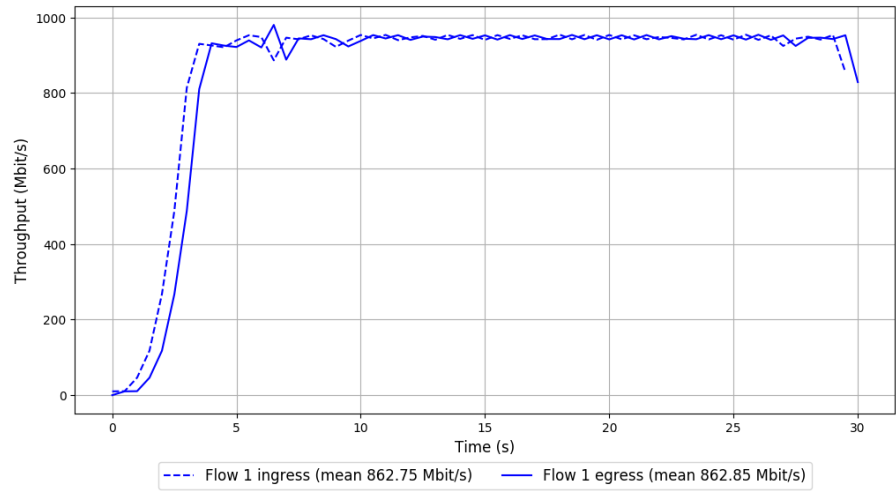


Run 5: Statistics of FillP

Start at: 2018-08-01 18:05:25
End at: 2018-08-01 18:05:55
Local clock offset: -4.872 ms
Remote clock offset: -3.635 ms

Below is generated by plot.py at 2018-08-01 21:31:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 862.85 Mbit/s
95th percentile per-packet one-way delay: 1.933 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 862.85 Mbit/s
95th percentile per-packet one-way delay: 1.933 ms
Loss rate: 0.06%

Run 5: Report of FillP — Data Link

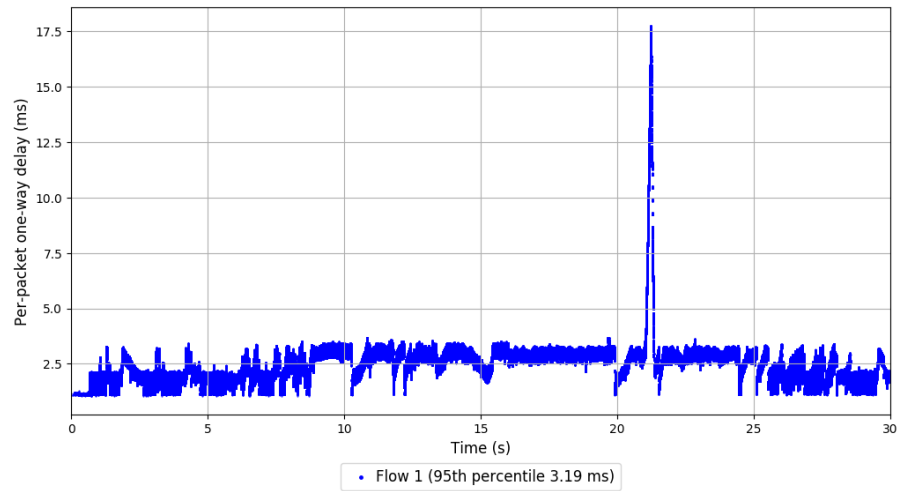
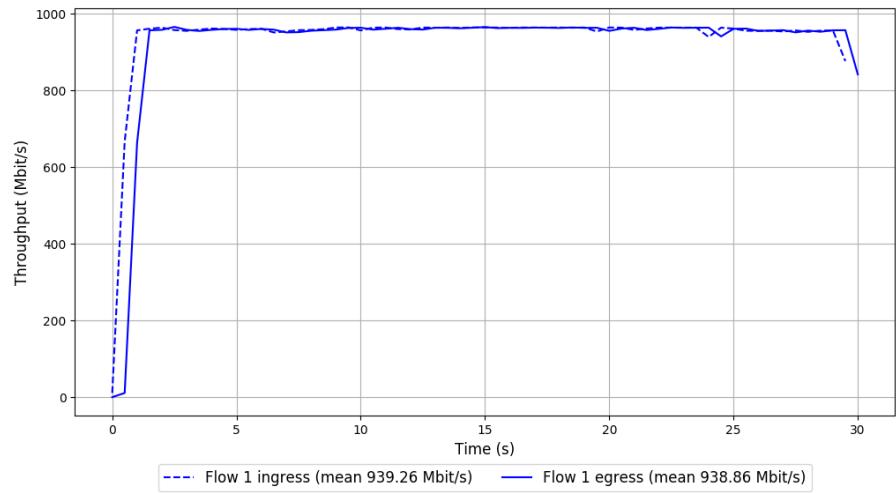


Run 6: Statistics of FillP

Start at: 2018-08-01 18:31:22
End at: 2018-08-01 18:31:52
Local clock offset: -6.498 ms
Remote clock offset: -3.232 ms

Below is generated by plot.py at 2018-08-01 21:32:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 938.86 Mbit/s
95th percentile per-packet one-way delay: 3.193 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 938.86 Mbit/s
95th percentile per-packet one-way delay: 3.193 ms
Loss rate: 0.11%

Run 6: Report of FillP — Data Link

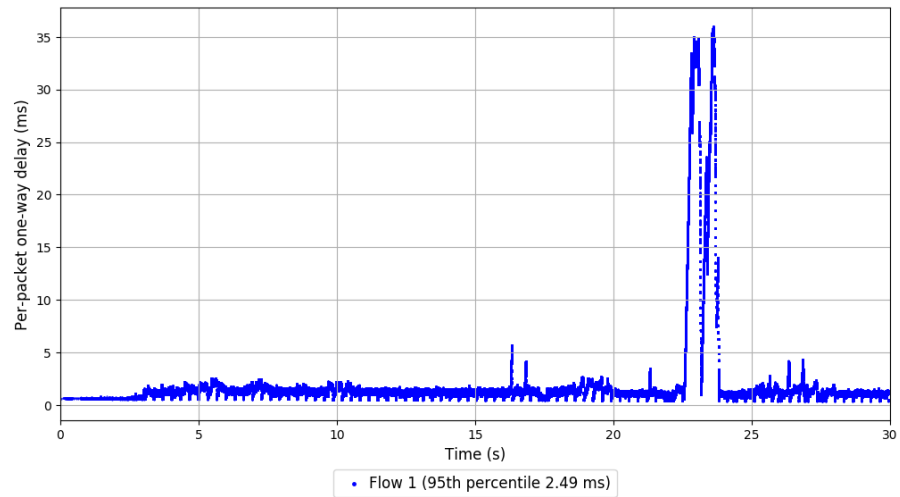
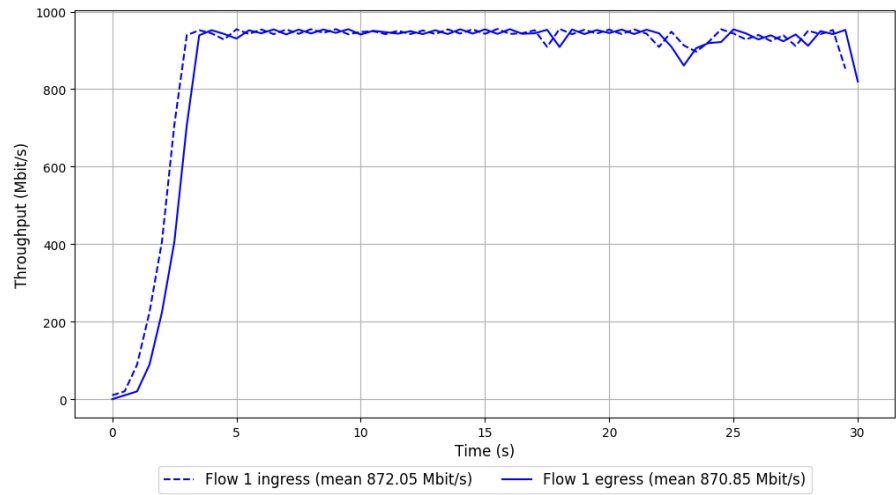


Run 7: Statistics of FillP

Start at: 2018-08-01 18:57:11
End at: 2018-08-01 18:57:41
Local clock offset: -4.144 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-08-01 21:32:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 870.85 Mbit/s
95th percentile per-packet one-way delay: 2.489 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 870.85 Mbit/s
95th percentile per-packet one-way delay: 2.489 ms
Loss rate: 0.20%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-01 19:23:10

End at: 2018-08-01 19:23:40

Local clock offset: 2.417 ms

Remote clock offset: 0.577 ms

Below is generated by plot.py at 2018-08-01 21:33:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 936.52 Mbit/s

95th percentile per-packet one-way delay: 2.983 ms

Loss rate: 0.11%

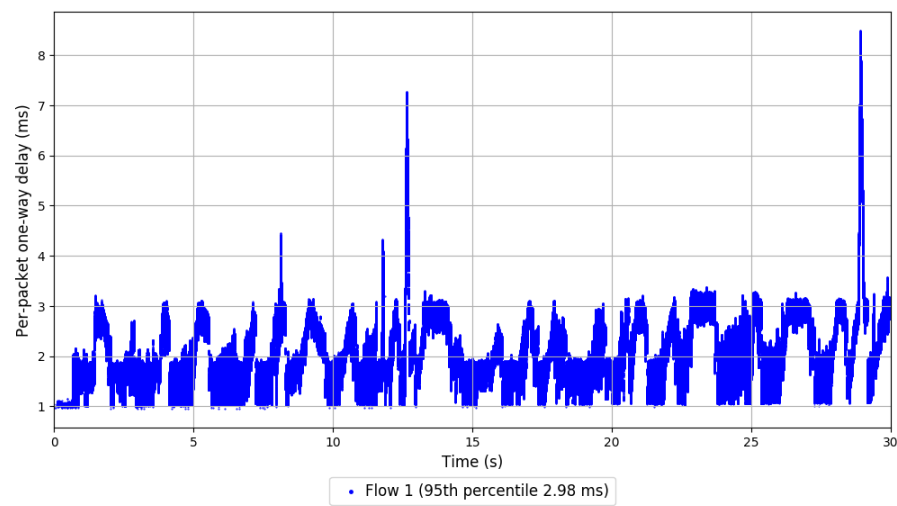
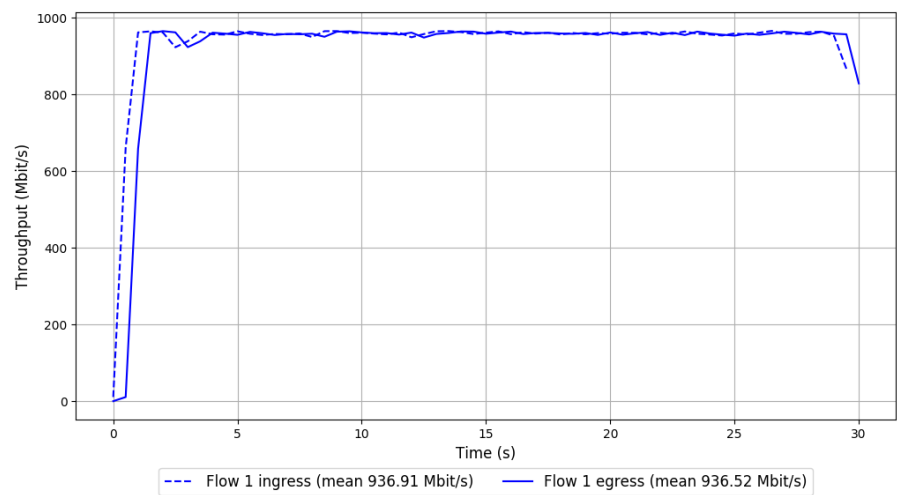
-- Flow 1:

Average throughput: 936.52 Mbit/s

95th percentile per-packet one-way delay: 2.983 ms

Loss rate: 0.11%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-01 19:49:05

End at: 2018-08-01 19:49:35

Local clock offset: 1.975 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-08-01 21:42:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 937.80 Mbit/s

95th percentile per-packet one-way delay: 2.008 ms

Loss rate: 0.07%

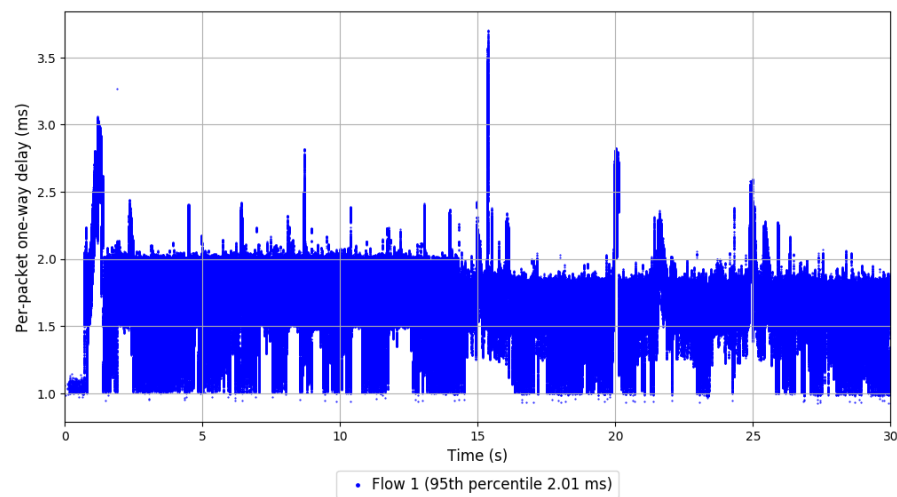
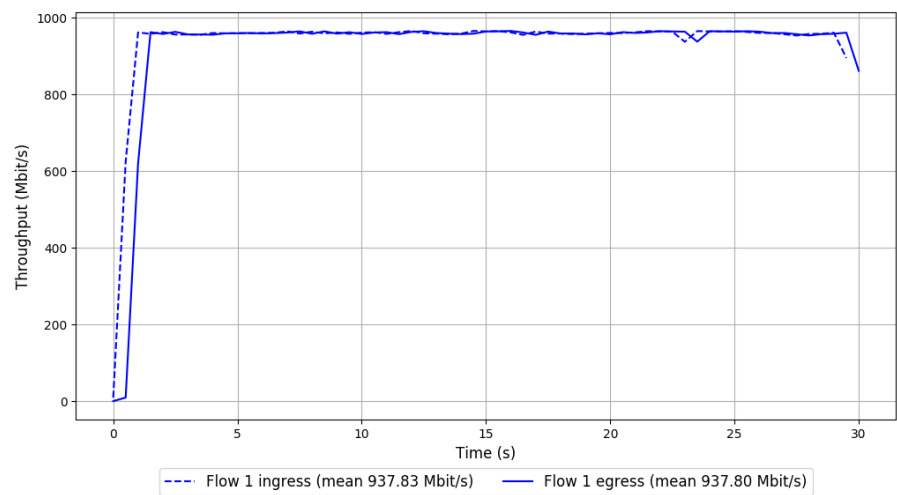
-- Flow 1:

Average throughput: 937.80 Mbit/s

95th percentile per-packet one-way delay: 2.008 ms

Loss rate: 0.07%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-01 20:15:03

End at: 2018-08-01 20:15:33

Local clock offset: 0.997 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-08-01 21:42:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 862.79 Mbit/s

95th percentile per-packet one-way delay: 26.102 ms

Loss rate: 0.49%

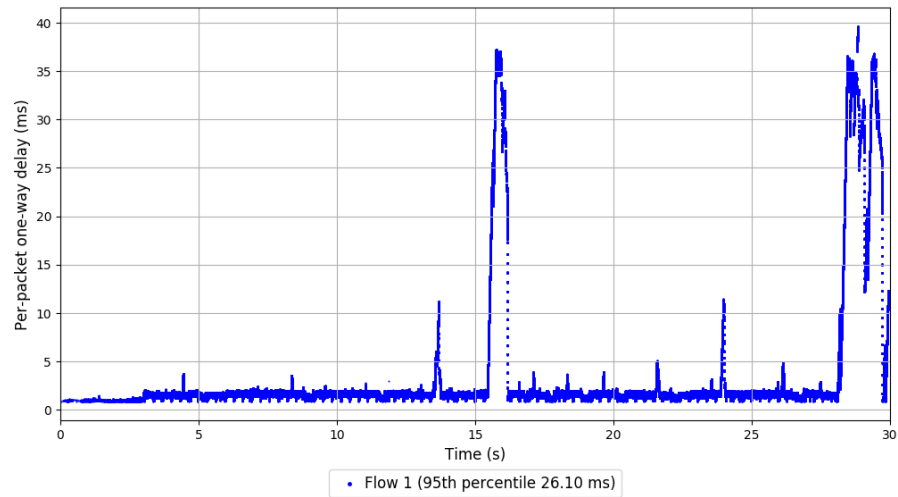
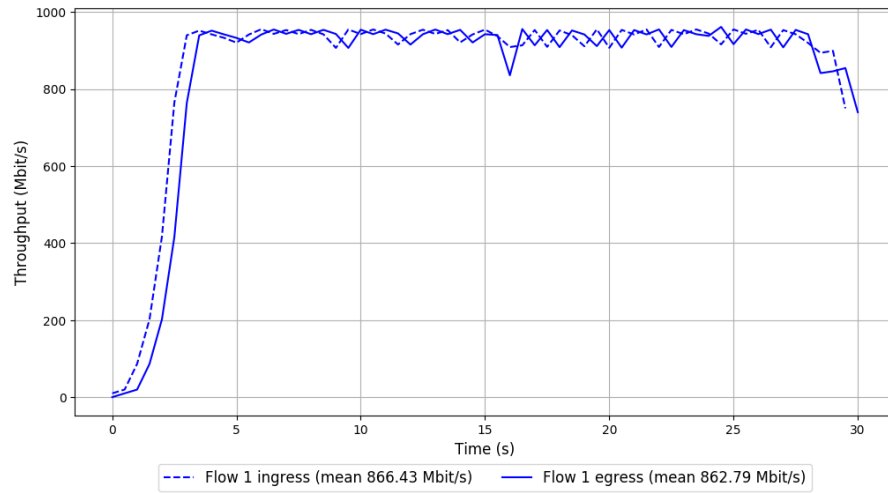
-- Flow 1:

Average throughput: 862.79 Mbit/s

95th percentile per-packet one-way delay: 26.102 ms

Loss rate: 0.49%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 16:19:40

End at: 2018-08-01 16:20:10

Local clock offset: 0.134 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-08-01 21:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 925.58 Mbit/s

95th percentile per-packet one-way delay: 1.887 ms

Loss rate: 0.07%

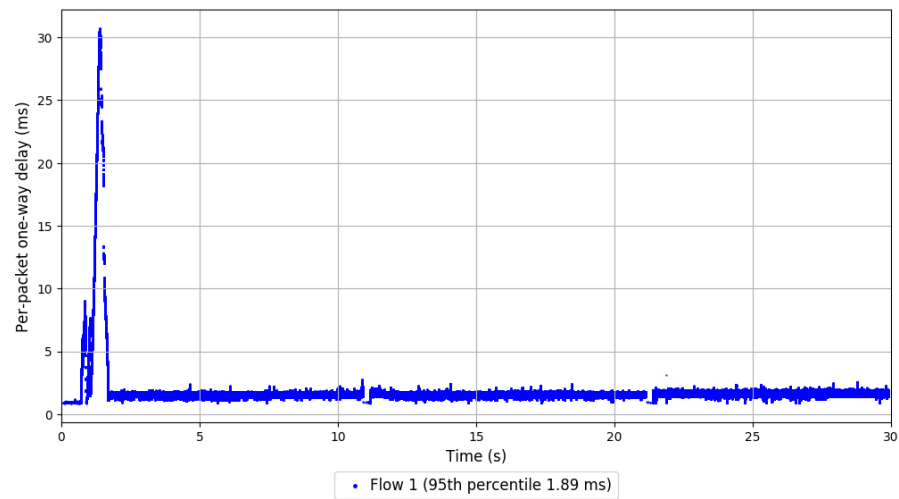
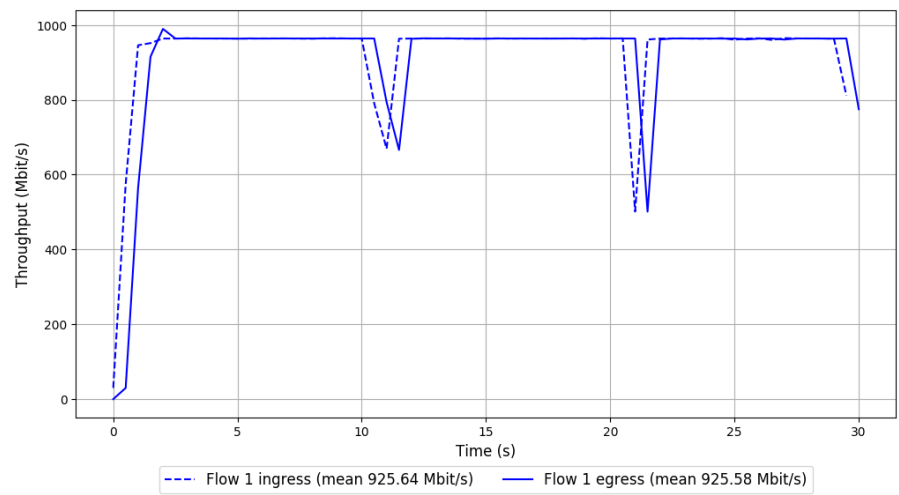
-- Flow 1:

Average throughput: 925.58 Mbit/s

95th percentile per-packet one-way delay: 1.887 ms

Loss rate: 0.07%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 16:45:34

End at: 2018-08-01 16:46:04

Local clock offset: 0.238 ms

Remote clock offset: 0.952 ms

Below is generated by plot.py at 2018-08-01 21:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 919.19 Mbit/s

95th percentile per-packet one-way delay: 1.960 ms

Loss rate: 0.07%

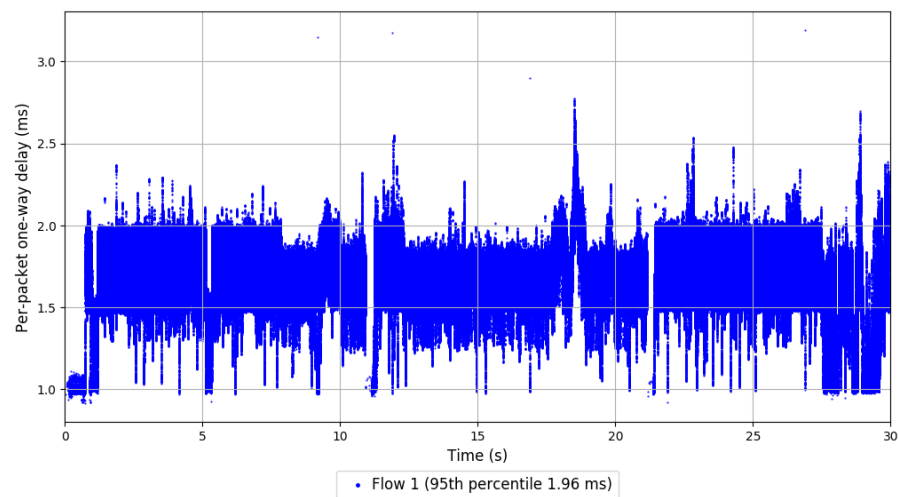
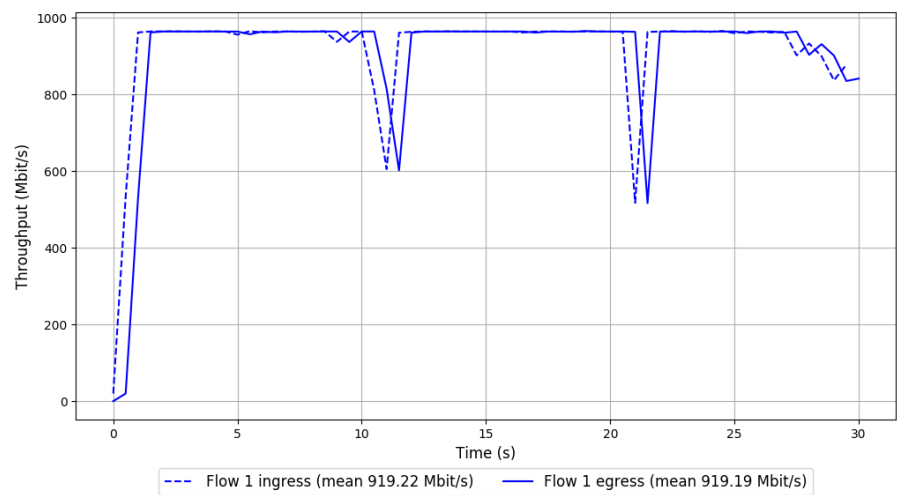
-- Flow 1:

Average throughput: 919.19 Mbit/s

95th percentile per-packet one-way delay: 1.960 ms

Loss rate: 0.07%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 17:11:40

End at: 2018-08-01 17:12:10

Local clock offset: 0.238 ms

Remote clock offset: -2.21 ms

Below is generated by plot.py at 2018-08-01 21:44:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 924.22 Mbit/s

95th percentile per-packet one-way delay: 1.983 ms

Loss rate: 0.07%

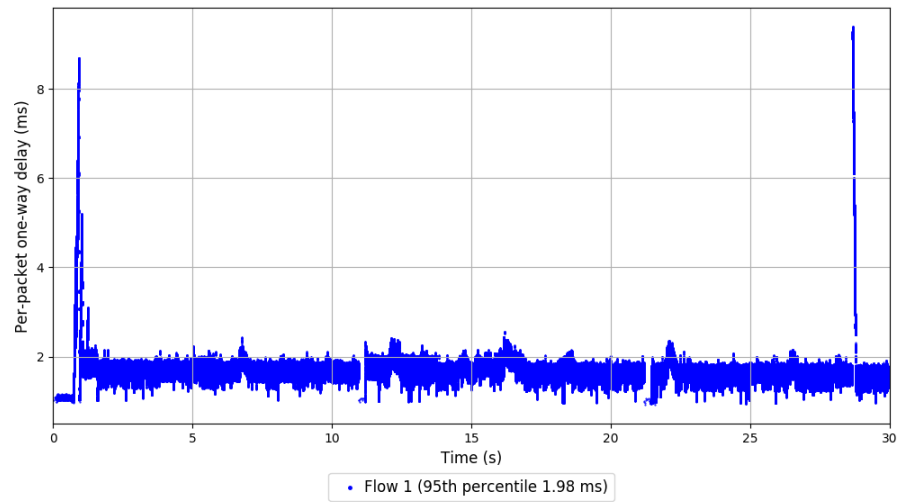
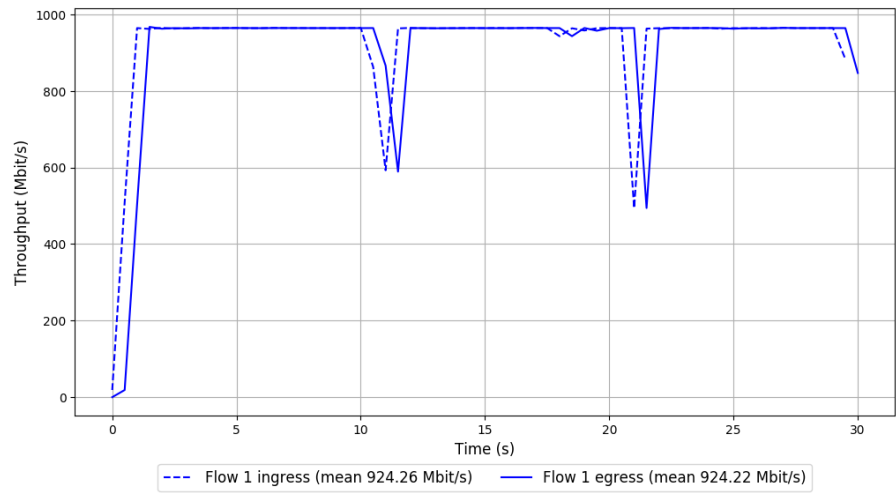
-- Flow 1:

Average throughput: 924.22 Mbit/s

95th percentile per-packet one-way delay: 1.983 ms

Loss rate: 0.07%

Run 3: Report of FillP-Sheep — Data Link

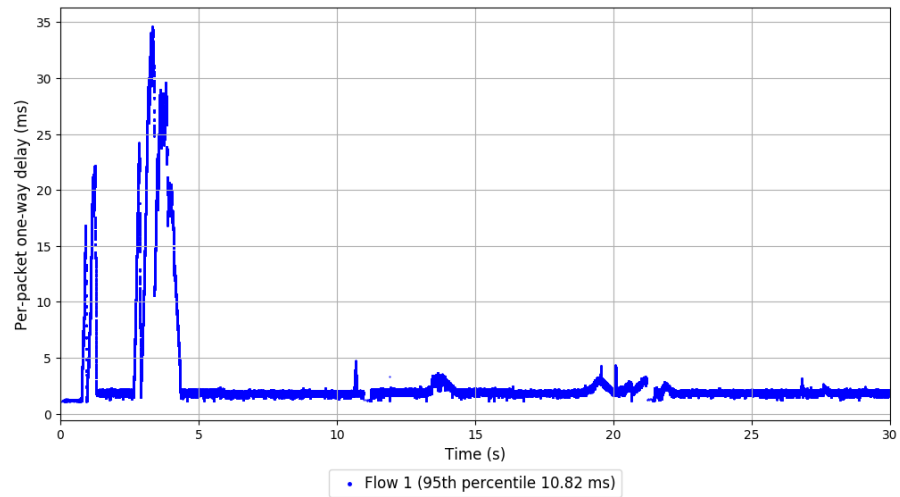
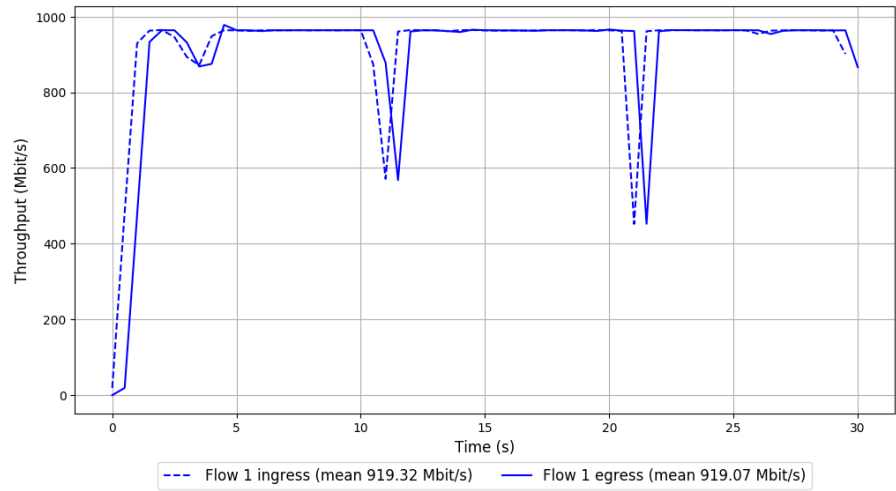


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 17:37:39
End at: 2018-08-01 17:38:09
Local clock offset: -2.828 ms
Remote clock offset: -4.117 ms

Below is generated by plot.py at 2018-08-01 21:45:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 919.07 Mbit/s
95th percentile per-packet one-way delay: 10.825 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 919.07 Mbit/s
95th percentile per-packet one-way delay: 10.825 ms
Loss rate: 0.09%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 18:03:43

End at: 2018-08-01 18:04:13

Local clock offset: -4.74 ms

Remote clock offset: -3.602 ms

Below is generated by plot.py at 2018-08-01 21:45:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 920.35 Mbit/s

95th percentile per-packet one-way delay: 1.799 ms

Loss rate: 0.07%

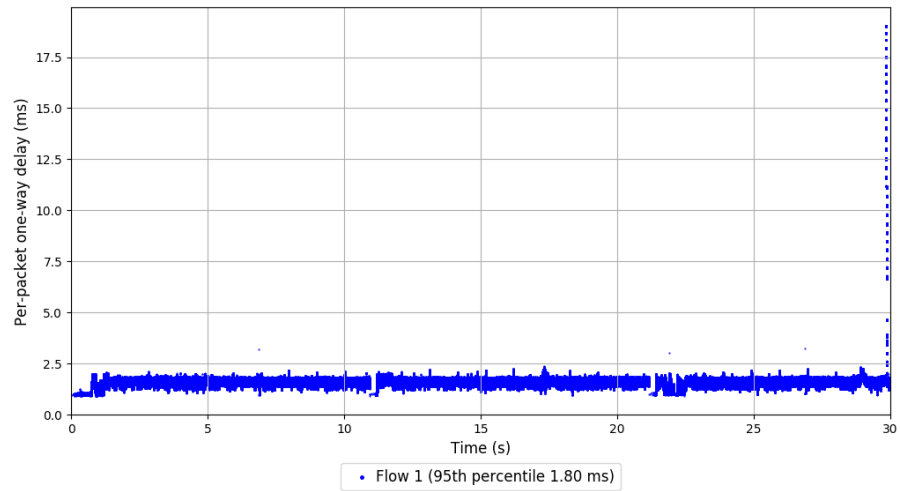
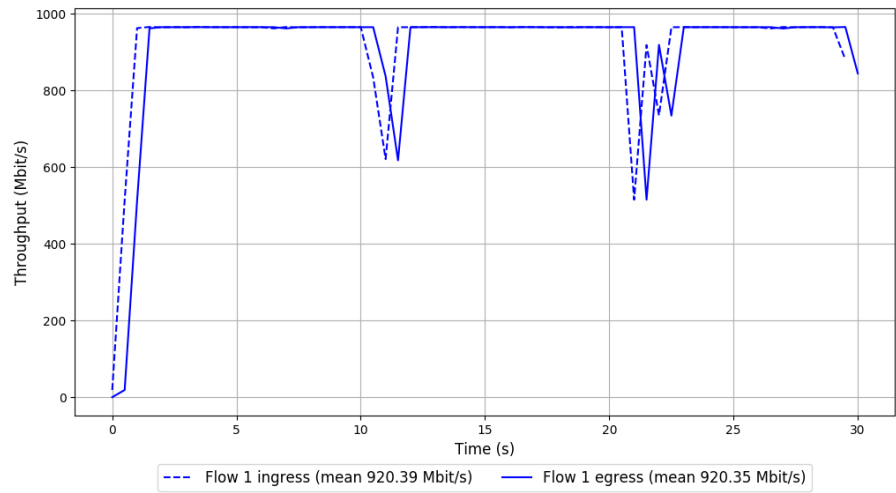
-- Flow 1:

Average throughput: 920.35 Mbit/s

95th percentile per-packet one-way delay: 1.799 ms

Loss rate: 0.07%

Run 5: Report of FillP-Sheep — Data Link

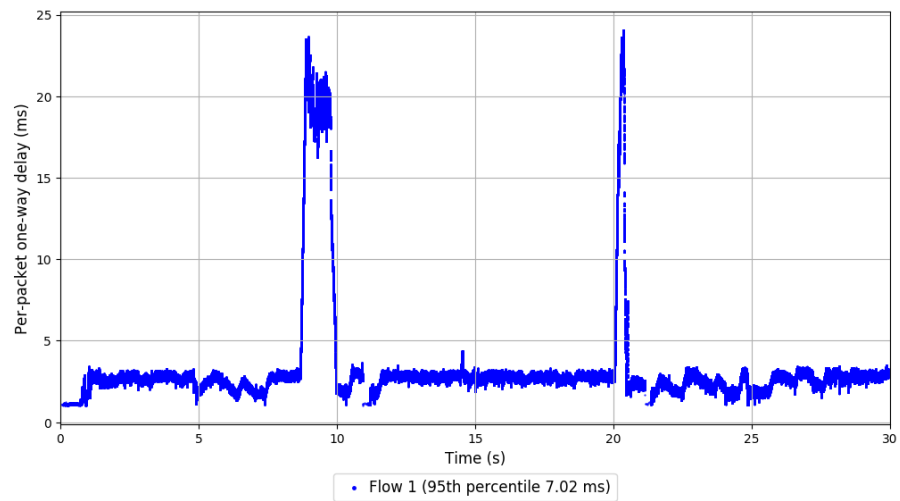
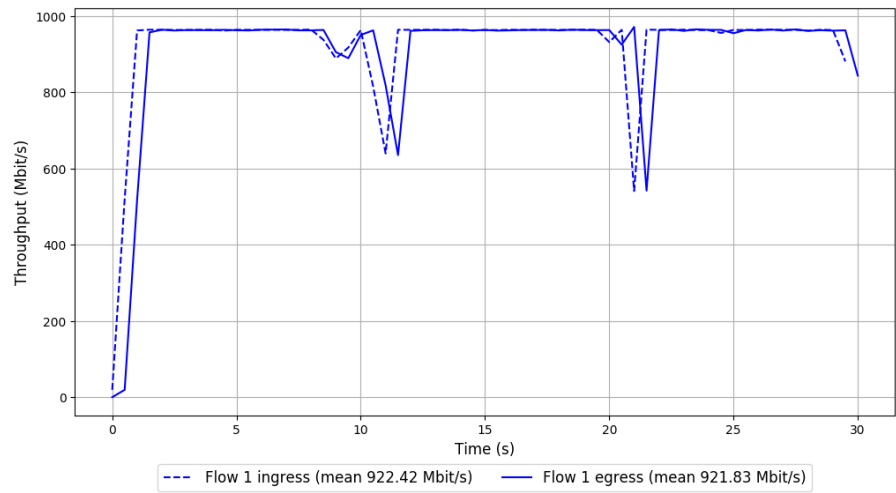


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 18:29:40
End at: 2018-08-01 18:30:10
Local clock offset: -6.401 ms
Remote clock offset: -3.217 ms

Below is generated by plot.py at 2018-08-01 21:46:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 921.83 Mbit/s
95th percentile per-packet one-way delay: 7.017 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 921.83 Mbit/s
95th percentile per-packet one-way delay: 7.017 ms
Loss rate: 0.13%

Run 6: Report of FillP-Sheep — Data Link

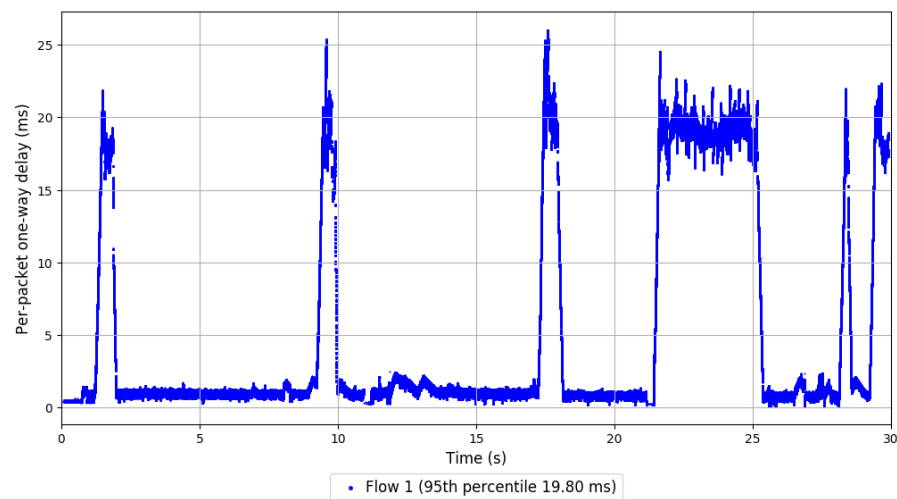
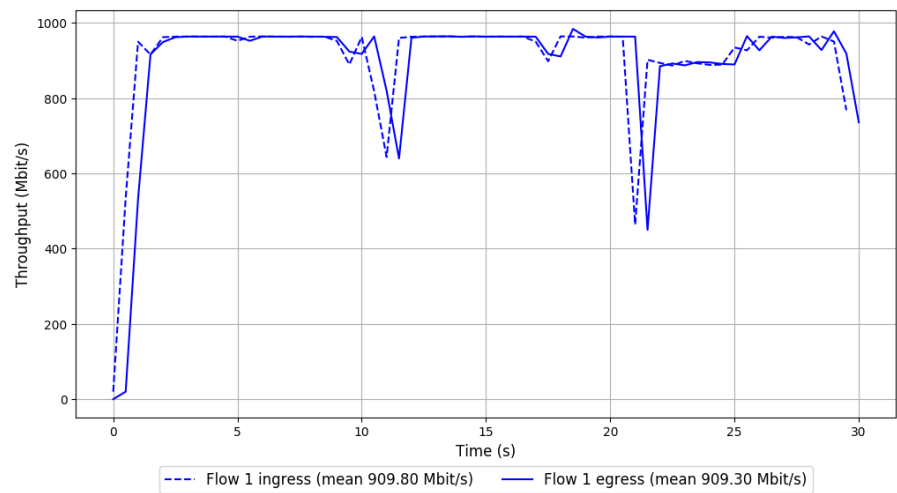


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 18:55:30
End at: 2018-08-01 18:56:00
Local clock offset: -5.413 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-08-01 21:54:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 909.30 Mbit/s
95th percentile per-packet one-way delay: 19.803 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 909.30 Mbit/s
95th percentile per-packet one-way delay: 19.803 ms
Loss rate: 0.12%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 19:21:30

End at: 2018-08-01 19:22:00

Local clock offset: 2.412 ms

Remote clock offset: 0.565 ms

Below is generated by plot.py at 2018-08-01 21:54:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.24 Mbit/s

95th percentile per-packet one-way delay: 46.365 ms

Loss rate: 6.76%

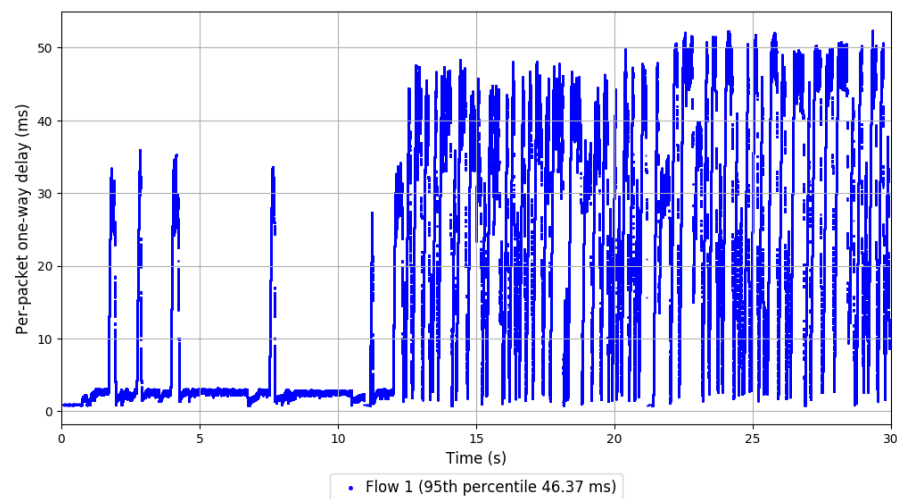
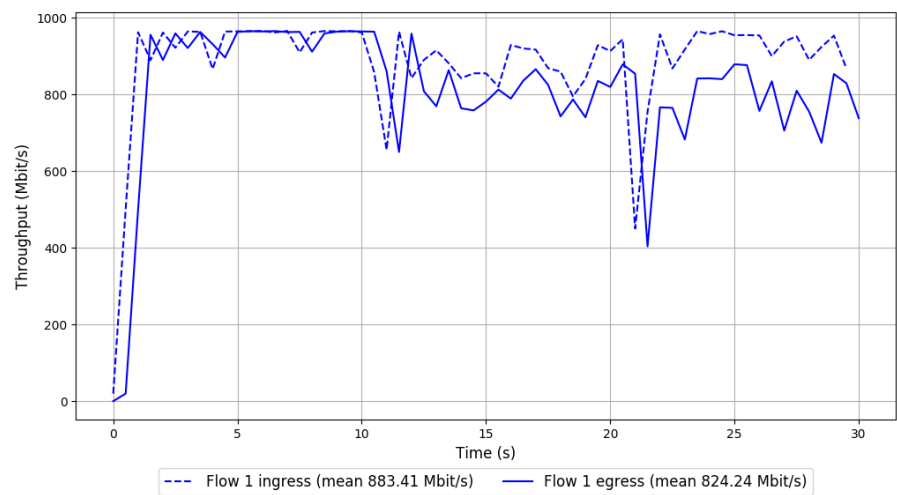
-- Flow 1:

Average throughput: 824.24 Mbit/s

95th percentile per-packet one-way delay: 46.365 ms

Loss rate: 6.76%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 19:47:23

End at: 2018-08-01 19:47:53

Local clock offset: 1.89 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-08-01 21:55:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 922.51 Mbit/s

95th percentile per-packet one-way delay: 2.213 ms

Loss rate: 0.07%

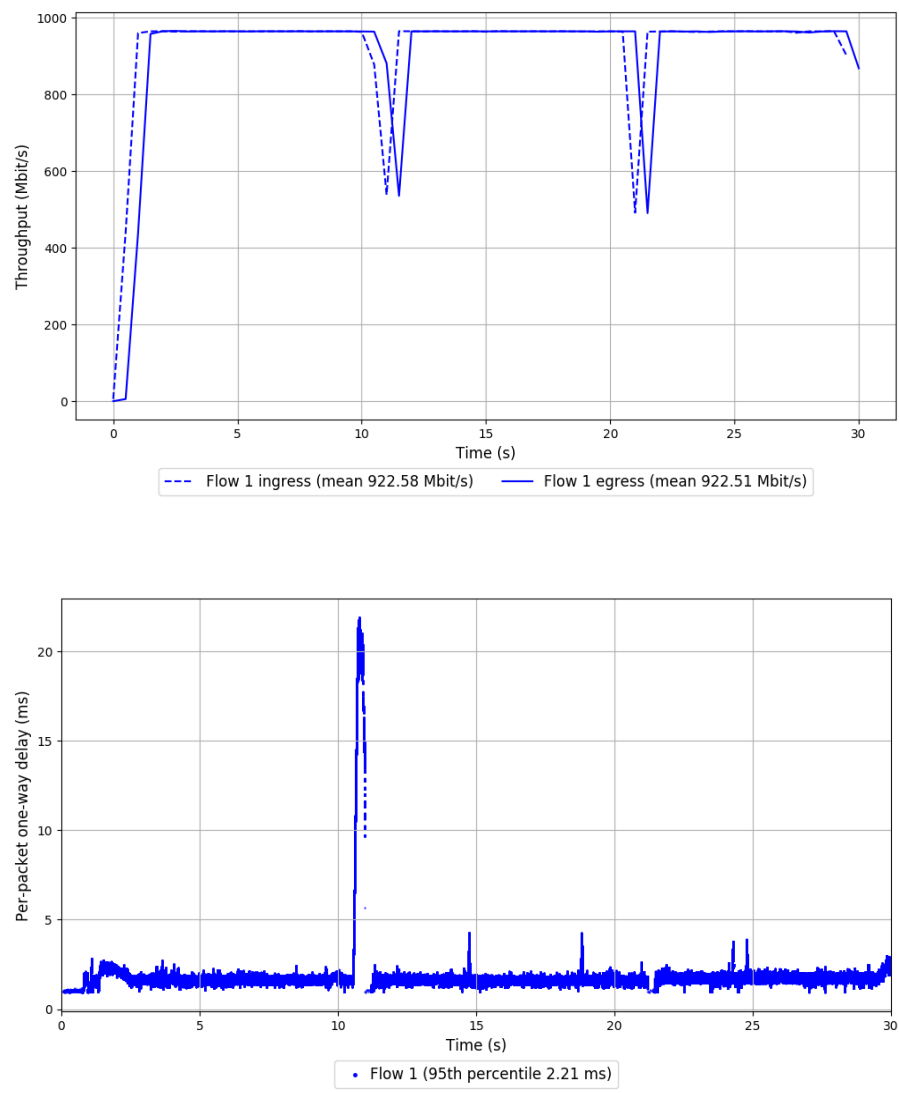
-- Flow 1:

Average throughput: 922.51 Mbit/s

95th percentile per-packet one-way delay: 2.213 ms

Loss rate: 0.07%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 20:13:21

End at: 2018-08-01 20:13:51

Local clock offset: 1.052 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-08-01 21:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 936.88 Mbit/s

95th percentile per-packet one-way delay: 2.015 ms

Loss rate: 0.07%

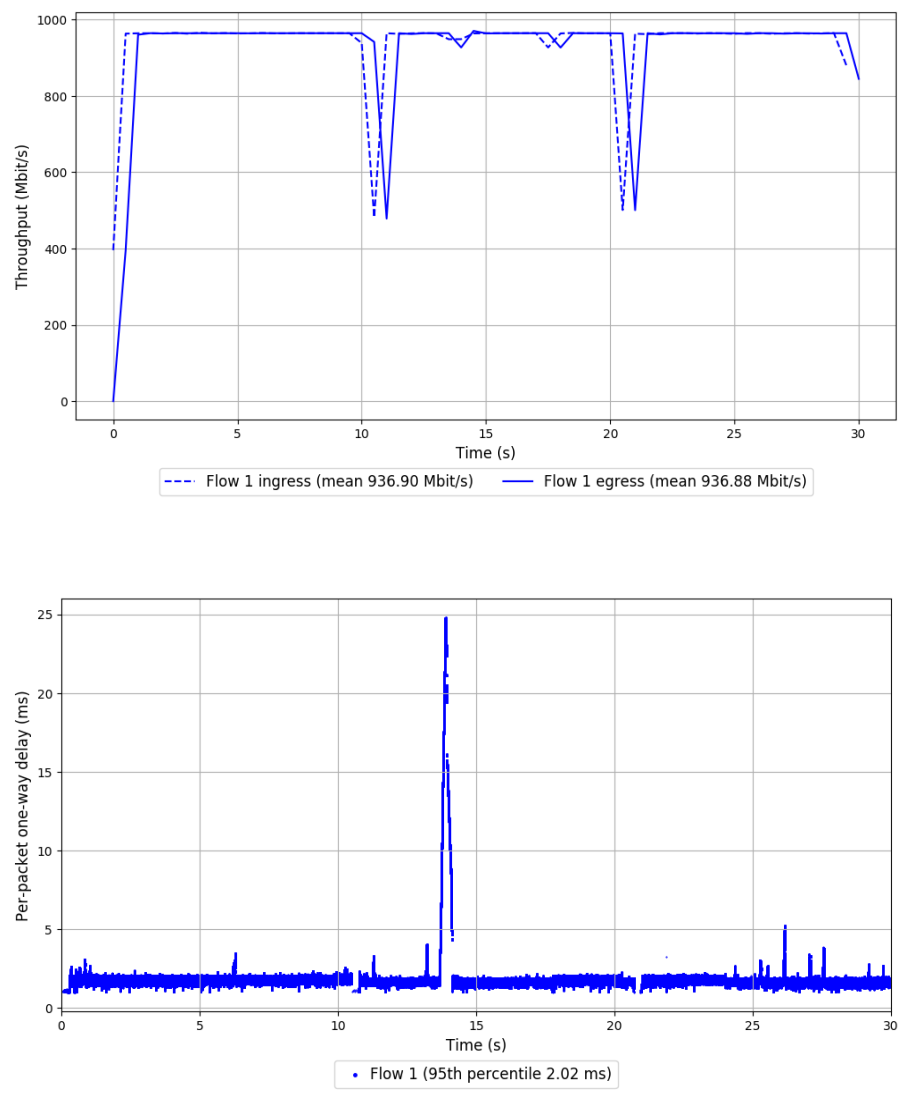
-- Flow 1:

Average throughput: 936.88 Mbit/s

95th percentile per-packet one-way delay: 2.015 ms

Loss rate: 0.07%

Run 10: Report of FillP-Sheep — Data Link

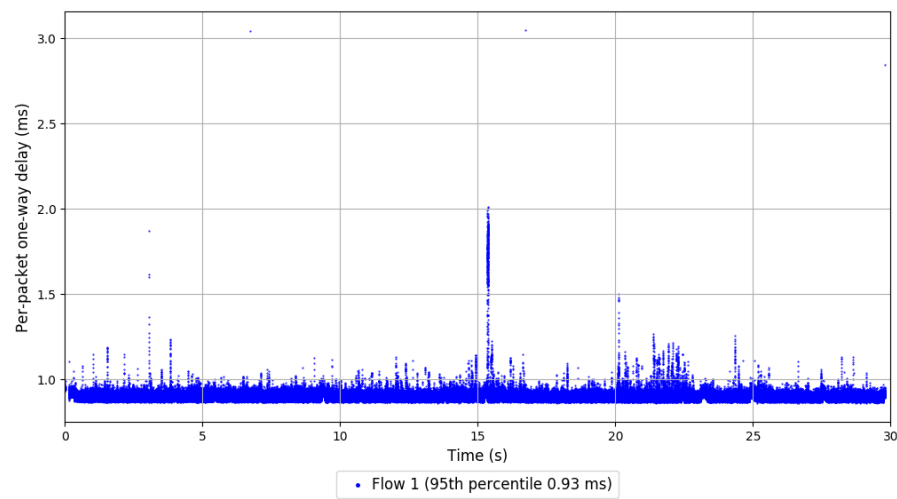
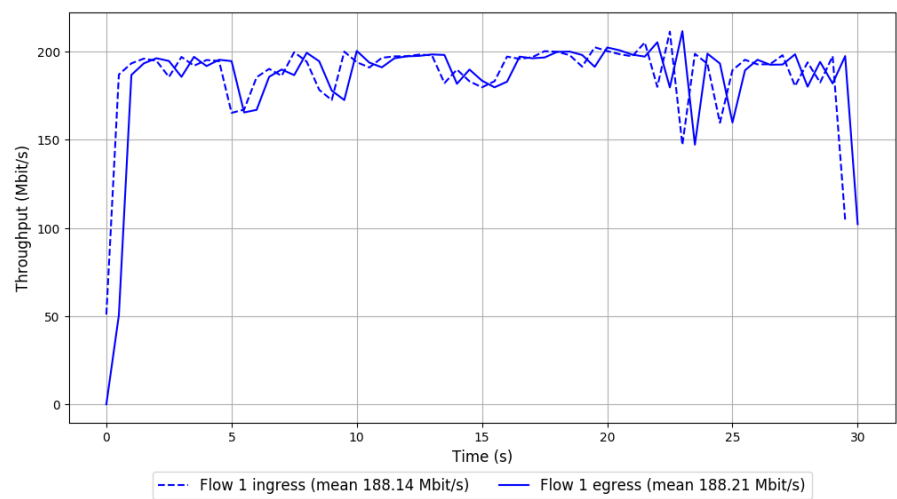


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 16:27:25
End at: 2018-08-01 16:27:55
Local clock offset: 0.123 ms
Remote clock offset: 0.58 ms

# Below is generated by plot.py at 2018-08-01 21:56:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.21 Mbit/s
95th percentile per-packet one-way delay: 0.925 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 188.21 Mbit/s
95th percentile per-packet one-way delay: 0.925 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-01 16:53:18

End at: 2018-08-01 16:53:48

Local clock offset: 0.198 ms

Remote clock offset: 1.236 ms

Below is generated by plot.py at 2018-08-01 21:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.22 Mbit/s

95th percentile per-packet one-way delay: 0.978 ms

Loss rate: 0.07%

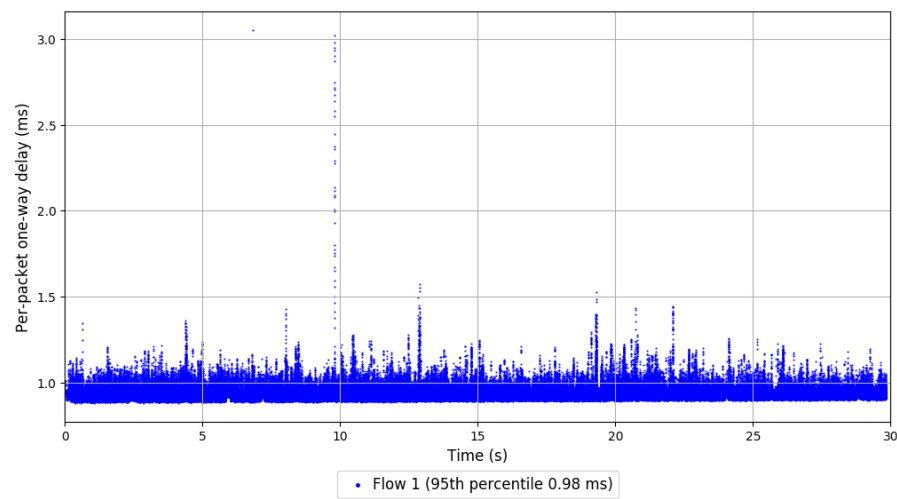
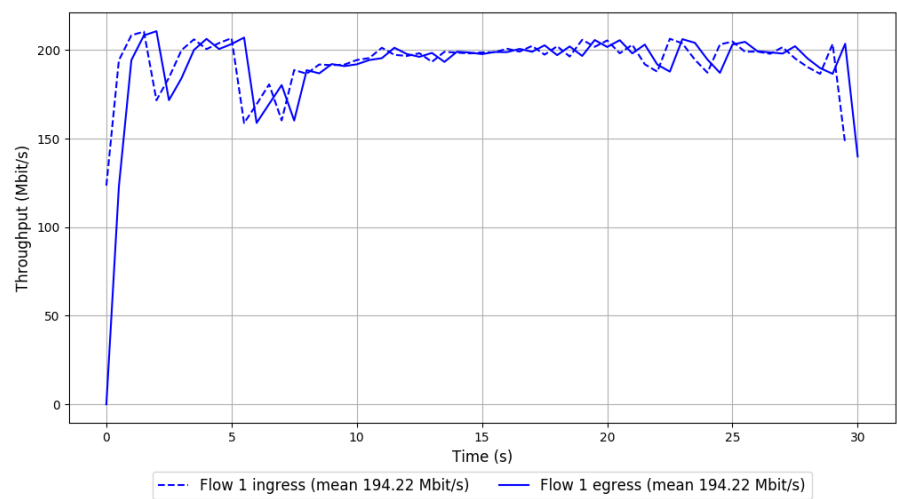
-- Flow 1:

Average throughput: 194.22 Mbit/s

95th percentile per-packet one-way delay: 0.978 ms

Loss rate: 0.07%

Run 2: Report of Indigo — Data Link

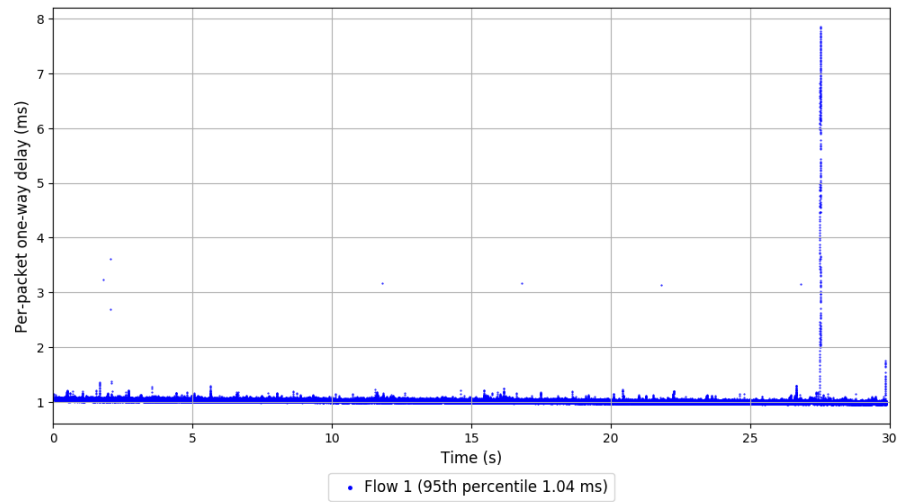
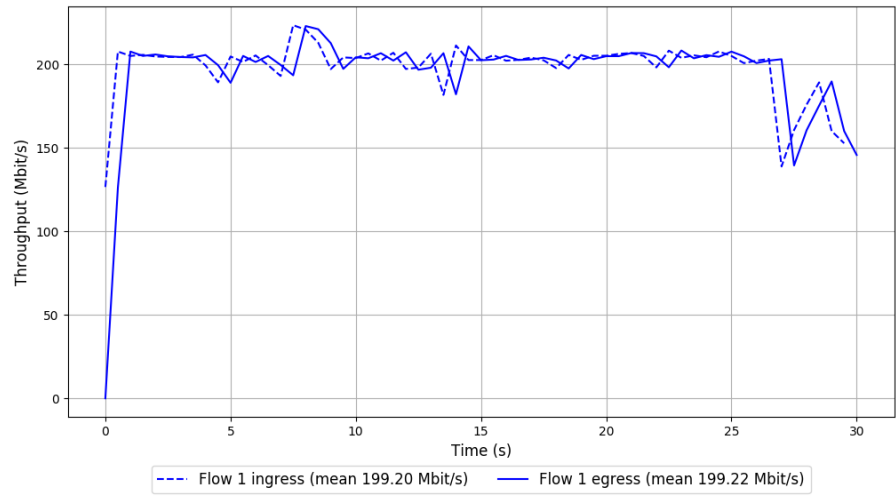


Run 3: Statistics of Indigo

Start at: 2018-08-01 17:19:17
End at: 2018-08-01 17:19:47
Local clock offset: 0.274 ms
Remote clock offset: -3.299 ms

Below is generated by plot.py at 2018-08-01 21:56:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.22 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 199.22 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.06%

Run 3: Report of Indigo — Data Link

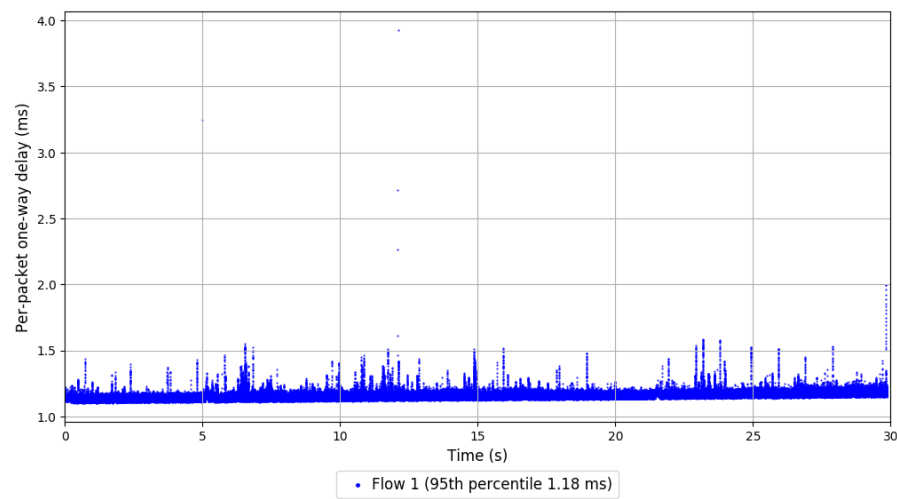
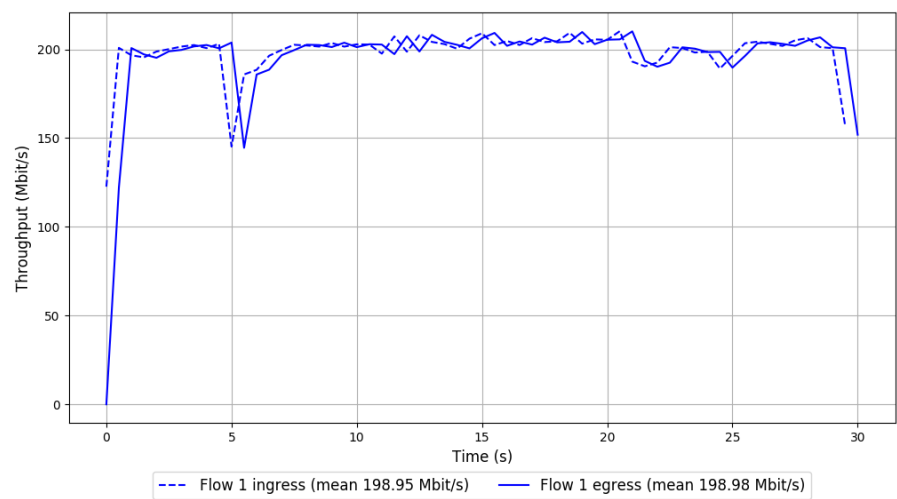


Run 4: Statistics of Indigo

Start at: 2018-08-01 17:45:22
End at: 2018-08-01 17:45:52
Local clock offset: -3.51 ms
Remote clock offset: -3.609 ms

Below is generated by plot.py at 2018-08-01 21:56:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.98 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 198.98 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.05%

Run 4: Report of Indigo — Data Link

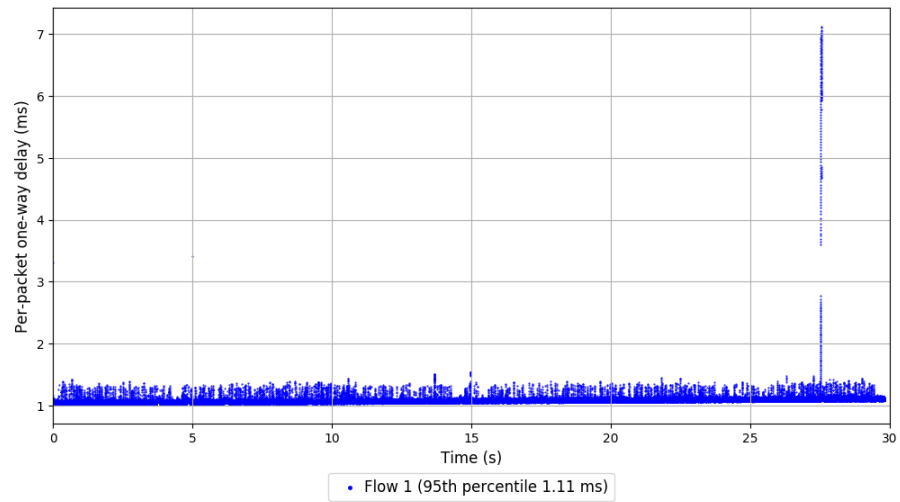
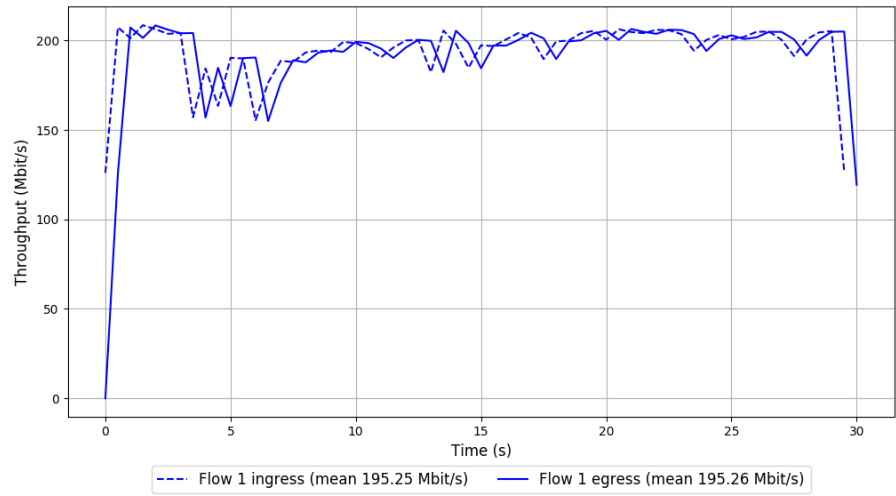


Run 5: Statistics of Indigo

Start at: 2018-08-01 18:11:24
End at: 2018-08-01 18:11:54
Local clock offset: -5.261 ms
Remote clock offset: -3.582 ms

Below is generated by plot.py at 2018-08-01 21:56:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.26 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 195.26 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%

Run 5: Report of Indigo — Data Link

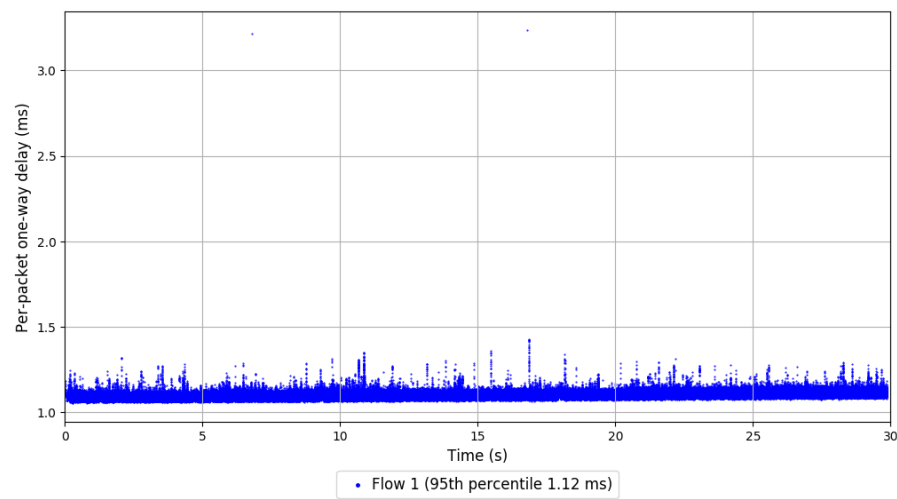
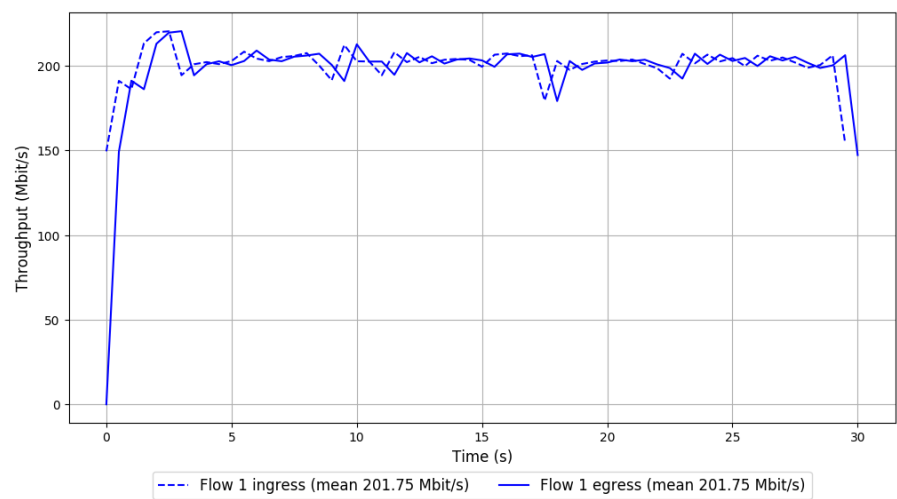


Run 6: Statistics of Indigo

Start at: 2018-08-01 18:37:18
End at: 2018-08-01 18:37:48
Local clock offset: -6.897 ms
Remote clock offset: -3.291 ms

Below is generated by plot.py at 2018-08-01 21:56:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.75 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 201.75 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.06%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-01 19:03:12

End at: 2018-08-01 19:03:42

Local clock offset: -1.26 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-08-01 21:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.20 Mbit/s

95th percentile per-packet one-way delay: 0.803 ms

Loss rate: 0.07%

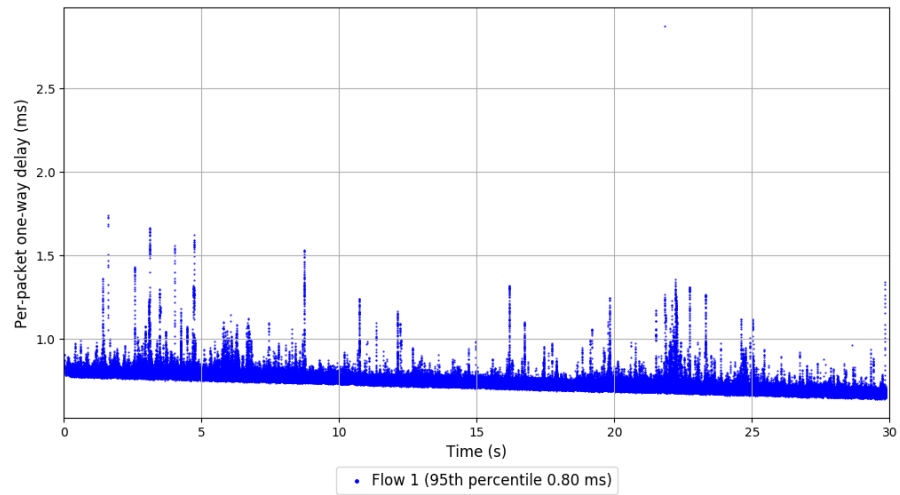
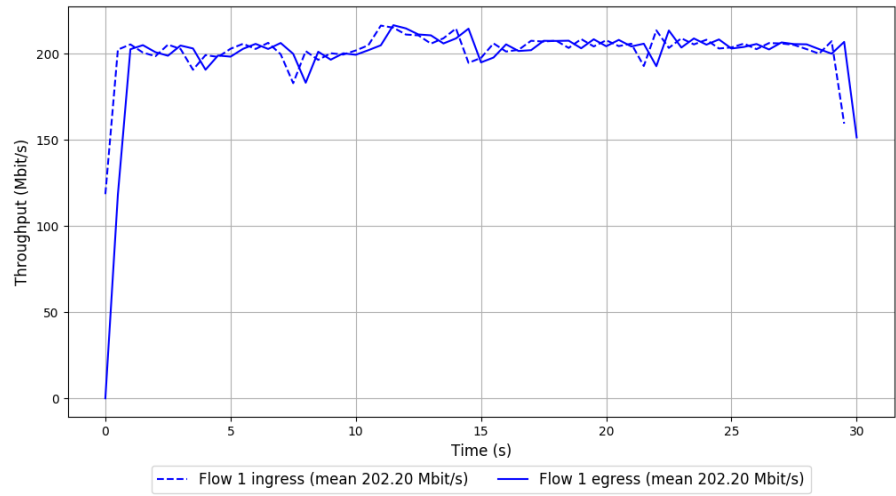
-- Flow 1:

Average throughput: 202.20 Mbit/s

95th percentile per-packet one-way delay: 0.803 ms

Loss rate: 0.07%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-01 19:29:12

End at: 2018-08-01 19:29:42

Local clock offset: 1.716 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-08-01 21:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.19 Mbit/s

95th percentile per-packet one-way delay: 1.134 ms

Loss rate: 0.07%

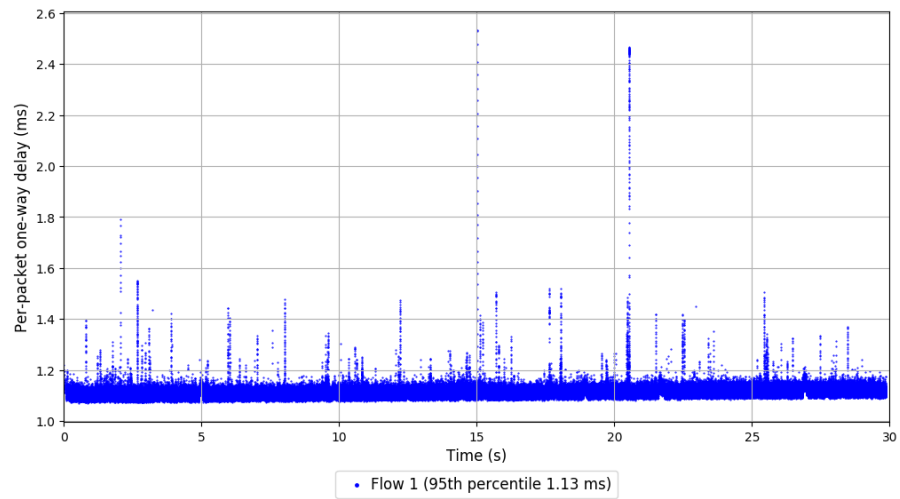
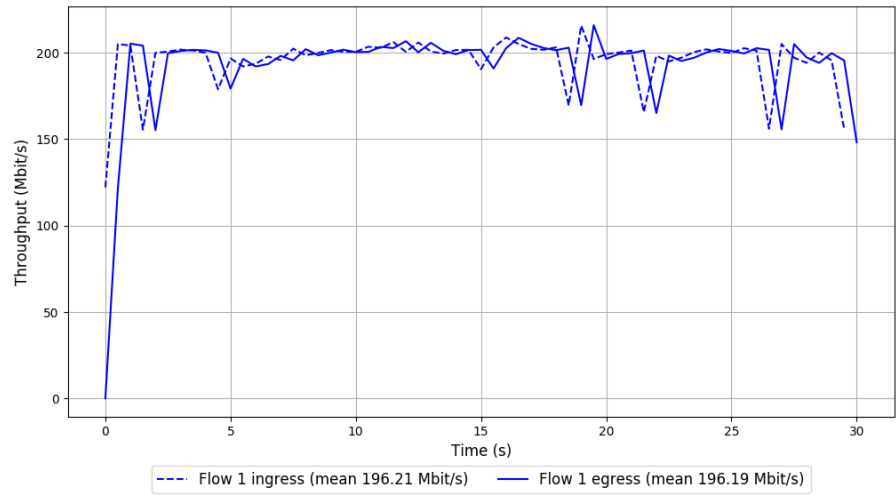
-- Flow 1:

Average throughput: 196.19 Mbit/s

95th percentile per-packet one-way delay: 1.134 ms

Loss rate: 0.07%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-01 19:55:06

End at: 2018-08-01 19:55:36

Local clock offset: 1.709 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-08-01 21:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.13 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.07%

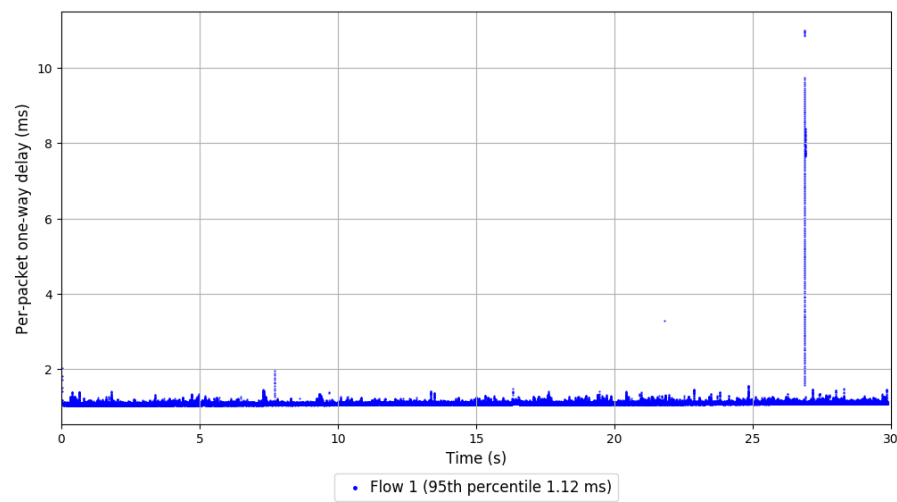
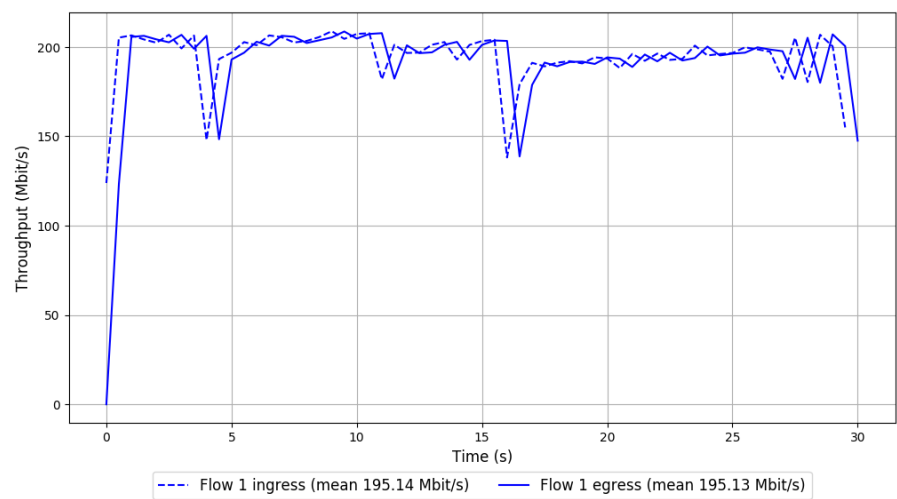
-- Flow 1:

Average throughput: 195.13 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.07%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 20:21:01

End at: 2018-08-01 20:21:31

Local clock offset: 1.22 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-08-01 21:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.49 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.07%

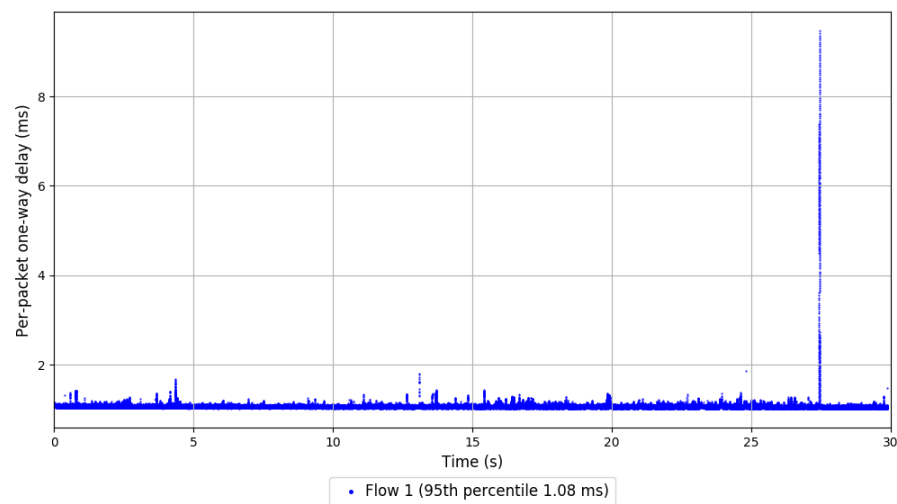
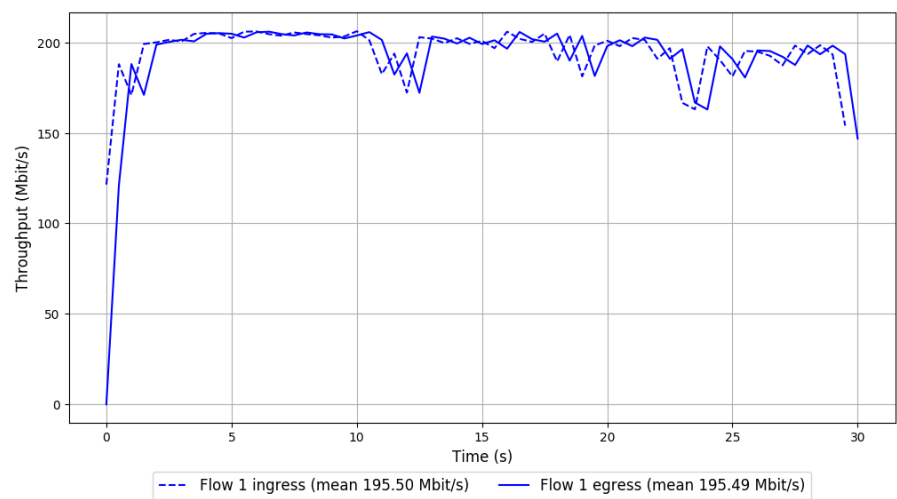
-- Flow 1:

Average throughput: 195.49 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.07%

Run 10: Report of Indigo — Data Link

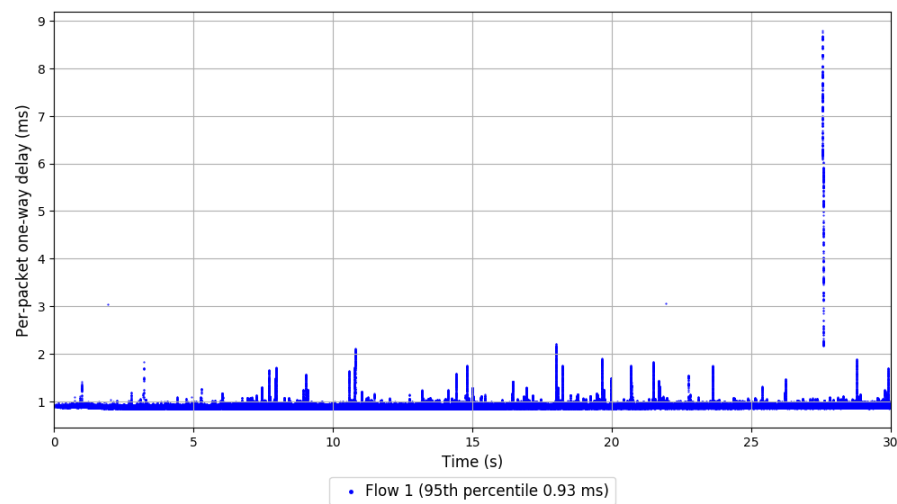
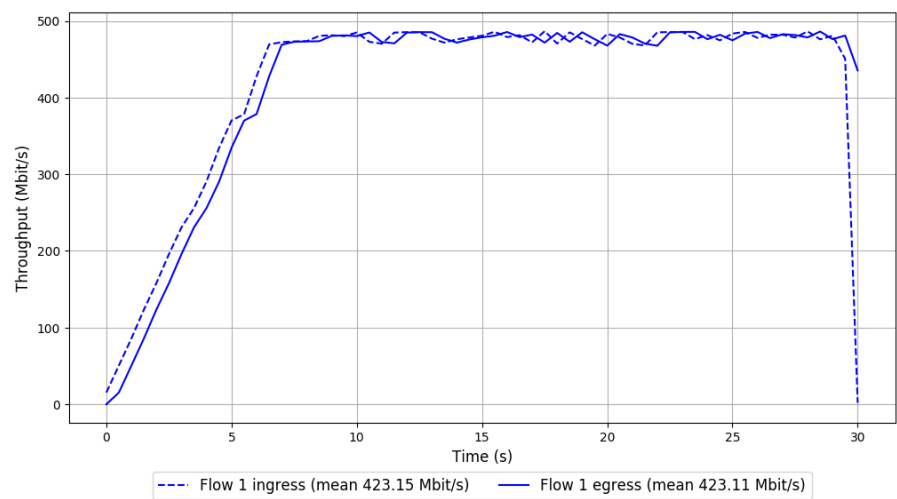


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 16:25:51
End at: 2018-08-01 16:26:21
Local clock offset: 0.098 ms
Remote clock offset: 0.575 ms

# Below is generated by plot.py at 2018-08-01 21:56:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 423.11 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 423.11 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.07%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-01 16:51:43

End at: 2018-08-01 16:52:13

Local clock offset: 0.275 ms

Remote clock offset: 1.152 ms

Below is generated by plot.py at 2018-08-01 21:56:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.86 Mbit/s

95th percentile per-packet one-way delay: 1.061 ms

Loss rate: 0.07%

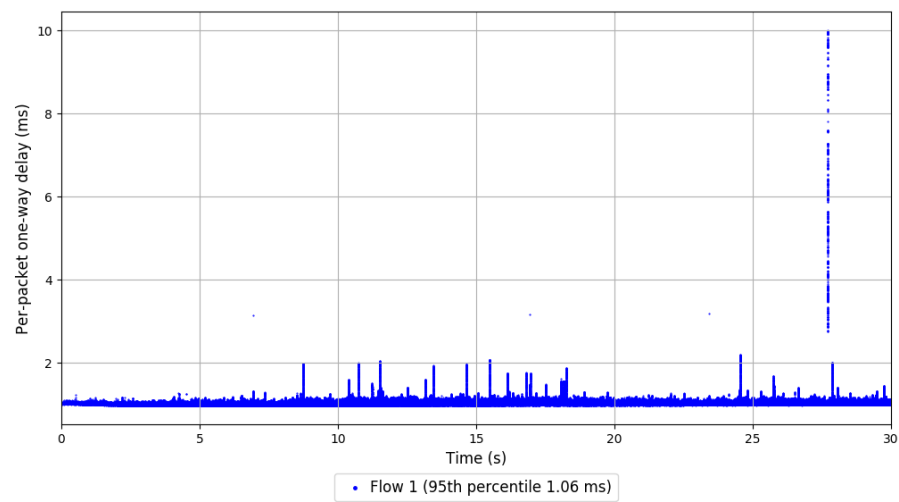
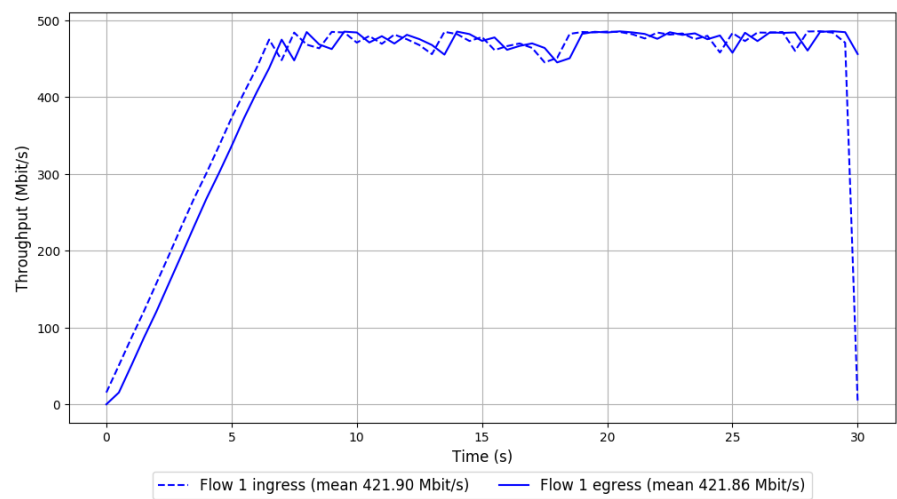
-- Flow 1:

Average throughput: 421.86 Mbit/s

95th percentile per-packet one-way delay: 1.061 ms

Loss rate: 0.07%

Run 2: Report of LEDBAT — Data Link

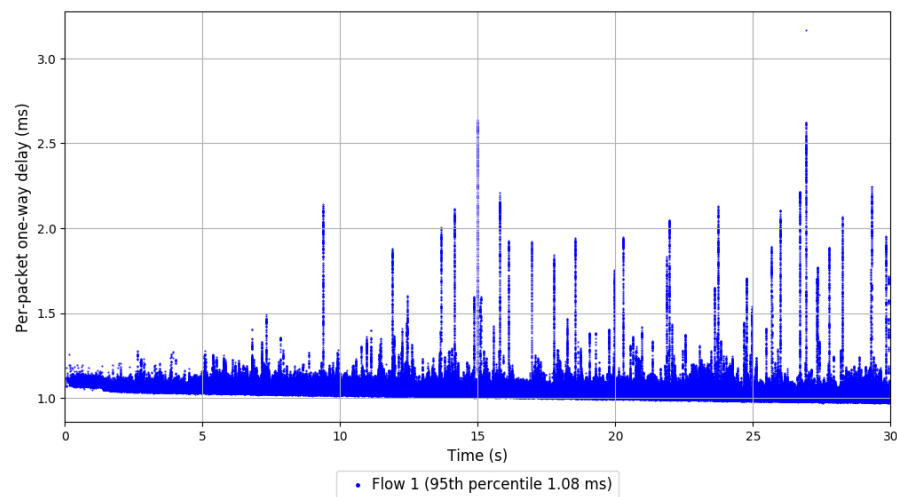
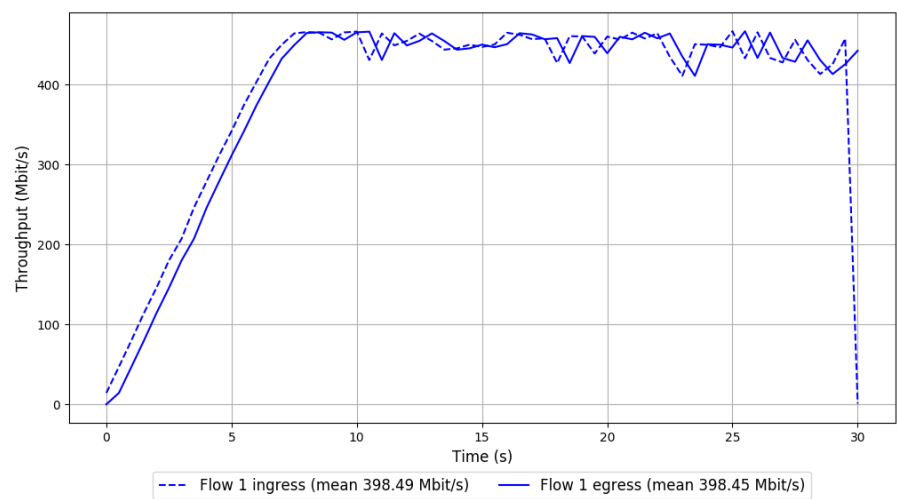


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 17:17:44
End at: 2018-08-01 17:18:14
Local clock offset: 0.276 ms
Remote clock offset: -3.127 ms

Below is generated by plot.py at 2018-08-01 21:56:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 398.45 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 398.45 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link

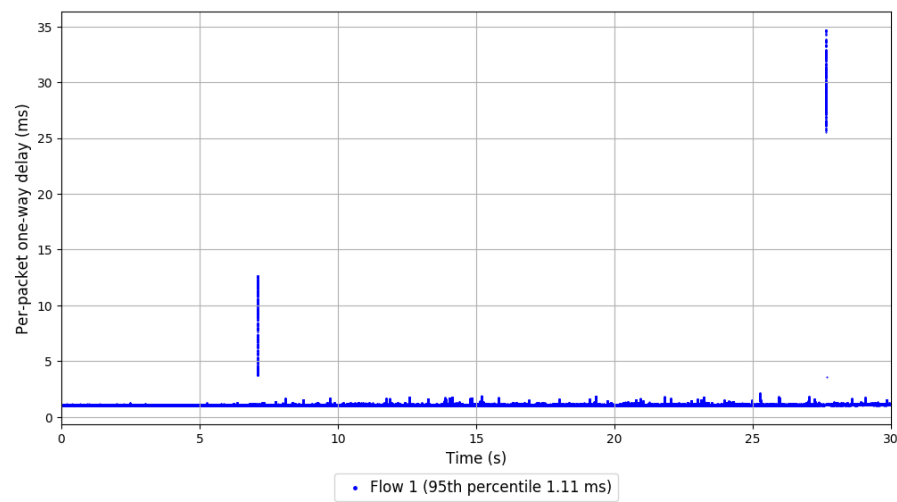
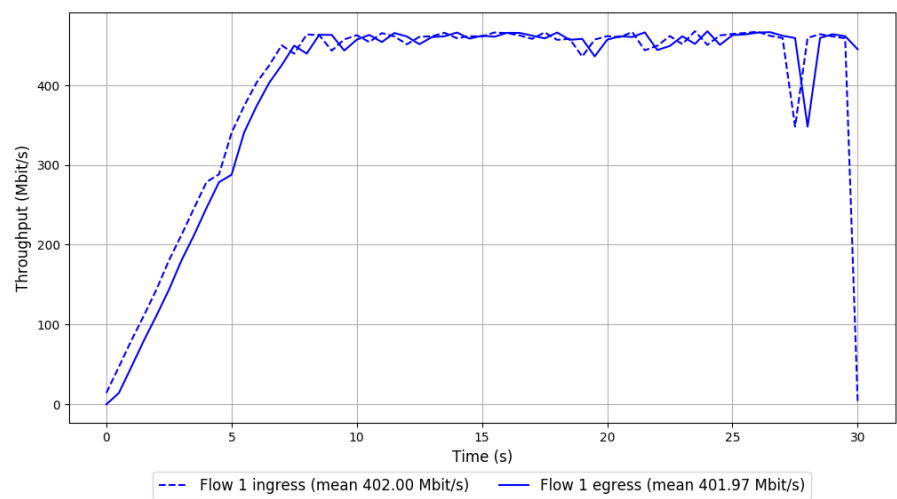


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 17:43:49
End at: 2018-08-01 17:44:19
Local clock offset: -3.423 ms
Remote clock offset: -3.617 ms

Below is generated by plot.py at 2018-08-01 21:56:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 401.97 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 401.97 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

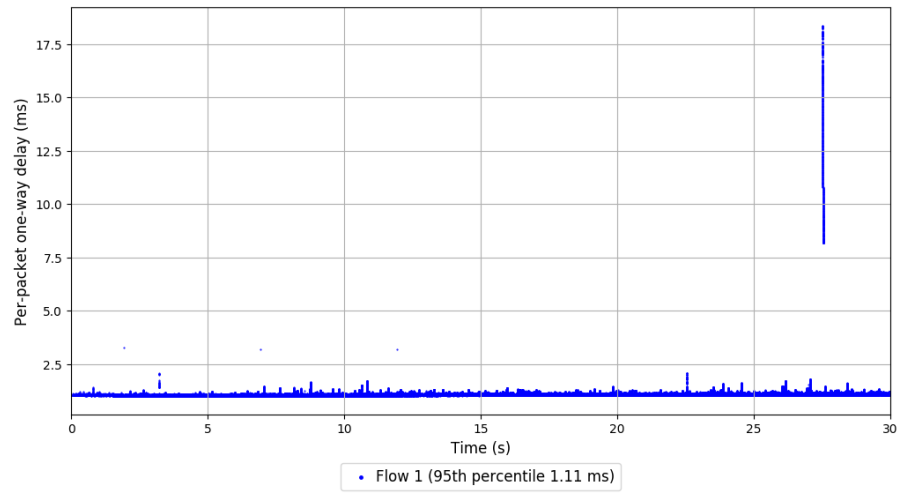
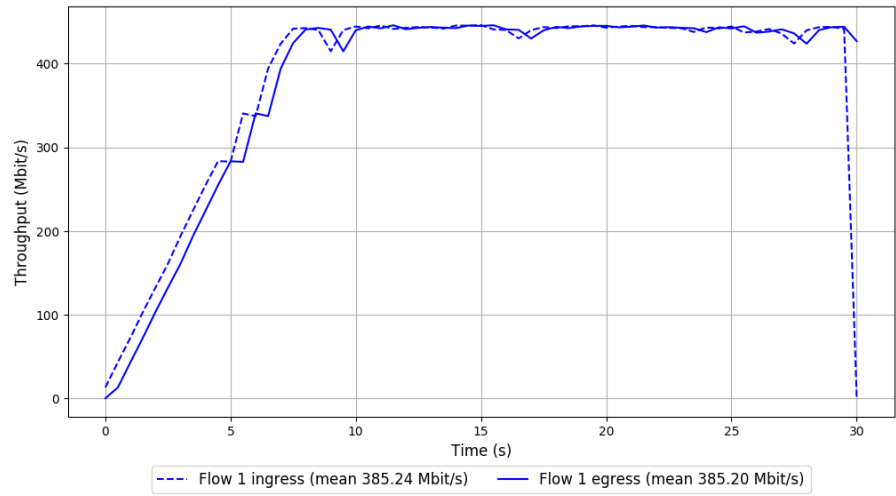


Run 5: Statistics of LEDBAT

Start at: 2018-08-01 18:09:51
End at: 2018-08-01 18:10:21
Local clock offset: -5.167 ms
Remote clock offset: -3.693 ms

Below is generated by plot.py at 2018-08-01 21:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.20 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 385.20 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

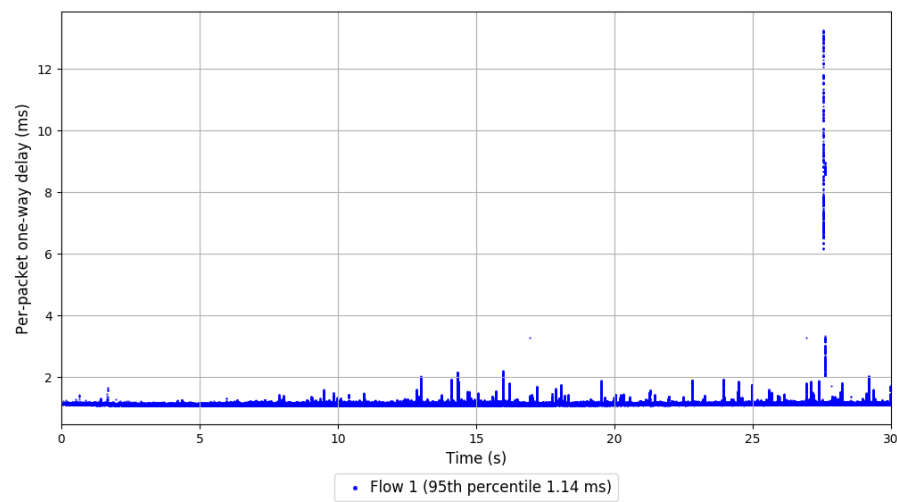
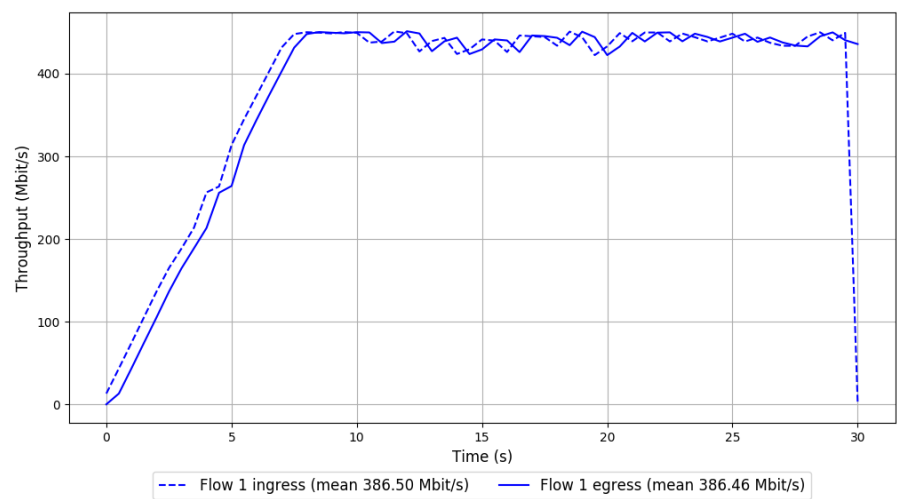


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 18:35:44
End at: 2018-08-01 18:36:14
Local clock offset: -6.812 ms
Remote clock offset: -3.281 ms

Below is generated by plot.py at 2018-08-01 21:58:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 386.46 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 386.46 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-01 19:01:38

End at: 2018-08-01 19:02:08

Local clock offset: -1.849 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-08-01 21:59:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.30 Mbit/s

95th percentile per-packet one-way delay: 0.786 ms

Loss rate: 0.07%

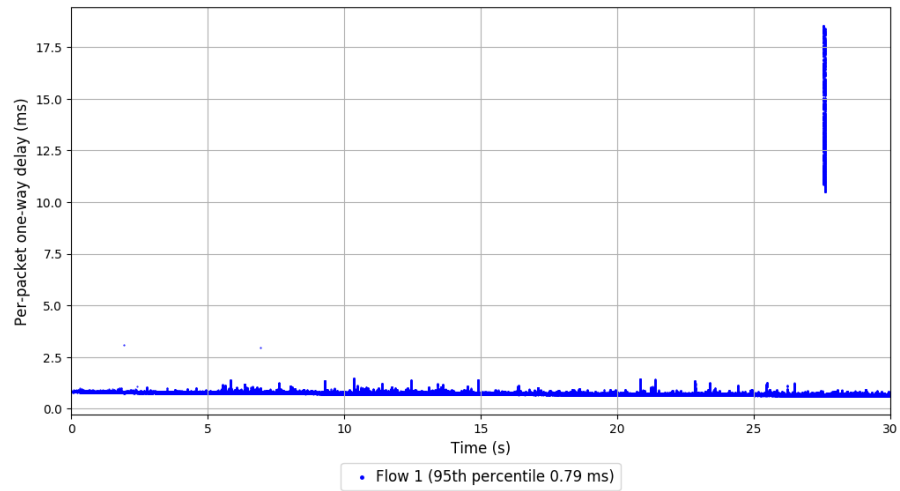
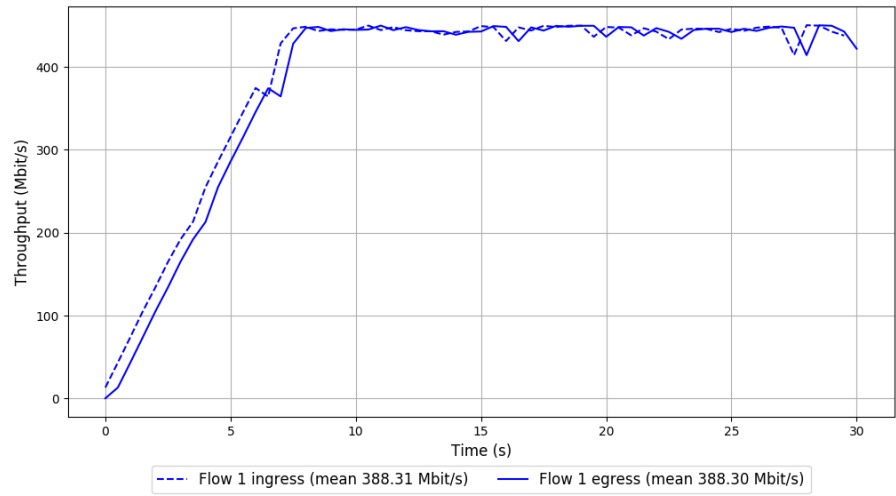
-- Flow 1:

Average throughput: 388.30 Mbit/s

95th percentile per-packet one-way delay: 0.786 ms

Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-01 19:27:39

End at: 2018-08-01 19:28:09

Local clock offset: 1.75 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2018-08-01 21:59:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.69 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 0.08%

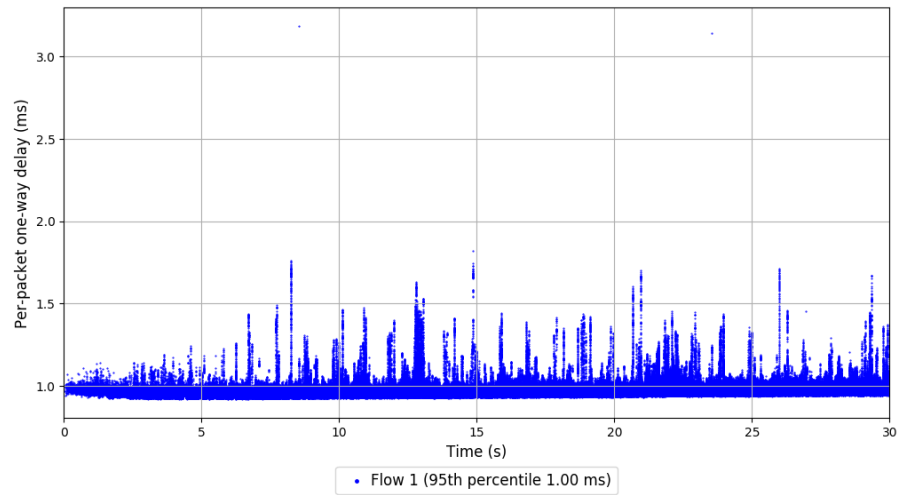
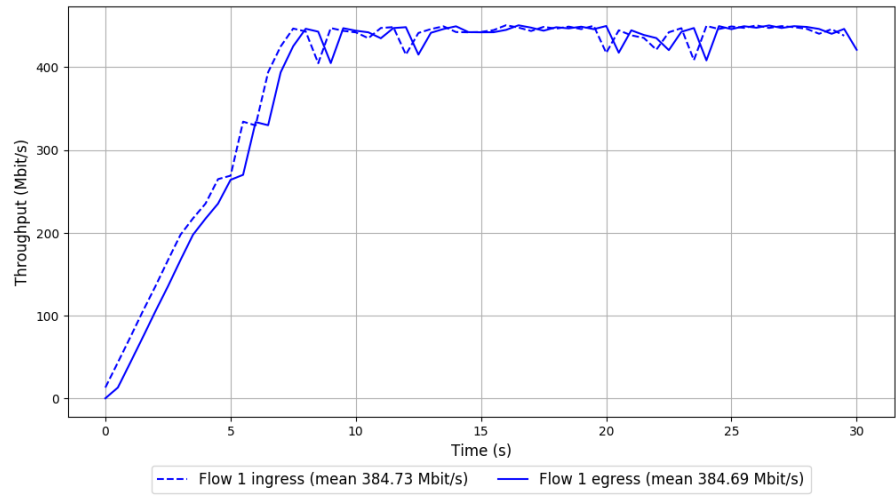
-- Flow 1:

Average throughput: 384.69 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-01 19:53:33

End at: 2018-08-01 19:54:03

Local clock offset: 1.979 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-01 22:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.40 Mbit/s

95th percentile per-packet one-way delay: 1.193 ms

Loss rate: 0.07%

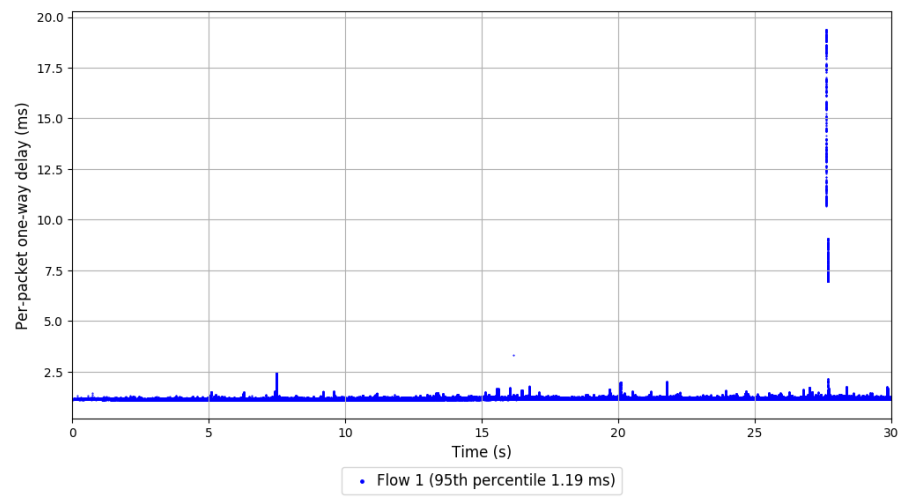
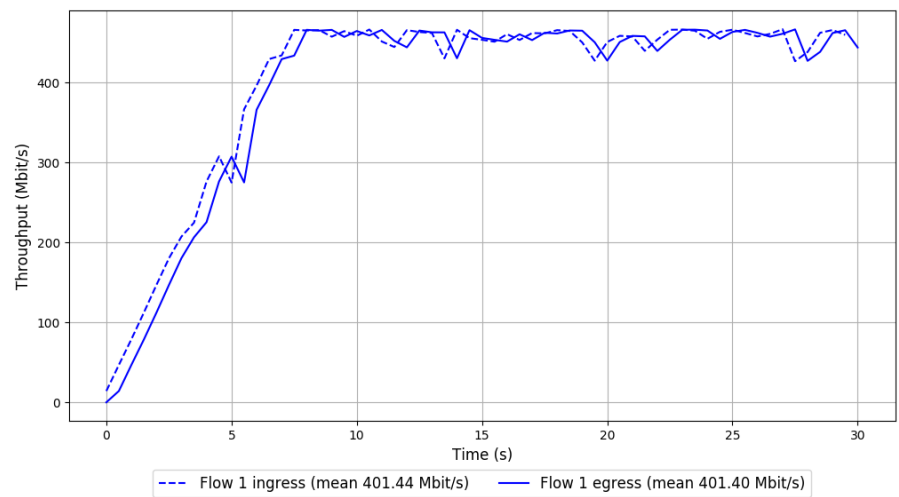
-- Flow 1:

Average throughput: 401.40 Mbit/s

95th percentile per-packet one-way delay: 1.193 ms

Loss rate: 0.07%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-01 20:19:27

End at: 2018-08-01 20:19:58

Local clock offset: 1.181 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-01 22:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.61 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.06%

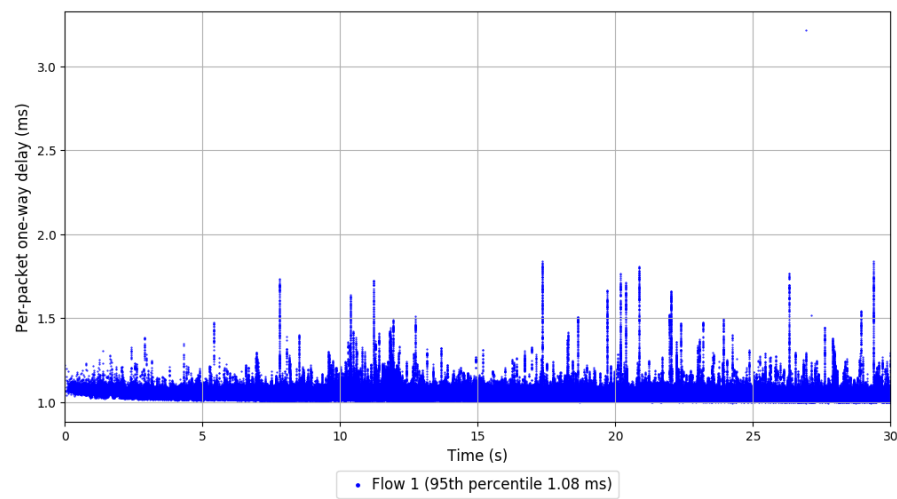
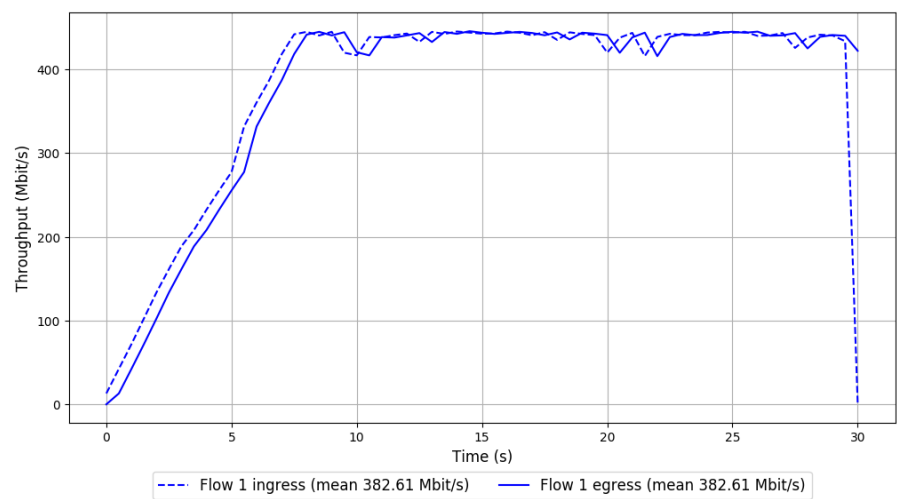
-- Flow 1:

Average throughput: 382.61 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 16:39:06

End at: 2018-08-01 16:39:36

Local clock offset: 0.22 ms

Remote clock offset: 0.789 ms

Below is generated by plot.py at 2018-08-01 22:06:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 920.67 Mbit/s

95th percentile per-packet one-way delay: 1.966 ms

Loss rate: 0.07%

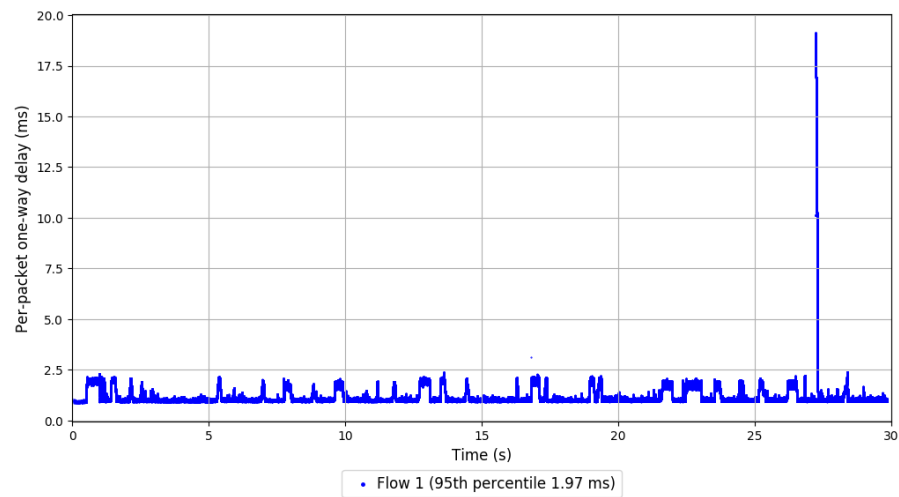
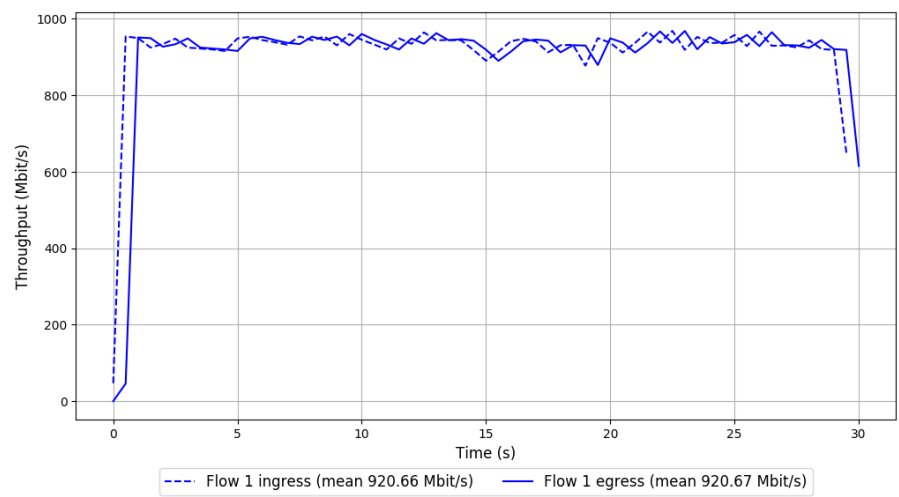
-- Flow 1:

Average throughput: 920.67 Mbit/s

95th percentile per-packet one-way delay: 1.966 ms

Loss rate: 0.07%

Run 1: Report of PCC-Allegro — Data Link

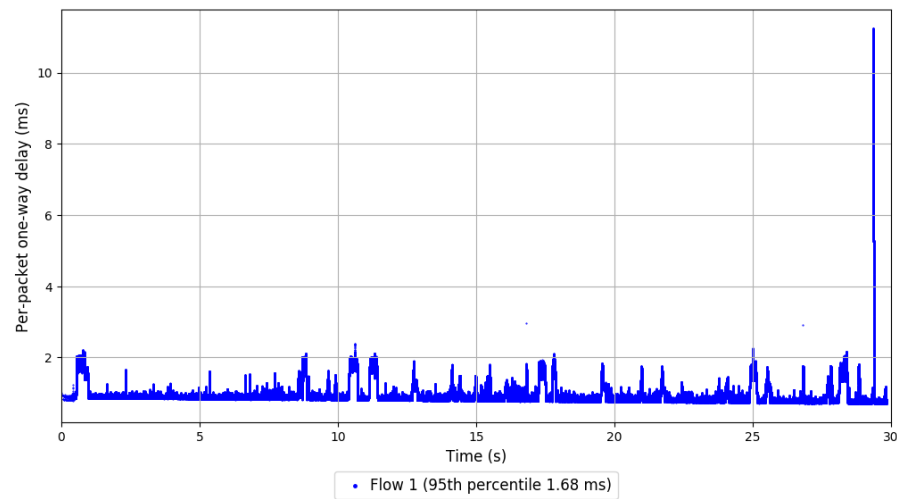
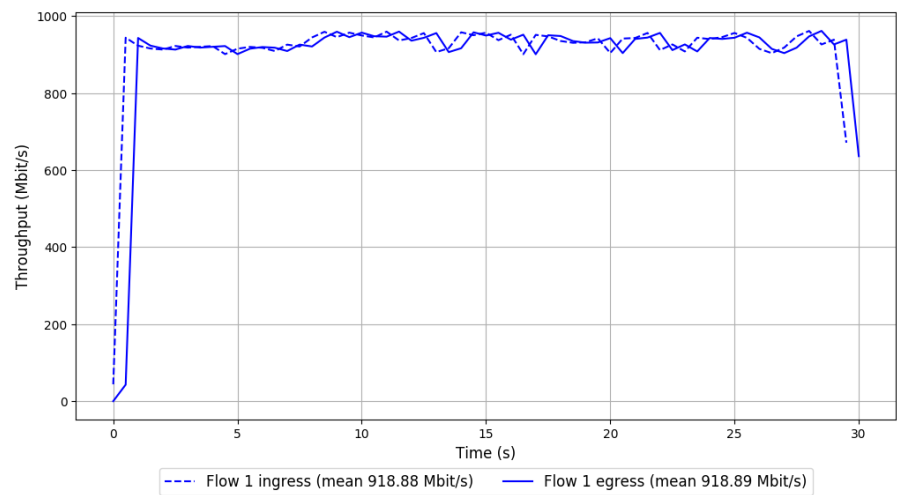


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 17:05:11
End at: 2018-08-01 17:05:41
Local clock offset: 0.171 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2018-08-01 22:06:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 918.89 Mbit/s
95th percentile per-packet one-way delay: 1.682 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 918.89 Mbit/s
95th percentile per-packet one-way delay: 1.682 ms
Loss rate: 0.07%

Run 2: Report of PCC-Allegro — Data Link

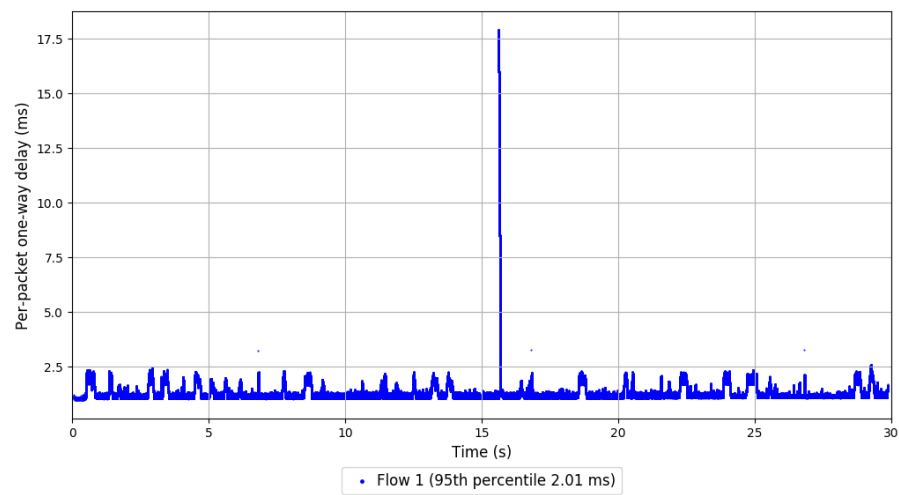
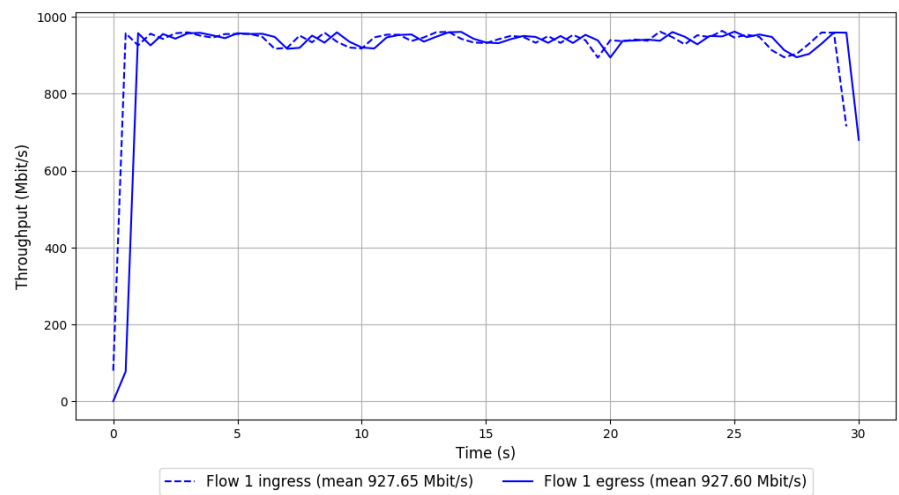


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 17:31:10
End at: 2018-08-01 17:31:40
Local clock offset: -2.065 ms
Remote clock offset: -4.325 ms

Below is generated by plot.py at 2018-08-01 22:08:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 927.60 Mbit/s
95th percentile per-packet one-way delay: 2.011 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 927.60 Mbit/s
95th percentile per-packet one-way delay: 2.011 ms
Loss rate: 0.07%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 17:57:14

End at: 2018-08-01 17:57:44

Local clock offset: -4.242 ms

Remote clock offset: -3.451 ms

Below is generated by plot.py at 2018-08-01 22:08:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 911.75 Mbit/s

95th percentile per-packet one-way delay: 2.009 ms

Loss rate: 0.06%

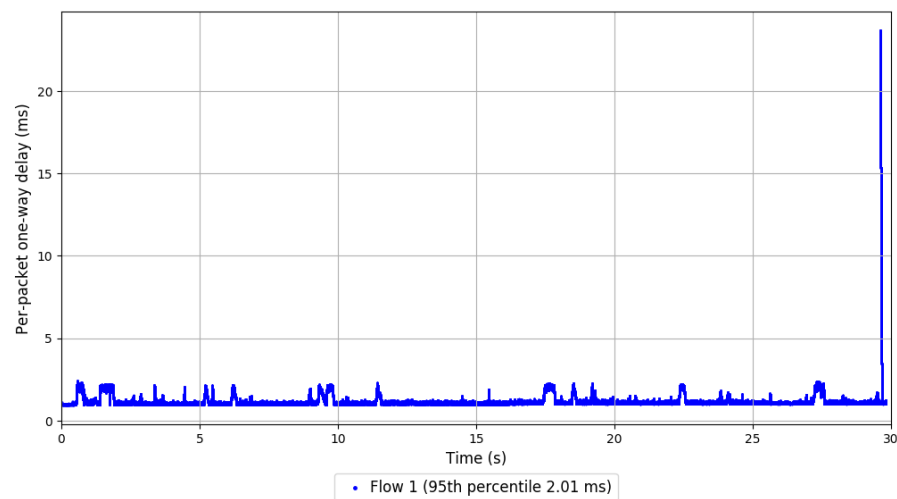
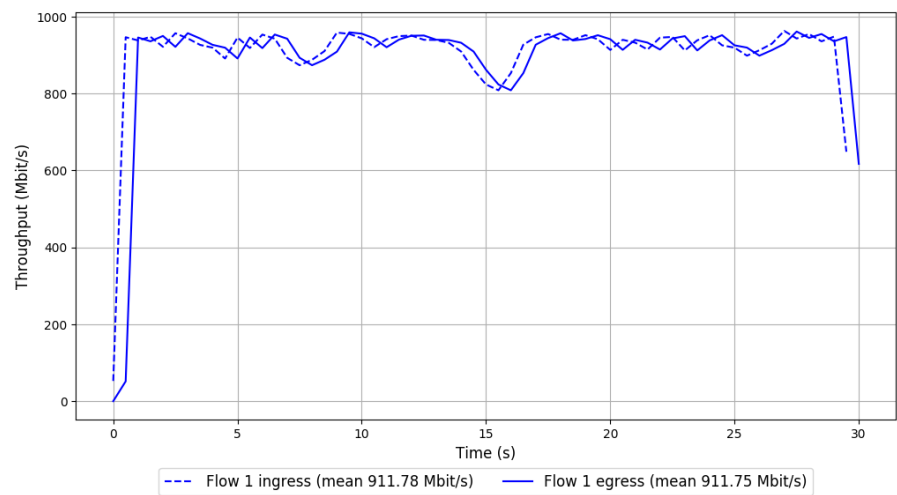
-- Flow 1:

Average throughput: 911.75 Mbit/s

95th percentile per-packet one-way delay: 2.009 ms

Loss rate: 0.06%

Run 4: Report of PCC-Allegro — Data Link

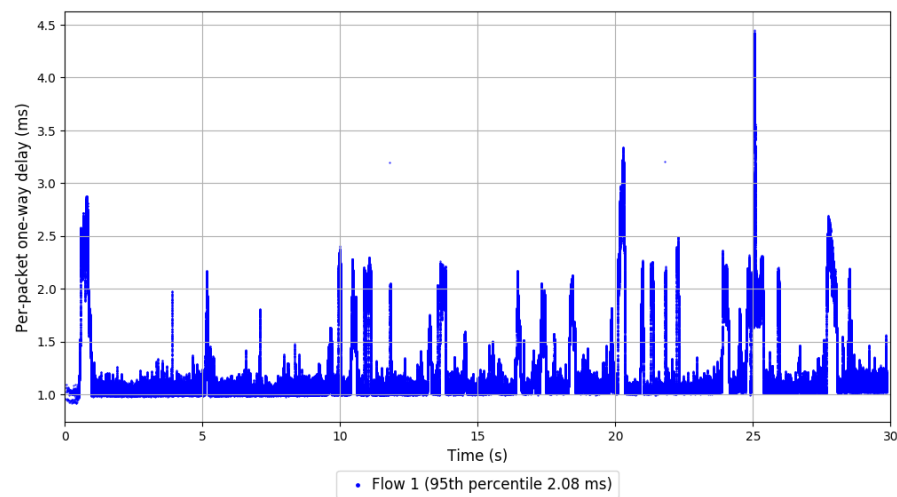
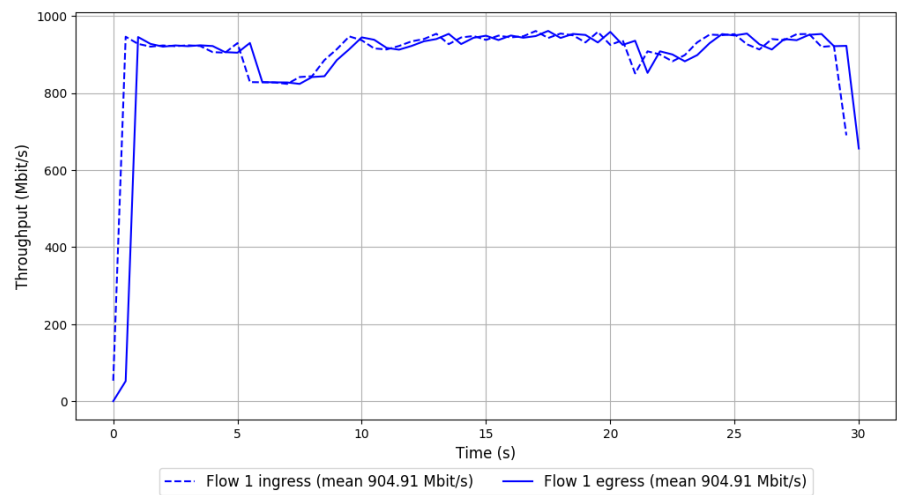


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 18:23:10
End at: 2018-08-01 18:23:40
Local clock offset: -5.98 ms
Remote clock offset: -3.162 ms

Below is generated by plot.py at 2018-08-01 22:09:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 904.91 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 904.91 Mbit/s
95th percentile per-packet one-way delay: 2.076 ms
Loss rate: 0.07%

Run 5: Report of PCC-Allegro — Data Link

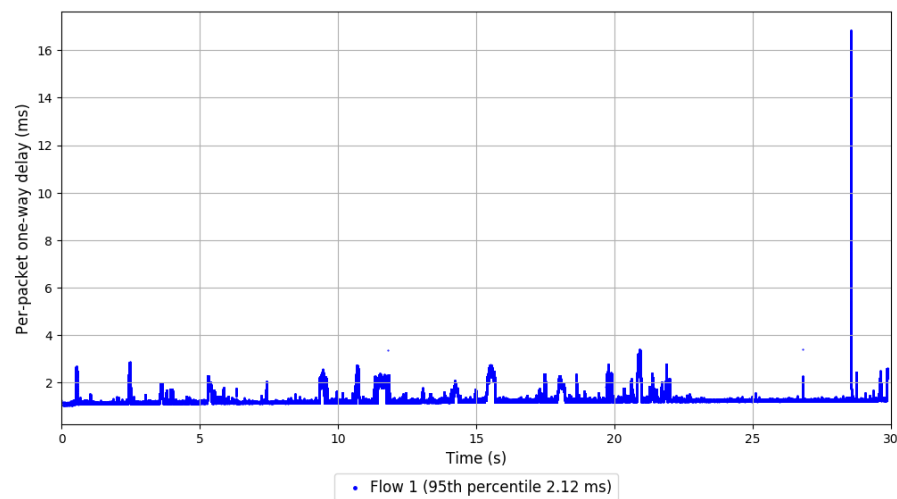
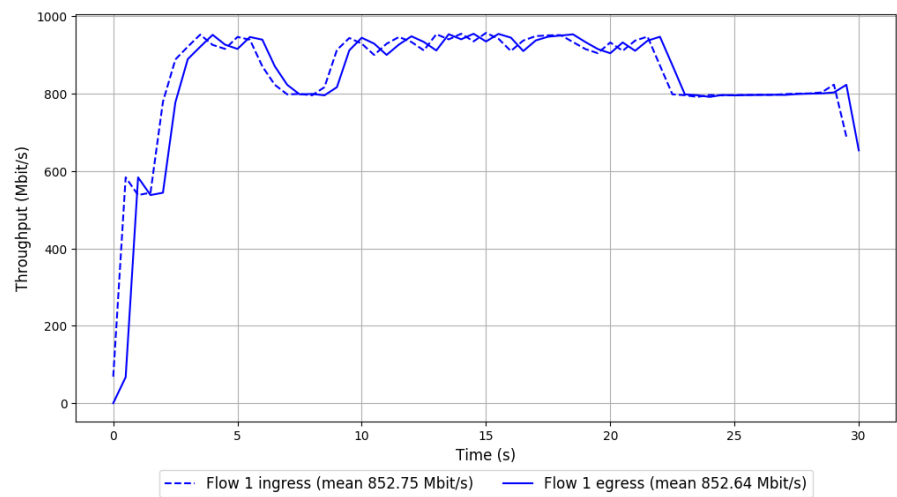


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 18:49:03
End at: 2018-08-01 18:49:33
Local clock offset: -7.614 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2018-08-01 22:09:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 852.64 Mbit/s
95th percentile per-packet one-way delay: 2.122 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 852.64 Mbit/s
95th percentile per-packet one-way delay: 2.122 ms
Loss rate: 0.07%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 19:15:01

End at: 2018-08-01 19:15:31

Local clock offset: 1.498 ms

Remote clock offset: 0.889 ms

Below is generated by plot.py at 2018-08-01 22:10:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 923.38 Mbit/s

95th percentile per-packet one-way delay: 1.959 ms

Loss rate: 0.07%

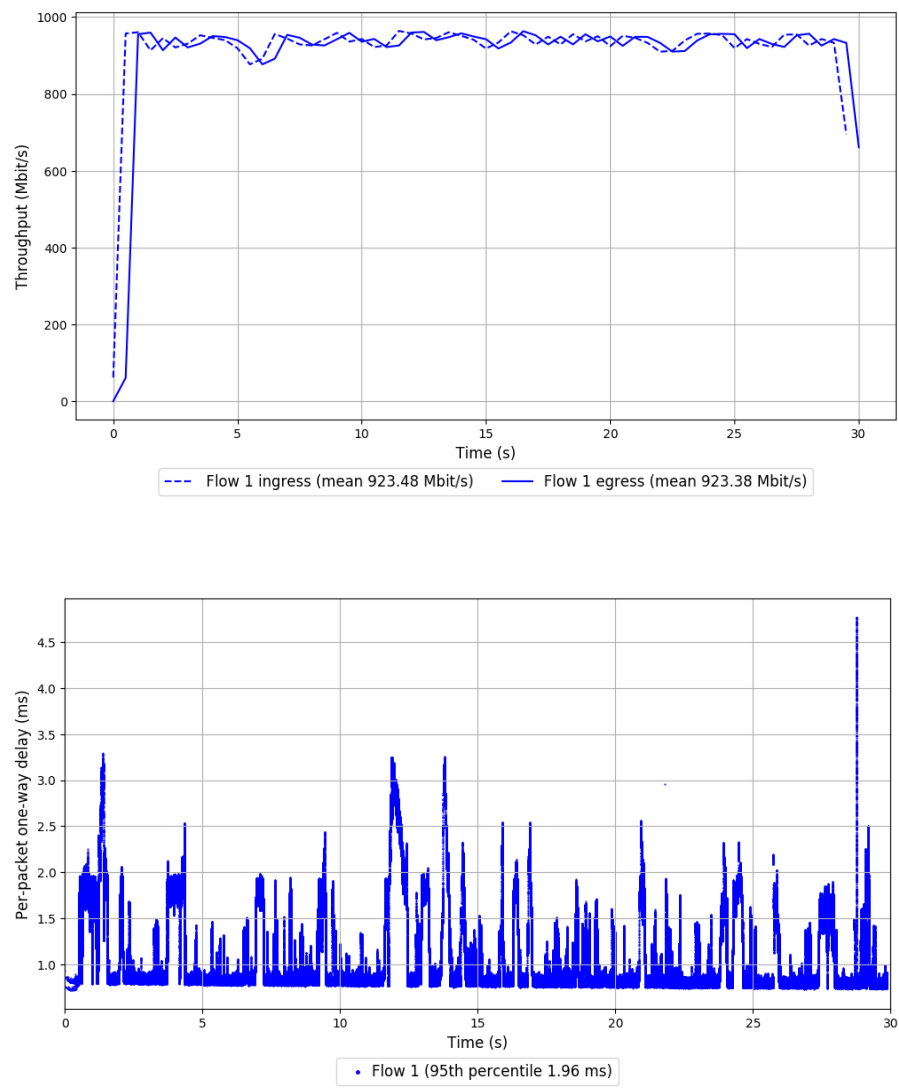
-- Flow 1:

Average throughput: 923.38 Mbit/s

95th percentile per-packet one-way delay: 1.959 ms

Loss rate: 0.07%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 19:40:57

End at: 2018-08-01 19:41:27

Local clock offset: 1.611 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-08-01 22:10:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 896.57 Mbit/s

95th percentile per-packet one-way delay: 2.027 ms

Loss rate: 0.08%

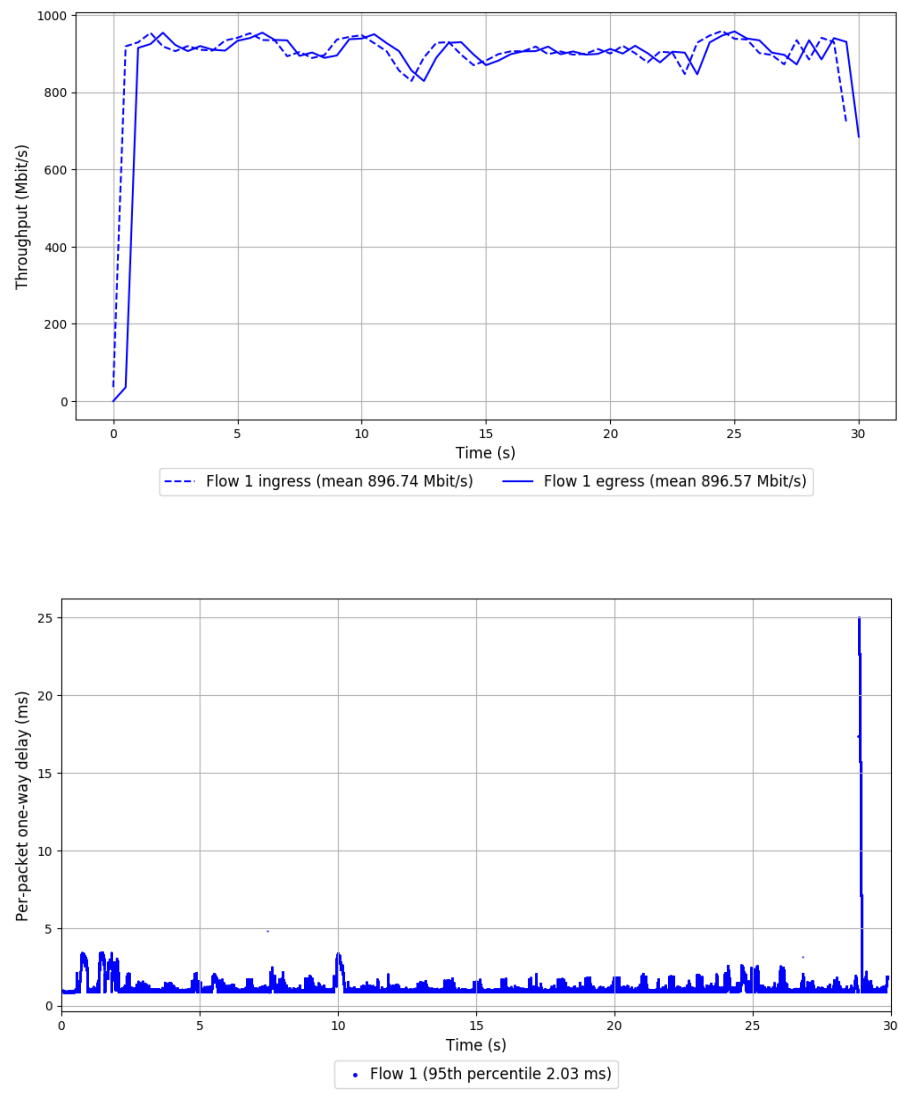
-- Flow 1:

Average throughput: 896.57 Mbit/s

95th percentile per-packet one-way delay: 2.027 ms

Loss rate: 0.08%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 20:06:53

End at: 2018-08-01 20:07:23

Local clock offset: 1.02 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-08-01 22:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 916.12 Mbit/s

95th percentile per-packet one-way delay: 1.927 ms

Loss rate: 0.07%

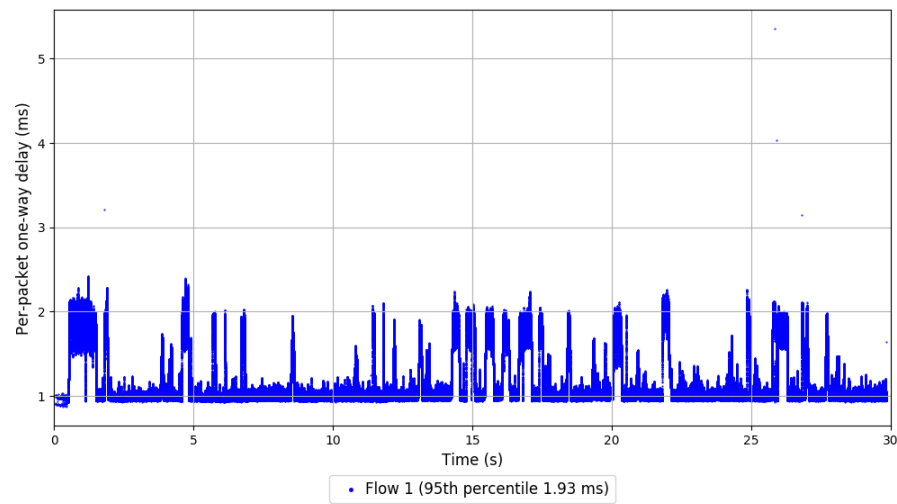
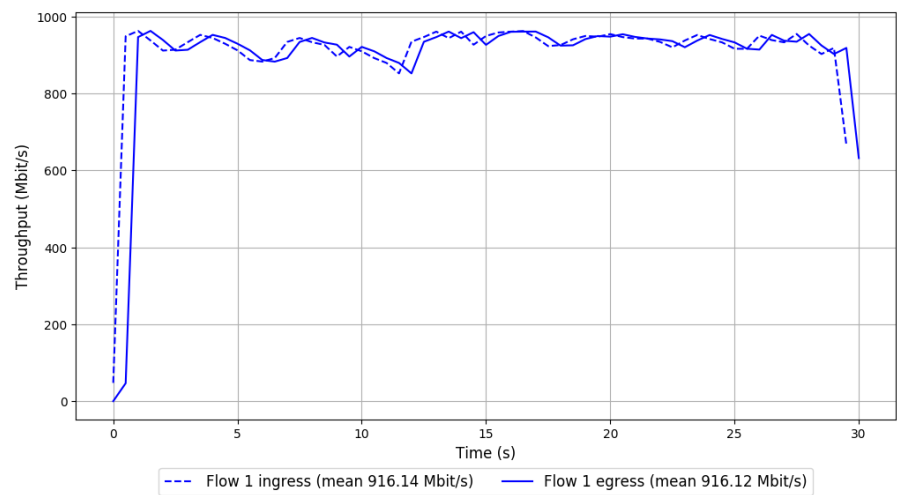
-- Flow 1:

Average throughput: 916.12 Mbit/s

95th percentile per-packet one-way delay: 1.927 ms

Loss rate: 0.07%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 20:32:47

End at: 2018-08-01 20:33:17

Local clock offset: 0.626 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-01 22:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 895.88 Mbit/s

95th percentile per-packet one-way delay: 2.017 ms

Loss rate: 0.07%

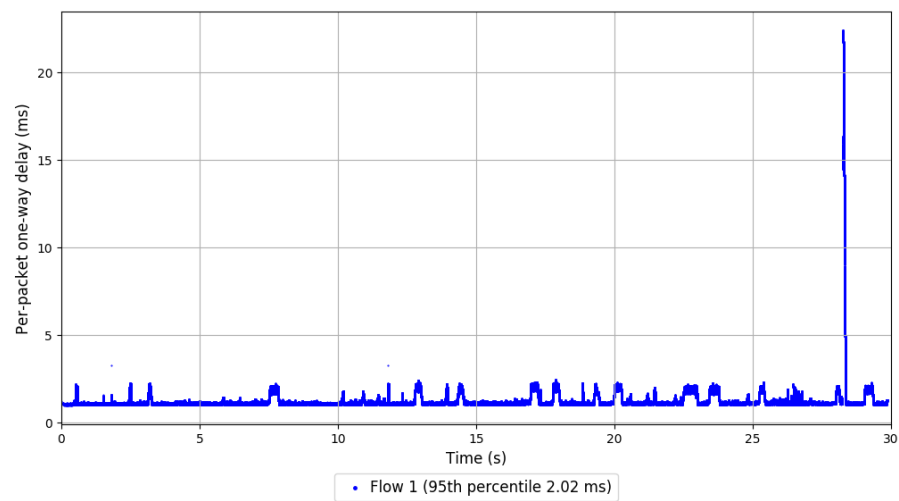
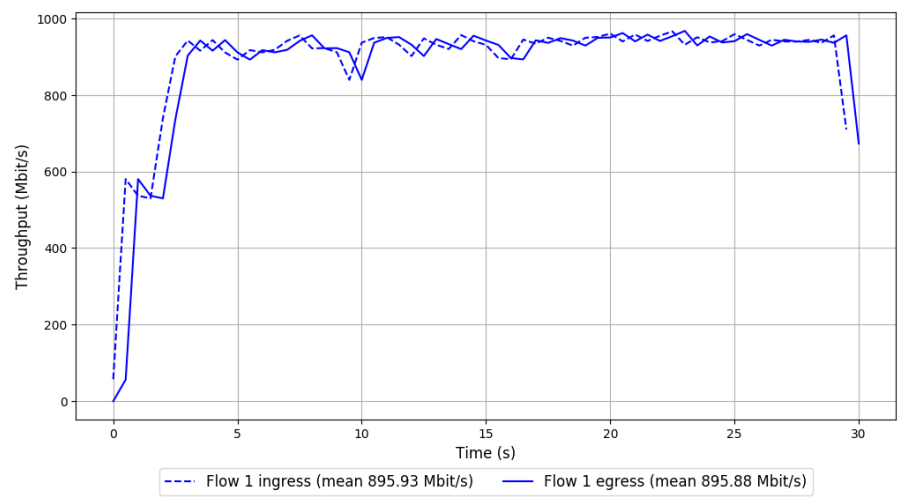
-- Flow 1:

Average throughput: 895.88 Mbit/s

95th percentile per-packet one-way delay: 2.017 ms

Loss rate: 0.07%

Run 10: Report of PCC-Allegro — Data Link

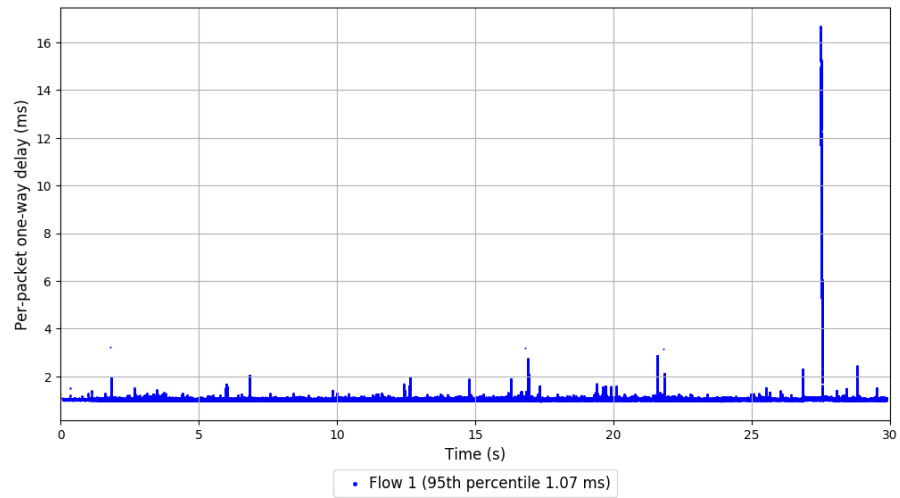
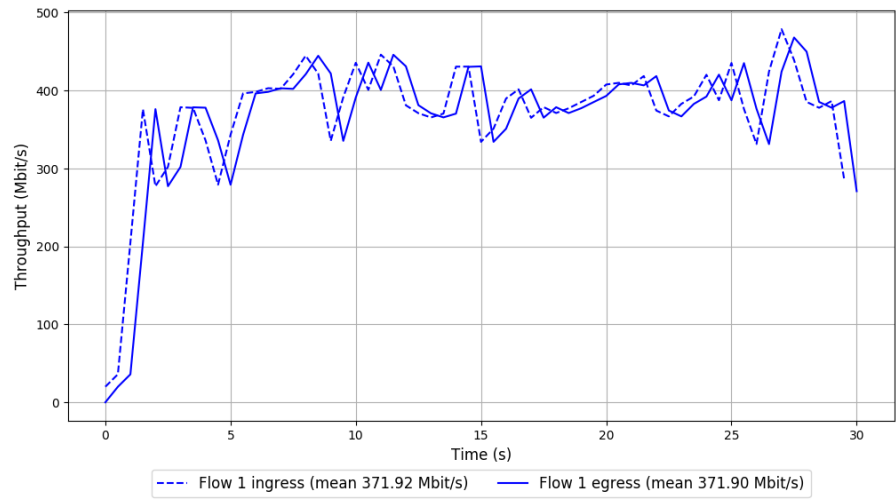


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 16:18:01
End at: 2018-08-01 16:18:31
Local clock offset: 0.194 ms
Remote clock offset: 0.325 ms

# Below is generated by plot.py at 2018-08-01 22:17:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.90 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 371.90 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.07%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 16:43:55

End at: 2018-08-01 16:44:25

Local clock offset: 0.251 ms

Remote clock offset: 0.839 ms

Below is generated by plot.py at 2018-08-01 22:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.78 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.06%

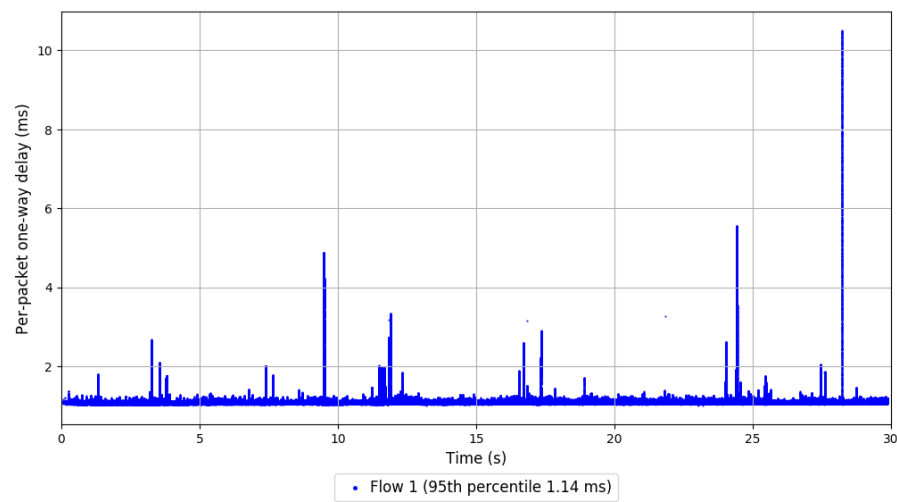
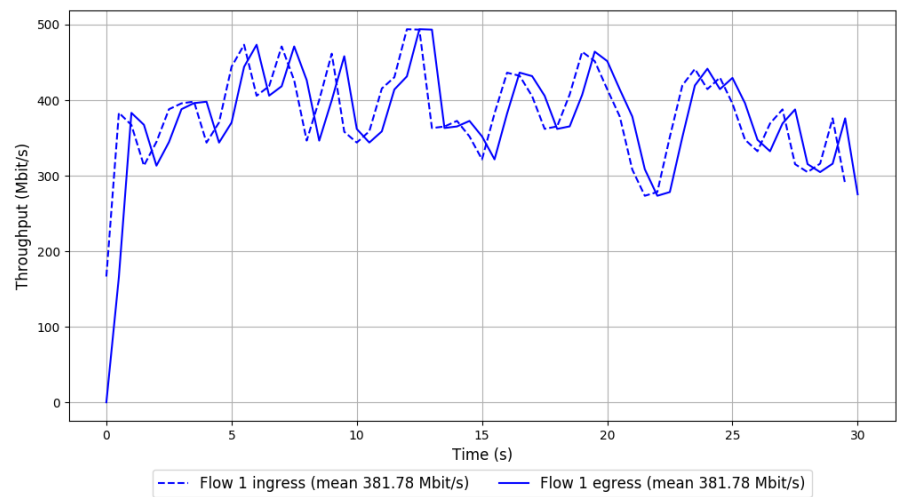
-- Flow 1:

Average throughput: 381.78 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.06%

Run 2: Report of PCC-Expr — Data Link

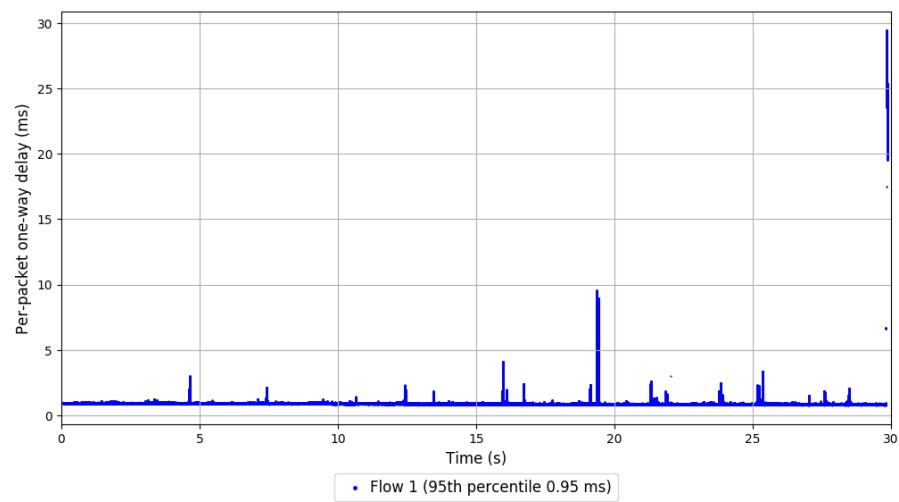
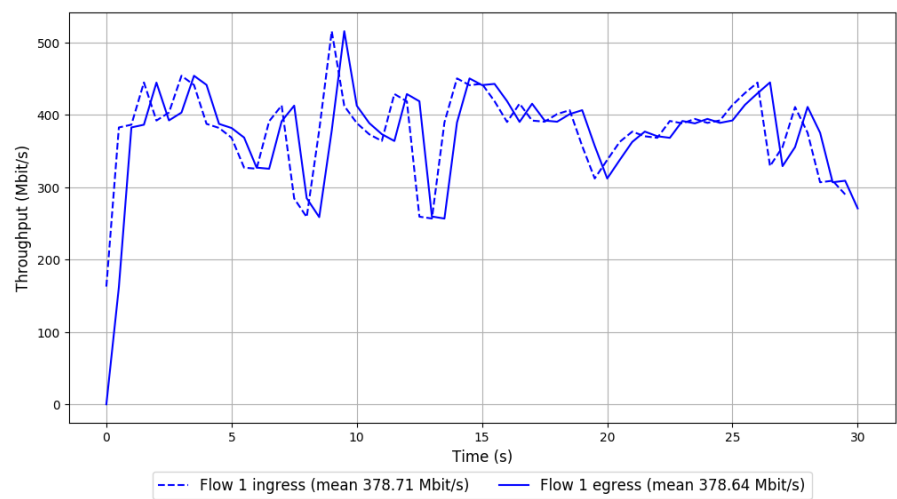


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 17:10:00
End at: 2018-08-01 17:10:30
Local clock offset: 0.247 ms
Remote clock offset: -1.762 ms

Below is generated by plot.py at 2018-08-01 22:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.64 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 378.64 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.09%

Run 3: Report of PCC-Expr — Data Link

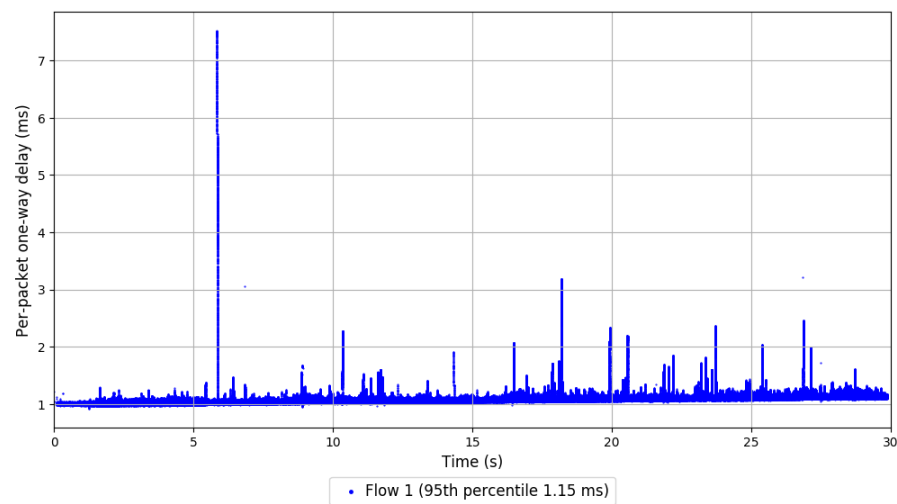
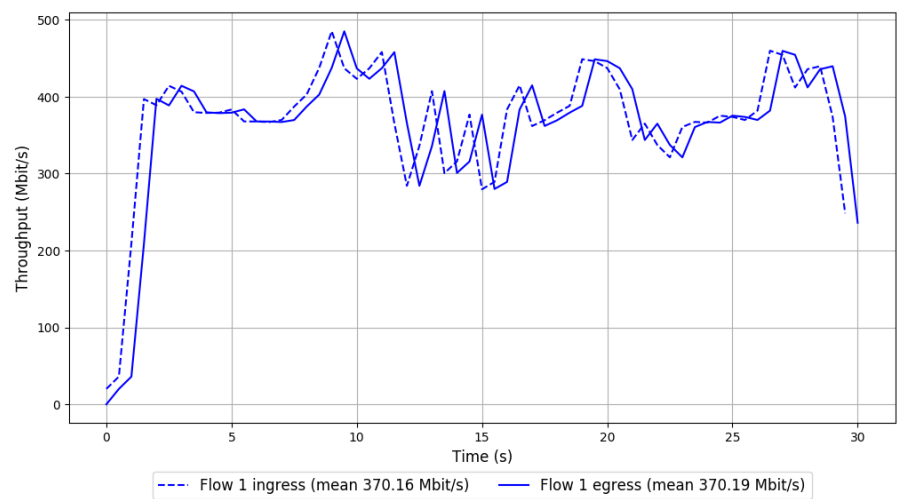


Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 17:35:59
End at: 2018-08-01 17:36:29
Local clock offset: -2.751 ms
Remote clock offset: -4.288 ms

Below is generated by plot.py at 2018-08-01 22:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.19 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 370.19 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 18:02:04

End at: 2018-08-01 18:02:34

Local clock offset: -4.542 ms

Remote clock offset: -3.491 ms

Below is generated by plot.py at 2018-08-01 22:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.39 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.05%

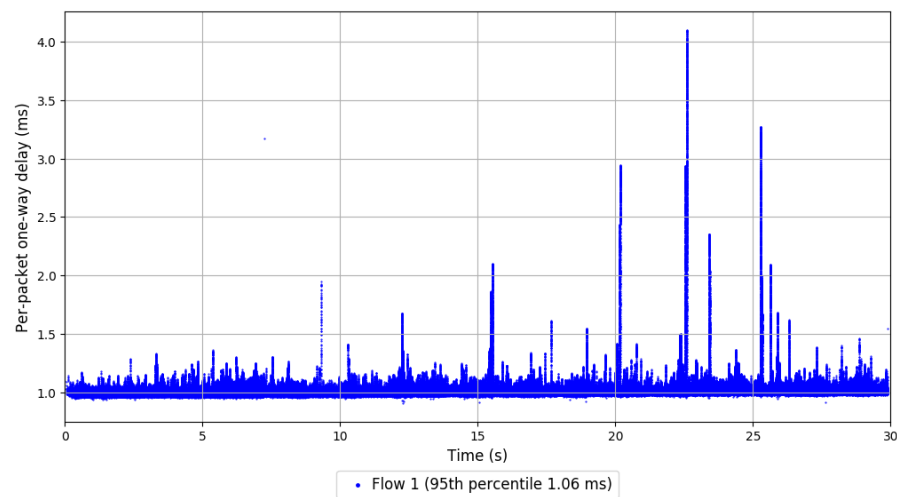
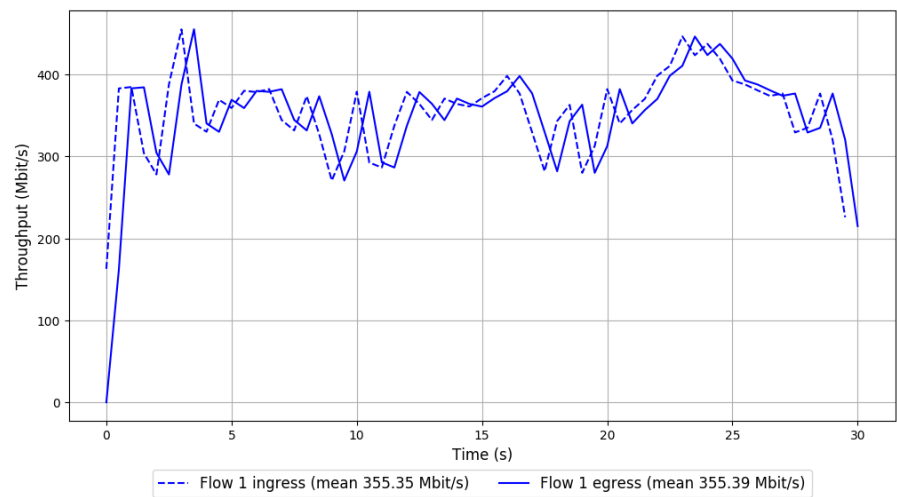
-- Flow 1:

Average throughput: 355.39 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.05%

Run 5: Report of PCC-Expr — Data Link

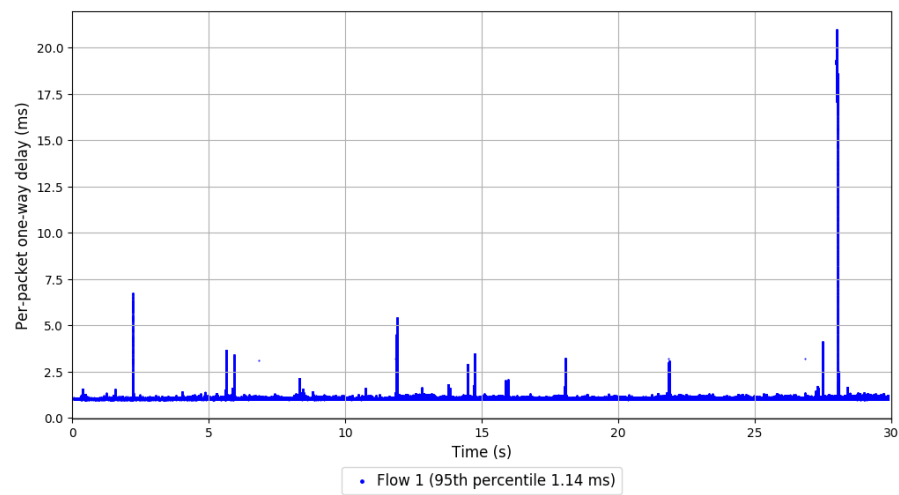
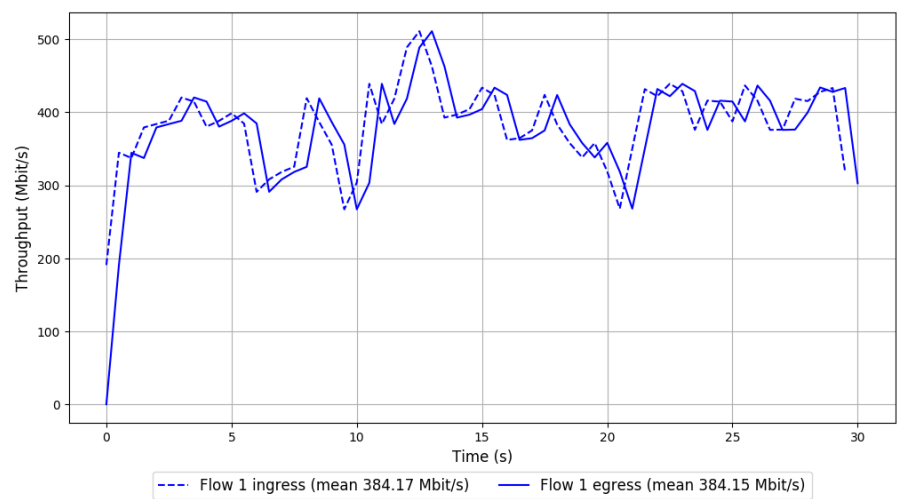


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 18:27:59
End at: 2018-08-01 18:28:29
Local clock offset: -6.282 ms
Remote clock offset: -3.142 ms

Below is generated by plot.py at 2018-08-01 22:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.15 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 384.15 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.07%

Run 6: Report of PCC-Expr — Data Link

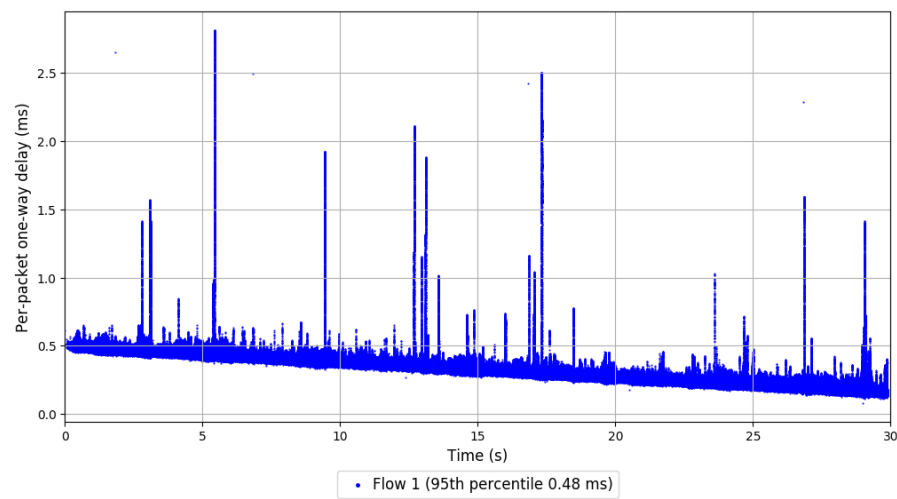
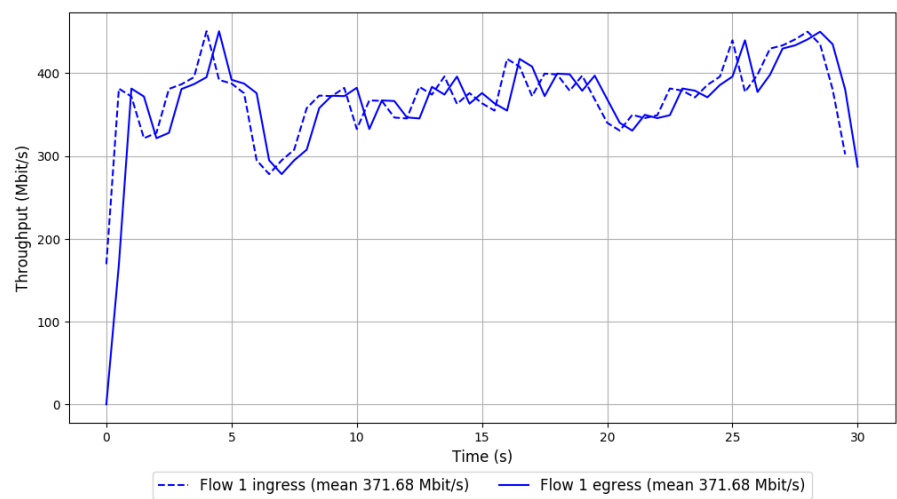


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 18:53:50
End at: 2018-08-01 18:54:20
Local clock offset: -6.68 ms
Remote clock offset: -0.713 ms

Below is generated by plot.py at 2018-08-01 22:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 0.482 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 0.482 ms
Loss rate: 0.07%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 19:19:50

End at: 2018-08-01 19:20:20

Local clock offset: 2.299 ms

Remote clock offset: 0.685 ms

Below is generated by plot.py at 2018-08-01 22:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.57 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.07%

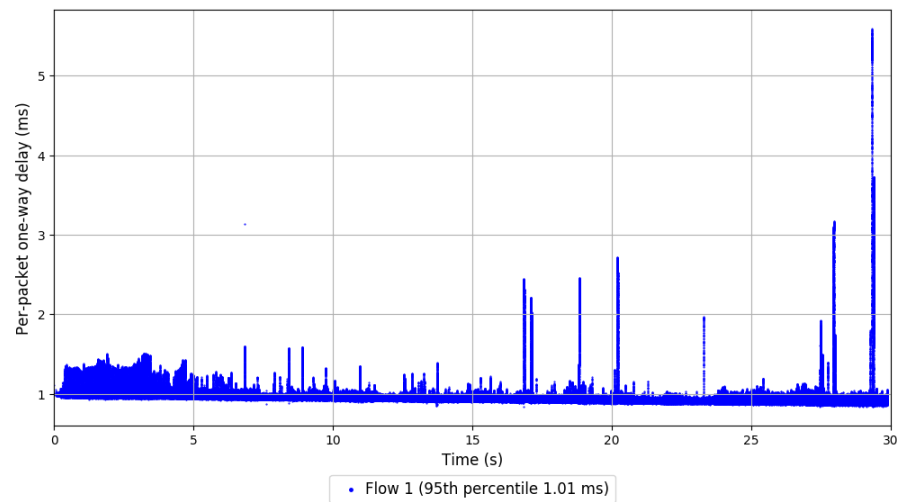
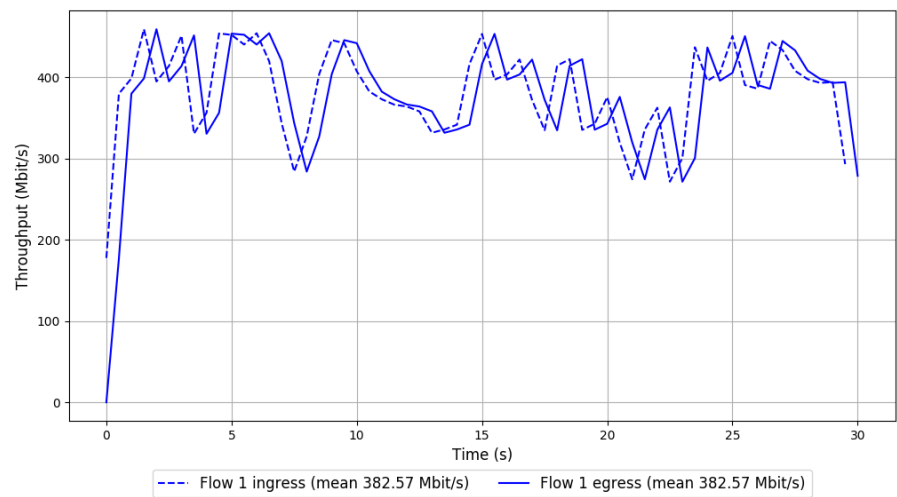
-- Flow 1:

Average throughput: 382.57 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.07%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 19:45:43

End at: 2018-08-01 19:46:13

Local clock offset: 1.719 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-08-01 22:24:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.36 Mbit/s

95th percentile per-packet one-way delay: 0.973 ms

Loss rate: 0.05%

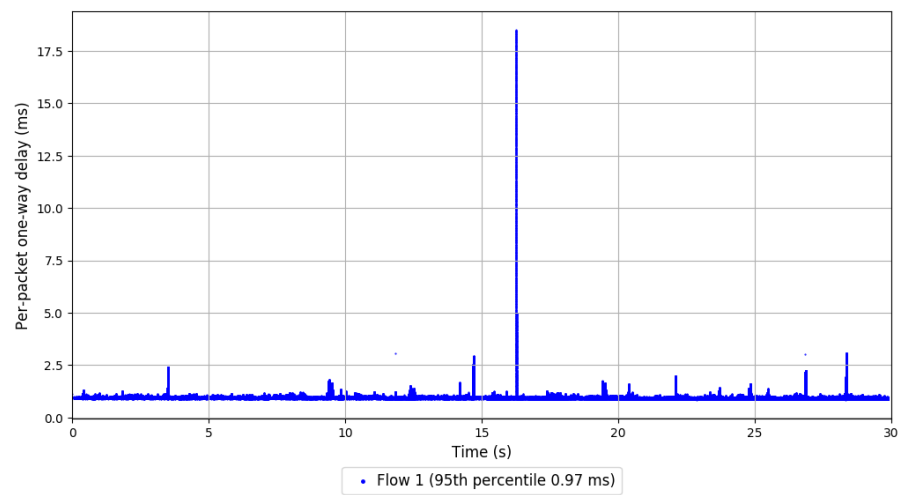
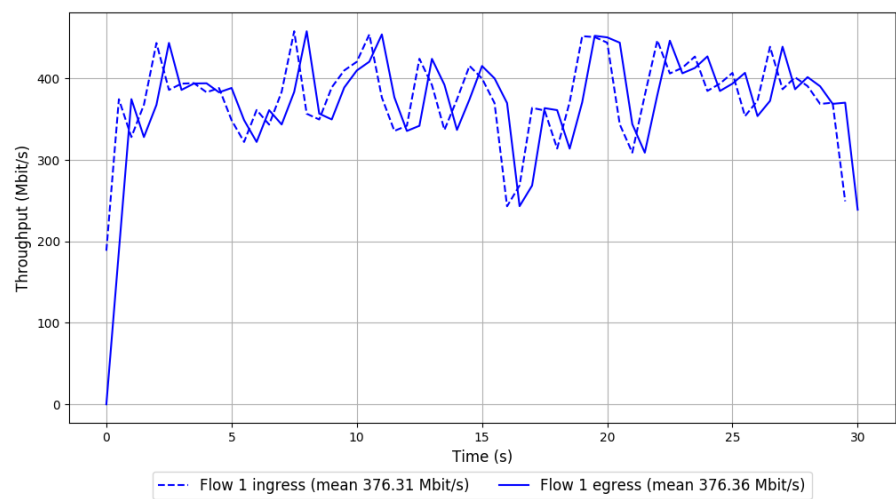
-- Flow 1:

Average throughput: 376.36 Mbit/s

95th percentile per-packet one-way delay: 0.973 ms

Loss rate: 0.05%

Run 9: Report of PCC-Expr — Data Link

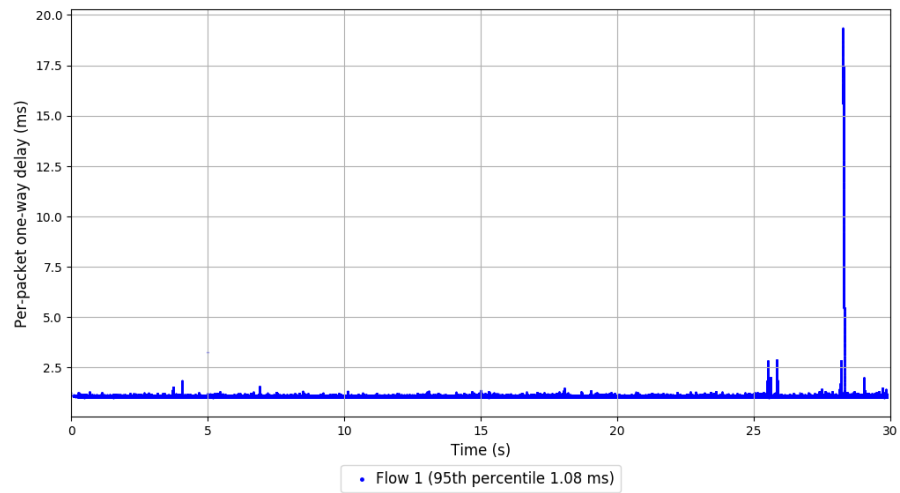
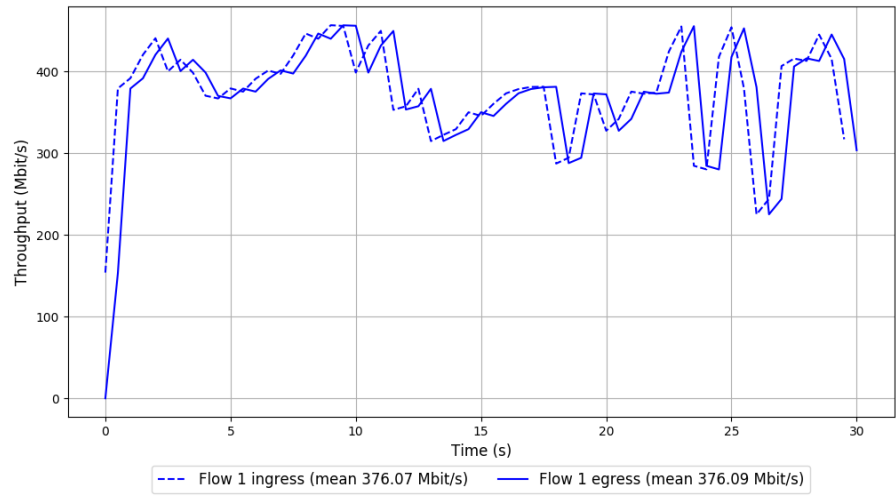


Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 20:11:41
End at: 2018-08-01 20:12:11
Local clock offset: 1.022 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.09 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 376.09 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.06%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 16:31:40

End at: 2018-08-01 16:32:10

Local clock offset: 0.2 ms

Remote clock offset: 0.518 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.06%

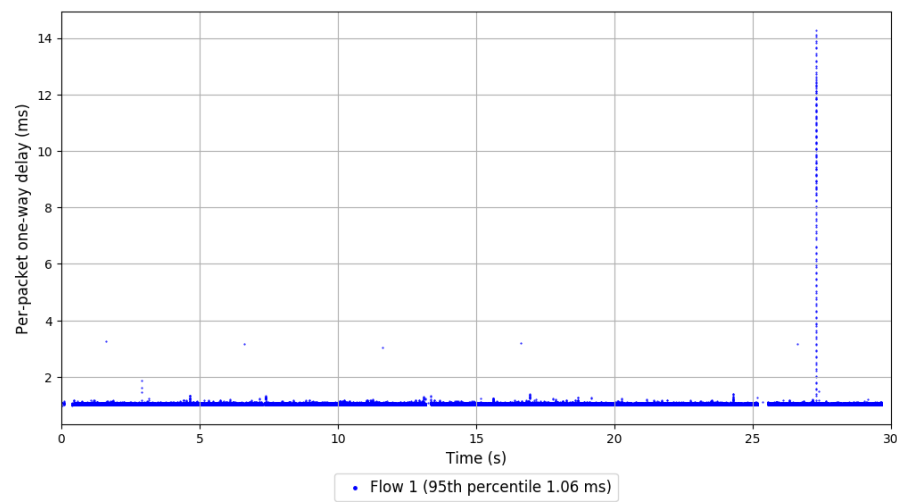
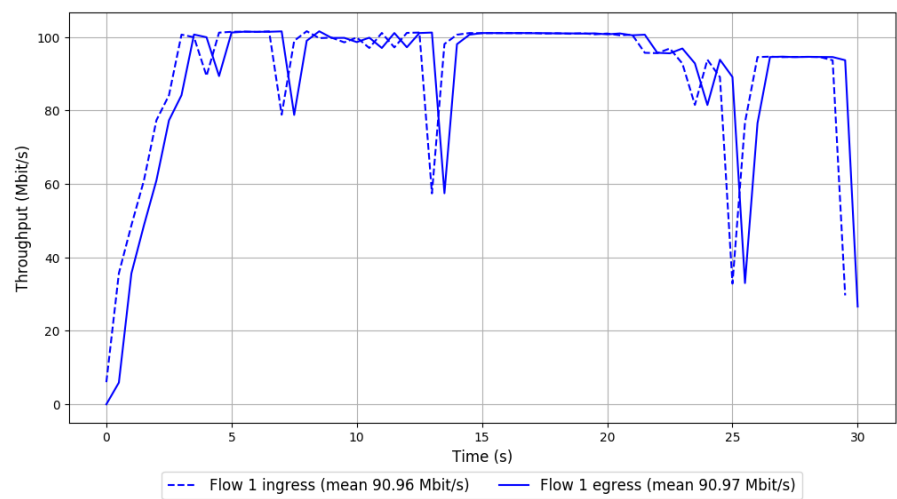
-- Flow 1:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.06%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 16:57:36

End at: 2018-08-01 16:58:06

Local clock offset: 0.182 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.36 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 0.07%

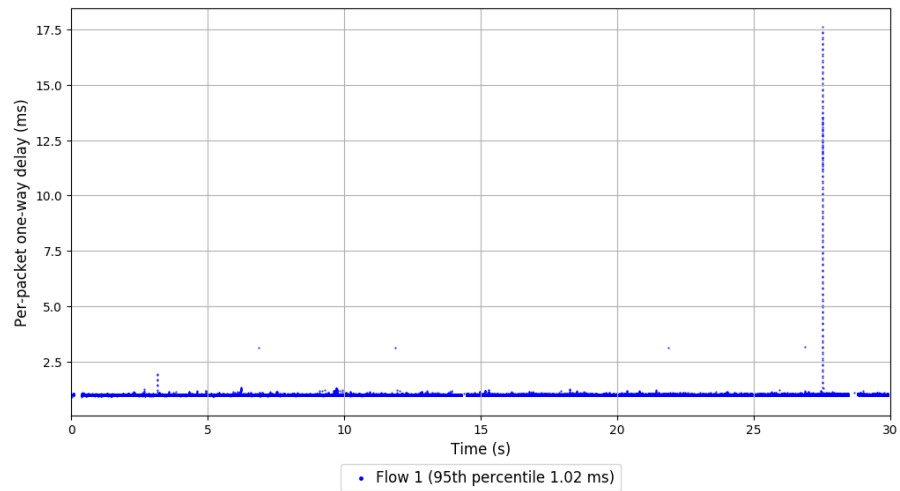
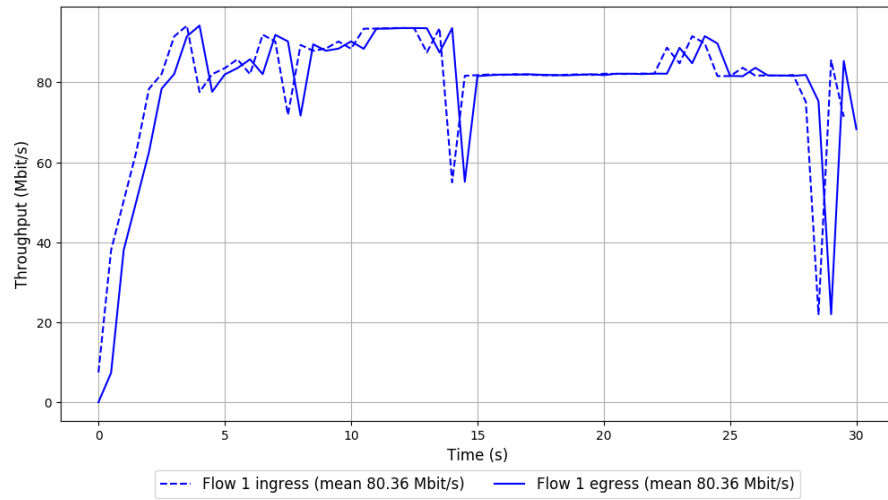
-- Flow 1:

Average throughput: 80.36 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 0.07%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 17:23:34

End at: 2018-08-01 17:24:04

Local clock offset: -0.073 ms

Remote clock offset: -3.694 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 1.321 ms

Loss rate: 0.07%

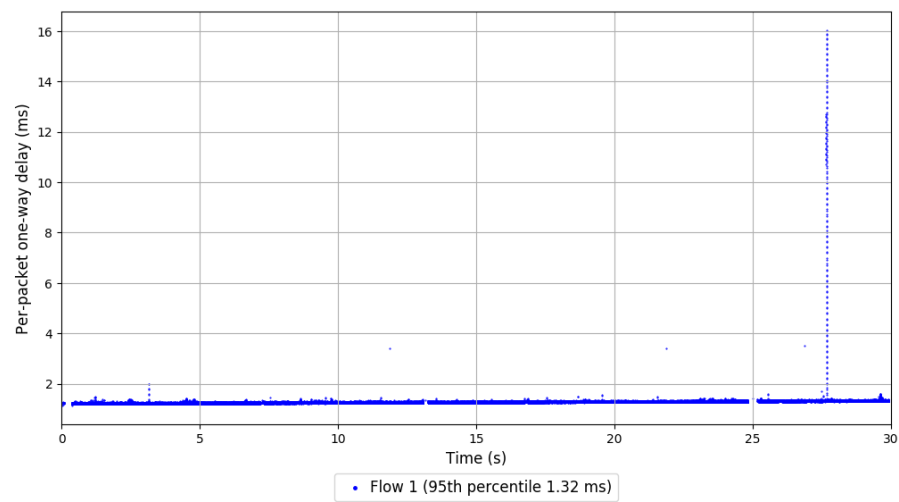
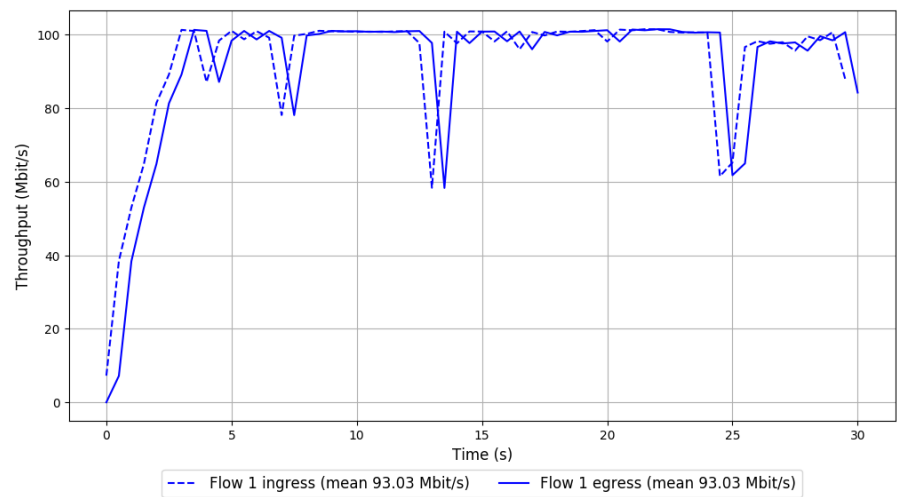
-- Flow 1:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 1.321 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 17:49:38

End at: 2018-08-01 17:50:08

Local clock offset: -3.797 ms

Remote clock offset: -3.543 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.98 Mbit/s

95th percentile per-packet one-way delay: 1.153 ms

Loss rate: 0.07%

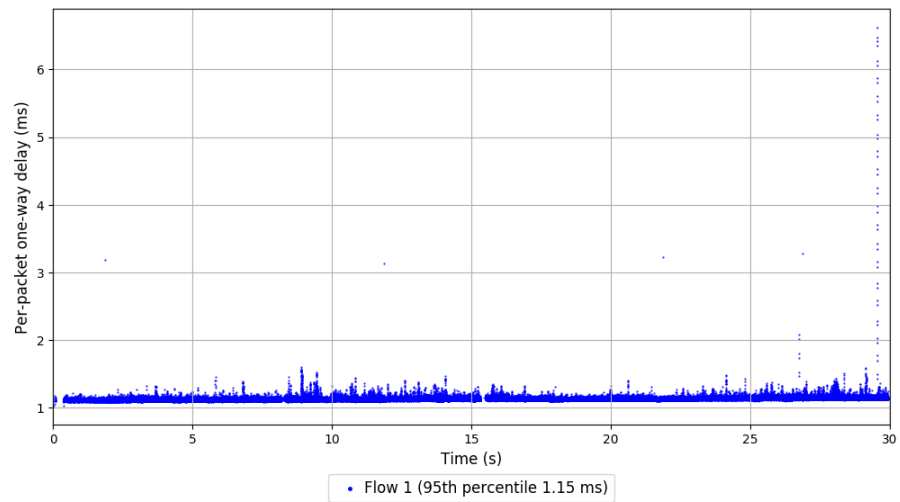
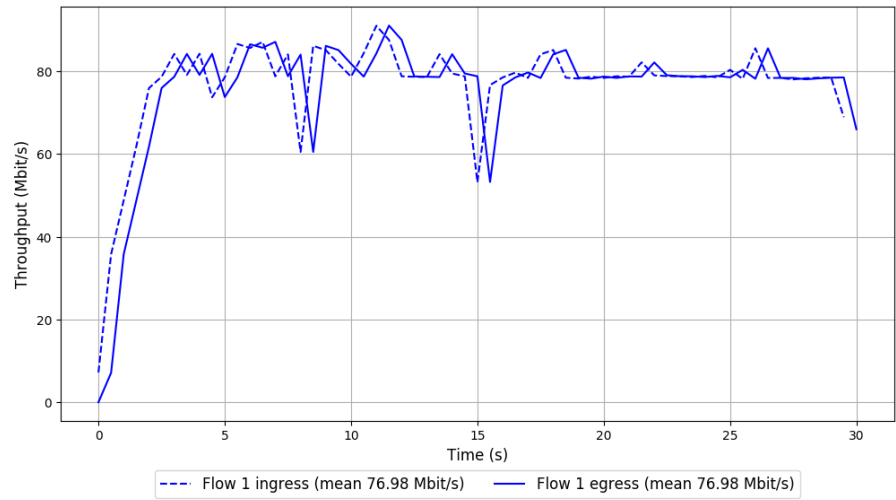
-- Flow 1:

Average throughput: 76.98 Mbit/s

95th percentile per-packet one-way delay: 1.153 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link

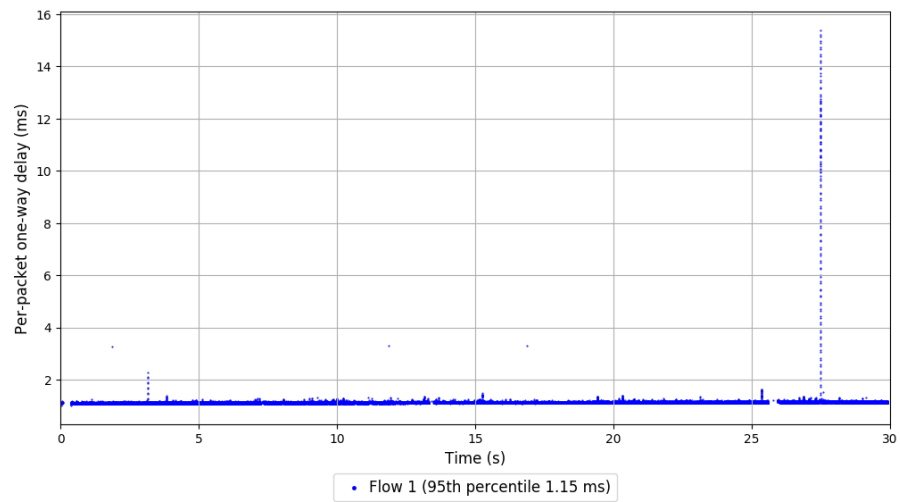
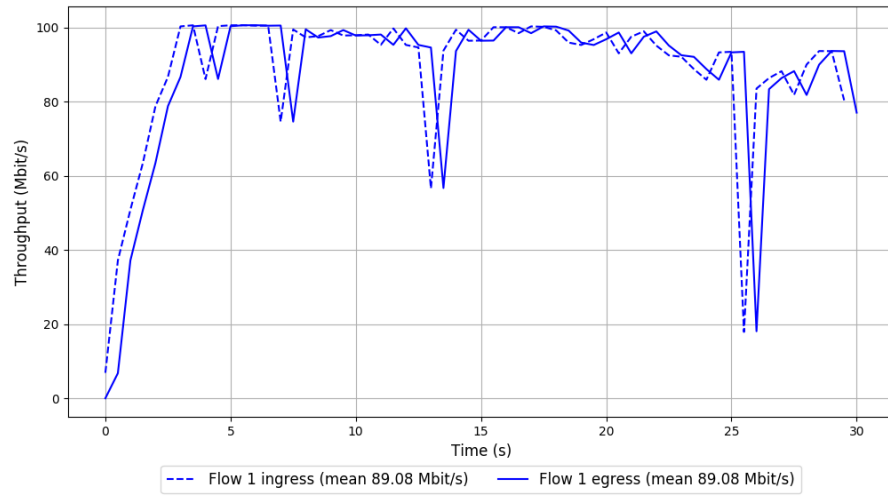


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 18:15:41
End at: 2018-08-01 18:16:11
Local clock offset: -5.481 ms
Remote clock offset: -3.392 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 18:41:34

End at: 2018-08-01 18:42:04

Local clock offset: -7.166 ms

Remote clock offset: -3.372 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.48 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.07%

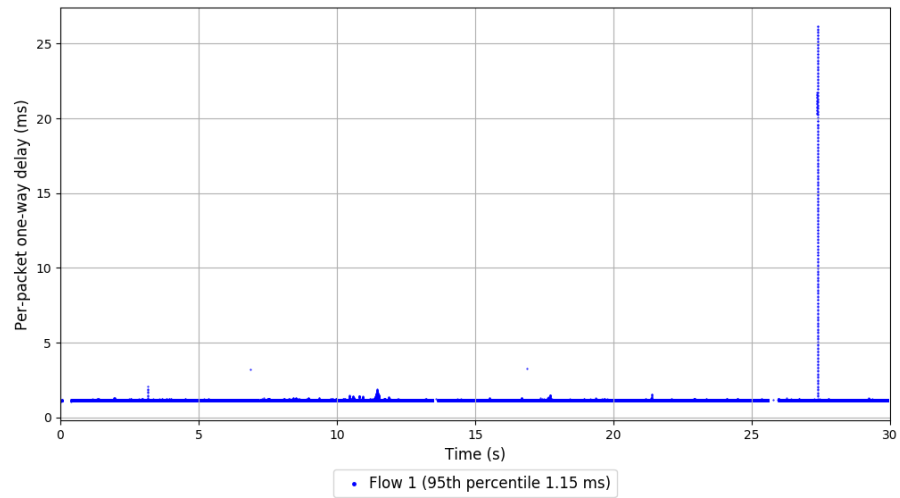
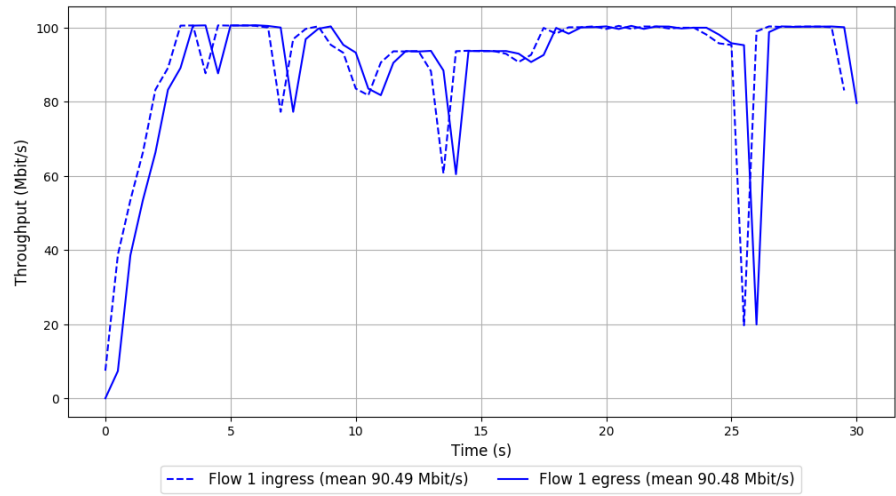
-- Flow 1:

Average throughput: 90.48 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 19:07:29

End at: 2018-08-01 19:07:59

Local clock offset: 0.068 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.34 Mbit/s

95th percentile per-packet one-way delay: 0.842 ms

Loss rate: 0.06%

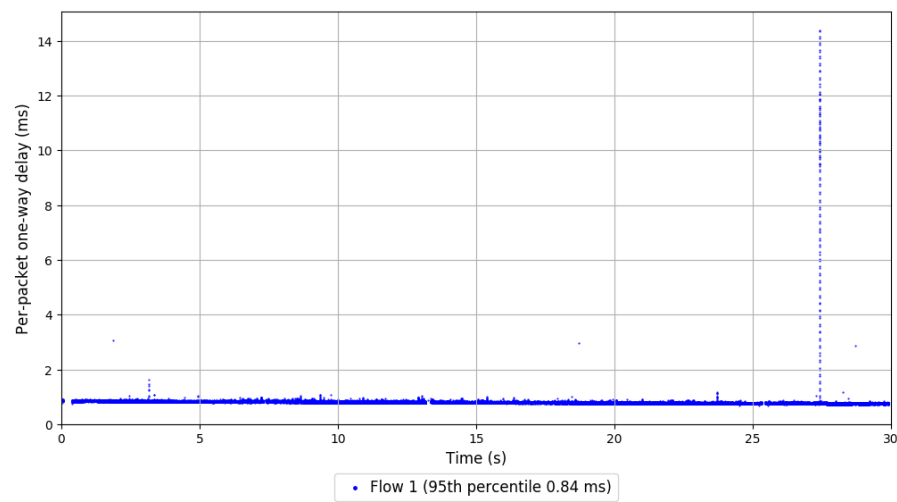
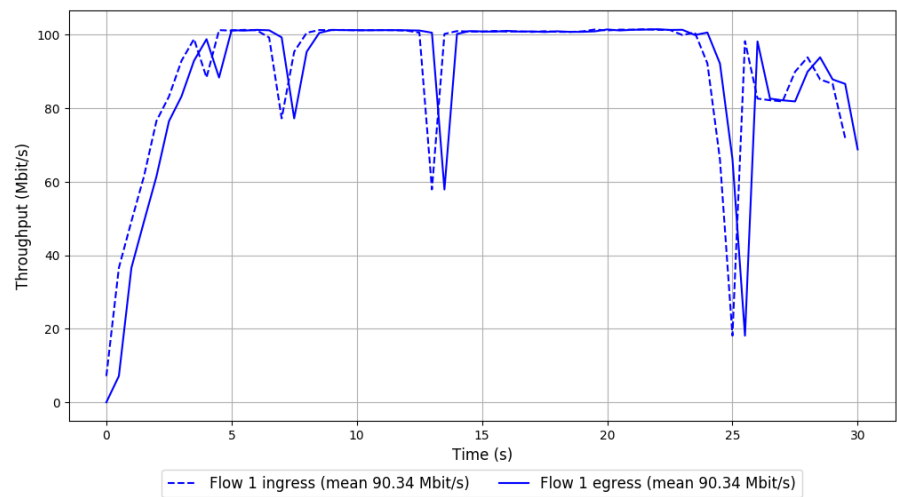
-- Flow 1:

Average throughput: 90.34 Mbit/s

95th percentile per-packet one-way delay: 0.842 ms

Loss rate: 0.06%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 19:33:26

End at: 2018-08-01 19:33:56

Local clock offset: 1.437 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.75 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.07%

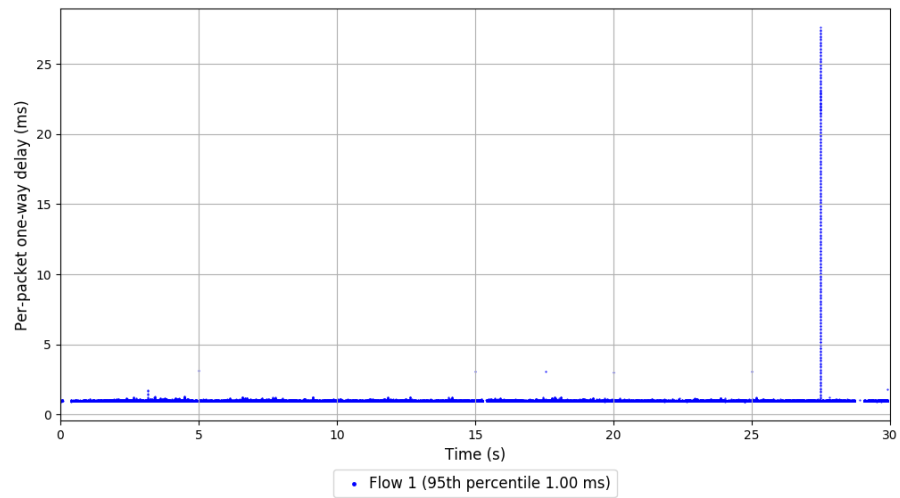
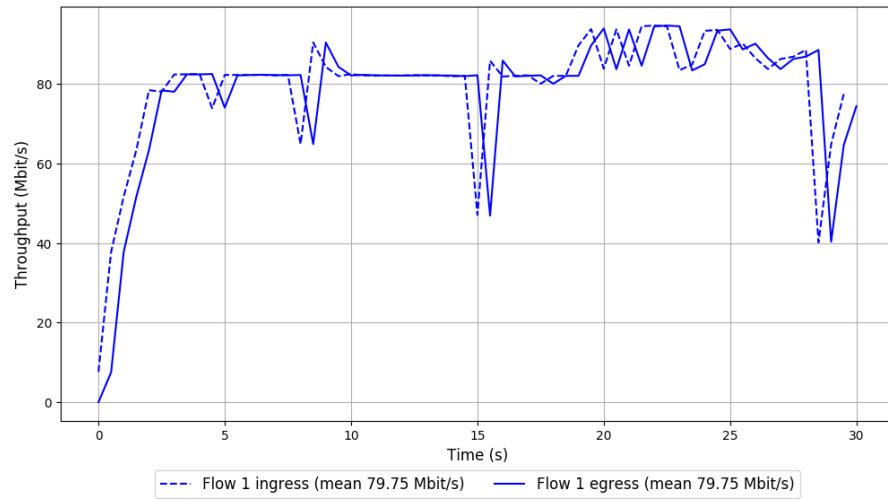
-- Flow 1:

Average throughput: 79.75 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.07%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 19:59:22

End at: 2018-08-01 19:59:52

Local clock offset: 1.302 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 1.142 ms

Loss rate: 0.06%

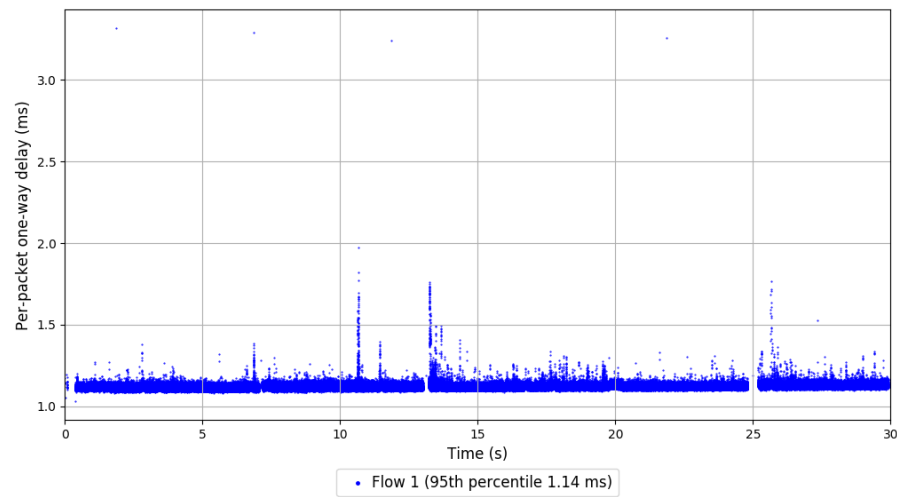
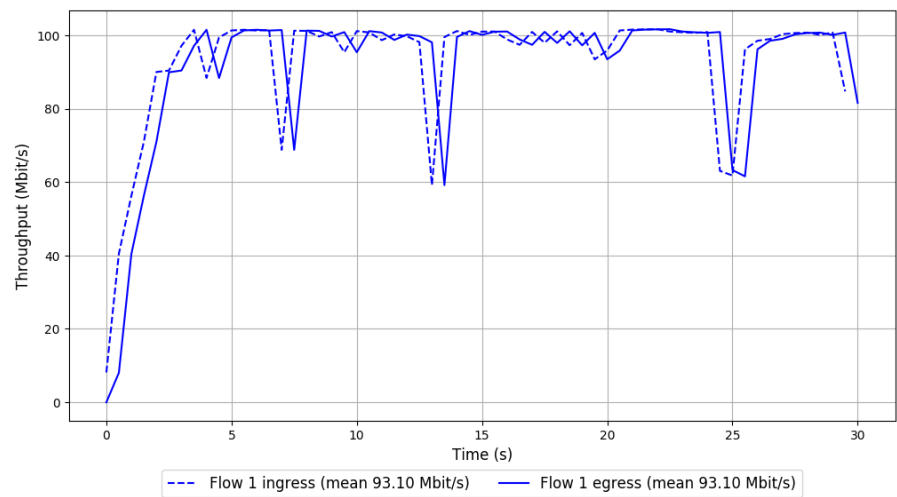
-- Flow 1:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 1.142 ms

Loss rate: 0.06%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 20:25:15

End at: 2018-08-01 20:25:45

Local clock offset: 1.003 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.07%

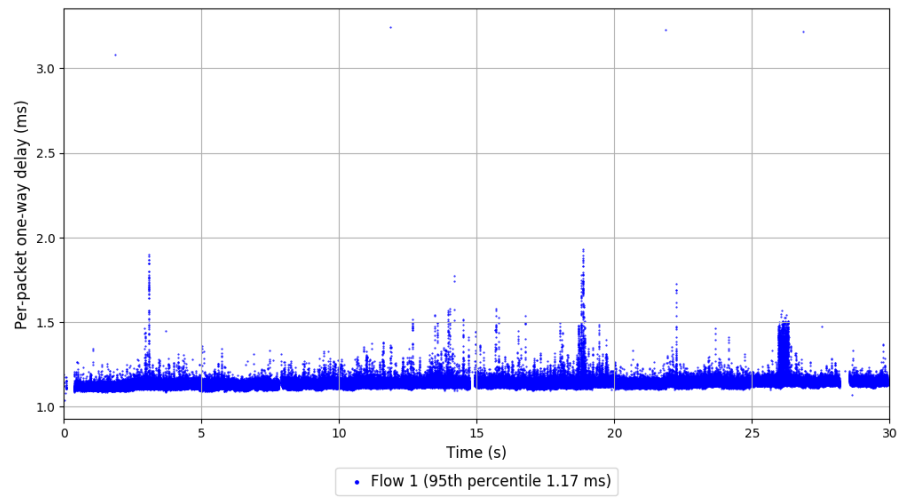
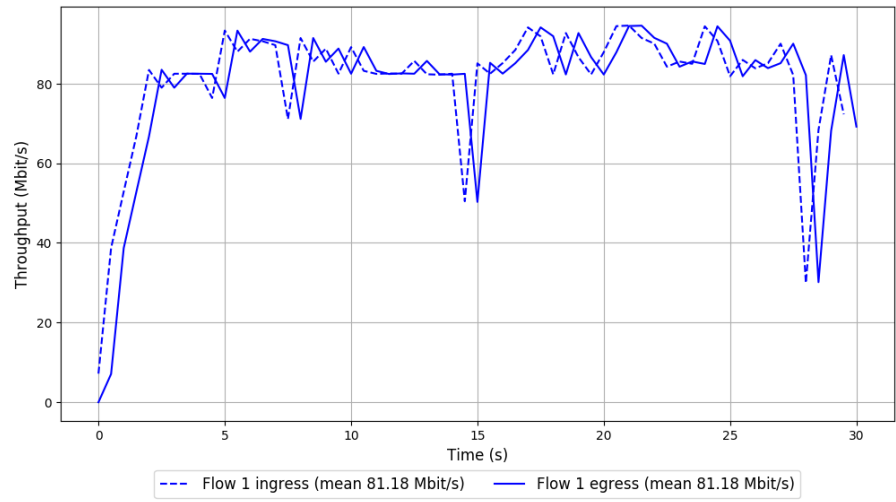
-- Flow 1:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.07%

Run 10: Report of QUIC Cubic — Data Link

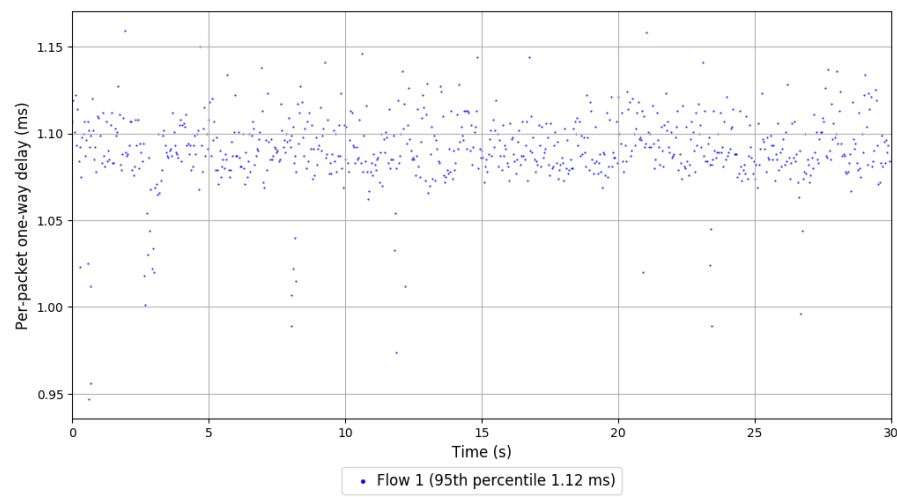
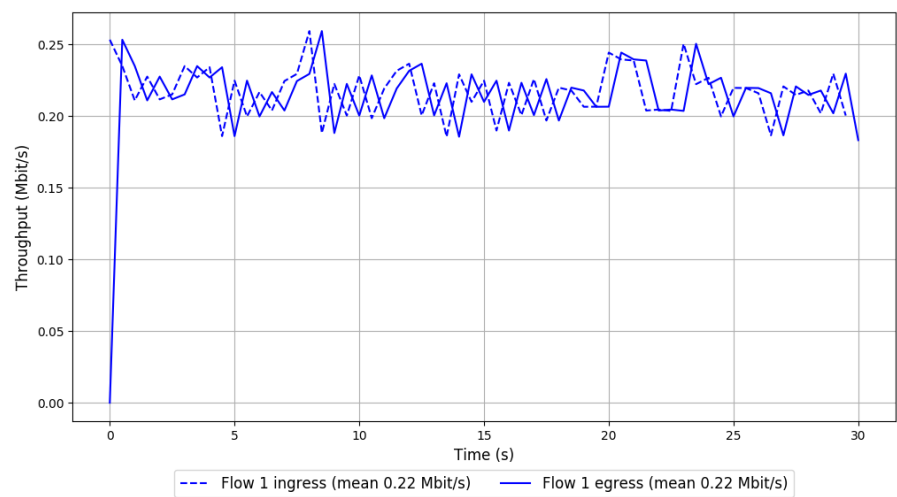


```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 16:30:23
End at: 2018-08-01 16:30:53
Local clock offset: 0.139 ms
Remote clock offset: 0.505 ms

# Below is generated by plot.py at 2018-08-01 22:24:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.13%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-01 16:56:18

End at: 2018-08-01 16:56:48

Local clock offset: 0.184 ms

Remote clock offset: 1.229 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.144 ms

Loss rate: 0.13%

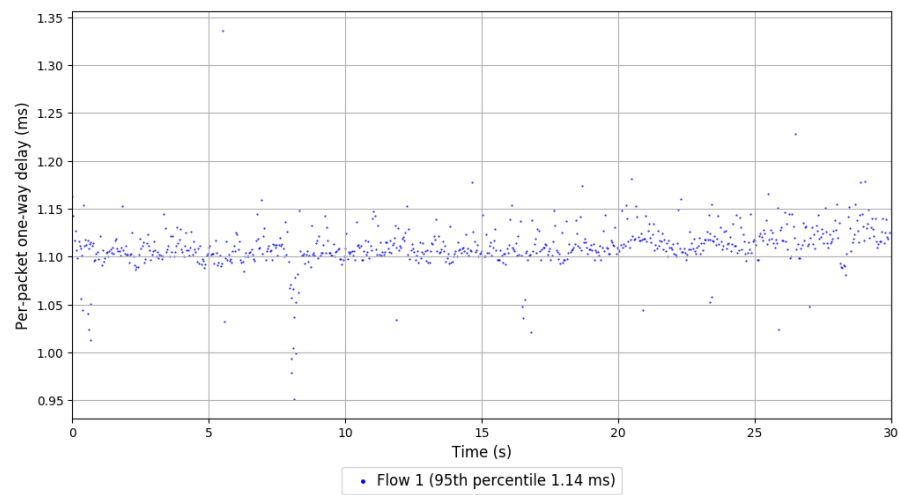
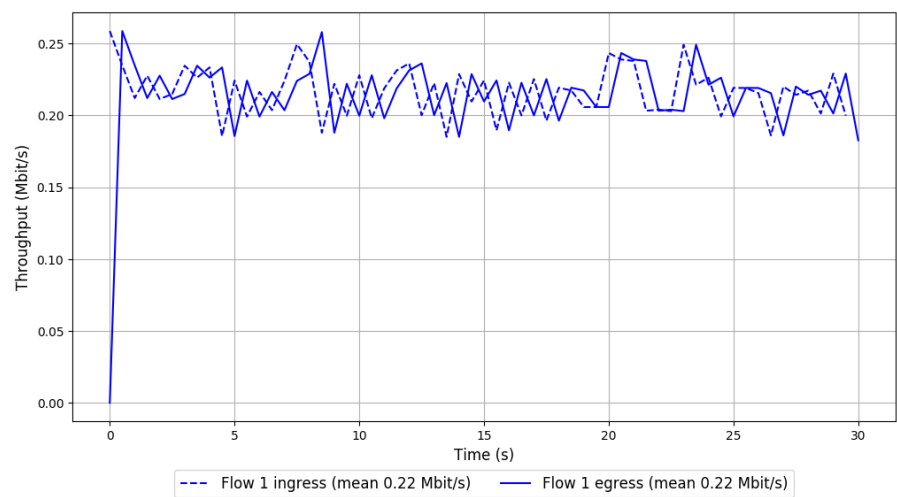
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.144 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-01 17:22:17

End at: 2018-08-01 17:22:47

Local clock offset: 0.277 ms

Remote clock offset: -3.63 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.410 ms

Loss rate: 0.00%

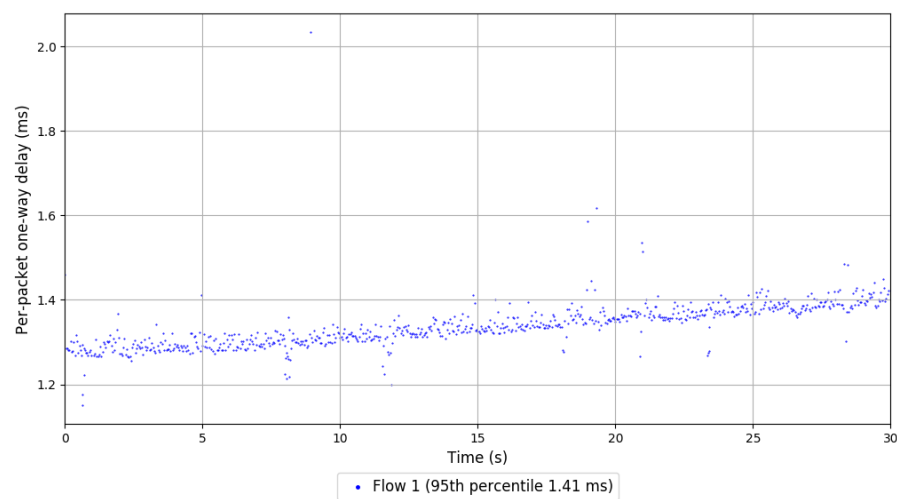
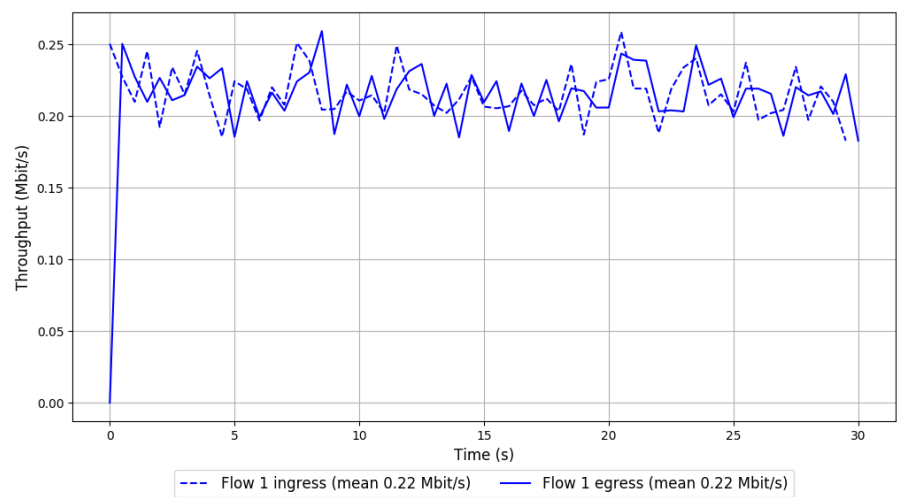
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.410 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

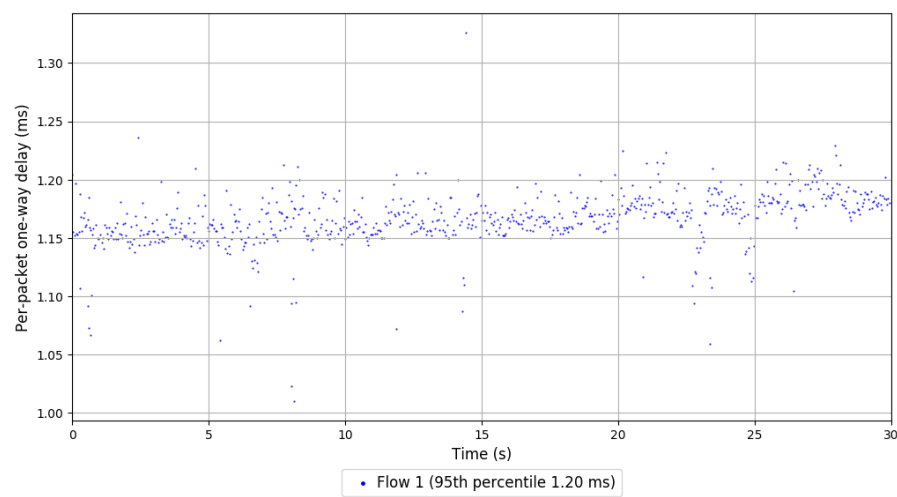
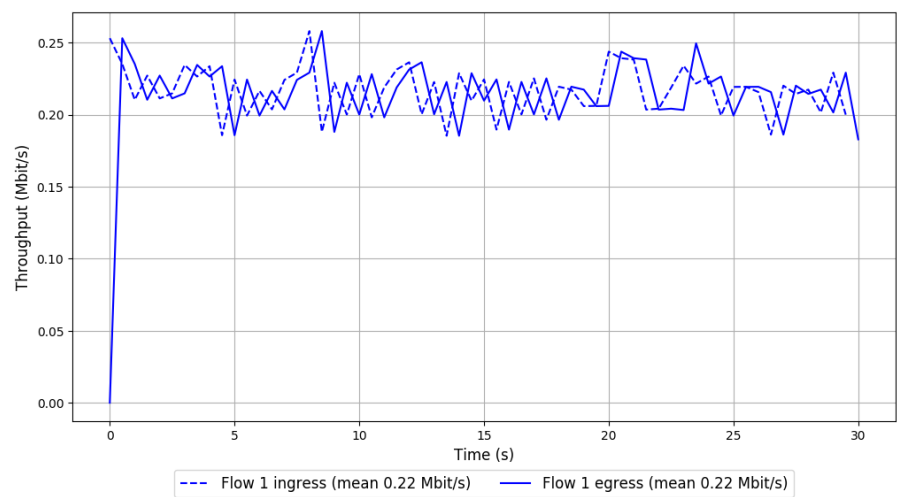


Run 4: Statistics of SCReAM

Start at: 2018-08-01 17:48:21
End at: 2018-08-01 17:48:51
Local clock offset: -3.733 ms
Remote clock offset: -3.508 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

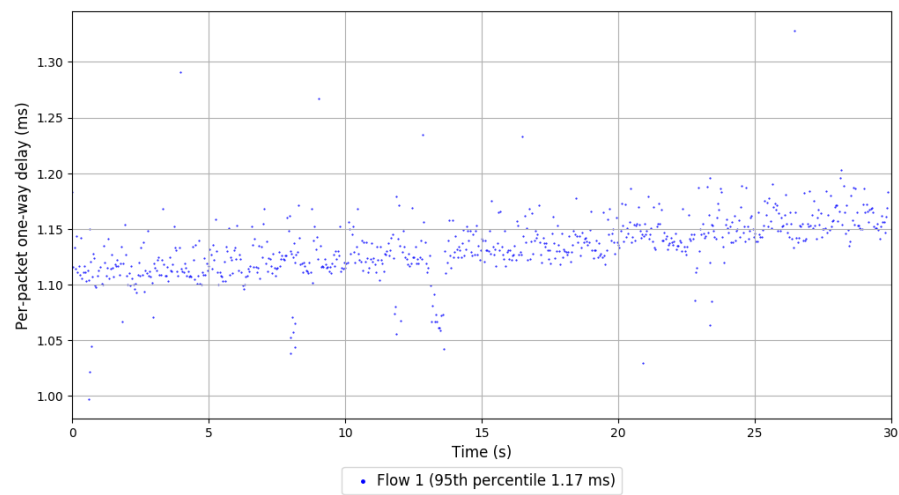
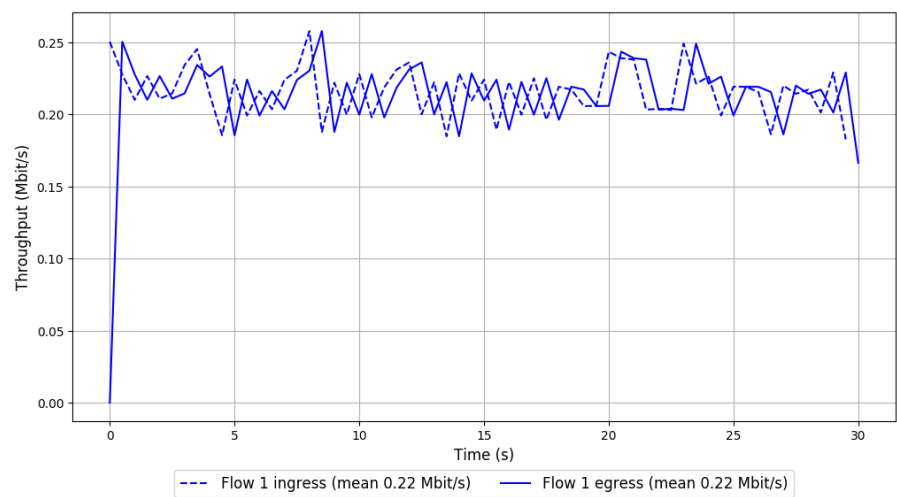


Run 5: Statistics of SCReAM

Start at: 2018-08-01 18:14:23
End at: 2018-08-01 18:14:53
Local clock offset: -5.461 ms
Remote clock offset: -3.427 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-01 18:40:17

End at: 2018-08-01 18:40:47

Local clock offset: -7.081 ms

Remote clock offset: -3.36 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.00%

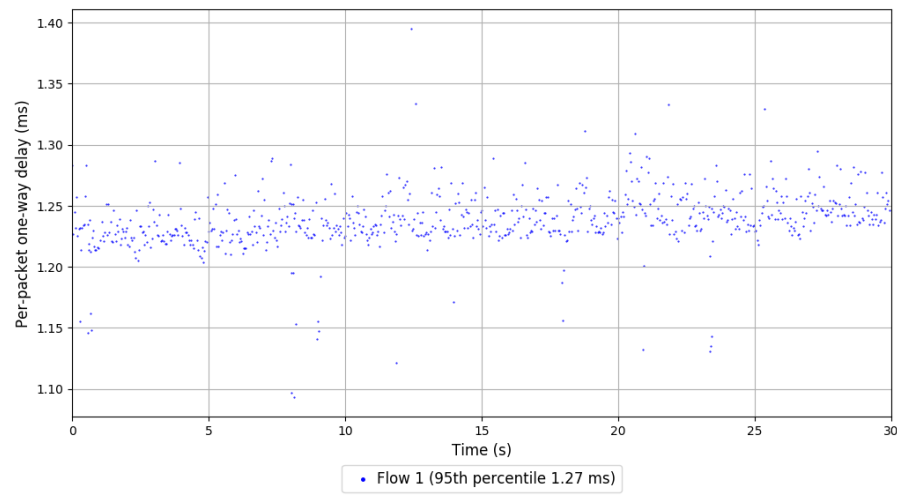
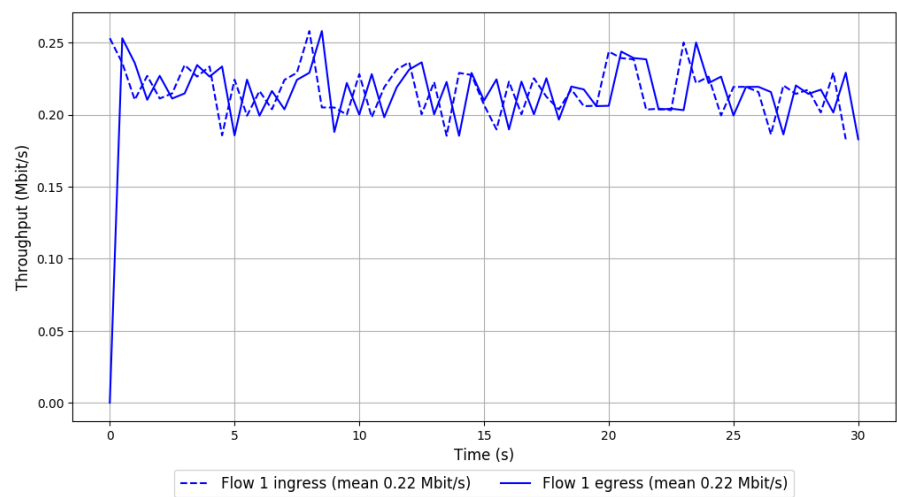
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-01 19:06:12

End at: 2018-08-01 19:06:42

Local clock offset: -0.301 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.969 ms

Loss rate: 0.13%

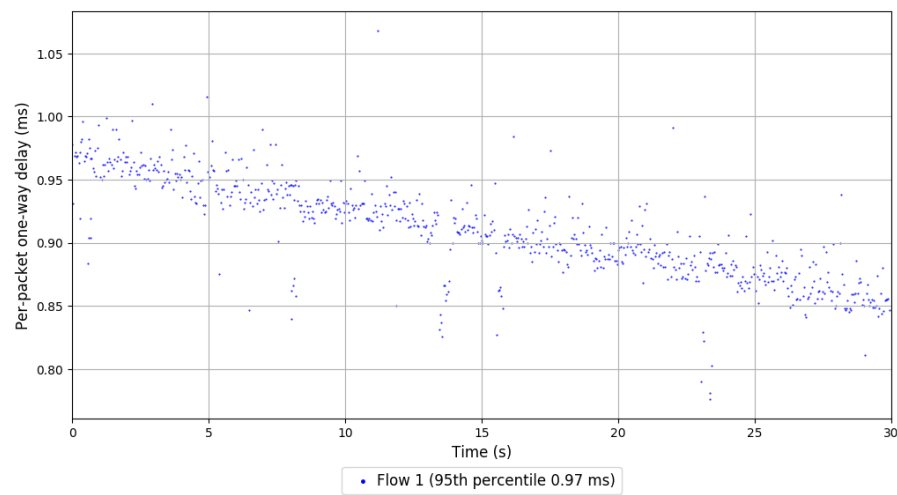
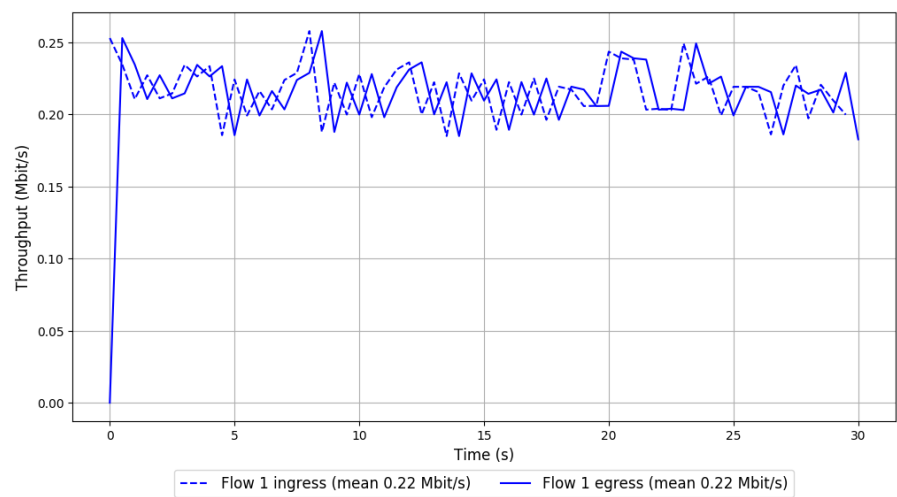
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.969 ms

Loss rate: 0.13%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-01 19:32:08

End at: 2018-08-01 19:32:38

Local clock offset: 1.566 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.00%

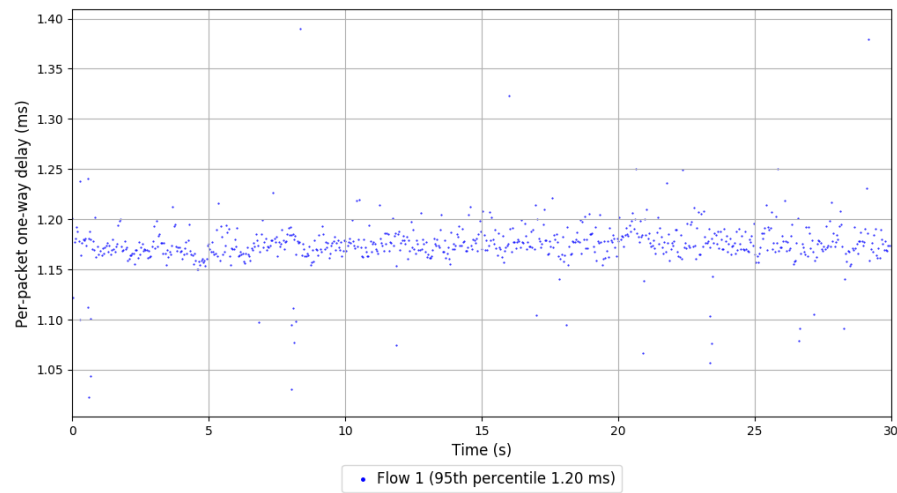
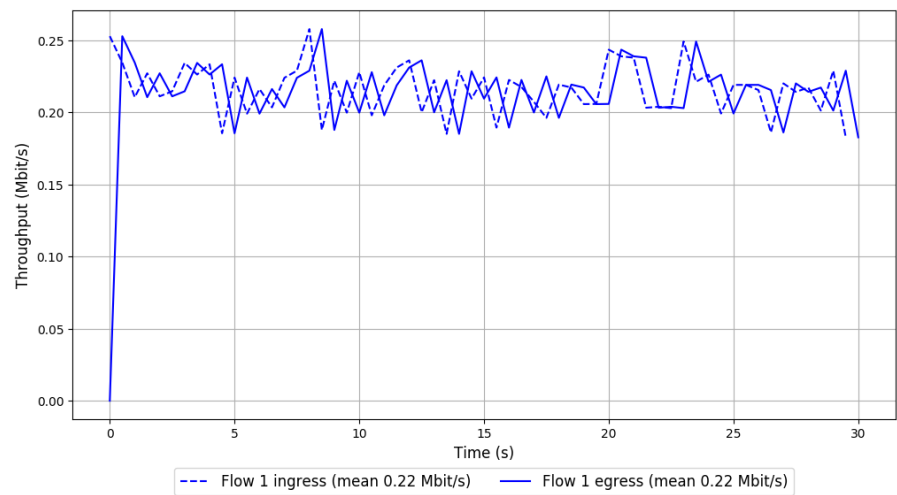
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-01 19:58:05

End at: 2018-08-01 19:58:35

Local clock offset: 1.408 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.13%

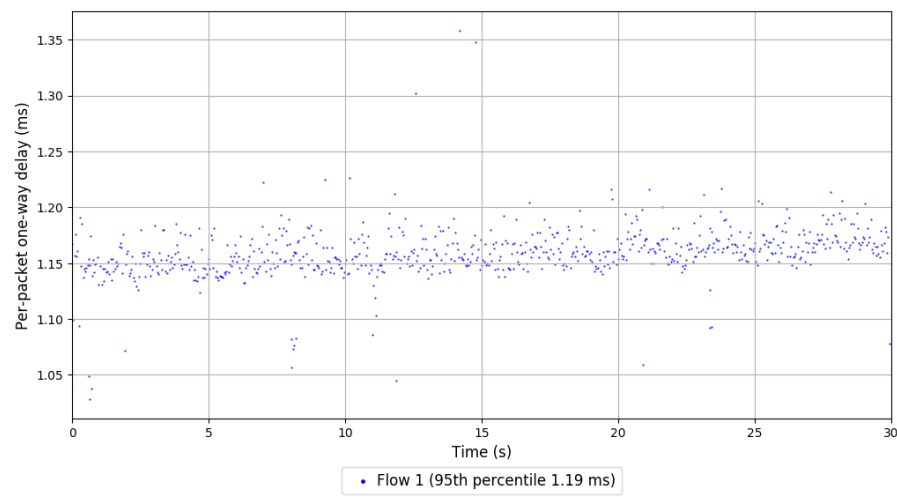
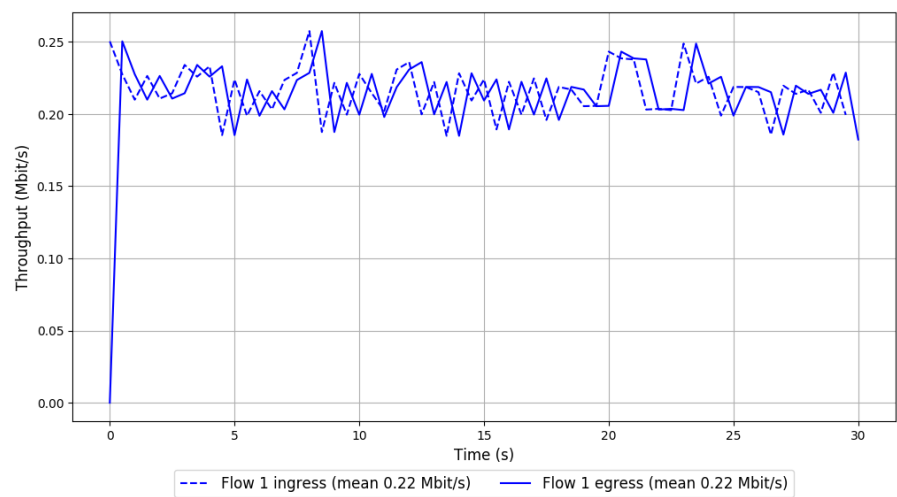
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-01 20:23:58

End at: 2018-08-01 20:24:28

Local clock offset: 1.121 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.310 ms

Loss rate: 0.13%

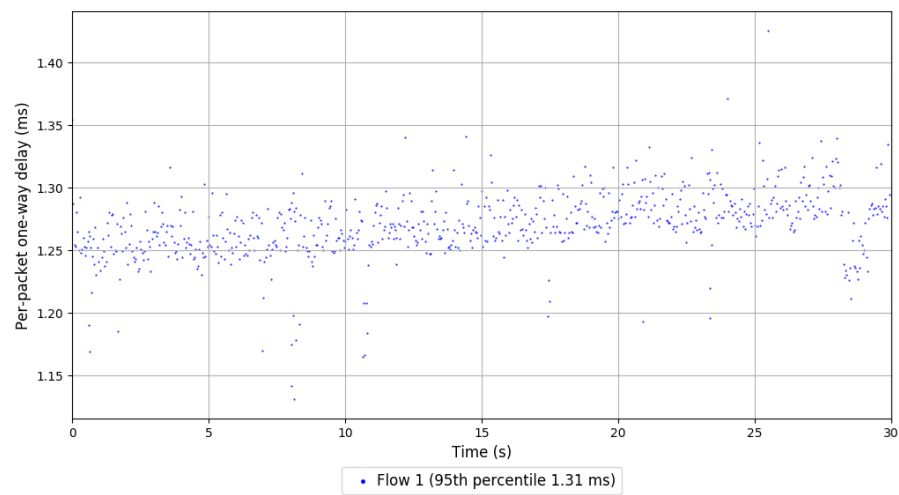
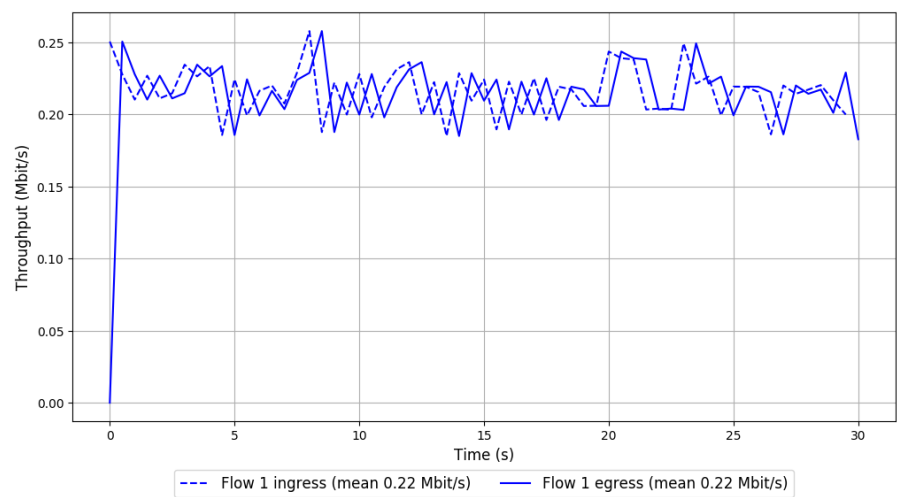
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.310 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-01 16:24:33

End at: 2018-08-01 16:25:03

Local clock offset: 0.192 ms

Remote clock offset: 0.466 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.65 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.16%

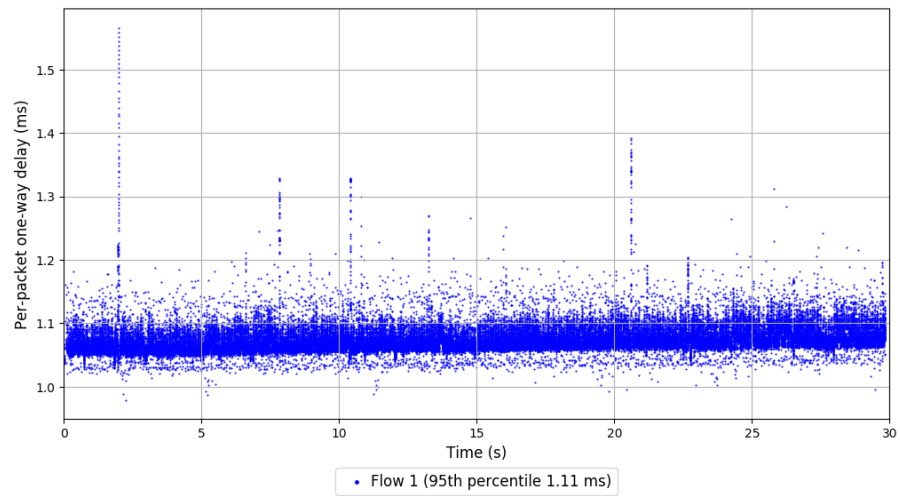
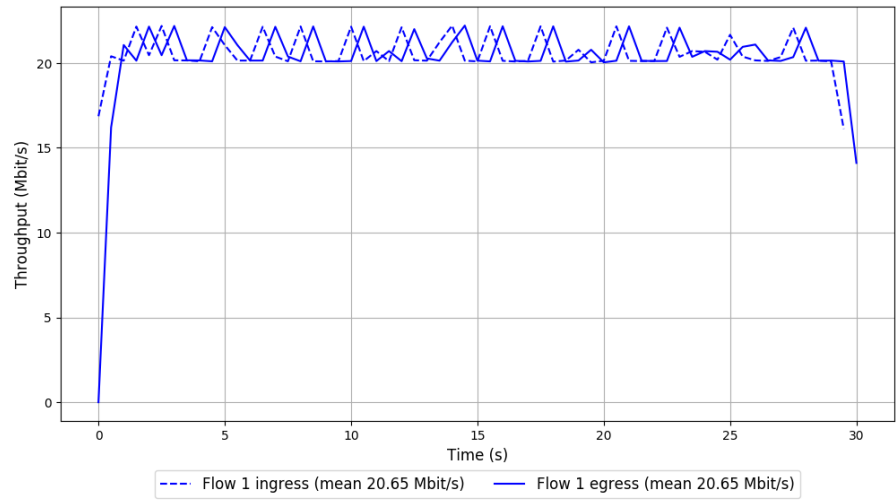
-- Flow 1:

Average throughput: 20.65 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.16%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-01 16:50:25

End at: 2018-08-01 16:50:55

Local clock offset: 0.289 ms

Remote clock offset: 1.06 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.00%

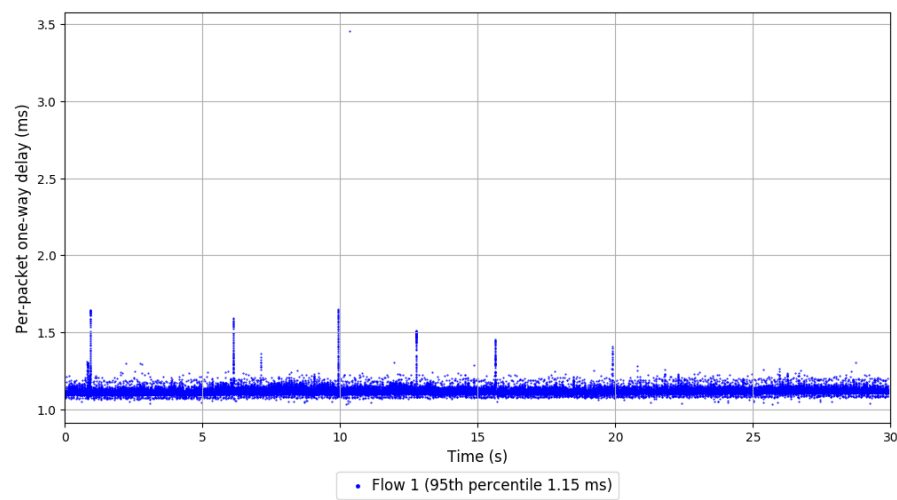
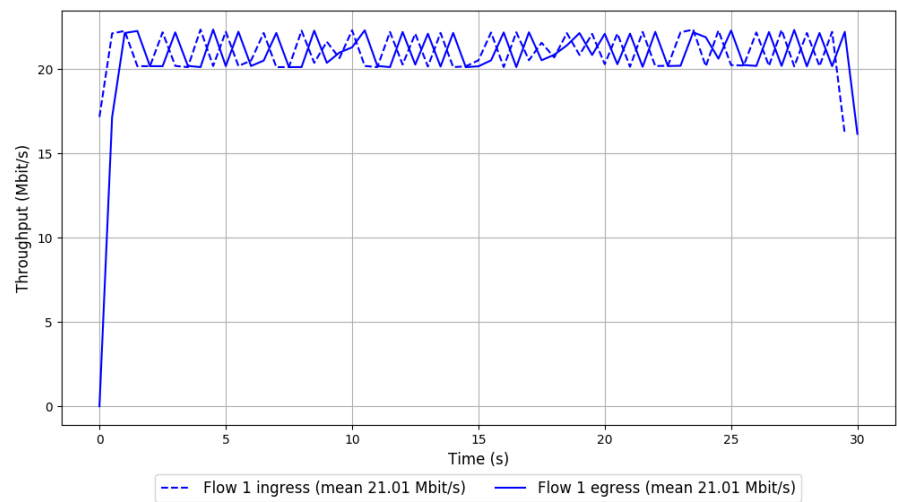
-- Flow 1:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

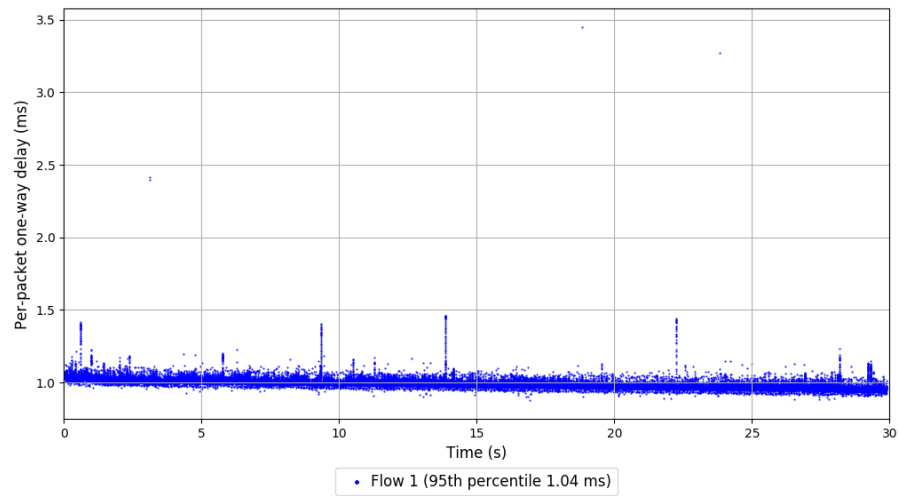
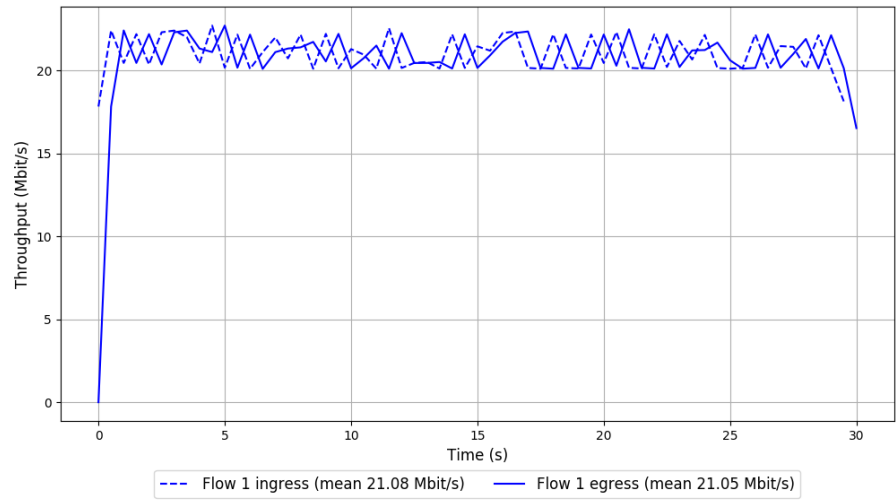


Run 3: Statistics of Sprout

Start at: 2018-08-01 17:16:26
End at: 2018-08-01 17:16:56
Local clock offset: 0.275 ms
Remote clock offset: -2.883 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.13%

Run 3: Report of Sprout — Data Link

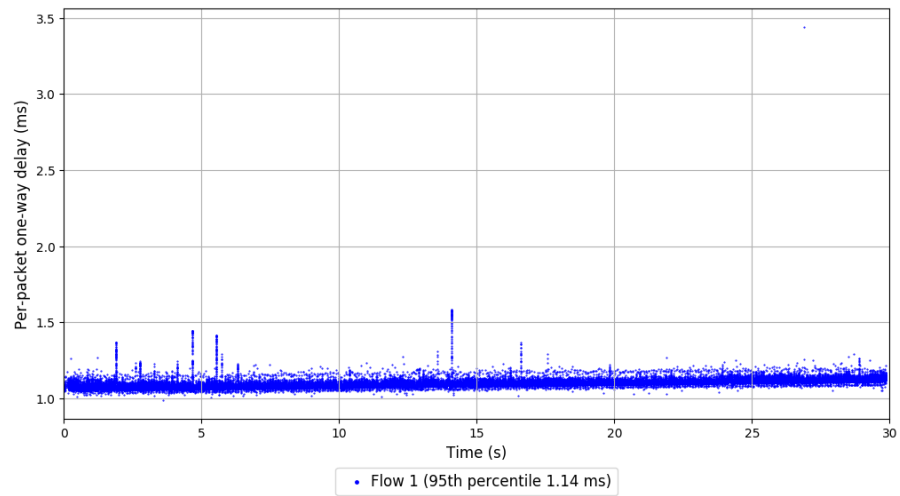
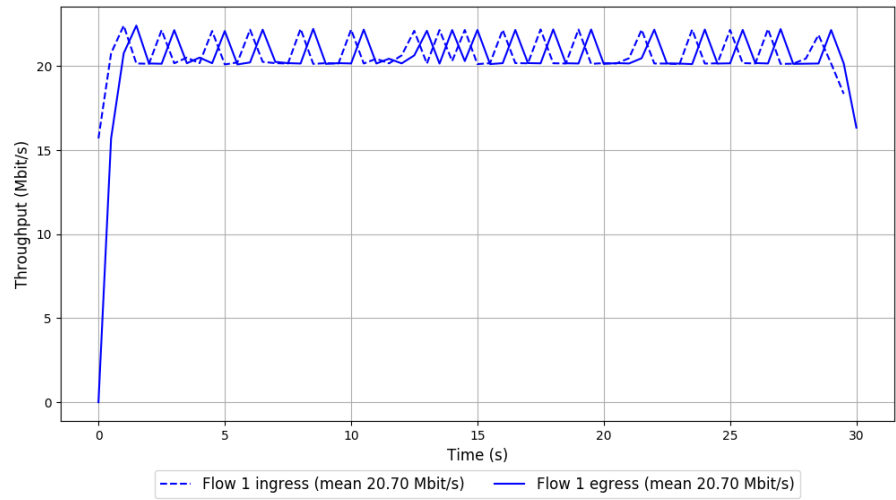


Run 4: Statistics of Sprout

Start at: 2018-08-01 17:42:30
End at: 2018-08-01 17:43:00
Local clock offset: -3.313 ms
Remote clock offset: -3.663 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.70 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.70 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.16%

Run 4: Report of Sprout — Data Link

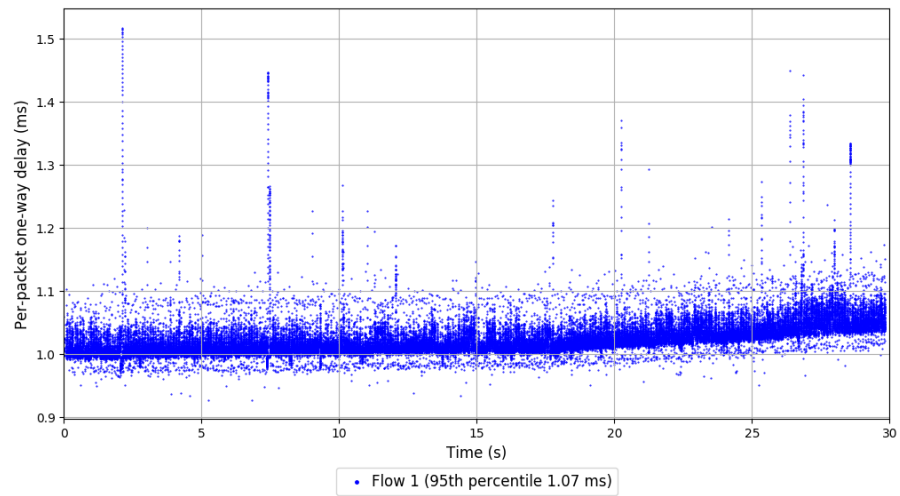
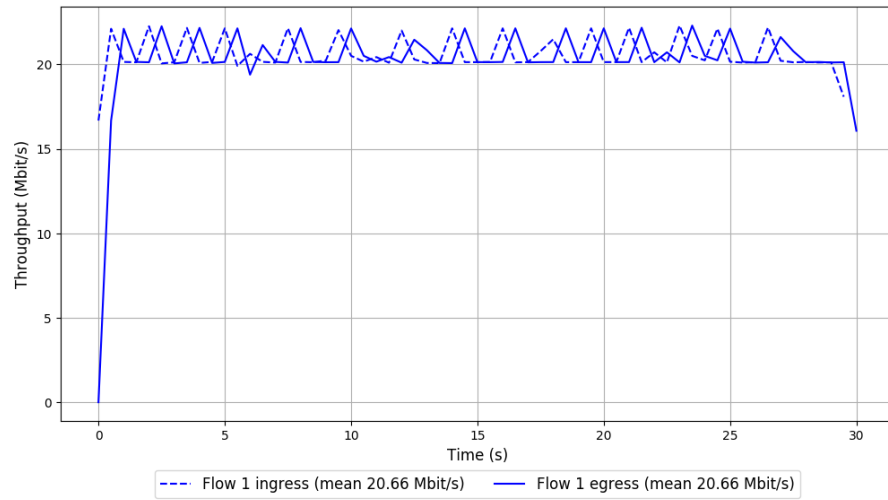


Run 5: Statistics of Sprout

Start at: 2018-08-01 18:08:33
End at: 2018-08-01 18:09:03
Local clock offset: -5.08 ms
Remote clock offset: -3.739 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.16%

Run 5: Report of Sprout — Data Link

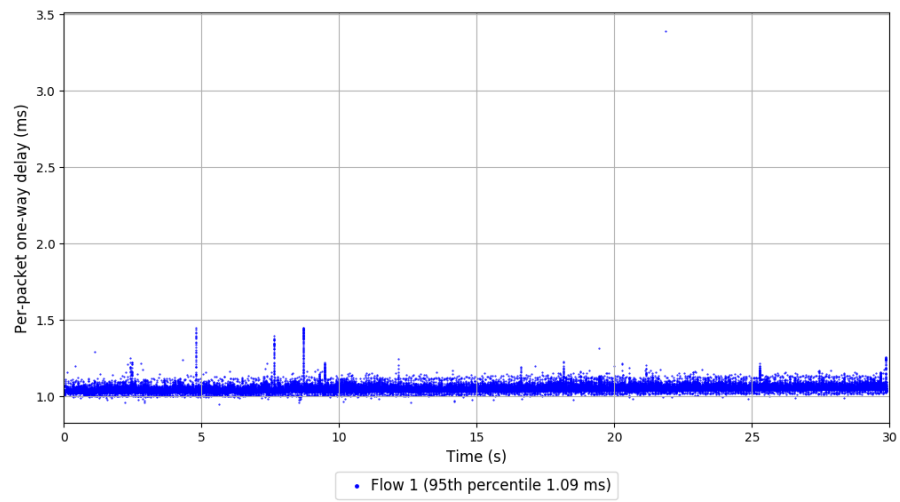
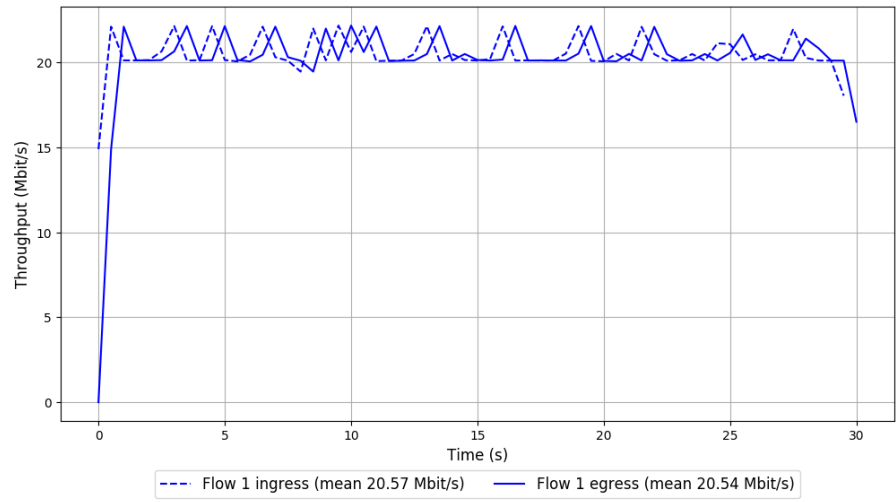


Run 6: Statistics of Sprout

Start at: 2018-08-01 18:34:25
End at: 2018-08-01 18:34:55
Local clock offset: -6.787 ms
Remote clock offset: -3.243 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.12%

Run 6: Report of Sprout — Data Link

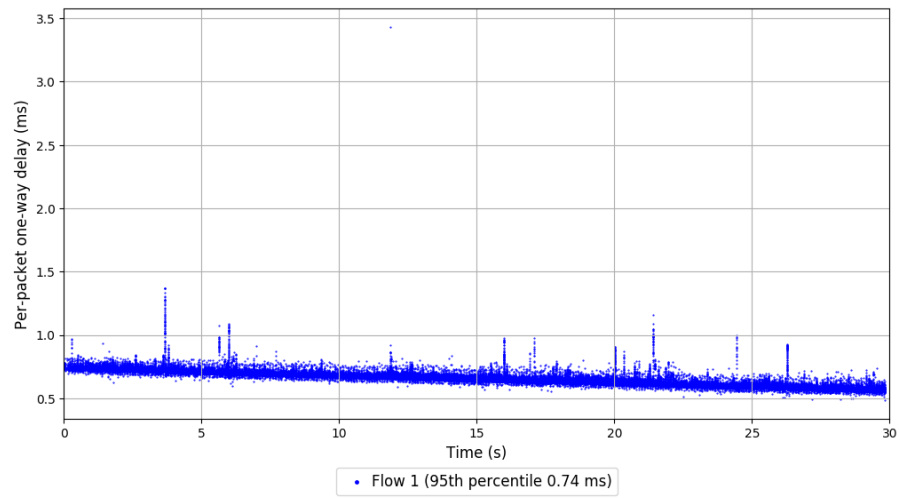
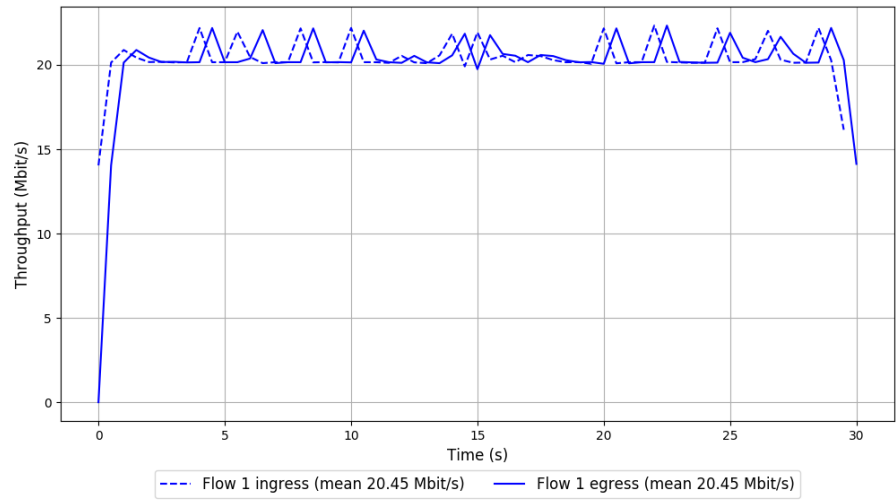


Run 7: Statistics of Sprout

Start at: 2018-08-01 19:00:20
End at: 2018-08-01 19:00:50
Local clock offset: -2.444 ms
Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-01 22:24:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 0.743 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 0.743 ms
Loss rate: 0.17%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-01 19:26:20

End at: 2018-08-01 19:26:50

Local clock offset: 1.973 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.00%

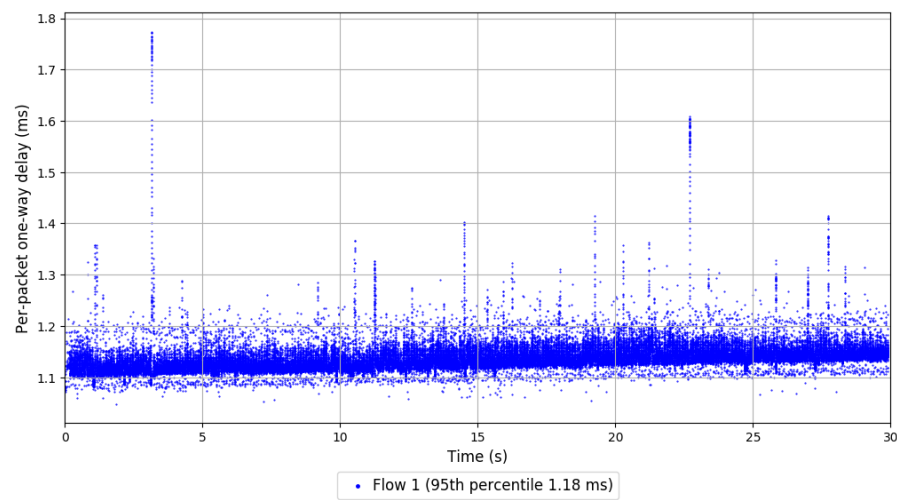
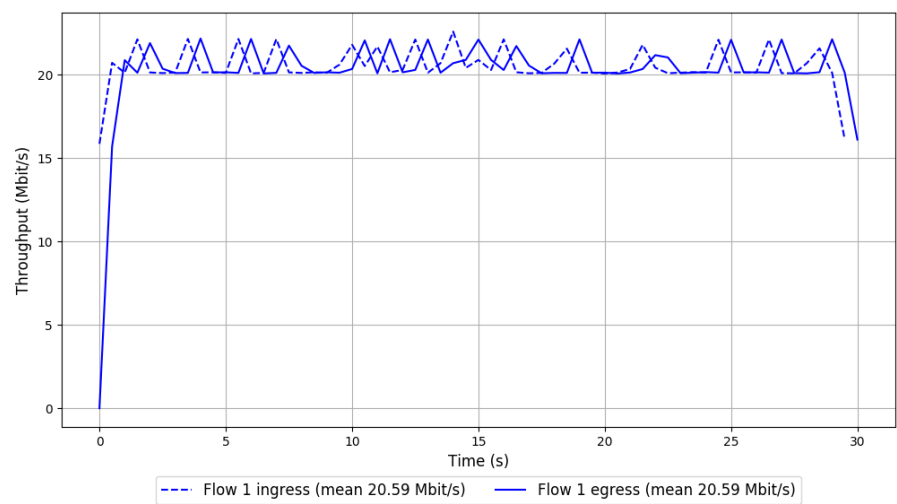
-- Flow 1:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-01 19:52:14

End at: 2018-08-01 19:52:44

Local clock offset: 2.135 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.00%

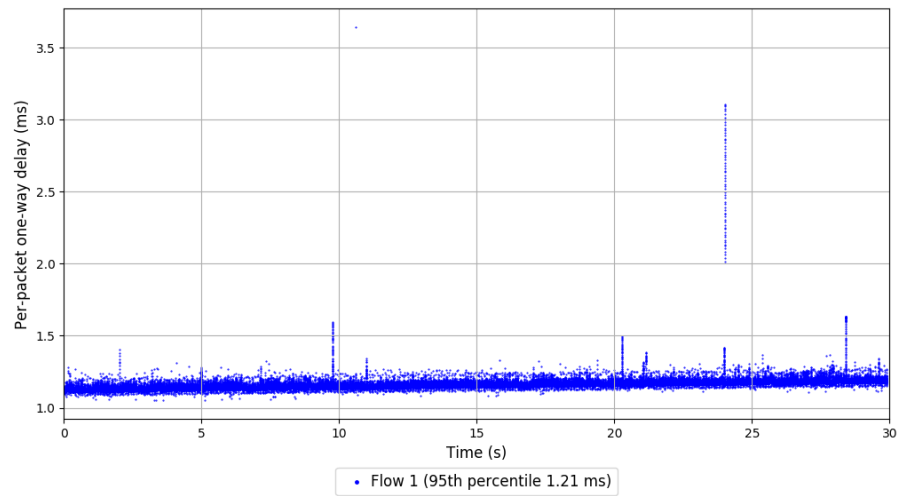
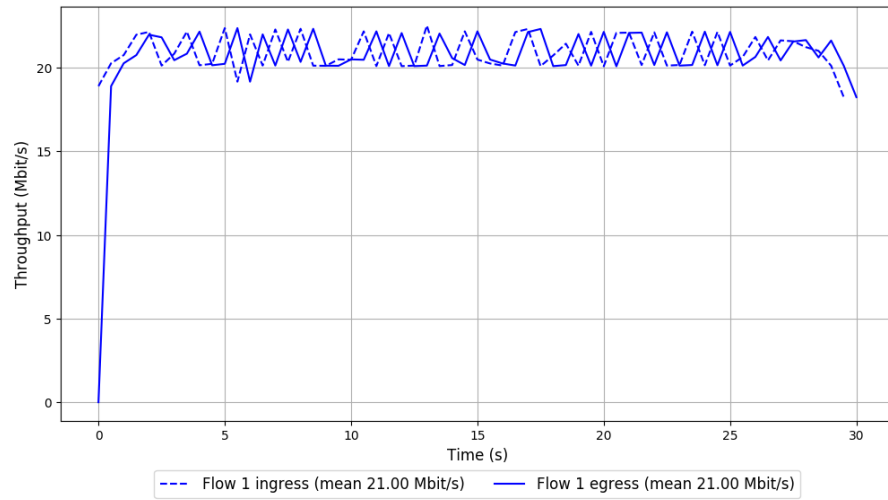
-- Flow 1:

Average throughput: 21.00 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 20:18:09

End at: 2018-08-01 20:18:39

Local clock offset: 1.149 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-08-01 22:24:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.60 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.00%

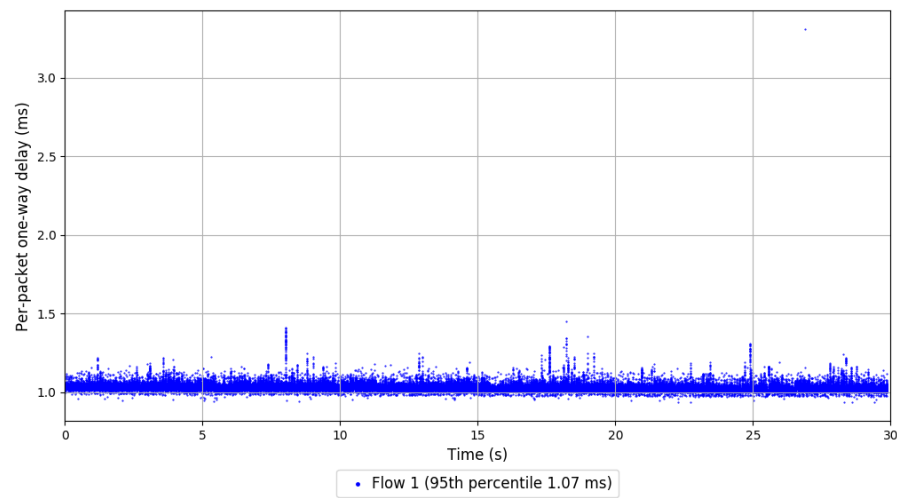
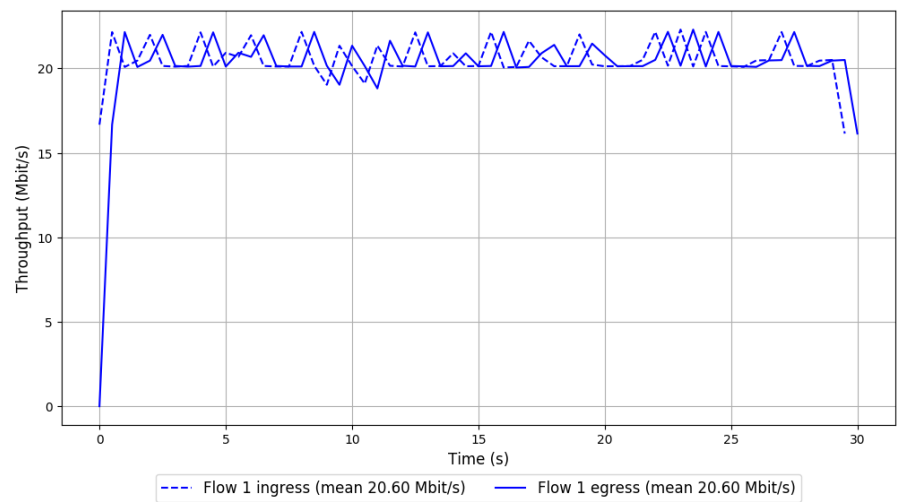
-- Flow 1:

Average throughput: 20.60 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

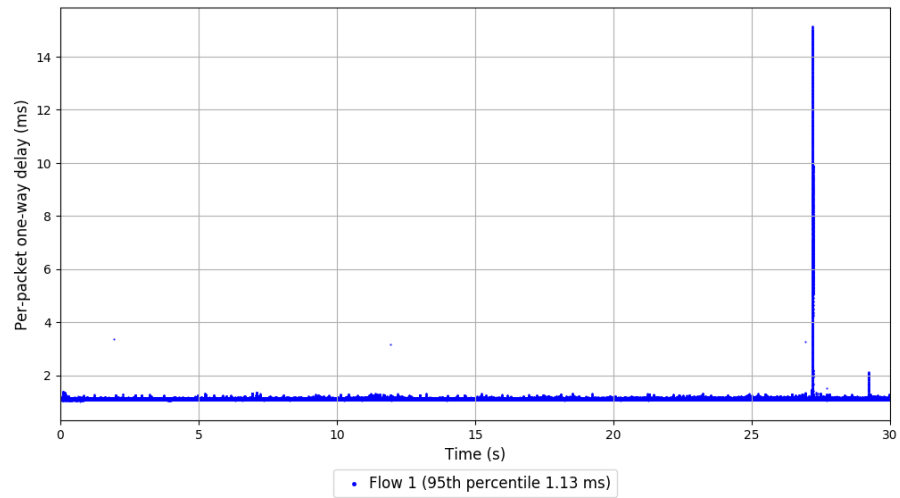
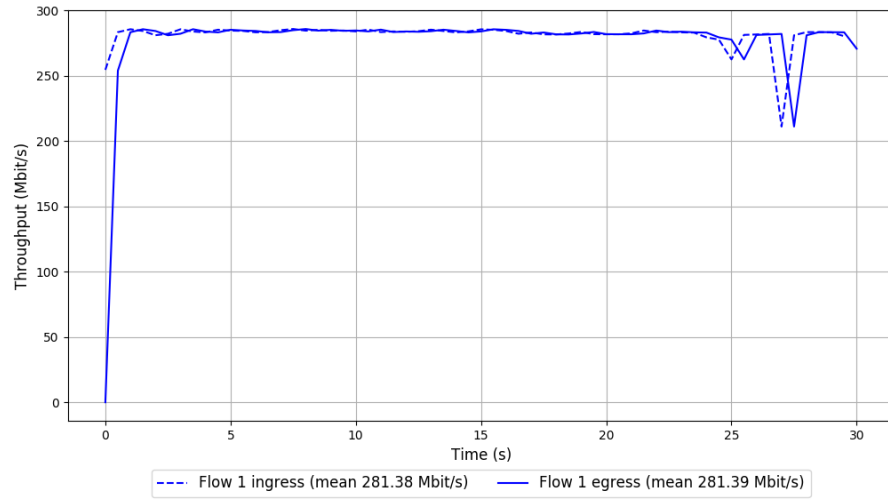


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 16:40:45
End at: 2018-08-01 16:41:15
Local clock offset: 0.231 ms
Remote clock offset: 0.699 ms

# Below is generated by plot.py at 2018-08-01 22:26:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.39 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 281.39 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.06%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 17:06:50

End at: 2018-08-01 17:07:20

Local clock offset: 0.262 ms

Remote clock offset: -1.029 ms

Below is generated by plot.py at 2018-08-01 22:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.35 Mbit/s

95th percentile per-packet one-way delay: 0.996 ms

Loss rate: 0.05%

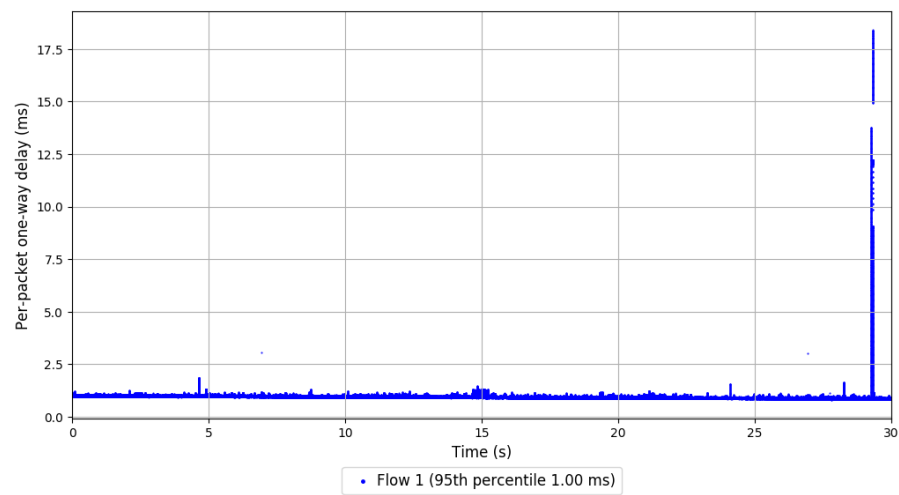
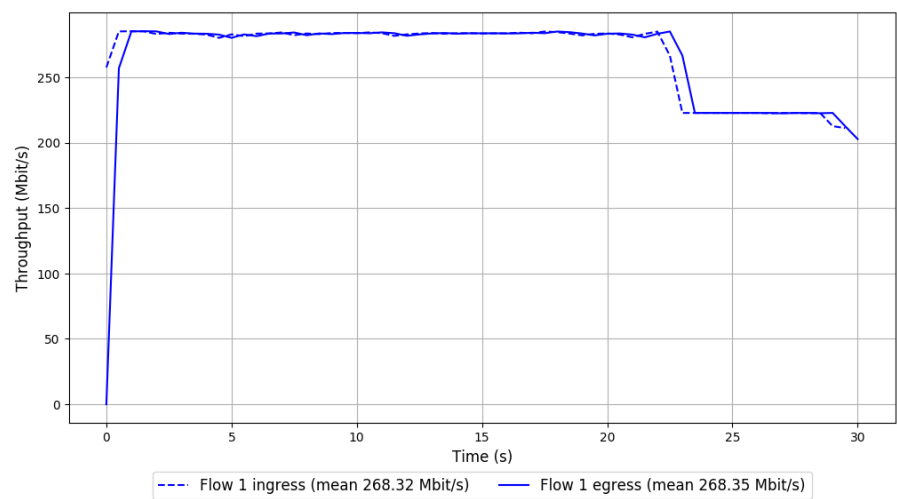
-- Flow 1:

Average throughput: 268.35 Mbit/s

95th percentile per-packet one-way delay: 0.996 ms

Loss rate: 0.05%

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

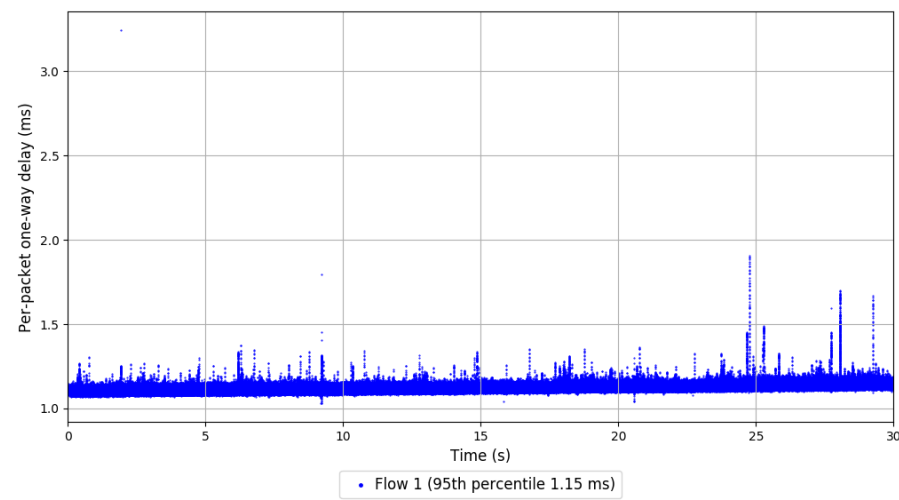
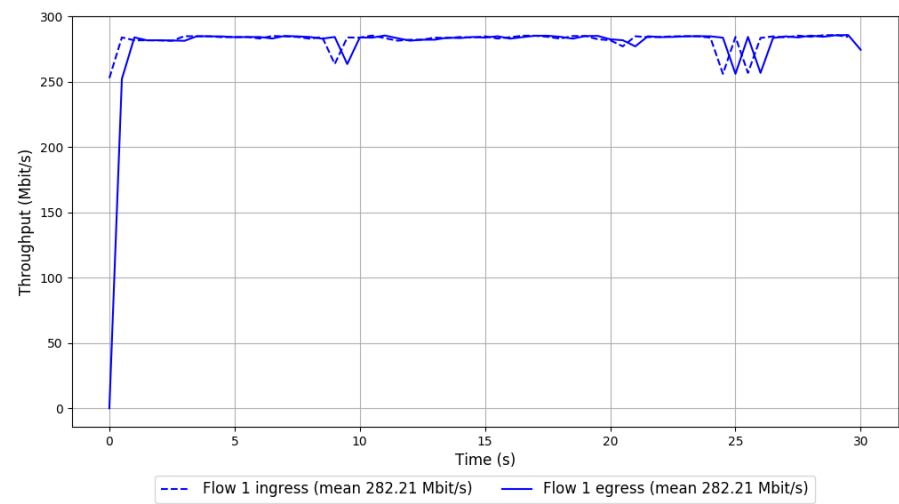


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 17:32:49
End at: 2018-08-01 17:33:19
Local clock offset: -2.247 ms
Remote clock offset: -4.391 ms

Below is generated by plot.py at 2018-08-01 22:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.21 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 282.21 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 17:58:53

End at: 2018-08-01 17:59:23

Local clock offset: -4.376 ms

Remote clock offset: -3.529 ms

Below is generated by plot.py at 2018-08-01 22:26:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.17 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.06%

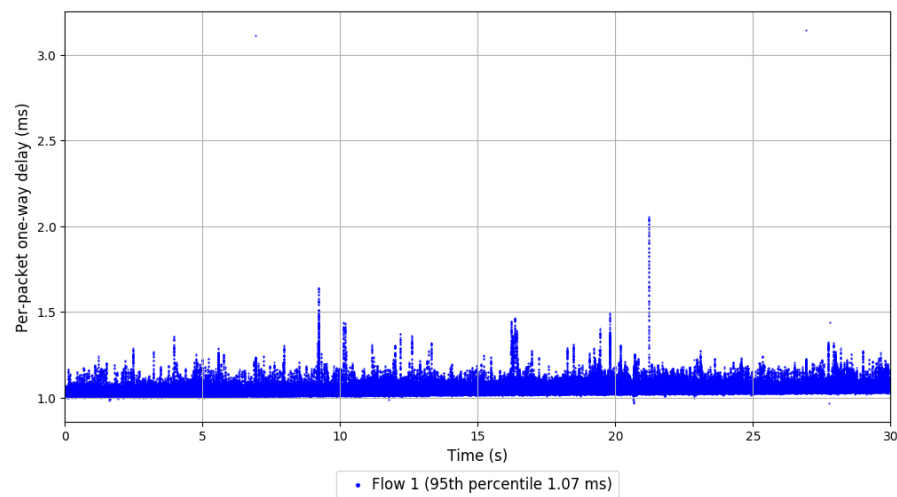
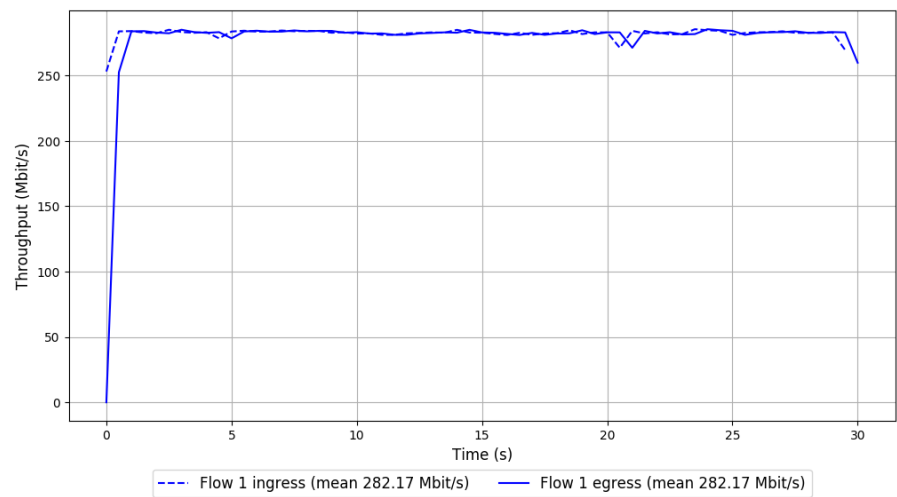
-- Flow 1:

Average throughput: 282.17 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.06%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 18:24:48

End at: 2018-08-01 18:25:18

Local clock offset: -6.15 ms

Remote clock offset: -3.216 ms

Below is generated by plot.py at 2018-08-01 22:29:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.78 Mbit/s

95th percentile per-packet one-way delay: 1.062 ms

Loss rate: 0.07%

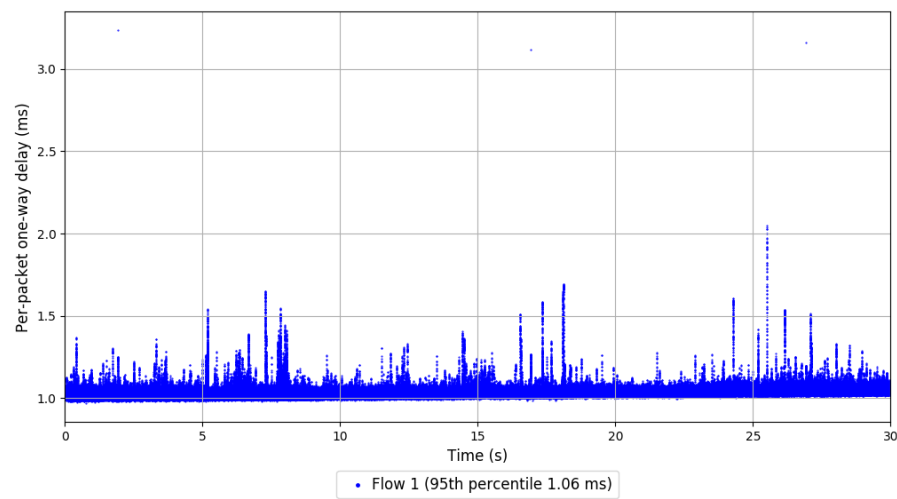
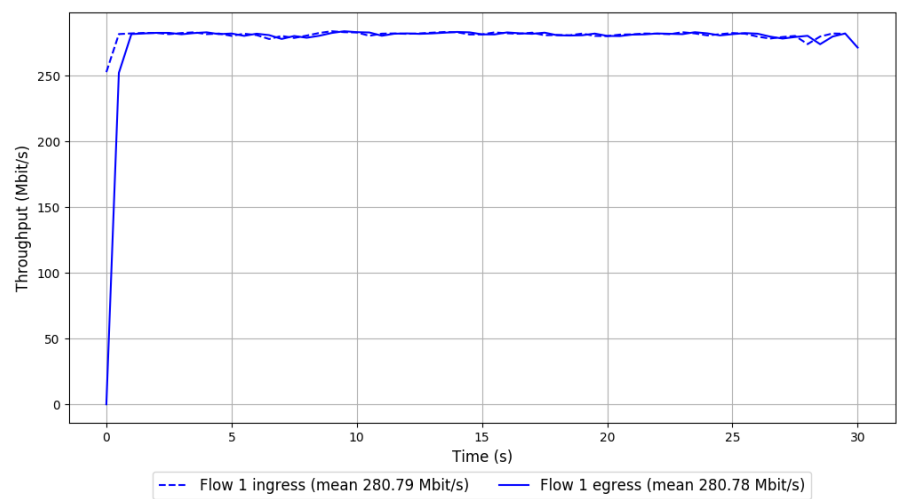
-- Flow 1:

Average throughput: 280.78 Mbit/s

95th percentile per-packet one-way delay: 1.062 ms

Loss rate: 0.07%

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

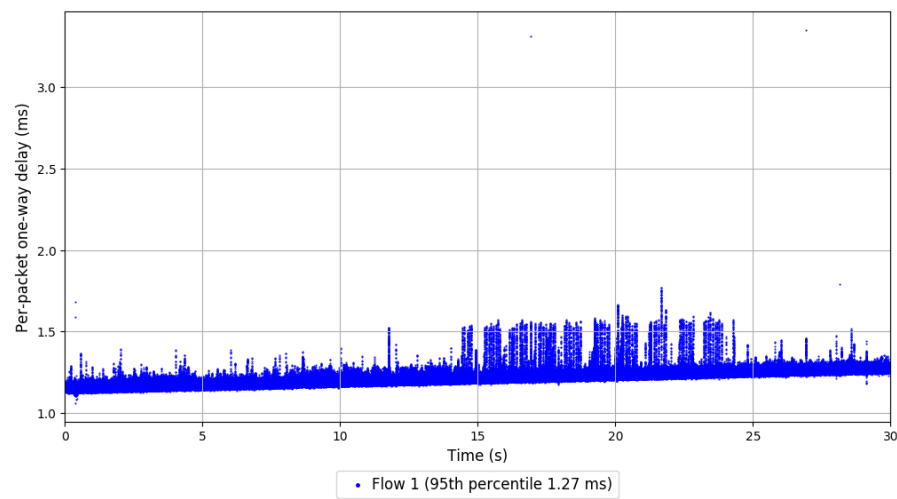
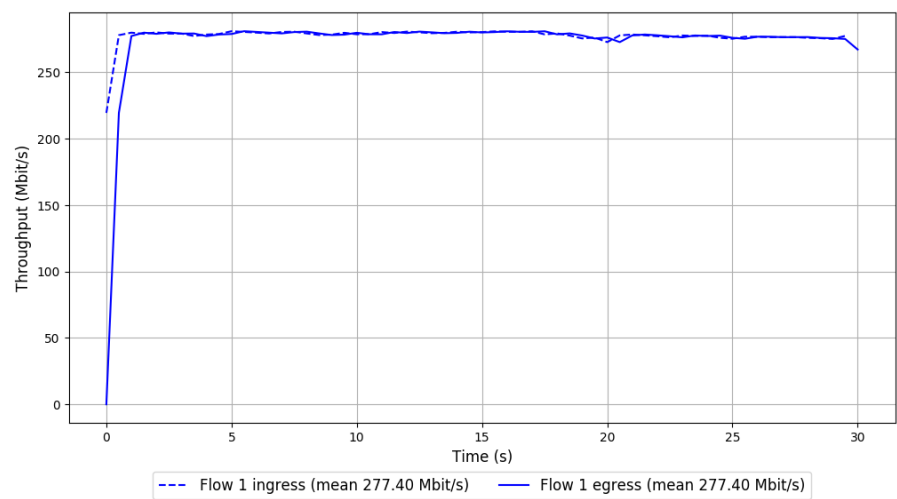


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 18:50:40
End at: 2018-08-01 18:51:10
Local clock offset: -7.745 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2018-08-01 22:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.40 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 277.40 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.07%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 19:16:40

End at: 2018-08-01 19:17:10

Local clock offset: 1.837 ms

Remote clock offset: 0.877 ms

Below is generated by plot.py at 2018-08-01 22:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.81 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.06%

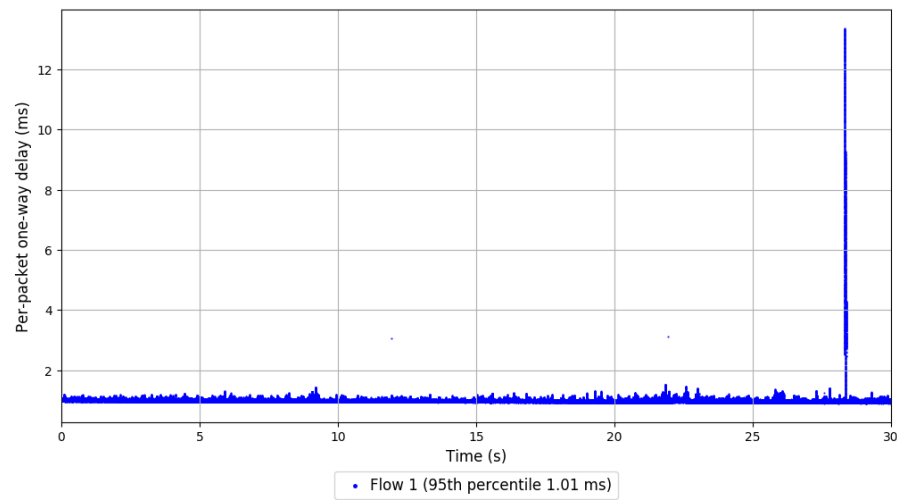
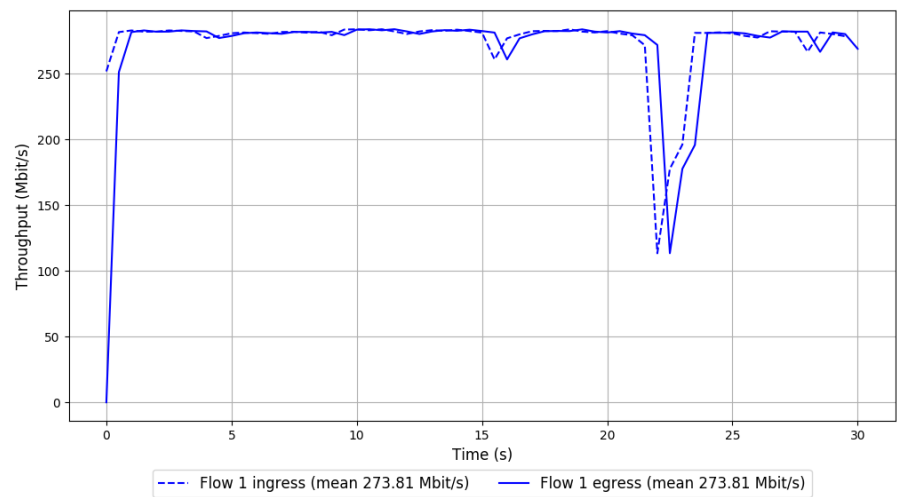
-- Flow 1:

Average throughput: 273.81 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.06%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 19:42:35

End at: 2018-08-01 19:43:05

Local clock offset: 1.582 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-08-01 22:30:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.21 Mbit/s

95th percentile per-packet one-way delay: 0.851 ms

Loss rate: 0.07%

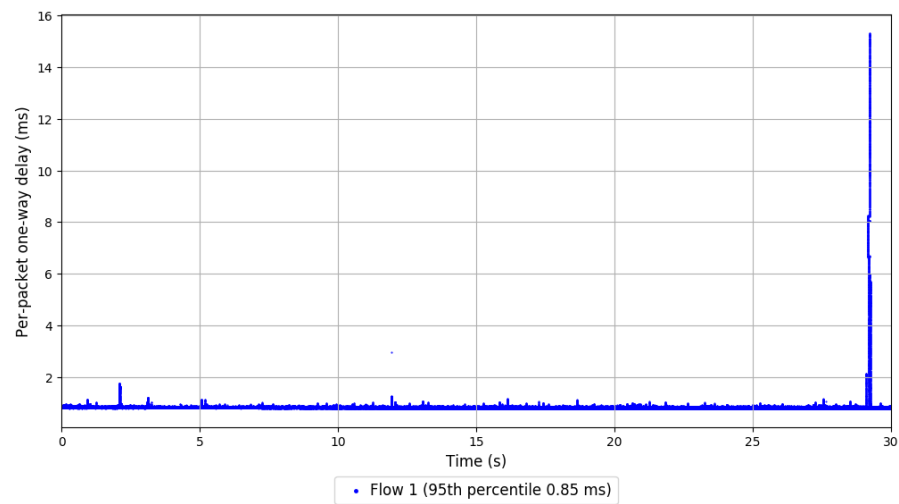
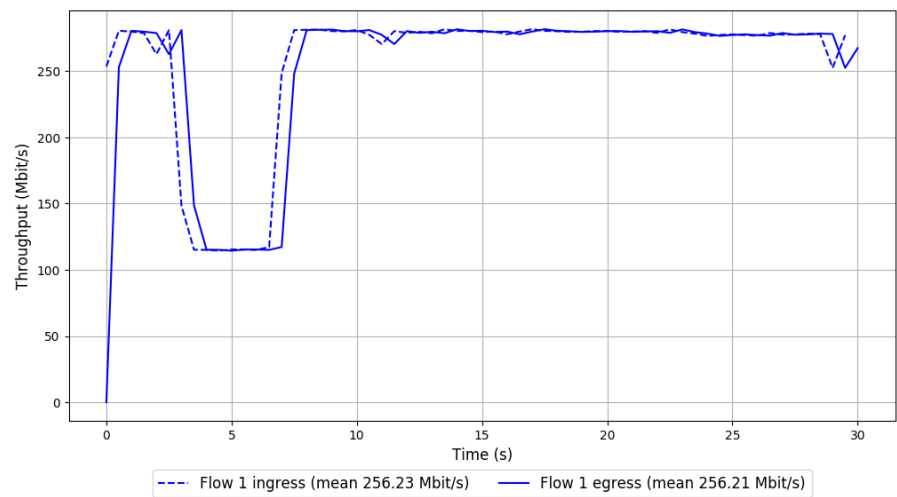
-- Flow 1:

Average throughput: 256.21 Mbit/s

95th percentile per-packet one-way delay: 0.851 ms

Loss rate: 0.07%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 20:08:32

End at: 2018-08-01 20:09:02

Local clock offset: 0.941 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-08-01 22:32:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.33 Mbit/s

95th percentile per-packet one-way delay: 0.922 ms

Loss rate: 0.07%

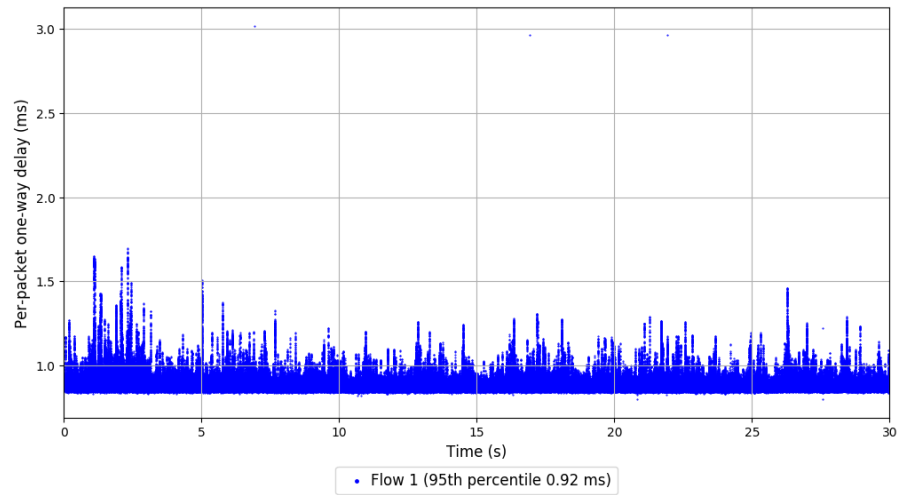
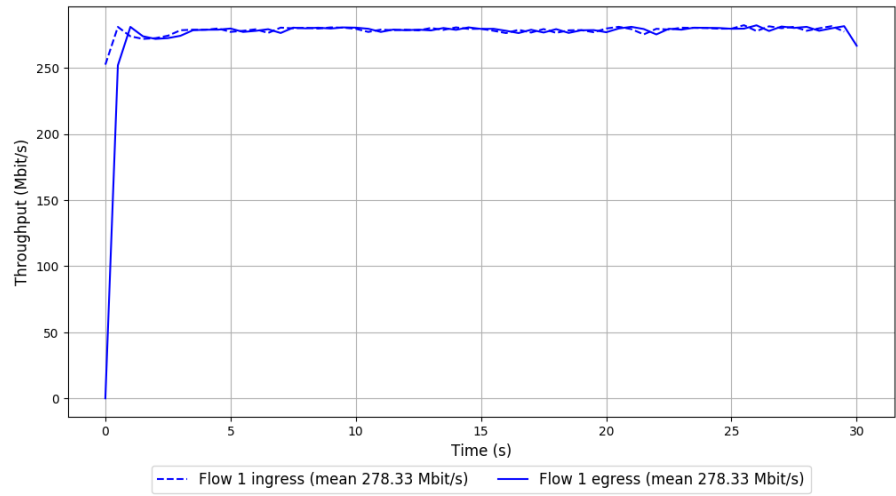
-- Flow 1:

Average throughput: 278.33 Mbit/s

95th percentile per-packet one-way delay: 0.922 ms

Loss rate: 0.07%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 20:34:26

End at: 2018-08-01 20:34:56

Local clock offset: 0.495 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-01 22:32:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.38 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.07%

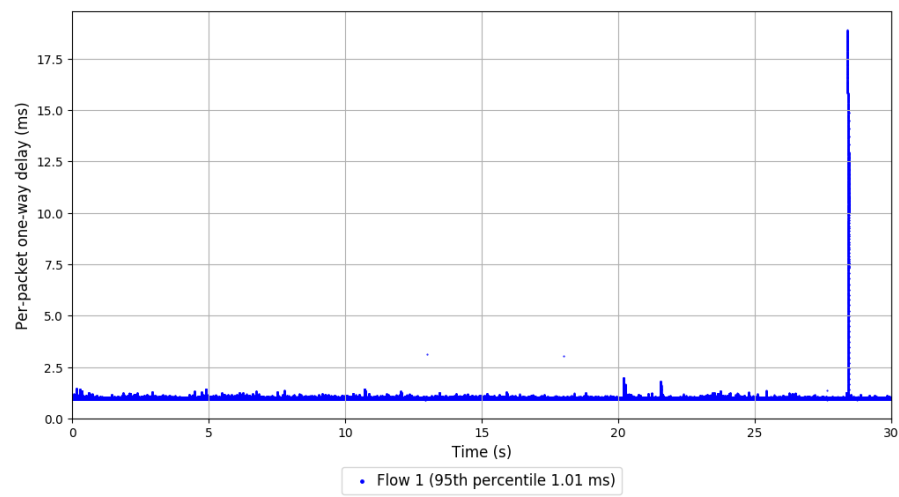
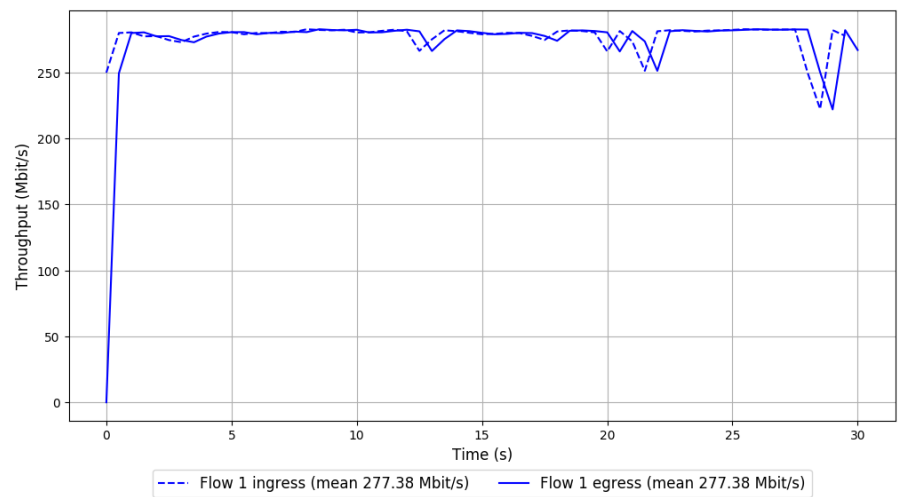
-- Flow 1:

Average throughput: 277.38 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.07%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 16:23:04

End at: 2018-08-01 16:23:34

Local clock offset: 0.231 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-08-01 22:32:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.74 Mbit/s

95th percentile per-packet one-way delay: 1.259 ms

Loss rate: 0.07%

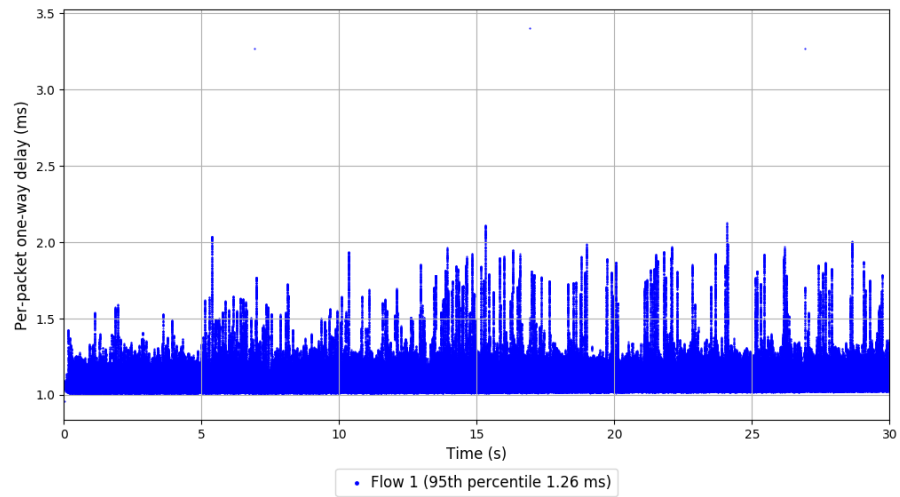
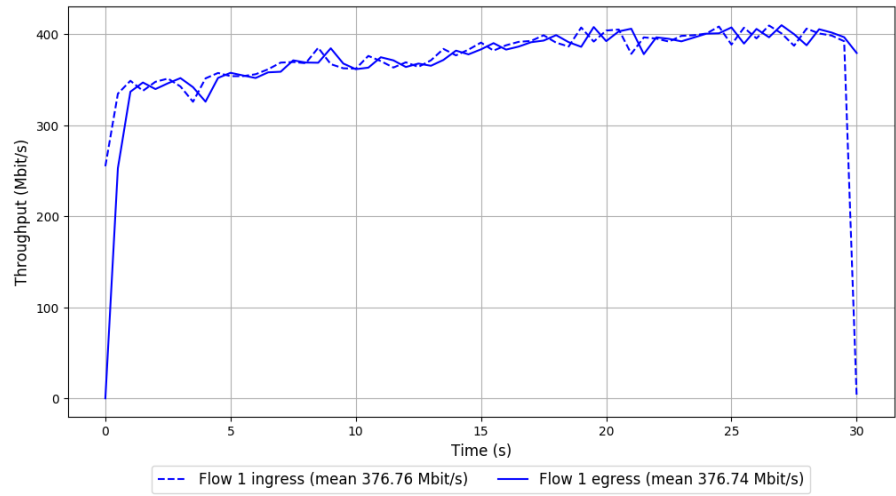
-- Flow 1:

Average throughput: 376.74 Mbit/s

95th percentile per-packet one-way delay: 1.259 ms

Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 16:48:57

End at: 2018-08-01 16:49:27

Local clock offset: 0.18 ms

Remote clock offset: 1.14 ms

Below is generated by plot.py at 2018-08-01 22:32:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.06 Mbit/s

95th percentile per-packet one-way delay: 1.029 ms

Loss rate: 0.07%

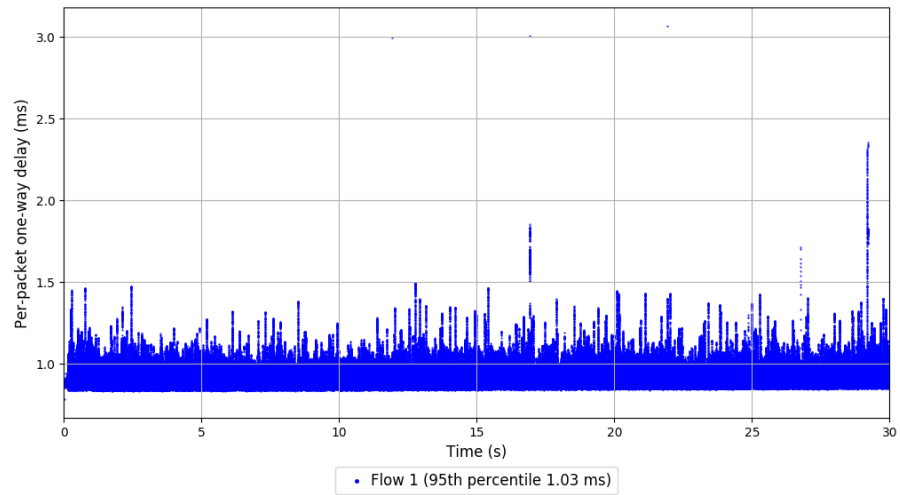
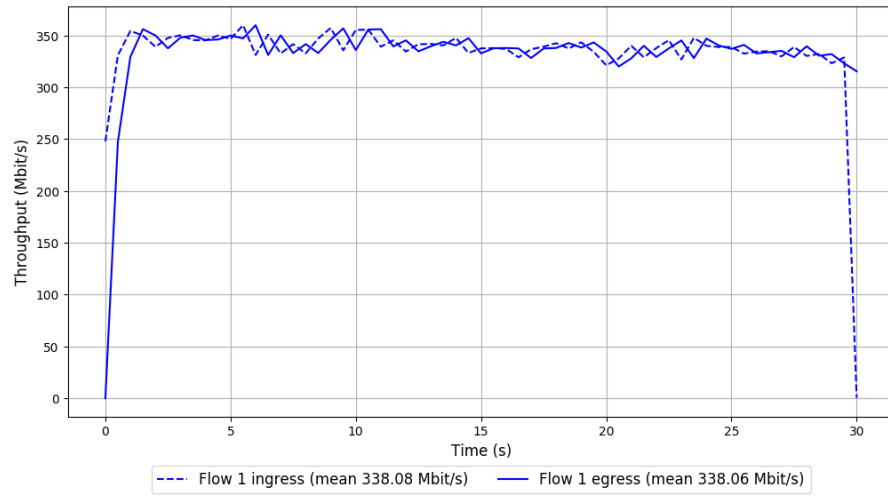
-- Flow 1:

Average throughput: 338.06 Mbit/s

95th percentile per-packet one-way delay: 1.029 ms

Loss rate: 0.07%

Run 2: Report of TCP Vegas — Data Link

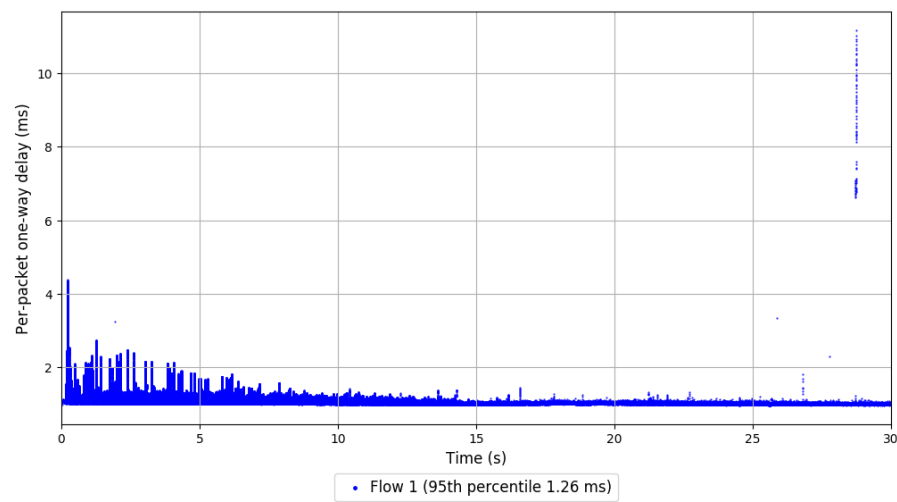
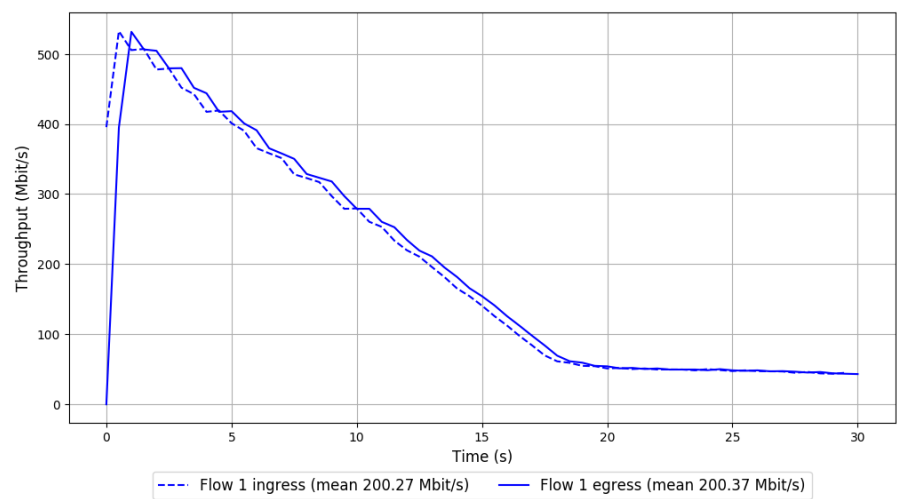


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 17:15:02
End at: 2018-08-01 17:15:32
Local clock offset: 0.265 ms
Remote clock offset: -2.731 ms

Below is generated by plot.py at 2018-08-01 22:32:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.37 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.37 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

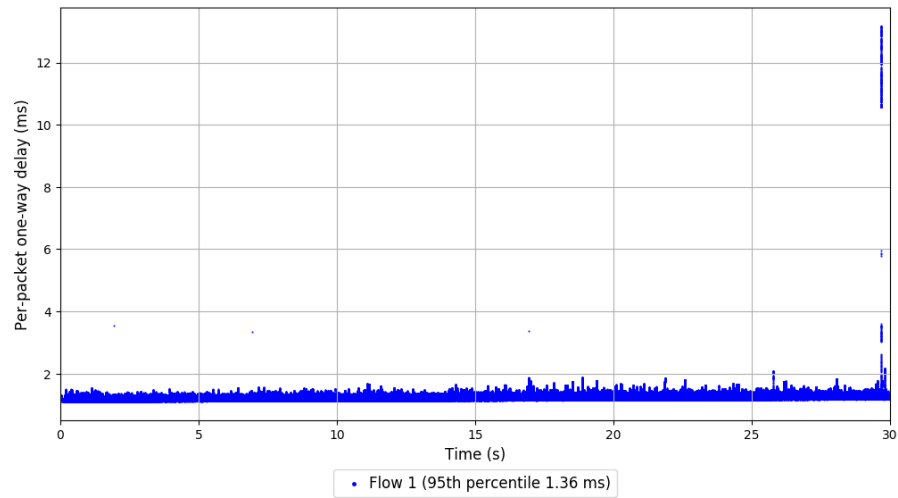
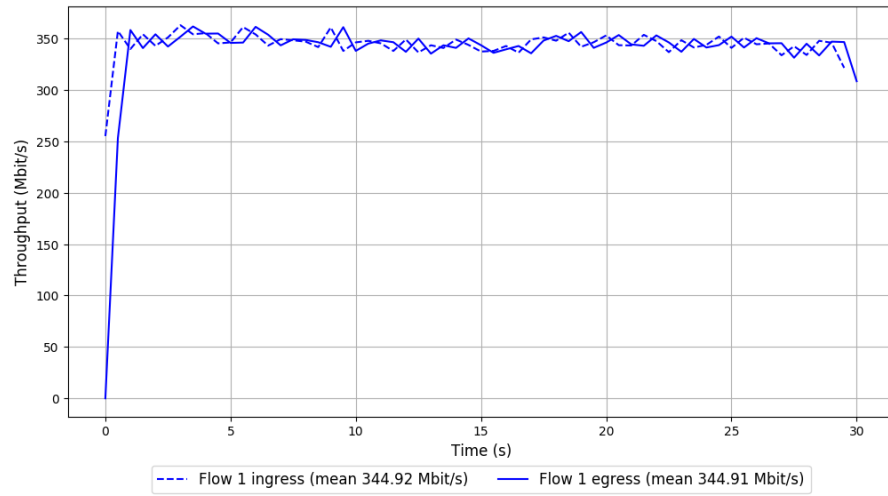


Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 17:41:02
End at: 2018-08-01 17:41:32
Local clock offset: -3.179 ms
Remote clock offset: -3.819 ms

Below is generated by plot.py at 2018-08-01 22:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.91 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 344.91 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.07%

Run 4: Report of TCP Vegas — Data Link

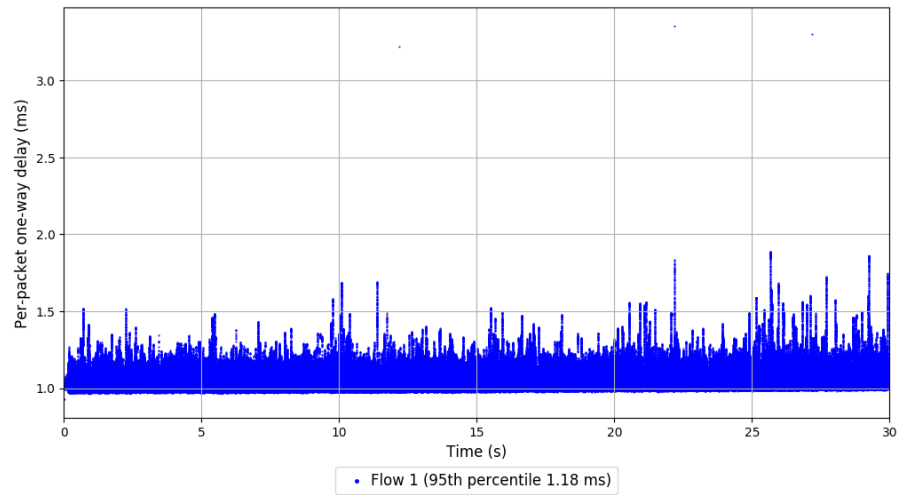
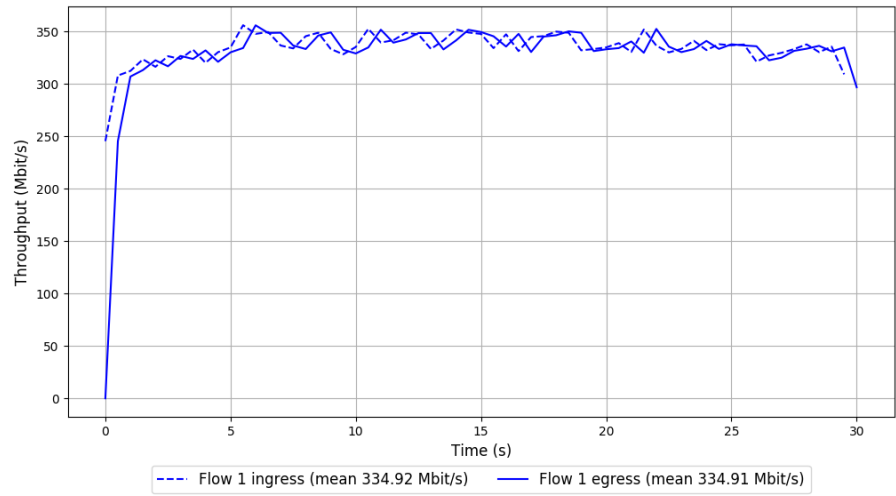


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 18:07:04
End at: 2018-08-01 18:07:35
Local clock offset: -4.977 ms
Remote clock offset: -3.698 ms

Below is generated by plot.py at 2018-08-01 22:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.91 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 334.91 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

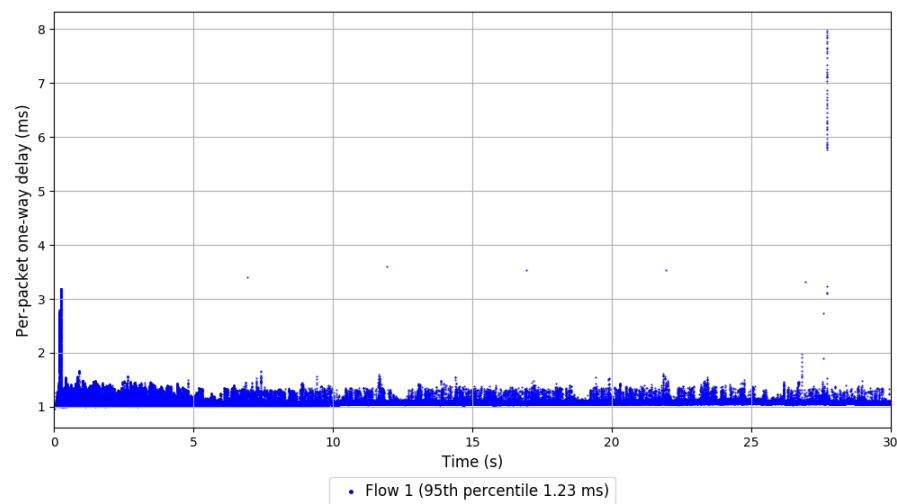
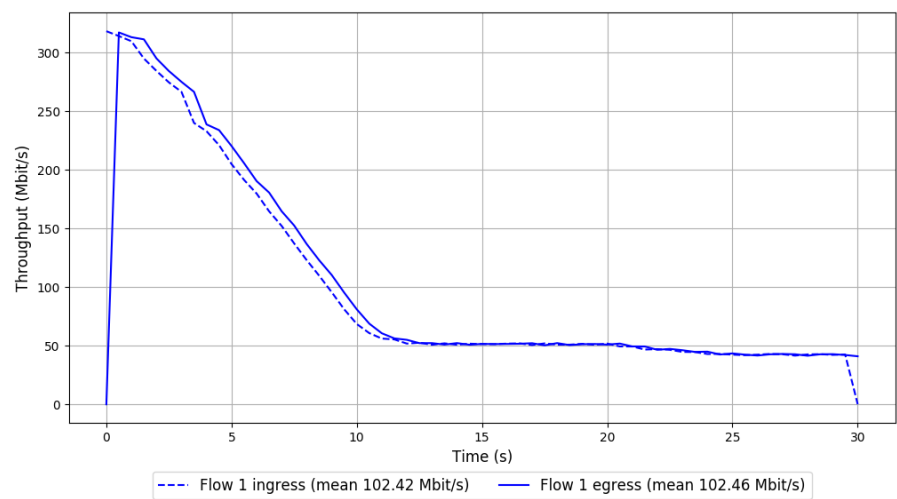


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 18:33:04
End at: 2018-08-01 18:33:34
Local clock offset: -6.682 ms
Remote clock offset: -3.226 ms

Below is generated by plot.py at 2018-08-01 22:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.46 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 102.46 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.03%

Run 6: Report of TCP Vegas — Data Link

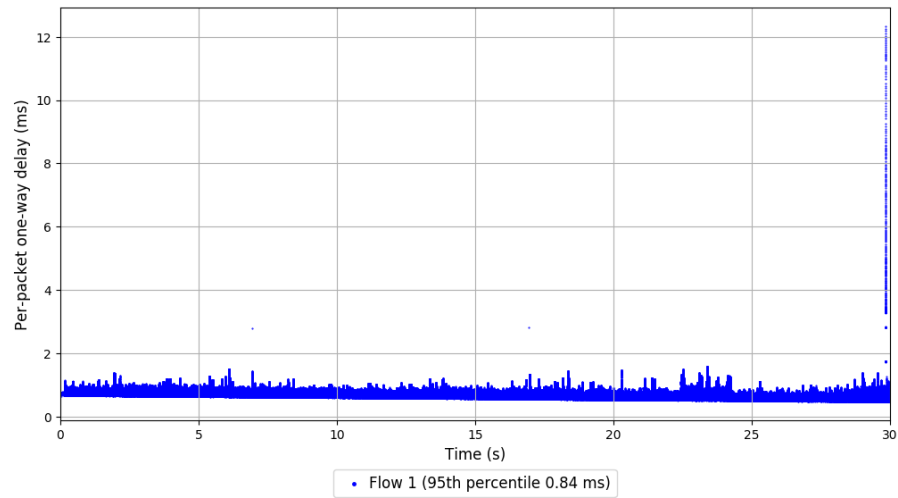
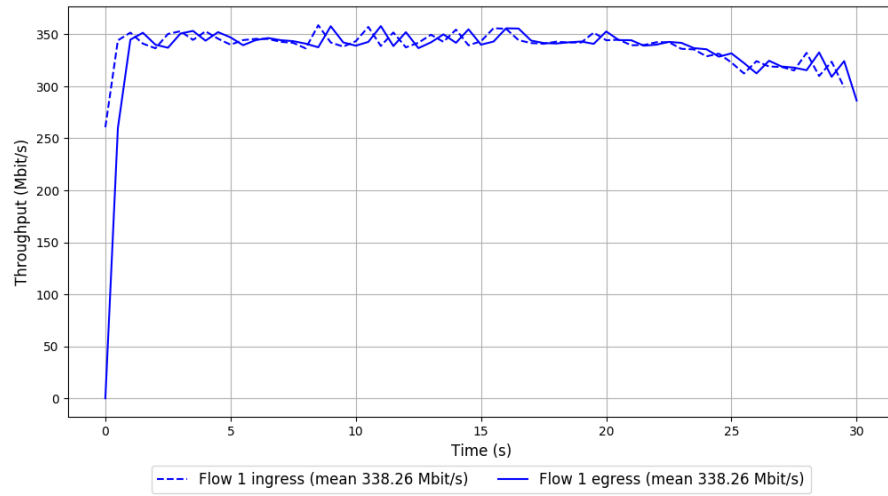


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 18:58:51
End at: 2018-08-01 18:59:21
Local clock offset: -3.181 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-01 22:34:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.26 Mbit/s
95th percentile per-packet one-way delay: 0.838 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 338.26 Mbit/s
95th percentile per-packet one-way delay: 0.838 ms
Loss rate: 0.06%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 19:24:52

End at: 2018-08-01 19:25:22

Local clock offset: 2.176 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2018-08-01 22:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.72 Mbit/s

95th percentile per-packet one-way delay: 1.421 ms

Loss rate: 0.06%

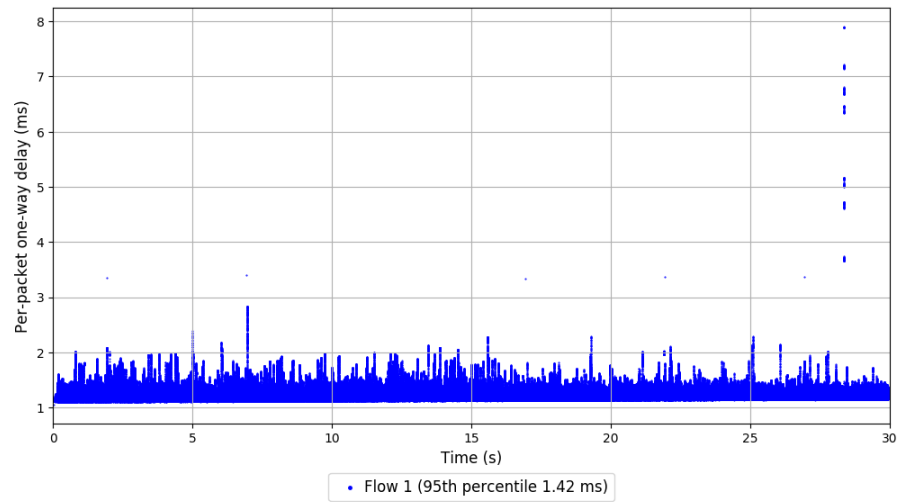
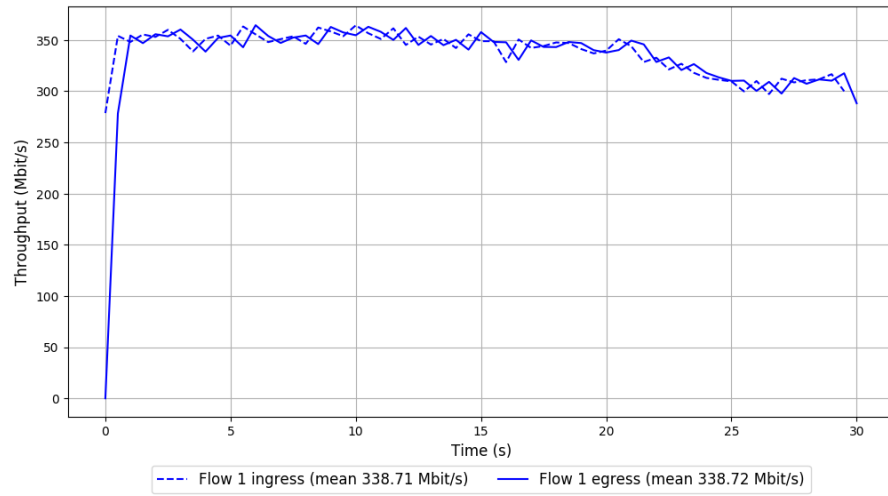
-- Flow 1:

Average throughput: 338.72 Mbit/s

95th percentile per-packet one-way delay: 1.421 ms

Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 19:50:47

End at: 2018-08-01 19:51:17

Local clock offset: 2.046 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-08-01 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.36 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.06%

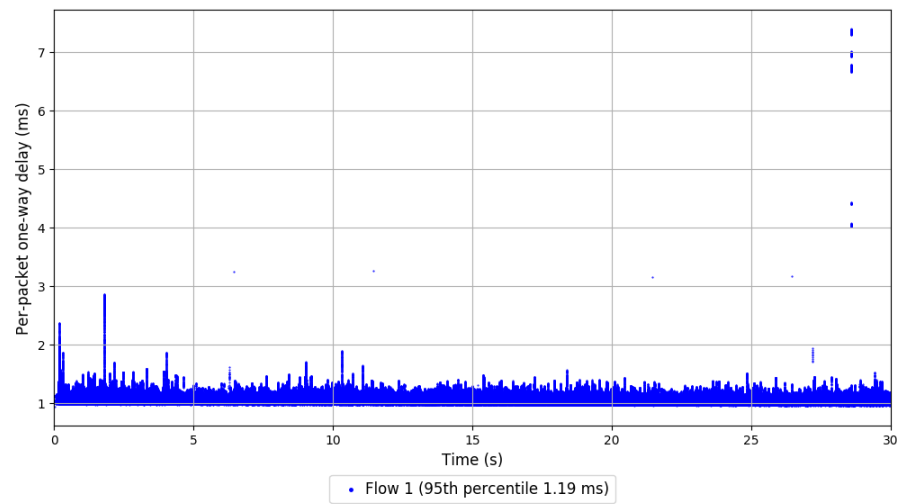
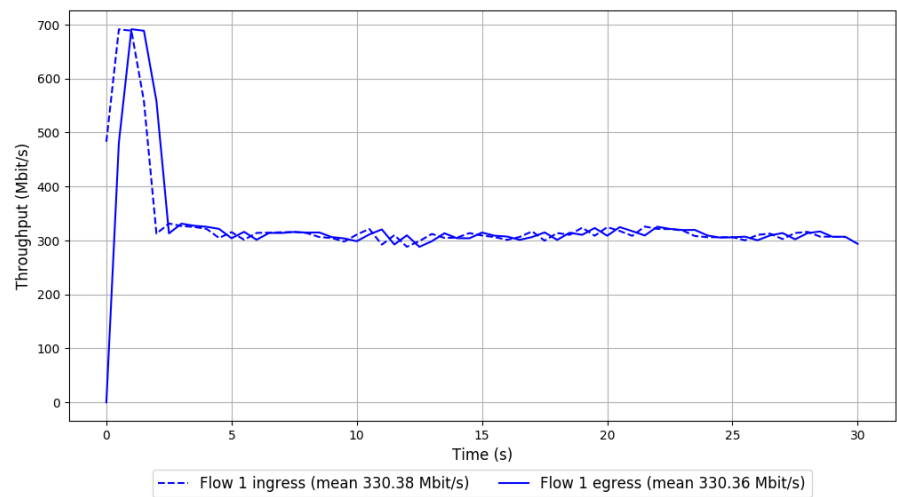
-- Flow 1:

Average throughput: 330.36 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.06%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 20:16:43

End at: 2018-08-01 20:17:13

Local clock offset: 1.019 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-08-01 22:35:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.99 Mbit/s

95th percentile per-packet one-way delay: 1.128 ms

Loss rate: 0.08%

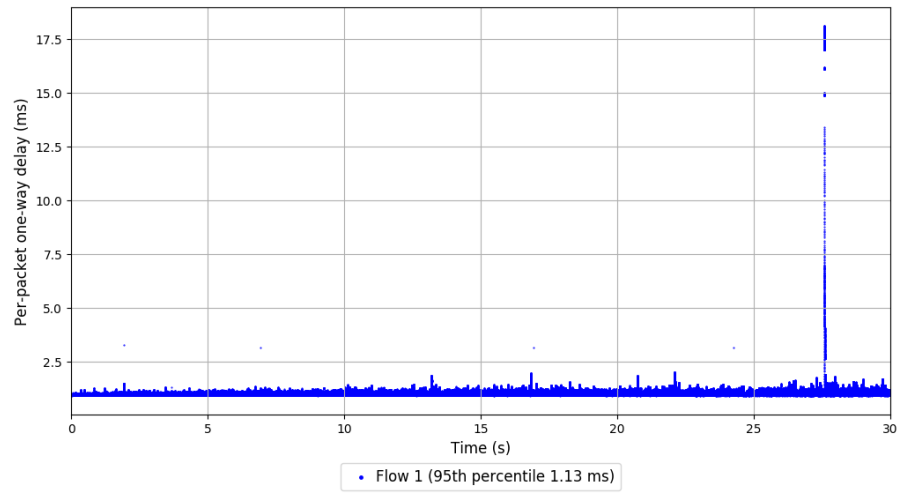
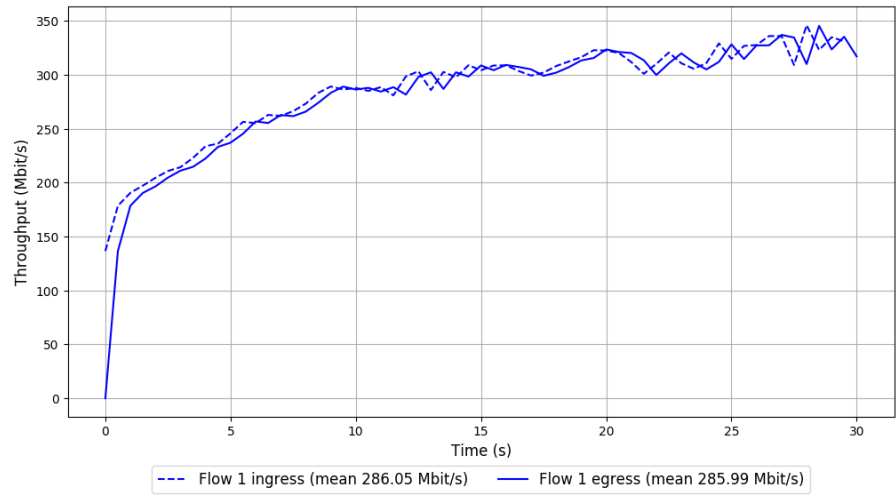
-- Flow 1:

Average throughput: 285.99 Mbit/s

95th percentile per-packet one-way delay: 1.128 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-01 16:33:01

End at: 2018-08-01 16:33:31

Local clock offset: 0.218 ms

Remote clock offset: 0.51 ms

Below is generated by plot.py at 2018-08-01 22:35:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.73 Mbit/s

95th percentile per-packet one-way delay: 6.087 ms

Loss rate: 0.00%

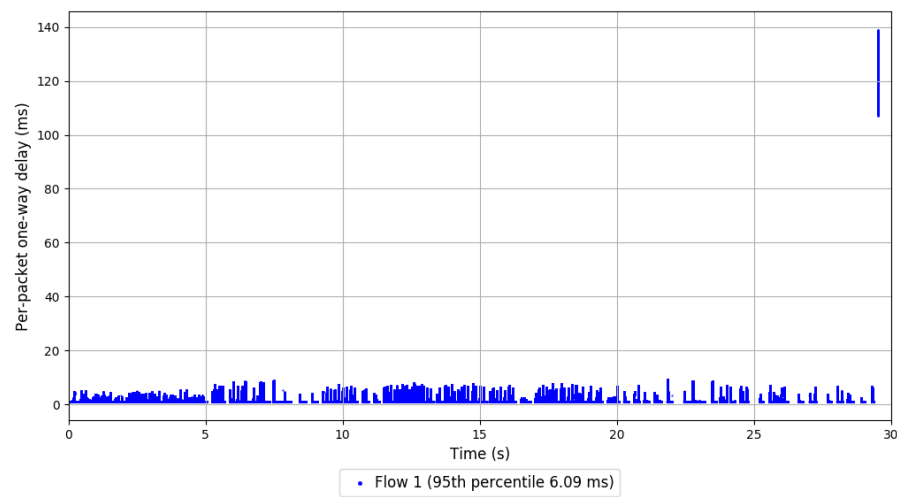
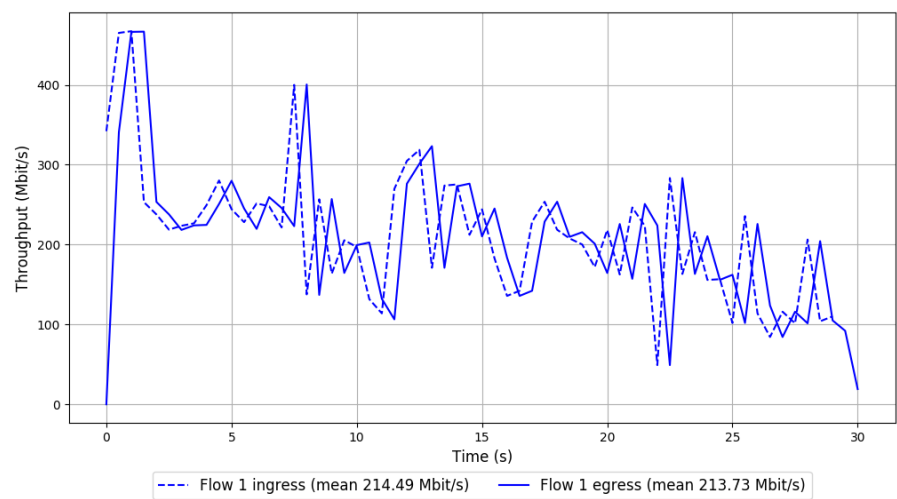
-- Flow 1:

Average throughput: 213.73 Mbit/s

95th percentile per-packet one-way delay: 6.087 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-01 16:58:56

End at: 2018-08-01 16:59:26

Local clock offset: 0.276 ms

Remote clock offset: 1.328 ms

Below is generated by plot.py at 2018-08-01 22:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.64 Mbit/s

95th percentile per-packet one-way delay: 5.832 ms

Loss rate: 0.05%

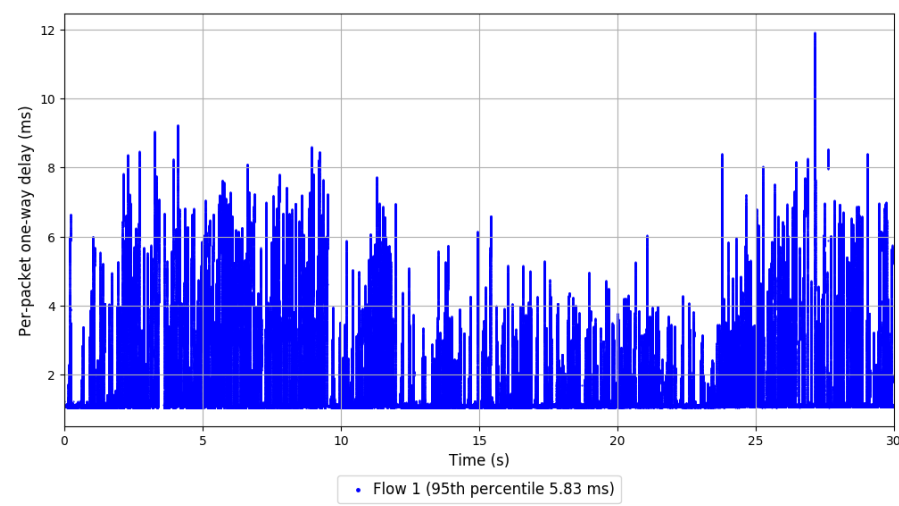
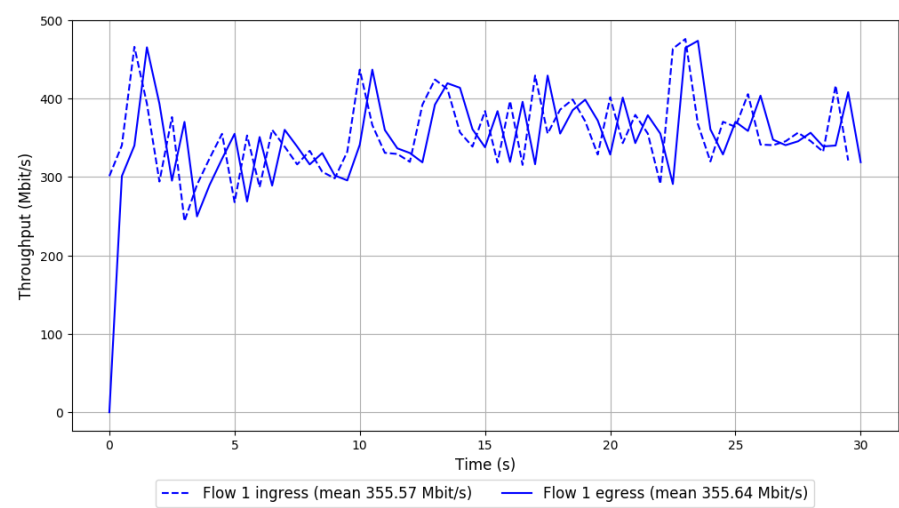
-- Flow 1:

Average throughput: 355.64 Mbit/s

95th percentile per-packet one-way delay: 5.832 ms

Loss rate: 0.05%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-01 17:24:55

End at: 2018-08-01 17:25:25

Local clock offset: -0.582 ms

Remote clock offset: -3.87 ms

Below is generated by plot.py at 2018-08-01 22:38:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.51 Mbit/s

95th percentile per-packet one-way delay: 6.100 ms

Loss rate: 0.06%

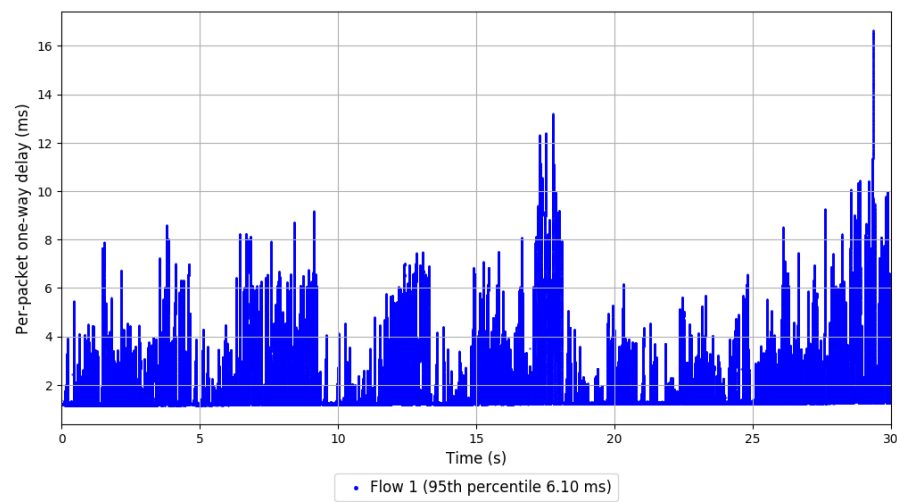
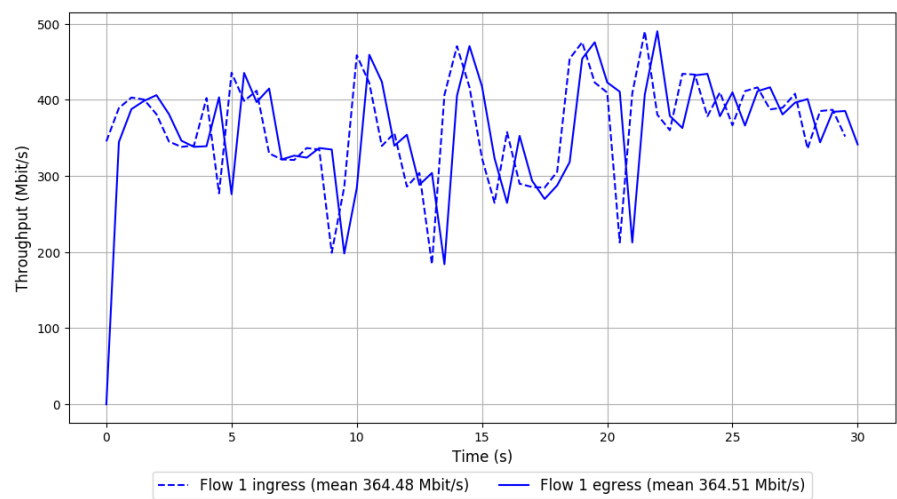
-- Flow 1:

Average throughput: 364.51 Mbit/s

95th percentile per-packet one-way delay: 6.100 ms

Loss rate: 0.06%

Run 3: Report of Verus — Data Link

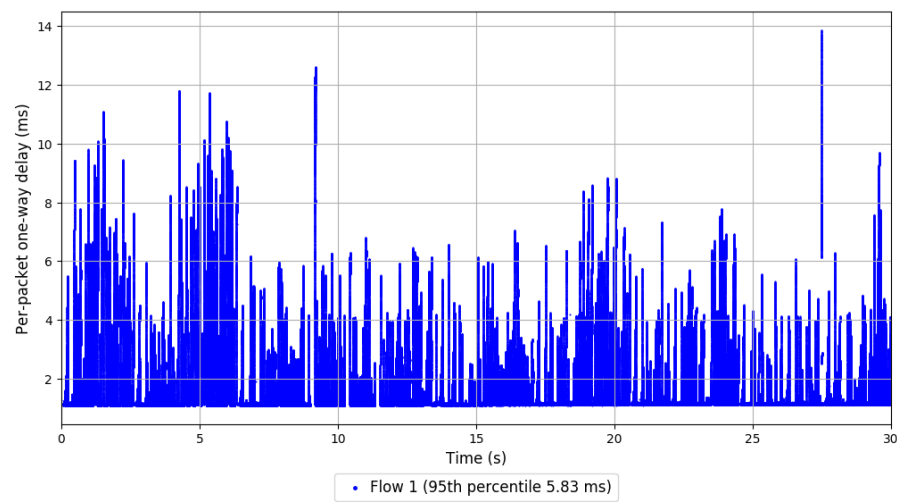
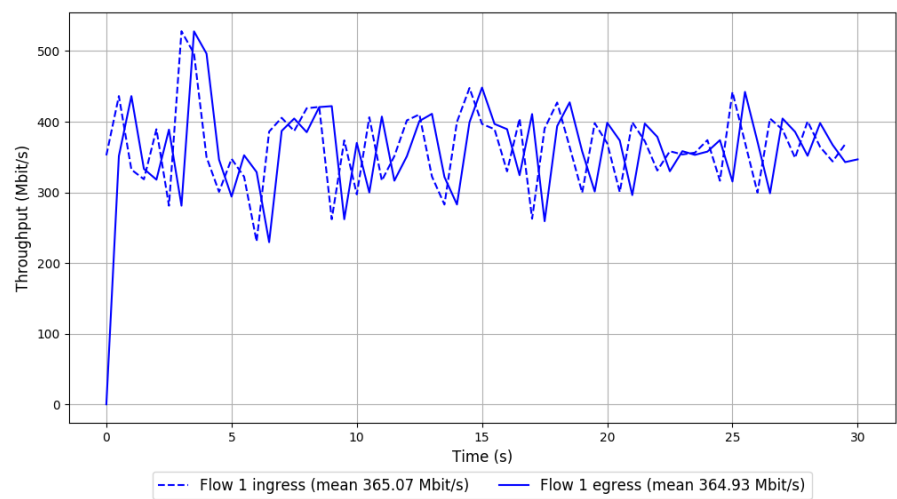


Run 4: Statistics of Verus

Start at: 2018-08-01 17:50:58
End at: 2018-08-01 17:51:28
Local clock offset: -3.886 ms
Remote clock offset: -3.559 ms

Below is generated by plot.py at 2018-08-01 22:38:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 364.93 Mbit/s
95th percentile per-packet one-way delay: 5.828 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 364.93 Mbit/s
95th percentile per-packet one-way delay: 5.828 ms
Loss rate: 0.11%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-01 18:17:01

End at: 2018-08-01 18:17:31

Local clock offset: -5.658 ms

Remote clock offset: -3.3 ms

Below is generated by plot.py at 2018-08-01 22:38:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.61 Mbit/s

95th percentile per-packet one-way delay: 6.316 ms

Loss rate: 0.03%

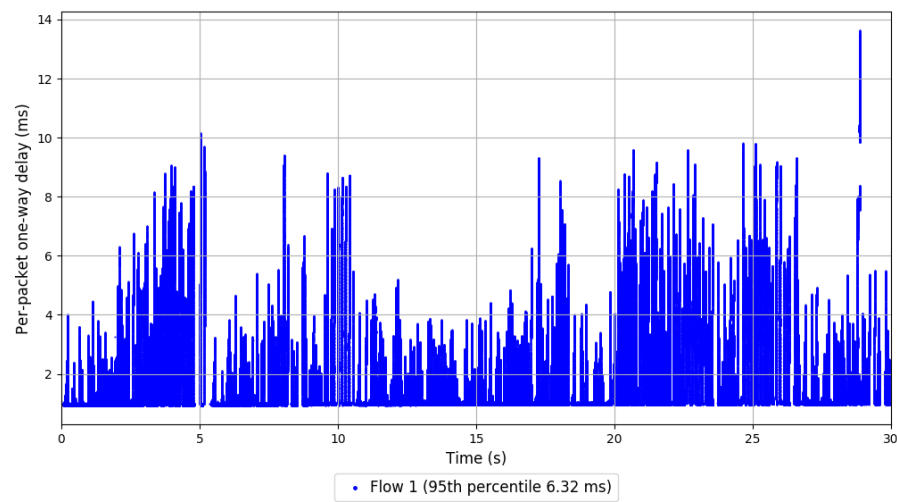
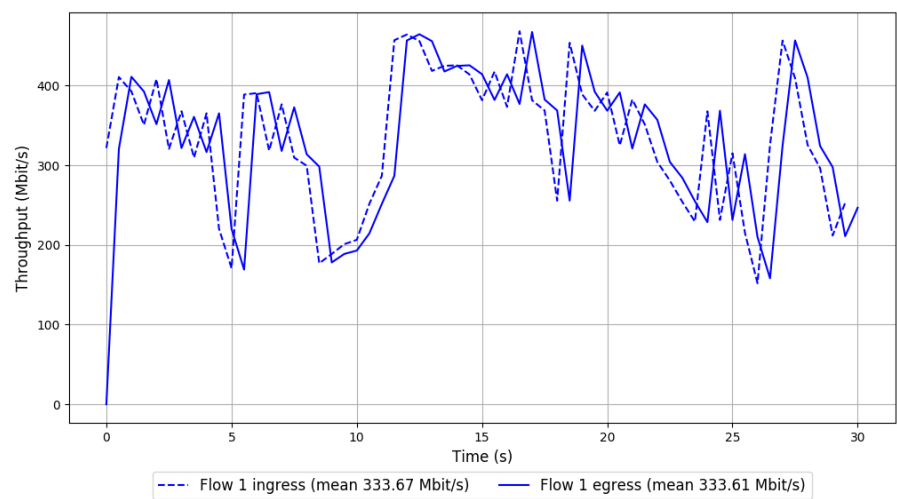
-- Flow 1:

Average throughput: 333.61 Mbit/s

95th percentile per-packet one-way delay: 6.316 ms

Loss rate: 0.03%

Run 5: Report of Verus — Data Link

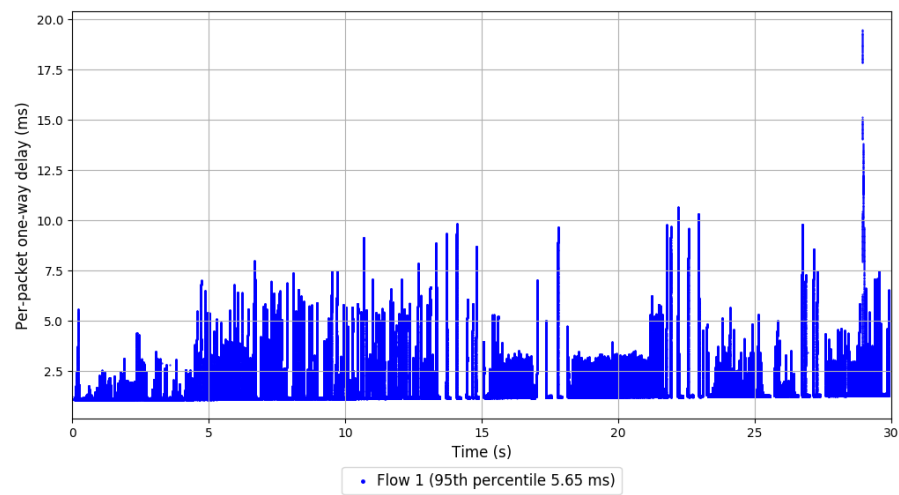
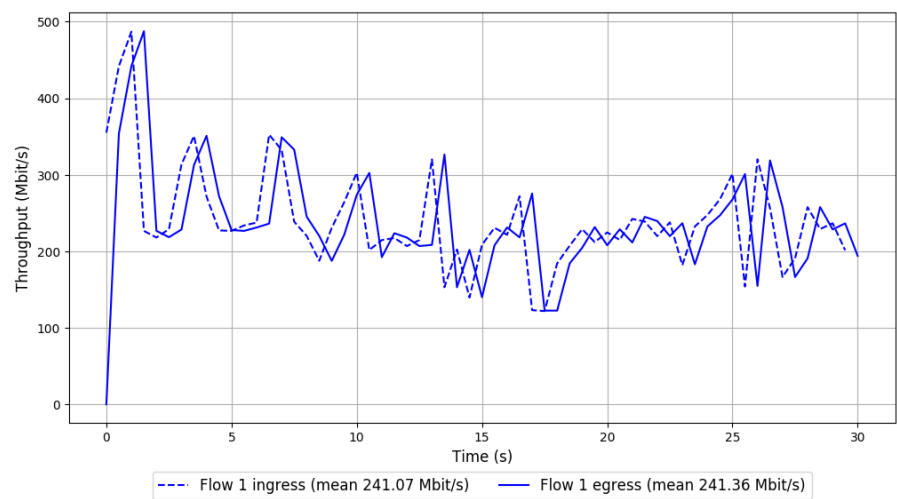


Run 6: Statistics of Verus

Start at: 2018-08-01 18:42:55
End at: 2018-08-01 18:43:25
Local clock offset: -7.268 ms
Remote clock offset: -3.394 ms

Below is generated by plot.py at 2018-08-01 22:38:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.36 Mbit/s
95th percentile per-packet one-way delay: 5.653 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 241.36 Mbit/s
95th percentile per-packet one-way delay: 5.653 ms
Loss rate: 0.05%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-01 19:08:50

End at: 2018-08-01 19:09:20

Local clock offset: 0.38 ms

Remote clock offset: 0.592 ms

Below is generated by plot.py at 2018-08-01 22:38:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.96 Mbit/s

95th percentile per-packet one-way delay: 9.130 ms

Loss rate: 0.03%

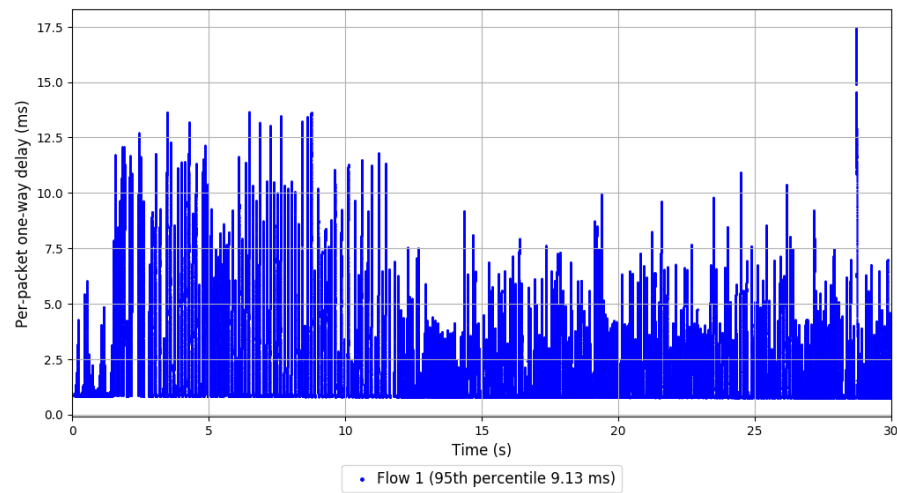
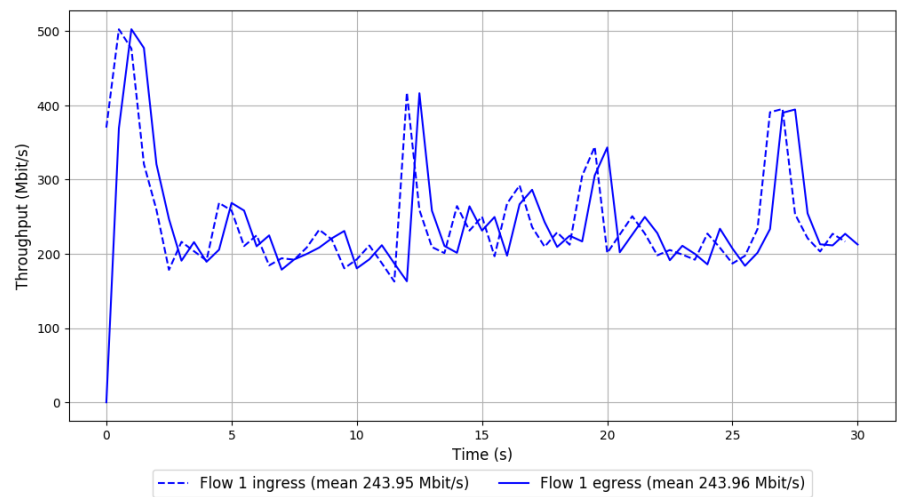
-- Flow 1:

Average throughput: 243.96 Mbit/s

95th percentile per-packet one-way delay: 9.130 ms

Loss rate: 0.03%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-01 19:34:46

End at: 2018-08-01 19:35:16

Local clock offset: 1.425 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-08-01 22:38:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.40 Mbit/s

95th percentile per-packet one-way delay: 6.608 ms

Loss rate: 0.16%

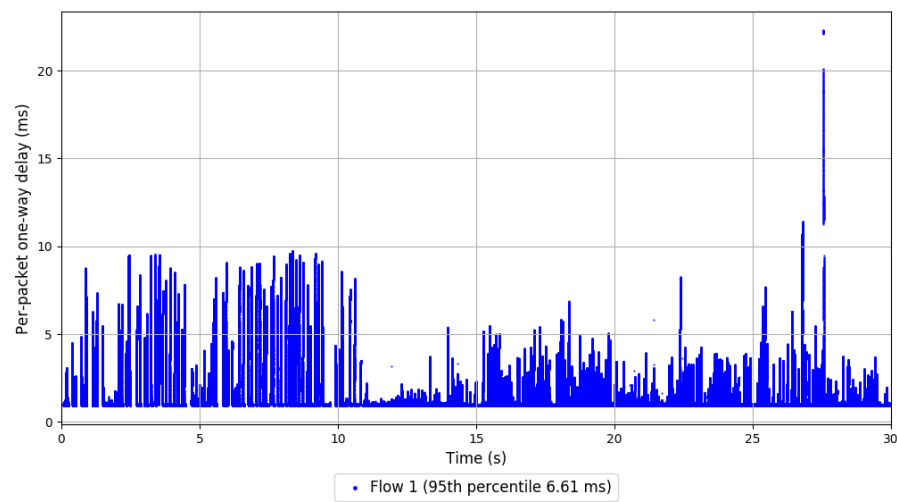
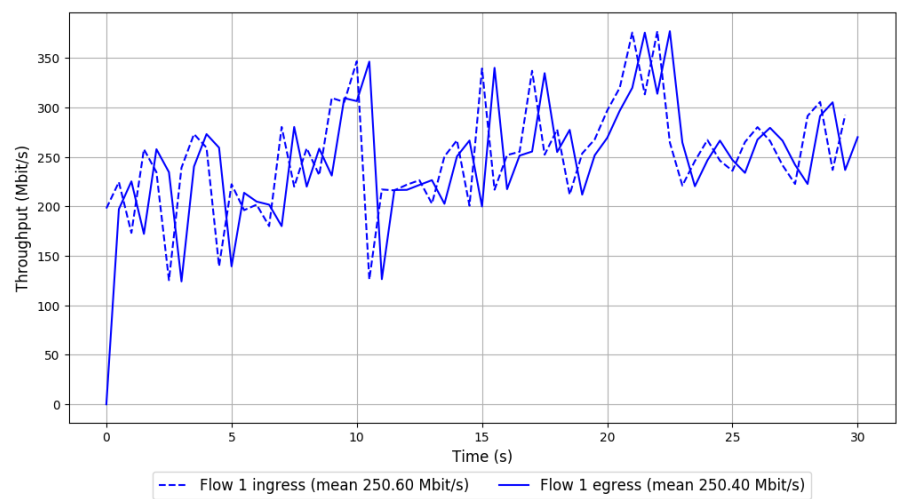
-- Flow 1:

Average throughput: 250.40 Mbit/s

95th percentile per-packet one-way delay: 6.608 ms

Loss rate: 0.16%

Run 8: Report of Verus — Data Link

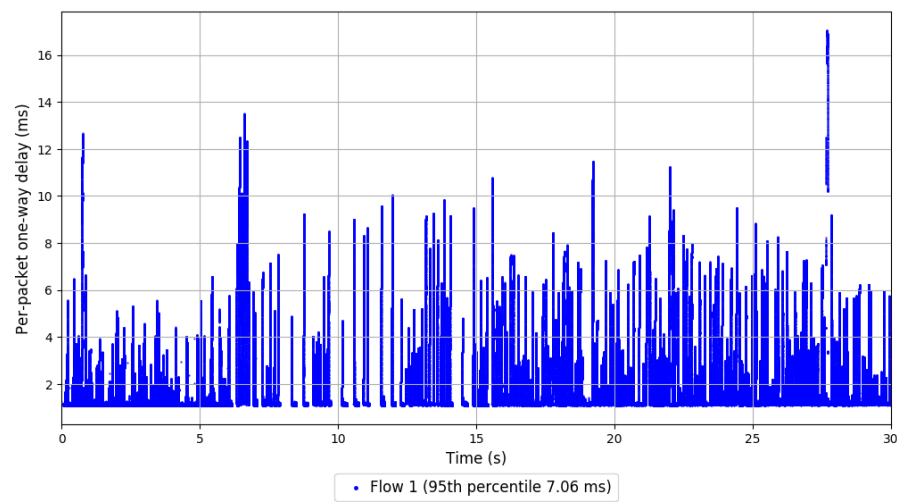
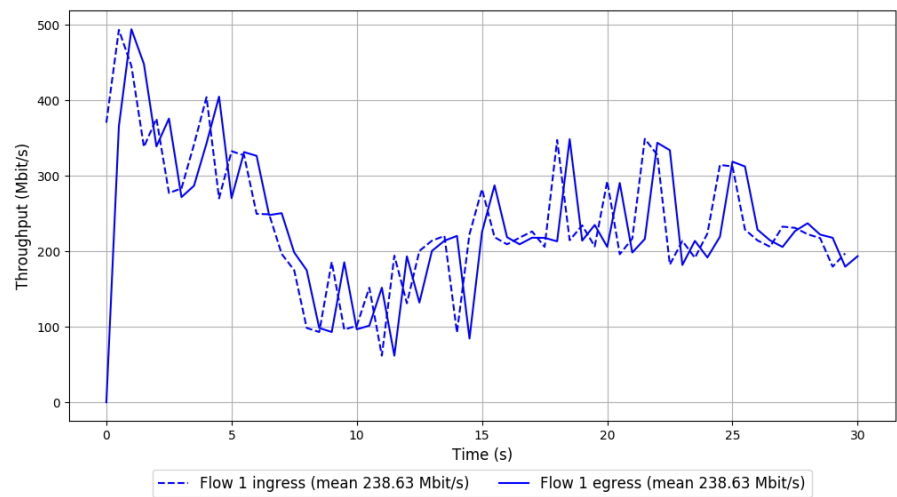


Run 9: Statistics of Verus

Start at: 2018-08-01 20:00:43
End at: 2018-08-01 20:01:13
Local clock offset: 1.209 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-01 22:38:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.63 Mbit/s
95th percentile per-packet one-way delay: 7.062 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 238.63 Mbit/s
95th percentile per-packet one-way delay: 7.062 ms
Loss rate: 0.03%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-01 20:26:35

End at: 2018-08-01 20:27:05

Local clock offset: 0.908 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-08-01 22:39:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.76 Mbit/s

95th percentile per-packet one-way delay: 2.902 ms

Loss rate: 0.05%

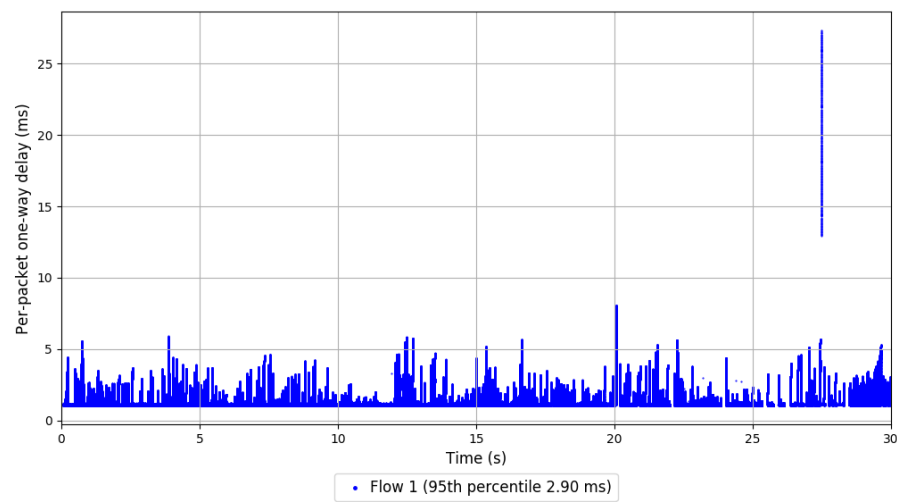
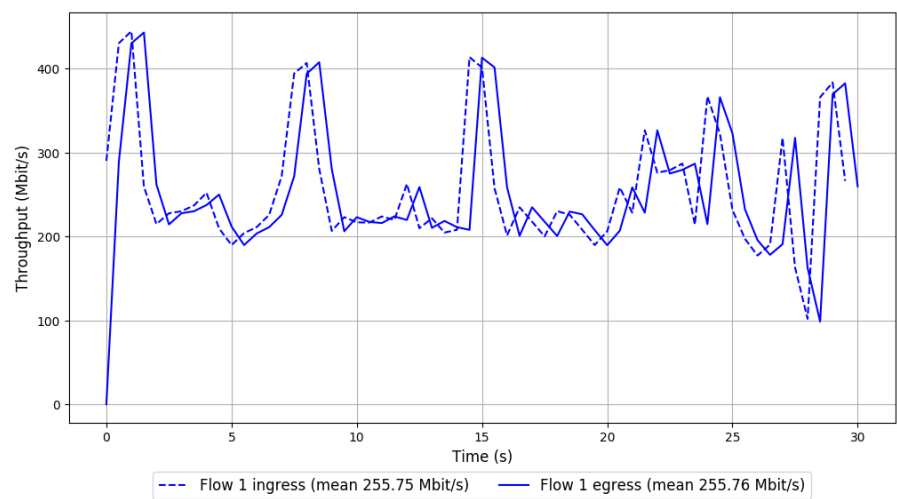
-- Flow 1:

Average throughput: 255.76 Mbit/s

95th percentile per-packet one-way delay: 2.902 ms

Loss rate: 0.05%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 16:42:18

End at: 2018-08-01 16:42:48

Local clock offset: 0.139 ms

Remote clock offset: 0.784 ms

Below is generated by plot.py at 2018-08-01 22:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.94 Mbit/s

95th percentile per-packet one-way delay: 0.990 ms

Loss rate: 0.05%

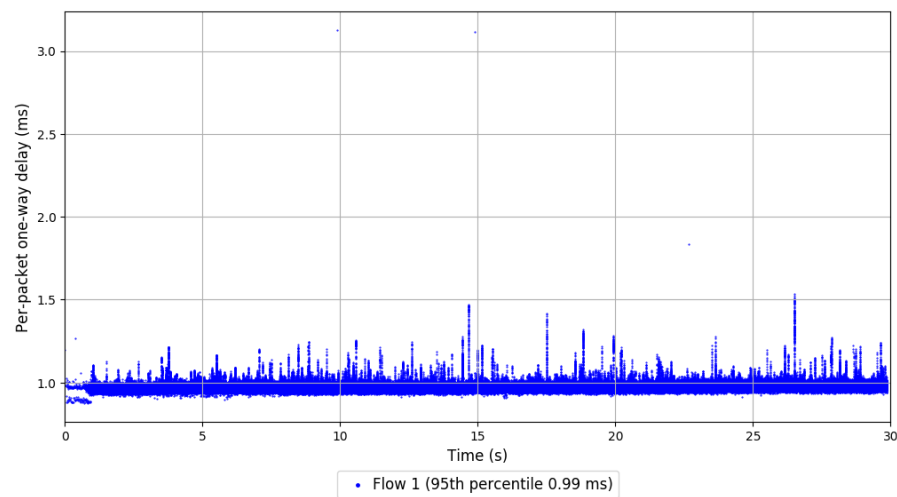
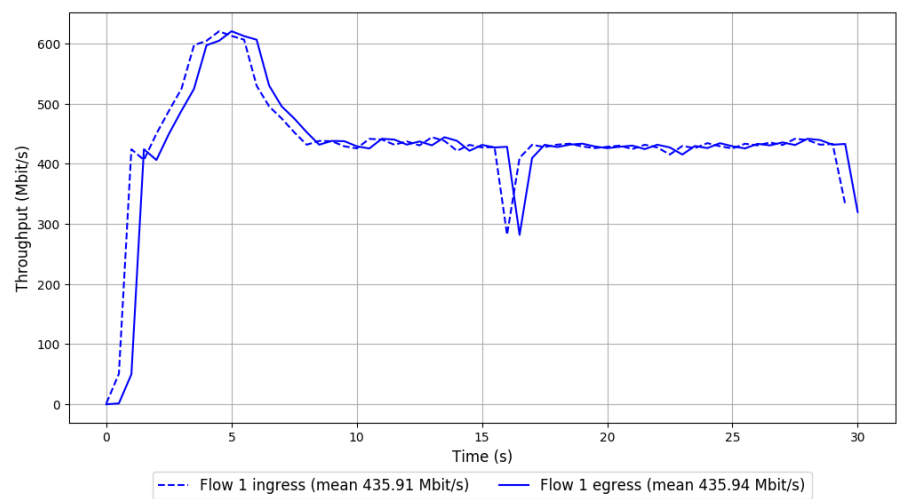
-- Flow 1:

Average throughput: 435.94 Mbit/s

95th percentile per-packet one-way delay: 0.990 ms

Loss rate: 0.05%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 17:08:23

End at: 2018-08-01 17:08:53

Local clock offset: 0.157 ms

Remote clock offset: -1.473 ms

Below is generated by plot.py at 2018-08-01 22:42:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 452.32 Mbit/s

95th percentile per-packet one-way delay: 0.912 ms

Loss rate: 0.06%

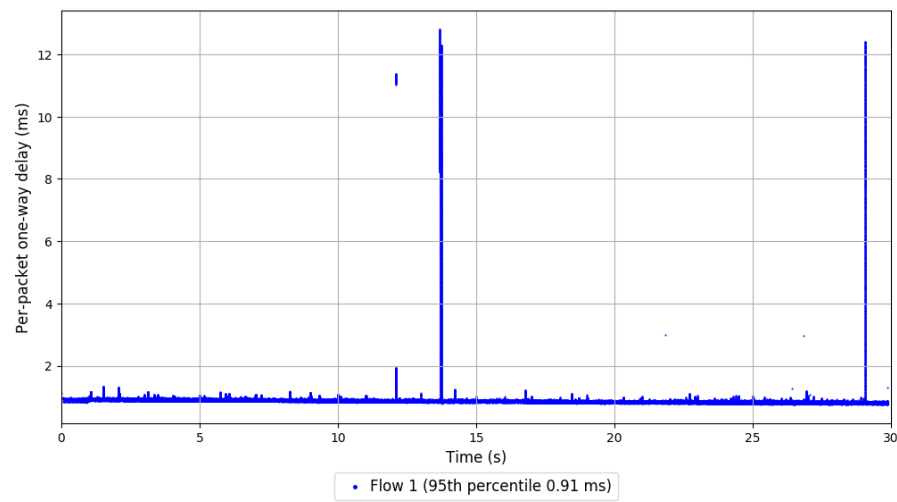
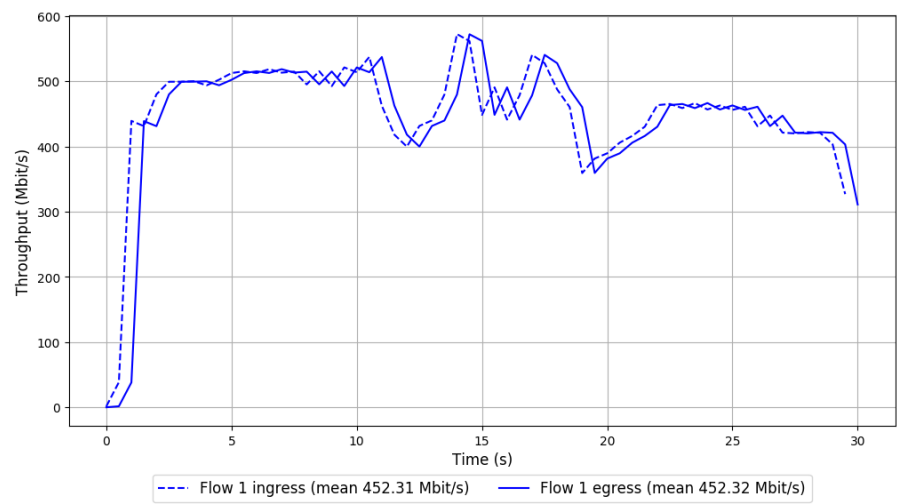
-- Flow 1:

Average throughput: 452.32 Mbit/s

95th percentile per-packet one-way delay: 0.912 ms

Loss rate: 0.06%

Run 2: Report of PCC-Vivace — Data Link

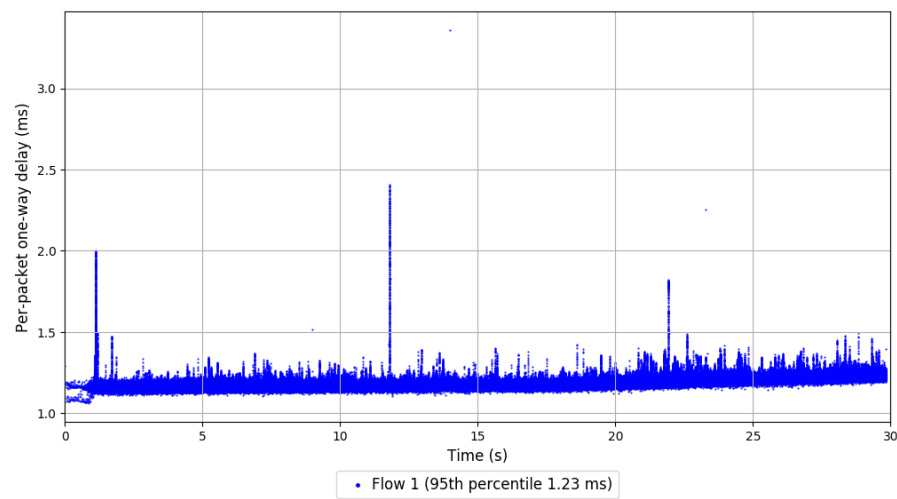
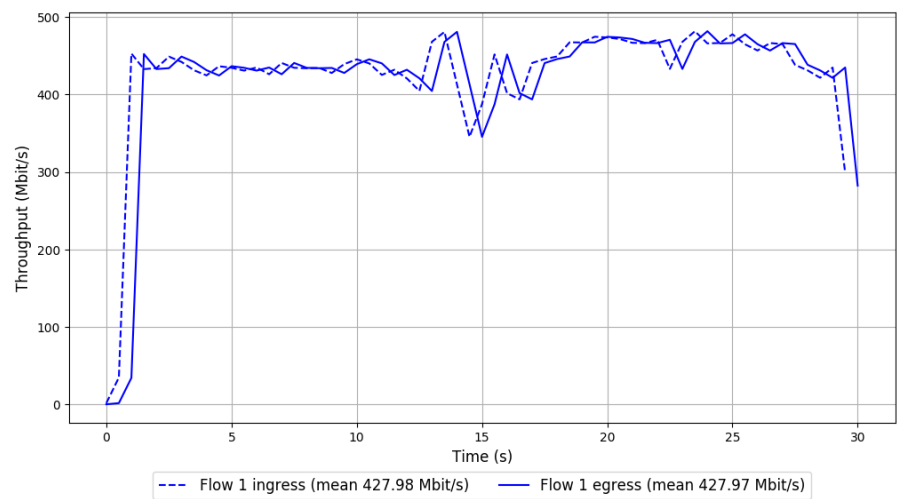


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 17:34:23
End at: 2018-08-01 17:34:53
Local clock offset: -2.453 ms
Remote clock offset: -4.535 ms

Below is generated by plot.py at 2018-08-01 22:42:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 427.97 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 427.97 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.07%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 18:00:27

End at: 2018-08-01 18:00:57

Local clock offset: -4.451 ms

Remote clock offset: -3.59 ms

Below is generated by plot.py at 2018-08-01 22:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.45 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.08%

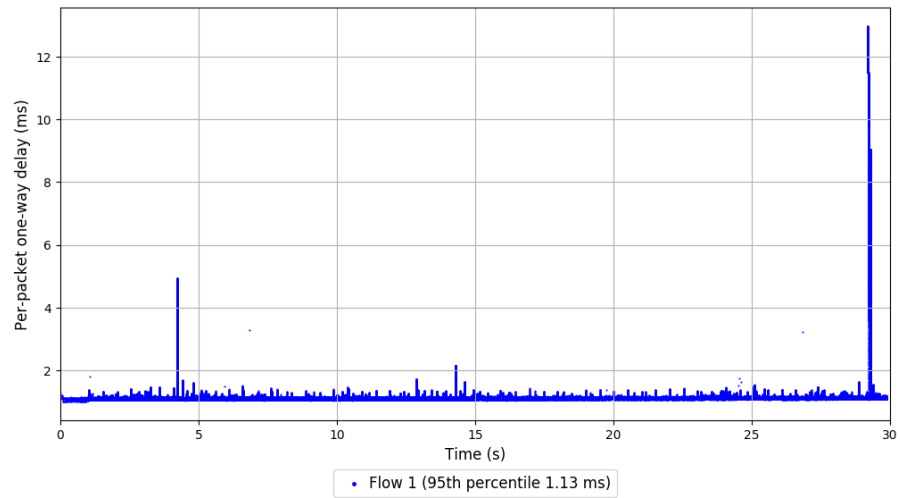
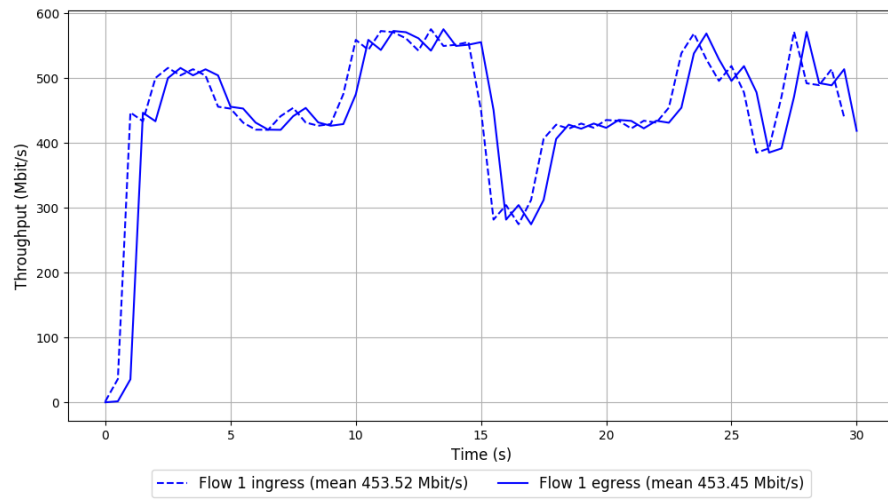
-- Flow 1:

Average throughput: 453.45 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link

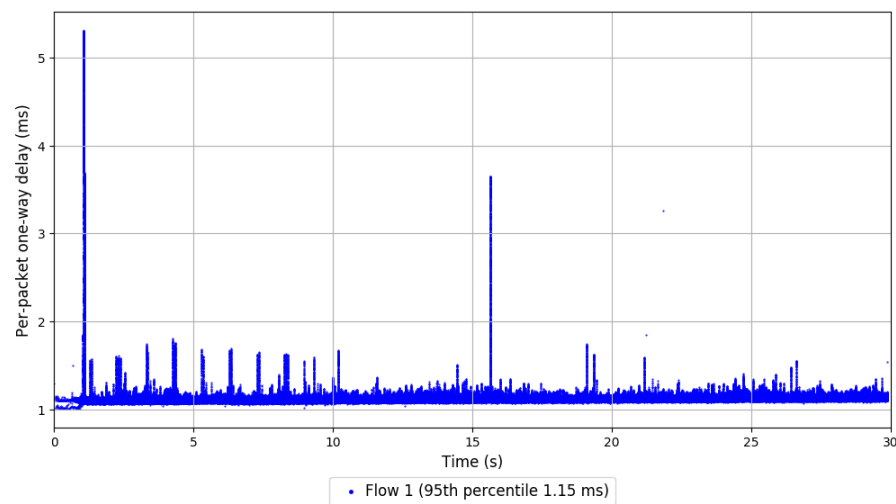
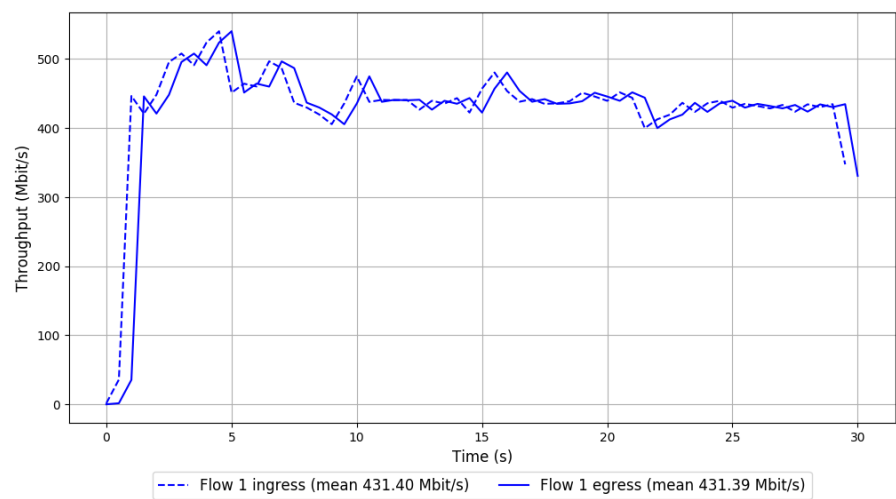


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 18:26:22
End at: 2018-08-01 18:26:52
Local clock offset: -6.173 ms
Remote clock offset: -3.211 ms

Below is generated by plot.py at 2018-08-01 22:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 431.39 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 431.39 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.07%

Run 5: Report of PCC-Vivace — Data Link

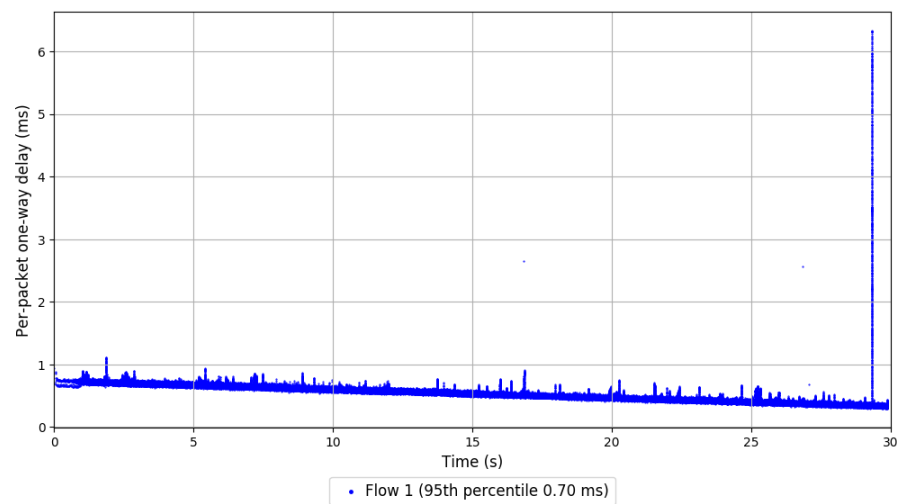
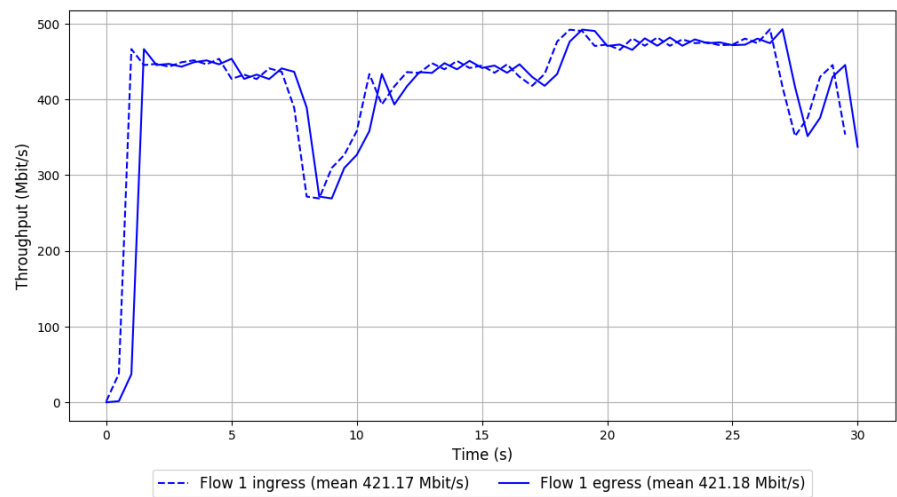


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 18:52:14
End at: 2018-08-01 18:52:44
Local clock offset: -7.847 ms
Remote clock offset: -0.905 ms

Below is generated by plot.py at 2018-08-01 22:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 421.18 Mbit/s
95th percentile per-packet one-way delay: 0.698 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 421.18 Mbit/s
95th percentile per-packet one-way delay: 0.698 ms
Loss rate: 0.07%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 19:18:13

End at: 2018-08-01 19:18:43

Local clock offset: 2.048 ms

Remote clock offset: 0.811 ms

Below is generated by plot.py at 2018-08-01 22:43:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.43 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.08%

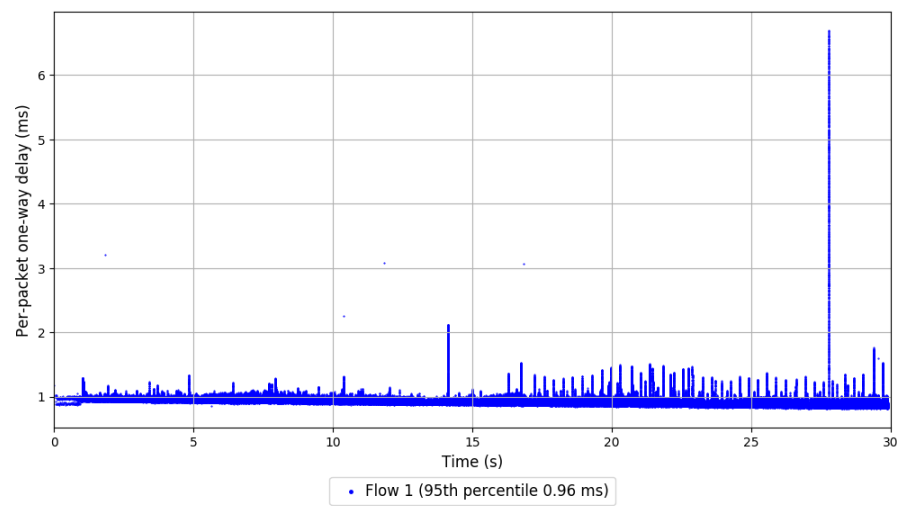
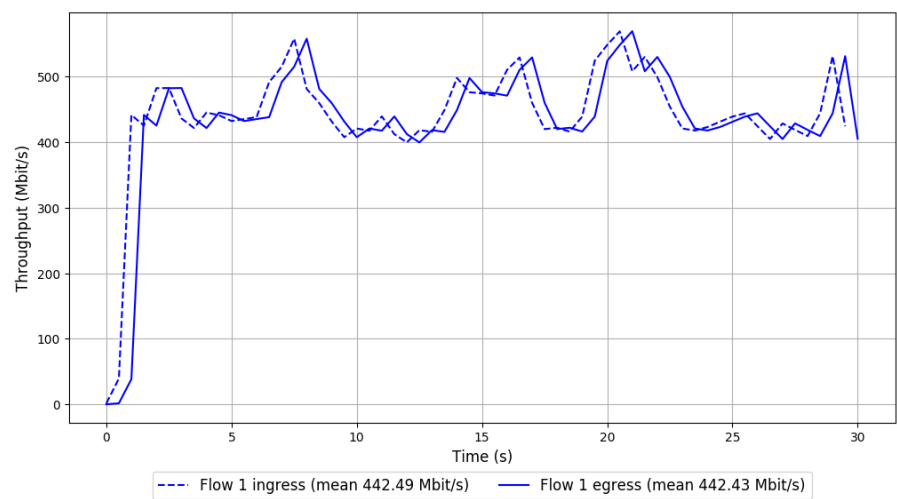
-- Flow 1:

Average throughput: 442.43 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.08%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 19:44:07

End at: 2018-08-01 19:44:37

Local clock offset: 1.74 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-01 22:43:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 414.96 Mbit/s

95th percentile per-packet one-way delay: 1.051 ms

Loss rate: 0.07%

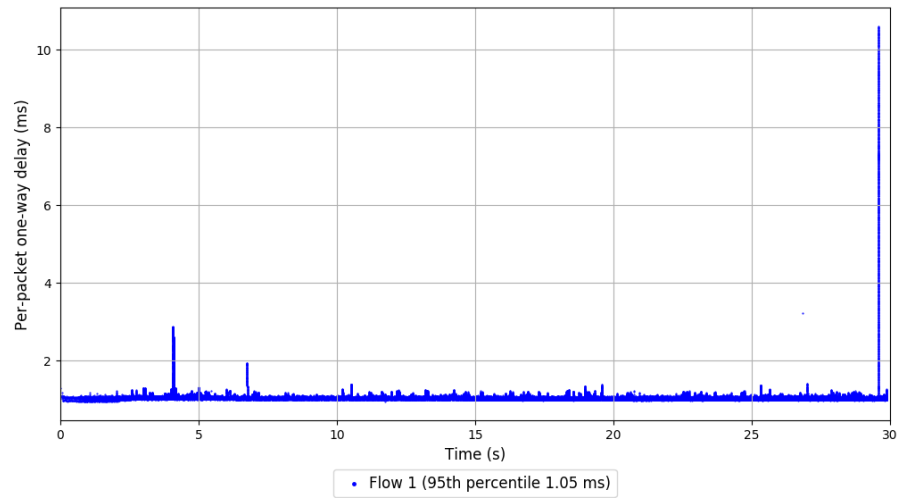
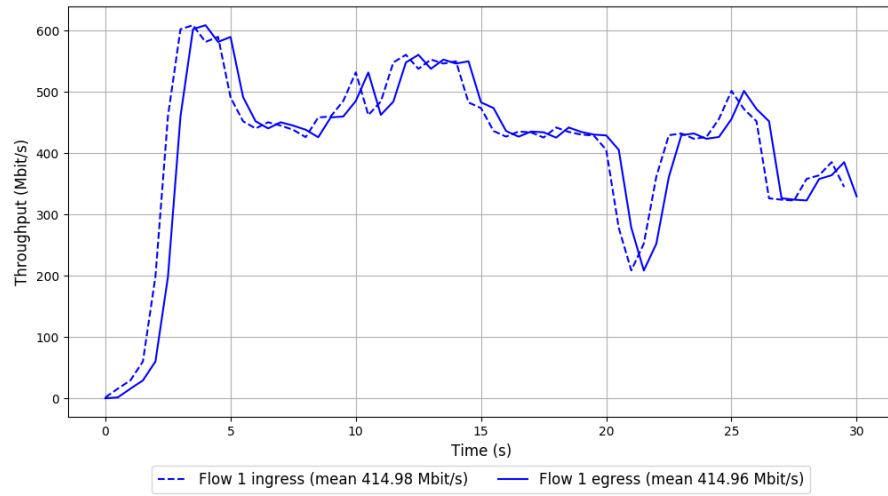
-- Flow 1:

Average throughput: 414.96 Mbit/s

95th percentile per-packet one-way delay: 1.051 ms

Loss rate: 0.07%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 20:10:05

End at: 2018-08-01 20:10:35

Local clock offset: 1.019 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-08-01 22:44:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 409.57 Mbit/s

95th percentile per-packet one-way delay: 0.972 ms

Loss rate: 0.07%

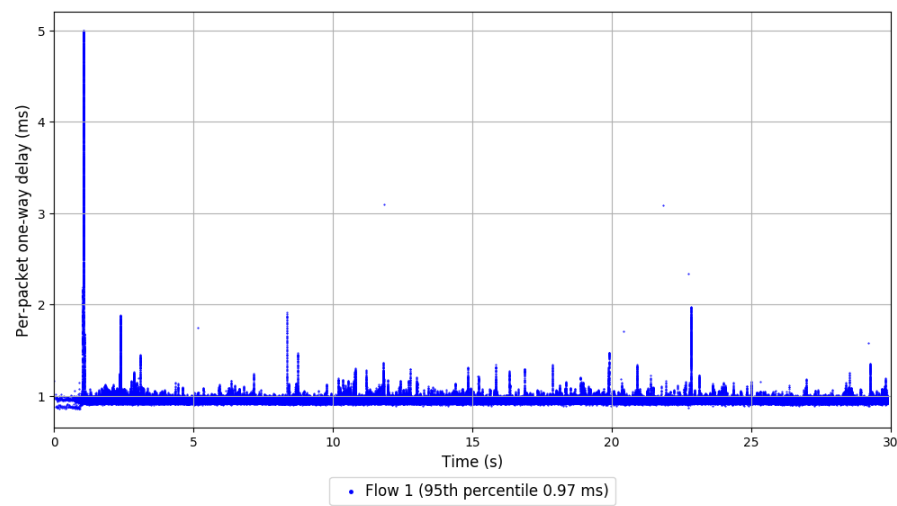
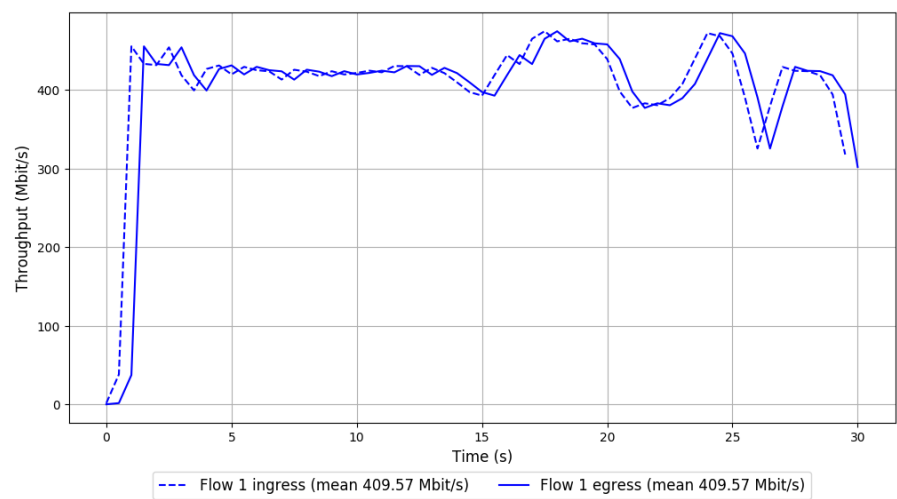
-- Flow 1:

Average throughput: 409.57 Mbit/s

95th percentile per-packet one-way delay: 0.972 ms

Loss rate: 0.07%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 20:35:59

End at: 2018-08-01 20:36:29

Local clock offset: 0.569 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-01 22:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 431.31 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.06%

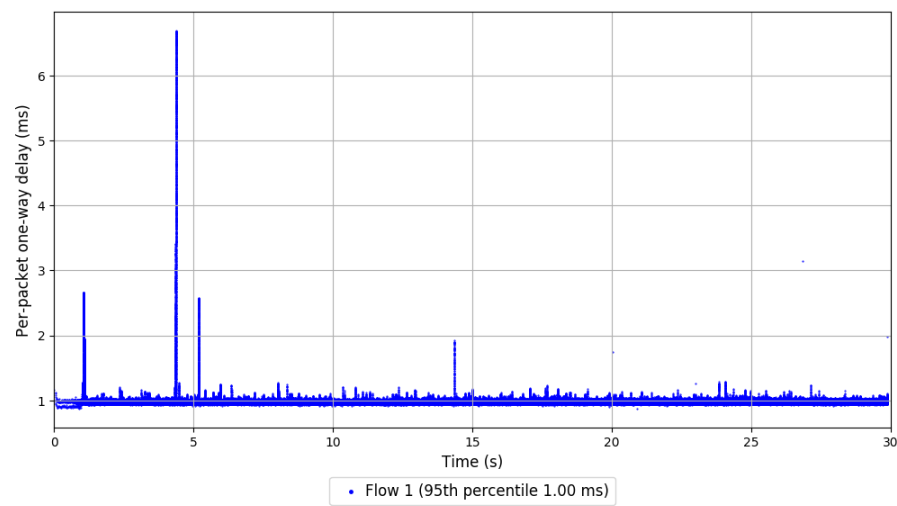
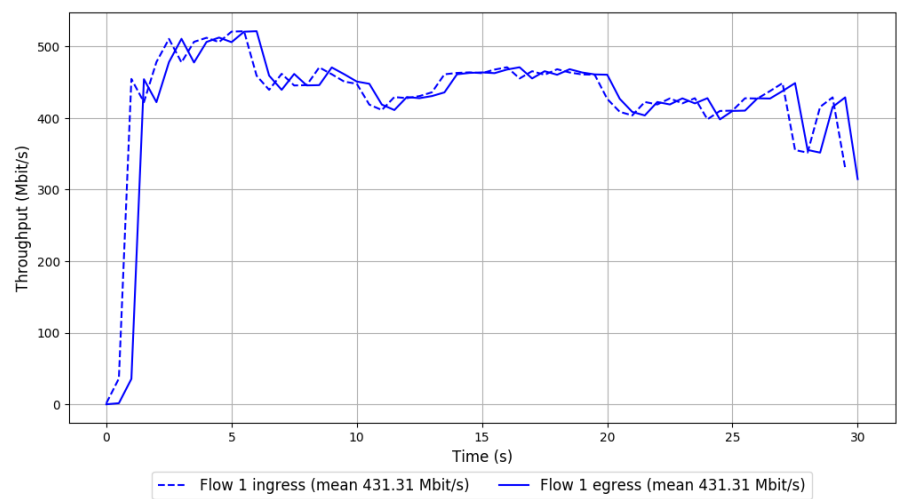
-- Flow 1:

Average throughput: 431.31 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.06%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-01 16:34:27

End at: 2018-08-01 16:34:57

Local clock offset: 0.216 ms

Remote clock offset: 0.528 ms

Below is generated by plot.py at 2018-08-01 22:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 1.182 ms

Loss rate: 0.07%

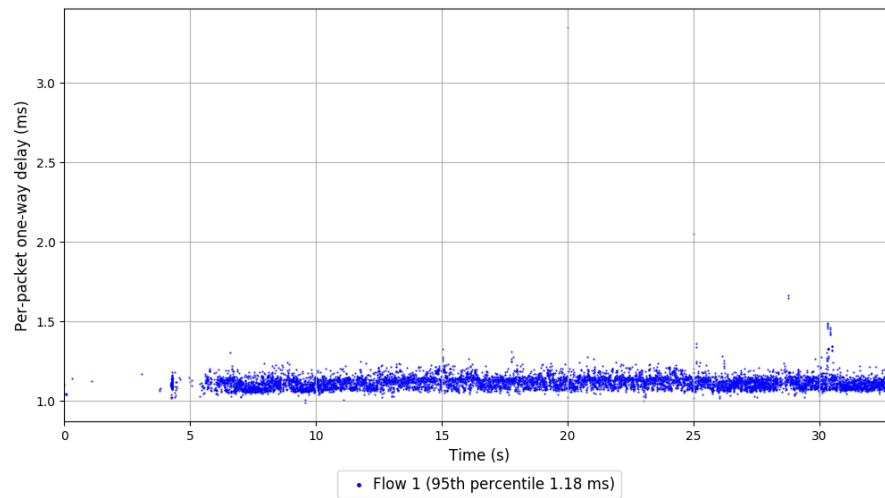
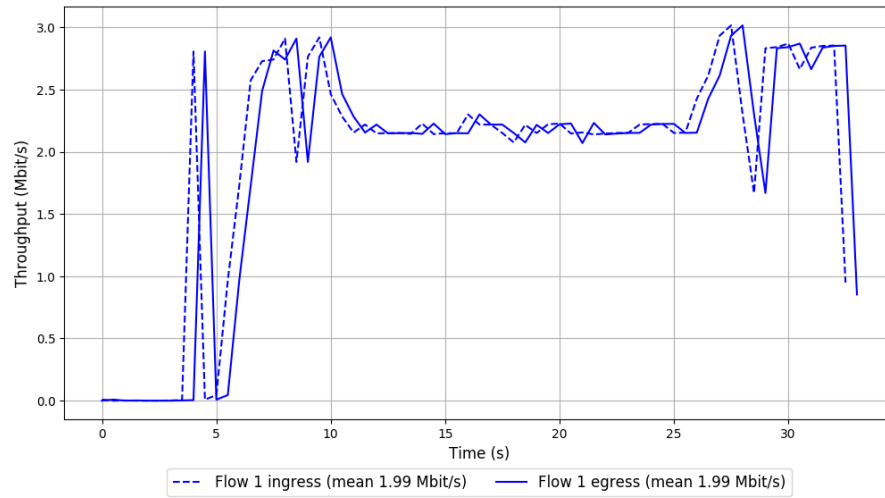
-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 1.182 ms

Loss rate: 0.07%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-01 17:00:28

End at: 2018-08-01 17:00:59

Local clock offset: 0.177 ms

Remote clock offset: 1.465 ms

Below is generated by plot.py at 2018-08-01 22:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 0.932 ms

Loss rate: 0.07%

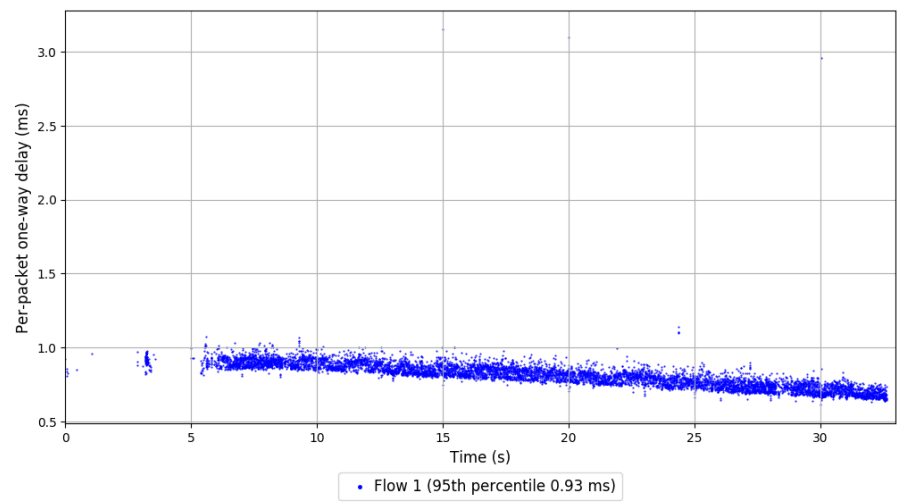
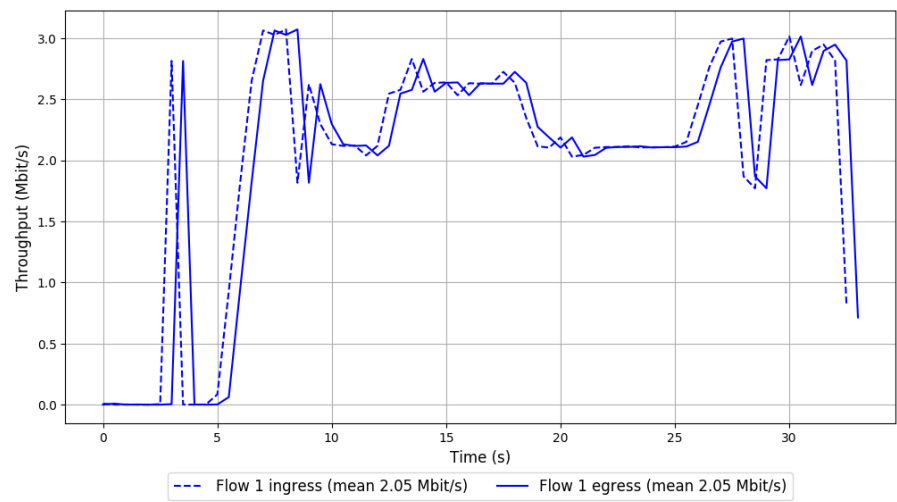
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 0.932 ms

Loss rate: 0.07%

Run 2: Report of WebRTC media — Data Link

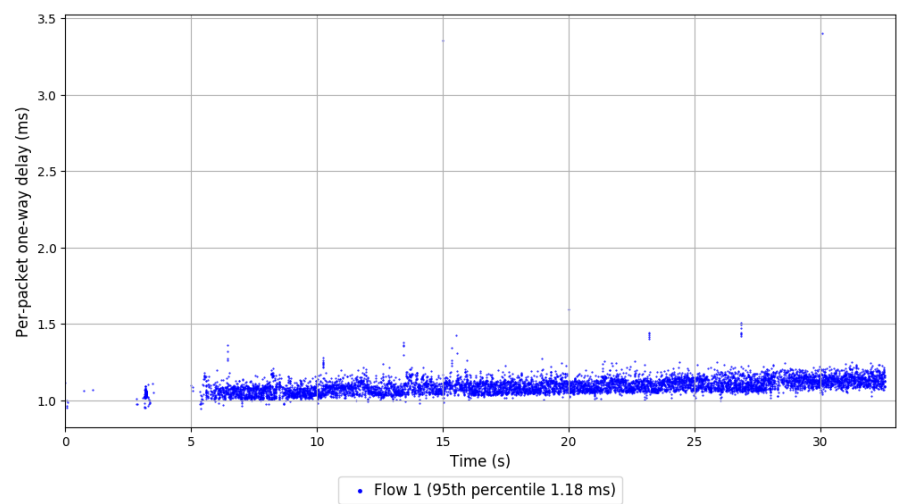
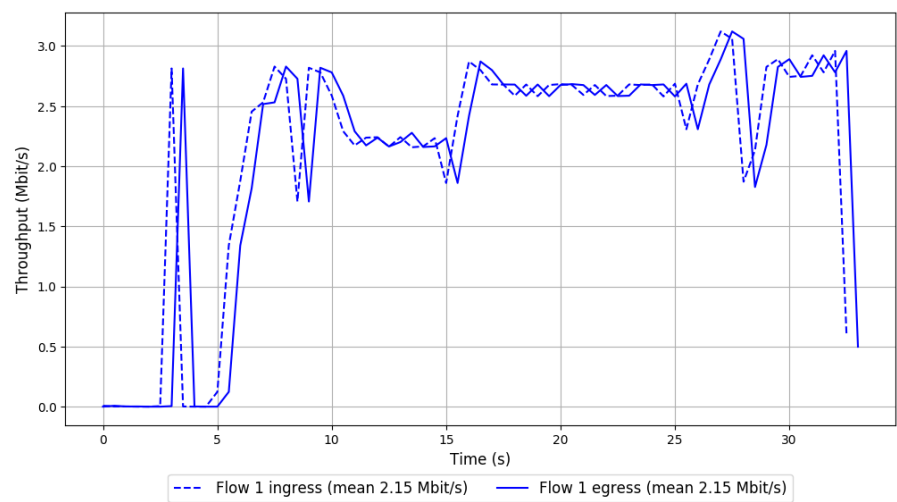


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 17:26:28
End at: 2018-08-01 17:26:58
Local clock offset: -1.048 ms
Remote clock offset: -3.889 ms

Below is generated by plot.py at 2018-08-01 22:44:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.07%

Run 3: Report of WebRTC media — Data Link

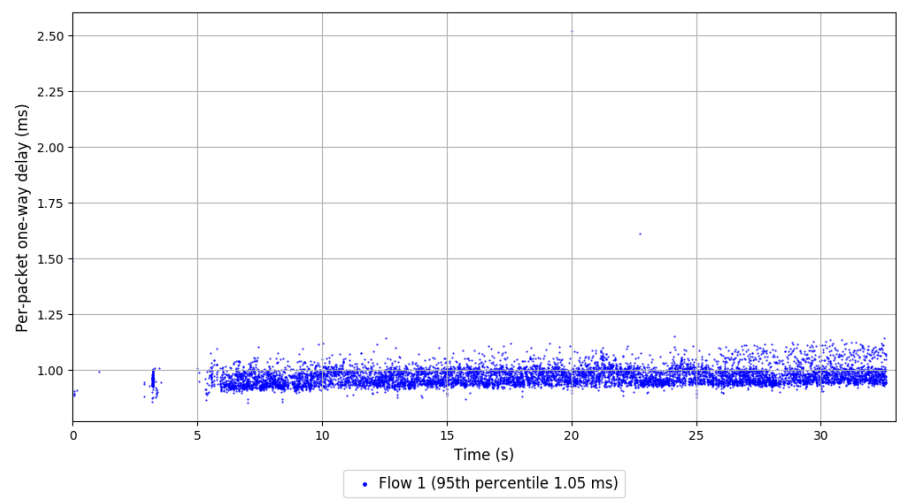
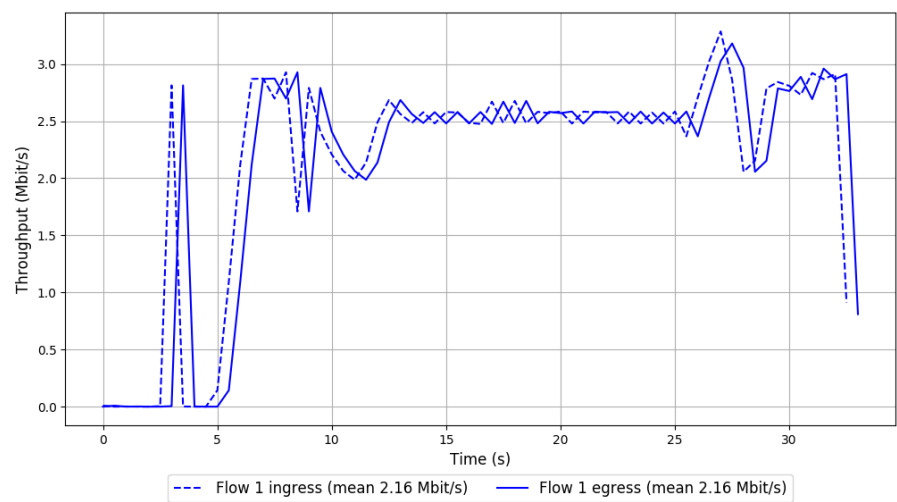


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 17:52:31
End at: 2018-08-01 17:53:01
Local clock offset: -4.049 ms
Remote clock offset: -3.476 ms

Below is generated by plot.py at 2018-08-01 22:44:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.07%

Run 4: Report of WebRTC media — Data Link

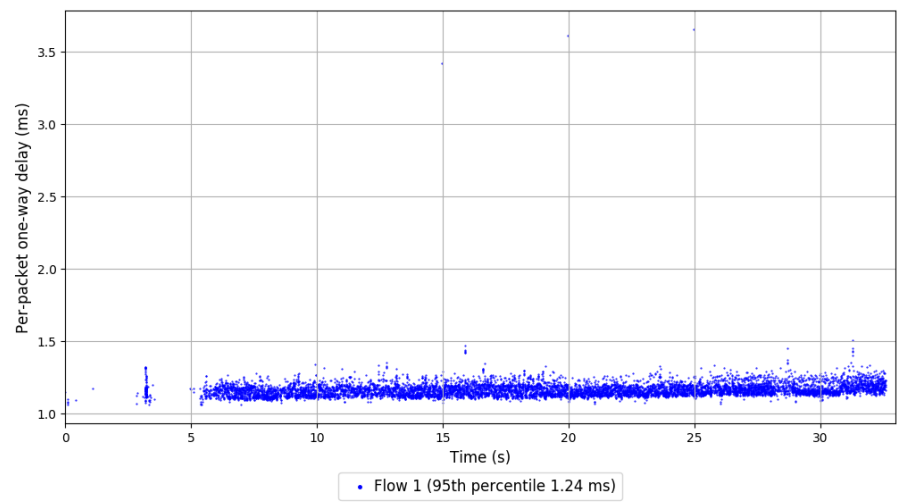
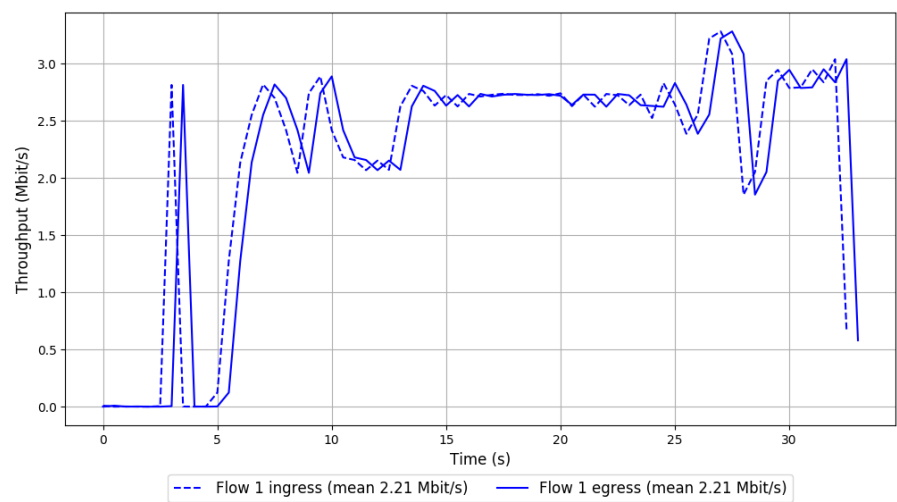


Run 5: Statistics of WebRTC media

Start at: 2018-08-01 18:18:33
End at: 2018-08-01 18:19:03
Local clock offset: -5.644 ms
Remote clock offset: -3.318 ms

Below is generated by plot.py at 2018-08-01 22:44:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.07%

Run 5: Report of WebRTC media — Data Link

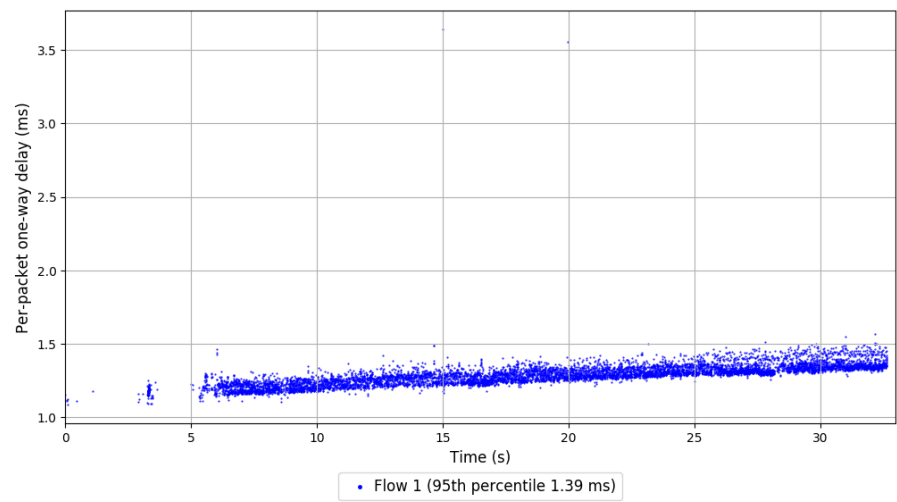
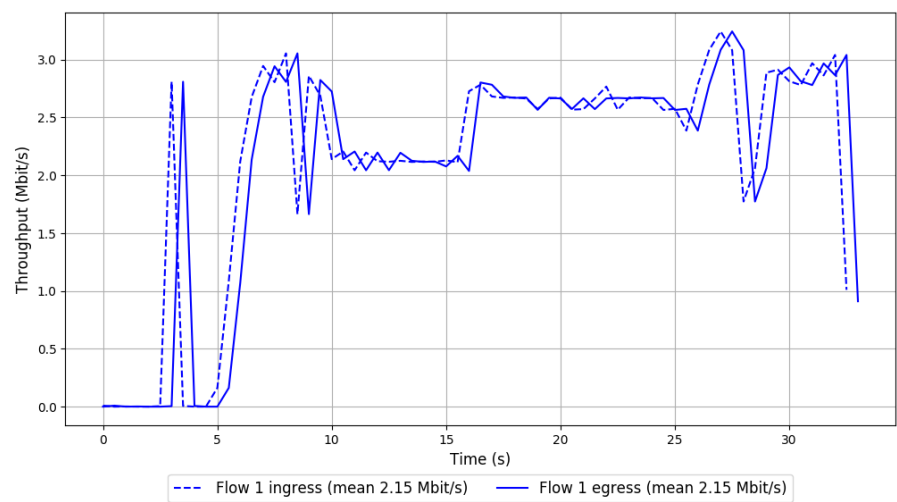


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 18:44:23
End at: 2018-08-01 18:44:53
Local clock offset: -7.343 ms
Remote clock offset: -2.904 ms

Below is generated by plot.py at 2018-08-01 22:44:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 1.393 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 1.393 ms
Loss rate: 0.07%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-01 19:10:18

End at: 2018-08-01 19:10:48

Local clock offset: 0.701 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2018-08-01 22:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.14%

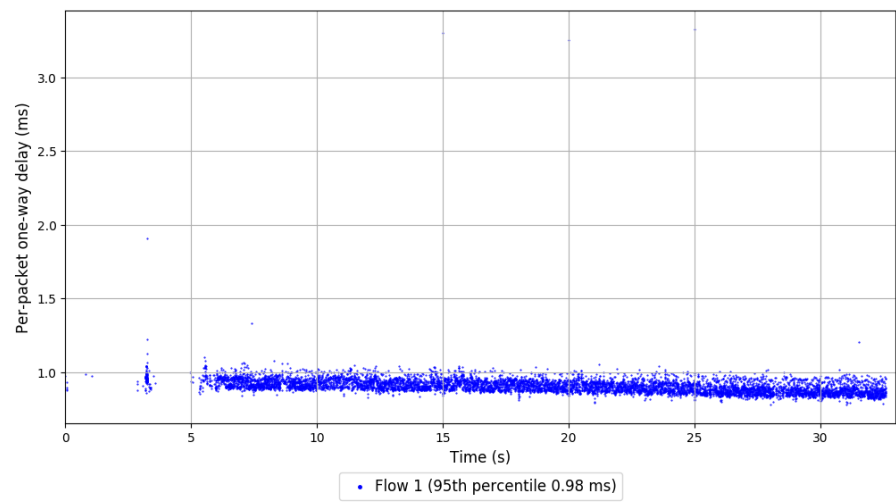
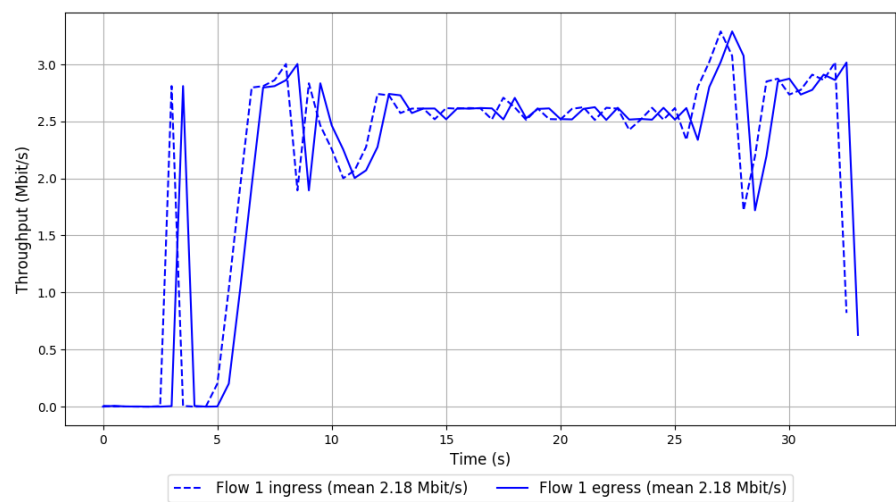
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.14%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-01 19:36:14

End at: 2018-08-01 19:36:45

Local clock offset: 1.422 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-08-01 22:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.08%

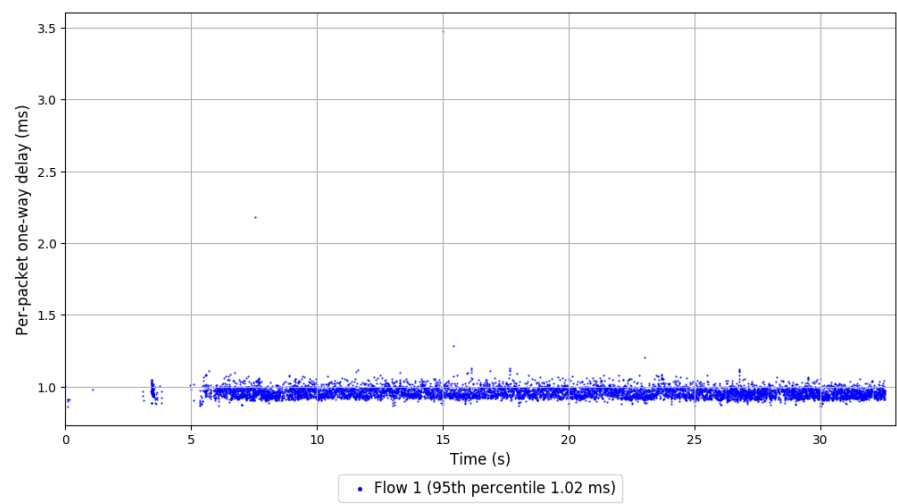
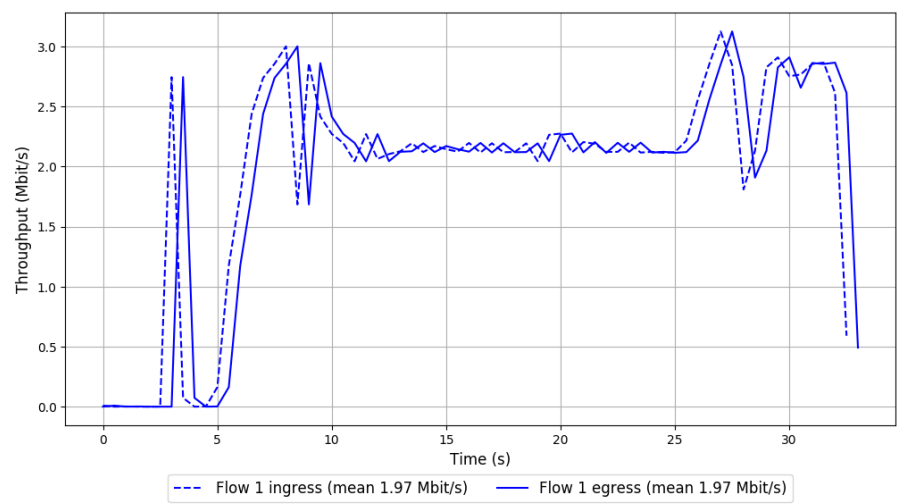
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.08%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-01 20:02:10

End at: 2018-08-01 20:02:40

Local clock offset: 1.127 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-08-01 22:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 1.064 ms

Loss rate: 0.07%

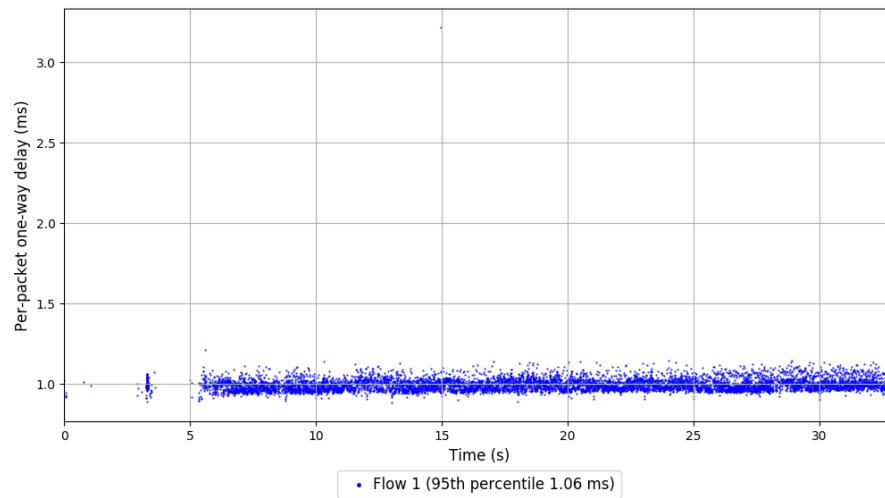
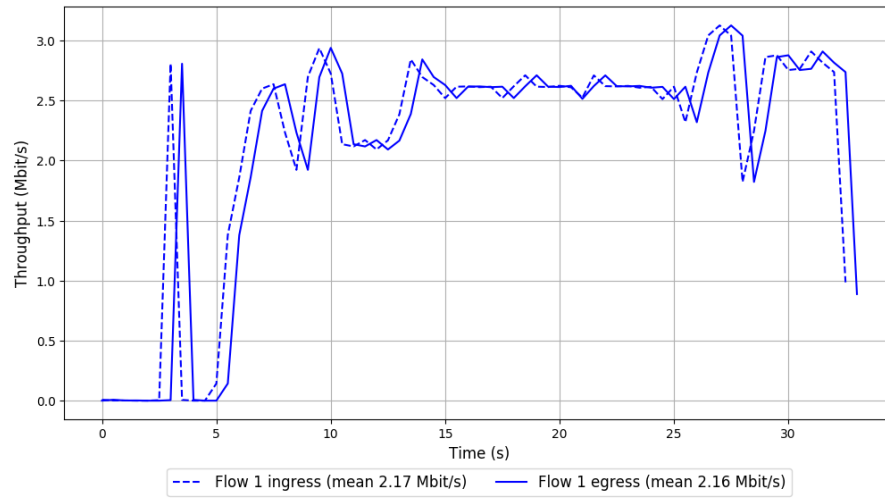
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 1.064 ms

Loss rate: 0.07%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 20:28:04

End at: 2018-08-01 20:28:34

Local clock offset: 0.805 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-01 22:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 1.204 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 1.204 ms

Loss rate: 0.07%

Run 10: Report of WebRTC media — Data Link

