

Pantheon Report

Generated at 2018-08-09 20:59:26 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

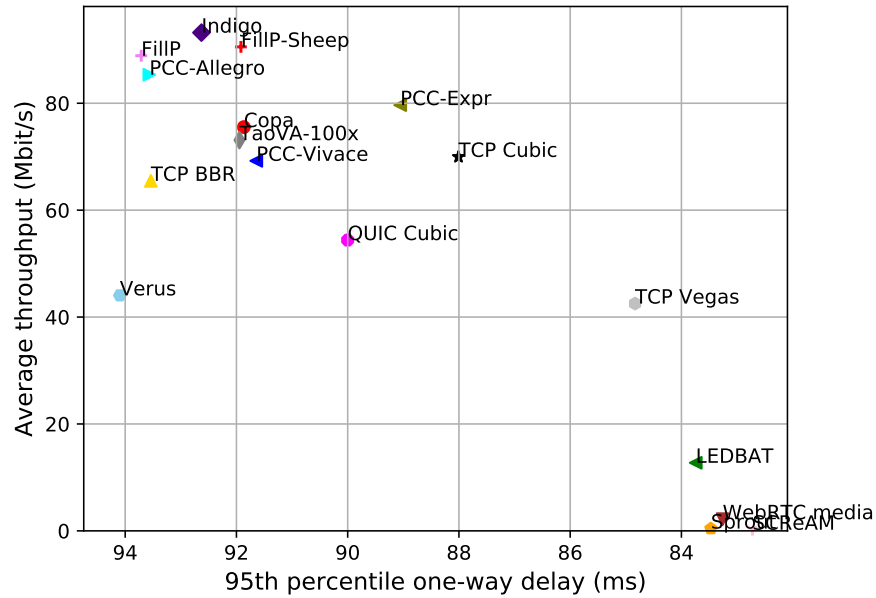
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

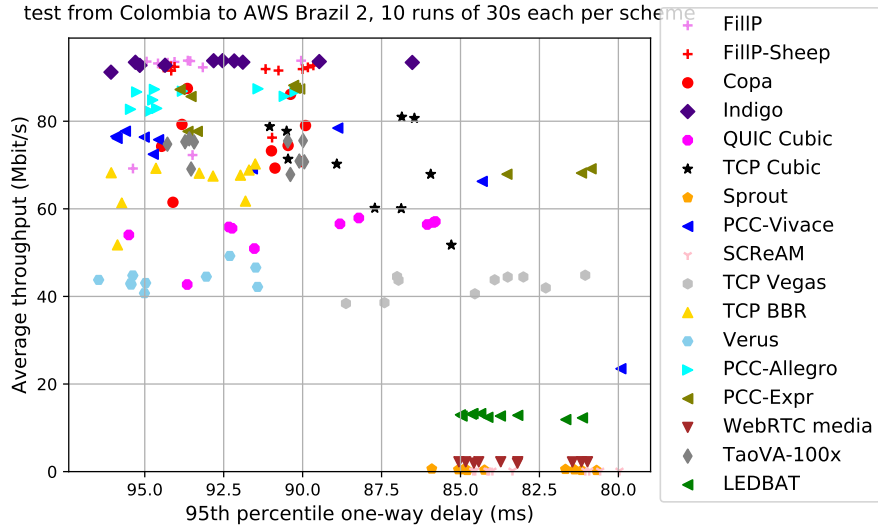
Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
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-quick @ 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 Colombia to AWS Brazil 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Colombia to AWS Brazil 2, 10 runs of 30s each per 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	65.48	93.54	3.18
Copa	10	75.54	91.87	4.43
TCP Cubic	10	69.96	88.01	0.58
FillP	10	88.89	93.71	3.22
FillP-Sheep	10	90.55	91.92	2.33
Indigo	10	93.21	92.63	0.85
LEDBAT	10	12.74	83.74	1.09
PCC-Allegro	10	85.34	93.57	0.68
PCC-Expr	10	79.65	89.06	1.62
QUIC Cubic	10	54.40	90.00	0.96
SCReAM	10	0.22	82.72	0.55
Sprout	10	0.43	83.47	0.46
TaoVA-100x	10	73.10	91.95	3.13
TCP Vegas	10	42.52	84.83	0.66
Verus	10	44.06	94.10	2.66
PCC-Vivace	10	69.23	91.64	0.88
WebRTC media	10	2.18	83.26	0.36

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 17:28:50

End at: 2018-08-09 17:29:20

Local clock offset: -8.015 ms

Remote clock offset: 7.34 ms

Below is generated by plot.py at 2018-08-09 20:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.87 Mbit/s

95th percentile per-packet one-way delay: 91.698 ms

Loss rate: 0.73%

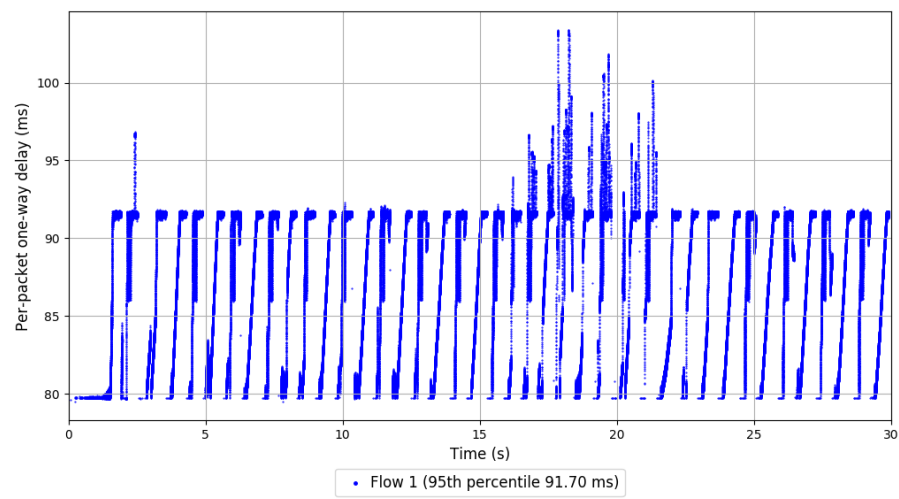
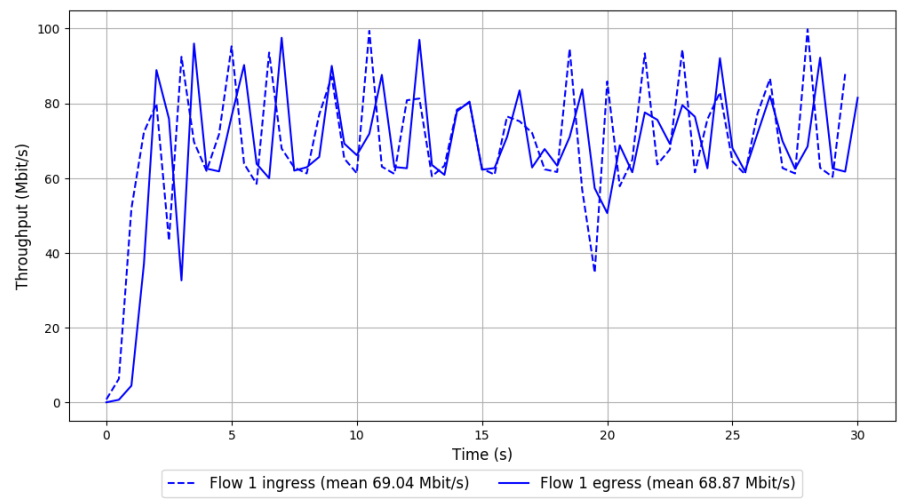
-- Flow 1:

Average throughput: 68.87 Mbit/s

95th percentile per-packet one-way delay: 91.698 ms

Loss rate: 0.73%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-09 17:48:39

End at: 2018-08-09 17:49:09

Local clock offset: -8.104 ms

Remote clock offset: 8.351 ms

Below is generated by plot.py at 2018-08-09 20:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 91.501 ms

Loss rate: 0.19%

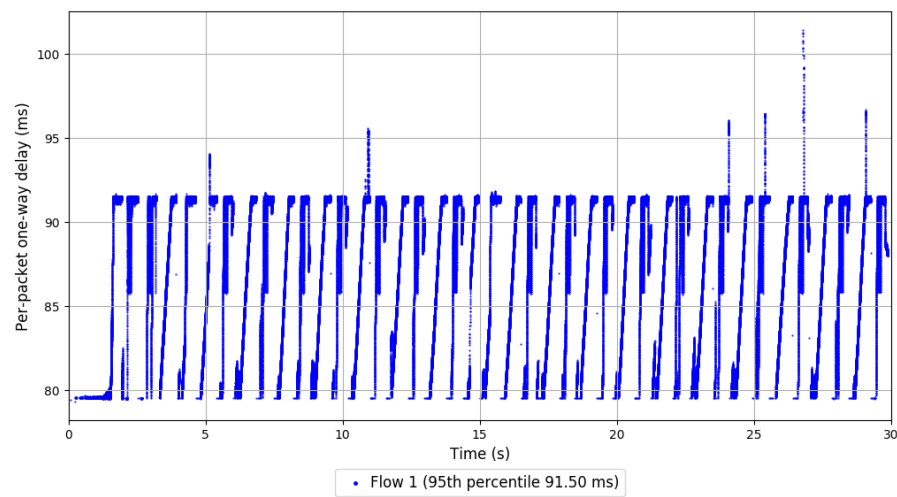
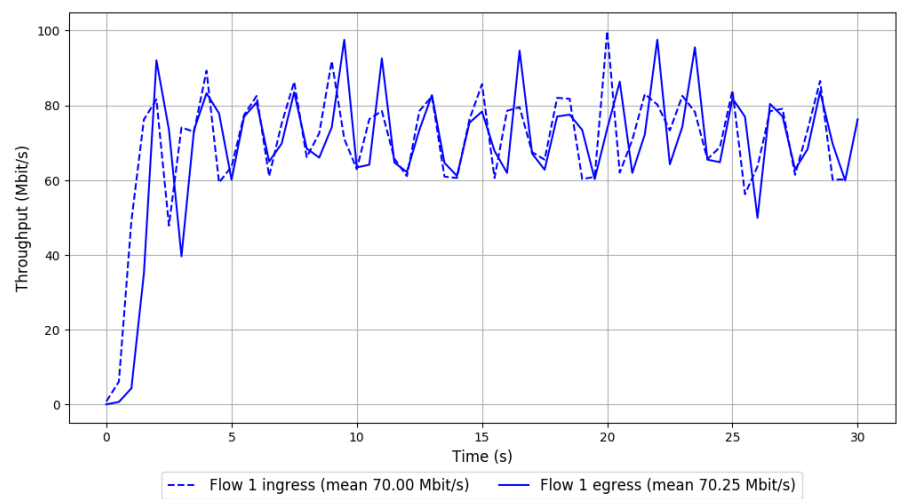
-- Flow 1:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 91.501 ms

Loss rate: 0.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-09 18:08:27

End at: 2018-08-09 18:08:57

Local clock offset: -8.08 ms

Remote clock offset: 8.065 ms

Below is generated by plot.py at 2018-08-09 20:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 92.838 ms

Loss rate: 0.81%

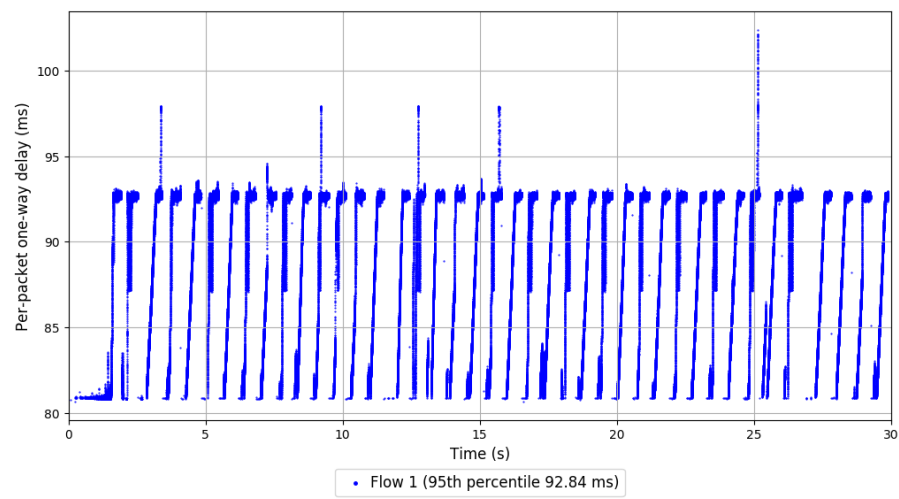
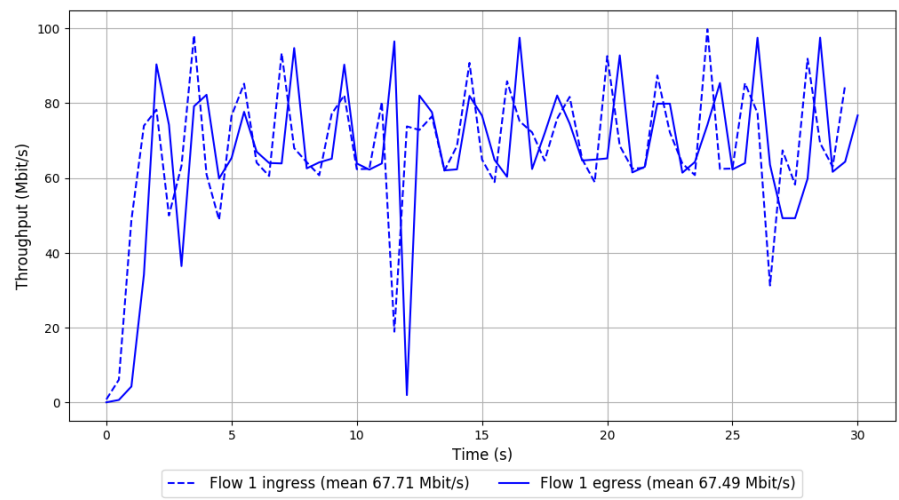
-- Flow 1:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 92.838 ms

Loss rate: 0.81%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-09 18:28:19

End at: 2018-08-09 18:28:49

Local clock offset: -8.051 ms

Remote clock offset: 5.161 ms

Below is generated by plot.py at 2018-08-09 20:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.26 Mbit/s

95th percentile per-packet one-way delay: 94.646 ms

Loss rate: 0.83%

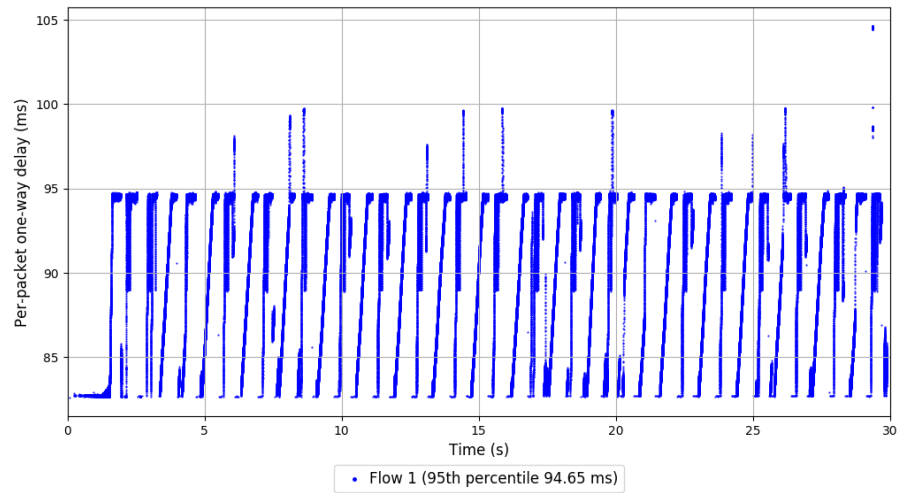
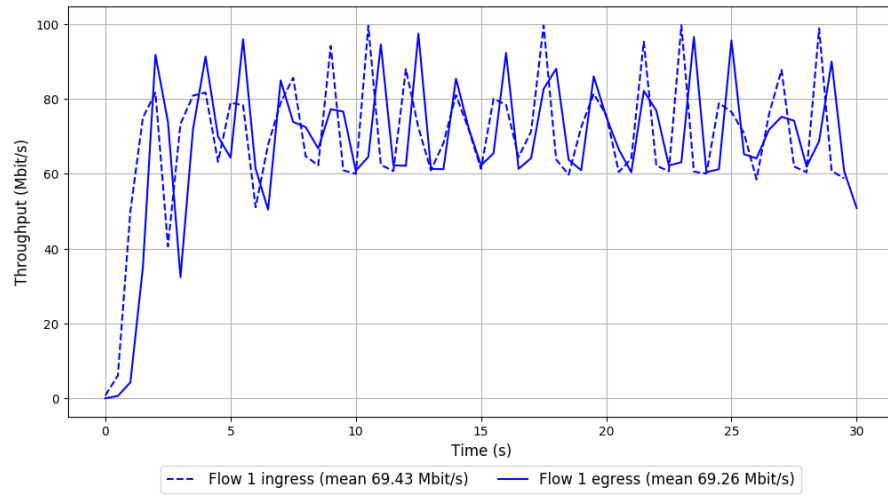
-- Flow 1:

Average throughput: 69.26 Mbit/s

95th percentile per-packet one-way delay: 94.646 ms

Loss rate: 0.83%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 18:48:10

End at: 2018-08-09 18:48:40

Local clock offset: -6.724 ms

Remote clock offset: 4.502 ms

Below is generated by plot.py at 2018-08-09 20:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.32 Mbit/s

95th percentile per-packet one-way delay: 95.729 ms

Loss rate: 8.45%

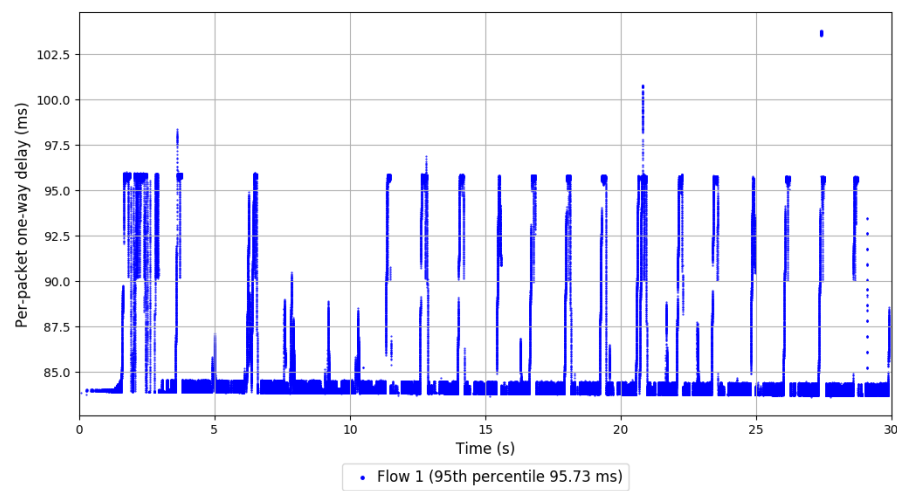
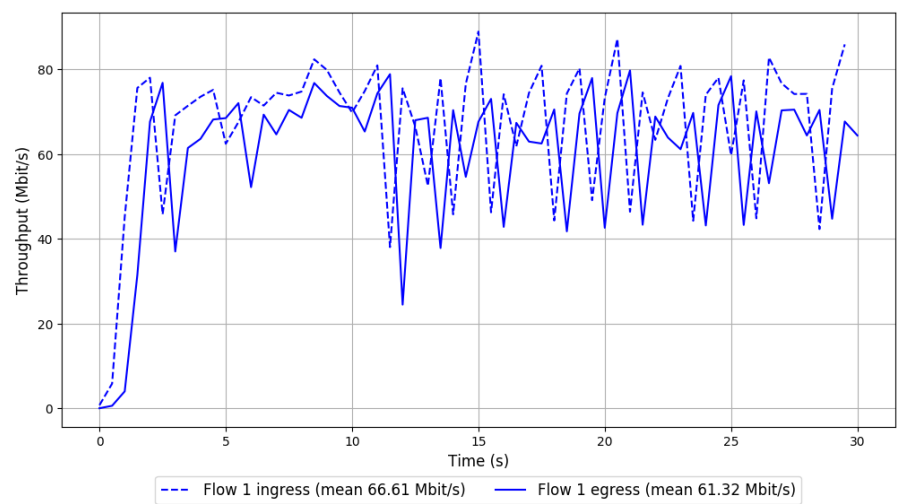
-- Flow 1:

Average throughput: 61.32 Mbit/s

95th percentile per-packet one-way delay: 95.729 ms

Loss rate: 8.45%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-09 19:08:12

End at: 2018-08-09 19:08:42

Local clock offset: -2.326 ms

Remote clock offset: 4.931 ms

Below is generated by plot.py at 2018-08-09 20:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.77 Mbit/s

95th percentile per-packet one-way delay: 95.864 ms

Loss rate: 9.00%

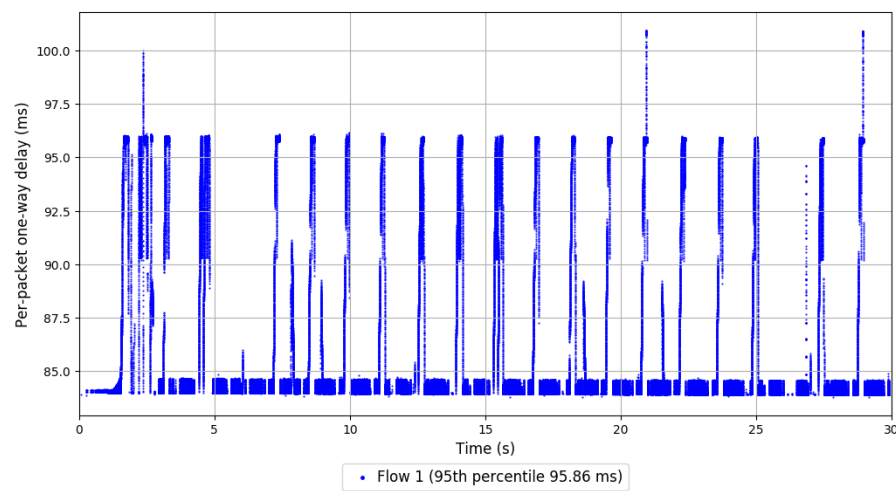
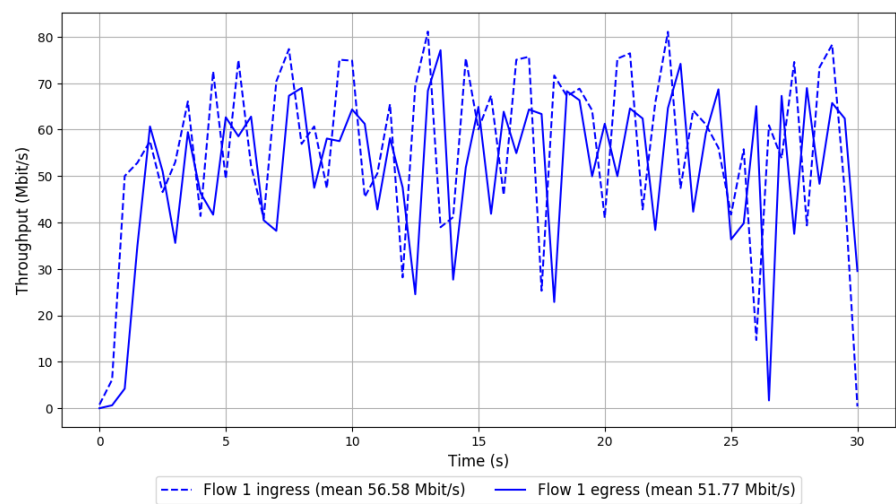
-- Flow 1:

Average throughput: 51.77 Mbit/s

95th percentile per-packet one-way delay: 95.864 ms

Loss rate: 9.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-09 19:28:10

End at: 2018-08-09 19:28:40

Local clock offset: -2.817 ms

Remote clock offset: 3.928 ms

Below is generated by plot.py at 2018-08-09 20:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.24 Mbit/s

95th percentile per-packet one-way delay: 96.062 ms

Loss rate: 0.81%

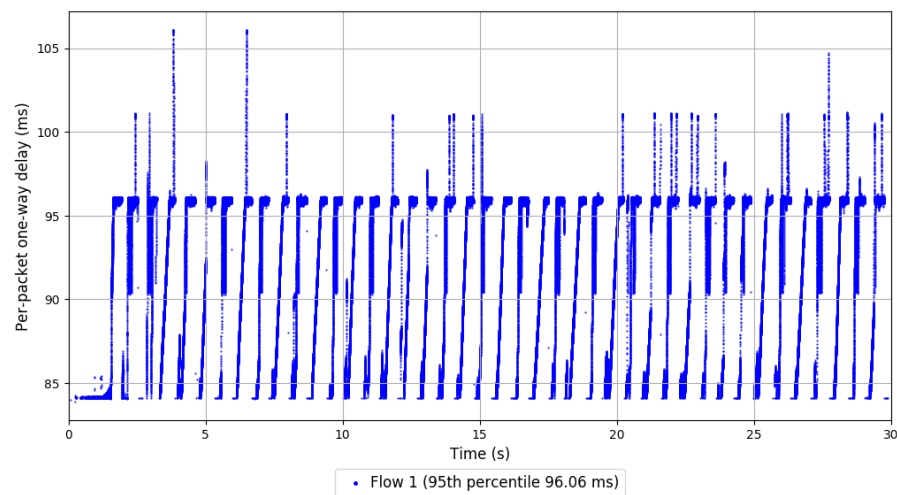
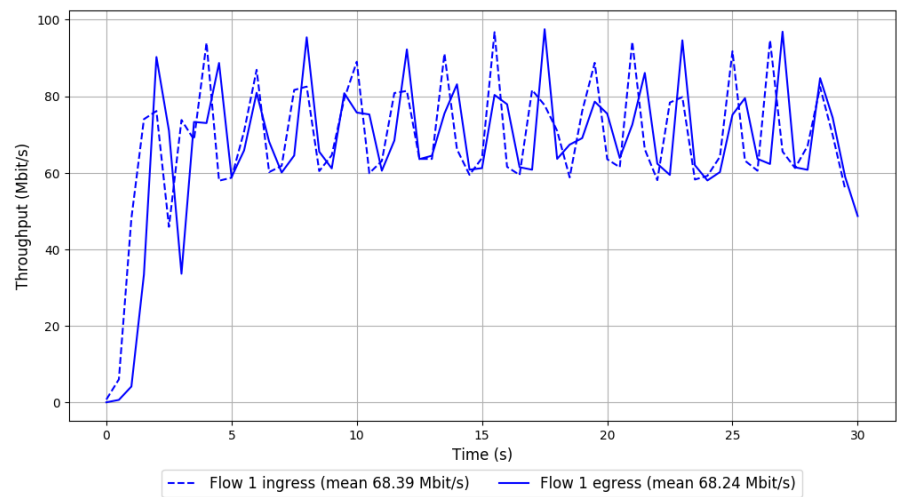
-- Flow 1:

Average throughput: 68.24 Mbit/s

95th percentile per-packet one-way delay: 96.062 ms

Loss rate: 0.81%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 19:48:00

End at: 2018-08-09 19:48:30

Local clock offset: -2.664 ms

Remote clock offset: 6.804 ms

Below is generated by plot.py at 2018-08-09 20:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.69 Mbit/s

95th percentile per-packet one-way delay: 91.969 ms

Loss rate: 1.02%

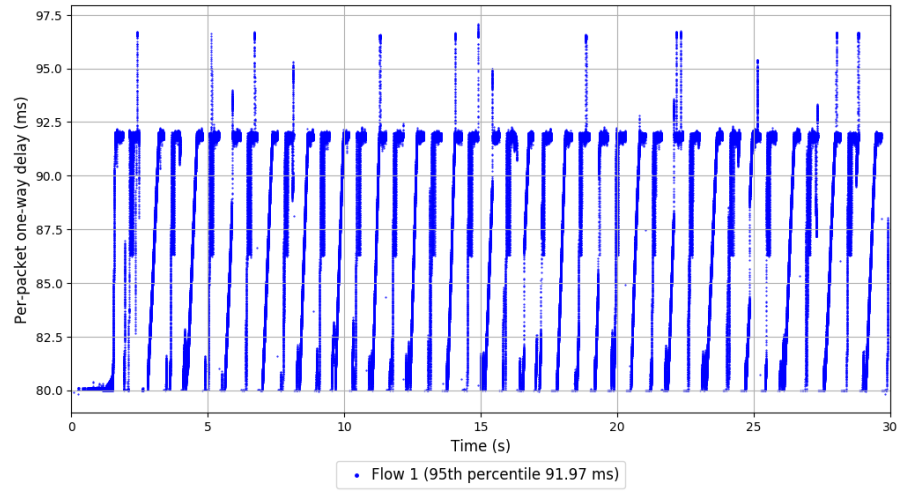
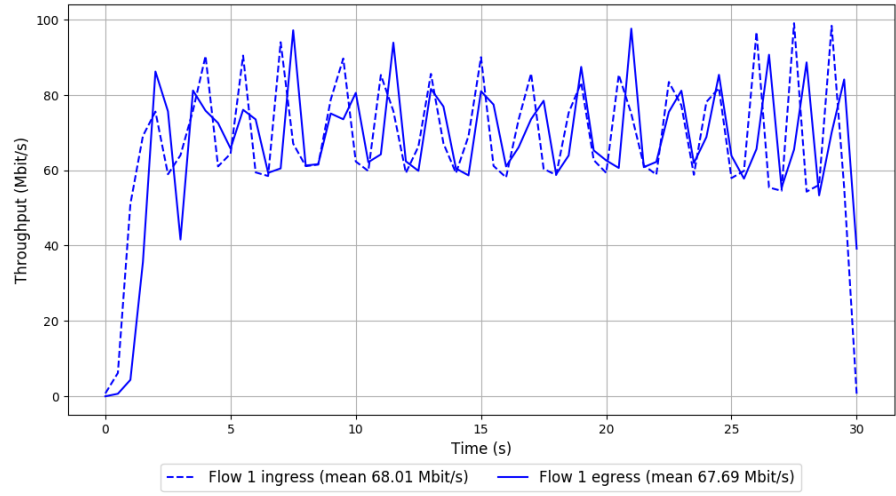
-- Flow 1:

Average throughput: 67.69 Mbit/s

95th percentile per-packet one-way delay: 91.969 ms

Loss rate: 1.02%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 20:08:00

End at: 2018-08-09 20:08:30

Local clock offset: -1.897 ms

Remote clock offset: 6.575 ms

Below is generated by plot.py at 2018-08-09 20:42:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 91.810 ms

Loss rate: 8.86%

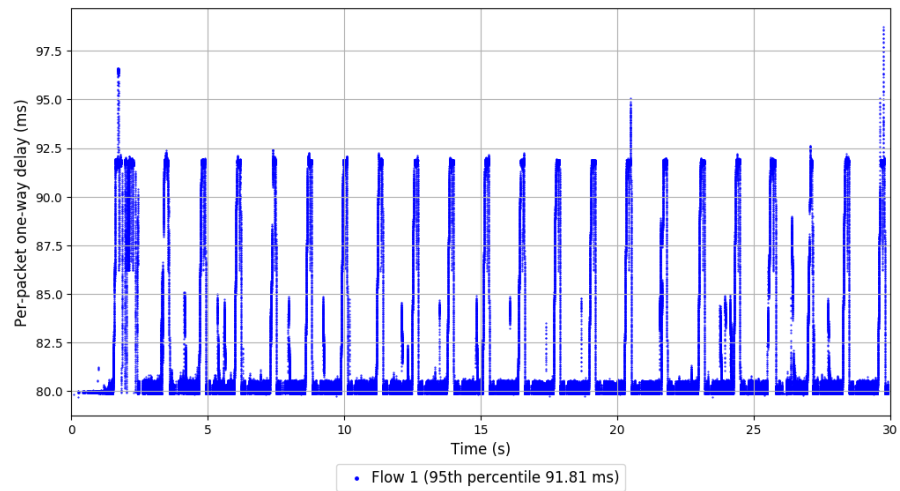
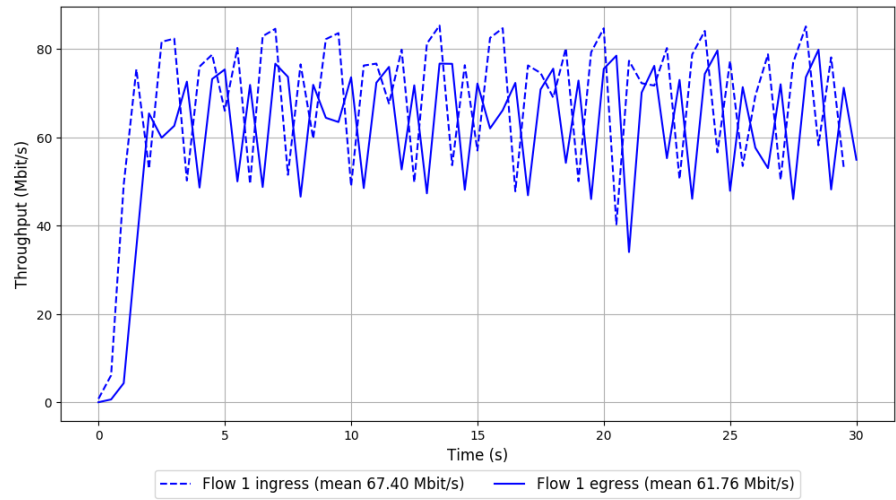
-- Flow 1:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 91.810 ms

Loss rate: 8.86%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-09 20:27:52

End at: 2018-08-09 20:28:22

Local clock offset: -3.195 ms

Remote clock offset: 5.447 ms

Below is generated by plot.py at 2018-08-09 20:42:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.14 Mbit/s

95th percentile per-packet one-way delay: 93.273 ms

Loss rate: 1.06%

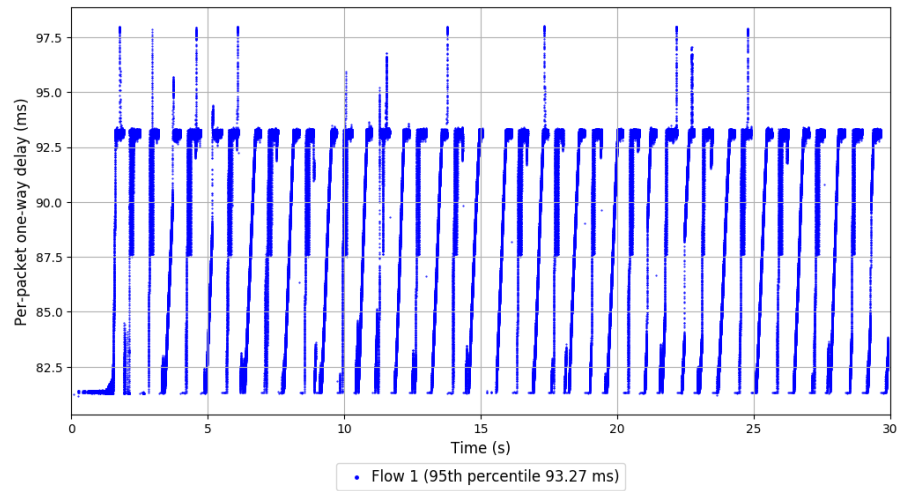
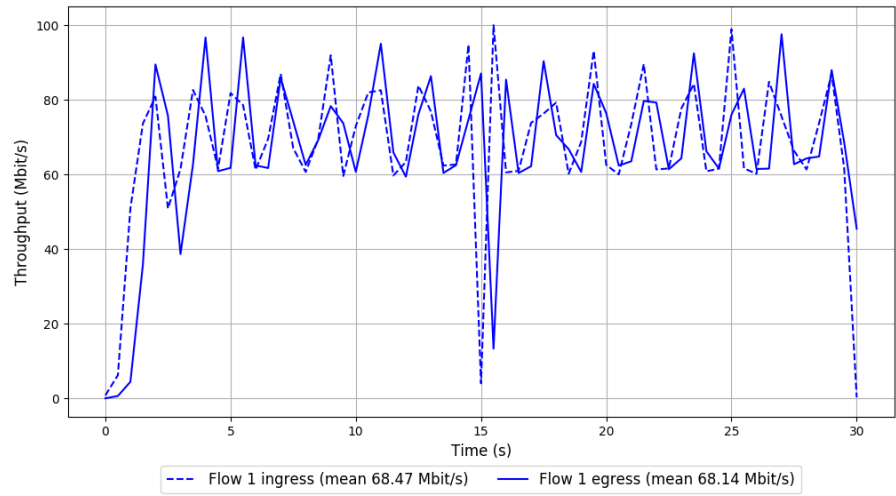
-- Flow 1:

Average throughput: 68.14 Mbit/s

95th percentile per-packet one-way delay: 93.273 ms

Loss rate: 1.06%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-09 17:26:24

End at: 2018-08-09 17:26:54

Local clock offset: -8.053 ms

Remote clock offset: 6.414 ms

Below is generated by plot.py at 2018-08-09 20:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.23 Mbit/s

95th percentile per-packet one-way delay: 90.987 ms

Loss rate: 0.72%

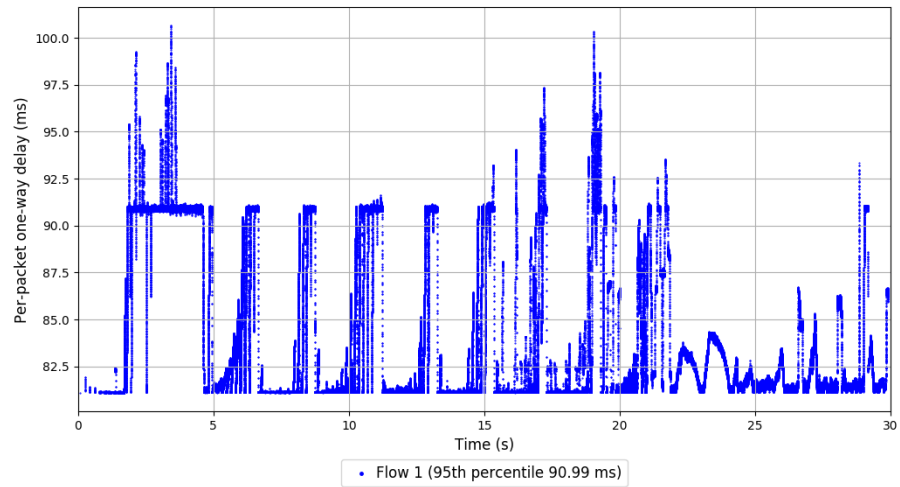
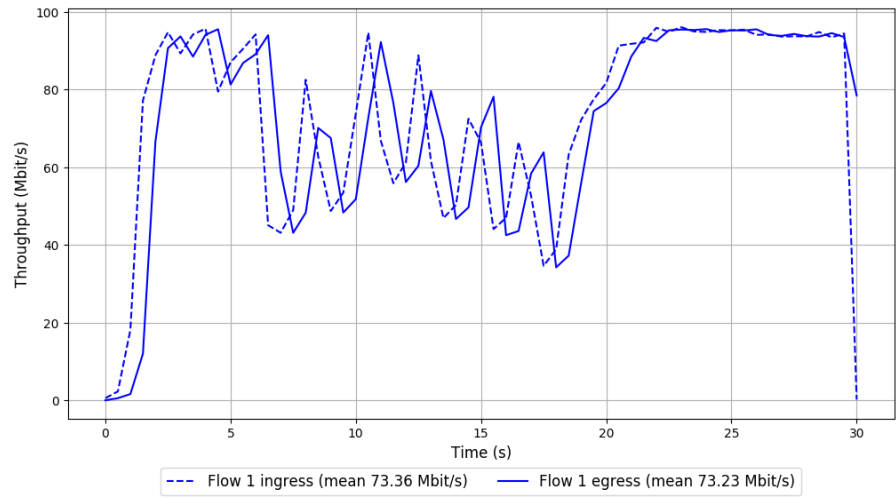
-- Flow 1:

Average throughput: 73.23 Mbit/s

95th percentile per-packet one-way delay: 90.987 ms

Loss rate: 0.72%

Run 1: Report of Copa — Data Link

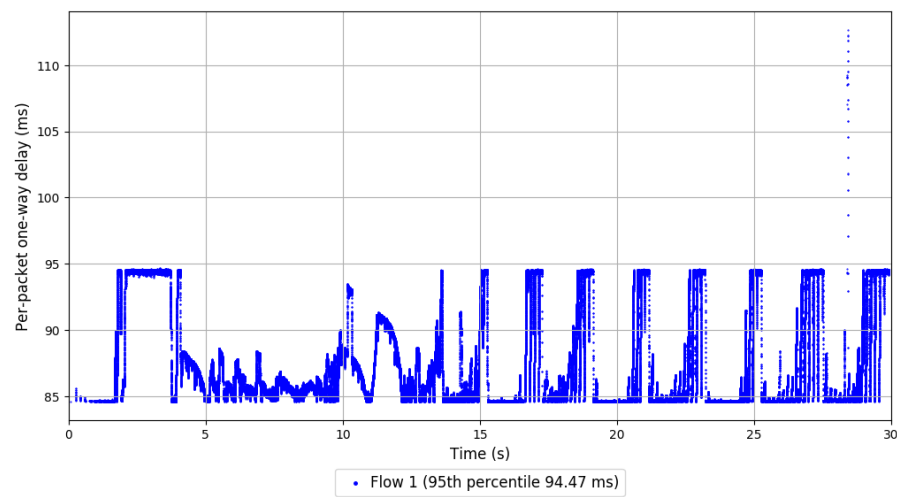
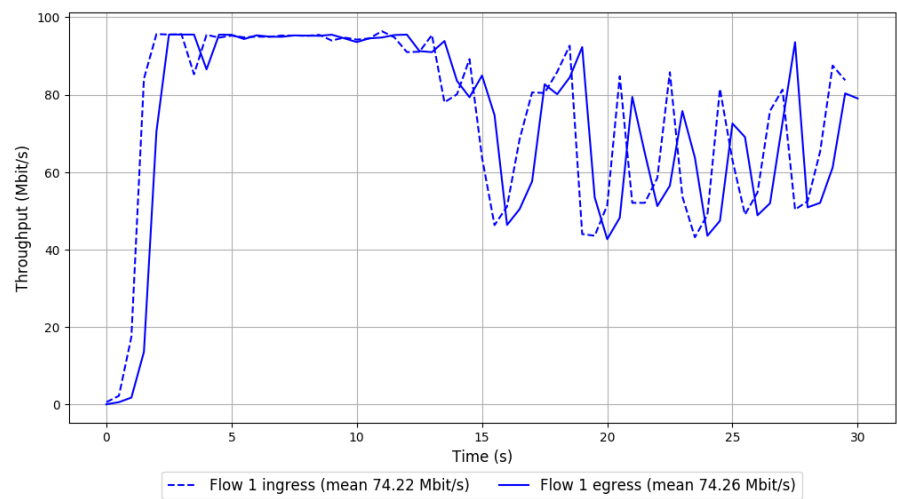


Run 2: Statistics of Copa

Start at: 2018-08-09 17:46:14
End at: 2018-08-09 17:46:44
Local clock offset: -8.146 ms
Remote clock offset: 3.901 ms

Below is generated by plot.py at 2018-08-09 20:43:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 94.466 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 74.26 Mbit/s
95th percentile per-packet one-way delay: 94.466 ms
Loss rate: 0.49%

Run 2: Report of Copa — Data Link

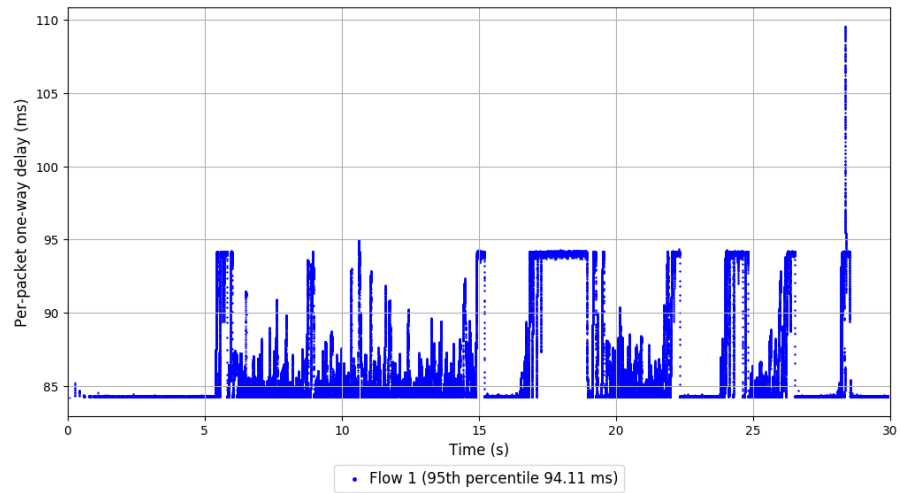
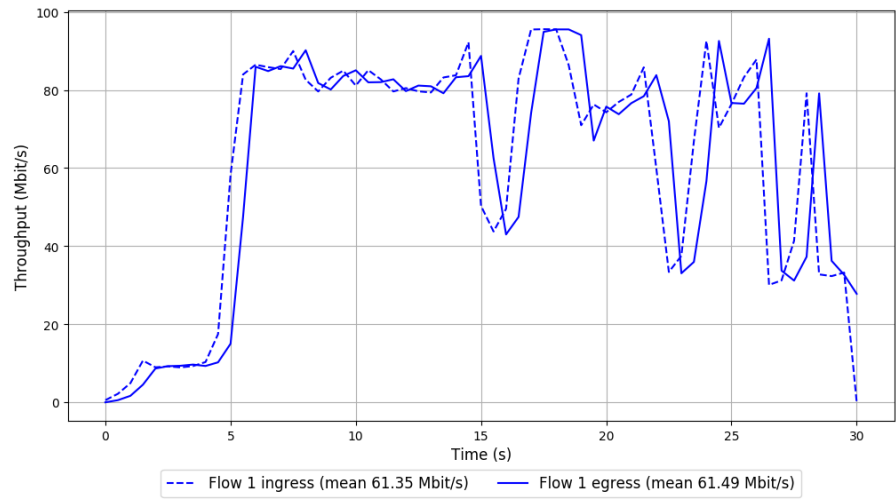


Run 3: Statistics of Copa

Start at: 2018-08-09 18:06:02
End at: 2018-08-09 18:06:32
Local clock offset: -8.022 ms
Remote clock offset: 4.645 ms

Below is generated by plot.py at 2018-08-09 20:43:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 94.107 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 94.107 ms
Loss rate: 0.31%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-09 18:25:53

End at: 2018-08-09 18:26:23

Local clock offset: -7.993 ms

Remote clock offset: 4.589 ms

Below is generated by plot.py at 2018-08-09 20:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 93.822 ms

Loss rate: 0.66%

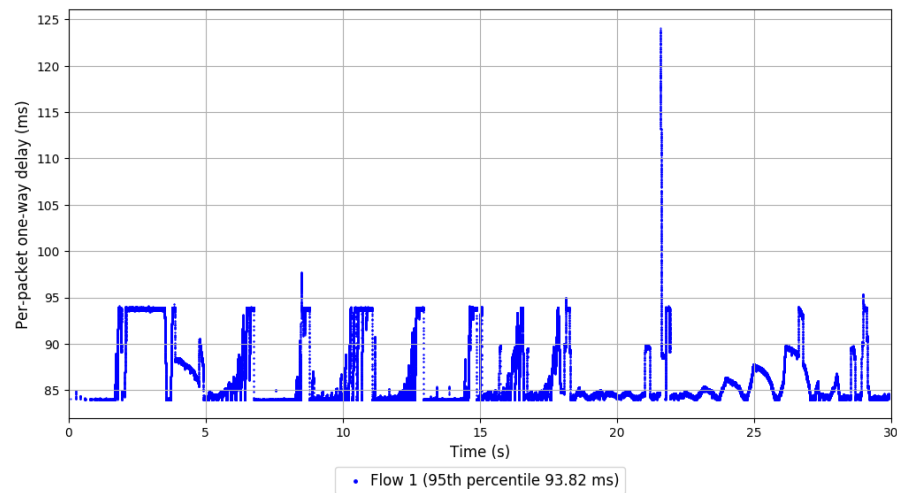
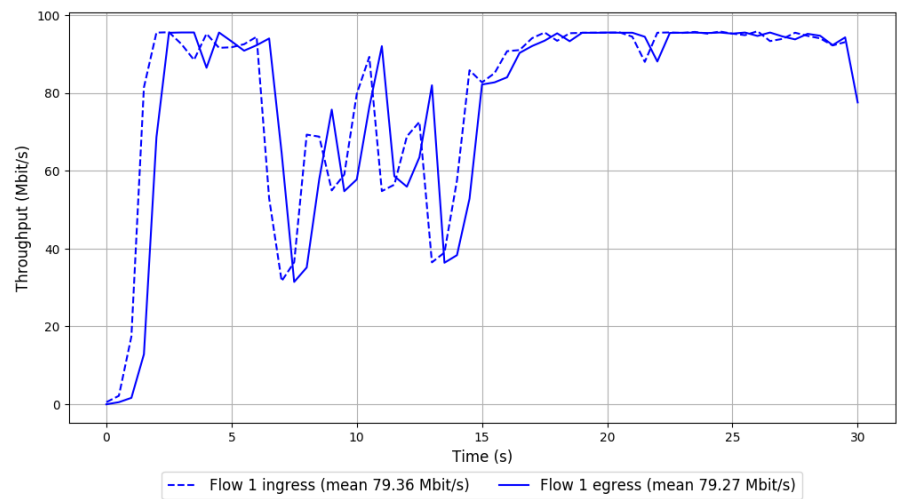
-- Flow 1:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 93.822 ms

Loss rate: 0.66%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 18:45:43

End at: 2018-08-09 18:46:13

Local clock offset: -8.056 ms

Remote clock offset: 4.421 ms

Below is generated by plot.py at 2018-08-09 20:44:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 93.650 ms

Loss rate: 0.60%

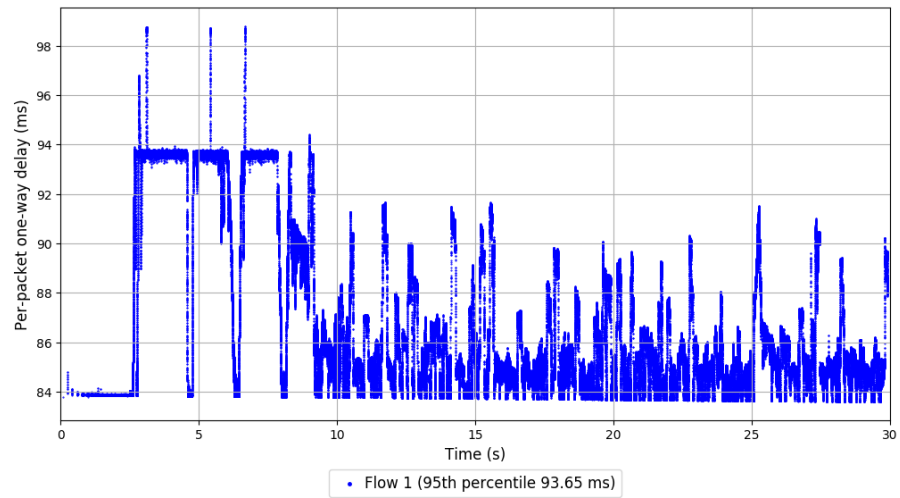
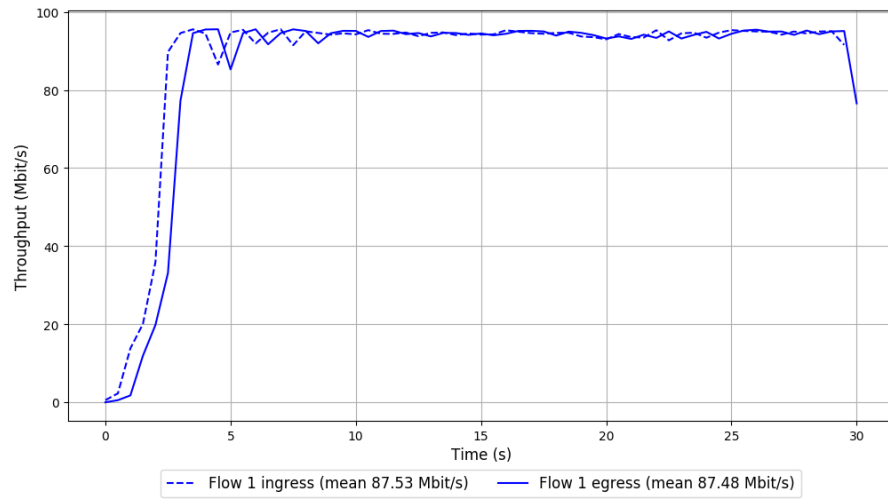
-- Flow 1:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 93.650 ms

Loss rate: 0.60%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-09 19:05:44

End at: 2018-08-09 19:06:14

Local clock offset: -2.655 ms

Remote clock offset: 8.436 ms

Below is generated by plot.py at 2018-08-09 20:44:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.46 Mbit/s

95th percentile per-packet one-way delay: 90.460 ms

Loss rate: 17.76%

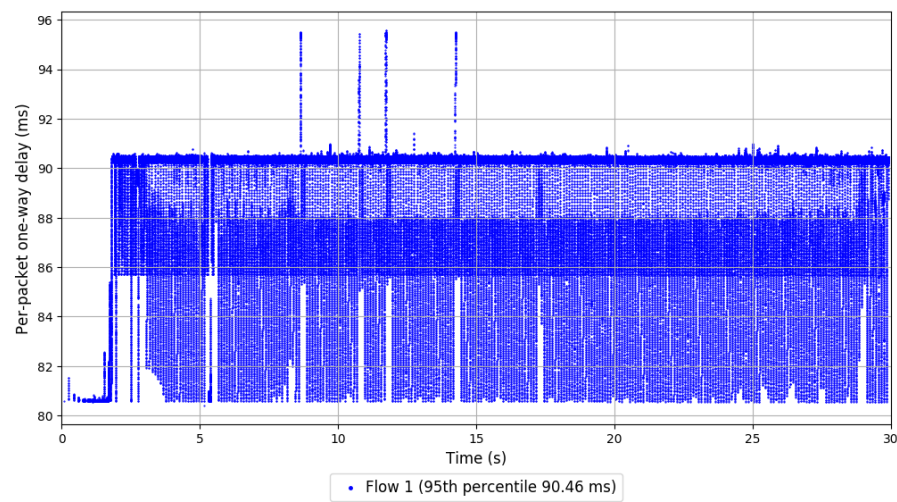
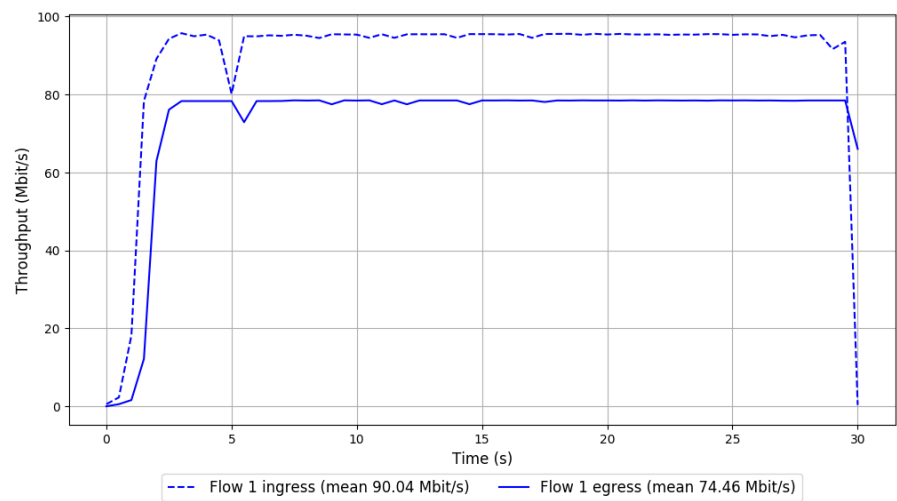
-- Flow 1:

Average throughput: 74.46 Mbit/s

95th percentile per-packet one-way delay: 90.460 ms

Loss rate: 17.76%

Run 6: Report of Copa — Data Link

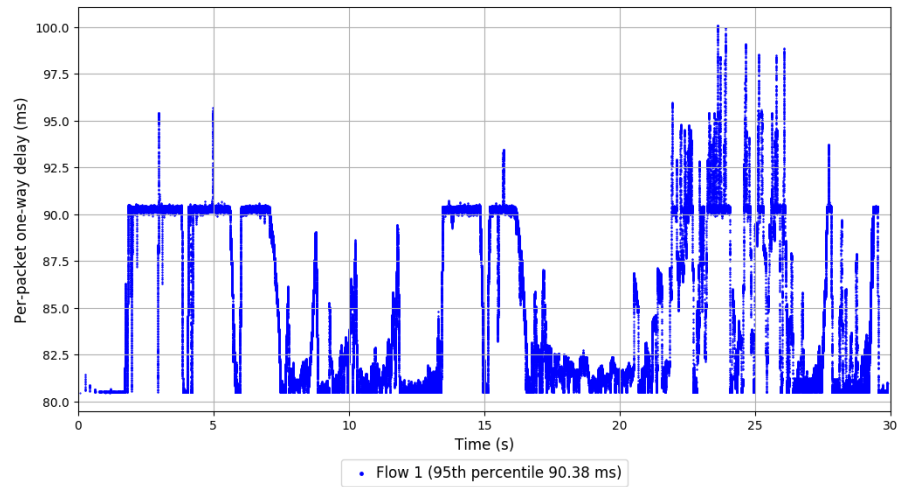
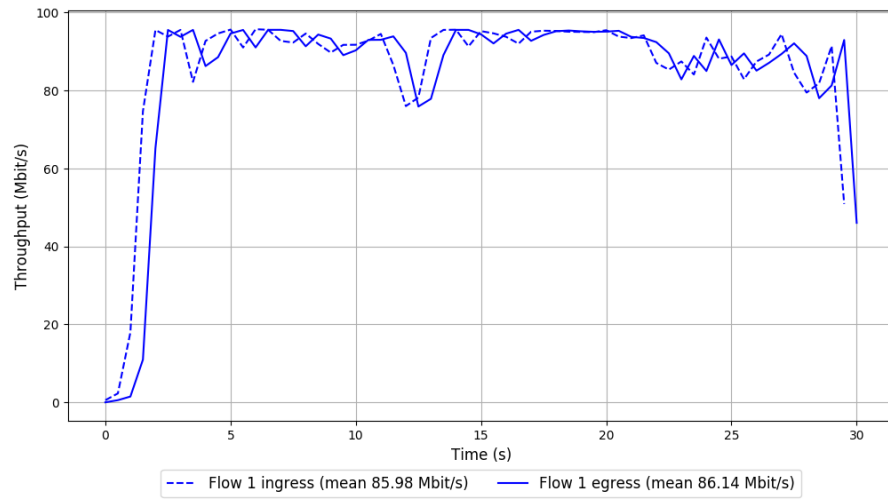


Run 7: Statistics of Copa

Start at: 2018-08-09 19:25:43
End at: 2018-08-09 19:26:13
Local clock offset: -2.811 ms
Remote clock offset: 7.366 ms

Below is generated by plot.py at 2018-08-09 20:44:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 90.383 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 90.383 ms
Loss rate: 0.36%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-09 19:45:34

End at: 2018-08-09 19:46:04

Local clock offset: -2.703 ms

Remote clock offset: 6.589 ms

Below is generated by plot.py at 2018-08-09 20:44:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.02 Mbit/s

95th percentile per-packet one-way delay: 89.909 ms

Loss rate: 0.67%

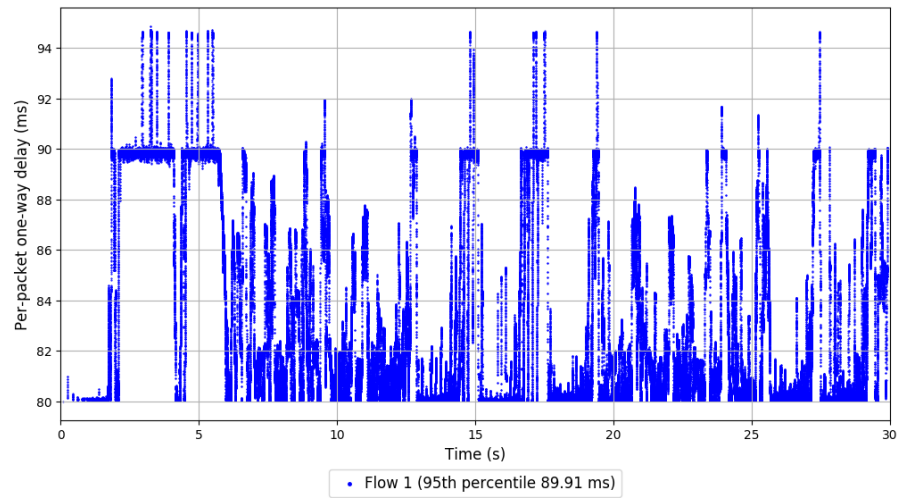
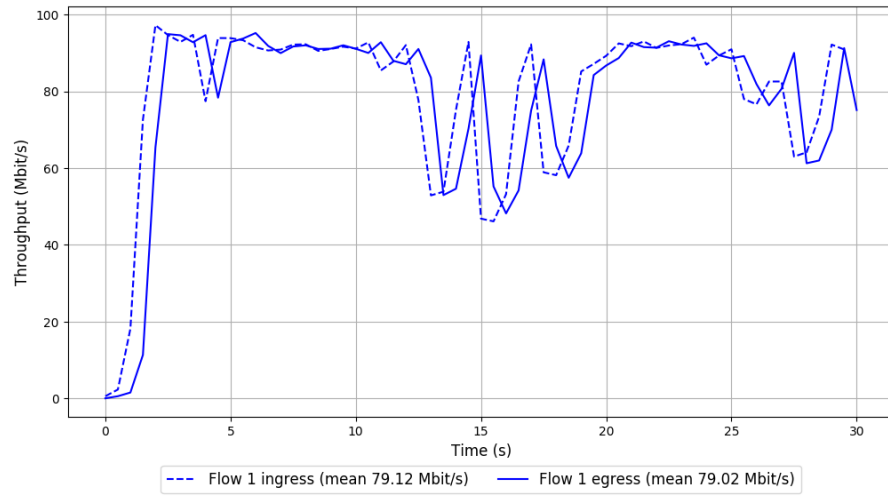
-- Flow 1:

Average throughput: 79.02 Mbit/s

95th percentile per-packet one-way delay: 89.909 ms

Loss rate: 0.67%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-09 20:05:24

End at: 2018-08-09 20:05:54

Local clock offset: -1.971 ms

Remote clock offset: 6.938 ms

Below is generated by plot.py at 2018-08-09 20:45:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.78 Mbit/s

95th percentile per-packet one-way delay: 90.012 ms

Loss rate: 12.26%

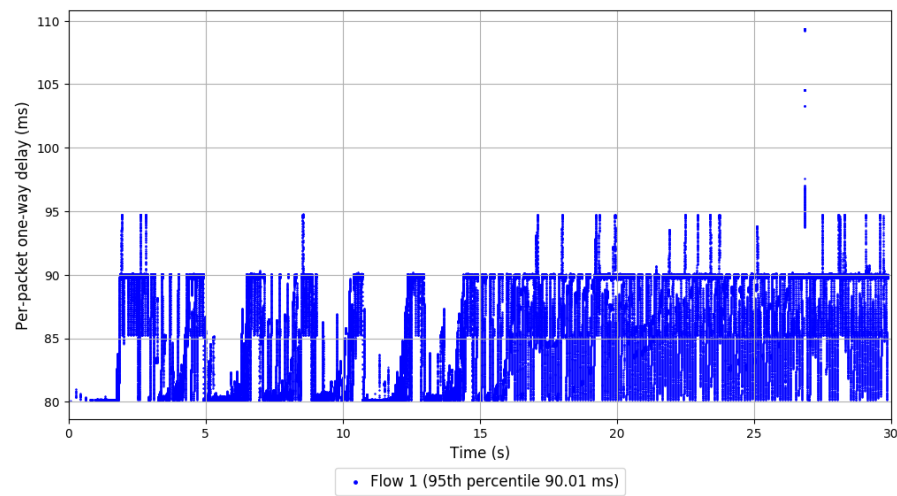
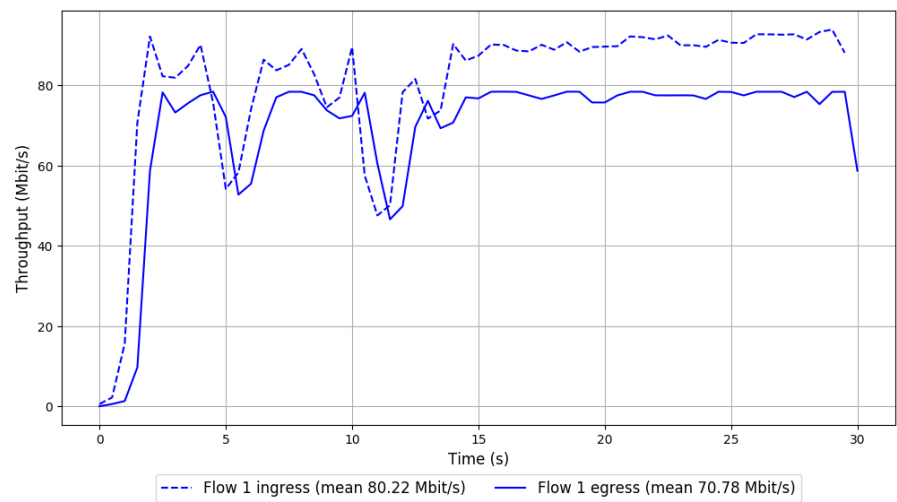
-- Flow 1:

Average throughput: 70.78 Mbit/s

95th percentile per-packet one-way delay: 90.012 ms

Loss rate: 12.26%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-09 20:25:25

End at: 2018-08-09 20:25:55

Local clock offset: -3.031 ms

Remote clock offset: 5.875 ms

Below is generated by plot.py at 2018-08-09 20:45:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 90.876 ms

Loss rate: 10.45%

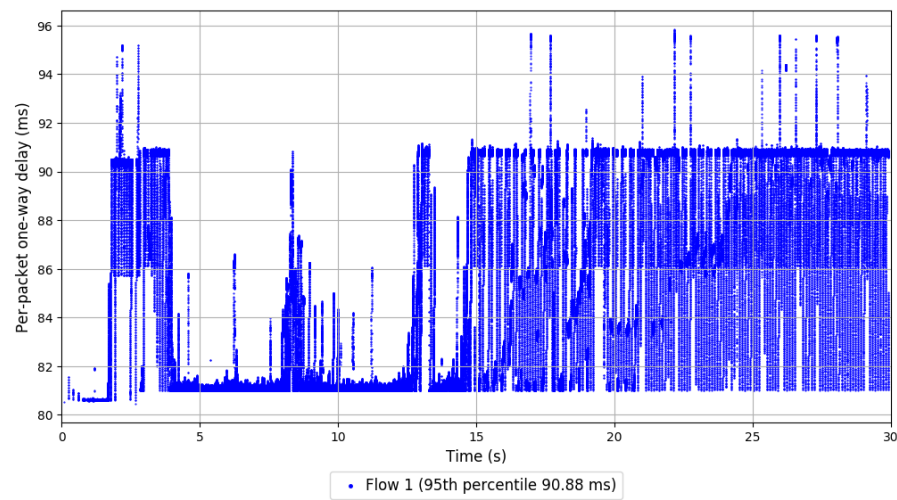
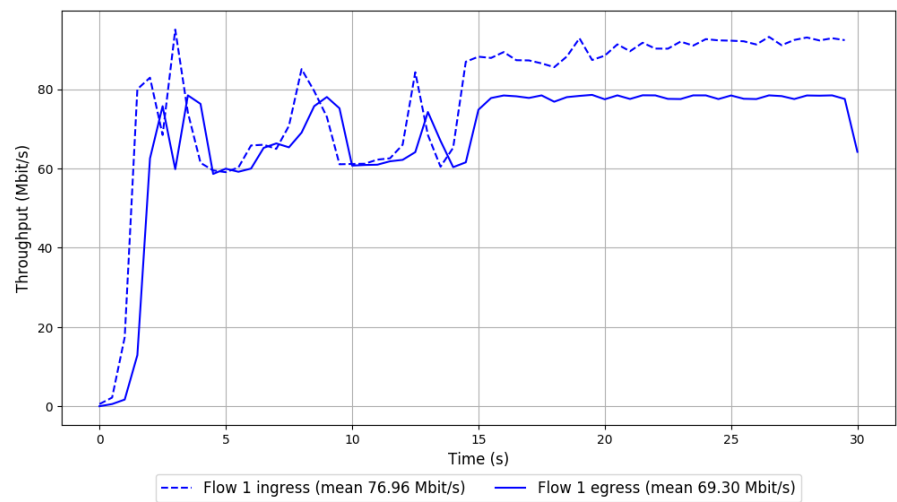
-- Flow 1:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 90.876 ms

Loss rate: 10.45%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 17:33:31

End at: 2018-08-09 17:34:01

Local clock offset: -8.011 ms

Remote clock offset: 3.61 ms

Below is generated by plot.py at 2018-08-09 20:45:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.74 Mbit/s

95th percentile per-packet one-way delay: 85.290 ms

Loss rate: 0.97%

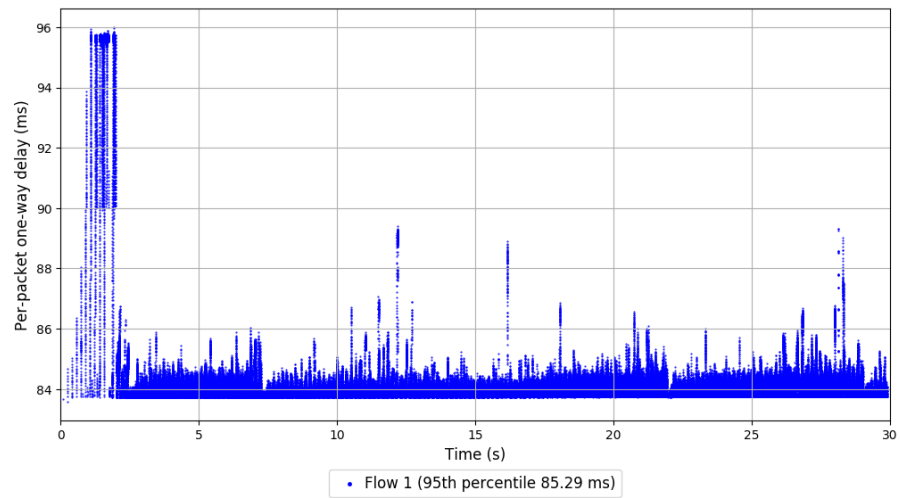
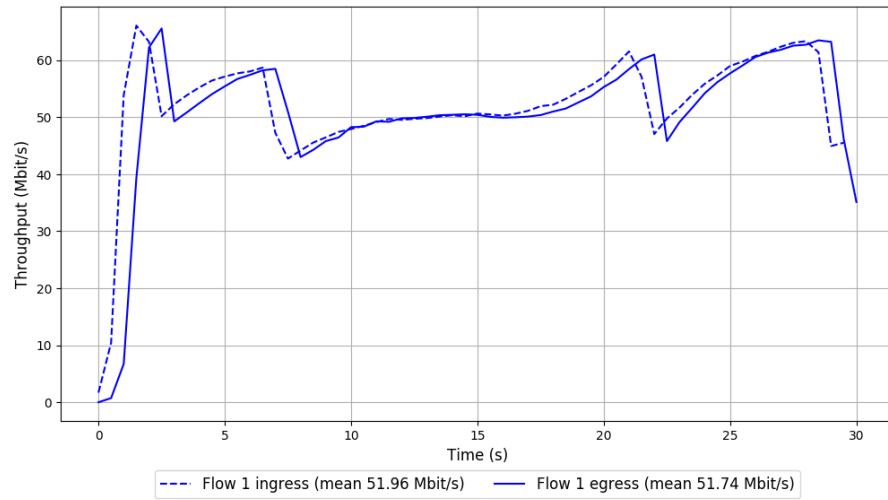
-- Flow 1:

Average throughput: 51.74 Mbit/s

95th percentile per-packet one-way delay: 85.290 ms

Loss rate: 0.97%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 17:53:19

End at: 2018-08-09 17:53:49

Local clock offset: -8.081 ms

Remote clock offset: 4.149 ms

Below is generated by plot.py at 2018-08-09 20:45:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.23 Mbit/s

95th percentile per-packet one-way delay: 88.919 ms

Loss rate: 0.49%

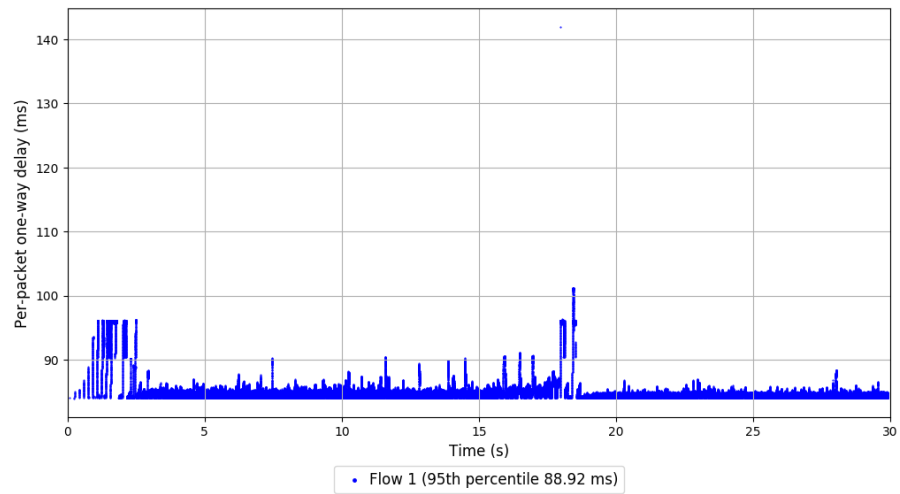
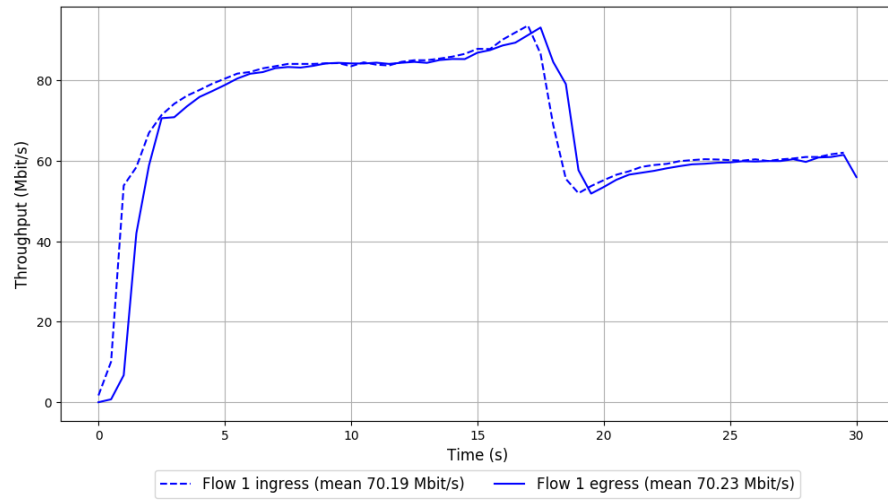
-- Flow 1:

Average throughput: 70.23 Mbit/s

95th percentile per-packet one-way delay: 88.919 ms

Loss rate: 0.49%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 18:13:07

End at: 2018-08-09 18:13:37

Local clock offset: -8.072 ms

Remote clock offset: 8.139 ms

Below is generated by plot.py at 2018-08-09 20:45:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.96 Mbit/s

95th percentile per-packet one-way delay: 86.859 ms

Loss rate: 0.57%

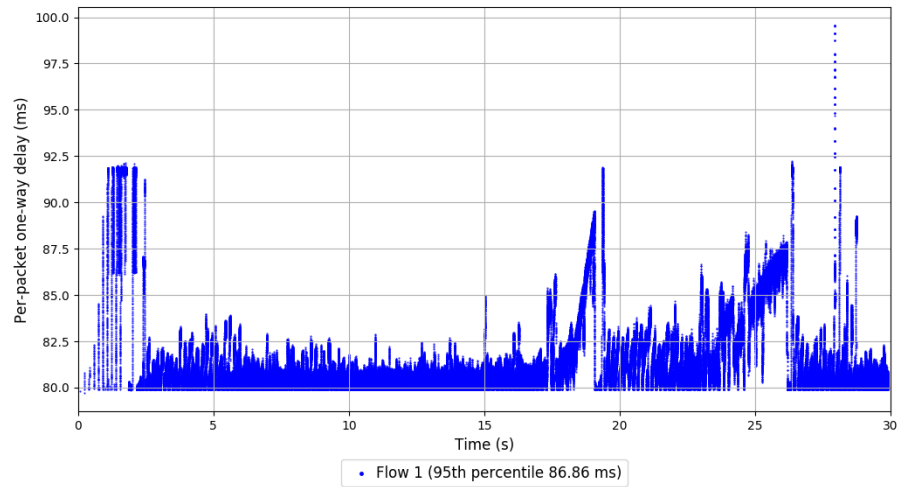
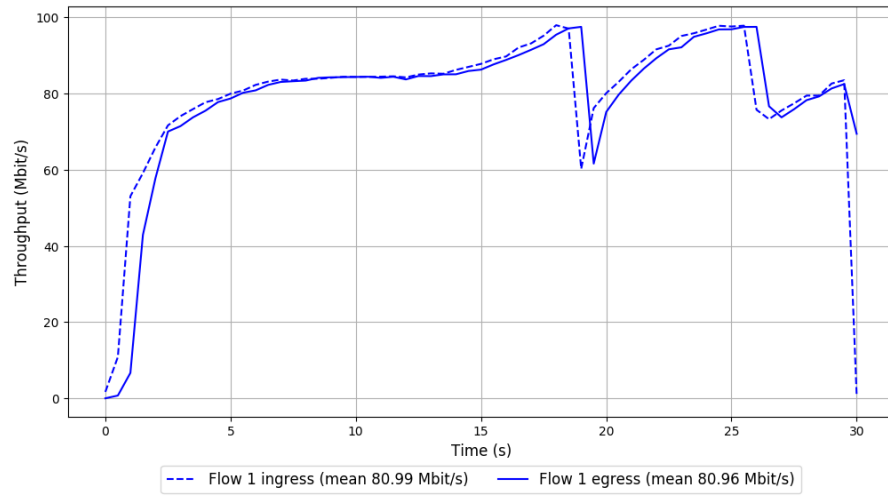
-- Flow 1:

Average throughput: 80.96 Mbit/s

95th percentile per-packet one-way delay: 86.859 ms

Loss rate: 0.57%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 18:33:00

End at: 2018-08-09 18:33:30

Local clock offset: -7.992 ms

Remote clock offset: 4.804 ms

Below is generated by plot.py at 2018-08-09 20:45:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.37 Mbit/s

95th percentile per-packet one-way delay: 90.462 ms

Loss rate: 0.49%

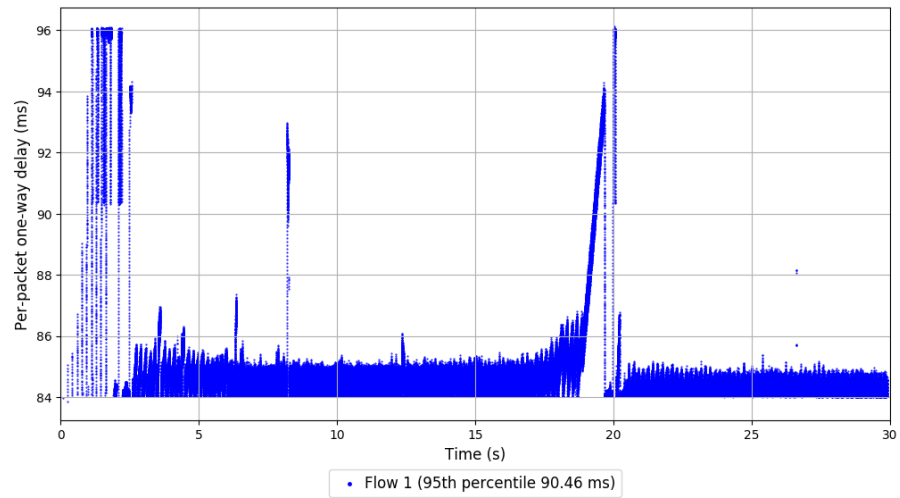
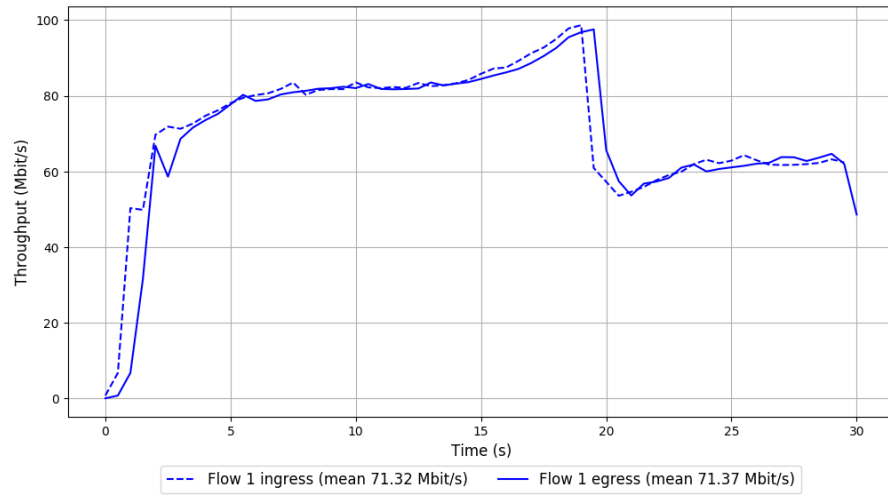
-- Flow 1:

Average throughput: 71.37 Mbit/s

95th percentile per-packet one-way delay: 90.462 ms

Loss rate: 0.49%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 18:52:51

End at: 2018-08-09 18:53:21

Local clock offset: -5.019 ms

Remote clock offset: 8.206 ms

Below is generated by plot.py at 2018-08-09 20:45:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.06 Mbit/s

95th percentile per-packet one-way delay: 86.877 ms

Loss rate: 0.57%

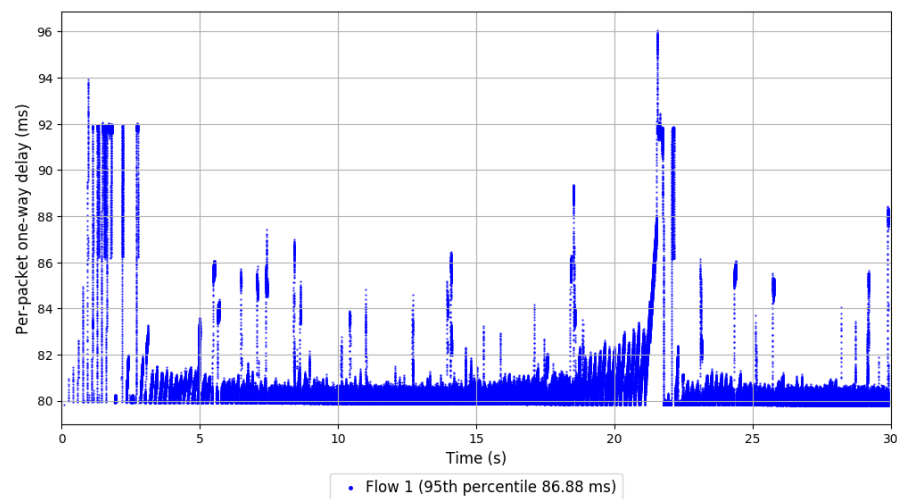
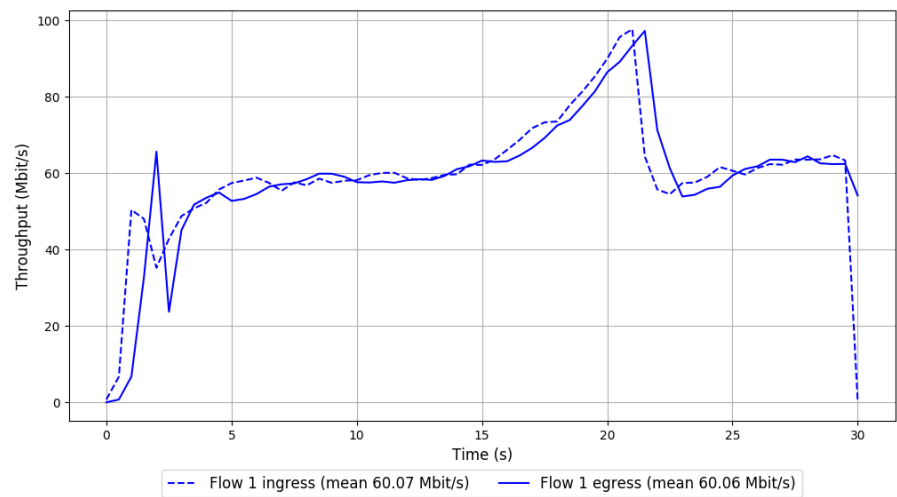
-- Flow 1:

Average throughput: 60.06 Mbit/s

95th percentile per-packet one-way delay: 86.877 ms

Loss rate: 0.57%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 19:13:02

End at: 2018-08-09 19:13:32

Local clock offset: -1.986 ms

Remote clock offset: 4.049 ms

Below is generated by plot.py at 2018-08-09 20:45:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 90.508 ms

Loss rate: 0.42%

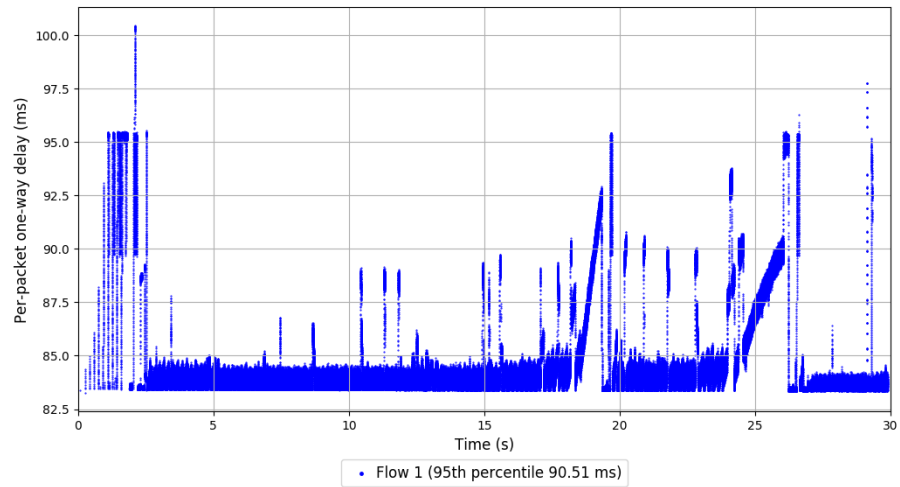
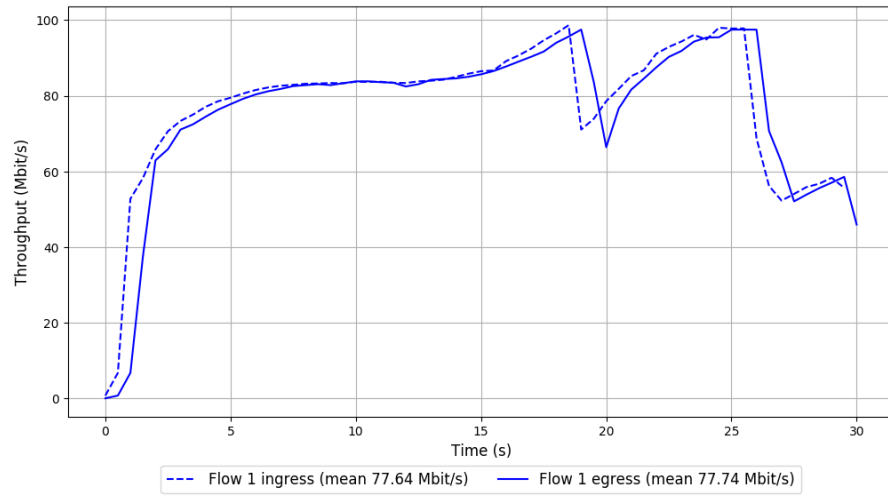
-- Flow 1:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 90.508 ms

Loss rate: 0.42%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 19:32:51

End at: 2018-08-09 19:33:21

Local clock offset: -2.888 ms

Remote clock offset: 3.716 ms

Below is generated by plot.py at 2018-08-09 20:45:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 91.044 ms

Loss rate: 0.55%

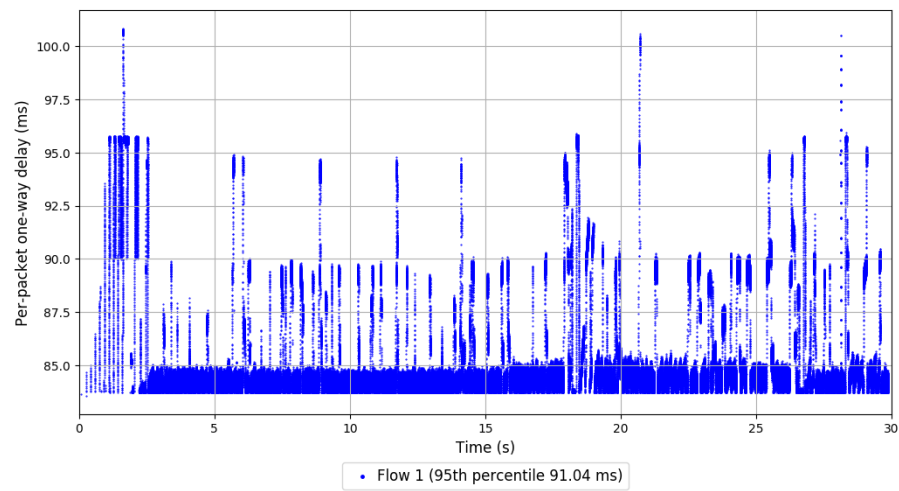
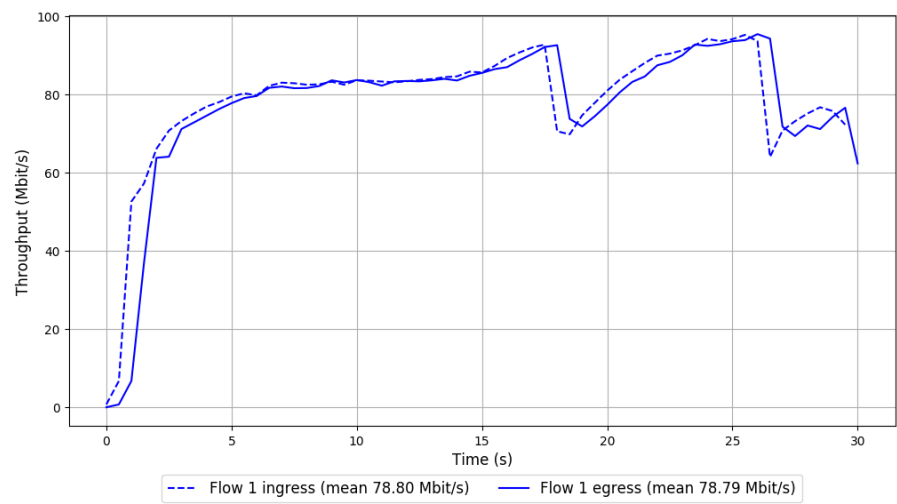
-- Flow 1:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 91.044 ms

Loss rate: 0.55%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 19:52:41

End at: 2018-08-09 19:53:11

Local clock offset: -2.429 ms

Remote clock offset: 7.197 ms

Below is generated by plot.py at 2018-08-09 20:45:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.68 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.57%

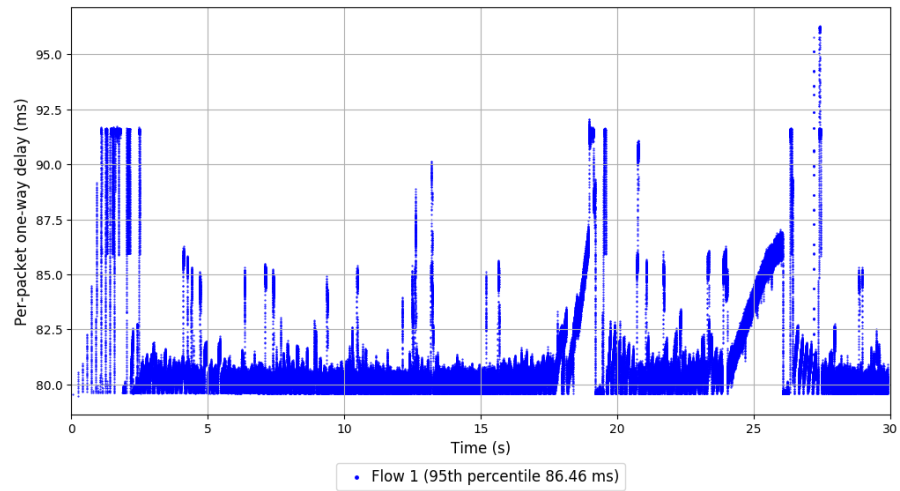
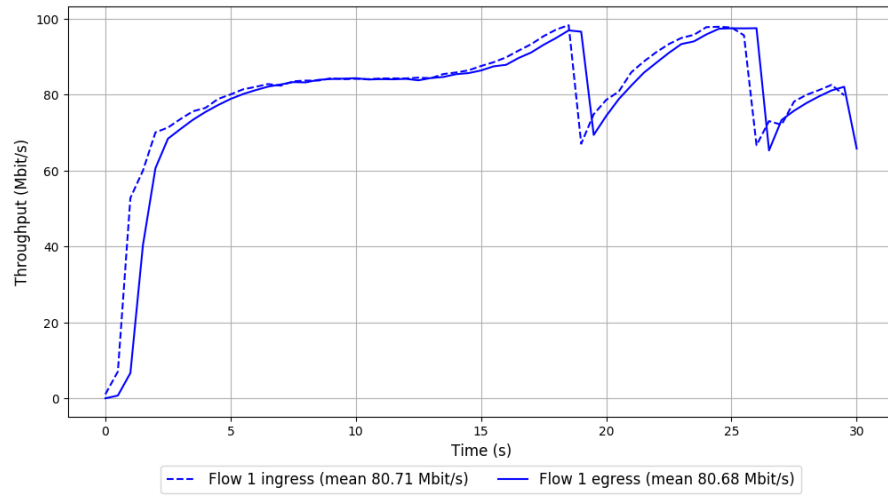
-- Flow 1:

Average throughput: 80.68 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.57%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 20:12:41

End at: 2018-08-09 20:13:11

Local clock offset: -1.693 ms

Remote clock offset: 6.126 ms

Below is generated by plot.py at 2018-08-09 20:45:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.16 Mbit/s

95th percentile per-packet one-way delay: 87.714 ms

Loss rate: 0.56%

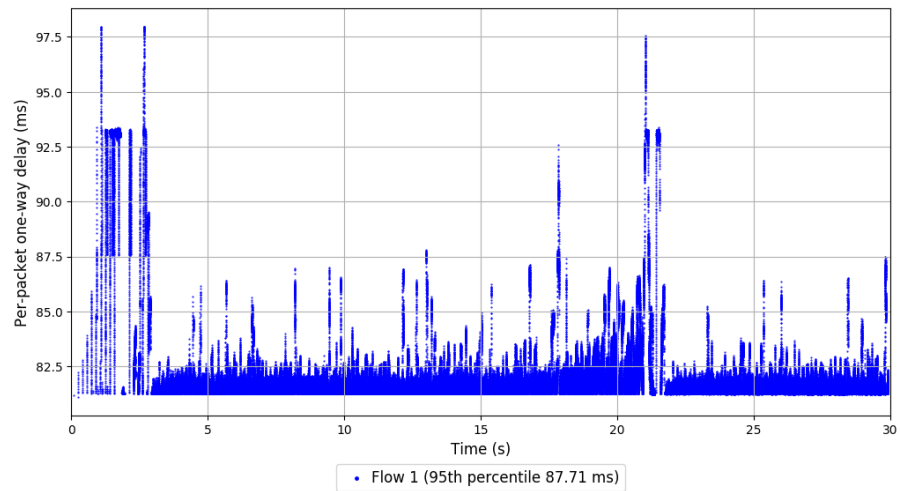
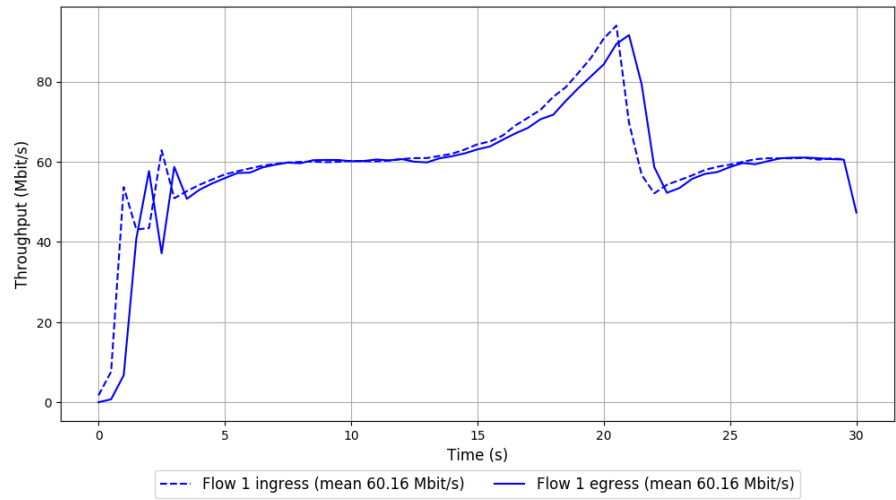
-- Flow 1:

Average throughput: 60.16 Mbit/s

95th percentile per-packet one-way delay: 87.714 ms

Loss rate: 0.56%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 20:32:36

End at: 2018-08-09 20:33:06

Local clock offset: -3.413 ms

Remote clock offset: 2.298 ms

Below is generated by plot.py at 2018-08-09 20:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 85.944 ms

Loss rate: 0.62%

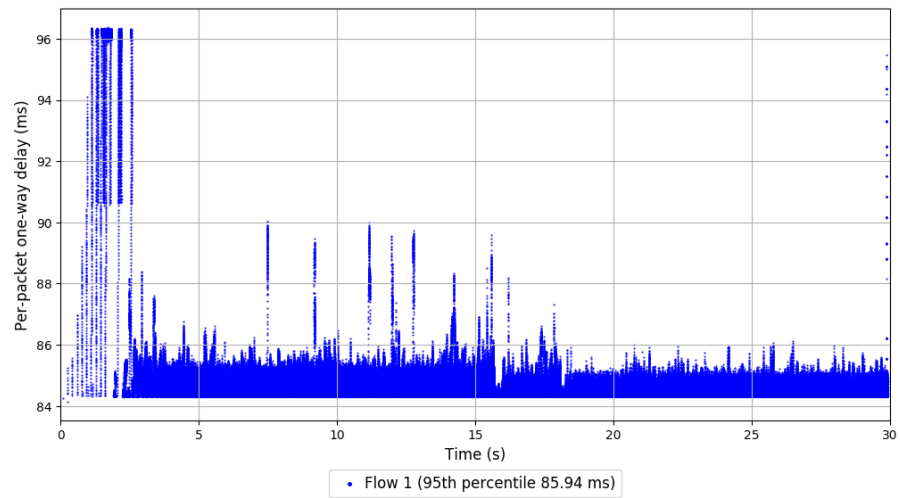
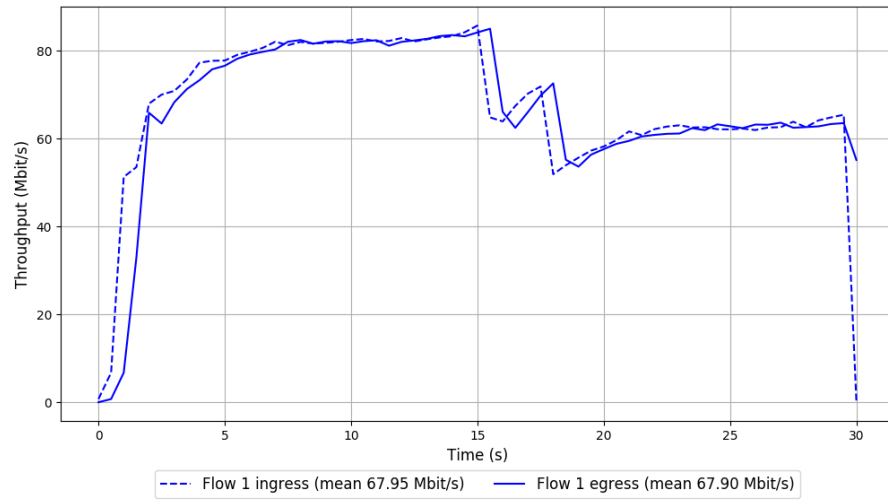
-- Flow 1:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 85.944 ms

Loss rate: 0.62%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-09 17:25:13

End at: 2018-08-09 17:25:43

Local clock offset: -8.056 ms

Remote clock offset: 3.282 ms

Below is generated by plot.py at 2018-08-09 20:46:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 93.162 ms

Loss rate: 0.60%

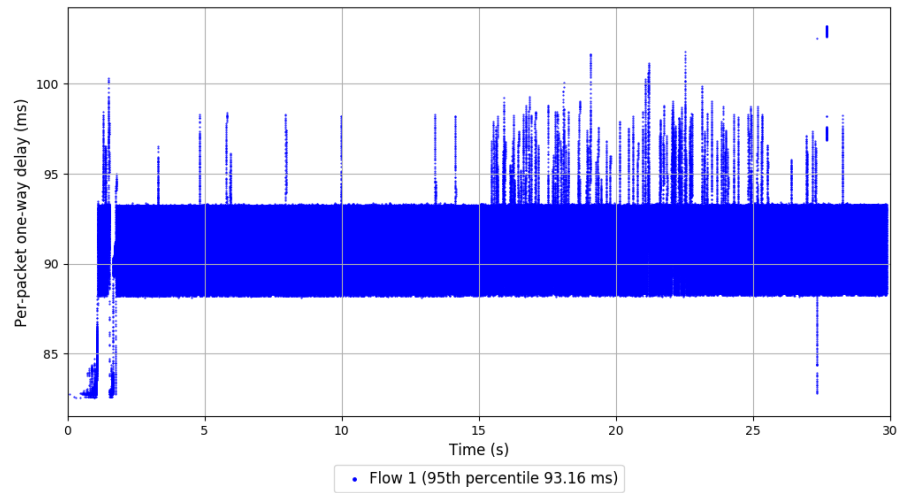
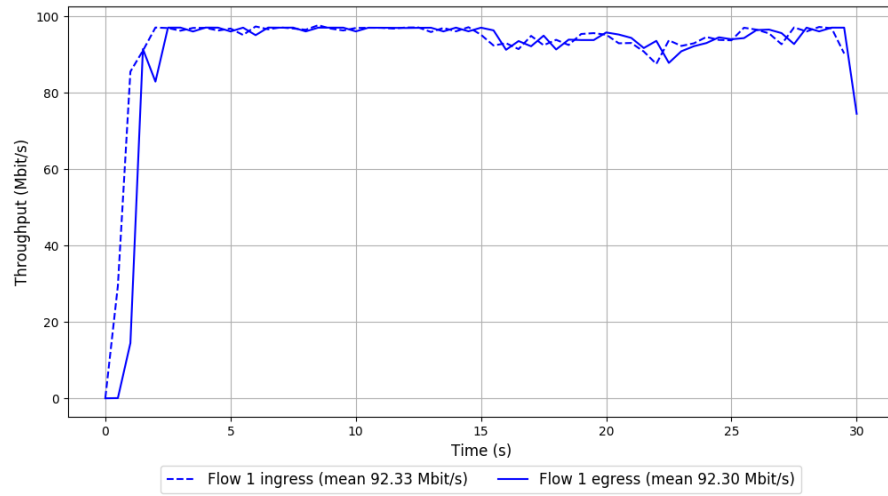
-- Flow 1:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 93.162 ms

Loss rate: 0.60%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-09 17:45:03

End at: 2018-08-09 17:45:33

Local clock offset: -8.145 ms

Remote clock offset: 3.921 ms

Below is generated by plot.py at 2018-08-09 20:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 93.559 ms

Loss rate: 0.59%

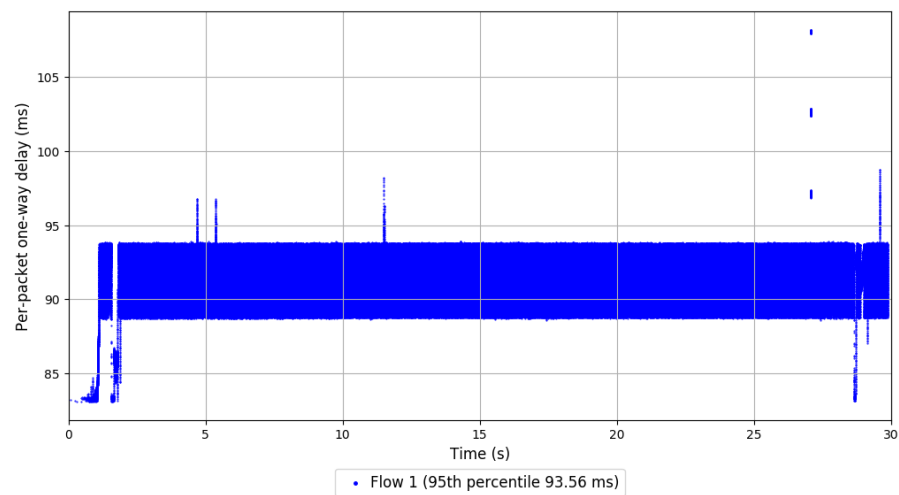
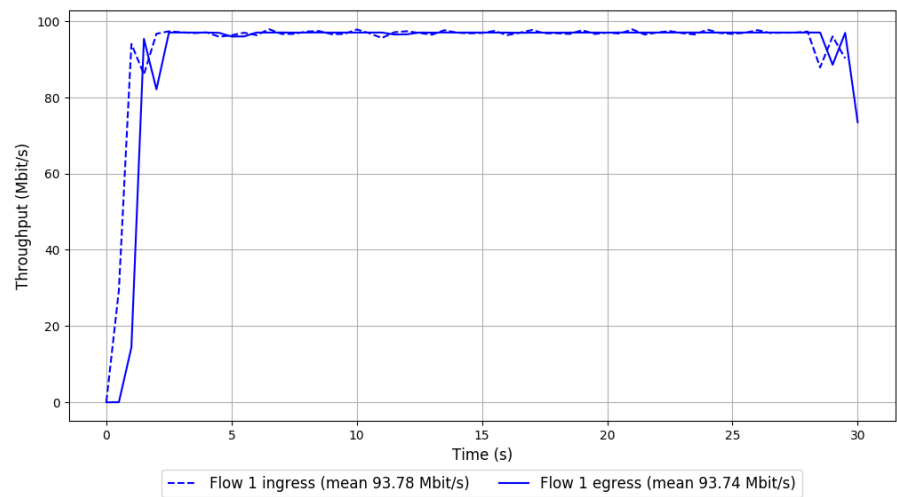
-- Flow 1:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 93.559 ms

Loss rate: 0.59%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-09 18:04:52

End at: 2018-08-09 18:05:22

Local clock offset: -8.064 ms

Remote clock offset: 4.822 ms

Below is generated by plot.py at 2018-08-09 20:46:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 93.637 ms

Loss rate: 0.60%

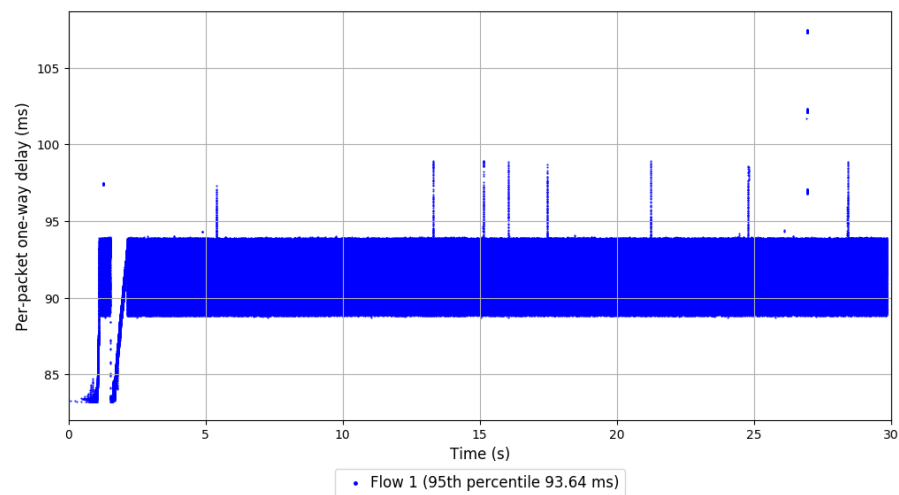
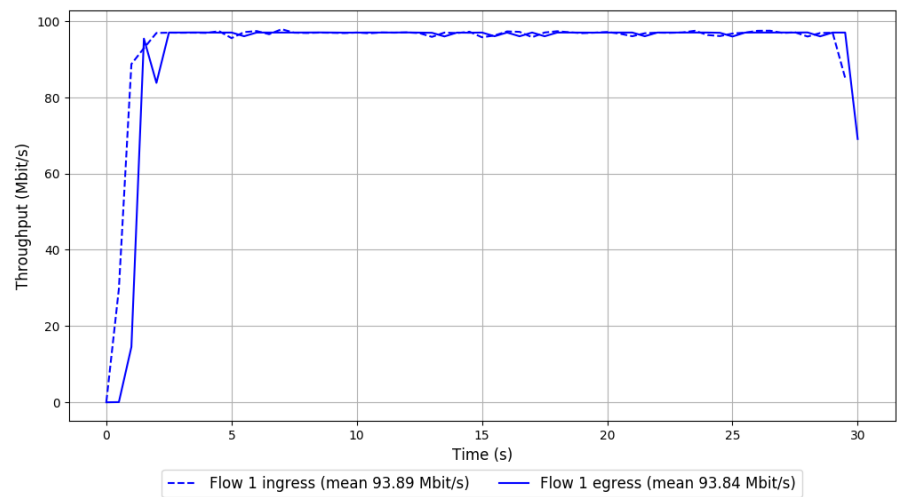
-- Flow 1:

Average throughput: 93.84 Mbit/s

95th percentile per-packet one-way delay: 93.637 ms

Loss rate: 0.60%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-09 18:24:42

End at: 2018-08-09 18:25:12

Local clock offset: -7.982 ms

Remote clock offset: 4.572 ms

Below is generated by plot.py at 2018-08-09 20:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 94.942 ms

Loss rate: 0.61%

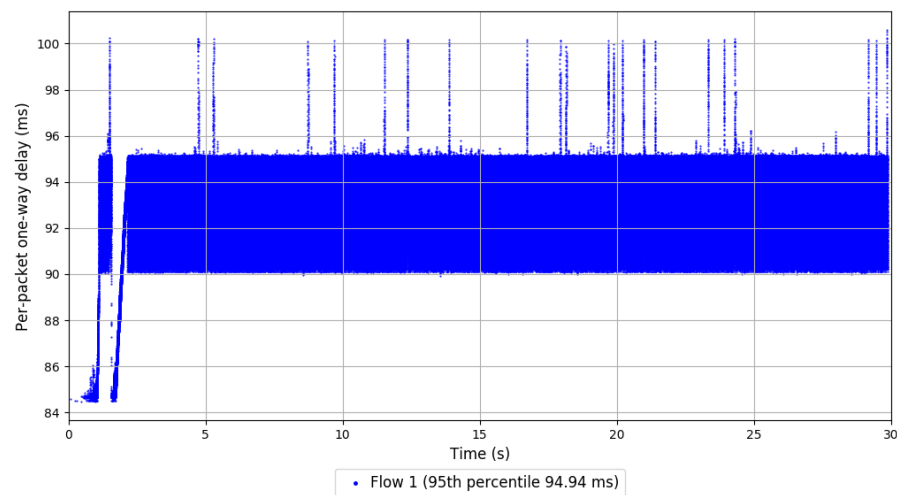
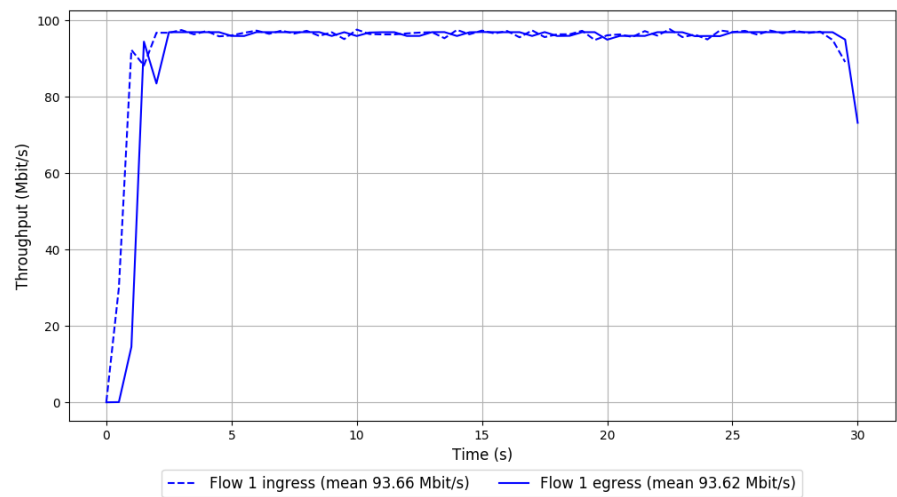
-- Flow 1:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 94.942 ms

Loss rate: 0.61%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-09 18:44:32

End at: 2018-08-09 18:45:02

Local clock offset: -8.054 ms

Remote clock offset: 4.476 ms

Below is generated by plot.py at 2018-08-09 20:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 94.057 ms

Loss rate: 0.60%

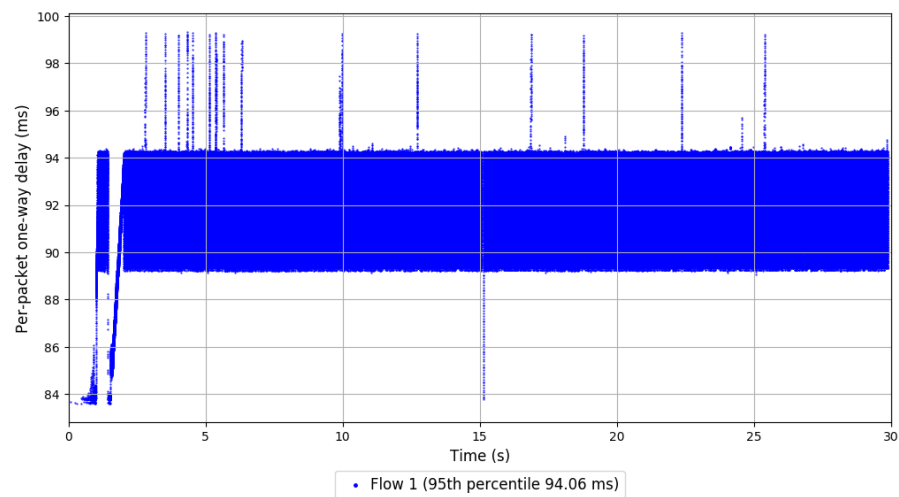
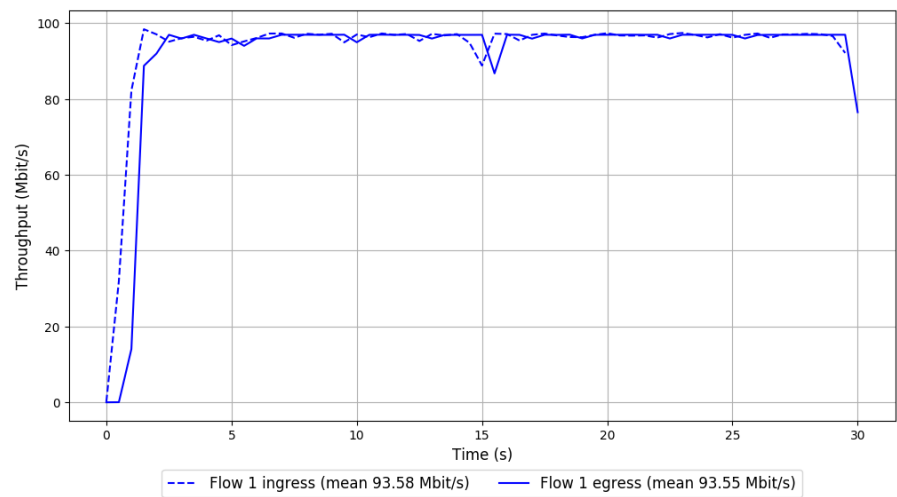
-- Flow 1:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 94.057 ms

Loss rate: 0.60%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 19:04:25

End at: 2018-08-09 19:04:55

Local clock offset: -2.719 ms

Remote clock offset: 4.579 ms

Below is generated by plot.py at 2018-08-09 20:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.28 Mbit/s

95th percentile per-packet one-way delay: 93.487 ms

Loss rate: 13.06%

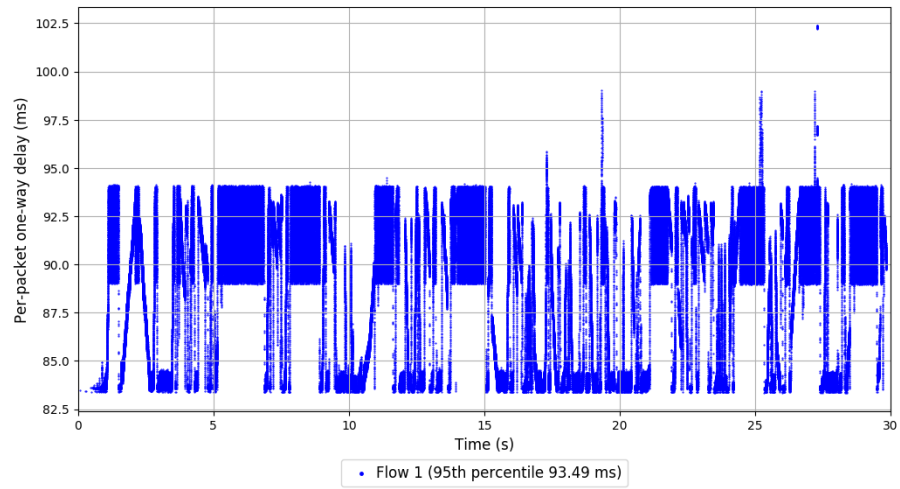
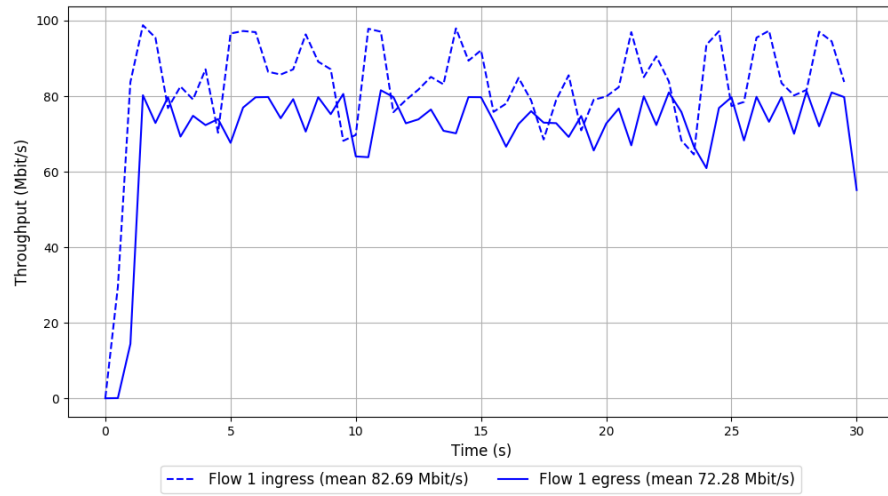
-- Flow 1:

Average throughput: 72.28 Mbit/s

95th percentile per-packet one-way delay: 93.487 ms

Loss rate: 13.06%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-09 19:24:33

End at: 2018-08-09 19:25:03

Local clock offset: -2.755 ms

Remote clock offset: 7.283 ms

Below is generated by plot.py at 2018-08-09 20:46:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 90.047 ms

Loss rate: 0.59%

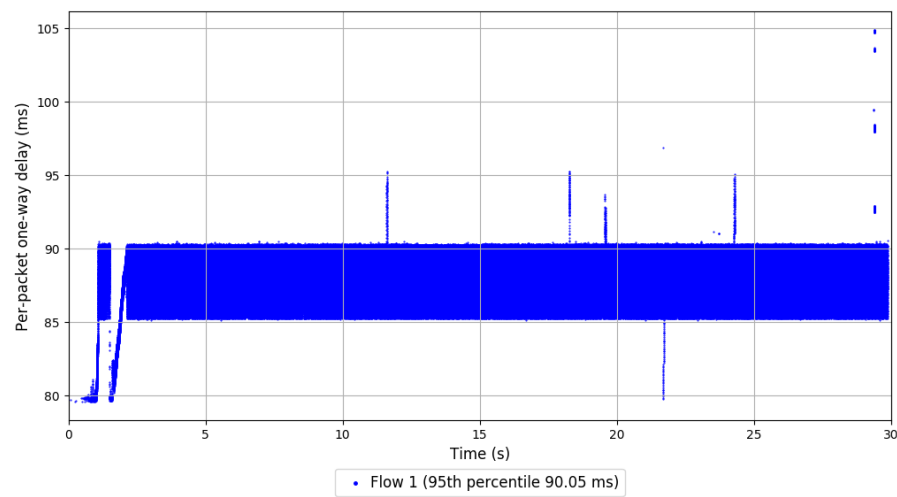
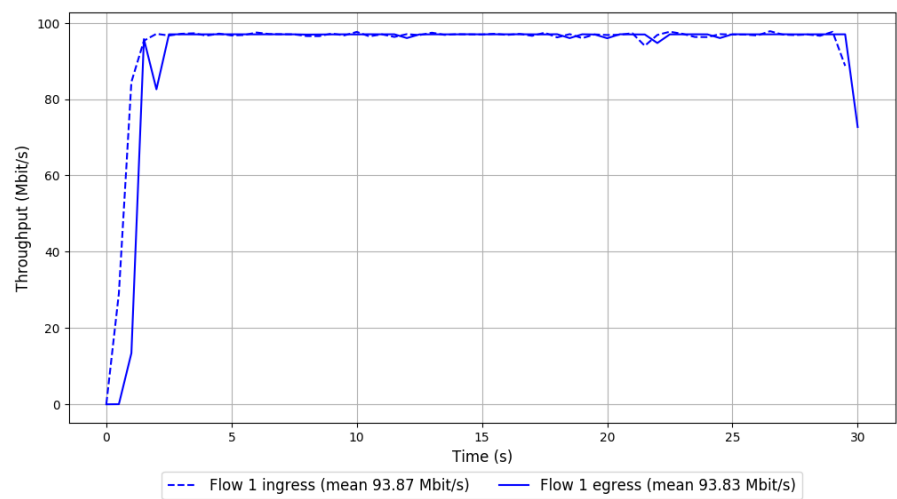
-- Flow 1:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 90.047 ms

Loss rate: 0.59%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-09 19:44:24

End at: 2018-08-09 19:44:54

Local clock offset: -2.719 ms

Remote clock offset: 3.47 ms

Below is generated by plot.py at 2018-08-09 20:47:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 94.581 ms

Loss rate: 0.58%

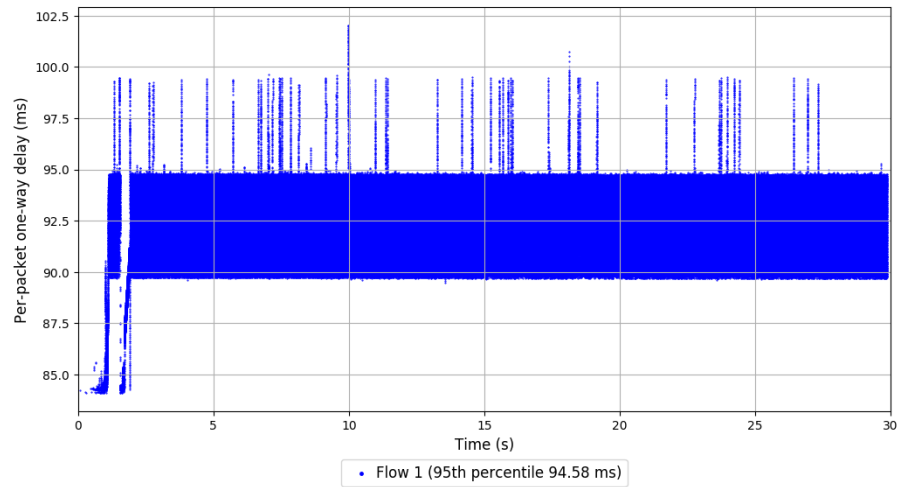
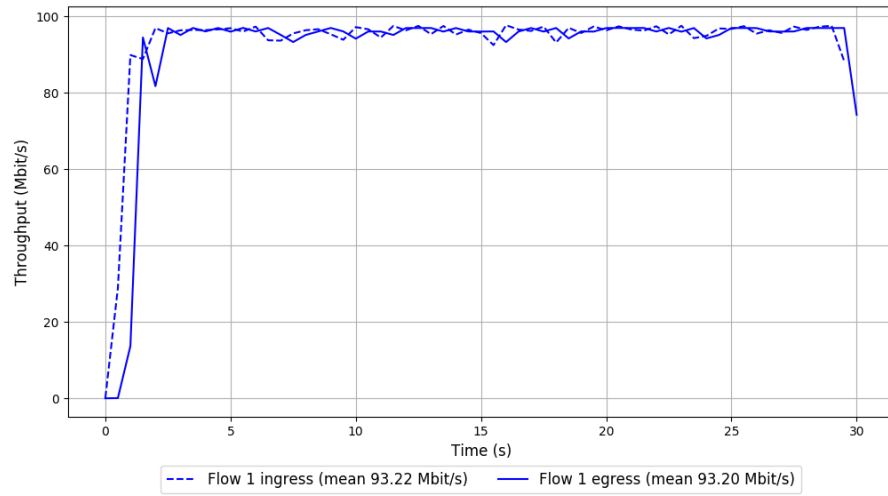
-- Flow 1:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 94.581 ms

Loss rate: 0.58%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-09 20:04:14

End at: 2018-08-09 20:04:44

Local clock offset: -1.94 ms

Remote clock offset: 3.126 ms

Below is generated by plot.py at 2018-08-09 20:47:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.21 Mbit/s

95th percentile per-packet one-way delay: 95.374 ms

Loss rate: 14.32%

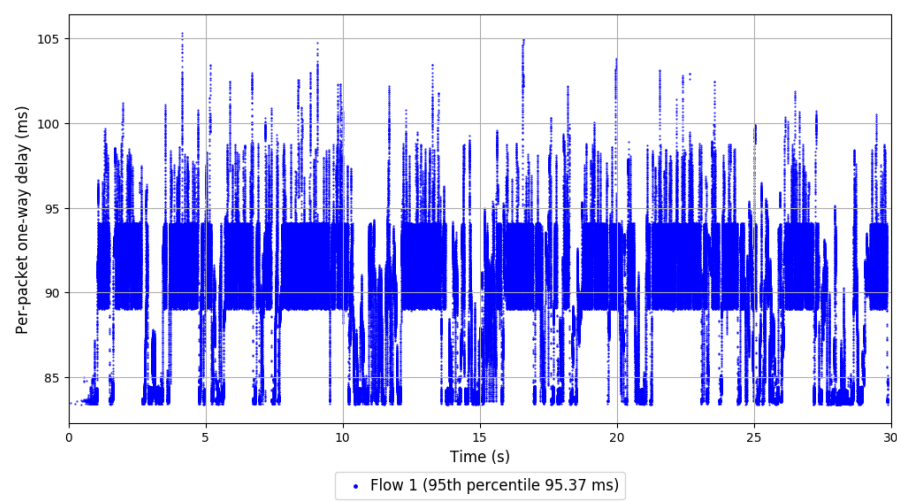
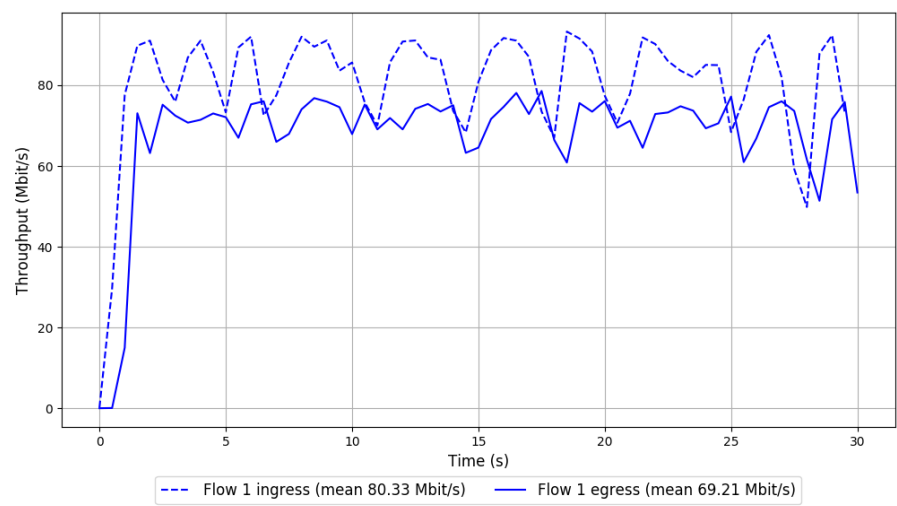
-- Flow 1:

Average throughput: 69.21 Mbit/s

95th percentile per-packet one-way delay: 95.374 ms

Loss rate: 14.32%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-09 20:24:15

End at: 2018-08-09 20:24:45

Local clock offset: -2.997 ms

Remote clock offset: 2.386 ms

Below is generated by plot.py at 2018-08-09 20:47:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 94.275 ms

Loss rate: 0.61%

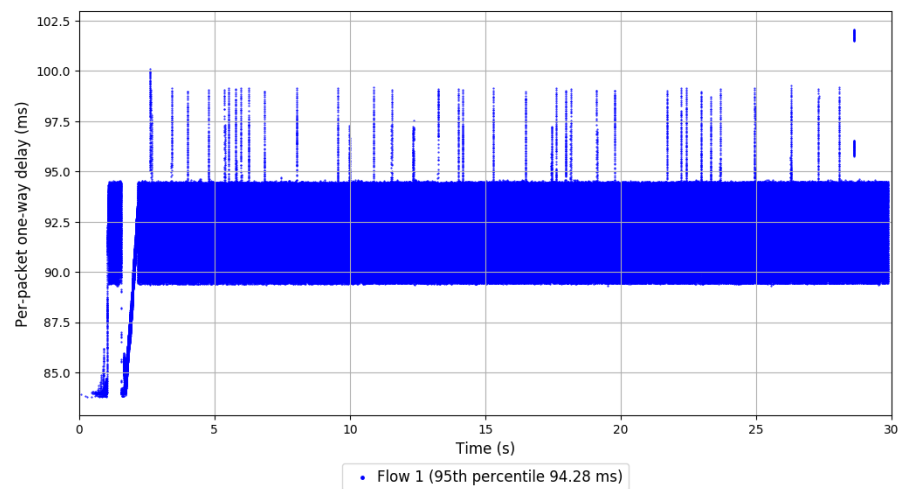
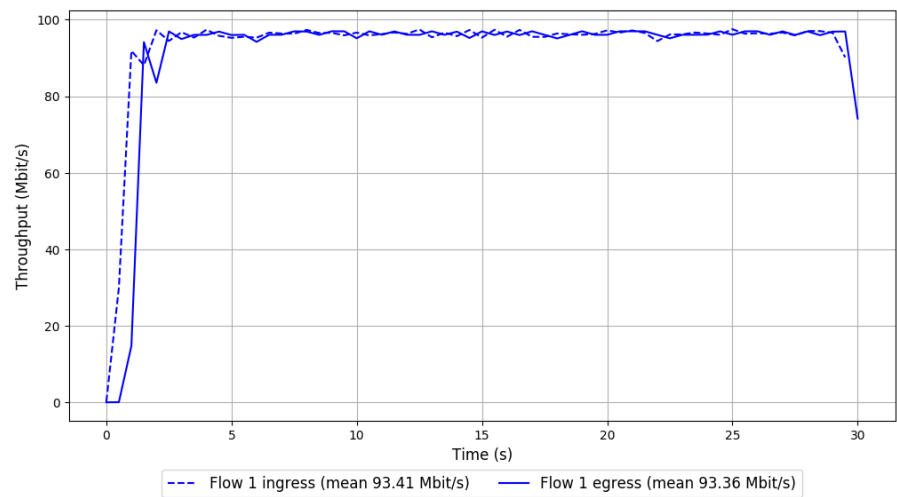
-- Flow 1:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 94.275 ms

Loss rate: 0.61%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 17:32:20

End at: 2018-08-09 17:32:50

Local clock offset: -8.103 ms

Remote clock offset: 3.396 ms

Below is generated by plot.py at 2018-08-09 20:47:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.54 Mbit/s

95th percentile per-packet one-way delay: 94.162 ms

Loss rate: 0.61%

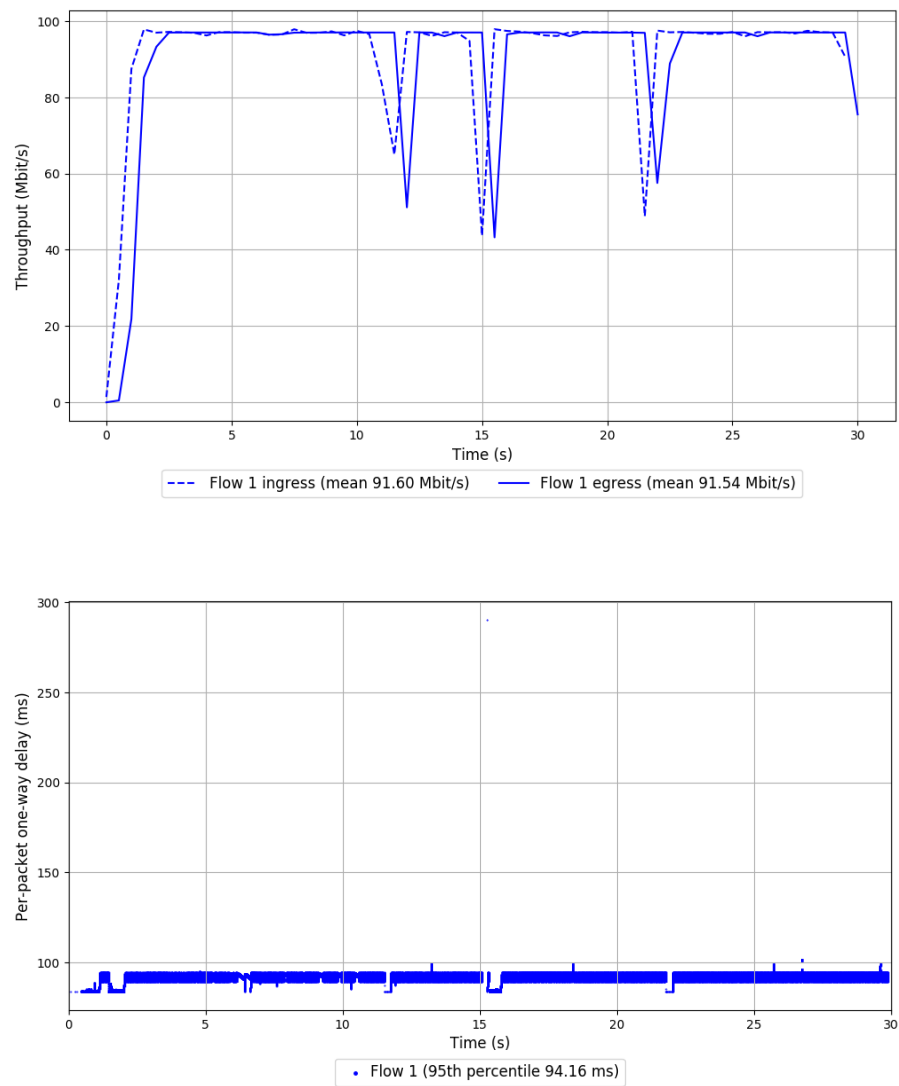
-- Flow 1:

Average throughput: 91.54 Mbit/s

95th percentile per-packet one-way delay: 94.162 ms

Loss rate: 0.61%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 17:52:09

End at: 2018-08-09 17:52:39

Local clock offset: -8.019 ms

Remote clock offset: 4.703 ms

Below is generated by plot.py at 2018-08-09 20:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 94.057 ms

Loss rate: 0.61%

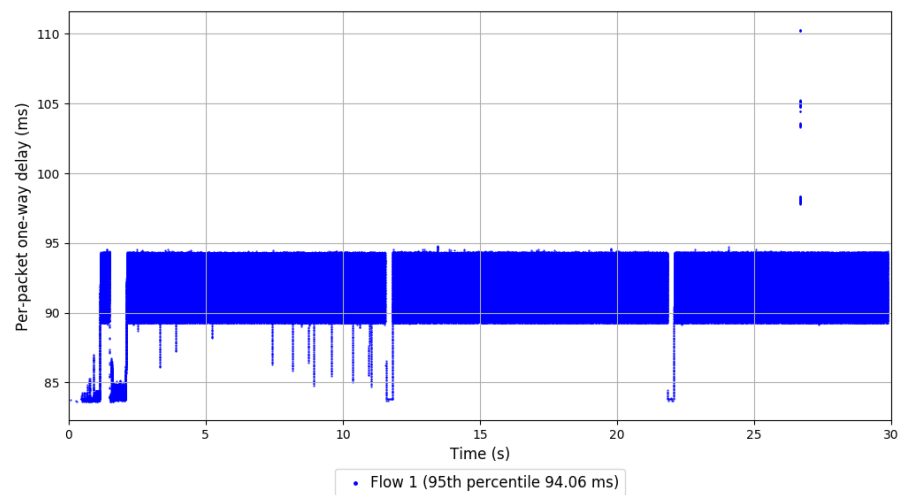
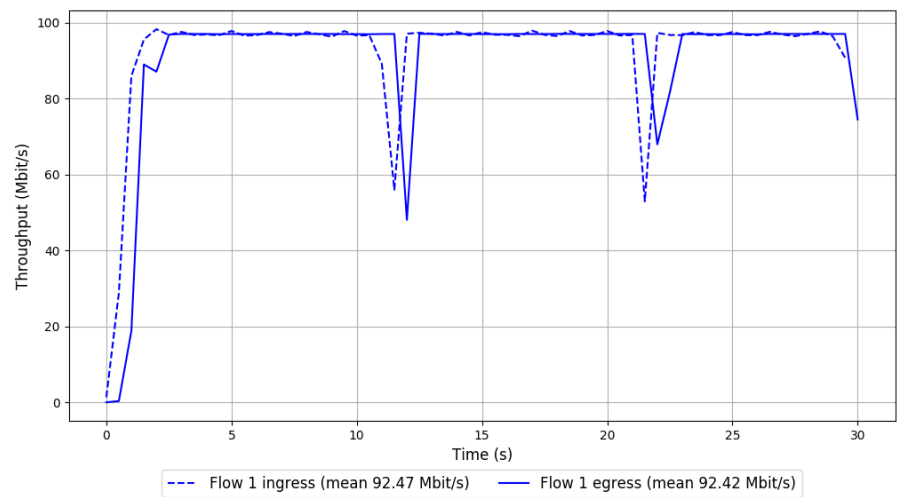
-- Flow 1:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 94.057 ms

Loss rate: 0.61%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 18:11:57

End at: 2018-08-09 18:12:27

Local clock offset: -8.055 ms

Remote clock offset: 7.783 ms

Below is generated by plot.py at 2018-08-09 20:48:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.26 Mbit/s

95th percentile per-packet one-way delay: 90.968 ms

Loss rate: 17.83%

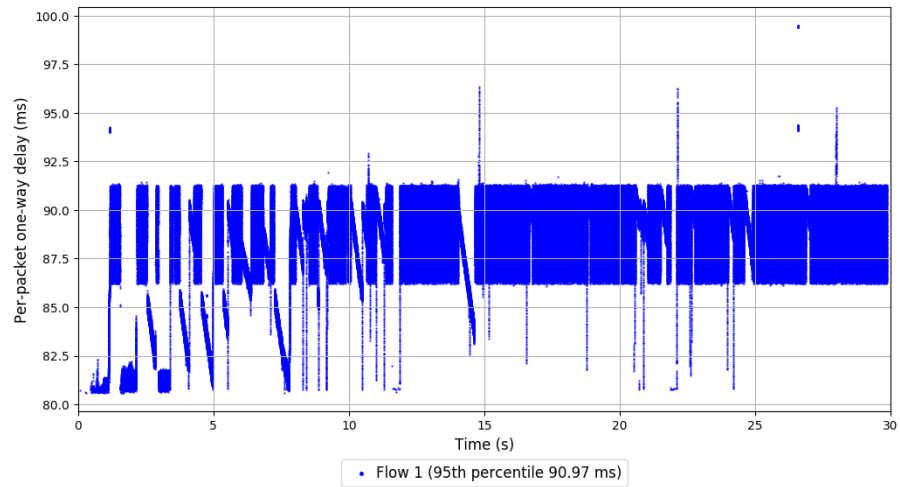
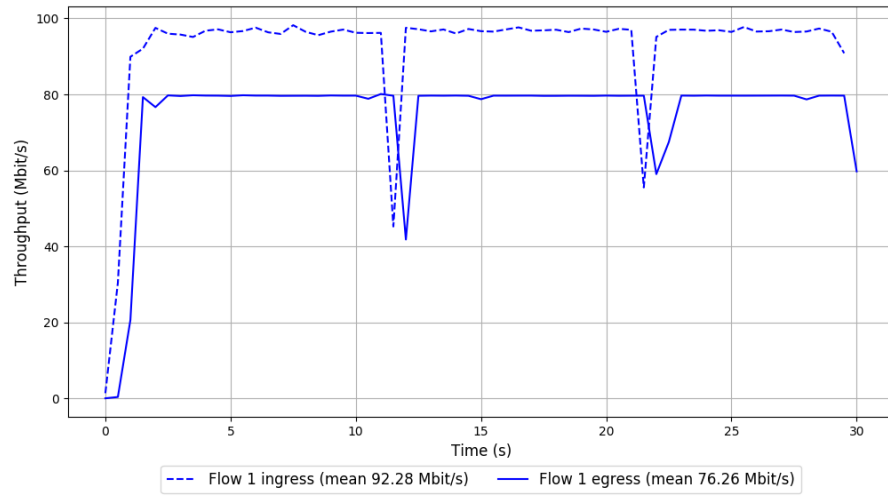
-- Flow 1:

Average throughput: 76.26 Mbit/s

95th percentile per-packet one-way delay: 90.968 ms

Loss rate: 17.83%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 18:31:50

End at: 2018-08-09 18:32:20

Local clock offset: -7.993 ms

Remote clock offset: 9.055 ms

Below is generated by plot.py at 2018-08-09 20:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.74 Mbit/s

95th percentile per-packet one-way delay: 89.660 ms

Loss rate: 0.62%

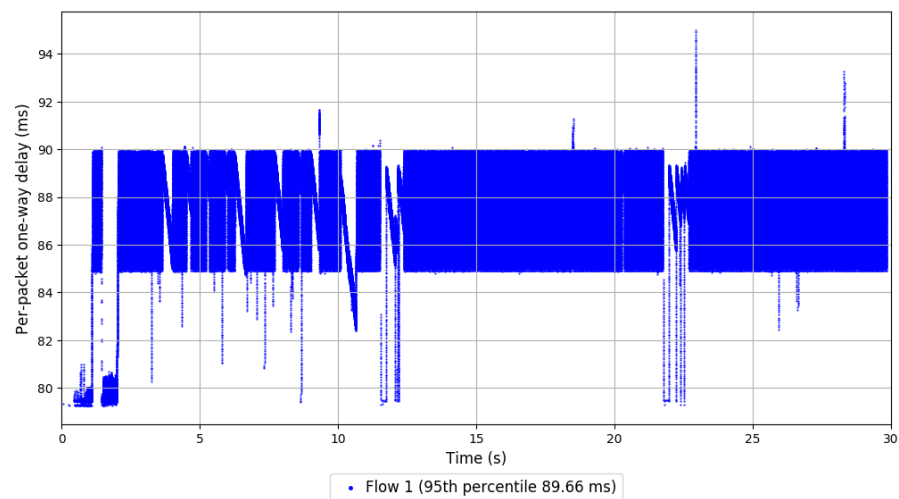
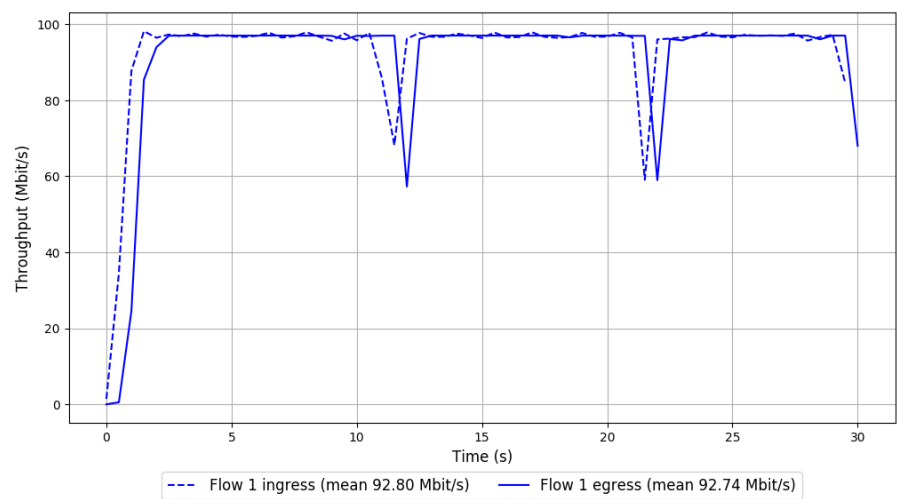
-- Flow 1:

Average throughput: 92.74 Mbit/s

95th percentile per-packet one-way delay: 89.660 ms

Loss rate: 0.62%

Run 4: Report of FillP-Sheep — Data Link

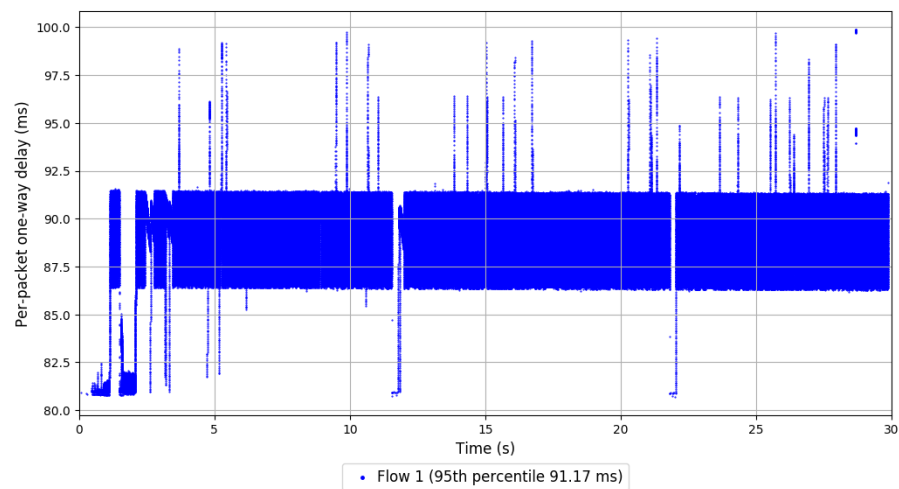
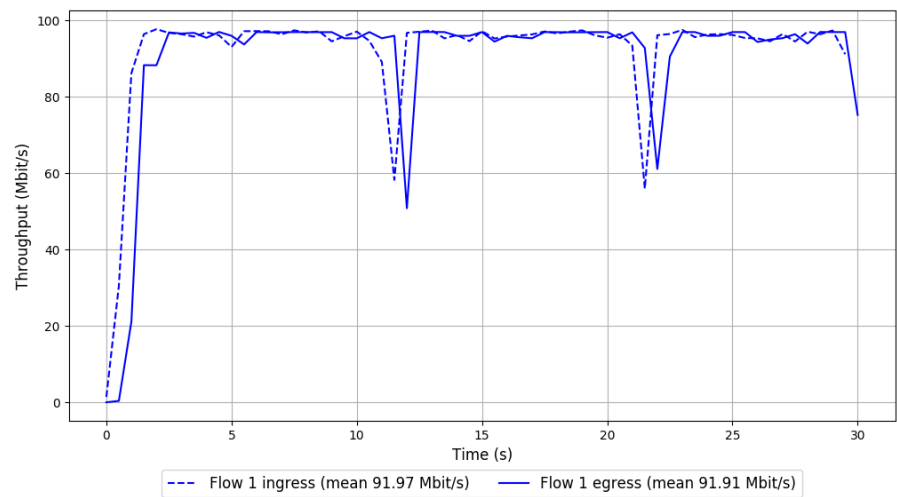


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 18:51:40
End at: 2018-08-09 18:52:10
Local clock offset: -5.367 ms
Remote clock offset: 8.228 ms

Below is generated by plot.py at 2018-08-09 20:48:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 91.173 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 91.173 ms
Loss rate: 0.60%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 19:11:51

End at: 2018-08-09 19:12:21

Local clock offset: -2.049 ms

Remote clock offset: 4.19 ms

Below is generated by plot.py at 2018-08-09 20:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 94.177 ms

Loss rate: 0.61%

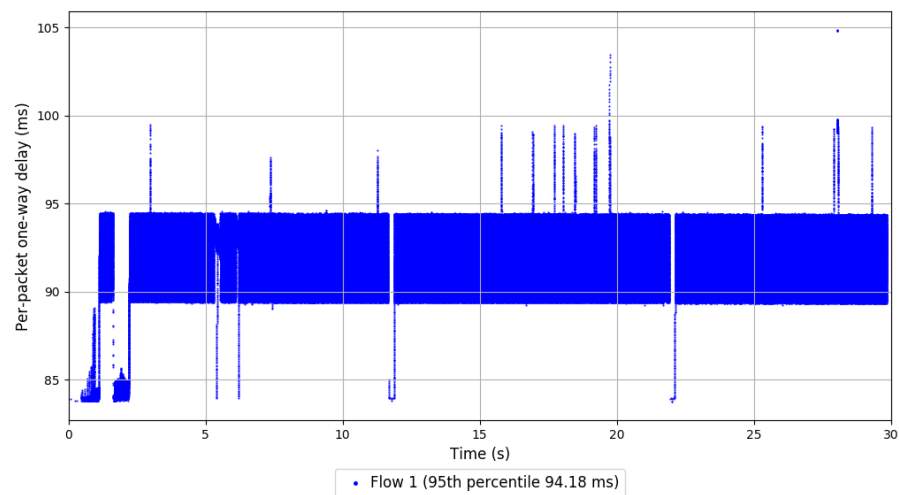
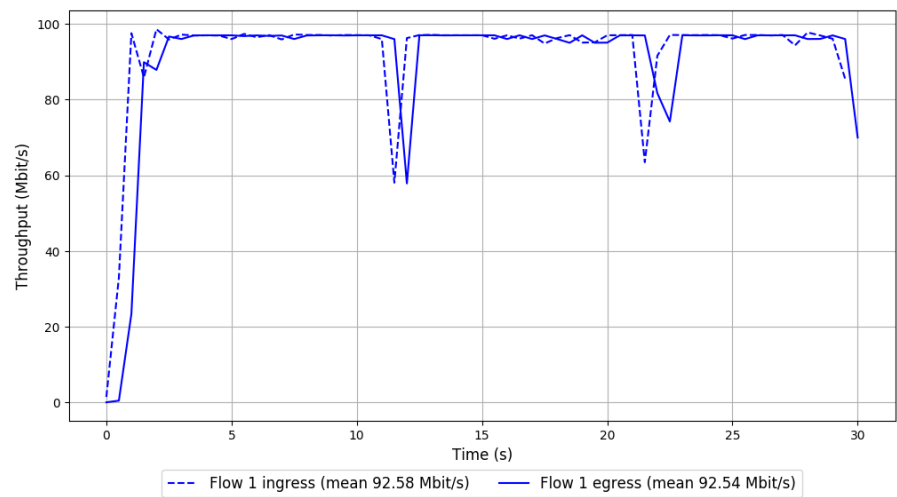
-- Flow 1:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 94.177 ms

Loss rate: 0.61%

Run 6: Report of FillP-Sheep — Data Link

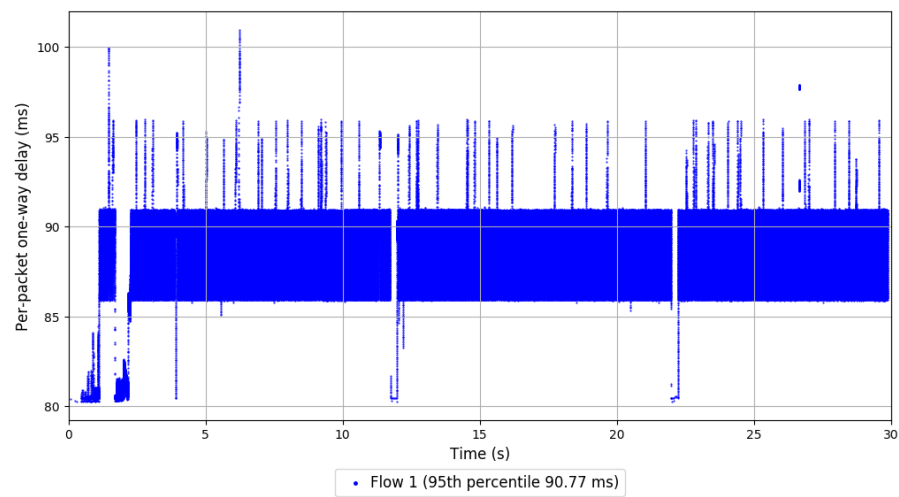
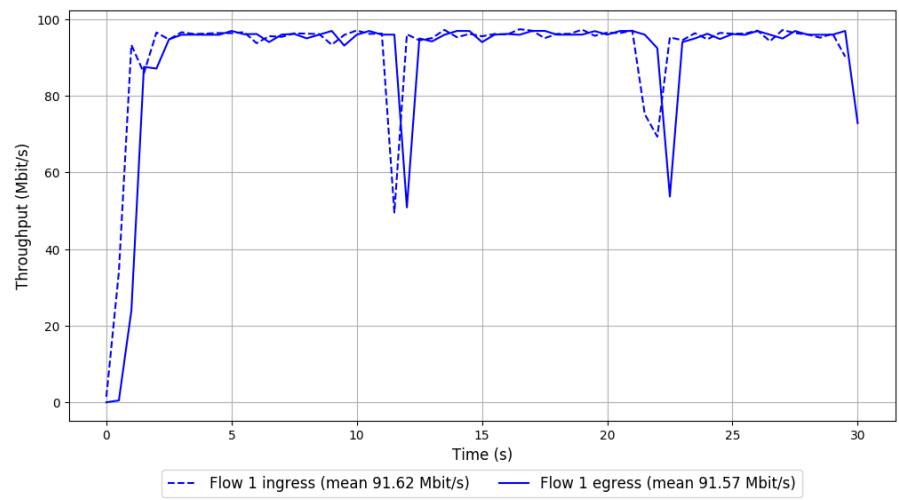


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 19:31:41
End at: 2018-08-09 19:32:11
Local clock offset: -2.942 ms
Remote clock offset: 7.273 ms

Below is generated by plot.py at 2018-08-09 20:48:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.57 Mbit/s
95th percentile per-packet one-way delay: 90.765 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 91.57 Mbit/s
95th percentile per-packet one-way delay: 90.765 ms
Loss rate: 0.61%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 19:51:30

End at: 2018-08-09 19:52:00

Local clock offset: -2.433 ms

Remote clock offset: 3.416 ms

Below is generated by plot.py at 2018-08-09 20:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 94.398 ms

Loss rate: 0.61%

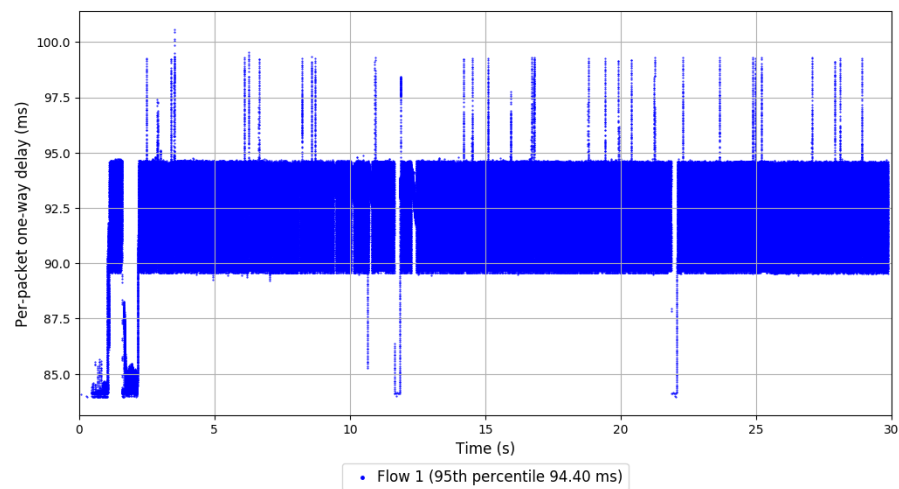
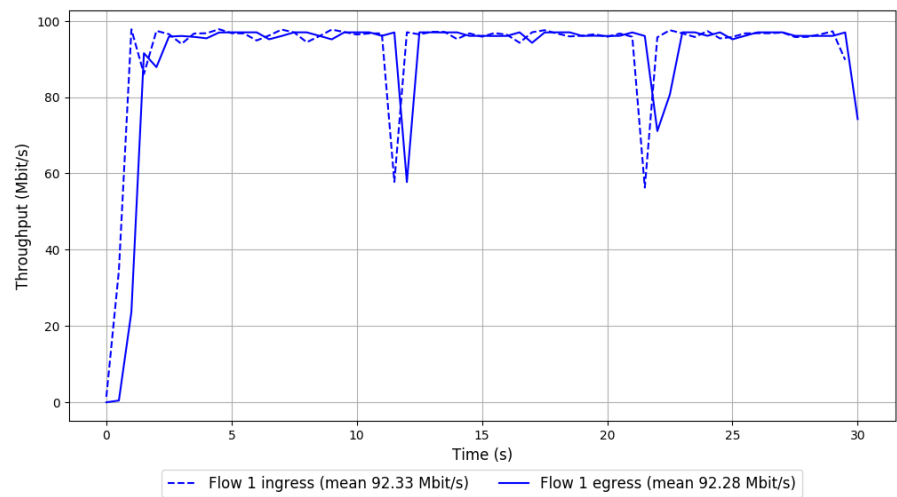
-- Flow 1:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 94.398 ms

Loss rate: 0.61%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 20:11:31

End at: 2018-08-09 20:12:01

Local clock offset: -1.673 ms

Remote clock offset: 6.125 ms

Below is generated by plot.py at 2018-08-09 20:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 90.001 ms

Loss rate: 0.61%

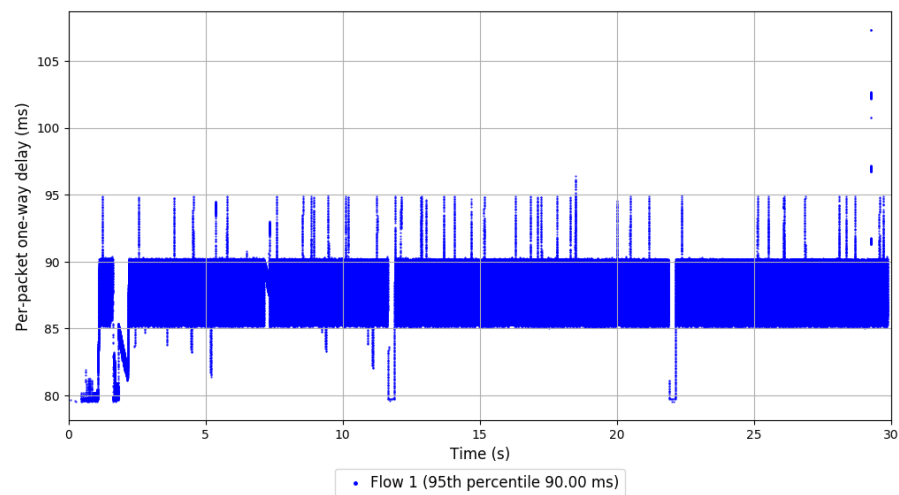
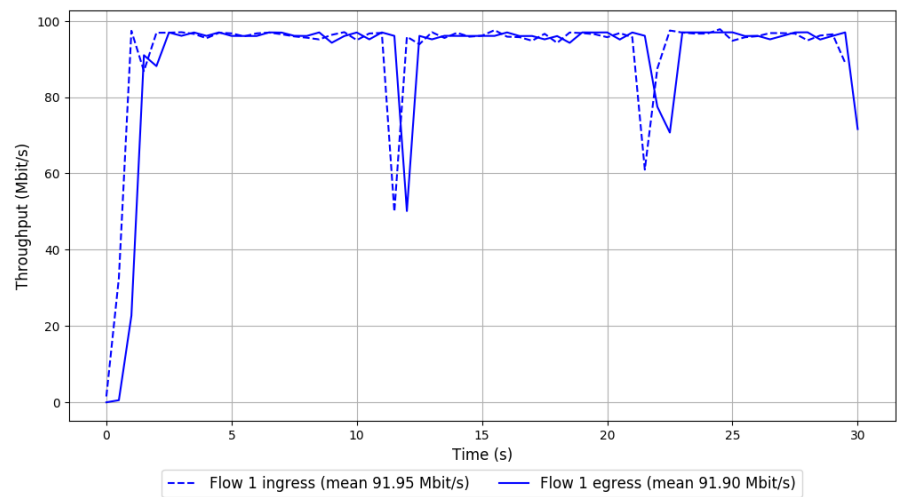
-- Flow 1:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 90.001 ms

Loss rate: 0.61%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 20:31:25

End at: 2018-08-09 20:31:55

Local clock offset: -3.443 ms

Remote clock offset: 6.089 ms

Below is generated by plot.py at 2018-08-09 20:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 89.834 ms

Loss rate: 0.60%

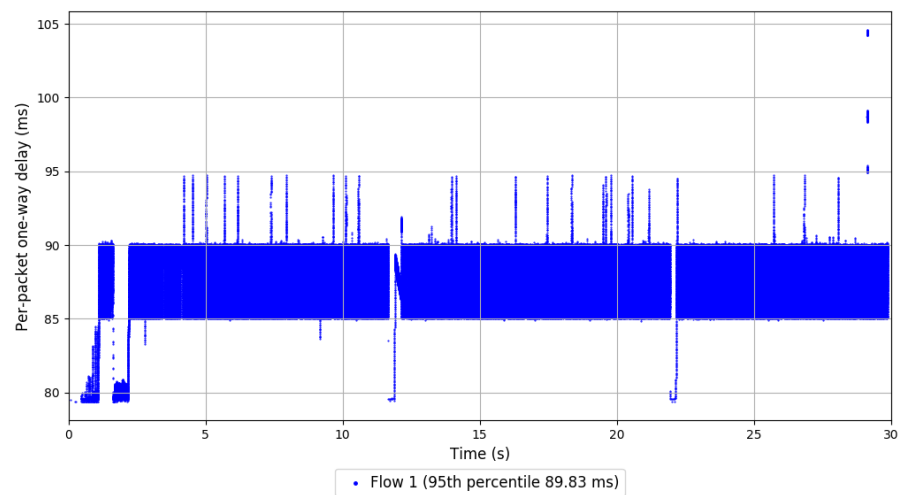
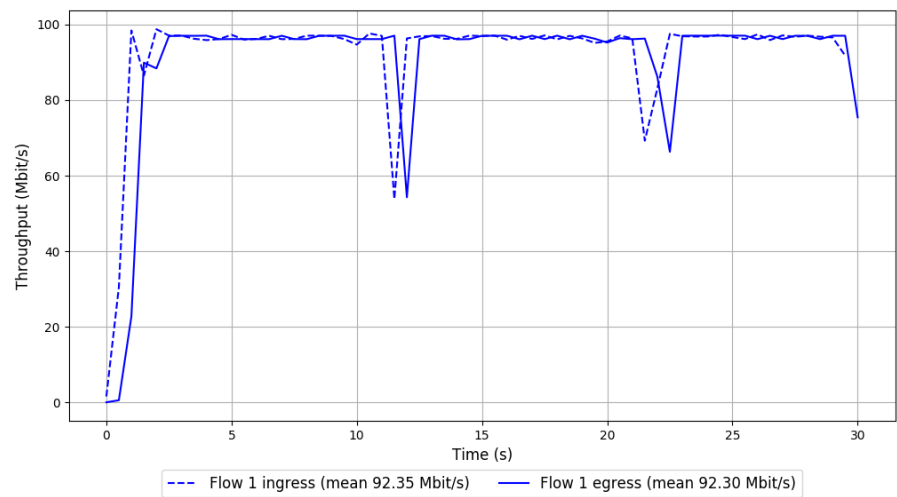
-- Flow 1:

Average throughput: 92.30 Mbit/s

95th percentile per-packet one-way delay: 89.834 ms

Loss rate: 0.60%

Run 10: Report of FillP-Sheep — Data Link

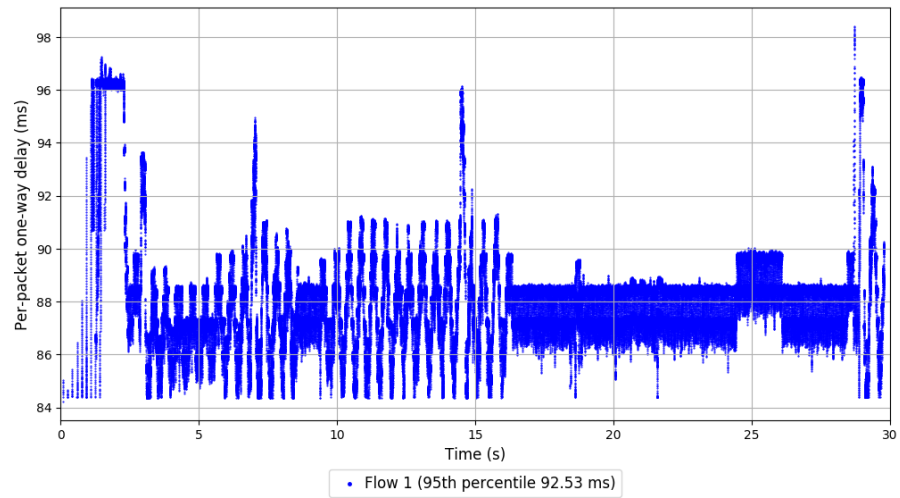
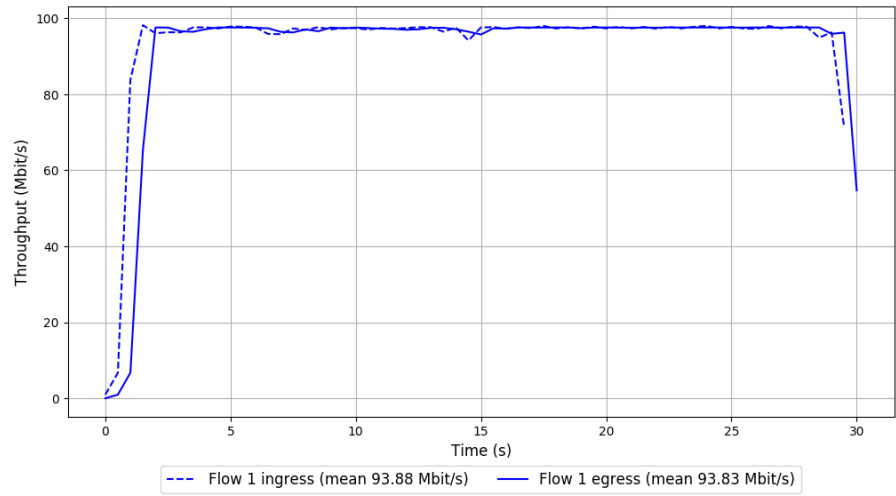


```
Run 1: Statistics of Indigo

Start at: 2018-08-09 17:39:13
End at: 2018-08-09 17:39:43
Local clock offset: -8.066 ms
Remote clock offset: 4.089 ms

# Below is generated by plot.py at 2018-08-09 20:49:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 92.534 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 92.534 ms
Loss rate: 0.60%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-09 17:59:02

End at: 2018-08-09 17:59:32

Local clock offset: -7.983 ms

Remote clock offset: 7.71 ms

Below is generated by plot.py at 2018-08-09 20:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 92.166 ms

Loss rate: 0.76%

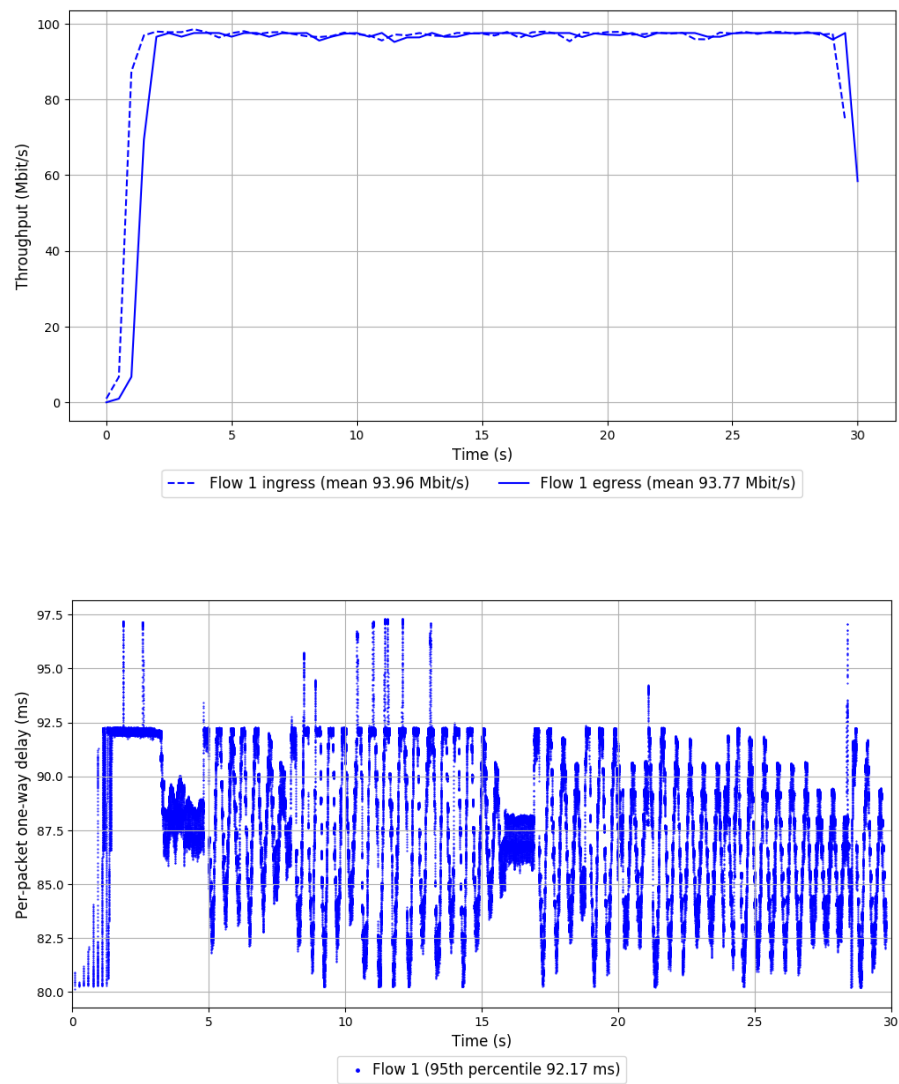
-- Flow 1:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 92.166 ms

Loss rate: 0.76%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-09 18:18:51

End at: 2018-08-09 18:19:21

Local clock offset: -8.089 ms

Remote clock offset: 8.276 ms

Below is generated by plot.py at 2018-08-09 20:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 0.59%

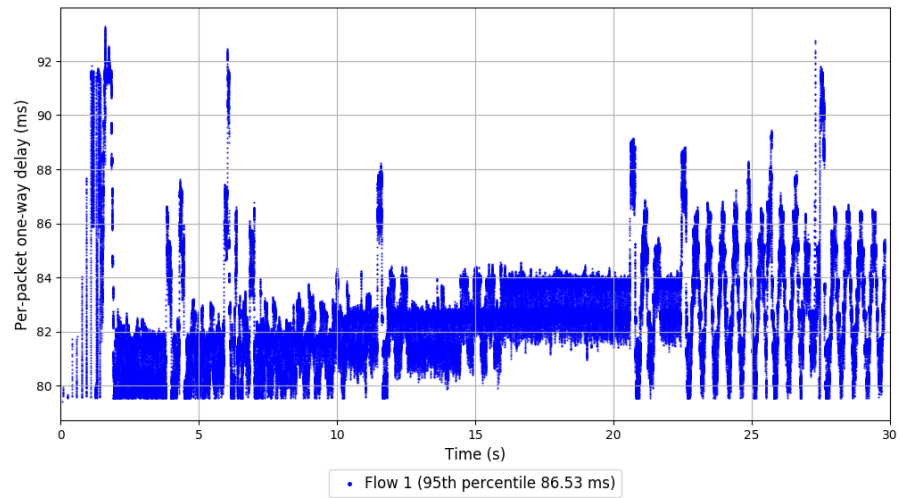
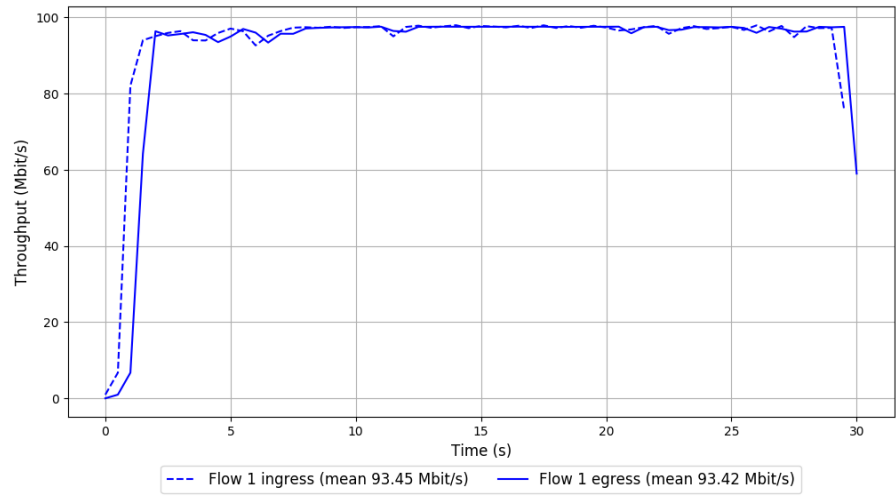
-- Flow 1:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 0.59%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-09 18:38:43

End at: 2018-08-09 18:39:13

Local clock offset: -8.027 ms

Remote clock offset: 7.883 ms

Below is generated by plot.py at 2018-08-09 20:49:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 91.895 ms

Loss rate: 0.62%

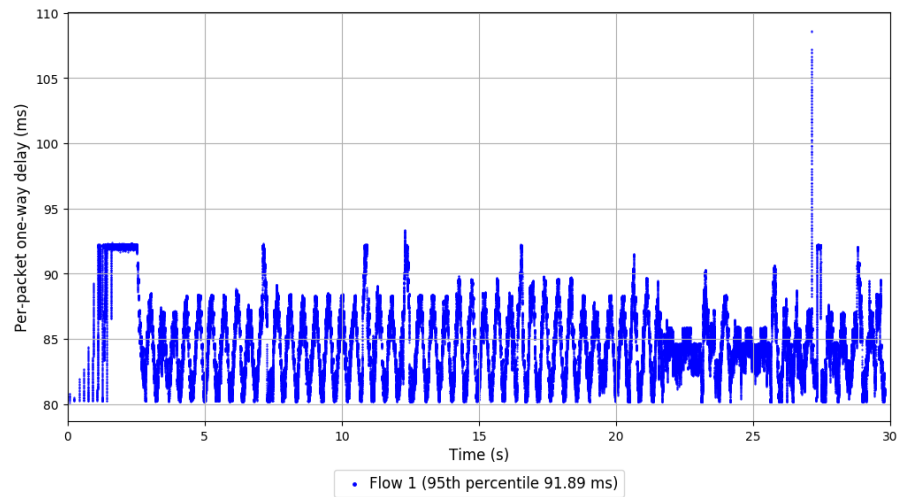
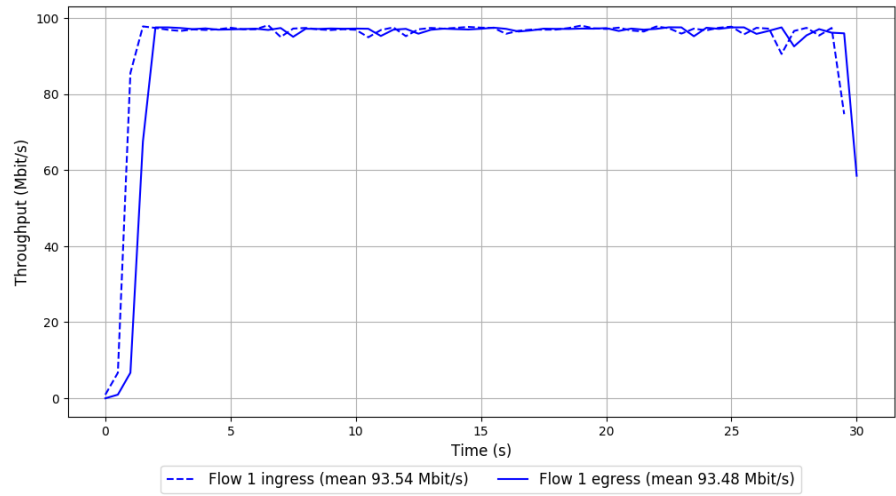
-- Flow 1:

Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 91.895 ms

Loss rate: 0.62%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-09 18:58:34

End at: 2018-08-09 18:59:04

Local clock offset: -3.632 ms

Remote clock offset: 4.894 ms

Below is generated by plot.py at 2018-08-09 20:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 95.157 ms

Loss rate: 0.59%

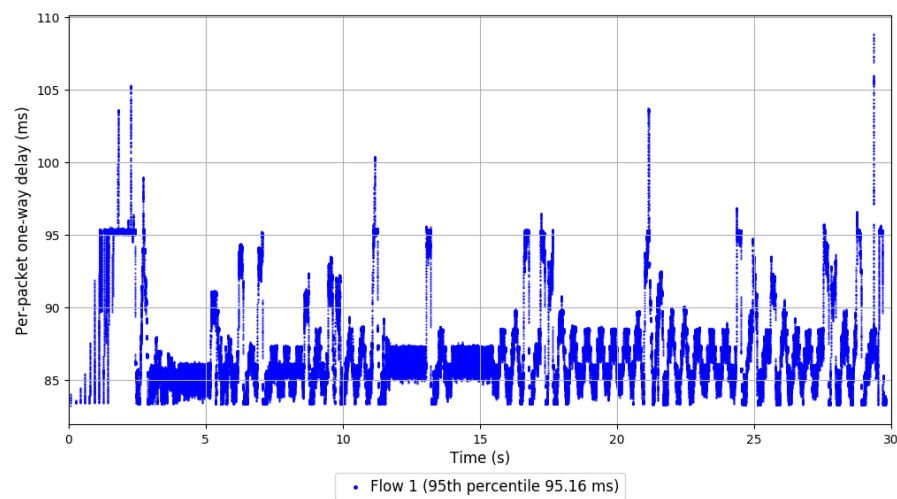
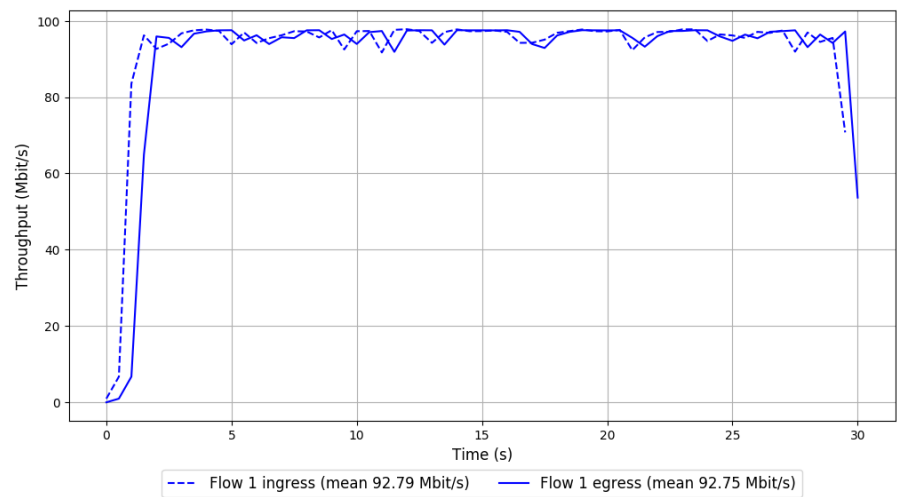
-- Flow 1:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 95.157 ms

Loss rate: 0.59%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-09 19:18:45

End at: 2018-08-09 19:19:15

Local clock offset: -2.184 ms

Remote clock offset: 7.341 ms

Below is generated by plot.py at 2018-08-09 20:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 92.819 ms

Loss rate: 1.27%

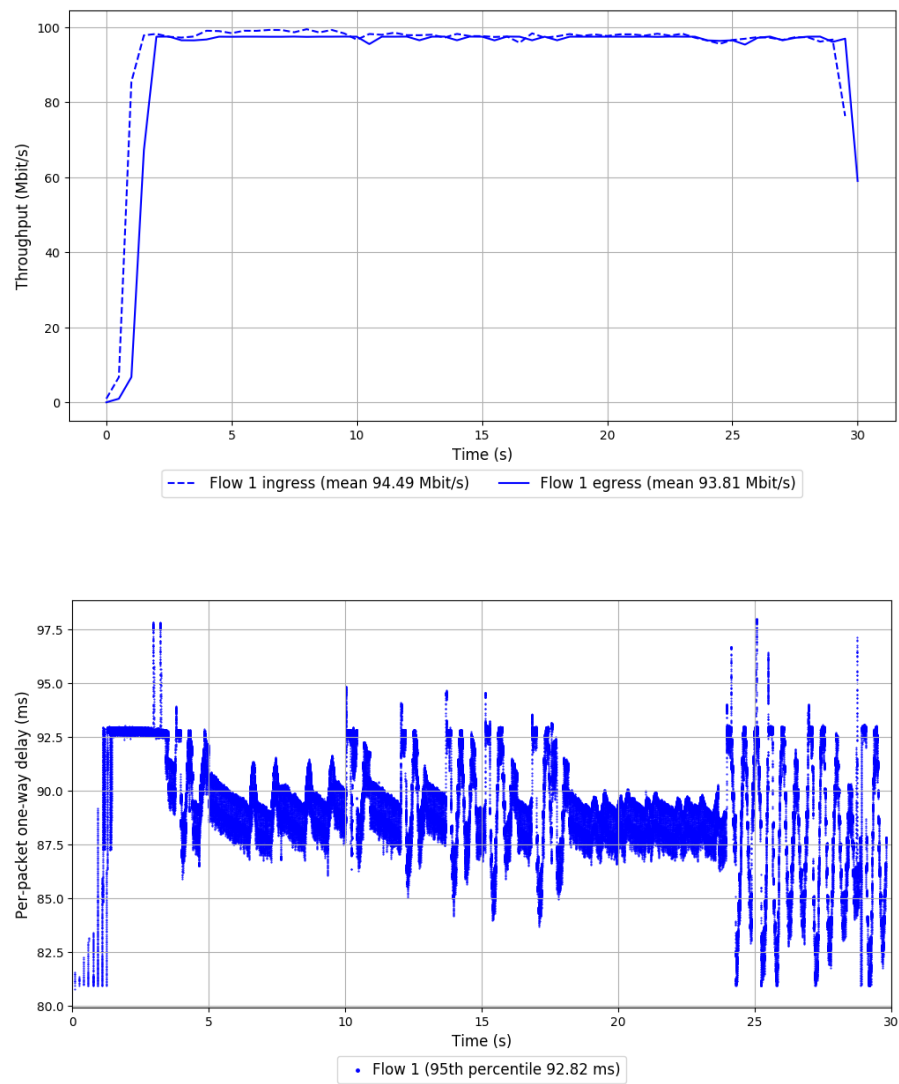
-- Flow 1:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 92.819 ms

Loss rate: 1.27%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-09 19:38:34

End at: 2018-08-09 19:39:04

Local clock offset: -2.851 ms

Remote clock offset: 3.454 ms

Below is generated by plot.py at 2018-08-09 20:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: 96.070 ms

Loss rate: 0.60%

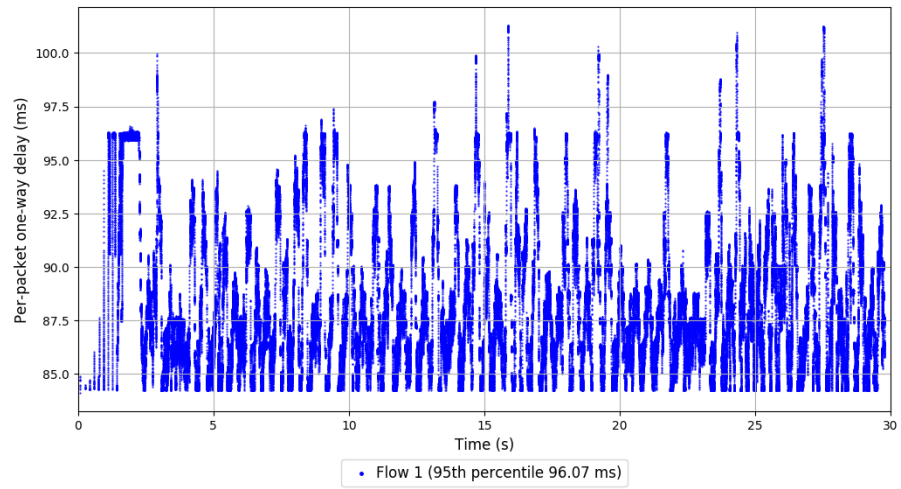
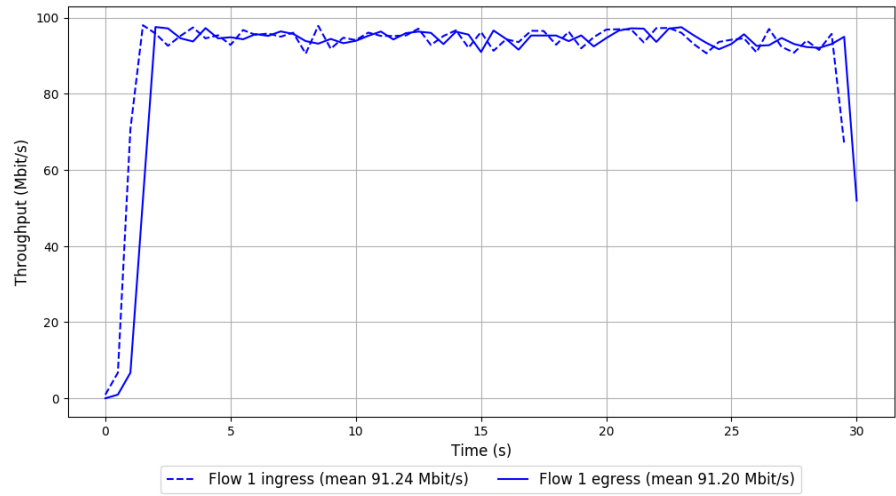
-- Flow 1:

Average throughput: 91.20 Mbit/s

95th percentile per-packet one-way delay: 96.070 ms

Loss rate: 0.60%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-09 19:58:24

End at: 2018-08-09 19:58:54

Local clock offset: -2.163 ms

Remote clock offset: 3.256 ms

Below is generated by plot.py at 2018-08-09 20:50:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.46 Mbit/s

95th percentile per-packet one-way delay: 95.296 ms

Loss rate: 2.27%

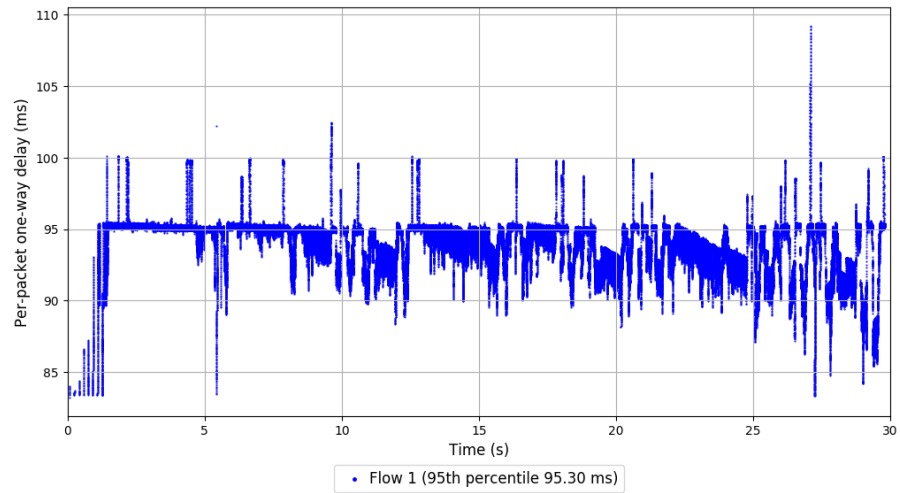
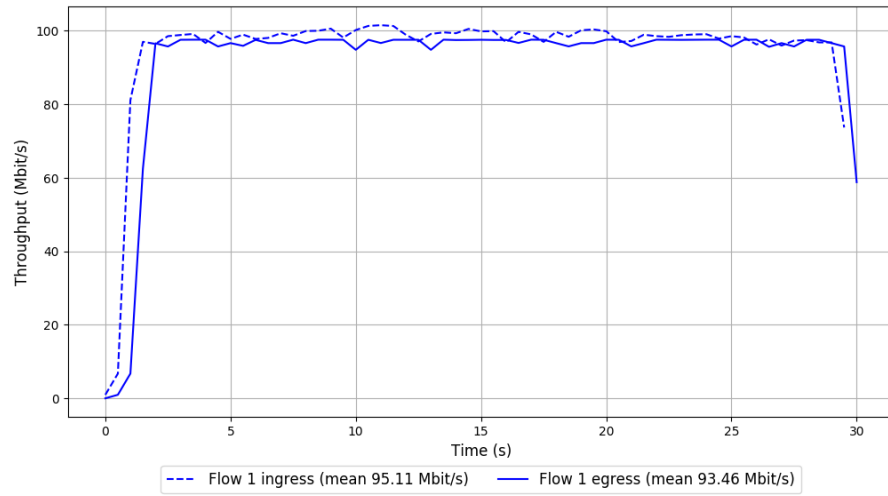
-- Flow 1:

Average throughput: 93.46 Mbit/s

95th percentile per-packet one-way delay: 95.296 ms

Loss rate: 2.27%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 20:18:24

End at: 2018-08-09 20:18:54

Local clock offset: -2.202 ms

Remote clock offset: 2.463 ms

Below is generated by plot.py at 2018-08-09 20:50:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 94.357 ms

Loss rate: 0.58%

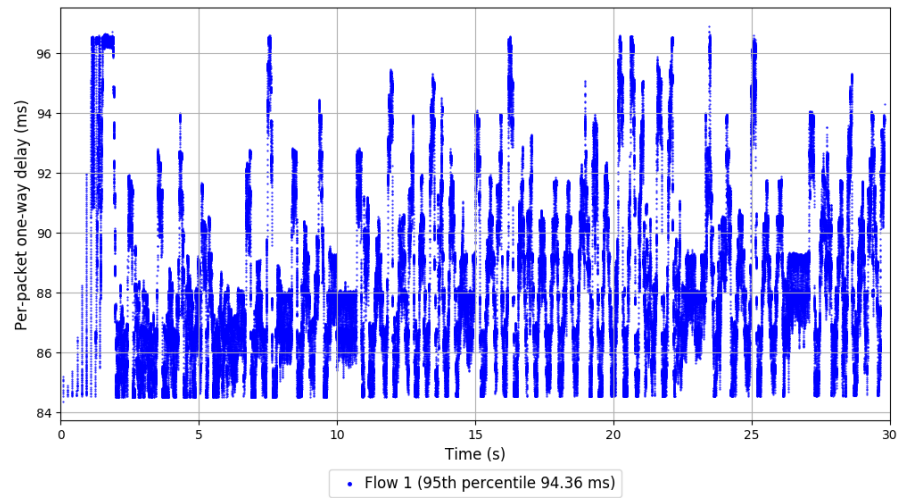
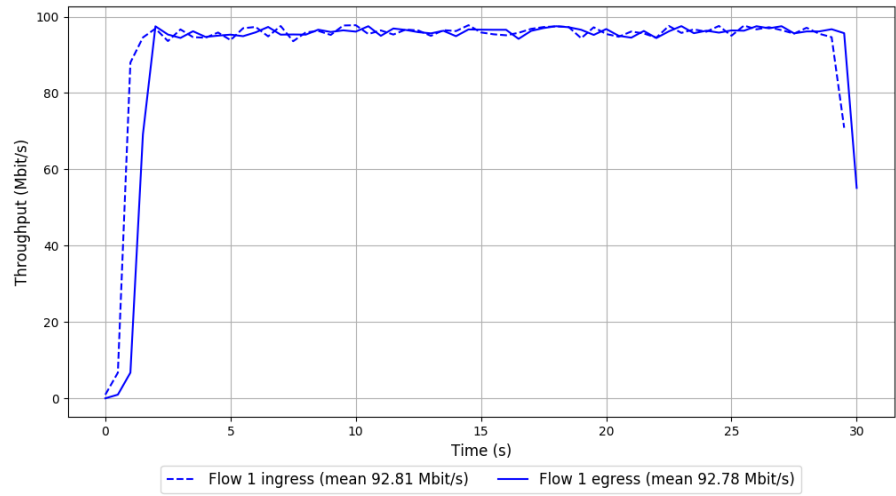
-- Flow 1:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 94.357 ms

Loss rate: 0.58%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 20:38:19

End at: 2018-08-09 20:38:49

Local clock offset: -3.622 ms

Remote clock offset: 5.425 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 89.473 ms

Loss rate: 0.60%

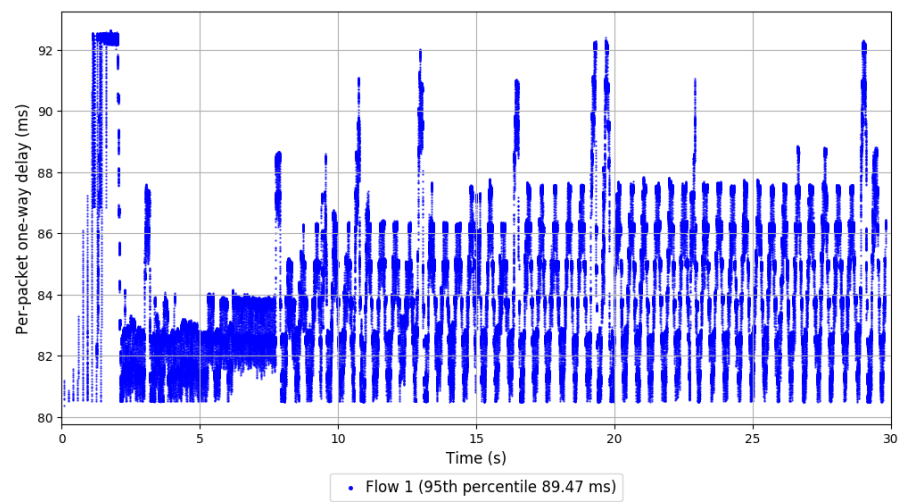
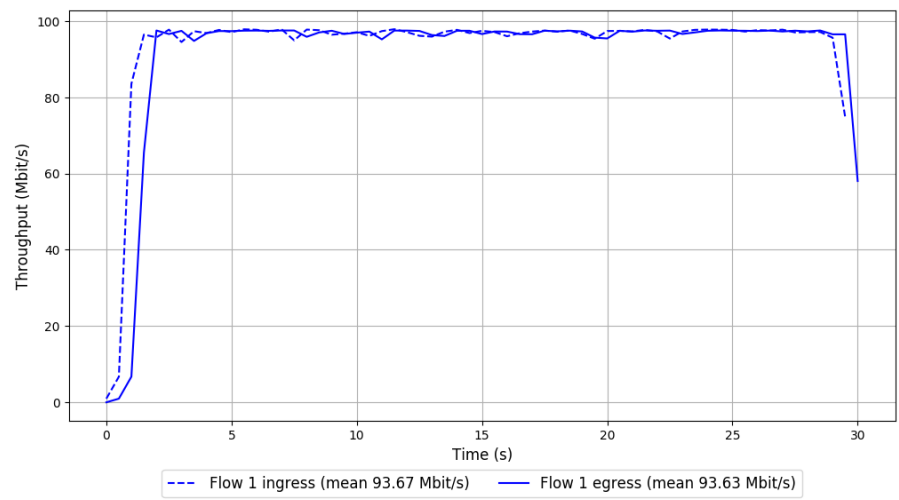
-- Flow 1:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 89.473 ms

Loss rate: 0.60%

Run 10: Report of Indigo — Data Link

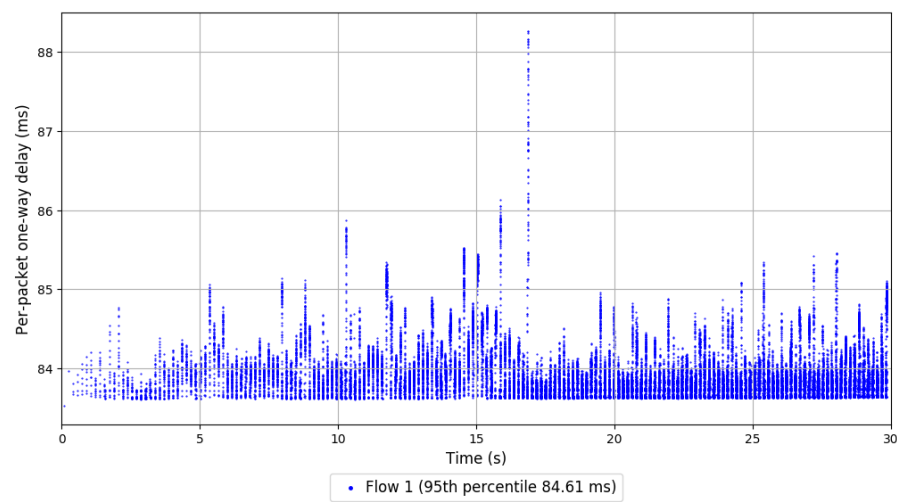
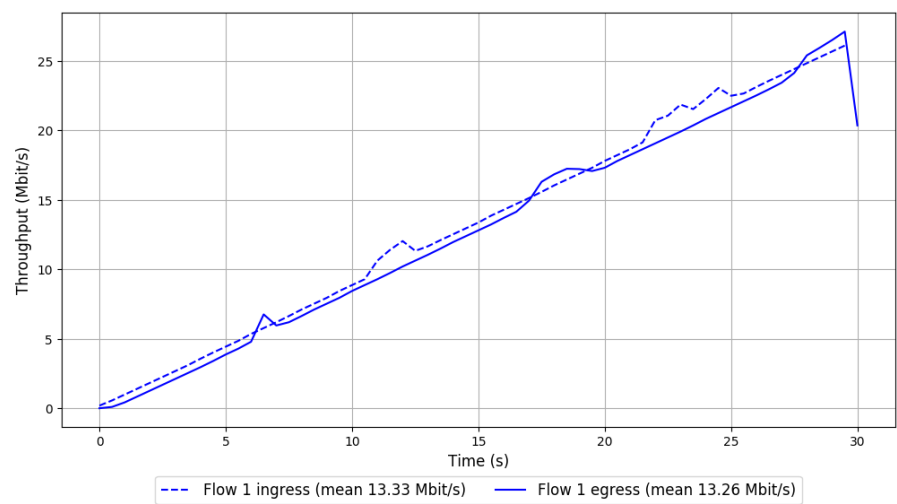


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 17:35:49
End at: 2018-08-09 17:36:19
Local clock offset: -8.032 ms
Remote clock offset: 3.391 ms

# Below is generated by plot.py at 2018-08-09 20:50:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 84.605 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 84.605 ms
Loss rate: 1.10%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-09 17:55:38

End at: 2018-08-09 17:56:08

Local clock offset: -8.024 ms

Remote clock offset: 7.797 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 81.665 ms

Loss rate: 0.98%

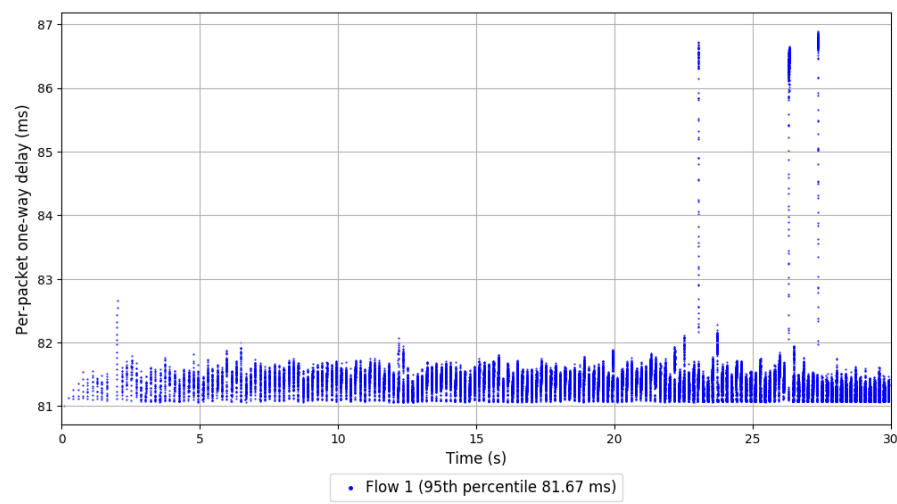
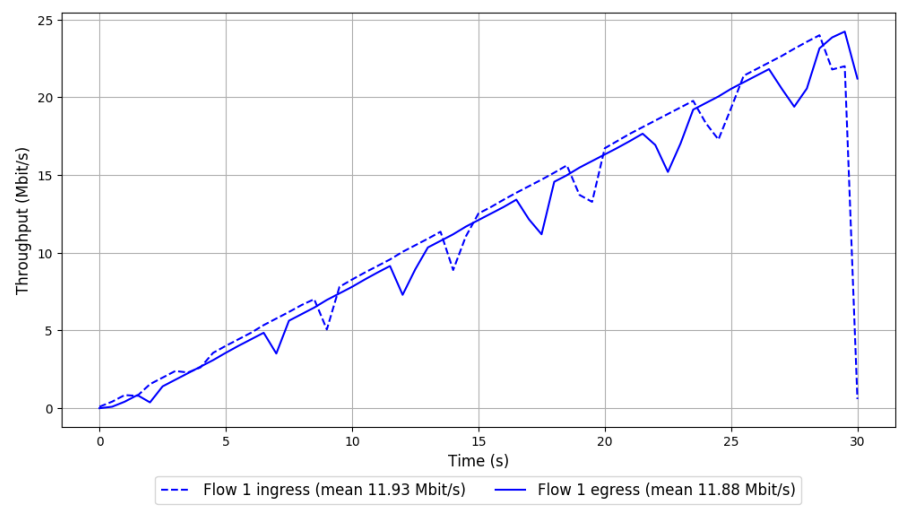
-- Flow 1:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 81.665 ms

Loss rate: 0.98%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-09 18:15:27

End at: 2018-08-09 18:15:57

Local clock offset: -8.177 ms

Remote clock offset: 4.433 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.69 Mbit/s

95th percentile per-packet one-way delay: 84.951 ms

Loss rate: 1.12%

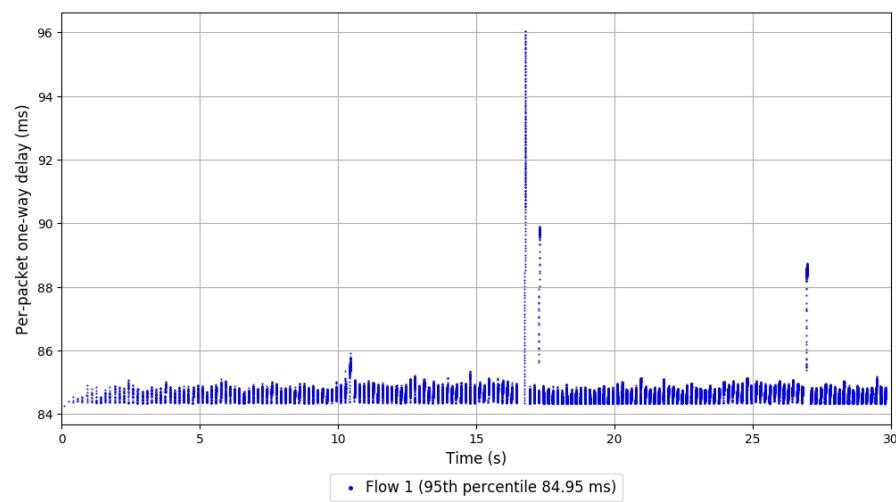
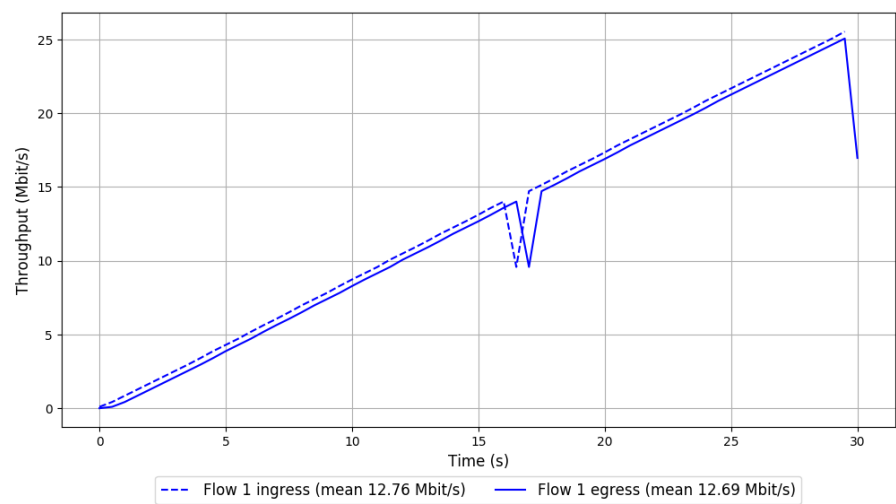
-- Flow 1:

Average throughput: 12.69 Mbit/s

95th percentile per-packet one-way delay: 84.951 ms

Loss rate: 1.12%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-09 18:35:19

End at: 2018-08-09 18:35:49

Local clock offset: -8.077 ms

Remote clock offset: 4.705 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 84.651 ms

Loss rate: 1.10%

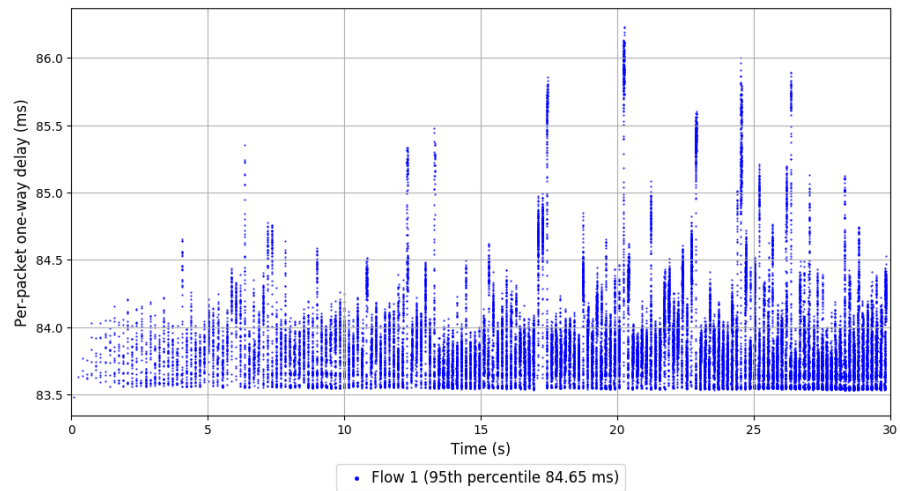
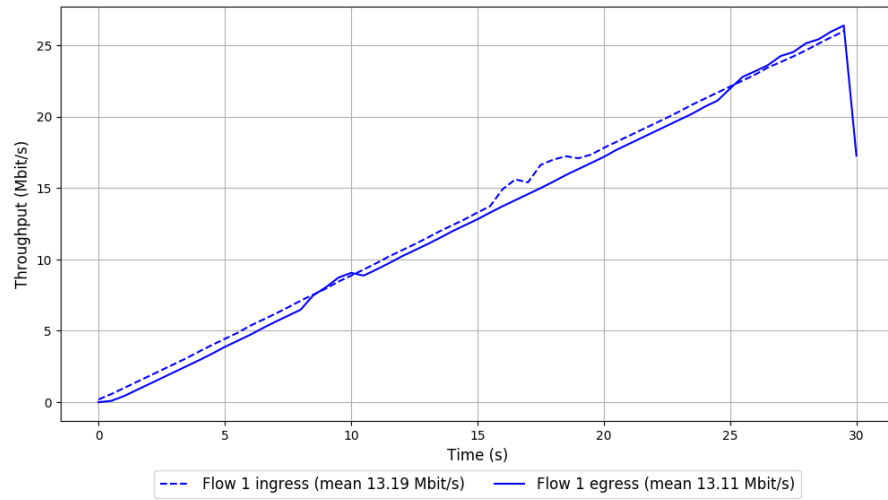
-- Flow 1:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 84.651 ms

Loss rate: 1.10%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-09 18:55:10

End at: 2018-08-09 18:55:40

Local clock offset: -4.328 ms

Remote clock offset: 4.922 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.97 Mbit/s

95th percentile per-packet one-way delay: 85.003 ms

Loss rate: 1.11%

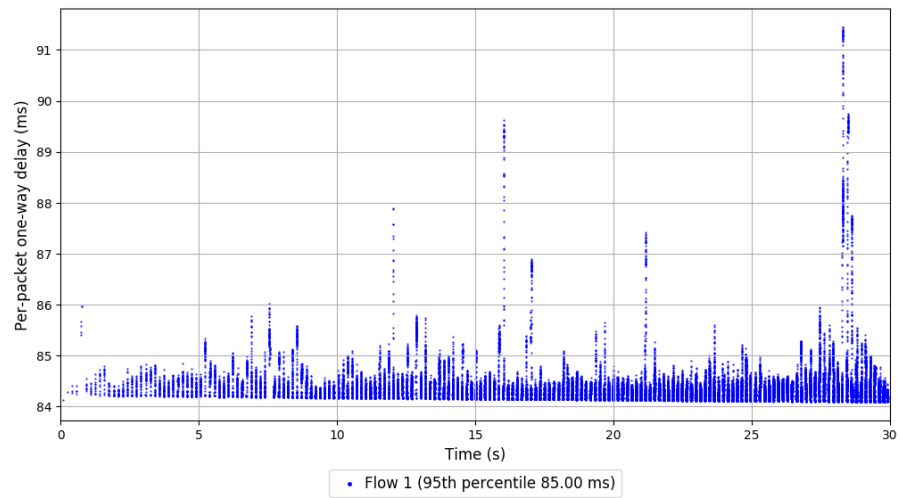
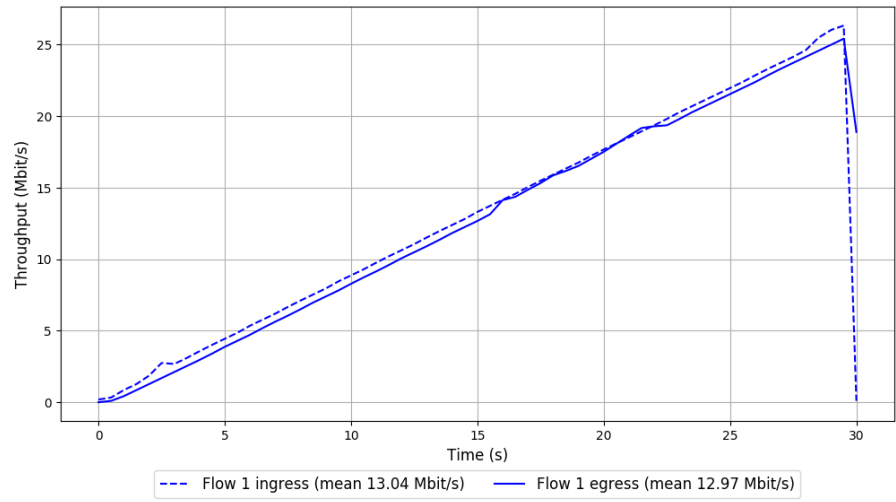
-- Flow 1:

Average throughput: 12.97 Mbit/s

95th percentile per-packet one-way delay: 85.003 ms

Loss rate: 1.11%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-09 19:15:21

End at: 2018-08-09 19:15:51

Local clock offset: -1.705 ms

Remote clock offset: 7.251 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.85 Mbit/s

95th percentile per-packet one-way delay: 83.186 ms

Loss rate: 1.10%

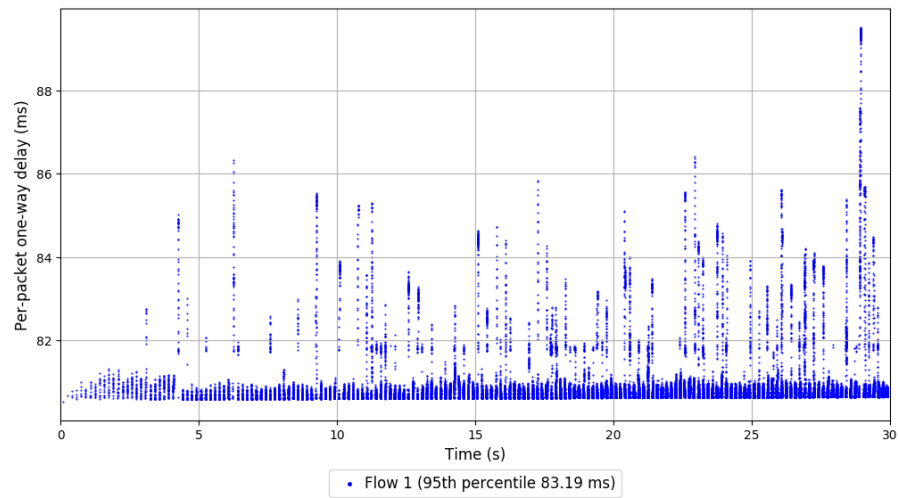
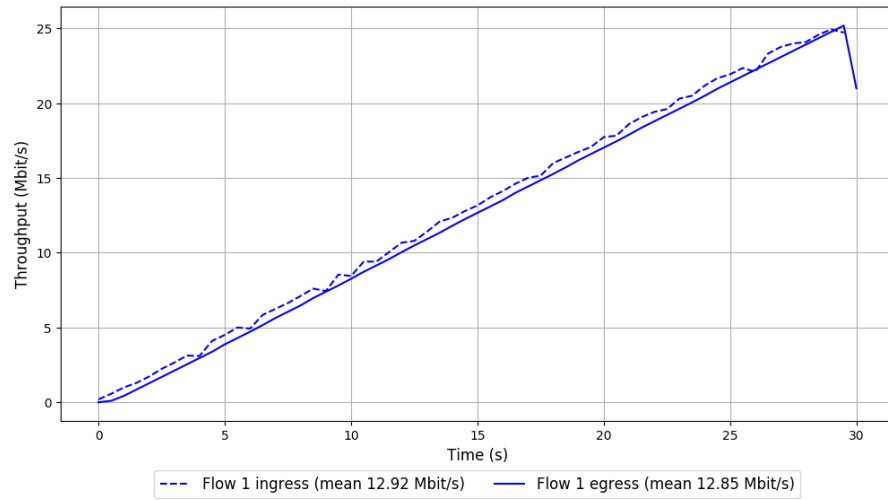
-- Flow 1:

Average throughput: 12.85 Mbit/s

95th percentile per-packet one-way delay: 83.186 ms

Loss rate: 1.10%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-09 19:35:10

End at: 2018-08-09 19:35:40

Local clock offset: -2.959 ms

Remote clock offset: 3.398 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 84.360 ms

Loss rate: 1.10%

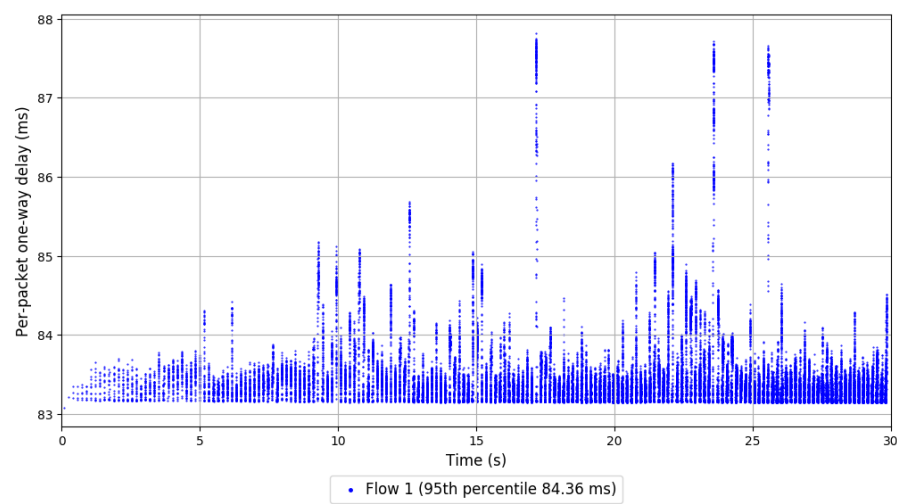
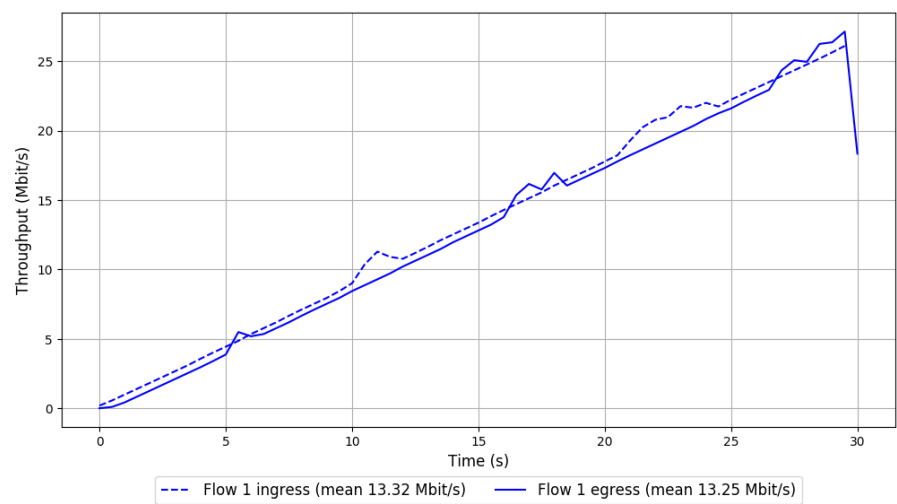
-- Flow 1:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 84.360 ms

Loss rate: 1.10%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 19:55:00

End at: 2018-08-09 19:55:30

Local clock offset: -2.281 ms

Remote clock offset: 3.346 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.70 Mbit/s

95th percentile per-packet one-way delay: 83.737 ms

Loss rate: 1.12%

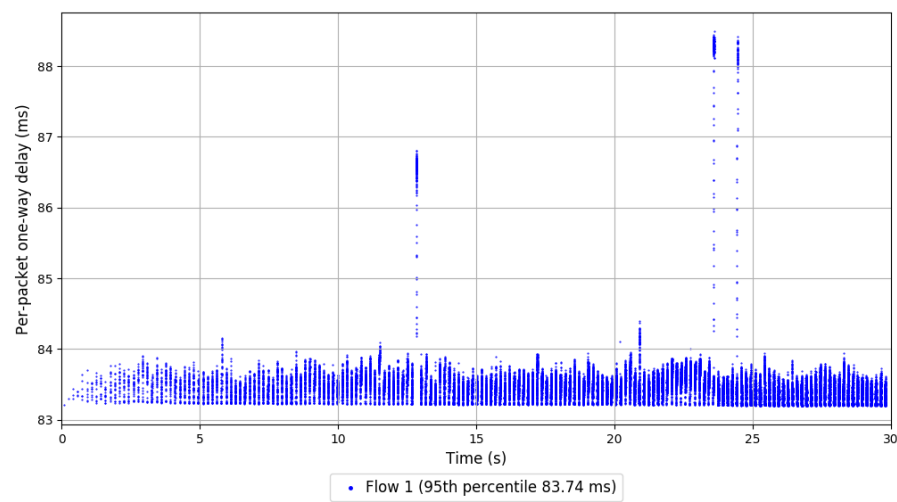
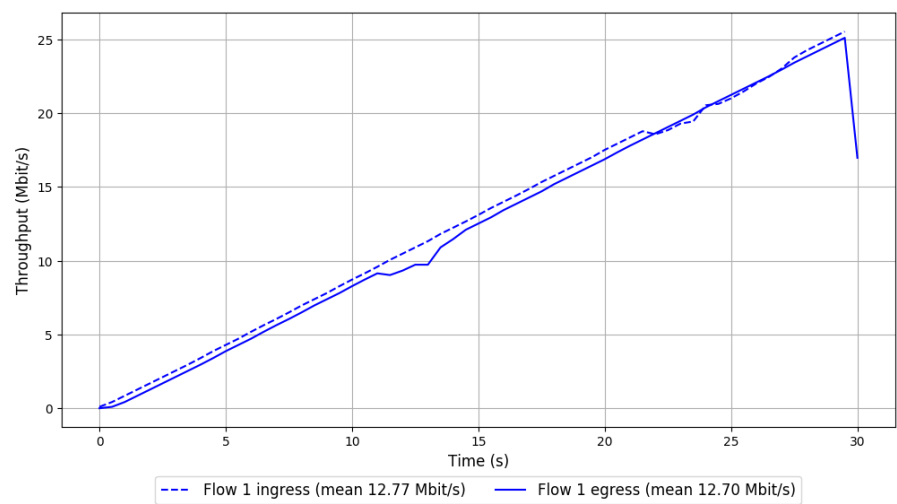
-- Flow 1:

Average throughput: 12.70 Mbit/s

95th percentile per-packet one-way delay: 83.737 ms

Loss rate: 1.12%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-09 20:15:00

End at: 2018-08-09 20:15:30

Local clock offset: -1.565 ms

Remote clock offset: 6.51 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 81.138 ms

Loss rate: 1.01%

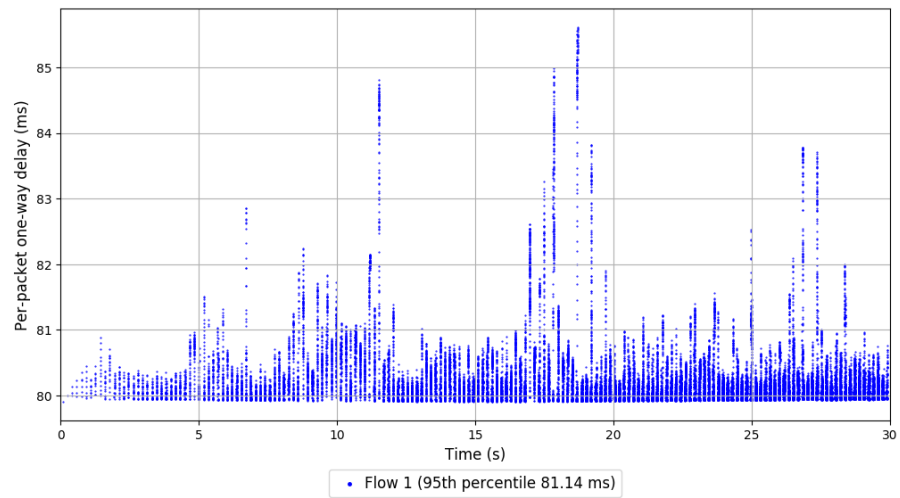
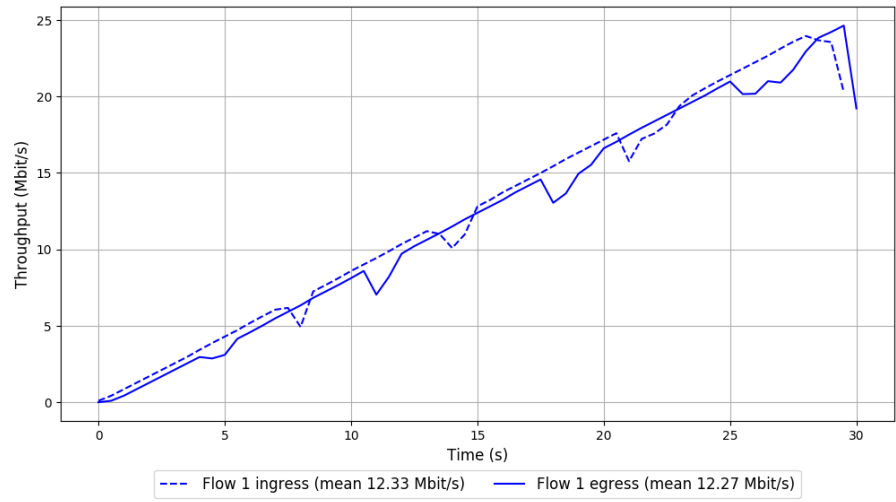
-- Flow 1:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 81.138 ms

Loss rate: 1.01%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-09 20:34:55

End at: 2018-08-09 20:35:25

Local clock offset: -3.55 ms

Remote clock offset: 2.142 ms

Below is generated by plot.py at 2018-08-09 20:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 84.133 ms

Loss rate: 1.13%

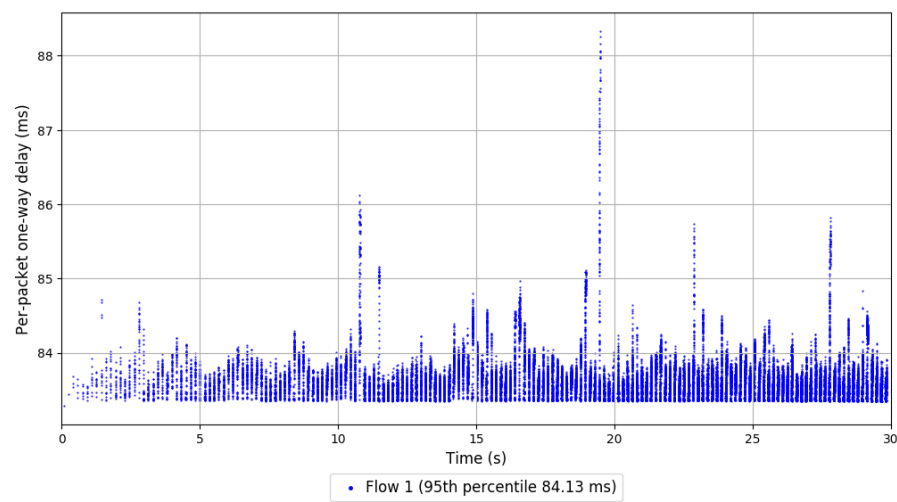
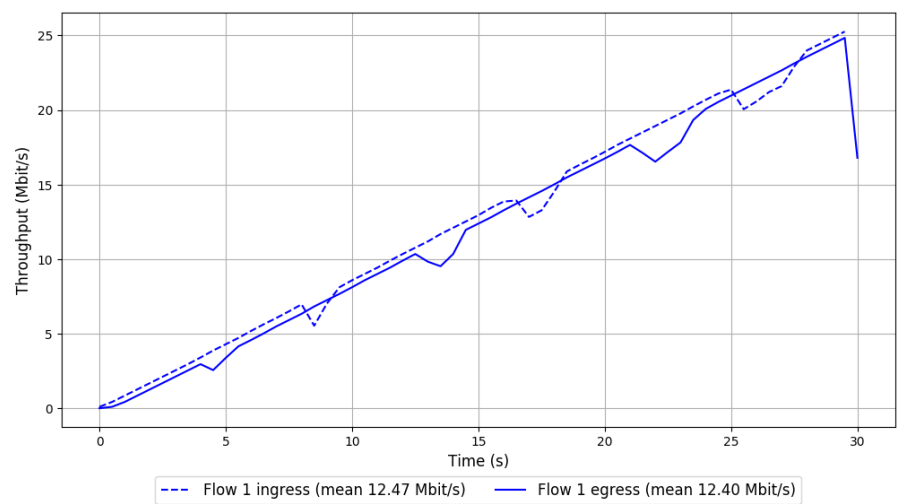
-- Flow 1:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 84.133 ms

Loss rate: 1.13%

Run 10: Report of LEDBAT — Data Link

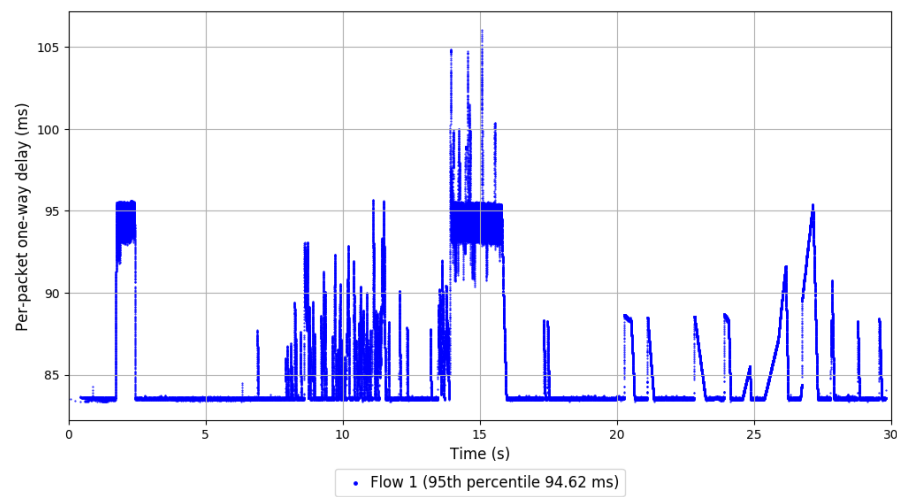
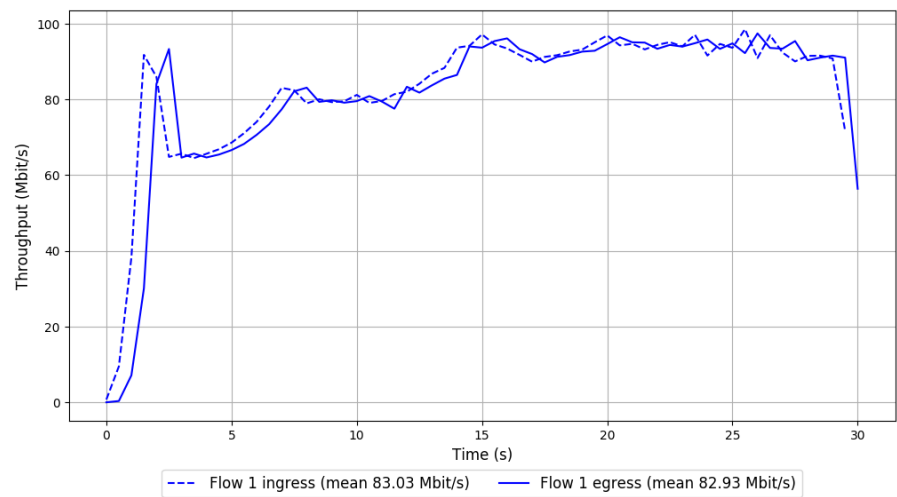


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 17:22:56
End at: 2018-08-09 17:23:27
Local clock offset: -8.125 ms
Remote clock offset: 2.752 ms

# Below is generated by plot.py at 2018-08-09 20:51:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 94.621 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 94.621 ms
Loss rate: 0.67%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 17:42:47

End at: 2018-08-09 17:43:17

Local clock offset: -8.094 ms

Remote clock offset: 3.788 ms

Below is generated by plot.py at 2018-08-09 20:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 95.257 ms

Loss rate: 0.78%

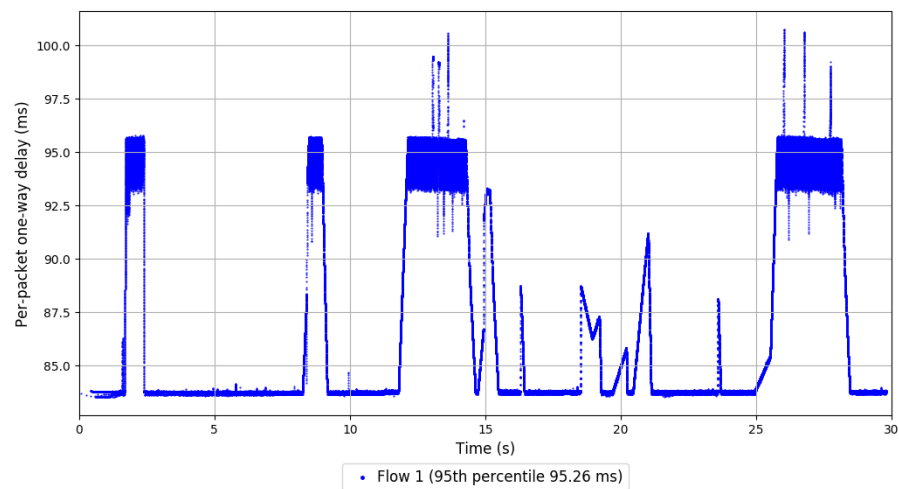
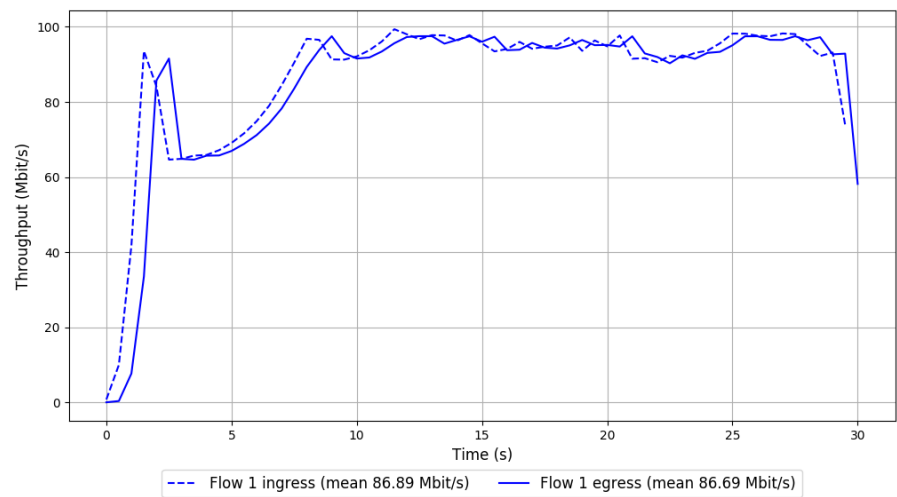
-- Flow 1:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 95.257 ms

Loss rate: 0.78%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 18:02:35

End at: 2018-08-09 18:03:05

Local clock offset: -7.981 ms

Remote clock offset: 8.423 ms

Below is generated by plot.py at 2018-08-09 20:51:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 90.583 ms

Loss rate: 0.65%

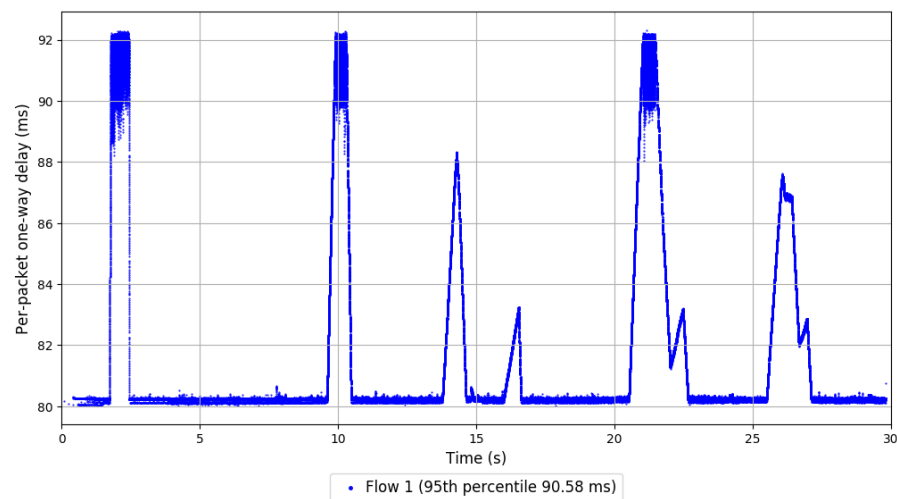
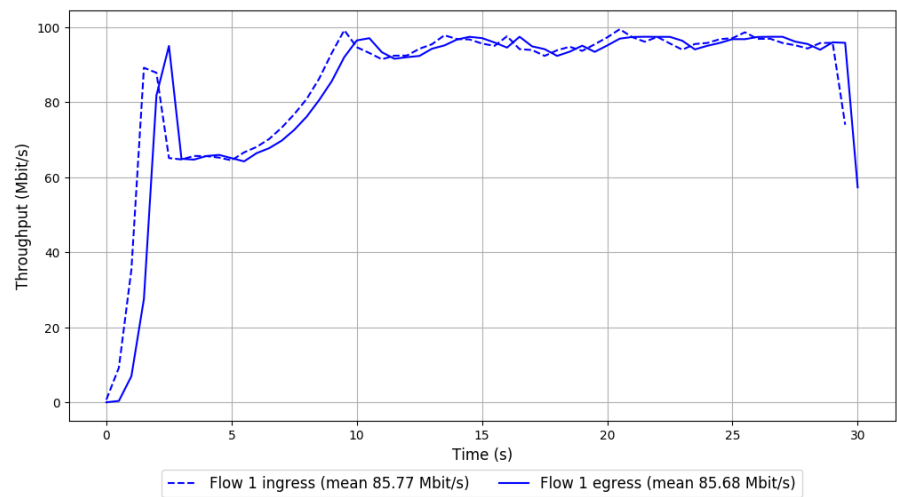
-- Flow 1:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 90.583 ms

Loss rate: 0.65%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 18:22:25

End at: 2018-08-09 18:22:55

Local clock offset: -8.001 ms

Remote clock offset: 4.952 ms

Below is generated by plot.py at 2018-08-09 20:51:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 90.240 ms

Loss rate: 0.62%

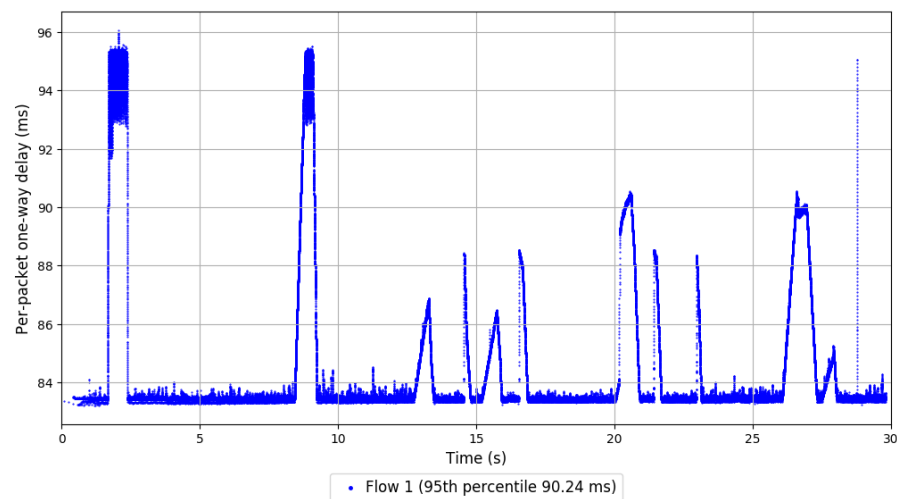
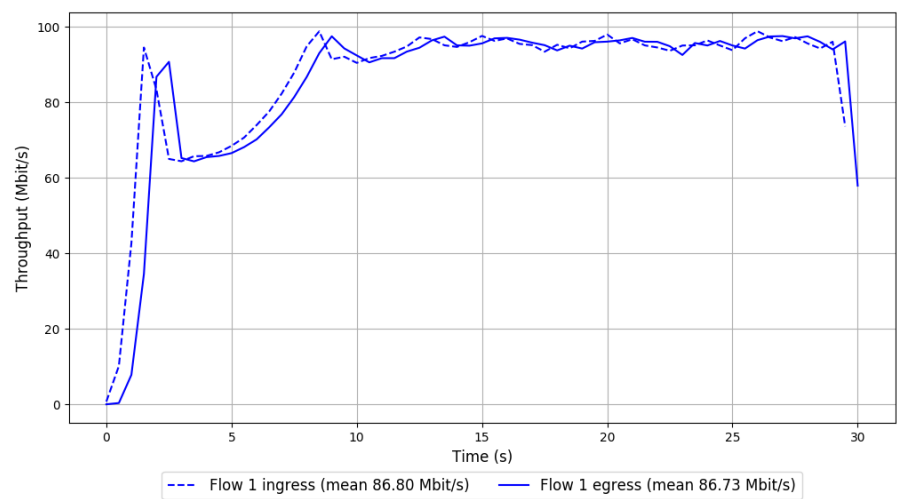
-- Flow 1:

Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 90.240 ms

Loss rate: 0.62%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 18:42:16

End at: 2018-08-09 18:42:46

Local clock offset: -8.032 ms

Remote clock offset: 4.473 ms

Below is generated by plot.py at 2018-08-09 20:51:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 95.452 ms

Loss rate: 0.68%

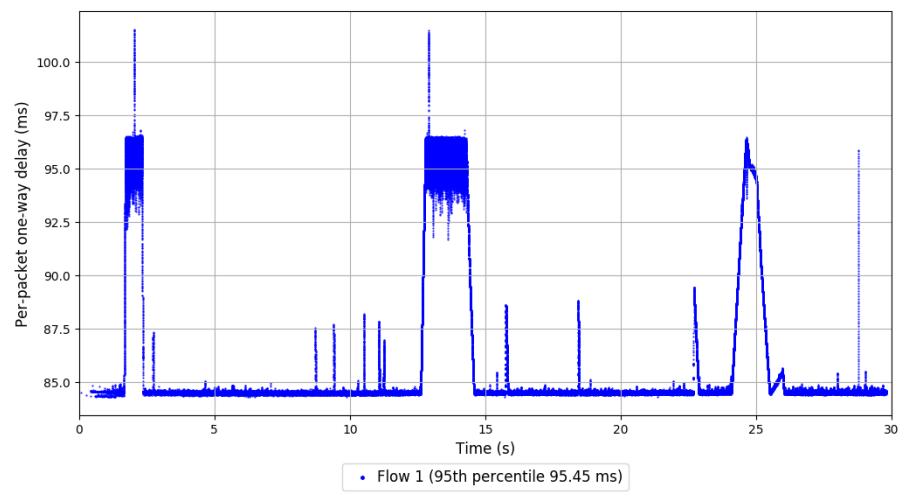
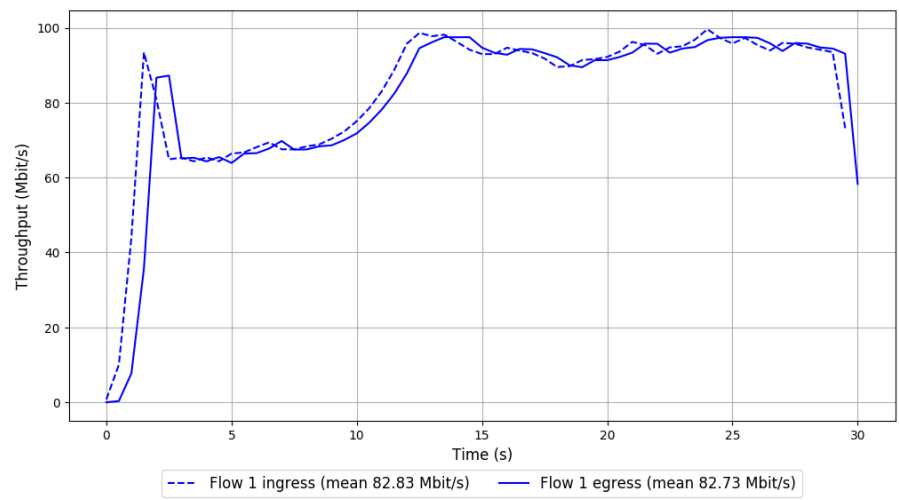
-- Flow 1:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 95.452 ms

Loss rate: 0.68%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 19:02:08

End at: 2018-08-09 19:02:38

Local clock offset: -3.059 ms

Remote clock offset: 7.836 ms

Below is generated by plot.py at 2018-08-09 20:51:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 91.413 ms

Loss rate: 0.68%

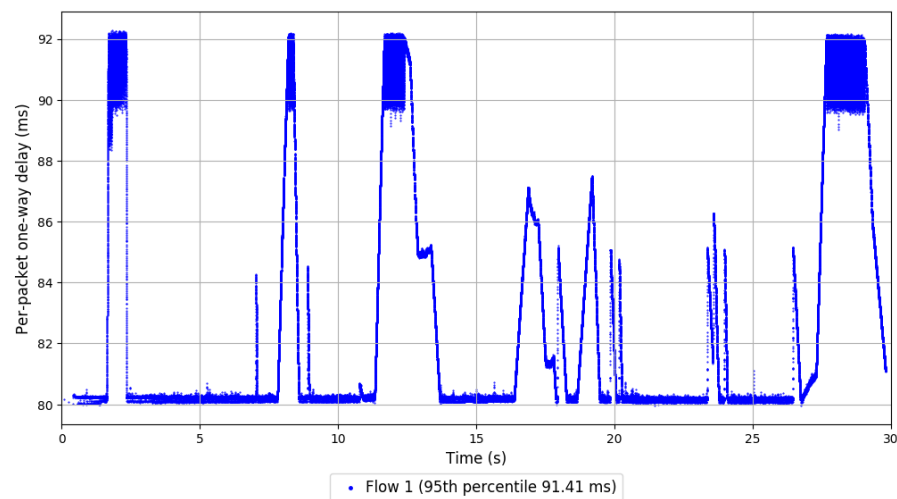
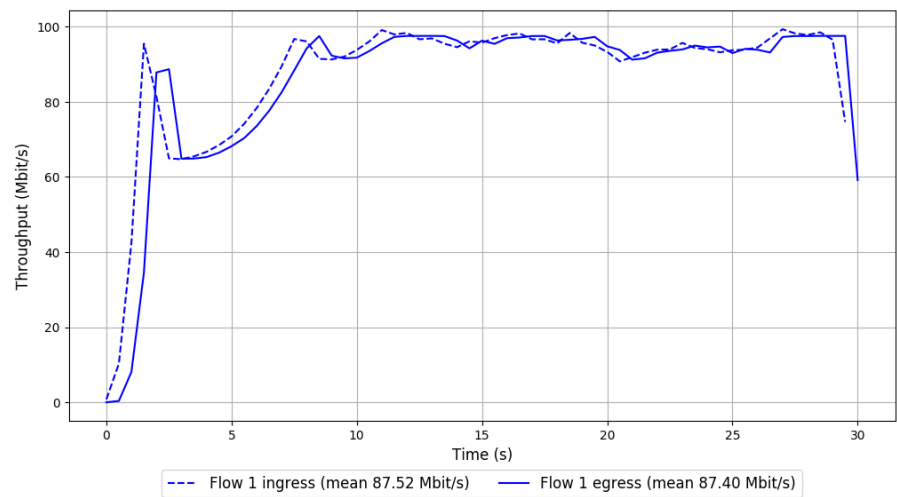
-- Flow 1:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 91.413 ms

Loss rate: 0.68%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 19:22:16

End at: 2018-08-09 19:22:46

Local clock offset: -2.552 ms

Remote clock offset: 3.935 ms

Below is generated by plot.py at 2018-08-09 20:51:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.27 Mbit/s

95th percentile per-packet one-way delay: 94.695 ms

Loss rate: 0.69%

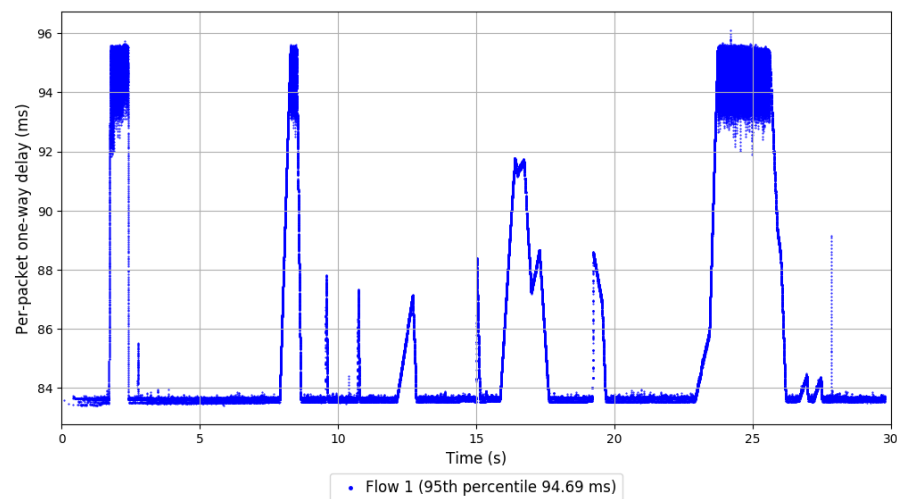
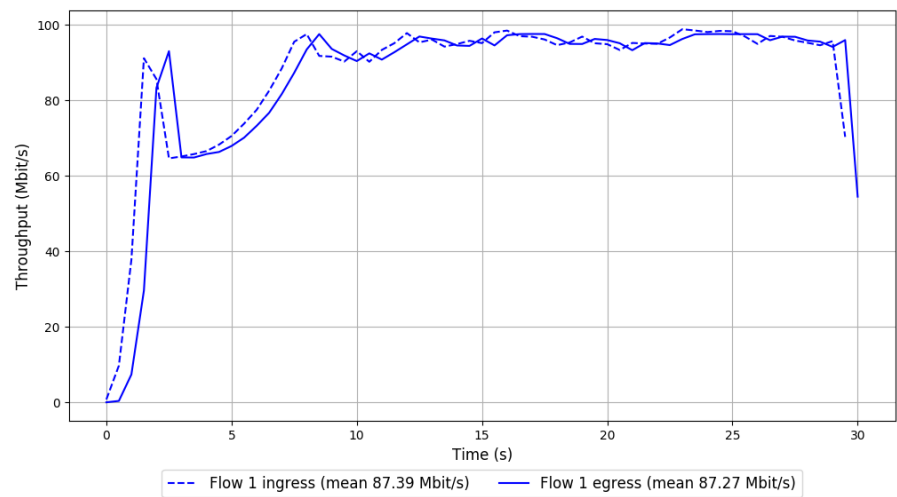
-- Flow 1:

Average throughput: 87.27 Mbit/s

95th percentile per-packet one-way delay: 94.695 ms

Loss rate: 0.69%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 19:42:07

End at: 2018-08-09 19:42:37

Local clock offset: -2.774 ms

Remote clock offset: 3.693 ms

Below is generated by plot.py at 2018-08-09 20:51:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 94.747 ms

Loss rate: 0.64%

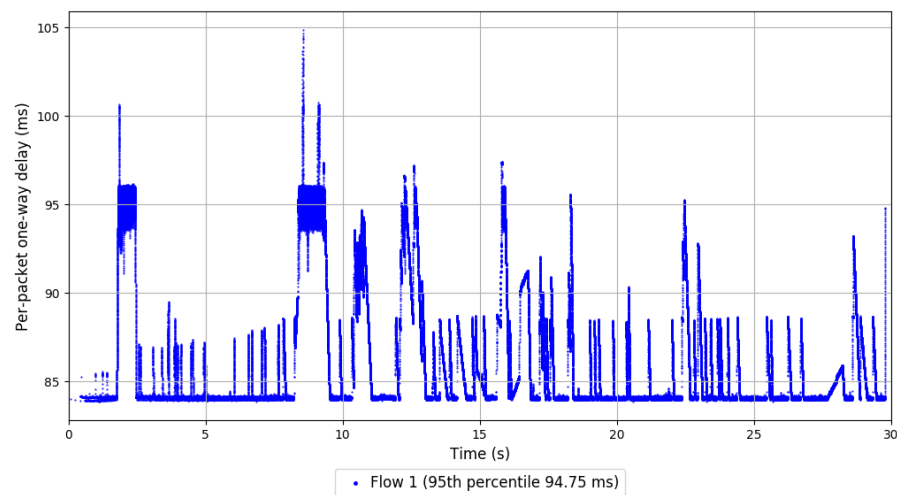
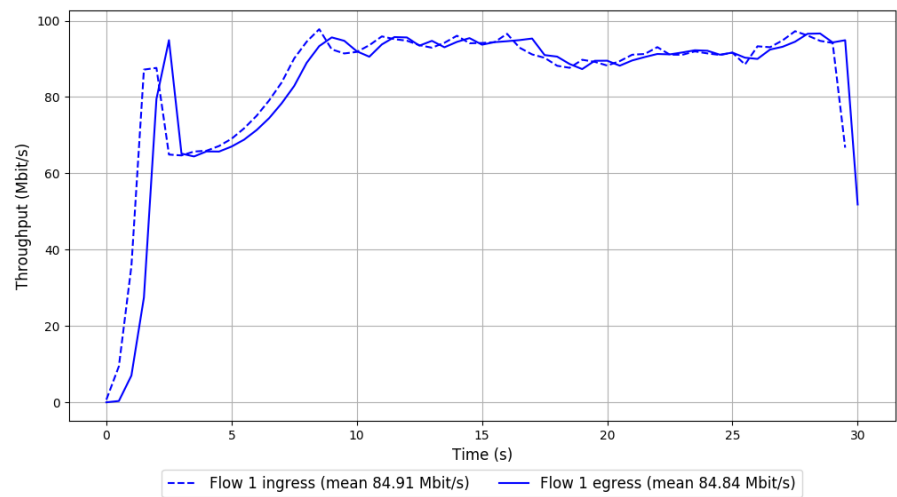
-- Flow 1:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 94.747 ms

Loss rate: 0.64%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 20:01:57

End at: 2018-08-09 20:02:27

Local clock offset: -2.04 ms

Remote clock offset: 3.261 ms

Below is generated by plot.py at 2018-08-09 20:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.85 Mbit/s

95th percentile per-packet one-way delay: 93.808 ms

Loss rate: 0.71%

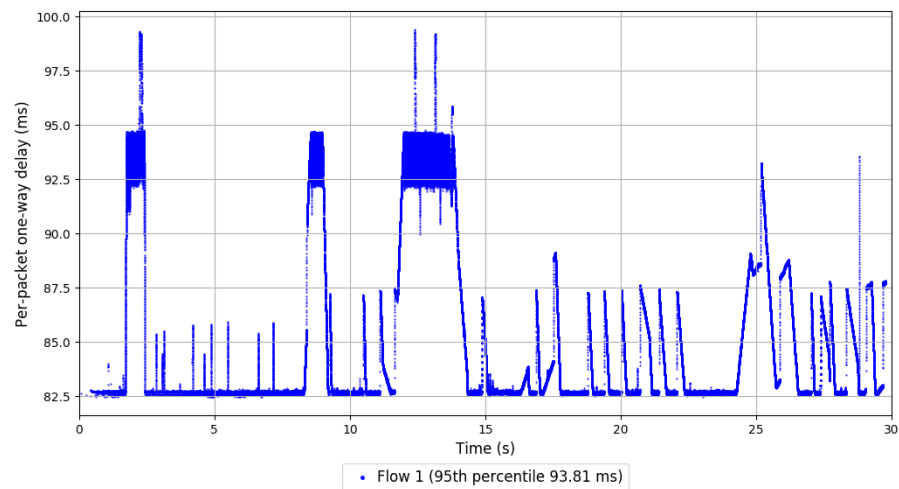
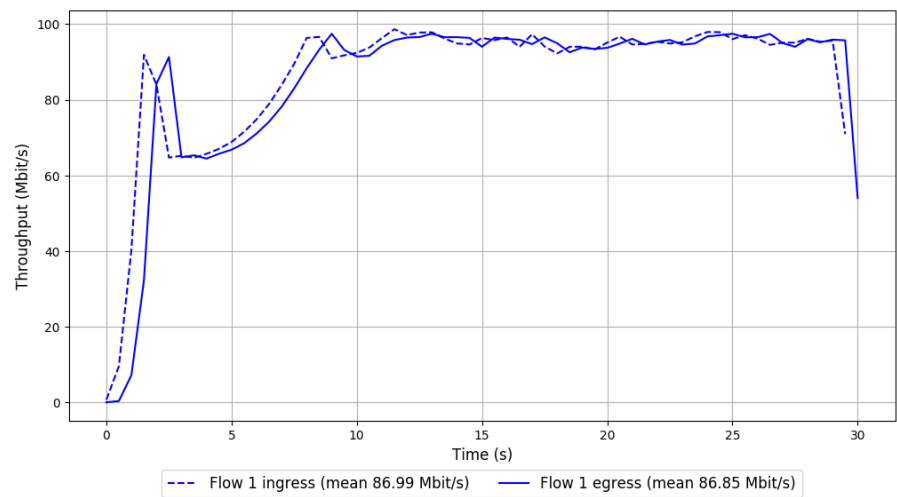
-- Flow 1:

Average throughput: 86.85 Mbit/s

95th percentile per-packet one-way delay: 93.808 ms

Loss rate: 0.71%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 20:21:58

End at: 2018-08-09 20:22:28

Local clock offset: -2.754 ms

Remote clock offset: 2.161 ms

Below is generated by plot.py at 2018-08-09 20:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 94.838 ms

Loss rate: 0.65%

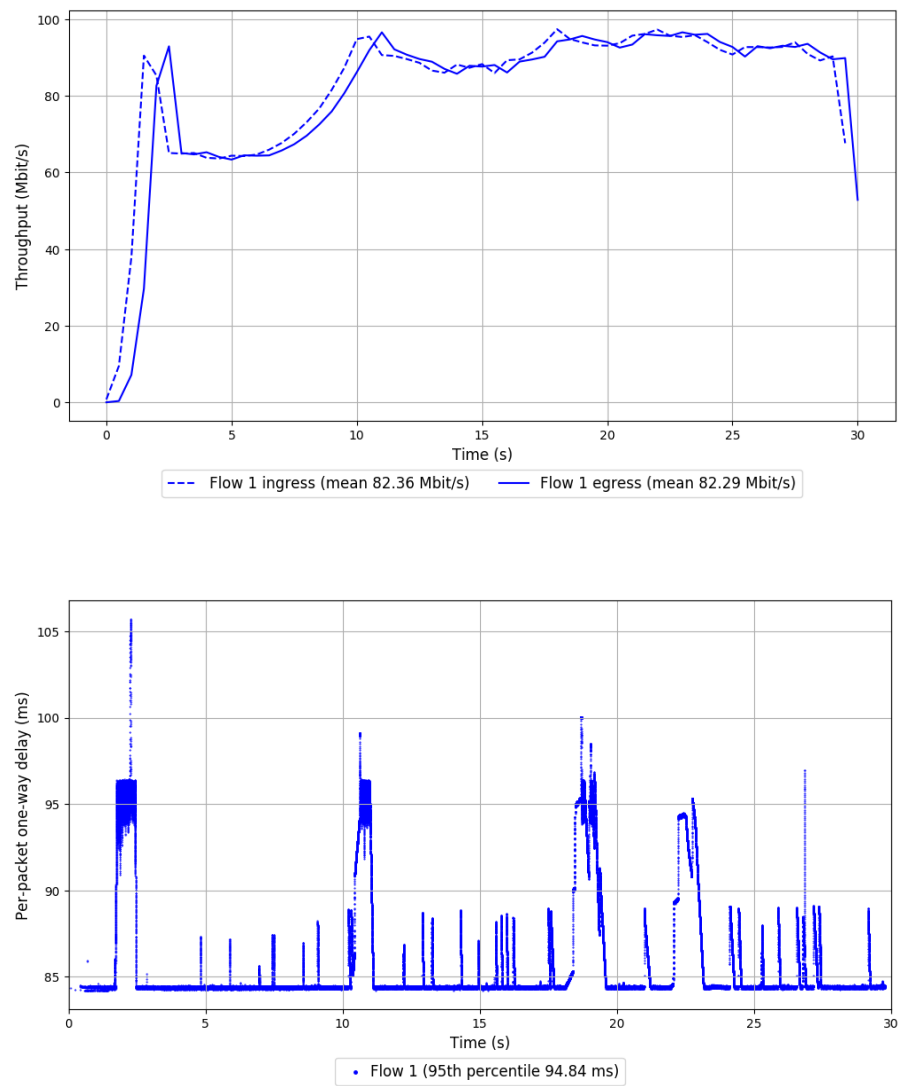
-- Flow 1:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 94.838 ms

Loss rate: 0.65%

Run 10: Report of PCC-Allegro — Data Link

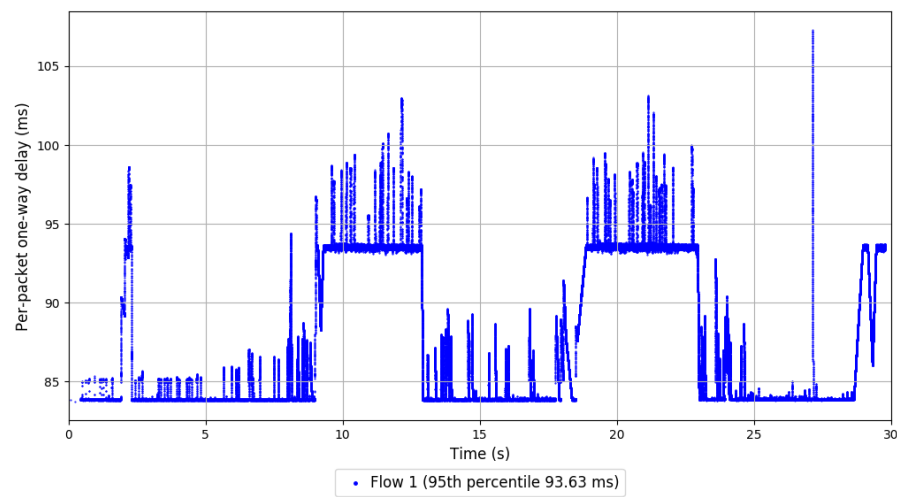
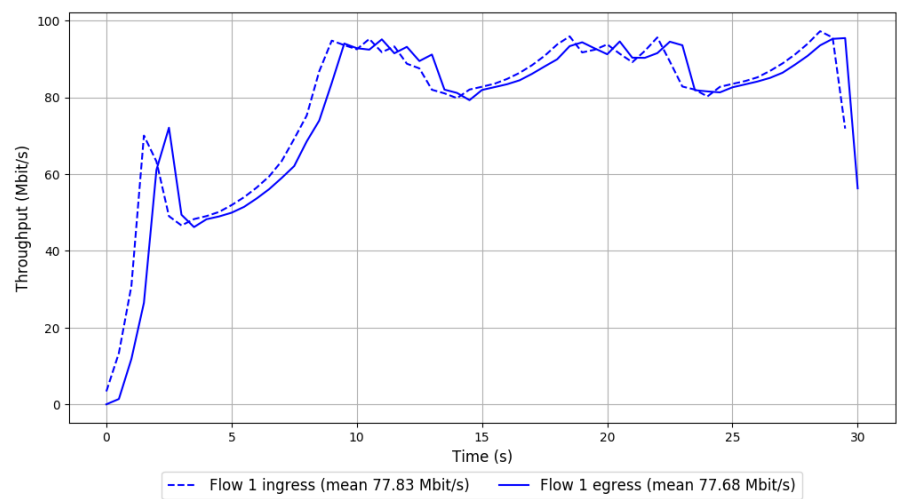


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 17:30:01
End at: 2018-08-09 17:30:31
Local clock offset: -8.019 ms
Remote clock offset: 3.344 ms

# Below is generated by plot.py at 2018-08-09 20:52:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 93.632 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 93.632 ms
Loss rate: 0.76%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 17:49:50

End at: 2018-08-09 17:50:20

Local clock offset: -8.087 ms

Remote clock offset: 4.498 ms

Below is generated by plot.py at 2018-08-09 20:52:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 93.337 ms

Loss rate: 1.22%

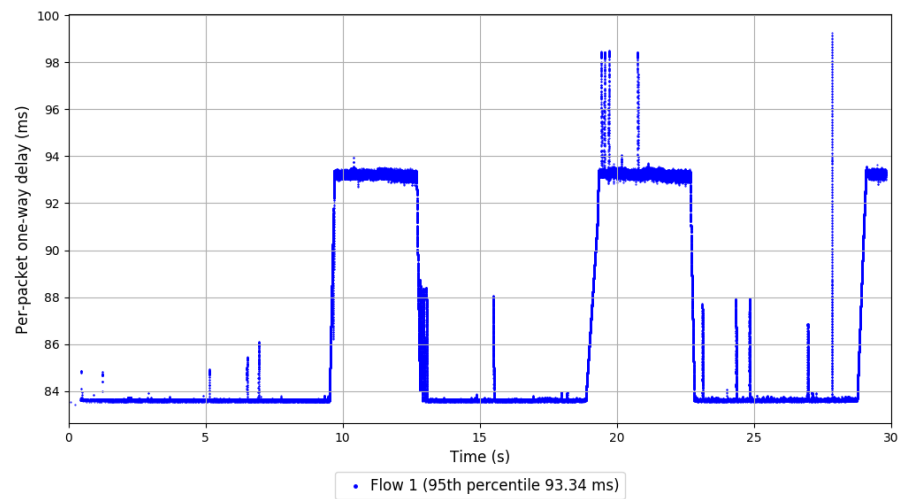
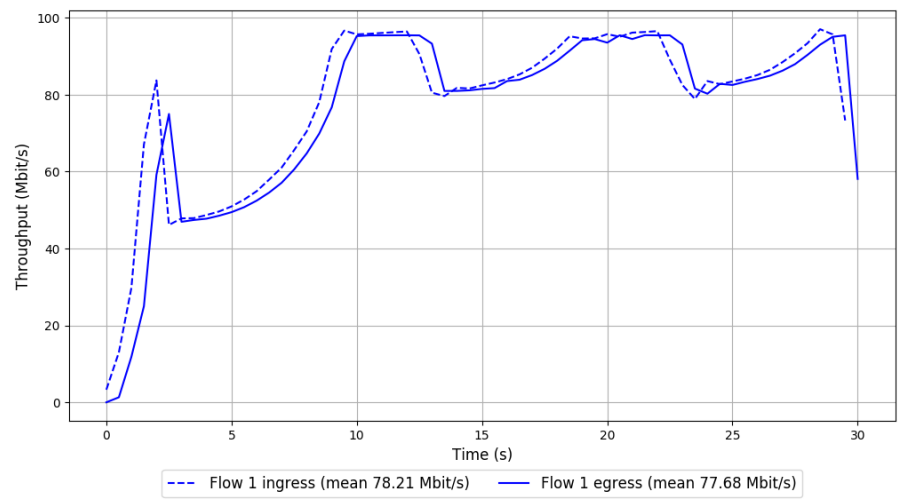
-- Flow 1:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 93.337 ms

Loss rate: 1.22%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 18:09:37

End at: 2018-08-09 18:10:07

Local clock offset: -8.028 ms

Remote clock offset: 4.329 ms

Below is generated by plot.py at 2018-08-09 20:53:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.65 Mbit/s

95th percentile per-packet one-way delay: 93.535 ms

Loss rate: 0.71%

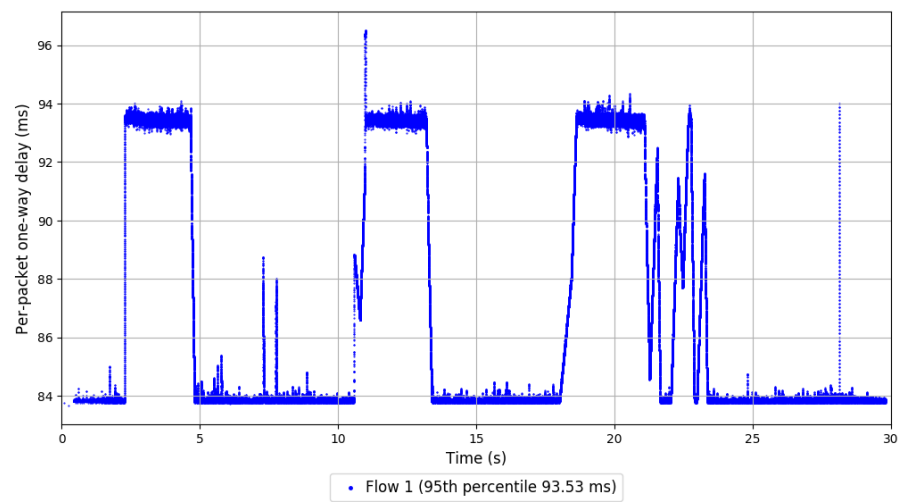
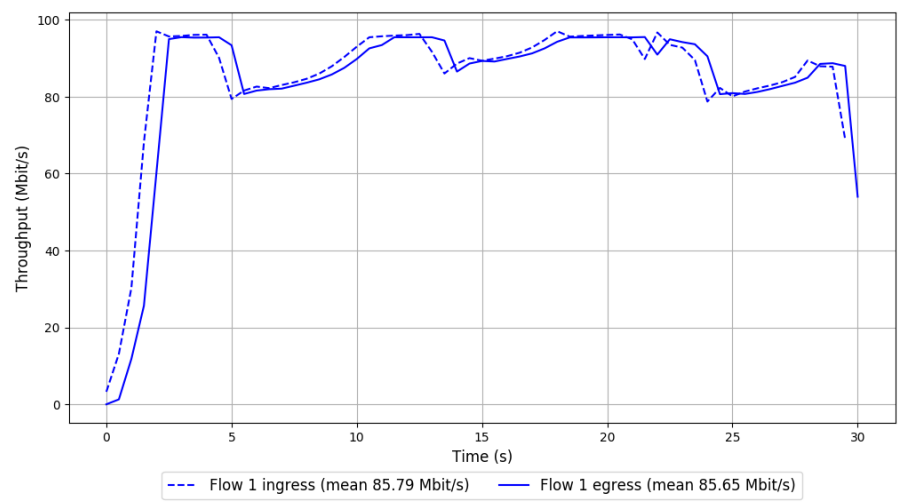
-- Flow 1:

Average throughput: 85.65 Mbit/s

95th percentile per-packet one-way delay: 93.535 ms

Loss rate: 0.71%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 18:29:29

End at: 2018-08-09 18:29:59

Local clock offset: -8.057 ms

Remote clock offset: 8.509 ms

Below is generated by plot.py at 2018-08-09 20:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 90.093 ms

Loss rate: 0.69%

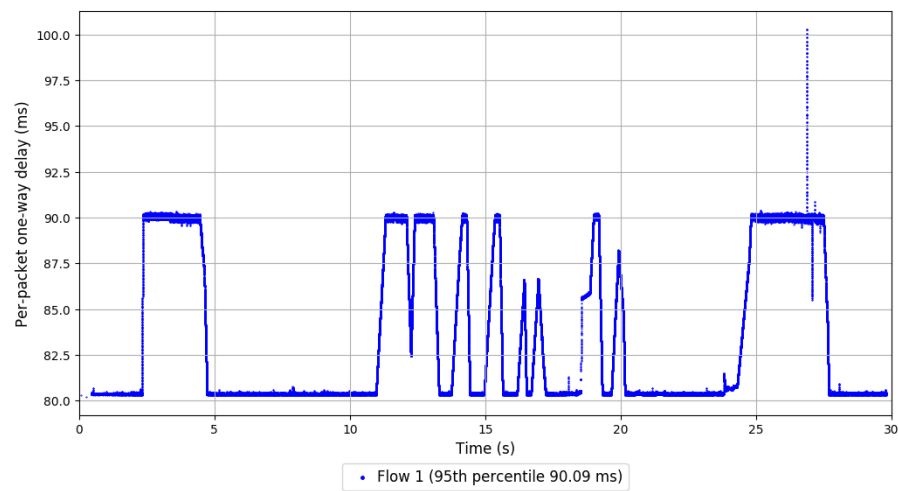
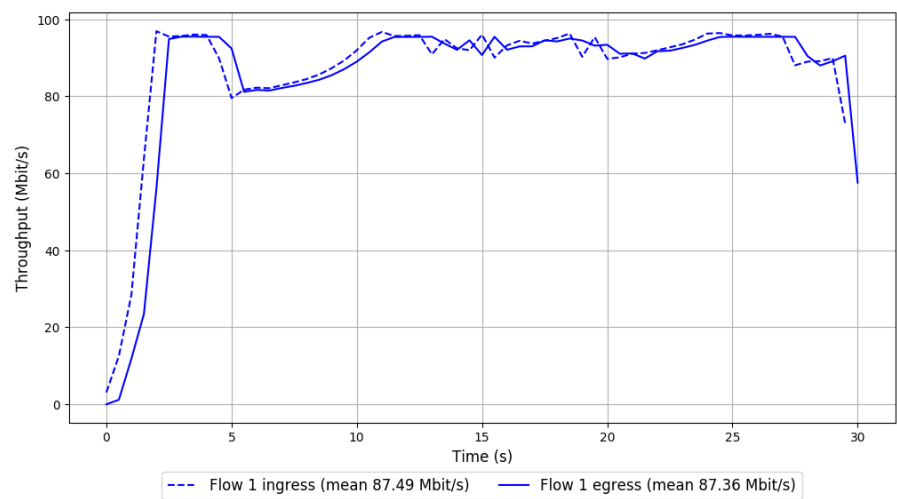
-- Flow 1:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 90.093 ms

Loss rate: 0.69%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 18:49:20

End at: 2018-08-09 18:49:50

Local clock offset: -6.244 ms

Remote clock offset: 7.914 ms

Below is generated by plot.py at 2018-08-09 20:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.14 Mbit/s

95th percentile per-packet one-way delay: 80.865 ms

Loss rate: 3.96%

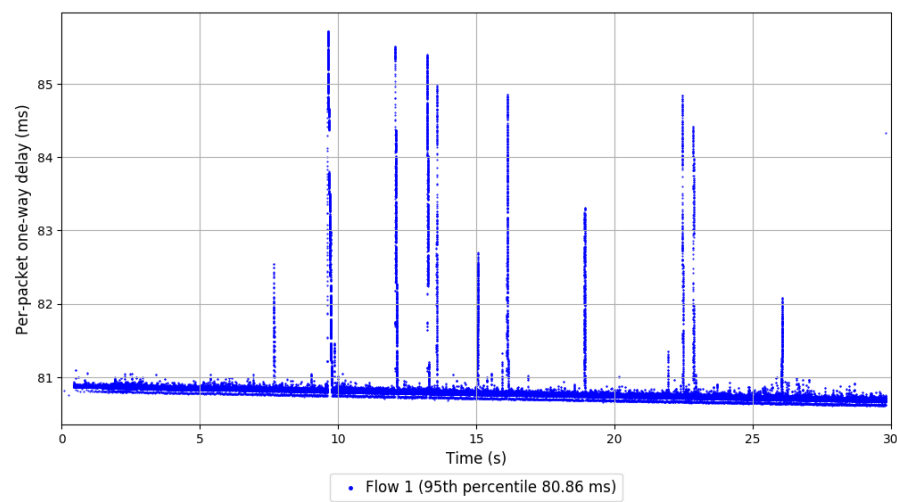
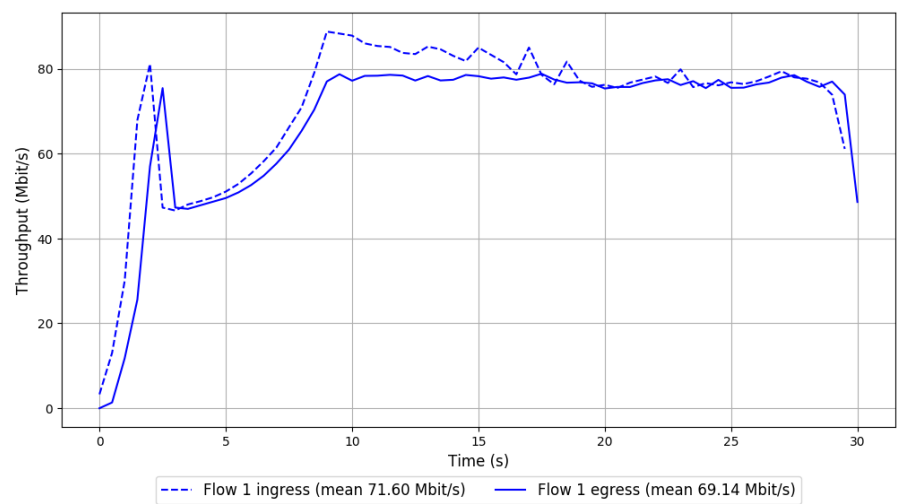
-- Flow 1:

Average throughput: 69.14 Mbit/s

95th percentile per-packet one-way delay: 80.865 ms

Loss rate: 3.96%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 19:09:31

End at: 2018-08-09 19:10:01

Local clock offset: -2.267 ms

Remote clock offset: 4.685 ms

Below is generated by plot.py at 2018-08-09 20:53:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 83.530 ms

Loss rate: 2.93%

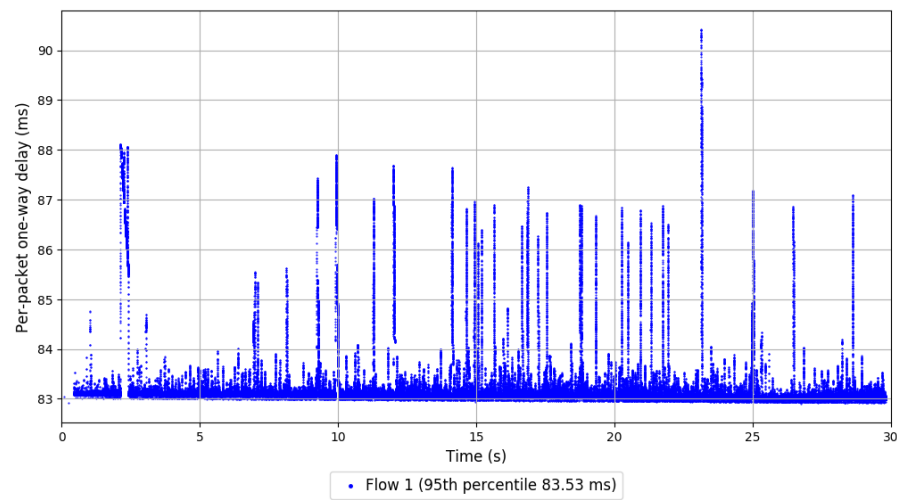
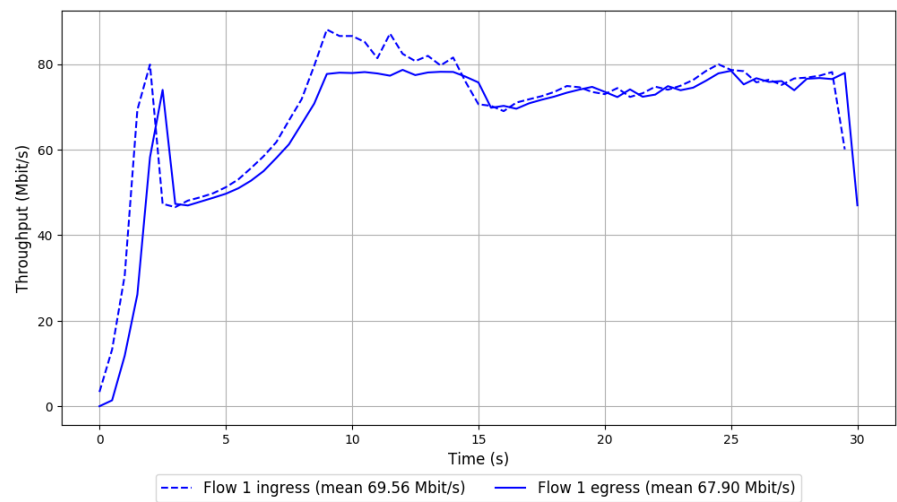
-- Flow 1:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 83.530 ms

Loss rate: 2.93%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 19:29:20

End at: 2018-08-09 19:29:50

Local clock offset: -2.854 ms

Remote clock offset: 7.336 ms

Below is generated by plot.py at 2018-08-09 20:54:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 90.284 ms

Loss rate: 0.75%

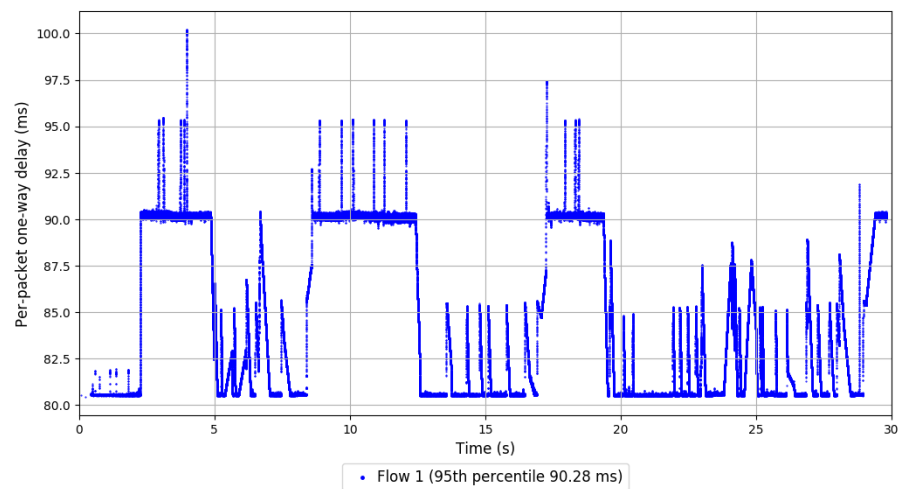
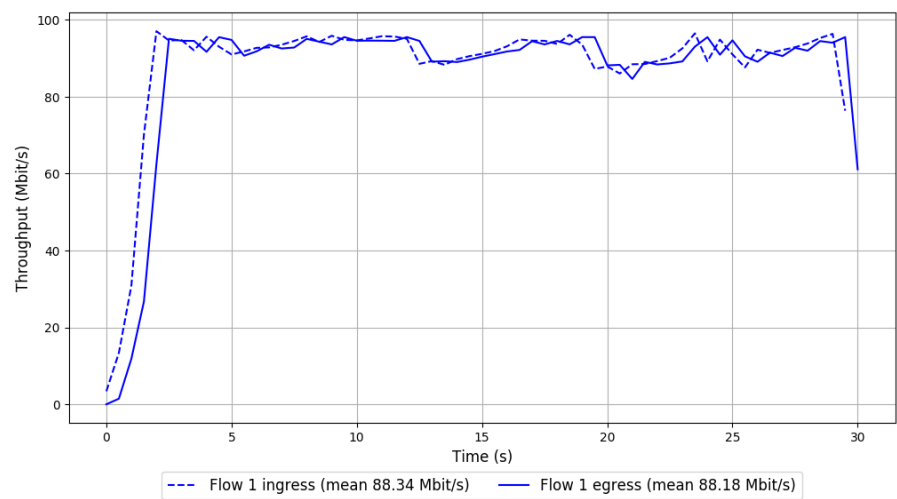
-- Flow 1:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 90.284 ms

Loss rate: 0.75%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 19:49:10

End at: 2018-08-09 19:49:40

Local clock offset: -2.548 ms

Remote clock offset: 3.422 ms

Below is generated by plot.py at 2018-08-09 20:54:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.24 Mbit/s

95th percentile per-packet one-way delay: 93.882 ms

Loss rate: 0.81%

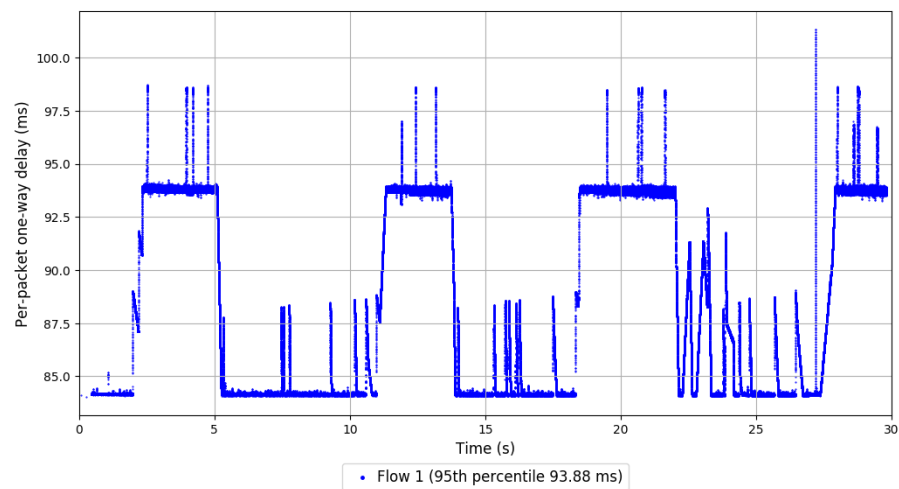
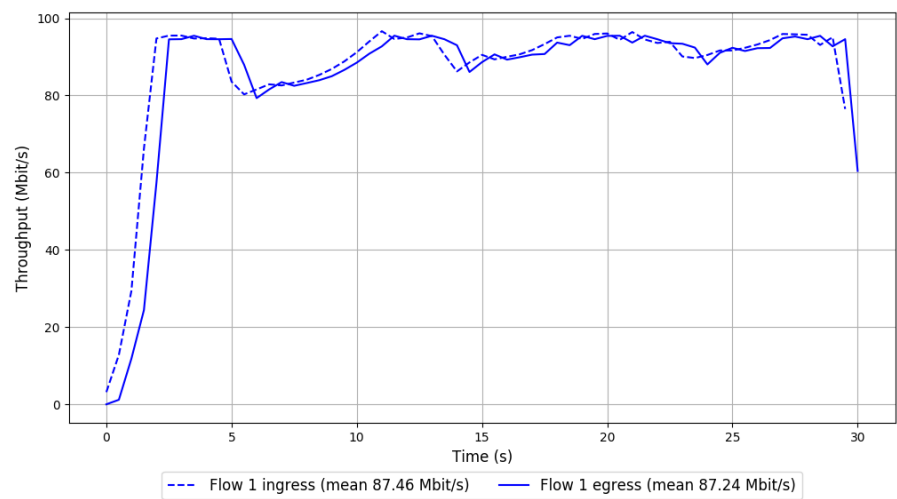
-- Flow 1:

Average throughput: 87.24 Mbit/s

95th percentile per-packet one-way delay: 93.882 ms

Loss rate: 0.81%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 20:09:11

End at: 2018-08-09 20:09:41

Local clock offset: -1.833 ms

Remote clock offset: 6.497 ms

Below is generated by plot.py at 2018-08-09 20:54:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.17 Mbit/s

95th percentile per-packet one-way delay: 81.169 ms

Loss rate: 3.63%

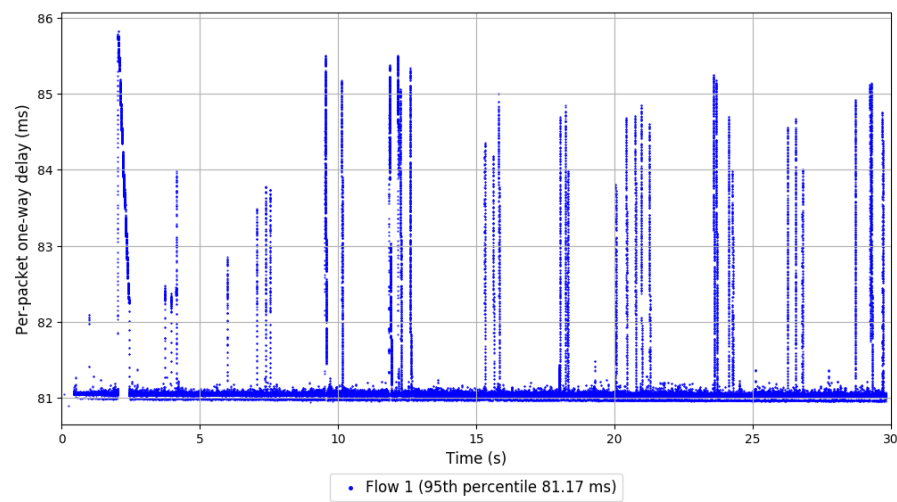
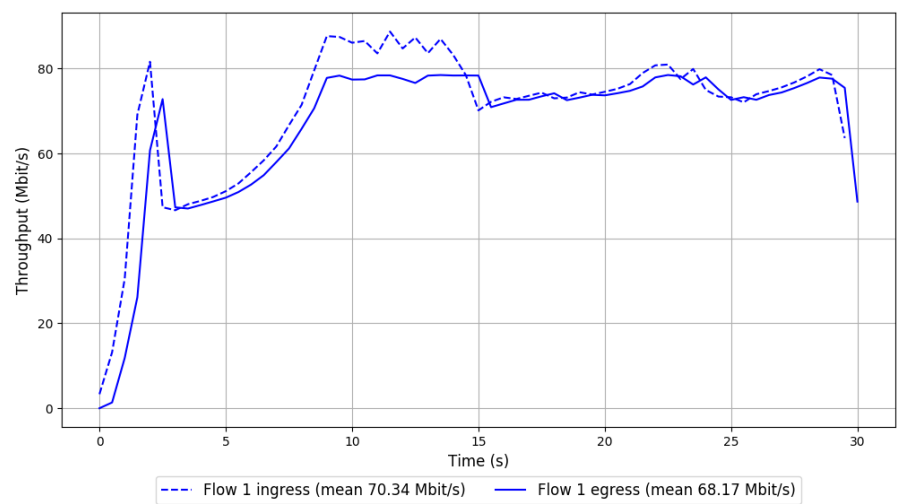
-- Flow 1:

Average throughput: 68.17 Mbit/s

95th percentile per-packet one-way delay: 81.169 ms

Loss rate: 3.63%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 20:29:03

End at: 2018-08-09 20:29:33

Local clock offset: -3.268 ms

Remote clock offset: 6.12 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.53 Mbit/s

95th percentile per-packet one-way delay: 90.231 ms

Loss rate: 0.77%

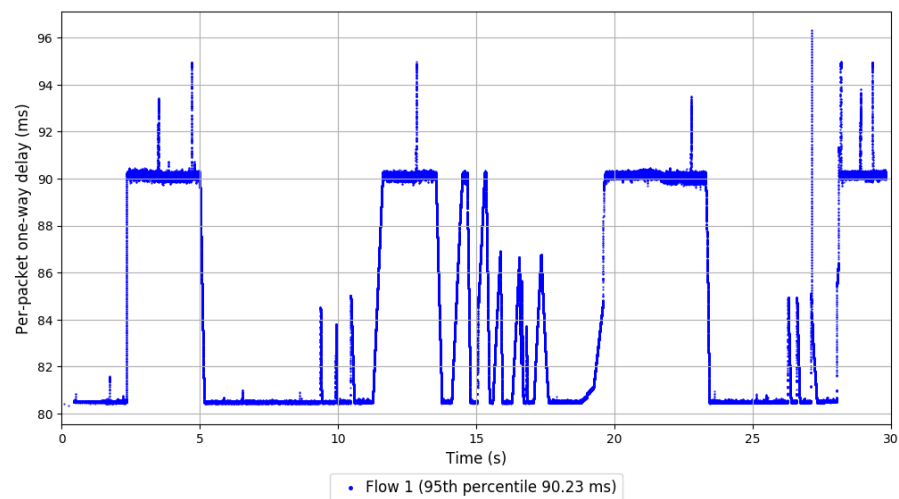
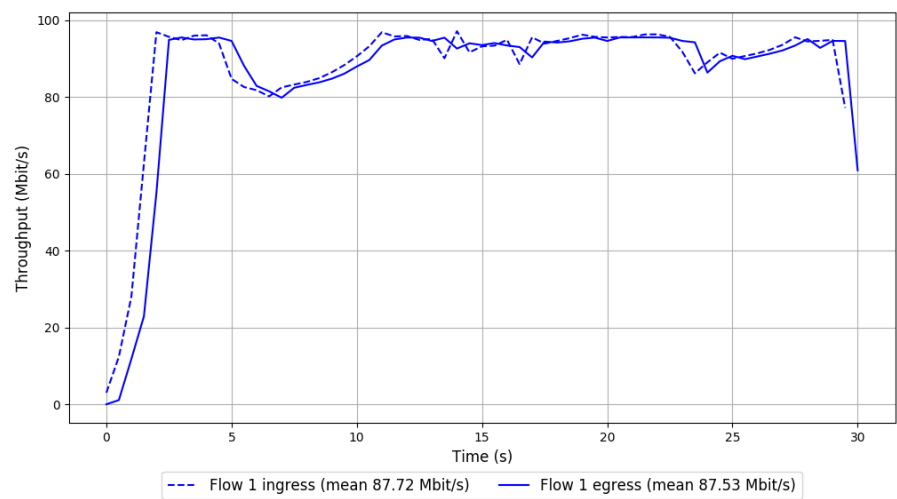
-- Flow 1:

Average throughput: 87.53 Mbit/s

95th percentile per-packet one-way delay: 90.231 ms

Loss rate: 0.77%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 17:21:47

End at: 2018-08-09 17:22:17

Local clock offset: -8.236 ms

Remote clock offset: 2.829 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 93.656 ms

Loss rate: 1.99%

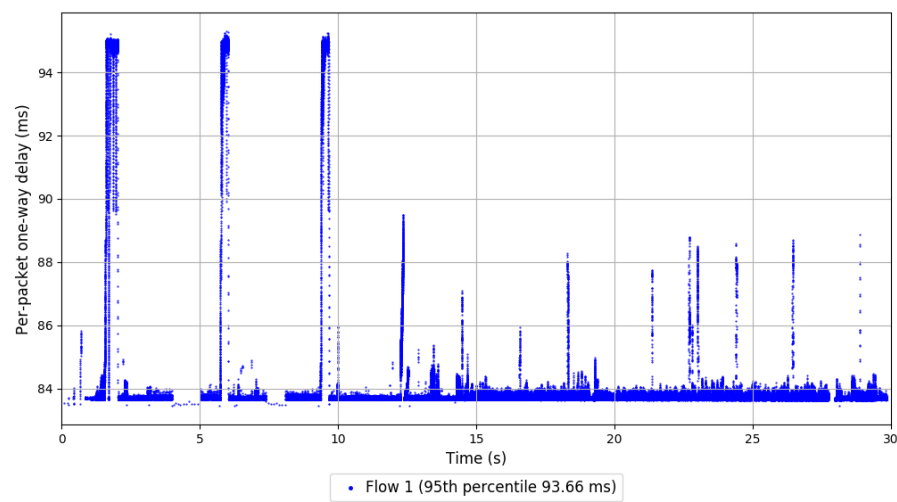
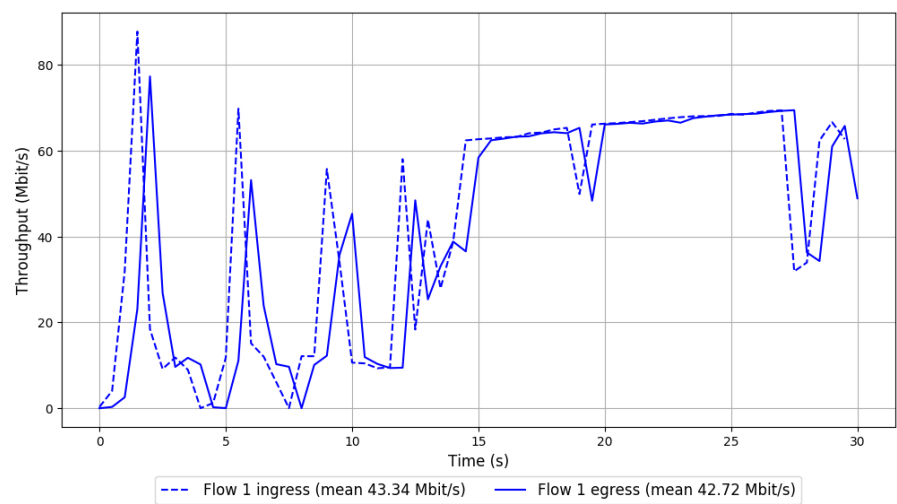
-- Flow 1:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 93.656 ms

Loss rate: 1.99%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 17:41:37

End at: 2018-08-09 17:42:07

Local clock offset: -8.1 ms

Remote clock offset: 4.263 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 92.337 ms

Loss rate: 0.88%

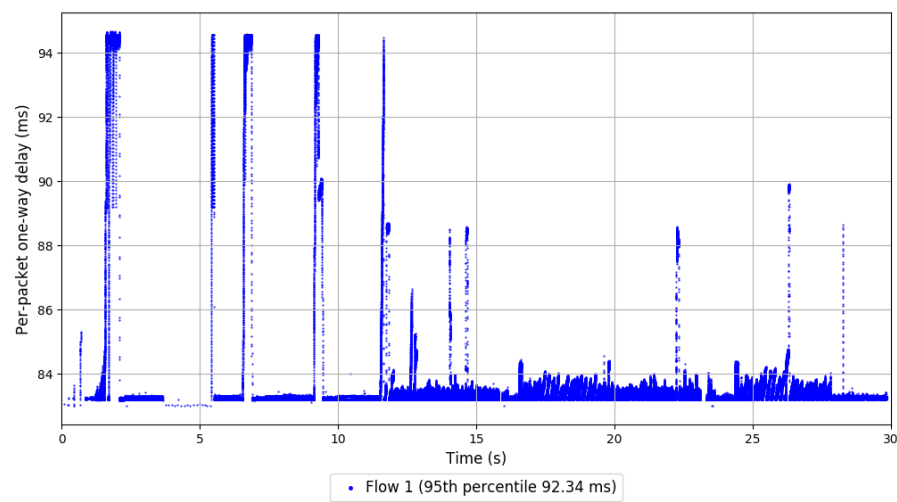
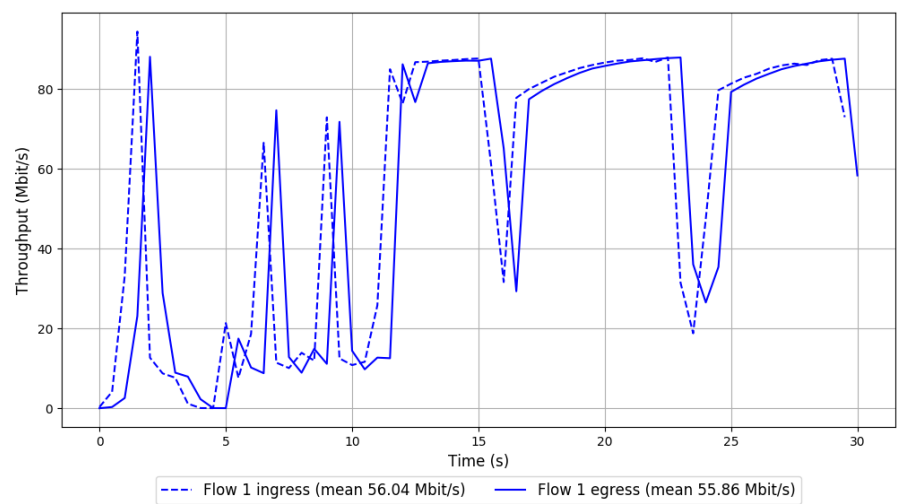
-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 92.337 ms

Loss rate: 0.88%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 18:01:25

End at: 2018-08-09 18:01:55

Local clock offset: -8.025 ms

Remote clock offset: 8.194 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.11 Mbit/s

95th percentile per-packet one-way delay: 85.798 ms

Loss rate: 0.82%

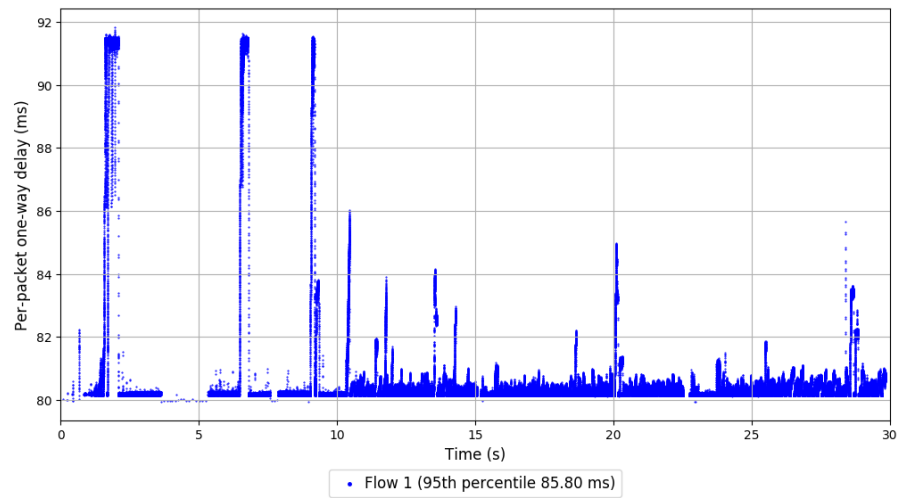
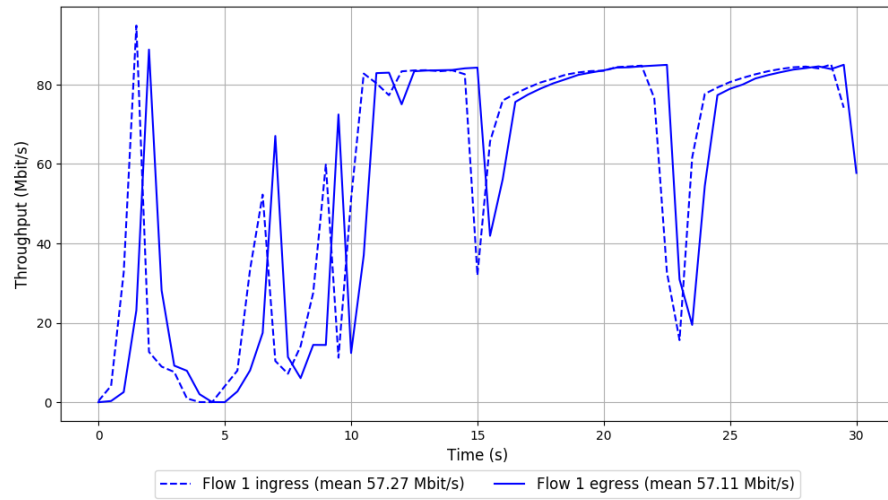
-- Flow 1:

Average throughput: 57.11 Mbit/s

95th percentile per-packet one-way delay: 85.798 ms

Loss rate: 0.82%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 18:21:16

End at: 2018-08-09 18:21:46

Local clock offset: -7.992 ms

Remote clock offset: 8.326 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 88.221 ms

Loss rate: 0.83%

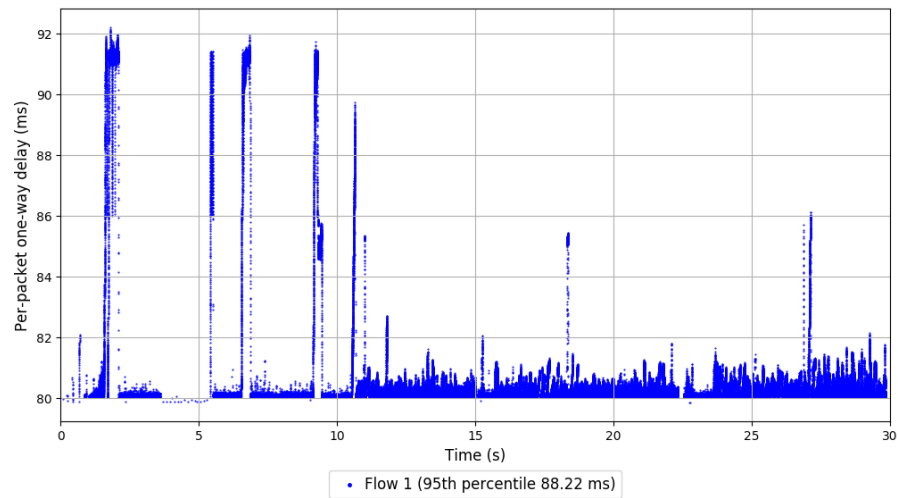
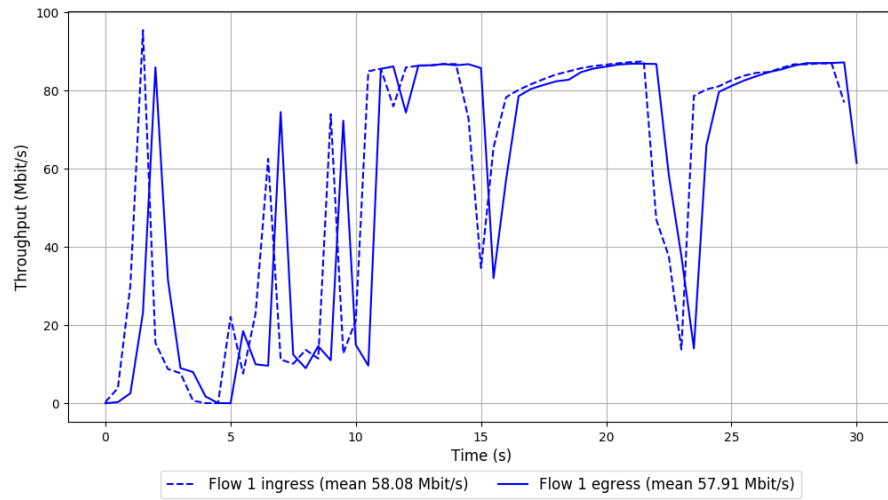
-- Flow 1:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 88.221 ms

Loss rate: 0.83%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 18:41:06

End at: 2018-08-09 18:41:36

Local clock offset: -8.023 ms

Remote clock offset: 8.59 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.89 Mbit/s

95th percentile per-packet one-way delay: 85.854 ms

Loss rate: 0.82%

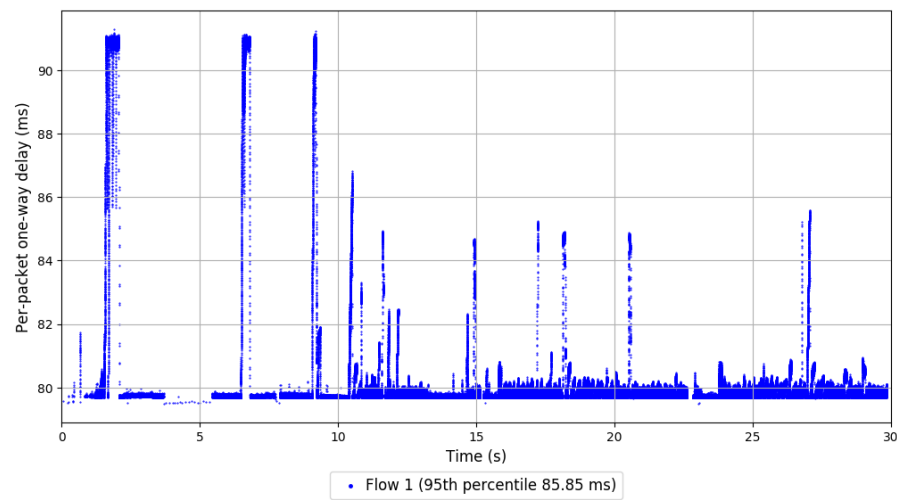
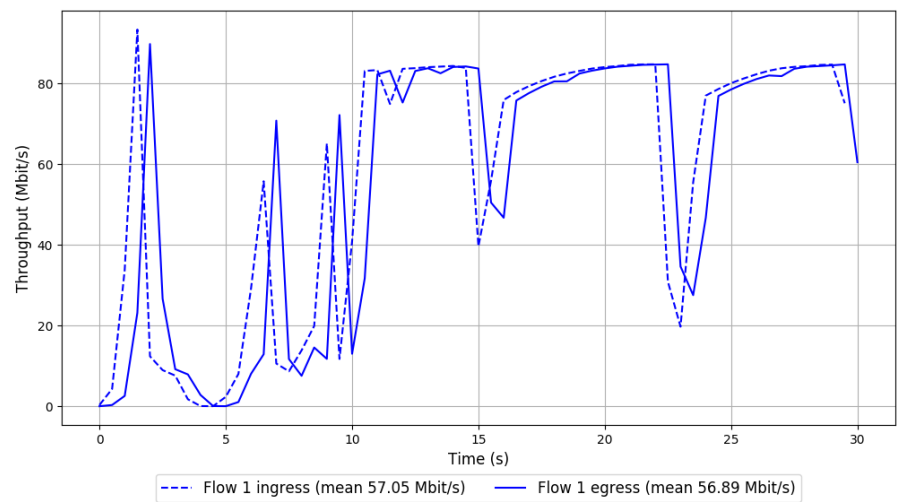
-- Flow 1:

Average throughput: 56.89 Mbit/s

95th percentile per-packet one-way delay: 85.854 ms

Loss rate: 0.82%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 19:00:59

End at: 2018-08-09 19:01:29

Local clock offset: -3.255 ms

Remote clock offset: 4.88 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 92.236 ms

Loss rate: 0.88%

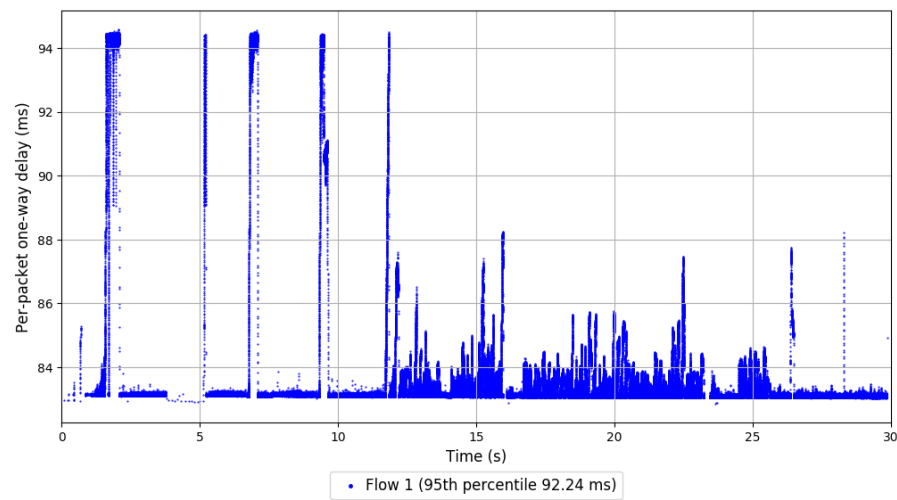
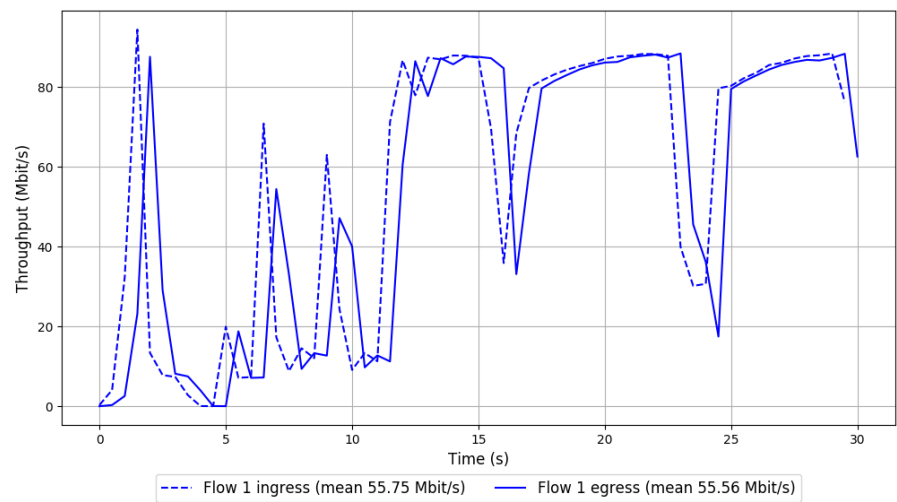
-- Flow 1:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 92.236 ms

Loss rate: 0.88%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 19:21:07

End at: 2018-08-09 19:21:37

Local clock offset: -2.428 ms

Remote clock offset: 6.952 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 91.529 ms

Loss rate: 0.86%

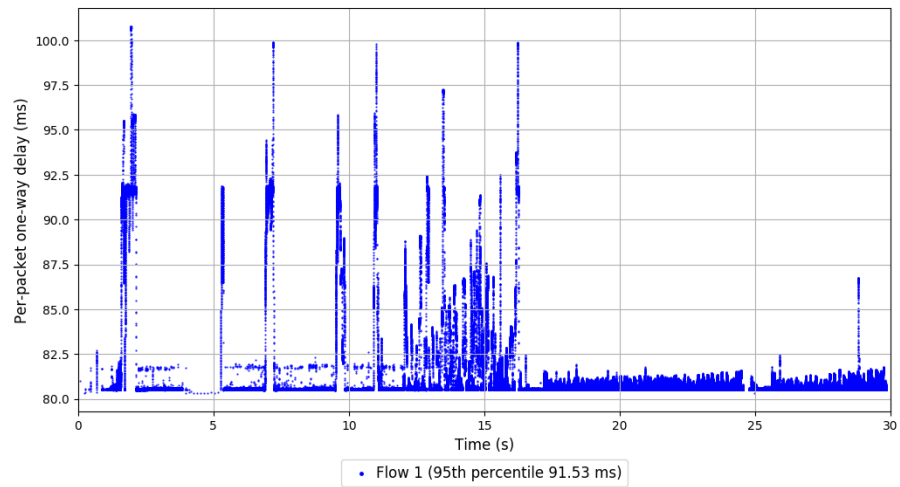
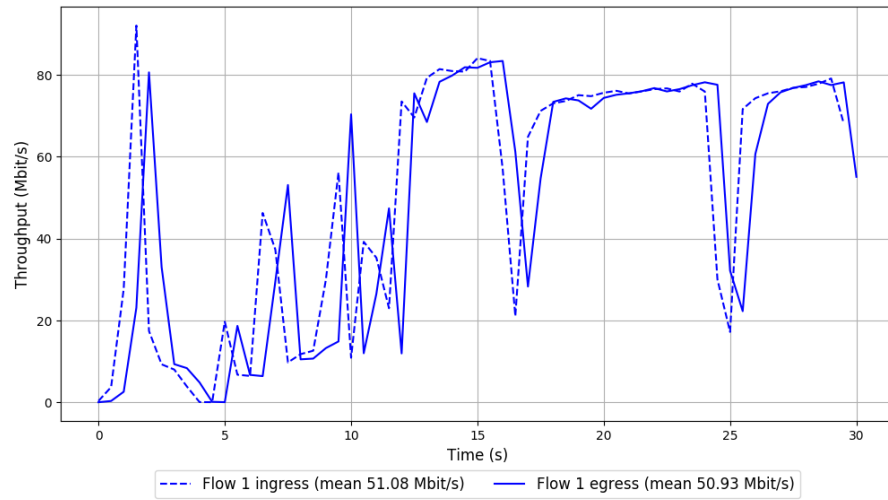
-- Flow 1:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 91.529 ms

Loss rate: 0.86%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 19:40:58

End at: 2018-08-09 19:41:28

Local clock offset: -2.86 ms

Remote clock offset: 3.481 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 95.505 ms

Loss rate: 0.87%

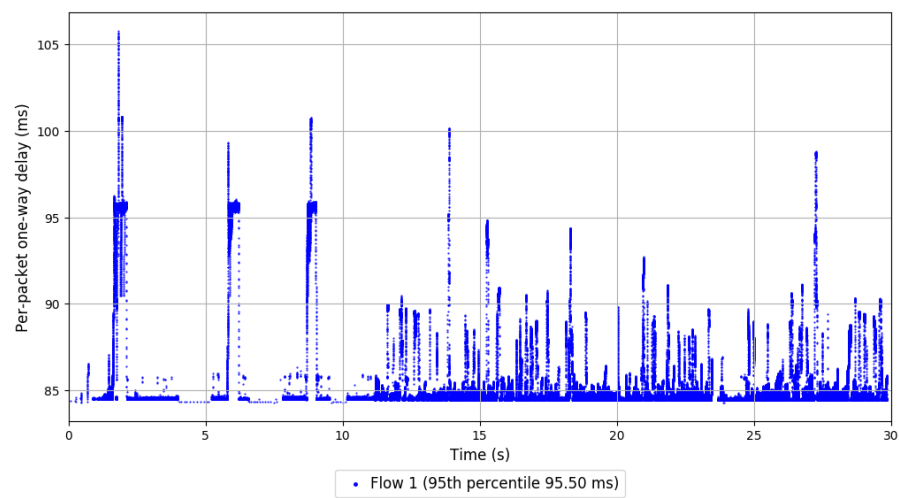
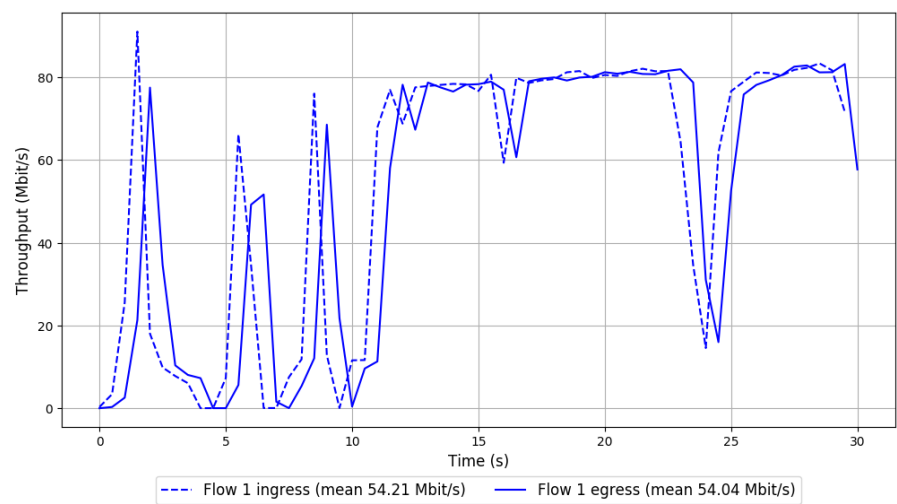
-- Flow 1:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 95.505 ms

Loss rate: 0.87%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 20:00:48

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

Local clock offset: -2.078 ms

Remote clock offset: 6.108 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.42 Mbit/s

95th percentile per-packet one-way delay: 86.054 ms

Loss rate: 0.80%

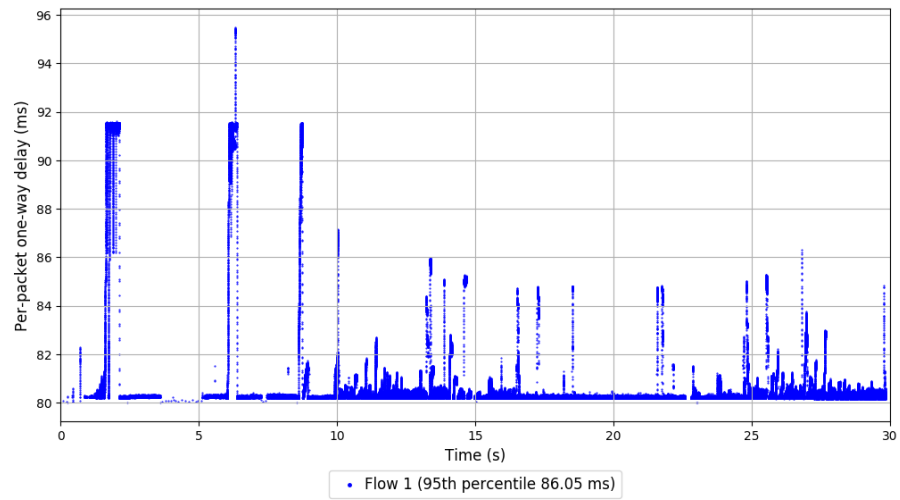
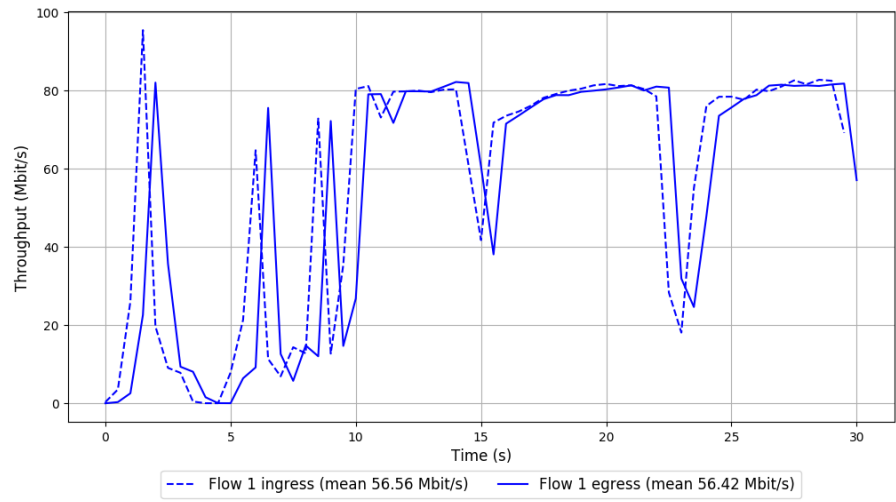
-- Flow 1:

Average throughput: 56.42 Mbit/s

95th percentile per-packet one-way delay: 86.054 ms

Loss rate: 0.80%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 20:20:49

End at: 2018-08-09 20:21:19

Local clock offset: -2.525 ms

Remote clock offset: 6.086 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 88.818 ms

Loss rate: 0.83%

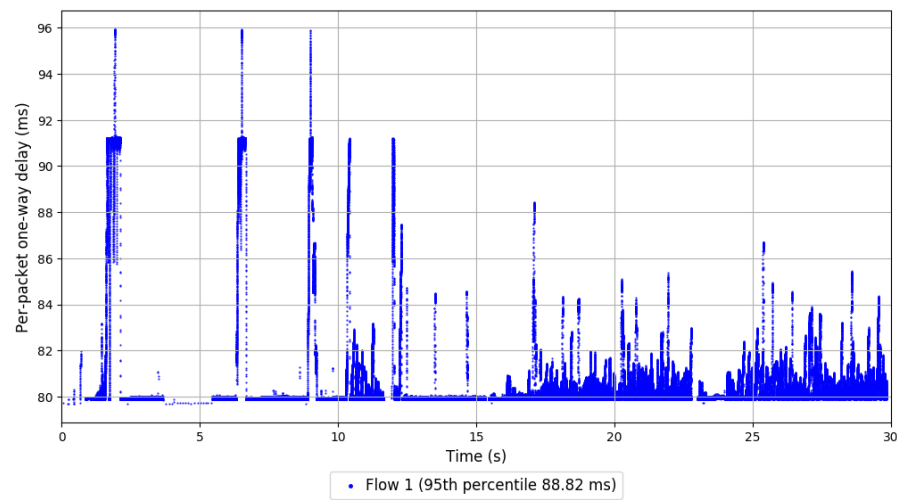
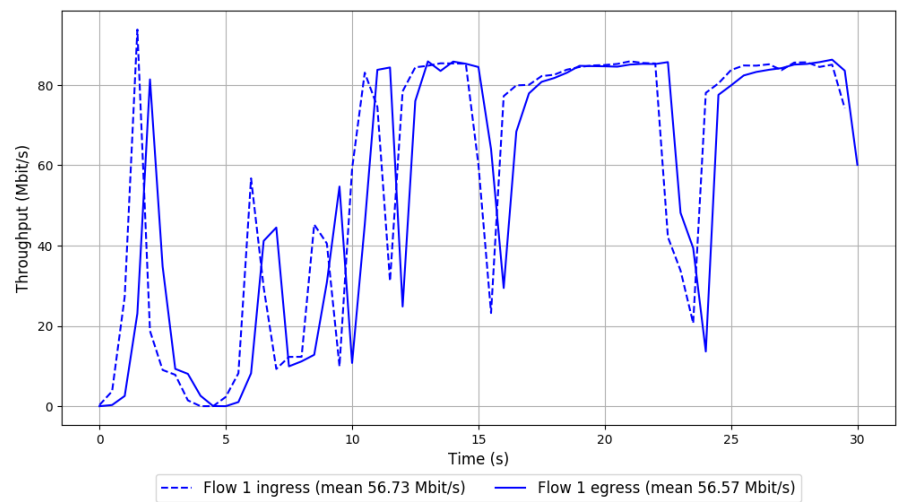
-- Flow 1:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 88.818 ms

Loss rate: 0.83%

Run 10: Report of QUIC Cubic — Data Link

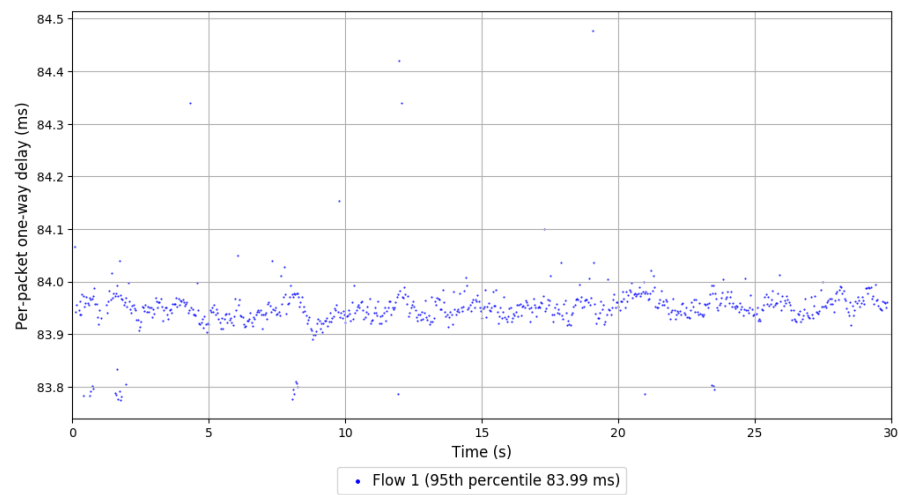
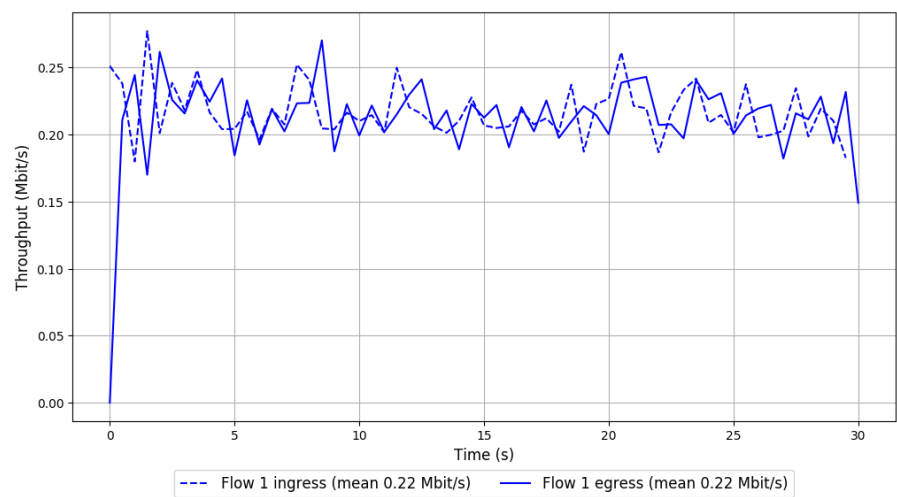


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 17:38:07
End at: 2018-08-09 17:38:37
Local clock offset: -8.05 ms
Remote clock offset: 3.701 ms

# Below is generated by plot.py at 2018-08-09 20:55:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.990 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.990 ms
Loss rate: 0.51%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-09 17:57:56

End at: 2018-08-09 17:58:26

Local clock offset: -7.981 ms

Remote clock offset: 7.822 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.578 ms

Loss rate: 0.51%

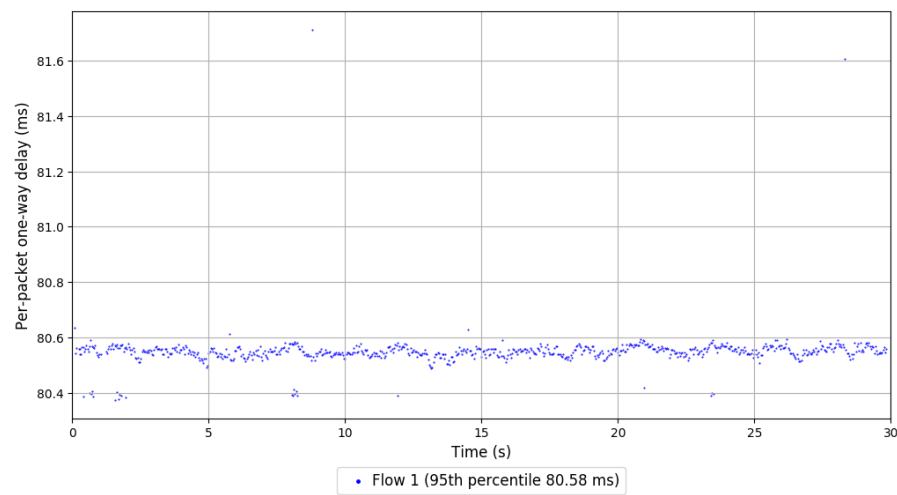
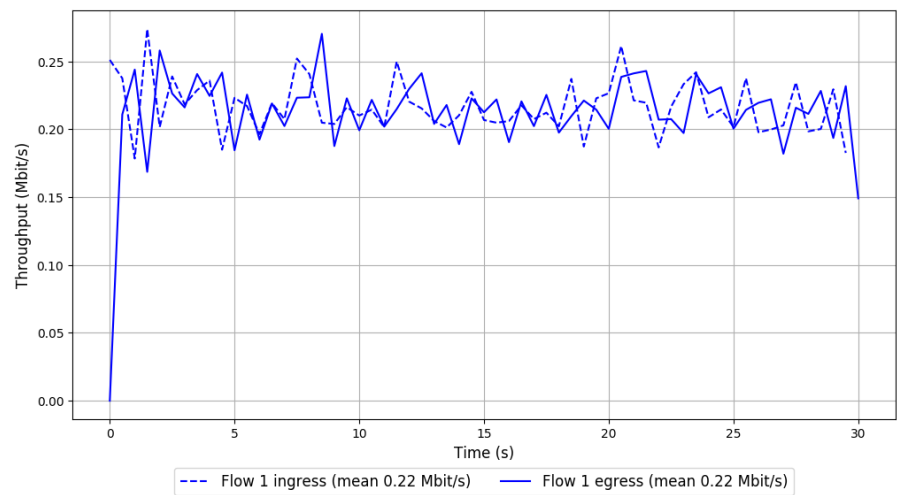
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.578 ms

Loss rate: 0.51%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-09 18:17:45

End at: 2018-08-09 18:18:15

Local clock offset: -8.045 ms

Remote clock offset: 4.435 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.598 ms

Loss rate: 0.51%

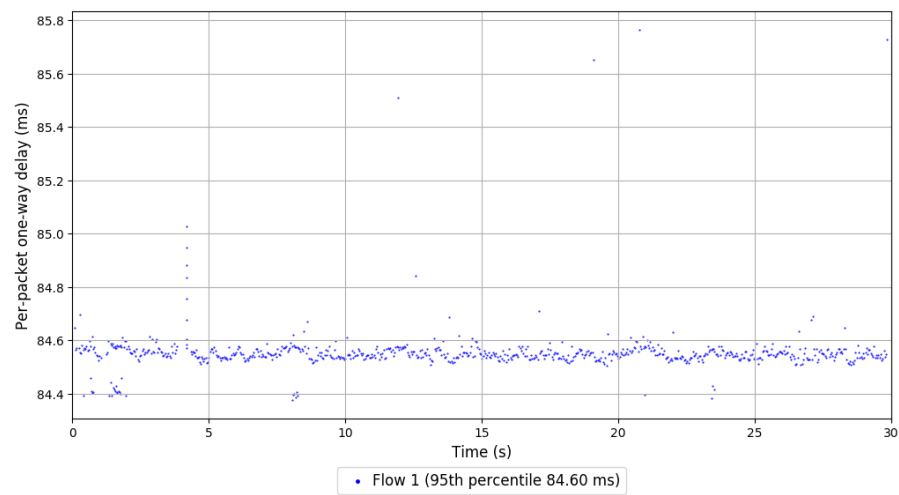
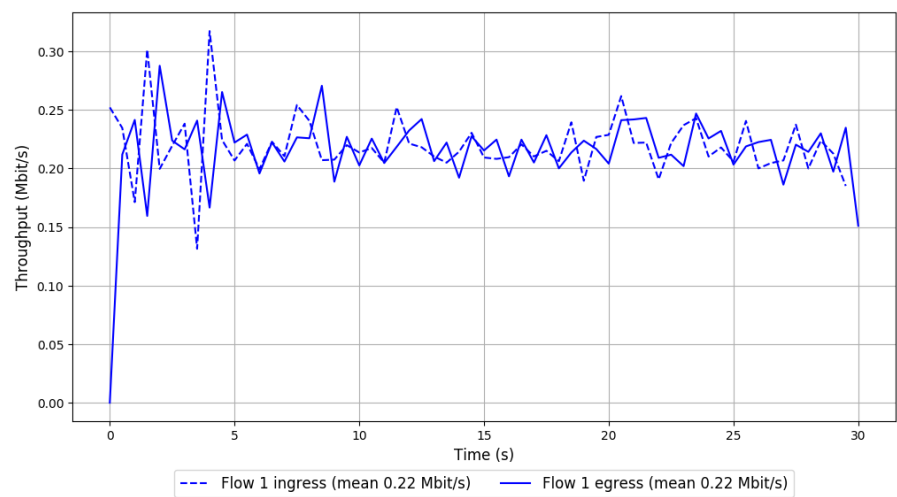
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.598 ms

Loss rate: 0.51%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-09 18:37:36

End at: 2018-08-09 18:38:06

Local clock offset: -8.018 ms

Remote clock offset: 8.342 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.965 ms

Loss rate: 0.51%

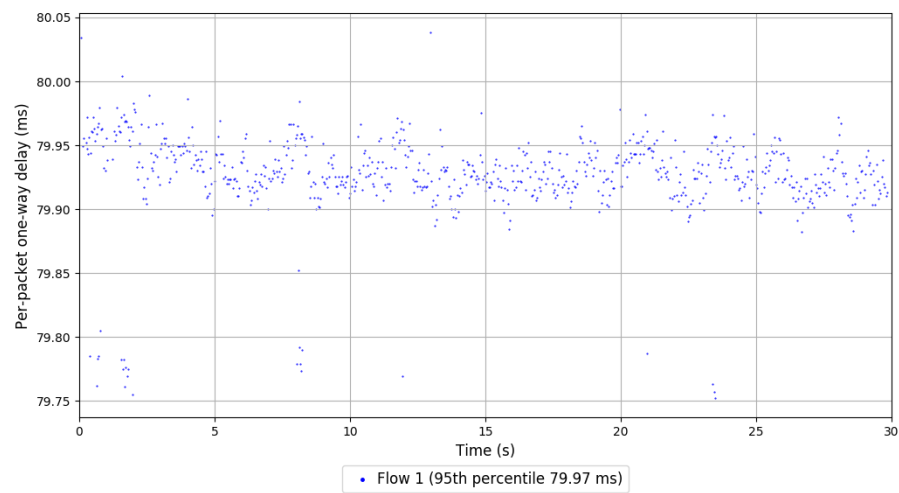
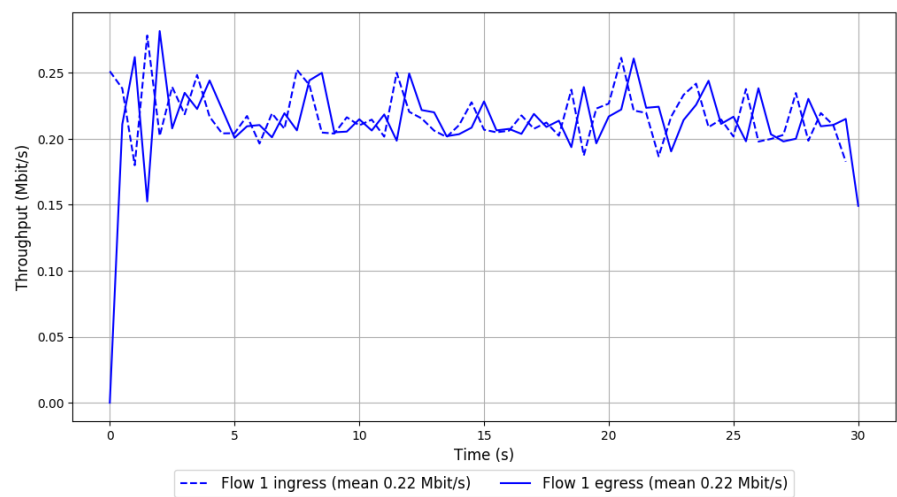
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.965 ms

Loss rate: 0.51%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-09 18:57:28

End at: 2018-08-09 18:57:58

Local clock offset: -3.829 ms

Remote clock offset: 7.843 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.048 ms

Loss rate: 0.64%

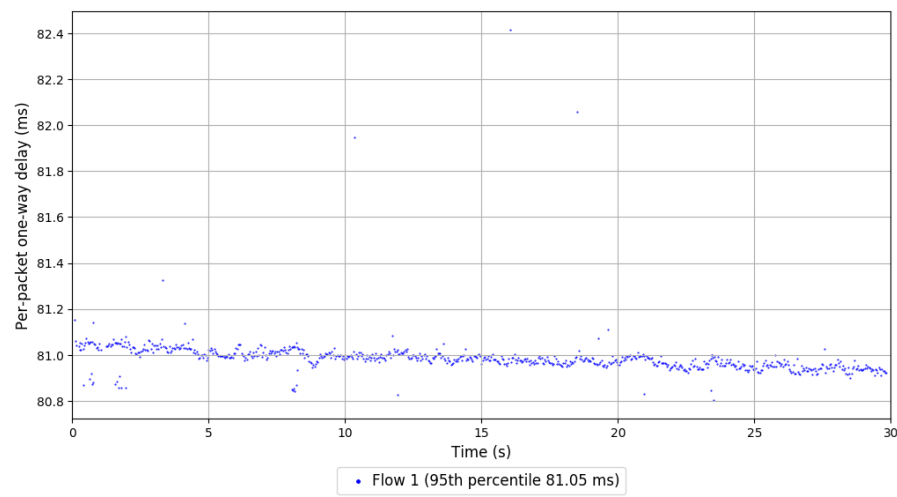
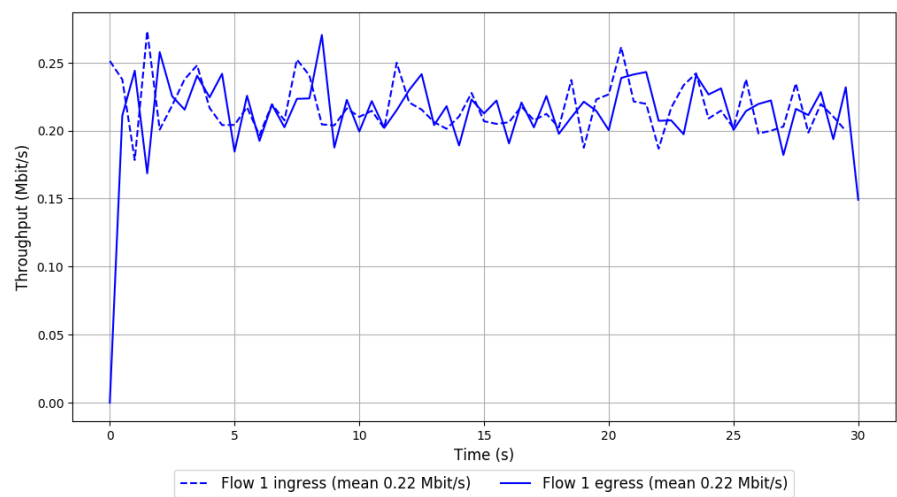
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.048 ms

Loss rate: 0.64%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-09 19:17:39

End at: 2018-08-09 19:18:09

Local clock offset: -2.072 ms

Remote clock offset: 3.788 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.147 ms

Loss rate: 0.51%

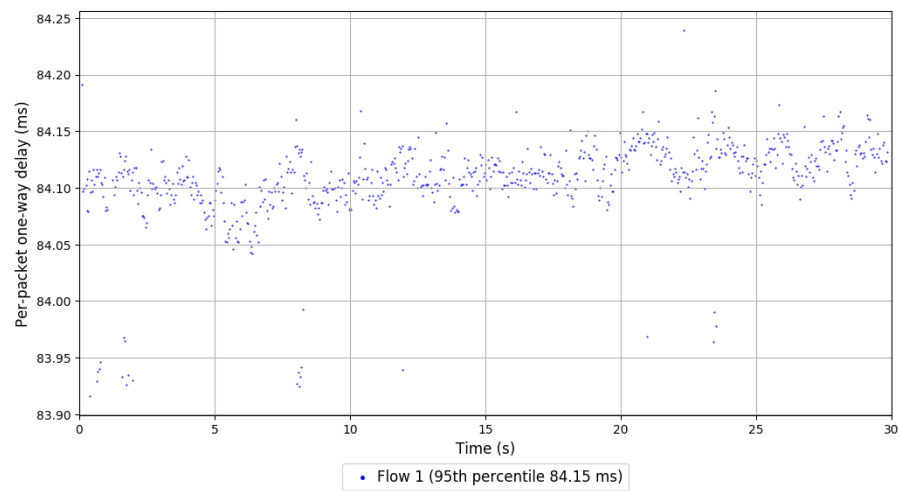
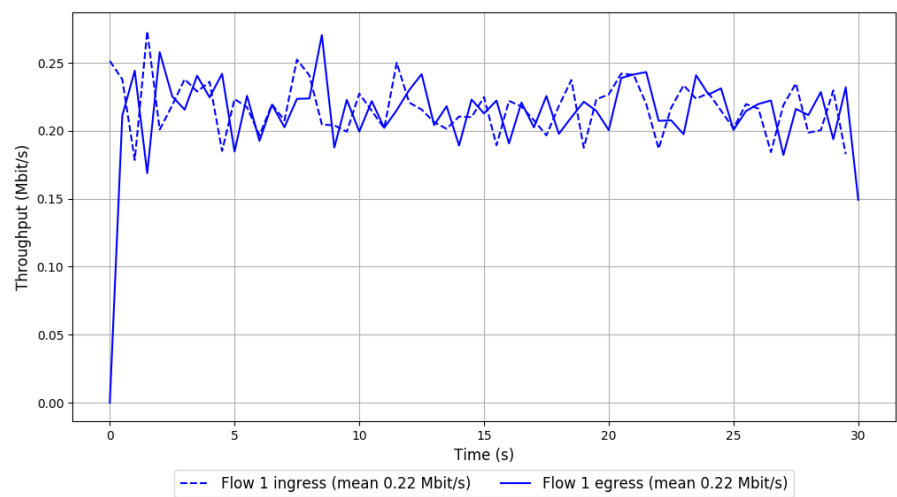
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.147 ms

Loss rate: 0.51%

Run 6: Report of SCReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-09 19:37:27

End at: 2018-08-09 19:37:58

Local clock offset: -2.857 ms

Remote clock offset: 3.422 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.097 ms

Loss rate: 0.64%

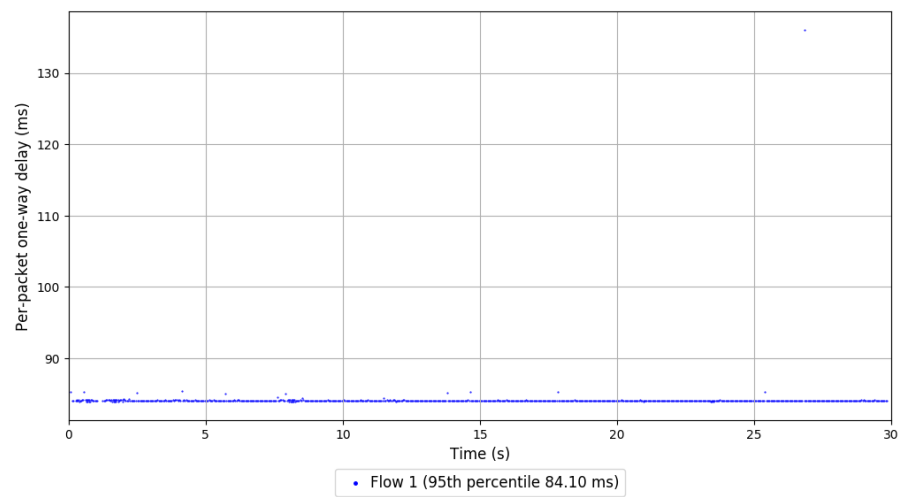
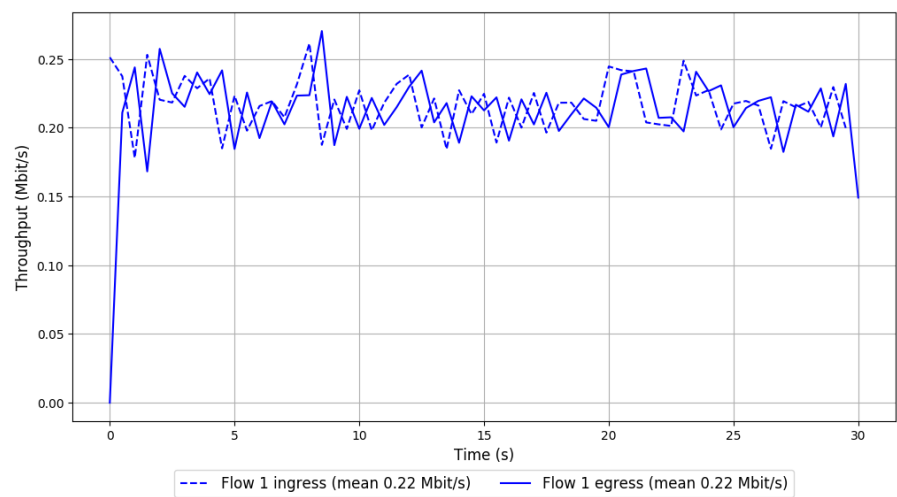
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.097 ms

Loss rate: 0.64%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-09 19:57:17

End at: 2018-08-09 19:57:47

Local clock offset: -2.196 ms

Remote clock offset: 2.904 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.354 ms

Loss rate: 0.64%

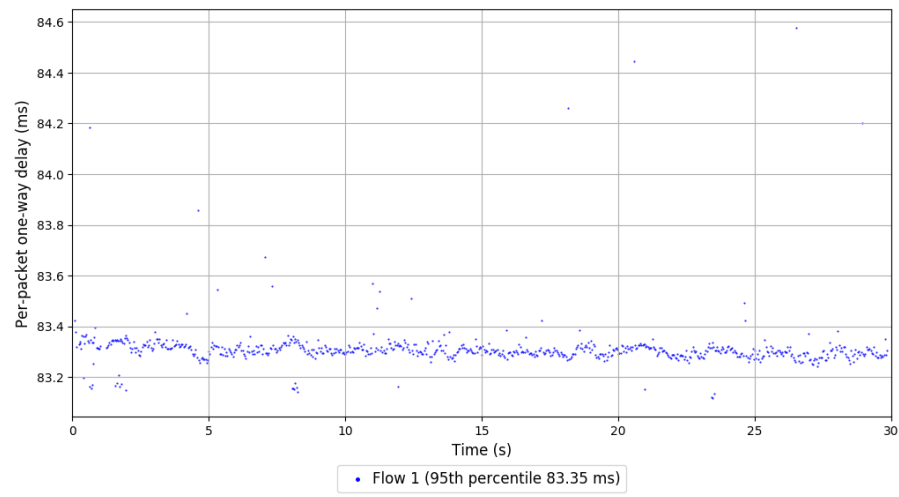
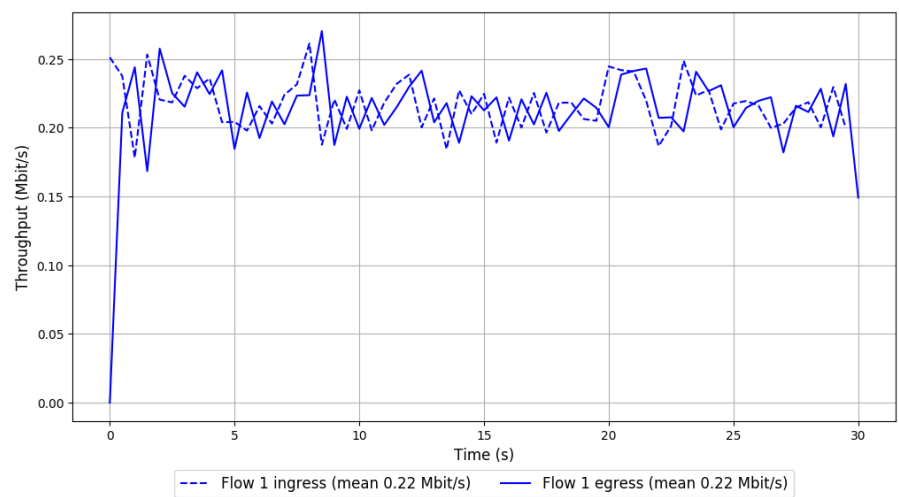
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.354 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-09 20:17:18

End at: 2018-08-09 20:17:48

Local clock offset: -1.898 ms

Remote clock offset: 2.917 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.534 ms

Loss rate: 0.51%

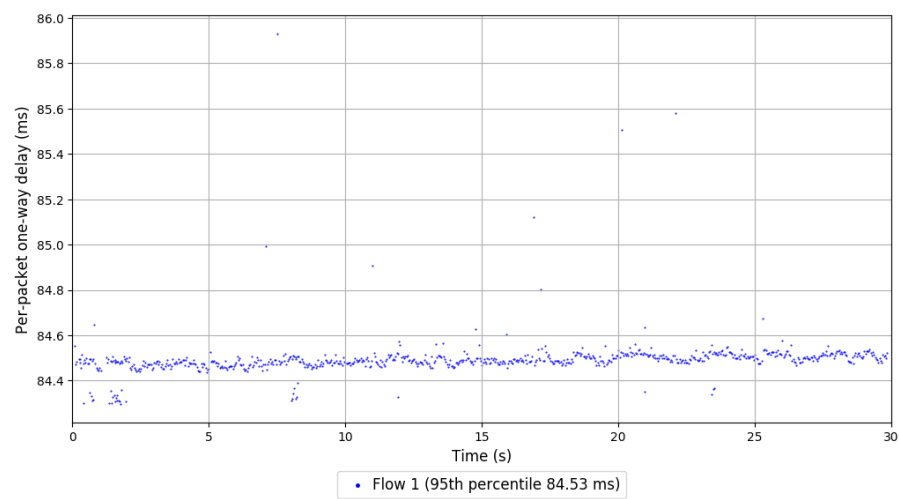
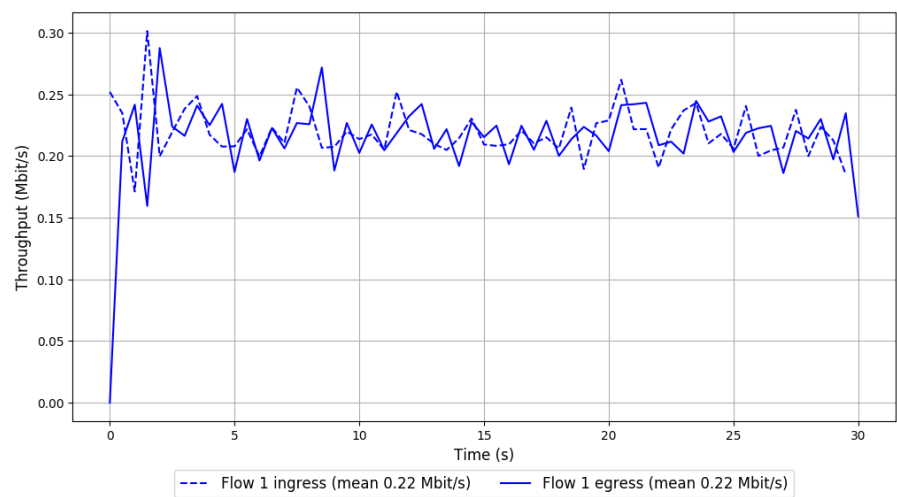
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.534 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 20:37:13

End at: 2018-08-09 20:37:43

Local clock offset: -3.535 ms

Remote clock offset: 5.35 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.924 ms

Loss rate: 0.51%

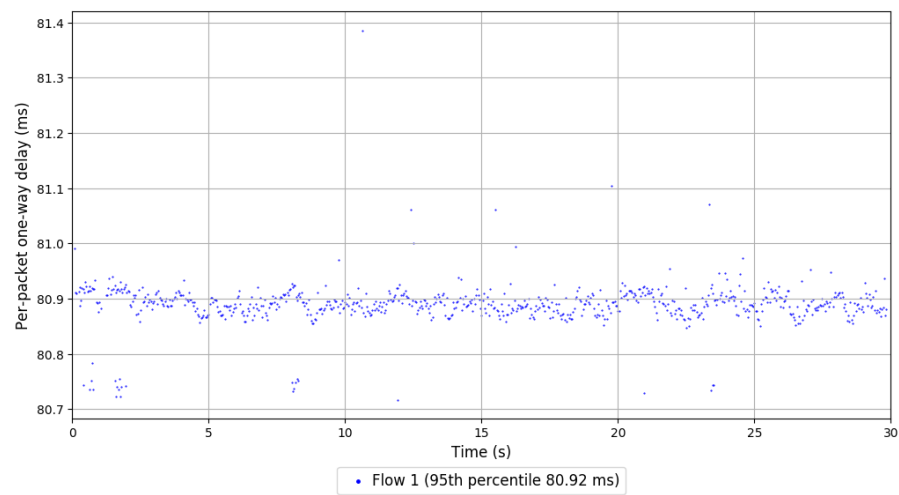
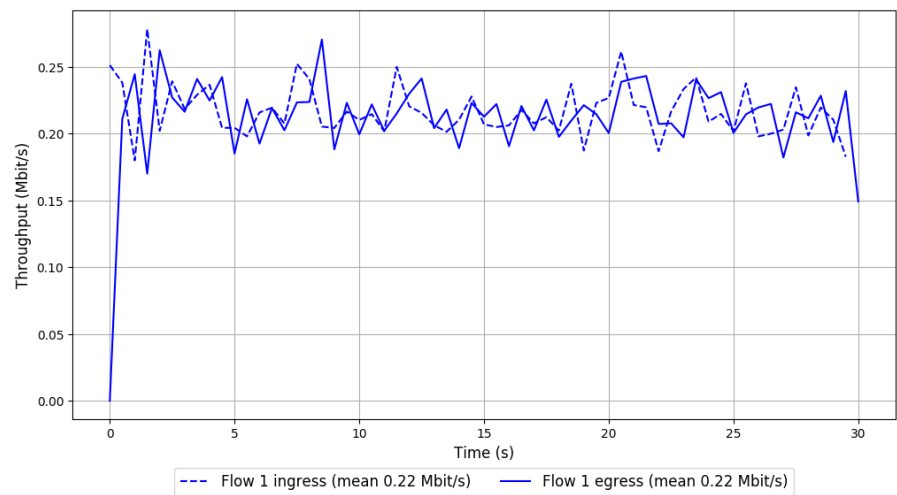
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.924 ms

Loss rate: 0.51%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-09 17:31:14

End at: 2018-08-09 17:31:44

Local clock offset: -8.0 ms

Remote clock offset: 3.78 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 84.241 ms

Loss rate: 0.02%

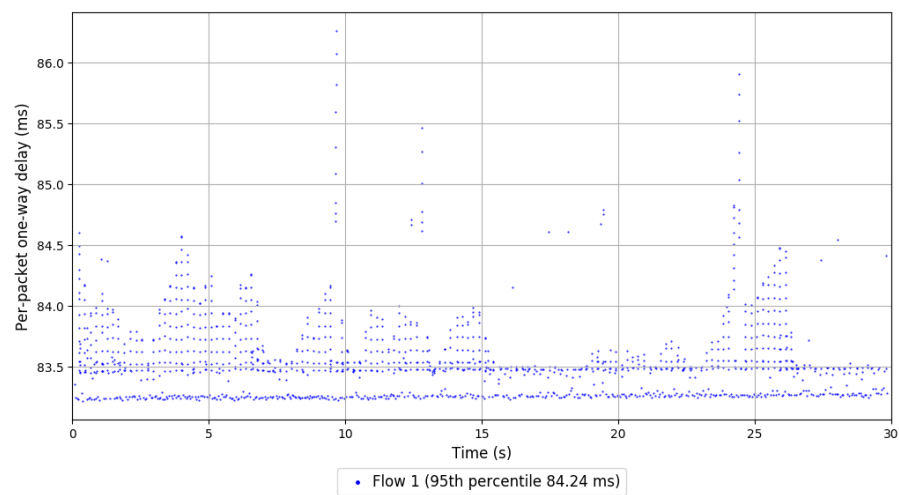
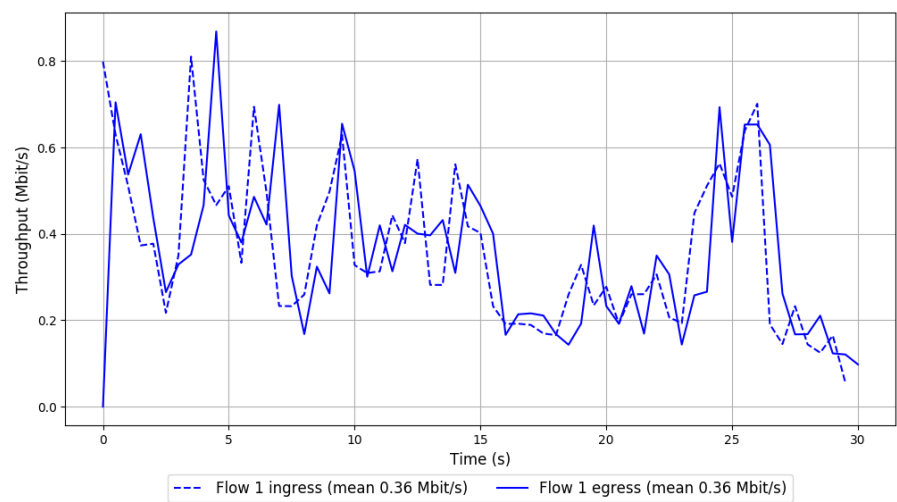
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 84.241 ms

Loss rate: 0.02%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-09 17:51:03

End at: 2018-08-09 17:51:33

Local clock offset: -8.012 ms

Remote clock offset: 7.869 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 81.388 ms

Loss rate: 0.27%

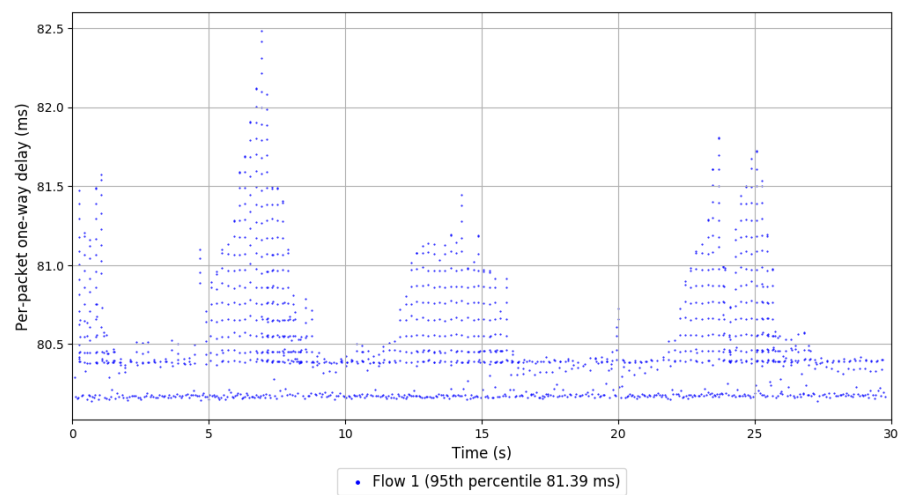
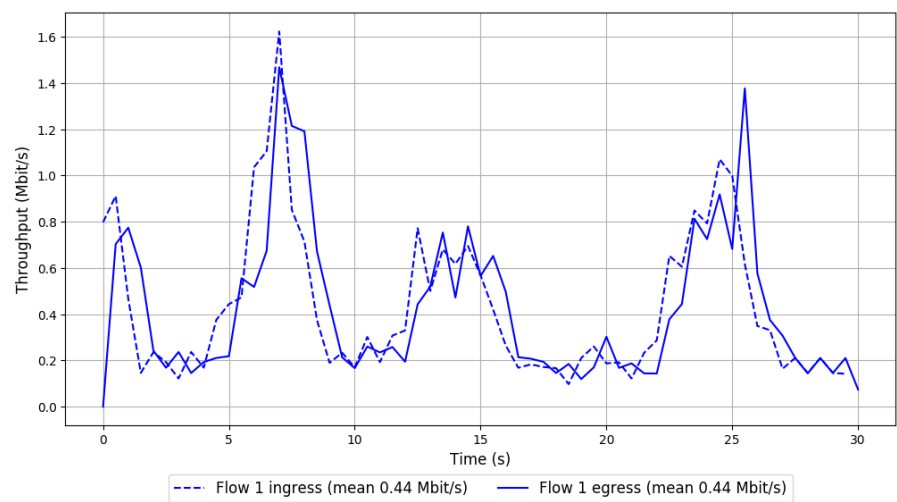
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 81.388 ms

Loss rate: 0.27%

Run 2: Report of Sprout — Data Link

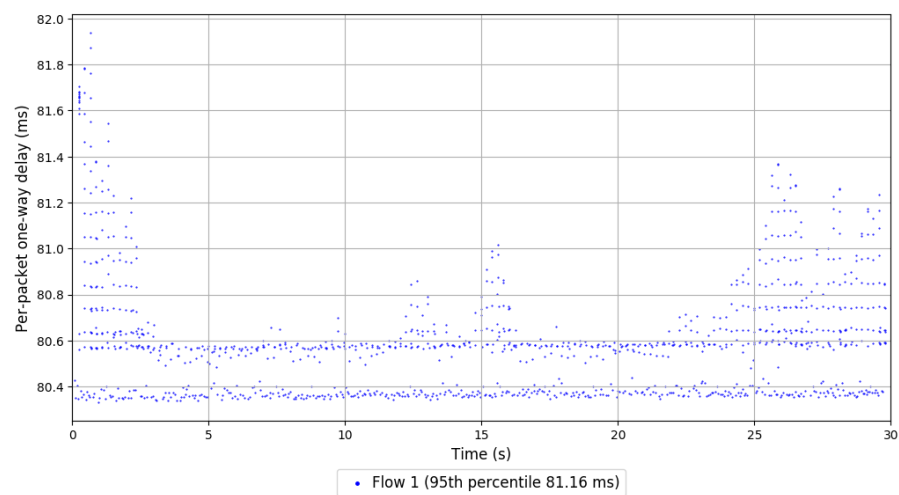
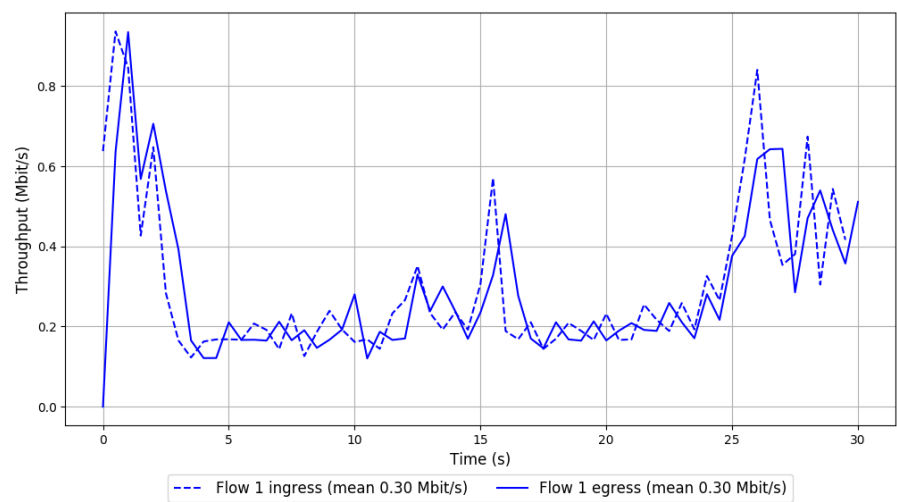


Run 3: Statistics of Sprout

Start at: 2018-08-09 18:10:51
End at: 2018-08-09 18:11:21
Local clock offset: -8.036 ms
Remote clock offset: 7.801 ms

Below is generated by plot.py at 2018-08-09 20:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 81.162 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 81.162 ms
Loss rate: 0.51%

Run 3: Report of Sprout — Data Link

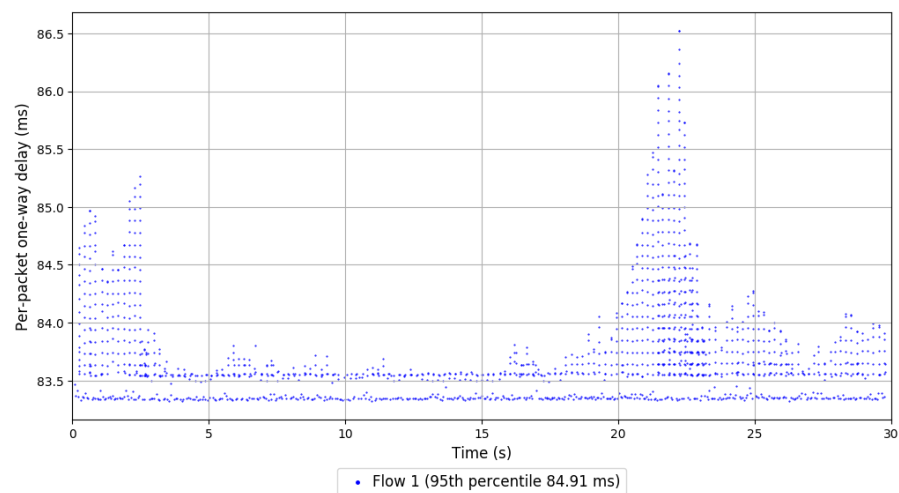
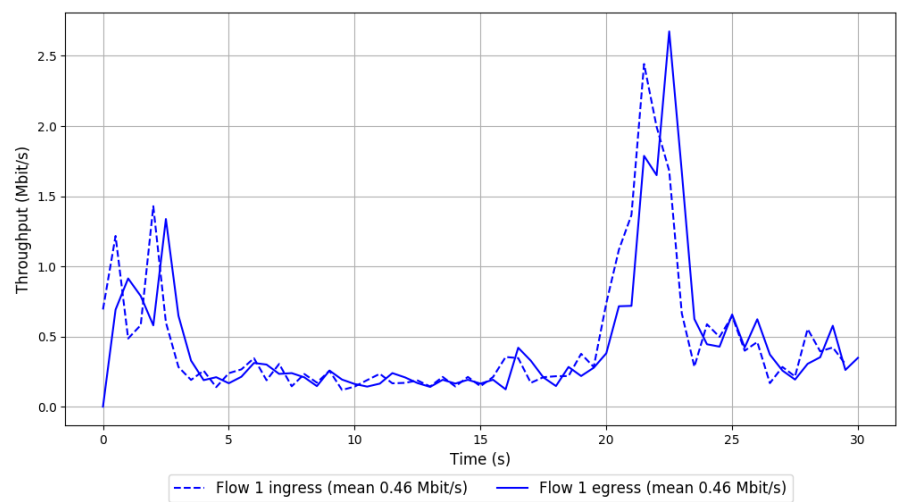


Run 4: Statistics of Sprout

Start at: 2018-08-09 18:30:43
End at: 2018-08-09 18:31:13
Local clock offset: -7.995 ms
Remote clock offset: 5.199 ms

Below is generated by plot.py at 2018-08-09 20:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 84.907 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 84.907 ms
Loss rate: 0.50%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-09 18:50:34

End at: 2018-08-09 18:51:04

Local clock offset: -5.74 ms

Remote clock offset: 8.635 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 80.691 ms

Loss rate: 1.80%

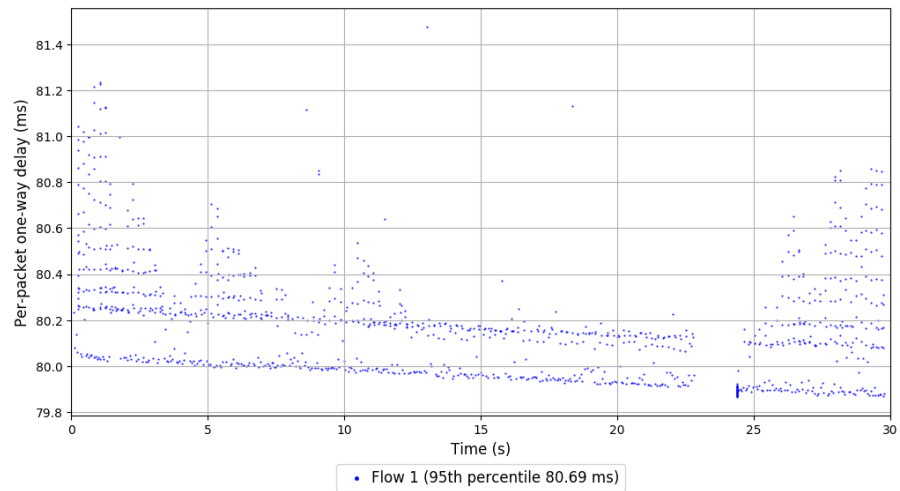
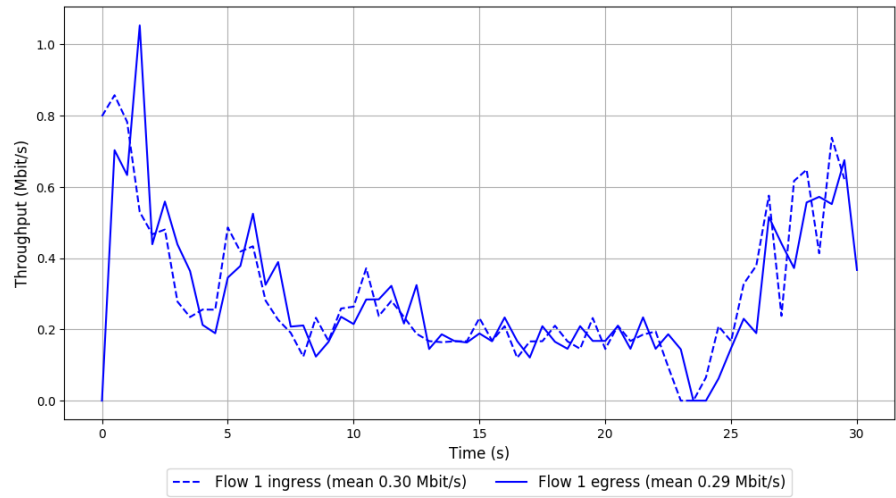
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 80.691 ms

Loss rate: 1.80%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-09 19:10:45

End at: 2018-08-09 19:11:15

Local clock offset: -2.081 ms

Remote clock offset: 4.248 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 84.879 ms

Loss rate: 0.09%

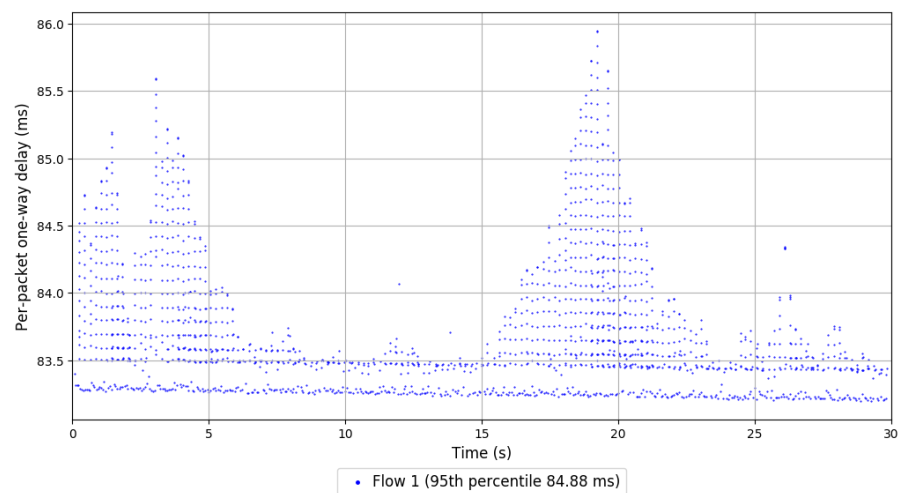
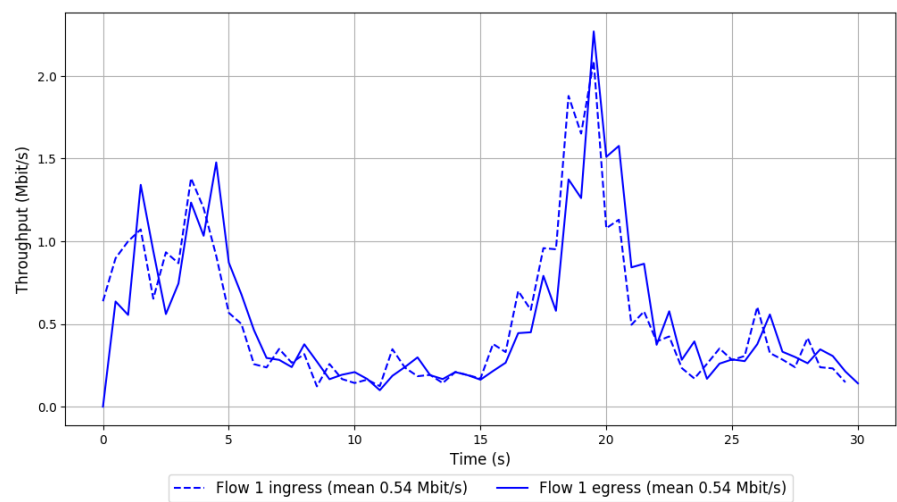
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 84.879 ms

Loss rate: 0.09%

Run 6: Report of Sprout — Data Link

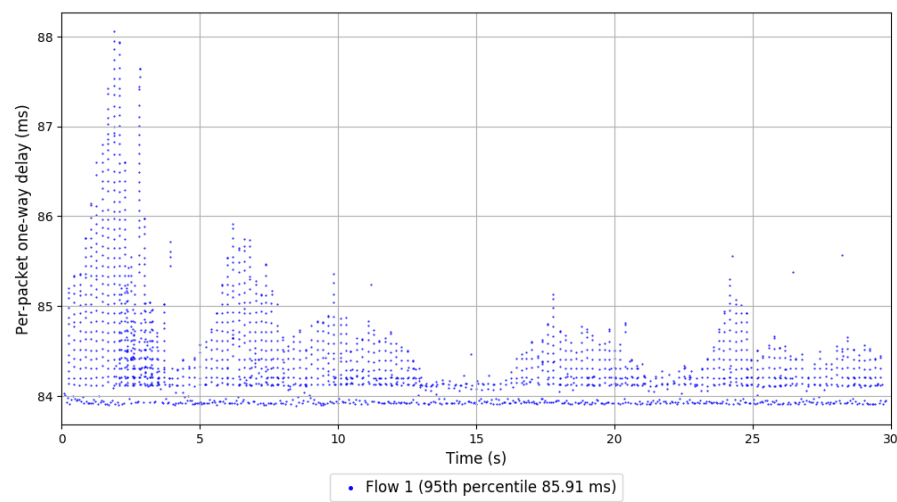
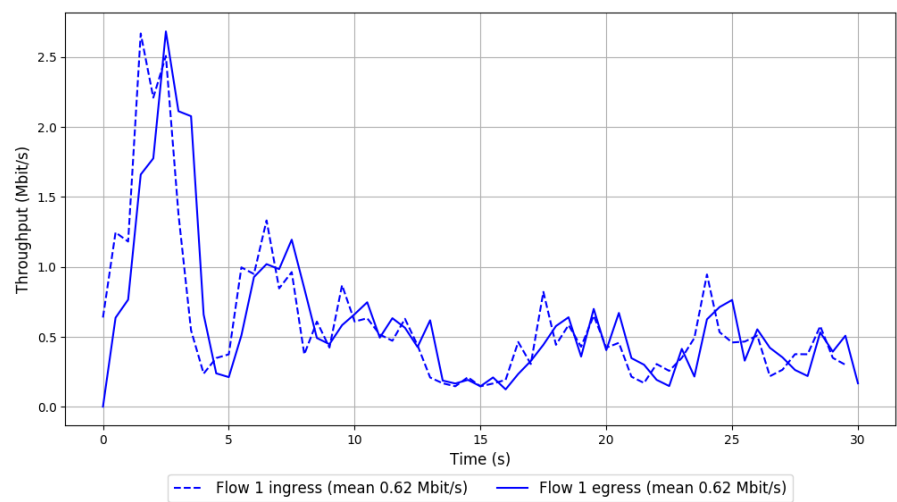


Run 7: Statistics of Sprout

Start at: 2018-08-09 19:30:34
End at: 2018-08-09 19:31:04
Local clock offset: -2.862 ms
Remote clock offset: 3.935 ms

Below is generated by plot.py at 2018-08-09 20:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 85.909 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 85.909 ms
Loss rate: 0.43%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-09 19:50:24

End at: 2018-08-09 19:50:54

Local clock offset: -2.557 ms

Remote clock offset: 6.525 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 81.676 ms

Loss rate: 0.45%

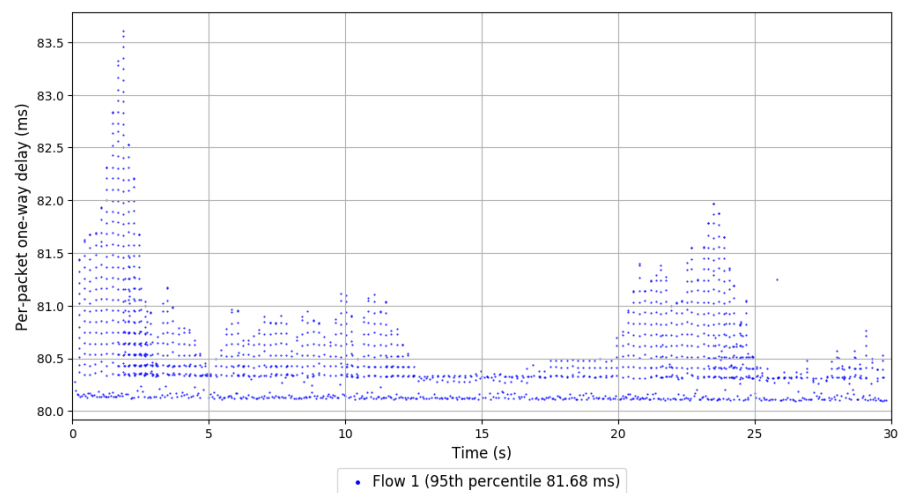
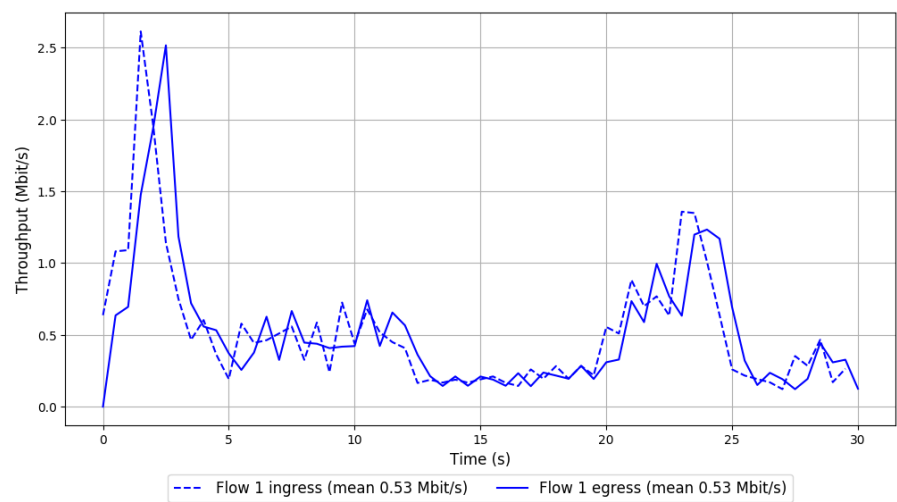
-- Flow 1:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 81.676 ms

Loss rate: 0.45%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-09 20:10:24

End at: 2018-08-09 20:10:54

Local clock offset: -1.732 ms

Remote clock offset: 2.803 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 84.785 ms

Loss rate: 0.28%

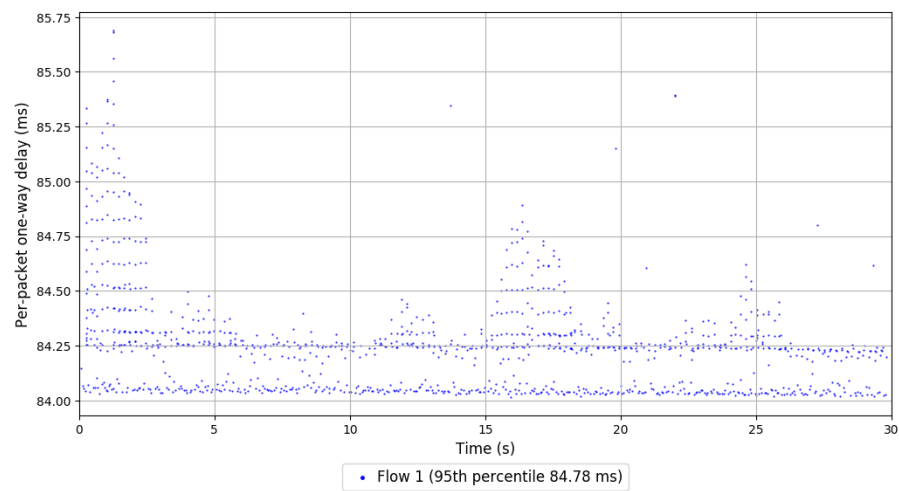
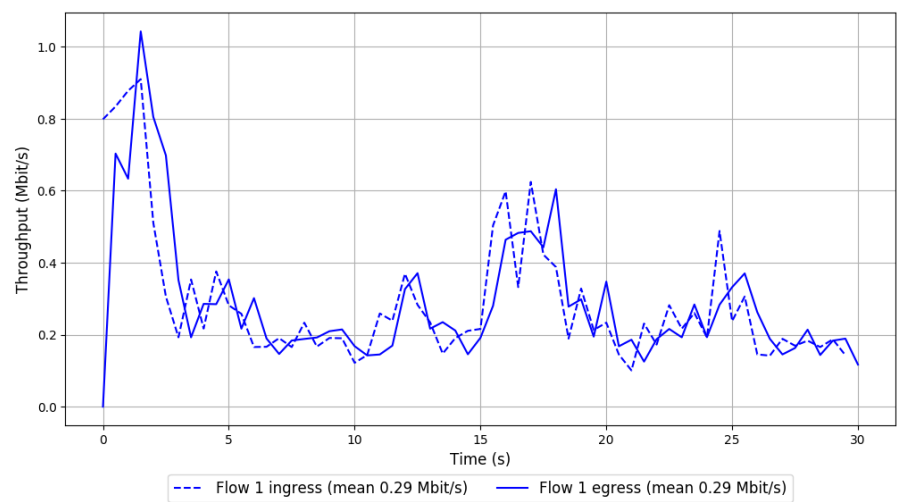
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 84.785 ms

Loss rate: 0.28%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-09 20:30:18

End at: 2018-08-09 20:30:48

Local clock offset: -3.398 ms

Remote clock offset: 2.292 ms

Below is generated by plot.py at 2018-08-09 20:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 85.065 ms

Loss rate: 0.25%

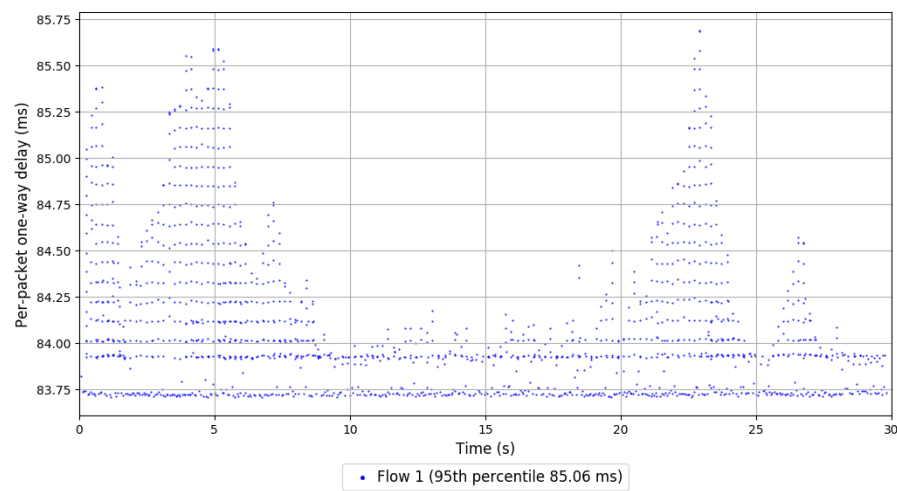
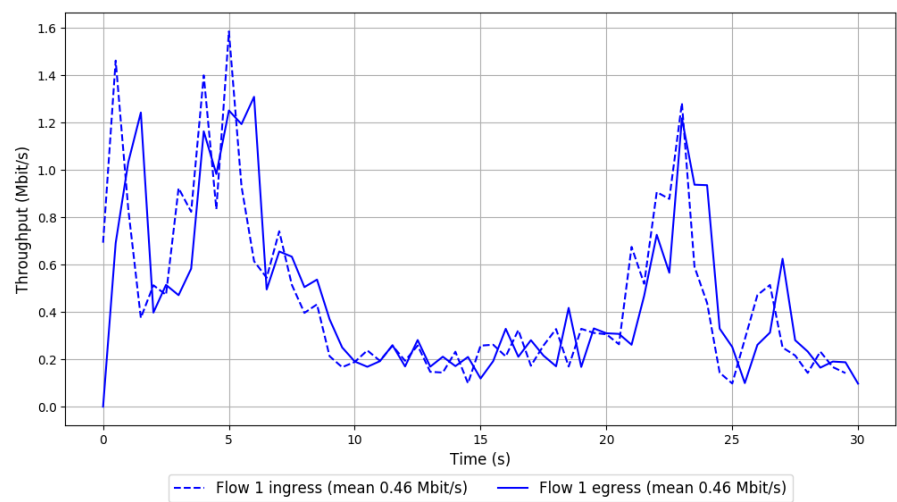
-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 85.065 ms

Loss rate: 0.25%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 17:27:37

End at: 2018-08-09 17:28:07

Local clock offset: -8.113 ms

Remote clock offset: 6.772 ms

Below is generated by plot.py at 2018-08-09 20:56:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.49 Mbit/s

95th percentile per-packet one-way delay: 90.471 ms

Loss rate: 0.54%

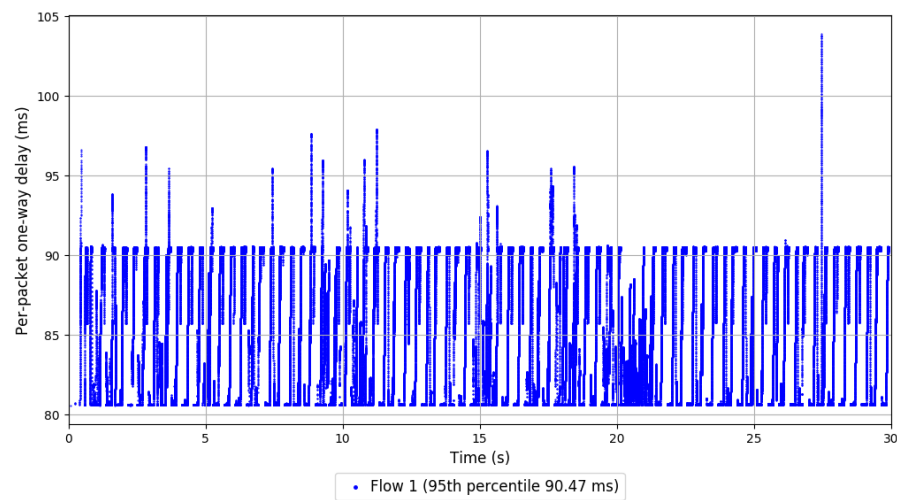
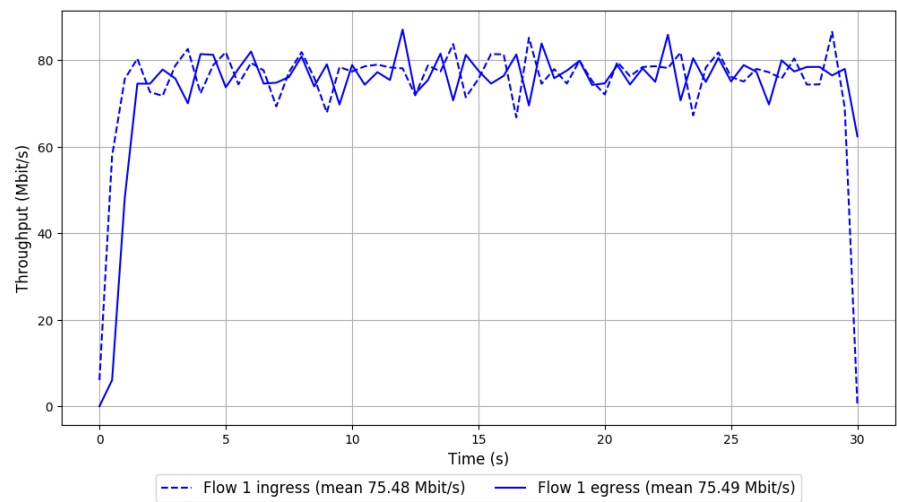
-- Flow 1:

Average throughput: 75.49 Mbit/s

95th percentile per-packet one-way delay: 90.471 ms

Loss rate: 0.54%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 17:47:26

End at: 2018-08-09 17:47:56

Local clock offset: -8.093 ms

Remote clock offset: 7.887 ms

Below is generated by plot.py at 2018-08-09 20:56:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 89.986 ms

Loss rate: 0.72%

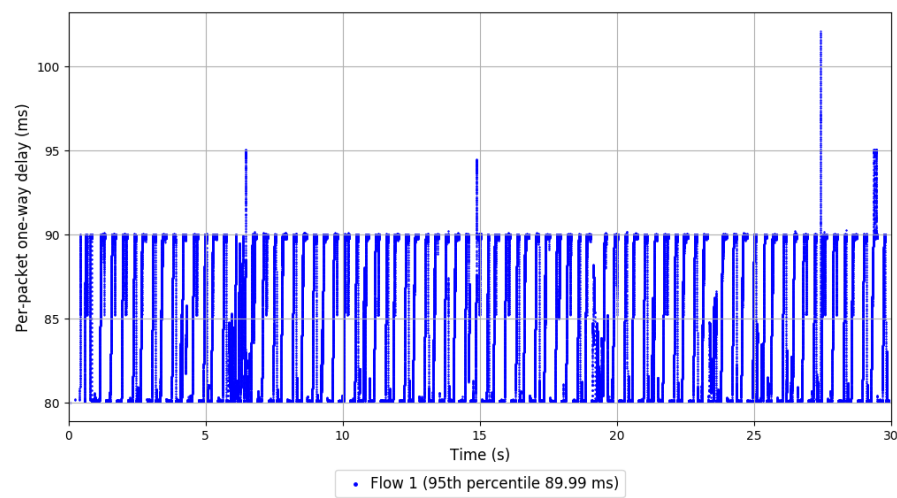
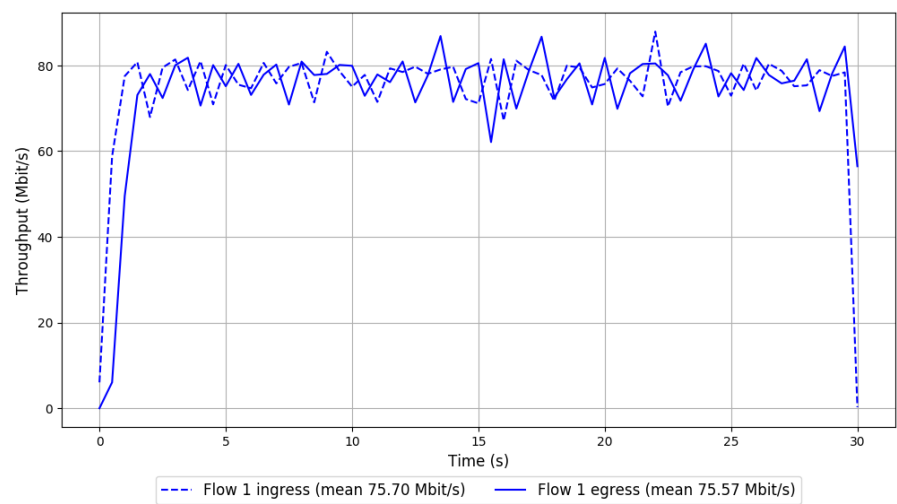
-- Flow 1:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 89.986 ms

Loss rate: 0.72%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 18:07:14

End at: 2018-08-09 18:07:44

Local clock offset: -8.018 ms

Remote clock offset: 4.768 ms

Below is generated by plot.py at 2018-08-09 20:56:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 93.591 ms

Loss rate: 0.73%

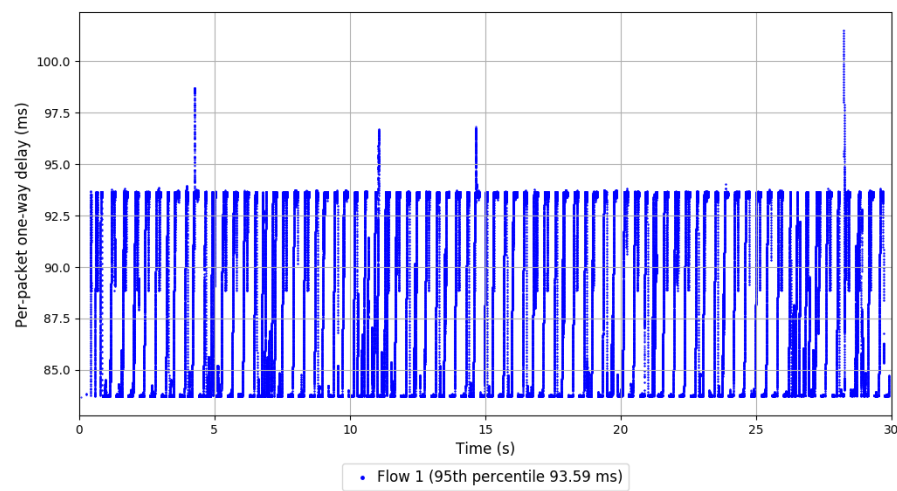
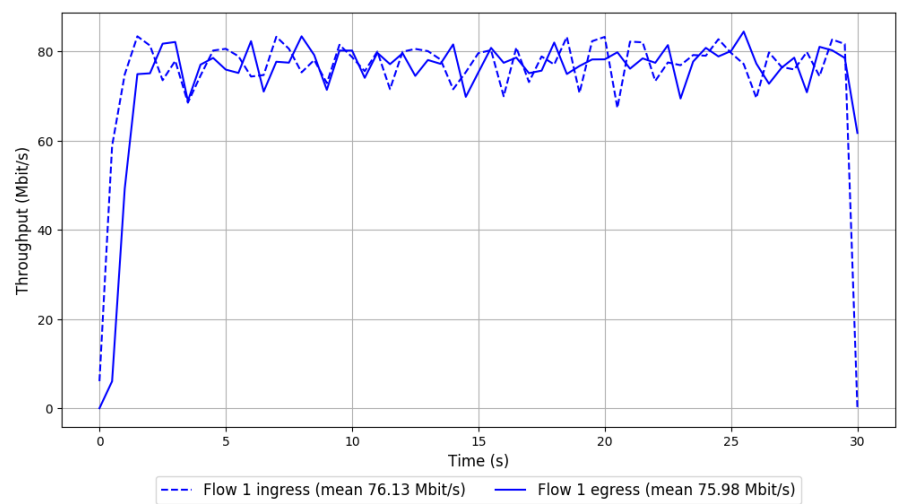
-- Flow 1:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 93.591 ms

Loss rate: 0.73%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 18:27:06

End at: 2018-08-09 18:27:36

Local clock offset: -7.995 ms

Remote clock offset: 4.755 ms

Below is generated by plot.py at 2018-08-09 20:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 93.724 ms

Loss rate: 0.53%

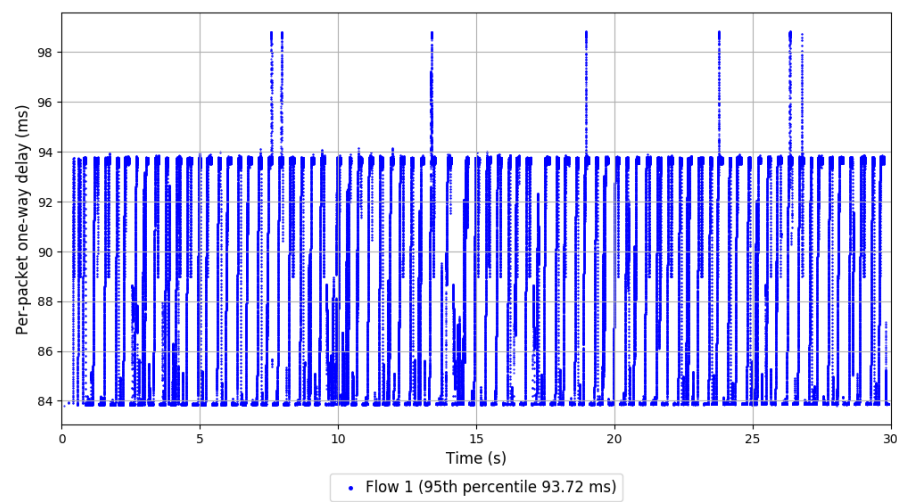
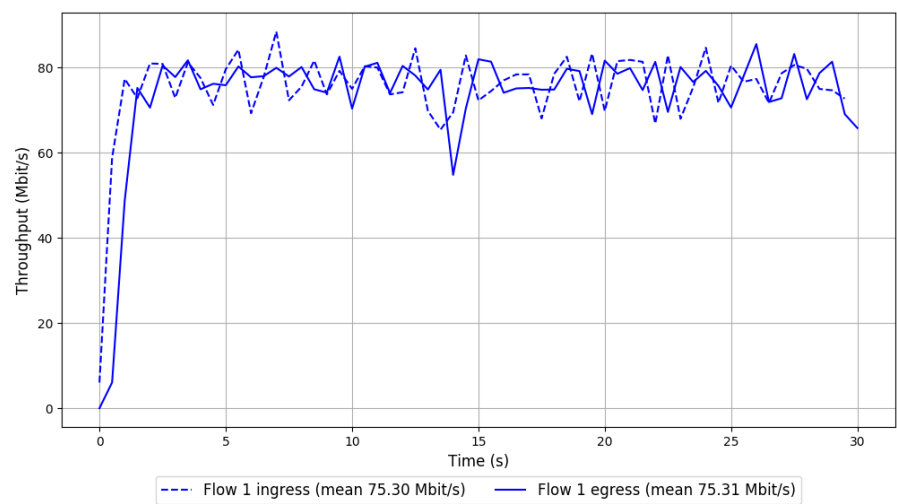
-- Flow 1:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 93.724 ms

Loss rate: 0.53%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 18:46:56

End at: 2018-08-09 18:47:26

Local clock offset: -7.386 ms

Remote clock offset: 8.169 ms

Below is generated by plot.py at 2018-08-09 20:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 90.105 ms

Loss rate: 6.36%

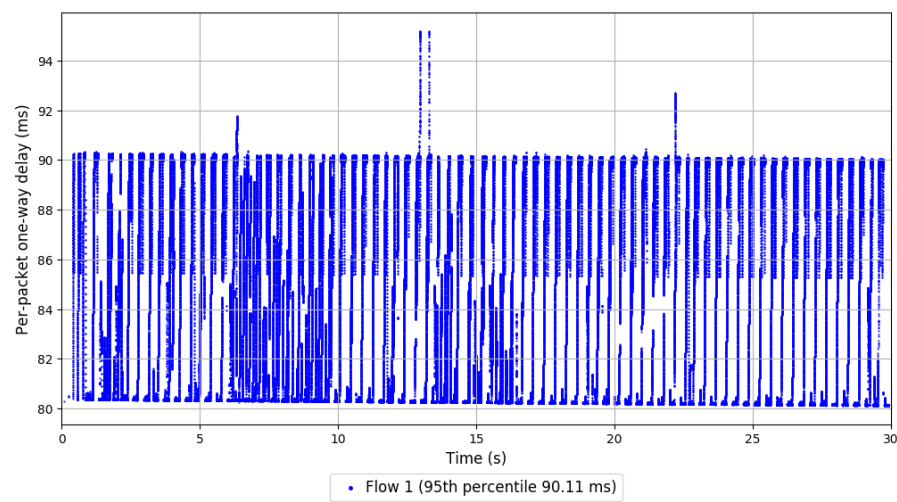
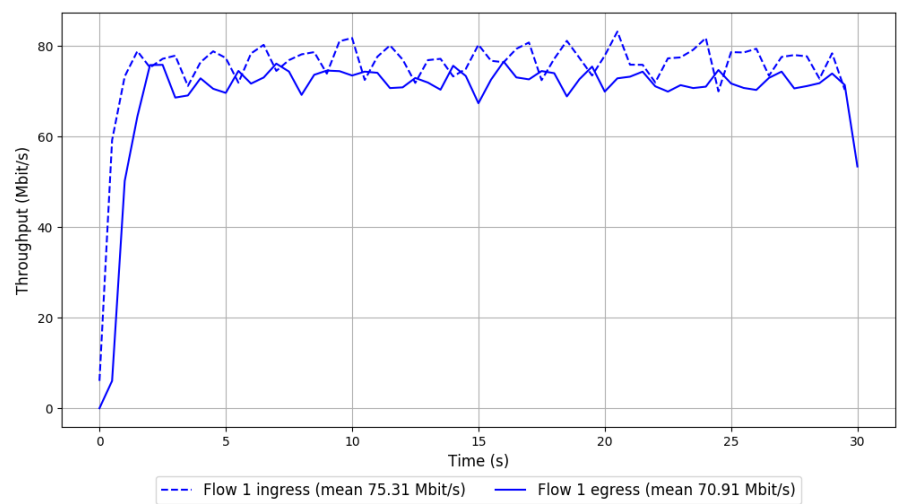
-- Flow 1:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 90.105 ms

Loss rate: 6.36%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 19:06:58

End at: 2018-08-09 19:07:28

Local clock offset: -2.481 ms

Remote clock offset: 8.734 ms

Below is generated by plot.py at 2018-08-09 20:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 89.946 ms

Loss rate: 6.99%

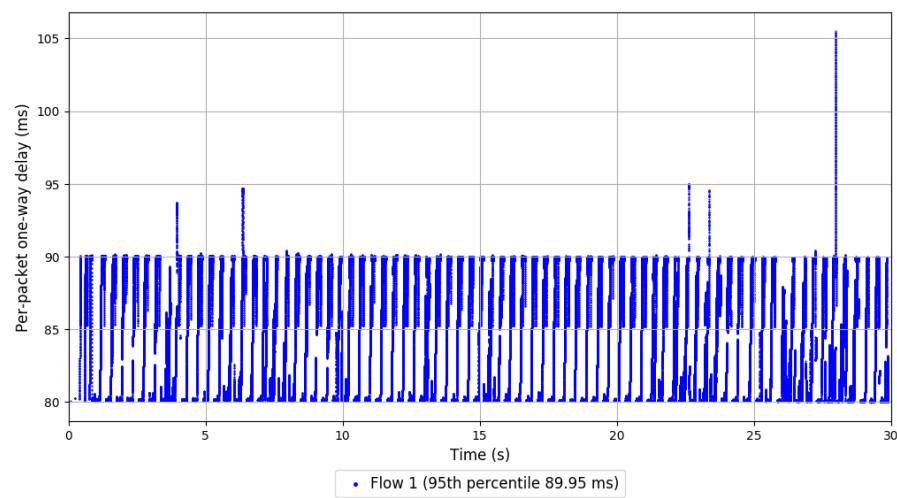
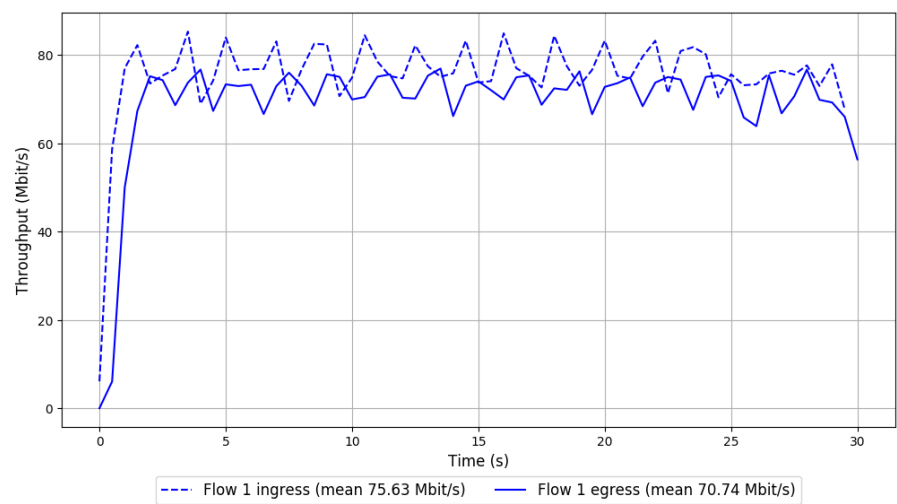
-- Flow 1:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 89.946 ms

Loss rate: 6.99%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 19:26:57

End at: 2018-08-09 19:27:27

Local clock offset: -2.794 ms

Remote clock offset: 3.902 ms

Below is generated by plot.py at 2018-08-09 20:56:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: 93.436 ms

Loss rate: 0.56%

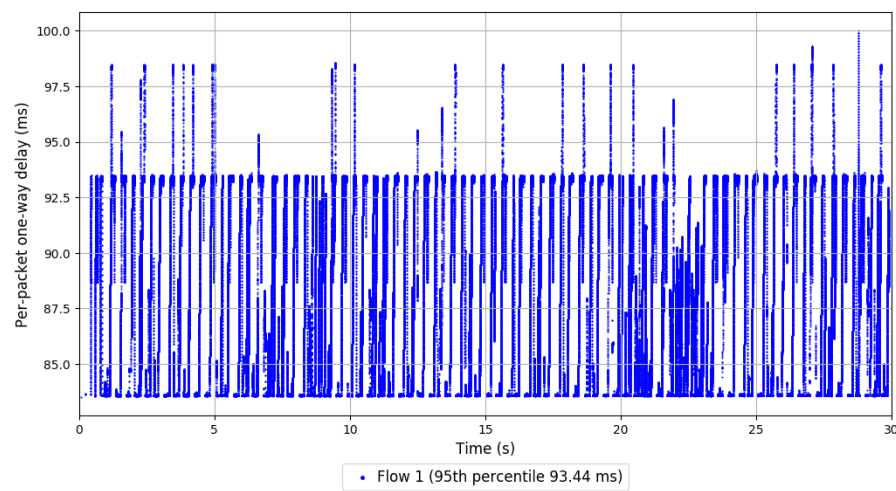
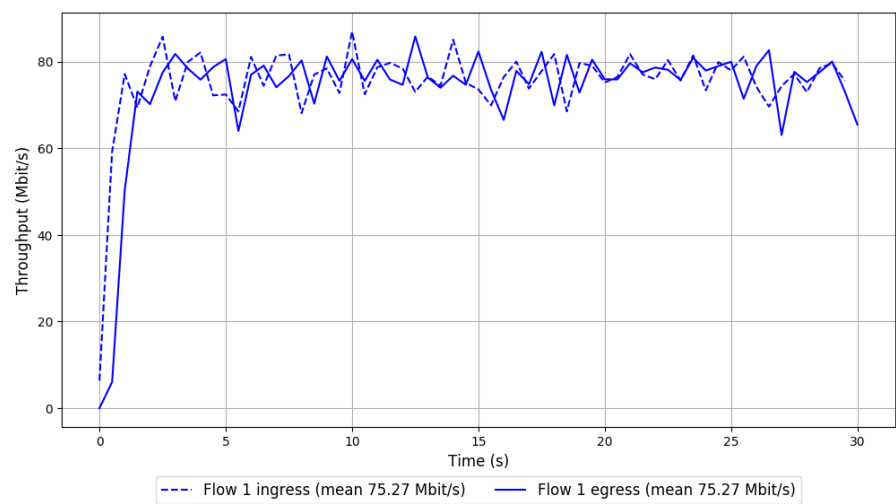
-- Flow 1:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: 93.436 ms

Loss rate: 0.56%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 19:46:47

End at: 2018-08-09 19:47:17

Local clock offset: -2.634 ms

Remote clock offset: 3.212 ms

Below is generated by plot.py at 2018-08-09 20:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 94.282 ms

Loss rate: 0.66%

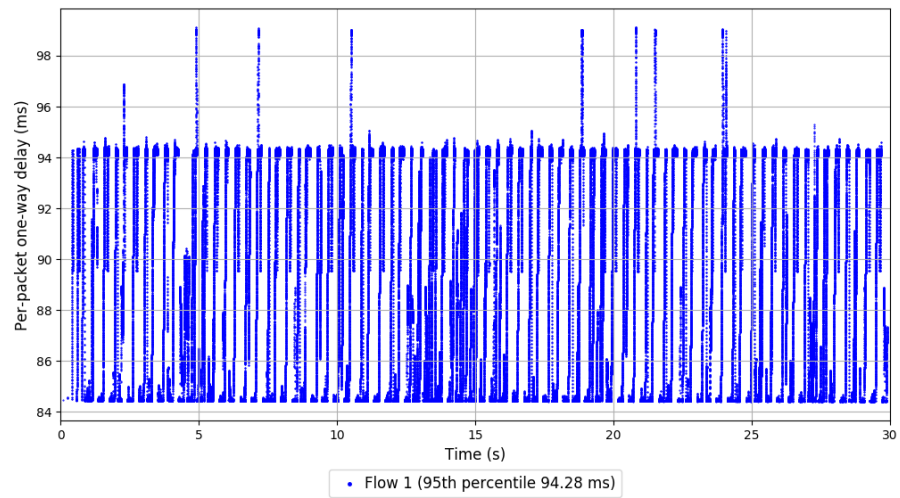
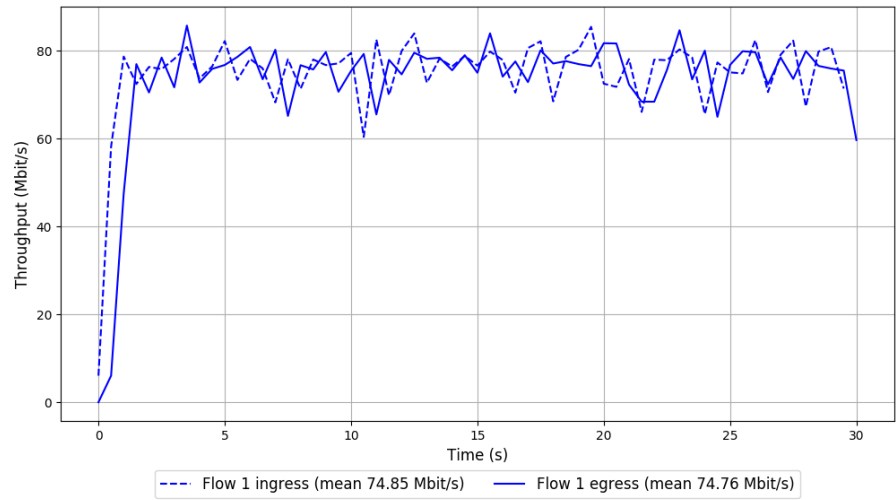
-- Flow 1:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 94.282 ms

Loss rate: 0.66%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 20:06:47

End at: 2018-08-09 20:07:17

Local clock offset: -1.876 ms

Remote clock offset: 6.495 ms

Below is generated by plot.py at 2018-08-09 20:57:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.84 Mbit/s

95th percentile per-packet one-way delay: 90.388 ms

Loss rate: 7.08%

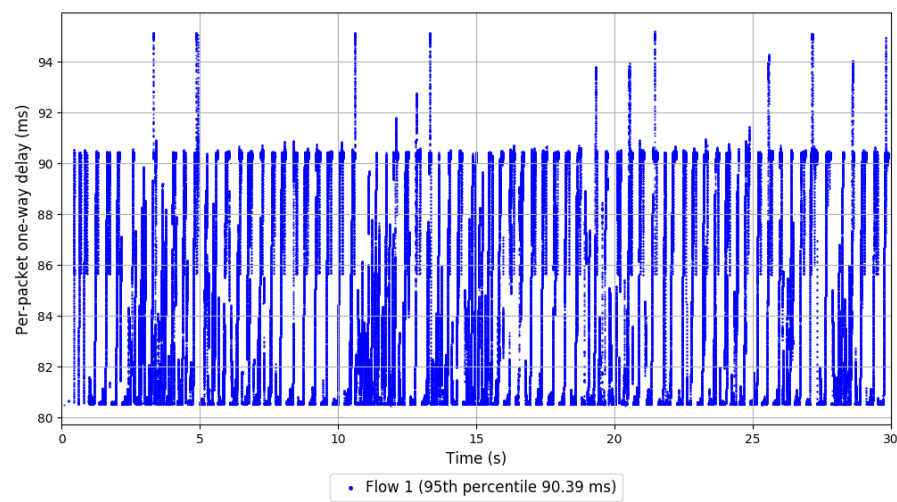
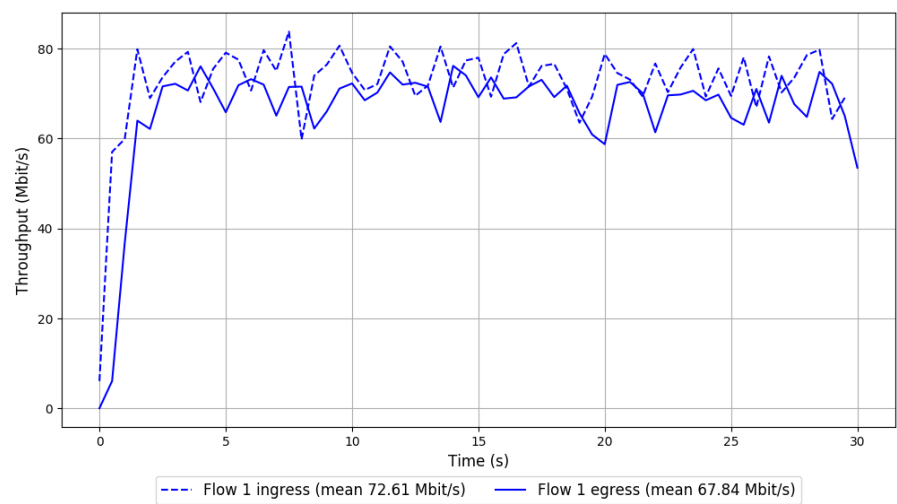
-- Flow 1:

Average throughput: 67.84 Mbit/s

95th percentile per-packet one-way delay: 90.388 ms

Loss rate: 7.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 20:26:39

End at: 2018-08-09 20:27:09

Local clock offset: -3.106 ms

Remote clock offset: 2.347 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.09 Mbit/s

95th percentile per-packet one-way delay: 93.532 ms

Loss rate: 7.14%

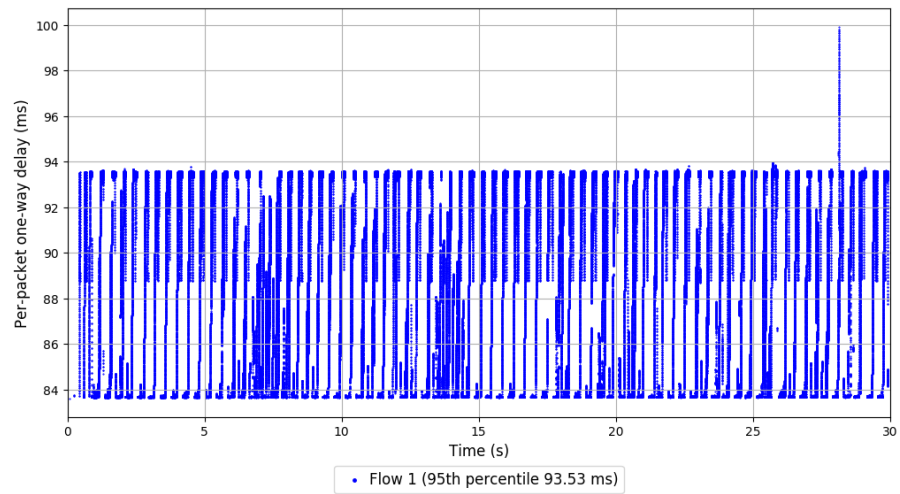
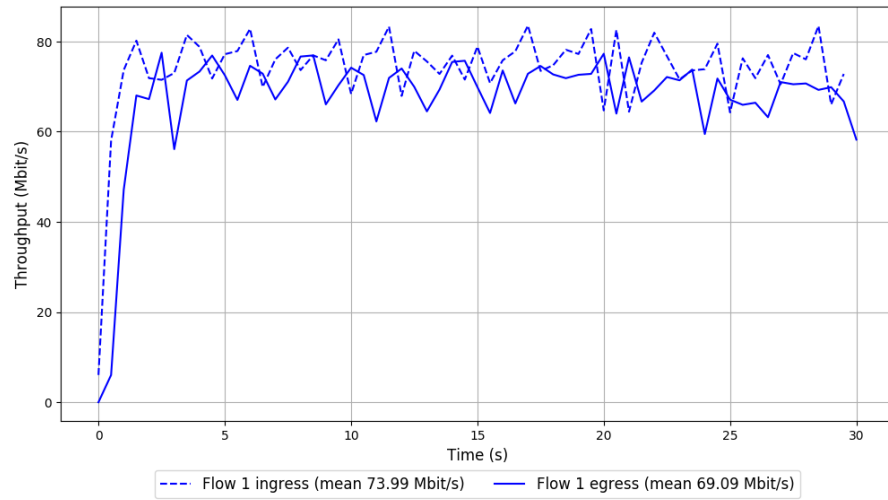
-- Flow 1:

Average throughput: 69.09 Mbit/s

95th percentile per-packet one-way delay: 93.532 ms

Loss rate: 7.14%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 17:34:40

End at: 2018-08-09 17:35:10

Local clock offset: -8.013 ms

Remote clock offset: 3.892 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 84.545 ms

Loss rate: 1.06%

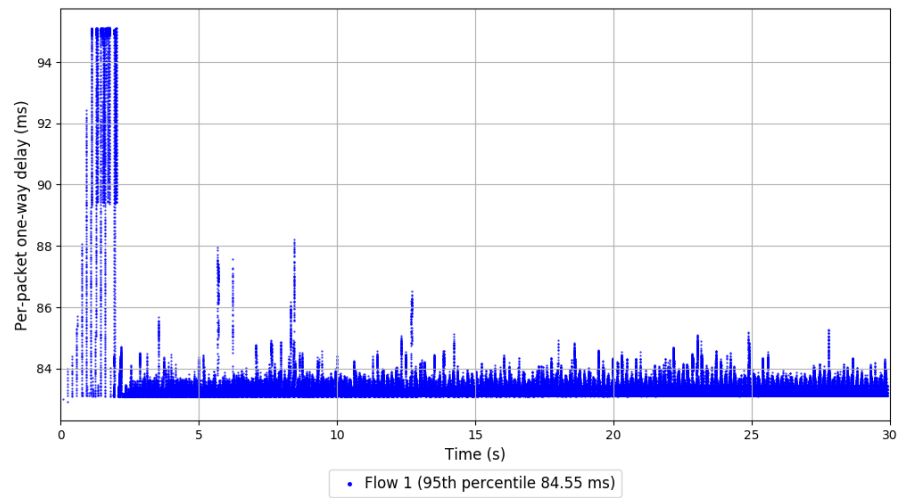
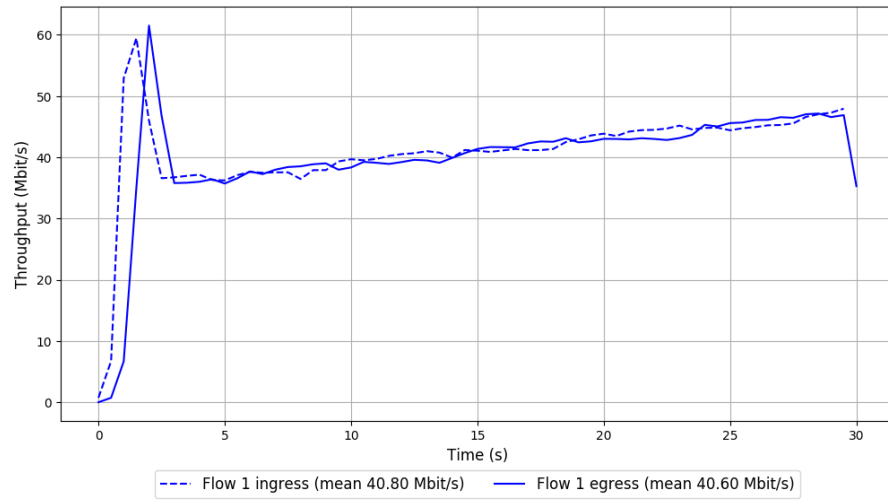
-- Flow 1:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 84.545 ms

Loss rate: 1.06%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 17:54:29

End at: 2018-08-09 17:54:59

Local clock offset: -8.046 ms

Remote clock offset: 4.672 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.79 Mbit/s

95th percentile per-packet one-way delay: 83.918 ms

Loss rate: 0.64%

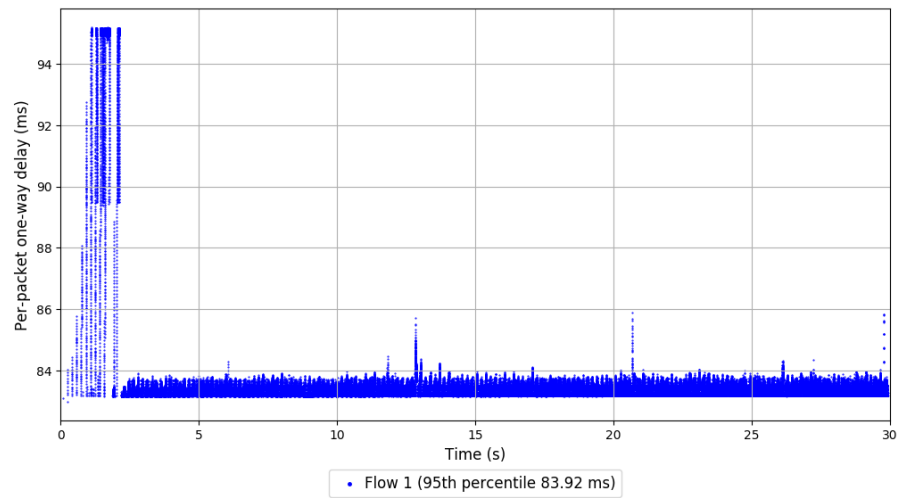
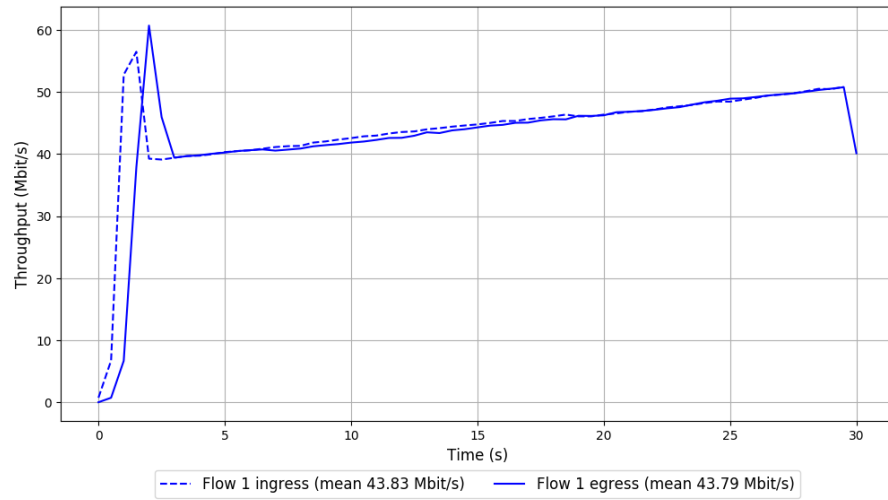
-- Flow 1:

Average throughput: 43.79 Mbit/s

95th percentile per-packet one-way delay: 83.918 ms

Loss rate: 0.64%

Run 2: Report of TCP Vegas — Data Link

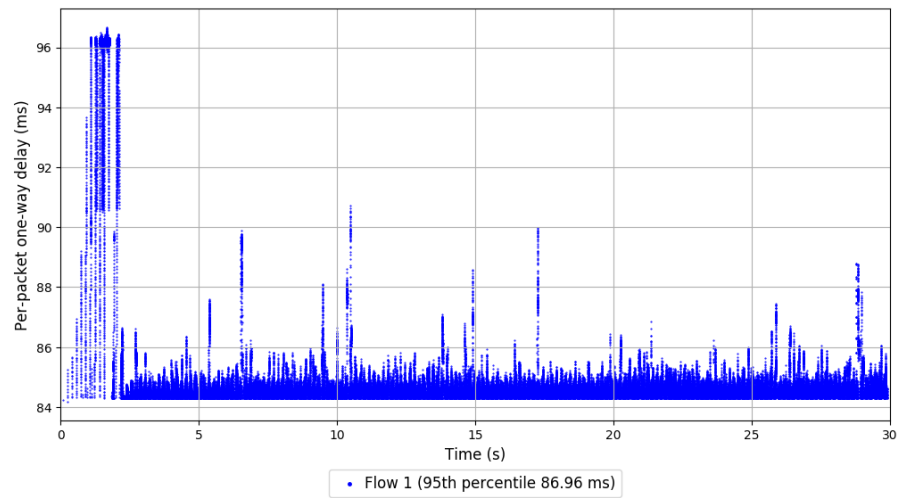
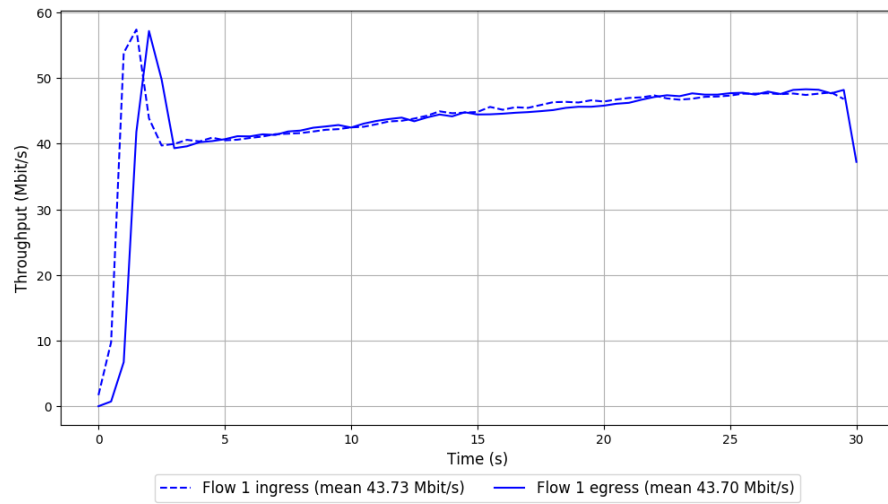


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 18:14:18
End at: 2018-08-09 18:14:48
Local clock offset: -8.093 ms
Remote clock offset: 4.48 ms

Below is generated by plot.py at 2018-08-09 20:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 86.963 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 86.963 ms
Loss rate: 0.60%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 18:34:10

End at: 2018-08-09 18:34:40

Local clock offset: -7.998 ms

Remote clock offset: 8.175 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.94 Mbit/s

95th percentile per-packet one-way delay: 82.299 ms

Loss rate: 0.57%

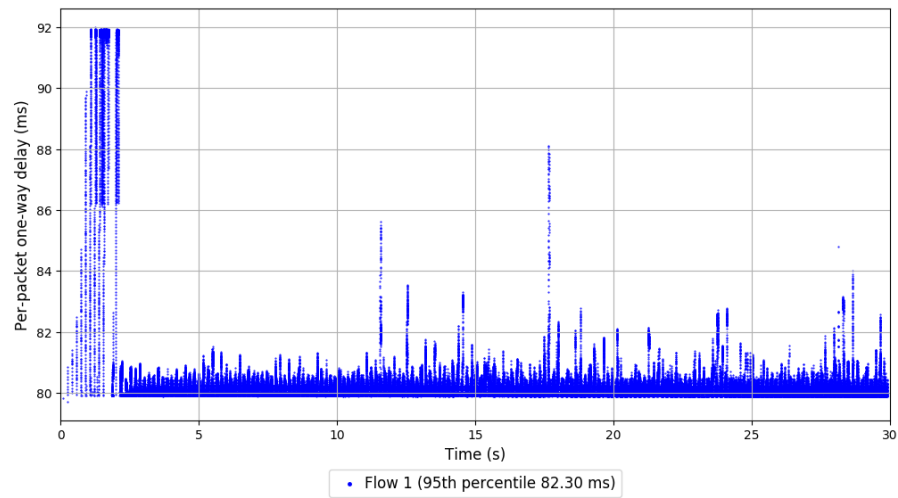
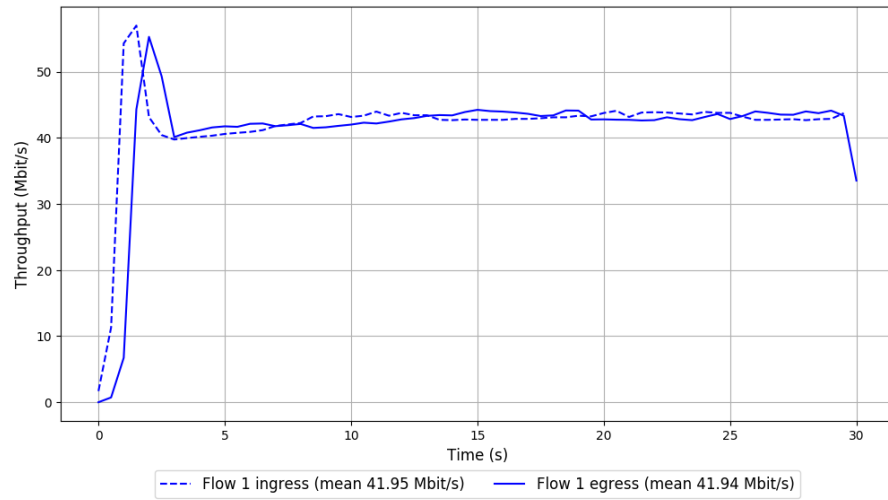
-- Flow 1:

Average throughput: 41.94 Mbit/s

95th percentile per-packet one-way delay: 82.299 ms

Loss rate: 0.57%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 18:54:01

End at: 2018-08-09 18:54:31

Local clock offset: -4.714 ms

Remote clock offset: 4.907 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.52 Mbit/s

95th percentile per-packet one-way delay: 87.009 ms

Loss rate: 0.64%

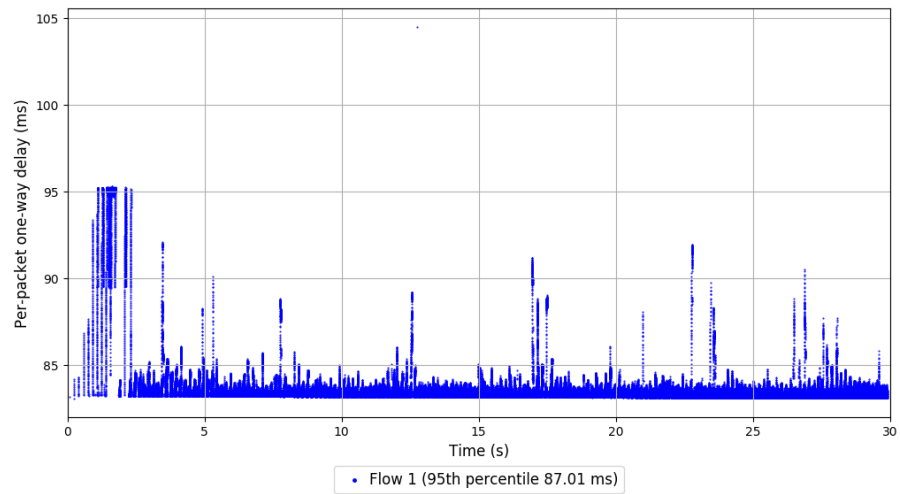
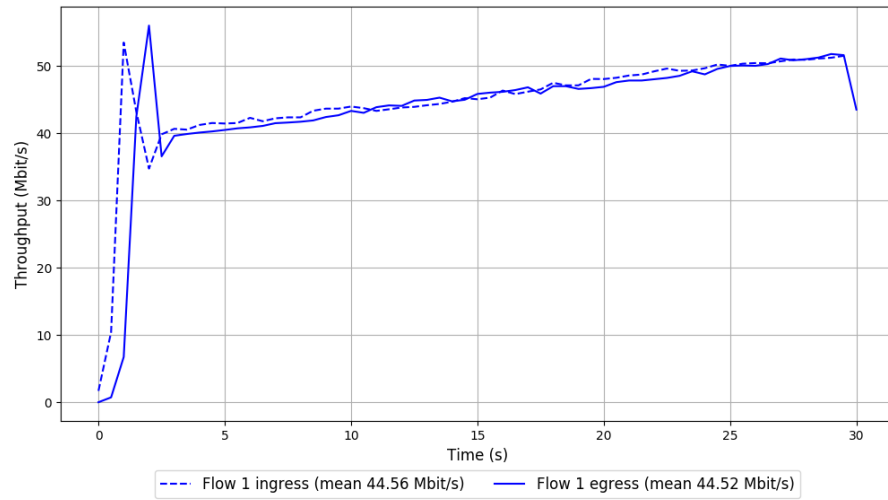
-- Flow 1:

Average throughput: 44.52 Mbit/s

95th percentile per-packet one-way delay: 87.009 ms

Loss rate: 0.64%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 19:14:12

End at: 2018-08-09 19:14:42

Local clock offset: -1.803 ms

Remote clock offset: 4.357 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 87.408 ms

Loss rate: 0.57%

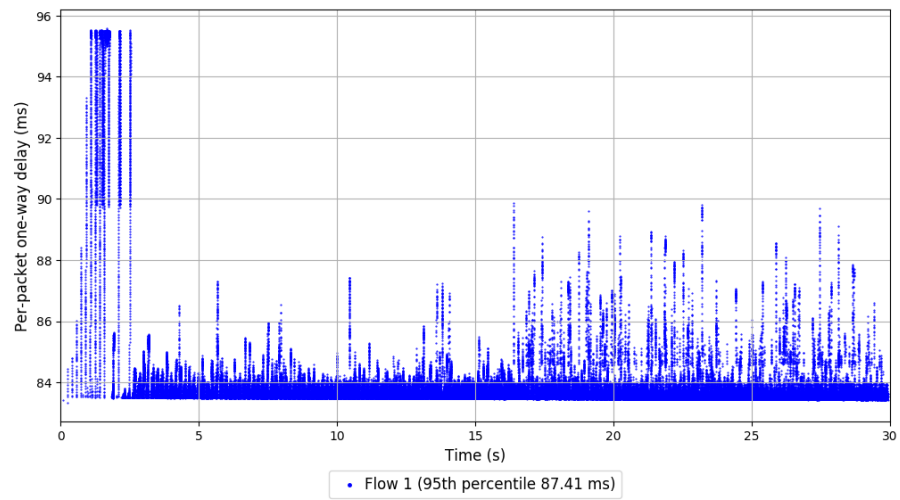
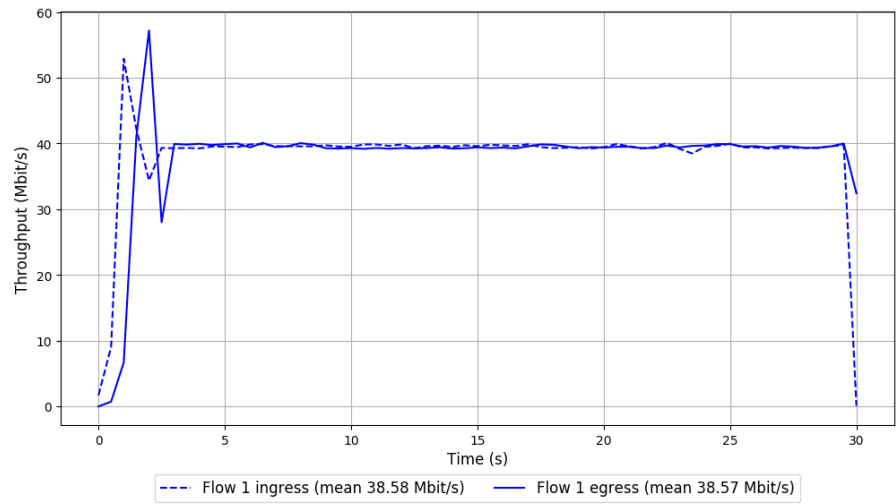
-- Flow 1:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 87.408 ms

Loss rate: 0.57%

Run 6: Report of TCP Vegas — Data Link

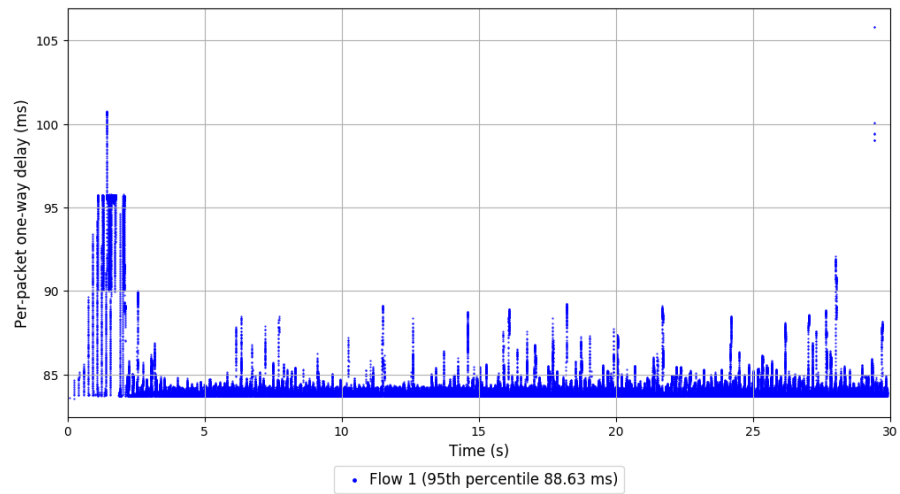
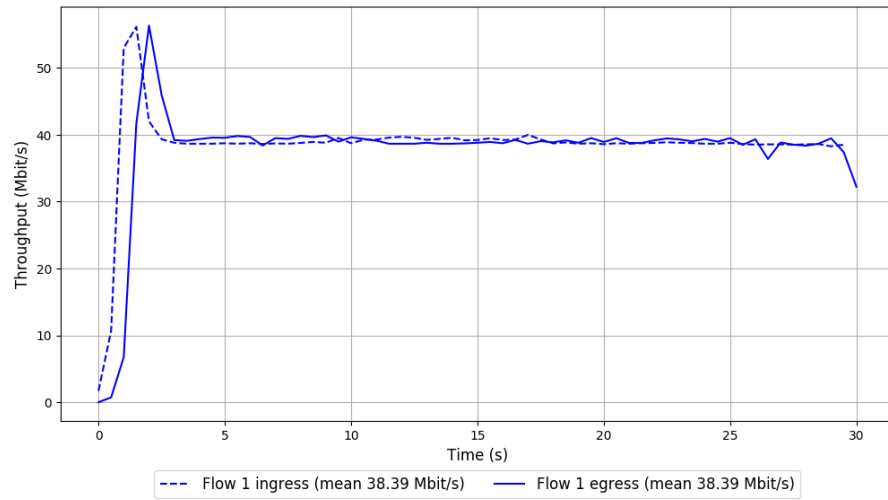


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 19:34:01
End at: 2018-08-09 19:34:31
Local clock offset: -2.963 ms
Remote clock offset: 3.449 ms

Below is generated by plot.py at 2018-08-09 20:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 88.628 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 88.628 ms
Loss rate: 0.56%

Run 7: Report of TCP Vegas — Data Link

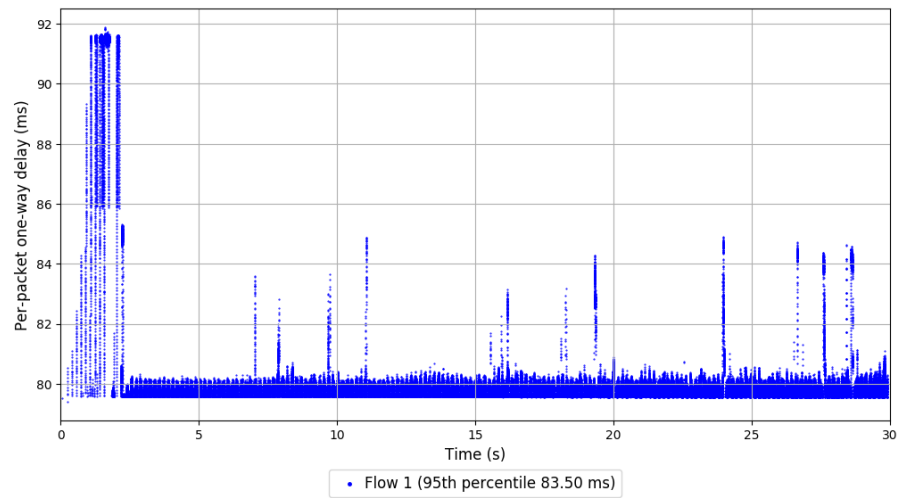
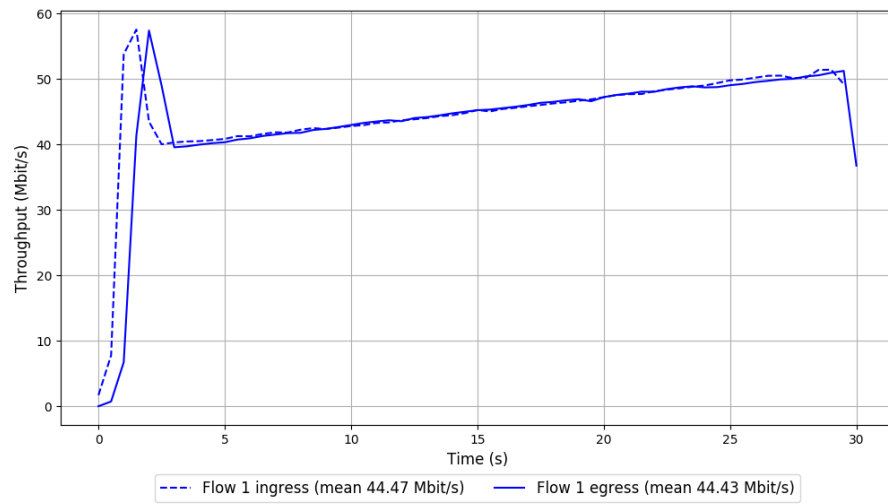


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 19:53:51
End at: 2018-08-09 19:54:21
Local clock offset: -2.326 ms
Remote clock offset: 6.742 ms

Below is generated by plot.py at 2018-08-09 20:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 83.505 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 83.505 ms
Loss rate: 0.64%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 20:13:51

End at: 2018-08-09 20:14:21

Local clock offset: -1.587 ms

Remote clock offset: 6.529 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.44 Mbit/s

95th percentile per-packet one-way delay: 83.009 ms

Loss rate: 0.64%

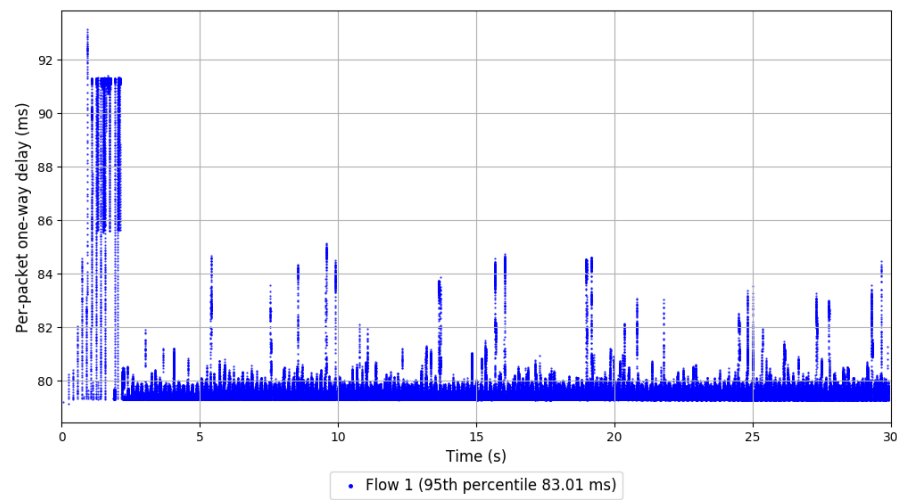
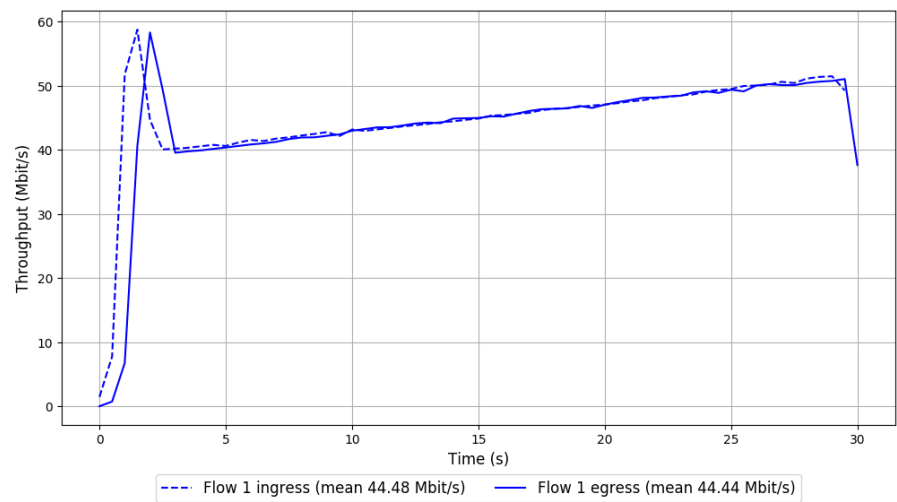
-- Flow 1:

Average throughput: 44.44 Mbit/s

95th percentile per-packet one-way delay: 83.009 ms

Loss rate: 0.64%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 20:33:46

End at: 2018-08-09 20:34:16

Local clock offset: -3.457 ms

Remote clock offset: 5.948 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.84 Mbit/s

95th percentile per-packet one-way delay: 81.050 ms

Loss rate: 0.64%

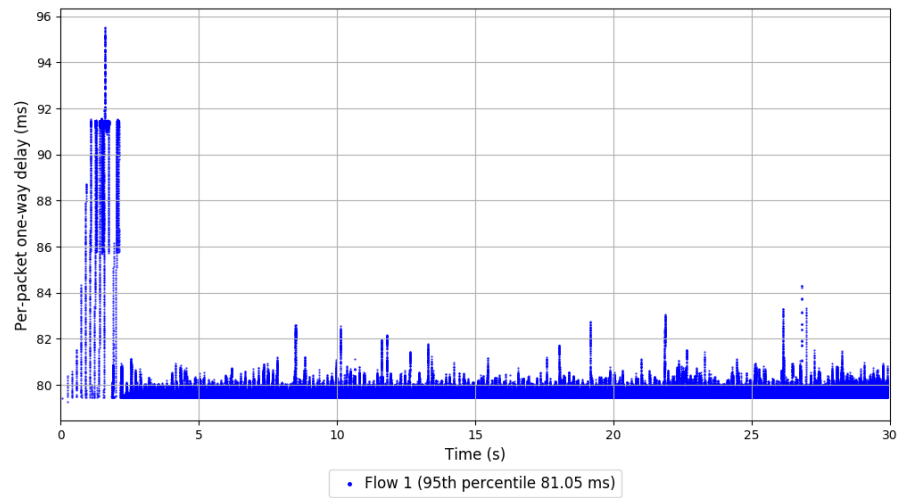
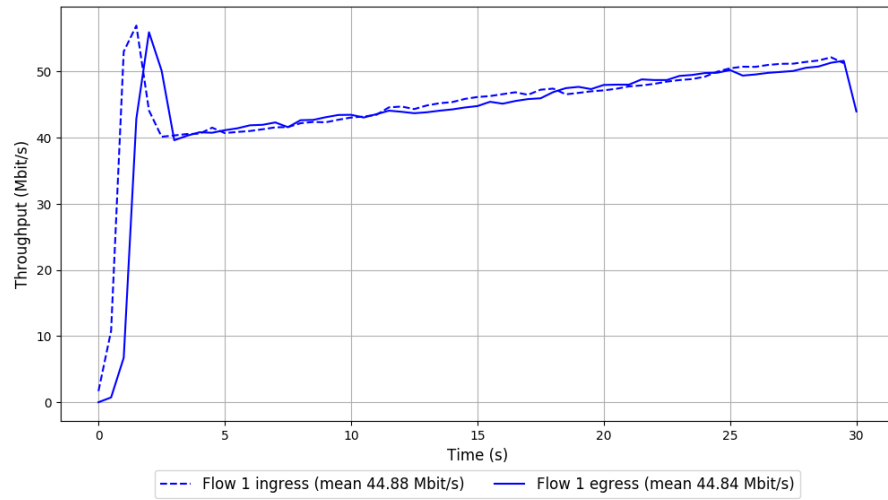
-- Flow 1:

Average throughput: 44.84 Mbit/s

95th percentile per-packet one-way delay: 81.050 ms

Loss rate: 0.64%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-09 17:36:57

End at: 2018-08-09 17:37:27

Local clock offset: -8.029 ms

Remote clock offset: 7.328 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.59 Mbit/s

95th percentile per-packet one-way delay: 91.485 ms

Loss rate: 10.01%

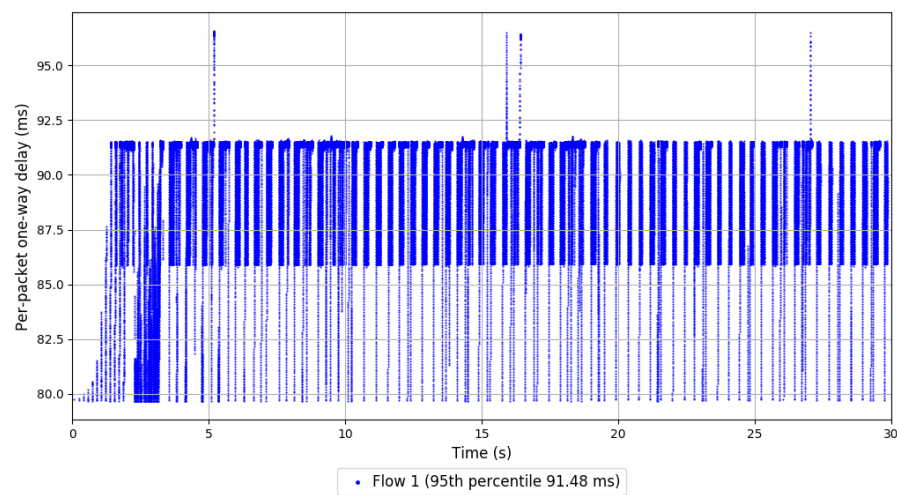
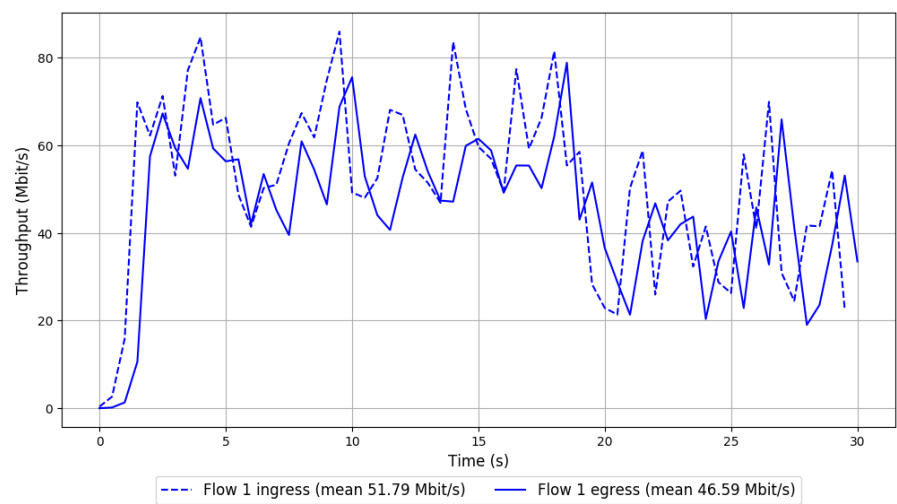
-- Flow 1:

Average throughput: 46.59 Mbit/s

95th percentile per-packet one-way delay: 91.485 ms

Loss rate: 10.01%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-09 17:56:46

End at: 2018-08-09 17:57:16

Local clock offset: -8.037 ms

Remote clock offset: 4.417 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.69 Mbit/s

95th percentile per-packet one-way delay: 95.433 ms

Loss rate: 0.21%

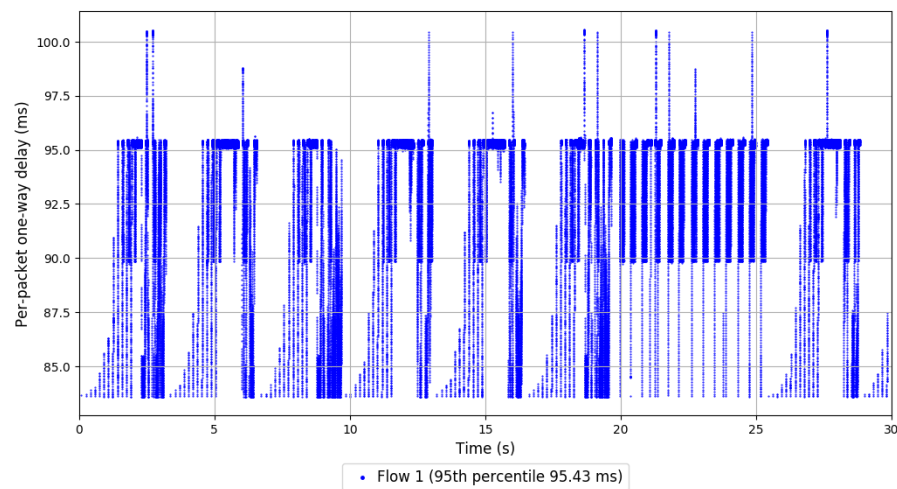
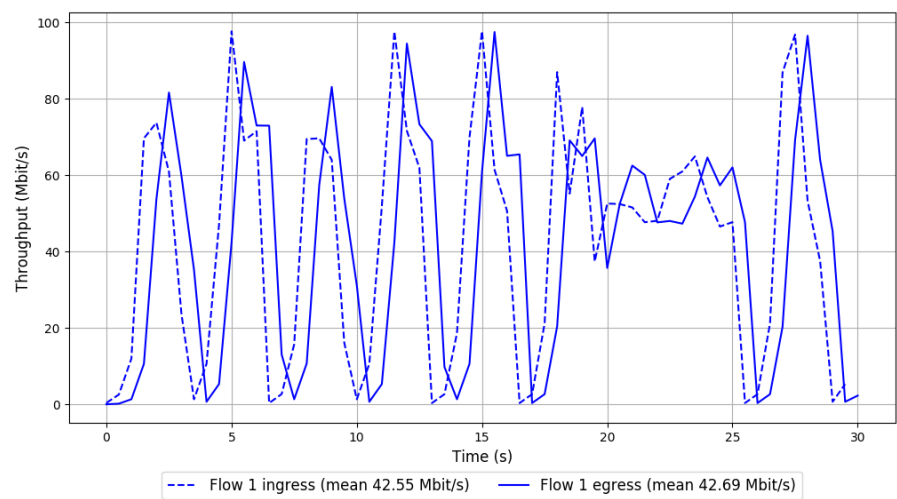
-- Flow 1:

Average throughput: 42.69 Mbit/s

95th percentile per-packet one-way delay: 95.433 ms

Loss rate: 0.21%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-09 18:16:35

End at: 2018-08-09 18:17:05

Local clock offset: -8.077 ms

Remote clock offset: 4.857 ms

Below is generated by plot.py at 2018-08-09 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 95.010 ms

Loss rate: 0.19%

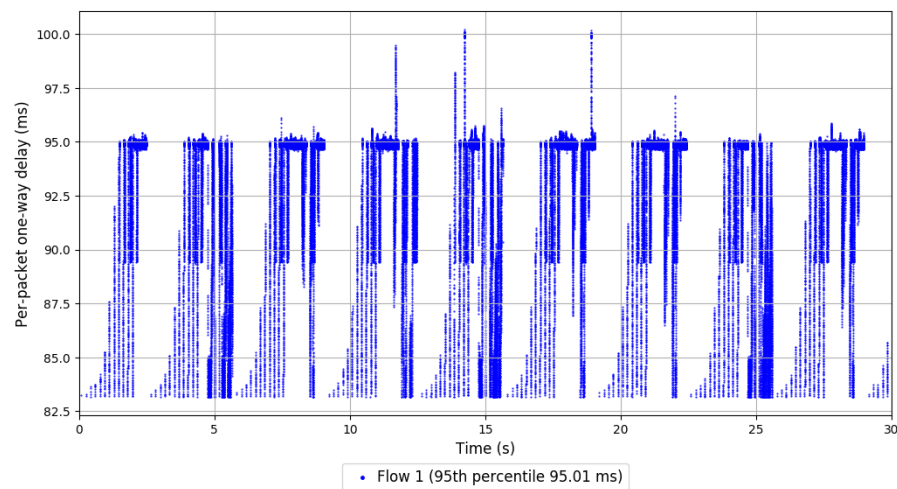
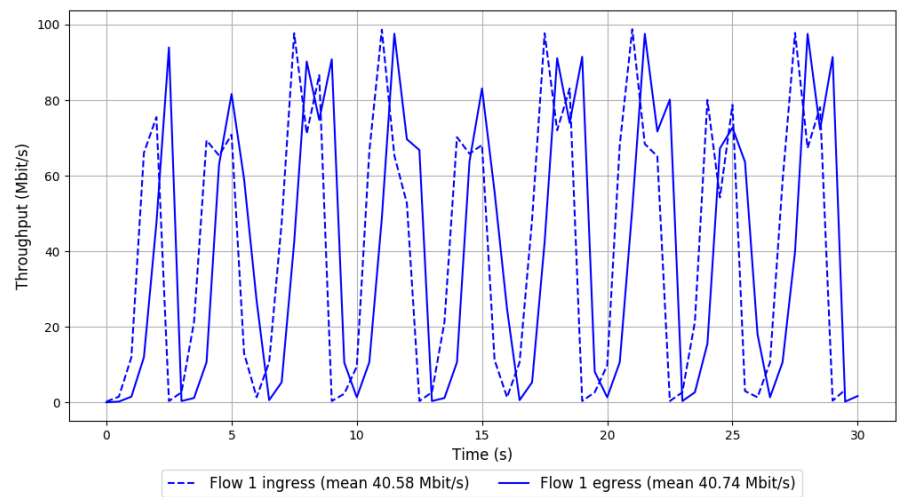
-- Flow 1:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 95.010 ms

Loss rate: 0.19%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-09 18:36:27

End at: 2018-08-09 18:36:57

Local clock offset: -7.998 ms

Remote clock offset: 4.682 ms

Below is generated by plot.py at 2018-08-09 20:57:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 95.444 ms

Loss rate: 1.22%

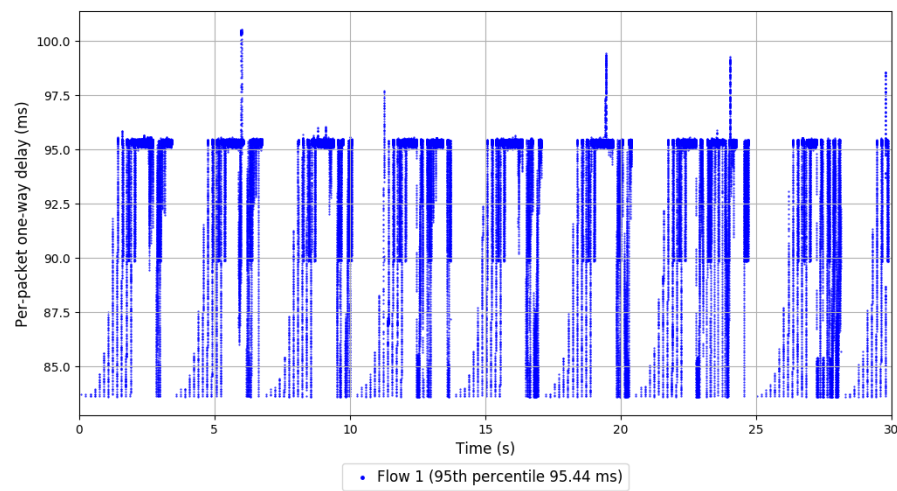
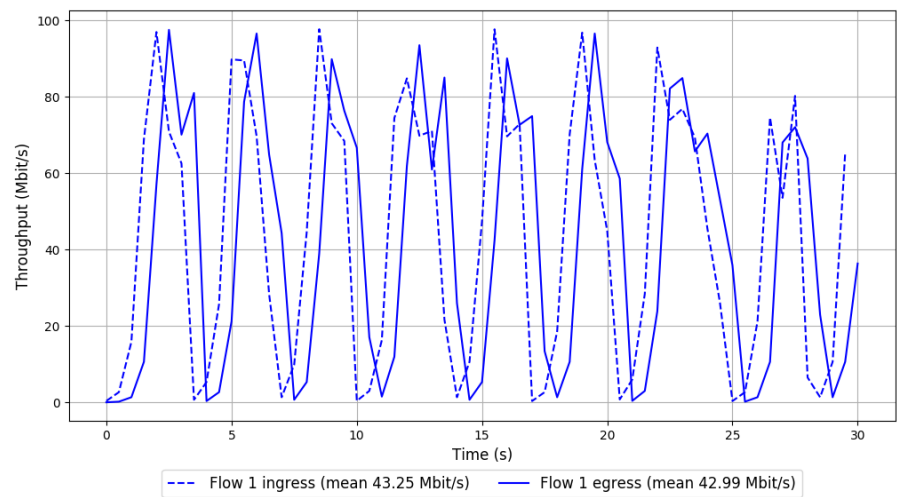
-- Flow 1:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 95.444 ms

Loss rate: 1.22%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-09 18:56:18

End at: 2018-08-09 18:56:48

Local clock offset: -4.085 ms

Remote clock offset: 8.551 ms

Below is generated by plot.py at 2018-08-09 20:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.17 Mbit/s

95th percentile per-packet one-way delay: 91.427 ms

Loss rate: 1.36%

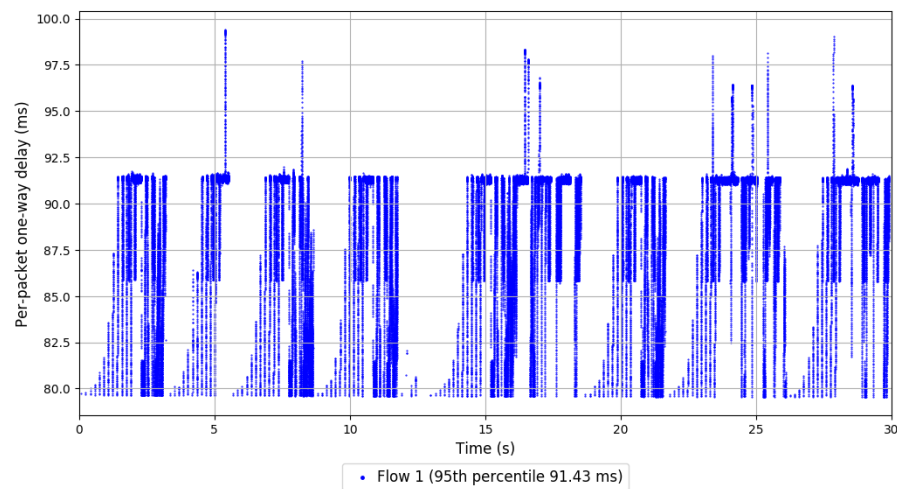
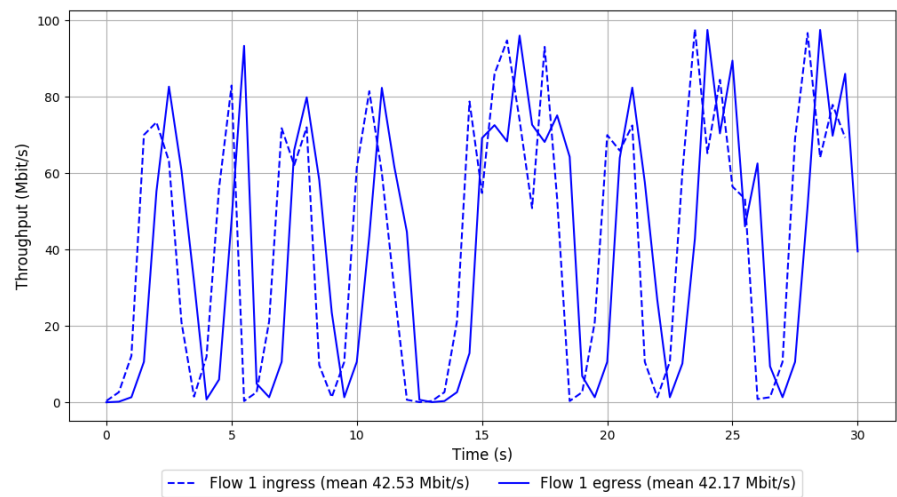
-- Flow 1:

Average throughput: 42.17 Mbit/s

95th percentile per-packet one-way delay: 91.427 ms

Loss rate: 1.36%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-09 19:16:29

End at: 2018-08-09 19:16:59

Local clock offset: -1.813 ms

Remote clock offset: 7.833 ms

Below is generated by plot.py at 2018-08-09 20:58:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 96.461 ms

Loss rate: 0.62%

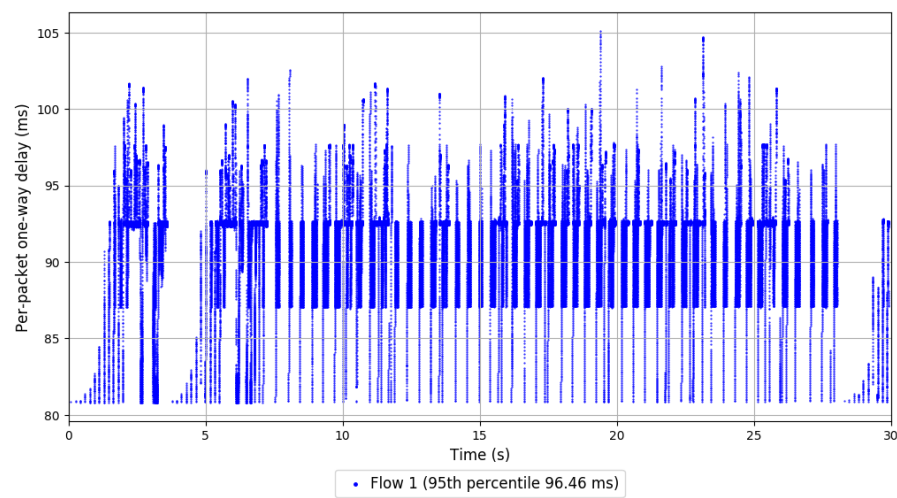
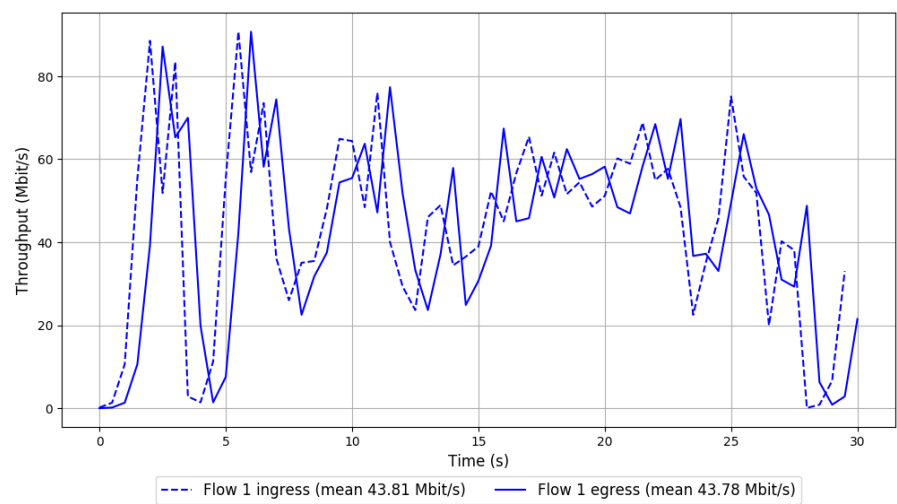
-- Flow 1:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 96.461 ms

Loss rate: 0.62%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-09 19:36:18

End at: 2018-08-09 19:36:48

Local clock offset: -2.892 ms

Remote clock offset: 7.24 ms

Below is generated by plot.py at 2018-08-09 20:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 92.308 ms

Loss rate: 0.13%

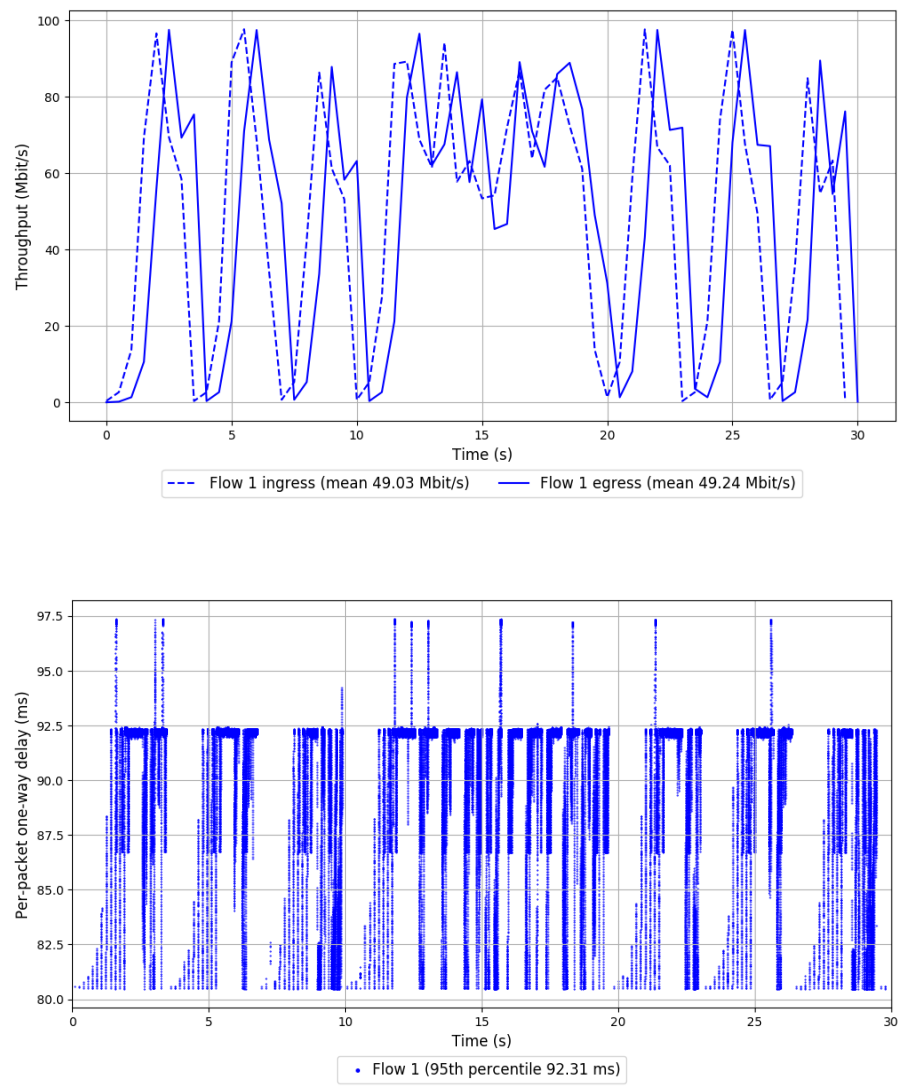
-- Flow 1:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 92.308 ms

Loss rate: 0.13%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-09 19:56:08

End at: 2018-08-09 19:56:38

Local clock offset: -2.242 ms

Remote clock offset: 3.255 ms

Below is generated by plot.py at 2018-08-09 20:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 94.972 ms

Loss rate: 1.40%

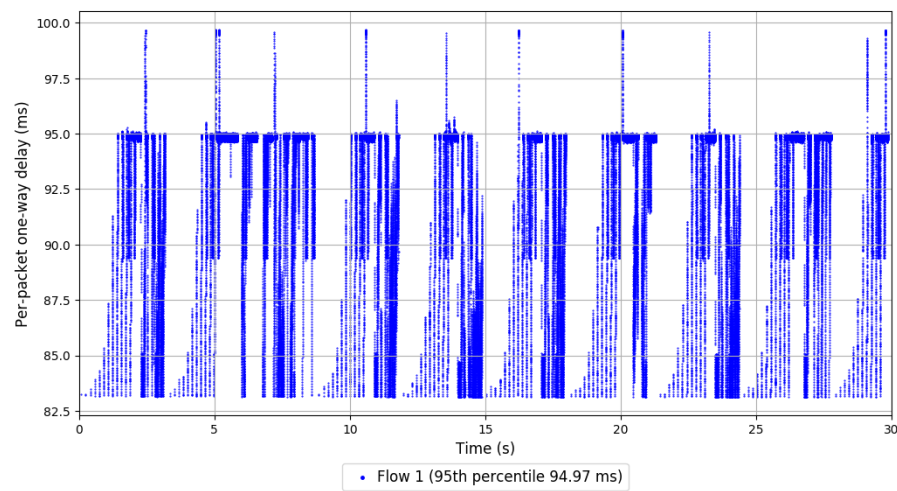
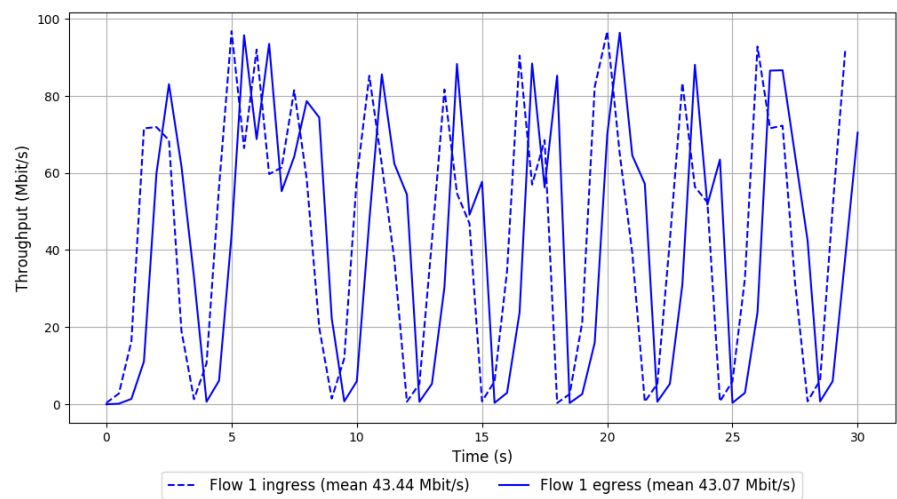
-- Flow 1:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 94.972 ms

Loss rate: 1.40%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-09 20:16:08

End at: 2018-08-09 20:16:38

Local clock offset: -1.611 ms

Remote clock offset: 5.815 ms

Below is generated by plot.py at 2018-08-09 20:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.51 Mbit/s

95th percentile per-packet one-way delay: 93.050 ms

Loss rate: 10.42%

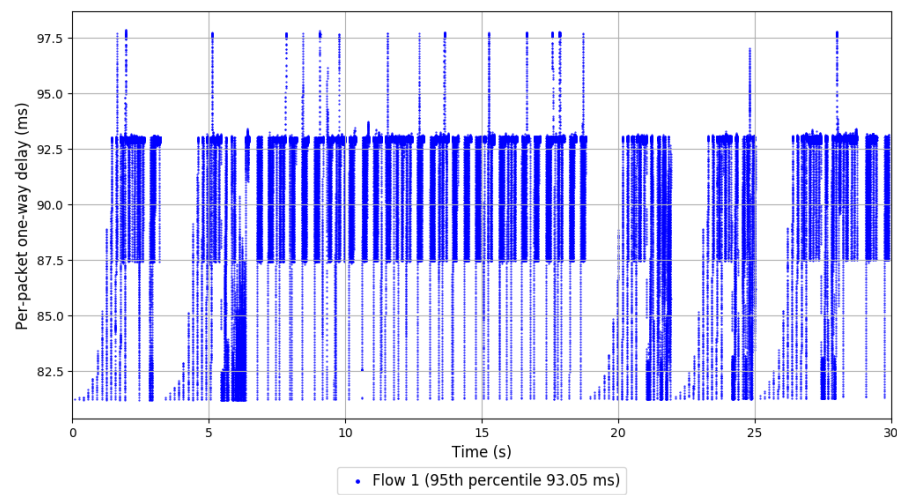
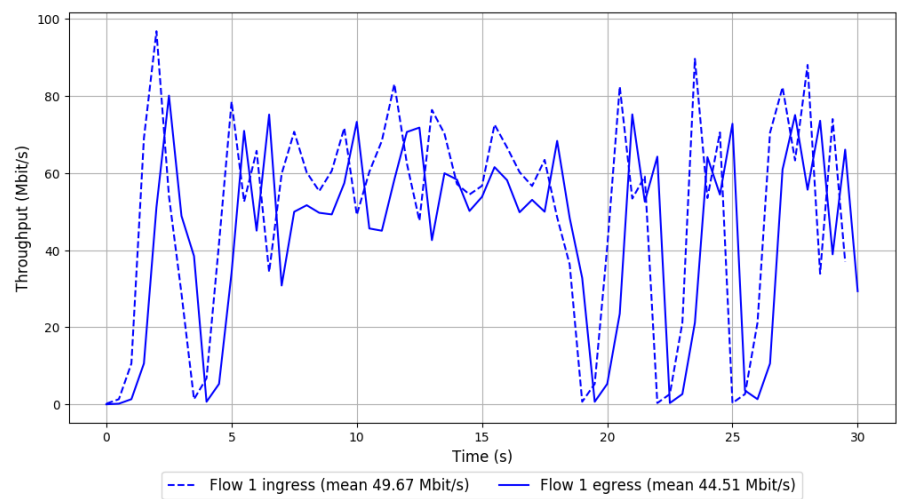
-- Flow 1:

Average throughput: 44.51 Mbit/s

95th percentile per-packet one-way delay: 93.050 ms

Loss rate: 10.42%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-09 20:36:03

End at: 2018-08-09 20:36:33

Local clock offset: -3.586 ms

Remote clock offset: 2.076 ms

Below is generated by plot.py at 2018-08-09 20:58:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.79 Mbit/s

95th percentile per-packet one-way delay: 95.378 ms

Loss rate: 1.07%

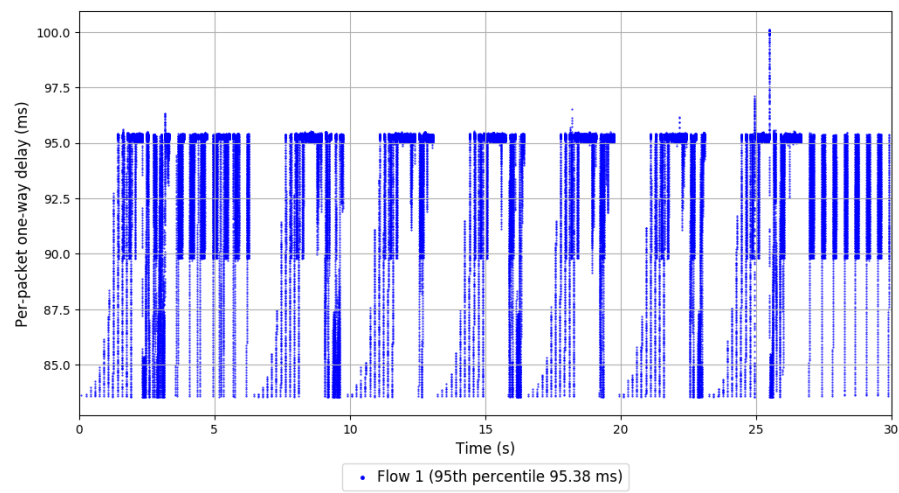
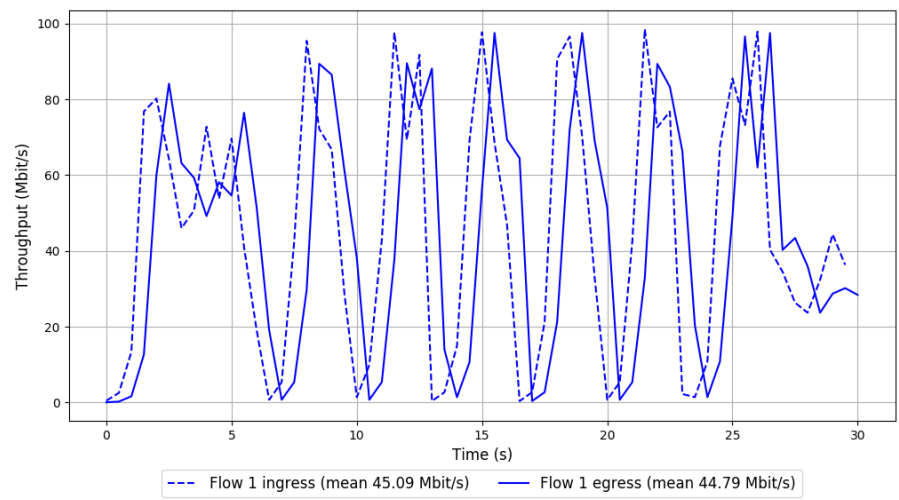
-- Flow 1:

Average throughput: 44.79 Mbit/s

95th percentile per-packet one-way delay: 95.378 ms

Loss rate: 1.07%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 17:20:36

End at: 2018-08-09 17:21:06

Local clock offset: -8.217 ms

Remote clock offset: 3.246 ms

Below is generated by plot.py at 2018-08-09 20:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.27 Mbit/s

95th percentile per-packet one-way delay: 84.313 ms

Loss rate: 1.89%

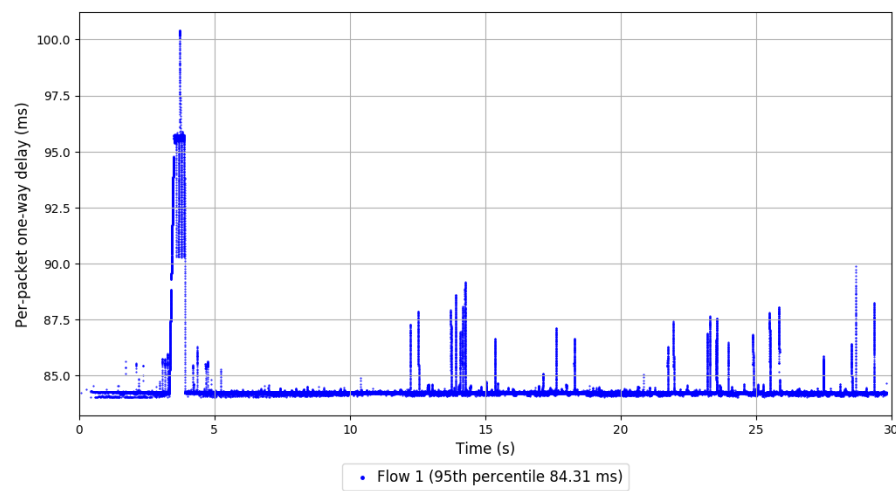
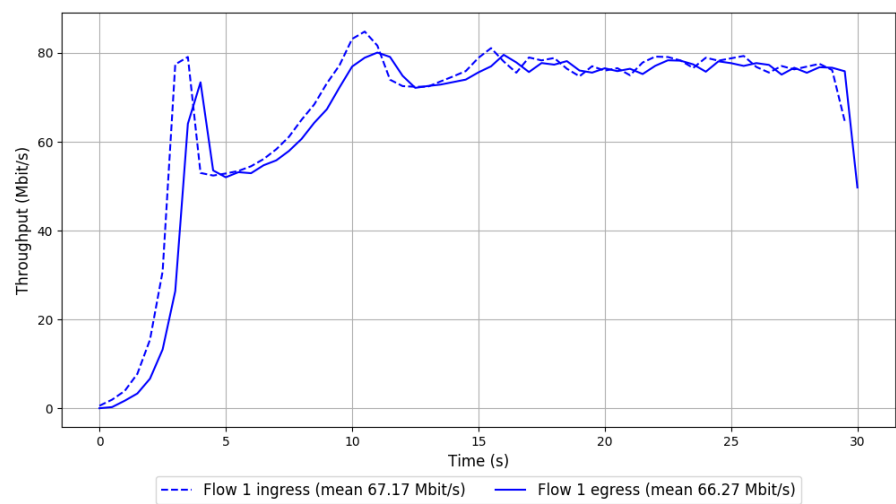
-- Flow 1:

Average throughput: 66.27 Mbit/s

95th percentile per-packet one-way delay: 84.313 ms

Loss rate: 1.89%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 17:40:25

End at: 2018-08-09 17:40:55

Local clock offset: -8.085 ms

Remote clock offset: 7.54 ms

Below is generated by plot.py at 2018-08-09 20:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 88.887 ms

Loss rate: 0.65%

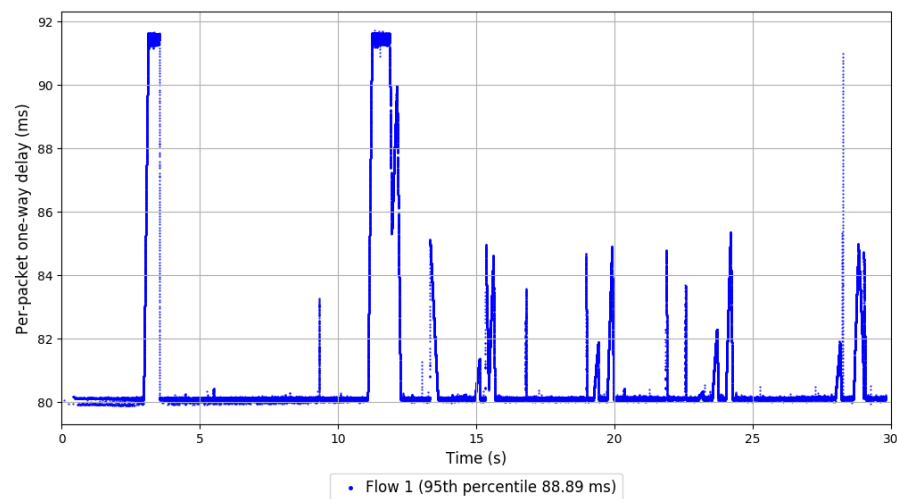
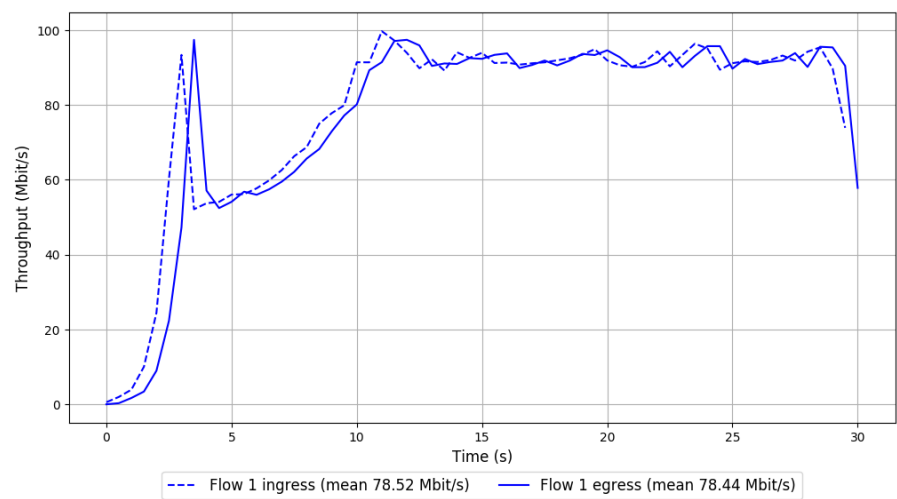
-- Flow 1:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 88.887 ms

Loss rate: 0.65%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 18:00:14

End at: 2018-08-09 18:00:44

Local clock offset: -7.945 ms

Remote clock offset: 8.116 ms

Below is generated by plot.py at 2018-08-09 20:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 91.592 ms

Loss rate: 0.81%

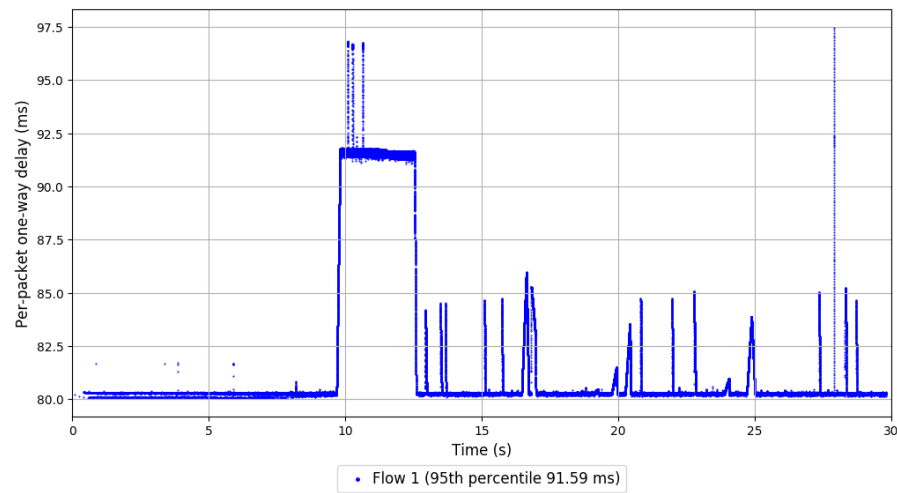
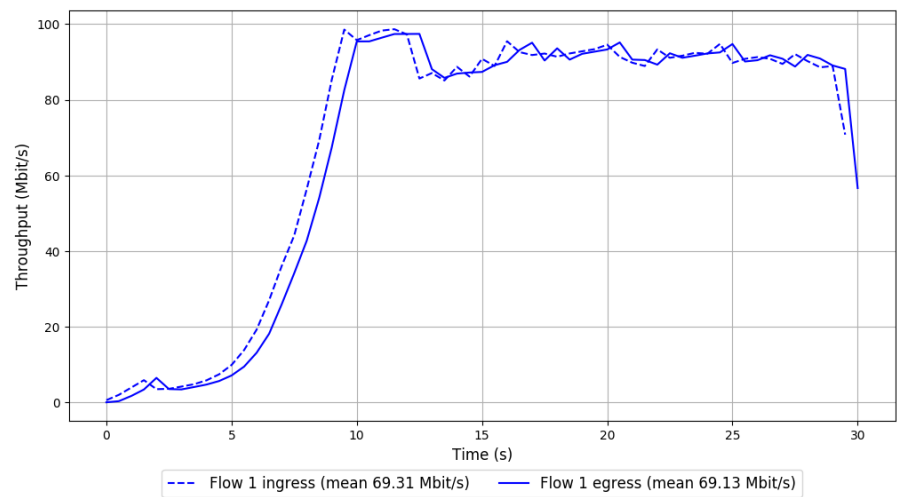
-- Flow 1:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 91.592 ms

Loss rate: 0.81%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 18:20:04

End at: 2018-08-09 18:20:34

Local clock offset: -8.026 ms

Remote clock offset: 4.342 ms

Below is generated by plot.py at 2018-08-09 20:59:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 95.877 ms

Loss rate: 0.76%

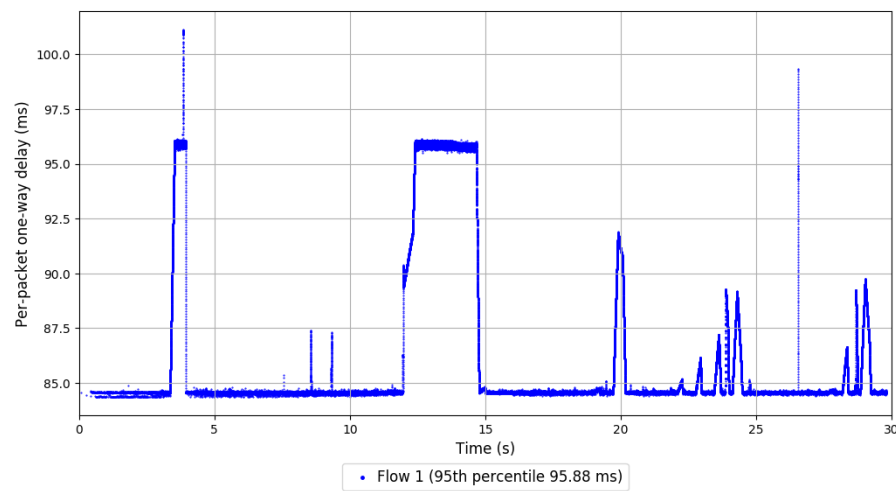
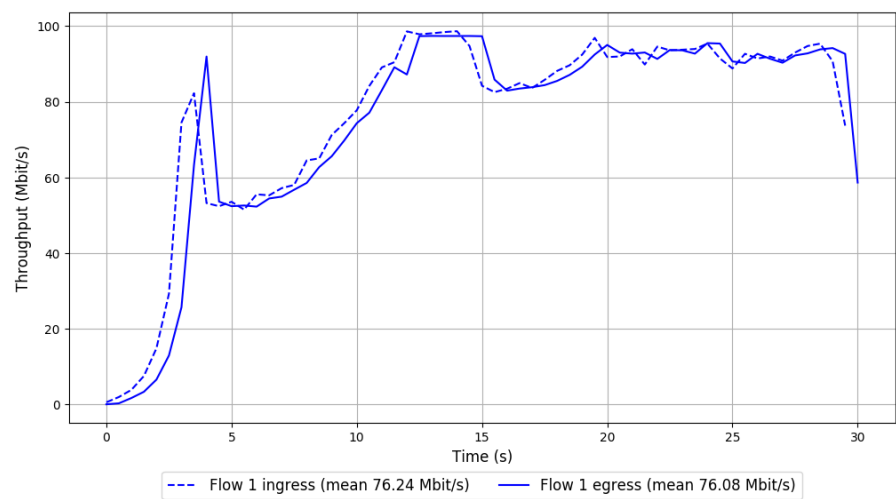
-- Flow 1:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 95.877 ms

Loss rate: 0.76%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 18:39:55

End at: 2018-08-09 18:40:25

Local clock offset: -8.026 ms

Remote clock offset: 4.523 ms

Below is generated by plot.py at 2018-08-09 20:59:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 95.614 ms

Loss rate: 0.70%

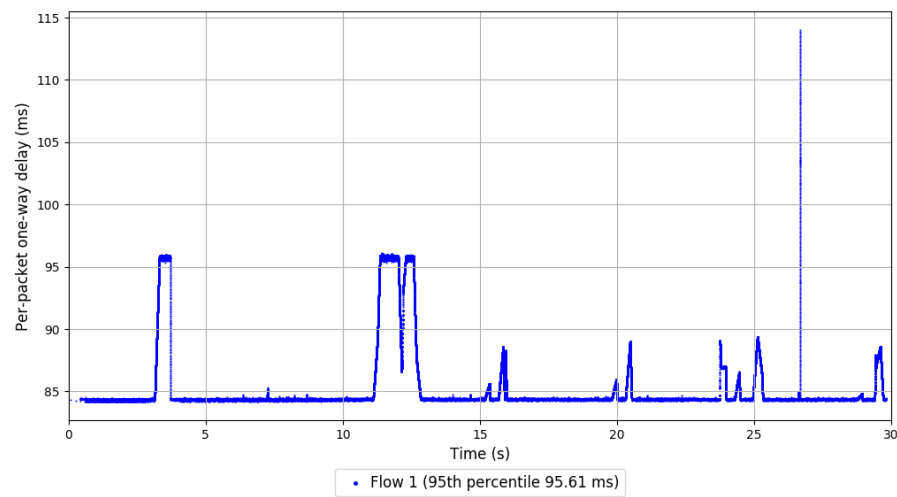
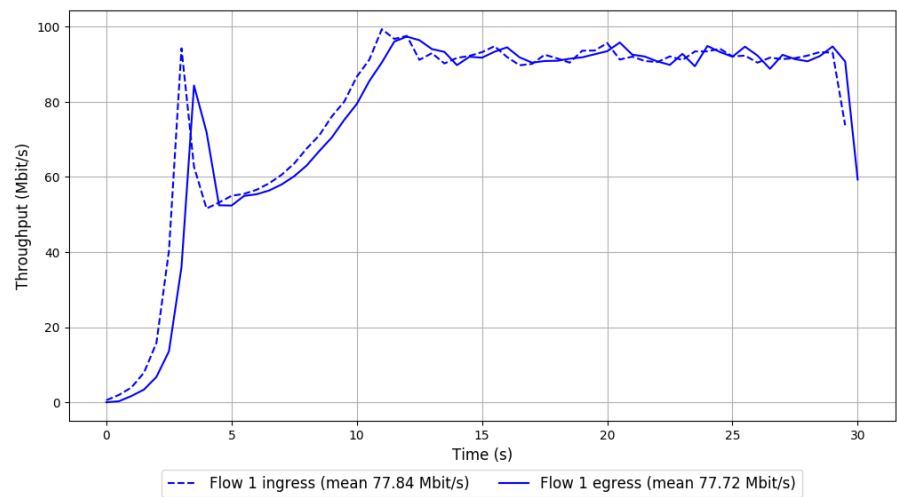
-- Flow 1:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 95.614 ms

Loss rate: 0.70%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 18:59:47

End at: 2018-08-09 19:00:17

Local clock offset: -3.447 ms

Remote clock offset: 4.402 ms

Below is generated by plot.py at 2018-08-09 20:59:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 95.018 ms

Loss rate: 0.66%

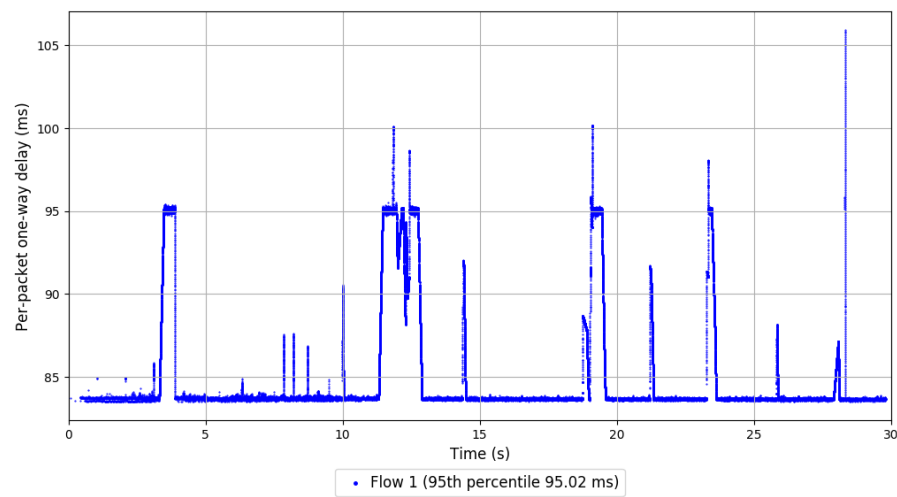
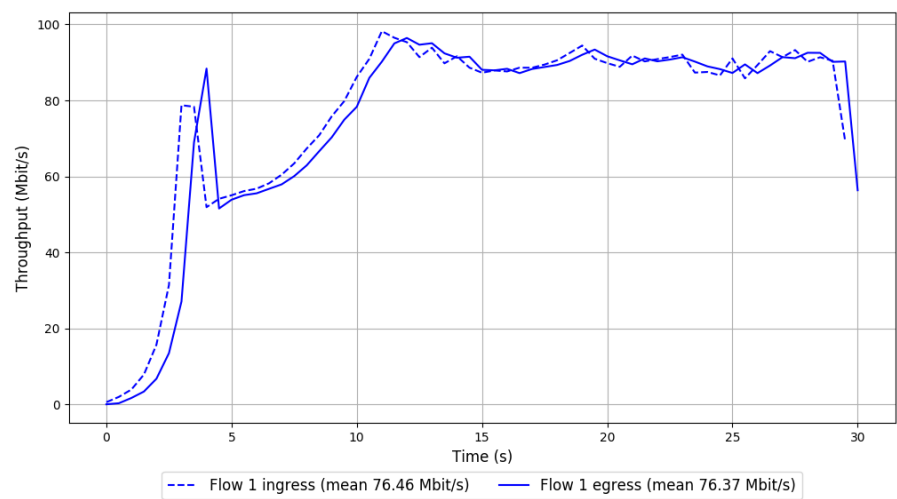
-- Flow 1:

Average throughput: 76.37 Mbit/s

95th percentile per-packet one-way delay: 95.018 ms

Loss rate: 0.66%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 19:19:58

End at: 2018-08-09 19:20:28

Local clock offset: -2.333 ms

Remote clock offset: 7.385 ms

Below is generated by plot.py at 2018-08-09 20:59:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 79.921 ms

Loss rate: 1.19%

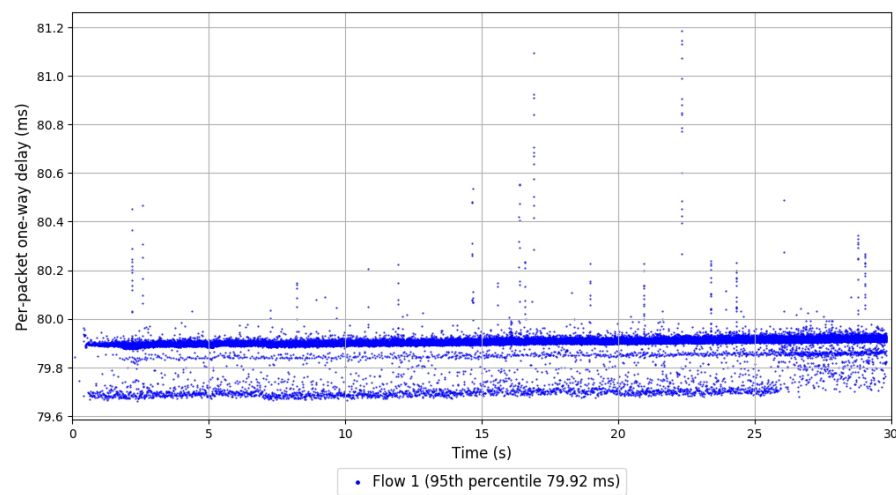
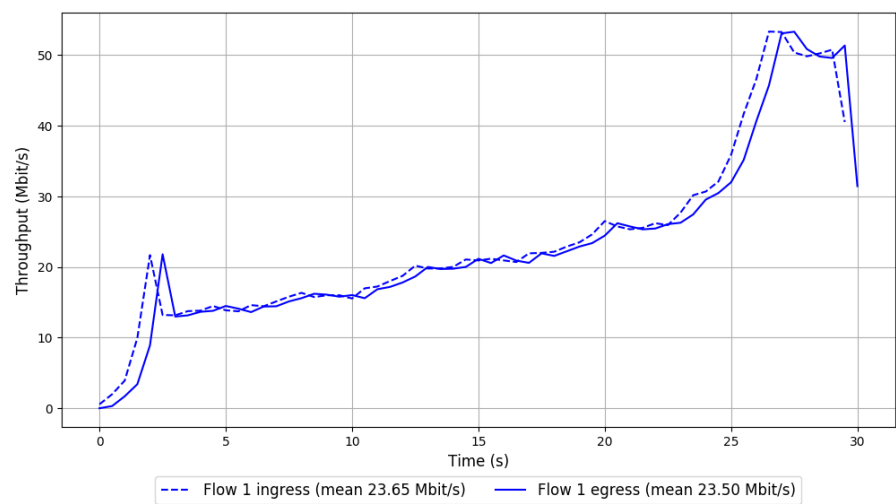
-- Flow 1:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 79.921 ms

Loss rate: 1.19%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 19:39:46

End at: 2018-08-09 19:40:16

Local clock offset: -2.818 ms

Remote clock offset: 3.837 ms

Below is generated by plot.py at 2018-08-09 20:59:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.46 Mbit/s

95th percentile per-packet one-way delay: 94.731 ms

Loss rate: 0.67%

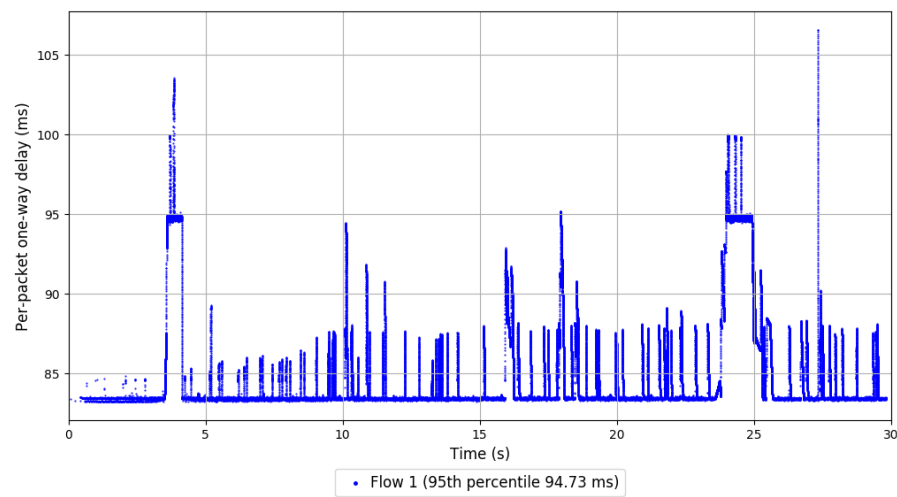
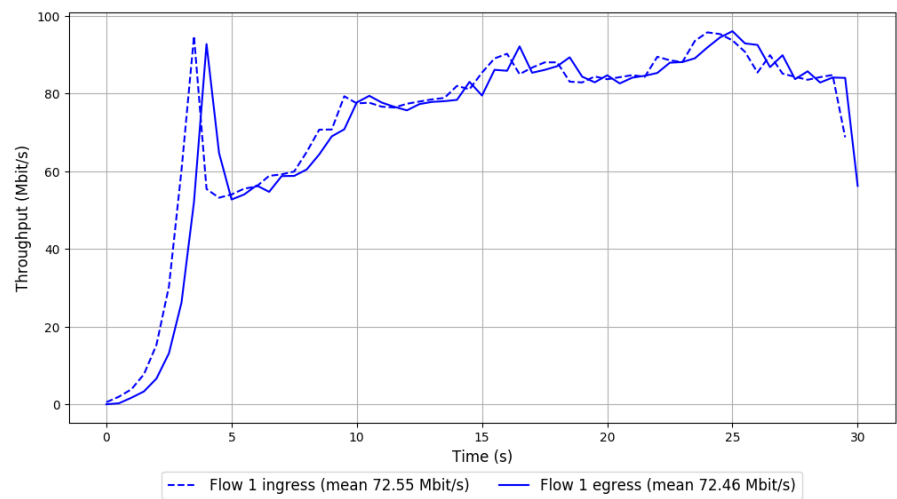
-- Flow 1:

Average throughput: 72.46 Mbit/s

95th percentile per-packet one-way delay: 94.731 ms

Loss rate: 0.67%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 19:59:36

End at: 2018-08-09 20:00:06

Local clock offset: -2.176 ms

Remote clock offset: 2.76 ms

Below is generated by plot.py at 2018-08-09 20:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 95.920 ms

Loss rate: 0.70%

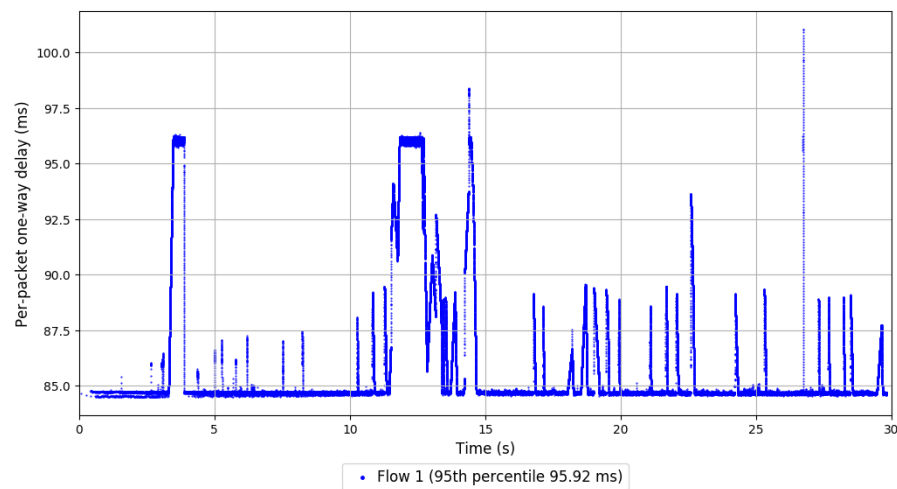
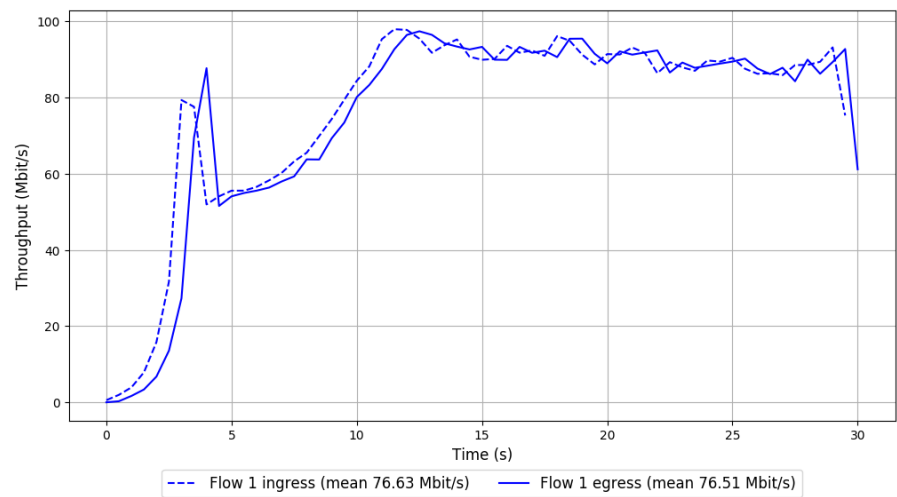
-- Flow 1:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 95.920 ms

Loss rate: 0.70%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 20:19:37

End at: 2018-08-09 20:20:07

Local clock offset: -2.355 ms

Remote clock offset: 2.74 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 94.563 ms

Loss rate: 0.78%

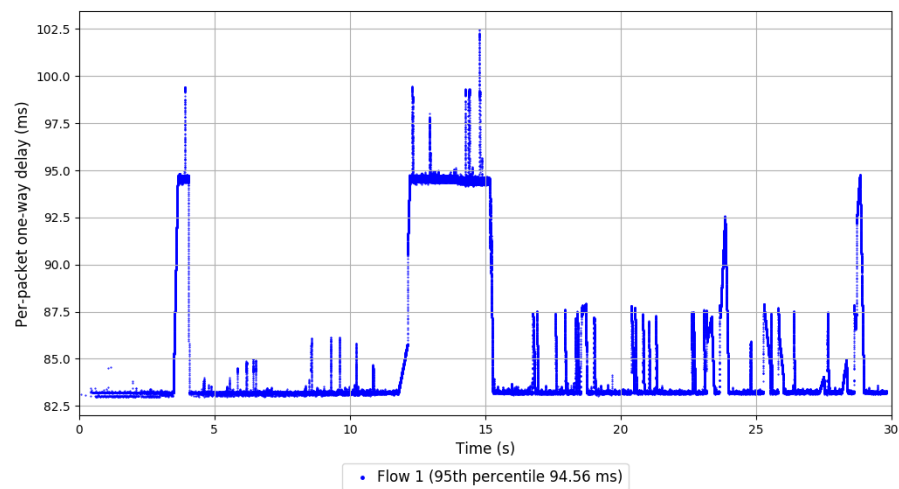
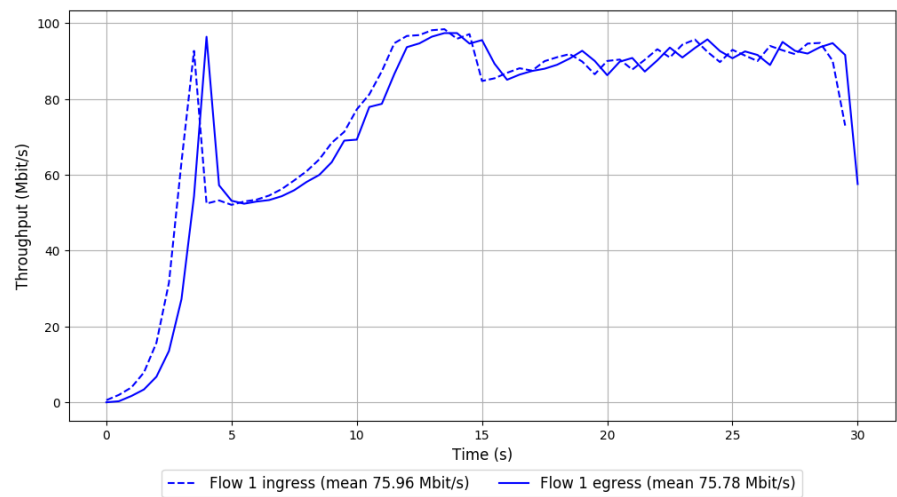
-- Flow 1:

Average throughput: 75.78 Mbit/s

95th percentile per-packet one-way delay: 94.563 ms

Loss rate: 0.78%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-09 17:24:06

End at: 2018-08-09 17:24:36

Local clock offset: -8.11 ms

Remote clock offset: 3.306 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 84.423 ms

Loss rate: 0.32%

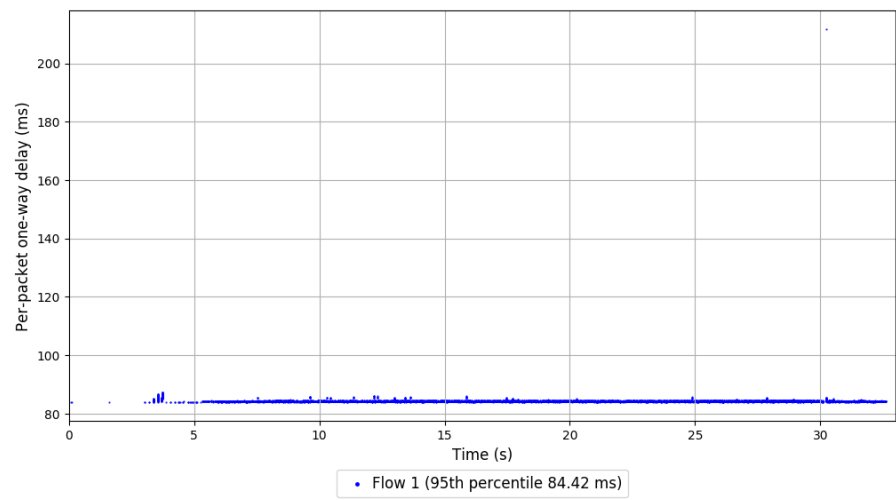
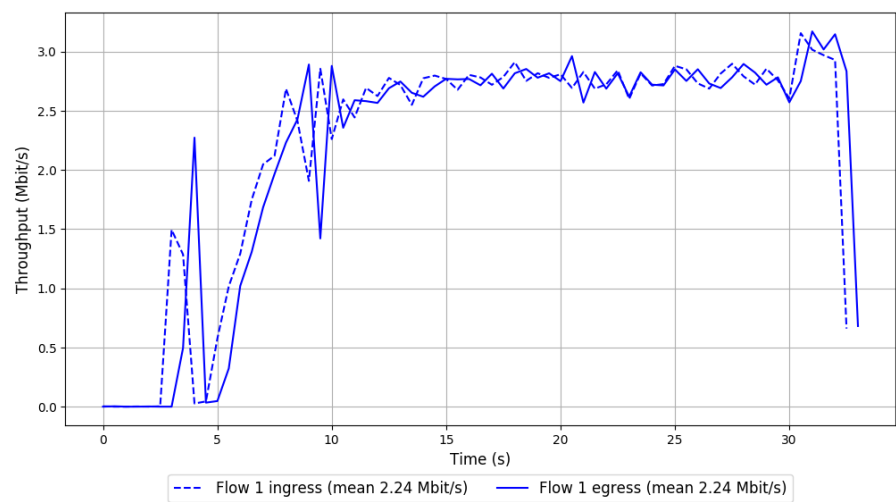
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 84.423 ms

Loss rate: 0.32%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-09 17:43:56

End at: 2018-08-09 17:44:26

Local clock offset: -8.128 ms

Remote clock offset: 7.672 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 81.455 ms

Loss rate: 0.36%

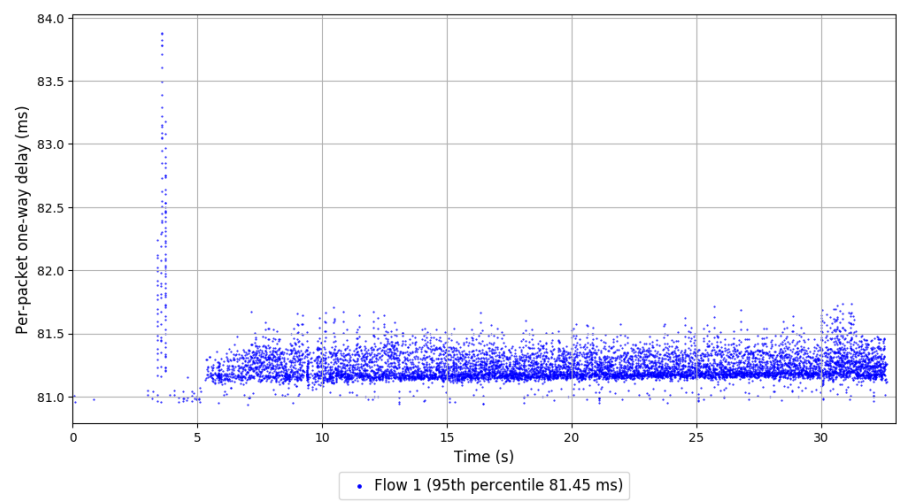
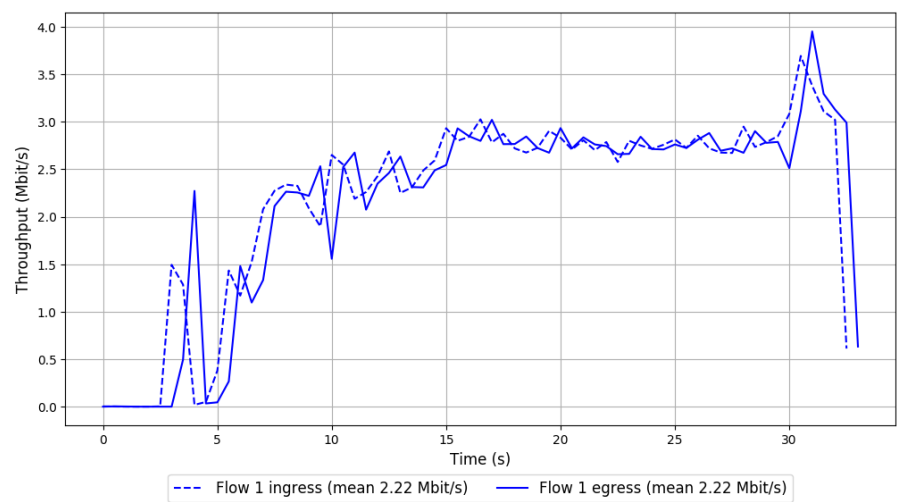
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 81.455 ms

Loss rate: 0.36%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-09 18:03:45

End at: 2018-08-09 18:04:15

Local clock offset: -7.982 ms

Remote clock offset: 4.773 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.187 ms

Loss rate: 0.26%

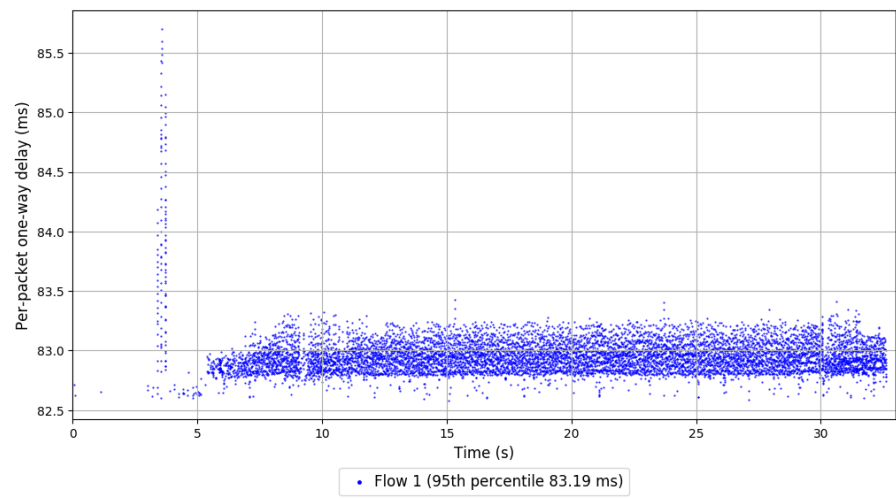
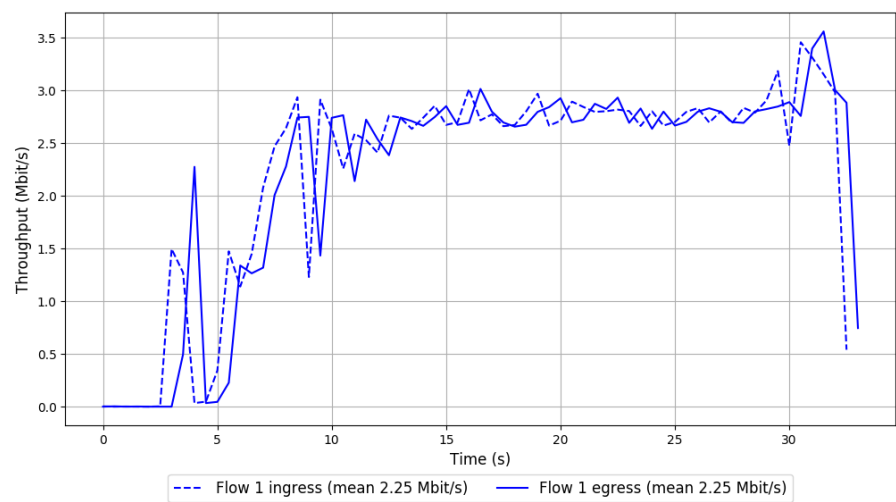
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.187 ms

Loss rate: 0.26%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-09 18:23:35

End at: 2018-08-09 18:24:05

Local clock offset: -7.996 ms

Remote clock offset: 8.421 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 80.978 ms

Loss rate: 0.28%

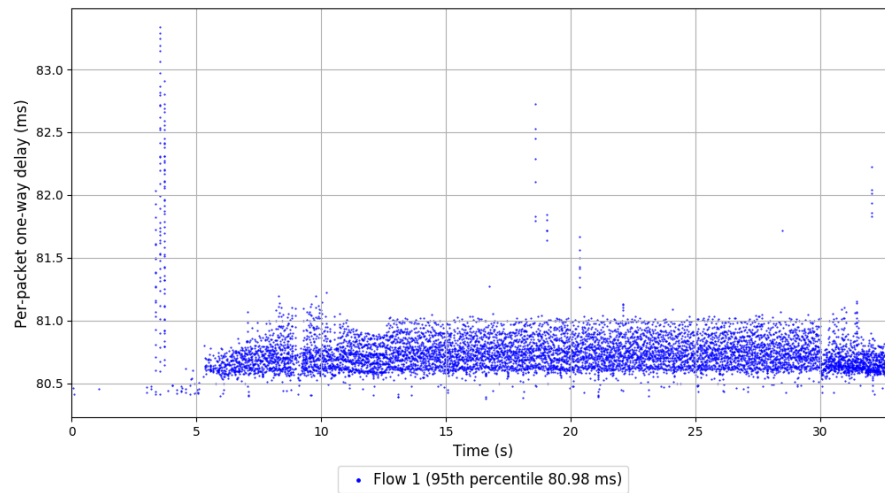
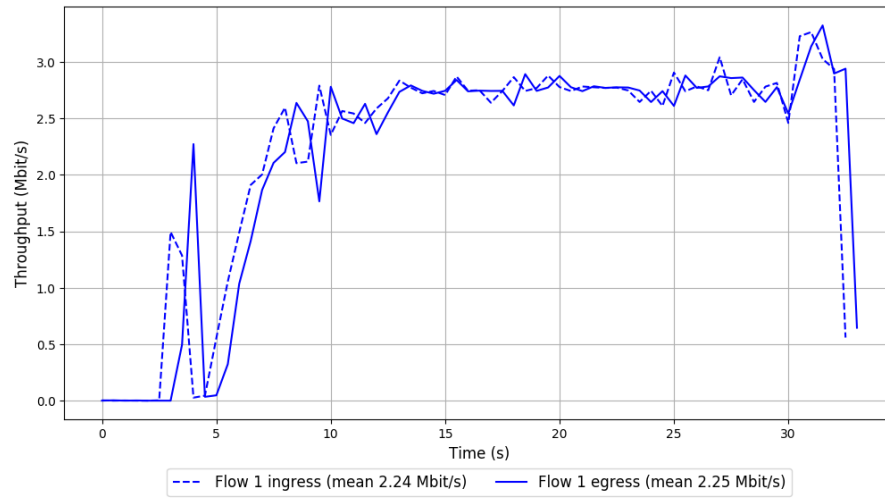
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 80.978 ms

Loss rate: 0.28%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-09 18:43:26

End at: 2018-08-09 18:43:56

Local clock offset: -8.03 ms

Remote clock offset: 4.347 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 84.835 ms

Loss rate: 0.27%

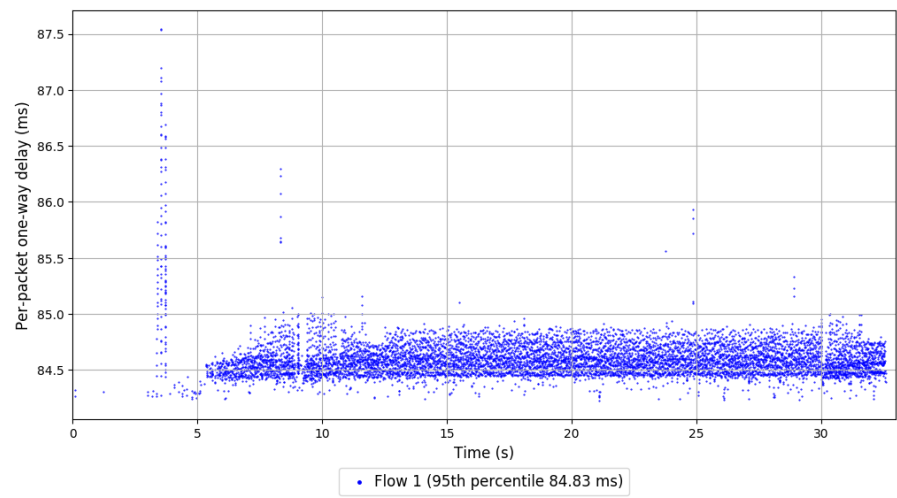
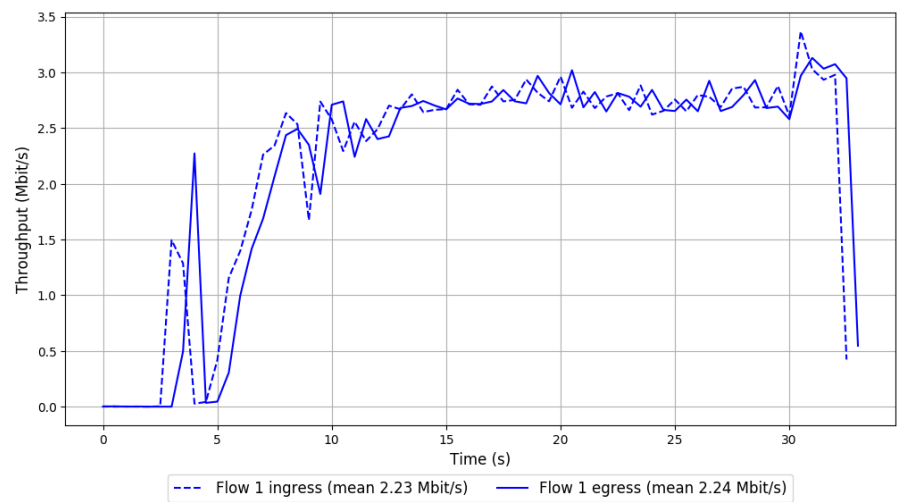
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 84.835 ms

Loss rate: 0.27%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 19:03:18

End at: 2018-08-09 19:03:48

Local clock offset: -2.895 ms

Remote clock offset: 4.952 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.726 ms

Loss rate: 0.41%

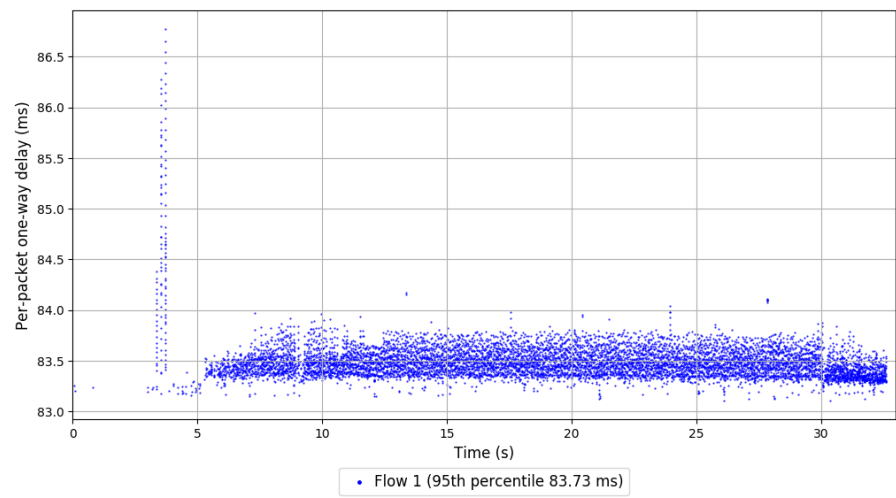
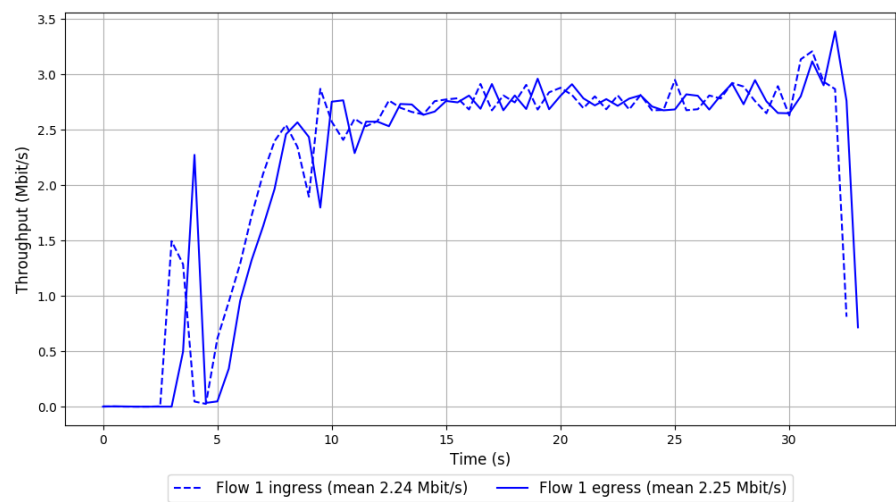
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 83.726 ms

Loss rate: 0.41%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-09 19:23:26

End at: 2018-08-09 19:23:56

Local clock offset: -2.624 ms

Remote clock offset: 3.489 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 85.051 ms

Loss rate: 0.31%

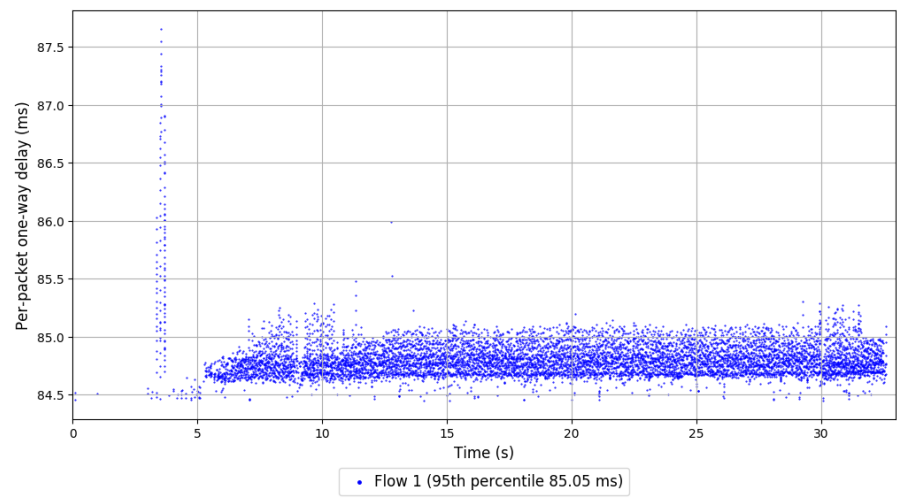
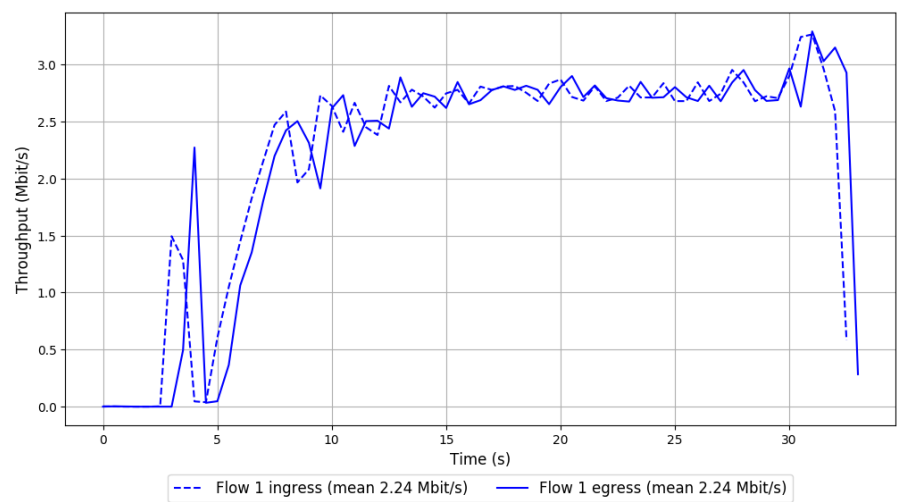
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 85.051 ms

Loss rate: 0.31%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-09 19:43:17

End at: 2018-08-09 19:43:47

Local clock offset: -2.742 ms

Remote clock offset: 3.242 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 84.575 ms

Loss rate: 0.54%

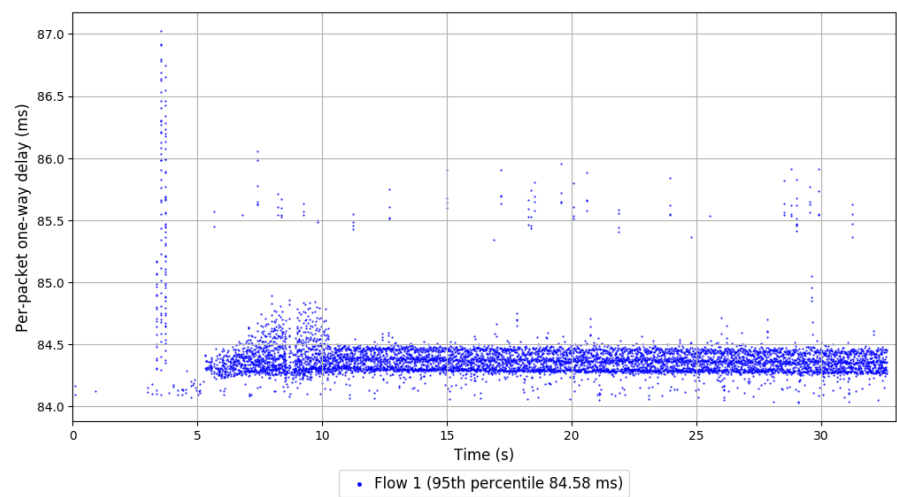
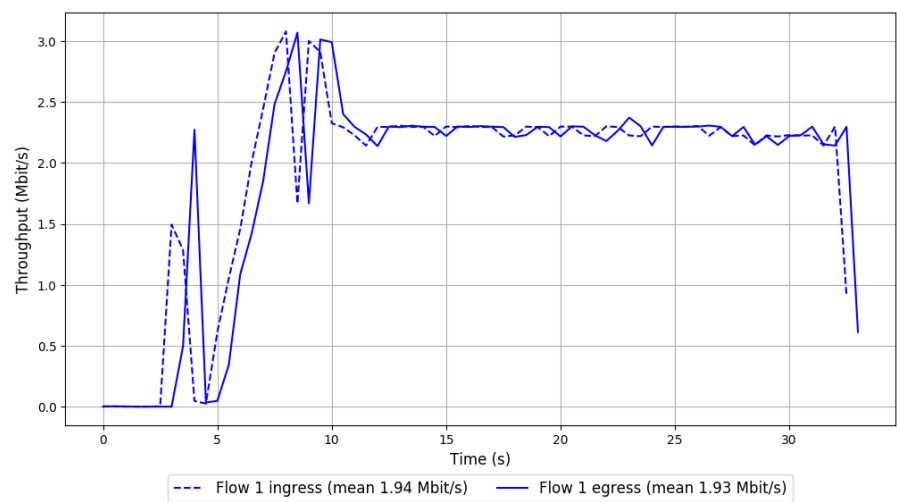
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 84.575 ms

Loss rate: 0.54%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 20:03:07

End at: 2018-08-09 20:03:37

Local clock offset: -1.972 ms

Remote clock offset: 6.566 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 81.168 ms

Loss rate: 0.28%

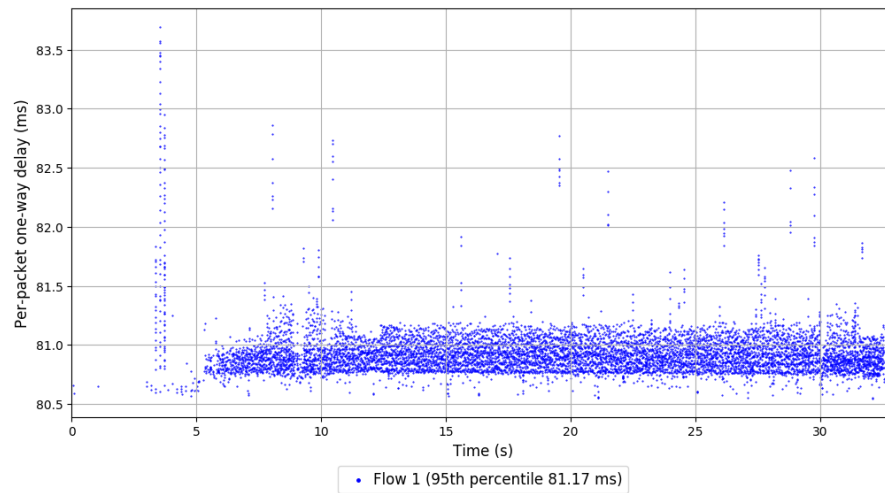
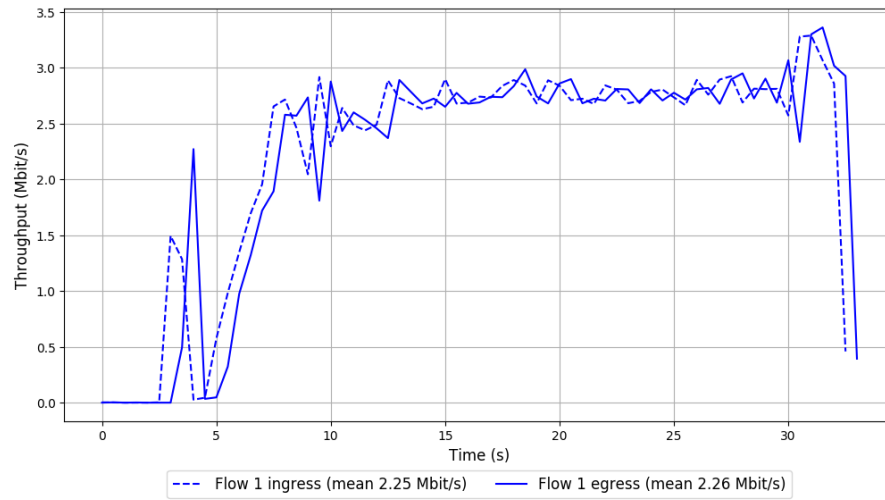
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 81.168 ms

Loss rate: 0.28%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 20:23:08

End at: 2018-08-09 20:23:38

Local clock offset: -2.793 ms

Remote clock offset: 2.42 ms

Below is generated by plot.py at 2018-08-09 20:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 83.196 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 83.196 ms

Loss rate: 0.61%

Run 10: Report of WebRTC media — Data Link

