

Pantheon Report

Generated at 2018-08-22 15:10:30 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

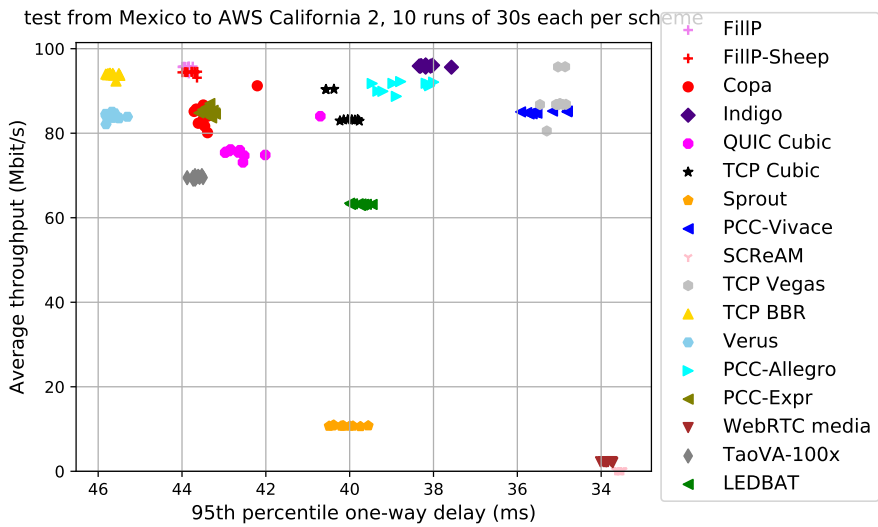
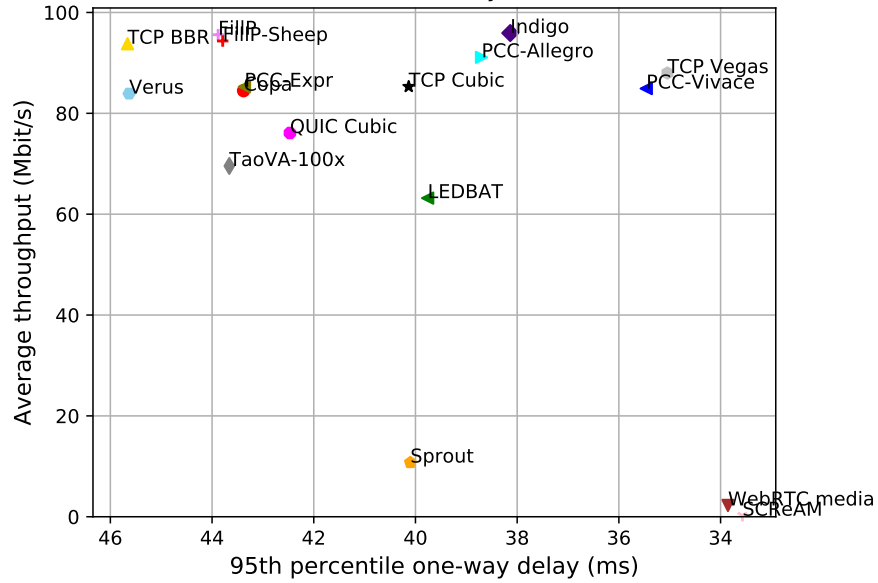
System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Mexico to AWS California 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.80	45.66	1.14
Copa	10	84.49	43.38	0.23
TCP Cubic	10	85.29	40.13	0.25
FillP	10	95.58	43.88	0.25
FillP-Sheep	10	94.34	43.79	0.26
Indigo	10	95.92	38.14	0.23
LEDBAT	10	63.18	39.76	0.20
PCC-Allegro	10	91.11	38.70	0.23
PCC-Expr	10	85.27	43.36	0.28
QUIC Cubic	10	76.10	42.47	0.29
SCReAM	10	0.21	33.57	0.25
Sprout	10	10.75	40.10	0.23
TaoVA-100x	10	69.56	43.66	0.28
TCP Vegas	10	87.99	35.05	0.25
Verus	10	83.91	45.63	0.43
PCC-Vivace	10	84.91	35.46	0.23
WebRTC media	10	2.24	33.85	0.25

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 11:01:13

End at: 2018-08-22 11:01:43

Local clock offset: 1.243 ms

Remote clock offset: -2.456 ms

Below is generated by plot.py at 2018-08-22 14:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 45.483 ms

Loss rate: 1.13%

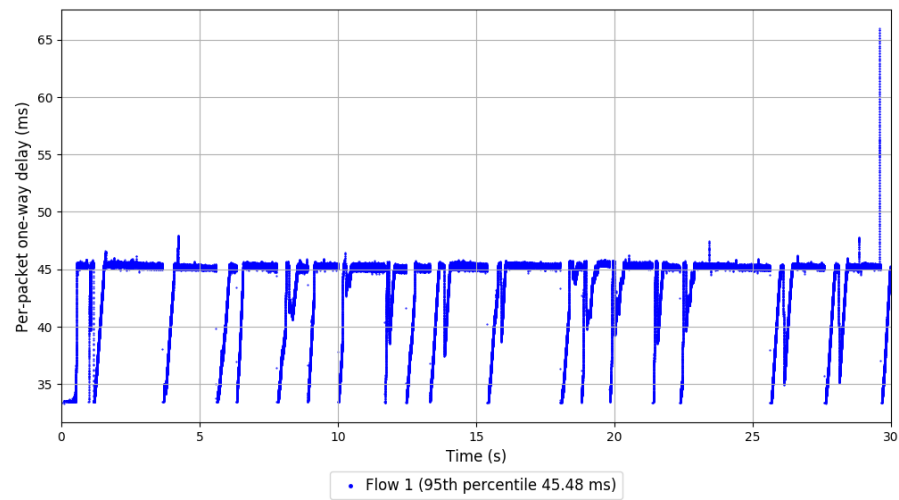
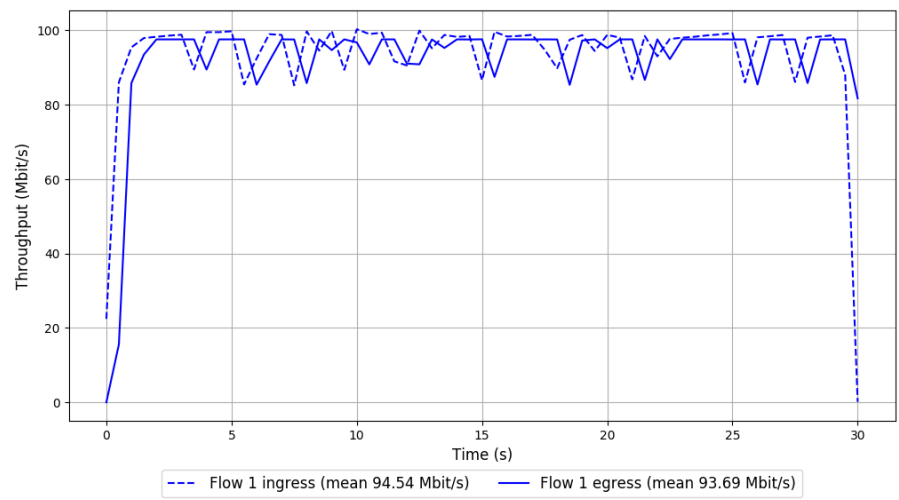
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 45.483 ms

Loss rate: 1.13%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-22 11:23:32

End at: 2018-08-22 11:24:02

Local clock offset: 1.107 ms

Remote clock offset: -3.217 ms

Below is generated by plot.py at 2018-08-22 14:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 45.652 ms

Loss rate: 1.06%

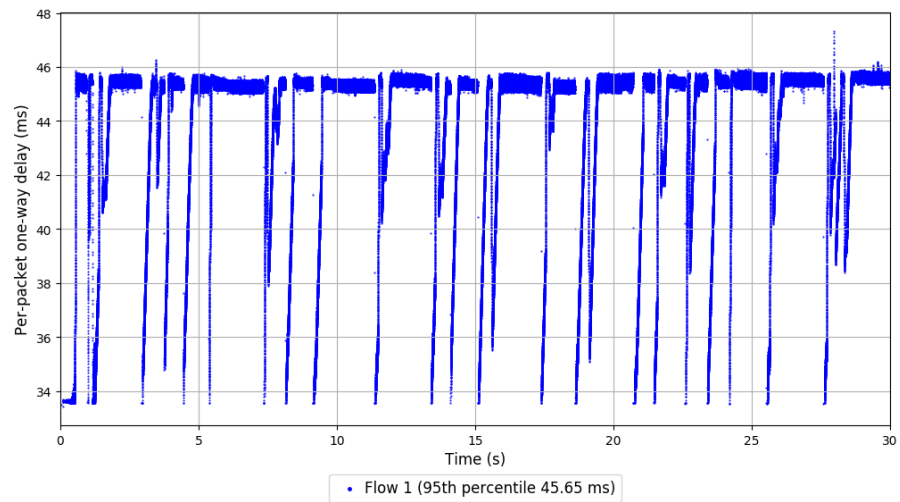
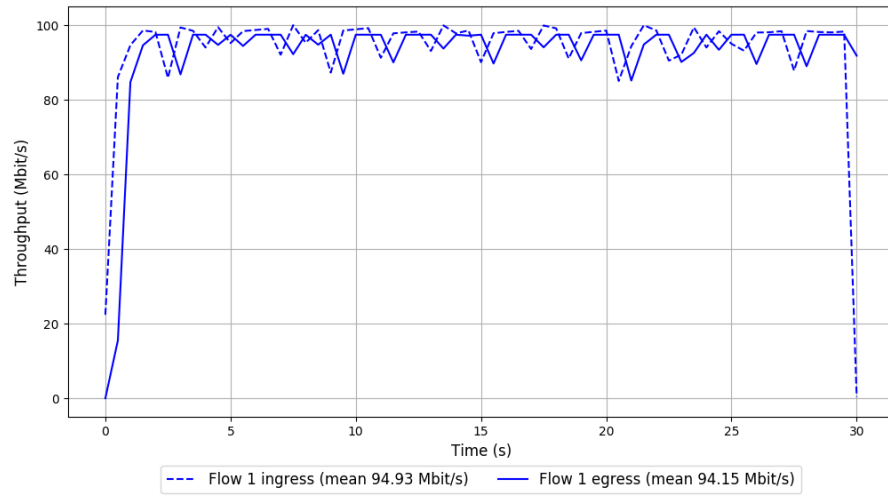
-- Flow 1:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 45.652 ms

Loss rate: 1.06%

Run 2: Report of TCP BBR — Data Link

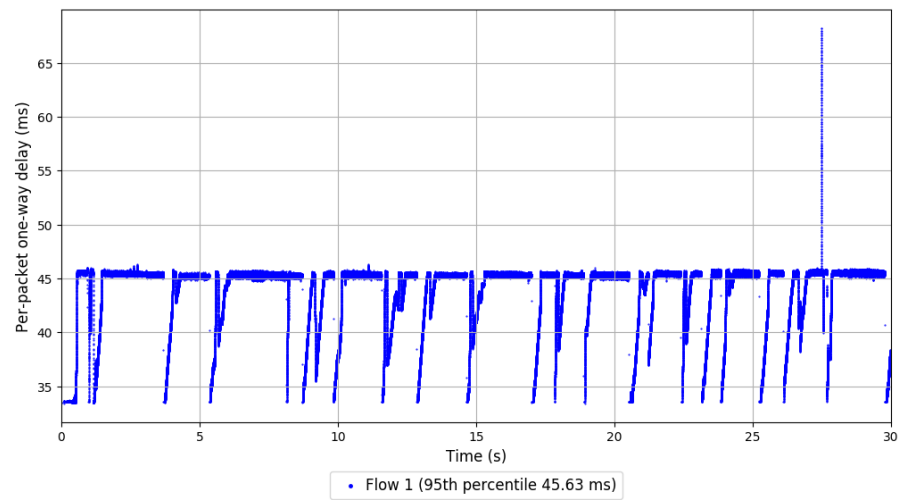
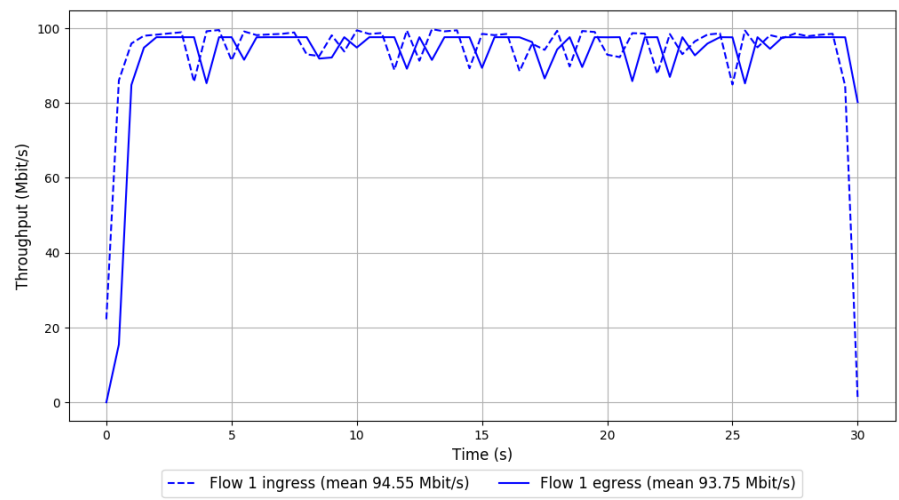


Run 3: Statistics of TCP BBR

Start at: 2018-08-22 11:46:19
End at: 2018-08-22 11:46:49
Local clock offset: 0.913 ms
Remote clock offset: -0.597 ms

Below is generated by plot.py at 2018-08-22 14:49:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 45.632 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 45.632 ms
Loss rate: 1.06%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-22 12:08:48

End at: 2018-08-22 12:09:18

Local clock offset: 0.869 ms

Remote clock offset: -0.606 ms

Below is generated by plot.py at 2018-08-22 14:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 45.719 ms

Loss rate: 1.17%

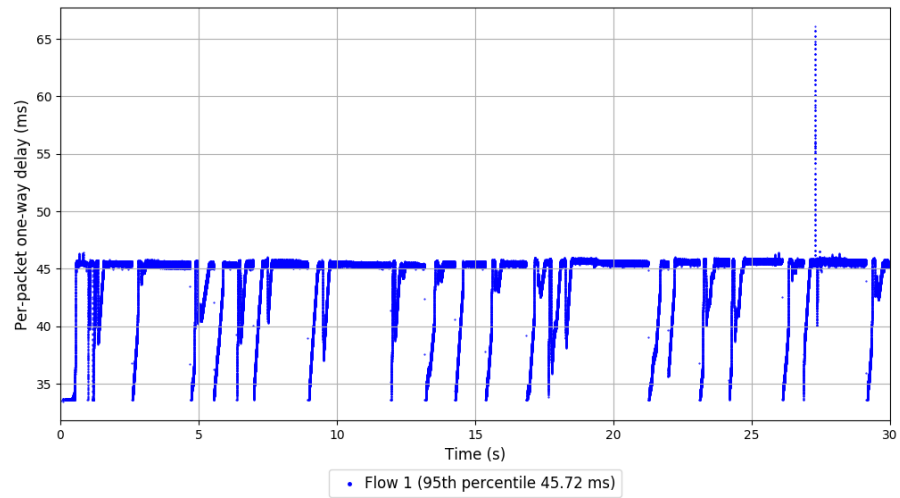
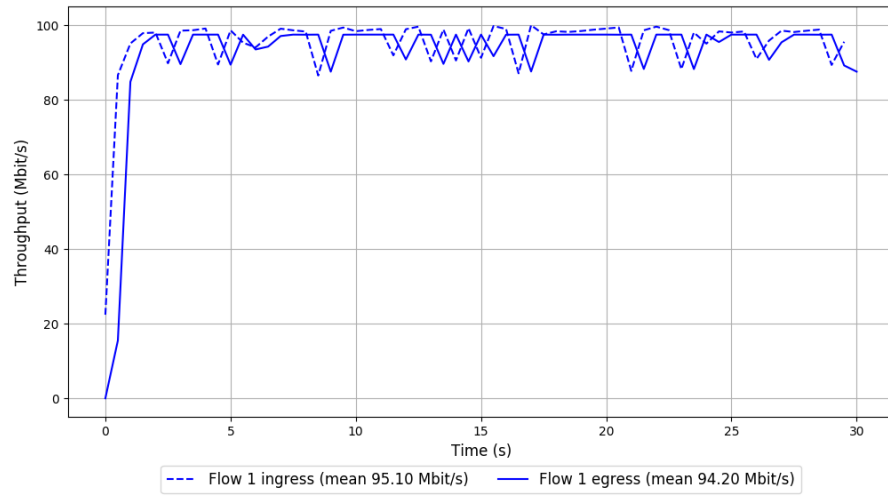
-- Flow 1:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 45.719 ms

Loss rate: 1.17%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-22 12:31:08

End at: 2018-08-22 12:31:38

Local clock offset: 0.102 ms

Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-08-22 14:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 45.505 ms

Loss rate: 0.97%

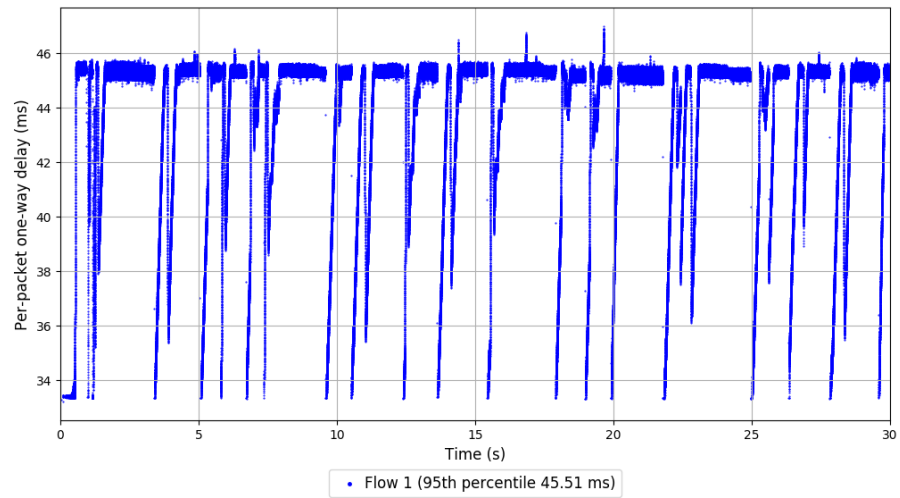
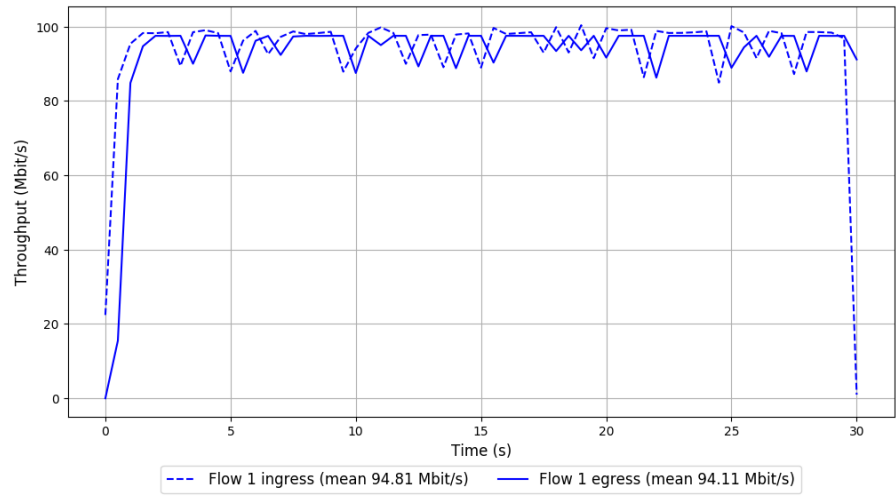
-- Flow 1:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 45.505 ms

Loss rate: 0.97%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-22 12:53:36

End at: 2018-08-22 12:54:06

Local clock offset: 0.279 ms

Remote clock offset: -1.886 ms

Below is generated by plot.py at 2018-08-22 14:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 45.780 ms

Loss rate: 1.17%

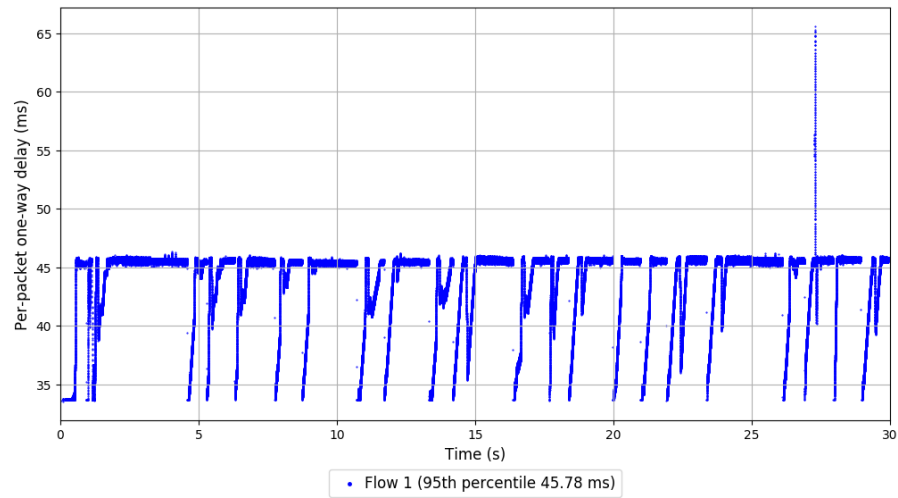
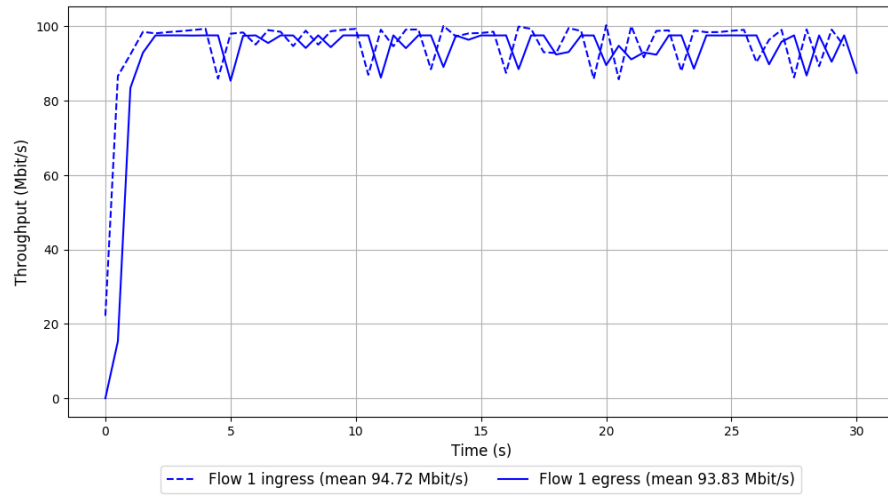
-- Flow 1:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 45.780 ms

Loss rate: 1.17%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-22 13:16:03

End at: 2018-08-22 13:16:33

Local clock offset: 0.258 ms

Remote clock offset: -1.359 ms

Below is generated by plot.py at 2018-08-22 14:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 45.574 ms

Loss rate: 1.28%

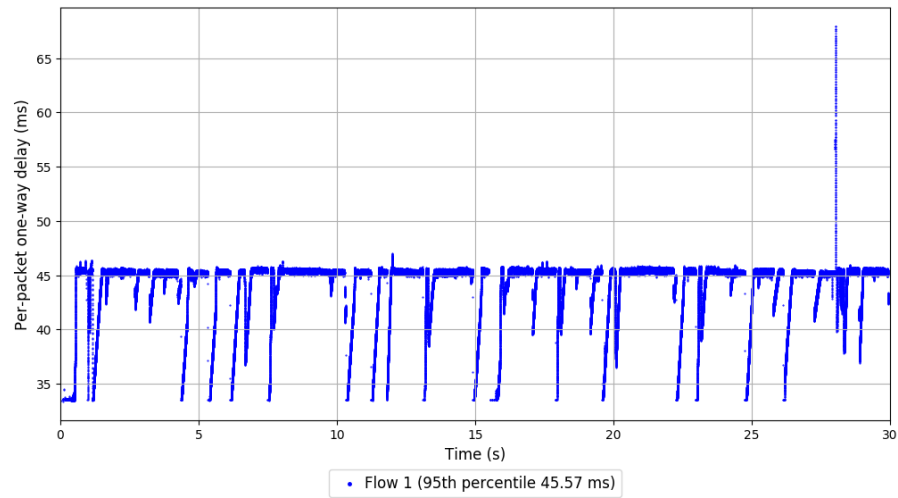
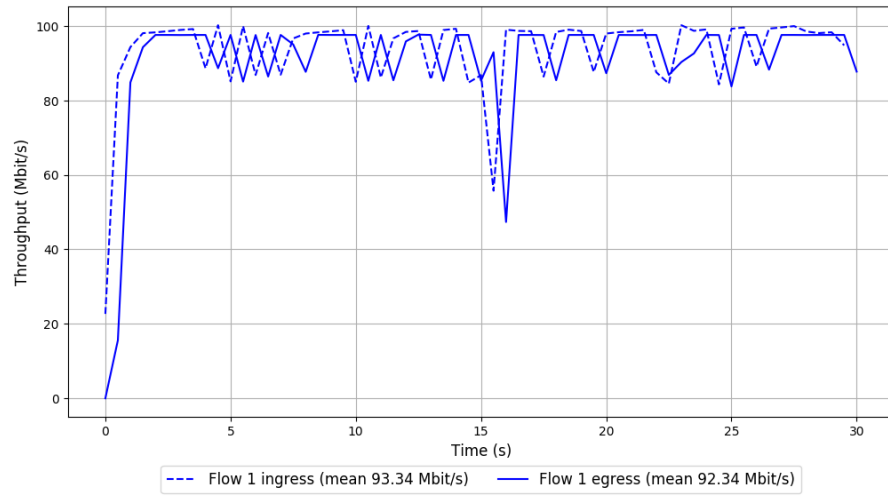
-- Flow 1:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 45.574 ms

Loss rate: 1.28%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-22 13:38:23

End at: 2018-08-22 13:38:53

Local clock offset: 0.14 ms

Remote clock offset: -0.767 ms

Below is generated by plot.py at 2018-08-22 14:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 45.817 ms

Loss rate: 1.23%

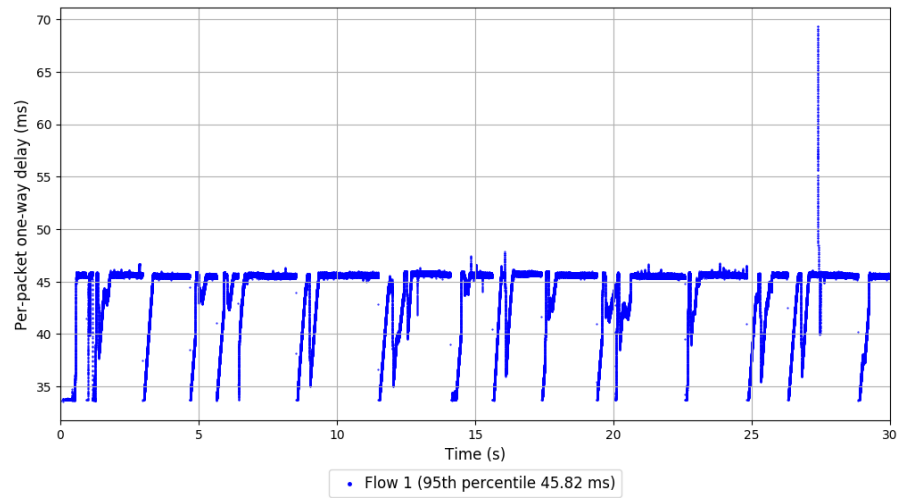
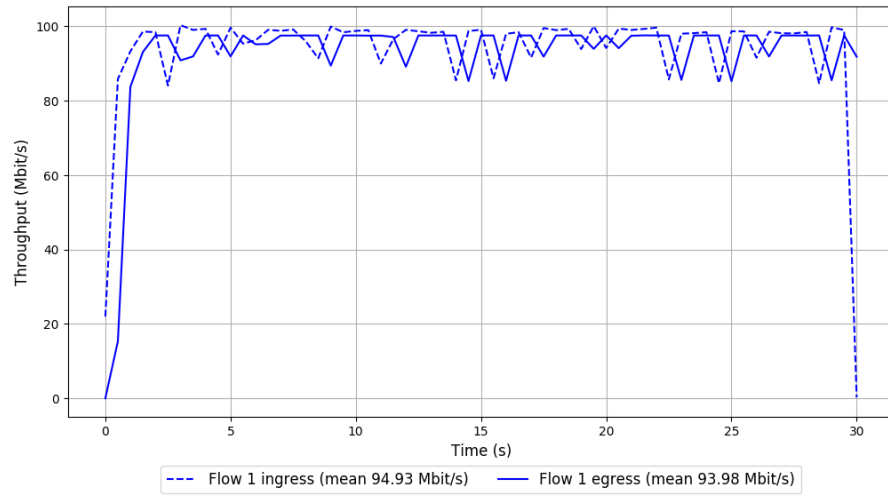
-- Flow 1:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 45.817 ms

Loss rate: 1.23%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-22 14:00:45

End at: 2018-08-22 14:01:15

Local clock offset: 0.232 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-08-22 14:49:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 45.698 ms

Loss rate: 1.15%

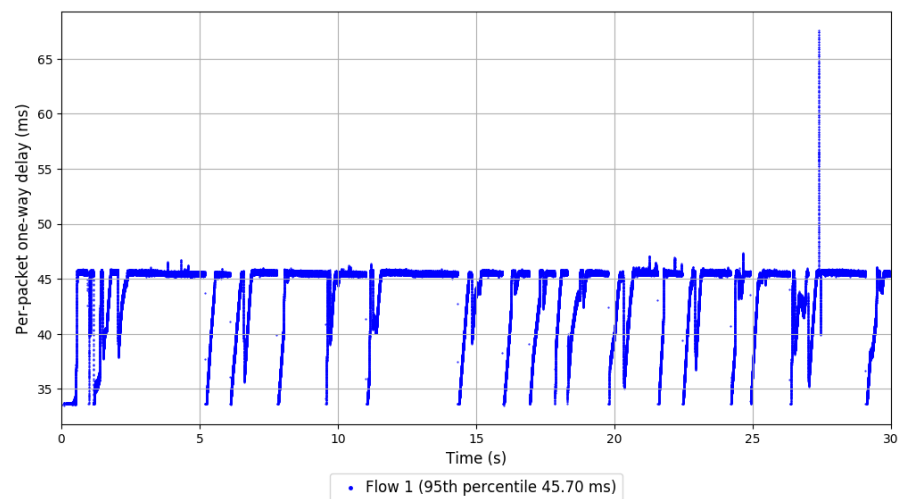
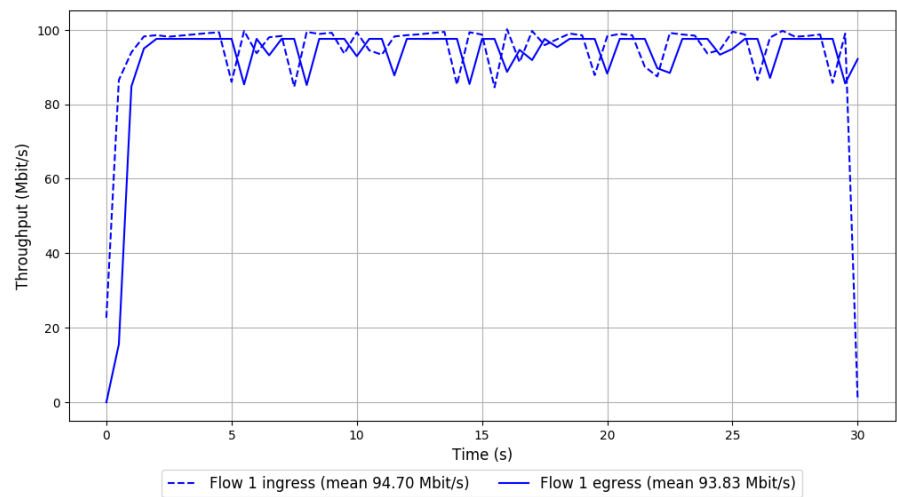
-- Flow 1:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 45.698 ms

Loss rate: 1.15%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-22 14:23:05

End at: 2018-08-22 14:23:35

Local clock offset: 0.119 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-08-22 14:49:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 45.766 ms

Loss rate: 1.17%

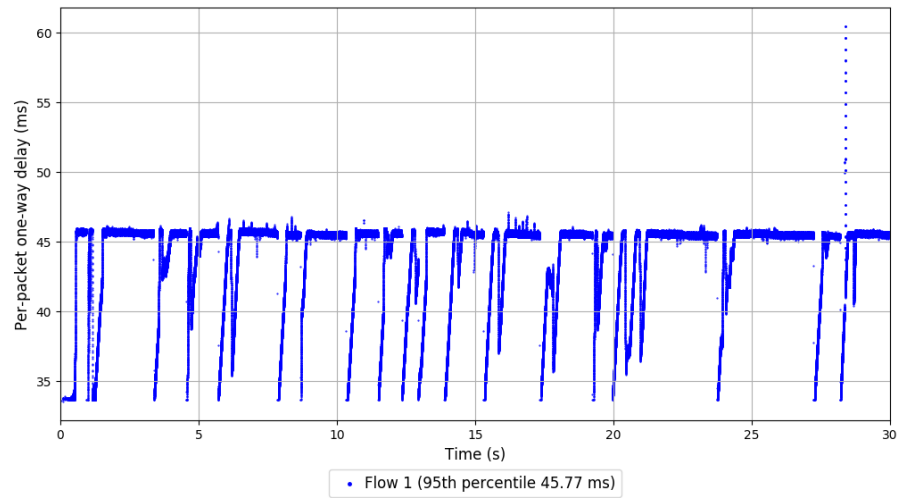
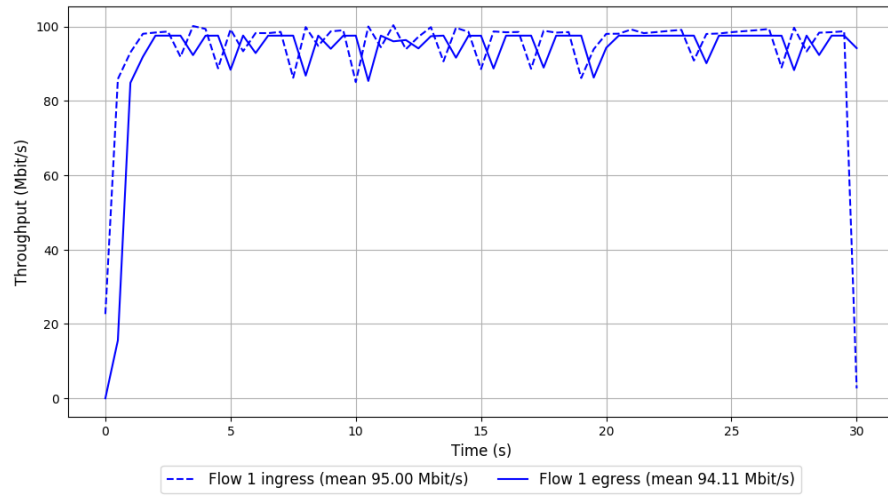
-- Flow 1:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 45.766 ms

Loss rate: 1.17%

Run 10: Report of TCP BBR — Data Link

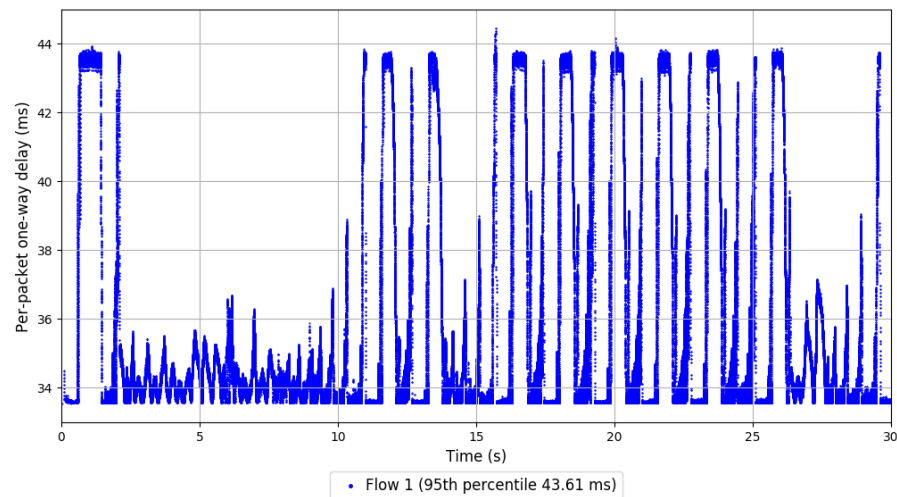
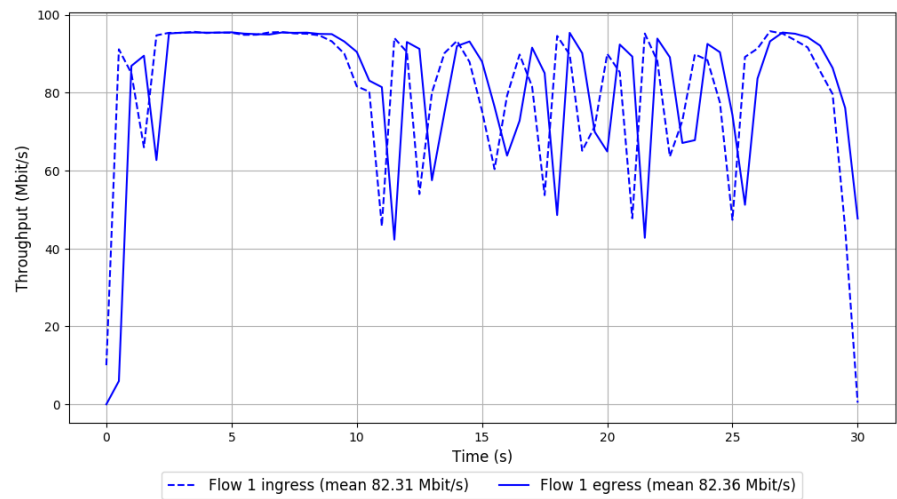


Run 1: Statistics of Copa

Start at: 2018-08-22 11:18:17
End at: 2018-08-22 11:18:47
Local clock offset: 1.107 ms
Remote clock offset: -3.132 ms

Below is generated by plot.py at 2018-08-22 14:50:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 43.611 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 43.611 ms
Loss rate: 0.15%

Run 1: Report of Copa — Data Link

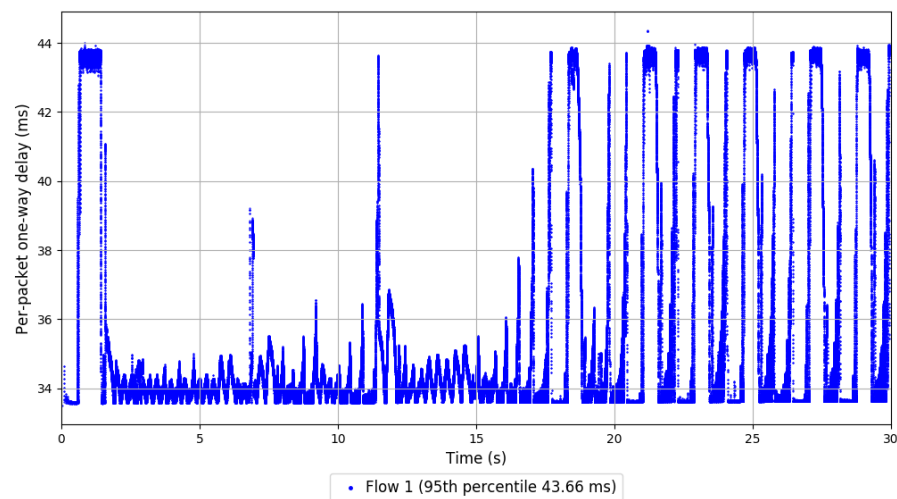
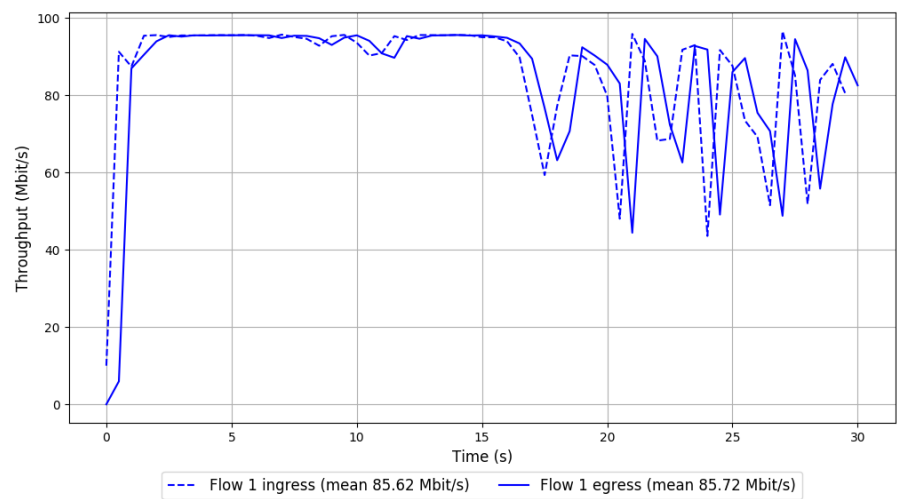


Run 2: Statistics of Copa

Start at: 2018-08-22 11:40:55
End at: 2018-08-22 11:41:25
Local clock offset: 1.146 ms
Remote clock offset: -0.974 ms

Below is generated by plot.py at 2018-08-22 14:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 43.660 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 43.660 ms
Loss rate: 0.11%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-22 12:03:35

End at: 2018-08-22 12:04:05

Local clock offset: 0.882 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-08-22 14:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 43.711 ms

Loss rate: 0.25%

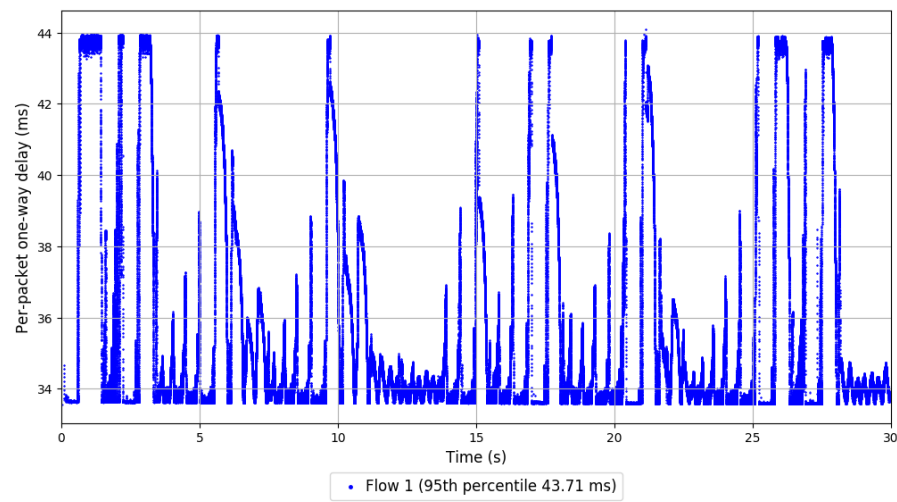
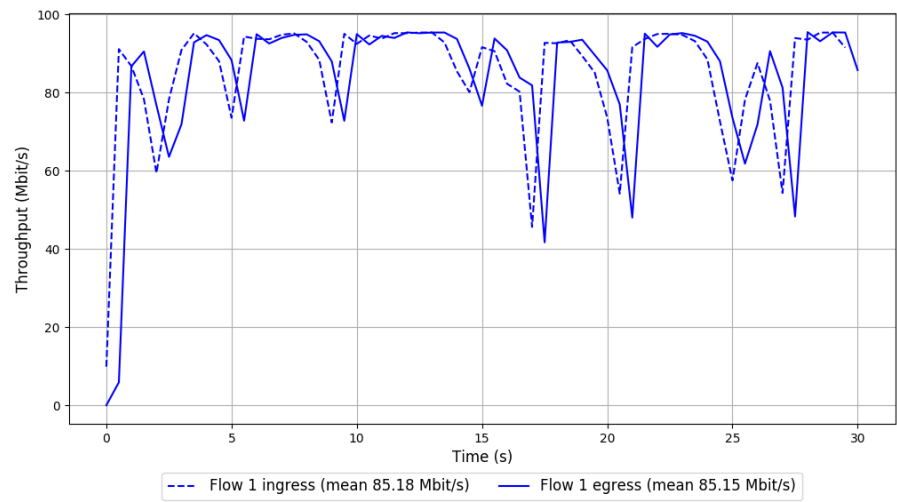
-- Flow 1:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 43.711 ms

Loss rate: 0.25%

Run 3: Report of Copa — Data Link

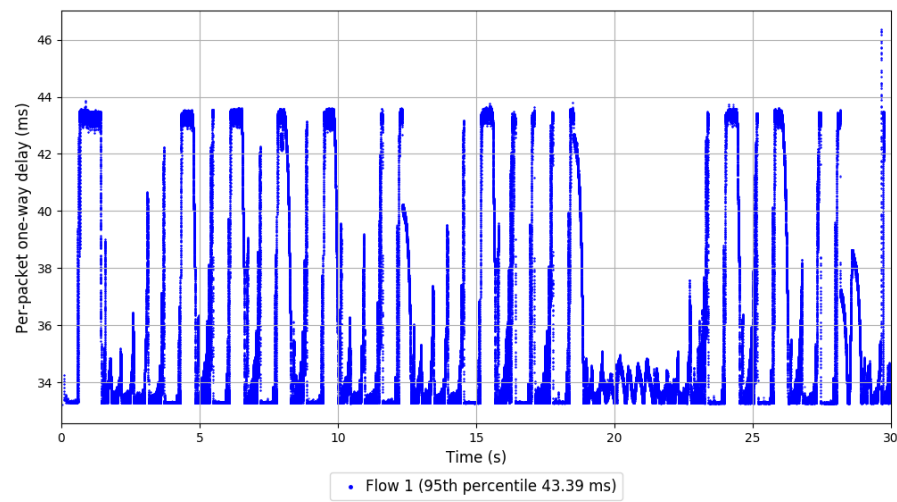
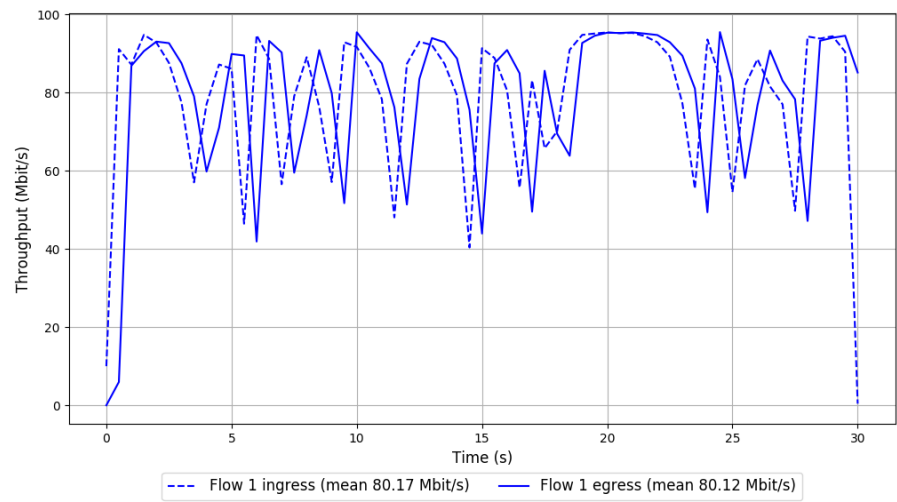


Run 4: Statistics of Copa

Start at: 2018-08-22 12:25:53
End at: 2018-08-22 12:26:23
Local clock offset: 0.122 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2018-08-22 14:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 43.391 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 43.391 ms
Loss rate: 0.28%

Run 4: Report of Copa — Data Link

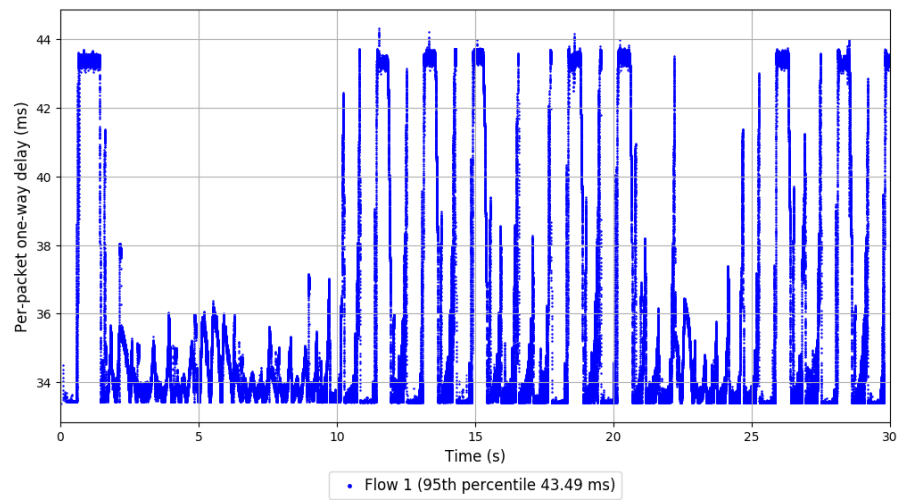
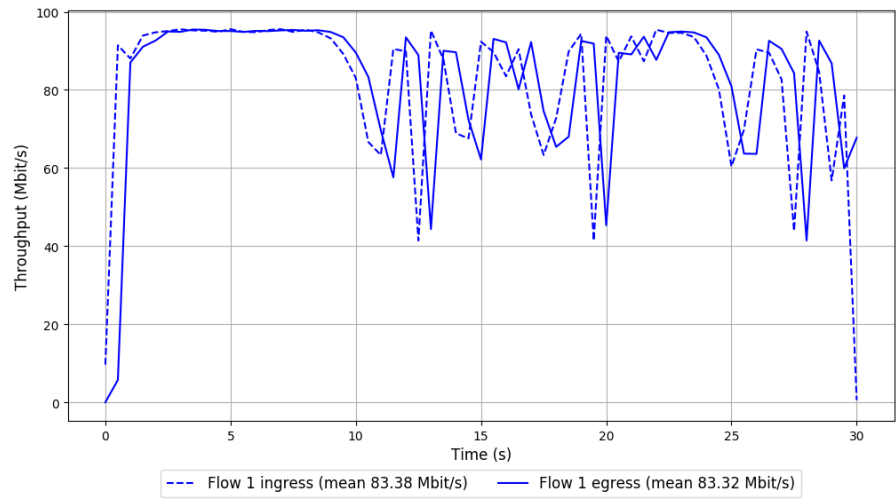


Run 5: Statistics of Copa

Start at: 2018-08-22 12:48:22
End at: 2018-08-22 12:48:52
Local clock offset: 0.178 ms
Remote clock offset: -1.536 ms

Below is generated by plot.py at 2018-08-22 14:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 43.494 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 43.494 ms
Loss rate: 0.31%

Run 5: Report of Copa — Data Link

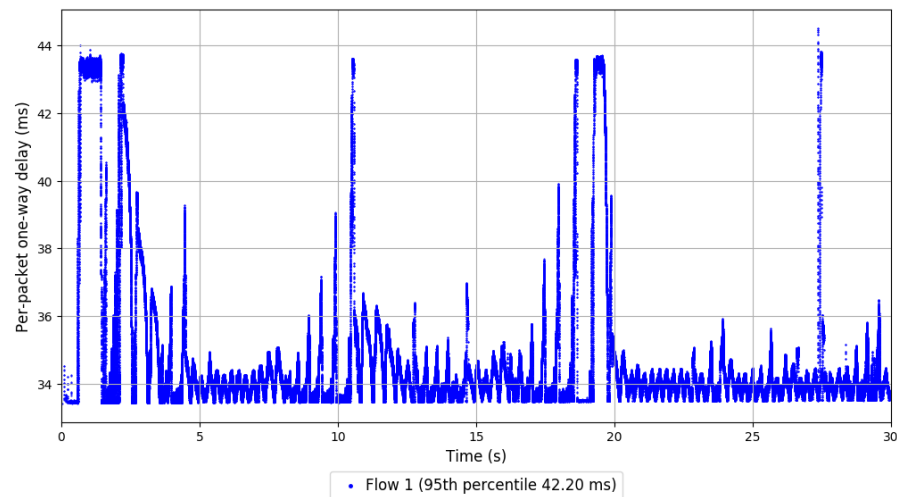
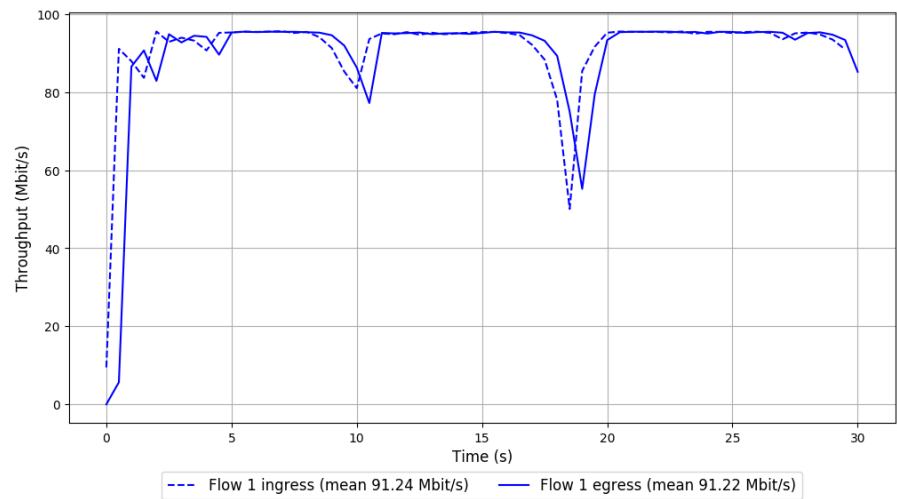


Run 6: Statistics of Copa

Start at: 2018-08-22 13:10:47
End at: 2018-08-22 13:11:17
Local clock offset: 0.217 ms
Remote clock offset: -1.964 ms

Below is generated by plot.py at 2018-08-22 14:50:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 42.204 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 42.204 ms
Loss rate: 0.23%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-22 13:33:08

End at: 2018-08-22 13:33:38

Local clock offset: 0.129 ms

Remote clock offset: -0.6 ms

Below is generated by plot.py at 2018-08-22 14:51:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.69 Mbit/s

95th percentile per-packet one-way delay: 43.459 ms

Loss rate: 0.24%

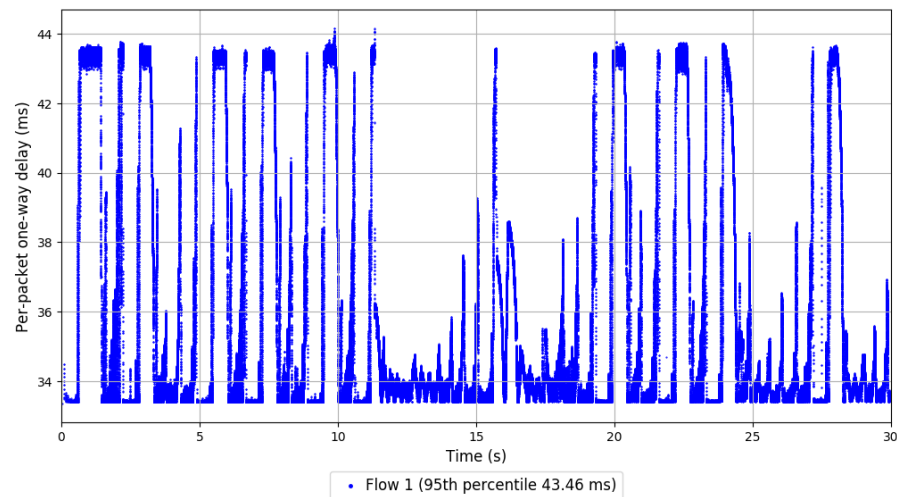
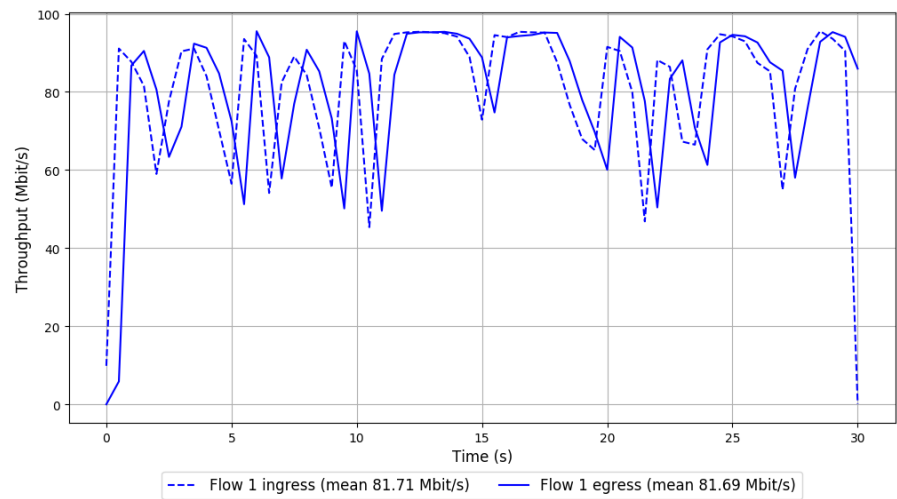
-- Flow 1:

Average throughput: 81.69 Mbit/s

95th percentile per-packet one-way delay: 43.459 ms

Loss rate: 0.24%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-22 13:55:31

End at: 2018-08-22 13:56:01

Local clock offset: 0.121 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-08-22 14:51:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.05 Mbit/s

95th percentile per-packet one-way delay: 43.385 ms

Loss rate: 0.23%

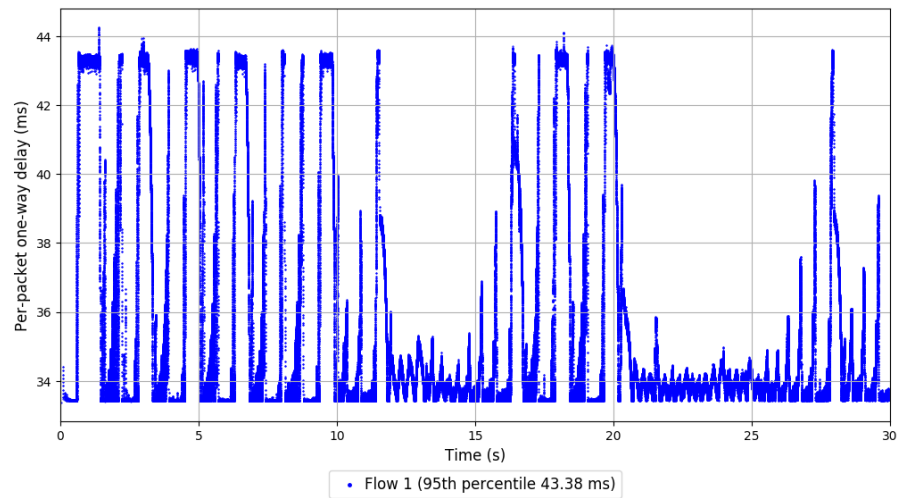
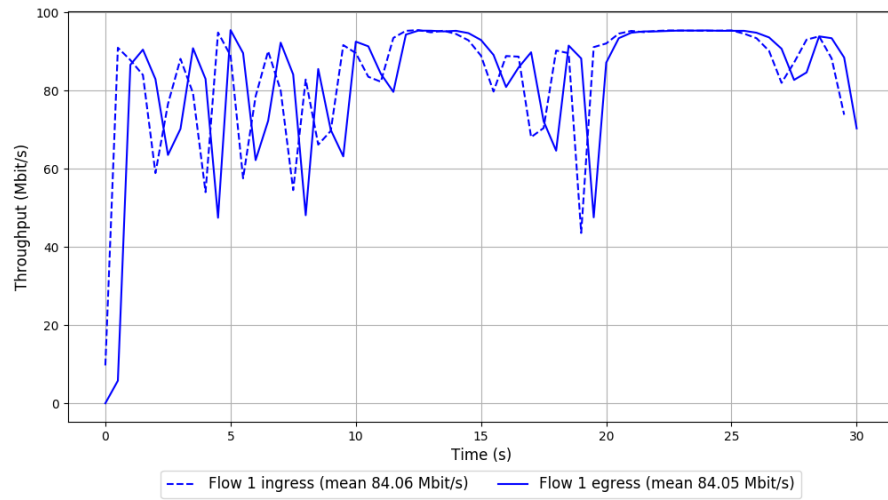
-- Flow 1:

Average throughput: 84.05 Mbit/s

95th percentile per-packet one-way delay: 43.385 ms

Loss rate: 0.23%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-22 14:17:49

End at: 2018-08-22 14:18:19

Local clock offset: 0.21 ms

Remote clock offset: 0.742 ms

Below is generated by plot.py at 2018-08-22 14:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.68 Mbit/s

95th percentile per-packet one-way delay: 43.492 ms

Loss rate: 0.18%

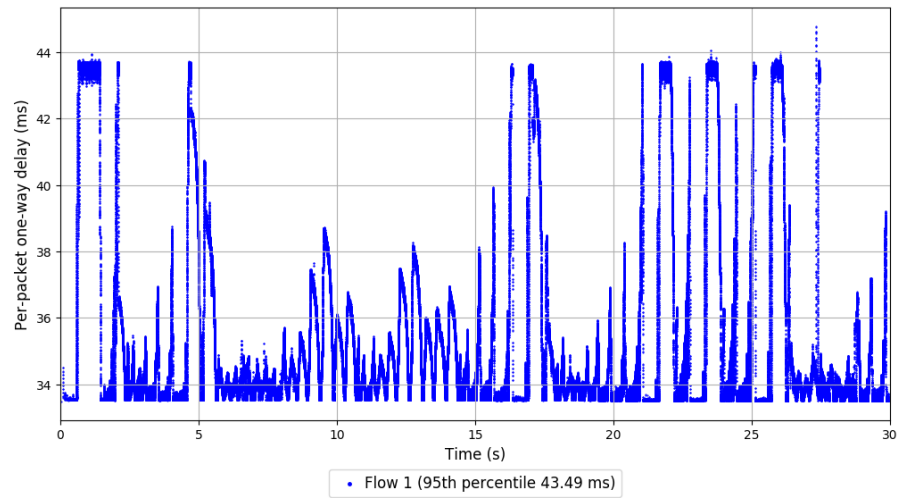
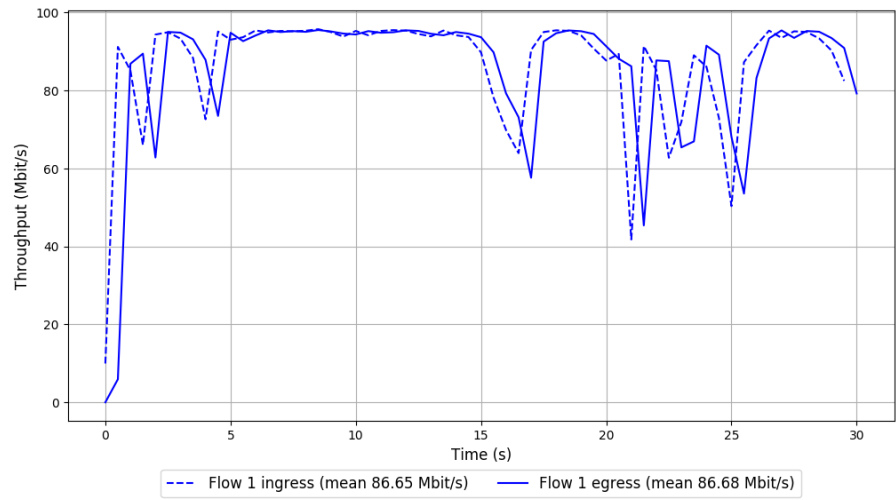
-- Flow 1:

Average throughput: 86.68 Mbit/s

95th percentile per-packet one-way delay: 43.492 ms

Loss rate: 0.18%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-22 14:40:10

End at: 2018-08-22 14:40:40

Local clock offset: 0.141 ms

Remote clock offset: 0.439 ms

Below is generated by plot.py at 2018-08-22 14:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 43.396 ms

Loss rate: 0.29%

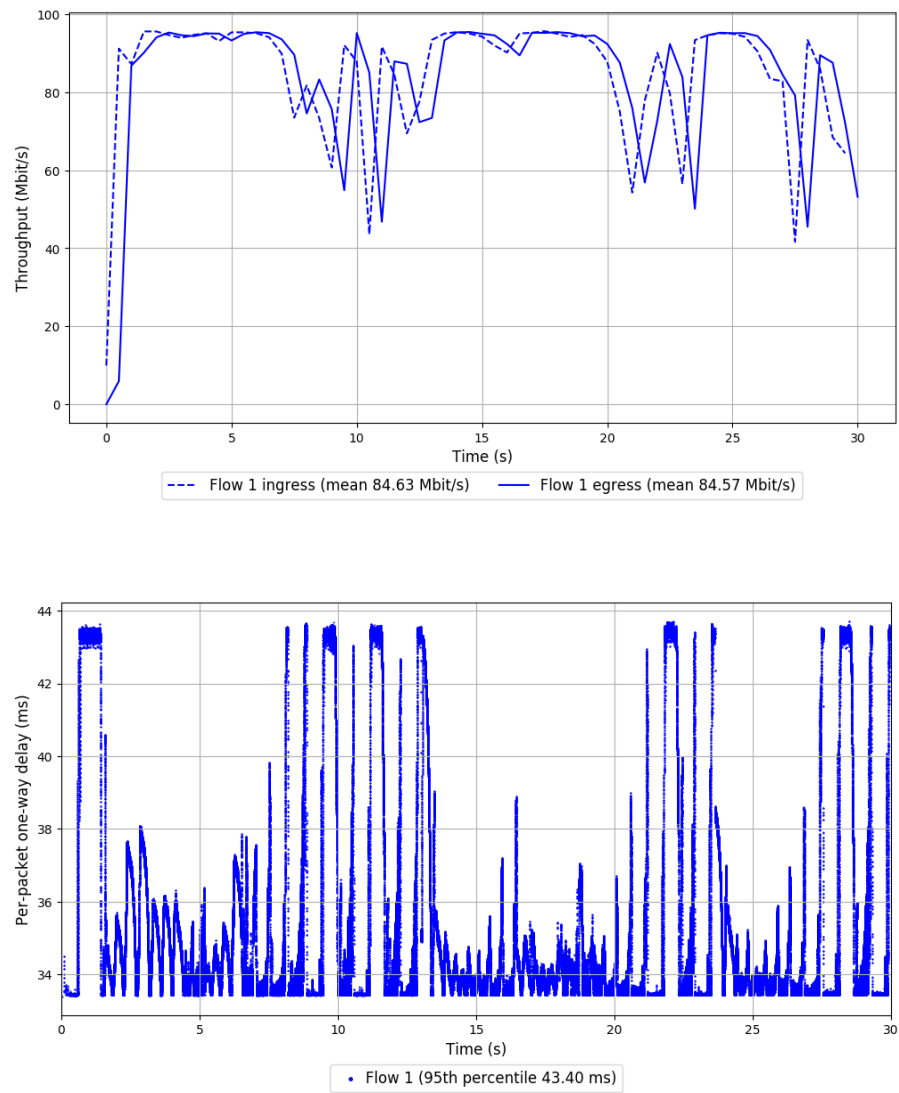
-- Flow 1:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 43.396 ms

Loss rate: 0.29%

Run 10: Report of Copa — Data Link

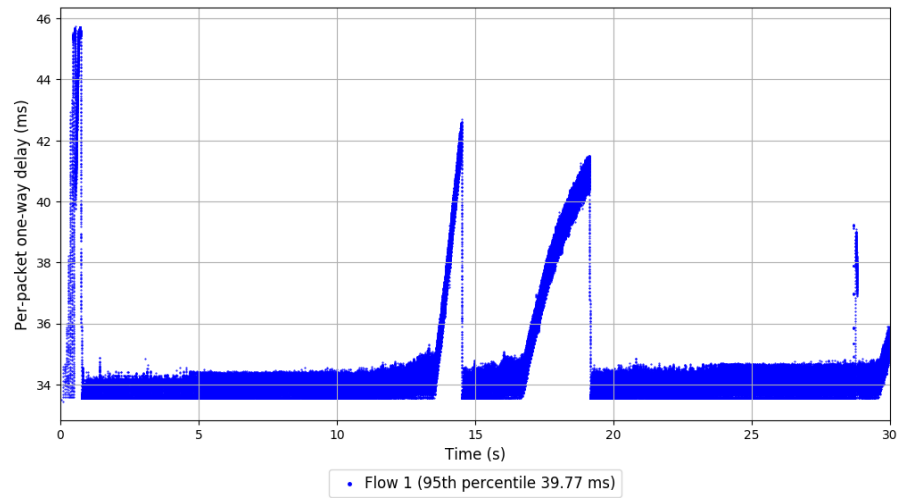
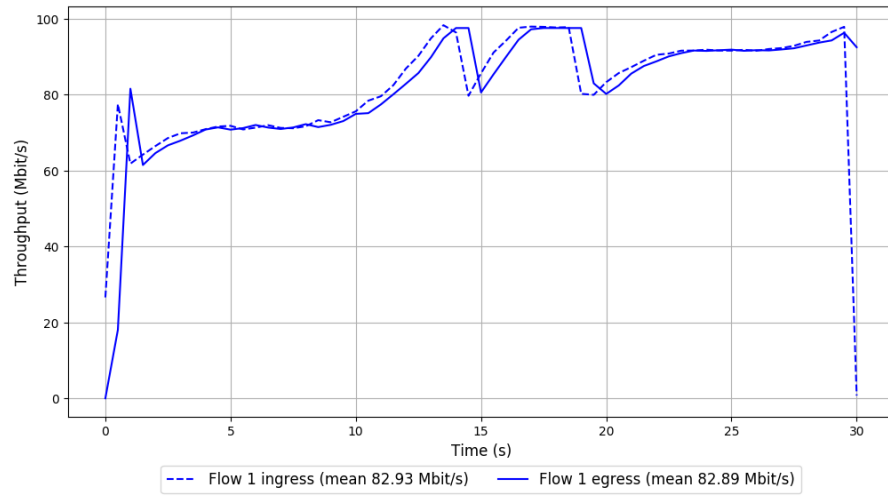


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 11:16:59
End at: 2018-08-22 11:17:29
Local clock offset: 1.13 ms
Remote clock offset: -3.102 ms

Below is generated by plot.py at 2018-08-22 14:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 39.771 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 39.771 ms
Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link

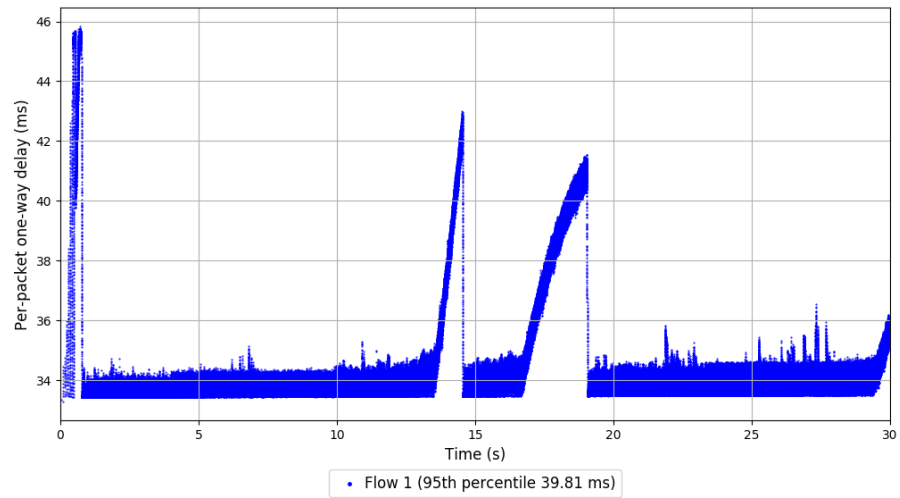
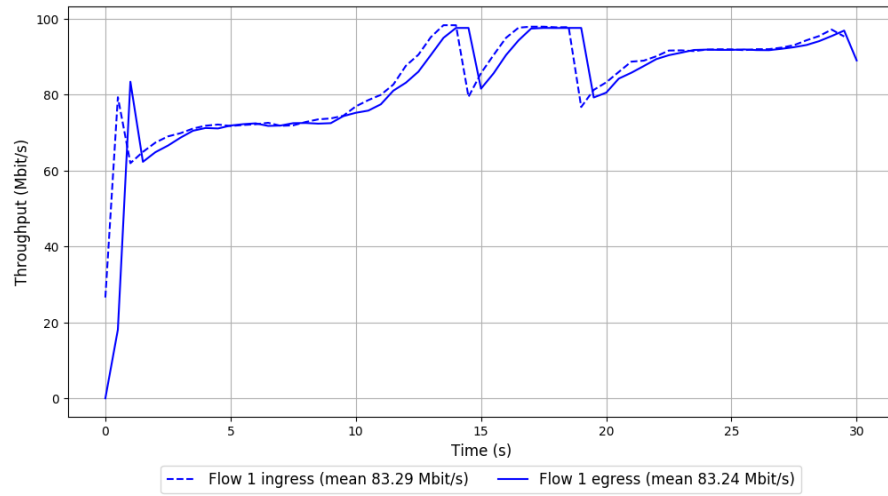


Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 11:39:35
End at: 2018-08-22 11:40:05
Local clock offset: 1.231 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2018-08-22 14:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 39.809 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 39.809 ms
Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

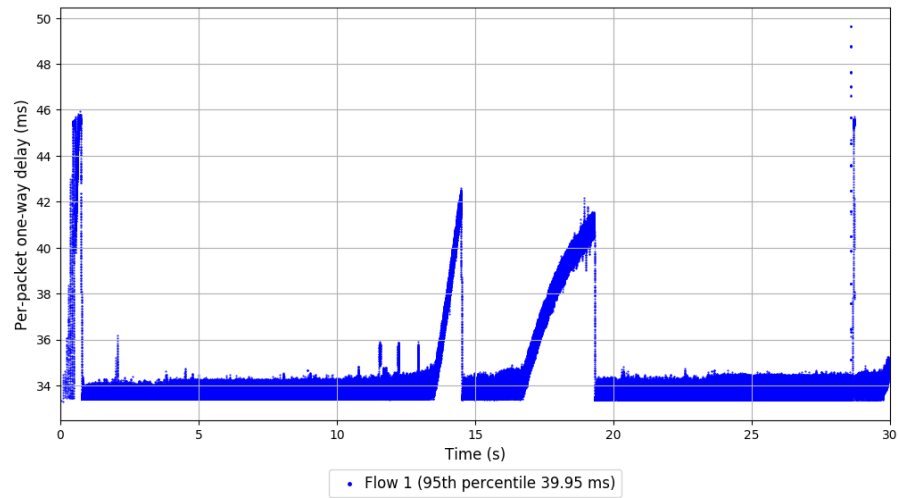
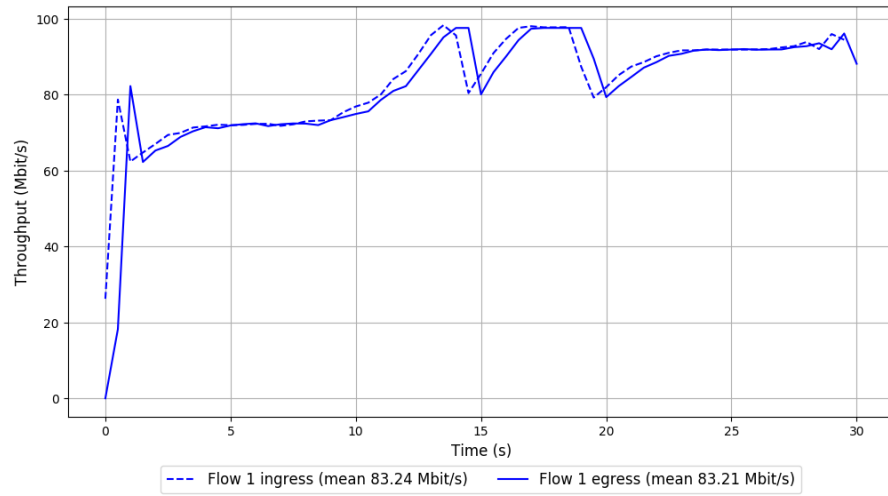


Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 12:02:16
End at: 2018-08-22 12:02:46
Local clock offset: 0.957 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-22 14:52:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 39.949 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 39.949 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 12:24:34

End at: 2018-08-22 12:25:04

Local clock offset: 0.243 ms

Remote clock offset: -1.05 ms

Below is generated by plot.py at 2018-08-22 14:52:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 40.045 ms

Loss rate: 0.26%

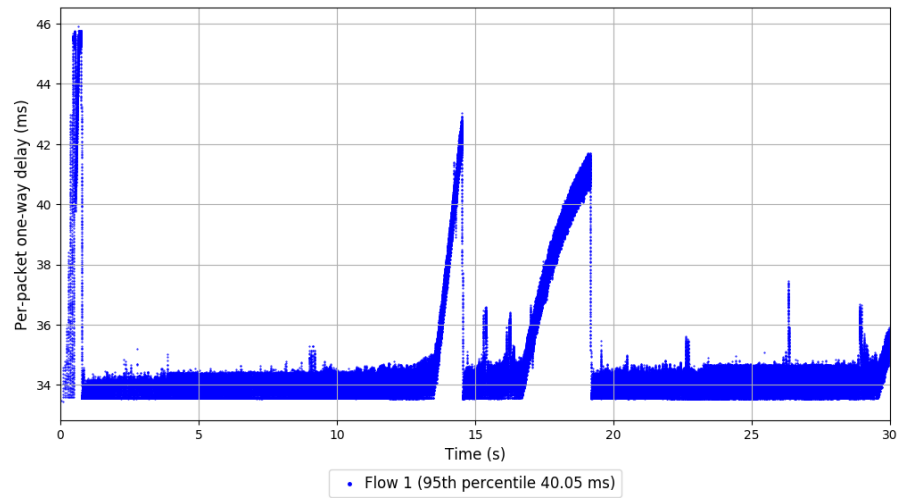
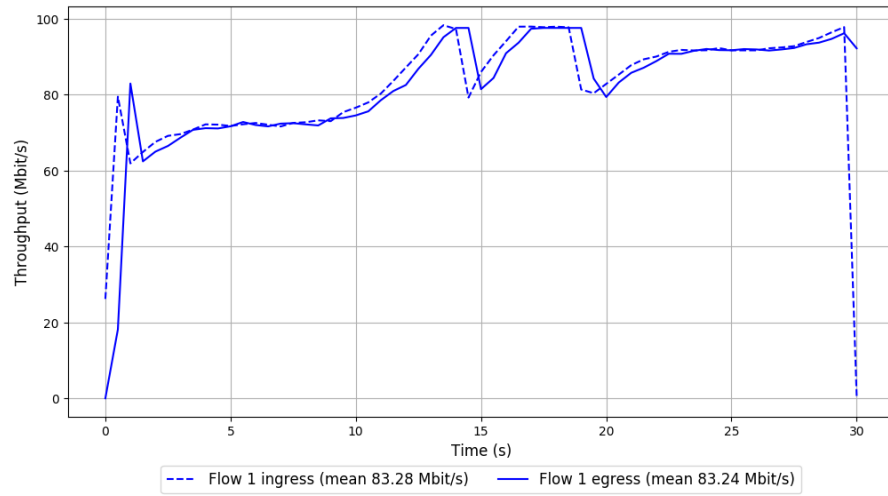
-- Flow 1:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 40.045 ms

Loss rate: 0.26%

Run 4: Report of TCP Cubic — Data Link

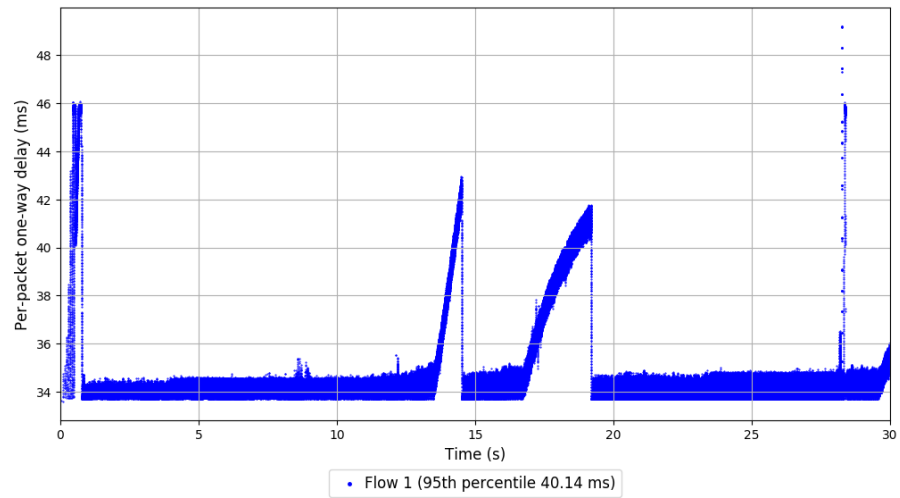
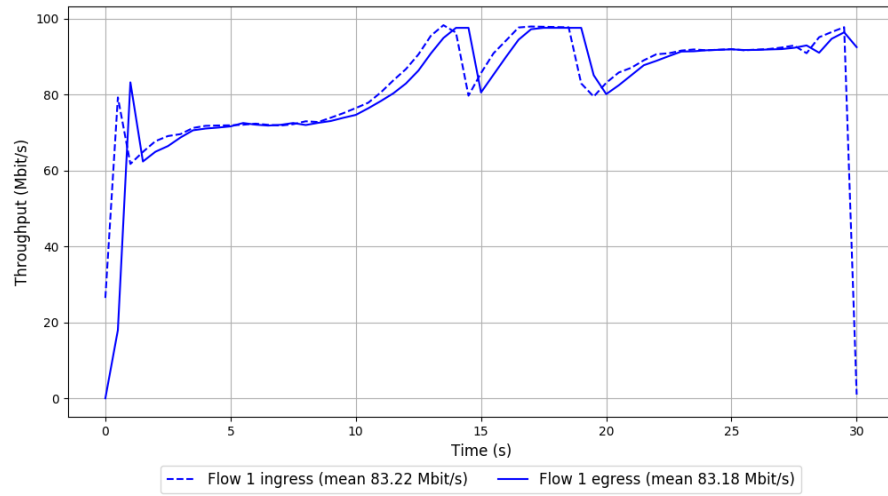


Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 12:47:04
End at: 2018-08-22 12:47:34
Local clock offset: 0.255 ms
Remote clock offset: -1.697 ms

Below is generated by plot.py at 2018-08-22 14:52:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 40.143 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 40.143 ms
Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link

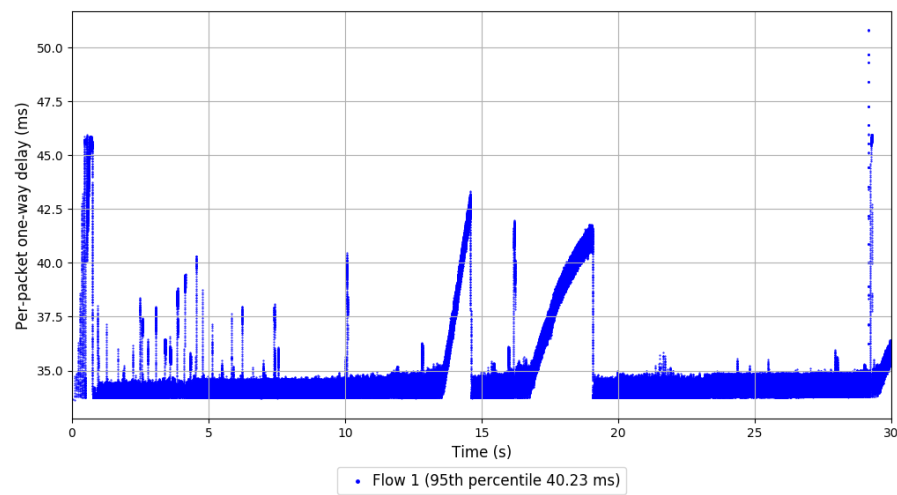
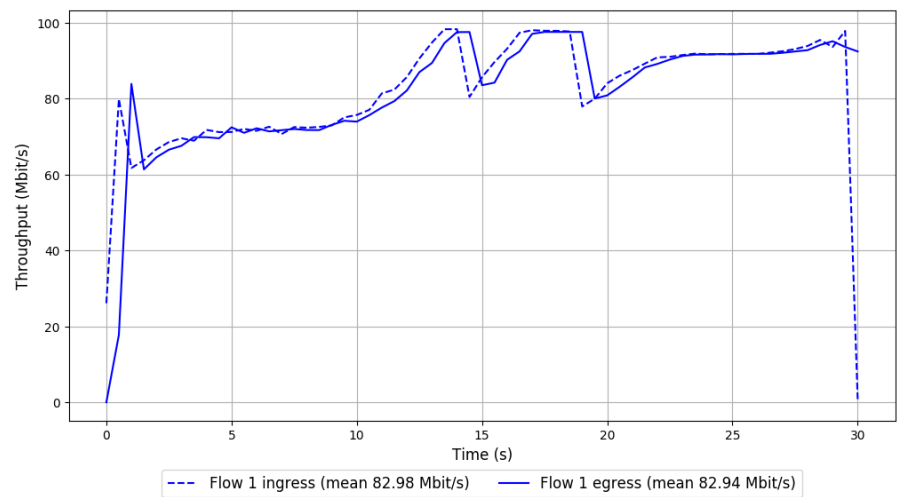


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 13:09:29
End at: 2018-08-22 13:09:59
Local clock offset: 0.33 ms
Remote clock offset: -2.287 ms

Below is generated by plot.py at 2018-08-22 14:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 40.232 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 40.232 ms
Loss rate: 0.27%

Run 6: Report of TCP Cubic — Data Link

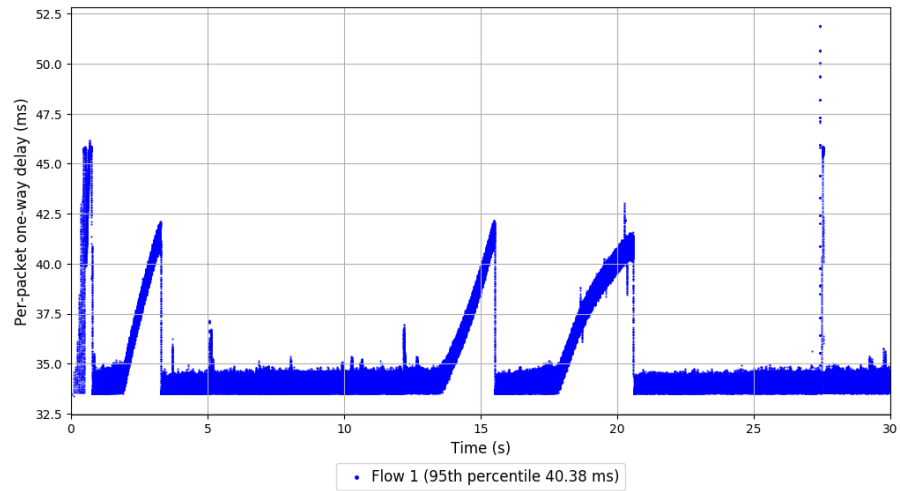
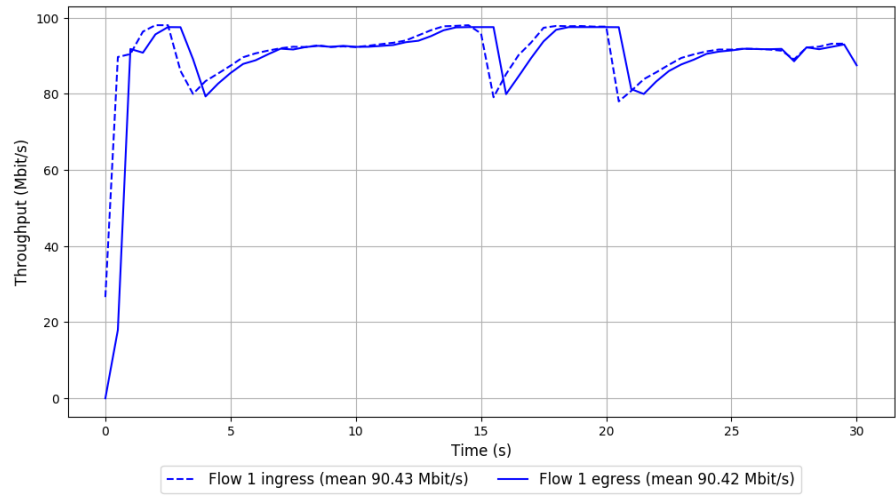


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 13:31:49
End at: 2018-08-22 13:32:19
Local clock offset: 0.202 ms
Remote clock offset: -0.728 ms

Below is generated by plot.py at 2018-08-22 14:52:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 40.376 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.42 Mbit/s
95th percentile per-packet one-way delay: 40.376 ms
Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

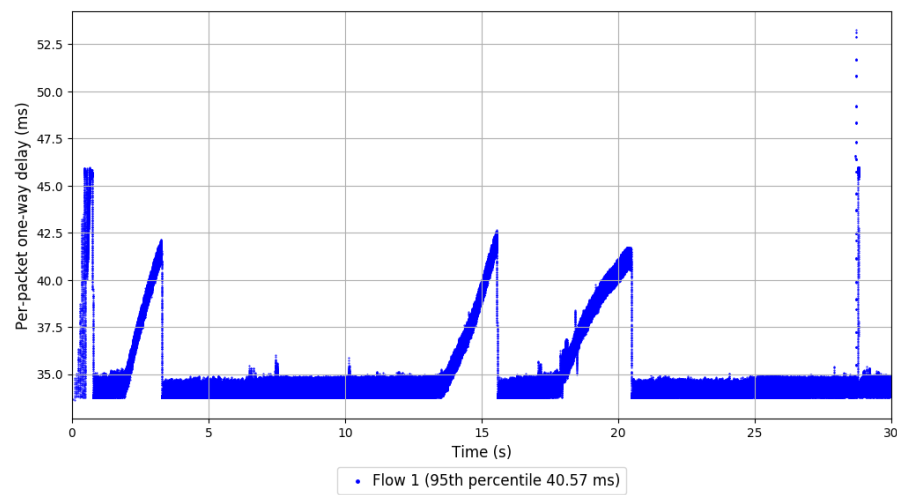
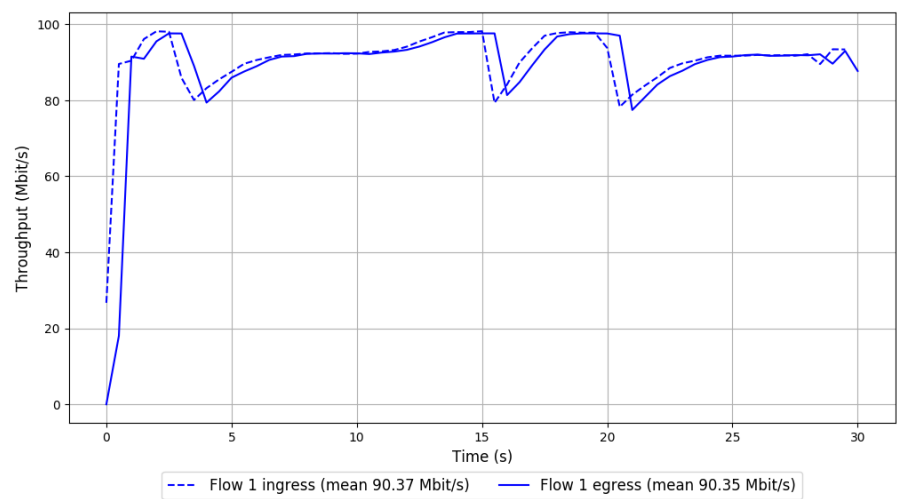


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 13:54:12
End at: 2018-08-22 13:54:42
Local clock offset: 0.229 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-08-22 14:53:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 40.568 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 40.568 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 14:16:30

End at: 2018-08-22 14:17:00

Local clock offset: 0.202 ms

Remote clock offset: 0.46 ms

Below is generated by plot.py at 2018-08-22 14:53:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.35 Mbit/s

95th percentile per-packet one-way delay: 40.563 ms

Loss rate: 0.23%

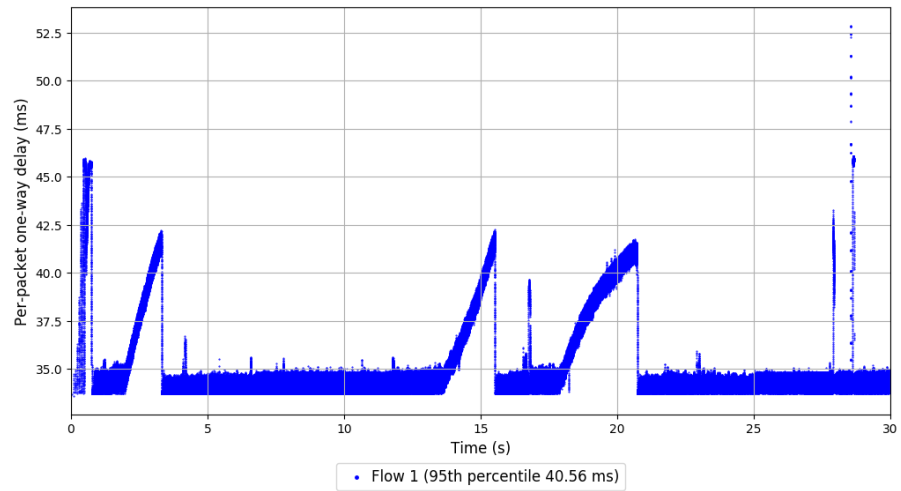
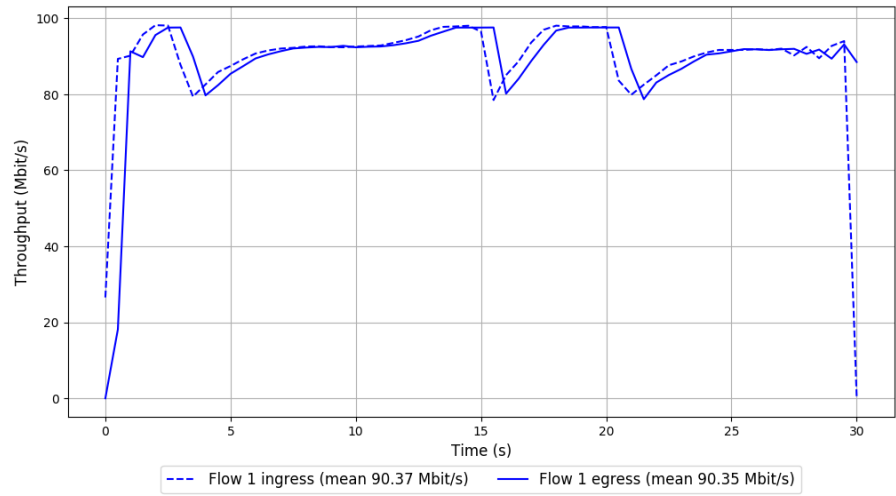
-- Flow 1:

Average throughput: 90.35 Mbit/s

95th percentile per-packet one-way delay: 40.563 ms

Loss rate: 0.23%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 14:38:51

End at: 2018-08-22 14:39:21

Local clock offset: 0.233 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2018-08-22 14:53:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 39.876 ms

Loss rate: 0.26%

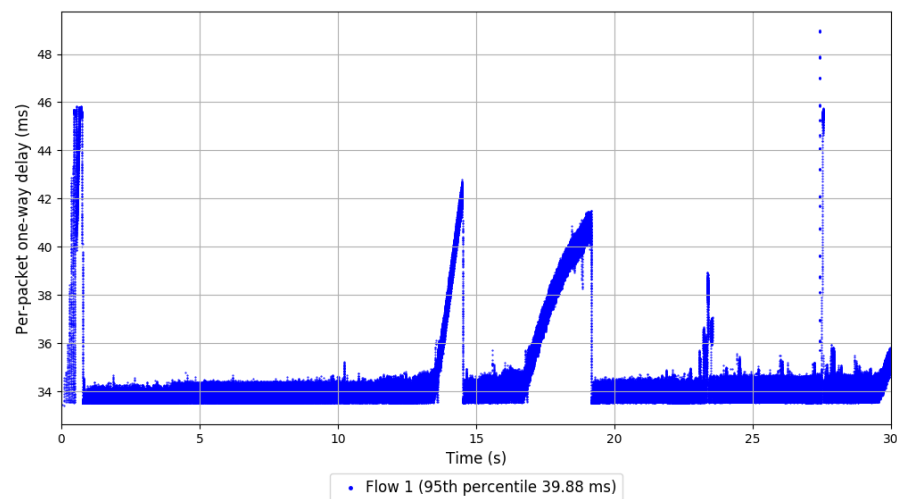
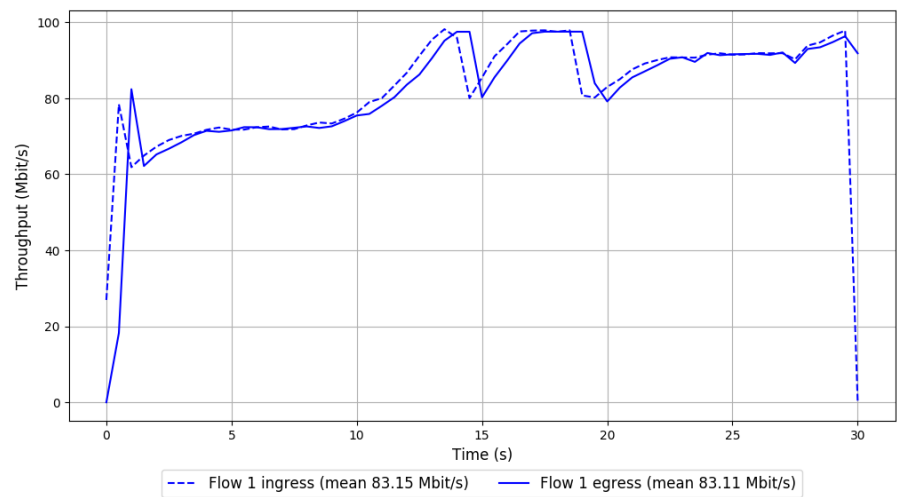
-- Flow 1:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 39.876 ms

Loss rate: 0.26%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-22 11:03:53

End at: 2018-08-22 11:04:23

Local clock offset: 1.548 ms

Remote clock offset: -2.574 ms

Below is generated by plot.py at 2018-08-22 14:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 43.856 ms

Loss rate: 0.25%

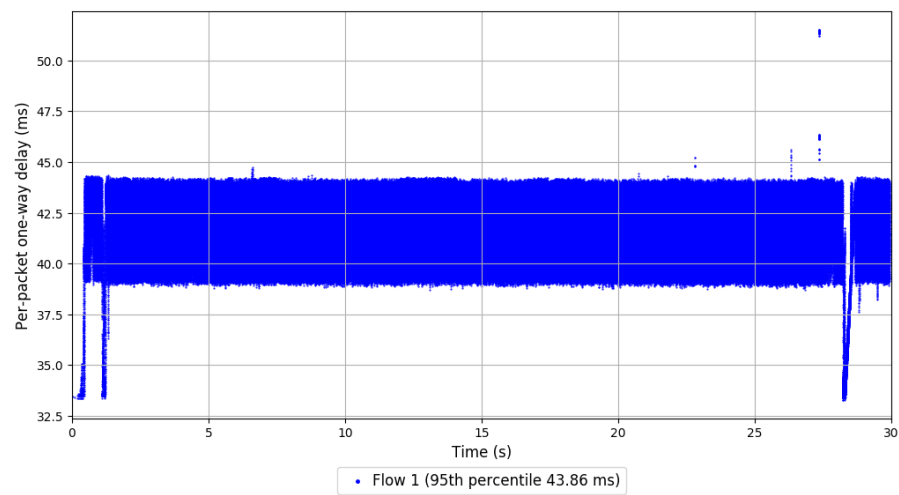
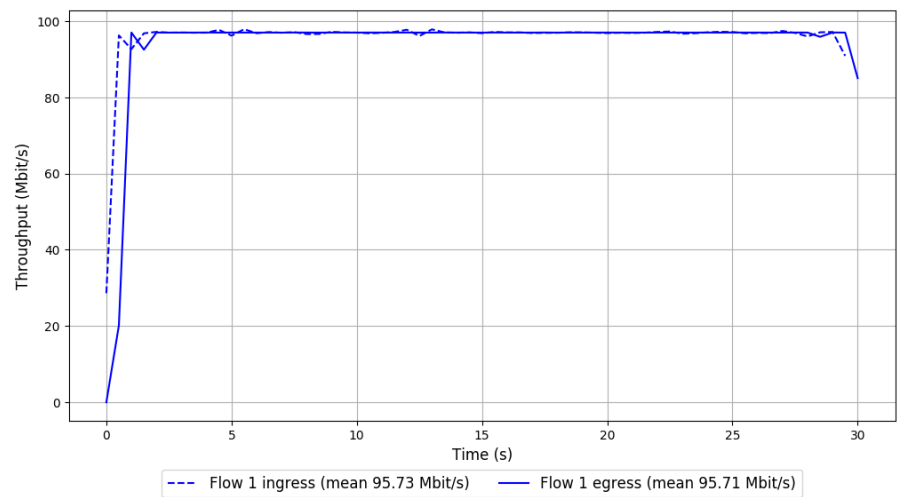
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 43.856 ms

Loss rate: 0.25%

Run 1: Report of FillP — Data Link

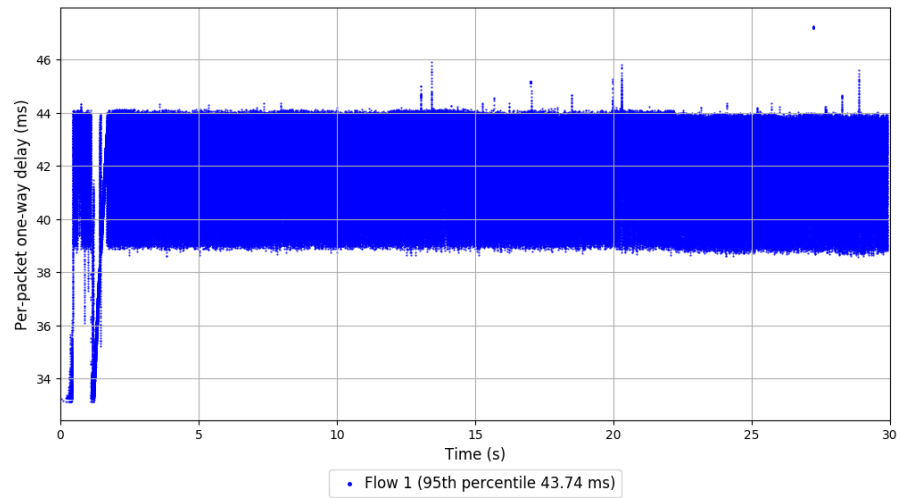
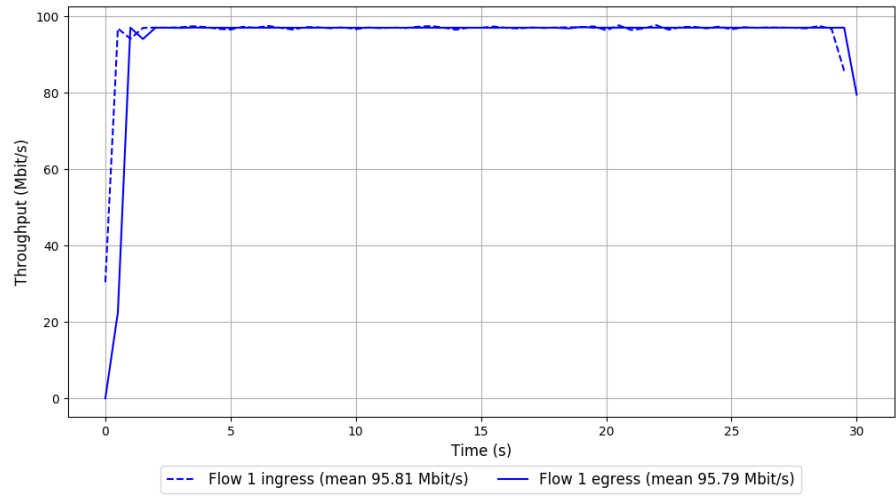


Run 2: Statistics of FillP

Start at: 2018-08-22 11:26:12
End at: 2018-08-22 11:26:42
Local clock offset: 1.057 ms
Remote clock offset: -3.128 ms

Below is generated by plot.py at 2018-08-22 14:54:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 43.744 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 43.744 ms
Loss rate: 0.25%

Run 2: Report of FillP — Data Link

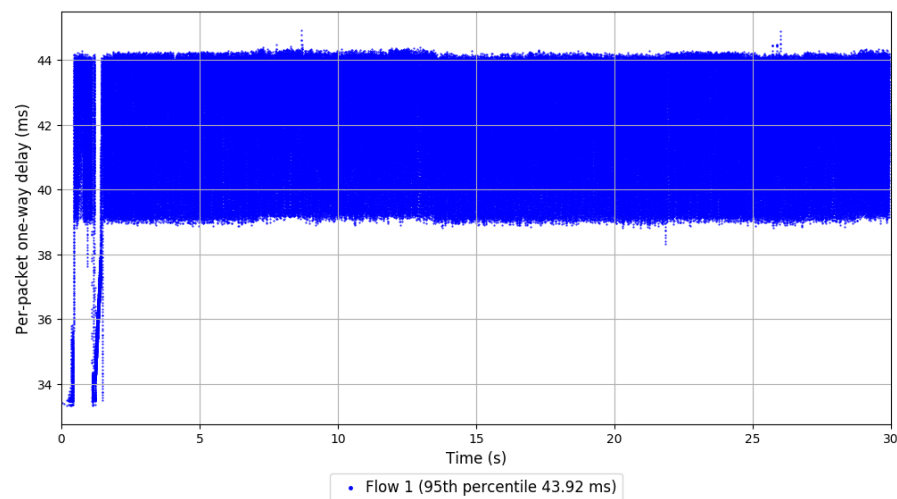
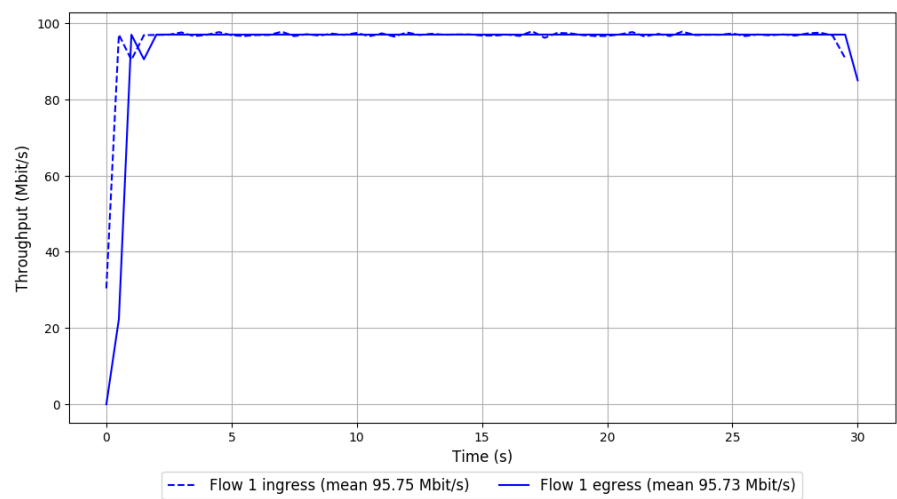


Run 3: Statistics of FillP

Start at: 2018-08-22 11:49:06
End at: 2018-08-22 11:49:36
Local clock offset: 0.882 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-08-22 14:54:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 43.923 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 43.923 ms
Loss rate: 0.25%

Run 3: Report of FillP — Data Link

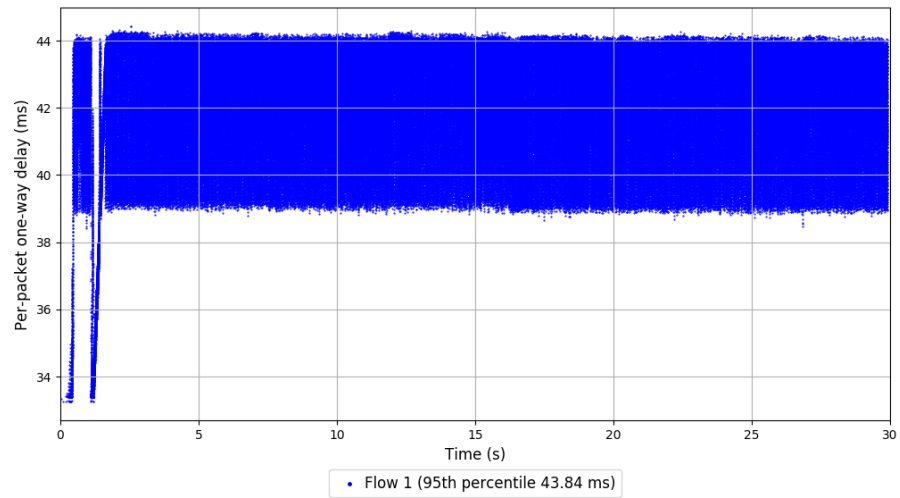
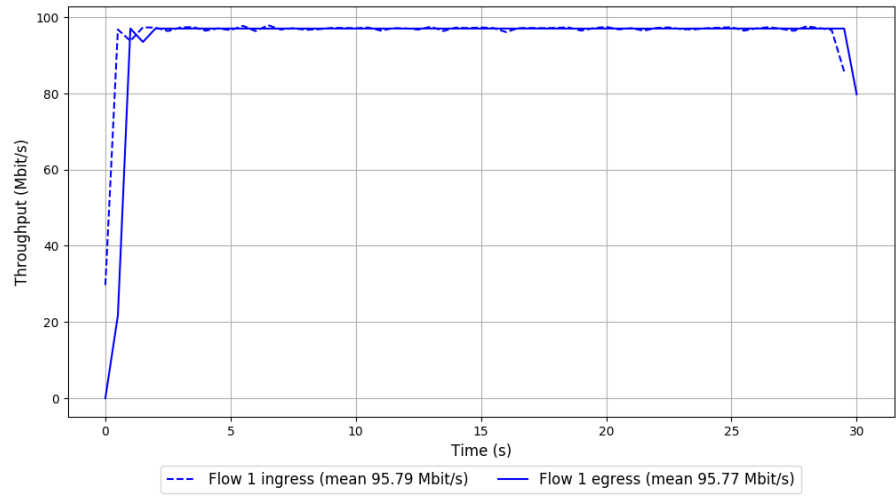


Run 4: Statistics of FillP

Start at: 2018-08-22 12:11:28
End at: 2018-08-22 12:11:58
Local clock offset: 0.543 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2018-08-22 14:54:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 43.843 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 43.843 ms
Loss rate: 0.24%

Run 4: Report of FillP — Data Link

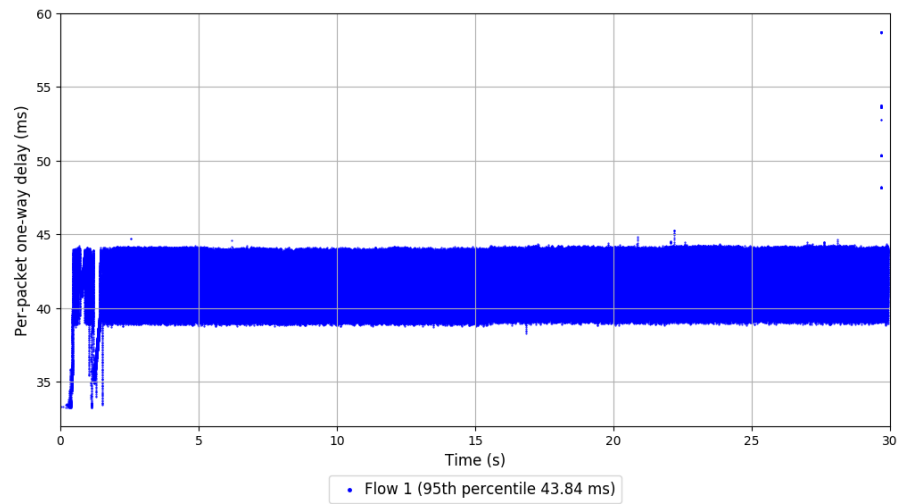
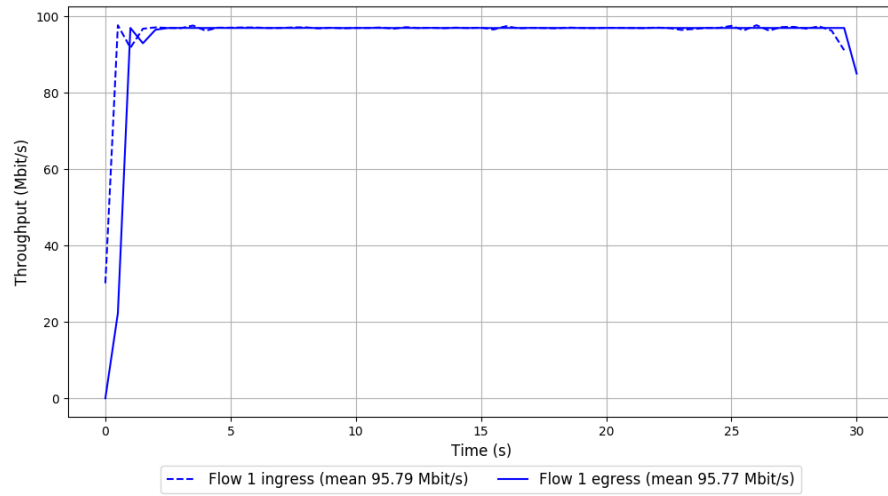


Run 5: Statistics of FillP

Start at: 2018-08-22 12:33:54
End at: 2018-08-22 12:34:24
Local clock offset: 0.192 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2018-08-22 14:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 43.837 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 43.837 ms
Loss rate: 0.24%

Run 5: Report of FillP — Data Link

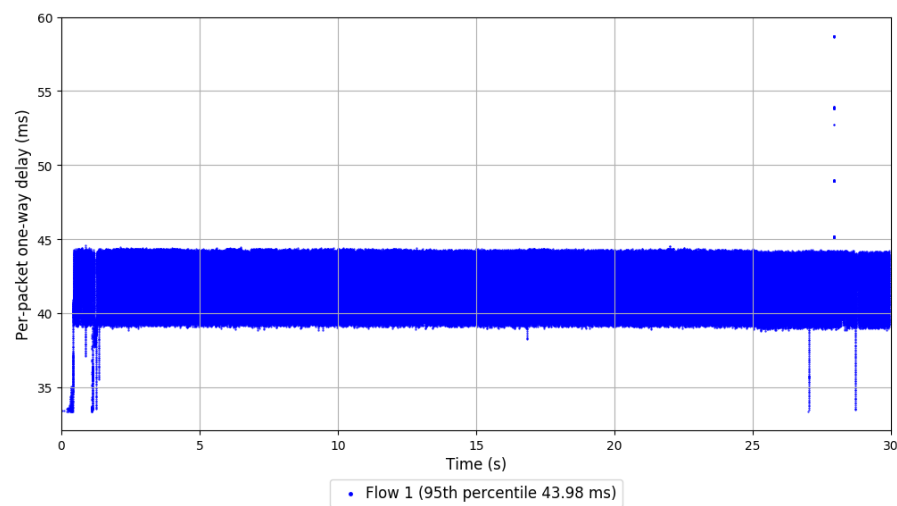
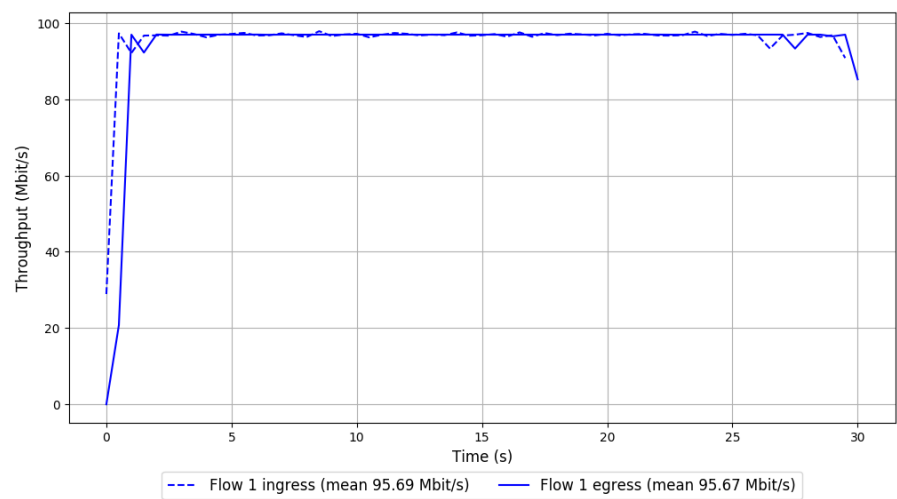


Run 6: Statistics of FillP

Start at: 2018-08-22 12:56:19
End at: 2018-08-22 12:56:49
Local clock offset: 0.3 ms
Remote clock offset: -1.807 ms

Below is generated by plot.py at 2018-08-22 14:54:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 43.985 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 43.985 ms
Loss rate: 0.24%

Run 6: Report of FillP — Data Link

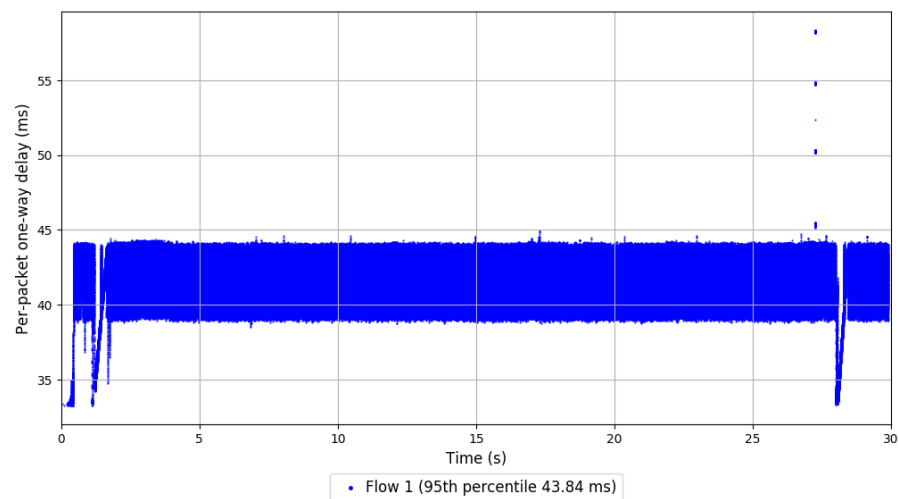
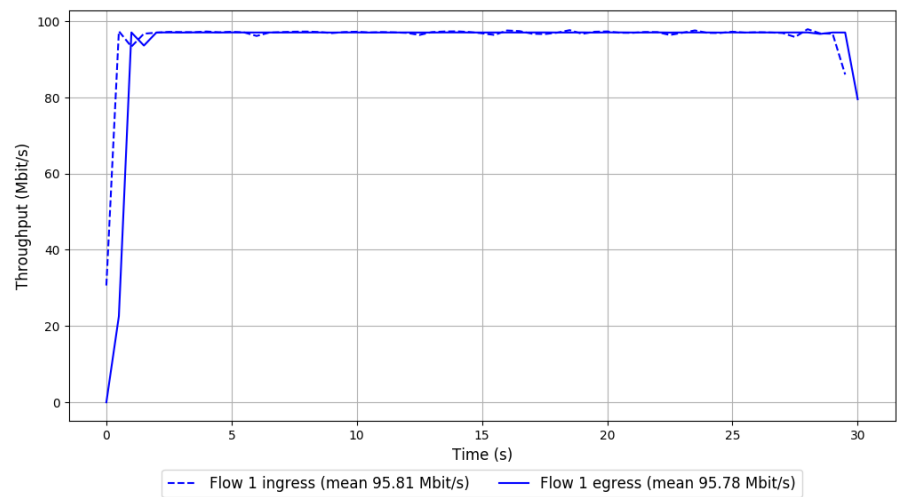


Run 7: Statistics of FillP

Start at: 2018-08-22 13:18:43
End at: 2018-08-22 13:19:13
Local clock offset: 0.248 ms
Remote clock offset: -1.075 ms

Below is generated by plot.py at 2018-08-22 14:54:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 43.839 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 43.839 ms
Loss rate: 0.25%

Run 7: Report of FillP — Data Link

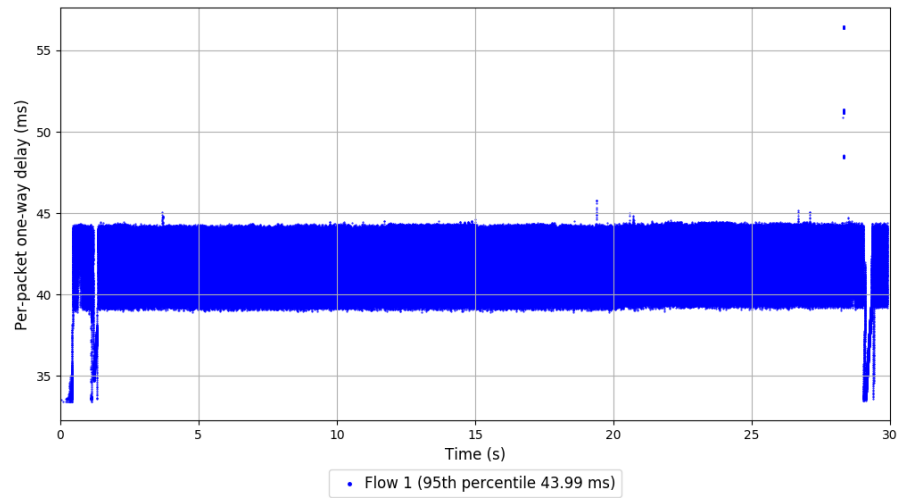
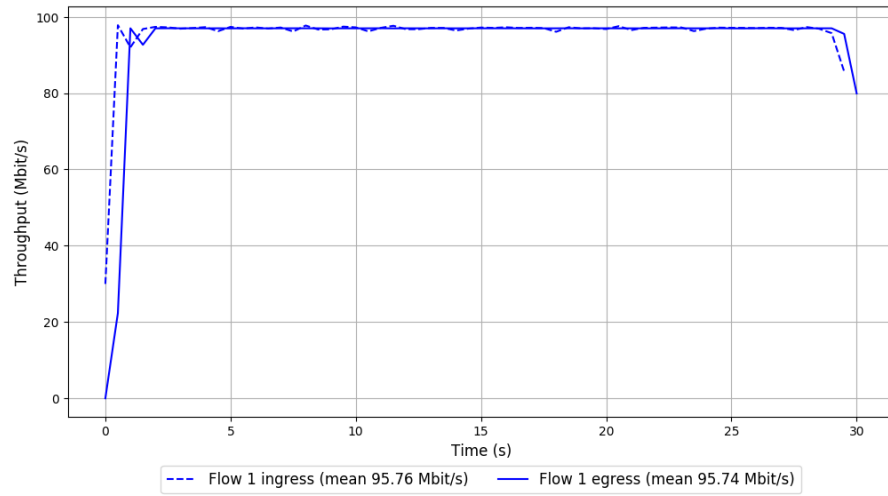


Run 8: Statistics of FillP

Start at: 2018-08-22 13:41:05
End at: 2018-08-22 13:41:35
Local clock offset: 0.224 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-08-22 14:54:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.987 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.987 ms
Loss rate: 0.25%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-22 14:03:26

End at: 2018-08-22 14:03:56

Local clock offset: 0.235 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-08-22 14:55:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 43.951 ms

Loss rate: 0.24%

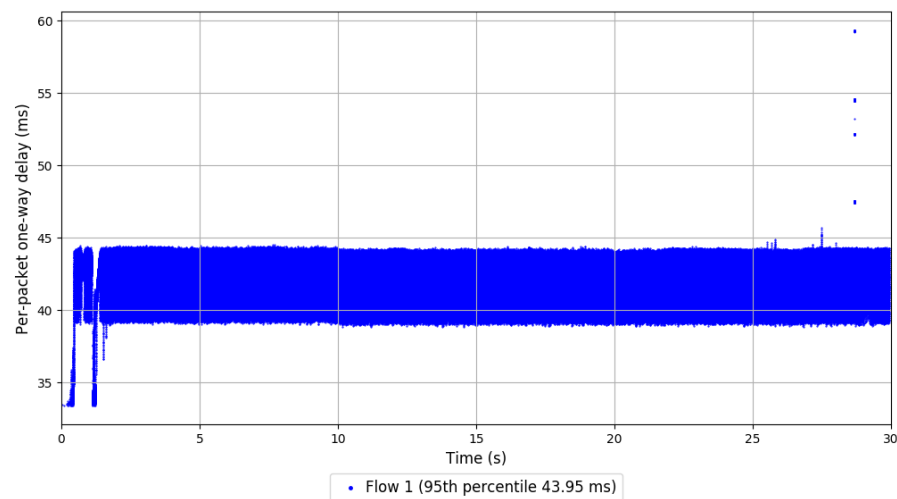
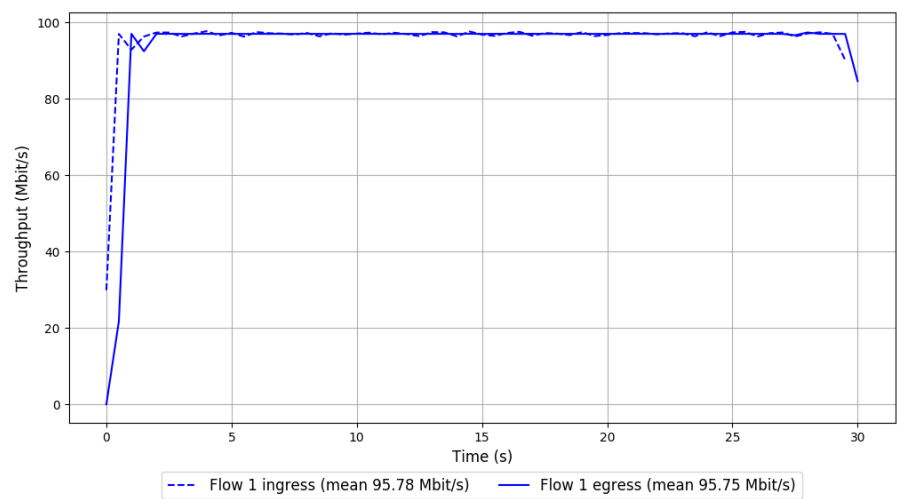
-- Flow 1:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 43.951 ms

Loss rate: 0.24%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-22 14:25:45

End at: 2018-08-22 14:26:15

Local clock offset: 0.206 ms

Remote clock offset: 0.491 ms

Below is generated by plot.py at 2018-08-22 14:55:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 43.839 ms

Loss rate: 0.25%

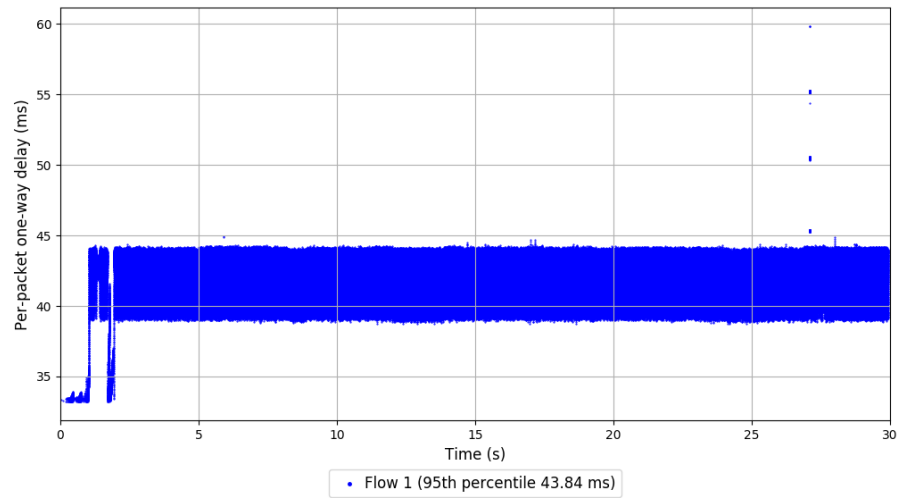
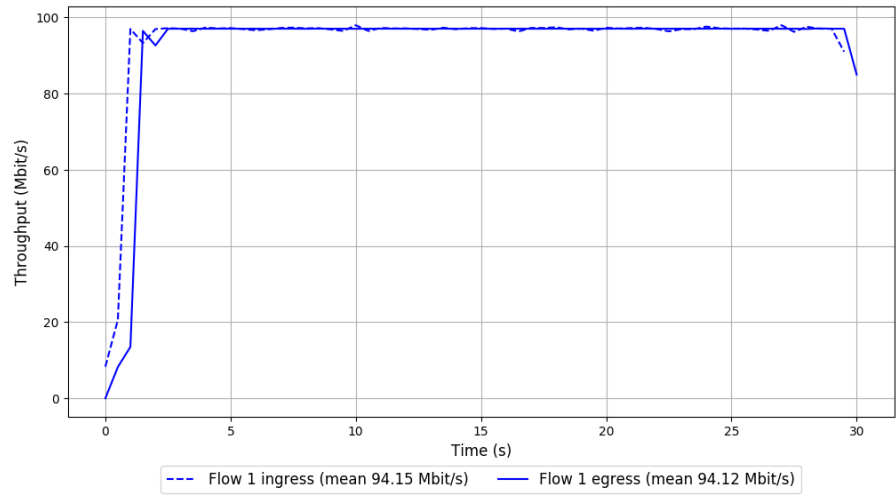
-- Flow 1:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 43.839 ms

Loss rate: 0.25%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 11:20:57

End at: 2018-08-22 11:21:27

Local clock offset: 1.091 ms

Remote clock offset: -3.144 ms

Below is generated by plot.py at 2018-08-22 14:55:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 43.870 ms

Loss rate: 0.26%

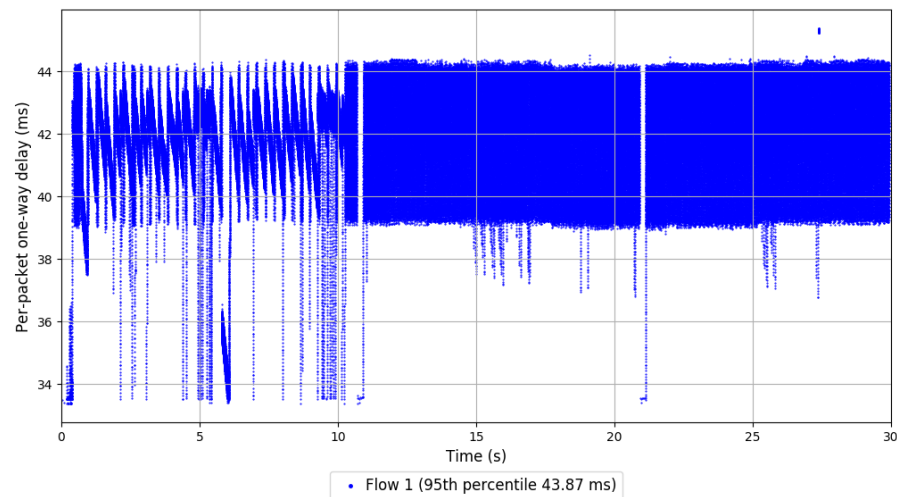
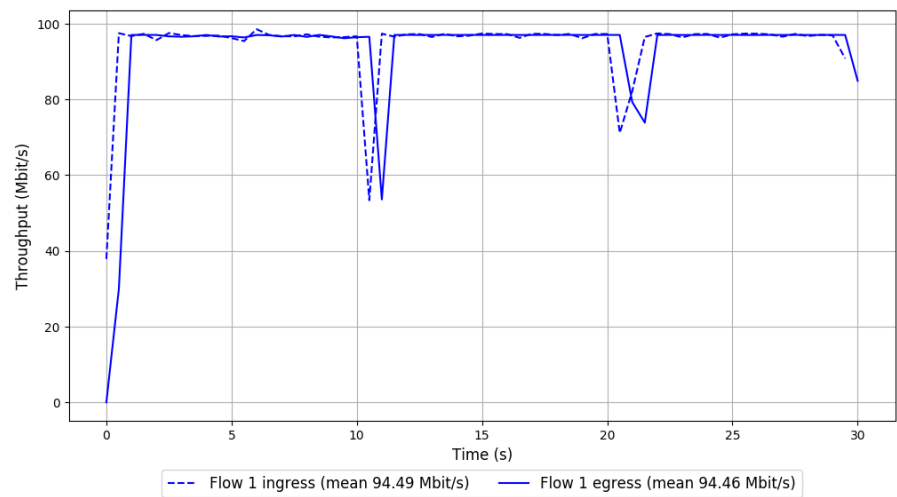
-- Flow 1:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 43.870 ms

Loss rate: 0.26%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 11:43:43

End at: 2018-08-22 11:44:13

Local clock offset: 0.994 ms

Remote clock offset: -0.75 ms

Below is generated by plot.py at 2018-08-22 14:55:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 43.770 ms

Loss rate: 0.27%

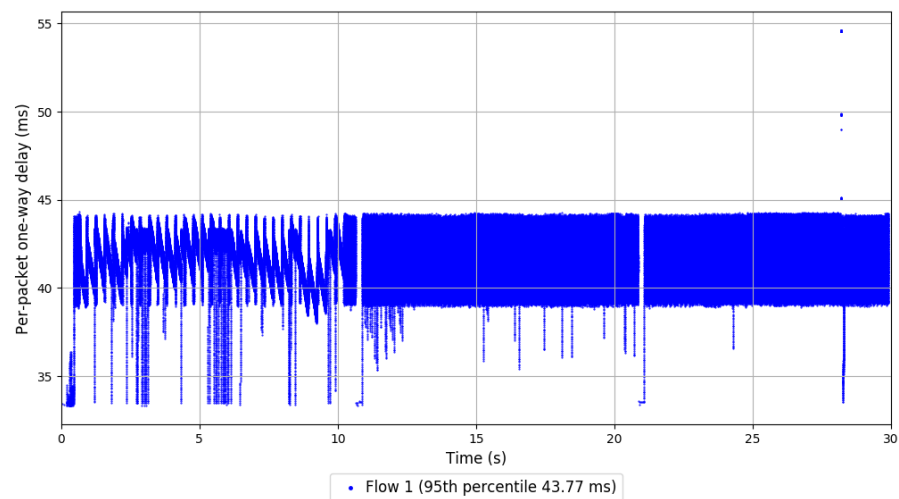
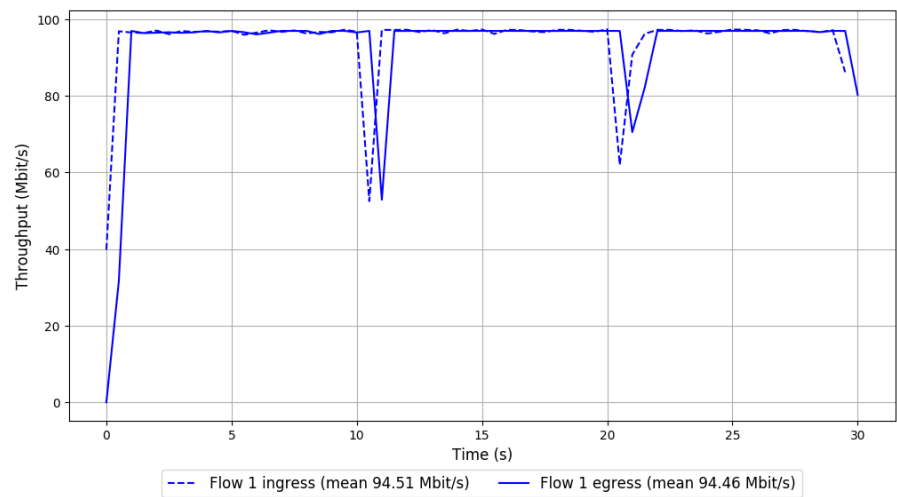
-- Flow 1:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 43.770 ms

Loss rate: 0.27%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 12:06:14

End at: 2018-08-22 12:06:44

Local clock offset: 0.914 ms

Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-08-22 14:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 43.636 ms

Loss rate: 0.27%

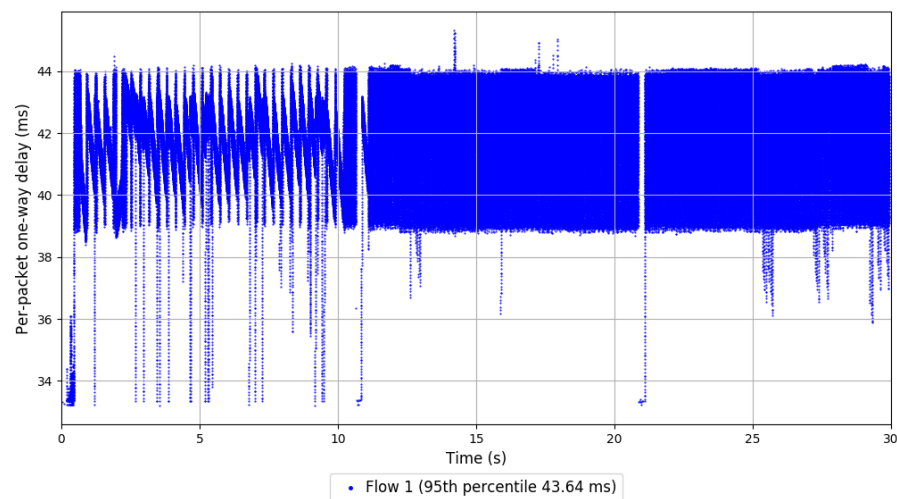
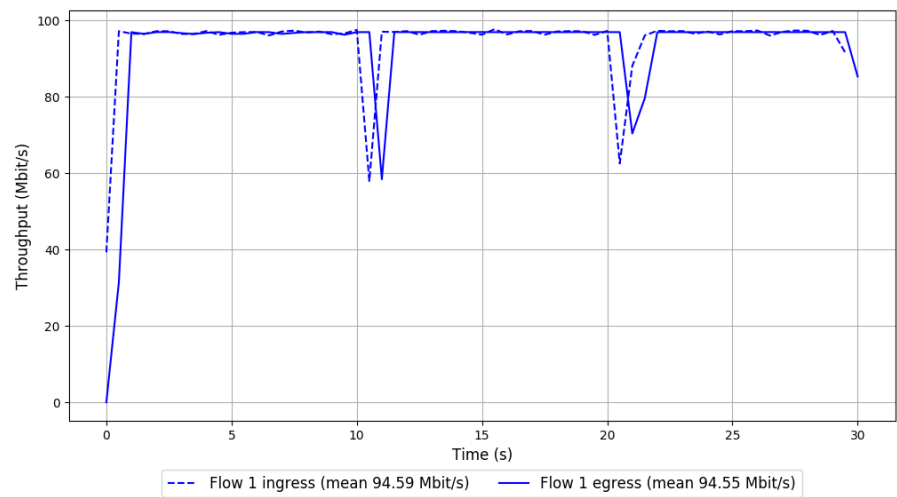
-- Flow 1:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 43.636 ms

Loss rate: 0.27%

Run 3: Report of FillP-Sheep — Data Link

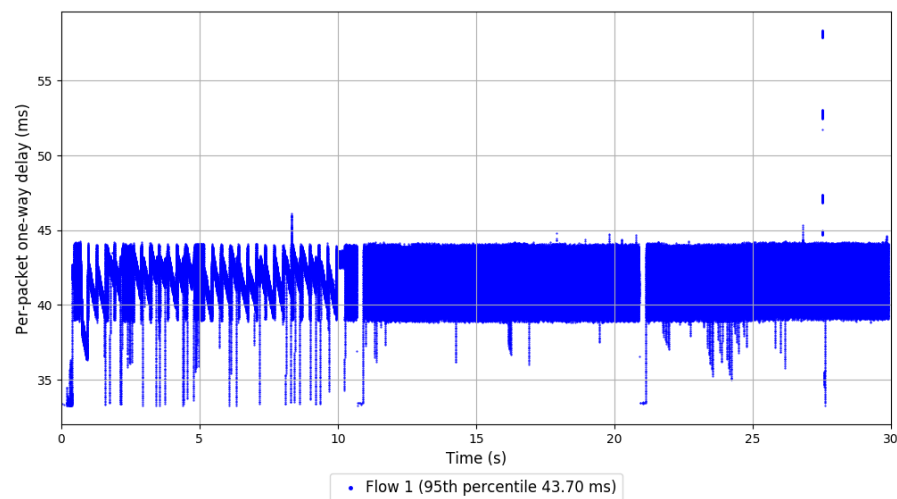
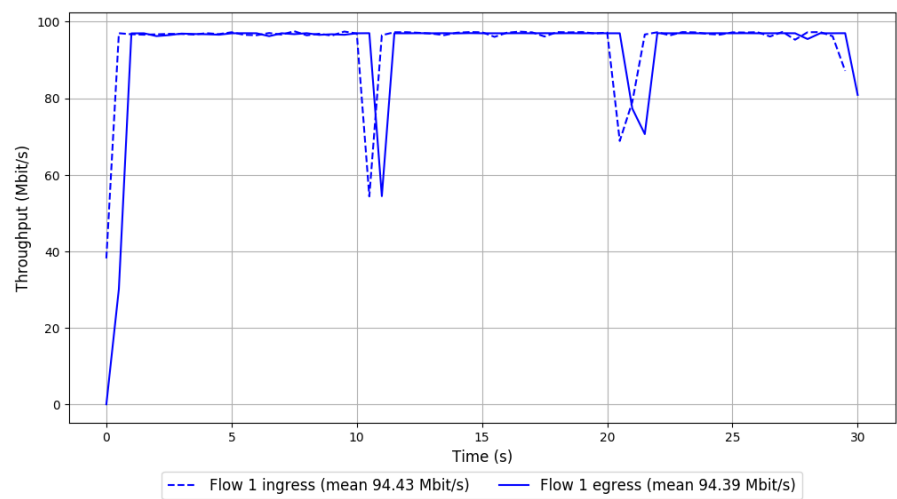


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 12:28:33
End at: 2018-08-22 12:29:03
Local clock offset: 0.116 ms
Remote clock offset: -1.188 ms

Below is generated by plot.py at 2018-08-22 14:55:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 43.695 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 43.695 ms
Loss rate: 0.26%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 12:51:02

End at: 2018-08-22 12:51:32

Local clock offset: 0.187 ms

Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-08-22 14:55:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 43.701 ms

Loss rate: 0.26%

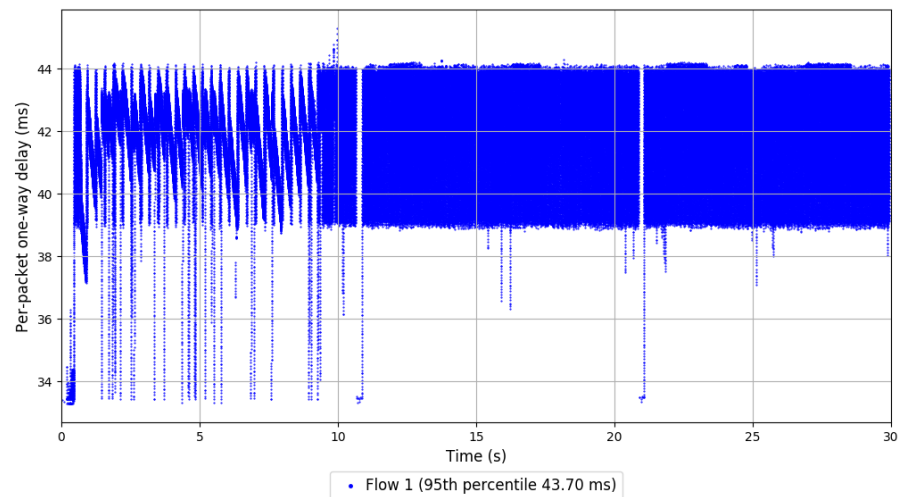
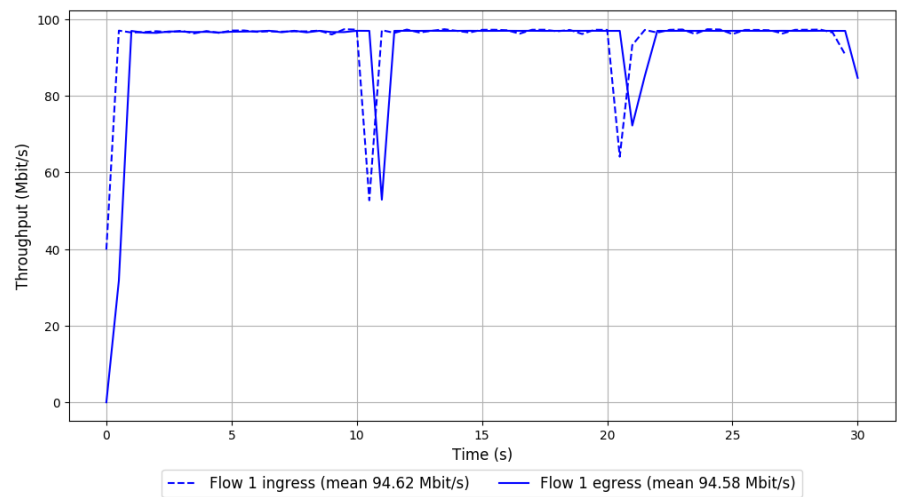
-- Flow 1:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 43.701 ms

Loss rate: 0.26%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 13:13:28

End at: 2018-08-22 13:13:58

Local clock offset: 0.268 ms

Remote clock offset: -1.614 ms

Below is generated by plot.py at 2018-08-22 14:55:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 43.911 ms

Loss rate: 0.25%

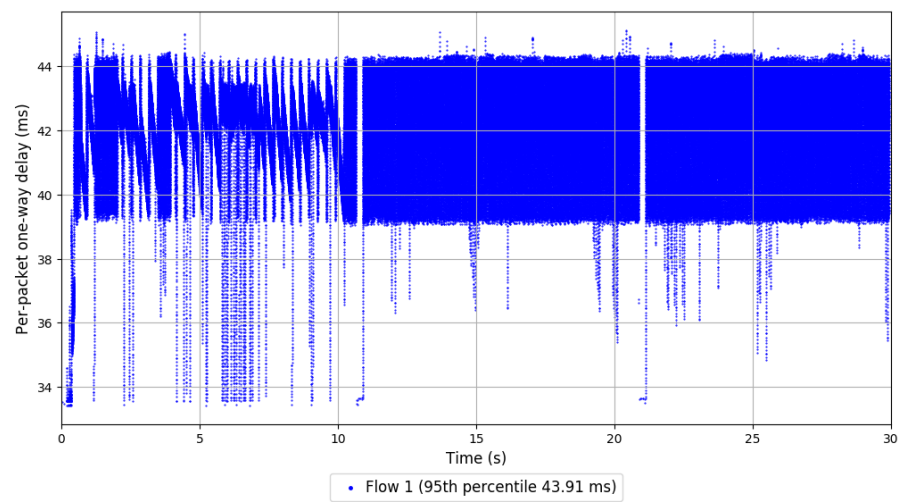
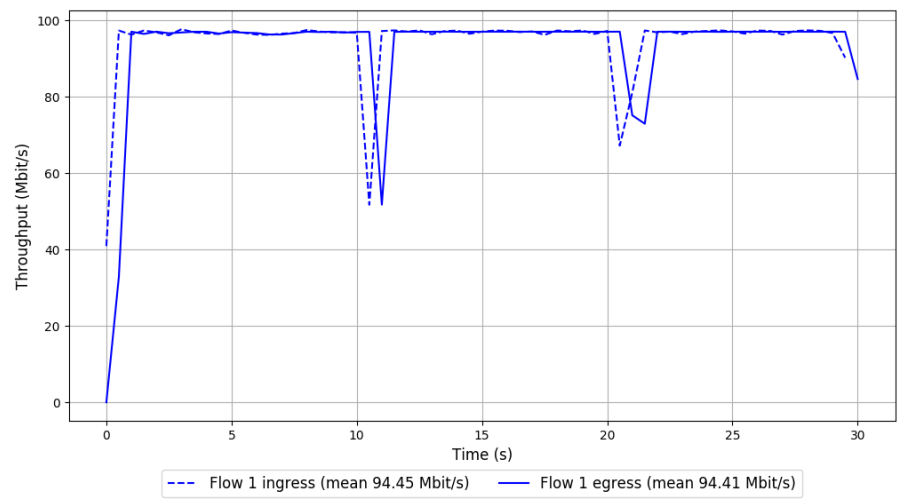
-- Flow 1:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 43.911 ms

Loss rate: 0.25%

Run 6: Report of FillP-Sheep — Data Link

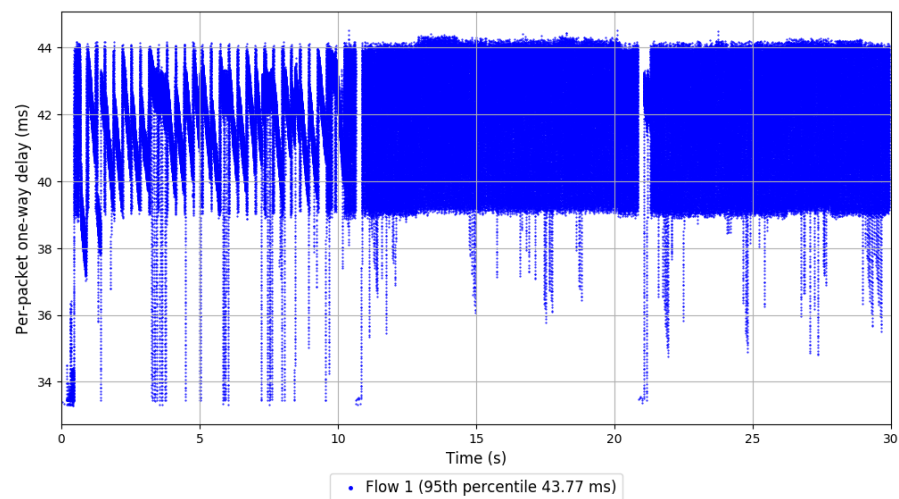
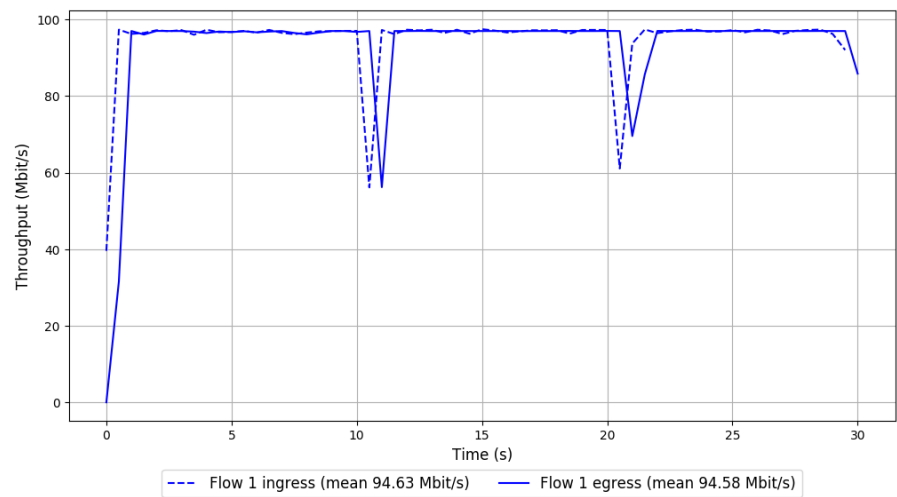


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 13:35:48
End at: 2018-08-22 13:36:18
Local clock offset: 0.21 ms
Remote clock offset: -0.529 ms

Below is generated by plot.py at 2018-08-22 14:56:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 43.768 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 43.768 ms
Loss rate: 0.26%

Run 7: Report of FillP-Sheep — Data Link

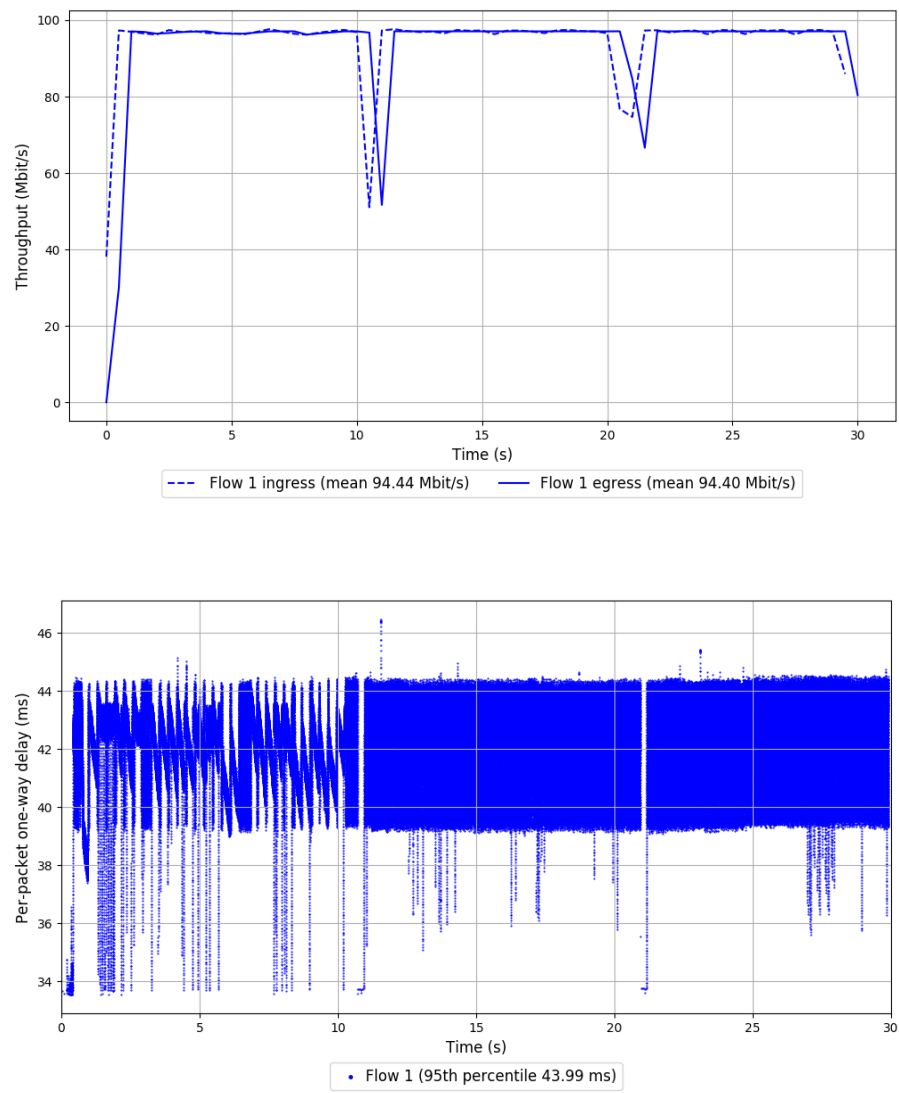


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 13:58:11
End at: 2018-08-22 13:58:41
Local clock offset: 0.221 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-08-22 14:56:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 43.993 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 43.993 ms
Loss rate: 0.26%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 14:20:30

End at: 2018-08-22 14:21:00

Local clock offset: 0.185 ms

Remote clock offset: 0.701 ms

Below is generated by plot.py at 2018-08-22 14:57:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 43.642 ms

Loss rate: 0.26%

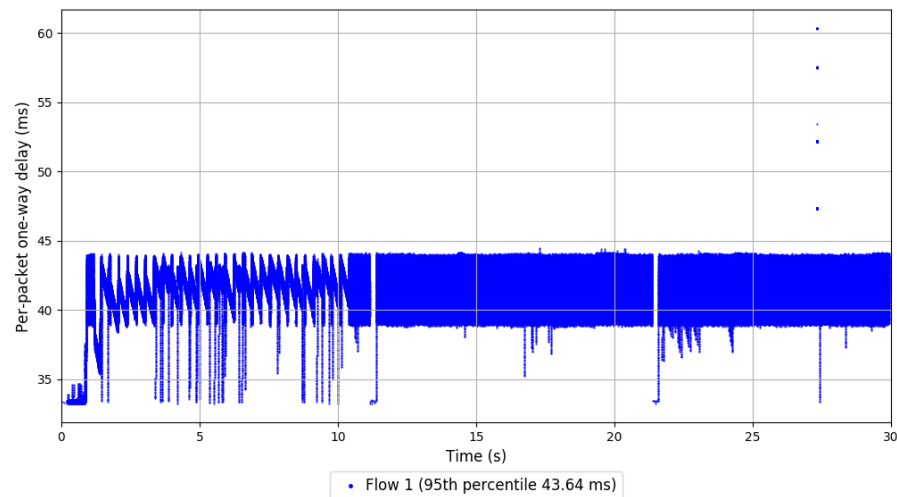
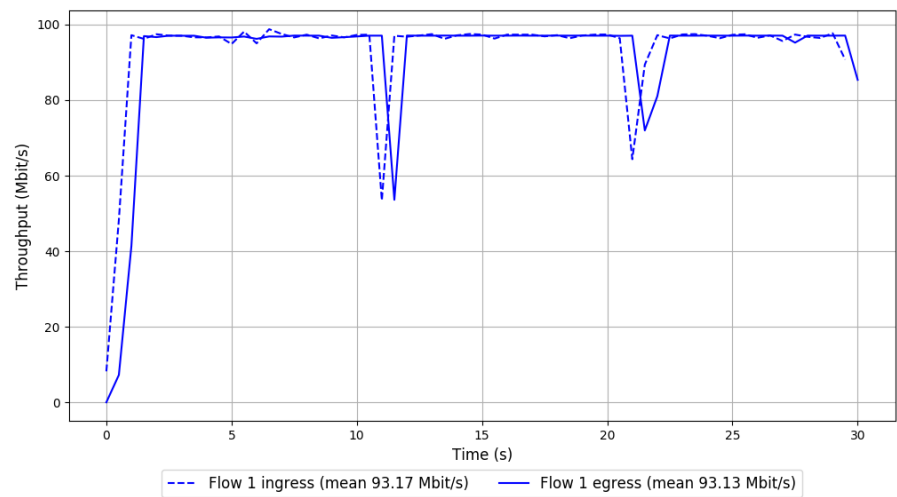
-- Flow 1:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 43.642 ms

Loss rate: 0.26%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 14:42:51

End at: 2018-08-22 14:43:21

Local clock offset: 0.21 ms

Remote clock offset: 0.56 ms

Below is generated by plot.py at 2018-08-22 14:57:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 43.922 ms

Loss rate: 0.27%

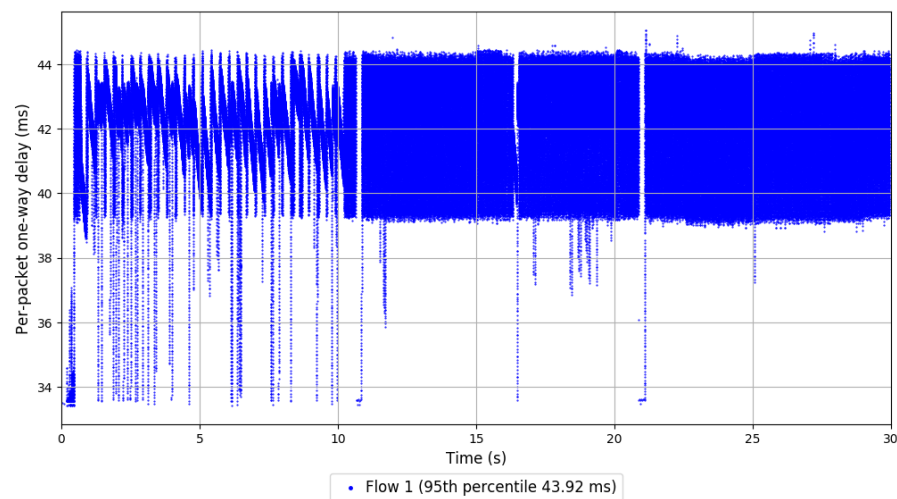
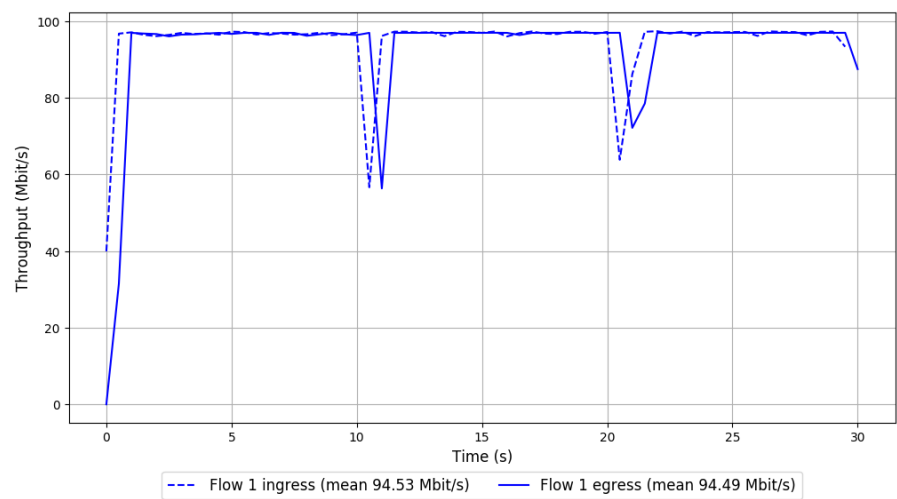
-- Flow 1:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 43.922 ms

Loss rate: 0.27%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-22 11:15:38

End at: 2018-08-22 11:16:08

Local clock offset: 1.076 ms

Remote clock offset: -3.232 ms

Below is generated by plot.py at 2018-08-22 14:57:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 38.340 ms

Loss rate: 0.23%

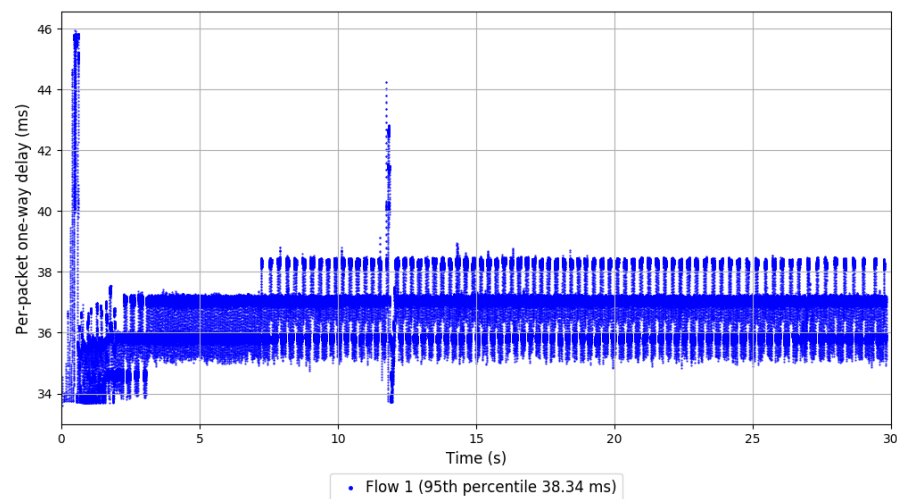
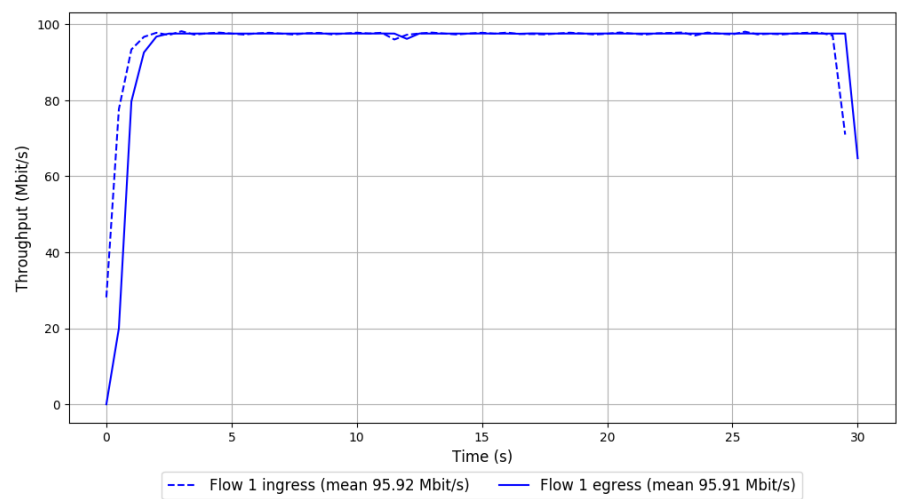
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 38.340 ms

Loss rate: 0.23%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-22 11:38:12

End at: 2018-08-22 11:38:42

Local clock offset: 1.325 ms

Remote clock offset: -1.18 ms

Below is generated by plot.py at 2018-08-22 14:57:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 38.184 ms

Loss rate: 0.23%

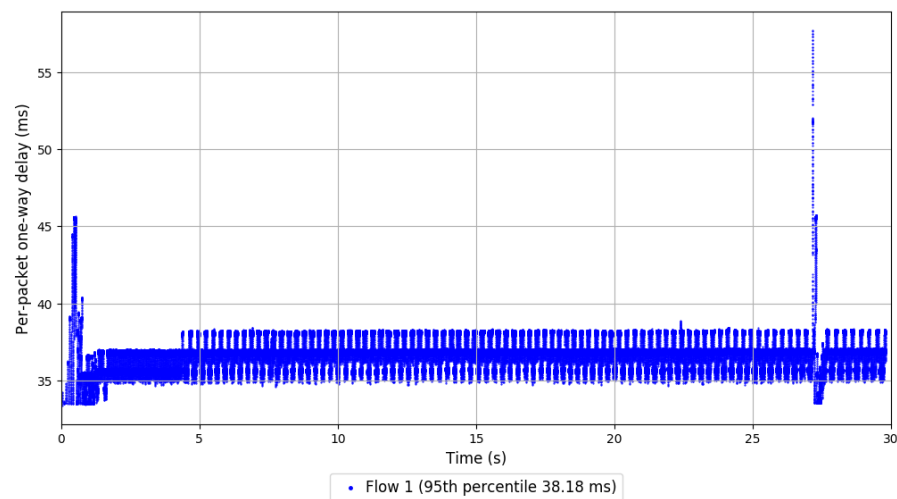
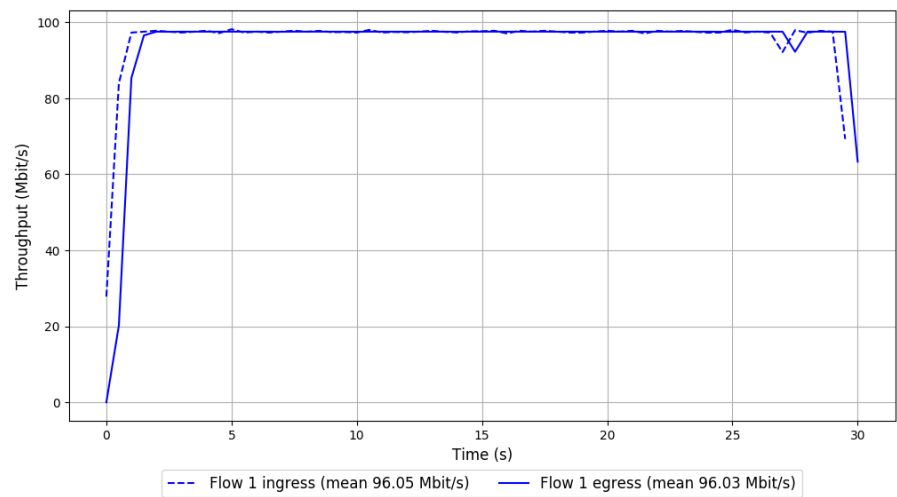
-- Flow 1:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 38.184 ms

Loss rate: 0.23%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-22 12:00:55

End at: 2018-08-22 12:01:25

Local clock offset: 0.826 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-22 14:57:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 38.022 ms

Loss rate: 0.23%

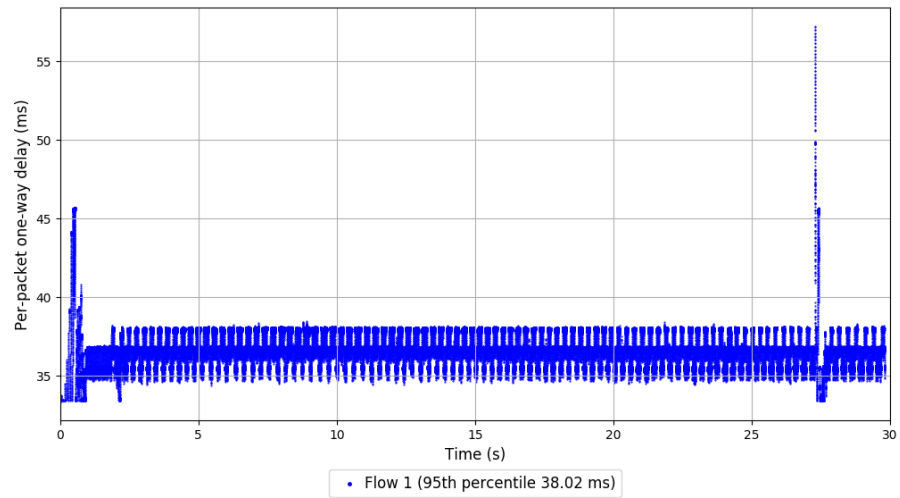
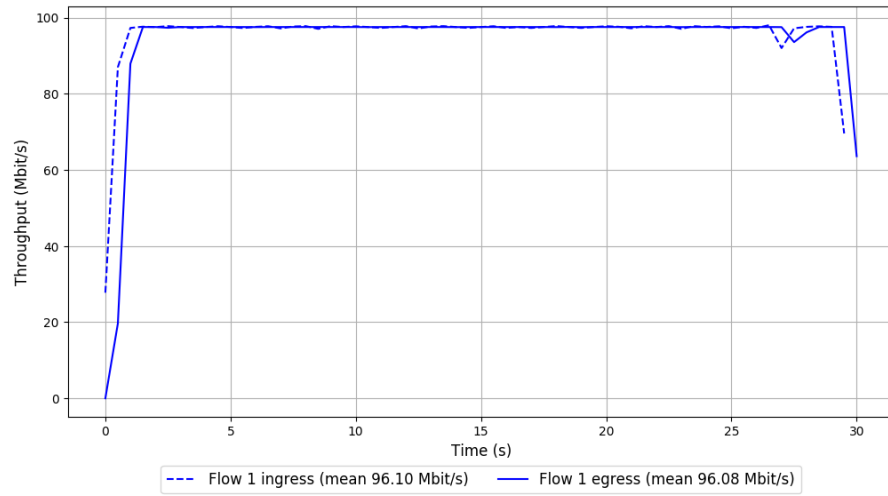
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 38.022 ms

Loss rate: 0.23%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-22 12:23:14

End at: 2018-08-22 12:23:44

Local clock offset: 0.245 ms

Remote clock offset: -1.221 ms

Below is generated by plot.py at 2018-08-22 14:57:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 38.316 ms

Loss rate: 0.23%

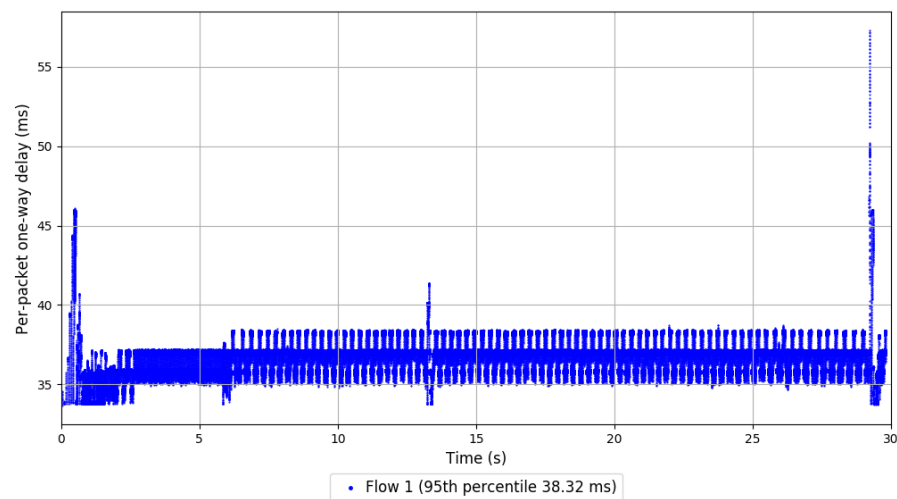
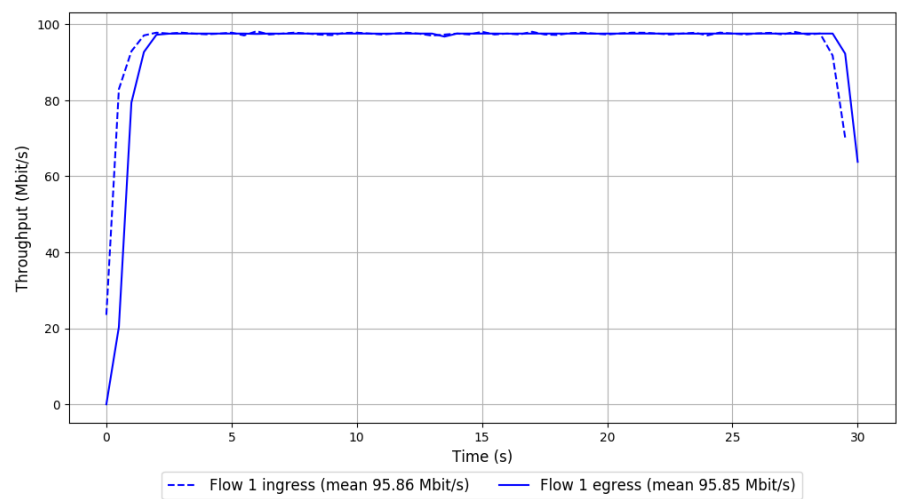
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 38.316 ms

Loss rate: 0.23%

Run 4: Report of Indigo — Data Link

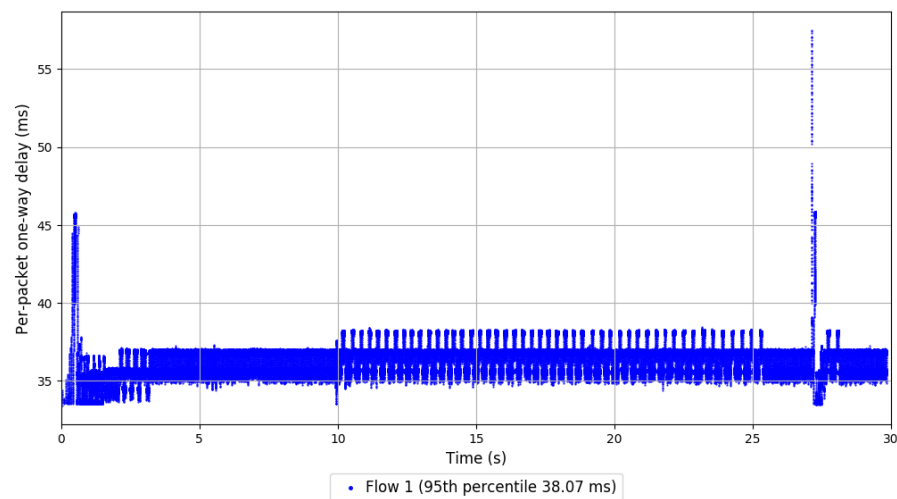
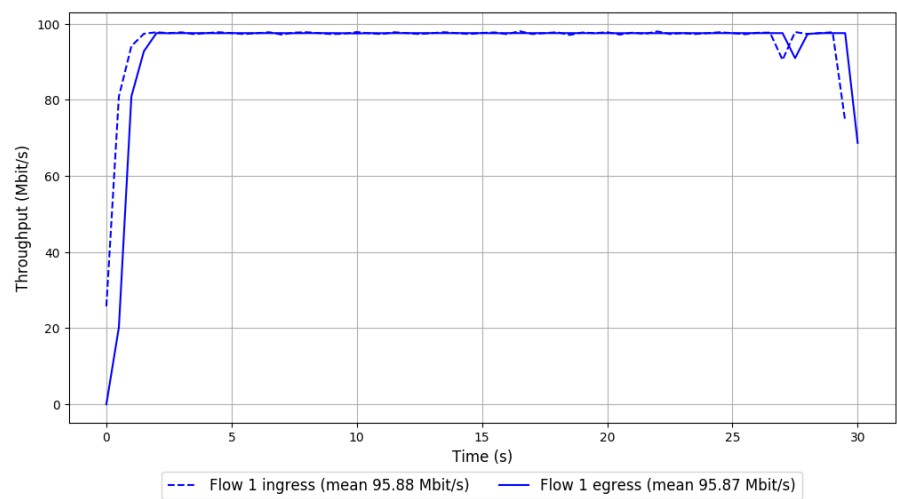


Run 5: Statistics of Indigo

Start at: 2018-08-22 12:45:43
End at: 2018-08-22 12:46:13
Local clock offset: 0.251 ms
Remote clock offset: -1.444 ms

Below is generated by plot.py at 2018-08-22 14:58:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 38.071 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 38.071 ms
Loss rate: 0.23%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-22 13:08:09

End at: 2018-08-22 13:08:39

Local clock offset: 0.35 ms

Remote clock offset: -2.103 ms

Below is generated by plot.py at 2018-08-22 14:58:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 37.572 ms

Loss rate: 0.23%

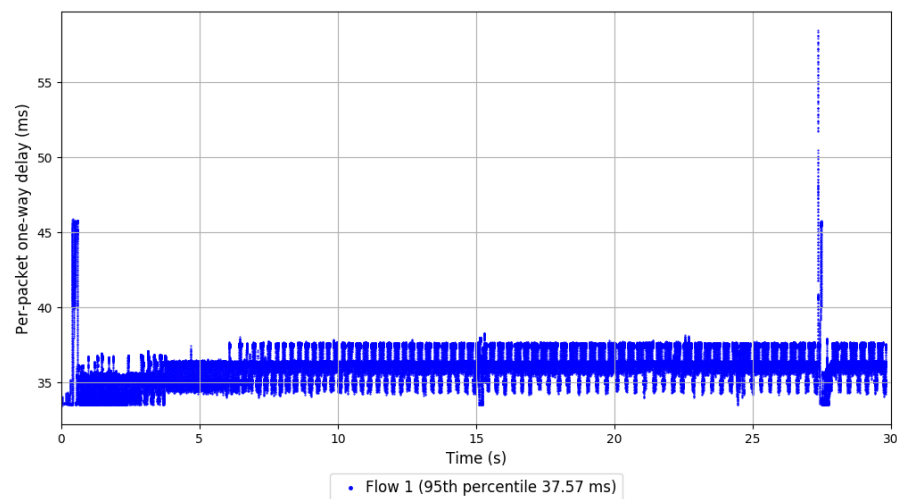
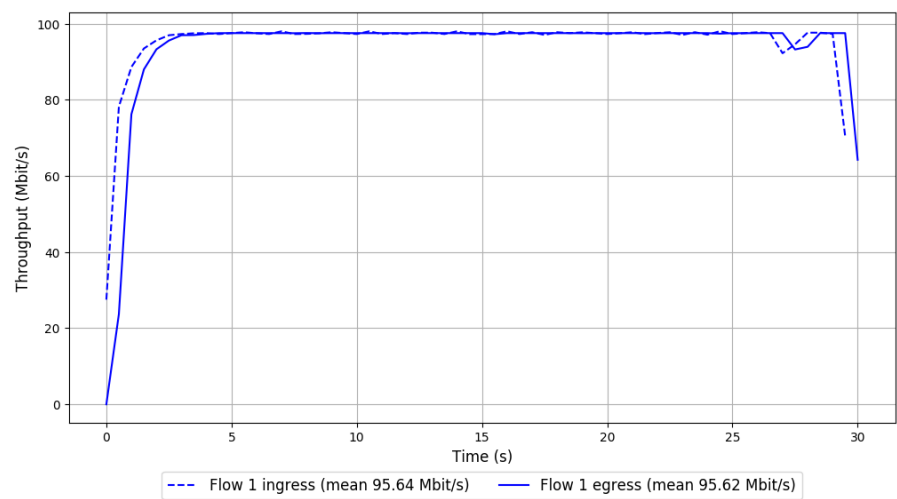
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 37.572 ms

Loss rate: 0.23%

Run 6: Report of Indigo — Data Link

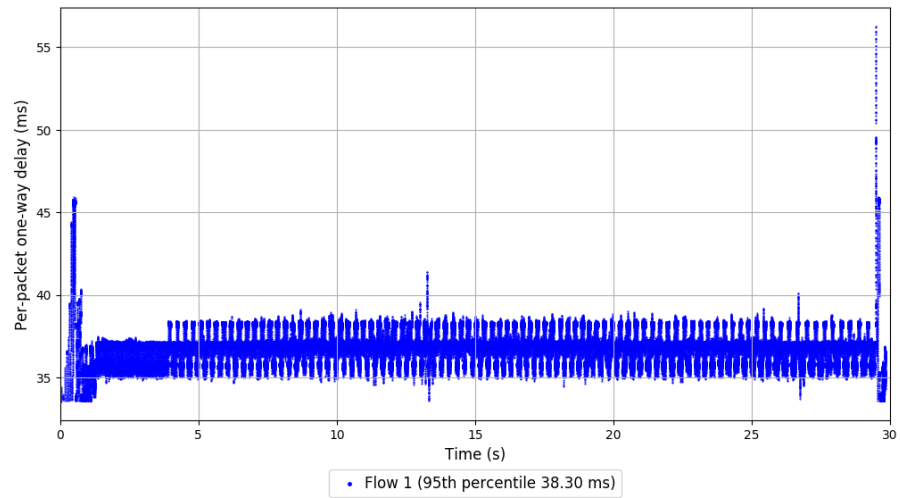
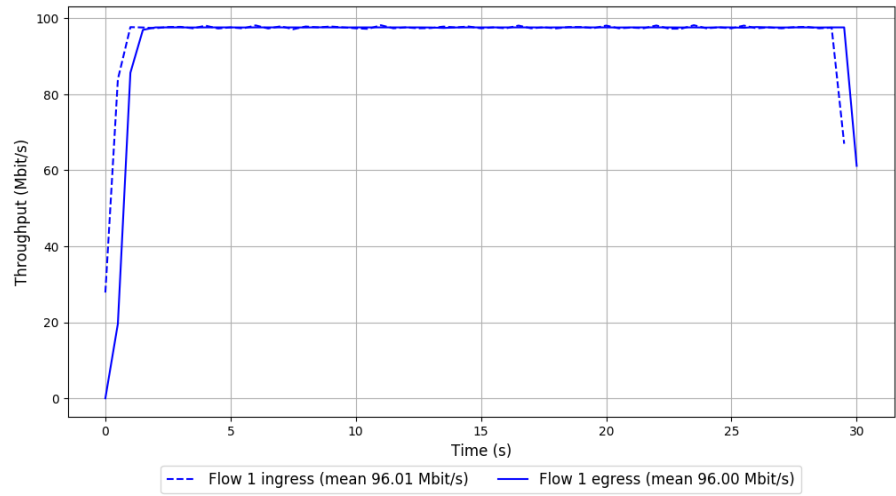


Run 7: Statistics of Indigo

Start at: 2018-08-22 13:30:28
End at: 2018-08-22 13:30:58
Local clock offset: 0.212 ms
Remote clock offset: -0.787 ms

Below is generated by plot.py at 2018-08-22 14:58:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 38.295 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 38.295 ms
Loss rate: 0.22%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-22 13:52:52

End at: 2018-08-22 13:53:22

Local clock offset: 0.126 ms

Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-08-22 14:58:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 38.183 ms

Loss rate: 0.22%

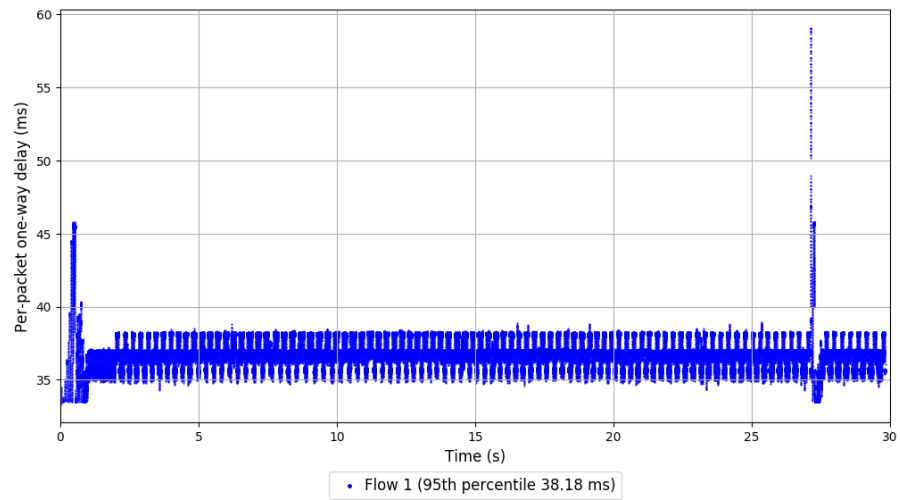
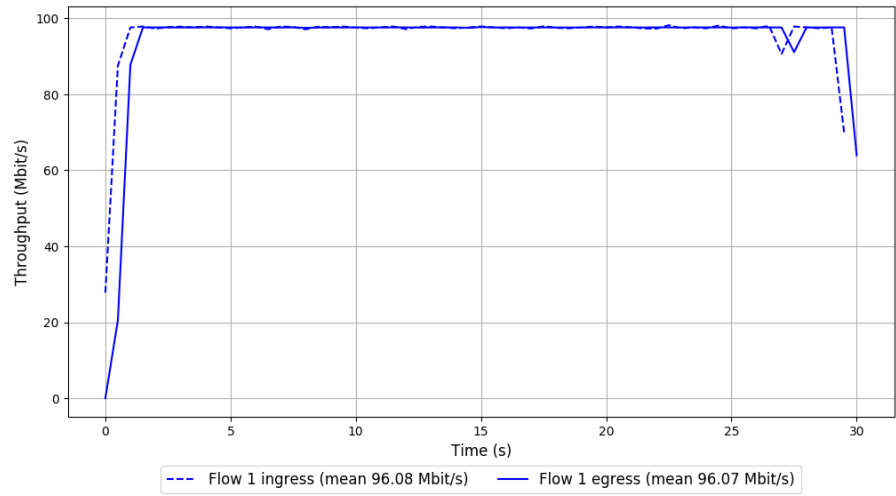
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 38.183 ms

Loss rate: 0.22%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-22 14:15:09

End at: 2018-08-22 14:15:39

Local clock offset: 0.208 ms

Remote clock offset: 0.646 ms

Below is generated by plot.py at 2018-08-22 14:58:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 38.188 ms

Loss rate: 0.23%

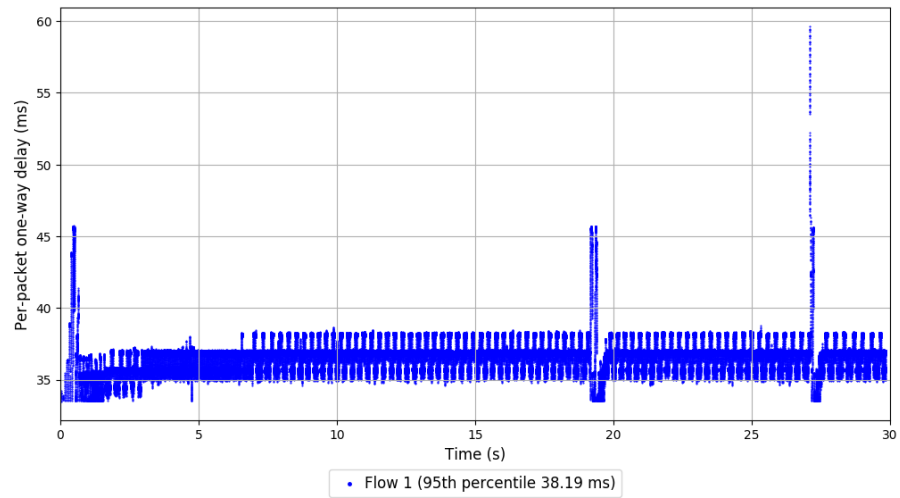
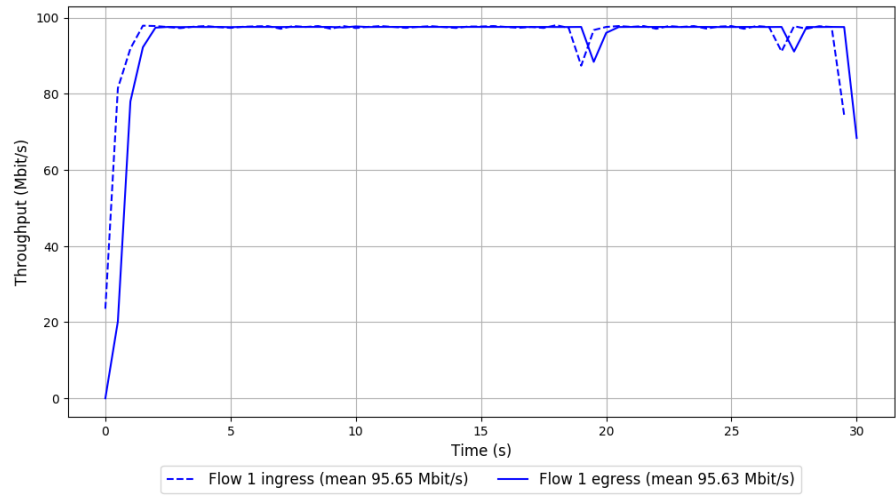
-- Flow 1:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 38.188 ms

Loss rate: 0.23%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-22 14:37:30

End at: 2018-08-22 14:38:00

Local clock offset: 0.135 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-08-22 14:58:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 38.187 ms

Loss rate: 0.23%

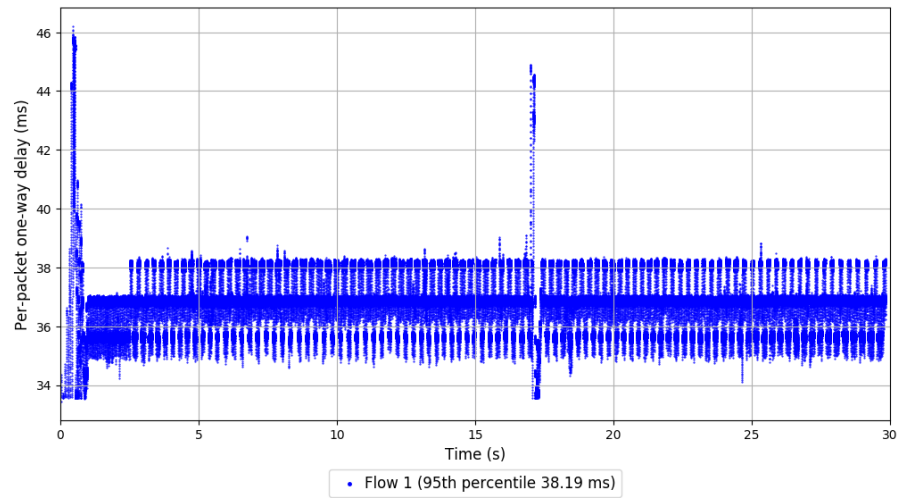
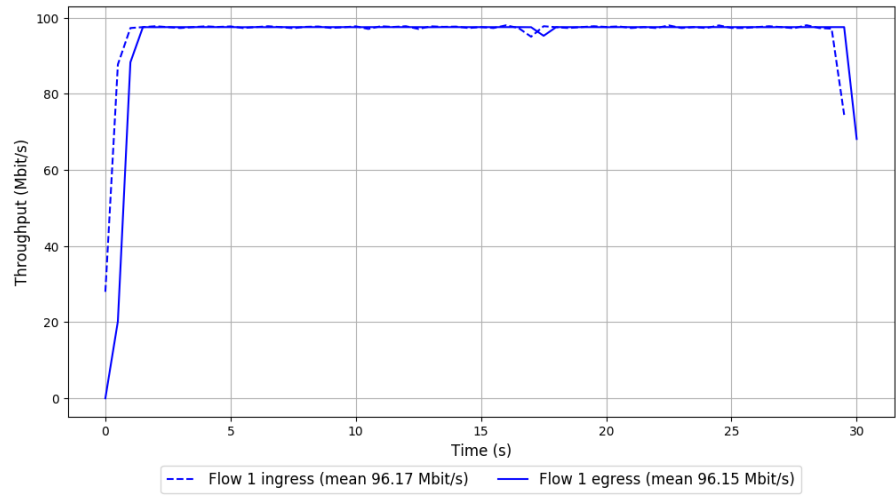
-- Flow 1:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 38.187 ms

Loss rate: 0.23%

Run 10: Report of Indigo — Data Link

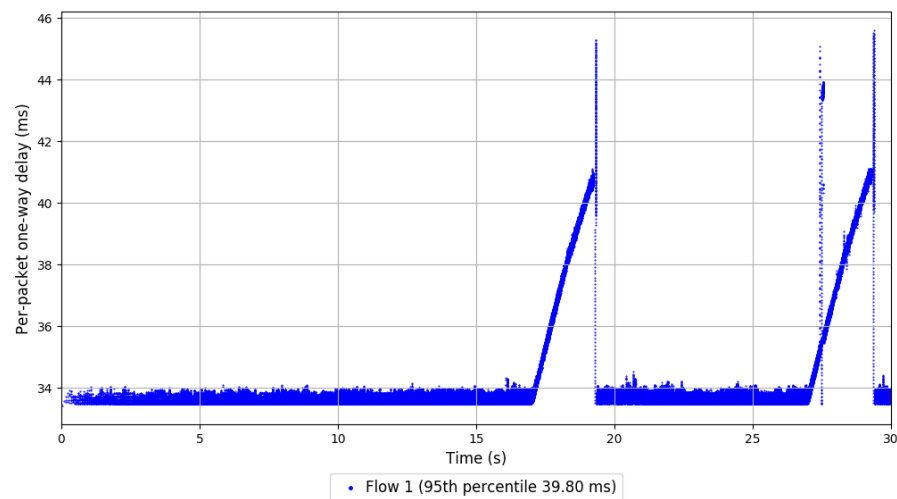
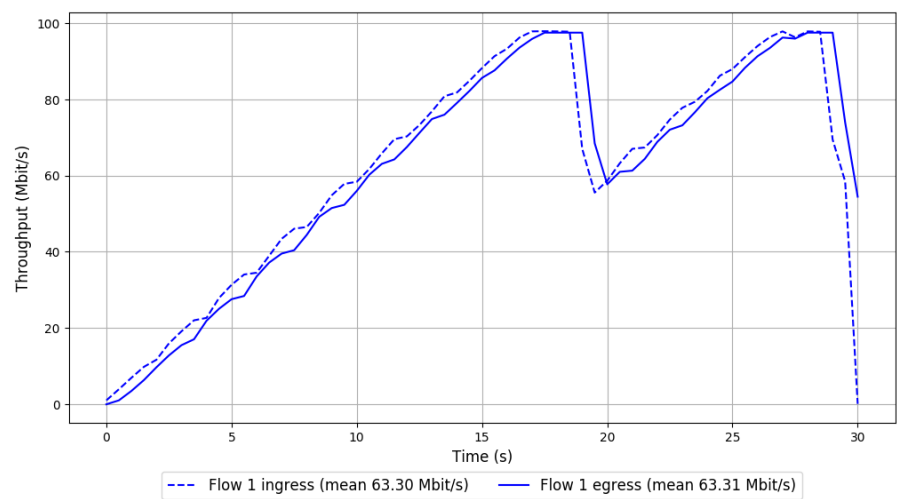


Run 1: Statistics of LEDBAT

Start at: 2018-08-22 11:13:00
End at: 2018-08-22 11:13:30
Local clock offset: 1.184 ms
Remote clock offset: -2.947 ms

Below is generated by plot.py at 2018-08-22 14:58:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 39.797 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 39.797 ms
Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link

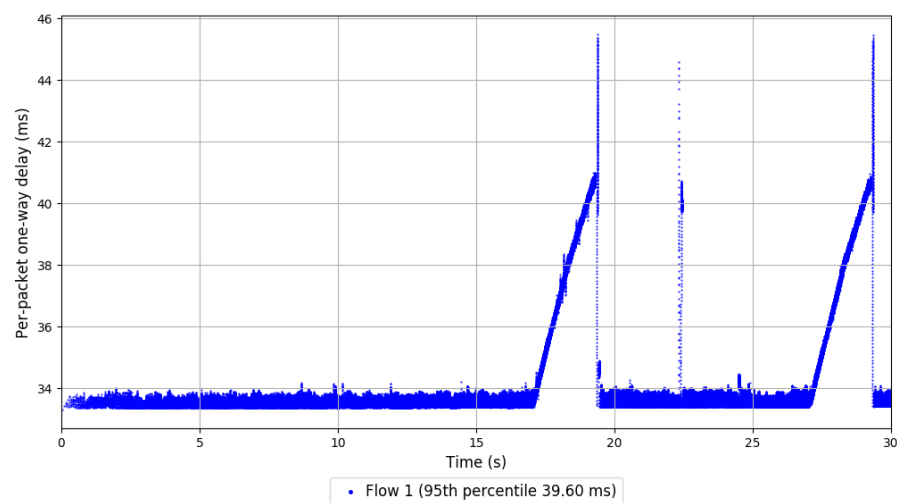
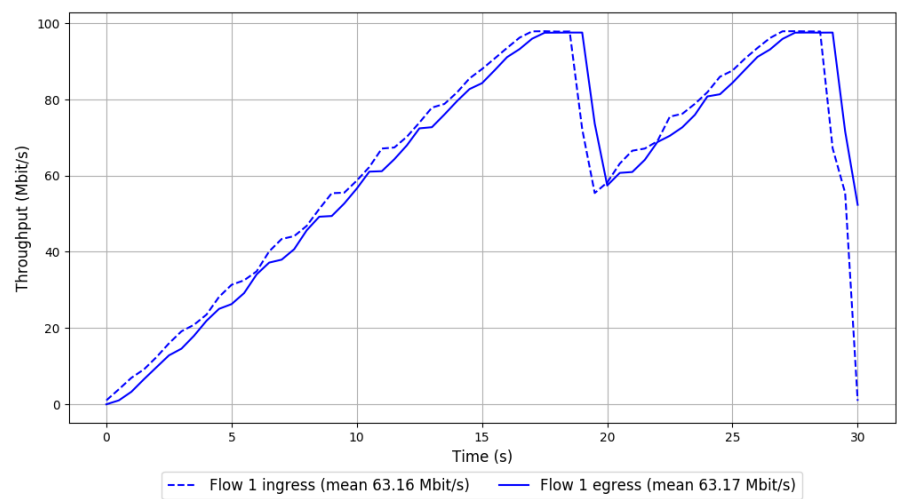


Run 2: Statistics of LEDBAT

Start at: 2018-08-22 11:35:29
End at: 2018-08-22 11:35:59
Local clock offset: 1.297 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2018-08-22 14:58:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.17 Mbit/s
95th percentile per-packet one-way delay: 39.602 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.17 Mbit/s
95th percentile per-packet one-way delay: 39.602 ms
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link

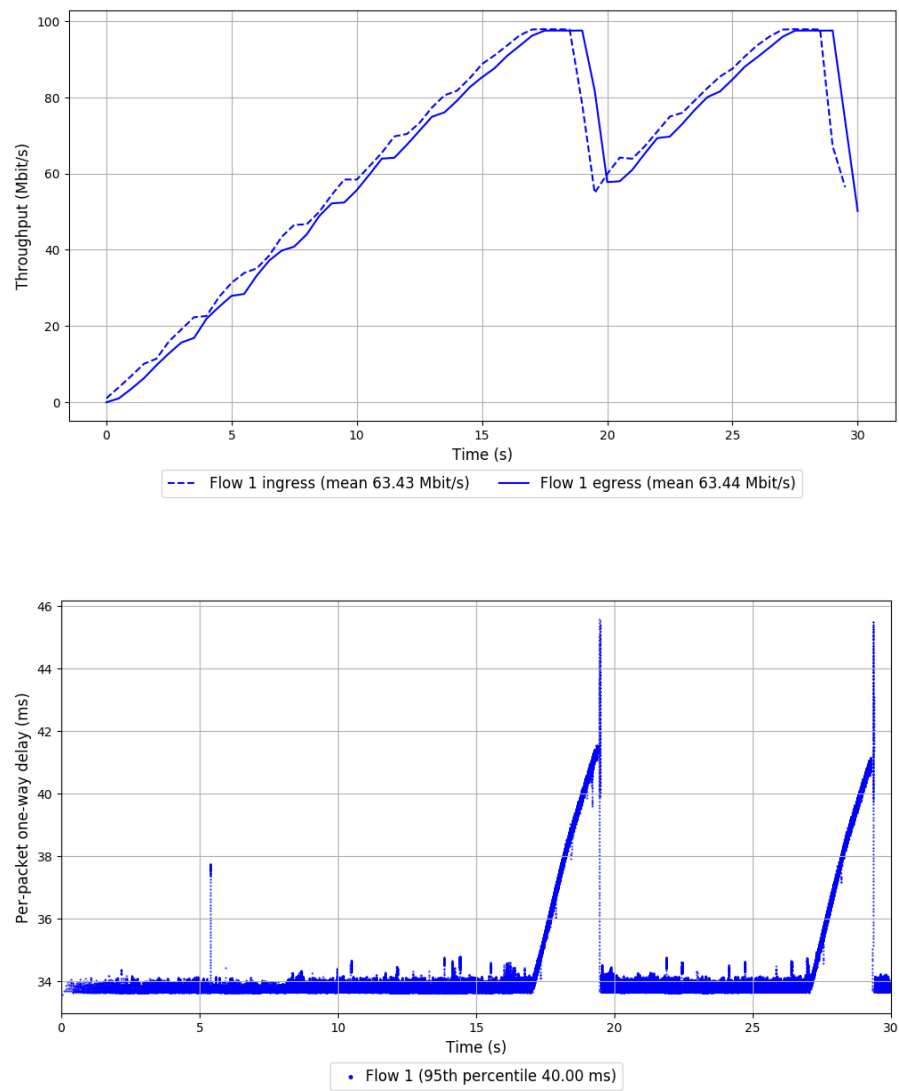


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 11:58:16
End at: 2018-08-22 11:58:46
Local clock offset: 0.909 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-08-22 14:58:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 40.001 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 40.001 ms
Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-22 12:20:35

End at: 2018-08-22 12:21:05

Local clock offset: 0.3 ms

Remote clock offset: -0.95 ms

Below is generated by plot.py at 2018-08-22 14:58:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.01 Mbit/s

95th percentile per-packet one-way delay: 39.695 ms

Loss rate: 0.20%

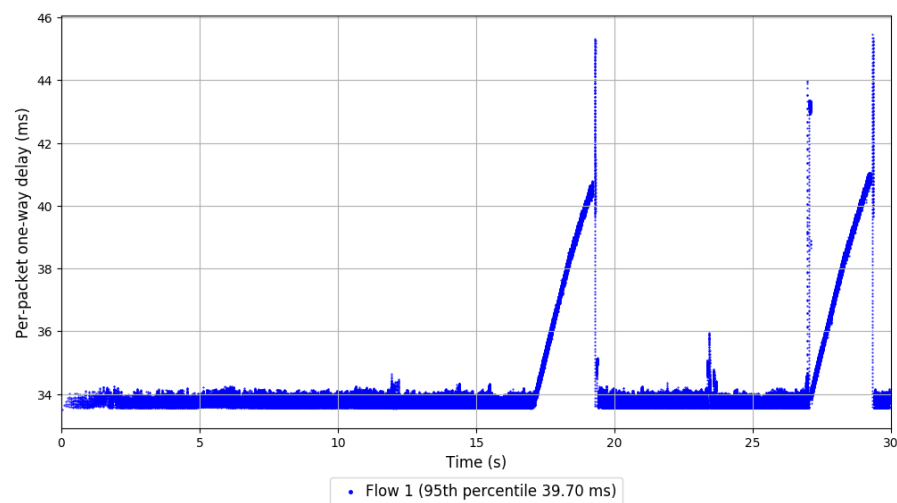
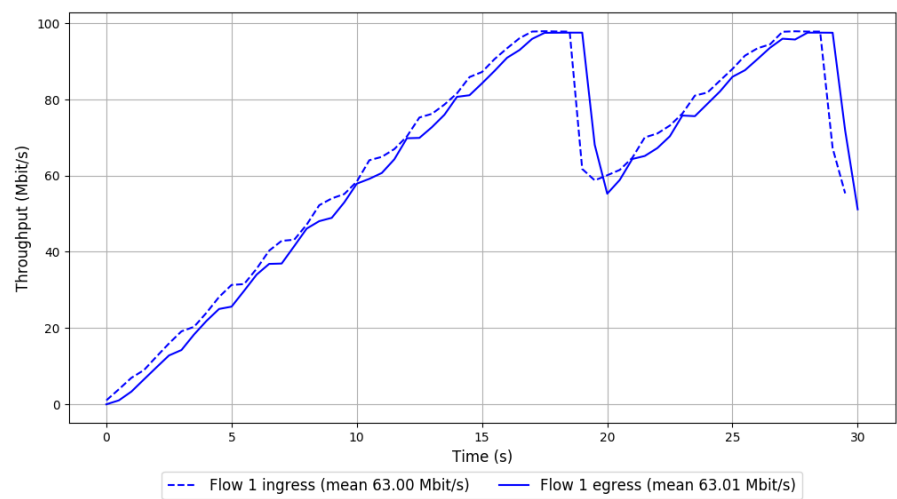
-- Flow 1:

Average throughput: 63.01 Mbit/s

95th percentile per-packet one-way delay: 39.695 ms

Loss rate: 0.20%

Run 4: Report of LEDBAT — Data Link

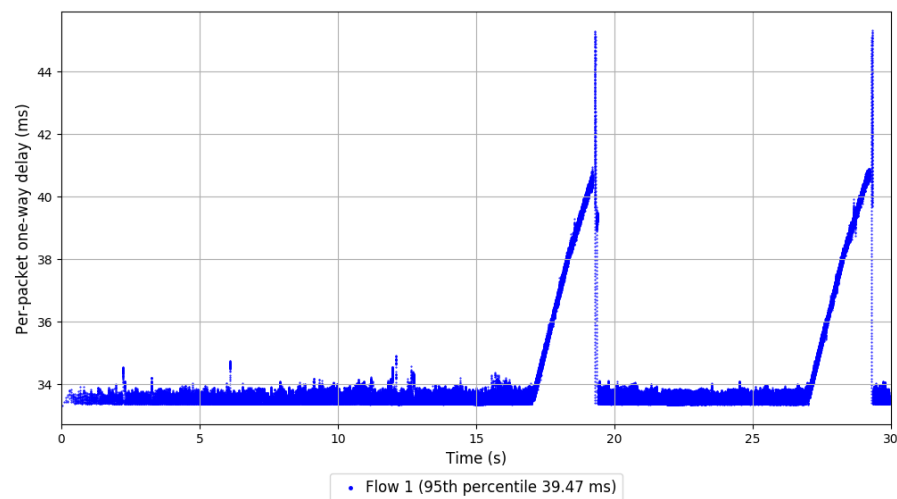
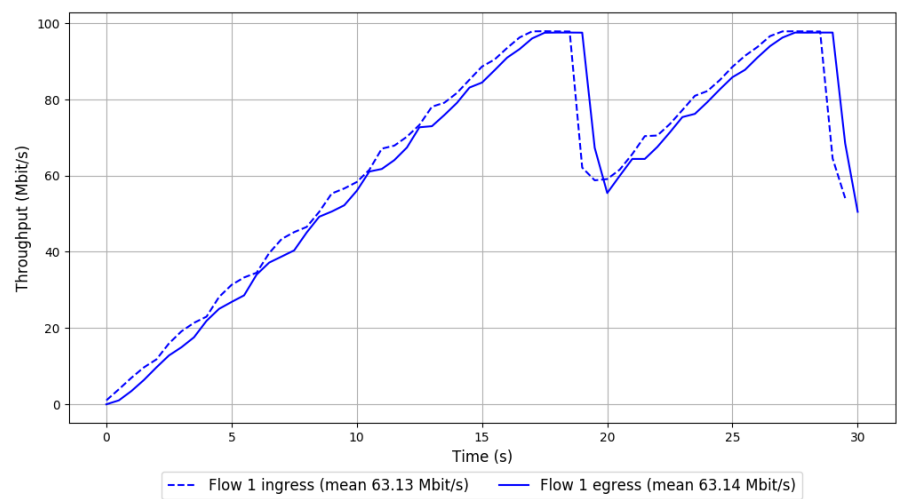


Run 5: Statistics of LEDBAT

Start at: 2018-08-22 12:43:04
End at: 2018-08-22 12:43:34
Local clock offset: 0.136 ms
Remote clock offset: -1.301 ms

Below is generated by plot.py at 2018-08-22 14:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 39.465 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 39.465 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link

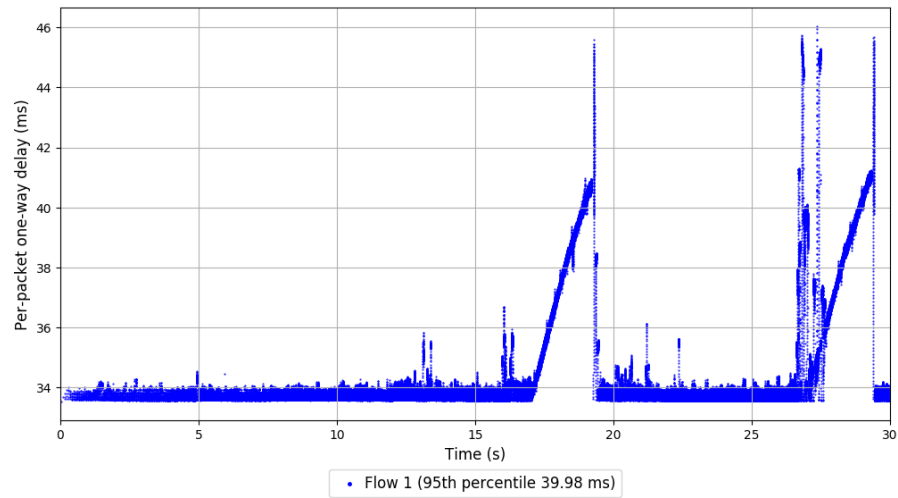
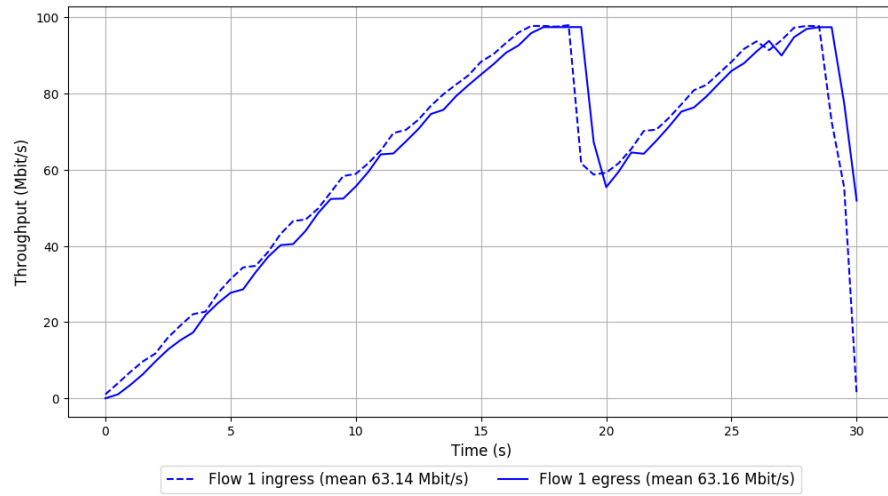


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 13:05:30
End at: 2018-08-22 13:06:00
Local clock offset: 0.364 ms
Remote clock offset: -2.067 ms

Below is generated by plot.py at 2018-08-22 14:58:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 39.976 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 39.976 ms
Loss rate: 0.20%

Run 6: Report of LEDBAT — Data Link

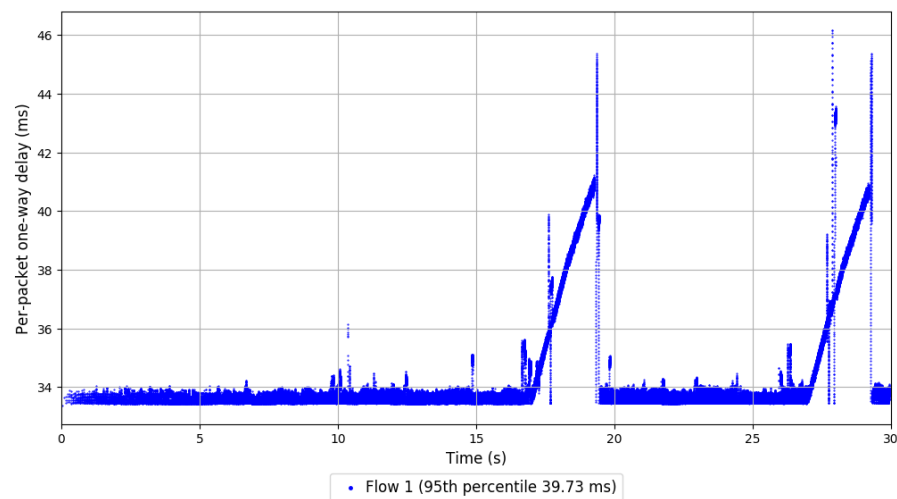
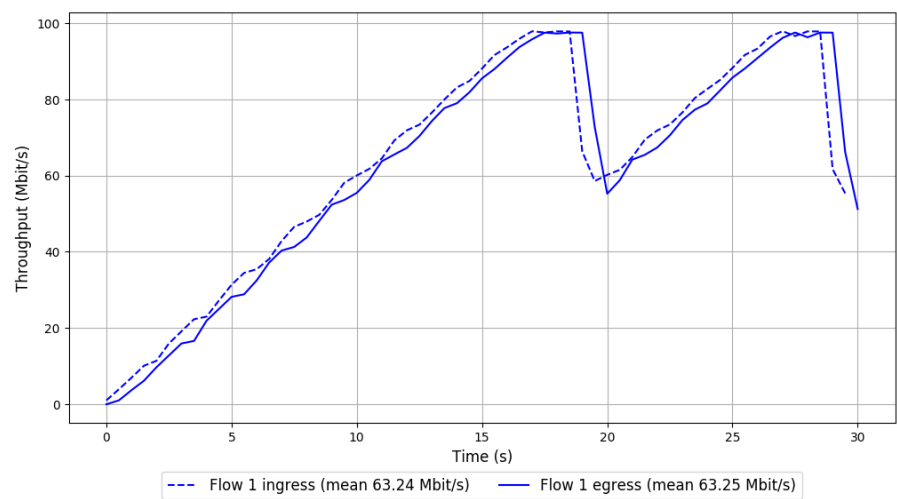


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 13:27:50
End at: 2018-08-22 13:28:20
Local clock offset: 0.129 ms
Remote clock offset: -0.822 ms

Below is generated by plot.py at 2018-08-22 14:58:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.25 Mbit/s
95th percentile per-packet one-way delay: 39.730 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.25 Mbit/s
95th percentile per-packet one-way delay: 39.730 ms
Loss rate: 0.20%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-22 13:50:13

End at: 2018-08-22 13:50:43

Local clock offset: 0.209 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-08-22 14:58:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.29 Mbit/s

95th percentile per-packet one-way delay: 39.933 ms

Loss rate: 0.20%

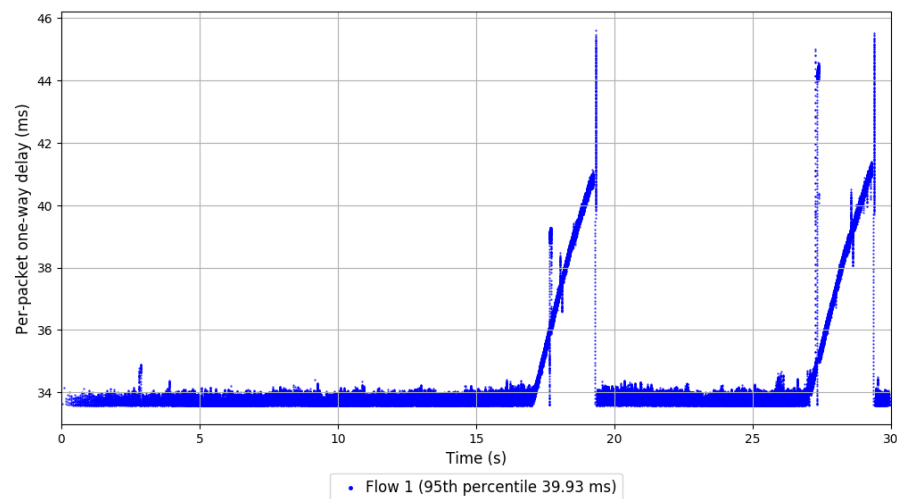
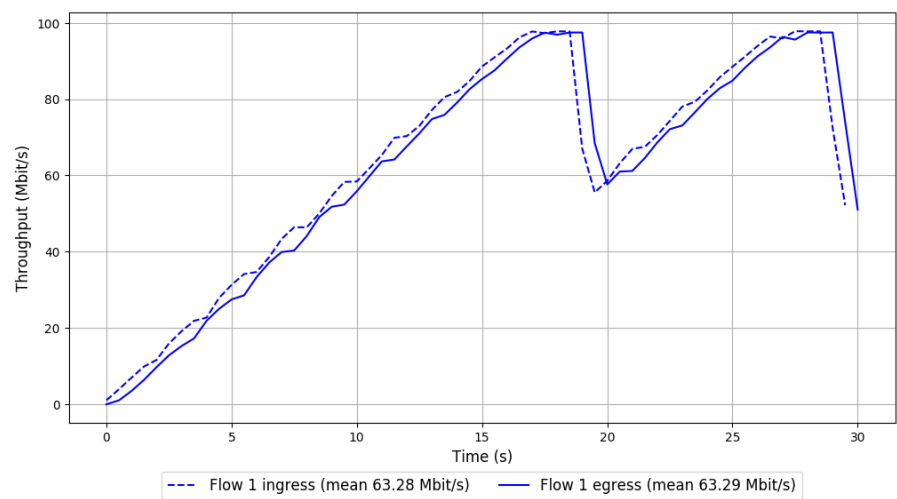
-- Flow 1:

Average throughput: 63.29 Mbit/s

95th percentile per-packet one-way delay: 39.933 ms

Loss rate: 0.20%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-22 14:12:32

End at: 2018-08-22 14:13:02

Local clock offset: 0.12 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-08-22 14:58:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.91 Mbit/s

95th percentile per-packet one-way delay: 39.741 ms

Loss rate: 0.20%

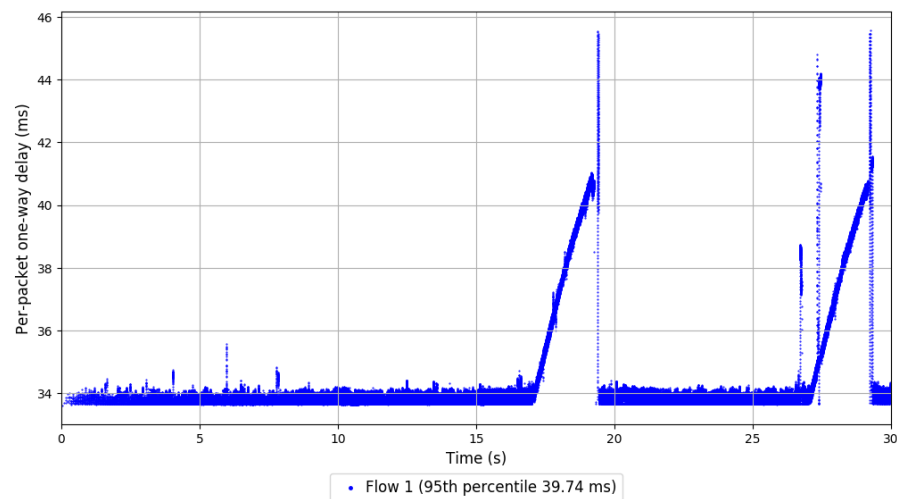
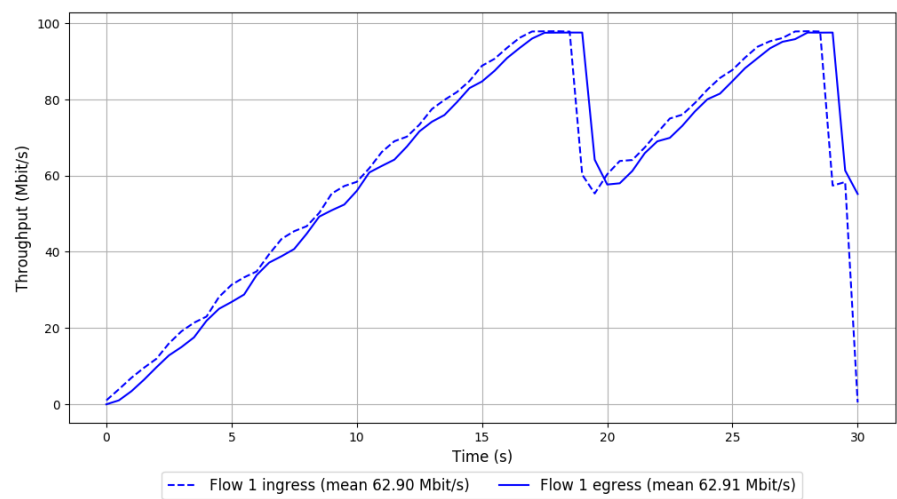
-- Flow 1:

Average throughput: 62.91 Mbit/s

95th percentile per-packet one-way delay: 39.741 ms

Loss rate: 0.20%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-22 14:34:51

End at: 2018-08-22 14:35:21

Local clock offset: 0.194 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-08-22 14:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.17 Mbit/s

95th percentile per-packet one-way delay: 39.666 ms

Loss rate: 0.20%

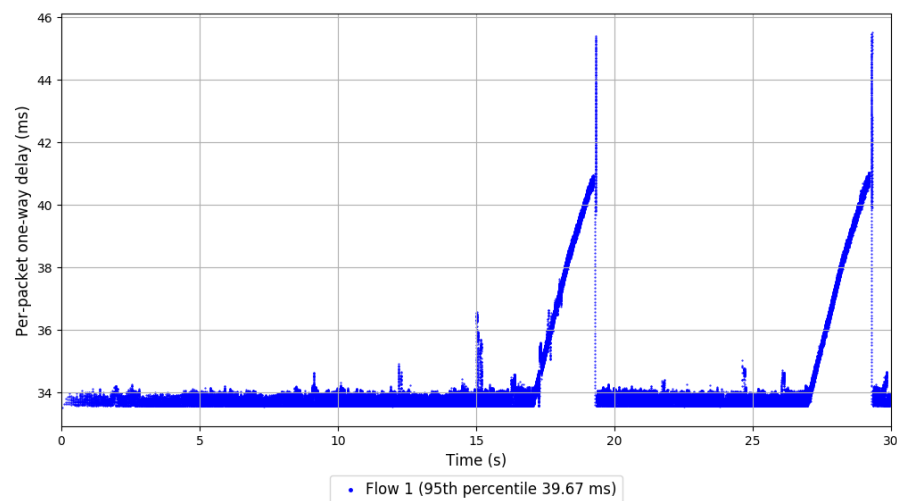
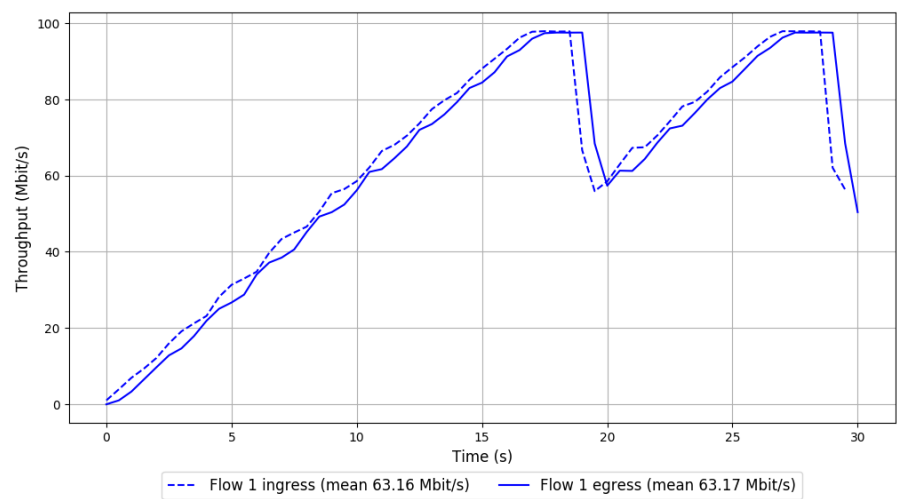
-- Flow 1:

Average throughput: 63.17 Mbit/s

95th percentile per-packet one-way delay: 39.666 ms

Loss rate: 0.20%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 11:07:51

End at: 2018-08-22 11:08:21

Local clock offset: 1.649 ms

Remote clock offset: -2.794 ms

Below is generated by plot.py at 2018-08-22 14:59:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 37.997 ms

Loss rate: 0.22%

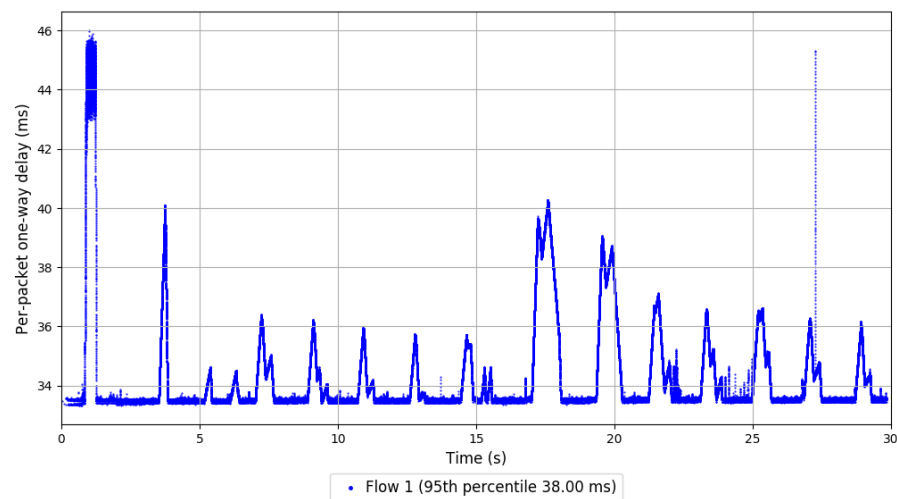
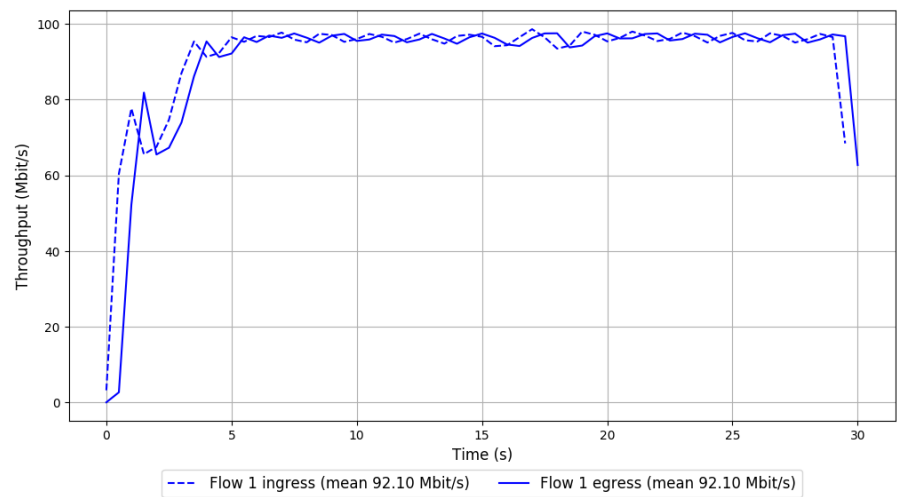
-- Flow 1:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 37.997 ms

Loss rate: 0.22%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 11:30:16

End at: 2018-08-22 11:30:46

Local clock offset: 1.148 ms

Remote clock offset: -2.563 ms

Below is generated by plot.py at 2018-08-22 14:59:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 38.092 ms

Loss rate: 0.22%

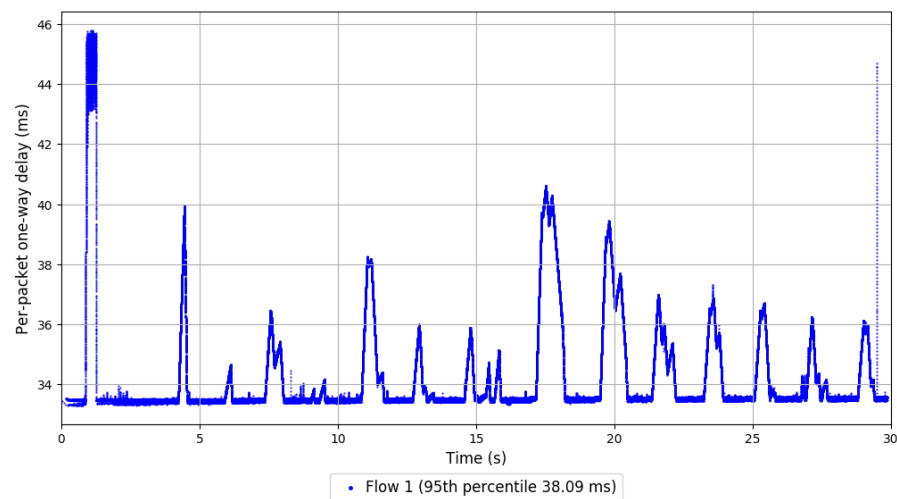
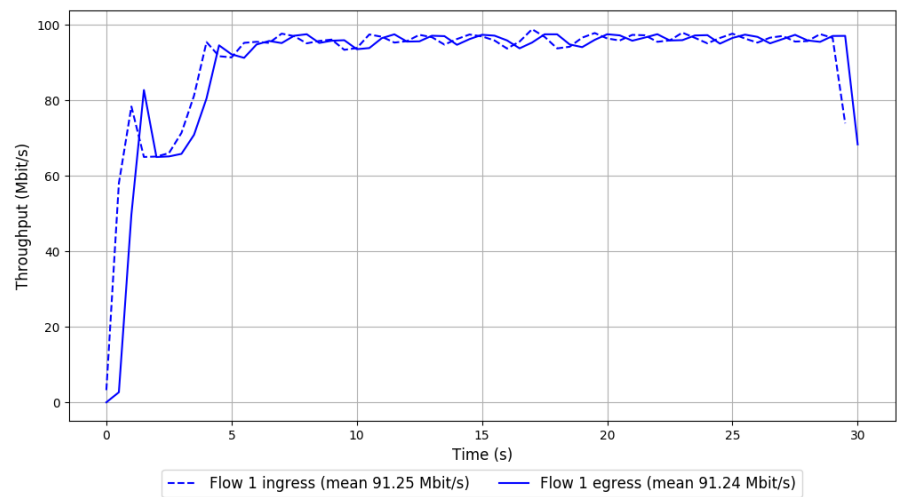
-- Flow 1:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 38.092 ms

Loss rate: 0.22%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 11:53:08

End at: 2018-08-22 11:53:38

Local clock offset: 0.862 ms

Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-08-22 15:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 38.784 ms

Loss rate: 0.22%

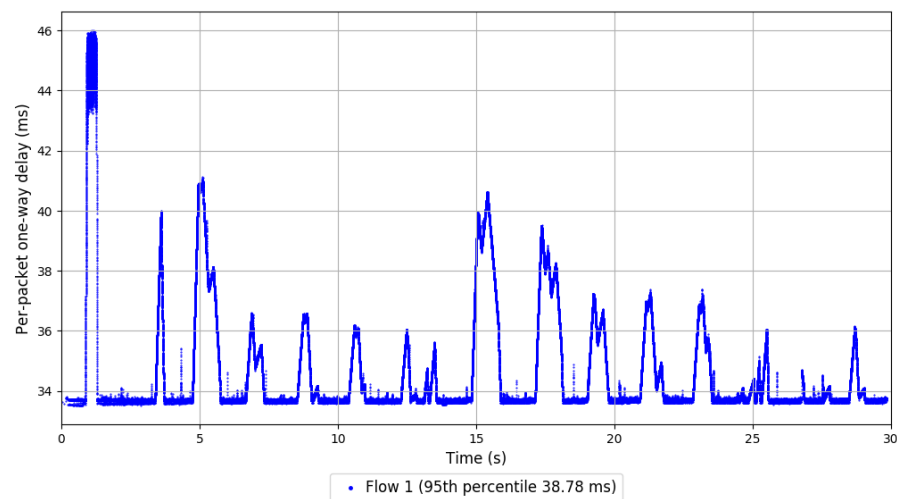
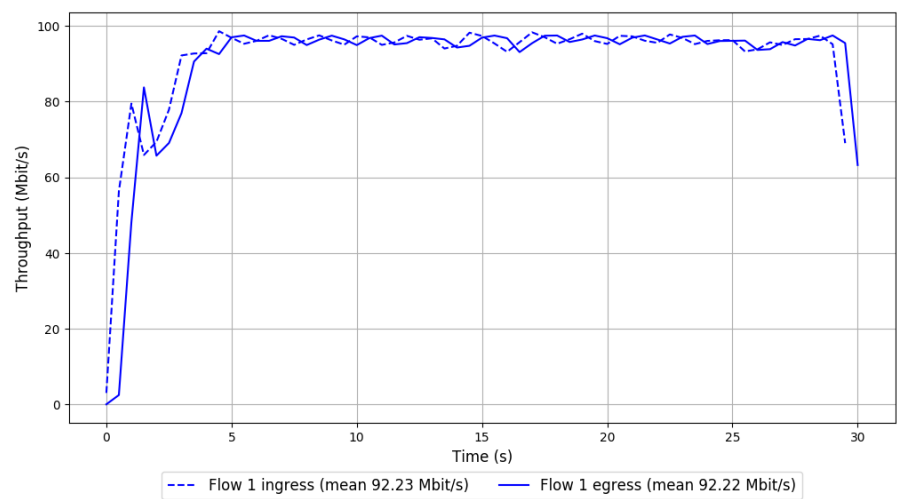
-- Flow 1:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 38.784 ms

Loss rate: 0.22%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 12:15:27

End at: 2018-08-22 12:15:57

Local clock offset: 0.325 ms

Remote clock offset: -0.746 ms

Below is generated by plot.py at 2018-08-22 15:00:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.82 Mbit/s

95th percentile per-packet one-way delay: 38.175 ms

Loss rate: 0.23%

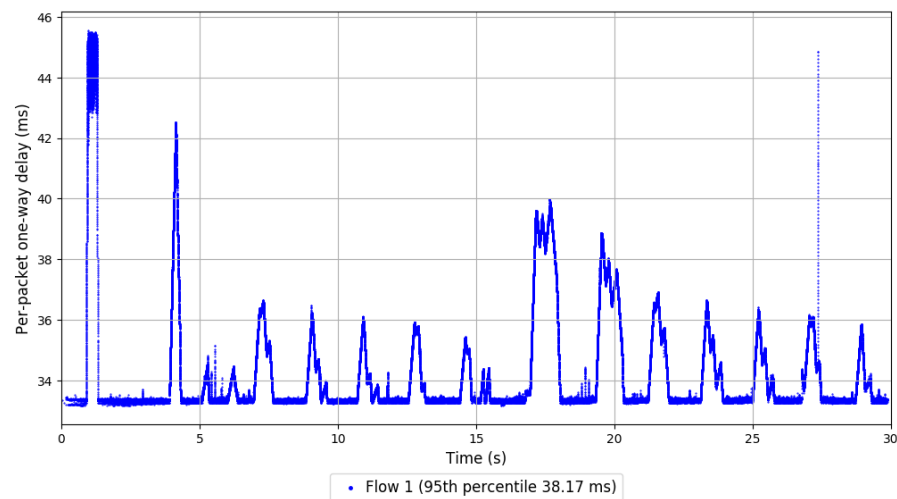
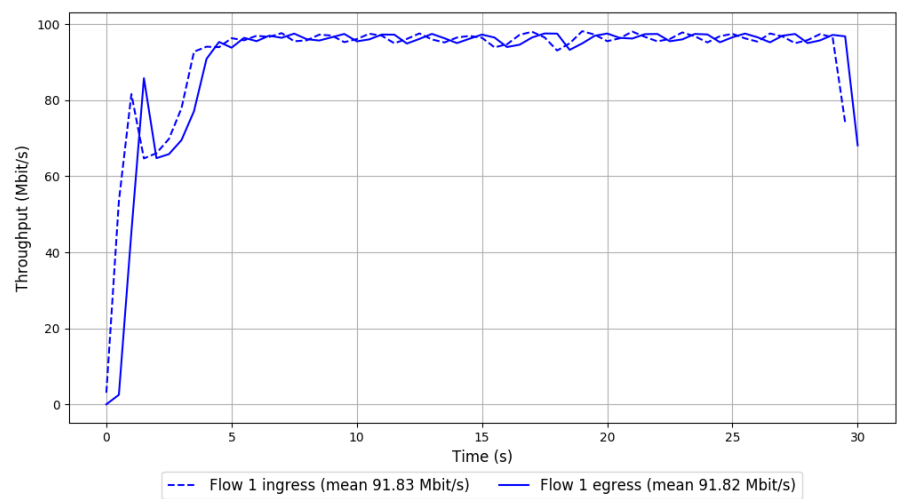
-- Flow 1:

Average throughput: 91.82 Mbit/s

95th percentile per-packet one-way delay: 38.175 ms

Loss rate: 0.23%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 12:37:55

End at: 2018-08-22 12:38:25

Local clock offset: 0.11 ms

Remote clock offset: -1.597 ms

Below is generated by plot.py at 2018-08-22 15:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 38.112 ms

Loss rate: 0.23%

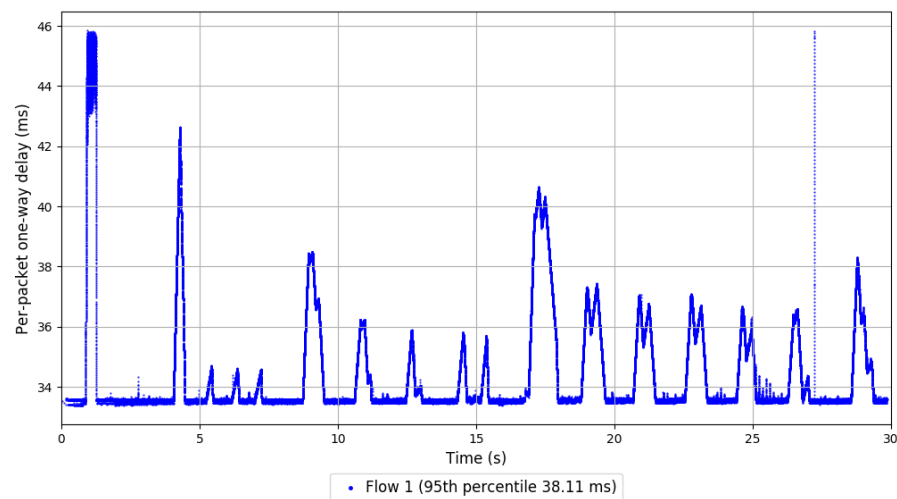
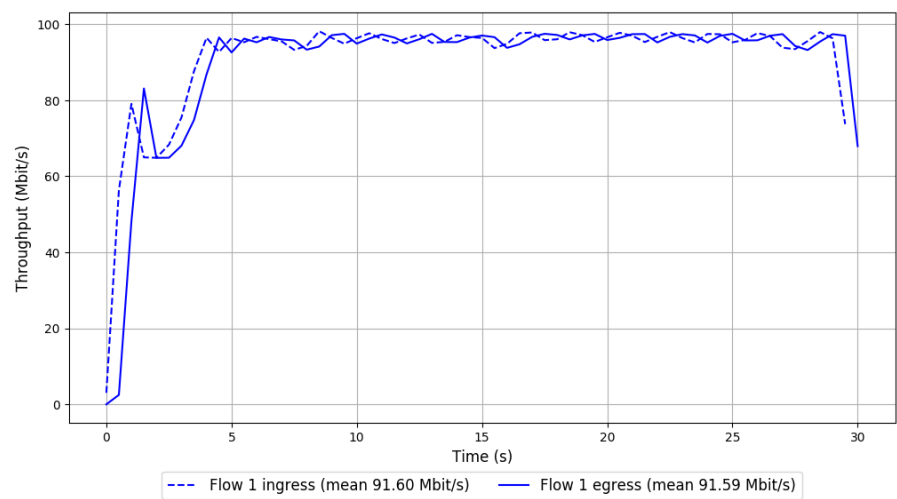
-- Flow 1:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 38.112 ms

Loss rate: 0.23%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 13:00:21

End at: 2018-08-22 13:00:52

Local clock offset: 0.33 ms

Remote clock offset: -1.977 ms

Below is generated by plot.py at 2018-08-22 15:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.77 Mbit/s

95th percentile per-packet one-way delay: 39.462 ms

Loss rate: 0.24%

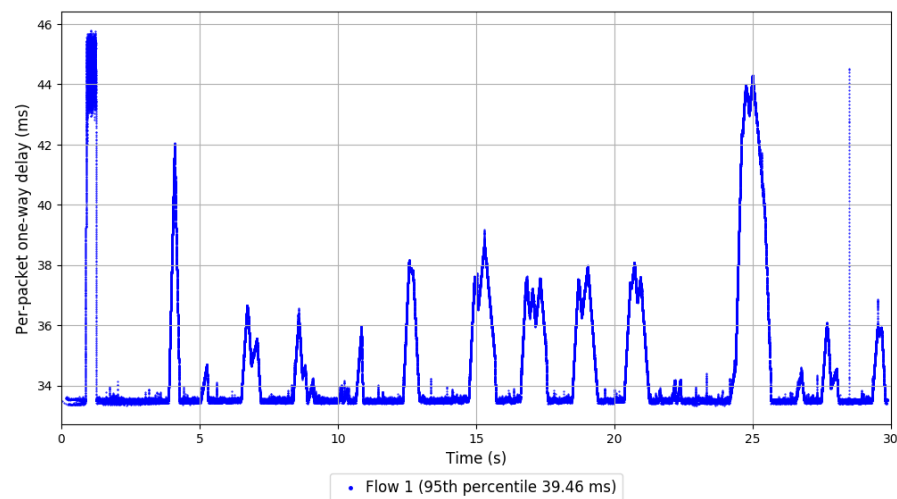
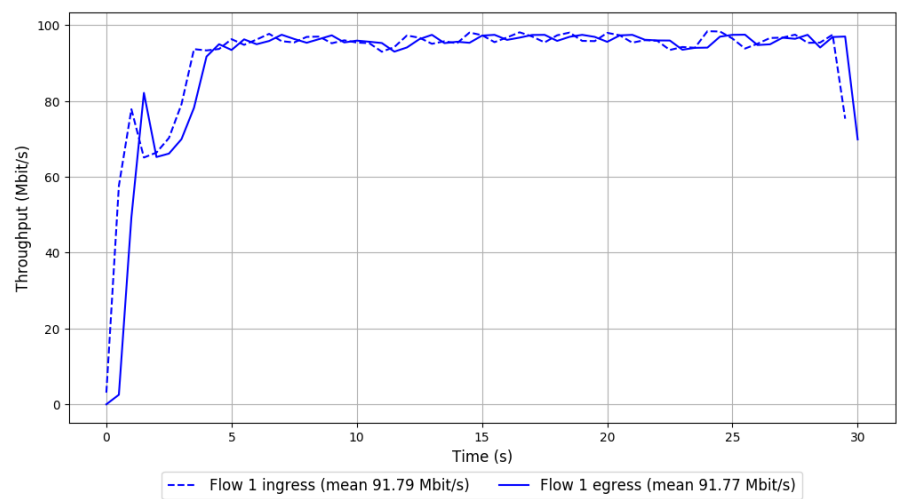
-- Flow 1:

Average throughput: 91.77 Mbit/s

95th percentile per-packet one-way delay: 39.462 ms

Loss rate: 0.24%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 13:22:42

End at: 2018-08-22 13:23:12

Local clock offset: 0.224 ms

Remote clock offset: -1.064 ms

Below is generated by plot.py at 2018-08-22 15:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 39.207 ms

Loss rate: 0.25%

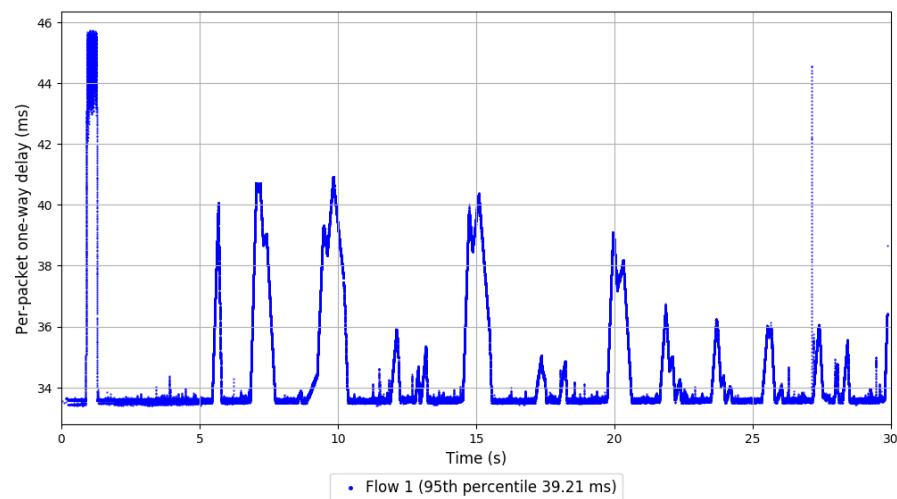
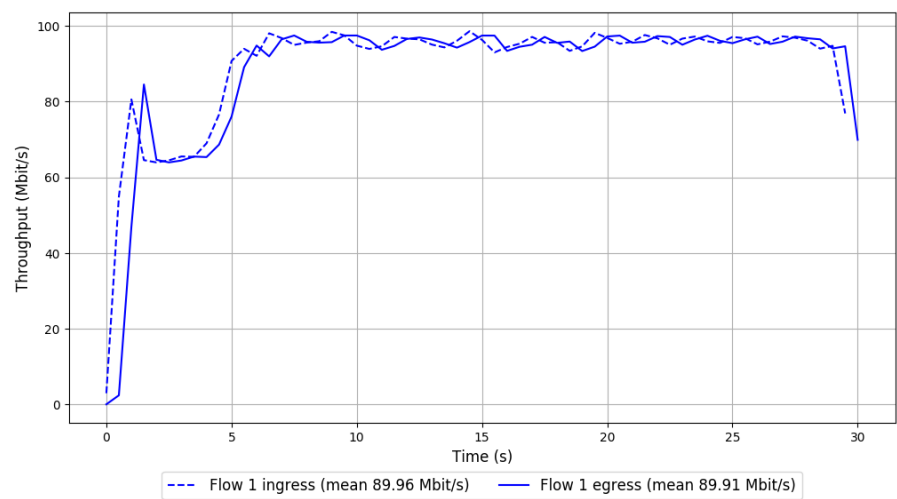
-- Flow 1:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 39.207 ms

Loss rate: 0.25%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 13:45:04

End at: 2018-08-22 13:45:35

Local clock offset: 0.21 ms

Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-08-22 15:00:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 38.887 ms

Loss rate: 0.24%

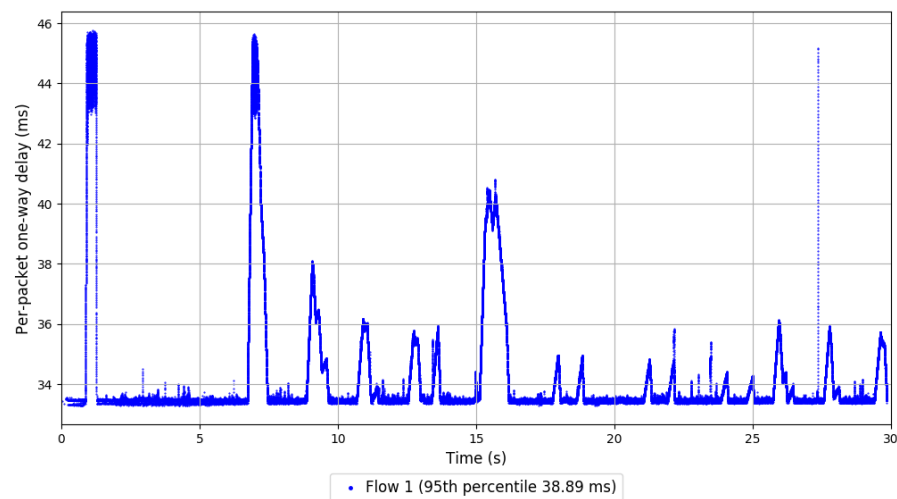
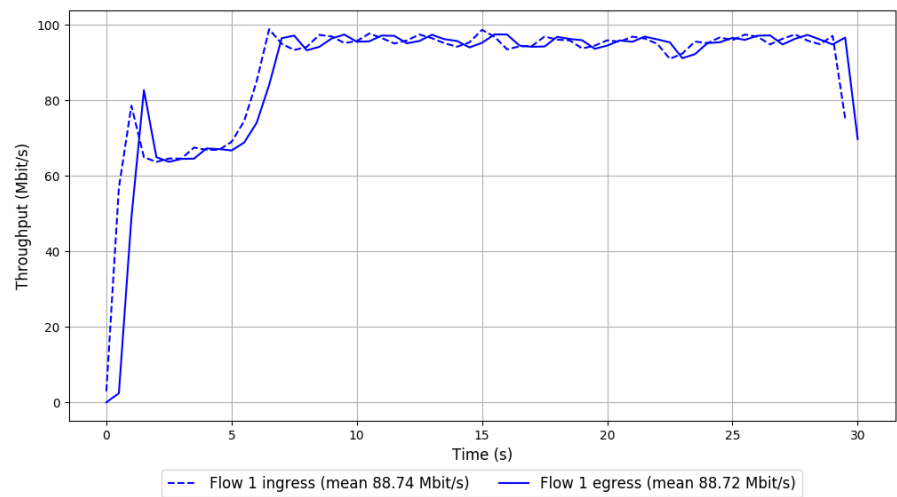
-- Flow 1:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 38.887 ms

Loss rate: 0.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 14:07:25

End at: 2018-08-22 14:07:55

Local clock offset: 0.247 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2018-08-22 15:00:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 38.967 ms

Loss rate: 0.24%

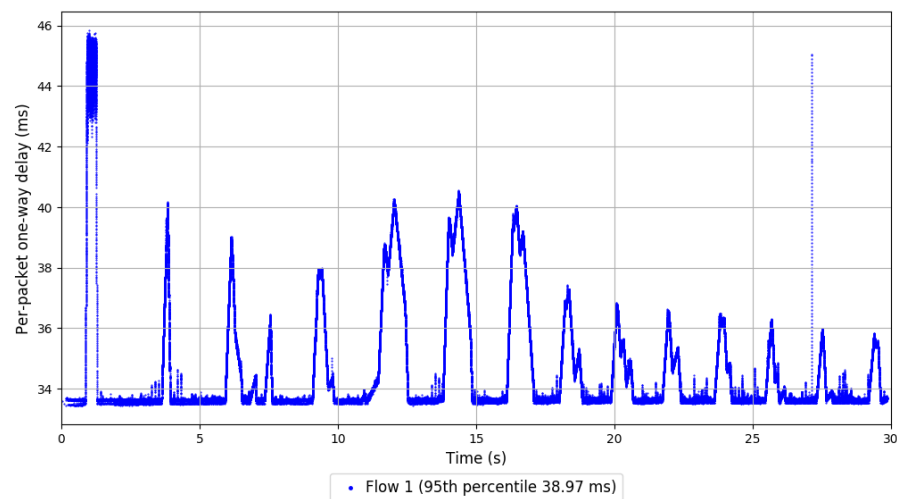
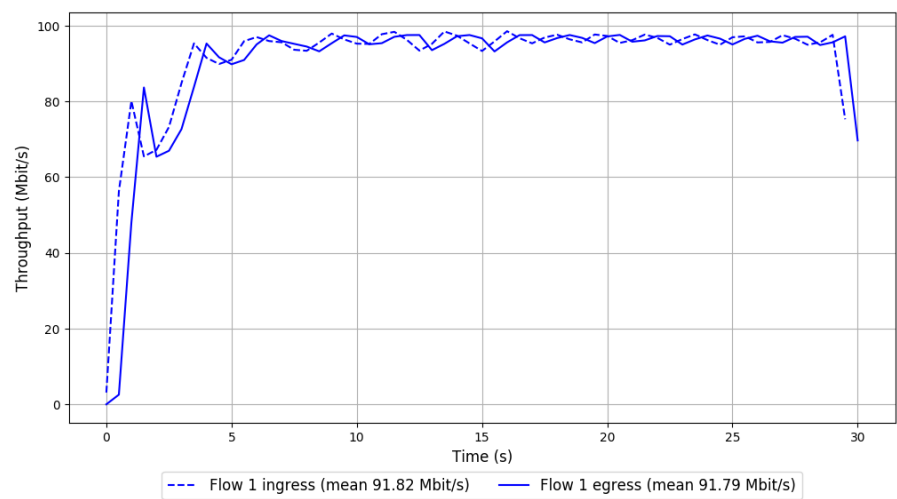
-- Flow 1:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 38.967 ms

Loss rate: 0.24%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 14:29:43

End at: 2018-08-22 14:30:13

Local clock offset: 0.204 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2018-08-22 15:00:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.95 Mbit/s

95th percentile per-packet one-way delay: 39.326 ms

Loss rate: 0.23%

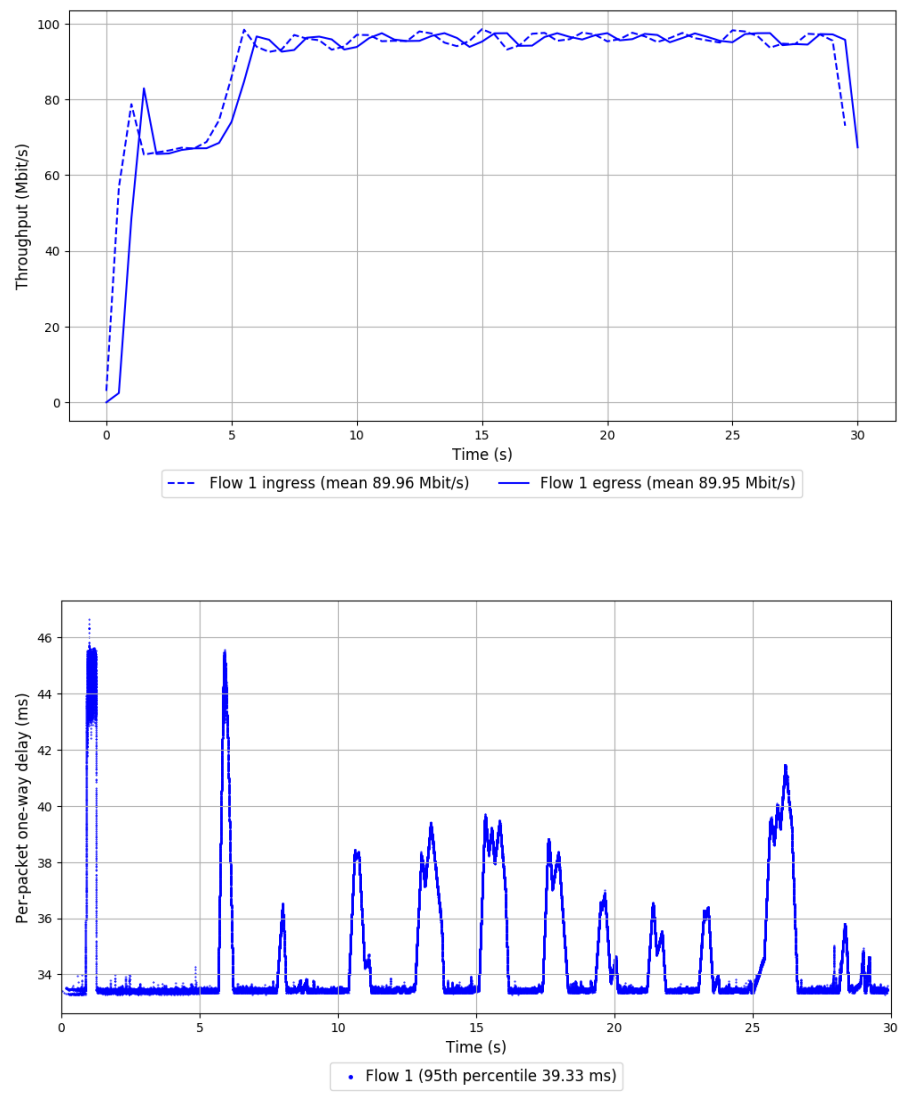
-- Flow 1:

Average throughput: 89.95 Mbit/s

95th percentile per-packet one-way delay: 39.326 ms

Loss rate: 0.23%

Run 10: Report of PCC-Allegro — Data Link

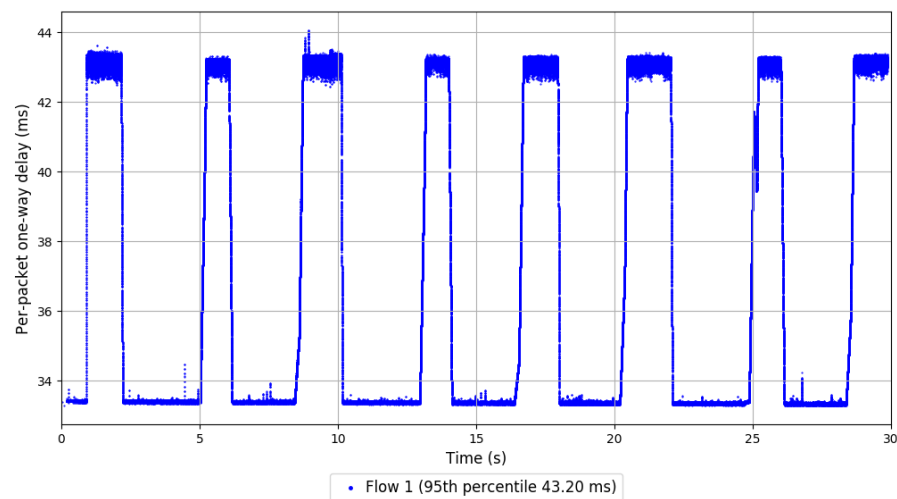
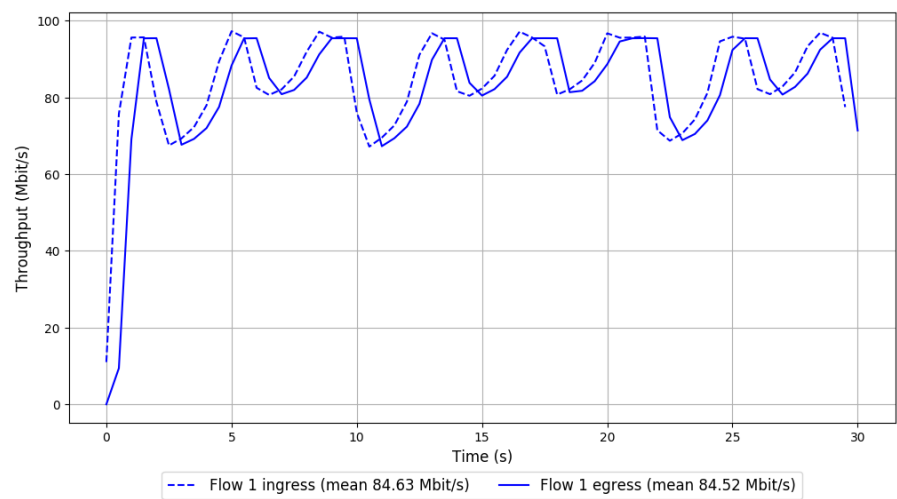


Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 11:05:11
End at: 2018-08-22 11:05:41
Local clock offset: 1.585 ms
Remote clock offset: -2.696 ms

Below is generated by plot.py at 2018-08-22 15:01:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 43.204 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 43.204 ms
Loss rate: 0.36%

Run 1: Report of PCC-Expr — Data Link

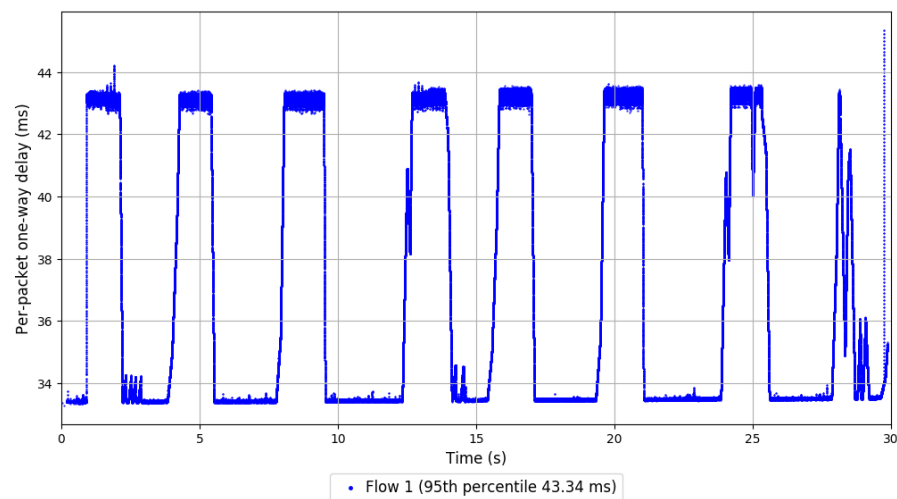
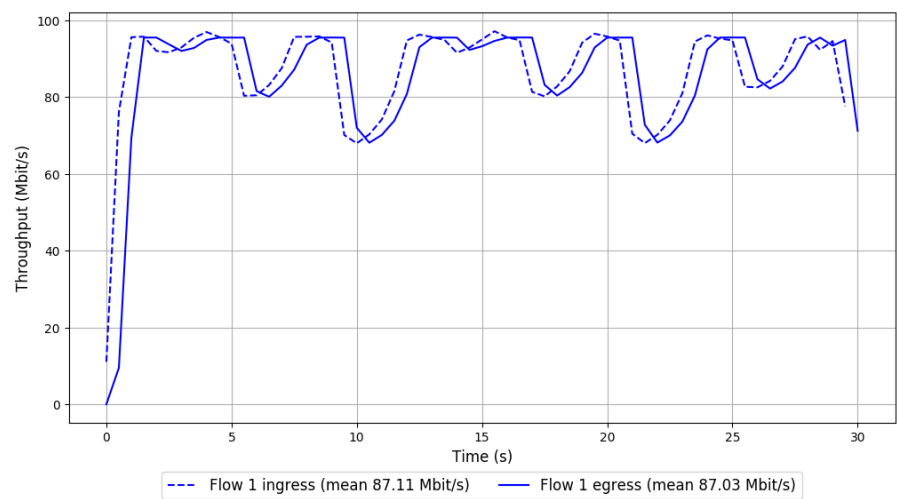


Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 11:27:32
End at: 2018-08-22 11:28:02
Local clock offset: 1.055 ms
Remote clock offset: -3.225 ms

Below is generated by plot.py at 2018-08-22 15:01:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 43.336 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 43.336 ms
Loss rate: 0.31%

Run 2: Report of PCC-Expr — Data Link

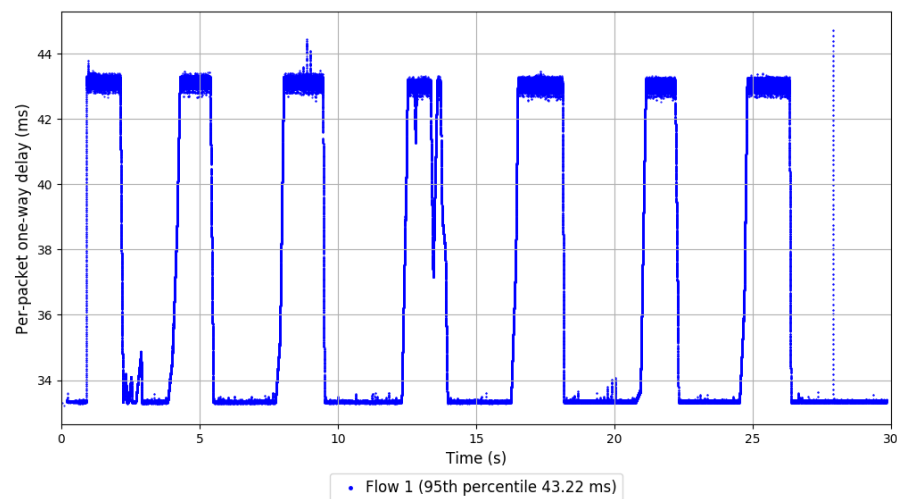
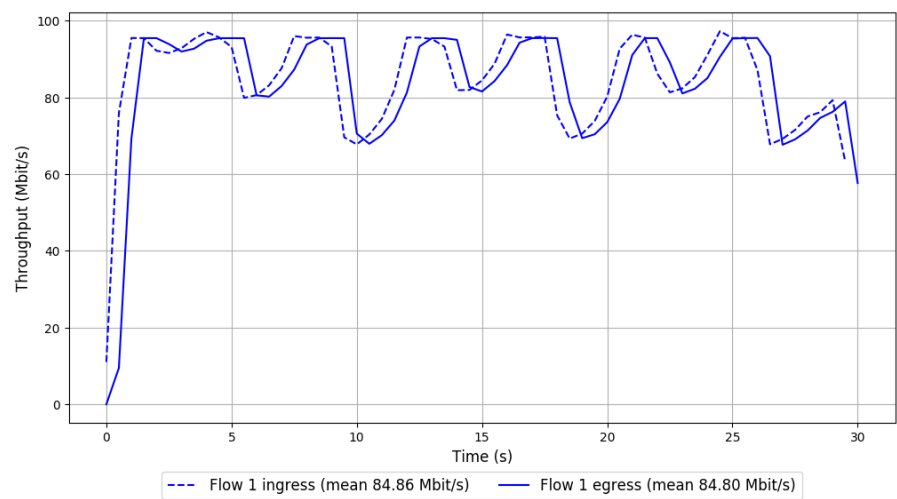


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 11:50:26
End at: 2018-08-22 11:50:56
Local clock offset: 0.877 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2018-08-22 15:01:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 43.218 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 43.218 ms
Loss rate: 0.28%

Run 3: Report of PCC-Expr — Data Link

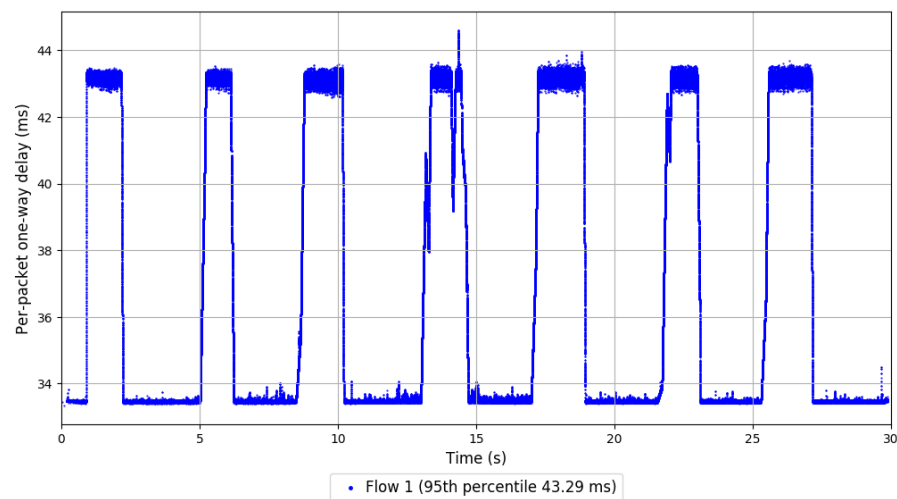
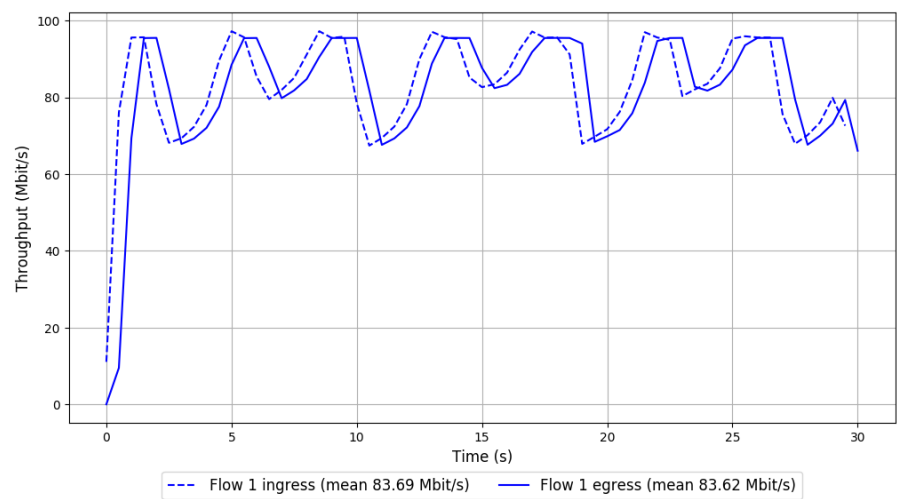


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 12:12:46
End at: 2018-08-22 12:13:16
Local clock offset: 0.554 ms
Remote clock offset: -0.694 ms

Below is generated by plot.py at 2018-08-22 15:01:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 43.293 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 43.293 ms
Loss rate: 0.29%

Run 4: Report of PCC-Expr — Data Link

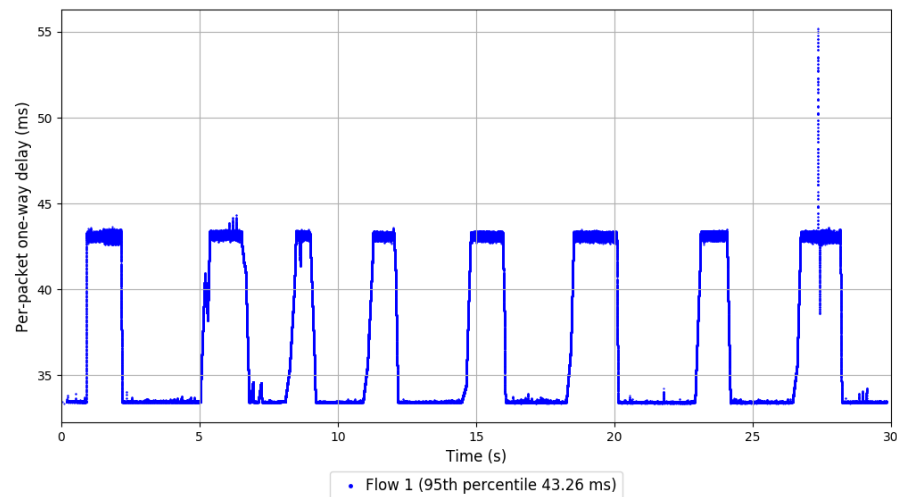
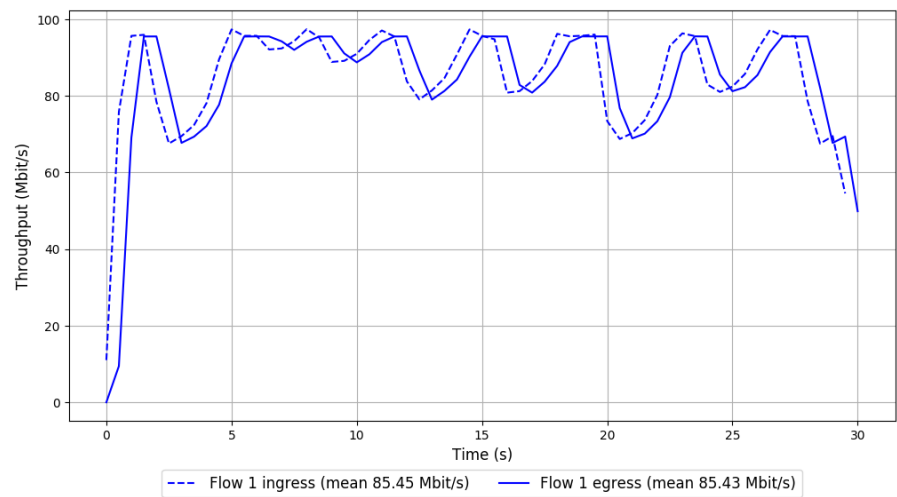


Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 12:35:13
End at: 2018-08-22 12:35:43
Local clock offset: 0.193 ms
Remote clock offset: -1.481 ms

Below is generated by plot.py at 2018-08-22 15:01:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 43.258 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 43.258 ms
Loss rate: 0.25%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 12:57:38

End at: 2018-08-22 12:58:08

Local clock offset: 0.303 ms

Remote clock offset: -1.89 ms

Below is generated by plot.py at 2018-08-22 15:02:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.12 Mbit/s

95th percentile per-packet one-way delay: 43.425 ms

Loss rate: 0.28%

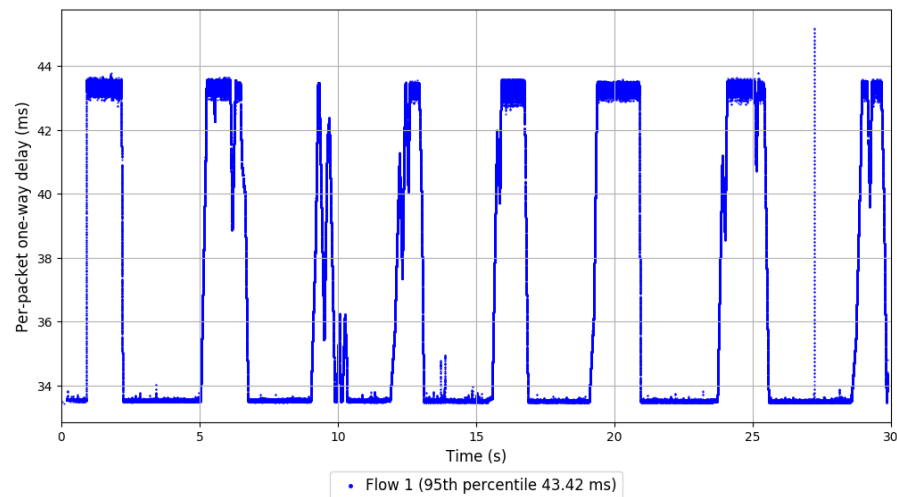
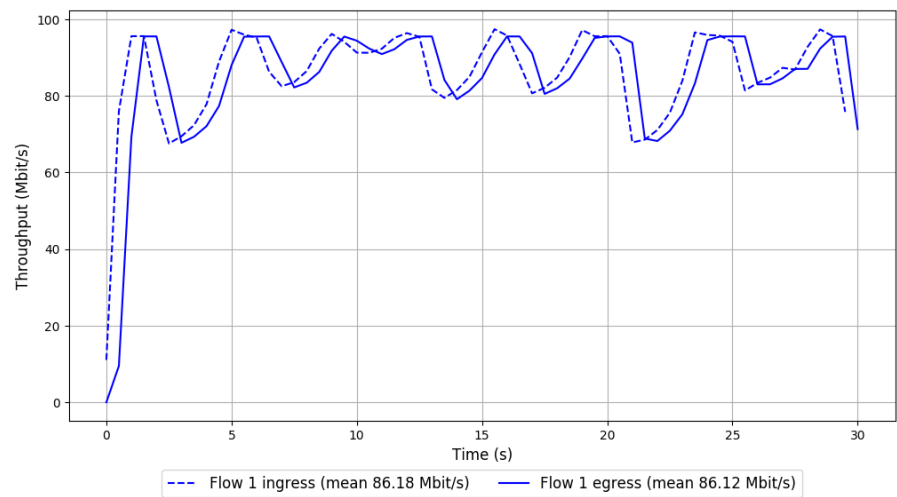
-- Flow 1:

Average throughput: 86.12 Mbit/s

95th percentile per-packet one-way delay: 43.425 ms

Loss rate: 0.28%

Run 6: Report of PCC-Expr — Data Link

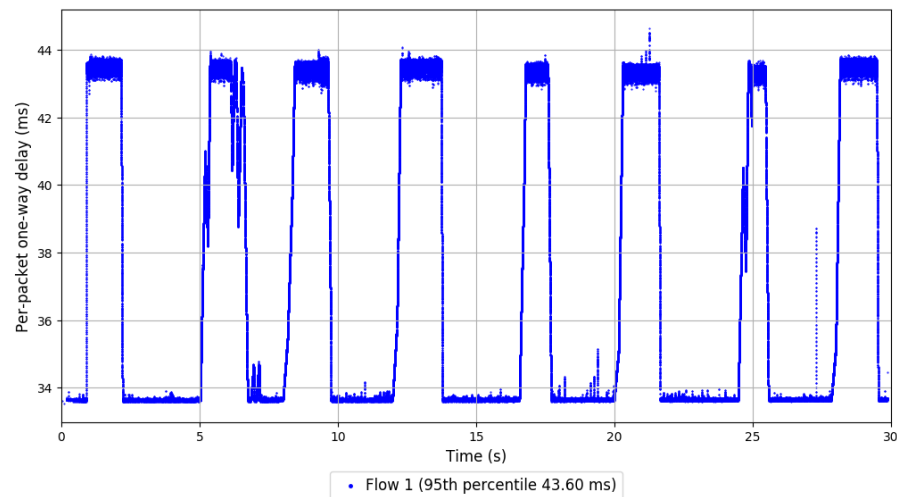
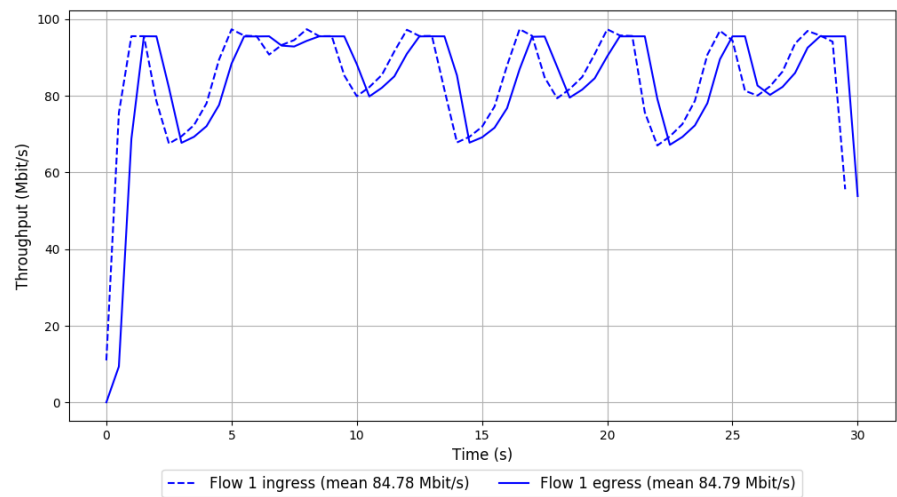


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 13:20:02
End at: 2018-08-22 13:20:32
Local clock offset: 0.243 ms
Remote clock offset: -1.189 ms

Below is generated by plot.py at 2018-08-22 15:02:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 43.597 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 43.597 ms
Loss rate: 0.21%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 13:42:23

End at: 2018-08-22 13:42:53

Local clock offset: 0.133 ms

Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-08-22 15:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 43.352 ms

Loss rate: 0.27%

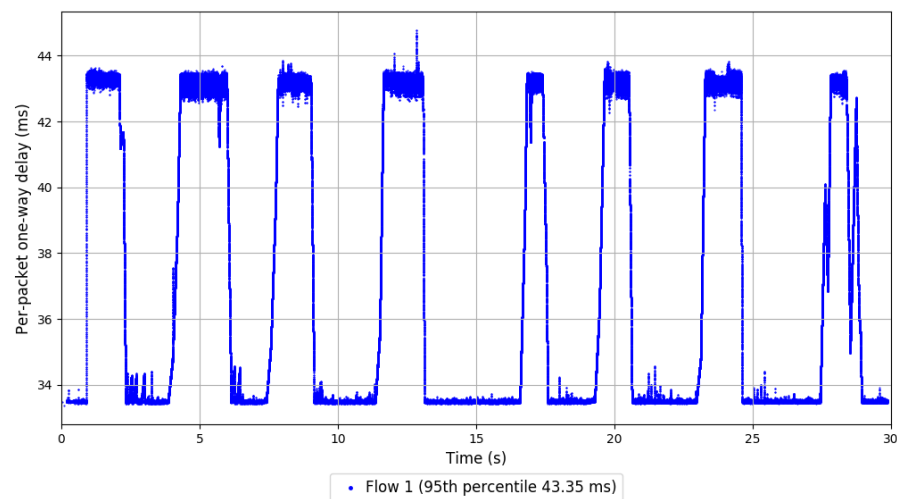
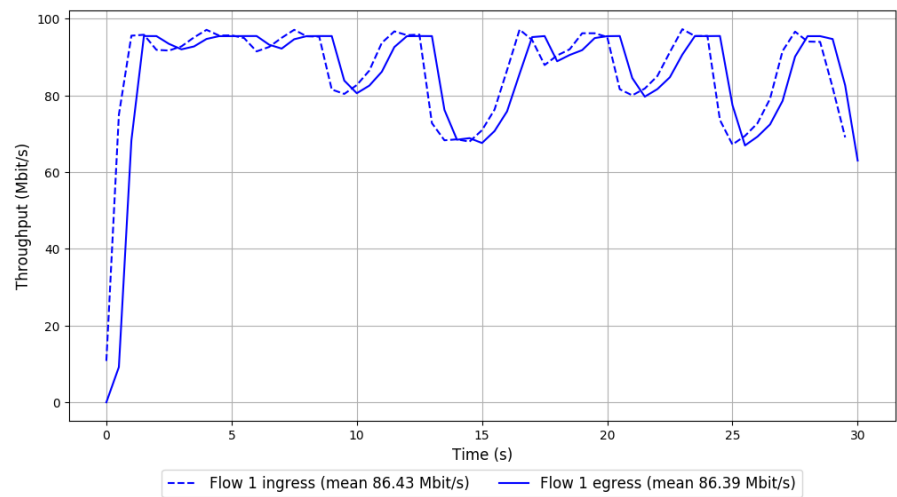
-- Flow 1:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 43.352 ms

Loss rate: 0.27%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 14:04:45

End at: 2018-08-22 14:05:15

Local clock offset: 0.239 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-08-22 15:03:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.58 Mbit/s

95th percentile per-packet one-way delay: 43.507 ms

Loss rate: 0.24%

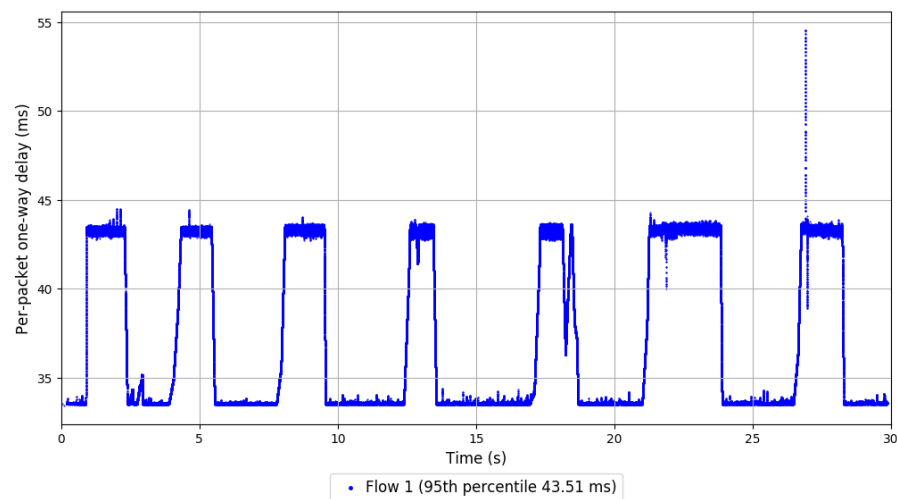
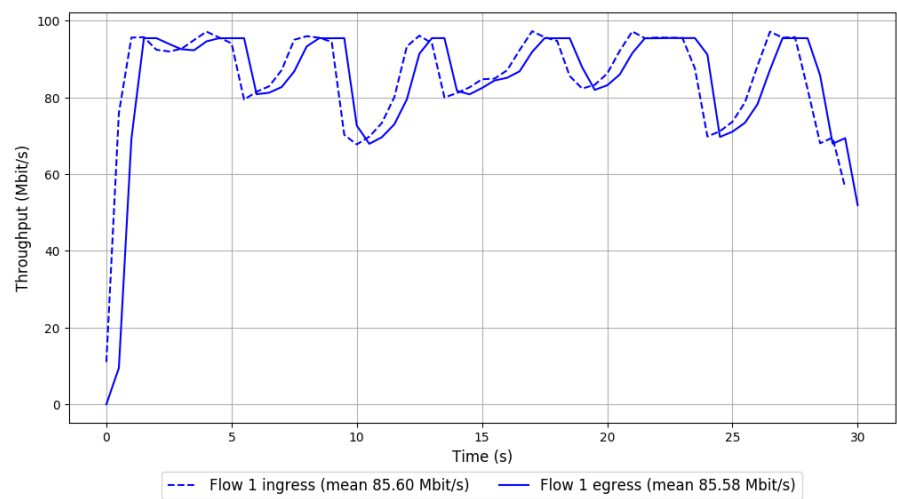
-- Flow 1:

Average throughput: 85.58 Mbit/s

95th percentile per-packet one-way delay: 43.507 ms

Loss rate: 0.24%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 14:27:03

End at: 2018-08-22 14:27:34

Local clock offset: 0.214 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-08-22 15:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 43.440 ms

Loss rate: 0.34%

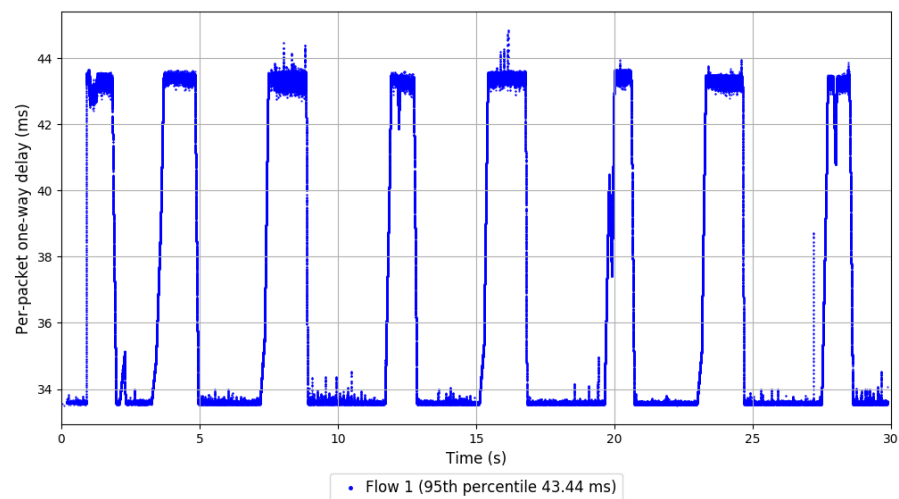
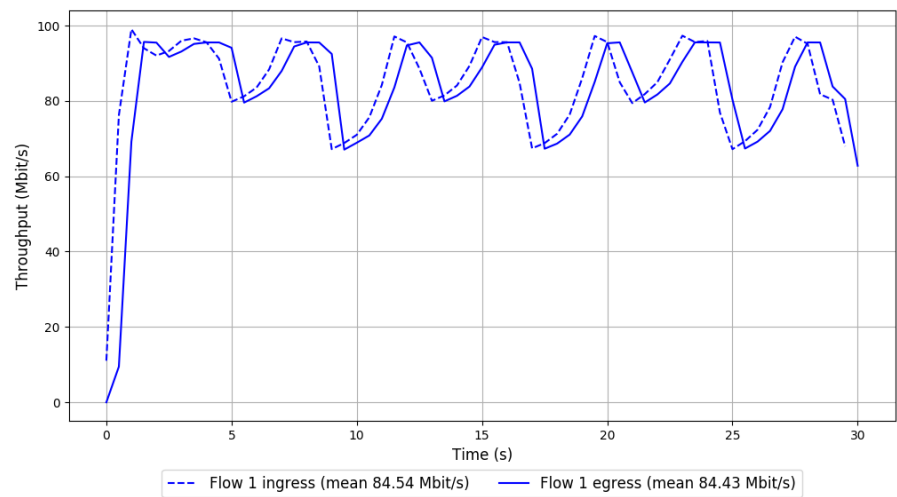
-- Flow 1:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 43.440 ms

Loss rate: 0.34%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 11:19:39

End at: 2018-08-22 11:20:09

Local clock offset: 1.083 ms

Remote clock offset: -3.156 ms

Below is generated by plot.py at 2018-08-22 15:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 42.515 ms

Loss rate: 0.28%

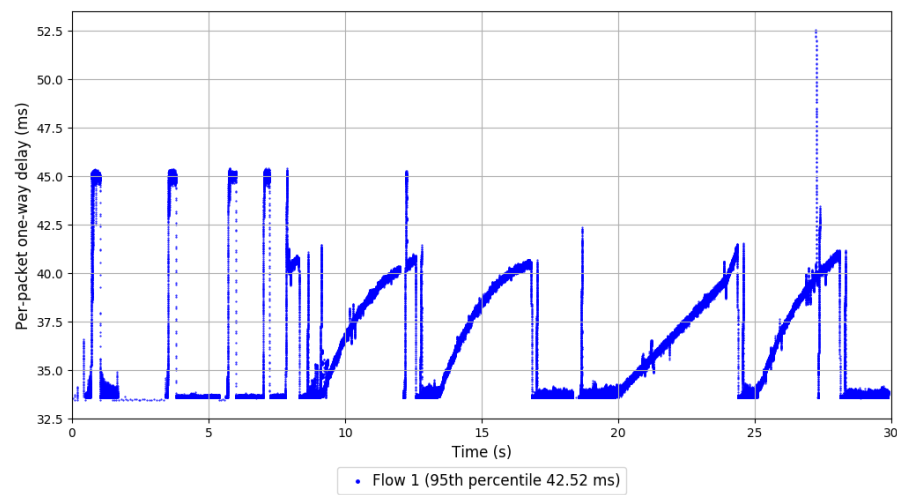
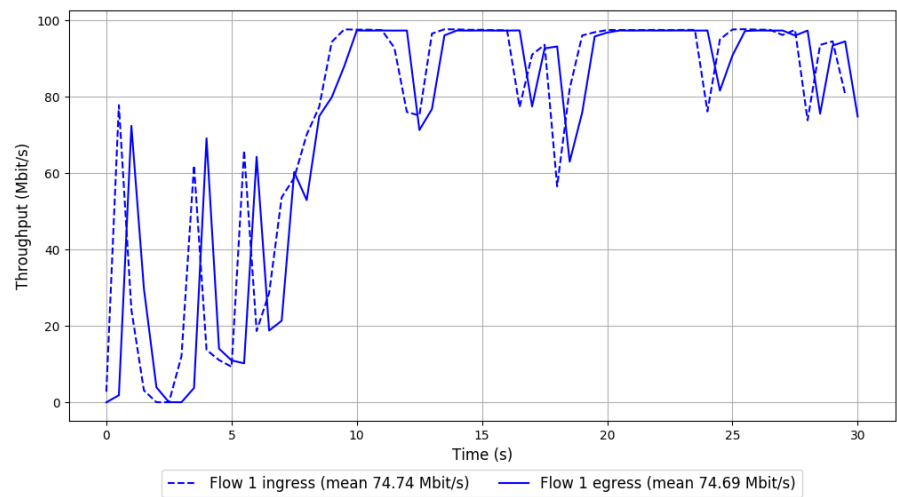
-- Flow 1:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 42.515 ms

Loss rate: 0.28%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 11:42:22

End at: 2018-08-22 11:42:52

Local clock offset: 1.036 ms

Remote clock offset: -0.89 ms

Below is generated by plot.py at 2018-08-22 15:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 42.014 ms

Loss rate: 0.29%

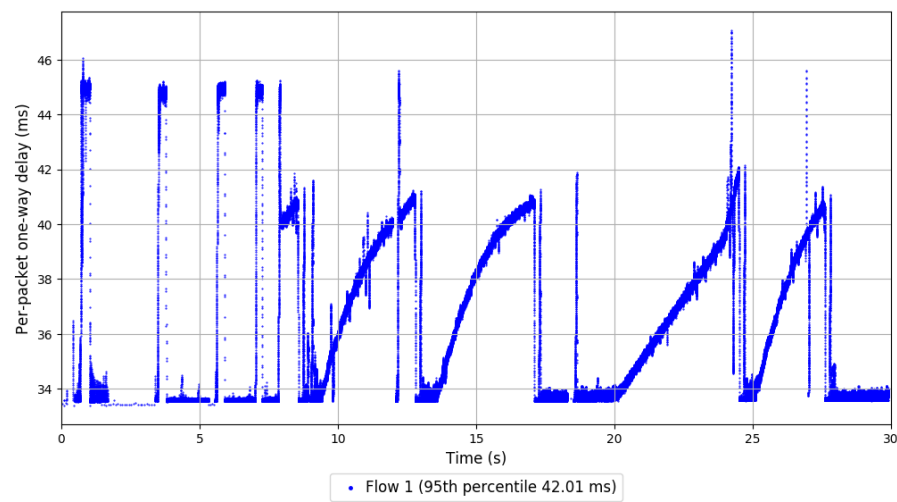
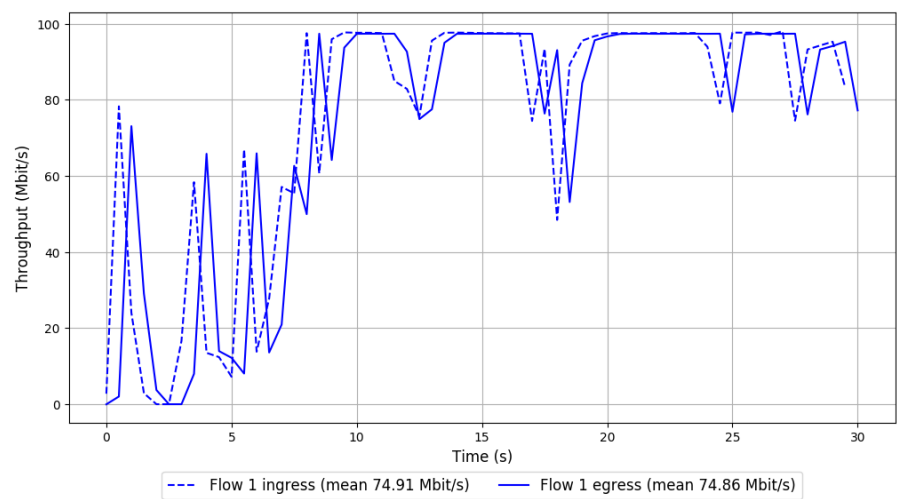
-- Flow 1:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 42.014 ms

Loss rate: 0.29%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 12:04:56

End at: 2018-08-22 12:05:26

Local clock offset: 0.974 ms

Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-08-22 15:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 42.621 ms

Loss rate: 0.31%

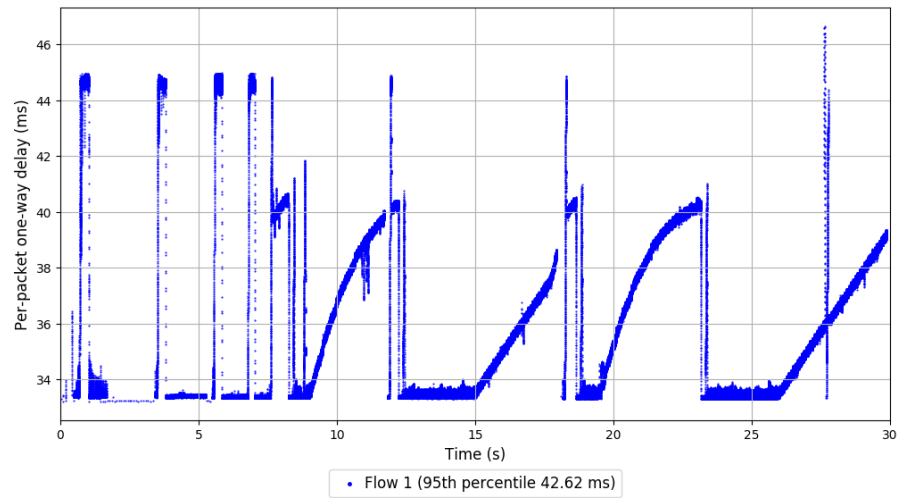
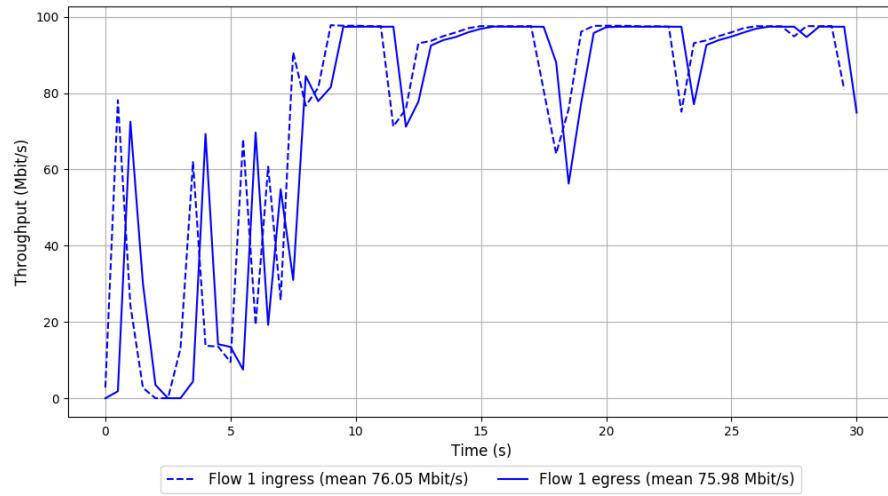
-- Flow 1:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 42.621 ms

Loss rate: 0.31%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 12:27:14

End at: 2018-08-22 12:27:44

Local clock offset: 0.223 ms

Remote clock offset: -1.144 ms

Below is generated by plot.py at 2018-08-22 15:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.10 Mbit/s

95th percentile per-packet one-way delay: 42.546 ms

Loss rate: 0.24%

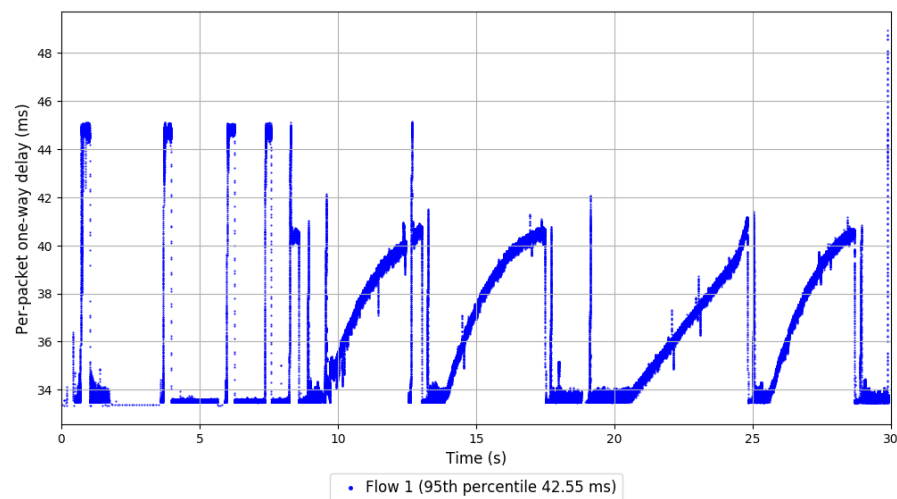
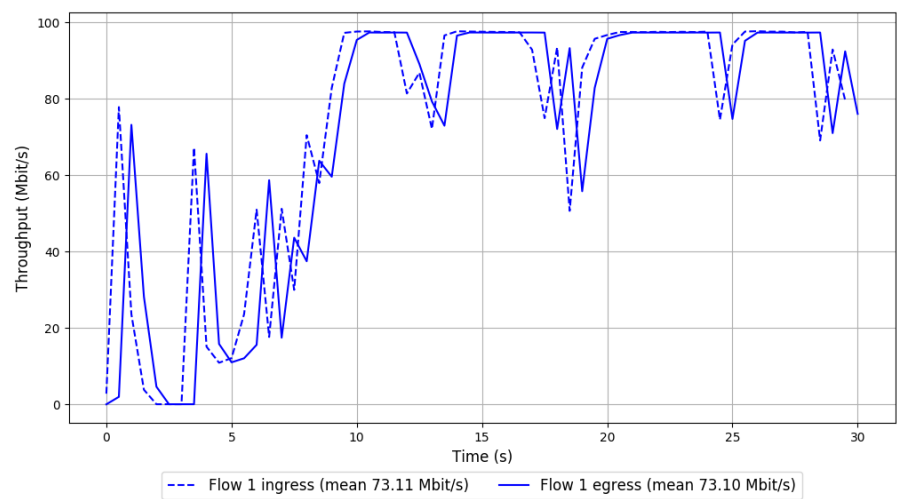
-- Flow 1:

Average throughput: 73.10 Mbit/s

95th percentile per-packet one-way delay: 42.546 ms

Loss rate: 0.24%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 12:49:44

End at: 2018-08-22 12:50:14

Local clock offset: 0.291 ms

Remote clock offset: -1.631 ms

Below is generated by plot.py at 2018-08-22 15:03:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 42.971 ms

Loss rate: 0.28%

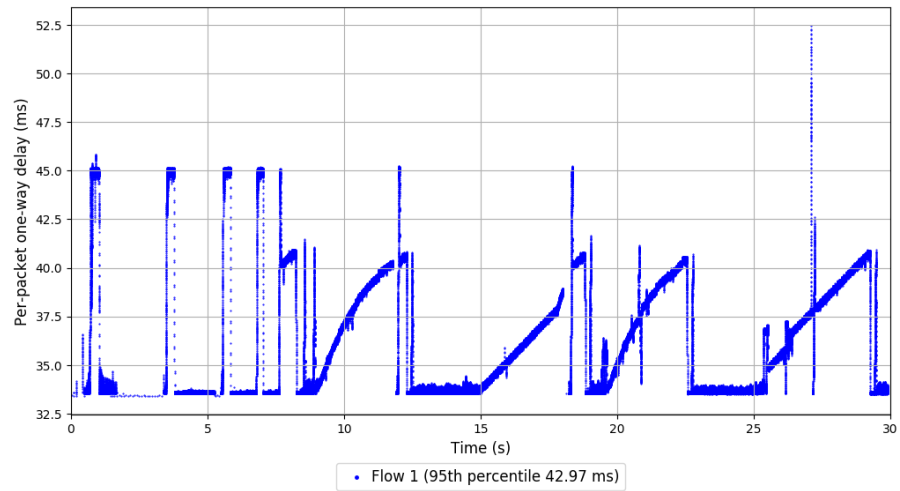
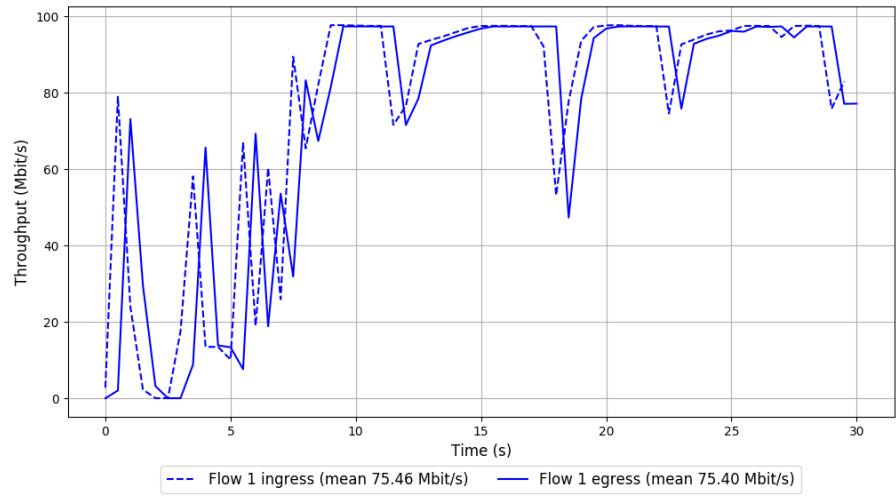
-- Flow 1:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 42.971 ms

Loss rate: 0.28%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 13:12:09

End at: 2018-08-22 13:12:39

Local clock offset: 0.288 ms

Remote clock offset: -1.81 ms

Below is generated by plot.py at 2018-08-22 15:04:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 42.842 ms

Loss rate: 0.31%

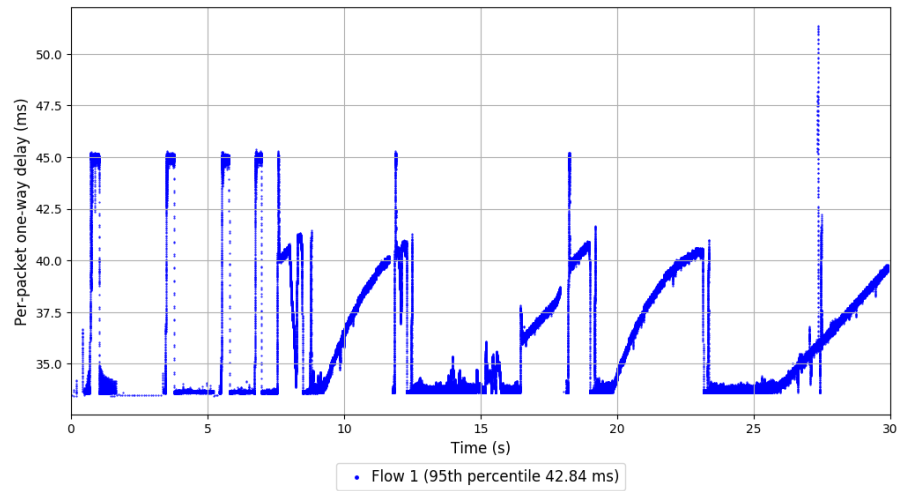
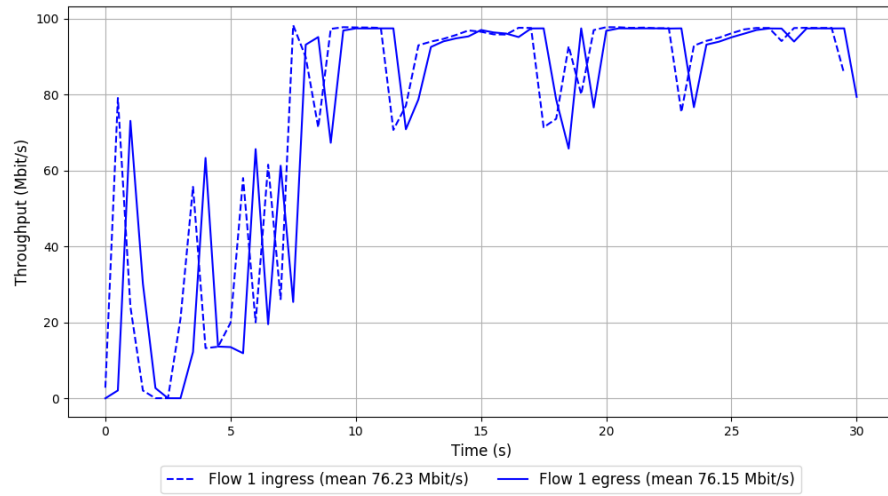
-- Flow 1:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 42.842 ms

Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link

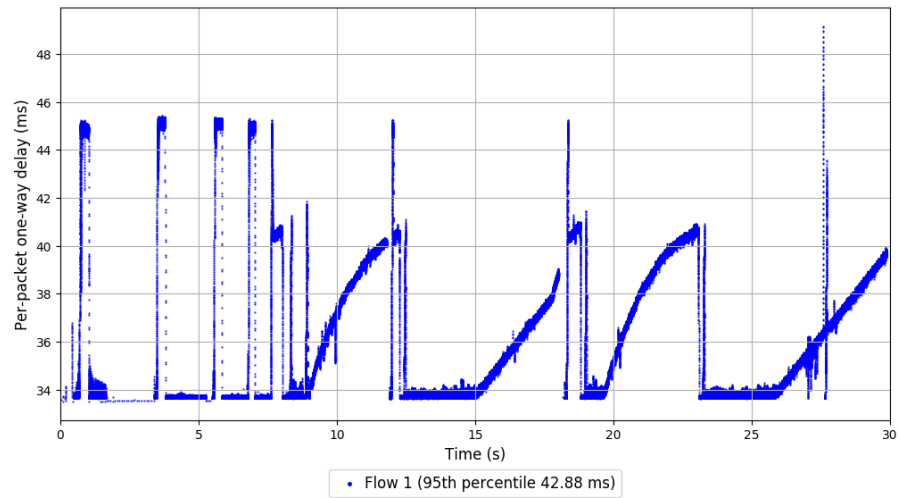
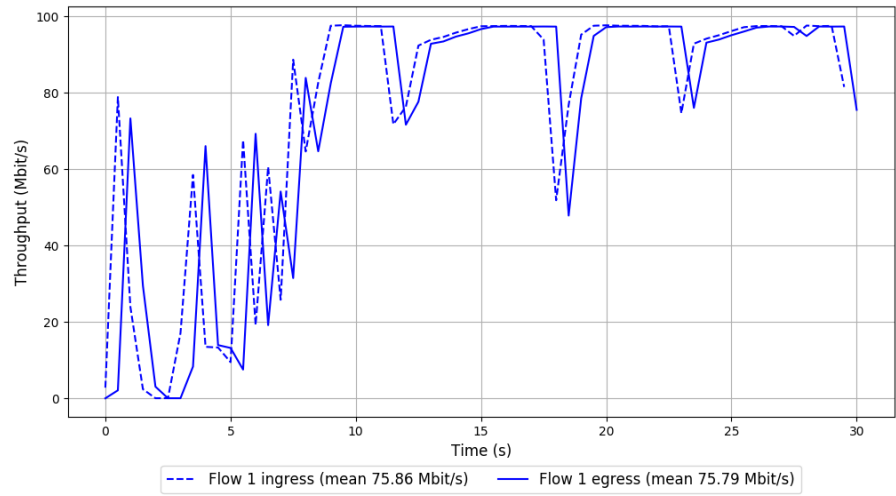


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 13:34:30
End at: 2018-08-22 13:35:00
Local clock offset: 0.23 ms
Remote clock offset: -0.687 ms

Below is generated by plot.py at 2018-08-22 15:04:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 42.875 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 42.875 ms
Loss rate: 0.31%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 13:56:52

End at: 2018-08-22 13:57:22

Local clock offset: 0.228 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-08-22 15:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 40.700 ms

Loss rate: 0.25%

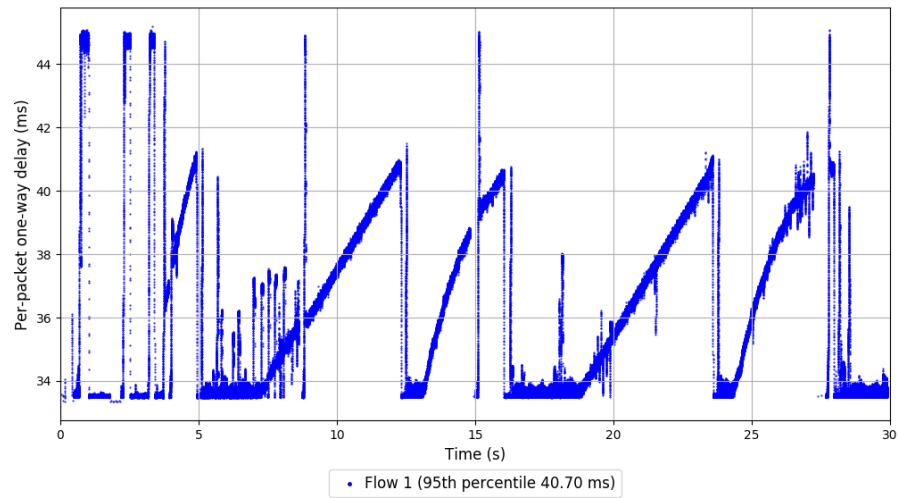
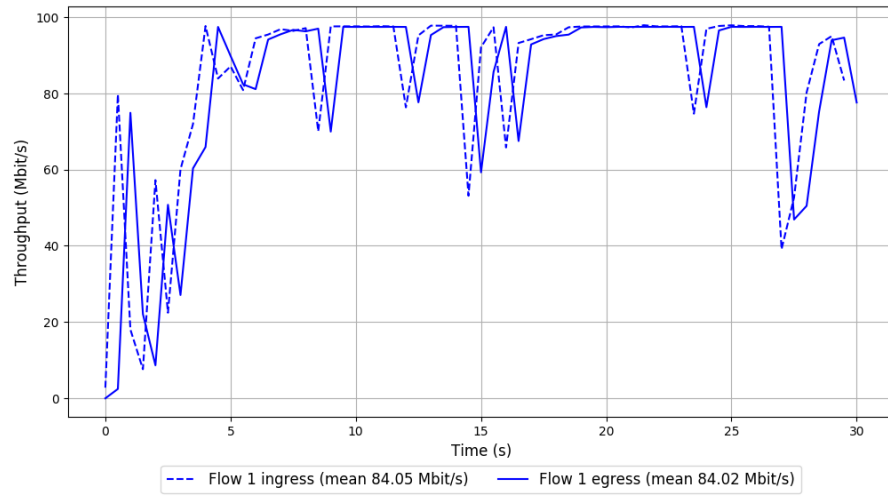
-- Flow 1:

Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 40.700 ms

Loss rate: 0.25%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 14:19:12

End at: 2018-08-22 14:19:42

Local clock offset: 0.211 ms

Remote clock offset: 0.622 ms

Below is generated by plot.py at 2018-08-22 15:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 42.654 ms

Loss rate: 0.30%

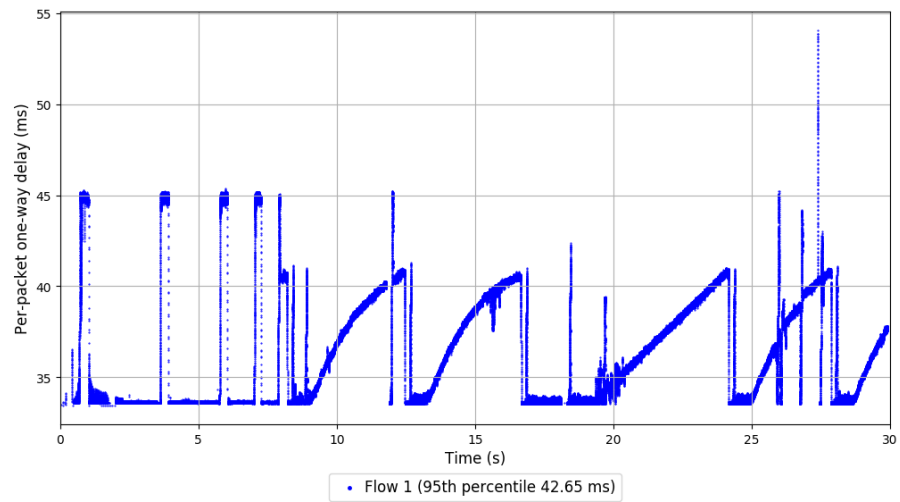
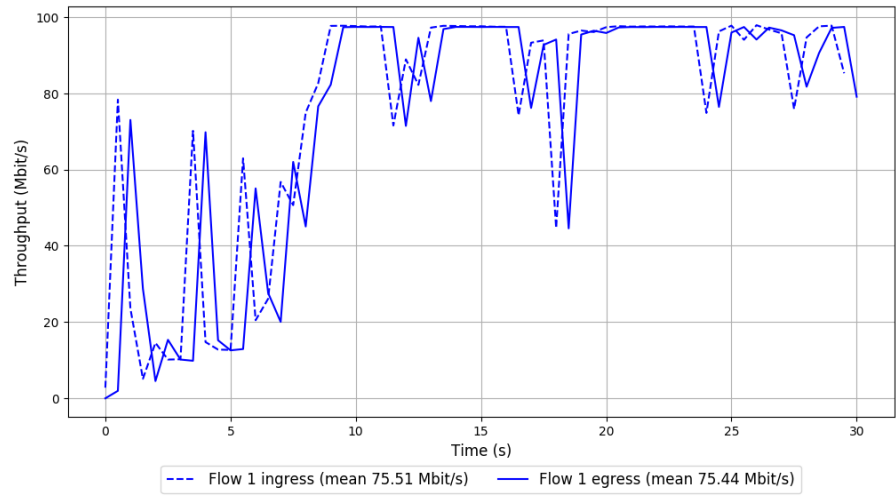
-- Flow 1:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 42.654 ms

Loss rate: 0.30%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 14:41:32

End at: 2018-08-22 14:42:02

Local clock offset: 0.227 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-08-22 15:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.59 Mbit/s

95th percentile per-packet one-way delay: 42.952 ms

Loss rate: 0.31%

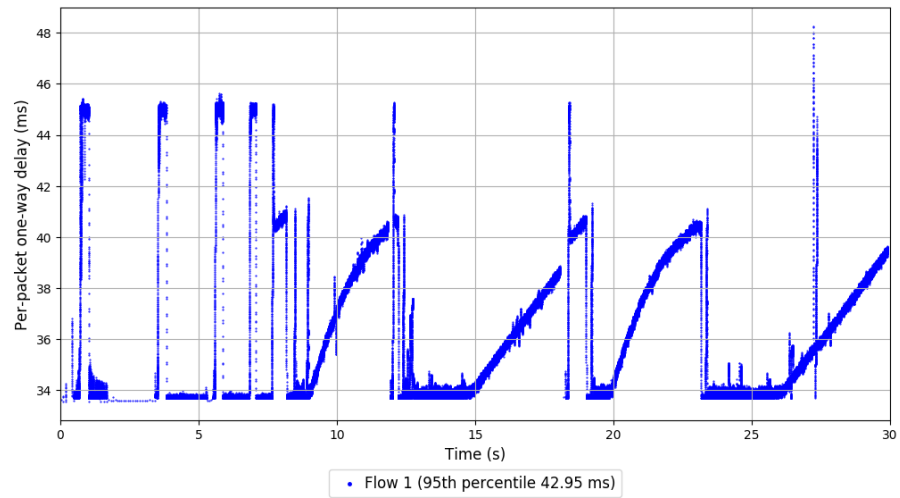
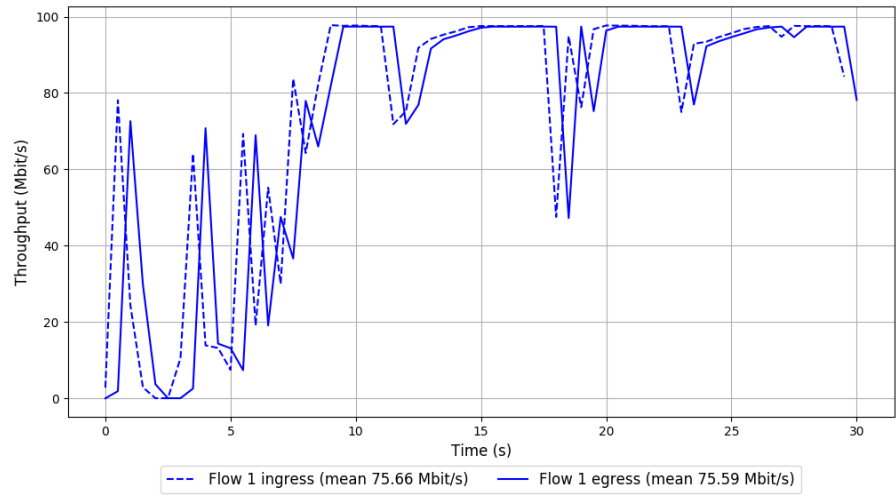
-- Flow 1:

Average throughput: 75.59 Mbit/s

95th percentile per-packet one-way delay: 42.952 ms

Loss rate: 0.31%

Run 10: Report of QUIC Cubic — Data Link

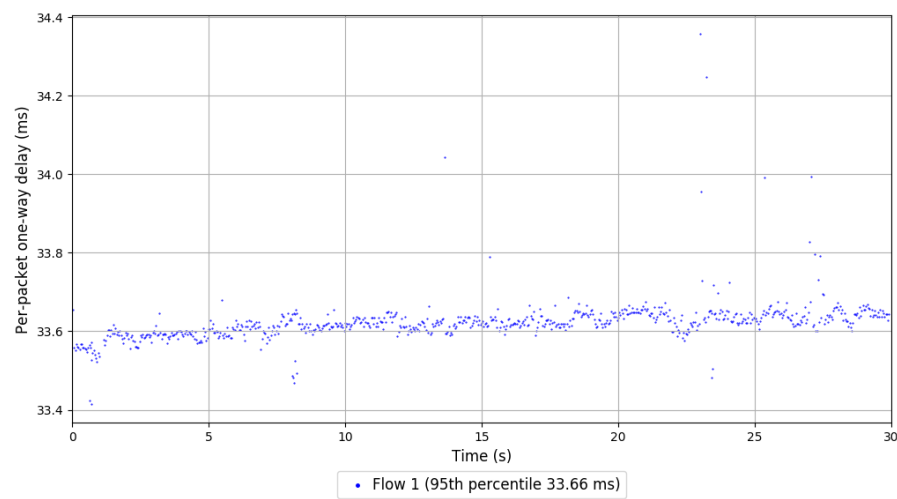
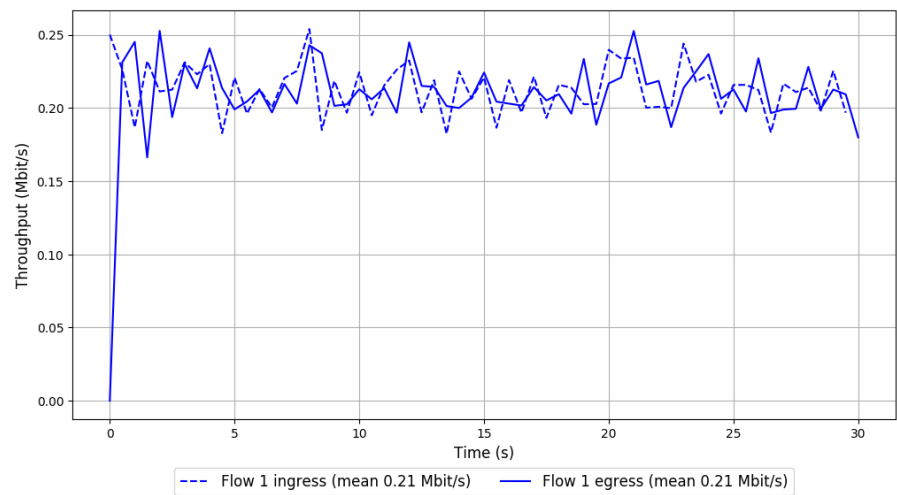


```
Run 1: Statistics of SCReAM

Start at: 2018-08-22 11:09:09
End at: 2018-08-22 11:09:39
Local clock offset: 1.498 ms
Remote clock offset: -2.897 ms

# Below is generated by plot.py at 2018-08-22 15:04:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.662 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.662 ms
Loss rate: 0.26%
```

Run 1: Report of SReAM — Data Link

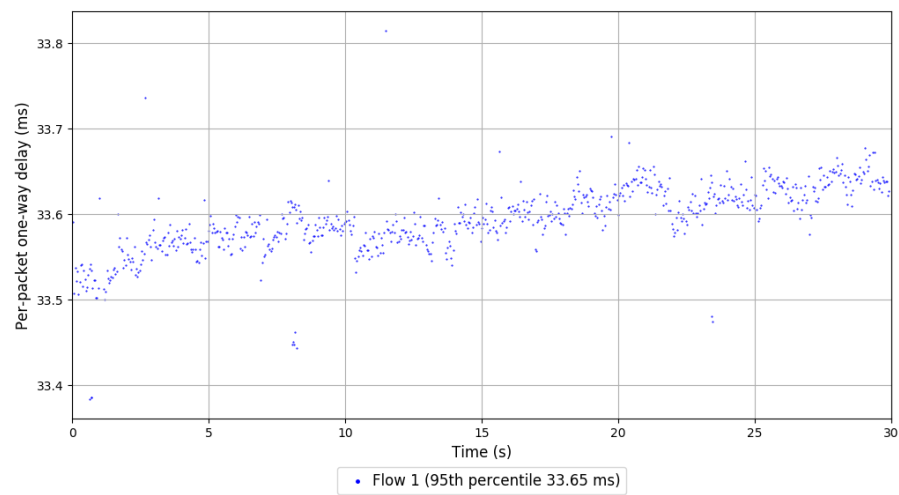
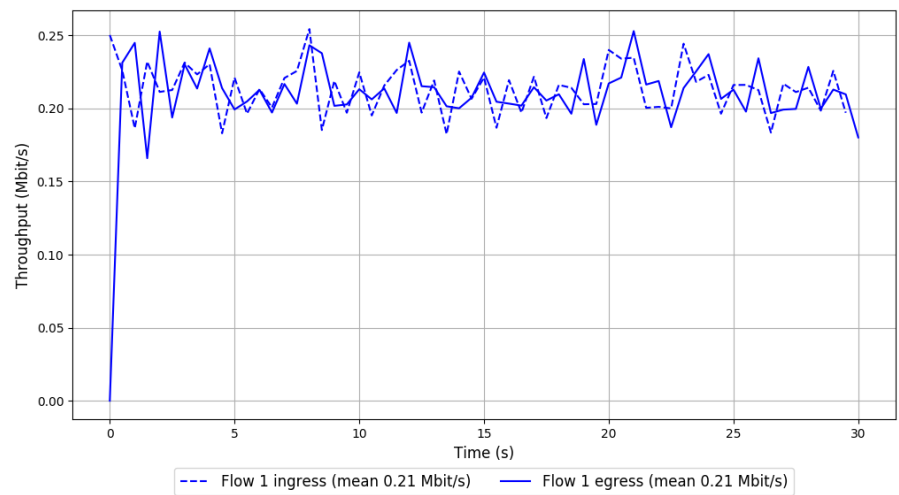


Run 2: Statistics of SCReAM

Start at: 2018-08-22 11:31:35
End at: 2018-08-22 11:32:05
Local clock offset: 1.287 ms
Remote clock offset: -2.161 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.648 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.648 ms
Loss rate: 0.26%

Run 2: Report of SReAM — Data Link

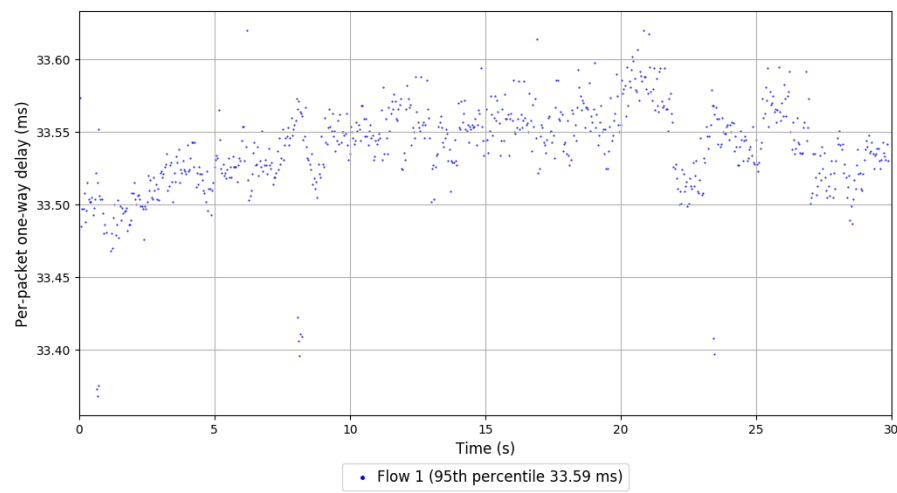
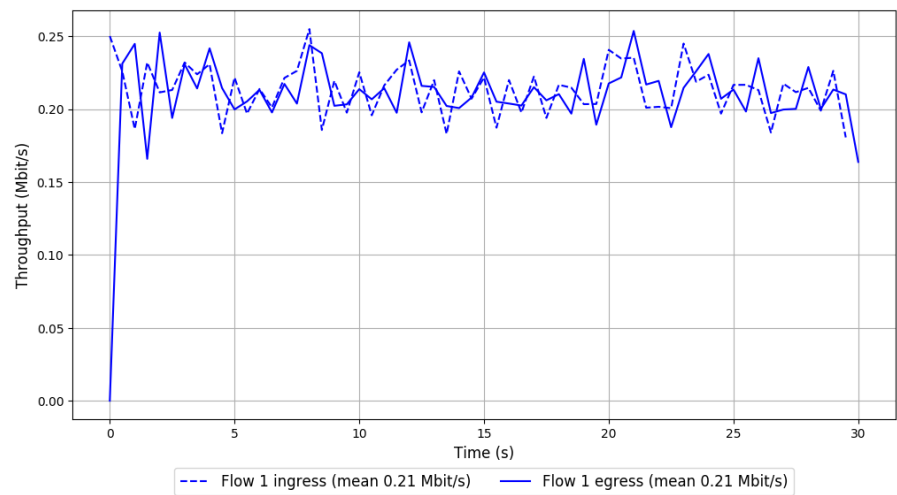


Run 3: Statistics of SCReAM

Start at: 2018-08-22 11:54:26
End at: 2018-08-22 11:54:56
Local clock offset: 0.873 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.585 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.585 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link

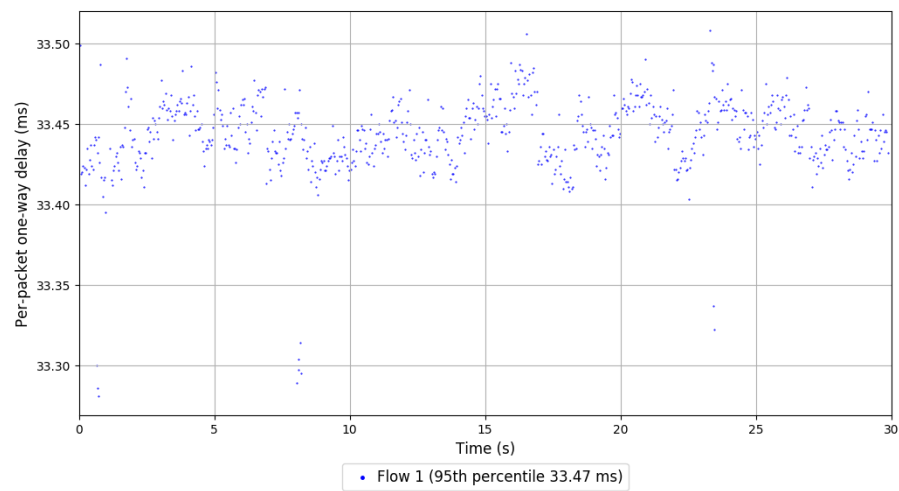
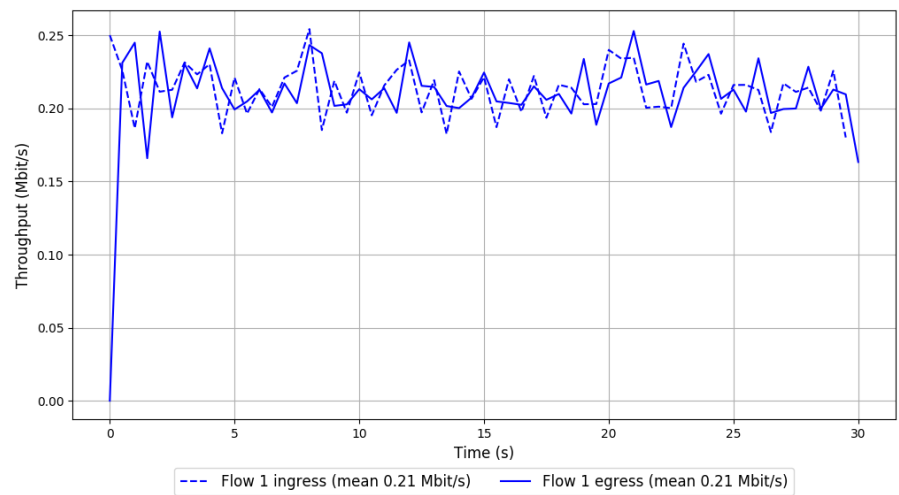


Run 4: Statistics of SCReAM

Start at: 2018-08-22 12:16:45
End at: 2018-08-22 12:17:15
Local clock offset: 0.38 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.26%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-22 12:39:13

End at: 2018-08-22 12:39:43

Local clock offset: 0.117 ms

Remote clock offset: -1.33 ms

Below is generated by plot.py at 2018-08-22 15:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.488 ms

Loss rate: 0.13%

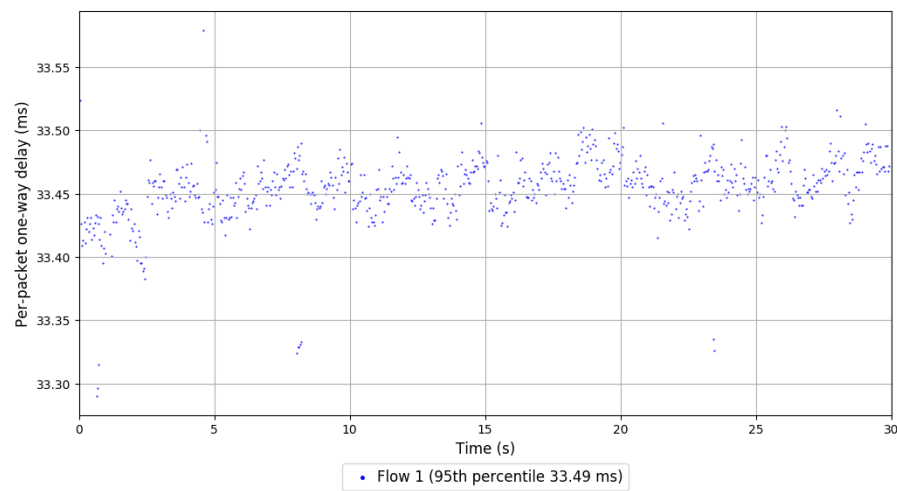
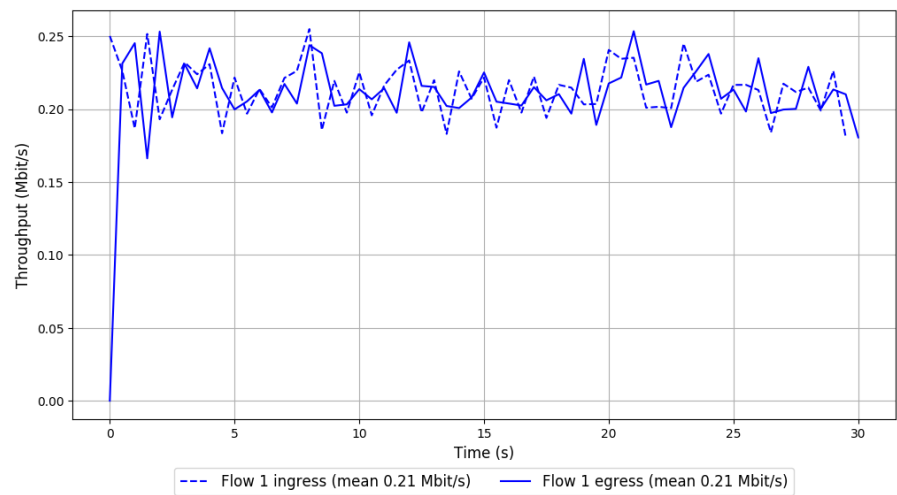
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.488 ms

Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

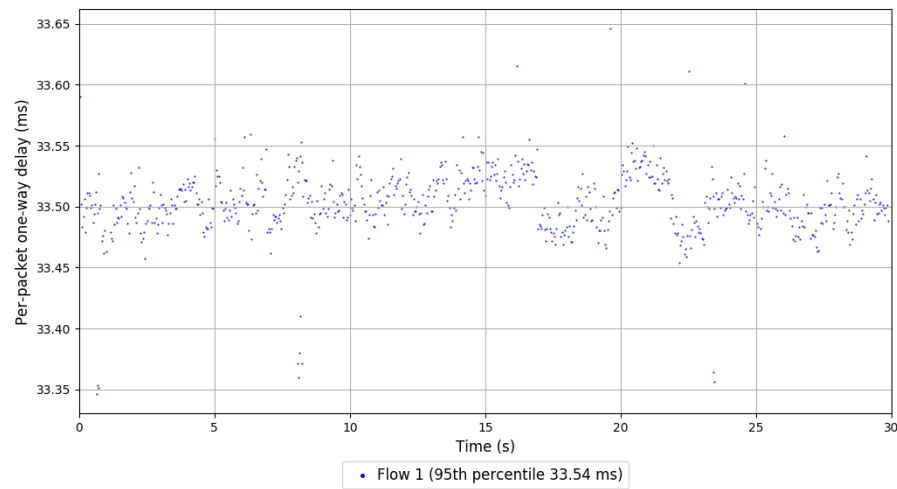
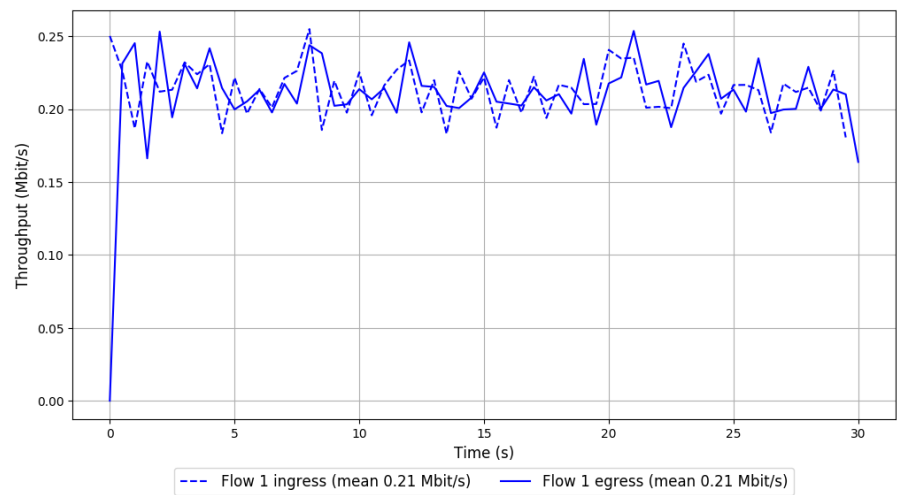


Run 6: Statistics of SCReAM

Start at: 2018-08-22 13:01:39
End at: 2018-08-22 13:02:10
Local clock offset: 0.24 ms
Remote clock offset: -2.016 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.538 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.538 ms
Loss rate: 0.26%

Run 6: Report of SReAM — Data Link

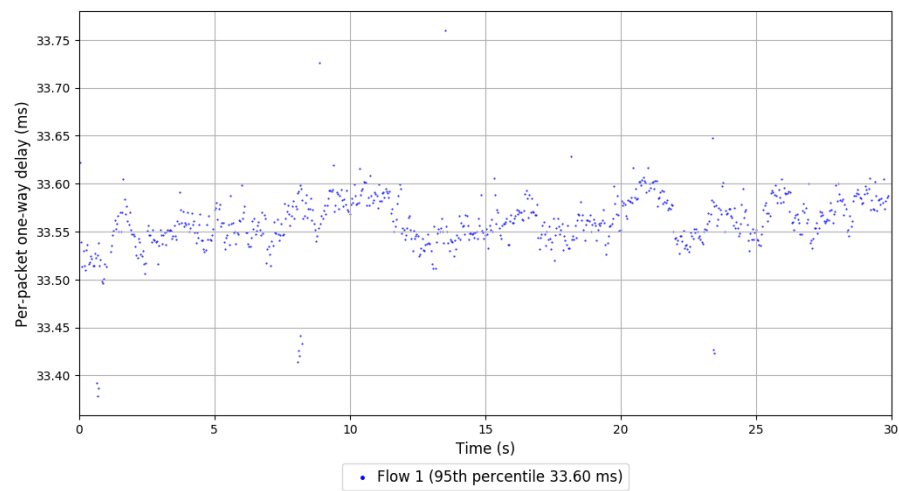
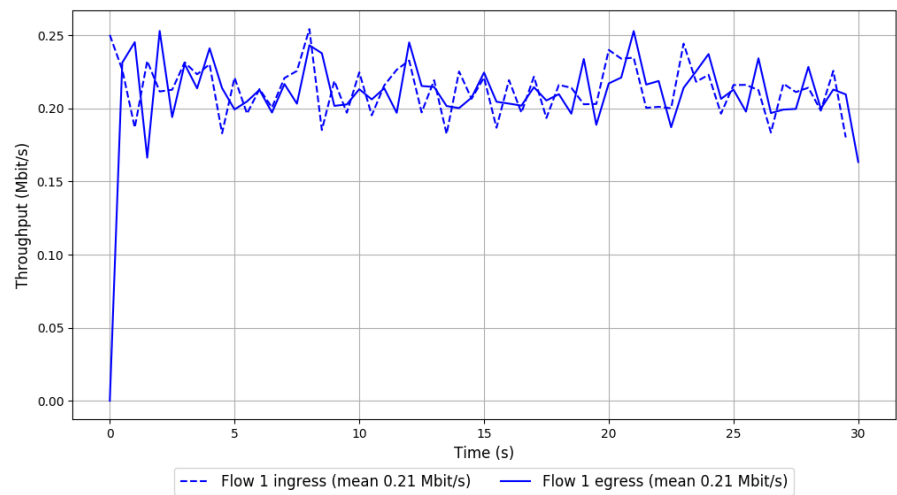


Run 7: Statistics of SCReAM

Start at: 2018-08-22 13:24:00
End at: 2018-08-22 13:24:30
Local clock offset: 0.217 ms
Remote clock offset: -0.941 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.598 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.598 ms
Loss rate: 0.26%

Run 7: Report of SReAM — Data Link

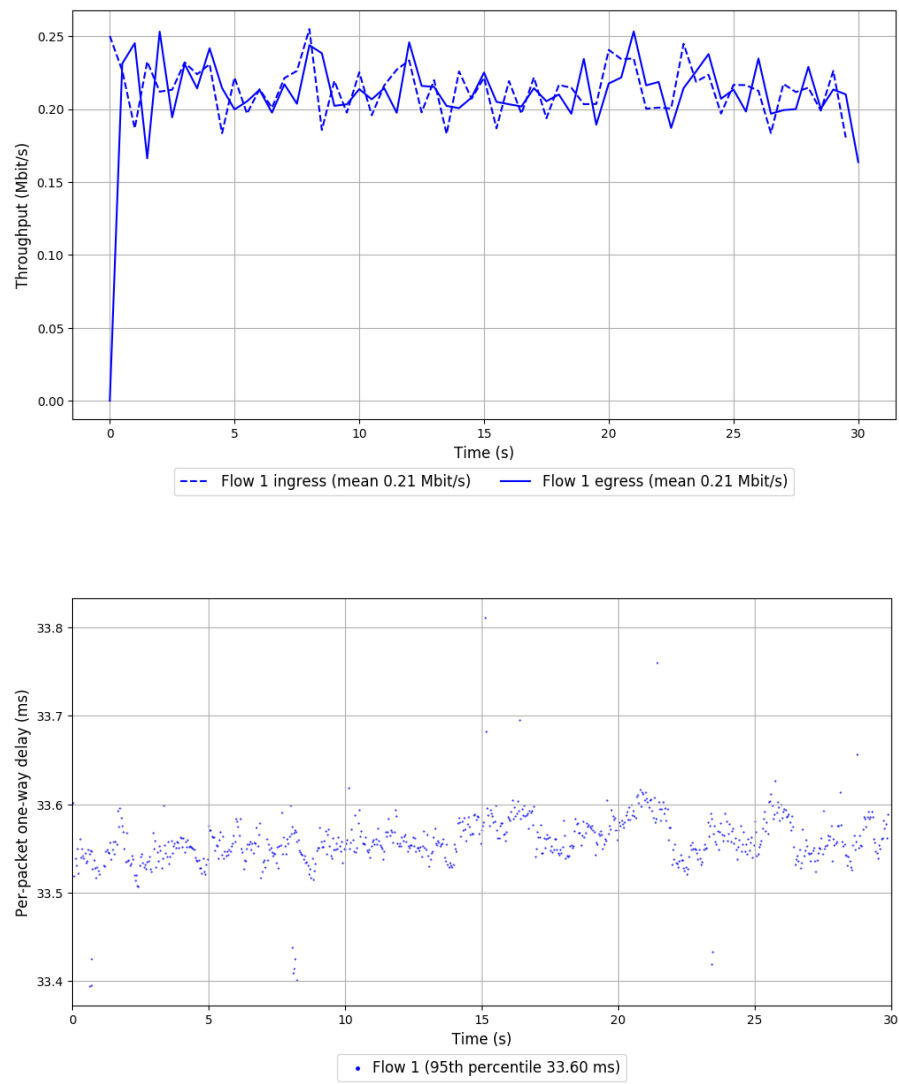


Run 8: Statistics of SReAM

Start at: 2018-08-22 13:46:23
End at: 2018-08-22 13:46:53
Local clock offset: 0.211 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.598 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.598 ms
Loss rate: 0.26%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-22 14:08:42

End at: 2018-08-22 14:09:12

Local clock offset: 0.139 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2018-08-22 15:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.510 ms

Loss rate: 0.26%

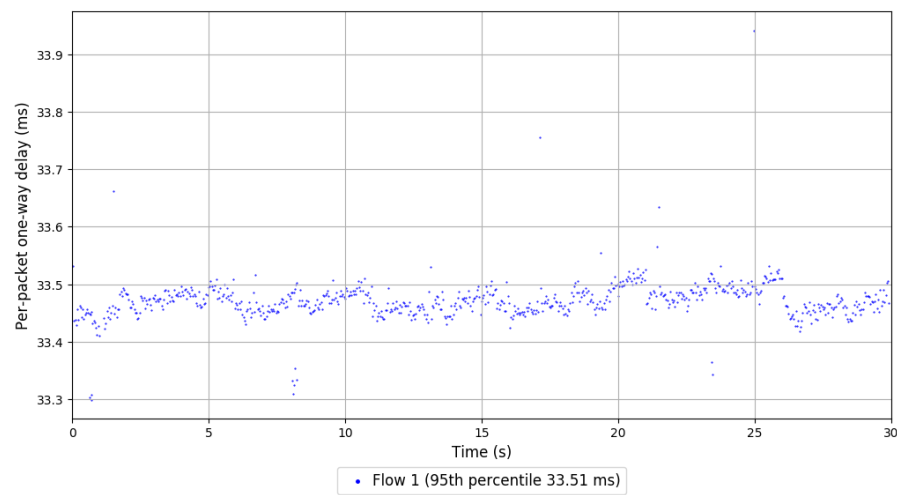
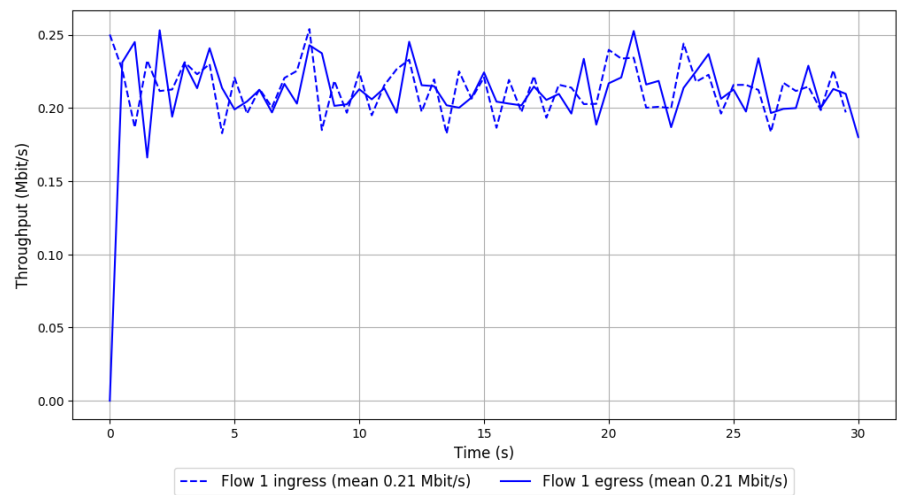
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.510 ms

Loss rate: 0.26%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-22 14:31:01

End at: 2018-08-22 14:31:31

Local clock offset: 0.211 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-08-22 15:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.602 ms

Loss rate: 0.26%

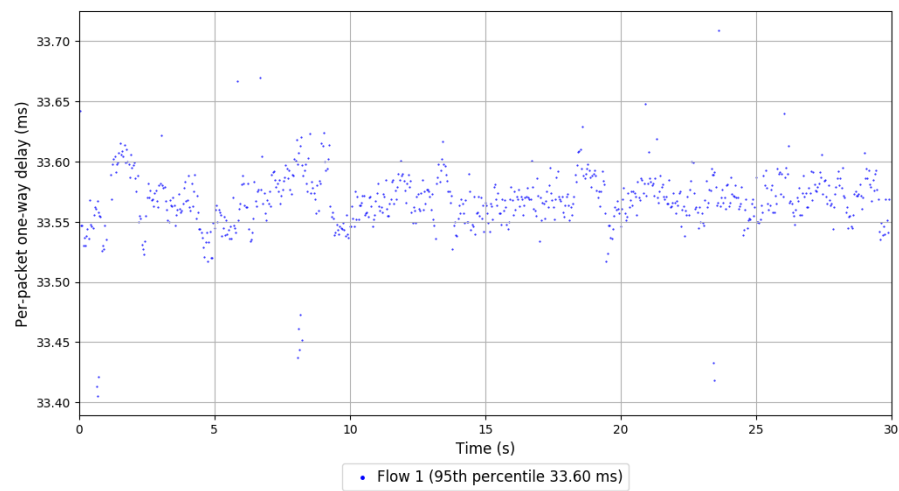
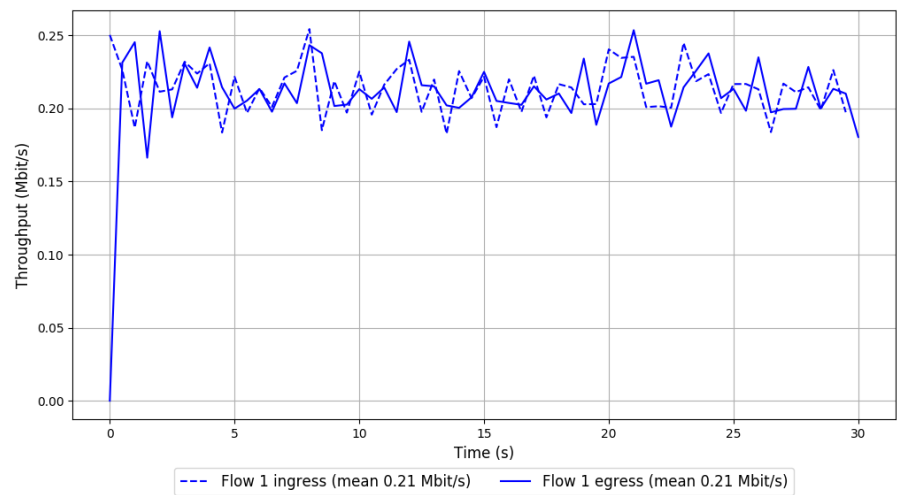
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.602 ms

Loss rate: 0.26%

Run 10: Report of SCRaM — Data Link

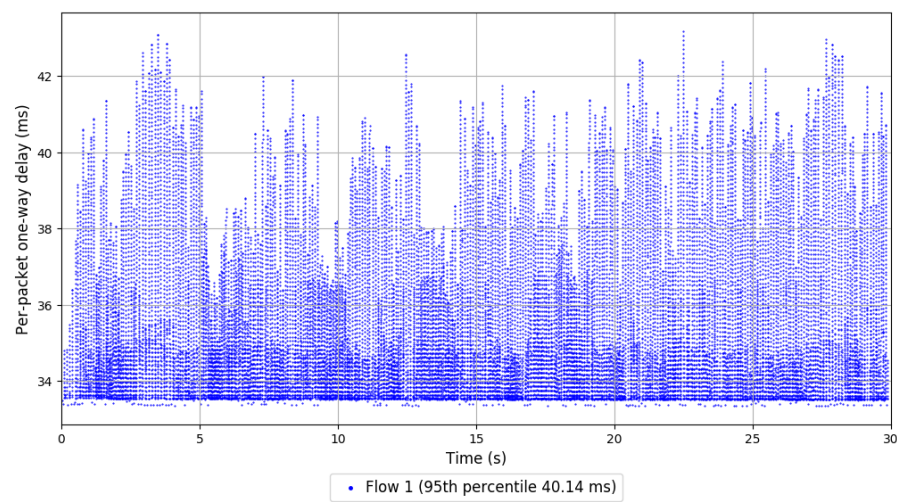
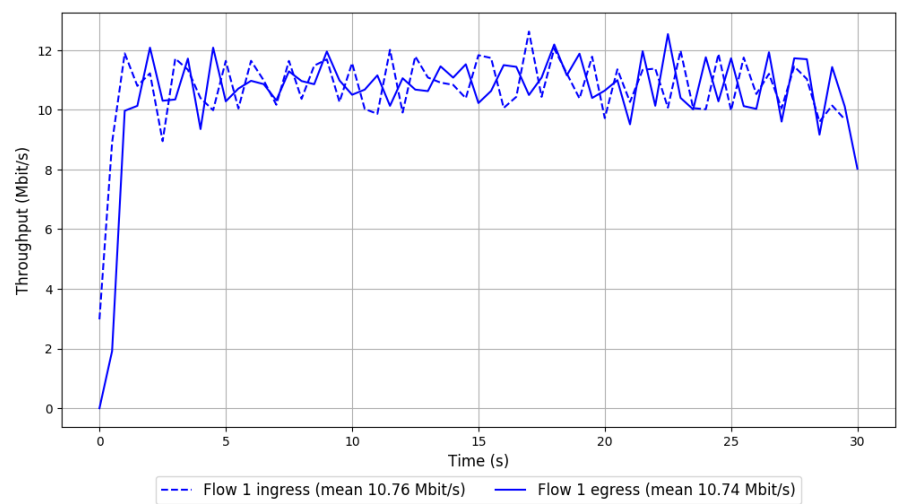


Run 1: Statistics of Sprout

Start at: 2018-08-22 11:22:16
End at: 2018-08-22 11:22:46
Local clock offset: 1.101 ms
Remote clock offset: -3.188 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 40.144 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 40.144 ms
Loss rate: 0.27%

Run 1: Report of Sprout — Data Link

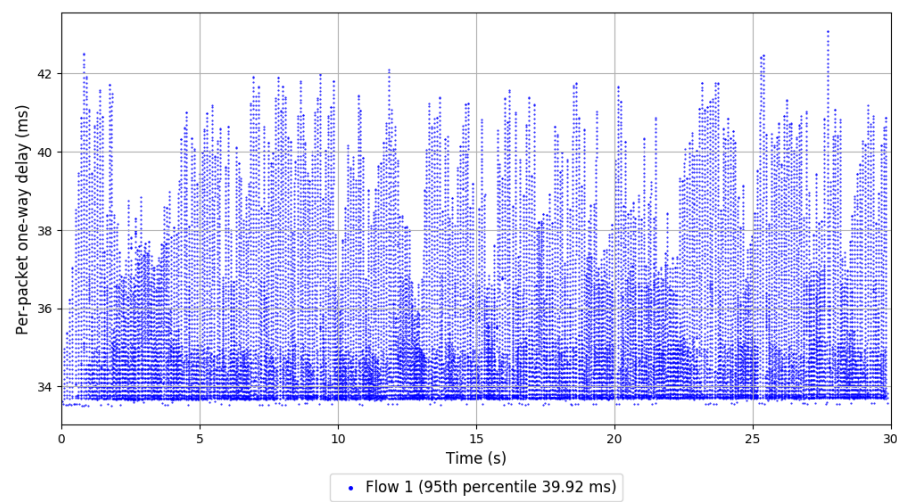
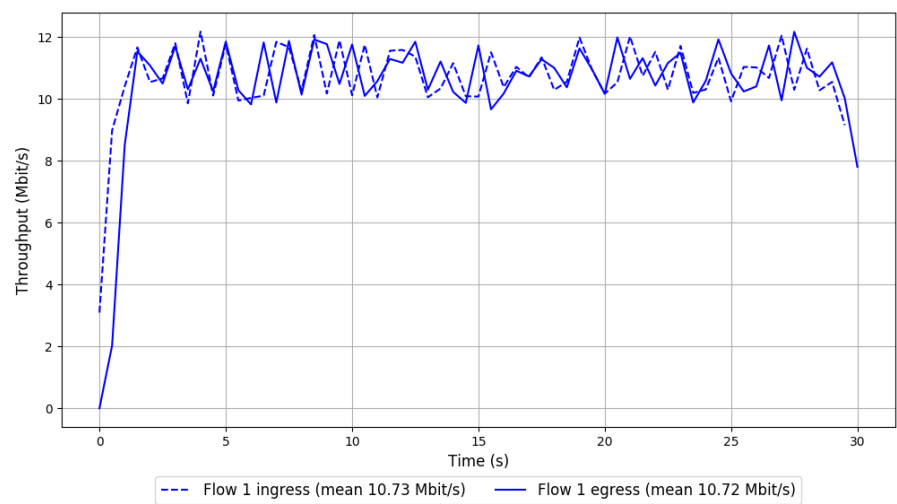


Run 2: Statistics of Sprout

Start at: 2018-08-22 11:45:03
End at: 2018-08-22 11:45:33
Local clock offset: 0.938 ms
Remote clock offset: -0.848 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 39.922 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 39.922 ms
Loss rate: 0.29%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-22 12:07:33

End at: 2018-08-22 12:08:03

Local clock offset: 0.982 ms

Remote clock offset: -0.7 ms

Below is generated by plot.py at 2018-08-22 15:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 40.381 ms

Loss rate: 0.22%

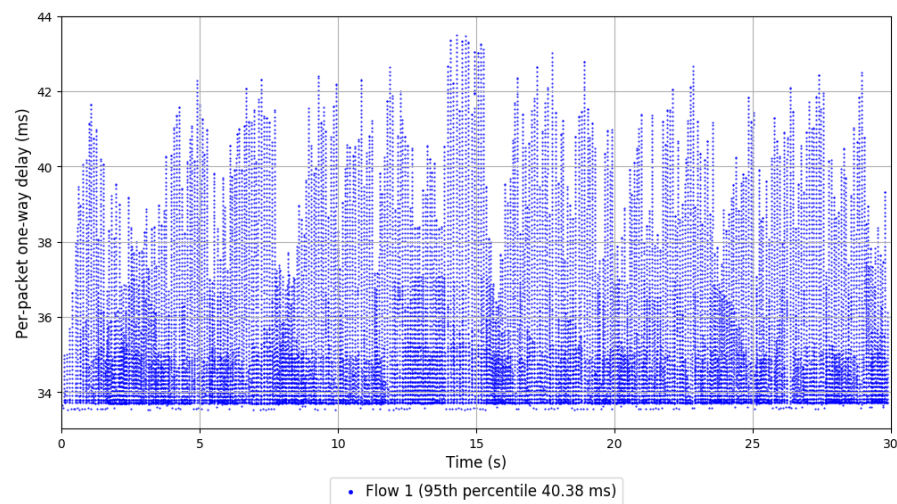
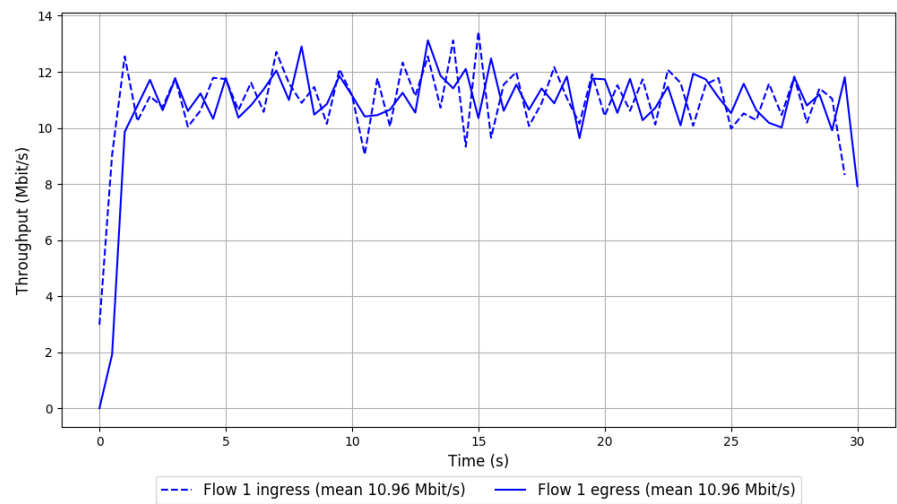
-- Flow 1:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 40.381 ms

Loss rate: 0.22%

Run 3: Report of Sprout — Data Link

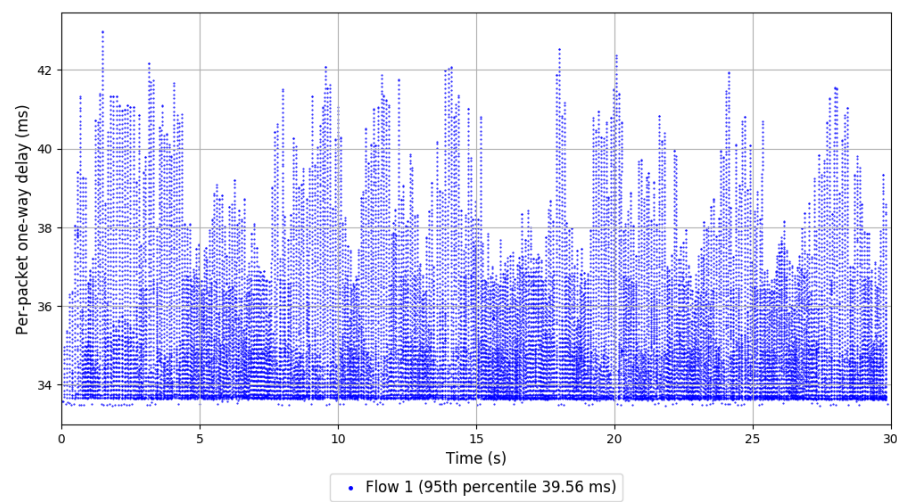
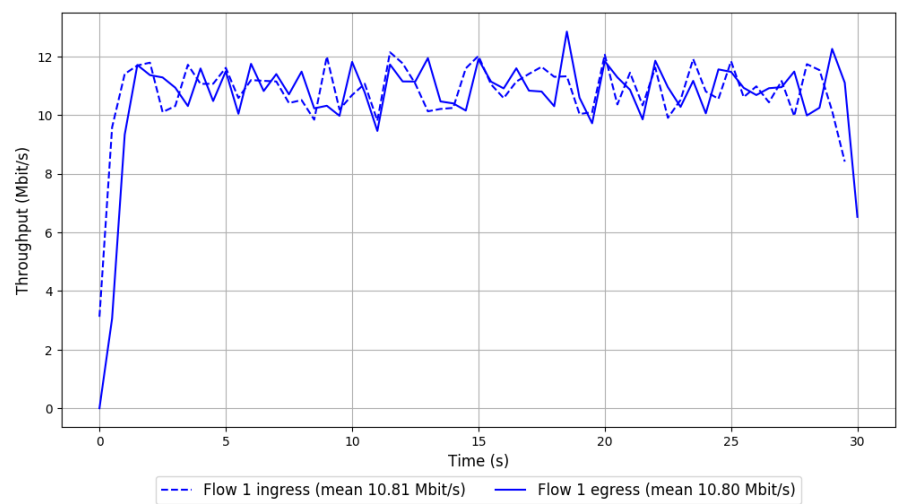


Run 4: Statistics of Sprout

Start at: 2018-08-22 12:29:52
End at: 2018-08-22 12:30:22
Local clock offset: 0.194 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 39.557 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 39.557 ms
Loss rate: 0.29%

Run 4: Report of Sprout — Data Link

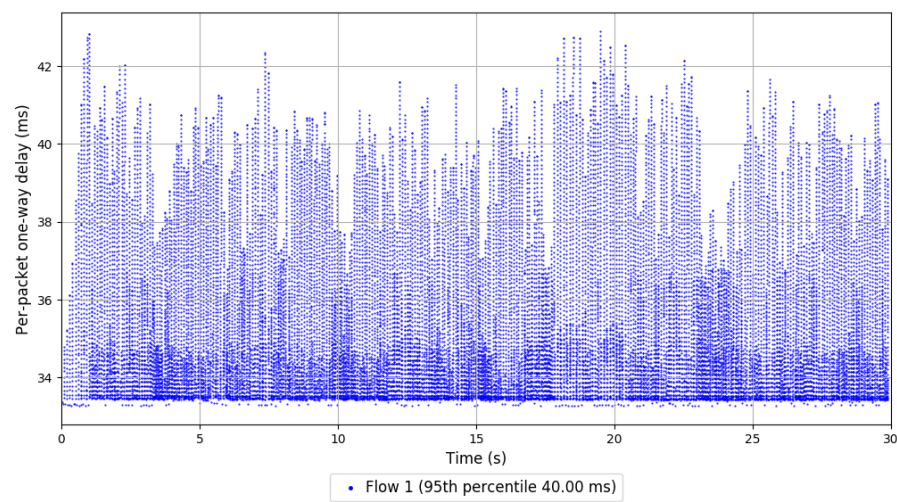
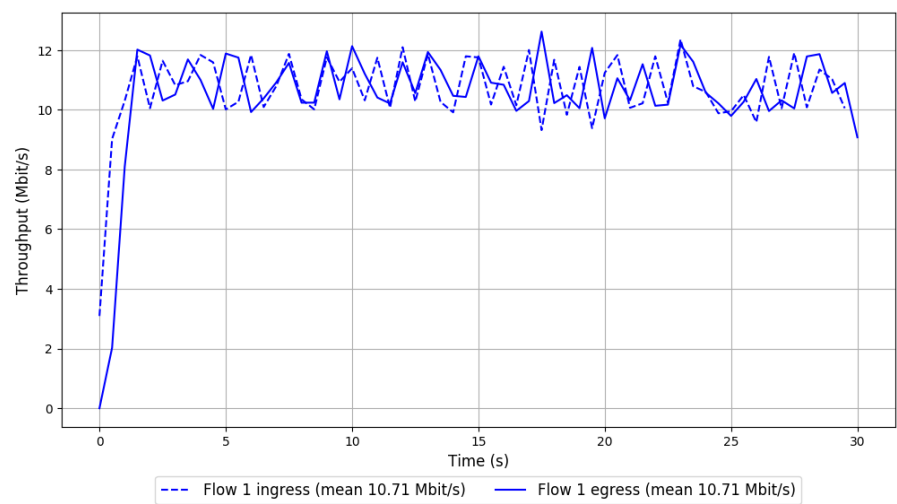


Run 5: Statistics of Sprout

Start at: 2018-08-22 12:52:20
End at: 2018-08-22 12:52:50
Local clock offset: 0.184 ms
Remote clock offset: -1.699 ms

Below is generated by plot.py at 2018-08-22 15:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 39.996 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 39.996 ms
Loss rate: 0.29%

Run 5: Report of Sprout — Data Link

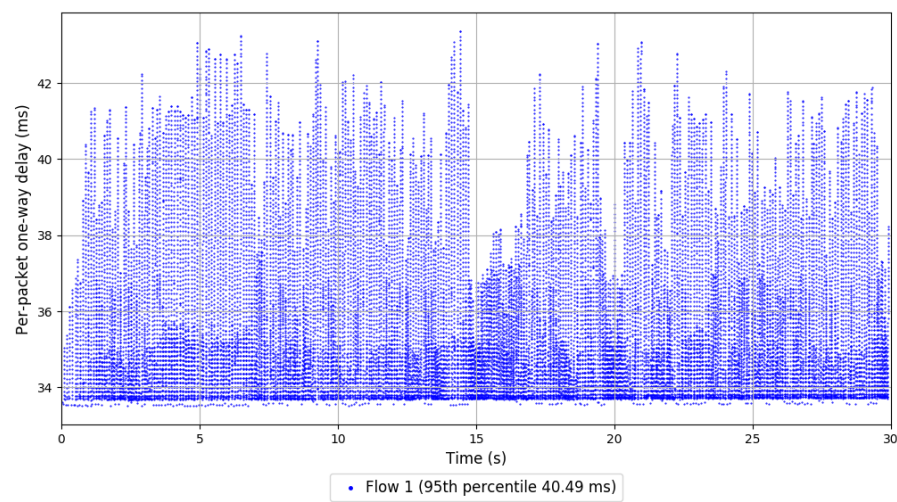
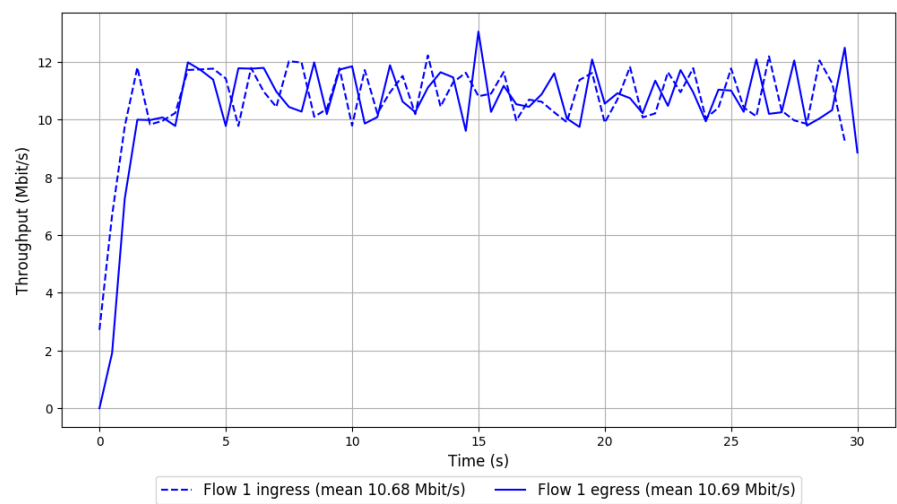


Run 6: Statistics of Sprout

Start at: 2018-08-22 13:14:46
End at: 2018-08-22 13:15:17
Local clock offset: 0.266 ms
Remote clock offset: -1.554 ms

Below is generated by plot.py at 2018-08-22 15:04:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 40.490 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 40.490 ms
Loss rate: 0.17%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-22 13:37:07

End at: 2018-08-22 13:37:37

Local clock offset: 0.215 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-08-22 15:04:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 39.743 ms

Loss rate: 0.27%

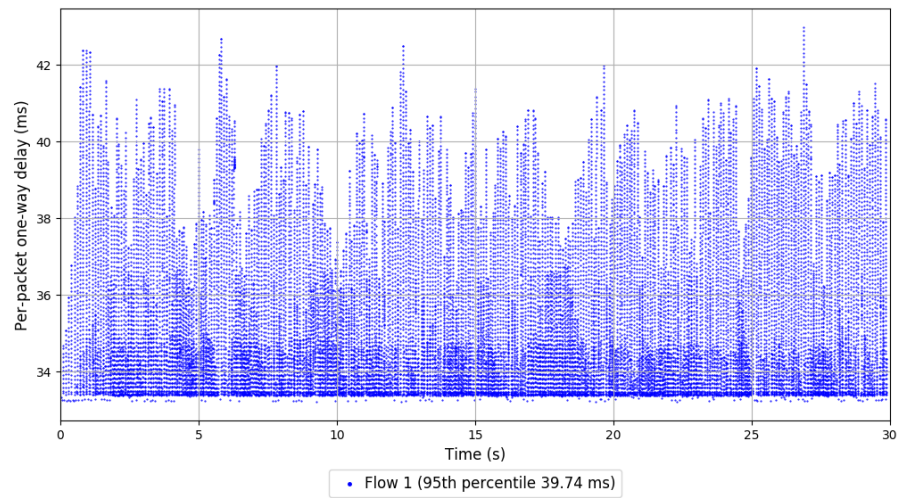
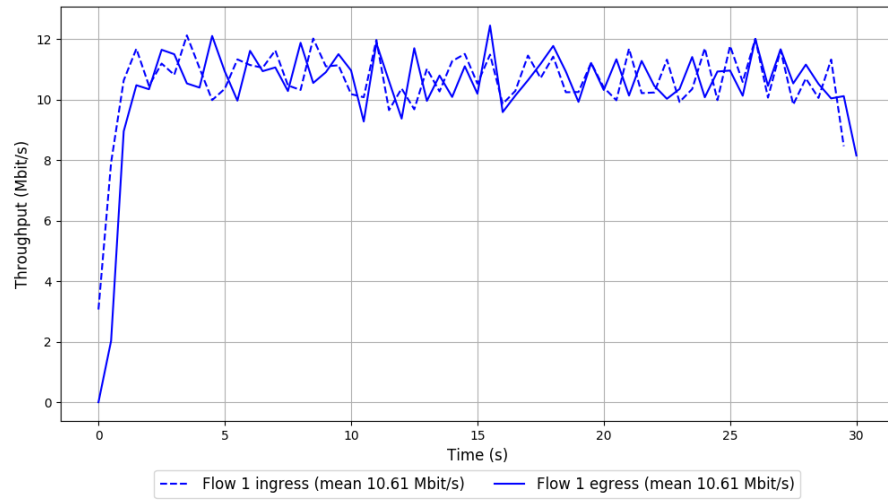
-- Flow 1:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 39.743 ms

Loss rate: 0.27%

Run 7: Report of Sprout — Data Link

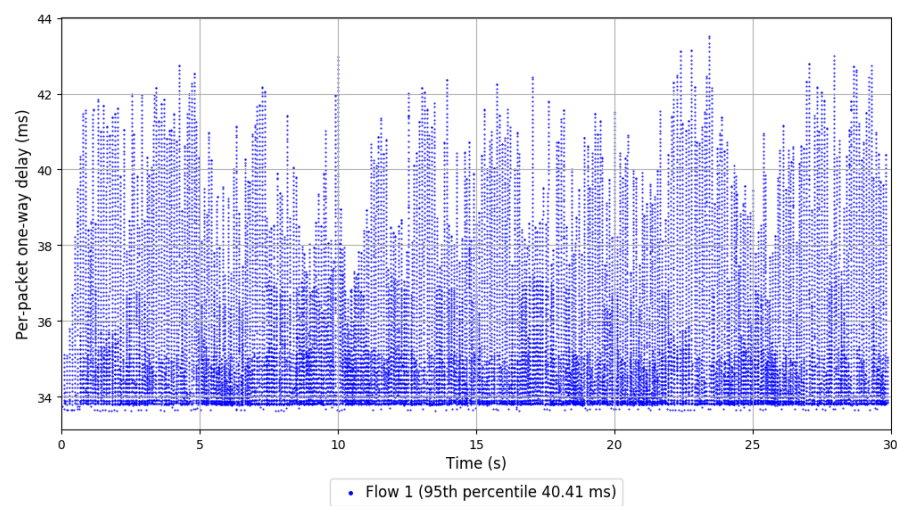
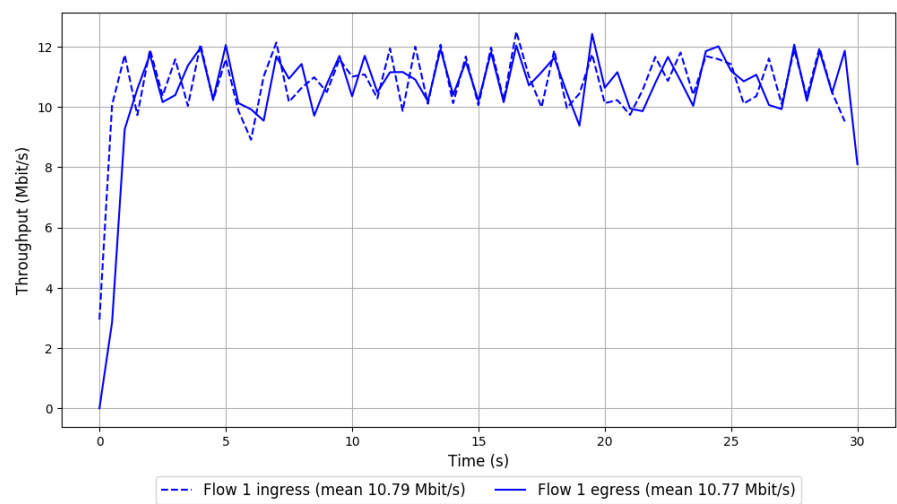


Run 8: Statistics of Sprout

Start at: 2018-08-22 13:59:29
End at: 2018-08-22 13:59:59
Local clock offset: 0.213 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-22 15:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 0.27%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-22 14:21:49

End at: 2018-08-22 14:22:19

Local clock offset: 0.107 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-08-22 15:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 40.202 ms

Loss rate: 0.12%

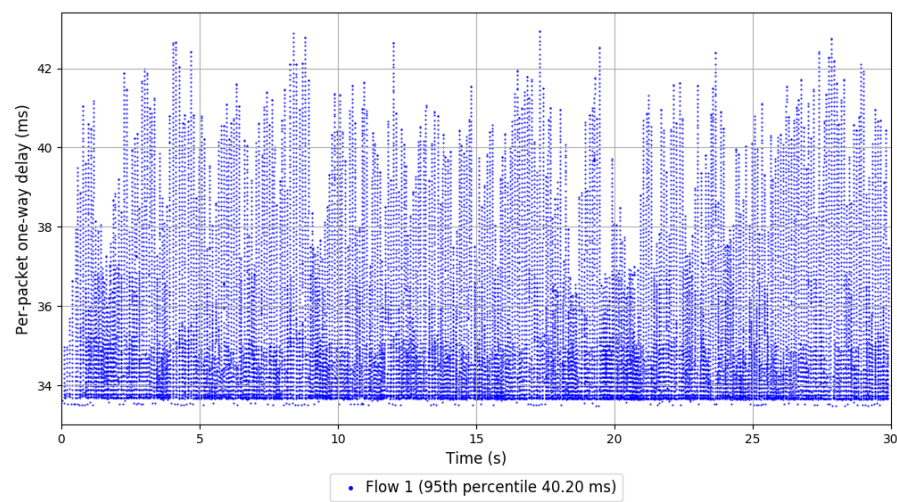
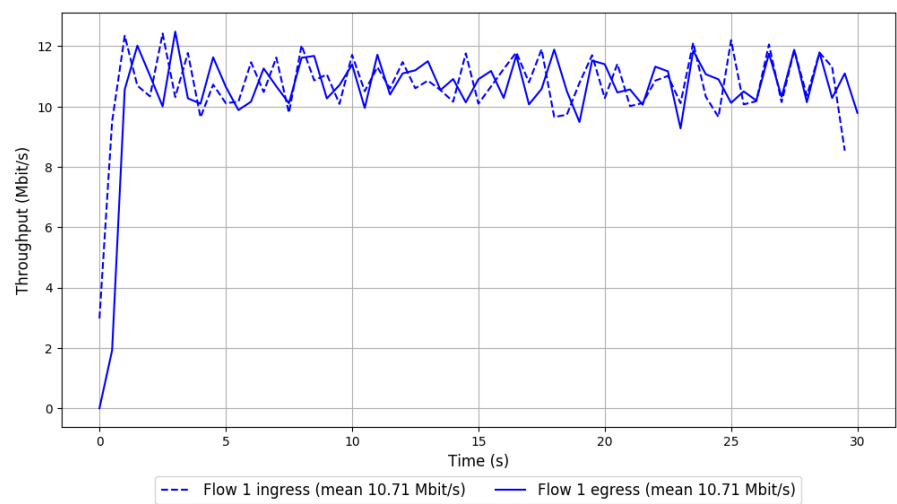
-- Flow 1:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 40.202 ms

Loss rate: 0.12%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-22 14:44:09

End at: 2018-08-22 14:44:39

Local clock offset: 0.235 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-08-22 15:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.78 Mbit/s

95th percentile per-packet one-way delay: 40.163 ms

Loss rate: 0.08%

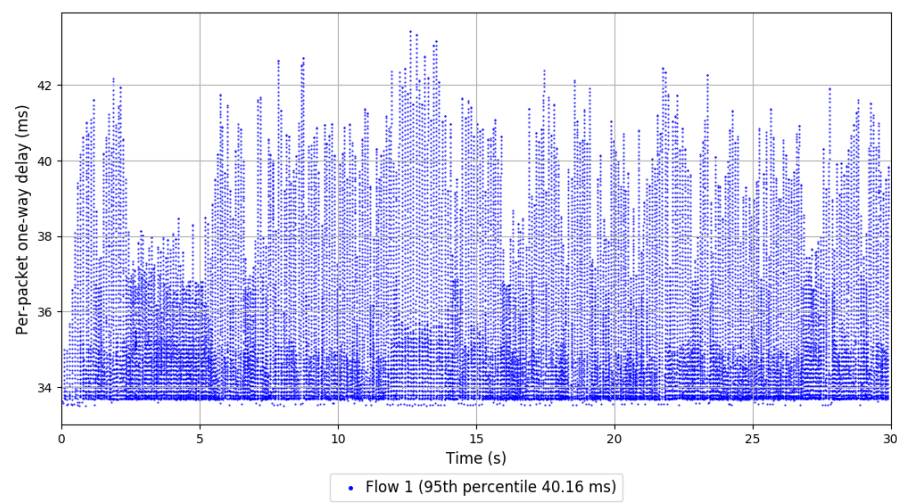
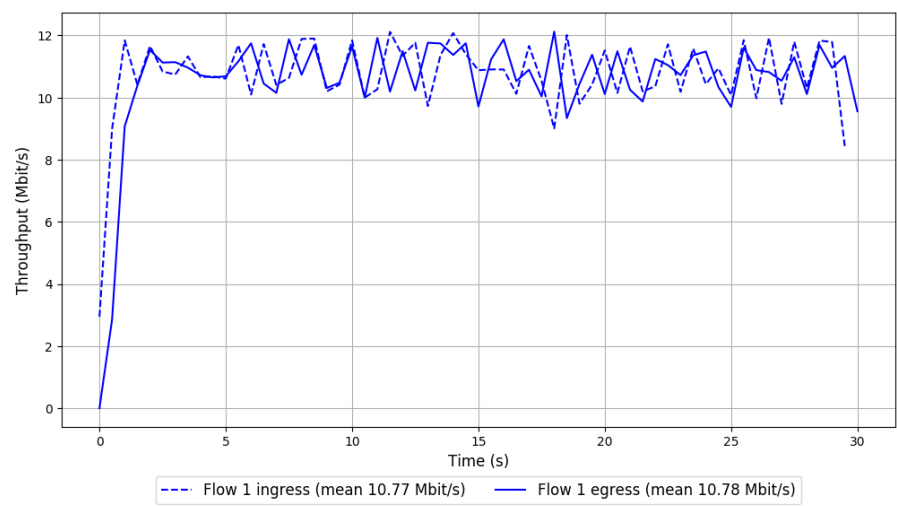
-- Flow 1:

Average throughput: 10.78 Mbit/s

95th percentile per-packet one-way delay: 40.163 ms

Loss rate: 0.08%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 11:02:33

End at: 2018-08-22 11:03:03

Local clock offset: 1.378 ms

Remote clock offset: -2.486 ms

Below is generated by plot.py at 2018-08-22 15:05:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.79 Mbit/s

95th percentile per-packet one-way delay: 43.615 ms

Loss rate: 0.14%

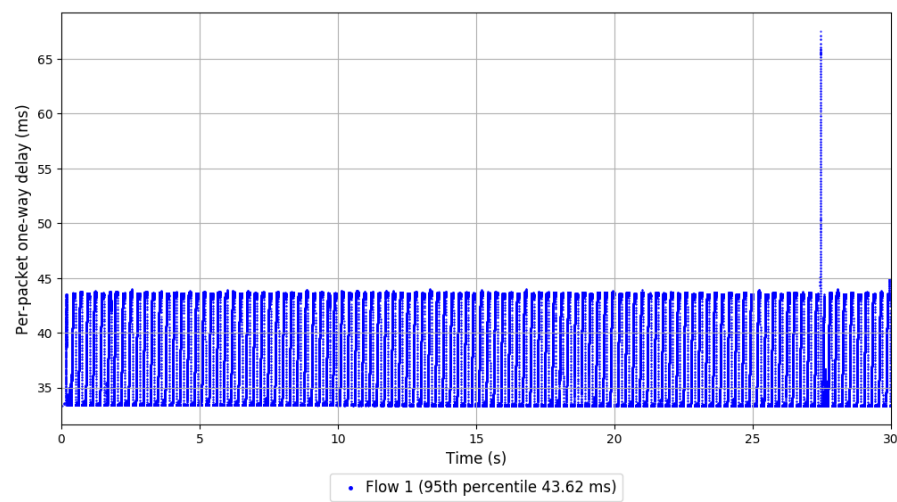
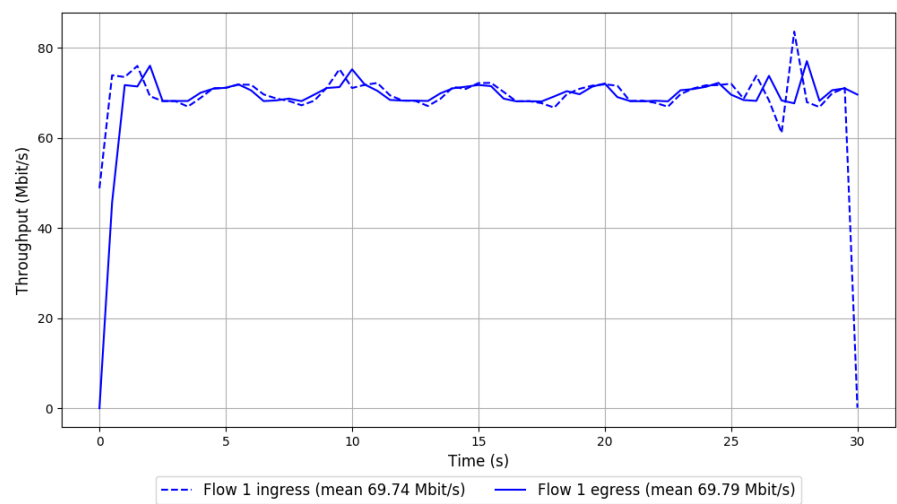
-- Flow 1:

Average throughput: 69.79 Mbit/s

95th percentile per-packet one-way delay: 43.615 ms

Loss rate: 0.14%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 11:24:52

End at: 2018-08-22 11:25:22

Local clock offset: 1.133 ms

Remote clock offset: -3.047 ms

Below is generated by plot.py at 2018-08-22 15:05:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 43.498 ms

Loss rate: 0.30%

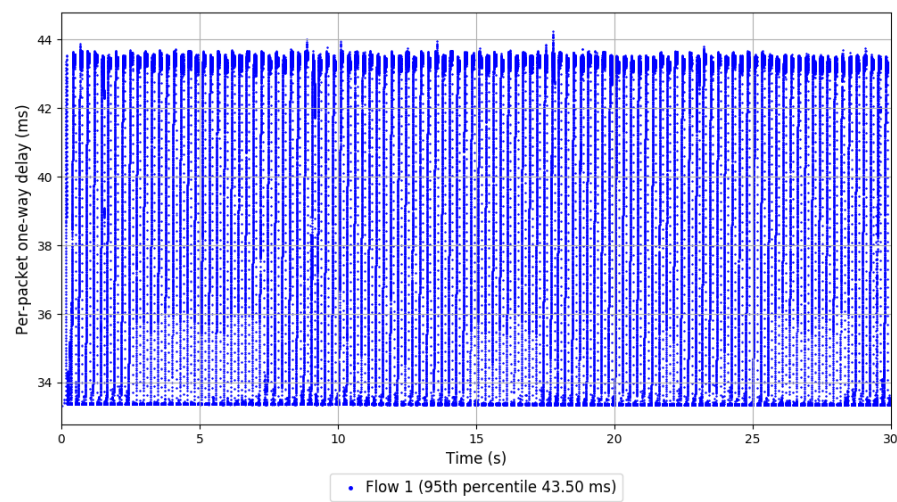
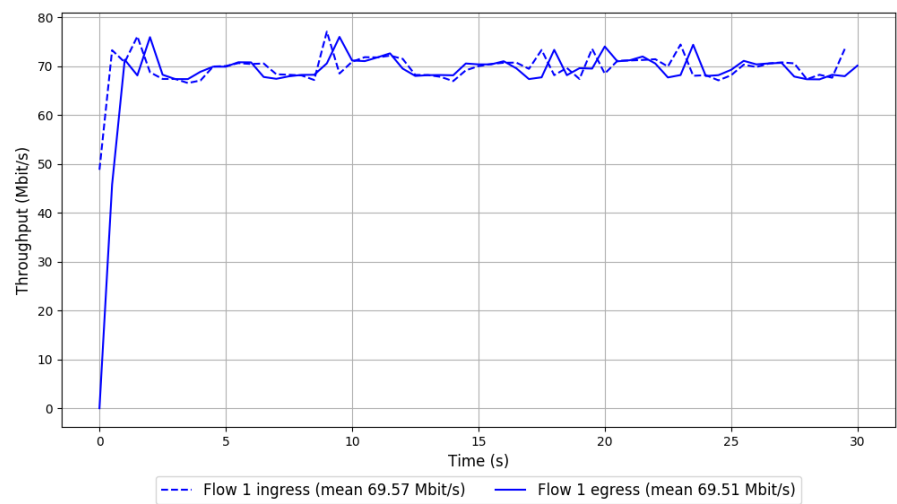
-- Flow 1:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 43.498 ms

Loss rate: 0.30%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 11:47:43

End at: 2018-08-22 11:48:13

Local clock offset: 0.898 ms

Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-08-22 15:05:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 43.582 ms

Loss rate: 0.30%

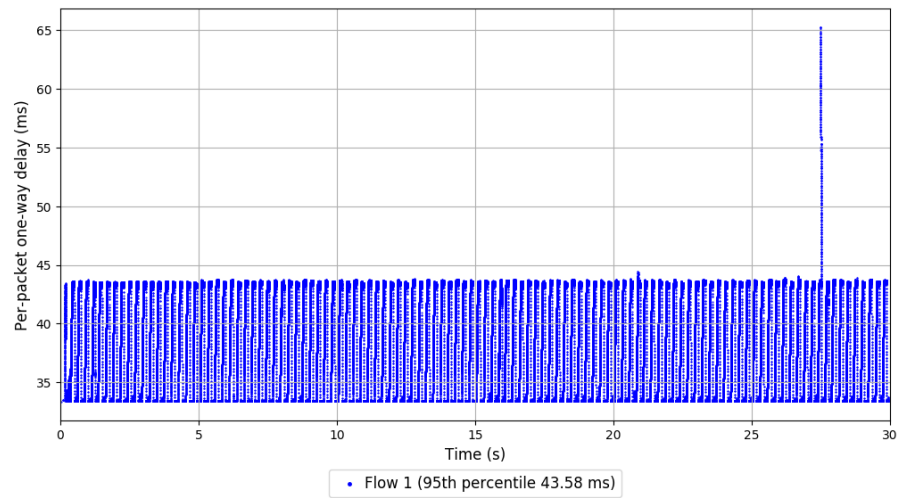
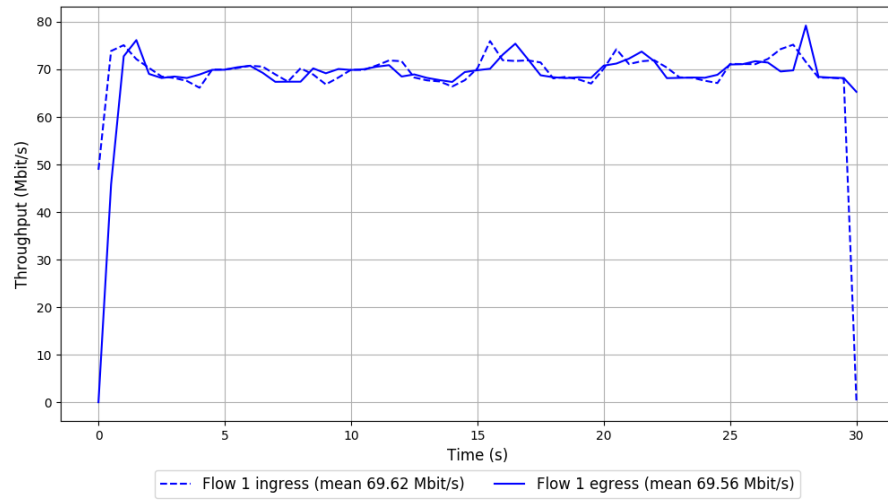
-- Flow 1:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 43.582 ms

Loss rate: 0.30%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 12:10:08

End at: 2018-08-22 12:10:38

Local clock offset: 0.642 ms

Remote clock offset: -0.79 ms

Below is generated by plot.py at 2018-08-22 15:05:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 43.688 ms

Loss rate: 0.37%

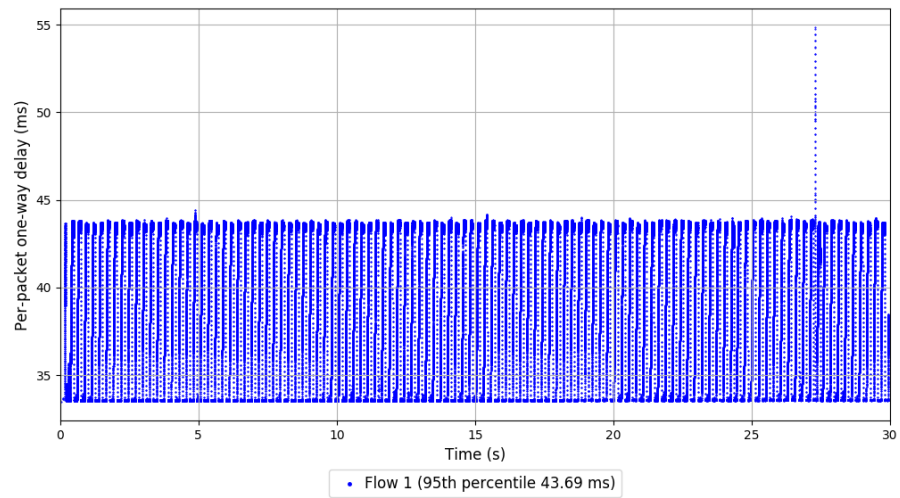
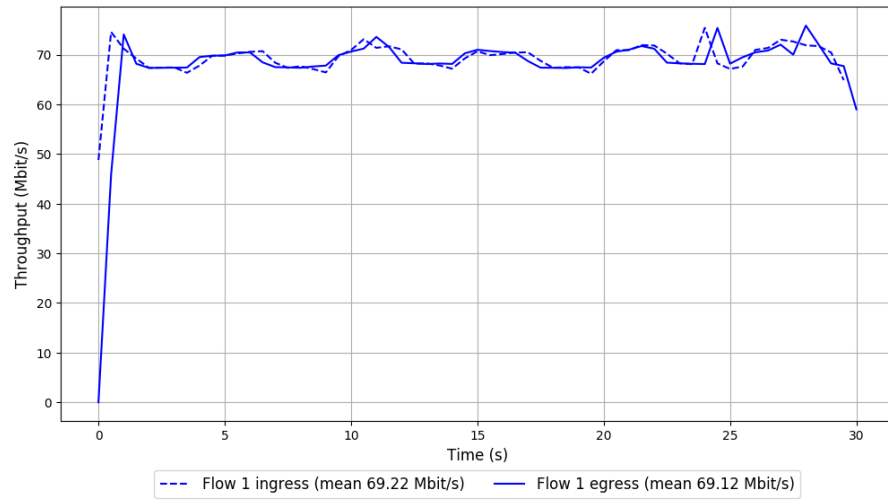
-- Flow 1:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 43.688 ms

Loss rate: 0.37%

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

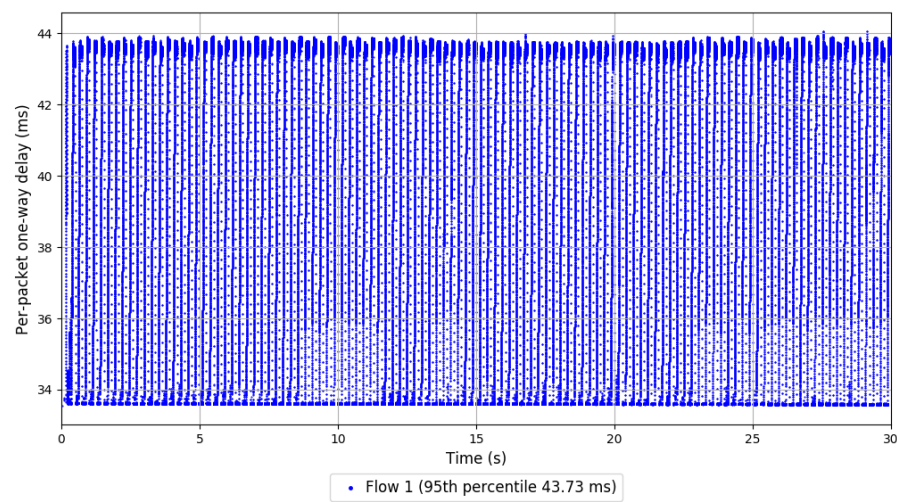
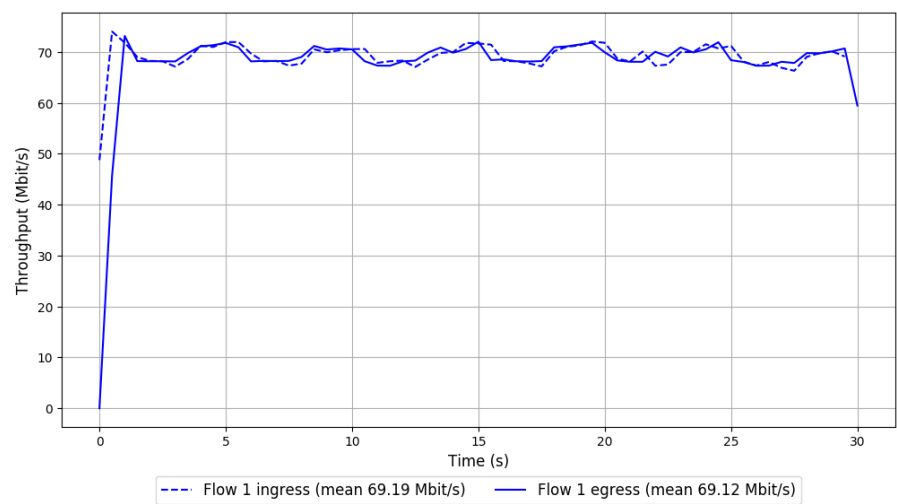


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 12:32:31
End at: 2018-08-22 12:33:01
Local clock offset: 0.19 ms
Remote clock offset: -1.447 ms

Below is generated by plot.py at 2018-08-22 15:05:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 43.734 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 43.734 ms
Loss rate: 0.31%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 12:54:57

End at: 2018-08-22 12:55:27

Local clock offset: 0.3 ms

Remote clock offset: -1.854 ms

Below is generated by plot.py at 2018-08-22 15:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 43.741 ms

Loss rate: 0.25%

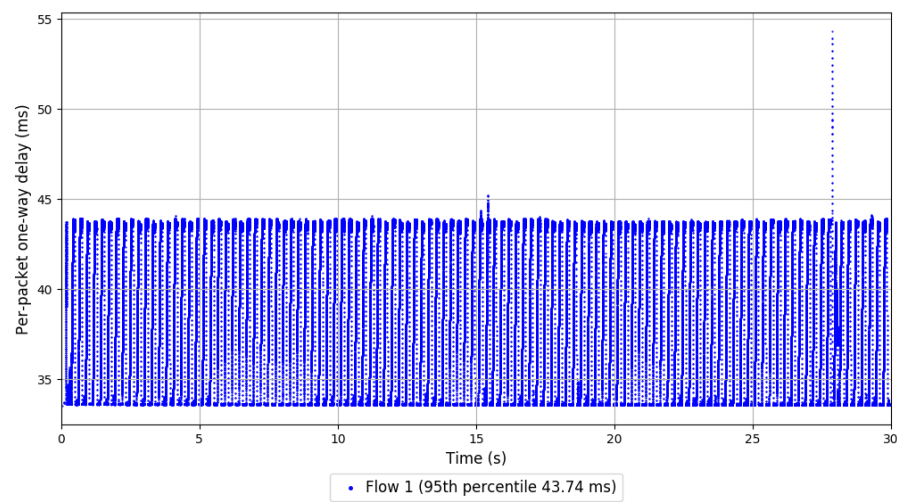
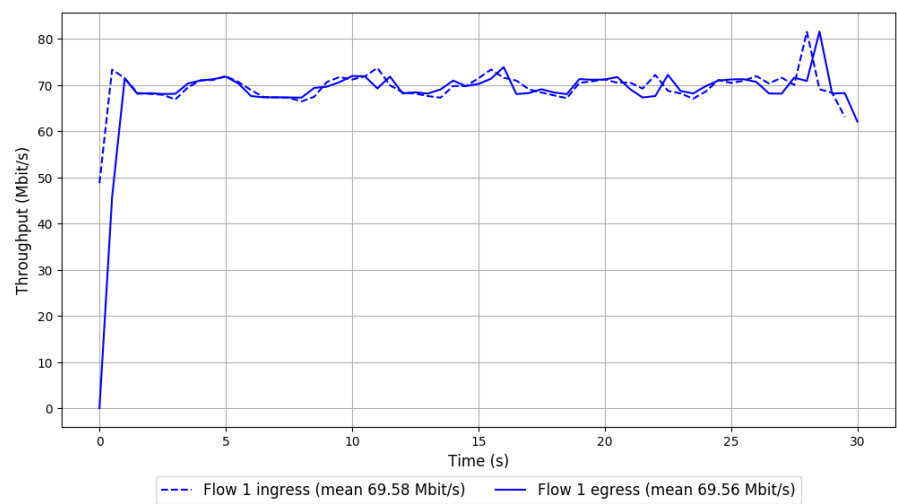
-- Flow 1:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 43.741 ms

Loss rate: 0.25%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 13:17:23

End at: 2018-08-22 13:17:53

Local clock offset: 0.172 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2018-08-22 15:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 43.662 ms

Loss rate: 0.16%

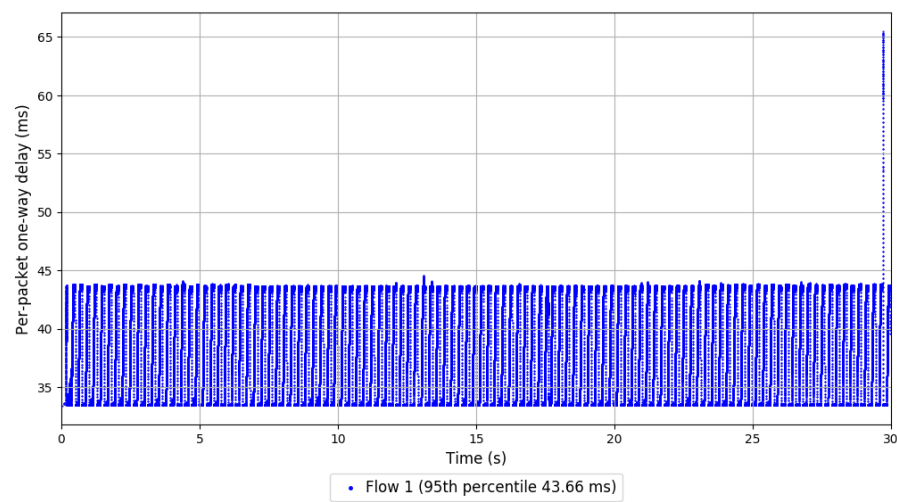
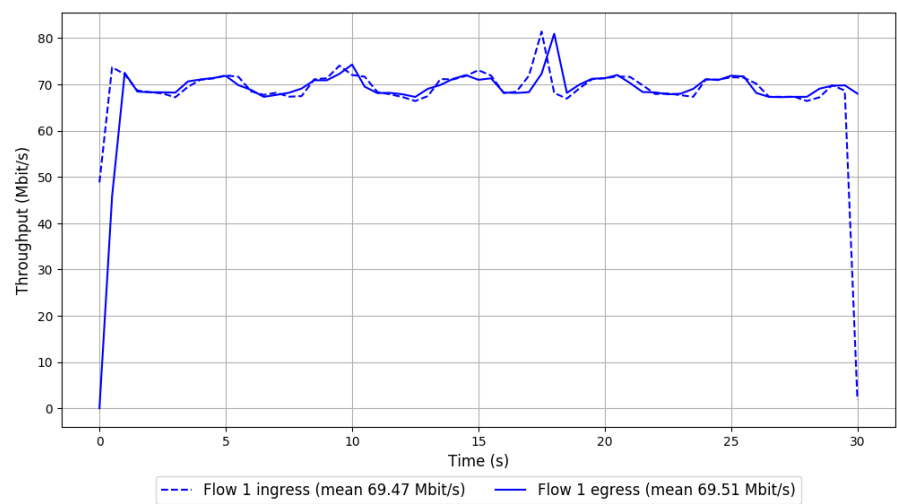
-- Flow 1:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 43.662 ms

Loss rate: 0.16%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 13:39:43

End at: 2018-08-22 13:40:14

Local clock offset: 0.101 ms

Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-08-22 15:05:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 43.526 ms

Loss rate: 0.22%

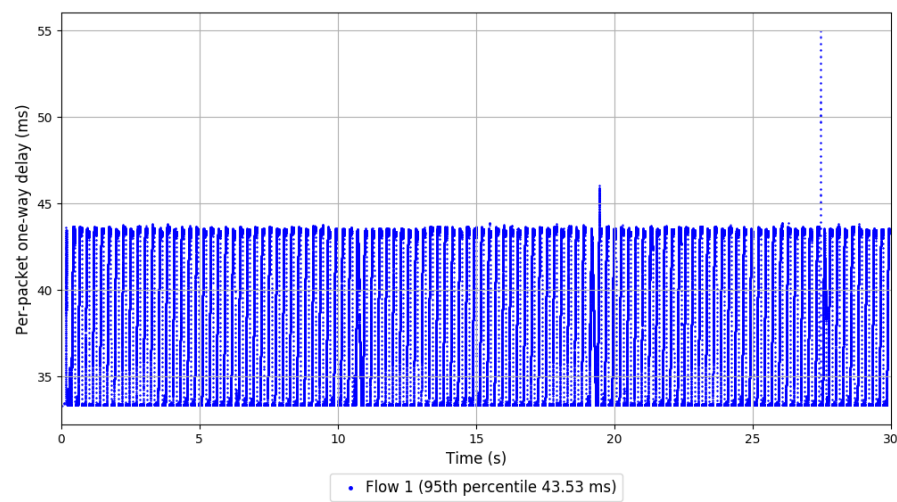
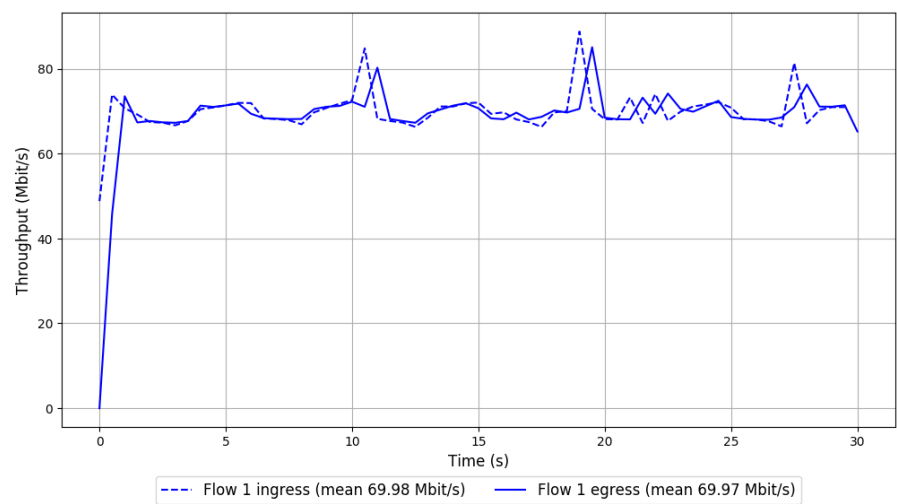
-- Flow 1:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 43.526 ms

Loss rate: 0.22%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 14:02:05

End at: 2018-08-22 14:02:35

Local clock offset: 0.236 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-22 15:07:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 43.690 ms

Loss rate: 0.37%

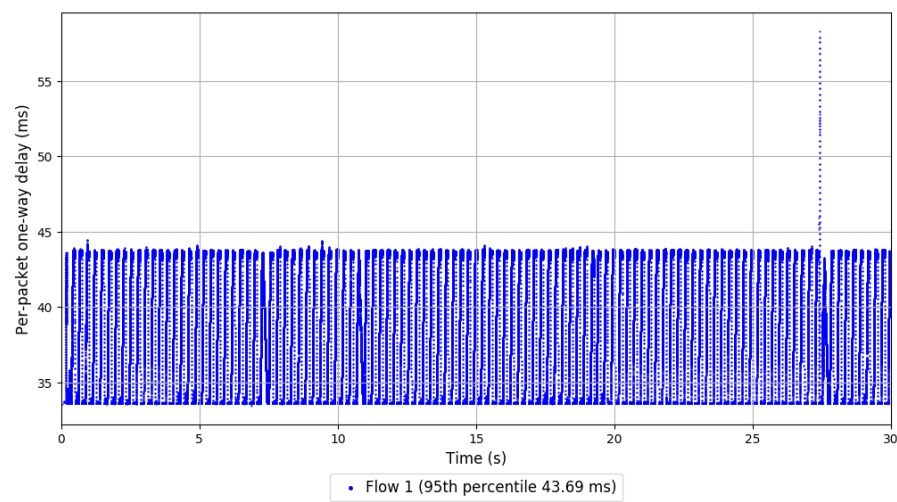
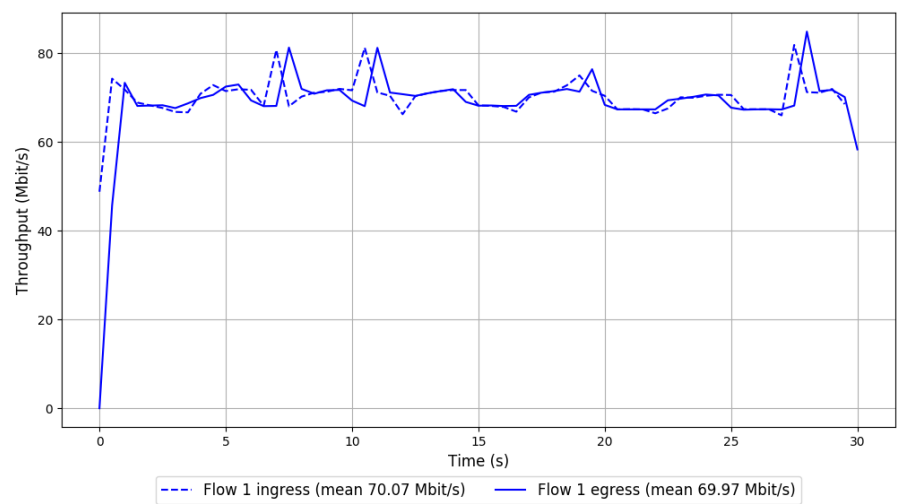
-- Flow 1:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 43.690 ms

Loss rate: 0.37%

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

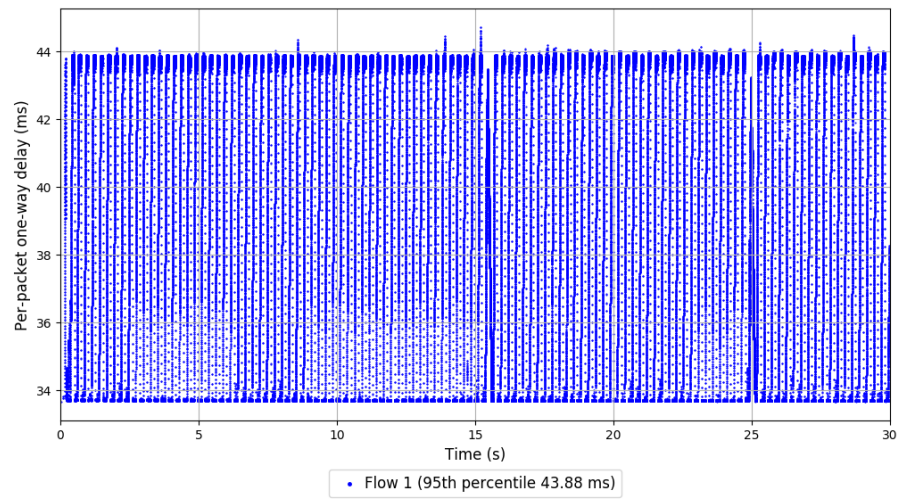
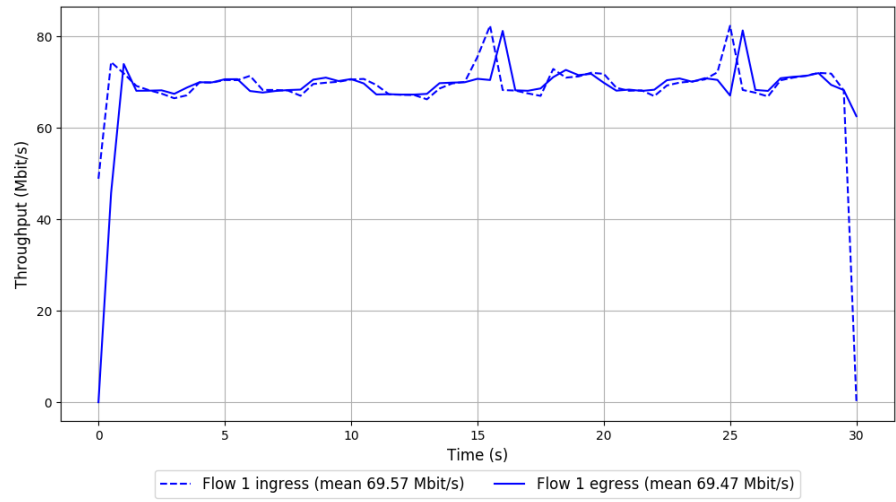


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 14:24:25
End at: 2018-08-22 14:24:55
Local clock offset: 0.2 ms
Remote clock offset: 0.247 ms

# Below is generated by plot.py at 2018-08-22 15:07:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 43.877 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 43.877 ms
Loss rate: 0.37%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 11:06:32

End at: 2018-08-22 11:07:02

Local clock offset: 1.693 ms

Remote clock offset: -2.714 ms

Below is generated by plot.py at 2018-08-22 15:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 34.840 ms

Loss rate: 0.25%

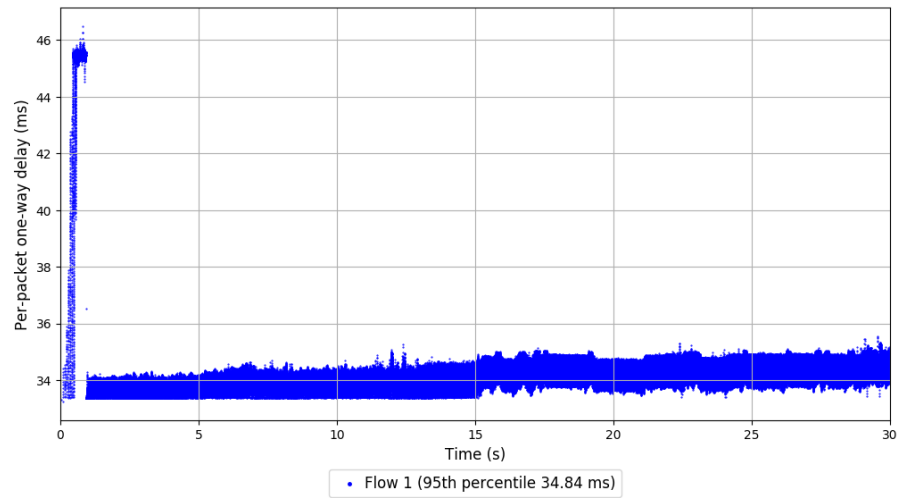
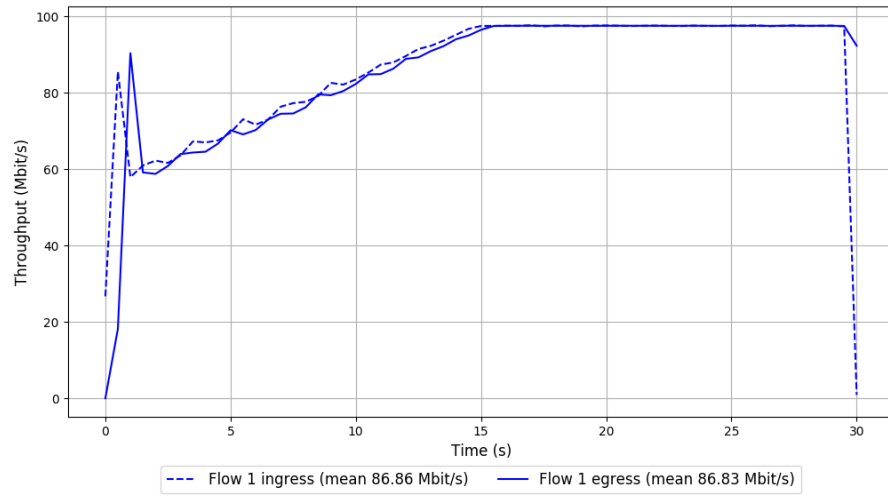
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 34.840 ms

Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 11:28:56
End at: 2018-08-22 11:29:26
Local clock offset: 1.215 ms
Remote clock offset: -3.072 ms

Below is generated by plot.py at 2018-08-22 15:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.53 Mbit/s

95th percentile per-packet one-way delay: 35.297 ms

Loss rate: 0.27%

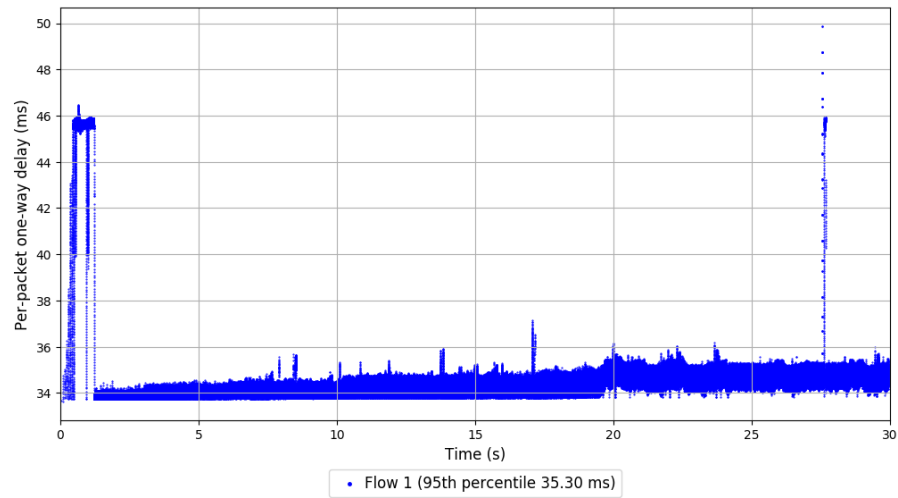
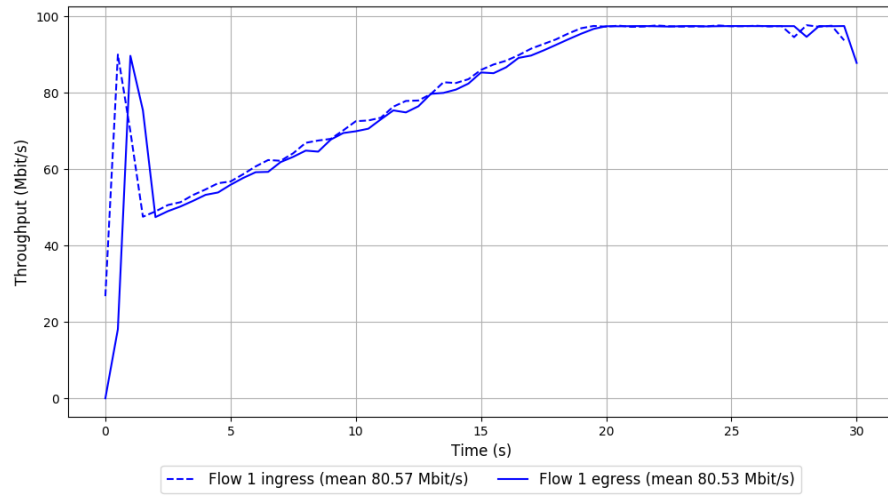
-- Flow 1:

Average throughput: 80.53 Mbit/s

95th percentile per-packet one-way delay: 35.297 ms

Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link

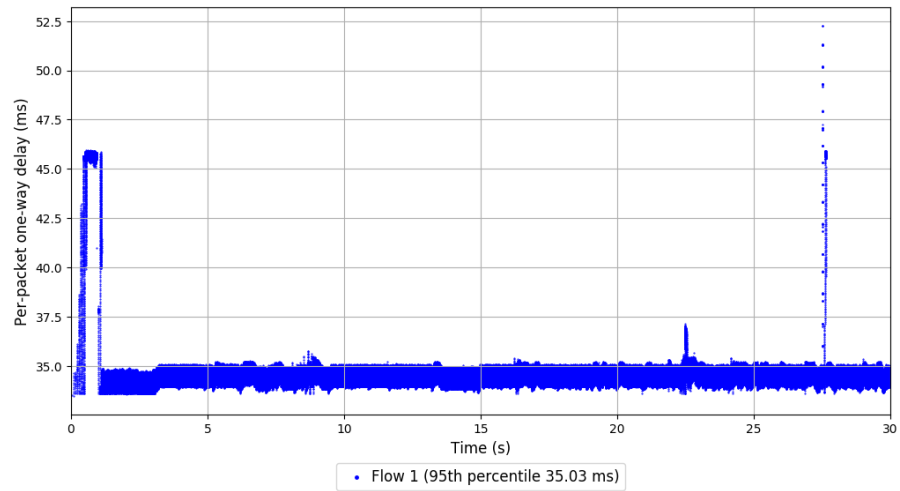
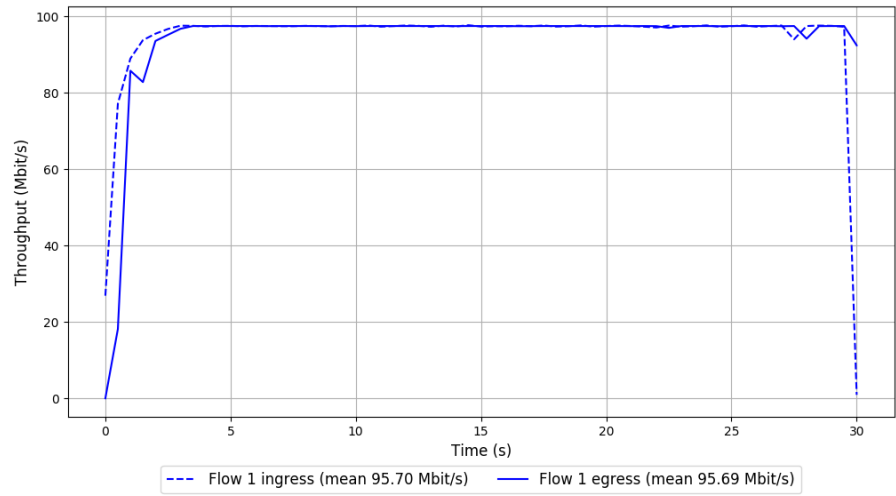


Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 11:51:49
End at: 2018-08-22 11:52:19
Local clock offset: 0.764 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-08-22 15:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.029 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.029 ms
Loss rate: 0.22%

Run 3: Report of TCP Vegas — Data Link

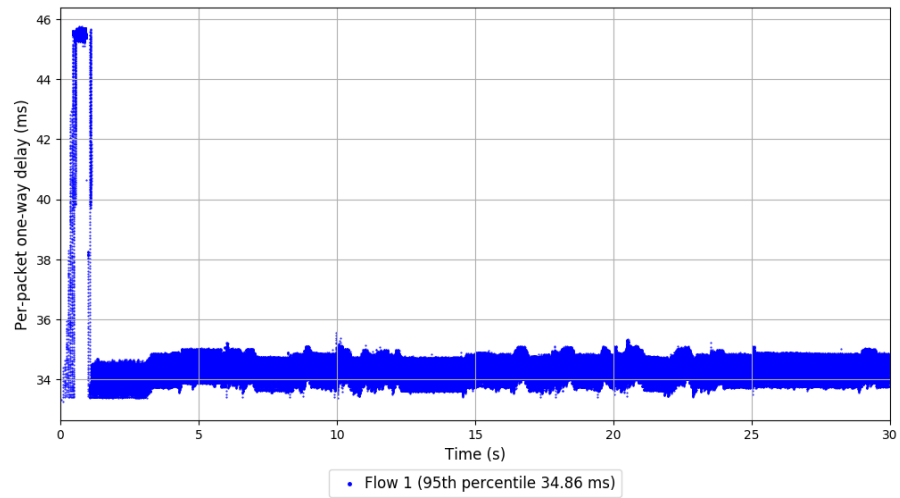
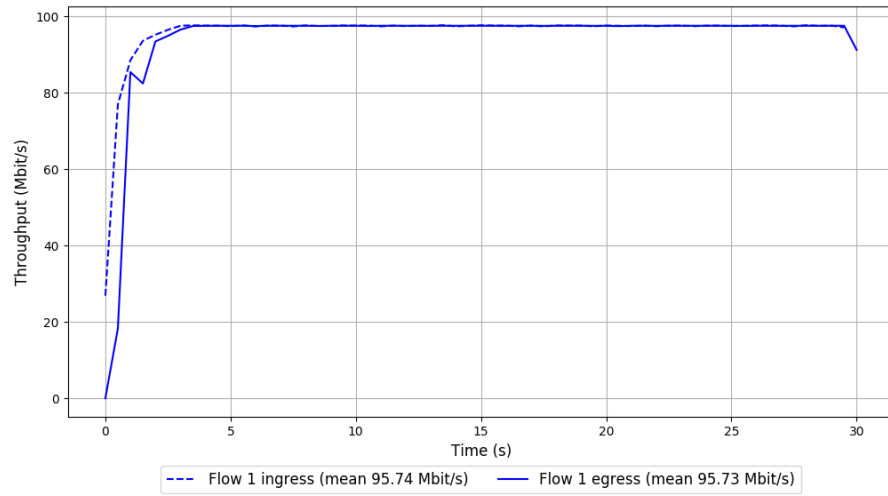


Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 12:14:08
End at: 2018-08-22 12:14:38
Local clock offset: 0.388 ms
Remote clock offset: -0.733 ms

Below is generated by plot.py at 2018-08-22 15:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 34.860 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 34.860 ms
Loss rate: 0.22%

Run 4: Report of TCP Vegas — Data Link

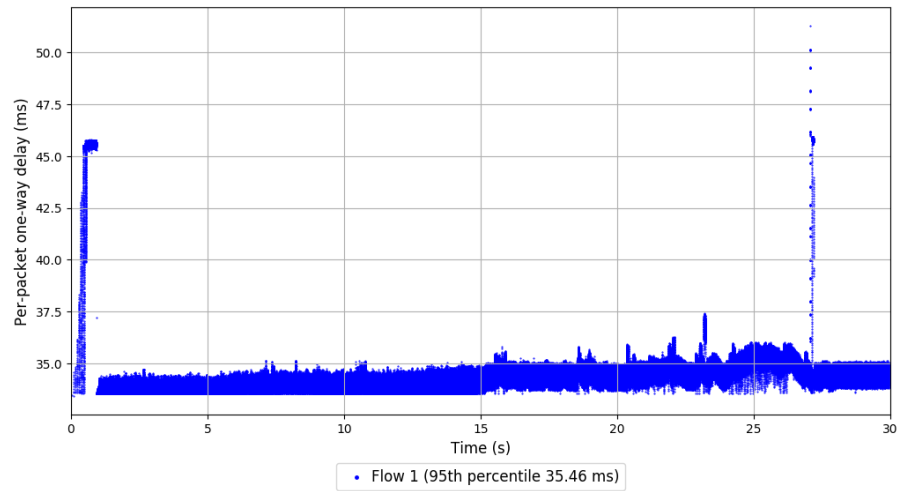
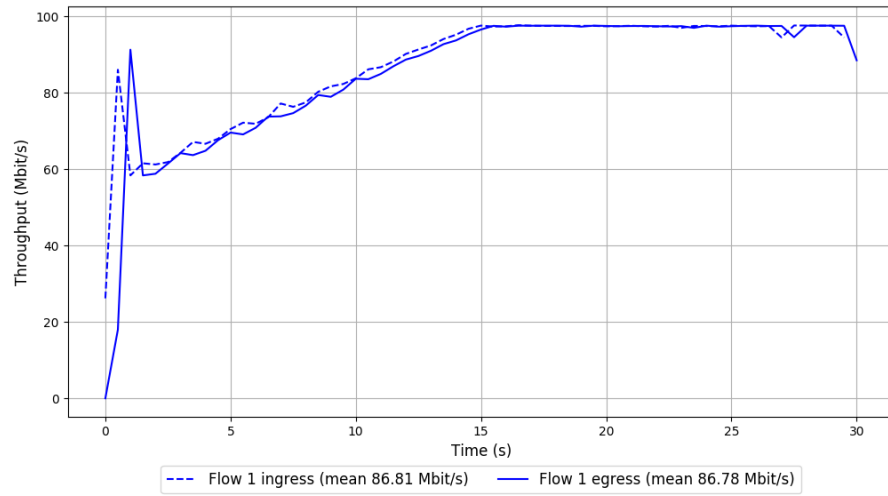


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 12:36:36
End at: 2018-08-22 12:37:06
Local clock offset: 0.186 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2018-08-22 15:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 35.460 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 35.460 ms
Loss rate: 0.25%

Run 5: Report of TCP Vegas — Data Link

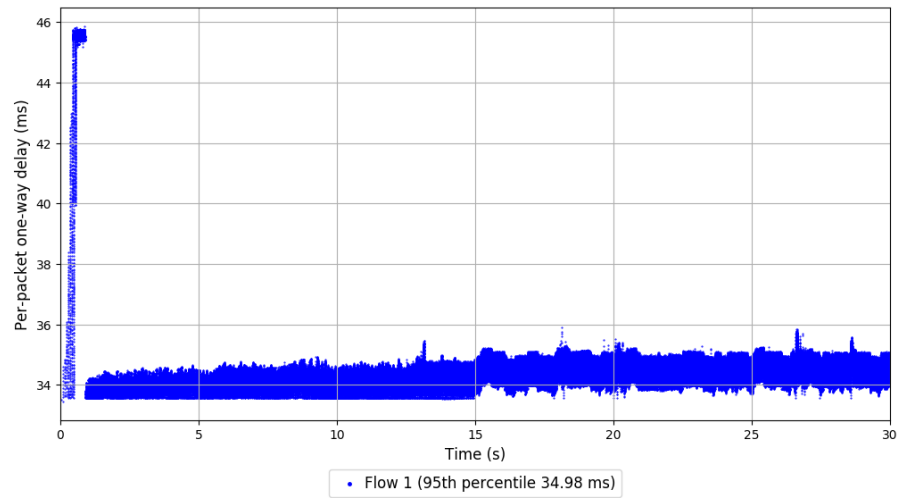
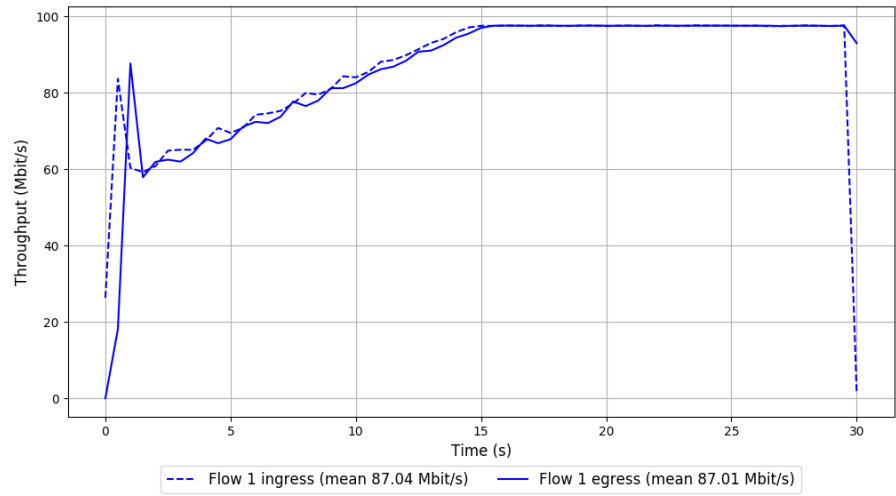


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 12:59:02
End at: 2018-08-22 12:59:32
Local clock offset: 0.24 ms
Remote clock offset: -1.965 ms

Below is generated by plot.py at 2018-08-22 15:07:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 34.978 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 34.978 ms
Loss rate: 0.24%

Run 6: Report of TCP Vegas — Data Link

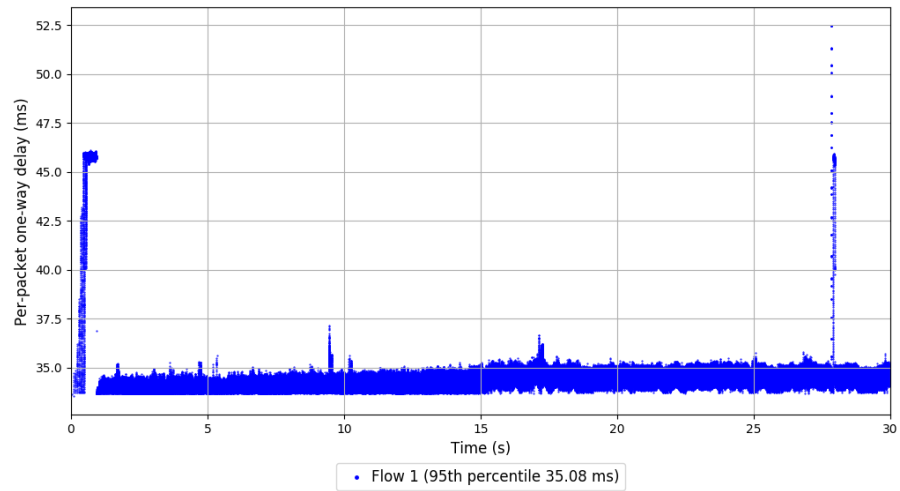
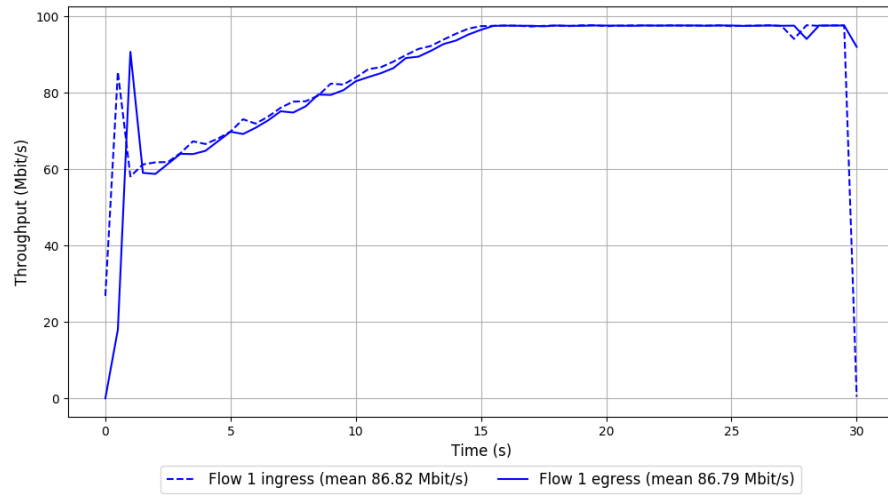


Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 13:21:23
End at: 2018-08-22 13:21:53
Local clock offset: 0.242 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-08-22 15:07:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 35.075 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 35.075 ms
Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link

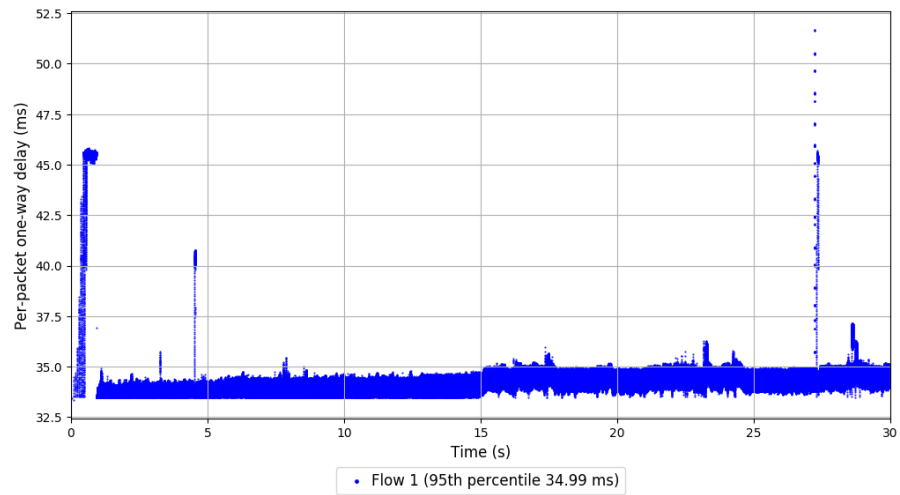
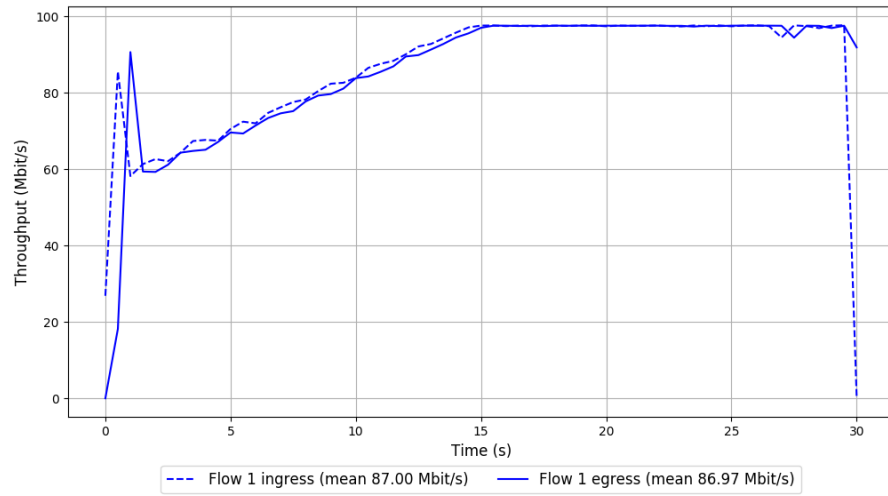


Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 13:43:46
End at: 2018-08-22 13:44:16
Local clock offset: 0.226 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-08-22 15:08:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 34.993 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 34.993 ms
Loss rate: 0.25%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 14:06:06

End at: 2018-08-22 14:06:36

Local clock offset: 0.162 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-08-22 15:08:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 34.913 ms

Loss rate: 0.25%

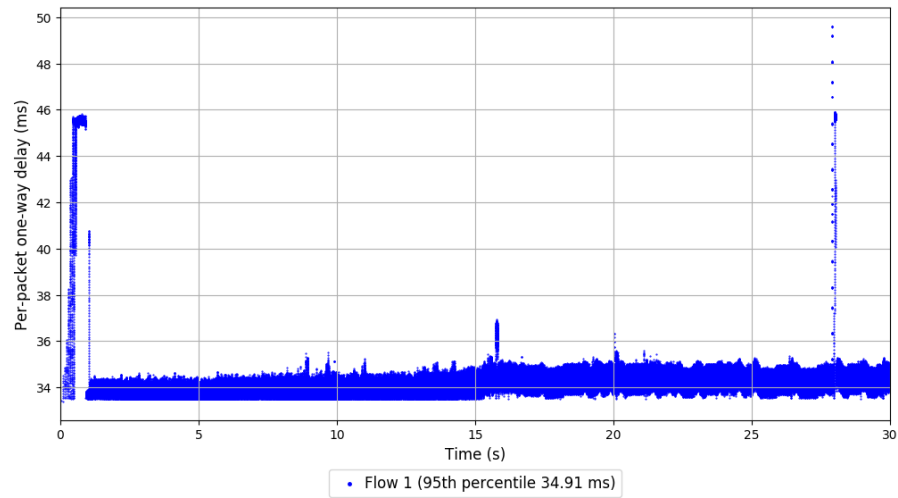
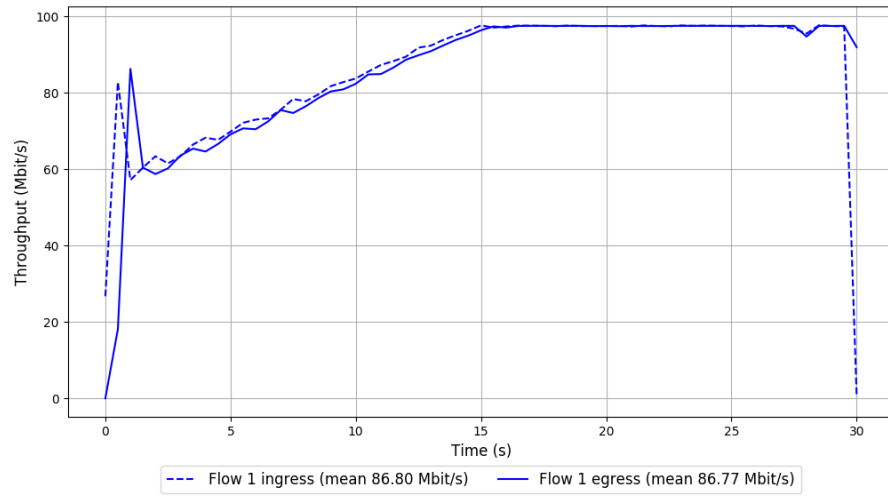
-- Flow 1:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 34.913 ms

Loss rate: 0.25%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 14:28:25

End at: 2018-08-22 14:28:55

Local clock offset: 0.219 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-08-22 15:08:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 35.017 ms

Loss rate: 0.25%

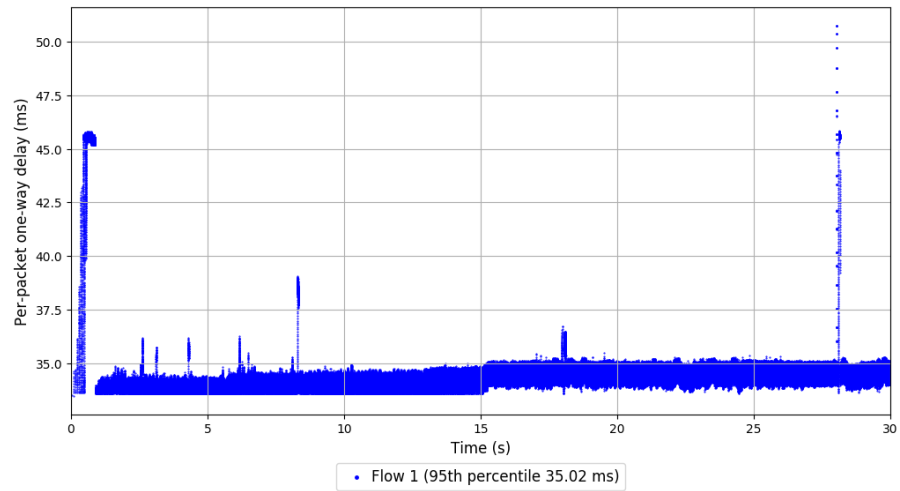
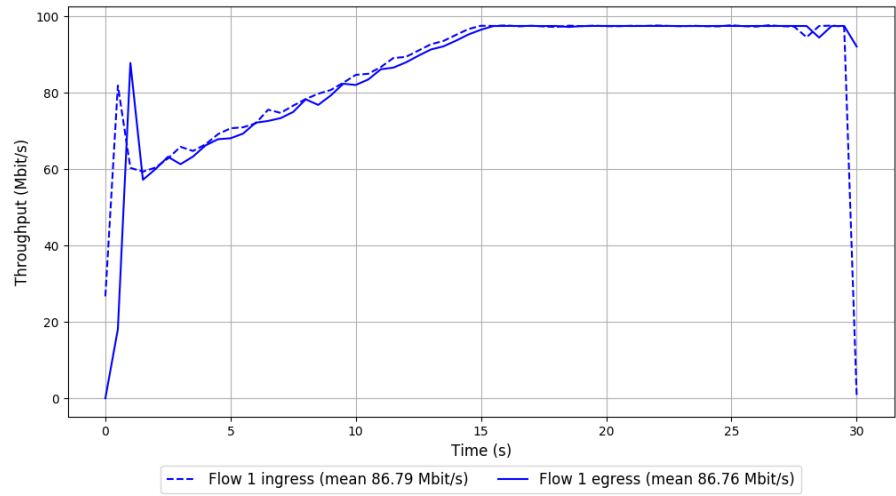
-- Flow 1:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 35.017 ms

Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-22 11:14:19

End at: 2018-08-22 11:14:49

Local clock offset: 1.226 ms

Remote clock offset: -3.21 ms

Below is generated by plot.py at 2018-08-22 15:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.13 Mbit/s

95th percentile per-packet one-way delay: 45.813 ms

Loss rate: 0.44%

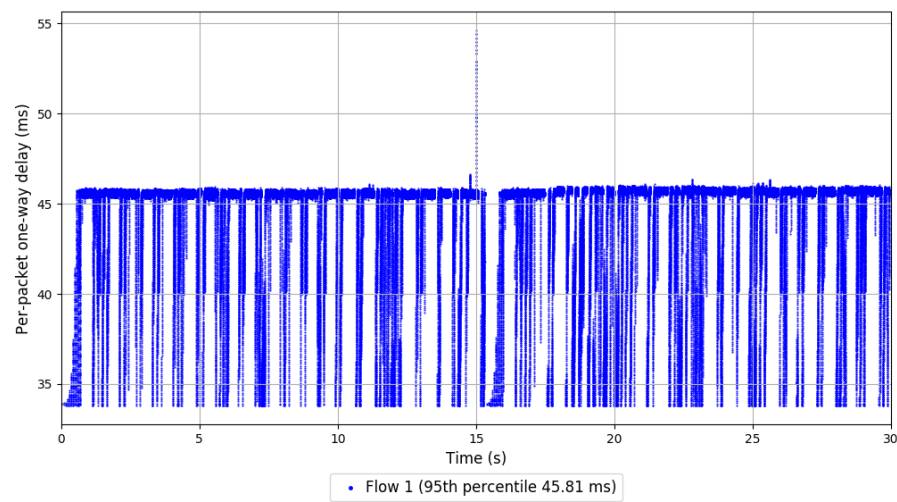
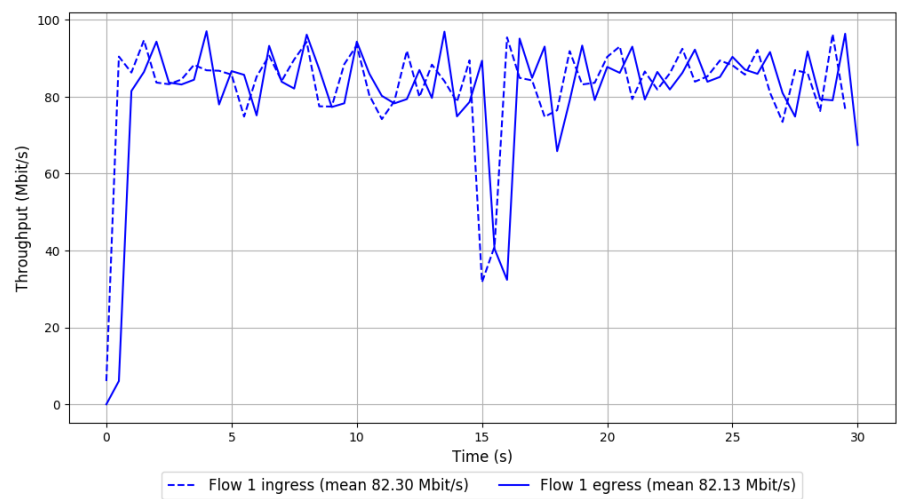
-- Flow 1:

Average throughput: 82.13 Mbit/s

95th percentile per-packet one-way delay: 45.813 ms

Loss rate: 0.44%

Run 1: Report of Verus — Data Link

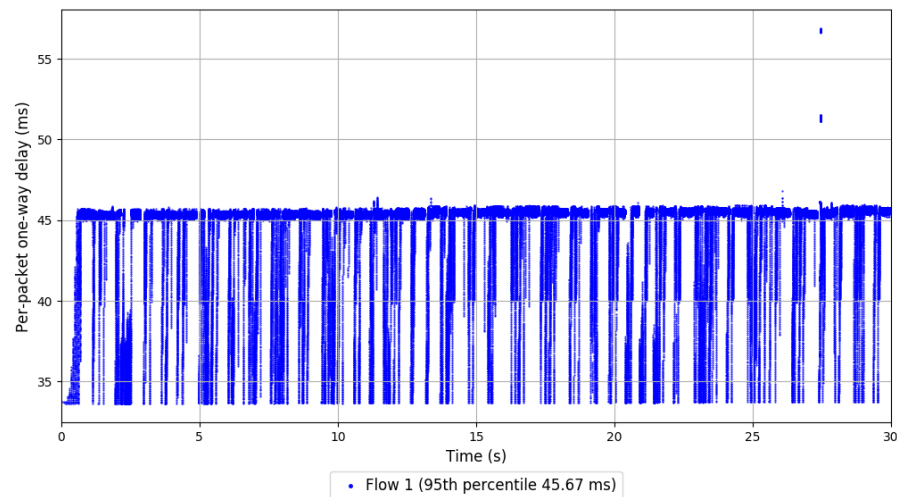
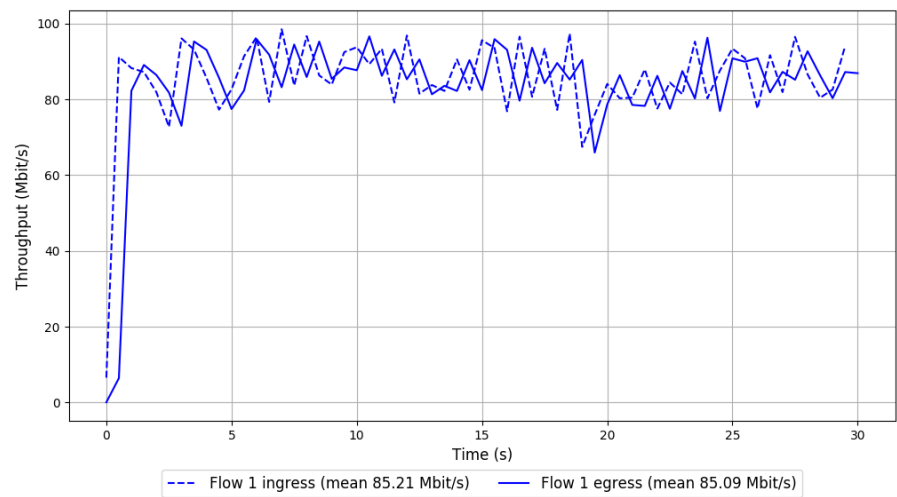


Run 2: Statistics of Verus

Start at: 2018-08-22 11:36:50
End at: 2018-08-22 11:37:20
Local clock offset: 1.329 ms
Remote clock offset: -1.547 ms

Below is generated by plot.py at 2018-08-22 15:08:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 45.671 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 45.671 ms
Loss rate: 0.35%

Run 2: Report of Verus — Data Link

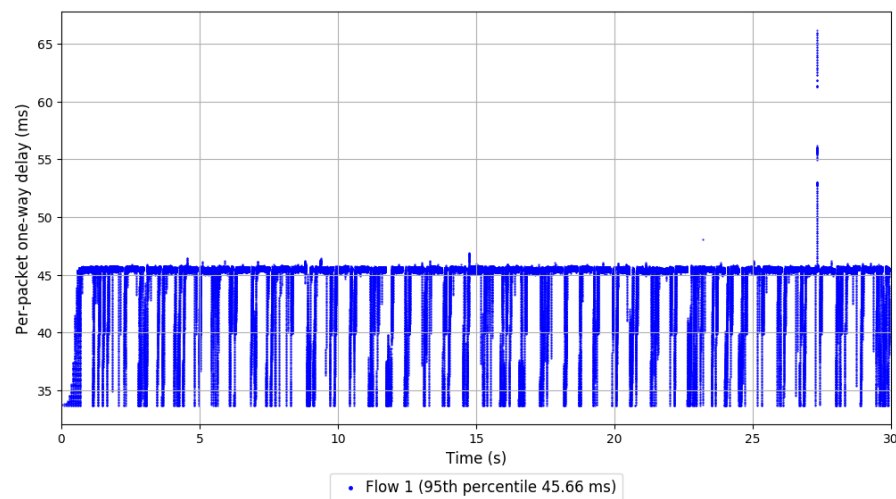
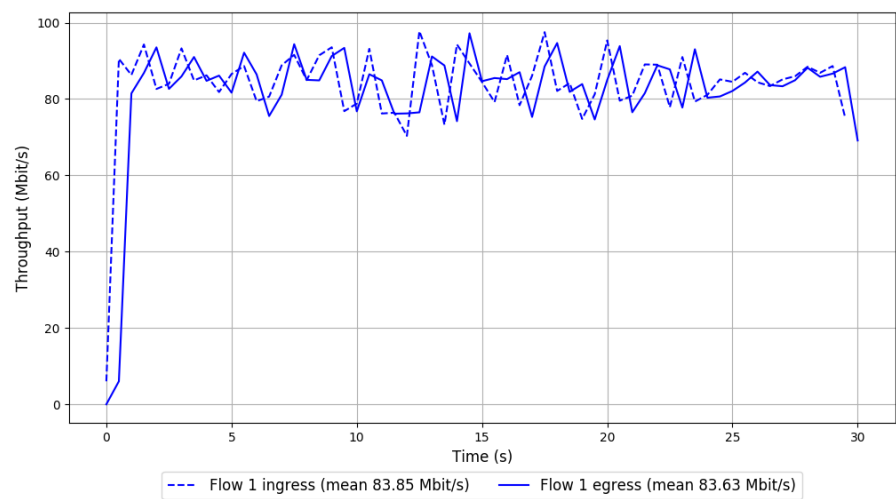


Run 3: Statistics of Verus

Start at: 2018-08-22 11:59:35
End at: 2018-08-22 12:00:05
Local clock offset: 0.902 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-08-22 15:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 45.657 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 45.657 ms
Loss rate: 0.50%

Run 3: Report of Verus — Data Link

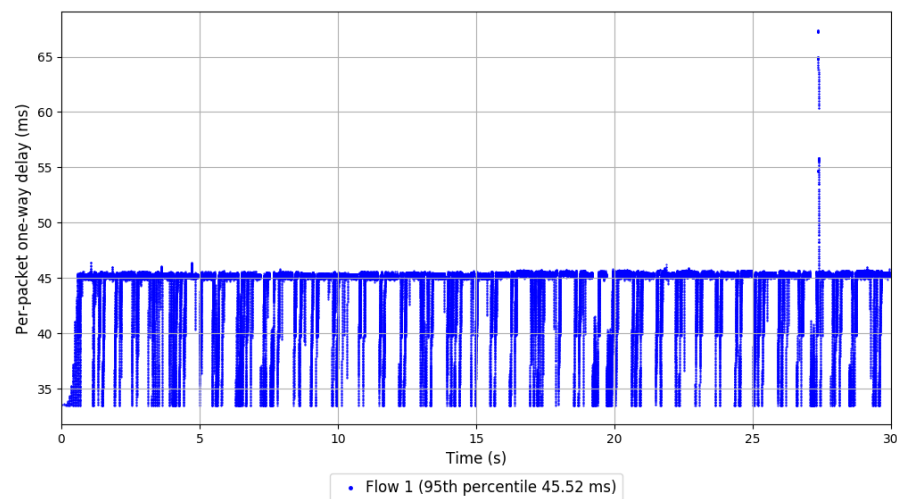
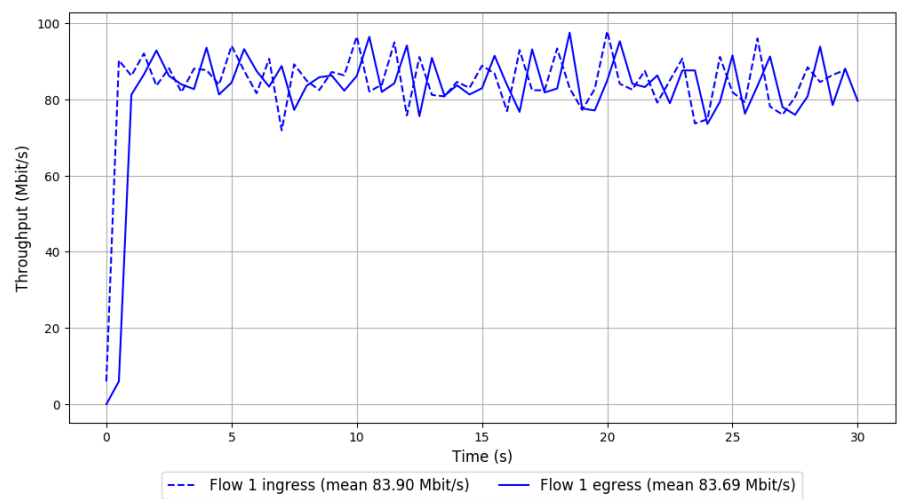


Run 4: Statistics of Verus

Start at: 2018-08-22 12:21:54
End at: 2018-08-22 12:22:24
Local clock offset: 0.267 ms
Remote clock offset: -0.922 ms

Below is generated by plot.py at 2018-08-22 15:08:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 45.516 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 45.516 ms
Loss rate: 0.48%

Run 4: Report of Verus — Data Link

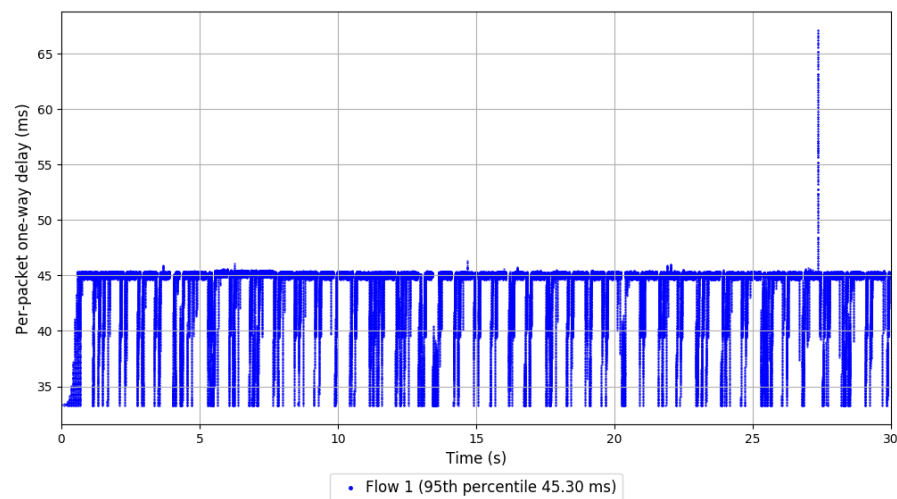
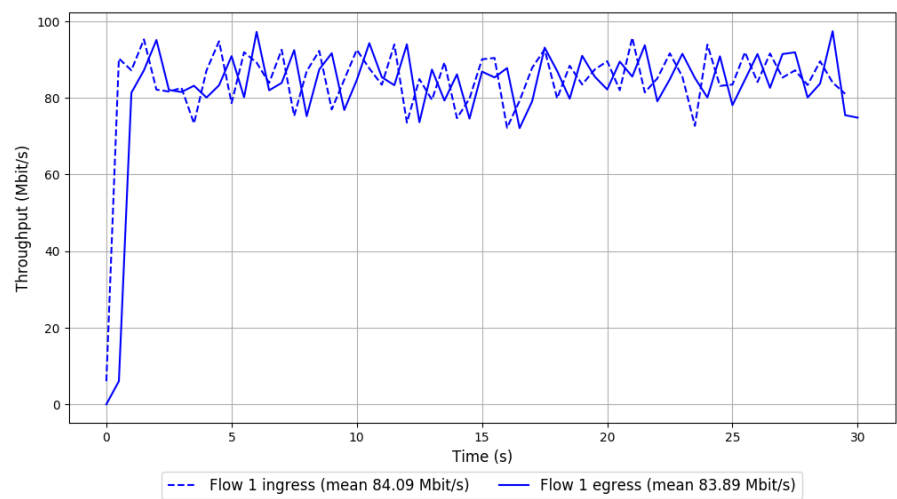


Run 5: Statistics of Verus

Start at: 2018-08-22 12:44:23
End at: 2018-08-22 12:44:53
Local clock offset: 0.145 ms
Remote clock offset: -1.226 ms

Below is generated by plot.py at 2018-08-22 15:09:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 45.301 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 45.301 ms
Loss rate: 0.47%

Run 5: Report of Verus — Data Link

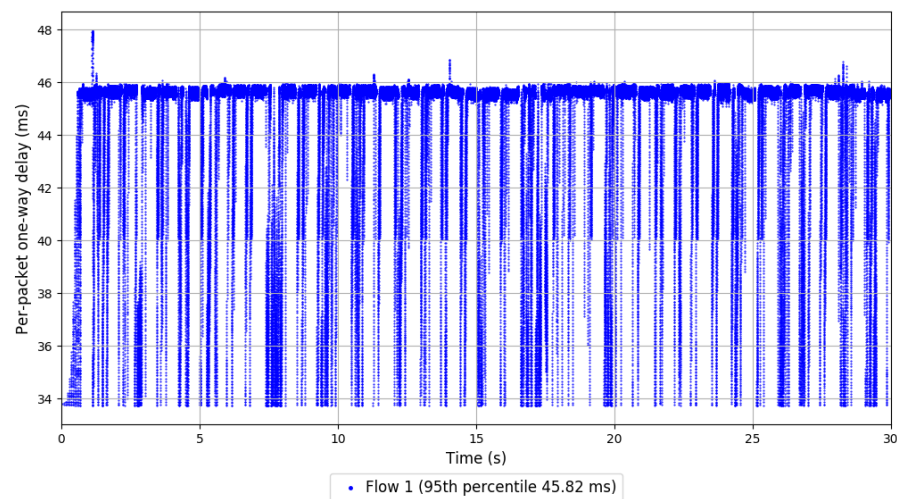
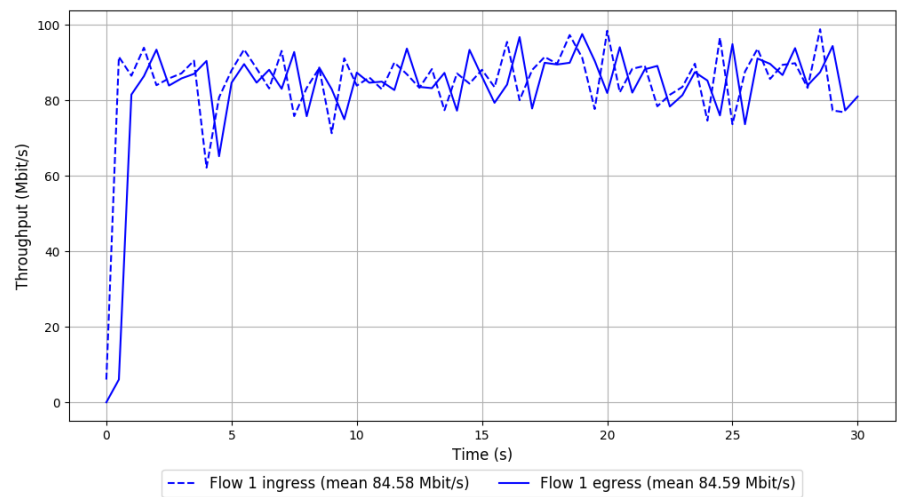


Run 6: Statistics of Verus

Start at: 2018-08-22 13:06:49
End at: 2018-08-22 13:07:19
Local clock offset: 0.368 ms
Remote clock offset: -2.306 ms

Below is generated by plot.py at 2018-08-22 15:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 45.820 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 45.820 ms
Loss rate: 0.26%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-22 13:29:08

End at: 2018-08-22 13:29:38

Local clock offset: 0.221 ms

Remote clock offset: -0.76 ms

Below is generated by plot.py at 2018-08-22 15:09:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 45.500 ms

Loss rate: 0.45%

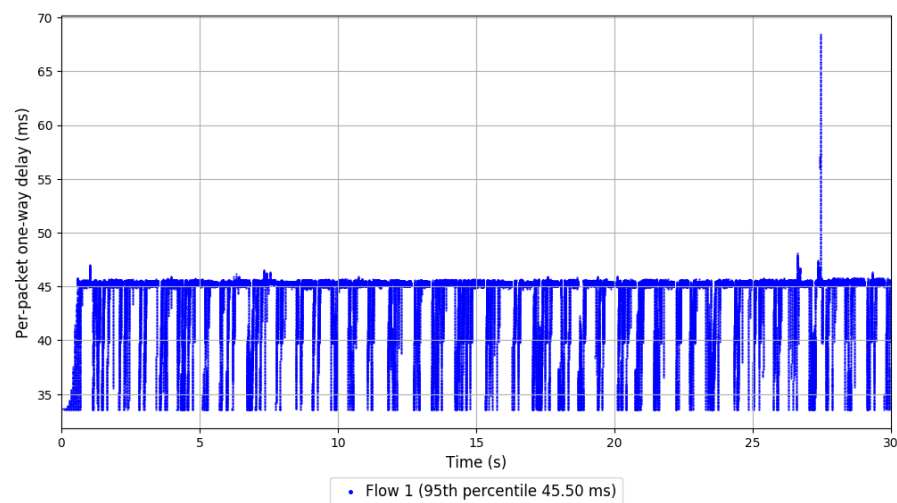
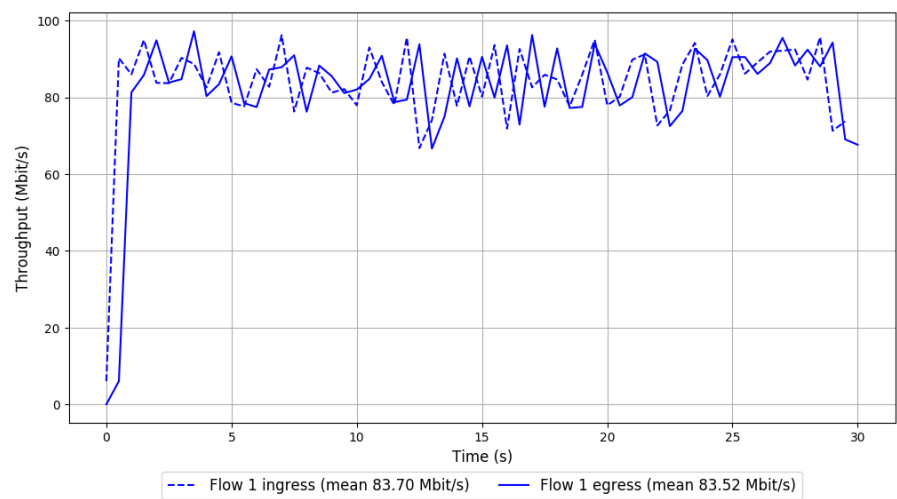
-- Flow 1:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 45.500 ms

Loss rate: 0.45%

Run 7: Report of Verus — Data Link

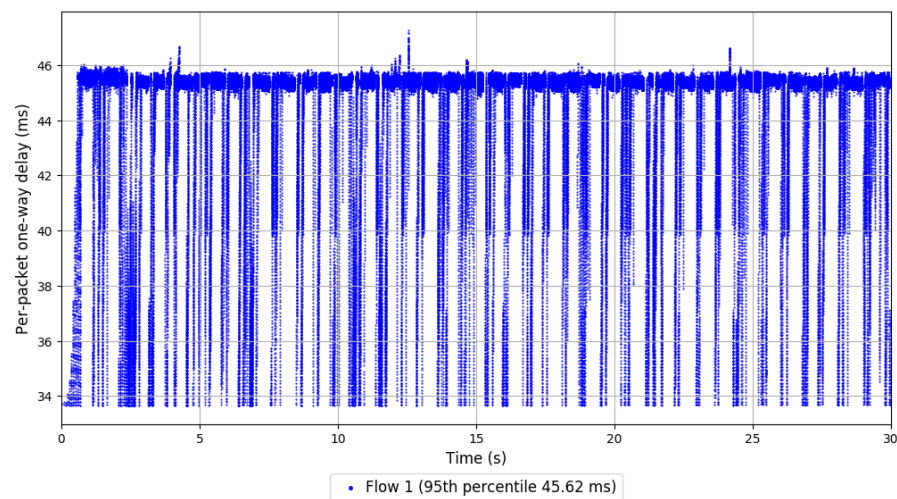
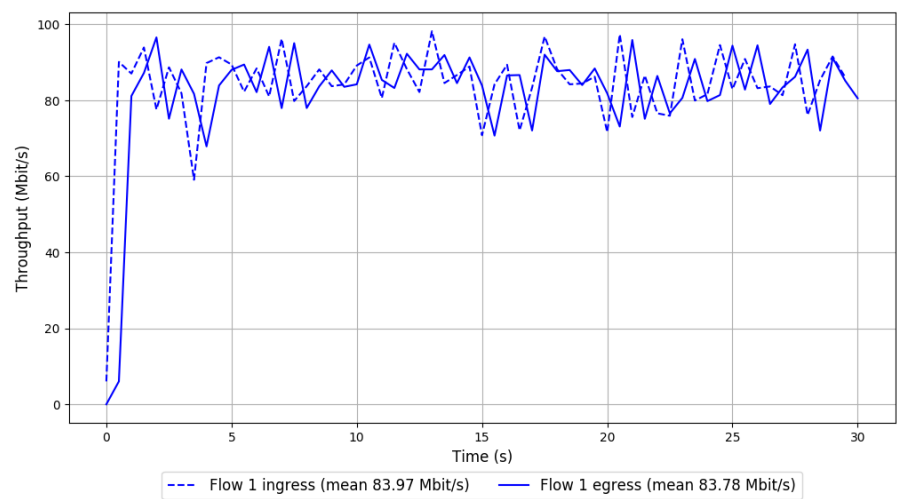


Run 8: Statistics of Verus

Start at: 2018-08-22 13:51:32
End at: 2018-08-22 13:52:02
Local clock offset: 0.23 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-08-22 15:09:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 45.625 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 45.625 ms
Loss rate: 0.46%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-22 14:13:50

End at: 2018-08-22 14:14:20

Local clock offset: 0.206 ms

Remote clock offset: 0.402 ms

Below is generated by plot.py at 2018-08-22 15:09:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.09 Mbit/s

95th percentile per-packet one-way delay: 45.812 ms

Loss rate: 0.45%

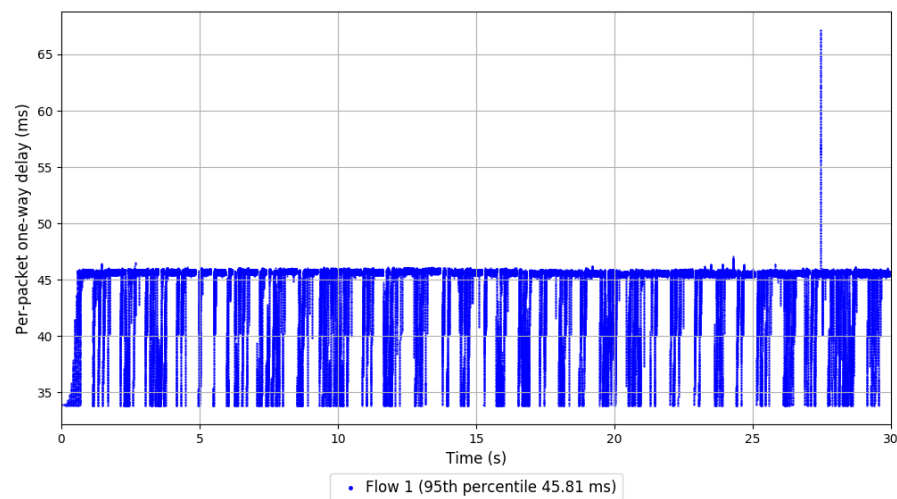
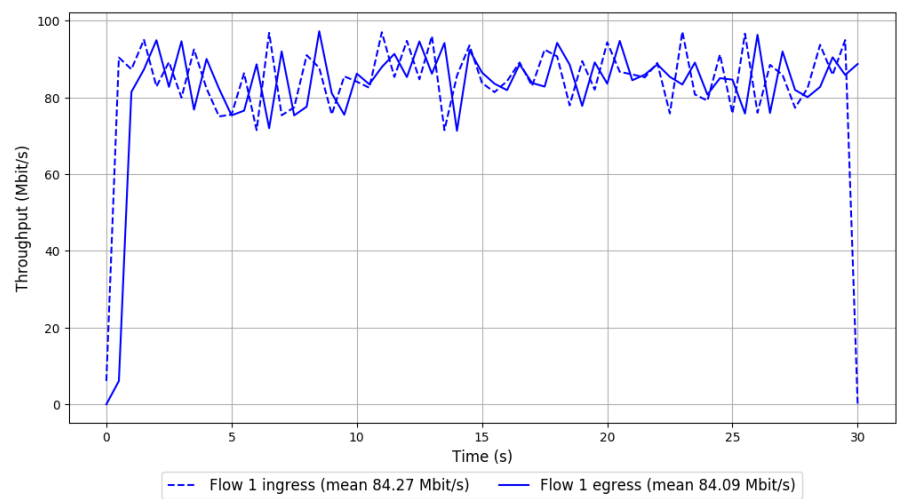
-- Flow 1:

Average throughput: 84.09 Mbit/s

95th percentile per-packet one-way delay: 45.812 ms

Loss rate: 0.45%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-22 14:36:10

End at: 2018-08-22 14:36:40

Local clock offset: 0.224 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-08-22 15:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 45.603 ms

Loss rate: 0.45%

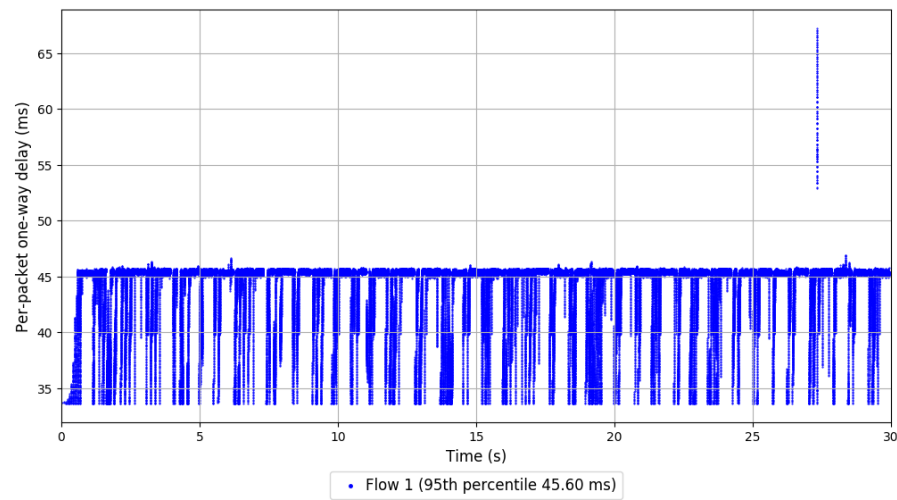
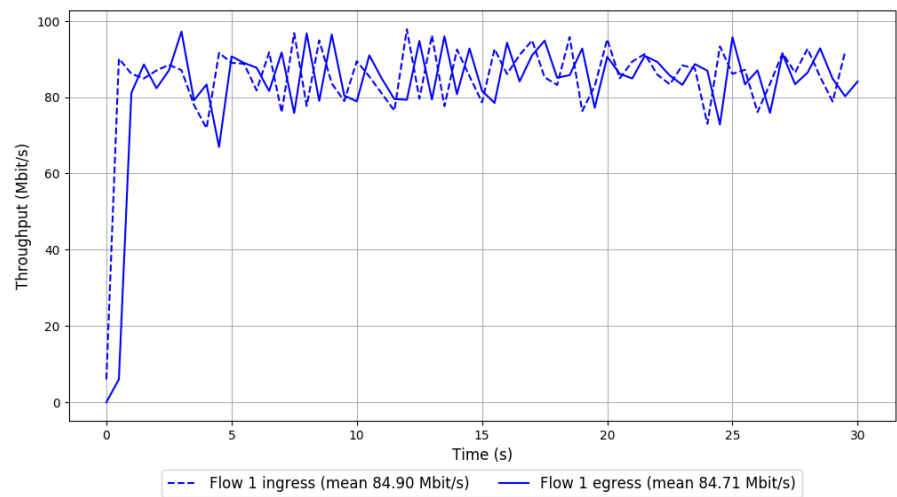
-- Flow 1:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 45.603 ms

Loss rate: 0.45%

Run 10: Report of Verus — Data Link

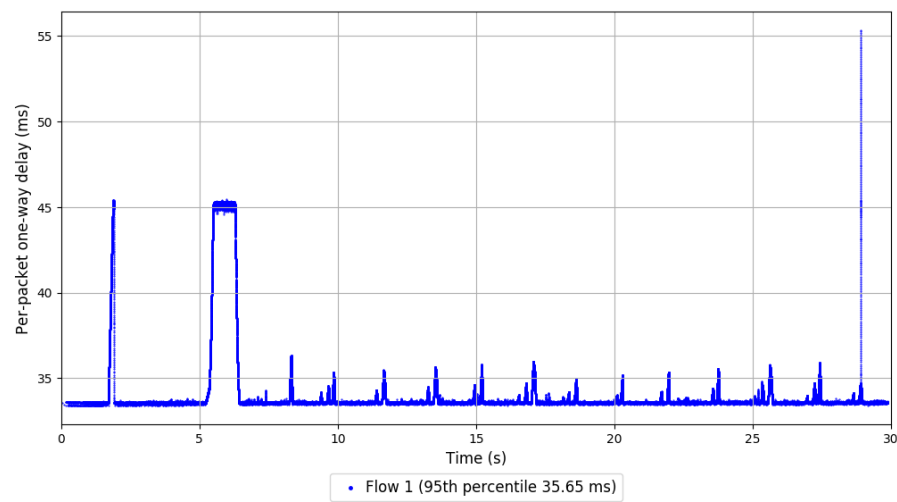
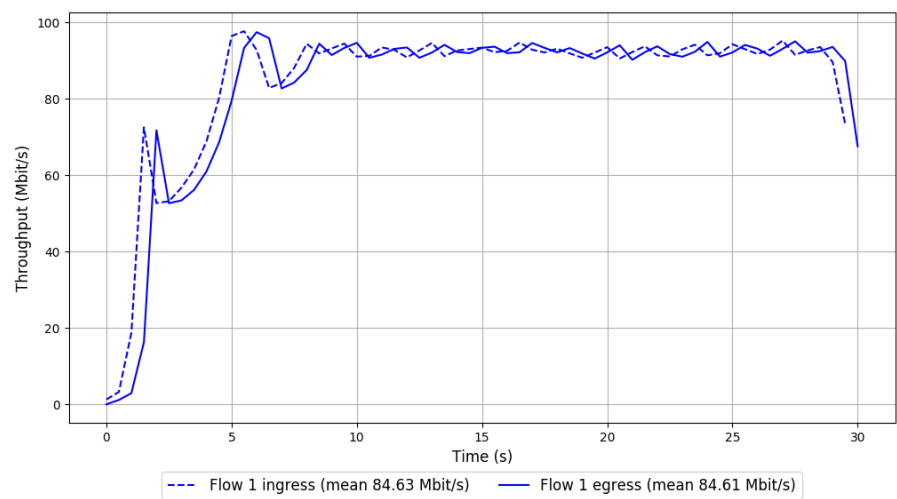


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 11:11:40
End at: 2018-08-22 11:12:10
Local clock offset: 1.345 ms
Remote clock offset: -2.887 ms

Below is generated by plot.py at 2018-08-22 15:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 35.647 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 35.647 ms
Loss rate: 0.24%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 11:34:05

End at: 2018-08-22 11:34:35

Local clock offset: 1.347 ms

Remote clock offset: -1.934 ms

Below is generated by plot.py at 2018-08-22 15:09:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.24 Mbit/s

95th percentile per-packet one-way delay: 35.161 ms

Loss rate: 0.22%

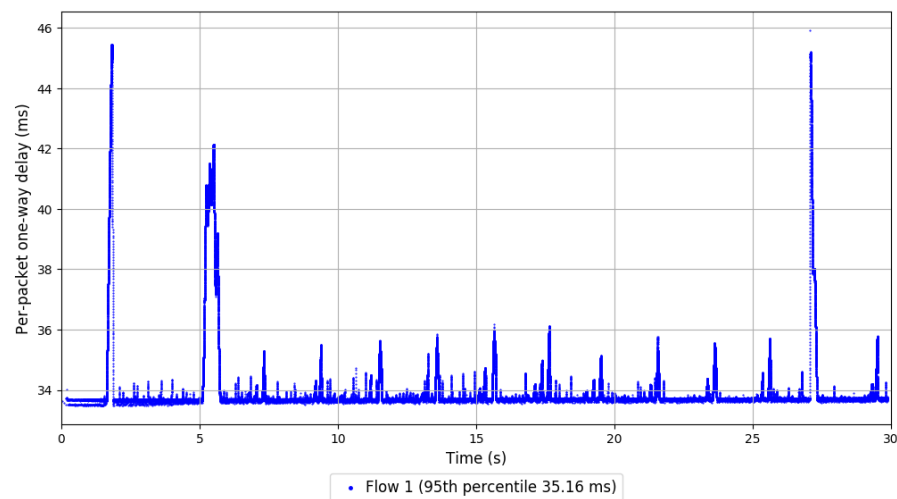
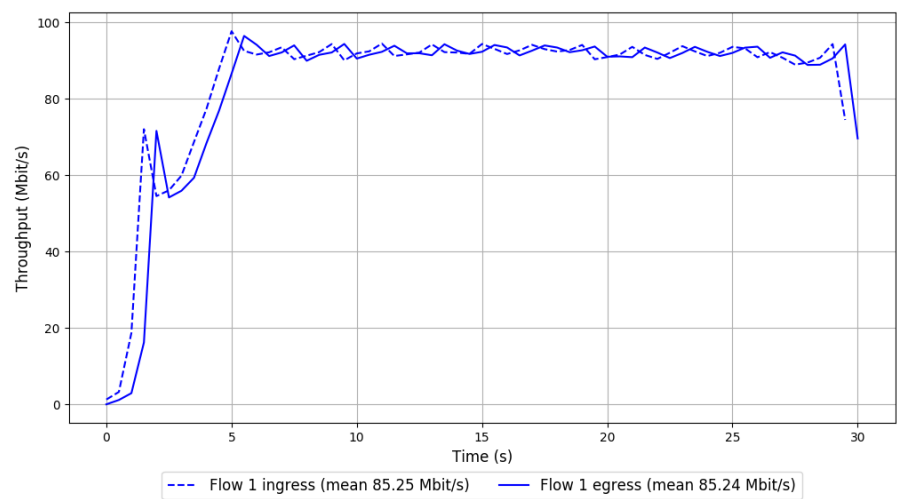
-- Flow 1:

Average throughput: 85.24 Mbit/s

95th percentile per-packet one-way delay: 35.161 ms

Loss rate: 0.22%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 11:56:56

End at: 2018-08-22 11:57:26

Local clock offset: 0.882 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-08-22 15:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 35.660 ms

Loss rate: 0.23%

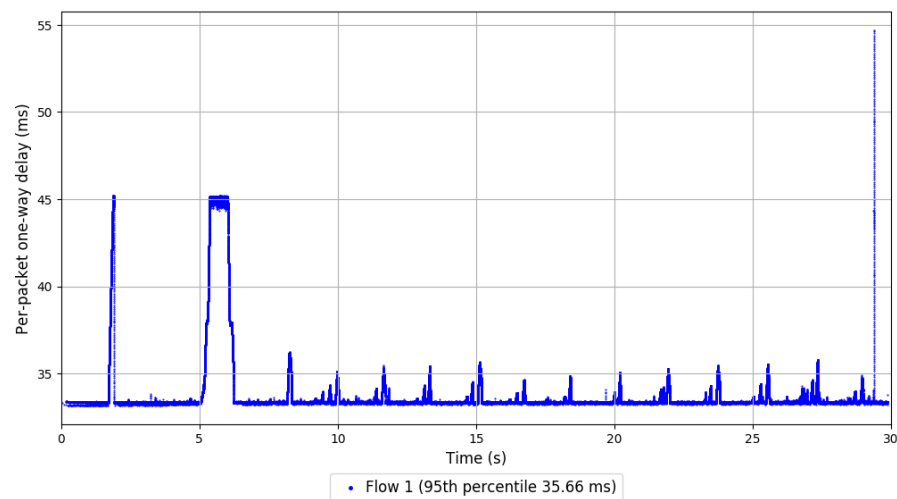
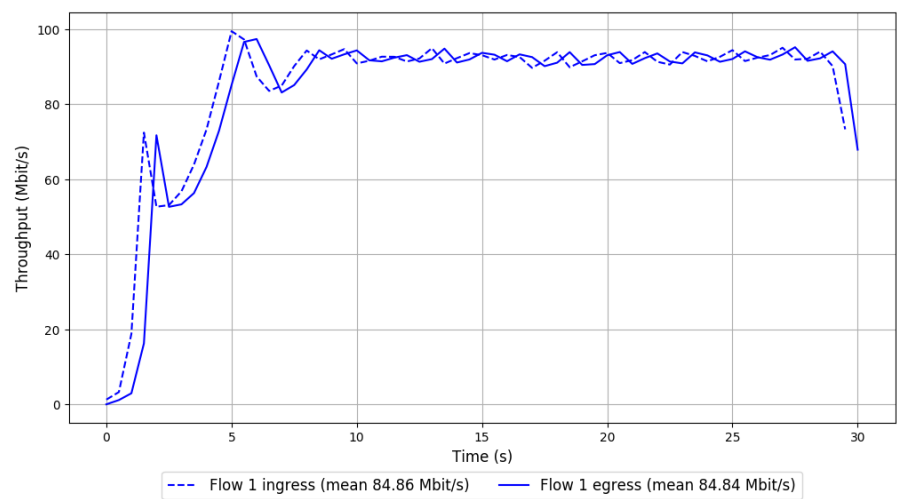
-- Flow 1:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 35.660 ms

Loss rate: 0.23%

Run 3: Report of PCC-Vivace — Data Link

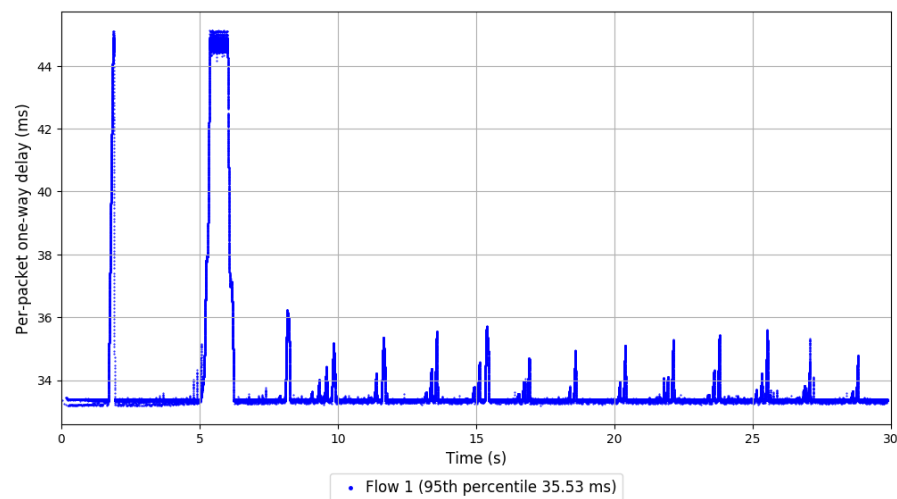
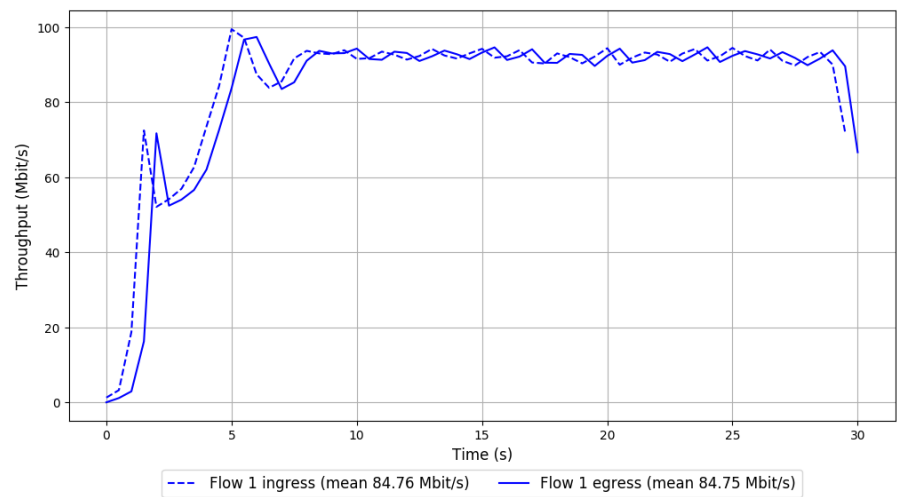


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 12:19:15
End at: 2018-08-22 12:19:45
Local clock offset: 0.303 ms
Remote clock offset: -0.812 ms

Below is generated by plot.py at 2018-08-22 15:10:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 35.533 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 35.533 ms
Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link

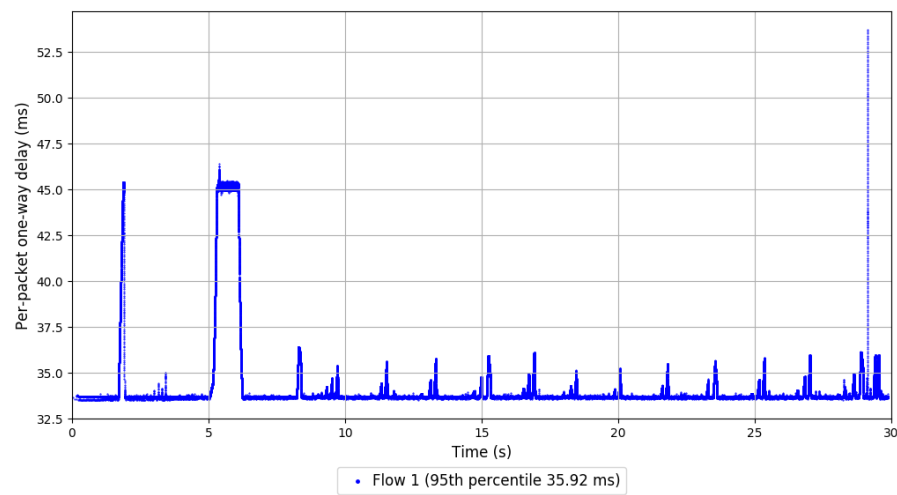
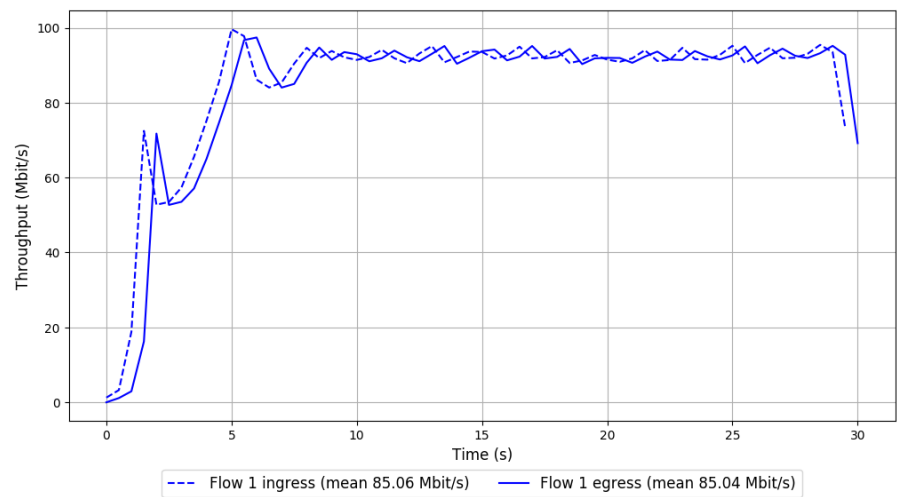


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 12:41:43
End at: 2018-08-22 12:42:13
Local clock offset: 0.216 ms
Remote clock offset: -1.533 ms

Below is generated by plot.py at 2018-08-22 15:10:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 35.923 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 35.923 ms
Loss rate: 0.23%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 13:04:09

End at: 2018-08-22 13:04:39

Local clock offset: 0.361 ms

Remote clock offset: -2.039 ms

Below is generated by plot.py at 2018-08-22 15:10:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.89 Mbit/s

95th percentile per-packet one-way delay: 35.577 ms

Loss rate: 0.23%

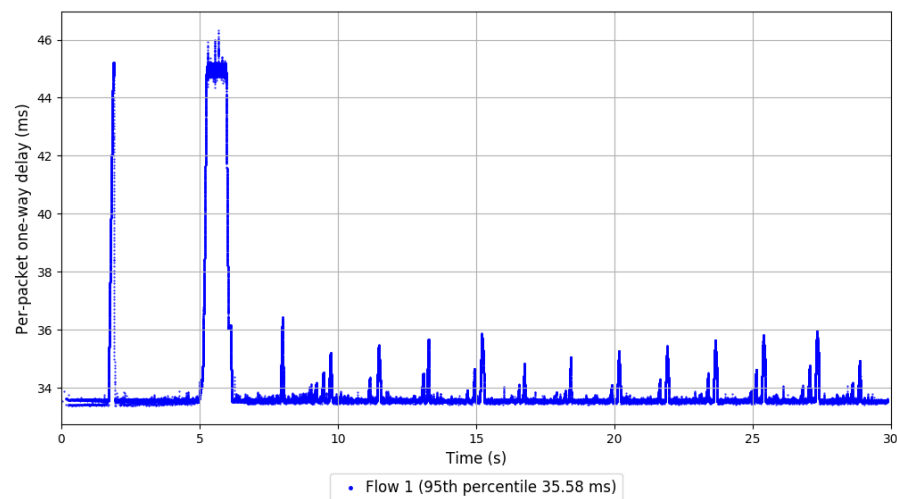
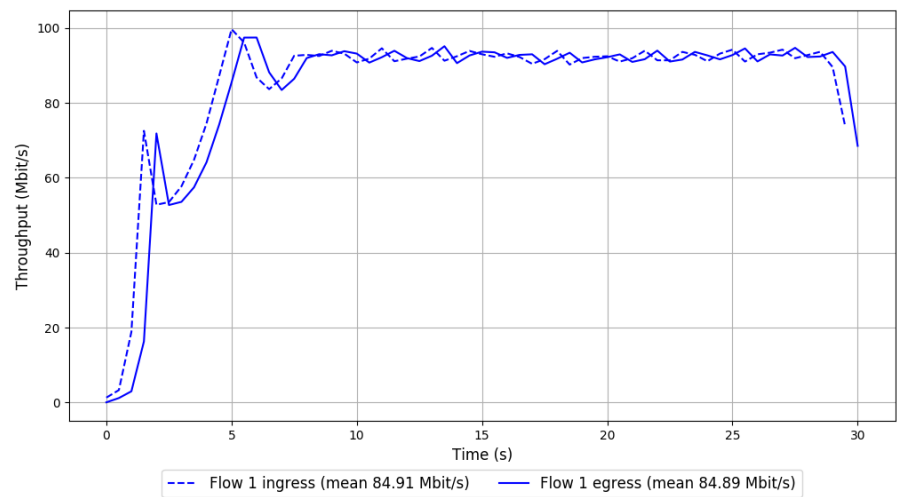
-- Flow 1:

Average throughput: 84.89 Mbit/s

95th percentile per-packet one-way delay: 35.577 ms

Loss rate: 0.23%

Run 6: Report of PCC-Vivace — Data Link

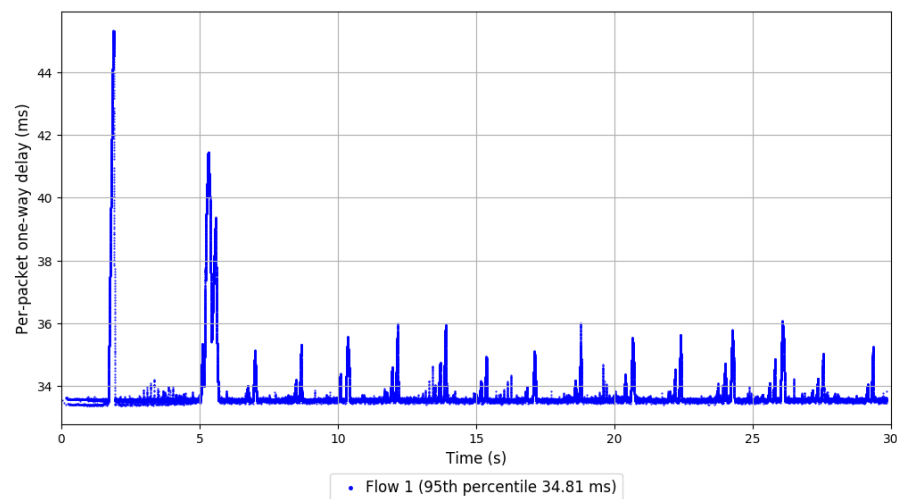
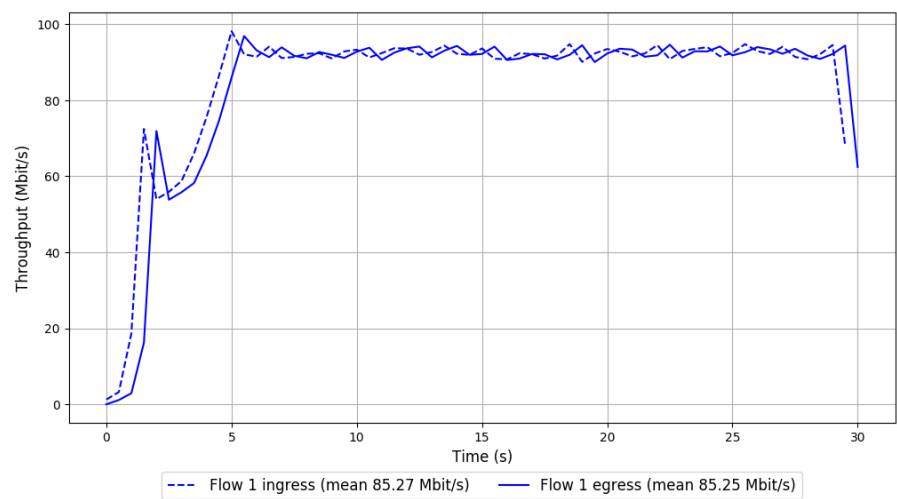


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 13:26:30
End at: 2018-08-22 13:27:00
Local clock offset: 0.213 ms
Remote clock offset: -0.814 ms

Below is generated by plot.py at 2018-08-22 15:10:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 34.807 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 34.807 ms
Loss rate: 0.24%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 13:48:53

End at: 2018-08-22 13:49:23

Local clock offset: 0.214 ms

Remote clock offset: -0.524 ms

Below is generated by plot.py at 2018-08-22 15:10:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 35.776 ms

Loss rate: 0.25%

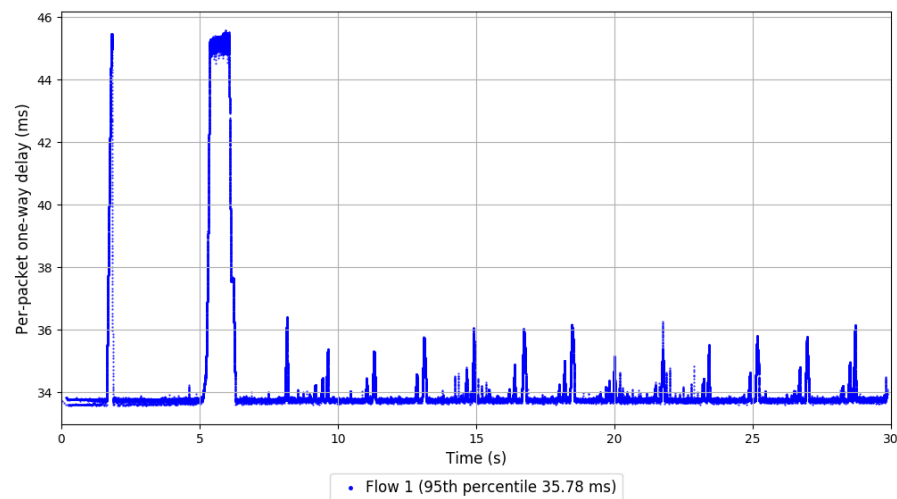
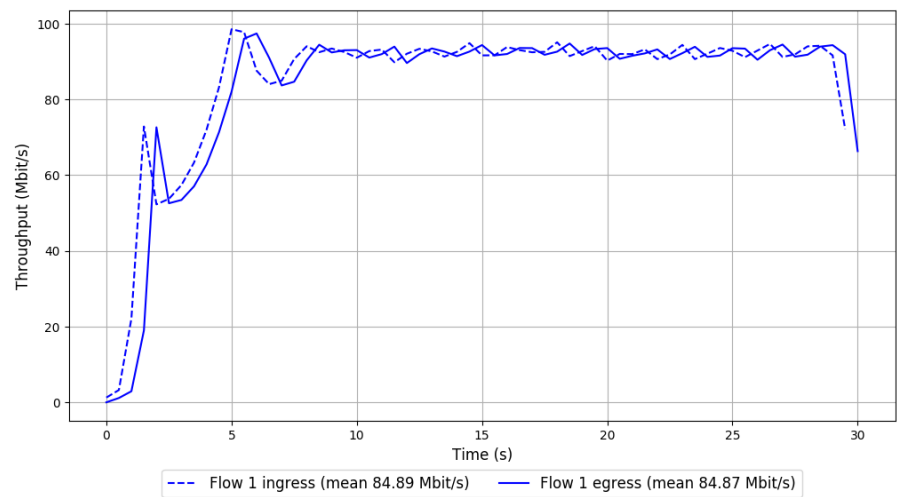
-- Flow 1:

Average throughput: 84.87 Mbit/s

95th percentile per-packet one-way delay: 35.776 ms

Loss rate: 0.25%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 14:11:12

End at: 2018-08-22 14:11:42

Local clock offset: 0.136 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2018-08-22 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 34.817 ms

Loss rate: 0.24%

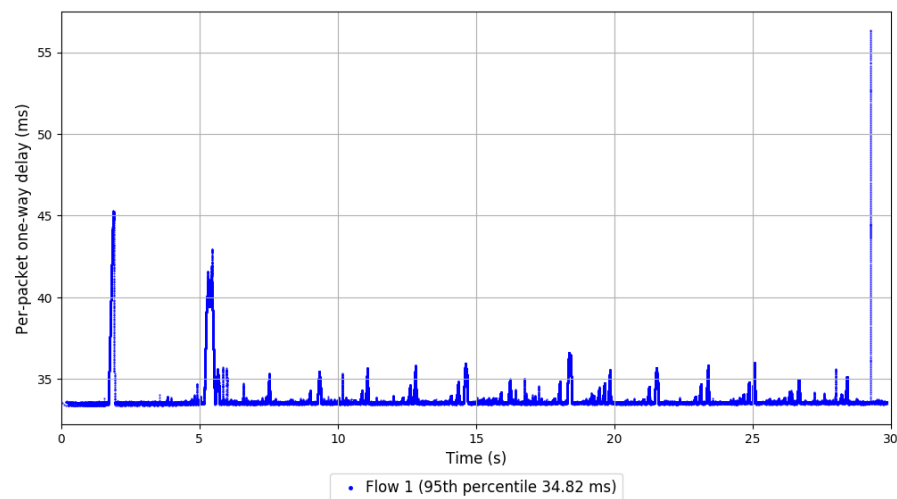
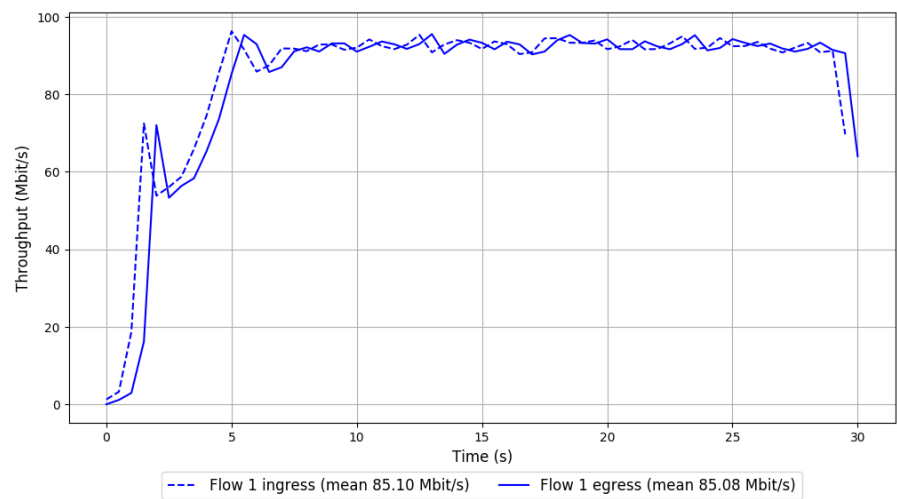
-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 34.817 ms

Loss rate: 0.24%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 14:33:31

End at: 2018-08-22 14:34:01

Local clock offset: 0.135 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-08-22 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 35.719 ms

Loss rate: 0.24%

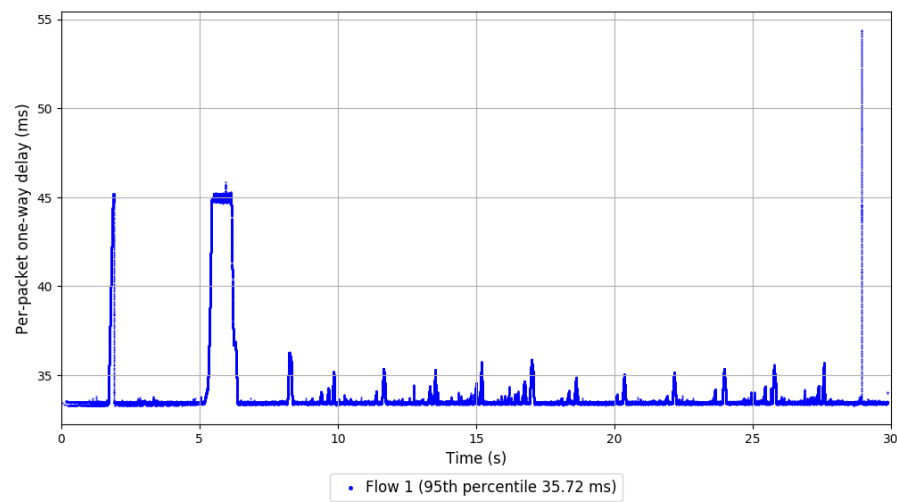
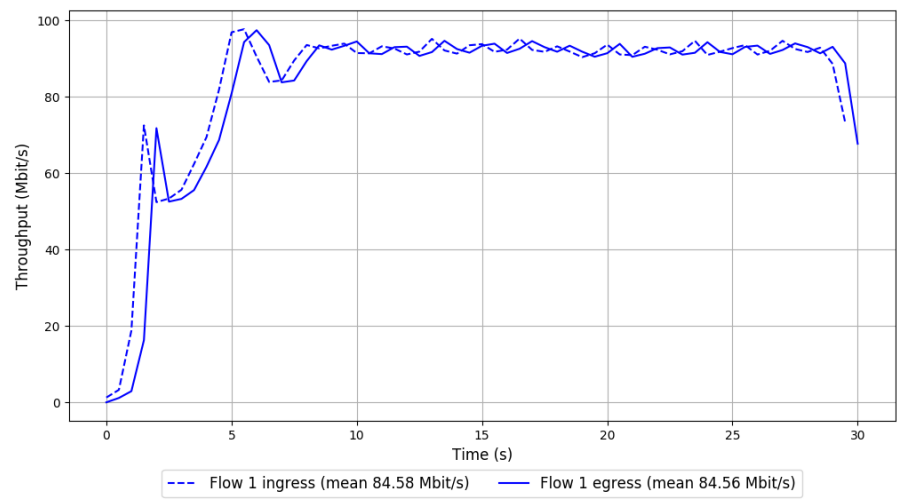
-- Flow 1:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 35.719 ms

Loss rate: 0.24%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-22 11:10:24

End at: 2018-08-22 11:10:54

Local clock offset: 1.46 ms

Remote clock offset: -2.884 ms

Below is generated by plot.py at 2018-08-22 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 34.015 ms

Loss rate: 0.27%

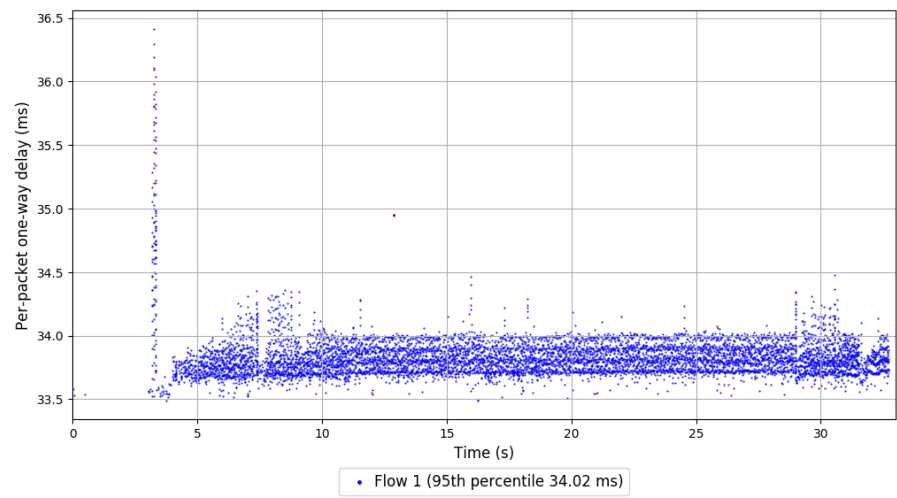
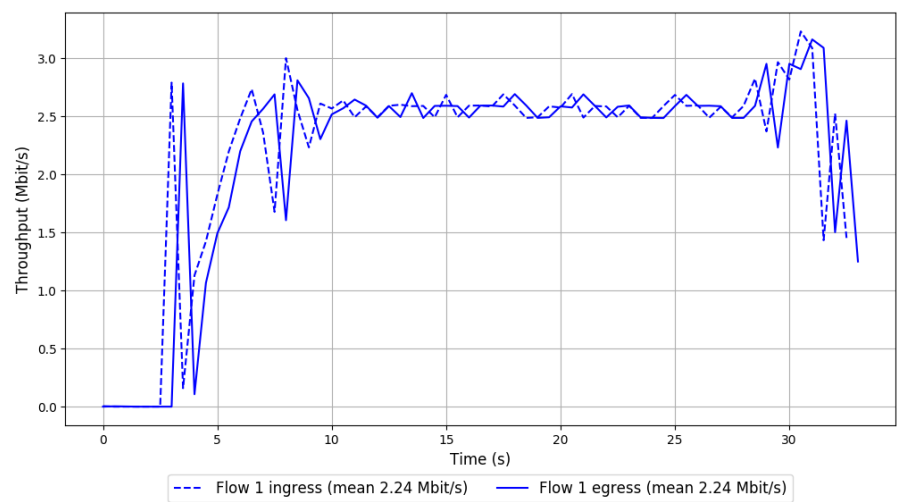
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 34.015 ms

Loss rate: 0.27%

Run 1: Report of WebRTC media — Data Link

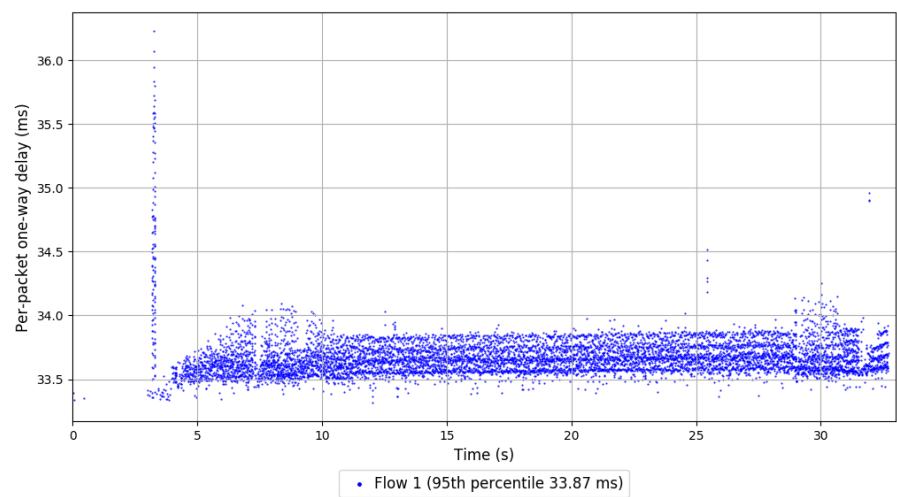
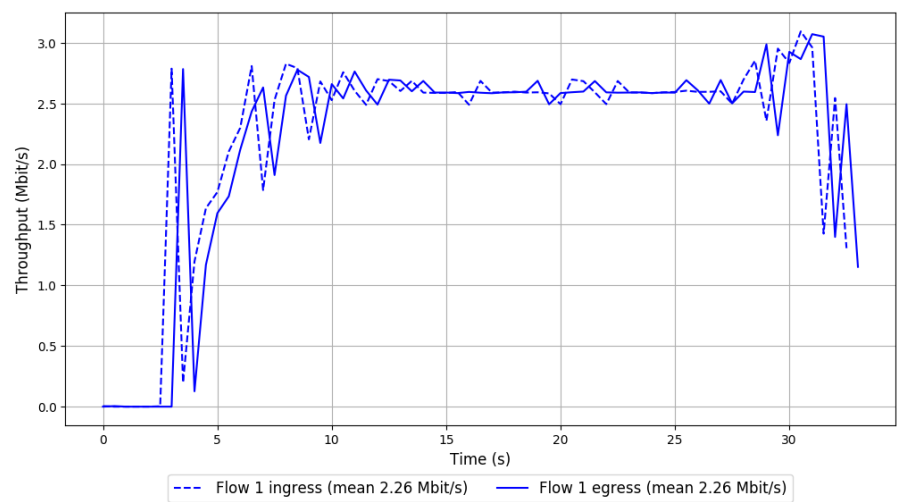


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 11:32:50
End at: 2018-08-22 11:33:20
Local clock offset: 1.309 ms
Remote clock offset: -1.916 ms

Below is generated by plot.py at 2018-08-22 15:10:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 33.869 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 33.869 ms
Loss rate: 0.24%

Run 2: Report of WebRTC media — Data Link

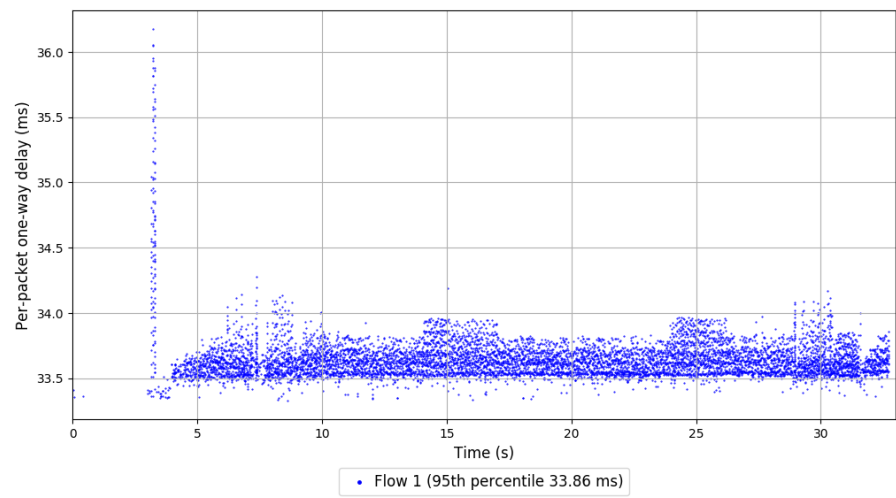
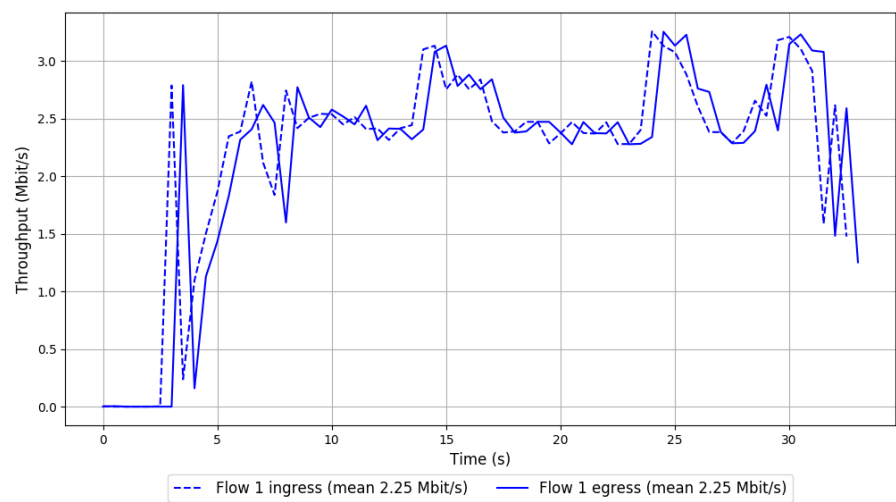


Run 3: Statistics of WebRTC media

Start at: 2018-08-22 11:55:41
End at: 2018-08-22 11:56:11
Local clock offset: 0.877 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-08-22 15:10:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 33.863 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 33.863 ms
Loss rate: 0.27%

Run 3: Report of WebRTC media — Data Link

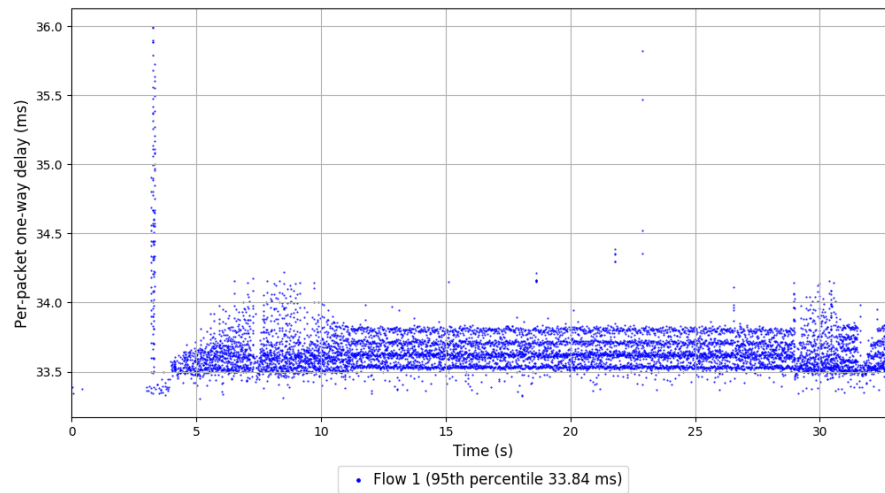
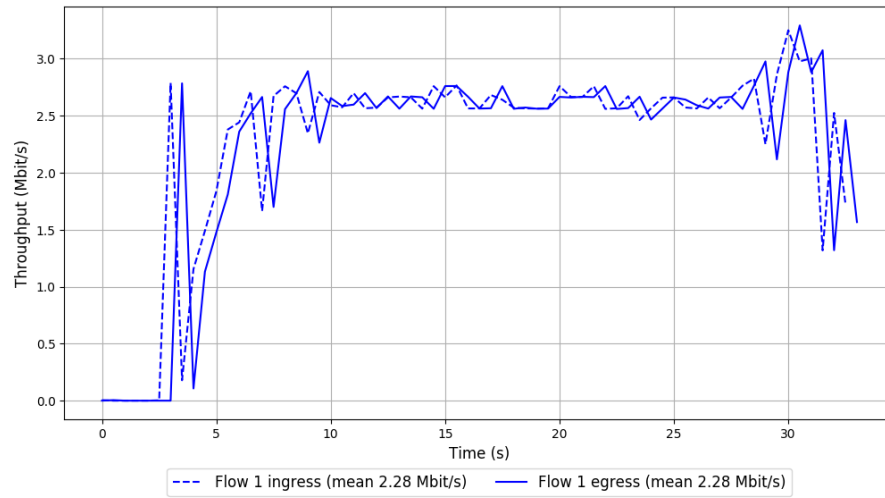


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 12:18:00
End at: 2018-08-22 12:18:30
Local clock offset: 0.34 ms
Remote clock offset: -0.853 ms

Below is generated by plot.py at 2018-08-22 15:10:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 33.835 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 33.835 ms
Loss rate: 0.24%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-22 12:40:28

End at: 2018-08-22 12:40:58

Local clock offset: 0.115 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2018-08-22 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 33.915 ms

Loss rate: 0.26%

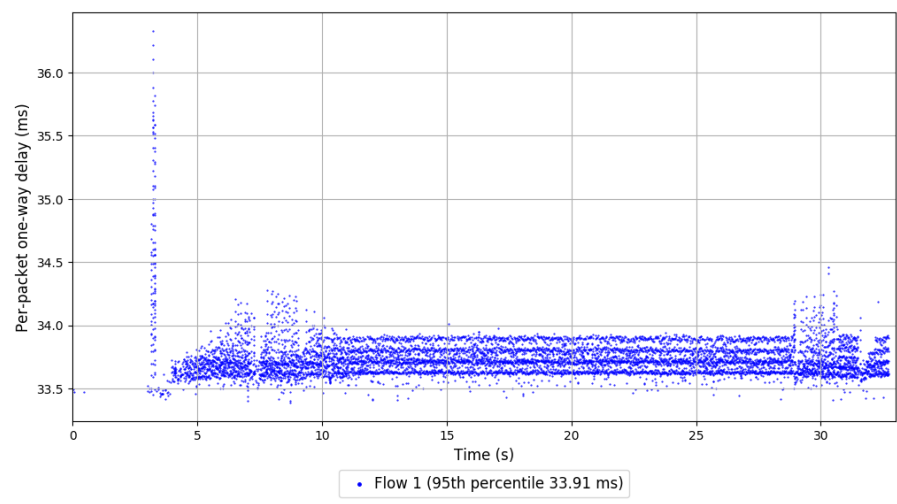
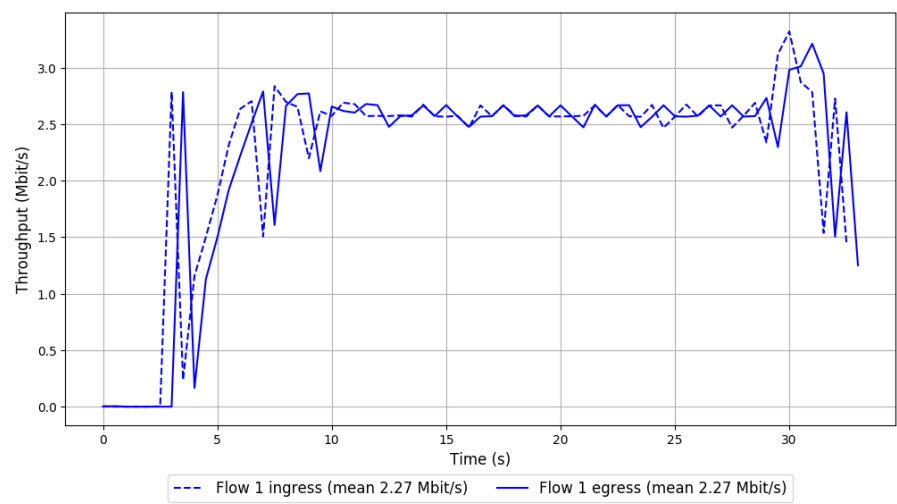
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 33.915 ms

Loss rate: 0.26%

Run 5: Report of WebRTC media — Data Link

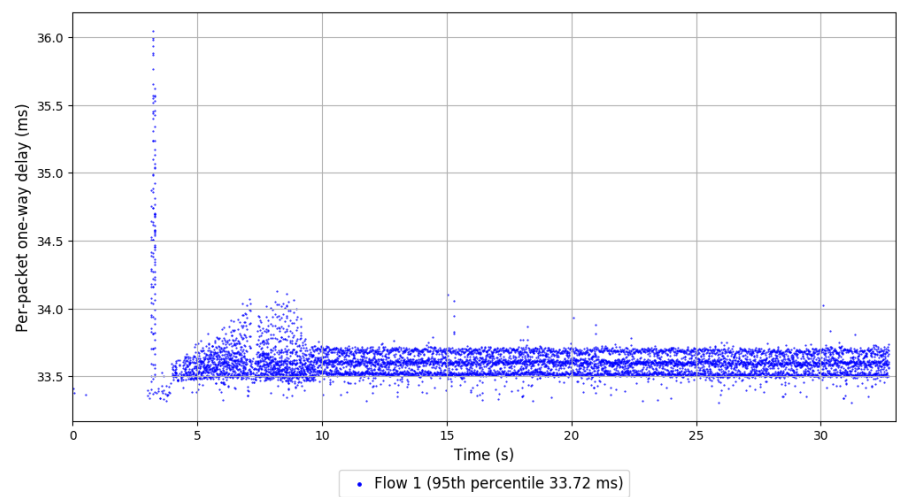
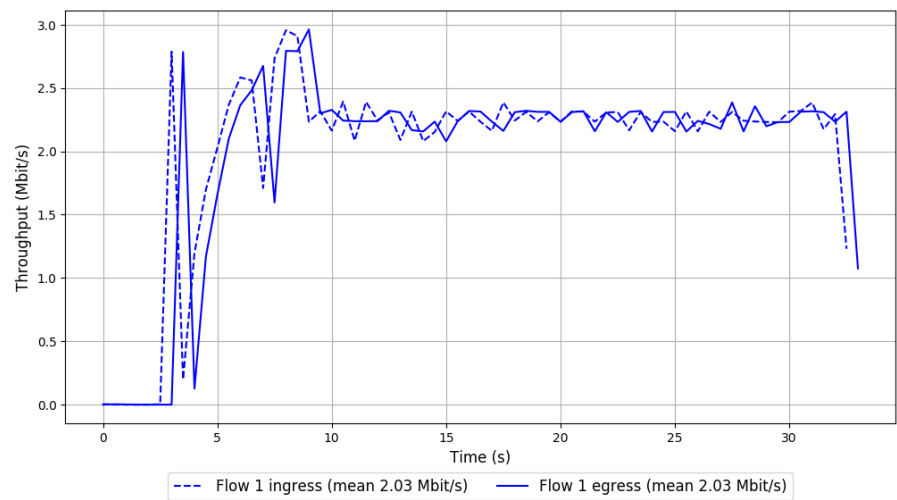


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 13:02:54
End at: 2018-08-22 13:03:24
Local clock offset: 0.251 ms
Remote clock offset: -1.968 ms

Below is generated by plot.py at 2018-08-22 15:10:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 33.723 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 33.723 ms
Loss rate: 0.23%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-22 13:25:15

End at: 2018-08-22 13:25:45

Local clock offset: 0.134 ms

Remote clock offset: -0.86 ms

Below is generated by plot.py at 2018-08-22 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 33.755 ms

Loss rate: 0.26%

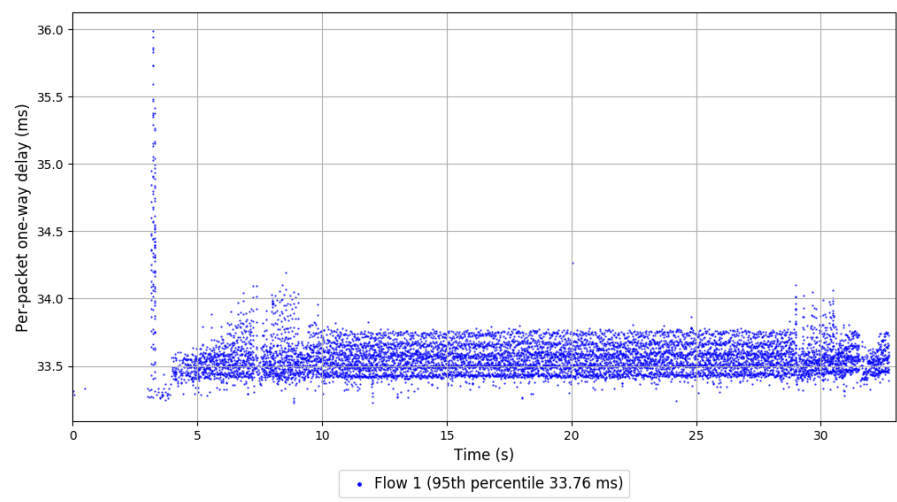
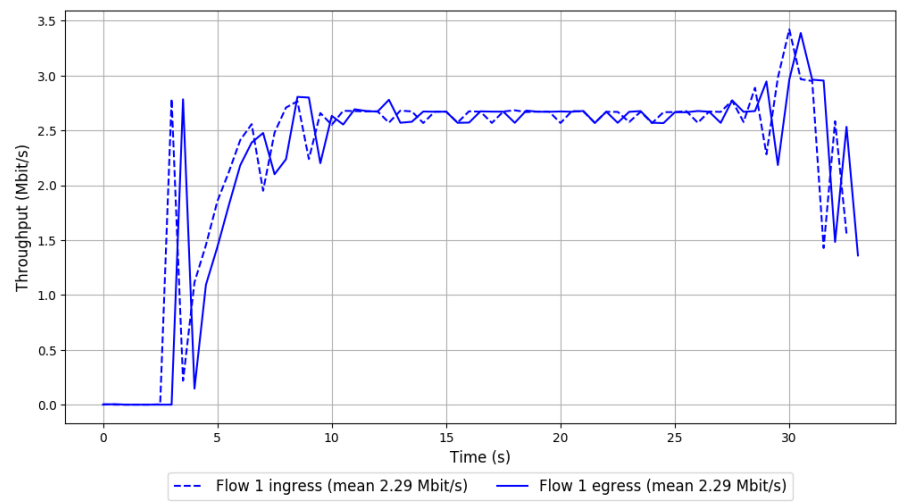
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 33.755 ms

Loss rate: 0.26%

Run 7: Report of WebRTC media — Data Link

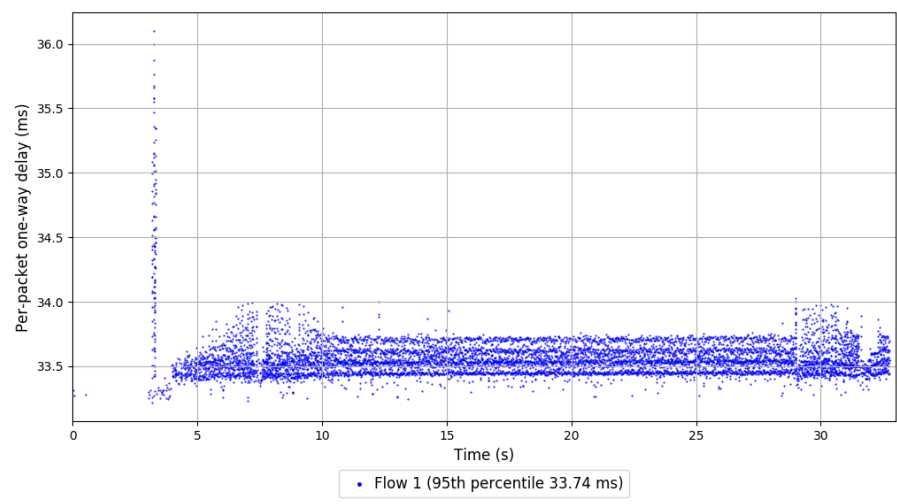
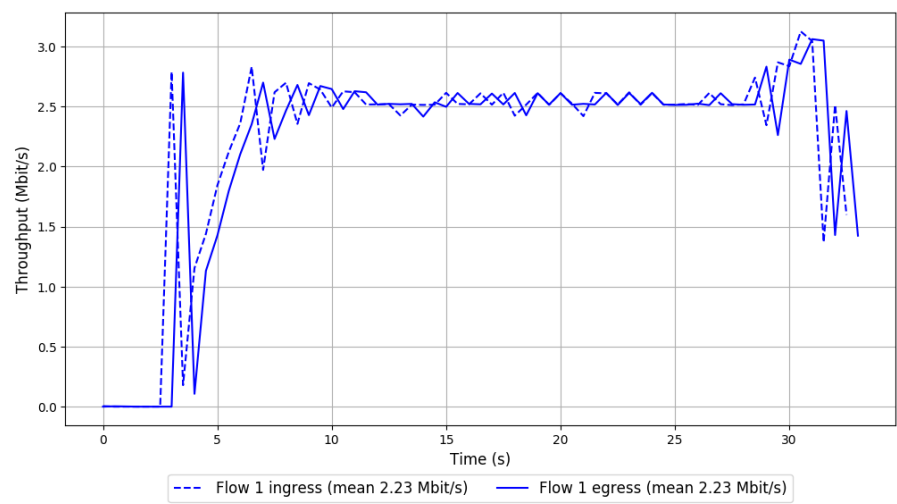


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 13:47:38
End at: 2018-08-22 13:48:08
Local clock offset: 0.141 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-08-22 15:10:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 33.736 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 33.736 ms
Loss rate: 0.25%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-22 14:09:57

End at: 2018-08-22 14:10:27

Local clock offset: 0.226 ms

Remote clock offset: 0.443 ms

Below is generated by plot.py at 2018-08-22 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 33.948 ms

Loss rate: 0.26%

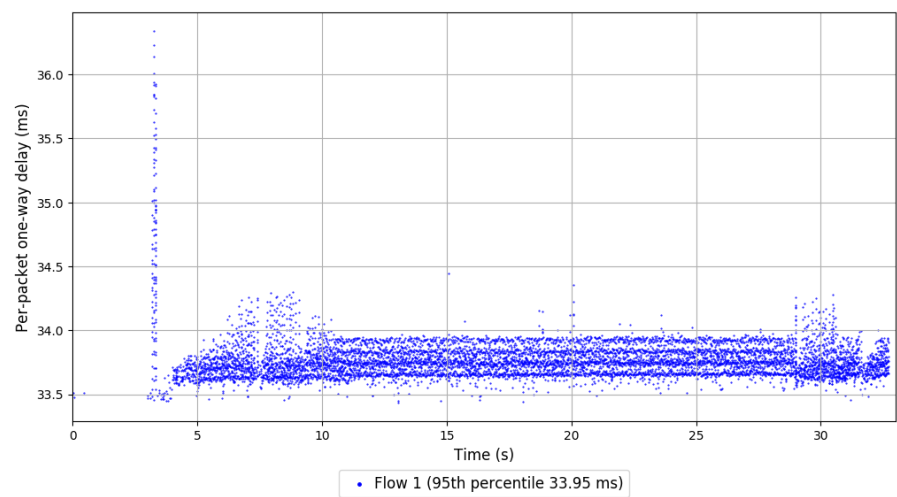
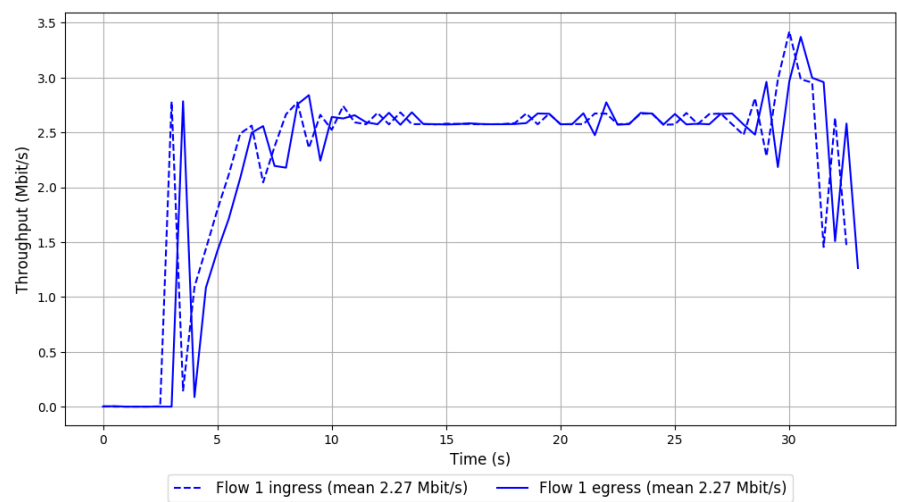
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 33.948 ms

Loss rate: 0.26%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 14:32:16

End at: 2018-08-22 14:32:46

Local clock offset: 0.2 ms

Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-08-22 15:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 33.890 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 33.890 ms

Loss rate: 0.26%

Run 10: Report of WebRTC media — Data Link

