

Pantheon Report

Generated at 2018-07-17 13:00:27 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

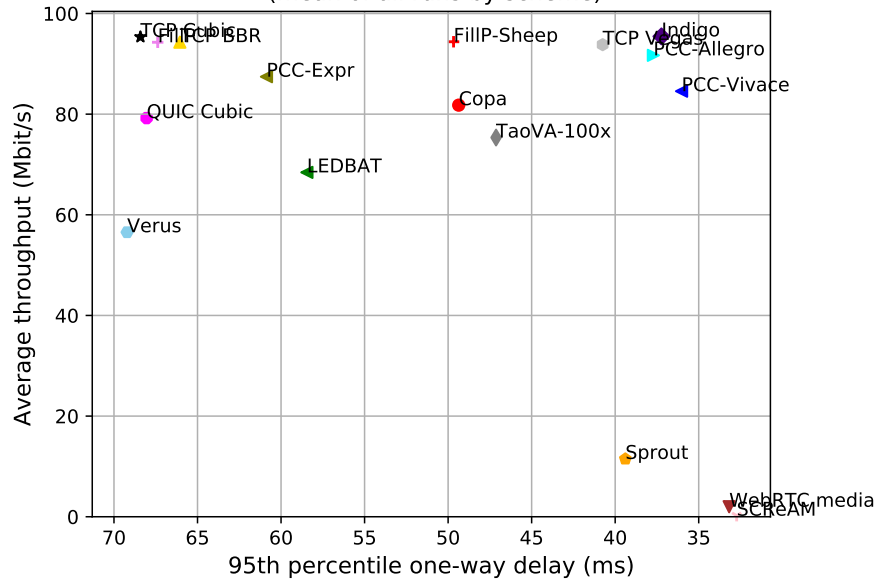
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

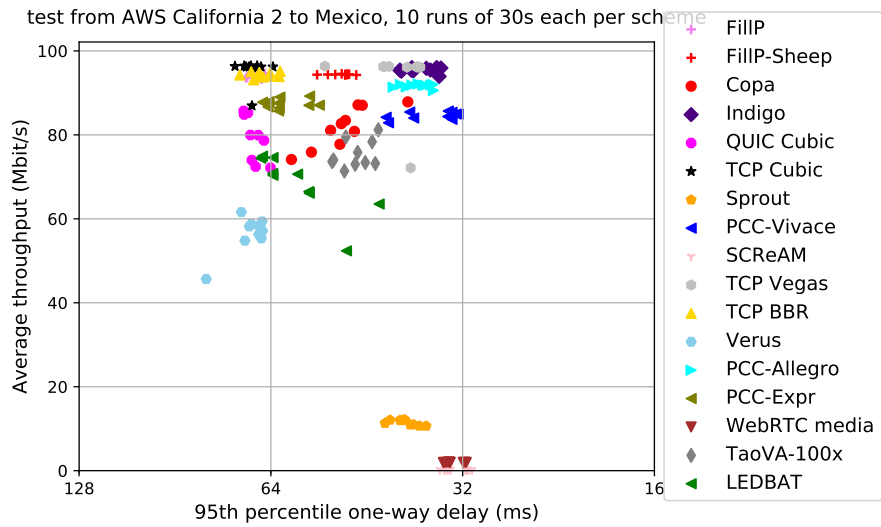
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from AWS California 2 to Mexico, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.31	66.06	4.11
Copa	10	81.79	49.37	0.83
TCP Cubic	10	95.34	68.42	0.40
FillP	10	94.28	67.38	7.24
FillP-Sheep	10	94.38	49.67	0.92
Indigo	10	95.45	37.23	0.01
LEDBAT	10	68.43	58.45	0.01
PCC-Allegro	10	91.69	37.71	0.65
PCC-Expr	10	87.44	60.87	0.92
QUIC Cubic	9	79.22	68.05	1.95
SCReAM	10	0.21	32.73	0.01
Sprout	10	11.49	39.39	0.02
TaoVA-100x	10	75.35	47.13	0.00
TCP Vegas	10	93.81	40.75	0.25
Verus	10	56.54	69.22	30.07
PCC-Vivace	10	84.56	36.03	0.02
WebRTC media	10	1.98	33.18	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 08:58:42

End at: 2018-07-17 08:59:12

Local clock offset: -0.088 ms

Remote clock offset: -1.82 ms

Below is generated by plot.py at 2018-07-17 12:38:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 71.606 ms

Loss rate: 4.12%

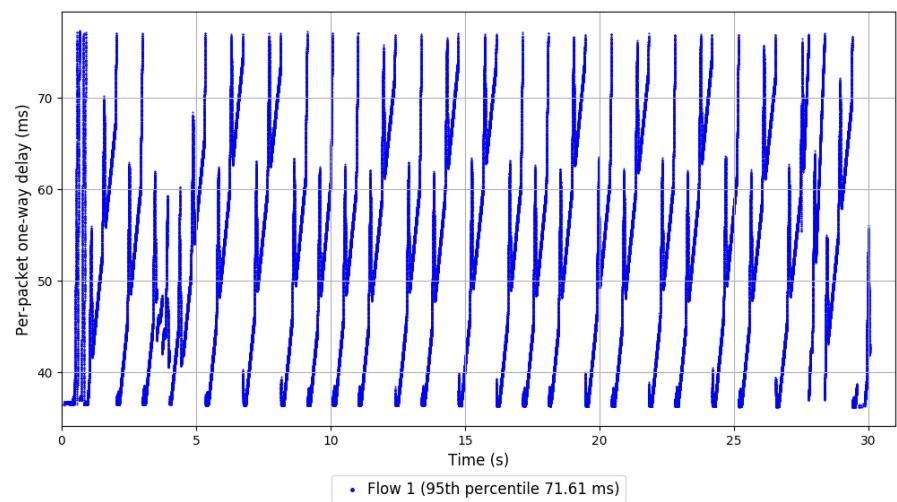
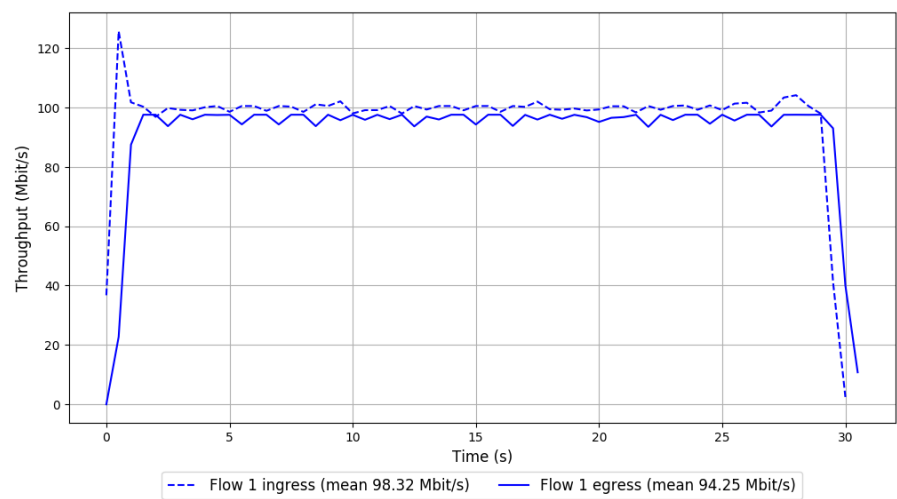
-- Flow 1:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 71.606 ms

Loss rate: 4.12%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-17 09:20:52

End at: 2018-07-17 09:21:22

Local clock offset: -0.037 ms

Remote clock offset: -0.623 ms

Below is generated by plot.py at 2018-07-17 12:38:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.89 Mbit/s

95th percentile per-packet one-way delay: 66.731 ms

Loss rate: 3.99%

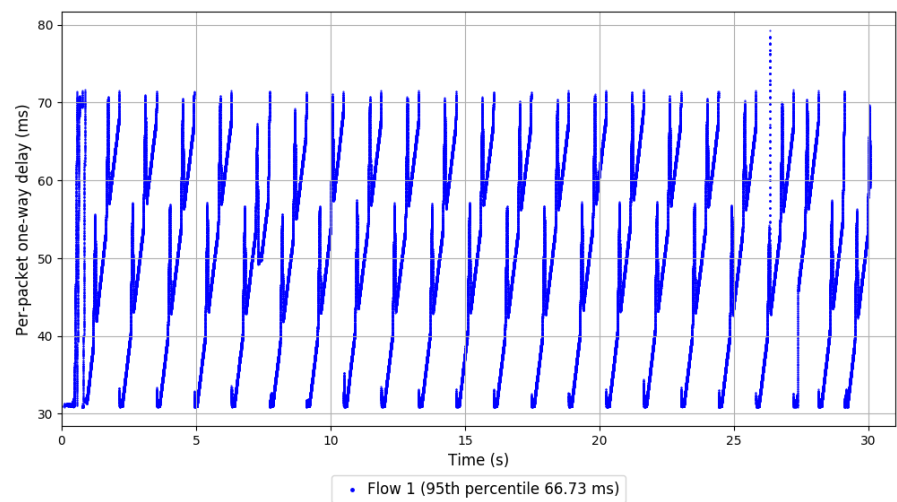
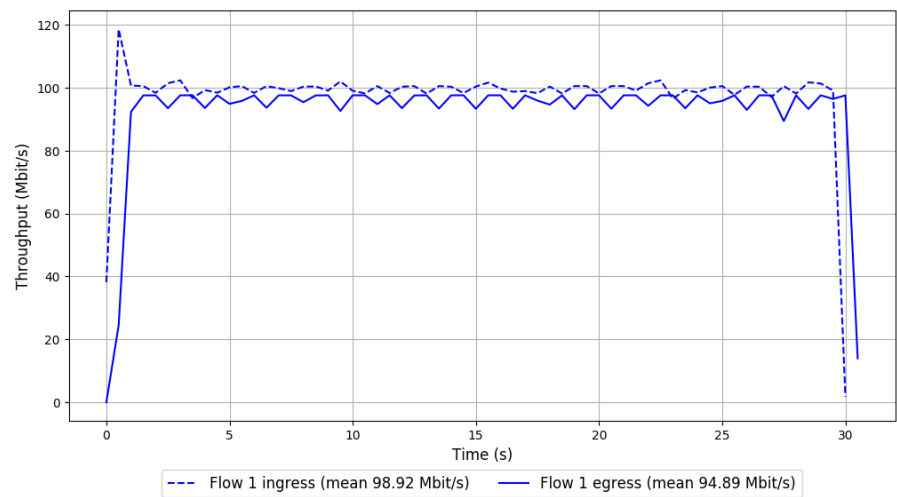
-- Flow 1:

Average throughput: 94.89 Mbit/s

95th percentile per-packet one-way delay: 66.731 ms

Loss rate: 3.99%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-17 09:43:07

End at: 2018-07-17 09:43:37

Local clock offset: 0.145 ms

Remote clock offset: 4.487 ms

Below is generated by plot.py at 2018-07-17 12:38:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 68.714 ms

Loss rate: 4.02%

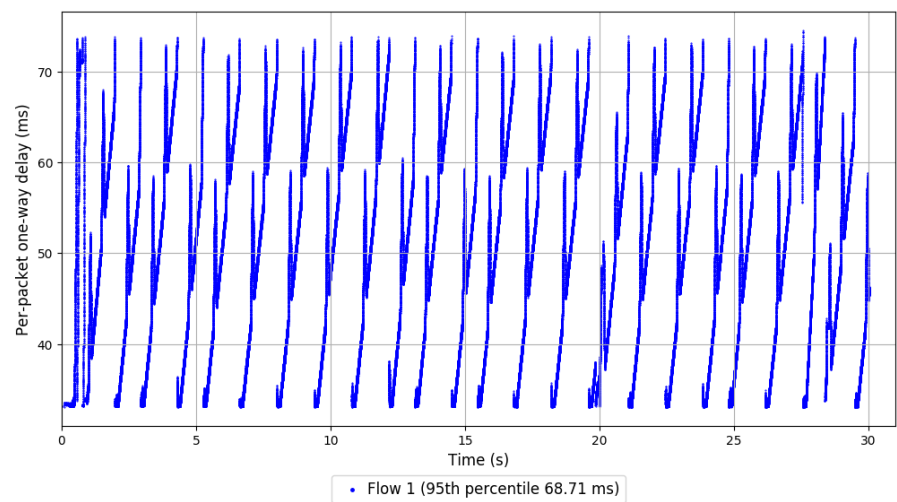
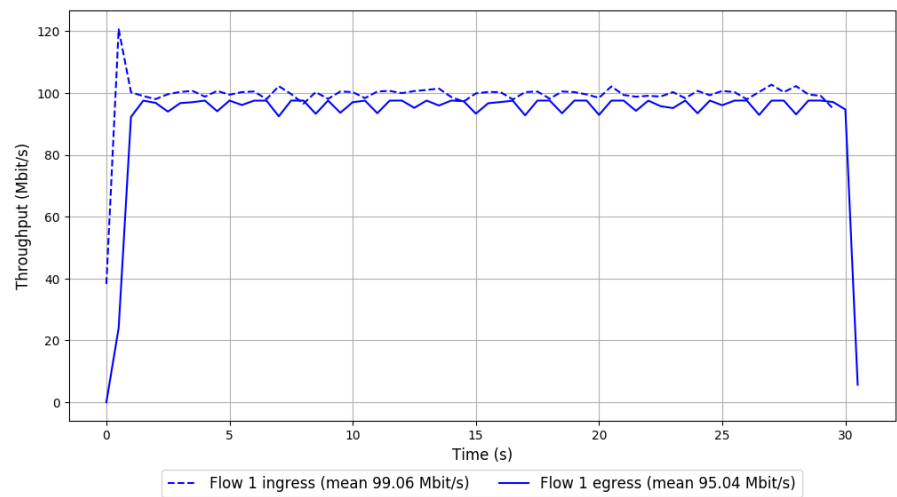
-- Flow 1:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 68.714 ms

Loss rate: 4.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-17 10:05:25

End at: 2018-07-17 10:05:55

Local clock offset: 0.135 ms

Remote clock offset: 3.906 ms

Below is generated by plot.py at 2018-07-17 12:38:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 64.405 ms

Loss rate: 4.32%

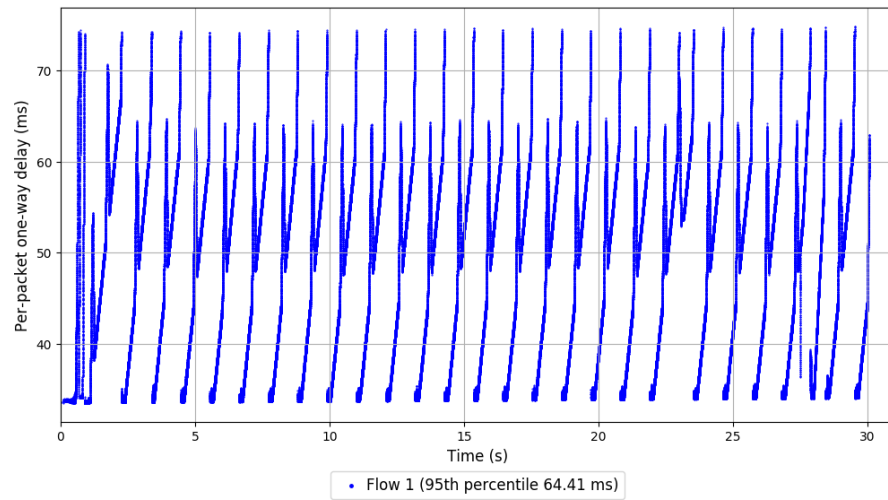
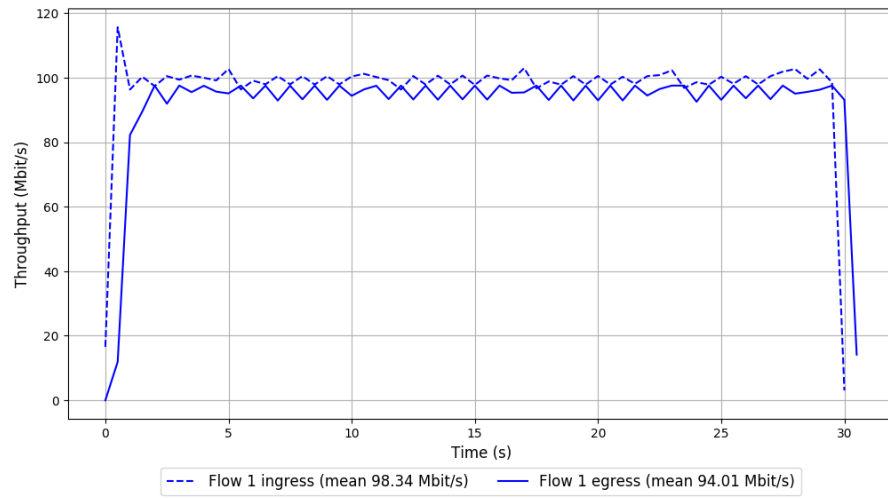
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 64.405 ms

Loss rate: 4.32%

Run 4: Report of TCP BBR — Data Link

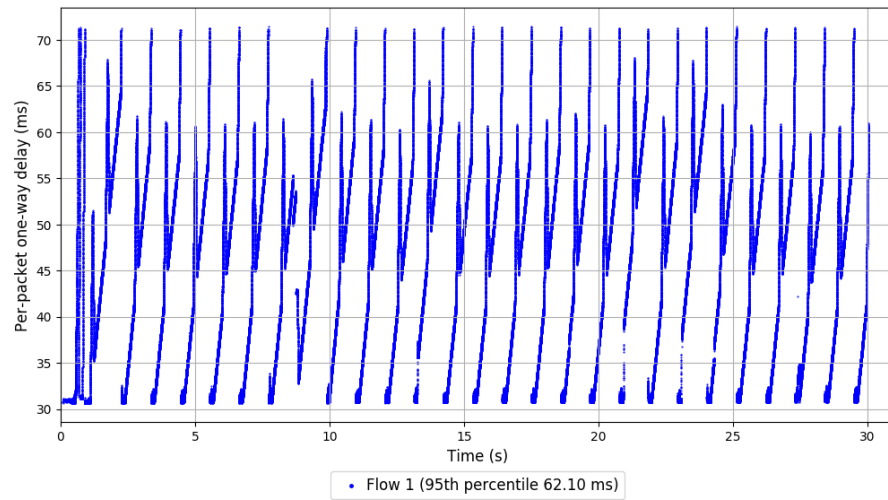
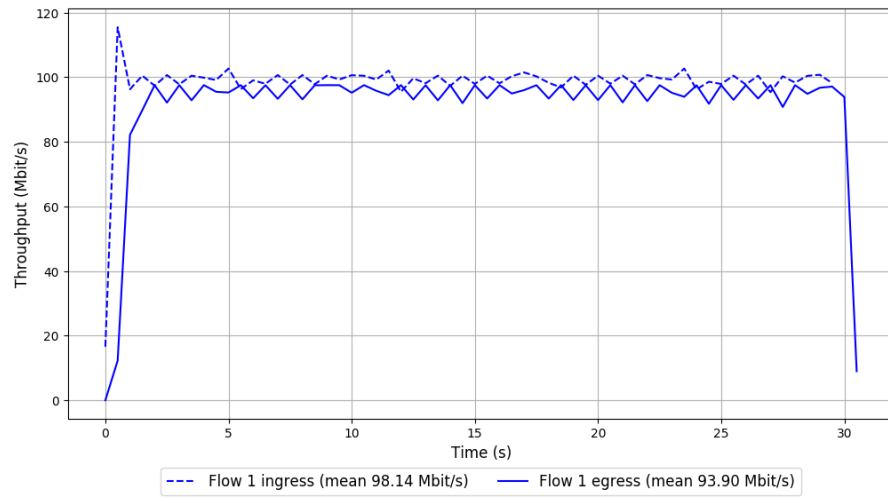


Run 5: Statistics of TCP BBR

Start at: 2018-07-17 10:27:45
End at: 2018-07-17 10:28:15
Local clock offset: -0.058 ms
Remote clock offset: -9.497 ms

Below is generated by plot.py at 2018-07-17 12:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 62.104 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 62.104 ms
Loss rate: 4.23%

Run 5: Report of TCP BBR — Data Link

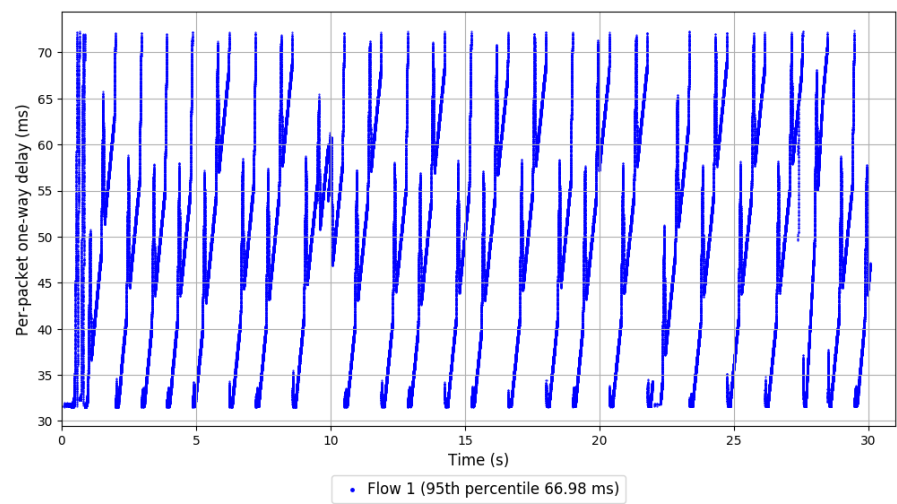
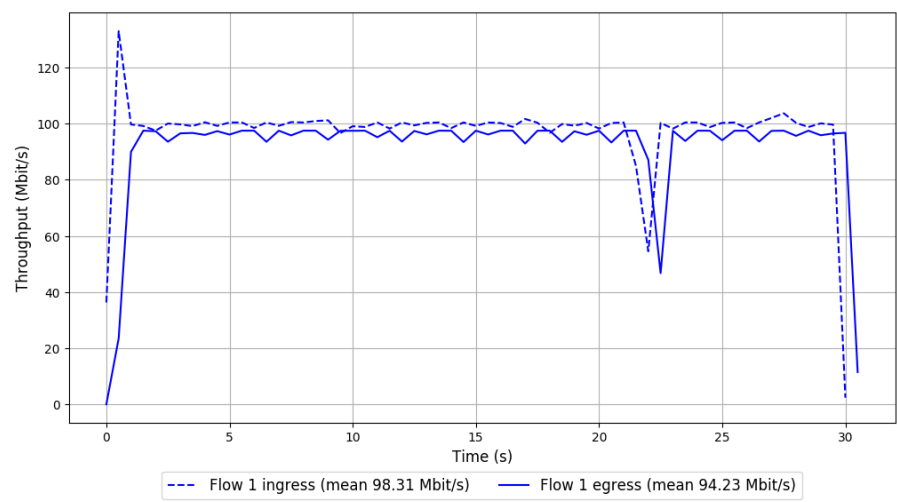


Run 6: Statistics of TCP BBR

Start at: 2018-07-17 10:50:05
End at: 2018-07-17 10:50:35
Local clock offset: -0.042 ms
Remote clock offset: -12.24 ms

Below is generated by plot.py at 2018-07-17 12:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 66.976 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 66.976 ms
Loss rate: 4.10%

Run 6: Report of TCP BBR — Data Link

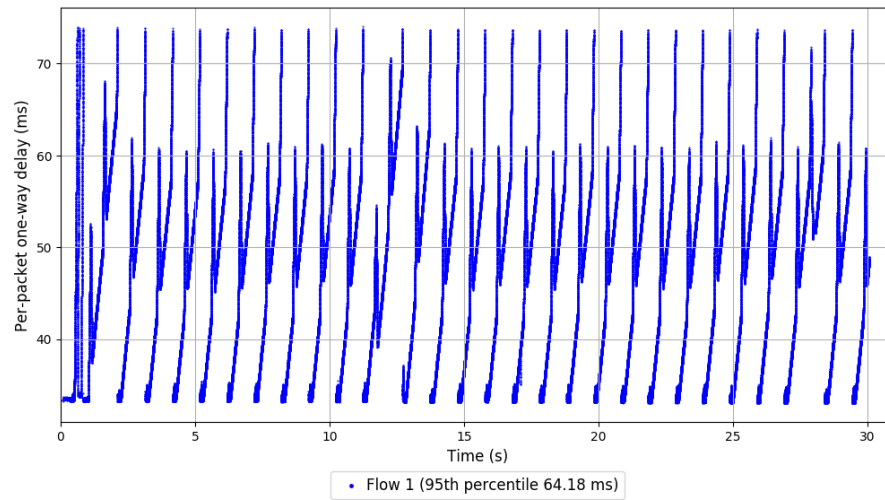
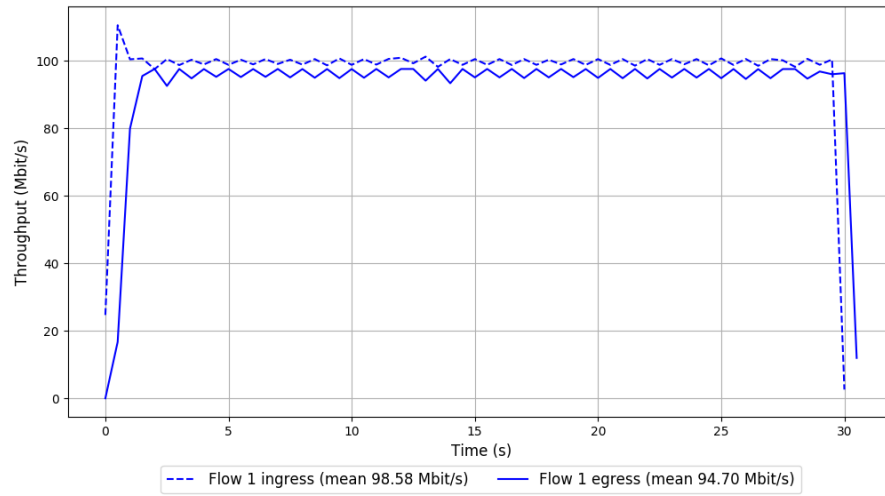


Run 7: Statistics of TCP BBR

Start at: 2018-07-17 11:12:20
End at: 2018-07-17 11:12:50
Local clock offset: -0.012 ms
Remote clock offset: -11.751 ms

Below is generated by plot.py at 2018-07-17 12:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 64.181 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 64.181 ms
Loss rate: 3.89%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-17 11:34:32

End at: 2018-07-17 11:35:02

Local clock offset: -0.063 ms

Remote clock offset: -11.1 ms

Below is generated by plot.py at 2018-07-17 12:38:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 61.904 ms

Loss rate: 3.59%

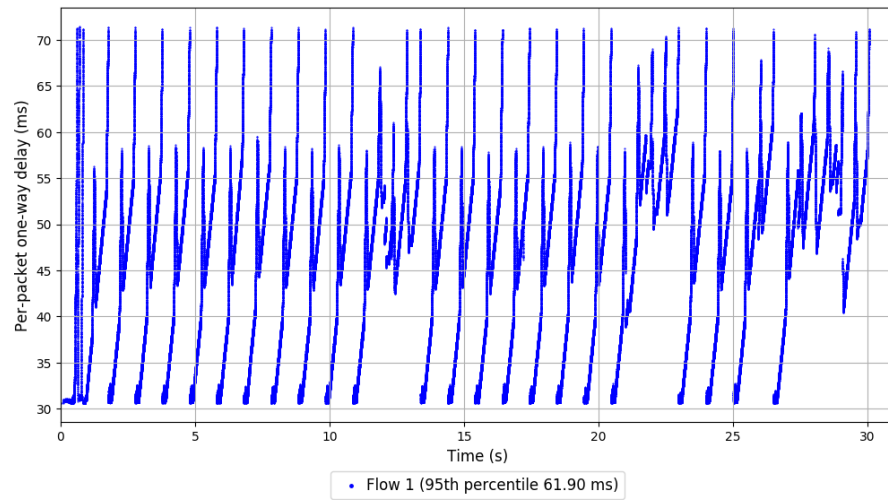
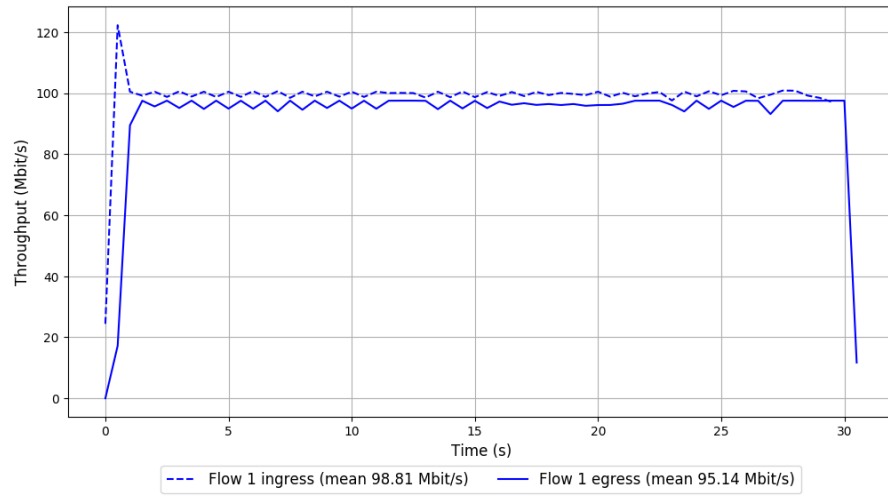
-- Flow 1:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 61.904 ms

Loss rate: 3.59%

Run 8: Report of TCP BBR — Data Link

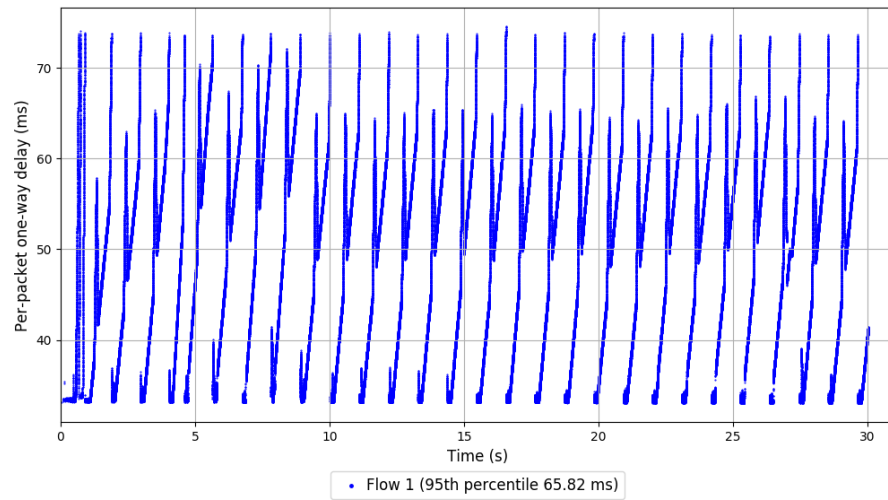
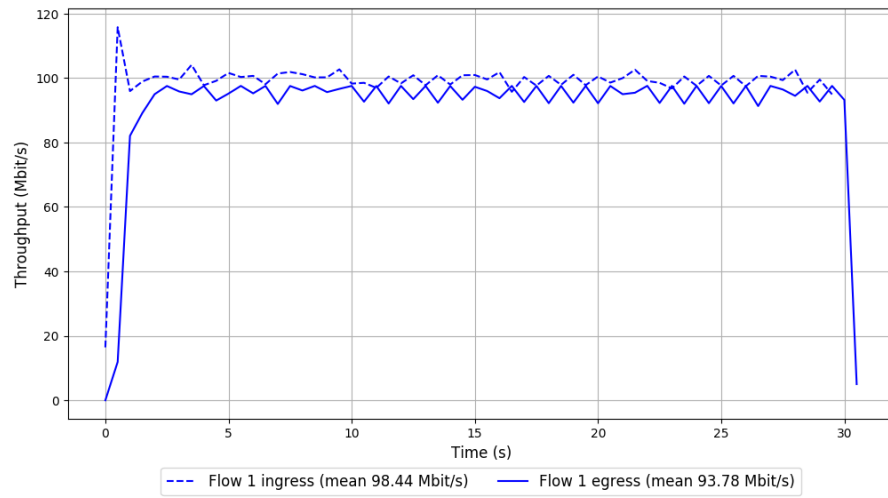


Run 9: Statistics of TCP BBR

Start at: 2018-07-17 11:56:50
End at: 2018-07-17 11:57:20
Local clock offset: 0.035 ms
Remote clock offset: -1.417 ms

Below is generated by plot.py at 2018-07-17 12:39:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 65.816 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 65.816 ms
Loss rate: 4.72%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-17 12:19:09

End at: 2018-07-17 12:19:39

Local clock offset: -0.049 ms

Remote clock offset: 5.303 ms

Below is generated by plot.py at 2018-07-17 12:39:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 68.124 ms

Loss rate: 4.15%

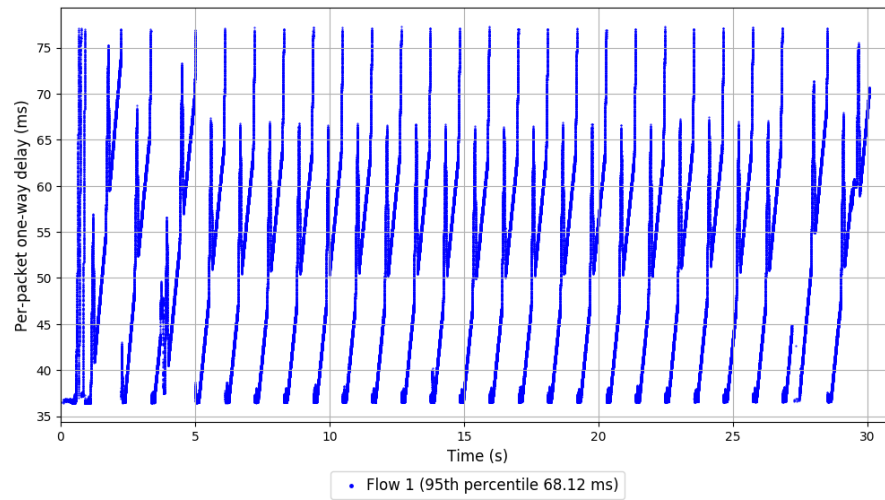
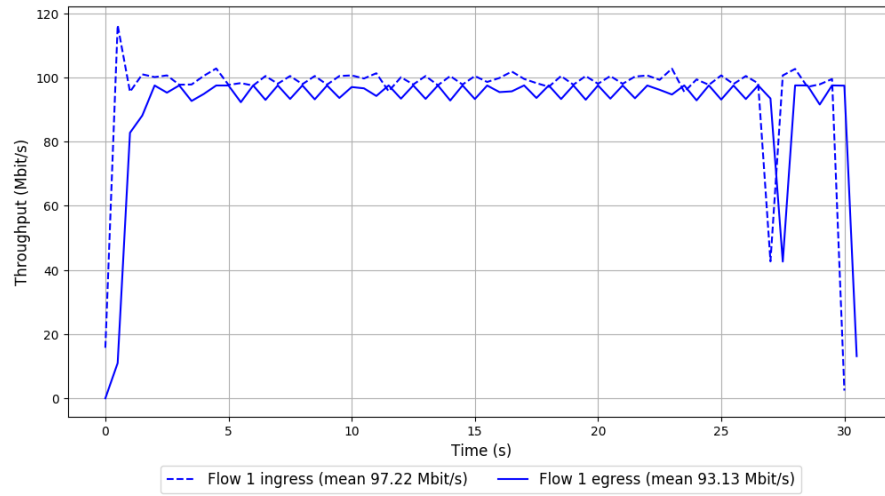
-- Flow 1:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 68.124 ms

Loss rate: 4.15%

Run 10: Report of TCP BBR — Data Link

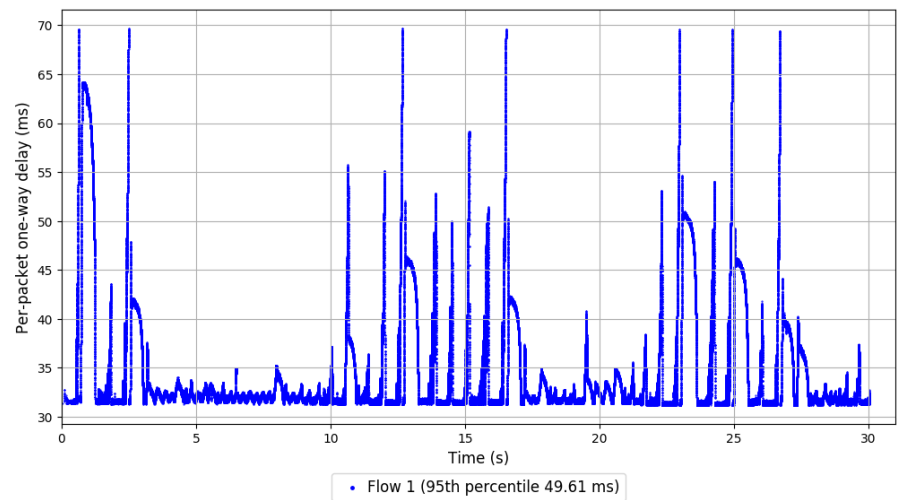
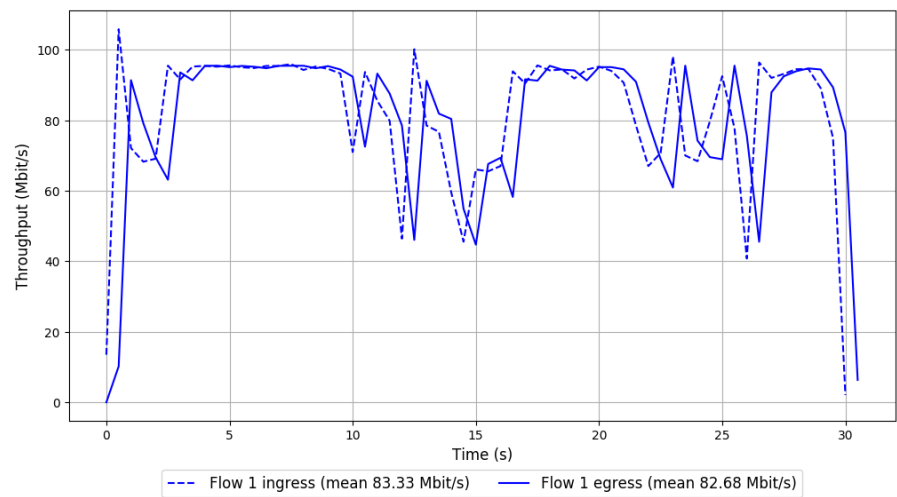


Run 1: Statistics of Copa

Start at: 2018-07-17 09:06:34
End at: 2018-07-17 09:07:04
Local clock offset: -0.054 ms
Remote clock offset: -3.609 ms

Below is generated by plot.py at 2018-07-17 12:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.68 Mbit/s
95th percentile per-packet one-way delay: 49.614 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 82.68 Mbit/s
95th percentile per-packet one-way delay: 49.614 ms
Loss rate: 0.78%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-17 09:28:44

End at: 2018-07-17 09:29:14

Local clock offset: 0.119 ms

Remote clock offset: 2.733 ms

Below is generated by plot.py at 2018-07-17 12:40:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 45.995 ms

Loss rate: 0.48%

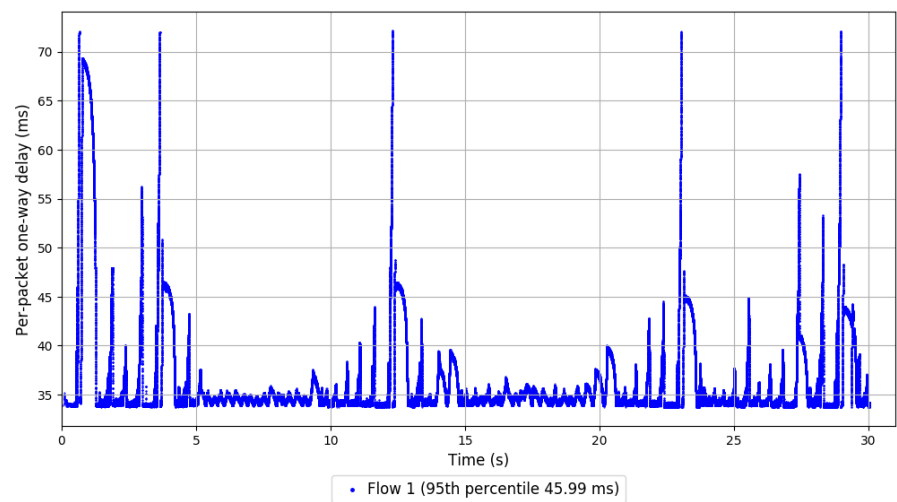
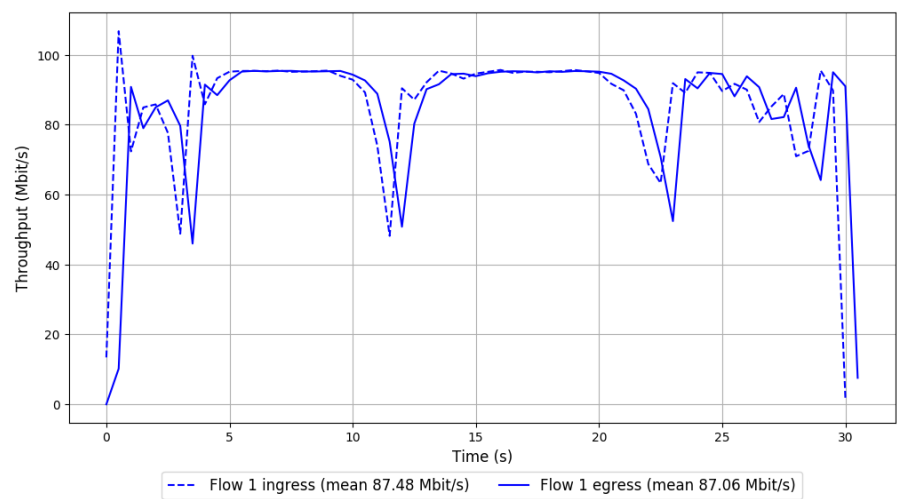
-- Flow 1:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 45.995 ms

Loss rate: 0.48%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-17 09:51:00

End at: 2018-07-17 09:51:30

Local clock offset: 0.103 ms

Remote clock offset: 3.179 ms

Below is generated by plot.py at 2018-07-17 12:40:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 39.013 ms

Loss rate: 0.35%

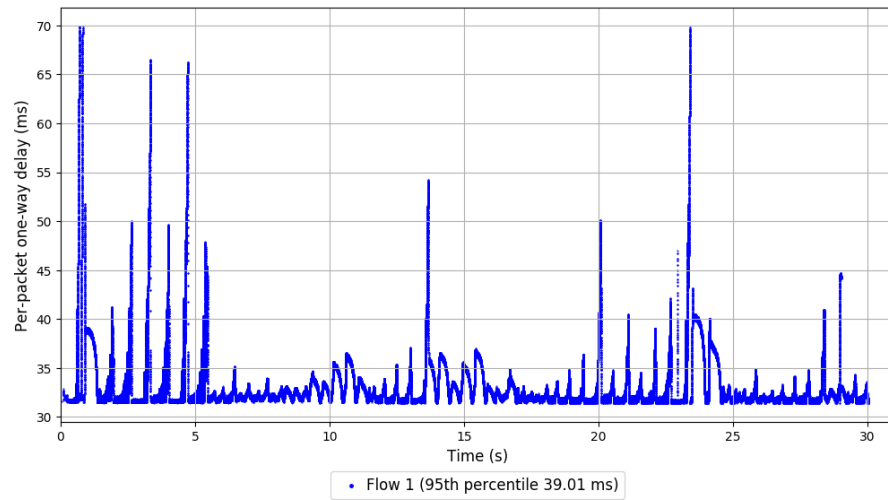
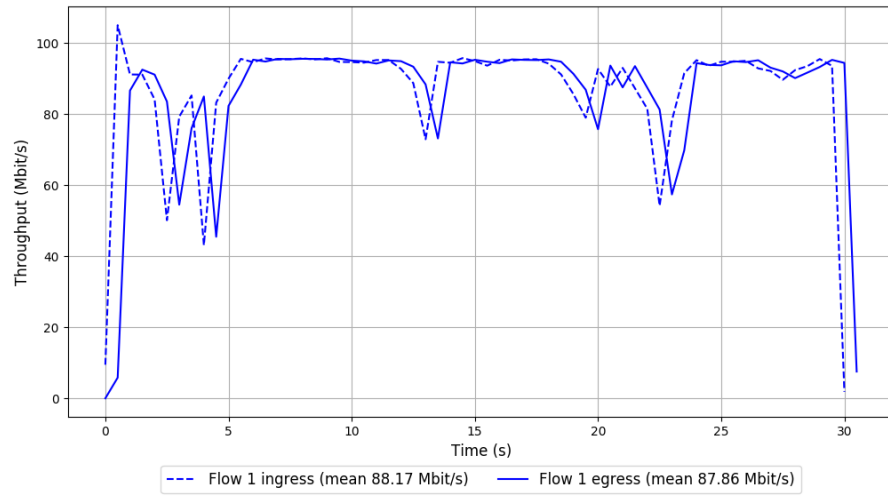
-- Flow 1:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 39.013 ms

Loss rate: 0.35%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-17 10:13:19

End at: 2018-07-17 10:13:49

Local clock offset: 0.117 ms

Remote clock offset: -2.47 ms

Below is generated by plot.py at 2018-07-17 12:40:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.84 Mbit/s

95th percentile per-packet one-way delay: 47.318 ms

Loss rate: 1.09%

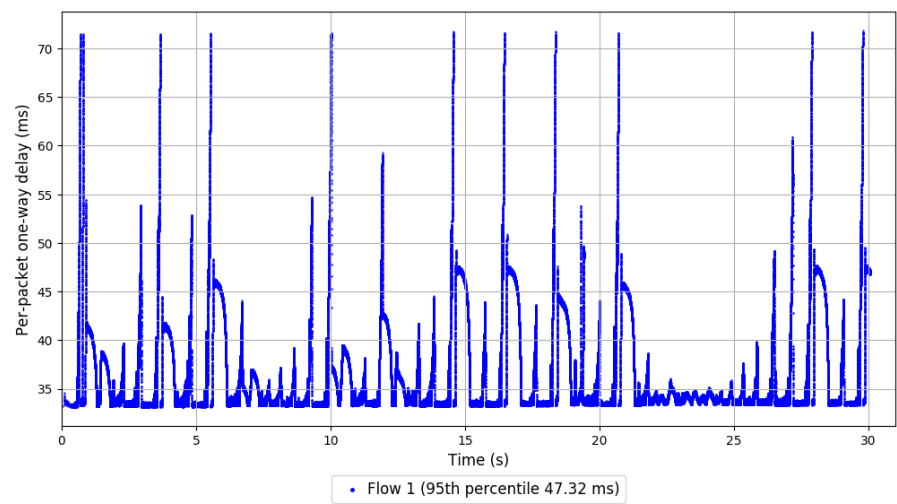
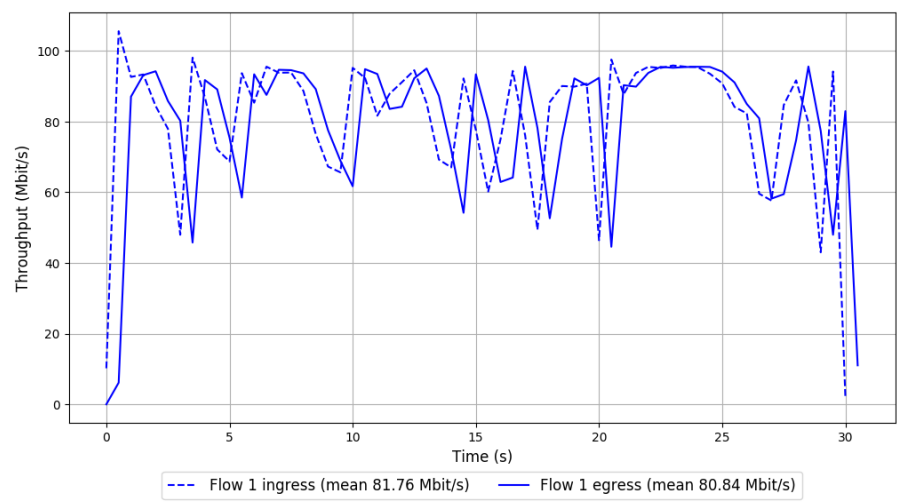
-- Flow 1:

Average throughput: 80.84 Mbit/s

95th percentile per-packet one-way delay: 47.318 ms

Loss rate: 1.09%

Run 4: Report of Copa — Data Link

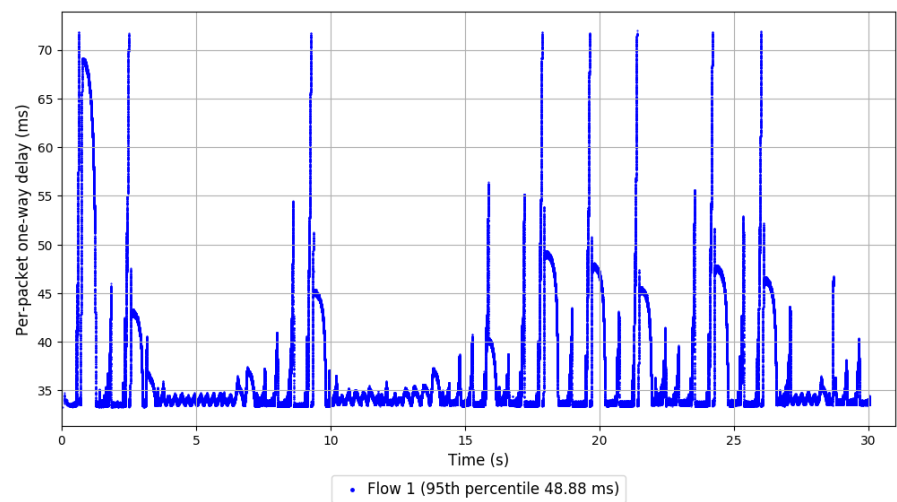
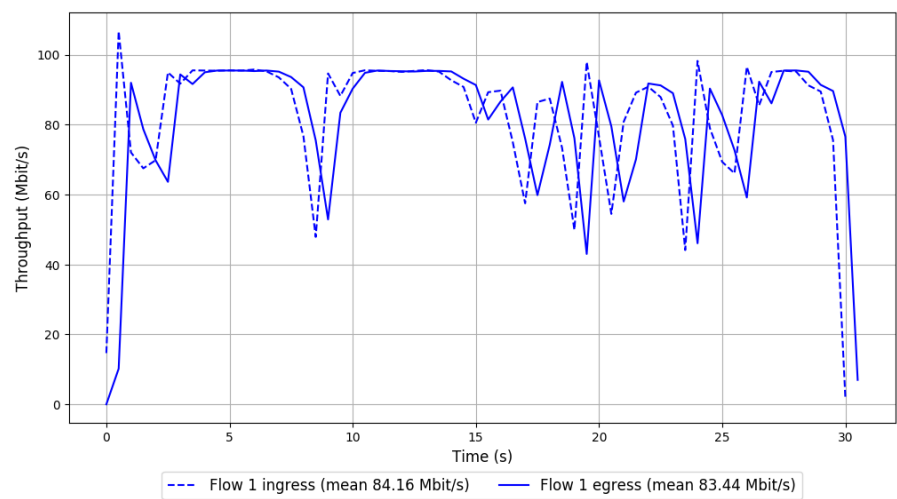


Run 5: Statistics of Copa

Start at: 2018-07-17 10:35:40
End at: 2018-07-17 10:36:10
Local clock offset: -0.01 ms
Remote clock offset: -8.459 ms

Below is generated by plot.py at 2018-07-17 12:40:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.44 Mbit/s
95th percentile per-packet one-way delay: 48.881 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 83.44 Mbit/s
95th percentile per-packet one-way delay: 48.881 ms
Loss rate: 0.85%

Run 5: Report of Copa — Data Link

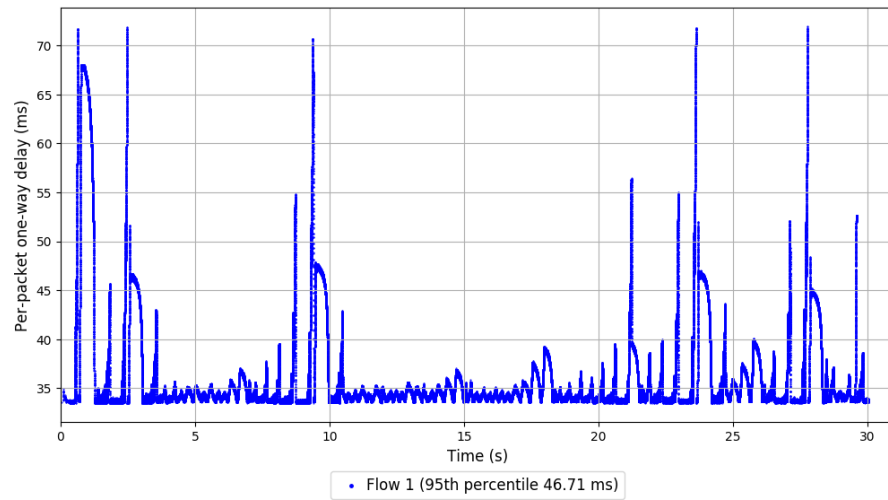
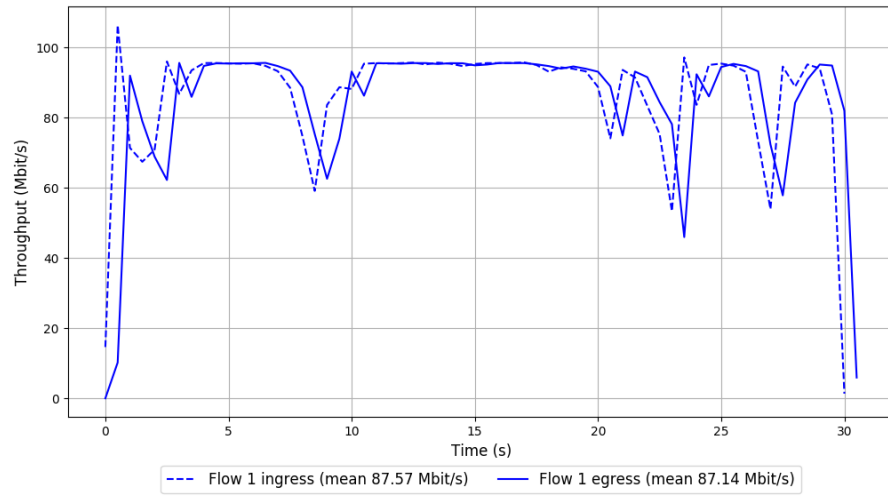


Run 6: Statistics of Copa

Start at: 2018-07-17 10:57:57
End at: 2018-07-17 10:58:27
Local clock offset: -0.089 ms
Remote clock offset: -10.786 ms

Below is generated by plot.py at 2018-07-17 12:40:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 46.709 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 46.709 ms
Loss rate: 0.49%

Run 6: Report of Copa — Data Link

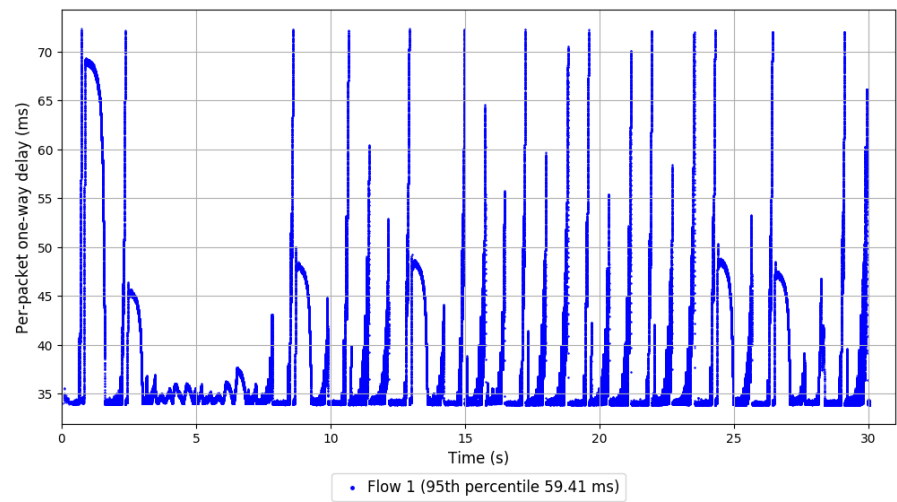
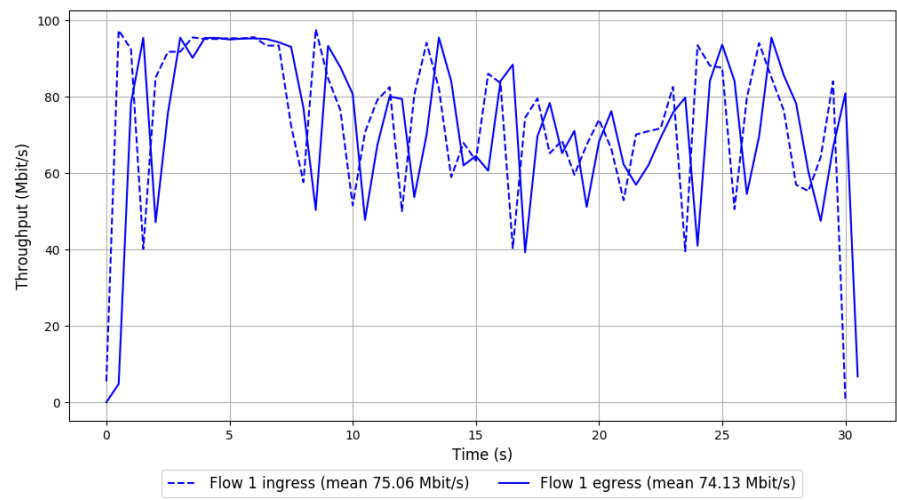


Run 7: Statistics of Copa

Start at: 2018-07-17 11:20:12
End at: 2018-07-17 11:20:42
Local clock offset: -0.015 ms
Remote clock offset: -9.505 ms

Below is generated by plot.py at 2018-07-17 12:41:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 59.415 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 59.415 ms
Loss rate: 1.23%

Run 7: Report of Copa — Data Link

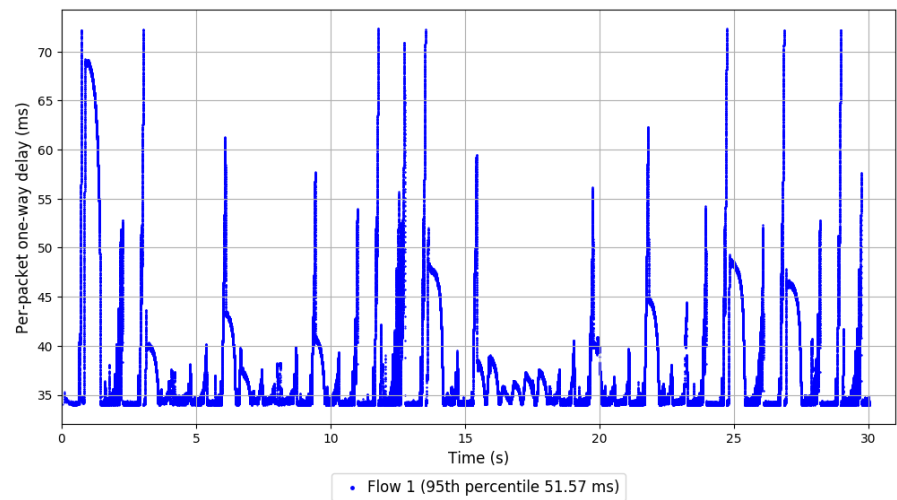
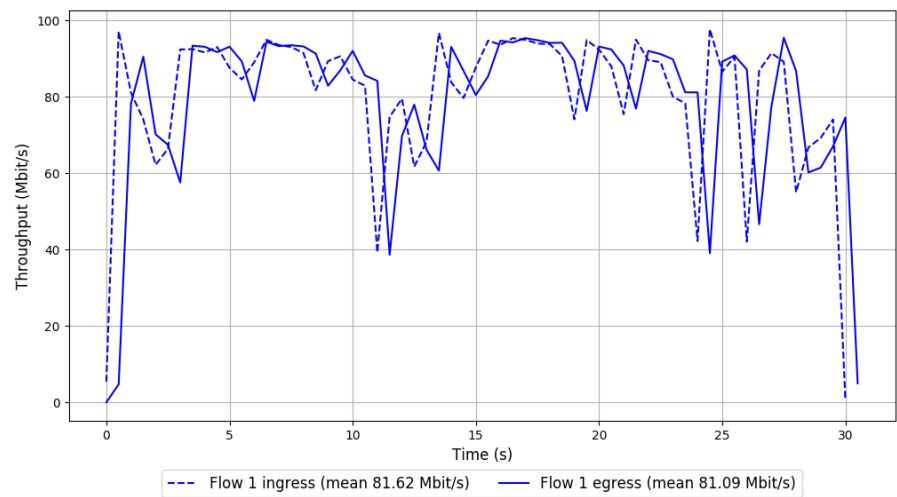


Run 8: Statistics of Copa

Start at: 2018-07-17 11:42:24
End at: 2018-07-17 11:42:54
Local clock offset: 0.007 ms
Remote clock offset: -8.112 ms

Below is generated by plot.py at 2018-07-17 12:41:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 0.66%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-17 12:04:44

End at: 2018-07-17 12:05:14

Local clock offset: -0.033 ms

Remote clock offset: 0.607 ms

Below is generated by plot.py at 2018-07-17 12:41:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 49.869 ms

Loss rate: 1.35%

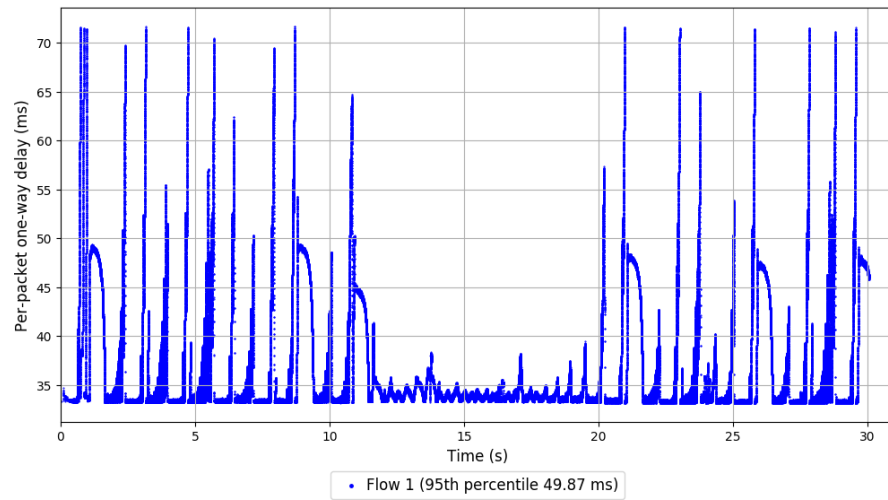
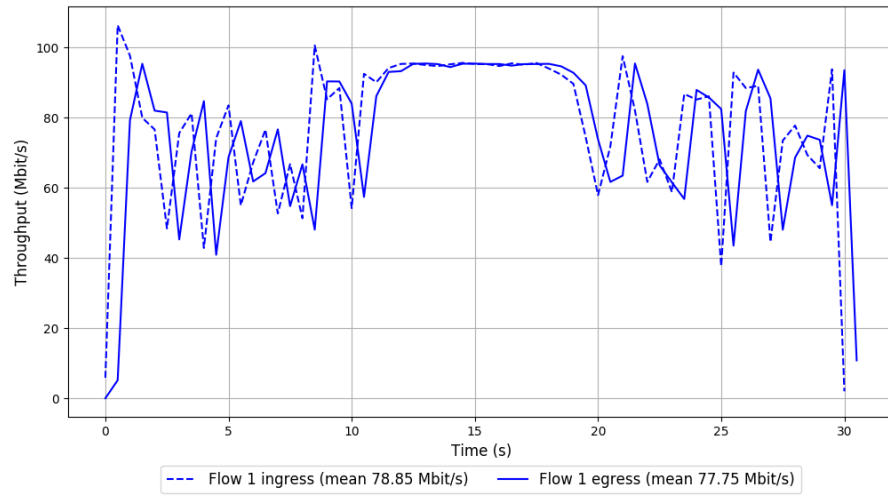
-- Flow 1:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 49.869 ms

Loss rate: 1.35%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-17 12:27:02

End at: 2018-07-17 12:27:32

Local clock offset: 0.018 ms

Remote clock offset: 1.576 ms

Below is generated by plot.py at 2018-07-17 12:41:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.88 Mbit/s

95th percentile per-packet one-way delay: 55.272 ms

Loss rate: 1.07%

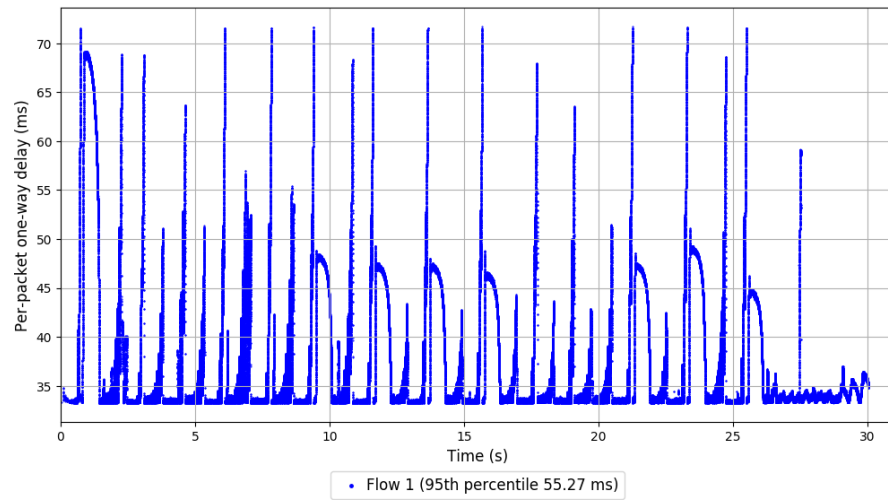
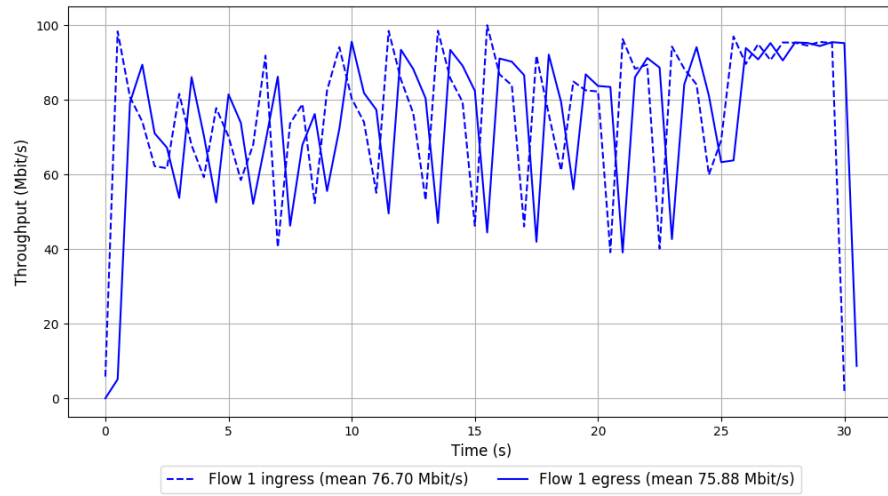
-- Flow 1:

Average throughput: 75.88 Mbit/s

95th percentile per-packet one-way delay: 55.272 ms

Loss rate: 1.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 09:13:06

End at: 2018-07-17 09:13:36

Local clock offset: -0.104 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-07-17 12:41:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 70.447 ms

Loss rate: 0.42%

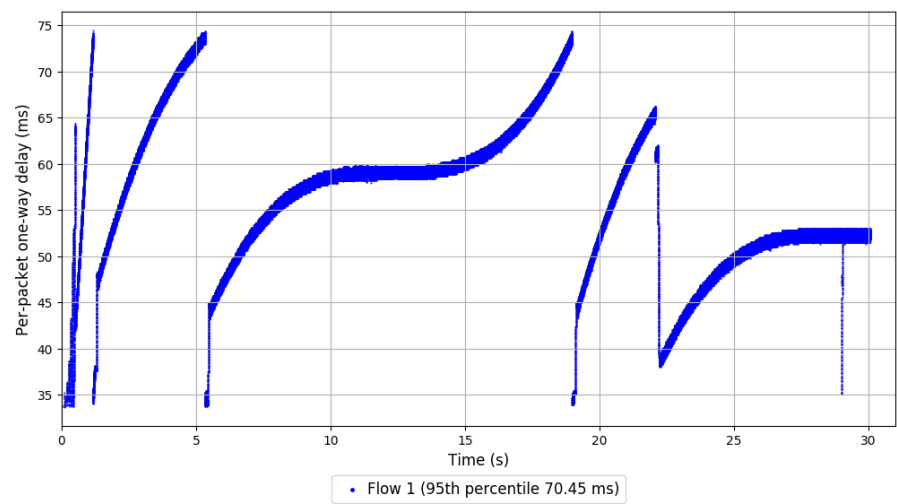
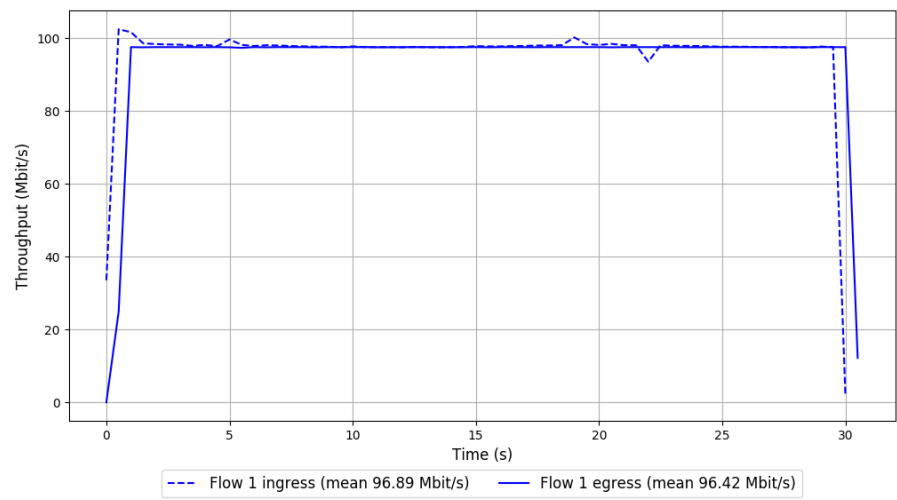
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 70.447 ms

Loss rate: 0.42%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-17 09:35:20

End at: 2018-07-17 09:35:50

Local clock offset: 0.158 ms

Remote clock offset: 0.933 ms

Below is generated by plot.py at 2018-07-17 12:41:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 66.333 ms

Loss rate: 0.31%

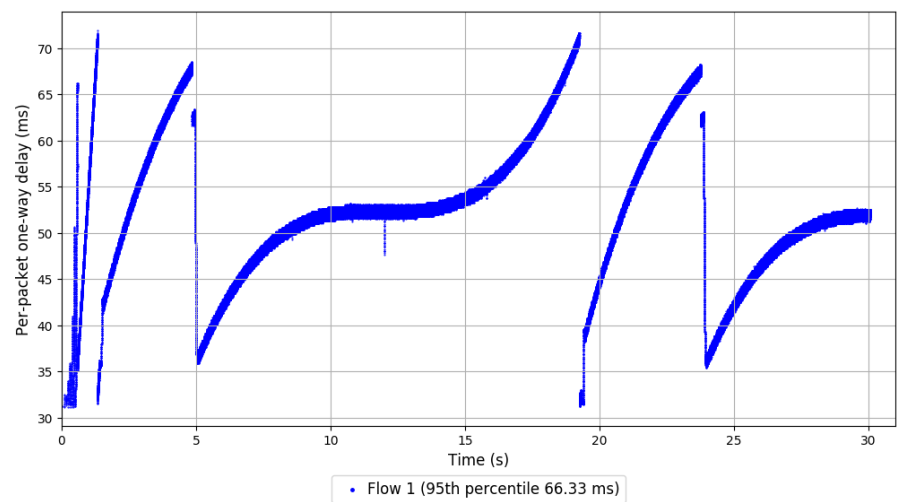
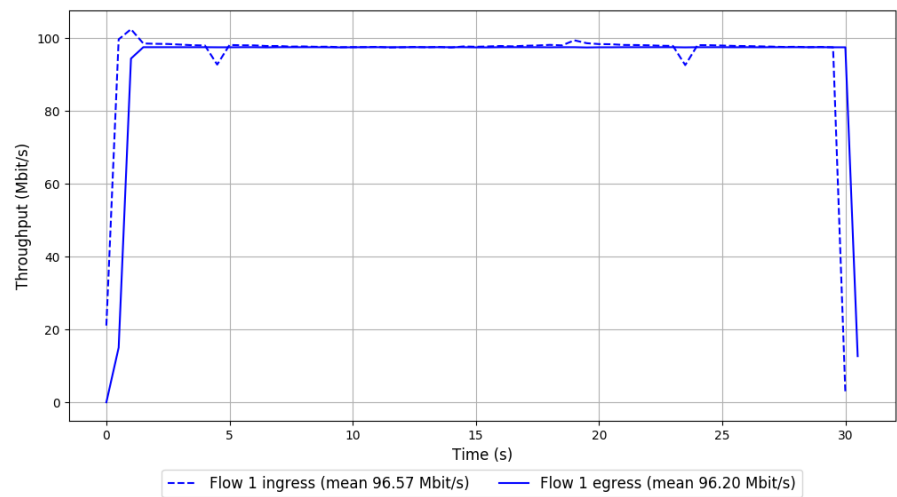
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 66.333 ms

Loss rate: 0.31%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 09:57:37

End at: 2018-07-17 09:58:07

Local clock offset: 0.171 ms

Remote clock offset: 4.038 ms

Below is generated by plot.py at 2018-07-17 12:41:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 68.531 ms

Loss rate: 0.53%

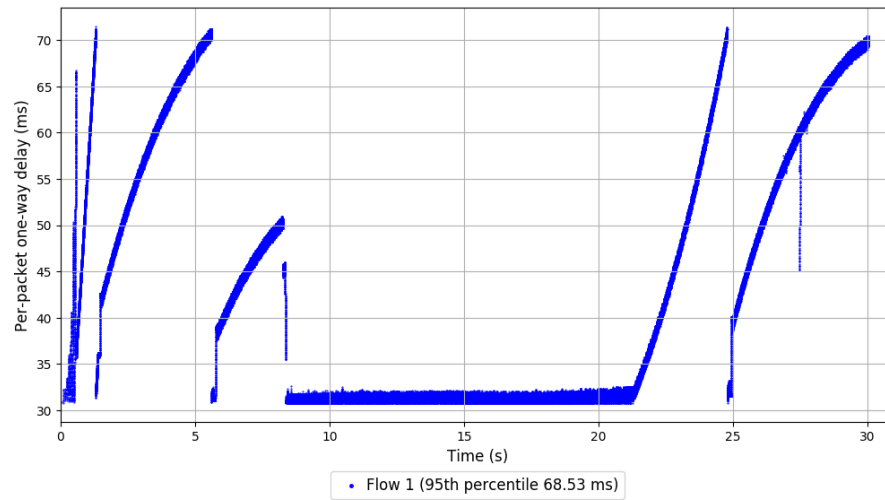
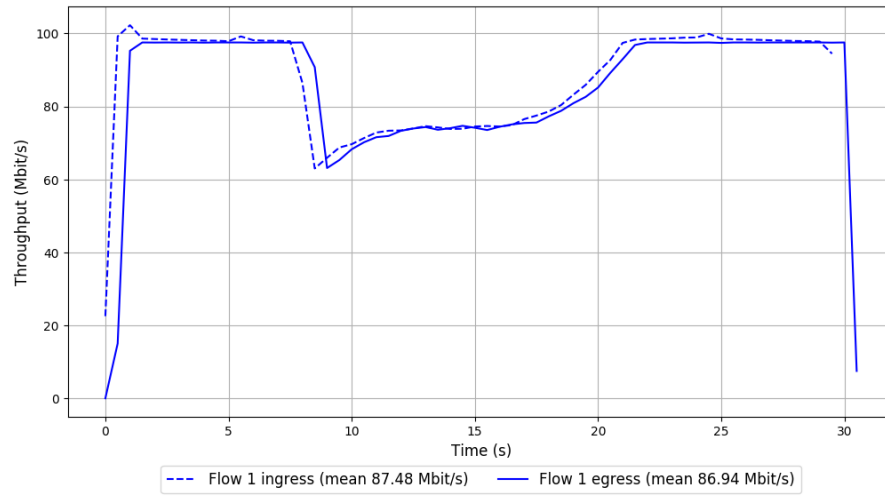
-- Flow 1:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 68.531 ms

Loss rate: 0.53%

Run 3: Report of TCP Cubic — Data Link

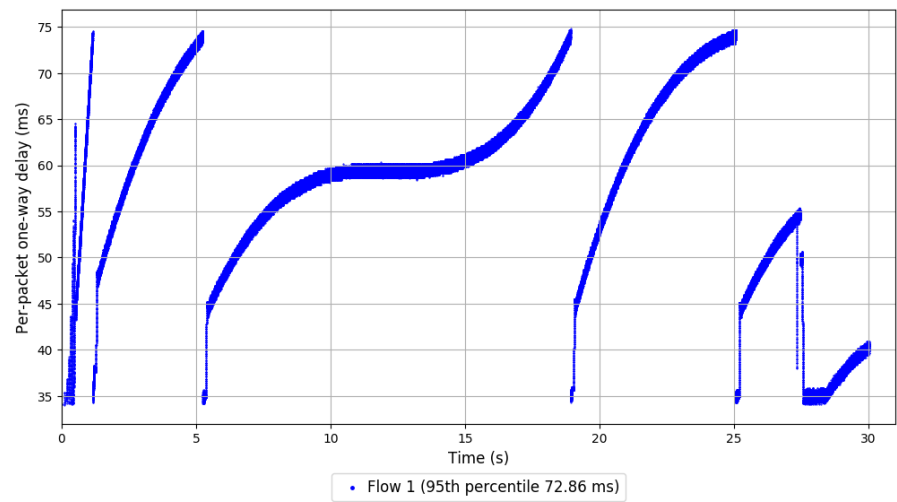
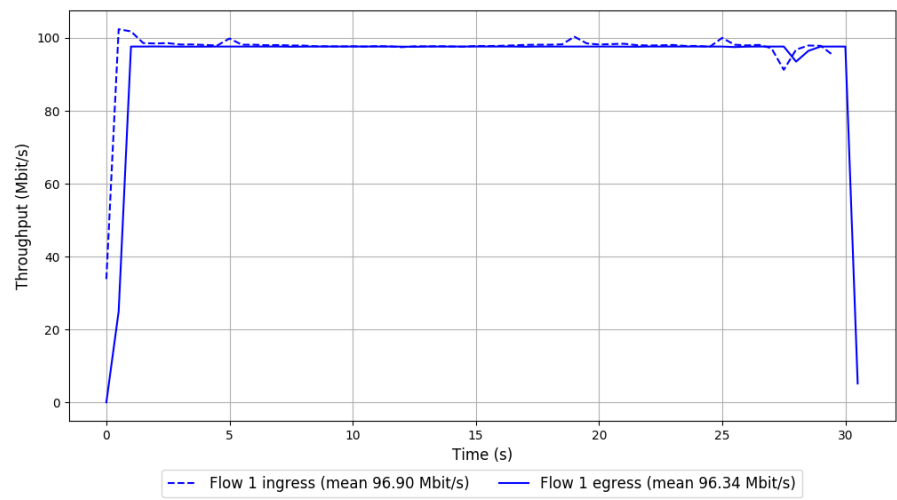


Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 10:19:57
End at: 2018-07-17 10:20:27
Local clock offset: 0.082 ms
Remote clock offset: -4.712 ms

Below is generated by plot.py at 2018-07-17 12:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 72.860 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 72.860 ms
Loss rate: 0.55%

Run 4: Report of TCP Cubic — Data Link

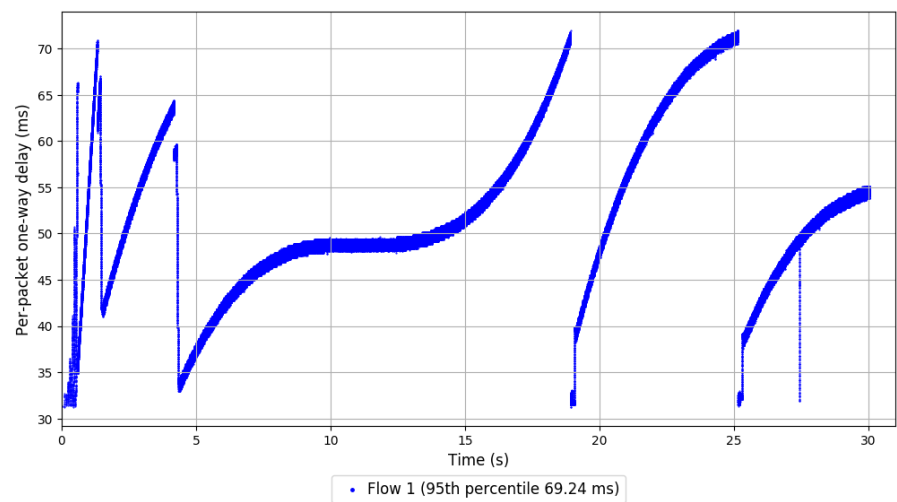
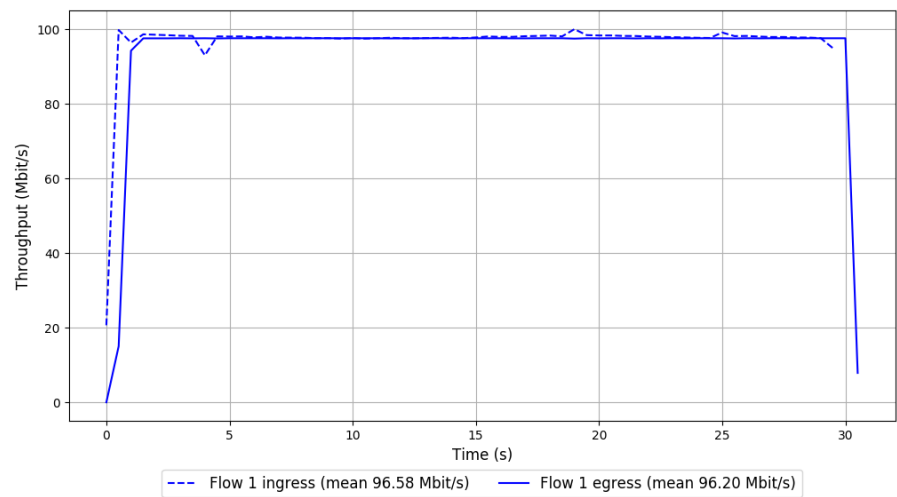


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 10:42:16
End at: 2018-07-17 10:42:46
Local clock offset: -0.04 ms
Remote clock offset: -11.624 ms

Below is generated by plot.py at 2018-07-17 12:42:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 69.239 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 69.239 ms
Loss rate: 0.32%

Run 5: Report of TCP Cubic — Data Link

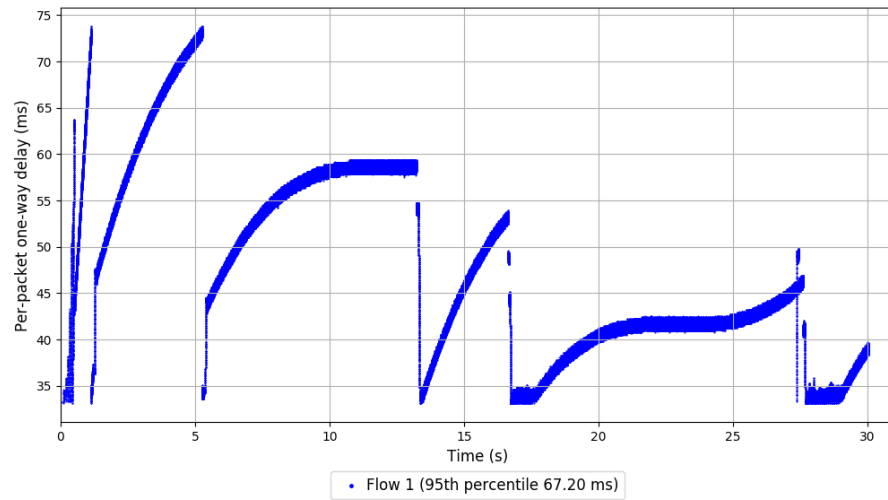
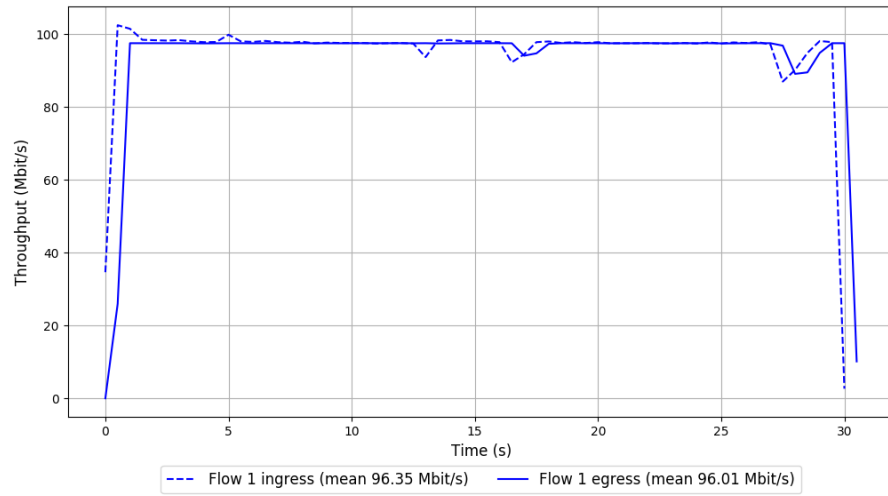


Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 11:04:33
End at: 2018-07-17 11:05:03
Local clock offset: 0.001 ms
Remote clock offset: -11.869 ms

Below is generated by plot.py at 2018-07-17 12:42:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 67.205 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 67.205 ms
Loss rate: 0.34%

Run 6: Report of TCP Cubic — Data Link

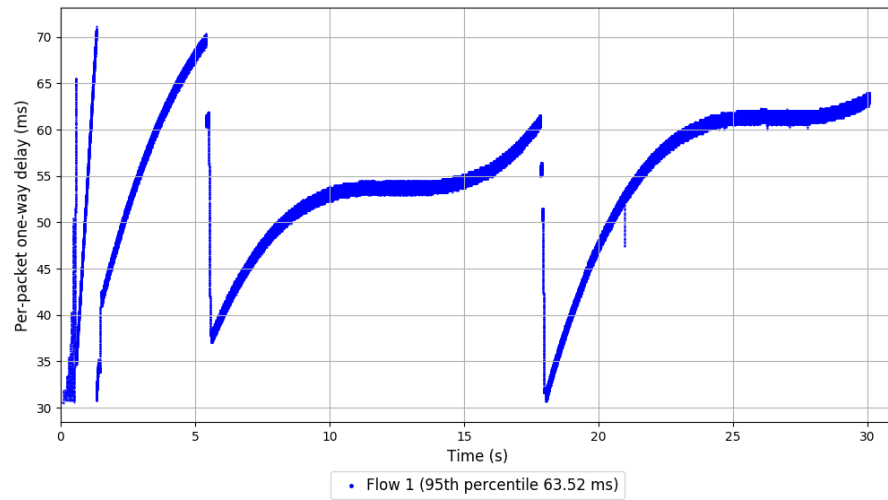
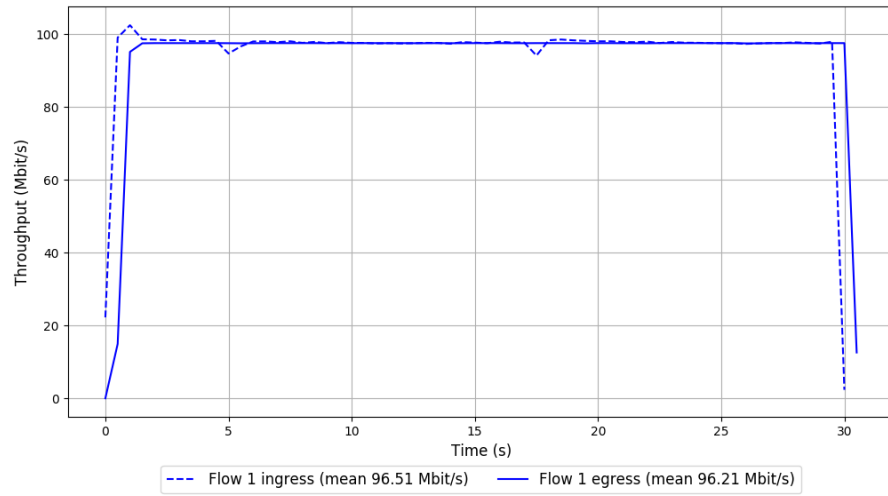


Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 11:26:46
End at: 2018-07-17 11:27:16
Local clock offset: 0.015 ms
Remote clock offset: -11.477 ms

Below is generated by plot.py at 2018-07-17 12:42:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 63.523 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 63.523 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

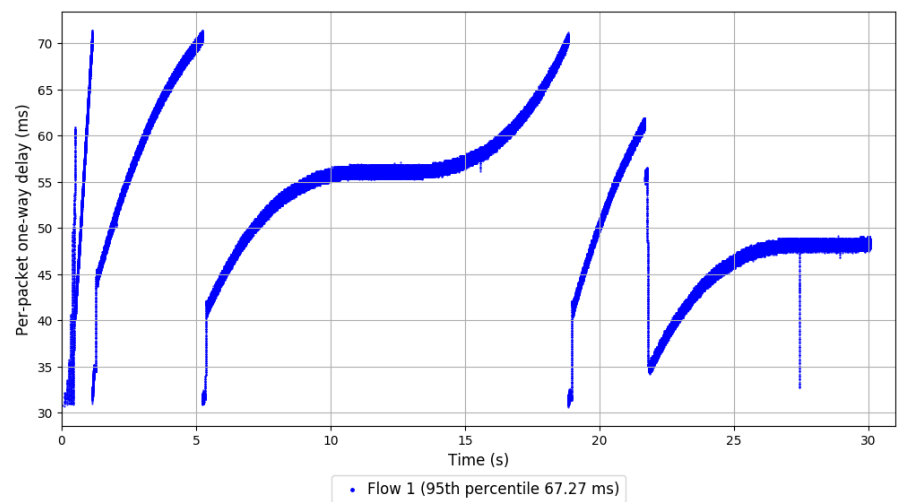
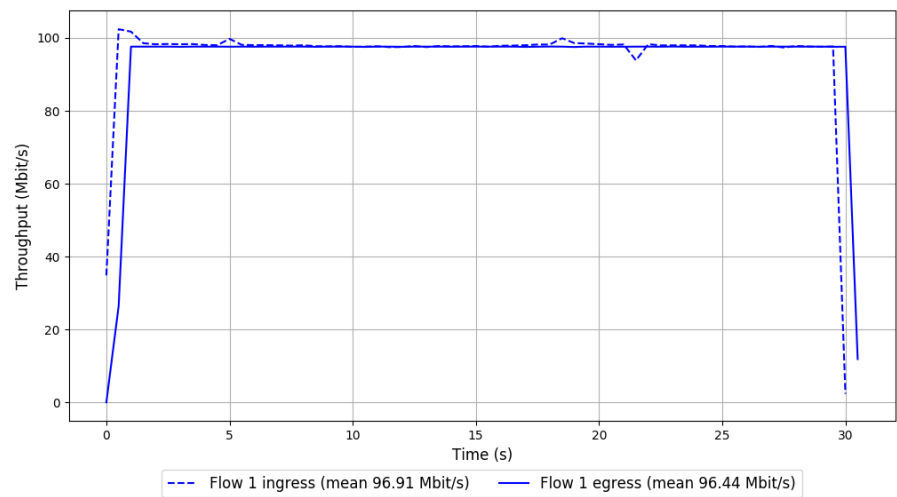


Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 11:49:00
End at: 2018-07-17 11:49:31
Local clock offset: 0.02 ms
Remote clock offset: -7.466 ms

Below is generated by plot.py at 2018-07-17 12:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 67.270 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 67.270 ms
Loss rate: 0.42%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 12:11:21

End at: 2018-07-17 12:11:51

Local clock offset: -0.05 ms

Remote clock offset: 1.795 ms

Below is generated by plot.py at 2018-07-17 12:42:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 69.957 ms

Loss rate: 0.44%

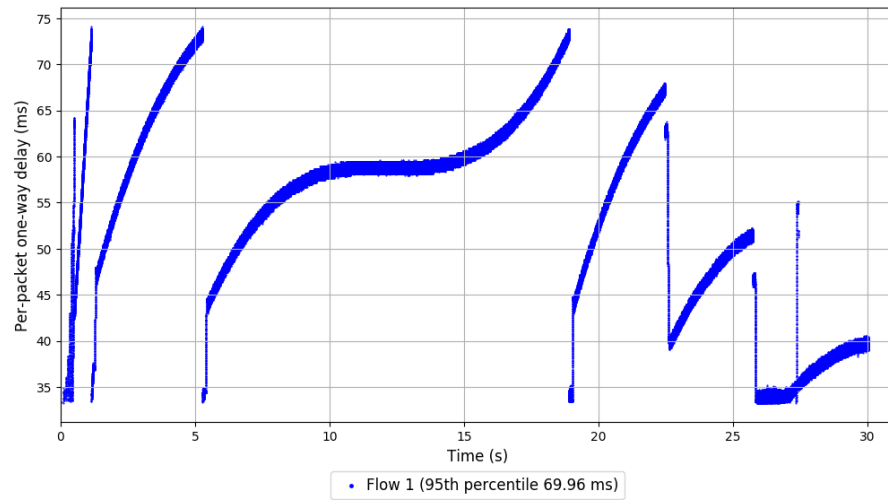
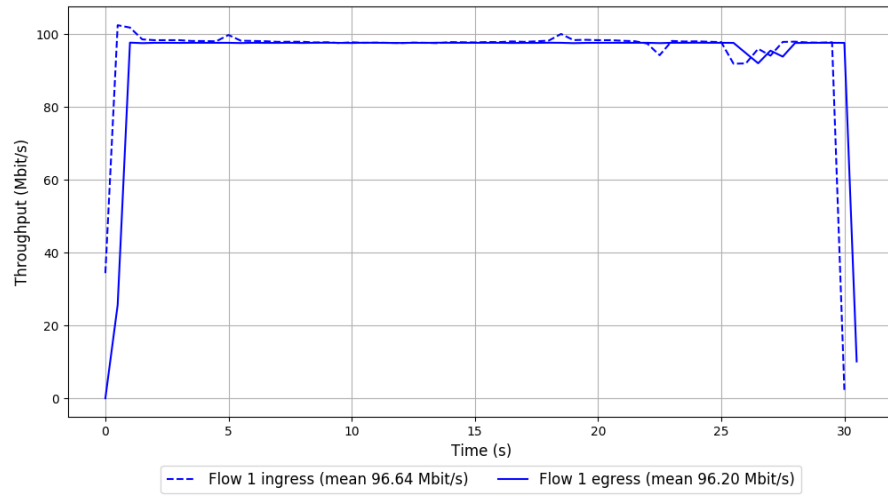
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 69.957 ms

Loss rate: 0.44%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 12:33:38

End at: 2018-07-17 12:34:08

Local clock offset: 0.187 ms

Remote clock offset: -1.21 ms

Below is generated by plot.py at 2018-07-17 12:42:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 68.803 ms

Loss rate: 0.43%

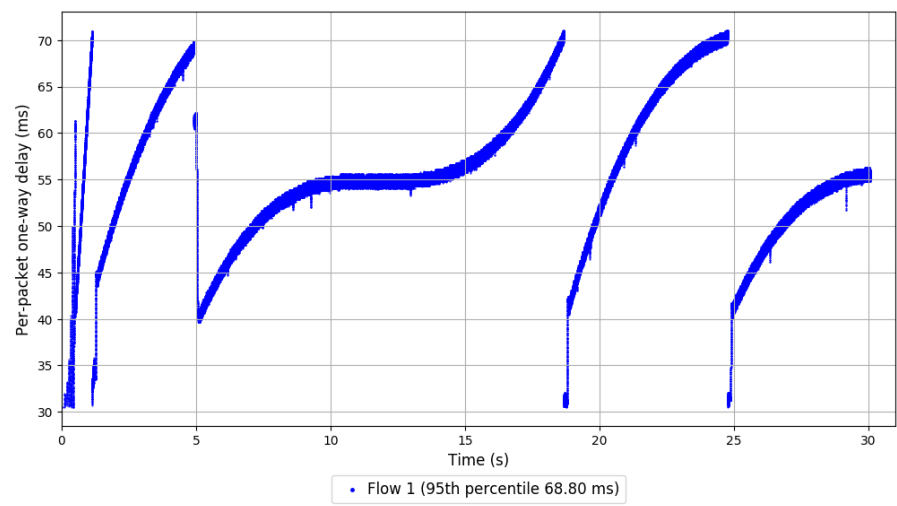
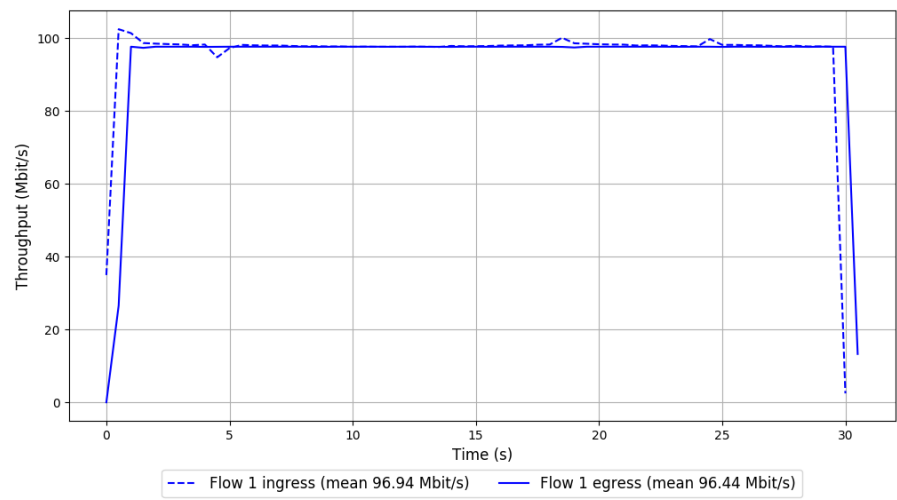
-- Flow 1:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 68.803 ms

Loss rate: 0.43%

Run 10: Report of TCP Cubic — Data Link

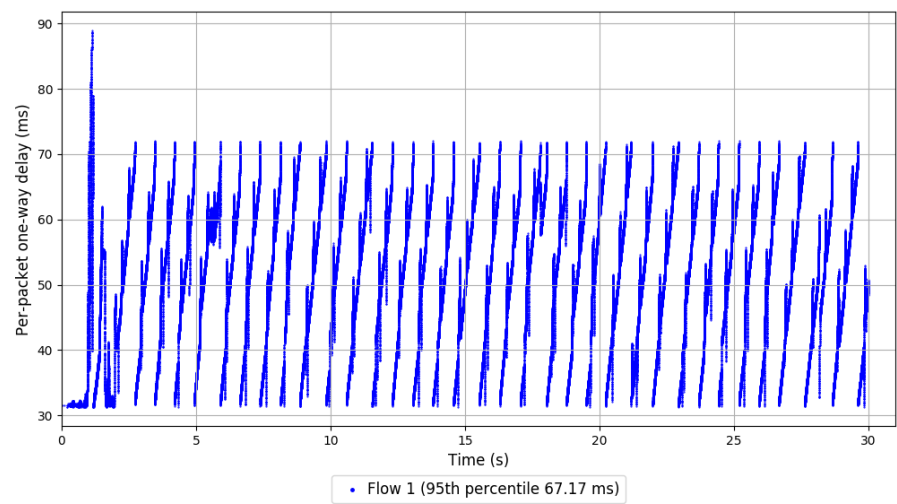
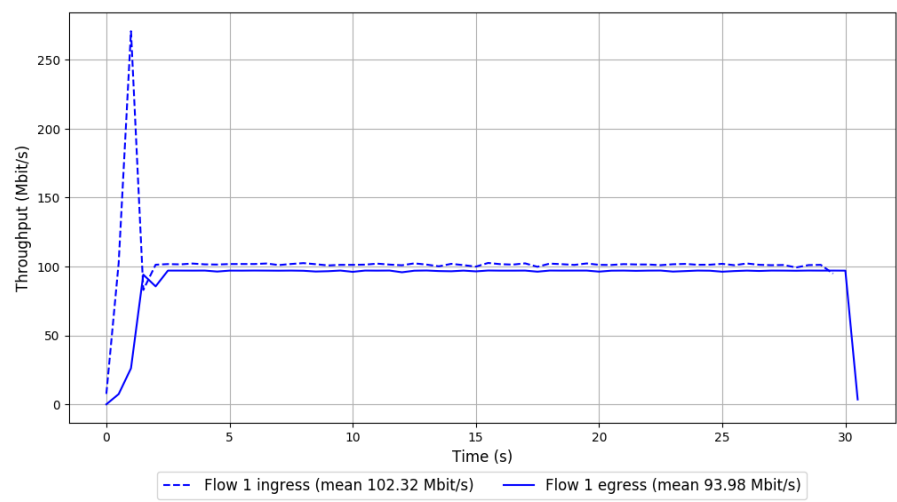


Run 1: Statistics of FillP

Start at: 2018-07-17 09:07:55
End at: 2018-07-17 09:08:25
Local clock offset: -0.065 ms
Remote clock offset: -3.044 ms

Below is generated by plot.py at 2018-07-17 12:43:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 67.168 ms
Loss rate: 8.09%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 67.168 ms
Loss rate: 8.09%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-17 09:30:06

End at: 2018-07-17 09:30:36

Local clock offset: 0.14 ms

Remote clock offset: 0.666 ms

Below is generated by plot.py at 2018-07-17 12:43:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 67.481 ms

Loss rate: 8.06%

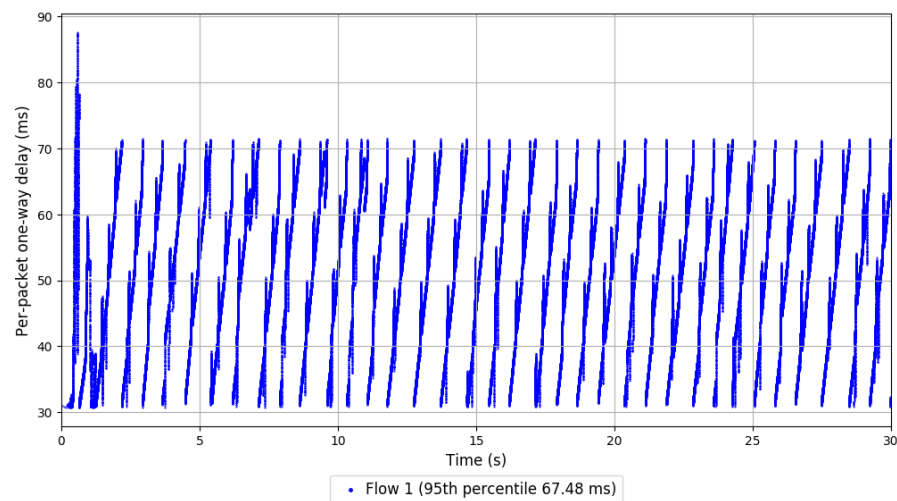
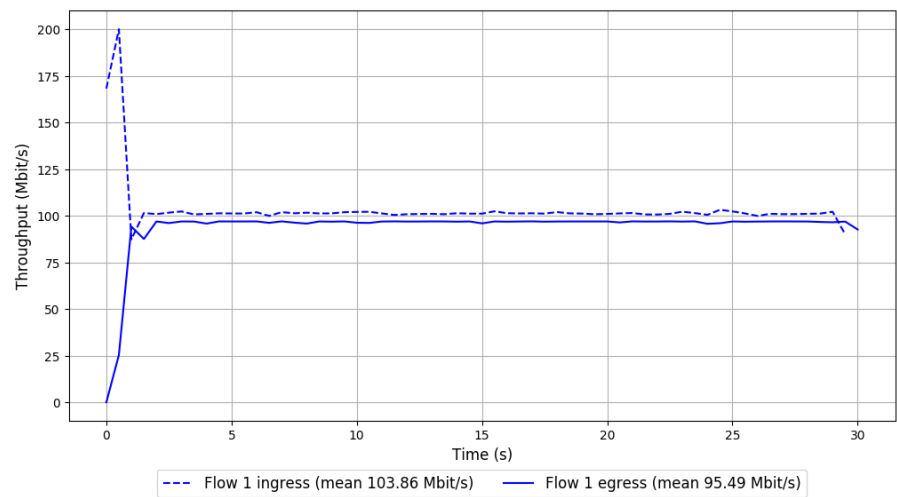
-- Flow 1:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 67.481 ms

Loss rate: 8.06%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-17 09:52:22

End at: 2018-07-17 09:52:52

Local clock offset: 0.094 ms

Remote clock offset: 5.873 ms

Below is generated by plot.py at 2018-07-17 12:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 69.670 ms

Loss rate: 8.30%

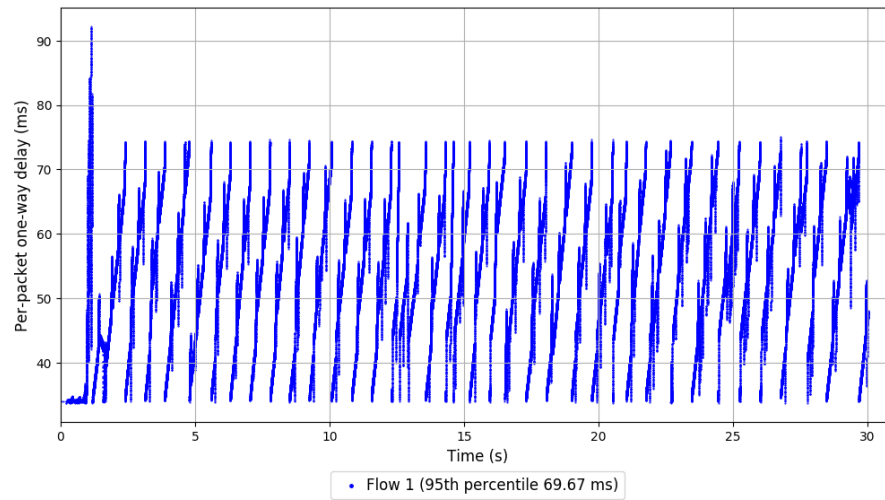
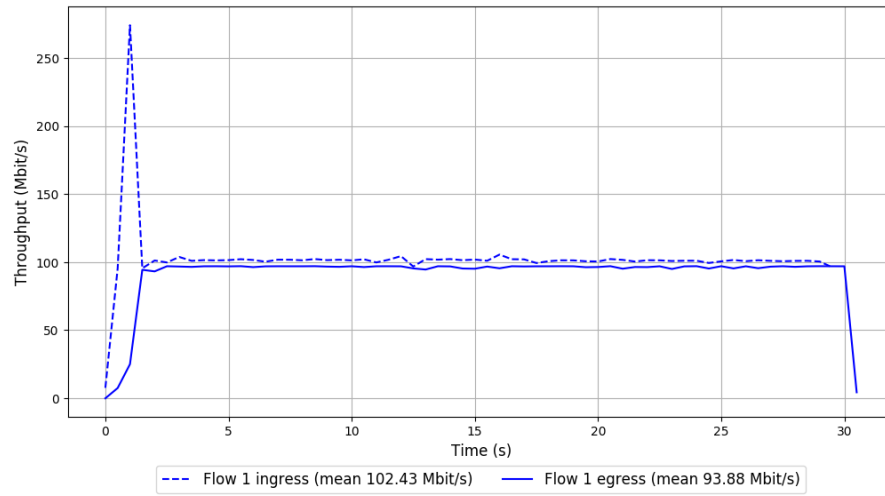
-- Flow 1:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 69.670 ms

Loss rate: 8.30%

Run 3: Report of FillP — Data Link

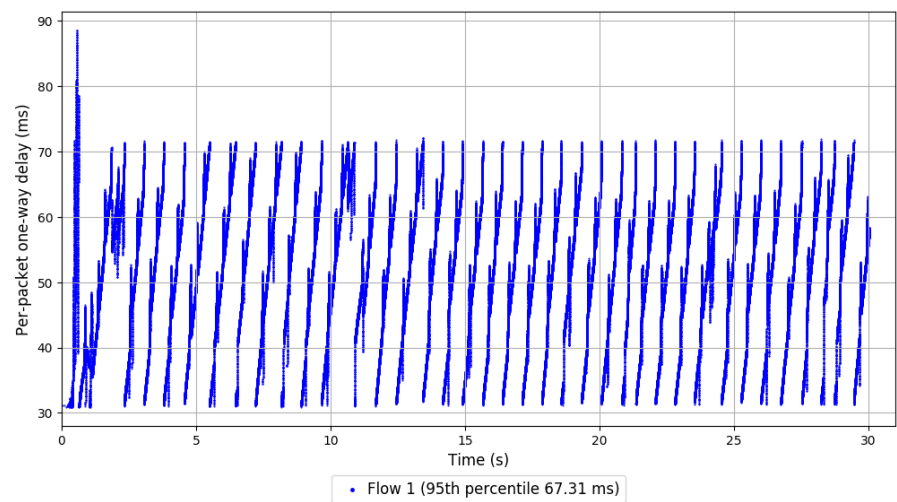
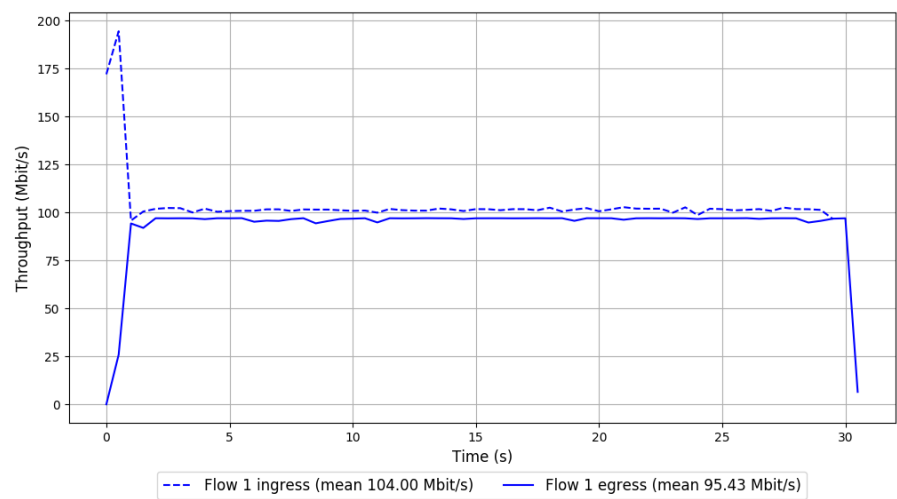


Run 4: Statistics of FillP

Start at: 2018-07-17 10:14:40
End at: 2018-07-17 10:15:10
Local clock offset: 0.025 ms
Remote clock offset: -5.239 ms

Below is generated by plot.py at 2018-07-17 12:44:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 67.308 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 67.308 ms
Loss rate: 8.16%

Run 4: Report of FillP — Data Link

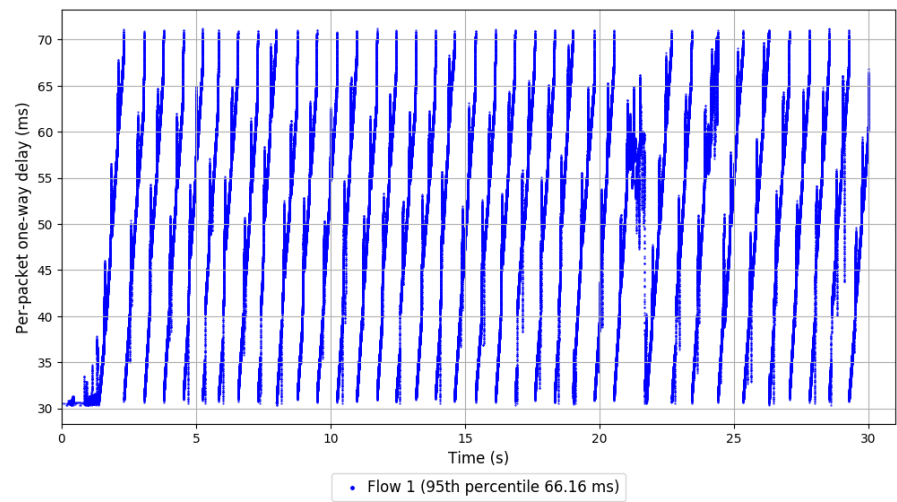
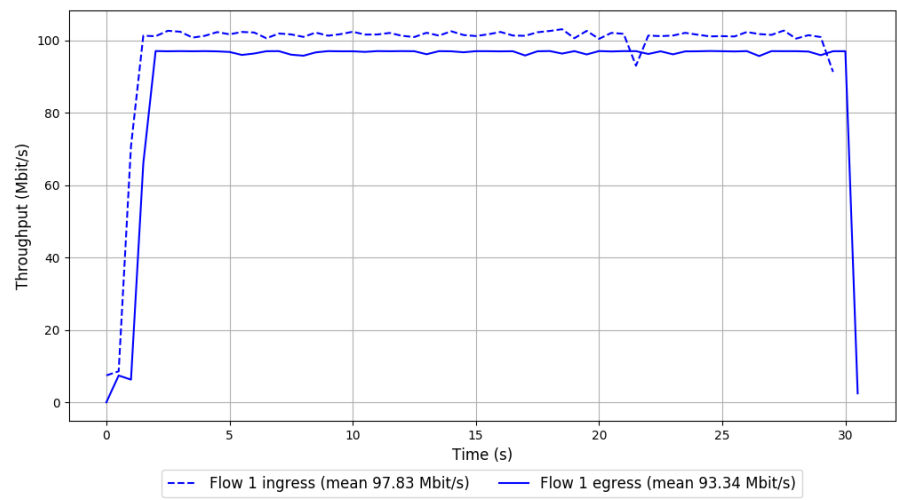


Run 5: Statistics of FillP

Start at: 2018-07-17 10:37:01
End at: 2018-07-17 10:37:31
Local clock offset: -0.022 ms
Remote clock offset: -11.472 ms

Below is generated by plot.py at 2018-07-17 12:44:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 66.161 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 66.161 ms
Loss rate: 4.48%

Run 5: Report of FillP — Data Link

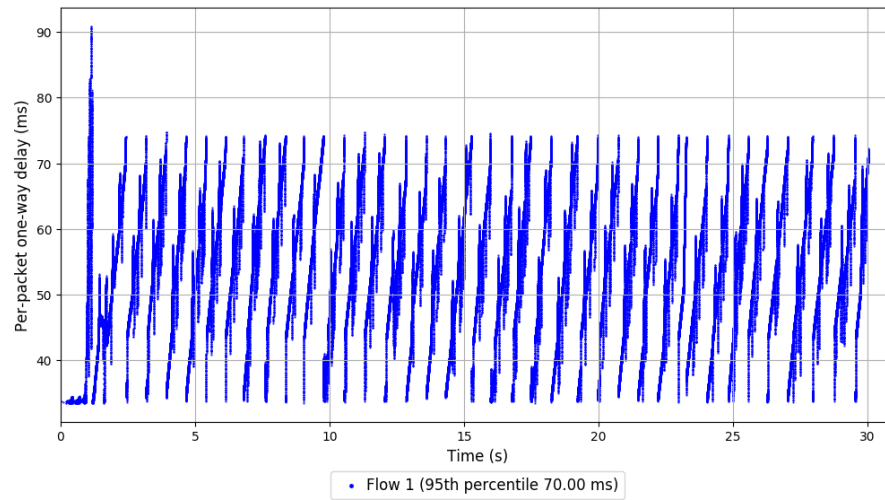
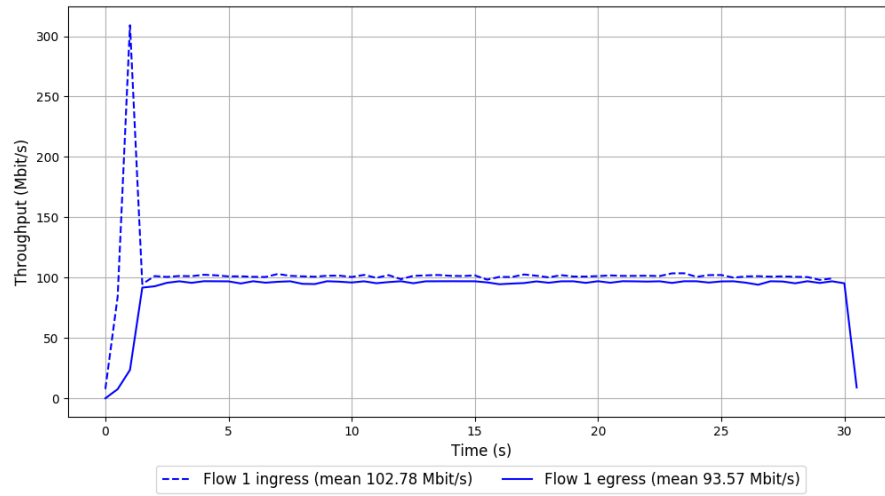


Run 6: Statistics of FillP

Start at: 2018-07-17 10:59:18
End at: 2018-07-17 10:59:48
Local clock offset: -0.013 ms
Remote clock offset: -11.257 ms

Below is generated by plot.py at 2018-07-17 12:44:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 69.999 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 69.999 ms
Loss rate: 8.85%

Run 6: Report of FillP — Data Link

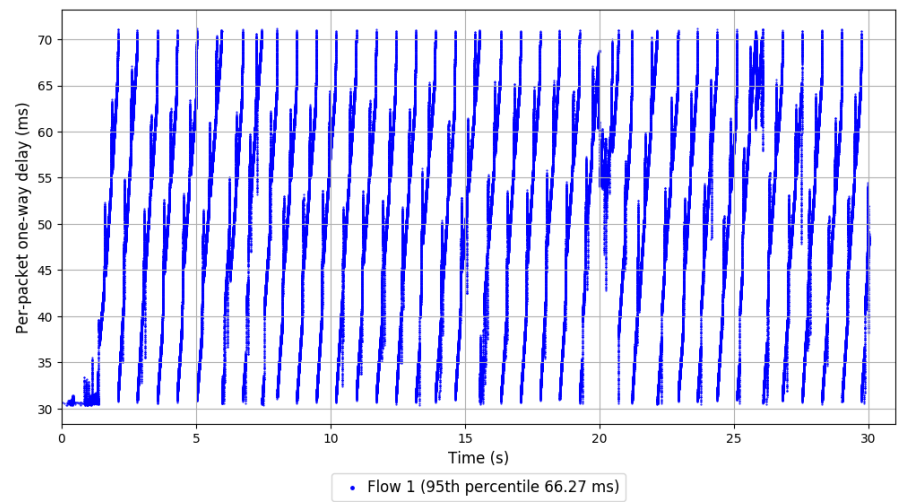
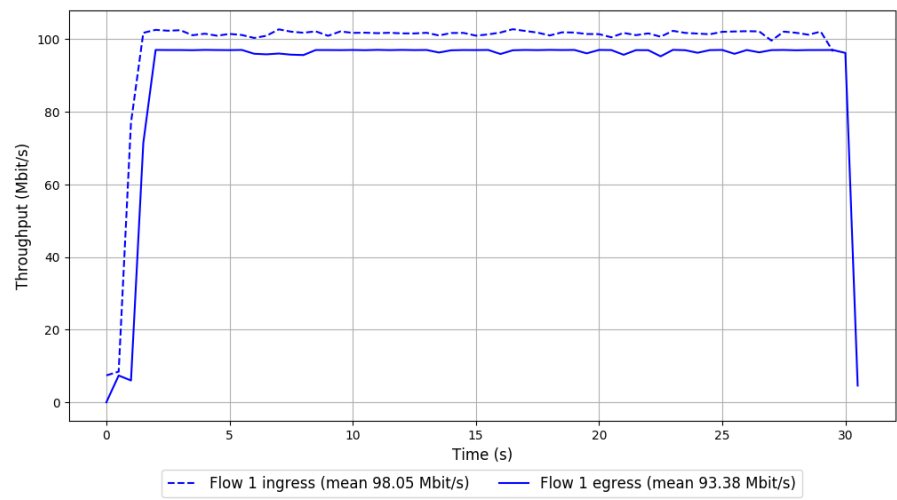


Run 7: Statistics of FillP

Start at: 2018-07-17 11:21:32
End at: 2018-07-17 11:22:02
Local clock offset: -0.094 ms
Remote clock offset: -12.064 ms

Below is generated by plot.py at 2018-07-17 12:44:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 66.274 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 66.274 ms
Loss rate: 4.70%

Run 7: Report of FillP — Data Link

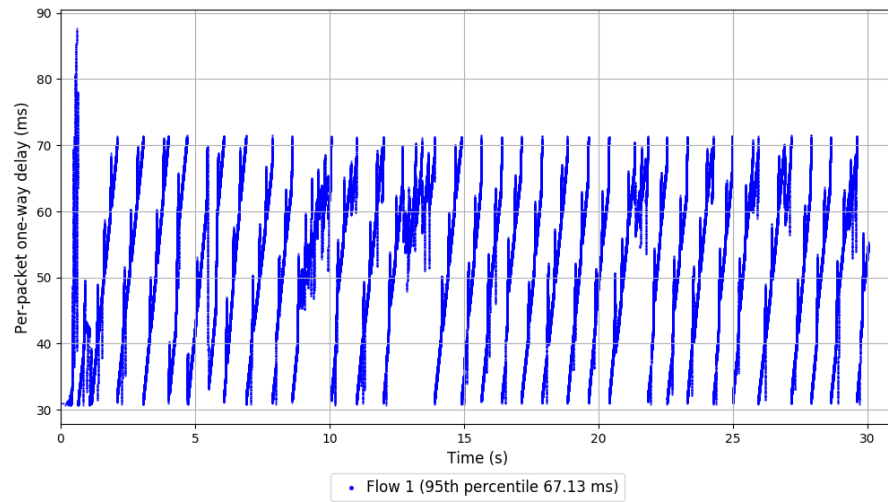
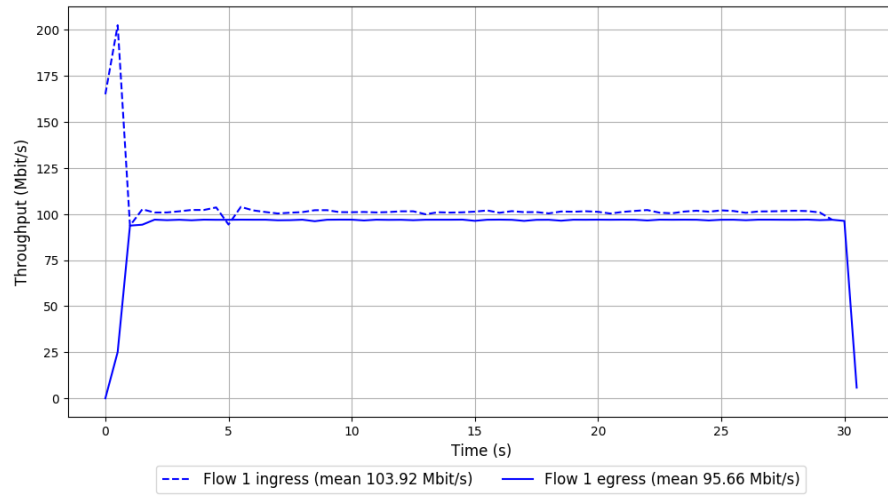


Run 8: Statistics of FillP

Start at: 2018-07-17 11:43:45
End at: 2018-07-17 11:44:15
Local clock offset: 0.004 ms
Remote clock offset: -10.55 ms

Below is generated by plot.py at 2018-07-17 12:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 67.126 ms
Loss rate: 7.87%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 67.126 ms
Loss rate: 7.87%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-17 12:06:05

End at: 2018-07-17 12:06:35

Local clock offset: -0.109 ms

Remote clock offset: -1.89 ms

Below is generated by plot.py at 2018-07-17 12:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 65.440 ms

Loss rate: 9.32%

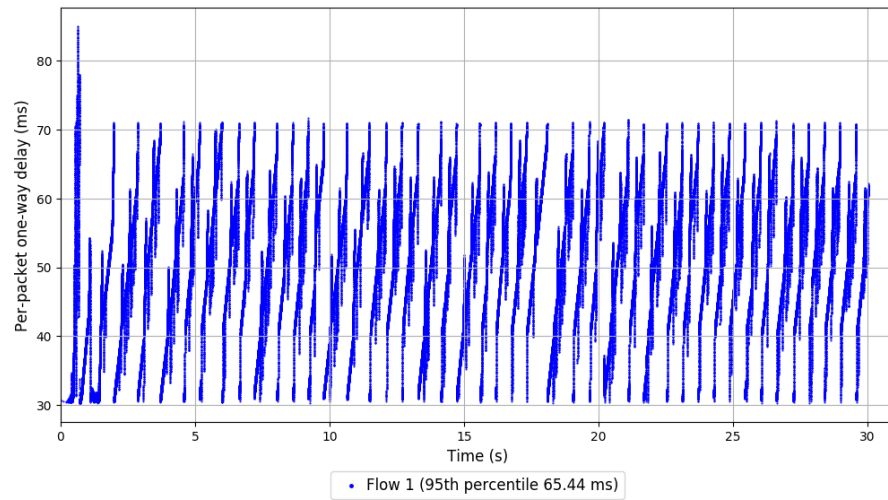
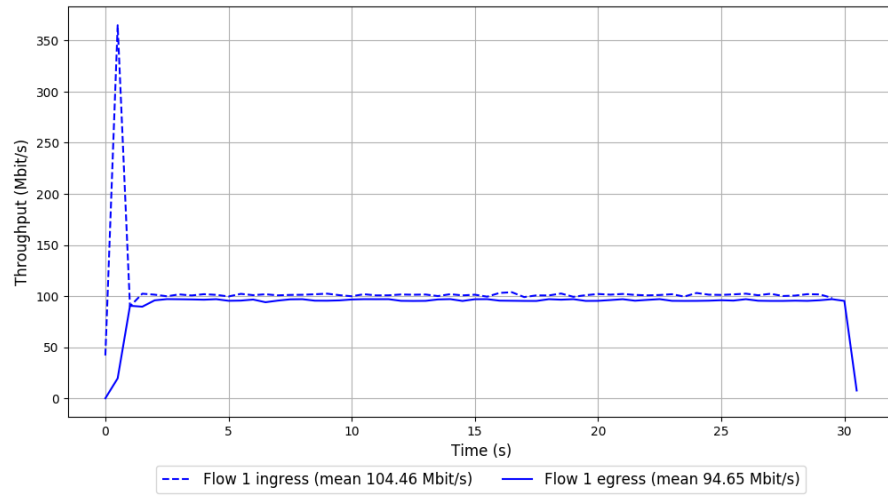
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 65.440 ms

Loss rate: 9.32%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-17 12:28:23

End at: 2018-07-17 12:28:53

Local clock offset: 0.042 ms

Remote clock offset: -0.787 ms

Below is generated by plot.py at 2018-07-17 12:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 67.195 ms

Loss rate: 4.60%

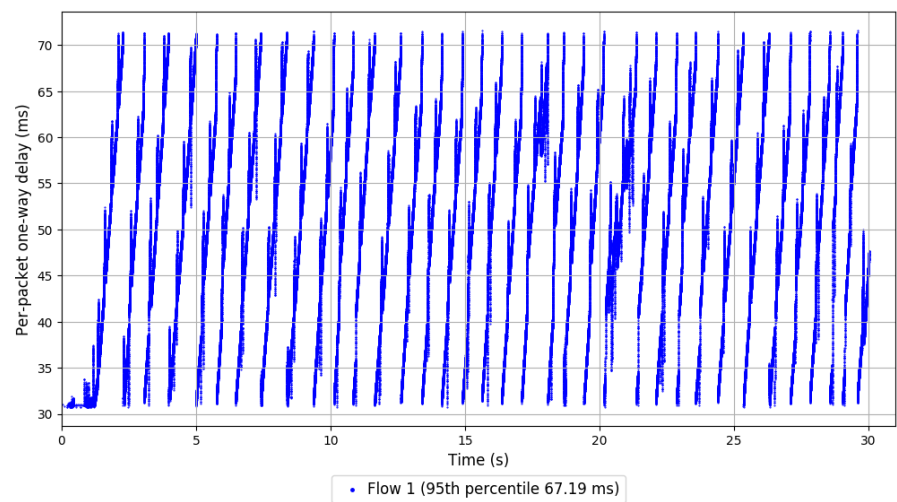
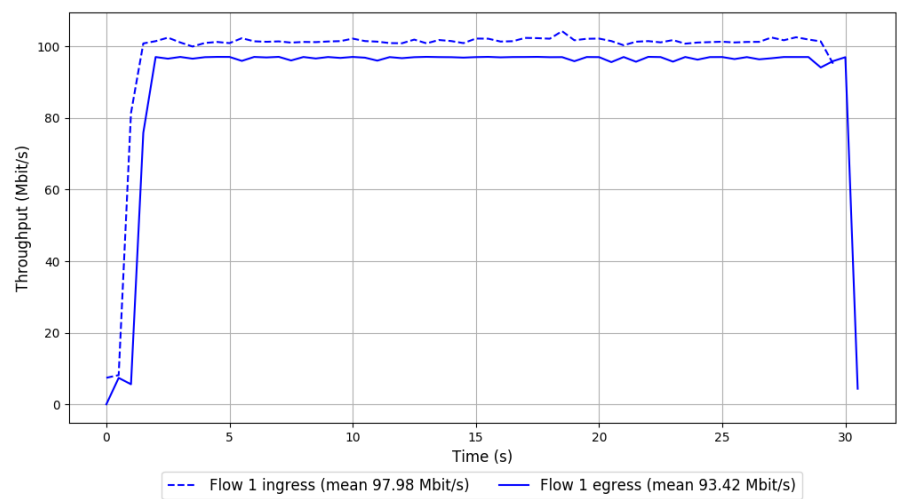
-- Flow 1:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 67.195 ms

Loss rate: 4.60%

Run 10: Report of FillP — Data Link

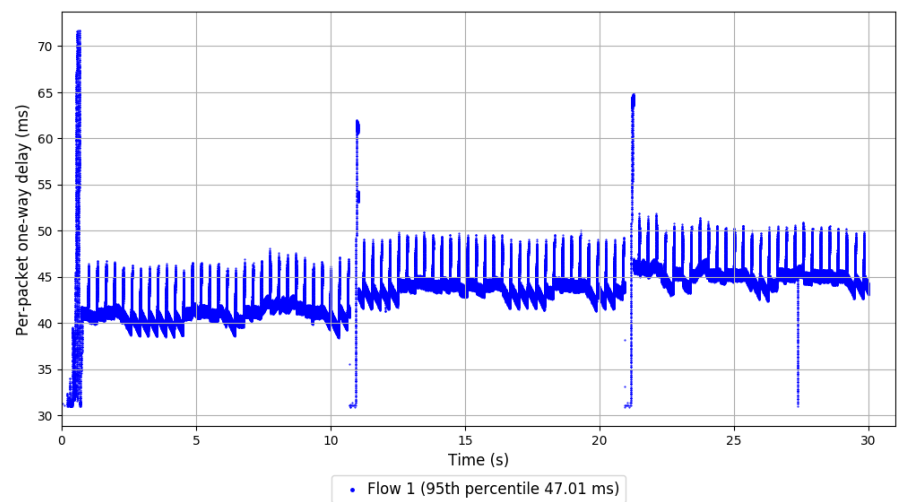
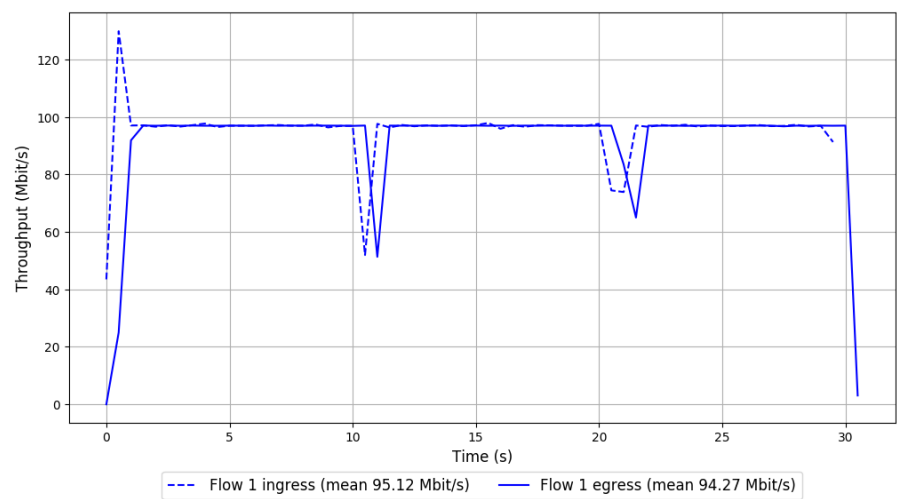


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-17 09:04:01
End at: 2018-07-17 09:04:31
Local clock offset: -0.059 ms
Remote clock offset: -4.654 ms

Below is generated by plot.py at 2018-07-17 12:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 47.010 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 47.010 ms
Loss rate: 0.85%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 09:26:11

End at: 2018-07-17 09:26:41

Local clock offset: 0.099 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-17 12:45:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 49.535 ms

Loss rate: 0.81%

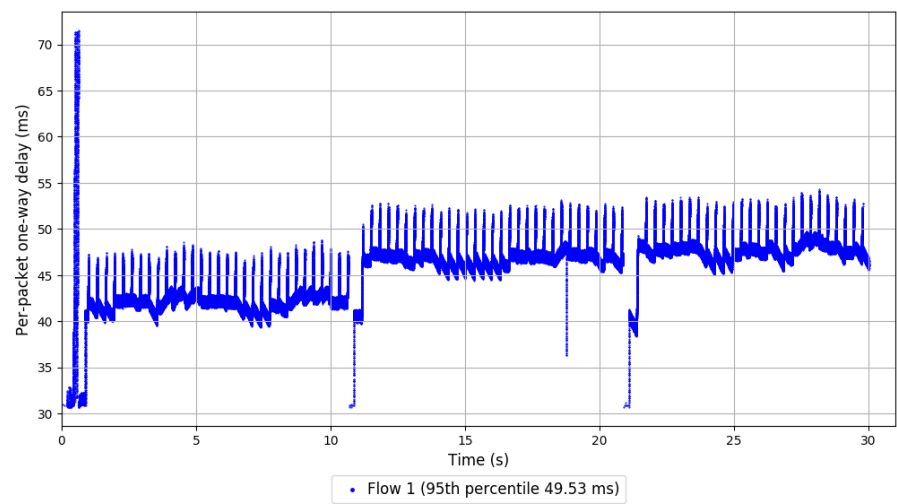
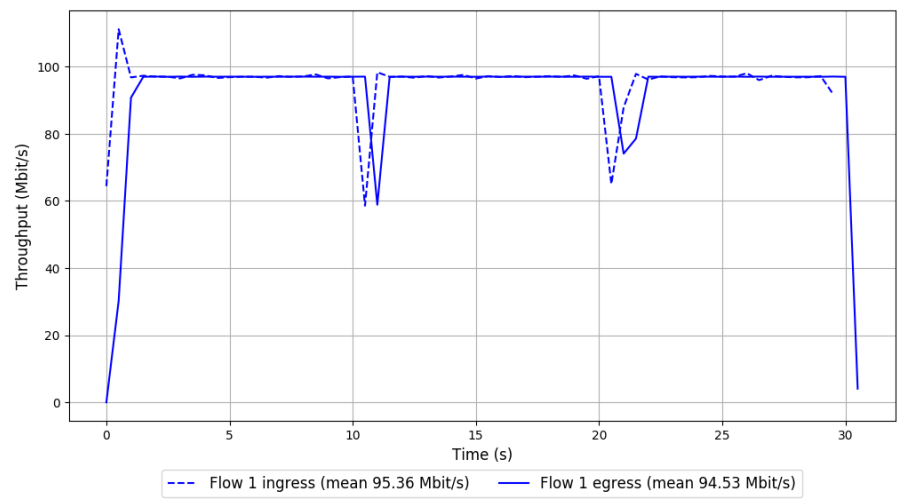
-- Flow 1:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 49.535 ms

Loss rate: 0.81%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 09:48:26

End at: 2018-07-17 09:48:56

Local clock offset: 0.124 ms

Remote clock offset: 2.621 ms

Below is generated by plot.py at 2018-07-17 12:45:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 48.229 ms

Loss rate: 0.86%

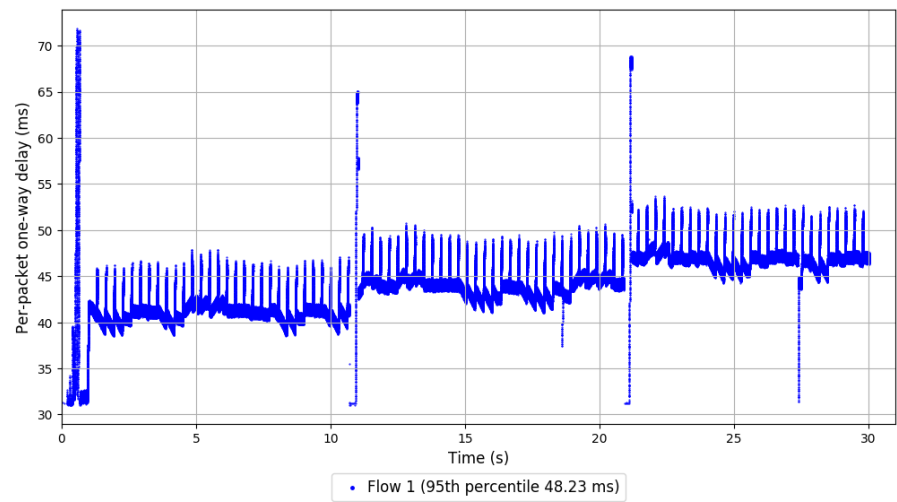
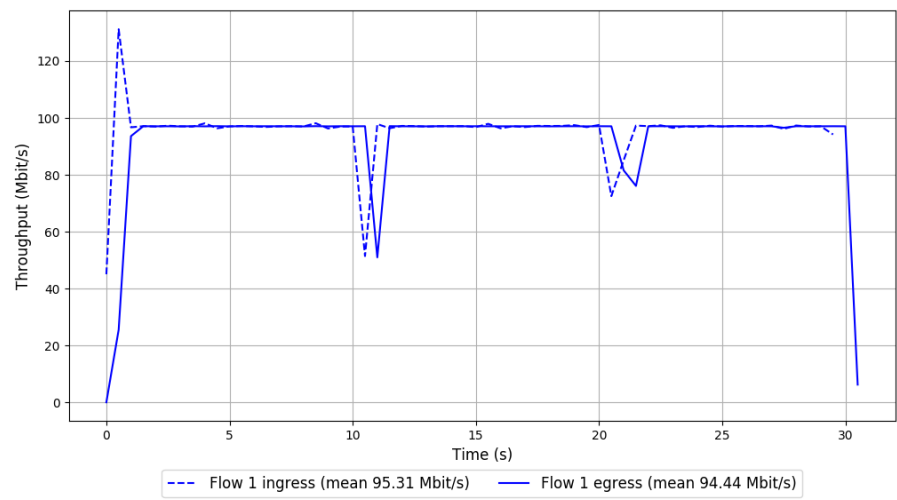
-- Flow 1:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 48.229 ms

Loss rate: 0.86%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 10:10:46

End at: 2018-07-17 10:11:16

Local clock offset: 0.111 ms

Remote clock offset: 1.783 ms

Below is generated by plot.py at 2018-07-17 12:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 54.150 ms

Loss rate: 0.78%

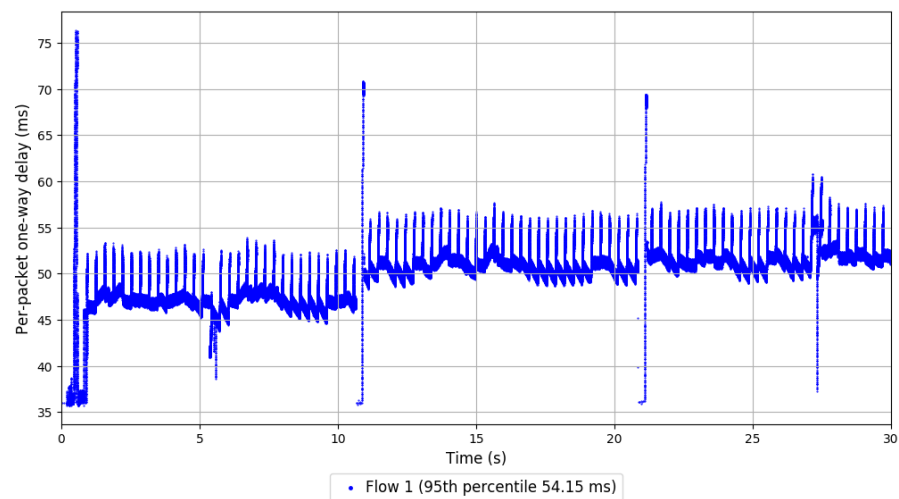
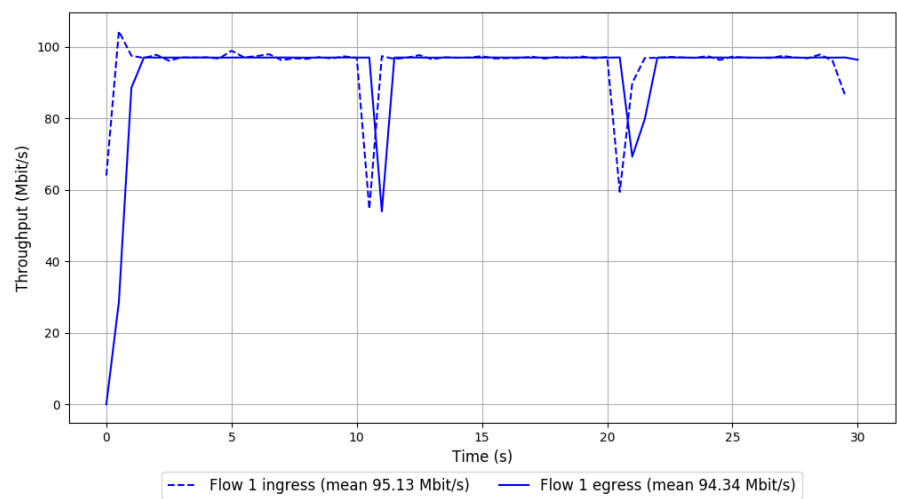
-- Flow 1:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 54.150 ms

Loss rate: 0.78%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 10:33:06

End at: 2018-07-17 10:33:36

Local clock offset: -0.087 ms

Remote clock offset: -10.712 ms

Below is generated by plot.py at 2018-07-17 12:45:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 48.848 ms

Loss rate: 0.99%

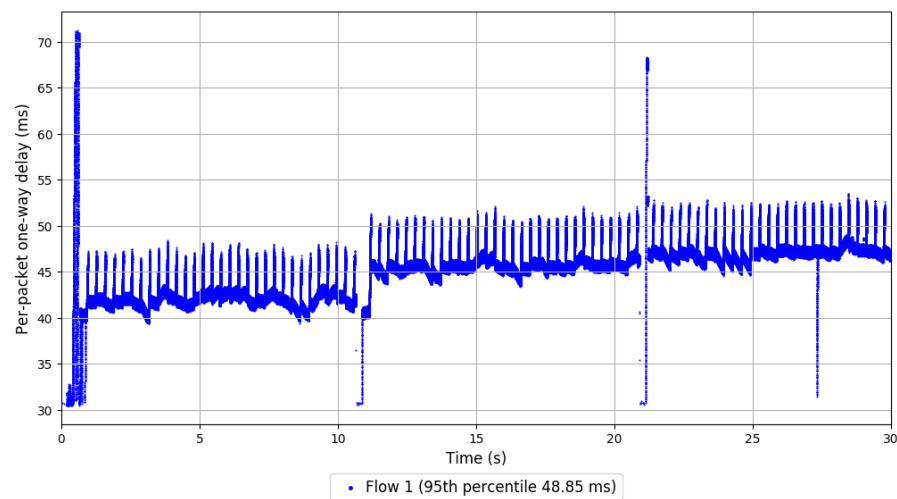
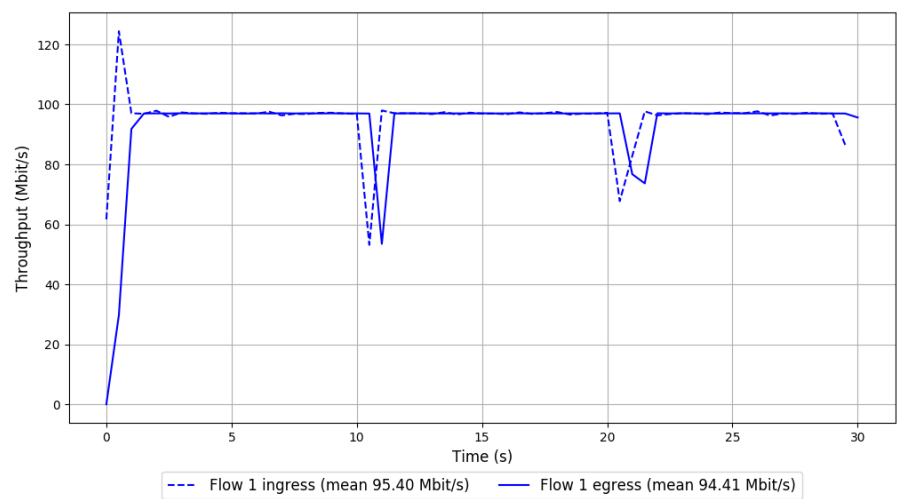
-- Flow 1:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 48.848 ms

Loss rate: 0.99%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 10:55:24

End at: 2018-07-17 10:55:54

Local clock offset: -0.011 ms

Remote clock offset: -12.964 ms

Below is generated by plot.py at 2018-07-17 12:45:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 48.936 ms

Loss rate: 0.75%

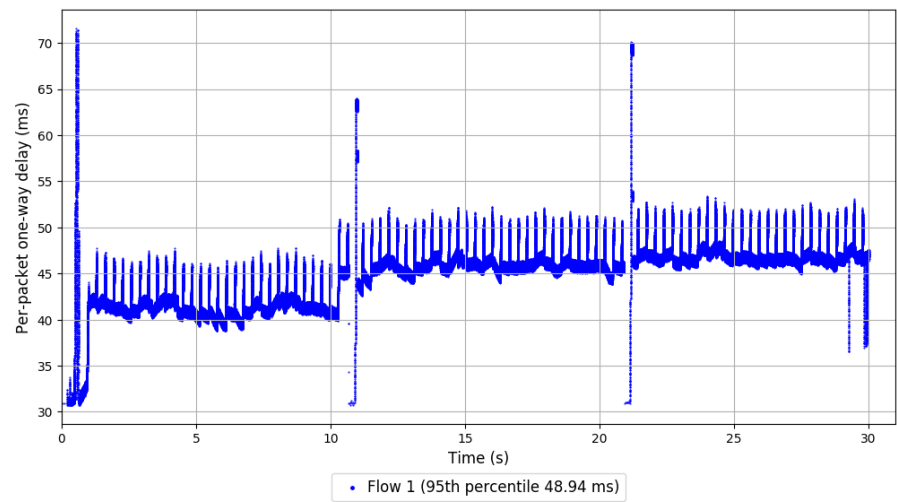
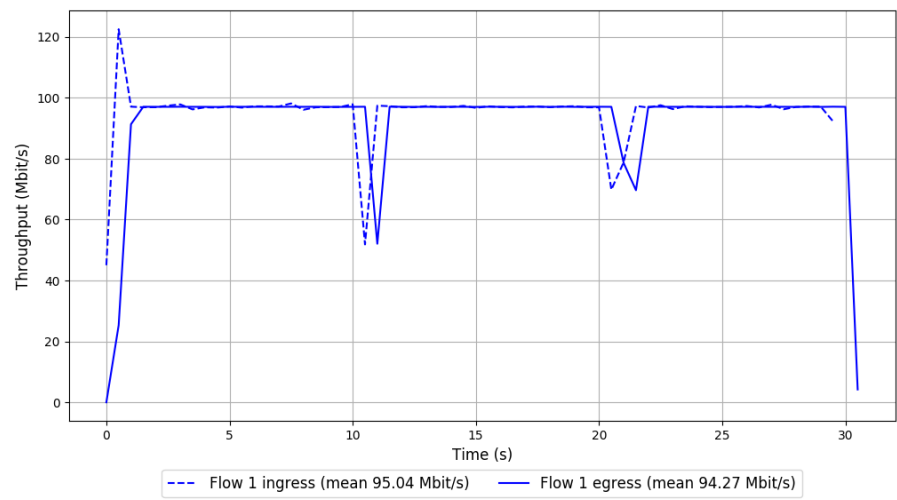
-- Flow 1:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 48.936 ms

Loss rate: 0.75%

Run 6: Report of FillP-Sheep — Data Link

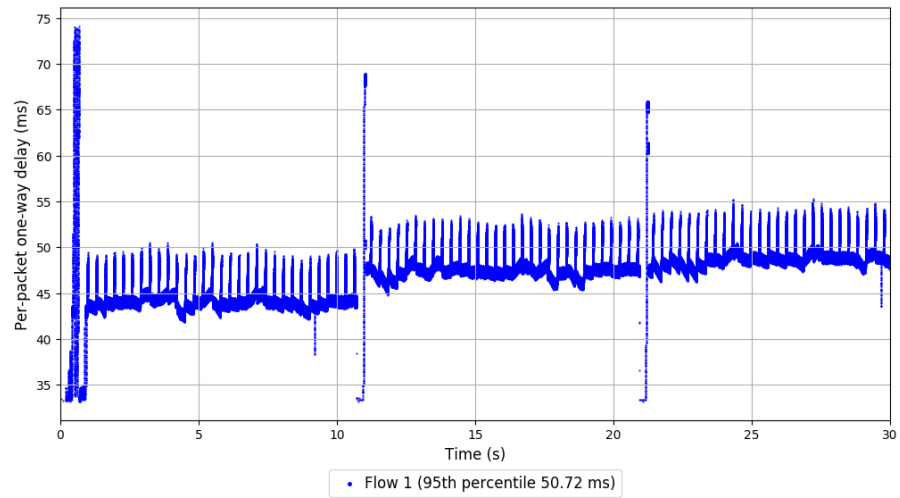
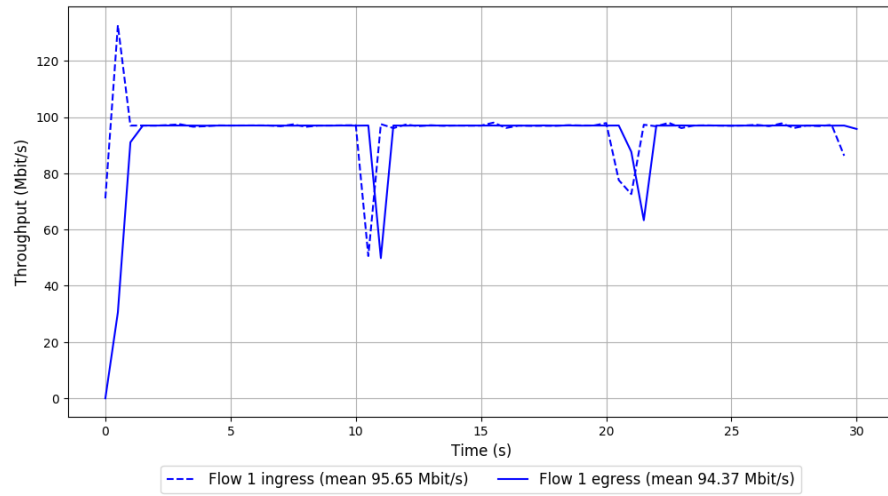


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 11:17:39
End at: 2018-07-17 11:18:09
Local clock offset: -0.116 ms
Remote clock offset: -9.971 ms

Below is generated by plot.py at 2018-07-17 12:46:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 50.715 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 50.715 ms
Loss rate: 1.29%

Run 7: Report of FillP-Sheep — Data Link

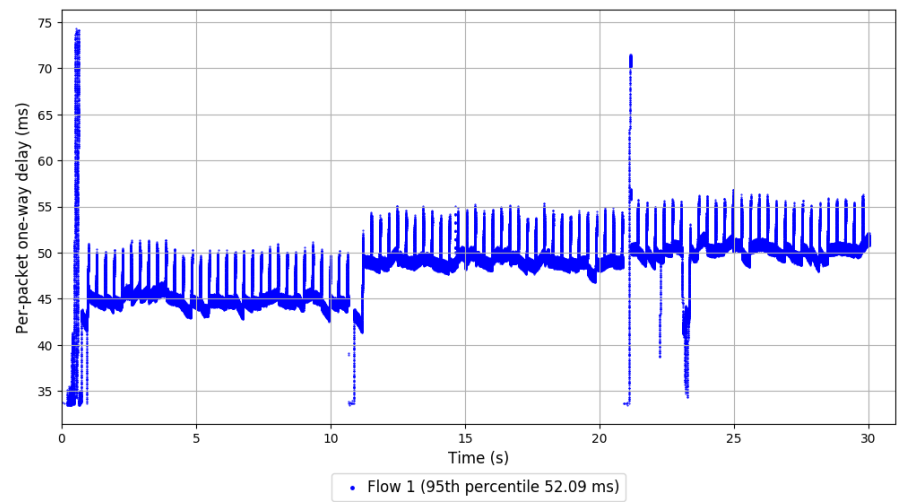
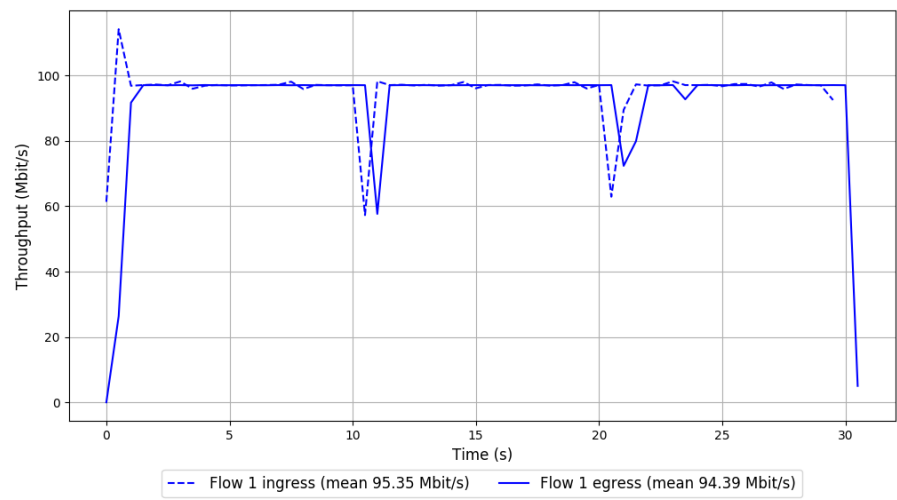


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 11:39:51
End at: 2018-07-17 11:40:21
Local clock offset: 0.02 ms
Remote clock offset: -8.481 ms

Below is generated by plot.py at 2018-07-17 12:46:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 52.089 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 52.089 ms
Loss rate: 0.95%

Run 8: Report of FillP-Sheep — Data Link

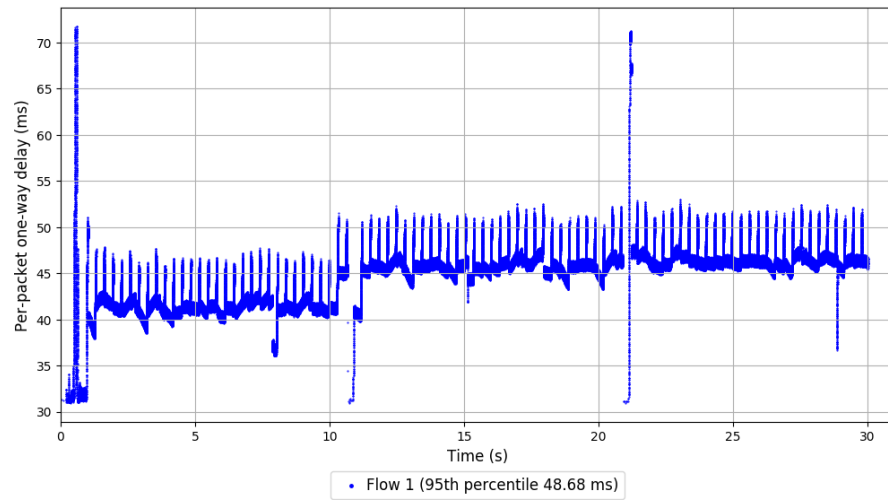
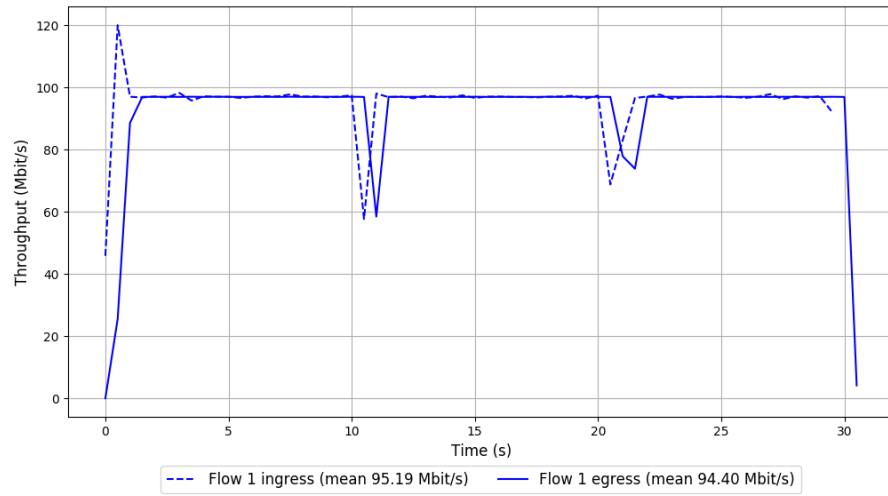


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 12:02:10
End at: 2018-07-17 12:02:40
Local clock offset: -0.008 ms
Remote clock offset: -2.627 ms

Below is generated by plot.py at 2018-07-17 12:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 48.678 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 48.678 ms
Loss rate: 0.78%

Run 9: Report of FillP-Sheep — Data Link

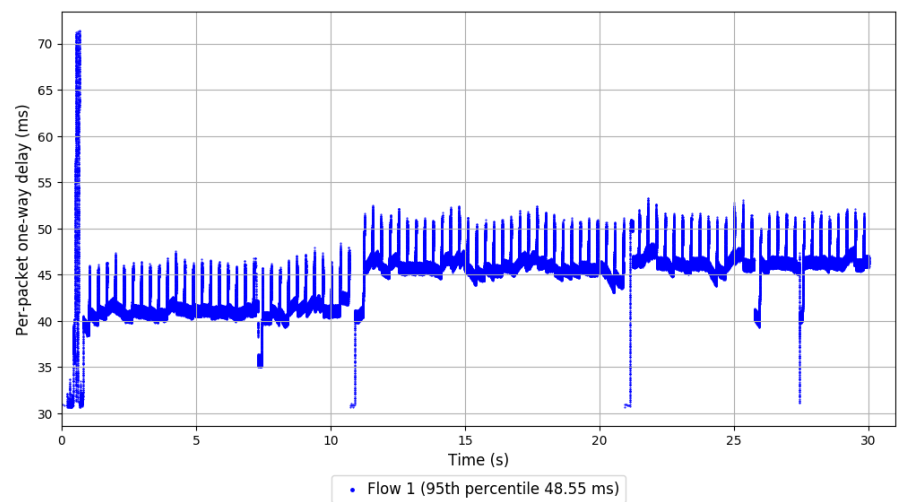
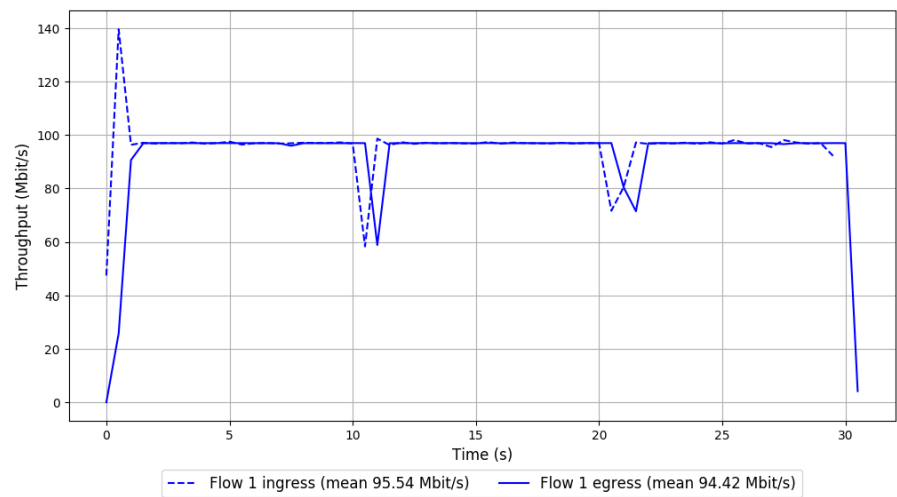


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 12:24:29
End at: 2018-07-17 12:24:59
Local clock offset: 0.071 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-07-17 12:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 48.545 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 48.545 ms
Loss rate: 1.12%

Run 10: Report of FillP-Sheep — Data Link

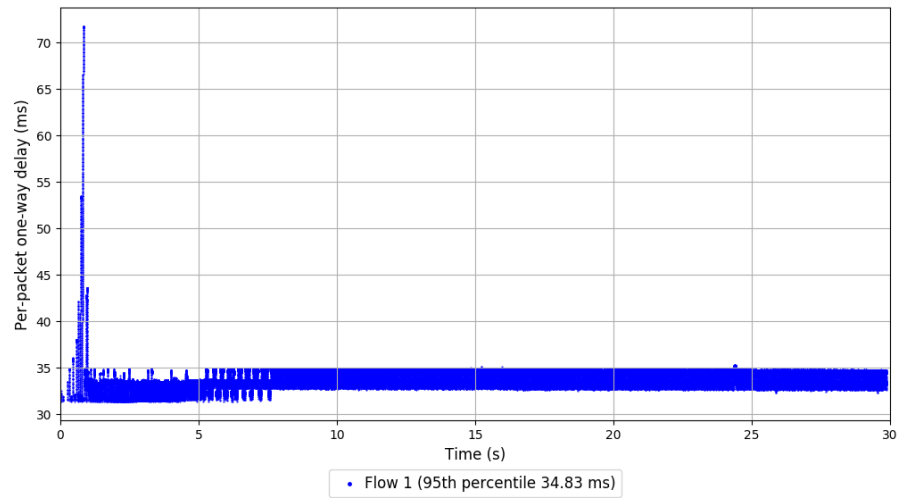
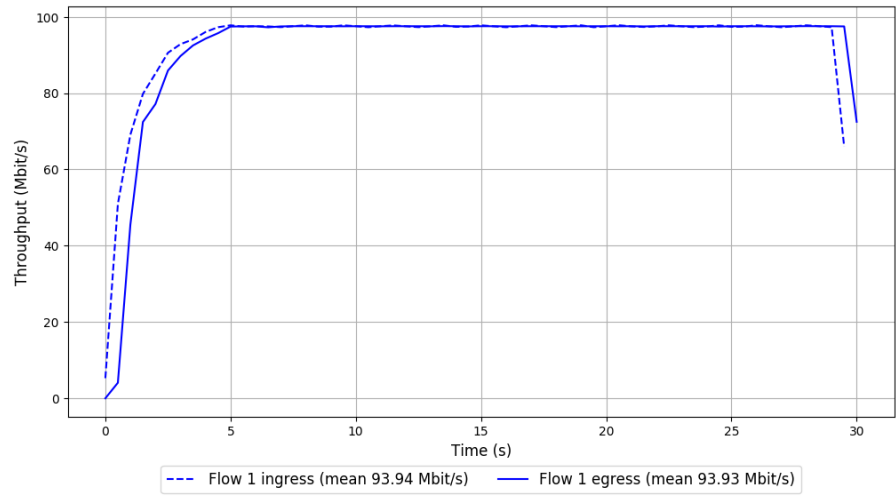


Run 1: Statistics of Indigo

Start at: 2018-07-17 09:02:41
End at: 2018-07-17 09:03:11
Local clock offset: -0.046 ms
Remote clock offset: -4.892 ms

Below is generated by plot.py at 2018-07-17 12:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 34.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 34.834 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

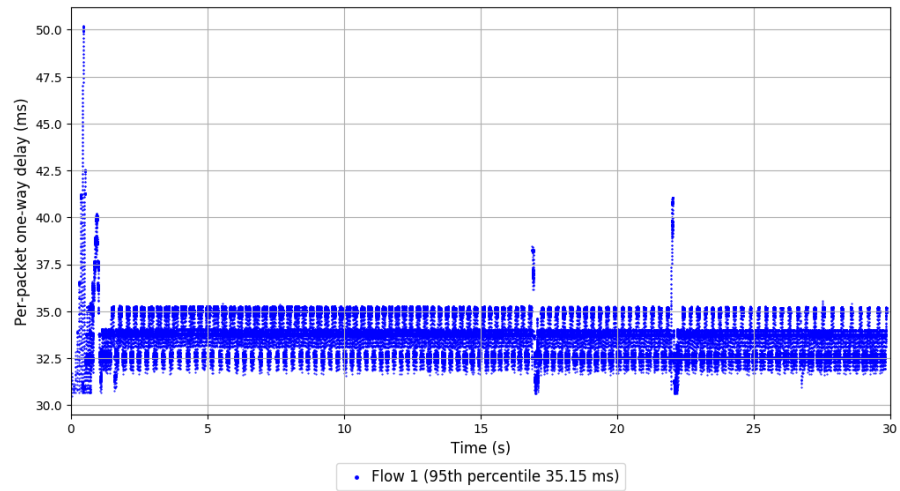
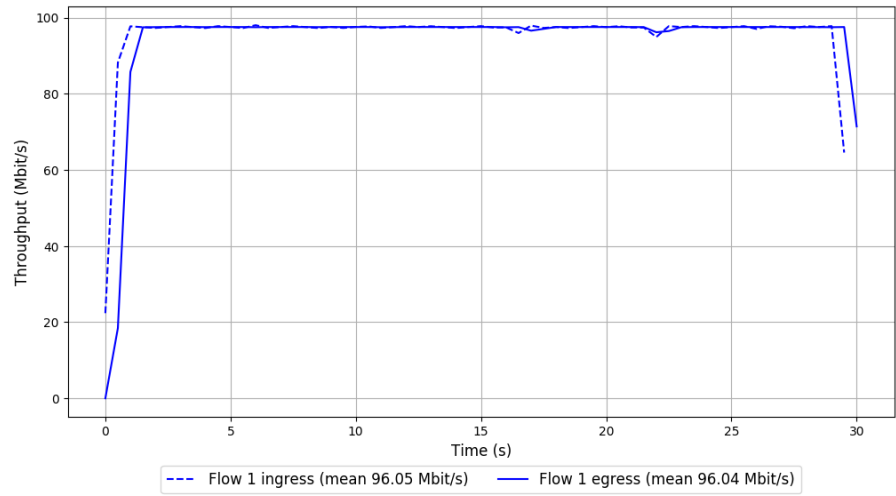


Run 2: Statistics of Indigo

Start at: 2018-07-17 09:24:51
End at: 2018-07-17 09:25:21
Local clock offset: 0.084 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-07-17 12:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 35.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 35.152 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-17 09:47:06

End at: 2018-07-17 09:47:36

Local clock offset: 0.134 ms

Remote clock offset: 5.206 ms

Below is generated by plot.py at 2018-07-17 12:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 36.490 ms

Loss rate: 0.00%

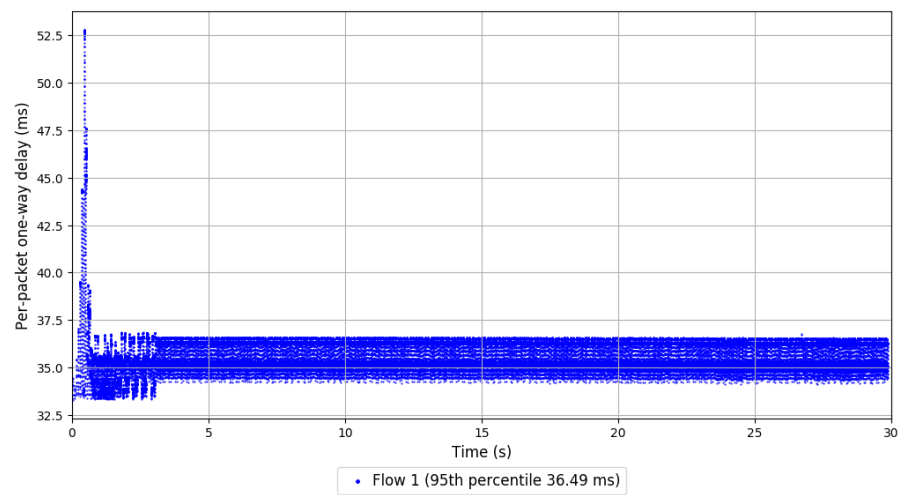
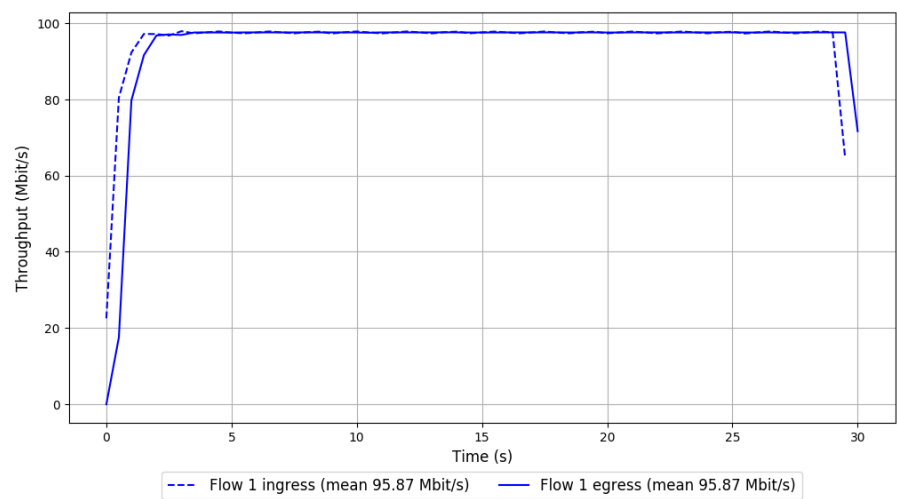
-- Flow 1:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 36.490 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

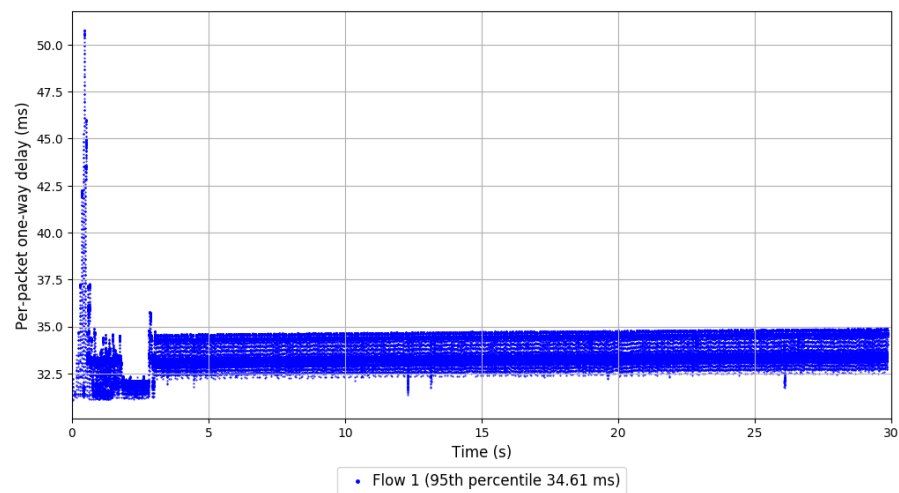
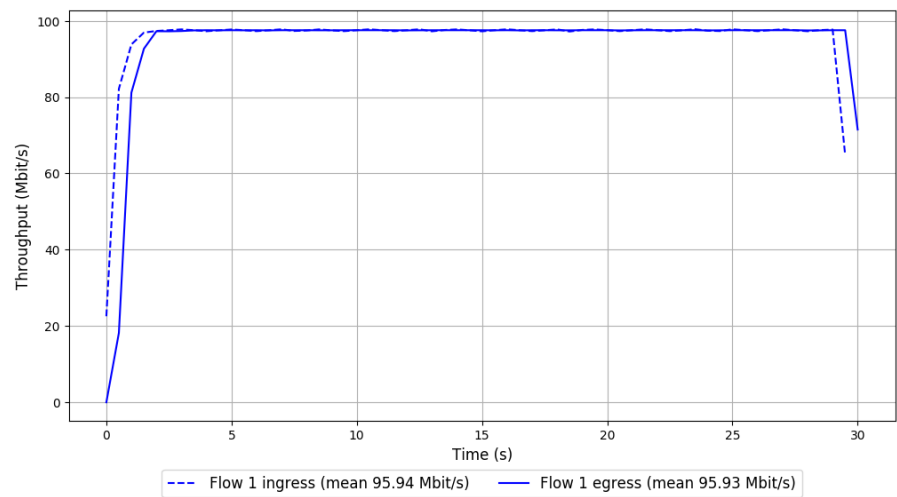


Run 4: Statistics of Indigo

Start at: 2018-07-17 10:09:25
End at: 2018-07-17 10:09:55
Local clock offset: 0.019 ms
Remote clock offset: -2.205 ms

Below is generated by plot.py at 2018-07-17 12:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 34.614 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 34.614 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

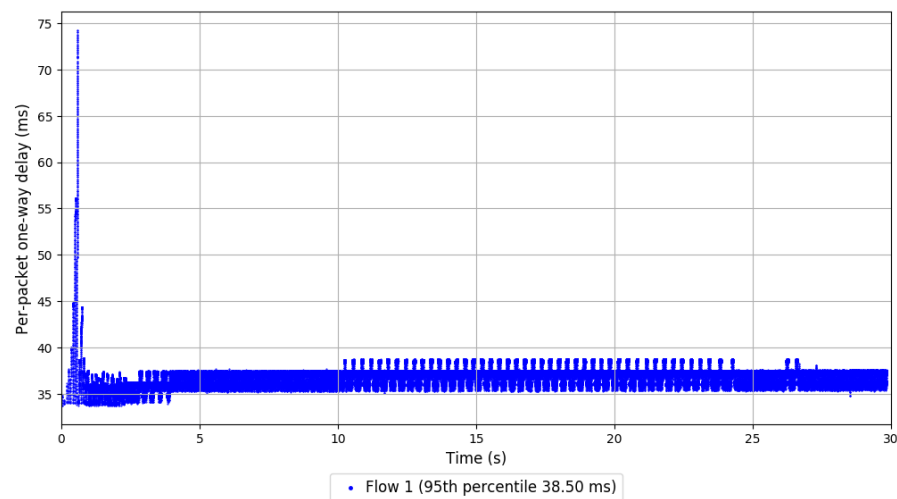
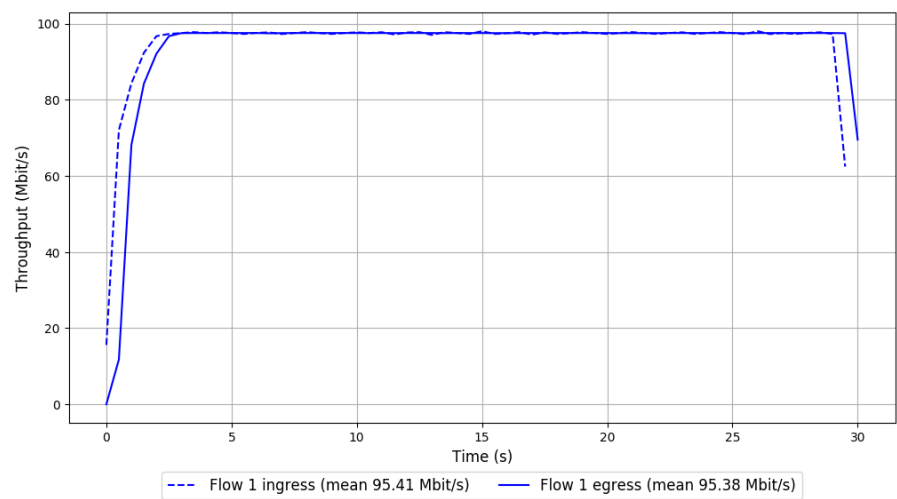


Run 5: Statistics of Indigo

Start at: 2018-07-17 10:31:45
End at: 2018-07-17 10:32:15
Local clock offset: 0.012 ms
Remote clock offset: -7.796 ms

Below is generated by plot.py at 2018-07-17 12:47:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 38.497 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 38.497 ms
Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

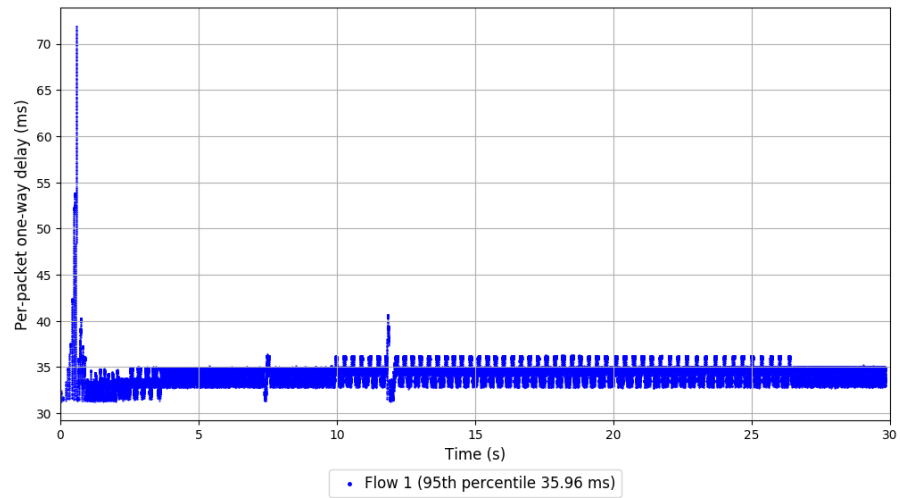
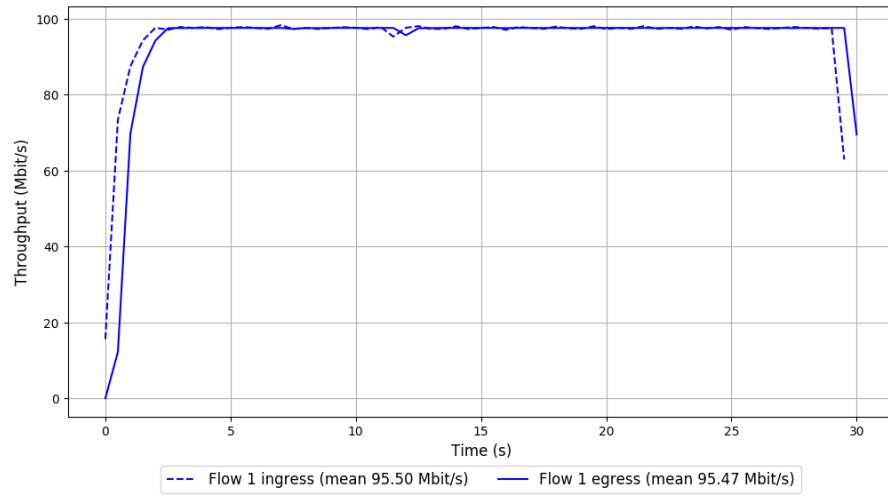


Run 6: Statistics of Indigo

Start at: 2018-07-17 10:54:04
End at: 2018-07-17 10:54:34
Local clock offset: -0.095 ms
Remote clock offset: -13.095 ms

Below is generated by plot.py at 2018-07-17 12:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 35.961 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 35.961 ms
Loss rate: 0.02%

Run 6: Report of Indigo — Data Link

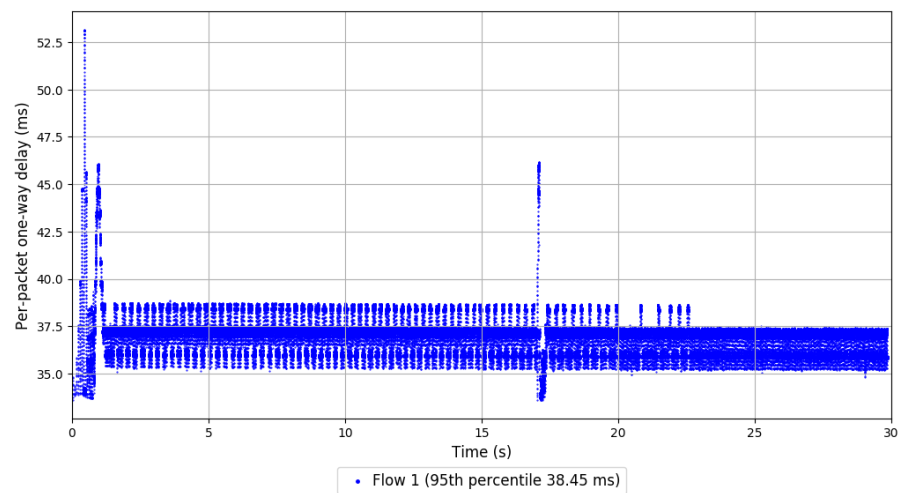
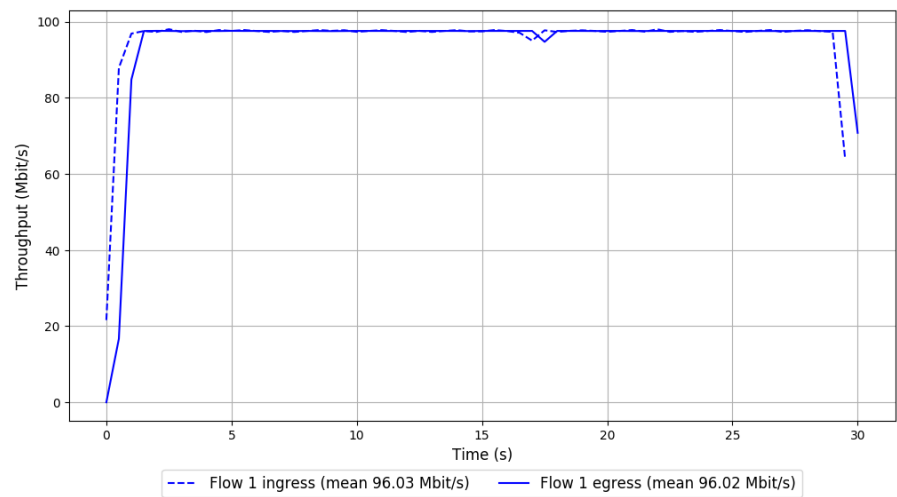


Run 7: Statistics of Indigo

Start at: 2018-07-17 11:16:19
End at: 2018-07-17 11:16:49
Local clock offset: -0.013 ms
Remote clock offset: -10.527 ms

Below is generated by plot.py at 2018-07-17 12:47:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 38.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 38.448 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

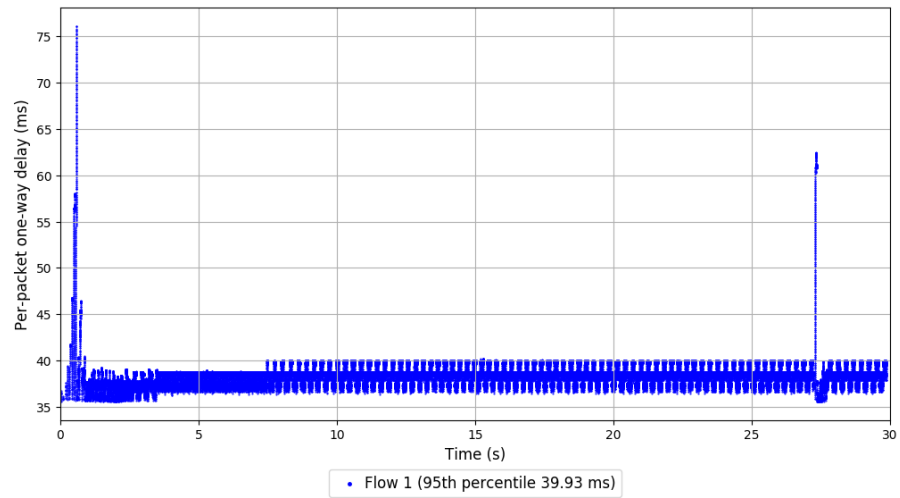
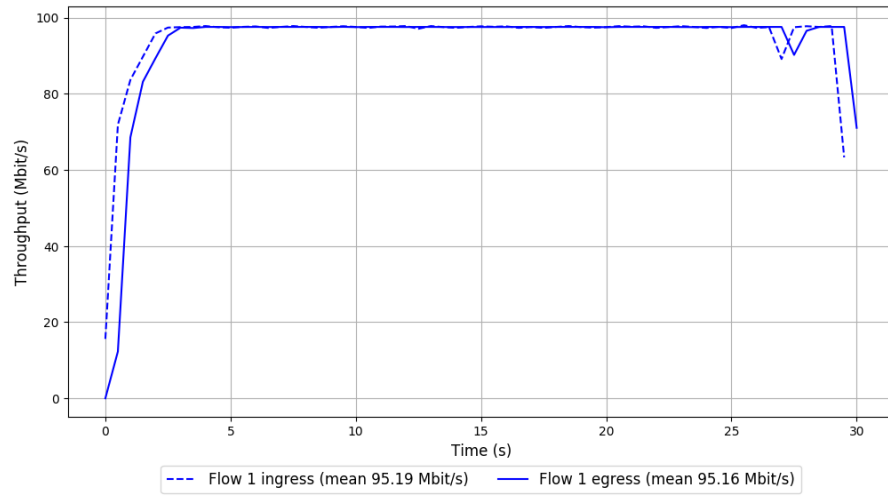


Run 8: Statistics of Indigo

Start at: 2018-07-17 11:38:31
End at: 2018-07-17 11:39:01
Local clock offset: -0.084 ms
Remote clock offset: -6.021 ms

Below is generated by plot.py at 2018-07-17 12:47:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 39.927 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 39.927 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link

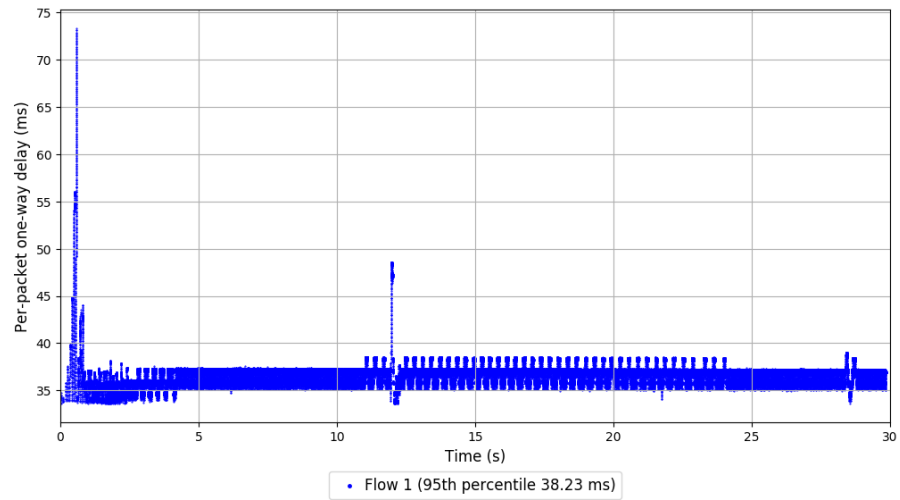
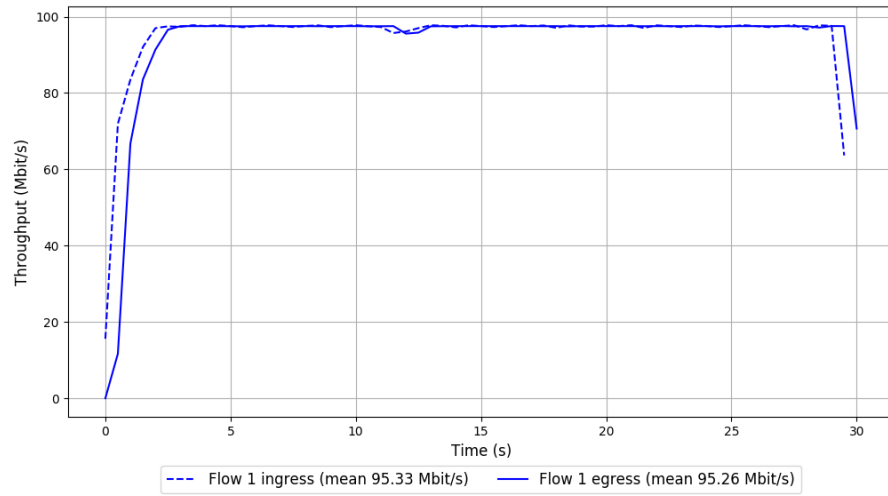


Run 9: Statistics of Indigo

Start at: 2018-07-17 12:00:50
End at: 2018-07-17 12:01:20
Local clock offset: -0.074 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-07-17 12:47:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 38.234 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 38.234 ms
Loss rate: 0.05%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-17 12:23:09

End at: 2018-07-17 12:23:39

Local clock offset: 0.043 ms

Remote clock offset: 4.652 ms

Below is generated by plot.py at 2018-07-17 12:47:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 40.160 ms

Loss rate: 0.00%

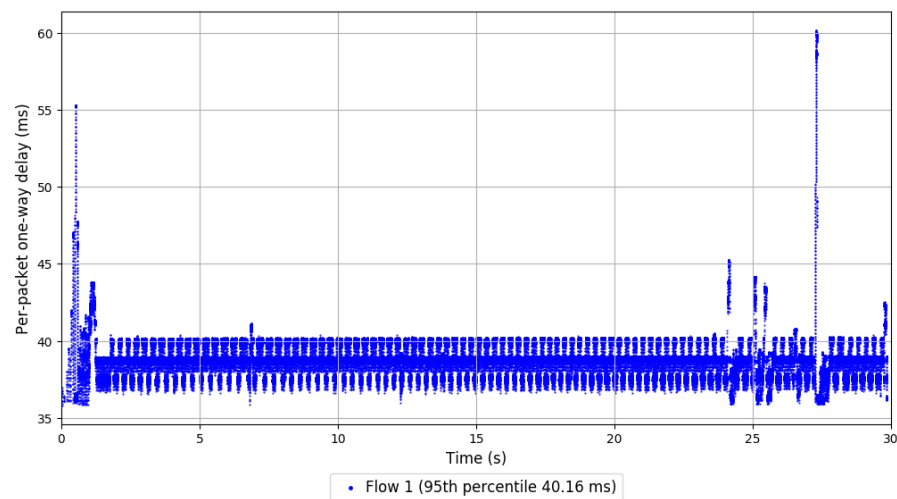
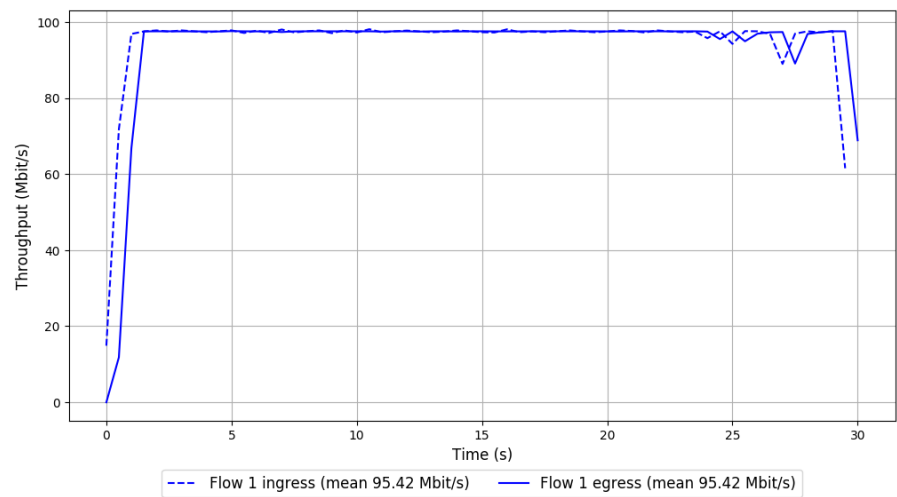
-- Flow 1:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 40.160 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

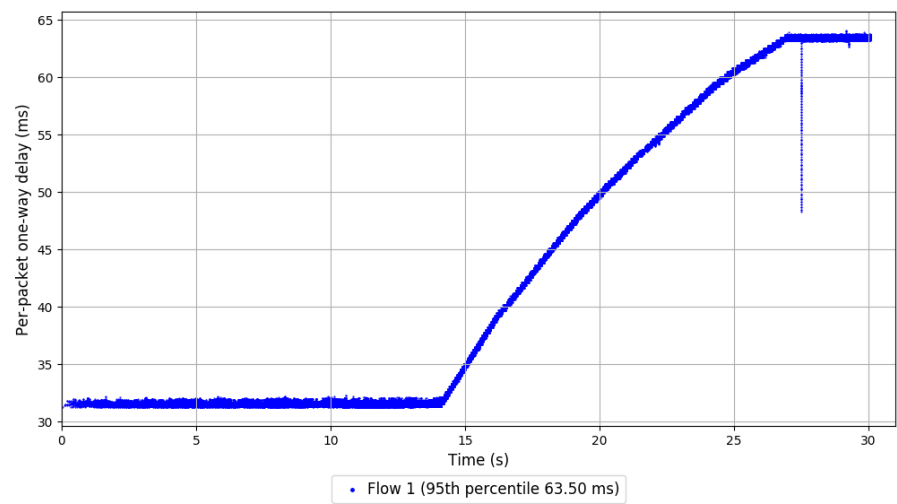
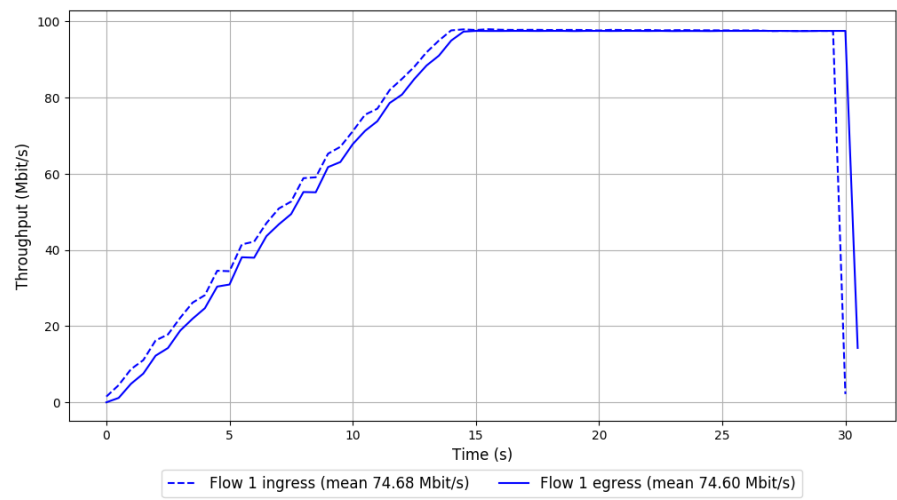


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-17 08:53:30
End at: 2018-07-17 08:54:00
Local clock offset: -0.198 ms
Remote clock offset: -10.045 ms

# Below is generated by plot.py at 2018-07-17 12:47:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 63.502 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 63.502 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-17 09:15:40

End at: 2018-07-17 09:16:10

Local clock offset: -0.133 ms

Remote clock offset: 0.81 ms

Below is generated by plot.py at 2018-07-17 12:47:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.11 Mbit/s

95th percentile per-packet one-way delay: 55.705 ms

Loss rate: 0.00%

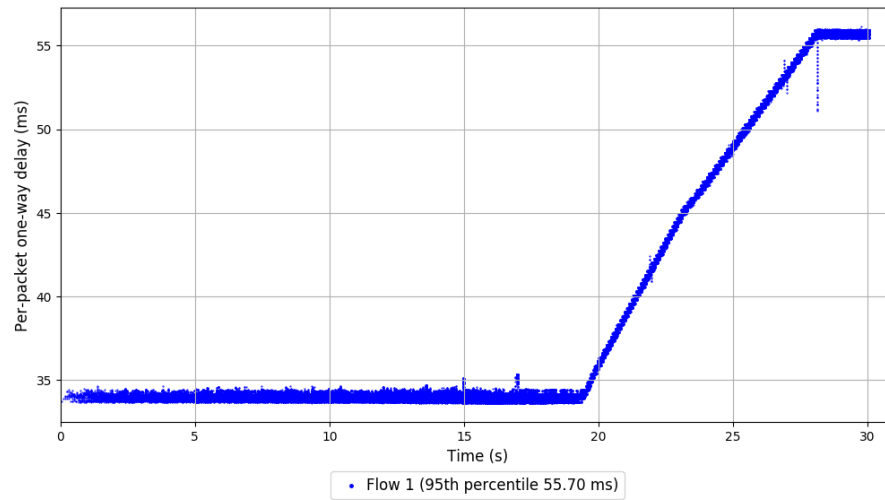
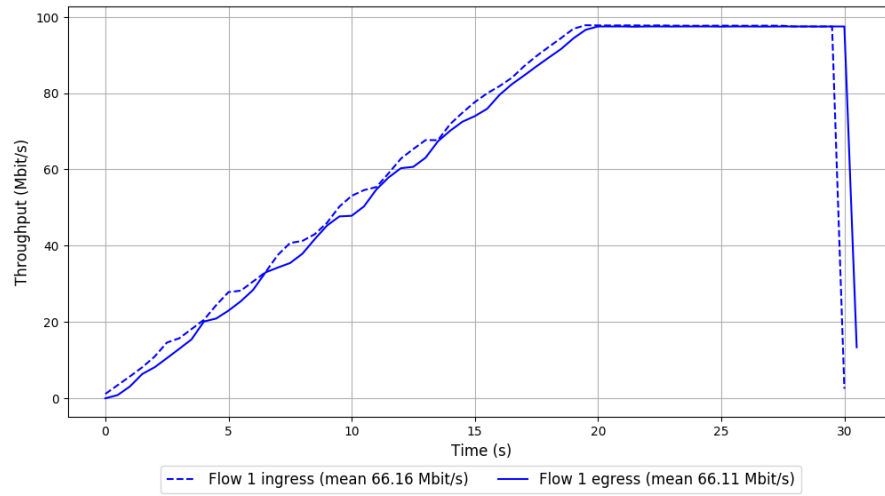
-- Flow 1:

Average throughput: 66.11 Mbit/s

95th percentile per-packet one-way delay: 55.705 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-17 09:37:54

End at: 2018-07-17 09:38:24

Local clock offset: 0.151 ms

Remote clock offset: 6.643 ms

Below is generated by plot.py at 2018-07-17 12:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.37 Mbit/s

95th percentile per-packet one-way delay: 63.521 ms

Loss rate: 0.03%

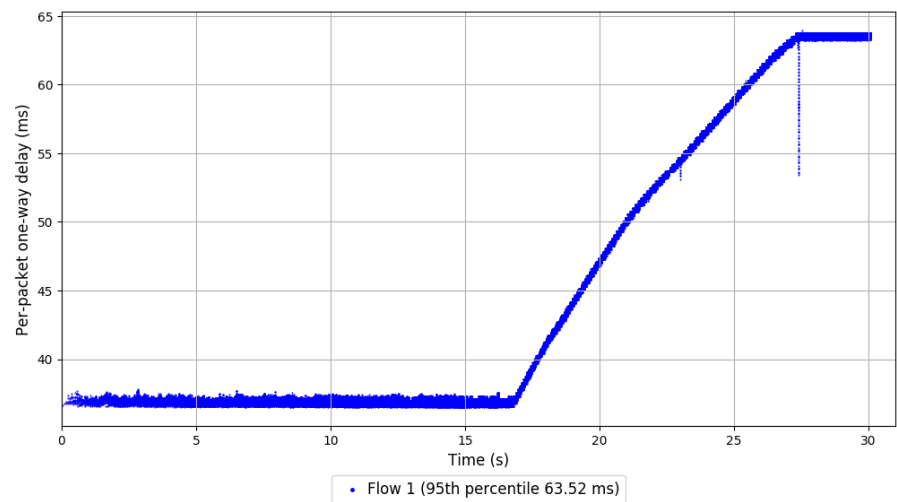
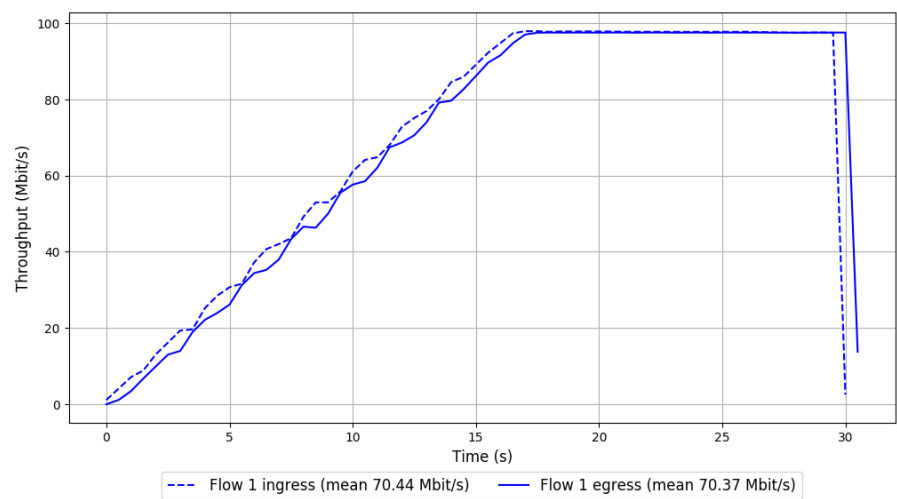
-- Flow 1:

Average throughput: 70.37 Mbit/s

95th percentile per-packet one-way delay: 63.521 ms

Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-17 10:00:12

End at: 2018-07-17 10:00:42

Local clock offset: 0.17 ms

Remote clock offset: 4.06 ms

Below is generated by plot.py at 2018-07-17 12:48:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.65 Mbit/s

95th percentile per-packet one-way delay: 58.108 ms

Loss rate: 0.01%

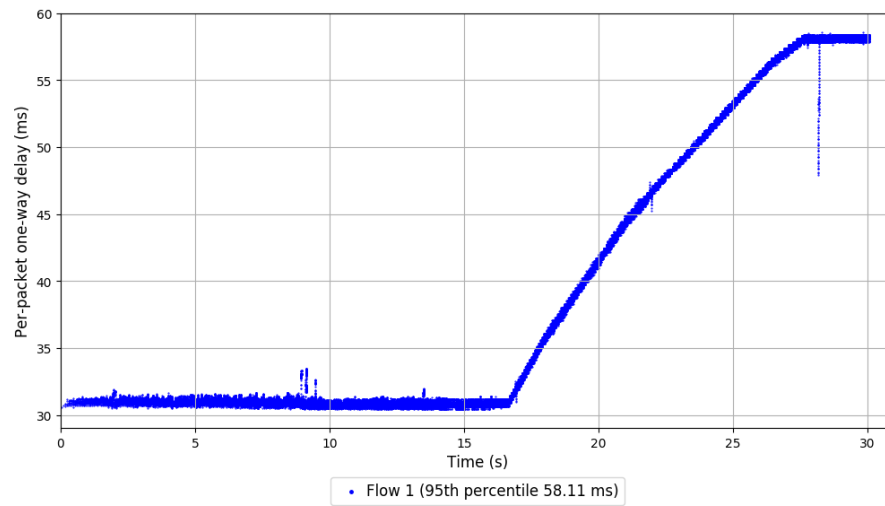
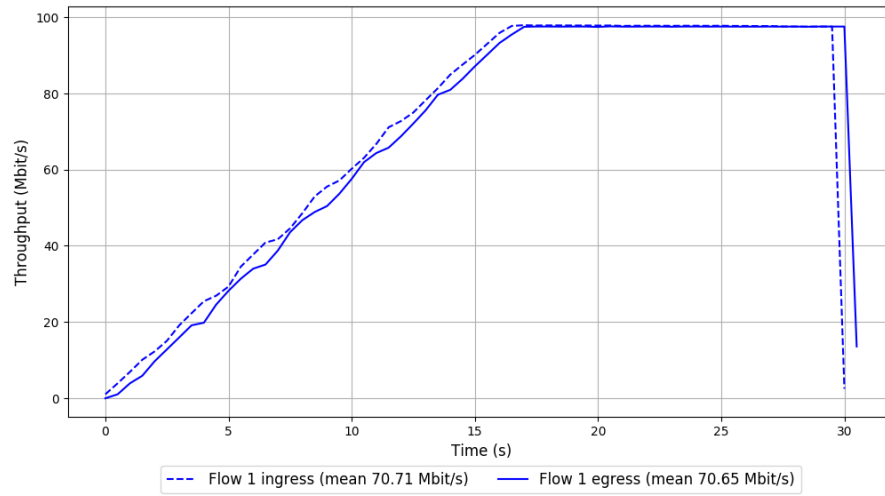
-- Flow 1:

Average throughput: 70.65 Mbit/s

95th percentile per-packet one-way delay: 58.108 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

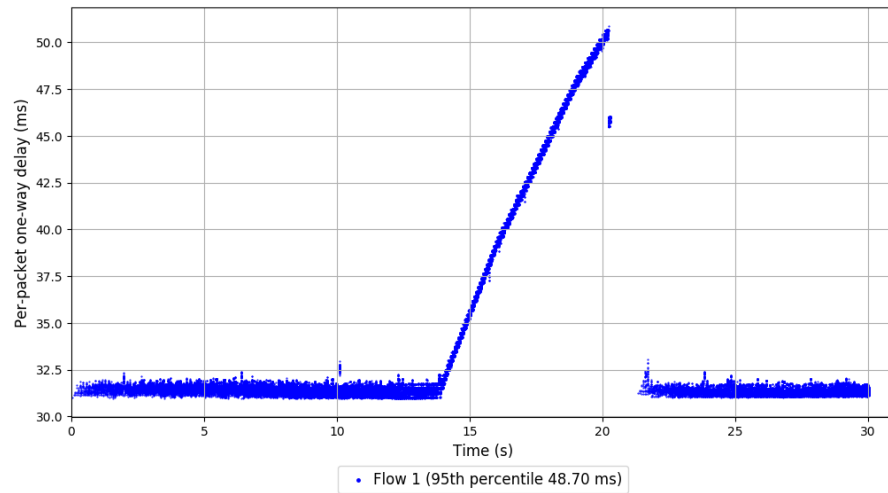
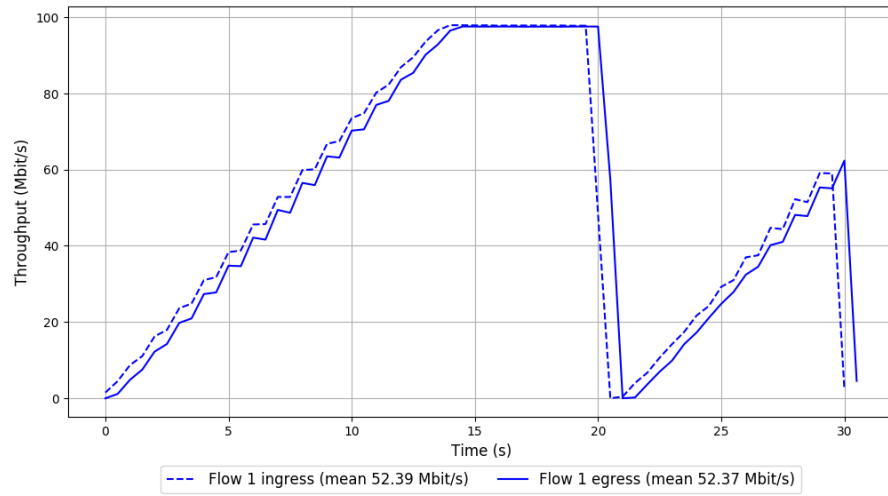


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 10:22:32
End at: 2018-07-17 10:23:02
Local clock offset: -0.025 ms
Remote clock offset: -7.929 ms

Below is generated by plot.py at 2018-07-17 12:48:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.37 Mbit/s
95th percentile per-packet one-way delay: 48.702 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 52.37 Mbit/s
95th percentile per-packet one-way delay: 48.702 ms
Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link

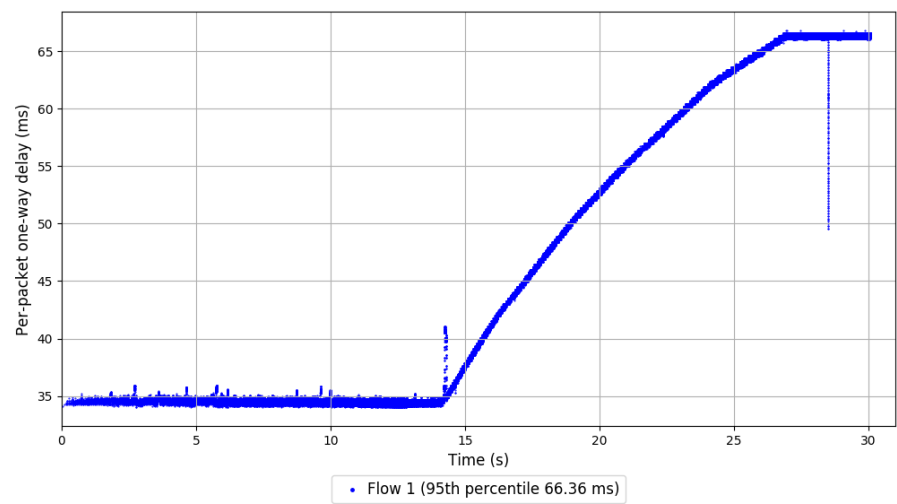
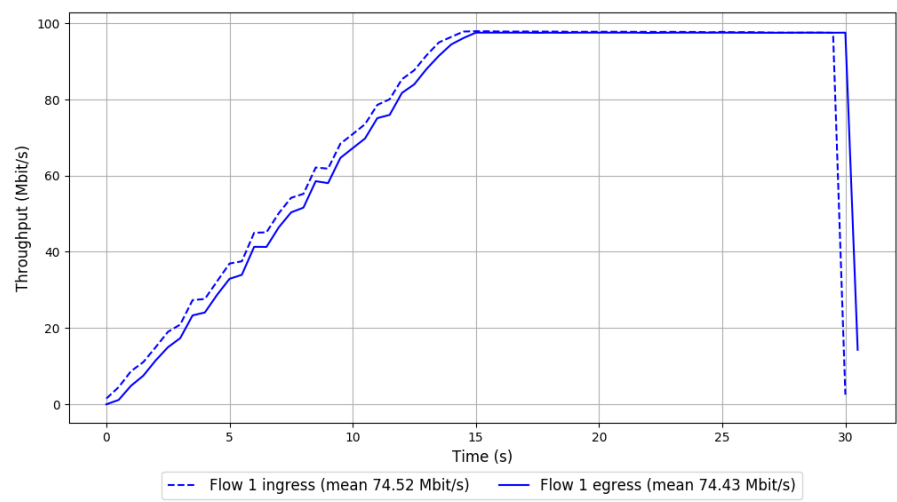


Run 6: Statistics of LEDBAT

Start at: 2018-07-17 10:44:51
End at: 2018-07-17 10:45:21
Local clock offset: -0.07 ms
Remote clock offset: -9.087 ms

Below is generated by plot.py at 2018-07-17 12:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.43 Mbit/s
95th percentile per-packet one-way delay: 66.356 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 74.43 Mbit/s
95th percentile per-packet one-way delay: 66.356 ms
Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

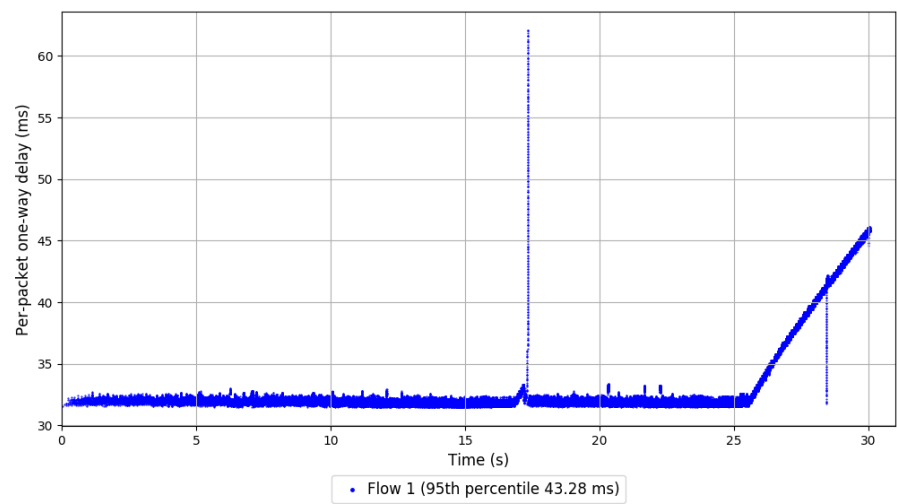
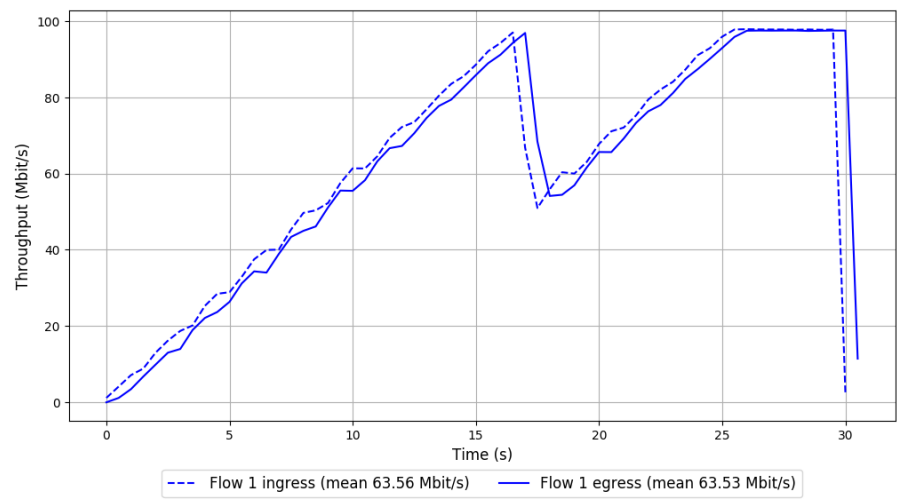


Run 7: Statistics of LEDBAT

Start at: 2018-07-17 11:07:08
End at: 2018-07-17 11:07:38
Local clock offset: -0.007 ms
Remote clock offset: -14.429 ms

Below is generated by plot.py at 2018-07-17 12:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 43.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 43.277 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

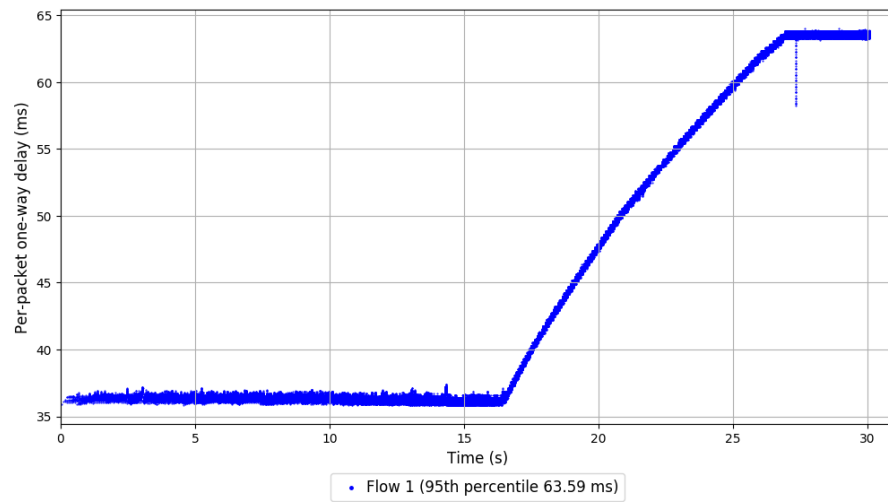
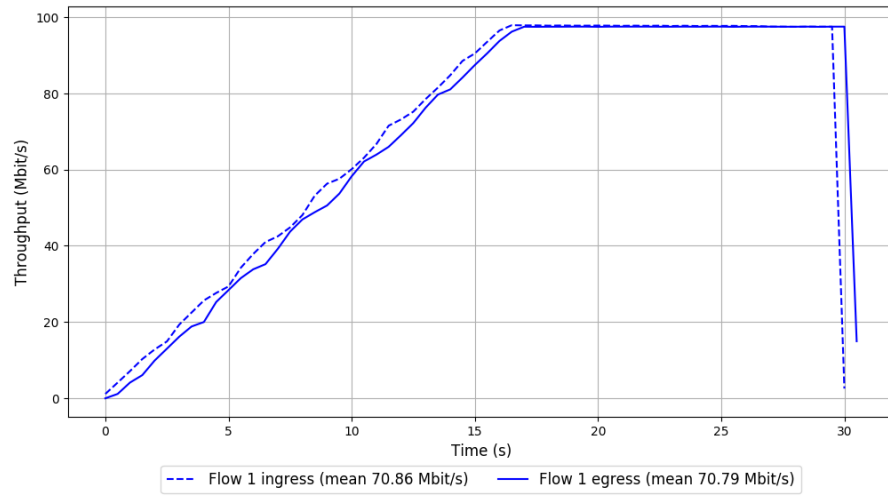


Run 8: Statistics of LEDBAT

Start at: 2018-07-17 11:29:21
End at: 2018-07-17 11:29:51
Local clock offset: -0.067 ms
Remote clock offset: -6.055 ms

Below is generated by plot.py at 2018-07-17 12:48:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 63.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 63.585 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

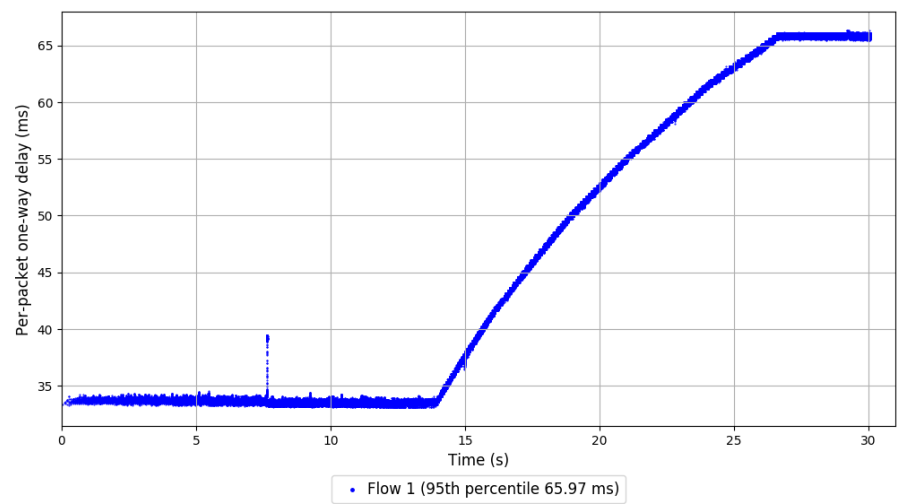
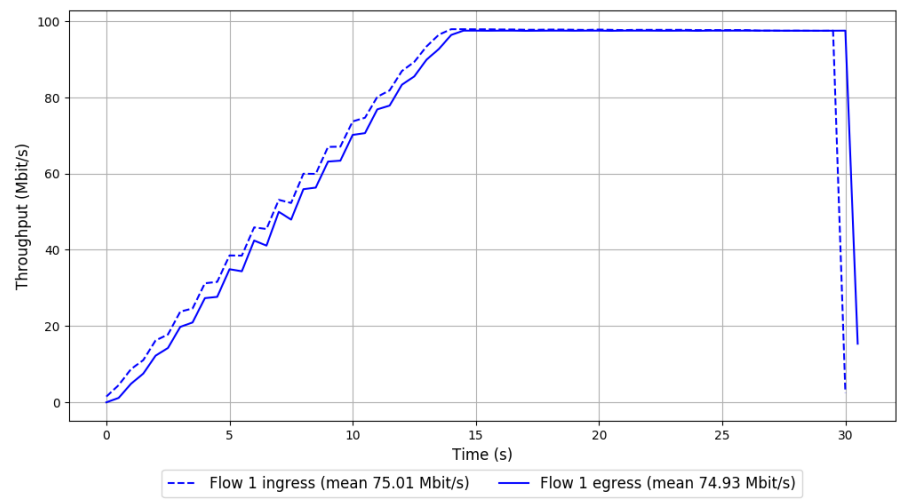


Run 9: Statistics of LEDBAT

Start at: 2018-07-17 11:51:36
End at: 2018-07-17 11:52:06
Local clock offset: -0.058 ms
Remote clock offset: -3.614 ms

Below is generated by plot.py at 2018-07-17 12:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 65.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 65.968 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-17 12:13:56

End at: 2018-07-17 12:14:26

Local clock offset: -0.063 ms

Remote clock offset: 1.912 ms

Below is generated by plot.py at 2018-07-17 12:48:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 55.807 ms

Loss rate: 0.02%

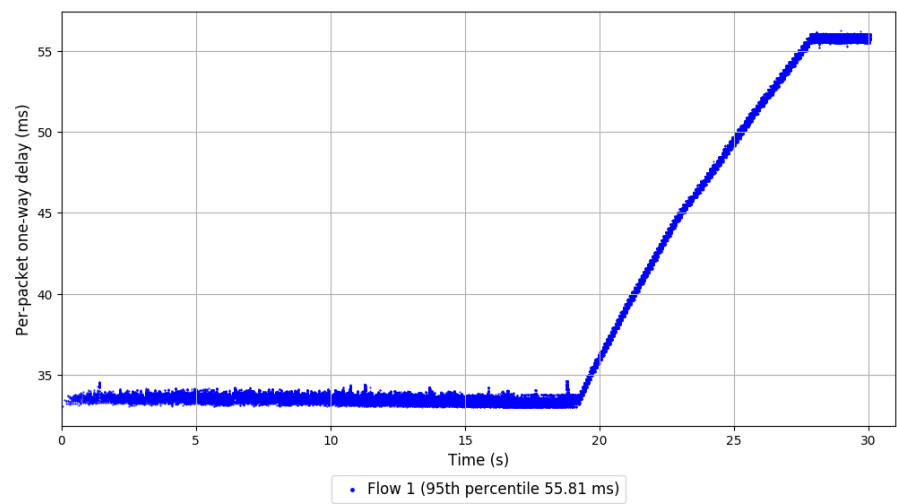
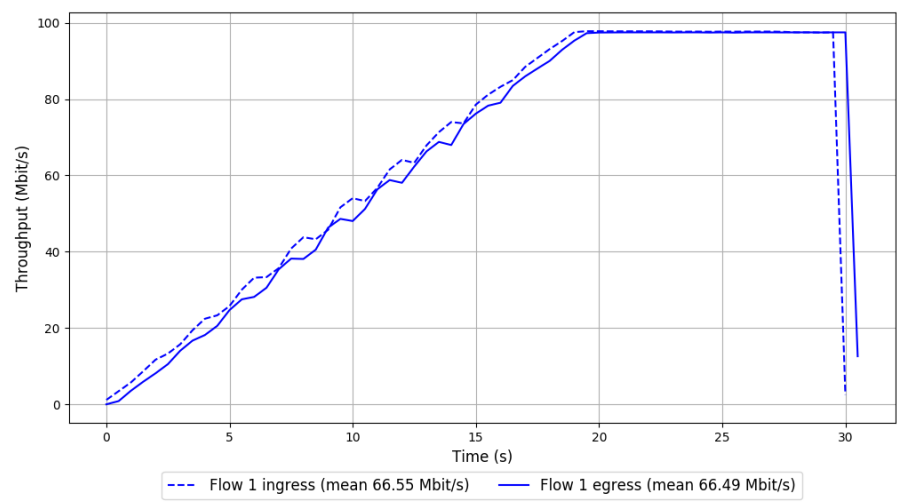
-- Flow 1:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 55.807 ms

Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 09:09:13

End at: 2018-07-17 09:09:43

Local clock offset: -0.083 ms

Remote clock offset: -2.764 ms

Below is generated by plot.py at 2018-07-17 12:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 38.436 ms

Loss rate: 0.63%

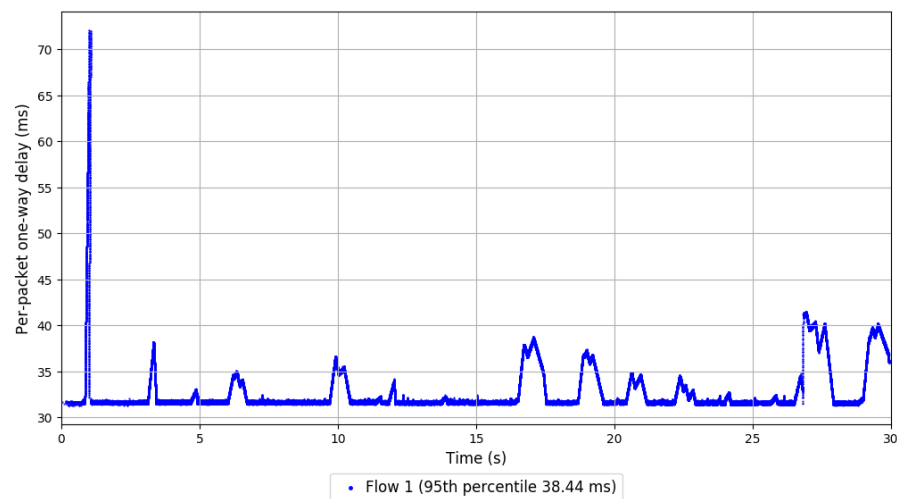
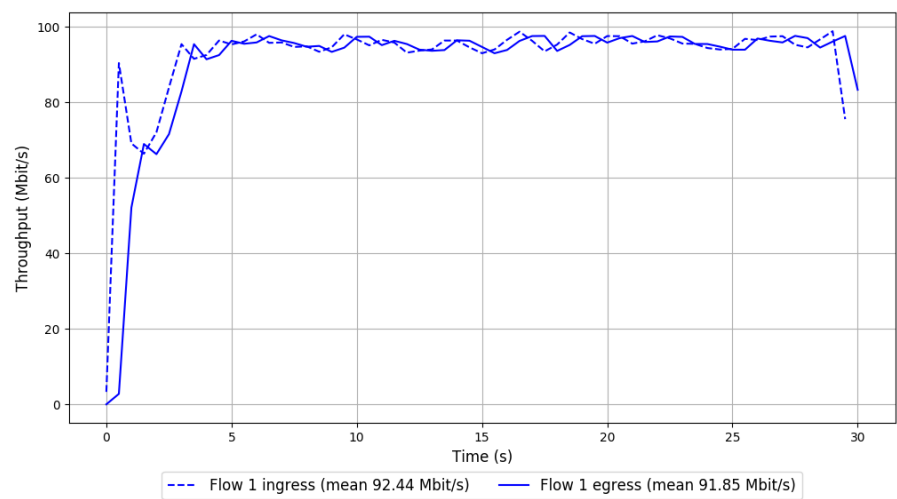
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 38.436 ms

Loss rate: 0.63%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 09:31:24

End at: 2018-07-17 09:31:54

Local clock offset: 0.158 ms

Remote clock offset: 3.282 ms

Below is generated by plot.py at 2018-07-17 12:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 39.222 ms

Loss rate: 0.73%

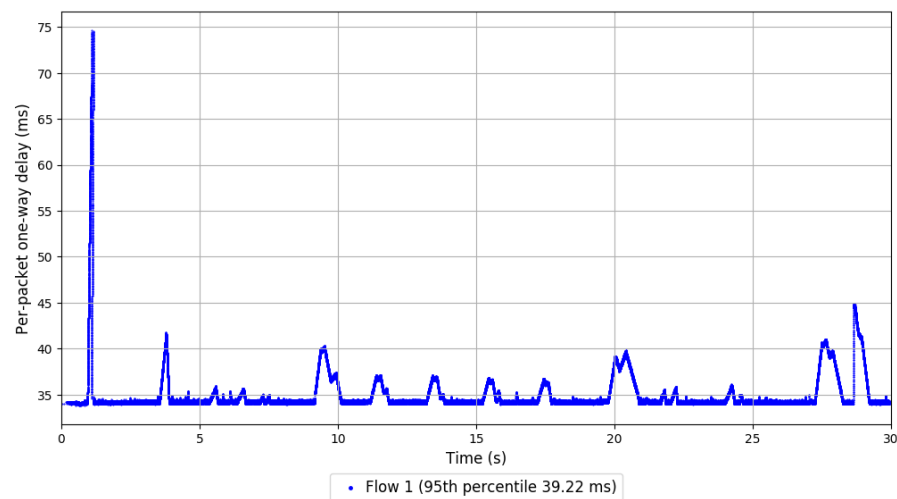
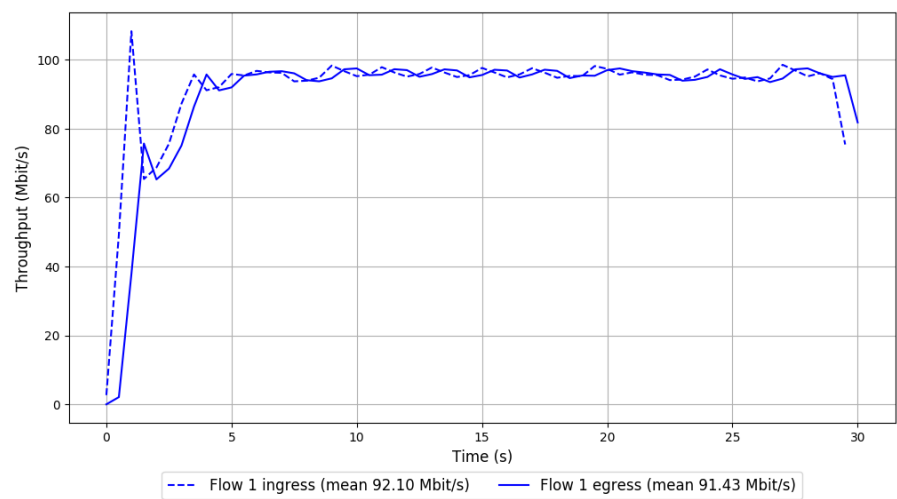
-- Flow 1:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 39.222 ms

Loss rate: 0.73%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 09:53:40

End at: 2018-07-17 09:54:10

Local clock offset: 0.101 ms

Remote clock offset: 3.278 ms

Below is generated by plot.py at 2018-07-17 12:49:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 40.067 ms

Loss rate: 0.74%

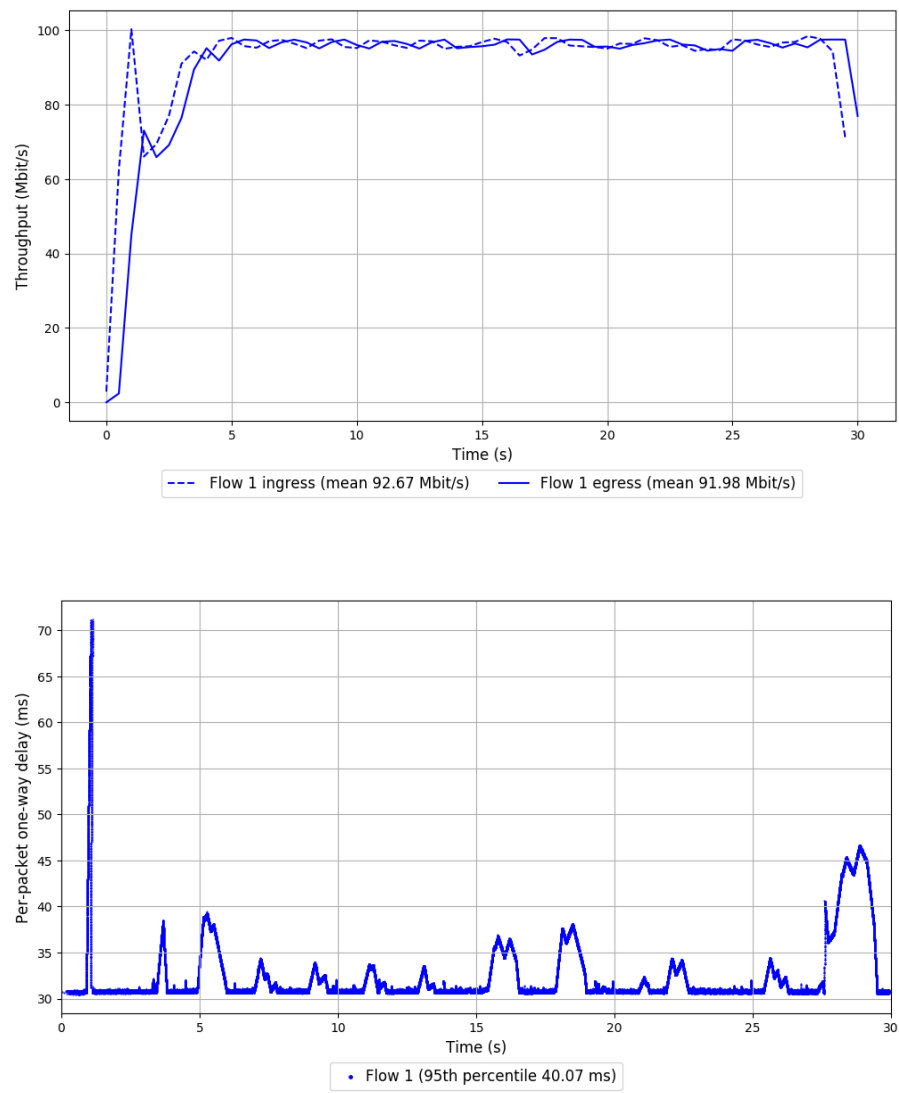
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 40.067 ms

Loss rate: 0.74%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 10:15:59

End at: 2018-07-17 10:16:29

Local clock offset: 0.01 ms

Remote clock offset: -6.085 ms

Below is generated by plot.py at 2018-07-17 12:49:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 36.958 ms

Loss rate: 0.73%

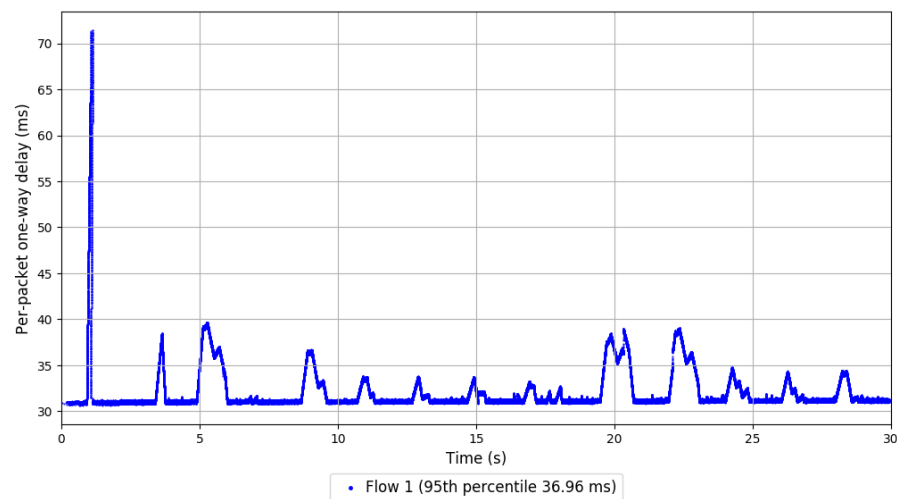
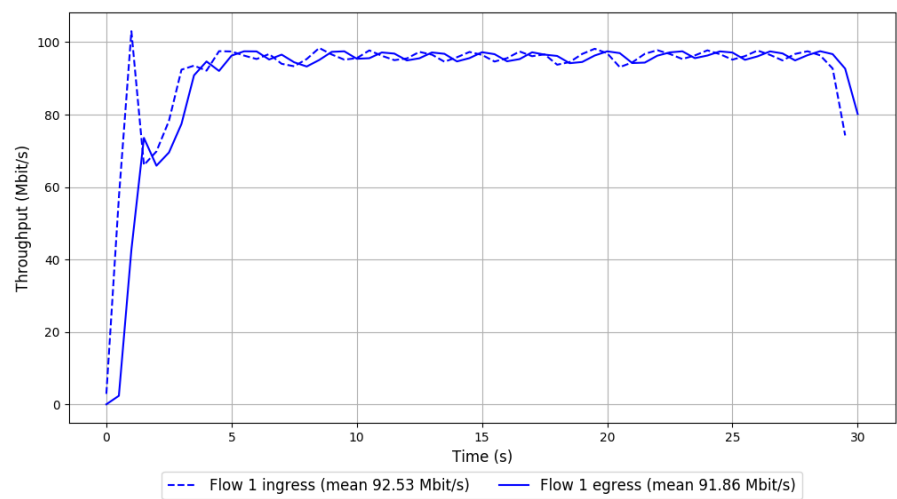
-- Flow 1:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 36.958 ms

Loss rate: 0.73%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 10:38:19

End at: 2018-07-17 10:38:49

Local clock offset: -0.017 ms

Remote clock offset: -11.484 ms

Below is generated by plot.py at 2018-07-17 12:49:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 35.900 ms

Loss rate: 0.61%

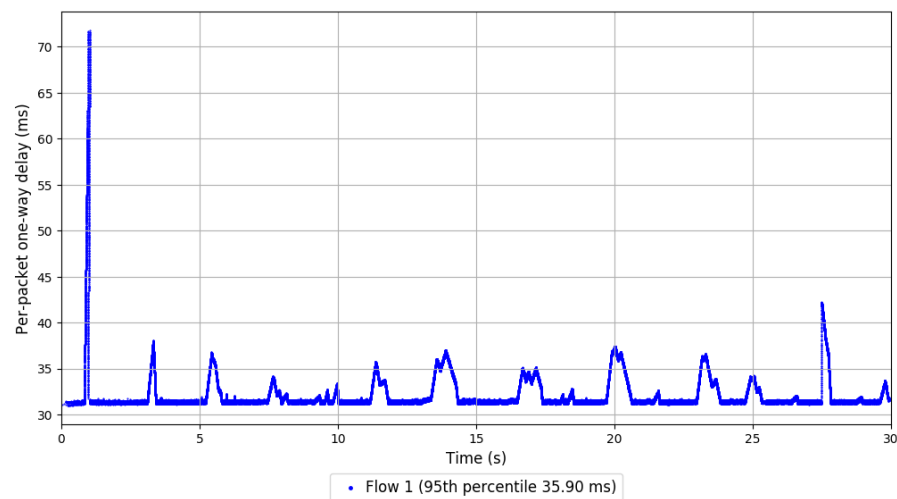
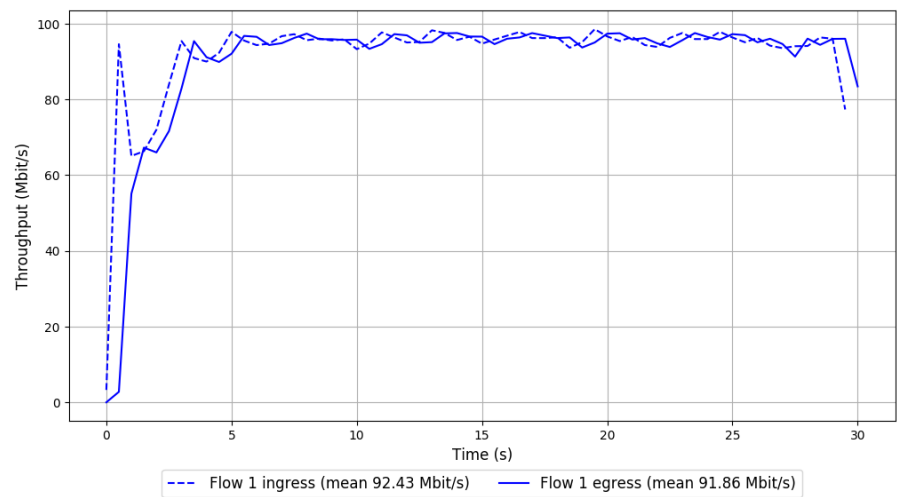
-- Flow 1:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 35.900 ms

Loss rate: 0.61%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 11:00:37

End at: 2018-07-17 11:01:07

Local clock offset: -0.094 ms

Remote clock offset: -13.868 ms

Below is generated by plot.py at 2018-07-17 12:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 36.634 ms

Loss rate: 0.62%

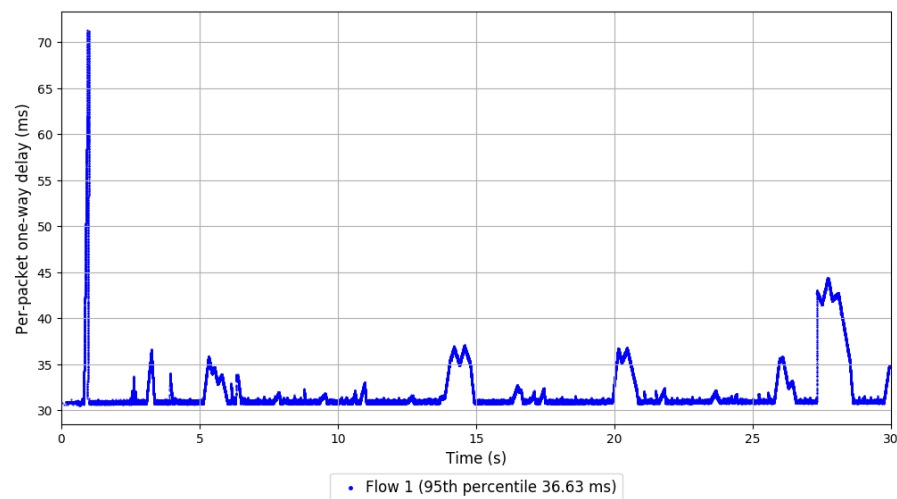
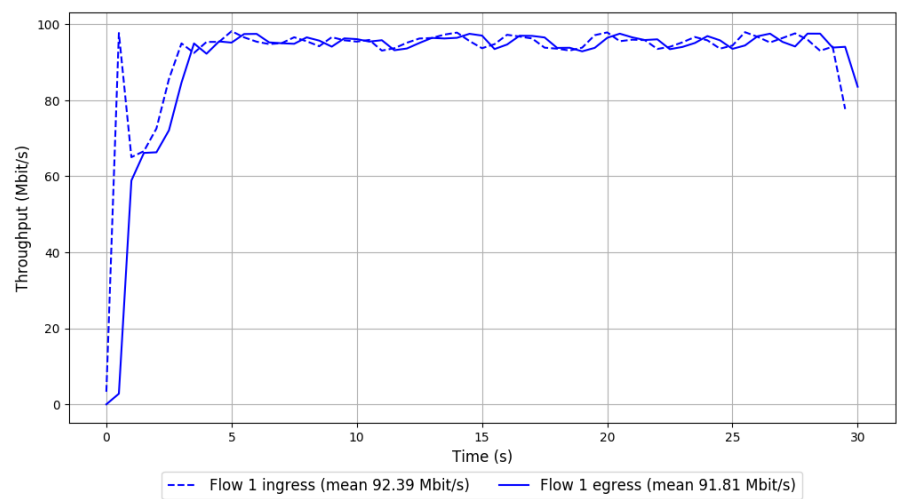
-- Flow 1:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 36.634 ms

Loss rate: 0.62%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 11:22:50

End at: 2018-07-17 11:23:20

Local clock offset: -0.017 ms

Remote clock offset: -11.813 ms

Below is generated by plot.py at 2018-07-17 12:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 37.596 ms

Loss rate: 0.61%

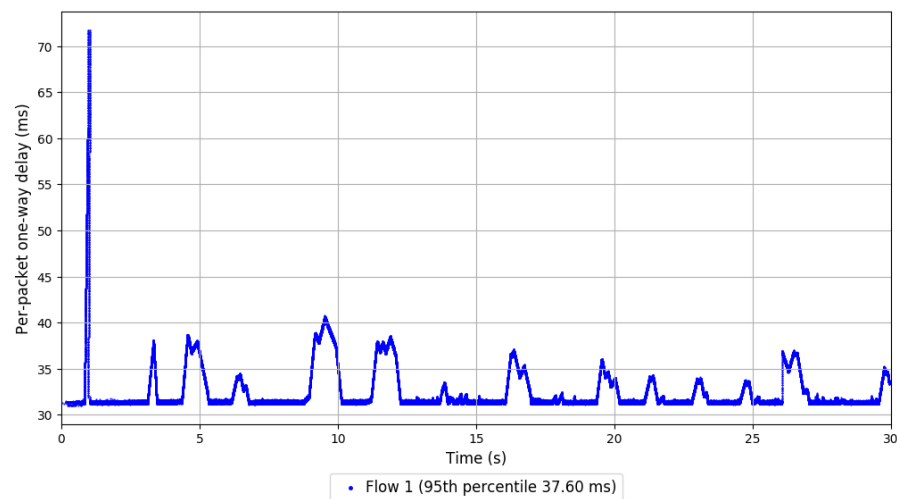
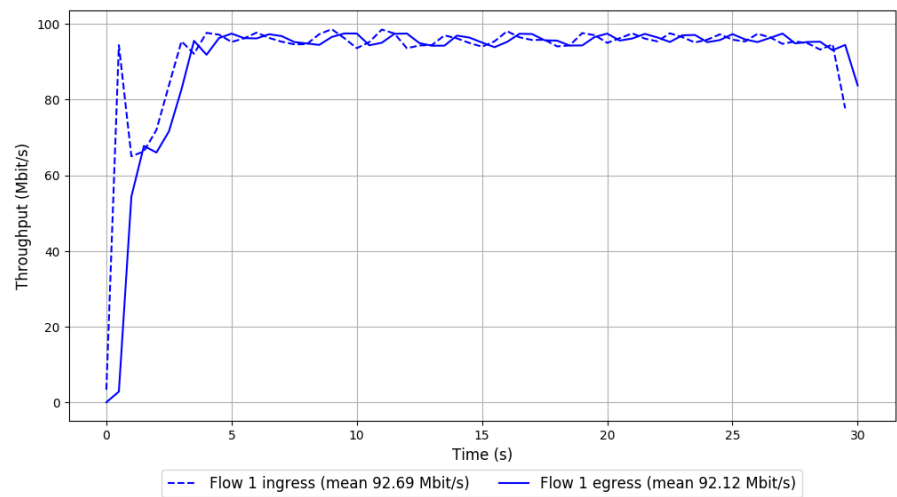
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 37.596 ms

Loss rate: 0.61%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-17 11:45:04

End at: 2018-07-17 11:45:34

Local clock offset: -0.085 ms

Remote clock offset: -10.631 ms

Below is generated by plot.py at 2018-07-17 12:50:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.01 Mbit/s

95th percentile per-packet one-way delay: 35.618 ms

Loss rate: 0.61%

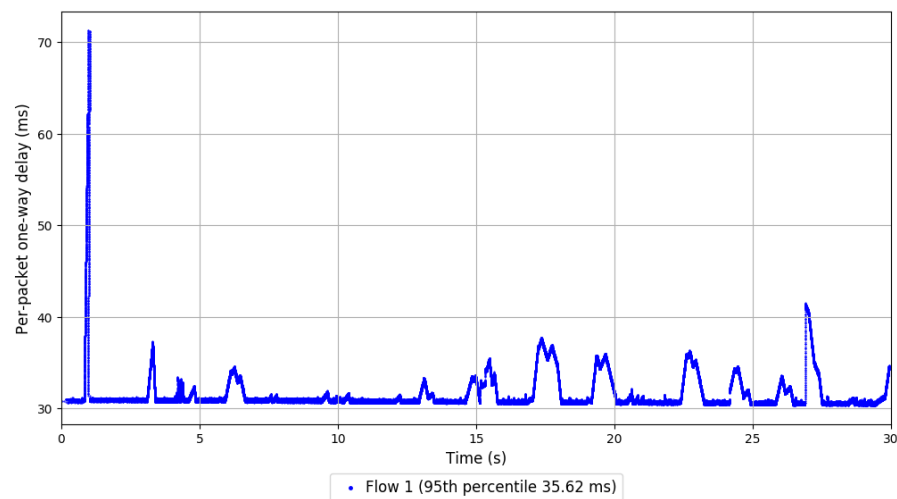
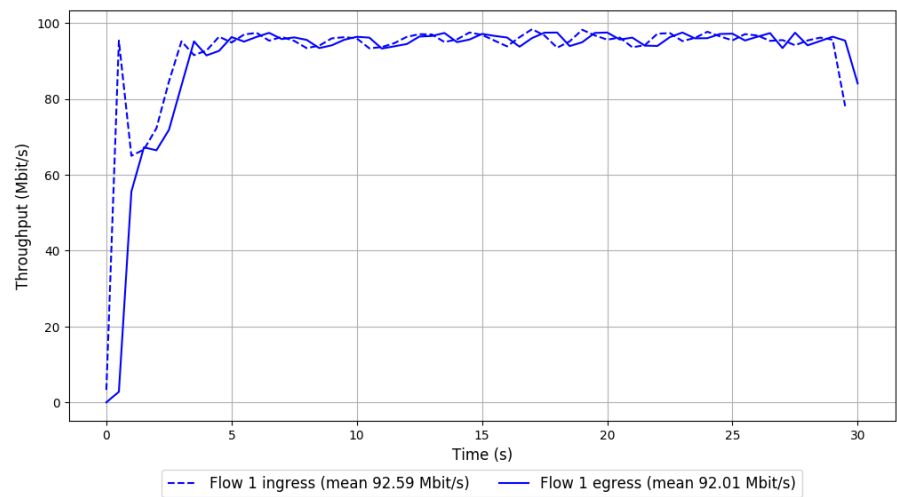
-- Flow 1:

Average throughput: 92.01 Mbit/s

95th percentile per-packet one-way delay: 35.618 ms

Loss rate: 0.61%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 12:07:24

End at: 2018-07-17 12:07:54

Local clock offset: -0.032 ms

Remote clock offset: -1.627 ms

Below is generated by plot.py at 2018-07-17 12:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 35.554 ms

Loss rate: 0.62%

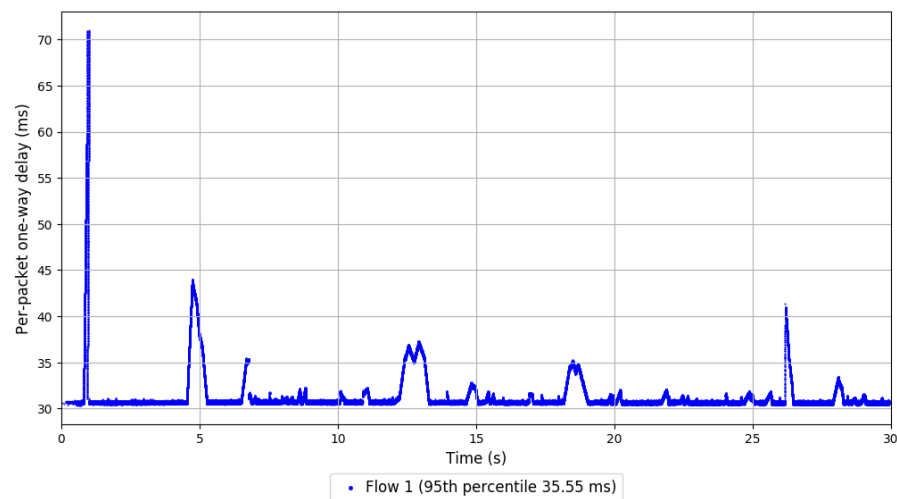
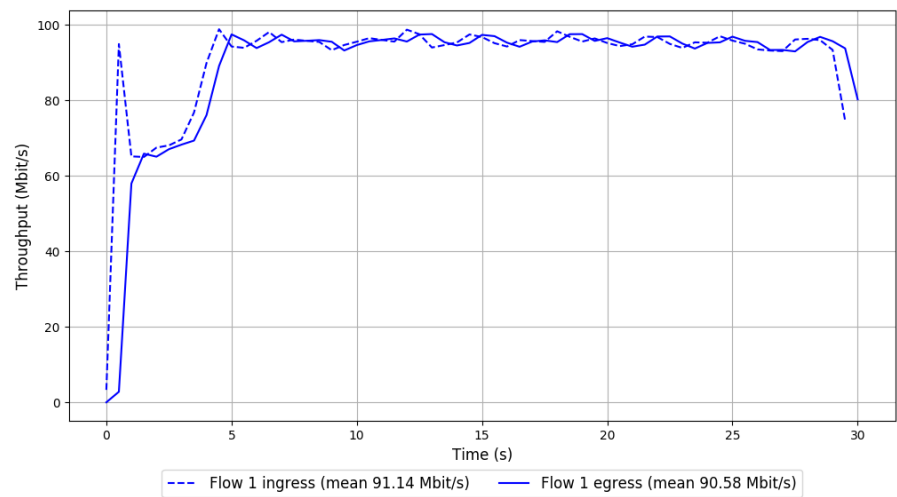
-- Flow 1:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 35.554 ms

Loss rate: 0.62%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 12:29:41

End at: 2018-07-17 12:30:11

Local clock offset: 0.132 ms

Remote clock offset: 3.864 ms

Below is generated by plot.py at 2018-07-17 12:50:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.36 Mbit/s

95th percentile per-packet one-way delay: 41.139 ms

Loss rate: 0.63%

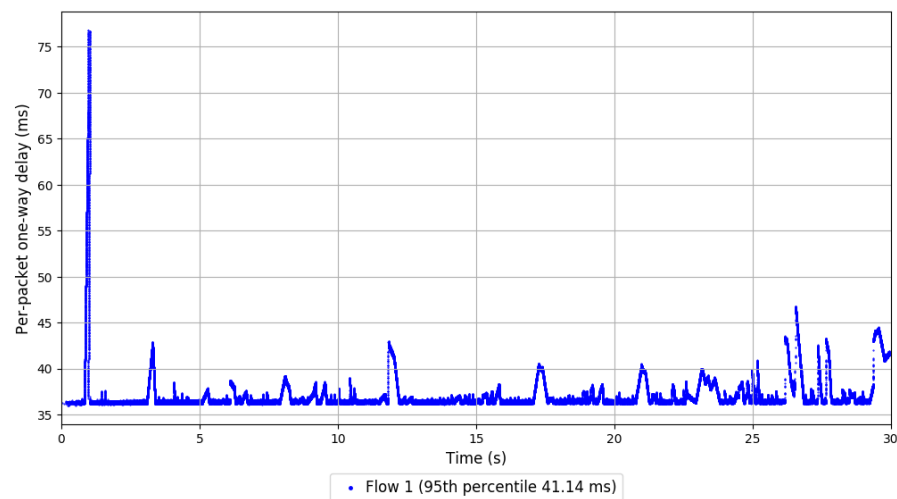
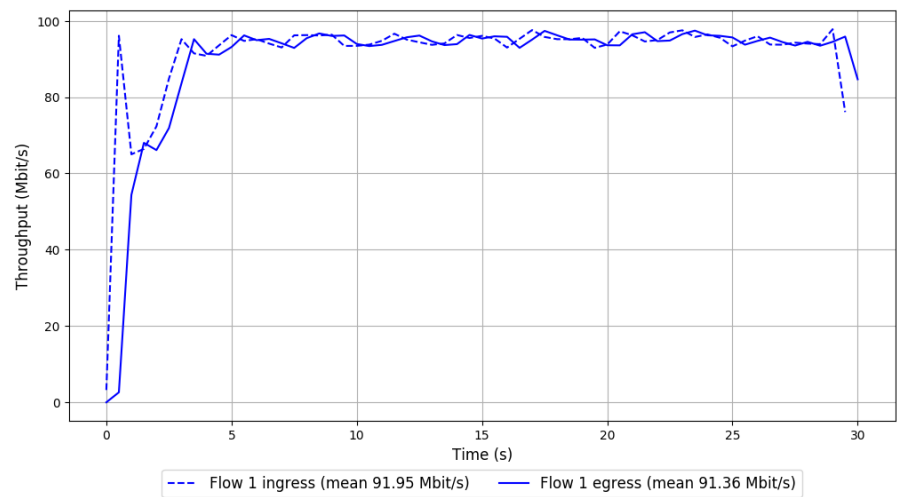
-- Flow 1:

Average throughput: 91.36 Mbit/s

95th percentile per-packet one-way delay: 41.139 ms

Loss rate: 0.63%

Run 10: Report of PCC-Allegro — Data Link

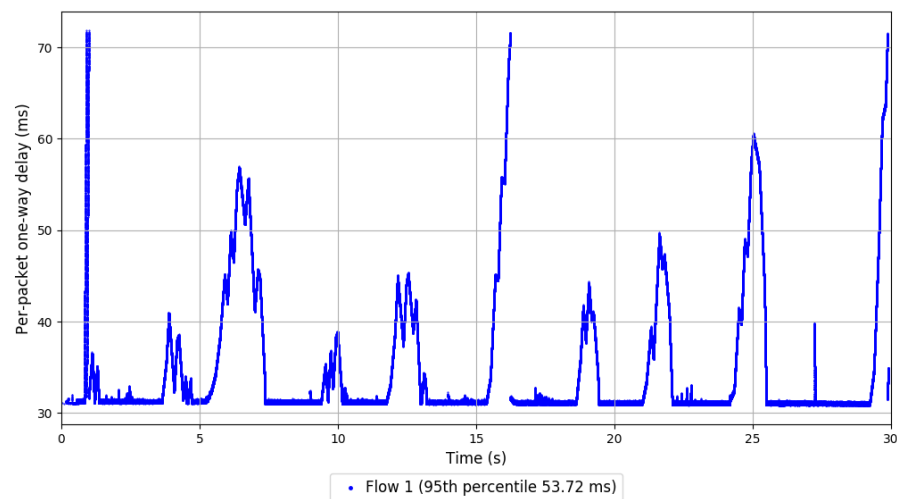
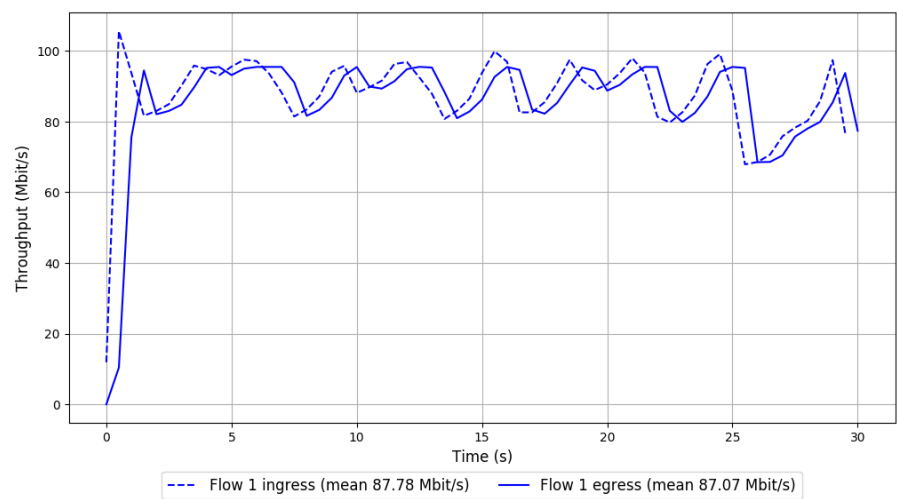


Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 09:00:01
End at: 2018-07-17 09:00:31
Local clock offset: -0.08 ms
Remote clock offset: -6.473 ms

Below is generated by plot.py at 2018-07-17 12:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 53.722 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 53.722 ms
Loss rate: 0.79%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 09:22:11

End at: 2018-07-17 09:22:41

Local clock offset: 0.013 ms

Remote clock offset: 2.109 ms

Below is generated by plot.py at 2018-07-17 12:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 64.677 ms

Loss rate: 1.31%

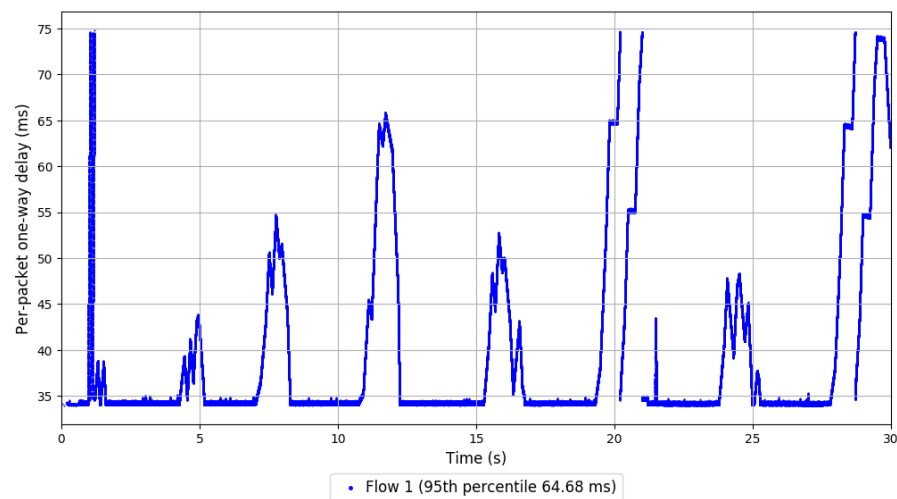
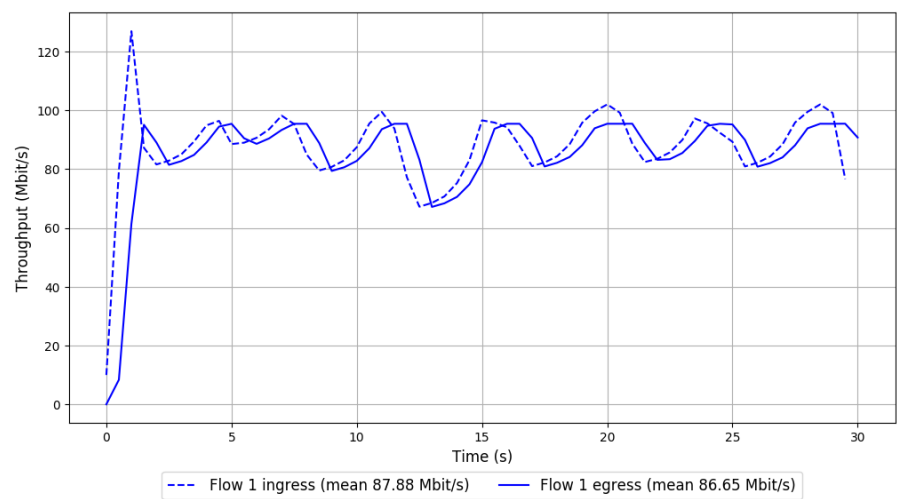
-- Flow 1:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 64.677 ms

Loss rate: 1.31%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 09:44:26

End at: 2018-07-17 09:44:56

Local clock offset: 0.141 ms

Remote clock offset: 2.449 ms

Below is generated by plot.py at 2018-07-17 12:51:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 55.794 ms

Loss rate: 0.80%

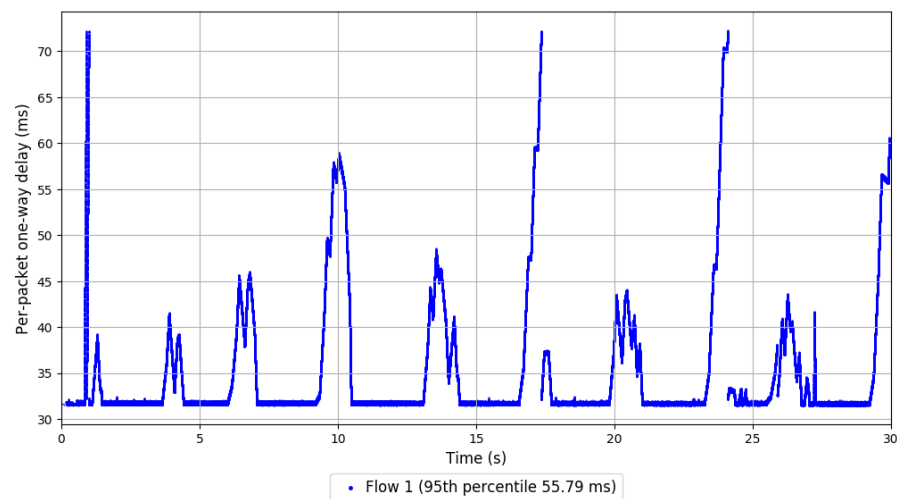
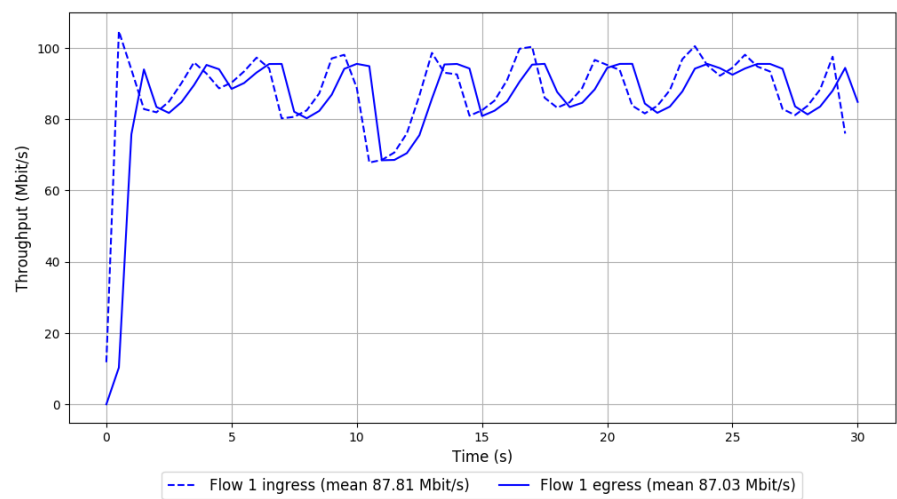
-- Flow 1:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 55.794 ms

Loss rate: 0.80%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 10:06:45

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

Local clock offset: 0.126 ms

Remote clock offset: 2.285 ms

Below is generated by plot.py at 2018-07-17 12:51:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 62.272 ms

Loss rate: 0.86%

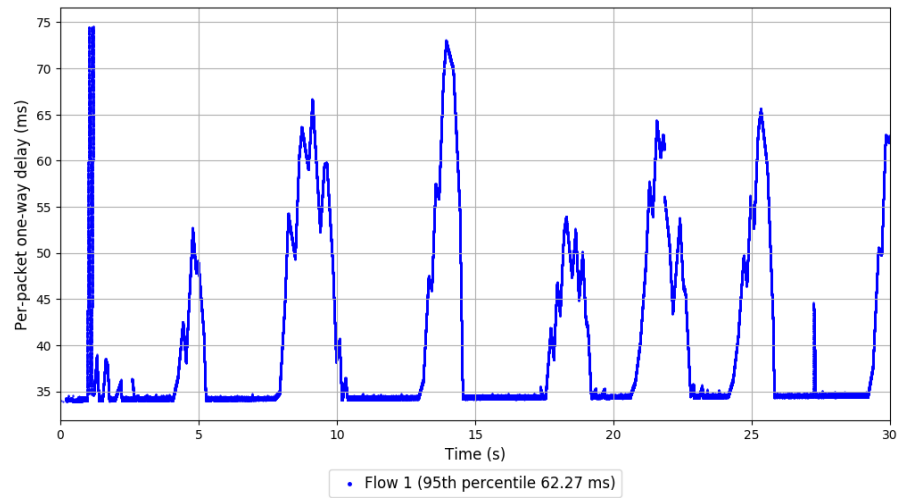
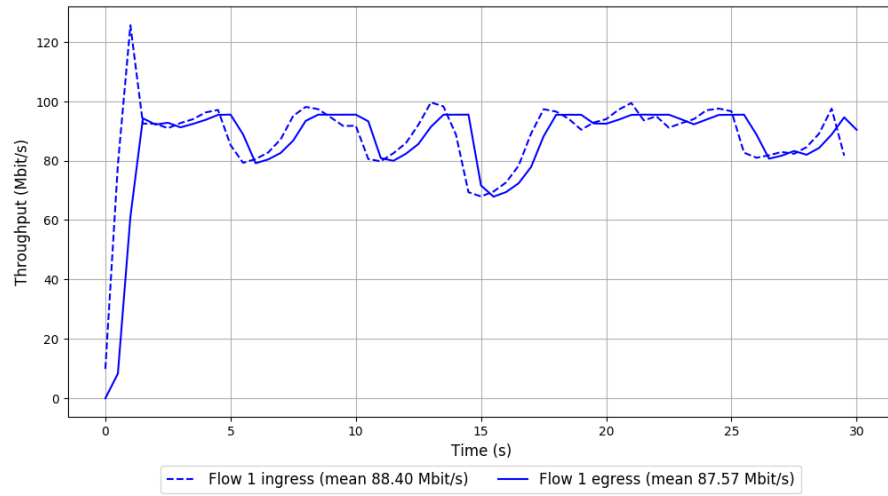
-- Flow 1:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 62.272 ms

Loss rate: 0.86%

Run 4: Report of PCC-Expr — Data Link

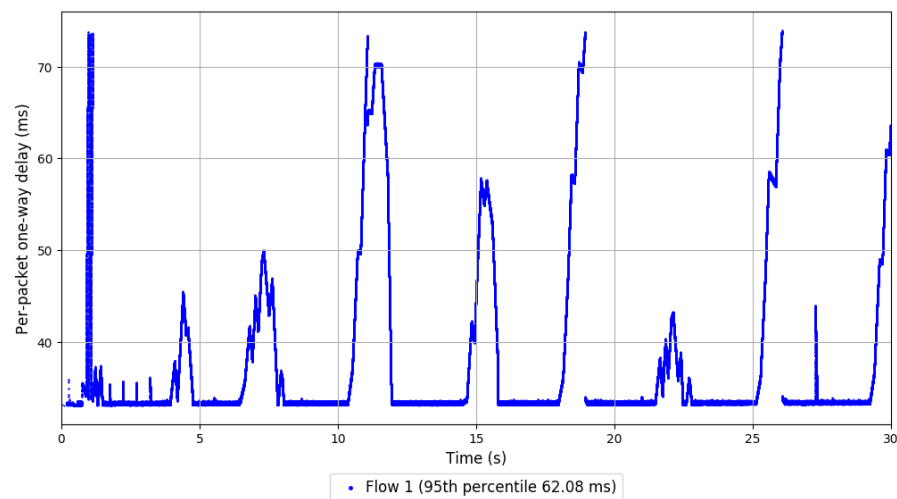
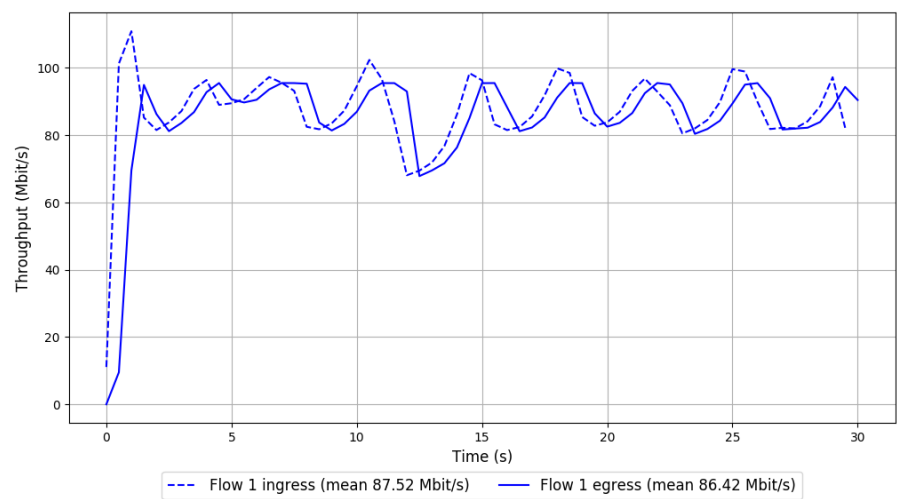


Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 10:29:04
End at: 2018-07-17 10:29:34
Local clock offset: 0.018 ms
Remote clock offset: -7.302 ms

Below is generated by plot.py at 2018-07-17 12:51:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 62.075 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 62.075 ms
Loss rate: 1.17%

Run 5: Report of PCC-Expr — Data Link

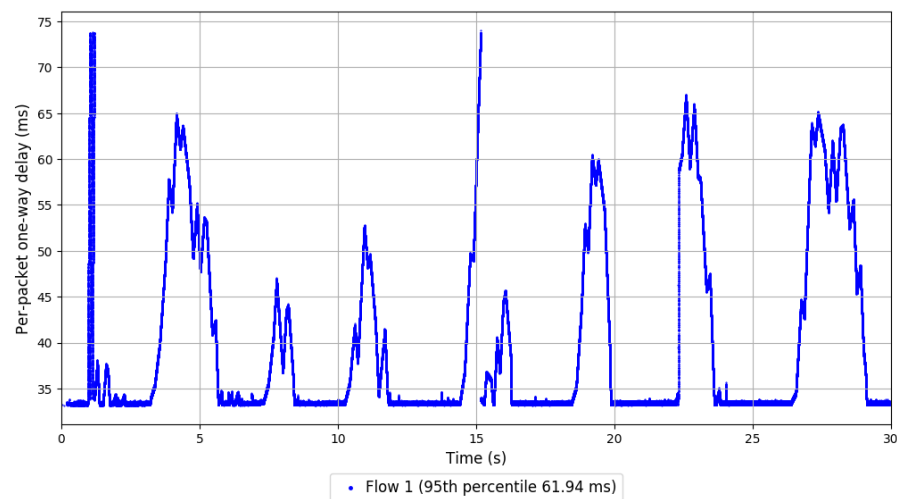
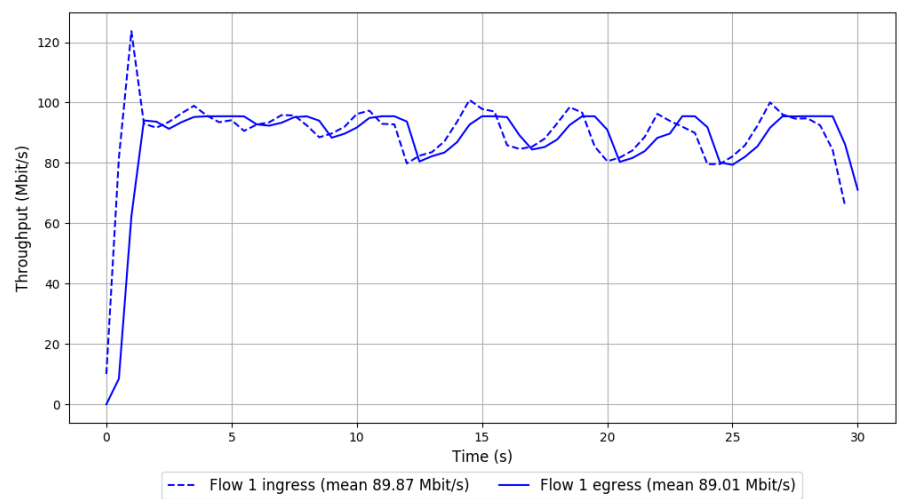


Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 10:51:23
End at: 2018-07-17 10:51:53
Local clock offset: -0.112 ms
Remote clock offset: -10.239 ms

Below is generated by plot.py at 2018-07-17 12:52:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 61.938 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 61.938 ms
Loss rate: 0.96%

Run 6: Report of PCC-Expr — Data Link

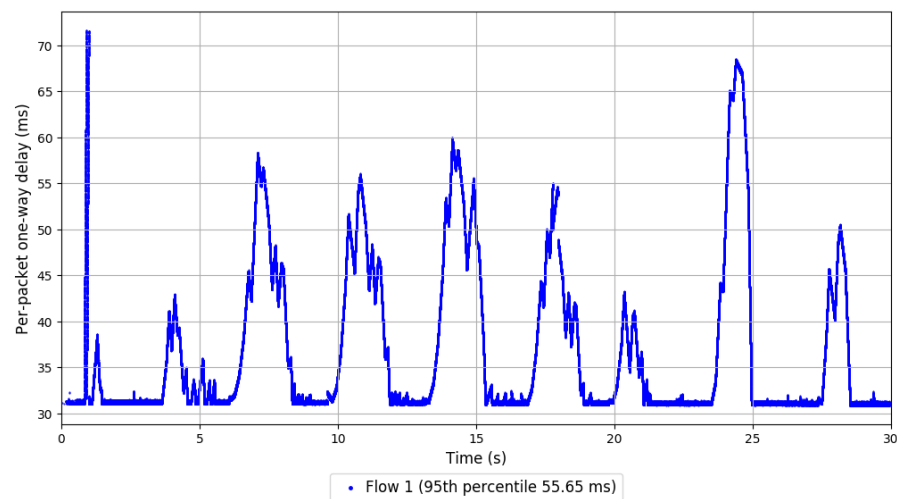
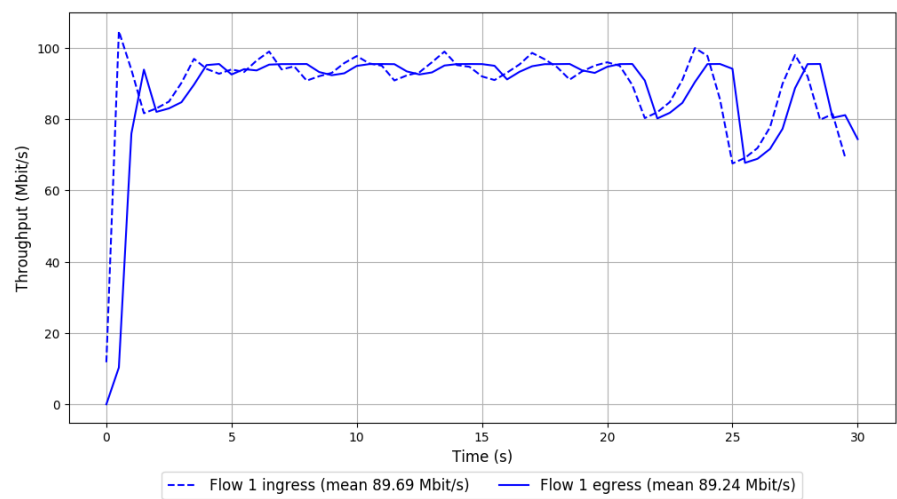


Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 11:13:39
End at: 2018-07-17 11:14:09
Local clock offset: -0.016 ms
Remote clock offset: -14.054 ms

Below is generated by plot.py at 2018-07-17 12:52:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 55.645 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 55.645 ms
Loss rate: 0.49%

Run 7: Report of PCC-Expr — Data Link

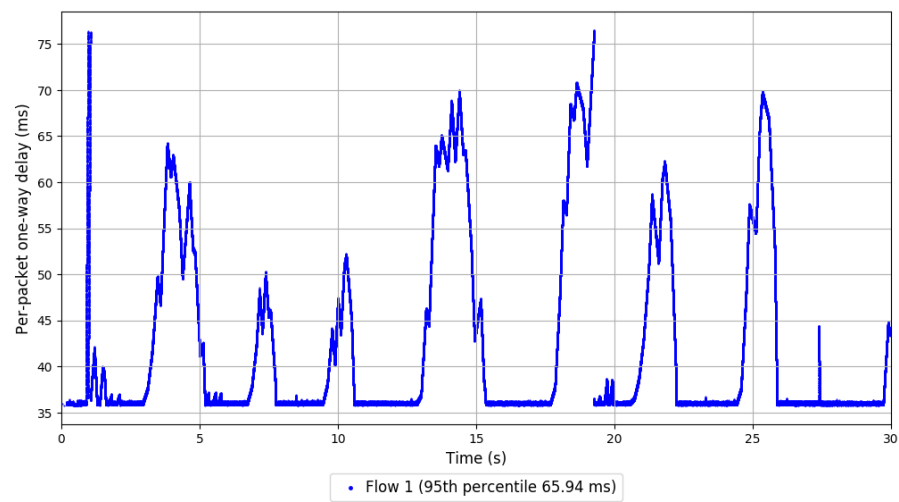
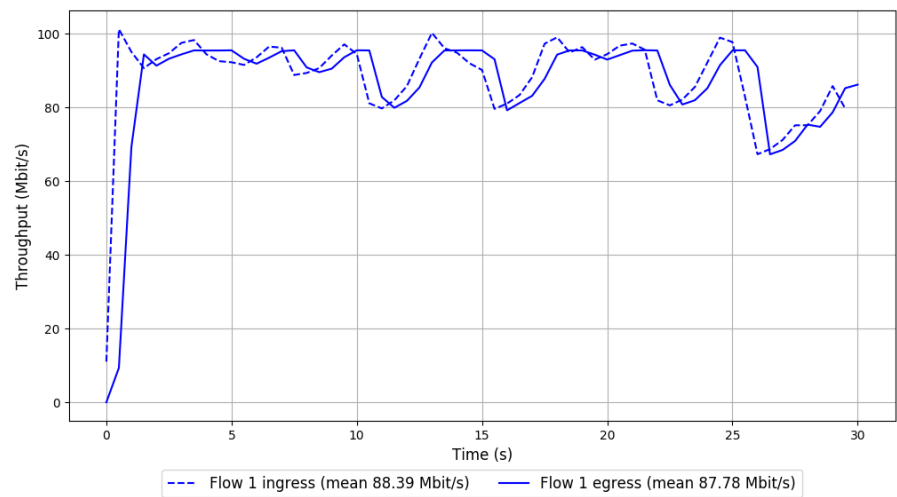


Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 11:35:51
End at: 2018-07-17 11:36:21
Local clock offset: 0.035 ms
Remote clock offset: -5.798 ms

Below is generated by plot.py at 2018-07-17 12:52:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 65.942 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 65.942 ms
Loss rate: 0.66%

Run 8: Report of PCC-Expr — Data Link

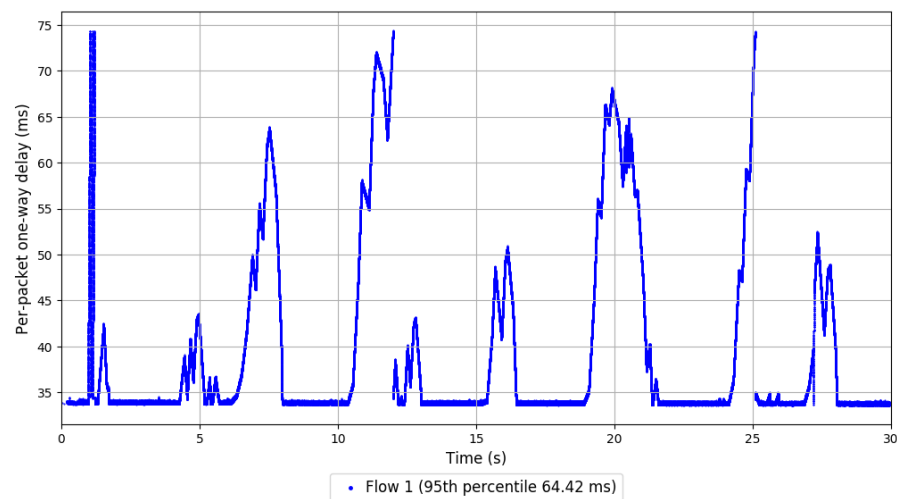
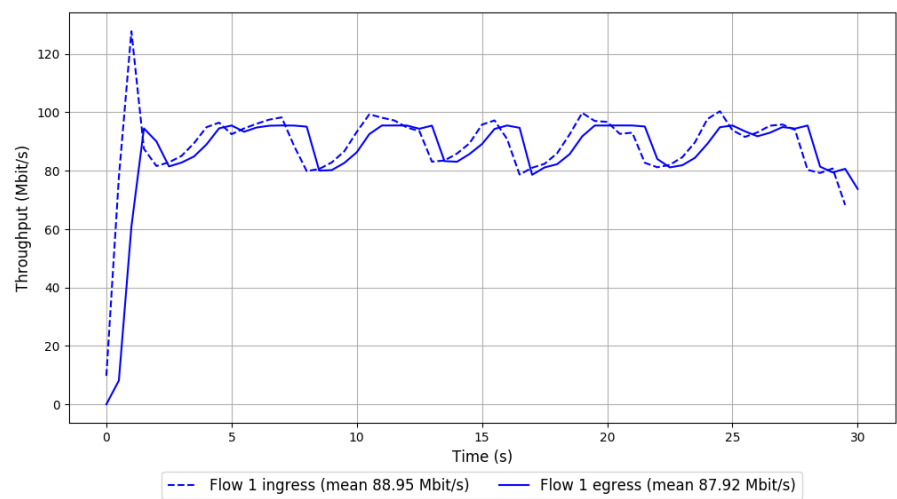


Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 11:58:09
End at: 2018-07-17 11:58:39
Local clock offset: -0.075 ms
Remote clock offset: -1.219 ms

Below is generated by plot.py at 2018-07-17 12:53:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 64.420 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 64.420 ms
Loss rate: 1.16%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 12:20:28

End at: 2018-07-17 12:20:59

Local clock offset: -0.006 ms

Remote clock offset: 2.34 ms

Below is generated by plot.py at 2018-07-17 12:53:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 62.248 ms

Loss rate: 1.04%

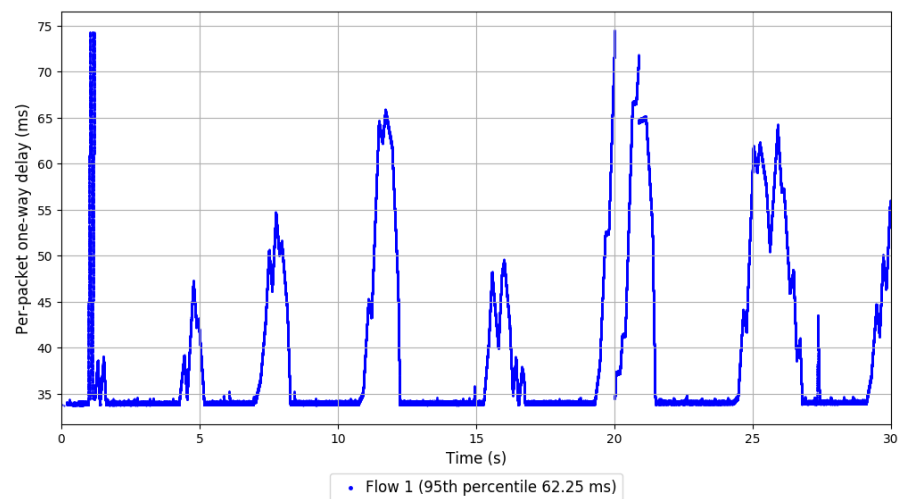
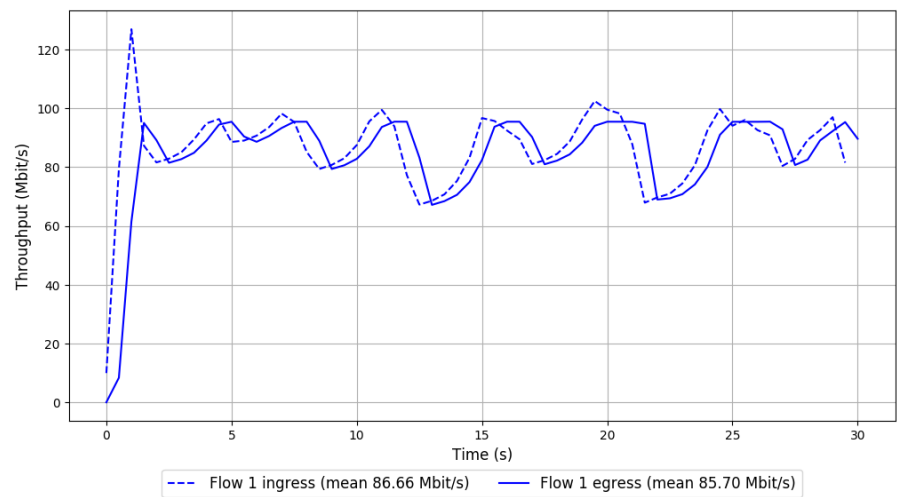
-- Flow 1:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 62.248 ms

Loss rate: 1.04%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

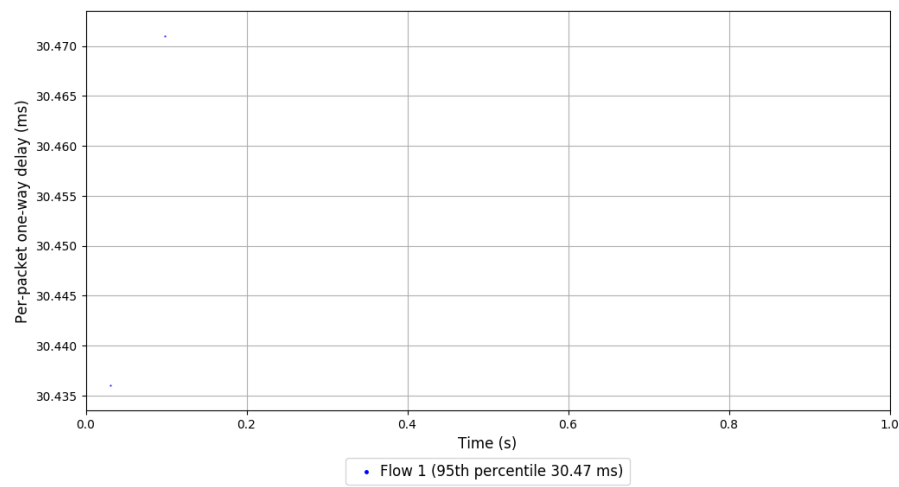
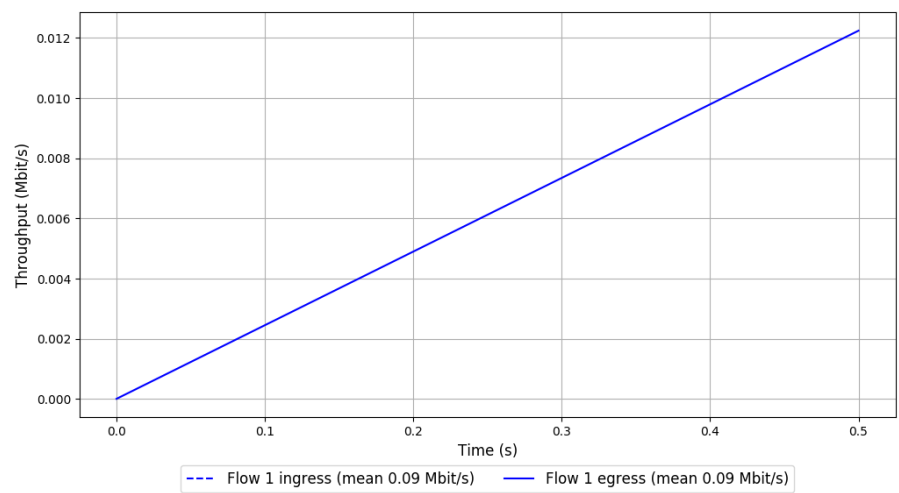
Start at: 2018-07-17 09:11:51

End at: 2018-07-17 09:12:21

Local clock offset: -0.087 ms

Remote clock offset: -2.438 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 09:34:02

End at: 2018-07-17 09:34:32

Local clock offset: 0.152 ms

Remote clock offset: 3.618 ms

Below is generated by plot.py at 2018-07-17 12:53:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 67.633 ms

Loss rate: 3.04%

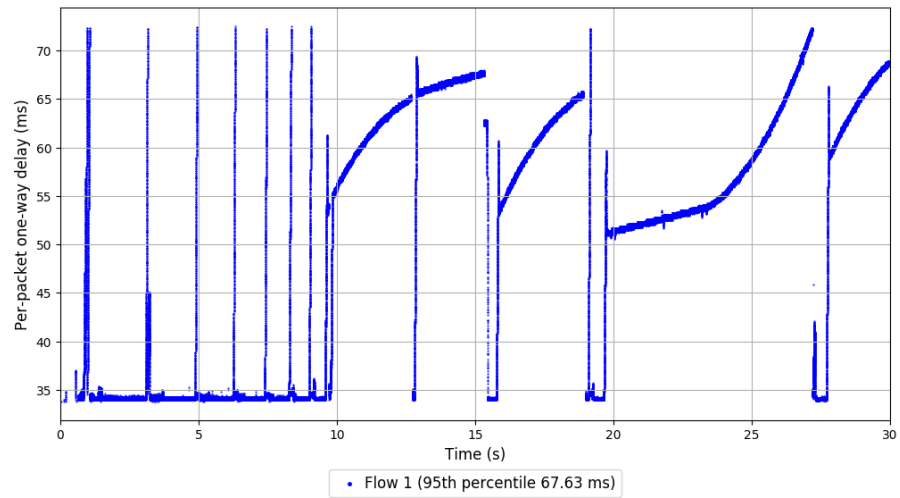
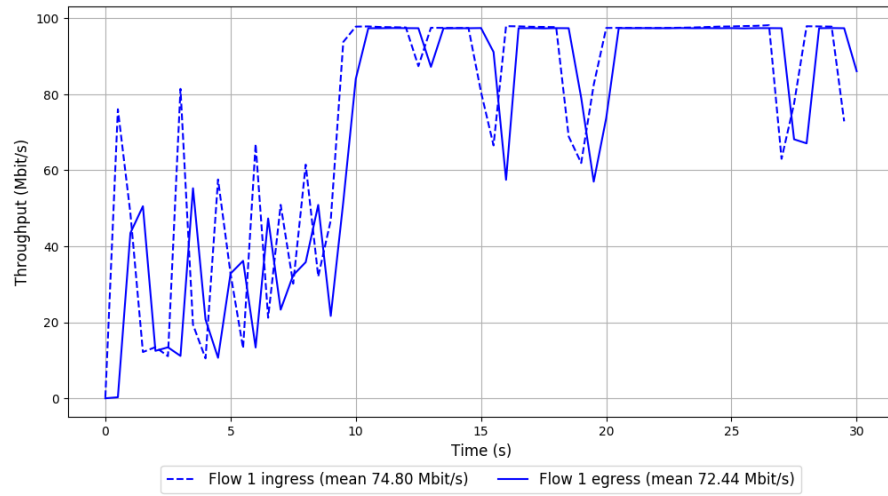
-- Flow 1:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 67.633 ms

Loss rate: 3.04%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 09:56:18

End at: 2018-07-17 09:56:48

Local clock offset: 0.157 ms

Remote clock offset: 6.351 ms

Below is generated by plot.py at 2018-07-17 12:53:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.71 Mbit/s

95th percentile per-packet one-way delay: 70.612 ms

Loss rate: 1.18%

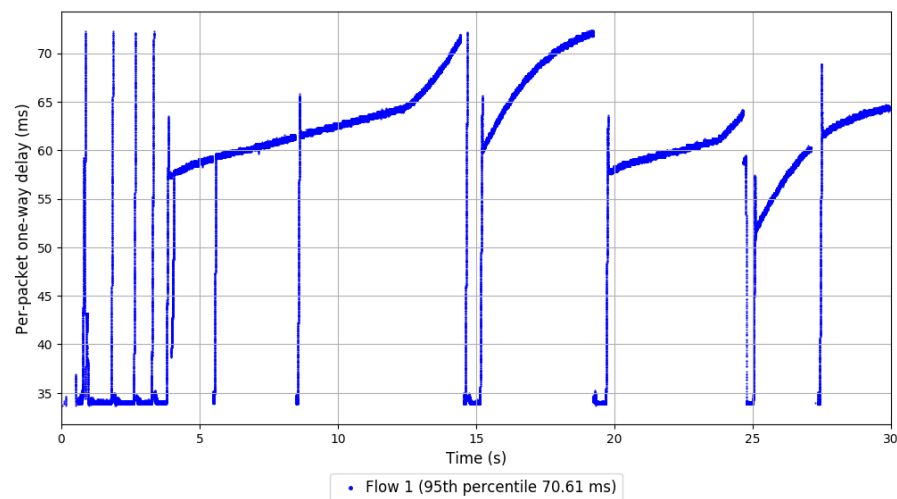
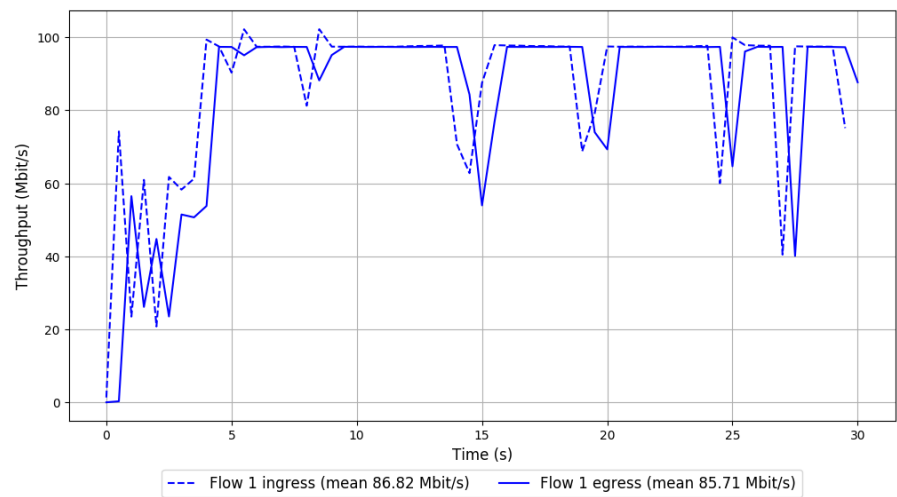
-- Flow 1:

Average throughput: 85.71 Mbit/s

95th percentile per-packet one-way delay: 70.612 ms

Loss rate: 1.18%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 10:18:38

End at: 2018-07-17 10:19:08

Local clock offset: 0.102 ms

Remote clock offset: -6.787 ms

Below is generated by plot.py at 2018-07-17 12:53:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.93 Mbit/s

95th percentile per-packet one-way delay: 66.982 ms

Loss rate: 1.68%

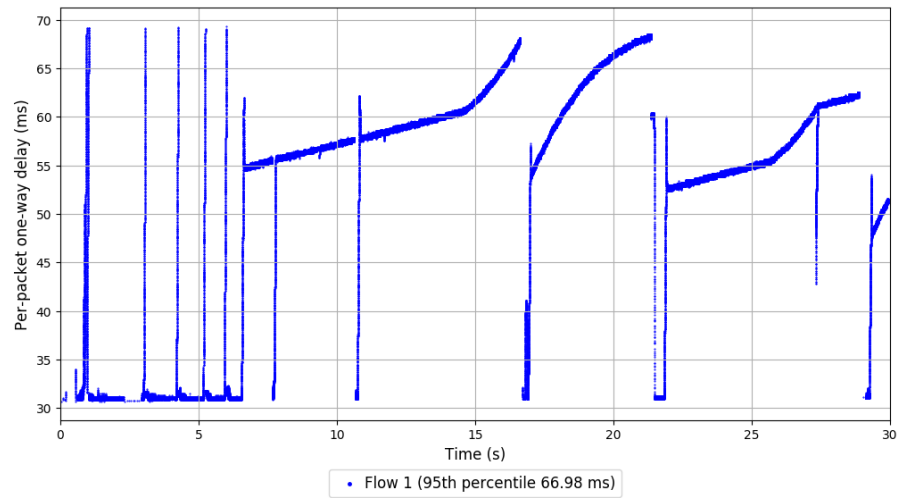
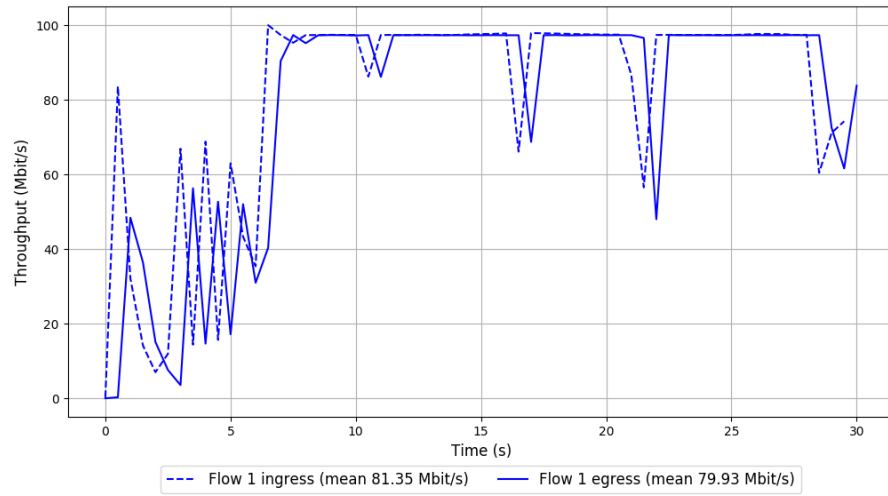
-- Flow 1:

Average throughput: 79.93 Mbit/s

95th percentile per-packet one-way delay: 66.982 ms

Loss rate: 1.68%

Run 4: Report of QUIC Cubic — Data Link

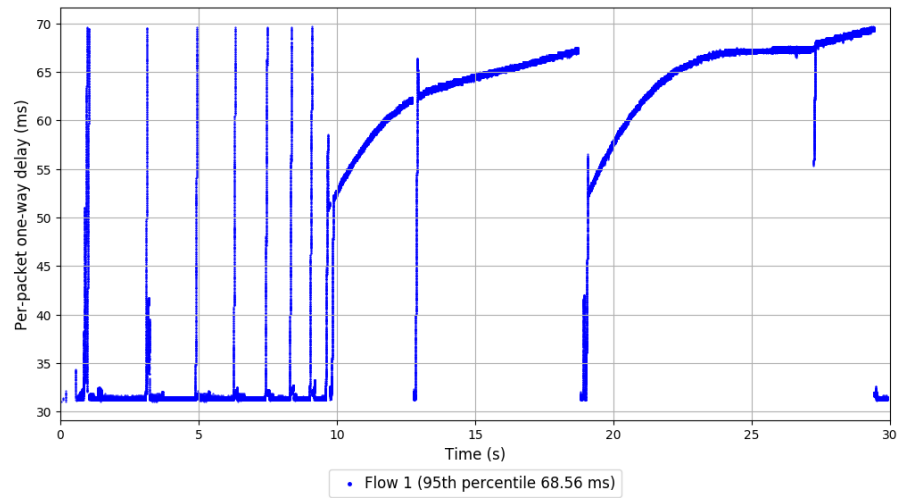
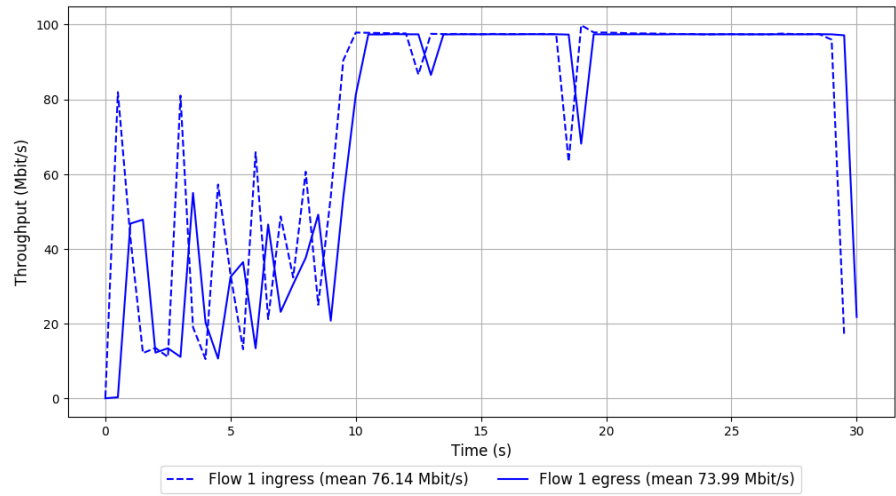


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 10:40:57
End at: 2018-07-17 10:41:27
Local clock offset: -0.128 ms
Remote clock offset: -11.579 ms

Below is generated by plot.py at 2018-07-17 12:53:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 68.556 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 68.556 ms
Loss rate: 2.82%

Run 5: Report of QUIC Cubic — Data Link

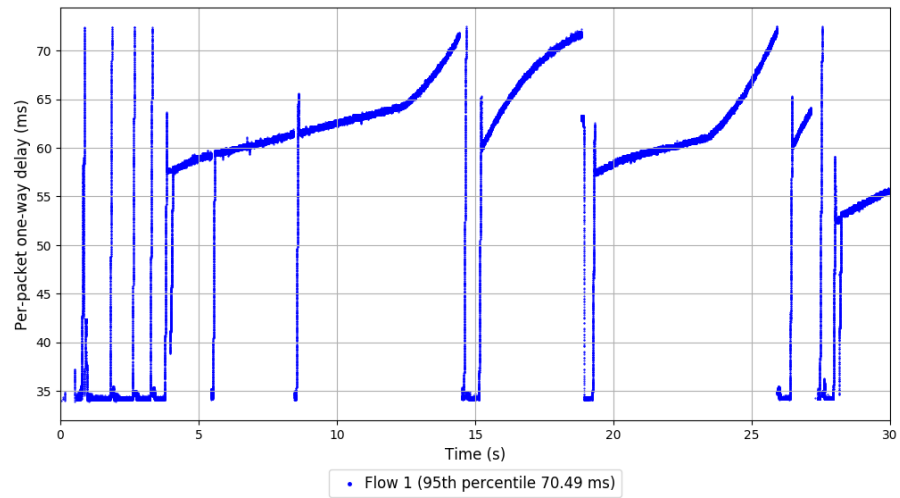
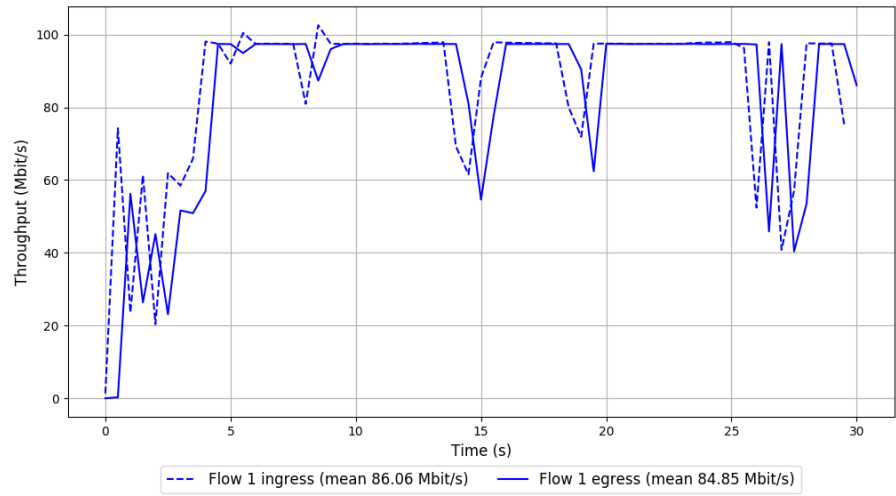


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 11:03:15
End at: 2018-07-17 11:03:45
Local clock offset: -0.104 ms
Remote clock offset: -11.421 ms

Below is generated by plot.py at 2018-07-17 12:54:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 70.487 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 70.487 ms
Loss rate: 1.33%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 11:25:28

End at: 2018-07-17 11:25:58

Local clock offset: 0.017 ms

Remote clock offset: -9.092 ms

Below is generated by plot.py at 2018-07-17 12:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.65 Mbit/s

95th percentile per-packet one-way delay: 65.611 ms

Loss rate: 1.75%

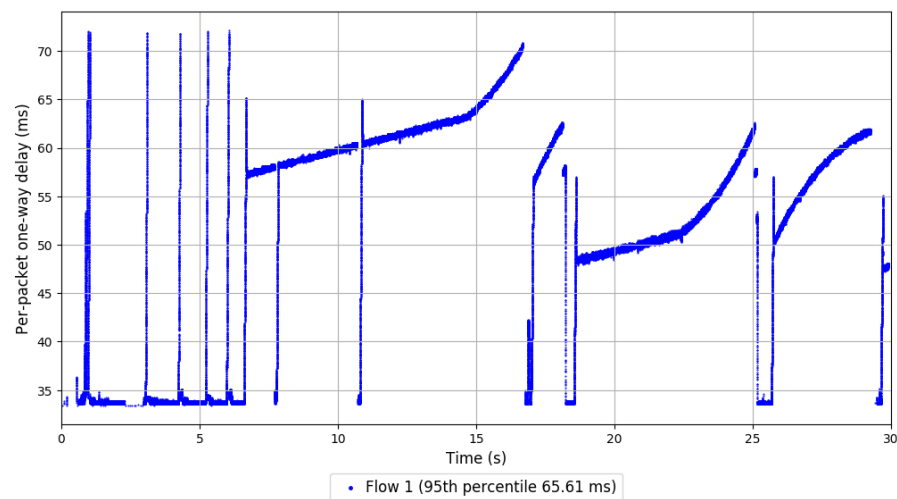
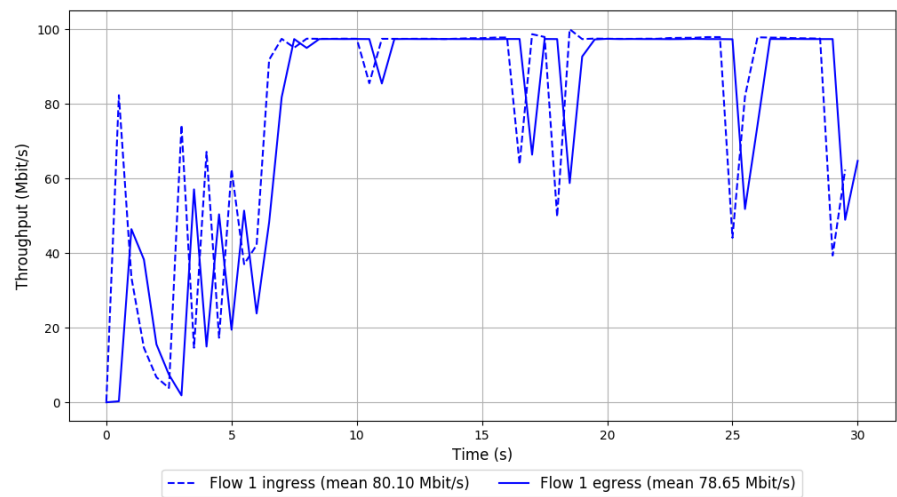
-- Flow 1:

Average throughput: 78.65 Mbit/s

95th percentile per-packet one-way delay: 65.611 ms

Loss rate: 1.75%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 11:47:42

End at: 2018-07-17 11:48:12

Local clock offset: -0.013 ms

Remote clock offset: -8.47 ms

Below is generated by plot.py at 2018-07-17 12:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.16 Mbit/s

95th percentile per-packet one-way delay: 64.088 ms

Loss rate: 2.96%

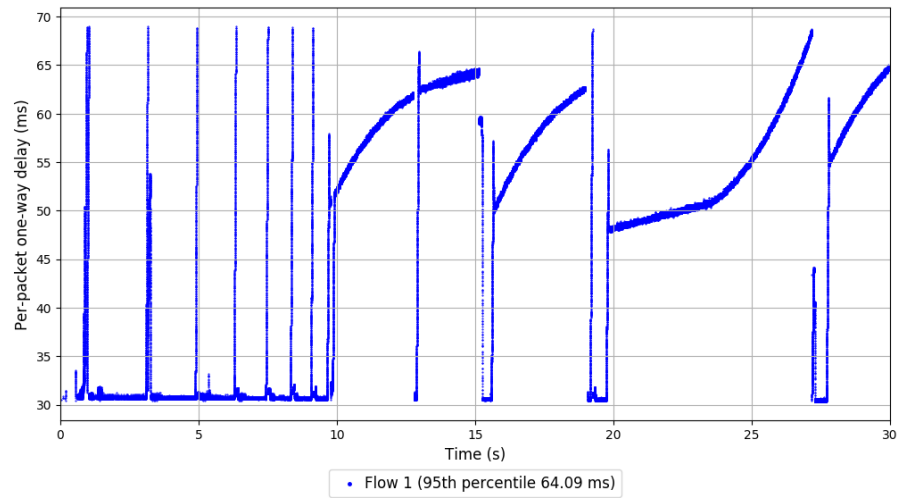
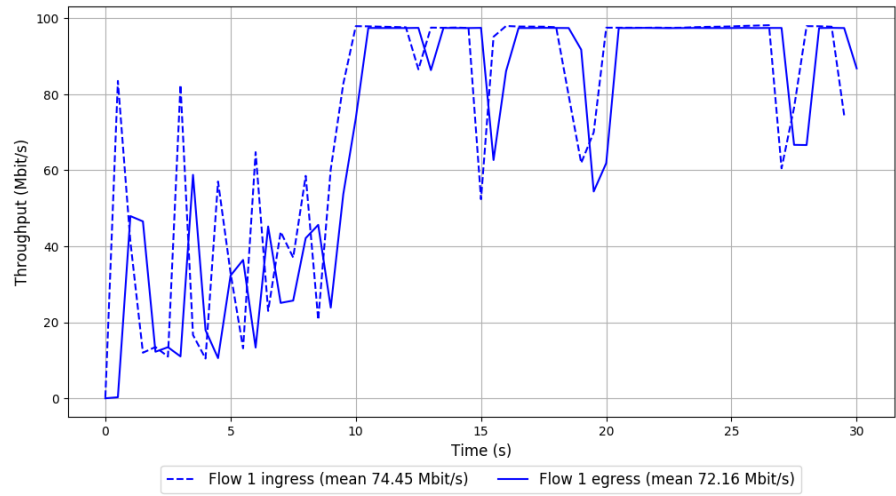
-- Flow 1:

Average throughput: 72.16 Mbit/s

95th percentile per-packet one-way delay: 64.088 ms

Loss rate: 2.96%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 12:10:02

End at: 2018-07-17 12:10:32

Local clock offset: -0.054 ms

Remote clock offset: 1.322 ms

Below is generated by plot.py at 2018-07-17 12:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.97 Mbit/s

95th percentile per-packet one-way delay: 68.908 ms

Loss rate: 1.67%

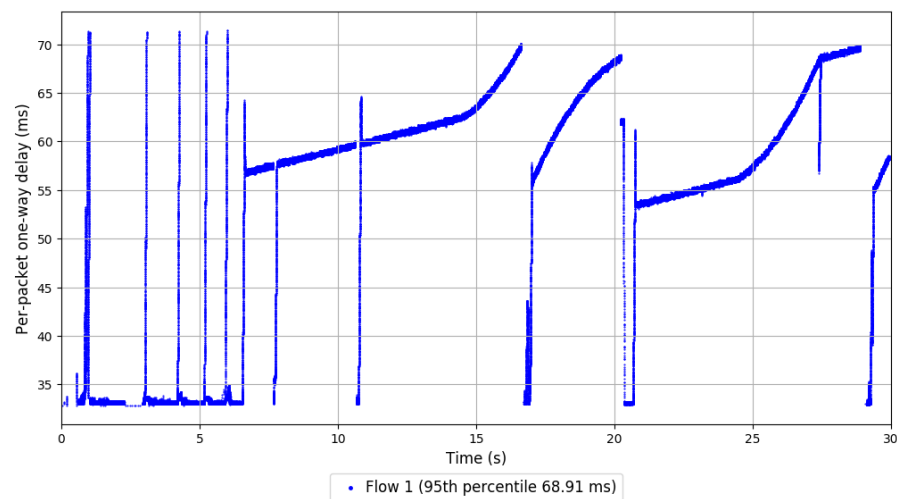
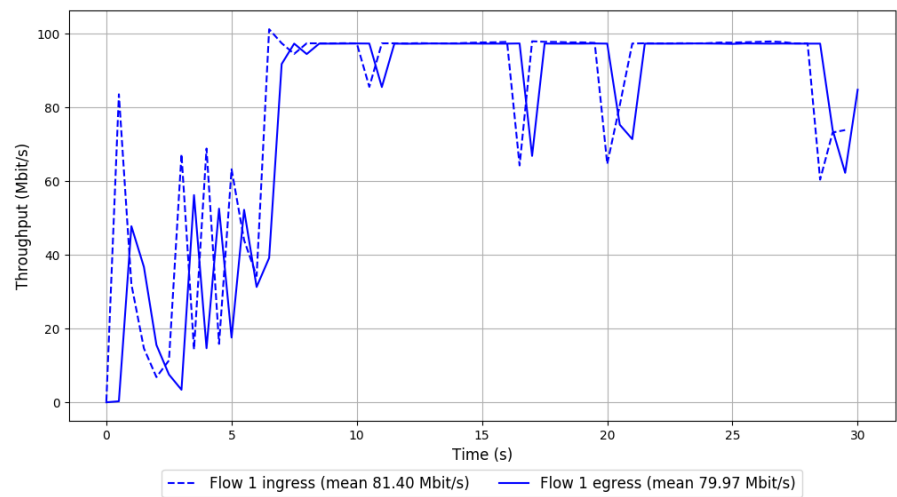
-- Flow 1:

Average throughput: 79.97 Mbit/s

95th percentile per-packet one-way delay: 68.908 ms

Loss rate: 1.67%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 12:32:20

End at: 2018-07-17 12:32:50

Local clock offset: 0.17 ms

Remote clock offset: 1.333 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 69.530 ms

Loss rate: 1.10%

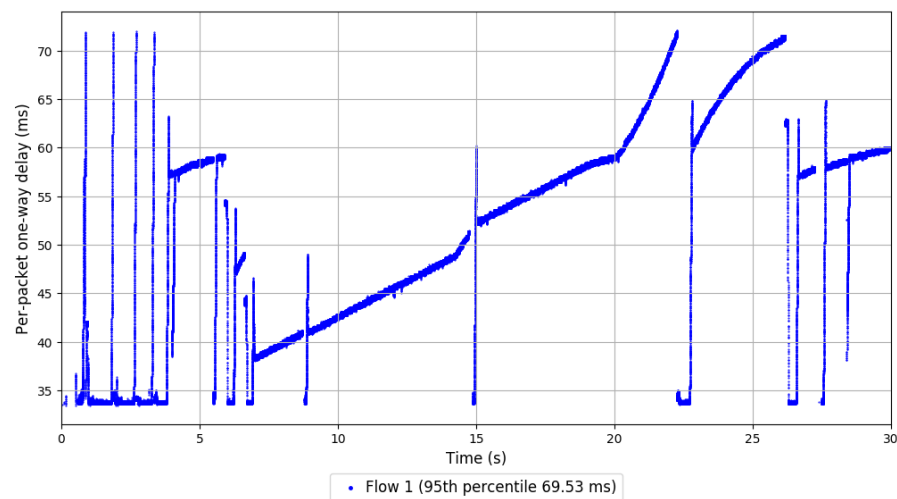
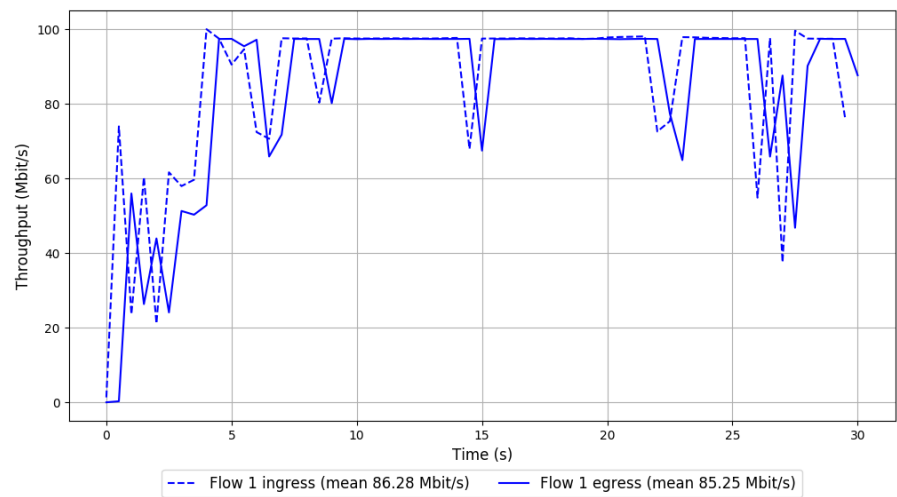
-- Flow 1:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 69.530 ms

Loss rate: 1.10%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-07-17 09:05:19

End at: 2018-07-17 09:05:49

Local clock offset: -0.06 ms

Remote clock offset: -1.69 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.780 ms

Loss rate: 0.00%

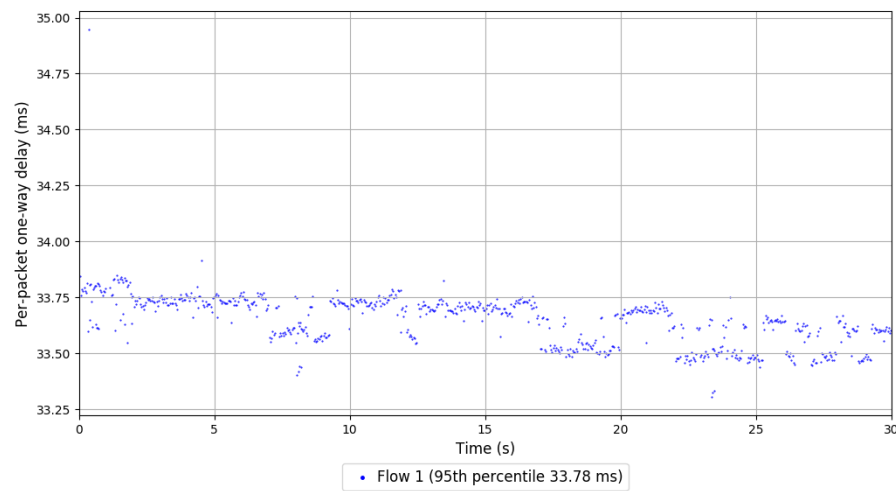
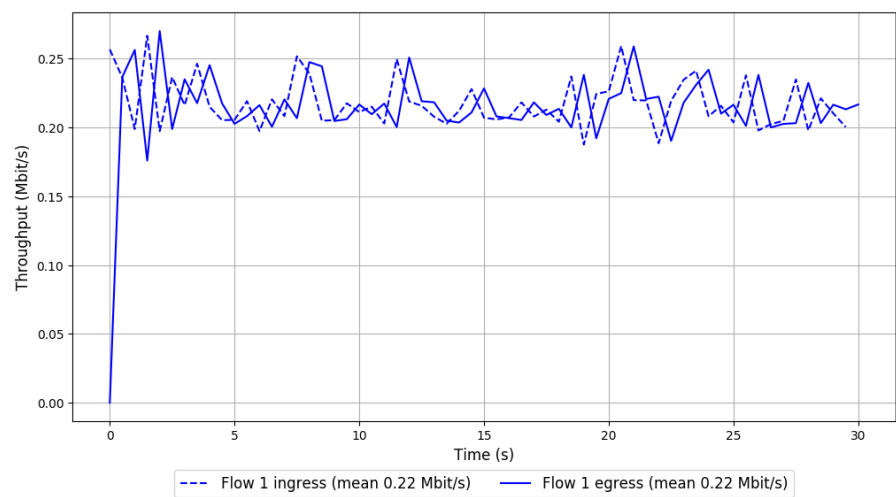
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.780 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-17 09:27:29

End at: 2018-07-17 09:27:59

Local clock offset: 0.116 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.438 ms

Loss rate: 0.00%

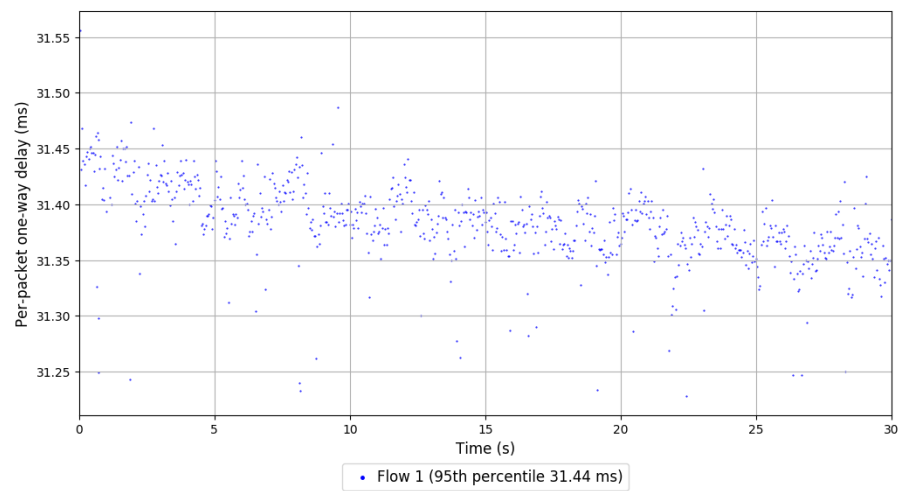
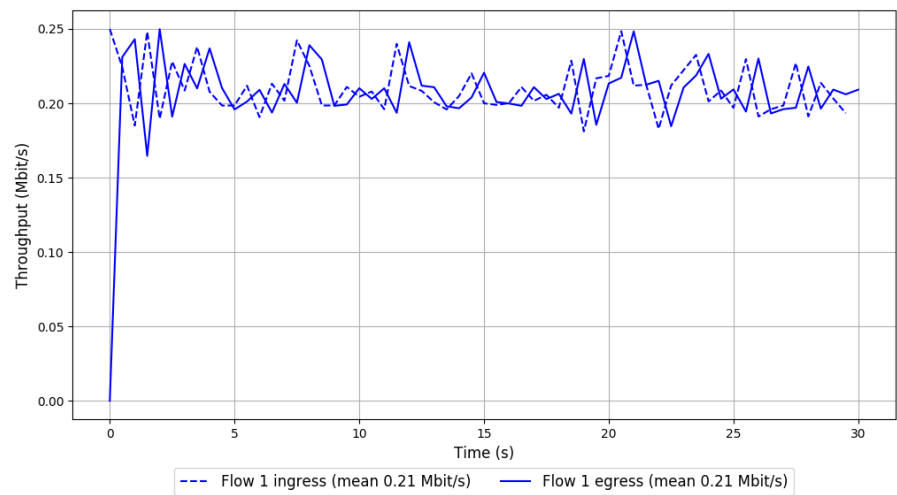
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.438 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-17 09:49:45

End at: 2018-07-17 09:50:15

Local clock offset: 0.116 ms

Remote clock offset: 2.963 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.951 ms

Loss rate: 0.00%

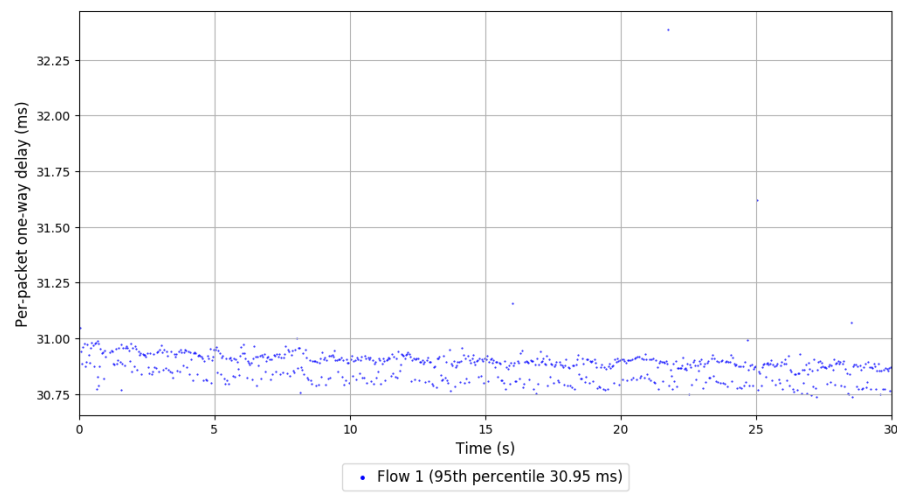
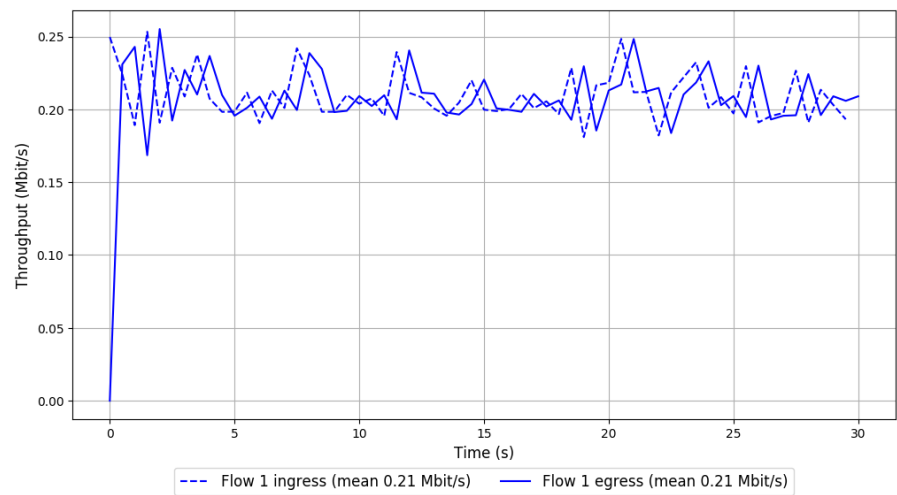
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.951 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

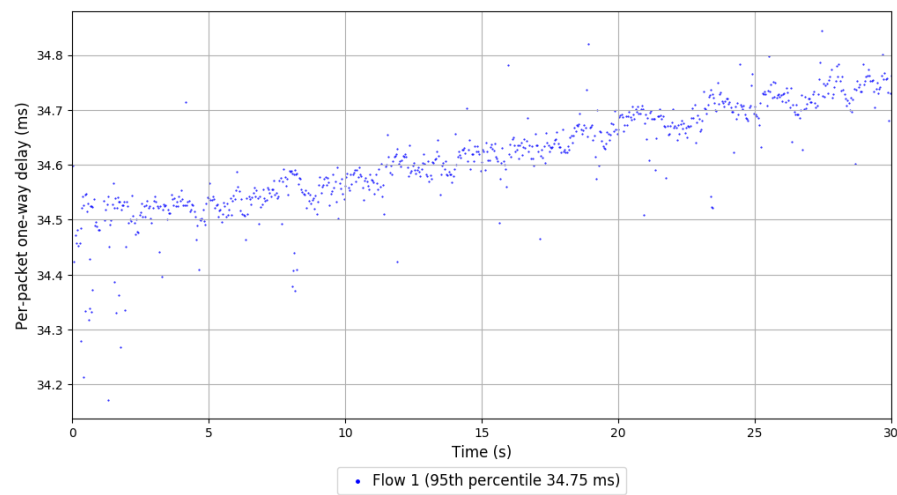
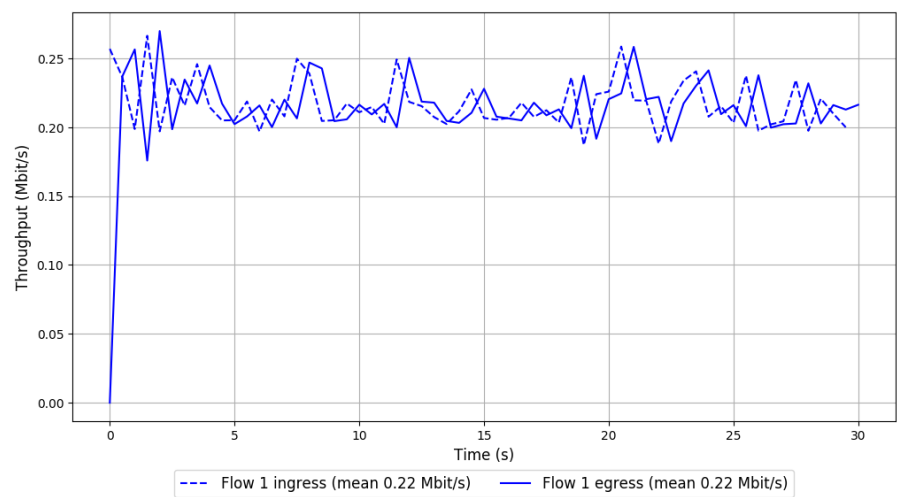


Run 4: Statistics of SCReAM

Start at: 2018-07-17 10:12:04
End at: 2018-07-17 10:12:34
Local clock offset: 0.01 ms
Remote clock offset: -1.276 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.748 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

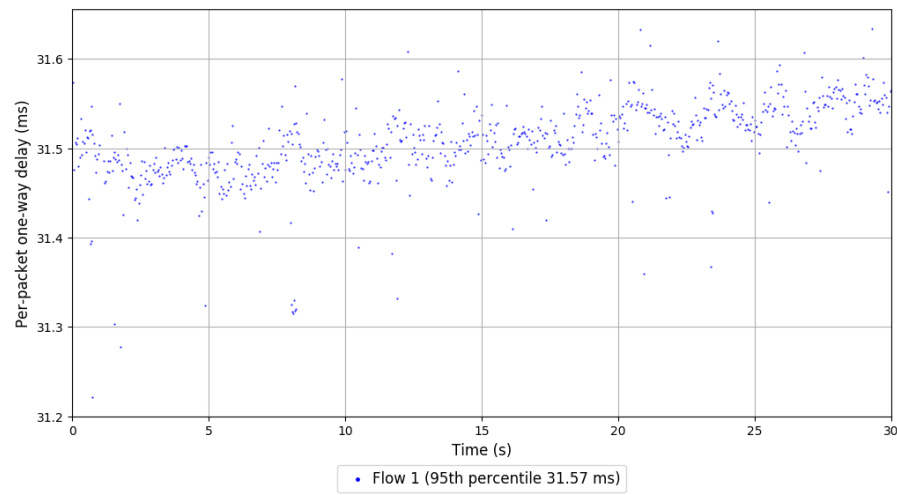
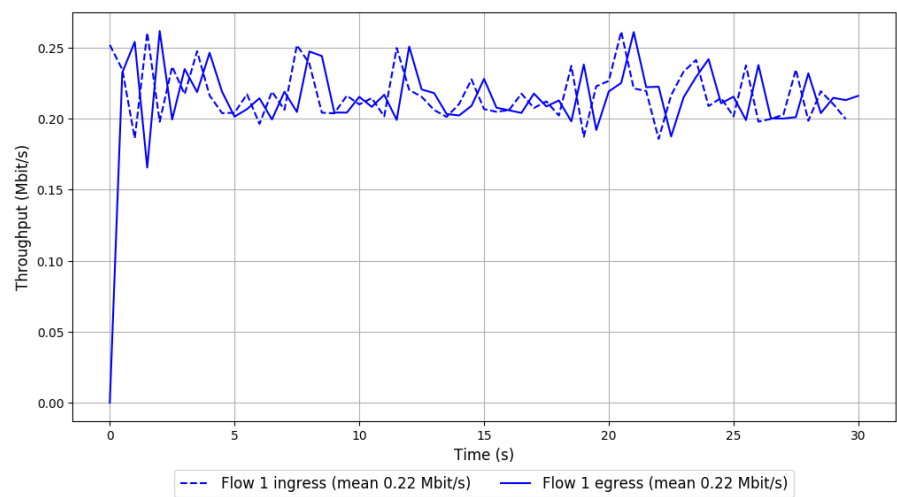


Run 5: Statistics of SCReAM

Start at: 2018-07-17 10:34:24
End at: 2018-07-17 10:34:54
Local clock offset: -0.093 ms
Remote clock offset: -10.918 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.566 ms
Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

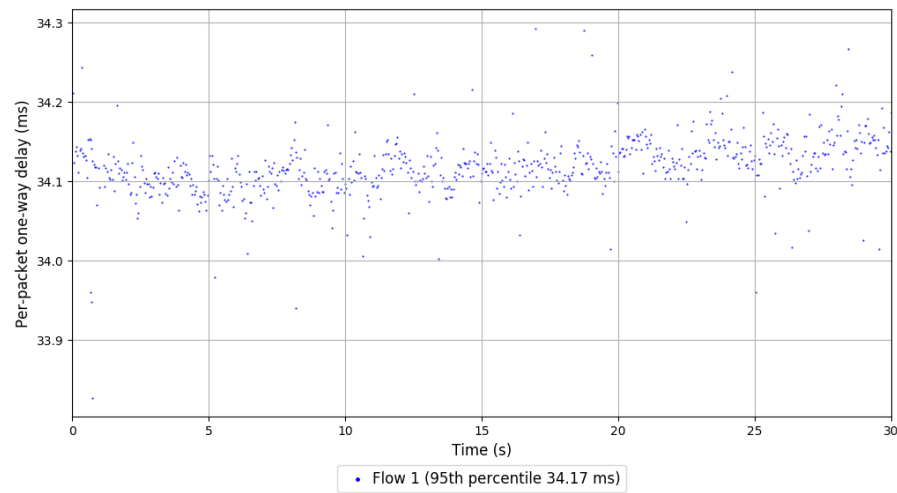
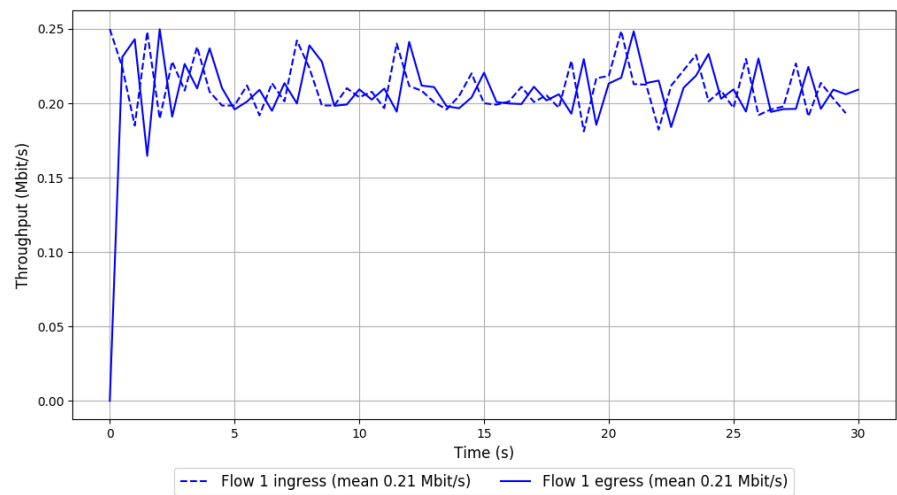


Run 6: Statistics of SCReAM

Start at: 2018-07-17 10:56:42
End at: 2018-07-17 10:57:12
Local clock offset: 0.0 ms
Remote clock offset: -10.677 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.169 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

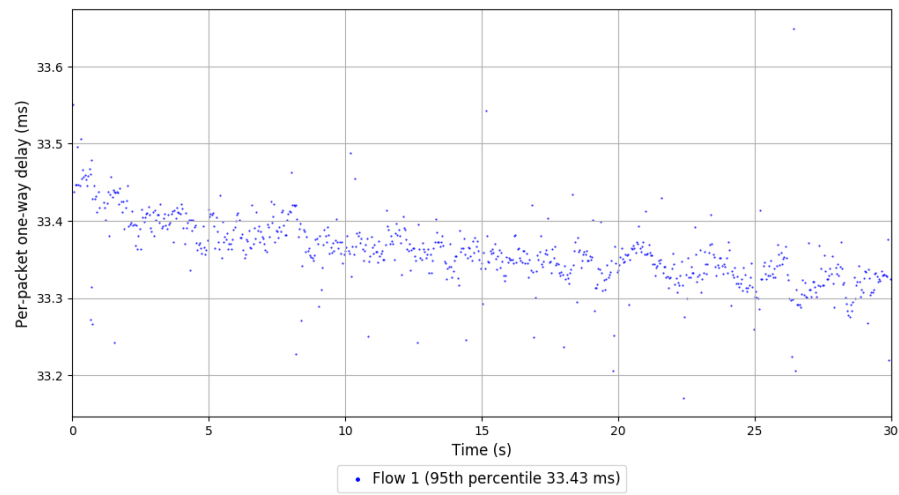
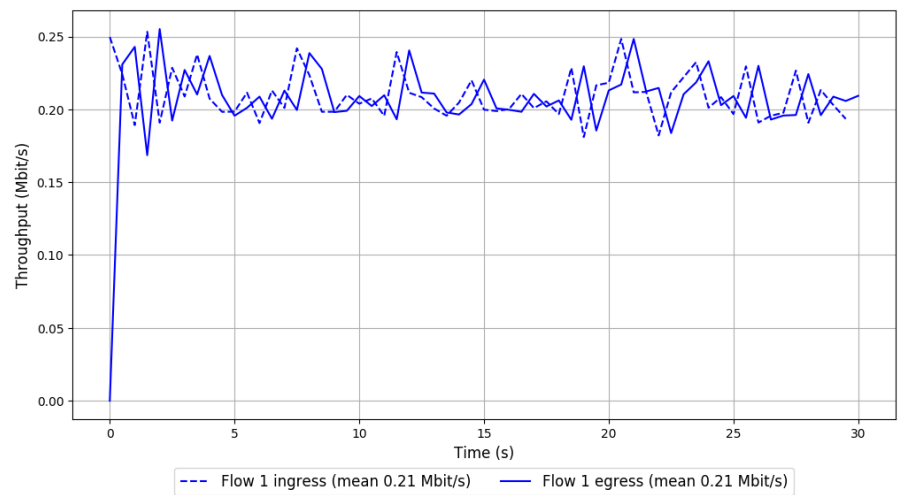


Run 7: Statistics of SReAM

Start at: 2018-07-17 11:18:57
End at: 2018-07-17 11:19:27
Local clock offset: -0.012 ms
Remote clock offset: -9.725 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.431 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

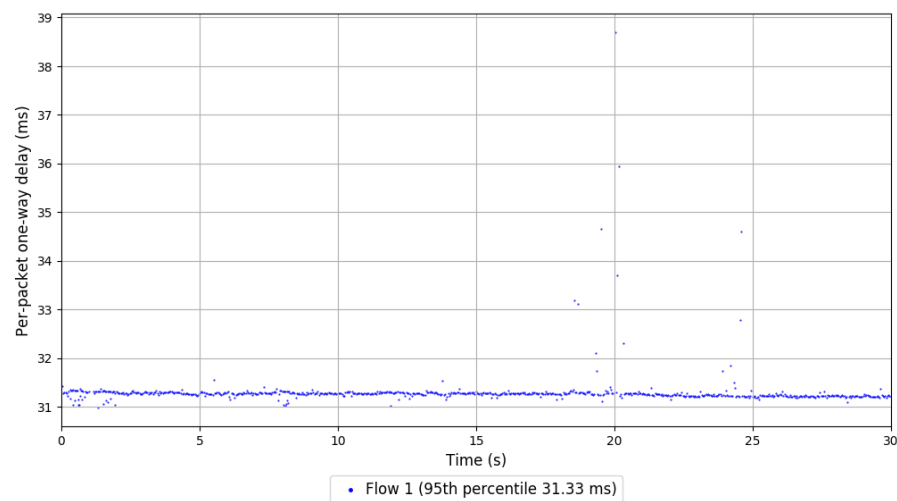
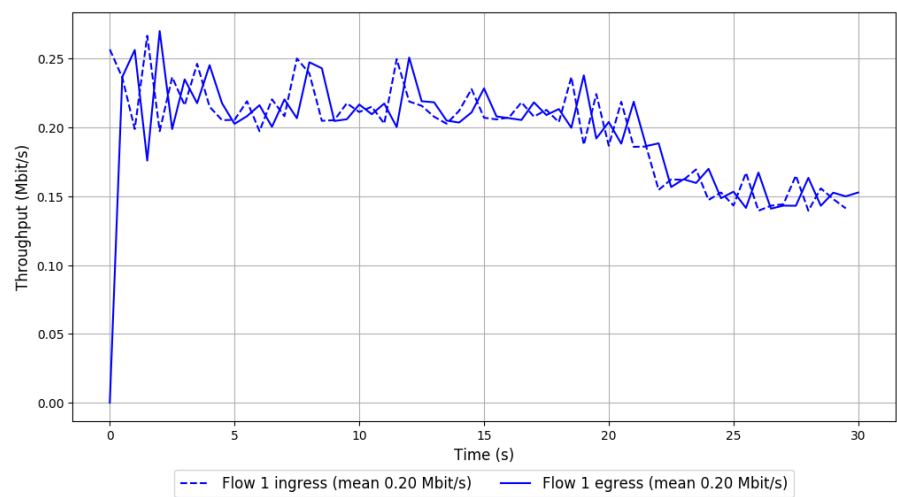


Run 8: Statistics of SCReAM

Start at: 2018-07-17 11:41:09
End at: 2018-07-17 11:41:39
Local clock offset: 0.005 ms
Remote clock offset: -10.951 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.333 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.333 ms
Loss rate: 0.14%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-17 12:03:29

End at: 2018-07-17 12:03:59

Local clock offset: -0.091 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.179 ms

Loss rate: 0.00%

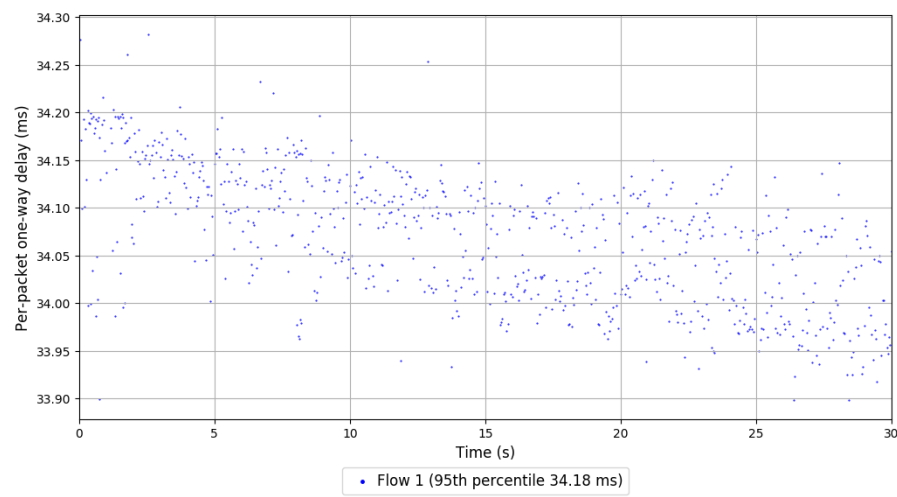
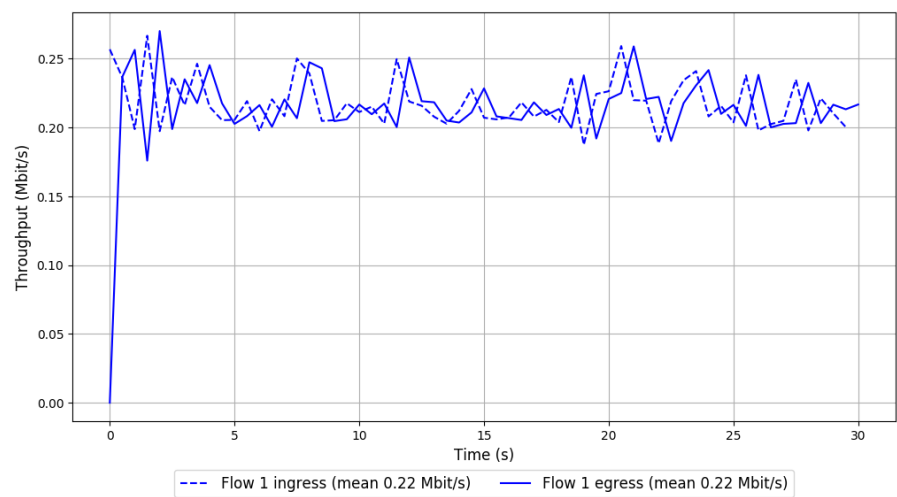
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.179 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-17 12:25:47

End at: 2018-07-17 12:26:17

Local clock offset: 0.088 ms

Remote clock offset: -0.629 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.685 ms

Loss rate: 0.00%

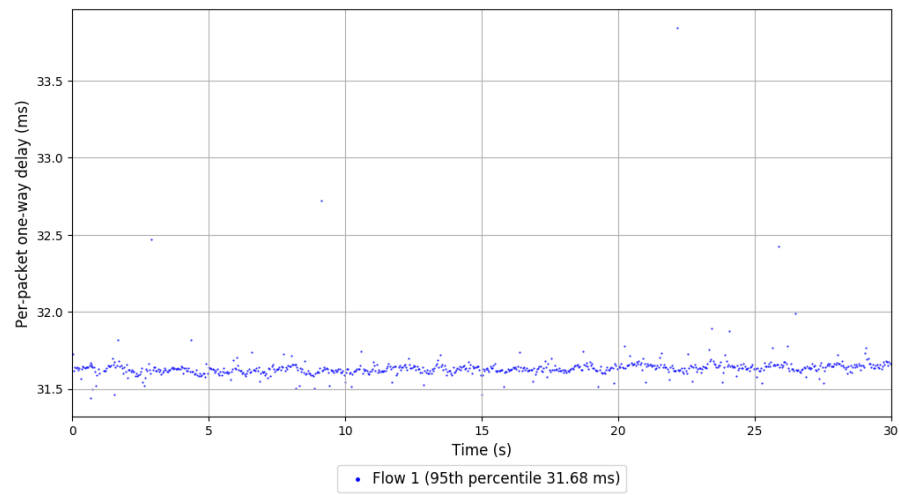
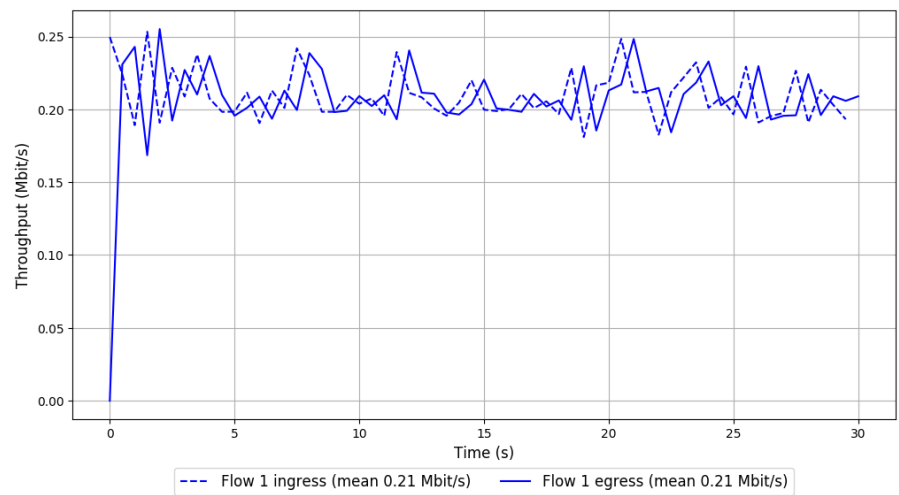
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.685 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-17 08:52:14

End at: 2018-07-17 08:52:44

Local clock offset: -0.25 ms

Remote clock offset: -4.671 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.32 Mbit/s

95th percentile per-packet one-way delay: 42.367 ms

Loss rate: 0.00%

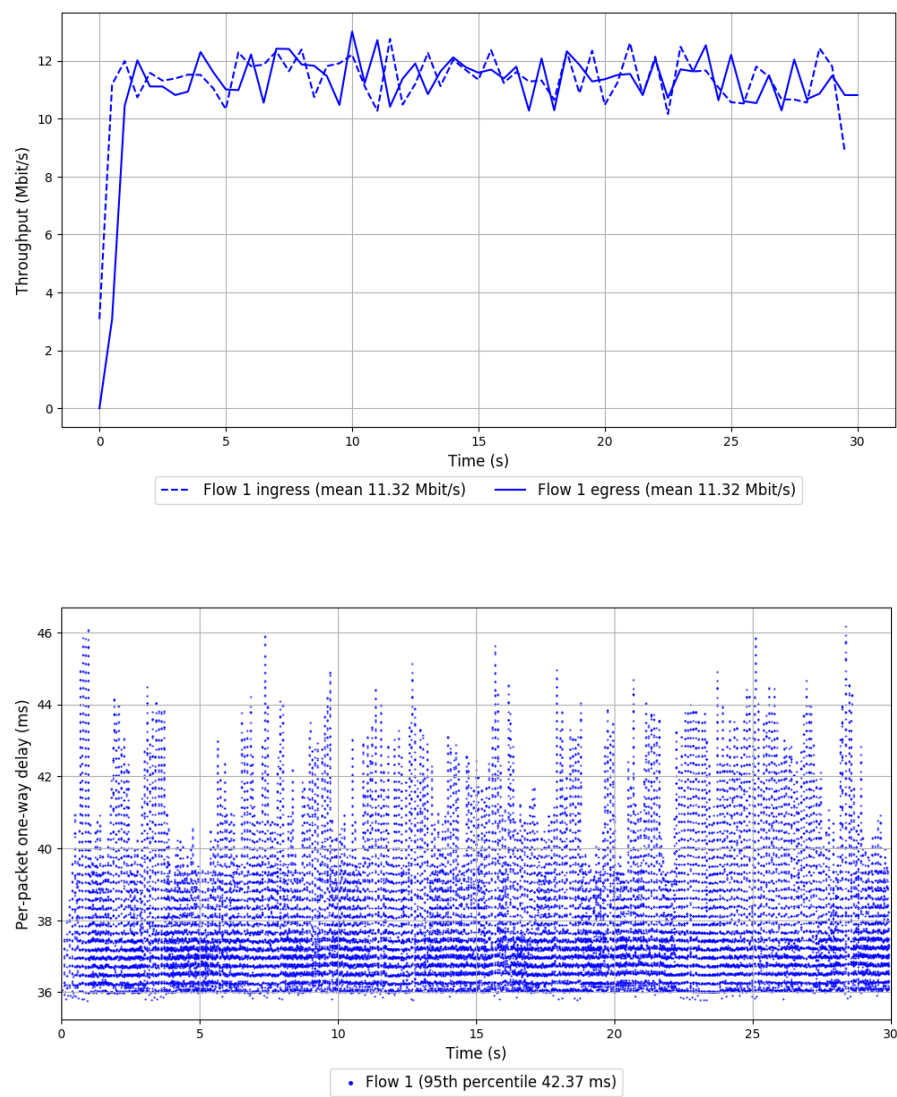
-- Flow 1:

Average throughput: 11.32 Mbit/s

95th percentile per-packet one-way delay: 42.367 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

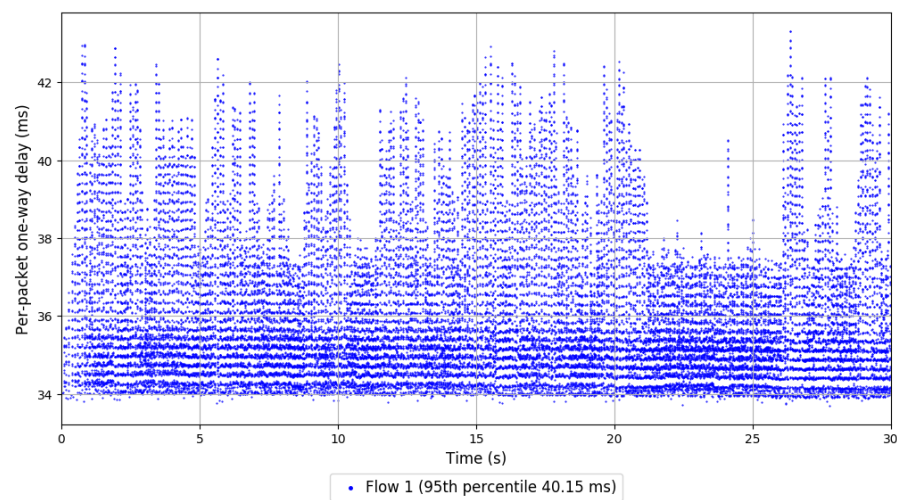
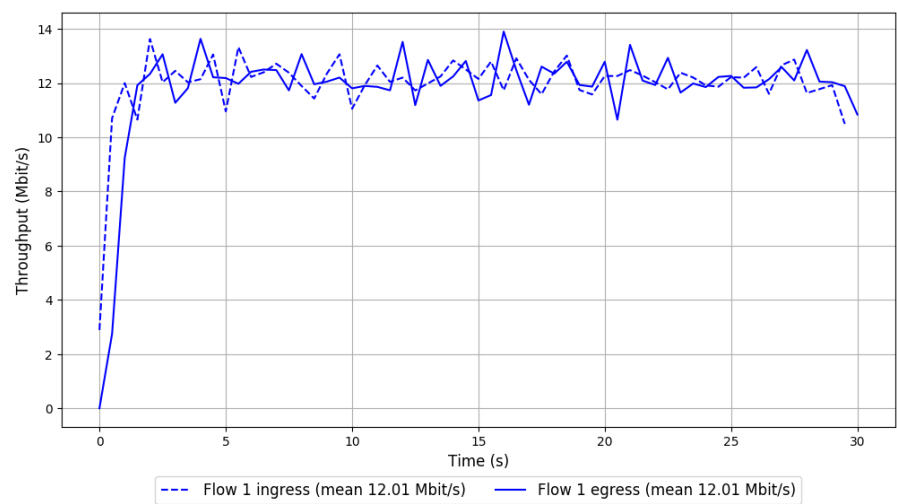


Run 2: Statistics of Sprout

Start at: 2018-07-17 09:14:25
End at: 2018-07-17 09:14:55
Local clock offset: -0.119 ms
Remote clock offset: 0.88 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 40.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 40.152 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-17 09:36:39

End at: 2018-07-17 09:37:09

Local clock offset: 0.147 ms

Remote clock offset: 3.922 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 39.446 ms

Loss rate: 0.00%

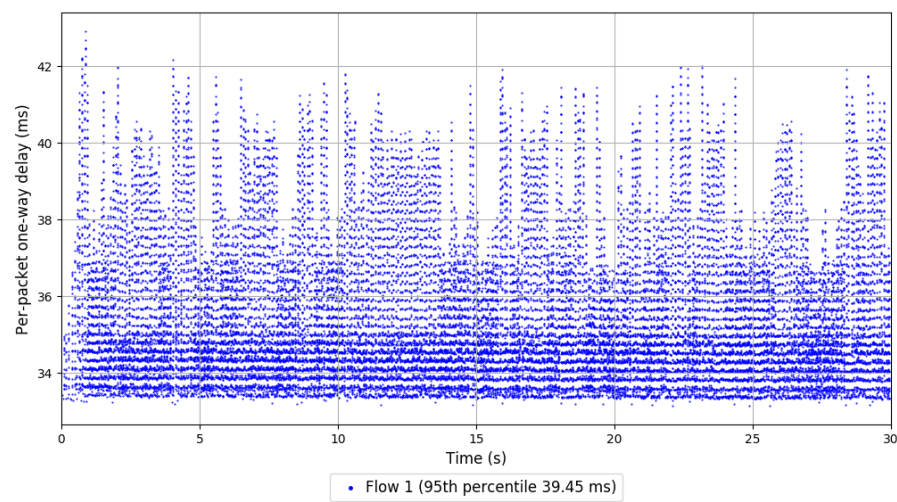
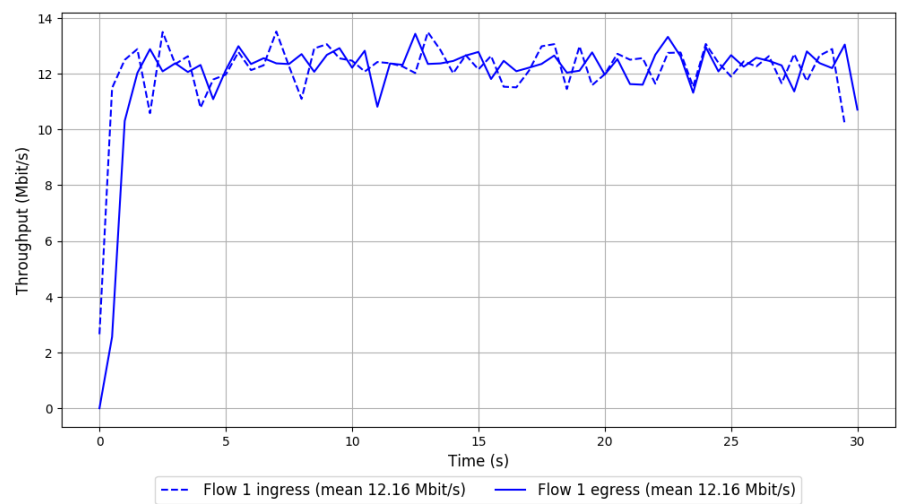
-- Flow 1:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 39.446 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-17 09:58:56

End at: 2018-07-17 09:59:26

Local clock offset: 0.16 ms

Remote clock offset: 3.963 ms

Below is generated by plot.py at 2018-07-17 12:54:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 36.517 ms

Loss rate: 0.00%

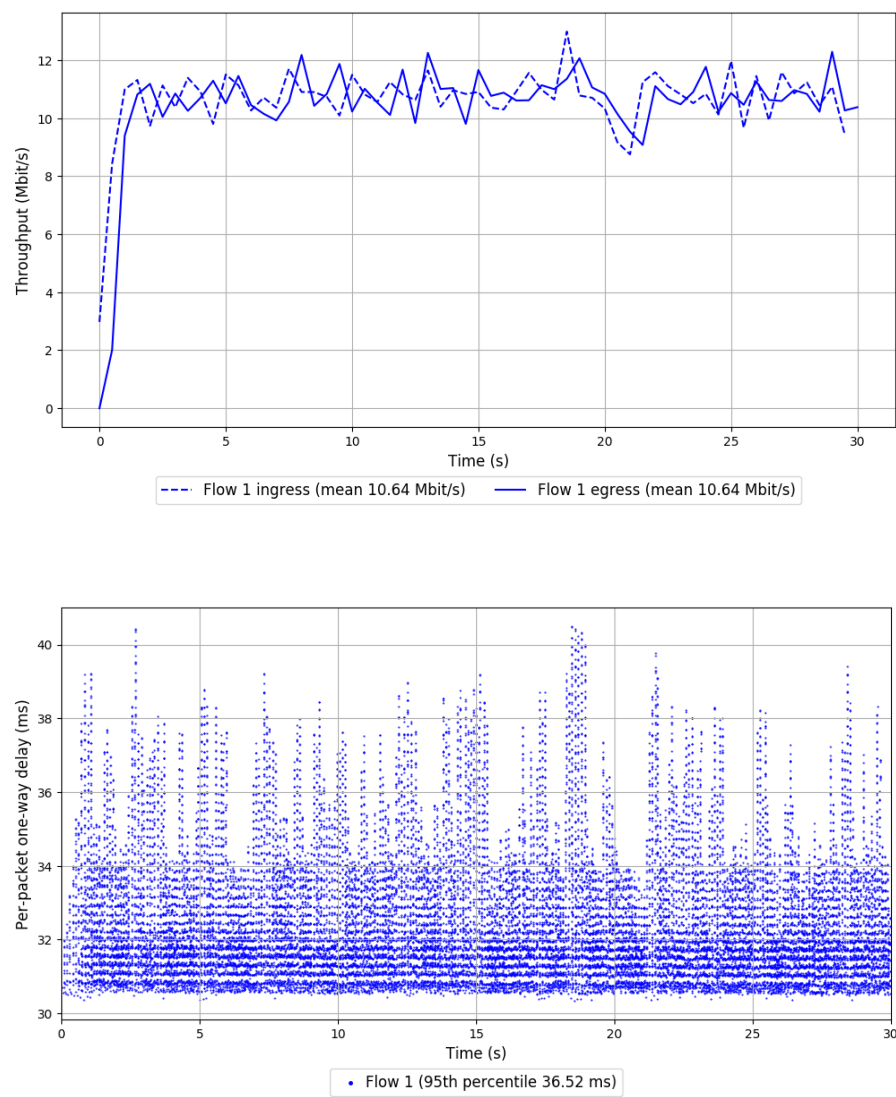
-- Flow 1:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 36.517 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

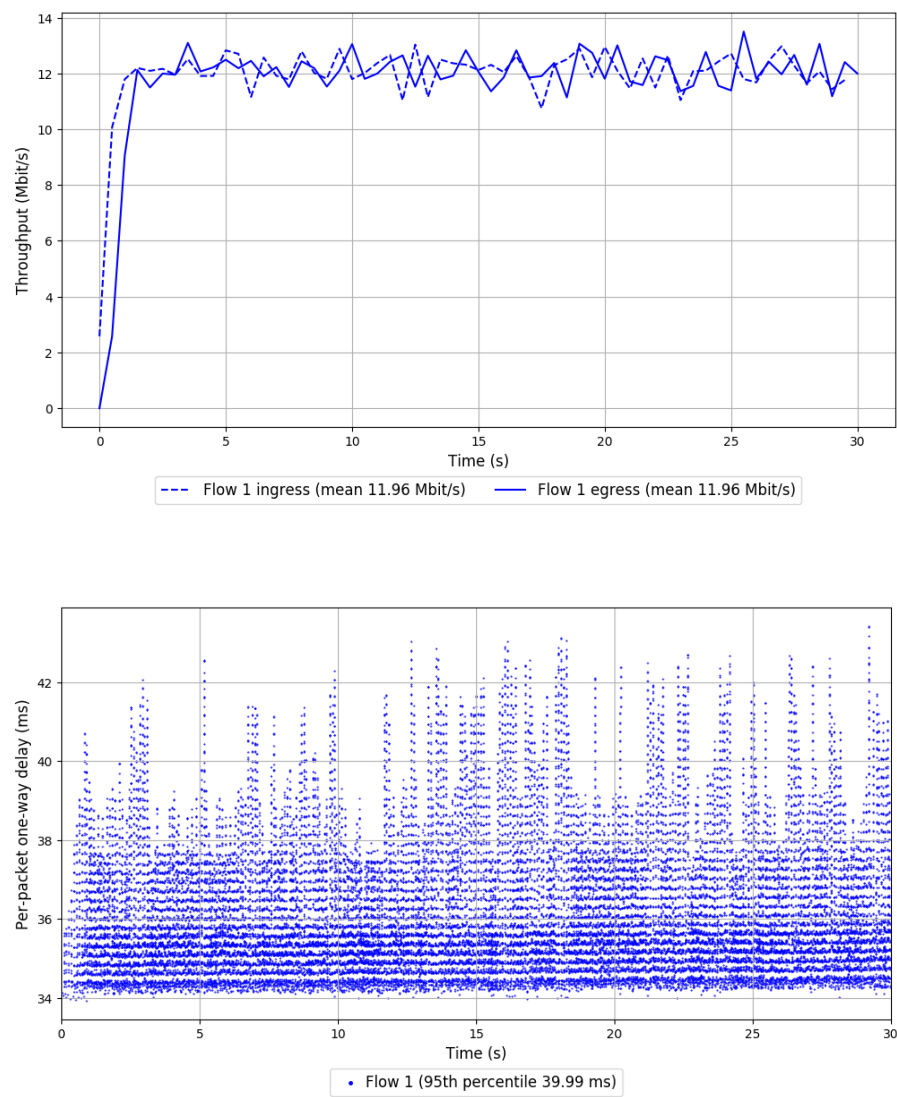


Run 5: Statistics of Sprout

Start at: 2018-07-17 10:21:16
End at: 2018-07-17 10:21:46
Local clock offset: -0.017 ms
Remote clock offset: -5.095 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 39.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 39.990 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

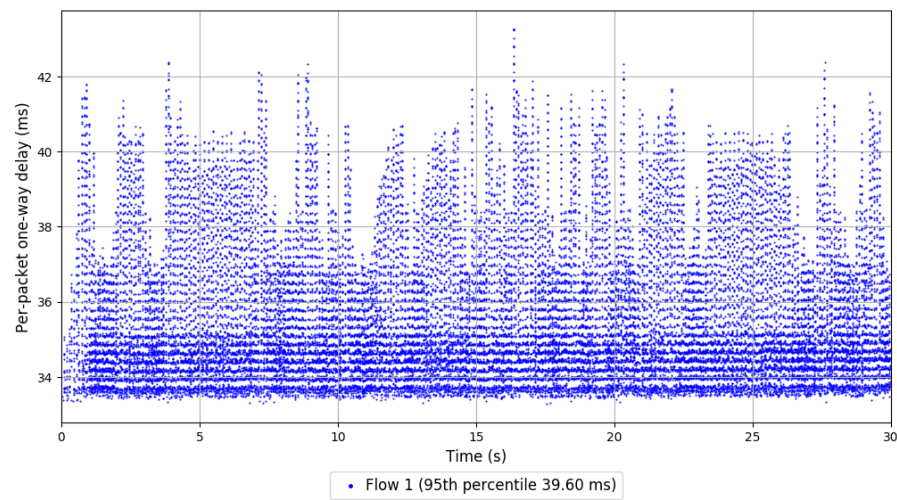
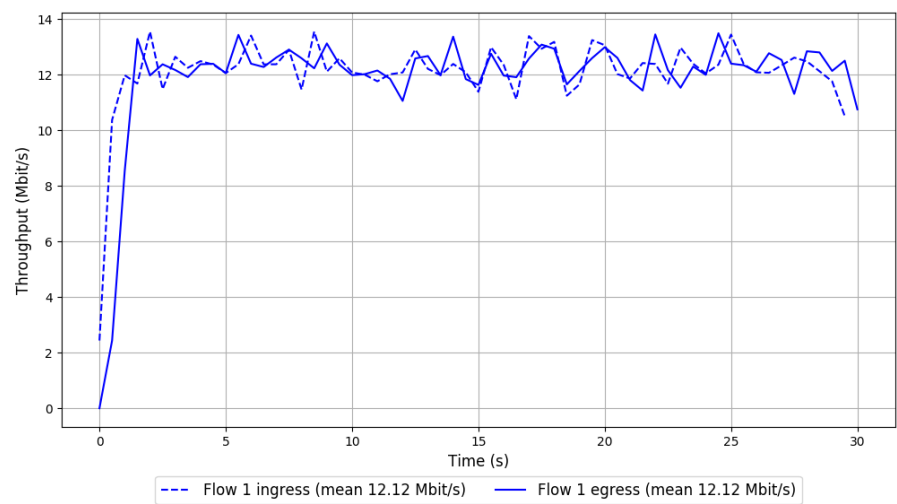


Run 6: Statistics of Sprout

Start at: 2018-07-17 10:43:35
End at: 2018-07-17 10:44:05
Local clock offset: -0.13 ms
Remote clock offset: -9.042 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 39.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 39.597 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

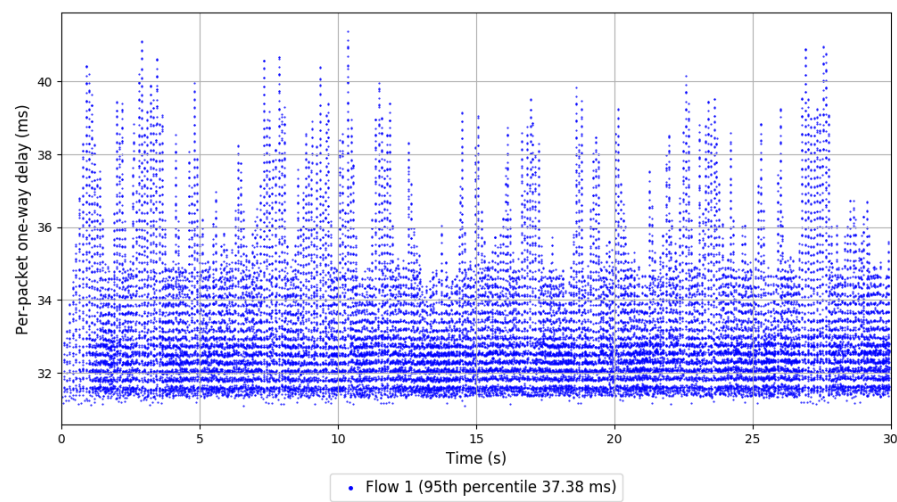
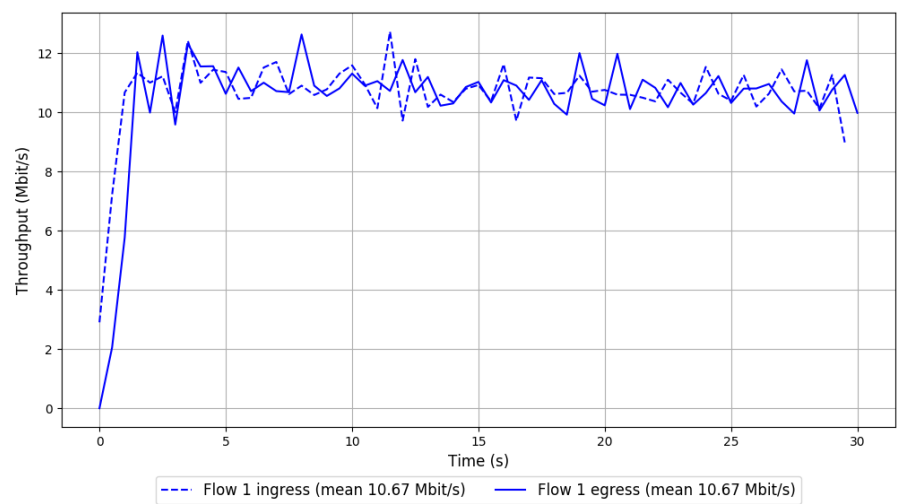


Run 7: Statistics of Sprout

Start at: 2018-07-17 11:05:52
End at: 2018-07-17 11:06:22
Local clock offset: -0.102 ms
Remote clock offset: -14.596 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 37.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 37.382 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

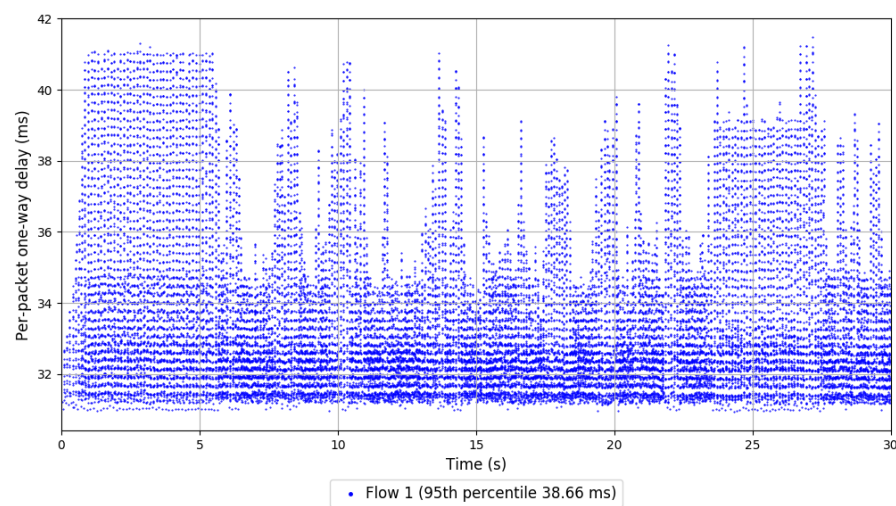
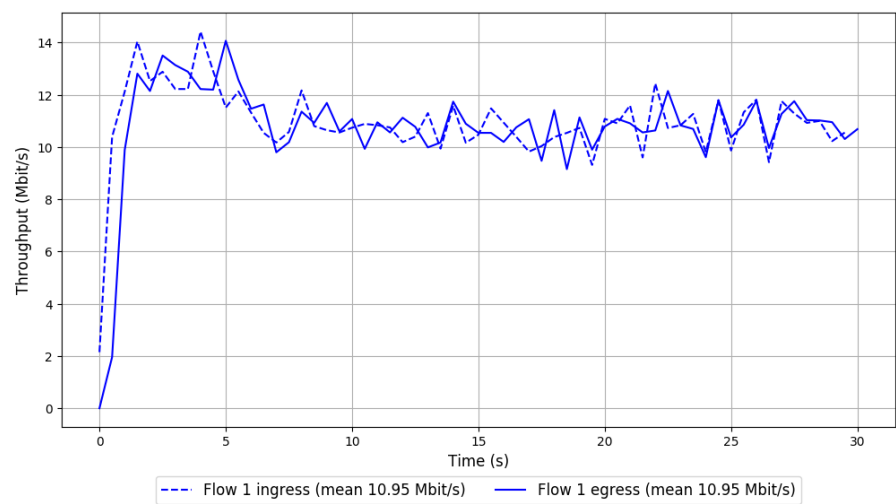


Run 8: Statistics of Sprout

Start at: 2018-07-17 11:28:05
End at: 2018-07-17 11:28:35
Local clock offset: 0.023 ms
Remote clock offset: -11.377 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 38.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 38.665 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

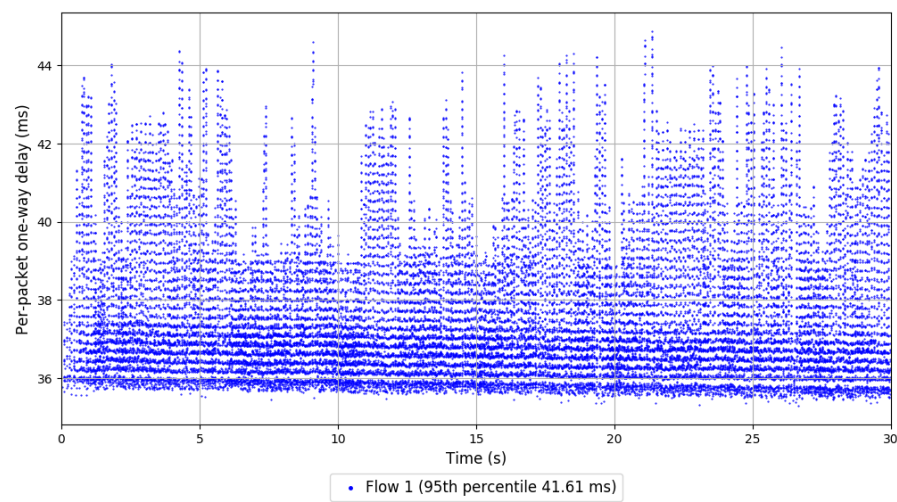
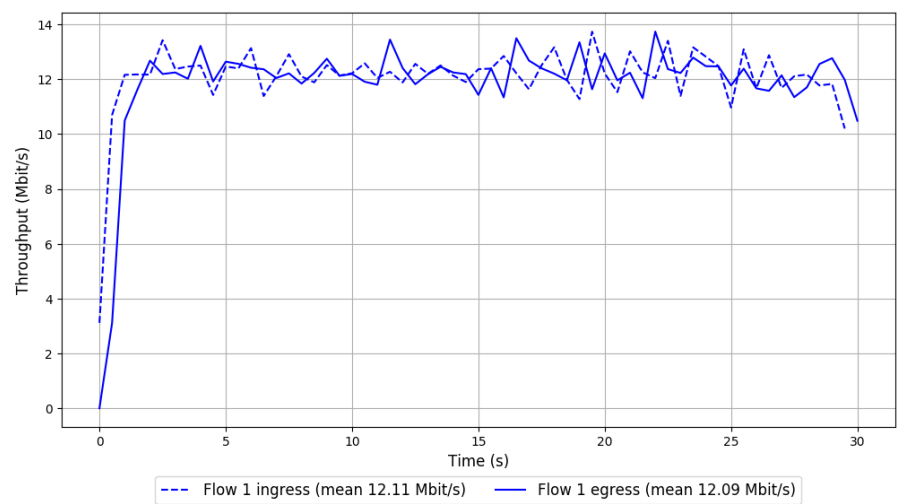


Run 9: Statistics of Sprout

Start at: 2018-07-17 11:50:20
End at: 2018-07-17 11:50:50
Local clock offset: 0.021 ms
Remote clock offset: -1.709 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 41.610 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 41.610 ms
Loss rate: 0.21%

Run 9: Report of Sprout — Data Link

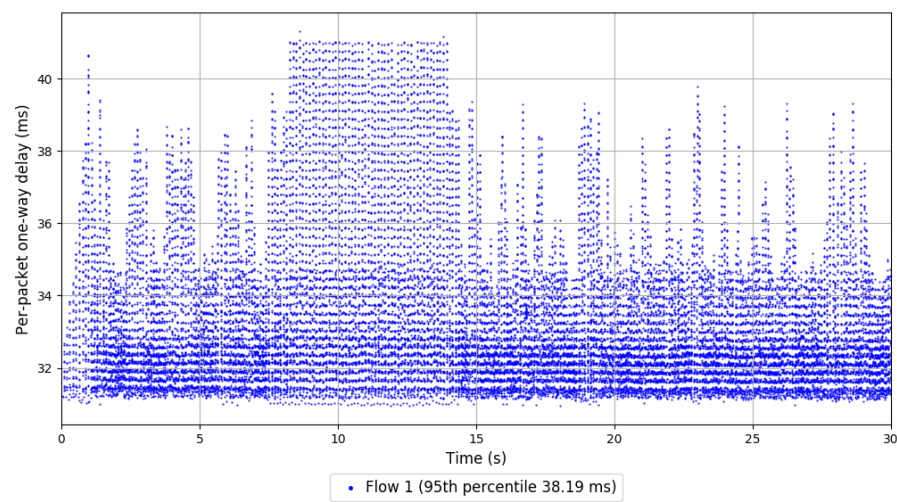
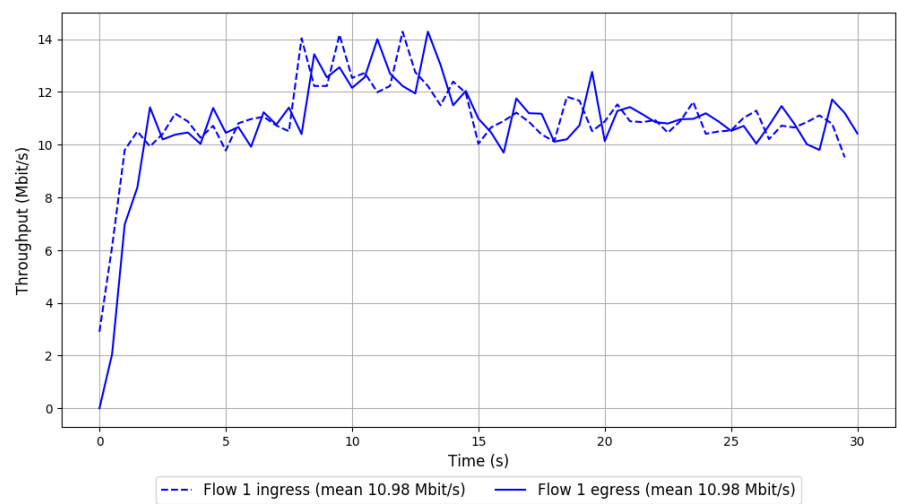


Run 10: Statistics of Sprout

Start at: 2018-07-17 12:12:41
End at: 2018-07-17 12:13:11
Local clock offset: -0.061 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2018-07-17 12:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 38.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 38.187 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 08:56:04

End at: 2018-07-17 08:56:34

Local clock offset: -0.126 ms

Remote clock offset: -3.892 ms

Below is generated by plot.py at 2018-07-17 12:55:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.64 Mbit/s

95th percentile per-packet one-way delay: 51.297 ms

Loss rate: 0.00%

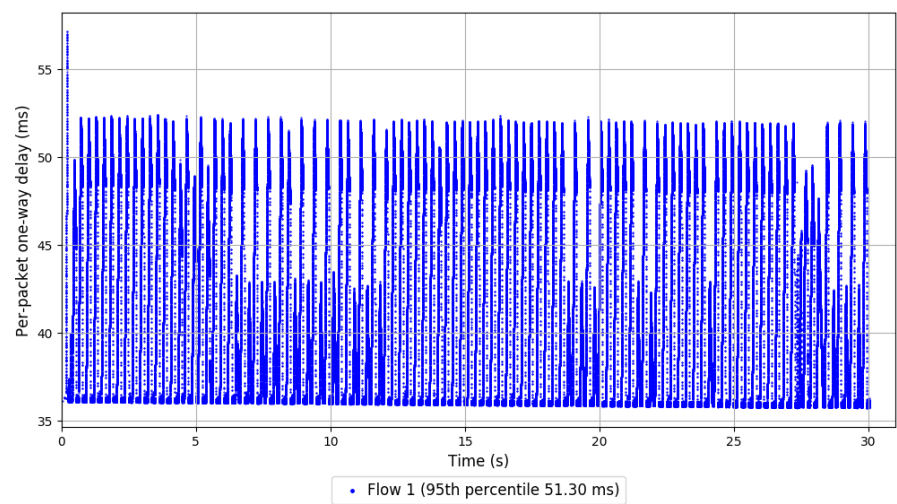
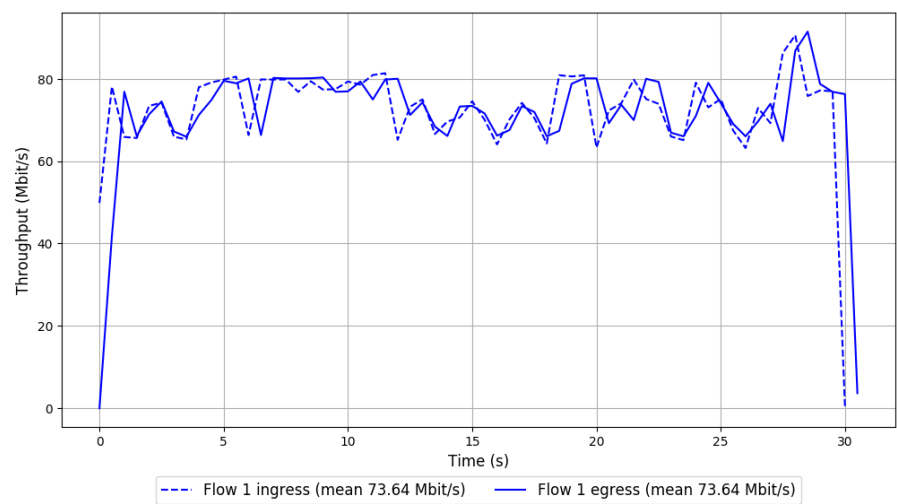
-- Flow 1:

Average throughput: 73.64 Mbit/s

95th percentile per-packet one-way delay: 51.297 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-17 09:18:13

End at: 2018-07-17 09:18:43

Local clock offset: -0.147 ms

Remote clock offset: 1.324 ms

Below is generated by plot.py at 2018-07-17 12:55:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.50 Mbit/s

95th percentile per-packet one-way delay: 48.807 ms

Loss rate: 0.00%

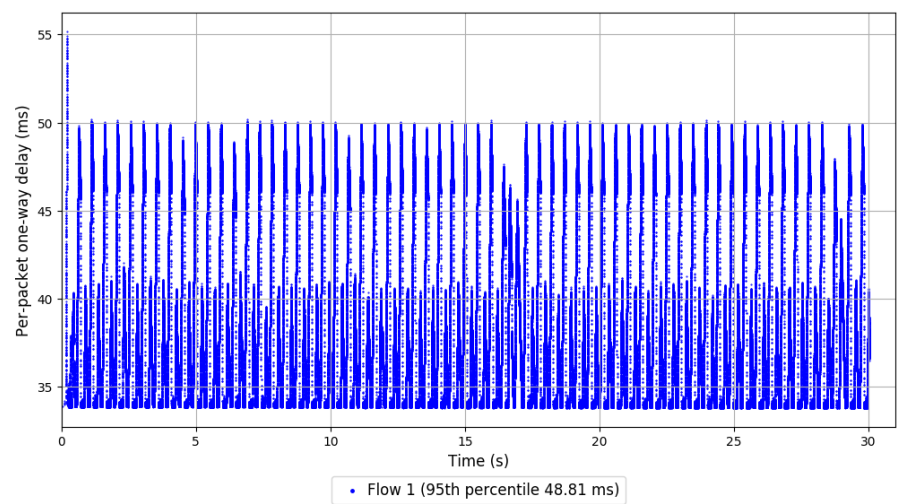
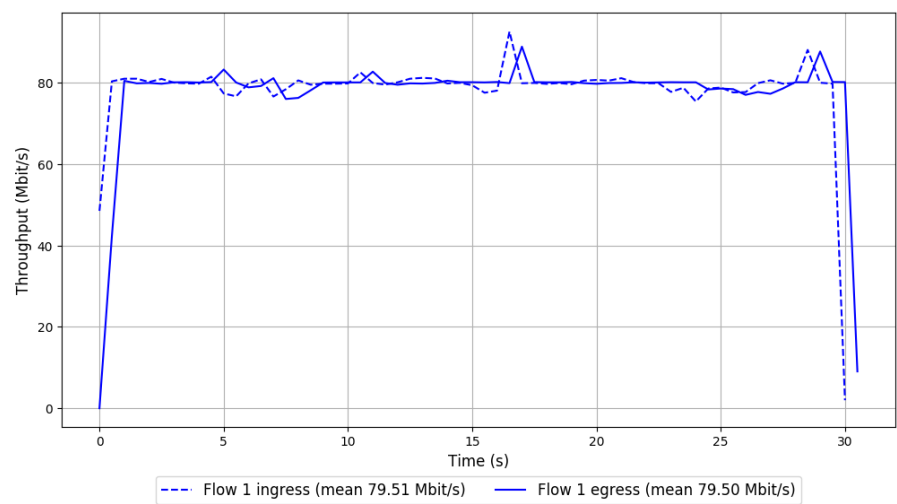
-- Flow 1:

Average throughput: 79.50 Mbit/s

95th percentile per-packet one-way delay: 48.807 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 09:40:28

End at: 2018-07-17 09:40:58

Local clock offset: 0.156 ms

Remote clock offset: 4.145 ms

Below is generated by plot.py at 2018-07-17 12:55:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 47.187 ms

Loss rate: 0.02%

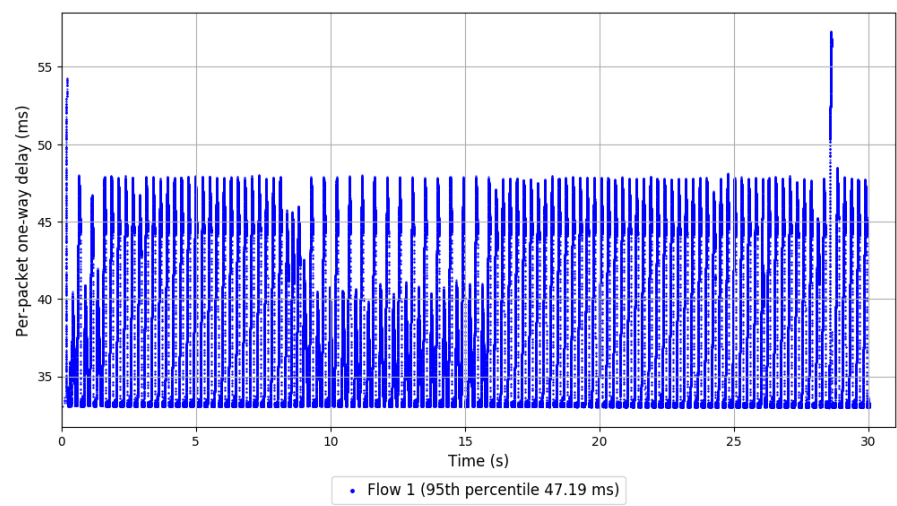
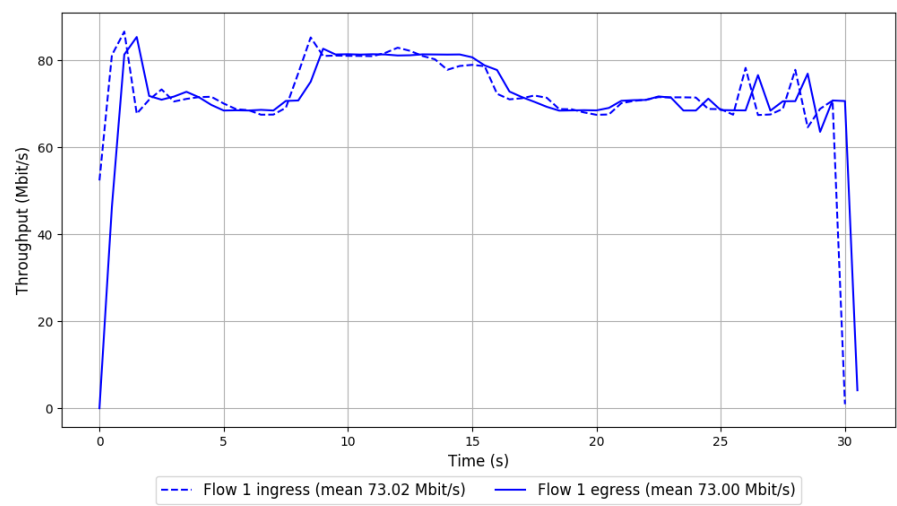
-- Flow 1:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 47.187 ms

Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 10:02:46

End at: 2018-07-17 10:03:16

Local clock offset: 0.146 ms

Remote clock offset: 6.94 ms

Below is generated by plot.py at 2018-07-17 12:55:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.38 Mbit/s

95th percentile per-packet one-way delay: 49.059 ms

Loss rate: 0.00%

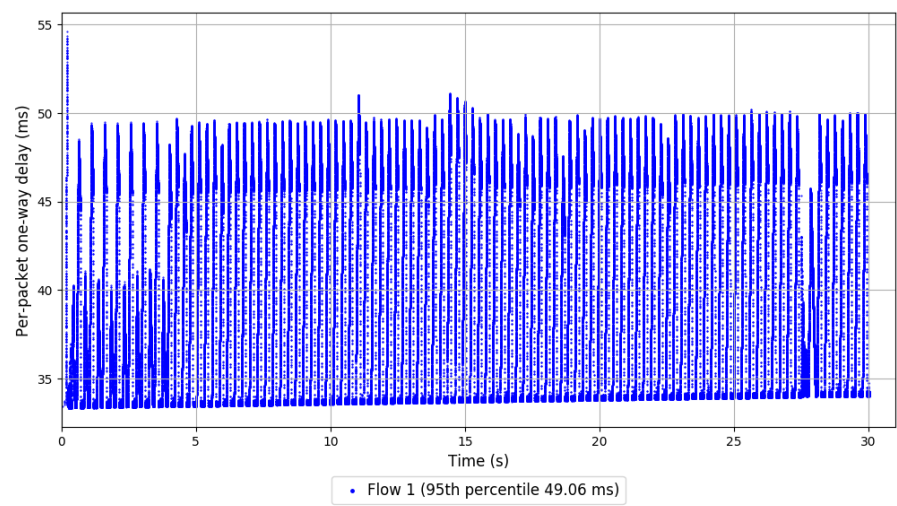
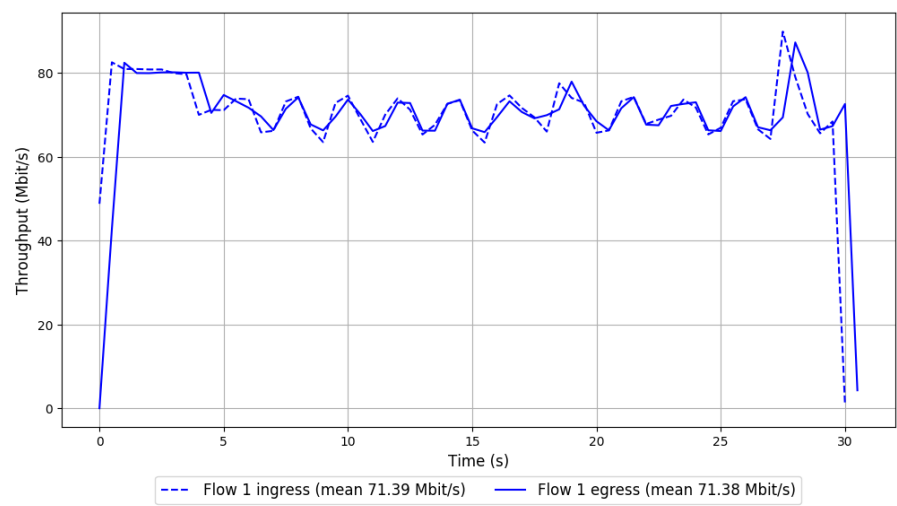
-- Flow 1:

Average throughput: 71.38 Mbit/s

95th percentile per-packet one-way delay: 49.059 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 10:25:06

End at: 2018-07-17 10:25:36

Local clock offset: 0.061 ms

Remote clock offset: -8.571 ms

Below is generated by plot.py at 2018-07-17 12:55:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 46.762 ms

Loss rate: 0.00%

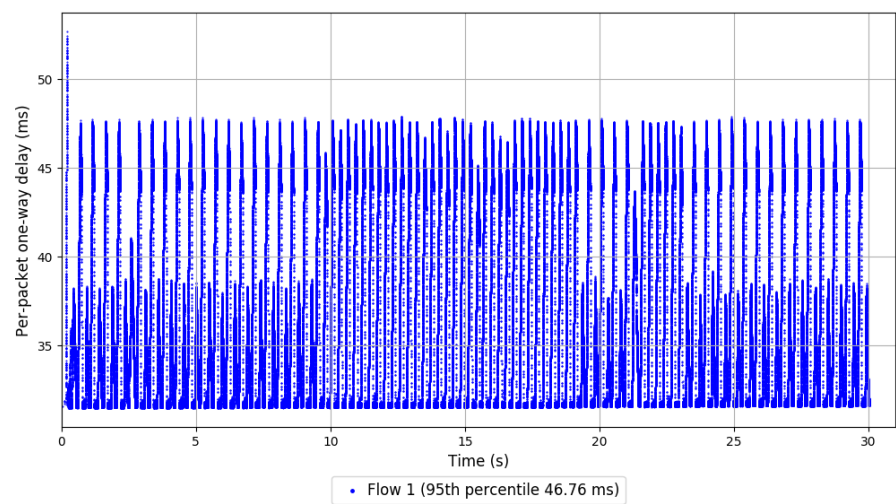
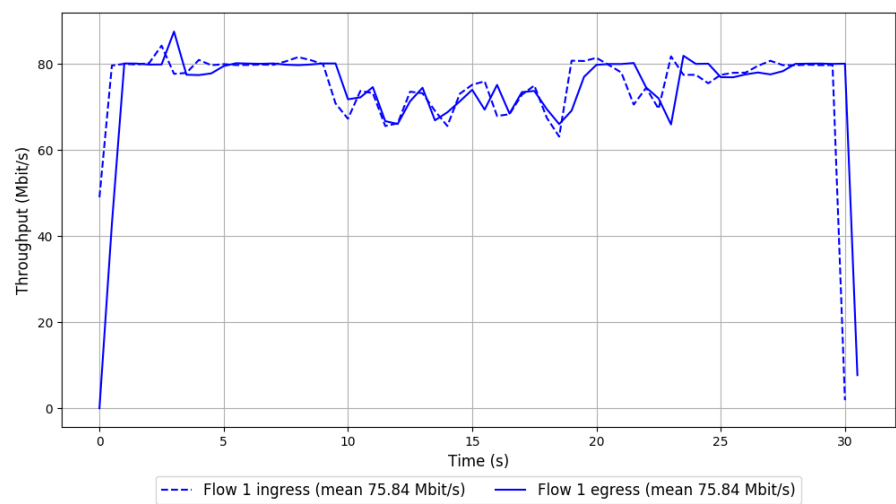
-- Flow 1:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 46.762 ms

Loss rate: 0.00%

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

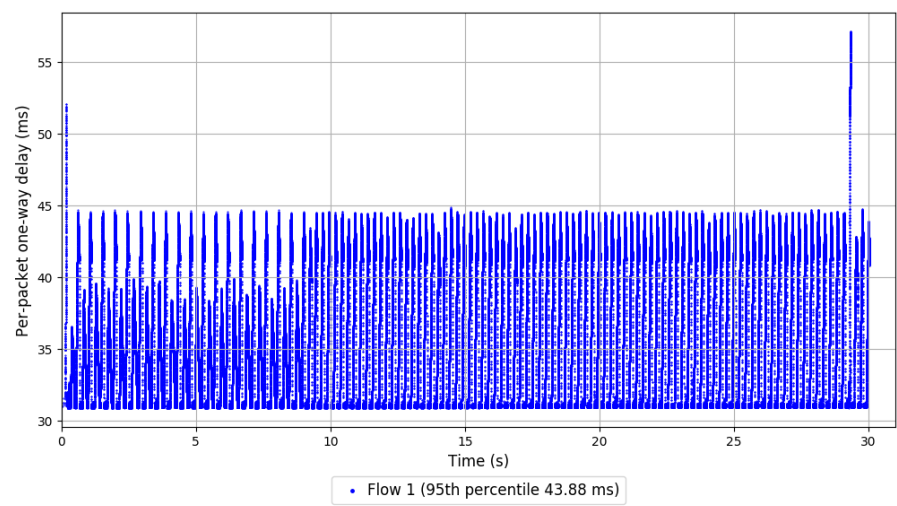
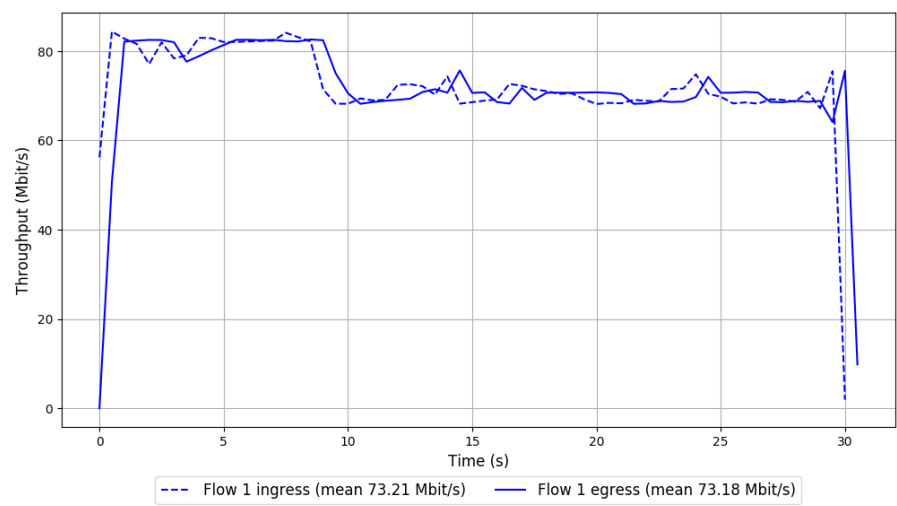


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 10:47:24
End at: 2018-07-17 10:47:54
Local clock offset: -0.057 ms
Remote clock offset: -11.911 ms

Below is generated by plot.py at 2018-07-17 12:55:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.18 Mbit/s
95th percentile per-packet one-way delay: 43.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.18 Mbit/s
95th percentile per-packet one-way delay: 43.876 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 11:09:41

End at: 2018-07-17 11:10:11

Local clock offset: -0.018 ms

Remote clock offset: -9.72 ms

Below is generated by plot.py at 2018-07-17 12:55:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 51.026 ms

Loss rate: 0.00%

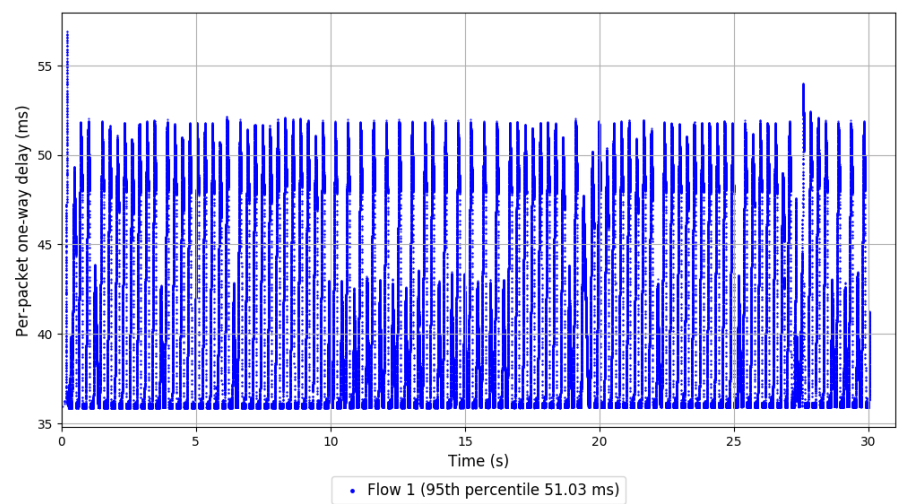
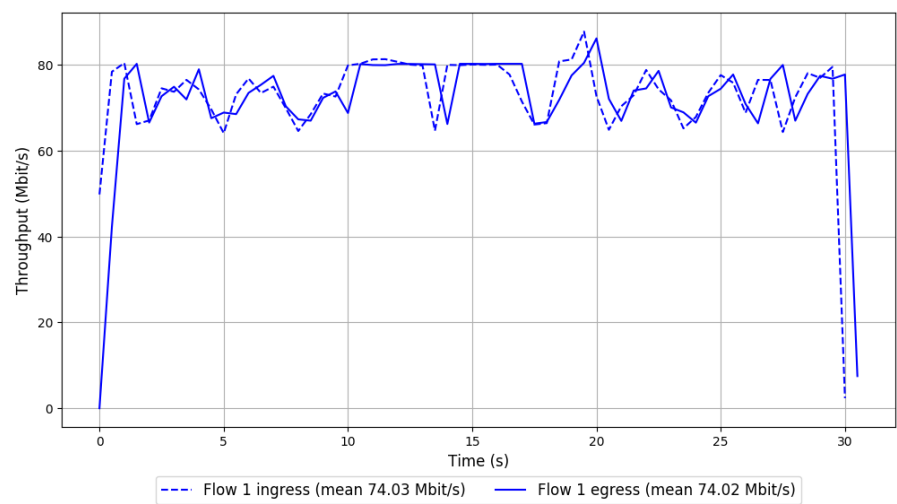
-- Flow 1:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 51.026 ms

Loss rate: 0.00%

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

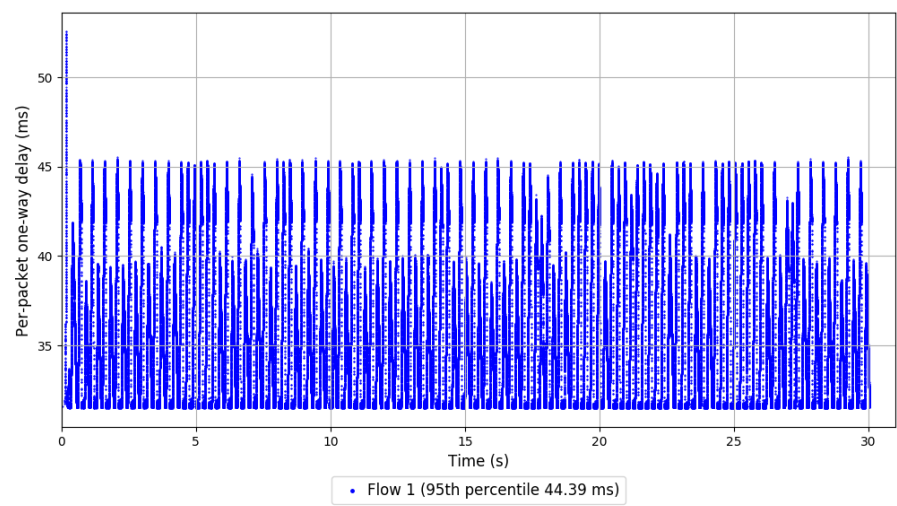
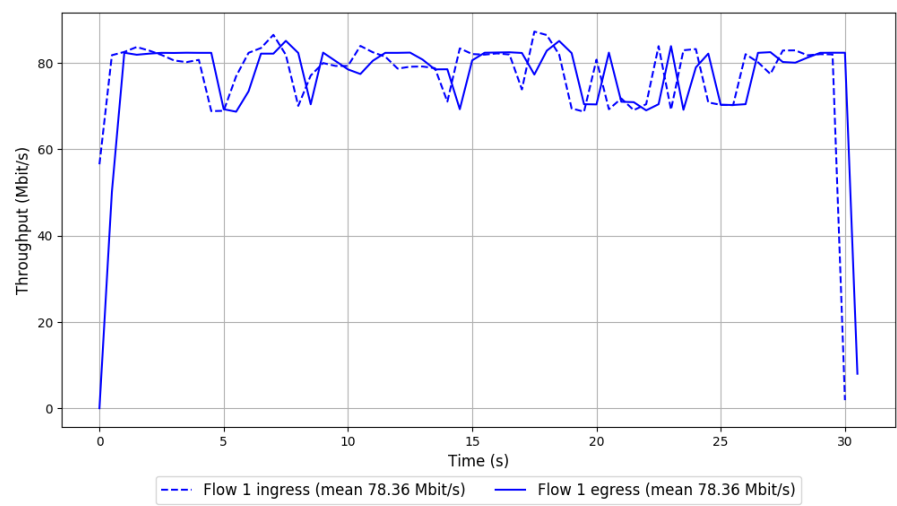


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 11:31:53
End at: 2018-07-17 11:32:24
Local clock offset: -0.07 ms
Remote clock offset: -10.901 ms

Below is generated by plot.py at 2018-07-17 12:56:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 44.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 44.387 ms
Loss rate: 0.00%

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

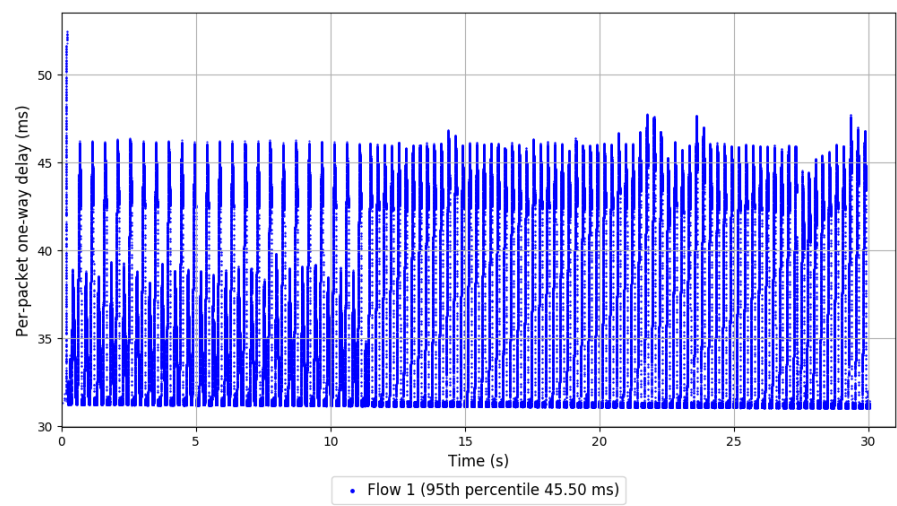
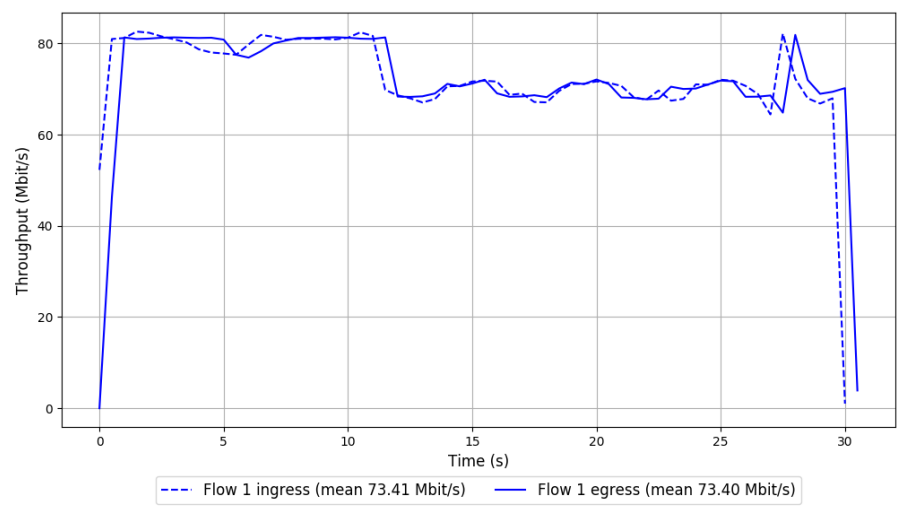


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 11:54:10
End at: 2018-07-17 11:54:40
Local clock offset: -0.055 ms
Remote clock offset: -5.067 ms

Below is generated by plot.py at 2018-07-17 12:57:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 45.499 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 45.499 ms
Loss rate: 0.02%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 12:16:30

End at: 2018-07-17 12:17:00

Local clock offset: -0.071 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-17 12:57:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.20 Mbit/s

95th percentile per-packet one-way delay: 43.400 ms

Loss rate: 0.00%

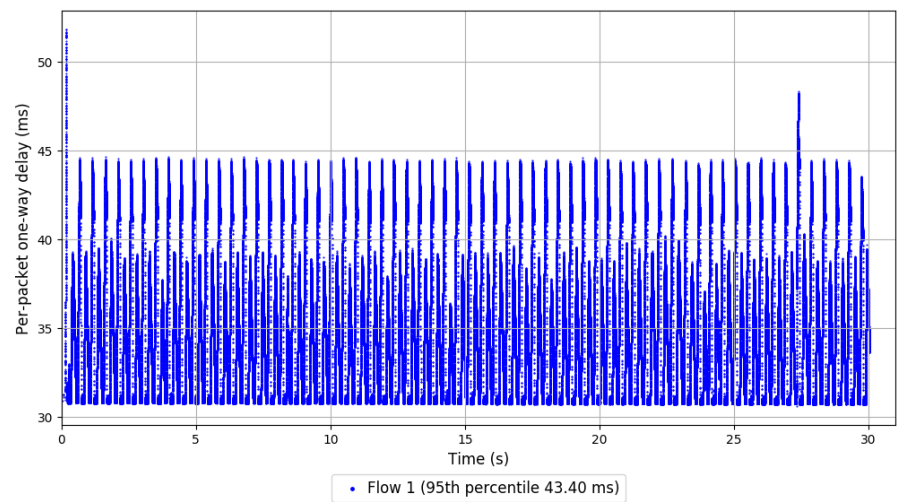
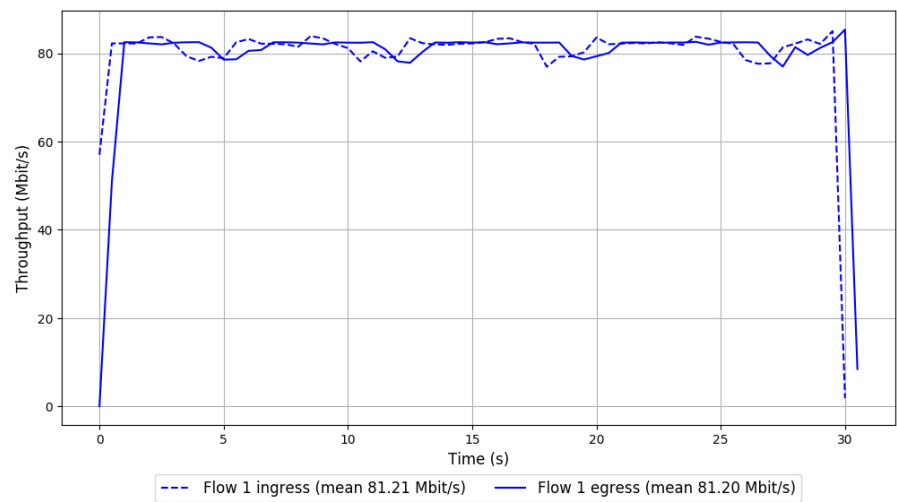
-- Flow 1:

Average throughput: 81.20 Mbit/s

95th percentile per-packet one-way delay: 43.400 ms

Loss rate: 0.00%

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

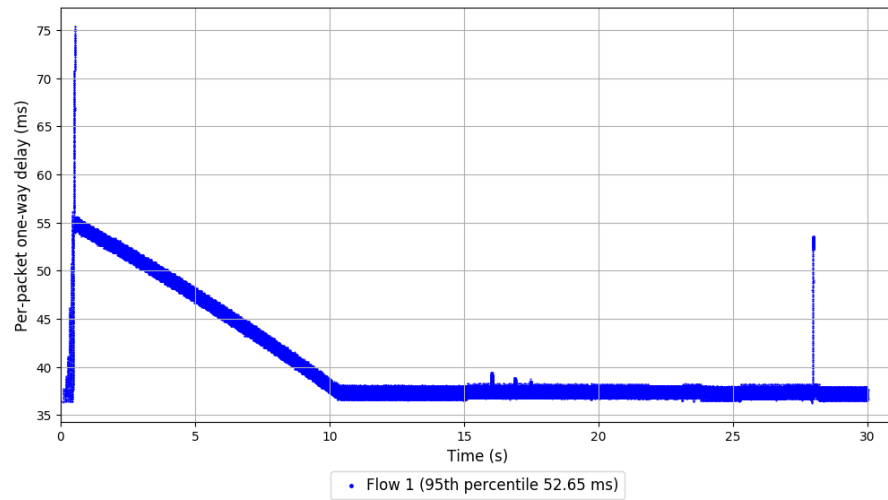
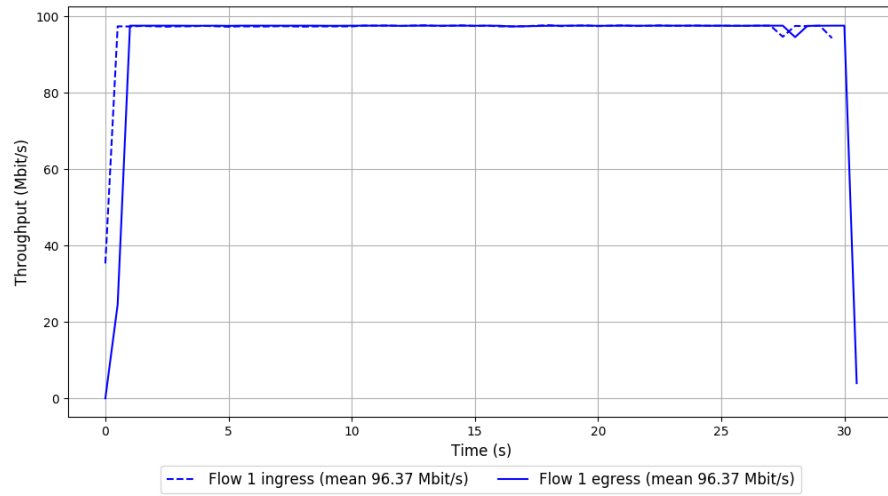


Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 09:01:22
End at: 2018-07-17 09:01:52
Local clock offset: -0.074 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-07-17 12:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 52.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 52.647 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

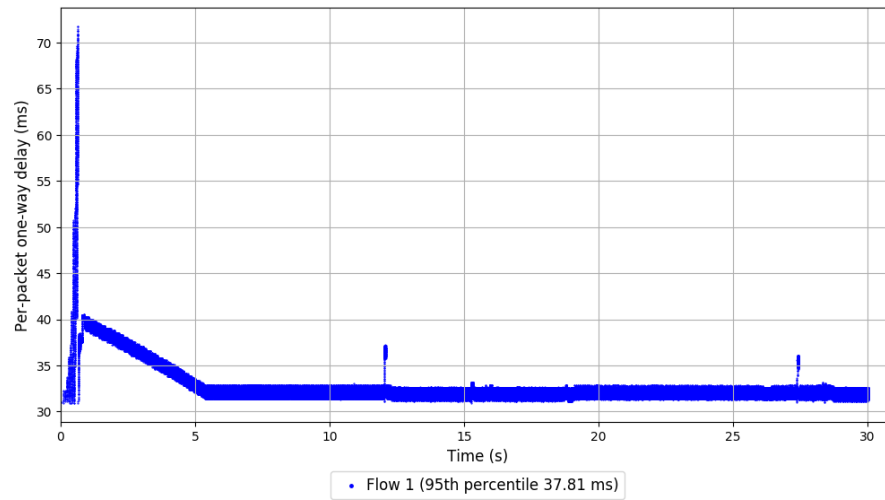
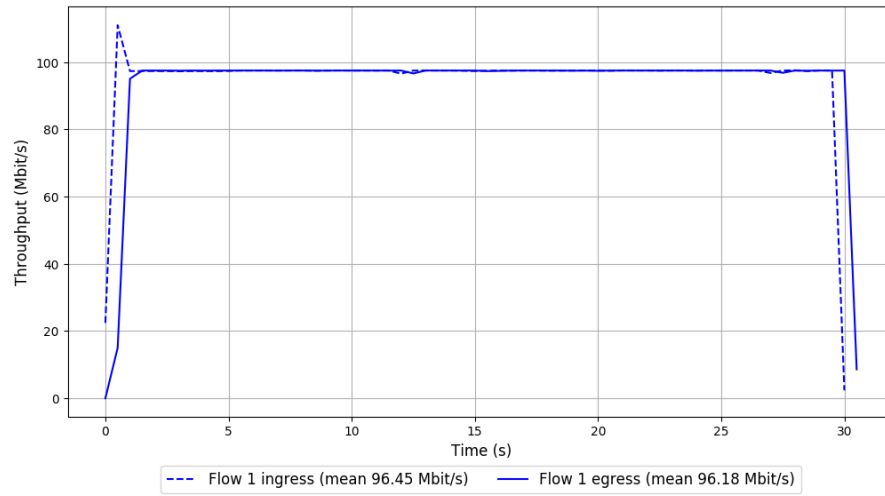


Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 09:23:32
End at: 2018-07-17 09:24:02
Local clock offset: 0.041 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-17 12:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 37.808 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 37.808 ms
Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 09:45:47

End at: 2018-07-17 09:46:17

Local clock offset: 0.139 ms

Remote clock offset: 2.607 ms

Below is generated by plot.py at 2018-07-17 12:57:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 42.633 ms

Loss rate: 0.27%

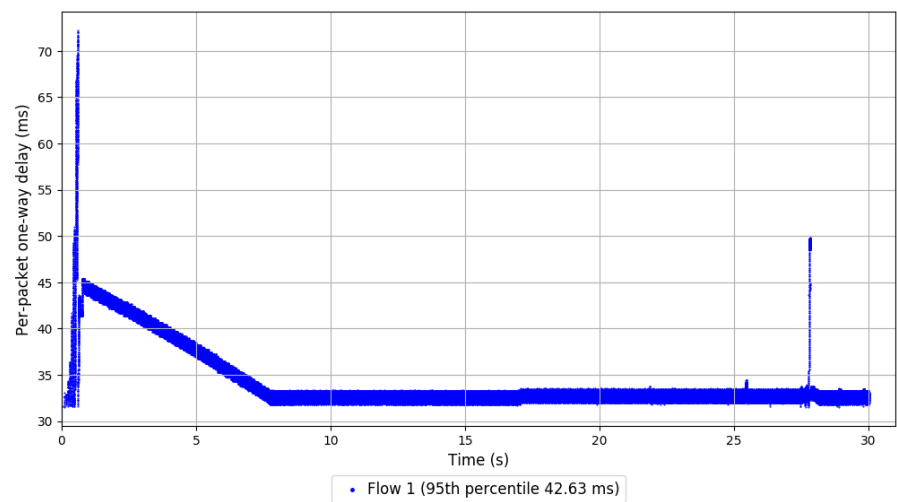
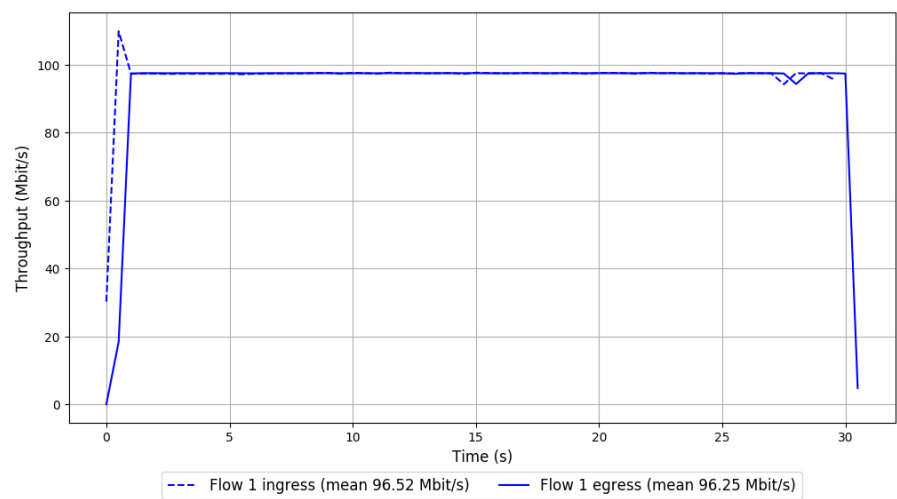
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 42.633 ms

Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link

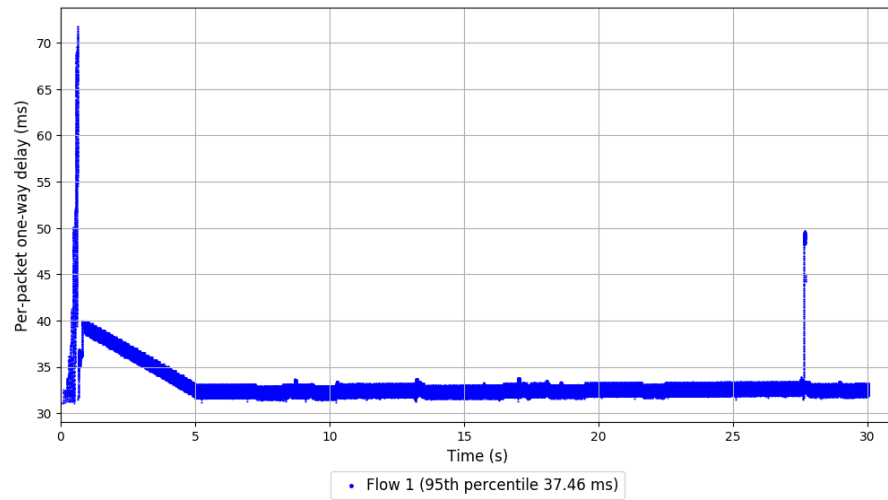
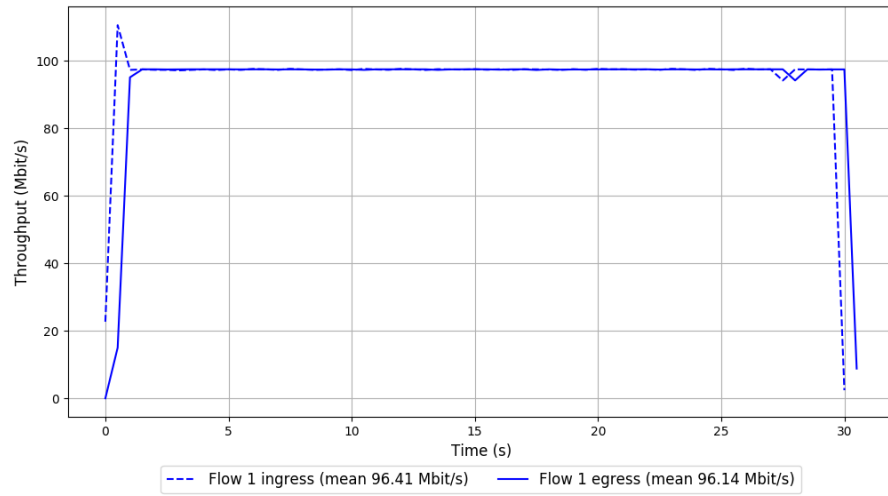


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 10:08:06
End at: 2018-07-17 10:08:36
Local clock offset: 0.119 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2018-07-17 12:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 37.458 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 37.458 ms
Loss rate: 0.27%

Run 4: Report of TCP Vegas — Data Link

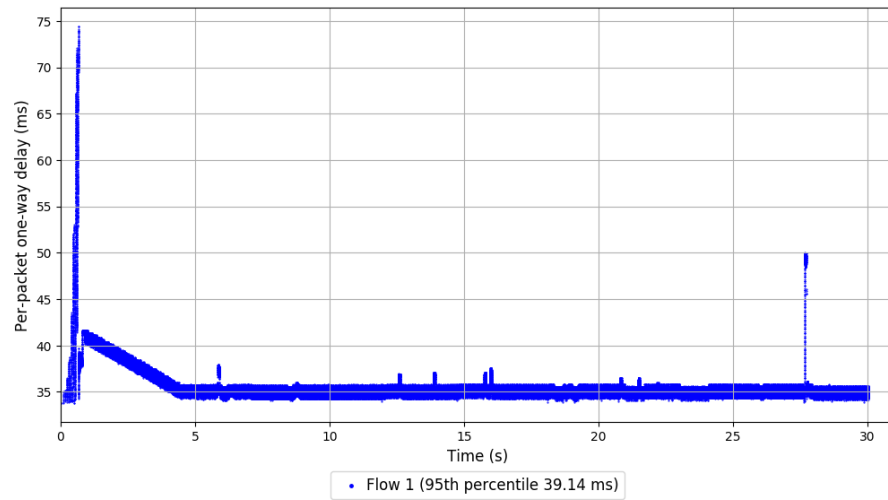
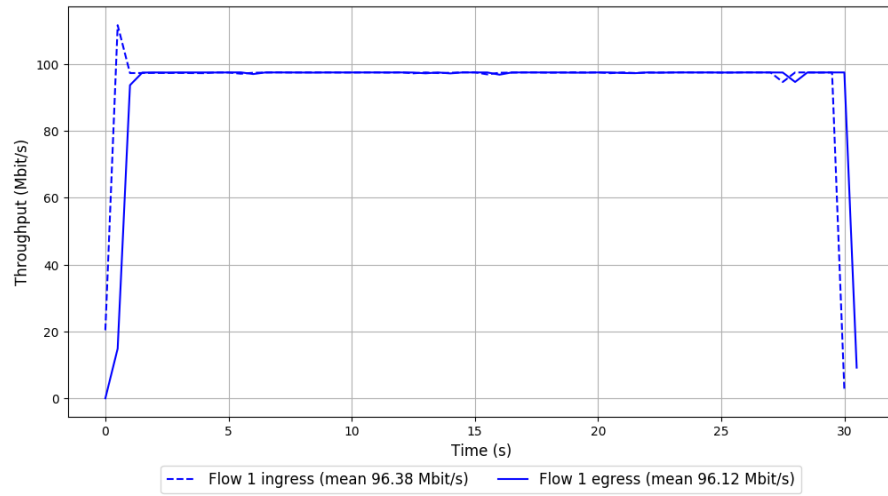


Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 10:30:26
End at: 2018-07-17 10:30:56
Local clock offset: 0.03 ms
Remote clock offset: -7.577 ms

Below is generated by plot.py at 2018-07-17 12:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 39.138 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 39.138 ms
Loss rate: 0.27%

Run 5: Report of TCP Vegas — Data Link

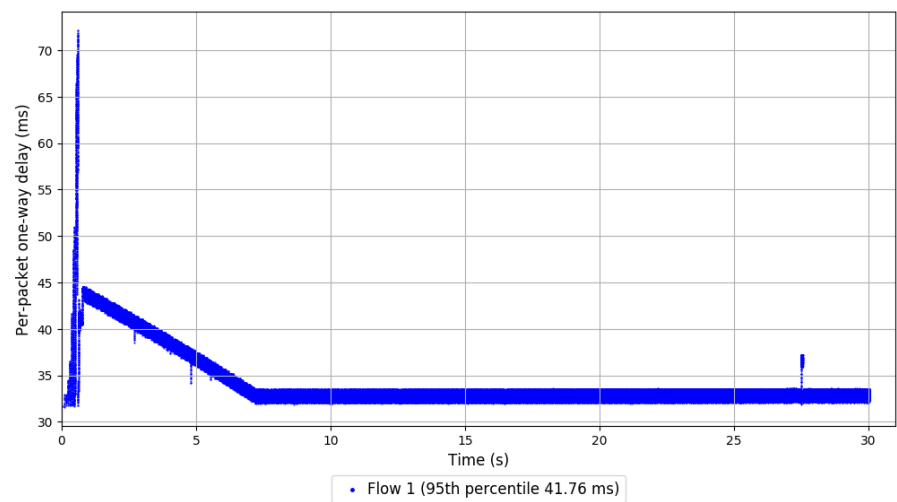
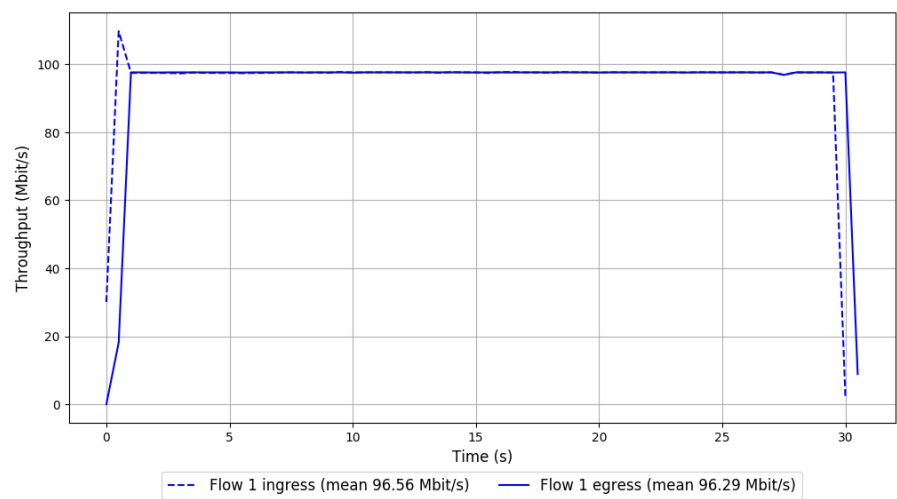


Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 10:52:45
End at: 2018-07-17 10:53:15
Local clock offset: -0.106 ms
Remote clock offset: -12.633 ms

Below is generated by plot.py at 2018-07-17 12:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 41.763 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 41.763 ms
Loss rate: 0.27%

Run 6: Report of TCP Vegas — Data Link

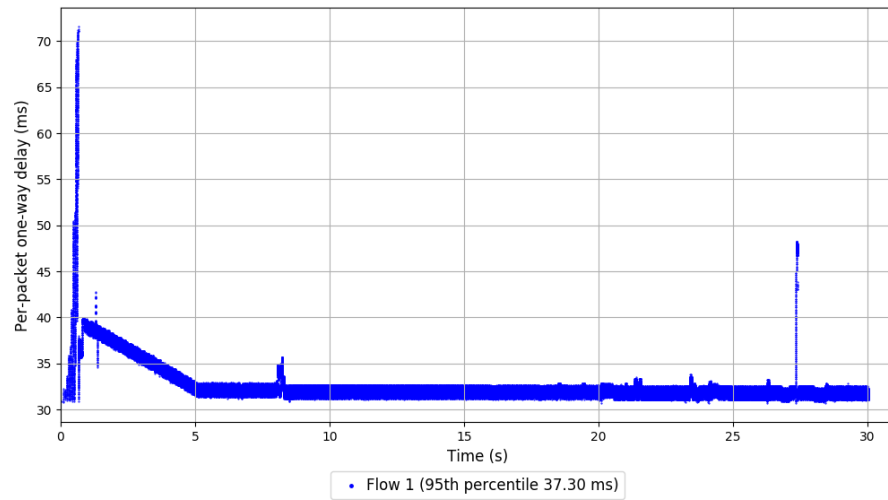
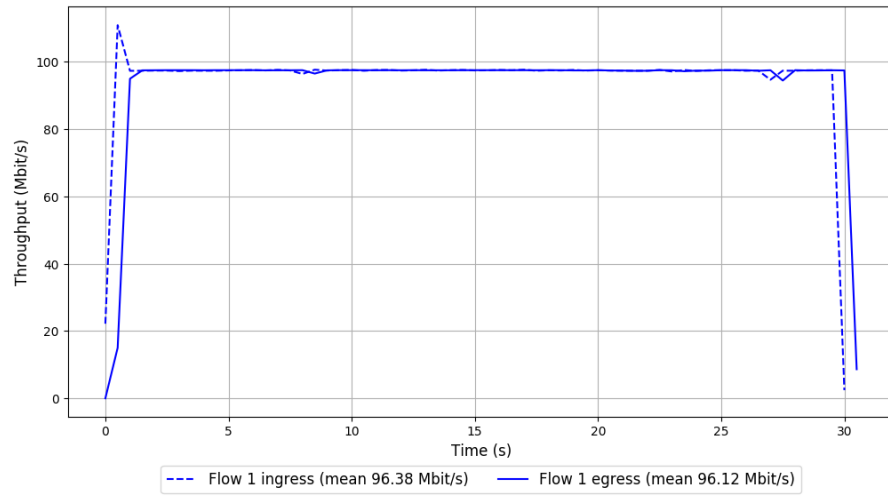


Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 11:15:00
End at: 2018-07-17 11:15:30
Local clock offset: -0.029 ms
Remote clock offset: -13.182 ms

Below is generated by plot.py at 2018-07-17 12:58:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 37.301 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 37.301 ms
Loss rate: 0.27%

Run 7: Report of TCP Vegas — Data Link

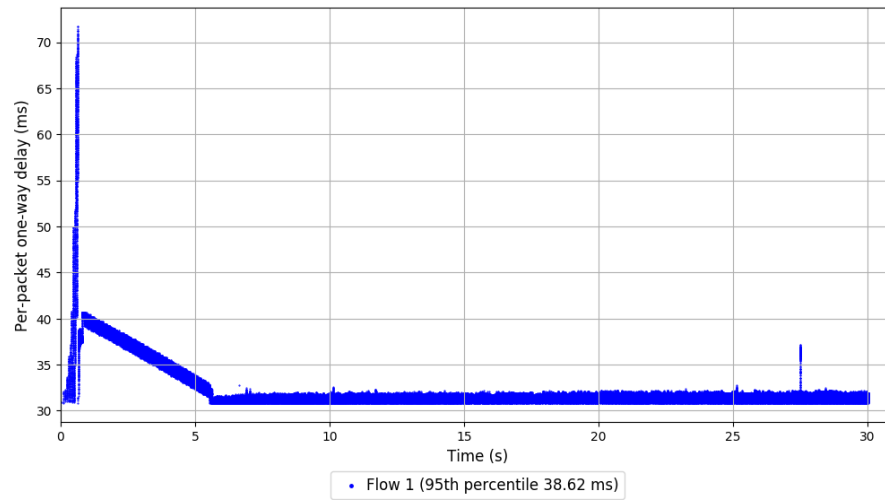
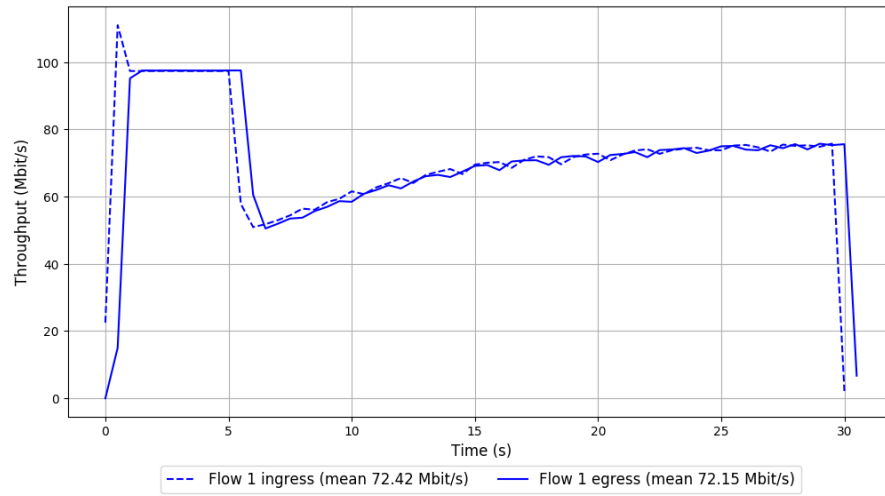


Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 11:37:13
End at: 2018-07-17 11:37:43
Local clock offset: 0.033 ms
Remote clock offset: -10.73 ms

Below is generated by plot.py at 2018-07-17 12:58:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 38.621 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 38.621 ms
Loss rate: 0.37%

Run 8: Report of TCP Vegas — Data Link

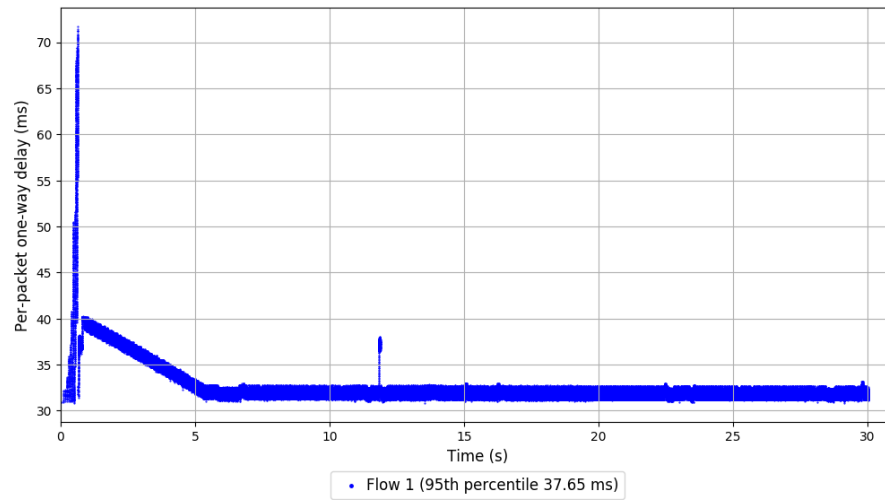
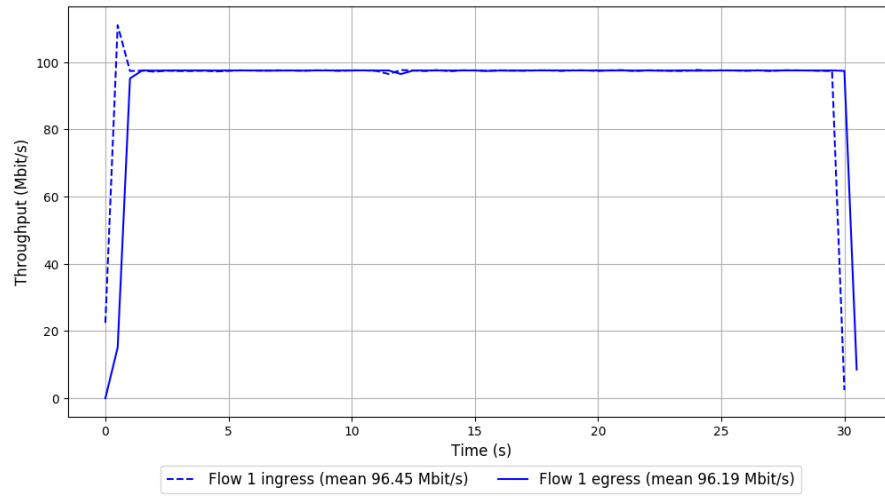


Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 11:59:31
End at: 2018-07-17 12:00:01
Local clock offset: 0.005 ms
Remote clock offset: -3.008 ms

Below is generated by plot.py at 2018-07-17 12:58:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 37.653 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 37.653 ms
Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 12:21:50

End at: 2018-07-17 12:22:20

Local clock offset: 0.031 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-17 12:58:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 42.464 ms

Loss rate: 0.27%

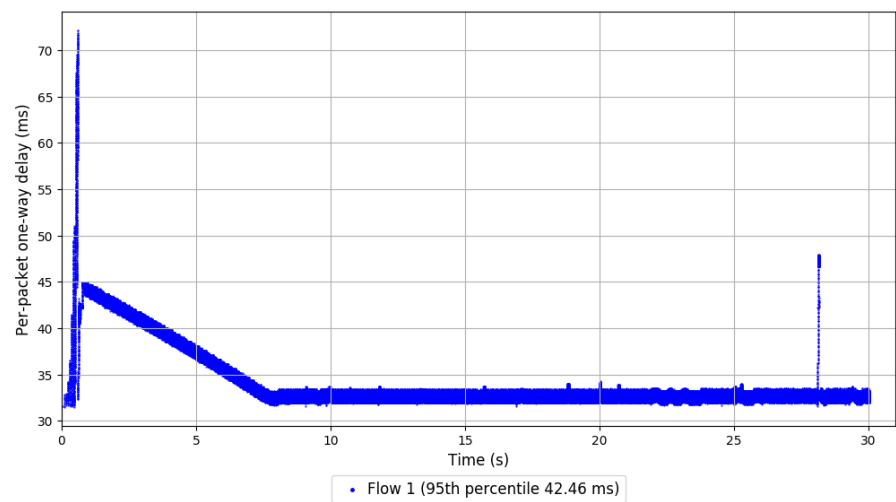
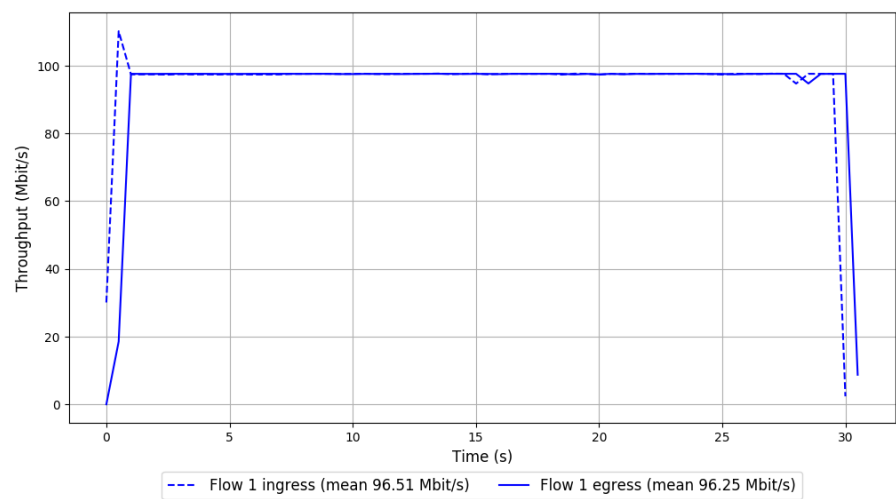
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 42.464 ms

Loss rate: 0.27%

Run 10: Report of TCP Vegas — Data Link

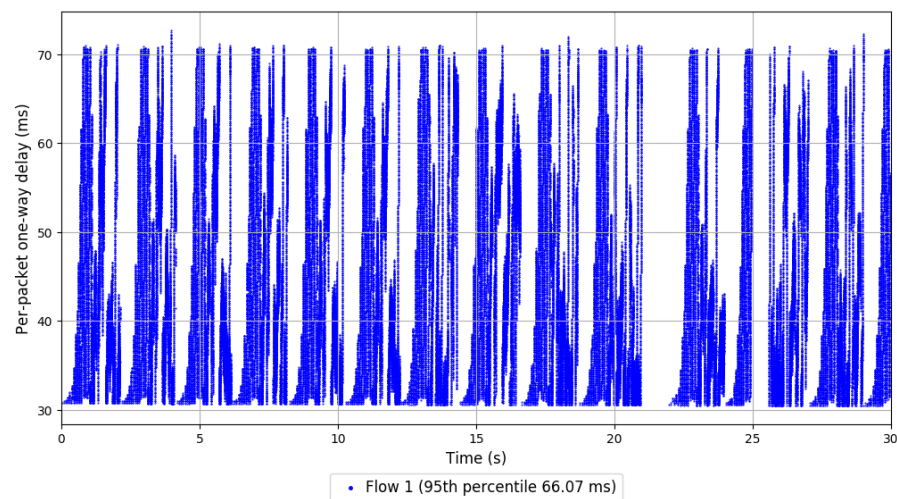
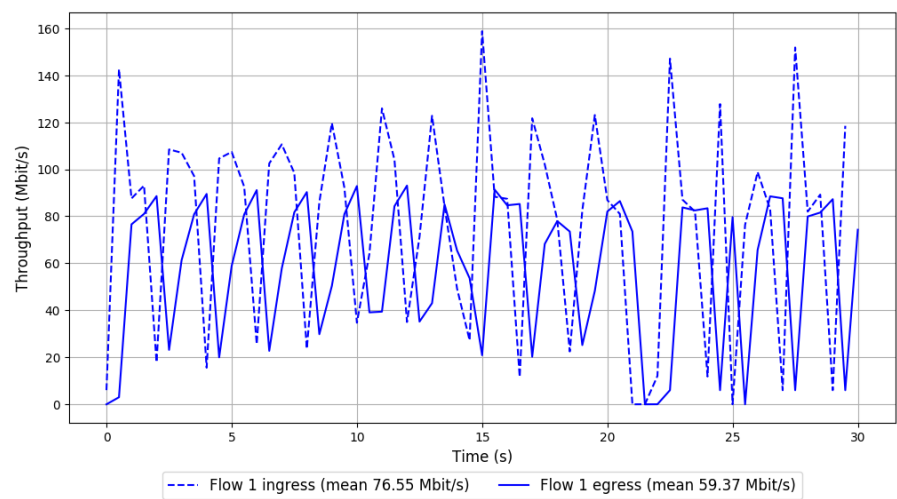


Run 1: Statistics of Verus

Start at: 2018-07-17 08:57:24
End at: 2018-07-17 08:57:54
Local clock offset: -0.104 ms
Remote clock offset: -7.695 ms

Below is generated by plot.py at 2018-07-17 12:58:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 66.074 ms
Loss rate: 22.38%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 66.074 ms
Loss rate: 22.38%

Run 1: Report of Verus — Data Link

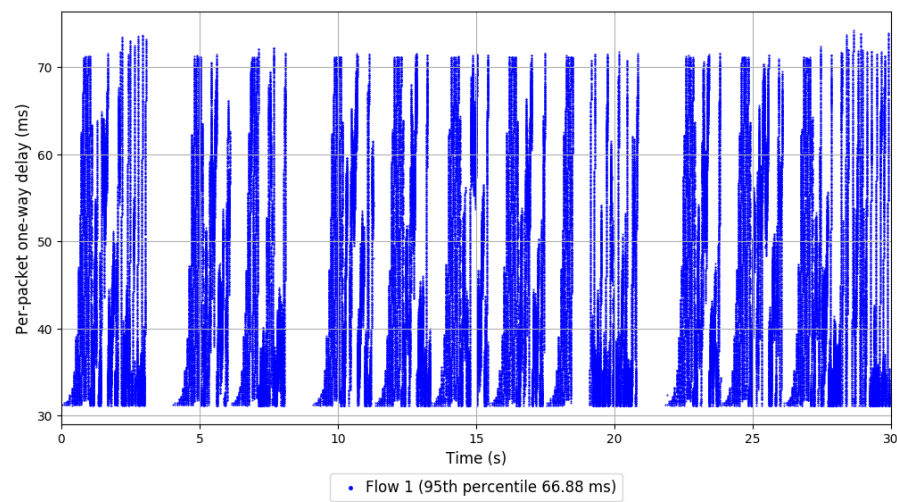
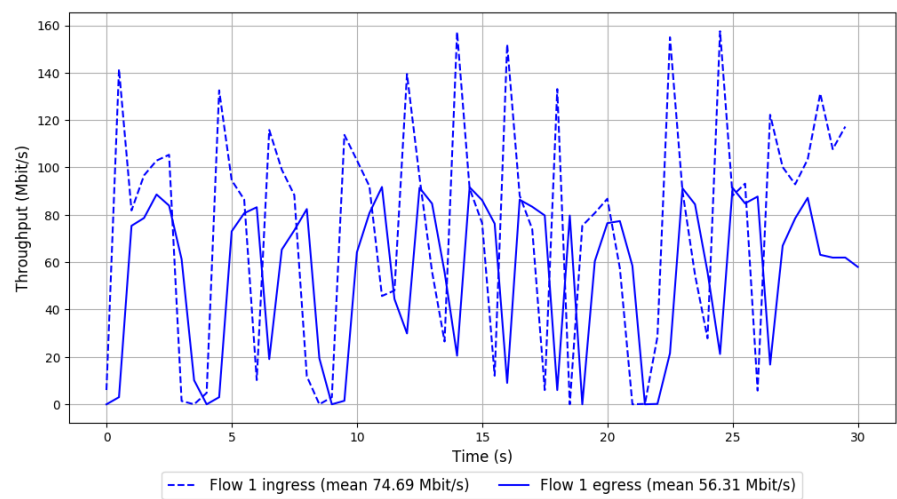


Run 2: Statistics of Verus

Start at: 2018-07-17 09:19:34
End at: 2018-07-17 09:20:04
Local clock offset: -0.067 ms
Remote clock offset: -1.078 ms

Below is generated by plot.py at 2018-07-17 12:58:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 66.883 ms
Loss rate: 24.60%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 66.883 ms
Loss rate: 24.60%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-17 09:41:48

End at: 2018-07-17 09:42:18

Local clock offset: 0.157 ms

Remote clock offset: 4.318 ms

Below is generated by plot.py at 2018-07-17 12:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.19 Mbit/s

95th percentile per-packet one-way delay: 69.201 ms

Loss rate: 21.88%

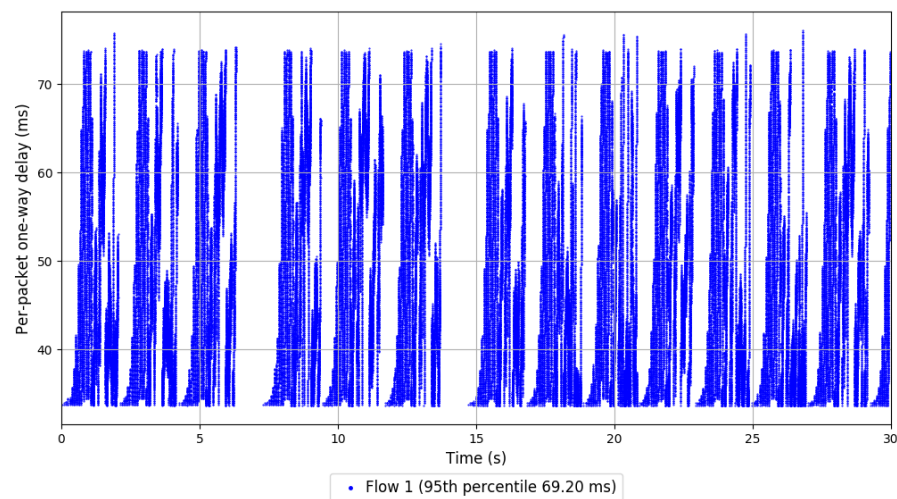
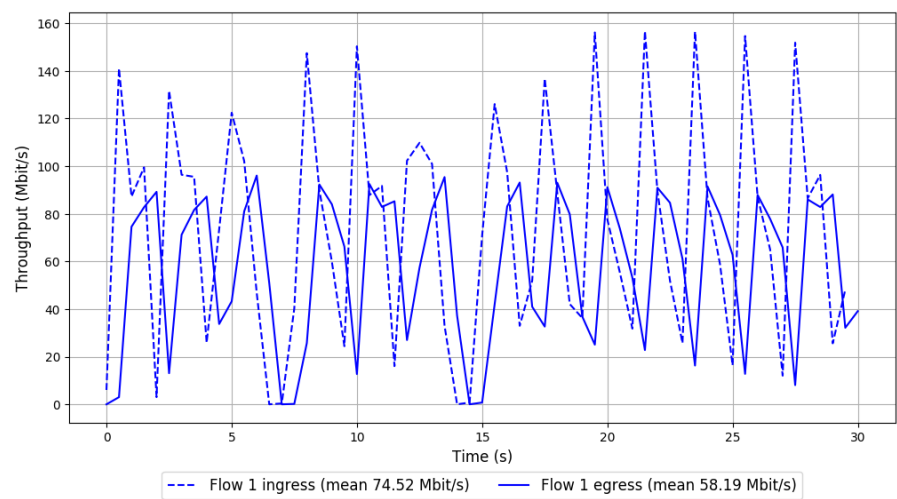
-- Flow 1:

Average throughput: 58.19 Mbit/s

95th percentile per-packet one-way delay: 69.201 ms

Loss rate: 21.88%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-17 10:04:07

End at: 2018-07-17 10:04:37

Local clock offset: 0.139 ms

Remote clock offset: 5.542 ms

Below is generated by plot.py at 2018-07-17 12:58:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 70.293 ms

Loss rate: 33.50%

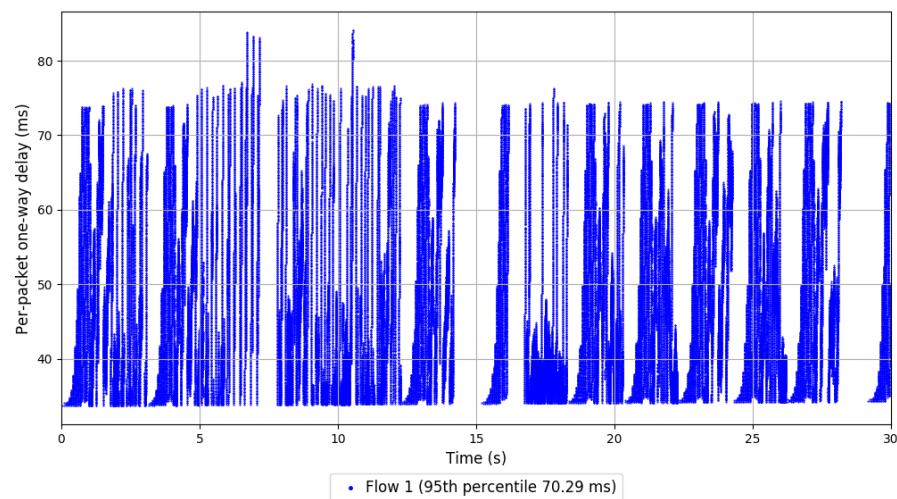
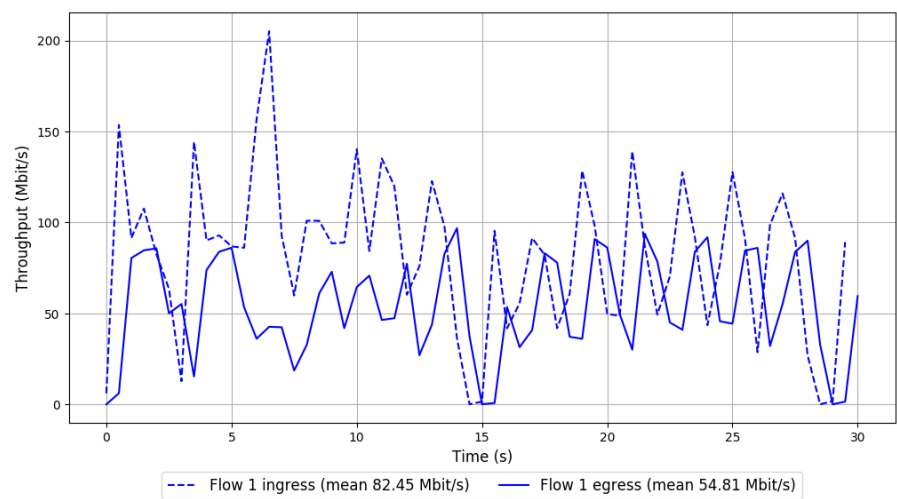
-- Flow 1:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 70.293 ms

Loss rate: 33.50%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-17 10:26:27

End at: 2018-07-17 10:26:57

Local clock offset: 0.019 ms

Remote clock offset: -9.14 ms

Below is generated by plot.py at 2018-07-17 12:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 66.806 ms

Loss rate: 22.98%

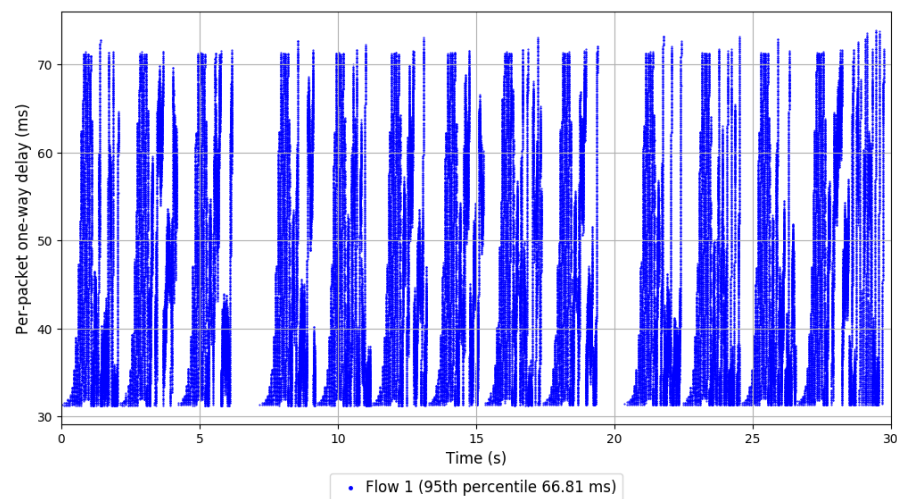
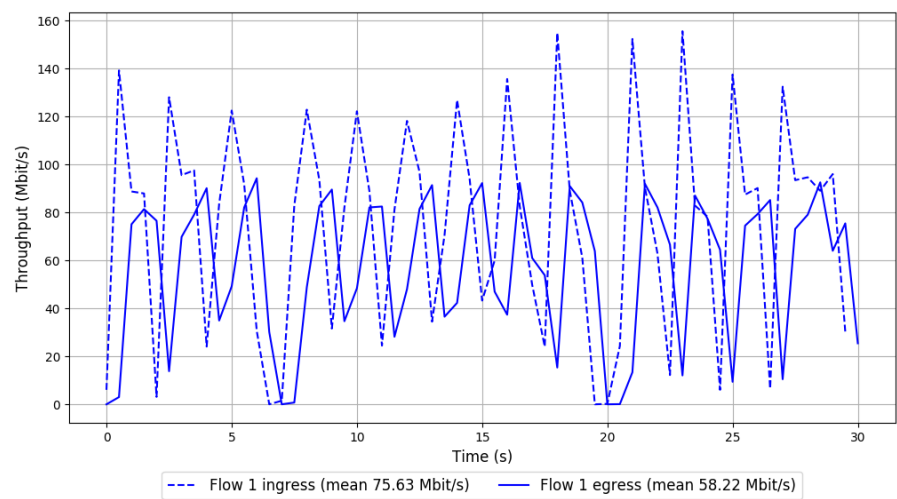
-- Flow 1:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 66.806 ms

Loss rate: 22.98%

Run 5: Report of Verus — Data Link

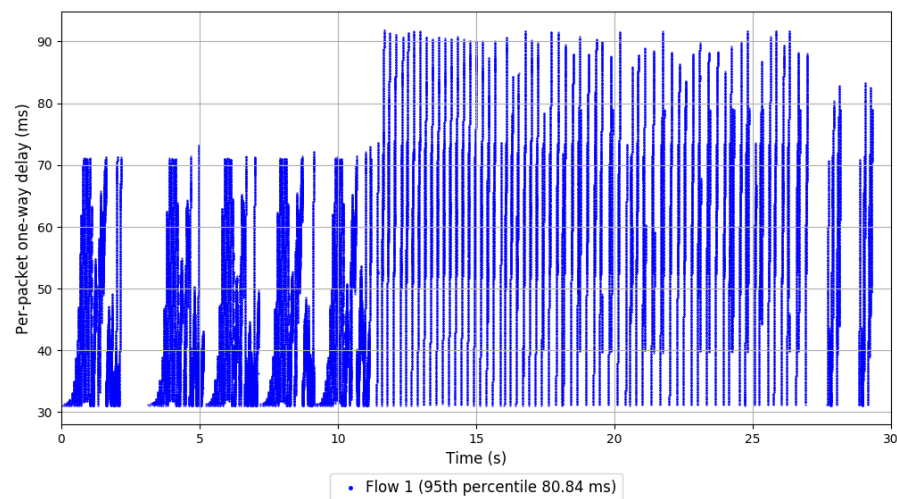
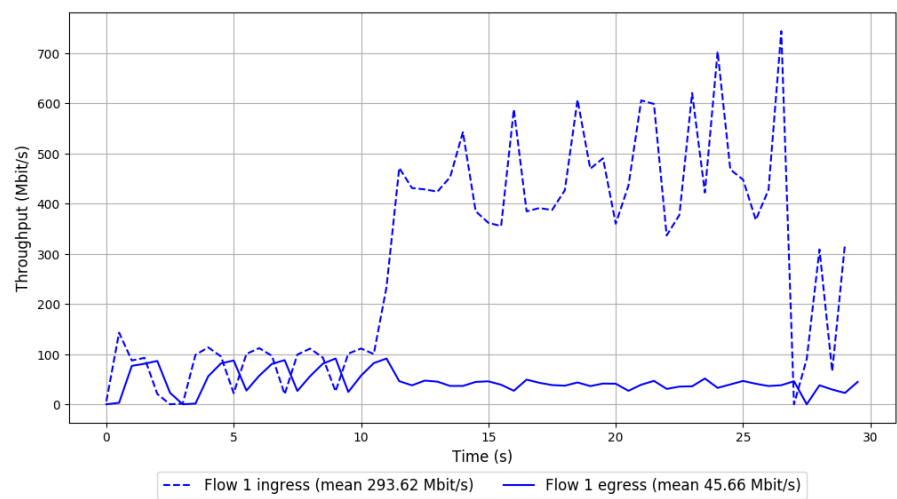


Run 6: Statistics of Verus

Start at: 2018-07-17 10:48:44
End at: 2018-07-17 10:49:14
Local clock offset: -0.148 ms
Remote clock offset: -12.05 ms

Below is generated by plot.py at 2018-07-17 12:59:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 80.840 ms
Loss rate: 84.43%
-- Flow 1:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 80.840 ms
Loss rate: 84.43%

Run 6: Report of Verus — Data Link

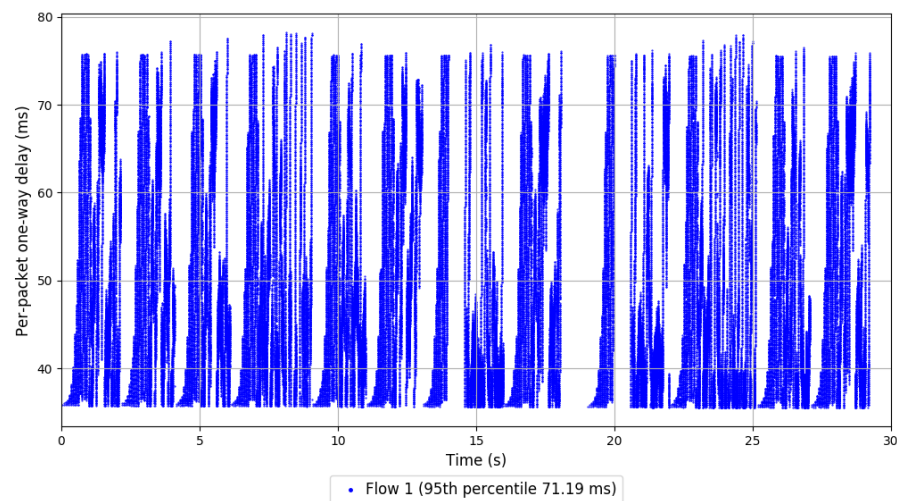
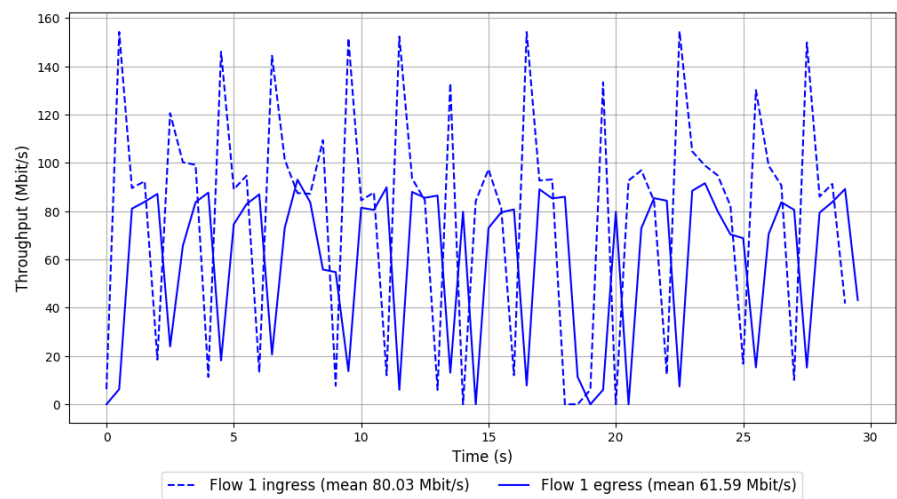


Run 7: Statistics of Verus

Start at: 2018-07-17 11:11:01
End at: 2018-07-17 11:11:31
Local clock offset: -0.02 ms
Remote clock offset: -9.856 ms

Below is generated by plot.py at 2018-07-17 12:59:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 71.191 ms
Loss rate: 23.00%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 71.191 ms
Loss rate: 23.00%

Run 7: Report of Verus — Data Link

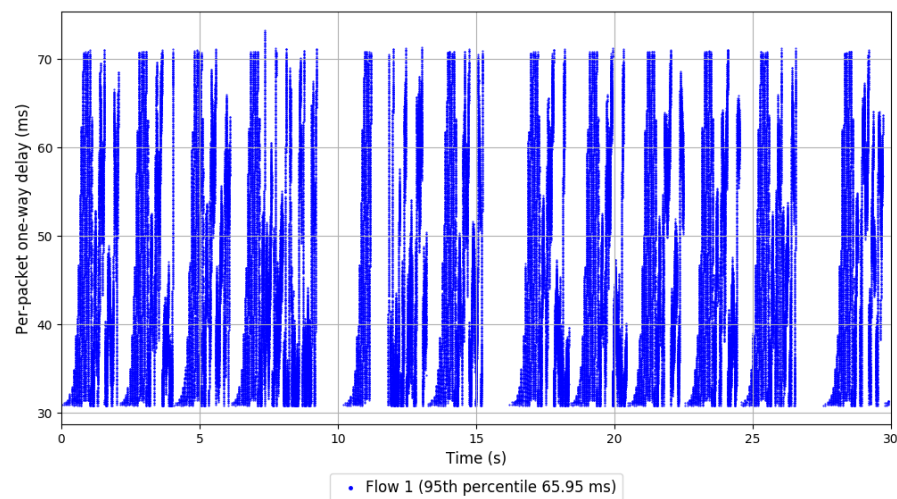
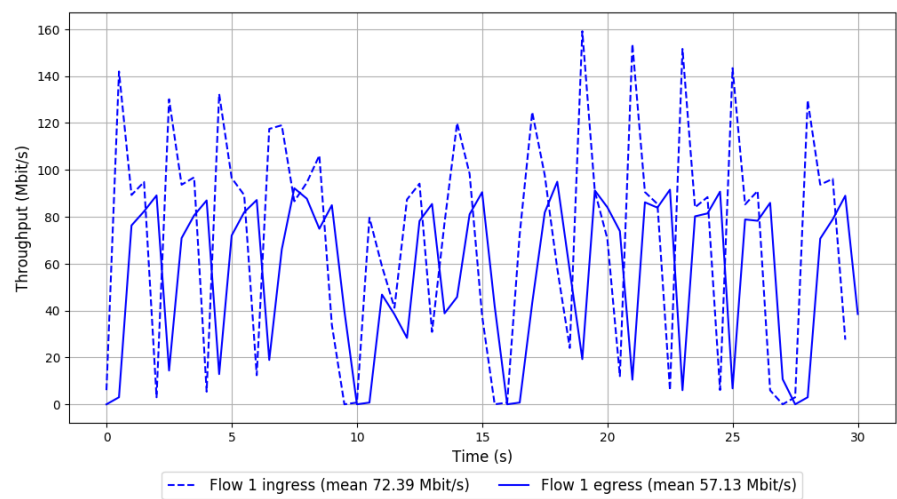


Run 8: Statistics of Verus

Start at: 2018-07-17 11:33:14
End at: 2018-07-17 11:33:44
Local clock offset: 0.011 ms
Remote clock offset: -10.859 ms

Below is generated by plot.py at 2018-07-17 12:59:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 65.955 ms
Loss rate: 21.08%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 65.955 ms
Loss rate: 21.08%

Run 8: Report of Verus — Data Link

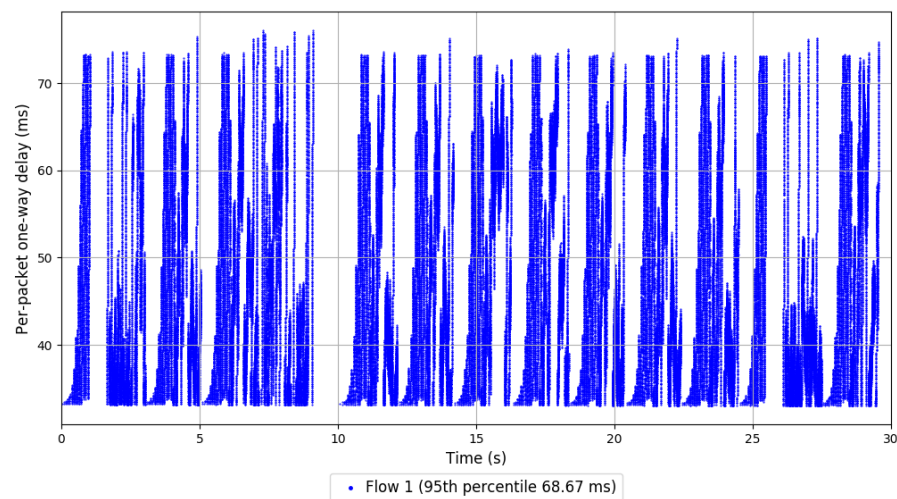
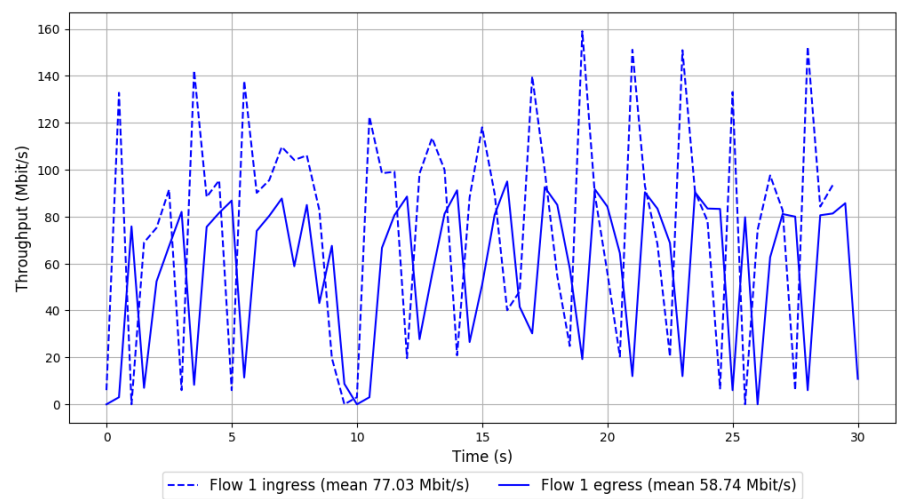


Run 9: Statistics of Verus

Start at: 2018-07-17 11:55:31
End at: 2018-07-17 11:56:01
Local clock offset: 0.037 ms
Remote clock offset: -1.843 ms

Below is generated by plot.py at 2018-07-17 12:59:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 68.671 ms
Loss rate: 23.69%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 68.671 ms
Loss rate: 23.69%

Run 9: Report of Verus — Data Link

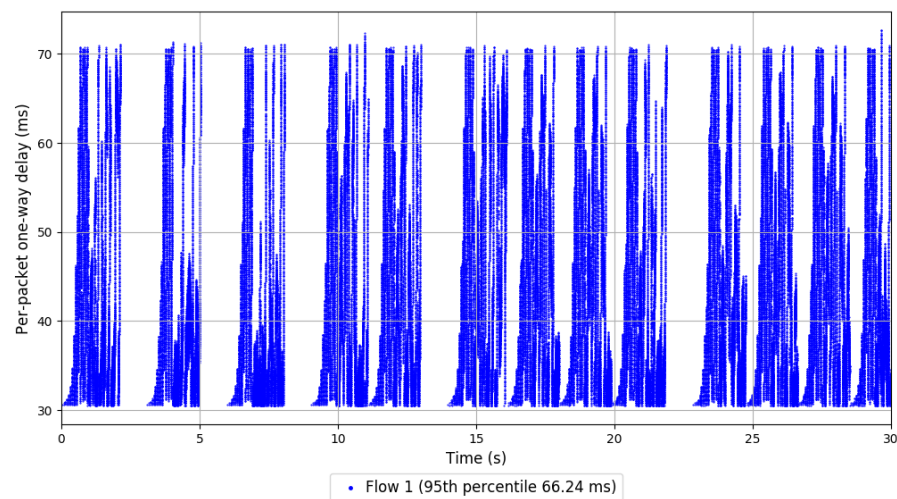
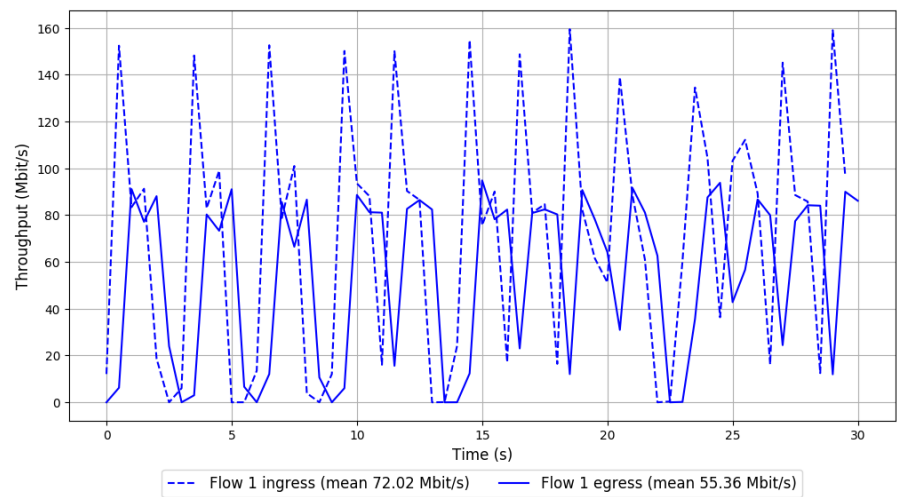


Run 10: Statistics of Verus

Start at: 2018-07-17 12:17:51
End at: 2018-07-17 12:18:21
Local clock offset: -0.16 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-17 12:59:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 66.242 ms
Loss rate: 23.12%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 66.242 ms
Loss rate: 23.12%

Run 10: Report of Verus — Data Link

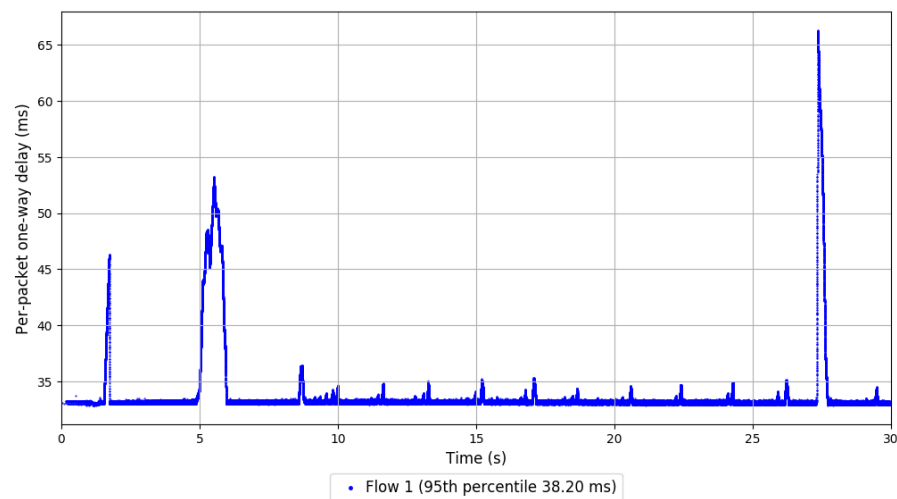
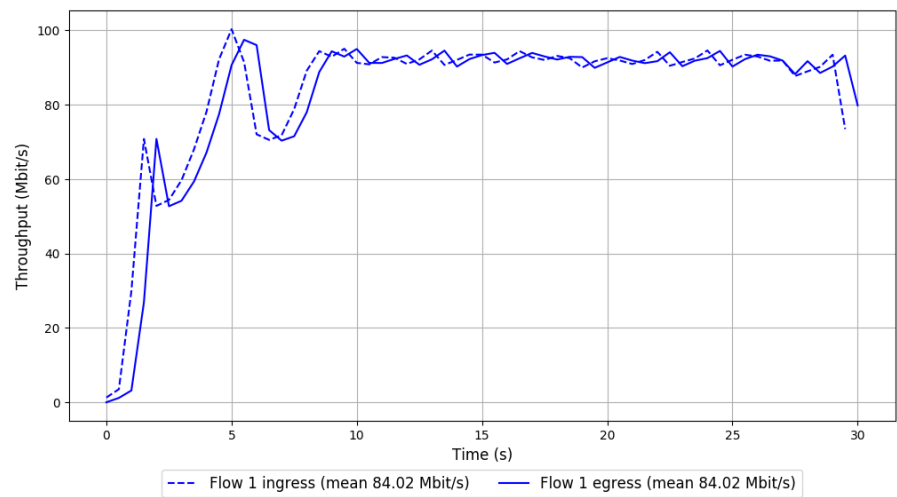


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 09:10:31
End at: 2018-07-17 09:11:01
Local clock offset: -0.086 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-07-17 12:59:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 38.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 38.197 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 09:32:42

End at: 2018-07-17 09:33:12

Local clock offset: 0.163 ms

Remote clock offset: 0.908 ms

Below is generated by plot.py at 2018-07-17 12:59:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 33.707 ms

Loss rate: 0.00%

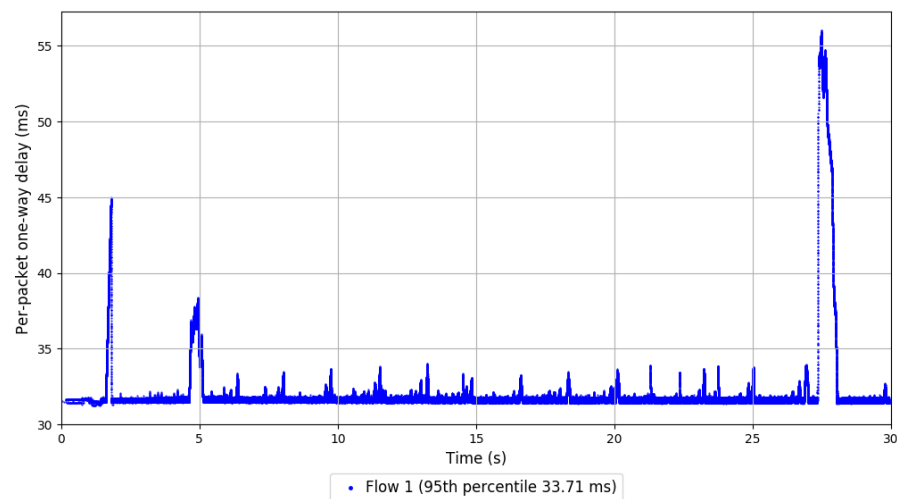
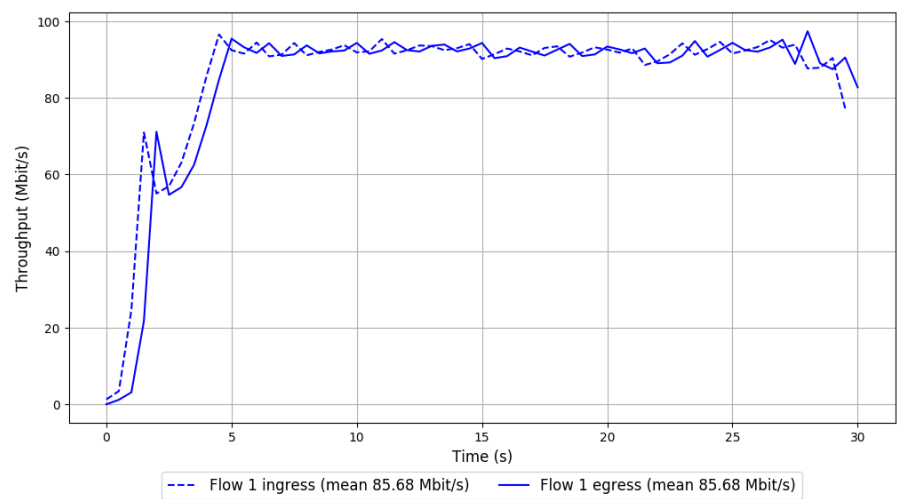
-- Flow 1:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 33.707 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 09:54:58

End at: 2018-07-17 09:55:28

Local clock offset: 0.08 ms

Remote clock offset: 8.667 ms

Below is generated by plot.py at 2018-07-17 12:59:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 42.199 ms

Loss rate: 0.00%

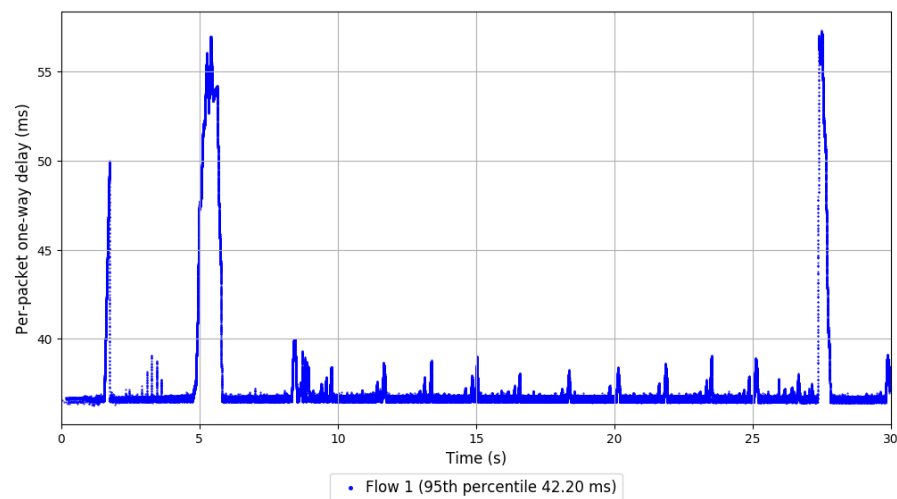
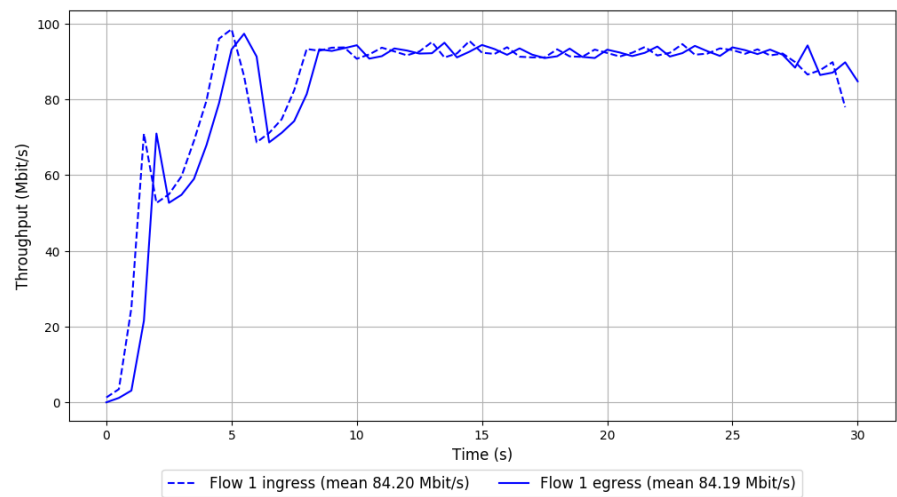
-- Flow 1:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 42.199 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

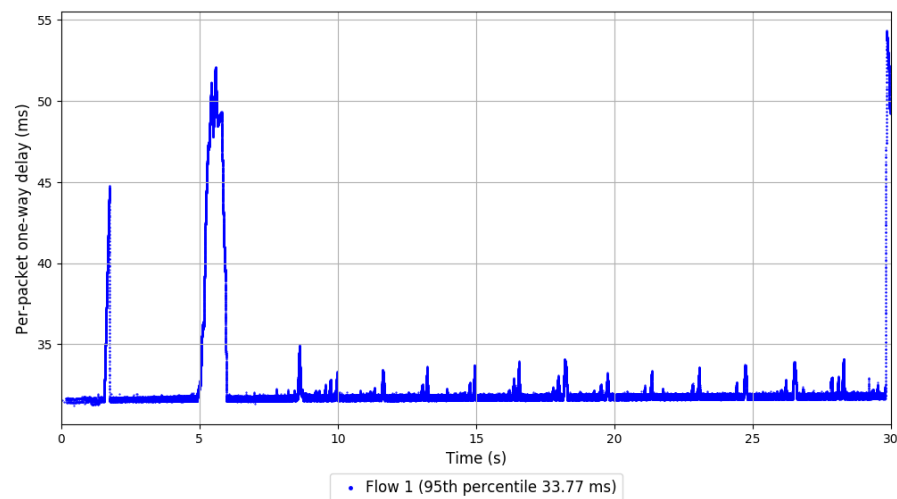
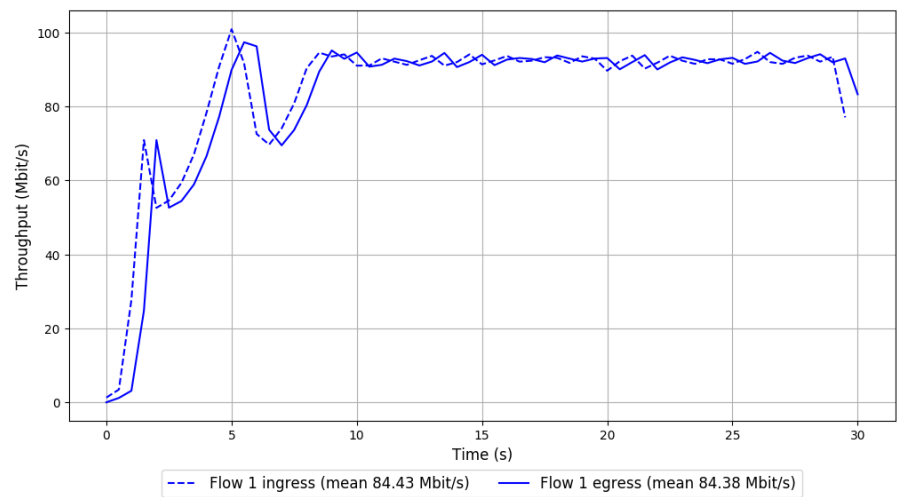


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 10:17:18
End at: 2018-07-17 10:17:48
Local clock offset: 0.001 ms
Remote clock offset: -6.537 ms

Below is generated by plot.py at 2018-07-17 13:00:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 33.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 33.772 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

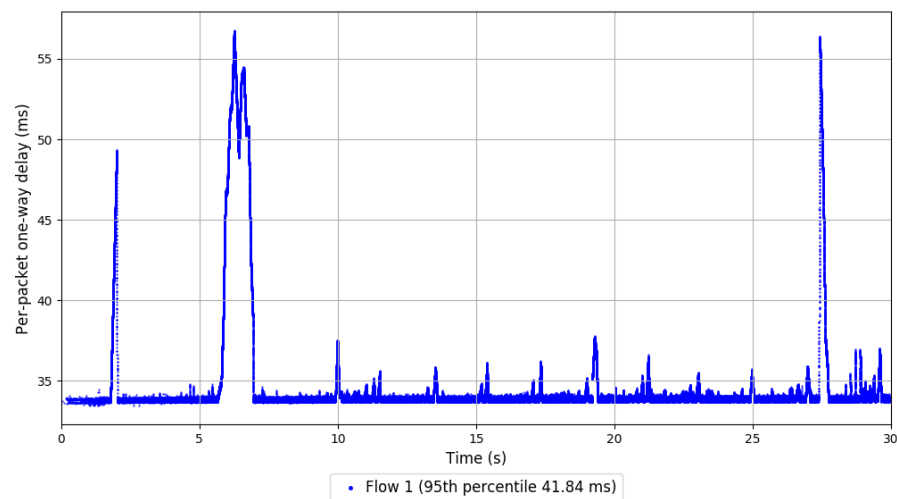
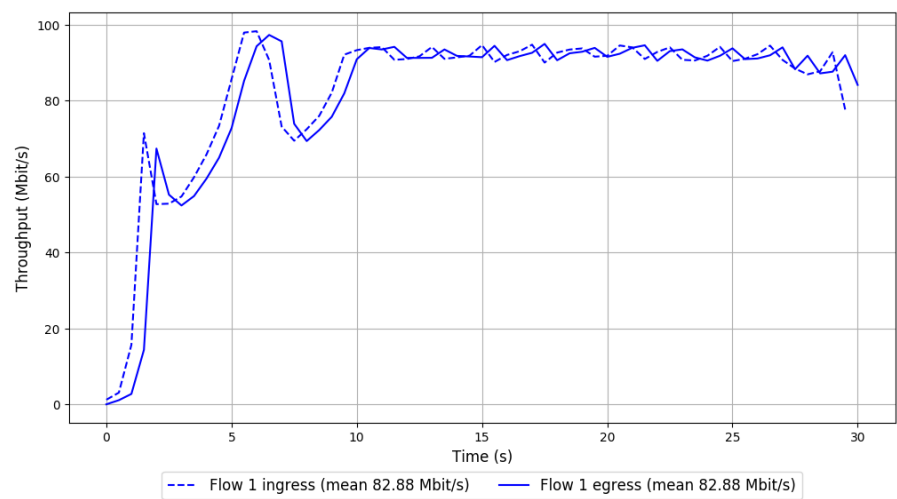


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-17 10:39:37
End at: 2018-07-17 10:40:07
Local clock offset: -0.027 ms
Remote clock offset: -9.021 ms

Below is generated by plot.py at 2018-07-17 13:00:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.88 Mbit/s
95th percentile per-packet one-way delay: 41.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.88 Mbit/s
95th percentile per-packet one-way delay: 41.836 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

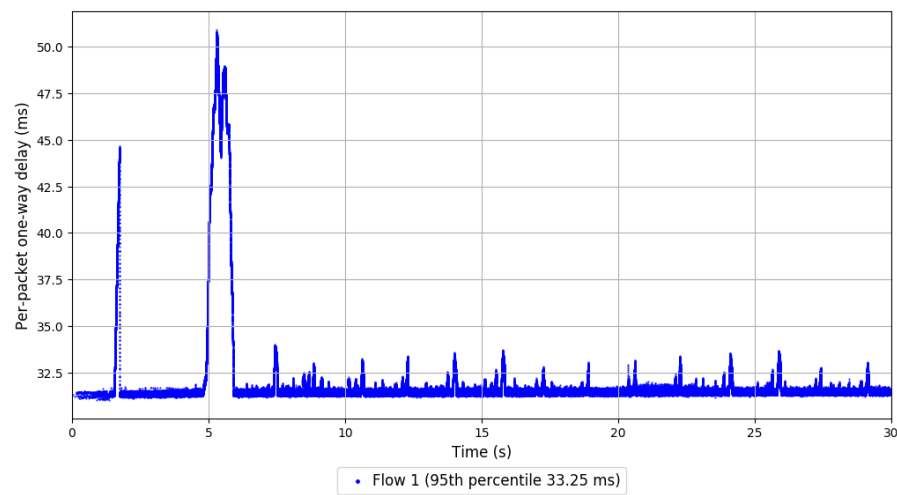
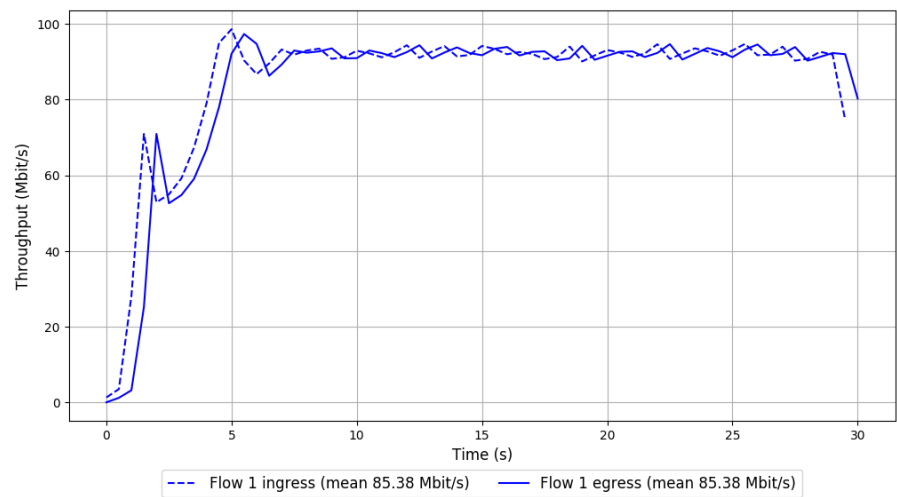


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 11:01:55
End at: 2018-07-17 11:02:25
Local clock offset: -0.016 ms
Remote clock offset: -14.052 ms

Below is generated by plot.py at 2018-07-17 13:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 33.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 33.253 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

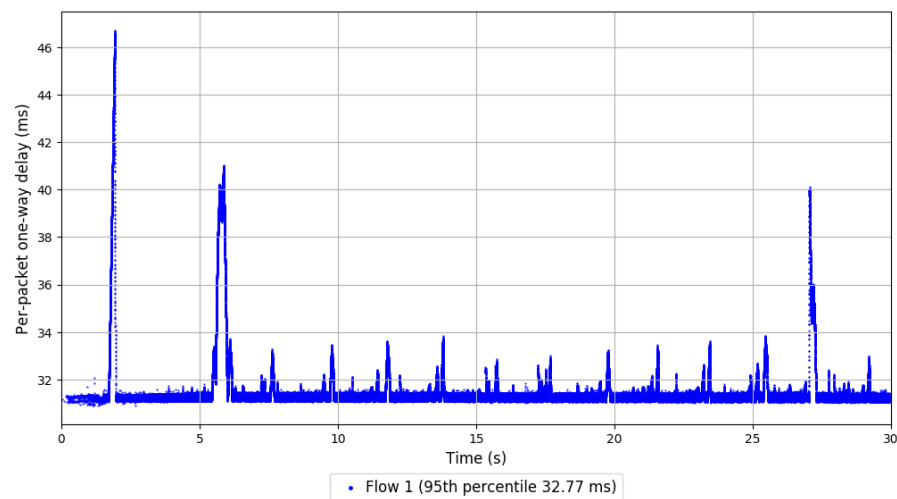
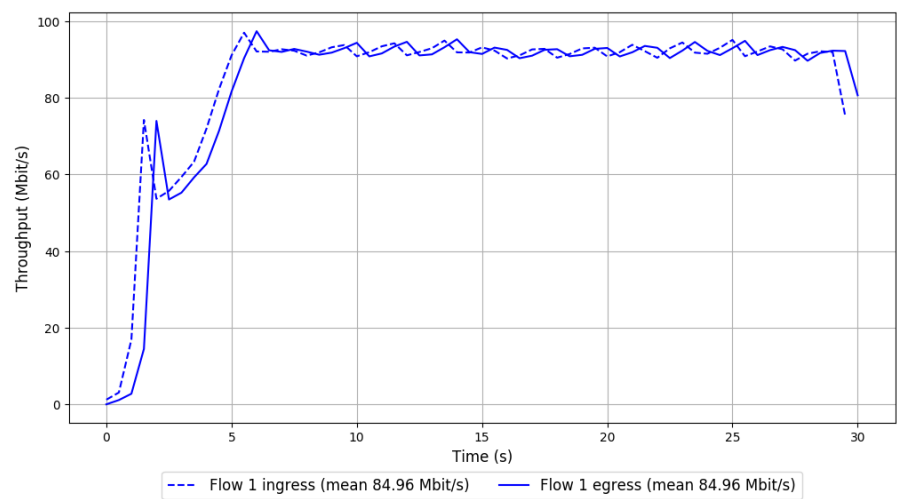


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 11:24:08
End at: 2018-07-17 11:24:38
Local clock offset: 0.017 ms
Remote clock offset: -11.742 ms

Below is generated by plot.py at 2018-07-17 13:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 32.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 32.770 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 11:46:22

End at: 2018-07-17 11:46:52

Local clock offset: 0.006 ms

Remote clock offset: -9.571 ms

Below is generated by plot.py at 2018-07-17 13:00:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 32.522 ms

Loss rate: 0.00%

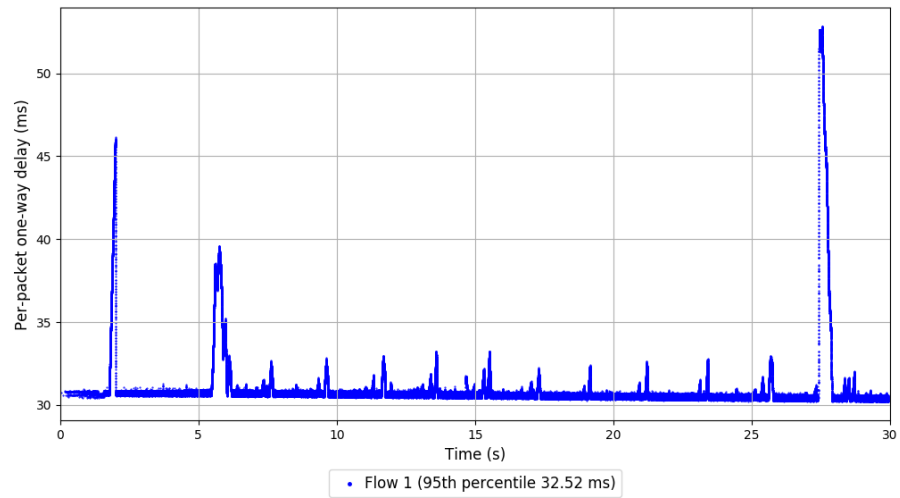
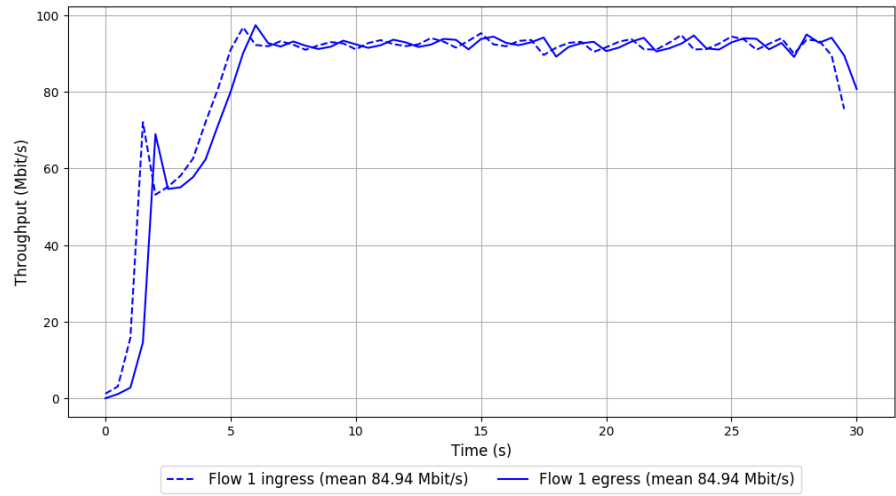
-- Flow 1:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 32.522 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-17 12:08:42

End at: 2018-07-17 12:09:12

Local clock offset: -0.052 ms

Remote clock offset: -1.21 ms

Below is generated by plot.py at 2018-07-17 13:00:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.71 Mbit/s

95th percentile per-packet one-way delay: 33.258 ms

Loss rate: 0.01%

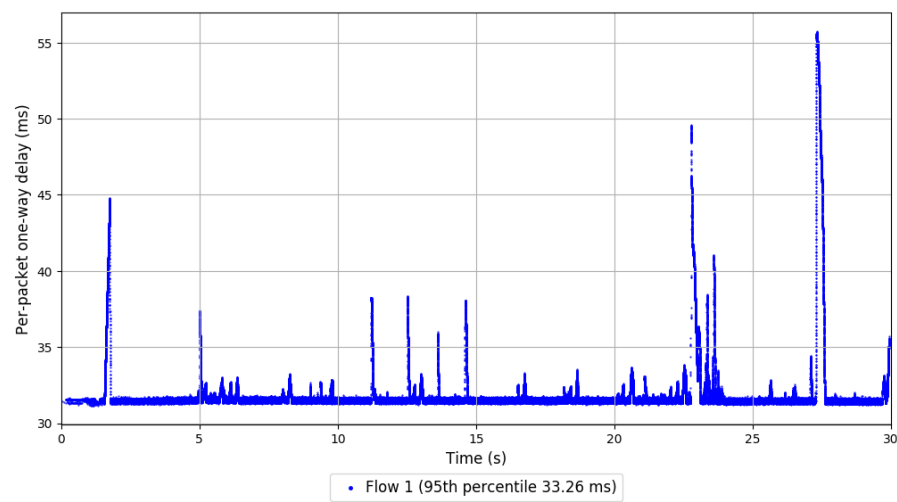
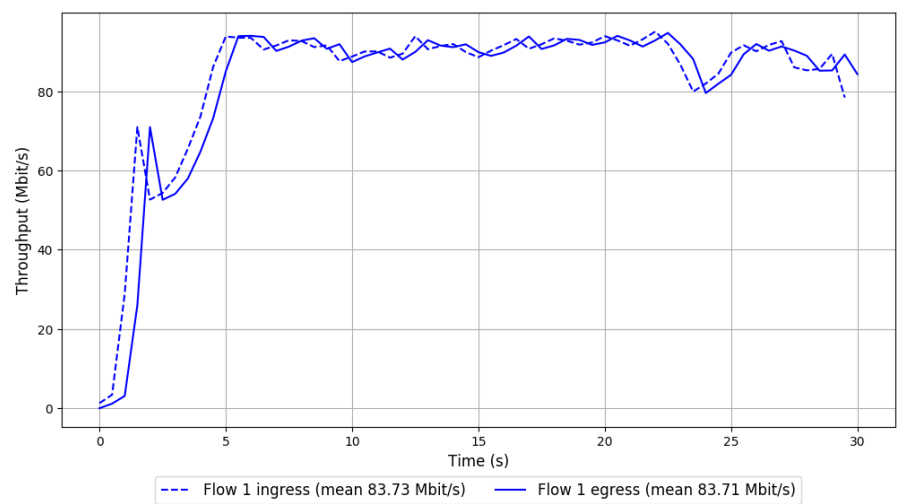
-- Flow 1:

Average throughput: 83.71 Mbit/s

95th percentile per-packet one-way delay: 33.258 ms

Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 12:30:59

End at: 2018-07-17 12:31:29

Local clock offset: 0.138 ms

Remote clock offset: 1.321 ms

Below is generated by plot.py at 2018-07-17 13:00:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.44 Mbit/s

95th percentile per-packet one-way delay: 38.751 ms

Loss rate: 0.15%

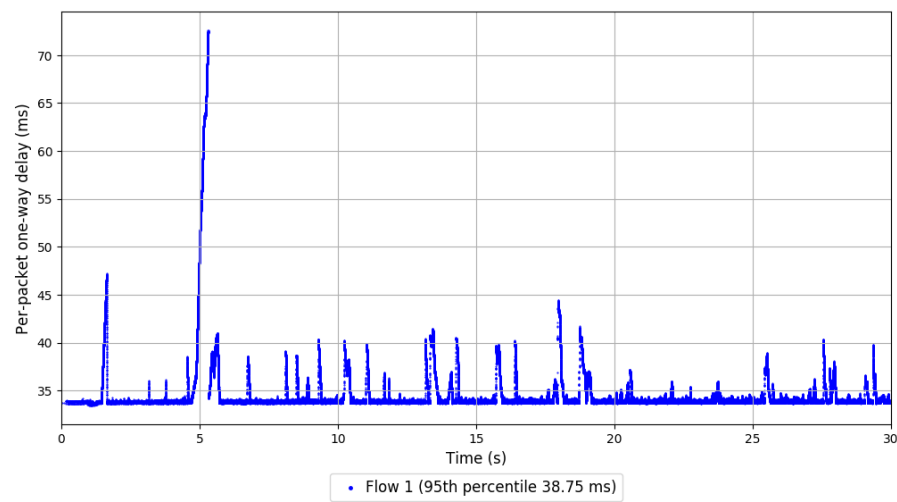
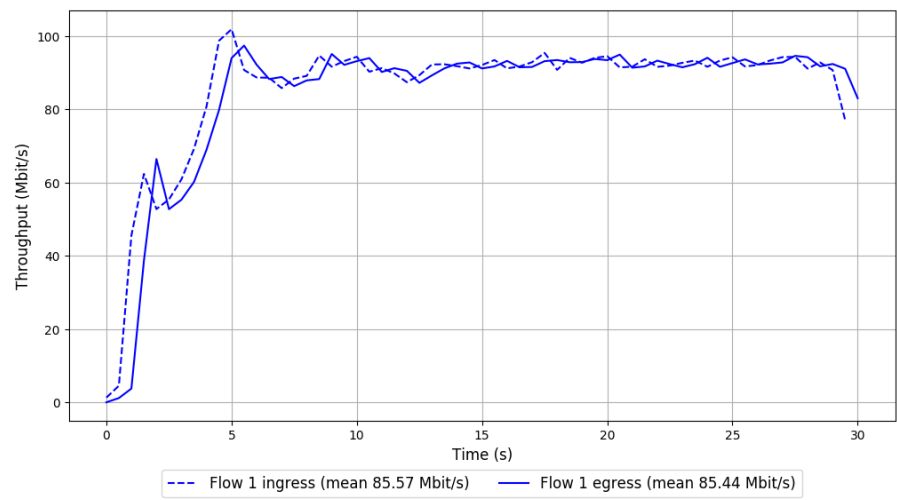
-- Flow 1:

Average throughput: 85.44 Mbit/s

95th percentile per-packet one-way delay: 38.751 ms

Loss rate: 0.15%

Run 10: Report of PCC-Vivace — Data Link

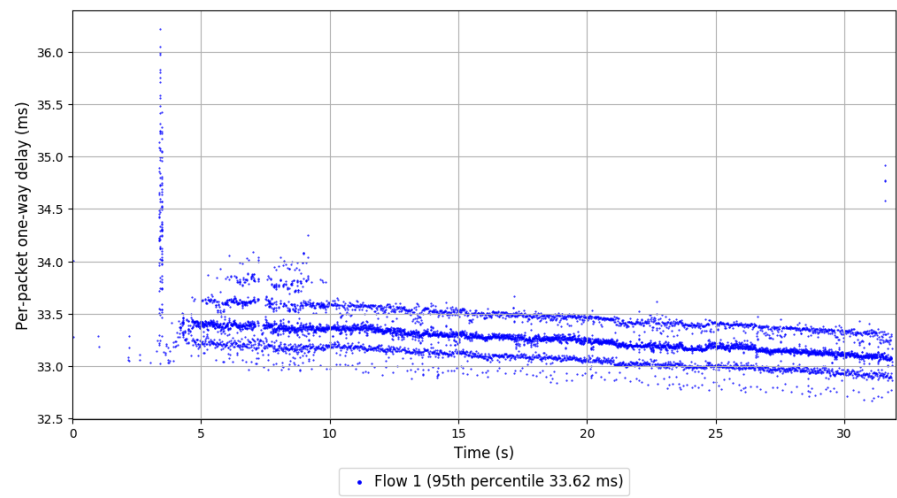
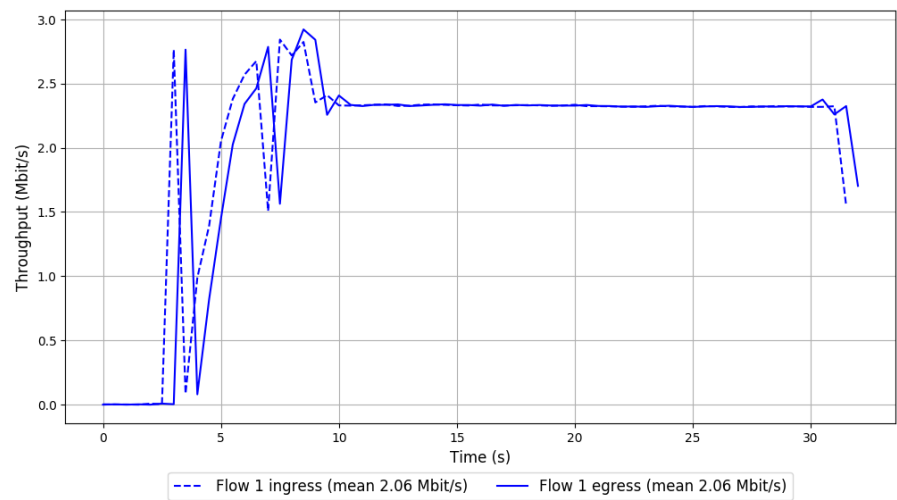


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-17 08:54:49
End at: 2018-07-17 08:55:19
Local clock offset: -0.171 ms
Remote clock offset: -7.089 ms

# Below is generated by plot.py at 2018-07-17 13:00:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 33.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 33.616 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-17 09:16:59

End at: 2018-07-17 09:17:29

Local clock offset: -0.134 ms

Remote clock offset: 1.034 ms

Below is generated by plot.py at 2018-07-17 13:00:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 33.486 ms

Loss rate: 0.00%

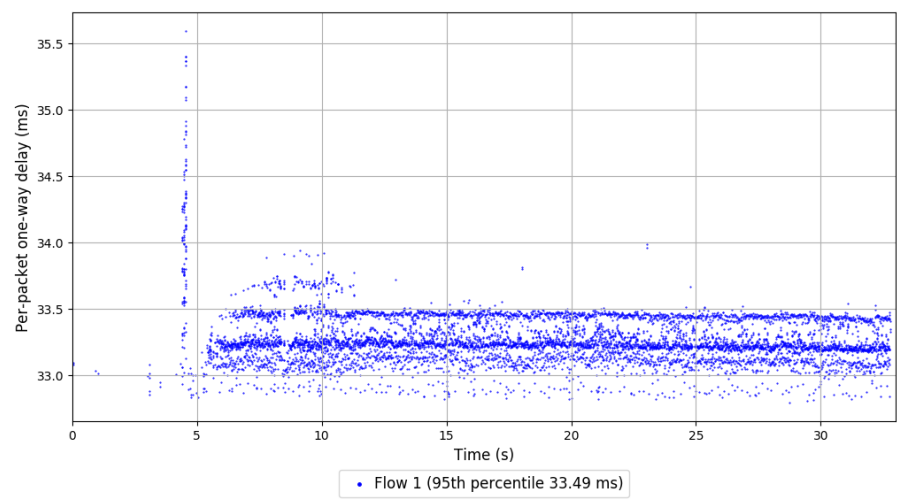
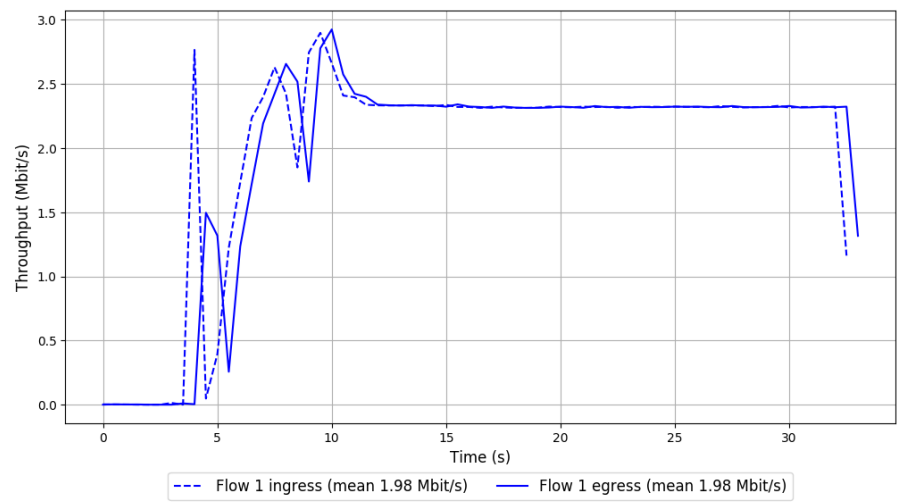
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 33.486 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-17 09:39:13

End at: 2018-07-17 09:39:43

Local clock offset: 0.147 ms

Remote clock offset: 4.003 ms

Below is generated by plot.py at 2018-07-17 13:00:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 34.168 ms

Loss rate: 0.00%

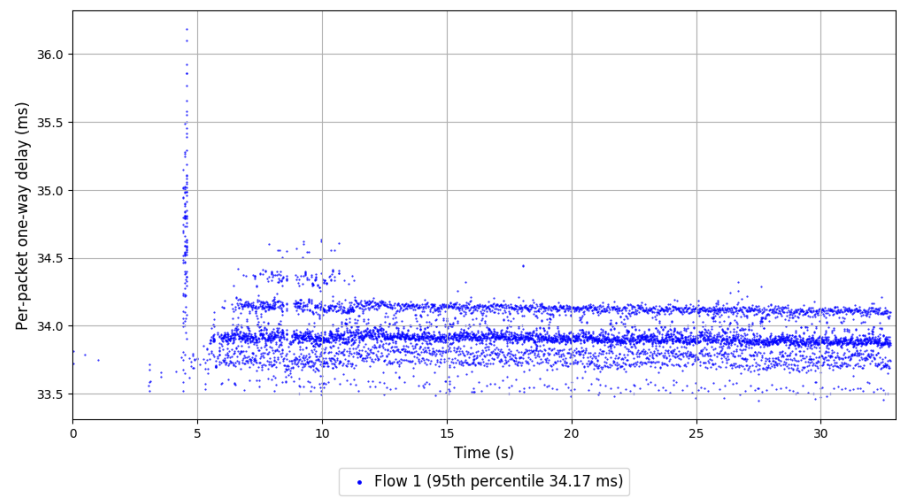
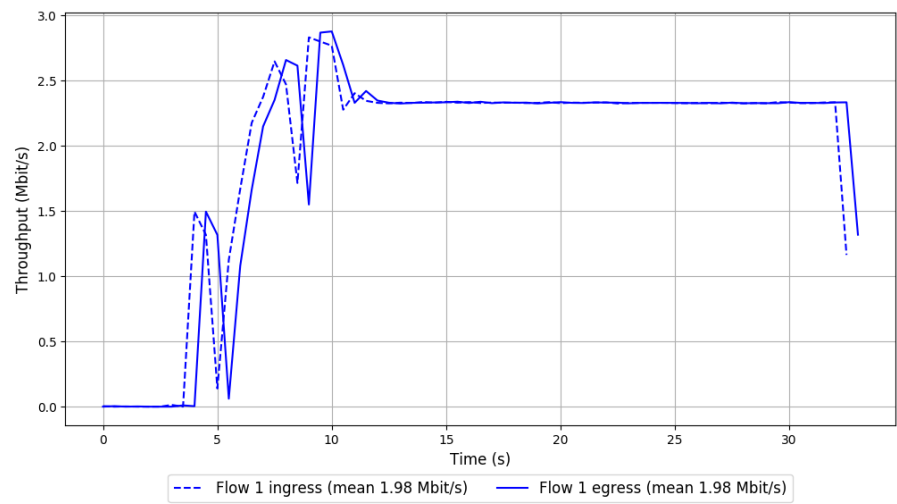
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 34.168 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-17 10:01:31

End at: 2018-07-17 10:02:01

Local clock offset: 0.066 ms

Remote clock offset: 6.718 ms

Below is generated by plot.py at 2018-07-17 13:00:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 33.489 ms

Loss rate: 0.00%

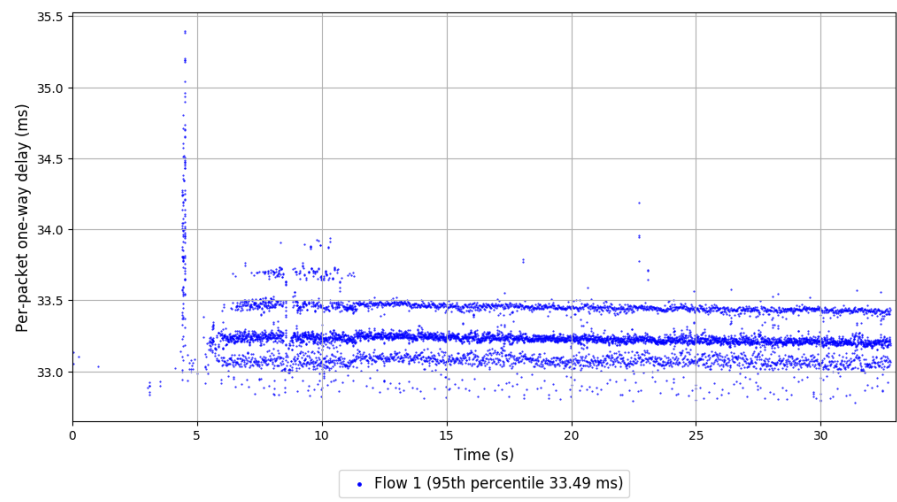
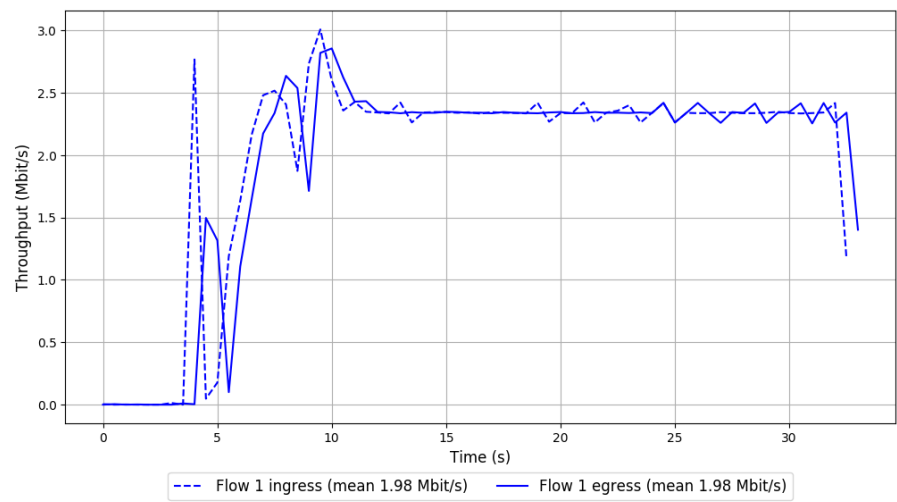
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 33.489 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

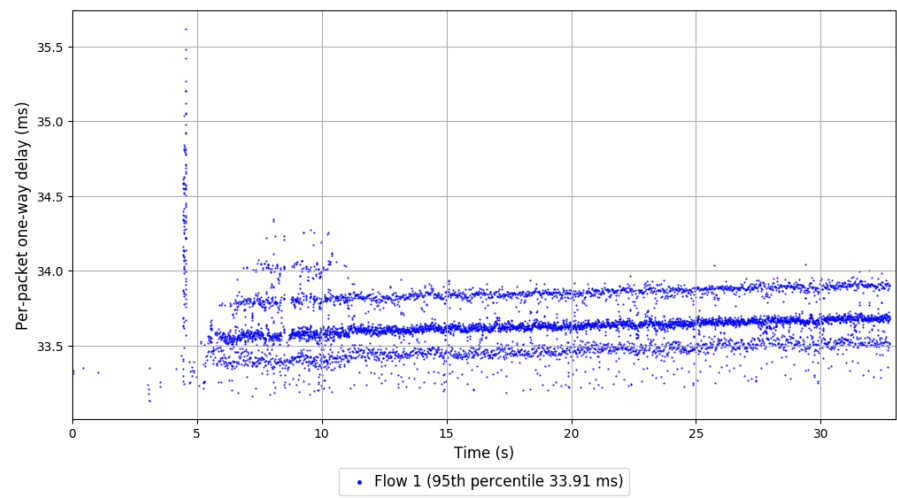
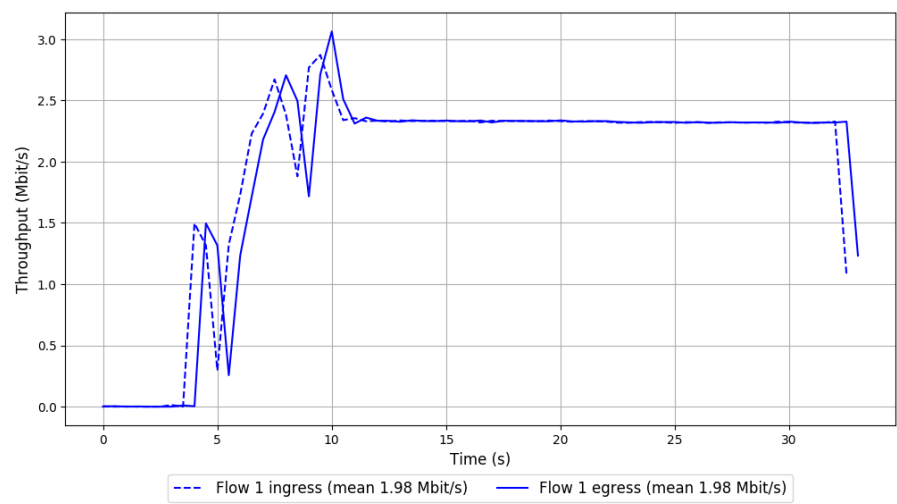


Run 5: Statistics of WebRTC media

Start at: 2018-07-17 10:23:50
End at: 2018-07-17 10:24:20
Local clock offset: 0.051 ms
Remote clock offset: -5.767 ms

Below is generated by plot.py at 2018-07-17 13:00:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 33.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 33.910 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

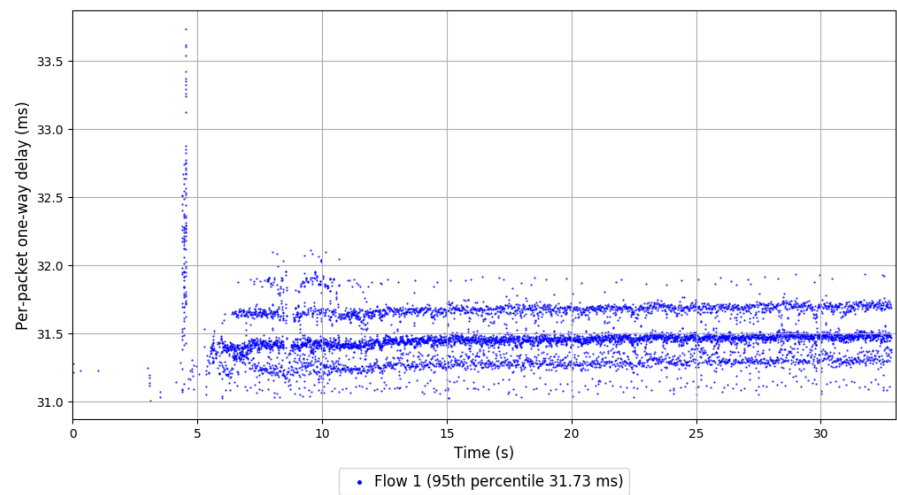
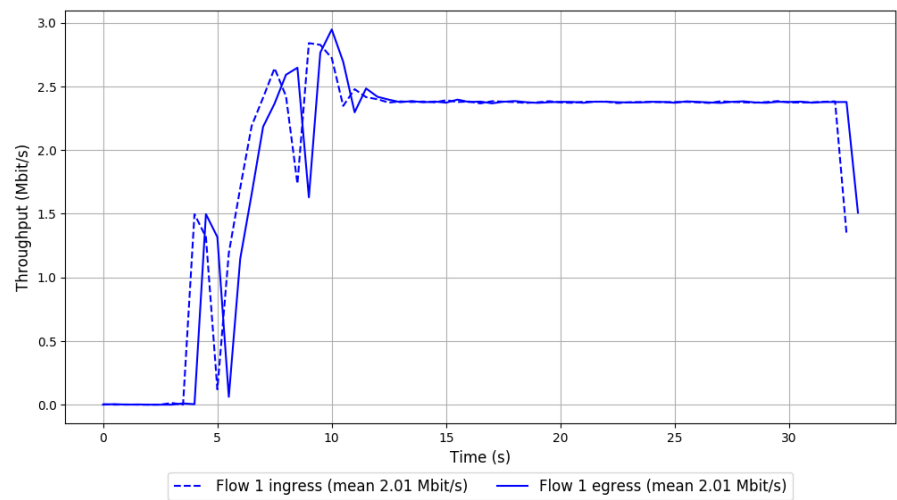


Run 6: Statistics of WebRTC media

Start at: 2018-07-17 10:46:09
End at: 2018-07-17 10:46:39
Local clock offset: -0.076 ms
Remote clock offset: -12.048 ms

Below is generated by plot.py at 2018-07-17 13:00:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 31.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 31.726 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

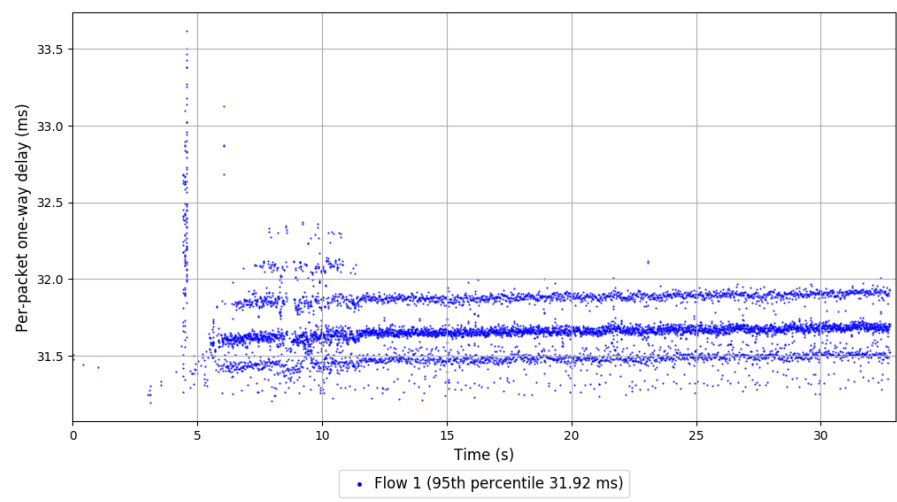
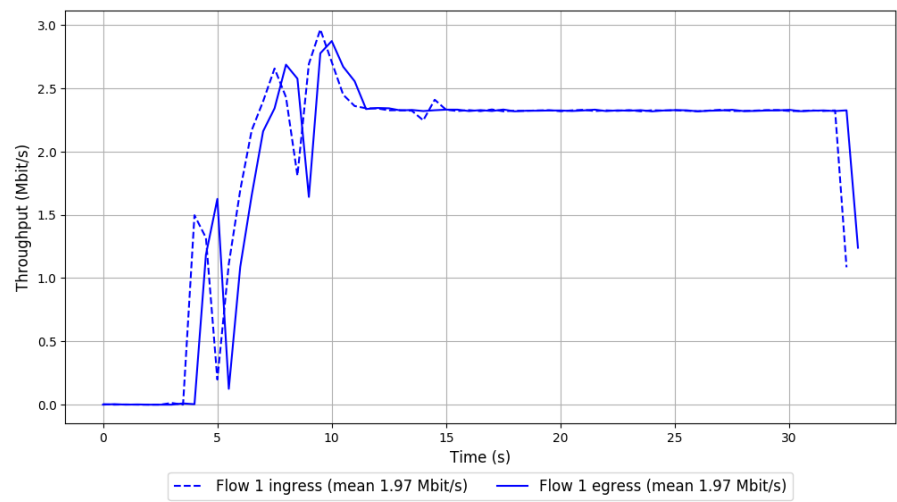


Run 7: Statistics of WebRTC media

Start at: 2018-07-17 11:08:26
End at: 2018-07-17 11:08:56
Local clock offset: -0.01 ms
Remote clock offset: -14.611 ms

Below is generated by plot.py at 2018-07-17 13:00:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.921 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

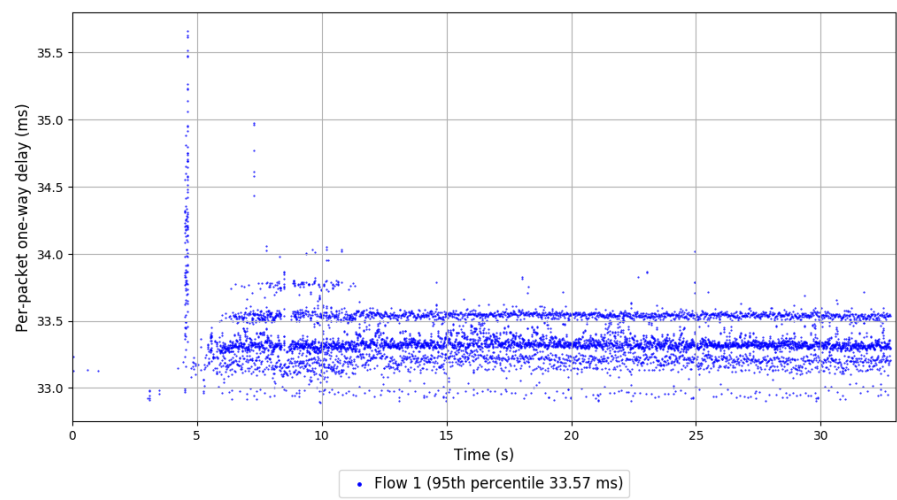
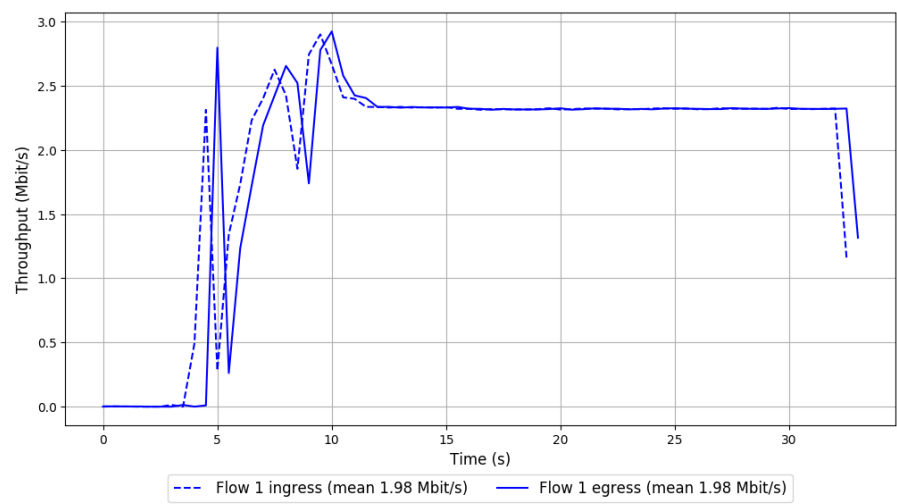


Run 8: Statistics of WebRTC media

Start at: 2018-07-17 11:30:39
End at: 2018-07-17 11:31:09
Local clock offset: -0.068 ms
Remote clock offset: -8.731 ms

Below is generated by plot.py at 2018-07-17 13:00:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 33.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 33.573 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

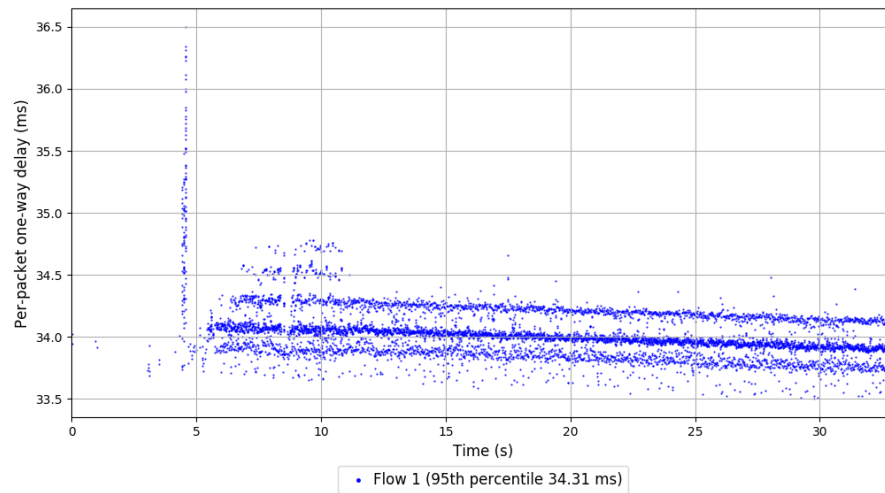
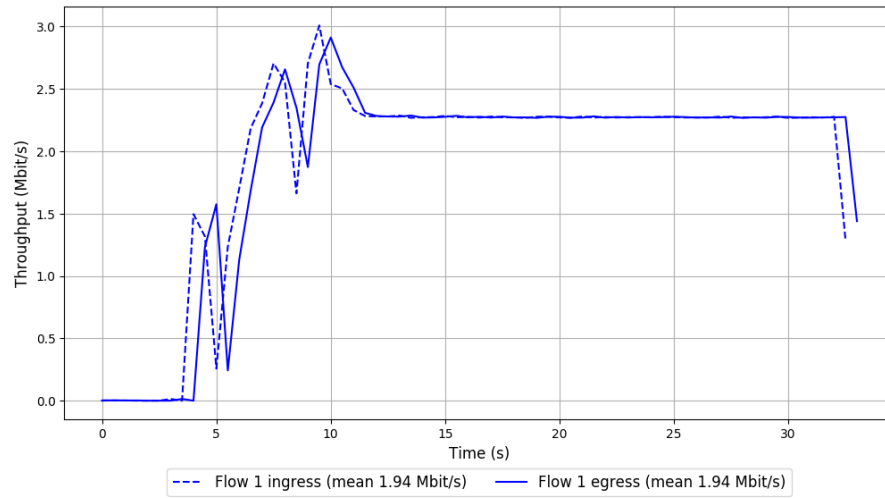


Run 9: Statistics of WebRTC media

Start at: 2018-07-17 11:52:55
End at: 2018-07-17 11:53:25
Local clock offset: -0.069 ms
Remote clock offset: -2.933 ms

Below is generated by plot.py at 2018-07-17 13:00:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 34.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 34.311 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 12:15:15
End at: 2018-07-17 12:15:45
Local clock offset: -0.078 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-07-17 13:00:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

