

Pantheon Report

Generated at 2018-06-19 06:45:22 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

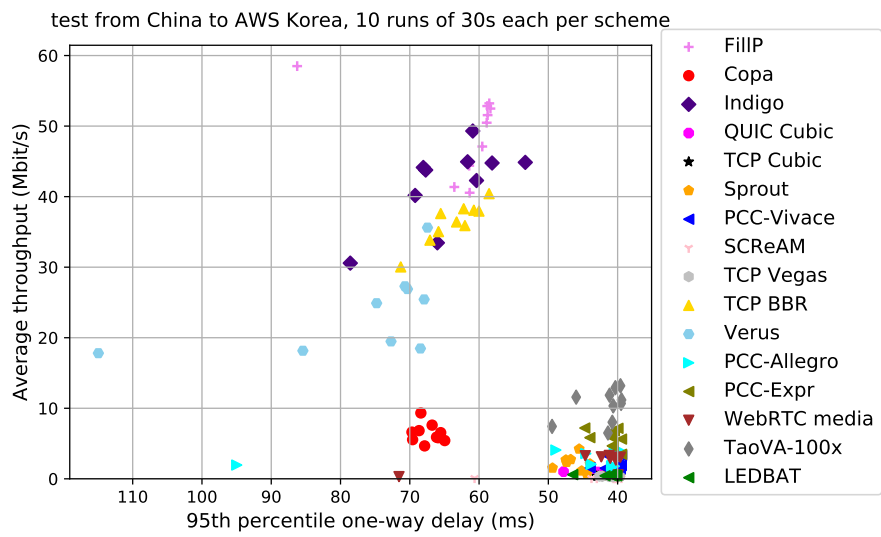
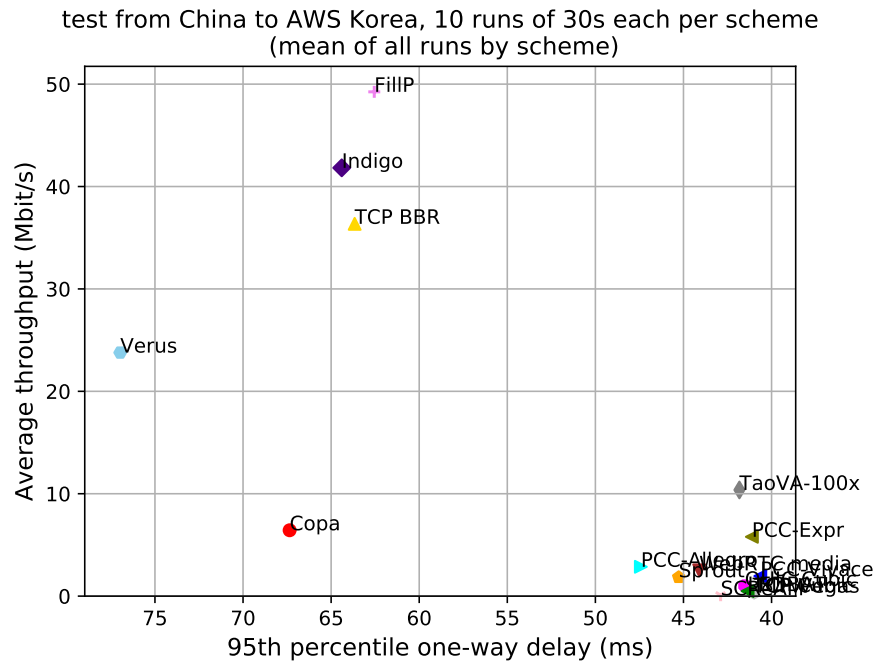
Each test lasted for 30 seconds running 1 flow.

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

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

Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	36.36	63.66	10.38
Copa	10	6.43	67.36	21.10
TCP Cubic	10	0.39	41.08	8.62
FillP	10	49.25	62.55	16.42
Indigo	10	41.83	64.40	19.36
LEDBAT	9	0.49	41.36	8.38
PCC-Allegro	10	2.86	47.42	8.61
PCC-Expr	10	5.79	41.12	8.04
QUIC Cubic	10	1.00	41.52	8.34
SCReAM	10	0.09	42.89	3.62
Sprout	10	1.85	45.27	8.16
TaoVA-100x	10	10.37	41.83	8.56
TCP Vegas	10	0.34	40.99	8.87
Verus	9	23.78	76.97	29.69
PCC-Vivace	10	1.96	40.64	7.99
WebRTC media	10	2.52	44.11	6.76

Run 1: Statistics of TCP BBR

Start at: 2018-06-19 01:41:48

End at: 2018-06-19 01:42:18

Local clock offset: 2.223 ms

Remote clock offset: -2.225 ms

Below is generated by plot.py at 2018-06-19 06:41:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.83 Mbit/s

95th percentile per-packet one-way delay: 67.092 ms

Loss rate: 11.41%

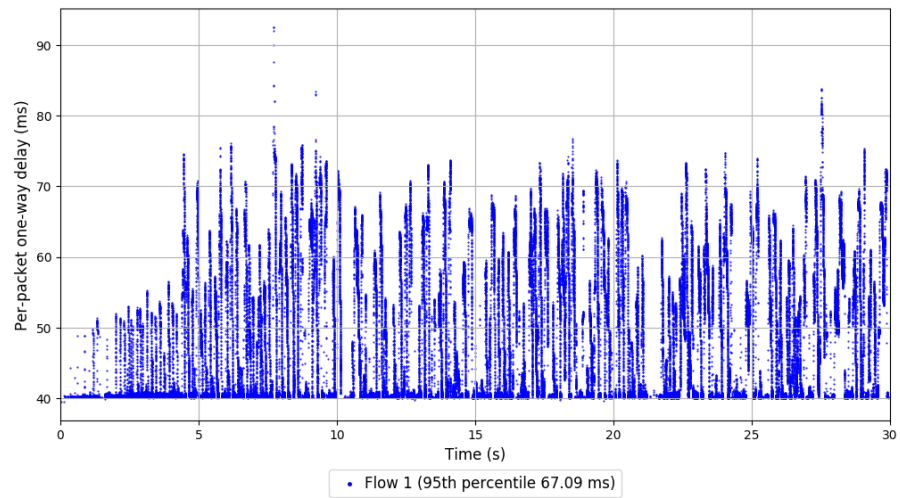
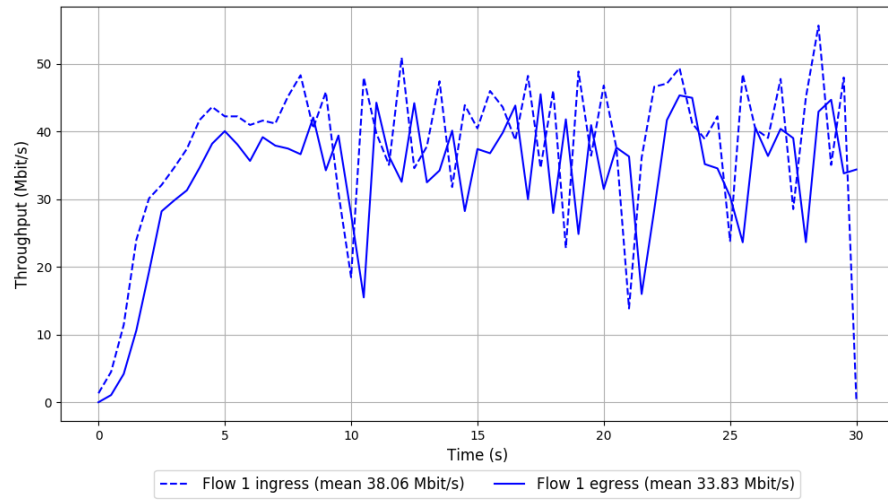
-- Flow 1:

Average throughput: 33.83 Mbit/s

95th percentile per-packet one-way delay: 67.092 ms

Loss rate: 11.41%

Run 1: Report of TCP BBR — Data Link

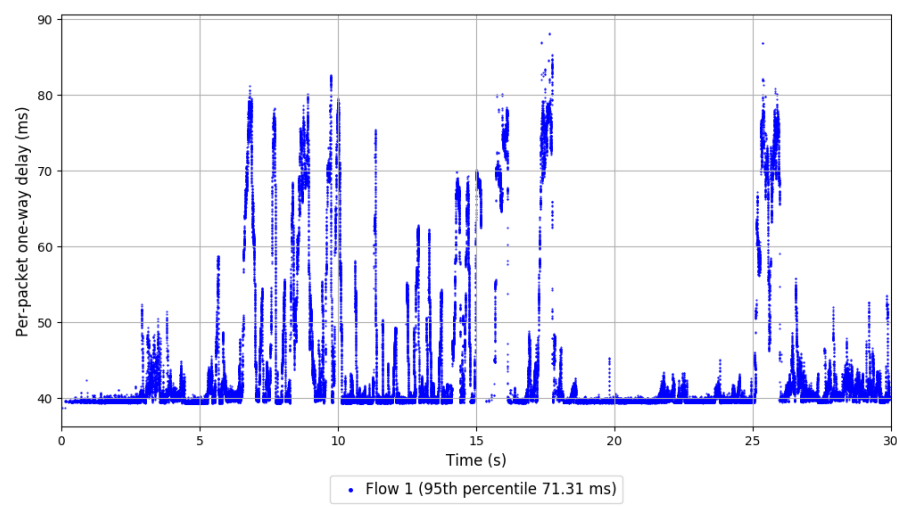
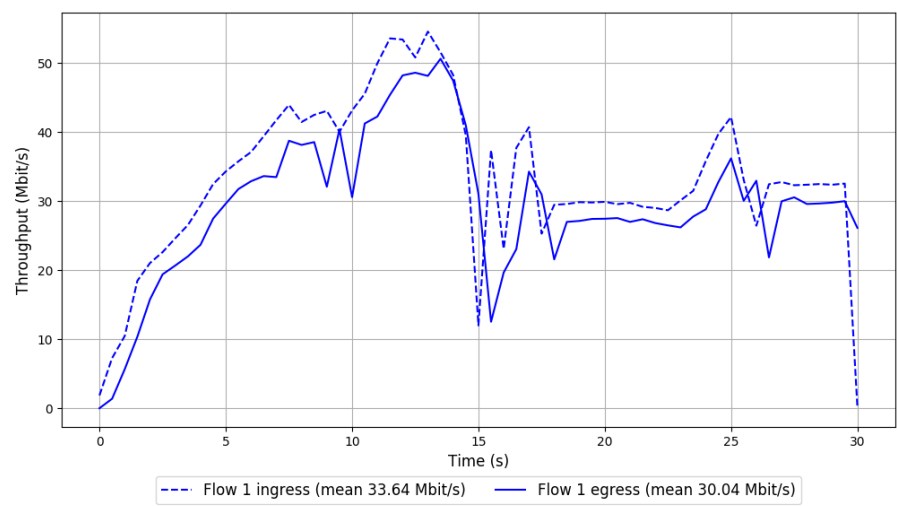


Run 2: Statistics of TCP BBR

Start at: 2018-06-19 02:11:42
End at: 2018-06-19 02:12:12
Local clock offset: -1.547 ms
Remote clock offset: -2.659 ms

Below is generated by plot.py at 2018-06-19 06:41:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 71.310 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 71.310 ms
Loss rate: 11.02%

Run 2: Report of TCP BBR — Data Link

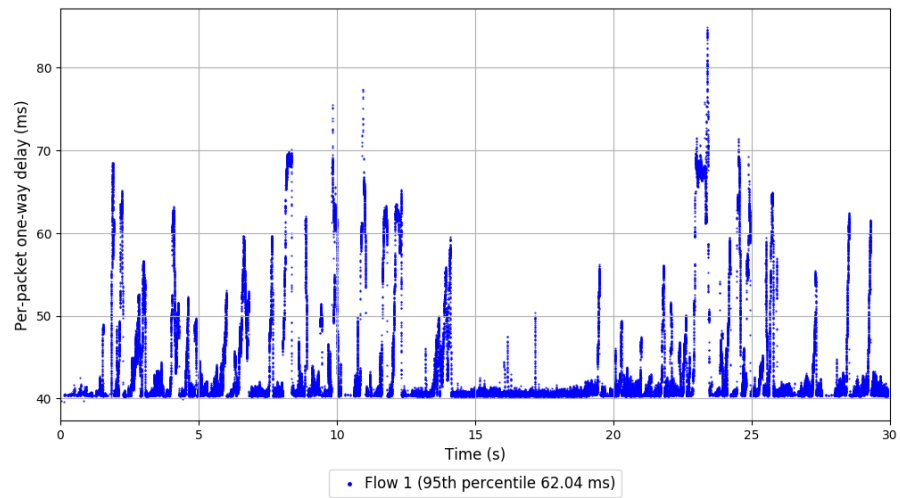
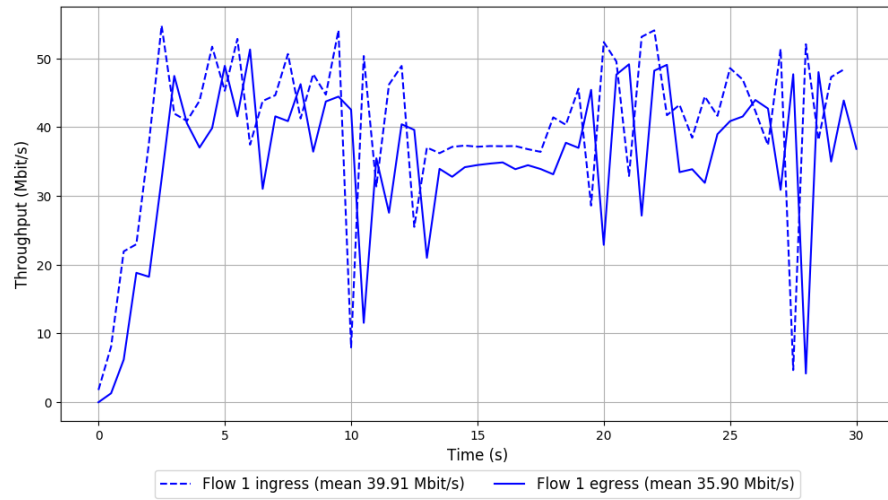


Run 3: Statistics of TCP BBR

Start at: 2018-06-19 02:40:50
End at: 2018-06-19 02:41:20
Local clock offset: -5.414 ms
Remote clock offset: -2.934 ms

Below is generated by plot.py at 2018-06-19 06:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 62.043 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 62.043 ms
Loss rate: 10.38%

Run 3: Report of TCP BBR — Data Link

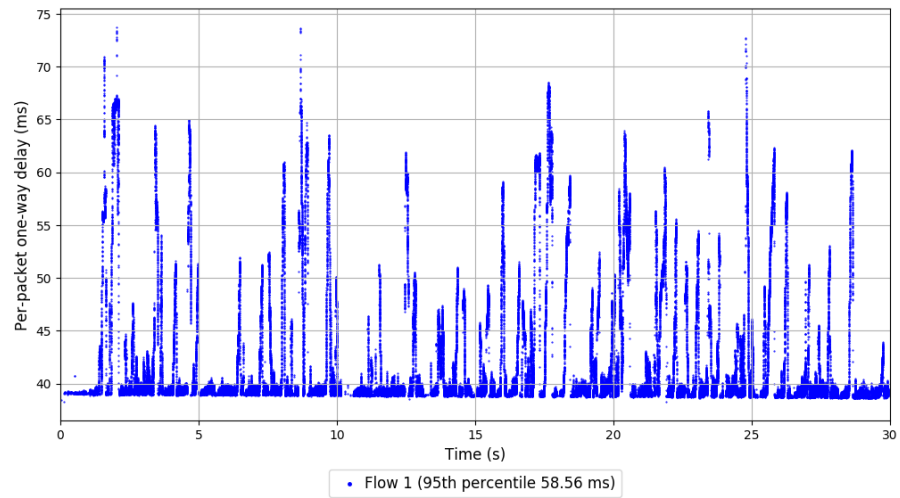
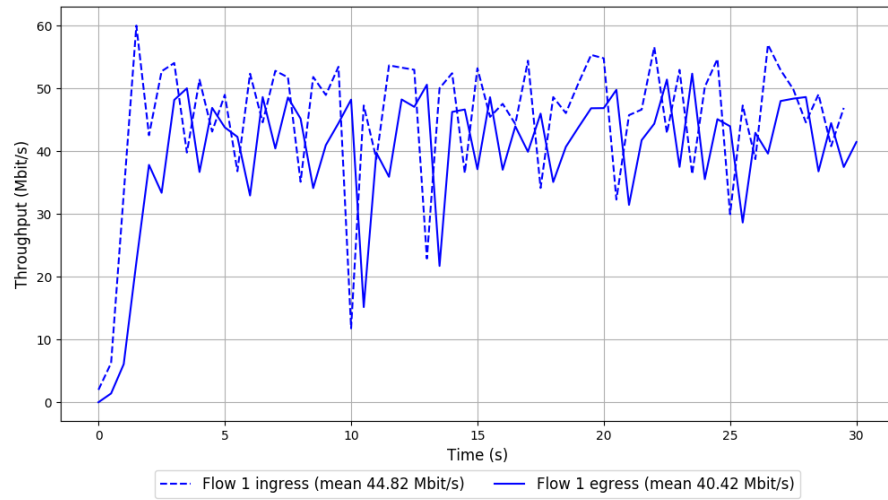


Run 4: Statistics of TCP BBR

Start at: 2018-06-19 03:09:59
End at: 2018-06-19 03:10:29
Local clock offset: 2.499 ms
Remote clock offset: -1.409 ms

Below is generated by plot.py at 2018-06-19 06:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 58.556 ms
Loss rate: 10.12%
-- Flow 1:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 58.556 ms
Loss rate: 10.12%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-19 03:39:50

End at: 2018-06-19 03:40:20

Local clock offset: 7.477 ms

Remote clock offset: -1.392 ms

Below is generated by plot.py at 2018-06-19 06:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.08 Mbit/s

95th percentile per-packet one-way delay: 60.758 ms

Loss rate: 10.13%

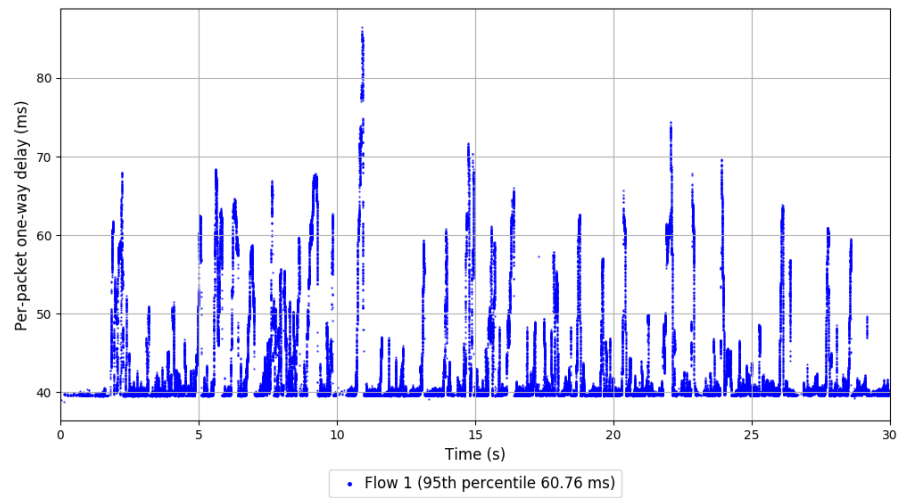
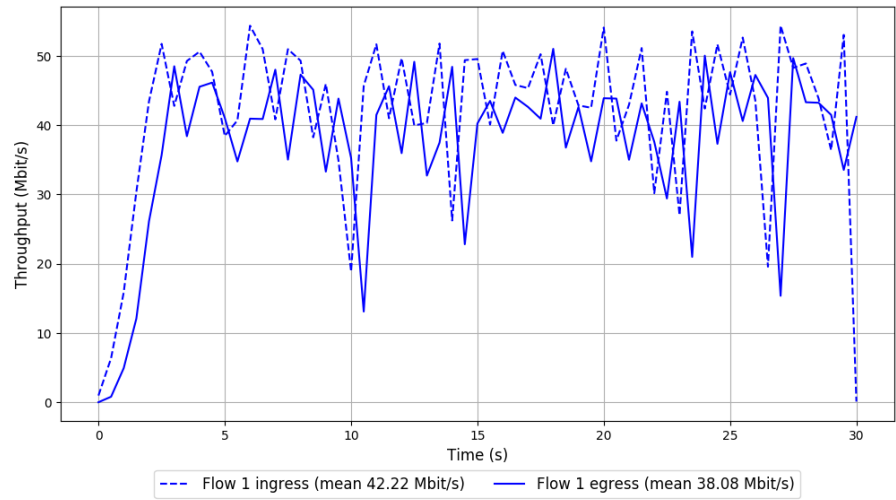
-- Flow 1:

Average throughput: 38.08 Mbit/s

95th percentile per-packet one-way delay: 60.758 ms

Loss rate: 10.13%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-19 04:08:59

End at: 2018-06-19 04:09:29

Local clock offset: 7.577 ms

Remote clock offset: -0.504 ms

Below is generated by plot.py at 2018-06-19 06:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.41 Mbit/s

95th percentile per-packet one-way delay: 63.243 ms

Loss rate: 10.34%

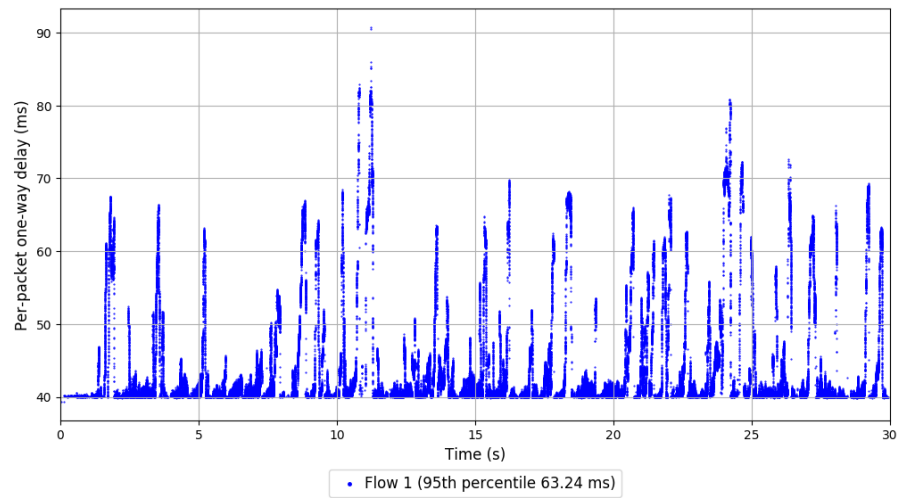
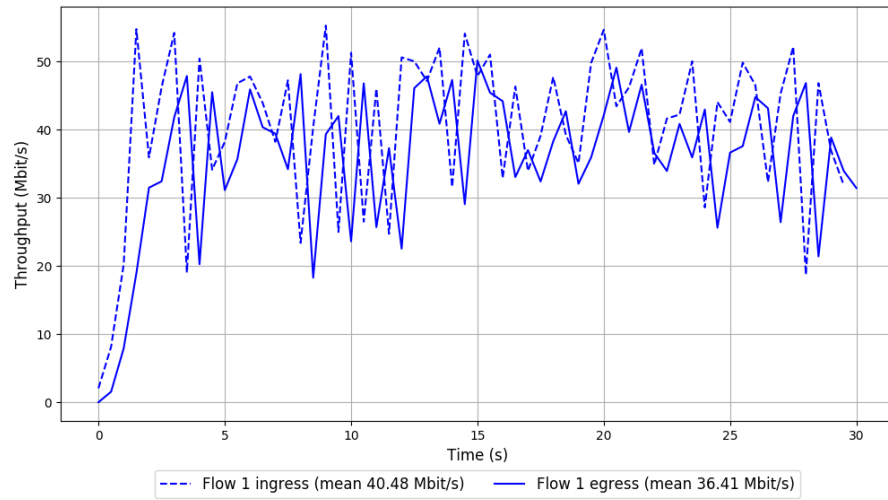
-- Flow 1:

Average throughput: 36.41 Mbit/s

95th percentile per-packet one-way delay: 63.243 ms

Loss rate: 10.34%

Run 6: Report of TCP BBR — Data Link

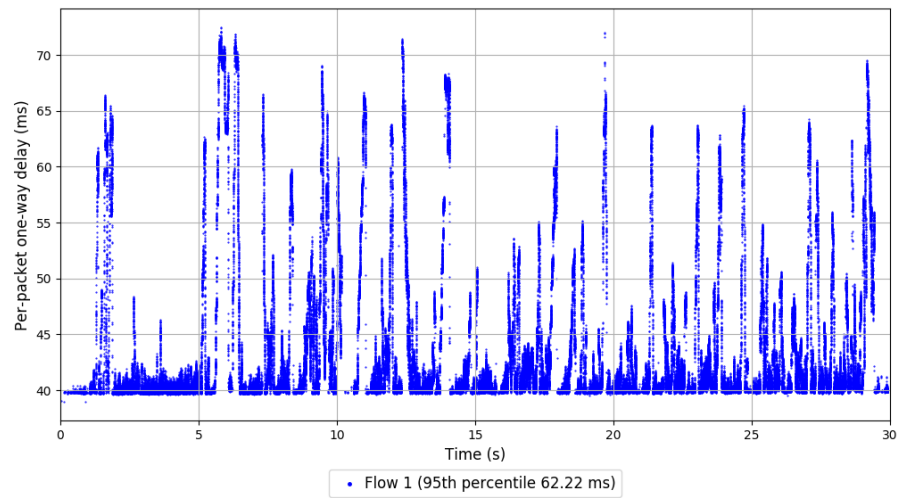
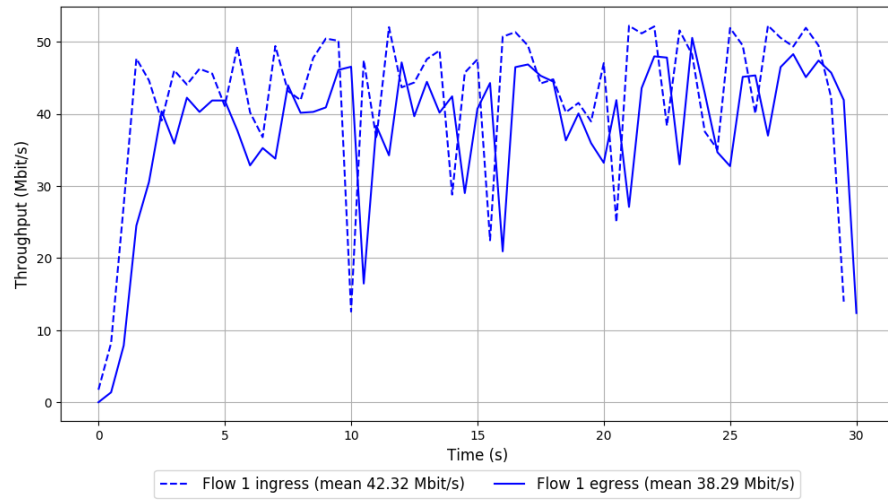


Run 7: Statistics of TCP BBR

Start at: 2018-06-19 04:38:51
End at: 2018-06-19 04:39:21
Local clock offset: 6.703 ms
Remote clock offset: -0.908 ms

Below is generated by plot.py at 2018-06-19 06:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 62.222 ms
Loss rate: 9.55%
-- Flow 1:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 62.222 ms
Loss rate: 9.55%

Run 7: Report of TCP BBR — Data Link

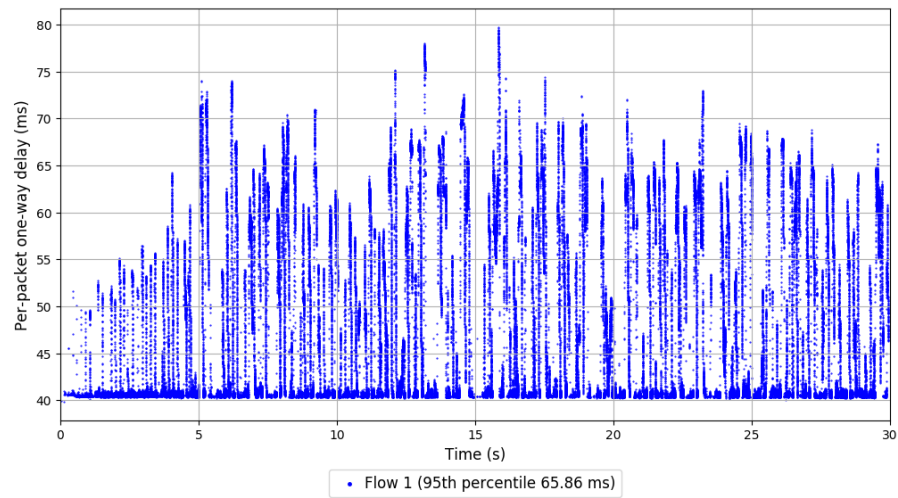
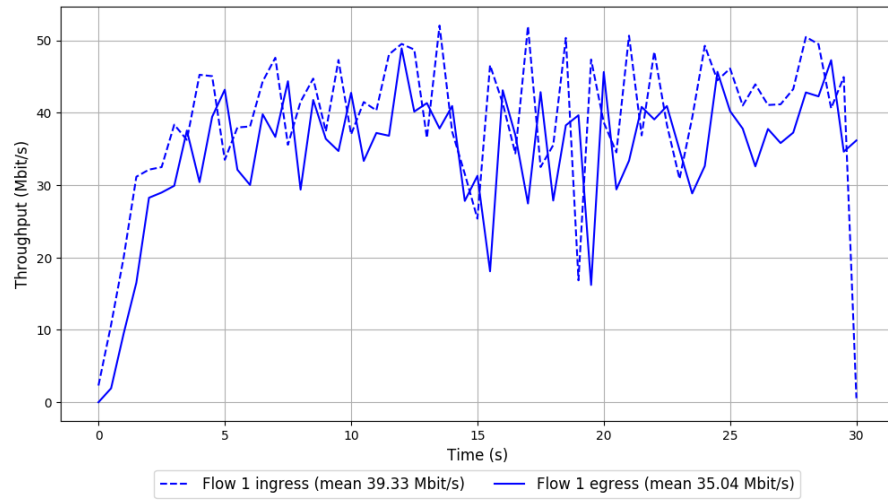


Run 8: Statistics of TCP BBR

Start at: 2018-06-19 05:09:47
End at: 2018-06-19 05:10:17
Local clock offset: 6.39 ms
Remote clock offset: -1.135 ms

Below is generated by plot.py at 2018-06-19 06:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 65.858 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 65.858 ms
Loss rate: 11.23%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-19 05:39:58

End at: 2018-06-19 05:40:28

Local clock offset: 7.599 ms

Remote clock offset: -1.059 ms

Below is generated by plot.py at 2018-06-19 06:41:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.95 Mbit/s

95th percentile per-packet one-way delay: 60.015 ms

Loss rate: 10.16%

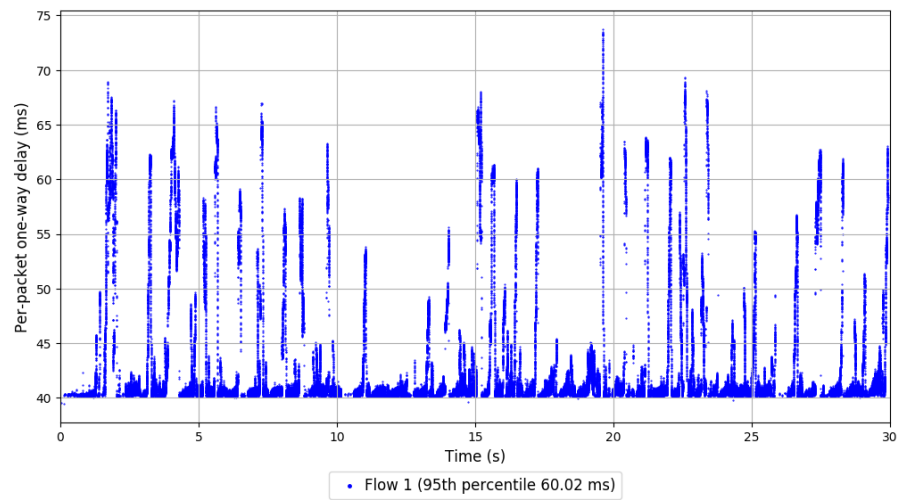
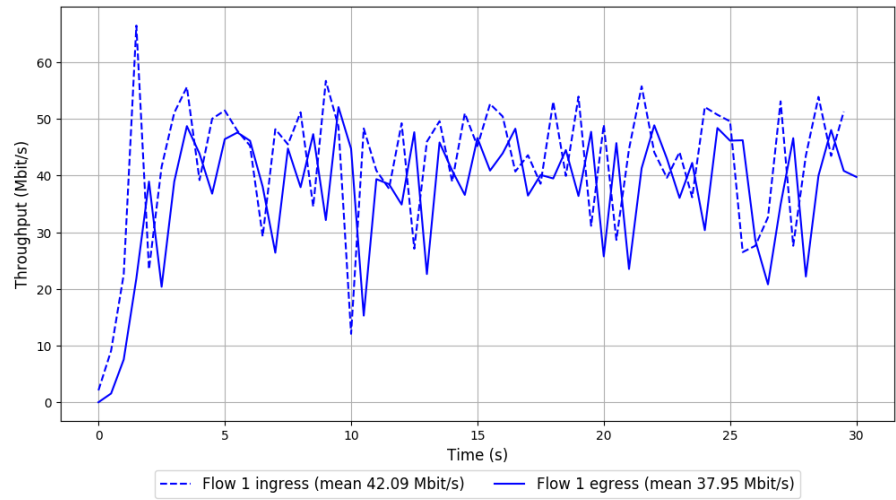
-- Flow 1:

Average throughput: 37.95 Mbit/s

95th percentile per-packet one-way delay: 60.015 ms

Loss rate: 10.16%

Run 9: Report of TCP BBR — Data Link

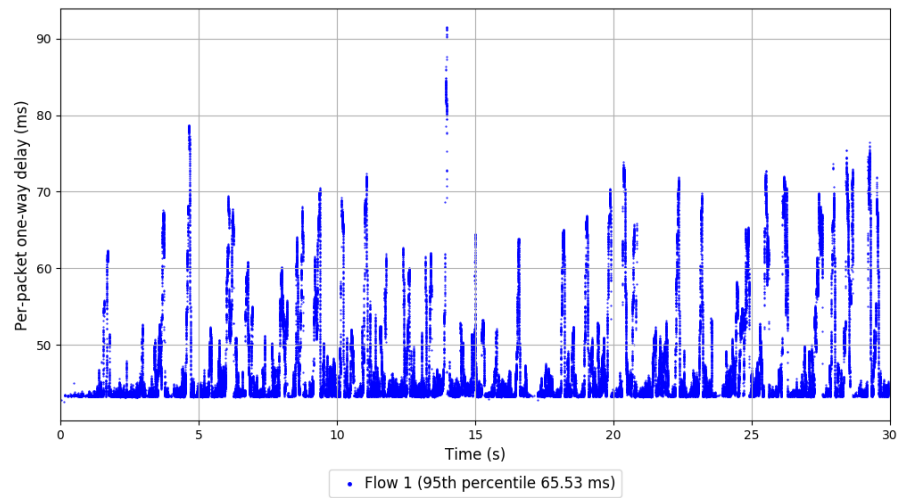
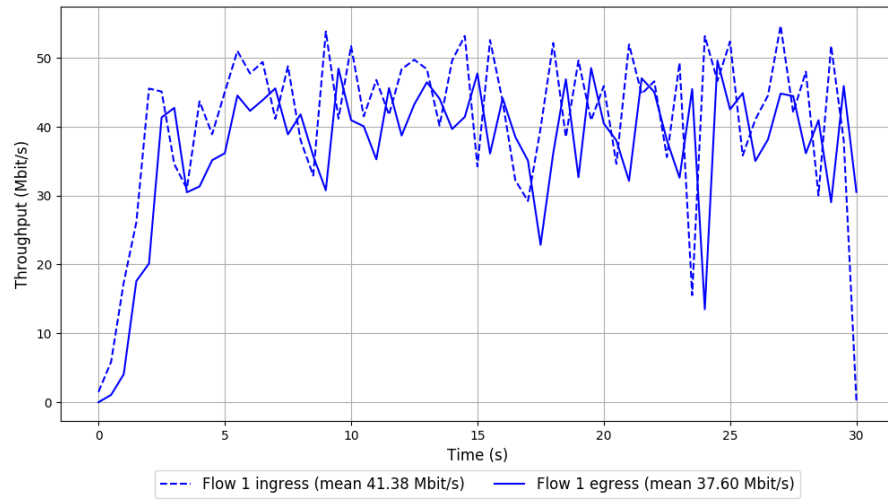


Run 10: Statistics of TCP BBR

Start at: 2018-06-19 06:09:51
End at: 2018-06-19 06:10:21
Local clock offset: 6.702 ms
Remote clock offset: -5.067 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 65.534 ms
Loss rate: 9.45%
-- Flow 1:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 65.534 ms
Loss rate: 9.45%

Run 10: Report of TCP BBR — Data Link

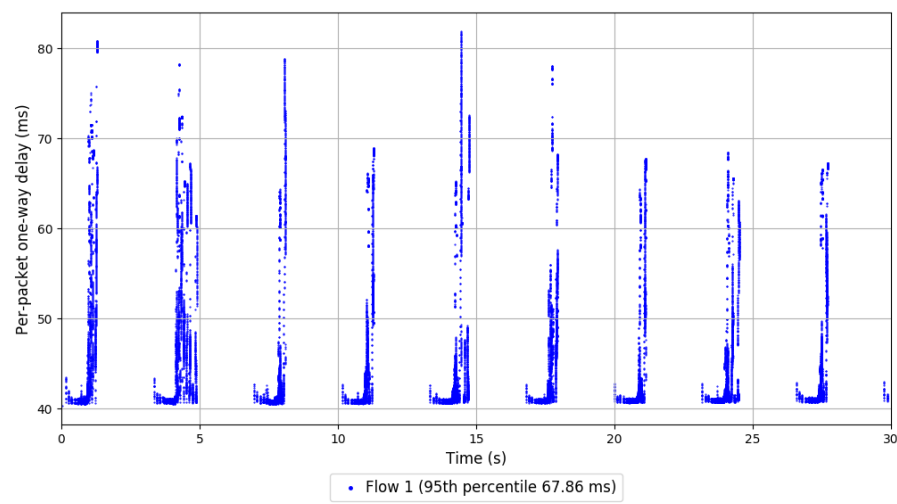
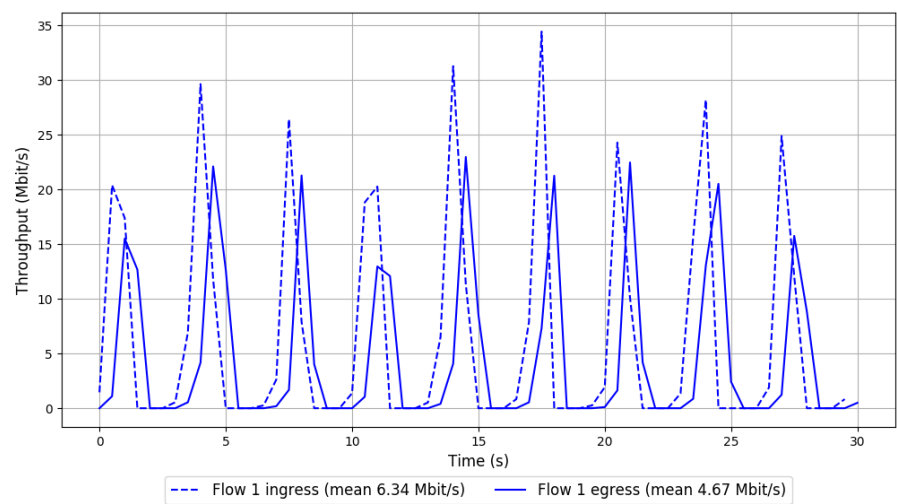


Run 1: Statistics of Copa

Start at: 2018-06-19 02:03:40
End at: 2018-06-19 02:04:10
Local clock offset: 2.357 ms
Remote clock offset: -2.551 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 67.862 ms
Loss rate: 26.67%
-- Flow 1:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 67.862 ms
Loss rate: 26.67%

Run 1: Report of Copa — Data Link

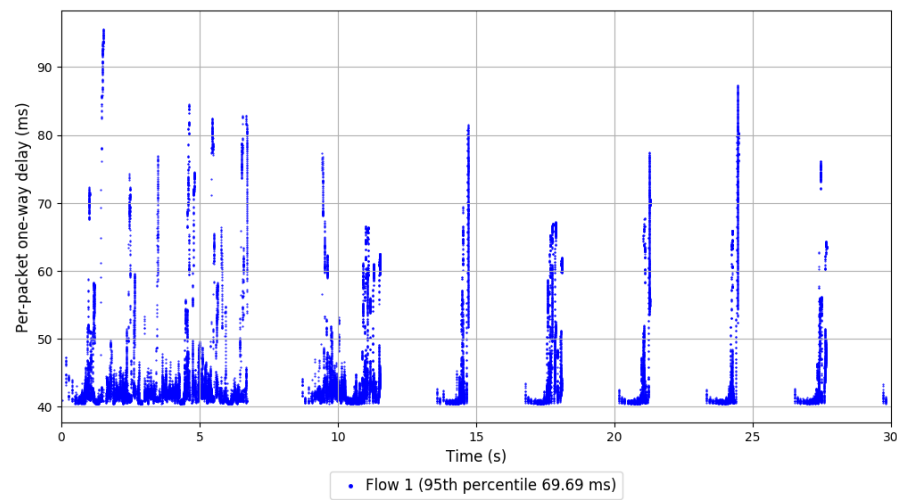
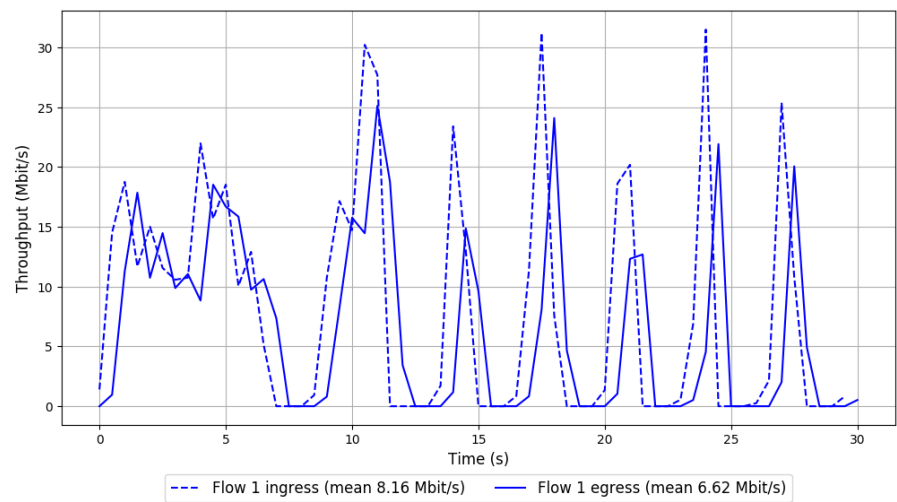


Run 2: Statistics of Copa

Start at: 2018-06-19 02:33:04
End at: 2018-06-19 02:33:34
Local clock offset: -4.594 ms
Remote clock offset: -2.984 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 69.689 ms
Loss rate: 19.15%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 69.689 ms
Loss rate: 19.15%

Run 2: Report of Copa — Data Link

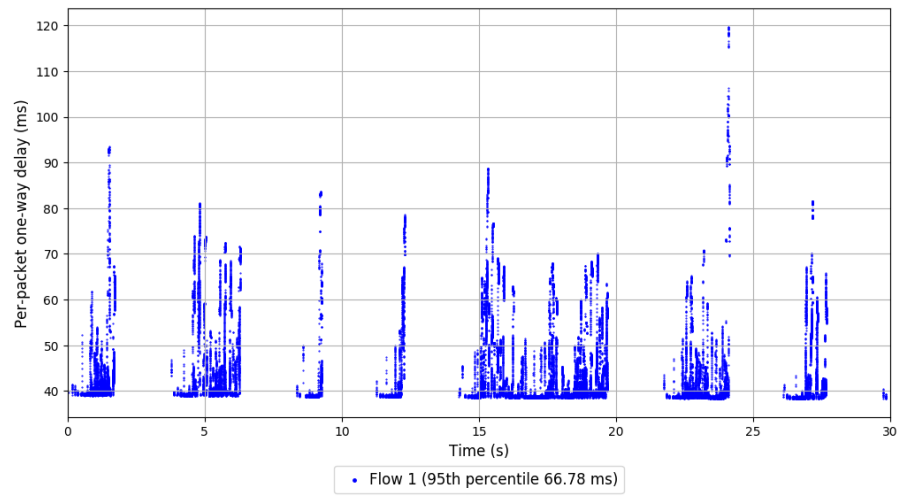
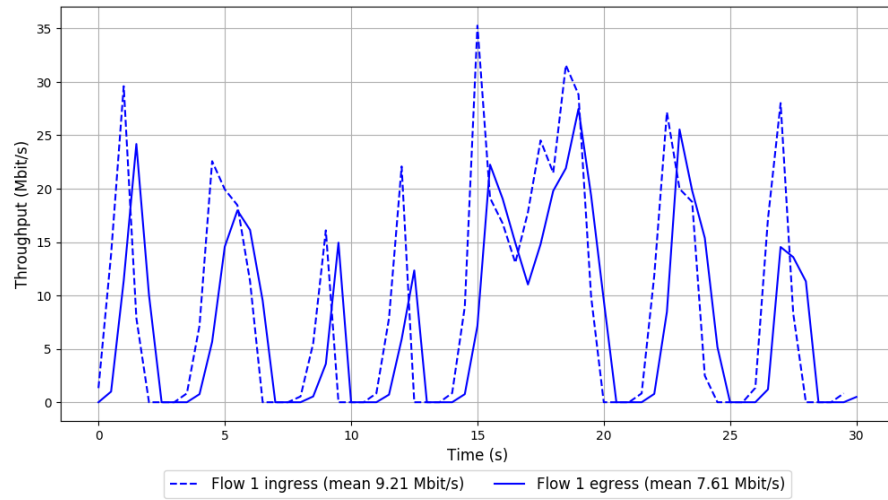


Run 3: Statistics of Copa

Start at: 2018-06-19 03:02:40
End at: 2018-06-19 03:03:10
Local clock offset: -5.506 ms
Remote clock offset: -1.613 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 66.778 ms
Loss rate: 17.65%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 66.778 ms
Loss rate: 17.65%

Run 3: Report of Copa — Data Link

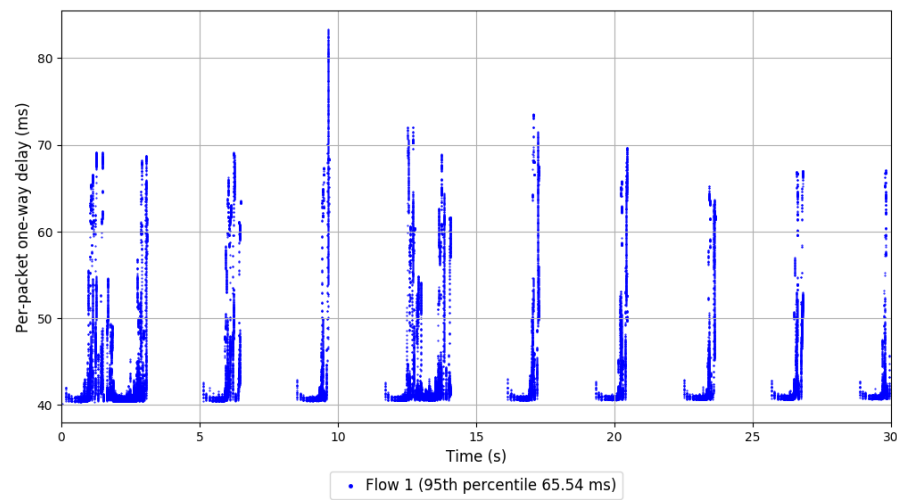
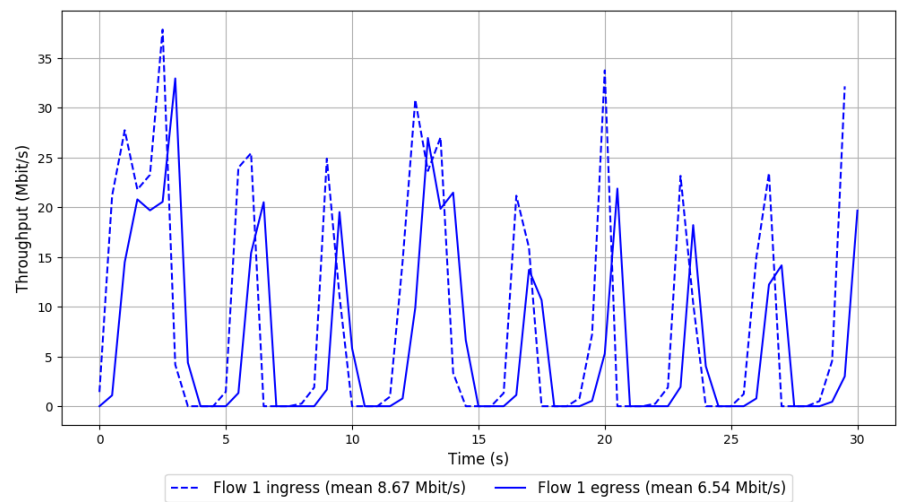


Run 4: Statistics of Copa

Start at: 2018-06-19 03:31:47
End at: 2018-06-19 03:32:17
Local clock offset: 10.705 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 65.539 ms
Loss rate: 24.66%
-- Flow 1:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 65.539 ms
Loss rate: 24.66%

Run 4: Report of Copa — Data Link

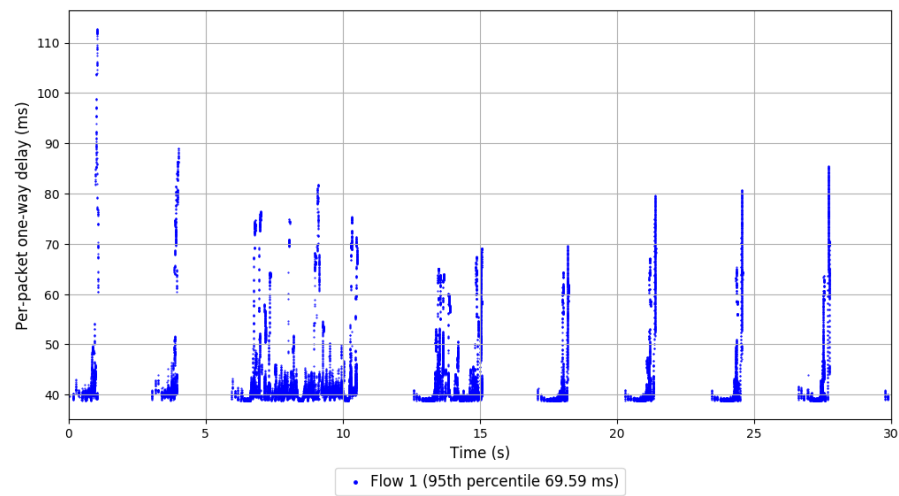
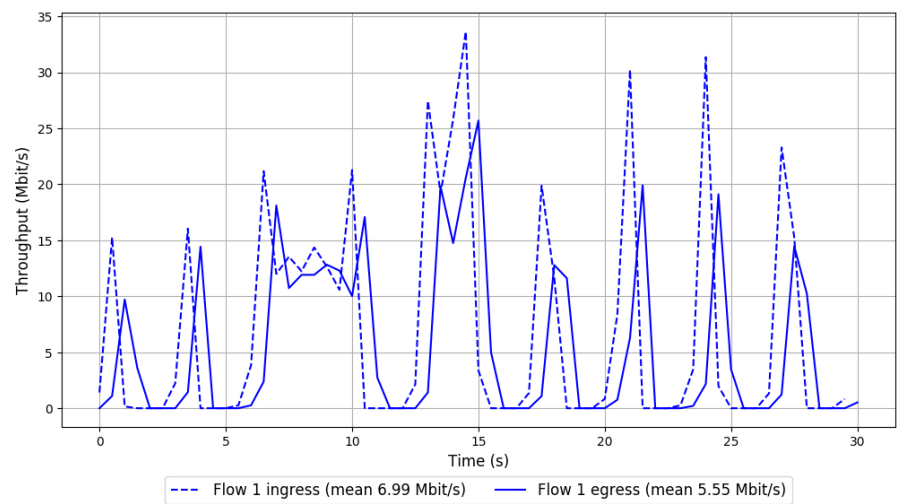


Run 5: Statistics of Copa

Start at: 2018-06-19 04:01:53
End at: 2018-06-19 04:02:23
Local clock offset: 7.096 ms
Remote clock offset: -0.758 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 69.594 ms
Loss rate: 20.82%
-- Flow 1:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 69.594 ms
Loss rate: 20.82%

Run 5: Report of Copa — Data Link

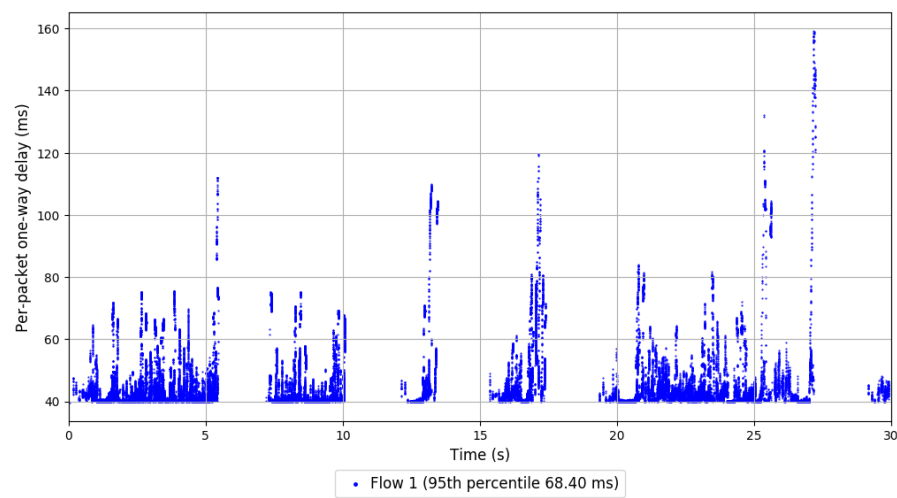
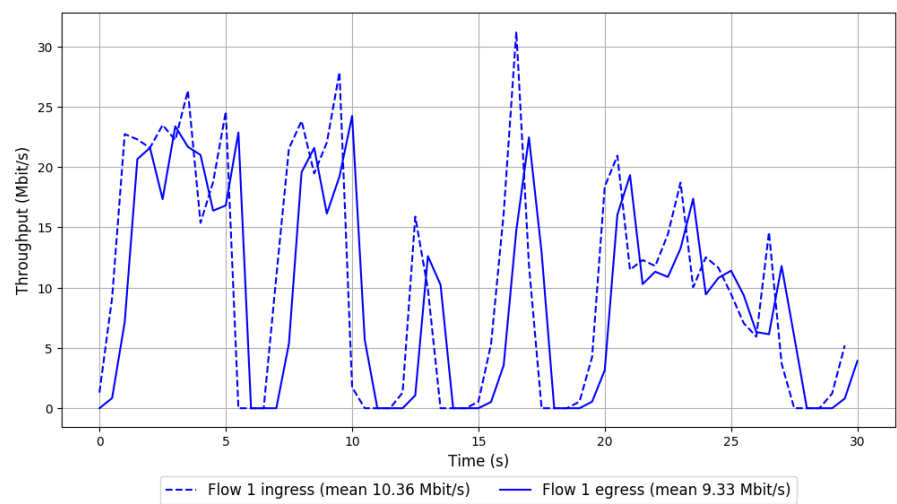


Run 6: Statistics of Copa

Start at: 2018-06-19 04:30:52
End at: 2018-06-19 04:31:22
Local clock offset: 9.447 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 68.404 ms
Loss rate: 10.27%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 68.404 ms
Loss rate: 10.27%

Run 6: Report of Copa — Data Link

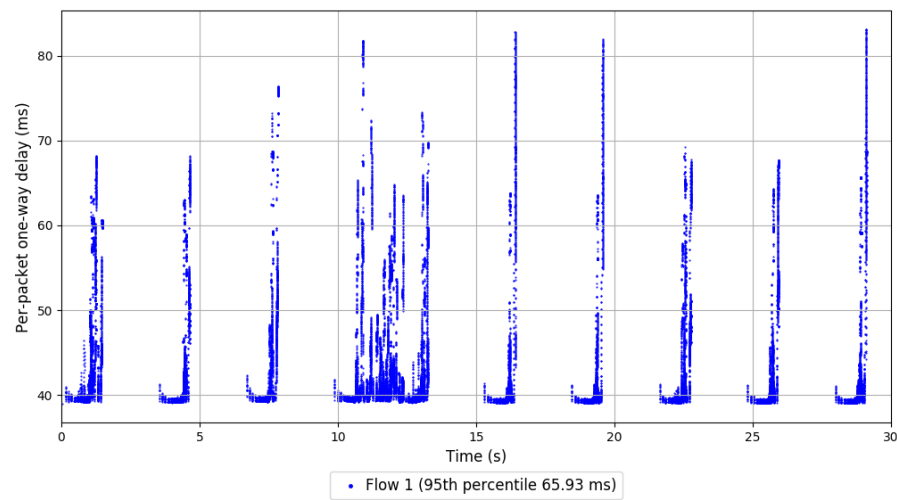
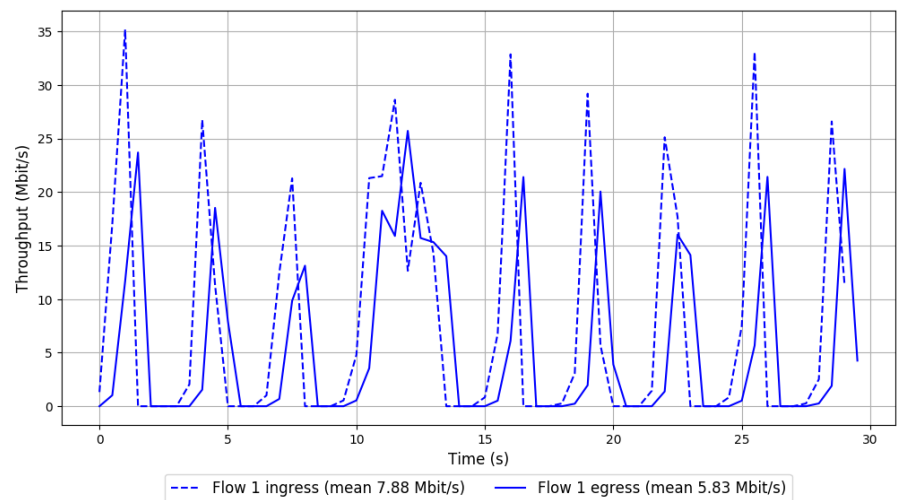


Run 7: Statistics of Copa

Start at: 2018-06-19 05:01:34
End at: 2018-06-19 05:02:04
Local clock offset: 4.691 ms
Remote clock offset: -1.212 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 65.927 ms
Loss rate: 25.99%
-- Flow 1:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 65.927 ms
Loss rate: 25.99%

Run 7: Report of Copa — Data Link

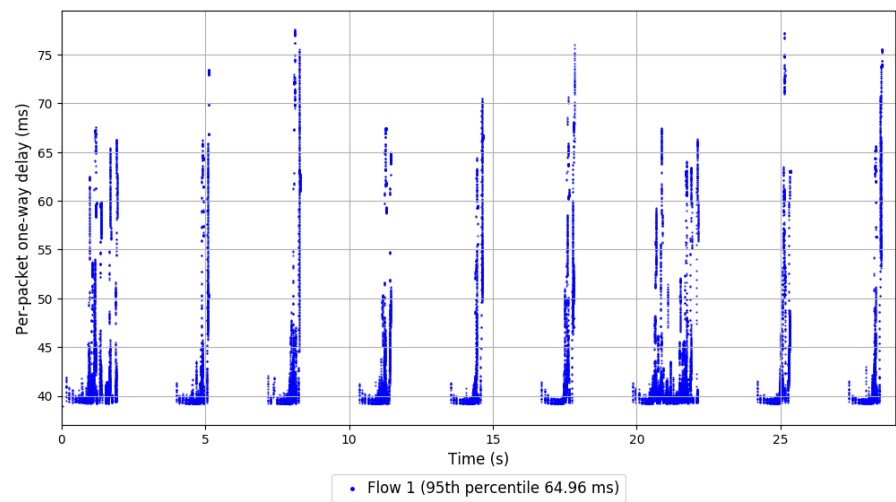
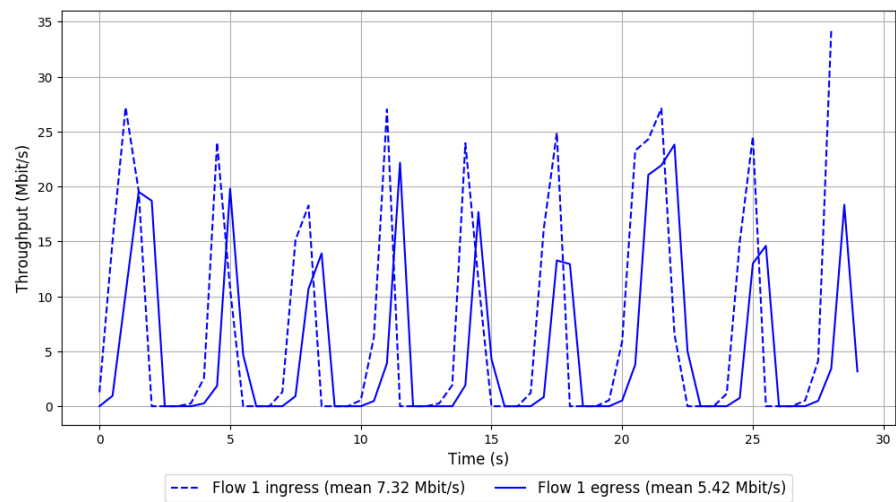


Run 8: Statistics of Copa

Start at: 2018-06-19 05:31:47
End at: 2018-06-19 05:32:17
Local clock offset: 7.901 ms
Remote clock offset: -1.023 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 64.956 ms
Loss rate: 25.80%
-- Flow 1:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 64.956 ms
Loss rate: 25.80%

Run 8: Report of Copa — Data Link

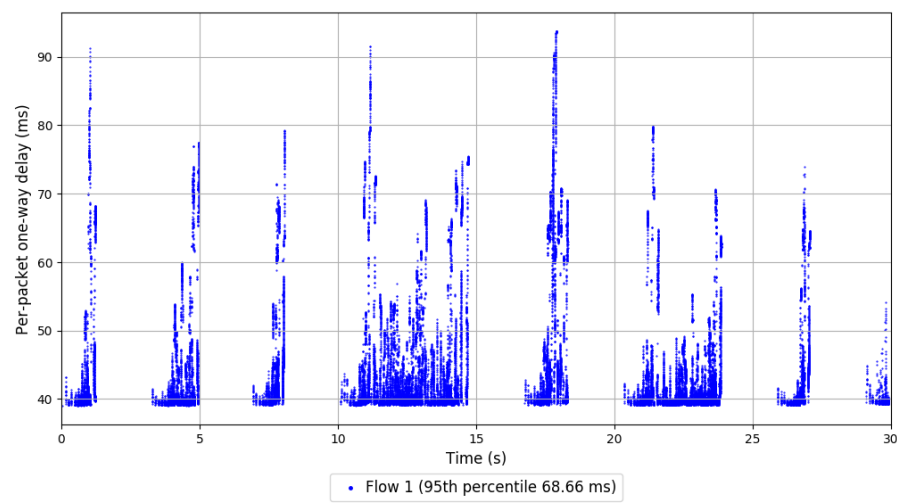
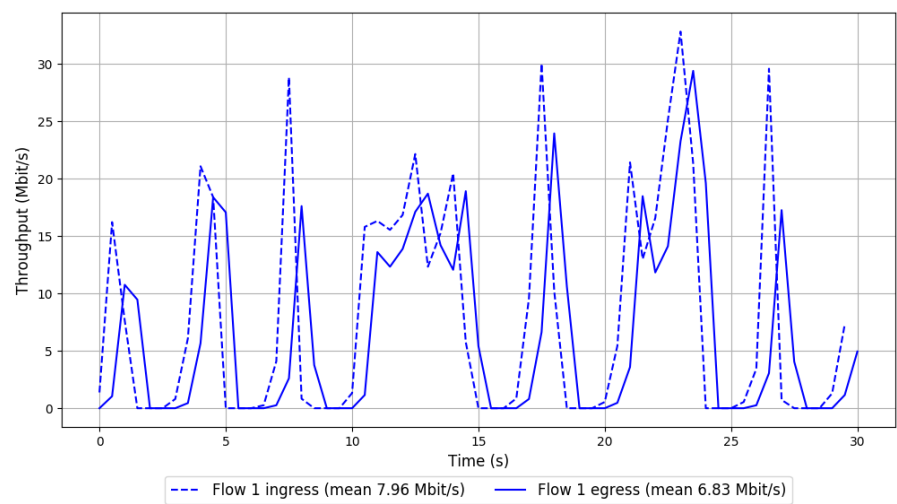


Run 9: Statistics of Copa

Start at: 2018-06-19 06:02:12
End at: 2018-06-19 06:02:42
Local clock offset: 7.519 ms
Remote clock offset: -1.375 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 68.664 ms
Loss rate: 14.51%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 68.664 ms
Loss rate: 14.51%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-19 06:32:45

End at: 2018-06-19 06:33:15

Local clock offset: 5.613 ms

Remote clock offset: -0.971 ms

Below is generated by plot.py at 2018-06-19 06:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 66.143 ms

Loss rate: 25.46%

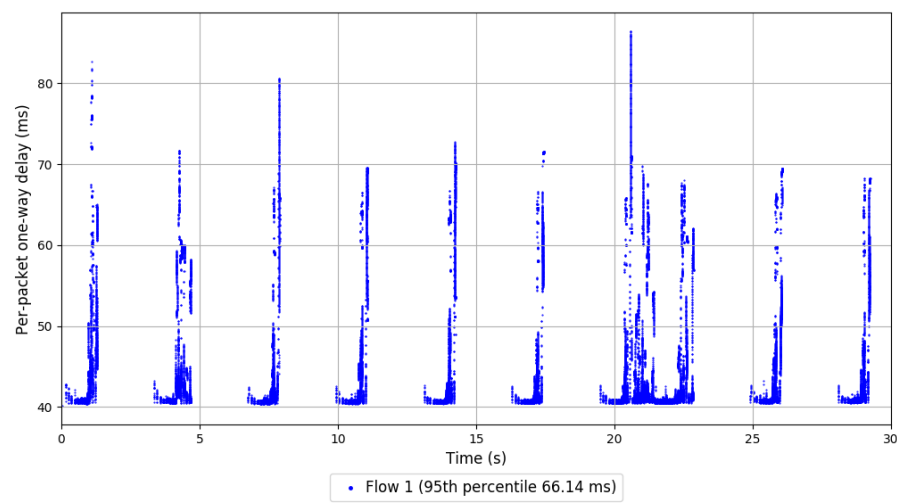
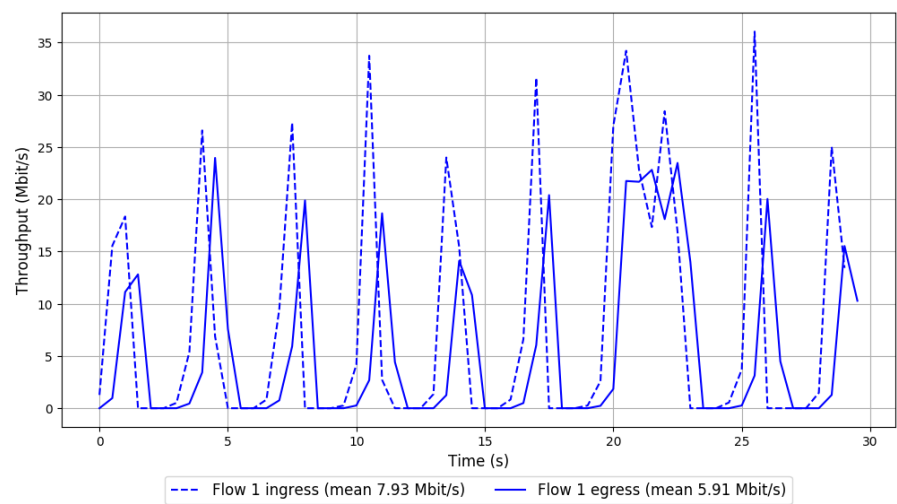
-- Flow 1:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 66.143 ms

Loss rate: 25.46%

Run 10: Report of Copa — Data Link

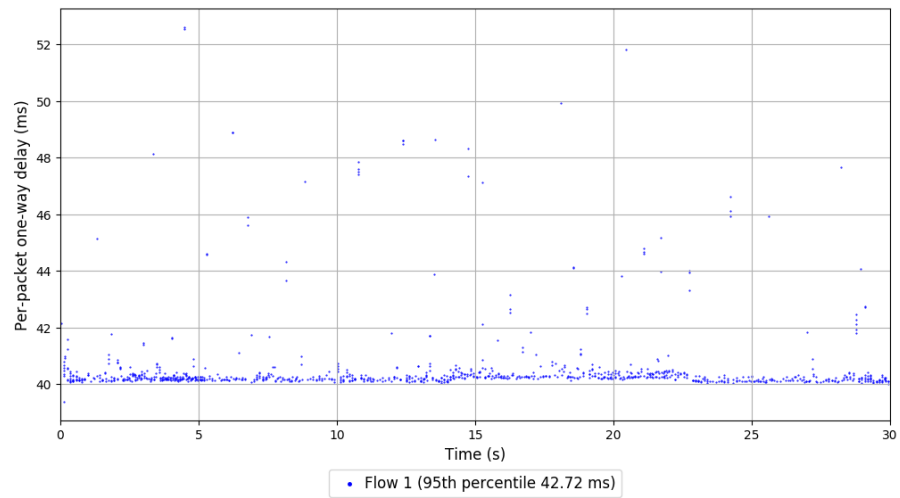
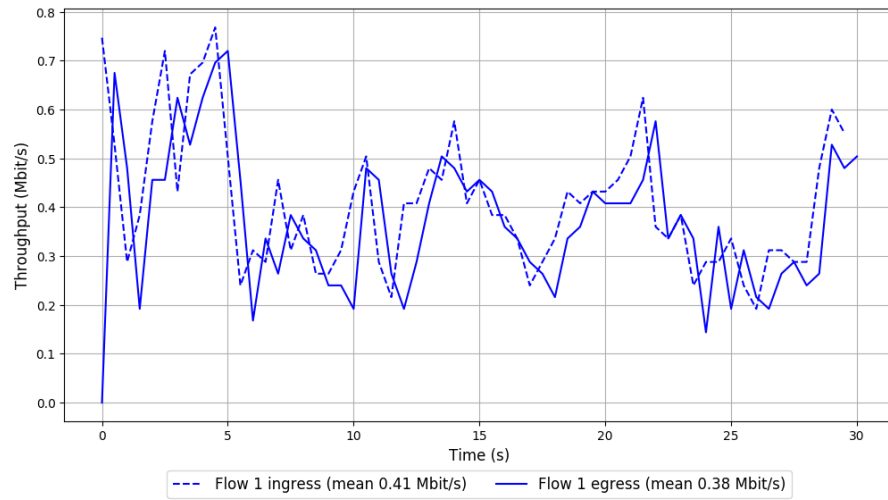


Run 1: Statistics of TCP Cubic

Start at: 2018-06-19 01:49:23
End at: 2018-06-19 01:49:53
Local clock offset: 3.114 ms
Remote clock offset: -2.381 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 42.724 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 42.724 ms
Loss rate: 7.63%

Run 1: Report of TCP Cubic — Data Link

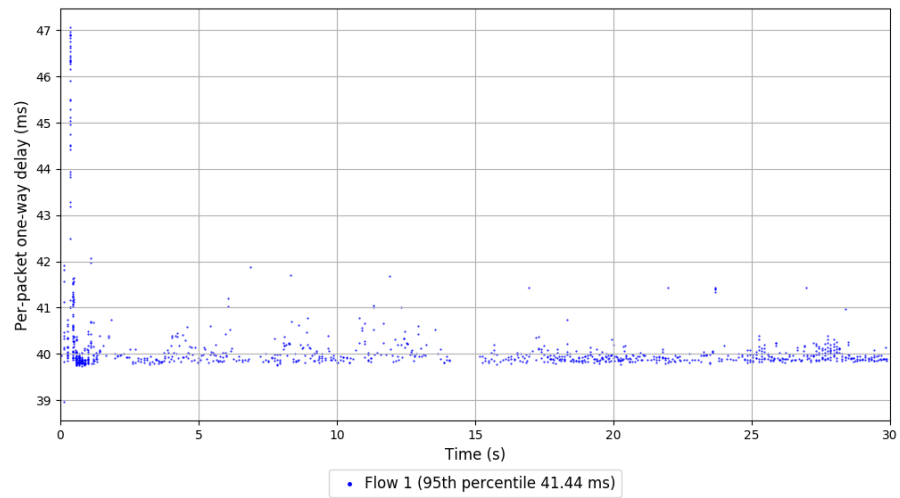
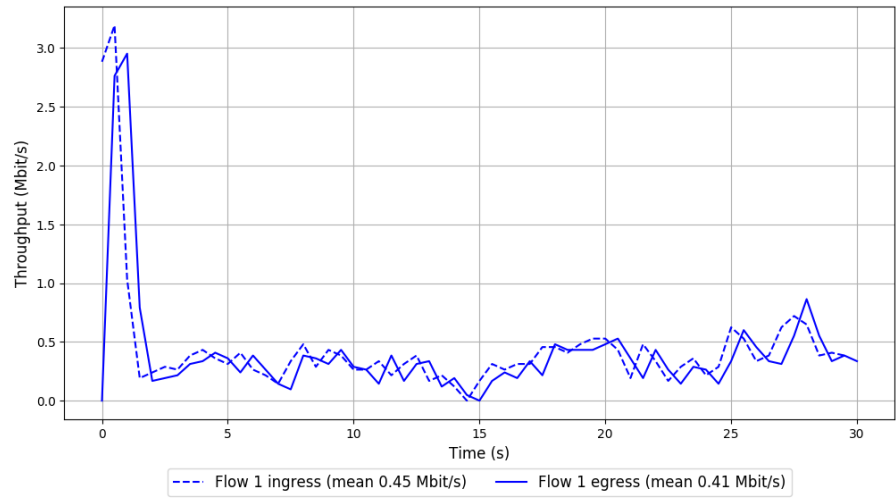


Run 2: Statistics of TCP Cubic

Start at: 2018-06-19 02:19:04
End at: 2018-06-19 02:19:34
Local clock offset: -2.974 ms
Remote clock offset: -2.766 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 41.435 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 41.435 ms
Loss rate: 8.85%

Run 2: Report of TCP Cubic — Data Link

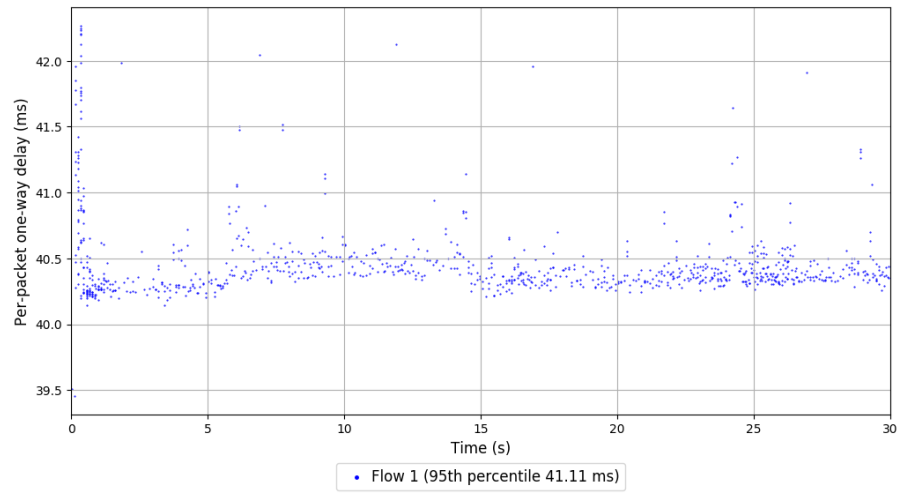
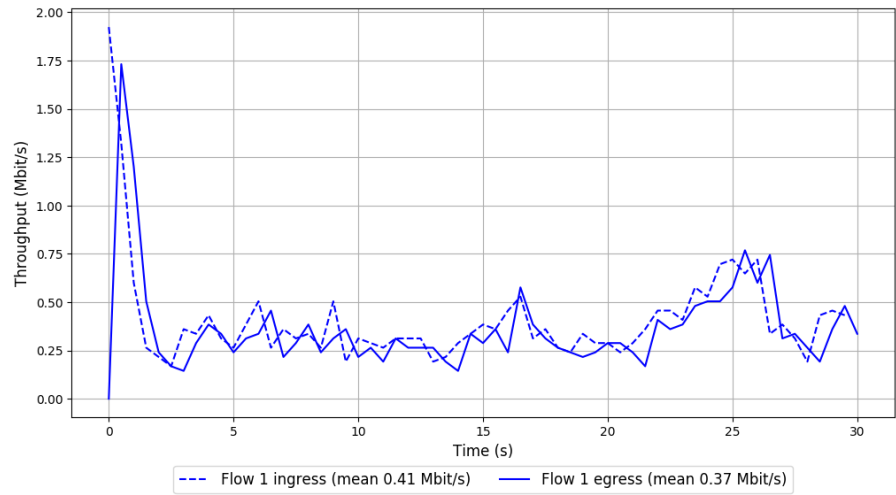


Run 3: Statistics of TCP Cubic

Start at: 2018-06-19 02:48:32
End at: 2018-06-19 02:49:02
Local clock offset: -5.819 ms
Remote clock offset: -2.808 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 41.107 ms
Loss rate: 9.36%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 41.107 ms
Loss rate: 9.36%

Run 3: Report of TCP Cubic — Data Link

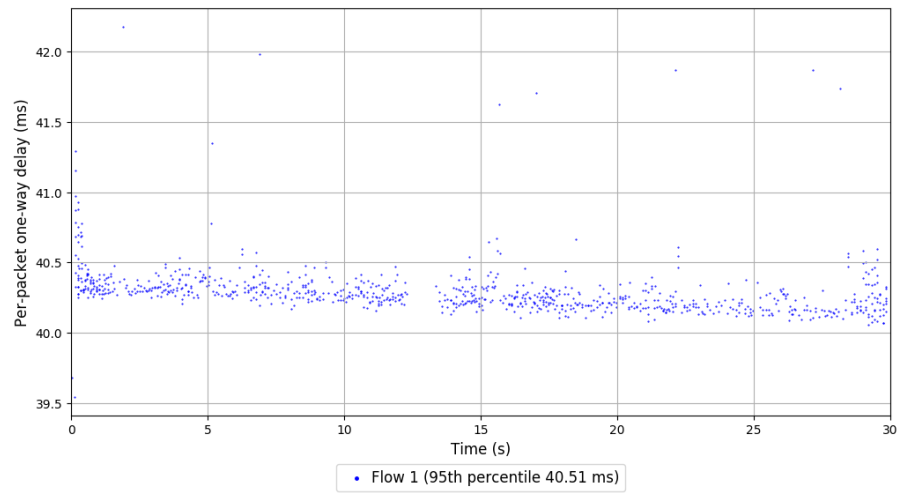
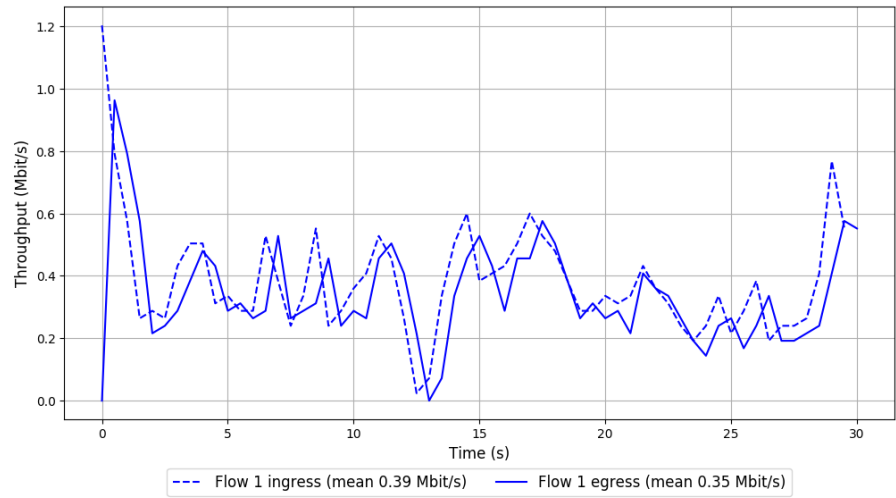


Run 4: Statistics of TCP Cubic

Start at: 2018-06-19 03:18:04
End at: 2018-06-19 03:18:34
Local clock offset: 6.963 ms
Remote clock offset: -1.389 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 40.505 ms
Loss rate: 9.55%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 40.505 ms
Loss rate: 9.55%

Run 4: Report of TCP Cubic — Data Link

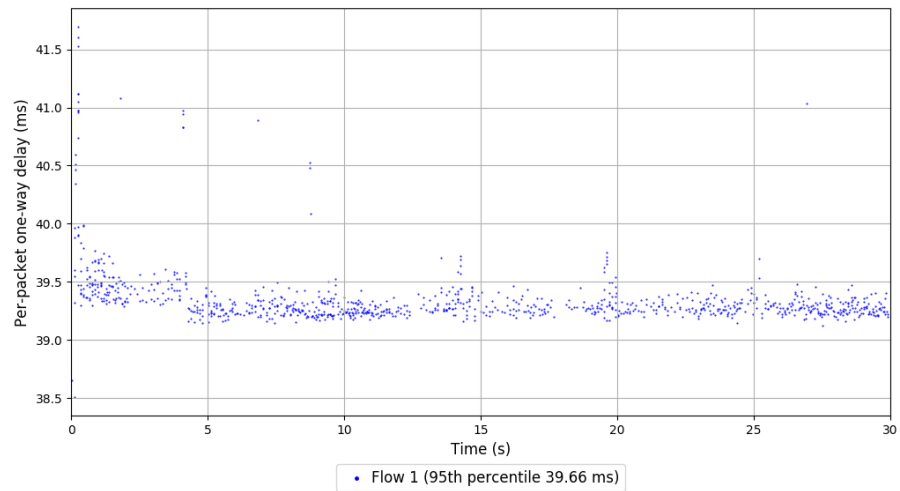
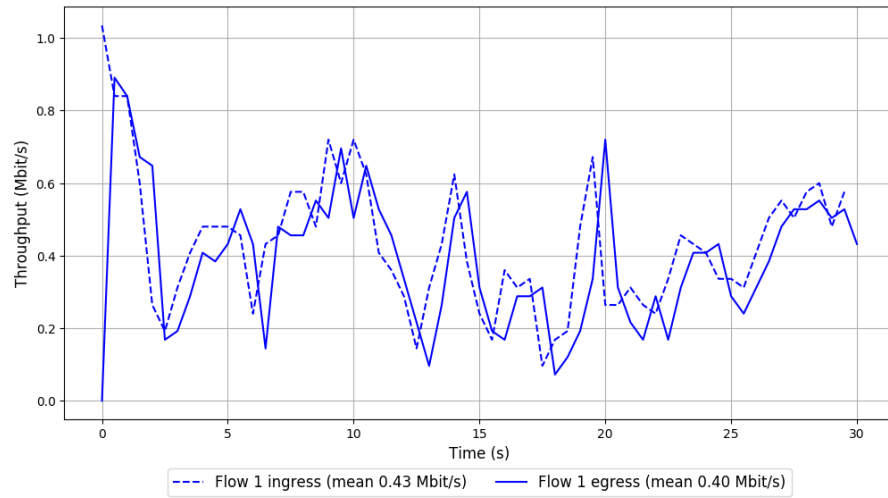


Run 5: Statistics of TCP Cubic

Start at: 2018-06-19 03:47:43
End at: 2018-06-19 03:48:13
Local clock offset: 6.715 ms
Remote clock offset: -1.347 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 39.664 ms
Loss rate: 8.32%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 39.664 ms
Loss rate: 8.32%

Run 5: Report of TCP Cubic — Data Link

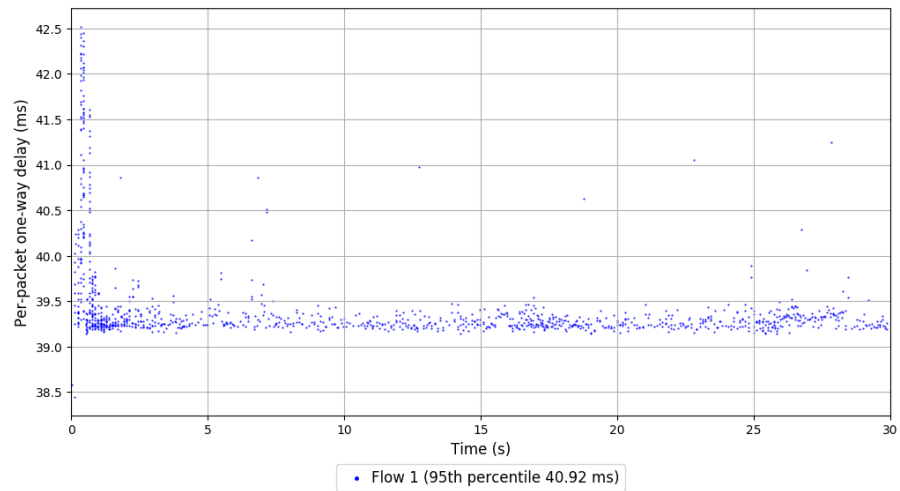
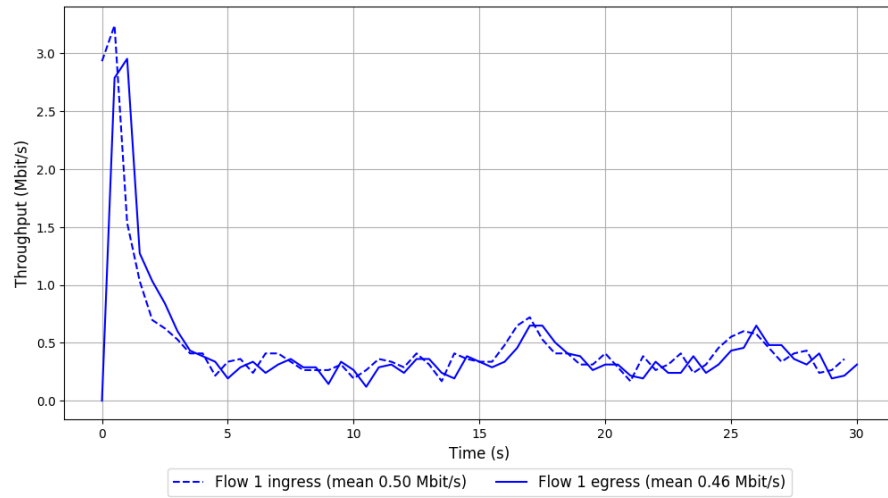


Run 6: Statistics of TCP Cubic

Start at: 2018-06-19 04:16:54
End at: 2018-06-19 04:17:24
Local clock offset: 8.332 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 40.918 ms
Loss rate: 7.80%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 40.918 ms
Loss rate: 7.80%

Run 6: Report of TCP Cubic — Data Link

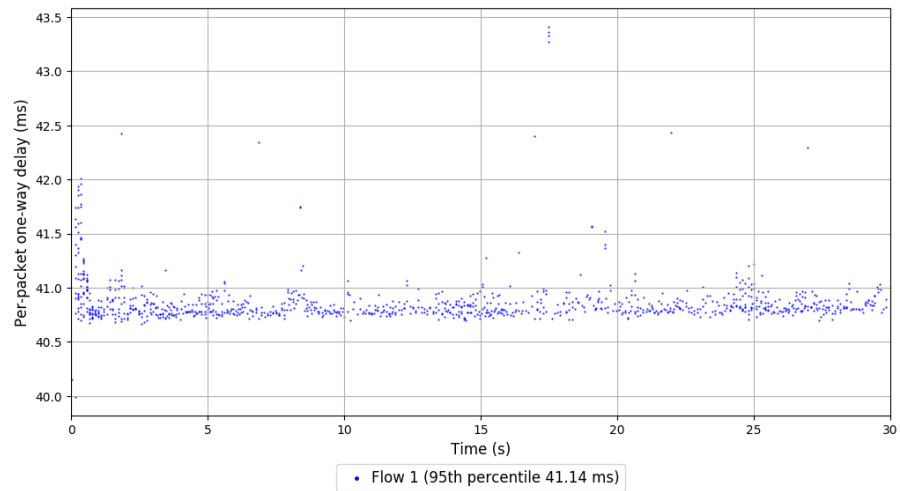
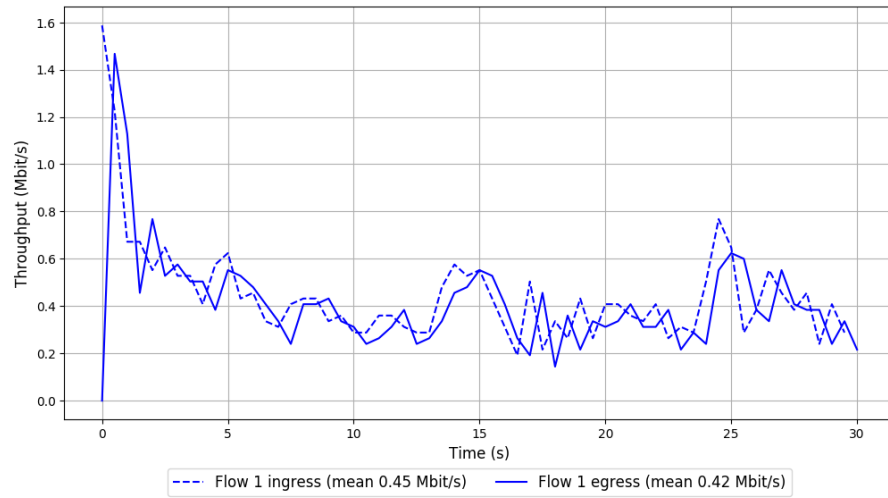


Run 7: Statistics of TCP Cubic

Start at: 2018-06-19 04:47:09
End at: 2018-06-19 04:47:39
Local clock offset: 5.506 ms
Remote clock offset: -1.263 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.136 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 41.136 ms
Loss rate: 7.21%

Run 7: Report of TCP Cubic — Data Link

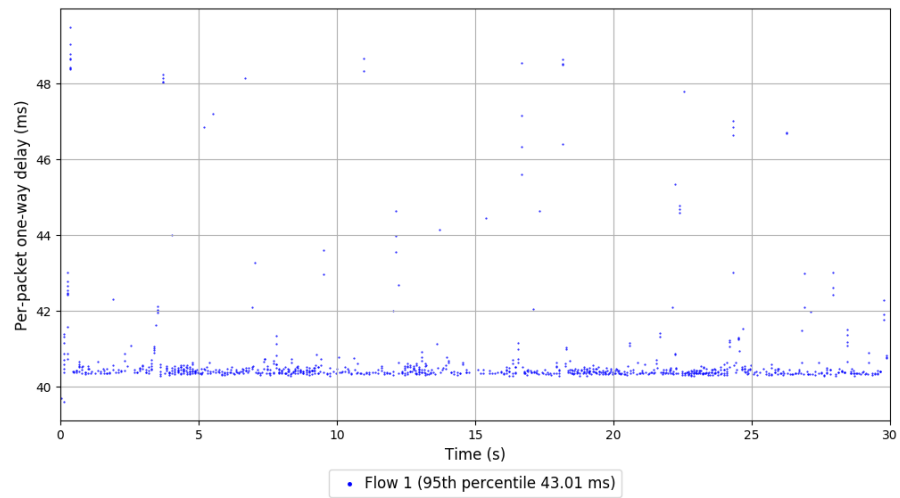
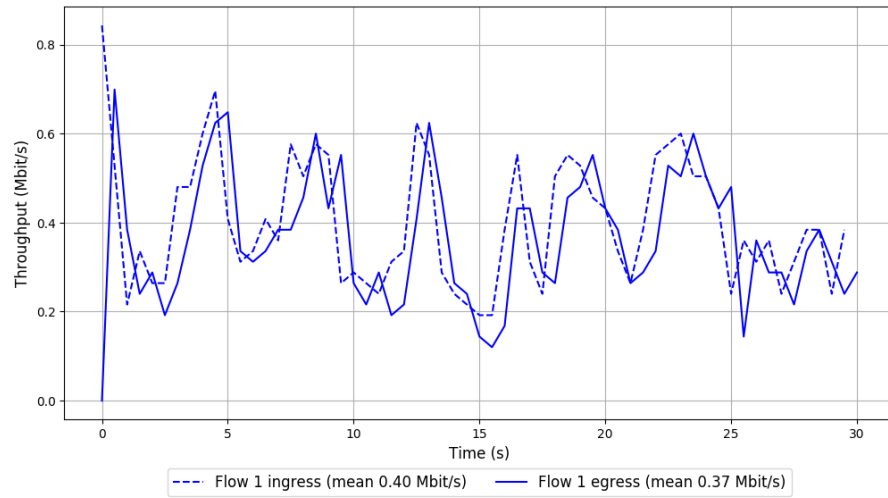


Run 8: Statistics of TCP Cubic

Start at: 2018-06-19 05:17:48
End at: 2018-06-19 05:18:18
Local clock offset: 7.226 ms
Remote clock offset: -1.317 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 43.013 ms
Loss rate: 7.98%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 43.013 ms
Loss rate: 7.98%

Run 8: Report of TCP Cubic — Data Link

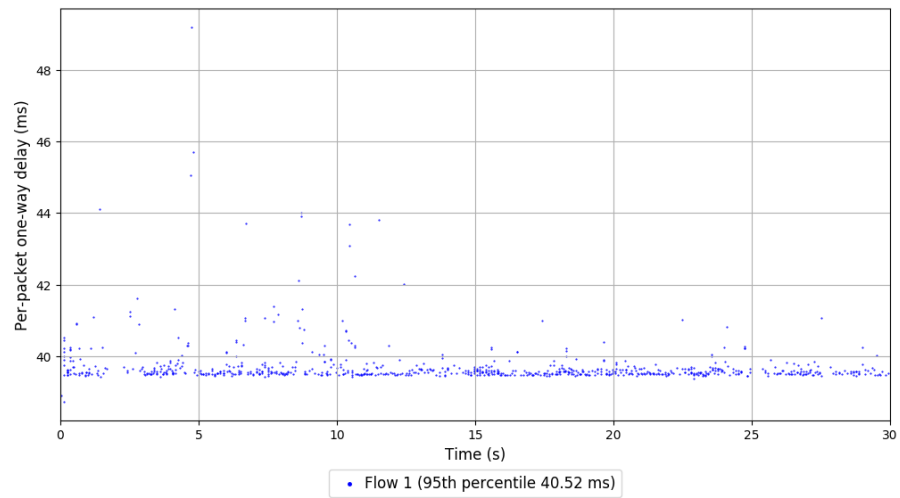
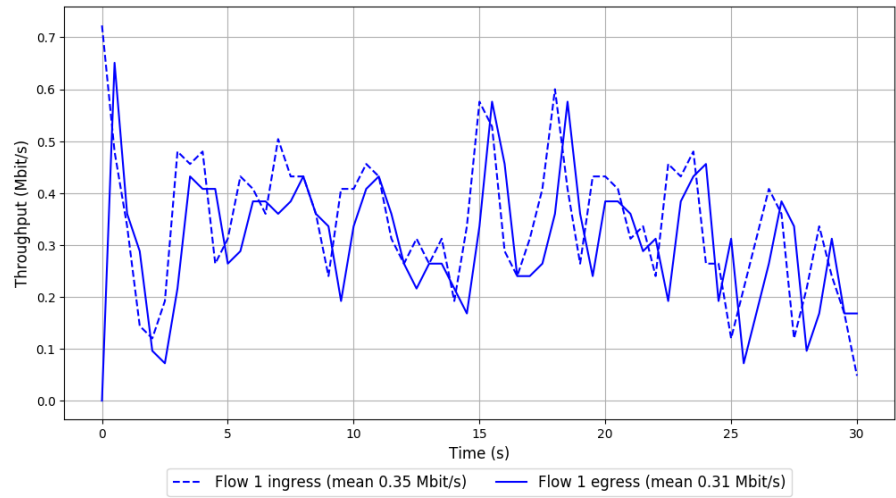


Run 9: Statistics of TCP Cubic

Start at: 2018-06-19 05:48:01
End at: 2018-06-19 05:48:31
Local clock offset: 7.474 ms
Remote clock offset: -1.195 ms

Below is generated by plot.py at 2018-06-19 06:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 40.517 ms
Loss rate: 11.16%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 40.517 ms
Loss rate: 11.16%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-19 06:17:46

End at: 2018-06-19 06:18:16

Local clock offset: 6.21 ms

Remote clock offset: -1.26 ms

Below is generated by plot.py at 2018-06-19 06:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 39.738 ms

Loss rate: 8.29%

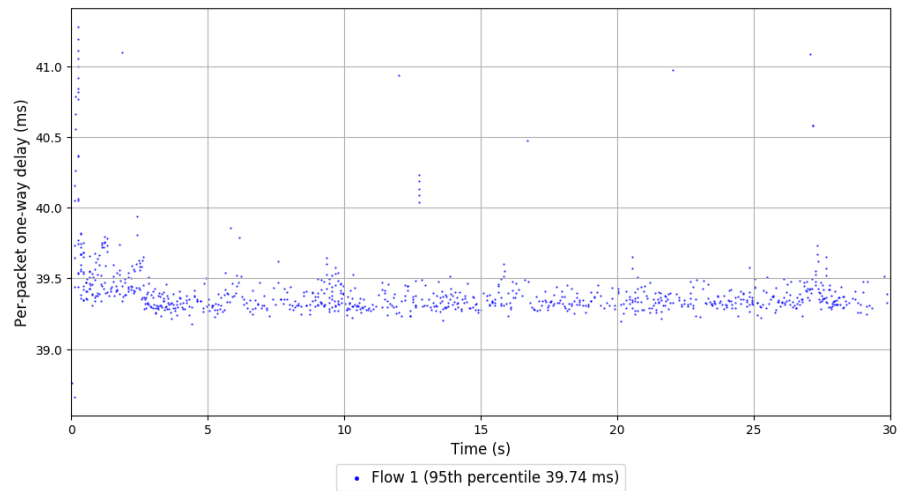
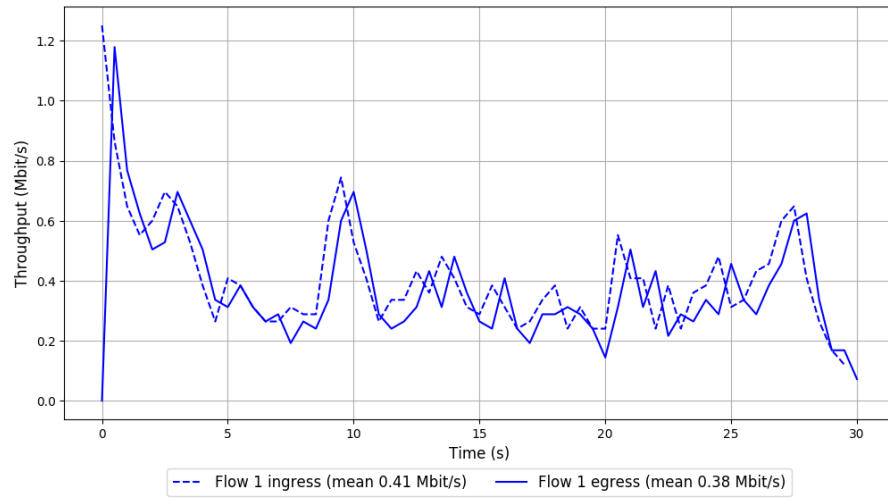
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 39.738 ms

Loss rate: 8.29%

Run 10: Report of TCP Cubic — Data Link

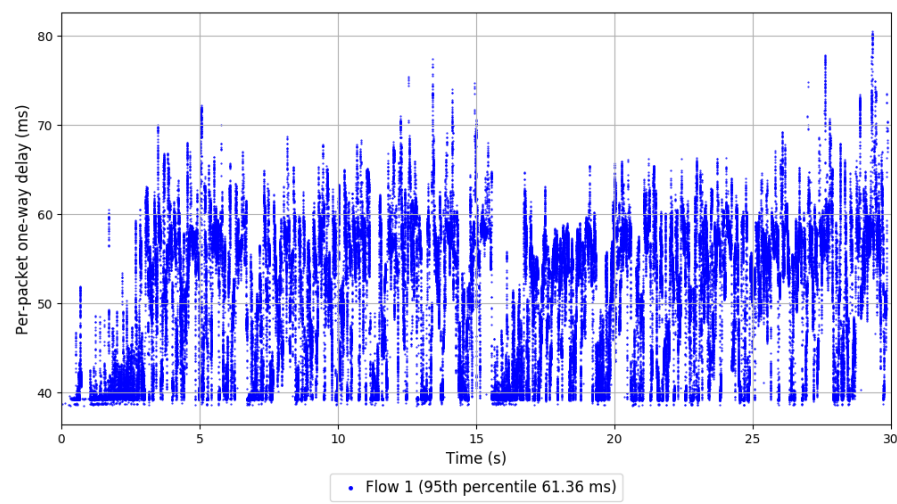
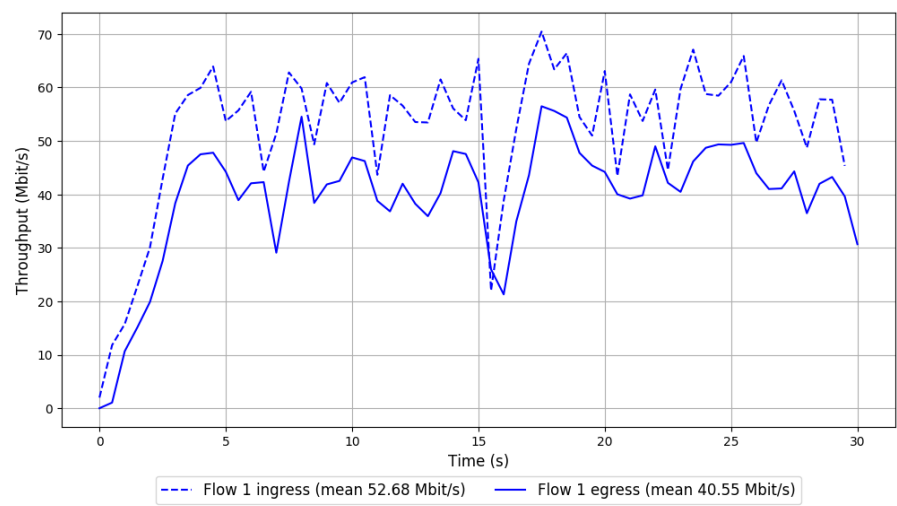


Run 1: Statistics of FillP

Start at: 2018-06-19 01:44:46
End at: 2018-06-19 01:45:16
Local clock offset: 2.76 ms
Remote clock offset: -2.293 ms

Below is generated by plot.py at 2018-06-19 06:42:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 61.360 ms
Loss rate: 23.29%
-- Flow 1:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 61.360 ms
Loss rate: 23.29%

Run 1: Report of FillP — Data Link

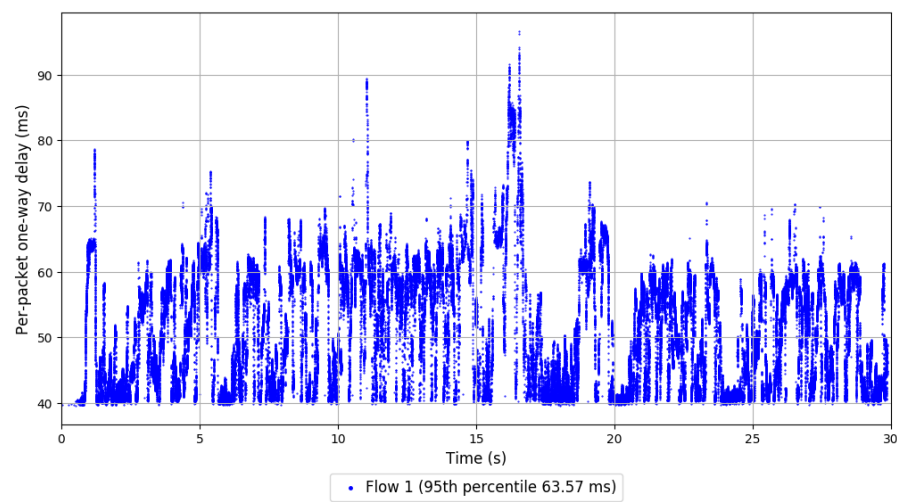
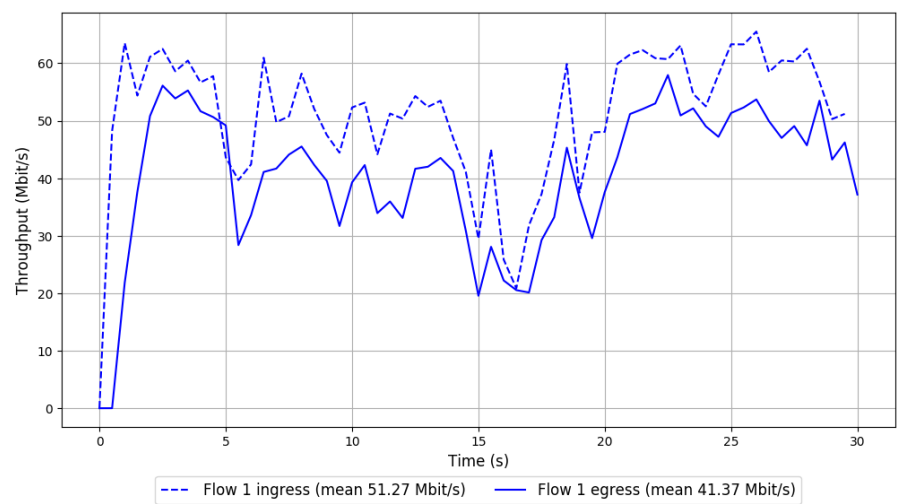


Run 2: Statistics of FillP

Start at: 2018-06-19 02:14:34
End at: 2018-06-19 02:15:04
Local clock offset: -2.182 ms
Remote clock offset: -2.648 ms

Below is generated by plot.py at 2018-06-19 06:42:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 19.59%
-- Flow 1:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 19.59%

Run 2: Report of FillP — Data Link

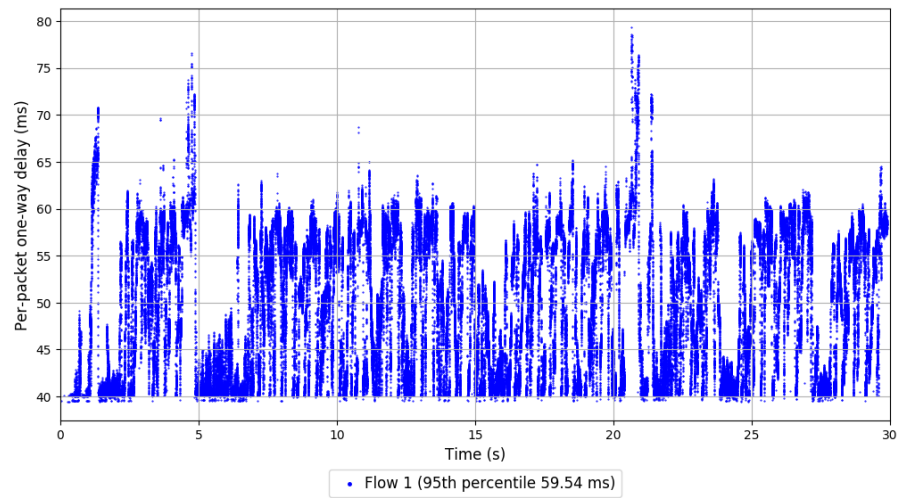
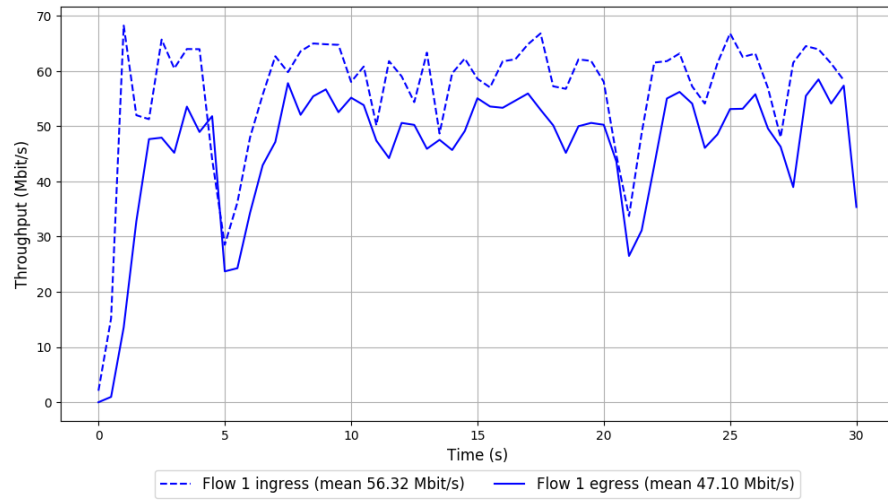


Run 3: Statistics of FillP

Start at: 2018-06-19 02:43:52
End at: 2018-06-19 02:44:23
Local clock offset: -5.517 ms
Remote clock offset: -2.942 ms

Below is generated by plot.py at 2018-06-19 06:42:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 59.538 ms
Loss rate: 16.66%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 59.538 ms
Loss rate: 16.66%

Run 3: Report of FillP — Data Link

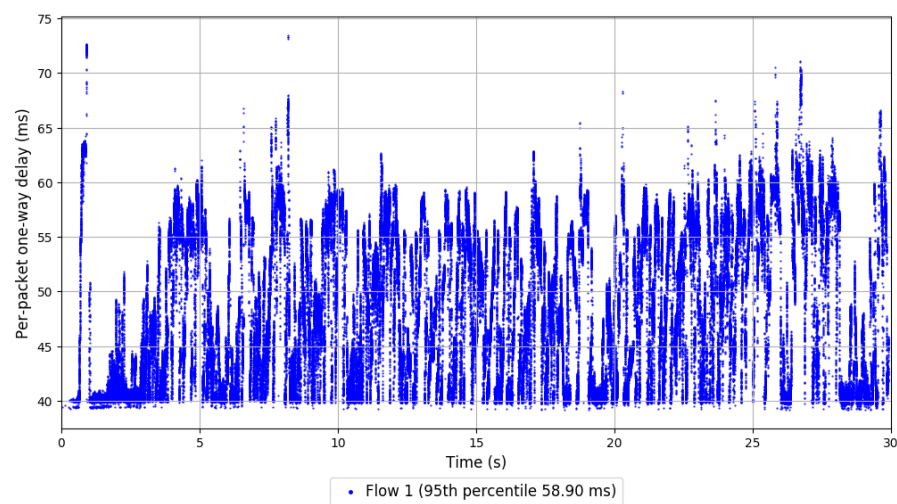
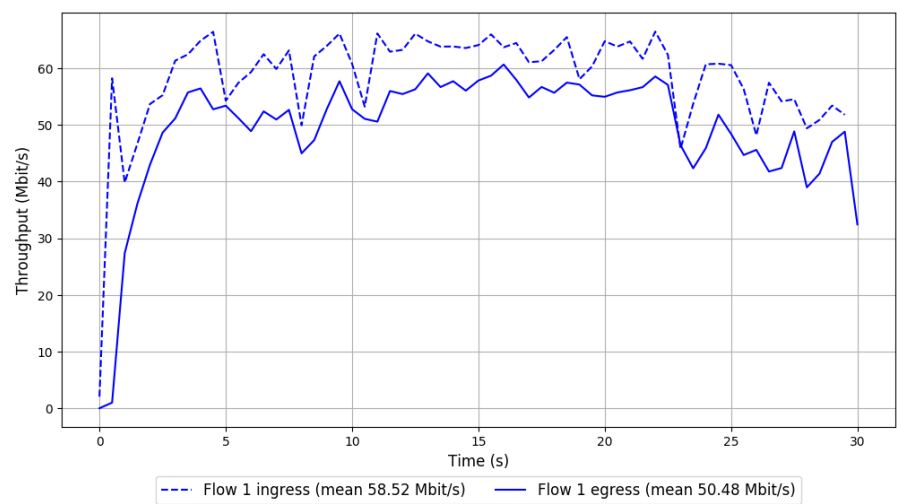


Run 4: Statistics of FillP

Start at: 2018-06-19 03:13:18
End at: 2018-06-19 03:13:48
Local clock offset: 4.752 ms
Remote clock offset: -1.447 ms

Below is generated by plot.py at 2018-06-19 06:42:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 58.897 ms
Loss rate: 14.05%
-- Flow 1:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 58.897 ms
Loss rate: 14.05%

Run 4: Report of FillP — Data Link

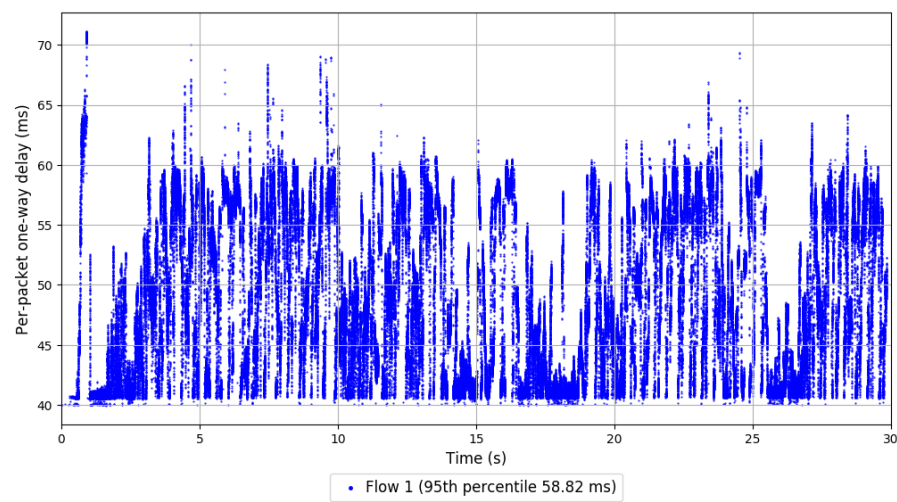
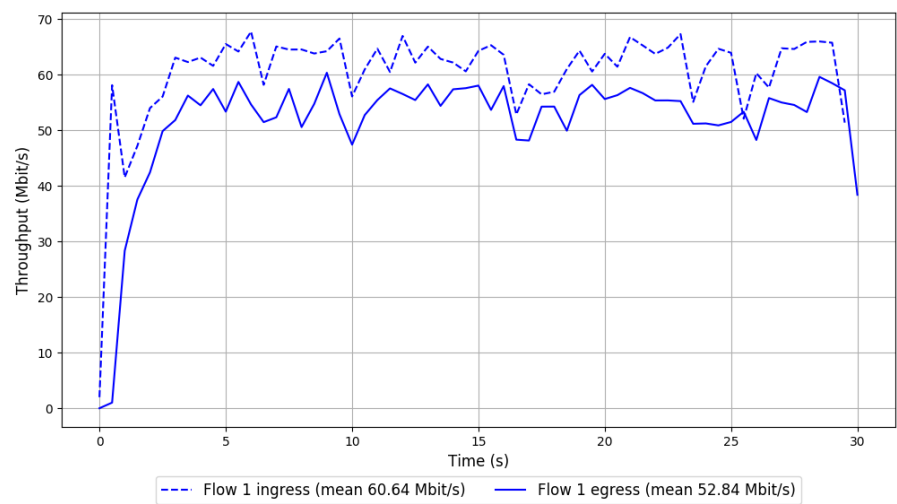


Run 5: Statistics of FillP

Start at: 2018-06-19 03:42:58
End at: 2018-06-19 03:43:28
Local clock offset: 7.265 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-06-19 06:42:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 58.821 ms
Loss rate: 13.16%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 58.821 ms
Loss rate: 13.16%

Run 5: Report of FillP — Data Link

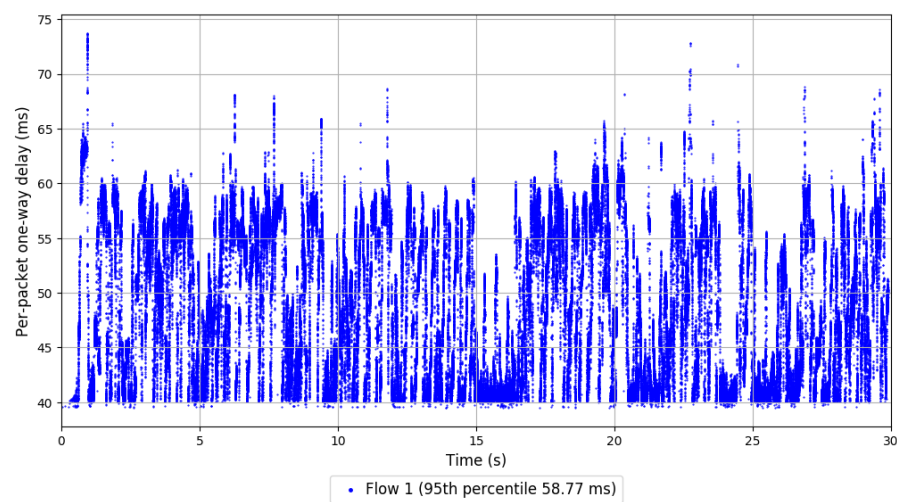
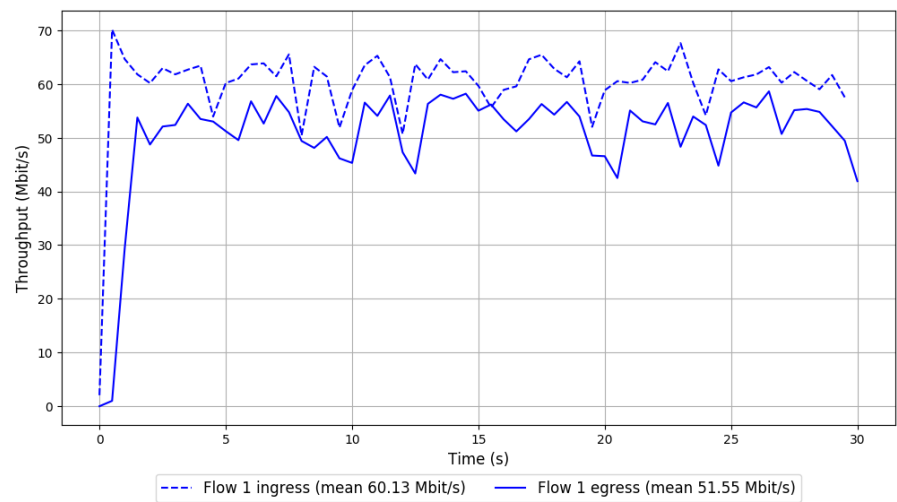


Run 6: Statistics of FillP

Start at: 2018-06-19 04:12:10
End at: 2018-06-19 04:12:40
Local clock offset: 7.954 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-06-19 06:42:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 58.768 ms
Loss rate: 14.56%
-- Flow 1:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 58.768 ms
Loss rate: 14.56%

Run 6: Report of FillP — Data Link

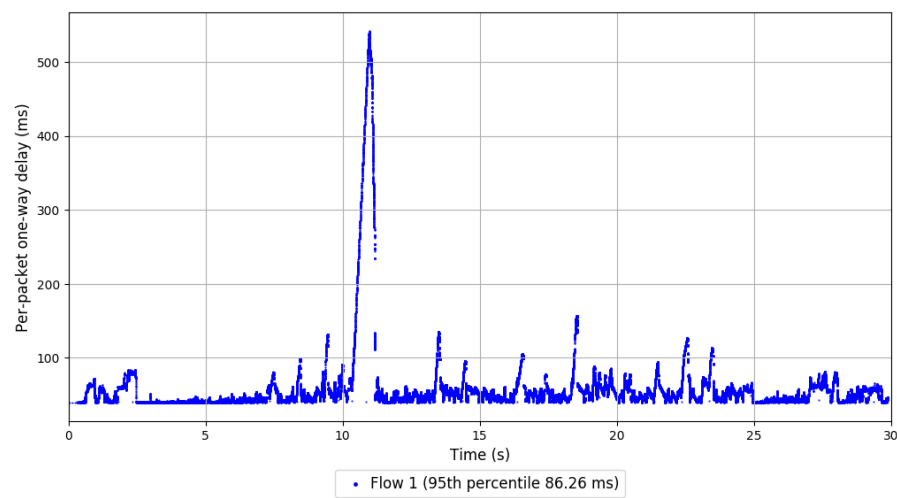
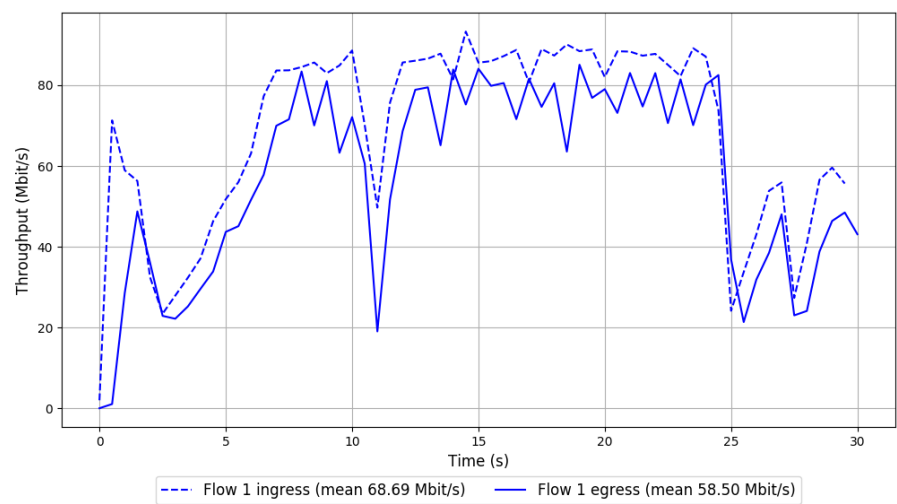


Run 7: Statistics of FillP

Start at: 2018-06-19 04:42:03
End at: 2018-06-19 04:42:33
Local clock offset: 6.065 ms
Remote clock offset: -1.031 ms

Below is generated by plot.py at 2018-06-19 06:42:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 15.13%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 15.13%

Run 7: Report of FillP — Data Link

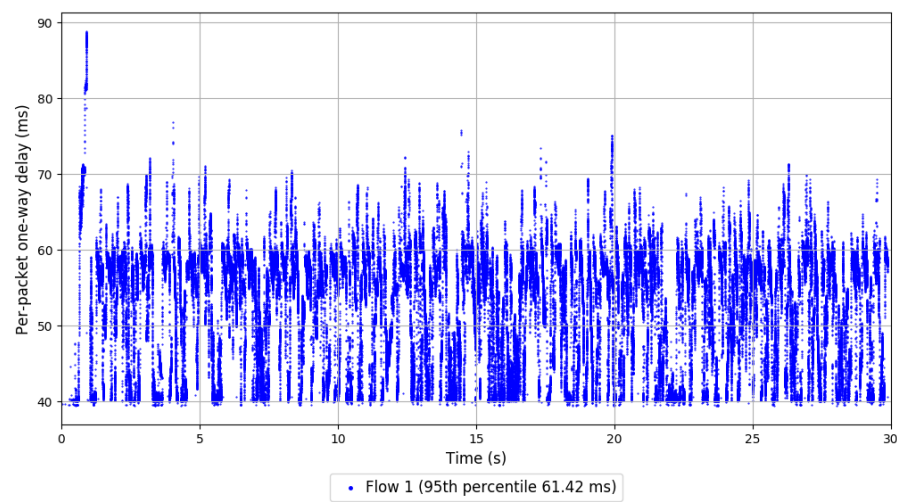
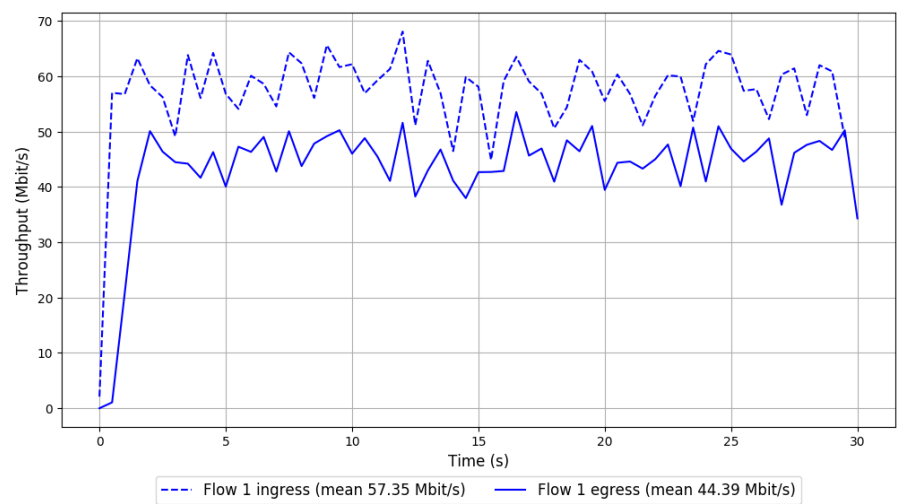


Run 8: Statistics of FillP

Start at: 2018-06-19 05:12:56
End at: 2018-06-19 05:13:26
Local clock offset: 6.783 ms
Remote clock offset: -1.095 ms

Below is generated by plot.py at 2018-06-19 06:42:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 61.418 ms
Loss rate: 22.88%
-- Flow 1:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 61.418 ms
Loss rate: 22.88%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-19 05:43:11

End at: 2018-06-19 05:43:41

Local clock offset: 7.676 ms

Remote clock offset: -1.08 ms

Below is generated by plot.py at 2018-06-19 06:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 58.524 ms

Loss rate: 12.64%

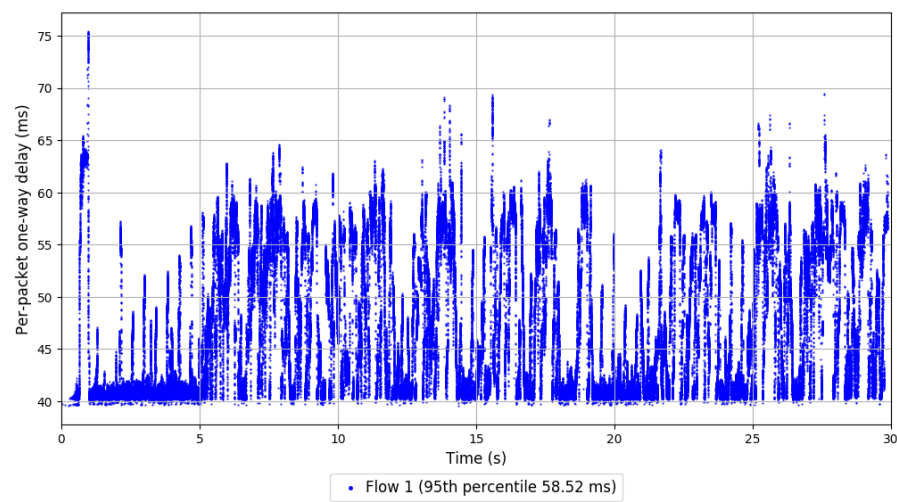
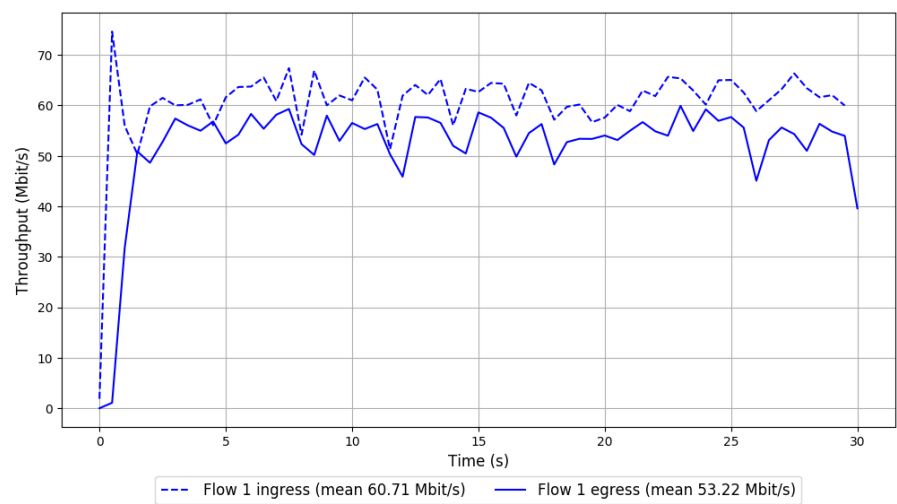
-- Flow 1:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 58.524 ms

Loss rate: 12.64%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-19 06:12:58

End at: 2018-06-19 06:13:28

Local clock offset: 6.648 ms

Remote clock offset: -1.359 ms

Below is generated by plot.py at 2018-06-19 06:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.48 Mbit/s

95th percentile per-packet one-way delay: 58.360 ms

Loss rate: 12.26%

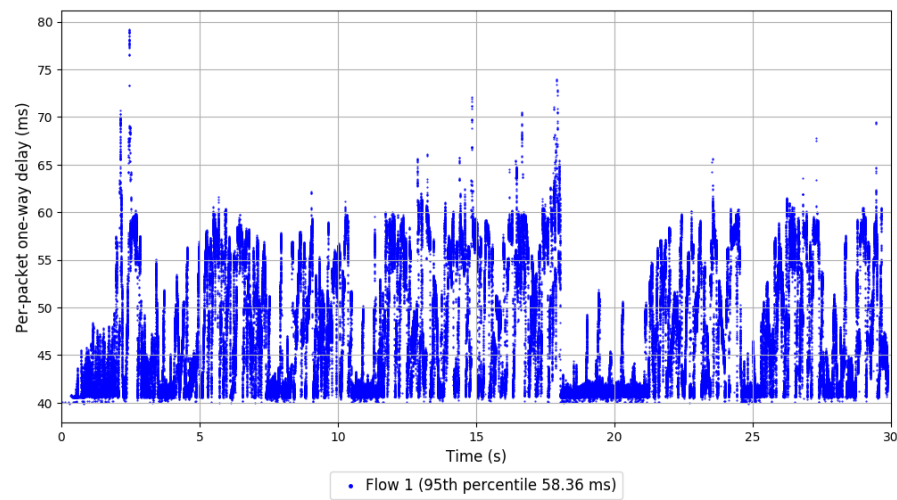
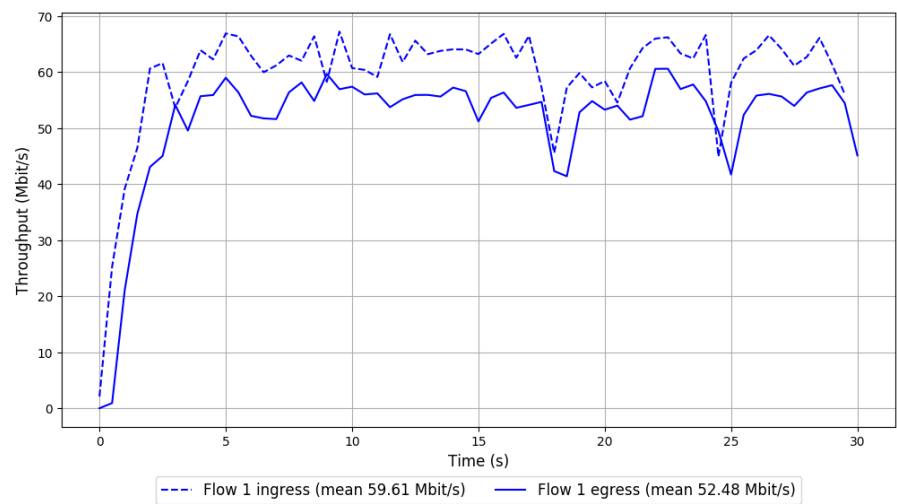
-- Flow 1:

Average throughput: 52.48 Mbit/s

95th percentile per-packet one-way delay: 58.360 ms

Loss rate: 12.26%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-19 02:05:17

End at: 2018-06-19 02:05:47

Local clock offset: 1.57 ms

Remote clock offset: -2.564 ms

Below is generated by plot.py at 2018-06-19 06:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 67.707 ms

Loss rate: 38.82%

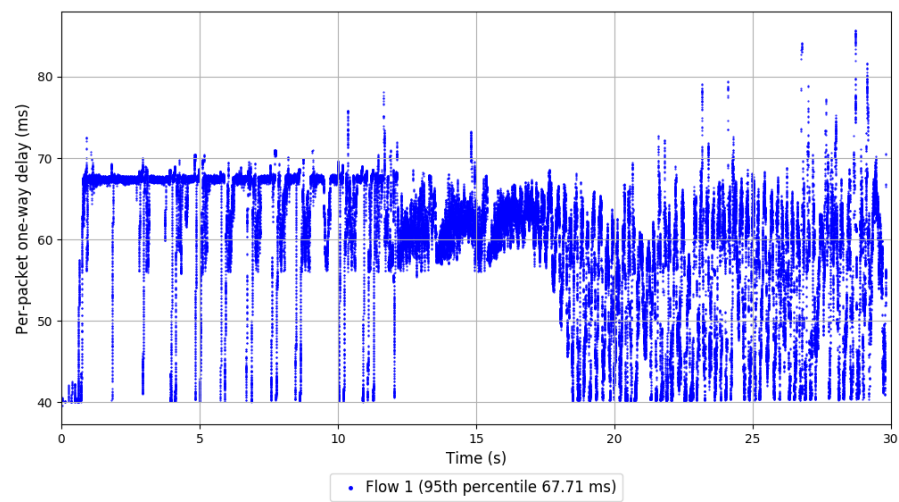
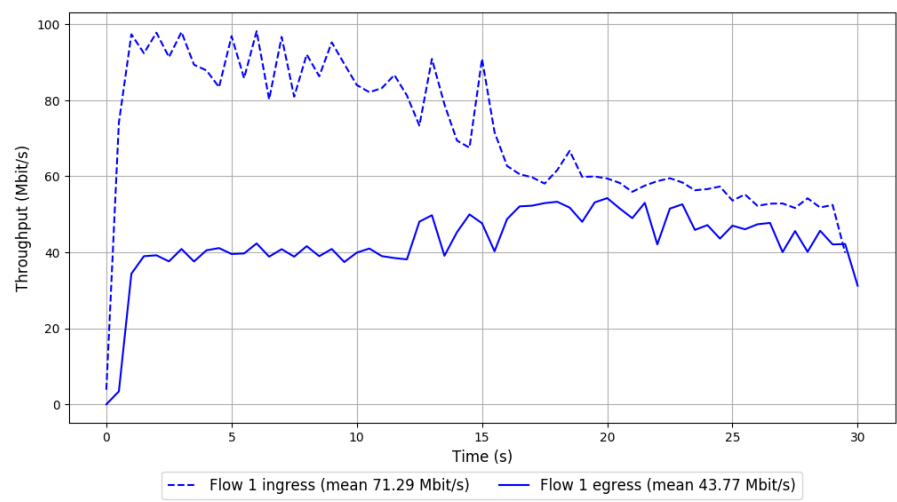
-- Flow 1:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 67.707 ms

Loss rate: 38.82%

Run 1: Report of Indigo — Data Link

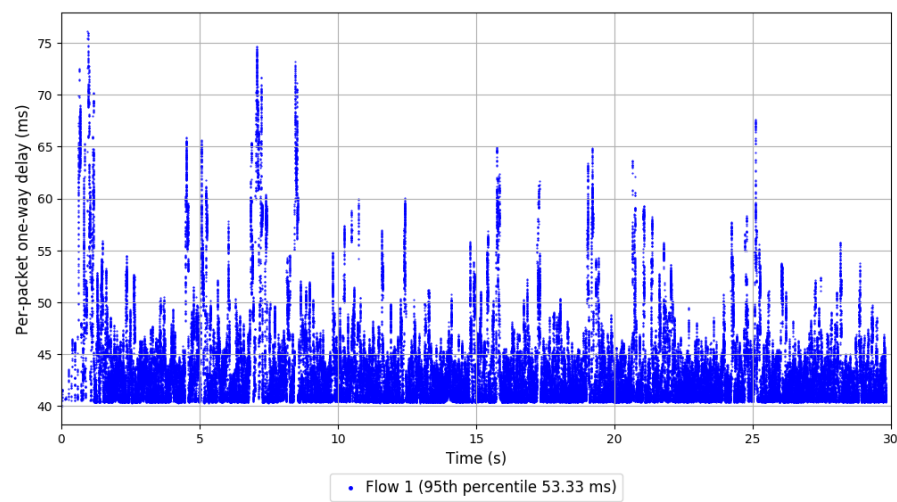
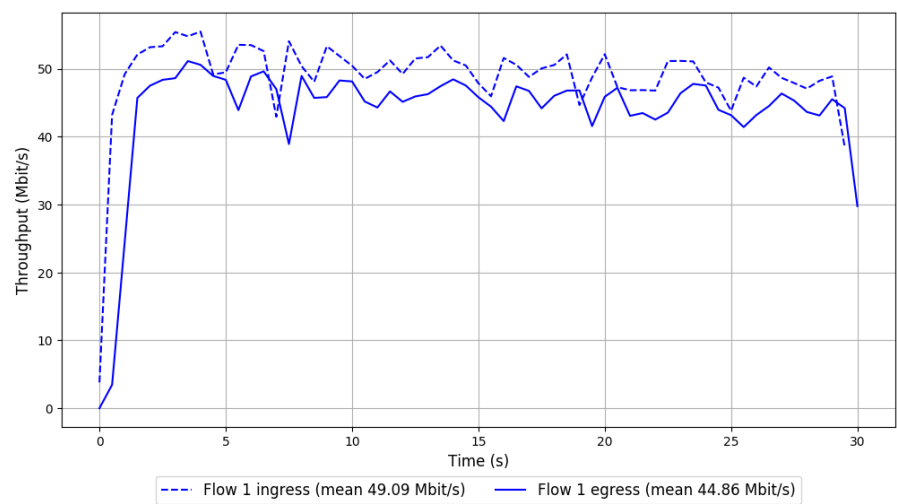


Run 2: Statistics of Indigo

Start at: 2018-06-19 02:34:45
End at: 2018-06-19 02:35:15
Local clock offset: -4.737 ms
Remote clock offset: -2.916 ms

Below is generated by plot.py at 2018-06-19 06:43:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 53.329 ms
Loss rate: 8.94%
-- Flow 1:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 53.329 ms
Loss rate: 8.94%

Run 2: Report of Indigo — Data Link

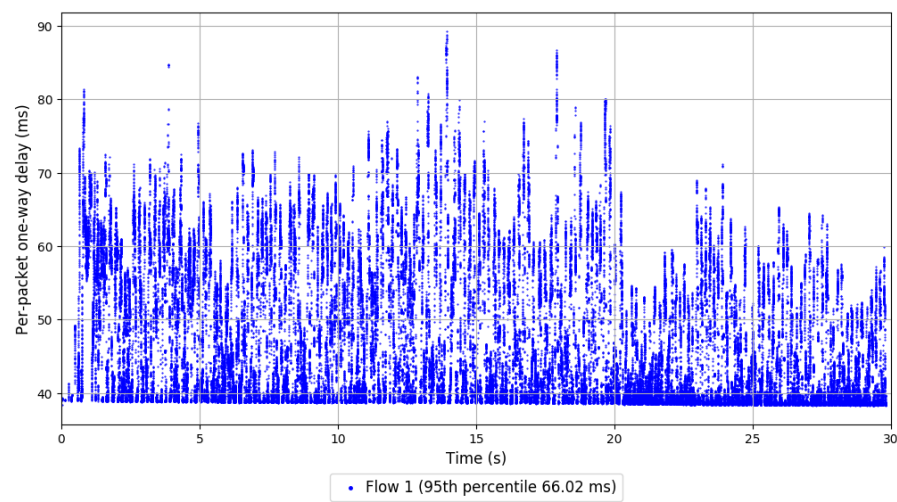
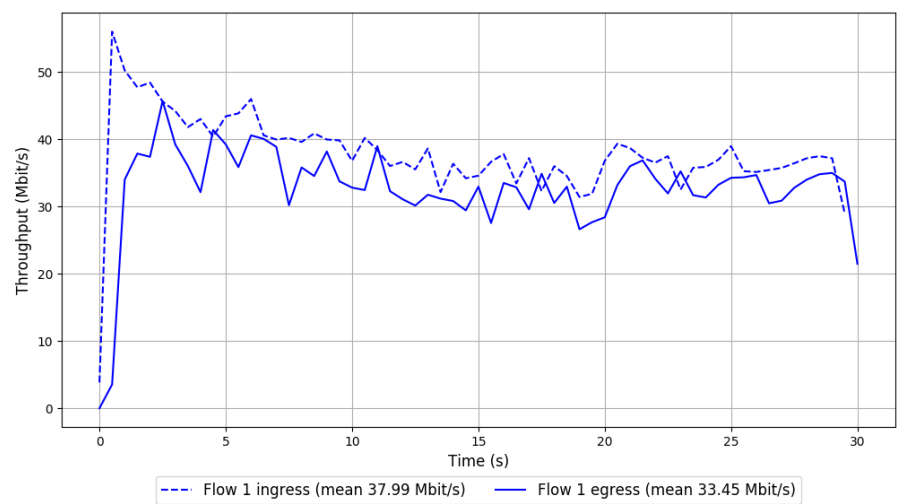


Run 3: Statistics of Indigo

Start at: 2018-06-19 03:04:28
End at: 2018-06-19 03:04:58
Local clock offset: -2.755 ms
Remote clock offset: -1.527 ms

Below is generated by plot.py at 2018-06-19 06:43:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 66.019 ms
Loss rate: 12.26%
-- Flow 1:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 66.019 ms
Loss rate: 12.26%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-19 03:33:33

End at: 2018-06-19 03:34:03

Local clock offset: 9.859 ms

Remote clock offset: -1.397 ms

Below is generated by plot.py at 2018-06-19 06:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.94 Mbit/s

95th percentile per-packet one-way delay: 61.657 ms

Loss rate: 10.81%

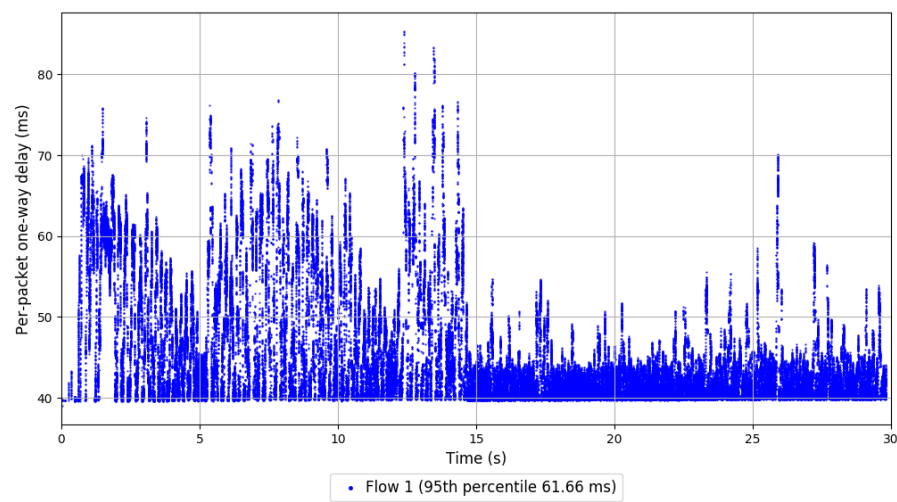
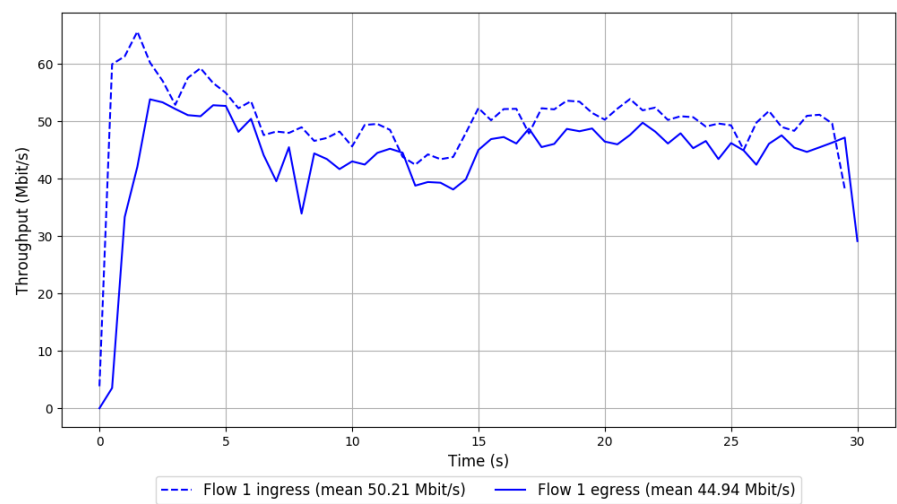
-- Flow 1:

Average throughput: 44.94 Mbit/s

95th percentile per-packet one-way delay: 61.657 ms

Loss rate: 10.81%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-19 04:03:24

End at: 2018-06-19 04:03:54

Local clock offset: 7.235 ms

Remote clock offset: -0.746 ms

Below is generated by plot.py at 2018-06-19 06:43:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.58 Mbit/s

95th percentile per-packet one-way delay: 78.590 ms

Loss rate: 22.05%

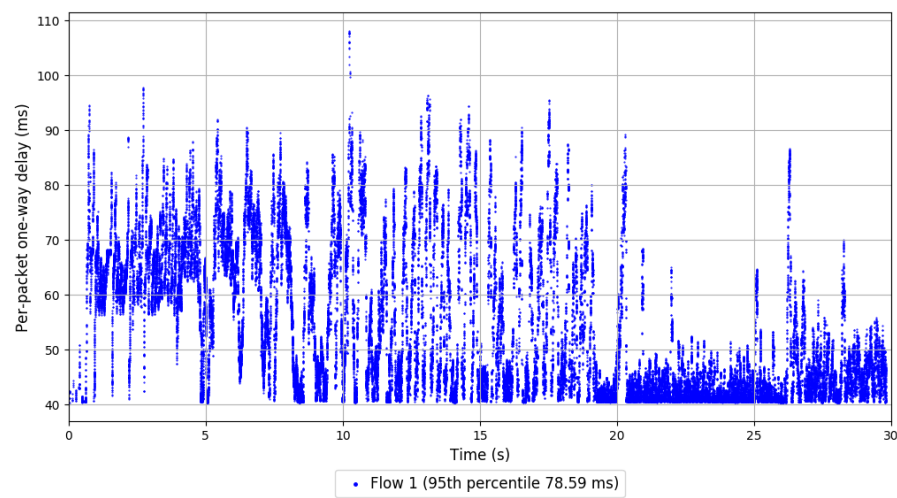
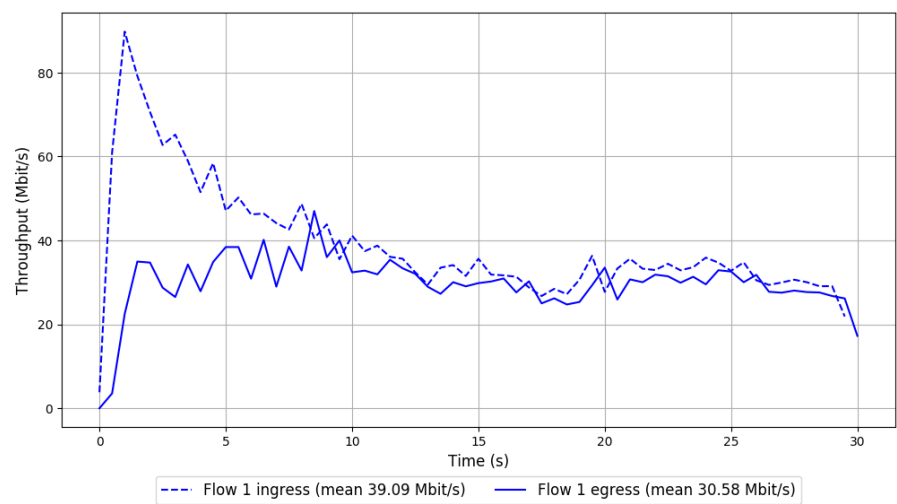
-- Flow 1:

Average throughput: 30.58 Mbit/s

95th percentile per-packet one-way delay: 78.590 ms

Loss rate: 22.05%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-19 04:32:43

End at: 2018-06-19 04:33:13

Local clock offset: 9.034 ms

Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-06-19 06:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.28 Mbit/s

95th percentile per-packet one-way delay: 60.370 ms

Loss rate: 10.18%

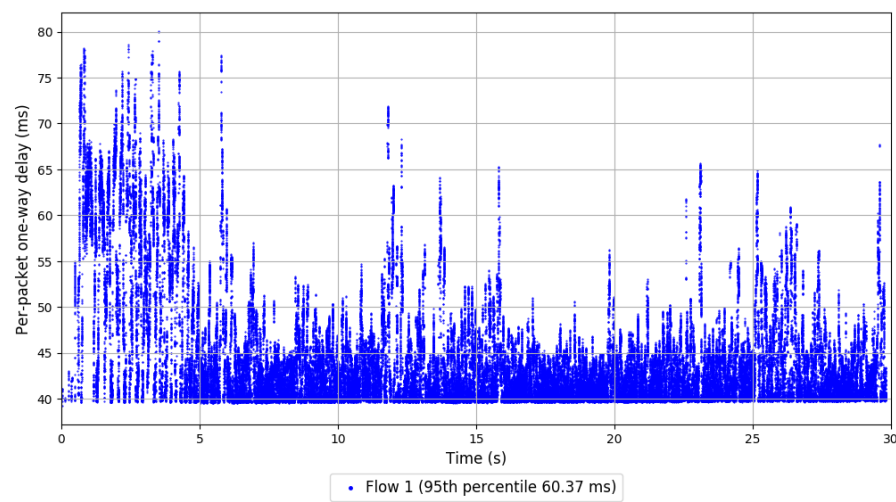
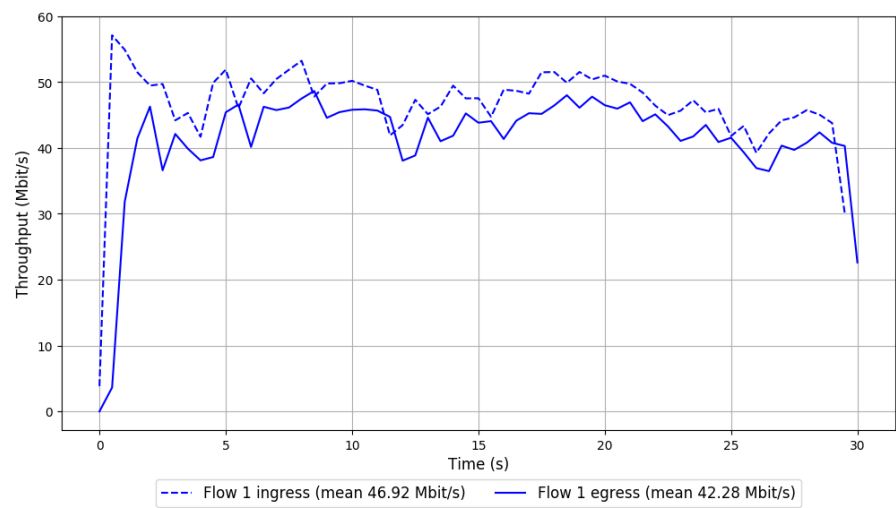
-- Flow 1:

Average throughput: 42.28 Mbit/s

95th percentile per-packet one-way delay: 60.370 ms

Loss rate: 10.18%

Run 6: Report of Indigo — Data Link

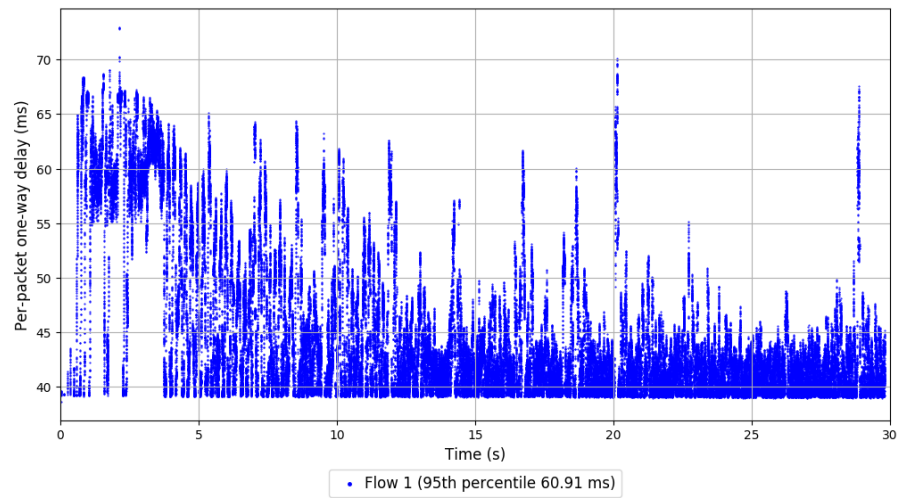
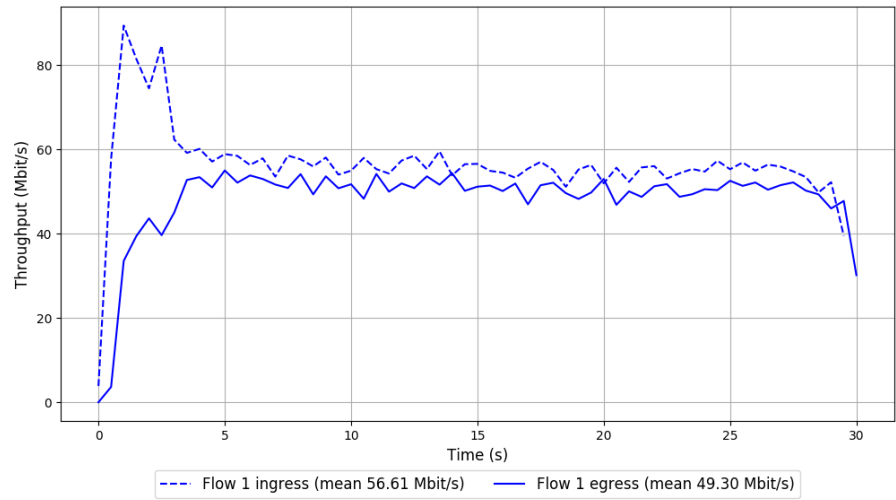


Run 7: Statistics of Indigo

Start at: 2018-06-19 05:03:10
End at: 2018-06-19 05:03:40
Local clock offset: 5.169 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-06-19 06:43:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 60.910 ms
Loss rate: 13.23%
-- Flow 1:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 60.910 ms
Loss rate: 13.23%

Run 7: Report of Indigo — Data Link

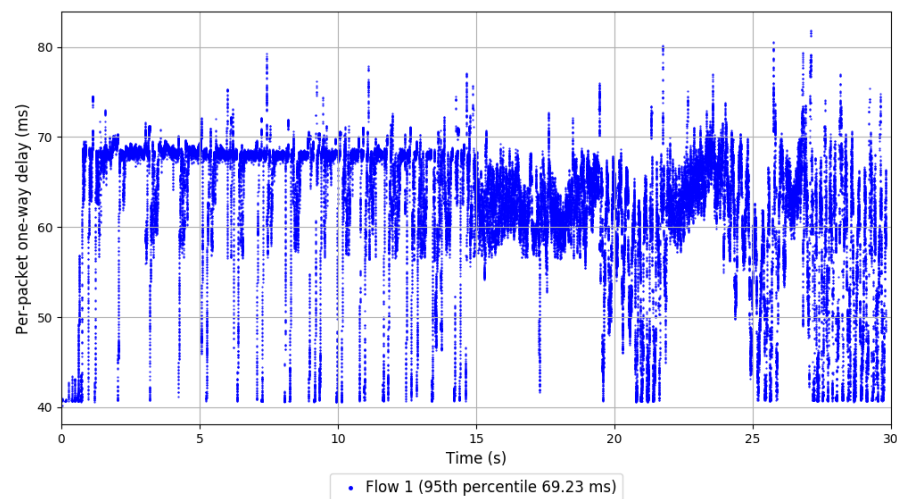
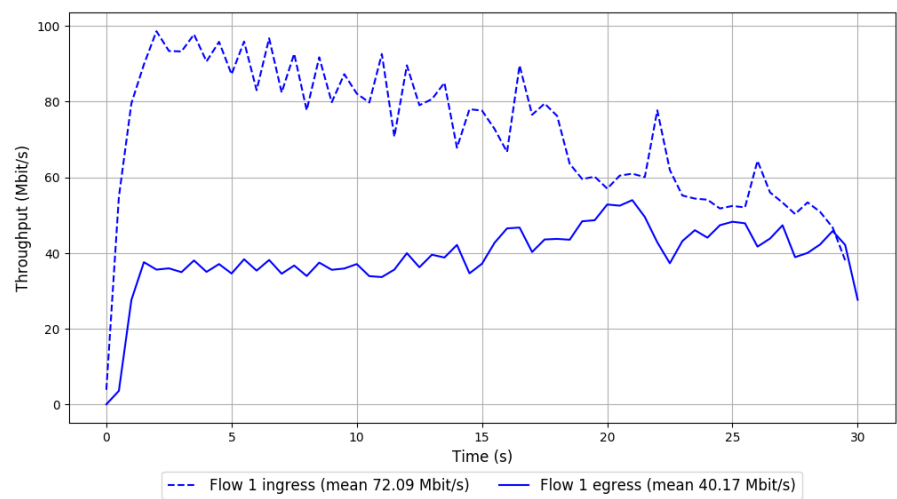


Run 8: Statistics of Indigo

Start at: 2018-06-19 05:33:29
End at: 2018-06-19 05:33:59
Local clock offset: 7.966 ms
Remote clock offset: -1.025 ms

Below is generated by plot.py at 2018-06-19 06:43:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 69.228 ms
Loss rate: 44.48%
-- Flow 1:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 69.228 ms
Loss rate: 44.48%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-19 06:03:50

End at: 2018-06-19 06:04:20

Local clock offset: 7.371 ms

Remote clock offset: -1.261 ms

Below is generated by plot.py at 2018-06-19 06:43:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.77 Mbit/s

95th percentile per-packet one-way delay: 58.121 ms

Loss rate: 9.24%

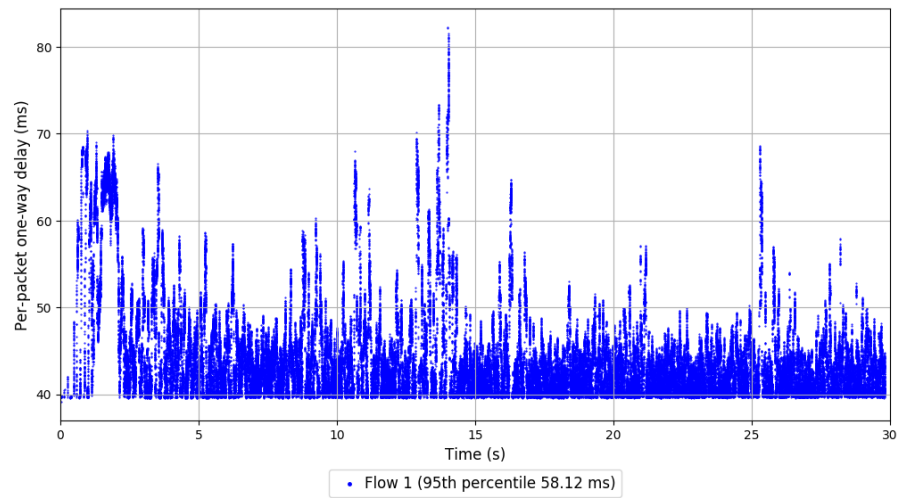
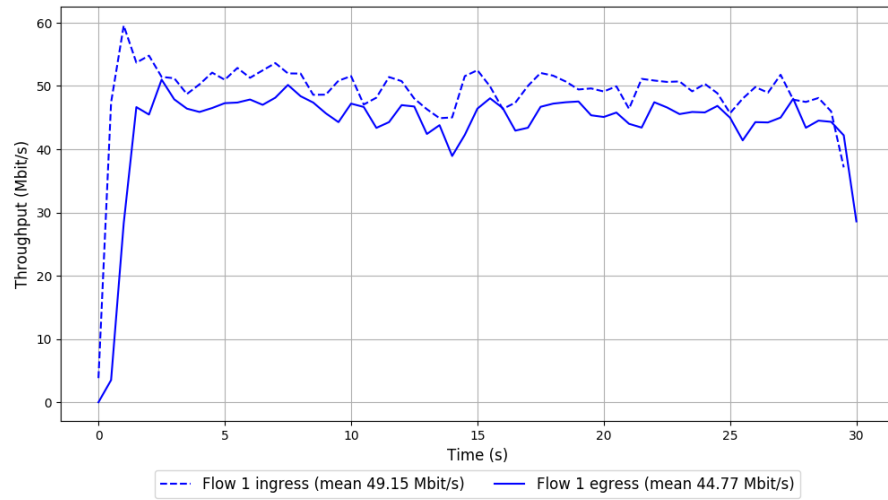
-- Flow 1:

Average throughput: 44.77 Mbit/s

95th percentile per-packet one-way delay: 58.121 ms

Loss rate: 9.24%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-19 06:34:24

End at: 2018-06-19 06:34:54

Local clock offset: 4.971 ms

Remote clock offset: -0.974 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.14 Mbit/s

95th percentile per-packet one-way delay: 68.049 ms

Loss rate: 23.61%

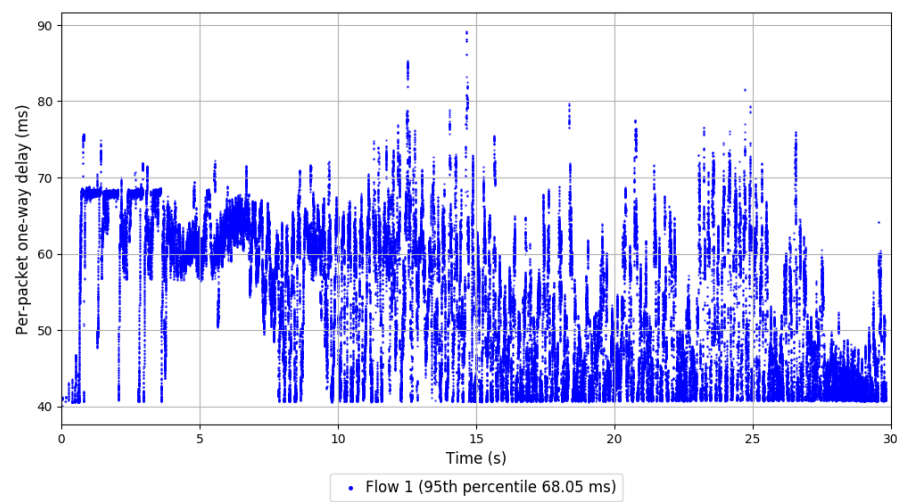
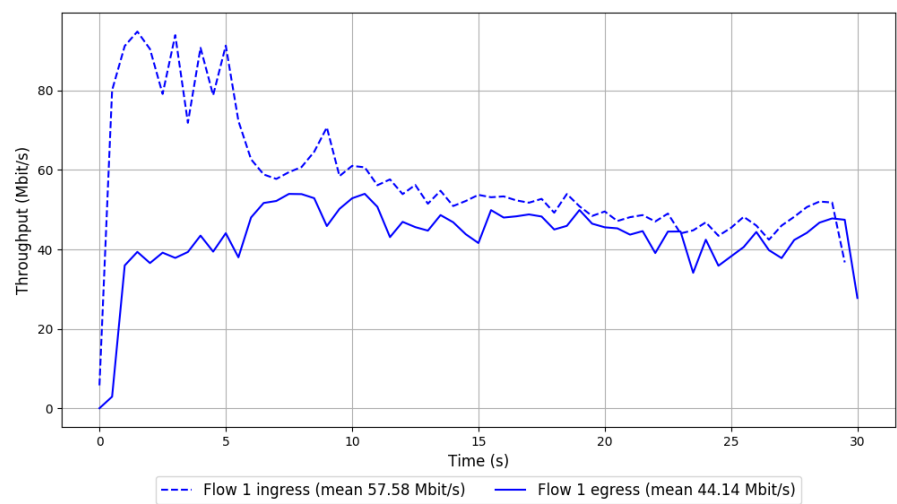
-- Flow 1:

Average throughput: 44.14 Mbit/s

95th percentile per-packet one-way delay: 68.049 ms

Loss rate: 23.61%

Run 10: Report of Indigo — Data Link

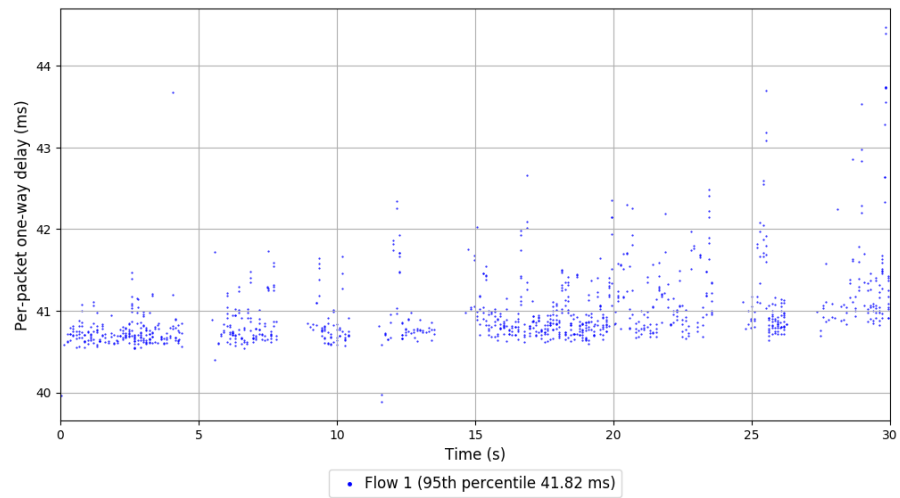
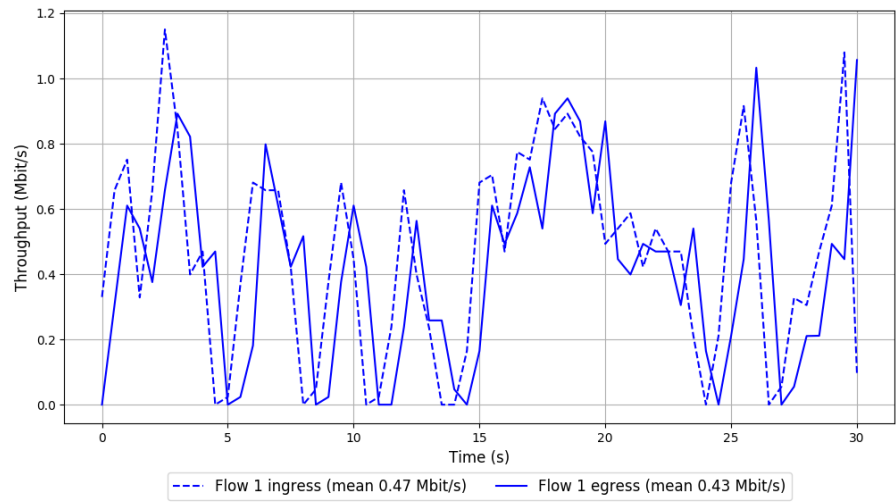


Run 1: Statistics of LEDBAT

Start at: 2018-06-19 02:09:10
End at: 2018-06-19 02:09:40
Local clock offset: -0.599 ms
Remote clock offset: -2.528 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 41.821 ms
Loss rate: 9.27%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 41.821 ms
Loss rate: 9.27%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

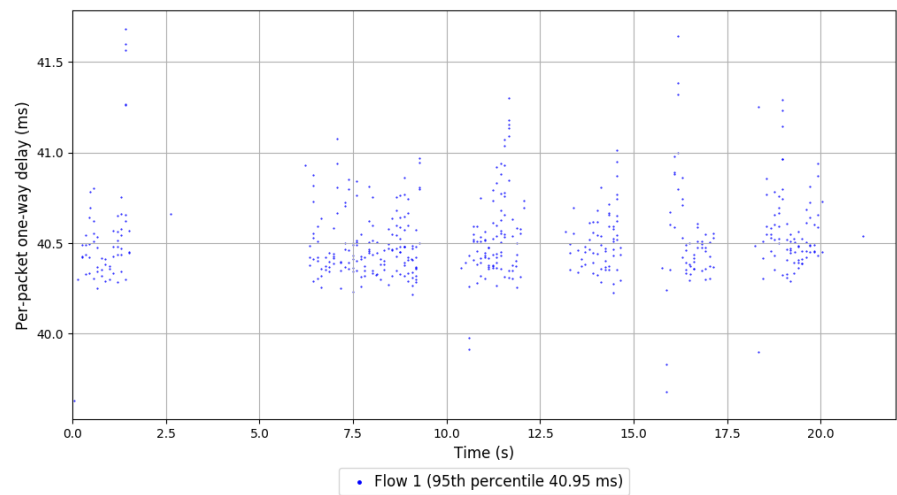
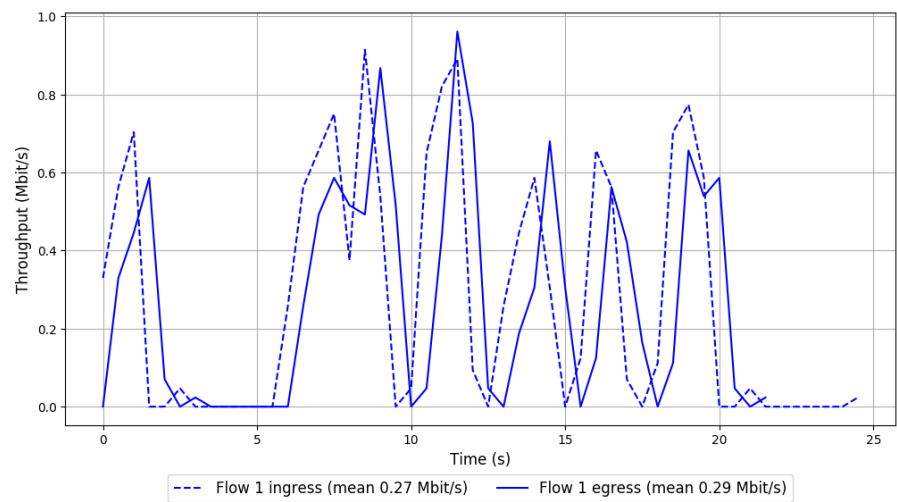
Start at: 2018-06-19 02:38:18

End at: 2018-06-19 02:38:48

Local clock offset: -5.113 ms

Remote clock offset: -2.93 ms

Run 2: Report of LEDBAT — Data Link

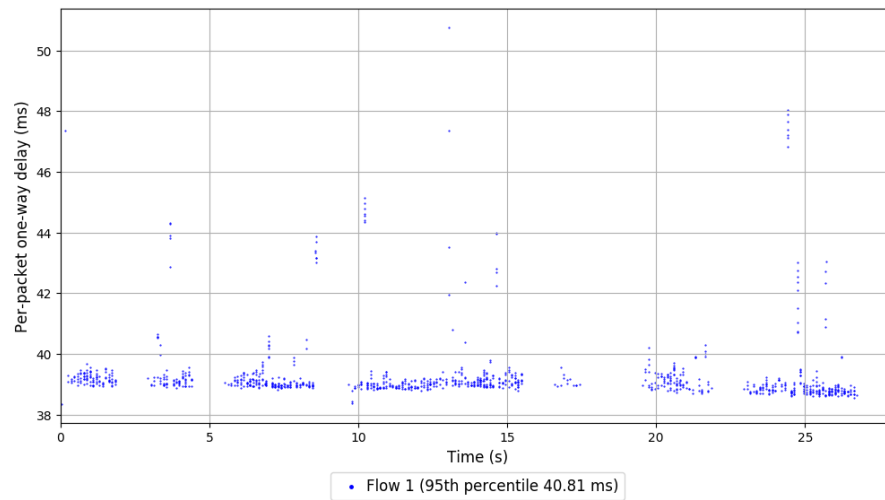
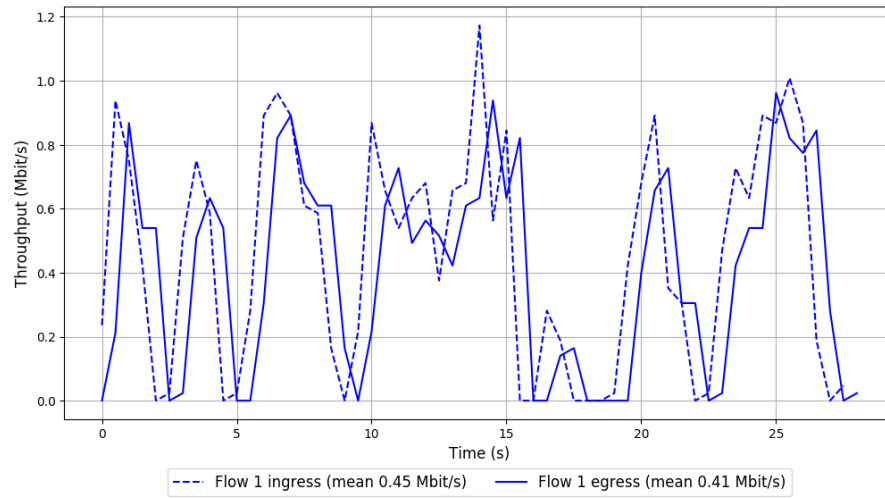


Run 3: Statistics of LEDBAT

Start at: 2018-06-19 03:07:25
End at: 2018-06-19 03:07:55
Local clock offset: 0.393 ms
Remote clock offset: -1.441 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 40.809 ms
Loss rate: 9.15%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 40.809 ms
Loss rate: 9.15%

Run 3: Report of LEDBAT — Data Link

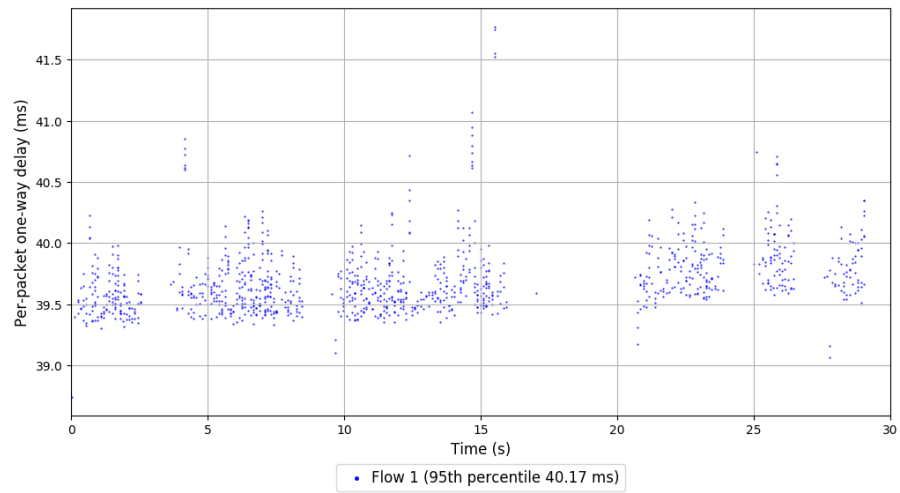
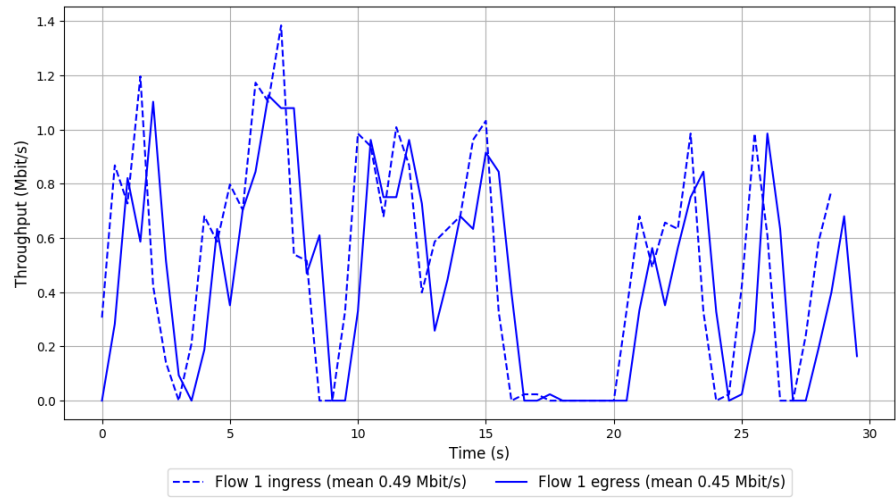


Run 4: Statistics of LEDBAT

Start at: 2018-06-19 03:37:17
End at: 2018-06-19 03:37:47
Local clock offset: 8.138 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 40.166 ms
Loss rate: 8.21%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 40.166 ms
Loss rate: 8.21%

Run 4: Report of LEDBAT — Data Link

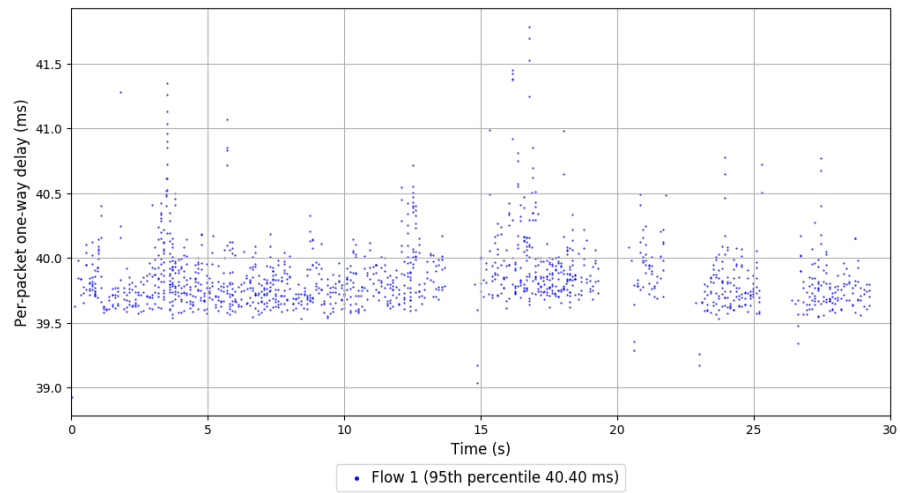
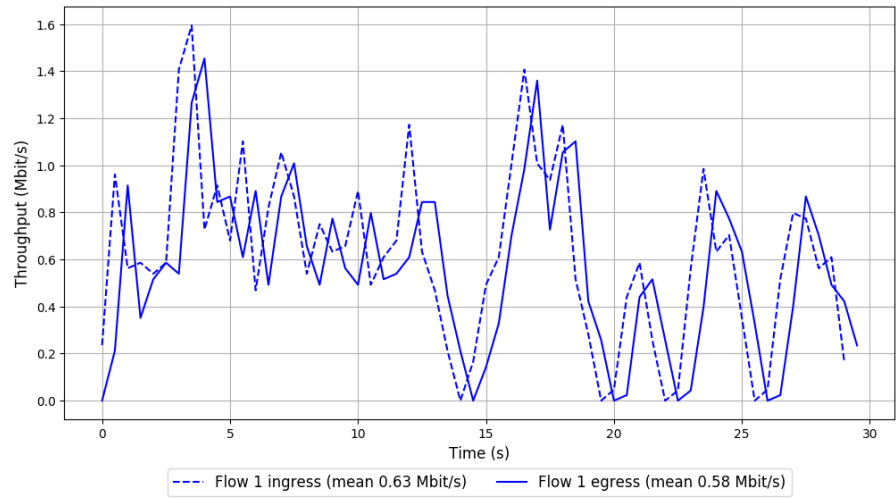


Run 5: Statistics of LEDBAT

Start at: 2018-06-19 04:06:26
End at: 2018-06-19 04:06:56
Local clock offset: 7.543 ms
Remote clock offset: -0.689 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 40.401 ms
Loss rate: 7.64%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 40.401 ms
Loss rate: 7.64%

Run 5: Report of LEDBAT — Data Link

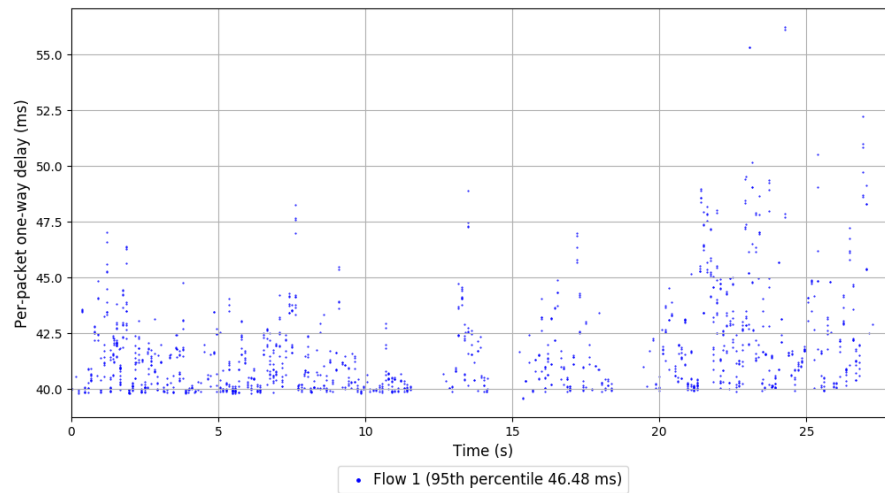
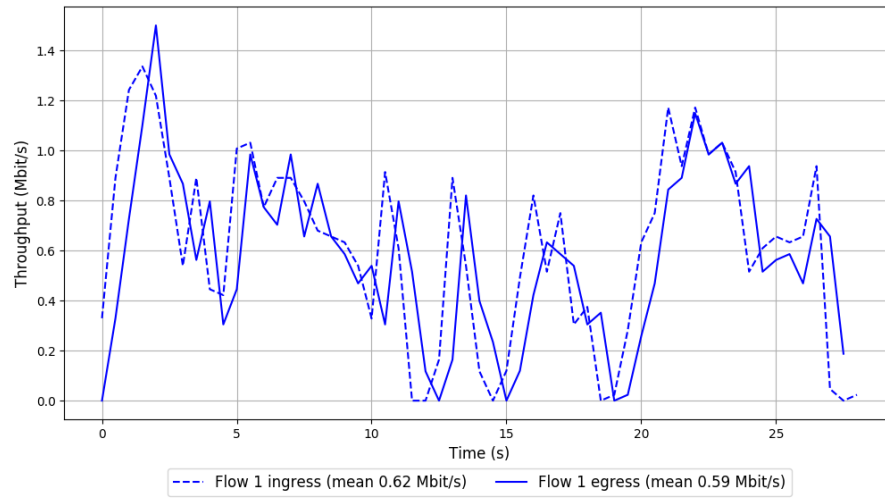


Run 6: Statistics of LEDBAT

Start at: 2018-06-19 04:36:17
End at: 2018-06-19 04:36:47
Local clock offset: 7.66 ms
Remote clock offset: -0.583 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 46.482 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 46.482 ms
Loss rate: 7.76%

Run 6: Report of LEDBAT — Data Link

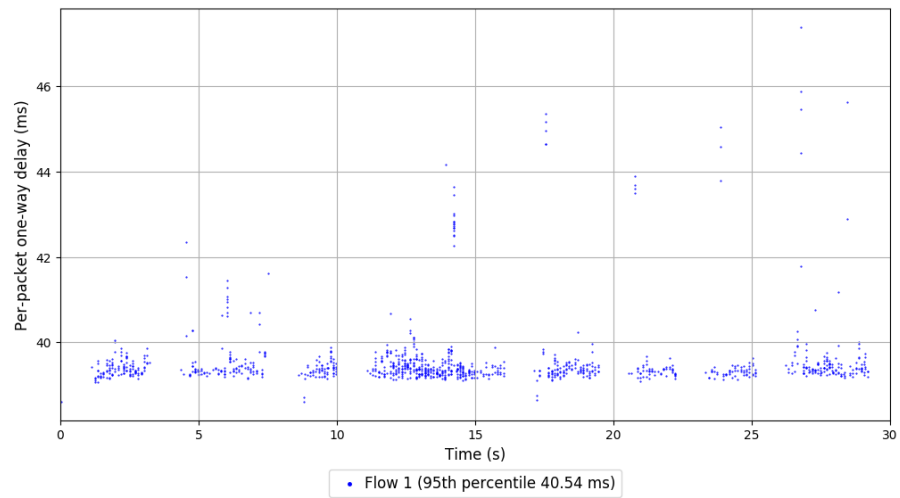
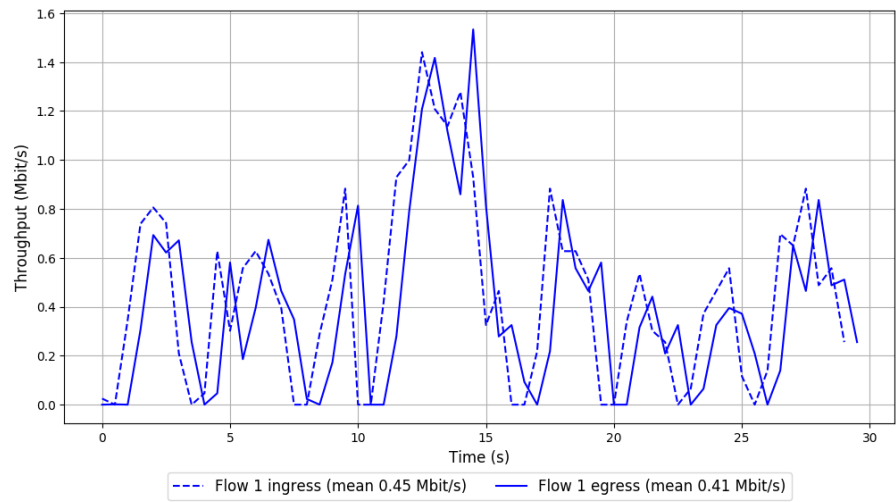


Run 7: Statistics of LEDBAT

Start at: 2018-06-19 05:07:14
End at: 2018-06-19 05:07:44
Local clock offset: 5.758 ms
Remote clock offset: -1.193 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 40.541 ms
Loss rate: 8.18%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 40.541 ms
Loss rate: 8.18%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-19 05:37:25

End at: 2018-06-19 05:37:55

Local clock offset: 7.529 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 41.013 ms

Loss rate: 8.36%

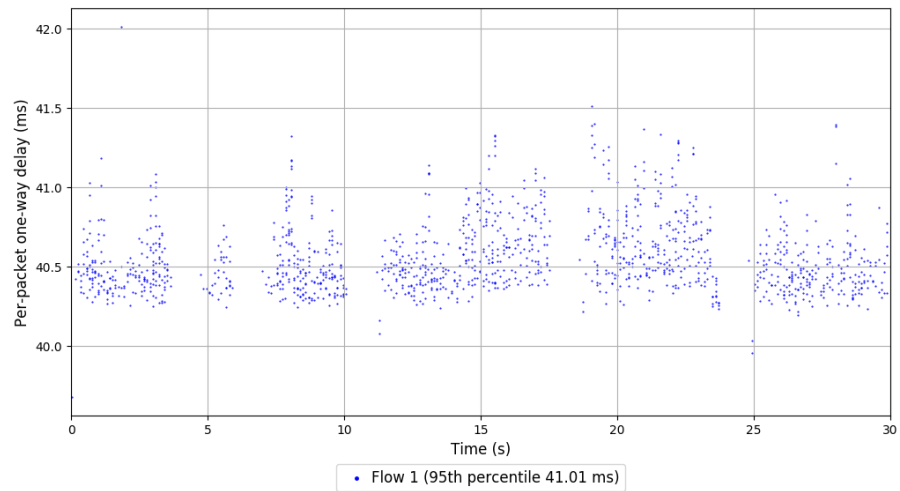
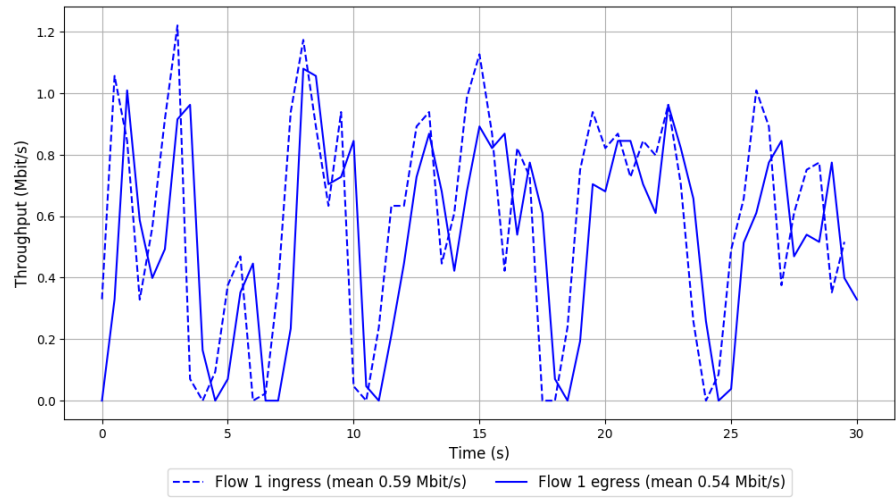
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 41.013 ms

Loss rate: 8.36%

Run 8: Report of LEDBAT — Data Link

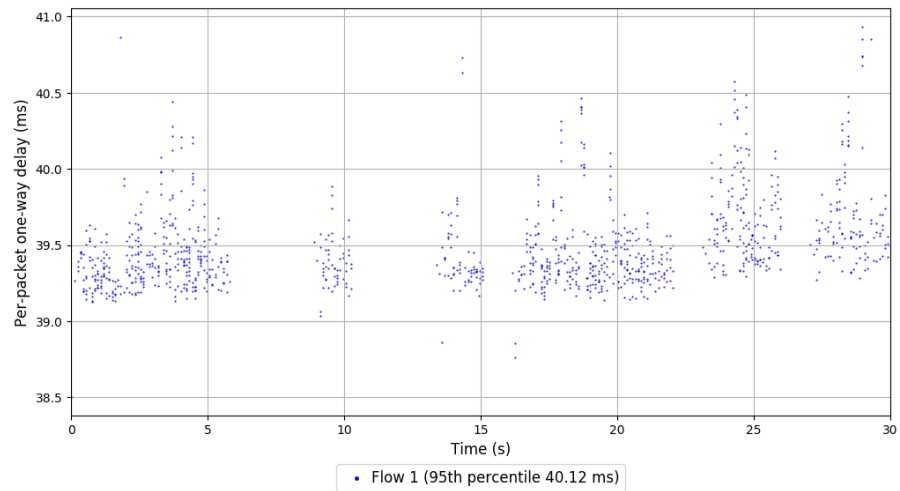
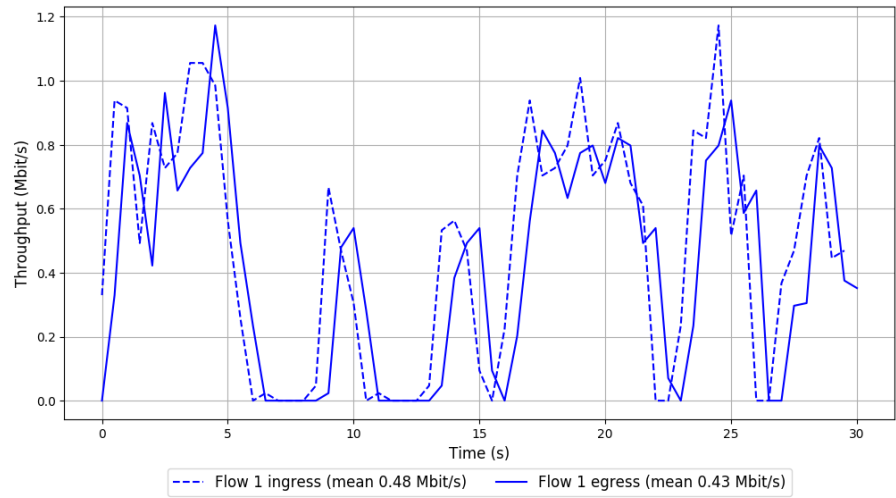


Run 9: Statistics of LEDBAT

Start at: 2018-06-19 06:07:18
End at: 2018-06-19 06:07:48
Local clock offset: 6.806 ms
Remote clock offset: -1.301 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 40.122 ms
Loss rate: 8.92%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 40.122 ms
Loss rate: 8.92%

Run 9: Report of LEDBAT — Data Link

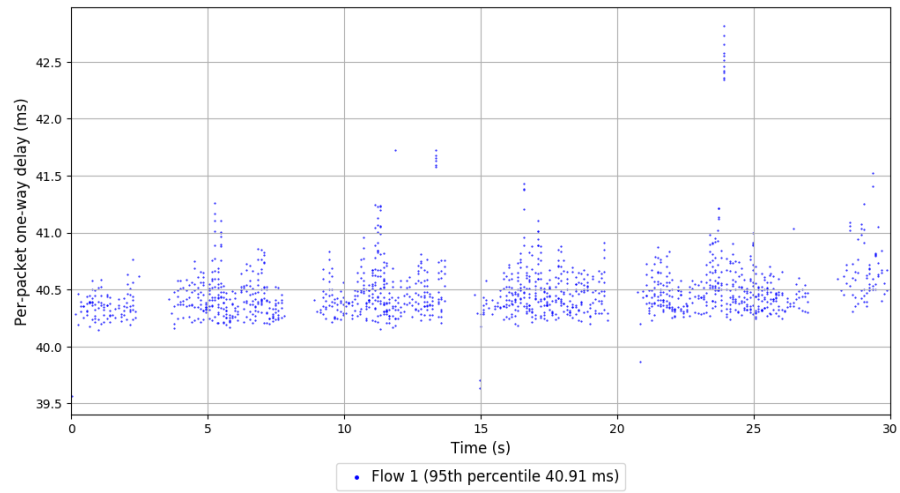
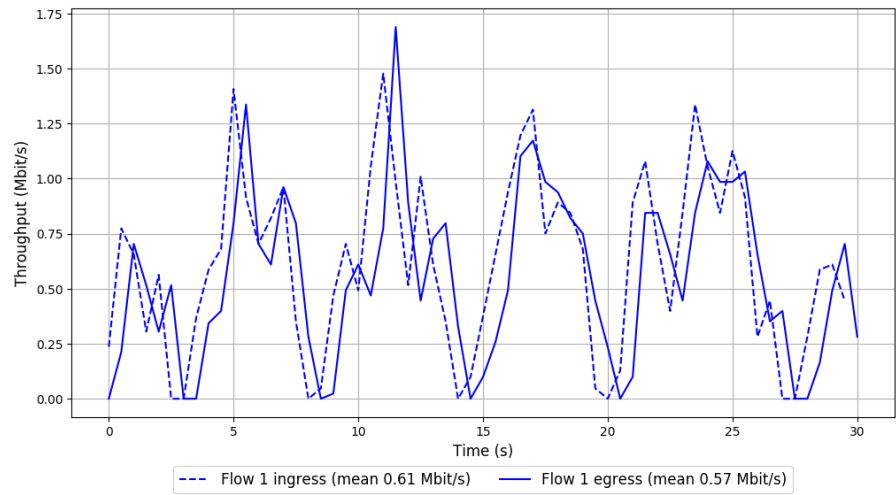


Run 10: Statistics of LEDBAT

Start at: 2018-06-19 06:38:13
End at: 2018-06-19 06:38:43
Local clock offset: 3.882 ms
Remote clock offset: -0.903 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 40.910 ms
Loss rate: 7.92%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 40.910 ms
Loss rate: 7.92%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-19 01:52:17

End at: 2018-06-19 01:52:47

Local clock offset: 3.324 ms

Remote clock offset: -2.523 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 44.584 ms

Loss rate: 8.92%

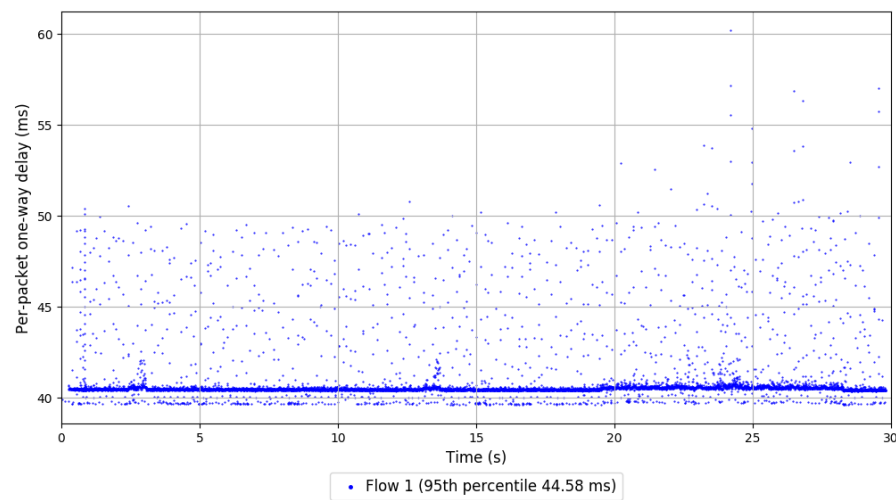
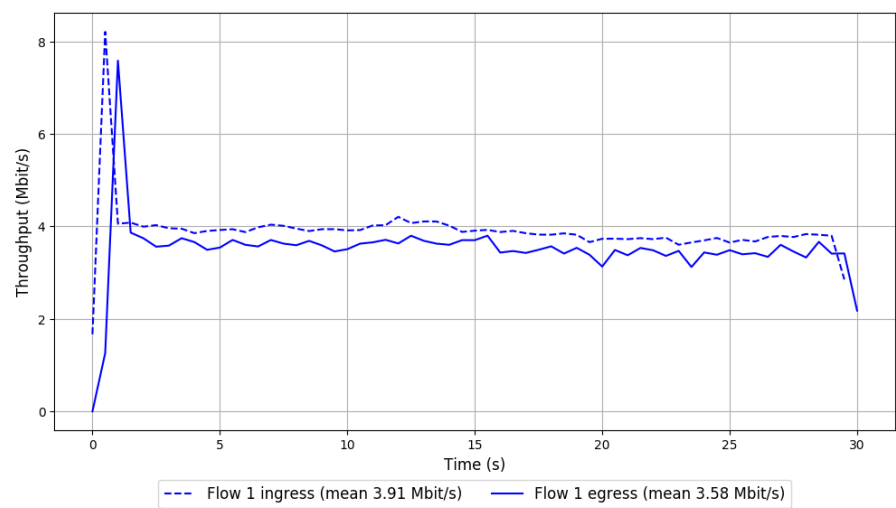
-- Flow 1:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 44.584 ms

Loss rate: 8.92%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-19 02:22:02

End at: 2018-06-19 02:22:32

Local clock offset: -3.692 ms

Remote clock offset: -2.885 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 40.479 ms

Loss rate: 8.39%

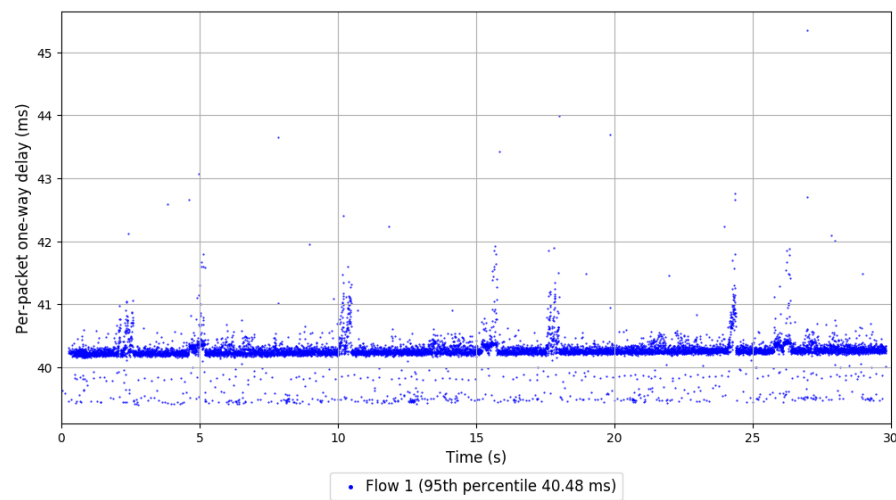
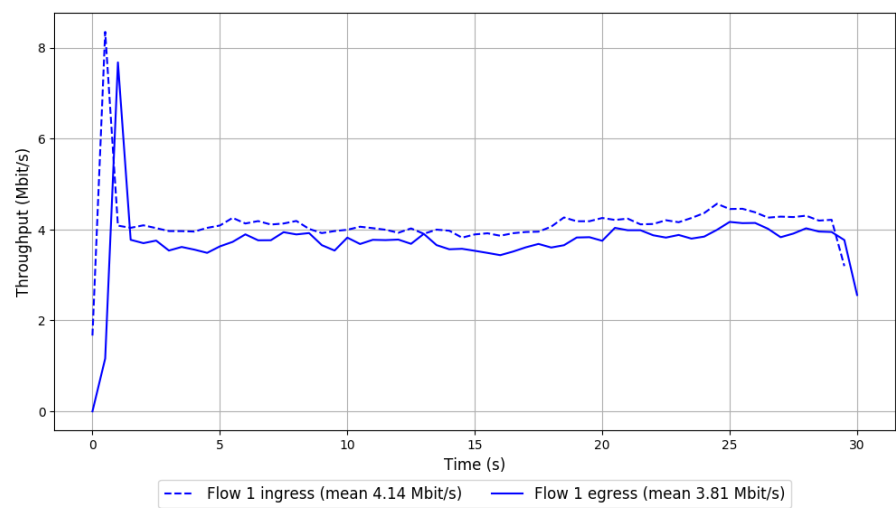
-- Flow 1:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 40.479 ms

Loss rate: 8.39%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-19 02:51:18

End at: 2018-06-19 02:51:48

Local clock offset: -6.104 ms

Remote clock offset: -2.502 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 40.772 ms

Loss rate: 8.23%

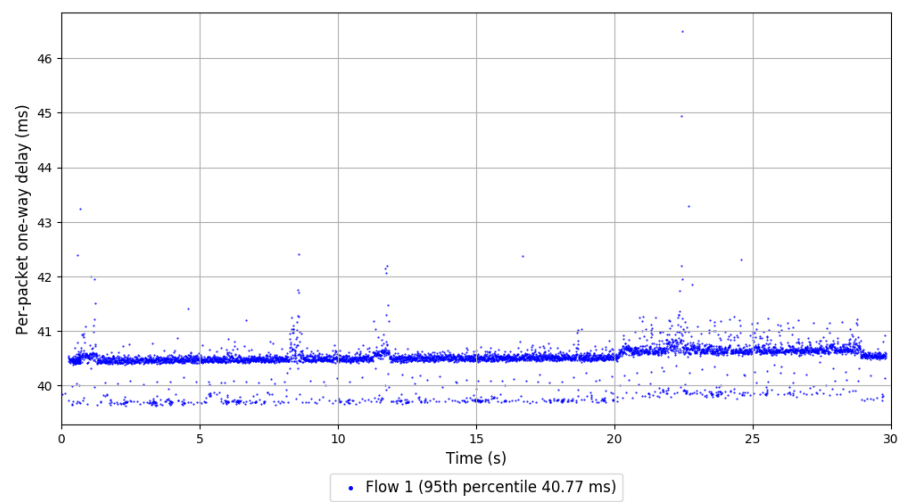
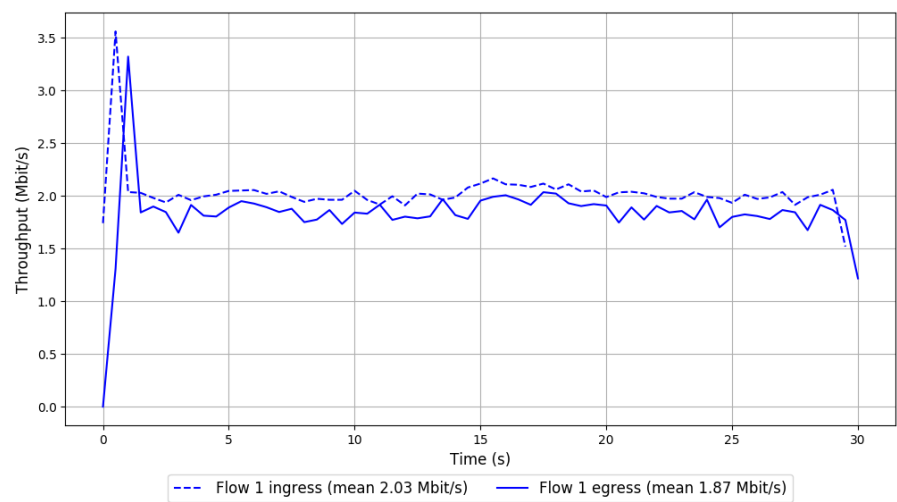
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 40.772 ms

Loss rate: 8.23%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-19 03:21:04

End at: 2018-06-19 03:21:34

Local clock offset: 8.142 ms

Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 39.516 ms

Loss rate: 8.76%

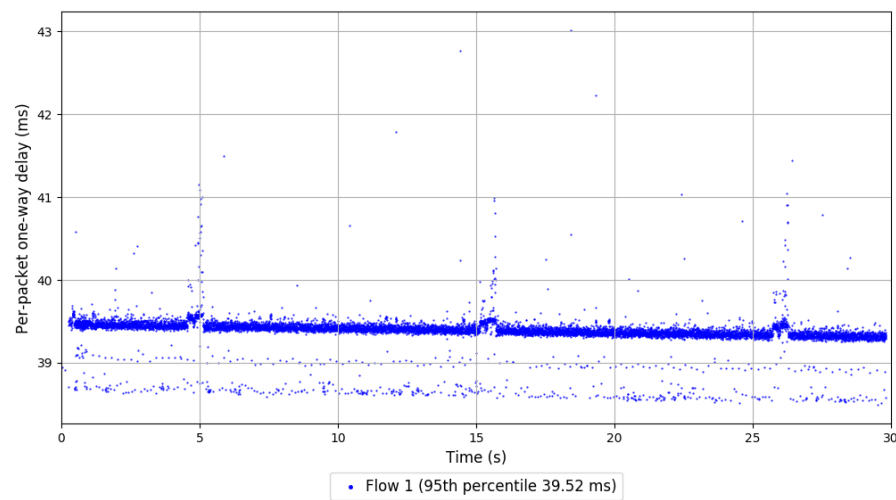
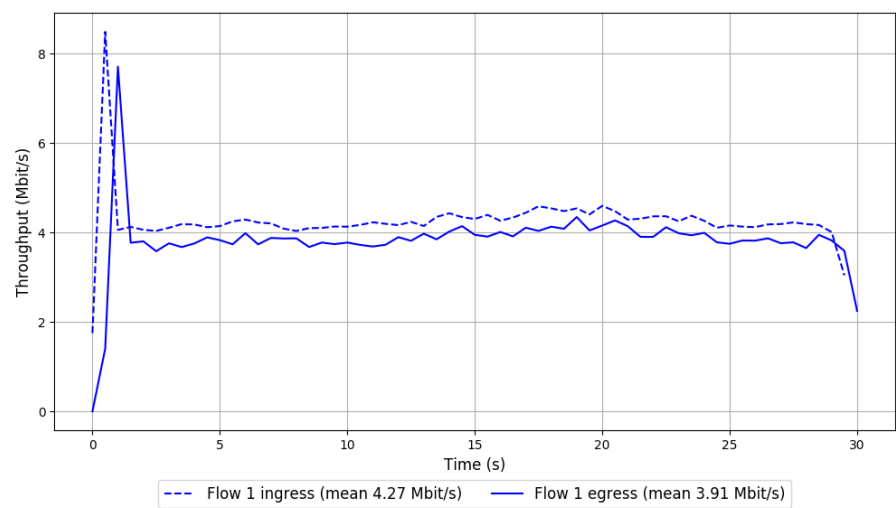
-- Flow 1:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 39.516 ms

Loss rate: 8.76%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-19 03:50:38

End at: 2018-06-19 03:51:08

Local clock offset: 6.716 ms

Remote clock offset: -1.404 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 39.786 ms

Loss rate: 8.39%

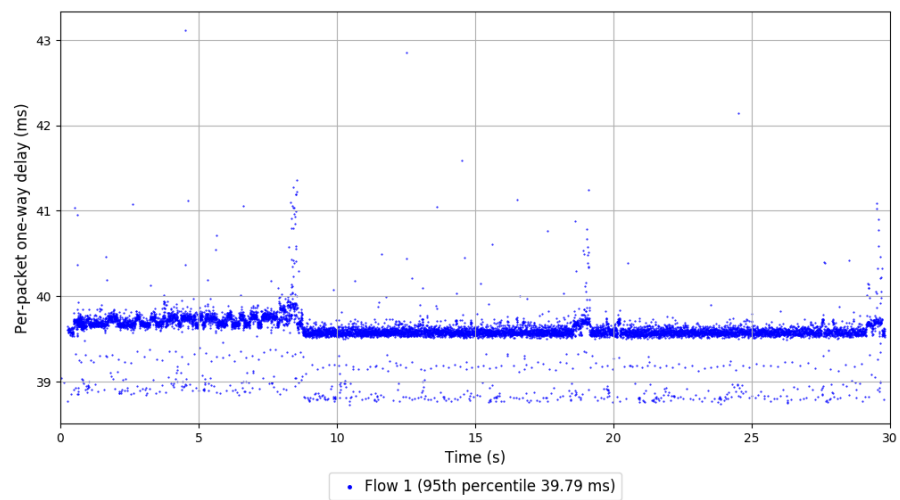
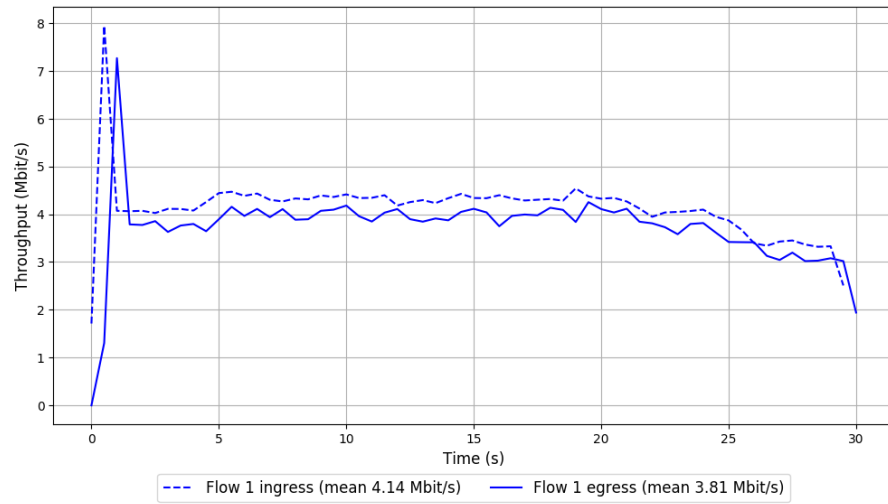
-- Flow 1:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 39.786 ms

Loss rate: 8.39%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-19 04:19:44

End at: 2018-06-19 04:20:14

Local clock offset: 8.709 ms

Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 48.909 ms

Loss rate: 8.90%

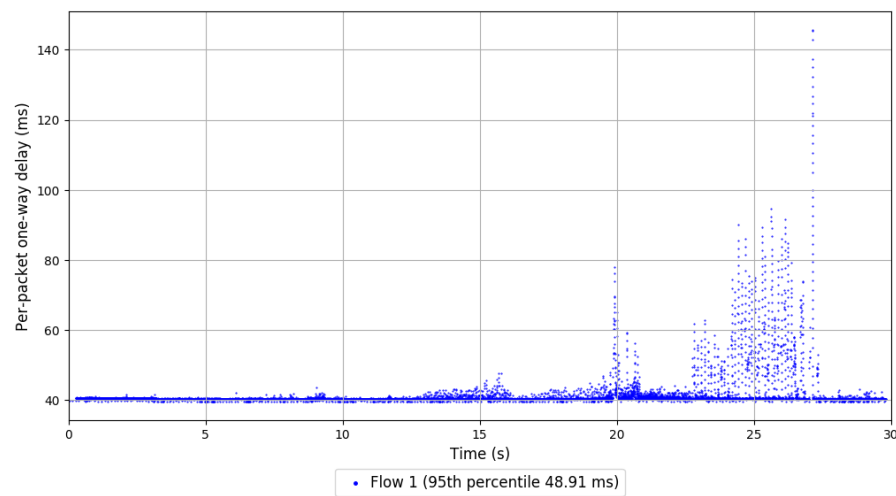
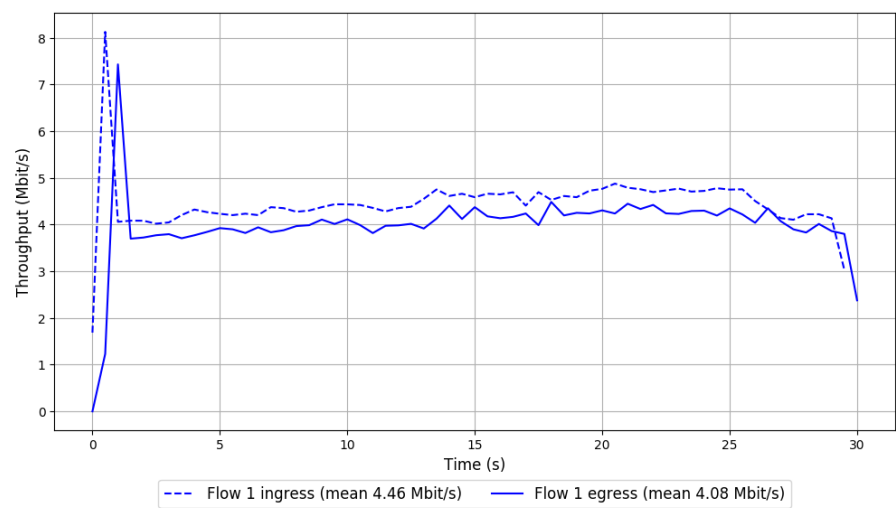
-- Flow 1:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 48.909 ms

Loss rate: 8.90%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-19 04:49:56

End at: 2018-06-19 04:50:26

Local clock offset: 5.147 ms

Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 40.460 ms

Loss rate: 8.96%

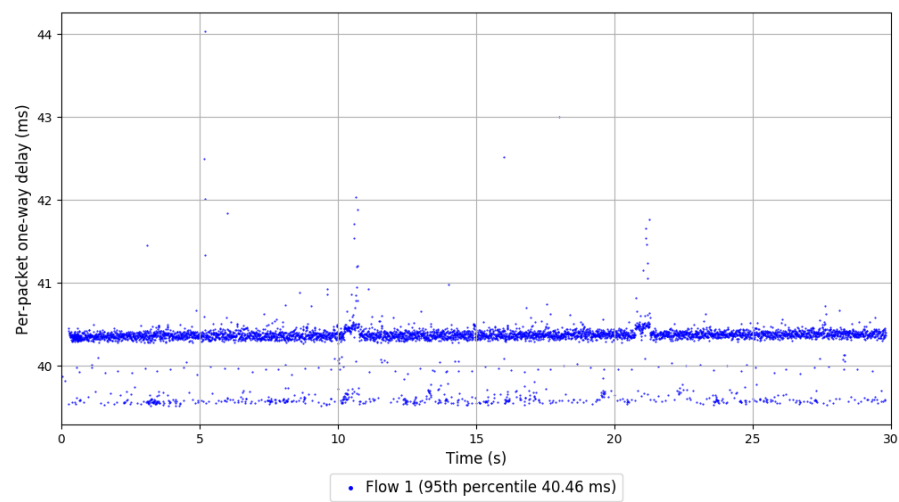
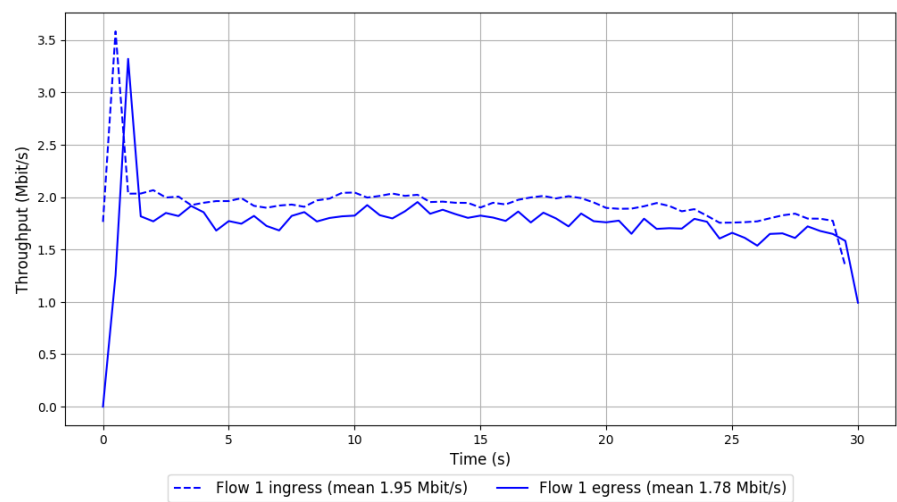
-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 40.460 ms

Loss rate: 8.96%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-19 05:20:42

End at: 2018-06-19 05:21:12

Local clock offset: 7.4 ms

Remote clock offset: -1.101 ms

Below is generated by plot.py at 2018-06-19 06:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 43.829 ms

Loss rate: 8.08%

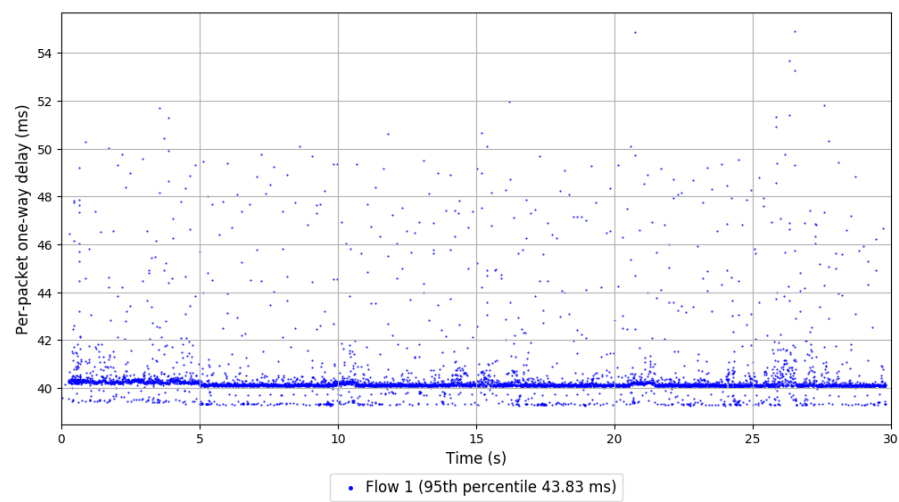
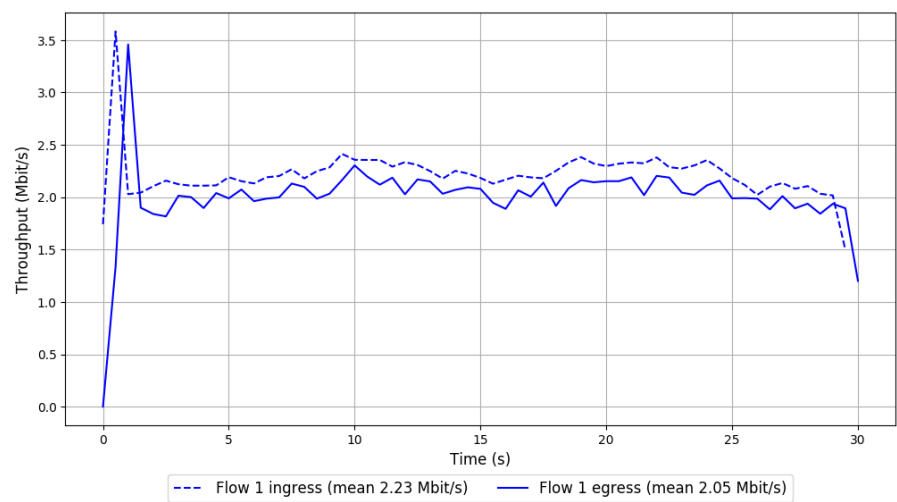
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 43.829 ms

Loss rate: 8.08%

Run 8: Report of PCC-Allegro — Data Link

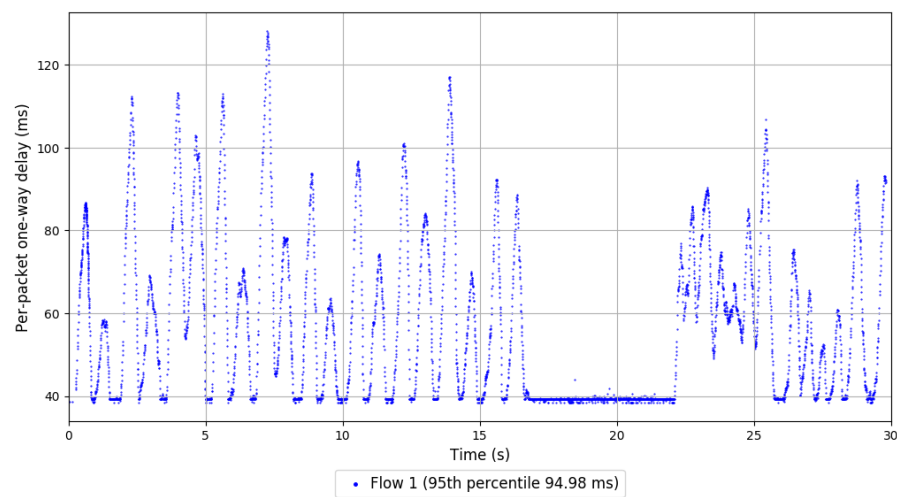
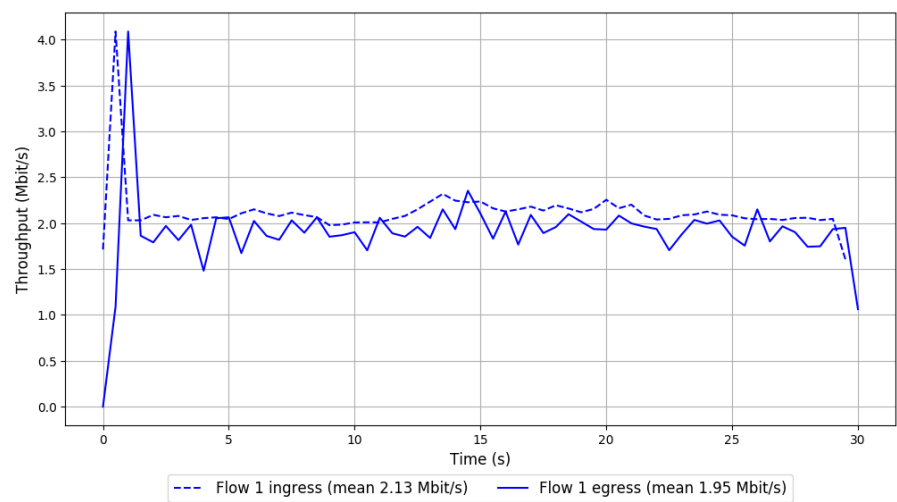


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-19 05:51:01
End at: 2018-06-19 05:51:31
Local clock offset: 7.568 ms
Remote clock offset: -1.183 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 94.978 ms
Loss rate: 8.65%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 94.978 ms
Loss rate: 8.65%

Run 9: Report of PCC-Allegro — Data Link

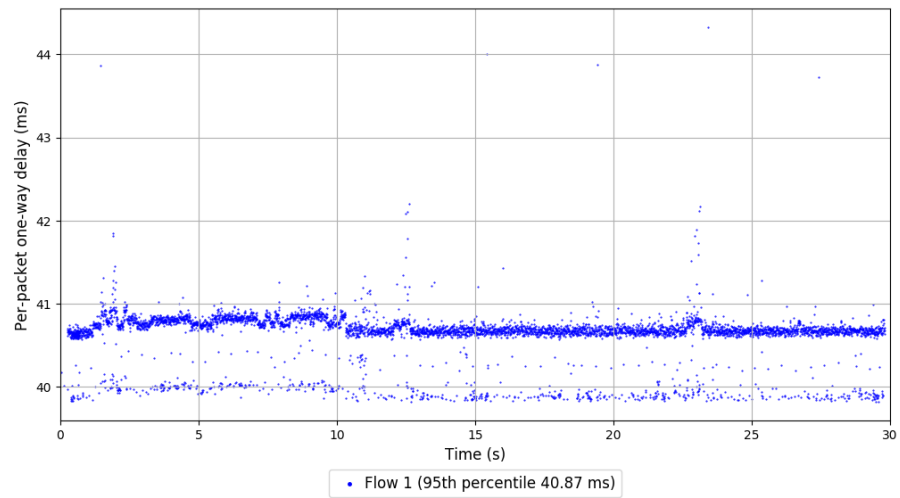
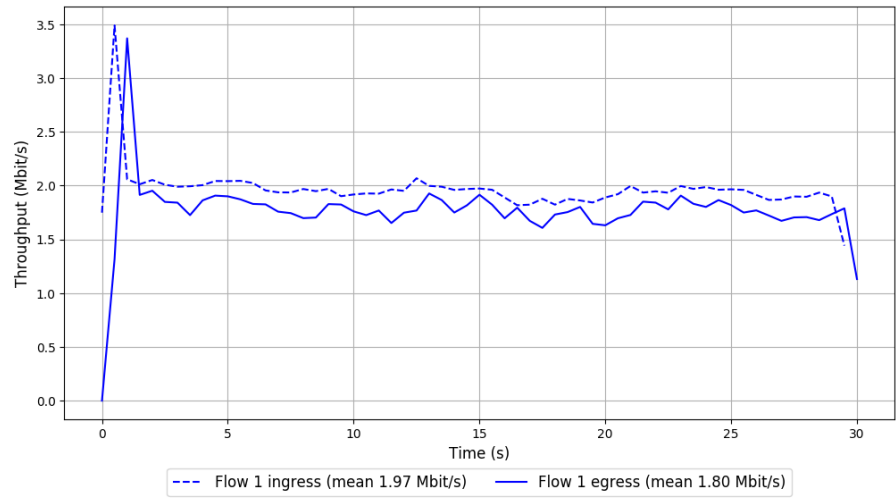


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-19 06:20:39
End at: 2018-06-19 06:21:09
Local clock offset: 6.375 ms
Remote clock offset: -1.157 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 40.871 ms
Loss rate: 8.82%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 40.871 ms
Loss rate: 8.82%

Run 10: Report of PCC-Allegro — Data Link

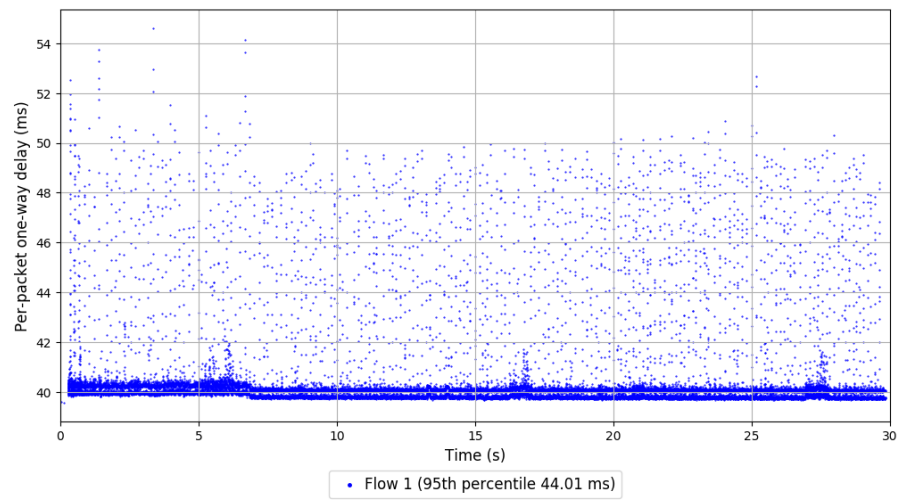
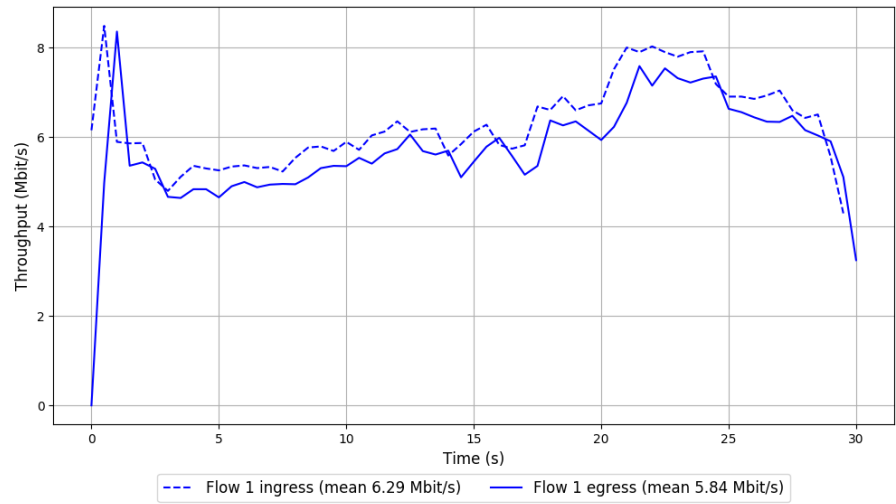


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-19 01:50:39
End at: 2018-06-19 01:51:09
Local clock offset: 3.206 ms
Remote clock offset: -2.401 ms

# Below is generated by plot.py at 2018-06-19 06:43:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 44.009 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 44.009 ms
Loss rate: 7.55%
```

Run 1: Report of PCC-Expr — Data Link

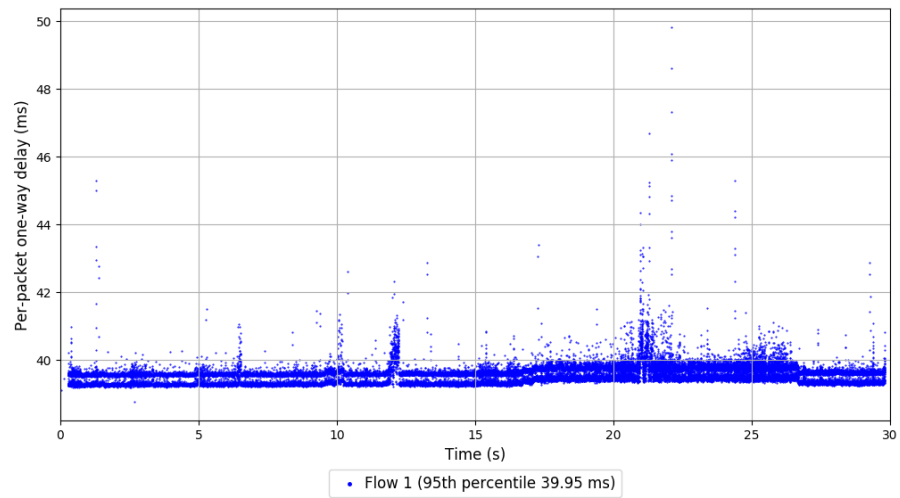
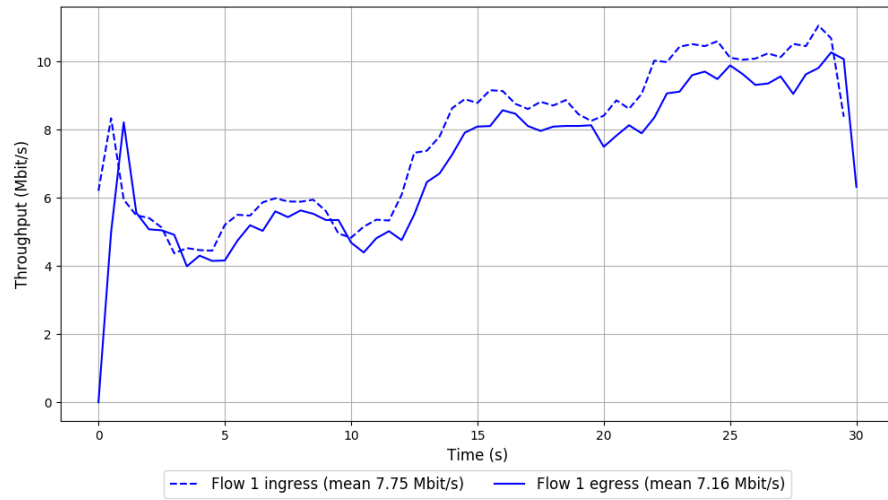


Run 2: Statistics of PCC-Expr

Start at: 2018-06-19 02:20:21
End at: 2018-06-19 02:20:51
Local clock offset: -3.244 ms
Remote clock offset: -2.893 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 39.953 ms
Loss rate: 7.88%
-- Flow 1:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 39.953 ms
Loss rate: 7.88%

Run 2: Report of PCC-Expr — Data Link

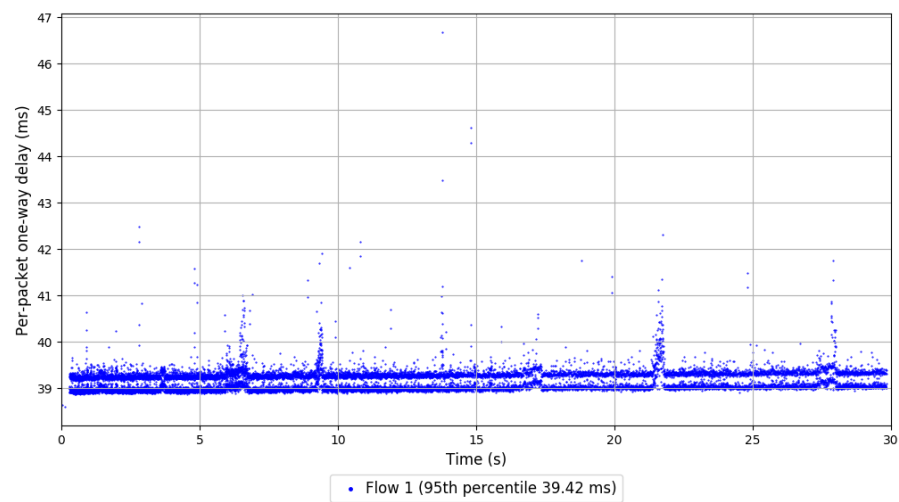
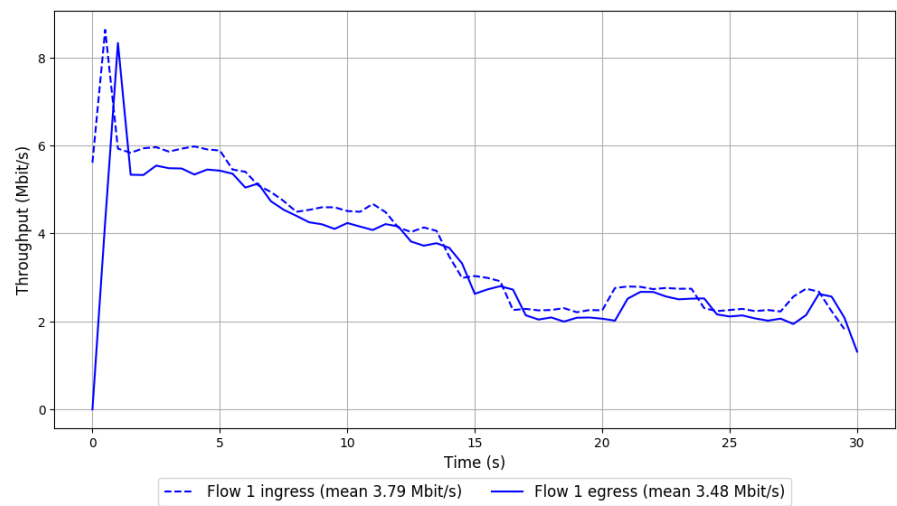


Run 3: Statistics of PCC-Expr

Start at: 2018-06-19 02:49:47
End at: 2018-06-19 02:50:17
Local clock offset: -6.024 ms
Remote clock offset: -2.657 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 39.424 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 39.424 ms
Loss rate: 8.37%

Run 3: Report of PCC-Expr — Data Link

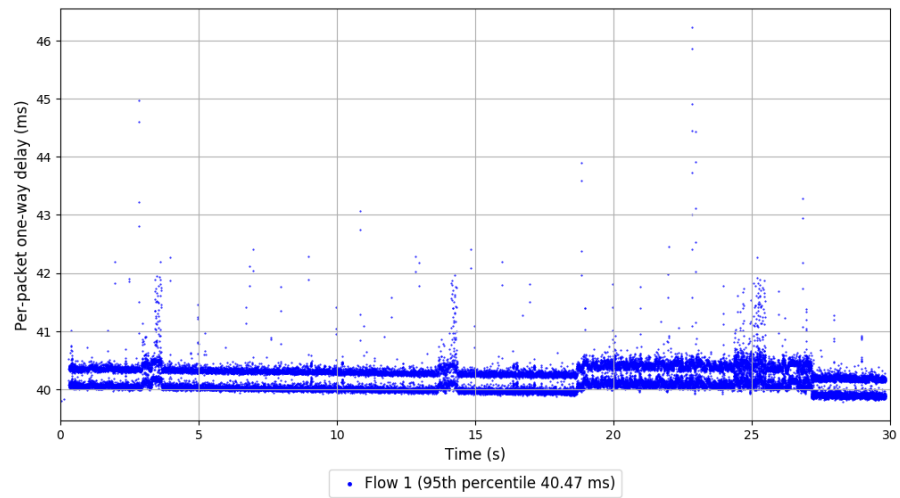
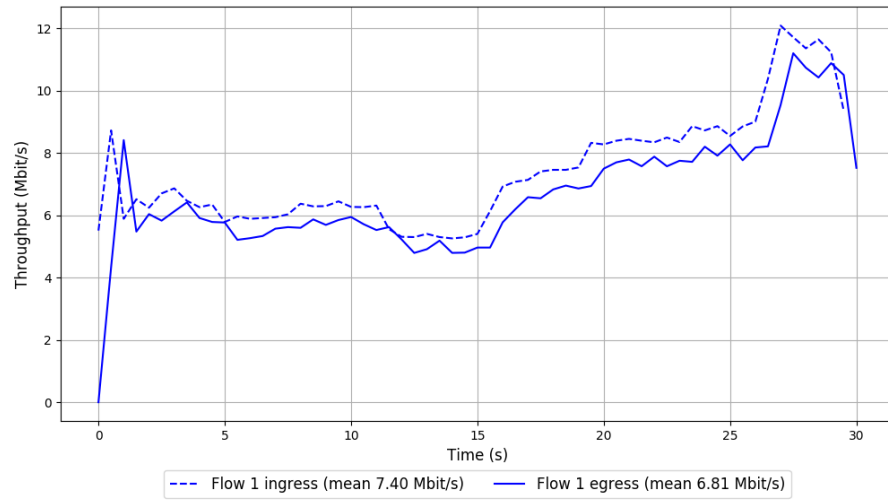


Run 4: Statistics of PCC-Expr

Start at: 2018-06-19 03:19:19
End at: 2018-06-19 03:19:49
Local clock offset: 7.432 ms
Remote clock offset: -1.449 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 40.467 ms
Loss rate: 8.32%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 40.467 ms
Loss rate: 8.32%

Run 4: Report of PCC-Expr — Data Link

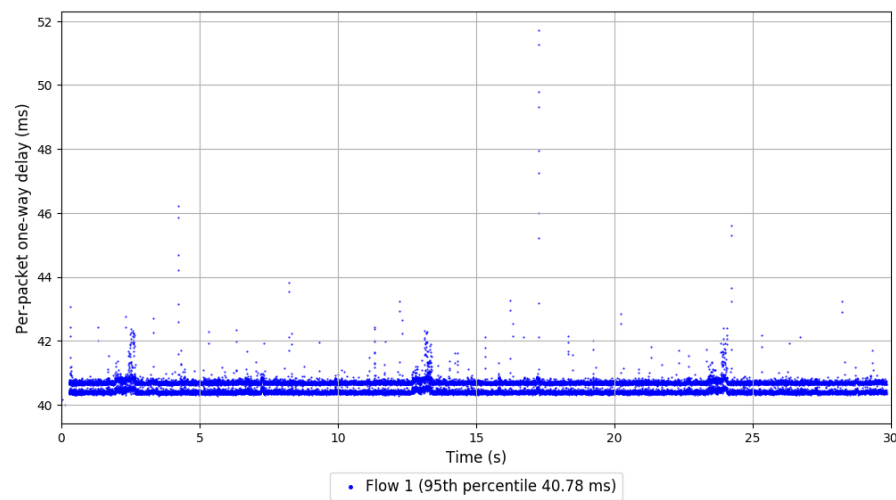
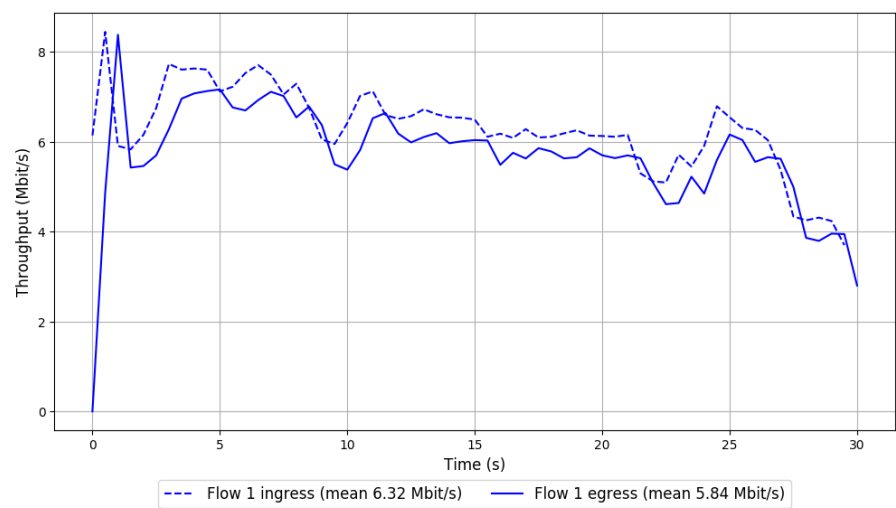


Run 5: Statistics of PCC-Expr

Start at: 2018-06-19 03:48:58
End at: 2018-06-19 03:49:28
Local clock offset: 6.888 ms
Remote clock offset: -1.352 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 40.778 ms
Loss rate: 7.94%
-- Flow 1:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 40.778 ms
Loss rate: 7.94%

Run 5: Report of PCC-Expr — Data Link

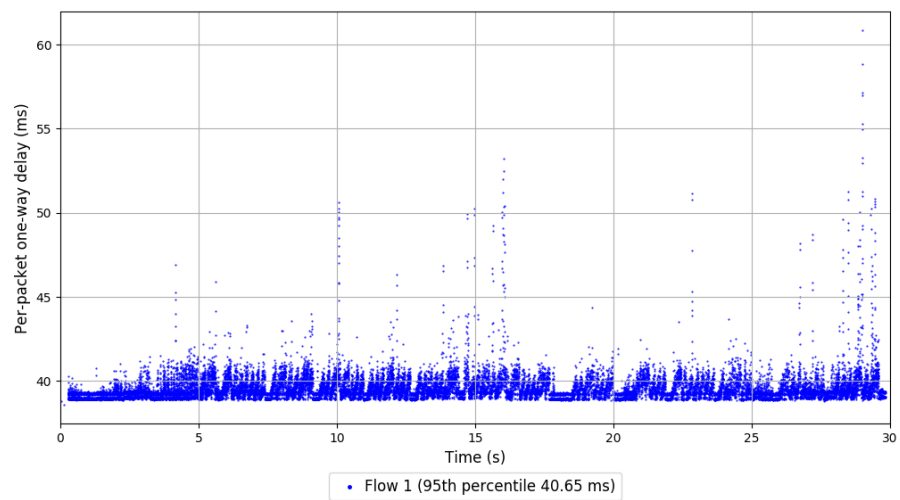
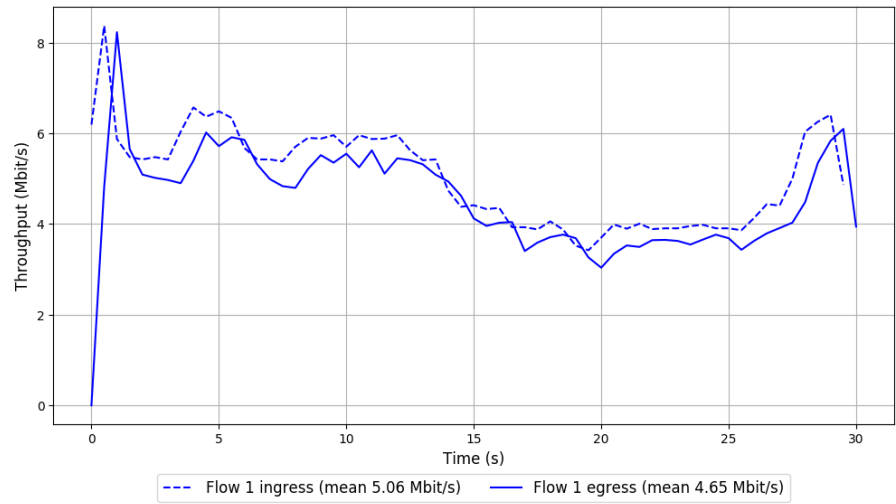


Run 6: Statistics of PCC-Expr

Start at: 2018-06-19 04:18:10
End at: 2018-06-19 04:18:40
Local clock offset: 8.442 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 40.654 ms
Loss rate: 8.42%
-- Flow 1:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 40.654 ms
Loss rate: 8.42%

Run 6: Report of PCC-Expr — Data Link

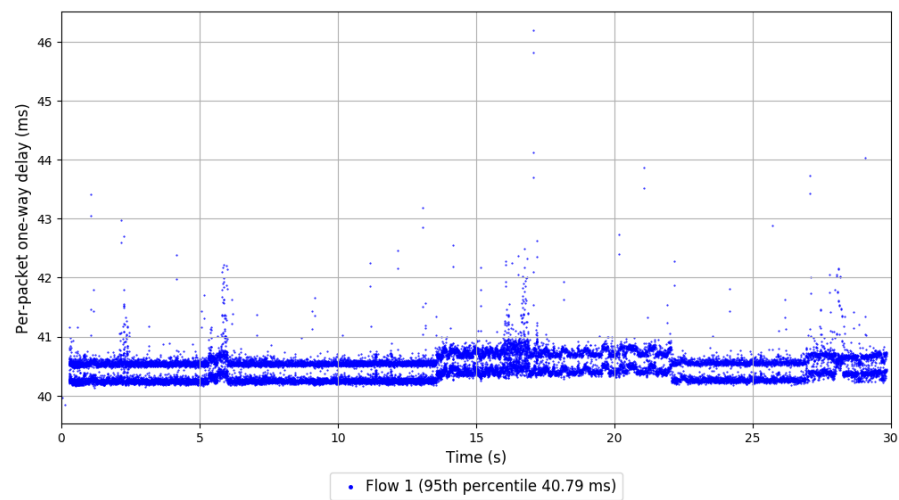
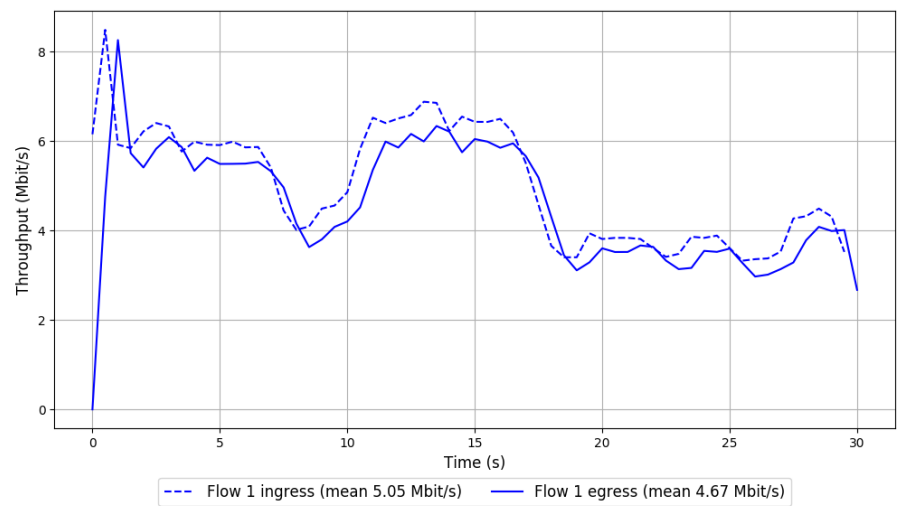


Run 7: Statistics of PCC-Expr

Start at: 2018-06-19 04:48:25
End at: 2018-06-19 04:48:55
Local clock offset: 5.269 ms
Remote clock offset: -1.179 ms

Below is generated by plot.py at 2018-06-19 06:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 40.788 ms
Loss rate: 7.89%
-- Flow 1:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 40.788 ms
Loss rate: 7.89%

Run 7: Report of PCC-Expr — Data Link

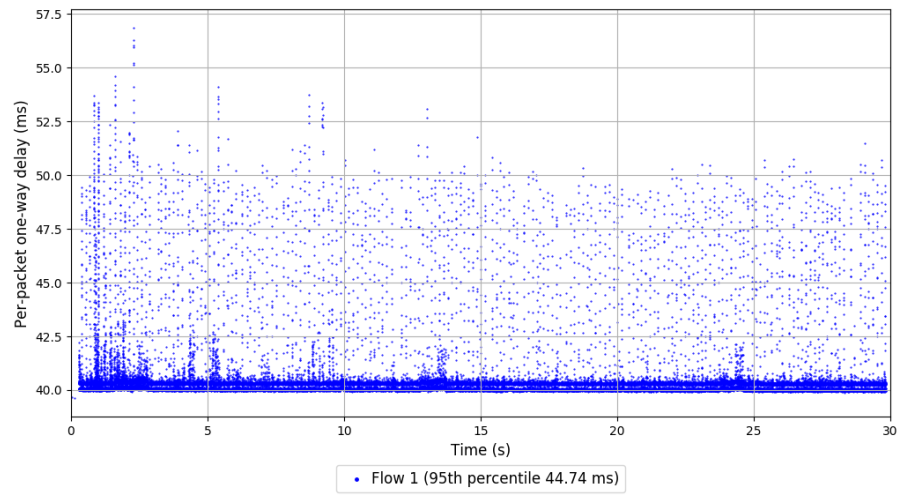
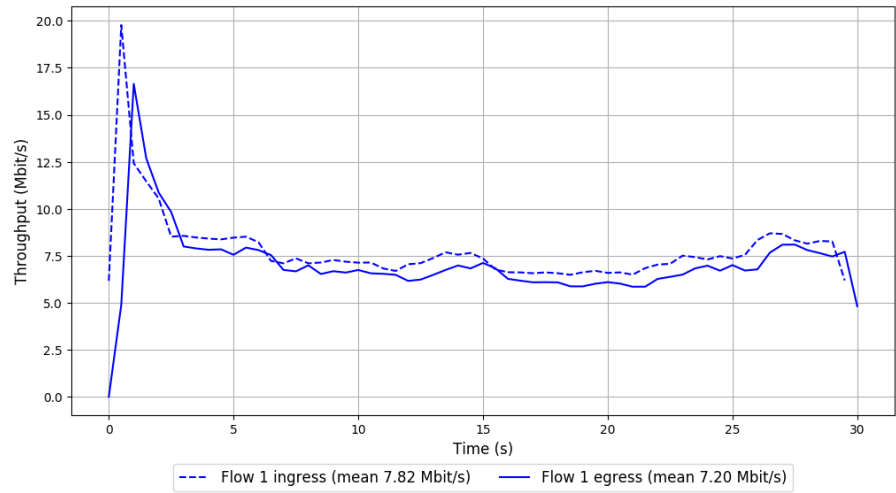


Run 8: Statistics of PCC-Expr

Start at: 2018-06-19 05:19:04
End at: 2018-06-19 05:19:34
Local clock offset: 7.432 ms
Remote clock offset: -1.114 ms

Below is generated by plot.py at 2018-06-19 06:44:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 44.741 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 44.741 ms
Loss rate: 8.26%

Run 8: Report of PCC-Expr — Data Link

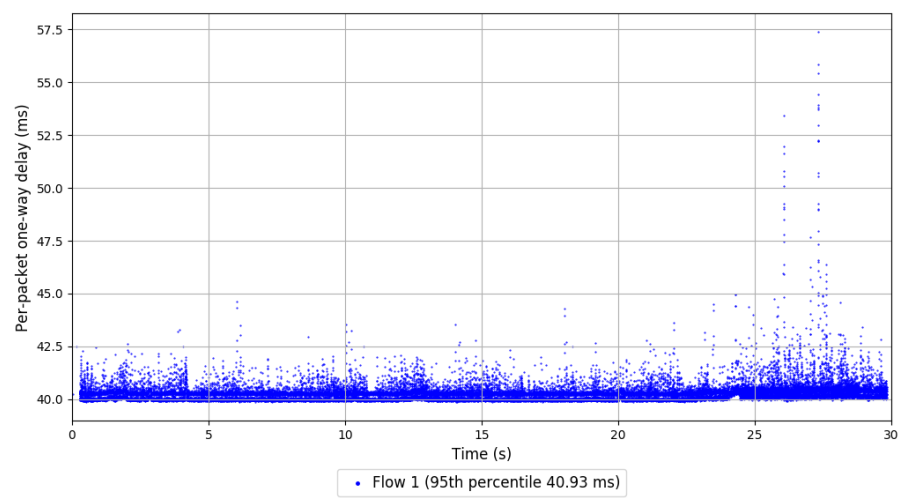
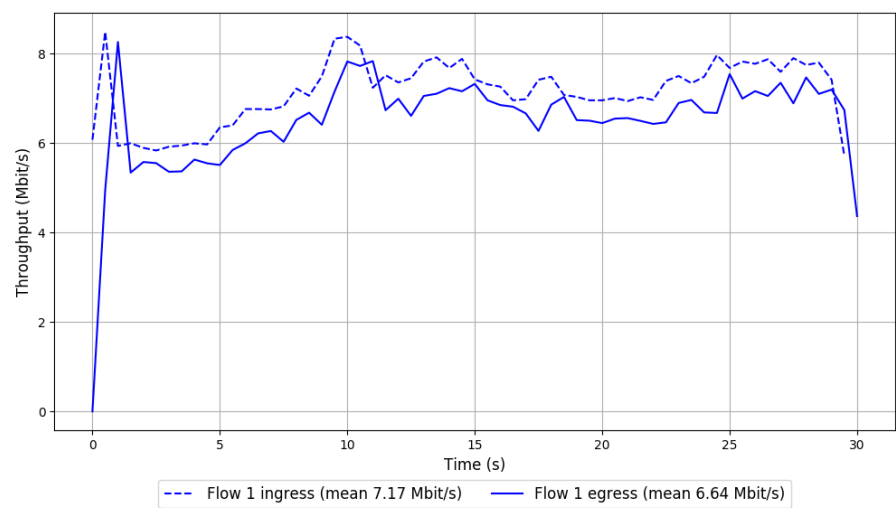


Run 9: Statistics of PCC-Expr

Start at: 2018-06-19 05:49:16
End at: 2018-06-19 05:49:47
Local clock offset: 7.35 ms
Remote clock offset: -1.133 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 40.934 ms
Loss rate: 7.67%
-- Flow 1:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 40.934 ms
Loss rate: 7.67%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-19 06:19:02

End at: 2018-06-19 06:19:32

Local clock offset: 6.293 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: 39.438 ms

Loss rate: 8.06%

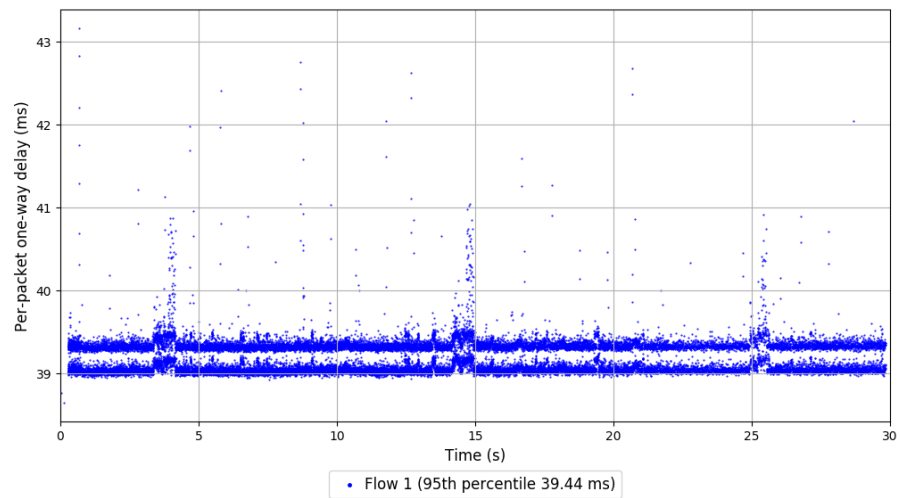
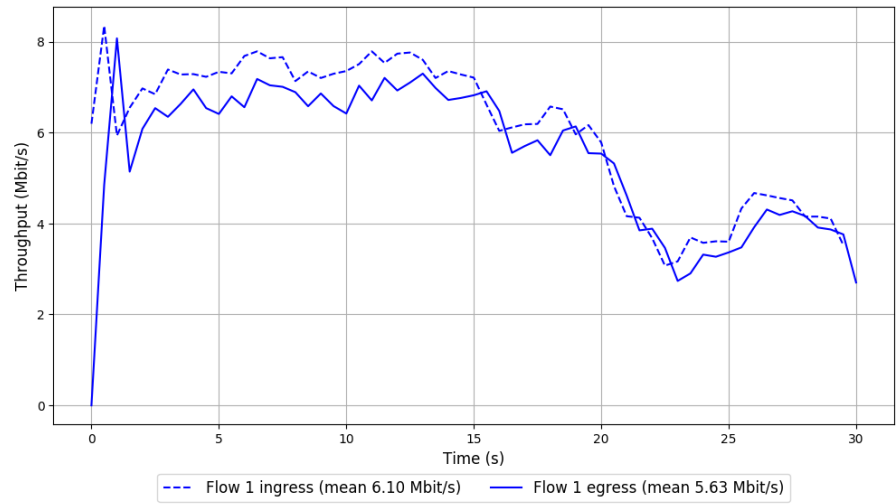
-- Flow 1:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: 39.438 ms

Loss rate: 8.06%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-19 02:10:26

End at: 2018-06-19 02:10:56

Local clock offset: -1.0 ms

Remote clock offset: -2.636 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 41.422 ms

Loss rate: 8.24%

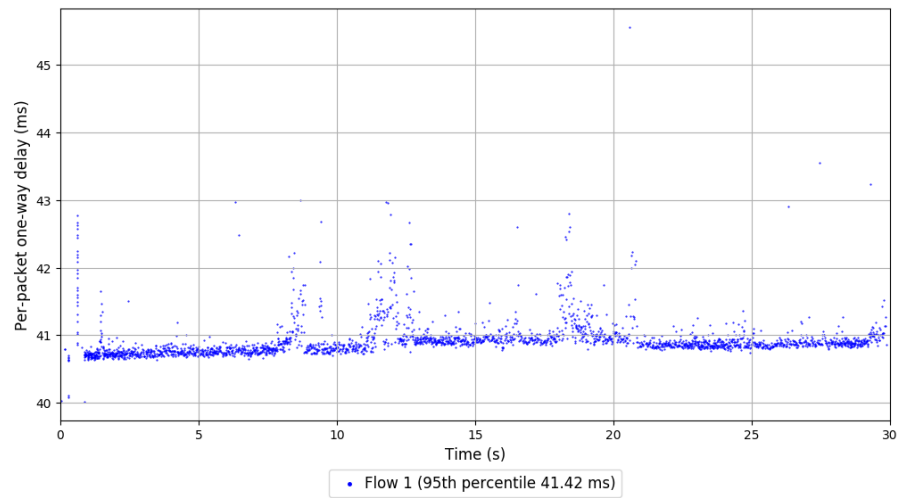
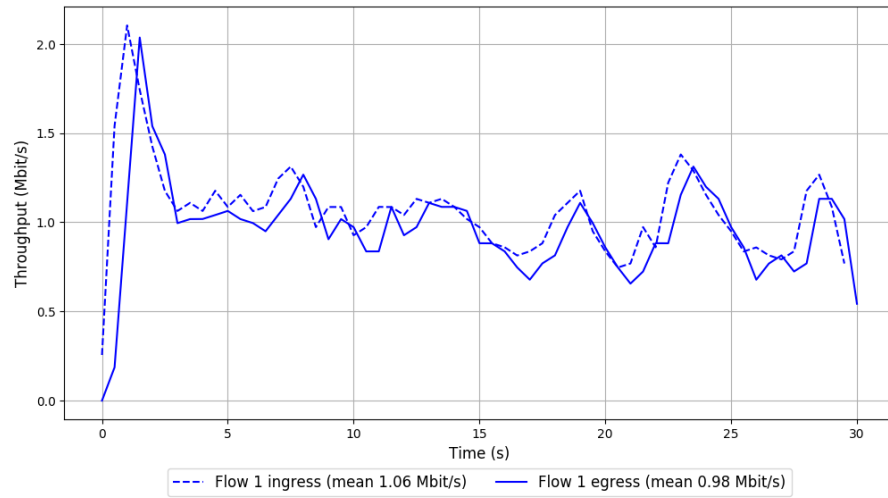
-- Flow 1:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 41.422 ms

Loss rate: 8.24%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-19 02:39:33

End at: 2018-06-19 02:40:03

Local clock offset: -5.26 ms

Remote clock offset: -2.942 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 40.702 ms

Loss rate: 7.50%

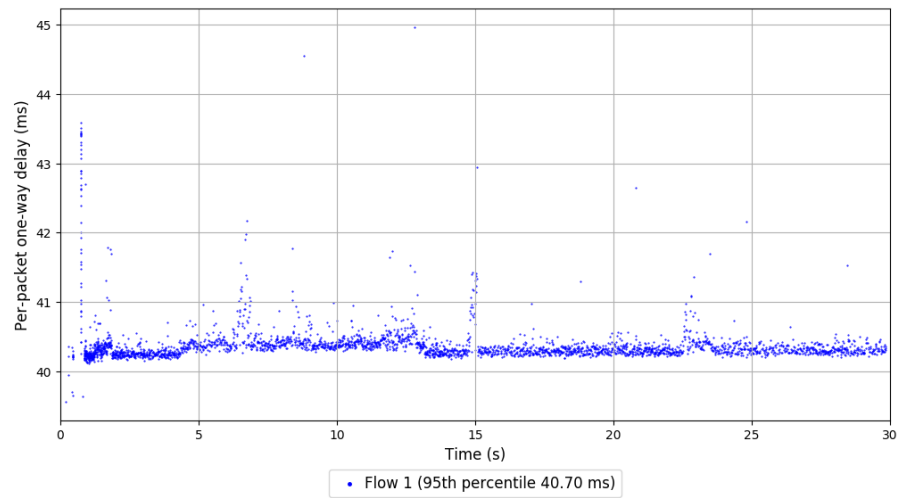
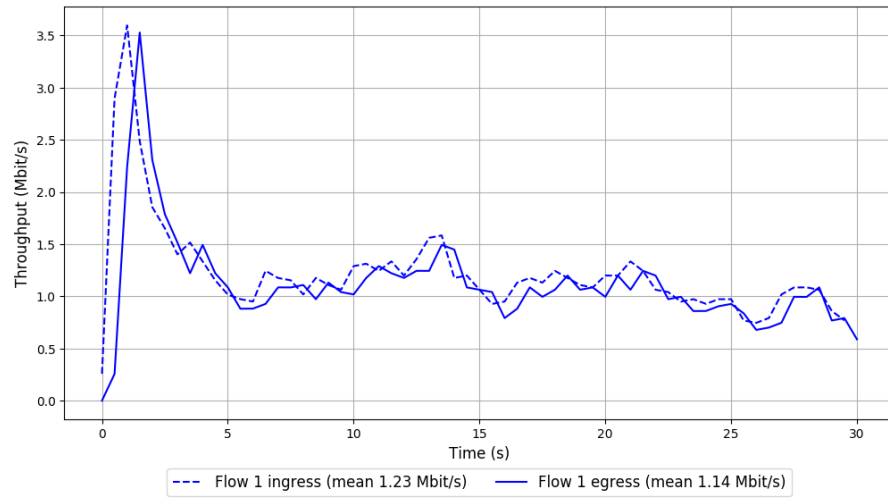
-- Flow 1:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 40.702 ms

Loss rate: 7.50%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-19 03:08:42

End at: 2018-06-19 03:09:12

Local clock offset: 1.709 ms

Remote clock offset: -1.404 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 40.573 ms

Loss rate: 8.23%

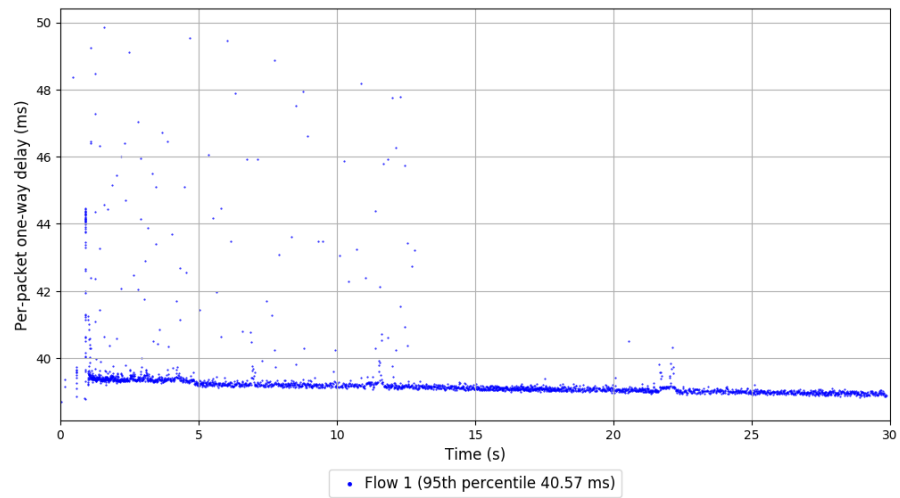
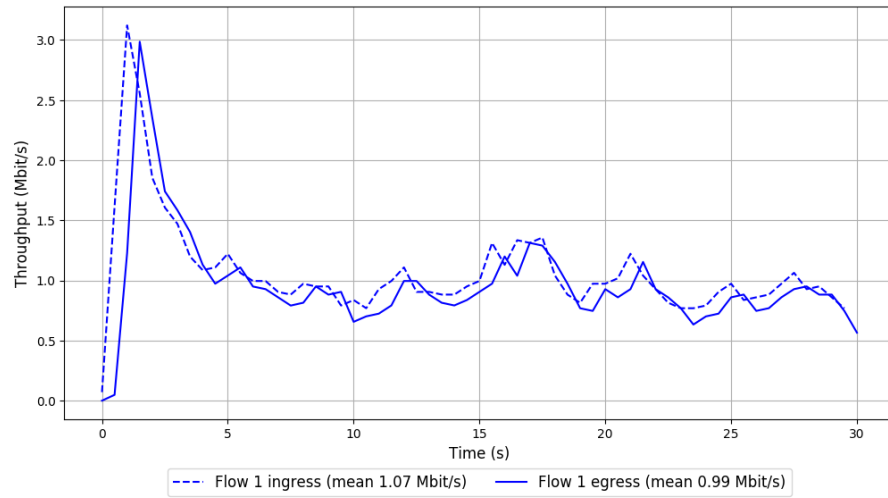
-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 40.573 ms

Loss rate: 8.23%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-19 03:38:32

End at: 2018-06-19 03:39:02

Local clock offset: 7.774 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 40.718 ms

Loss rate: 8.28%

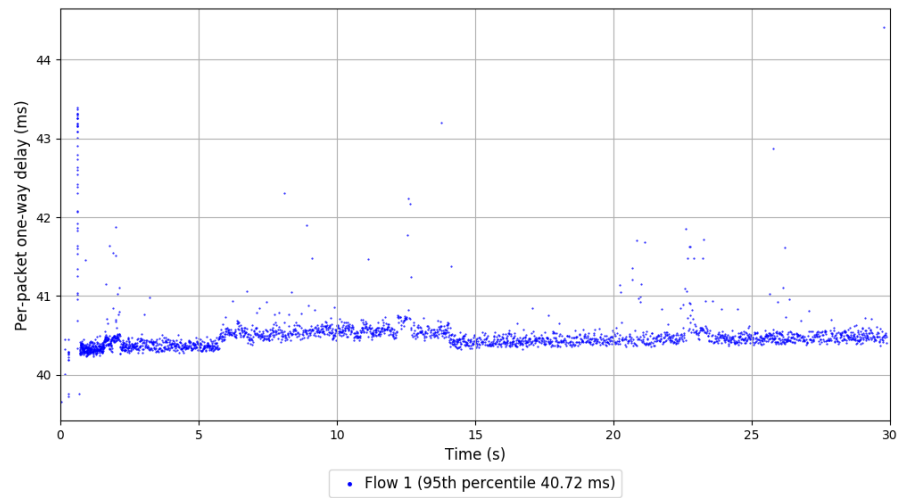
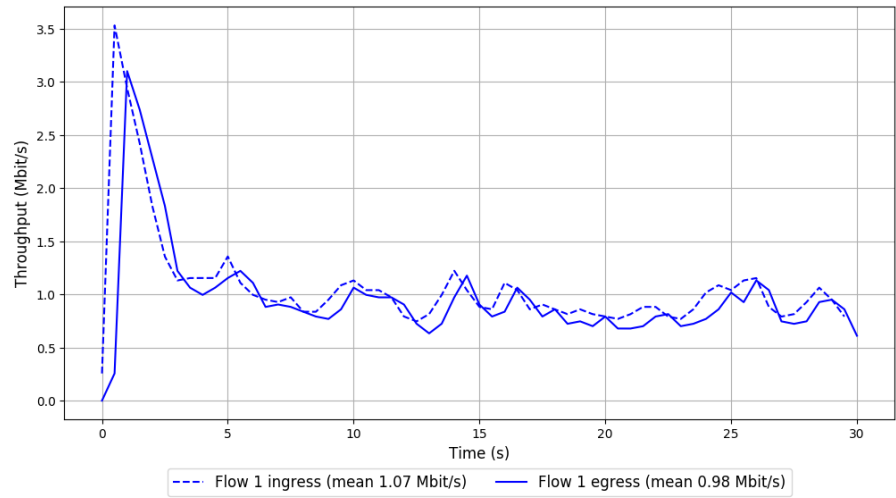
-- Flow 1:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 40.718 ms

Loss rate: 8.28%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-19 04:07:42

End at: 2018-06-19 04:08:12

Local clock offset: 7.739 ms

Remote clock offset: -0.575 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 40.594 ms

Loss rate: 8.50%

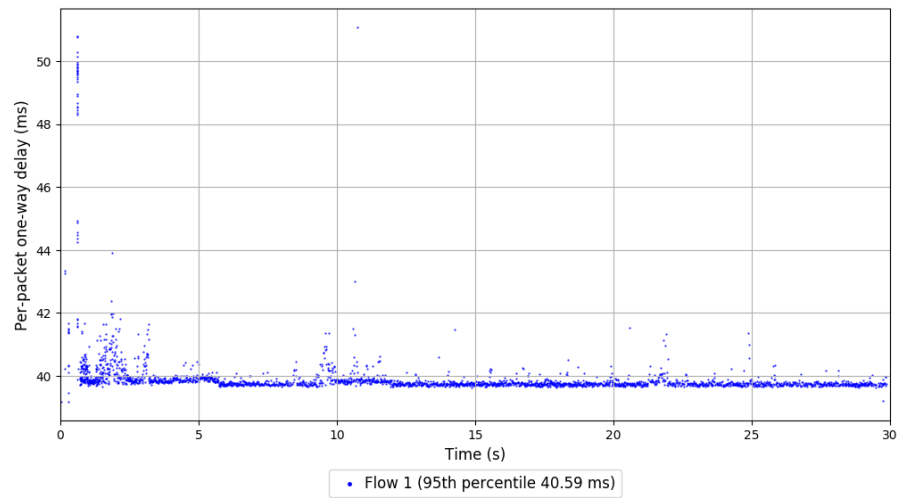
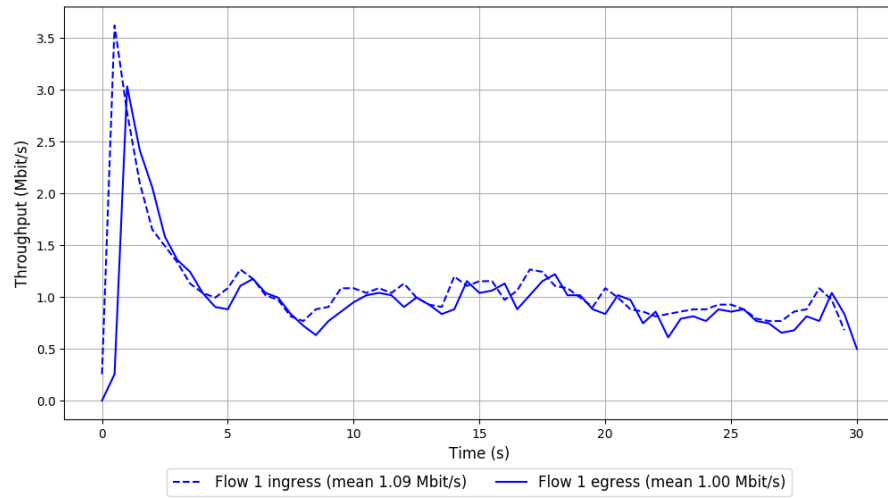
-- Flow 1:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 40.594 ms

Loss rate: 8.50%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-19 04:37:34

End at: 2018-06-19 04:38:04

Local clock offset: 7.084 ms

Remote clock offset: -0.969 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 47.802 ms

Loss rate: 8.77%

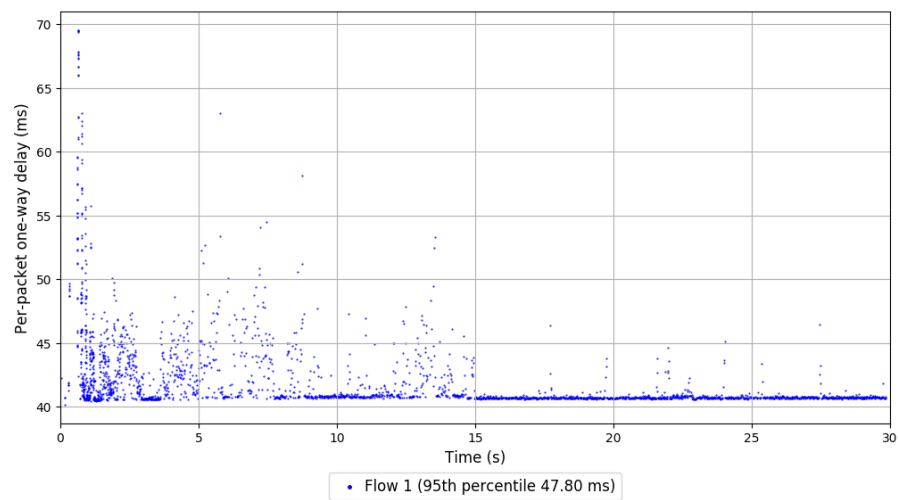
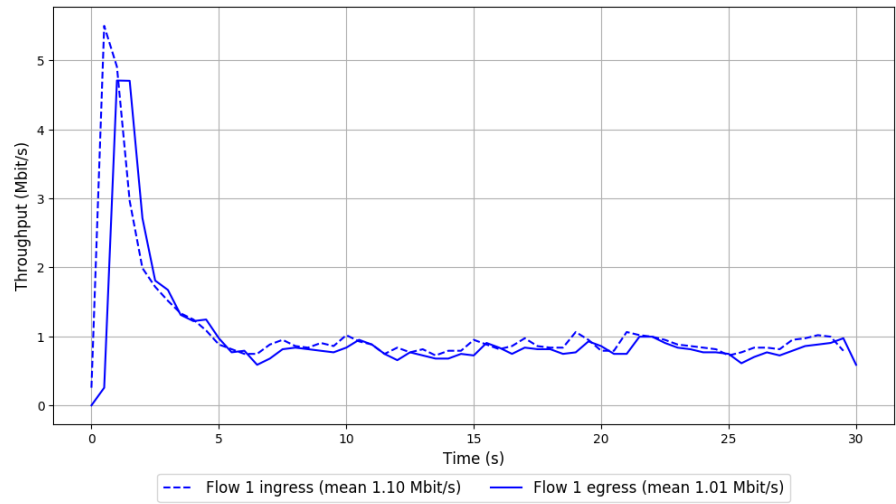
-- Flow 1:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 47.802 ms

Loss rate: 8.77%

Run 6: Report of QUIC Cubic — Data Link

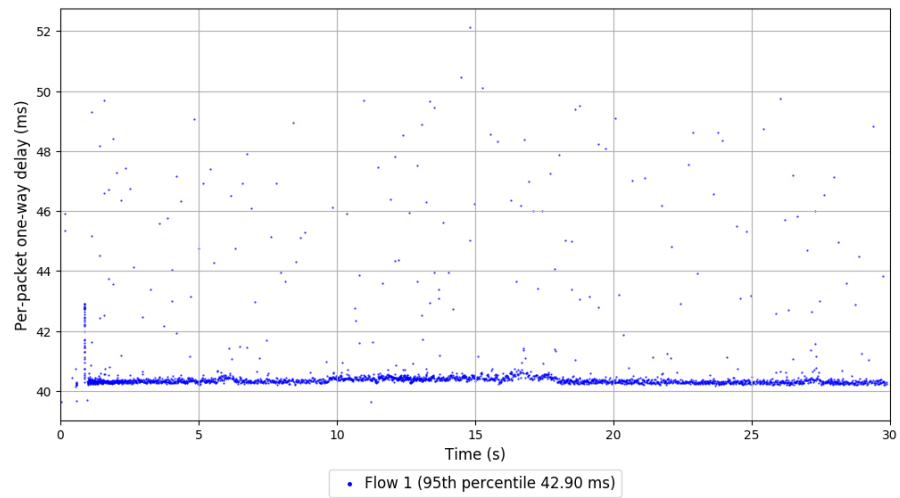
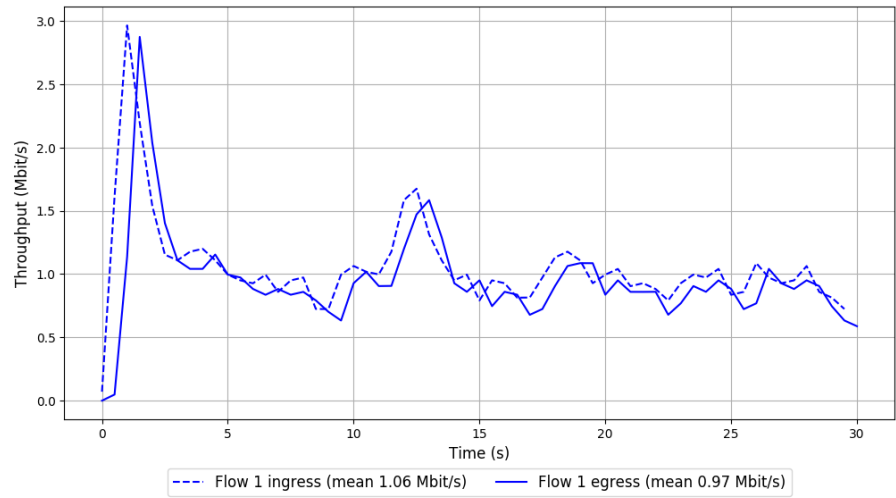


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-19 05:08:30
End at: 2018-06-19 05:09:00
Local clock offset: 6.191 ms
Remote clock offset: -1.004 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 42.899 ms
Loss rate: 8.61%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 42.899 ms
Loss rate: 8.61%

Run 7: Report of QUIC Cubic — Data Link

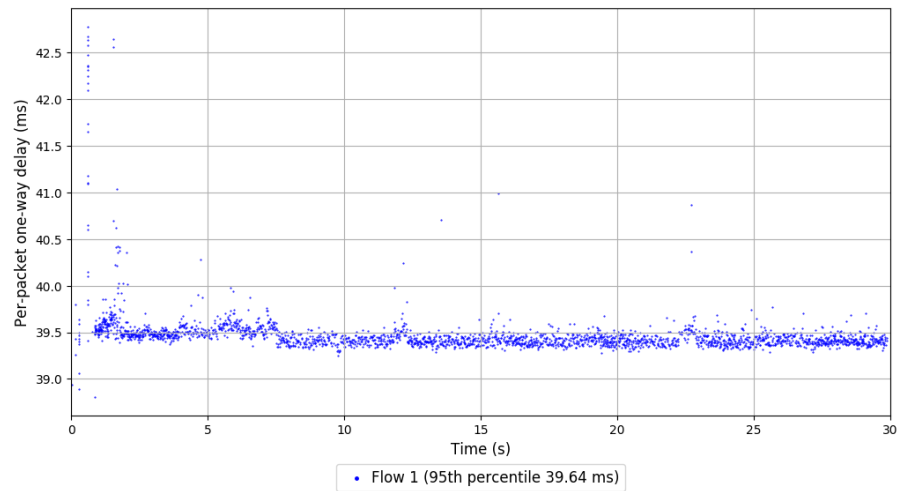
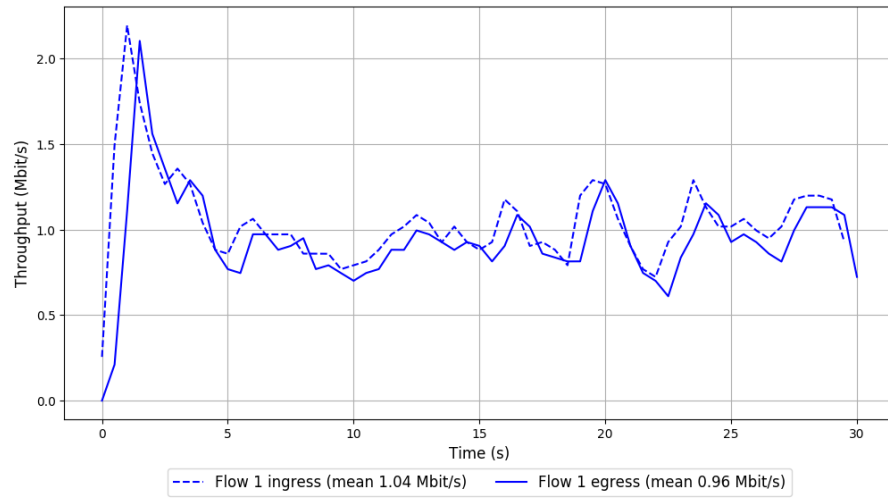


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-19 05:38:41
End at: 2018-06-19 05:39:11
Local clock offset: 7.515 ms
Remote clock offset: -0.966 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 39.640 ms
Loss rate: 8.28%
-- Flow 1:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 39.640 ms
Loss rate: 8.28%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-19 06:08:35

End at: 2018-06-19 06:09:05

Local clock offset: 6.691 ms

Remote clock offset: -1.346 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 39.941 ms

Loss rate: 8.16%

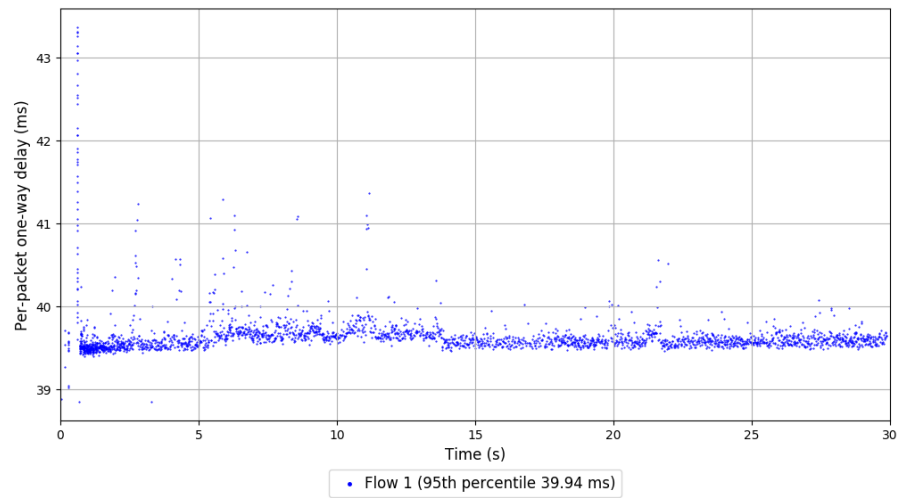
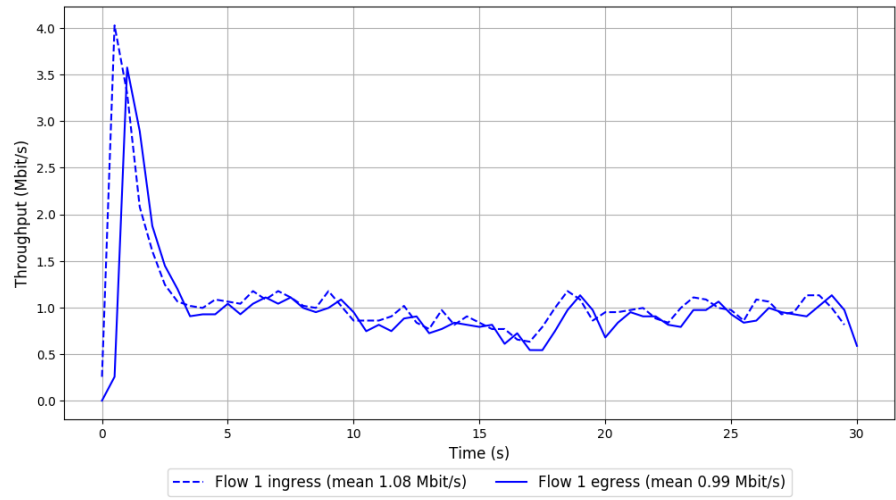
-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 39.941 ms

Loss rate: 8.16%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-19 06:39:30

End at: 2018-06-19 06:40:00

Local clock offset: 3.701 ms

Remote clock offset: -0.92 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.95 Mbit/s

95th percentile per-packet one-way delay: 40.918 ms

Loss rate: 8.80%

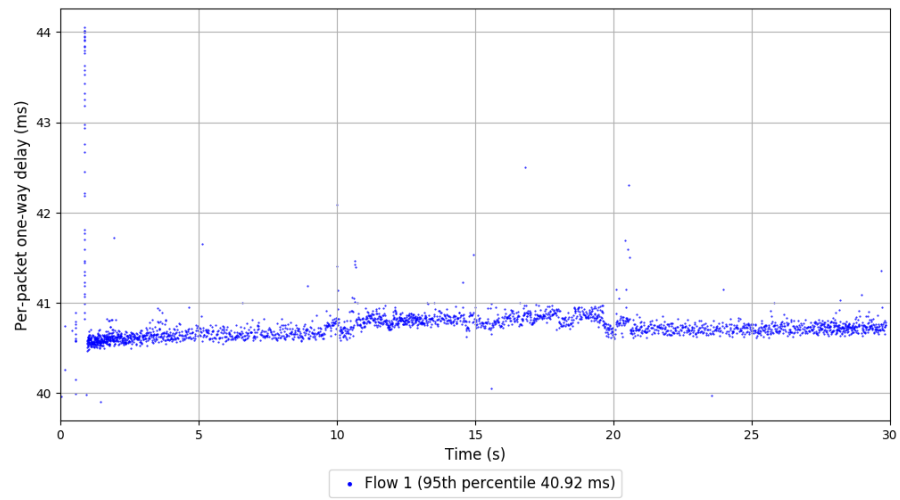
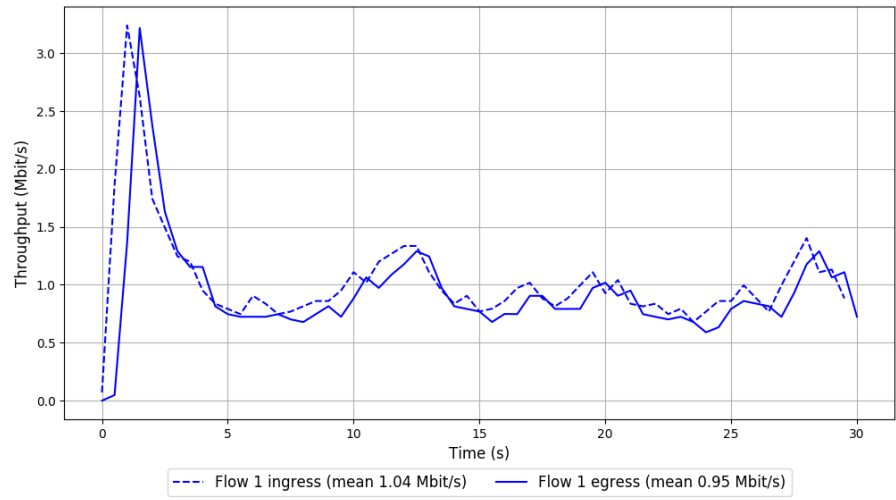
-- Flow 1:

Average throughput: 0.95 Mbit/s

95th percentile per-packet one-way delay: 40.918 ms

Loss rate: 8.80%

Run 10: Report of QUIC Cubic — Data Link

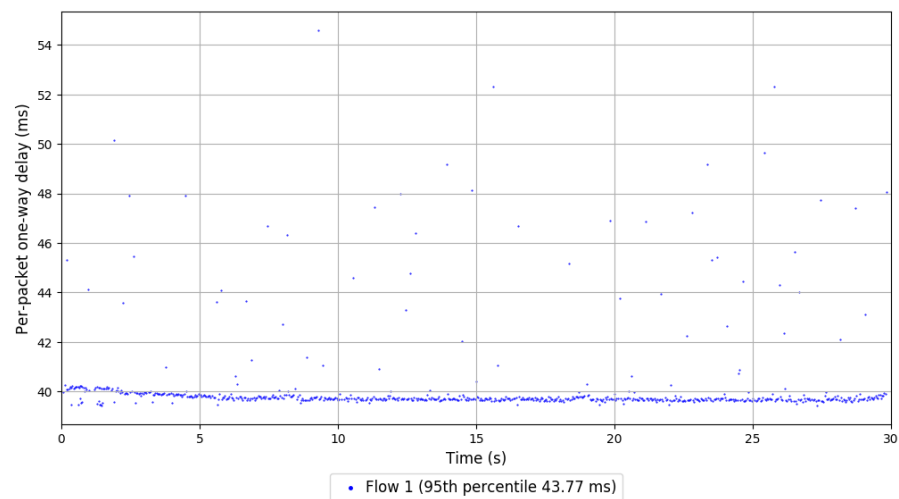
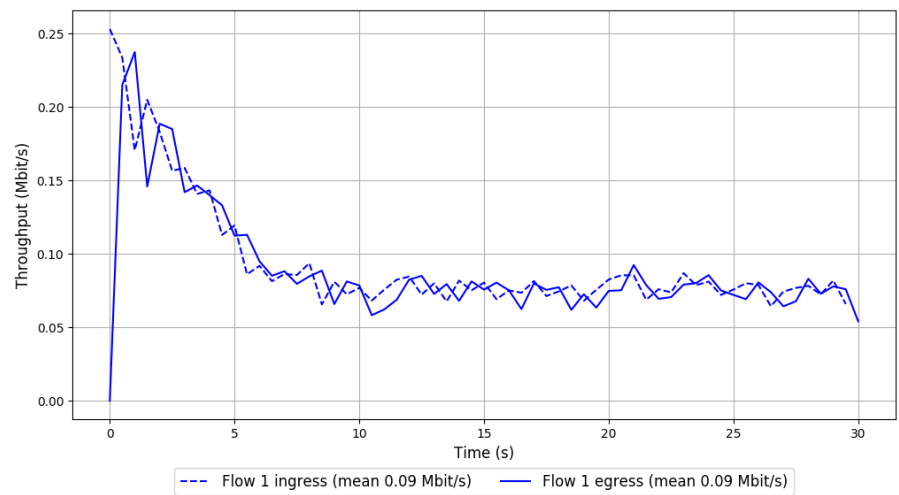


Run 1: Statistics of SCReAM

Start at: 2018-06-19 01:48:08
End at: 2018-06-19 01:48:38
Local clock offset: 2.943 ms
Remote clock offset: -2.388 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 43.774 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 43.774 ms
Loss rate: 3.73%

Run 1: Report of SReAM — Data Link

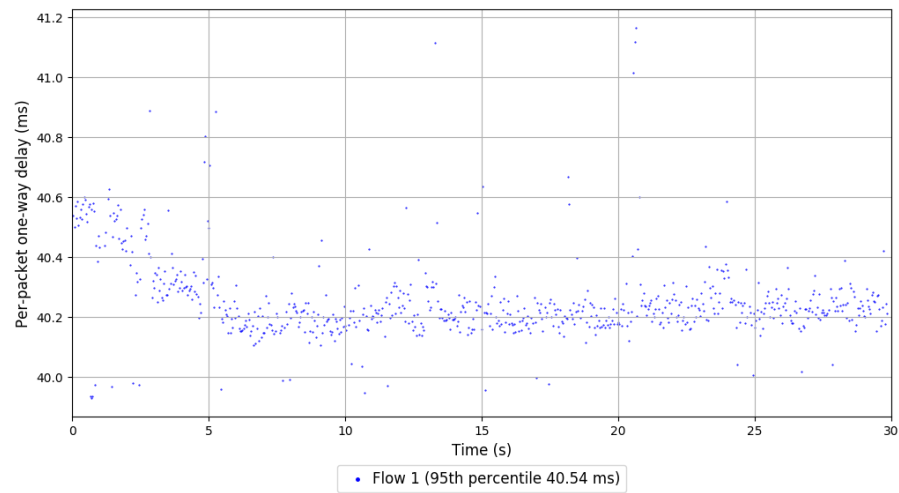
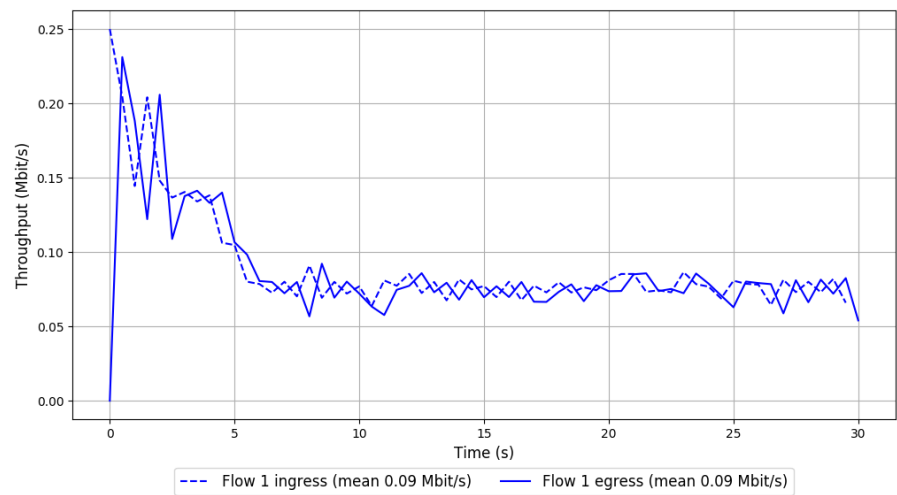


Run 2: Statistics of SCReAM

Start at: 2018-06-19 02:17:49
End at: 2018-06-19 02:18:19
Local clock offset: -2.883 ms
Remote clock offset: -2.716 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 40.540 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 40.540 ms
Loss rate: 3.67%

Run 2: Report of SReAM — Data Link

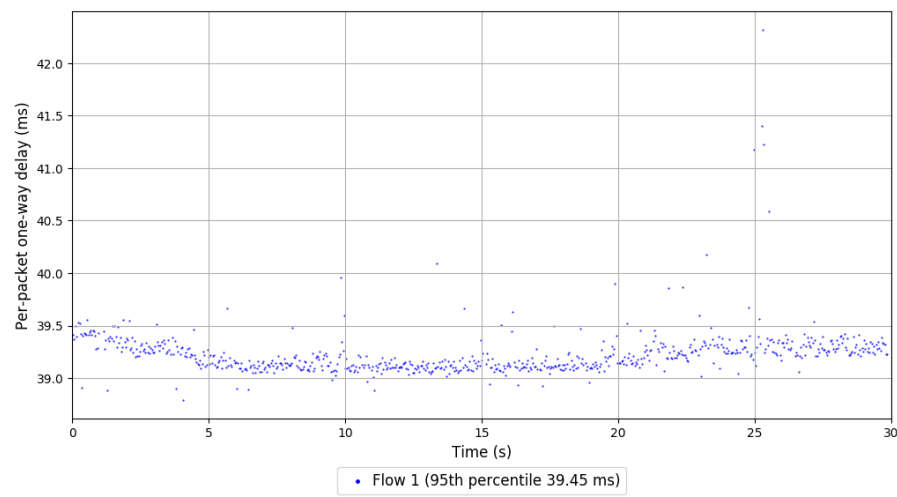
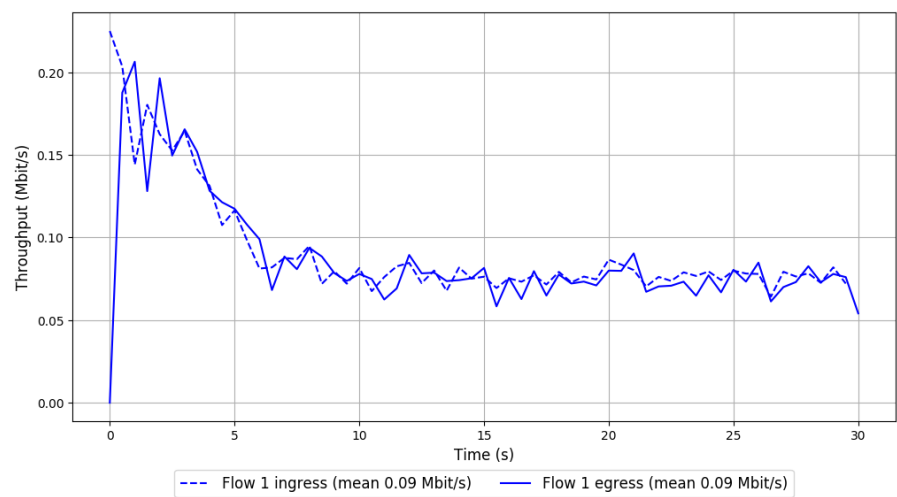


Run 3: Statistics of SCReAM

Start at: 2018-06-19 02:47:17
End at: 2018-06-19 02:47:47
Local clock offset: -5.844 ms
Remote clock offset: -3.054 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.453 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 39.453 ms
Loss rate: 3.44%

Run 3: Report of SReAM — Data Link

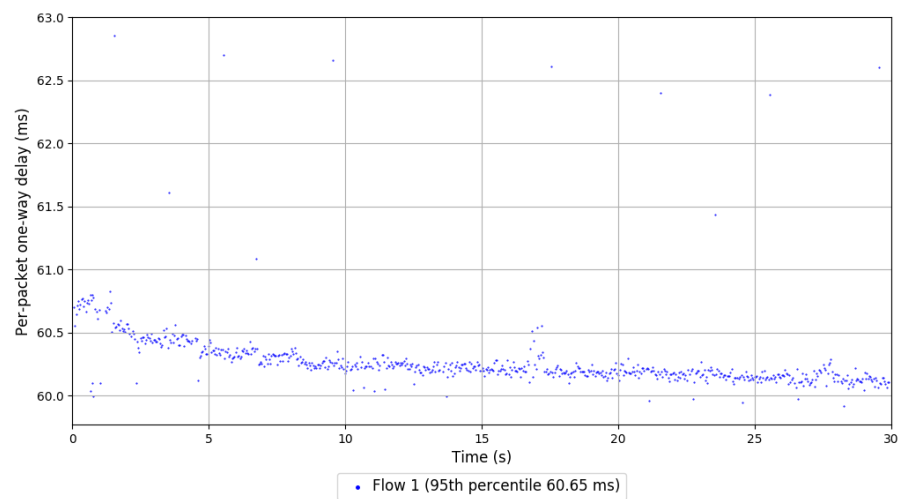
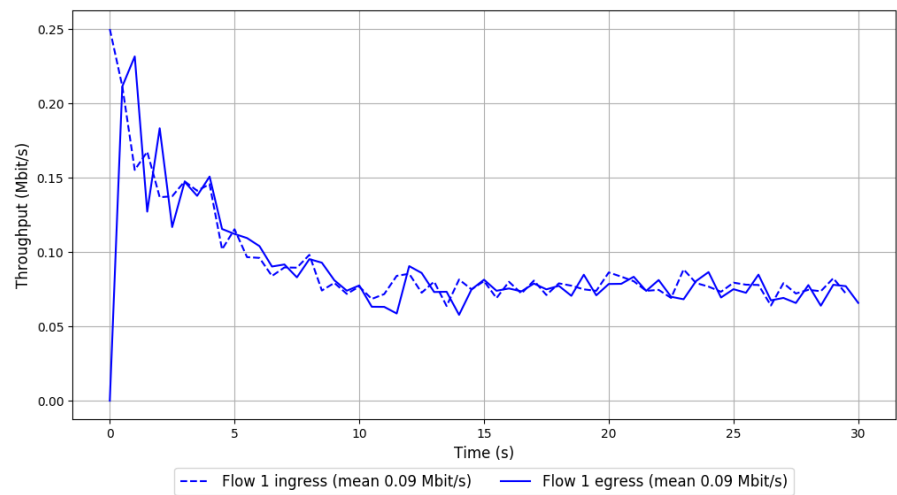


Run 4: Statistics of SCReAM

Start at: 2018-06-19 03:16:49
End at: 2018-06-19 03:17:19
Local clock offset: 6.287 ms
Remote clock offset: -22.935 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 60.649 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 60.649 ms
Loss rate: 2.58%

Run 4: Report of SReAM — Data Link

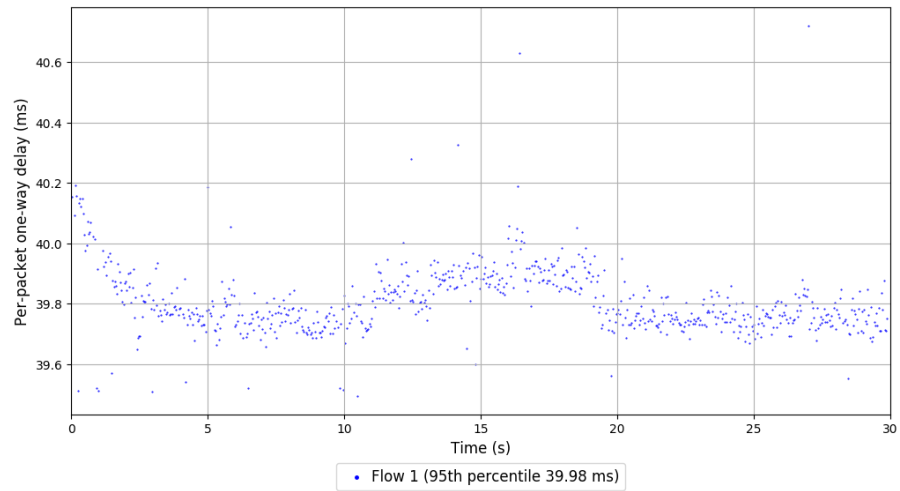
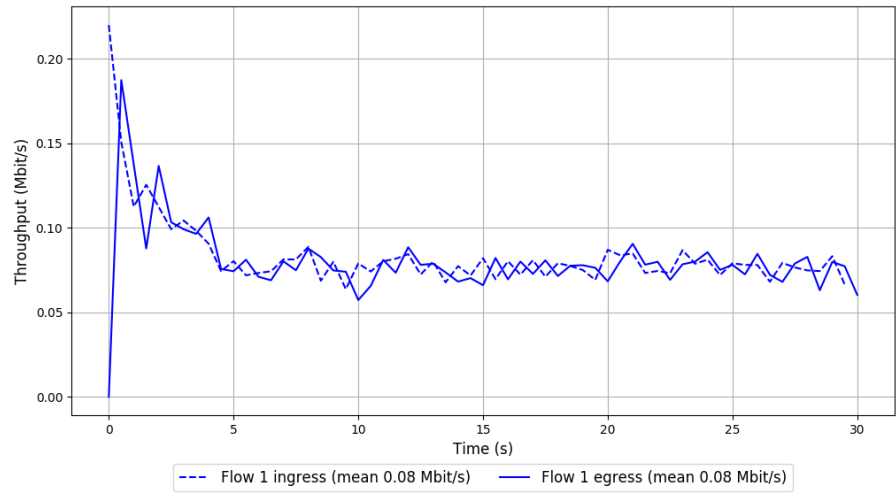


Run 5: Statistics of SReAM

Start at: 2018-06-19 03:46:27
End at: 2018-06-19 03:46:57
Local clock offset: 6.706 ms
Remote clock offset: -1.375 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 39.977 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 39.977 ms
Loss rate: 2.74%

Run 5: Report of SReAM — Data Link

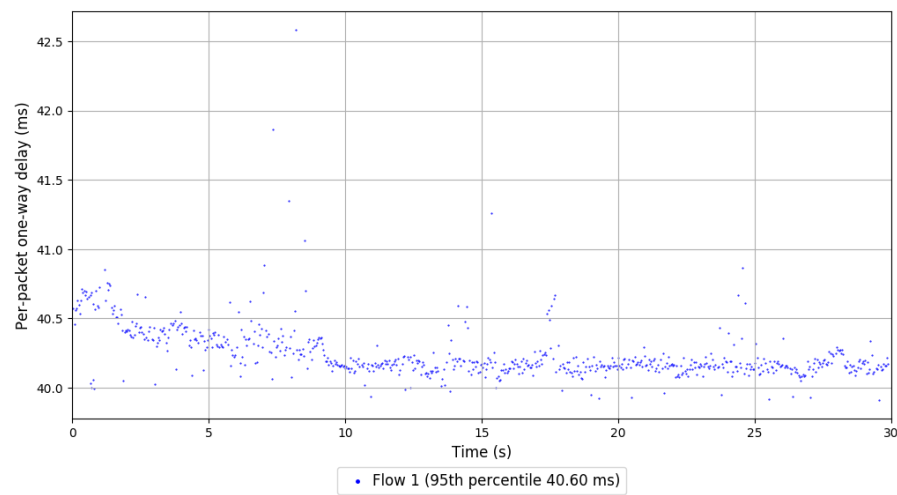
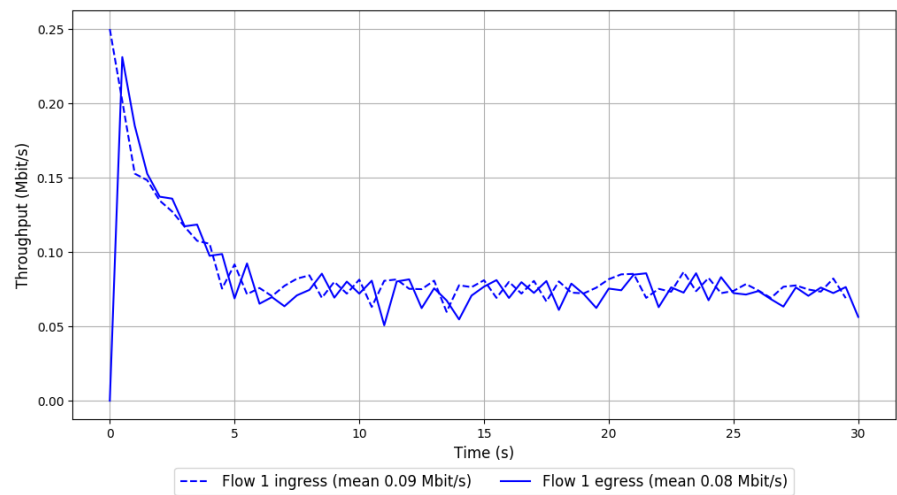


Run 6: Statistics of SCReAM

Start at: 2018-06-19 04:15:38
End at: 2018-06-19 04:16:08
Local clock offset: 8.342 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 40.605 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 40.605 ms
Loss rate: 4.62%

Run 6: Report of SReAM — Data Link

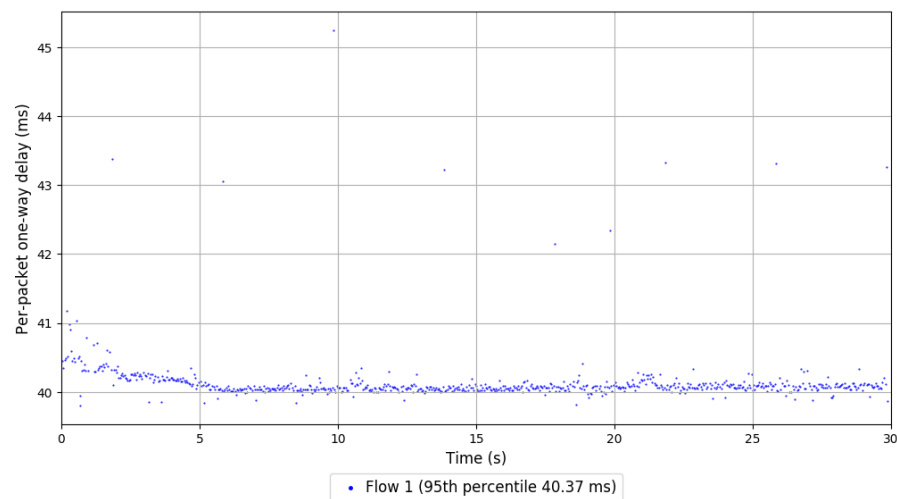
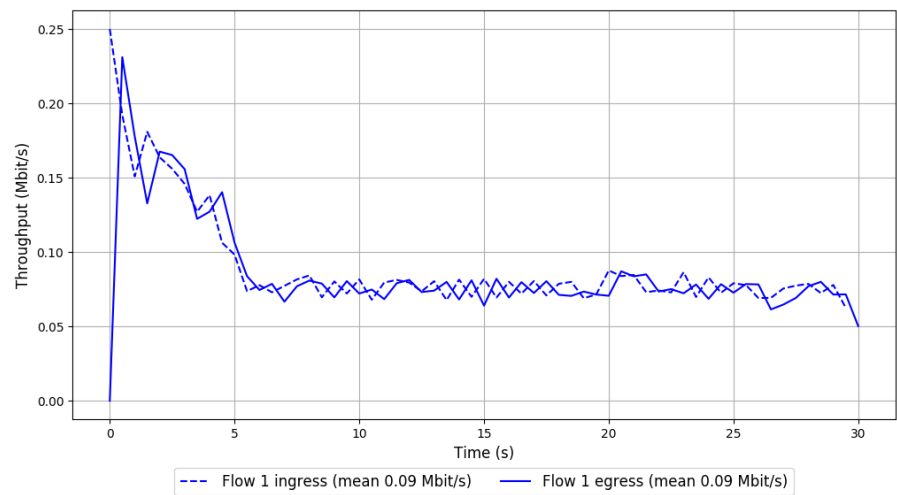


Run 7: Statistics of SCReAM

Start at: 2018-06-19 04:45:53
End at: 2018-06-19 04:46:23
Local clock offset: 5.38 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 40.369 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 40.369 ms
Loss rate: 3.55%

Run 7: Report of SReAM — Data Link

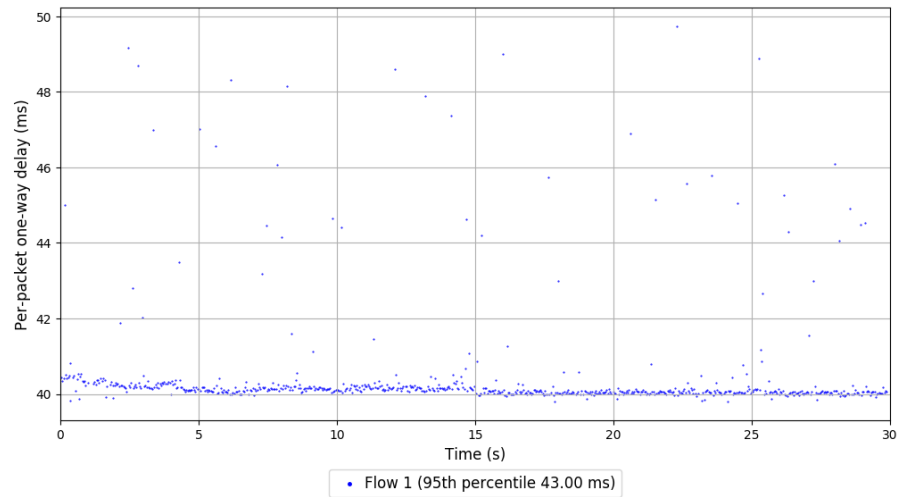
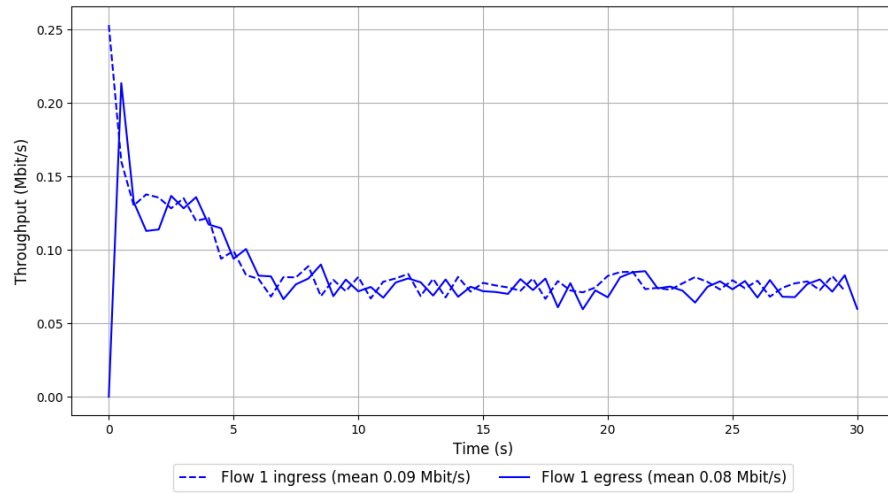


Run 8: Statistics of SCReAM

Start at: 2018-06-19 05:16:32
End at: 2018-06-19 05:17:03
Local clock offset: 7.122 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 43.003 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 43.003 ms
Loss rate: 4.05%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-19 05:46:46

End at: 2018-06-19 05:47:16

Local clock offset: 7.413 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 40.198 ms

Loss rate: 3.51%

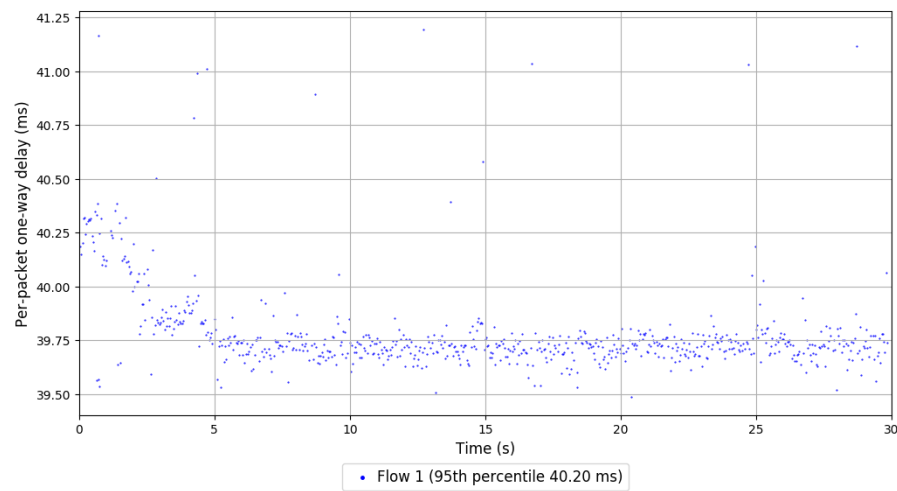
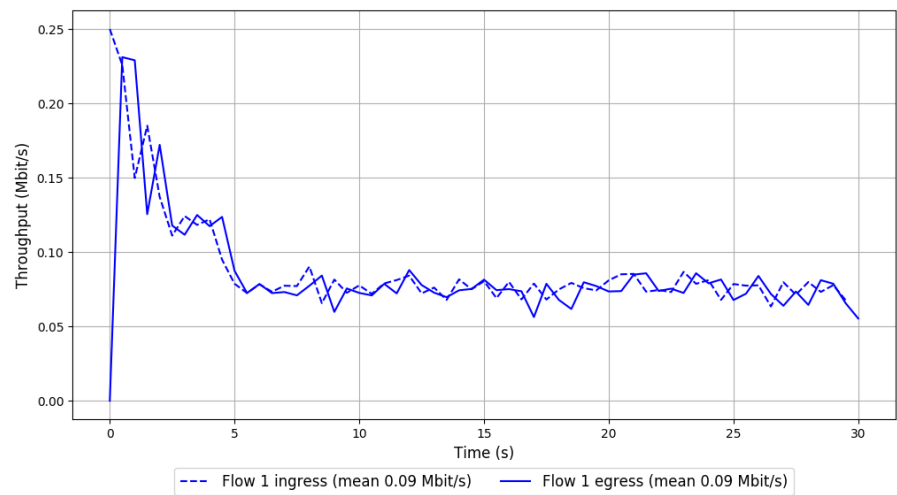
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 40.198 ms

Loss rate: 3.51%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-19 06:16:30

End at: 2018-06-19 06:17:00

Local clock offset: 6.24 ms

Remote clock offset: -1.381 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 40.350 ms

Loss rate: 4.34%

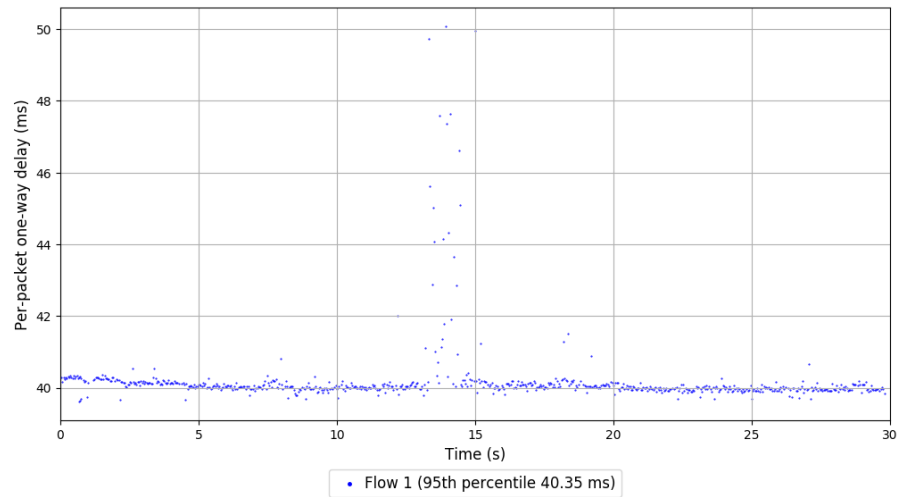
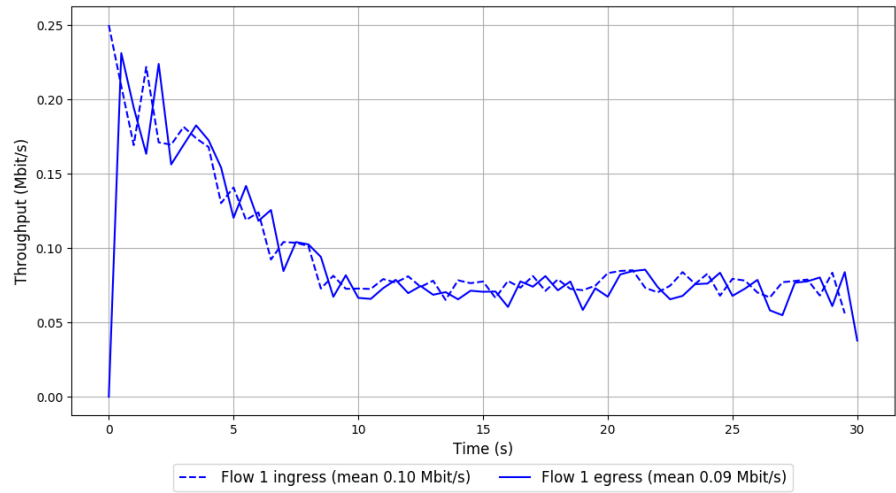
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 40.350 ms

Loss rate: 4.34%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-19 02:02:16

End at: 2018-06-19 02:02:46

Local clock offset: 3.567 ms

Remote clock offset: -2.534 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 47.469 ms

Loss rate: 8.02%

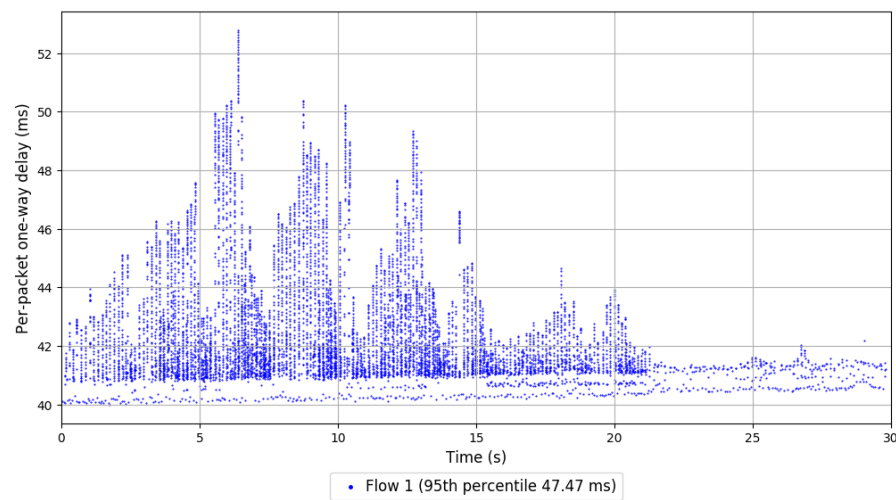
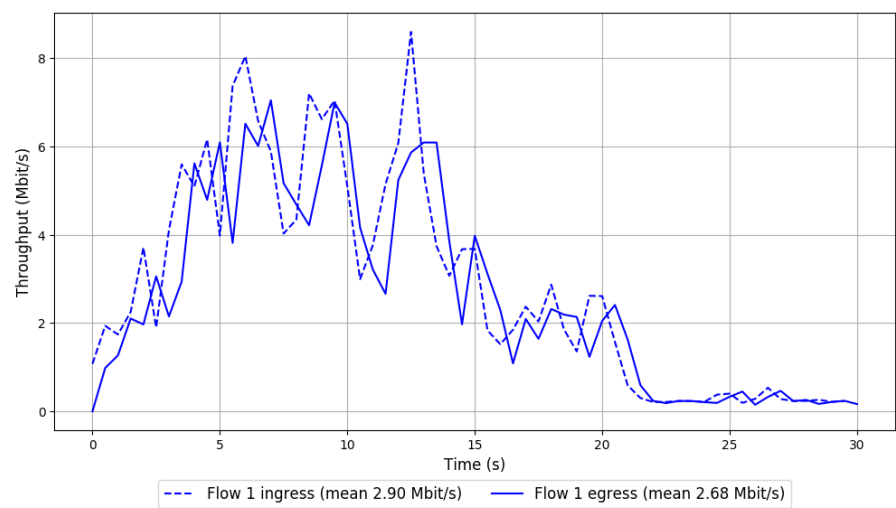
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 47.469 ms

Loss rate: 8.02%

Run 1: Report of Sprout — Data Link

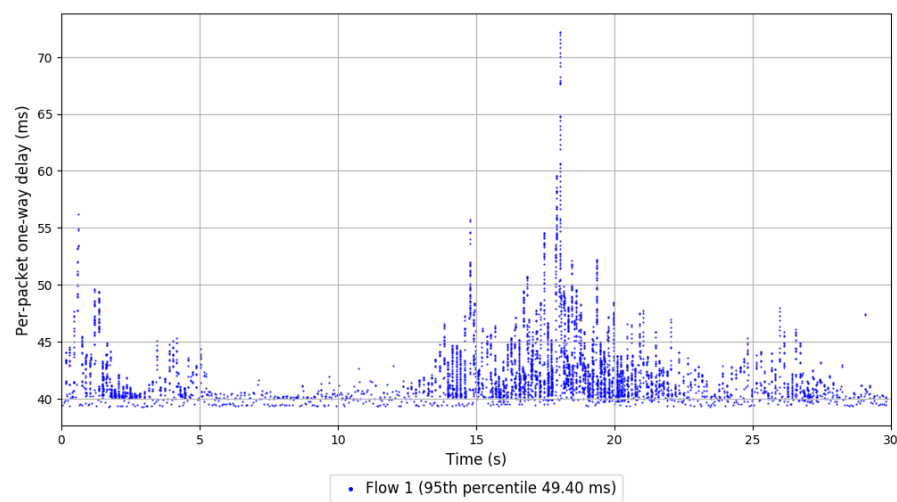
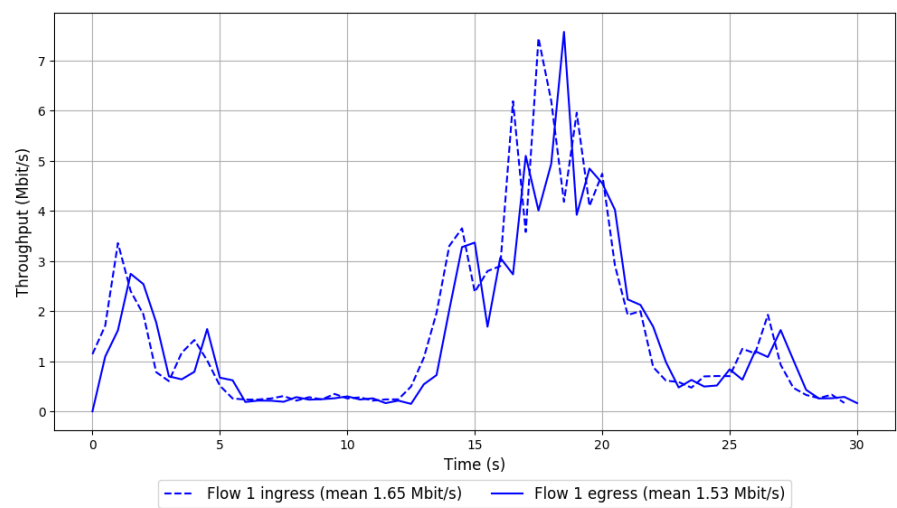


Run 2: Statistics of Sprout

Start at: 2018-06-19 02:31:45
End at: 2018-06-19 02:32:15
Local clock offset: -4.726 ms
Remote clock offset: -2.736 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 49.403 ms
Loss rate: 7.69%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 49.403 ms
Loss rate: 7.69%

Run 2: Report of Sprout — Data Link

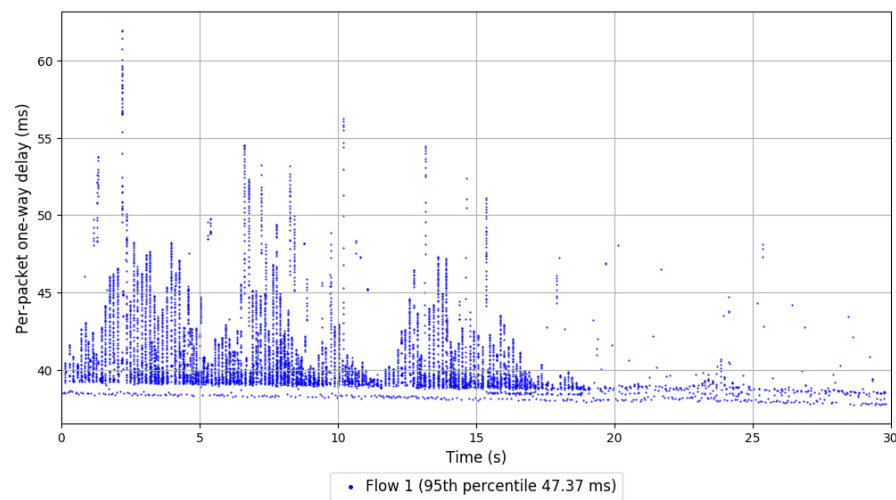
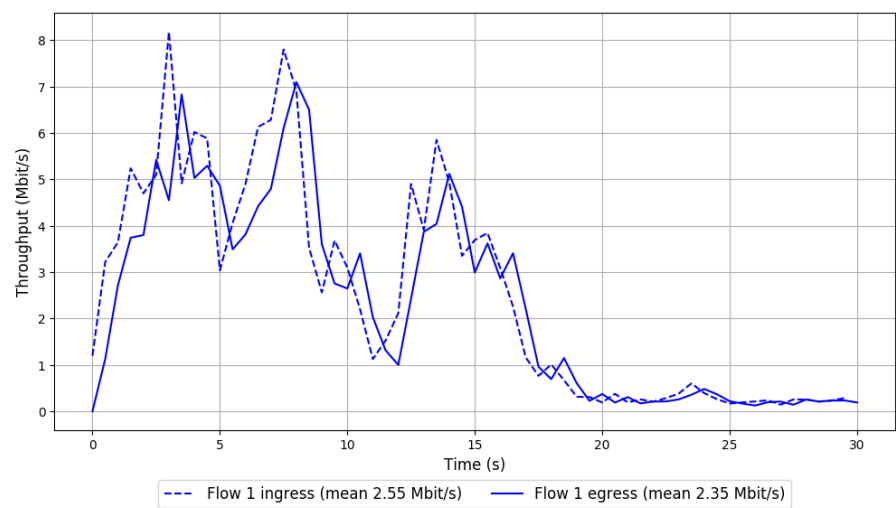


Run 3: Statistics of Sprout

Start at: 2018-06-19 03:01:18
End at: 2018-06-19 03:01:48
Local clock offset: -6.716 ms
Remote clock offset: -1.621 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 47.370 ms
Loss rate: 8.13%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 47.370 ms
Loss rate: 8.13%

Run 3: Report of Sprout — Data Link

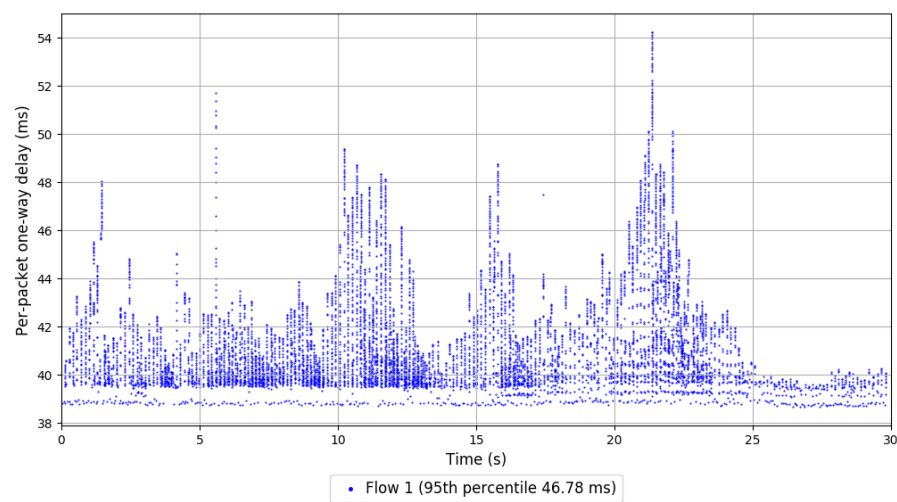
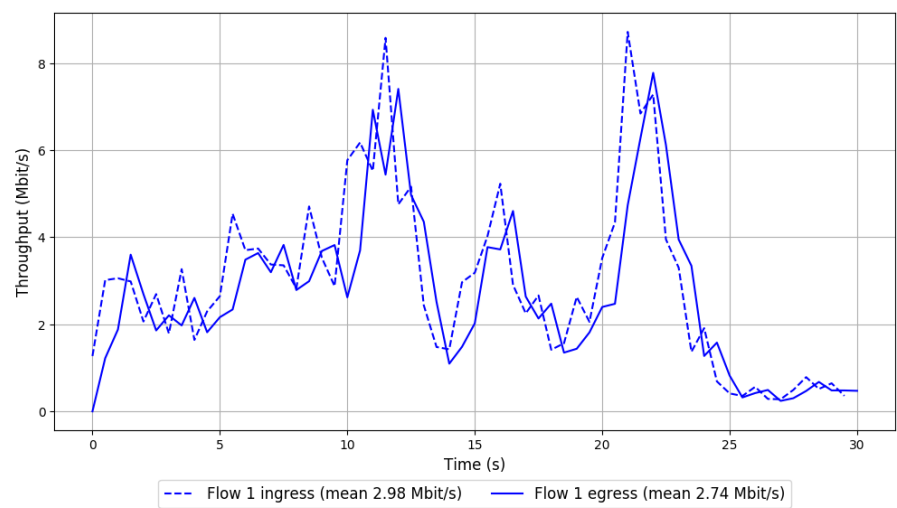


Run 4: Statistics of Sprout

Start at: 2018-06-19 03:30:21
End at: 2018-06-19 03:30:51
Local clock offset: 10.468 ms
Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 46.776 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 46.776 ms
Loss rate: 8.33%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-19 04:00:27

End at: 2018-06-19 04:00:57

Local clock offset: 7.019 ms

Remote clock offset: -0.89 ms

Below is generated by plot.py at 2018-06-19 06:44:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 45.200 ms

Loss rate: 8.54%

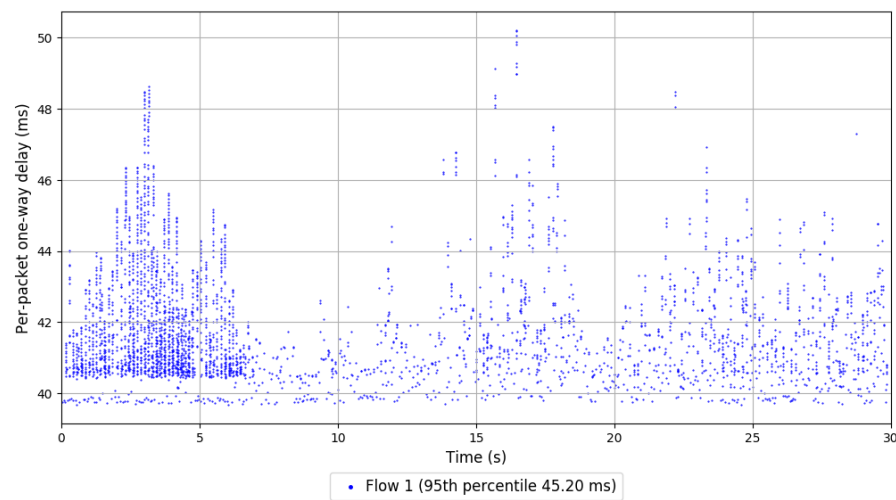
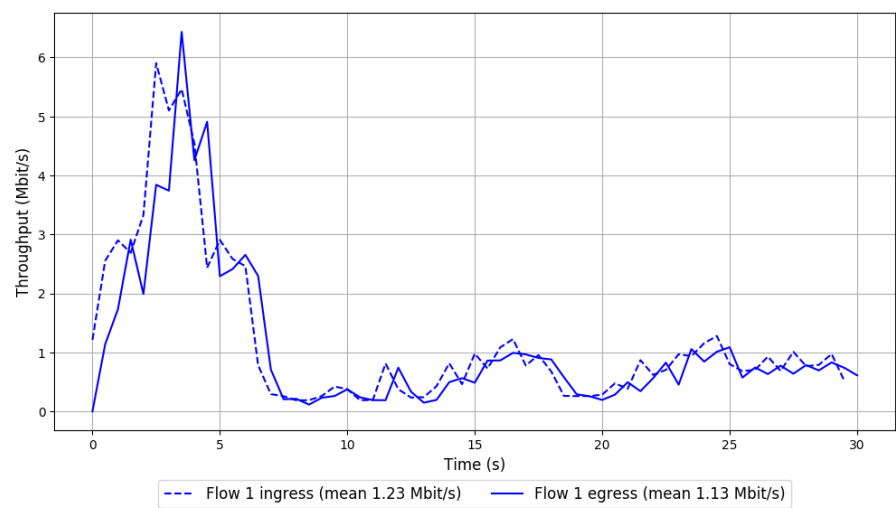
-- Flow 1:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 45.200 ms

Loss rate: 8.54%

Run 5: Report of Sprout — Data Link

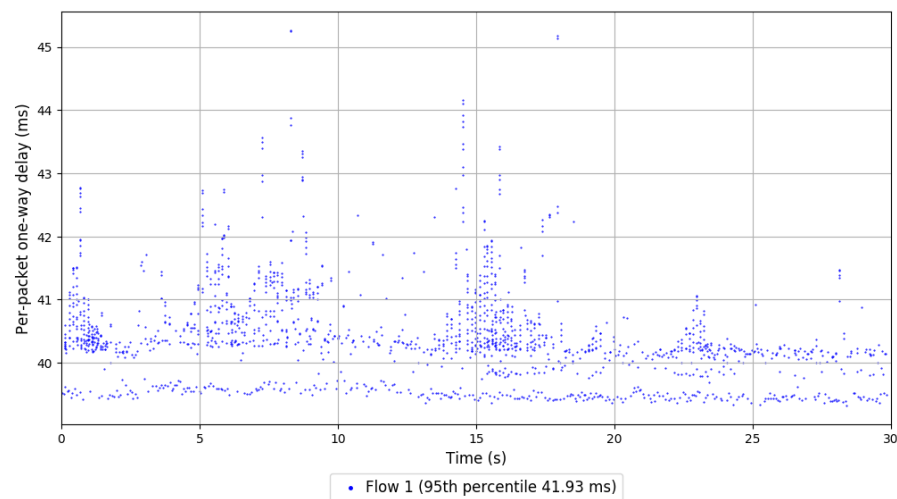
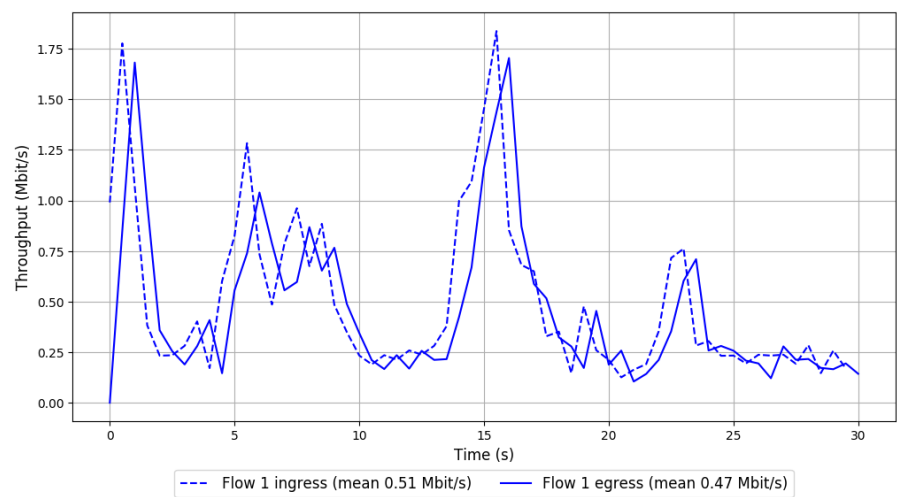


Run 6: Statistics of Sprout

Start at: 2018-06-19 04:29:36
End at: 2018-06-19 04:30:06
Local clock offset: 9.326 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-06-19 06:44:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 41.929 ms
Loss rate: 7.97%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 41.929 ms
Loss rate: 7.97%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-19 05:00:07

End at: 2018-06-19 05:00:37

Local clock offset: 4.586 ms

Remote clock offset: -1.27 ms

Below is generated by plot.py at 2018-06-19 06:44:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 43.981 ms

Loss rate: 8.07%

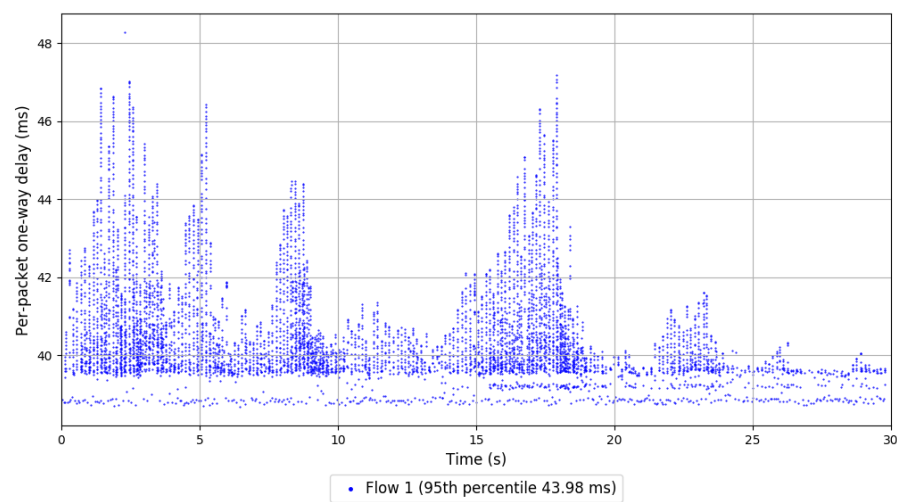
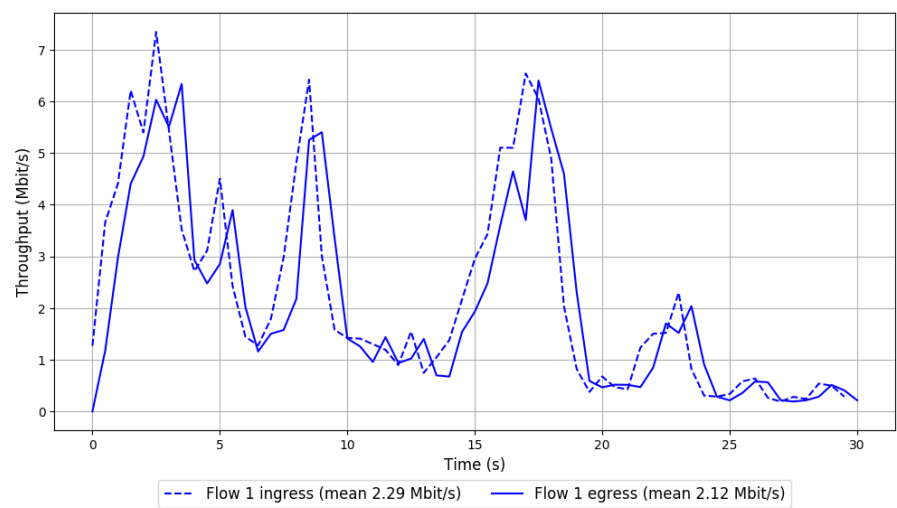
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 43.981 ms

Loss rate: 8.07%

Run 7: Report of Sprout — Data Link

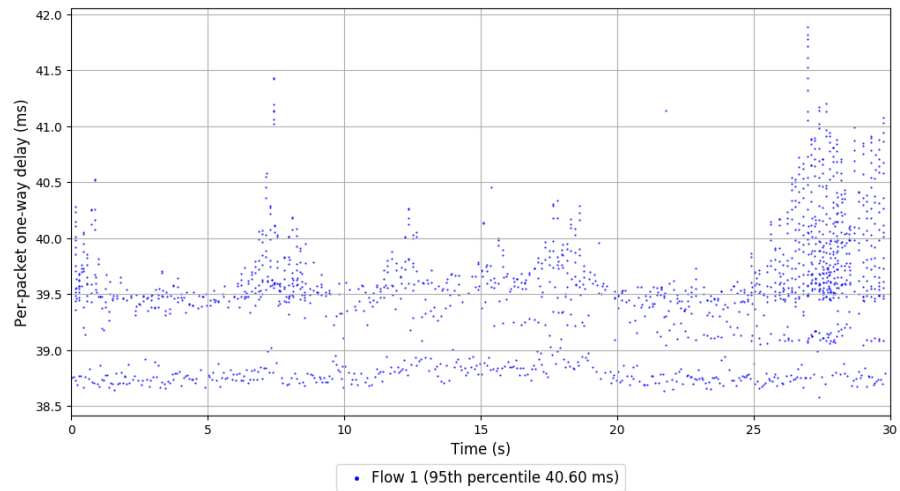
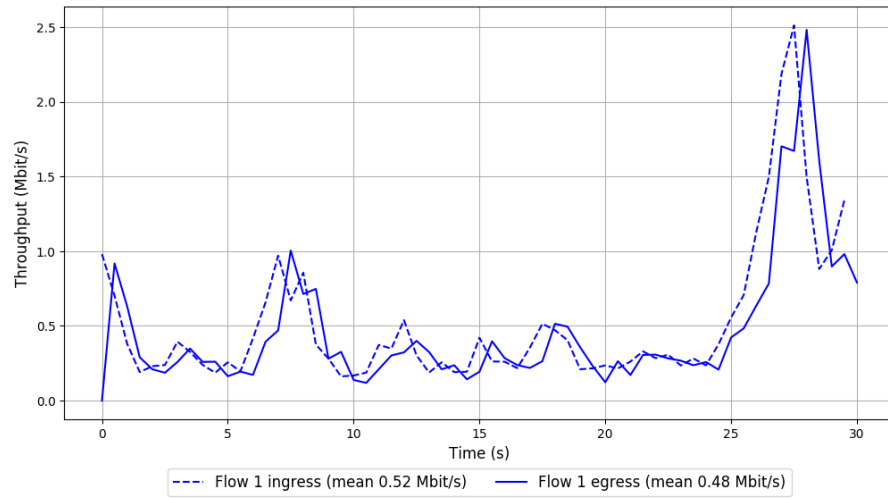


Run 8: Statistics of Sprout

Start at: 2018-06-19 05:30:28
End at: 2018-06-19 05:30:58
Local clock offset: 8.043 ms
Remote clock offset: -1.018 ms

Below is generated by plot.py at 2018-06-19 06:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 40.603 ms
Loss rate: 8.28%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 40.603 ms
Loss rate: 8.28%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-19 06:00:52

End at: 2018-06-19 06:01:22

Local clock offset: 7.767 ms

Remote clock offset: -1.42 ms

Below is generated by plot.py at 2018-06-19 06:44:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 44.441 ms

Loss rate: 8.34%

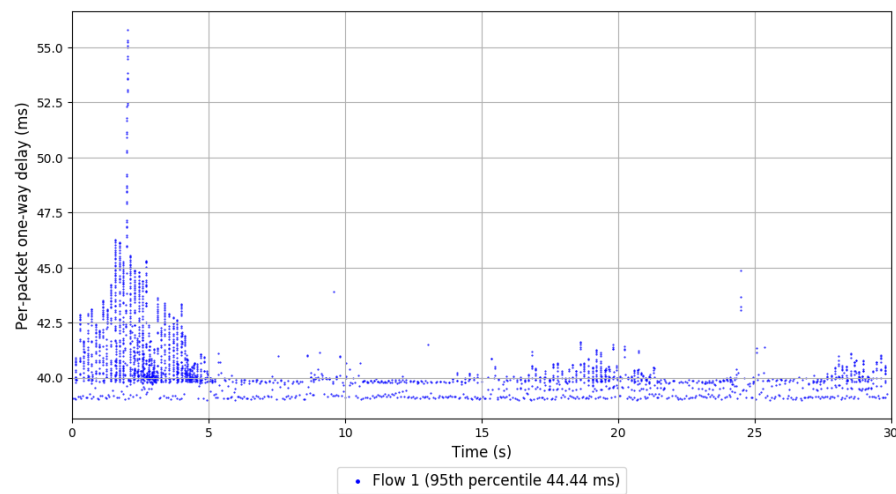
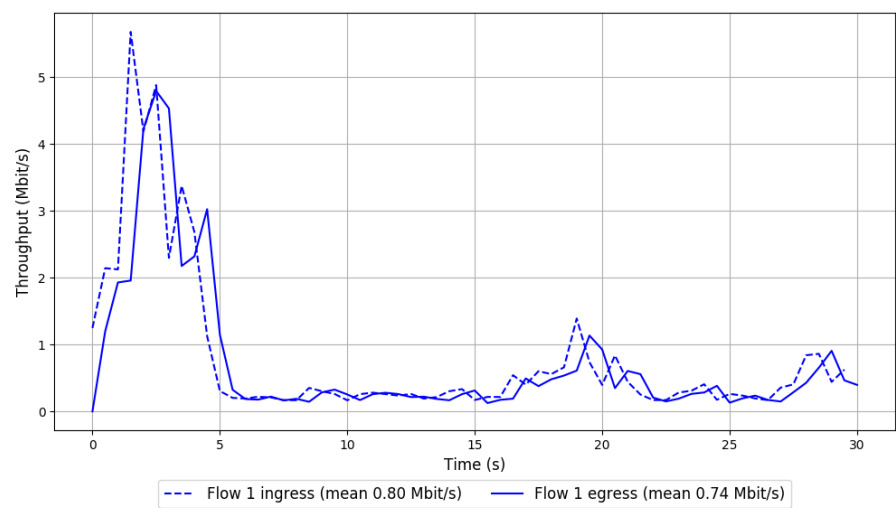
-- Flow 1:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 44.441 ms

Loss rate: 8.34%

Run 9: Report of Sprout — Data Link

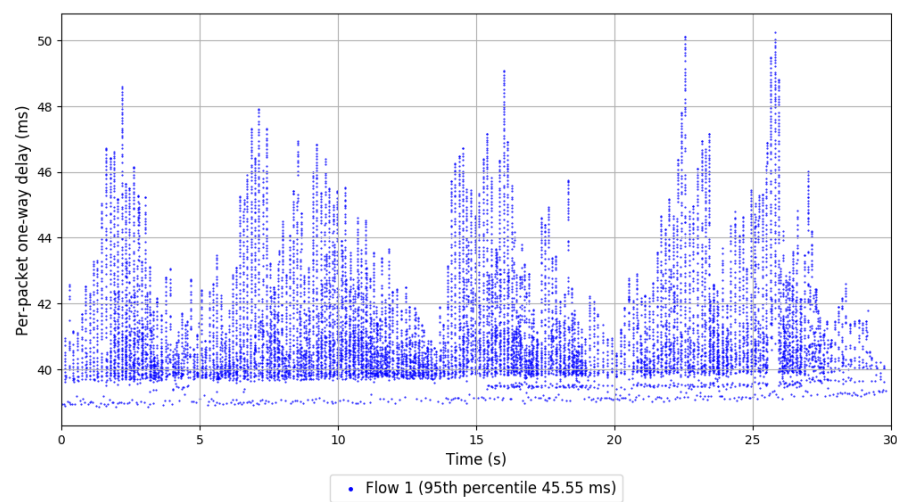
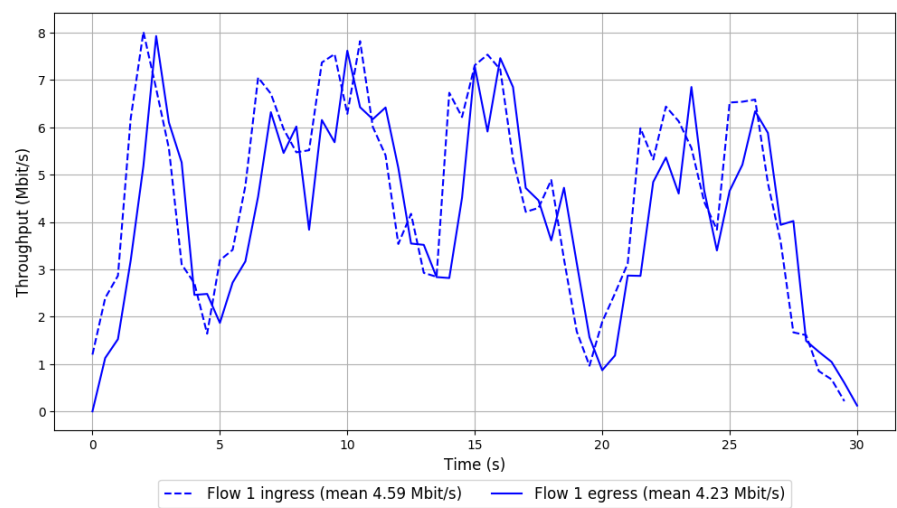


Run 10: Statistics of Sprout

Start at: 2018-06-19 06:31:14
End at: 2018-06-19 06:31:44
Local clock offset: 6.085 ms
Remote clock offset: -0.993 ms

Below is generated by plot.py at 2018-06-19 06:44:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 45.552 ms
Loss rate: 8.22%
-- Flow 1:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 45.552 ms
Loss rate: 8.22%

Run 10: Report of Sprout — Data Link

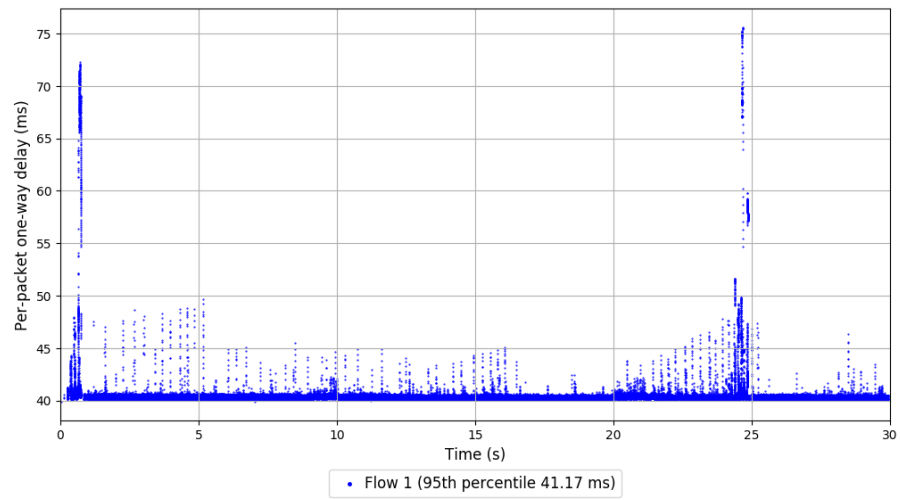
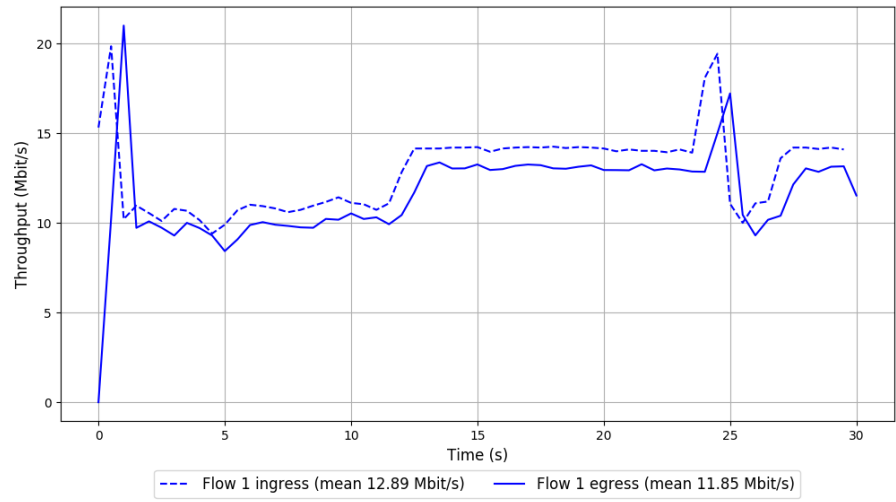


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-19 01:58:54
End at: 2018-06-19 01:59:24
Local clock offset: 3.775 ms
Remote clock offset: -2.48 ms

# Below is generated by plot.py at 2018-06-19 06:44:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 41.166 ms
Loss rate: 8.40%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 41.166 ms
Loss rate: 8.40%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-19 02:28:34

End at: 2018-06-19 02:29:04

Local clock offset: -4.461 ms

Remote clock offset: -2.766 ms

Below is generated by plot.py at 2018-06-19 06:44:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 40.766 ms

Loss rate: 9.47%

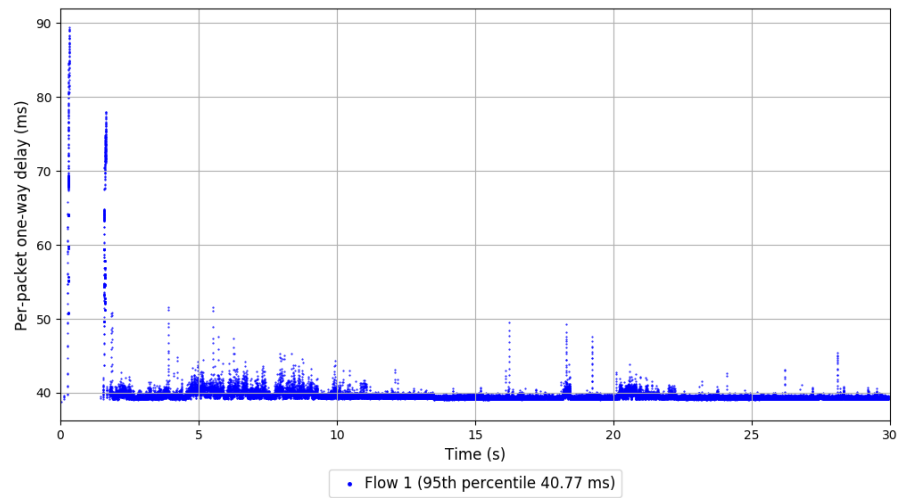
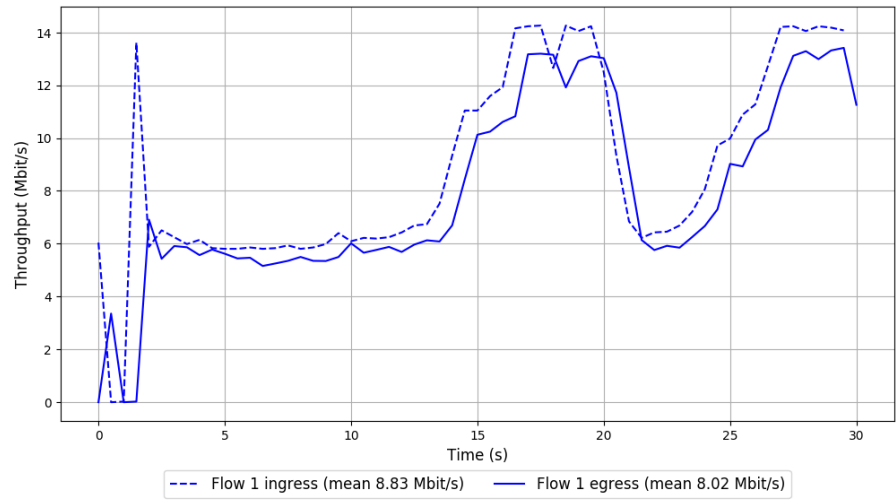
-- Flow 1:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 40.766 ms

Loss rate: 9.47%

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

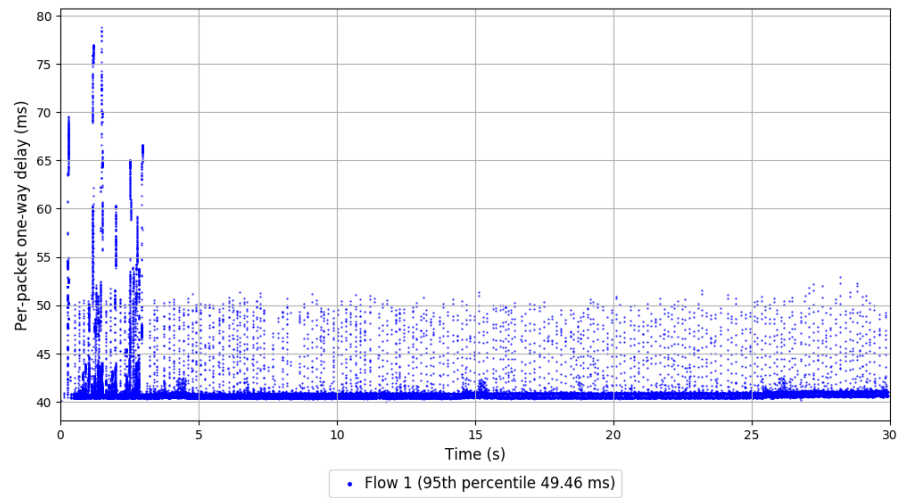
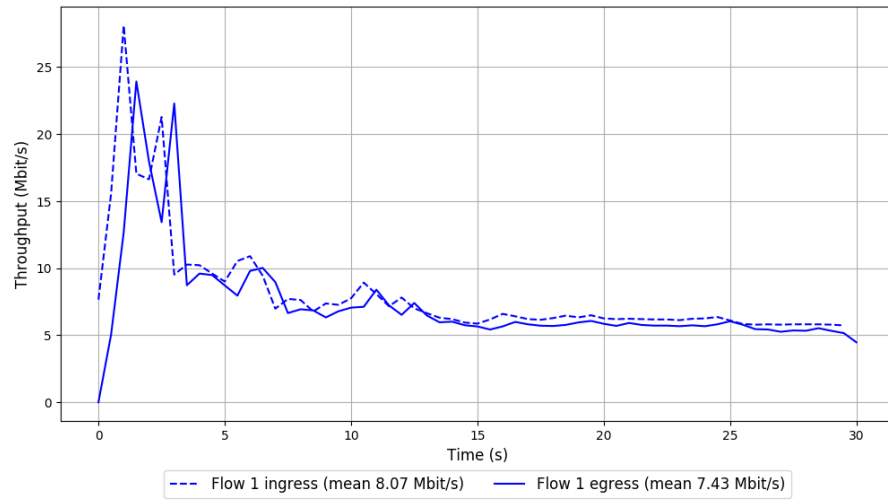


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-19 02:58:12
End at: 2018-06-19 02:58:42
Local clock offset: -6.375 ms
Remote clock offset: -1.839 ms

Below is generated by plot.py at 2018-06-19 06:44:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 49.462 ms
Loss rate: 8.30%
-- Flow 1:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 49.462 ms
Loss rate: 8.30%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-19 03:26:47

End at: 2018-06-19 03:27:17

Local clock offset: 9.73 ms

Remote clock offset: -1.421 ms

Below is generated by plot.py at 2018-06-19 06:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 40.326 ms

Loss rate: 8.09%

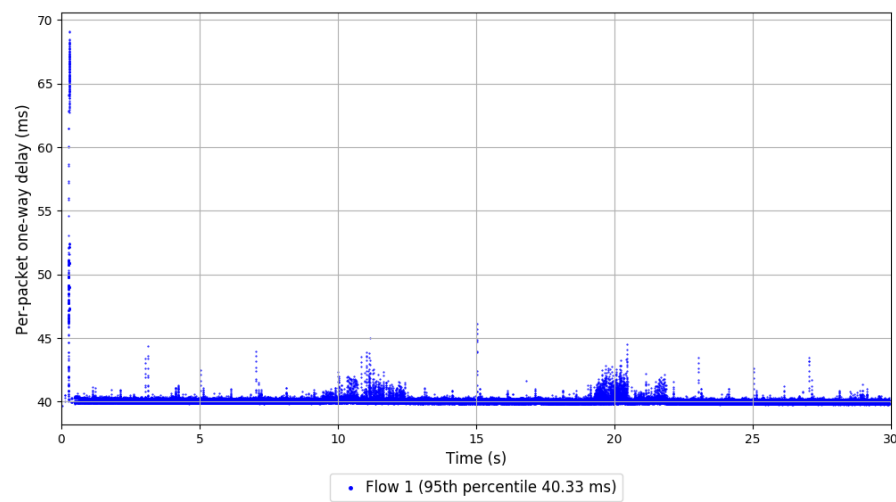
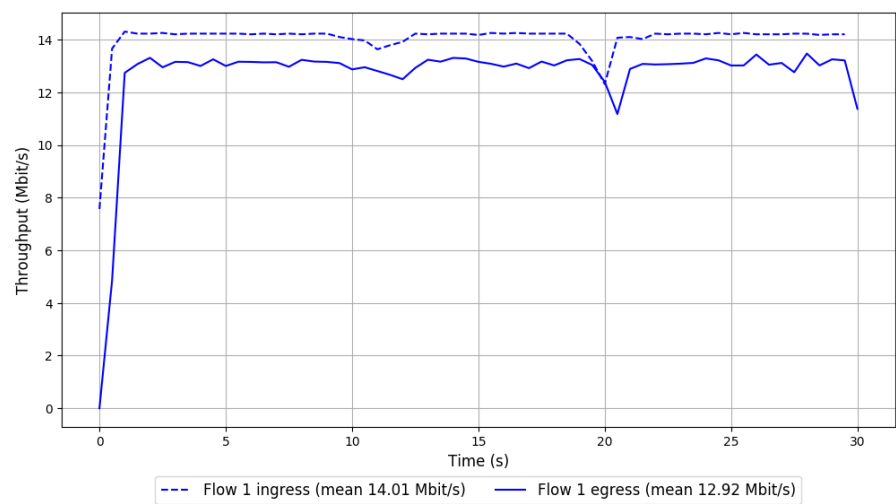
-- Flow 1:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 40.326 ms

Loss rate: 8.09%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-19 03:57:04

End at: 2018-06-19 03:57:34

Local clock offset: 6.858 ms

Remote clock offset: -1.125 ms

Below is generated by plot.py at 2018-06-19 06:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 39.588 ms

Loss rate: 8.22%

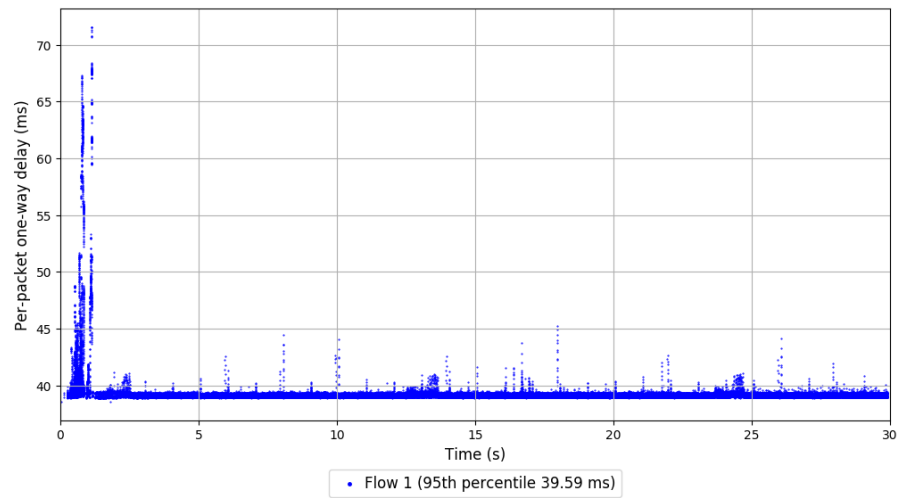
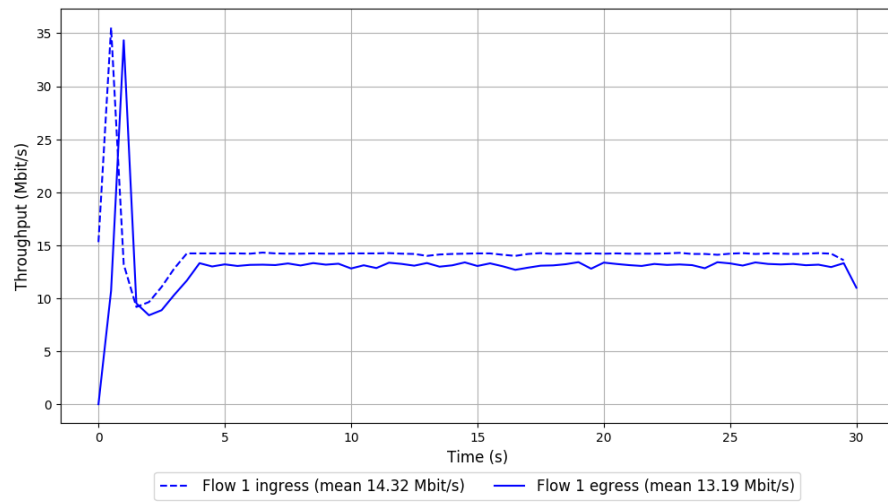
-- Flow 1:

Average throughput: 13.19 Mbit/s

95th percentile per-packet one-way delay: 39.588 ms

Loss rate: 8.22%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-19 04:26:36

End at: 2018-06-19 04:27:06

Local clock offset: 9.095 ms

Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-06-19 06:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.50 Mbit/s

95th percentile per-packet one-way delay: 41.393 ms

Loss rate: 8.63%

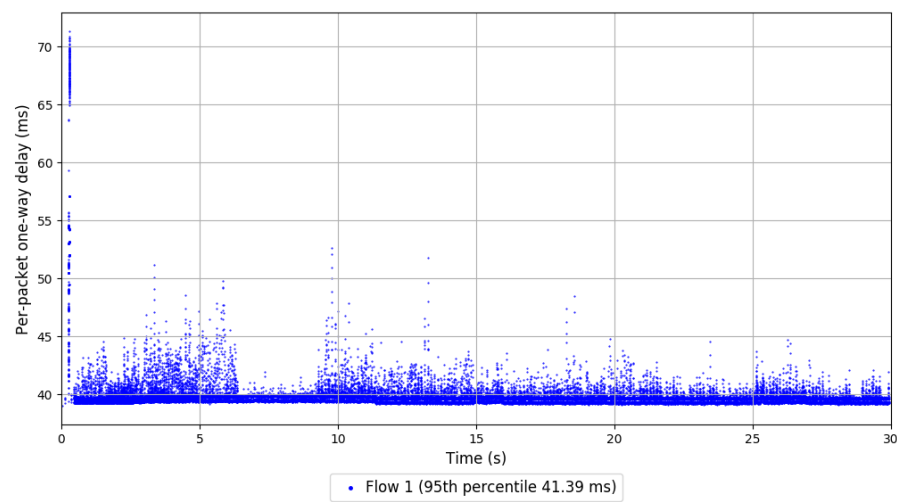
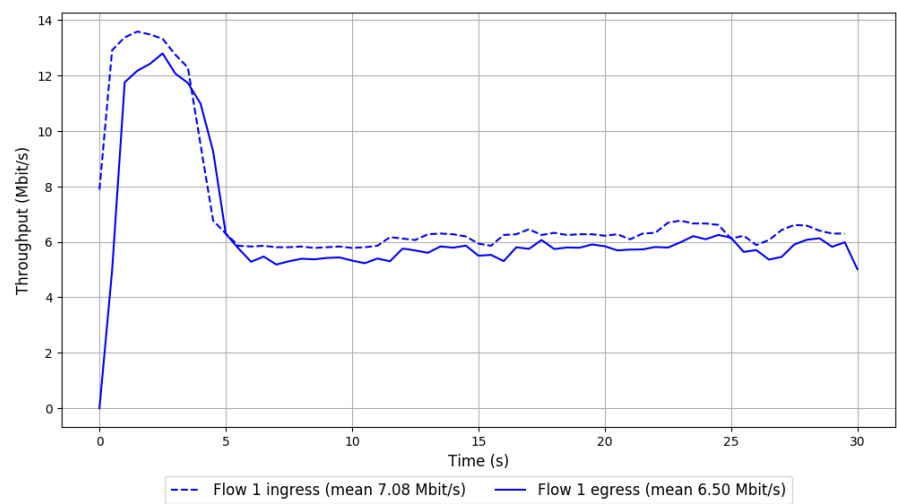
-- Flow 1:

Average throughput: 6.50 Mbit/s

95th percentile per-packet one-way delay: 41.393 ms

Loss rate: 8.63%

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

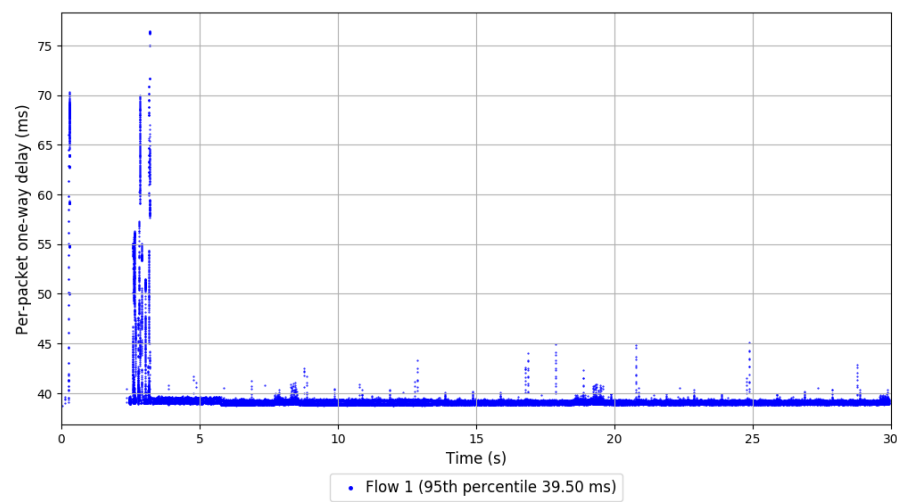
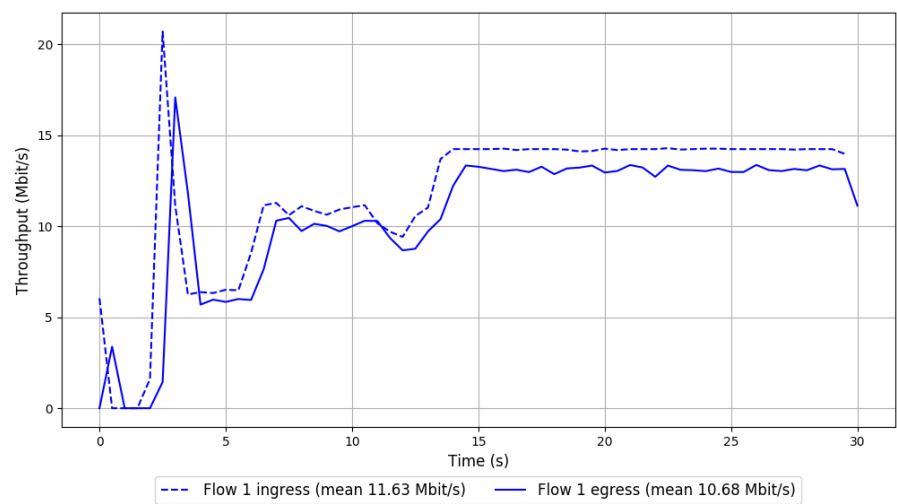


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-19 04:56:42
End at: 2018-06-19 04:57:12
Local clock offset: 4.679 ms
Remote clock offset: -1.217 ms

Below is generated by plot.py at 2018-06-19 06:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.68 Mbit/s
95th percentile per-packet one-way delay: 39.500 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 10.68 Mbit/s
95th percentile per-packet one-way delay: 39.500 ms
Loss rate: 8.49%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-19 05:27:01

End at: 2018-06-19 05:27:31

Local clock offset: 7.762 ms

Remote clock offset: -1.036 ms

Below is generated by plot.py at 2018-06-19 06:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.58 Mbit/s

95th percentile per-packet one-way delay: 45.984 ms

Loss rate: 9.24%

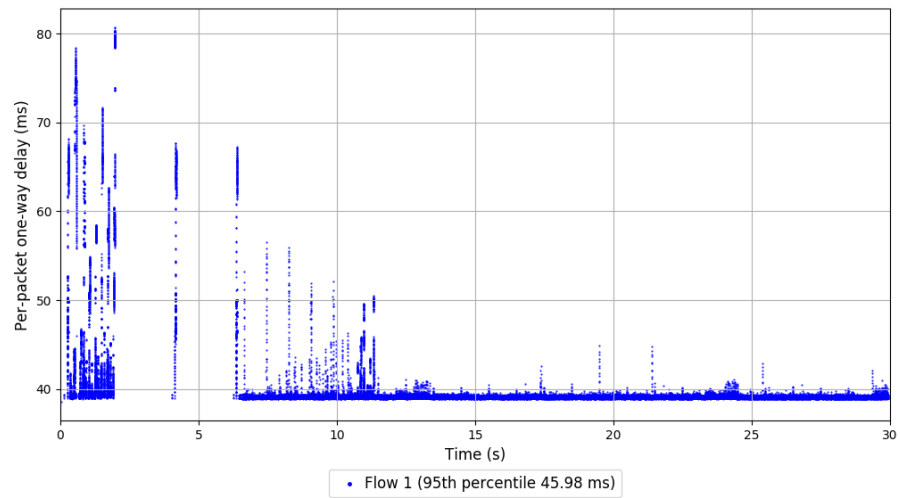
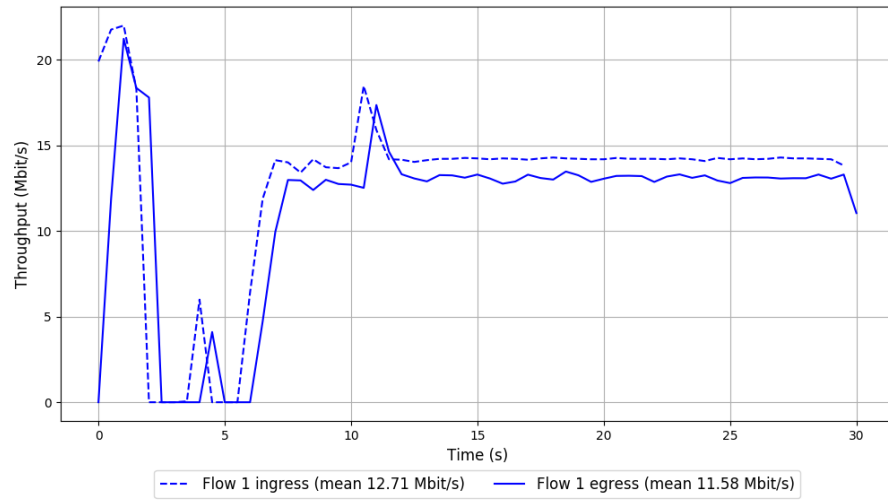
-- Flow 1:

Average throughput: 11.58 Mbit/s

95th percentile per-packet one-way delay: 45.984 ms

Loss rate: 9.24%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-19 05:57:24

End at: 2018-06-19 05:57:54

Local clock offset: 7.525 ms

Remote clock offset: -1.346 ms

Below is generated by plot.py at 2018-06-19 06:44:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 40.632 ms

Loss rate: 8.08%

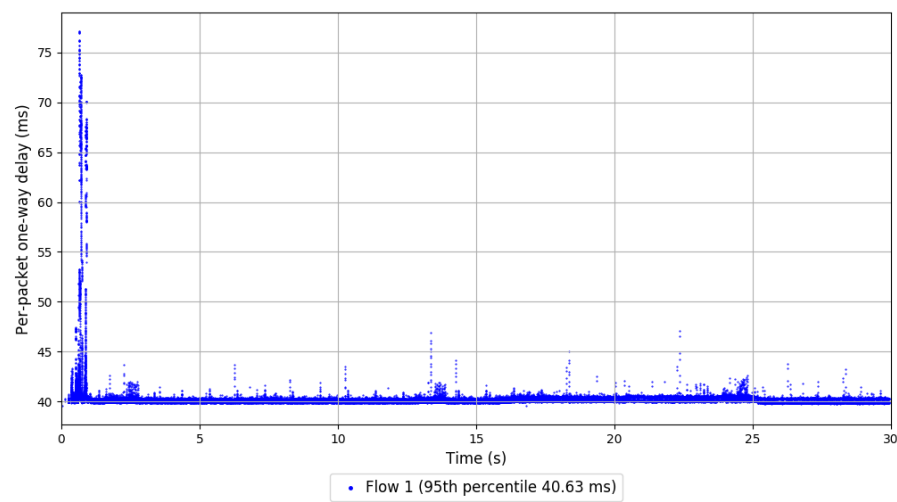
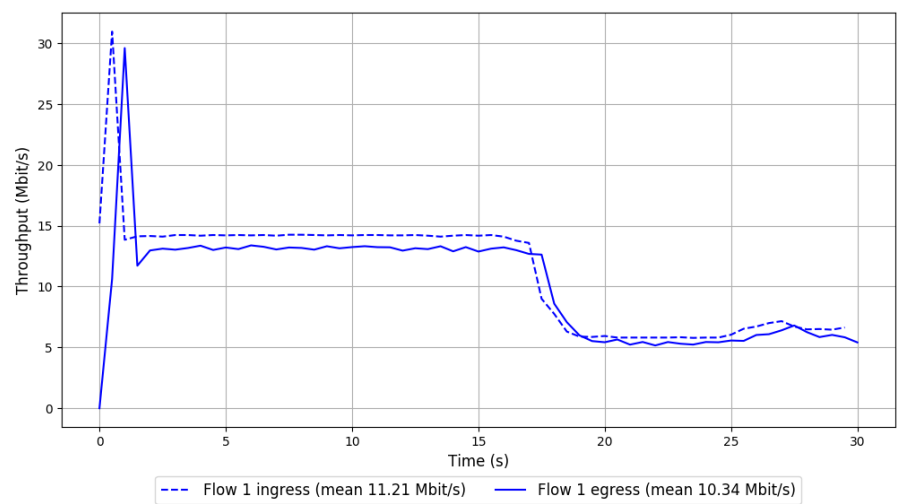
-- Flow 1:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 40.632 ms

Loss rate: 8.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-19 06:27:42

End at: 2018-06-19 06:28:12

Local clock offset: 6.001 ms

Remote clock offset: -1.043 ms

Below is generated by plot.py at 2018-06-19 06:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 39.437 ms

Loss rate: 8.65%

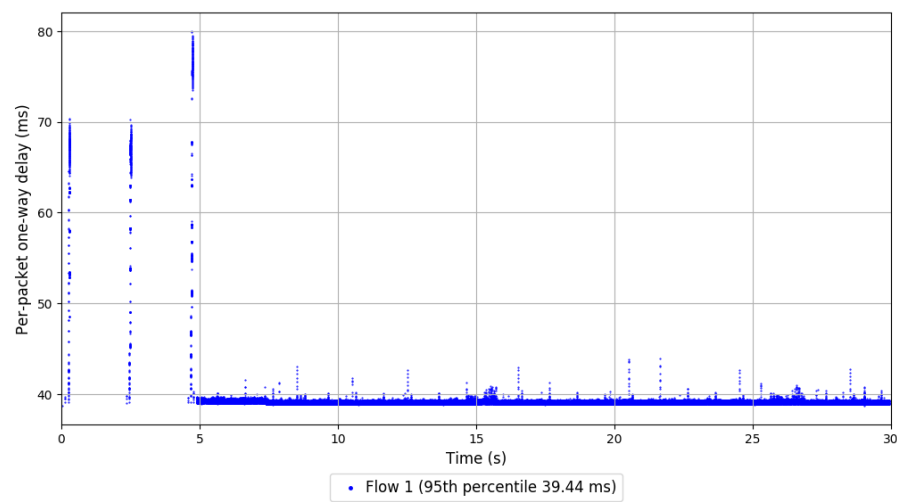
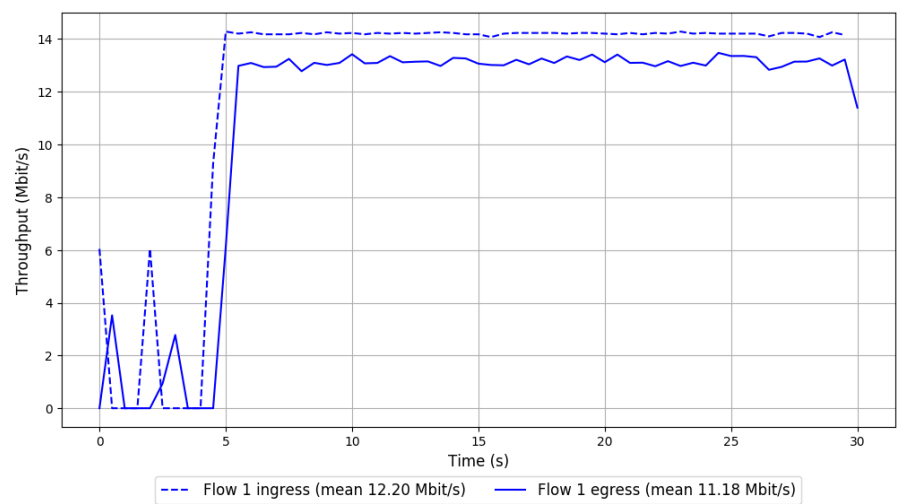
-- Flow 1:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 39.437 ms

Loss rate: 8.65%

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

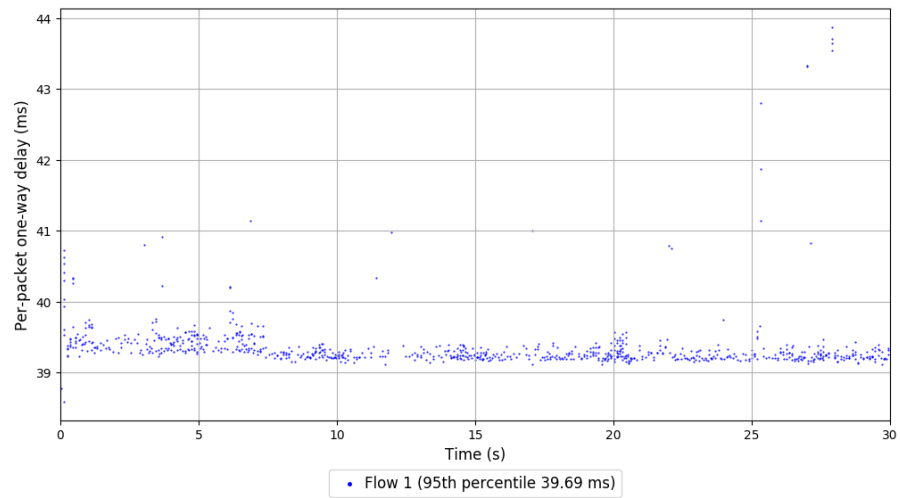
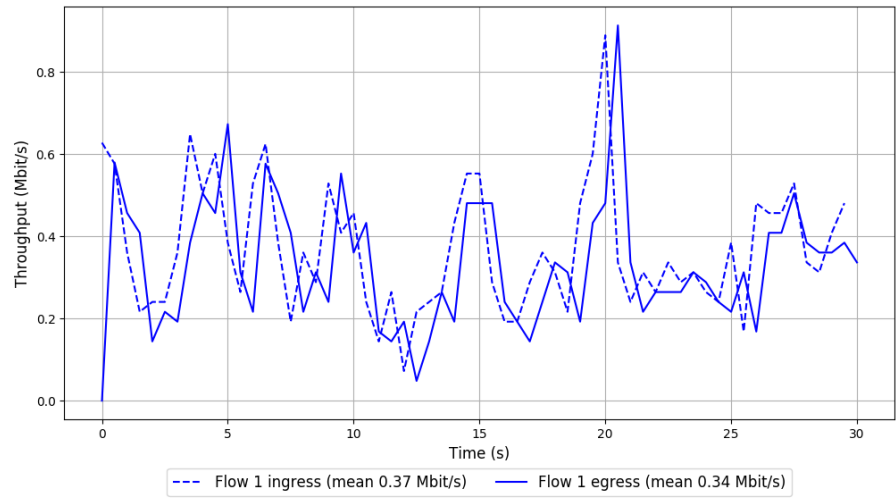


Run 1: Statistics of TCP Vegas

Start at: 2018-06-19 01:57:38
End at: 2018-06-19 01:58:08
Local clock offset: 3.676 ms
Remote clock offset: -2.468 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 39.686 ms
Loss rate: 8.77%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 39.686 ms
Loss rate: 8.77%

Run 1: Report of TCP Vegas — Data Link

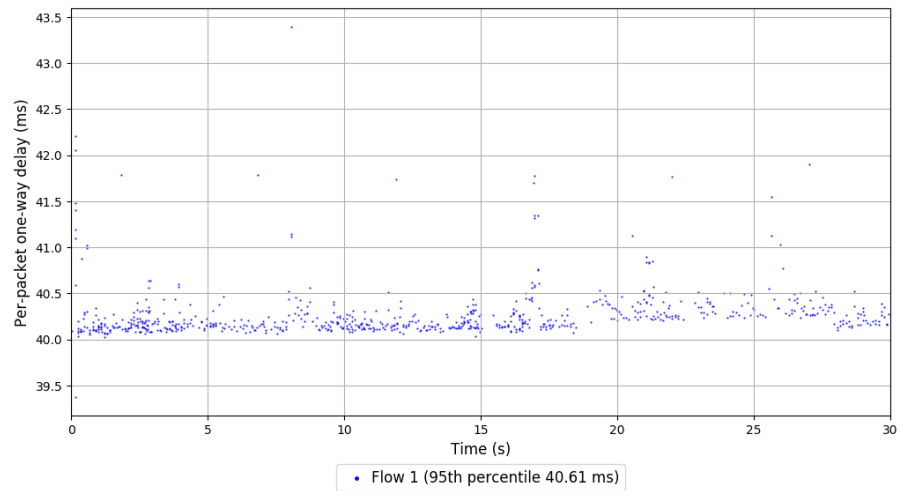
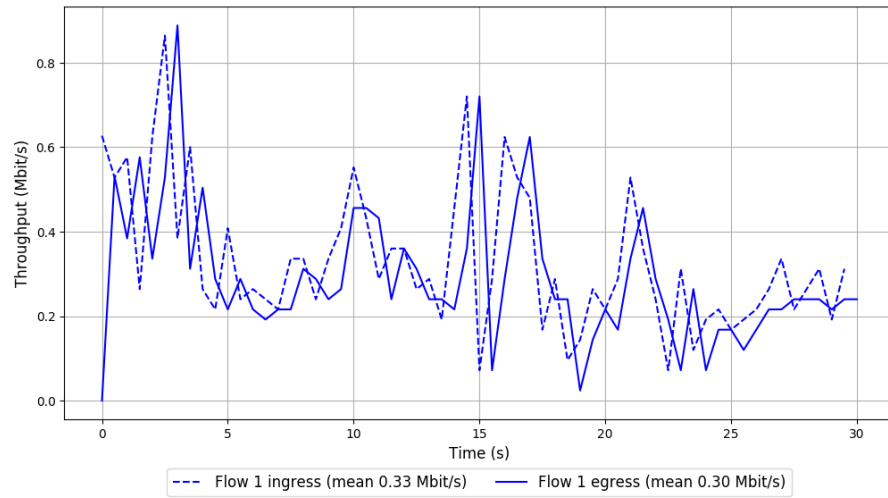


Run 2: Statistics of TCP Vegas

Start at: 2018-06-19 02:27:19
End at: 2018-06-19 02:27:49
Local clock offset: -4.326 ms
Remote clock offset: -2.803 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 40.609 ms
Loss rate: 10.28%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 40.609 ms
Loss rate: 10.28%

Run 2: Report of TCP Vegas — Data Link

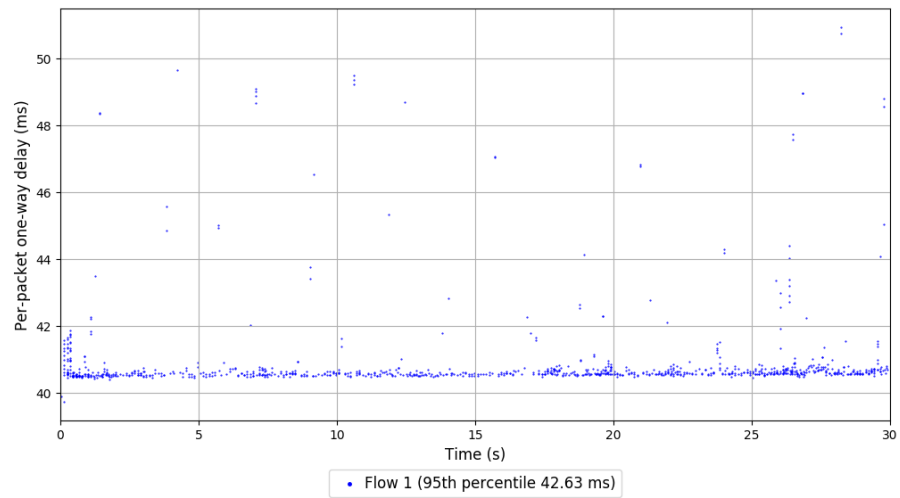
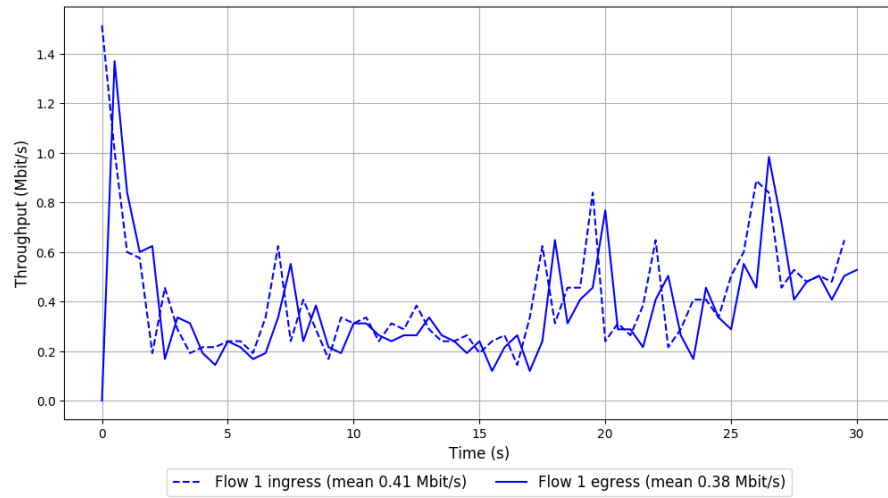


Run 3: Statistics of TCP Vegas

Start at: 2018-06-19 02:56:55
End at: 2018-06-19 02:57:25
Local clock offset: -6.405 ms
Remote clock offset: -1.894 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 42.633 ms
Loss rate: 8.02%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 42.633 ms
Loss rate: 8.02%

Run 3: Report of TCP Vegas — Data Link

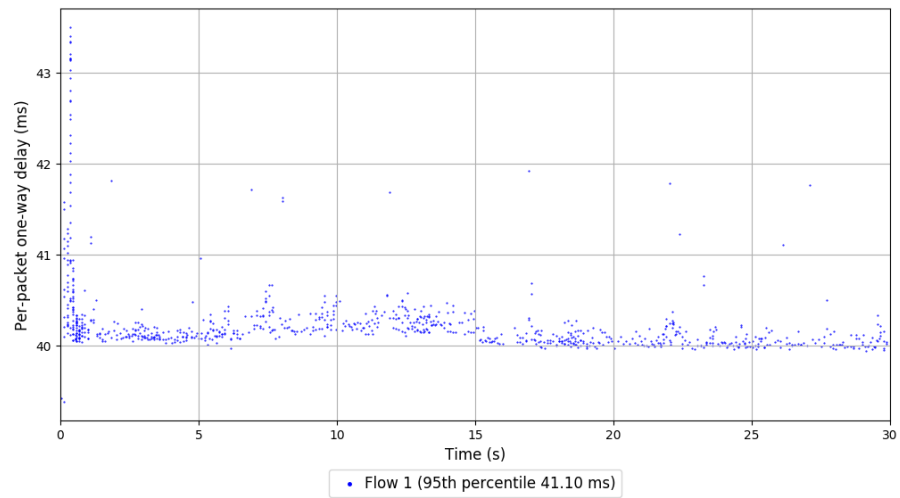
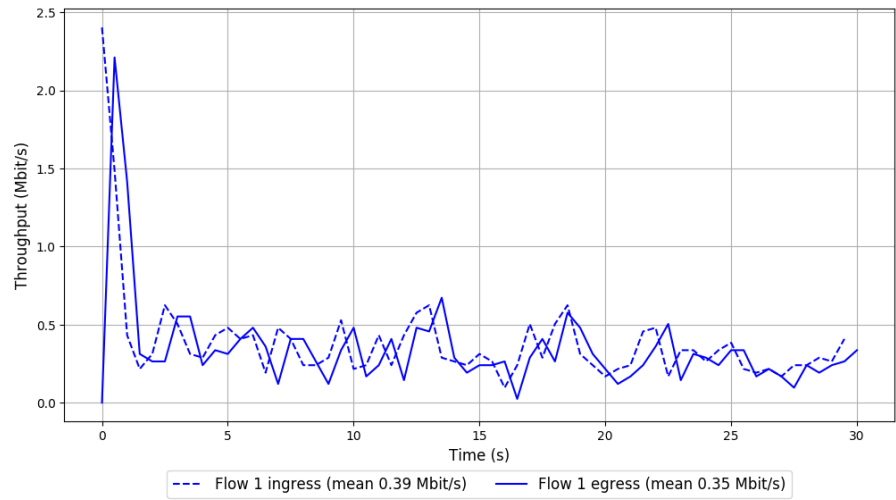


Run 4: Statistics of TCP Vegas

Start at: 2018-06-19 03:25:31
End at: 2018-06-19 03:26:01
Local clock offset: 9.411 ms
Remote clock offset: -1.332 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 41.099 ms
Loss rate: 8.98%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 41.099 ms
Loss rate: 8.98%

Run 4: Report of TCP Vegas — Data Link

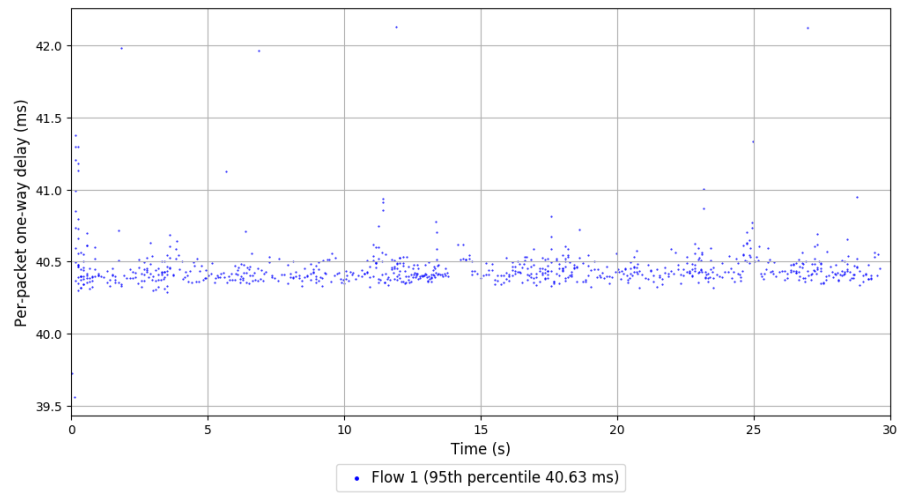
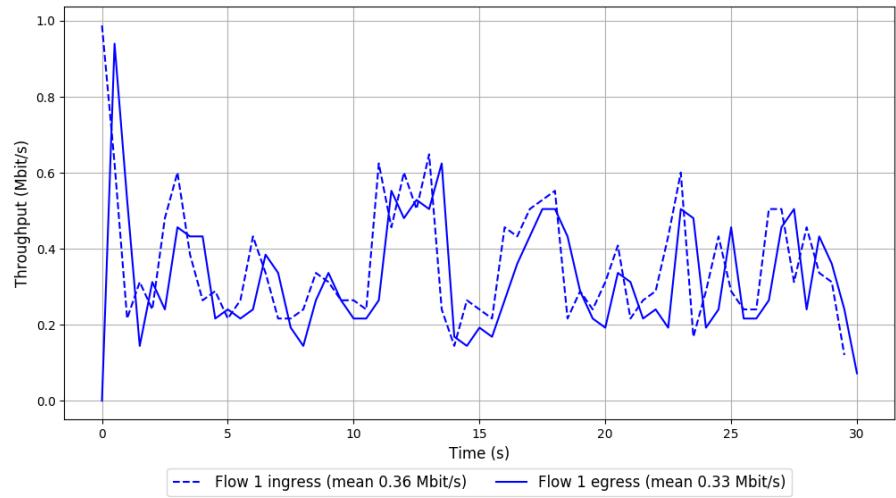


Run 5: Statistics of TCP Vegas

Start at: 2018-06-19 03:55:49
End at: 2018-06-19 03:56:19
Local clock offset: 6.947 ms
Remote clock offset: -1.264 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.632 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.632 ms
Loss rate: 8.67%

Run 5: Report of TCP Vegas — Data Link

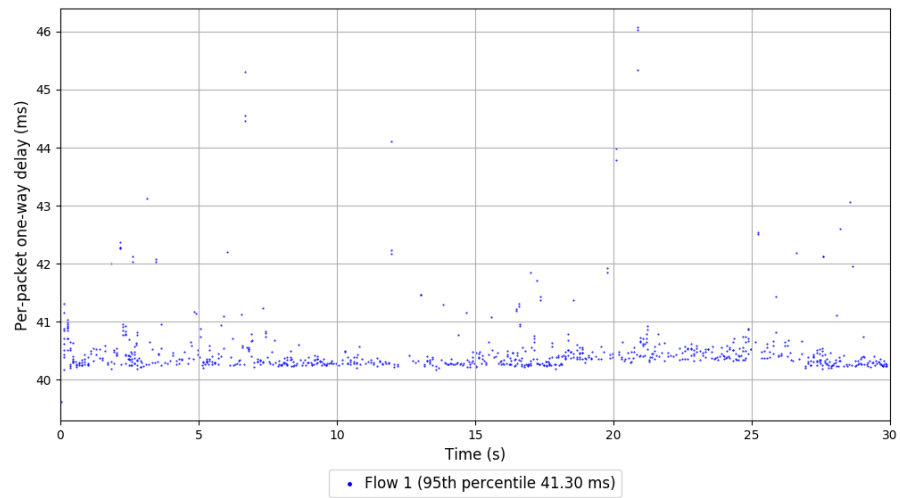
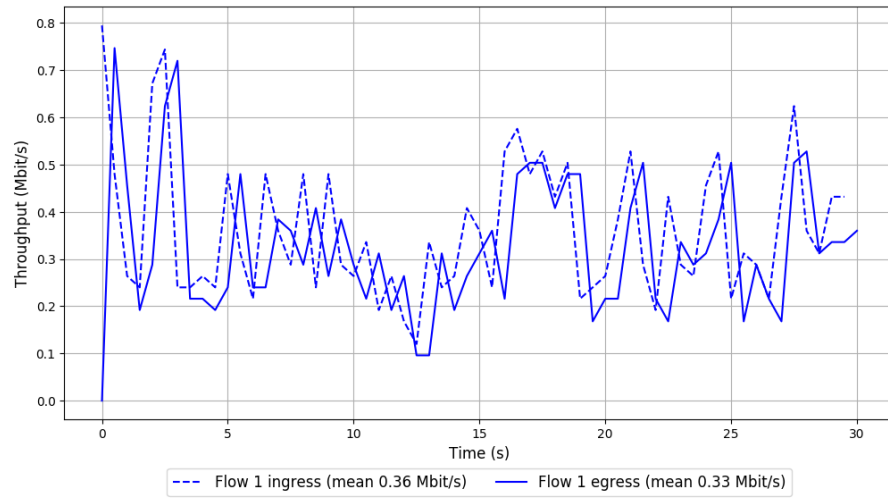


Run 6: Statistics of TCP Vegas

Start at: 2018-06-19 04:25:21
End at: 2018-06-19 04:25:51
Local clock offset: 9.095 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 41.297 ms
Loss rate: 8.72%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 41.297 ms
Loss rate: 8.72%

Run 6: Report of TCP Vegas — Data Link

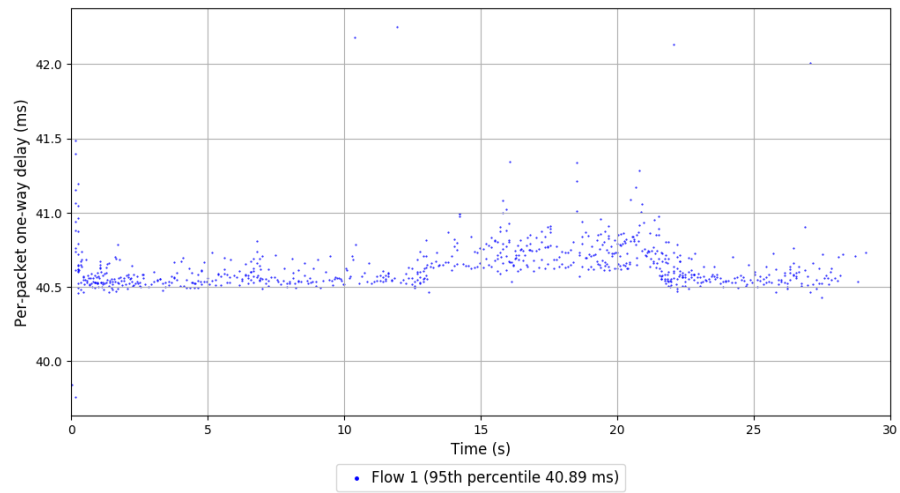
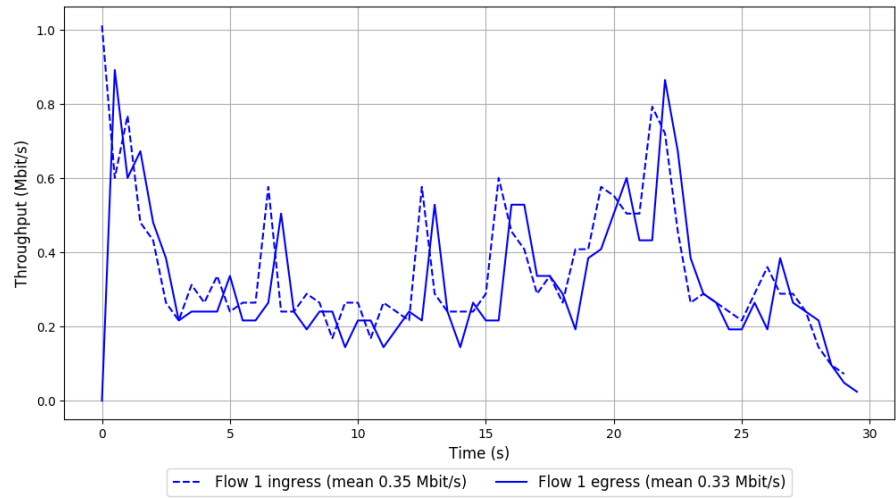


Run 7: Statistics of TCP Vegas

Start at: 2018-06-19 04:55:26
End at: 2018-06-19 04:55:56
Local clock offset: 4.823 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.891 ms
Loss rate: 9.10%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.891 ms
Loss rate: 9.10%

Run 7: Report of TCP Vegas — Data Link

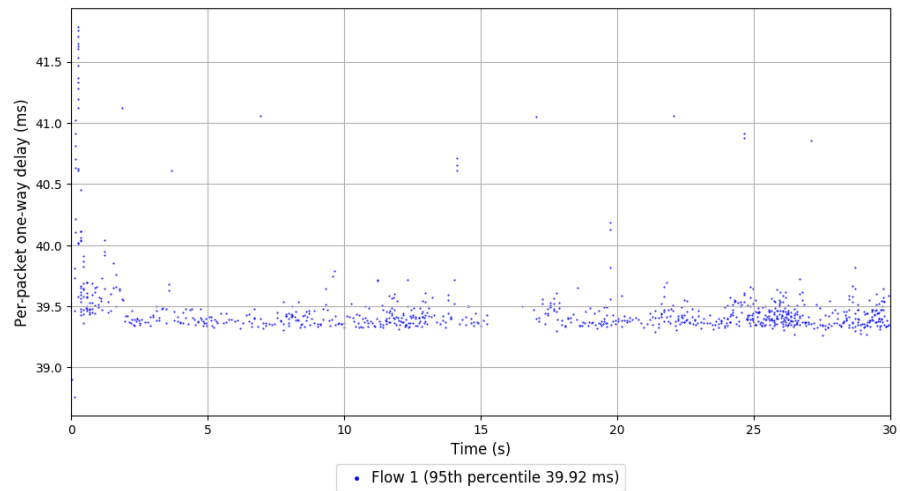
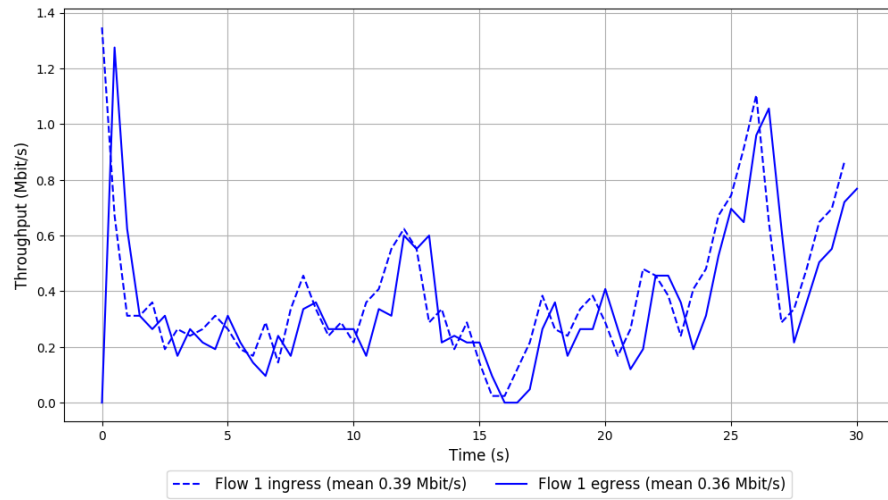


Run 8: Statistics of TCP Vegas

Start at: 2018-06-19 05:25:46
End at: 2018-06-19 05:26:16
Local clock offset: 7.73 ms
Remote clock offset: -1.141 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 39.918 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 39.918 ms
Loss rate: 8.07%

Run 8: Report of TCP Vegas — Data Link

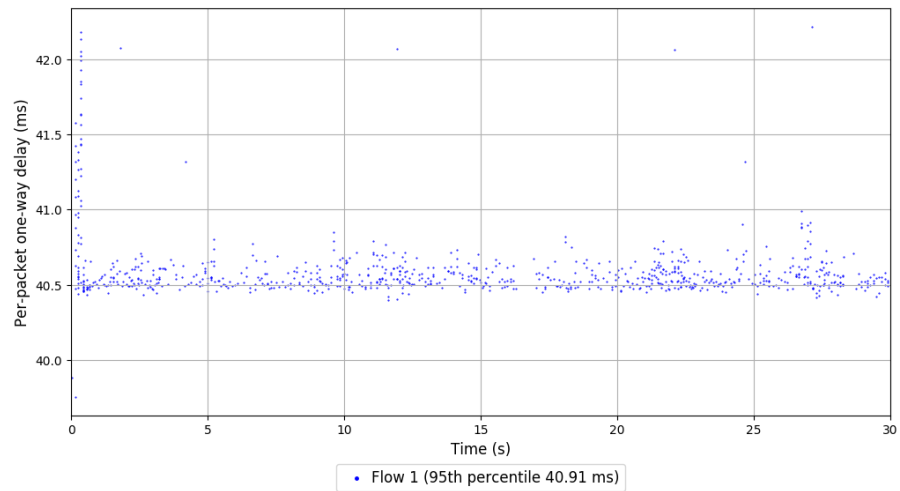
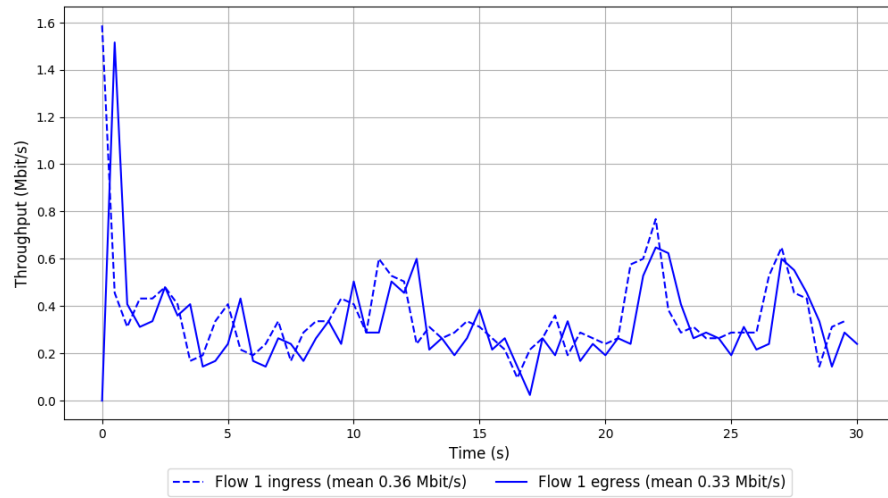


Run 9: Statistics of TCP Vegas

Start at: 2018-06-19 05:56:09
End at: 2018-06-19 05:56:39
Local clock offset: 7.632 ms
Remote clock offset: -1.241 ms

Below is generated by plot.py at 2018-06-19 06:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.905 ms
Loss rate: 8.97%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 40.905 ms
Loss rate: 8.97%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-19 06:26:27

End at: 2018-06-19 06:26:57

Local clock offset: 6.248 ms

Remote clock offset: -2.203 ms

Below is generated by plot.py at 2018-06-19 06:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 42.217 ms

Loss rate: 9.09%

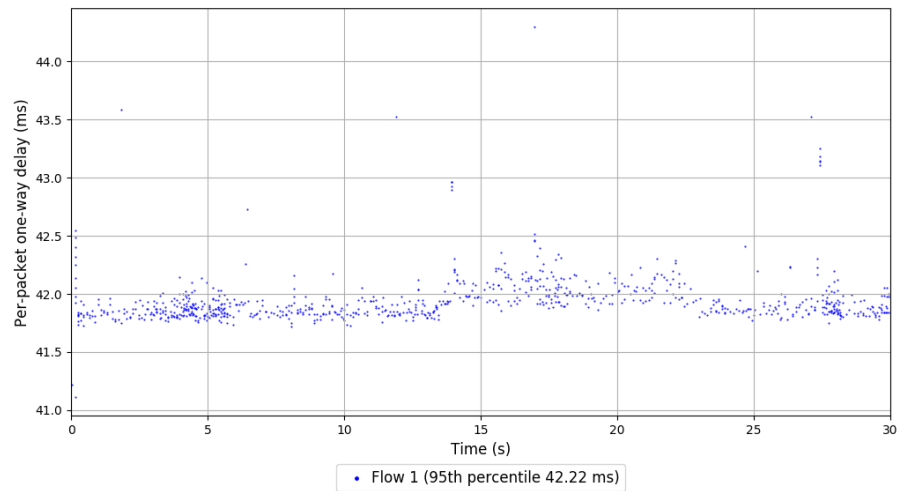
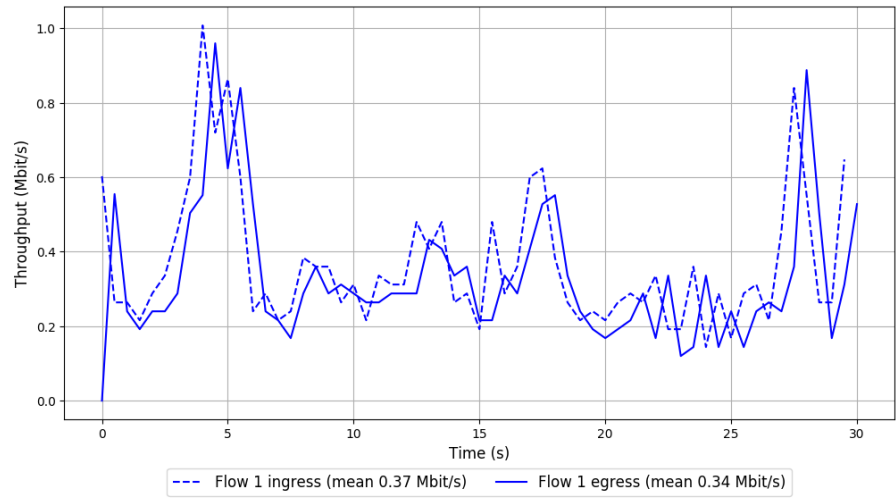
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 42.217 ms

Loss rate: 9.09%

Run 10: Report of TCP Vegas — Data Link

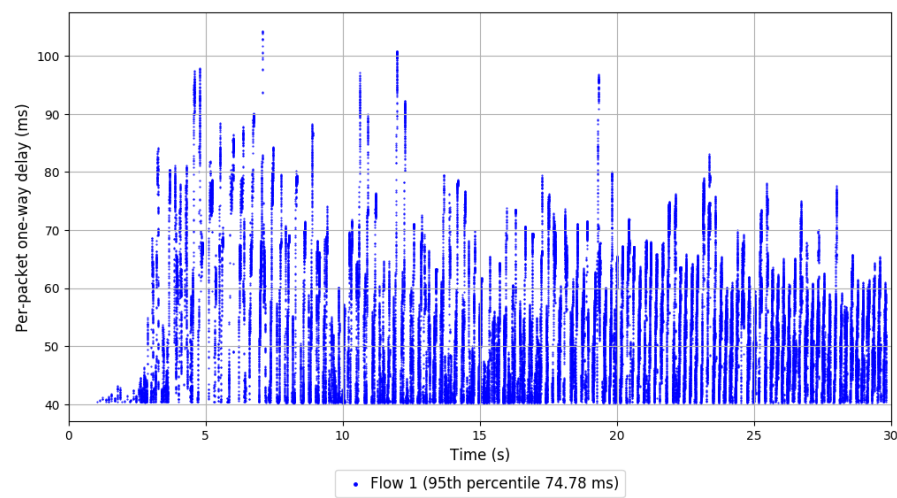
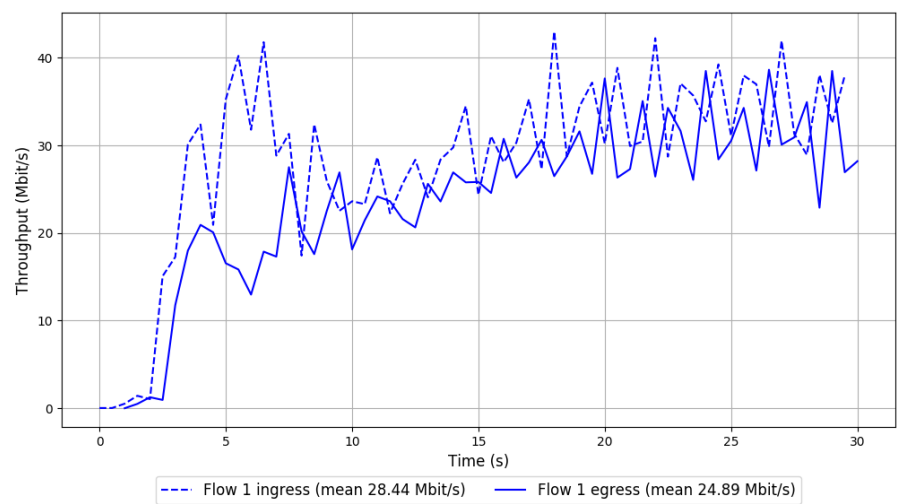


Run 1: Statistics of Verus

Start at: 2018-06-19 01:53:39
End at: 2018-06-19 01:54:09
Local clock offset: 3.329 ms
Remote clock offset: -2.518 ms

Below is generated by plot.py at 2018-06-19 06:44:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 74.785 ms
Loss rate: 15.92%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 74.785 ms
Loss rate: 15.92%

Run 1: Report of Verus — Data Link

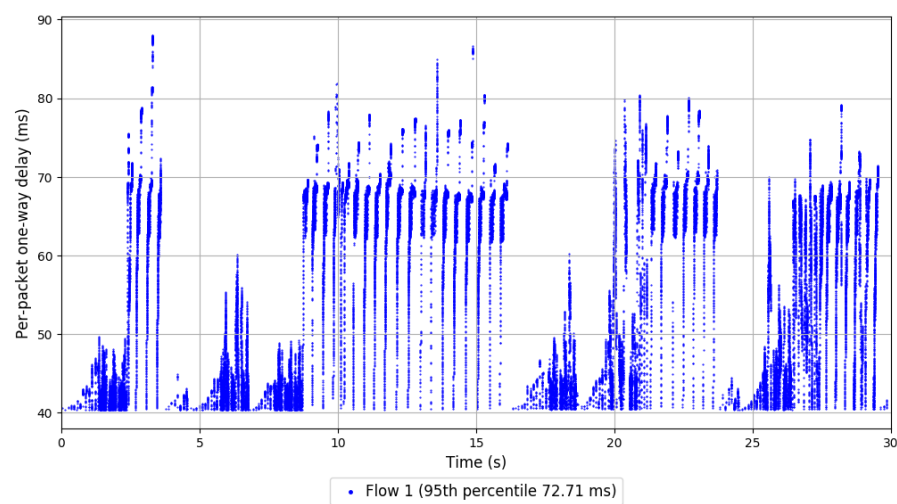
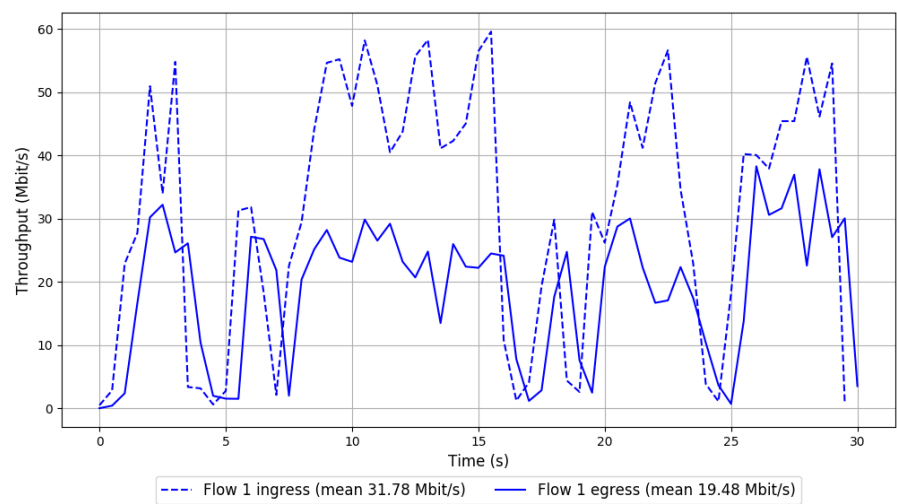


Run 2: Statistics of Verus

Start at: 2018-06-19 02:23:23
End at: 2018-06-19 02:23:53
Local clock offset: -3.859 ms
Remote clock offset: -2.871 ms

Below is generated by plot.py at 2018-06-19 06:44:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 72.707 ms
Loss rate: 38.94%
-- Flow 1:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 72.707 ms
Loss rate: 38.94%

Run 2: Report of Verus — Data Link

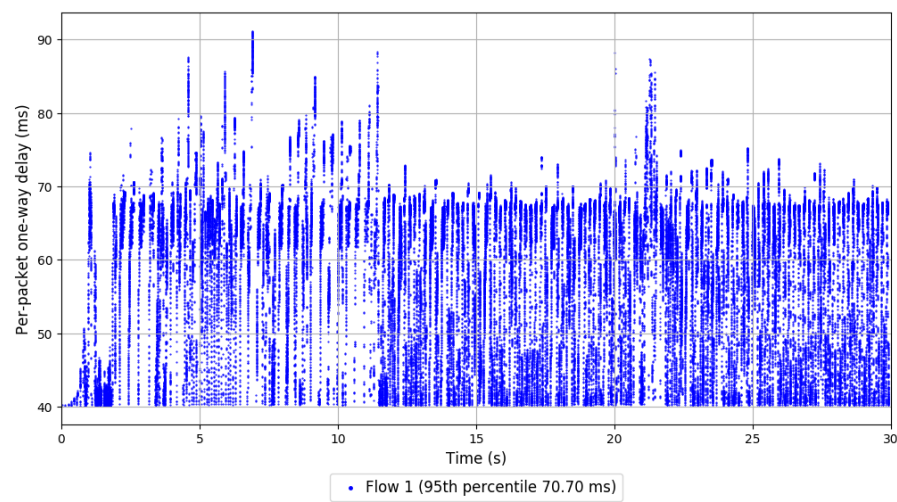
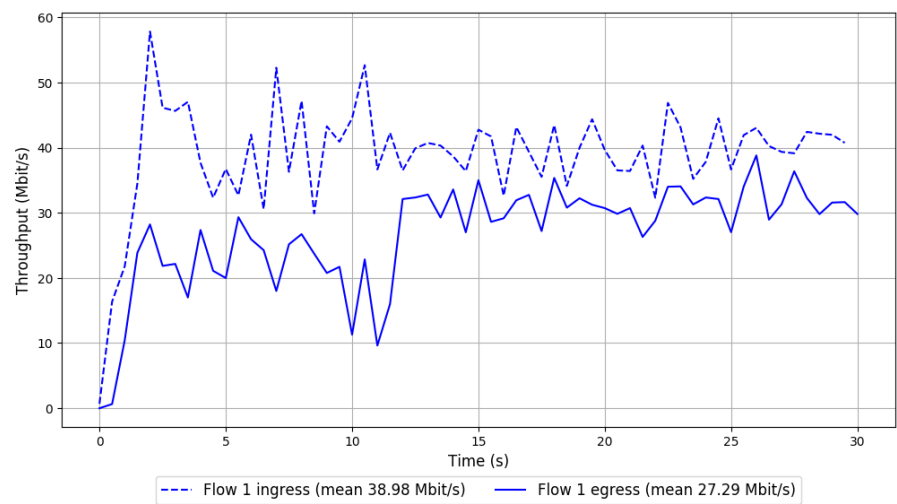


Run 3: Statistics of Verus

Start at: 2018-06-19 02:52:36
End at: 2018-06-19 02:53:06
Local clock offset: -6.065 ms
Remote clock offset: -2.258 ms

Below is generated by plot.py at 2018-06-19 06:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 70.700 ms
Loss rate: 30.23%
-- Flow 1:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 70.700 ms
Loss rate: 30.23%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

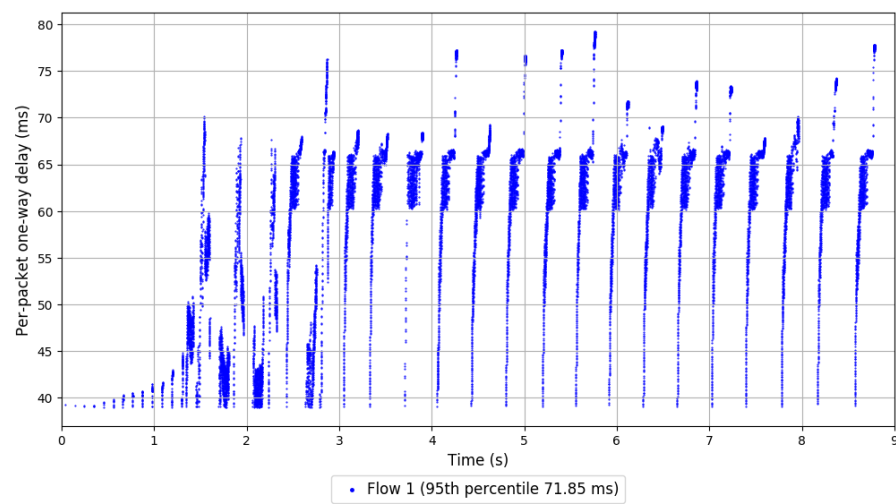
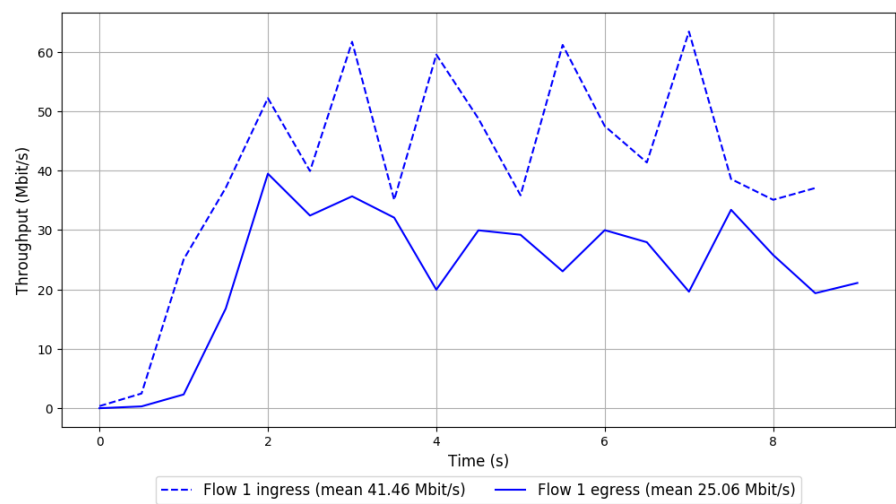
Start at: 2018-06-19 03:22:24

End at: 2018-06-19 03:22:54

Local clock offset: 8.433 ms

Remote clock offset: -1.349 ms

Run 4: Report of Verus — Data Link

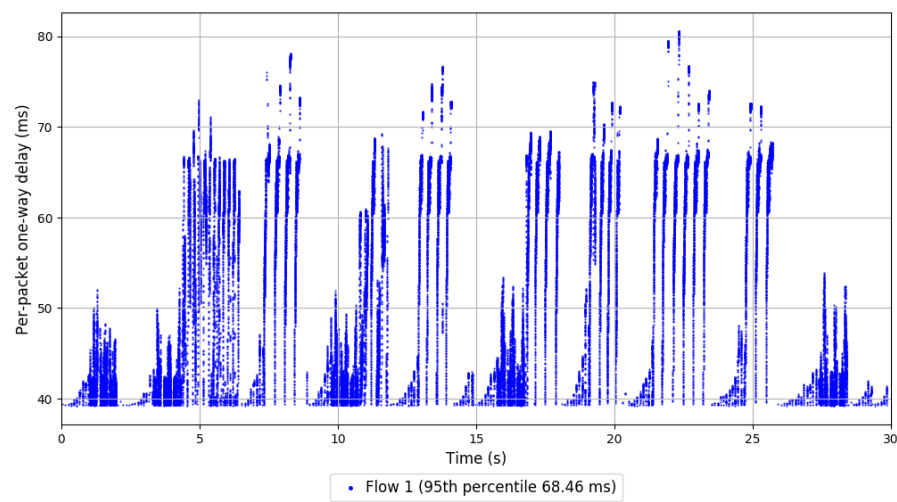
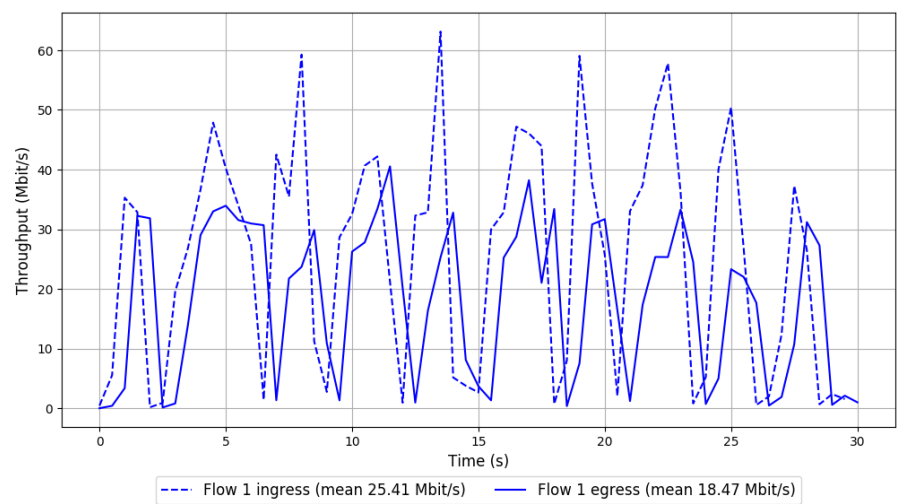


Run 5: Statistics of Verus

Start at: 2018-06-19 03:52:02
End at: 2018-06-19 03:52:32
Local clock offset: 6.724 ms
Remote clock offset: -1.389 ms

Below is generated by plot.py at 2018-06-19 06:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 68.462 ms
Loss rate: 27.56%
-- Flow 1:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 68.462 ms
Loss rate: 27.56%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-19 04:21:06

End at: 2018-06-19 04:21:36

Local clock offset: 8.675 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-06-19 06:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 70.335 ms

Loss rate: 31.46%

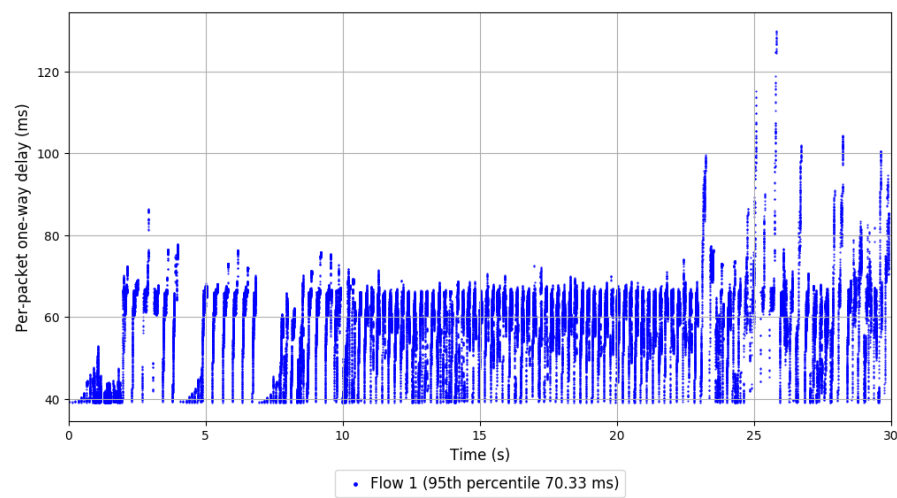
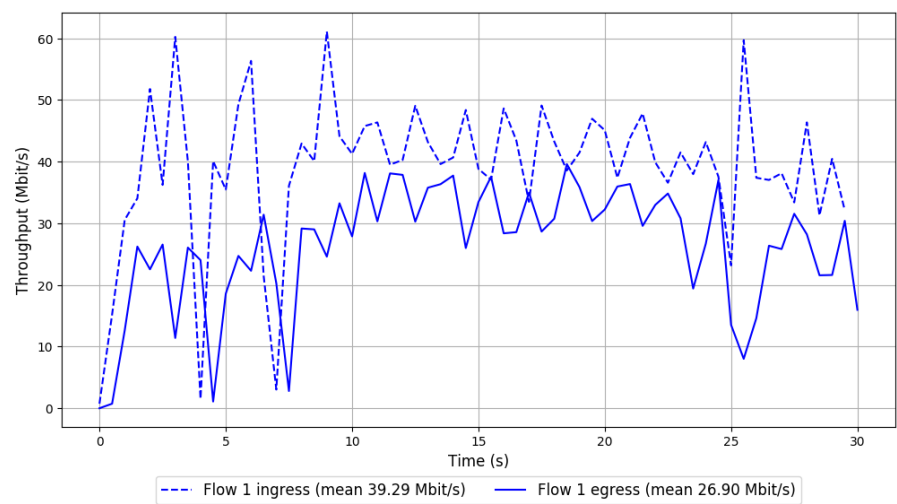
-- Flow 1:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 70.335 ms

Loss rate: 31.46%

Run 6: Report of Verus — Data Link

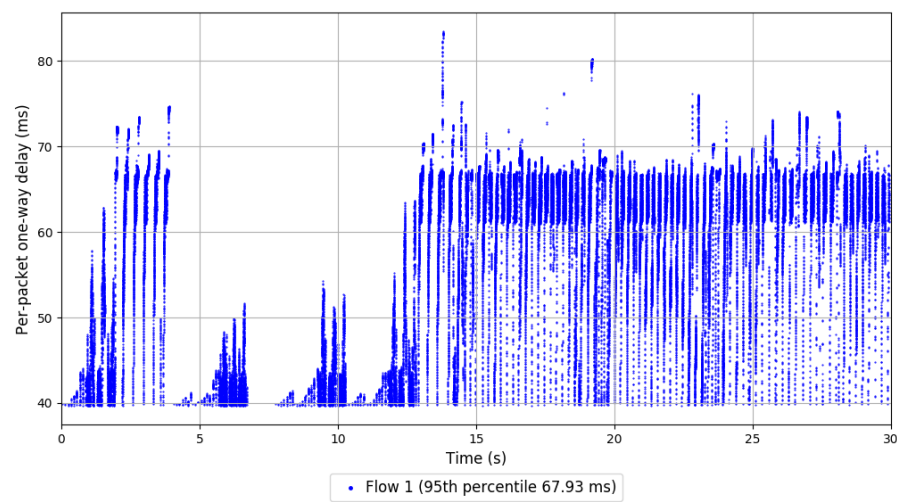
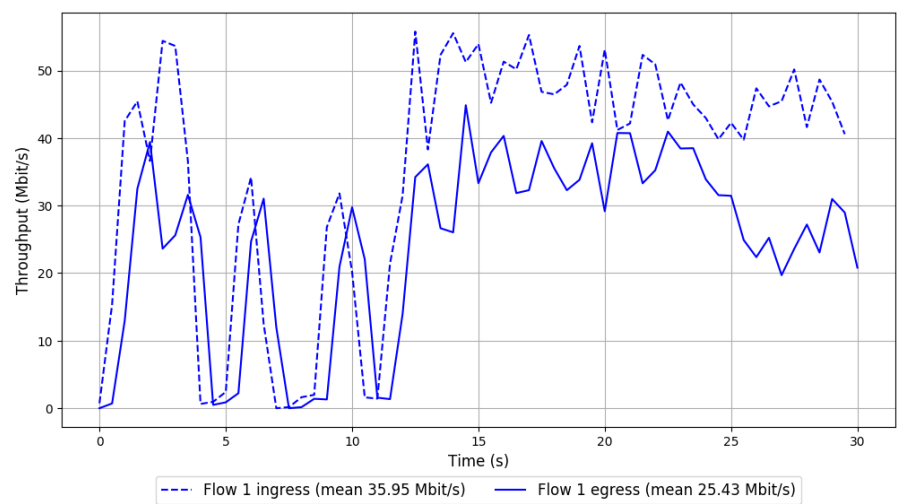


Run 7: Statistics of Verus

Start at: 2018-06-19 04:51:16
End at: 2018-06-19 04:51:46
Local clock offset: 5.045 ms
Remote clock offset: -1.447 ms

Below is generated by plot.py at 2018-06-19 06:45:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 67.928 ms
Loss rate: 29.36%
-- Flow 1:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 67.928 ms
Loss rate: 29.36%

Run 7: Report of Verus — Data Link

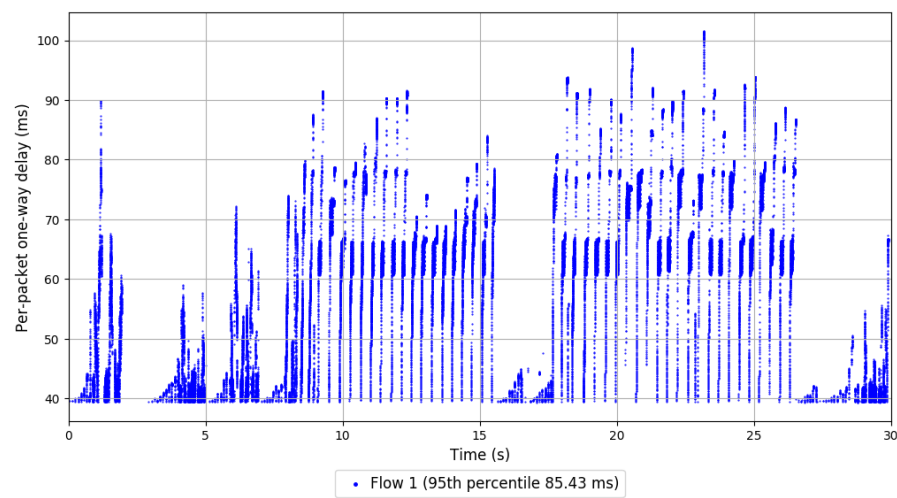
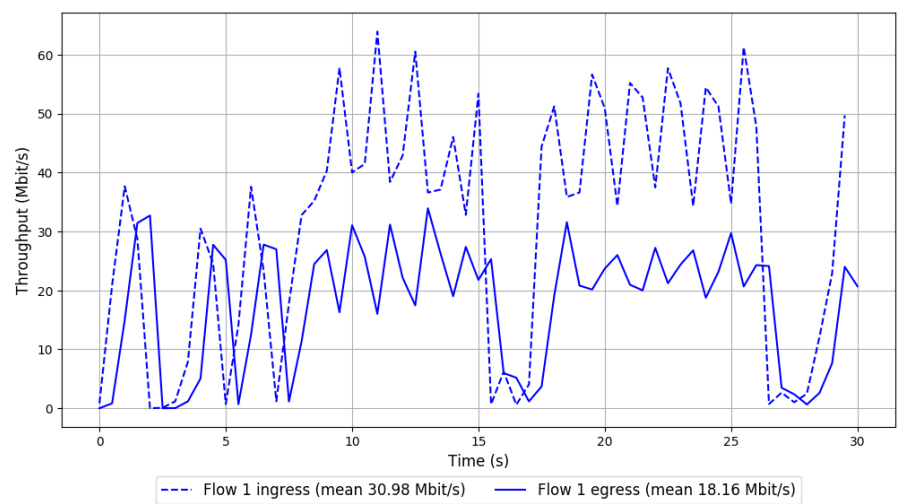


Run 8: Statistics of Verus

Start at: 2018-06-19 05:22:01
End at: 2018-06-19 05:22:31
Local clock offset: 7.625 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-06-19 06:45:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 85.432 ms
Loss rate: 41.64%
-- Flow 1:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 85.432 ms
Loss rate: 41.64%

Run 8: Report of Verus — Data Link

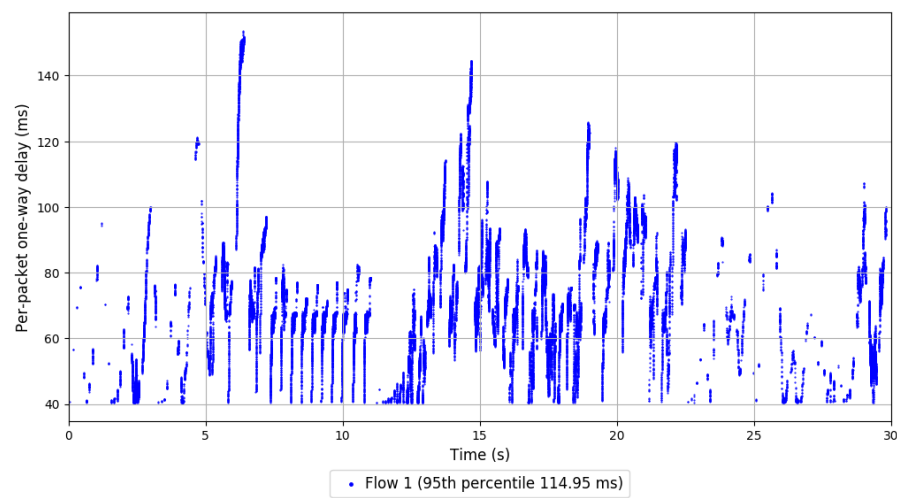
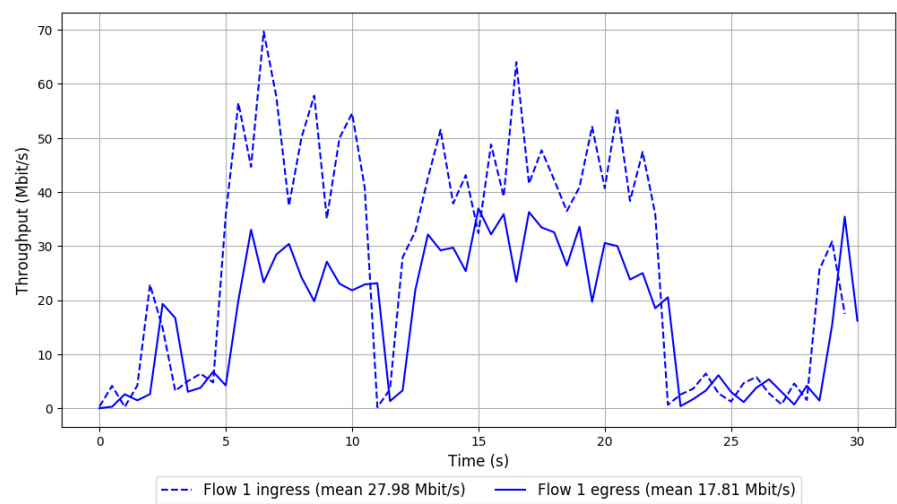


Run 9: Statistics of Verus

Start at: 2018-06-19 05:52:20
End at: 2018-06-19 05:52:50
Local clock offset: 7.52 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-06-19 06:45:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 114.954 ms
Loss rate: 36.48%
-- Flow 1:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 114.954 ms
Loss rate: 36.48%

Run 9: Report of Verus — Data Link

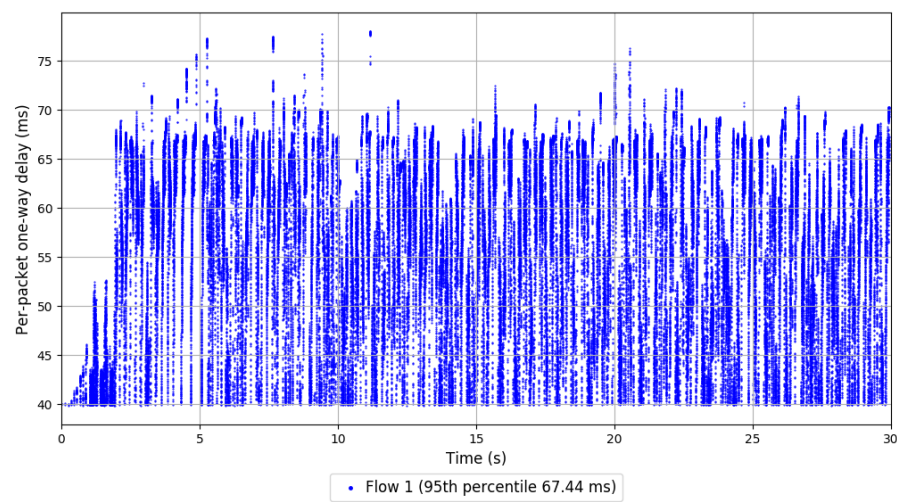
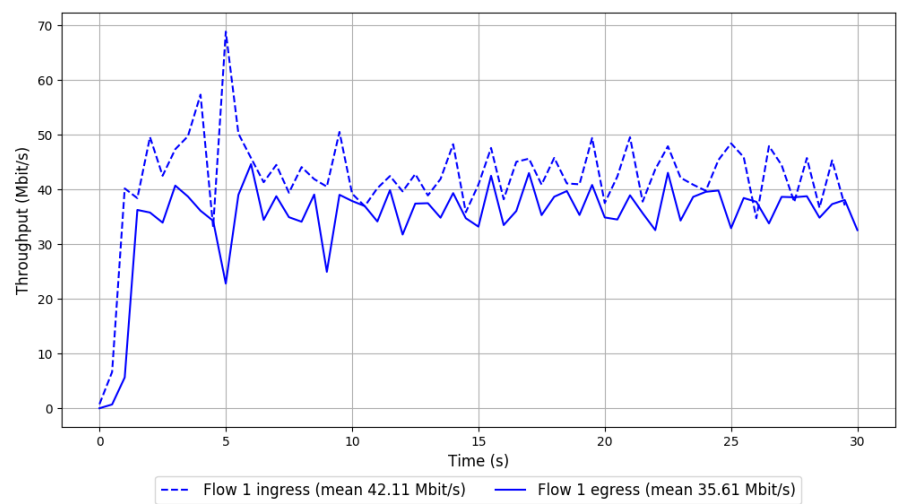


Run 10: Statistics of Verus

Start at: 2018-06-19 06:21:58
End at: 2018-06-19 06:22:28
Local clock offset: 6.109 ms
Remote clock offset: -1.883 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 67.445 ms
Loss rate: 15.66%
-- Flow 1:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 67.445 ms
Loss rate: 15.66%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-19 02:00:55

End at: 2018-06-19 02:01:25

Local clock offset: 4.0 ms

Remote clock offset: -2.516 ms

Below is generated by plot.py at 2018-06-19 06:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 39.472 ms

Loss rate: 7.94%

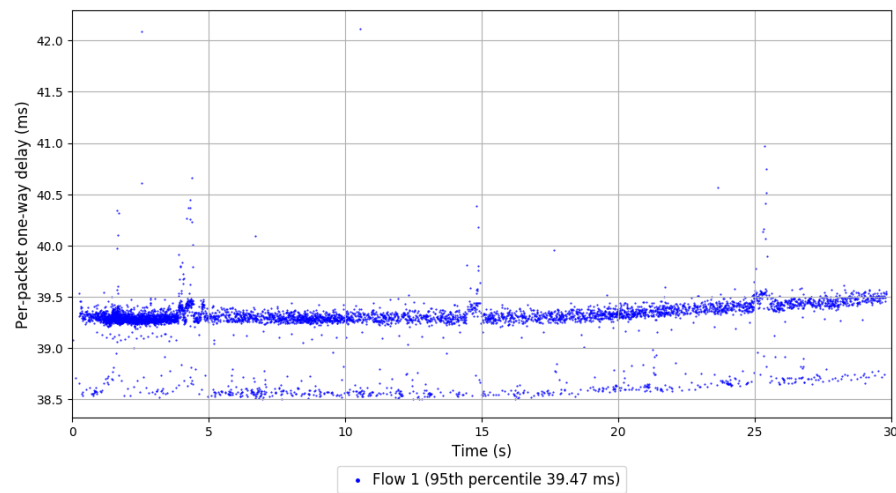
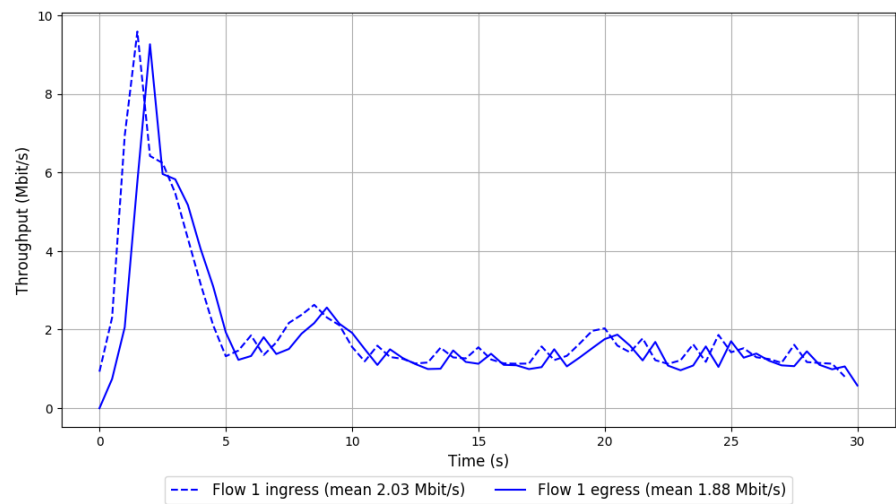
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 39.472 ms

Loss rate: 7.94%

Run 1: Report of PCC-Vivace — Data Link

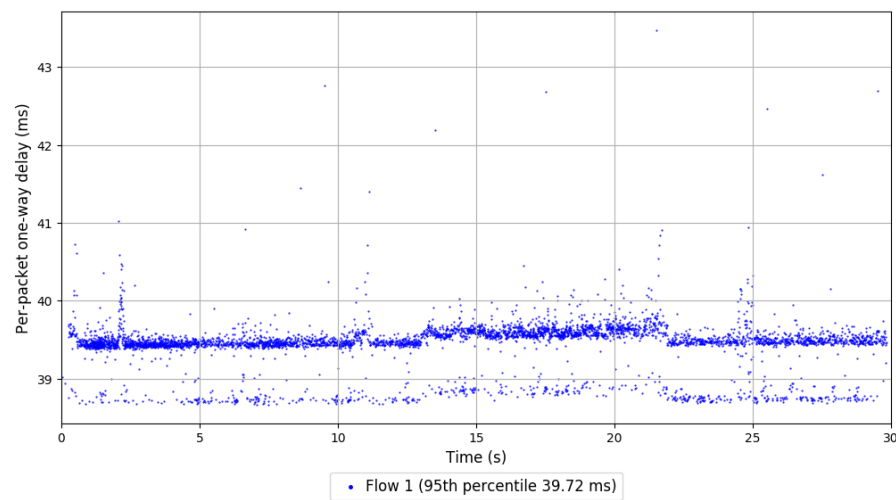
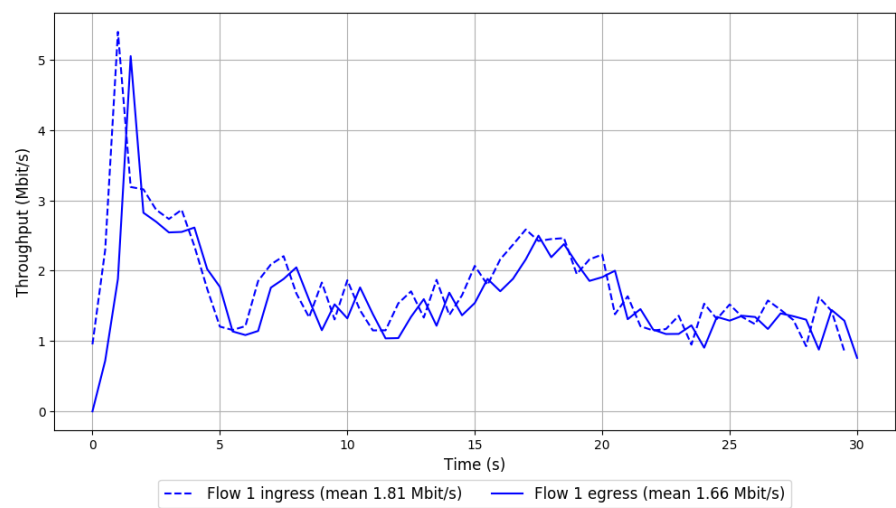


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-19 02:30:25
End at: 2018-06-19 02:30:55
Local clock offset: -4.369 ms
Remote clock offset: -2.889 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 39.719 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 39.719 ms
Loss rate: 8.39%

Run 2: Report of PCC-Vivace — Data Link

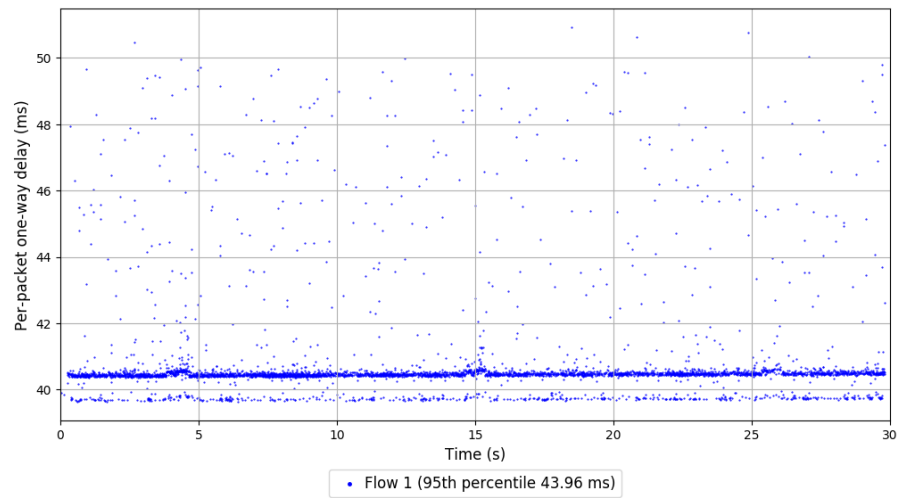
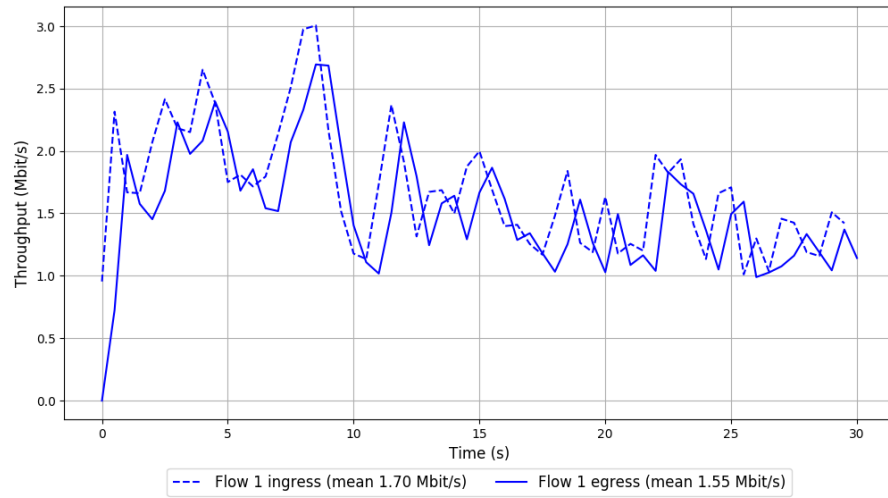


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-19 02:59:59
End at: 2018-06-19 03:00:29
Local clock offset: -6.733 ms
Remote clock offset: -1.745 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 43.958 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 43.958 ms
Loss rate: 8.75%

Run 3: Report of PCC-Vivace — Data Link

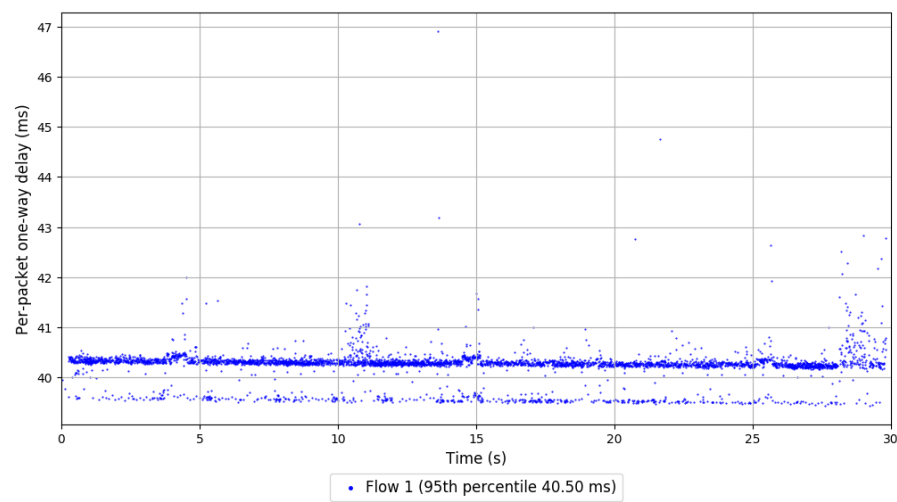
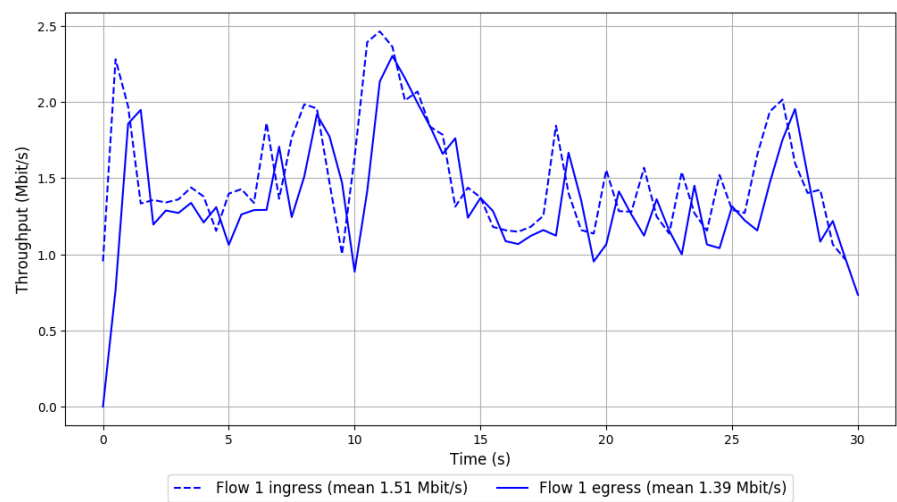


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-19 03:29:00
End at: 2018-06-19 03:29:31
Local clock offset: 10.154 ms
Remote clock offset: -1.407 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 40.496 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 40.496 ms
Loss rate: 8.67%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-19 03:59:06

End at: 2018-06-19 03:59:36

Local clock offset: 7.093 ms

Remote clock offset: -1.018 ms

Below is generated by plot.py at 2018-06-19 06:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 39.817 ms

Loss rate: 7.08%

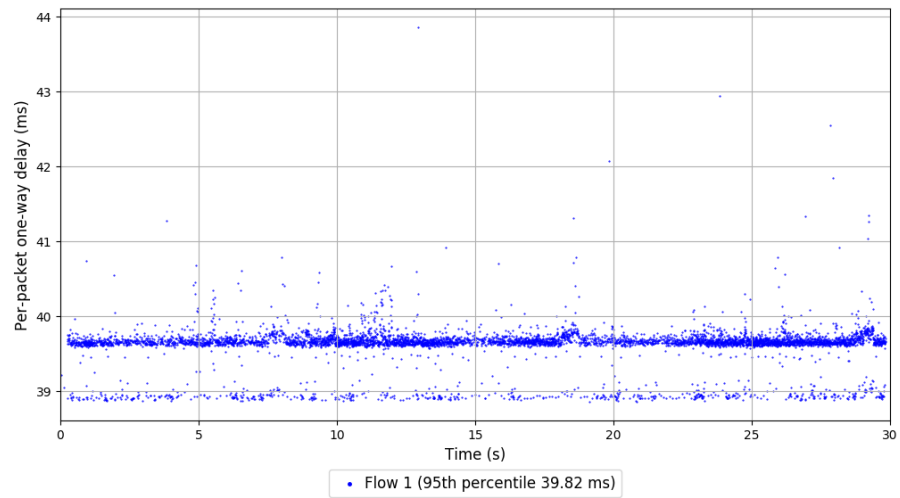
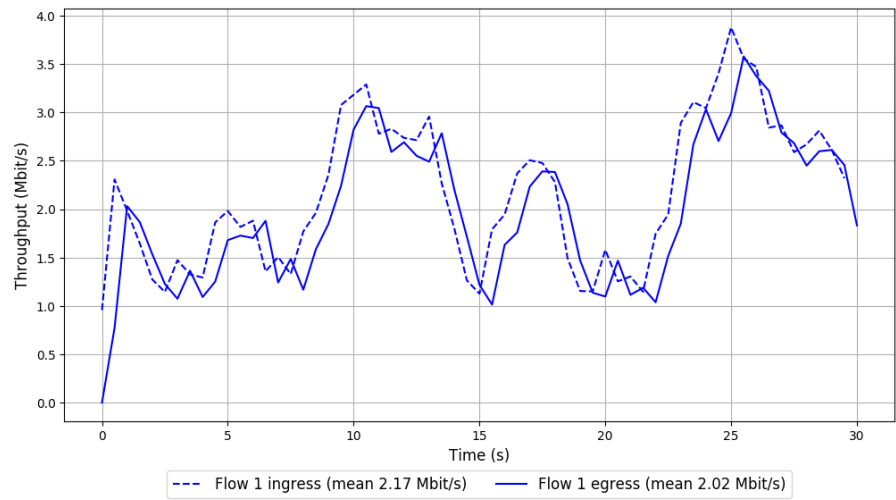
-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 39.817 ms

Loss rate: 7.08%

Run 5: Report of PCC-Vivace — Data Link

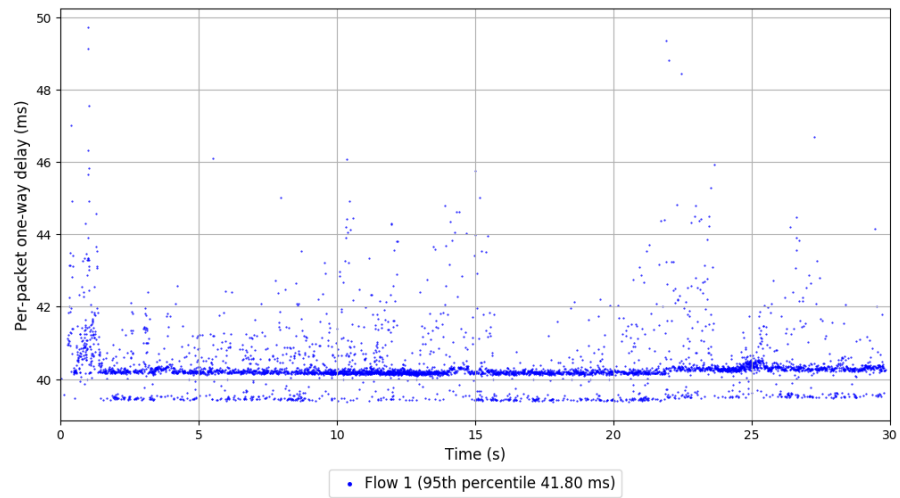
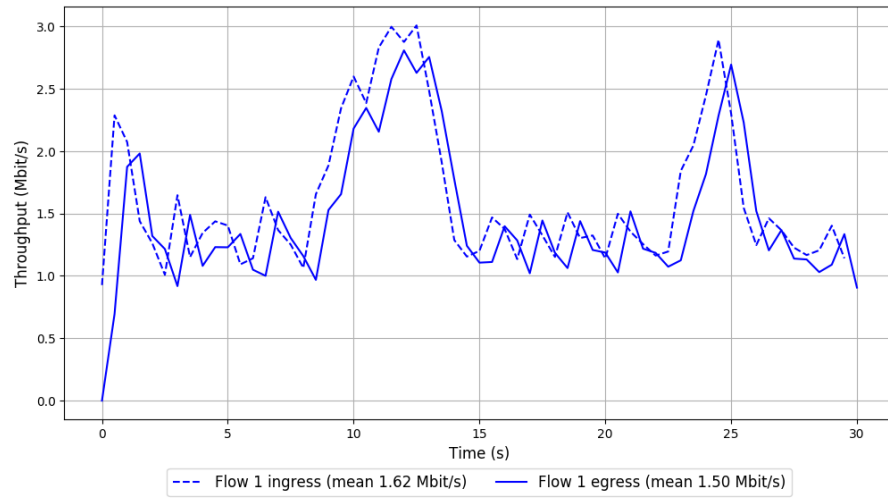


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-19 04:28:17
End at: 2018-06-19 04:28:47
Local clock offset: 9.23 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 41.797 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 41.797 ms
Loss rate: 8.16%

Run 6: Report of PCC-Vivace — Data Link

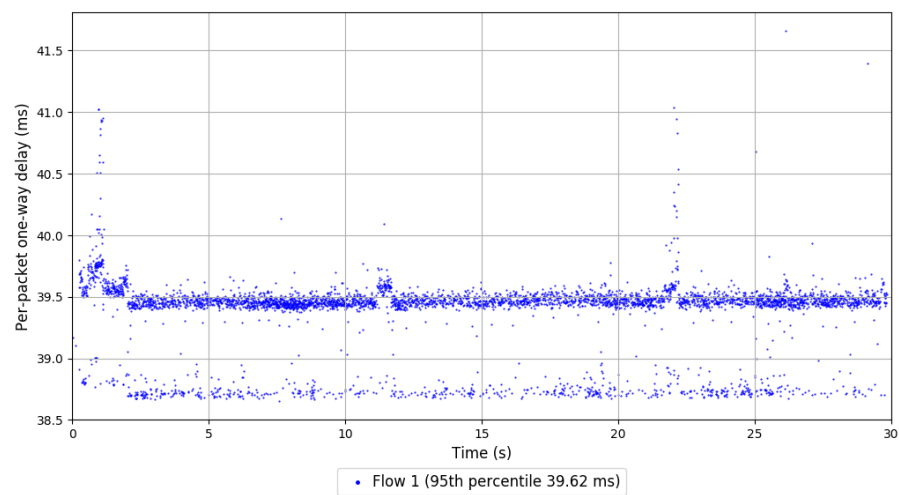
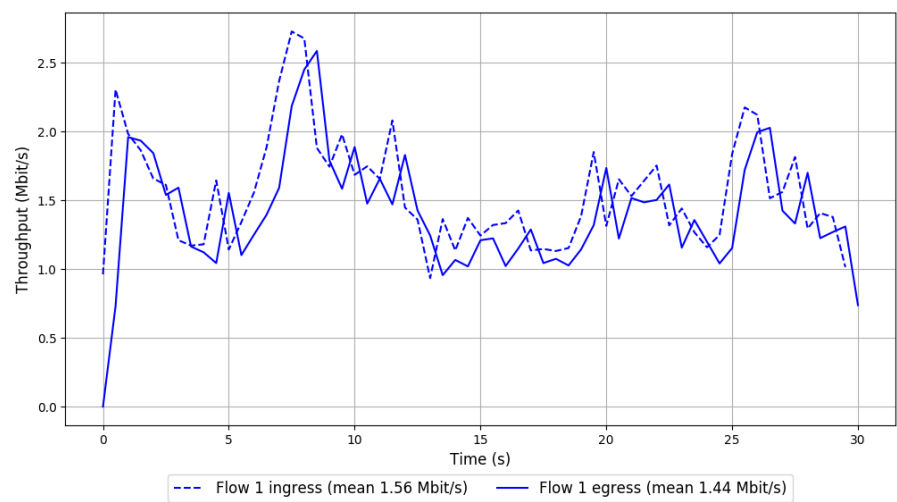


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-19 04:58:45
End at: 2018-06-19 04:59:15
Local clock offset: 4.878 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 39.617 ms
Loss rate: 8.12%
-- Flow 1:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 39.617 ms
Loss rate: 8.12%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-19 05:29:07

End at: 2018-06-19 05:29:37

Local clock offset: 7.975 ms

Remote clock offset: -1.101 ms

Below is generated by plot.py at 2018-06-19 06:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 40.424 ms

Loss rate: 6.59%

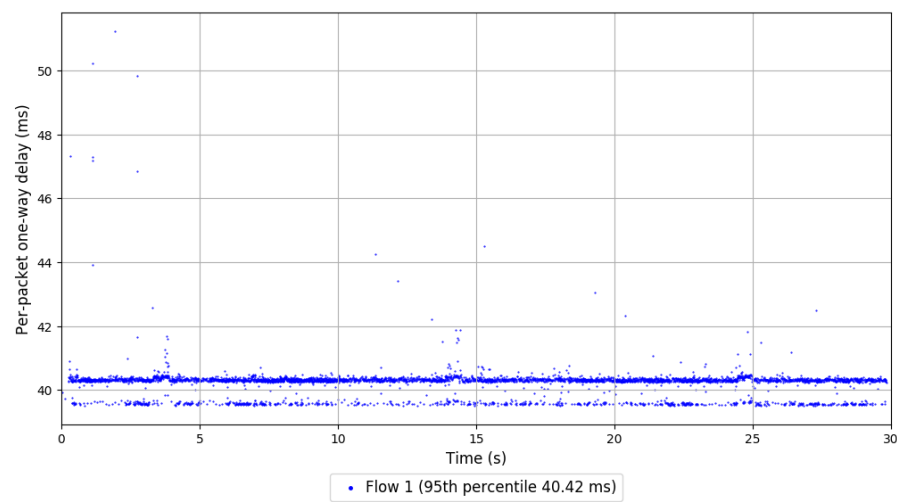
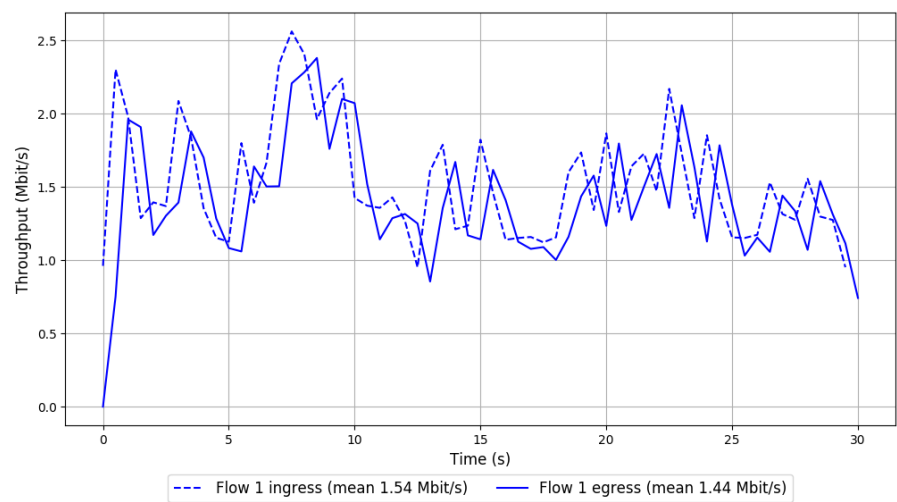
-- Flow 1:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 40.424 ms

Loss rate: 6.59%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-19 05:59:27

End at: 2018-06-19 05:59:57

Local clock offset: 7.691 ms

Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-06-19 06:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 41.680 ms

Loss rate: 8.09%

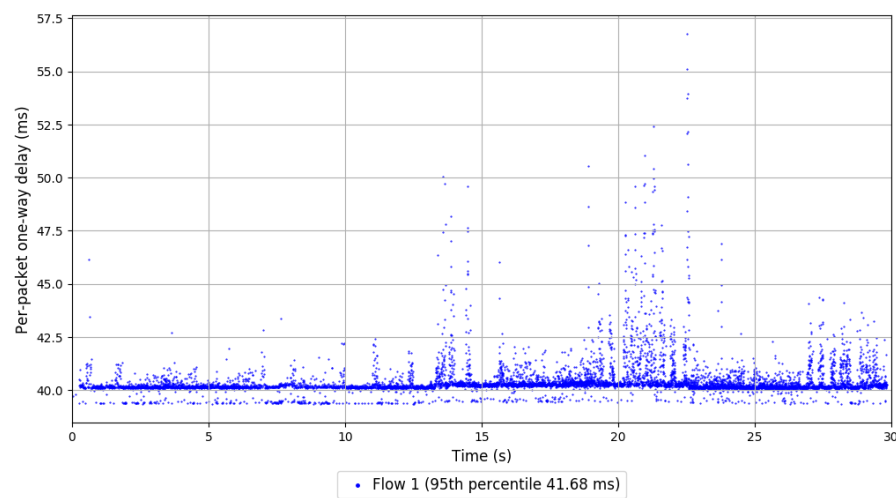
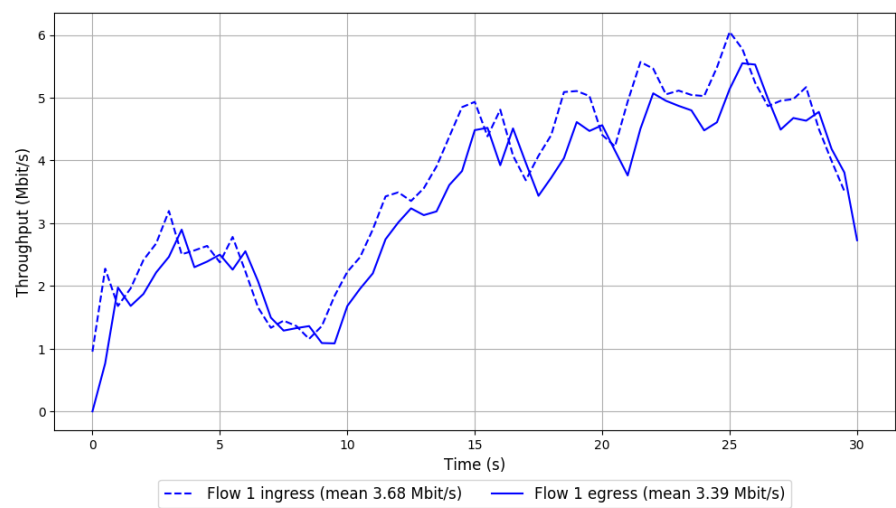
-- Flow 1:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 41.680 ms

Loss rate: 8.09%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-19 06:29:47

End at: 2018-06-19 06:30:17

Local clock offset: 6.087 ms

Remote clock offset: -0.995 ms

Below is generated by plot.py at 2018-06-19 06:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 39.429 ms

Loss rate: 8.14%

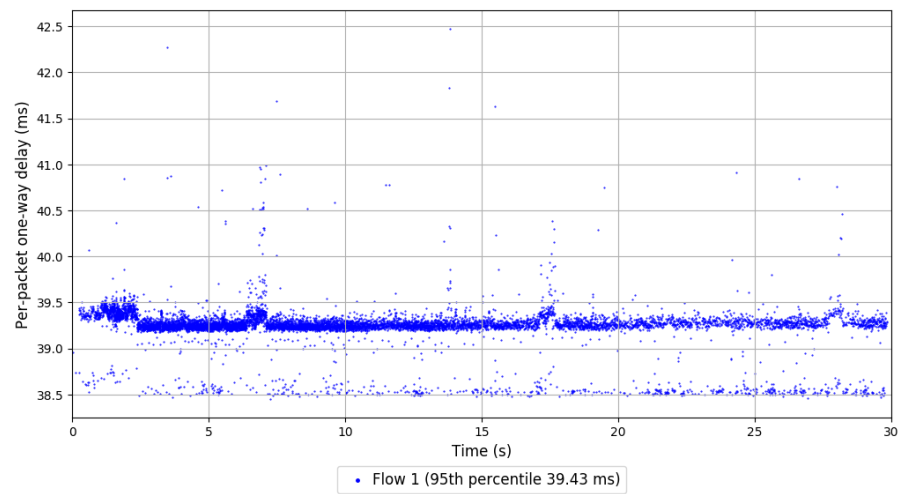
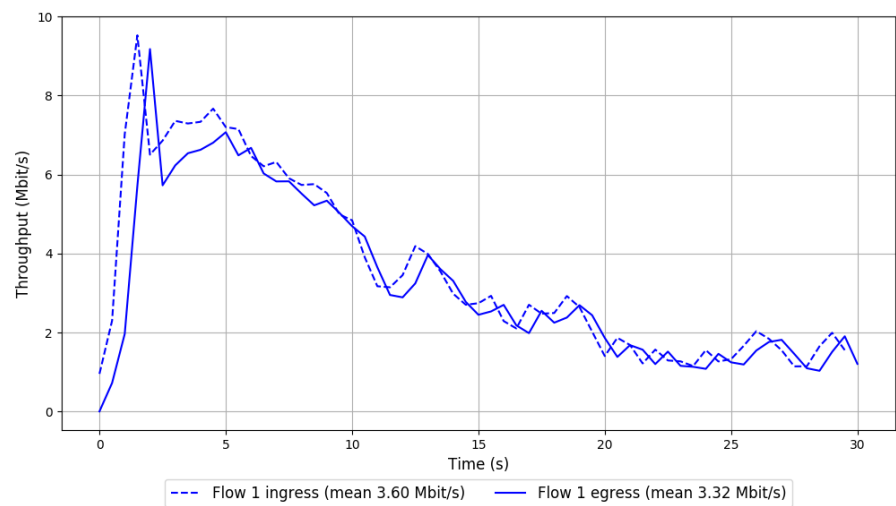
-- Flow 1:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 39.429 ms

Loss rate: 8.14%

Run 10: Report of PCC-Vivace — Data Link

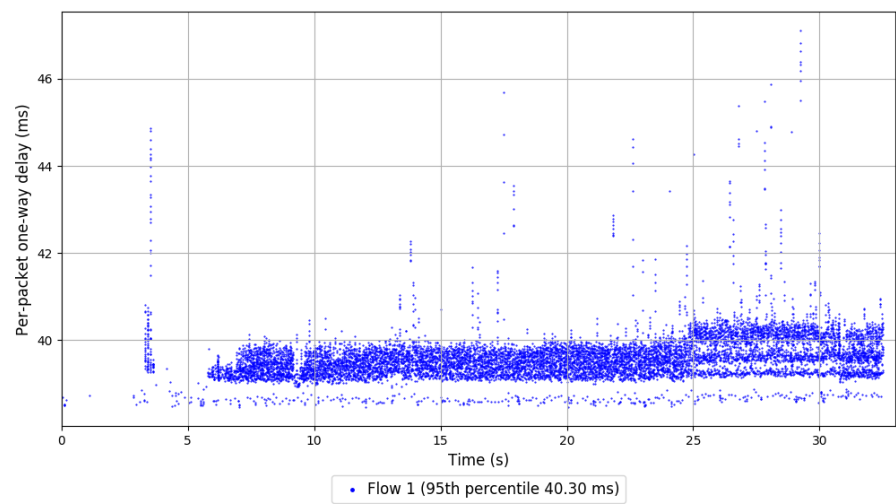
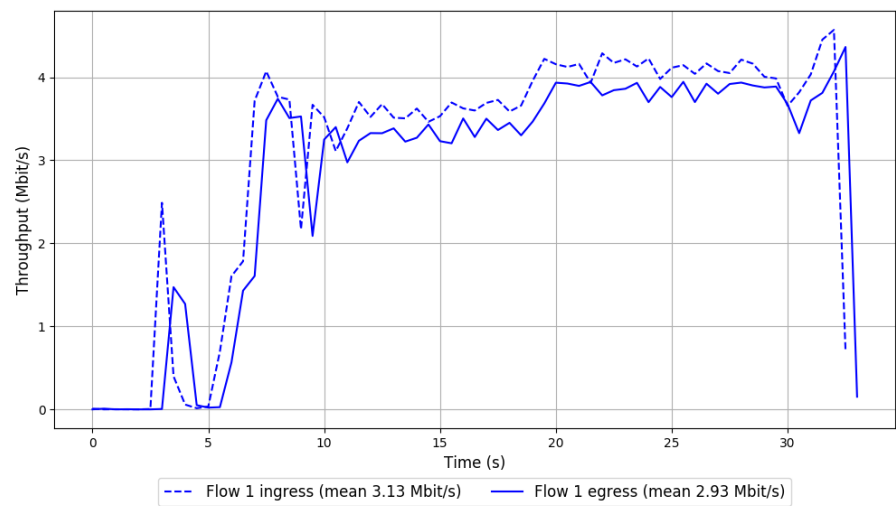


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-19 01:56:15
End at: 2018-06-19 01:56:45
Local clock offset: 3.611 ms
Remote clock offset: -2.511 ms

# Below is generated by plot.py at 2018-06-19 06:45:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 40.297 ms
Loss rate: 6.87%
-- Flow 1:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 40.297 ms
Loss rate: 6.87%
```

Run 1: Report of WebRTC media — Data Link

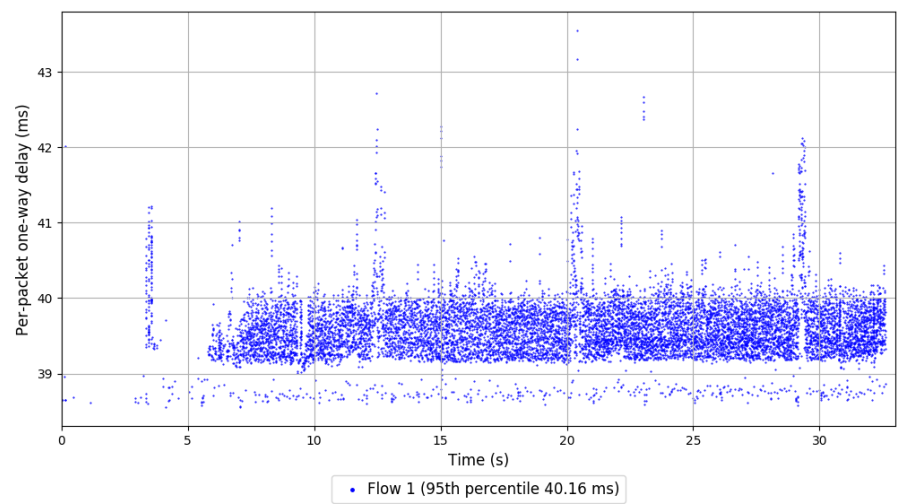
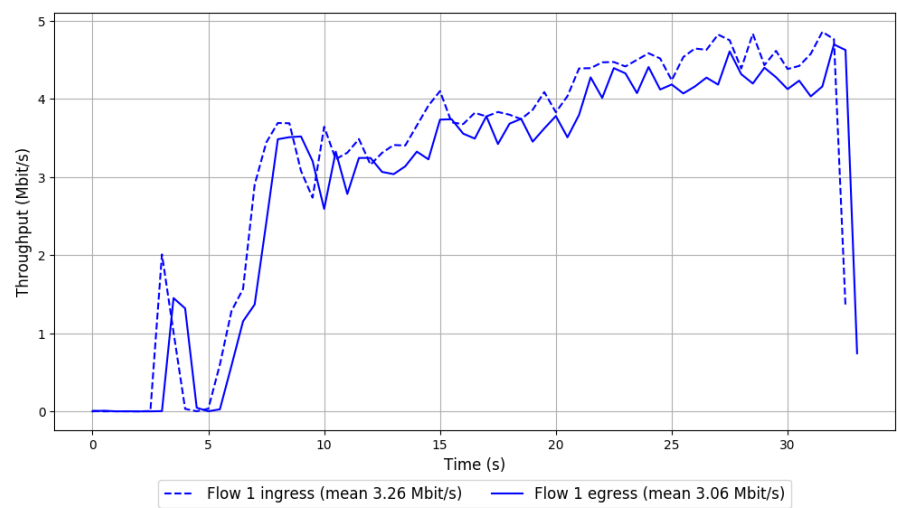


Run 2: Statistics of WebRTC media

Start at: 2018-06-19 02:25:54
End at: 2018-06-19 02:26:24
Local clock offset: -4.047 ms
Remote clock offset: -2.861 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 40.155 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 40.155 ms
Loss rate: 6.38%

Run 2: Report of WebRTC media — Data Link

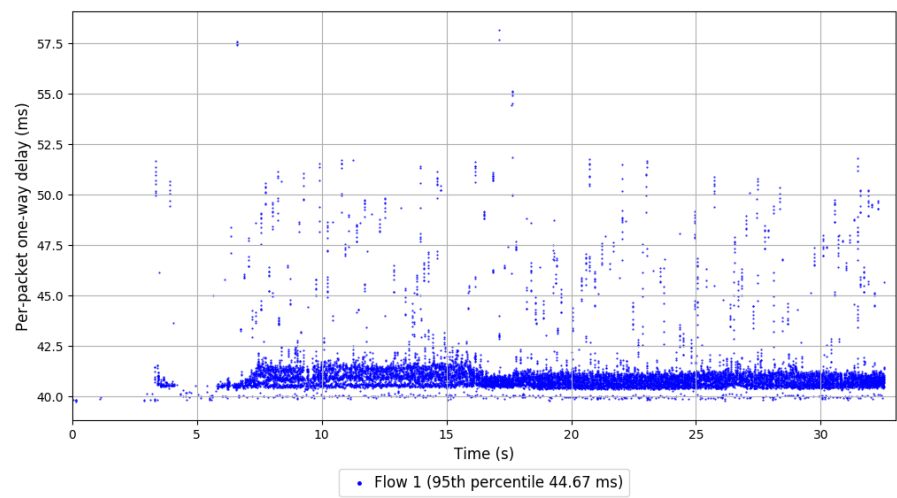
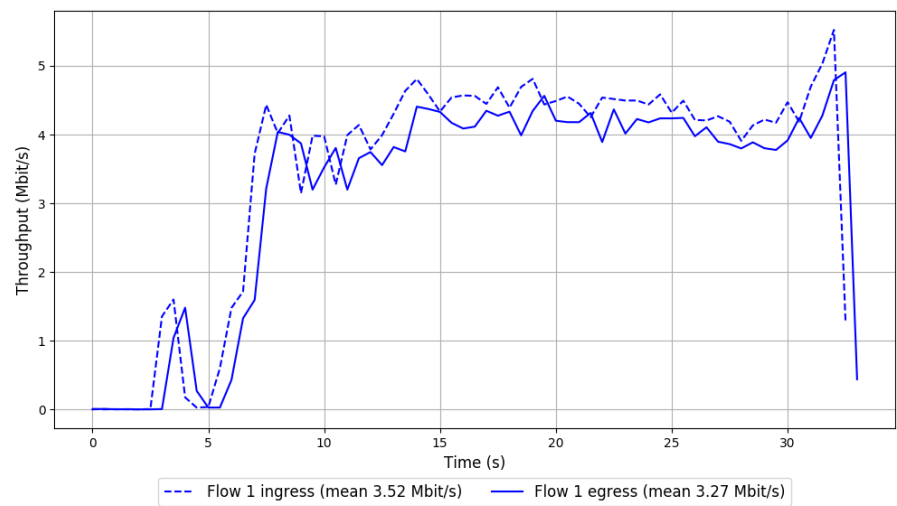


Run 3: Statistics of WebRTC media

Start at: 2018-06-19 02:55:33
End at: 2018-06-19 02:56:03
Local clock offset: -6.372 ms
Remote clock offset: -2.067 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 44.668 ms
Loss rate: 7.34%
-- Flow 1:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 44.668 ms
Loss rate: 7.34%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-19 03:24:10

End at: 2018-06-19 03:24:40

Local clock offset: 8.791 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at 2018-06-19 06:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 39.612 ms

Loss rate: 6.98%

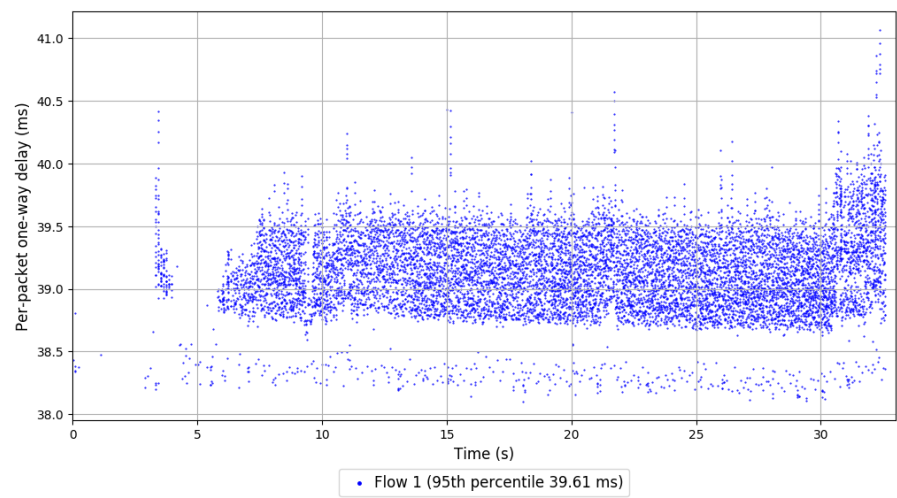
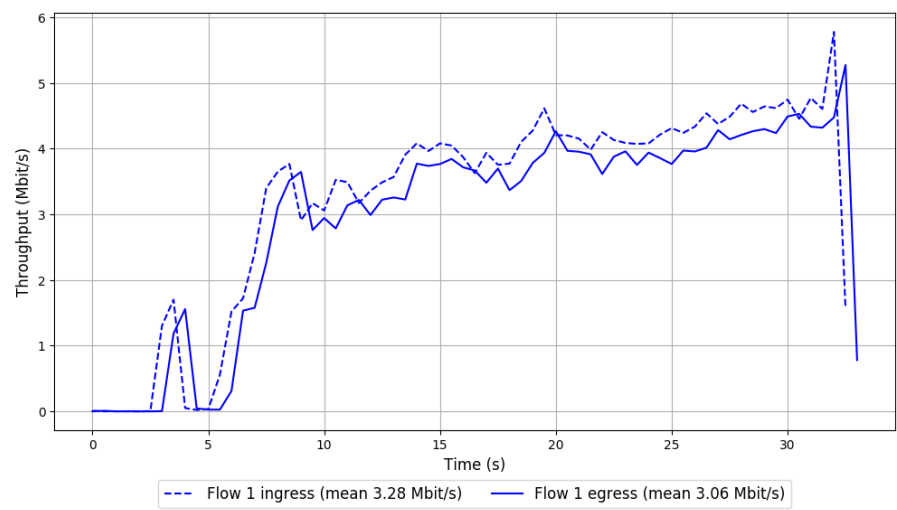
-- Flow 1:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 39.612 ms

Loss rate: 6.98%

Run 4: Report of WebRTC media — Data Link

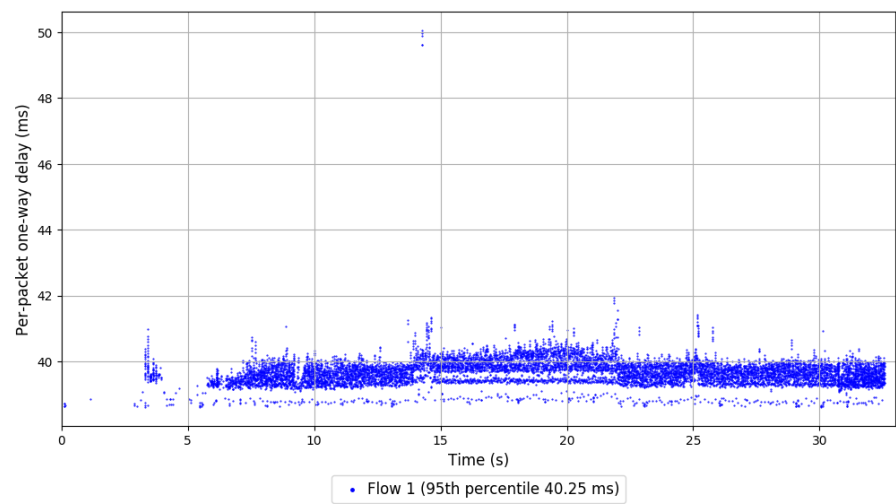
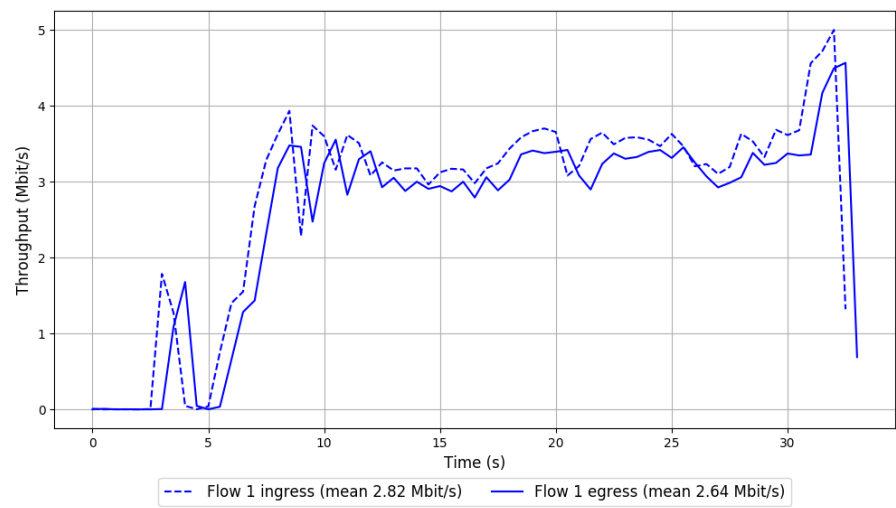


Run 5: Statistics of WebRTC media

Start at: 2018-06-19 03:54:27
End at: 2018-06-19 03:54:57
Local clock offset: 6.771 ms
Remote clock offset: -1.197 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 40.253 ms
Loss rate: 6.72%
-- Flow 1:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 40.253 ms
Loss rate: 6.72%

Run 5: Report of WebRTC media — Data Link

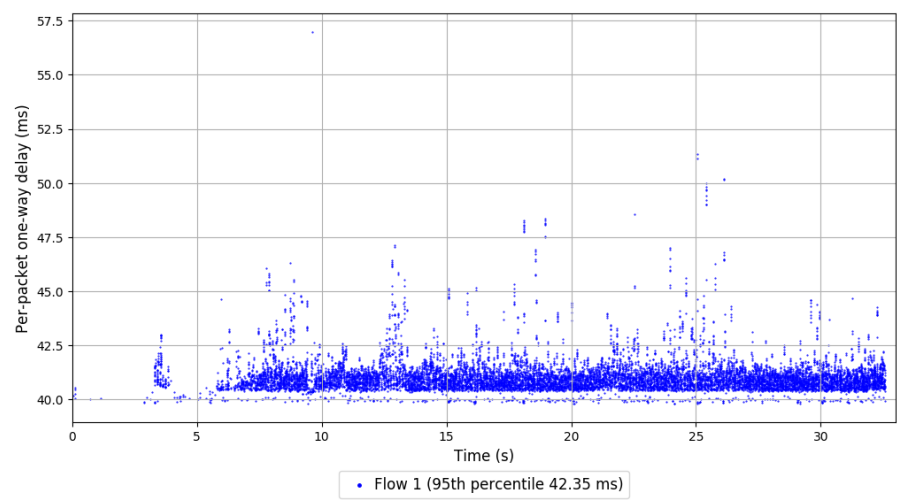
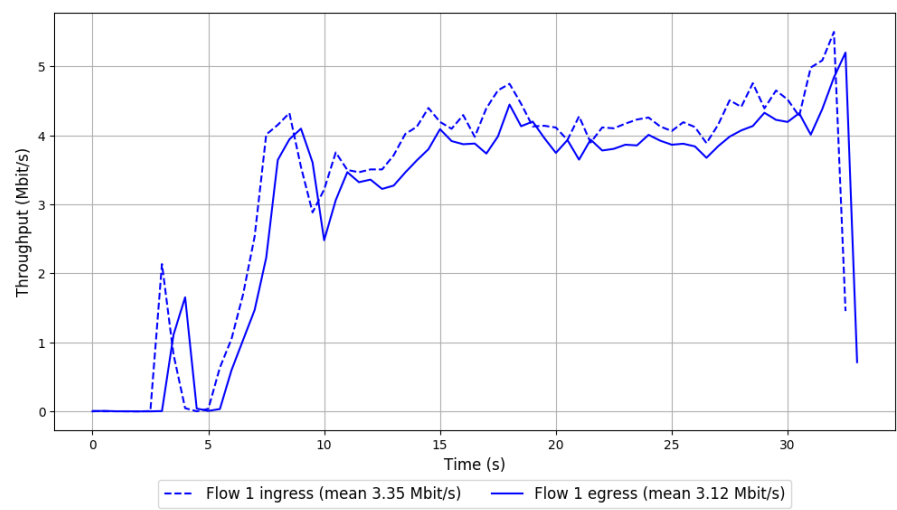


Run 6: Statistics of WebRTC media

Start at: 2018-06-19 04:23:58
End at: 2018-06-19 04:24:28
Local clock offset: 9.01 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 42.354 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 42.354 ms
Loss rate: 7.12%

Run 6: Report of WebRTC media — Data Link

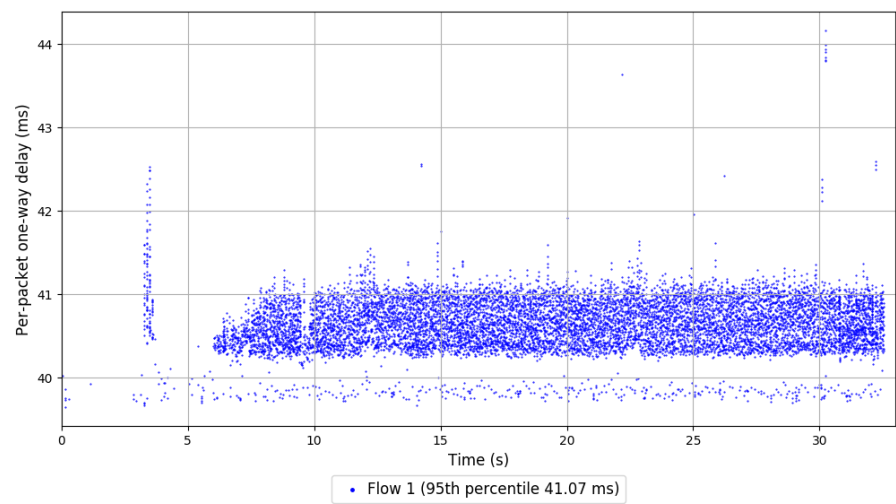
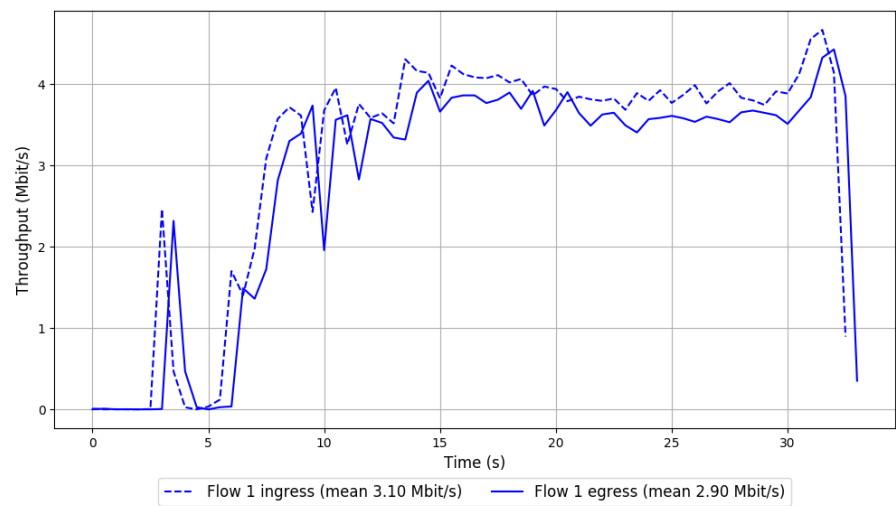


Run 7: Statistics of WebRTC media

Start at: 2018-06-19 04:54:03
End at: 2018-06-19 04:54:33
Local clock offset: 4.788 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 41.066 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 41.066 ms
Loss rate: 6.90%

Run 7: Report of WebRTC media — Data Link

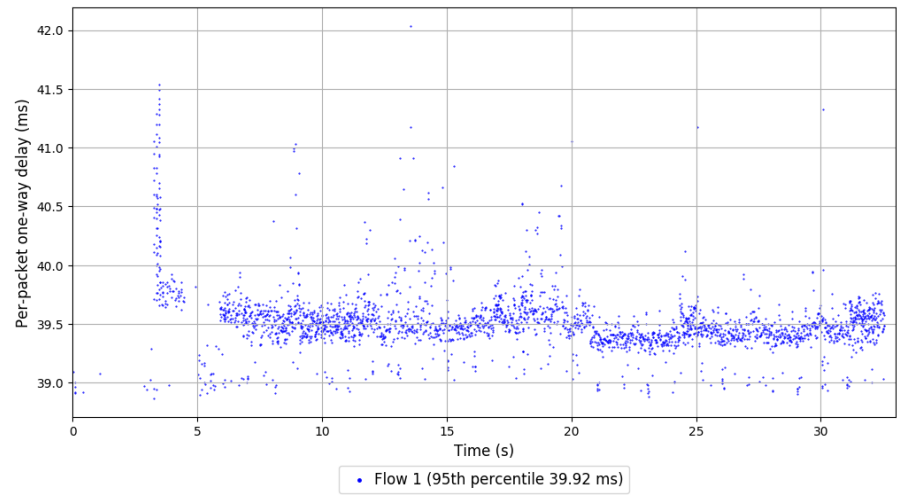
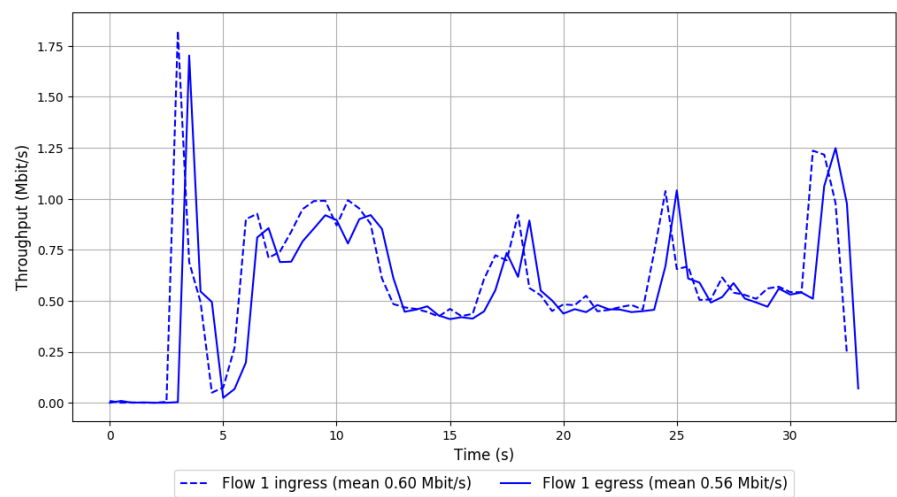


Run 8: Statistics of WebRTC media

Start at: 2018-06-19 05:24:29
End at: 2018-06-19 05:24:59
Local clock offset: 7.768 ms
Remote clock offset: -1.148 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 39.919 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 39.919 ms
Loss rate: 5.95%

Run 8: Report of WebRTC media — Data Link

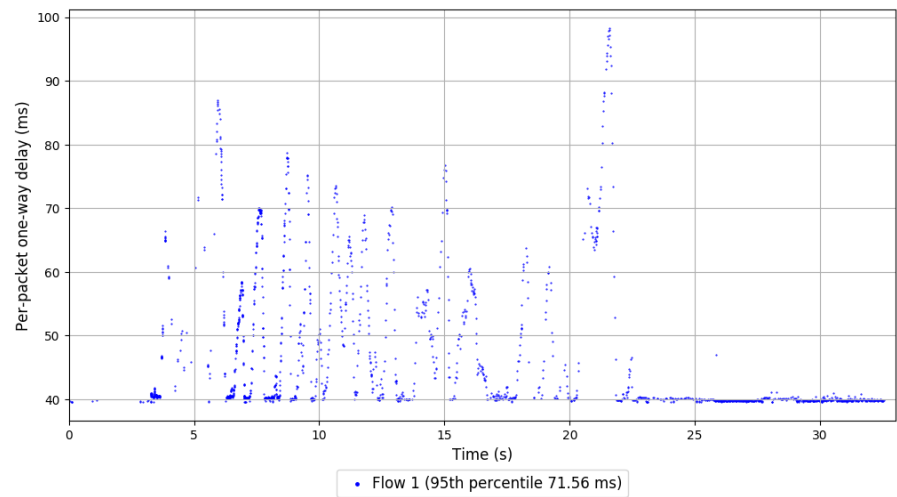
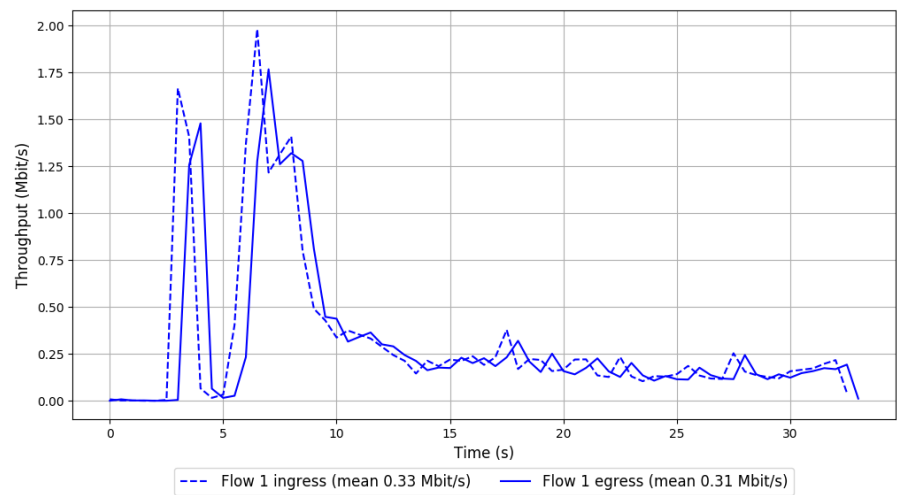


Run 9: Statistics of WebRTC media

Start at: 2018-06-19 05:54:53
End at: 2018-06-19 05:55:23
Local clock offset: 7.476 ms
Remote clock offset: -1.256 ms

Below is generated by plot.py at 2018-06-19 06:45:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 71.557 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 71.557 ms
Loss rate: 6.25%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-19 06:25:04

End at: 2018-06-19 06:25:34

Local clock offset: 6.234 ms

Remote clock offset: -1.109 ms

Below is generated by plot.py at 2018-06-19 06:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 41.202 ms

Loss rate: 7.06%

-- Flow 1:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 41.202 ms

Loss rate: 7.06%

Run 10: Report of WebRTC media — Data Link

