

Pantheon Report

Generated at 2018-08-09 21:28:09 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

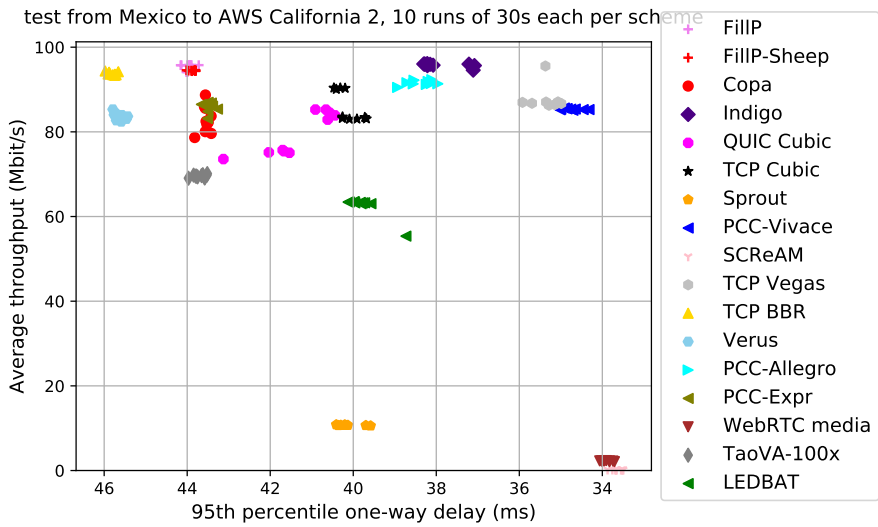
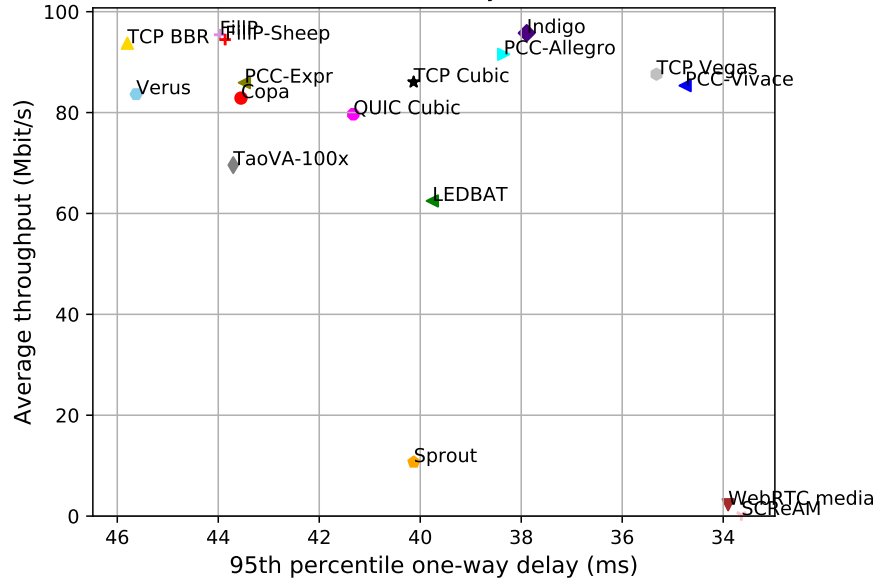
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.75	45.80	1.10
Copa	10	82.87	43.55	0.27
TCP Cubic	10	86.04	40.13	0.25
FillP	10	95.43	43.97	0.25
FillP-Sheep	10	94.46	43.86	0.26
Indigo	10	95.77	37.89	0.23
LEDBAT	10	62.48	39.76	0.21
PCC-Allegro	10	91.55	38.35	0.23
PCC-Expr	10	85.92	43.48	0.31
QUIC Cubic	10	79.67	41.33	0.28
SCReAM	10	0.21	33.64	0.22
Sprout	10	10.70	40.13	0.26
TaoVA-100x	10	69.58	43.70	0.25
TCP Vegas	10	87.60	35.32	0.25
Verus	10	83.65	45.63	0.39
PCC-Vivace	10	85.35	34.75	0.23
WebRTC media	10	2.25	33.90	0.24

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 17:33:47

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

Local clock offset: 0.395 ms

Remote clock offset: 0.944 ms

Below is generated by plot.py at 2018-08-09 21:07:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 45.734 ms

Loss rate: 1.09%

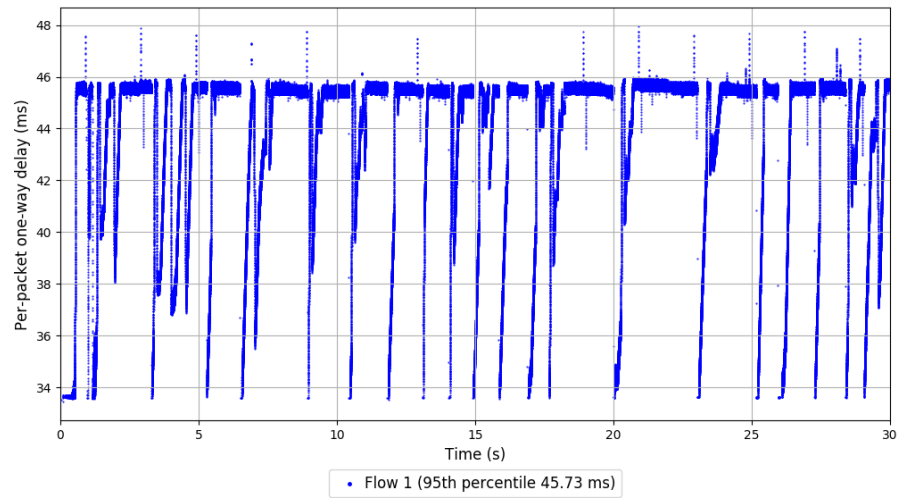
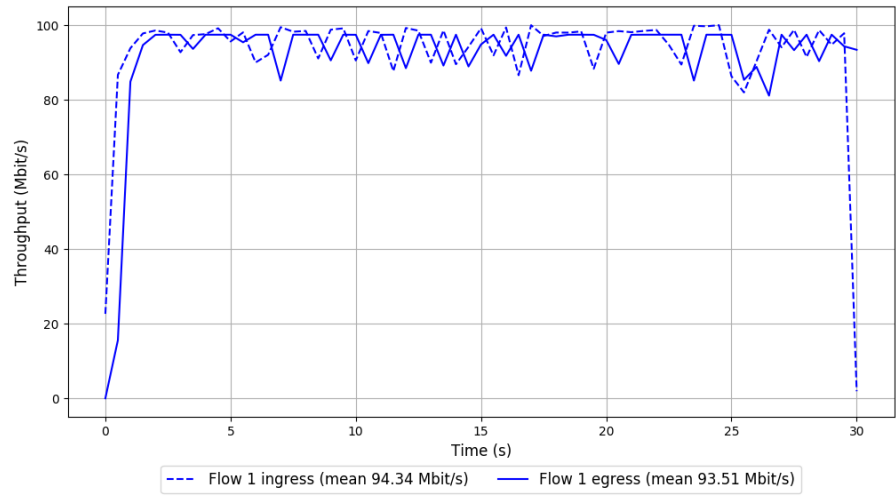
-- Flow 1:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 45.734 ms

Loss rate: 1.09%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-09 17:56:00

End at: 2018-08-09 17:56:30

Local clock offset: 0.23 ms

Remote clock offset: 2.198 ms

Below is generated by plot.py at 2018-08-09 21:07:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 45.747 ms

Loss rate: 1.14%

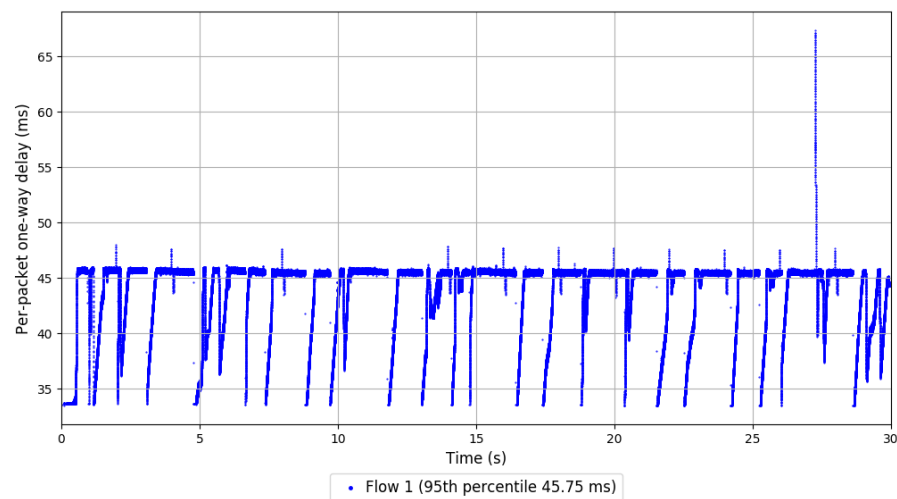
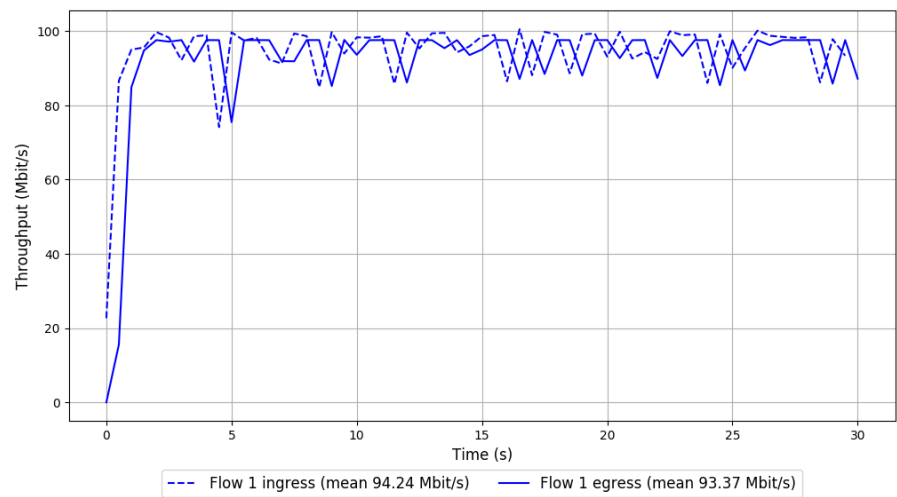
-- Flow 1:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 45.747 ms

Loss rate: 1.14%

Run 2: Report of TCP BBR — Data Link

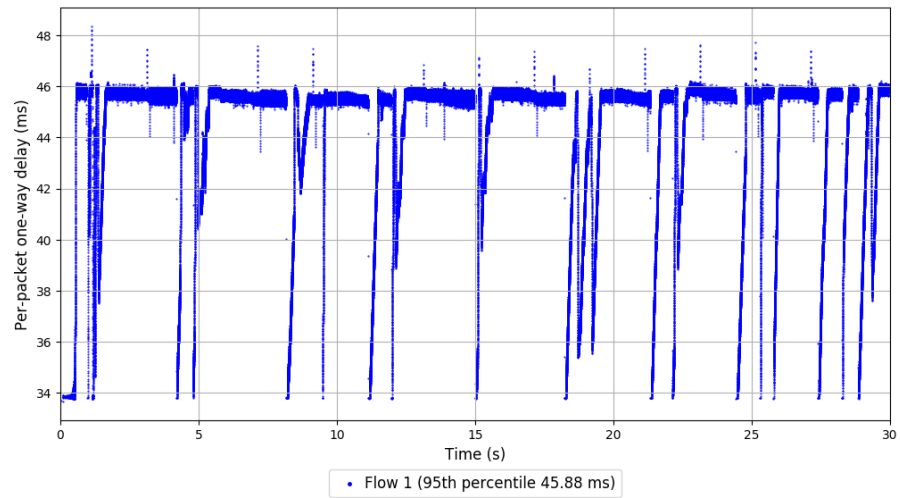
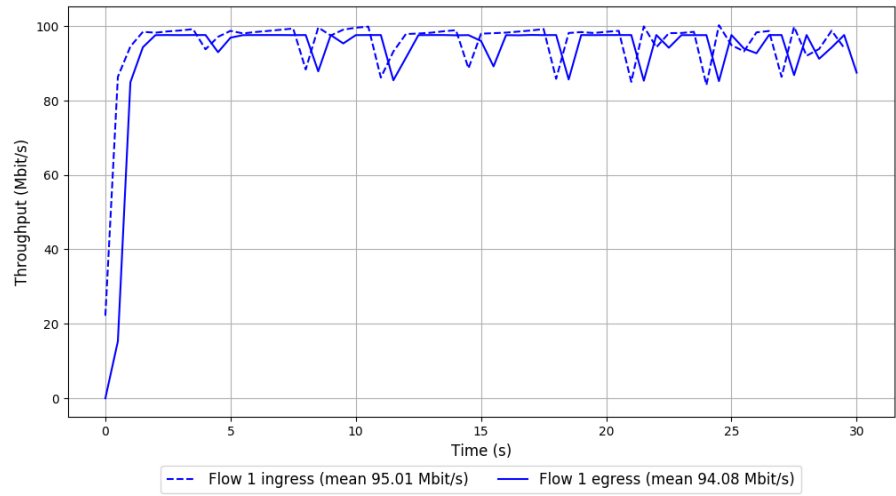


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 18:18:17
End at: 2018-08-09 18:18:47
Local clock offset: 0.317 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-08-09 21:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 45.881 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 45.881 ms
Loss rate: 1.18%

Run 3: Report of TCP BBR — Data Link

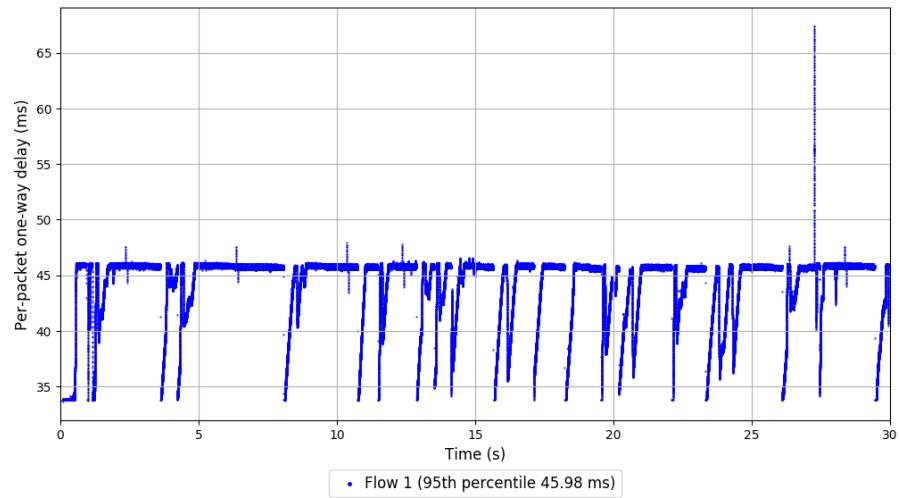
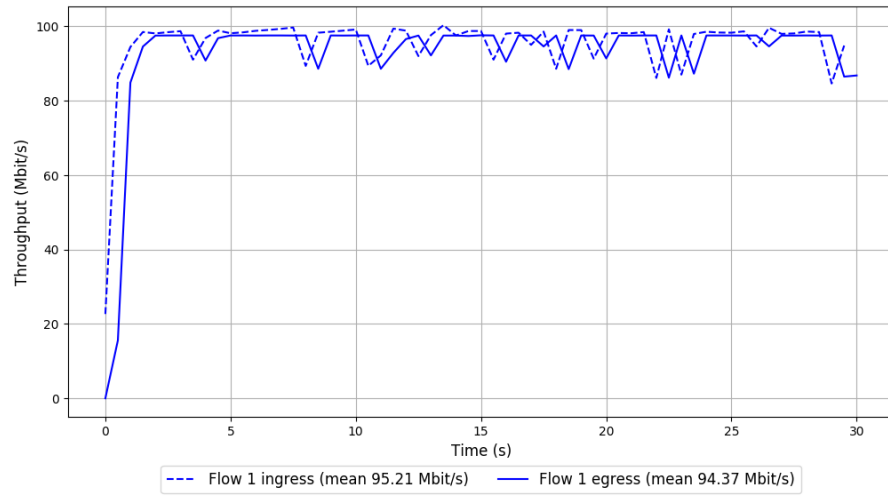


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 18:40:31
End at: 2018-08-09 18:41:01
Local clock offset: 0.313 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-08-09 21:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 1.09%

Run 4: Report of TCP BBR — Data Link

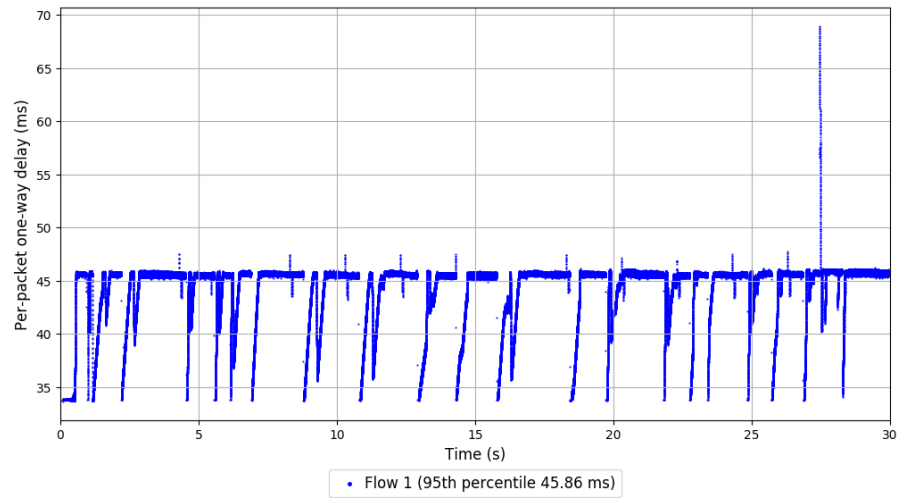
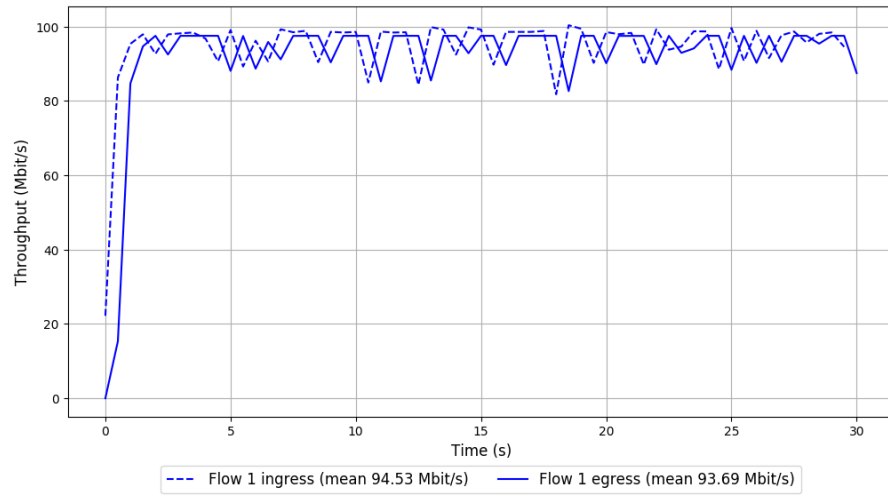


Run 5: Statistics of TCP BBR

Start at: 2018-08-09 19:02:45
End at: 2018-08-09 19:03:15
Local clock offset: -0.166 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-08-09 21:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 45.859 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 45.859 ms
Loss rate: 1.11%

Run 5: Report of TCP BBR — Data Link

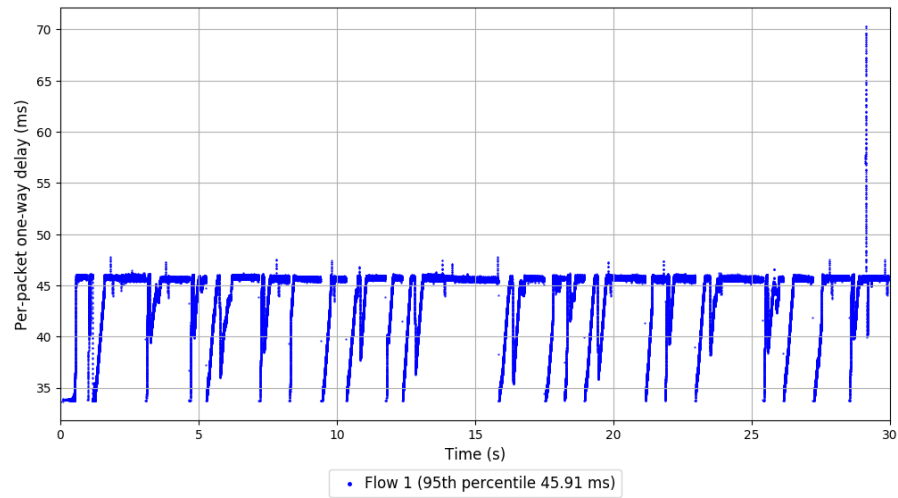
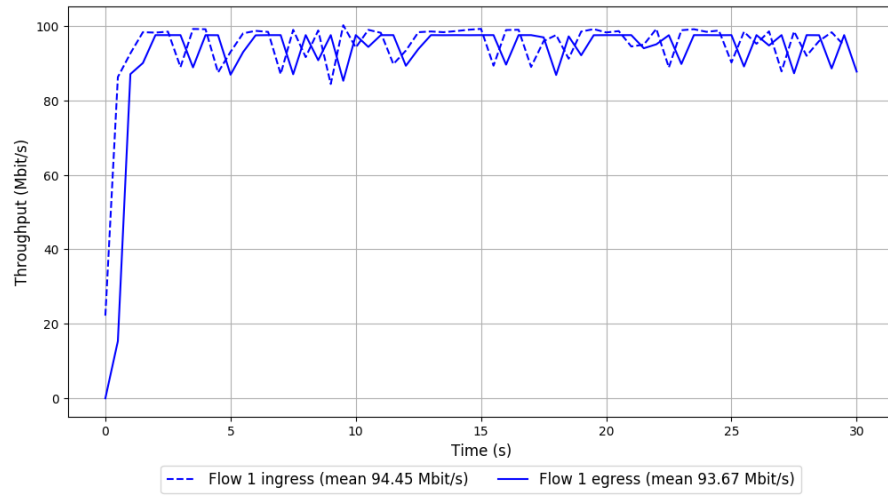


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 19:25:14
End at: 2018-08-09 19:25:44
Local clock offset: -0.436 ms
Remote clock offset: -2.677 ms

Below is generated by plot.py at 2018-08-09 21:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 45.905 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 45.905 ms
Loss rate: 1.06%

Run 6: Report of TCP BBR — Data Link

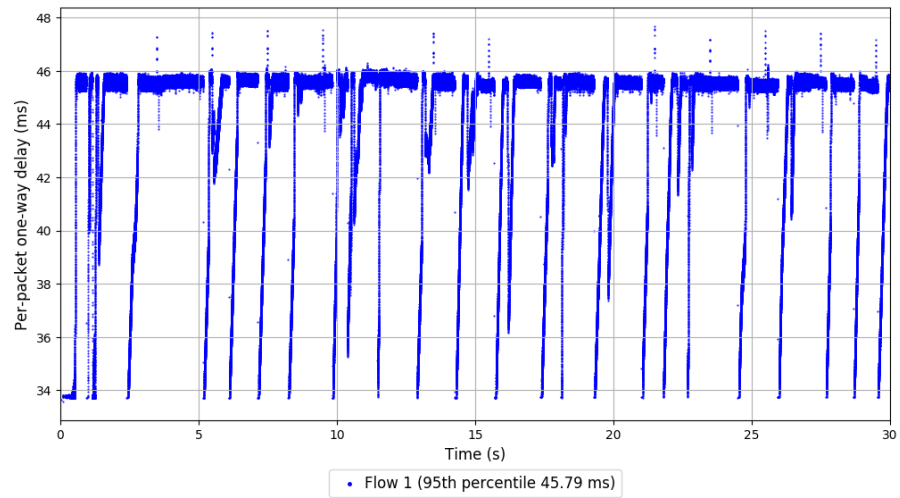
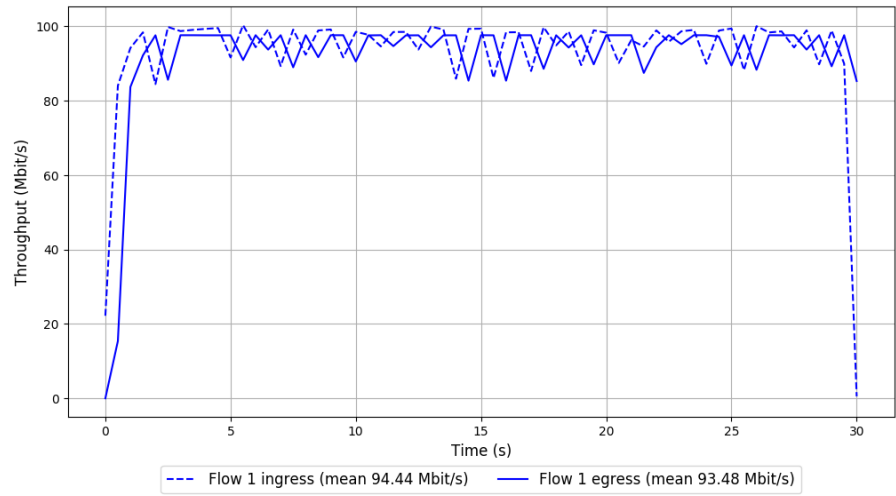


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 19:47:44
End at: 2018-08-09 19:48:14
Local clock offset: -0.708 ms
Remote clock offset: -2.414 ms

Below is generated by plot.py at 2018-08-09 21:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 45.791 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 45.791 ms
Loss rate: 1.23%

Run 7: Report of TCP BBR — Data Link

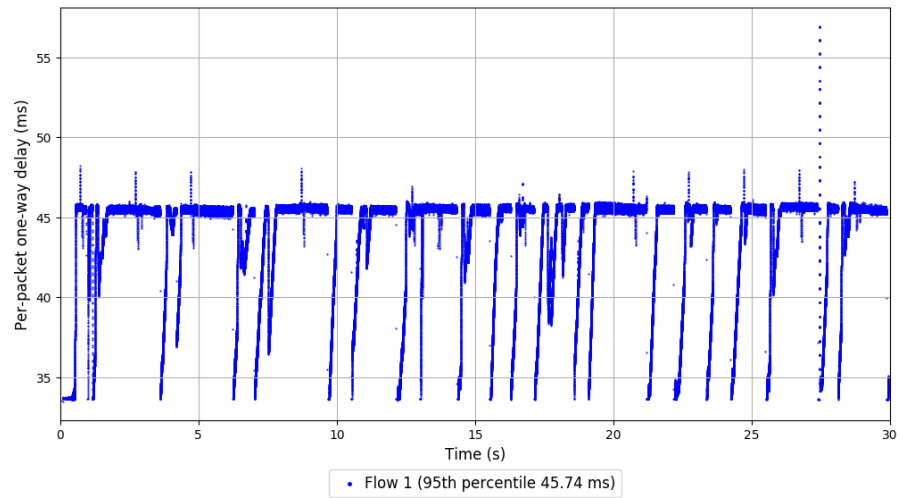
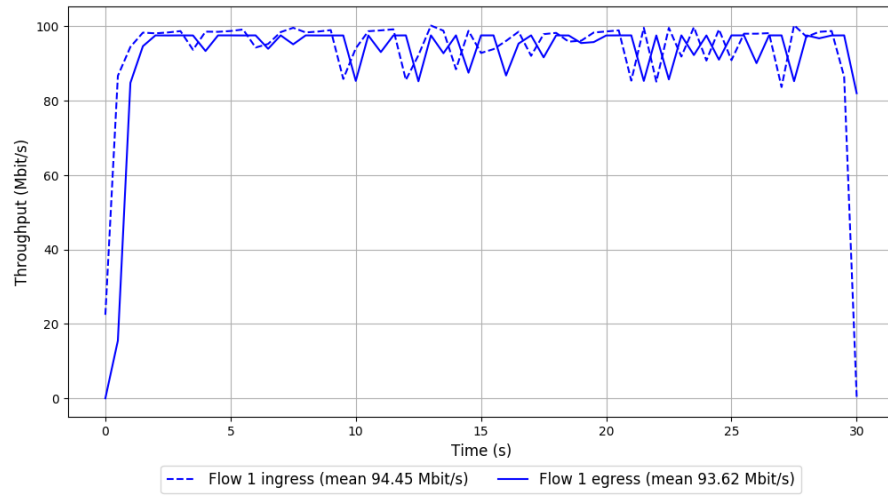


Run 8: Statistics of TCP BBR

Start at: 2018-08-09 20:10:01
End at: 2018-08-09 20:10:31
Local clock offset: -0.56 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-08-09 21:07:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 45.742 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 45.742 ms
Loss rate: 1.10%

Run 8: Report of TCP BBR — Data Link

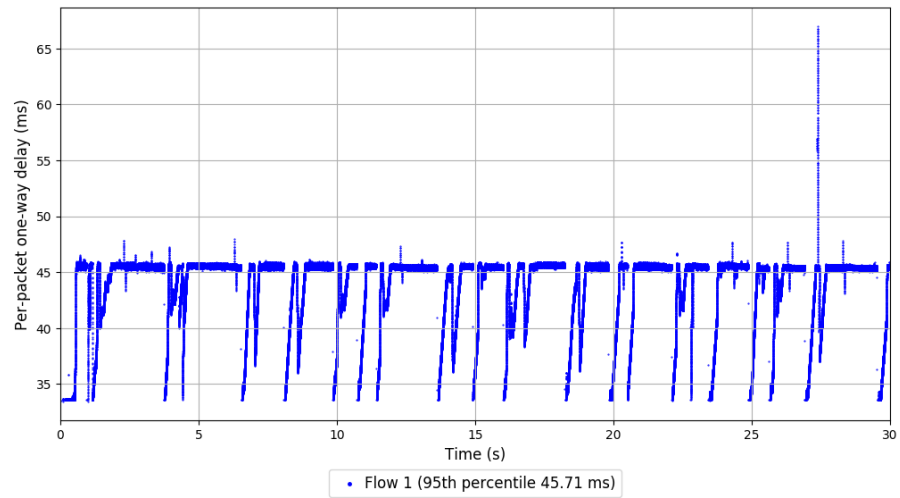
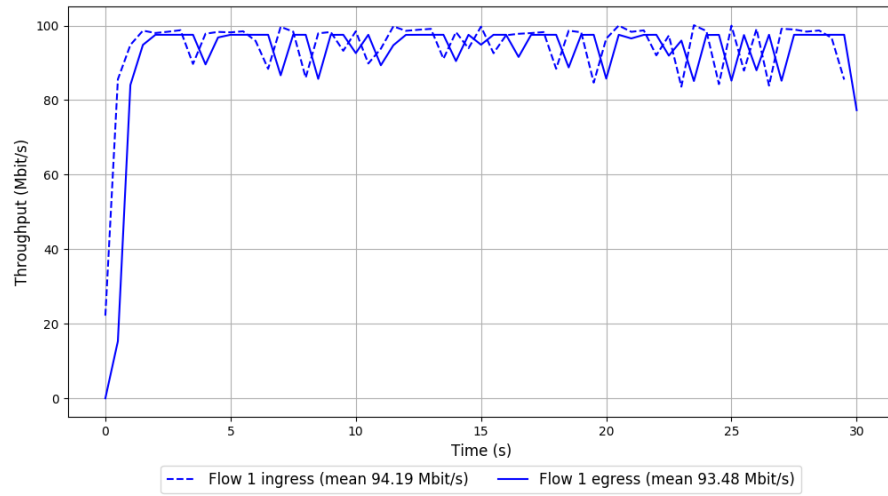


Run 9: Statistics of TCP BBR

Start at: 2018-08-09 20:32:19
End at: 2018-08-09 20:32:49
Local clock offset: -0.272 ms
Remote clock offset: -2.044 ms

Below is generated by plot.py at 2018-08-09 21:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 45.713 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 45.713 ms
Loss rate: 0.97%

Run 9: Report of TCP BBR — Data Link

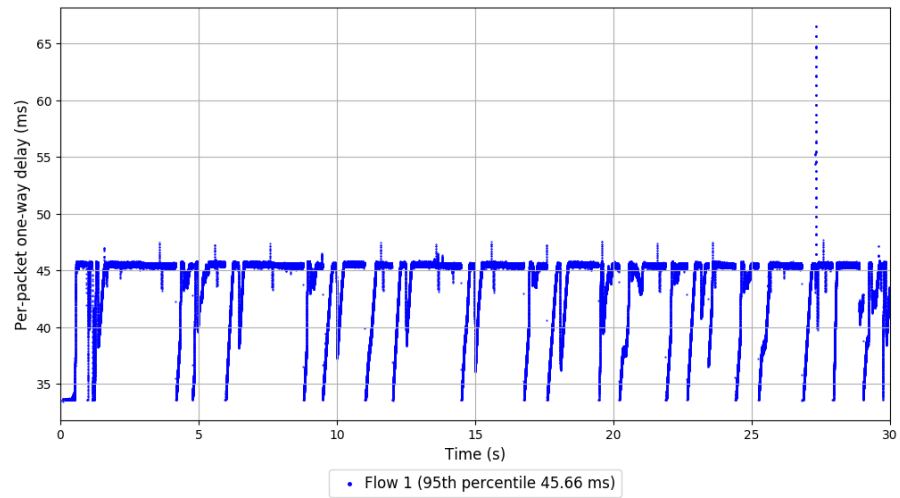
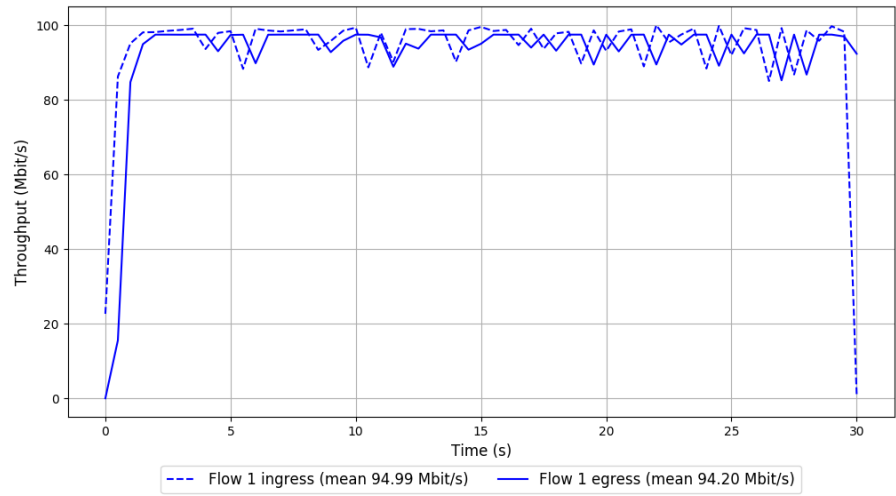


Run 10: Statistics of TCP BBR

Start at: 2018-08-09 20:54:38
End at: 2018-08-09 20:55:08
Local clock offset: -0.486 ms
Remote clock offset: -2.764 ms

Below is generated by plot.py at 2018-08-09 21:08:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 45.659 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 45.659 ms
Loss rate: 1.06%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-09 17:35:06

End at: 2018-08-09 17:35:37

Local clock offset: 0.403 ms

Remote clock offset: 0.901 ms

Below is generated by plot.py at 2018-08-09 21:09:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.66 Mbit/s

95th percentile per-packet one-way delay: 43.819 ms

Loss rate: 0.19%

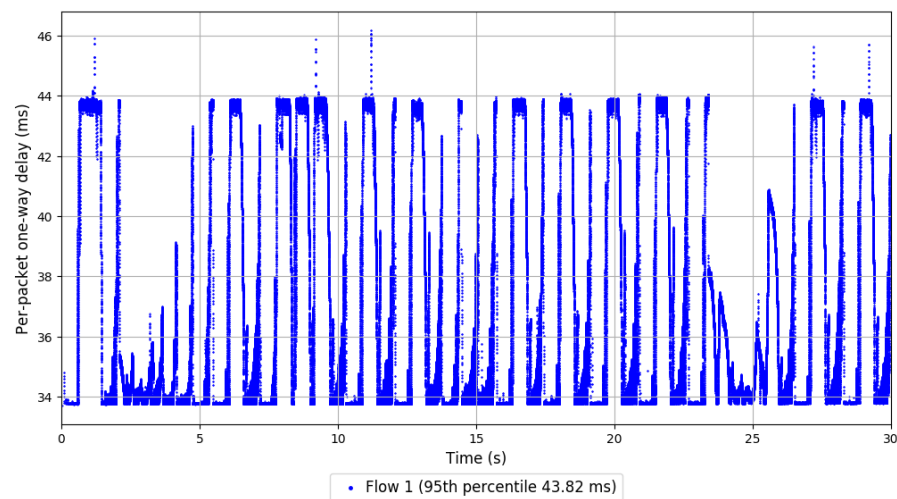
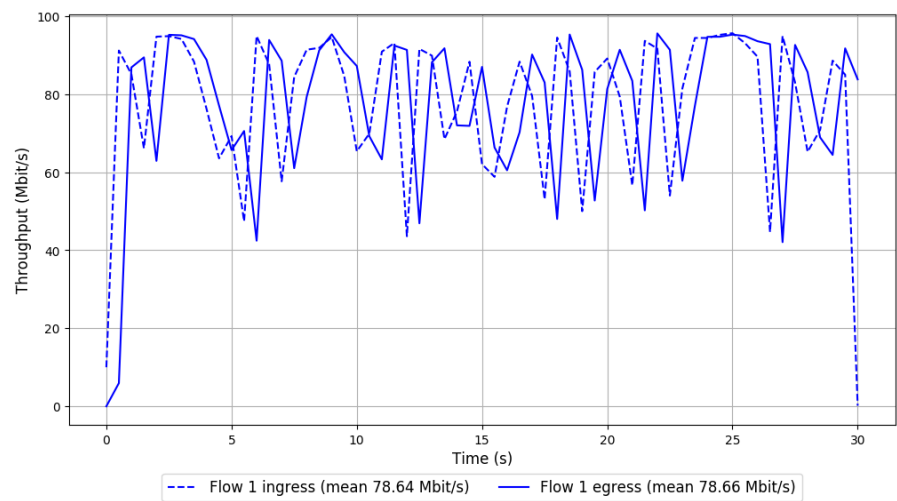
-- Flow 1:

Average throughput: 78.66 Mbit/s

95th percentile per-packet one-way delay: 43.819 ms

Loss rate: 0.19%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-09 17:57:20

End at: 2018-08-09 17:57:50

Local clock offset: 0.225 ms

Remote clock offset: 1.996 ms

Below is generated by plot.py at 2018-08-09 21:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 43.424 ms

Loss rate: 0.30%

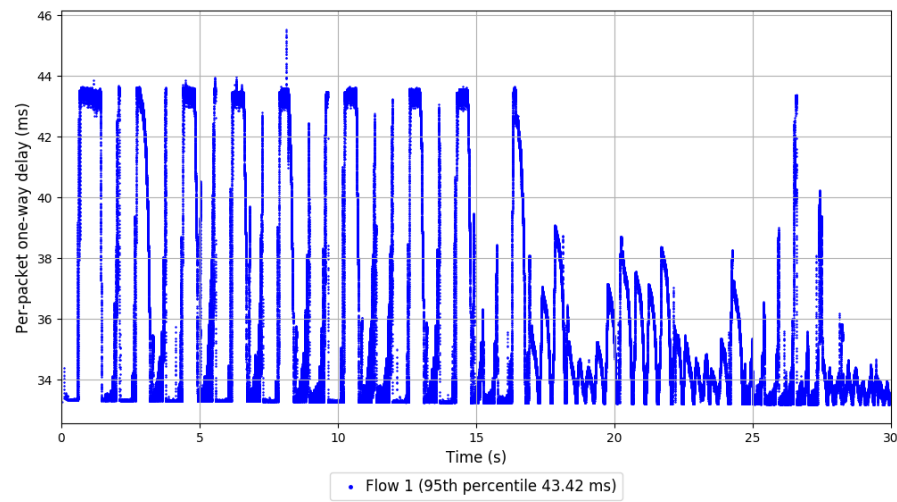
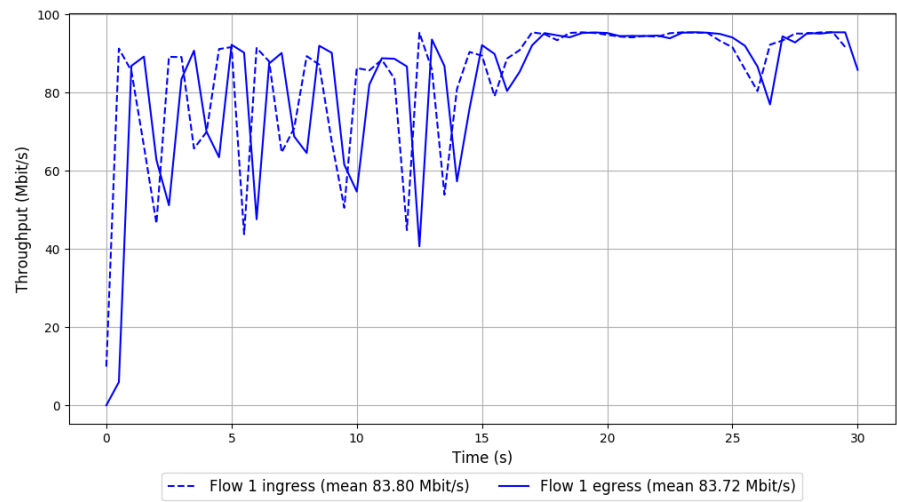
-- Flow 1:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 43.424 ms

Loss rate: 0.30%

Run 2: Report of Copa — Data Link

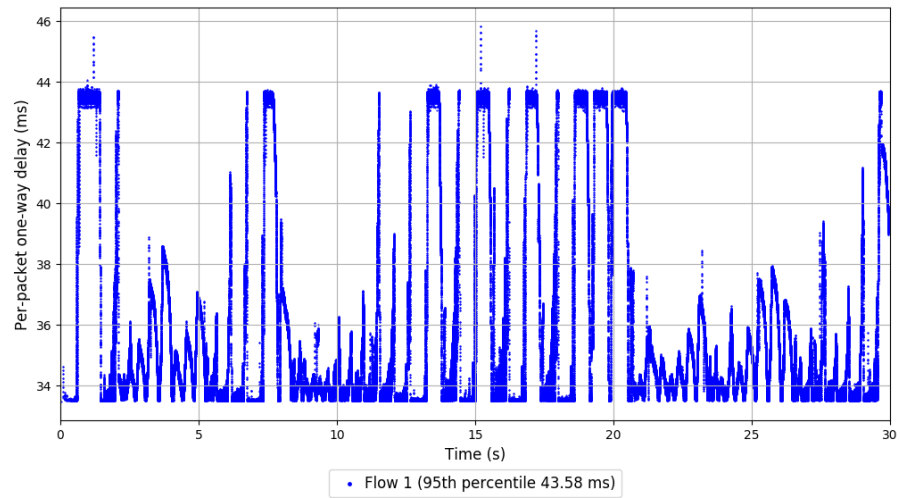
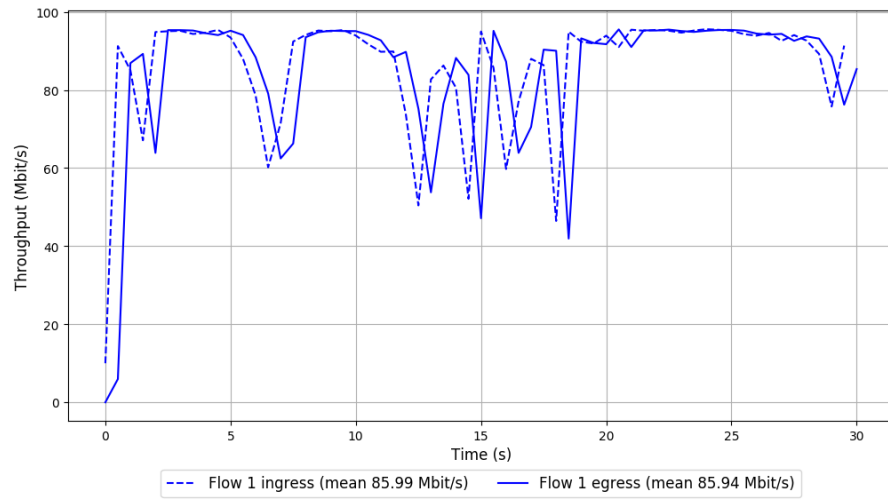


Run 3: Statistics of Copa

Start at: 2018-08-09 18:19:37
End at: 2018-08-09 18:20:07
Local clock offset: 0.316 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-09 21:09:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 43.584 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 43.584 ms
Loss rate: 0.27%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-09 18:41:51

End at: 2018-08-09 18:42:21

Local clock offset: 0.342 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-08-09 21:09:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 43.565 ms

Loss rate: 0.23%

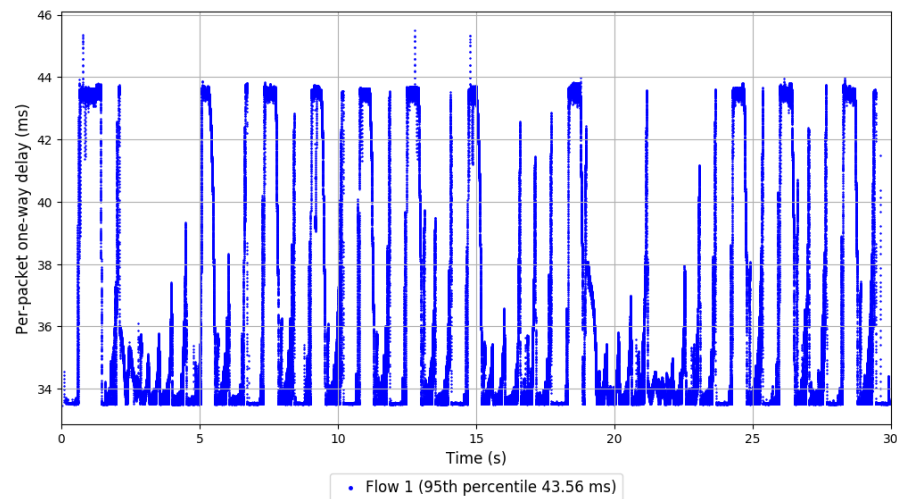
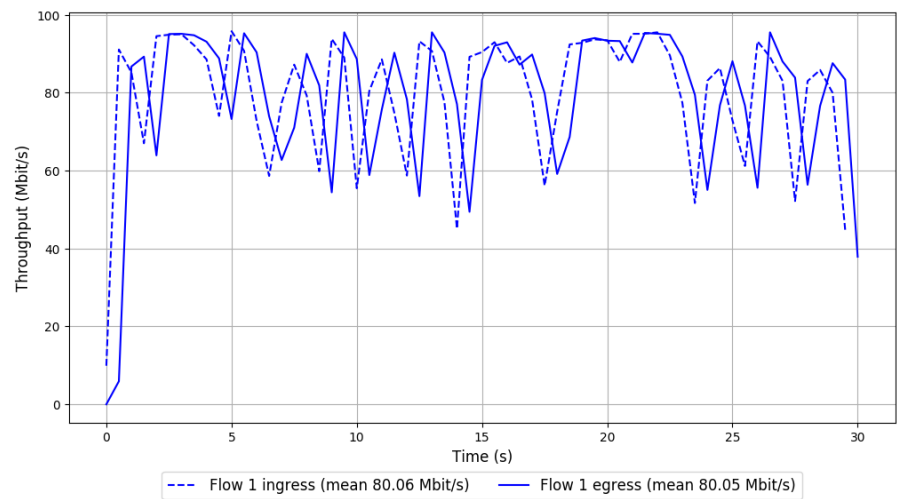
-- Flow 1:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 43.565 ms

Loss rate: 0.23%

Run 4: Report of Copa — Data Link

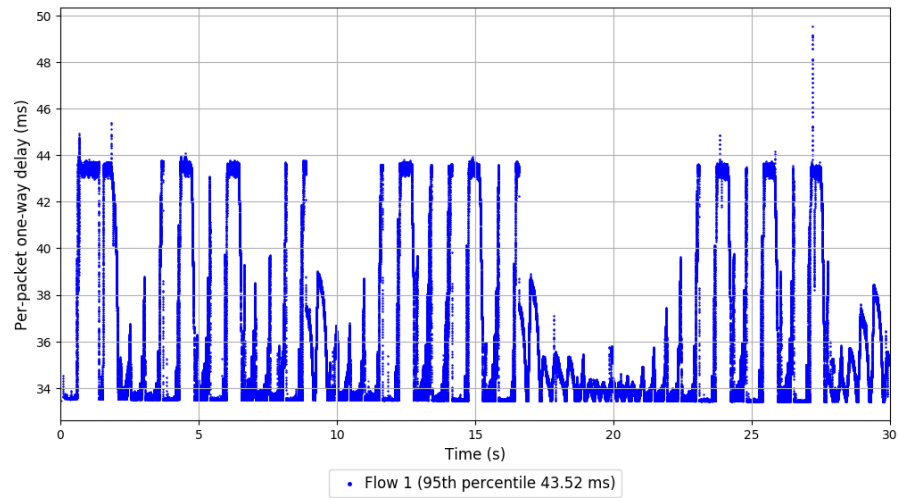
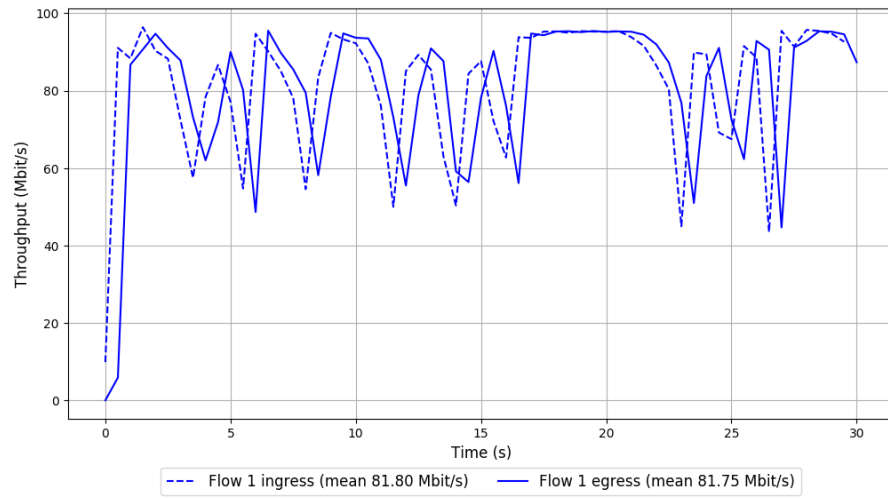


Run 5: Statistics of Copa

Start at: 2018-08-09 19:04:08
End at: 2018-08-09 19:04:38
Local clock offset: -0.095 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-08-09 21:09:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.75 Mbit/s
95th percentile per-packet one-way delay: 43.525 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 81.75 Mbit/s
95th percentile per-packet one-way delay: 43.525 ms
Loss rate: 0.28%

Run 5: Report of Copa — Data Link

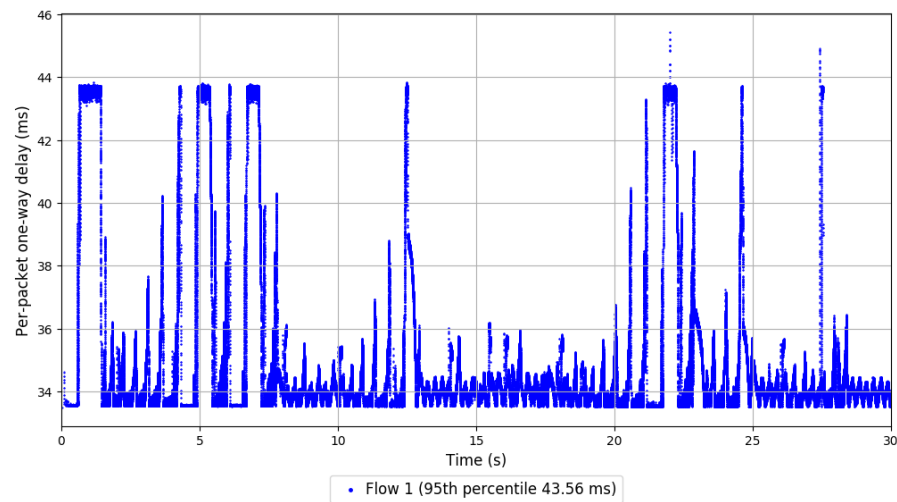
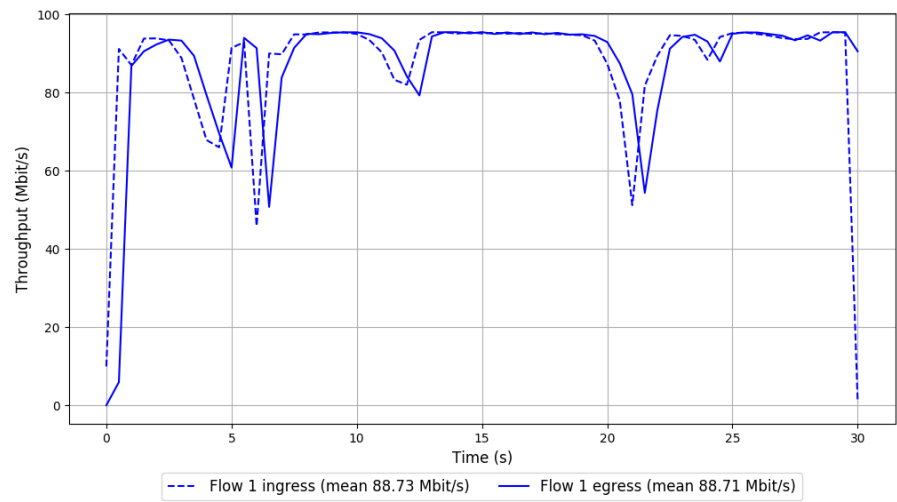


Run 6: Statistics of Copa

Start at: 2018-08-09 19:26:34
End at: 2018-08-09 19:27:04
Local clock offset: -0.477 ms
Remote clock offset: -2.532 ms

Below is generated by plot.py at 2018-08-09 21:09:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 43.561 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 43.561 ms
Loss rate: 0.24%

Run 6: Report of Copa — Data Link

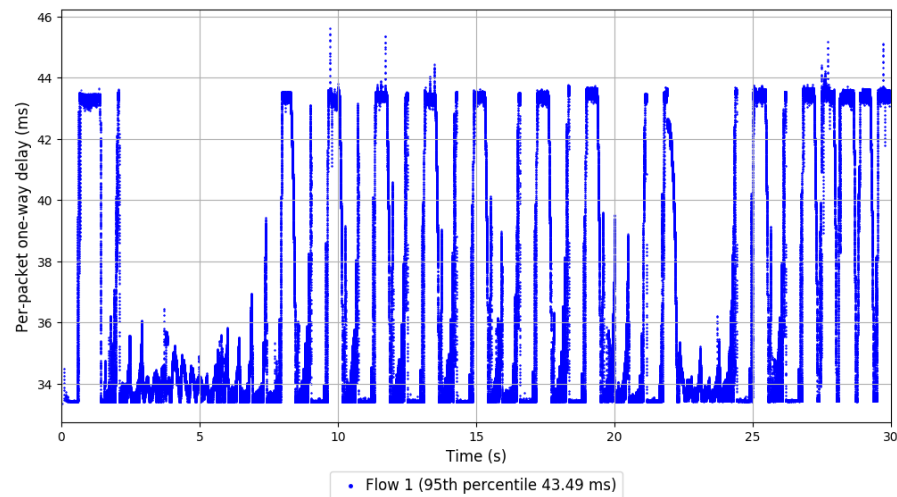
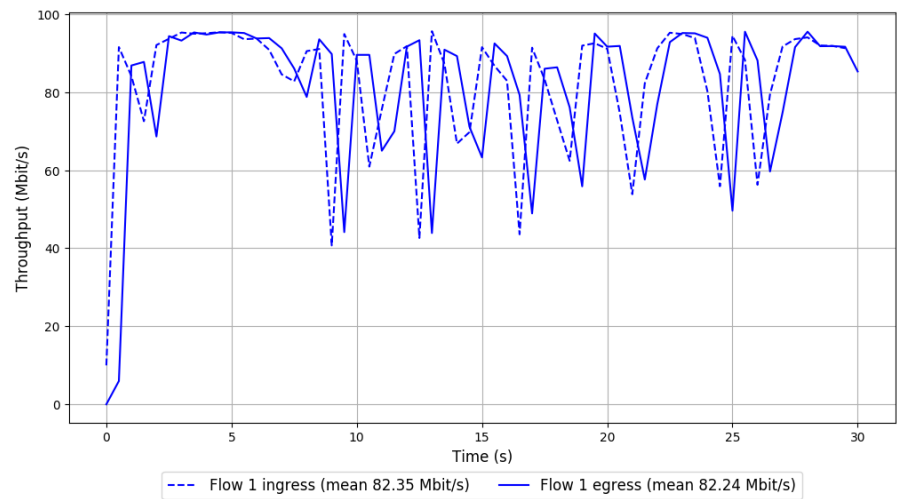


Run 7: Statistics of Copa

Start at: 2018-08-09 19:49:04
End at: 2018-08-09 19:49:34
Local clock offset: -0.707 ms
Remote clock offset: -2.097 ms

Below is generated by plot.py at 2018-08-09 21:10:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 43.493 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 43.493 ms
Loss rate: 0.34%

Run 7: Report of Copa — Data Link

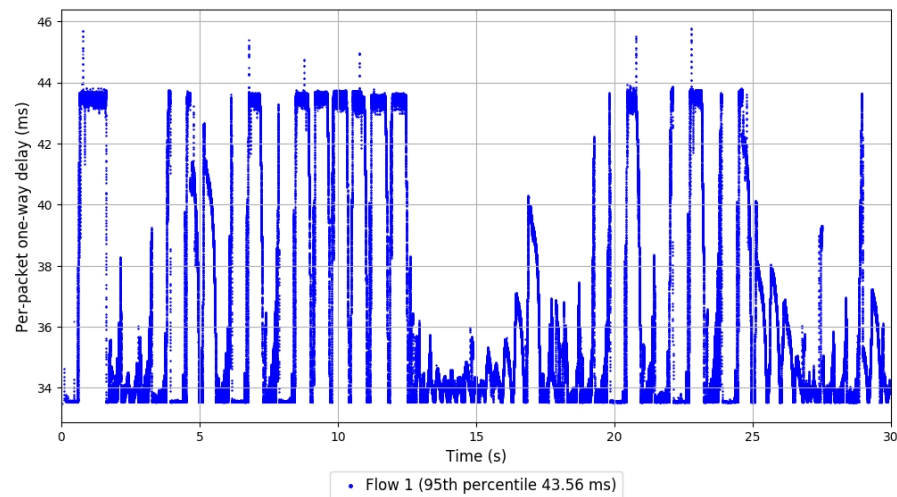
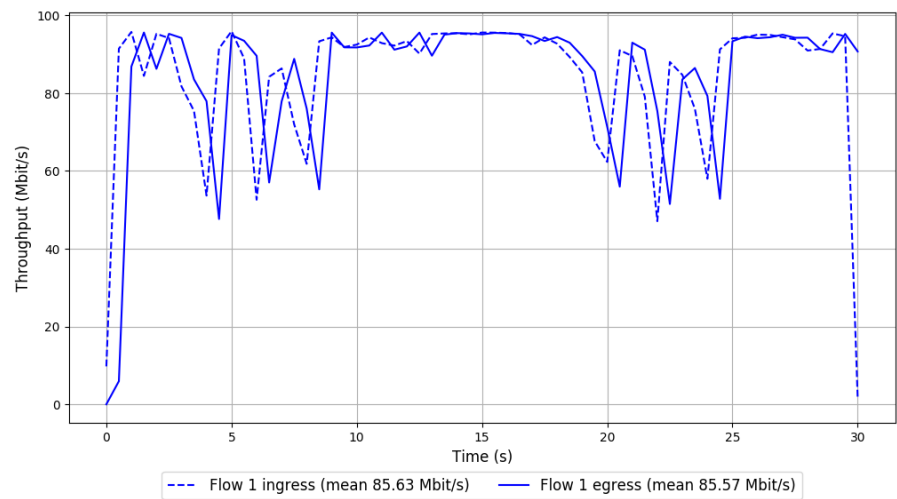


Run 8: Statistics of Copa

Start at: 2018-08-09 20:11:21
End at: 2018-08-09 20:11:51
Local clock offset: -0.574 ms
Remote clock offset: -1.593 ms

Below is generated by plot.py at 2018-08-09 21:10:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 43.562 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 43.562 ms
Loss rate: 0.29%

Run 8: Report of Copa — Data Link

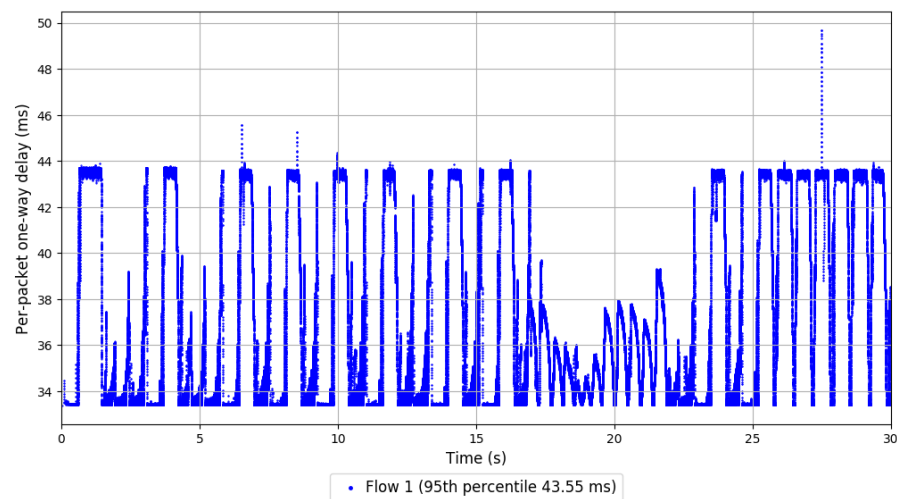
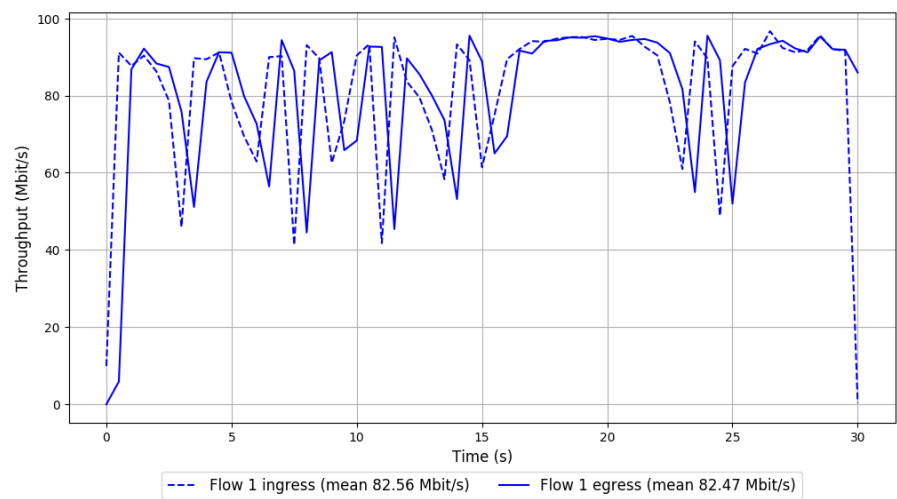


Run 9: Statistics of Copa

Start at: 2018-08-09 20:33:39
End at: 2018-08-09 20:34:09
Local clock offset: -0.27 ms
Remote clock offset: -1.934 ms

Below is generated by plot.py at 2018-08-09 21:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 43.546 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 43.546 ms
Loss rate: 0.32%

Run 9: Report of Copa — Data Link

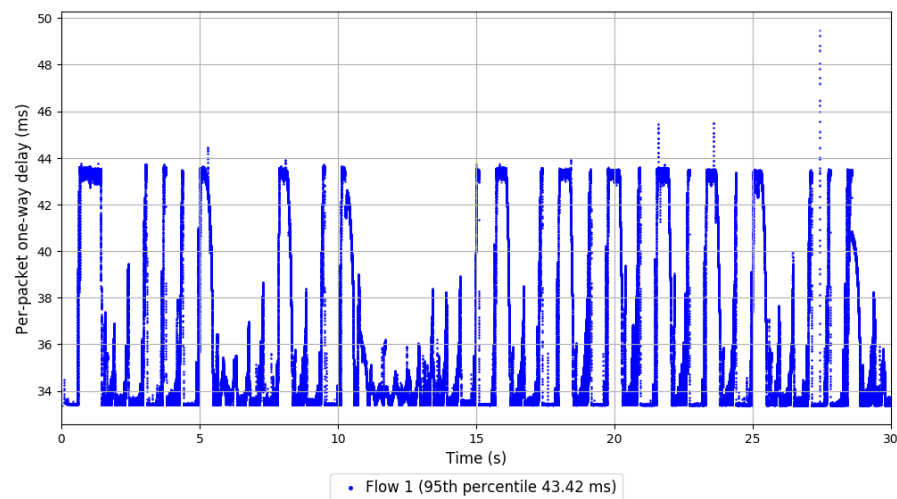
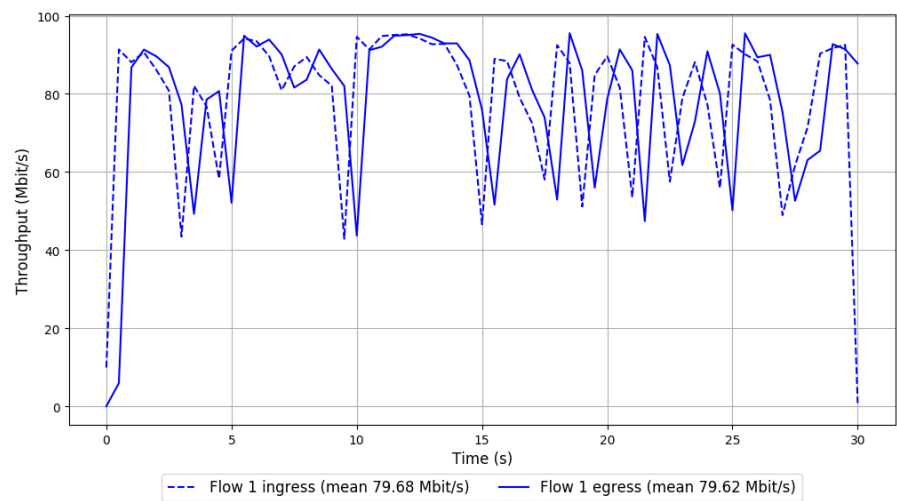


Run 10: Statistics of Copa

Start at: 2018-08-09 20:55:58
End at: 2018-08-09 20:56:28
Local clock offset: -0.417 ms
Remote clock offset: -2.603 ms

Below is generated by plot.py at 2018-08-09 21:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 43.421 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 43.421 ms
Loss rate: 0.29%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 17:36:27

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

Local clock offset: 0.41 ms

Remote clock offset: 1.196 ms

Below is generated by plot.py at 2018-08-09 21:10:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.04 Mbit/s

95th percentile per-packet one-way delay: 39.911 ms

Loss rate: 0.26%

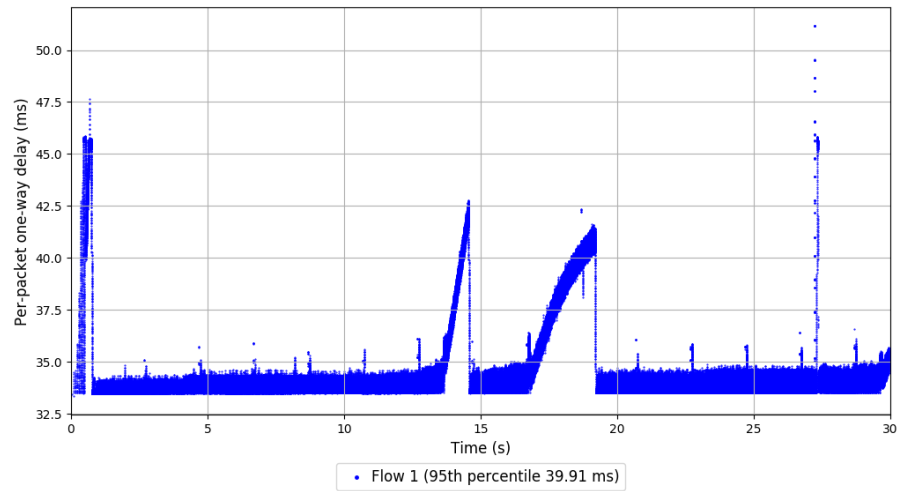
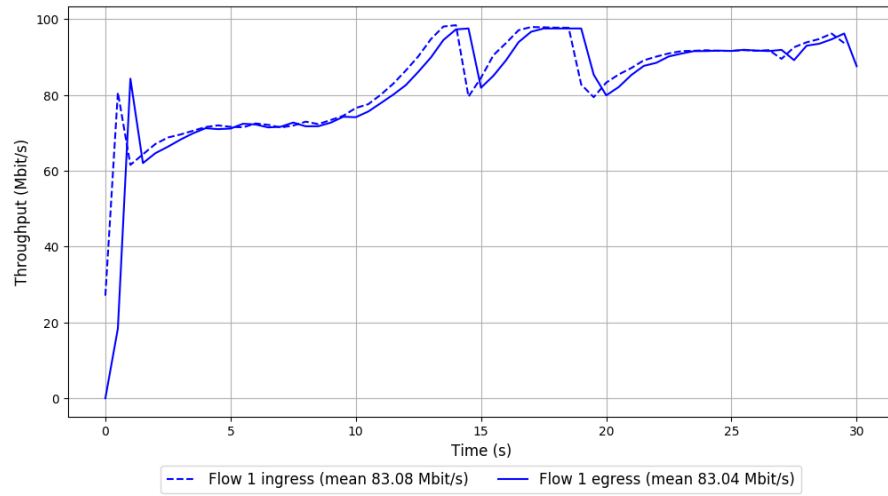
-- Flow 1:

Average throughput: 83.04 Mbit/s

95th percentile per-packet one-way delay: 39.911 ms

Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 17:58:41

End at: 2018-08-09 17:59:11

Local clock offset: 0.227 ms

Remote clock offset: 1.566 ms

Below is generated by plot.py at 2018-08-09 21:10:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 39.722 ms

Loss rate: 0.26%

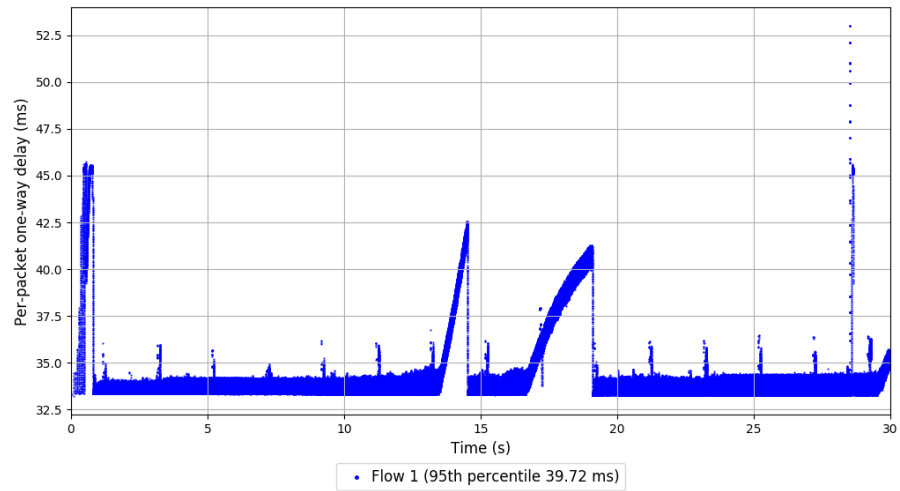
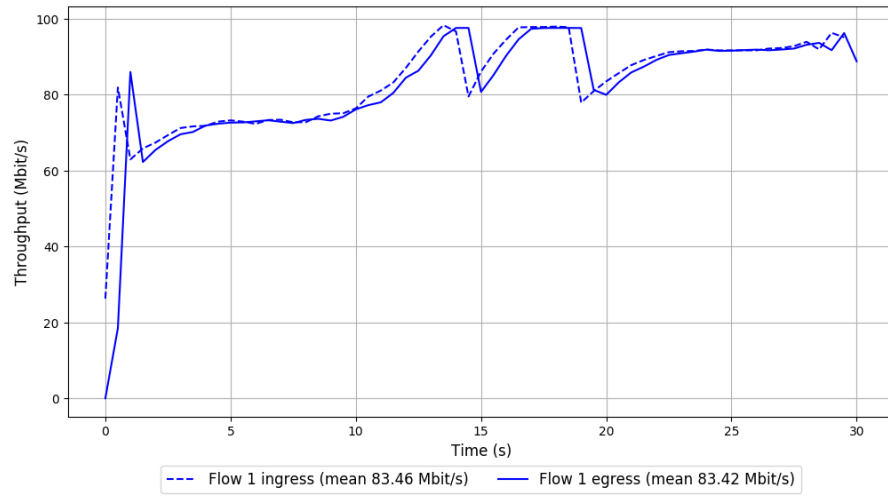
-- Flow 1:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 39.722 ms

Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

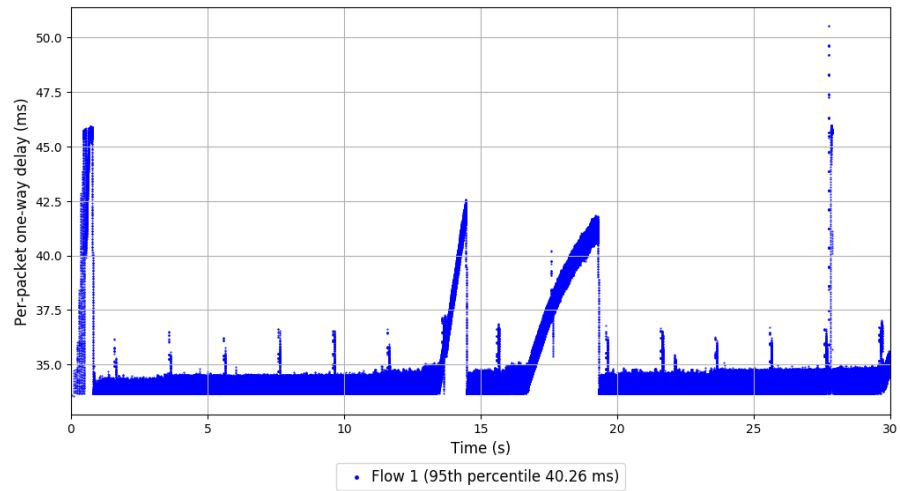
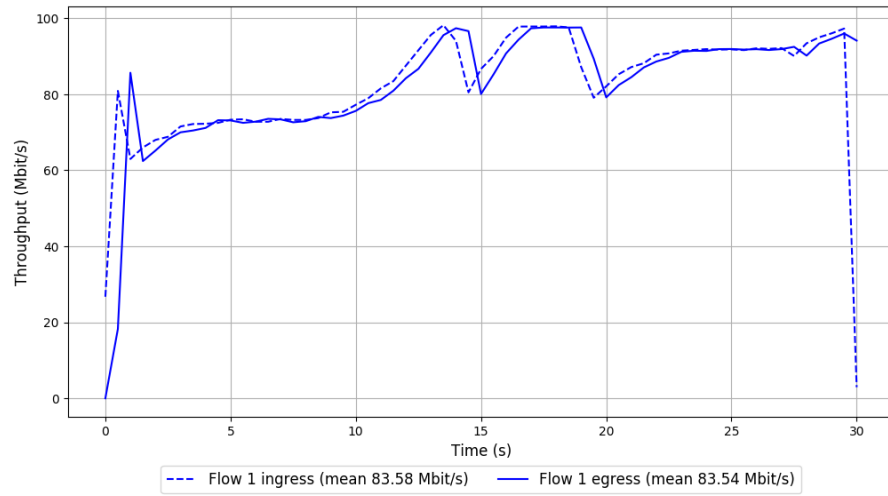


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 18:20:58
End at: 2018-08-09 18:21:28
Local clock offset: 0.299 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-08-09 21:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 40.258 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 40.258 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link

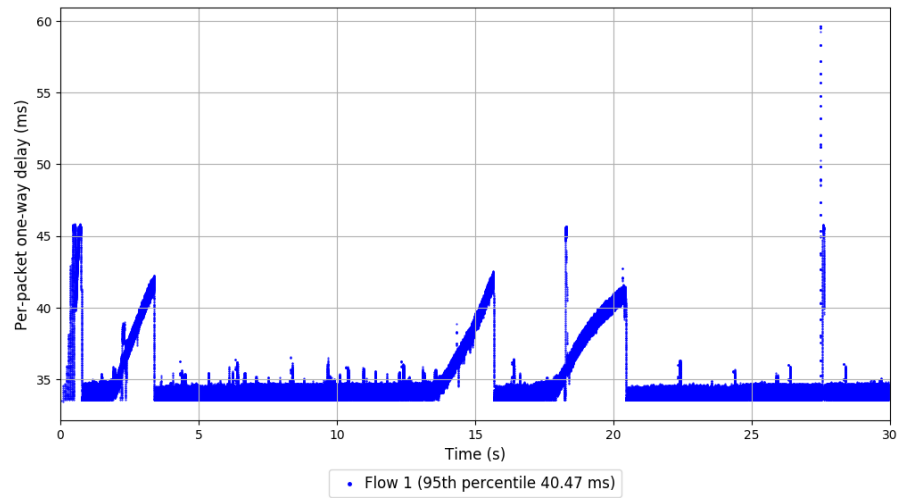
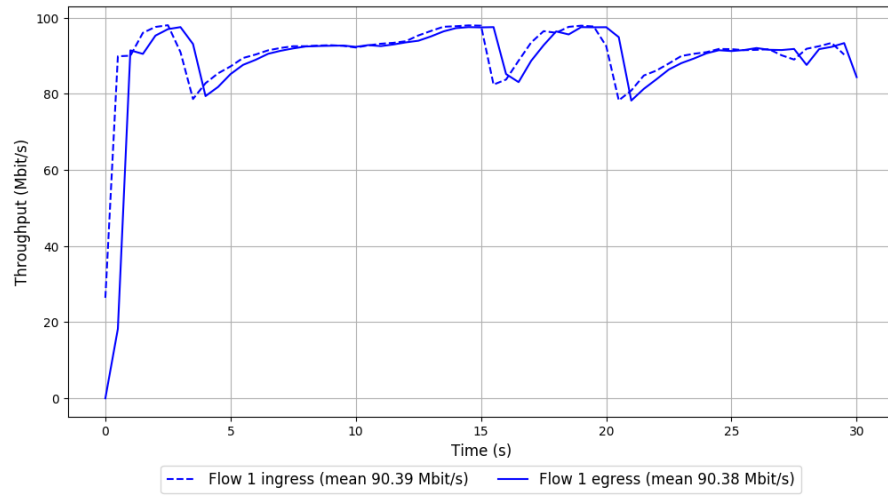


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 18:43:11
End at: 2018-08-09 18:43:41
Local clock offset: 0.325 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-08-09 21:10:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 40.466 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 40.466 ms
Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link

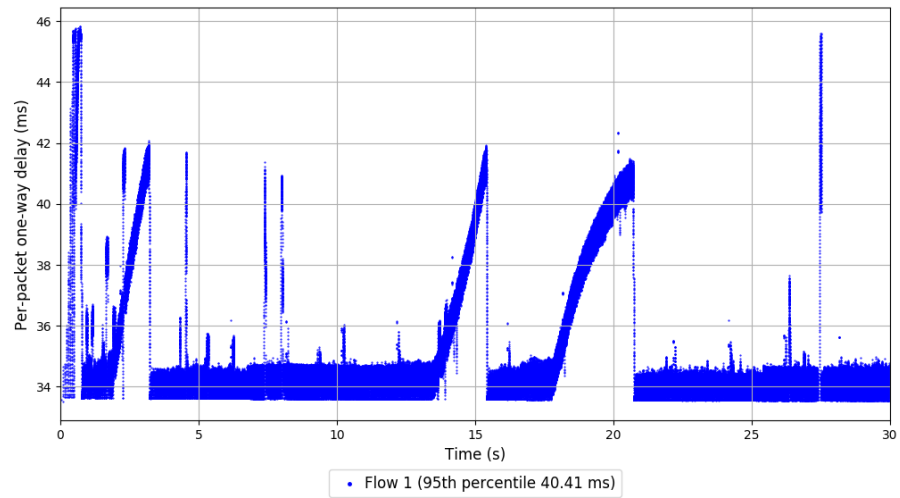
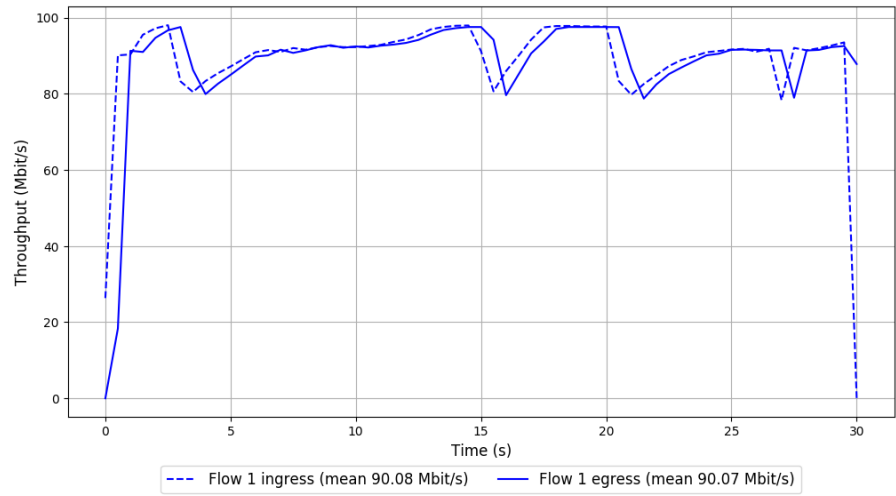


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 19:05:32
End at: 2018-08-09 19:06:02
Local clock offset: -0.213 ms
Remote clock offset: -0.623 ms

Below is generated by plot.py at 2018-08-09 21:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 40.409 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 40.409 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link

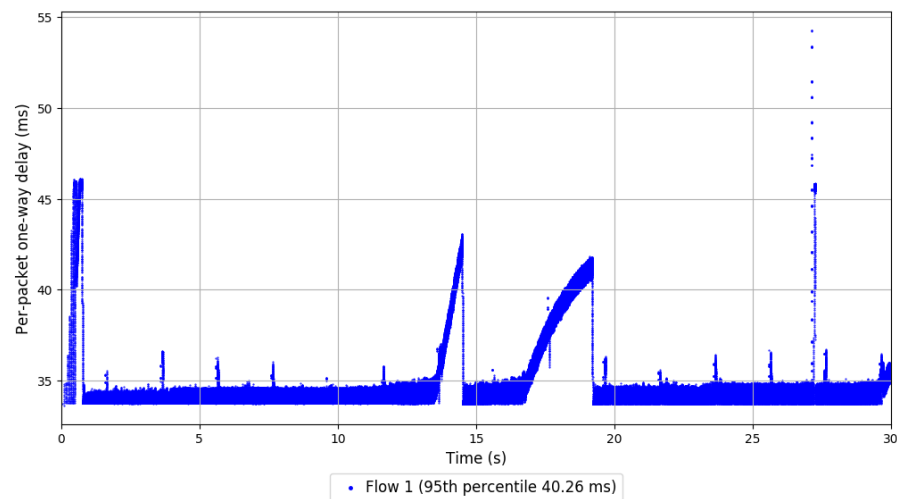
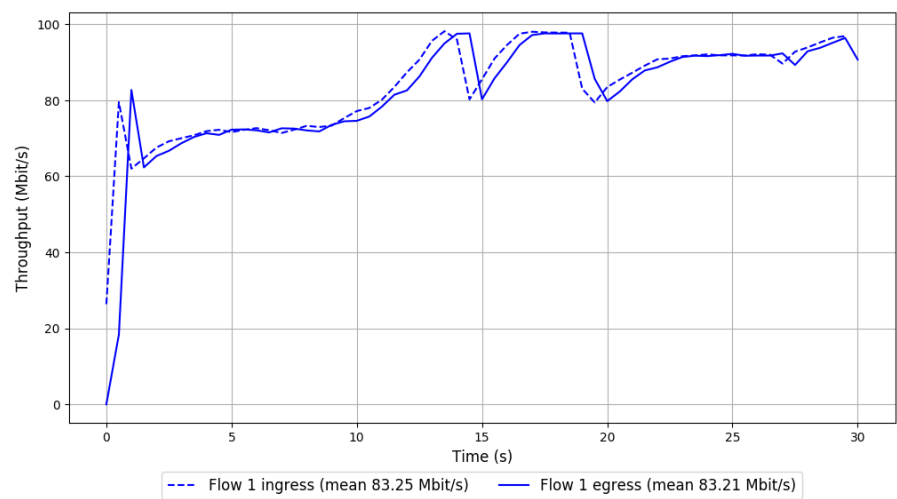


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 19:27:56
End at: 2018-08-09 19:28:26
Local clock offset: -0.488 ms
Remote clock offset: -2.826 ms

Below is generated by plot.py at 2018-08-09 21:11:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 40.263 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 40.263 ms
Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link

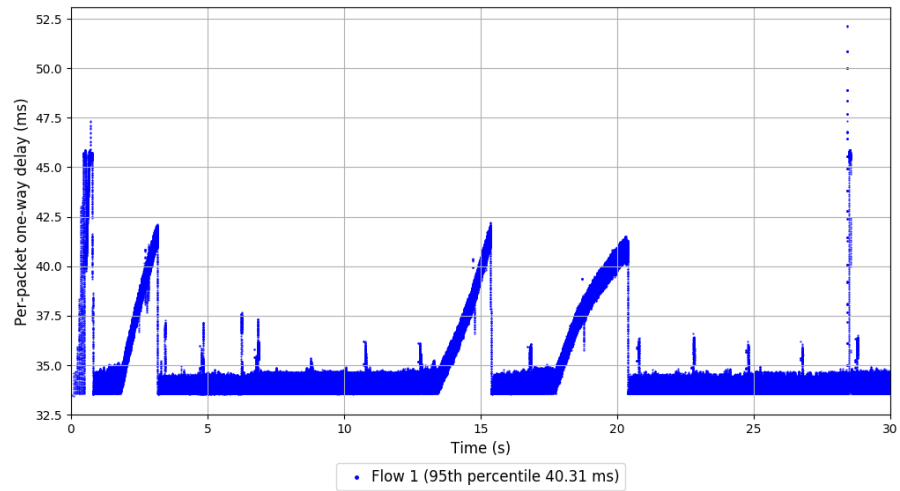
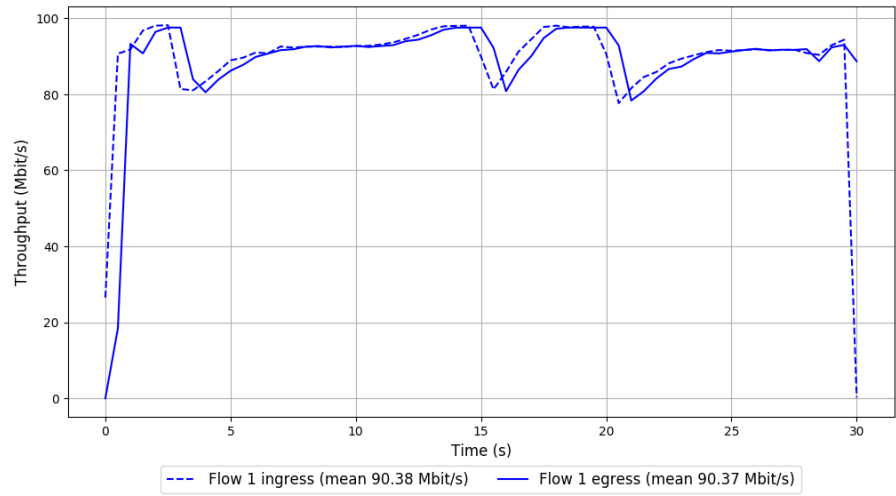


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 19:50:25
End at: 2018-08-09 19:50:55
Local clock offset: -0.591 ms
Remote clock offset: -1.999 ms

Below is generated by plot.py at 2018-08-09 21:11:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 40.311 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 40.311 ms
Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

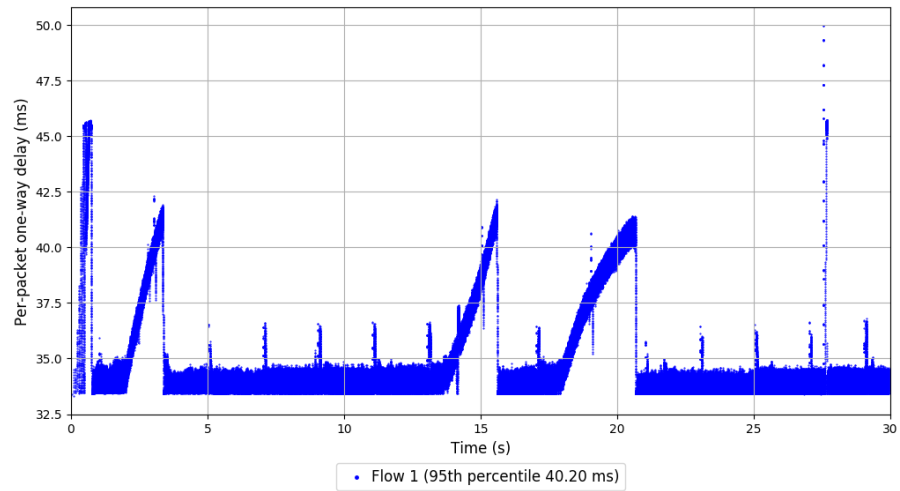
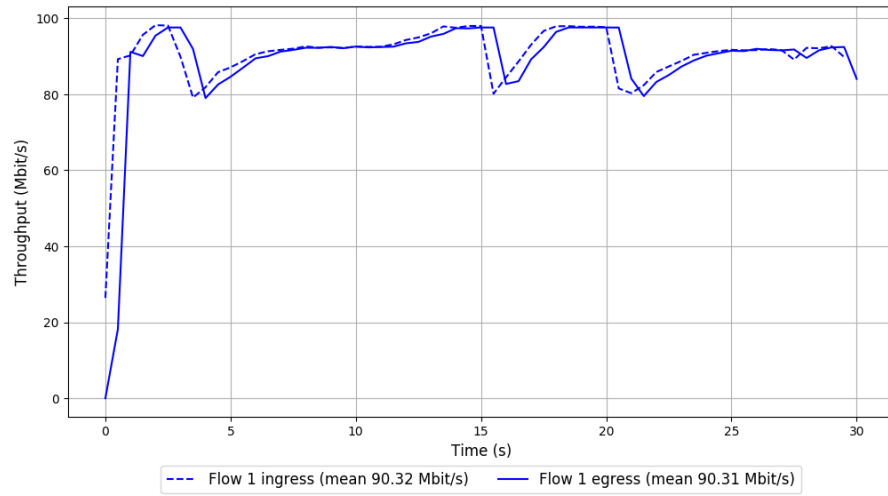


Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 20:12:43
End at: 2018-08-09 20:13:13
Local clock offset: -0.652 ms
Remote clock offset: -1.652 ms

Below is generated by plot.py at 2018-08-09 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 40.195 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 40.195 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link

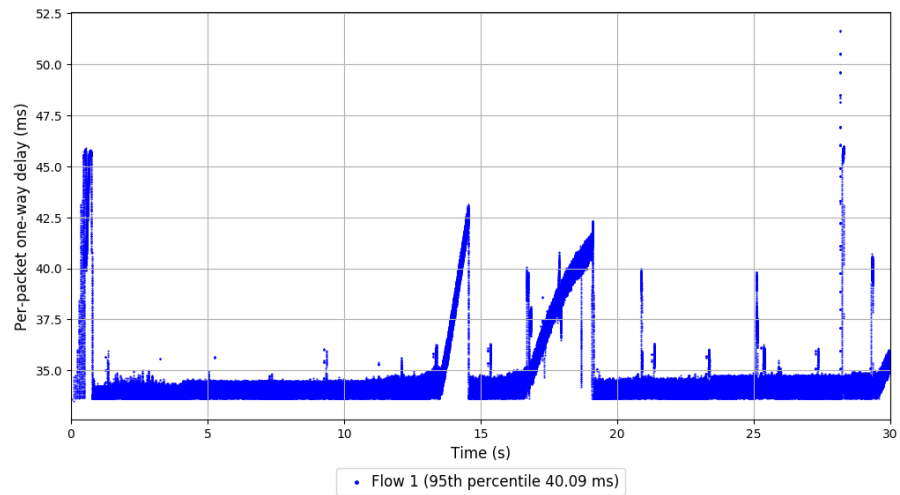
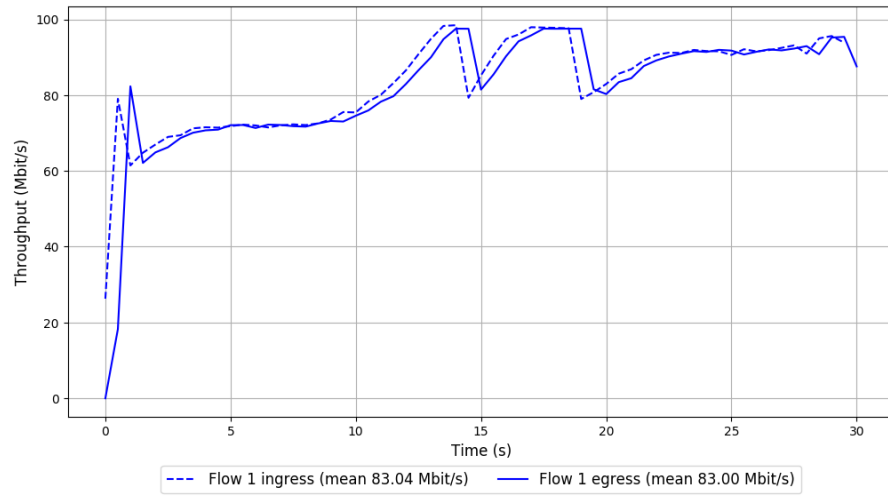


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 20:35:00
End at: 2018-08-09 20:35:30
Local clock offset: -0.26 ms
Remote clock offset: -2.089 ms

Below is generated by plot.py at 2018-08-09 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 40.091 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 40.091 ms
Loss rate: 0.26%

Run 9: Report of TCP Cubic — Data Link

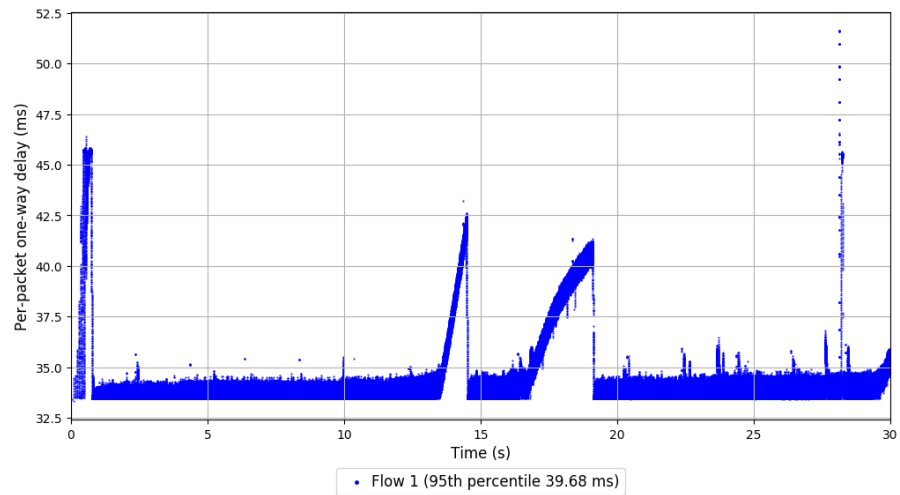
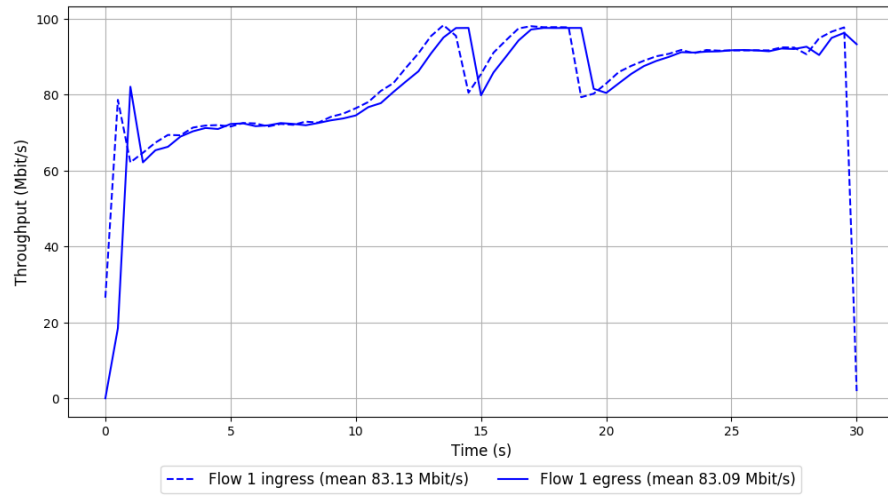


Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 20:57:19
End at: 2018-08-09 20:57:49
Local clock offset: -0.417 ms
Remote clock offset: -2.676 ms

Below is generated by plot.py at 2018-08-09 21:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 39.684 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.09 Mbit/s
95th percentile per-packet one-way delay: 39.684 ms
Loss rate: 0.26%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-09 17:39:05

End at: 2018-08-09 17:39:35

Local clock offset: 0.337 ms

Remote clock offset: 1.317 ms

Below is generated by plot.py at 2018-08-09 21:12:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 43.956 ms

Loss rate: 0.25%

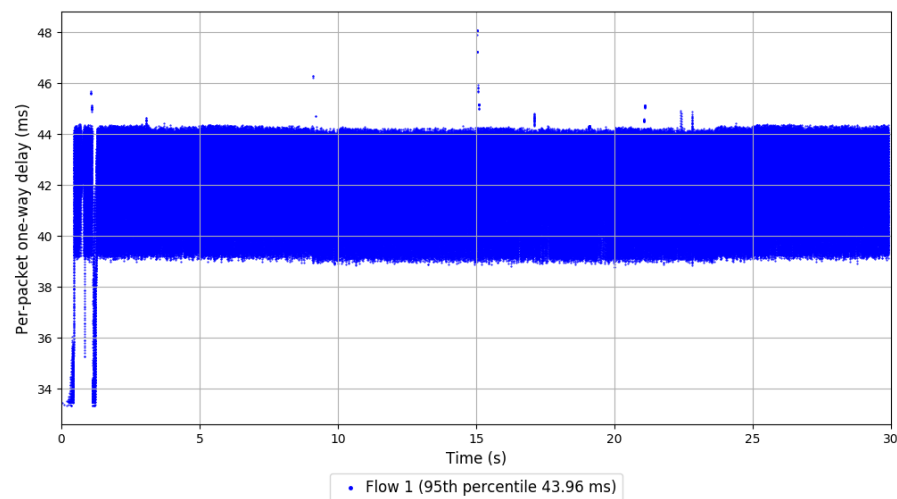
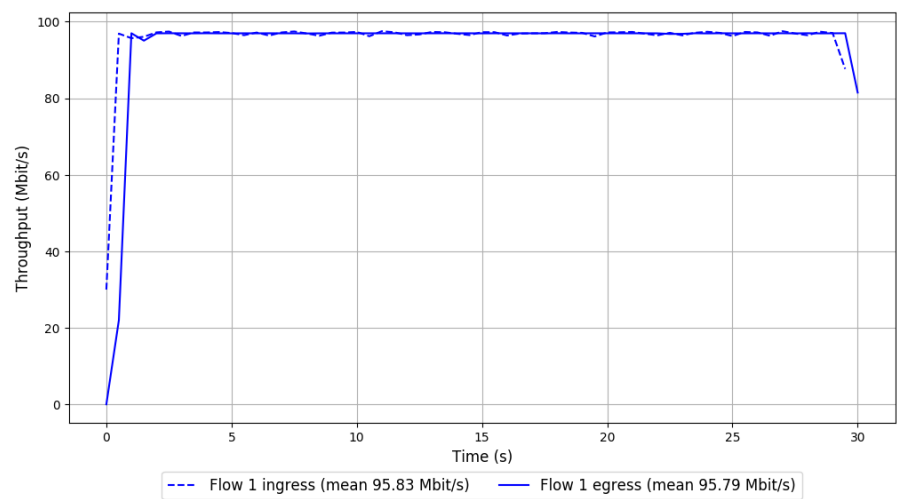
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 43.956 ms

Loss rate: 0.25%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-09 18:01:19

End at: 2018-08-09 18:01:49

Local clock offset: 0.315 ms

Remote clock offset: 0.936 ms

Below is generated by plot.py at 2018-08-09 21:12:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 43.940 ms

Loss rate: 0.25%

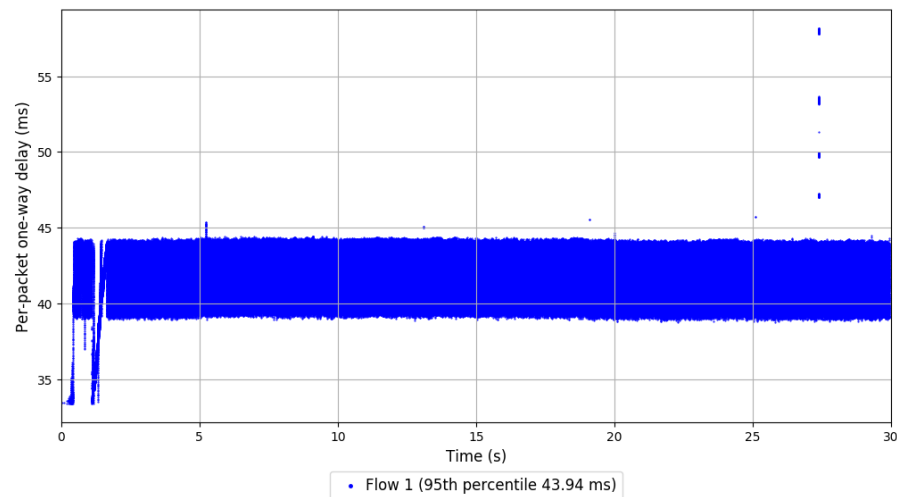
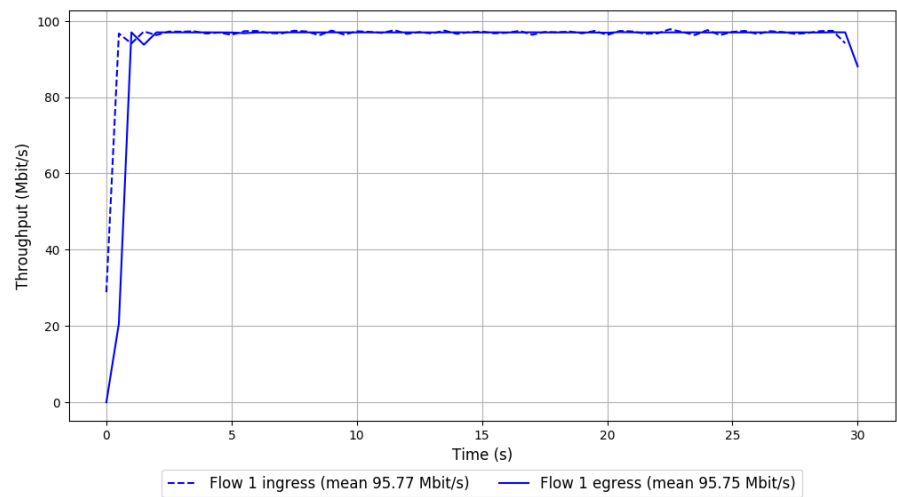
-- Flow 1:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 43.940 ms

Loss rate: 0.25%

Run 2: Report of FillP — Data Link

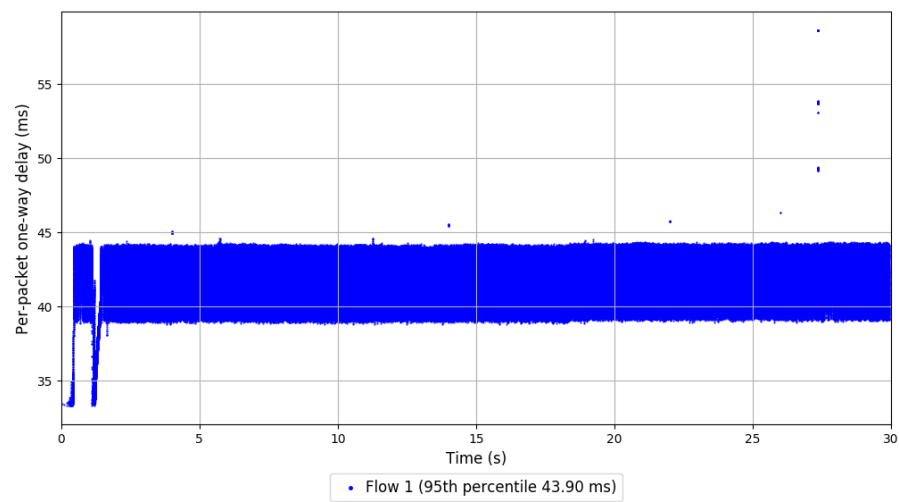
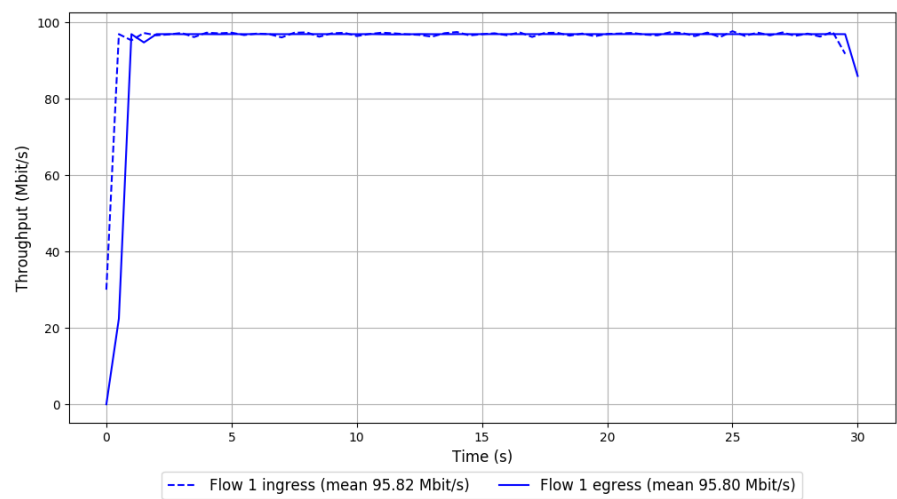


Run 3: Statistics of FillP

Start at: 2018-08-09 18:23:36
End at: 2018-08-09 18:24:06
Local clock offset: 0.204 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-08-09 21:12:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 43.902 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 43.902 ms
Loss rate: 0.24%

Run 3: Report of FillP — Data Link

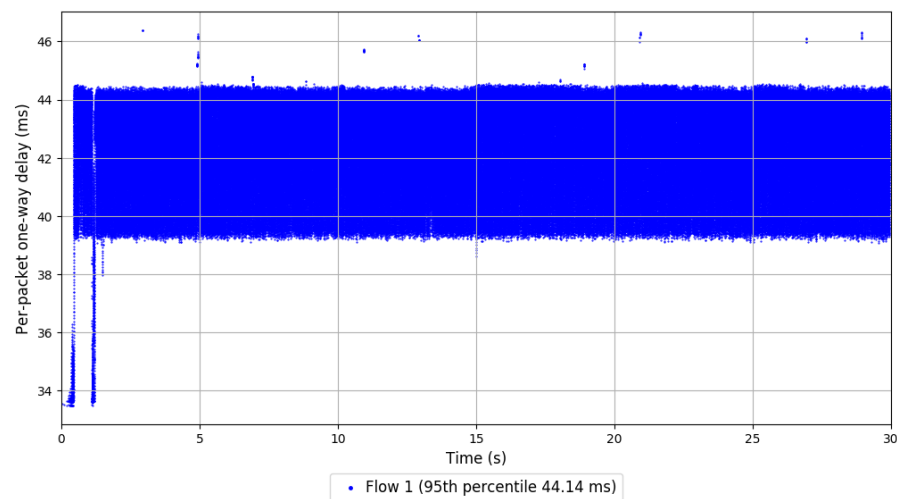
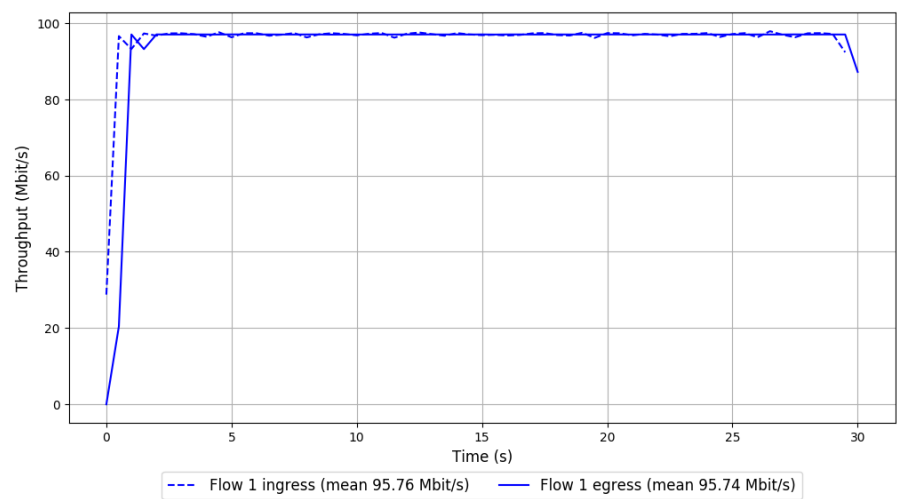


Run 4: Statistics of FillP

Start at: 2018-08-09 18:45:49
End at: 2018-08-09 18:46:19
Local clock offset: 0.327 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-08-09 21:12:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 44.140 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 44.140 ms
Loss rate: 0.24%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

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

End at: 2018-08-09 19:08:43

Local clock offset: -0.122 ms

Remote clock offset: -0.96 ms

Below is generated by plot.py at 2018-08-09 21:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 43.993 ms

Loss rate: 0.26%

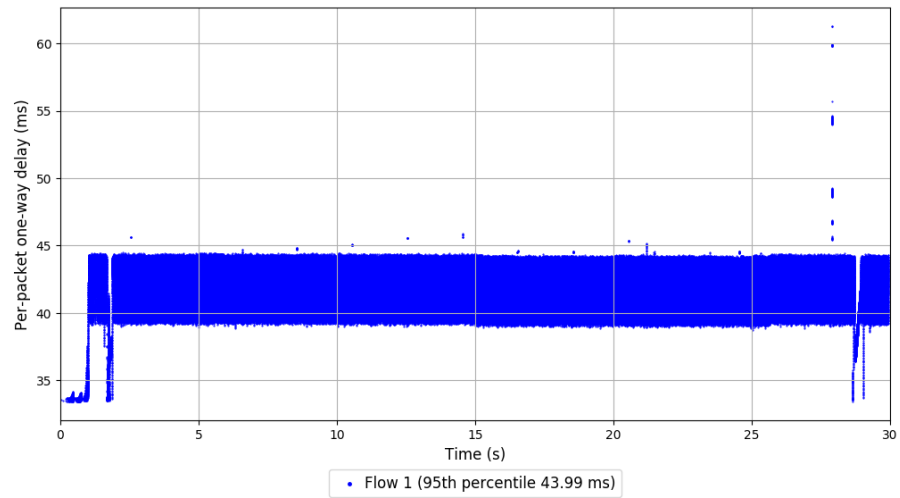
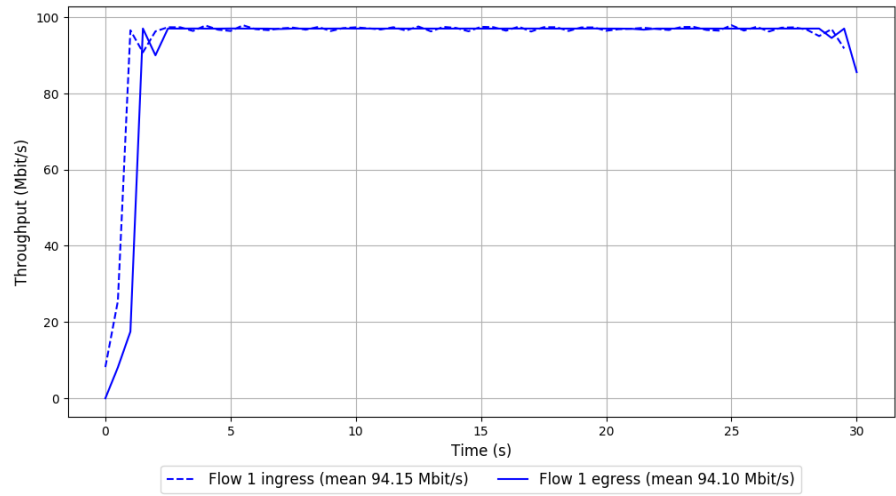
-- Flow 1:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 43.993 ms

Loss rate: 0.26%

Run 5: Report of FillP — Data Link

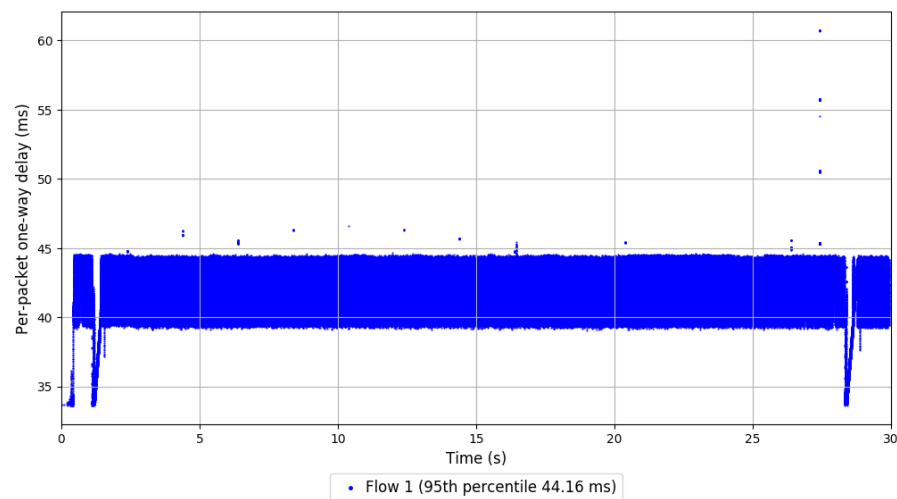
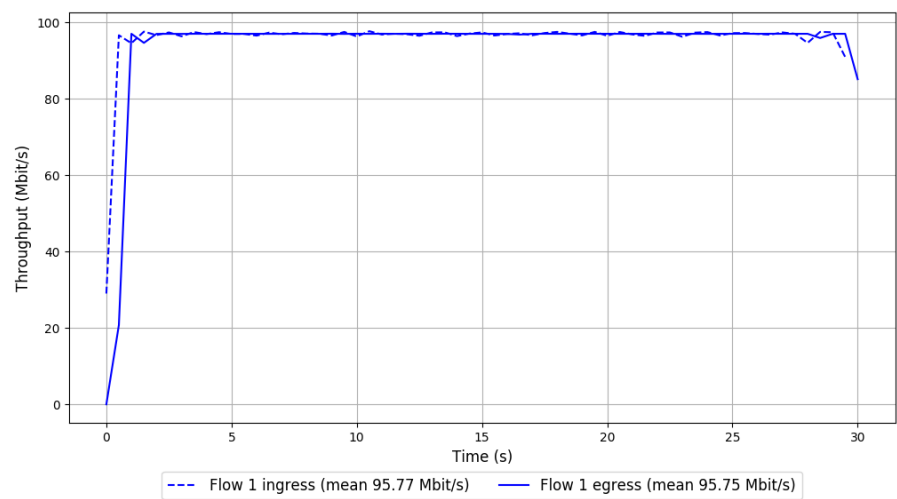


Run 6: Statistics of FillP

Start at: 2018-08-09 19:30:35
End at: 2018-08-09 19:31:05
Local clock offset: -0.532 ms
Remote clock offset: -3.001 ms

Below is generated by plot.py at 2018-08-09 21:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 44.157 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 44.157 ms
Loss rate: 0.24%

Run 6: Report of FillP — Data Link

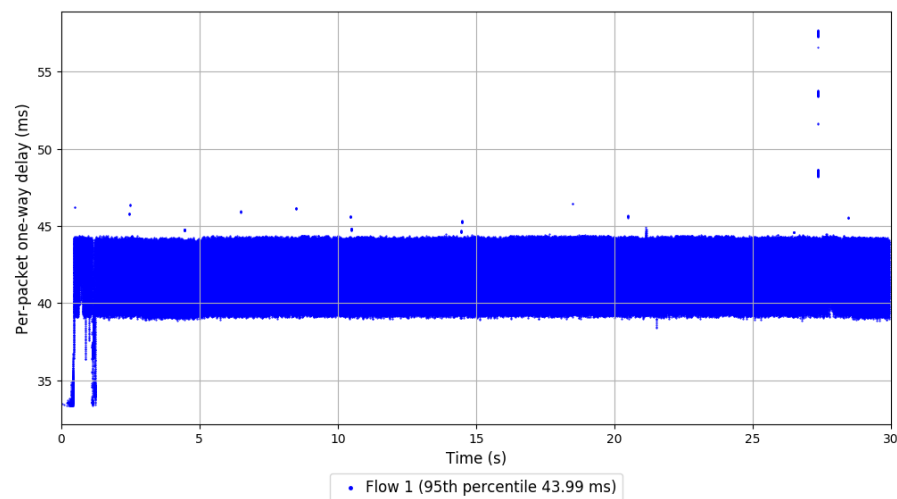
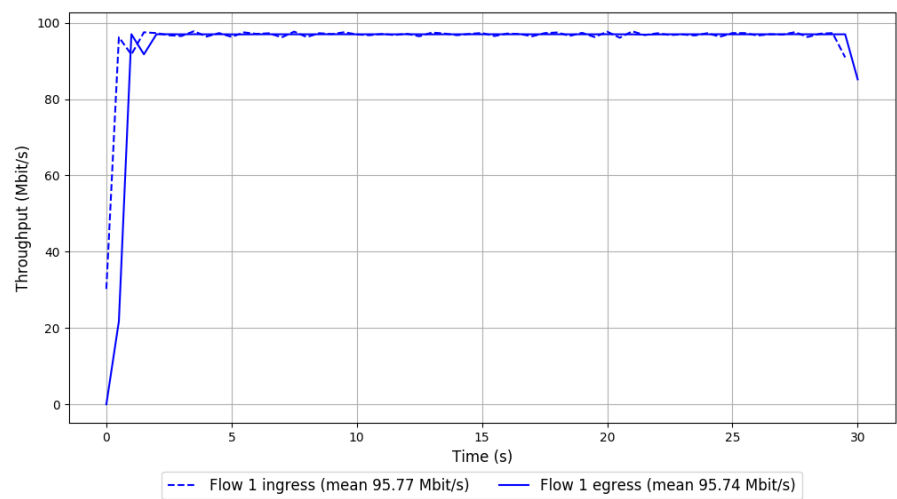


Run 7: Statistics of FillP

Start at: 2018-08-09 19:53:03
End at: 2018-08-09 19:53:33
Local clock offset: -0.674 ms
Remote clock offset: -1.974 ms

Below is generated by plot.py at 2018-08-09 21:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.994 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 43.994 ms
Loss rate: 0.24%

Run 7: Report of FillP — Data Link

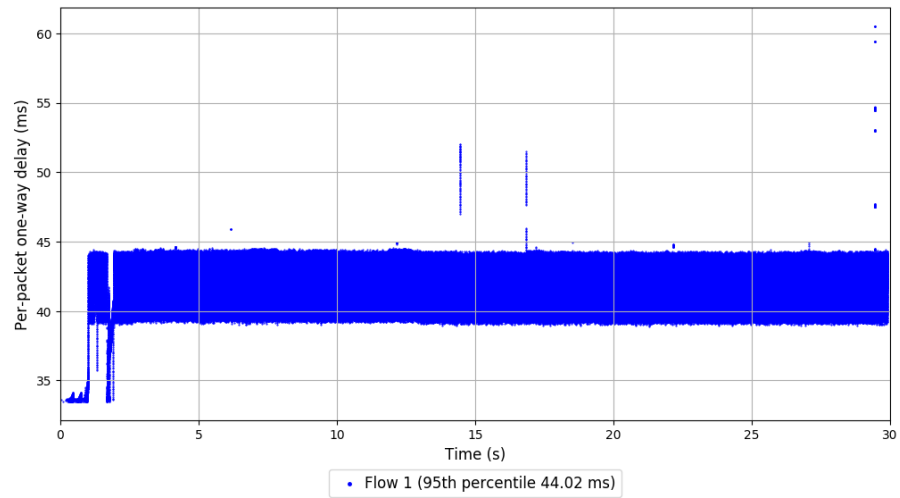
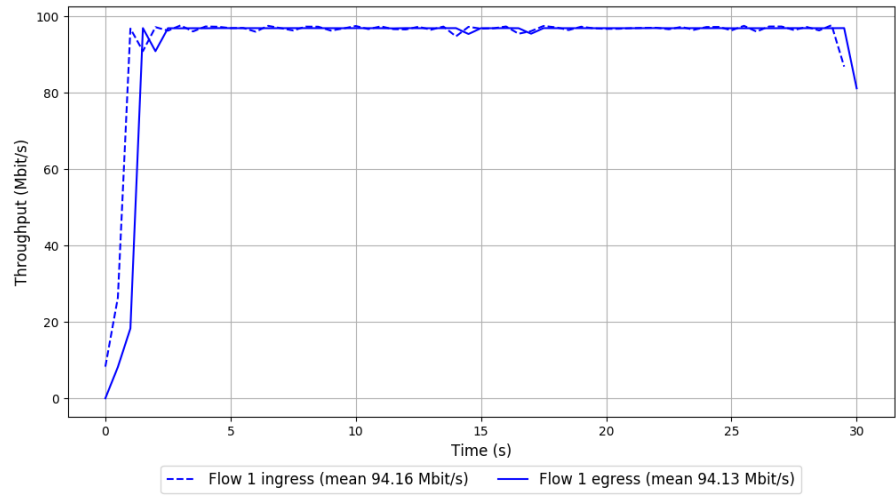


Run 8: Statistics of FillP

Start at: 2018-08-09 20:15:22
End at: 2018-08-09 20:15:52
Local clock offset: -0.56 ms
Remote clock offset: -1.872 ms

Below is generated by plot.py at 2018-08-09 21:12:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 44.018 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 44.018 ms
Loss rate: 0.25%

Run 8: Report of FillP — Data Link

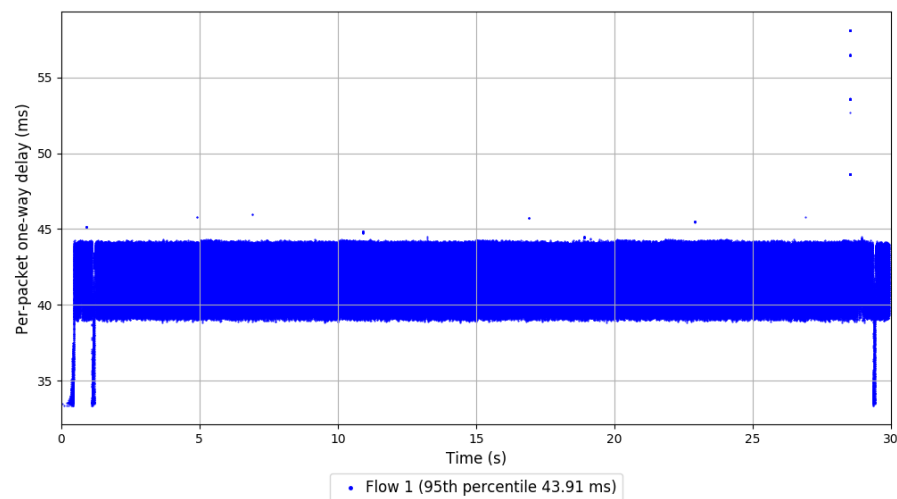
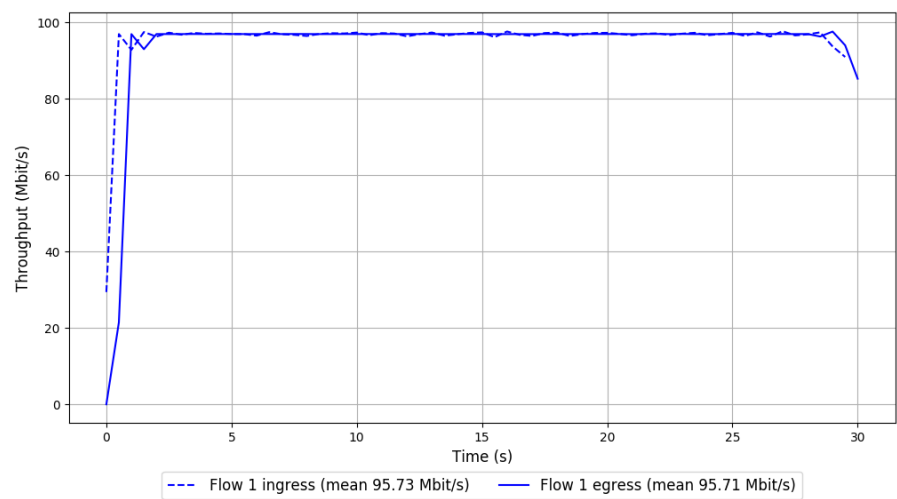


Run 9: Statistics of FillP

Start at: 2018-08-09 20:37:39
End at: 2018-08-09 20:38:09
Local clock offset: -0.236 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2018-08-09 21:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 43.906 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 43.906 ms
Loss rate: 0.24%

Run 9: Report of FillP — Data Link

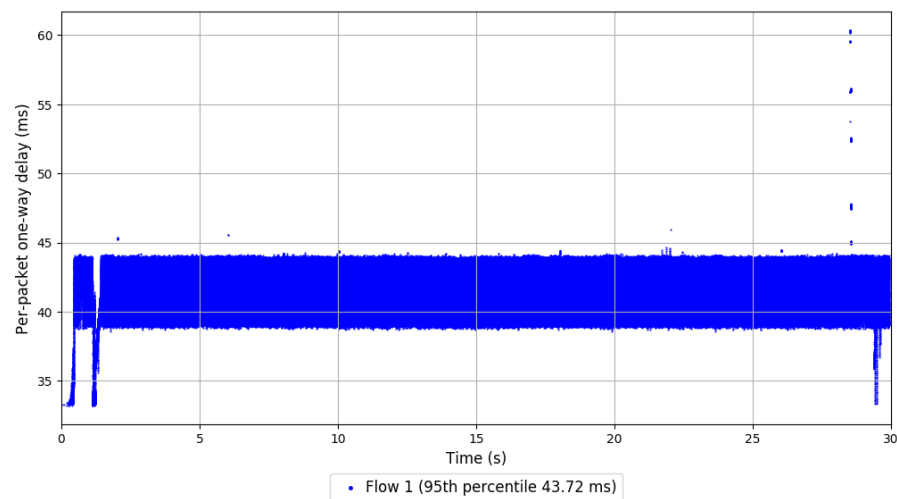
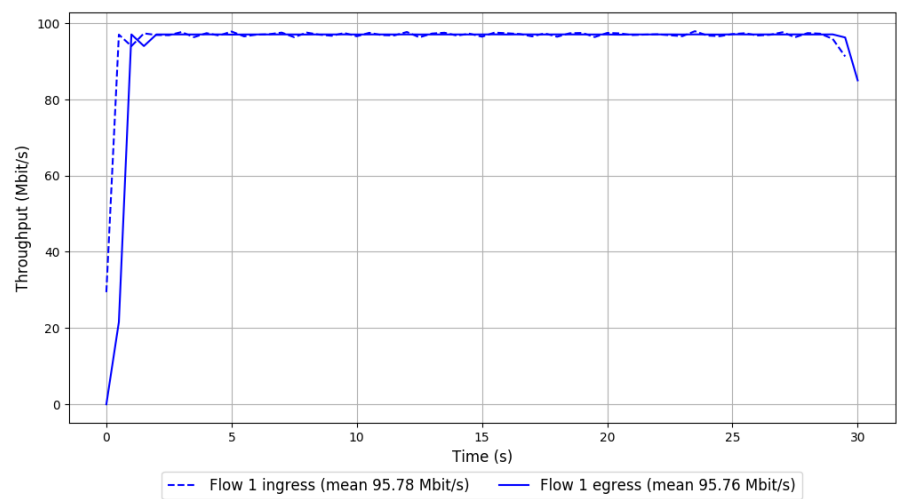


Run 10: Statistics of FillP

Start at: 2018-08-09 20:59:58
End at: 2018-08-09 21:00:28
Local clock offset: -0.55 ms
Remote clock offset: -2.834 ms

Below is generated by plot.py at 2018-08-09 21:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 43.722 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 43.722 ms
Loss rate: 0.25%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 17:20:47

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

Local clock offset: 0.157 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-08-09 21:13:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 43.803 ms

Loss rate: 0.26%

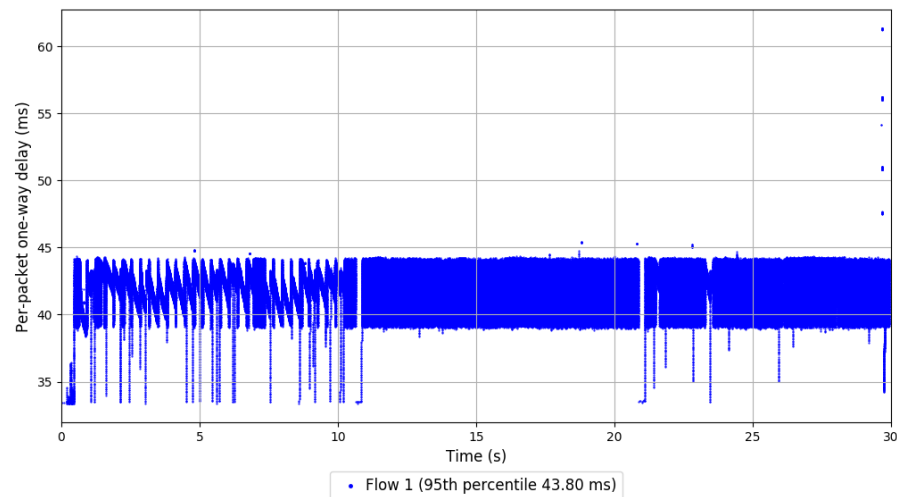
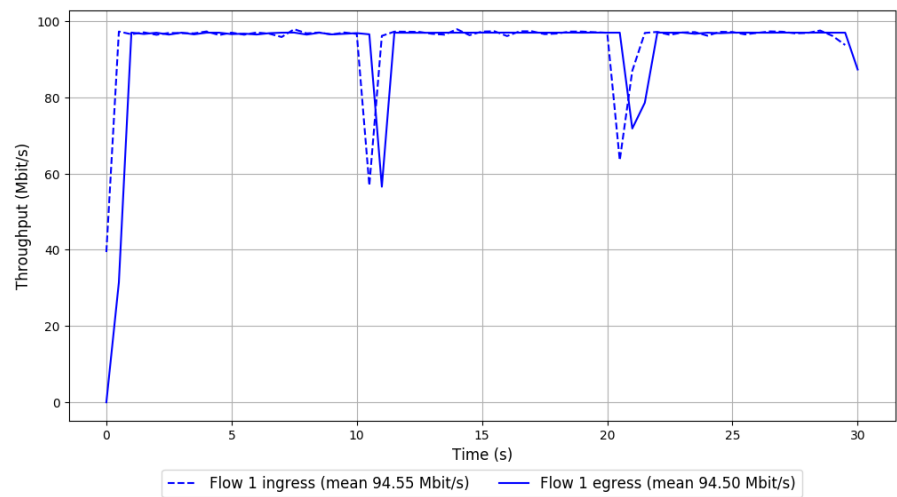
-- Flow 1:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 43.803 ms

Loss rate: 0.26%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 17:43:01

End at: 2018-08-09 17:43:31

Local clock offset: 0.431 ms

Remote clock offset: 1.576 ms

Below is generated by plot.py at 2018-08-09 21:13:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 43.971 ms

Loss rate: 0.27%

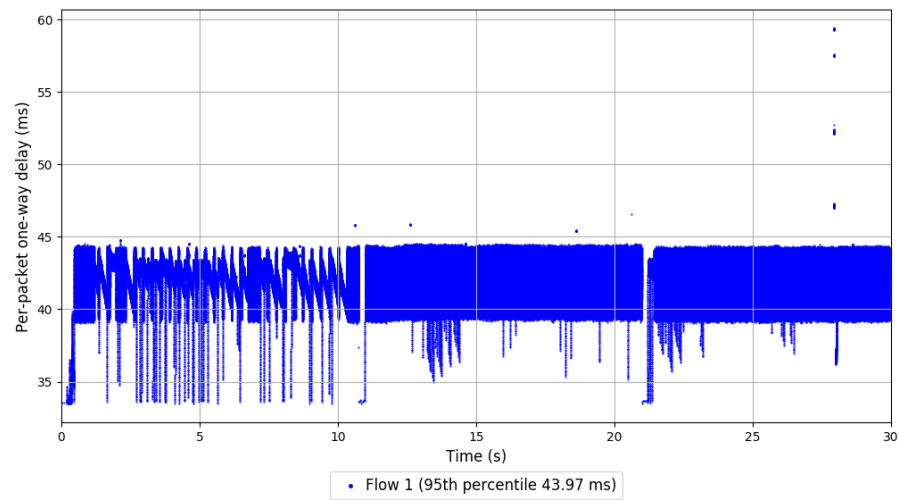
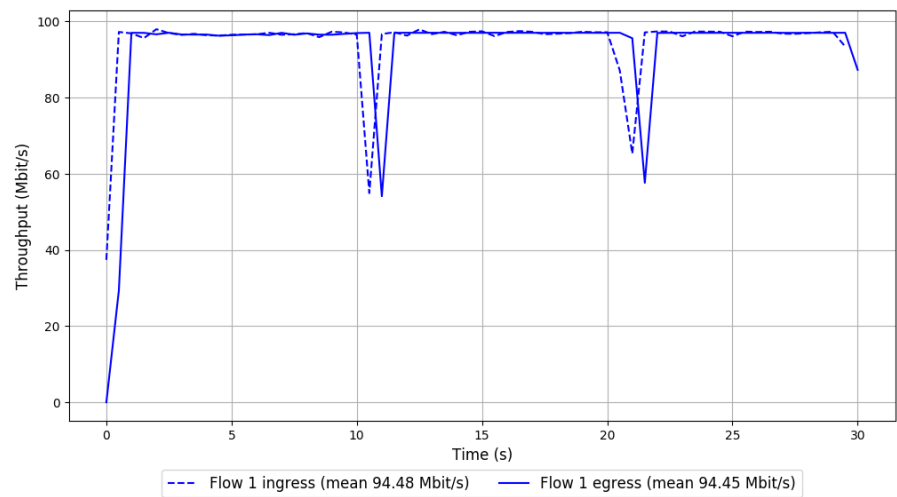
-- Flow 1:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 43.971 ms

Loss rate: 0.27%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 18:05:16

End at: 2018-08-09 18:05:46

Local clock offset: 0.301 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-08-09 21:13:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 43.808 ms

Loss rate: 0.26%

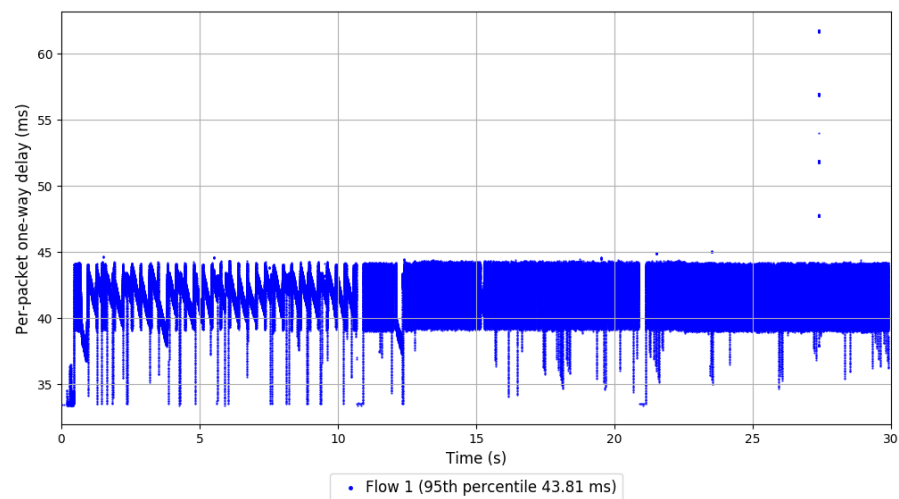
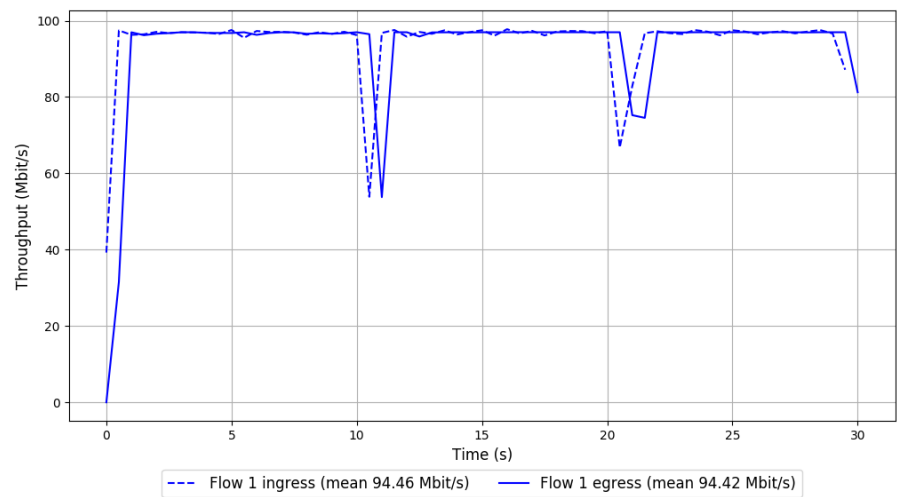
-- Flow 1:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 43.808 ms

Loss rate: 0.26%

Run 3: Report of FillP-Sheep — Data Link

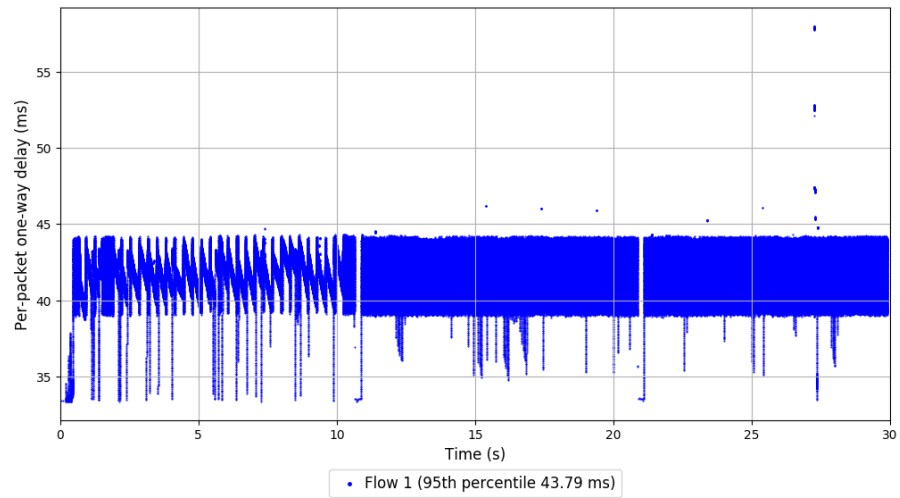
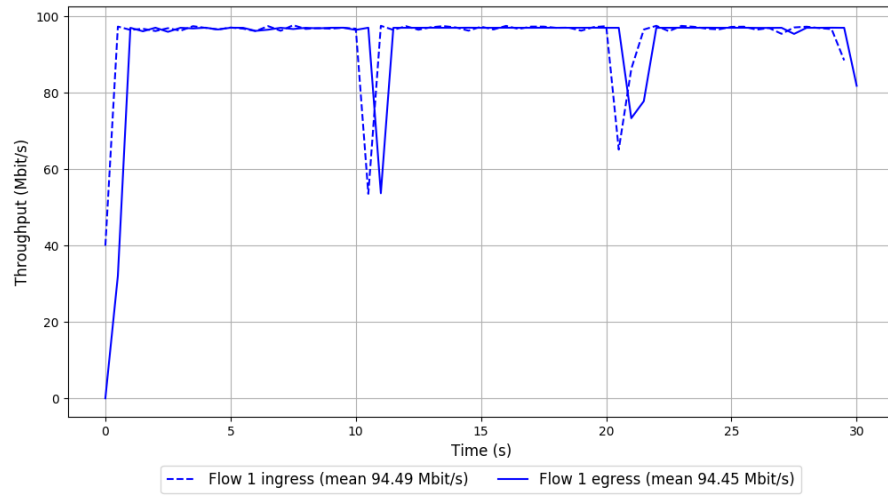


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 18:27:32
End at: 2018-08-09 18:28:02
Local clock offset: 0.201 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-09 21:14:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 43.793 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 43.793 ms
Loss rate: 0.27%

Run 4: Report of FillP-Sheep — Data Link

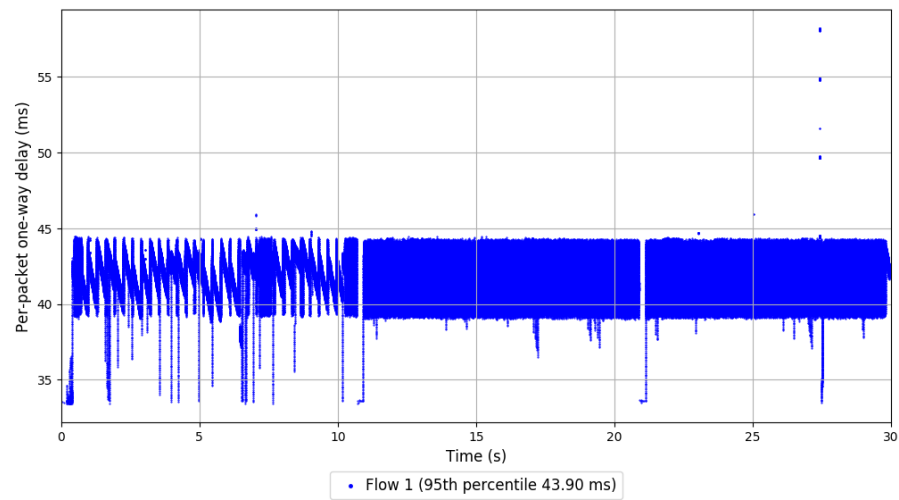
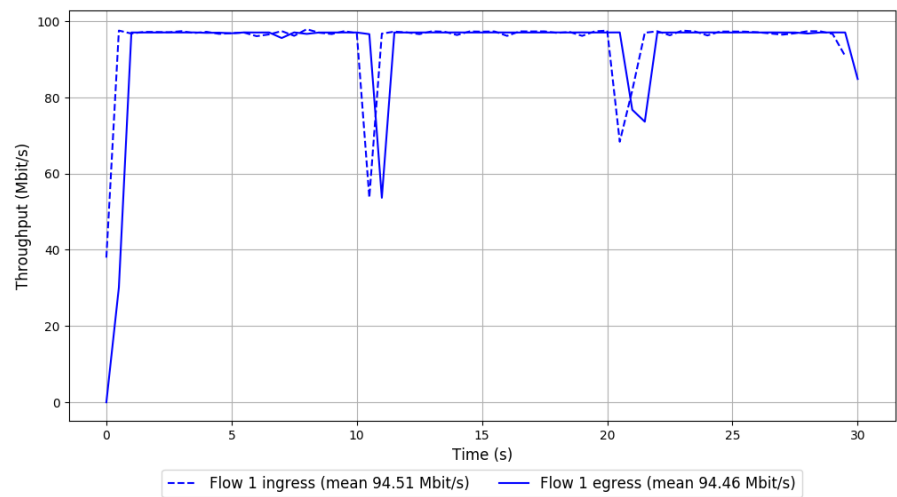


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 18:49:45
End at: 2018-08-09 18:50:15
Local clock offset: 0.148 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-08-09 21:14:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 43.898 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 43.898 ms
Loss rate: 0.26%

Run 5: Report of FillP-Sheep — Data Link

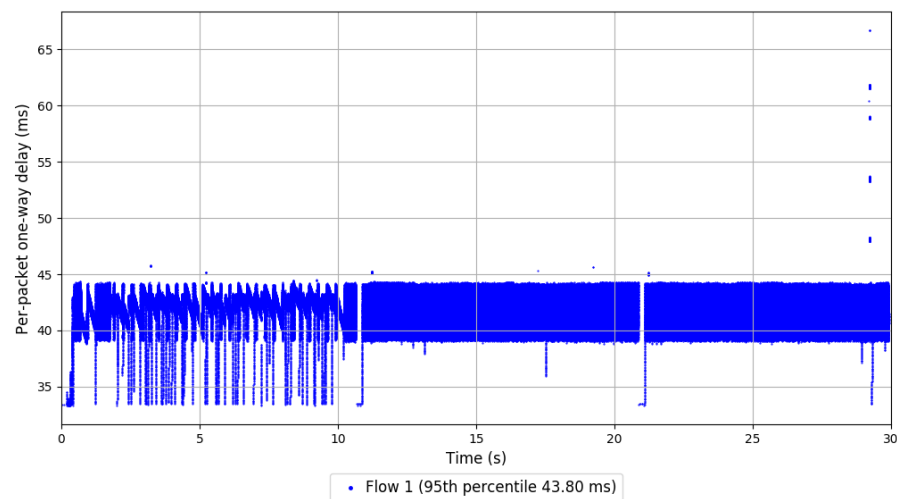
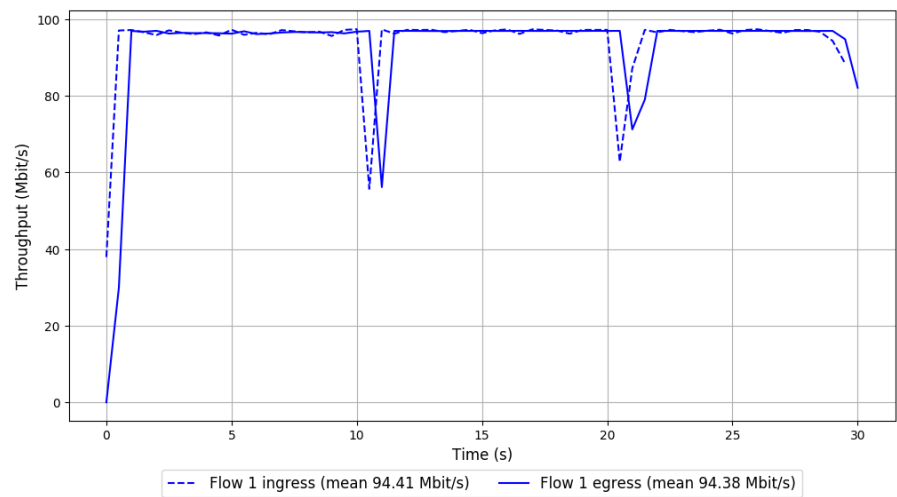


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 19:12:12
End at: 2018-08-09 19:12:42
Local clock offset: -0.243 ms
Remote clock offset: -1.483 ms

Below is generated by plot.py at 2018-08-09 21:14:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 43.805 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 43.805 ms
Loss rate: 0.26%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

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

End at: 2018-08-09 19:35:04

Local clock offset: -0.588 ms

Remote clock offset: -2.9 ms

Below is generated by plot.py at 2018-08-09 21:15:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 43.838 ms

Loss rate: 0.27%

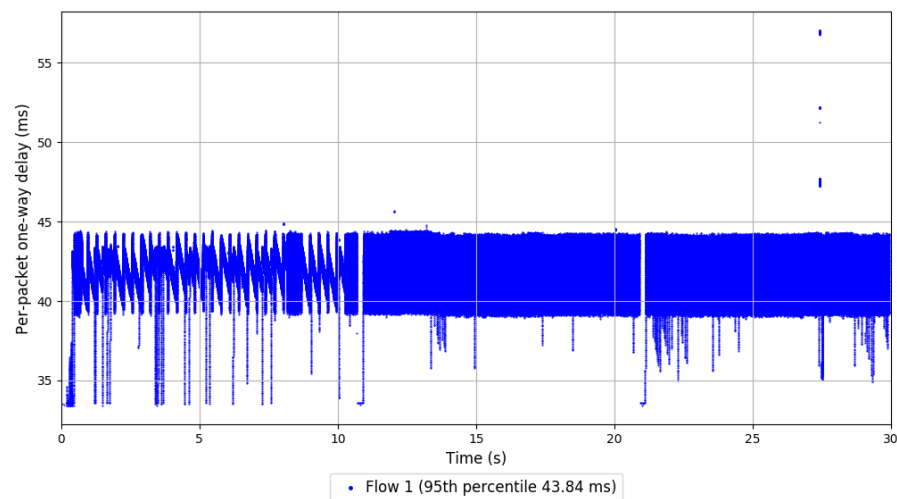
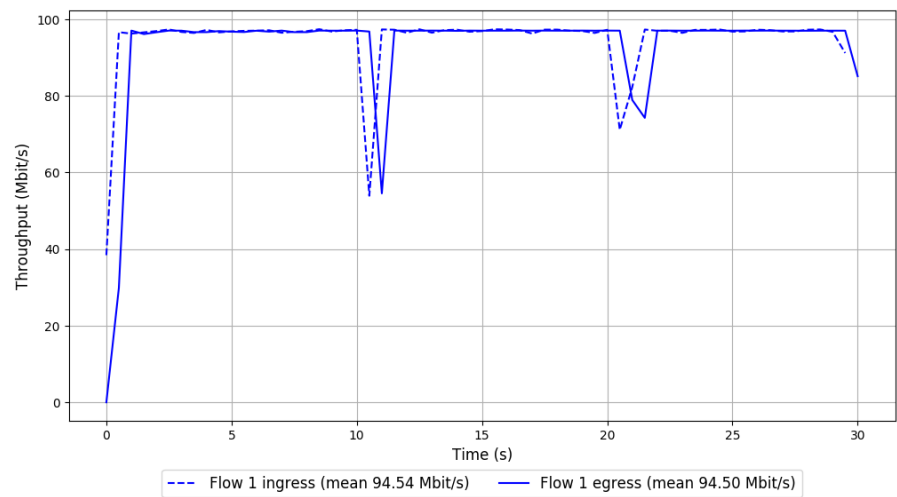
-- Flow 1:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 43.838 ms

Loss rate: 0.27%

Run 7: Report of FillP-Sheep — Data Link

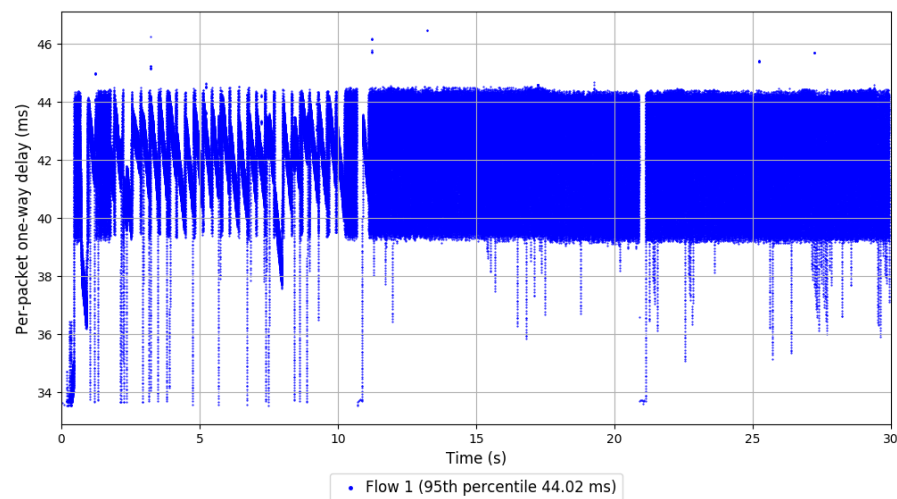
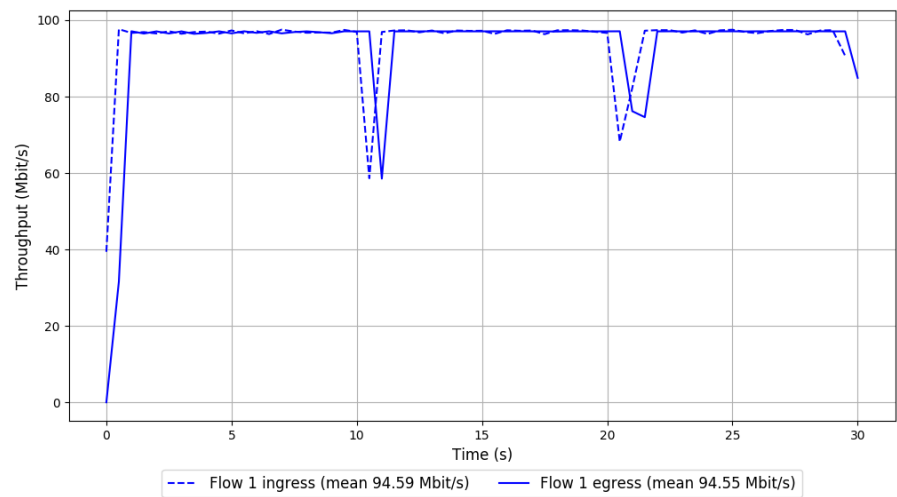


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 19:57:00
End at: 2018-08-09 19:57:31
Local clock offset: -0.659 ms
Remote clock offset: -1.918 ms

Below is generated by plot.py at 2018-08-09 21:15:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 44.016 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 44.016 ms
Loss rate: 0.26%

Run 8: Report of FillP-Sheep — Data Link

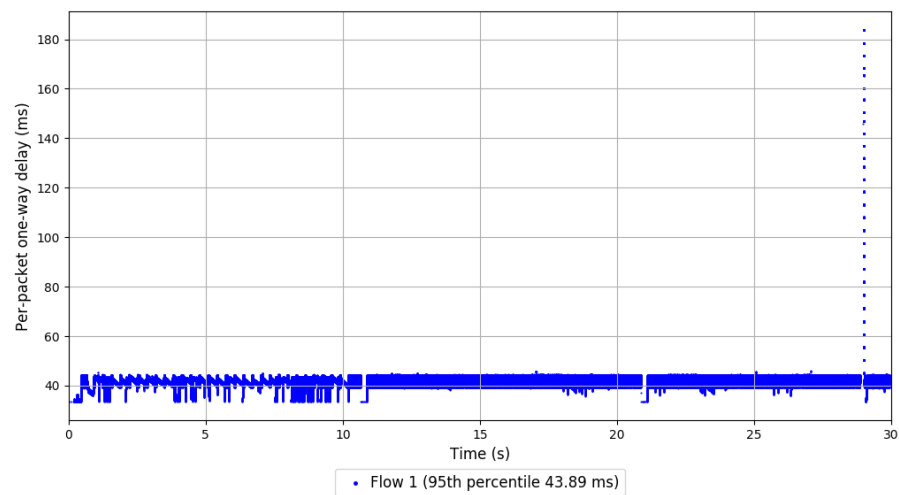
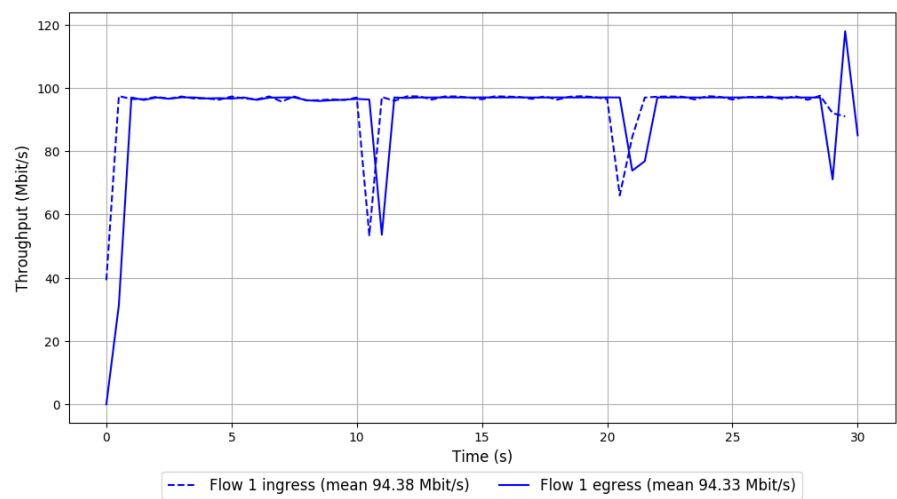


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 20:19:19
End at: 2018-08-09 20:19:49
Local clock offset: -0.541 ms
Remote clock offset: -1.963 ms

Below is generated by plot.py at 2018-08-09 21:15:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 43.888 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 43.888 ms
Loss rate: 0.26%

Run 9: Report of FillP-Sheep — Data Link

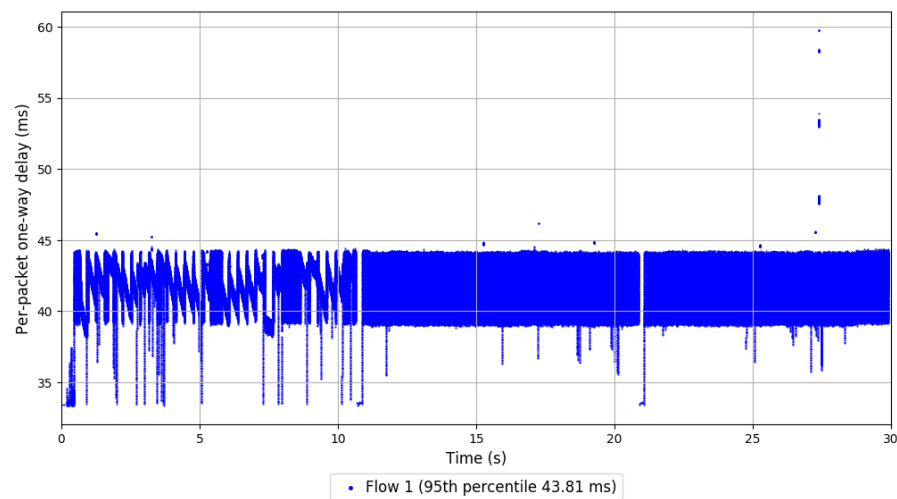
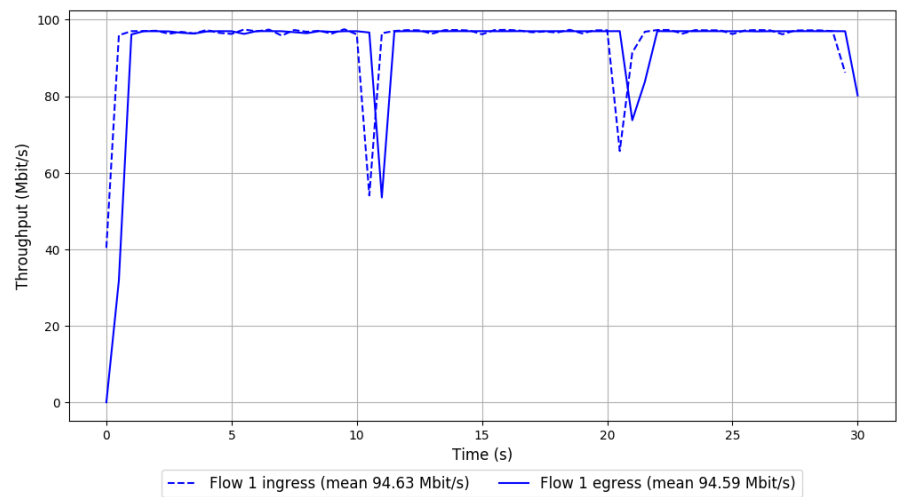


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 20:41:36
End at: 2018-08-09 20:42:06
Local clock offset: -0.219 ms
Remote clock offset: -1.915 ms

Below is generated by plot.py at 2018-08-09 21:15:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 43.814 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 43.814 ms
Loss rate: 0.26%

Run 10: Report of FillP-Sheep — Data Link

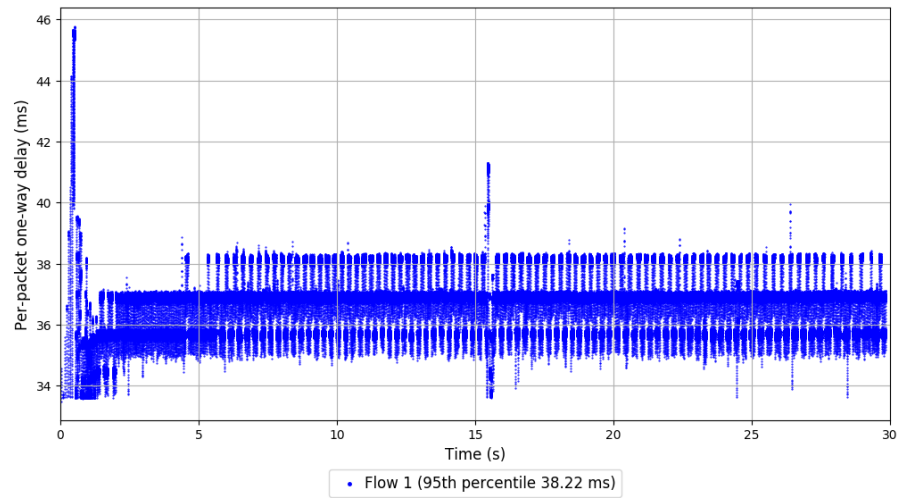
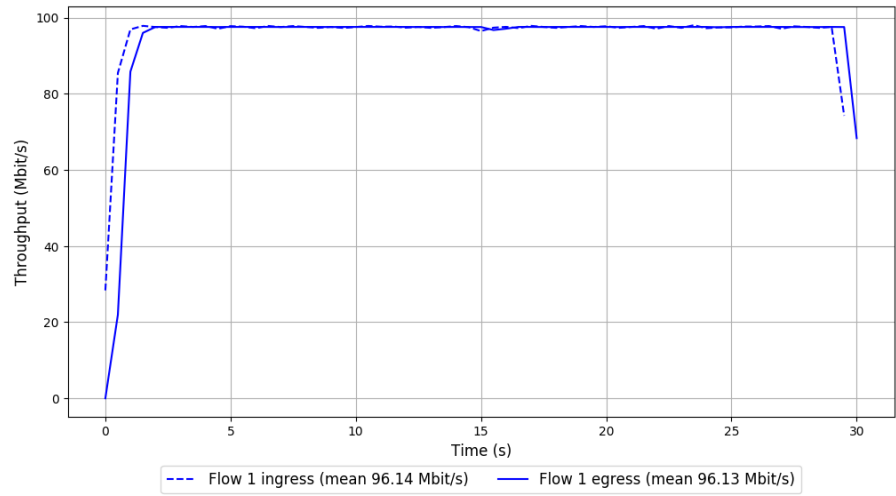


```
Run 1: Statistics of Indigo

Start at: 2018-08-09 17:41:41
End at: 2018-08-09 17:42:11
Local clock offset: 0.433 ms
Remote clock offset: 1.479 ms

# Below is generated by plot.py at 2018-08-09 21:15:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 38.217 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 38.217 ms
Loss rate: 0.22%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-09 18:03:56

End at: 2018-08-09 18:04:26

Local clock offset: 0.308 ms

Remote clock offset: 0.5 ms

Below is generated by plot.py at 2018-08-09 21:15:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 38.274 ms

Loss rate: 0.23%

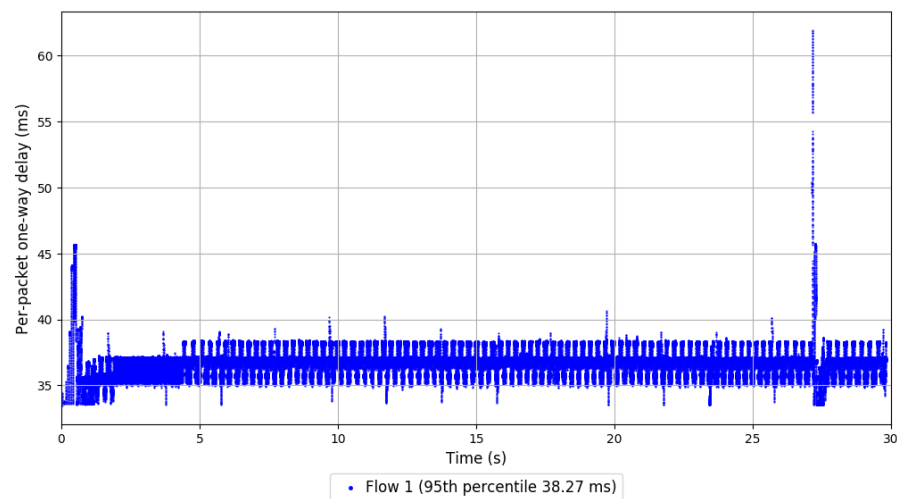
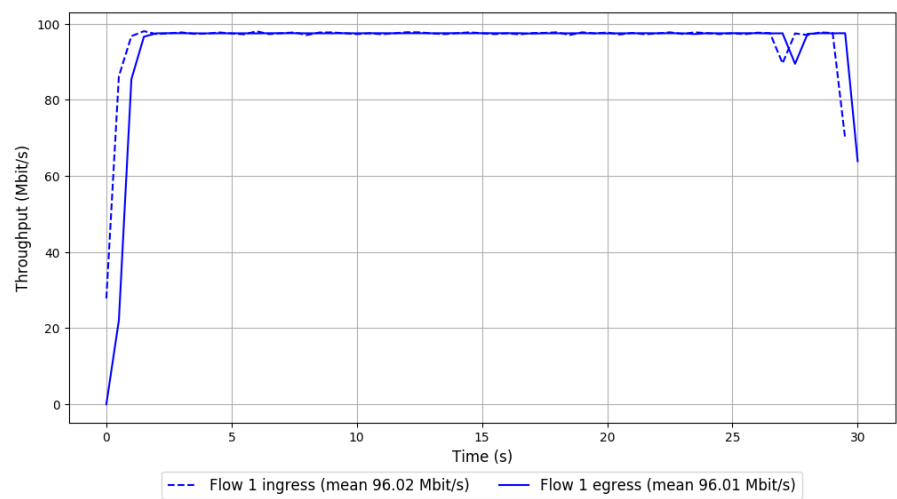
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 38.274 ms

Loss rate: 0.23%

Run 2: Report of Indigo — Data Link

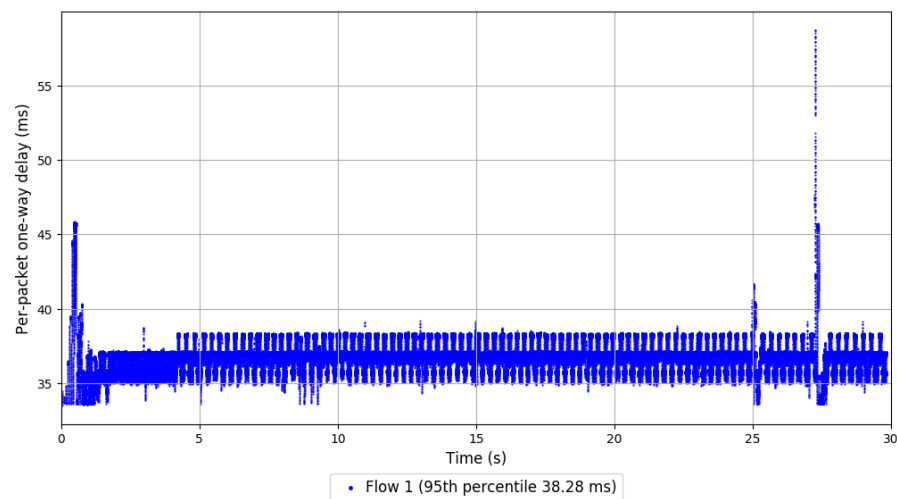
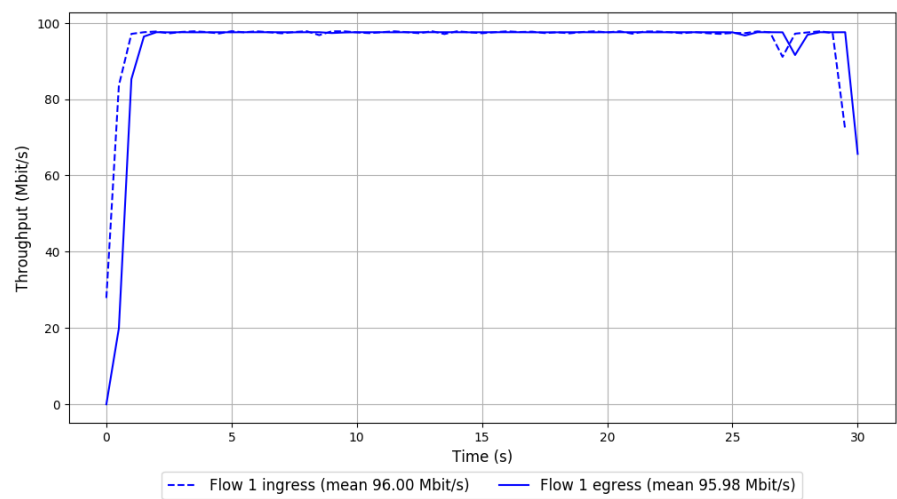


Run 3: Statistics of Indigo

Start at: 2018-08-09 18:26:13
End at: 2018-08-09 18:26:43
Local clock offset: 0.311 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-09 21:15:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 38.282 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 38.282 ms
Loss rate: 0.23%

Run 3: Report of Indigo — Data Link

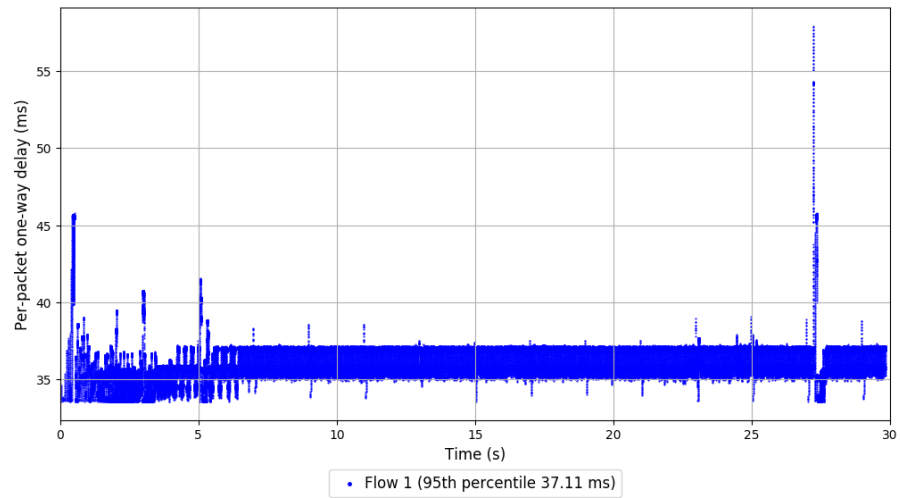
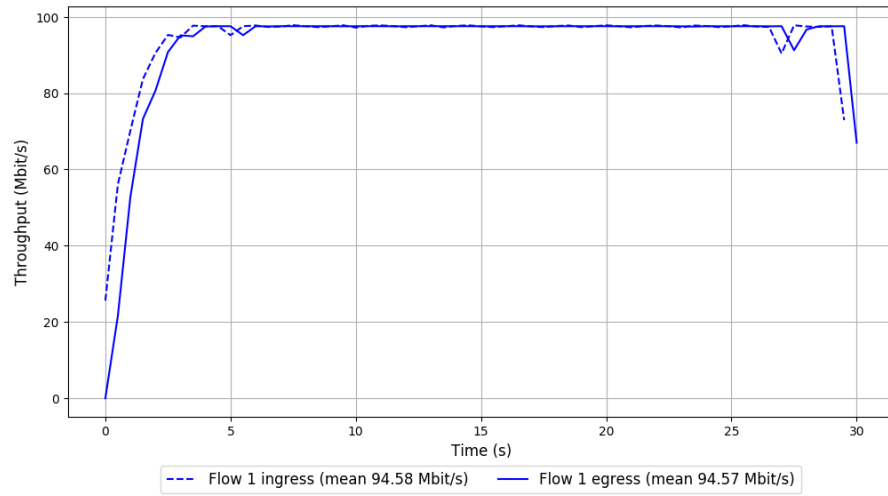


Run 4: Statistics of Indigo

Start at: 2018-08-09 18:48:25
End at: 2018-08-09 18:48:55
Local clock offset: 0.195 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-08-09 21:15:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 37.110 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 37.110 ms
Loss rate: 0.23%

Run 4: Report of Indigo — Data Link

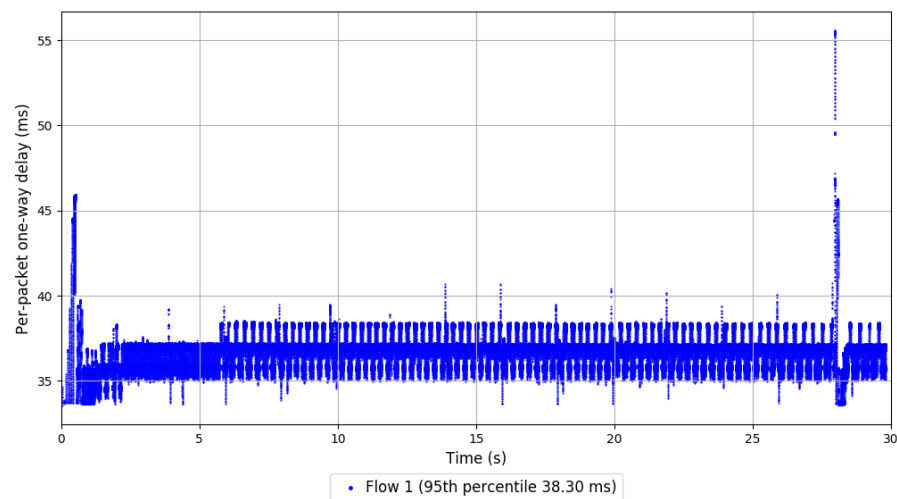
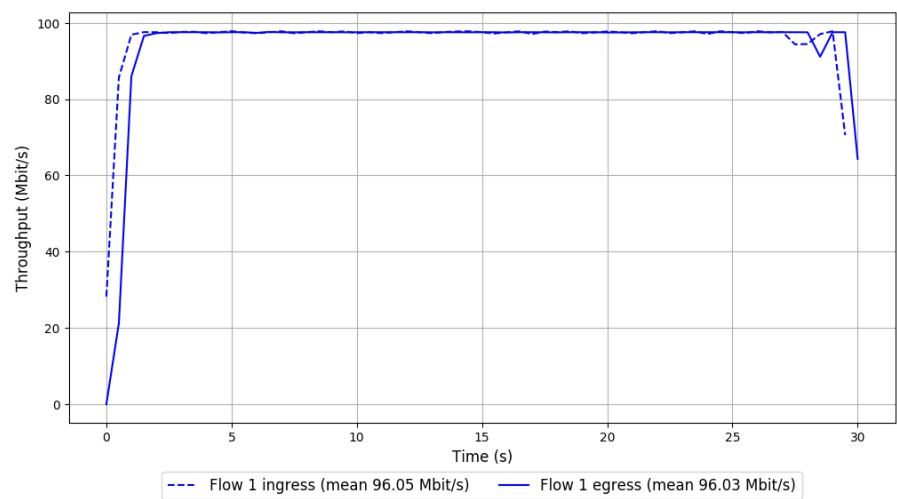


Run 5: Statistics of Indigo

Start at: 2018-08-09 19:10:52
End at: 2018-08-09 19:11:22
Local clock offset: -0.233 ms
Remote clock offset: -1.501 ms

Below is generated by plot.py at 2018-08-09 21:16:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 38.302 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 38.302 ms
Loss rate: 0.23%

Run 5: Report of Indigo — Data Link

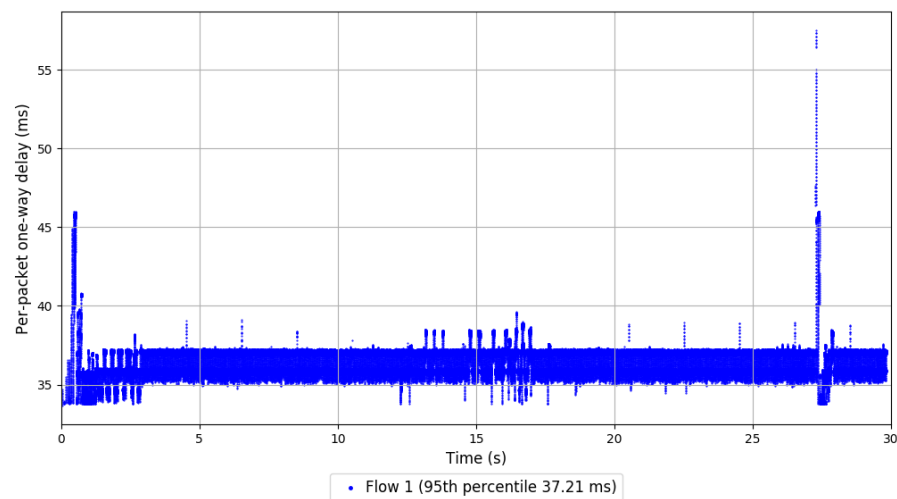
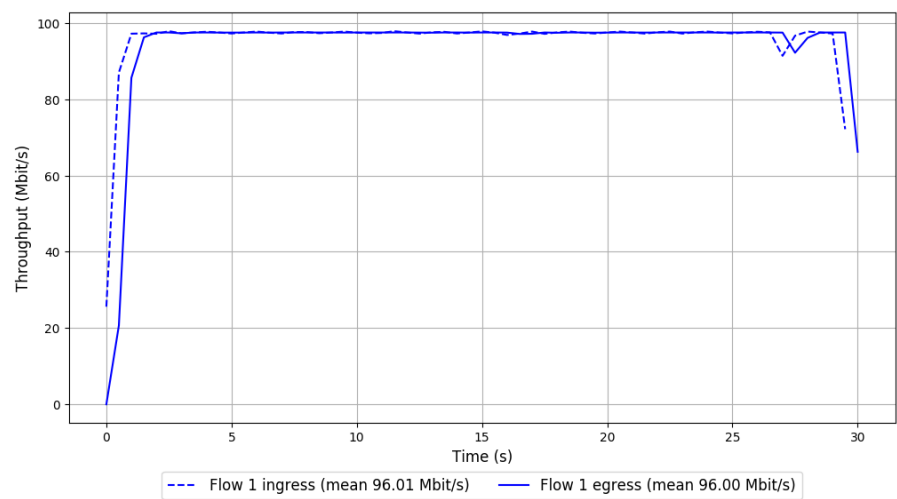


Run 6: Statistics of Indigo

Start at: 2018-08-09 19:33:13
End at: 2018-08-09 19:33:43
Local clock offset: -0.565 ms
Remote clock offset: -3.041 ms

Below is generated by plot.py at 2018-08-09 21:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 37.213 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 37.213 ms
Loss rate: 0.23%

Run 6: Report of Indigo — Data Link

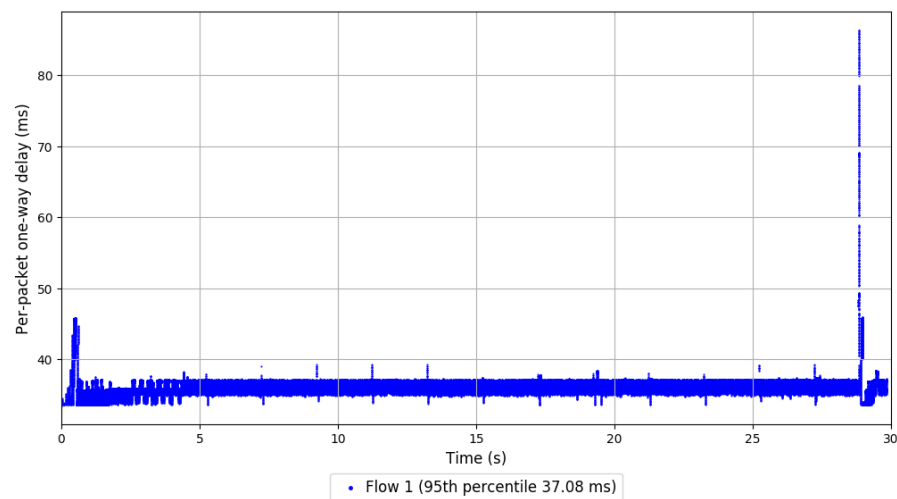
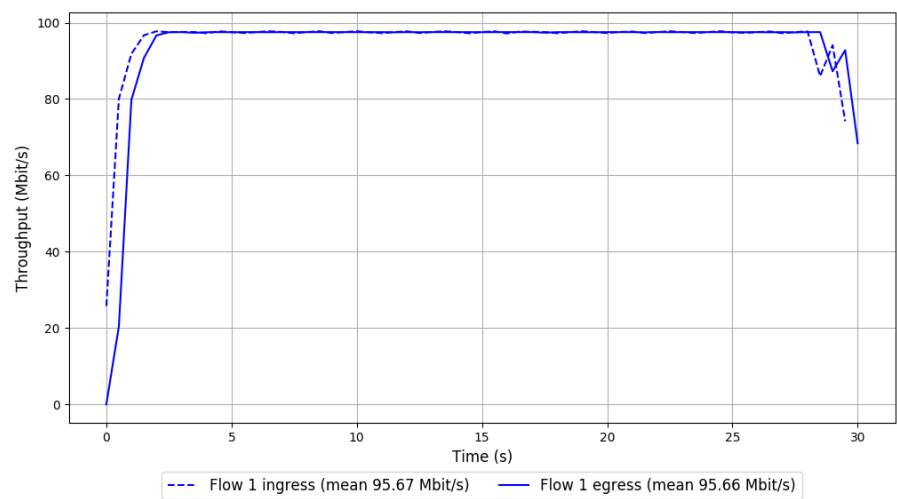


Run 7: Statistics of Indigo

Start at: 2018-08-09 19:55:40
End at: 2018-08-09 19:56:10
Local clock offset: -0.577 ms
Remote clock offset: -1.852 ms

Below is generated by plot.py at 2018-08-09 21:16:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.23%

Run 7: Report of Indigo — Data Link

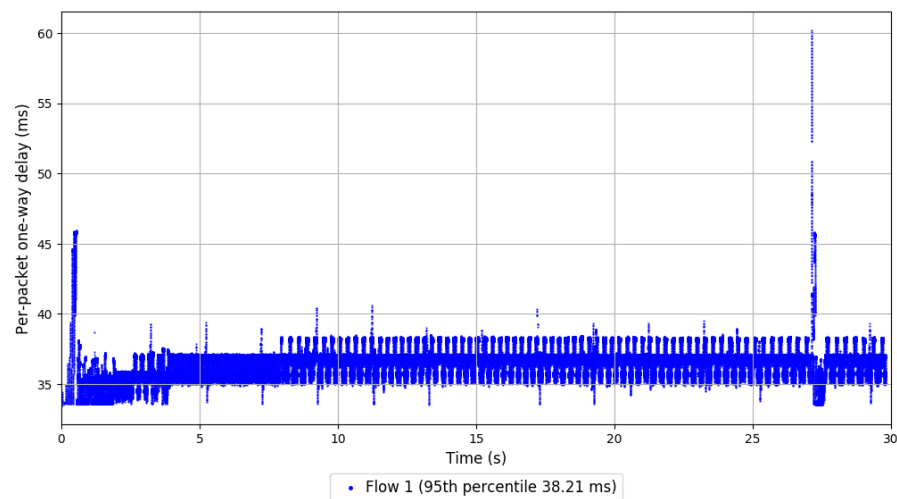
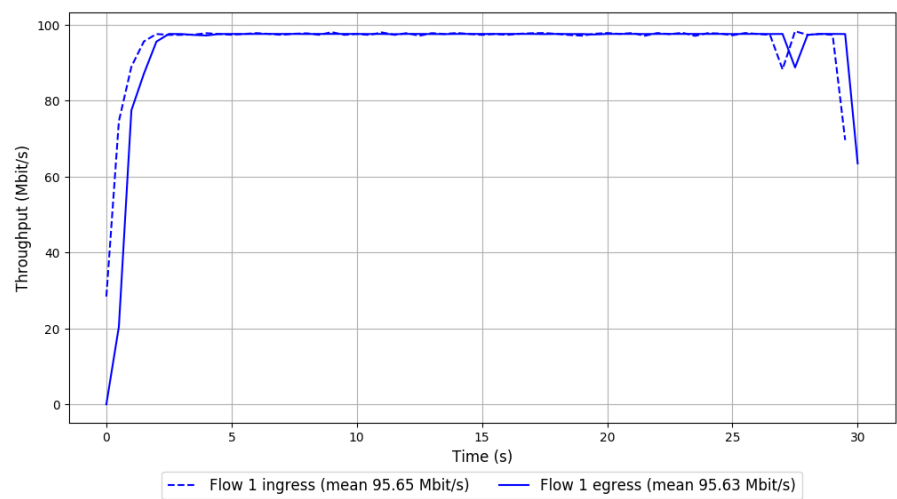


Run 8: Statistics of Indigo

Start at: 2018-08-09 20:17:58
End at: 2018-08-09 20:18:28
Local clock offset: -0.507 ms
Remote clock offset: -1.939 ms

Below is generated by plot.py at 2018-08-09 21:16:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 38.214 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 38.214 ms
Loss rate: 0.23%

Run 8: Report of Indigo — Data Link

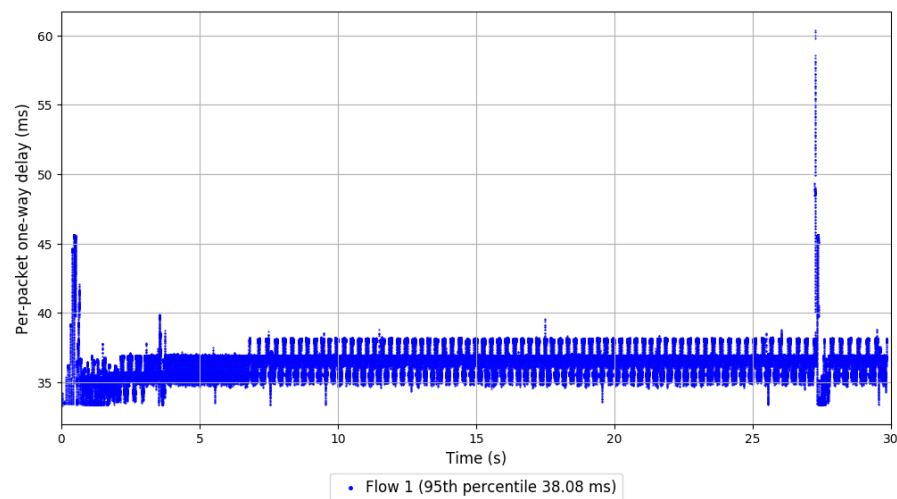
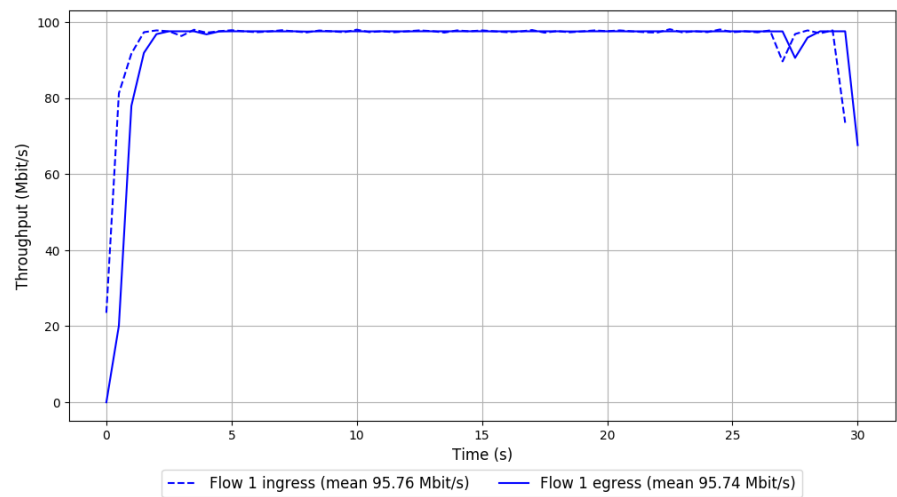


Run 9: Statistics of Indigo

Start at: 2018-08-09 20:40:16
End at: 2018-08-09 20:40:46
Local clock offset: -0.318 ms
Remote clock offset: -1.935 ms

Below is generated by plot.py at 2018-08-09 21:16:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 38.076 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 38.076 ms
Loss rate: 0.23%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 21:02:34

End at: 2018-08-09 21:03:04

Local clock offset: -0.462 ms

Remote clock offset: -2.98 ms

Below is generated by plot.py at 2018-08-09 21:16:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 38.147 ms

Loss rate: 0.22%

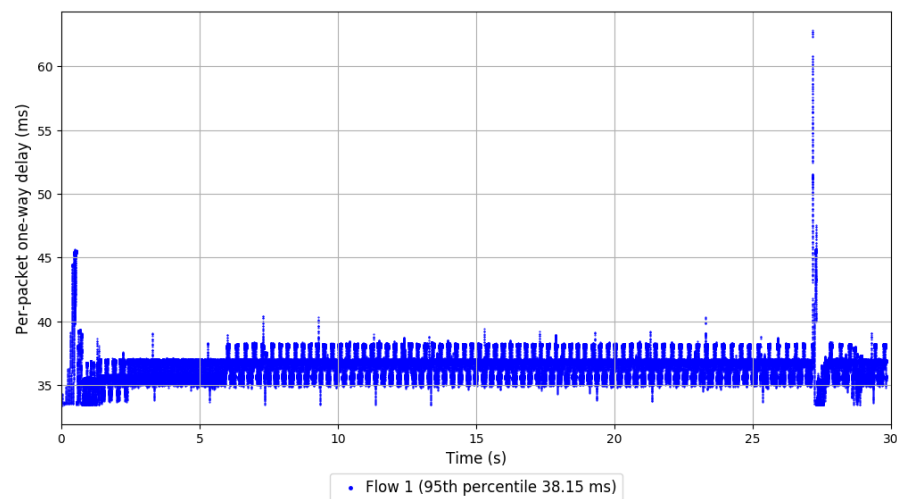
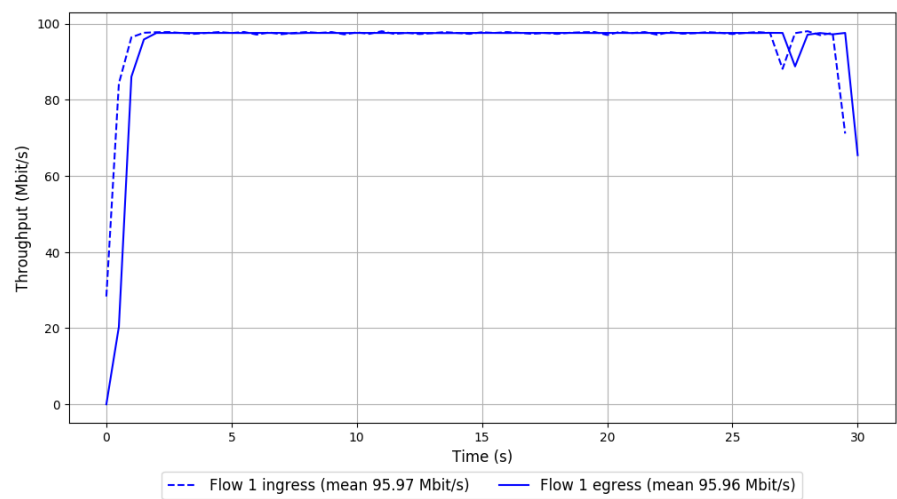
-- Flow 1:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 38.147 ms

Loss rate: 0.22%

Run 10: Report of Indigo — Data Link

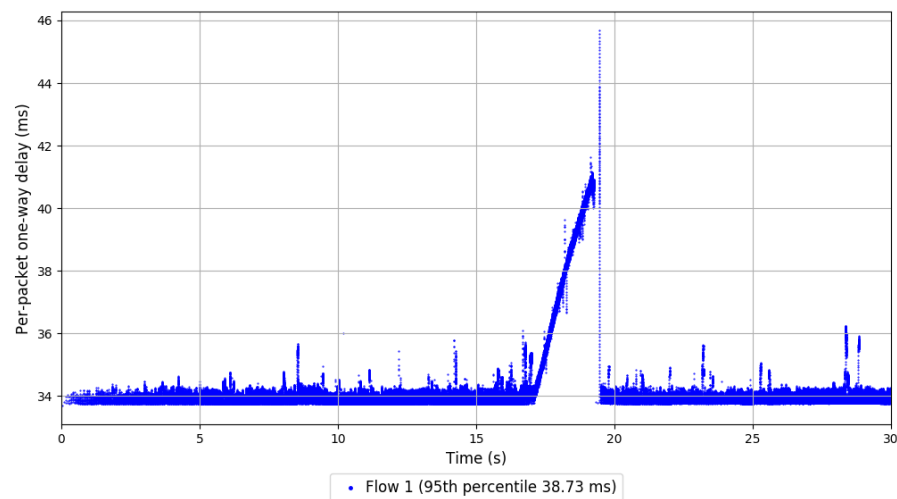
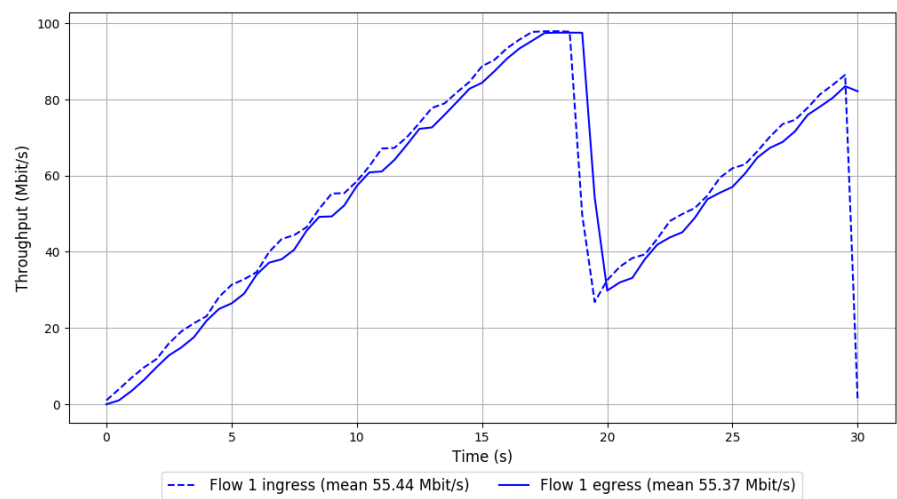


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 17:31:14
End at: 2018-08-09 17:31:44
Local clock offset: 0.362 ms
Remote clock offset: 0.603 ms

# Below is generated by plot.py at 2018-08-09 21:16:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 38.732 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 38.732 ms
Loss rate: 0.34%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-09 17:53:26

End at: 2018-08-09 17:53:56

Local clock offset: 0.338 ms

Remote clock offset: 2.176 ms

Below is generated by plot.py at 2018-08-09 21:16:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.02 Mbit/s

95th percentile per-packet one-way delay: 39.810 ms

Loss rate: 0.20%

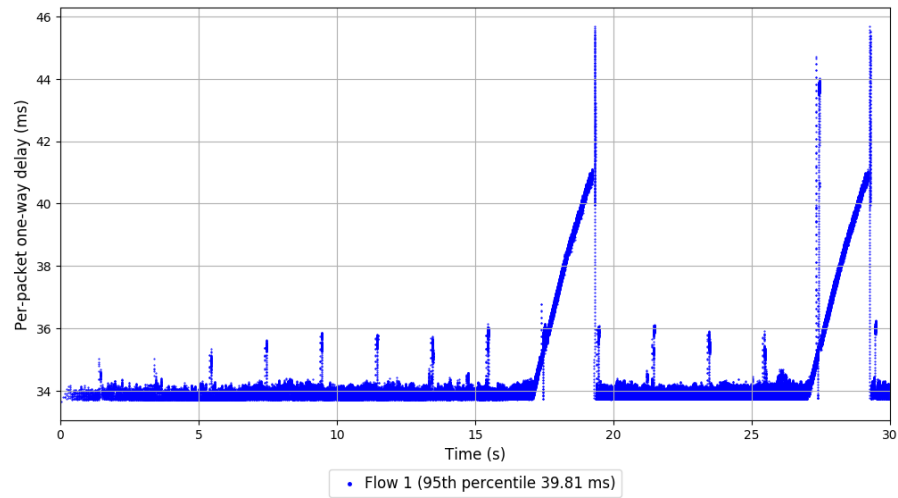
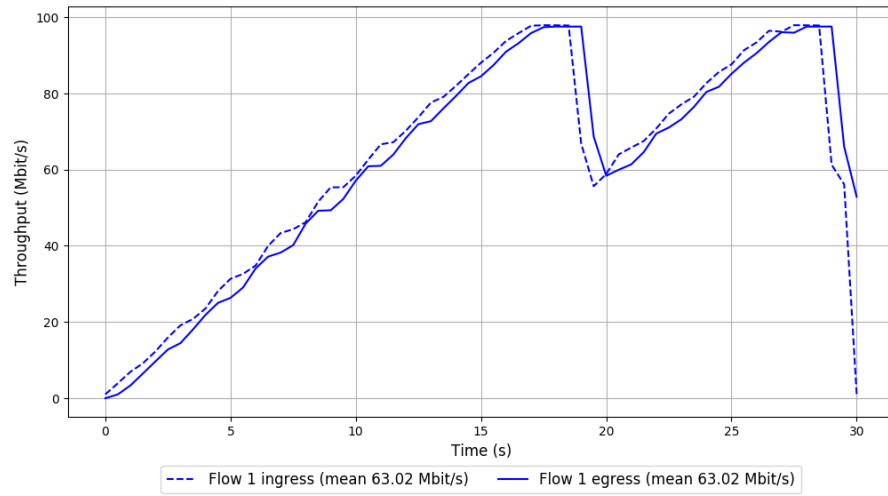
-- Flow 1:

Average throughput: 63.02 Mbit/s

95th percentile per-packet one-way delay: 39.810 ms

Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link

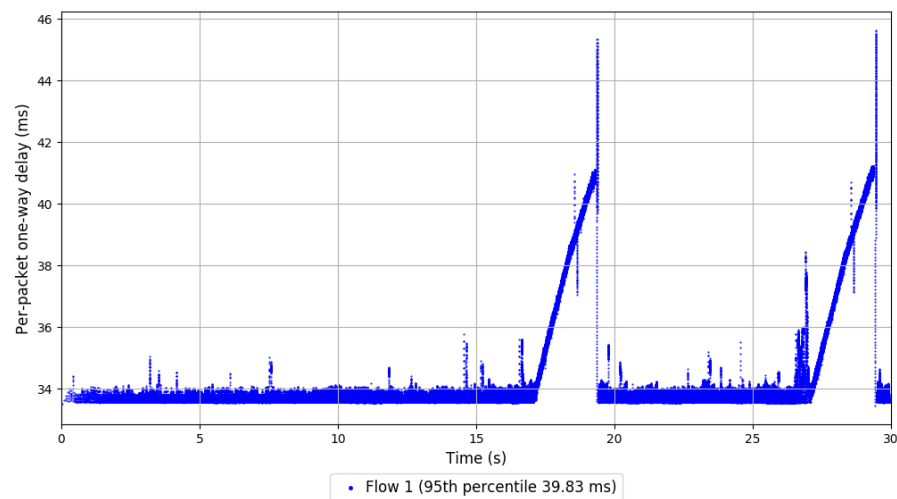
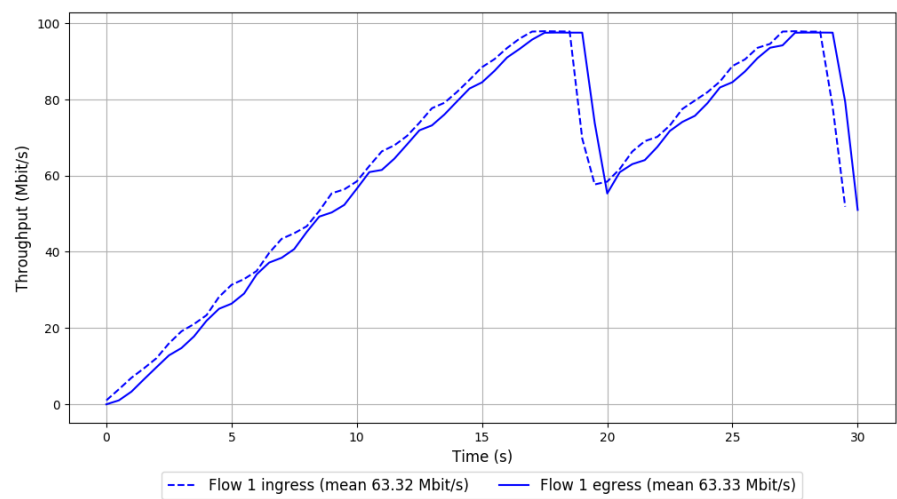


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 18:15:43
End at: 2018-08-09 18:16:13
Local clock offset: 0.316 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-09 21:16:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.33 Mbit/s
95th percentile per-packet one-way delay: 39.830 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.33 Mbit/s
95th percentile per-packet one-way delay: 39.830 ms
Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link

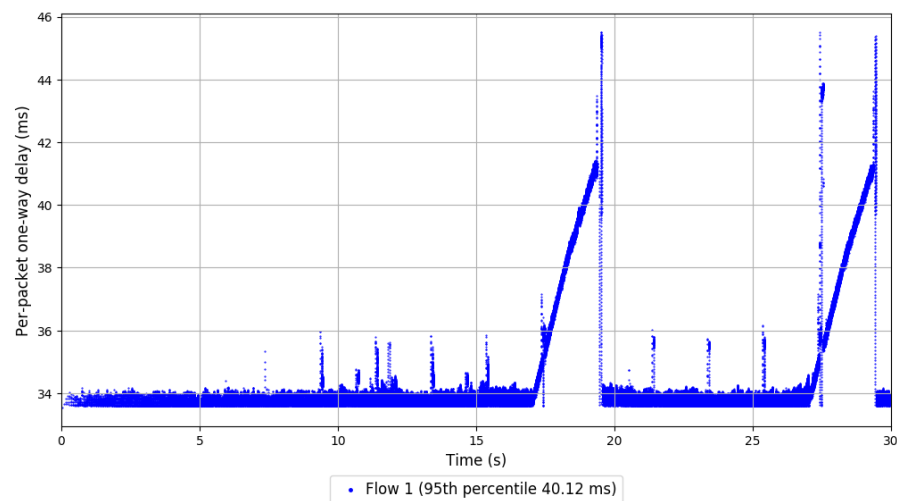
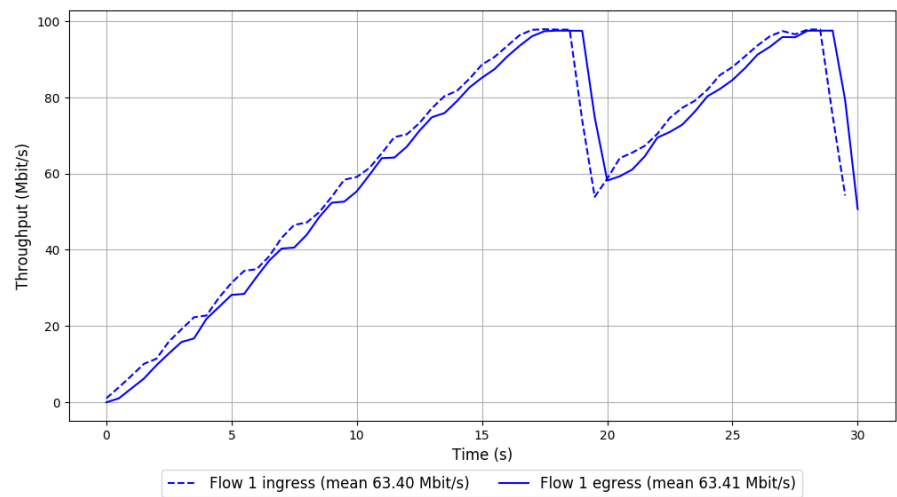


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 18:37:58
End at: 2018-08-09 18:38:28
Local clock offset: 0.324 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-08-09 21:16:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 40.125 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 40.125 ms
Loss rate: 0.20%

Run 4: Report of LEDBAT — Data Link

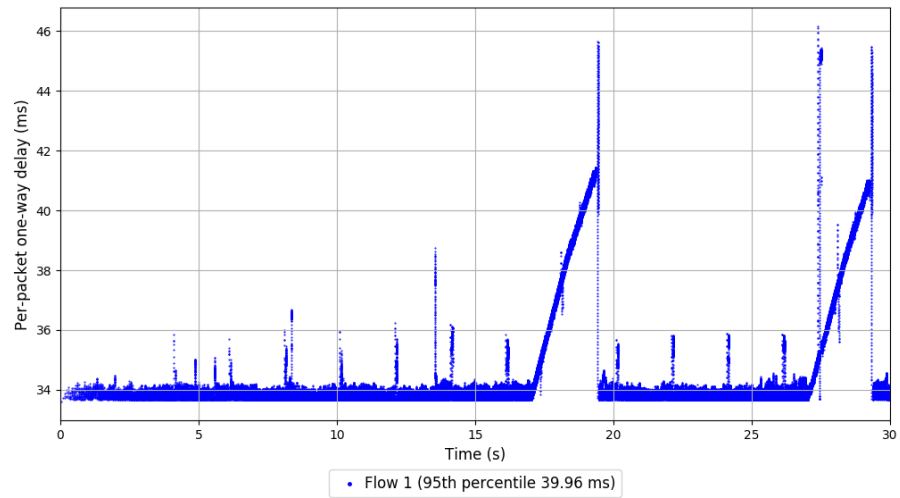
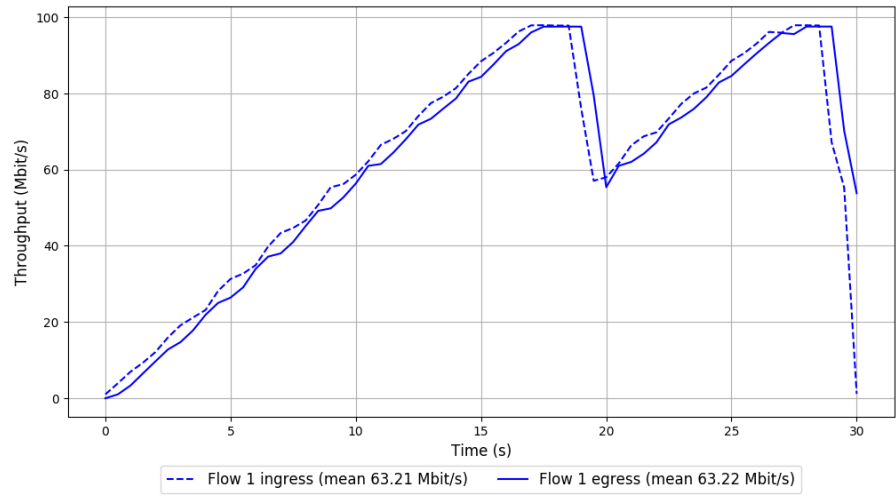


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 19:00:12
End at: 2018-08-09 19:00:42
Local clock offset: -0.04 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-09 21:16:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 39.962 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 39.962 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link

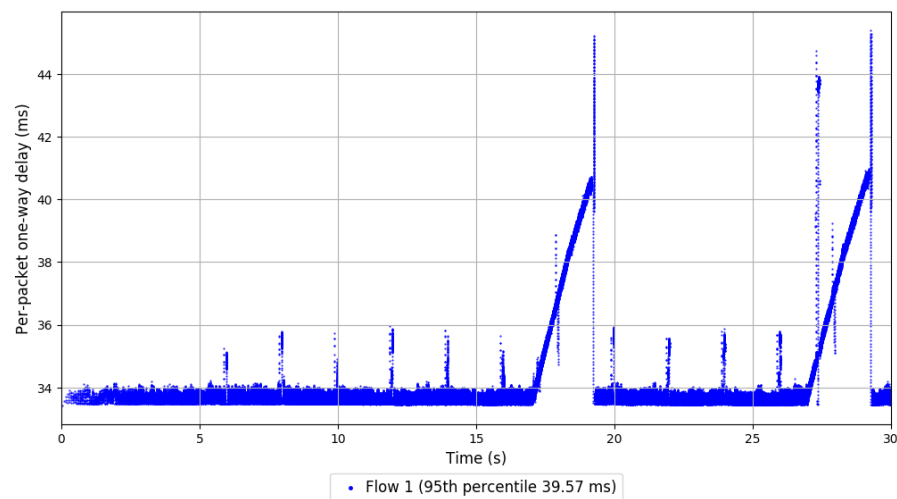
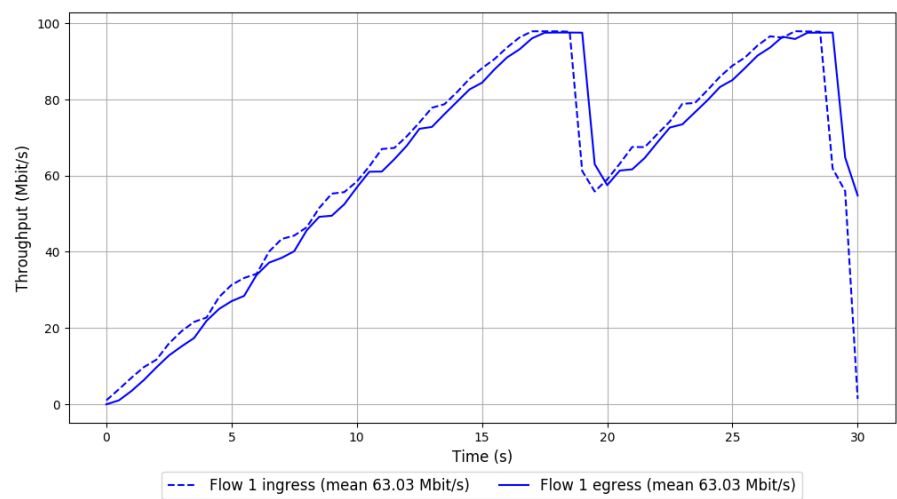


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 19:22:40
End at: 2018-08-09 19:23:10
Local clock offset: -0.492 ms
Remote clock offset: -2.364 ms

Below is generated by plot.py at 2018-08-09 21:16:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 39.574 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 39.574 ms
Loss rate: 0.20%

Run 6: Report of LEDBAT — Data Link

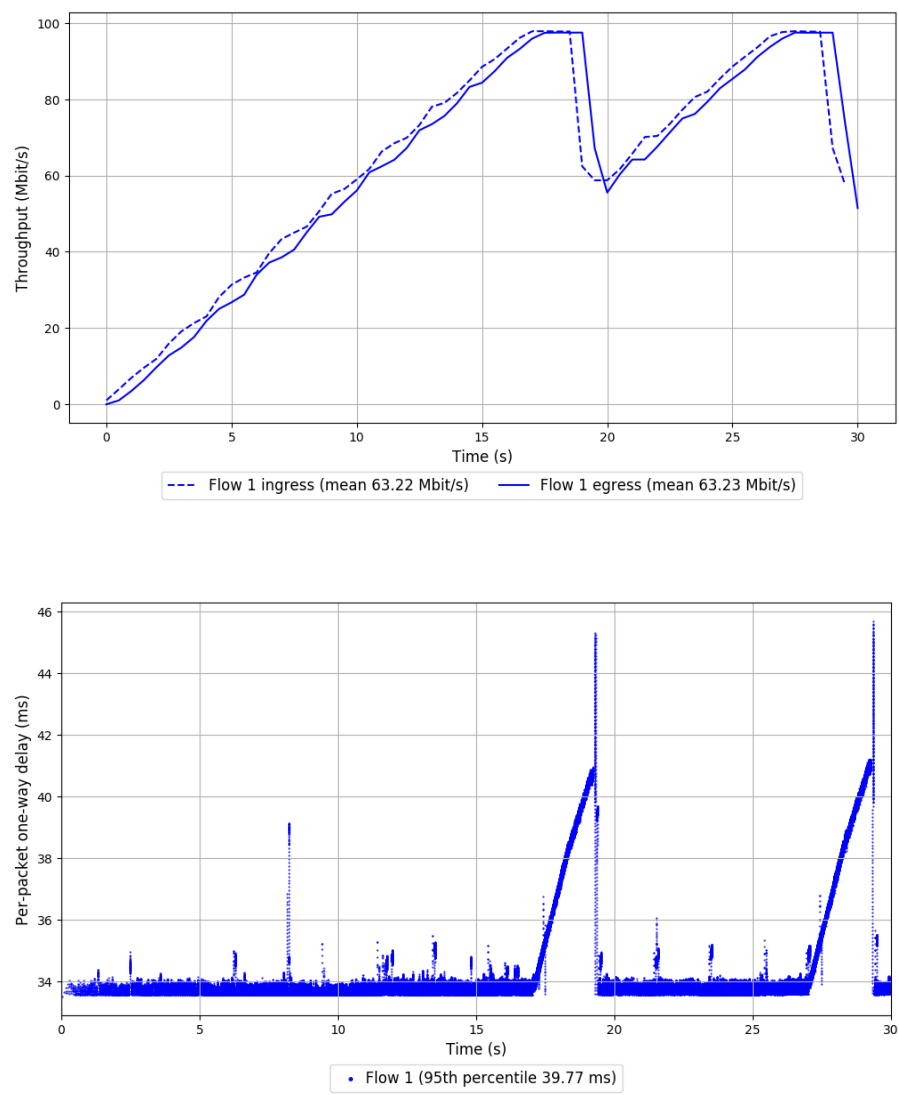


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 19:45:10
End at: 2018-08-09 19:45:40
Local clock offset: -0.649 ms
Remote clock offset: -2.379 ms

Below is generated by plot.py at 2018-08-09 21:17:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 39.773 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 39.773 ms
Loss rate: 0.20%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 20:07:27

End at: 2018-08-09 20:07:57

Local clock offset: -0.66 ms

Remote clock offset: -1.57 ms

Below is generated by plot.py at 2018-08-09 21:17:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.25 Mbit/s

95th percentile per-packet one-way delay: 39.725 ms

Loss rate: 0.20%

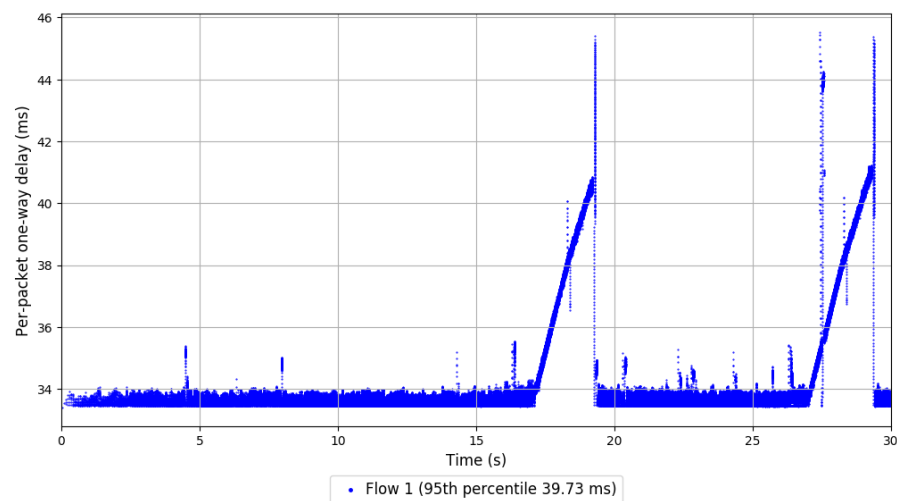
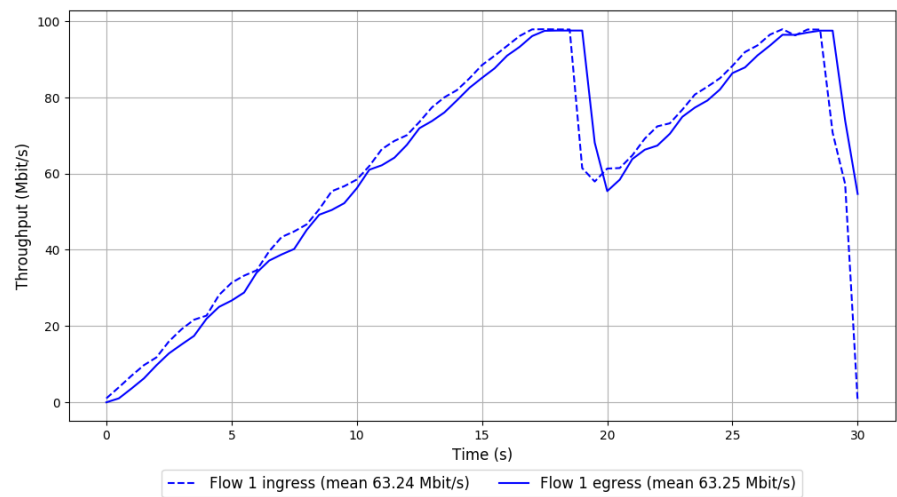
-- Flow 1:

Average throughput: 63.25 Mbit/s

95th percentile per-packet one-way delay: 39.725 ms

Loss rate: 0.20%

Run 8: Report of LEDBAT — Data Link

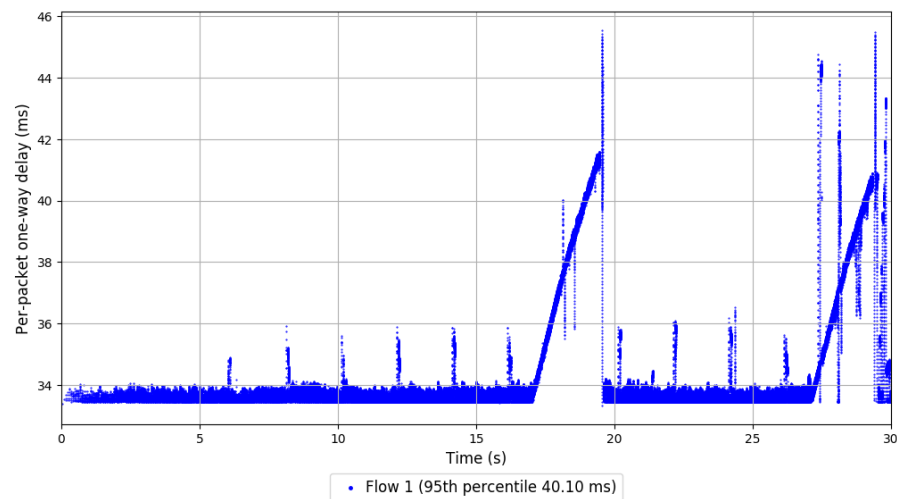
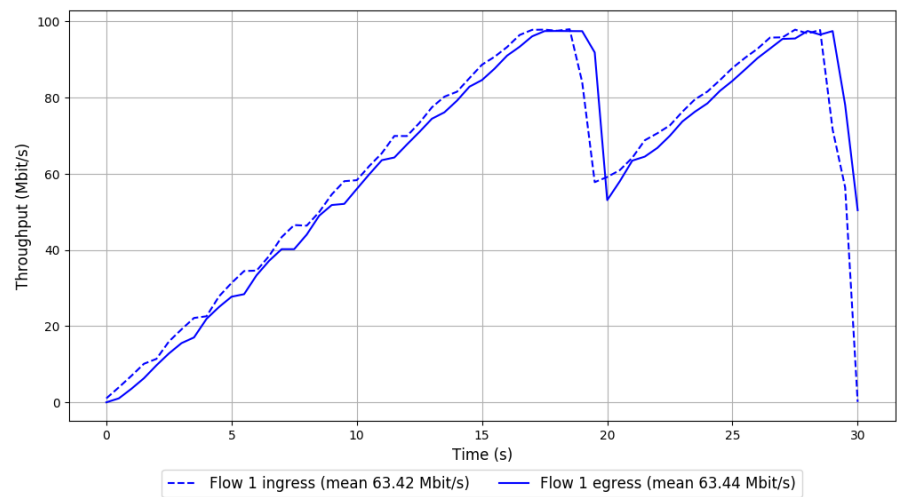


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 20:29:46
End at: 2018-08-09 20:30:16
Local clock offset: -0.306 ms
Remote clock offset: -2.076 ms

Below is generated by plot.py at 2018-08-09 21:17:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 40.098 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 40.098 ms
Loss rate: 0.20%

Run 9: Report of LEDBAT — Data Link

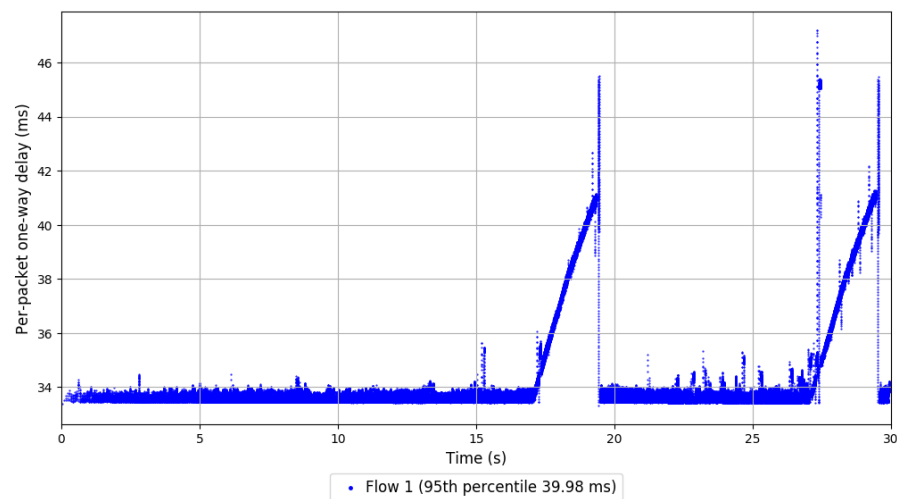
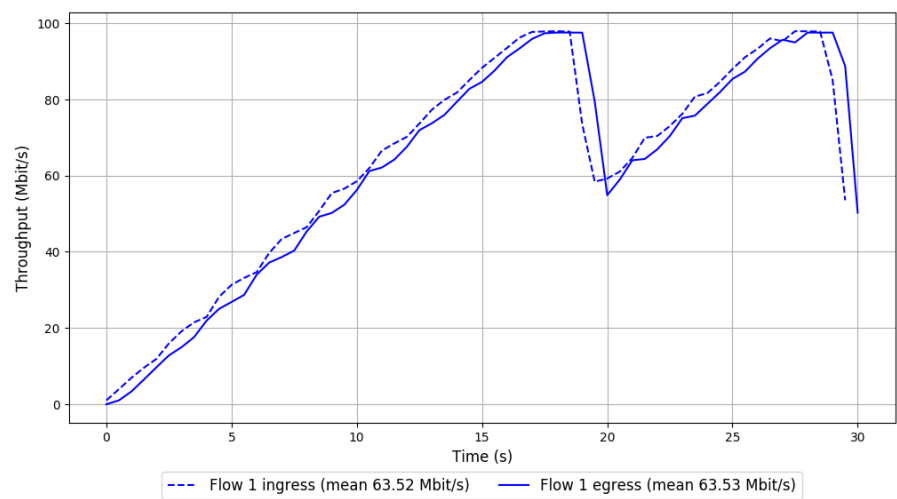


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 20:52:05
End at: 2018-08-09 20:52:35
Local clock offset: -0.374 ms
Remote clock offset: -2.396 ms

Below is generated by plot.py at 2018-08-09 21:17:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 39.977 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 39.977 ms
Loss rate: 0.19%

Run 10: Report of LEDBAT — Data Link

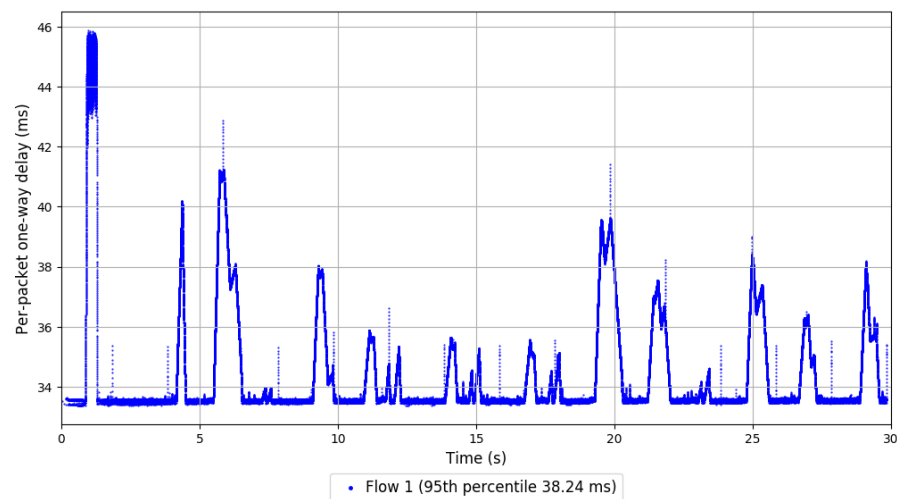
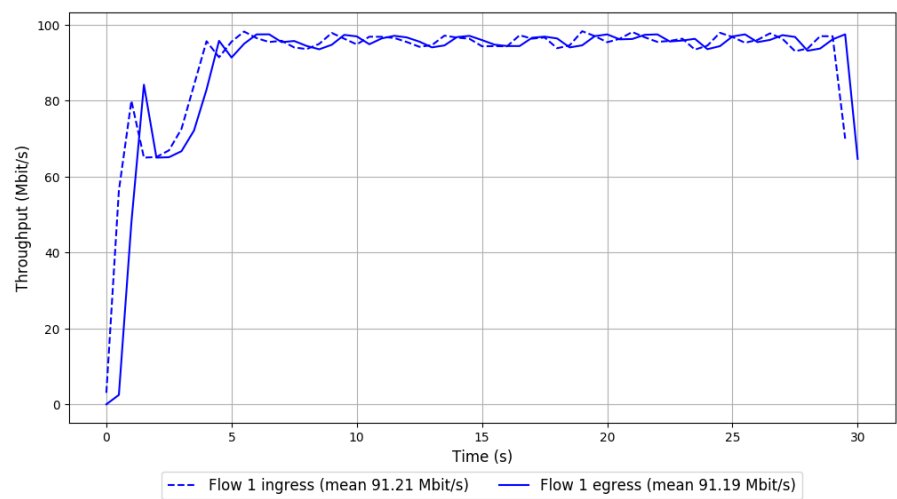


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 17:29:56
End at: 2018-08-09 17:30:26
Local clock offset: 0.361 ms
Remote clock offset: 0.728 ms

# Below is generated by plot.py at 2018-08-09 21:17:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 38.240 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 38.240 ms
Loss rate: 0.23%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

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

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

Local clock offset: 0.339 ms

Remote clock offset: 2.205 ms

Below is generated by plot.py at 2018-08-09 21:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 38.122 ms

Loss rate: 0.23%

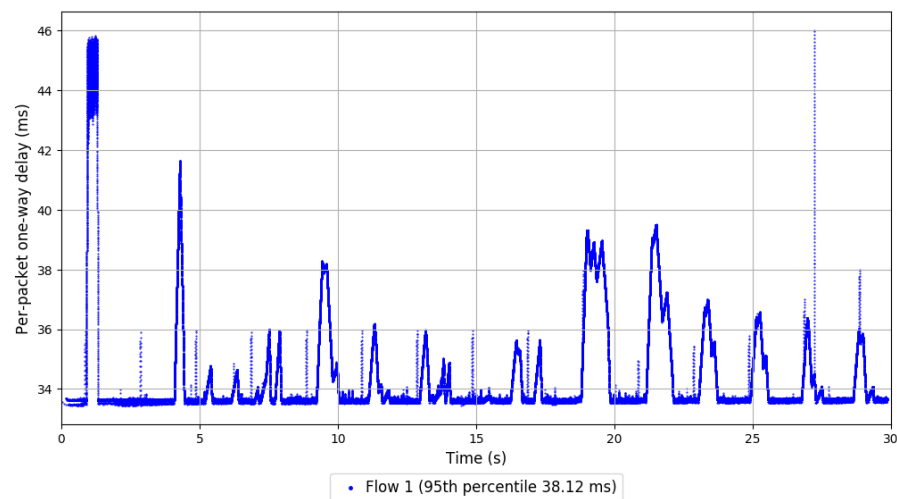
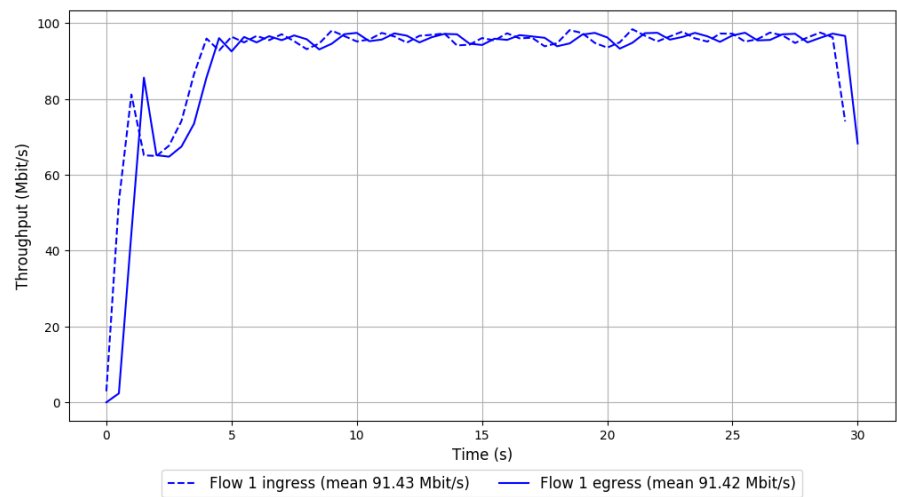
-- Flow 1:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 38.122 ms

Loss rate: 0.23%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 18:14:25

End at: 2018-08-09 18:14:55

Local clock offset: 0.221 ms

Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-09 21:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 38.195 ms

Loss rate: 0.22%

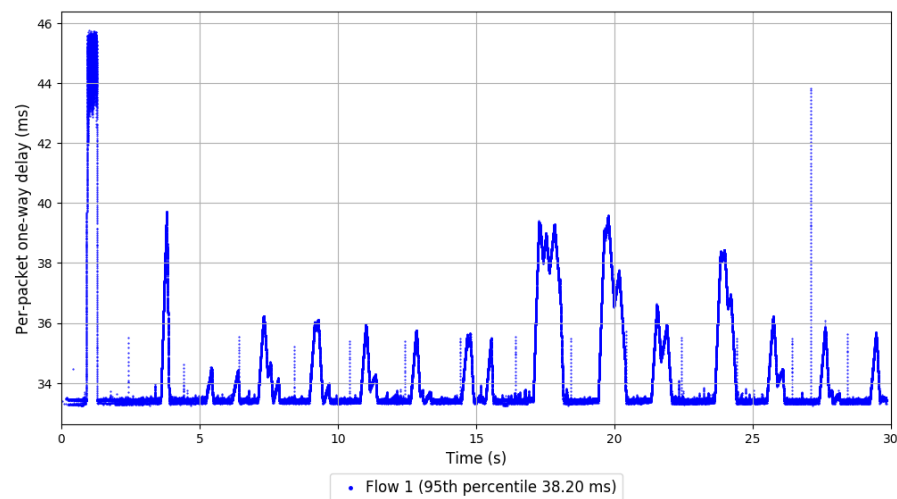
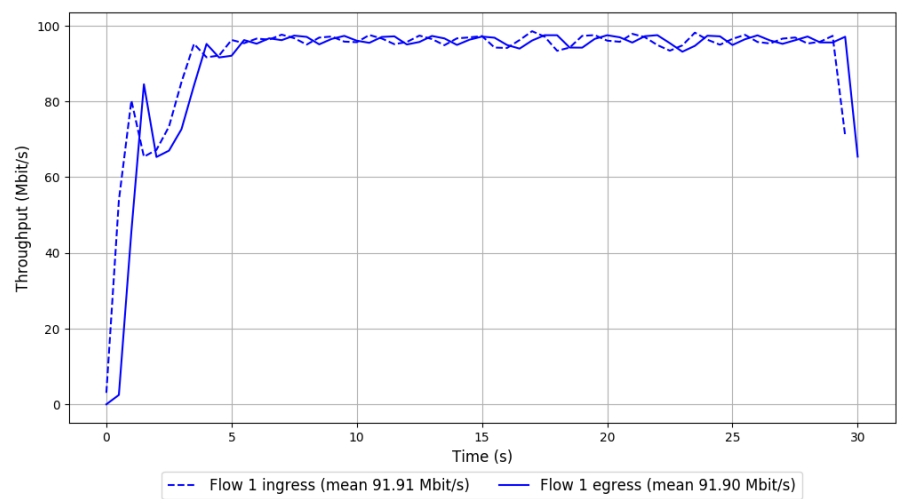
-- Flow 1:

Average throughput: 91.90 Mbit/s

95th percentile per-packet one-way delay: 38.195 ms

Loss rate: 0.22%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

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

End at: 2018-08-09 18:37:11

Local clock offset: 0.304 ms

Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-08-09 21:18:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 38.931 ms

Loss rate: 0.24%

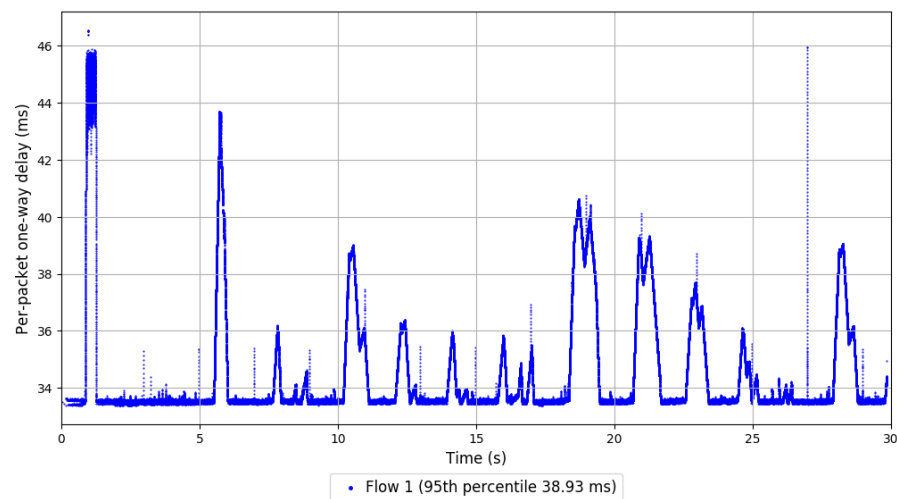
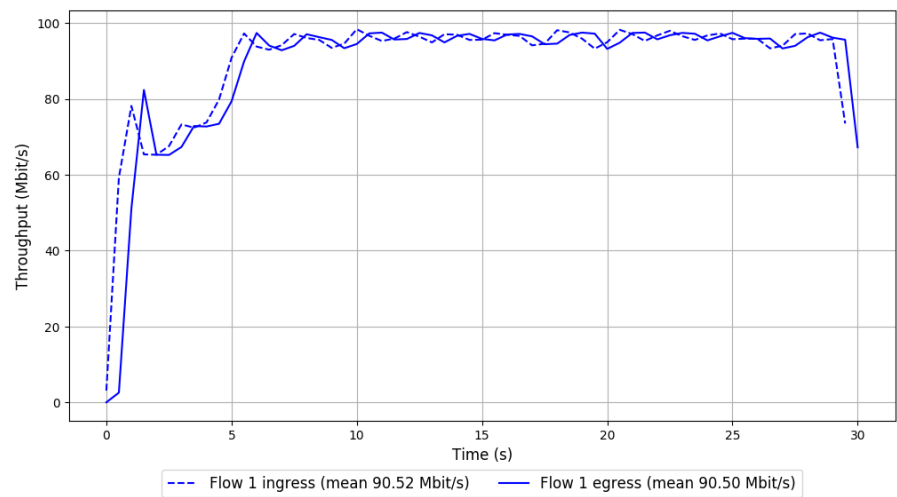
-- Flow 1:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 38.931 ms

Loss rate: 0.24%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 18:58:54

End at: 2018-08-09 18:59:24

Local clock offset: -0.055 ms

Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-09 21:18:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 38.555 ms

Loss rate: 0.22%

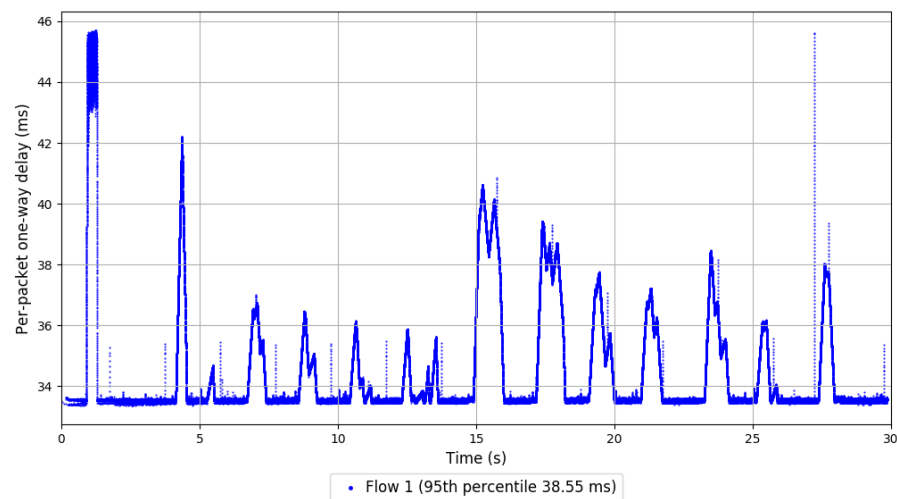
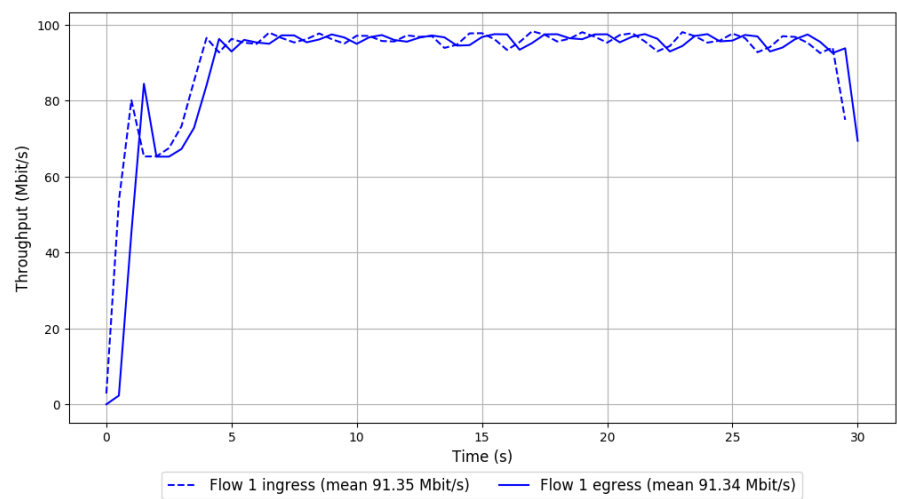
-- Flow 1:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 38.555 ms

Loss rate: 0.22%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 19:21:22

End at: 2018-08-09 19:21:52

Local clock offset: -0.372 ms

Remote clock offset: -2.28 ms

Below is generated by plot.py at 2018-08-09 21:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.19 Mbit/s

95th percentile per-packet one-way delay: 38.536 ms

Loss rate: 0.24%

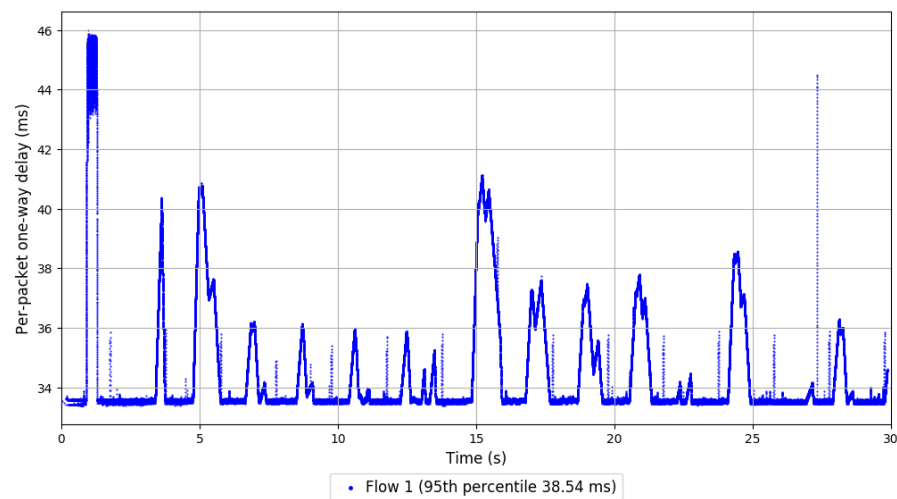
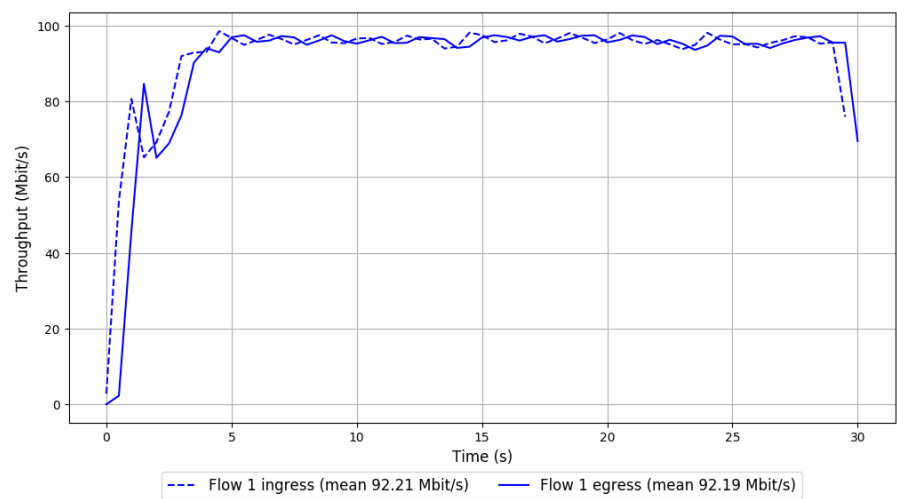
-- Flow 1:

Average throughput: 92.19 Mbit/s

95th percentile per-packet one-way delay: 38.536 ms

Loss rate: 0.24%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 19:43:52

End at: 2018-08-09 19:44:22

Local clock offset: -0.651 ms

Remote clock offset: -2.474 ms

Below is generated by plot.py at 2018-08-09 21:18:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 37.962 ms

Loss rate: 0.23%

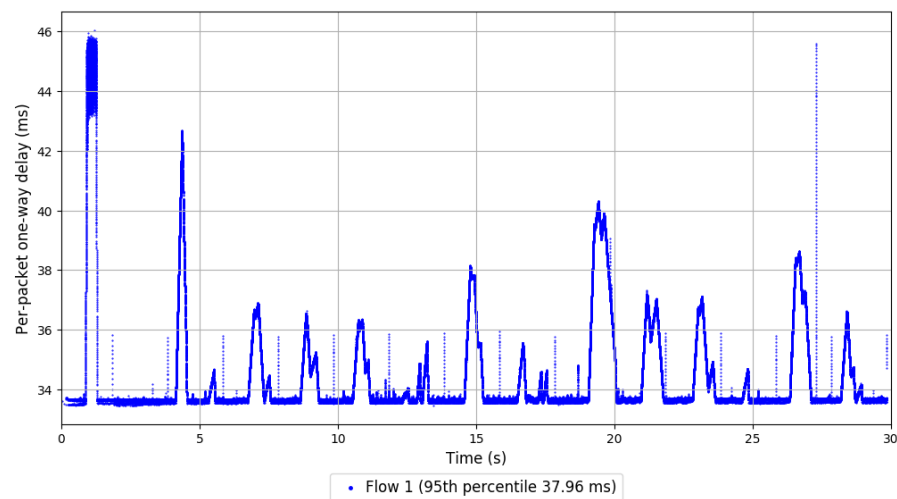
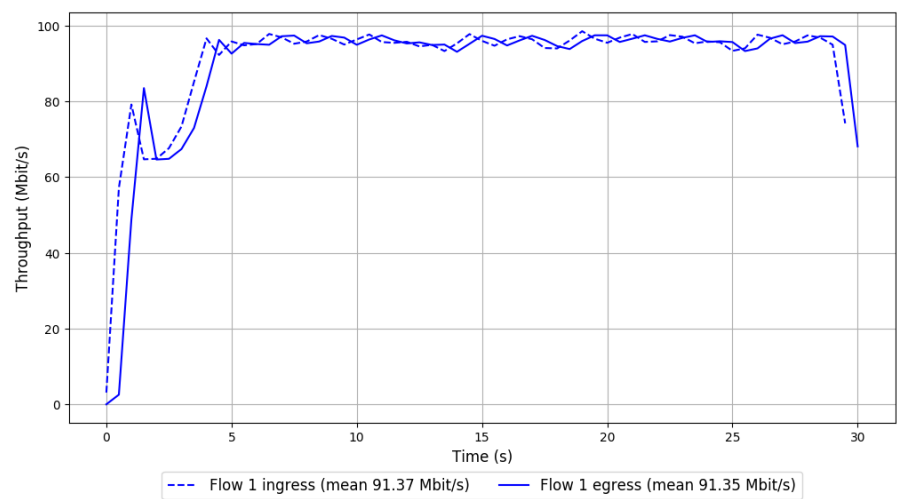
-- Flow 1:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 37.962 ms

Loss rate: 0.23%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 20:06:10

End at: 2018-08-09 20:06:40

Local clock offset: -0.561 ms

Remote clock offset: -1.604 ms

Below is generated by plot.py at 2018-08-09 21:18:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 38.106 ms

Loss rate: 0.23%

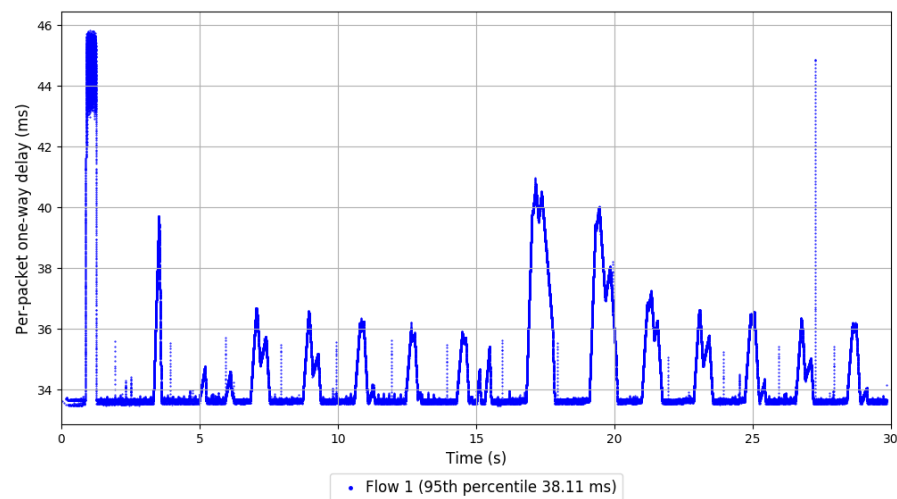
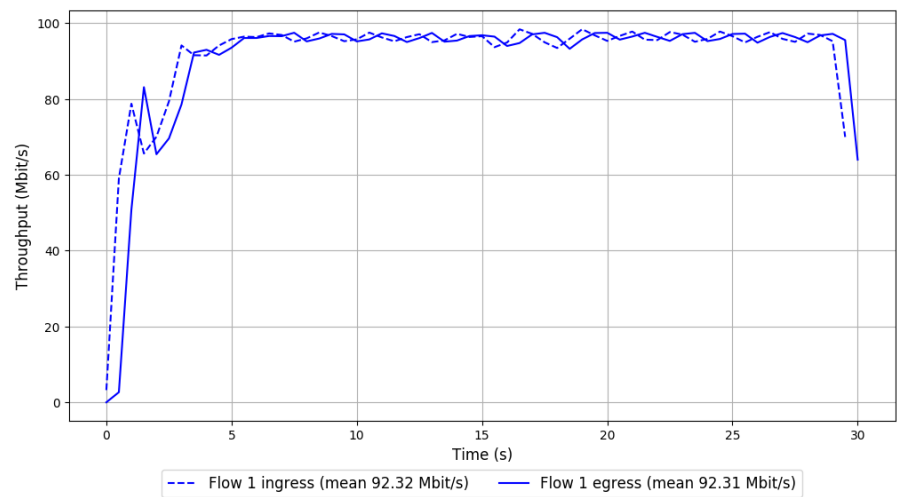
-- Flow 1:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 38.106 ms

Loss rate: 0.23%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 20:28:28

End at: 2018-08-09 20:28:58

Local clock offset: -0.326 ms

Remote clock offset: -2.031 ms

Below is generated by plot.py at 2018-08-09 21:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.66 Mbit/s

95th percentile per-packet one-way delay: 38.124 ms

Loss rate: 0.23%

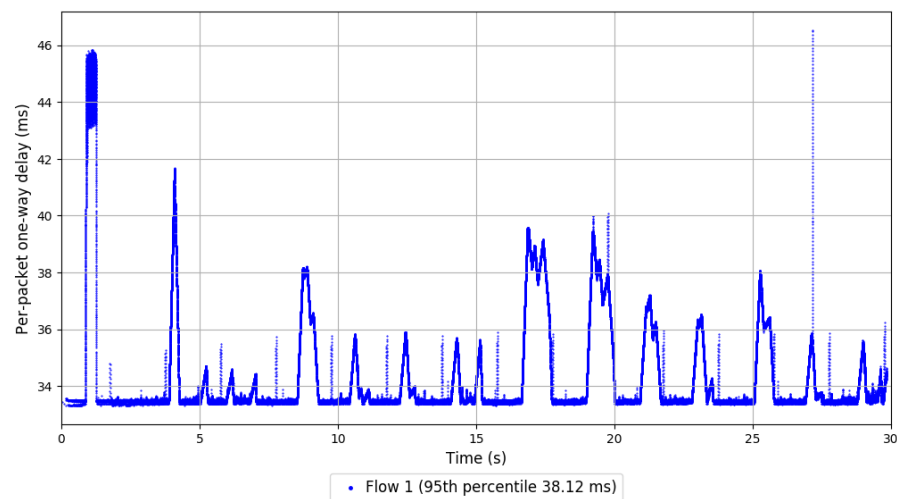
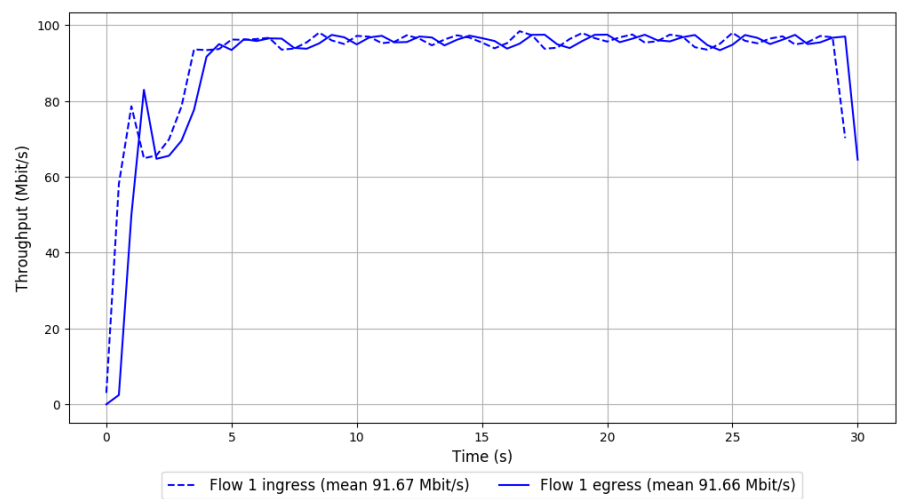
-- Flow 1:

Average throughput: 91.66 Mbit/s

95th percentile per-packet one-way delay: 38.124 ms

Loss rate: 0.23%

Run 9: Report of PCC-Allegro — Data Link

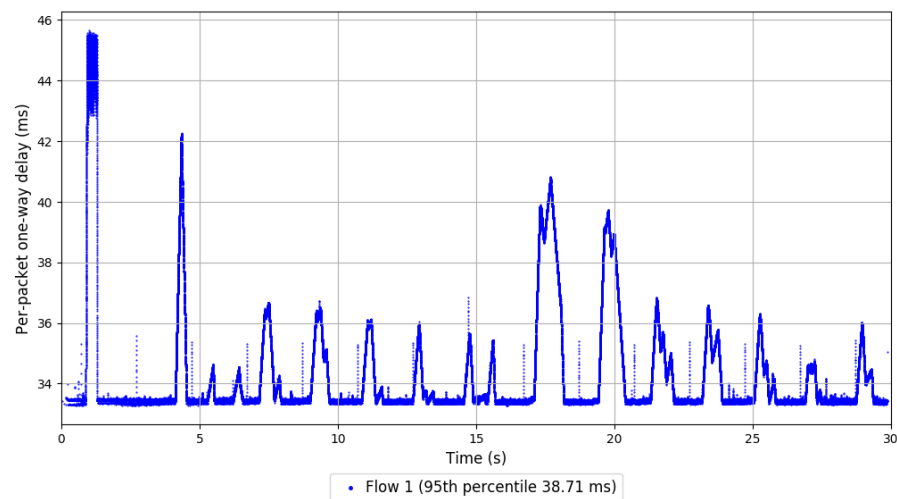
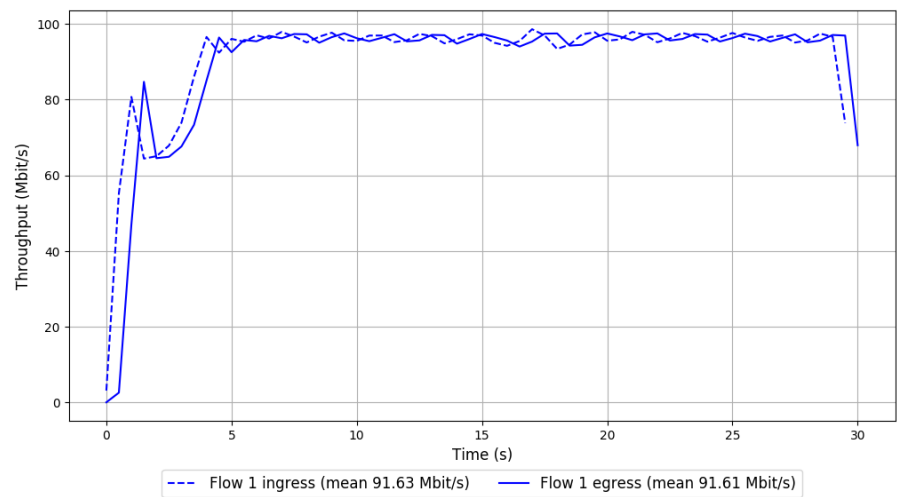


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 20:50:47
End at: 2018-08-09 20:51:17
Local clock offset: -0.418 ms
Remote clock offset: -2.332 ms

Below is generated by plot.py at 2018-08-09 21:18:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 38.706 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 38.706 ms
Loss rate: 0.23%

Run 10: Report of PCC-Allegro — Data Link

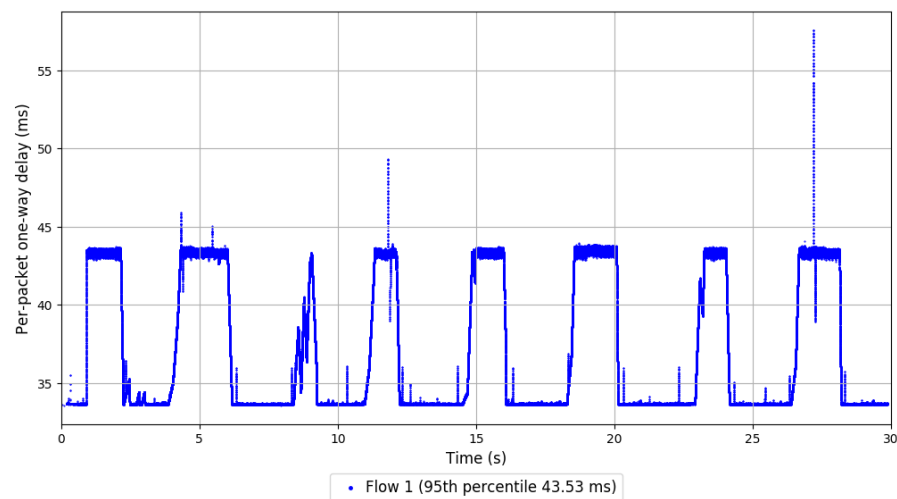
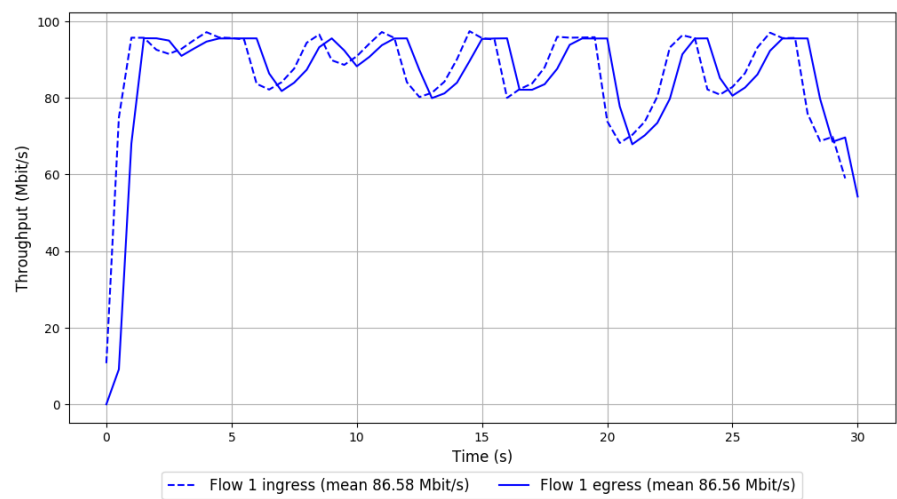


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 17:22:05
End at: 2018-08-09 17:22:35
Local clock offset: 0.166 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2018-08-09 21:19:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 43.529 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 43.529 ms
Loss rate: 0.24%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 17:44:19

End at: 2018-08-09 17:44:49

Local clock offset: 0.464 ms

Remote clock offset: 1.665 ms

Below is generated by plot.py at 2018-08-09 21:19:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 43.500 ms

Loss rate: 0.33%

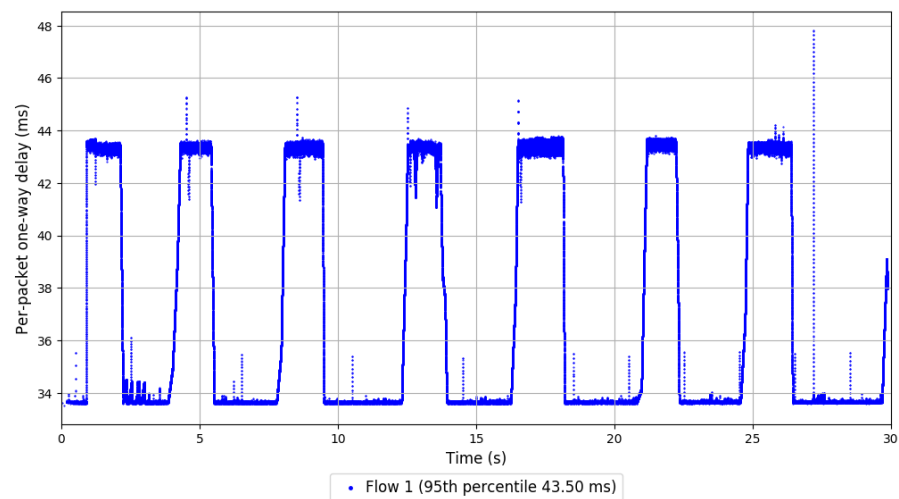
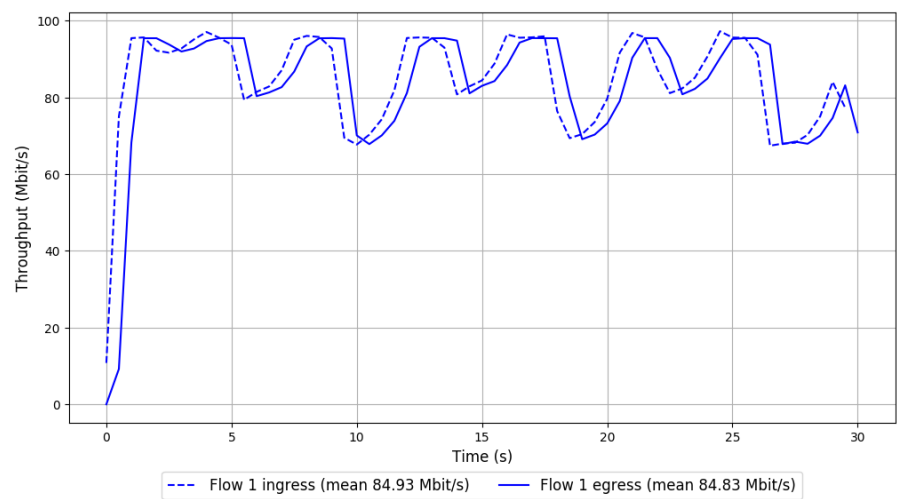
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 43.500 ms

Loss rate: 0.33%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 18:06:35

End at: 2018-08-09 18:07:05

Local clock offset: 0.291 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-08-09 21:19:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 43.659 ms

Loss rate: 0.36%

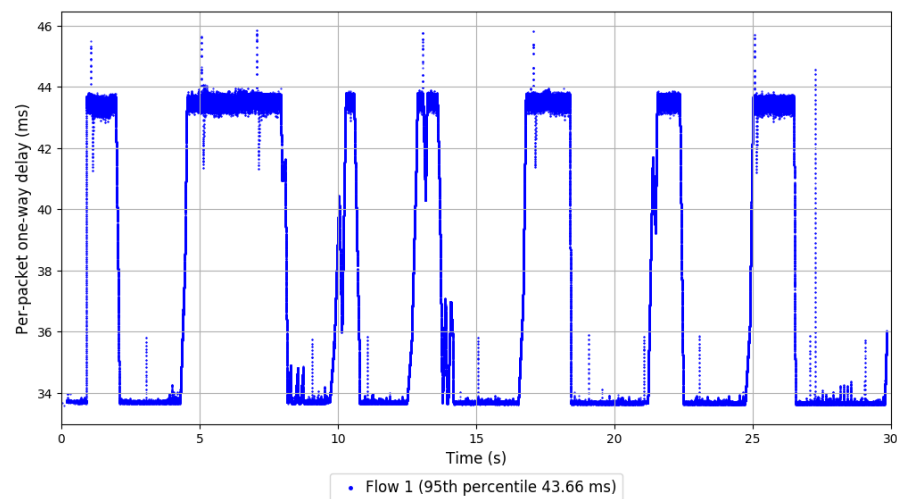
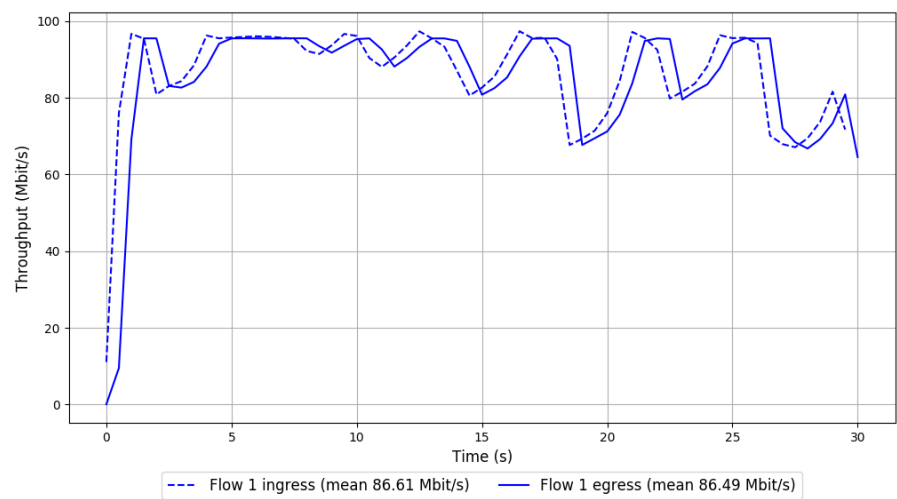
-- Flow 1:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 43.659 ms

Loss rate: 0.36%

Run 3: Report of PCC-Expr — Data Link

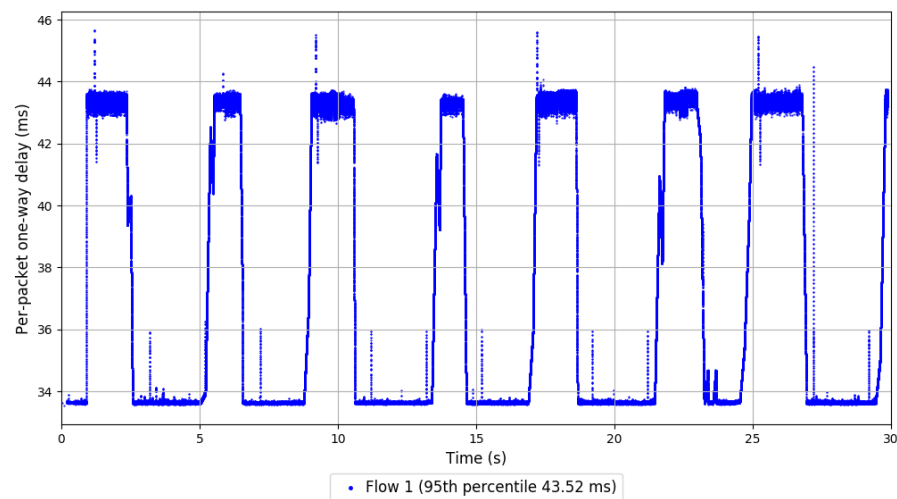
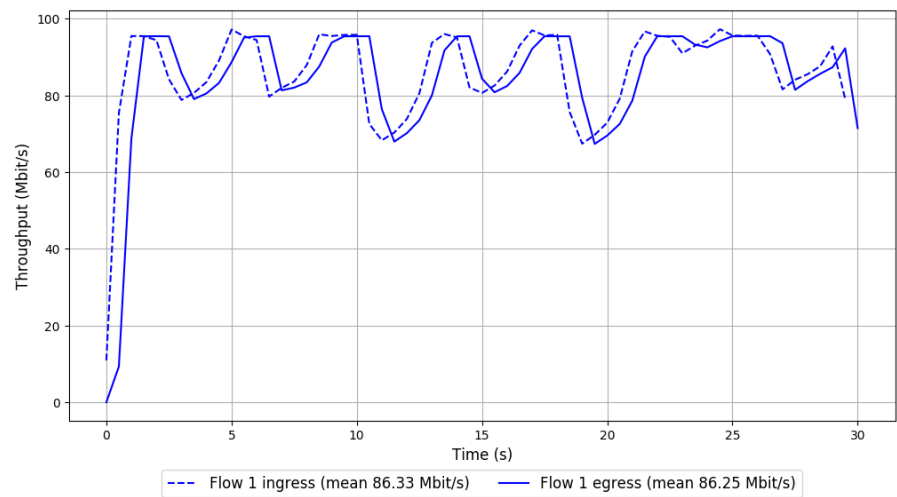


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 18:28:50
End at: 2018-08-09 18:29:20
Local clock offset: 0.301 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-09 21:19:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 43.517 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 43.517 ms
Loss rate: 0.32%

Run 4: Report of PCC-Expr — Data Link

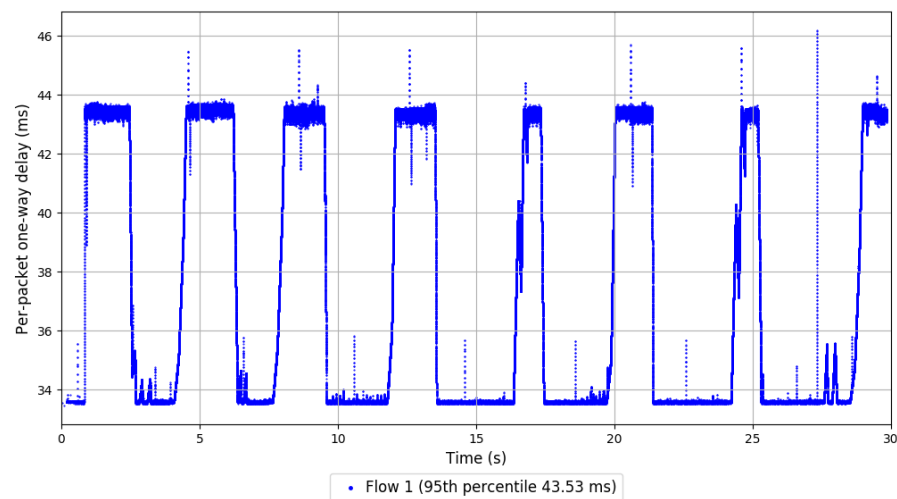
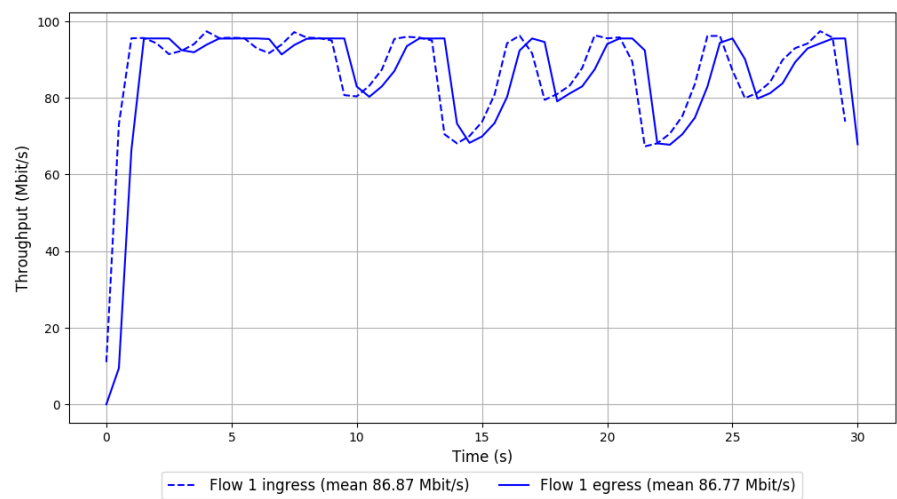


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 18:51:03
End at: 2018-08-09 18:51:33
Local clock offset: 0.134 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-08-09 21:19:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 43.533 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 43.533 ms
Loss rate: 0.32%

Run 5: Report of PCC-Expr — Data Link

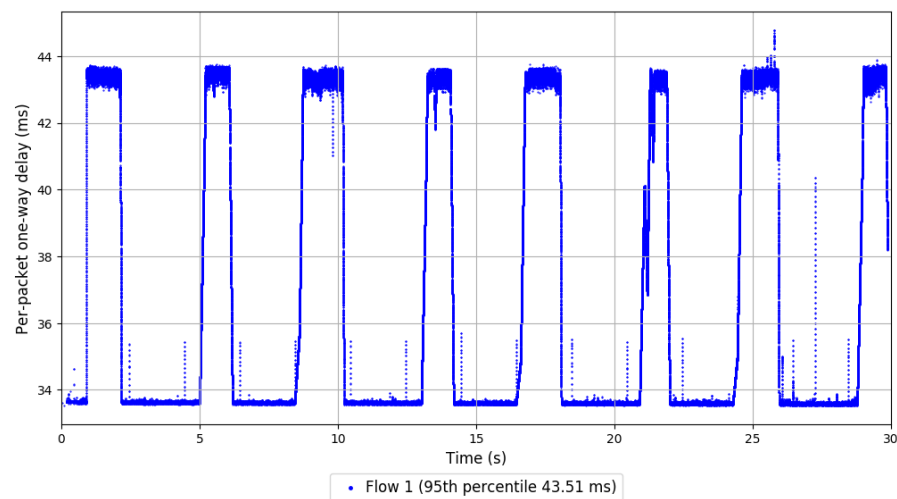
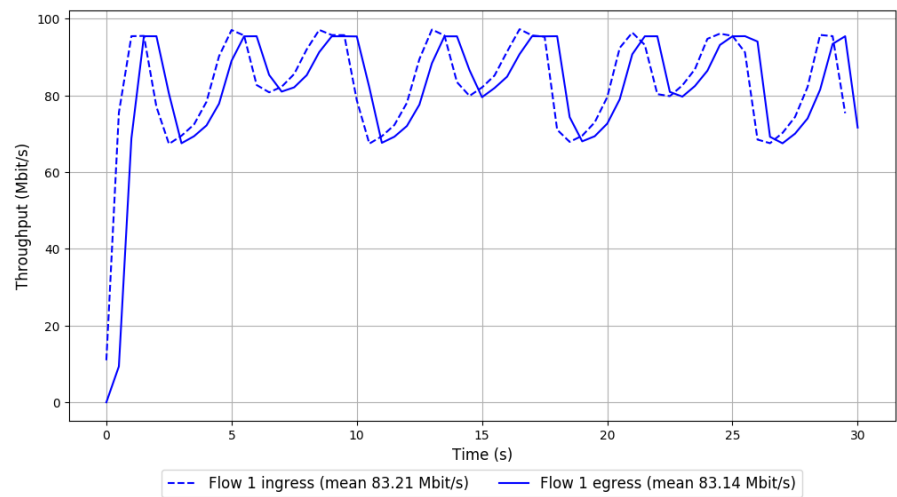


Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 19:13:31
End at: 2018-08-09 19:14:01
Local clock offset: -0.151 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-08-09 21:19:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 43.510 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 43.510 ms
Loss rate: 0.29%

Run 6: Report of PCC-Expr — Data Link

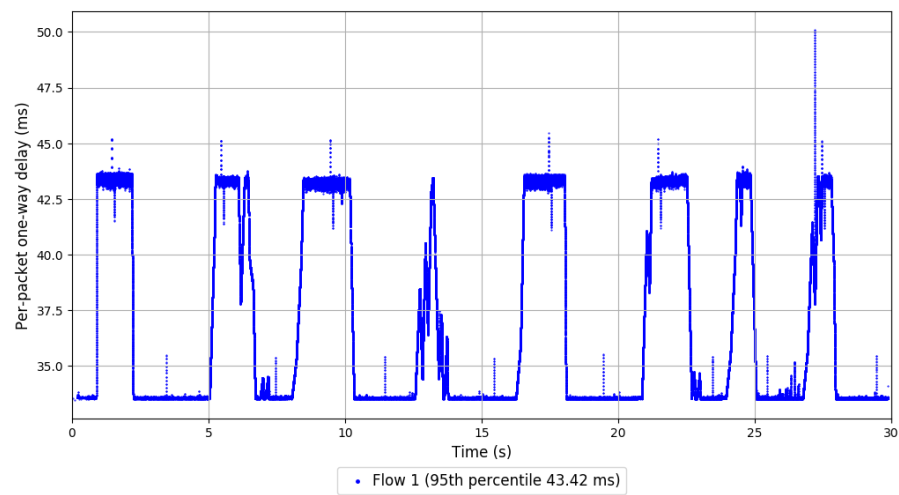
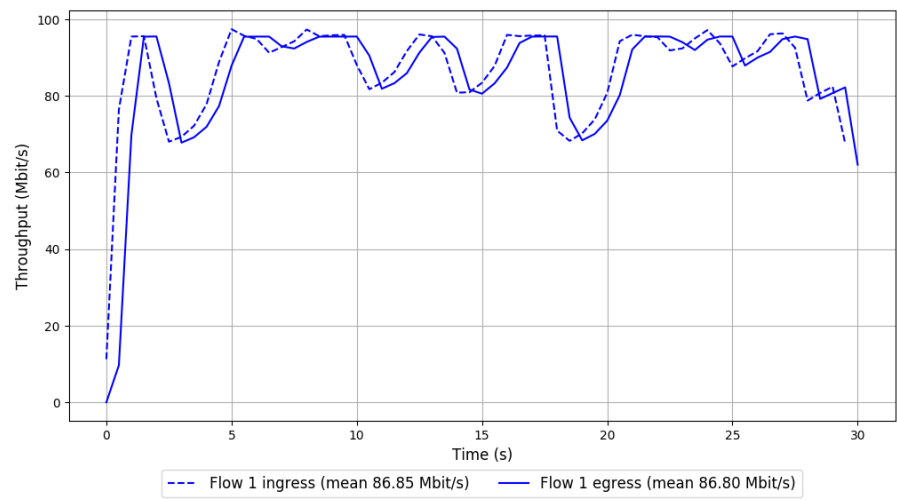


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 19:35:52
End at: 2018-08-09 19:36:22
Local clock offset: -0.594 ms
Remote clock offset: -2.972 ms

Below is generated by plot.py at 2018-08-09 21:20:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 43.419 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 43.419 ms
Loss rate: 0.27%

Run 7: Report of PCC-Expr — Data Link

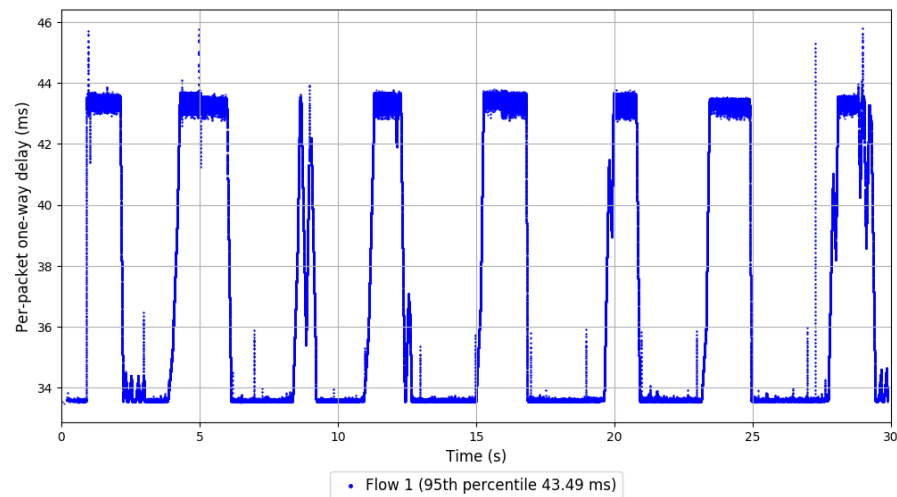
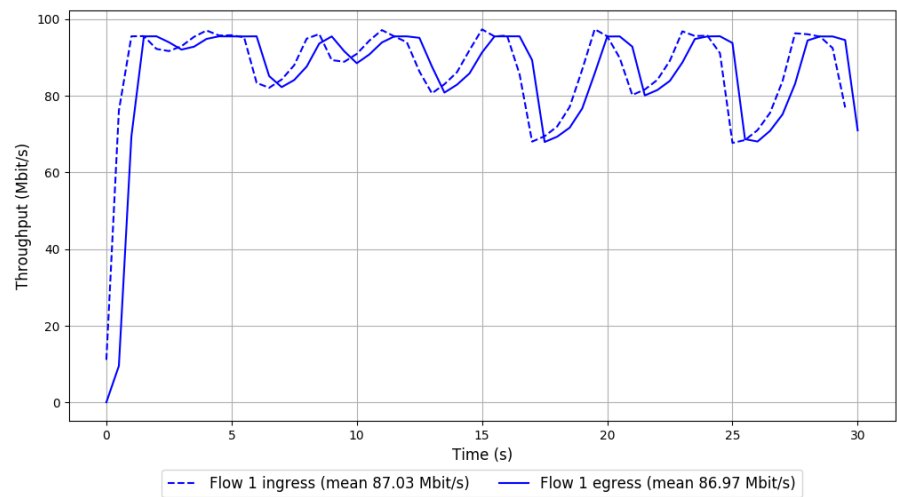


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 19:58:19
End at: 2018-08-09 19:58:49
Local clock offset: -0.58 ms
Remote clock offset: -1.727 ms

Below is generated by plot.py at 2018-08-09 21:20:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 43.495 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 43.495 ms
Loss rate: 0.28%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

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

End at: 2018-08-09 20:21:07

Local clock offset: -0.44 ms

Remote clock offset: -1.91 ms

Below is generated by plot.py at 2018-08-09 21:21:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 43.271 ms

Loss rate: 0.37%

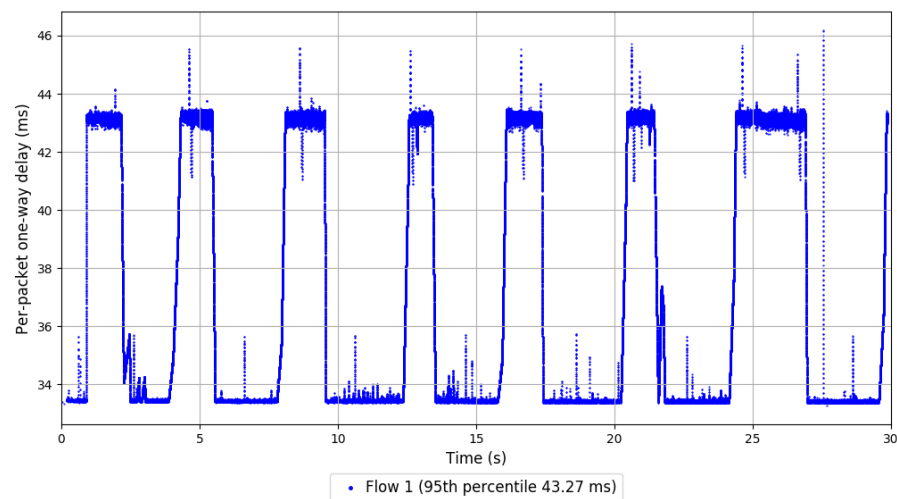
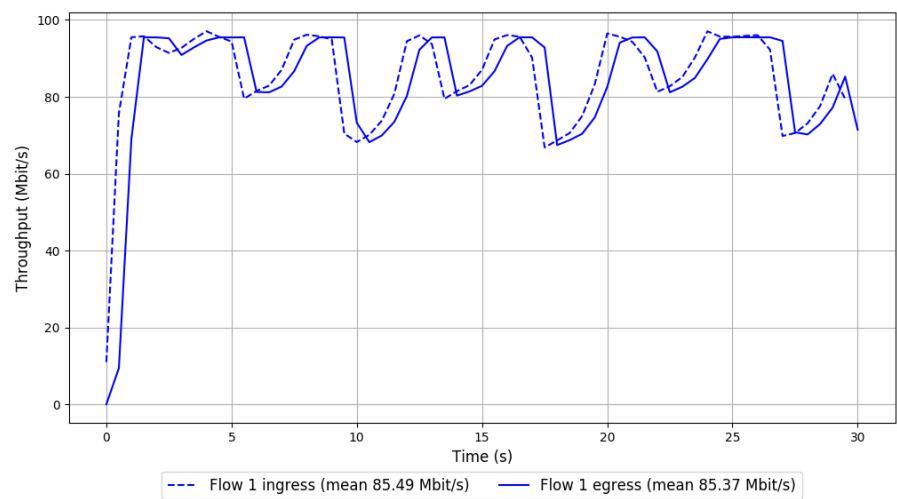
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 43.271 ms

Loss rate: 0.37%

Run 9: Report of PCC-Expr — Data Link

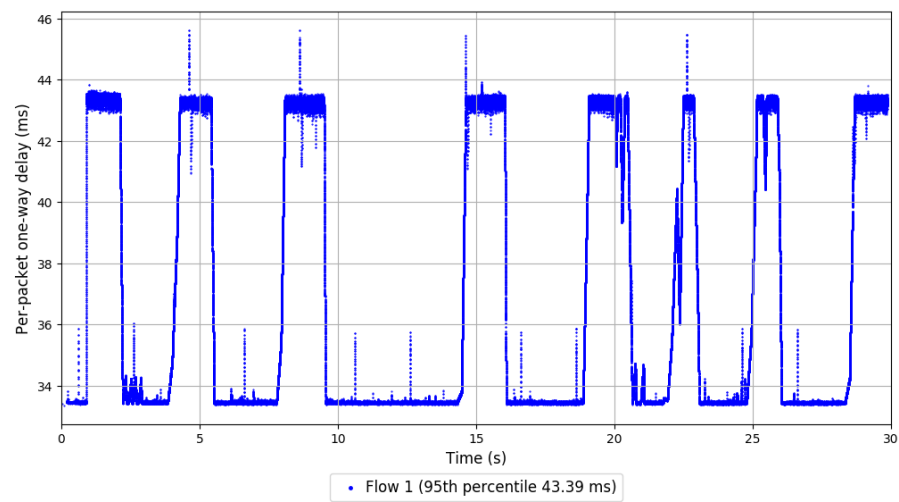
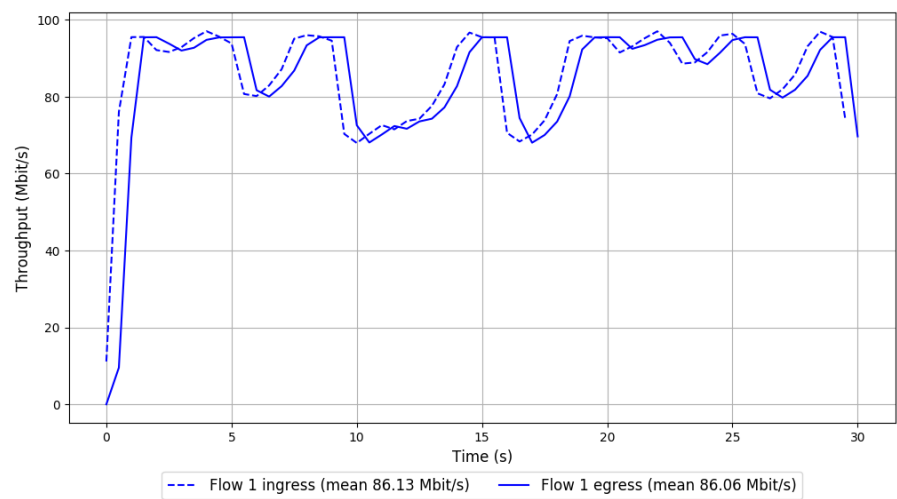


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 20:42:55
End at: 2018-08-09 20:43:25
Local clock offset: -0.288 ms
Remote clock offset: -1.913 ms

Below is generated by plot.py at 2018-08-09 21:21:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 43.390 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 43.390 ms
Loss rate: 0.30%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 17:40:23

End at: 2018-08-09 17:40:53

Local clock offset: 0.429 ms

Remote clock offset: 1.406 ms

Below is generated by plot.py at 2018-08-09 21:21:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: 40.616 ms

Loss rate: 0.28%

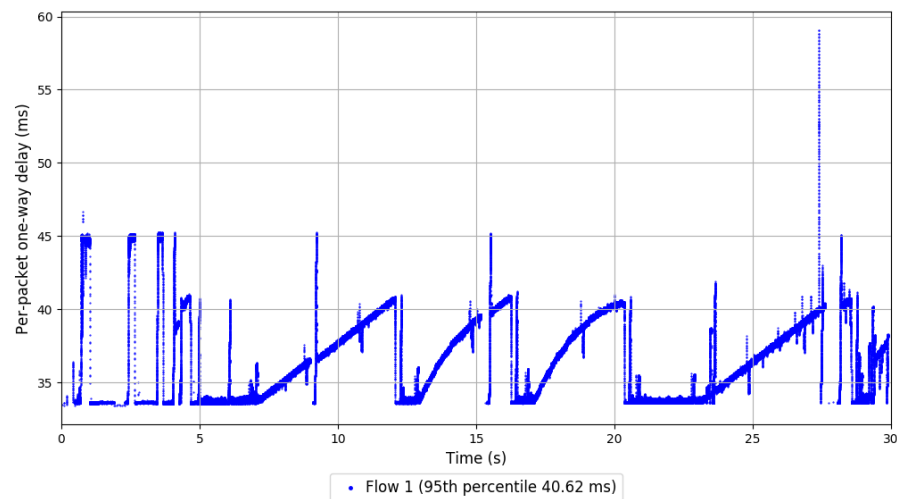
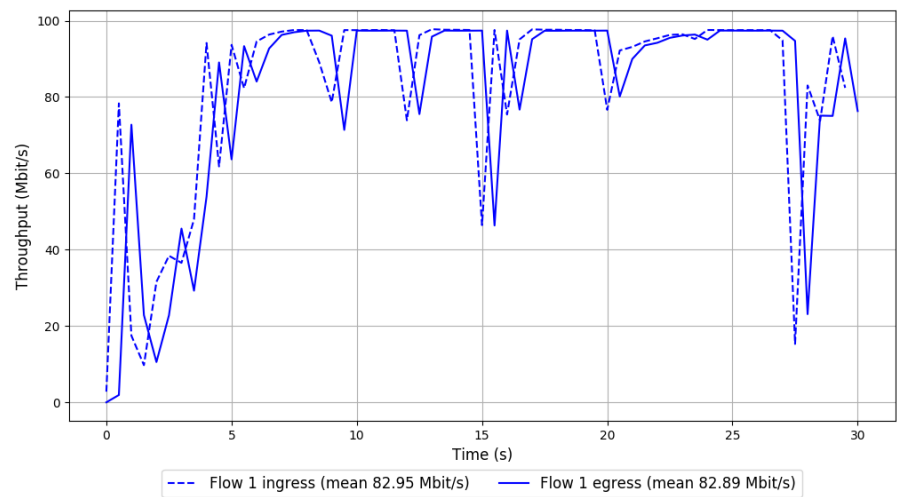
-- Flow 1:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: 40.616 ms

Loss rate: 0.28%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 18:02:37

End at: 2018-08-09 18:03:07

Local clock offset: 0.296 ms

Remote clock offset: 0.741 ms

Below is generated by plot.py at 2018-08-09 21:21:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.89 Mbit/s

95th percentile per-packet one-way delay: 40.439 ms

Loss rate: 0.26%

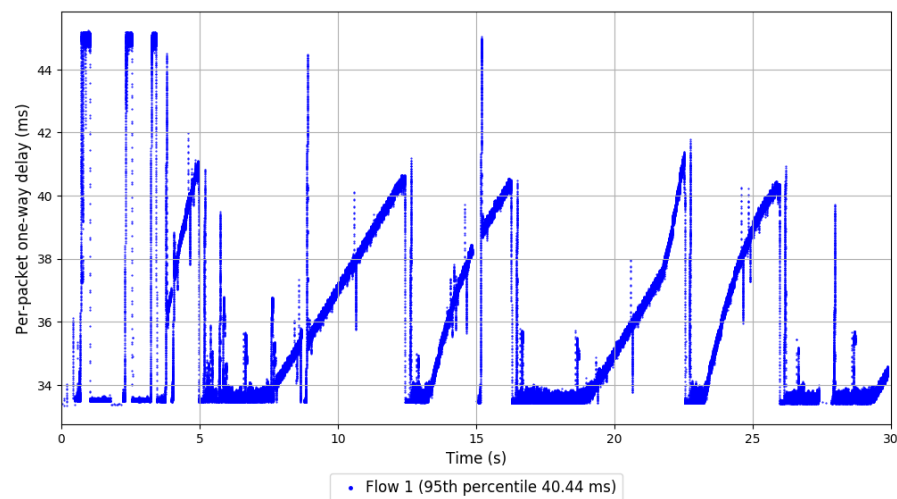
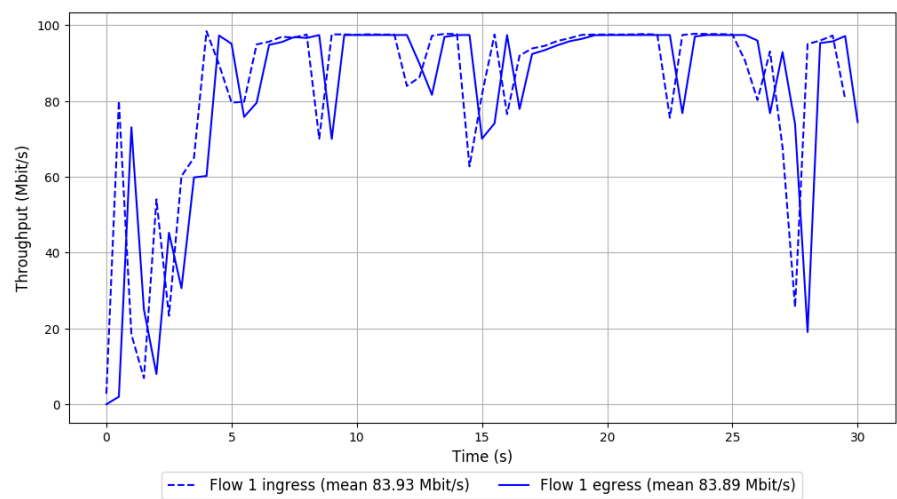
-- Flow 1:

Average throughput: 83.89 Mbit/s

95th percentile per-packet one-way delay: 40.439 ms

Loss rate: 0.26%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 18:24:54

End at: 2018-08-09 18:25:24

Local clock offset: 0.291 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-08-09 21:21:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 40.911 ms

Loss rate: 0.25%

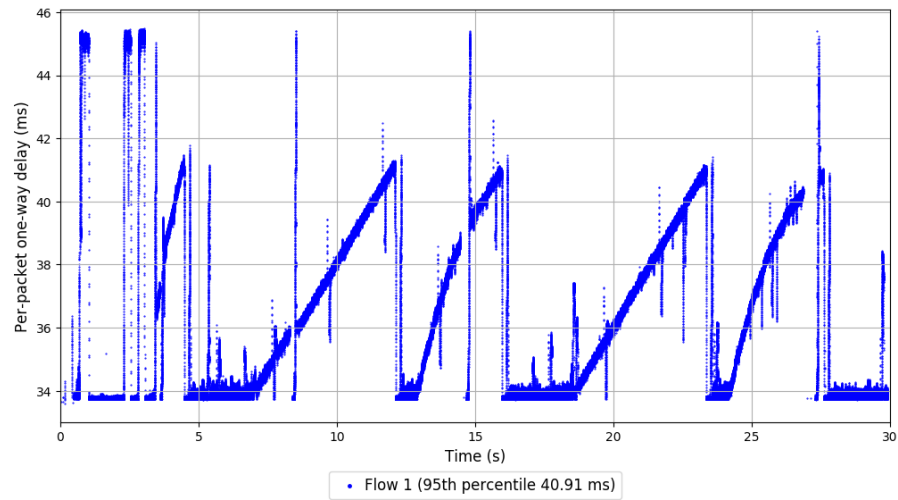
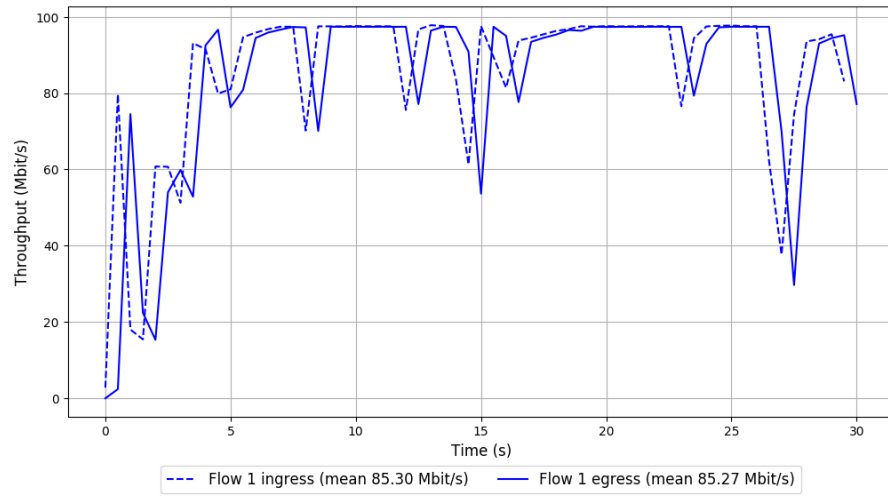
-- Flow 1:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 40.911 ms

Loss rate: 0.25%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 18:47:07

End at: 2018-08-09 18:47:37

Local clock offset: 0.25 ms

Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-08-09 21:21:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 43.128 ms

Loss rate: 0.29%

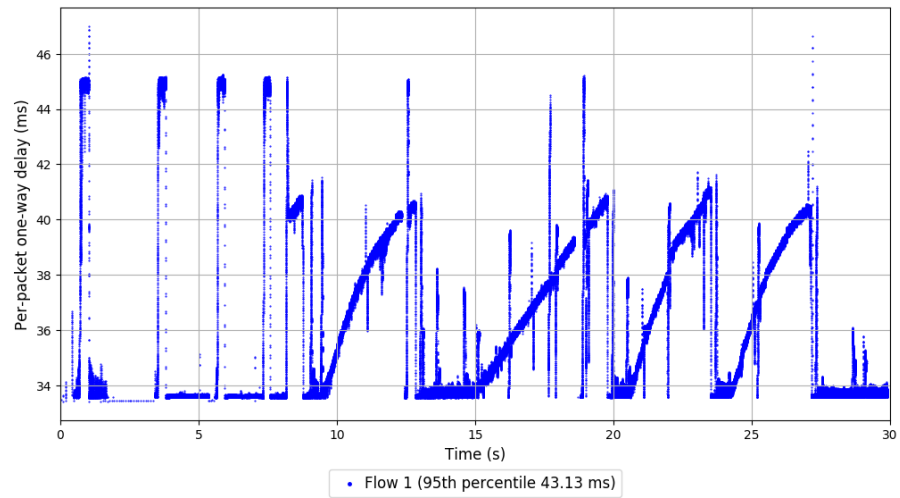
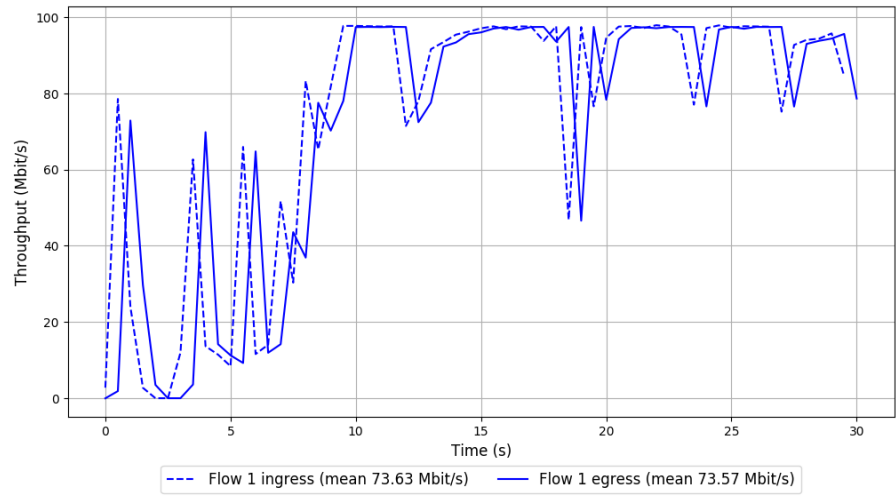
-- Flow 1:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 43.128 ms

Loss rate: 0.29%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

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

End at: 2018-08-09 19:10:03

Local clock offset: -0.145 ms

Remote clock offset: -1.09 ms

Below is generated by plot.py at 2018-08-09 21:21:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.69 Mbit/s

95th percentile per-packet one-way delay: 41.700 ms

Loss rate: 0.30%

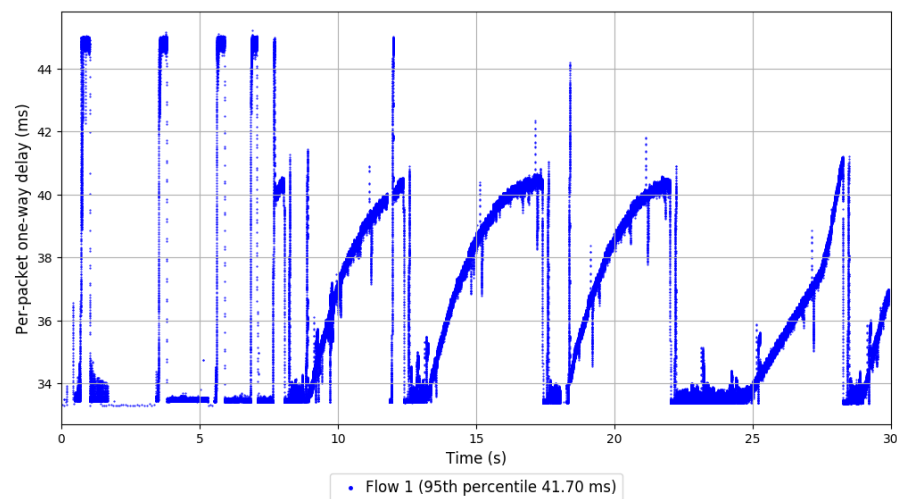
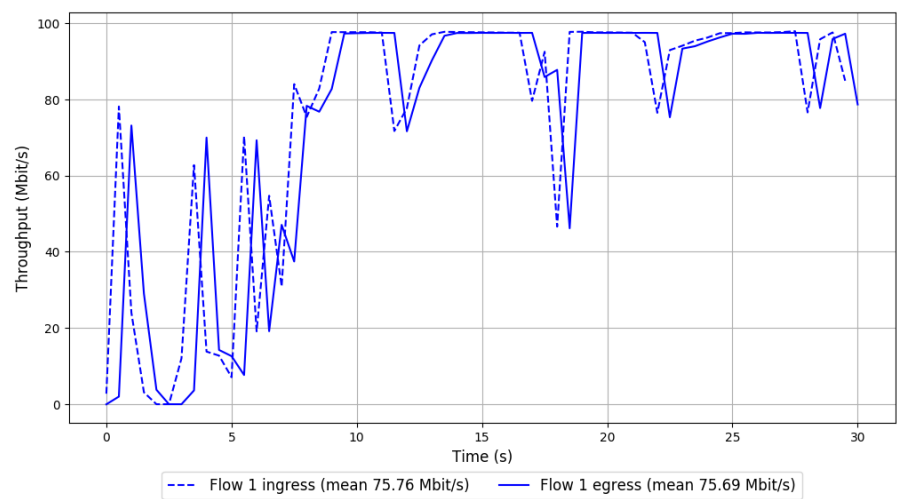
-- Flow 1:

Average throughput: 75.69 Mbit/s

95th percentile per-packet one-way delay: 41.700 ms

Loss rate: 0.30%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 19:31:54

End at: 2018-08-09 19:32:24

Local clock offset: -0.543 ms

Remote clock offset: -2.877 ms

Below is generated by plot.py at 2018-08-09 21:22:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 40.657 ms

Loss rate: 0.27%

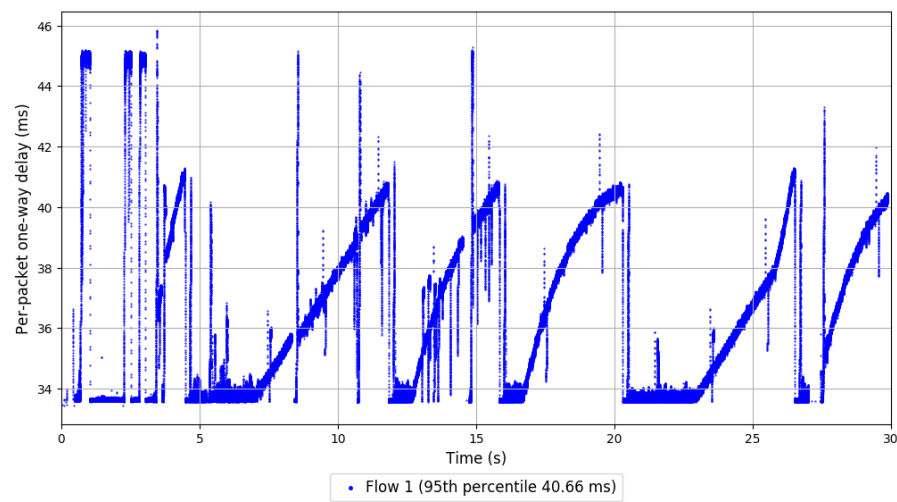
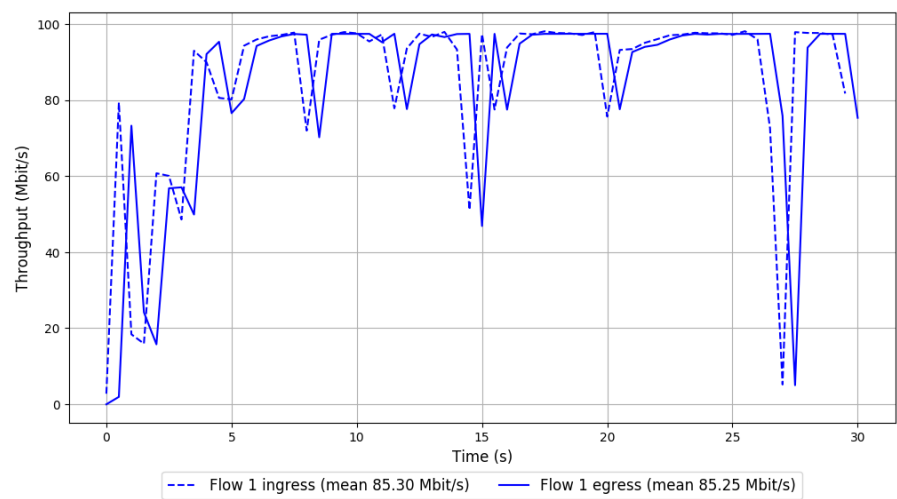
-- Flow 1:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 40.657 ms

Loss rate: 0.27%

Run 6: Report of QUIC Cubic — Data Link

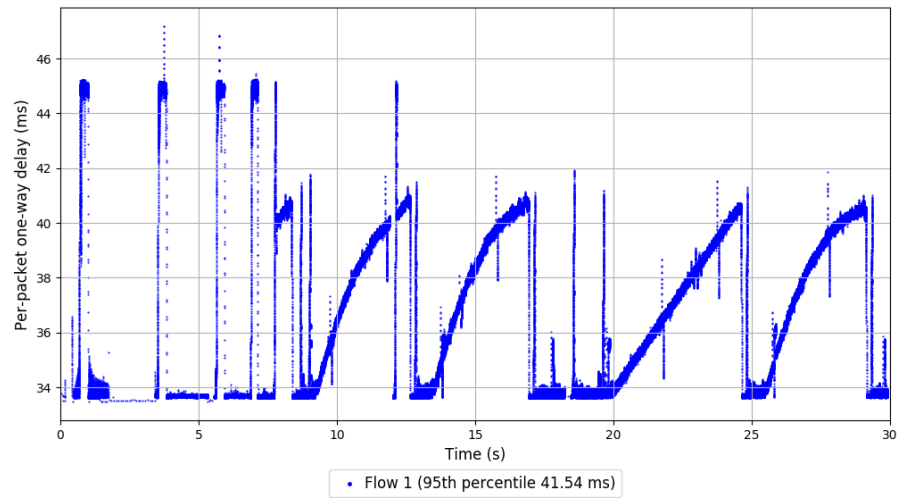
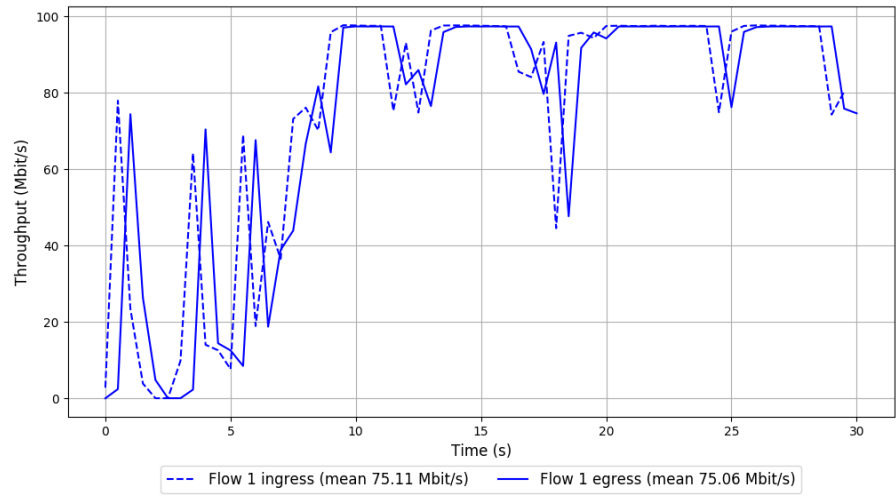


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 19:54:22
End at: 2018-08-09 19:54:52
Local clock offset: -0.583 ms
Remote clock offset: -1.908 ms

Below is generated by plot.py at 2018-08-09 21:22:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 41.538 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 41.538 ms
Loss rate: 0.28%

Run 7: Report of QUIC Cubic — Data Link

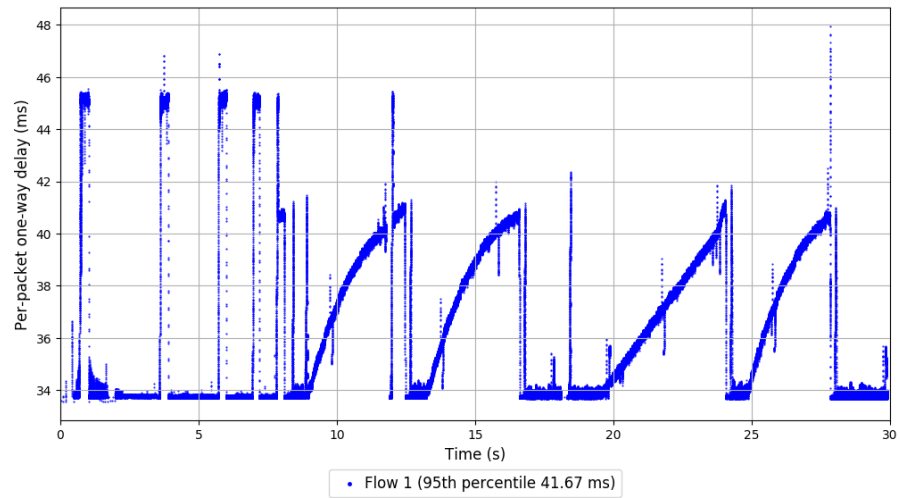
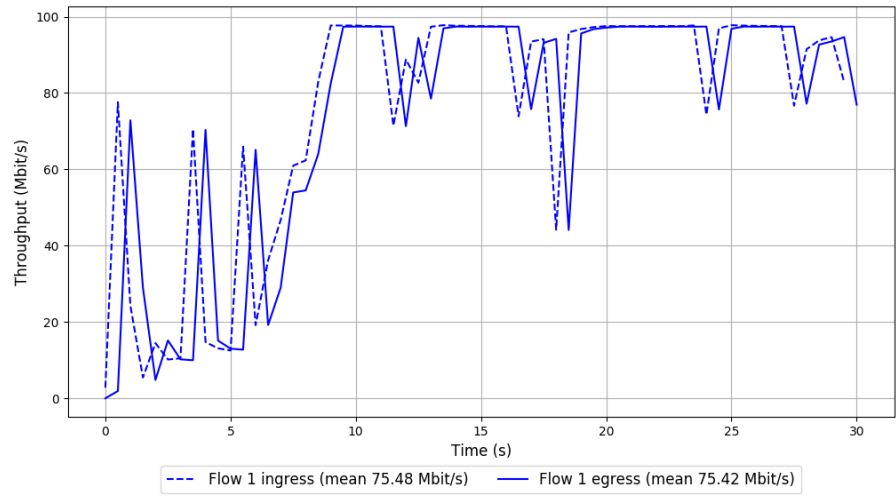


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 20:16:40
End at: 2018-08-09 20:17:10
Local clock offset: -0.53 ms
Remote clock offset: -2.059 ms

Below is generated by plot.py at 2018-08-09 21:22:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 41.669 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 41.669 ms
Loss rate: 0.28%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 20:38:57

End at: 2018-08-09 20:39:27

Local clock offset: -0.246 ms

Remote clock offset: -1.924 ms

Below is generated by plot.py at 2018-08-09 21:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.49 Mbit/s

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

Loss rate: 0.28%

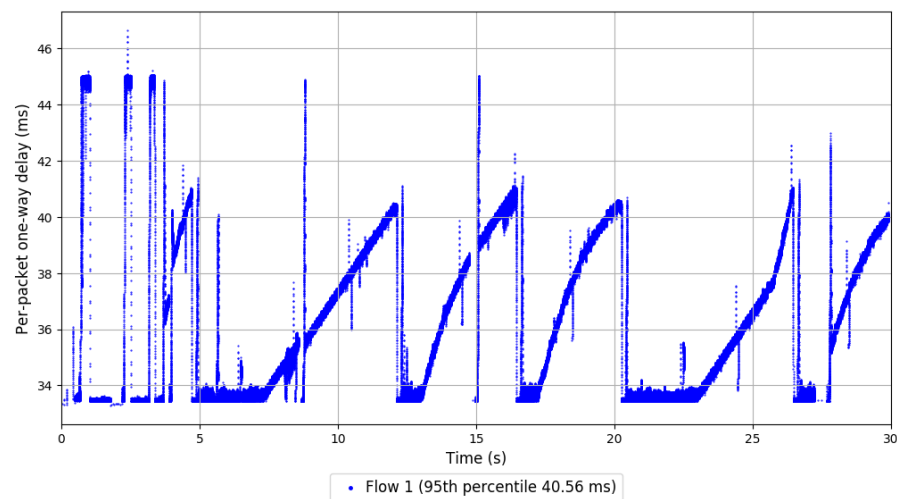
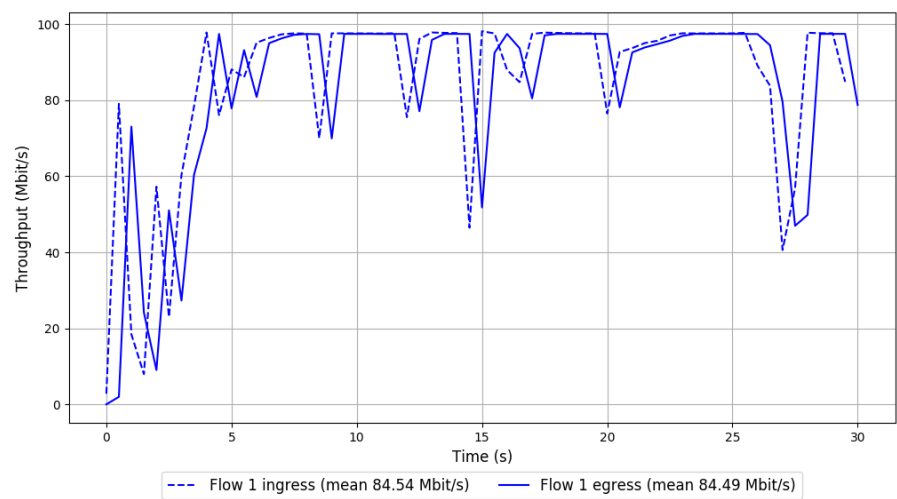
-- Flow 1:

Average throughput: 84.49 Mbit/s

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

Loss rate: 0.28%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 21:01:16

End at: 2018-08-09 21:01:46

Local clock offset: -0.454 ms

Remote clock offset: -2.918 ms

Below is generated by plot.py at 2018-08-09 21:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.15 Mbit/s

95th percentile per-packet one-way delay: 42.033 ms

Loss rate: 0.29%

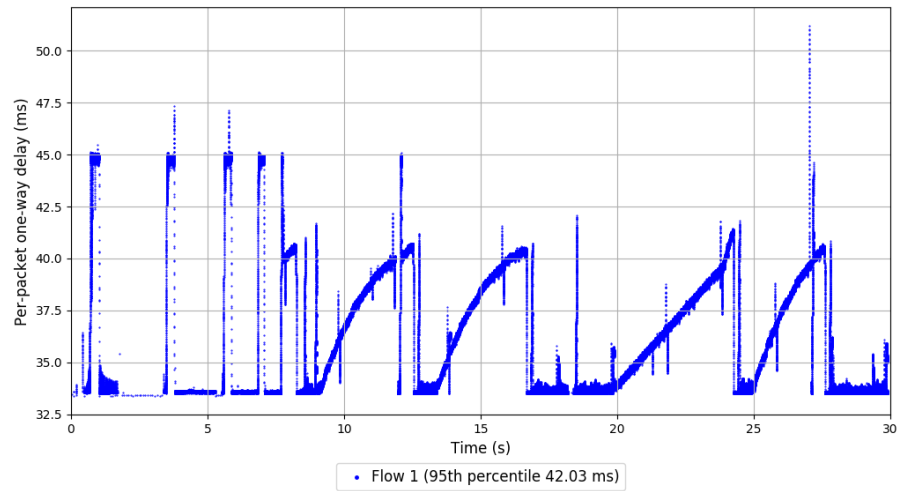
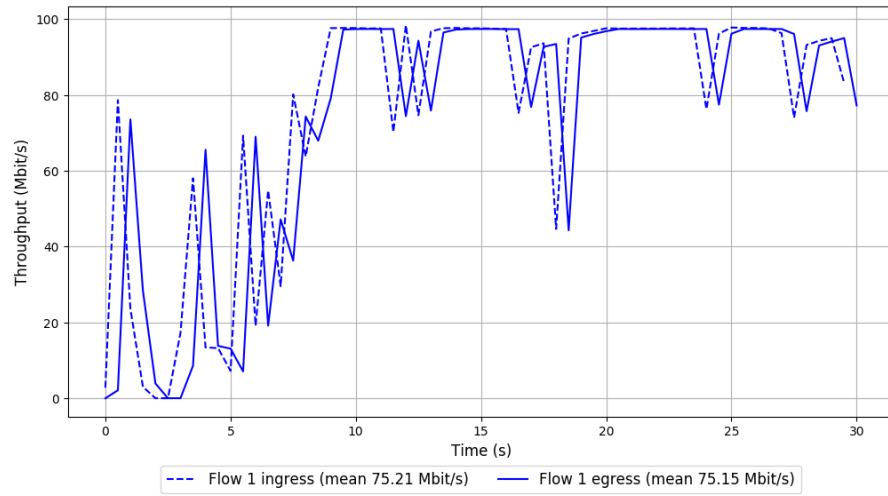
-- Flow 1:

Average throughput: 75.15 Mbit/s

95th percentile per-packet one-way delay: 42.033 ms

Loss rate: 0.29%

Run 10: Report of QUIC Cubic — Data Link

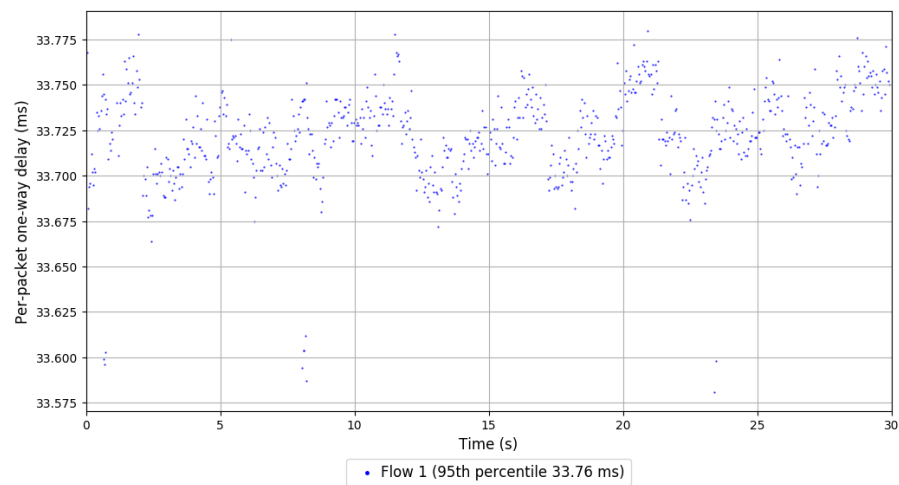
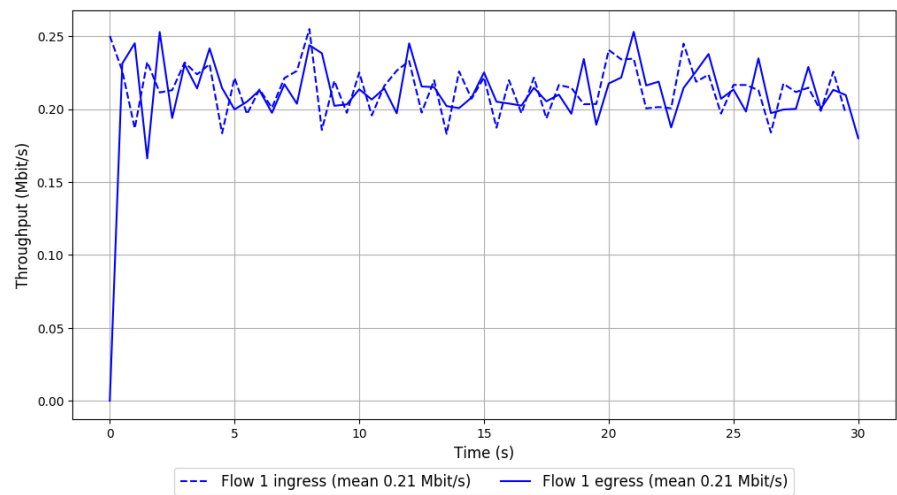


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 17:32:32
End at: 2018-08-09 17:33:02
Local clock offset: 0.284 ms
Remote clock offset: 0.693 ms

# Below is generated by plot.py at 2018-08-09 21:22:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.758 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.758 ms
Loss rate: 0.26%
```

Run 1: Report of SReAM — Data Link

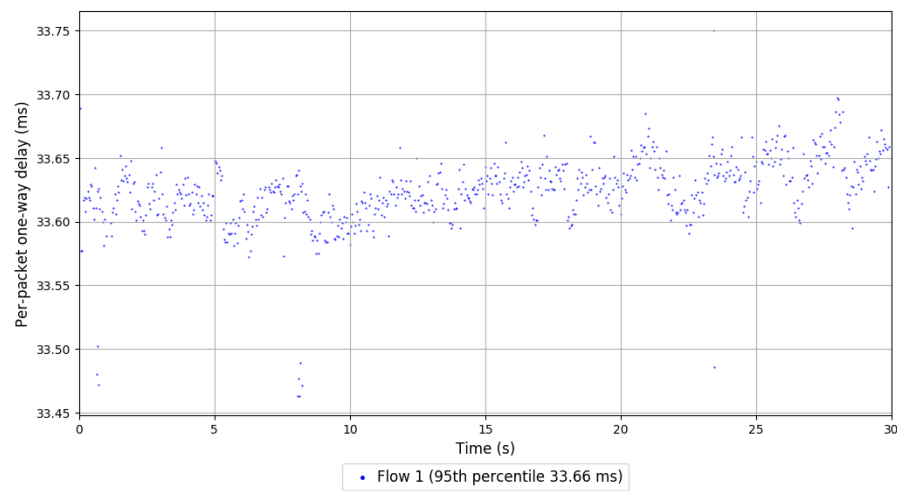
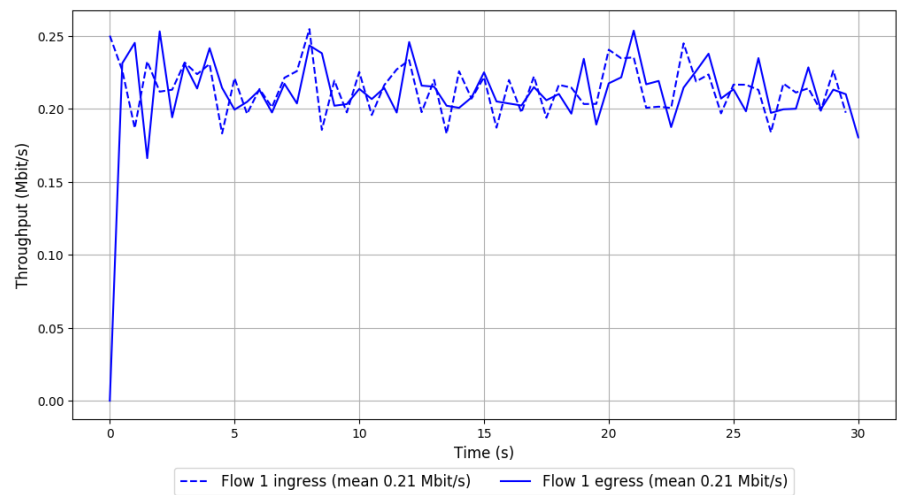


```
Run 2: Statistics of SCReAM

Start at: 2018-08-09 17:54:45
End at: 2018-08-09 17:55:15
Local clock offset: 0.346 ms
Remote clock offset: 2.39 ms

# Below is generated by plot.py at 2018-08-09 21:22:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.661 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.661 ms
Loss rate: 0.26%
```

Run 2: Report of SReAM — Data Link

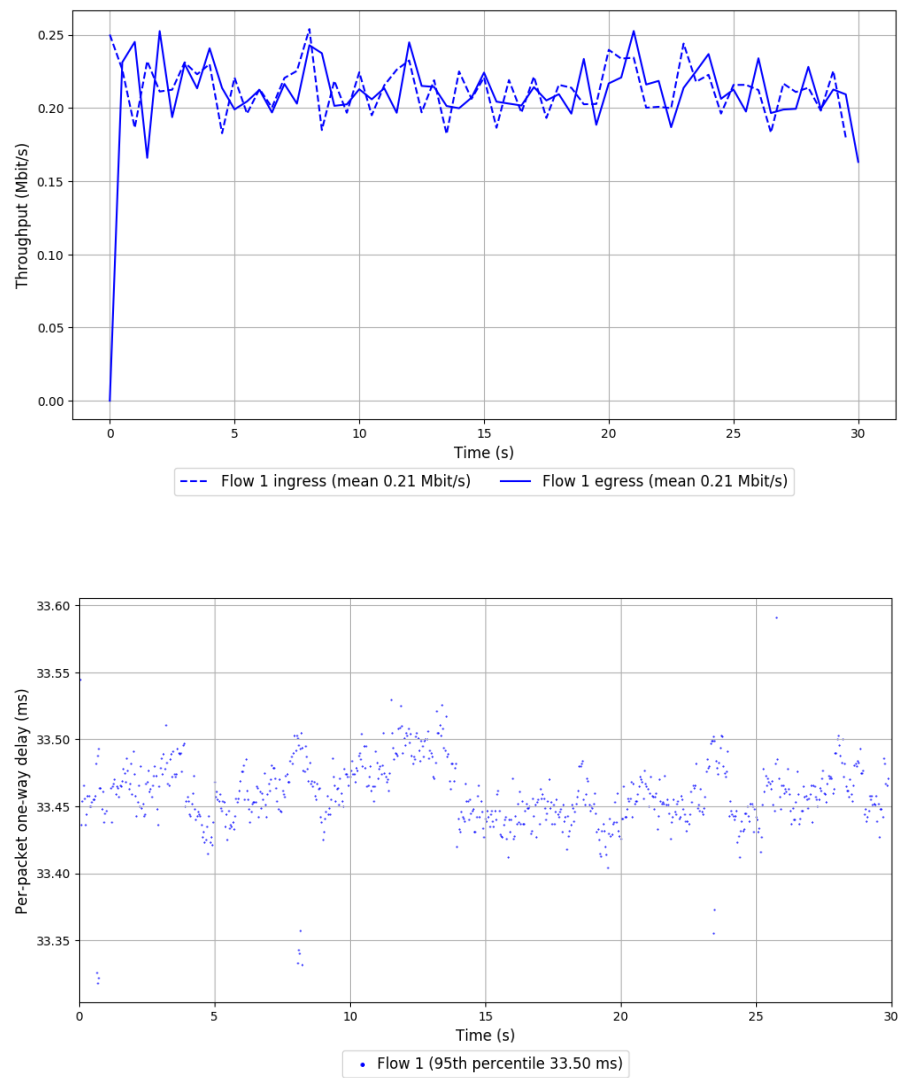


Run 3: Statistics of SCReAM

Start at: 2018-08-09 18:17:02
End at: 2018-08-09 18:17:32
Local clock offset: 0.226 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link

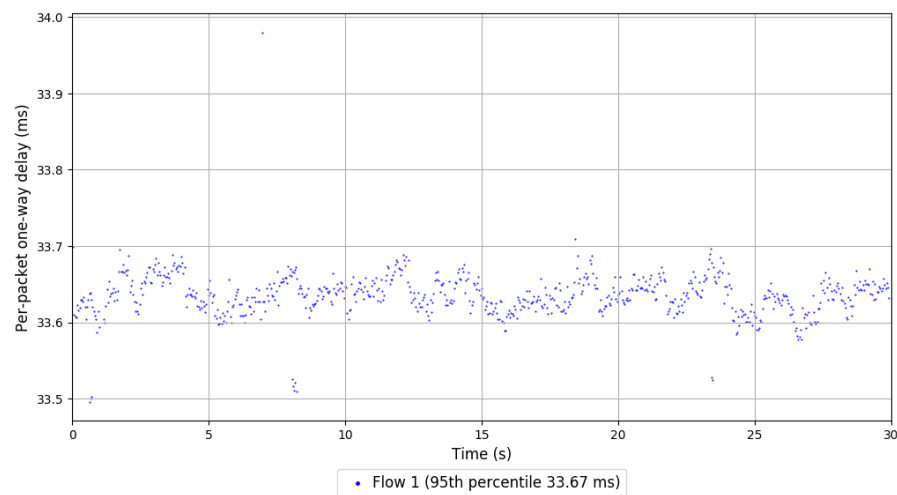
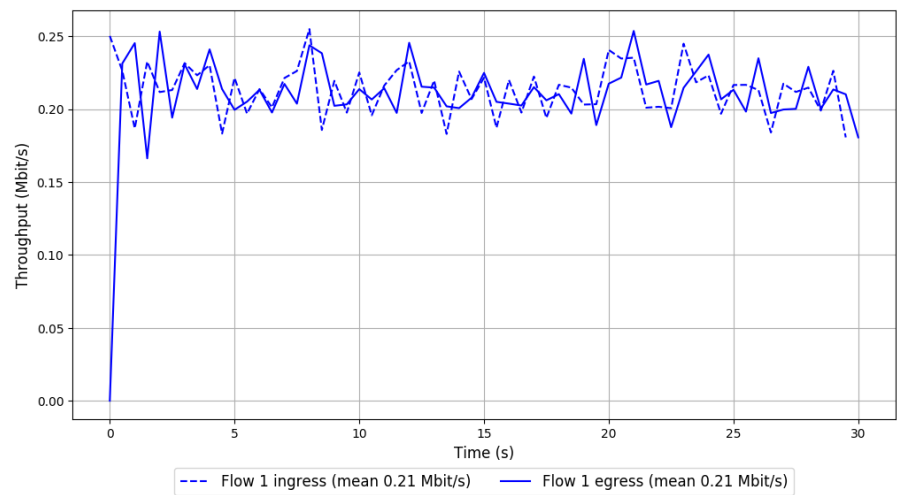


Run 4: Statistics of SCReAM

Start at: 2018-08-09 18:39:17
End at: 2018-08-09 18:39:47
Local clock offset: 0.316 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.672 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.672 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

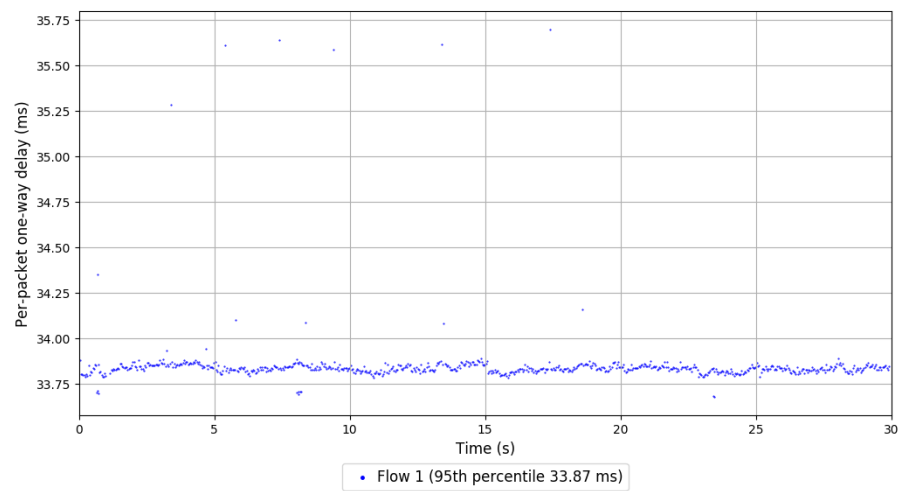
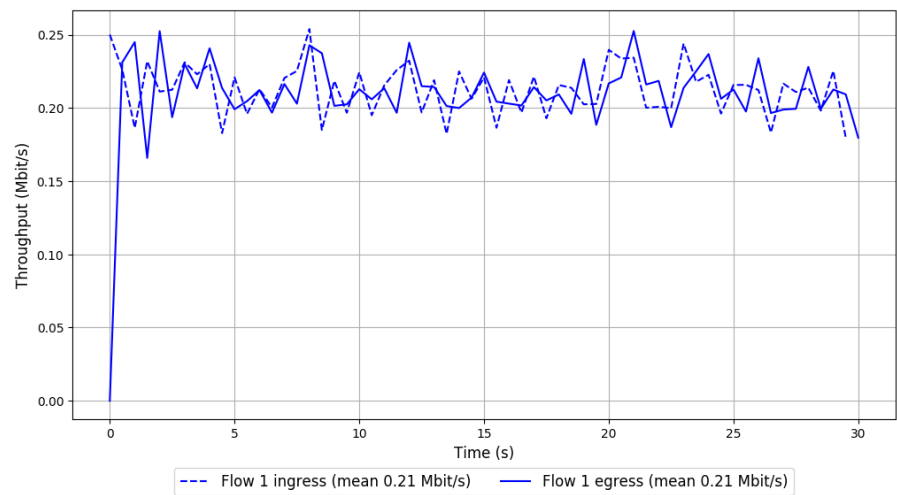


Run 5: Statistics of SCReAM

Start at: 2018-08-09 19:01:30
End at: 2018-08-09 19:02:00
Local clock offset: -0.068 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

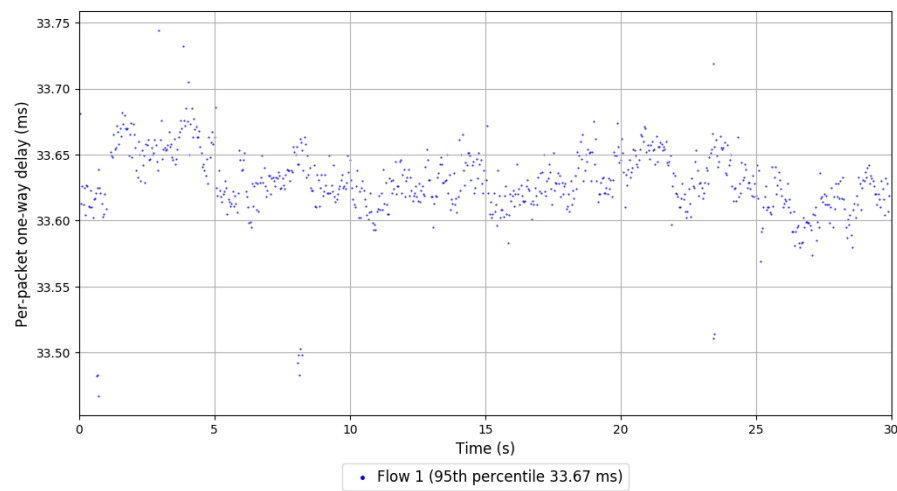
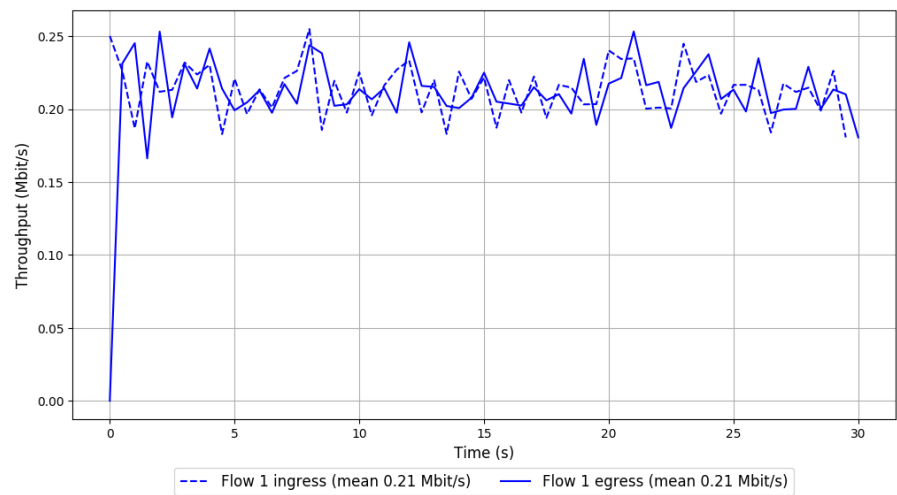


Run 6: Statistics of SCReAM

Start at: 2018-08-09 19:23:59
End at: 2018-08-09 19:24:29
Local clock offset: -0.424 ms
Remote clock offset: -2.449 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.666 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.666 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

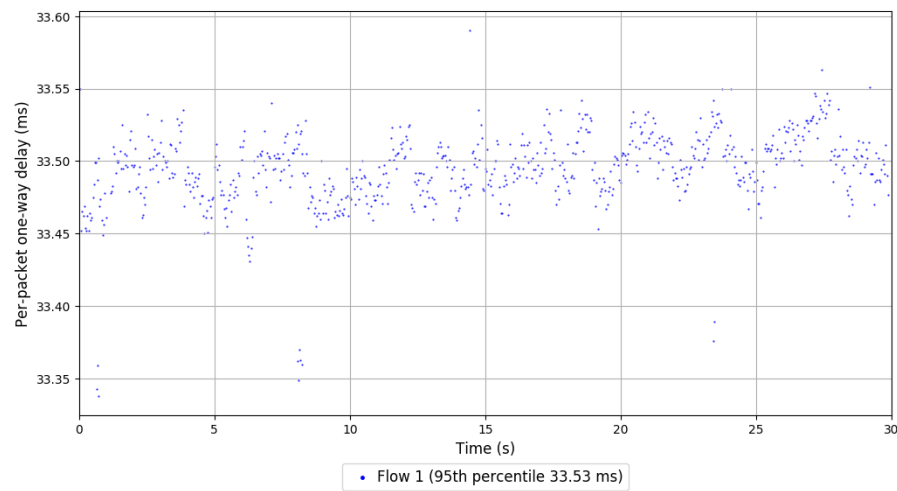
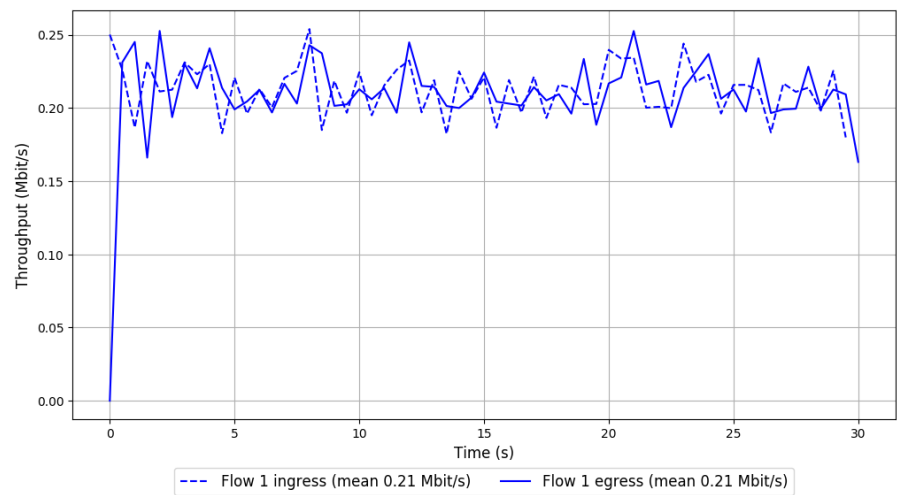


Run 7: Statistics of SCReAM

Start at: 2018-08-09 19:46:29
End at: 2018-08-09 19:46:59
Local clock offset: -0.736 ms
Remote clock offset: -2.286 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.530 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.530 ms
Loss rate: 0.26%

Run 7: Report of SReAM — Data Link

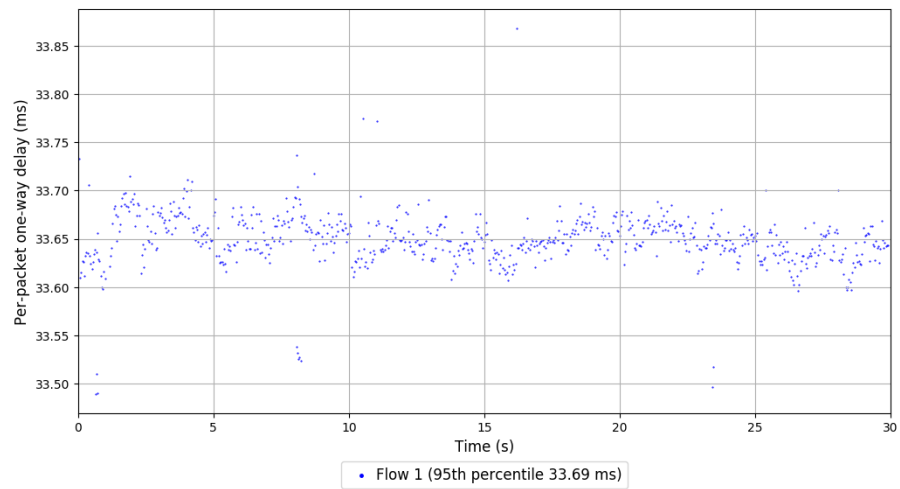
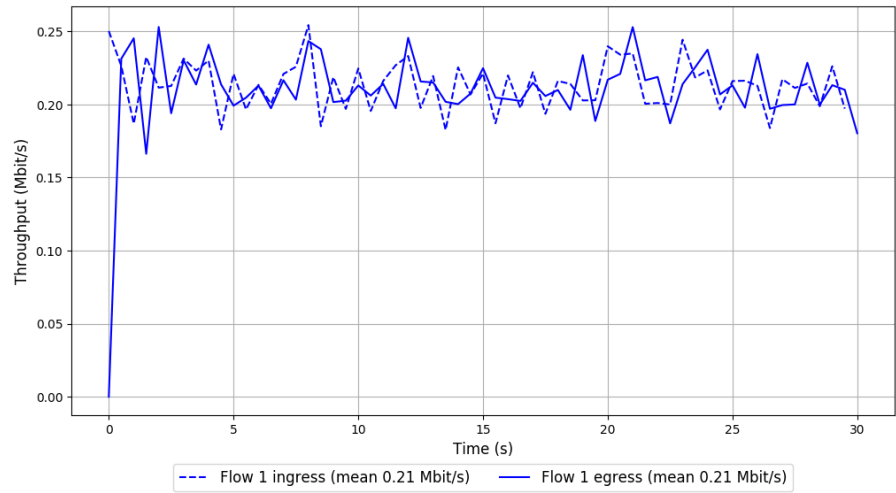


Run 8: Statistics of SCReAM

Start at: 2018-08-09 20:08:46
End at: 2018-08-09 20:09:16
Local clock offset: -0.561 ms
Remote clock offset: -1.609 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.686 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.686 ms
Loss rate: 0.26%

Run 8: Report of SReAM — Data Link

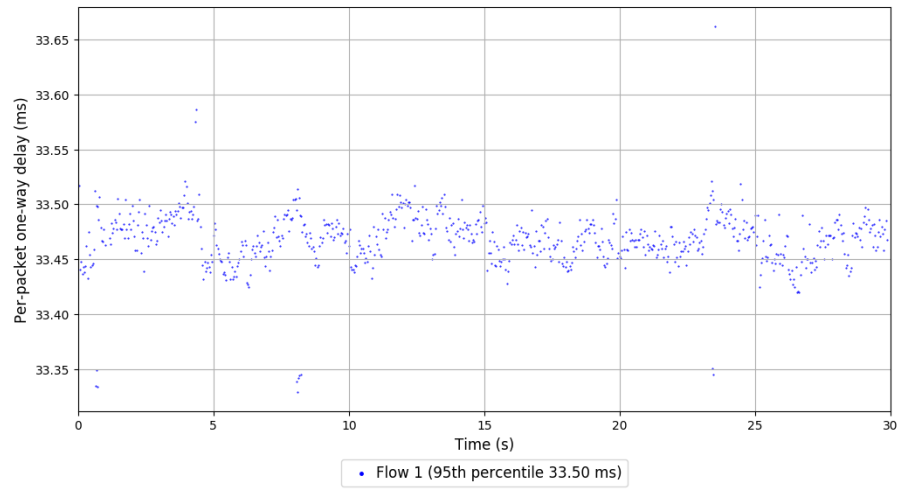
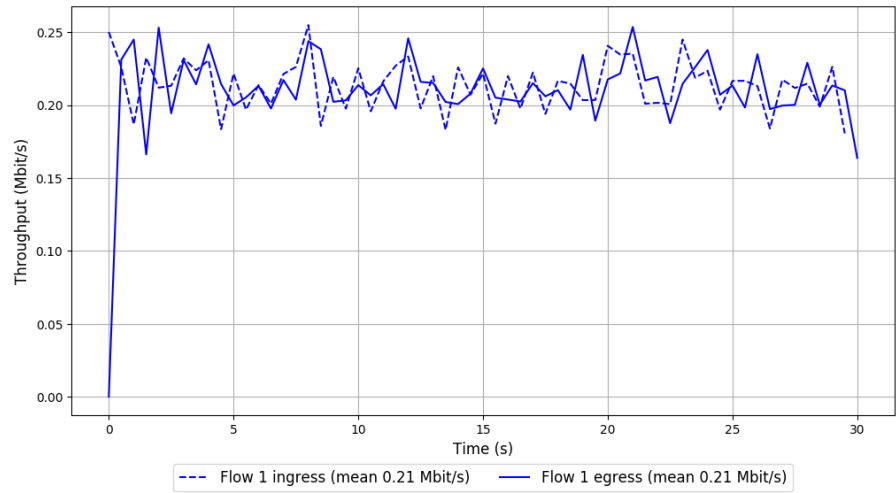


Run 9: Statistics of SCReAM

Start at: 2018-08-09 20:31:04
End at: 2018-08-09 20:31:34
Local clock offset: -0.305 ms
Remote clock offset: -2.025 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.501 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.501 ms
Loss rate: 0.26%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-09 20:53:23

End at: 2018-08-09 20:53:53

Local clock offset: -0.38 ms

Remote clock offset: -2.494 ms

Below is generated by plot.py at 2018-08-09 21:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.549 ms

Loss rate: 0.26%

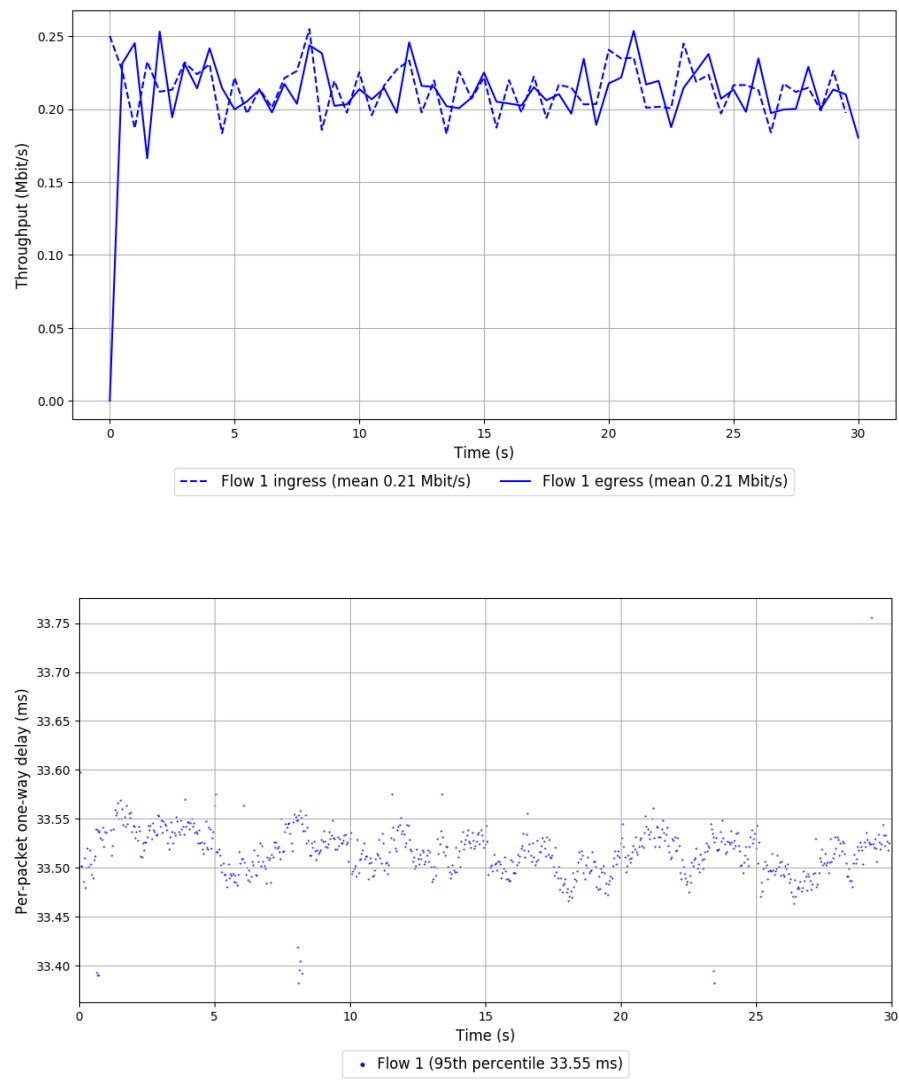
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.549 ms

Loss rate: 0.26%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-09 17:24:47

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

Local clock offset: 0.209 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-08-09 21:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.66 Mbit/s

95th percentile per-packet one-way delay: 40.357 ms

Loss rate: 0.28%

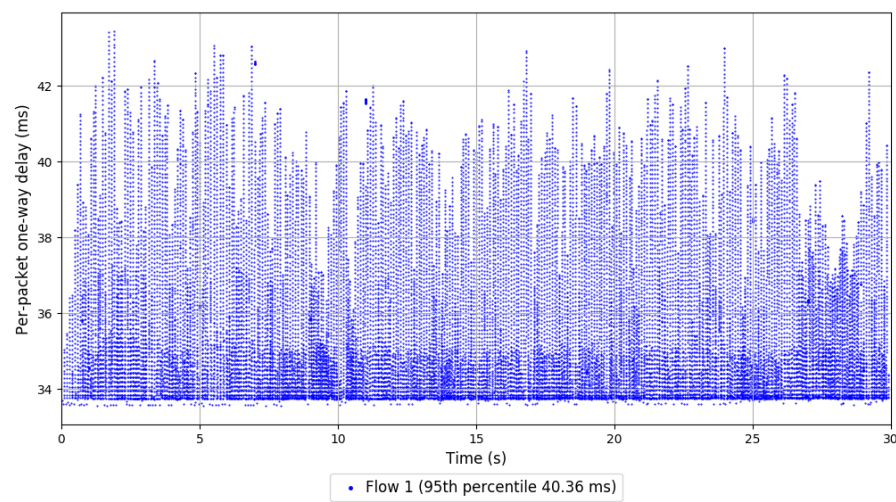
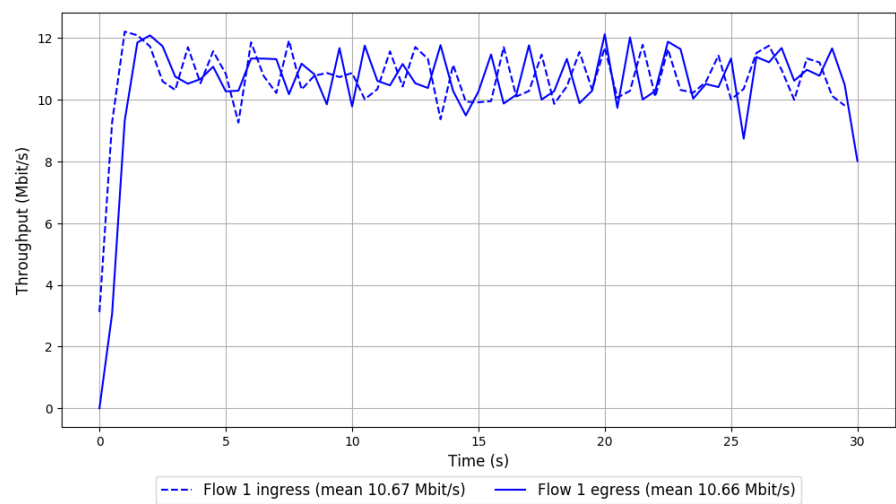
-- Flow 1:

Average throughput: 10.66 Mbit/s

95th percentile per-packet one-way delay: 40.357 ms

Loss rate: 0.28%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-09 17:47:00

End at: 2018-08-09 17:47:30

Local clock offset: 0.446 ms

Remote clock offset: 1.82 ms

Below is generated by plot.py at 2018-08-09 21:22:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 40.203 ms

Loss rate: 0.31%

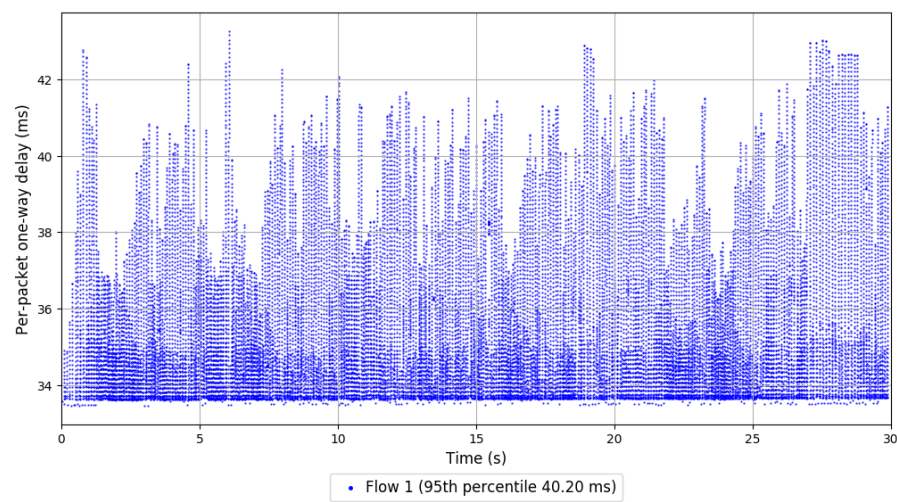
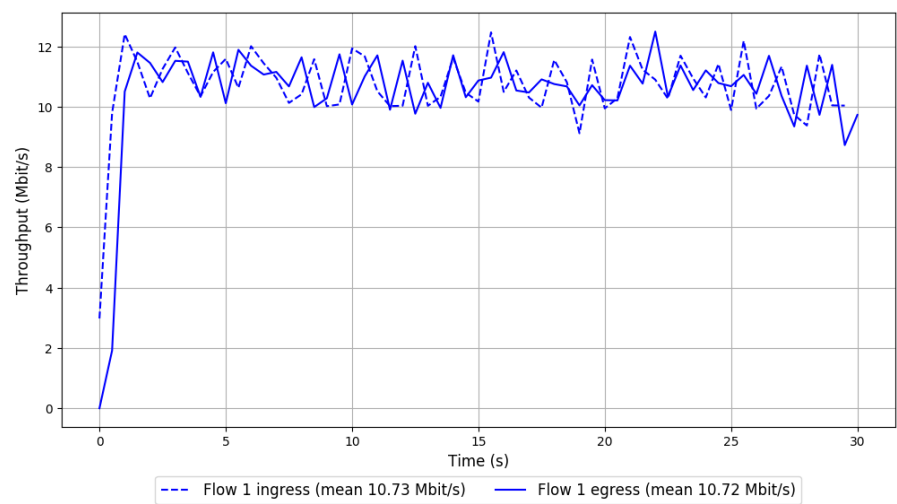
-- Flow 1:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 40.203 ms

Loss rate: 0.31%

Run 2: Report of Sprout — Data Link

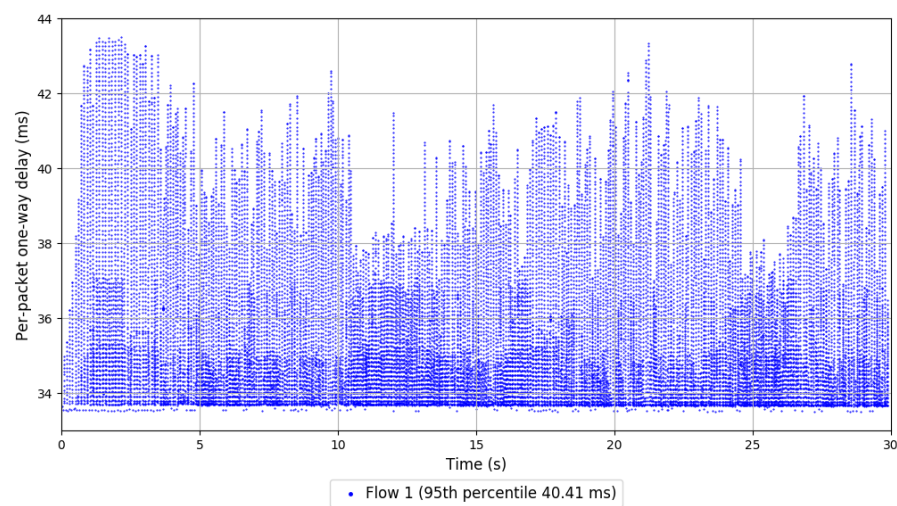
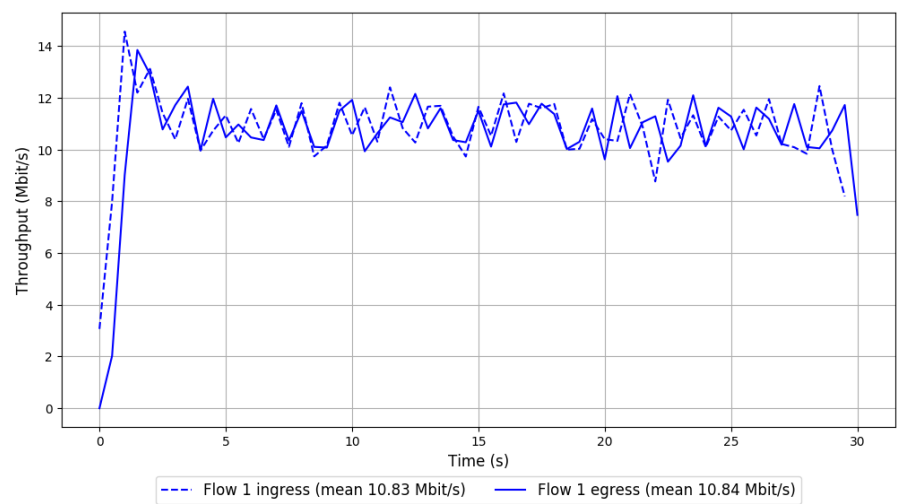


Run 3: Statistics of Sprout

Start at: 2018-08-09 18:09:16
End at: 2018-08-09 18:09:46
Local clock offset: 0.212 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 40.409 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 40.409 ms
Loss rate: 0.11%

Run 3: Report of Sprout — Data Link

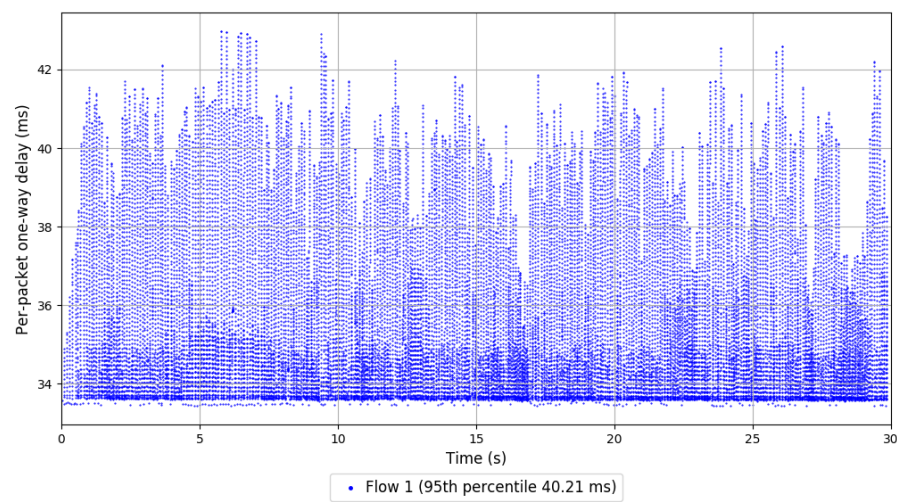
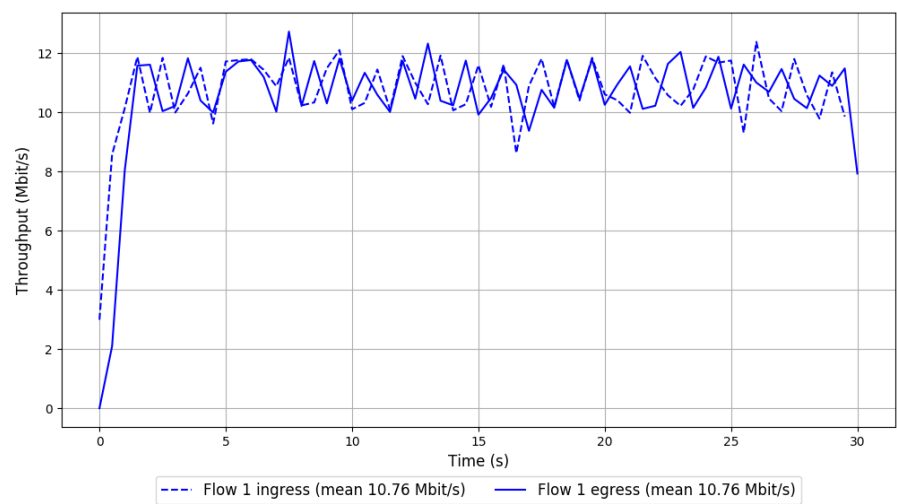


Run 4: Statistics of Sprout

Start at: 2018-08-09 18:31:31
End at: 2018-08-09 18:32:01
Local clock offset: 0.293 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 40.212 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 40.212 ms
Loss rate: 0.31%

Run 4: Report of Sprout — Data Link

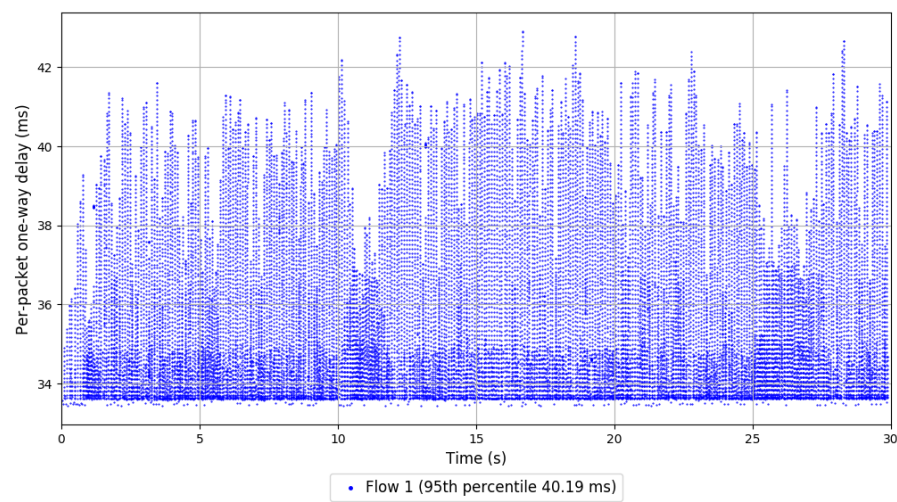
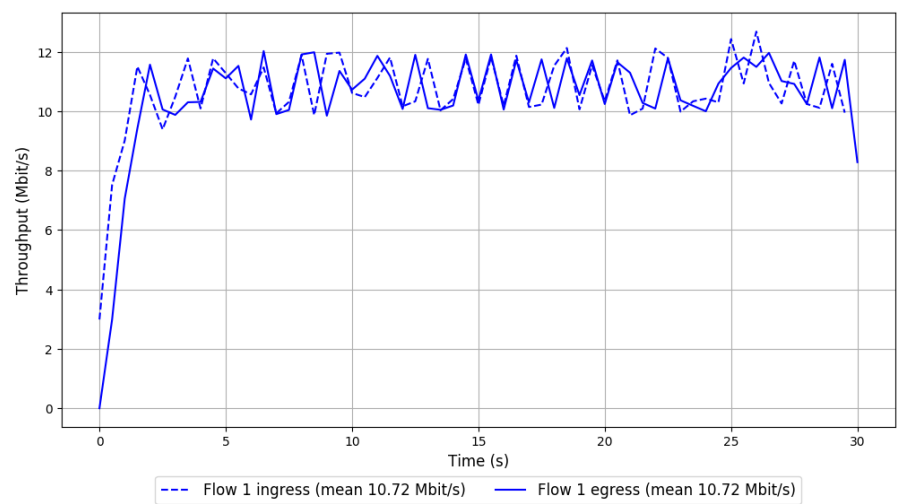


Run 5: Statistics of Sprout

Start at: 2018-08-09 18:53:44
End at: 2018-08-09 18:54:14
Local clock offset: -0.036 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-08-09 21:22:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 40.186 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 40.186 ms
Loss rate: 0.27%

Run 5: Report of Sprout — Data Link

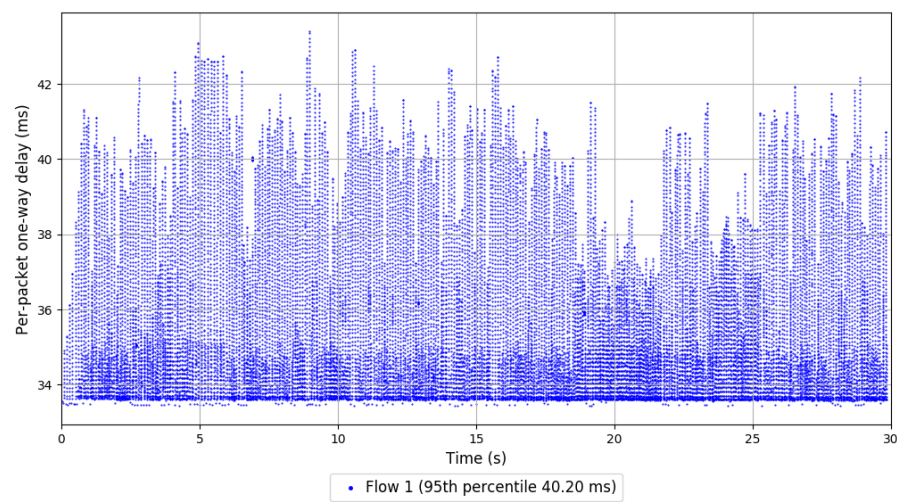
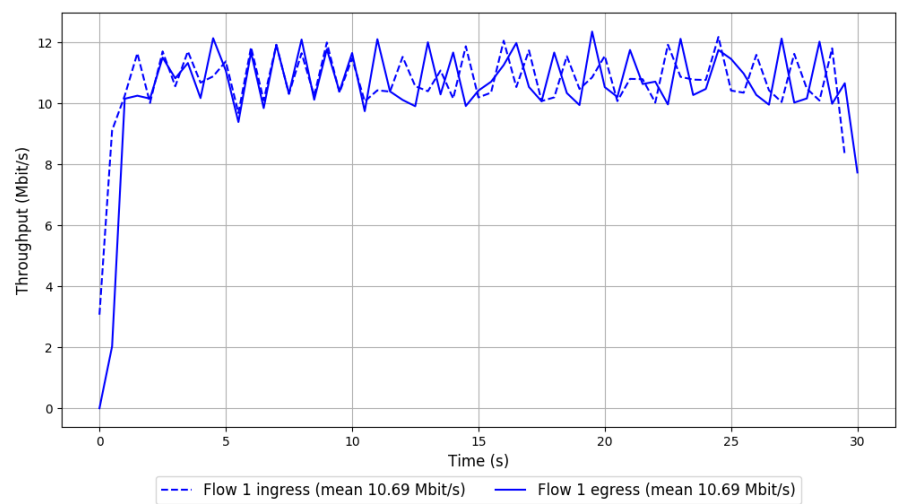


Run 6: Statistics of Sprout

Start at: 2018-08-09 19:16:13
End at: 2018-08-09 19:16:43
Local clock offset: -0.174 ms
Remote clock offset: -1.871 ms

Below is generated by plot.py at 2018-08-09 21:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 40.205 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 40.205 ms
Loss rate: 0.31%

Run 6: Report of Sprout — Data Link

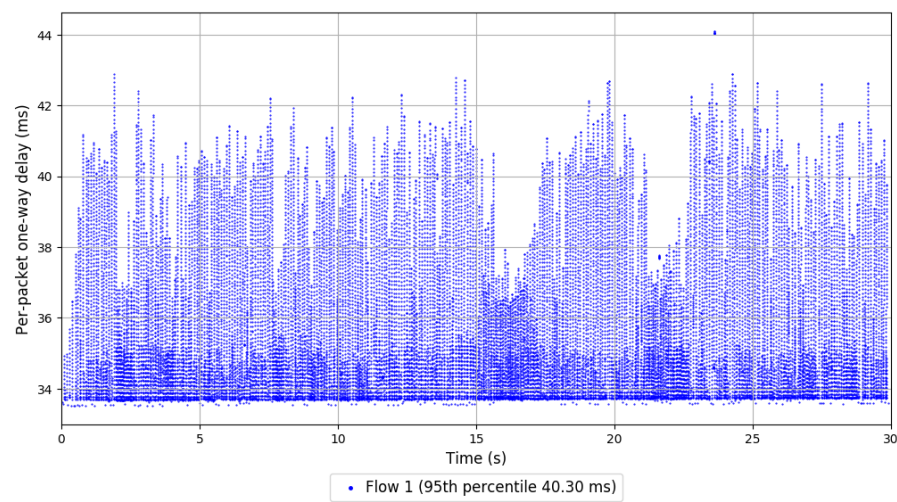
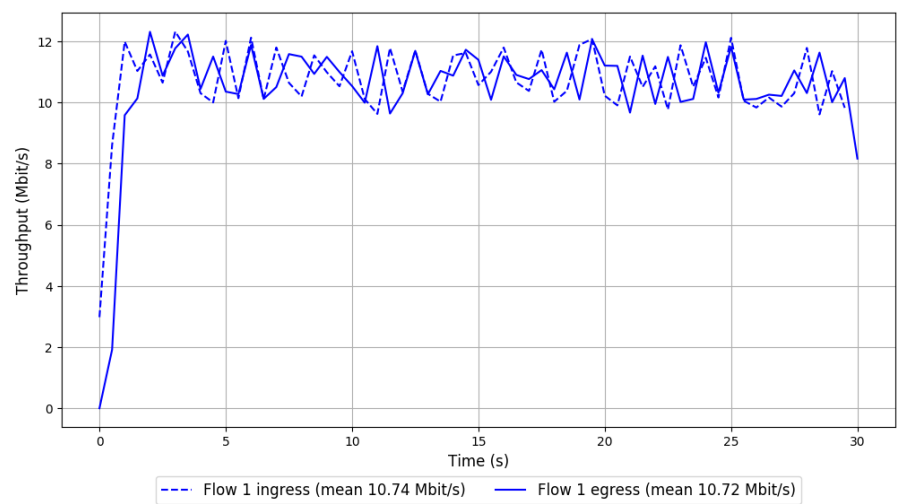


Run 7: Statistics of Sprout

Start at: 2018-08-09 19:38:34
End at: 2018-08-09 19:39:04
Local clock offset: -0.607 ms
Remote clock offset: -2.973 ms

Below is generated by plot.py at 2018-08-09 21:22:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 40.301 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 40.301 ms
Loss rate: 0.30%

Run 7: Report of Sprout — Data Link

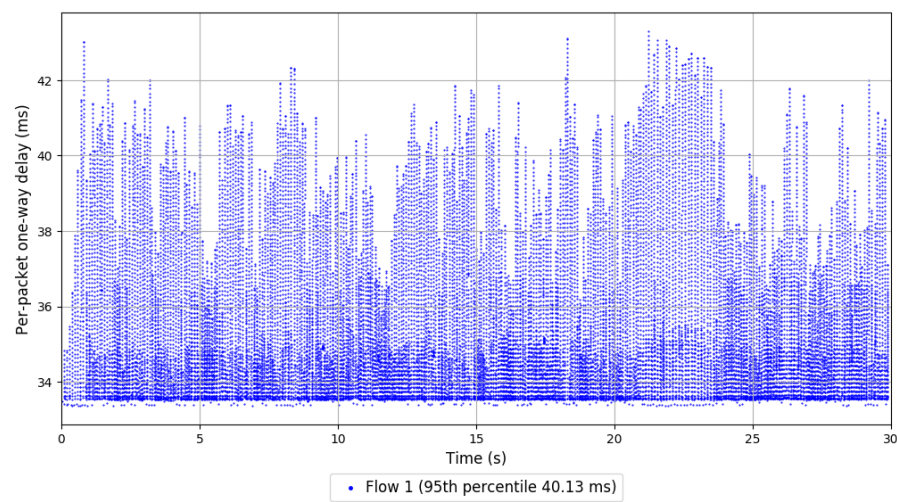
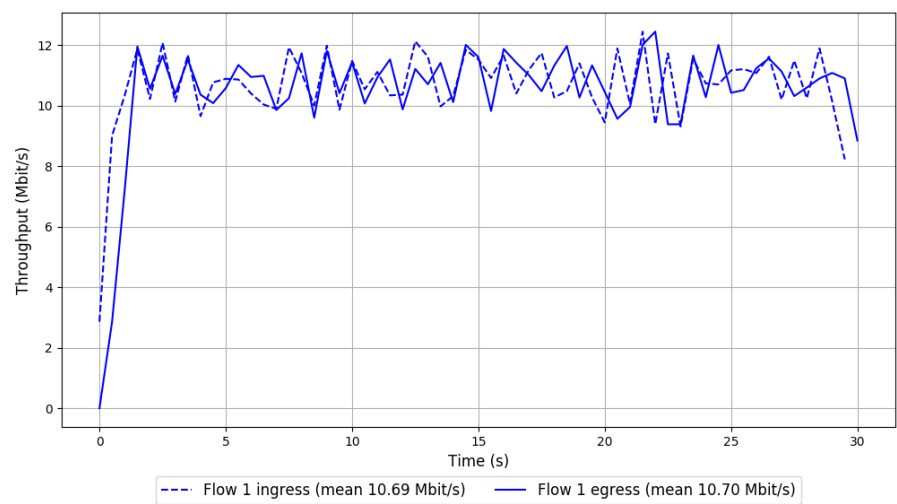


Run 8: Statistics of Sprout

Start at: 2018-08-09 20:01:00
End at: 2018-08-09 20:01:30
Local clock offset: -0.67 ms
Remote clock offset: -1.613 ms

Below is generated by plot.py at 2018-08-09 21:22:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 0.07%

Run 8: Report of Sprout — Data Link

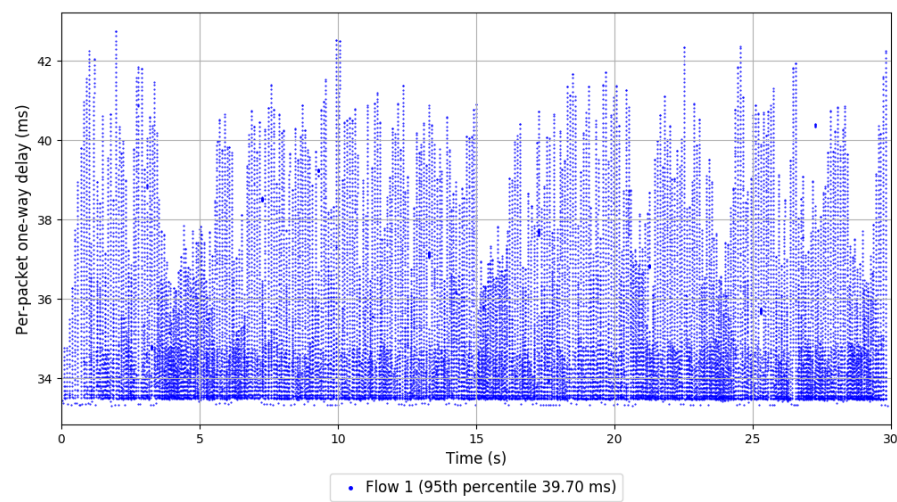
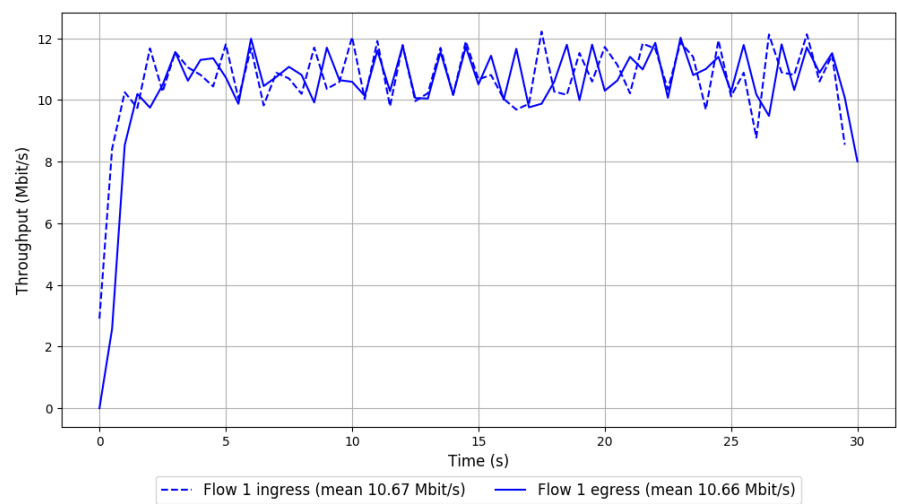


Run 9: Statistics of Sprout

Start at: 2018-08-09 20:23:18
End at: 2018-08-09 20:23:48
Local clock offset: -0.384 ms
Remote clock offset: -1.968 ms

Below is generated by plot.py at 2018-08-09 21:22:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.66 Mbit/s
95th percentile per-packet one-way delay: 39.697 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 10.66 Mbit/s
95th percentile per-packet one-way delay: 39.697 ms
Loss rate: 0.35%

Run 9: Report of Sprout — Data Link

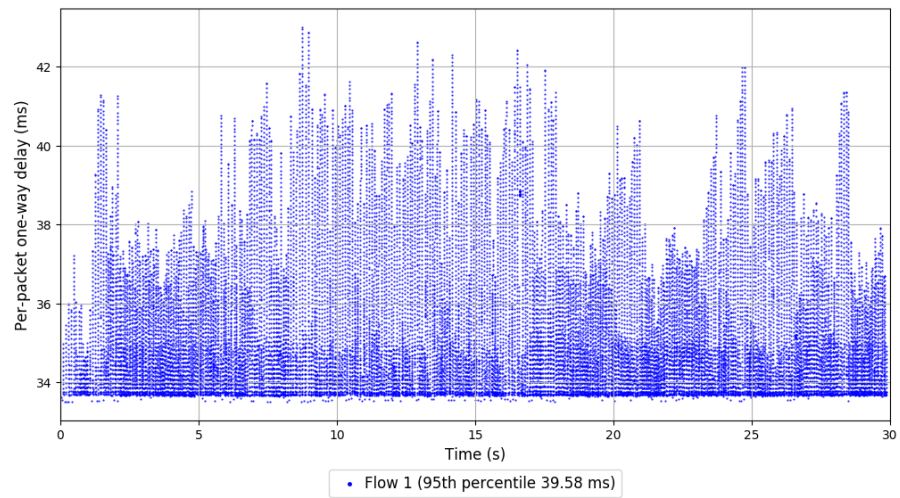
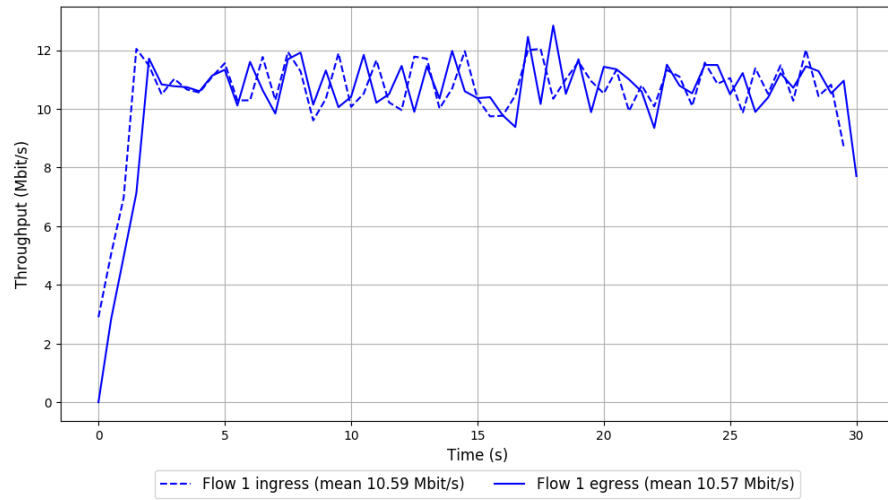


Run 10: Statistics of Sprout

Start at: 2018-08-09 20:45:37
End at: 2018-08-09 20:46:07
Local clock offset: -0.194 ms
Remote clock offset: -2.052 ms

Below is generated by plot.py at 2018-08-09 21:22:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 39.582 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 39.582 ms
Loss rate: 0.25%

Run 10: Report of Sprout — Data Link

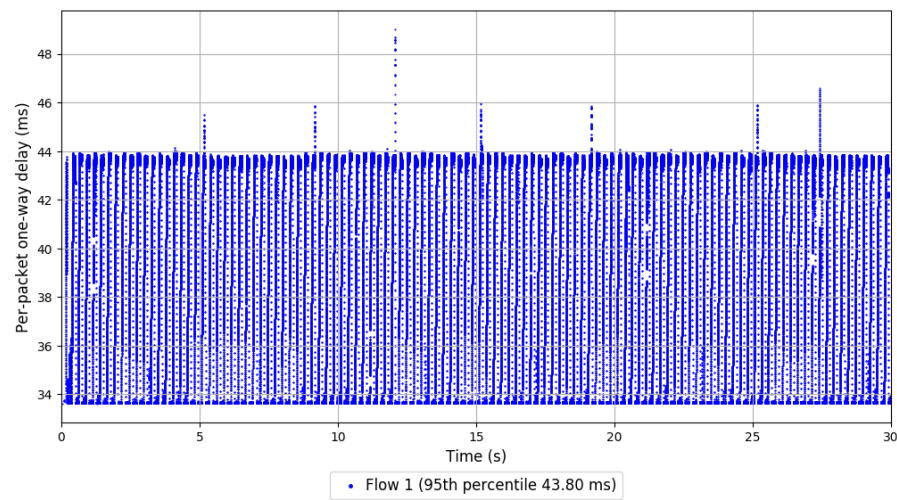
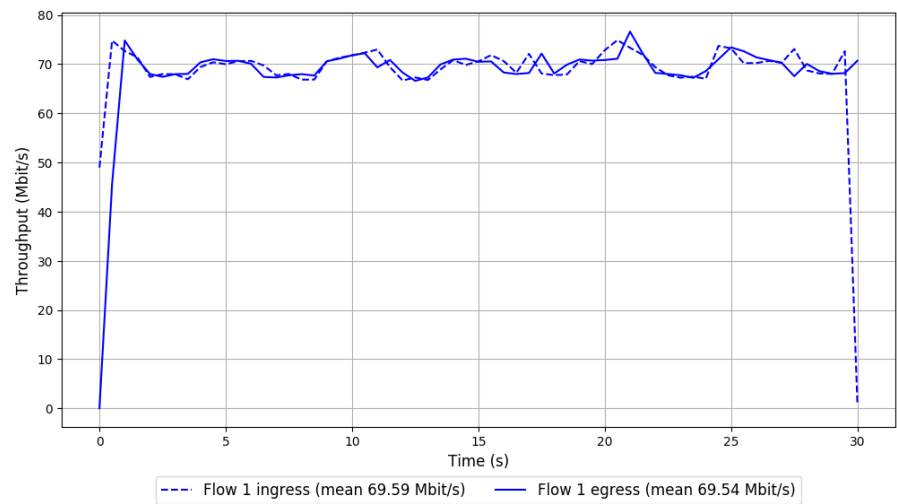


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 17:23:27
End at: 2018-08-09 17:23:57
Local clock offset: 0.294 ms
Remote clock offset: 0.39 ms

# Below is generated by plot.py at 2018-08-09 21:23:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 43.796 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 43.796 ms
Loss rate: 0.29%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 17:45:40

End at: 2018-08-09 17:46:10

Local clock offset: 0.461 ms

Remote clock offset: 1.553 ms

Below is generated by plot.py at 2018-08-09 21:23:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.05 Mbit/s

95th percentile per-packet one-way delay: 43.970 ms

Loss rate: 0.17%

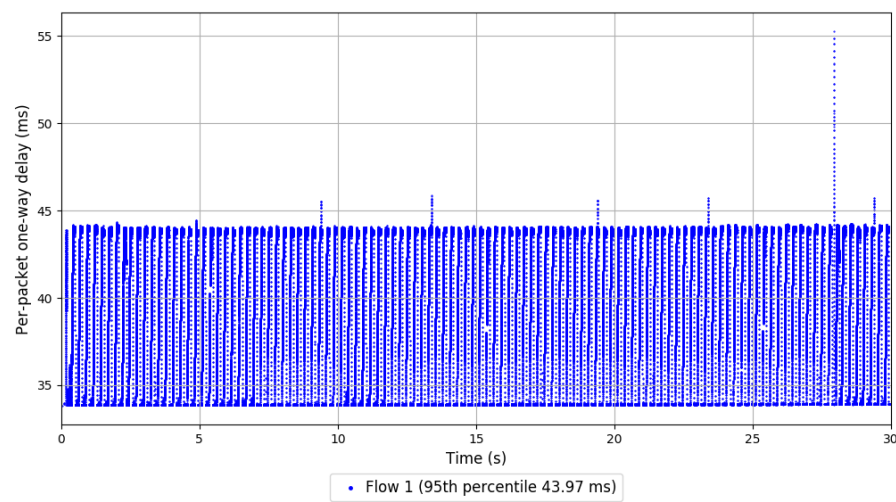
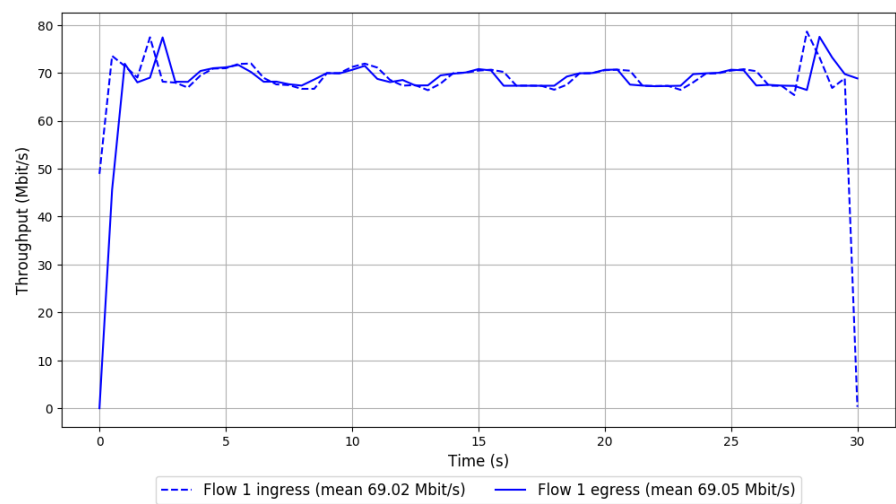
-- Flow 1:

Average throughput: 69.05 Mbit/s

95th percentile per-packet one-way delay: 43.970 ms

Loss rate: 0.17%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 18:07:56

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

Local clock offset: 0.212 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-08-09 21:23:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.10 Mbit/s

95th percentile per-packet one-way delay: 43.579 ms

Loss rate: 0.30%

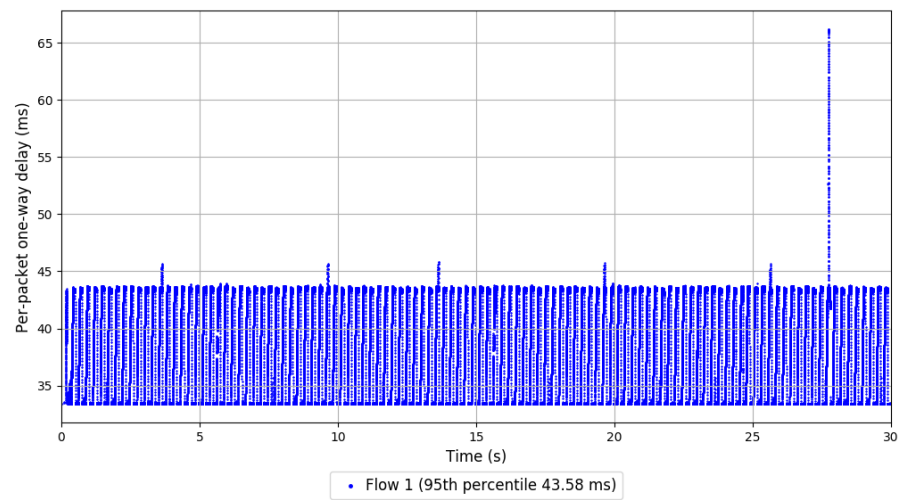
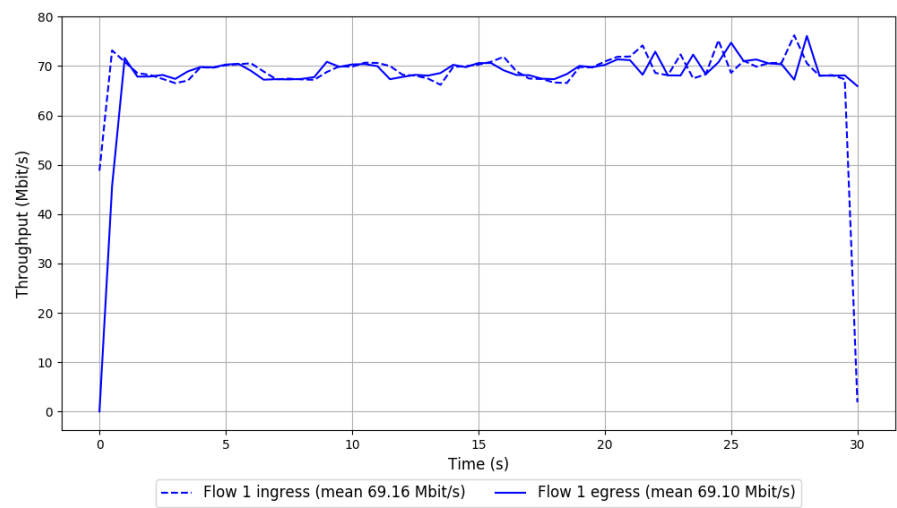
-- Flow 1:

Average throughput: 69.10 Mbit/s

95th percentile per-packet one-way delay: 43.579 ms

Loss rate: 0.30%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 18:30:12

End at: 2018-08-09 18:30:42

Local clock offset: 0.221 ms

Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-08-09 21:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.37 Mbit/s

95th percentile per-packet one-way delay: 43.751 ms

Loss rate: 0.27%

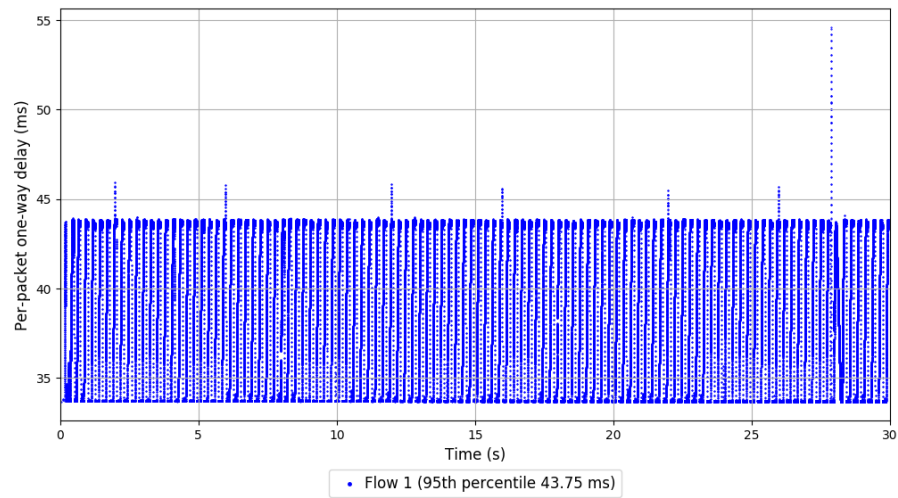
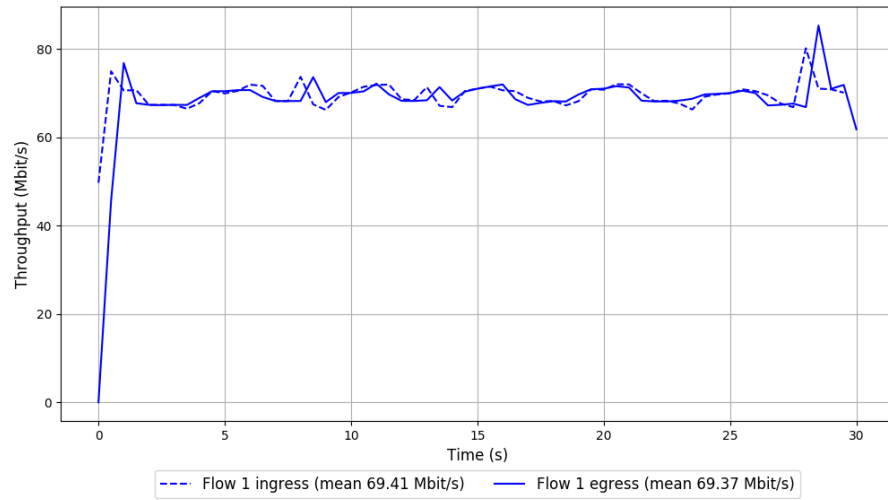
-- Flow 1:

Average throughput: 69.37 Mbit/s

95th percentile per-packet one-way delay: 43.751 ms

Loss rate: 0.27%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 18:52:25

End at: 2018-08-09 18:52:55

Local clock offset: 0.079 ms

Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-08-09 21:23:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 43.846 ms

Loss rate: 0.28%

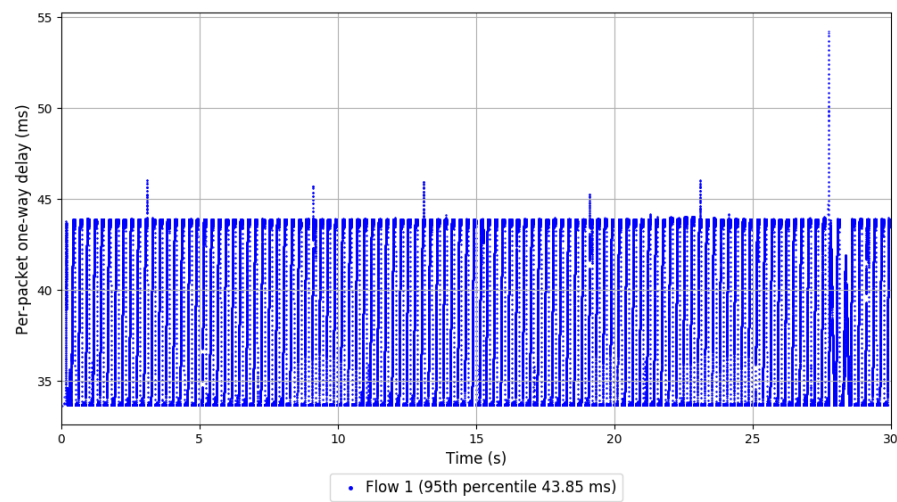
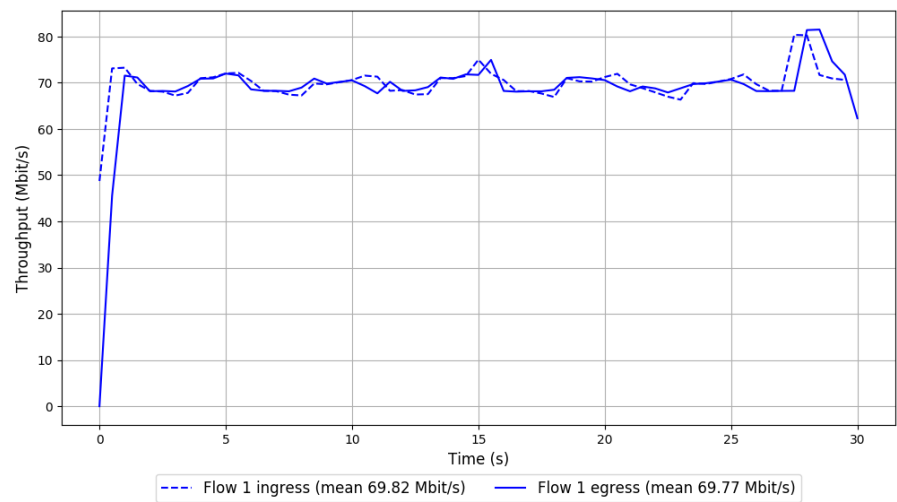
-- Flow 1:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 43.846 ms

Loss rate: 0.28%

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

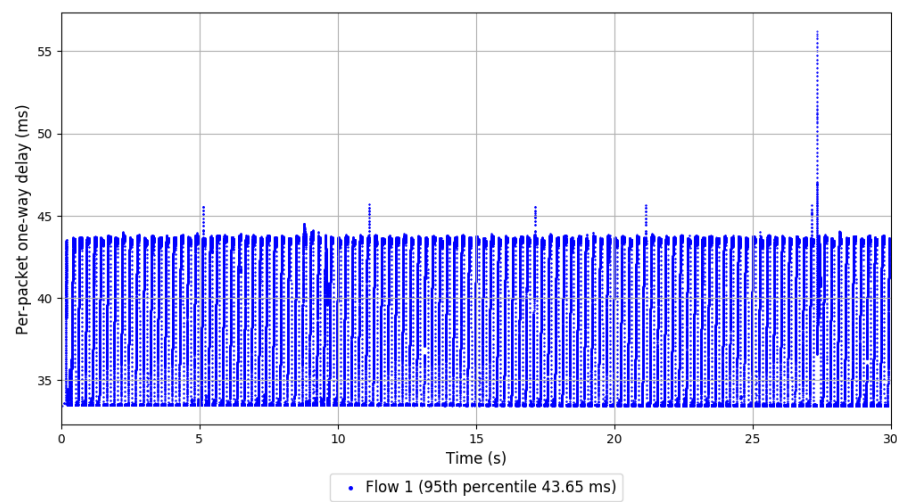
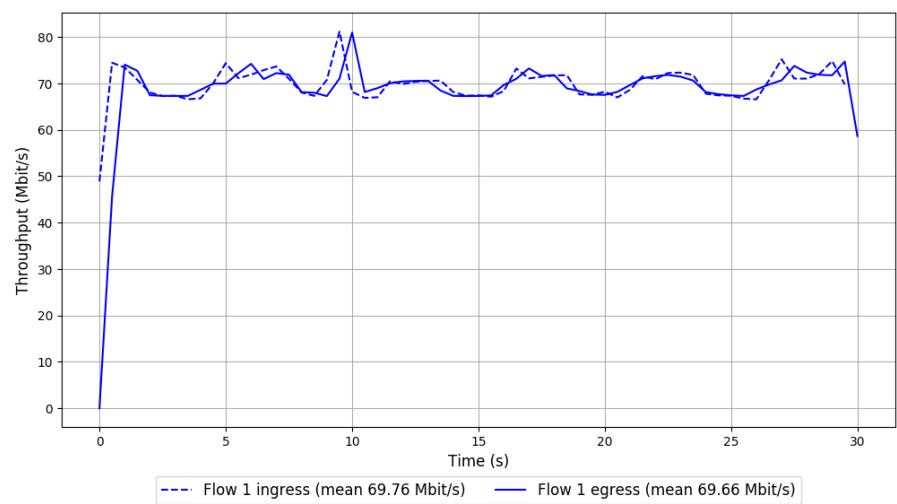


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 19:14:53
End at: 2018-08-09 19:15:23
Local clock offset: -0.237 ms
Remote clock offset: -1.757 ms

Below is generated by plot.py at 2018-08-09 21:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 43.653 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 43.653 ms
Loss rate: 0.36%

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

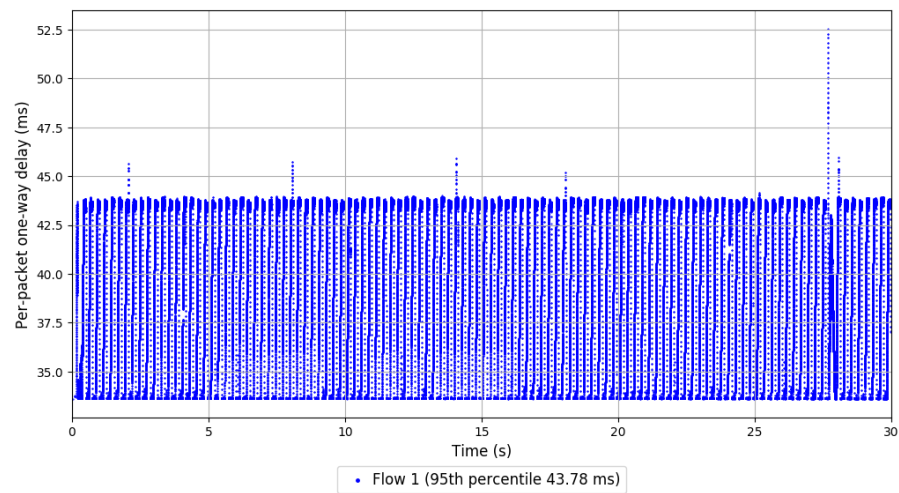
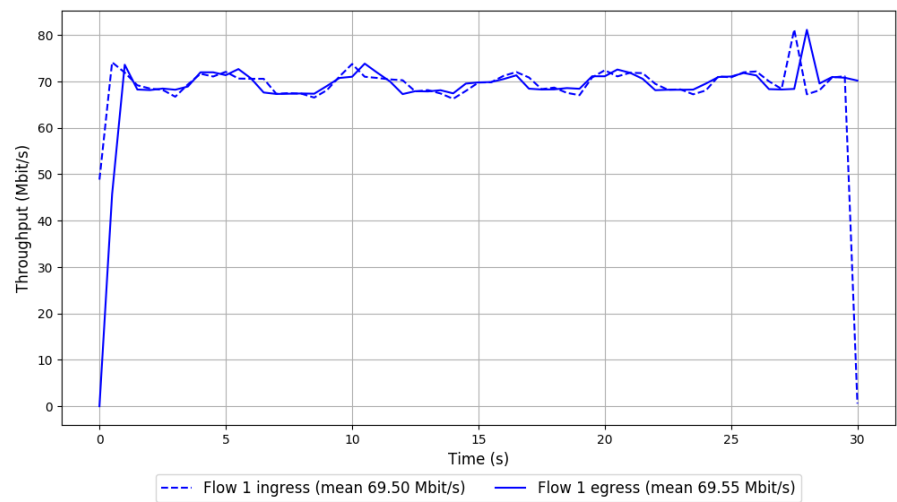


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 19:37:14
End at: 2018-08-09 19:37:44
Local clock offset: -0.592 ms
Remote clock offset: -3.0 ms

Below is generated by plot.py at 2018-08-09 21:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 43.777 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 43.777 ms
Loss rate: 0.14%

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

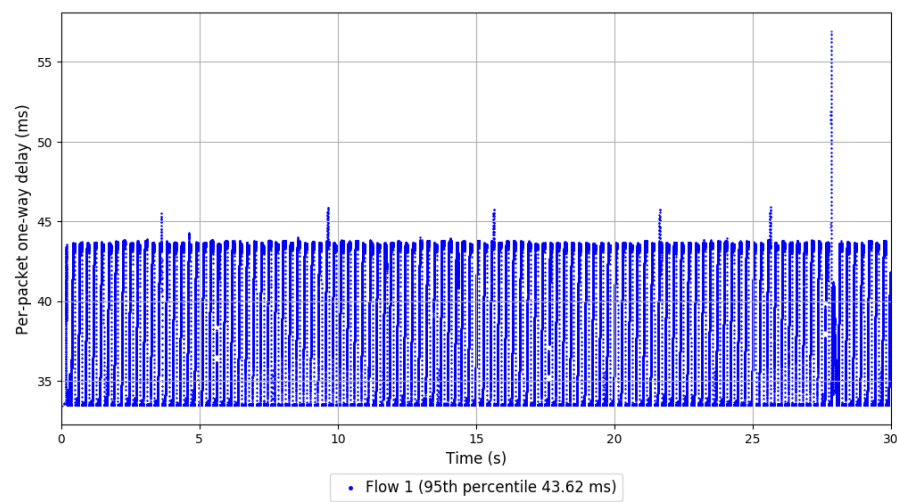
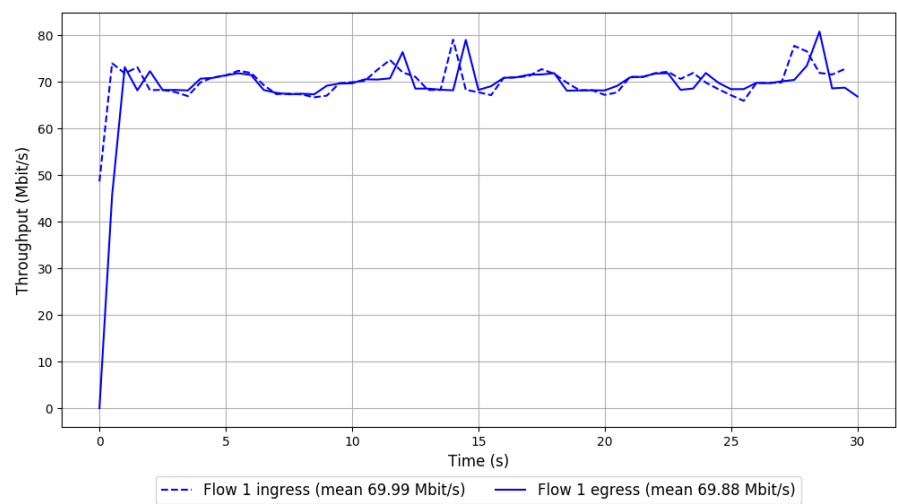


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 19:59:40
End at: 2018-08-09 20:00:10
Local clock offset: -0.661 ms
Remote clock offset: -1.684 ms

Below is generated by plot.py at 2018-08-09 21:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 43.624 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 43.624 ms
Loss rate: 0.36%

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



Run 9: Statistics of TaoVA-100x

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

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

Local clock offset: -0.5 ms

Remote clock offset: -1.96 ms

Below is generated by plot.py at 2018-08-09 21:25:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.14 Mbit/s

95th percentile per-packet one-way delay: 43.516 ms

Loss rate: 0.15%

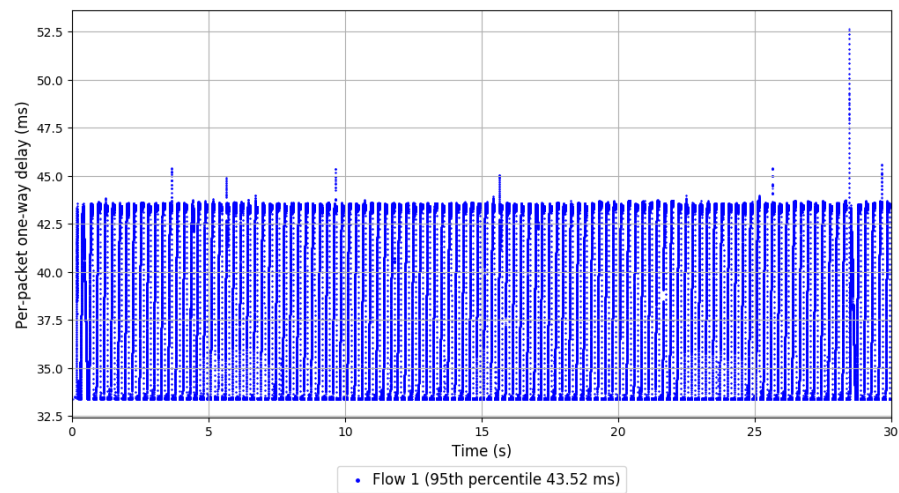
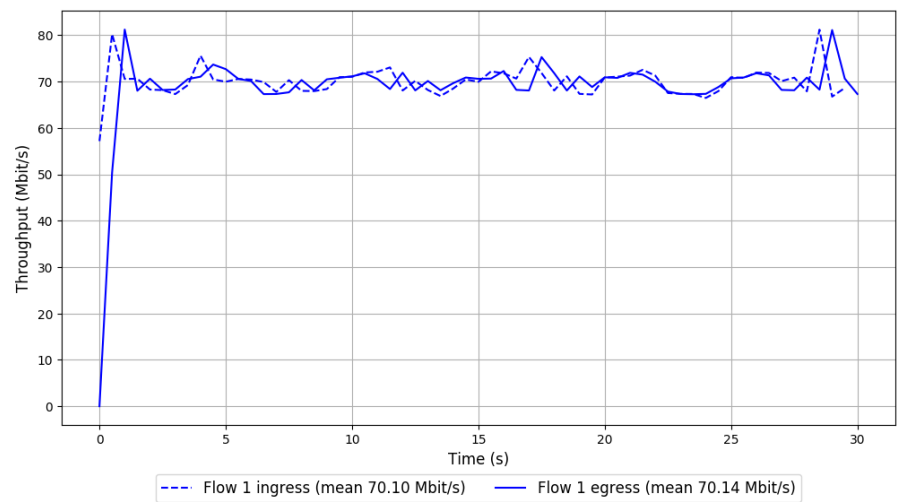
-- Flow 1:

Average throughput: 70.14 Mbit/s

95th percentile per-packet one-way delay: 43.516 ms

Loss rate: 0.15%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 20:44:17

End at: 2018-08-09 20:44:47

Local clock offset: -0.285 ms

Remote clock offset: -1.907 ms

Below is generated by plot.py at 2018-08-09 21:25:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.75 Mbit/s

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

Loss rate: 0.16%

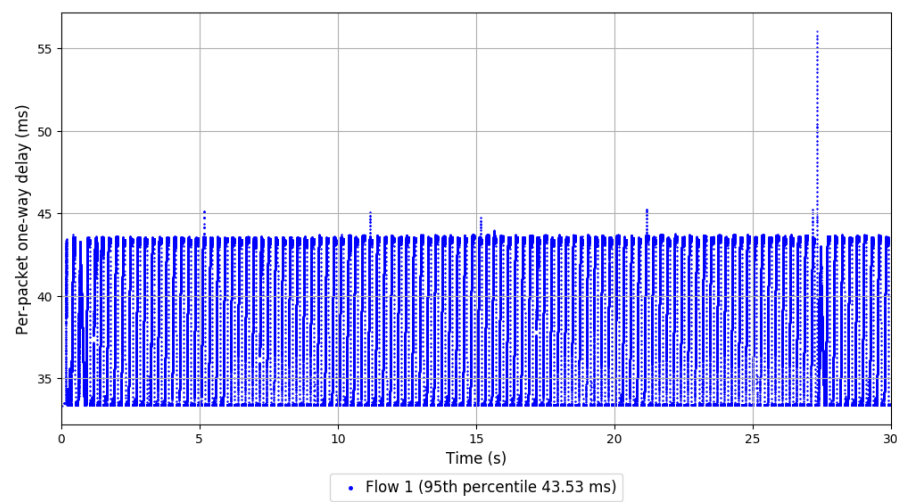
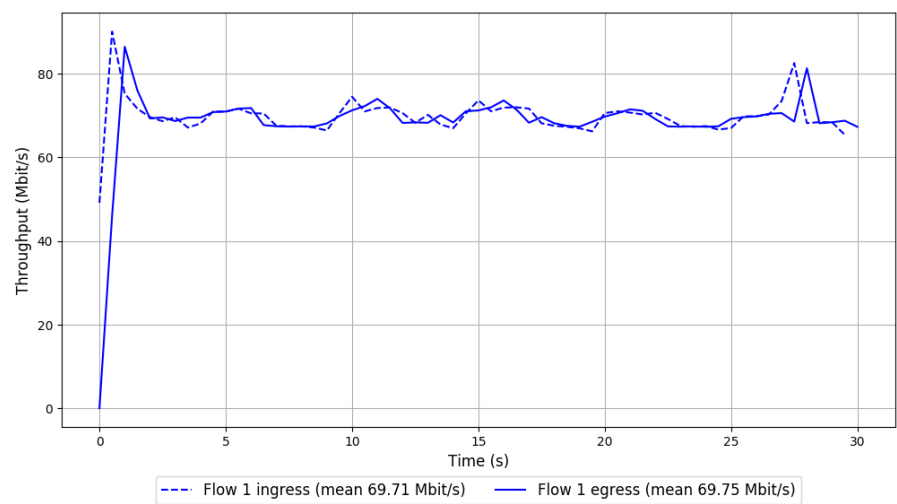
-- Flow 1:

Average throughput: 69.75 Mbit/s

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

Loss rate: 0.16%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 17:28:37

End at: 2018-08-09 17:29:07

Local clock offset: 0.34 ms

Remote clock offset: 0.649 ms

Below is generated by plot.py at 2018-08-09 21:25:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 35.355 ms

Loss rate: 0.25%

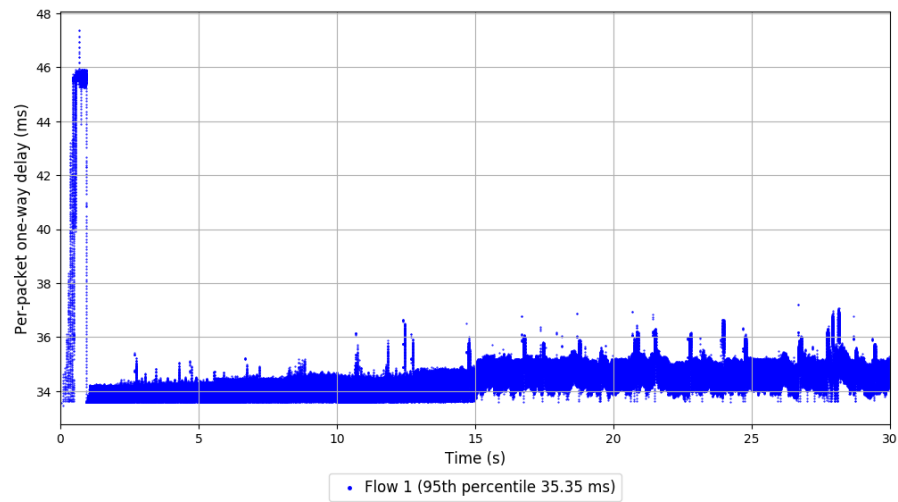
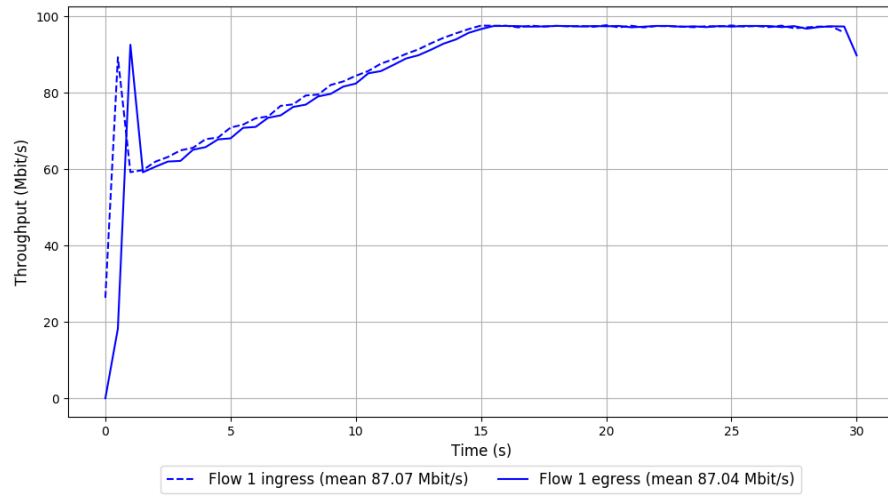
-- Flow 1:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 35.355 ms

Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

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

End at: 2018-08-09 17:51:20

Local clock offset: 0.373 ms

Remote clock offset: 2.138 ms

Below is generated by plot.py at 2018-08-09 21:25:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 35.091 ms

Loss rate: 0.25%

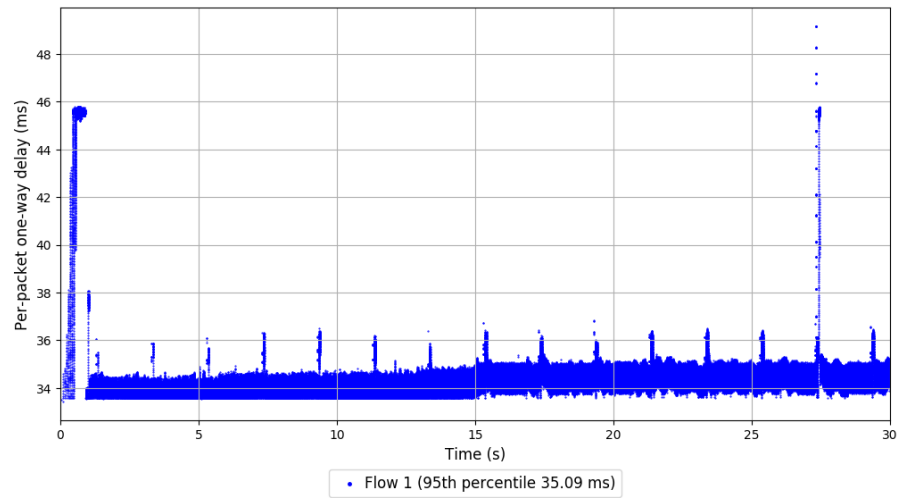
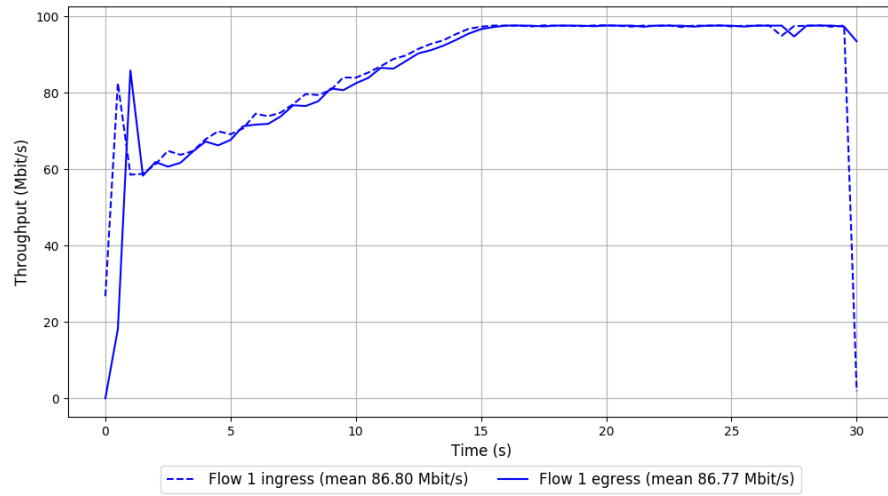
-- Flow 1:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 35.091 ms

Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link

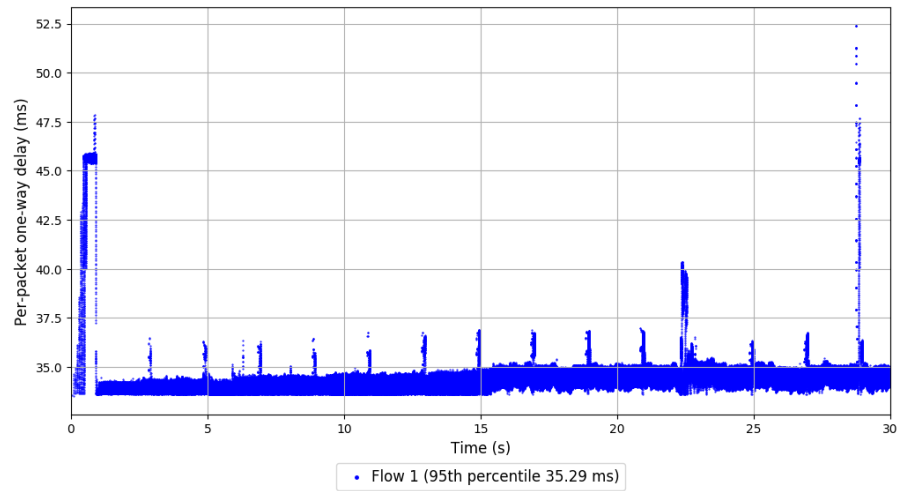
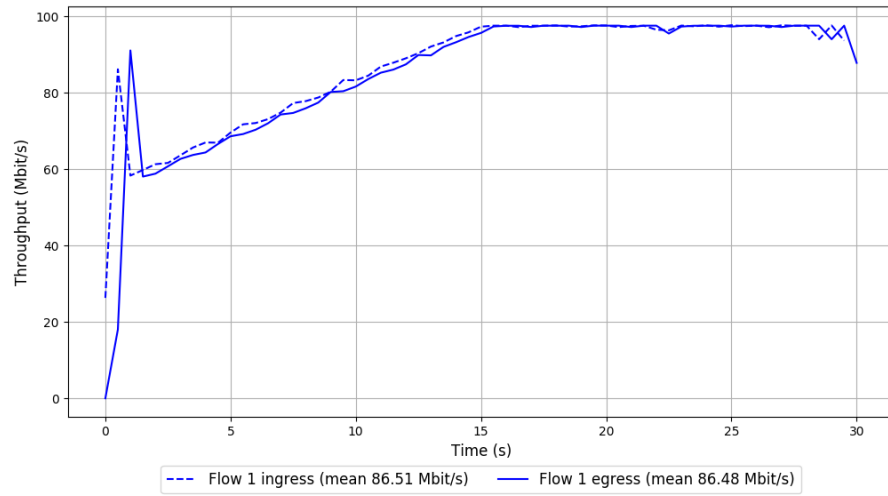


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 18:13:07
End at: 2018-08-09 18:13:37
Local clock offset: 0.306 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-09 21:25:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 35.293 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 35.293 ms
Loss rate: 0.25%

Run 3: Report of TCP Vegas — Data Link

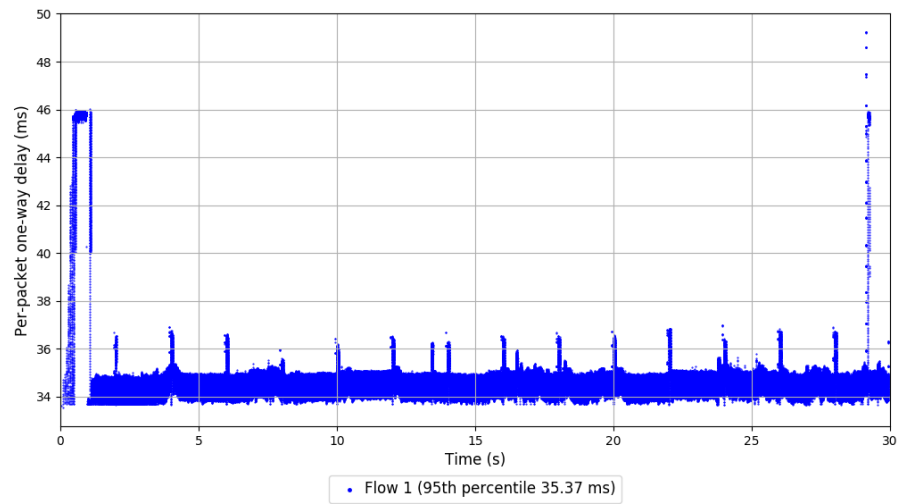
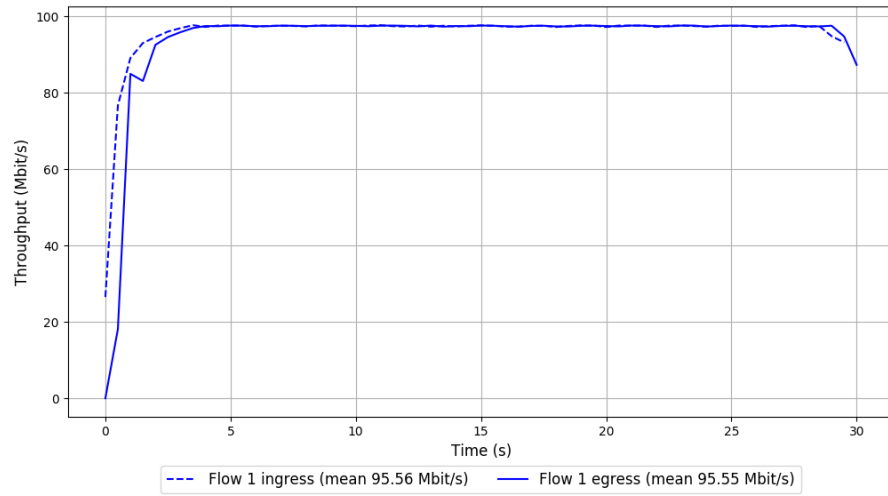


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 18:35:22
End at: 2018-08-09 18:35:52
Local clock offset: 0.218 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-08-09 21:25:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 35.371 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 35.371 ms
Loss rate: 0.22%

Run 4: Report of TCP Vegas — Data Link

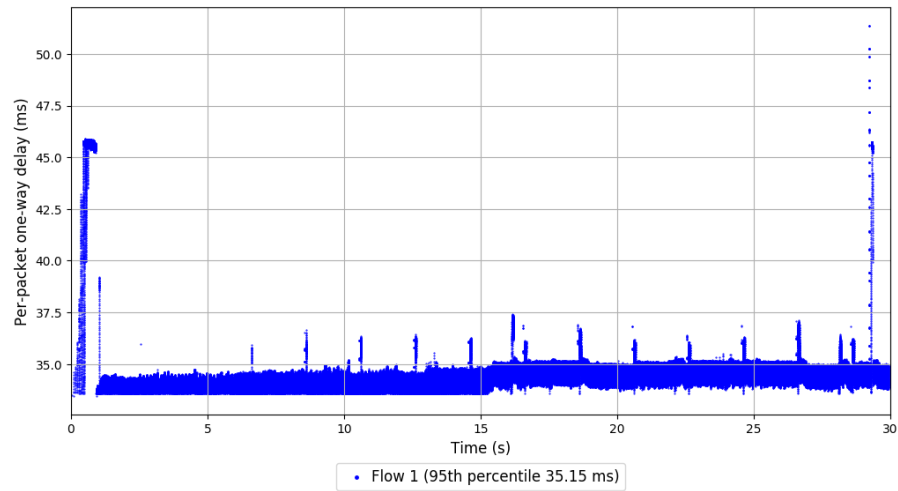
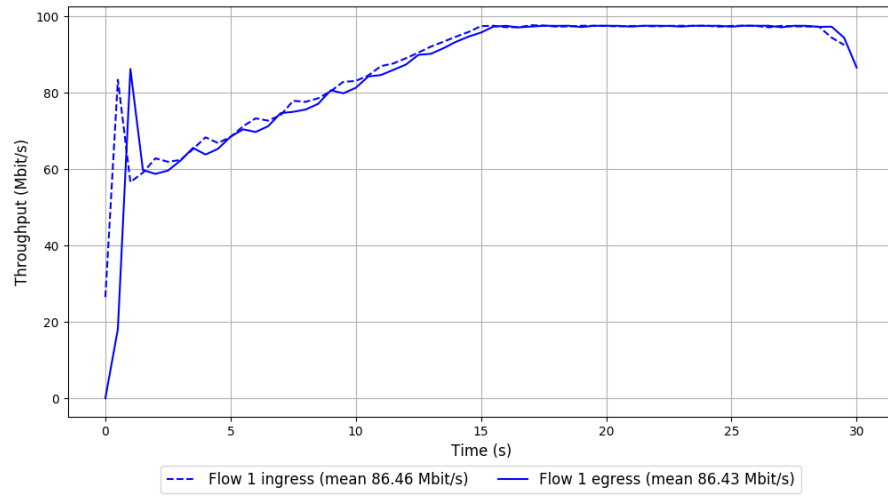


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 18:57:35
End at: 2018-08-09 18:58:05
Local clock offset: -0.037 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-09 21:25:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 35.145 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 35.145 ms
Loss rate: 0.25%

Run 5: Report of TCP Vegas — Data Link

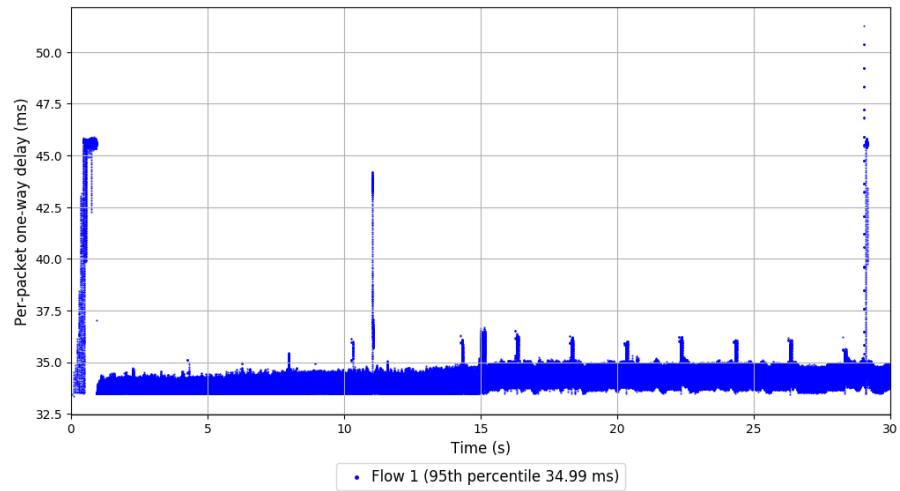
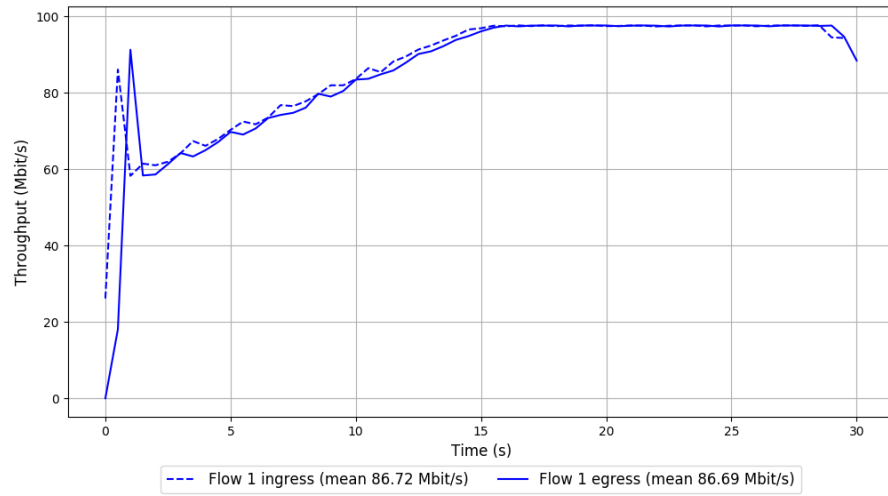


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 19:20:03
End at: 2018-08-09 19:20:33
Local clock offset: -0.419 ms
Remote clock offset: -2.184 ms

Below is generated by plot.py at 2018-08-09 21:25:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 34.990 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 34.990 ms
Loss rate: 0.24%

Run 6: Report of TCP Vegas — Data Link

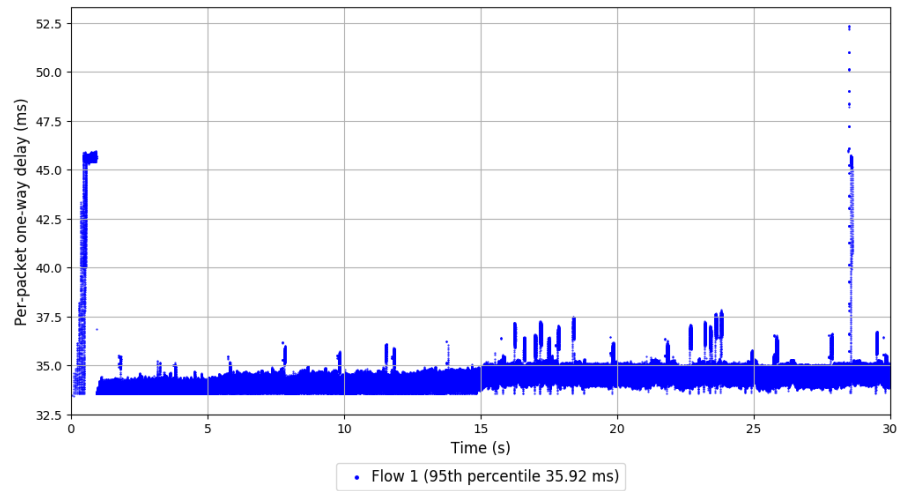
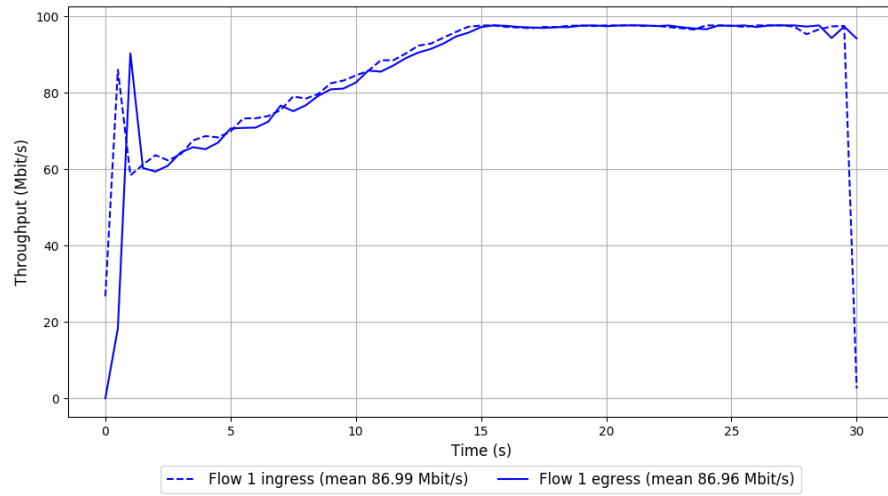


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 19:42:26
End at: 2018-08-09 19:42:56
Local clock offset: -0.637 ms
Remote clock offset: -2.539 ms

Below is generated by plot.py at 2018-08-09 21:25:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 35.923 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.96 Mbit/s
95th percentile per-packet one-way delay: 35.923 ms
Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link

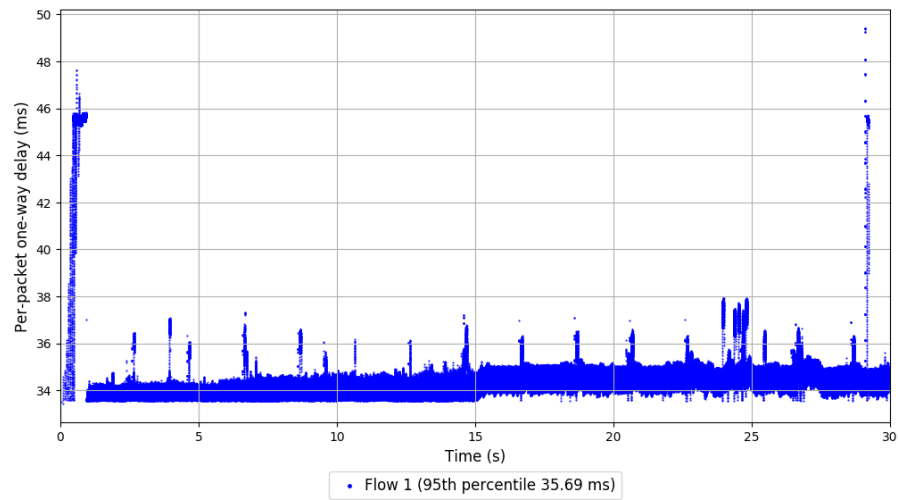
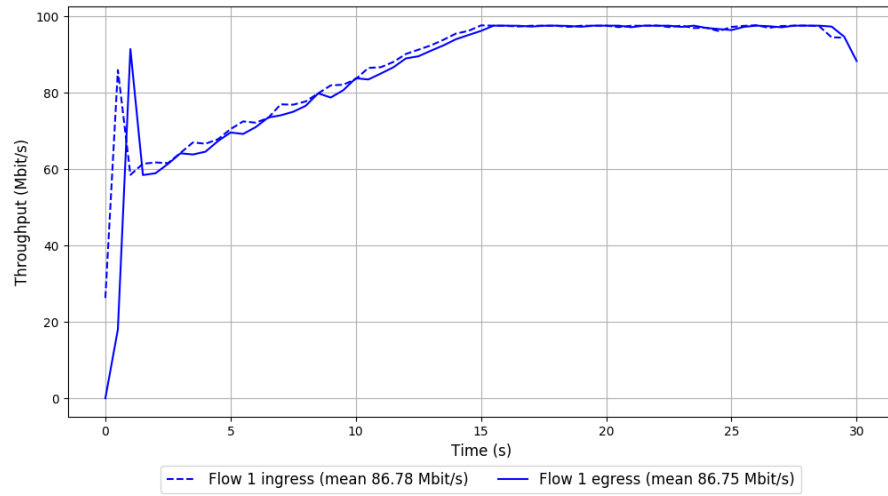


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 20:04:51
End at: 2018-08-09 20:05:21
Local clock offset: -0.55 ms
Remote clock offset: -1.567 ms

Below is generated by plot.py at 2018-08-09 21:25:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 35.694 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 35.694 ms
Loss rate: 0.25%

Run 8: Report of TCP Vegas — Data Link

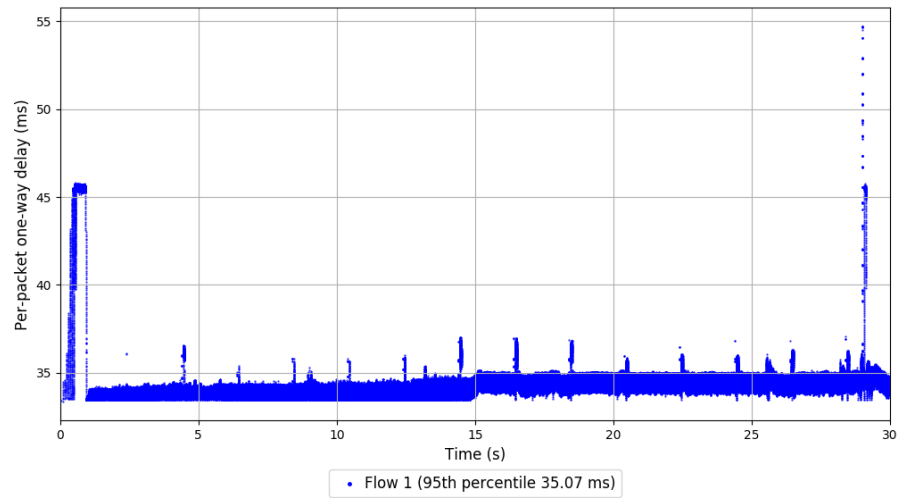
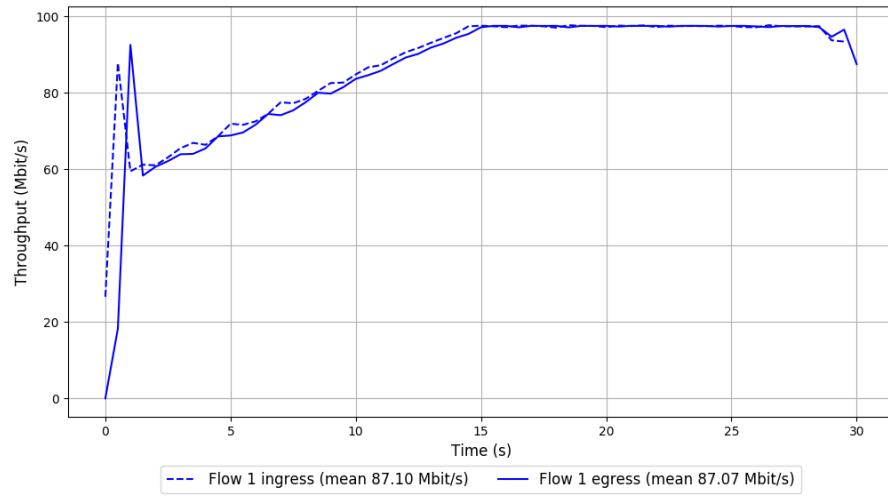


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 20:27:09
End at: 2018-08-09 20:27:39
Local clock offset: -0.336 ms
Remote clock offset: -2.021 ms

Below is generated by plot.py at 2018-08-09 21:25:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 35.068 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 35.068 ms
Loss rate: 0.25%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 20:49:28

End at: 2018-08-09 20:49:58

Local clock offset: -0.319 ms

Remote clock offset: -2.197 ms

Below is generated by plot.py at 2018-08-09 21:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 35.285 ms

Loss rate: 0.25%

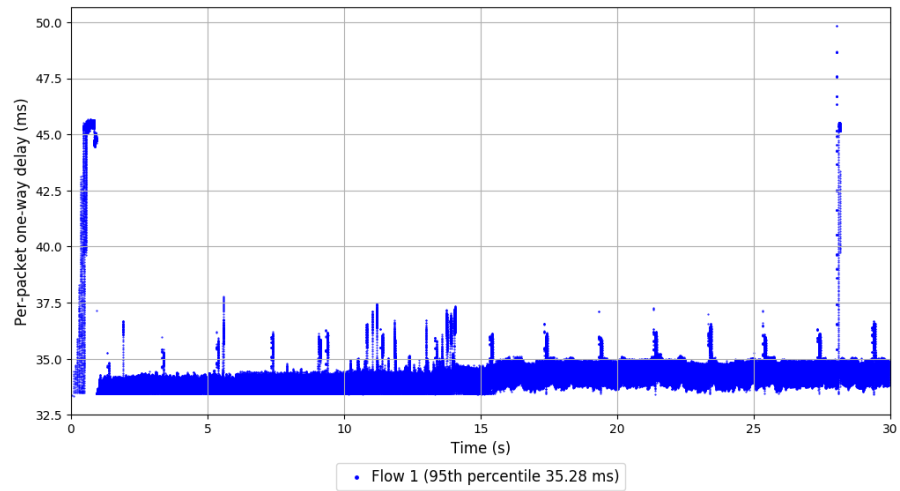
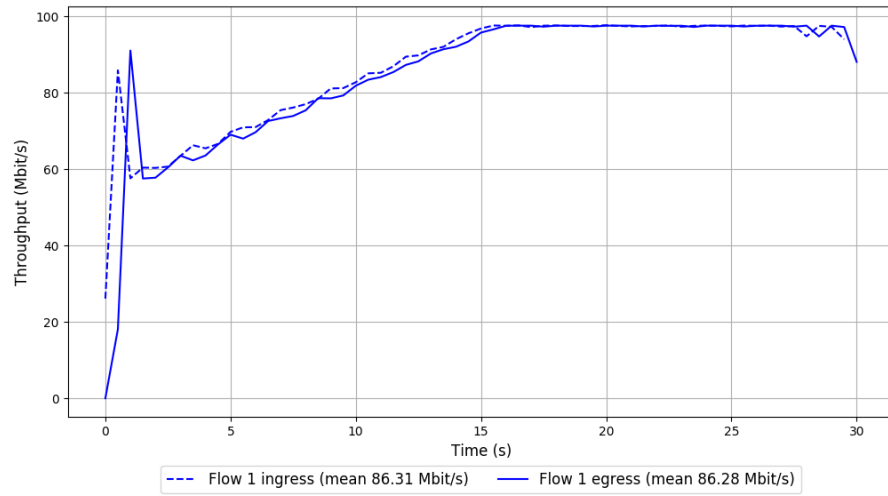
-- Flow 1:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 35.285 ms

Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-09 17:37:45

End at: 2018-08-09 17:38:15

Local clock offset: 0.407 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-08-09 21:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 45.569 ms

Loss rate: 0.48%

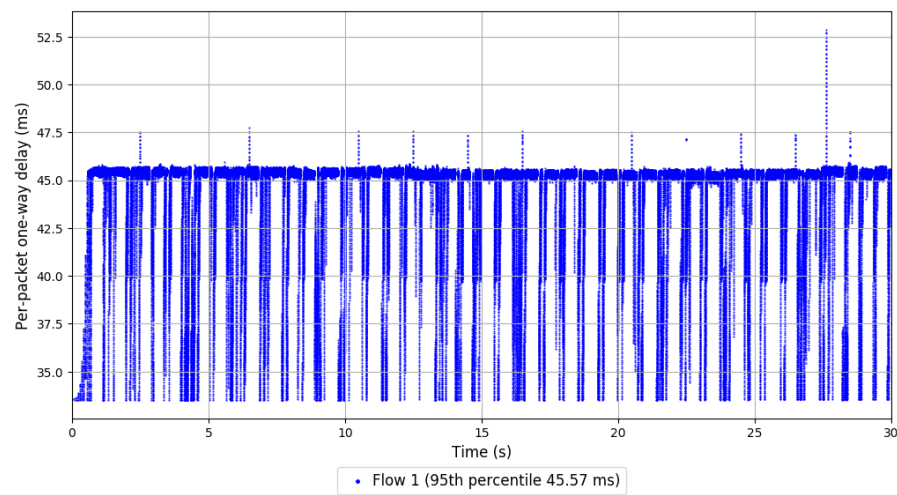
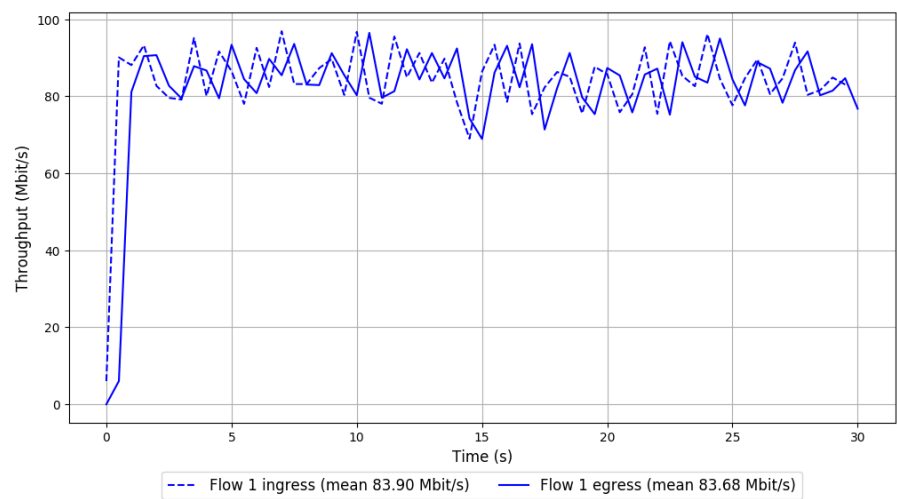
-- Flow 1:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 45.569 ms

Loss rate: 0.48%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

End at: 2018-08-09 18:00:29

Local clock offset: 0.222 ms

Remote clock offset: 1.169 ms

Below is generated by plot.py at 2018-08-09 21:25:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 45.463 ms

Loss rate: 0.38%

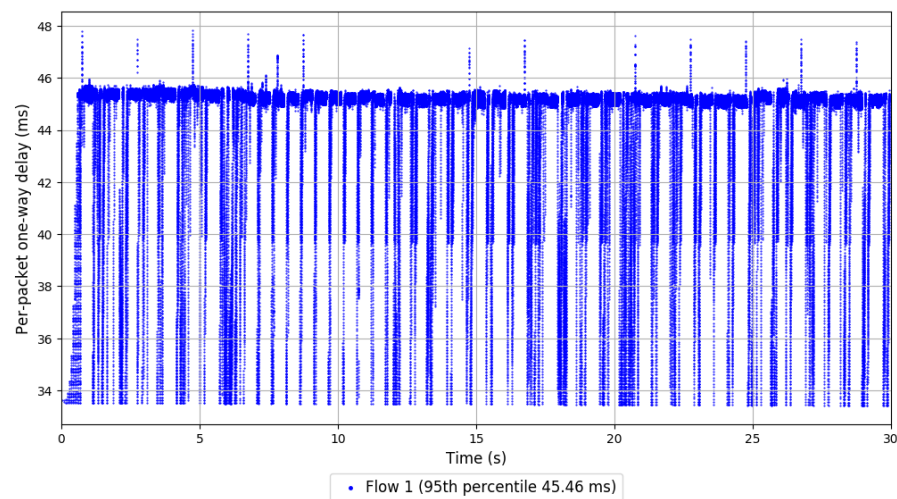
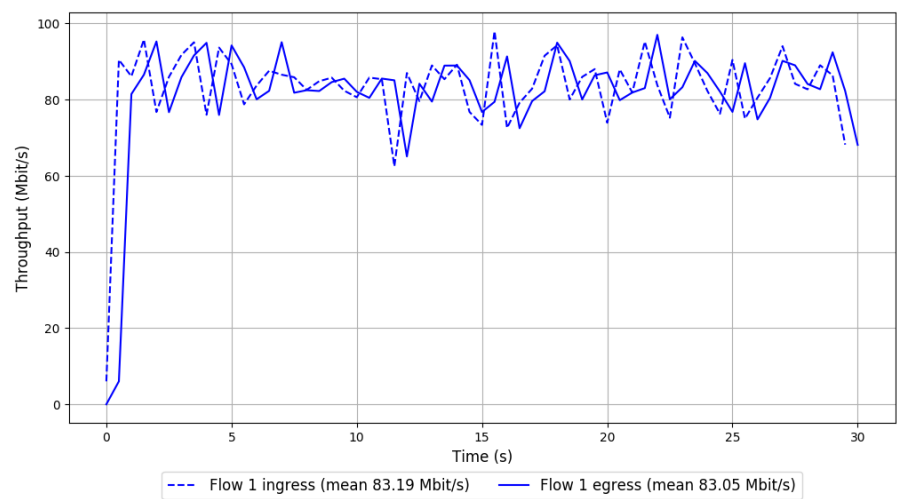
-- Flow 1:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 45.463 ms

Loss rate: 0.38%

Run 2: Report of Verus — Data Link

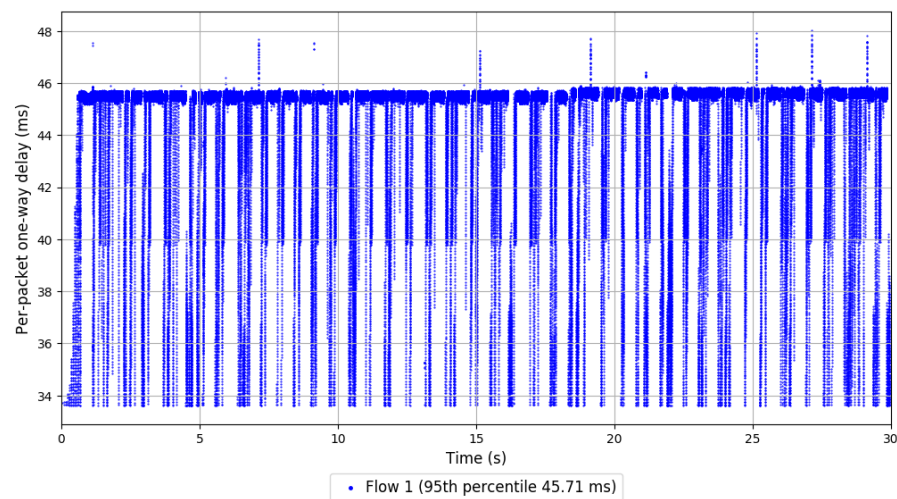
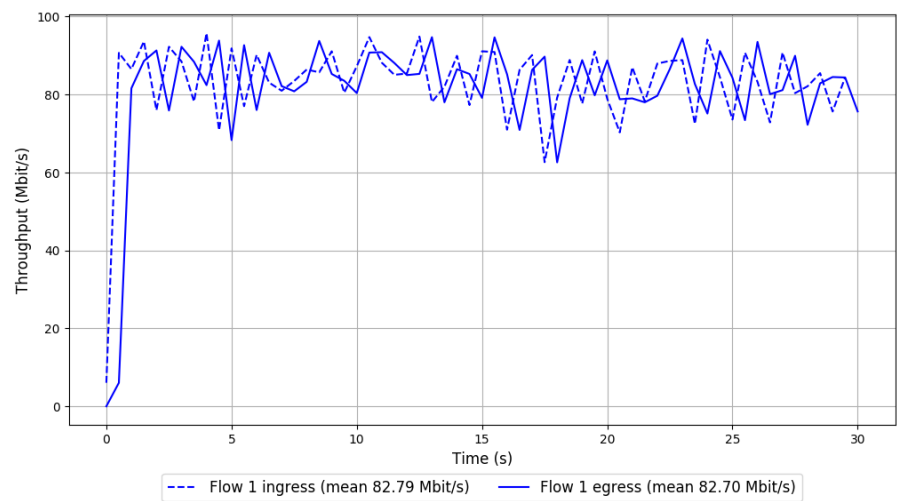


Run 3: Statistics of Verus

Start at: 2018-08-09 18:22:17
End at: 2018-08-09 18:22:47
Local clock offset: 0.207 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-08-09 21:26:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 45.707 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 45.707 ms
Loss rate: 0.33%

Run 3: Report of Verus — Data Link

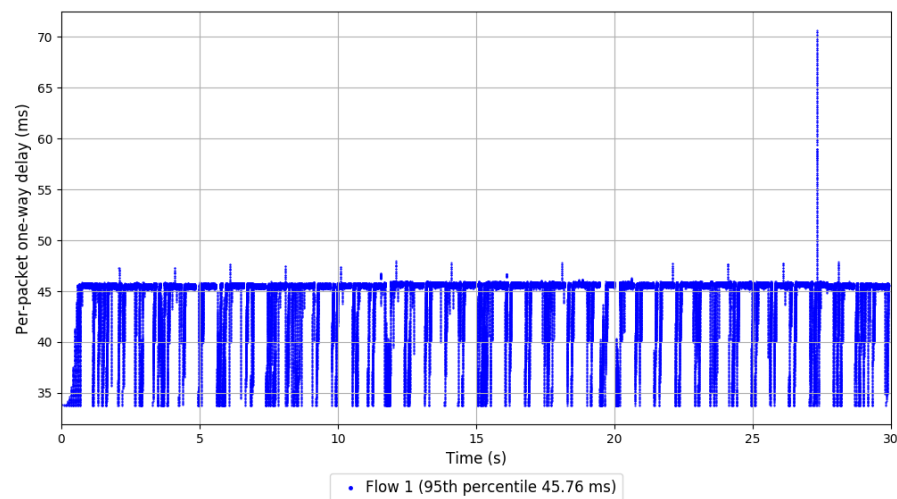
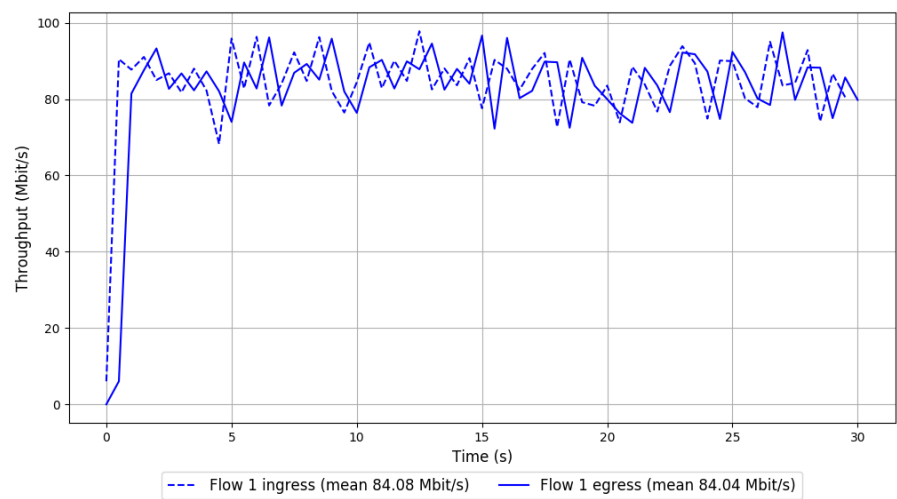


Run 4: Statistics of Verus

Start at: 2018-08-09 18:44:30
End at: 2018-08-09 18:45:00
Local clock offset: 0.245 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-08-09 21:26:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 45.760 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 45.760 ms
Loss rate: 0.39%

Run 4: Report of Verus — Data Link

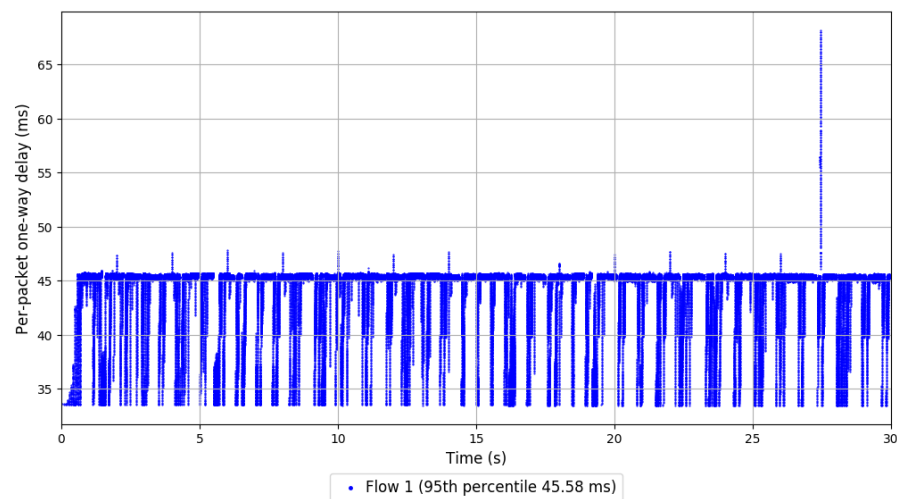
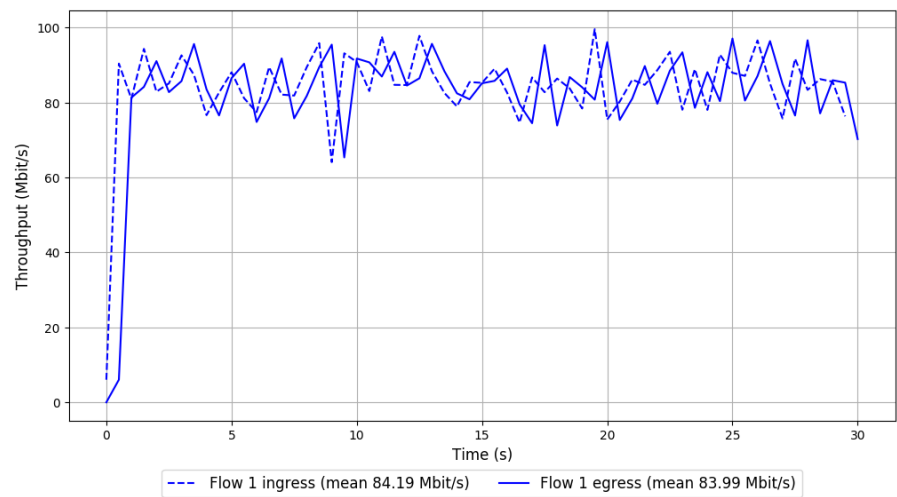


Run 5: Statistics of Verus

Start at: 2018-08-09 19:06:52
End at: 2018-08-09 19:07:22
Local clock offset: -0.125 ms
Remote clock offset: -0.745 ms

Below is generated by plot.py at 2018-08-09 21:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 45.580 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 45.580 ms
Loss rate: 0.46%

Run 5: Report of Verus — Data Link

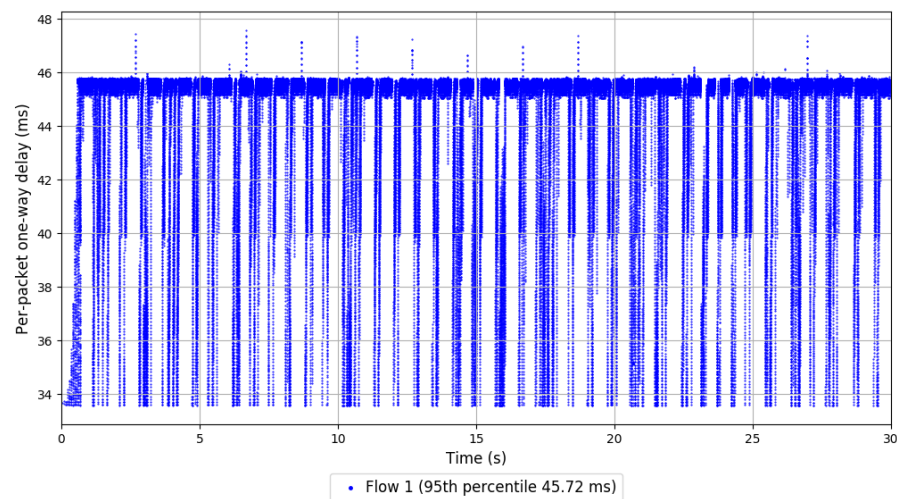
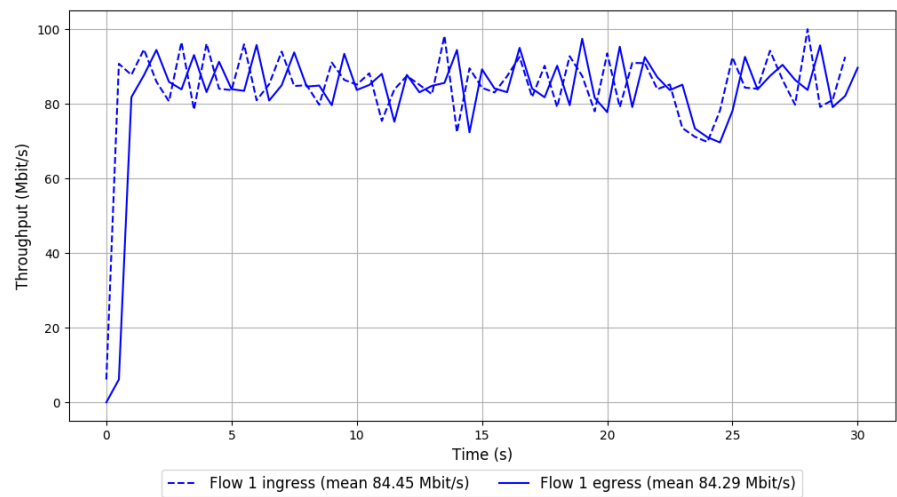


Run 6: Statistics of Verus

Start at: 2018-08-09 19:29:15
End at: 2018-08-09 19:29:45
Local clock offset: -0.505 ms
Remote clock offset: -2.771 ms

Below is generated by plot.py at 2018-08-09 21:26:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 45.715 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 45.715 ms
Loss rate: 0.39%

Run 6: Report of Verus — Data Link

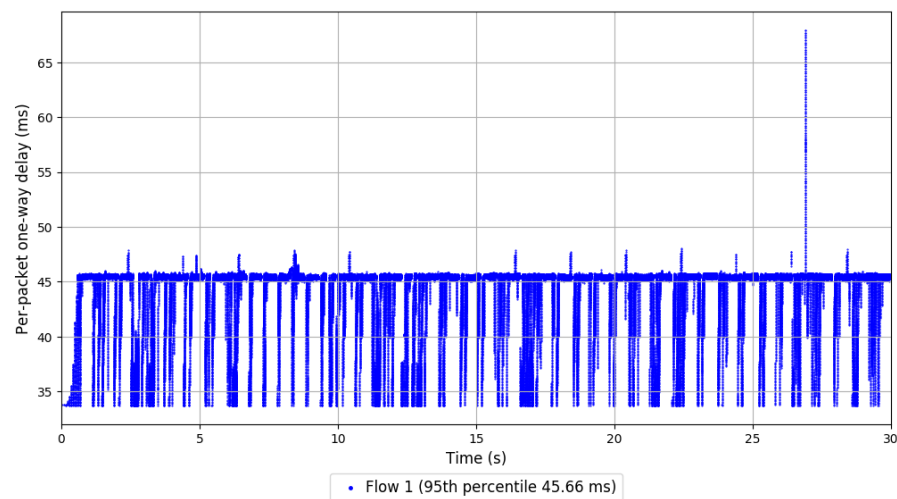
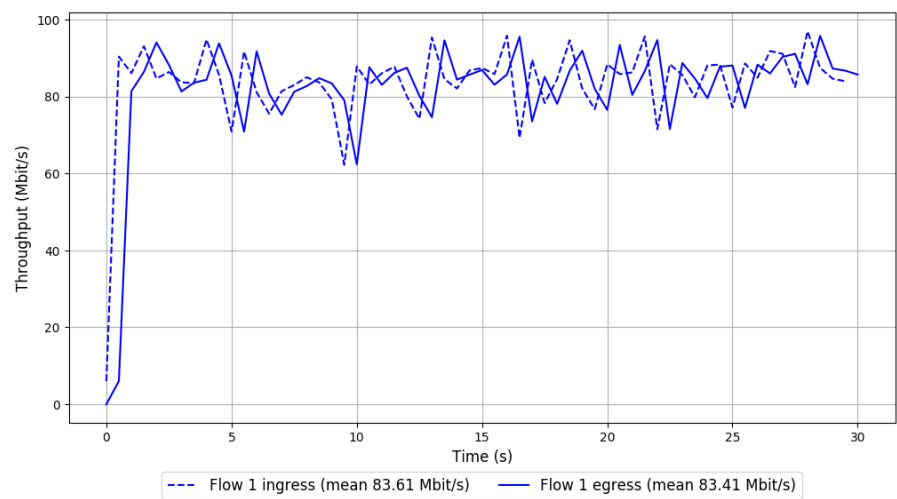


Run 7: Statistics of Verus

Start at: 2018-08-09 19:51:43
End at: 2018-08-09 19:52:13
Local clock offset: -0.691 ms
Remote clock offset: -2.199 ms

Below is generated by plot.py at 2018-08-09 21:26:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.41 Mbit/s
95th percentile per-packet one-way delay: 45.657 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 83.41 Mbit/s
95th percentile per-packet one-way delay: 45.657 ms
Loss rate: 0.28%

Run 7: Report of Verus — Data Link

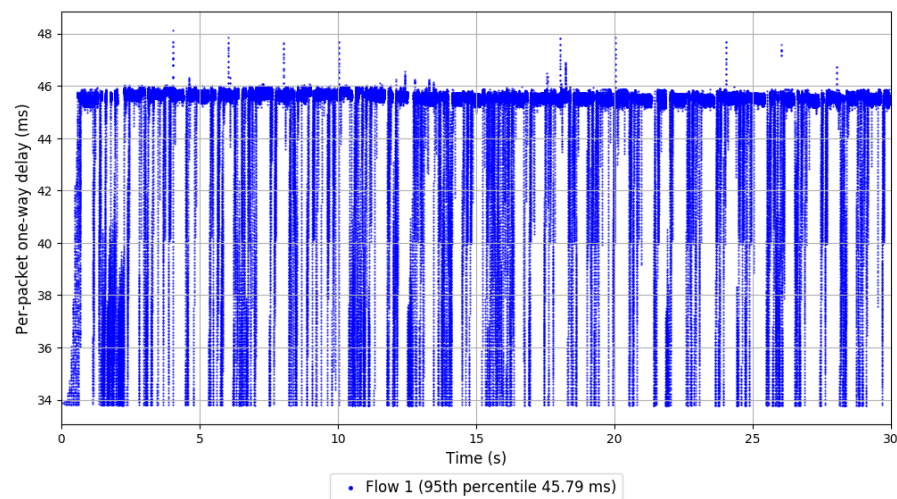
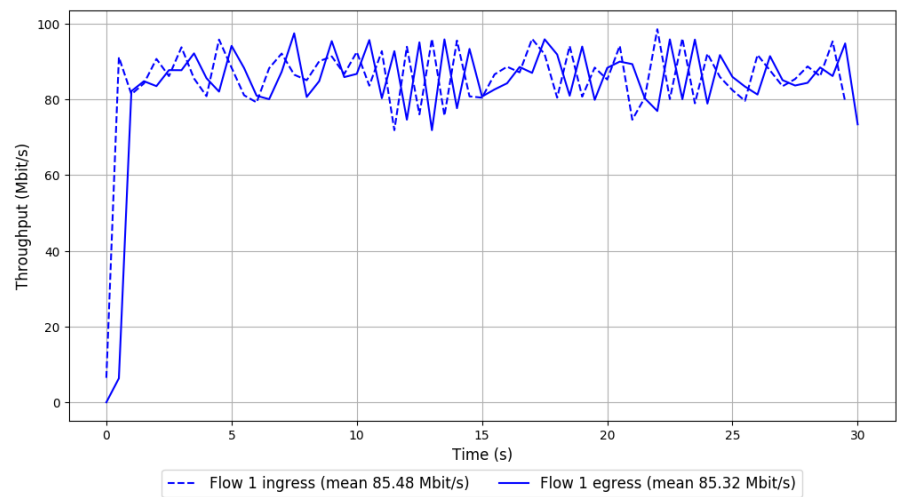


Run 8: Statistics of Verus

Start at: 2018-08-09 20:14:02
End at: 2018-08-09 20:14:32
Local clock offset: -0.56 ms
Remote clock offset: -1.974 ms

Below is generated by plot.py at 2018-08-09 21:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 45.791 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 45.791 ms
Loss rate: 0.43%

Run 8: Report of Verus — Data Link

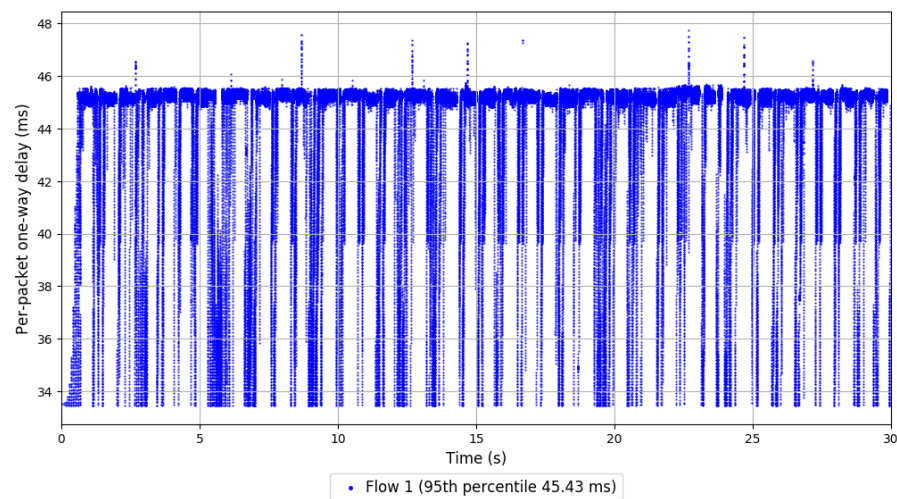
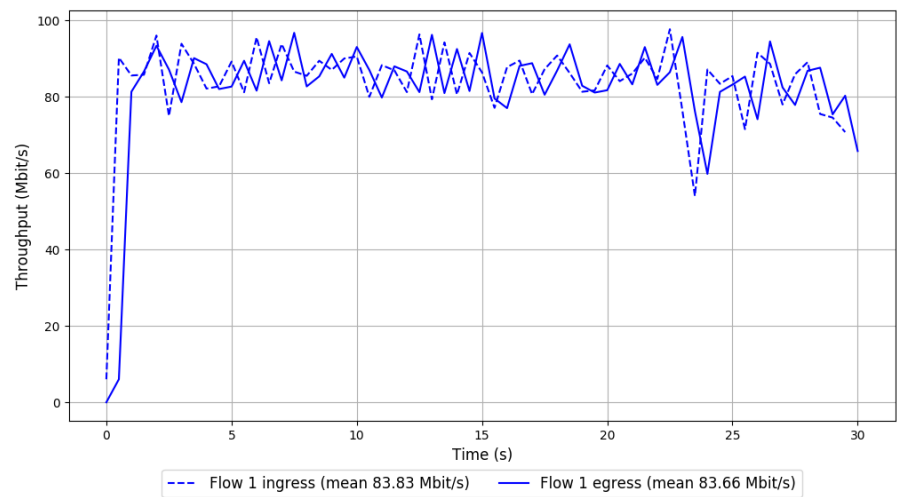


Run 9: Statistics of Verus

Start at: 2018-08-09 20:36:19
End at: 2018-08-09 20:36:49
Local clock offset: -0.34 ms
Remote clock offset: -1.972 ms

Below is generated by plot.py at 2018-08-09 21:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 45.433 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 45.433 ms
Loss rate: 0.32%

Run 9: Report of Verus — Data Link

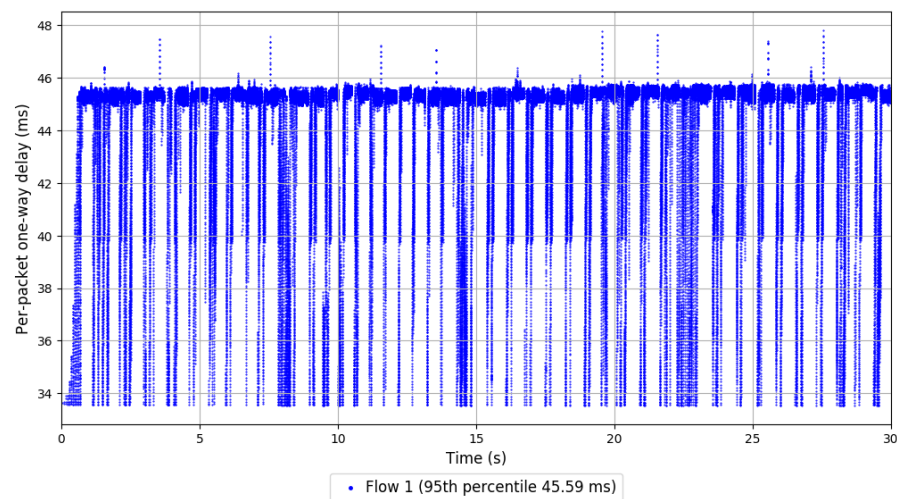
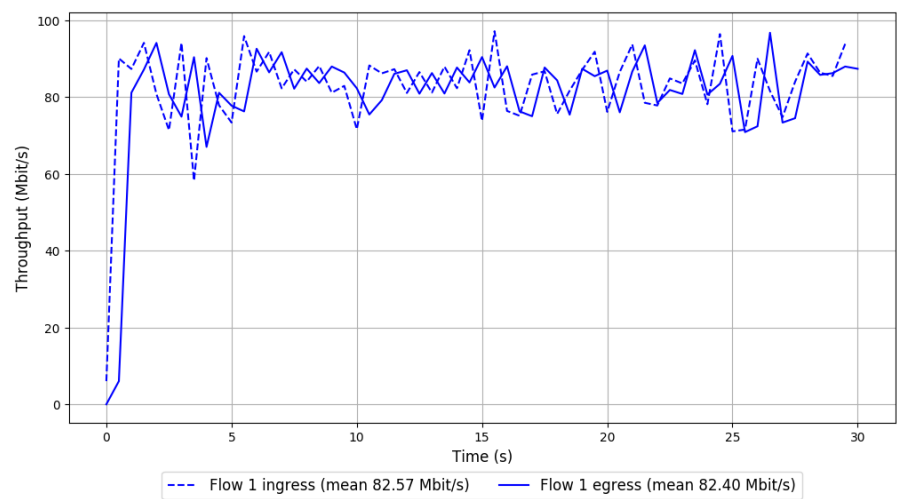


Run 10: Statistics of Verus

Start at: 2018-08-09 20:58:38
End at: 2018-08-09 20:59:08
Local clock offset: -0.429 ms
Remote clock offset: -2.807 ms

Below is generated by plot.py at 2018-08-09 21:26:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 0.44%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 17:26:02

End at: 2018-08-09 17:26:32

Local clock offset: 0.221 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-08-09 21:27:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 35.018 ms

Loss rate: 0.23%

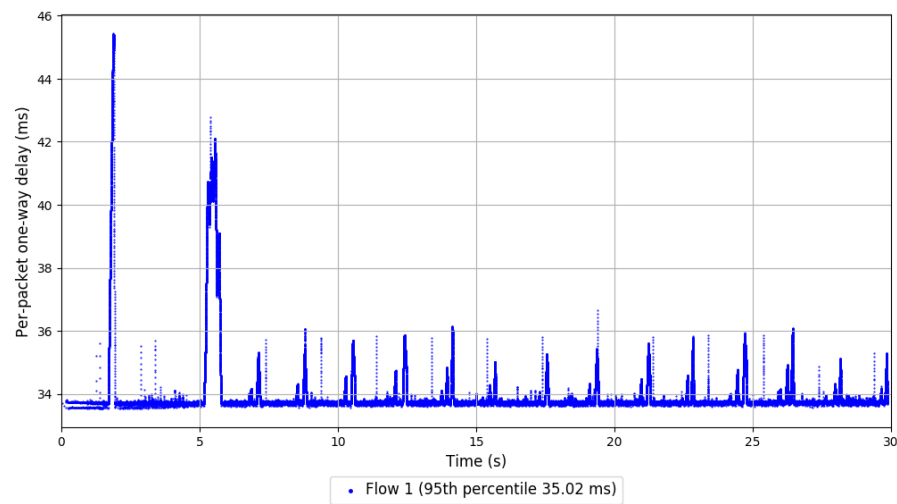
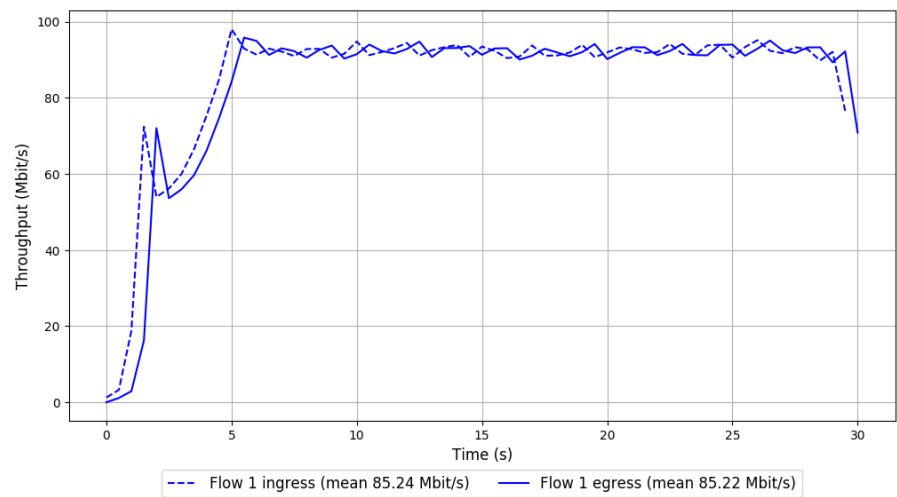
-- Flow 1:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 35.018 ms

Loss rate: 0.23%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 17:48:16

End at: 2018-08-09 17:48:46

Local clock offset: 0.401 ms

Remote clock offset: 1.913 ms

Below is generated by plot.py at 2018-08-09 21:27:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 35.001 ms

Loss rate: 0.24%

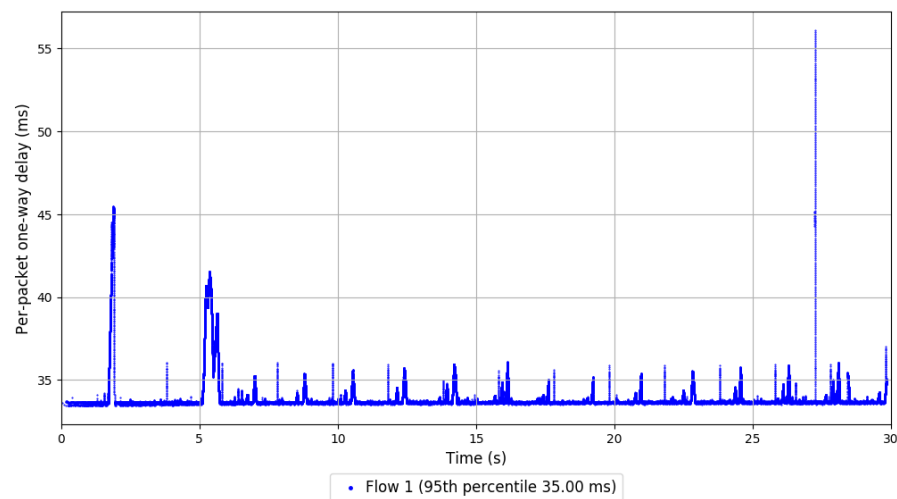
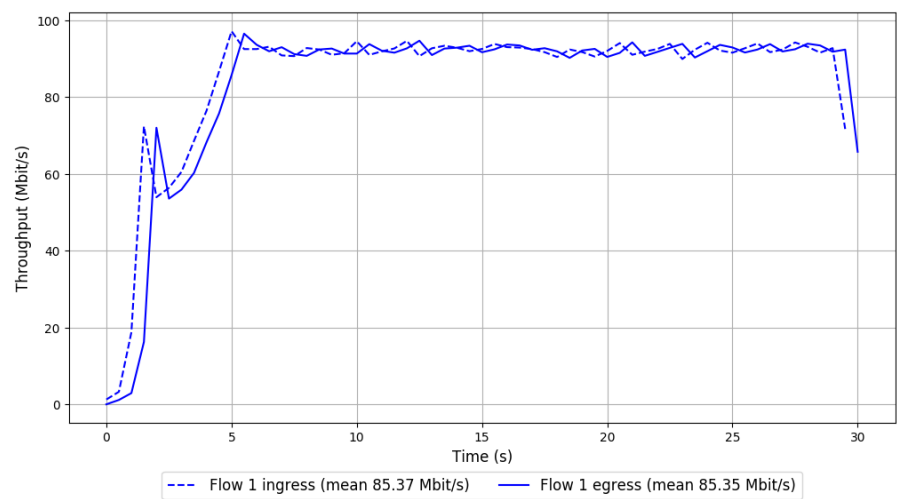
-- Flow 1:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 35.001 ms

Loss rate: 0.24%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 18:10:32

End at: 2018-08-09 18:11:02

Local clock offset: 0.322 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-08-09 21:27:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 34.916 ms

Loss rate: 0.23%

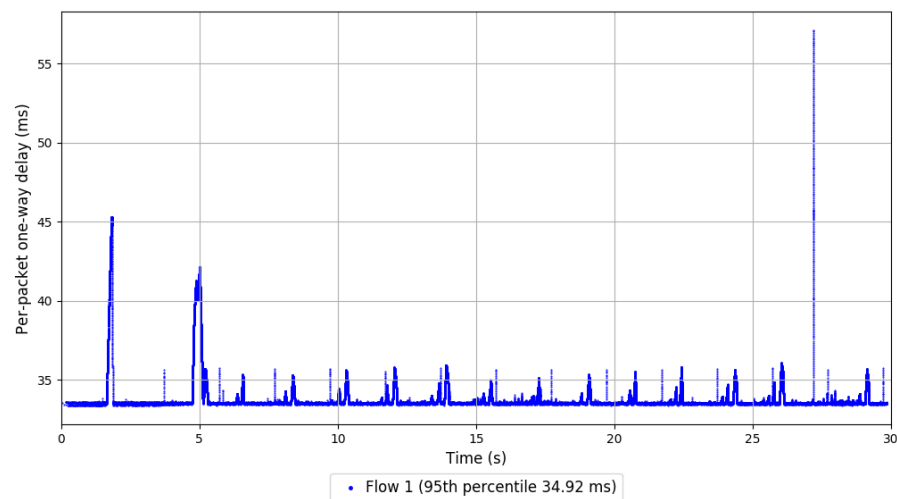
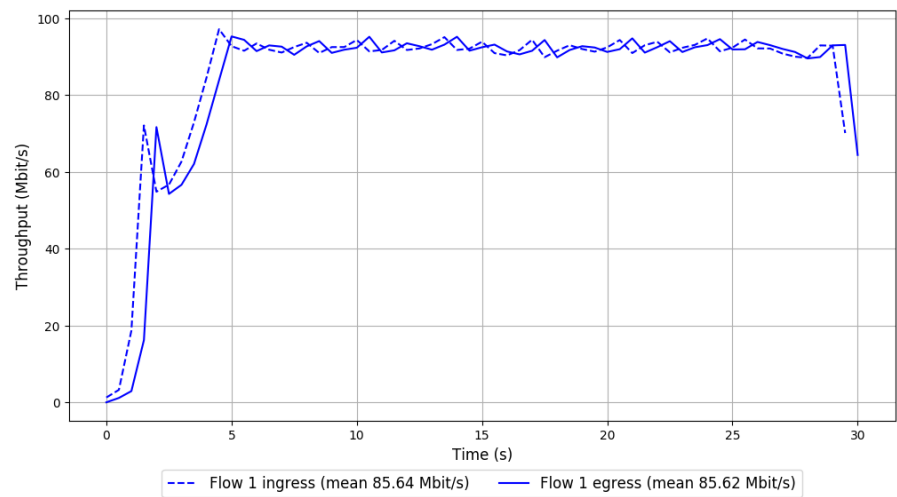
-- Flow 1:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 34.916 ms

Loss rate: 0.23%

Run 3: Report of PCC-Vivace — Data Link

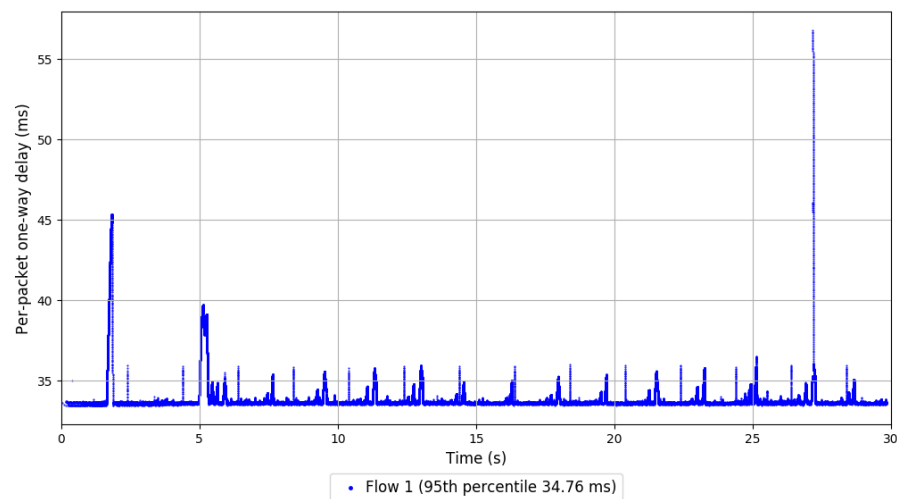
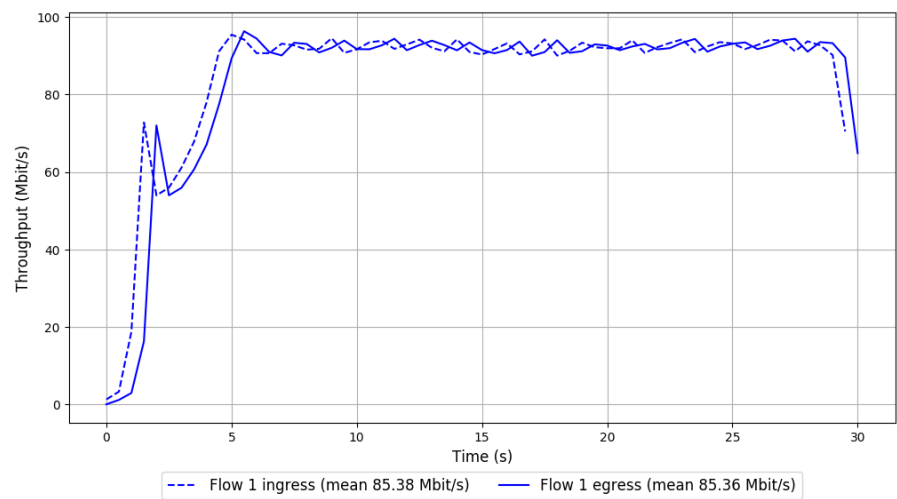


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 18:32:47
End at: 2018-08-09 18:33:17
Local clock offset: 0.293 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-08-09 21:27:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 34.760 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 34.760 ms
Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link

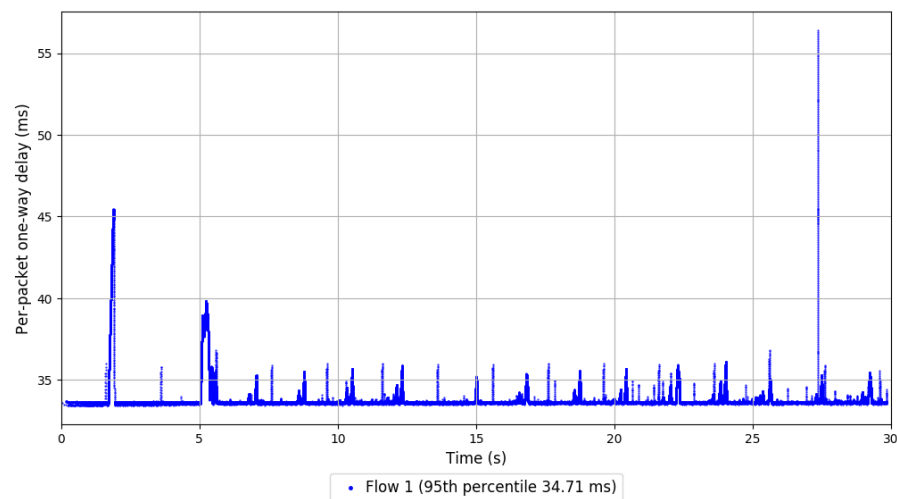
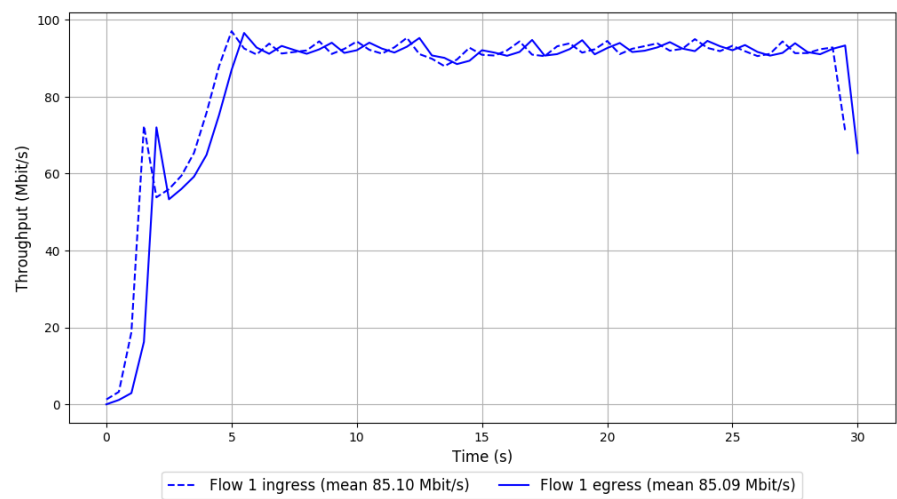


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 18:55:00
End at: 2018-08-09 18:55:30
Local clock offset: 0.019 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-08-09 21:27:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 34.708 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 34.708 ms
Loss rate: 0.23%

Run 5: Report of PCC-Vivace — Data Link

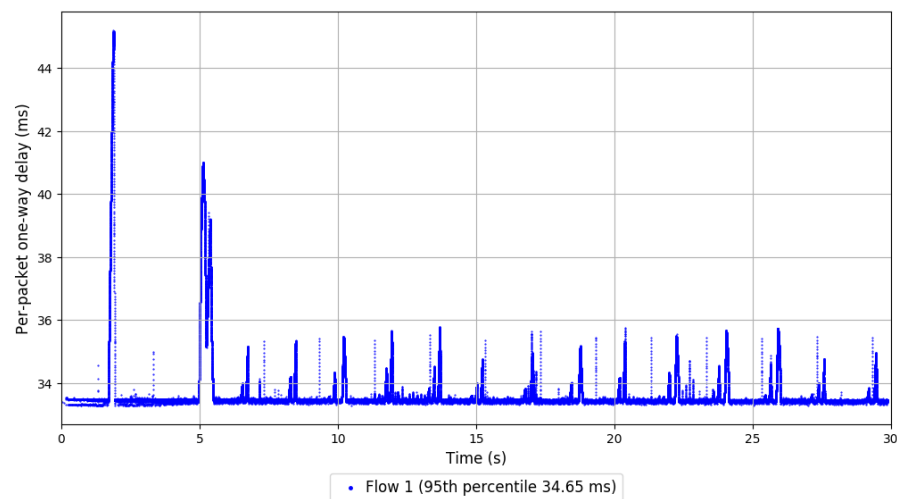
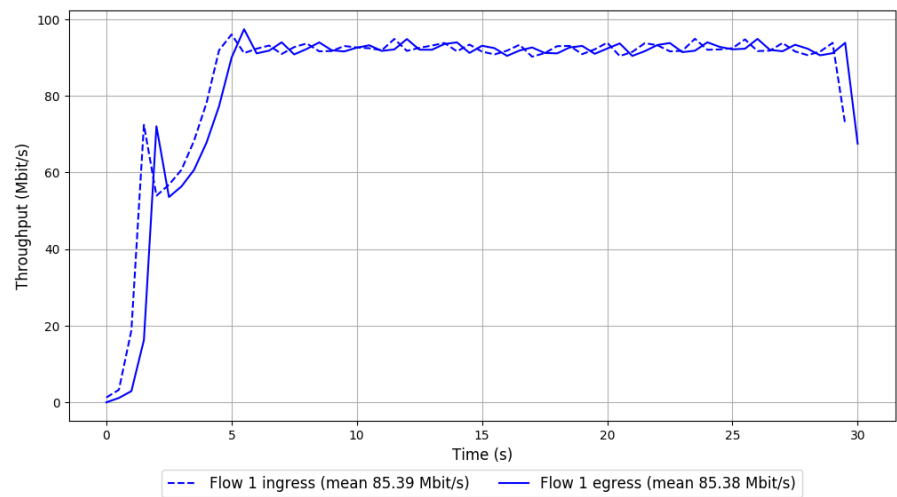


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 19:17:28
End at: 2018-08-09 19:17:58
Local clock offset: -0.333 ms
Remote clock offset: -1.935 ms

Below is generated by plot.py at 2018-08-09 21:27:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 34.653 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 34.653 ms
Loss rate: 0.22%

Run 6: Report of PCC-Vivace — Data Link

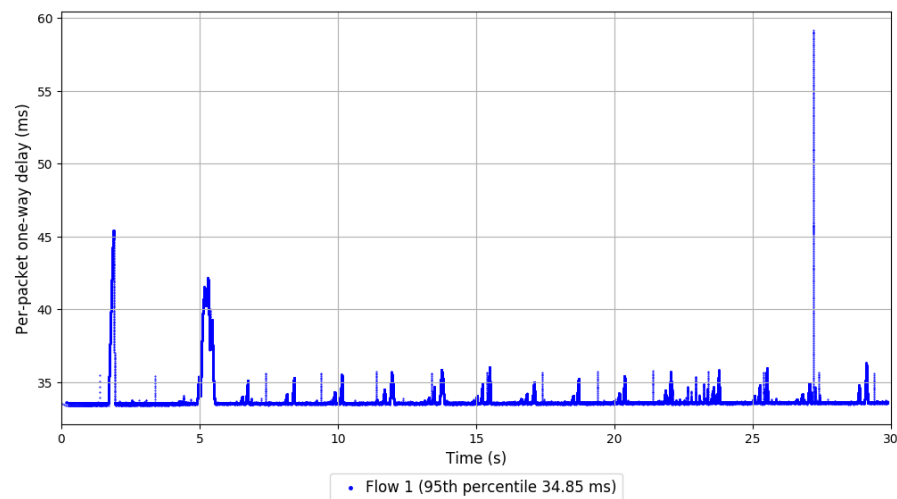
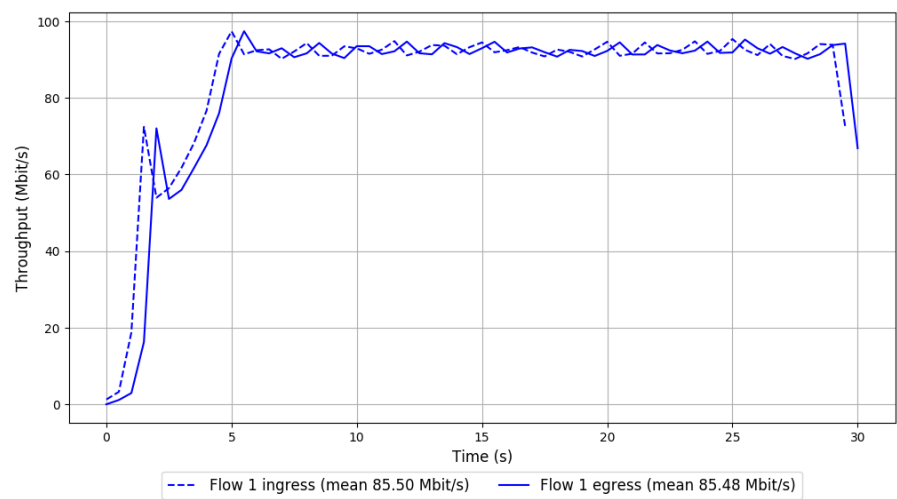


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 19:39:50
End at: 2018-08-09 19:40:20
Local clock offset: -0.617 ms
Remote clock offset: -2.765 ms

Below is generated by plot.py at 2018-08-09 21:27:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 34.850 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 34.850 ms
Loss rate: 0.23%

Run 7: Report of PCC-Vivace — Data Link

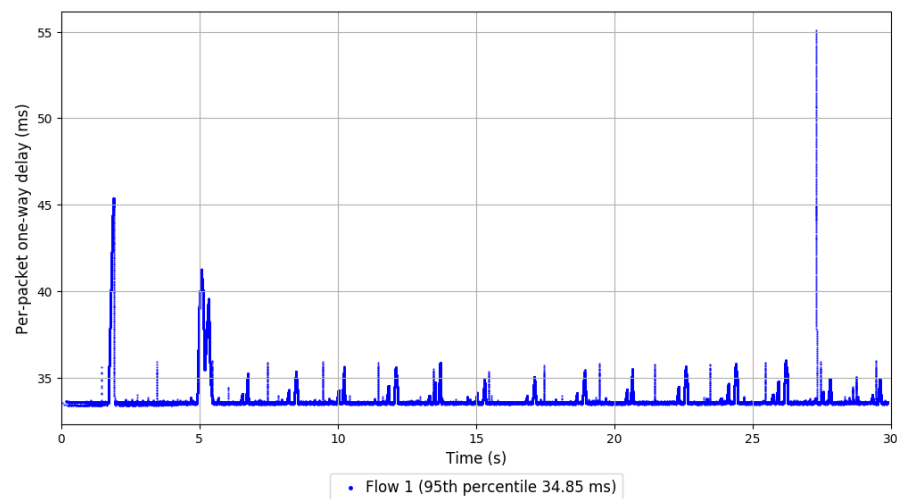
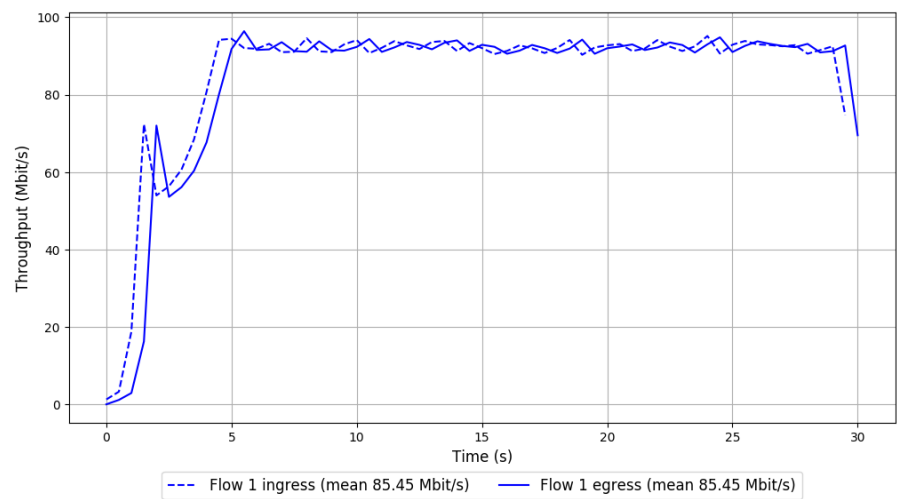


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 20:02:16
End at: 2018-08-09 20:02:46
Local clock offset: -0.569 ms
Remote clock offset: -1.607 ms

Below is generated by plot.py at 2018-08-09 21:28:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 34.853 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 34.853 ms
Loss rate: 0.22%

Run 8: Report of PCC-Vivace — Data Link

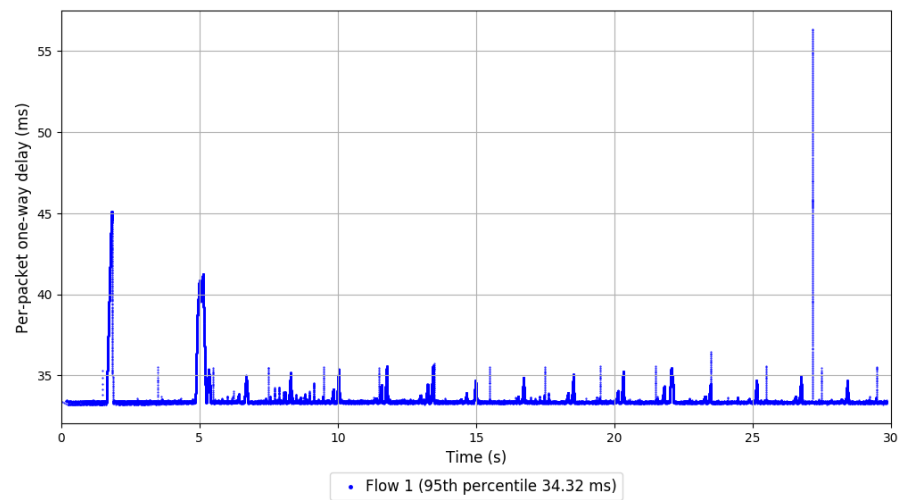
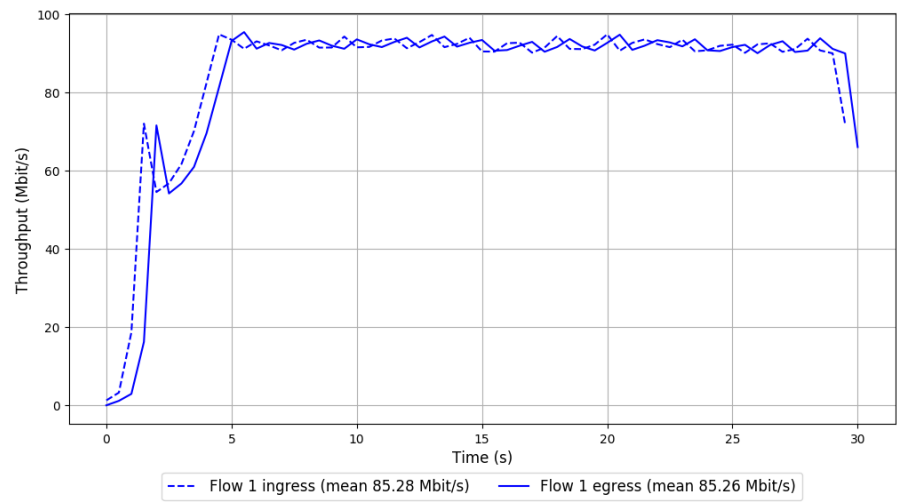


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 20:24:34
End at: 2018-08-09 20:25:04
Local clock offset: -0.461 ms
Remote clock offset: -1.997 ms

Below is generated by plot.py at 2018-08-09 21:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 34.321 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 34.321 ms
Loss rate: 0.23%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 20:46:53

End at: 2018-08-09 20:47:23

Local clock offset: -0.336 ms

Remote clock offset: -1.985 ms

Below is generated by plot.py at 2018-08-09 21:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 34.462 ms

Loss rate: 0.22%

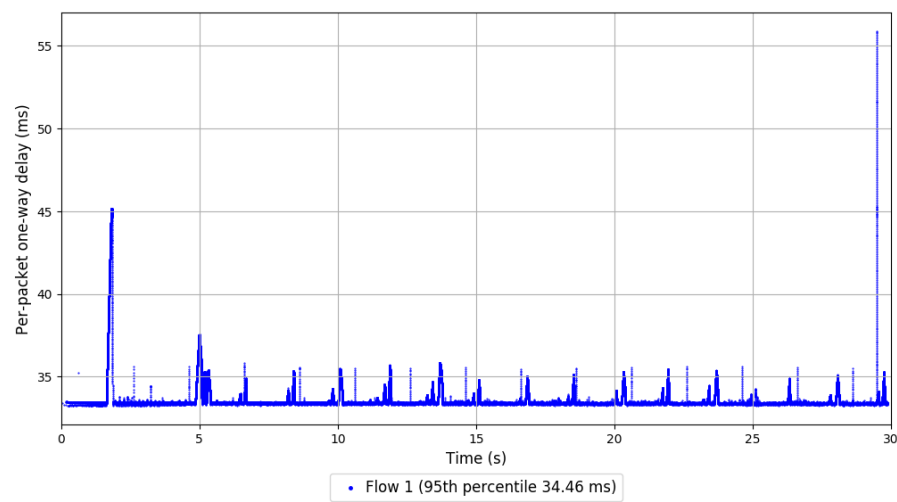
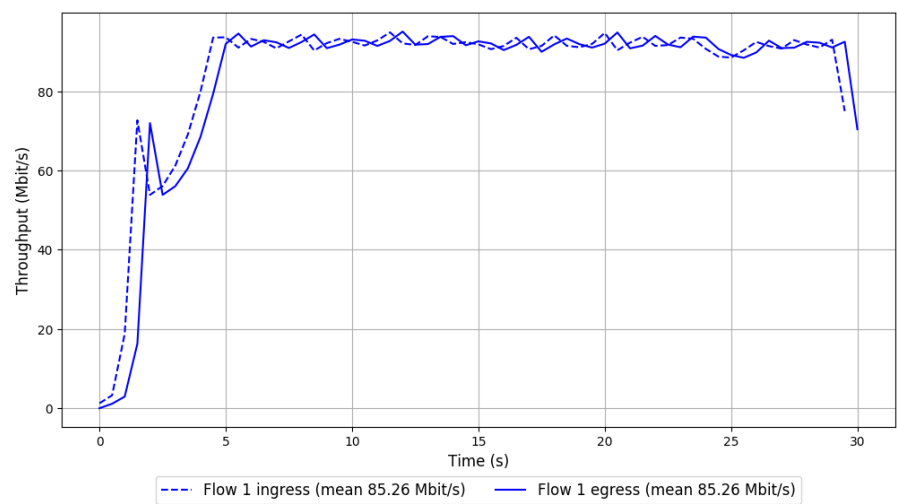
-- Flow 1:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 34.462 ms

Loss rate: 0.22%

Run 10: Report of PCC-Vivace — Data Link

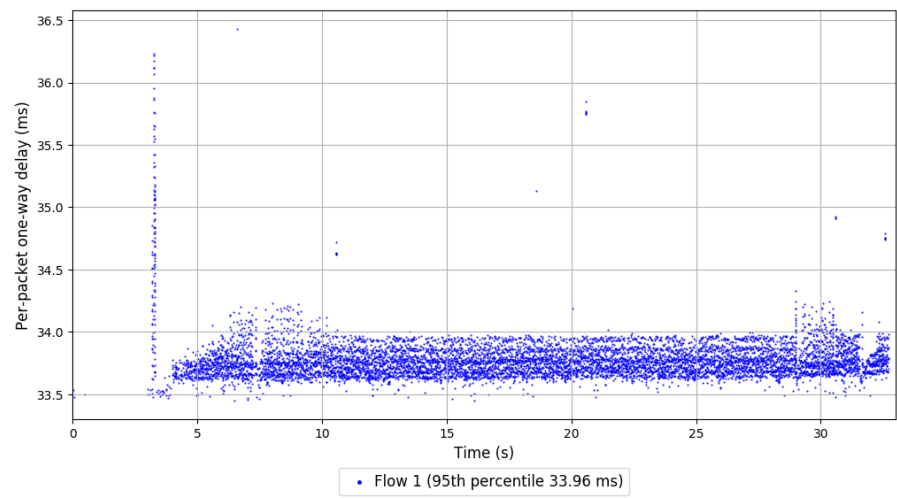
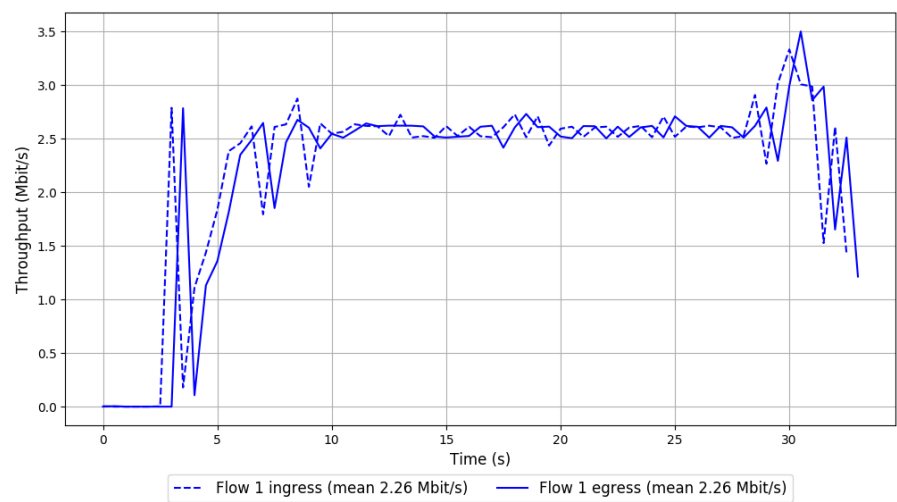


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-09 17:27:22
End at: 2018-08-09 17:27:52
Local clock offset: 0.338 ms
Remote clock offset: 0.592 ms

# Below is generated by plot.py at 2018-08-09 21:28:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.26%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-09 17:49:35

End at: 2018-08-09 17:50:05

Local clock offset: 0.301 ms

Remote clock offset: 1.846 ms

Below is generated by plot.py at 2018-08-09 21:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 34.016 ms

Loss rate: 0.20%

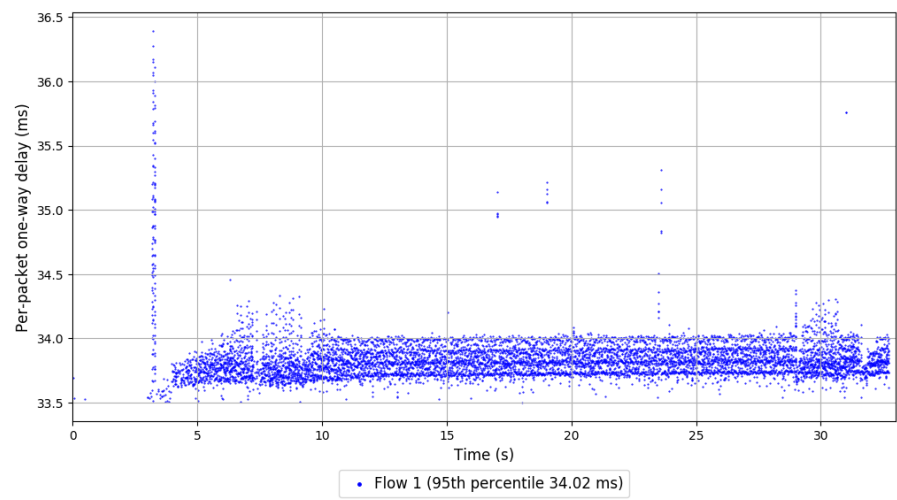
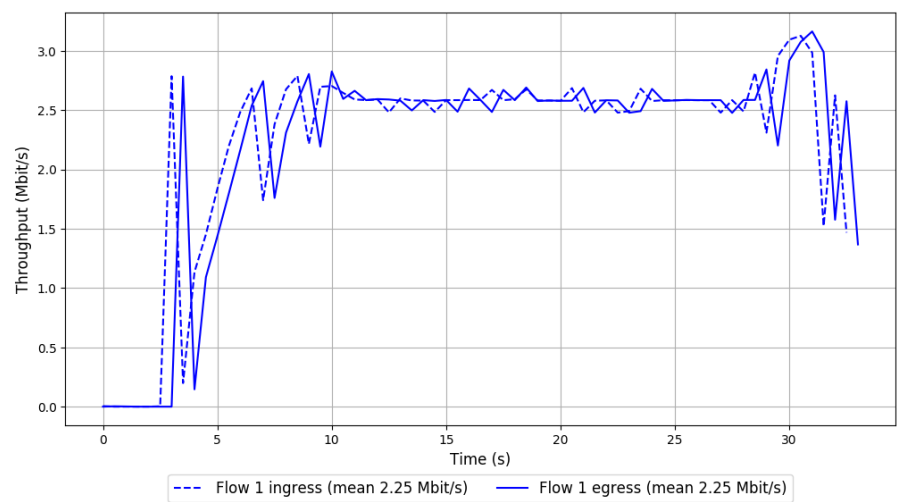
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 34.016 ms

Loss rate: 0.20%

Run 2: Report of WebRTC media — Data Link

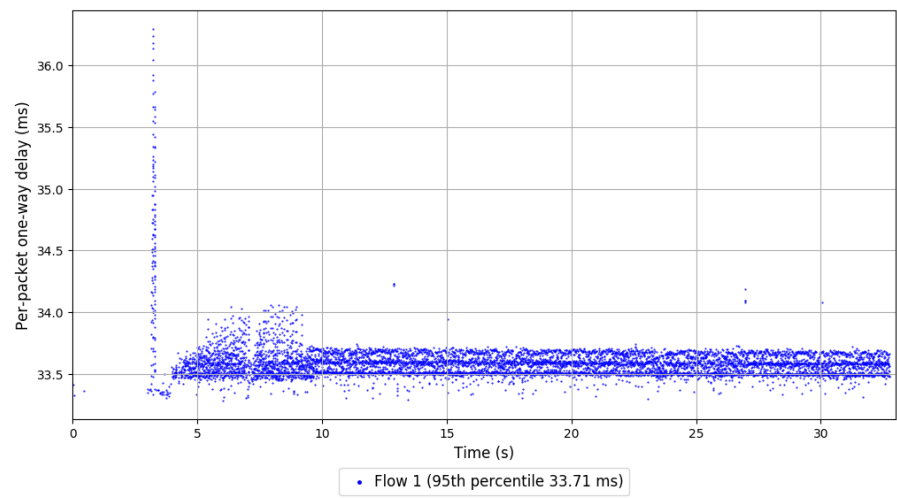
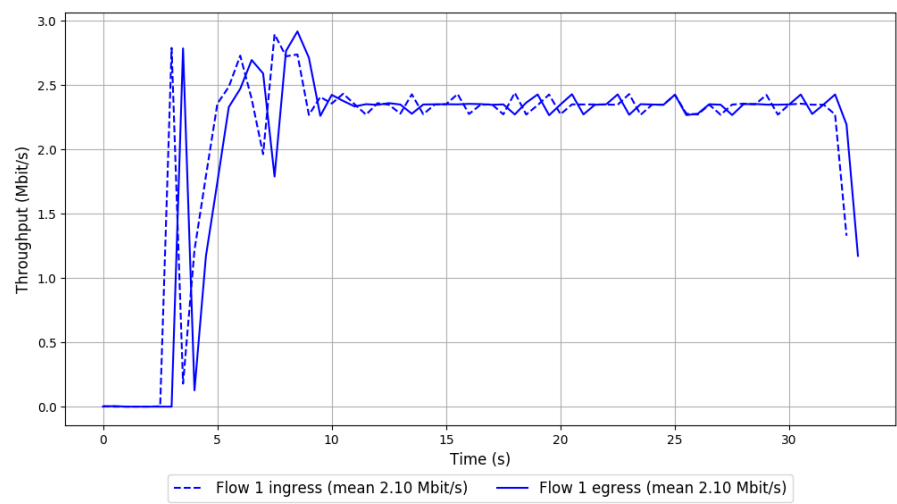


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 18:11:51
End at: 2018-08-09 18:12:22
Local clock offset: 0.221 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-09 21:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 33.709 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 33.709 ms
Loss rate: 0.23%

Run 3: Report of WebRTC media — Data Link

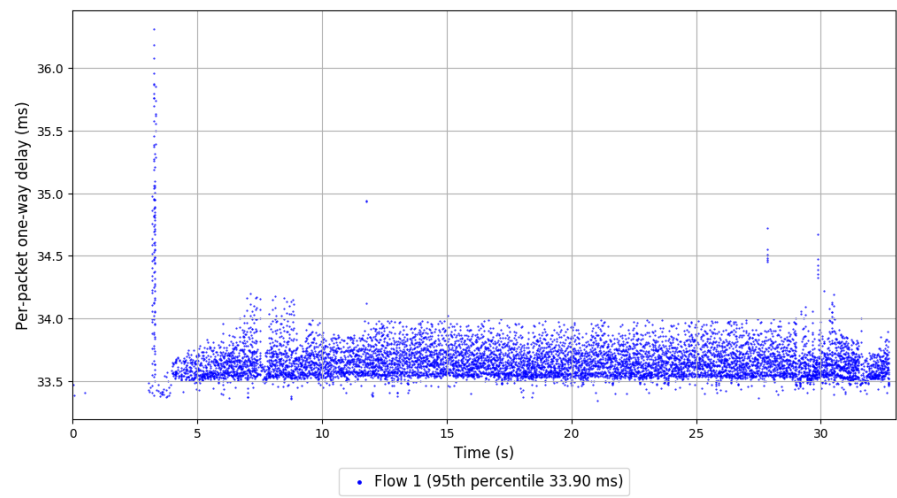
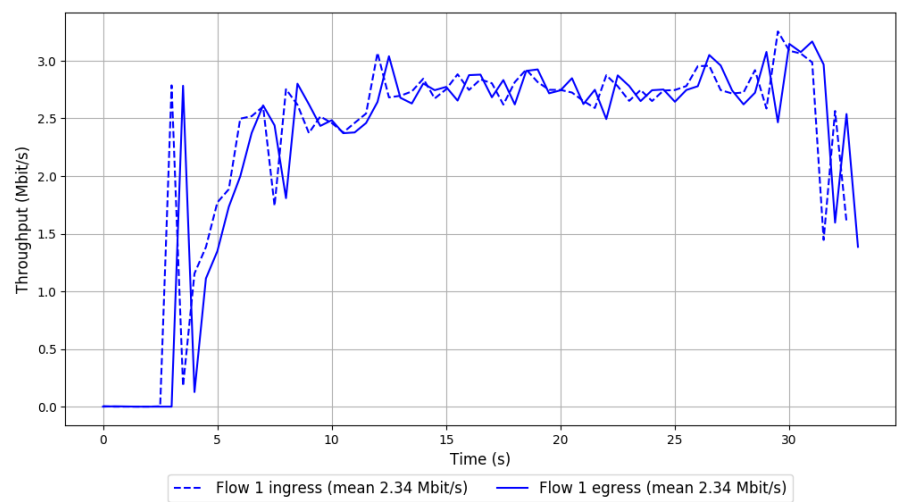


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 18:34:07
End at: 2018-08-09 18:34:37
Local clock offset: 0.31 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-08-09 21:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 33.904 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 33.904 ms
Loss rate: 0.21%

Run 4: Report of WebRTC media — Data Link

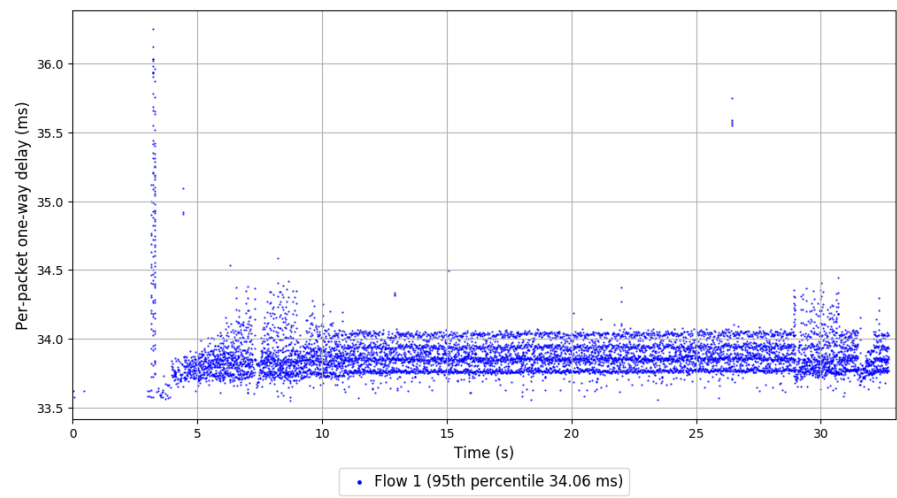
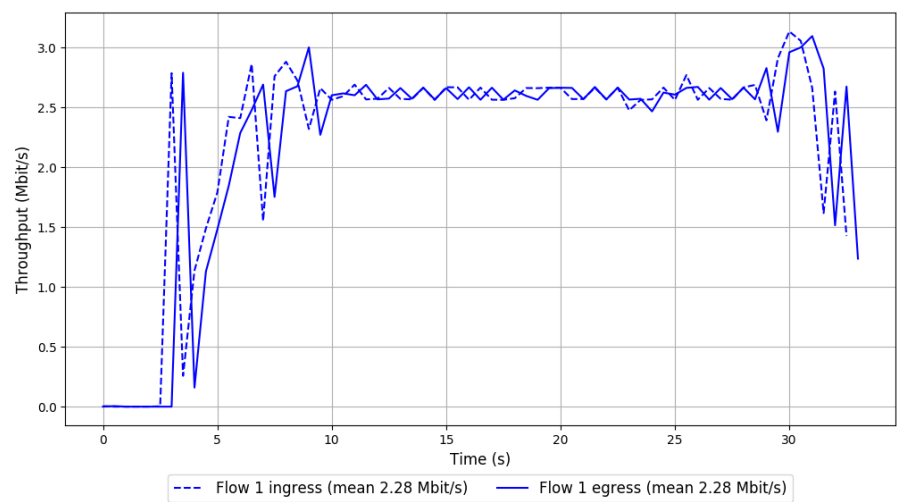


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 18:56:20
End at: 2018-08-09 18:56:50
Local clock offset: -0.085 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-08-09 21:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 34.063 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 34.063 ms
Loss rate: 0.19%

Run 5: Report of WebRTC media — Data Link

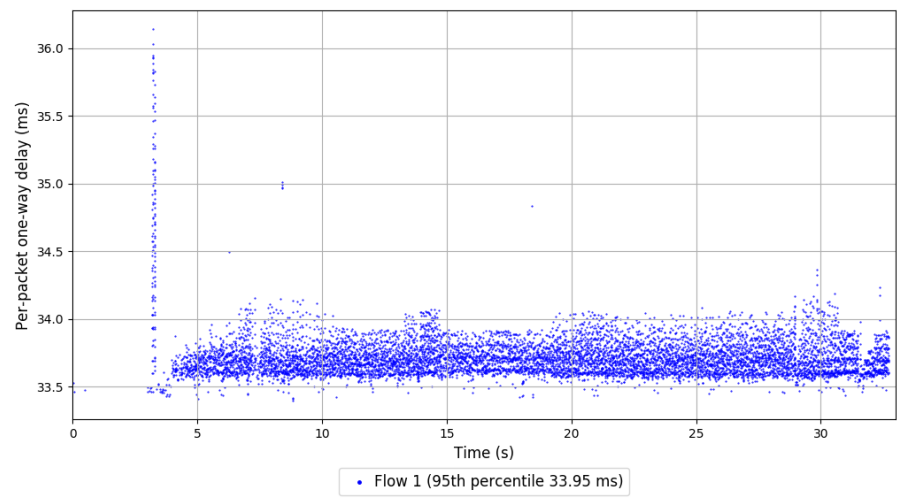
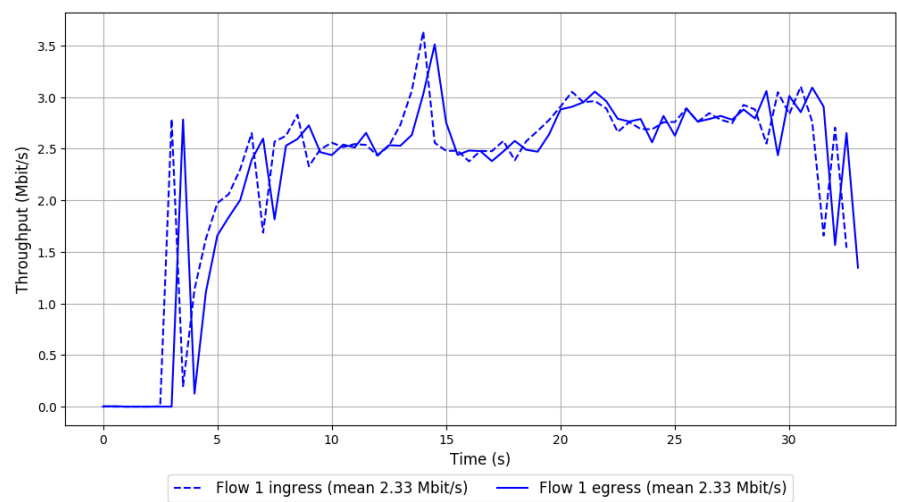


Run 6: Statistics of WebRTC media

Start at: 2018-08-09 19:18:48
End at: 2018-08-09 19:19:18
Local clock offset: -0.297 ms
Remote clock offset: -2.092 ms

Below is generated by plot.py at 2018-08-09 21:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 33.945 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 33.945 ms
Loss rate: 0.25%

Run 6: Report of WebRTC media — Data Link

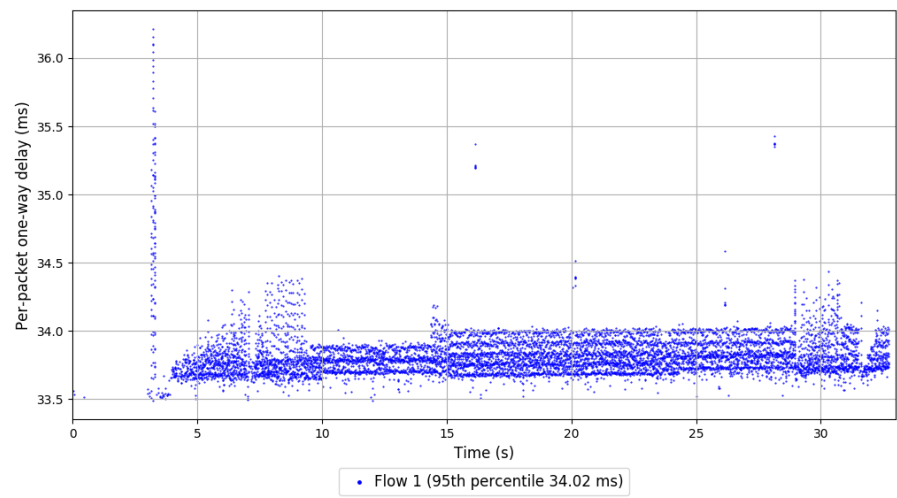
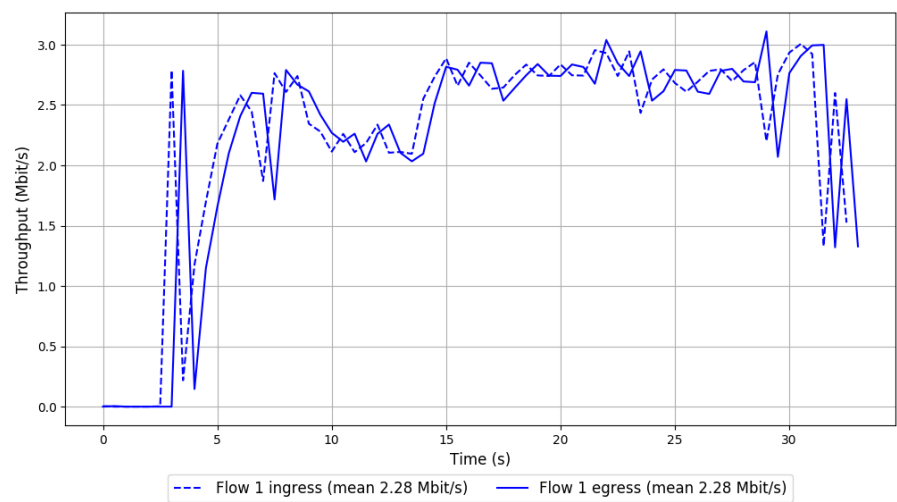


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 19:41:10
End at: 2018-08-09 19:41:40
Local clock offset: -0.623 ms
Remote clock offset: -2.695 ms

Below is generated by plot.py at 2018-08-09 21:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 34.018 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 34.018 ms
Loss rate: 0.26%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

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

End at: 2018-08-09 20:04:06

Local clock offset: -0.66 ms

Remote clock offset: -1.58 ms

Below is generated by plot.py at 2018-08-09 21:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 33.828 ms

Loss rate: 0.29%

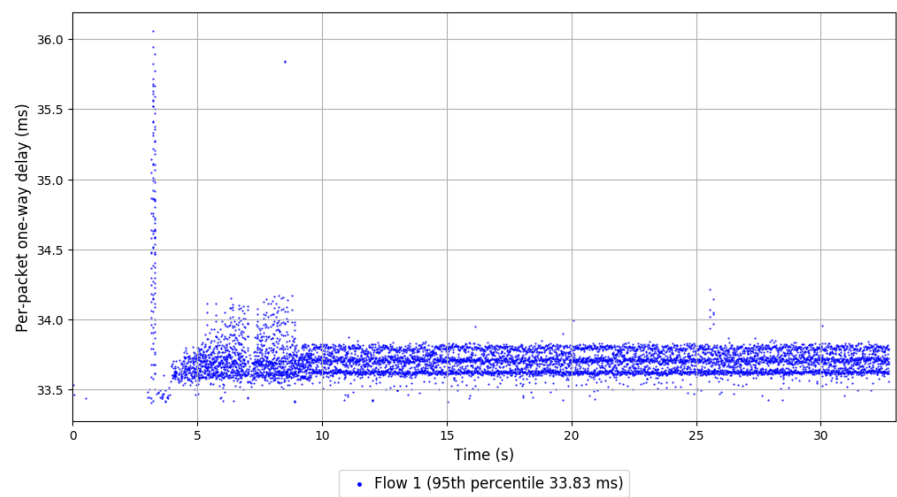
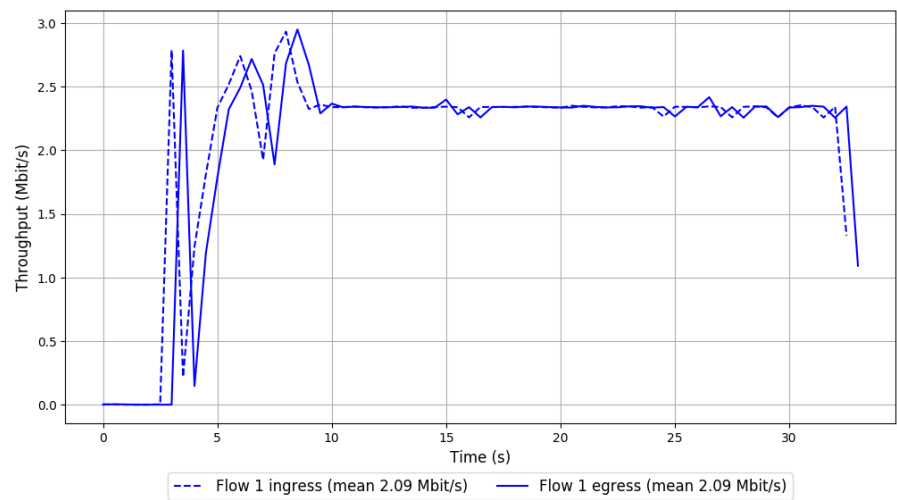
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 33.828 ms

Loss rate: 0.29%

Run 8: Report of WebRTC media — Data Link

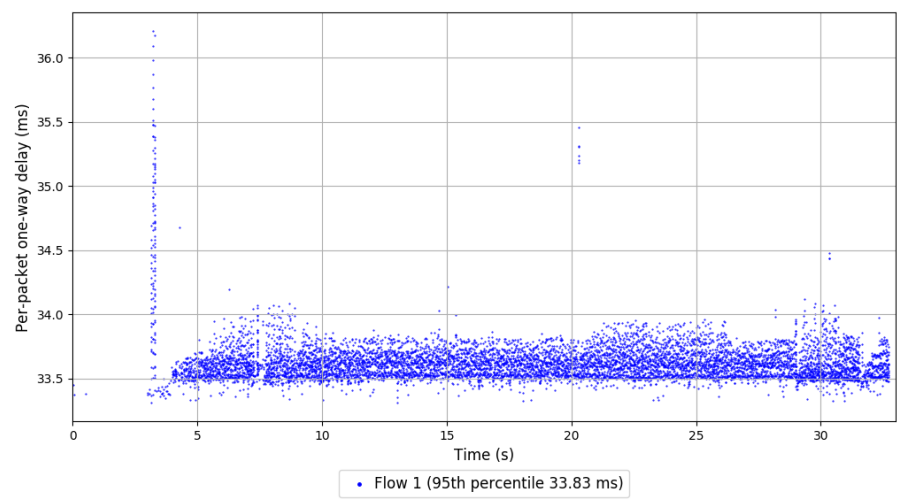
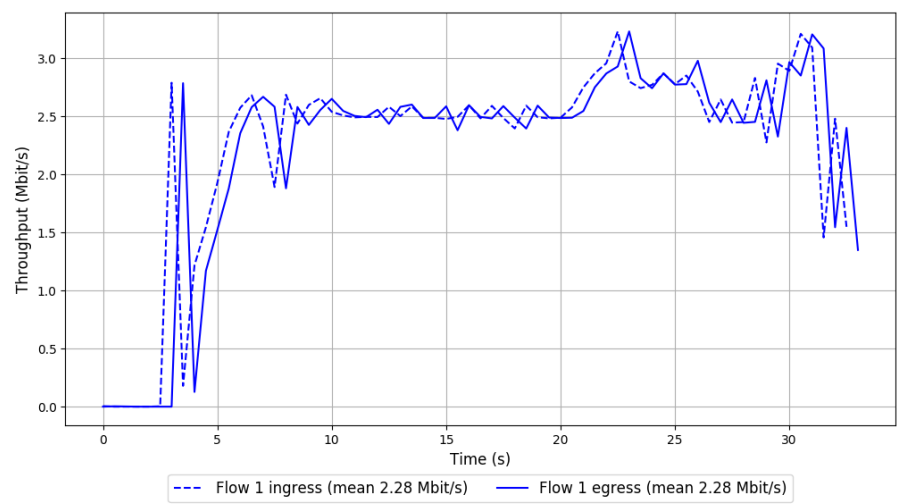


Run 9: Statistics of WebRTC media

Start at: 2018-08-09 20:25:54
End at: 2018-08-09 20:26:24
Local clock offset: -0.339 ms
Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-08-09 21:28:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 33.828 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 33.828 ms
Loss rate: 0.27%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 20:48:13

End at: 2018-08-09 20:48:43

Local clock offset: -0.354 ms

Remote clock offset: -2.09 ms

Below is generated by plot.py at 2018-08-09 21:28:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 33.745 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 33.745 ms

Loss rate: 0.26%

Run 10: Report of WebRTC media — Data Link

