

Pantheon Report

Generated at 2018-08-09 05:08:52 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

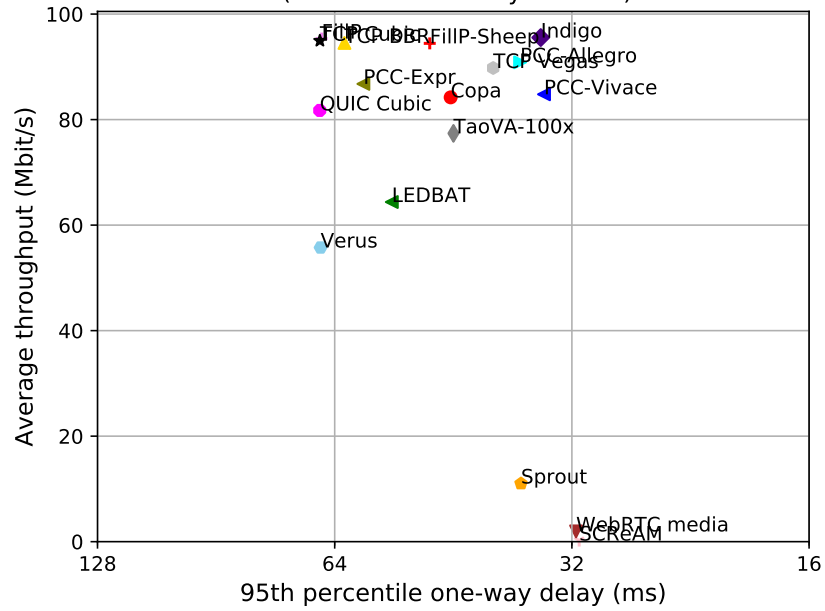
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

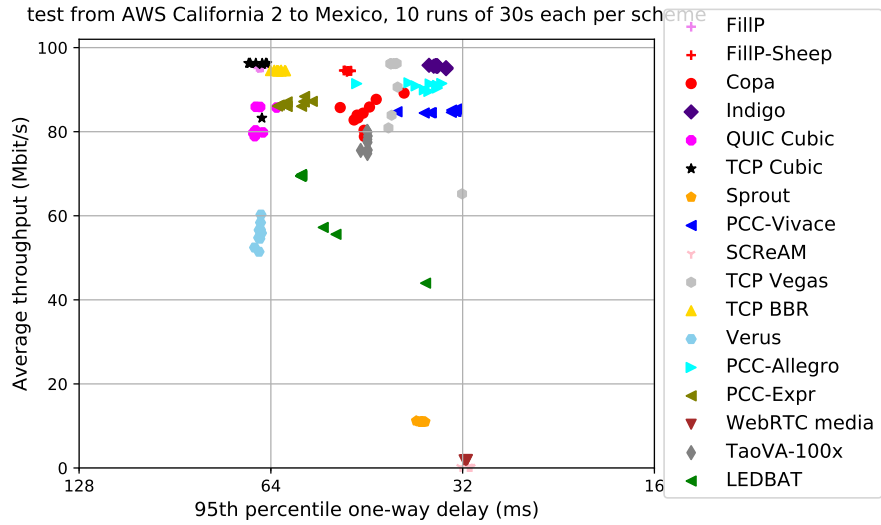
Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



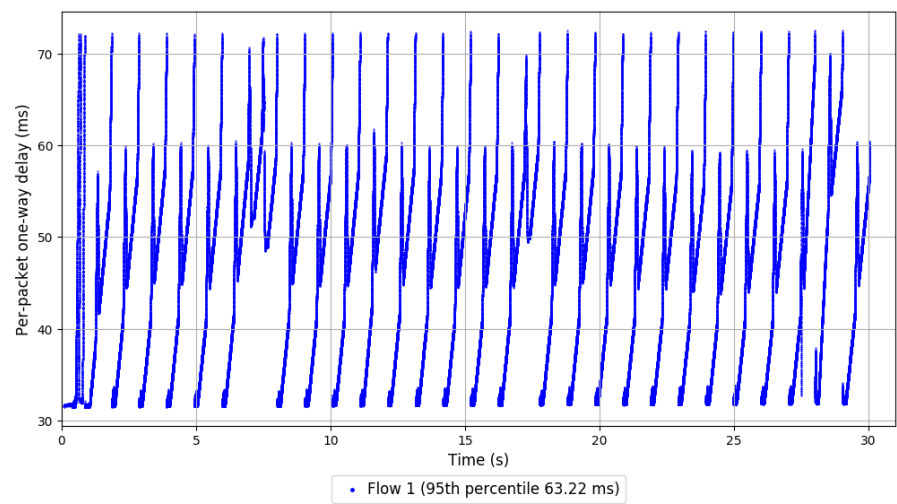
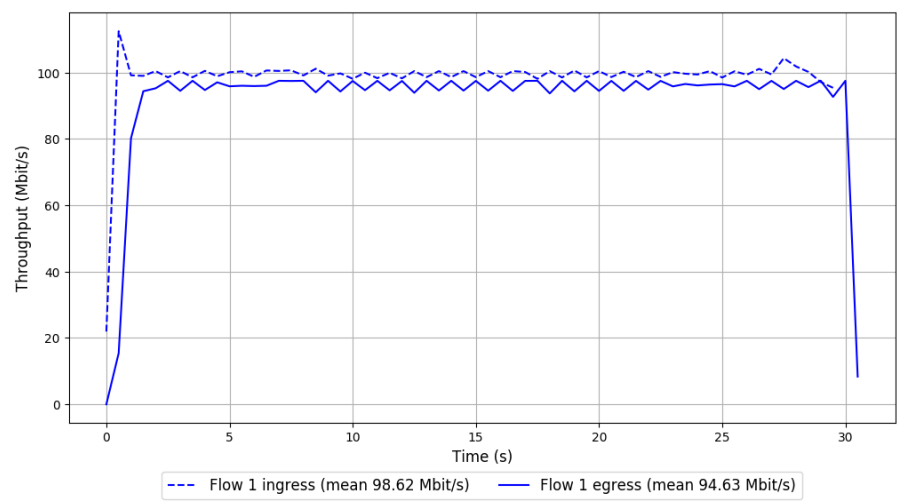
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.53	62.20	4.04
Copa	10	84.21	45.60	0.74
TCP Cubic	10	94.95	66.83	0.34
FillP	10	95.35	66.49	9.32
FillP-Sheep	10	94.45	48.48	1.02
Indigo	10	95.55	35.05	0.00
LEDBAT	10	64.38	54.17	0.01
PCC-Allegro	10	90.85	37.23	0.72
PCC-Expr	10	86.77	58.86	0.94
QUIC Cubic	9	81.74	66.86	1.47
SCReAM	10	0.21	31.33	0.00
Sprout	10	11.02	37.13	0.00
TaoVA-100x	10	77.39	45.23	0.01
TCP Vegas	10	89.78	40.28	0.34
Verus	10	55.75	66.70	26.72
PCC-Vivace	10	84.79	34.72	0.00
WebRTC media	10	1.94	31.61	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 01:18:49
End at: 2018-08-09 01:19:19
Local clock offset: -7.026 ms
Remote clock offset: -2.503 ms

Below is generated by plot.py at 2018-08-09 04:47:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 63.217 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 63.217 ms
Loss rate: 3.95%

Run 1: Report of TCP BBR — Data Link

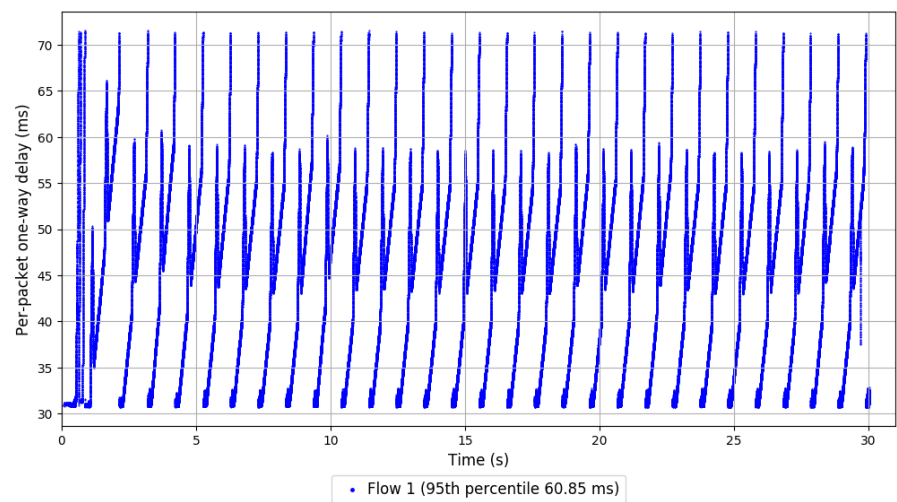
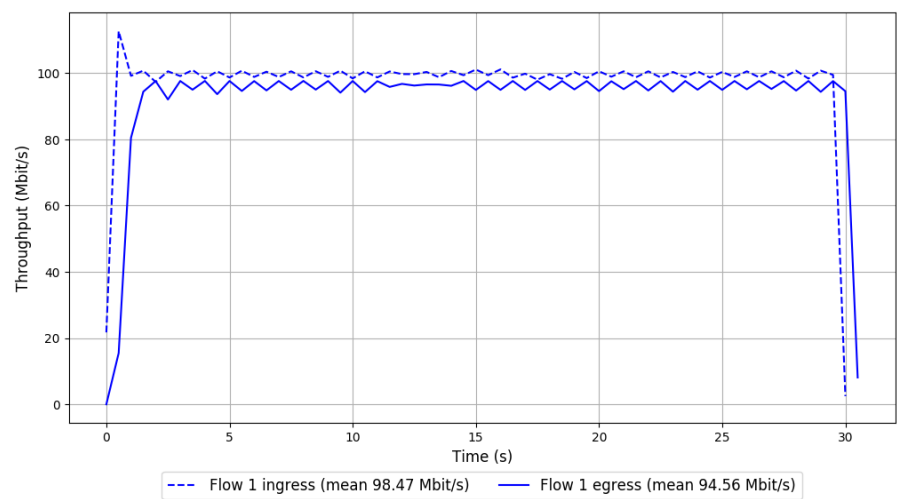


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 01:41:07
End at: 2018-08-09 01:41:37
Local clock offset: -2.985 ms
Remote clock offset: -2.795 ms

Below is generated by plot.py at 2018-08-09 04:47:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 60.855 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 60.855 ms
Loss rate: 3.97%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-09 02:03:24

End at: 2018-08-09 02:03:54

Local clock offset: -4.374 ms

Remote clock offset: -0.988 ms

Below is generated by plot.py at 2018-08-09 04:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 64.084 ms

Loss rate: 4.11%

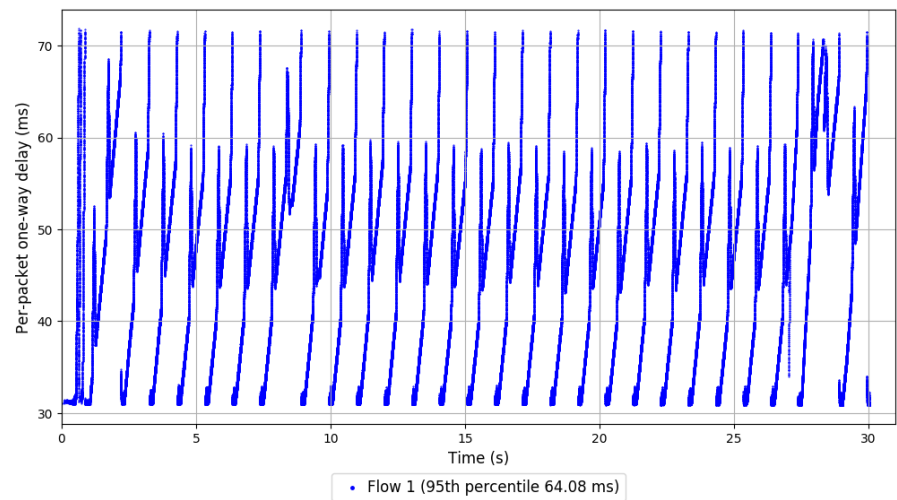
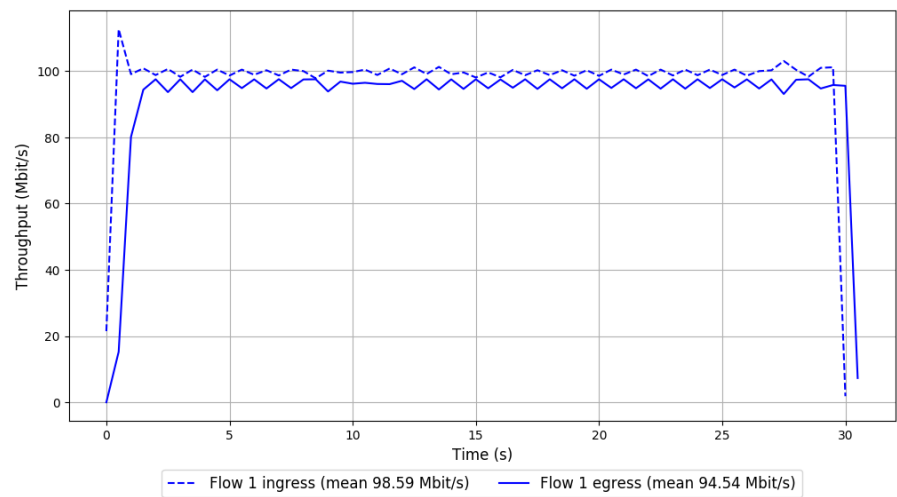
-- Flow 1:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 64.084 ms

Loss rate: 4.11%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-09 02:25:43

End at: 2018-08-09 02:26:13

Local clock offset: -1.67 ms

Remote clock offset: 1.502 ms

Below is generated by plot.py at 2018-08-09 04:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 61.659 ms

Loss rate: 4.05%

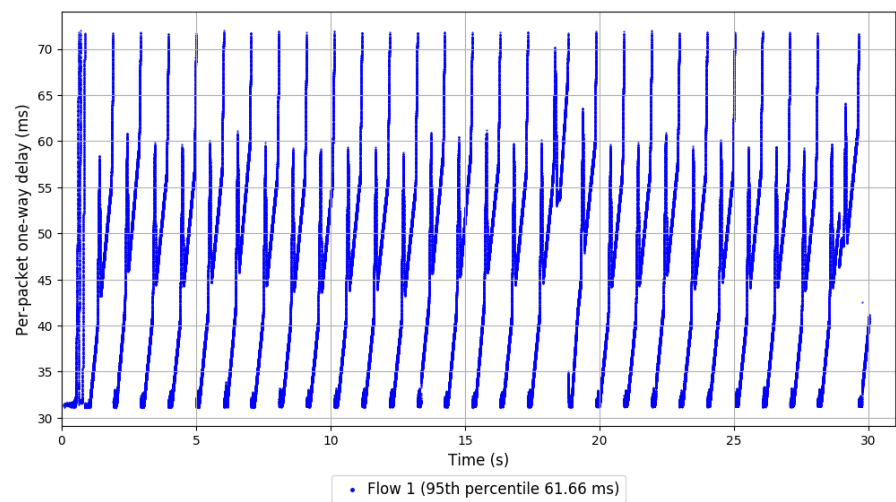
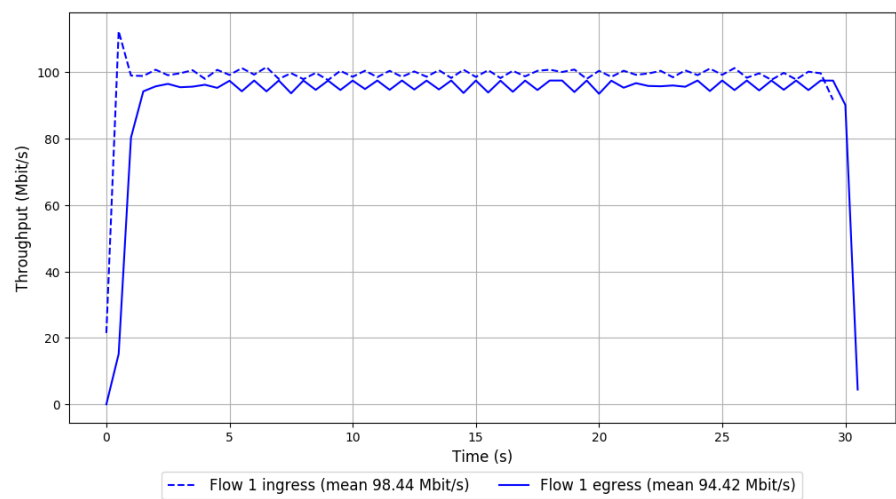
-- Flow 1:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 61.659 ms

Loss rate: 4.05%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 02:48:19

End at: 2018-08-09 02:48:49

Local clock offset: -0.18 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-08-09 04:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.51 Mbit/s

95th percentile per-packet one-way delay: 62.250 ms

Loss rate: 4.08%

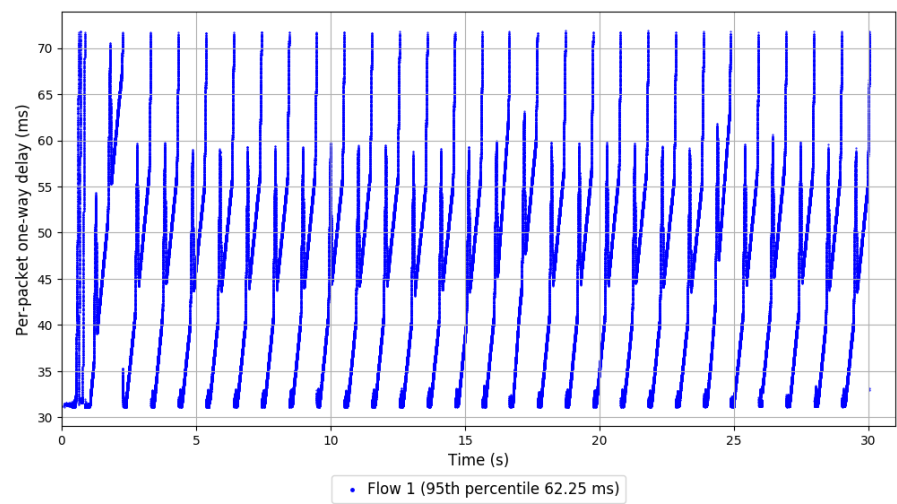
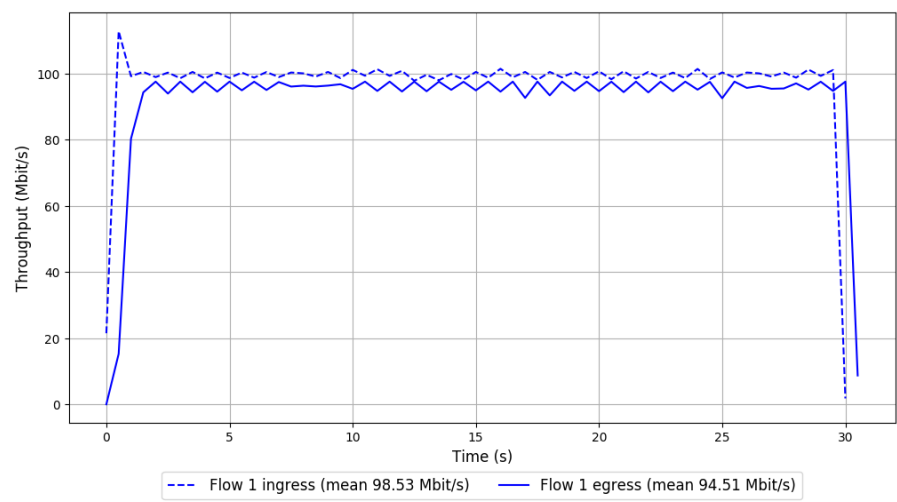
-- Flow 1:

Average throughput: 94.51 Mbit/s

95th percentile per-packet one-way delay: 62.250 ms

Loss rate: 4.08%

Run 5: Report of TCP BBR — Data Link

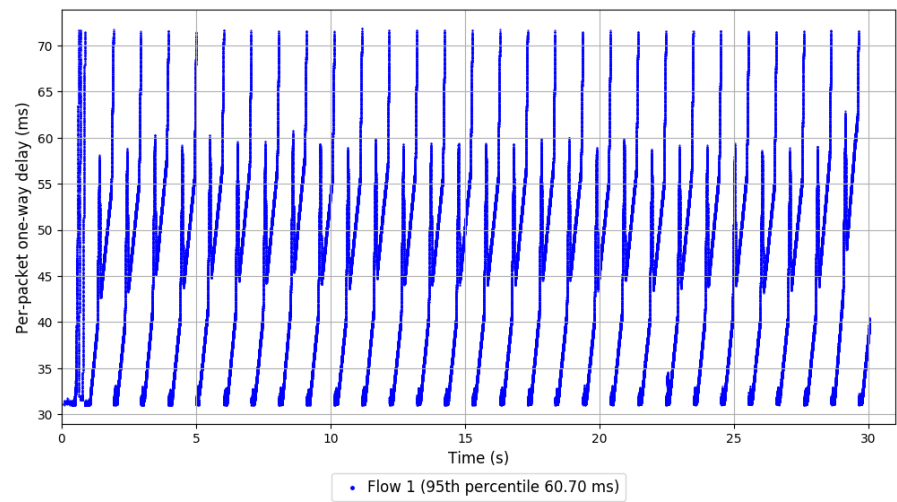
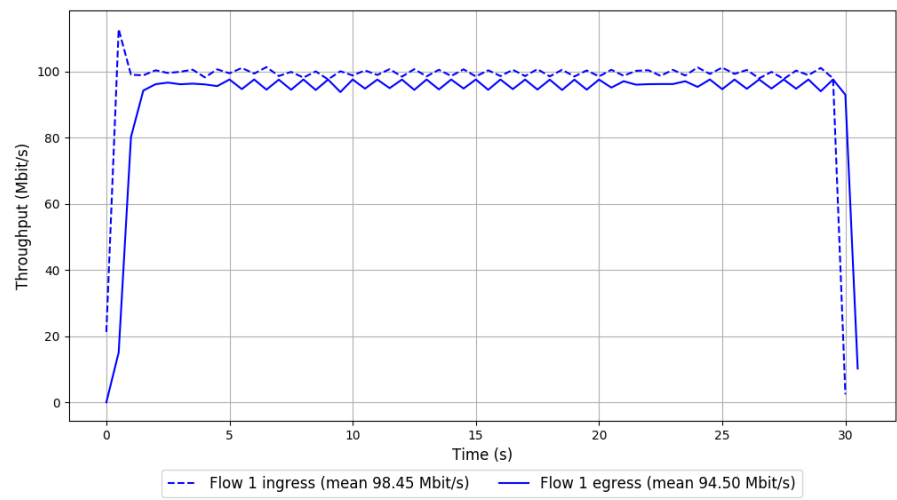


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 03:10:49
End at: 2018-08-09 03:11:19
Local clock offset: 0.314 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-09 04:47:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 60.696 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 60.696 ms
Loss rate: 3.98%

Run 6: Report of TCP BBR — Data Link

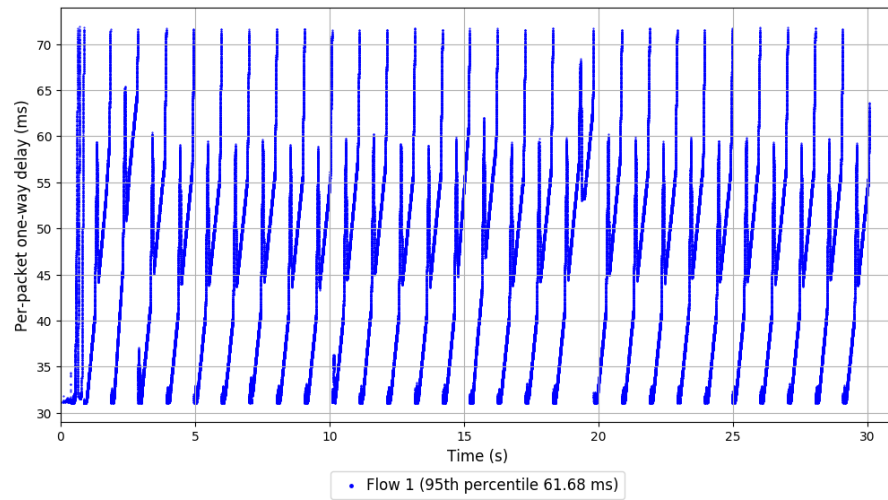
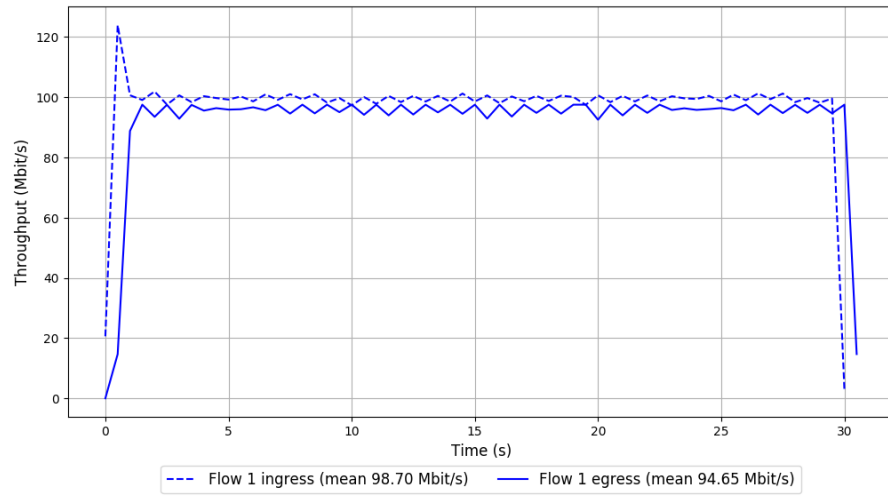


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 03:33:11
End at: 2018-08-09 03:33:41
Local clock offset: 0.141 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-08-09 04:47:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 61.676 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 61.676 ms
Loss rate: 4.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 03:55:34

End at: 2018-08-09 03:56:04

Local clock offset: 0.309 ms

Remote clock offset: -1.048 ms

Below is generated by plot.py at 2018-08-09 04:47:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 62.445 ms

Loss rate: 4.15%

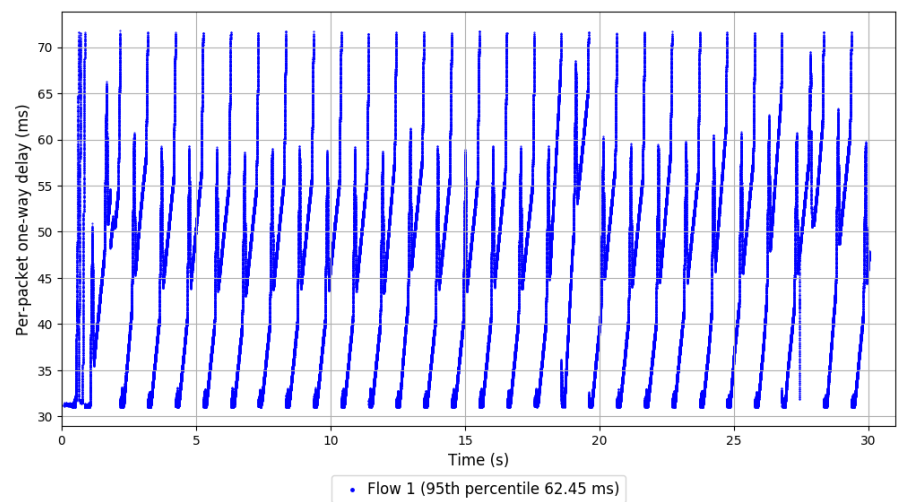
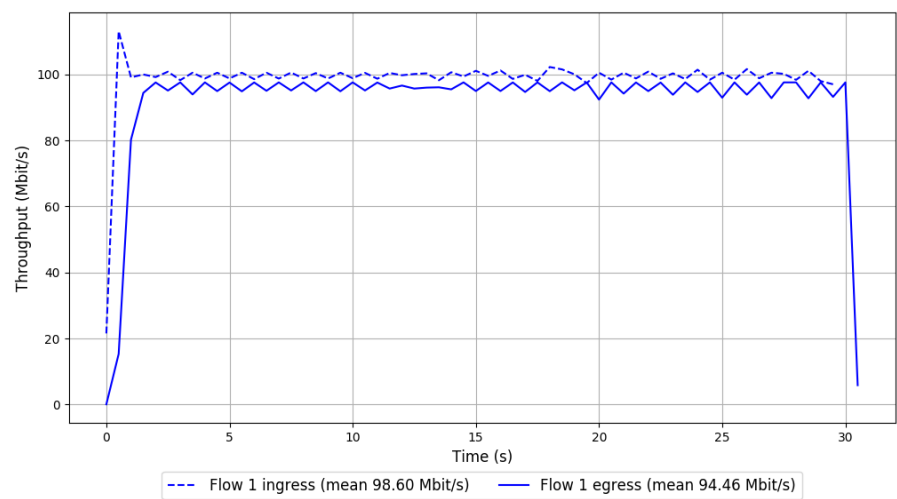
-- Flow 1:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 62.445 ms

Loss rate: 4.15%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 04:17:50

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

Local clock offset: 0.246 ms

Remote clock offset: -1.6 ms

Below is generated by plot.py at 2018-08-09 04:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 62.647 ms

Loss rate: 3.93%

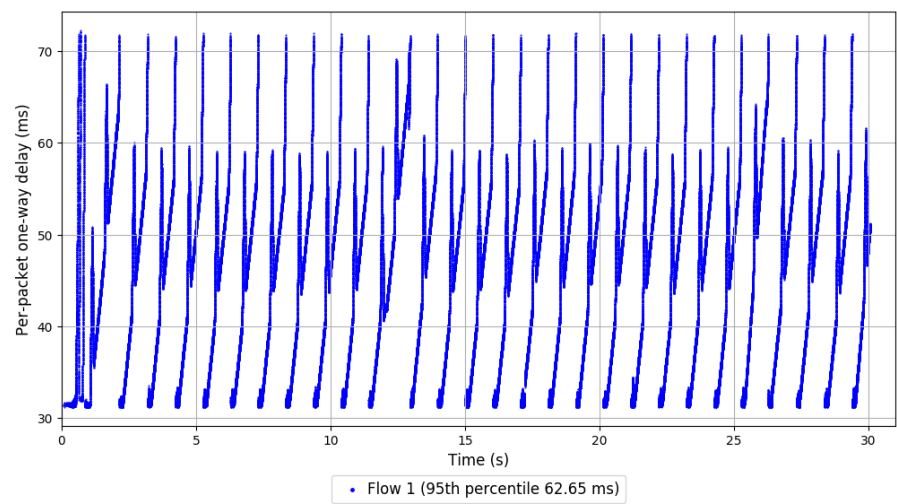
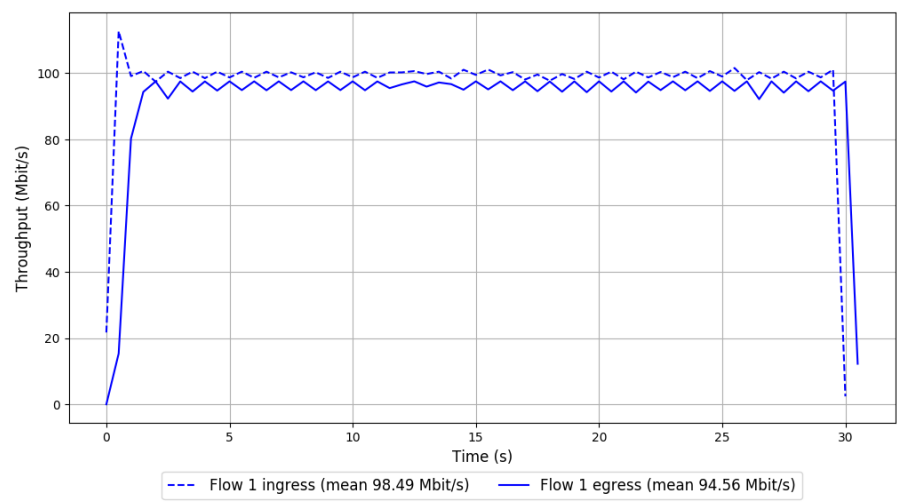
-- Flow 1:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 62.647 ms

Loss rate: 3.93%

Run 9: Report of TCP BBR — Data Link

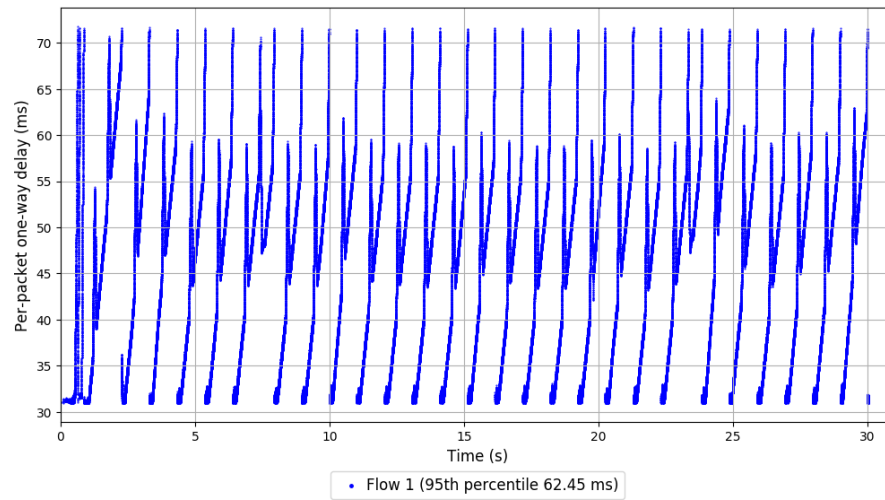
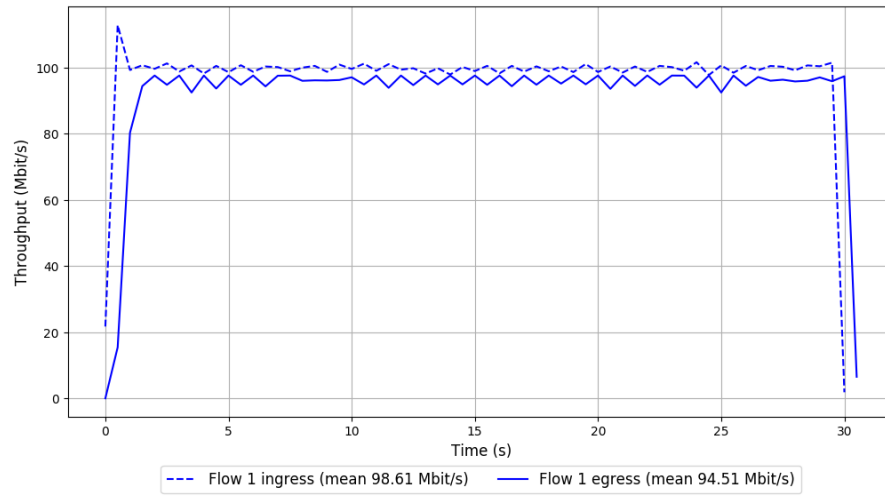


Run 10: Statistics of TCP BBR

Start at: 2018-08-09 04:40:20
End at: 2018-08-09 04:40:50
Local clock offset: 0.392 ms
Remote clock offset: -1.193 ms

Below is generated by plot.py at 2018-08-09 04:48:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 62.454 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 62.454 ms
Loss rate: 4.16%

Run 10: Report of TCP BBR — Data Link

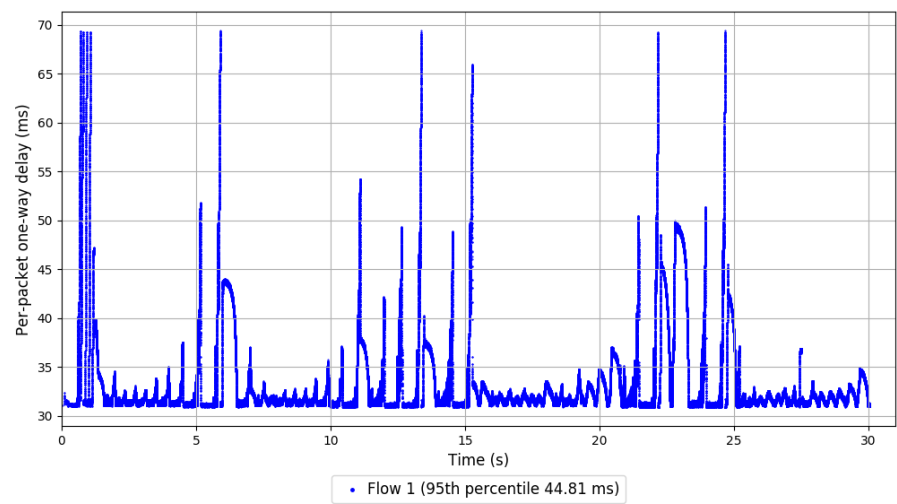
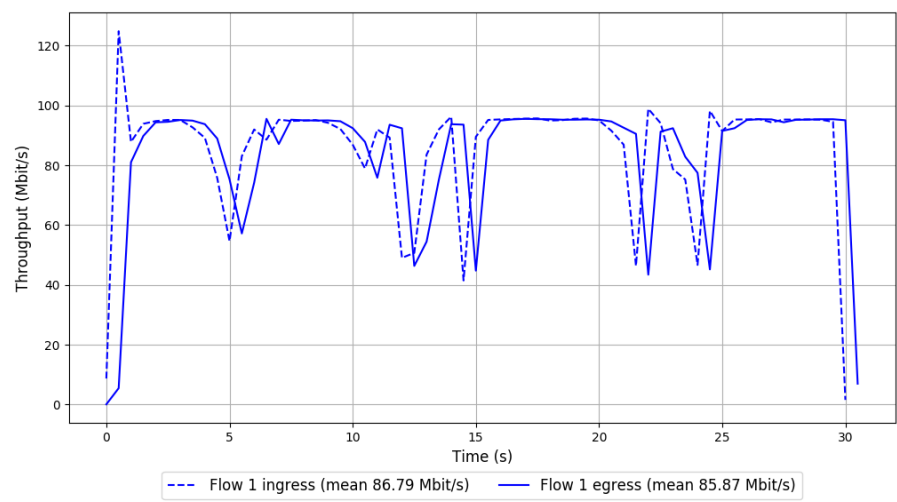


Run 1: Statistics of Copa

Start at: 2018-08-09 01:14:52
End at: 2018-08-09 01:15:22
Local clock offset: -9.165 ms
Remote clock offset: -2.266 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 44.810 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 44.810 ms
Loss rate: 1.06%

Run 1: Report of Copa — Data Link

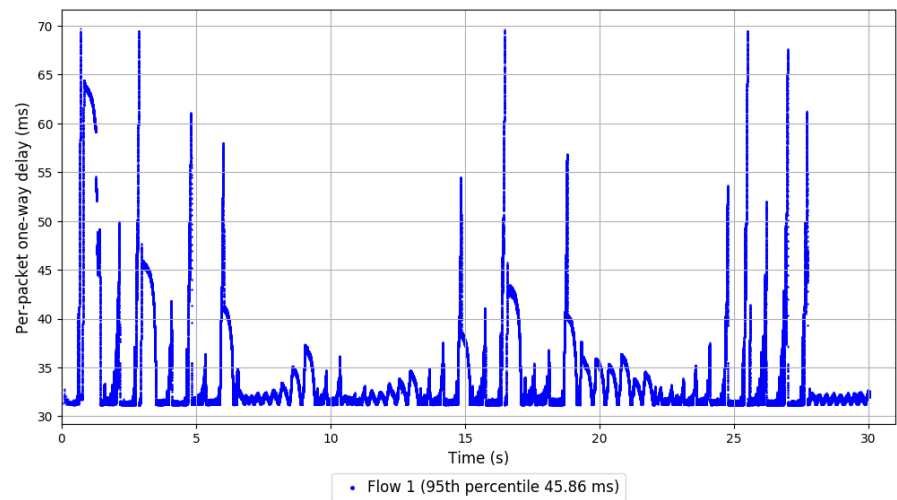
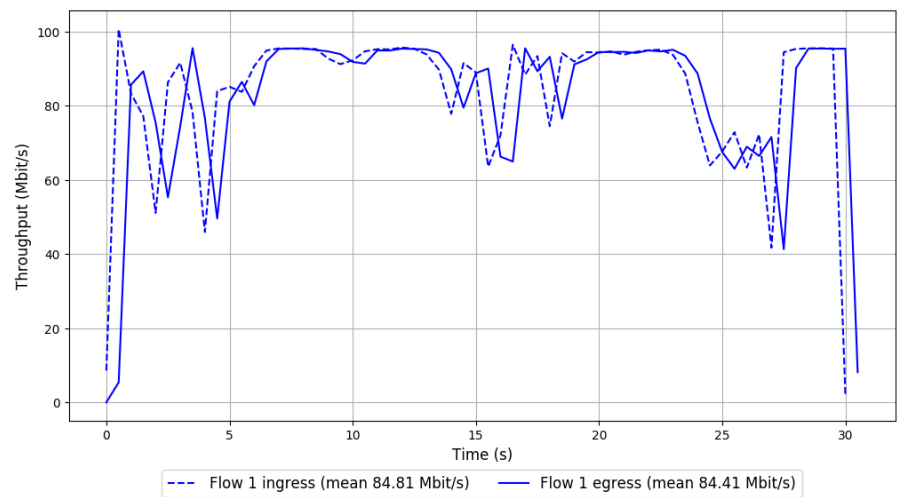


Run 2: Statistics of Copa

Start at: 2018-08-09 01:37:08
End at: 2018-08-09 01:37:38
Local clock offset: -2.916 ms
Remote clock offset: -2.724 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 45.857 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 45.857 ms
Loss rate: 0.47%

Run 2: Report of Copa — Data Link

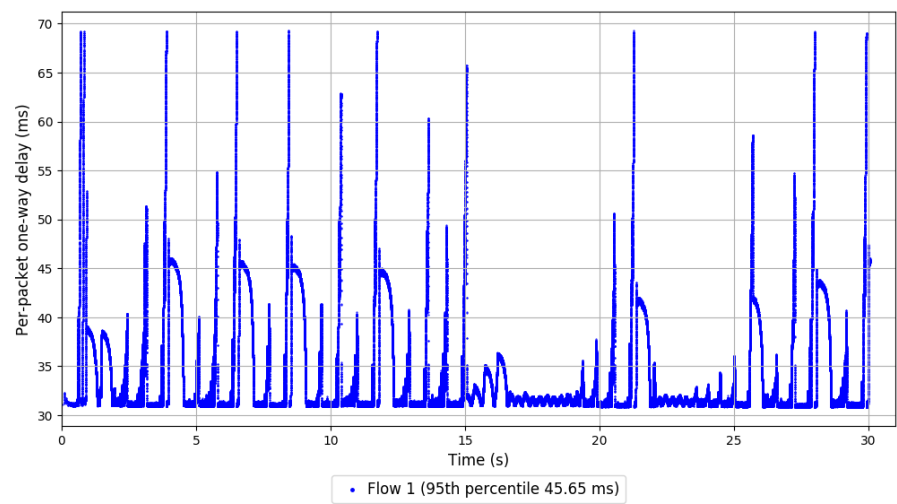
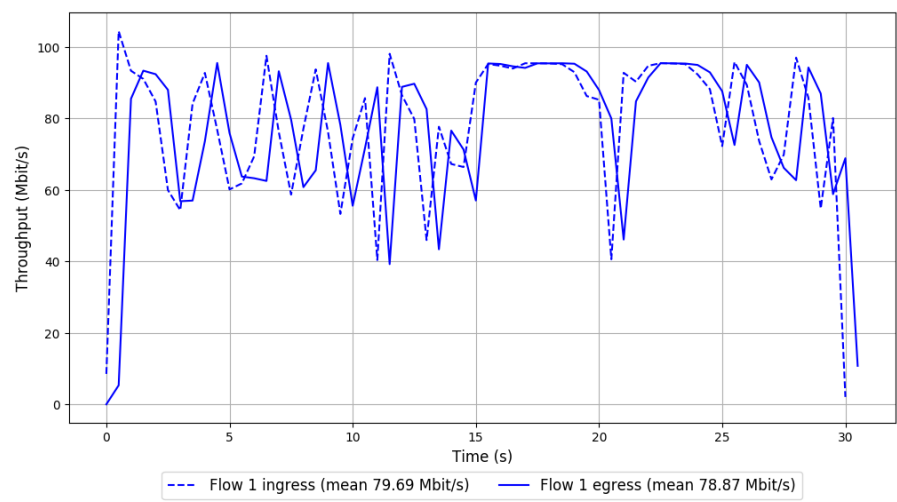


Run 3: Statistics of Copa

Start at: 2018-08-09 01:59:28
End at: 2018-08-09 01:59:58
Local clock offset: -4.04 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2018-08-09 04:49:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 45.648 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 45.648 ms
Loss rate: 0.99%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-09 02:21:46

End at: 2018-08-09 02:22:16

Local clock offset: -2.732 ms

Remote clock offset: 1.118 ms

Below is generated by plot.py at 2018-08-09 04:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.75 Mbit/s

95th percentile per-packet one-way delay: 49.811 ms

Loss rate: 0.45%

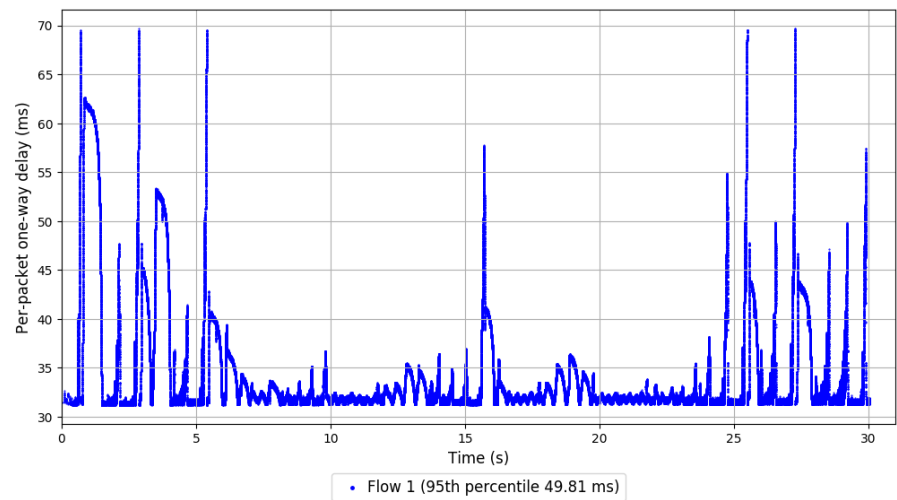
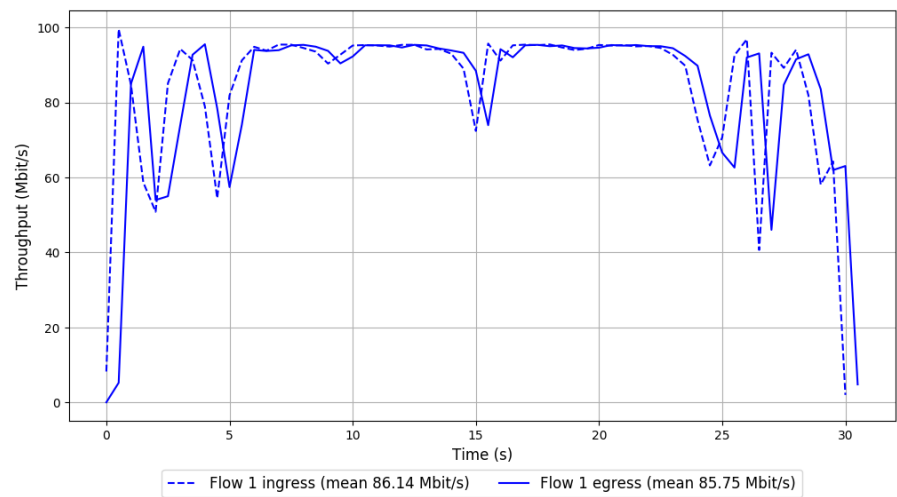
-- Flow 1:

Average throughput: 85.75 Mbit/s

95th percentile per-packet one-way delay: 49.811 ms

Loss rate: 0.45%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 02:44:16

End at: 2018-08-09 02:44:46

Local clock offset: -0.298 ms

Remote clock offset: 0.44 ms

Below is generated by plot.py at 2018-08-09 04:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.34 Mbit/s

95th percentile per-packet one-way delay: 45.700 ms

Loss rate: 0.95%

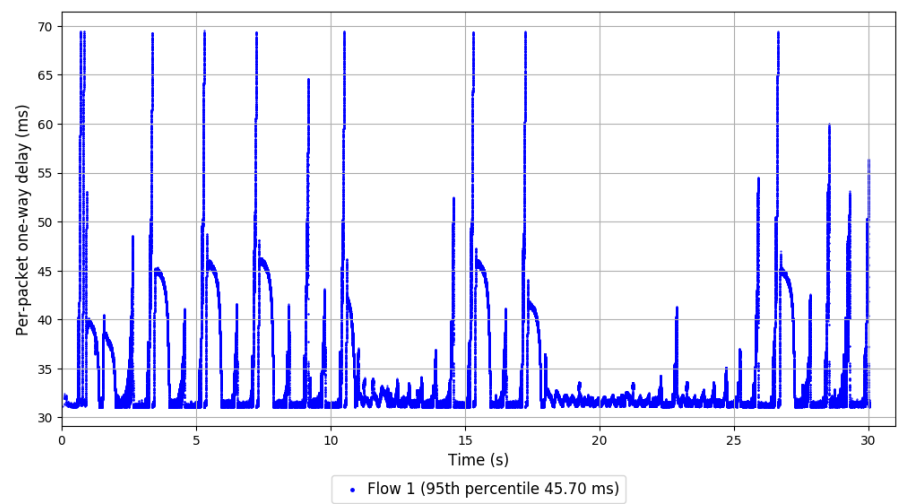
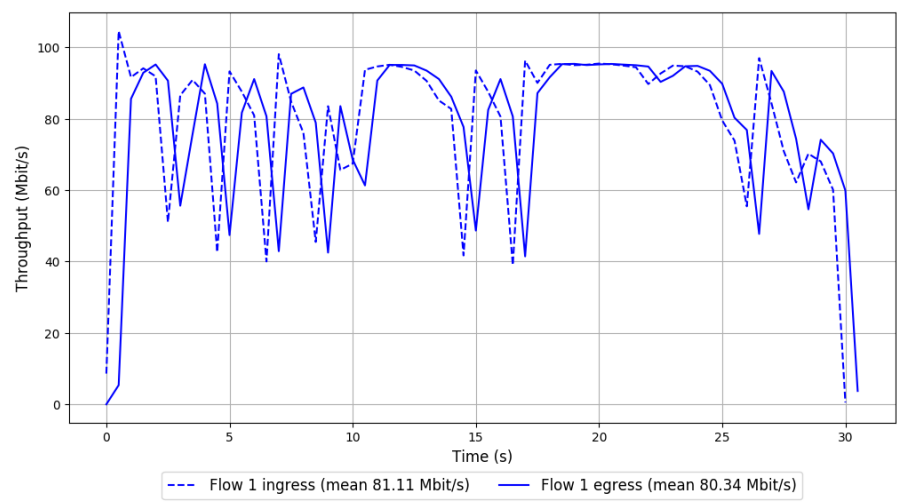
-- Flow 1:

Average throughput: 80.34 Mbit/s

95th percentile per-packet one-way delay: 45.700 ms

Loss rate: 0.95%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-09 03:06:49

End at: 2018-08-09 03:07:19

Local clock offset: 0.308 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-08-09 04:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.79 Mbit/s

95th percentile per-packet one-way delay: 47.379 ms

Loss rate: 0.78%

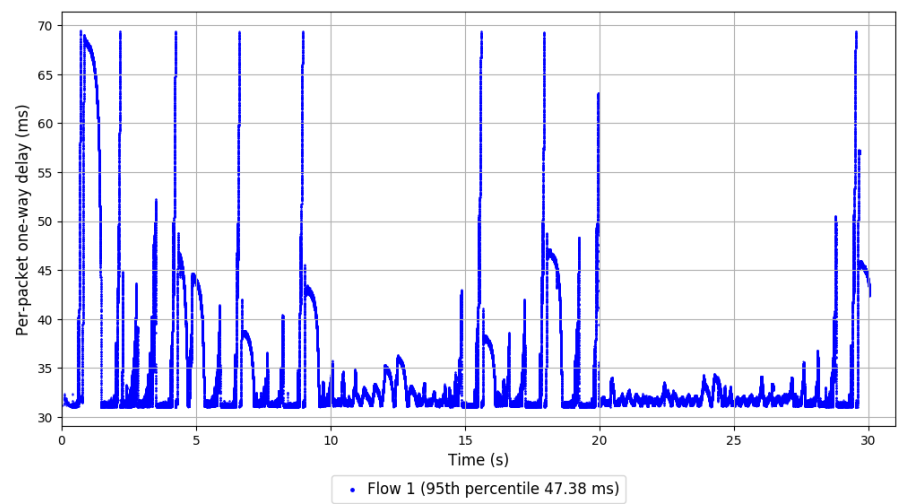
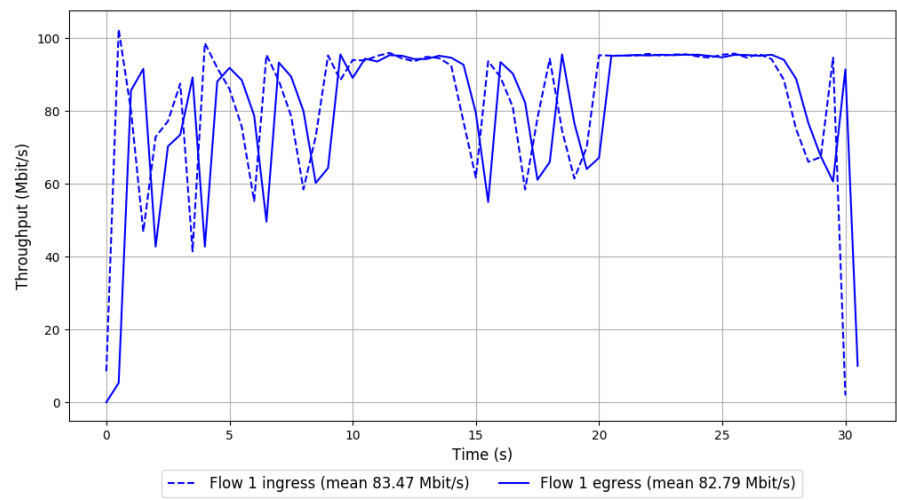
-- Flow 1:

Average throughput: 82.79 Mbit/s

95th percentile per-packet one-way delay: 47.379 ms

Loss rate: 0.78%

Run 6: Report of Copa — Data Link

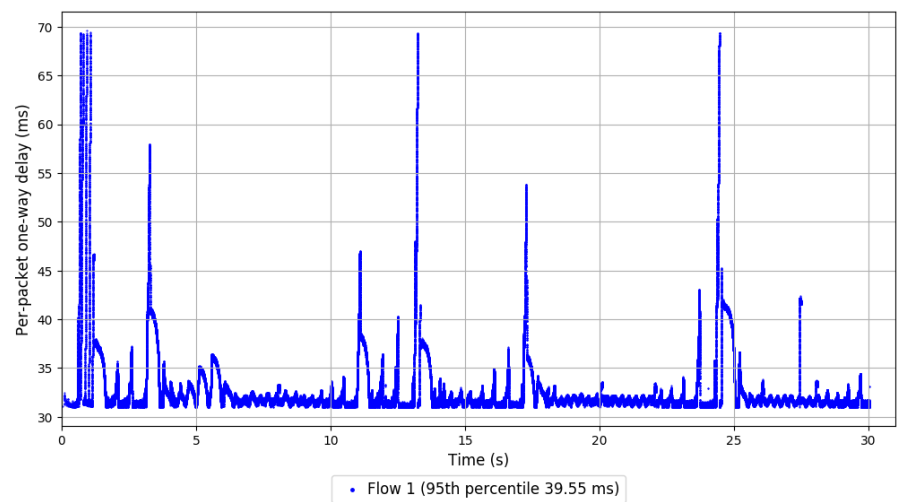
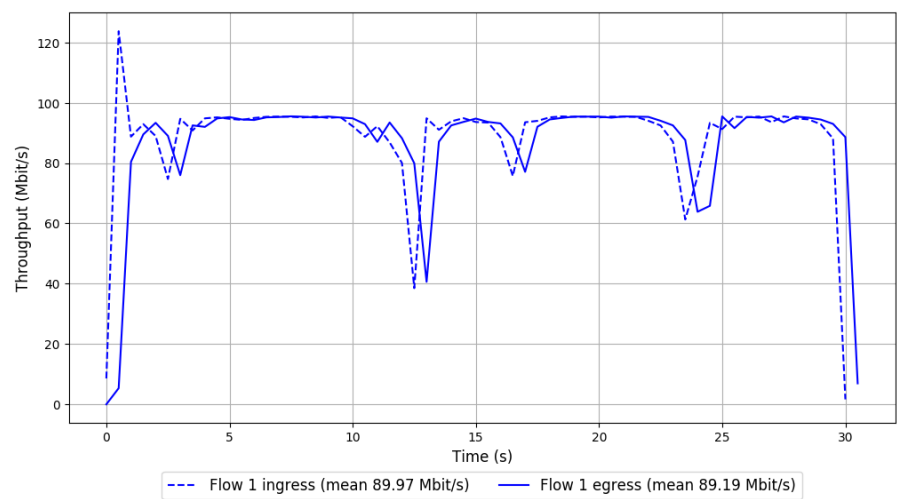


Run 7: Statistics of Copa

Start at: 2018-08-09 03:29:13
End at: 2018-08-09 03:29:44
Local clock offset: 0.258 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-08-09 04:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 39.547 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 39.547 ms
Loss rate: 0.86%

Run 7: Report of Copa — Data Link

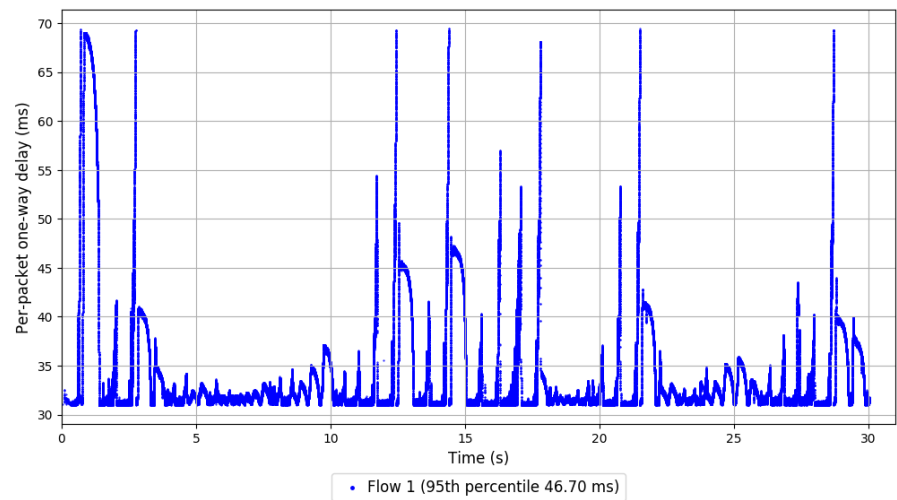
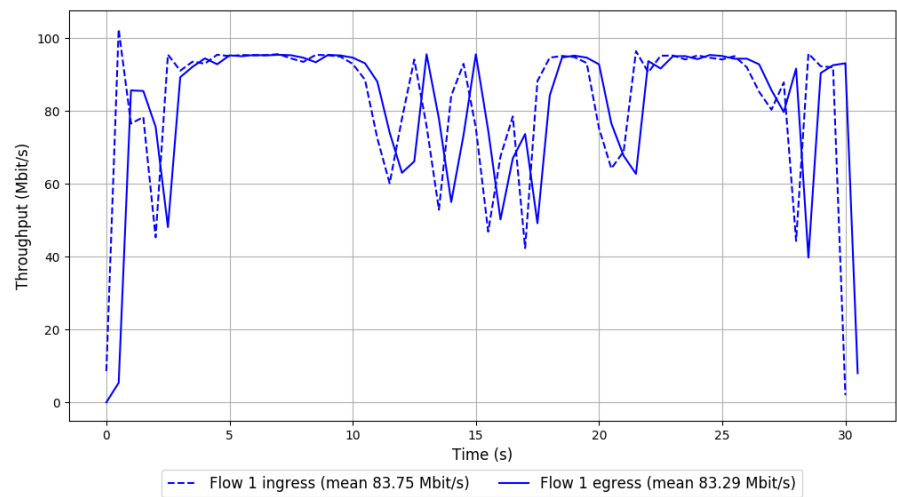


Run 8: Statistics of Copa

Start at: 2018-08-09 03:51:36
End at: 2018-08-09 03:52:06
Local clock offset: 0.268 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2018-08-09 04:50:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.29 Mbit/s
95th percentile per-packet one-way delay: 46.698 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 83.29 Mbit/s
95th percentile per-packet one-way delay: 46.698 ms
Loss rate: 0.55%

Run 8: Report of Copa — Data Link

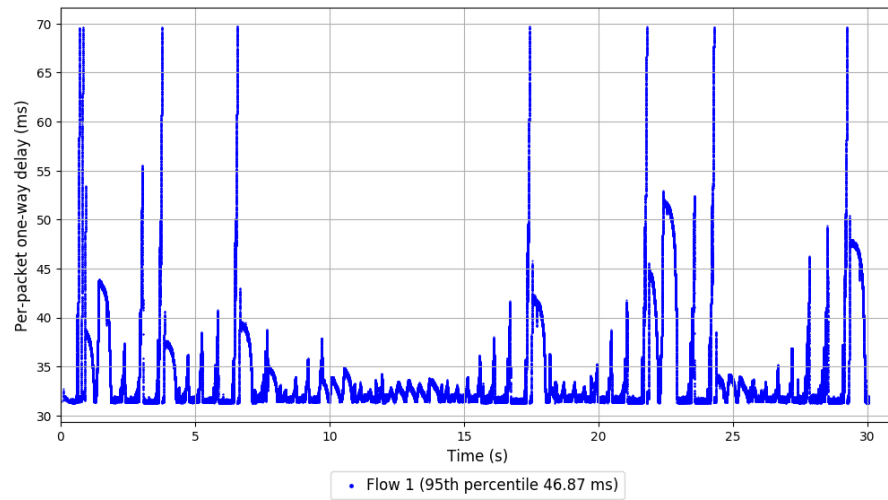
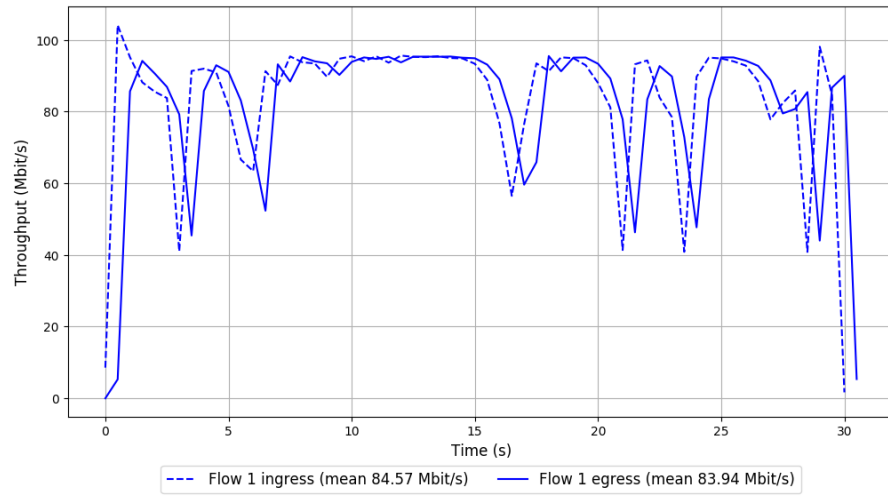


Run 9: Statistics of Copa

Start at: 2018-08-09 04:13:54
End at: 2018-08-09 04:14:24
Local clock offset: 0.22 ms
Remote clock offset: -1.563 ms

Below is generated by plot.py at 2018-08-09 04:51:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 46.865 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 46.865 ms
Loss rate: 0.74%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-09 04:36:23

End at: 2018-08-09 04:36:53

Local clock offset: 0.287 ms

Remote clock offset: -1.192 ms

Below is generated by plot.py at 2018-08-09 04:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 43.733 ms

Loss rate: 0.51%

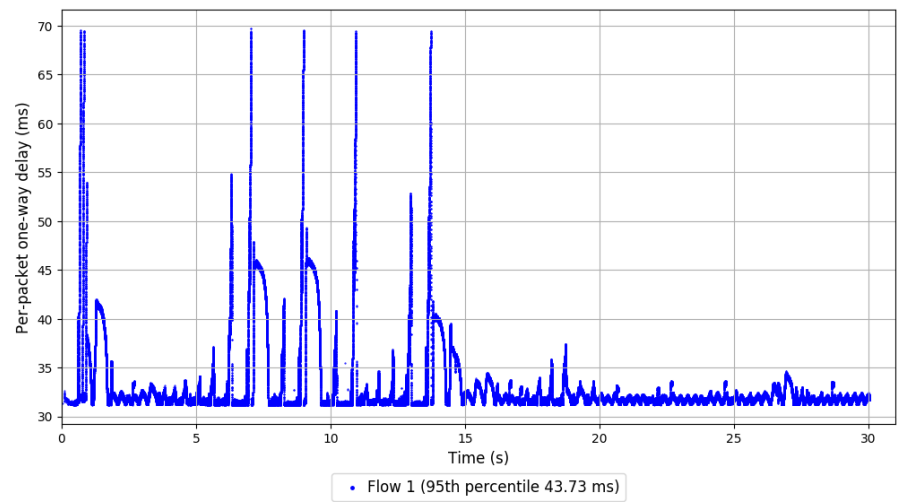
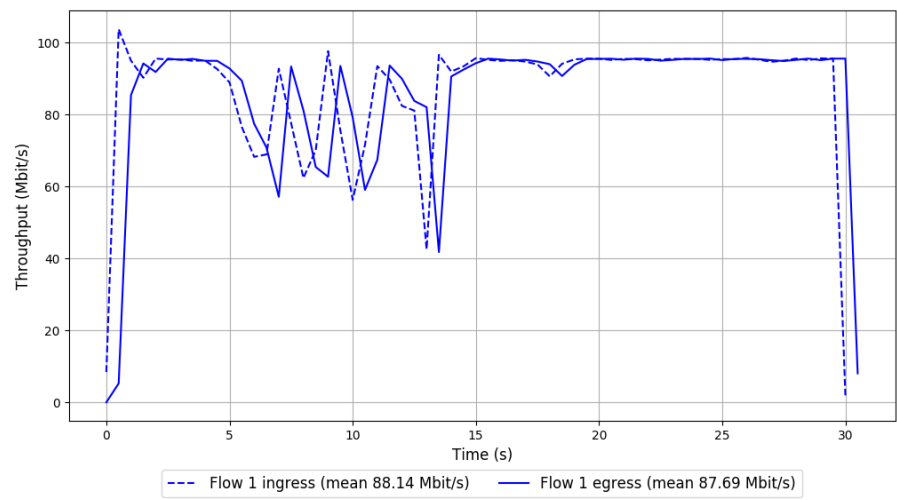
-- Flow 1:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 43.733 ms

Loss rate: 0.51%

Run 10: Report of Copa — Data Link

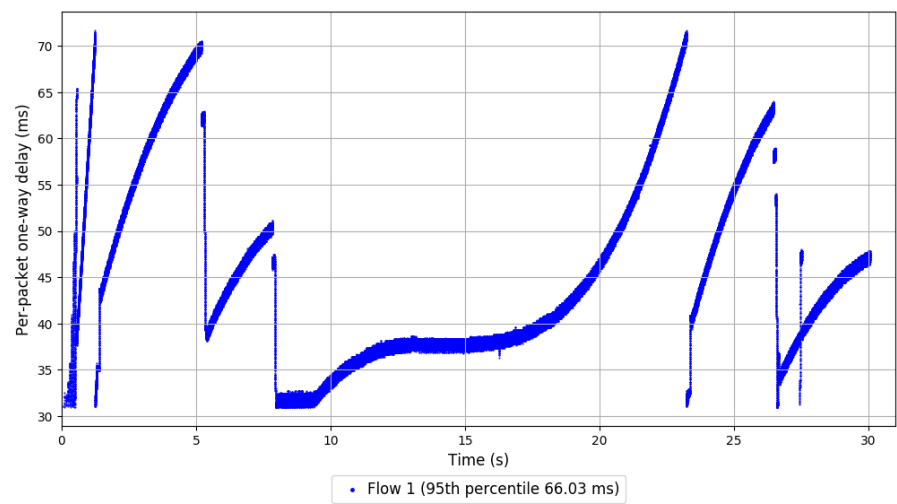
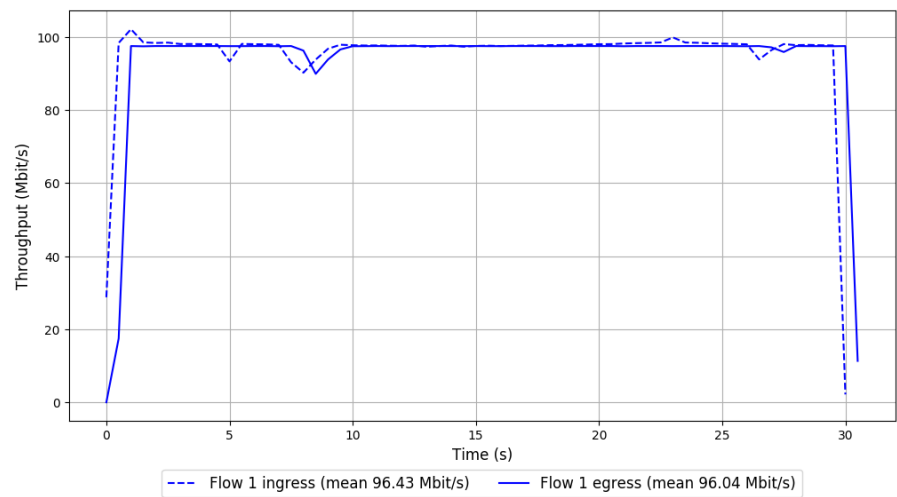


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 01:07:05
End at: 2018-08-09 01:07:35
Local clock offset: -7.727 ms
Remote clock offset: -1.817 ms

Below is generated by plot.py at 2018-08-09 04:51:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 66.030 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 66.030 ms
Loss rate: 0.35%

Run 1: Report of TCP Cubic — Data Link

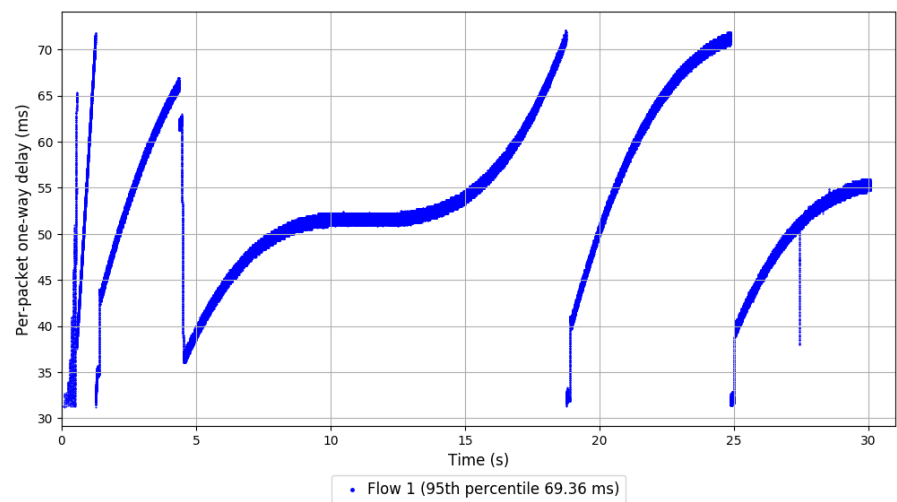
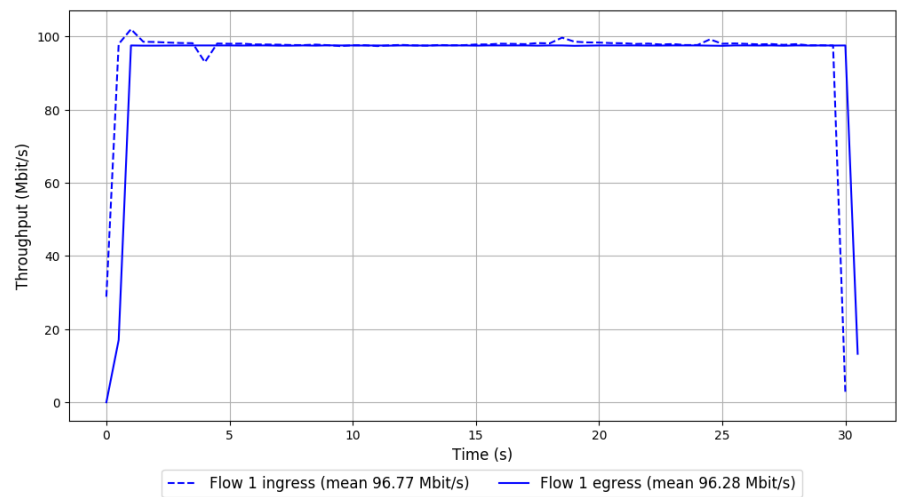


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 01:29:18
End at: 2018-08-09 01:29:48
Local clock offset: -3.273 ms
Remote clock offset: -2.884 ms

Below is generated by plot.py at 2018-08-09 04:51:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 69.356 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 69.356 ms
Loss rate: 0.42%

Run 2: Report of TCP Cubic — Data Link

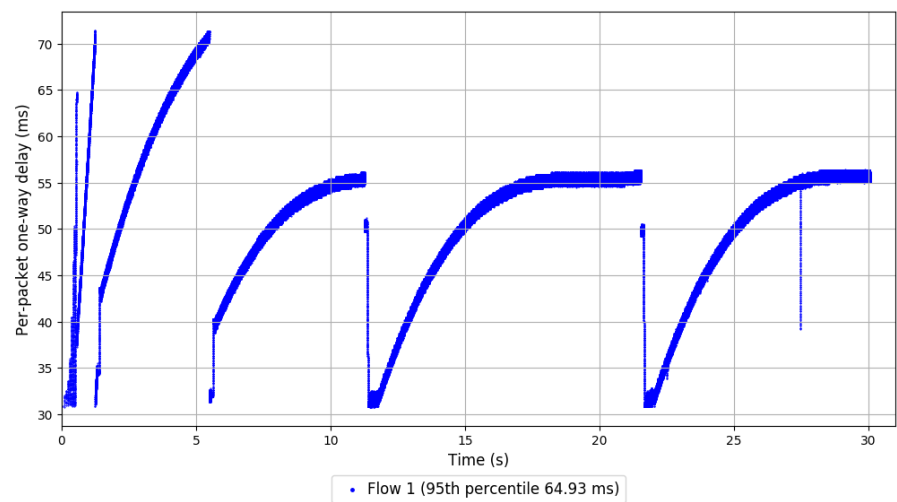
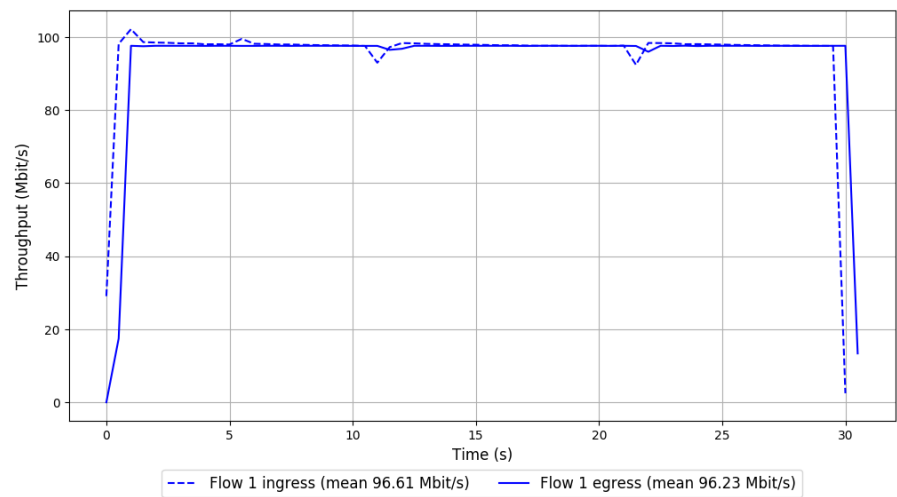


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 01:51:39
End at: 2018-08-09 01:52:09
Local clock offset: -3.442 ms
Remote clock offset: -2.273 ms

Below is generated by plot.py at 2018-08-09 04:51:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 64.927 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 64.927 ms
Loss rate: 0.31%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 02:13:56

End at: 2018-08-09 02:14:26

Local clock offset: -5.338 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-08-09 04:51:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 66.040 ms

Loss rate: 0.18%

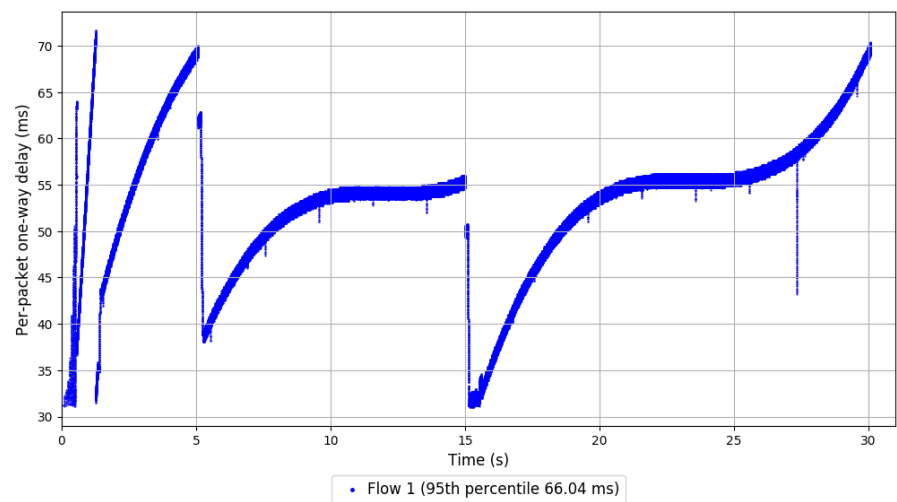
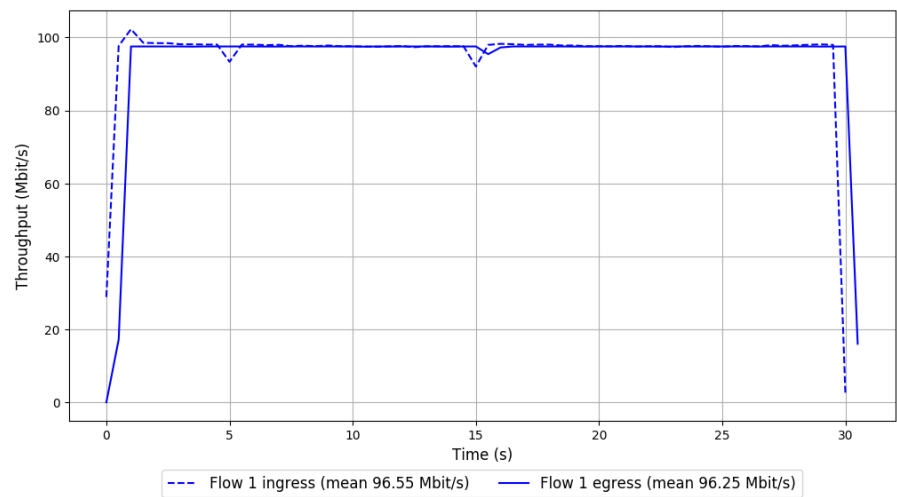
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 66.040 ms

Loss rate: 0.18%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 02:36:21

End at: 2018-08-09 02:36:51

Local clock offset: -0.494 ms

Remote clock offset: 1.64 ms

Below is generated by plot.py at 2018-08-09 04:51:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 68.974 ms

Loss rate: 0.42%

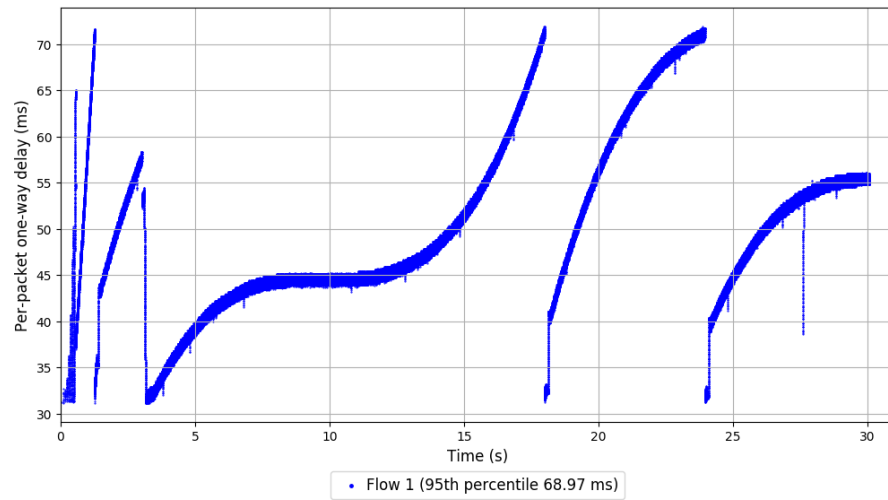
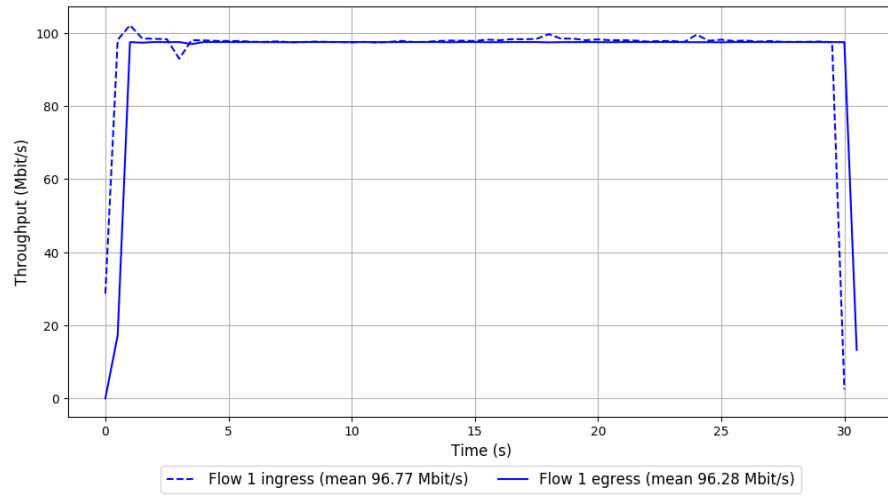
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 68.974 ms

Loss rate: 0.42%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 02:58:54

End at: 2018-08-09 02:59:24

Local clock offset: 0.233 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-08-09 04:51:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 65.111 ms

Loss rate: 0.19%

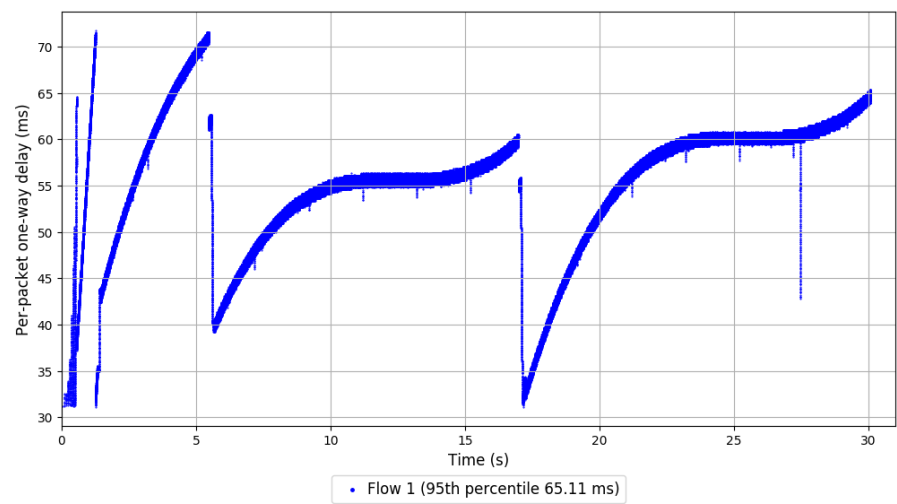
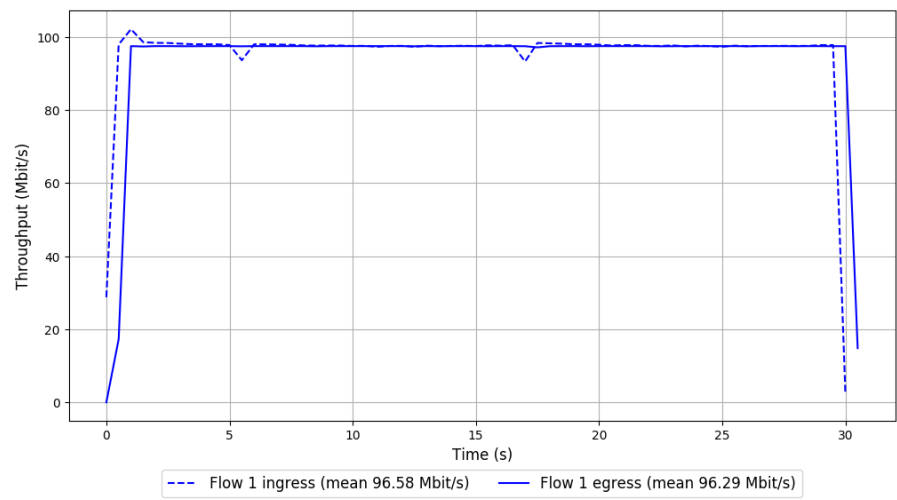
-- Flow 1:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 65.111 ms

Loss rate: 0.19%

Run 6: Report of TCP Cubic — Data Link

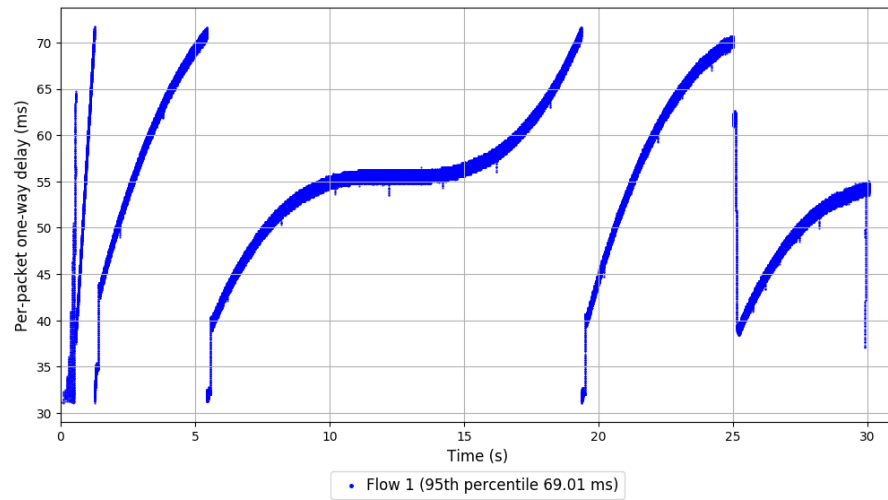
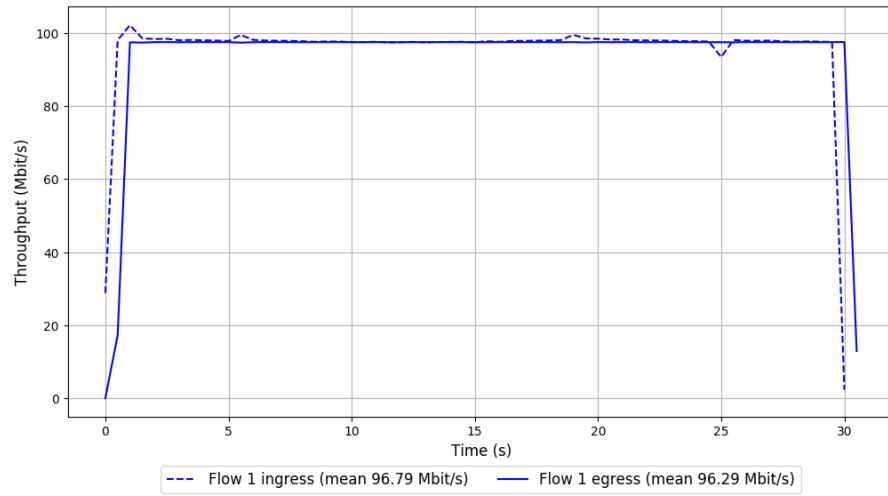


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 03:21:25
End at: 2018-08-09 03:21:55
Local clock offset: 0.289 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2018-08-09 04:51:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 69.006 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 69.006 ms
Loss rate: 0.44%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 03:43:45

End at: 2018-08-09 03:44:15

Local clock offset: 0.064 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2018-08-09 04:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 65.181 ms

Loss rate: 0.32%

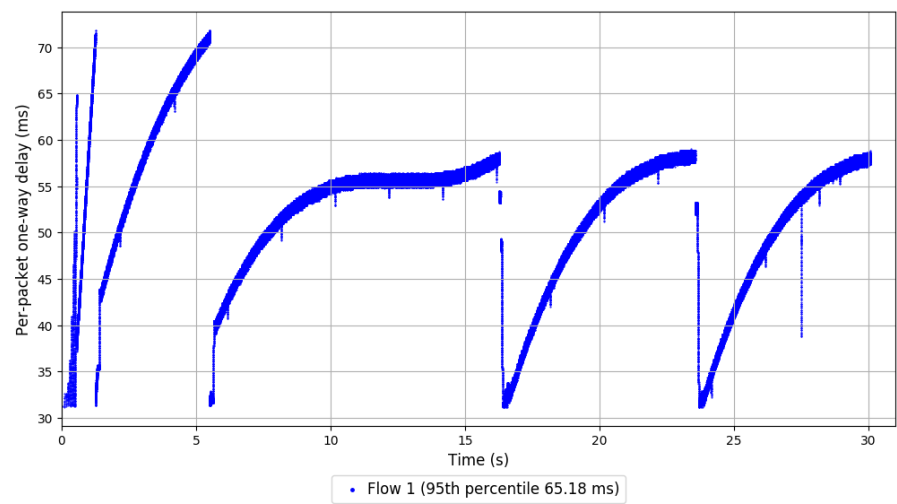
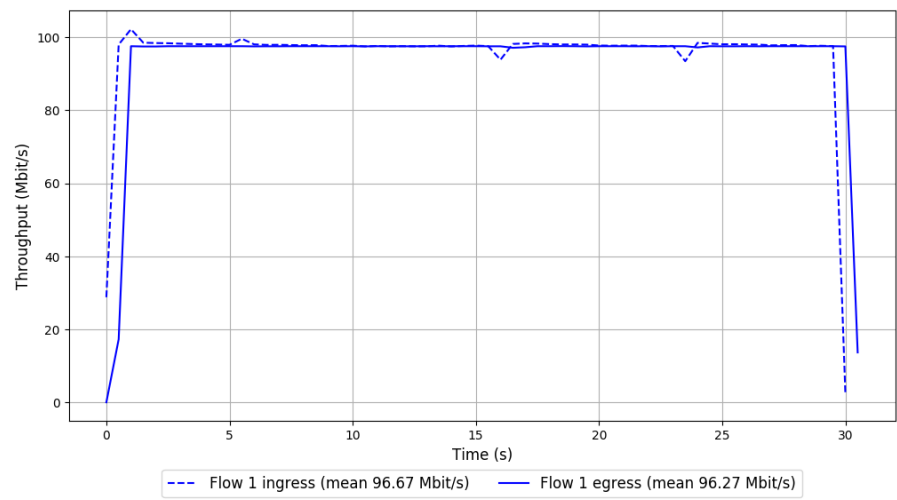
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 65.181 ms

Loss rate: 0.32%

Run 8: Report of TCP Cubic — Data Link

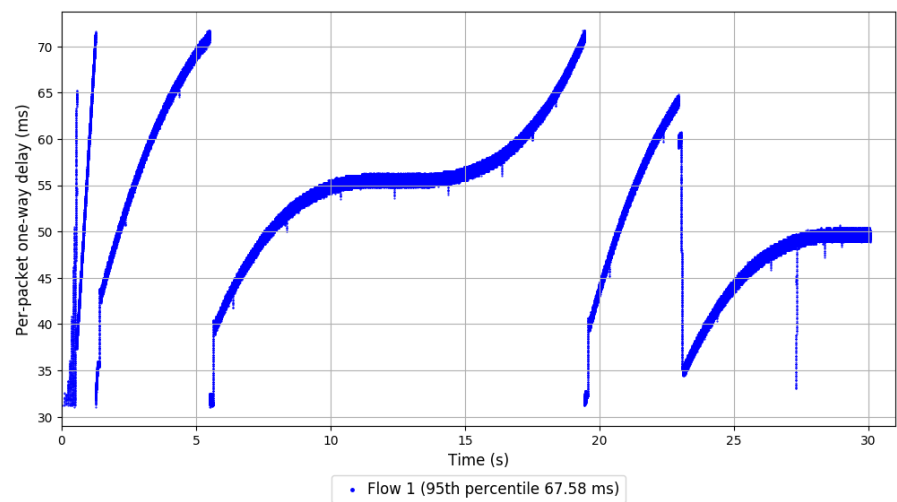
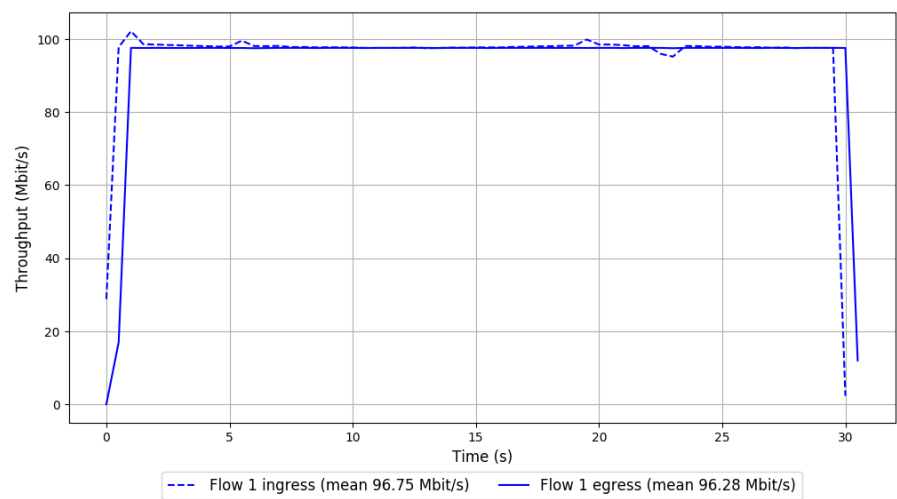


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 04:06:05
End at: 2018-08-09 04:06:35
Local clock offset: 0.227 ms
Remote clock offset: -1.477 ms

Below is generated by plot.py at 2018-08-09 04:51:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 67.585 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 67.585 ms
Loss rate: 0.42%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 04:28:21

End at: 2018-08-09 04:28:51

Local clock offset: 0.291 ms

Remote clock offset: -1.264 ms

Below is generated by plot.py at 2018-08-09 04:51:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.25 Mbit/s

95th percentile per-packet one-way delay: 66.111 ms

Loss rate: 0.36%

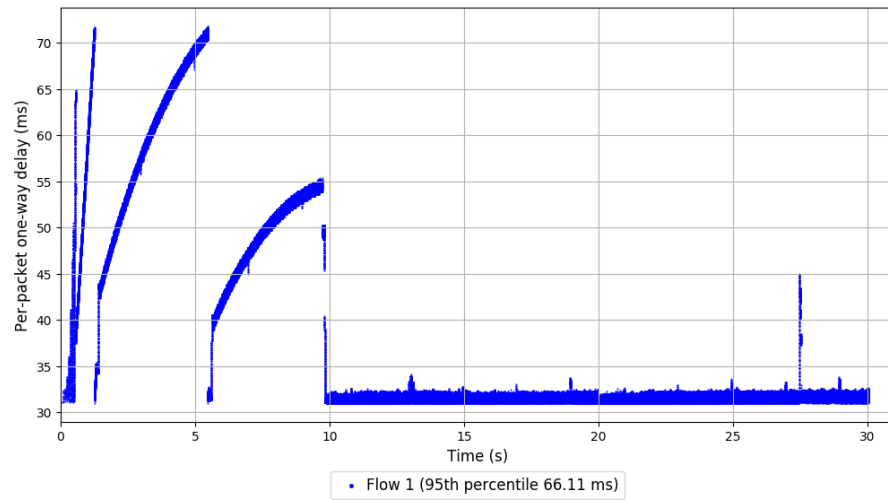
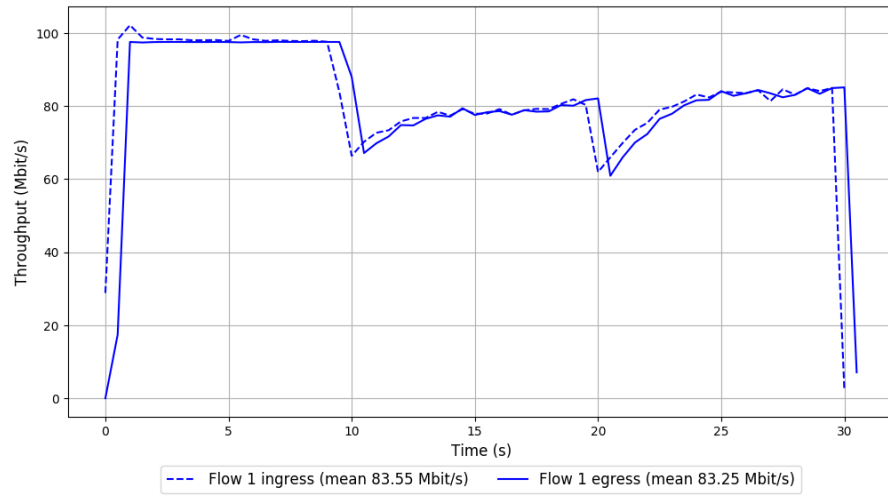
-- Flow 1:

Average throughput: 83.25 Mbit/s

95th percentile per-packet one-way delay: 66.111 ms

Loss rate: 0.36%

Run 10: Report of TCP Cubic — Data Link

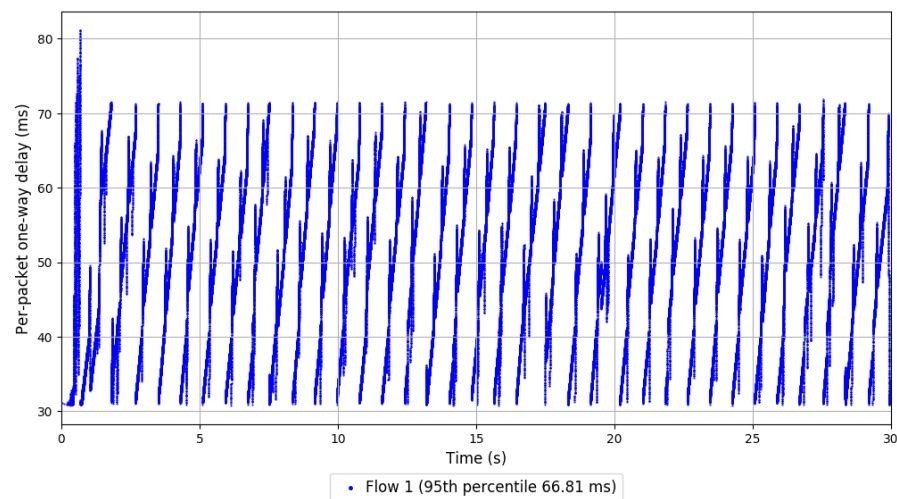
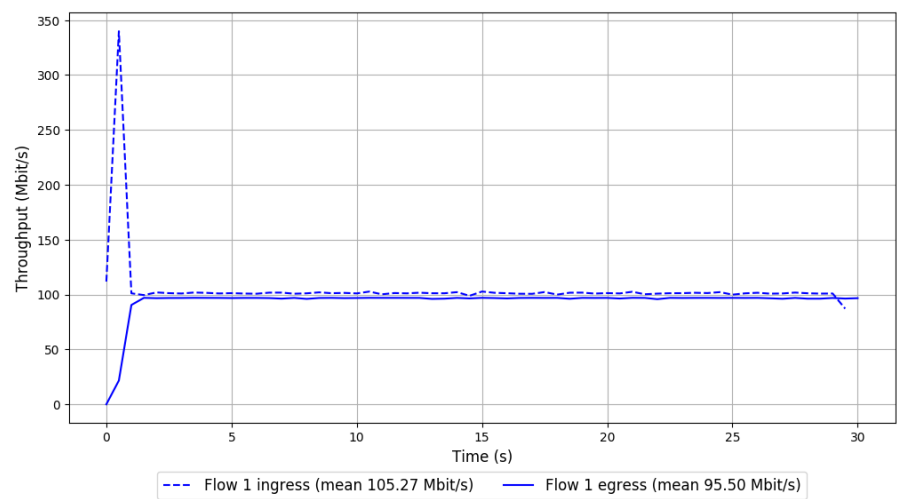


Run 1: Statistics of FillP

Start at: 2018-08-09 01:13:34
End at: 2018-08-09 01:14:04
Local clock offset: -8.983 ms
Remote clock offset: -2.192 ms

Below is generated by plot.py at 2018-08-09 04:52:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 66.813 ms
Loss rate: 9.27%
-- Flow 1:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 66.813 ms
Loss rate: 9.27%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-09 01:35:50

End at: 2018-08-09 01:36:20

Local clock offset: -2.851 ms

Remote clock offset: -2.8 ms

Below is generated by plot.py at 2018-08-09 04:52:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 66.548 ms

Loss rate: 9.04%

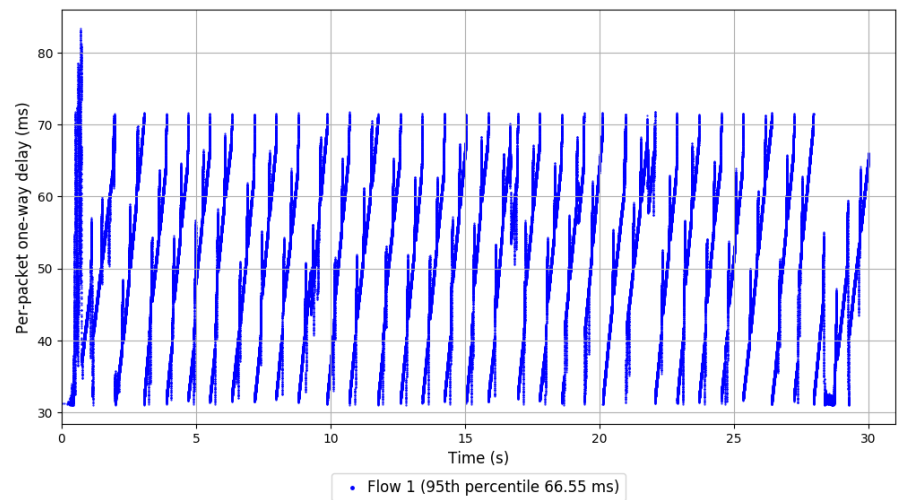
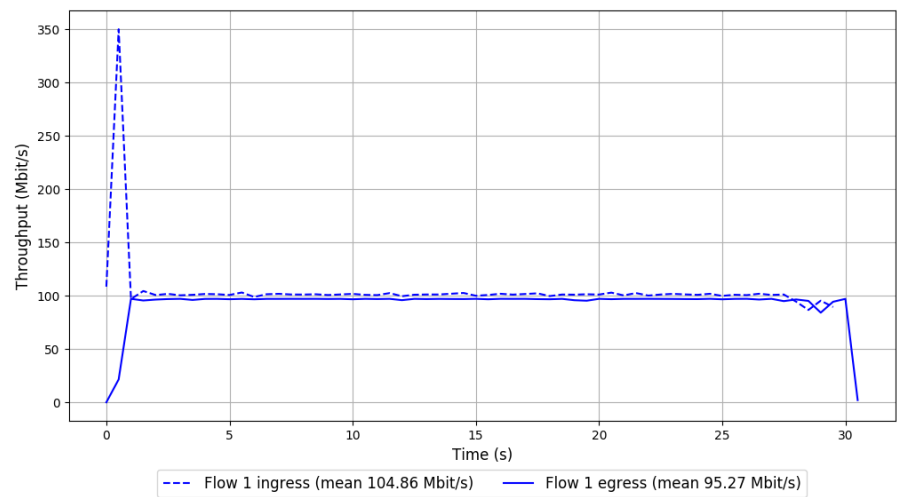
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 66.548 ms

Loss rate: 9.04%

Run 2: Report of FillP — Data Link

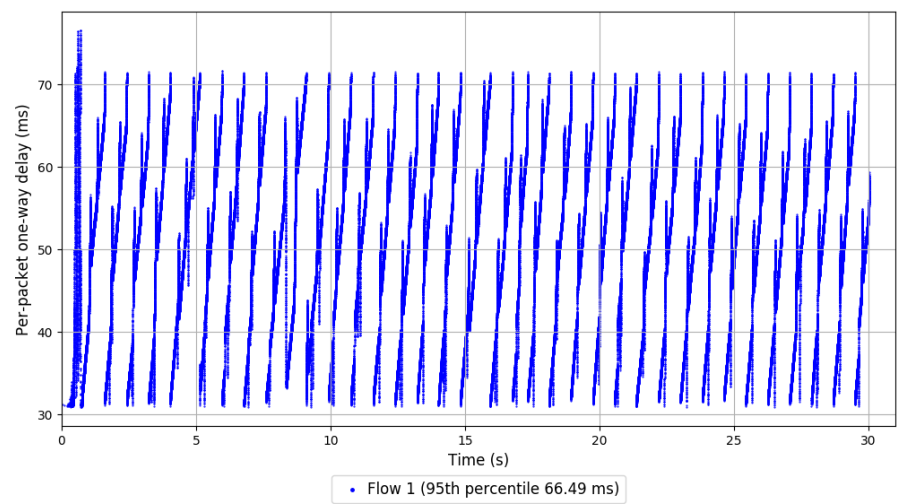
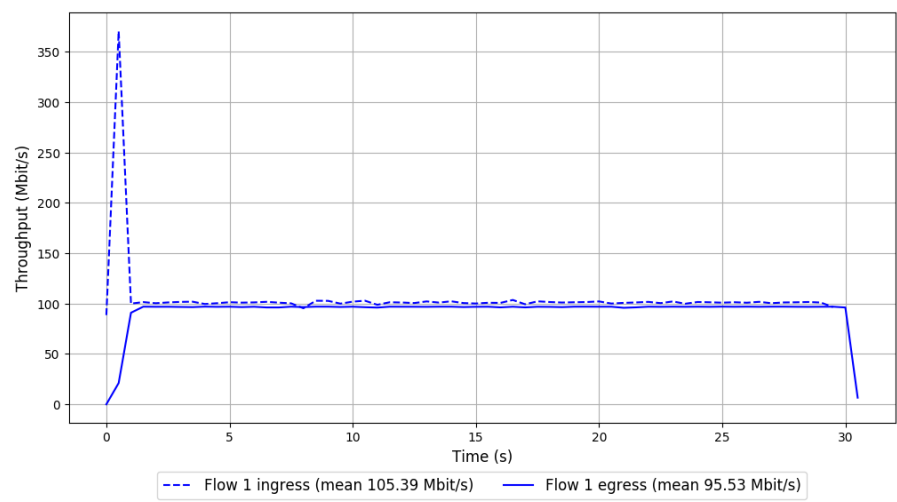


Run 3: Statistics of FillP

Start at: 2018-08-09 01:58:10
End at: 2018-08-09 01:58:40
Local clock offset: -3.863 ms
Remote clock offset: -1.736 ms

Below is generated by plot.py at 2018-08-09 04:53:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 66.491 ms
Loss rate: 9.27%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 66.491 ms
Loss rate: 9.27%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

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

End at: 2018-08-09 02:20:57

Local clock offset: -3.145 ms

Remote clock offset: 1.018 ms

Below is generated by plot.py at 2018-08-09 04:53:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 66.977 ms

Loss rate: 9.54%

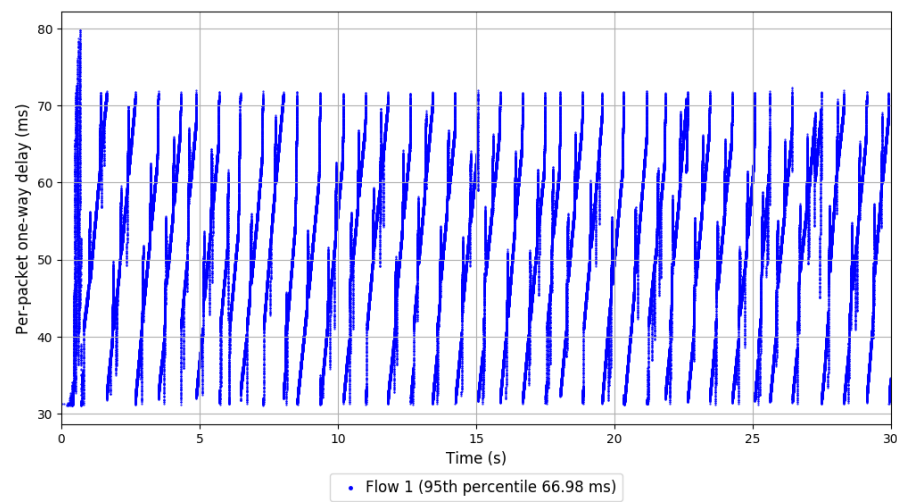
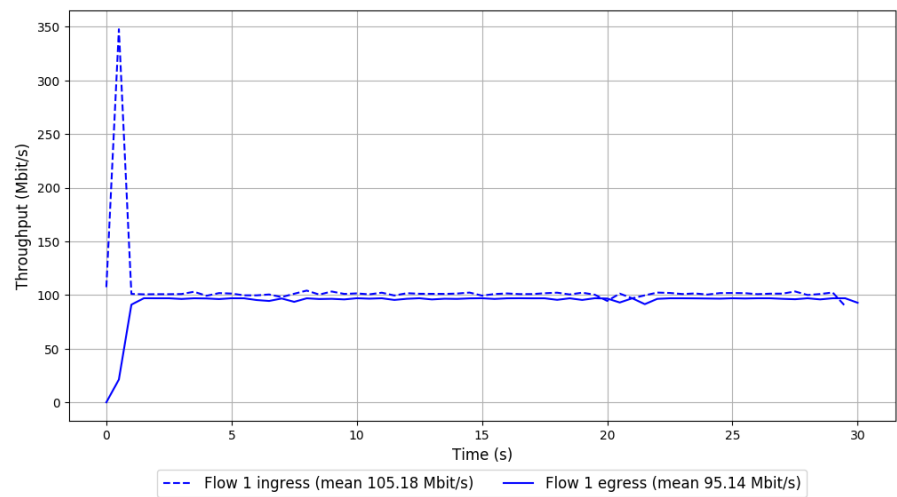
-- Flow 1:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 66.977 ms

Loss rate: 9.54%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-09 02:42:55

End at: 2018-08-09 02:43:26

Local clock offset: -0.381 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-08-09 04:53:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 66.390 ms

Loss rate: 9.14%

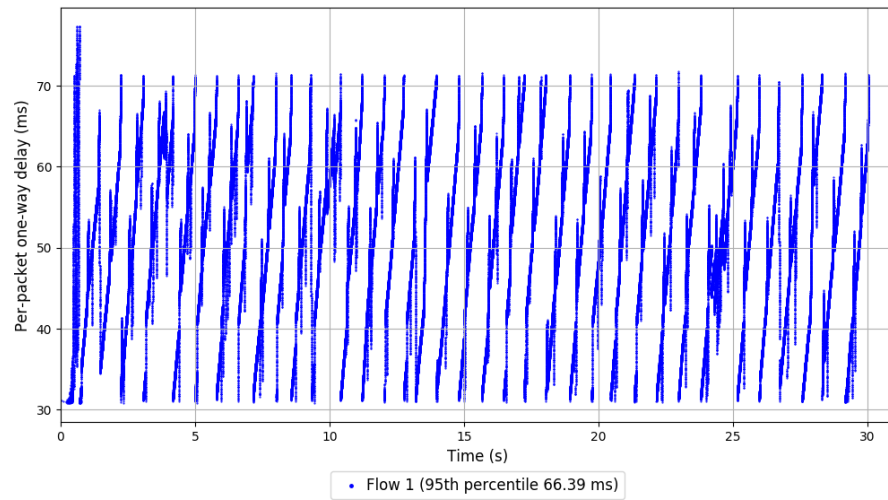
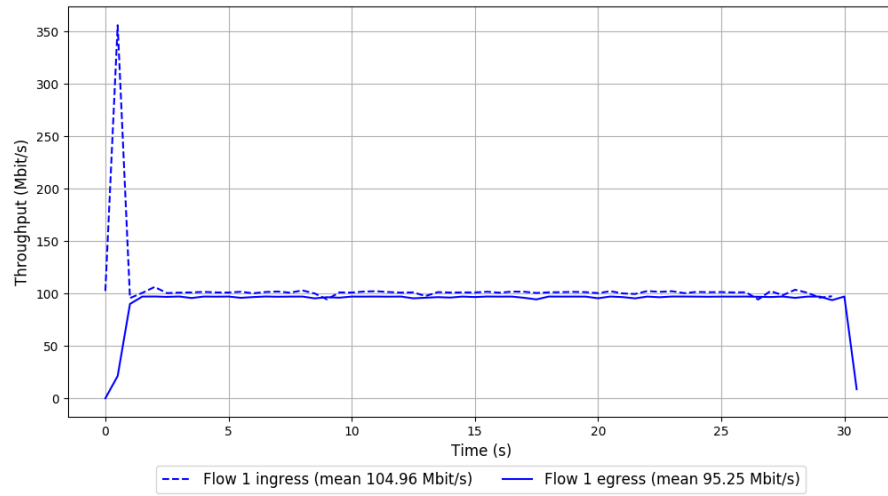
-- Flow 1:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 66.390 ms

Loss rate: 9.14%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 03:05:29

End at: 2018-08-09 03:05:59

Local clock offset: 0.305 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-08-09 04:53:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 65.928 ms

Loss rate: 9.30%

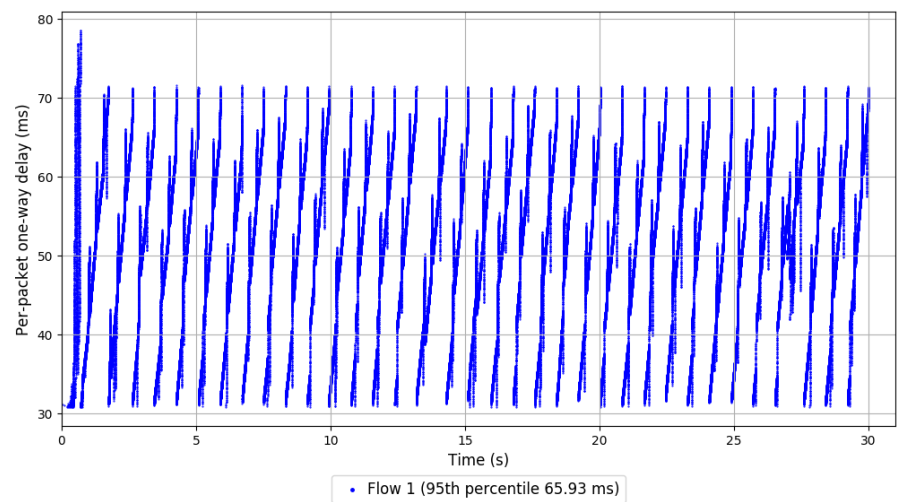
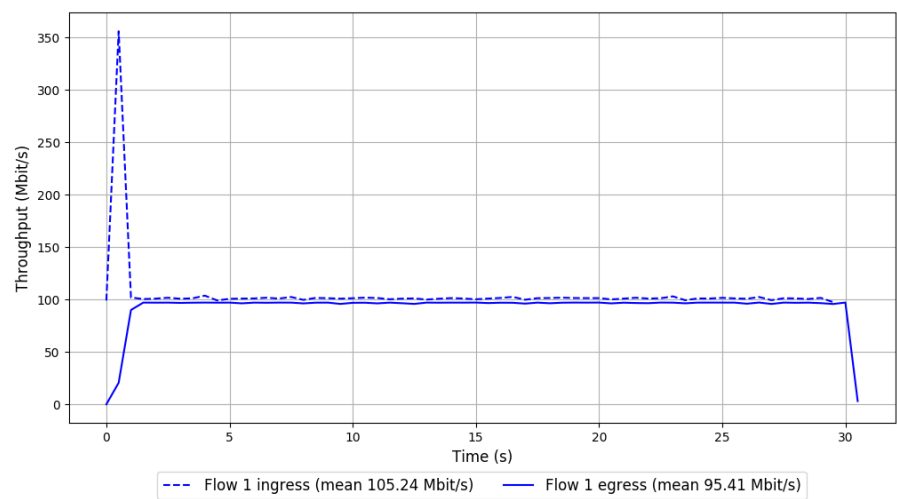
-- Flow 1:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 65.928 ms

Loss rate: 9.30%

Run 6: Report of FillP — Data Link

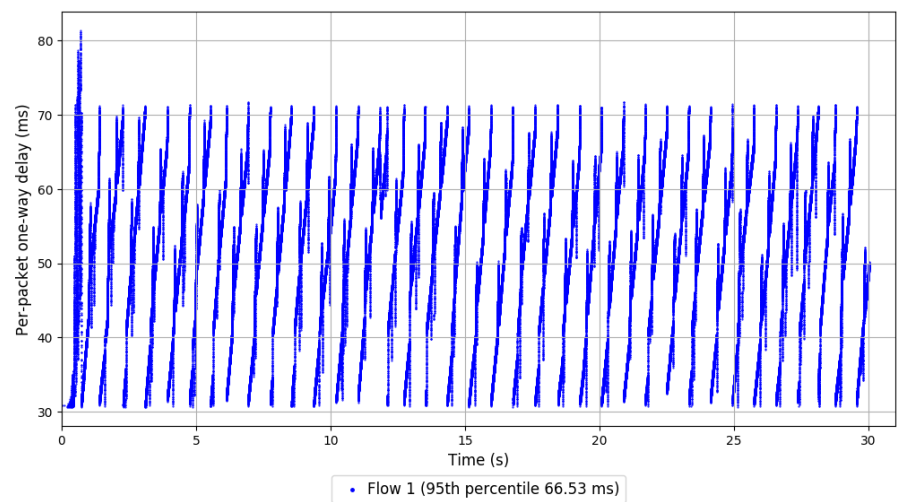
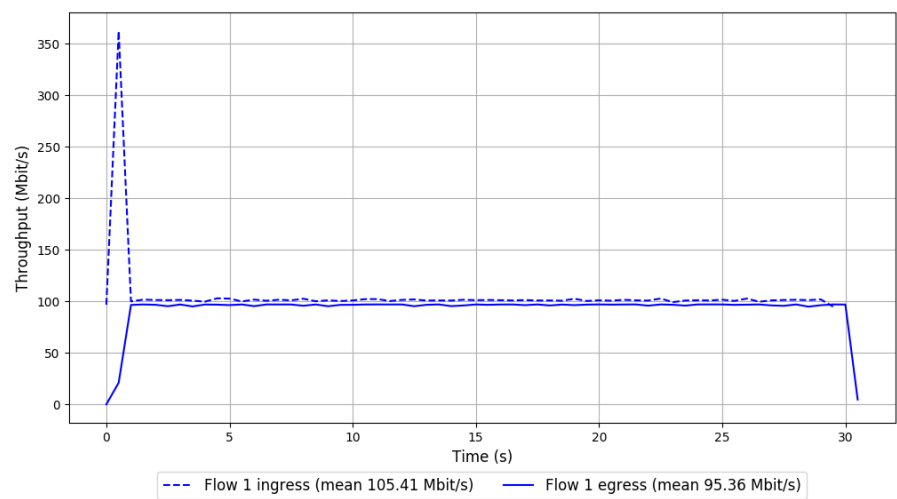


Run 7: Statistics of FillP

Start at: 2018-08-09 03:27:55
End at: 2018-08-09 03:28:25
Local clock offset: 0.274 ms
Remote clock offset: -0.661 ms

Below is generated by plot.py at 2018-08-09 04:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 66.531 ms
Loss rate: 9.47%
-- Flow 1:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 66.531 ms
Loss rate: 9.47%

Run 7: Report of FillP — Data Link

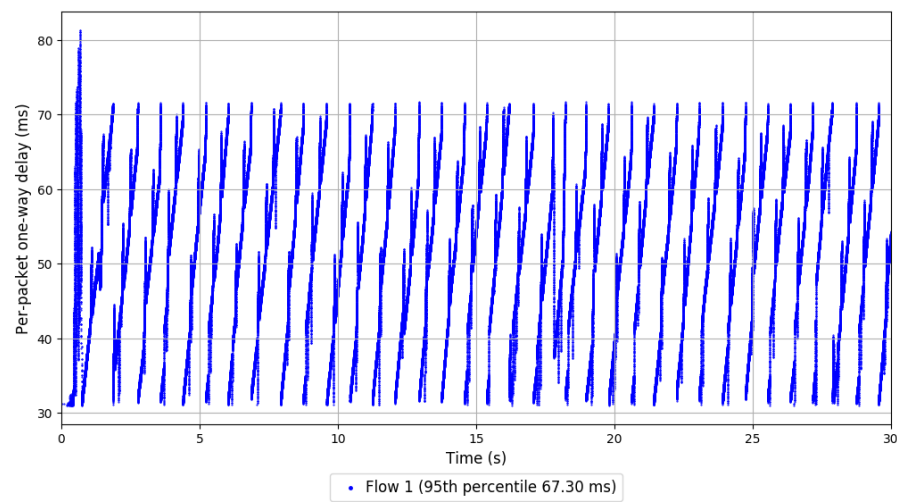
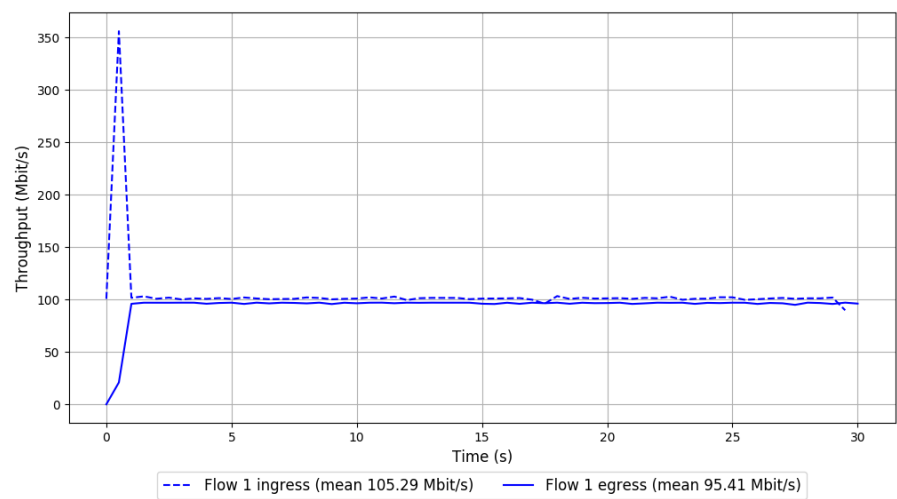


Run 8: Statistics of FillP

Start at: 2018-08-09 03:50:17
End at: 2018-08-09 03:50:47
Local clock offset: 0.149 ms
Remote clock offset: -0.881 ms

Below is generated by plot.py at 2018-08-09 04:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 67.297 ms
Loss rate: 9.31%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 67.297 ms
Loss rate: 9.31%

Run 8: Report of FillP — Data Link

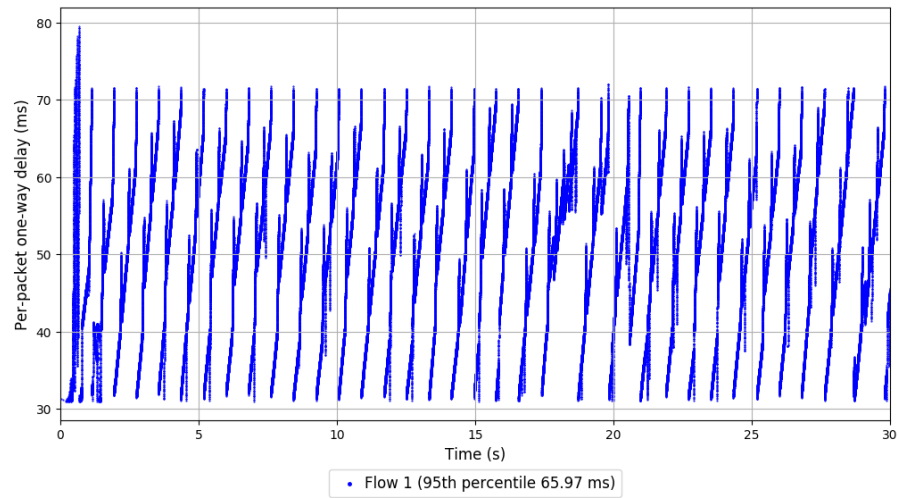
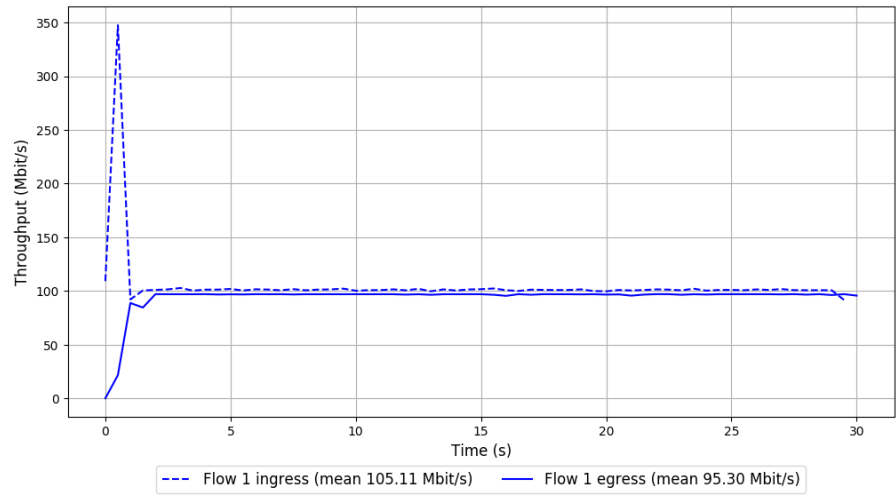


Run 9: Statistics of FillP

Start at: 2018-08-09 04:12:35
End at: 2018-08-09 04:13:05
Local clock offset: 0.332 ms
Remote clock offset: -1.576 ms

Below is generated by plot.py at 2018-08-09 04:54:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 65.967 ms
Loss rate: 9.29%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 65.967 ms
Loss rate: 9.29%

Run 9: Report of FillP — Data Link

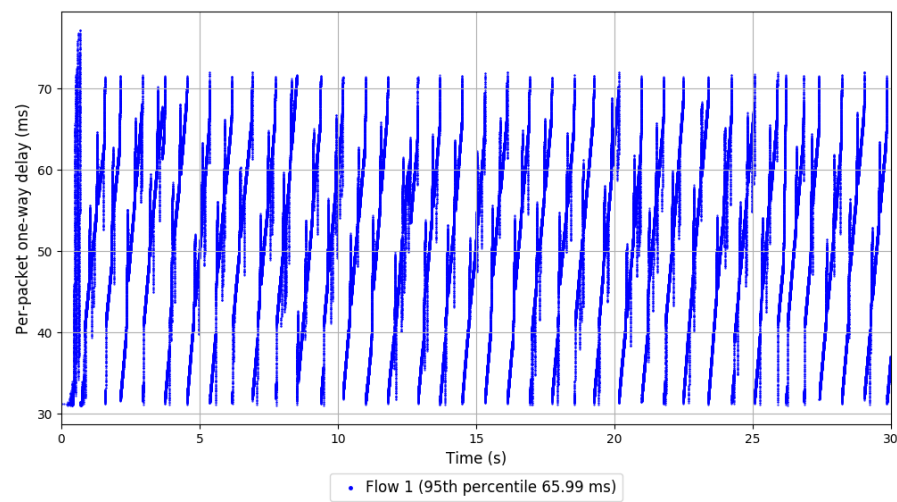
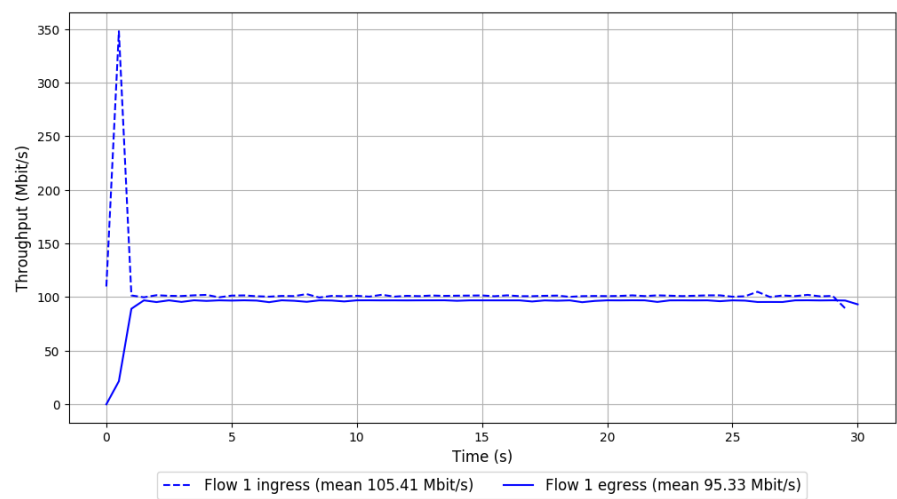


Run 10: Statistics of FillP

Start at: 2018-08-09 04:35:04
End at: 2018-08-09 04:35:34
Local clock offset: 0.291 ms
Remote clock offset: -1.234 ms

Below is generated by plot.py at 2018-08-09 04:54:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 65.987 ms
Loss rate: 9.55%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 65.987 ms
Loss rate: 9.55%

Run 10: Report of FillP — Data Link

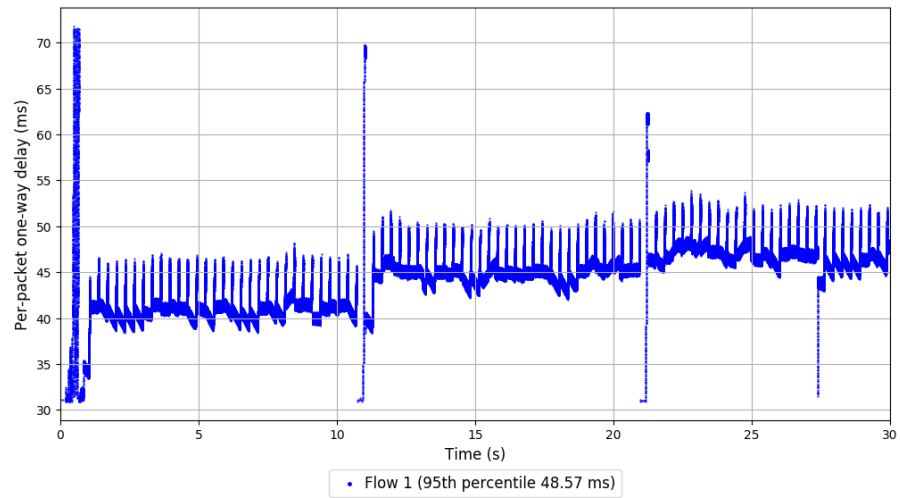
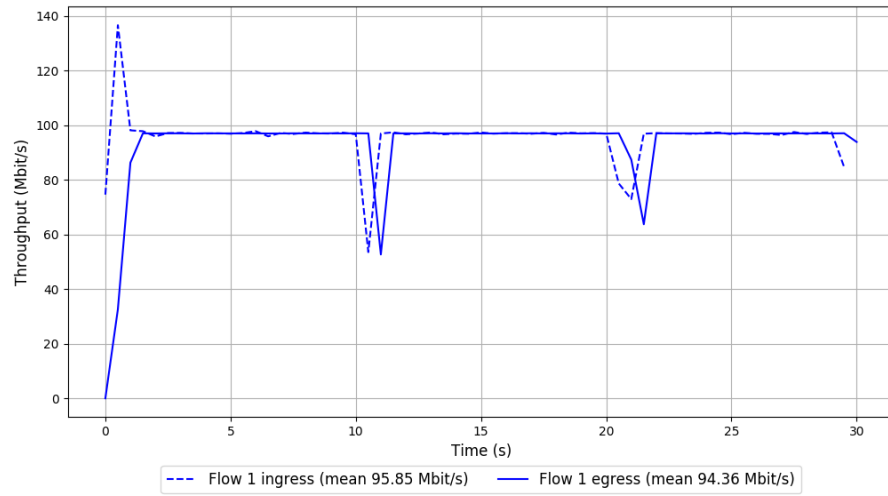


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 01:03:09
End at: 2018-08-09 01:03:39
Local clock offset: -7.272 ms
Remote clock offset: -1.612 ms

Below is generated by plot.py at 2018-08-09 04:54:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 48.568 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 48.568 ms
Loss rate: 1.49%

Run 1: Report of FillP-Sheep — Data Link

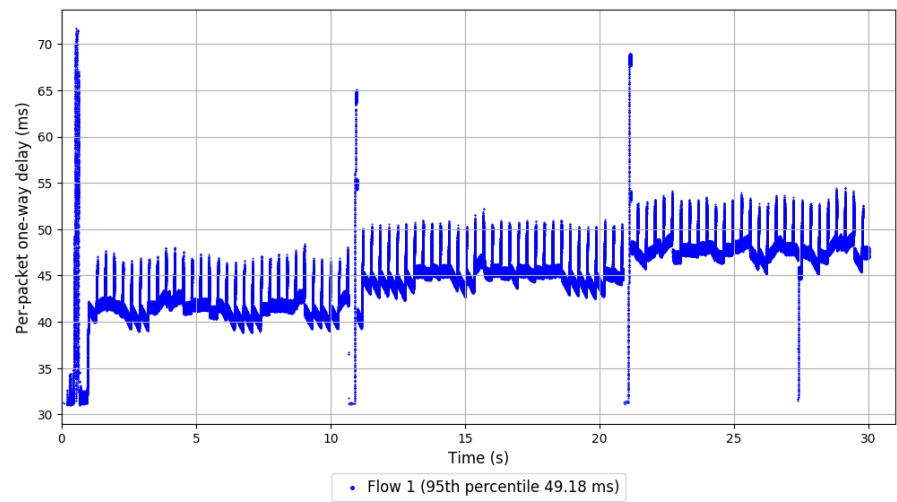
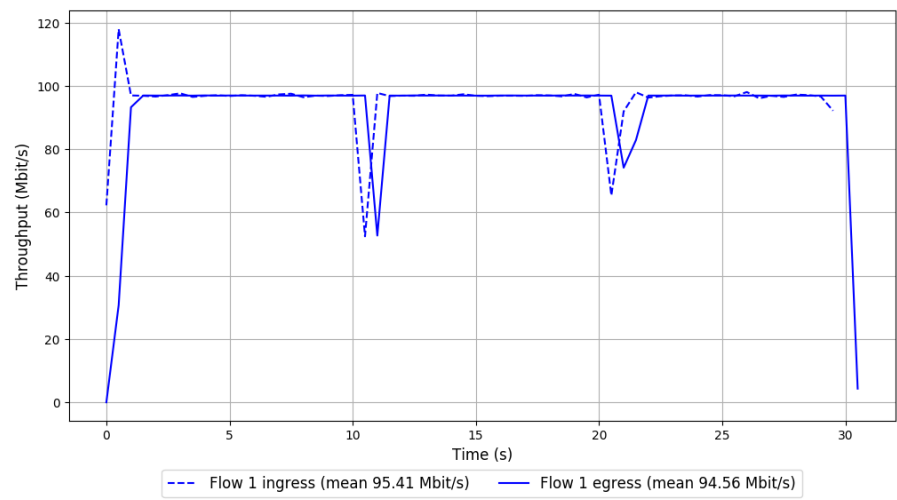


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 01:25:17
End at: 2018-08-09 01:25:47
Local clock offset: -3.949 ms
Remote clock offset: -2.849 ms

Below is generated by plot.py at 2018-08-09 04:54:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 49.183 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 49.183 ms
Loss rate: 0.84%

Run 2: Report of FillP-Sheep — Data Link

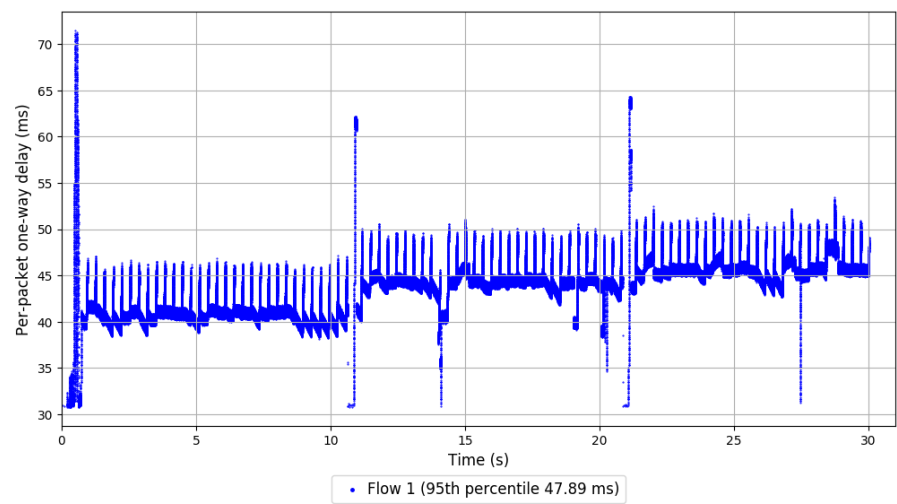
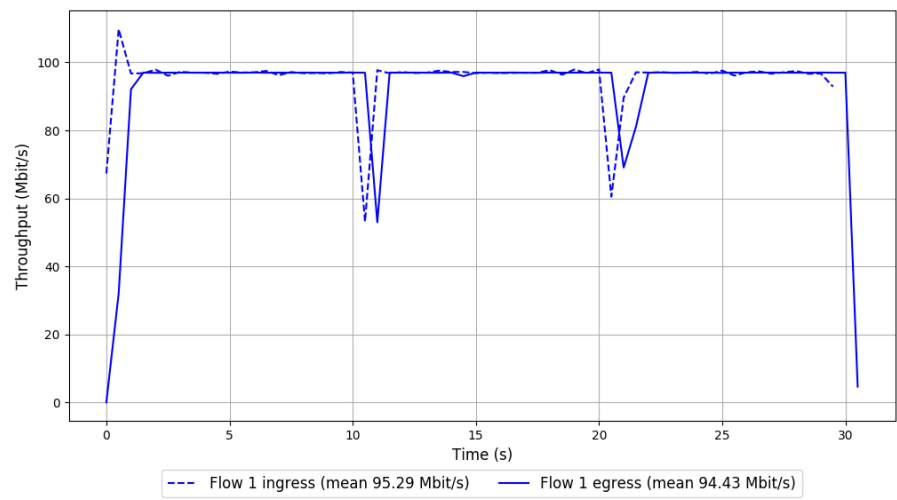


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 01:47:42
End at: 2018-08-09 01:48:12
Local clock offset: -3.305 ms
Remote clock offset: -2.292 ms

Below is generated by plot.py at 2018-08-09 04:54:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 47.889 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 47.889 ms
Loss rate: 0.84%

Run 3: Report of FillP-Sheep — Data Link

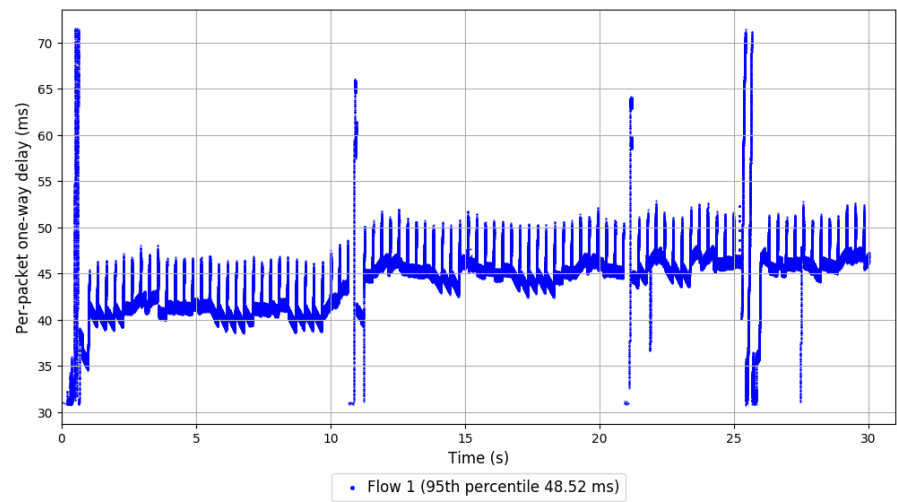
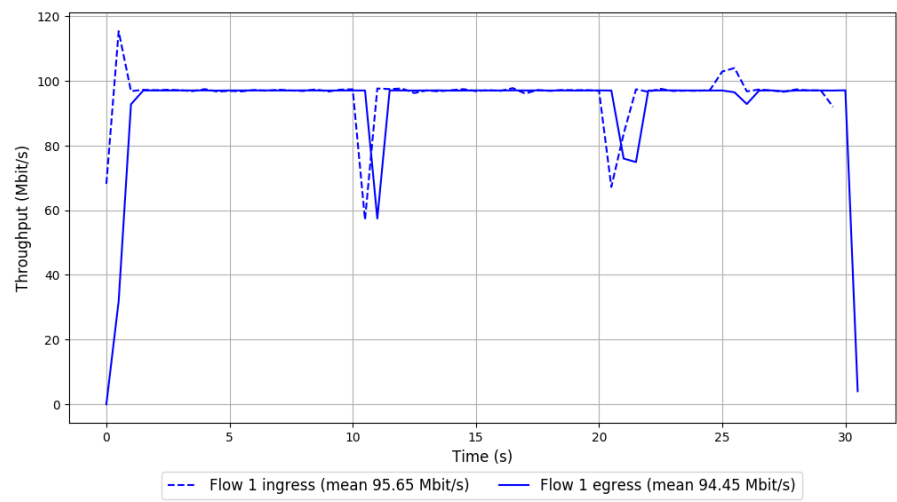


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 02:09:58
End at: 2018-08-09 02:10:28
Local clock offset: -4.981 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-09 04:54:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 48.516 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 48.516 ms
Loss rate: 1.19%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 02:32:20

End at: 2018-08-09 02:32:50

Local clock offset: -0.74 ms

Remote clock offset: 2.131 ms

Below is generated by plot.py at 2018-08-09 04:54:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 48.625 ms

Loss rate: 1.45%

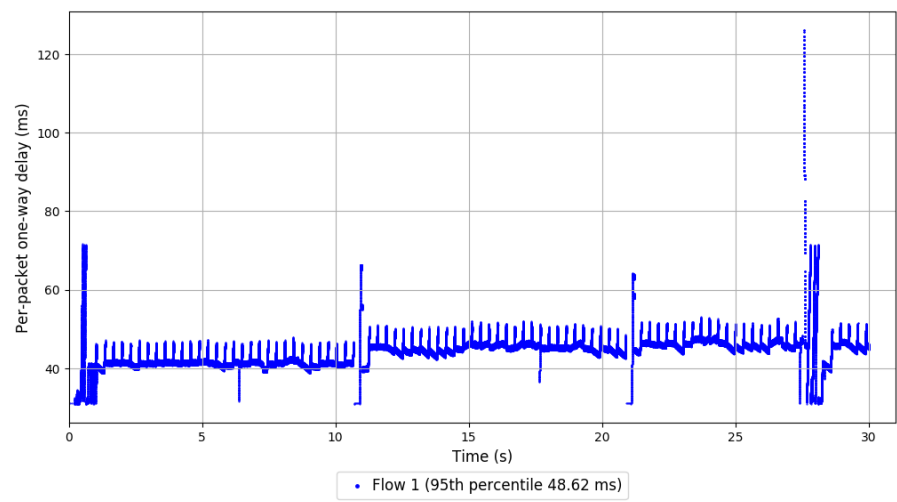
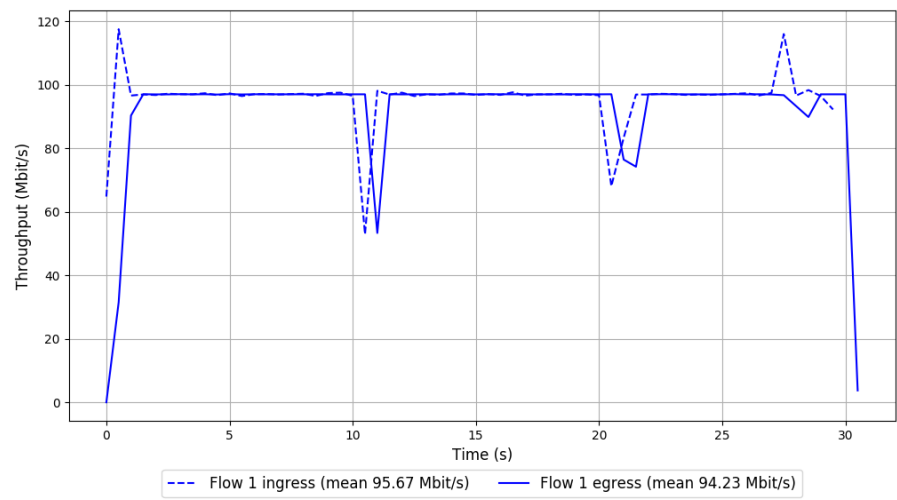
-- Flow 1:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 48.625 ms

Loss rate: 1.45%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 02:54:57

End at: 2018-08-09 02:55:27

Local clock offset: 0.183 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-08-09 04:54:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 47.927 ms

Loss rate: 0.89%

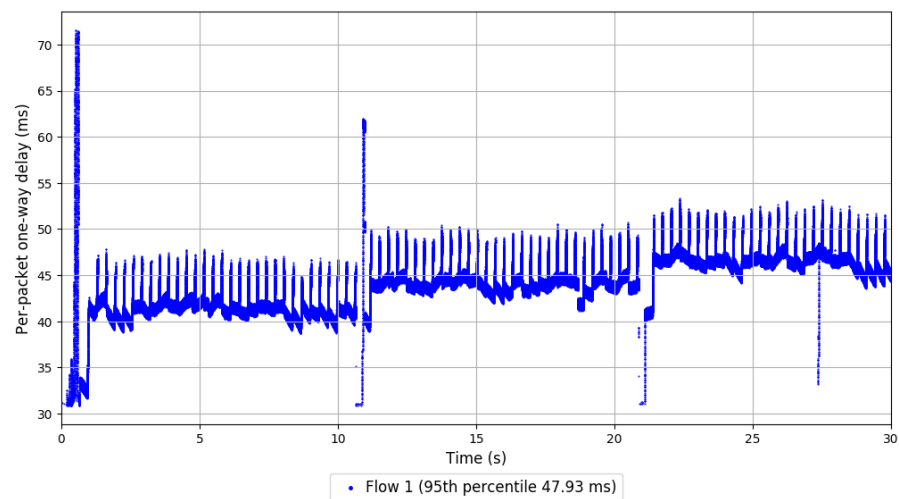
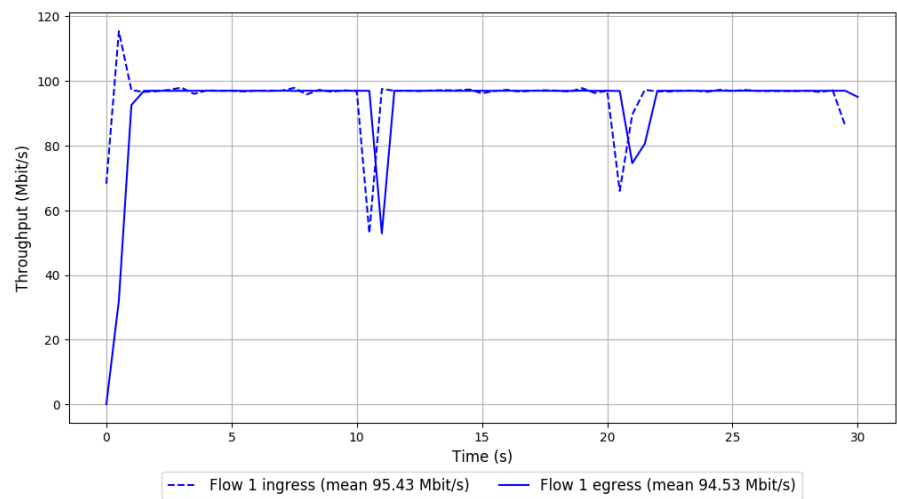
-- Flow 1:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 47.927 ms

Loss rate: 0.89%

Run 6: Report of FillP-Sheep — Data Link

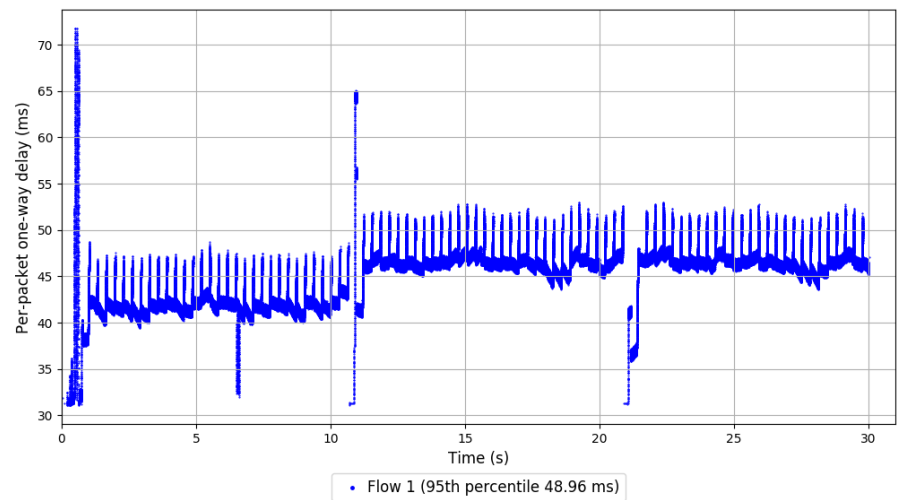
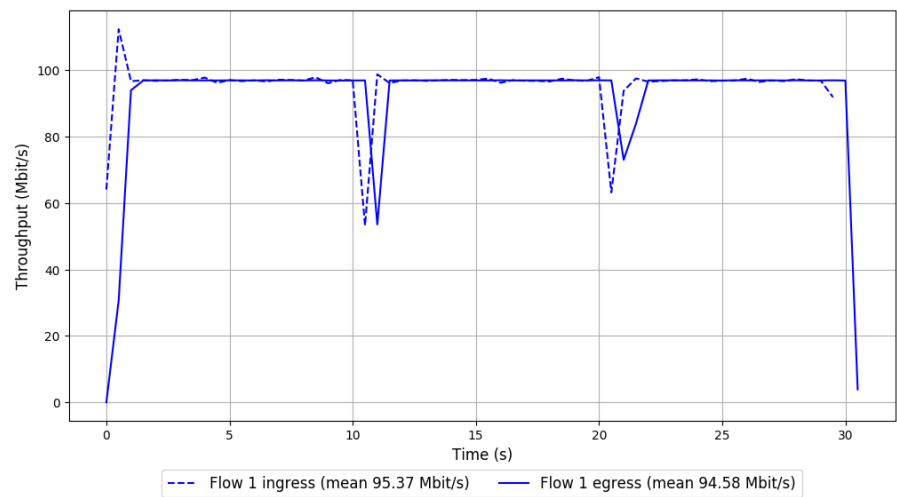


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 03:17:30
End at: 2018-08-09 03:18:00
Local clock offset: 0.212 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-08-09 04:55:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 48.963 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 48.963 ms
Loss rate: 0.78%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 03:39:47

End at: 2018-08-09 03:40:17

Local clock offset: 0.106 ms

Remote clock offset: -0.64 ms

Below is generated by plot.py at 2018-08-09 04:55:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 48.430 ms

Loss rate: 0.93%

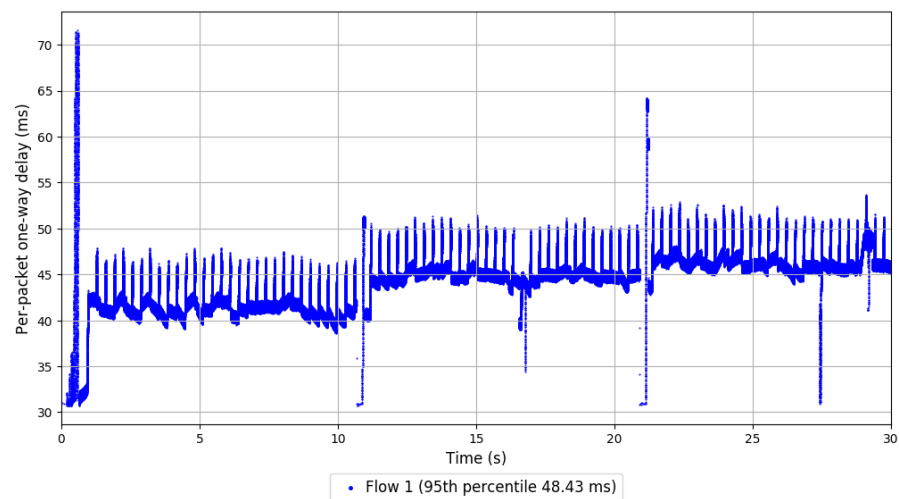
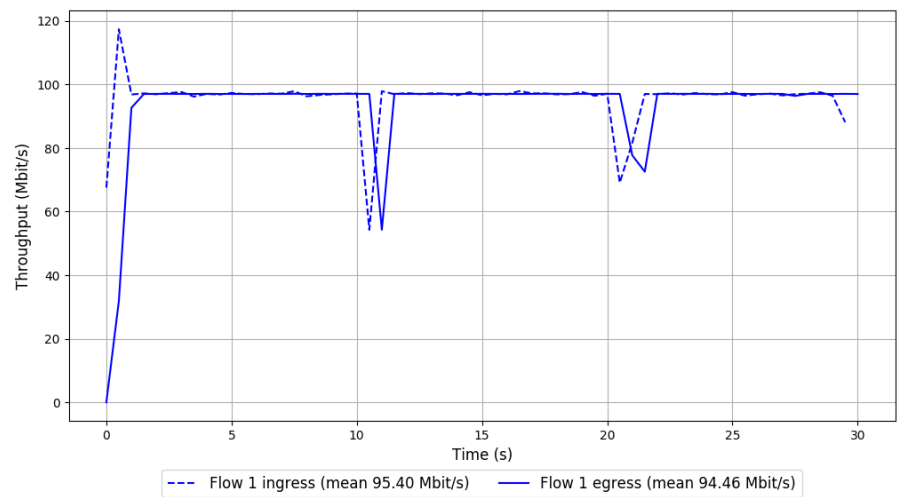
-- Flow 1:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 48.430 ms

Loss rate: 0.93%

Run 8: Report of FillP-Sheep — Data Link

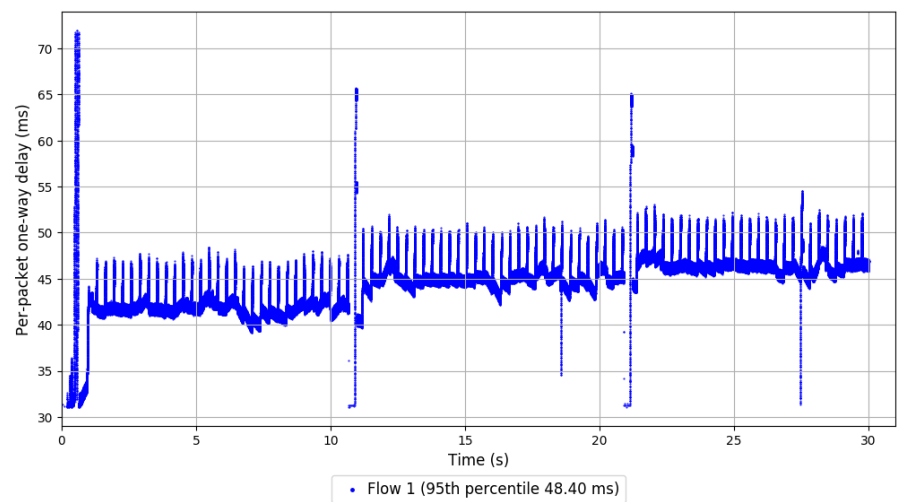
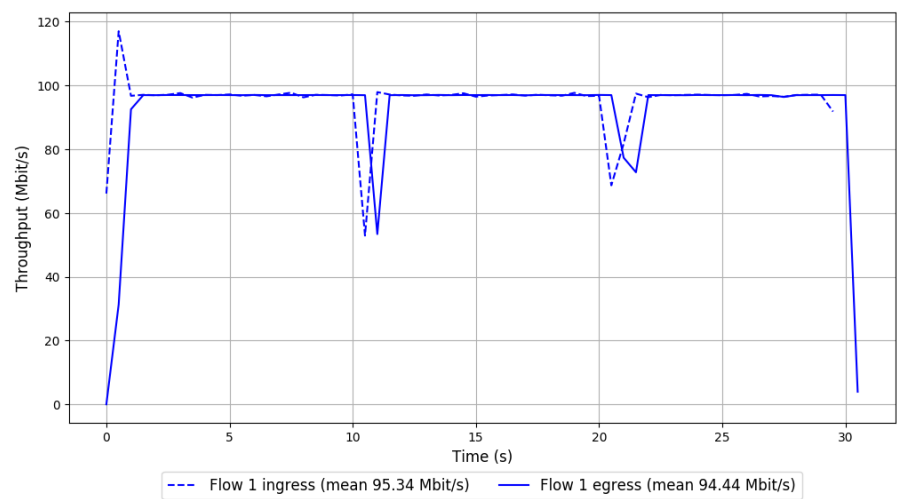


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 04:02:09
End at: 2018-08-09 04:02:39
Local clock offset: 0.312 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2018-08-09 04:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 48.396 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 48.396 ms
Loss rate: 0.89%

Run 9: Report of FillP-Sheep — Data Link

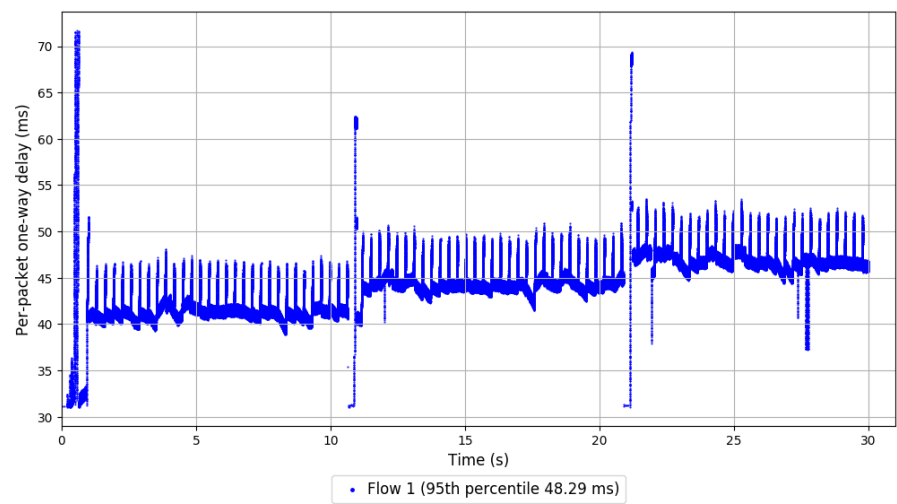
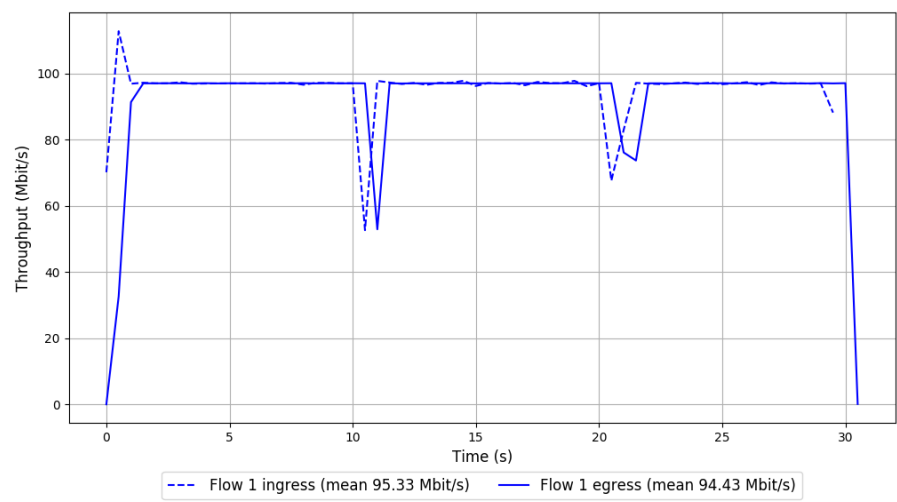


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 04:24:24
End at: 2018-08-09 04:24:54
Local clock offset: 0.369 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-08-09 04:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 48.291 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 48.291 ms
Loss rate: 0.89%

Run 10: Report of FillP-Sheep — Data Link

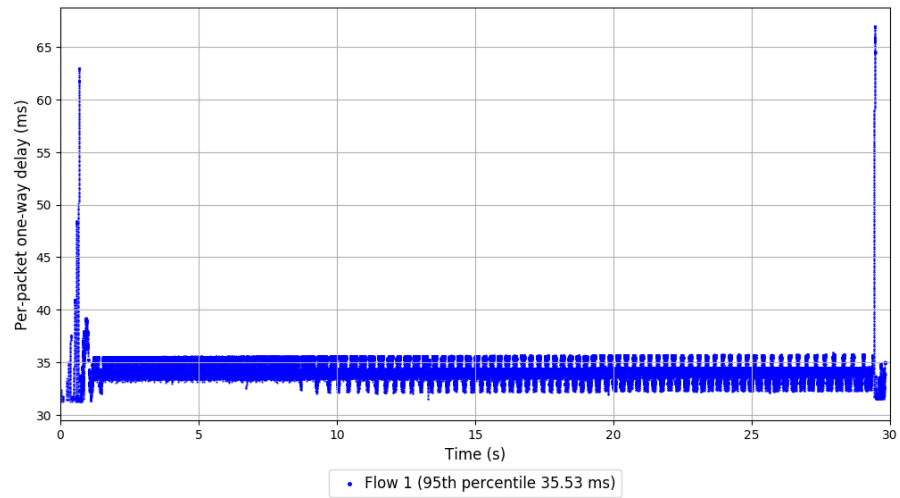
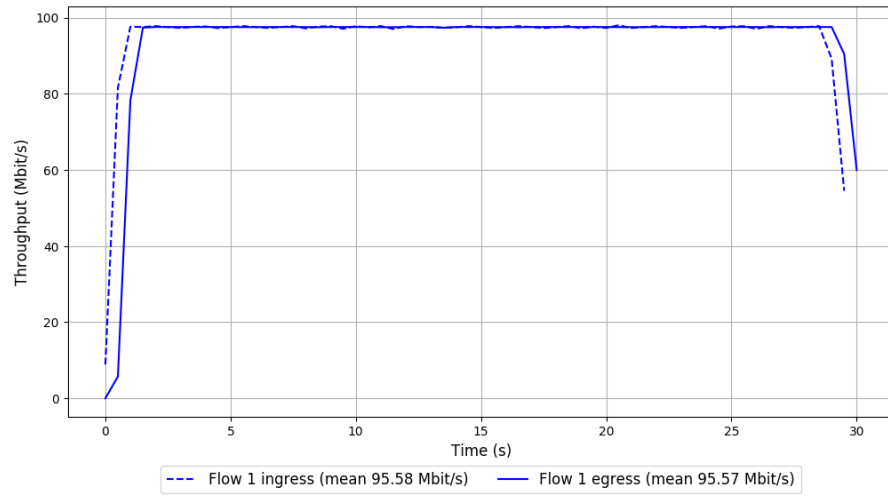


```
Run 1: Statistics of Indigo

Start at: 2018-08-09 01:21:22
End at: 2018-08-09 01:21:52
Local clock offset: -5.443 ms
Remote clock offset: -2.638 ms

# Below is generated by plot.py at 2018-08-09 04:55:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 35.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 35.528 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

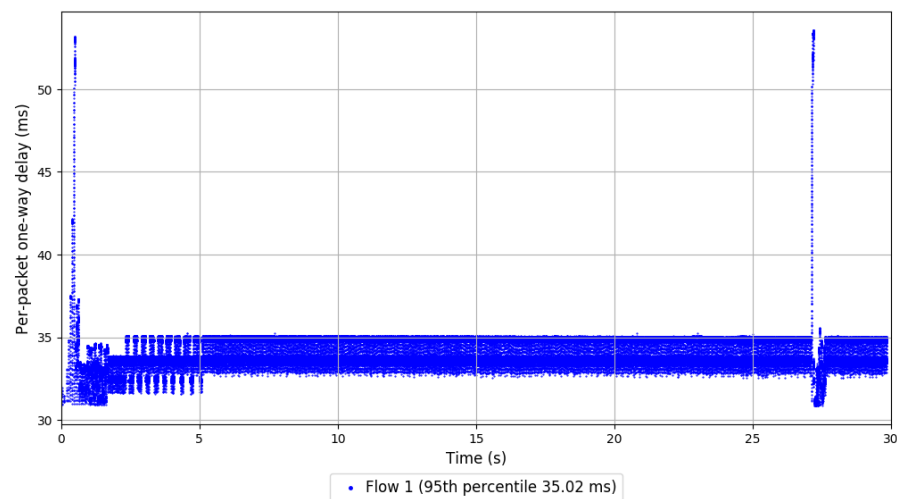
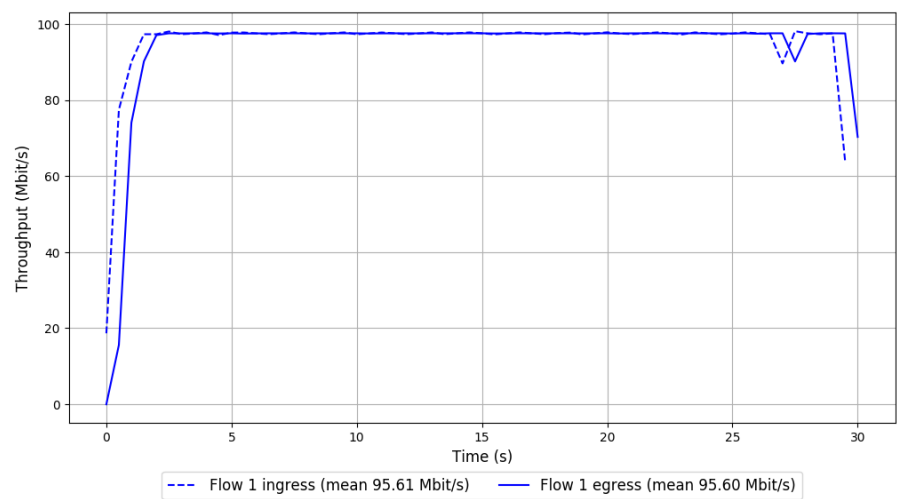


Run 2: Statistics of Indigo

Start at: 2018-08-09 01:43:45
End at: 2018-08-09 01:44:15
Local clock offset: -3.103 ms
Remote clock offset: -2.466 ms

Below is generated by plot.py at 2018-08-09 04:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 35.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 35.024 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

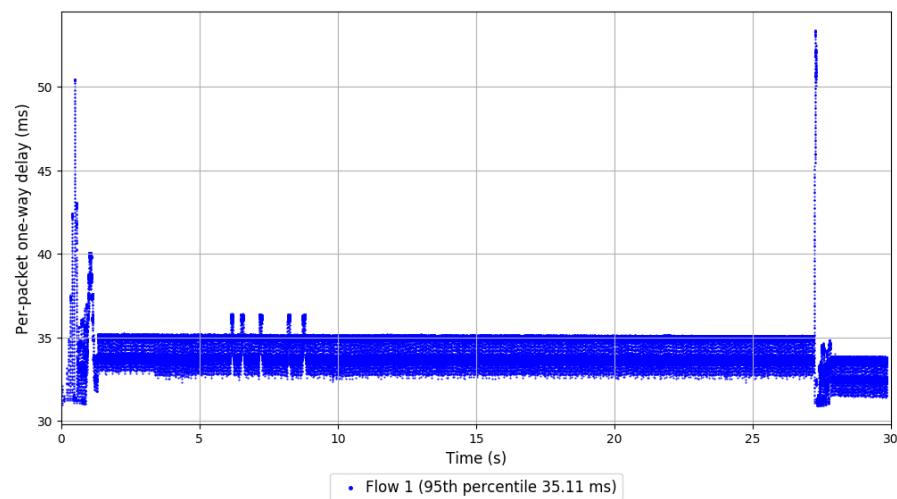
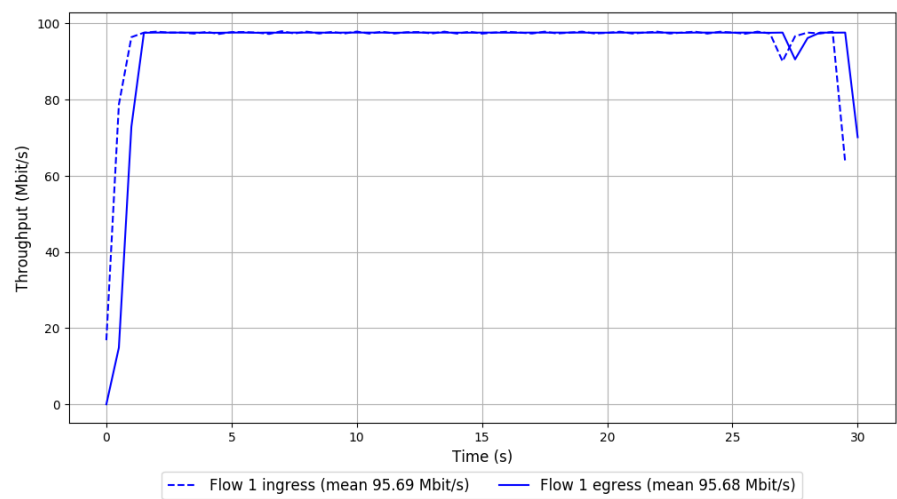


Run 3: Statistics of Indigo

Start at: 2018-08-09 02:06:02
End at: 2018-08-09 02:06:32
Local clock offset: -4.609 ms
Remote clock offset: -0.603 ms

Below is generated by plot.py at 2018-08-09 04:55:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 35.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 35.114 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-09 02:28:22

End at: 2018-08-09 02:28:52

Local clock offset: -1.299 ms

Remote clock offset: 1.7 ms

Below is generated by plot.py at 2018-08-09 04:55:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 35.311 ms

Loss rate: 0.00%

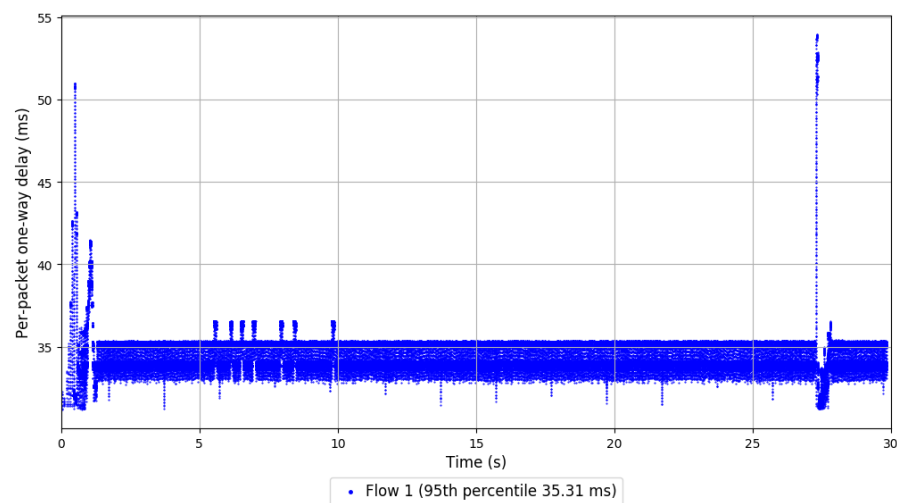
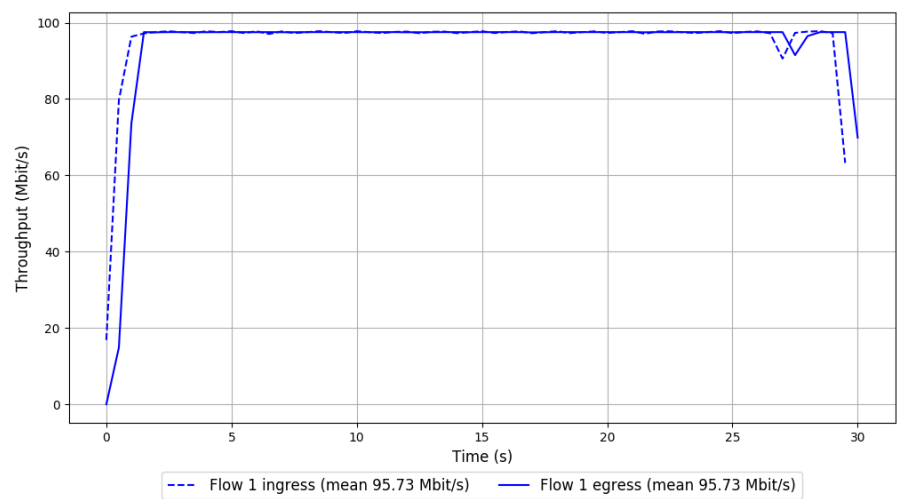
-- Flow 1:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 35.311 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-09 02:50:59

End at: 2018-08-09 02:51:29

Local clock offset: 0.05 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-08-09 04:56:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 36.134 ms

Loss rate: 0.00%

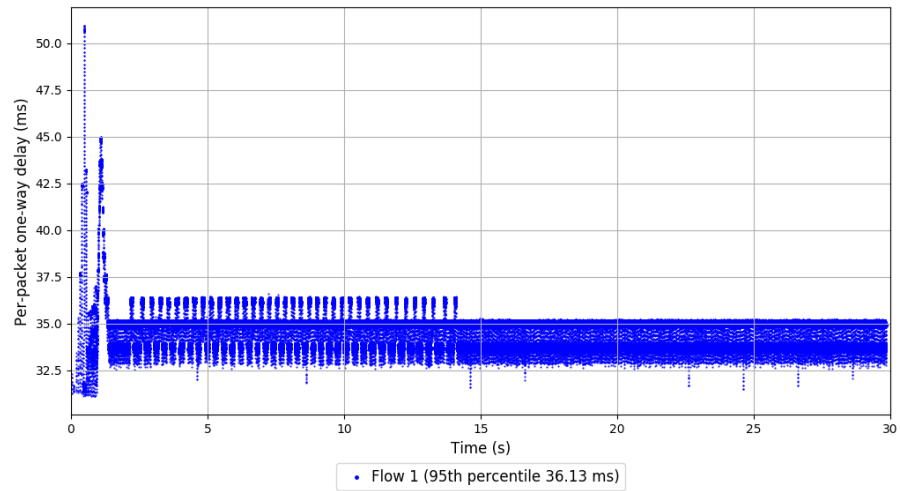
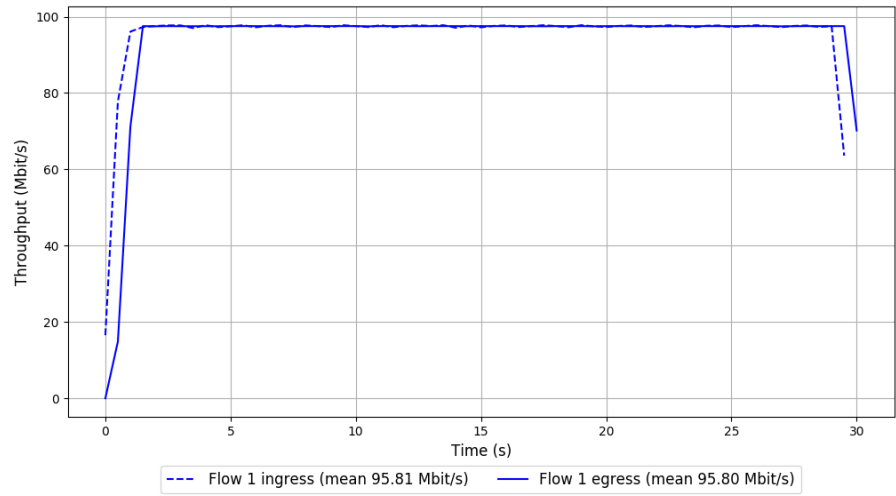
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 36.134 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

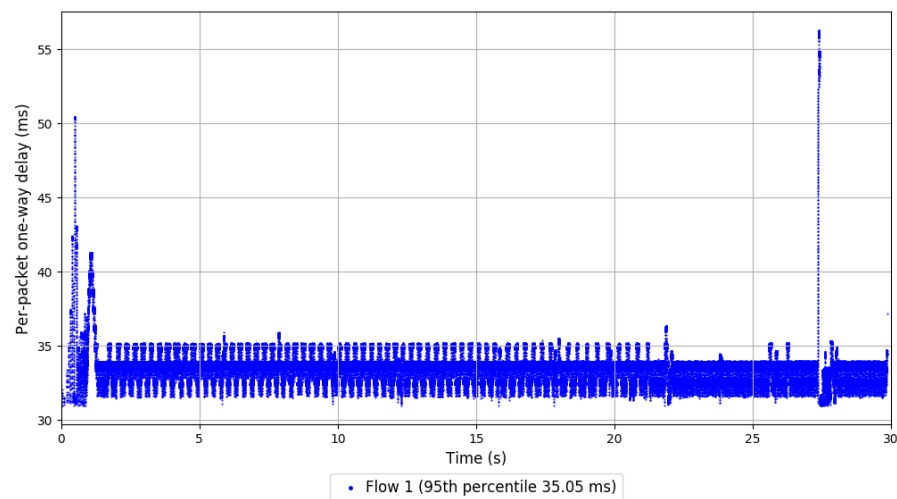
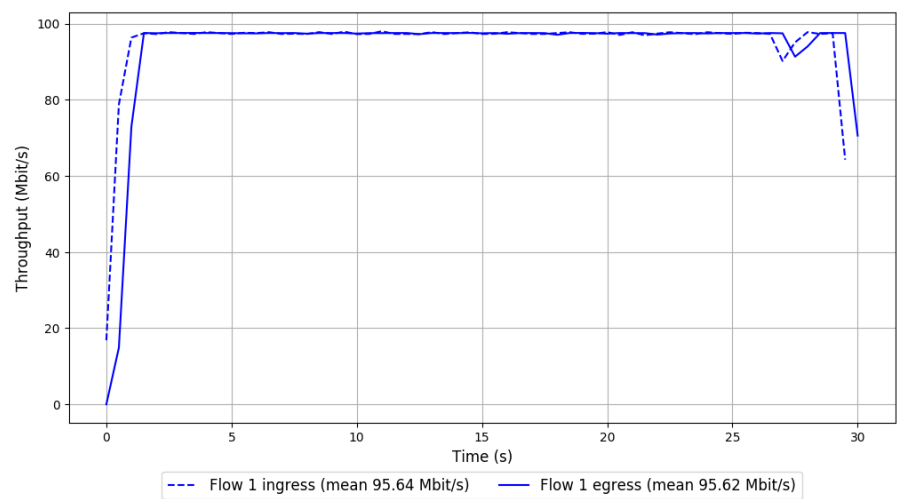


Run 6: Statistics of Indigo

Start at: 2018-08-09 03:13:30
End at: 2018-08-09 03:14:00
Local clock offset: 0.312 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-09 04:56:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 35.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 35.045 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

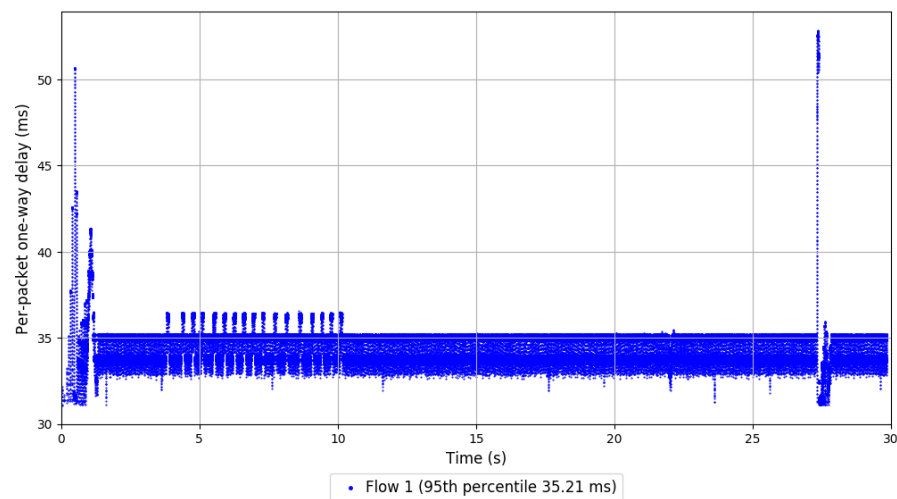
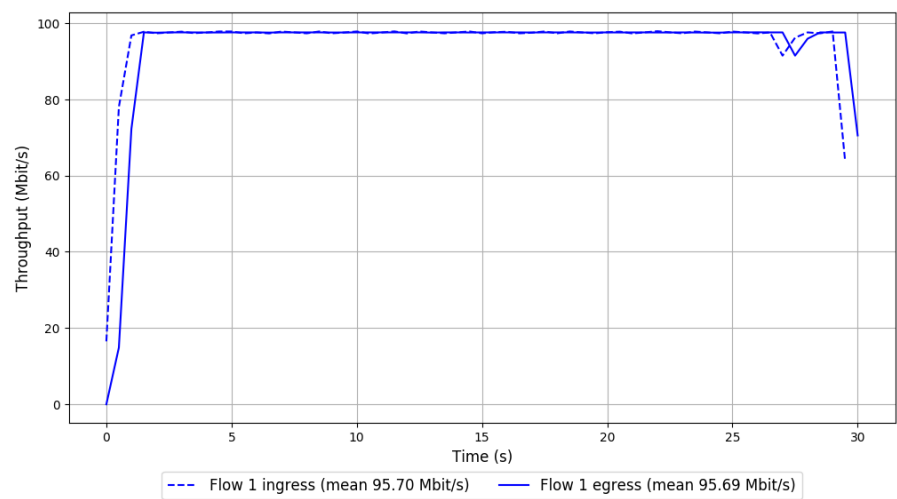


Run 7: Statistics of Indigo

Start at: 2018-08-09 03:35:50
End at: 2018-08-09 03:36:20
Local clock offset: 0.129 ms
Remote clock offset: -0.478 ms

Below is generated by plot.py at 2018-08-09 04:56:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 35.207 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

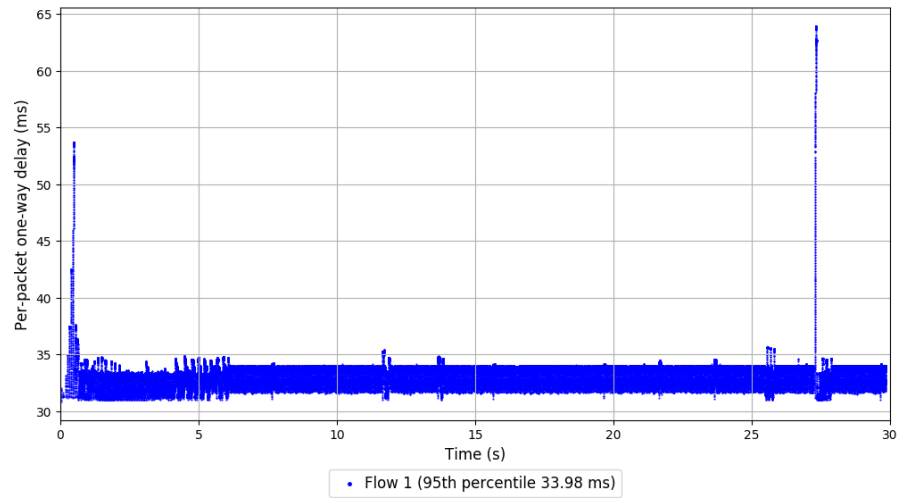
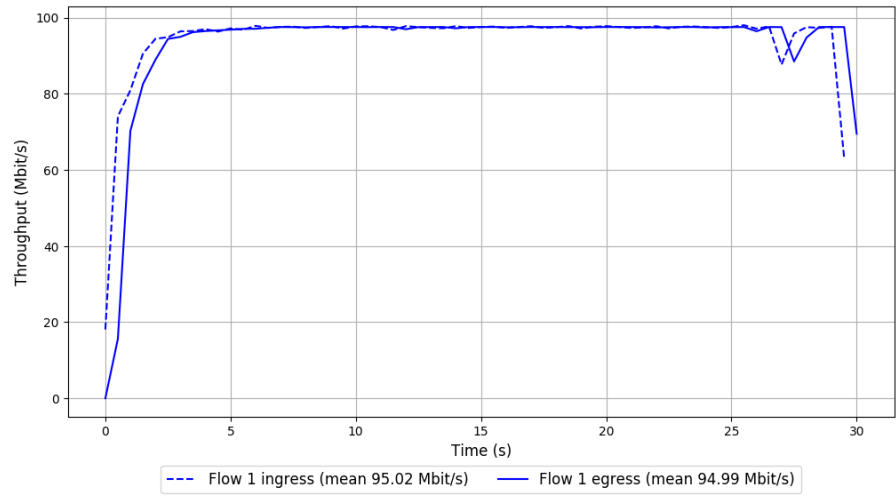


Run 8: Statistics of Indigo

Start at: 2018-08-09 03:58:12
End at: 2018-08-09 03:58:42
Local clock offset: 0.291 ms
Remote clock offset: -1.123 ms

Below is generated by plot.py at 2018-08-09 04:56:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 33.975 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 33.975 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 04:20:28

End at: 2018-08-09 04:20:58

Local clock offset: 0.353 ms

Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-08-09 04:56:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 35.175 ms

Loss rate: 0.00%

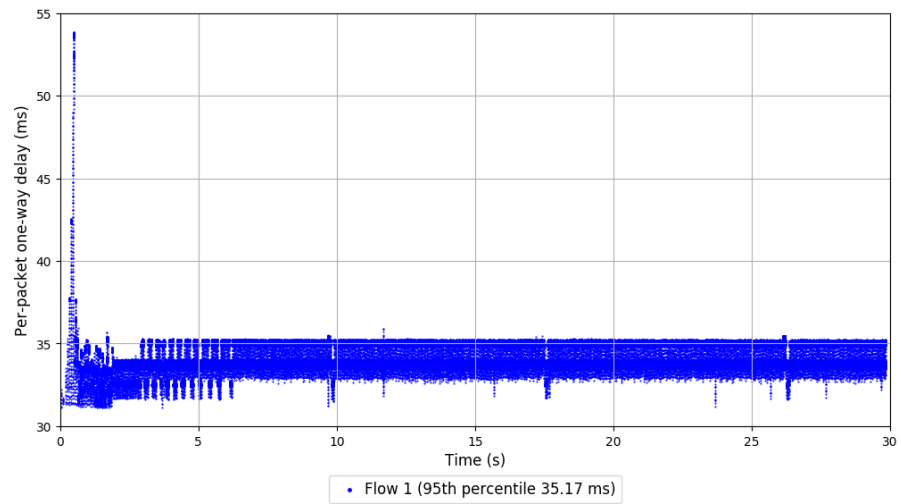
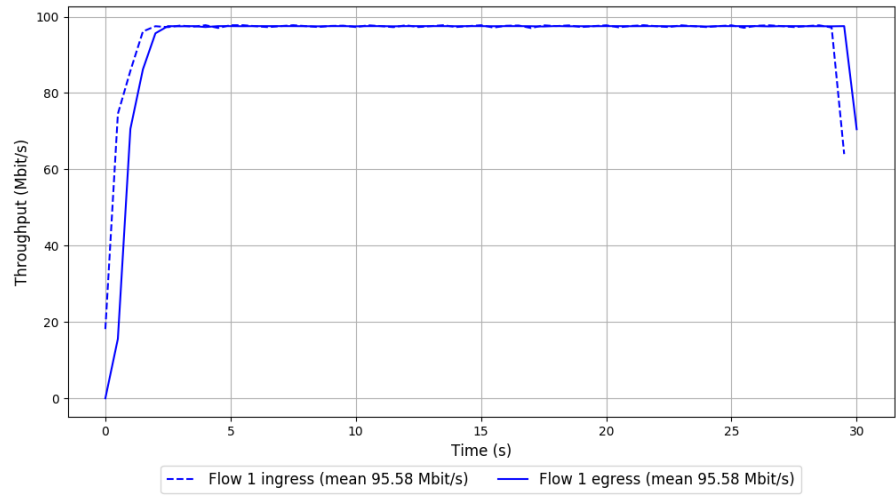
-- Flow 1:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 35.175 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 04:42:58

End at: 2018-08-09 04:43:28

Local clock offset: 0.398 ms

Remote clock offset: -1.188 ms

Below is generated by plot.py at 2018-08-09 04:56:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 33.978 ms

Loss rate: 0.02%

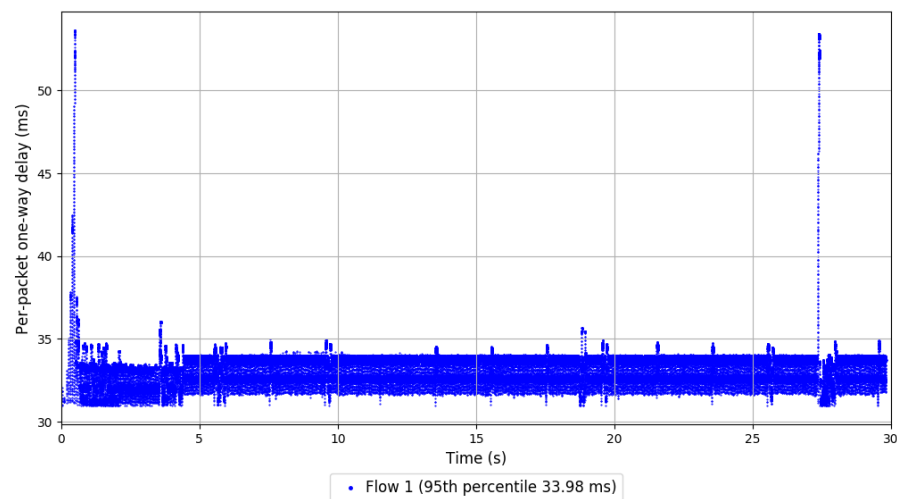
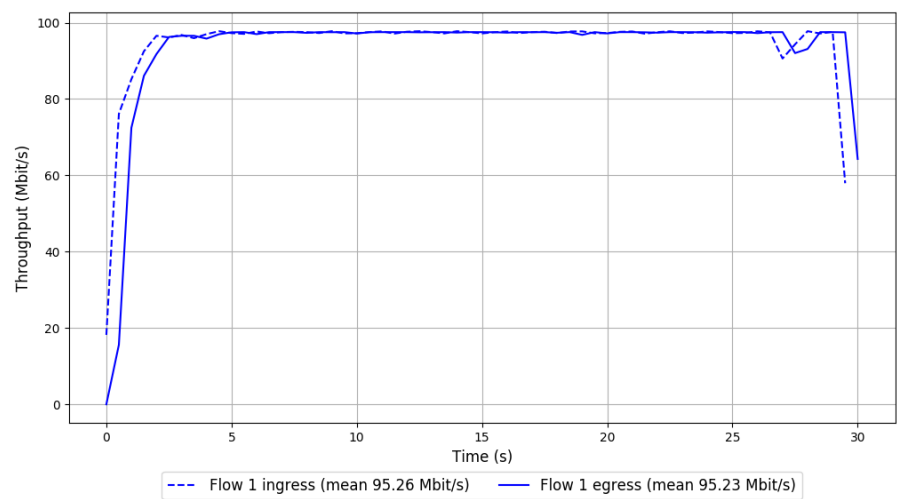
-- Flow 1:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 33.978 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

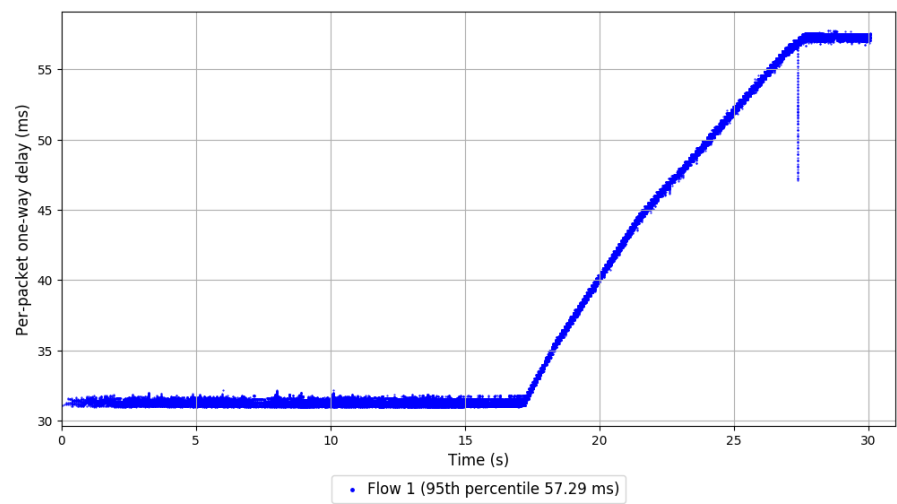
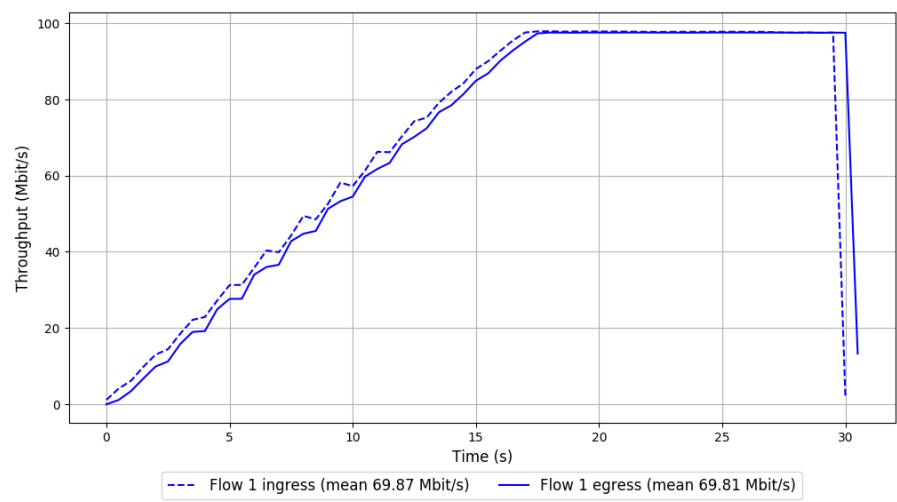


Run 1: Statistics of LEDBAT

Start at: 2018-08-09 01:01:51
End at: 2018-08-09 01:02:21
Local clock offset: -7.195 ms
Remote clock offset: -1.535 ms

Below is generated by plot.py at 2018-08-09 04:56:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 57.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 57.293 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

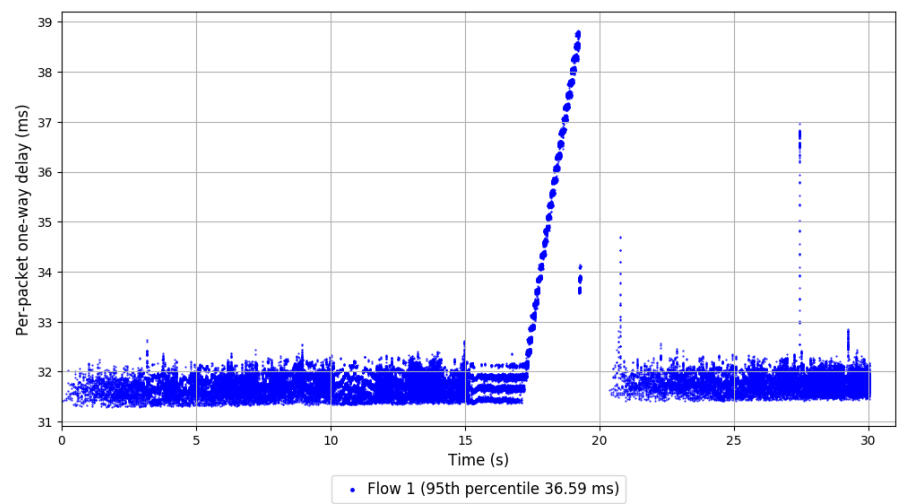
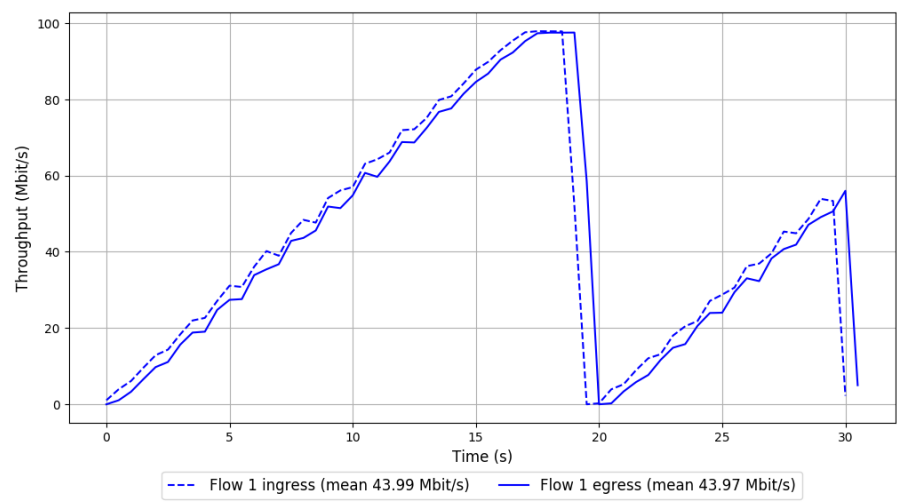


Run 2: Statistics of LEDBAT

Start at: 2018-08-09 01:24:00
End at: 2018-08-09 01:24:30
Local clock offset: -4.467 ms
Remote clock offset: -2.804 ms

Below is generated by plot.py at 2018-08-09 04:56:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 36.590 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 36.590 ms
Loss rate: 0.04%

Run 2: Report of LEDBAT — Data Link

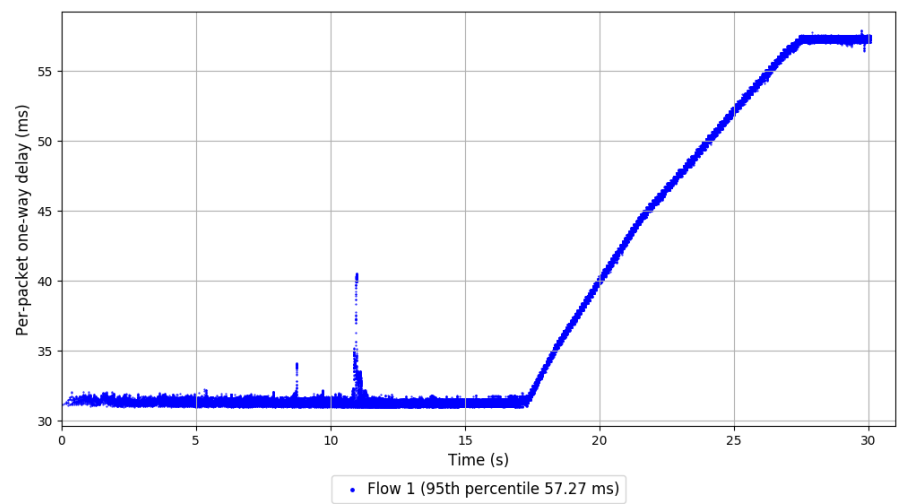
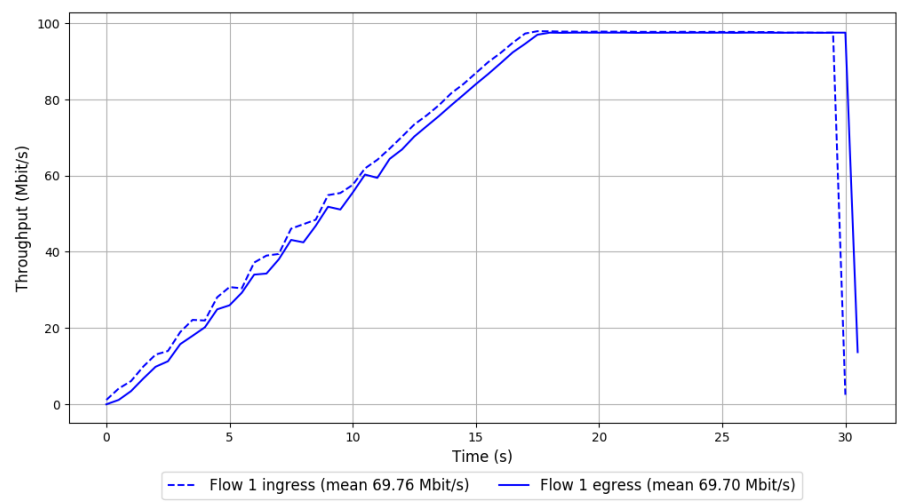


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 01:46:23
End at: 2018-08-09 01:46:53
Local clock offset: -3.285 ms
Remote clock offset: -2.363 ms

Below is generated by plot.py at 2018-08-09 04:57:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 57.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 57.268 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

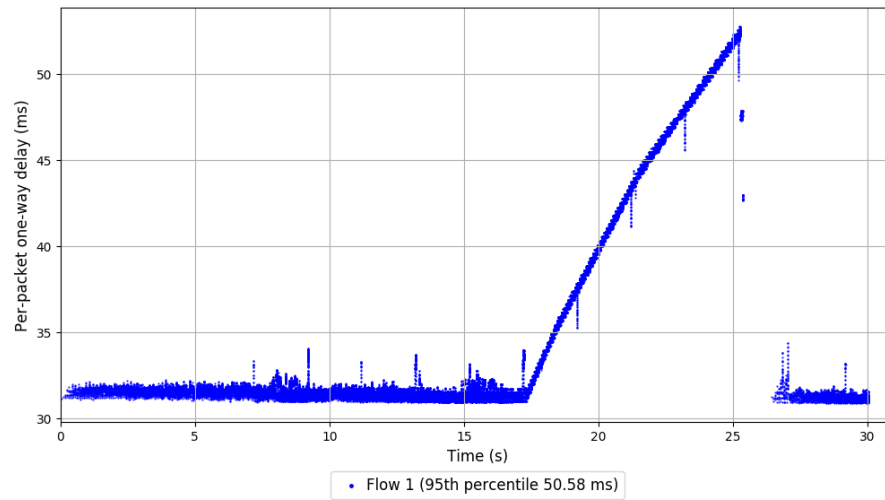
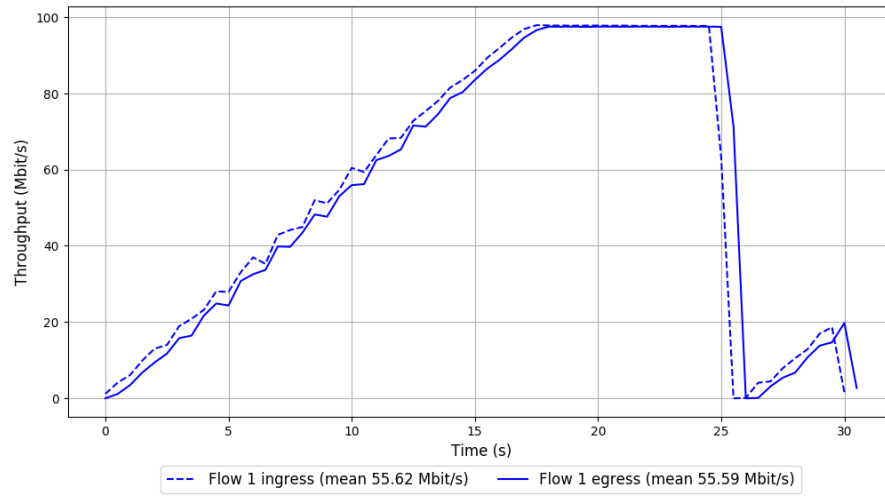


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 02:08:40
End at: 2018-08-09 02:09:10
Local clock offset: -4.839 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-08-09 04:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-09 02:31:01

End at: 2018-08-09 02:31:31

Local clock offset: -0.848 ms

Remote clock offset: 2.0 ms

Below is generated by plot.py at 2018-08-09 04:57:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 57.261 ms

Loss rate: 0.00%

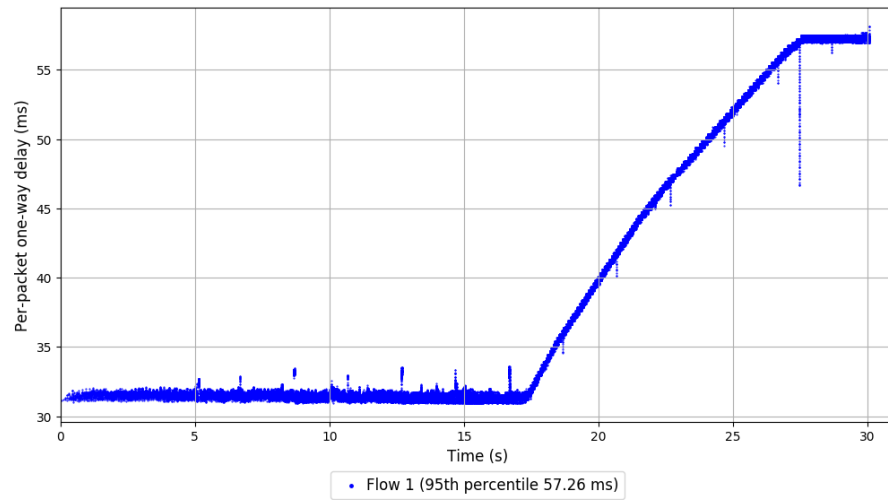
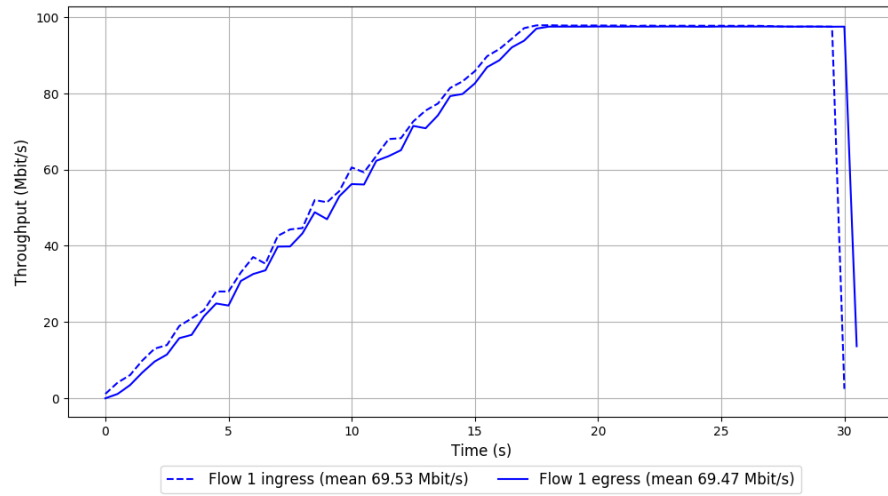
-- Flow 1:

Average throughput: 69.47 Mbit/s

95th percentile per-packet one-way delay: 57.261 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-09 02:53:38

End at: 2018-08-09 02:54:08

Local clock offset: 0.054 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-08-09 04:57:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.50 Mbit/s

95th percentile per-packet one-way delay: 57.485 ms

Loss rate: 0.00%

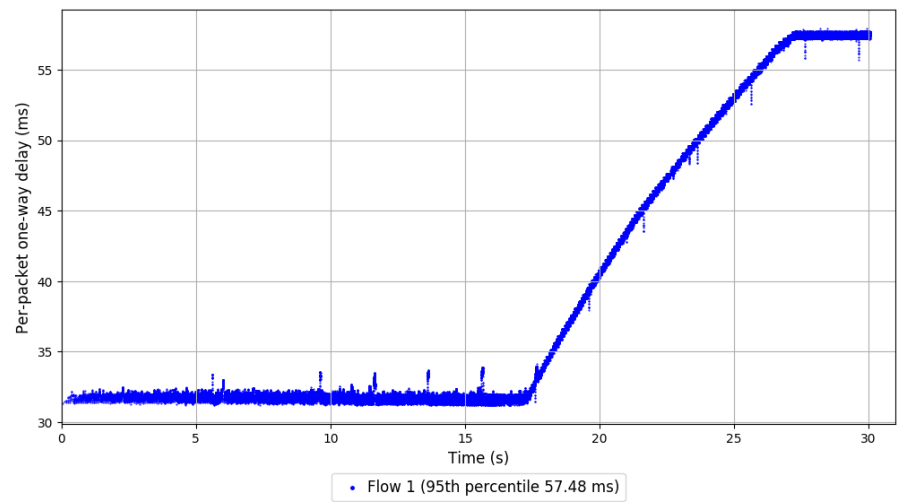
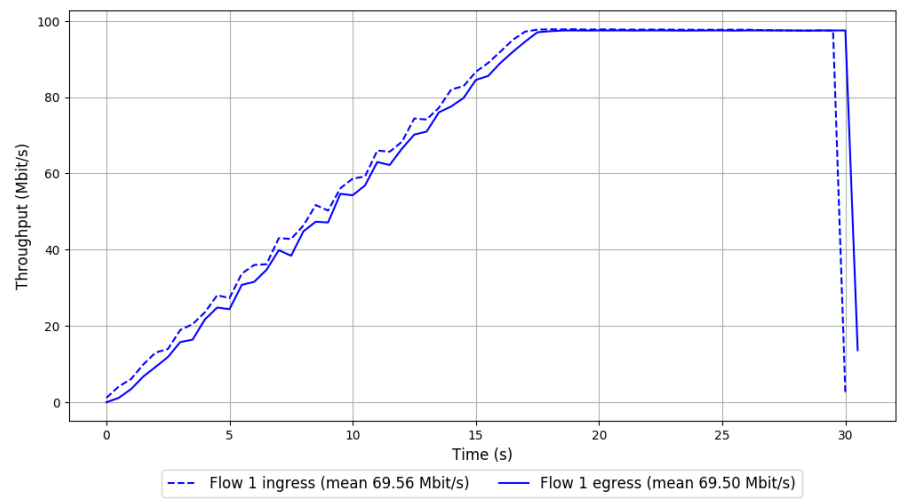
-- Flow 1:

Average throughput: 69.50 Mbit/s

95th percentile per-packet one-way delay: 57.485 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

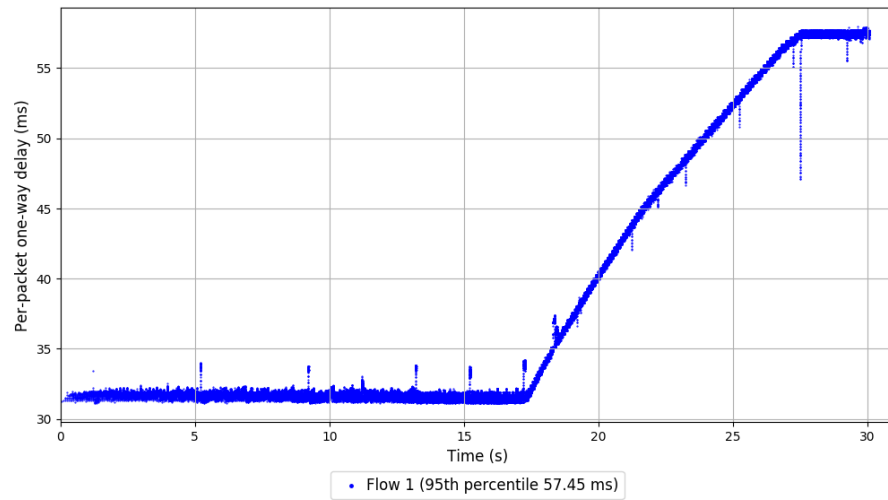
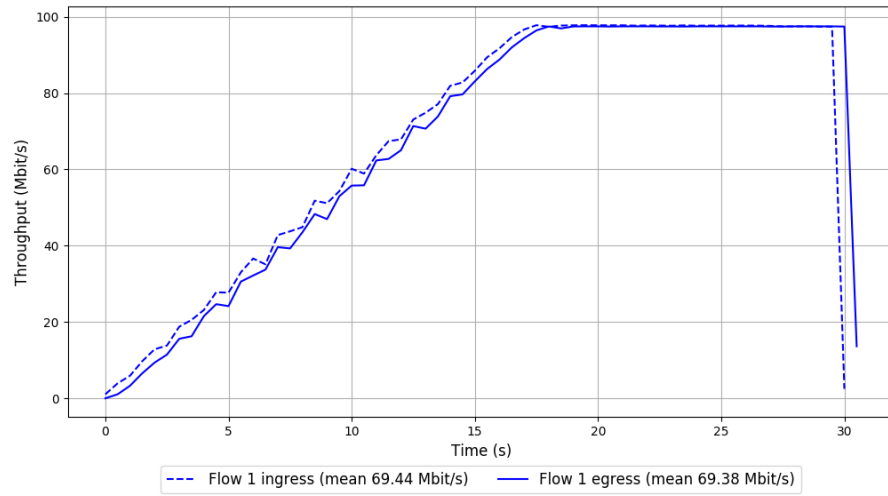


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 03:16:10
End at: 2018-08-09 03:16:40
Local clock offset: 0.218 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-08-09 04:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.38 Mbit/s
95th percentile per-packet one-way delay: 57.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.38 Mbit/s
95th percentile per-packet one-way delay: 57.446 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

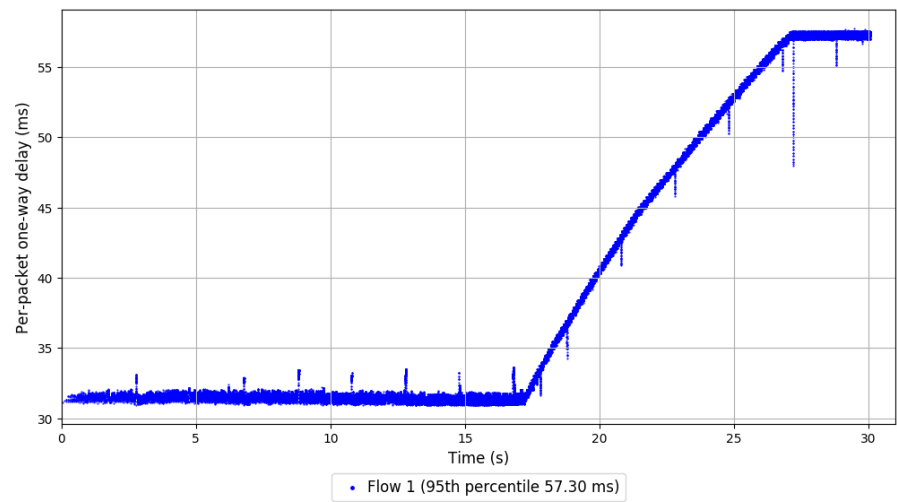
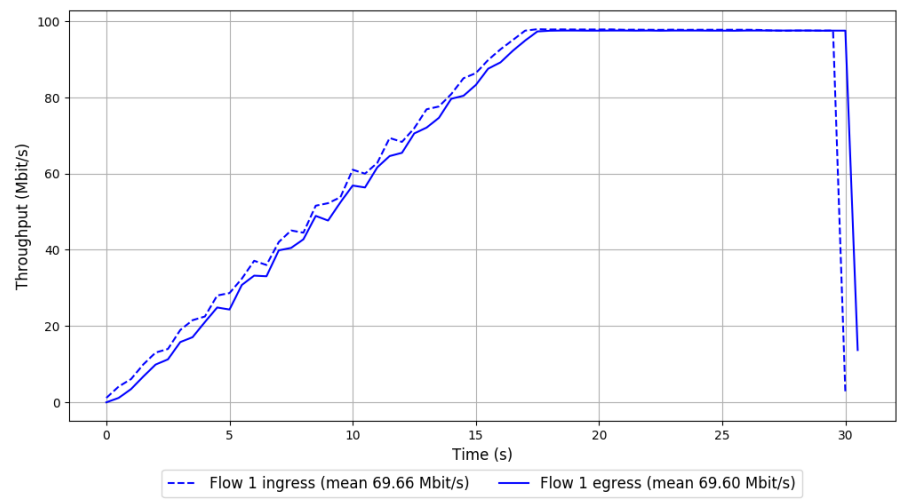


Run 8: Statistics of LEDBAT

Start at: 2018-08-09 03:38:29
End at: 2018-08-09 03:38:59
Local clock offset: 0.188 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-08-09 04:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 57.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 57.299 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

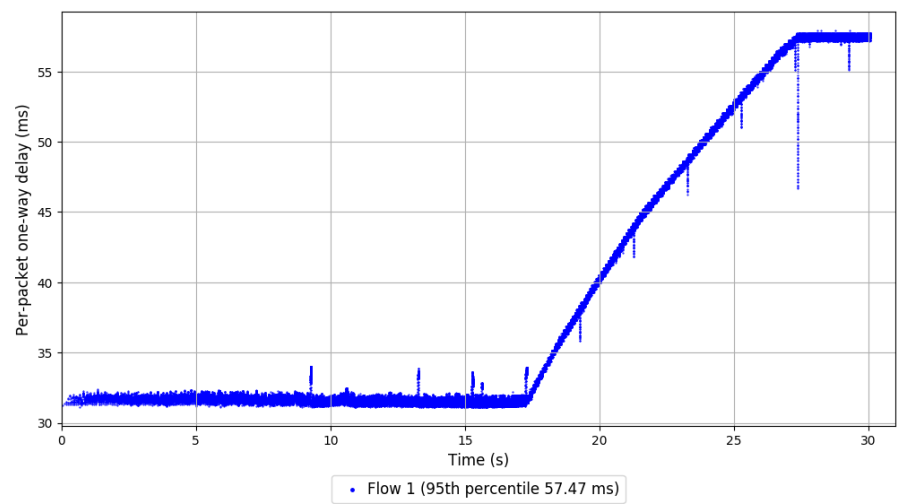
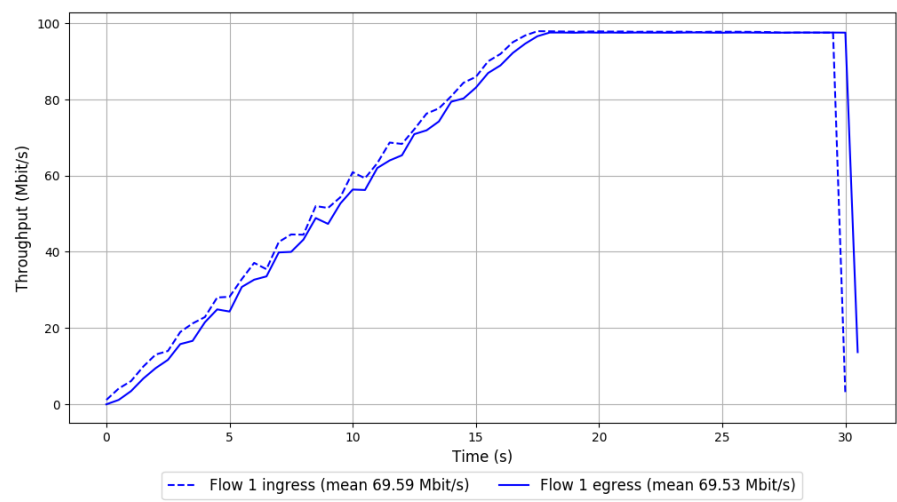


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 04:00:50
End at: 2018-08-09 04:01:20
Local clock offset: 0.338 ms
Remote clock offset: -1.064 ms

Below is generated by plot.py at 2018-08-09 04:57:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 57.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 57.466 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

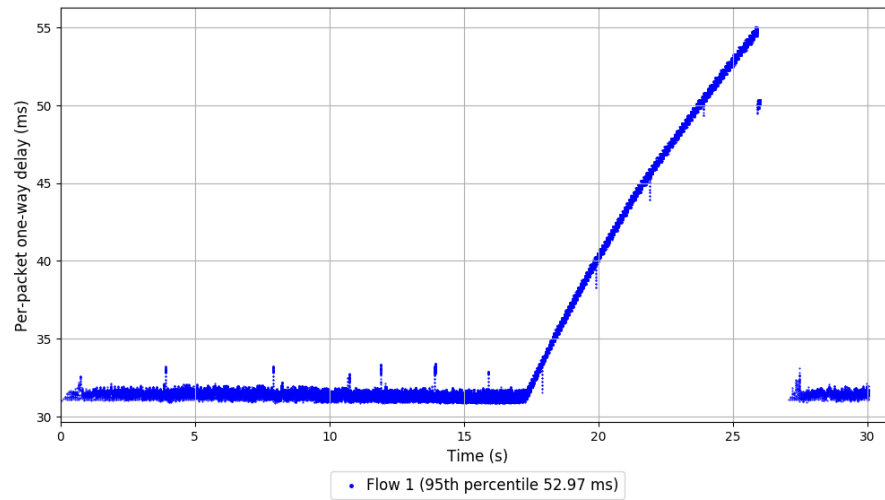
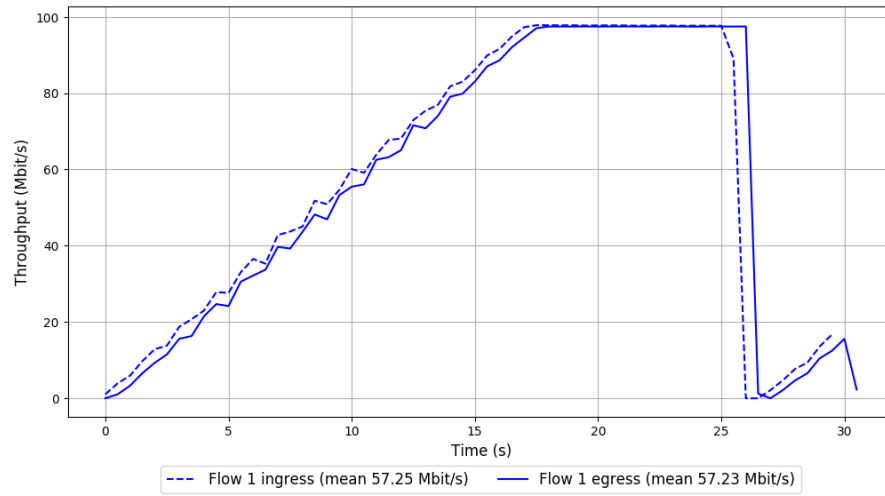


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 04:23:06
End at: 2018-08-09 04:23:36
Local clock offset: 0.367 ms
Remote clock offset: -1.468 ms

Below is generated by plot.py at 2018-08-09 04:57:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 52.970 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 52.970 ms
Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link

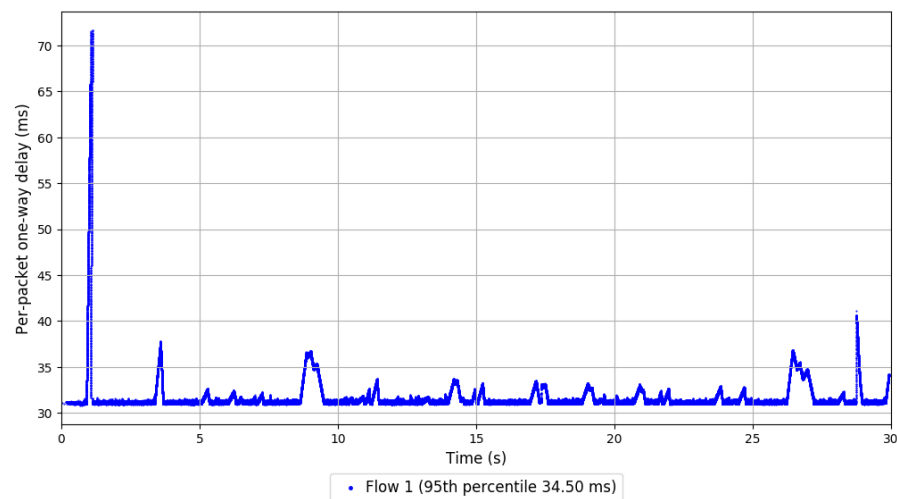
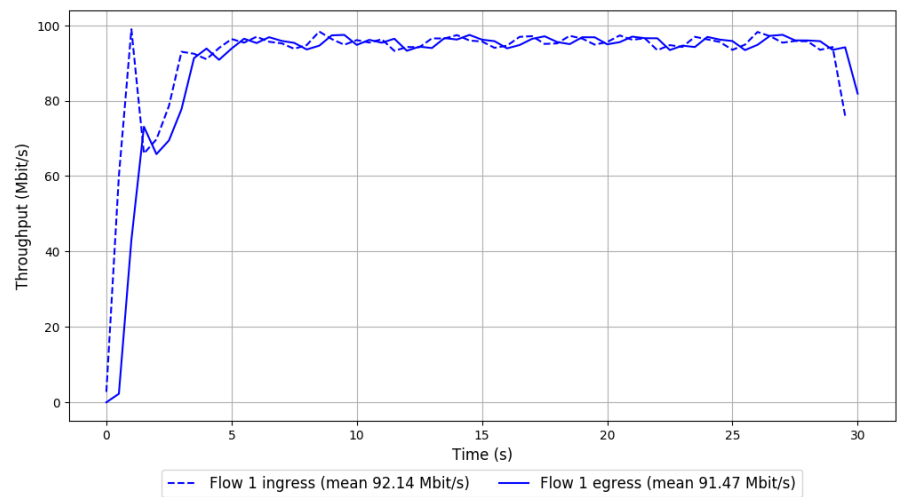


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 01:00:33
End at: 2018-08-09 01:01:03
Local clock offset: -7.115 ms
Remote clock offset: -1.518 ms

# Below is generated by plot.py at 2018-08-09 04:58:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 34.504 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 34.504 ms
Loss rate: 0.71%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 01:22:42

End at: 2018-08-09 01:23:12

Local clock offset: -4.961 ms

Remote clock offset: -2.76 ms

Below is generated by plot.py at 2018-08-09 04:58:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.62 Mbit/s

95th percentile per-packet one-way delay: 38.847 ms

Loss rate: 0.70%

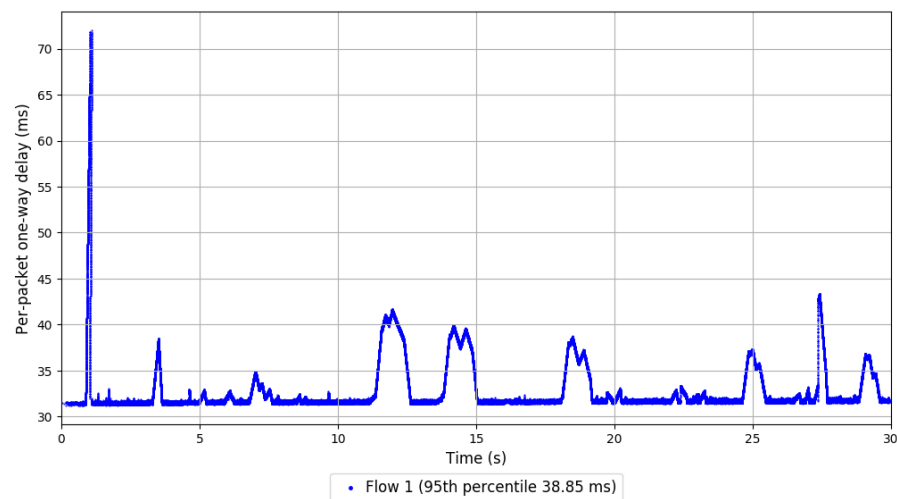
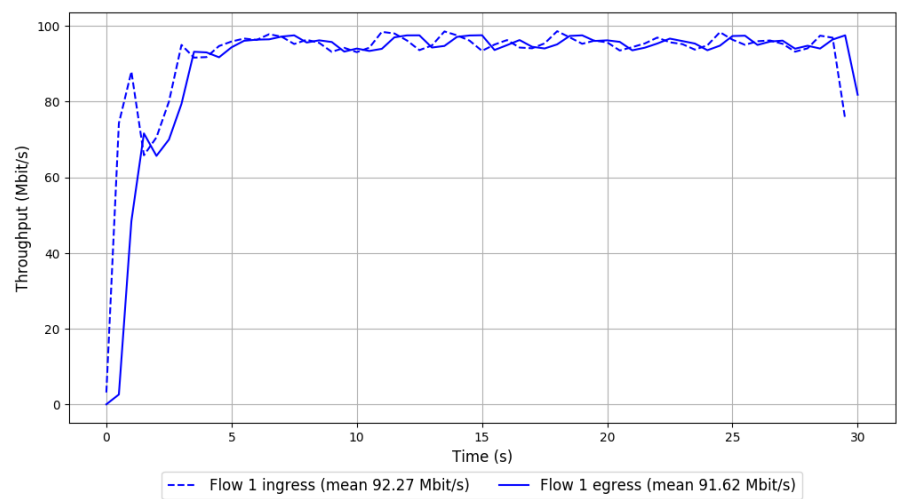
-- Flow 1:

Average throughput: 91.62 Mbit/s

95th percentile per-packet one-way delay: 38.847 ms

Loss rate: 0.70%

Run 2: Report of PCC-Allegro — Data Link

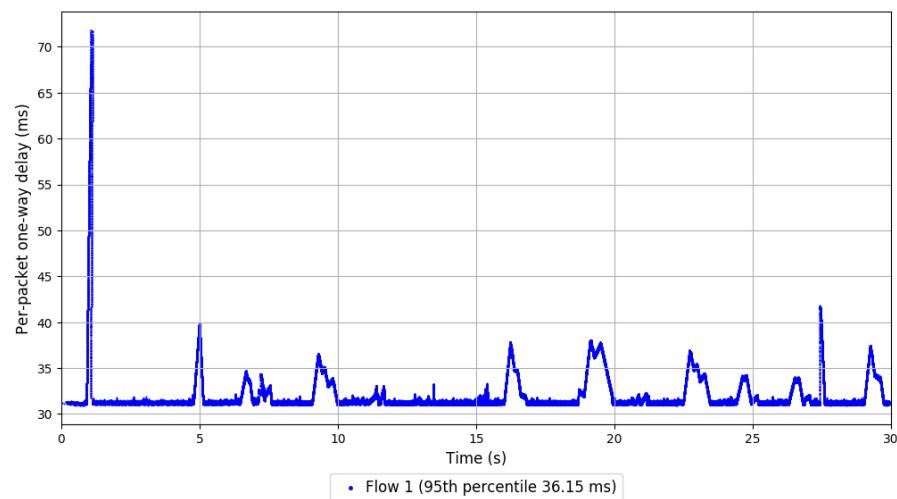
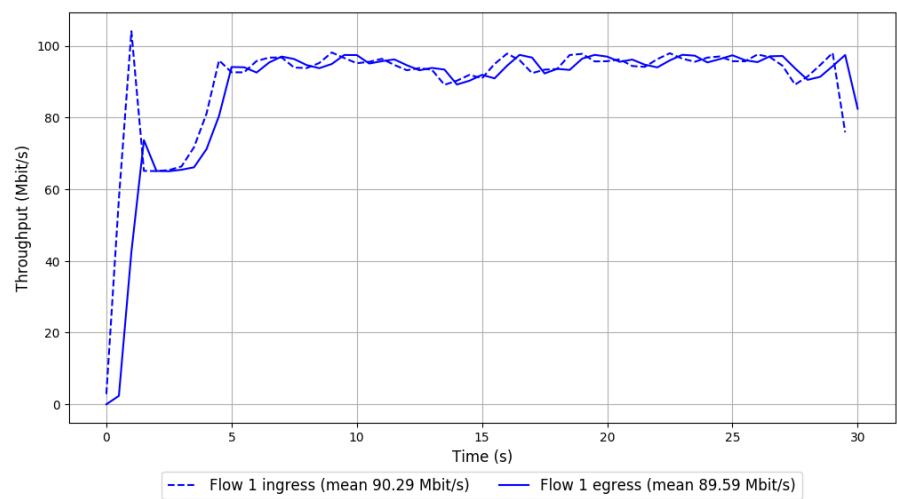


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 01:45:05
End at: 2018-08-09 01:45:35
Local clock offset: -3.318 ms
Remote clock offset: -2.447 ms

Below is generated by plot.py at 2018-08-09 04:58:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 36.150 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 36.150 ms
Loss rate: 0.78%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 02:07:22

End at: 2018-08-09 02:07:52

Local clock offset: -4.632 ms

Remote clock offset: -0.511 ms

Below is generated by plot.py at 2018-08-09 04:58:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 36.747 ms

Loss rate: 0.72%

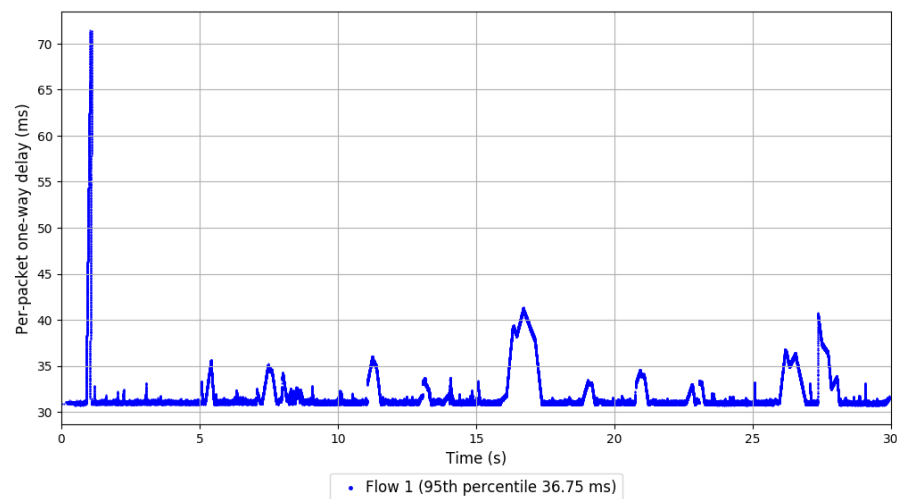
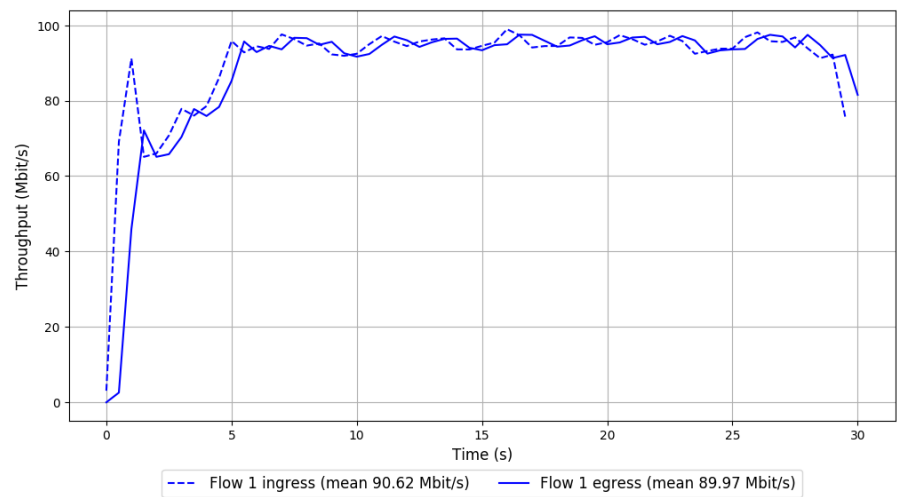
-- Flow 1:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 36.747 ms

Loss rate: 0.72%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 02:29:42

End at: 2018-08-09 02:30:13

Local clock offset: -1.101 ms

Remote clock offset: 1.704 ms

Below is generated by plot.py at 2018-08-09 04:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 35.031 ms

Loss rate: 0.69%

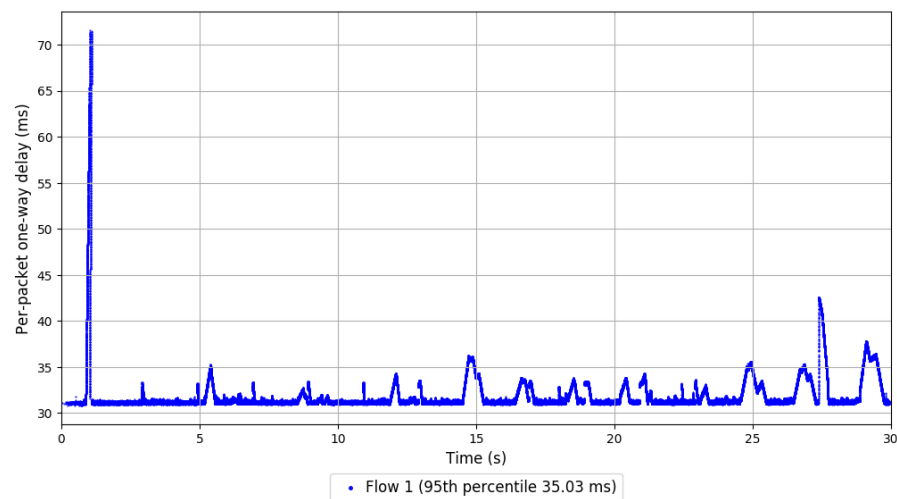
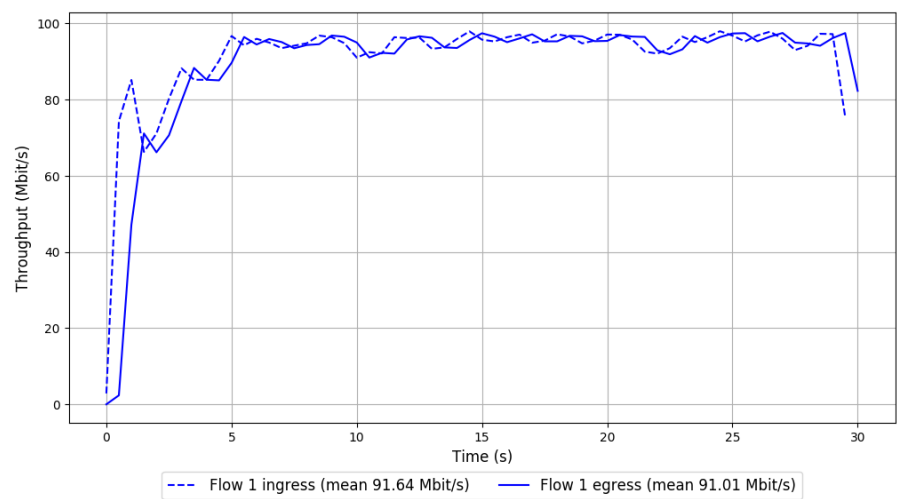
-- Flow 1:

Average throughput: 91.01 Mbit/s

95th percentile per-packet one-way delay: 35.031 ms

Loss rate: 0.69%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 02:52:20

End at: 2018-08-09 02:52:50

Local clock offset: 0.08 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-08-09 04:58:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 35.142 ms

Loss rate: 0.74%

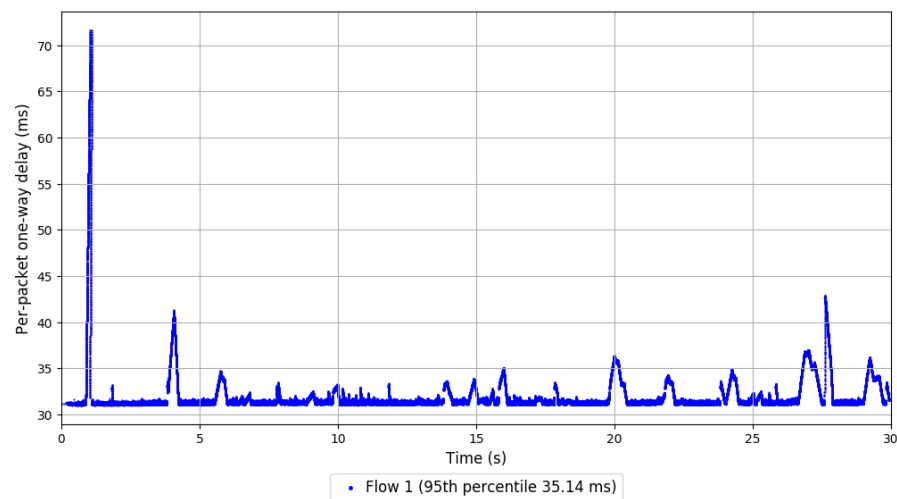
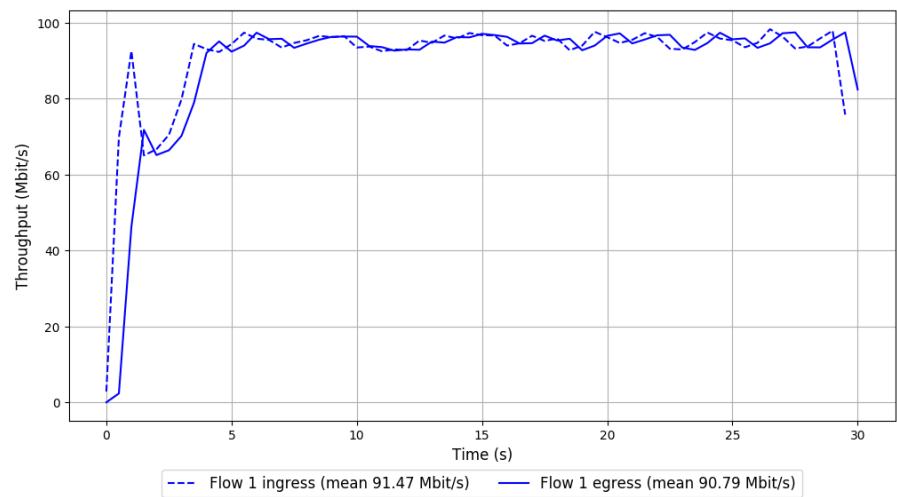
-- Flow 1:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 35.142 ms

Loss rate: 0.74%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 03:14:52

End at: 2018-08-09 03:15:22

Local clock offset: 0.287 ms

Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-08-09 04:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 37.860 ms

Loss rate: 0.73%

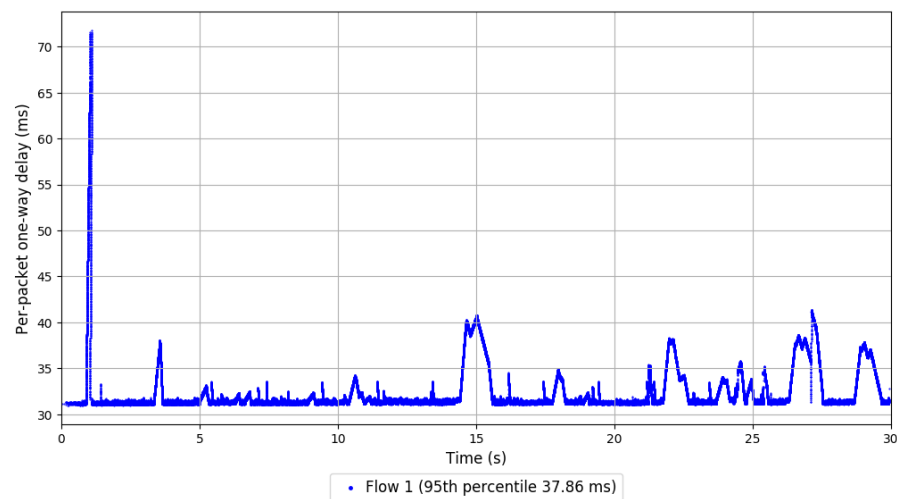
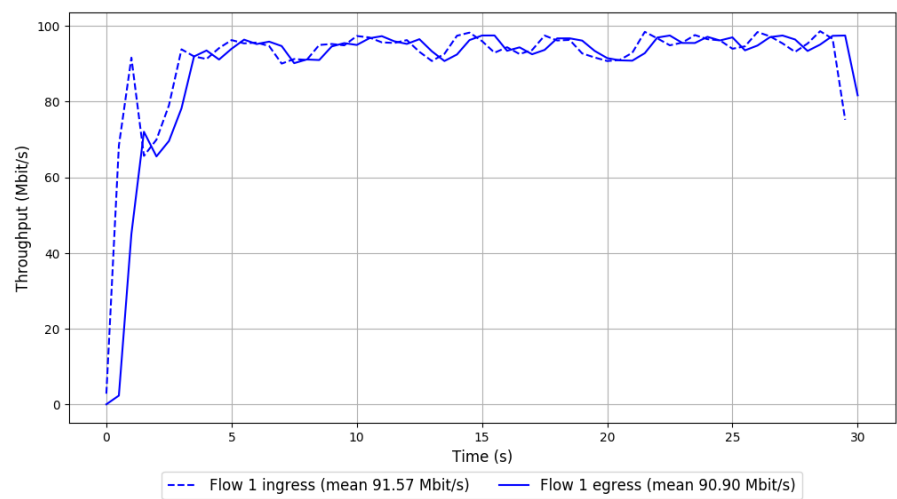
-- Flow 1:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 37.860 ms

Loss rate: 0.73%

Run 7: Report of PCC-Allegro — Data Link

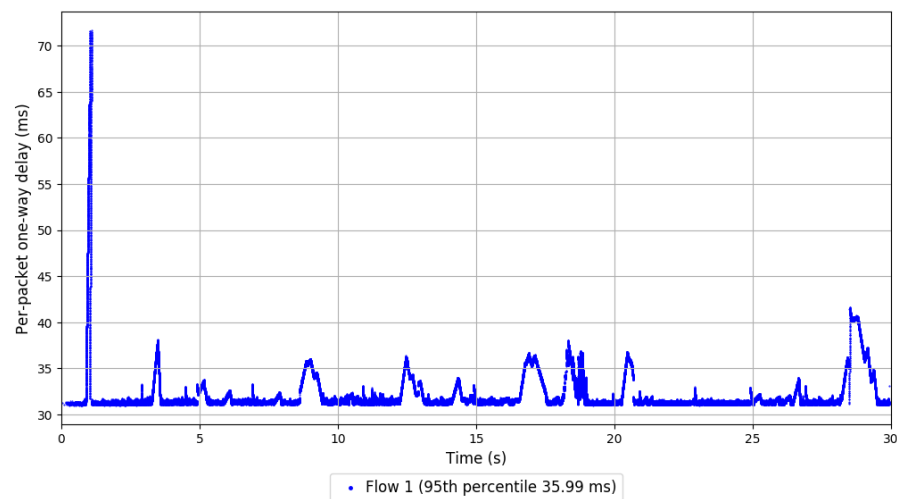
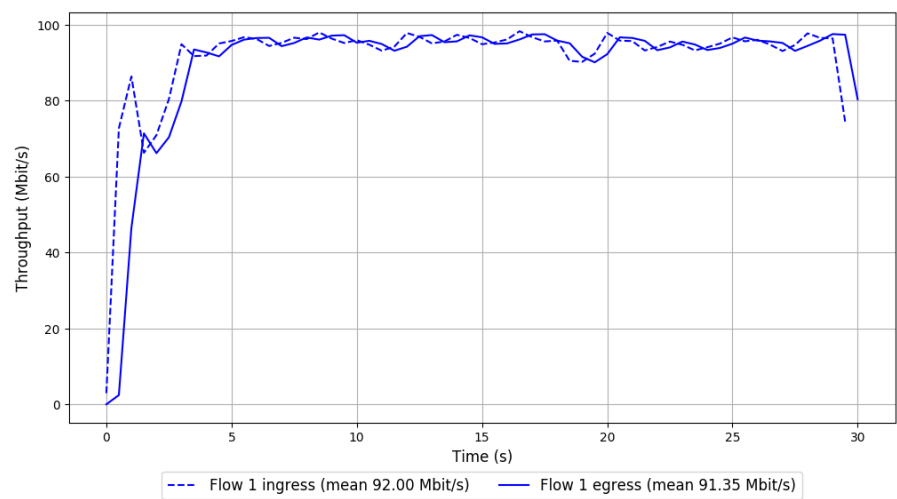


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 03:37:11
End at: 2018-08-09 03:37:41
Local clock offset: 0.102 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-08-09 04:58:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 35.987 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 35.987 ms
Loss rate: 0.69%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 03:59:32

End at: 2018-08-09 04:00:02

Local clock offset: 0.34 ms

Remote clock offset: -1.155 ms

Below is generated by plot.py at 2018-08-09 04:59:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 46.930 ms

Loss rate: 0.71%

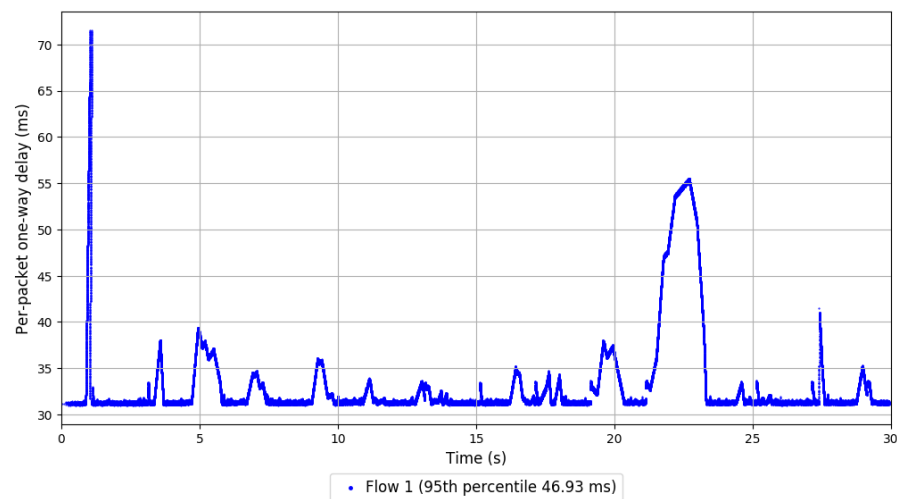
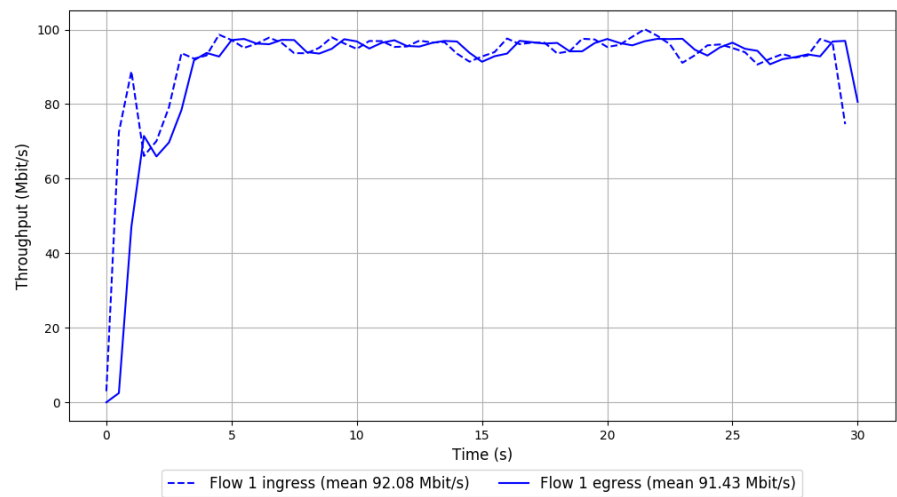
-- Flow 1:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 46.930 ms

Loss rate: 0.71%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 04:21:48

End at: 2018-08-09 04:22:18

Local clock offset: 0.363 ms

Remote clock offset: -1.351 ms

Below is generated by plot.py at 2018-08-09 04:59:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 35.061 ms

Loss rate: 0.69%

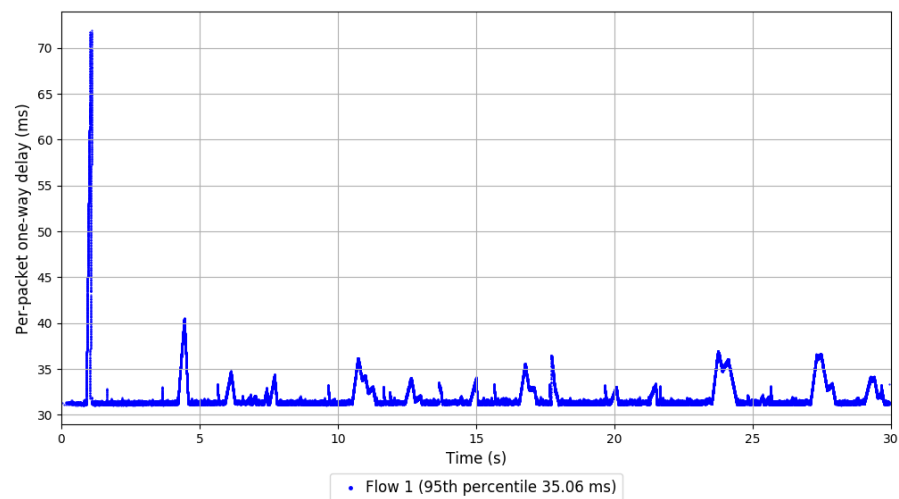
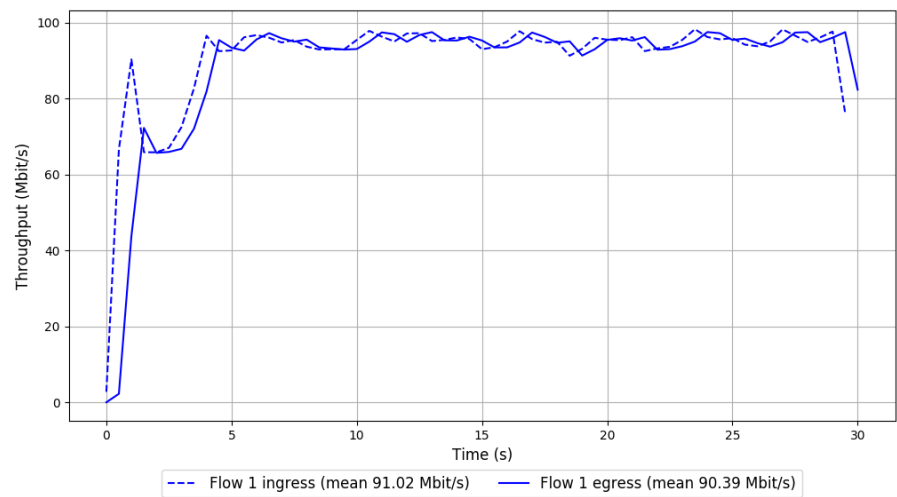
-- Flow 1:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 35.061 ms

Loss rate: 0.69%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 01:09:39

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

Local clock offset: -8.22 ms

Remote clock offset: -1.941 ms

Below is generated by plot.py at 2018-08-09 05:00:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 56.844 ms

Loss rate: 0.87%

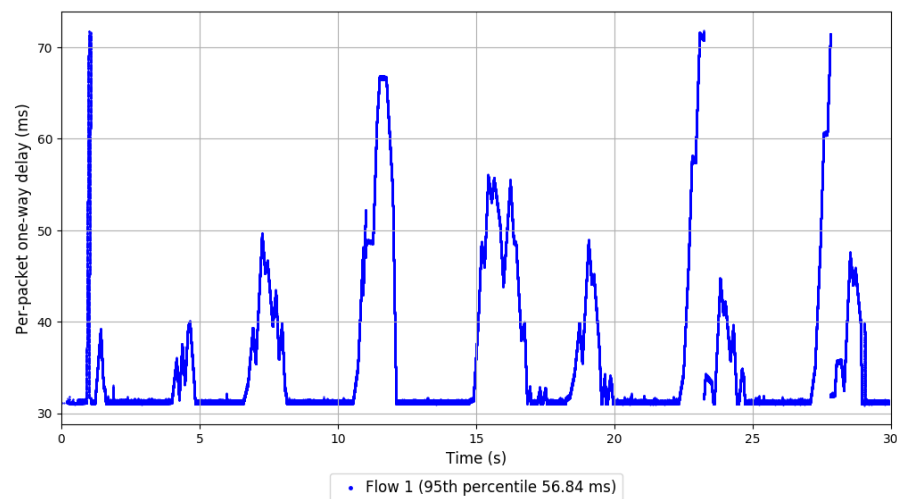
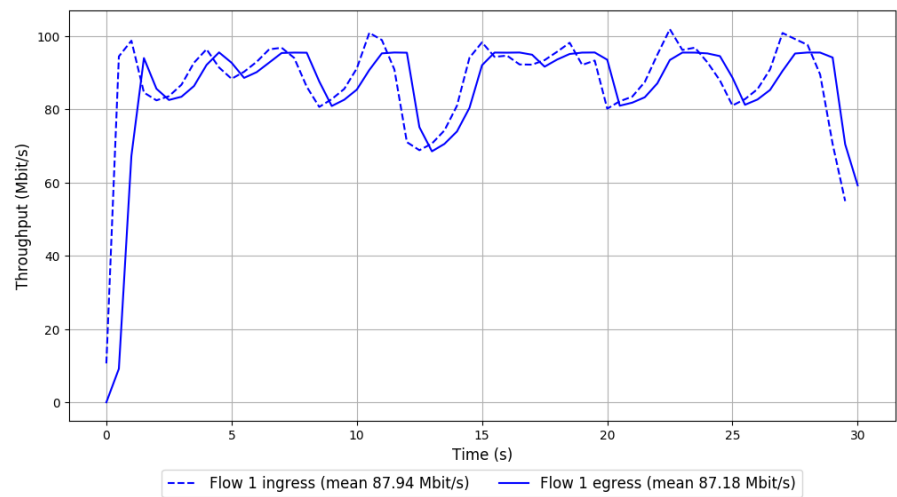
-- Flow 1:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 56.844 ms

Loss rate: 0.87%

Run 1: Report of PCC-Expr — Data Link

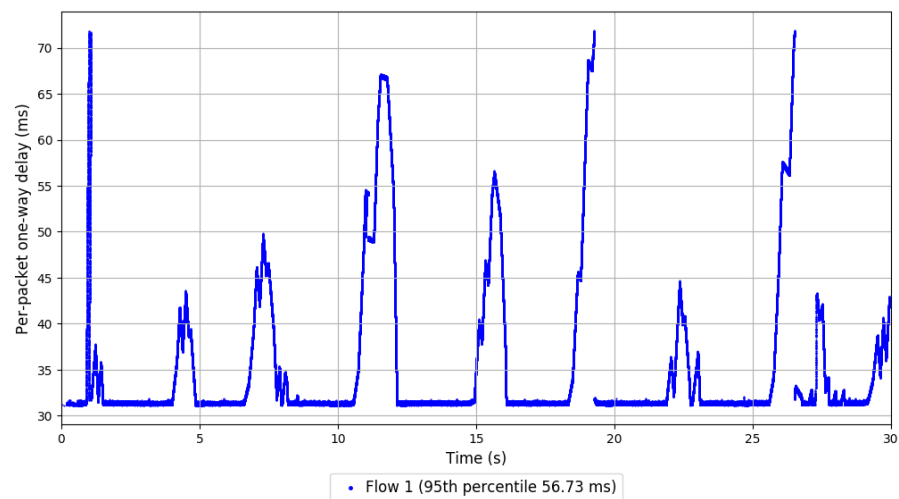
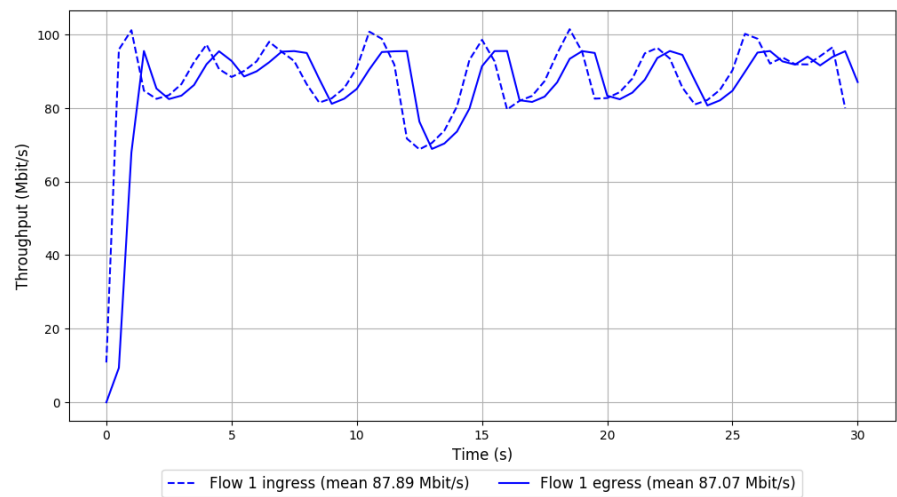


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 01:31:52
End at: 2018-08-09 01:32:22
Local clock offset: -3.026 ms
Remote clock offset: -2.858 ms

Below is generated by plot.py at 2018-08-09 05:00:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 56.730 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 56.730 ms
Loss rate: 0.90%

Run 2: Report of PCC-Expr — Data Link

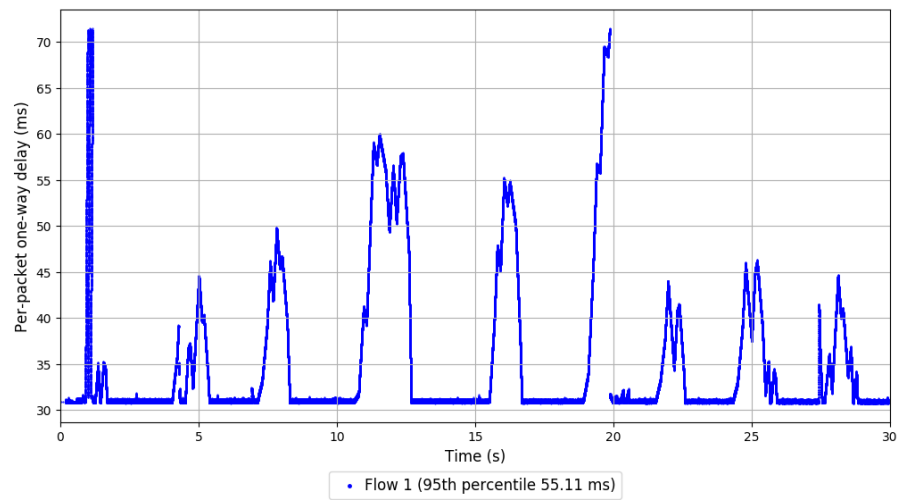
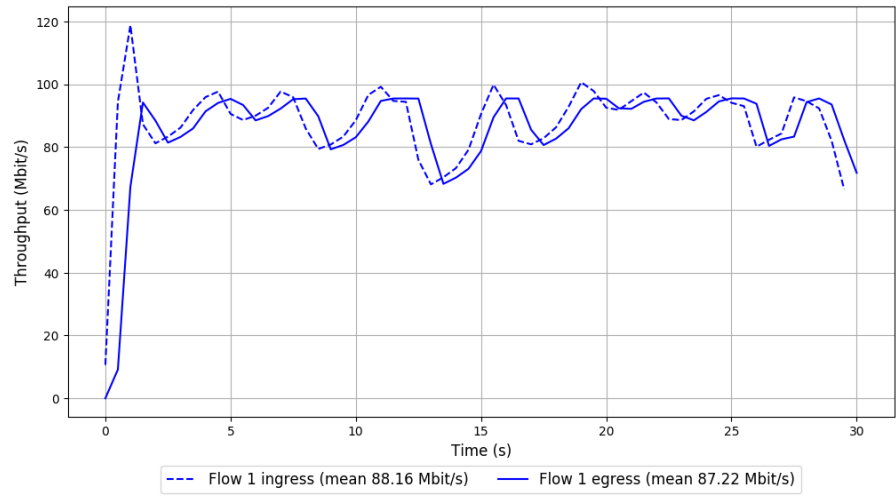


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 01:54:13
End at: 2018-08-09 01:54:43
Local clock offset: -3.573 ms
Remote clock offset: -2.161 ms

Below is generated by plot.py at 2018-08-09 05:00:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 55.108 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 55.108 ms
Loss rate: 1.07%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 02:16:30

End at: 2018-08-09 02:17:00

Local clock offset: -5.117 ms

Remote clock offset: 0.42 ms

Below is generated by plot.py at 2018-08-09 05:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 56.660 ms

Loss rate: 1.13%

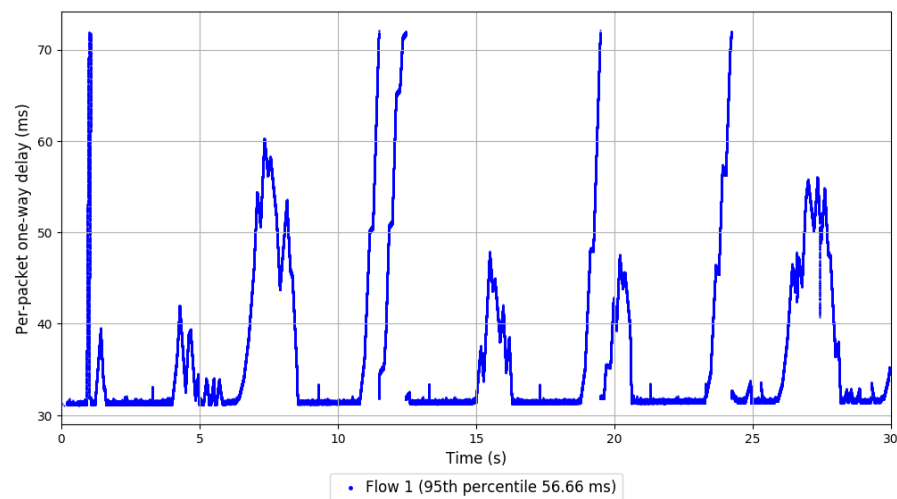
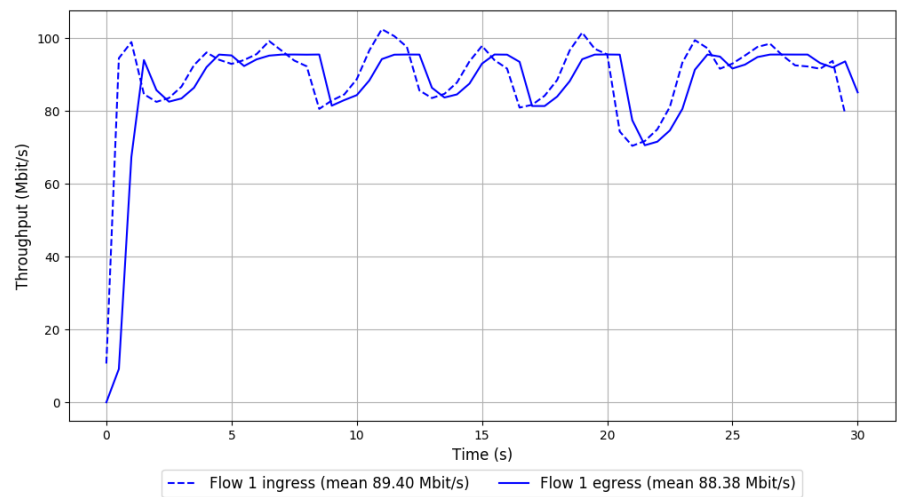
-- Flow 1:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 56.660 ms

Loss rate: 1.13%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 02:38:56

End at: 2018-08-09 02:39:26

Local clock offset: -0.38 ms

Remote clock offset: 1.126 ms

Below is generated by plot.py at 2018-08-09 05:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 60.728 ms

Loss rate: 0.99%

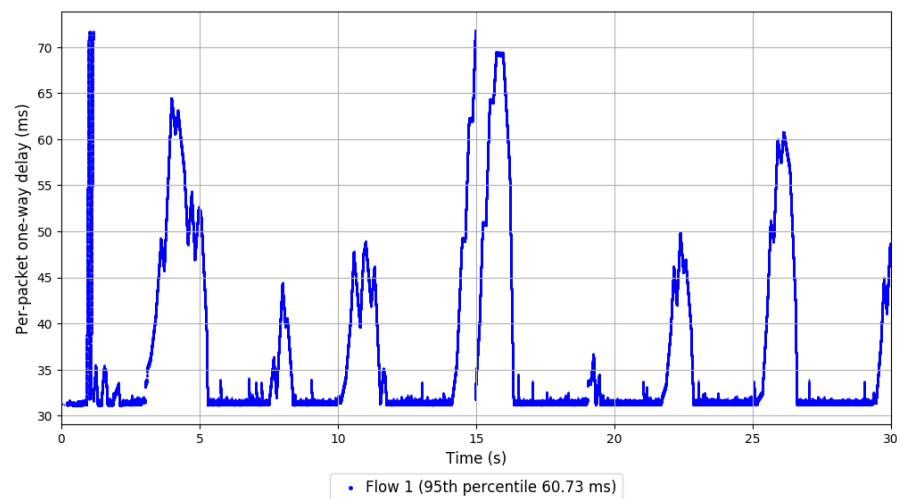
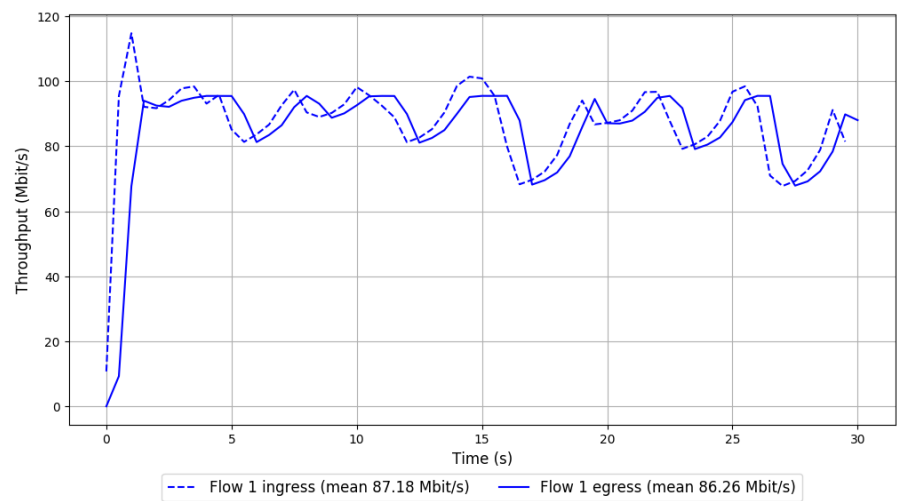
-- Flow 1:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 60.728 ms

Loss rate: 0.99%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 03:01:30

End at: 2018-08-09 03:02:00

Local clock offset: 0.277 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-09 05:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 57.283 ms

Loss rate: 0.68%

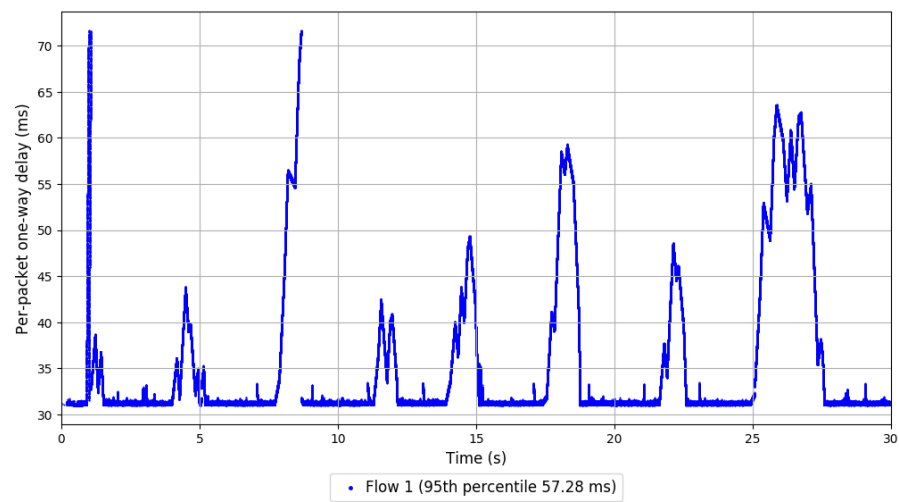
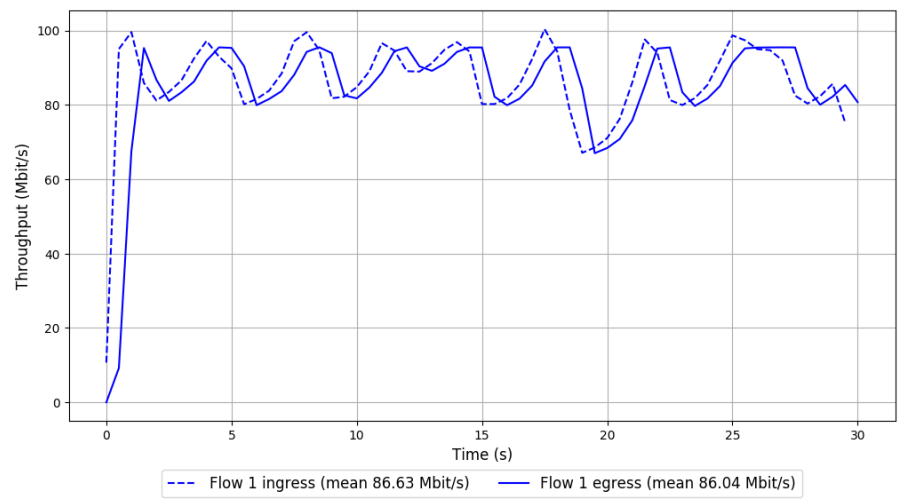
-- Flow 1:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 57.283 ms

Loss rate: 0.68%

Run 6: Report of PCC-Expr — Data Link

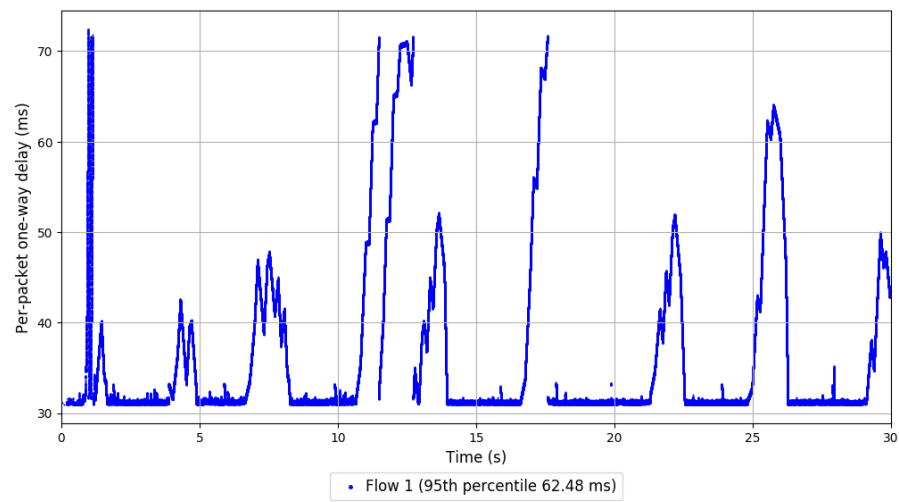
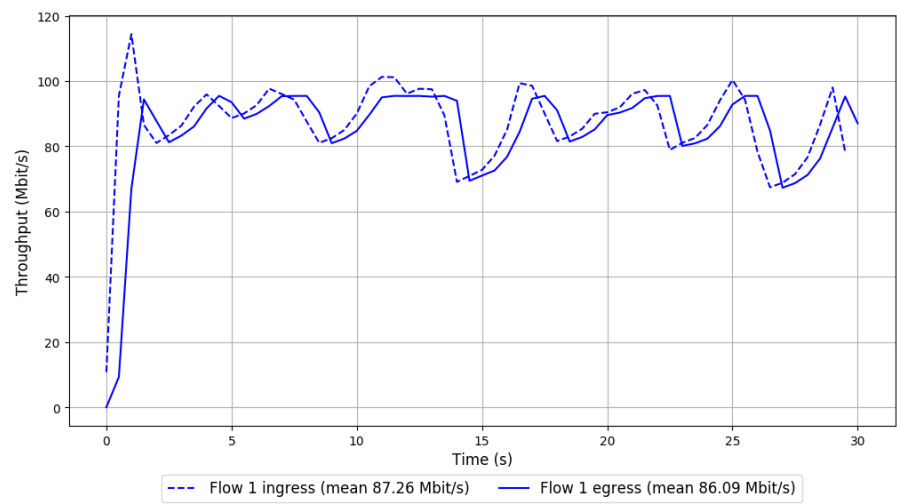


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 03:24:00
End at: 2018-08-09 03:24:30
Local clock offset: 0.291 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-08-09 05:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 62.475 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 62.475 ms
Loss rate: 1.30%

Run 7: Report of PCC-Expr — Data Link

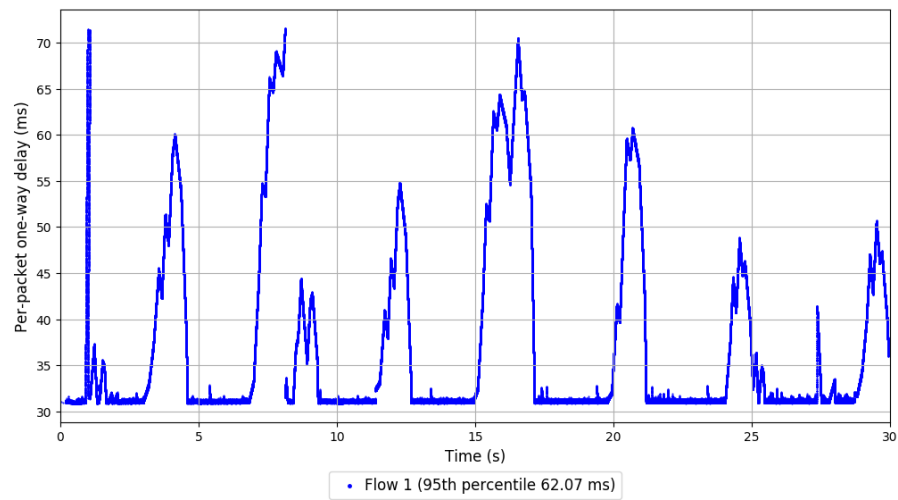
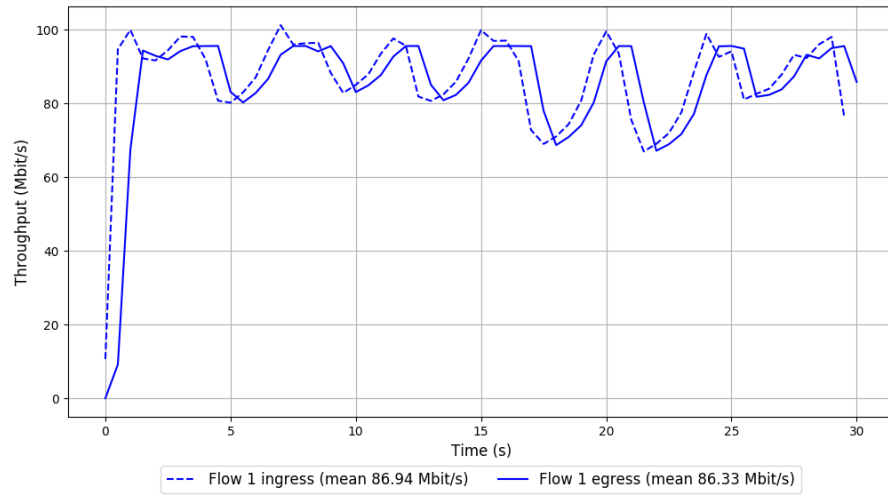


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 03:46:20
End at: 2018-08-09 03:46:50
Local clock offset: 0.163 ms
Remote clock offset: -0.833 ms

Below is generated by plot.py at 2018-08-09 05:01:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 0.68%

Run 8: Report of PCC-Expr — Data Link

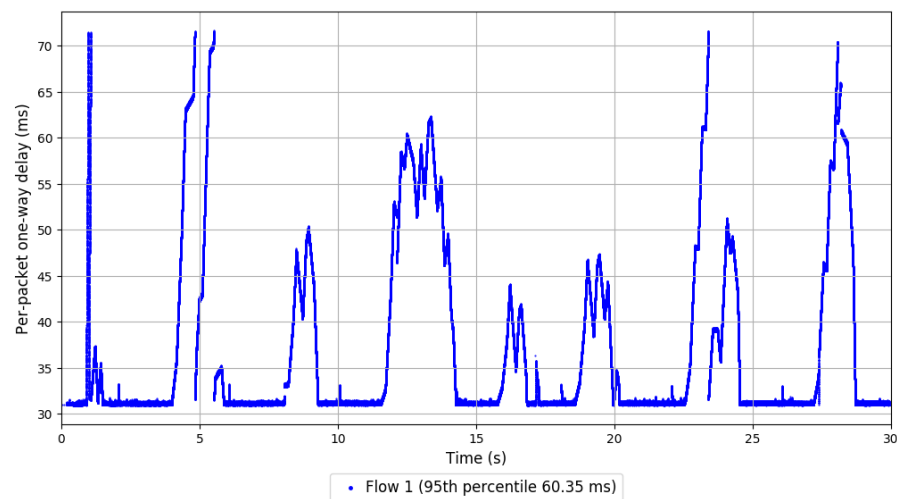
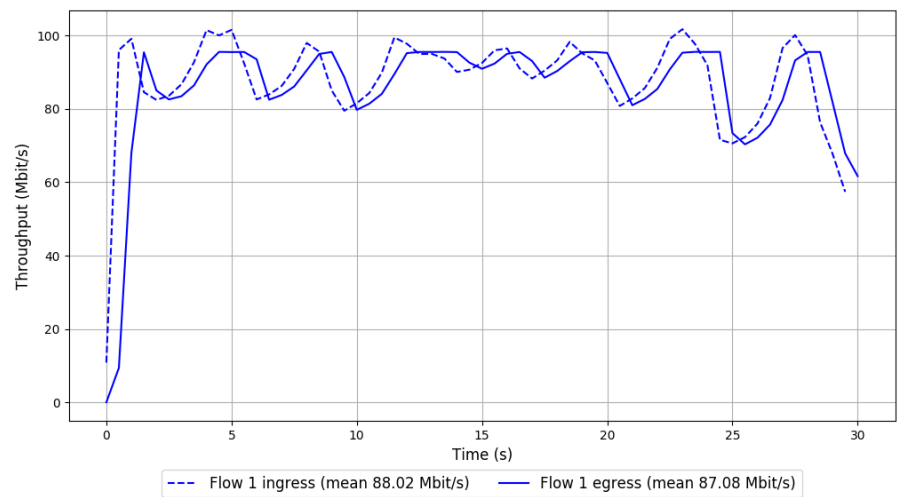


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 04:08:39
End at: 2018-08-09 04:09:09
Local clock offset: 0.326 ms
Remote clock offset: -1.579 ms

Below is generated by plot.py at 2018-08-09 05:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 60.348 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 60.348 ms
Loss rate: 1.06%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 04:30:54

End at: 2018-08-09 04:31:24

Local clock offset: 0.348 ms

Remote clock offset: -1.404 ms

Below is generated by plot.py at 2018-08-09 05:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.00 Mbit/s

95th percentile per-packet one-way delay: 60.339 ms

Loss rate: 0.68%

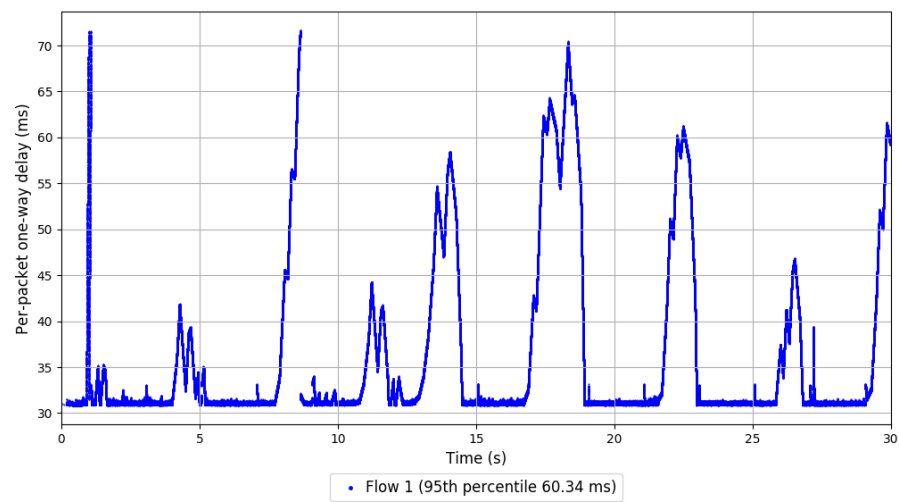
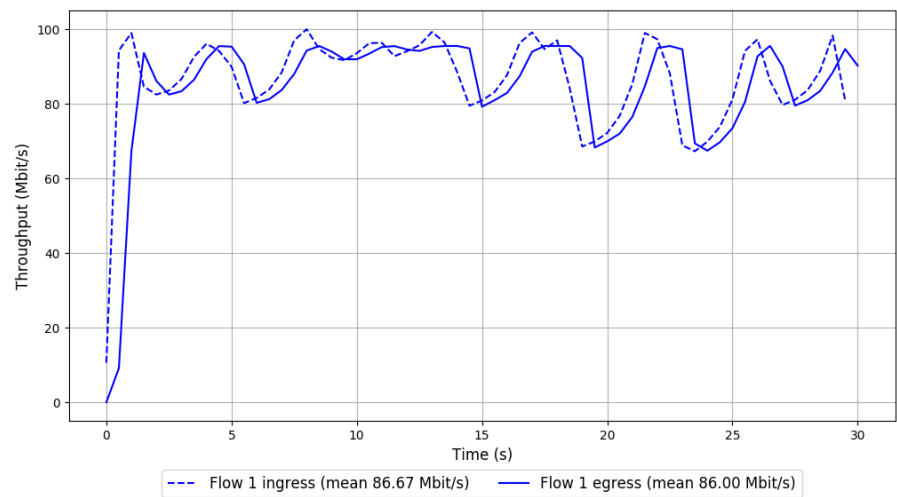
-- Flow 1:

Average throughput: 86.00 Mbit/s

95th percentile per-packet one-way delay: 60.339 ms

Loss rate: 0.68%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

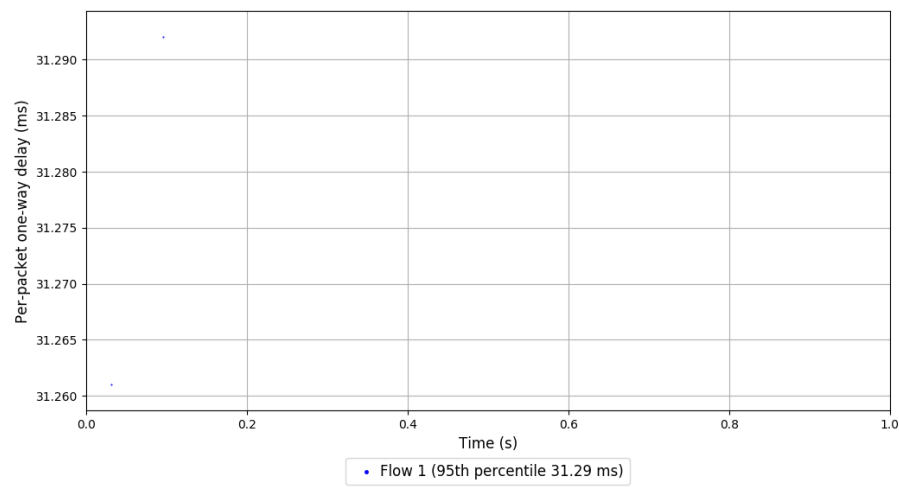
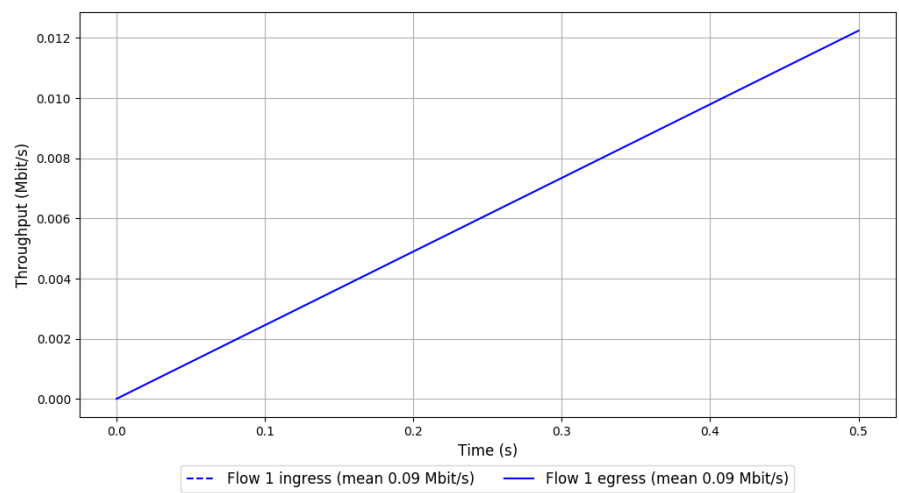
Start at: 2018-08-09 01:20:08

End at: 2018-08-09 01:20:38

Local clock offset: -6.17 ms

Remote clock offset: -2.591 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 01:42:26

End at: 2018-08-09 01:42:56

Local clock offset: -3.027 ms

Remote clock offset: -2.521 ms

Below is generated by plot.py at 2018-08-09 05:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.91 Mbit/s

95th percentile per-packet one-way delay: 67.795 ms

Loss rate: 1.78%

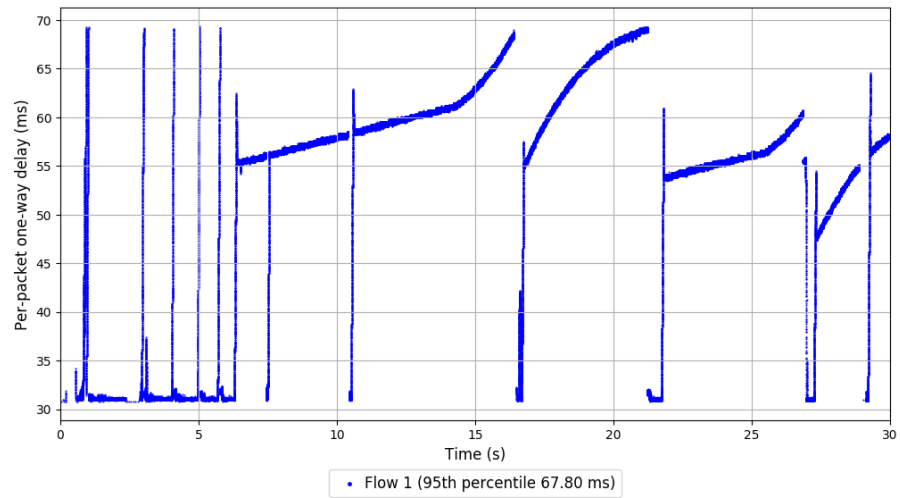
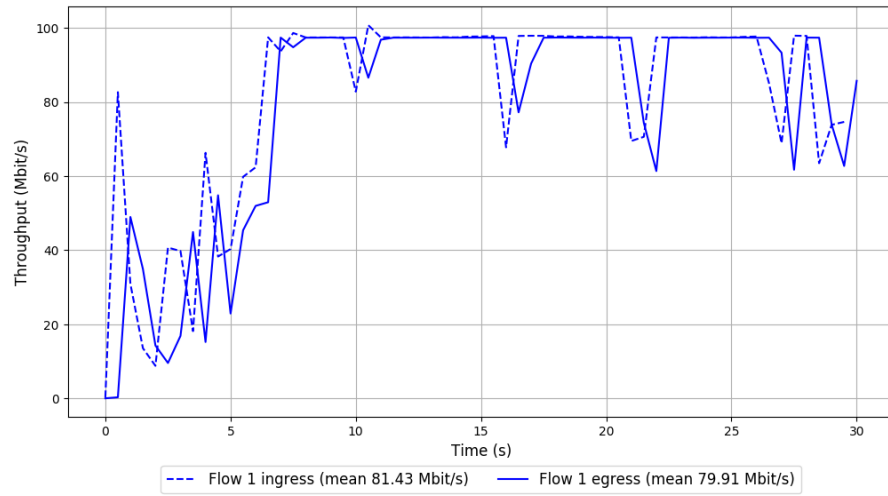
-- Flow 1:

Average throughput: 79.91 Mbit/s

95th percentile per-packet one-way delay: 67.795 ms

Loss rate: 1.78%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 02:04:44

End at: 2018-08-09 02:05:14

Local clock offset: -4.386 ms

Remote clock offset: -0.799 ms

Below is generated by plot.py at 2018-08-09 05:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 65.869 ms

Loss rate: 1.67%

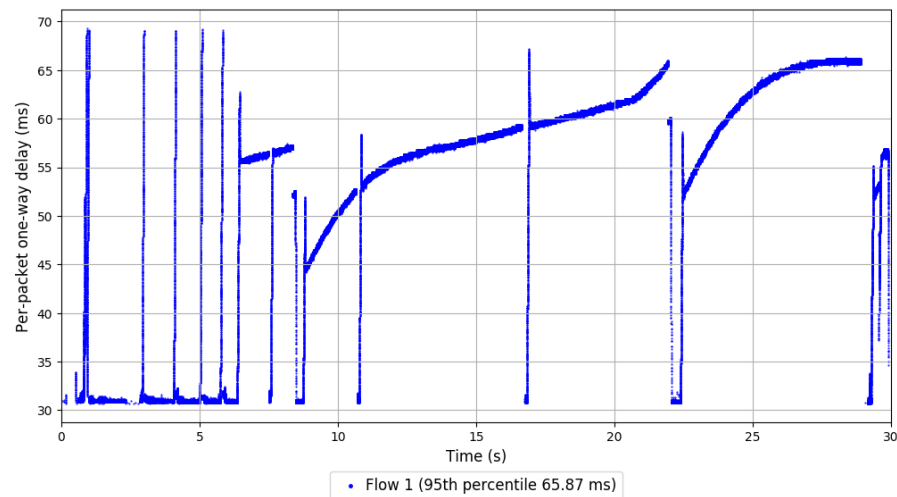
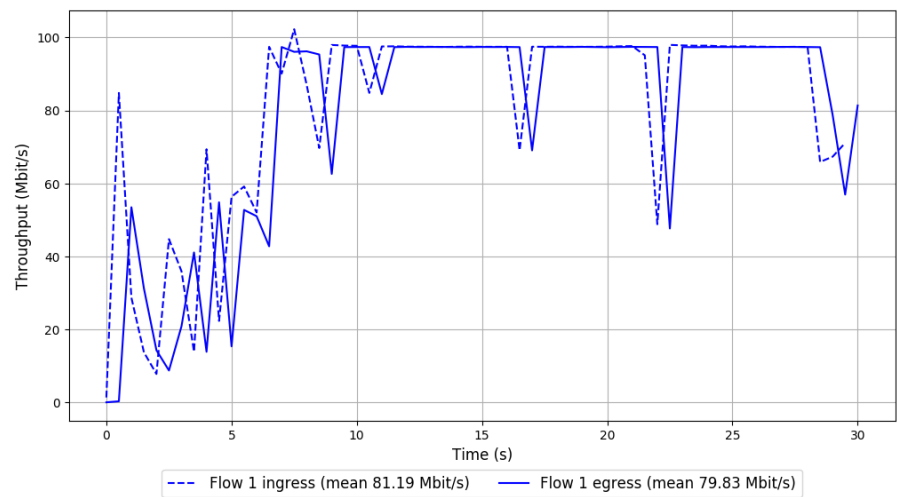
-- Flow 1:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 65.869 ms

Loss rate: 1.67%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 02:27:03

End at: 2018-08-09 02:27:33

Local clock offset: -1.422 ms

Remote clock offset: 1.625 ms

Below is generated by plot.py at 2018-08-09 05:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 68.179 ms

Loss rate: 1.80%

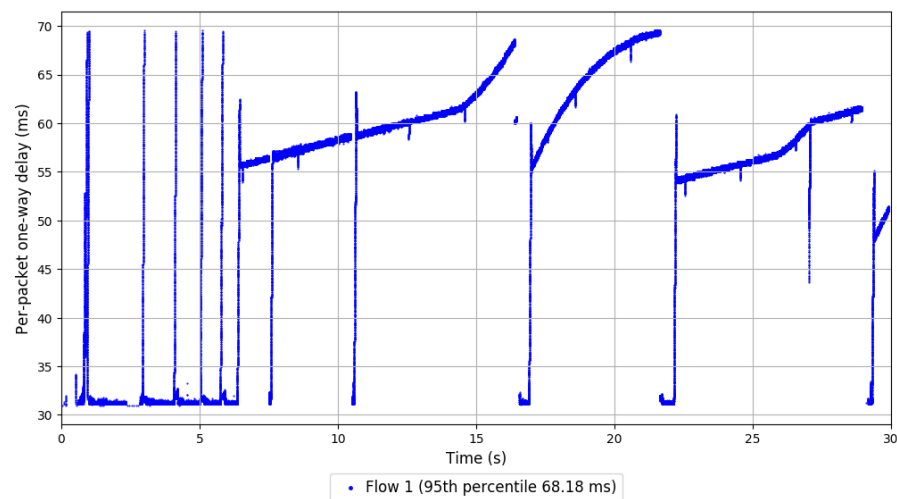
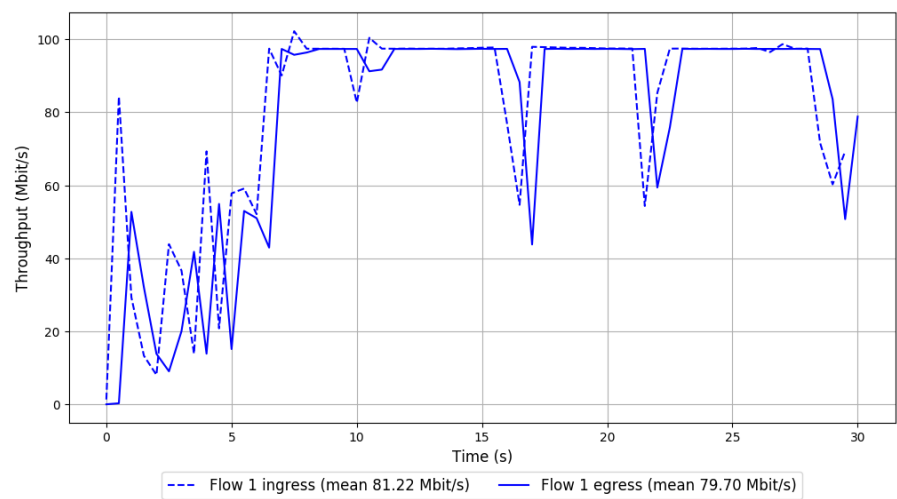
-- Flow 1:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 68.179 ms

Loss rate: 1.80%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 02:49:39

End at: 2018-08-09 02:50:09

Local clock offset: -0.135 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-08-09 05:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 66.536 ms

Loss rate: 0.94%

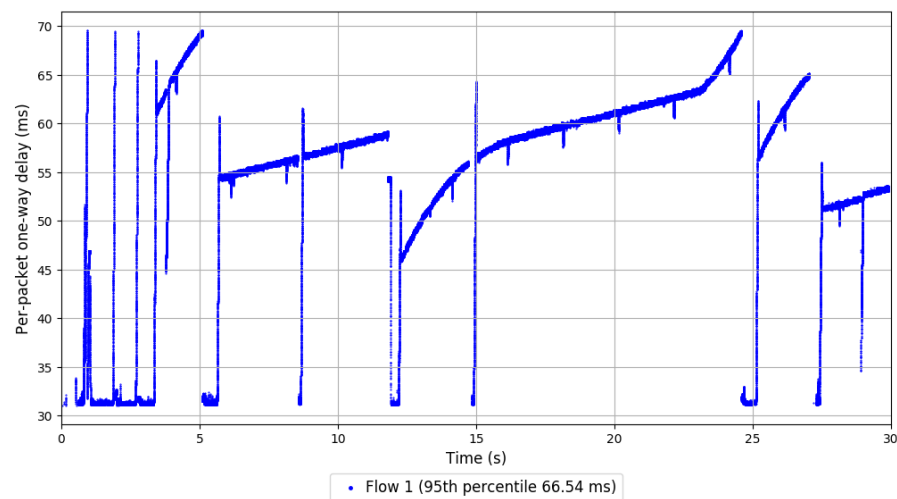
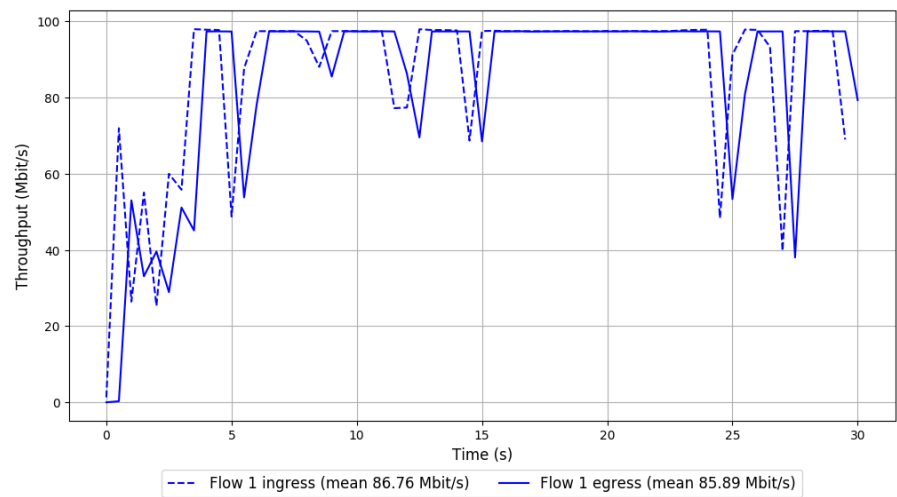
-- Flow 1:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 66.536 ms

Loss rate: 0.94%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 03:12:09

End at: 2018-08-09 03:12:39

Local clock offset: 0.213 ms

Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-08-09 05:02:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 67.647 ms

Loss rate: 1.68%

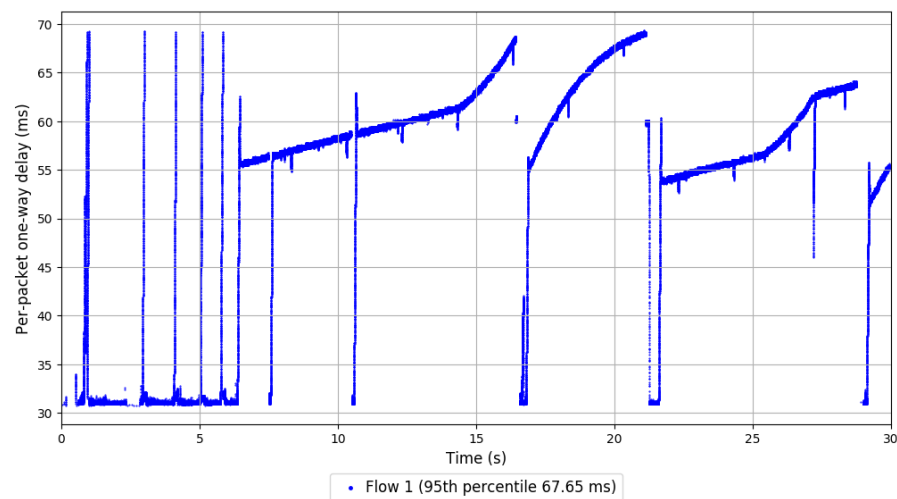
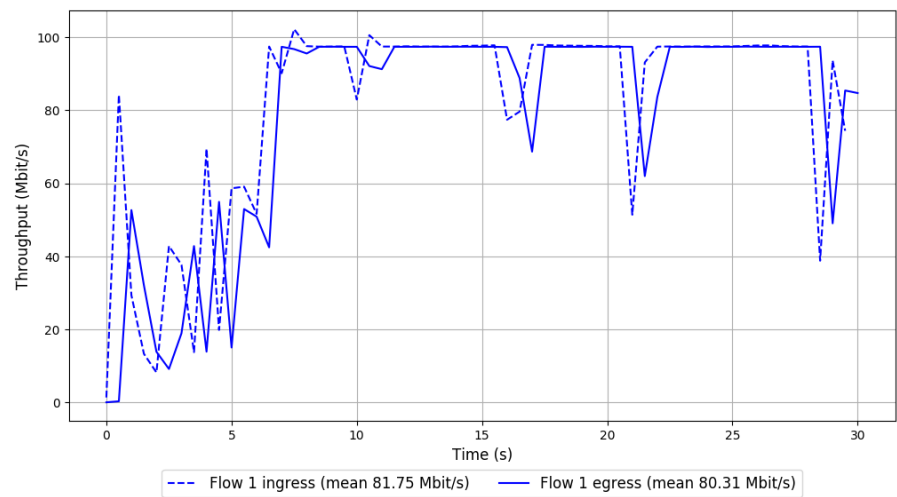
-- Flow 1:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 67.647 ms

Loss rate: 1.68%

Run 6: Report of QUIC Cubic — Data Link

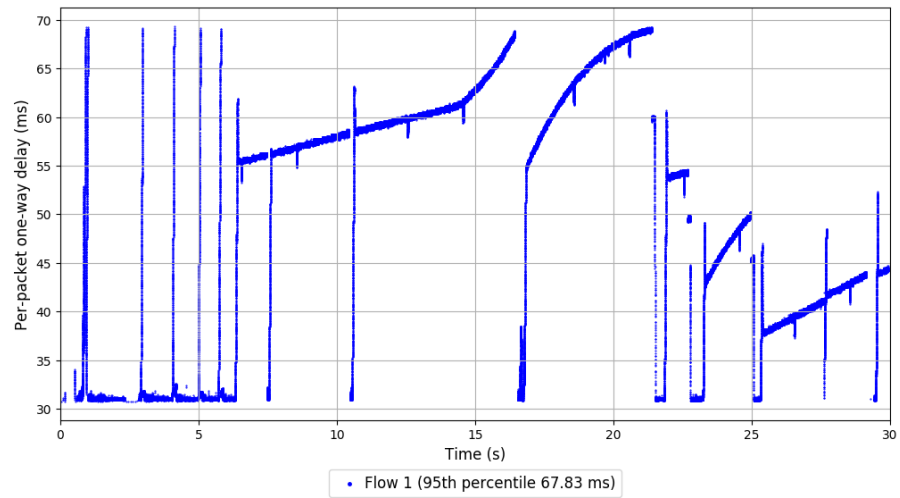
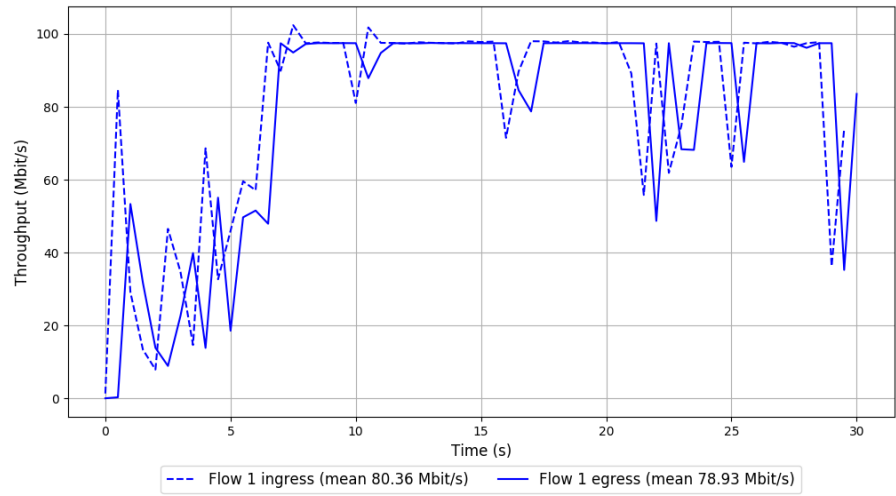


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 03:34:31
End at: 2018-08-09 03:35:01
Local clock offset: 0.214 ms
Remote clock offset: -0.537 ms

Below is generated by plot.py at 2018-08-09 05:02:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 67.829 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 67.829 ms
Loss rate: 1.73%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 03:56:53

End at: 2018-08-09 03:57:23

Local clock offset: 0.303 ms

Remote clock offset: -1.27 ms

Below is generated by plot.py at 2018-08-09 05:02:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 67.632 ms

Loss rate: 1.80%

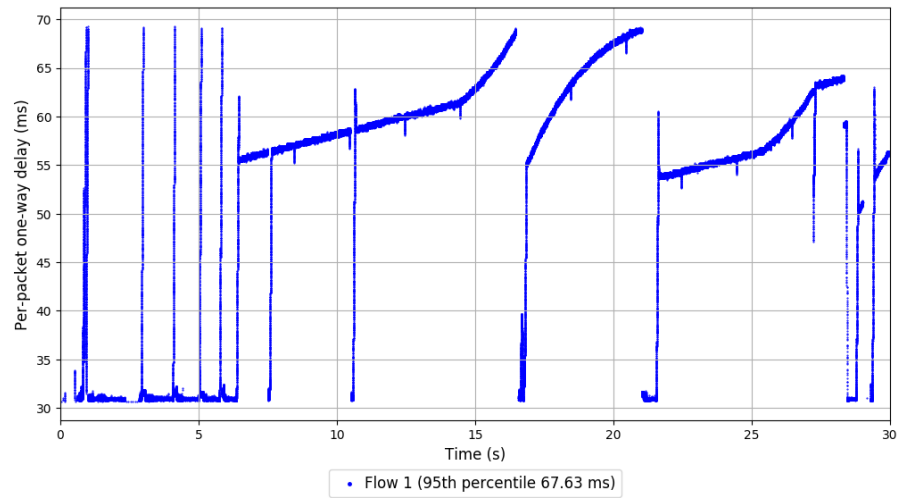
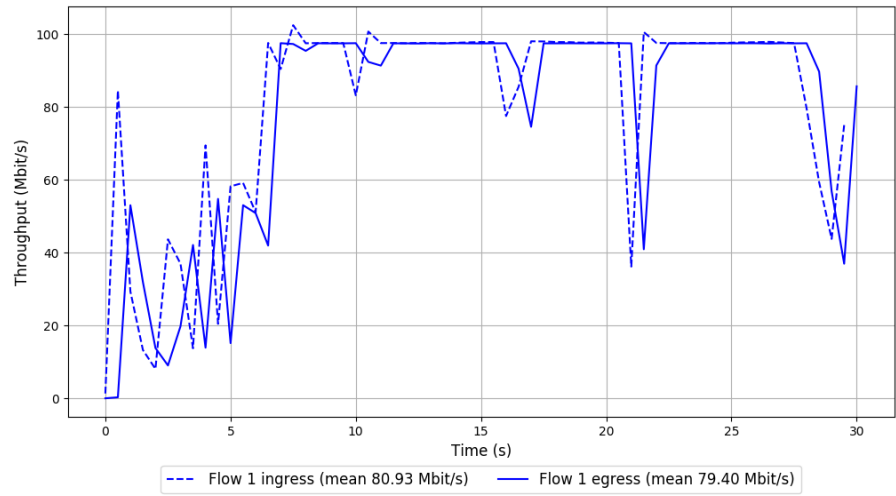
-- Flow 1:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 67.632 ms

Loss rate: 1.80%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

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

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

Local clock offset: 0.338 ms

Remote clock offset: -1.524 ms

Below is generated by plot.py at 2018-08-09 05:02:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.93 Mbit/s

95th percentile per-packet one-way delay: 67.588 ms

Loss rate: 0.94%

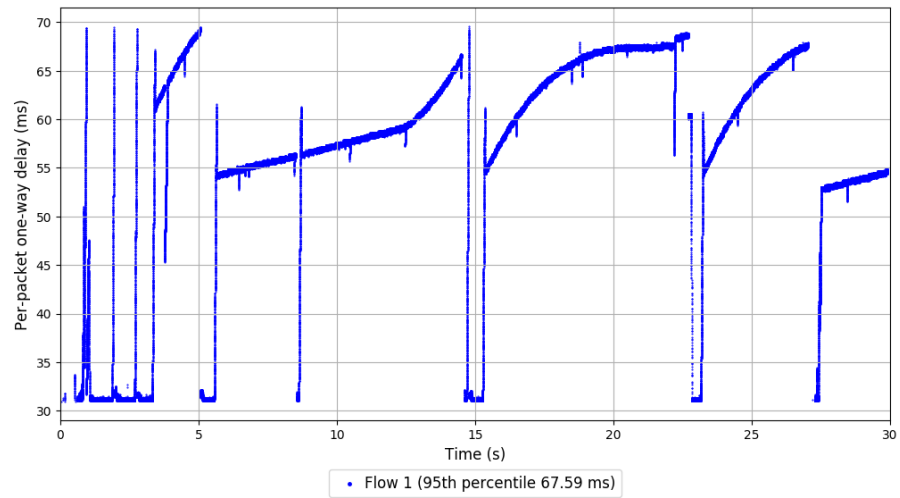
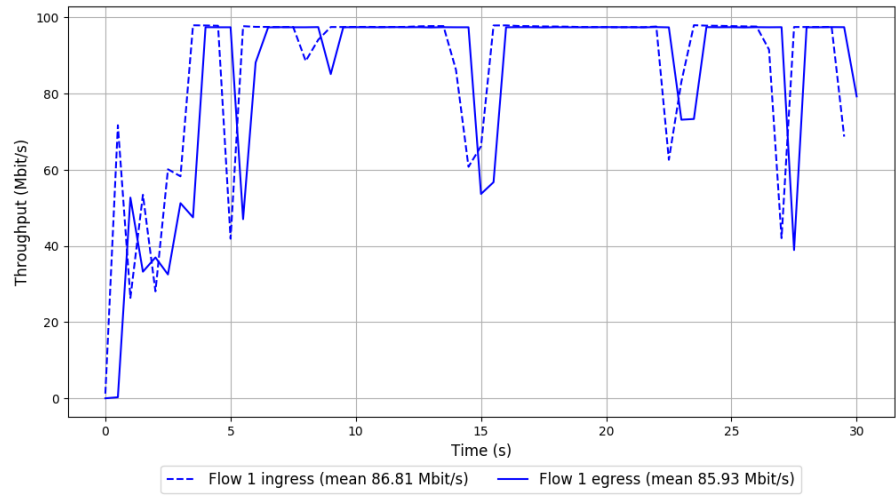
-- Flow 1:

Average throughput: 85.93 Mbit/s

95th percentile per-packet one-way delay: 67.588 ms

Loss rate: 0.94%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 04:41:39

End at: 2018-08-09 04:42:09

Local clock offset: 0.311 ms

Remote clock offset: -1.165 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 62.681 ms

Loss rate: 0.88%

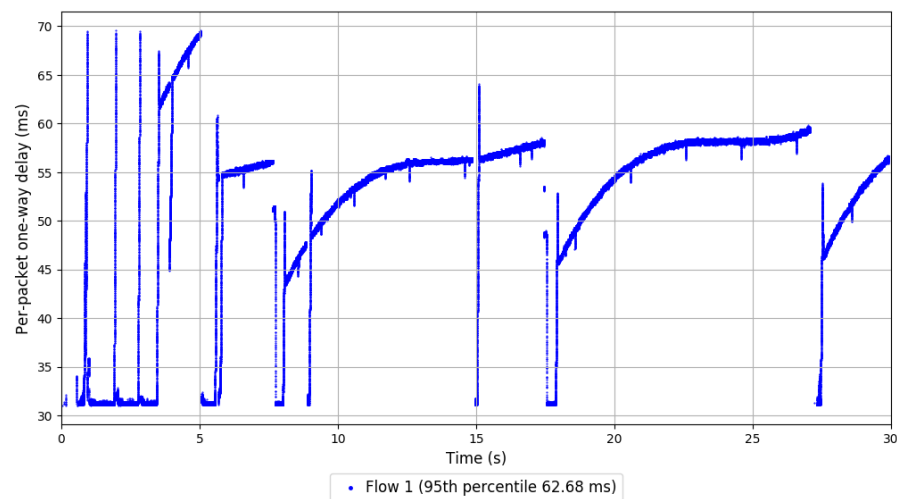
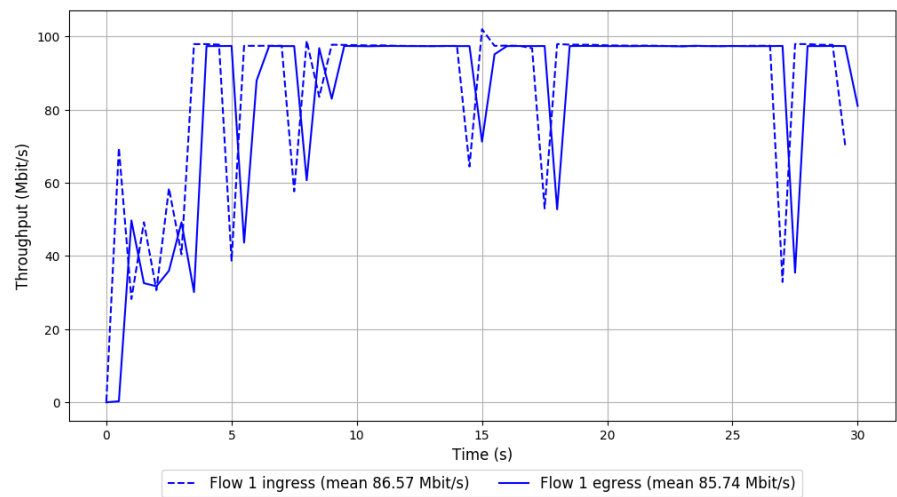
-- Flow 1:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 62.681 ms

Loss rate: 0.88%

Run 10: Report of QUIC Cubic — Data Link

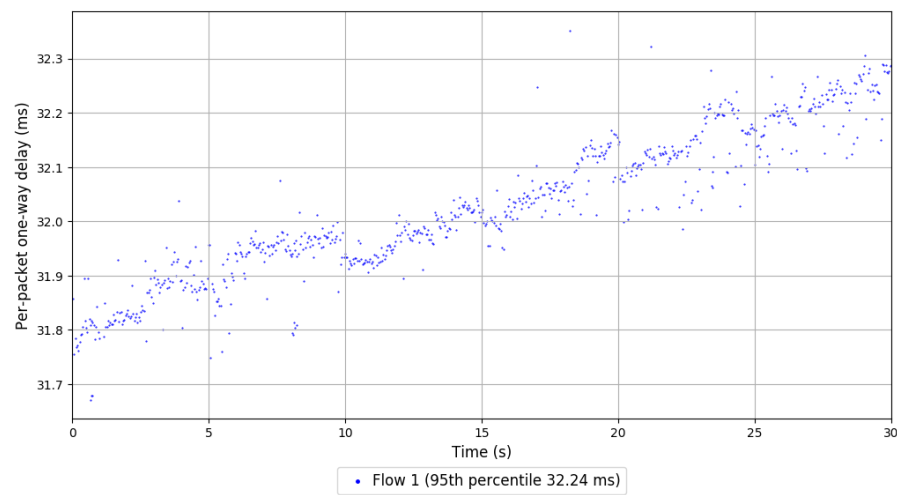
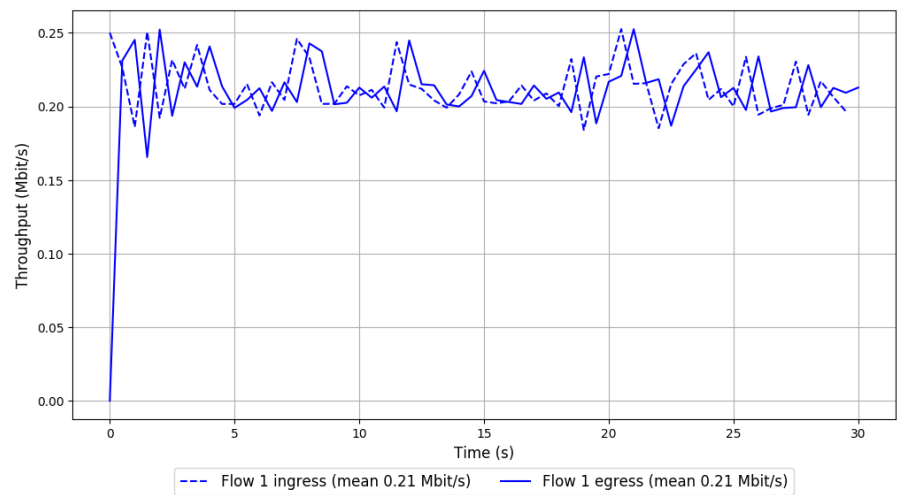


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 01:16:14
End at: 2018-08-09 01:16:44
Local clock offset: -9.283 ms
Remote clock offset: -2.371 ms

# Below is generated by plot.py at 2018-08-09 05:03:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.242 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

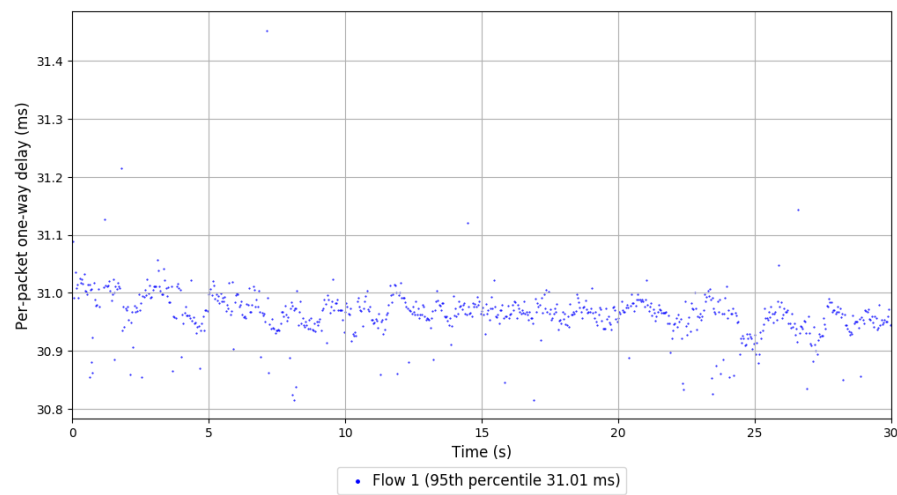
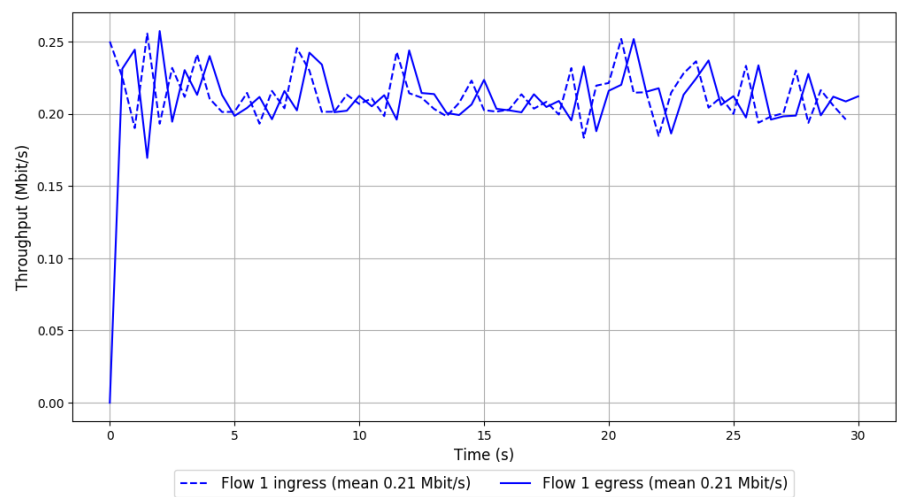


Run 2: Statistics of SCReAM

Start at: 2018-08-09 01:38:30
End at: 2018-08-09 01:39:00
Local clock offset: -2.949 ms
Remote clock offset: -2.869 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.013 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

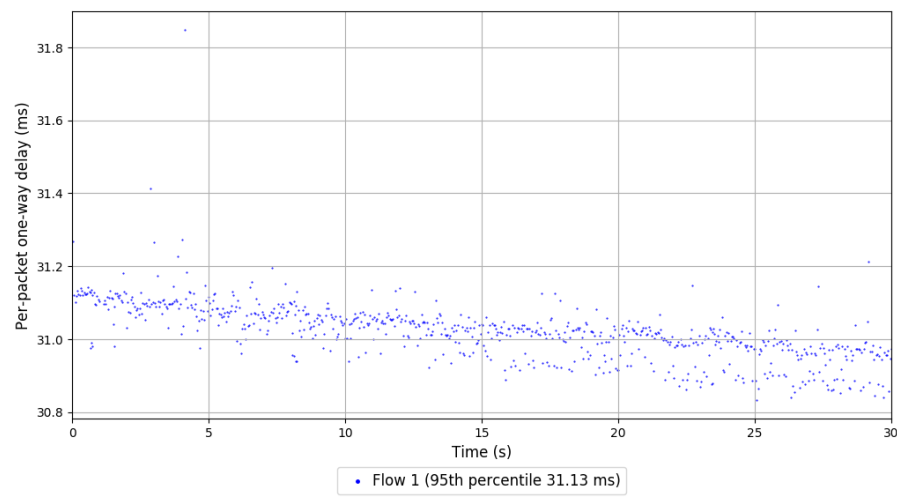
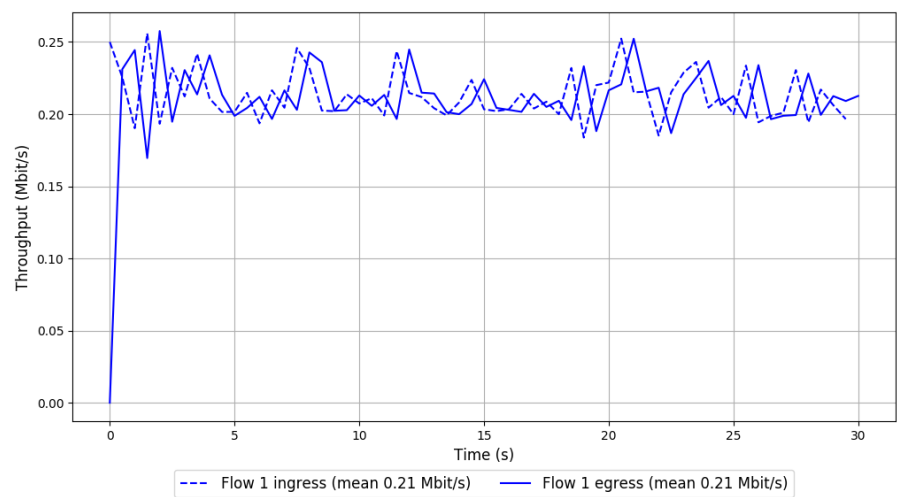


Run 3: Statistics of SCReAM

Start at: 2018-08-09 02:00:49
End at: 2018-08-09 02:01:19
Local clock offset: -4.075 ms
Remote clock offset: -1.478 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.126 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-09 02:23:07

End at: 2018-08-09 02:23:37

Local clock offset: -2.266 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.368 ms

Loss rate: 0.00%

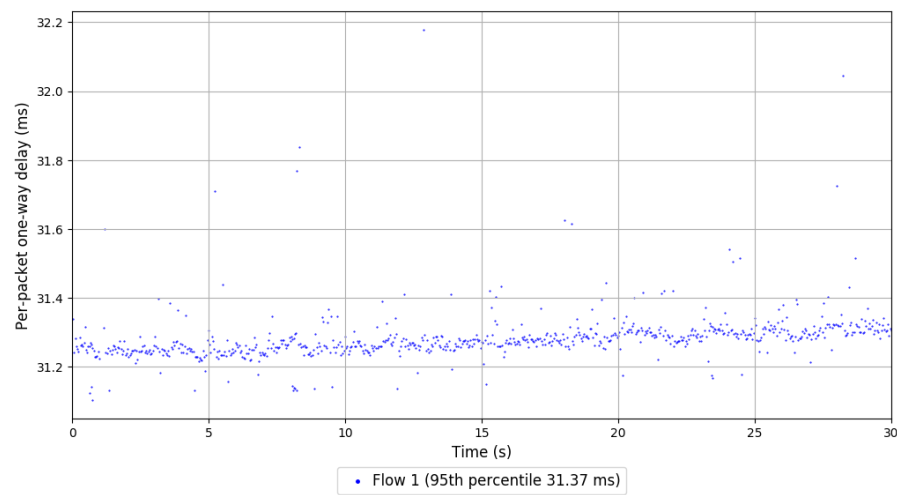
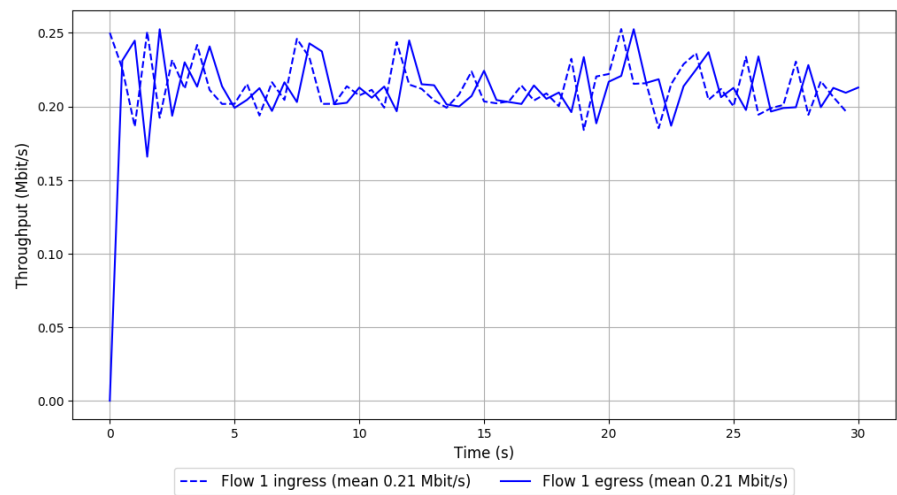
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.368 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

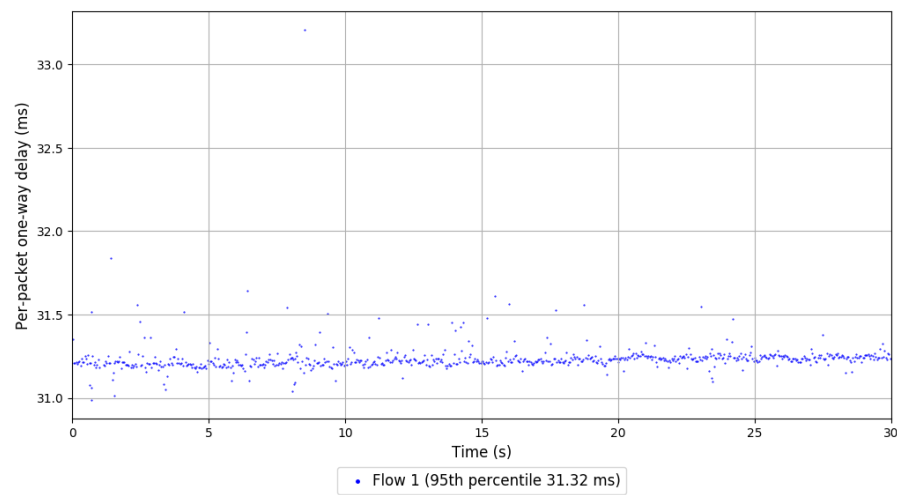
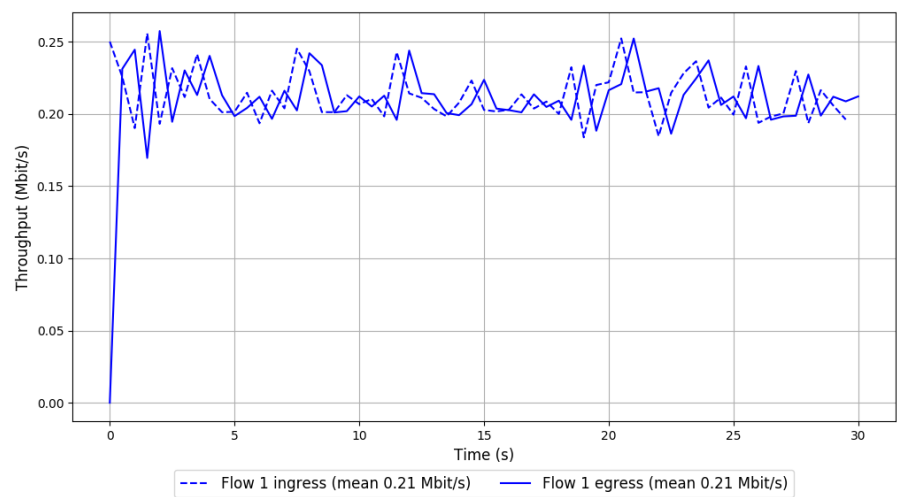


```
Run 5: Statistics of SCReAM

Start at: 2018-08-09 02:45:41
End at: 2018-08-09 02:46:11
Local clock offset: -0.273 ms
Remote clock offset: 0.309 ms

# Below is generated by plot.py at 2018-08-09 05:03:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.324 ms
Loss rate: 0.00%
```


Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-09 03:08:12

End at: 2018-08-09 03:08:42

Local clock offset: 0.22 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.393 ms

Loss rate: 0.00%

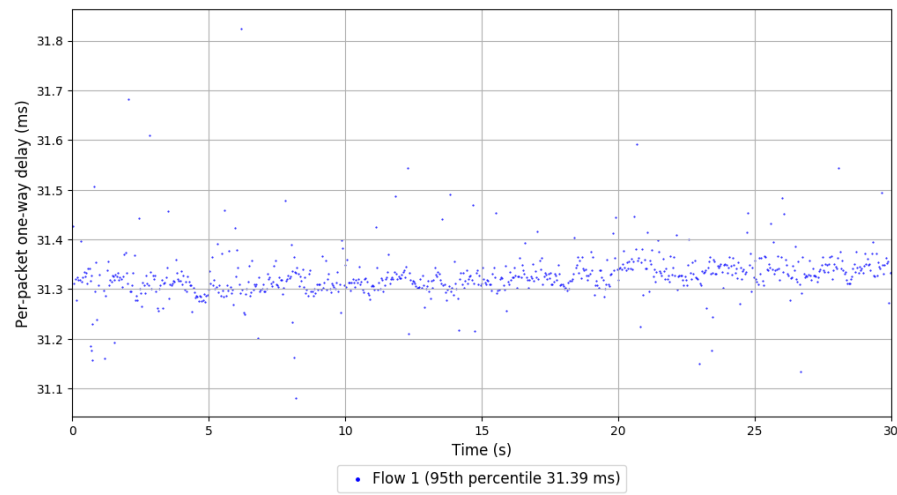
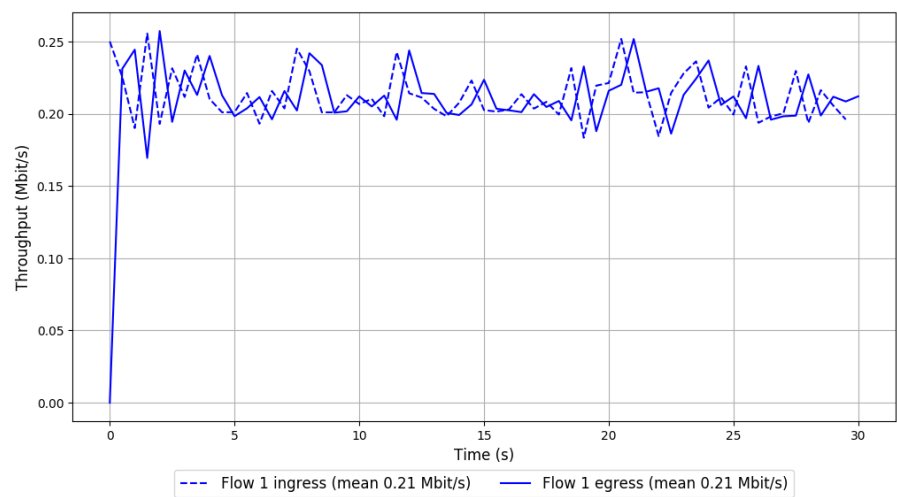
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.393 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

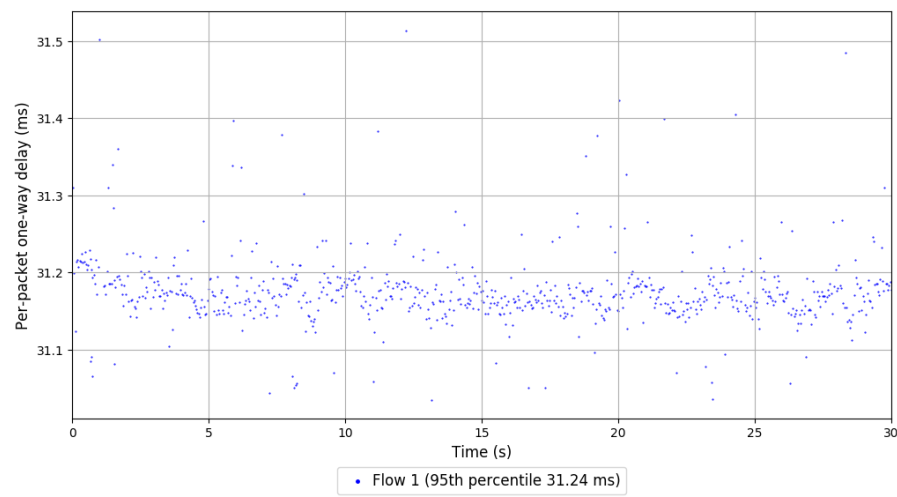
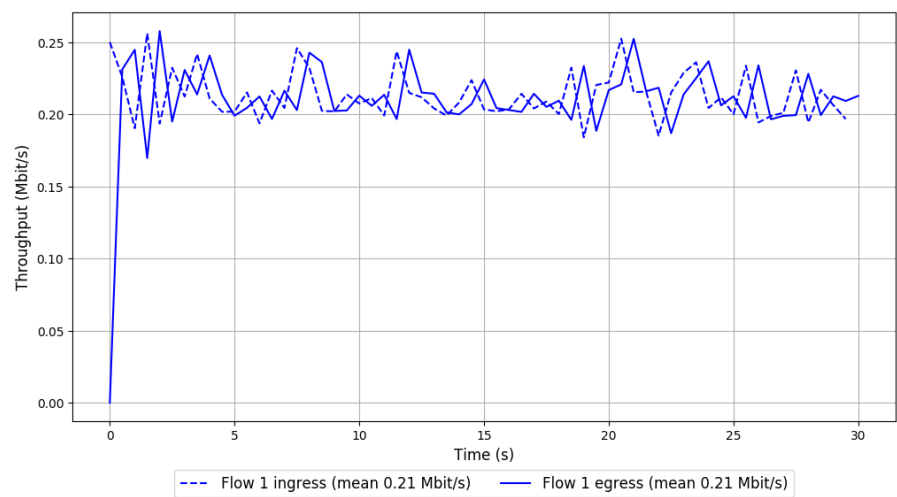


Run 7: Statistics of SCReAM

Start at: 2018-08-09 03:30:35
End at: 2018-08-09 03:31:05
Local clock offset: 0.232 ms
Remote clock offset: -0.444 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.242 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

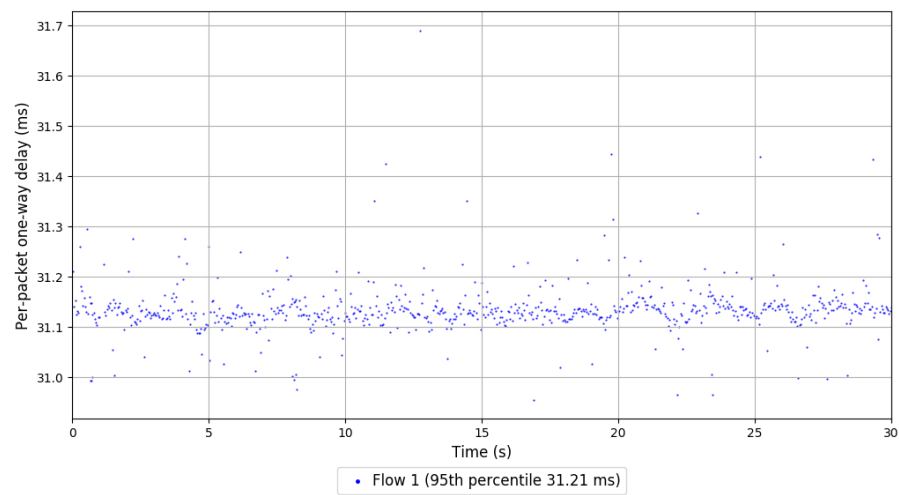
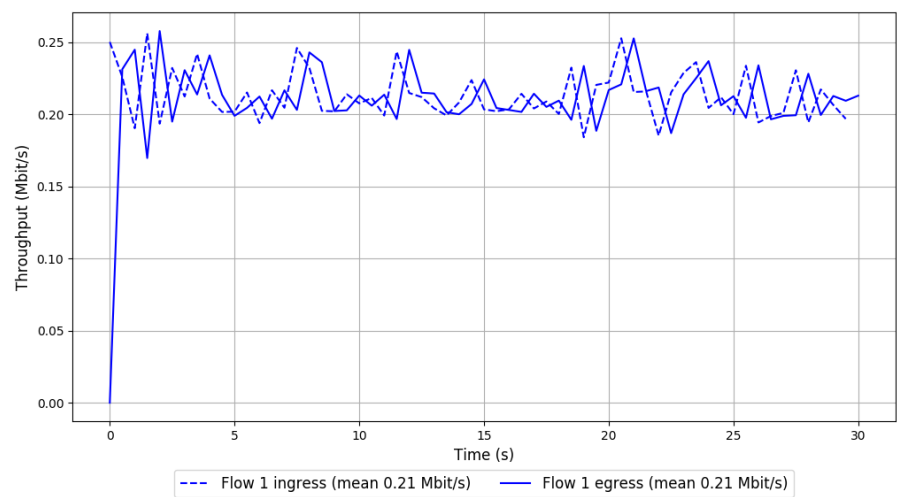


Run 8: Statistics of SCReAM

Start at: 2018-08-09 03:52:57
End at: 2018-08-09 03:53:27
Local clock offset: 0.185 ms
Remote clock offset: -1.138 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.209 ms
Loss rate: 0.00%

Run 8: Report of SCRaM — Data Link

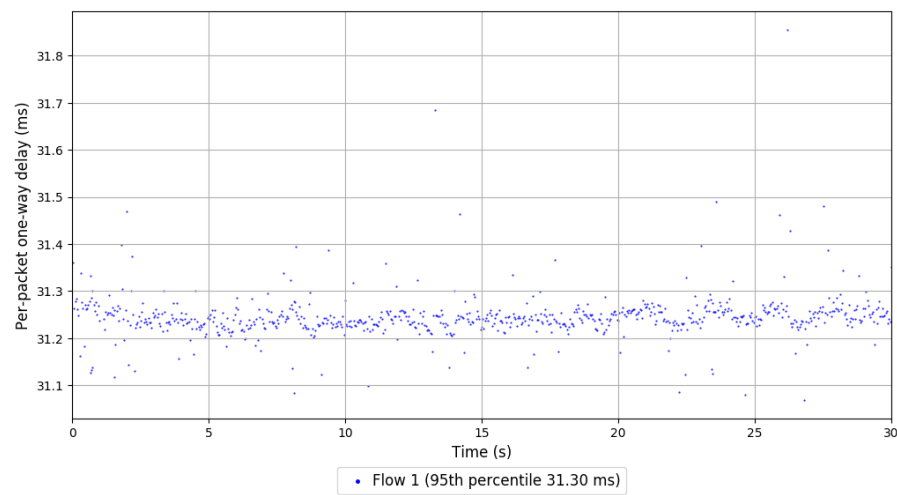
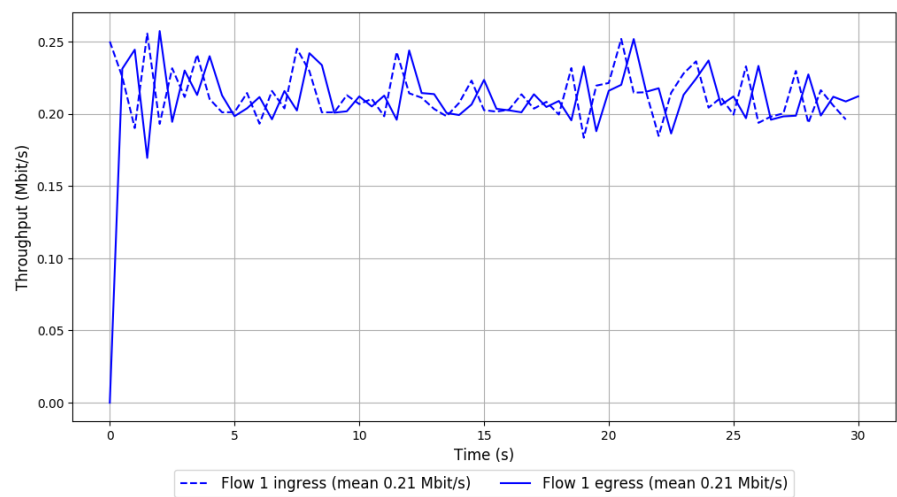


Run 9: Statistics of SCReAM

Start at: 2018-08-09 04:15:15
End at: 2018-08-09 04:15:45
Local clock offset: 0.309 ms
Remote clock offset: -1.673 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 04:37:45

End at: 2018-08-09 04:38:15

Local clock offset: 0.397 ms

Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.040 ms

Loss rate: 0.00%

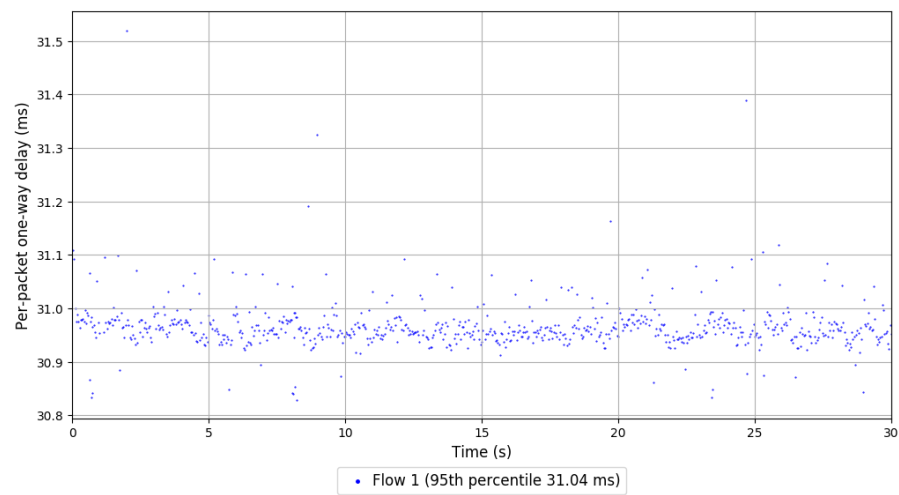
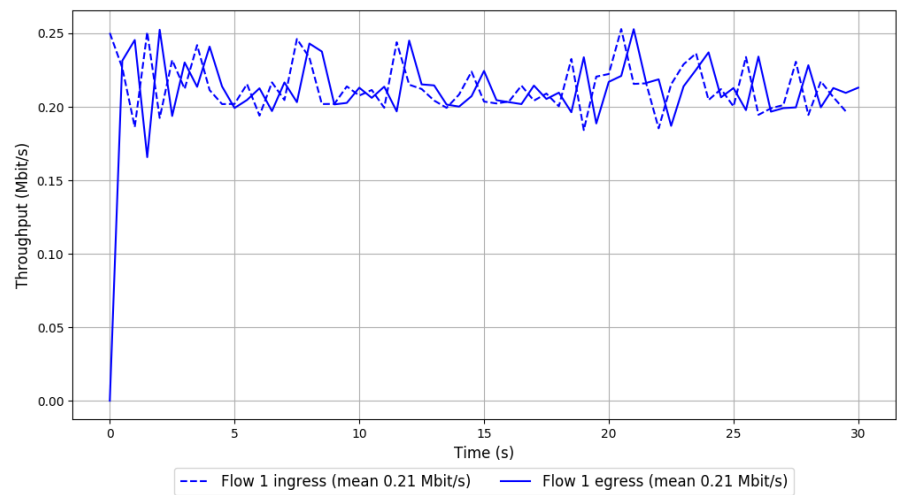
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.040 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

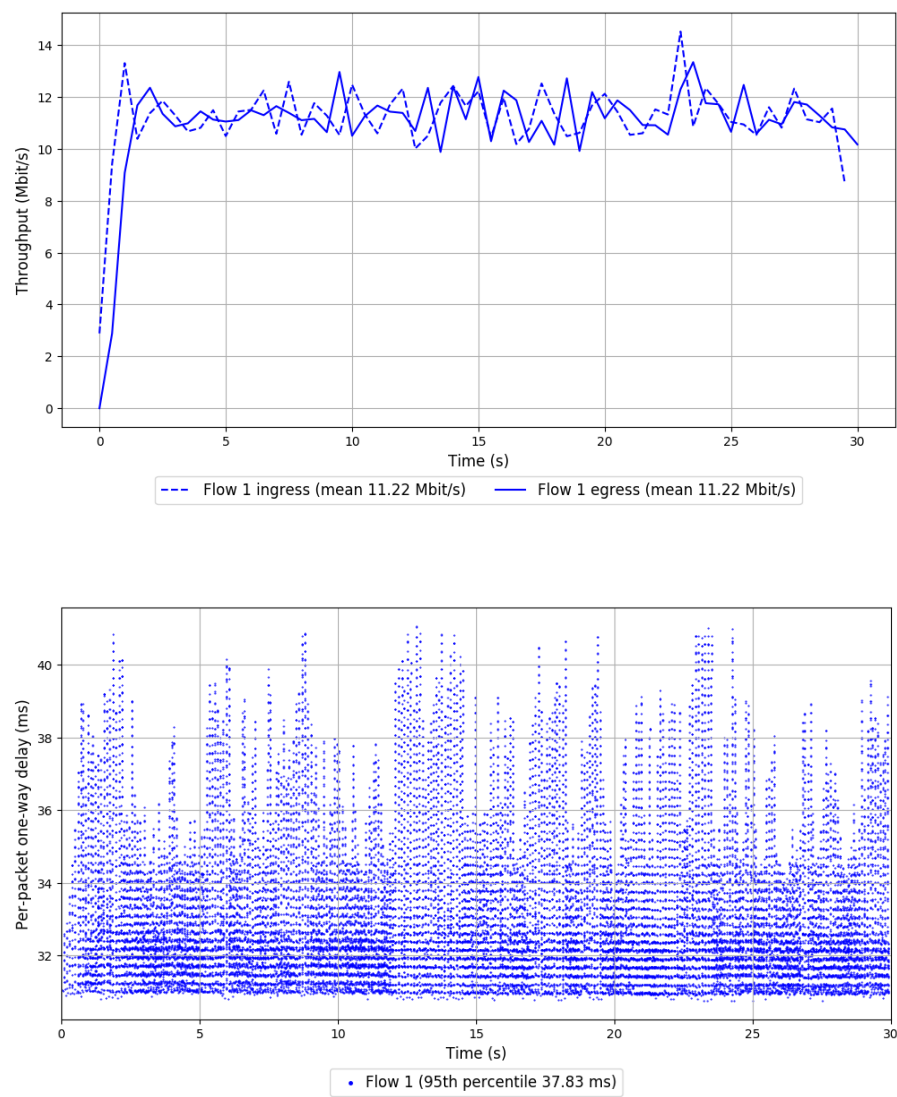


Run 1: Statistics of Sprout

Start at: 2018-08-09 01:11:00
End at: 2018-08-09 01:11:30
Local clock offset: -8.471 ms
Remote clock offset: -2.076 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 37.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 37.833 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

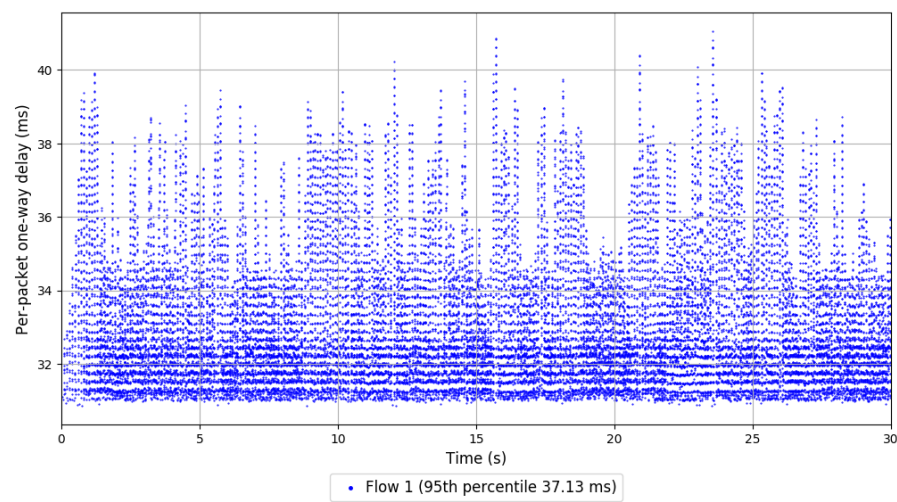
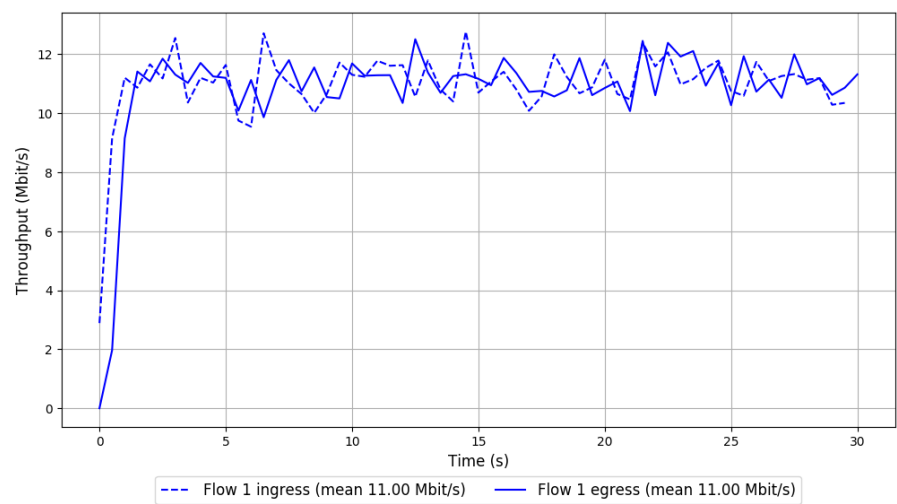


Run 2: Statistics of Sprout

Start at: 2018-08-09 01:33:15
End at: 2018-08-09 01:33:45
Local clock offset: -2.849 ms
Remote clock offset: -2.866 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 37.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 37.132 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

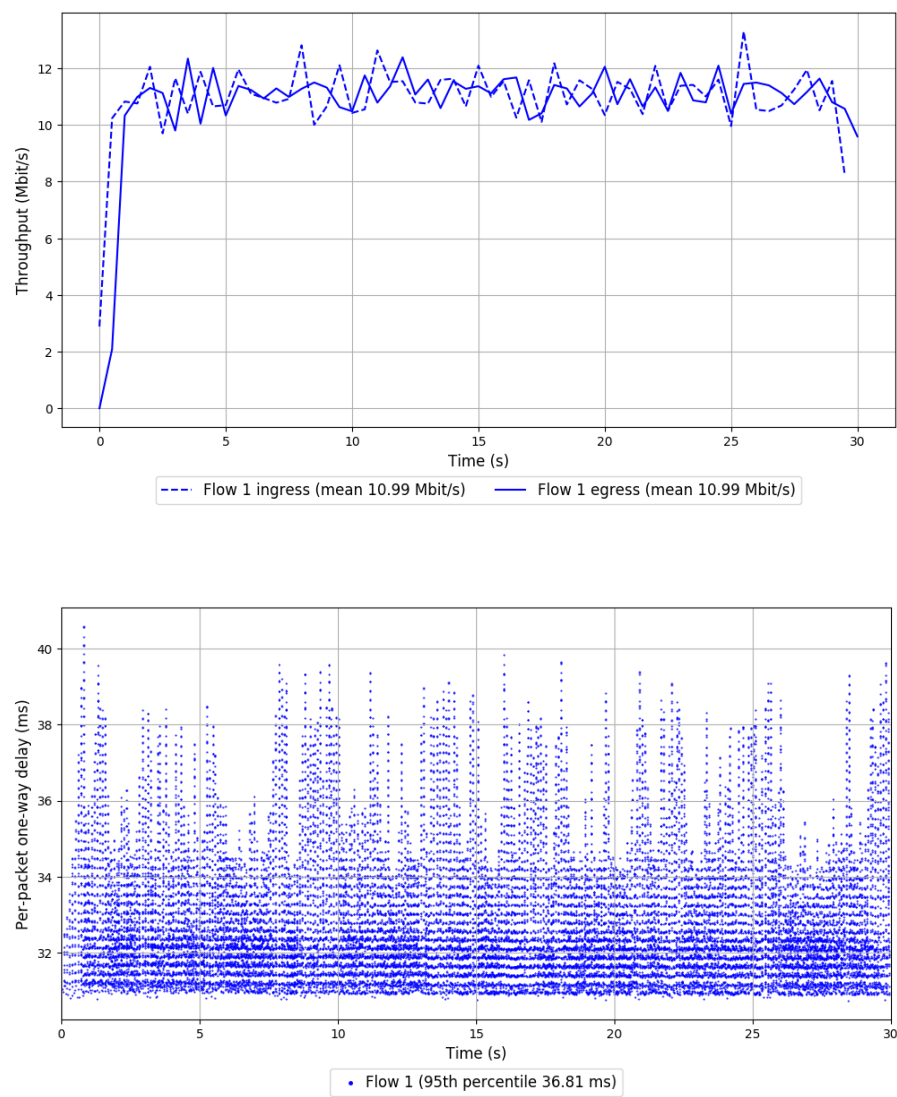


Run 3: Statistics of Sprout

Start at: 2018-08-09 01:55:35
End at: 2018-08-09 01:56:05
Local clock offset: -3.672 ms
Remote clock offset: -1.916 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 36.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 36.812 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

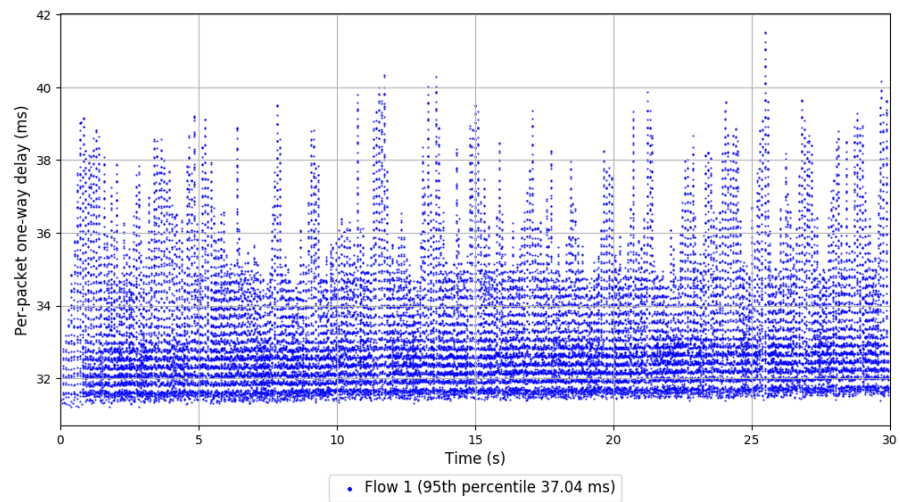
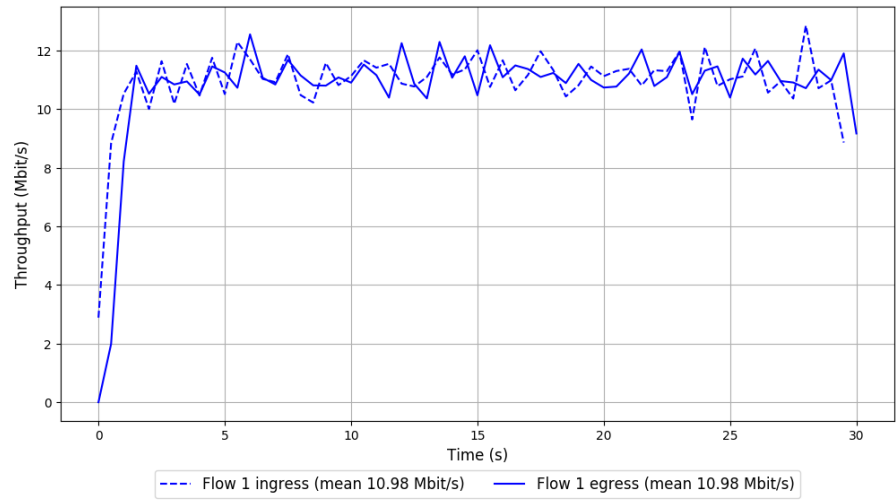


Run 4: Statistics of Sprout

Start at: 2018-08-09 02:17:52
End at: 2018-08-09 02:18:22
Local clock offset: -4.332 ms
Remote clock offset: 0.712 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 37.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 37.036 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-09 02:40:20

End at: 2018-08-09 02:40:50

Local clock offset: -0.356 ms

Remote clock offset: 0.89 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 37.489 ms

Loss rate: 0.00%

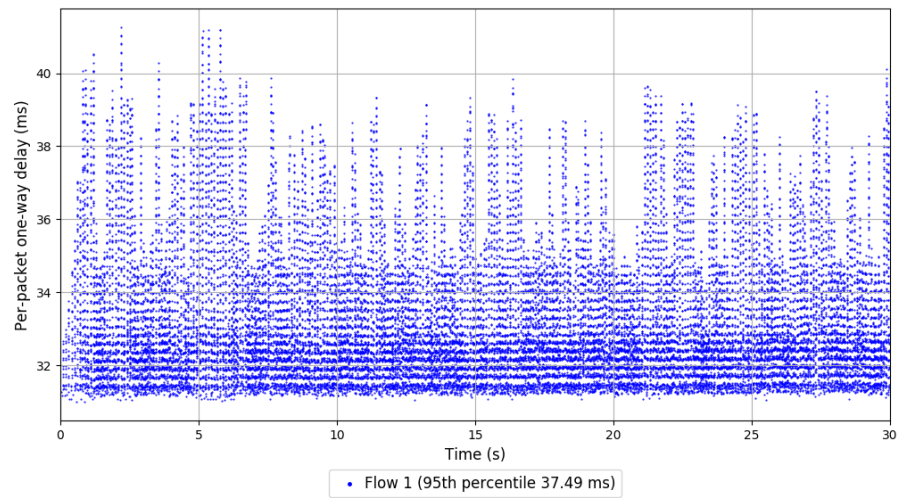
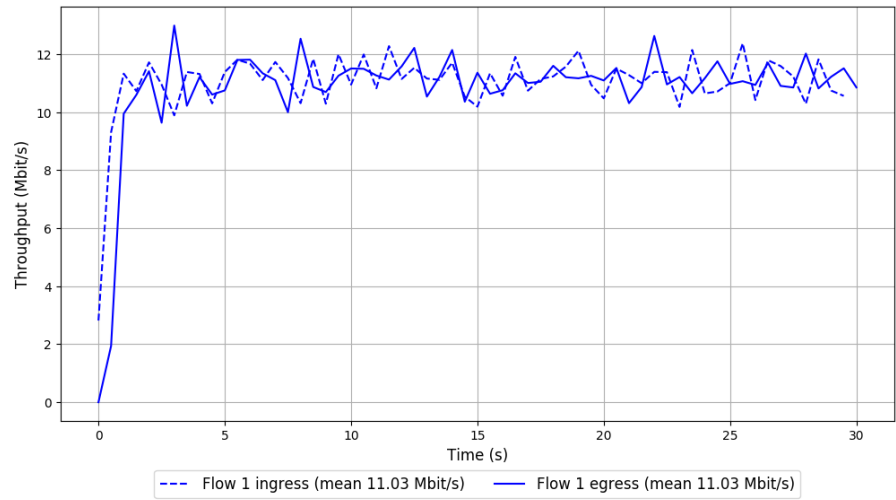
-- Flow 1:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 37.489 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-09 03:02:54

End at: 2018-08-09 03:03:24

Local clock offset: 0.282 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.01 Mbit/s

95th percentile per-packet one-way delay: 37.213 ms

Loss rate: 0.00%

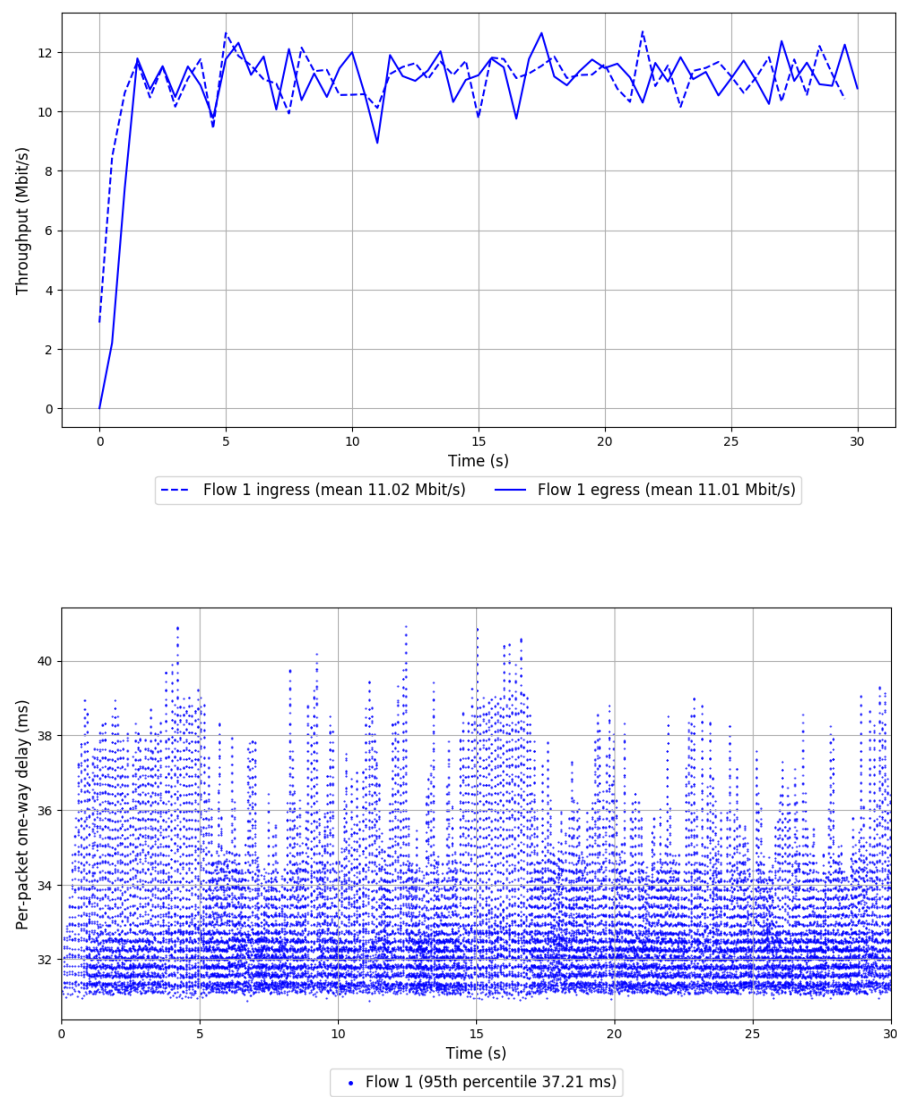
-- Flow 1:

Average throughput: 11.01 Mbit/s

95th percentile per-packet one-way delay: 37.213 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

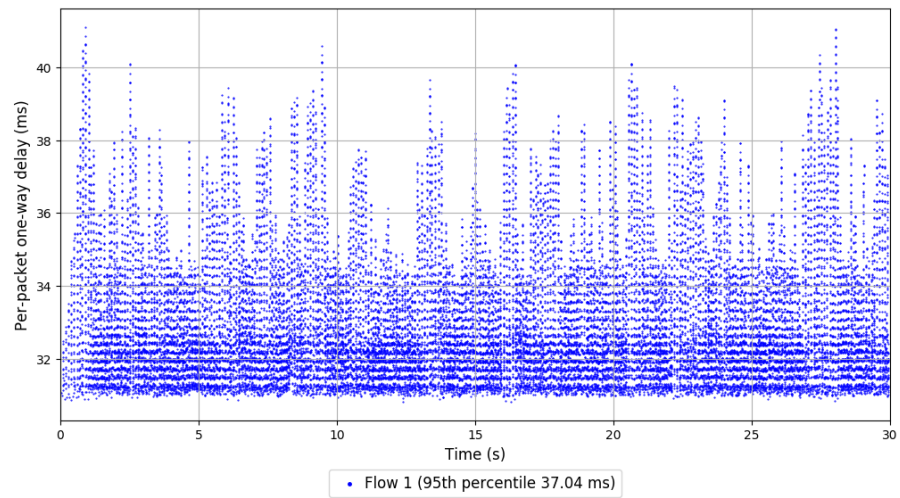
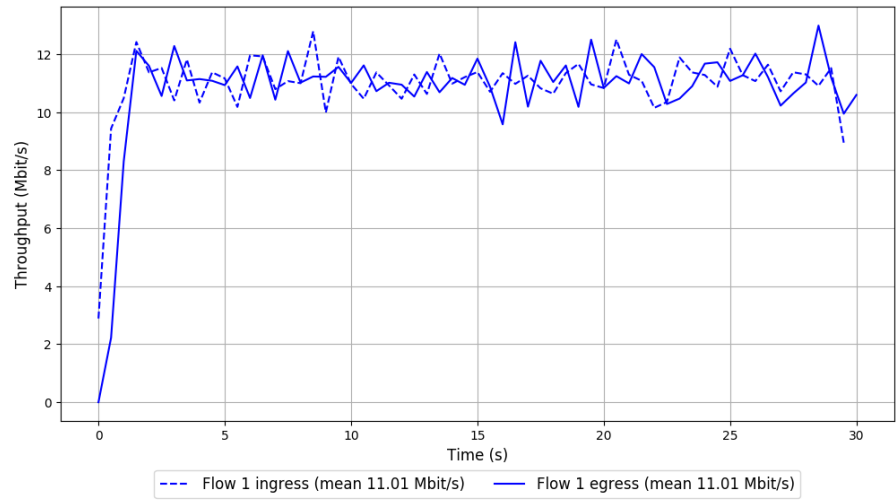


Run 7: Statistics of Sprout

Start at: 2018-08-09 03:25:21
End at: 2018-08-09 03:25:51
Local clock offset: 0.183 ms
Remote clock offset: -0.656 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 37.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 37.039 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

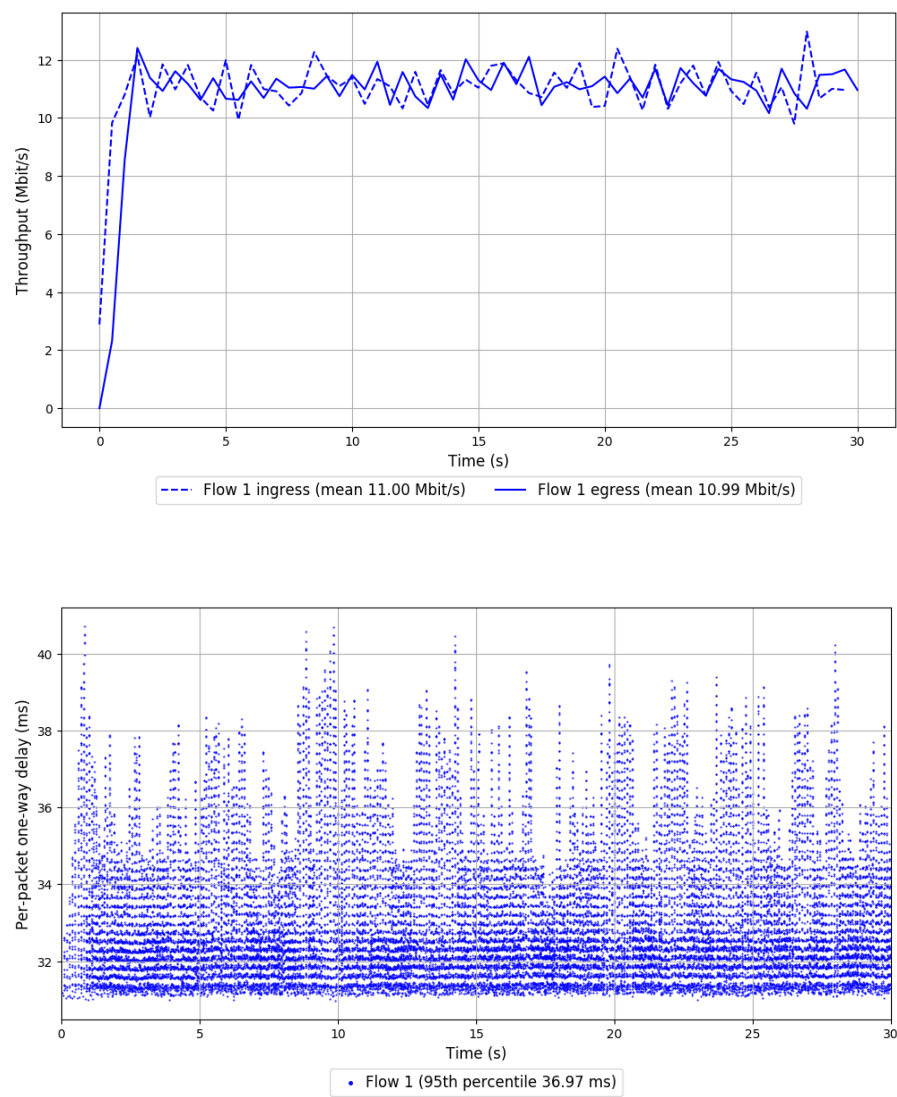


Run 8: Statistics of Sprout

Start at: 2018-08-09 03:47:42
End at: 2018-08-09 03:48:12
Local clock offset: 0.168 ms
Remote clock offset: -0.737 ms

Below is generated by plot.py at 2018-08-09 05:03:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 36.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 36.971 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-09 04:10:01

End at: 2018-08-09 04:10:31

Local clock offset: 0.307 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 37.163 ms

Loss rate: 0.00%

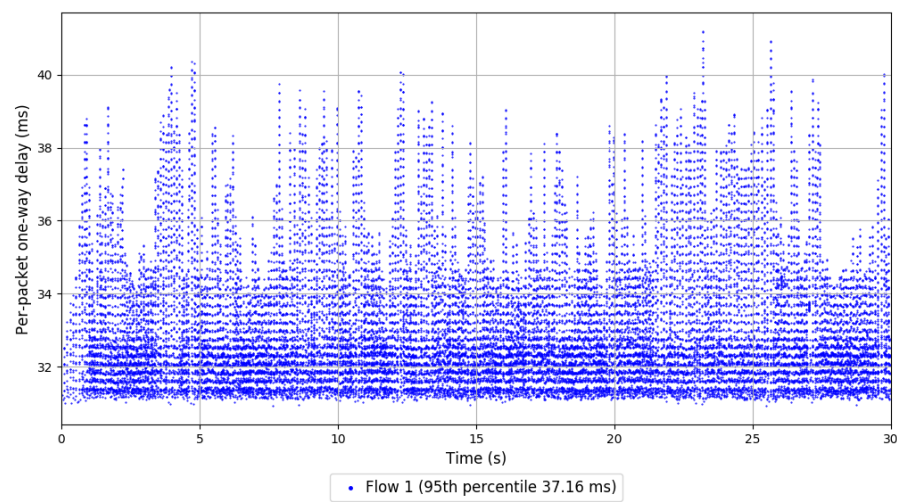
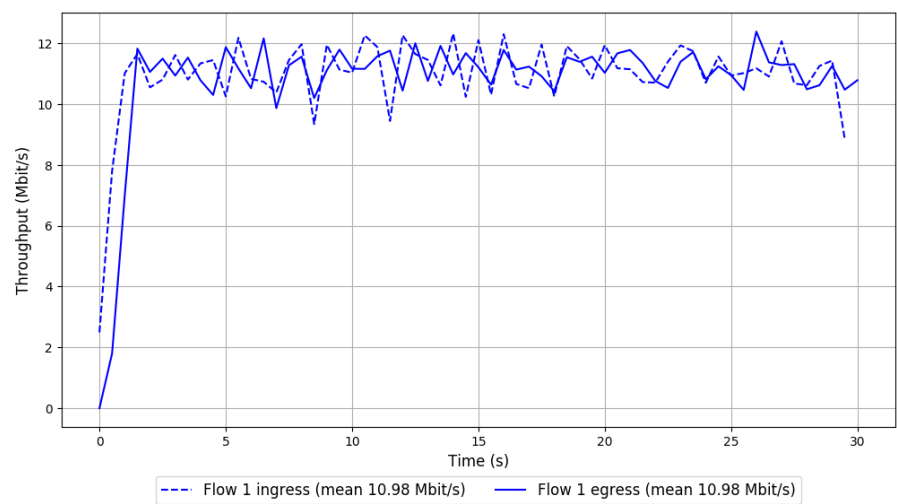
-- Flow 1:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 37.163 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-09 04:32:29

End at: 2018-08-09 04:32:59

Local clock offset: 0.388 ms

Remote clock offset: -1.392 ms

Below is generated by plot.py at 2018-08-09 05:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.00 Mbit/s

95th percentile per-packet one-way delay: 36.644 ms

Loss rate: 0.00%

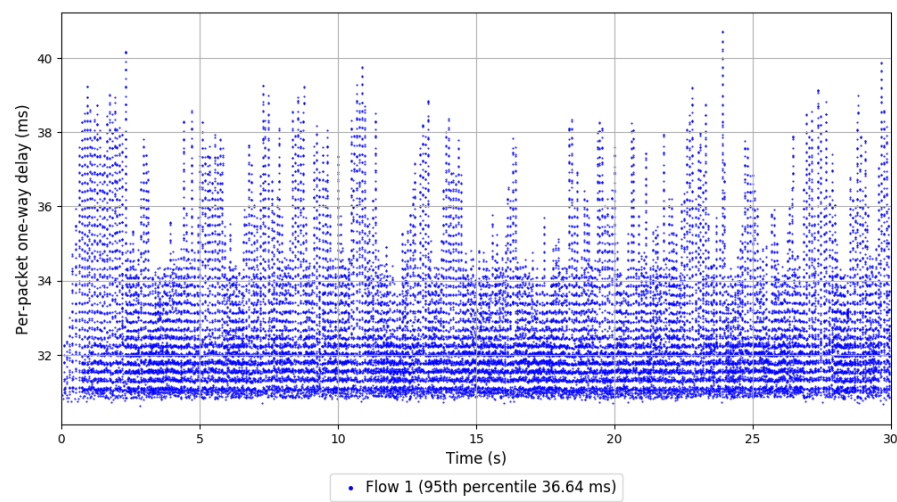
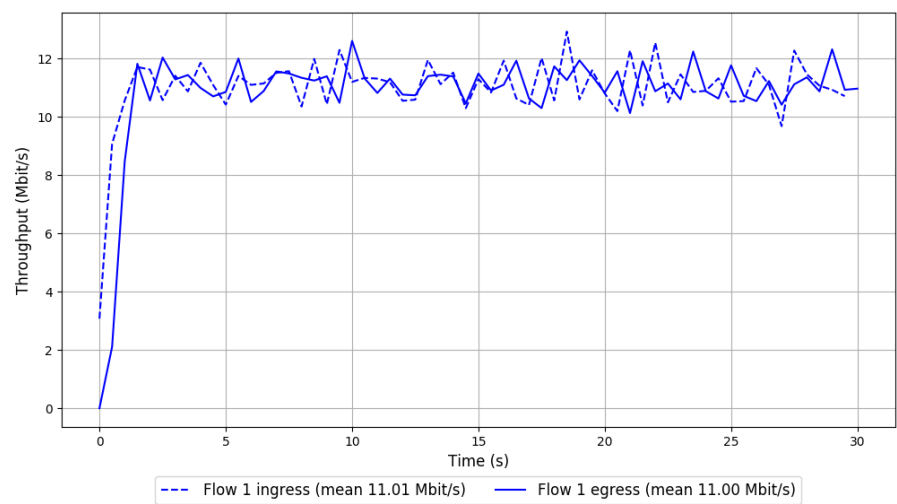
-- Flow 1:

Average throughput: 11.00 Mbit/s

95th percentile per-packet one-way delay: 36.644 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

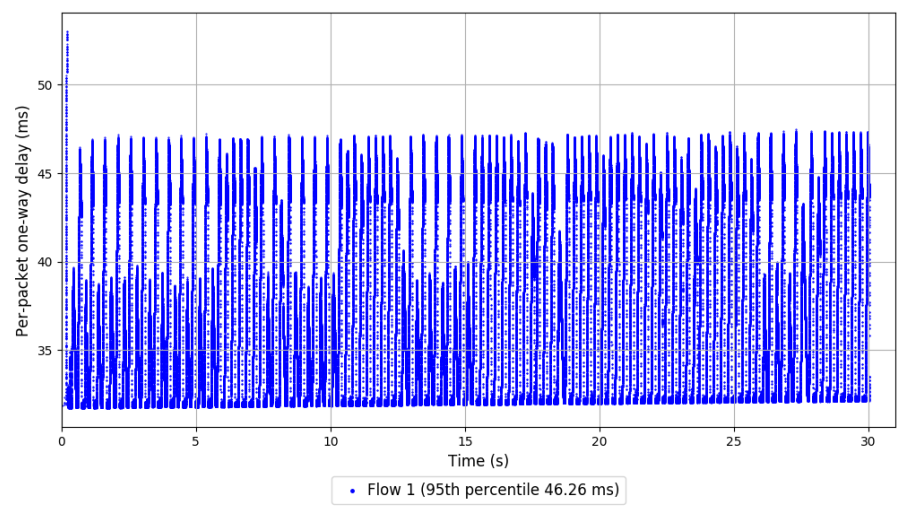
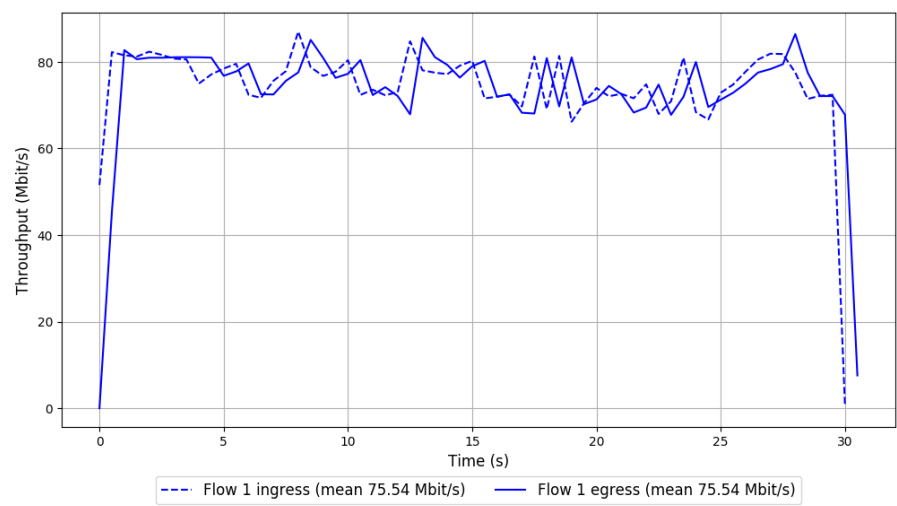


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 01:17:28
End at: 2018-08-09 01:17:58
Local clock offset: -8.199 ms
Remote clock offset: -2.365 ms

# Below is generated by plot.py at 2018-08-09 05:04:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.54 Mbit/s
95th percentile per-packet one-way delay: 46.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.54 Mbit/s
95th percentile per-packet one-way delay: 46.255 ms
Loss rate: 0.00%
```


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

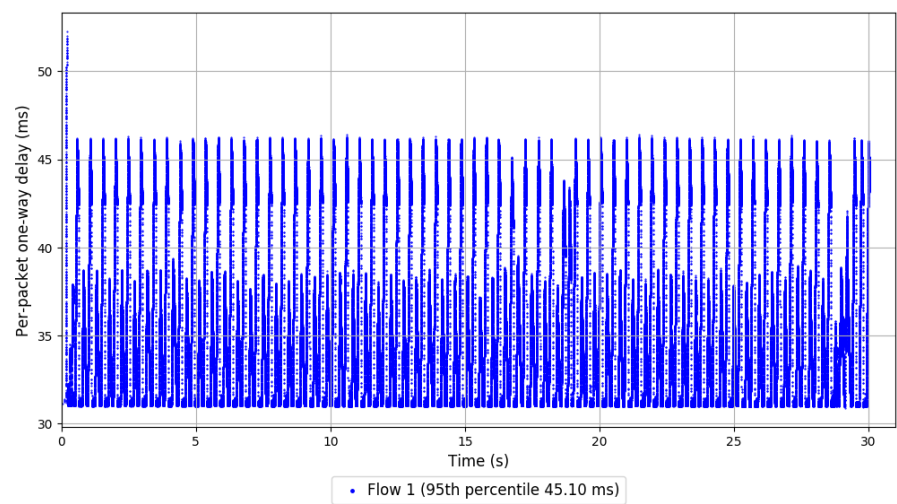
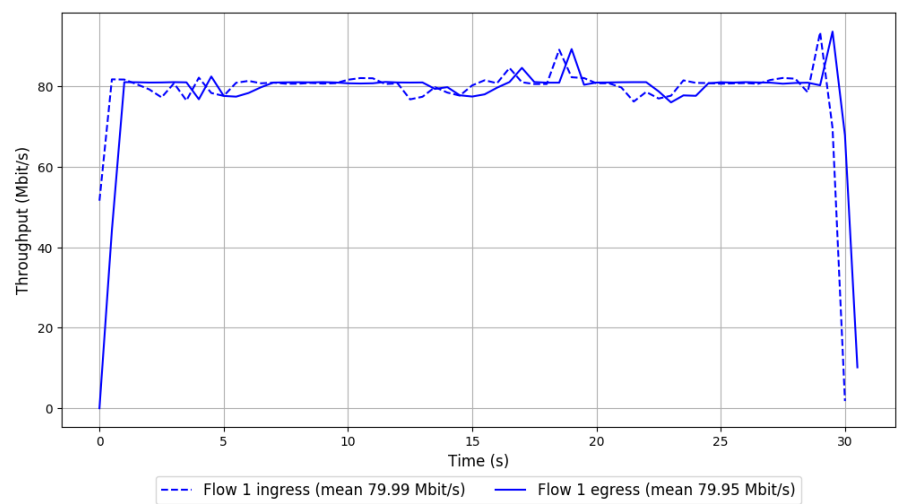


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 01:39:45
End at: 2018-08-09 01:40:15
Local clock offset: -2.907 ms
Remote clock offset: -2.662 ms

Below is generated by plot.py at 2018-08-09 05:04:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.95 Mbit/s
95th percentile per-packet one-way delay: 45.101 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.95 Mbit/s
95th percentile per-packet one-way delay: 45.101 ms
Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 02:02:04

End at: 2018-08-09 02:02:34

Local clock offset: -4.17 ms

Remote clock offset: -1.217 ms

Below is generated by plot.py at 2018-08-09 05:04:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.55 Mbit/s

95th percentile per-packet one-way delay: 45.086 ms

Loss rate: 0.00%

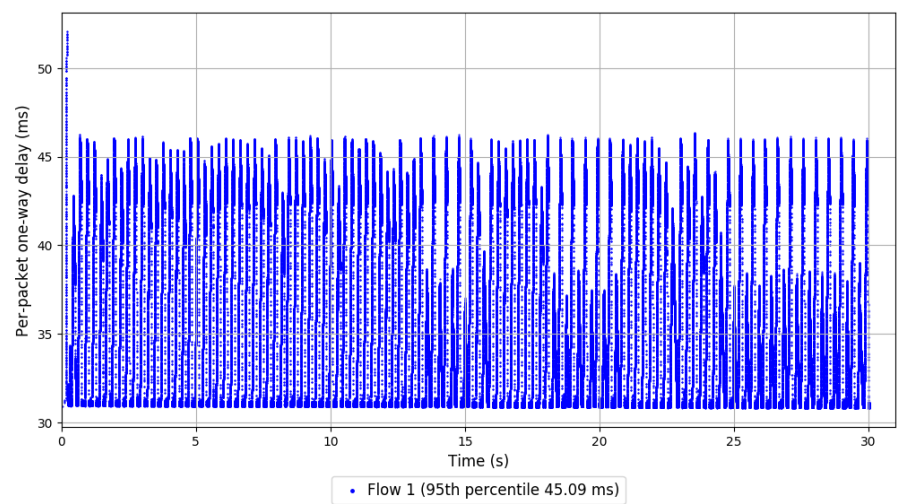
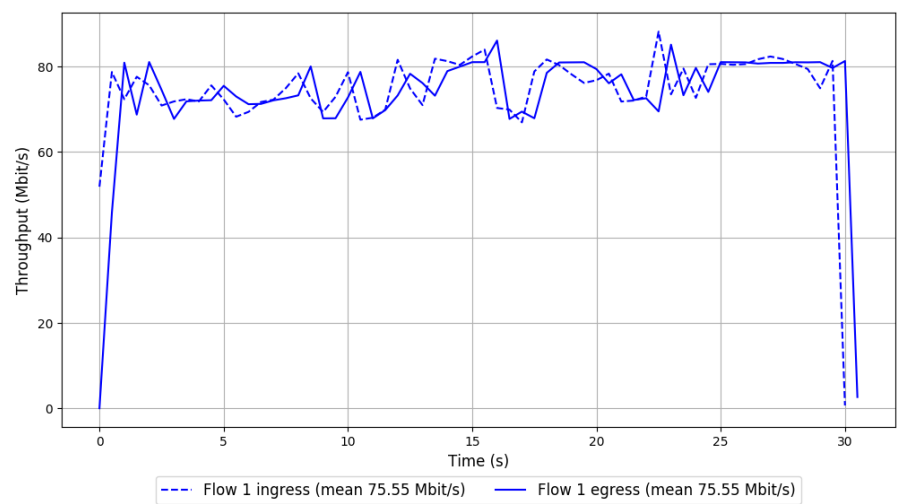
-- Flow 1:

Average throughput: 75.55 Mbit/s

95th percentile per-packet one-way delay: 45.086 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 02:24:23

End at: 2018-08-09 02:24:53

Local clock offset: -1.928 ms

Remote clock offset: 1.387 ms

Below is generated by plot.py at 2018-08-09 05:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 45.191 ms

Loss rate: 0.04%

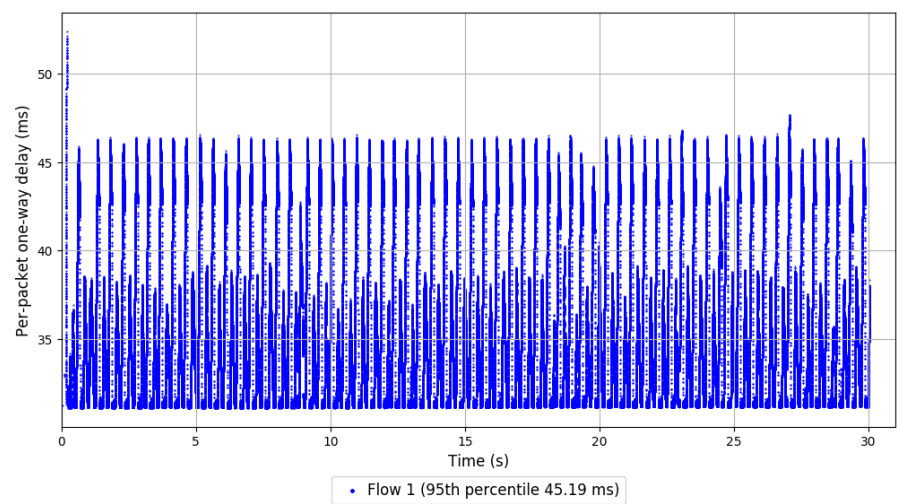
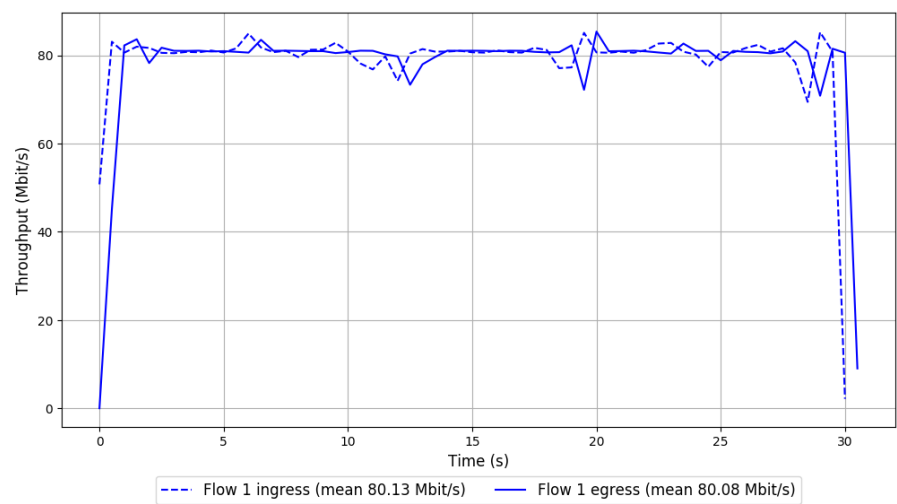
-- Flow 1:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 45.191 ms

Loss rate: 0.04%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 02:46:57

End at: 2018-08-09 02:47:27

Local clock offset: -0.199 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-08-09 05:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.81 Mbit/s

95th percentile per-packet one-way delay: 45.141 ms

Loss rate: 0.00%

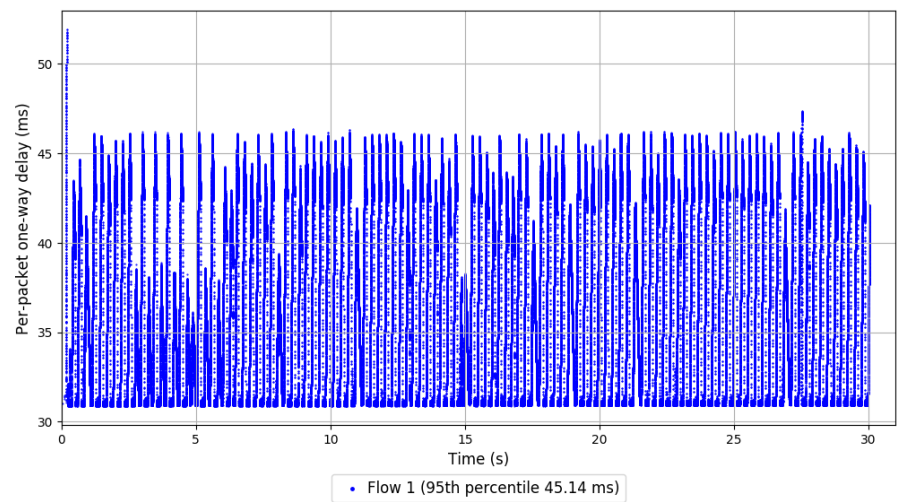
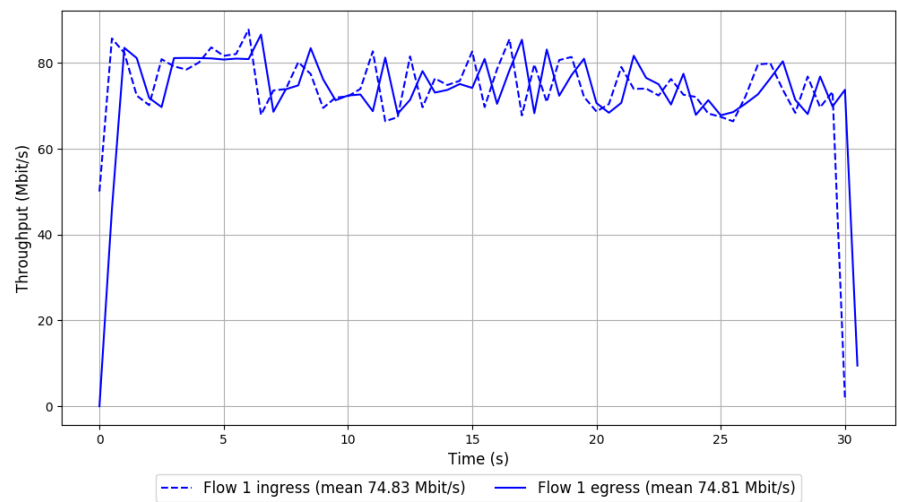
-- Flow 1:

Average throughput: 74.81 Mbit/s

95th percentile per-packet one-way delay: 45.141 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 03:09:27

End at: 2018-08-09 03:09:57

Local clock offset: 0.298 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-08-09 05:04:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.97 Mbit/s

95th percentile per-packet one-way delay: 45.063 ms

Loss rate: 0.00%

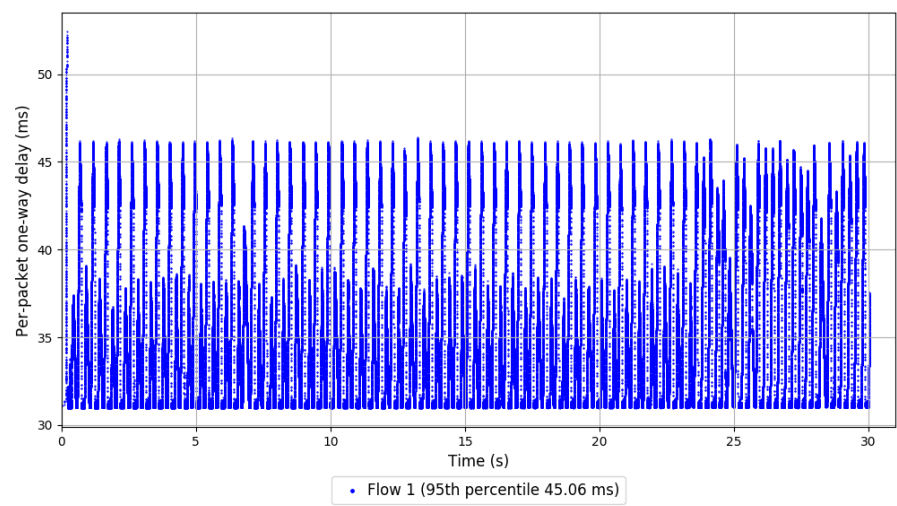
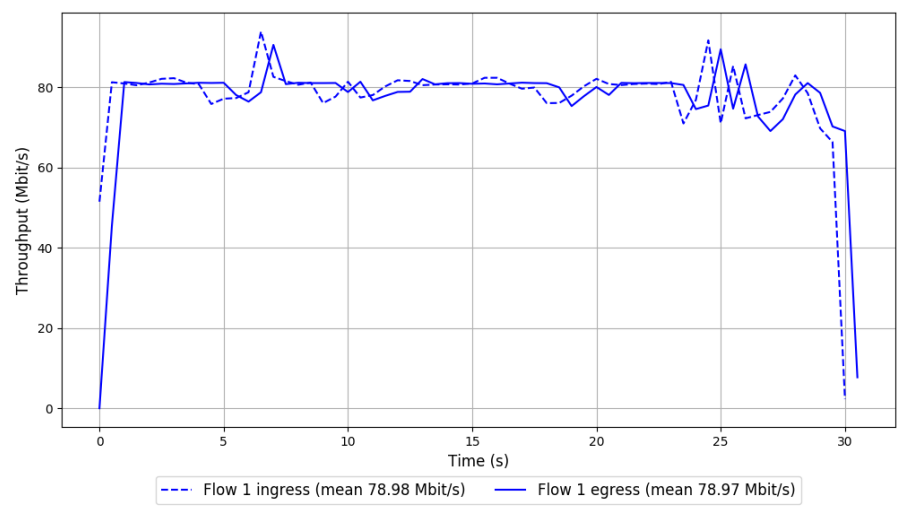
-- Flow 1:

Average throughput: 78.97 Mbit/s

95th percentile per-packet one-way delay: 45.063 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 03:31:50

End at: 2018-08-09 03:32:20

Local clock offset: 0.23 ms

Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-08-09 05:04:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.61 Mbit/s

95th percentile per-packet one-way delay: 45.177 ms

Loss rate: 0.00%

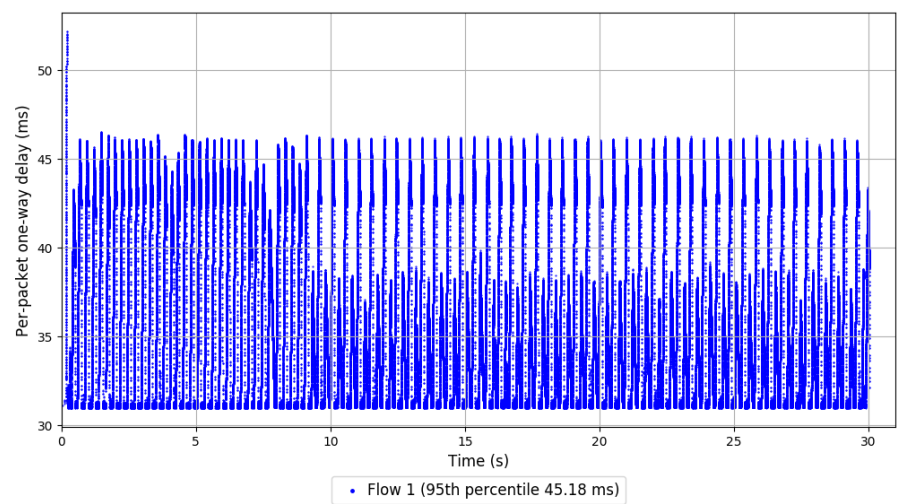
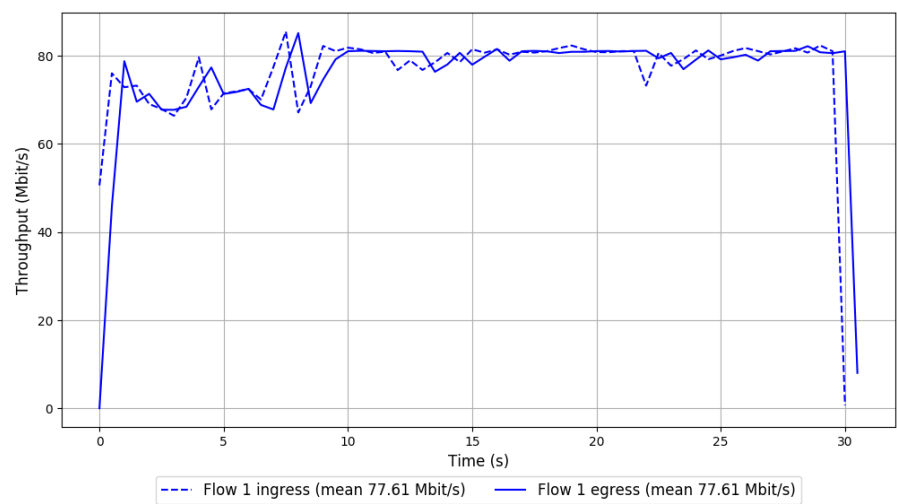
-- Flow 1:

Average throughput: 77.61 Mbit/s

95th percentile per-packet one-way delay: 45.177 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 03:54:13

End at: 2018-08-09 03:54:43

Local clock offset: 0.284 ms

Remote clock offset: -0.994 ms

Below is generated by plot.py at 2018-08-09 05:04:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.73 Mbit/s

95th percentile per-packet one-way delay: 45.101 ms

Loss rate: 0.02%

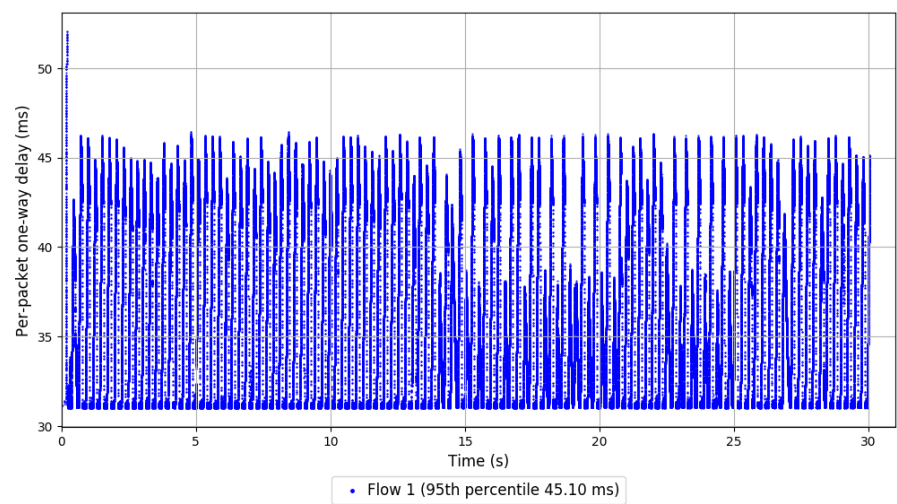
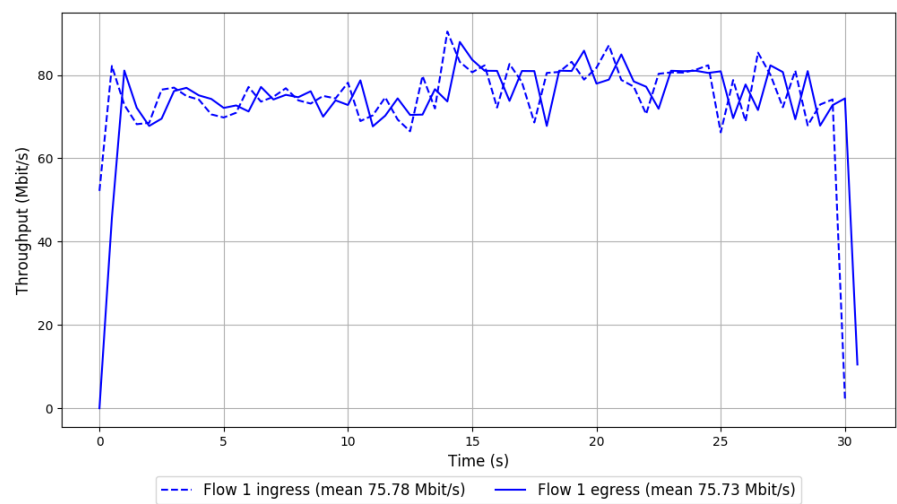
-- Flow 1:

Average throughput: 75.73 Mbit/s

95th percentile per-packet one-way delay: 45.101 ms

Loss rate: 0.02%

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

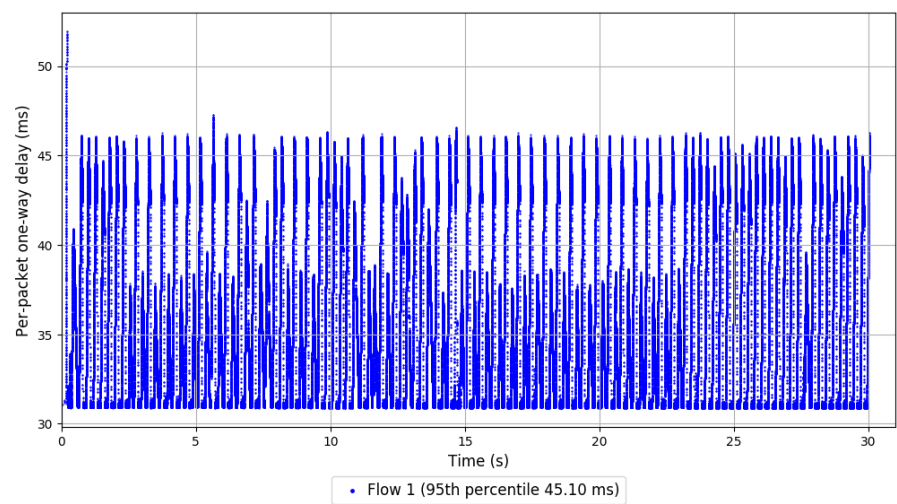
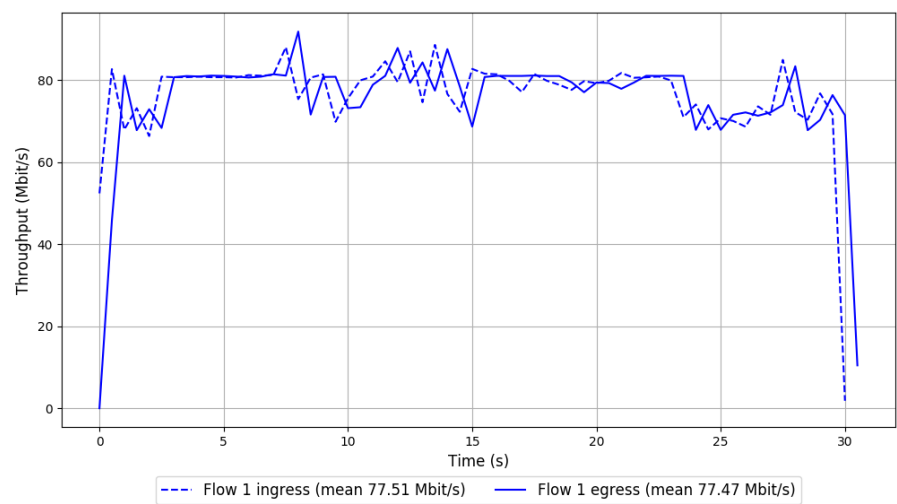


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 04:16:30
End at: 2018-08-09 04:17:00
Local clock offset: 0.314 ms
Remote clock offset: -1.864 ms

Below is generated by plot.py at 2018-08-09 05:06:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 45.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 45.096 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 04:38:59

End at: 2018-08-09 04:39:29

Local clock offset: 0.389 ms

Remote clock offset: -1.172 ms

Below is generated by plot.py at 2018-08-09 05:06:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 45.129 ms

Loss rate: 0.02%

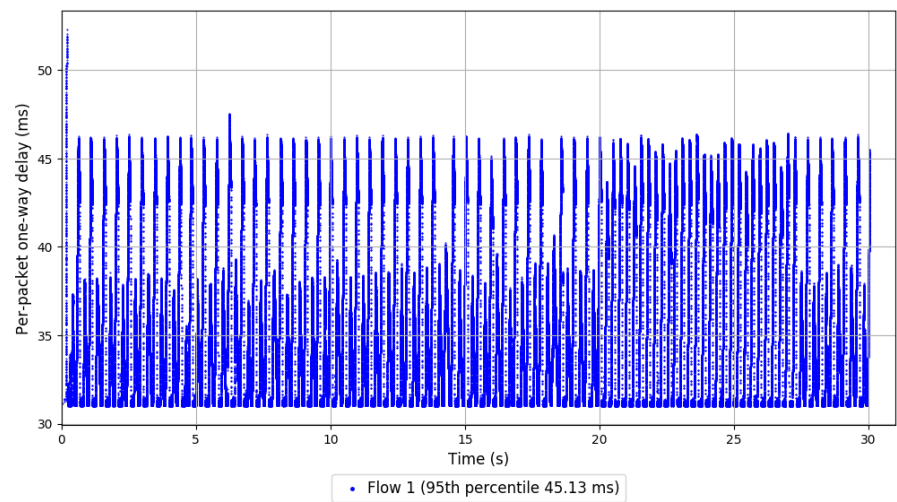
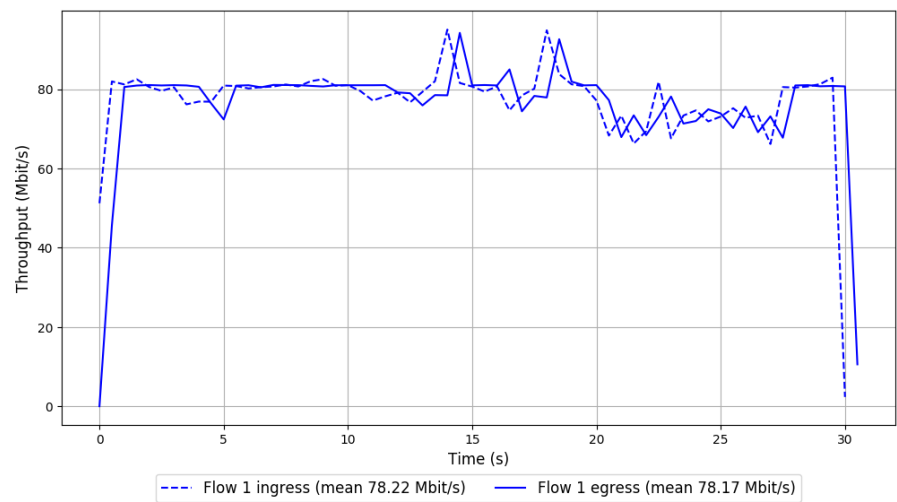
-- Flow 1:

Average throughput: 78.17 Mbit/s

95th percentile per-packet one-way delay: 45.129 ms

Loss rate: 0.02%

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

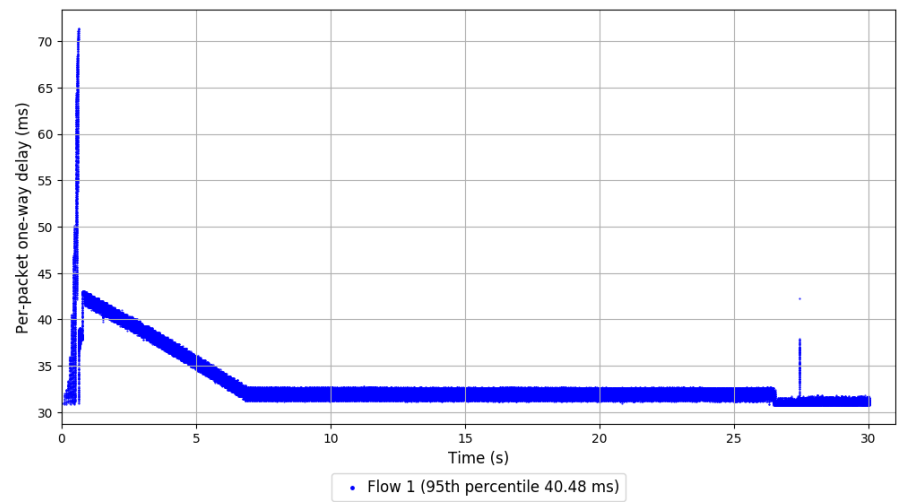
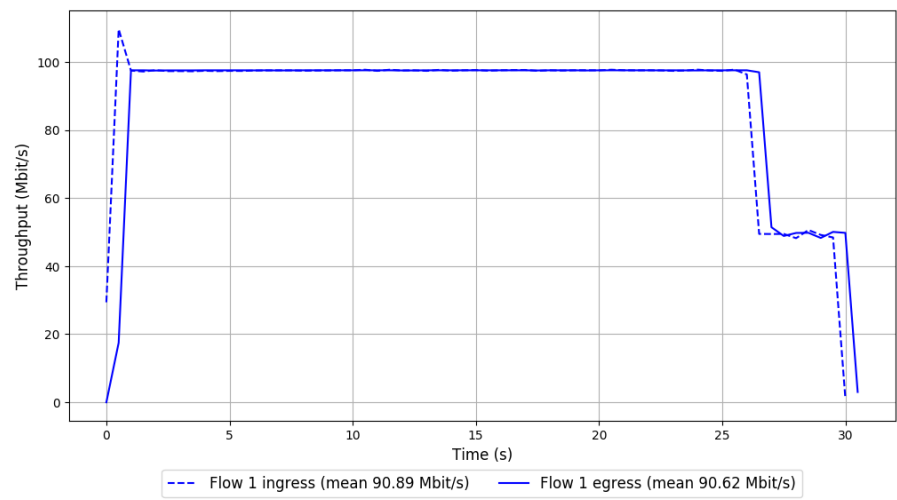


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 01:12:15
End at: 2018-08-09 01:12:45
Local clock offset: -8.591 ms
Remote clock offset: -2.105 ms

Below is generated by plot.py at 2018-08-09 05:06:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 40.482 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 40.482 ms
Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link

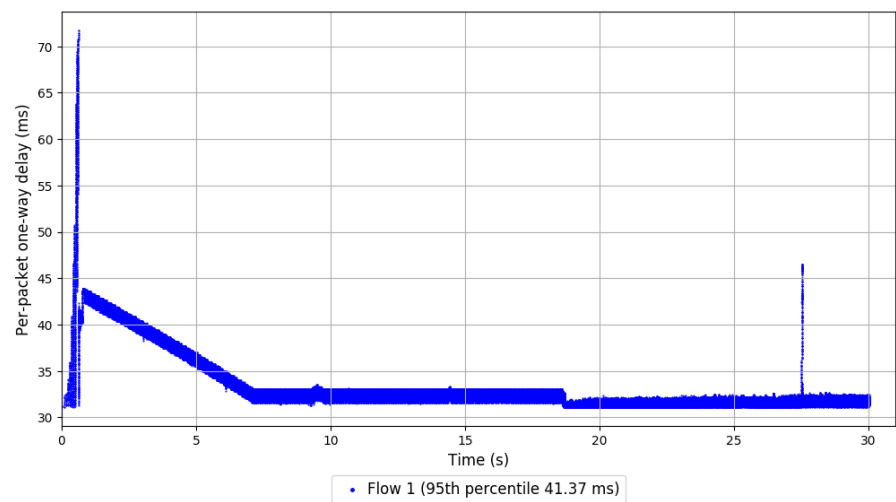
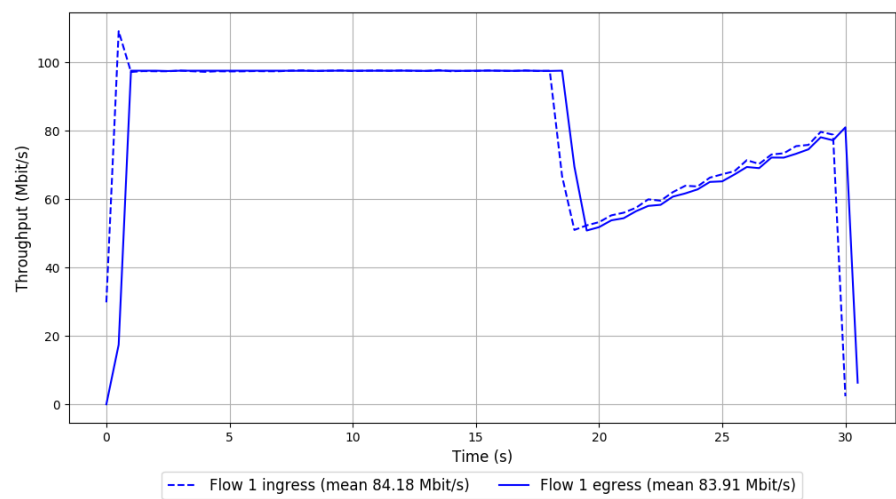


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 01:34:31
End at: 2018-08-09 01:35:01
Local clock offset: -2.838 ms
Remote clock offset: -2.839 ms

Below is generated by plot.py at 2018-08-09 05:06:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 41.369 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 41.369 ms
Loss rate: 0.32%

Run 2: Report of TCP Vegas — Data Link

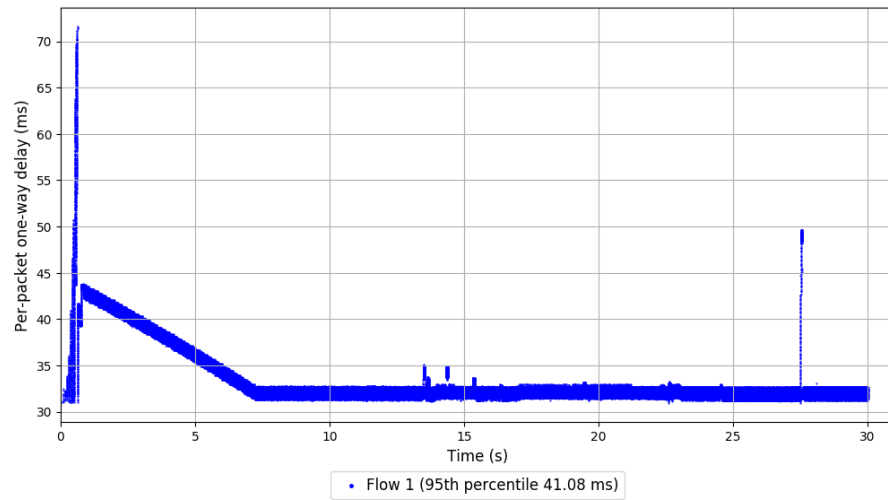
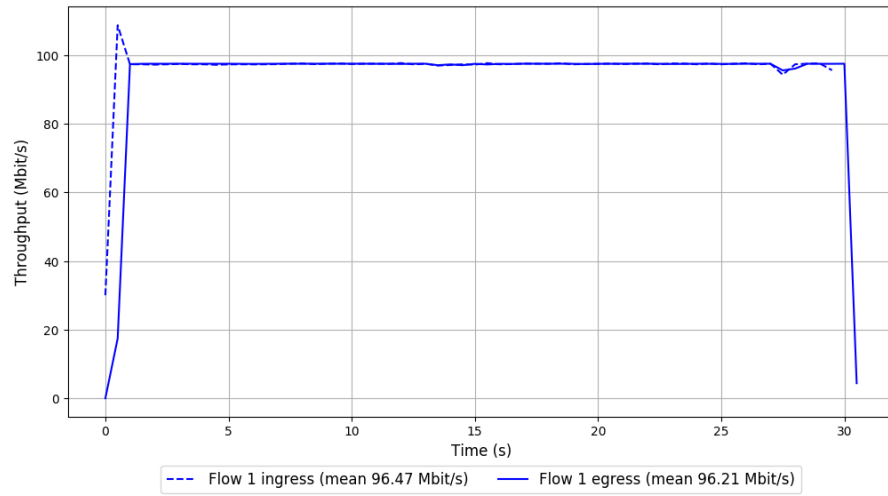


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 01:56:51
End at: 2018-08-09 01:57:21
Local clock offset: -3.769 ms
Remote clock offset: -1.828 ms

Below is generated by plot.py at 2018-08-09 05:06:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 41.076 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 41.076 ms
Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

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

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

Local clock offset: -3.848 ms

Remote clock offset: 0.886 ms

Below is generated by plot.py at 2018-08-09 05:06:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 41.478 ms

Loss rate: 0.27%

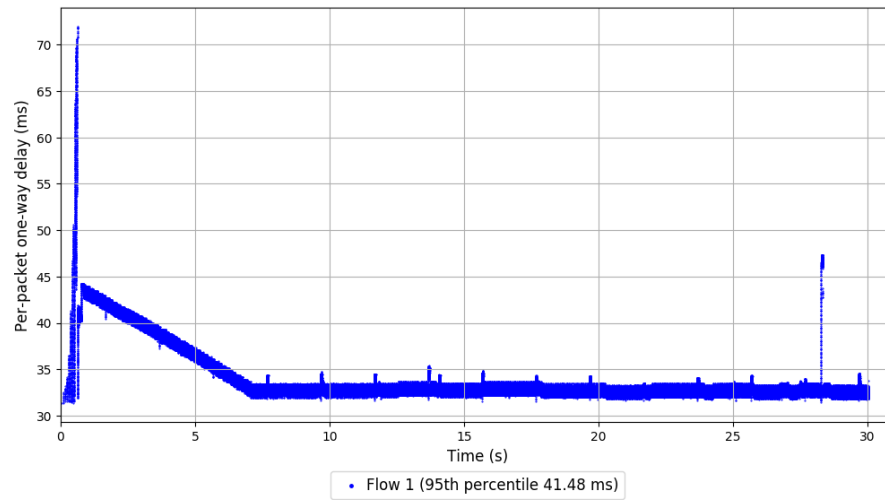
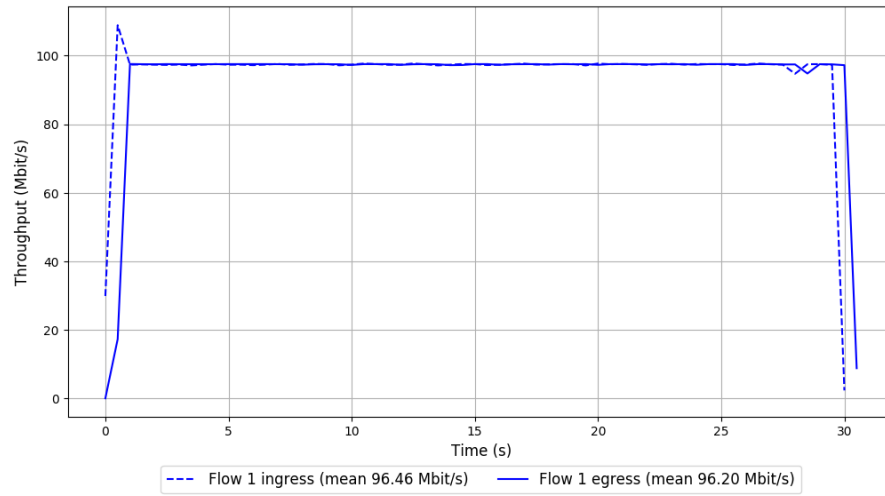
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 41.478 ms

Loss rate: 0.27%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 02:41:36

End at: 2018-08-09 02:42:06

Local clock offset: -0.33 ms

Remote clock offset: 0.687 ms

Below is generated by plot.py at 2018-08-09 05:06:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 41.842 ms

Loss rate: 0.33%

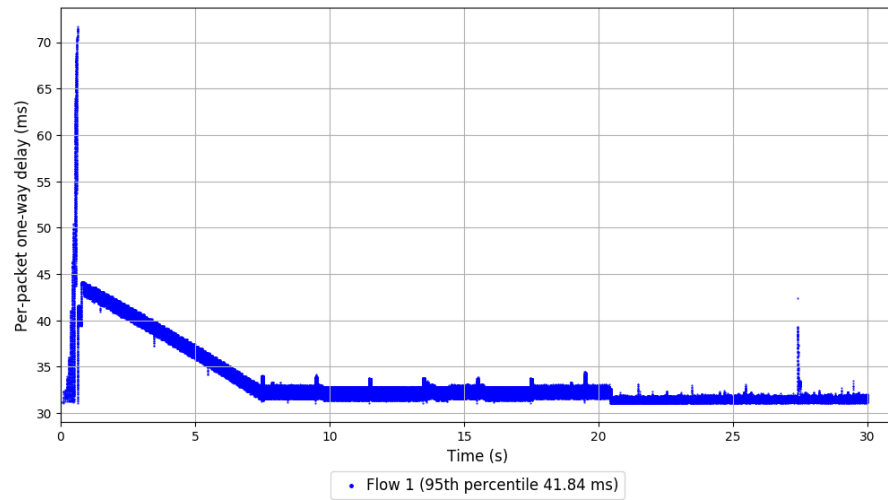
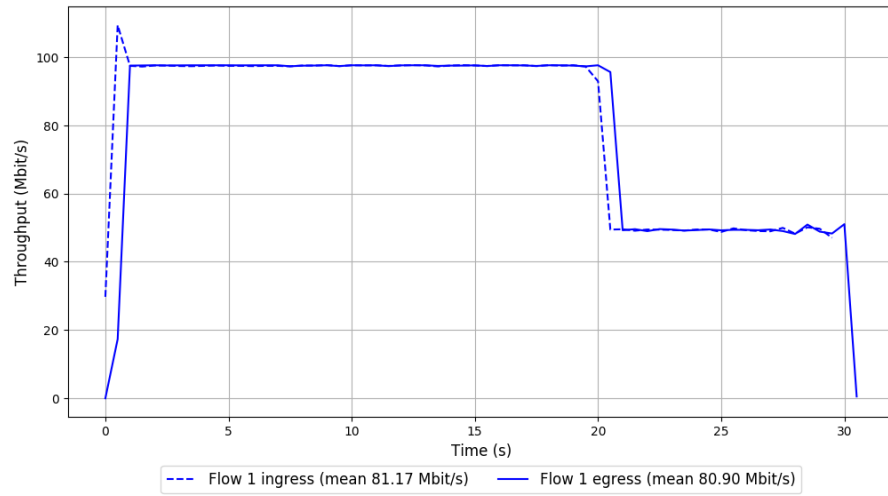
-- Flow 1:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 41.842 ms

Loss rate: 0.33%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 03:04:09

End at: 2018-08-09 03:04:39

Local clock offset: 0.301 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-08-09 05:06:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 40.821 ms

Loss rate: 0.27%

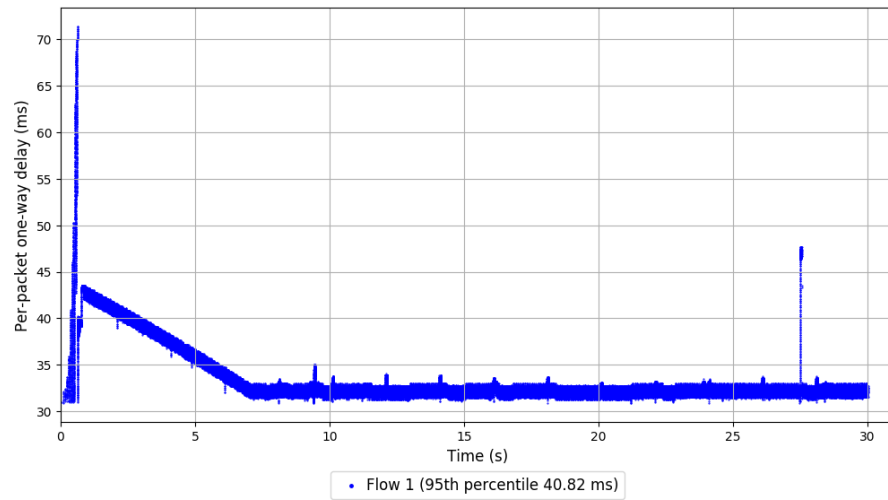
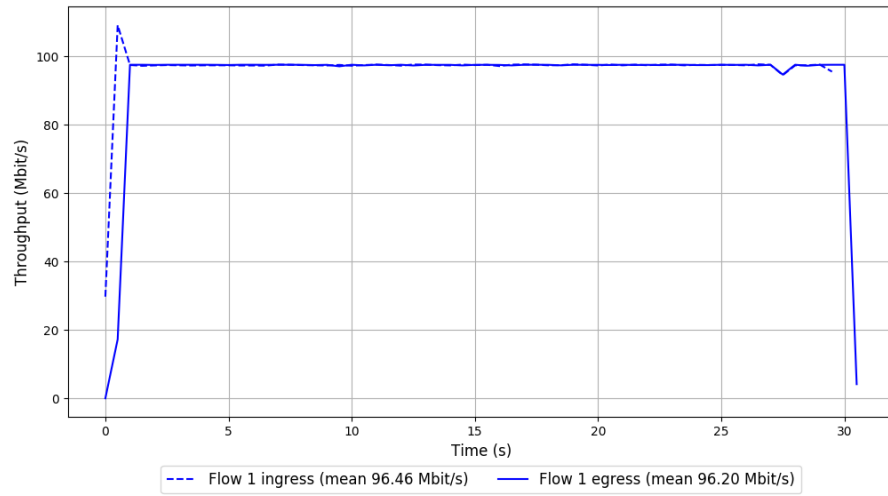
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 40.821 ms

Loss rate: 0.27%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 03:26:36

End at: 2018-08-09 03:27:06

Local clock offset: 0.26 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2018-08-09 05:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 40.617 ms

Loss rate: 0.26%

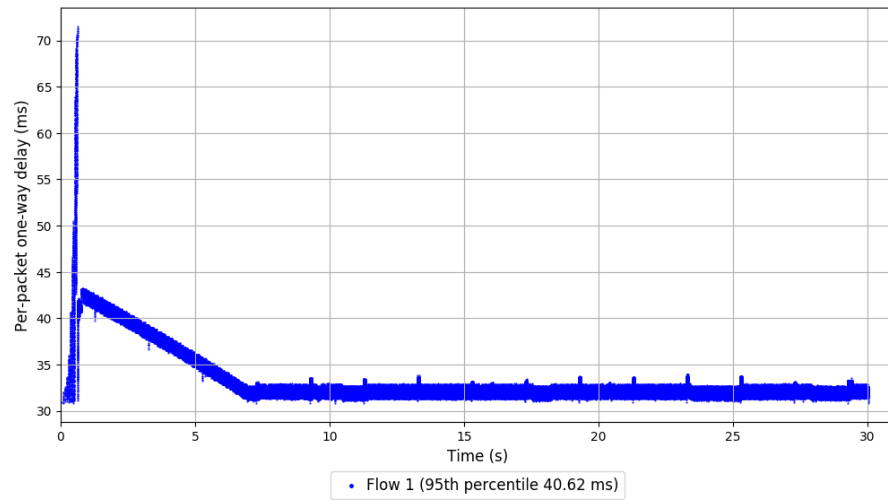
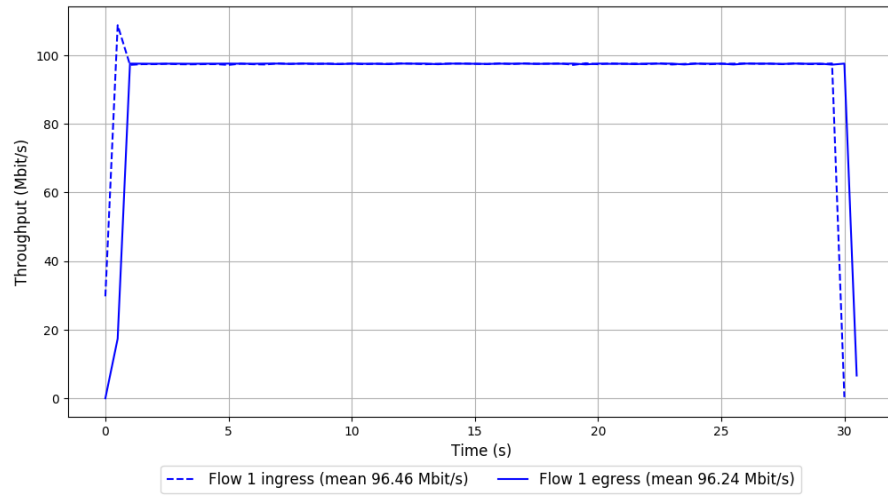
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 40.617 ms

Loss rate: 0.26%

Run 7: Report of TCP Vegas — Data Link

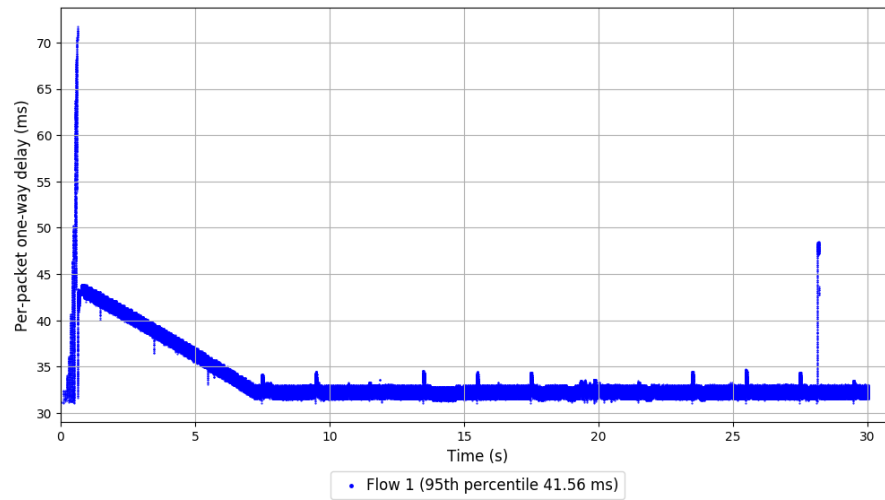
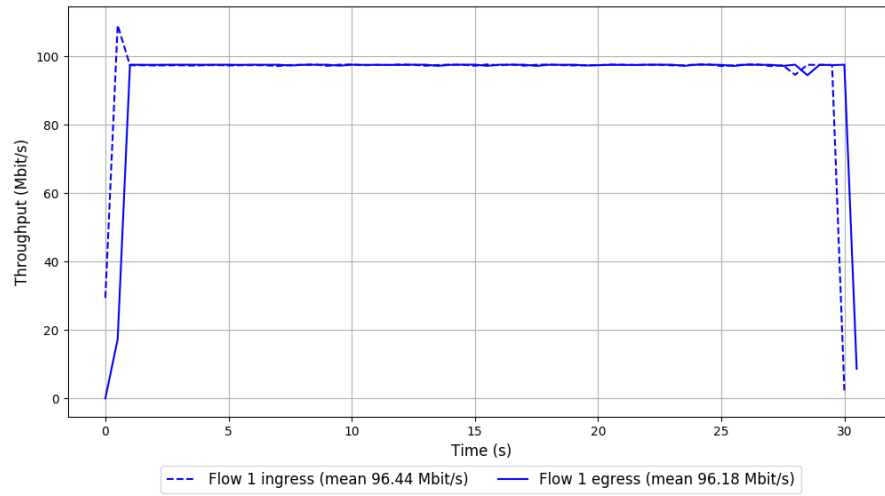


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 03:48:58
End at: 2018-08-09 03:49:28
Local clock offset: 0.211 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2018-08-09 05:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 41.559 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 41.559 ms
Loss rate: 0.26%

Run 8: Report of TCP Vegas — Data Link

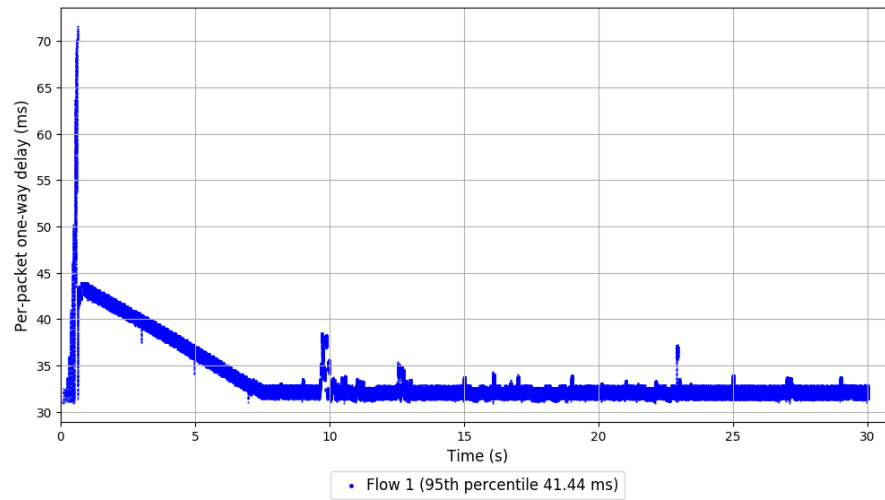
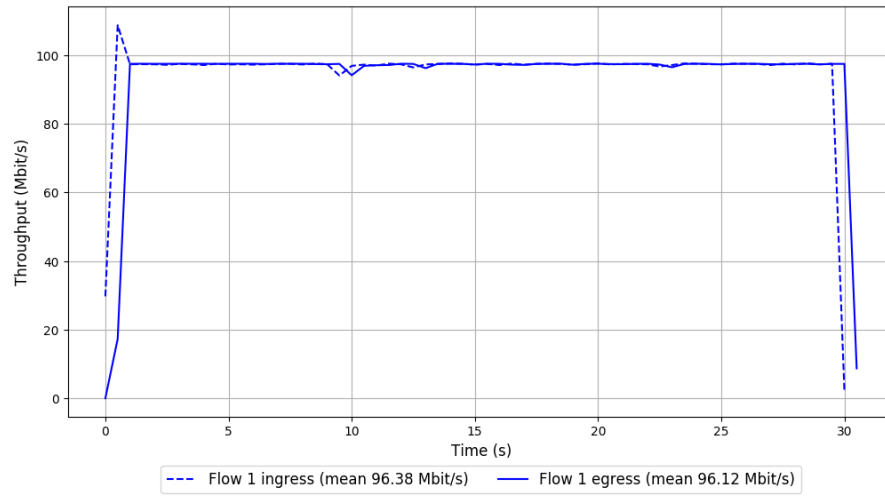


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 04:11:17
End at: 2018-08-09 04:11:47
Local clock offset: 0.323 ms
Remote clock offset: -1.712 ms

Below is generated by plot.py at 2018-08-09 05:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 41.443 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 41.443 ms
Loss rate: 0.26%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 04:33:45

End at: 2018-08-09 04:34:15

Local clock offset: 0.373 ms

Remote clock offset: -1.199 ms

Below is generated by plot.py at 2018-08-09 05:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.21 Mbit/s

95th percentile per-packet one-way delay: 32.069 ms

Loss rate: 0.89%

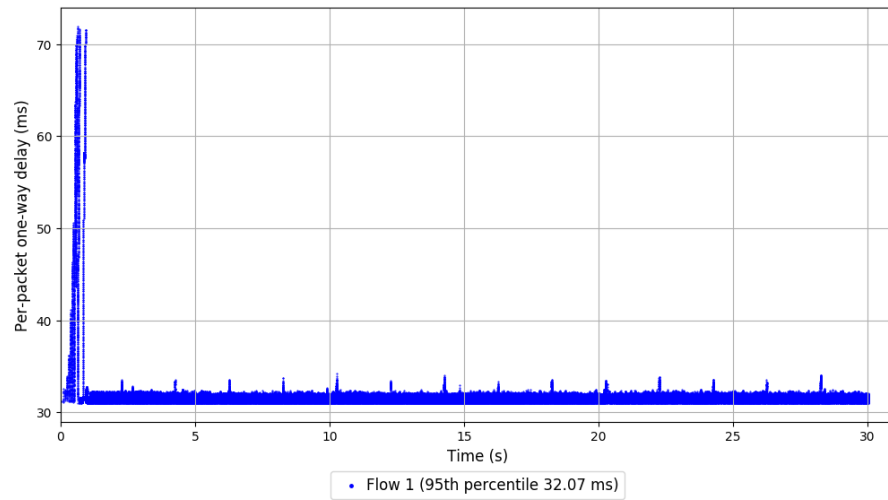
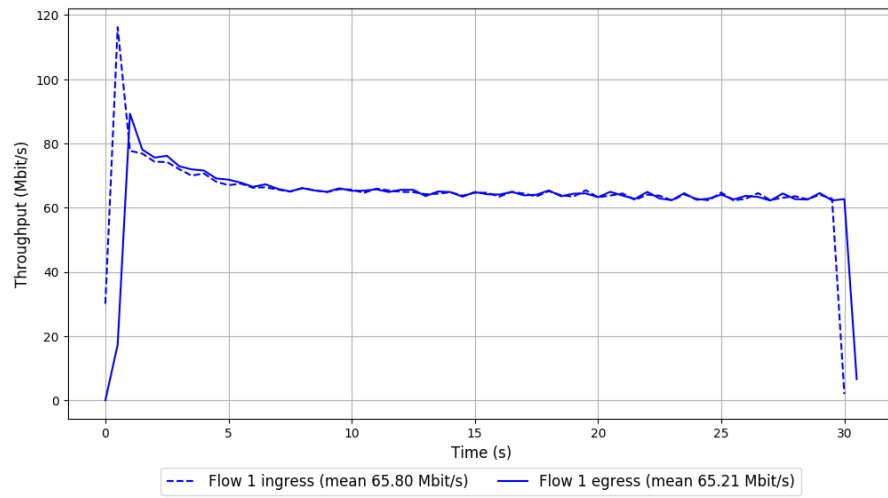
-- Flow 1:

Average throughput: 65.21 Mbit/s

95th percentile per-packet one-way delay: 32.069 ms

Loss rate: 0.89%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-09 01:04:27

End at: 2018-08-09 01:04:57

Local clock offset: -7.481 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at 2018-08-09 05:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.44 Mbit/s

95th percentile per-packet one-way delay: 66.802 ms

Loss rate: 23.81%

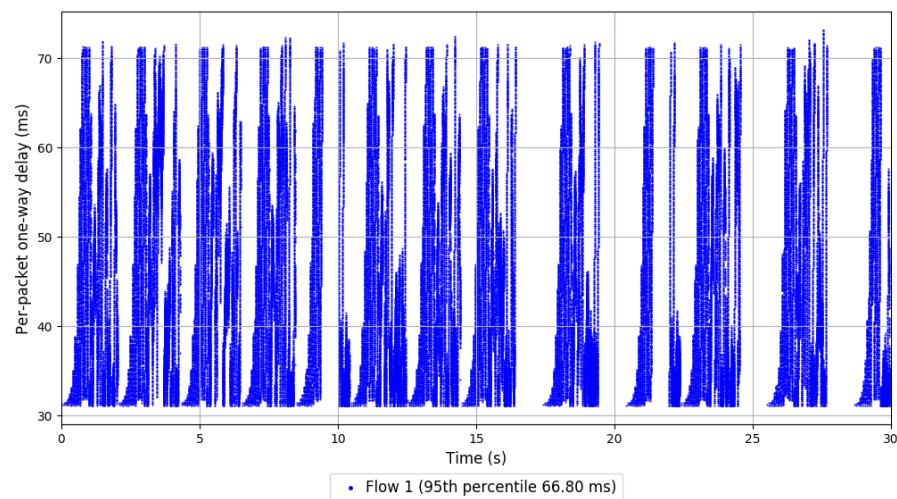
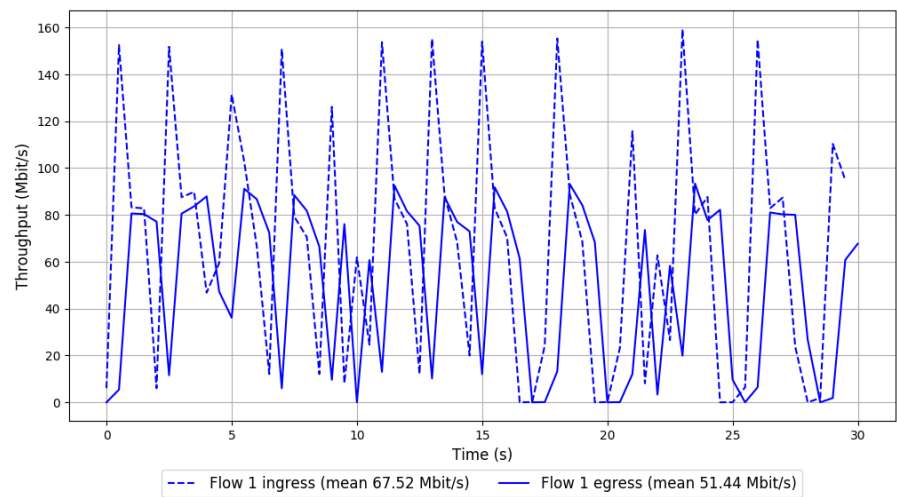
-- Flow 1:

Average throughput: 51.44 Mbit/s

95th percentile per-packet one-way delay: 66.802 ms

Loss rate: 23.81%

Run 1: Report of Verus — Data Link

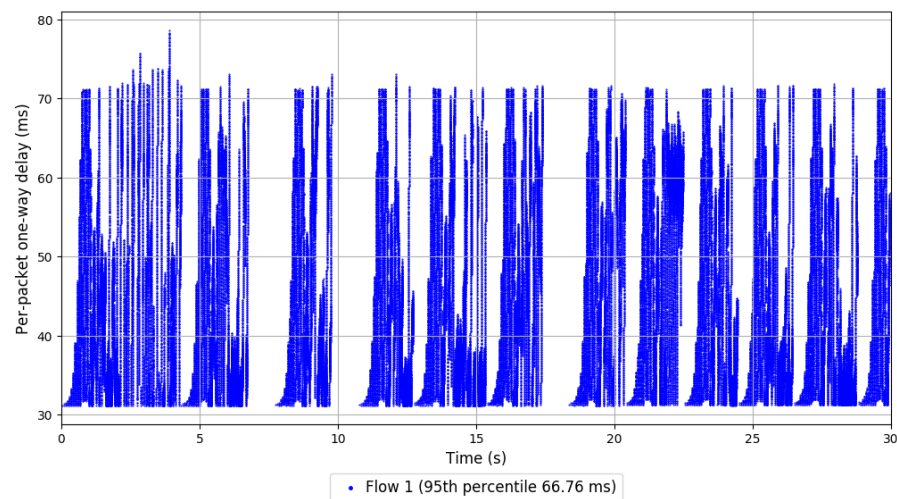
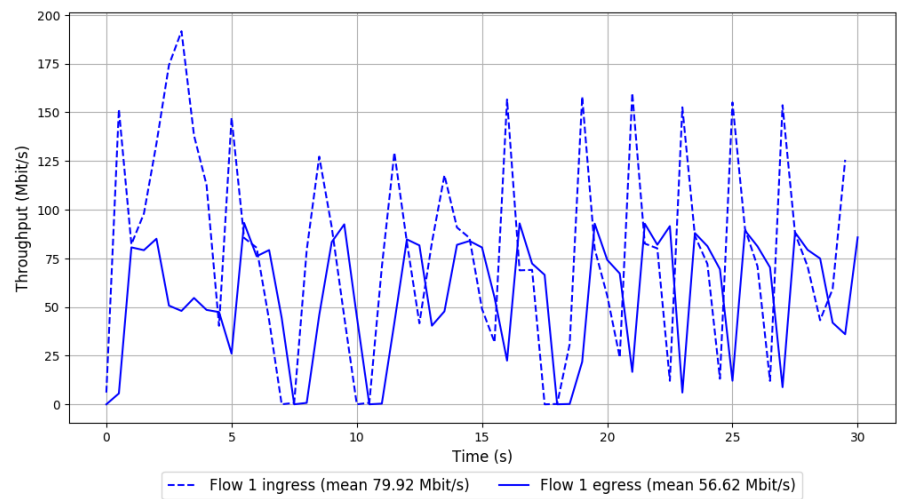


Run 2: Statistics of Verus

Start at: 2018-08-09 01:26:40
End at: 2018-08-09 01:27:10
Local clock offset: -3.625 ms
Remote clock offset: -2.873 ms

Below is generated by plot.py at 2018-08-09 05:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 66.764 ms
Loss rate: 29.11%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 66.764 ms
Loss rate: 29.11%

Run 2: Report of Verus — Data Link

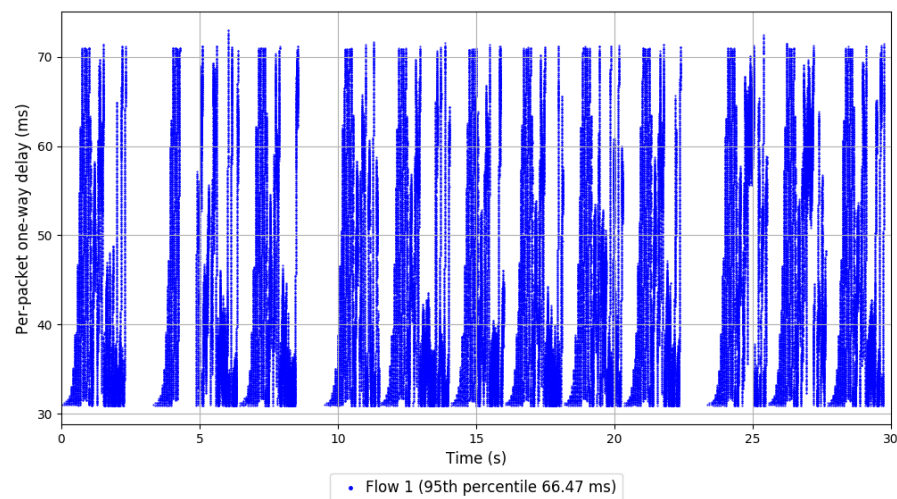
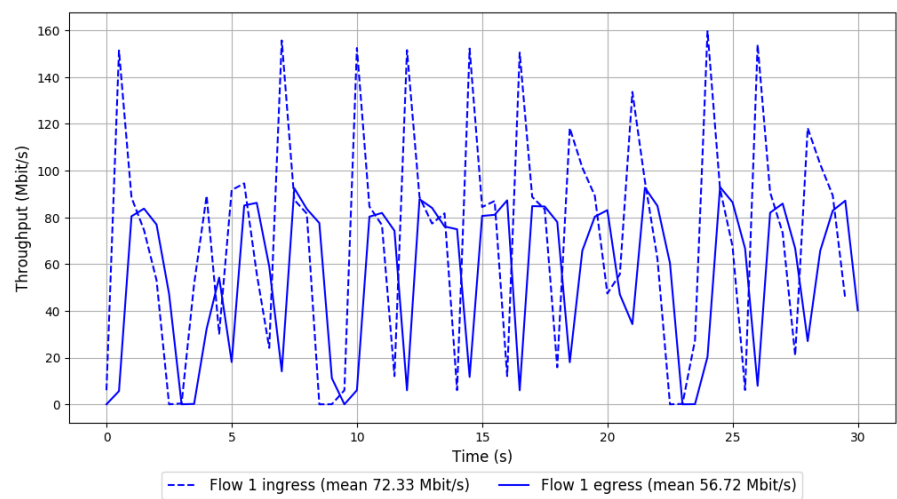


Run 3: Statistics of Verus

Start at: 2018-08-09 01:49:00
End at: 2018-08-09 01:49:30
Local clock offset: -3.335 ms
Remote clock offset: -2.229 ms

Below is generated by plot.py at 2018-08-09 05:06:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 66.474 ms
Loss rate: 21.55%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 66.474 ms
Loss rate: 21.55%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-09 02:11:17

End at: 2018-08-09 02:11:47

Local clock offset: -5.015 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-08-09 05:07:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 66.596 ms

Loss rate: 28.75%

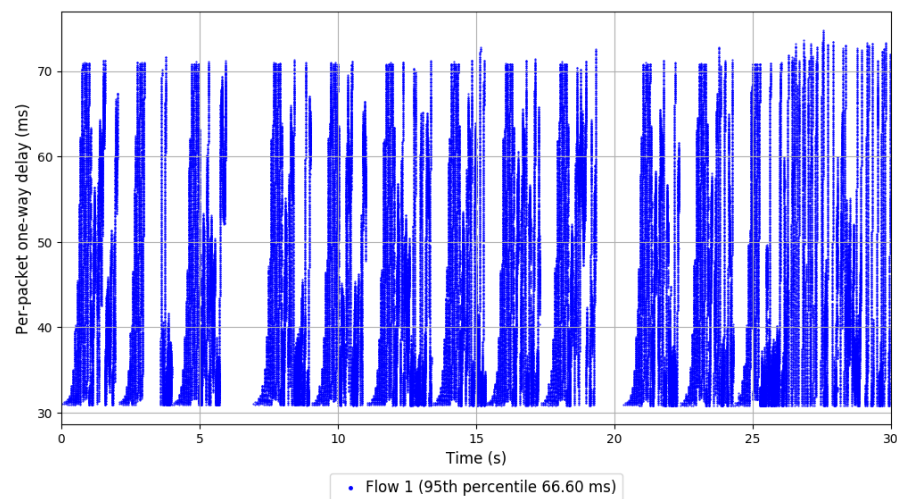
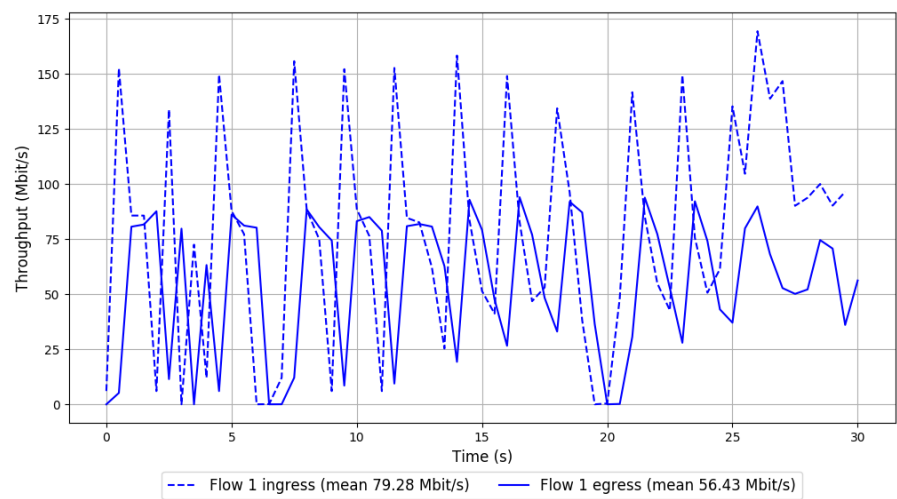
-- Flow 1:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 66.596 ms

Loss rate: 28.75%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-09 02:33:40

End at: 2018-08-09 02:34:10

Local clock offset: -0.729 ms

Remote clock offset: 2.231 ms

Below is generated by plot.py at 2018-08-09 05:07:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.54 Mbit/s

95th percentile per-packet one-way delay: 66.612 ms

Loss rate: 23.35%

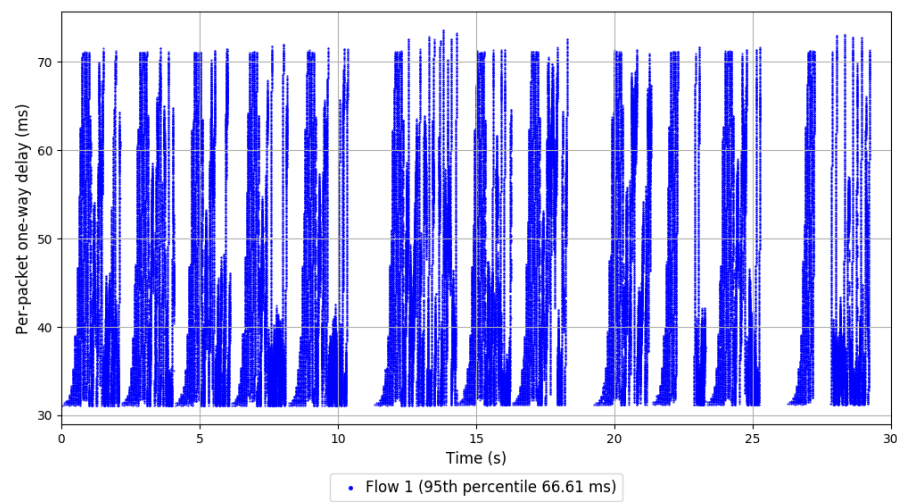
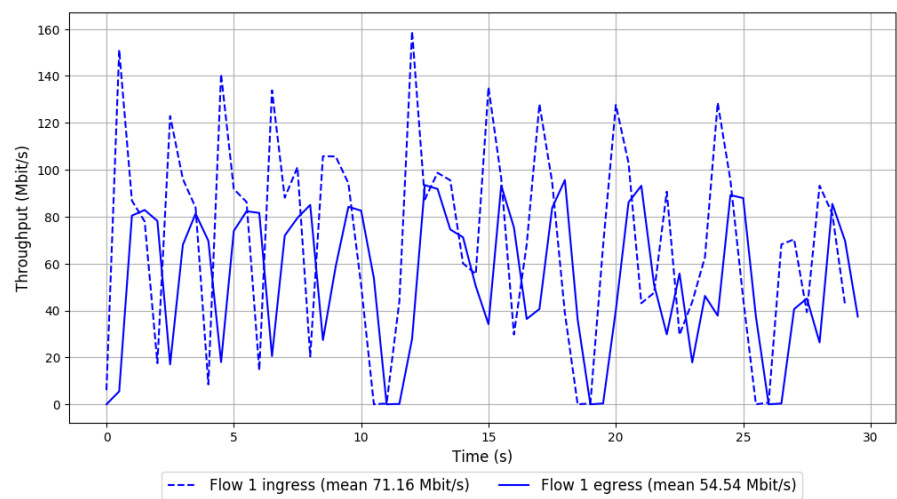
-- Flow 1:

Average throughput: 54.54 Mbit/s

95th percentile per-packet one-way delay: 66.612 ms

Loss rate: 23.35%

Run 5: Report of Verus — Data Link

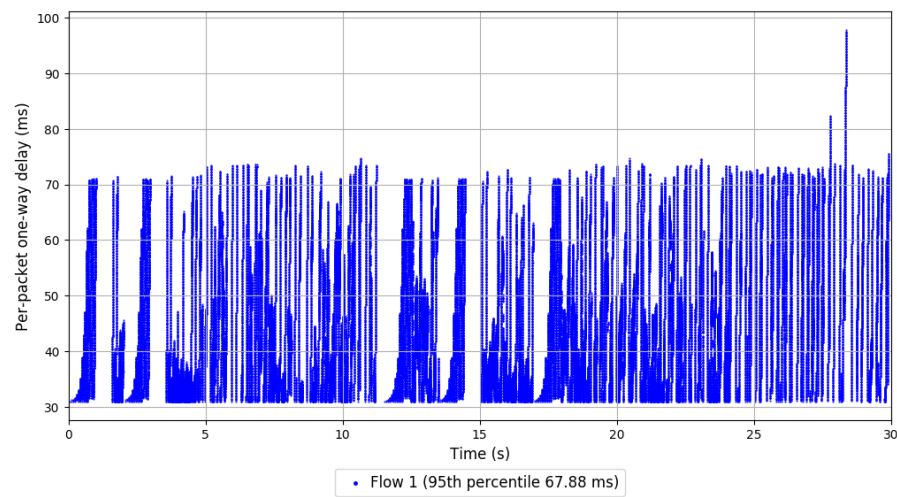
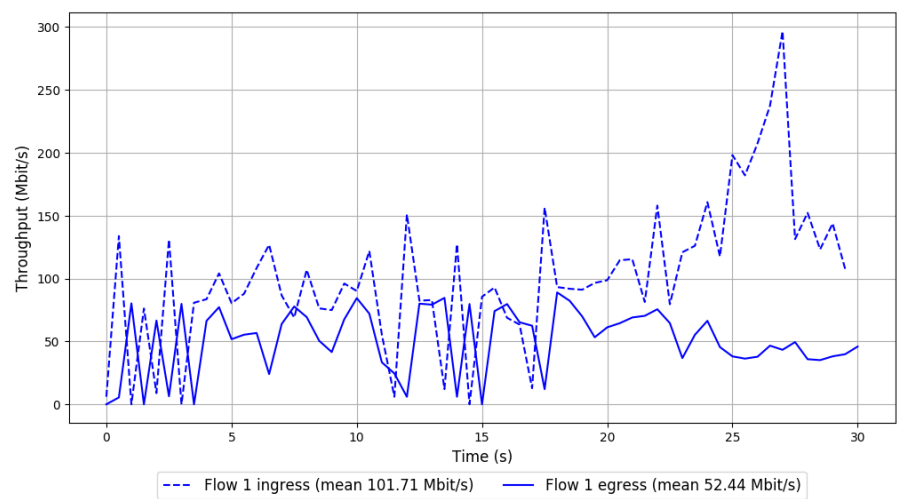


Run 6: Statistics of Verus

Start at: 2018-08-09 02:56:15
End at: 2018-08-09 02:56:45
Local clock offset: 0.115 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-09 05:07:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 67.881 ms
Loss rate: 48.38%
-- Flow 1:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 67.881 ms
Loss rate: 48.38%

Run 6: Report of Verus — Data Link

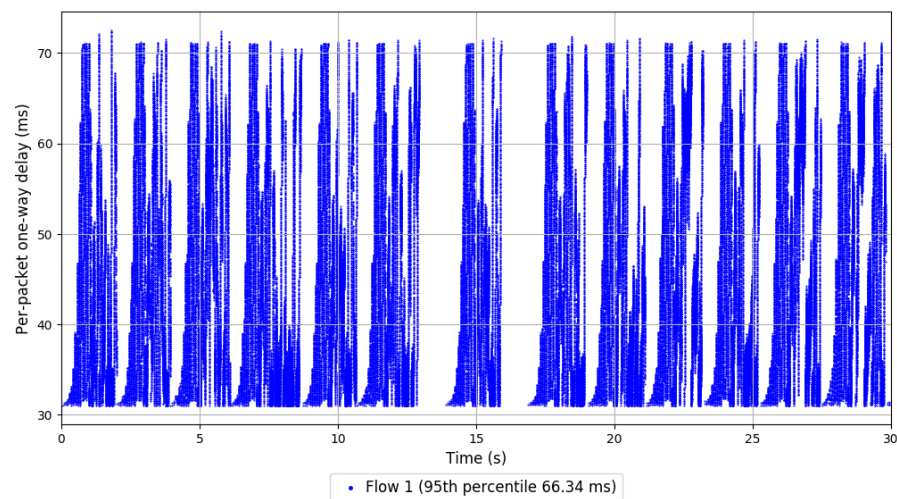
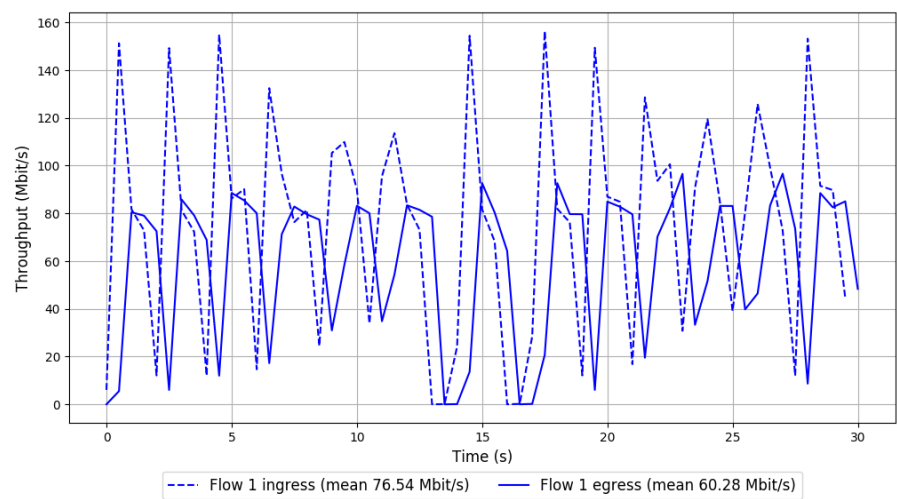


Run 7: Statistics of Verus

Start at: 2018-08-09 03:18:48
End at: 2018-08-09 03:19:18
Local clock offset: 0.297 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-08-09 05:07:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 66.337 ms
Loss rate: 21.24%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 66.337 ms
Loss rate: 21.24%

Run 7: Report of Verus — Data Link

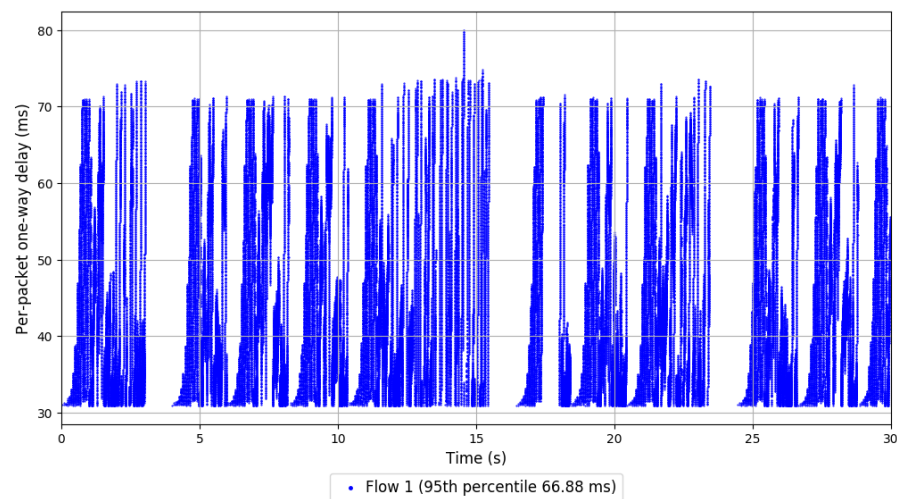
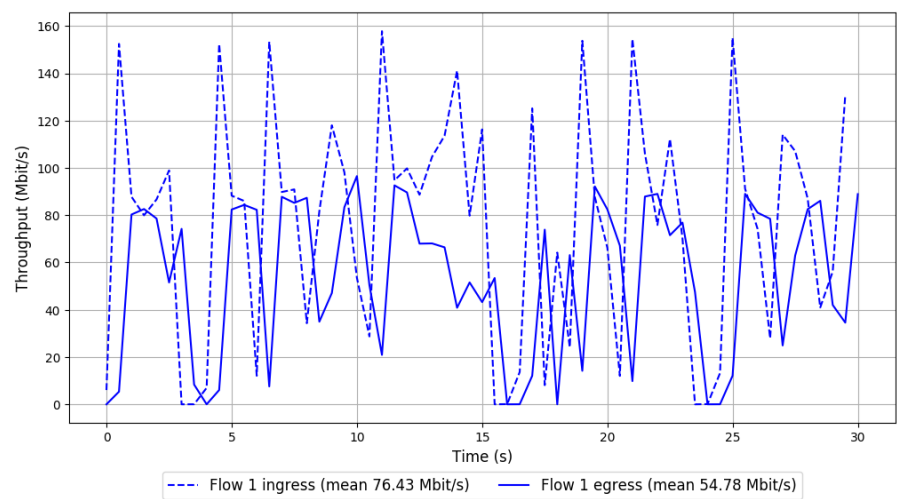


Run 8: Statistics of Verus

Start at: 2018-08-09 03:41:06
End at: 2018-08-09 03:41:36
Local clock offset: 0.168 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-08-09 05:07:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 66.884 ms
Loss rate: 28.27%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 66.884 ms
Loss rate: 28.27%

Run 8: Report of Verus — Data Link

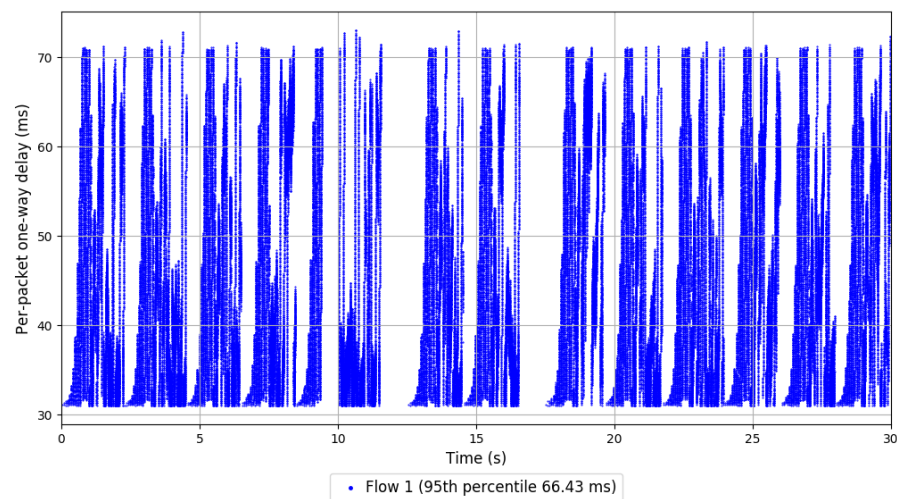
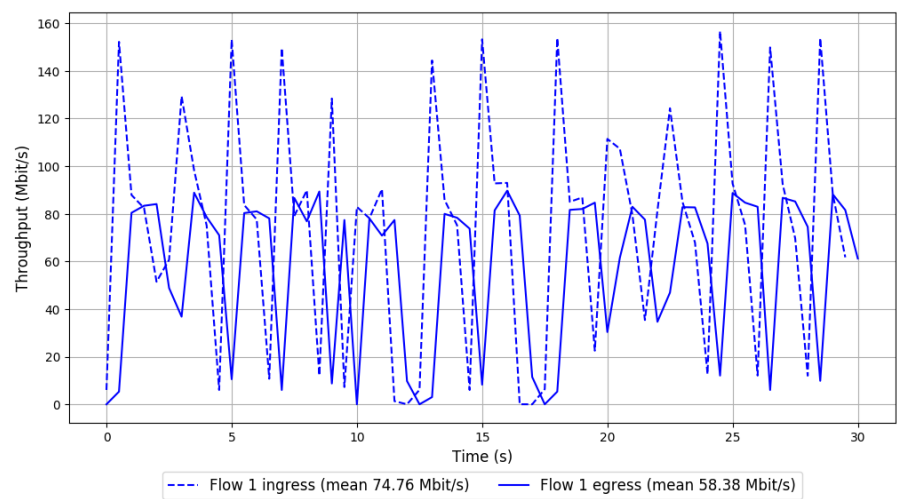


Run 9: Statistics of Verus

Start at: 2018-08-09 04:03:27
End at: 2018-08-09 04:03:57
Local clock offset: 0.324 ms
Remote clock offset: -1.373 ms

Below is generated by plot.py at 2018-08-09 05:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.38 Mbit/s
95th percentile per-packet one-way delay: 66.433 ms
Loss rate: 21.87%
-- Flow 1:
Average throughput: 58.38 Mbit/s
95th percentile per-packet one-way delay: 66.433 ms
Loss rate: 21.87%

Run 9: Report of Verus — Data Link

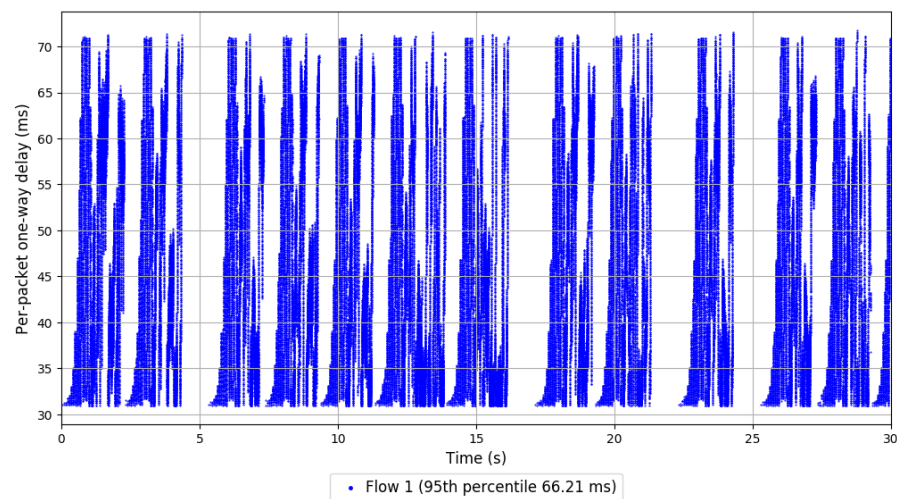
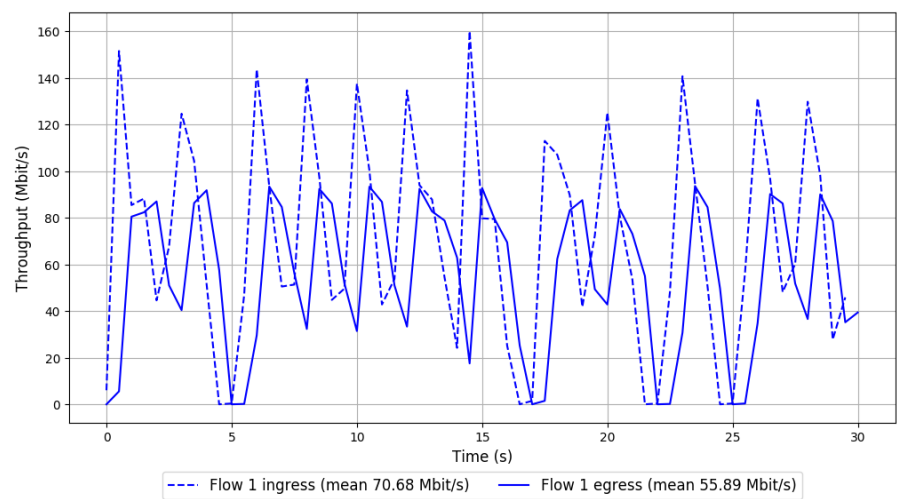


Run 10: Statistics of Verus

Start at: 2018-08-09 04:25:42
End at: 2018-08-09 04:26:12
Local clock offset: 0.379 ms
Remote clock offset: -1.285 ms

Below is generated by plot.py at 2018-08-09 05:07:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 66.211 ms
Loss rate: 20.87%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 66.211 ms
Loss rate: 20.87%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 01:05:45

End at: 2018-08-09 01:06:15

Local clock offset: -7.514 ms

Remote clock offset: -1.722 ms

Below is generated by plot.py at 2018-08-09 05:08:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.14 Mbit/s

95th percentile per-packet one-way delay: 33.299 ms

Loss rate: 0.00%

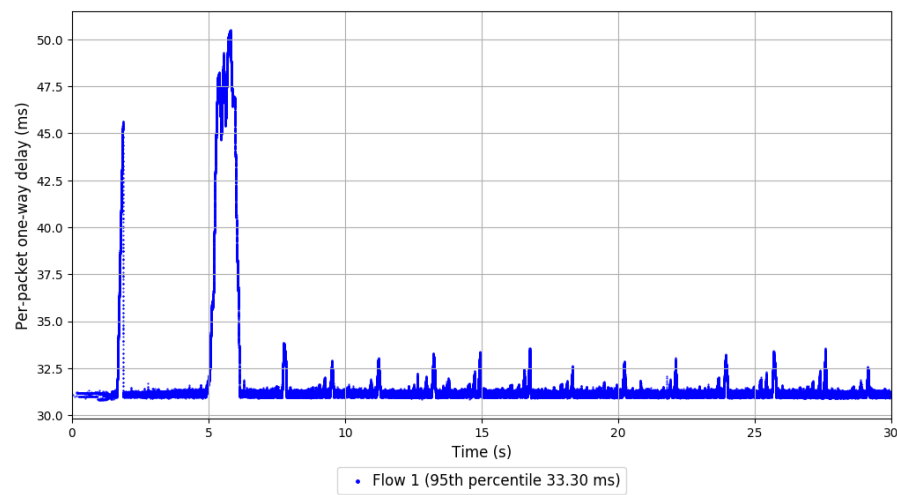
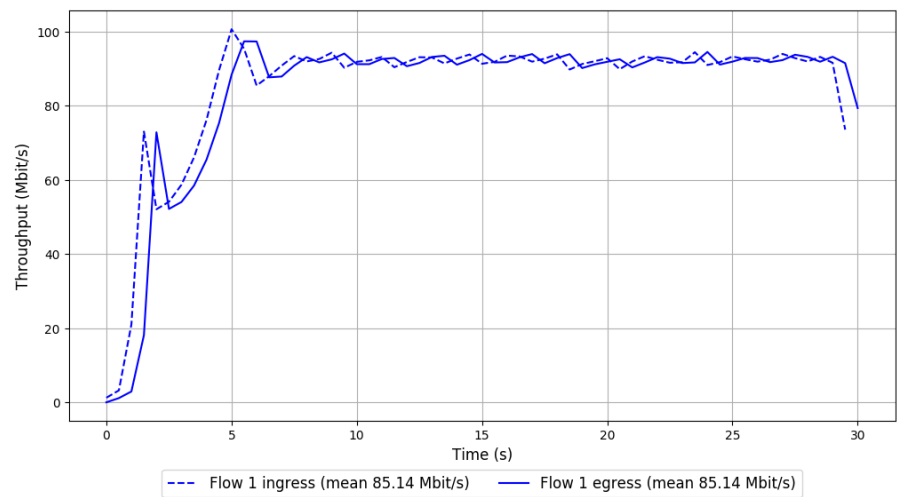
-- Flow 1:

Average throughput: 85.14 Mbit/s

95th percentile per-packet one-way delay: 33.299 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

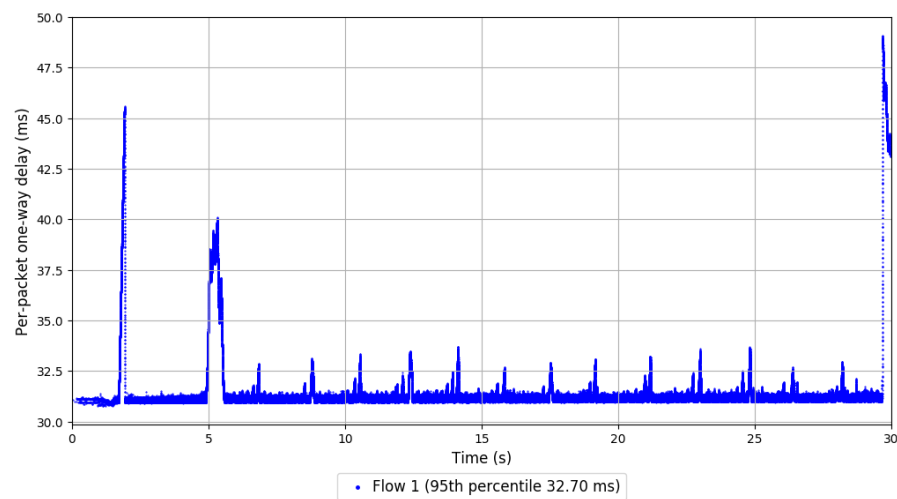
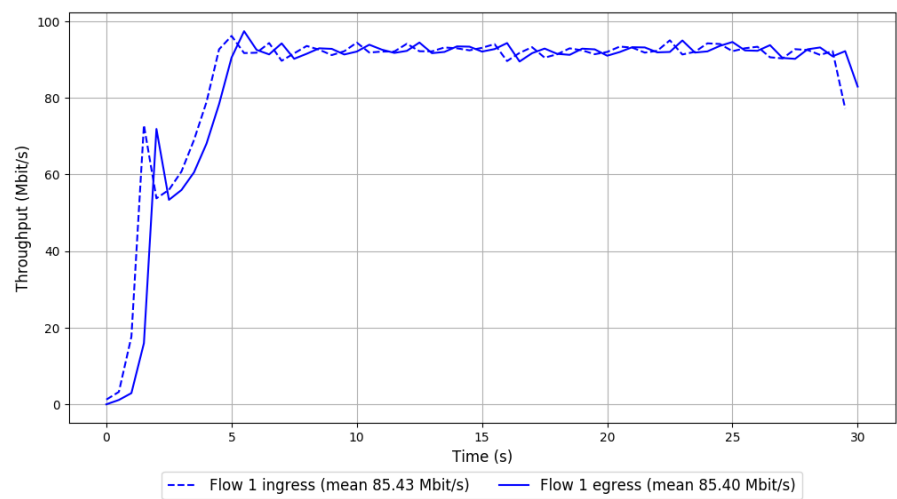


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 01:27:58
End at: 2018-08-09 01:28:28
Local clock offset: -3.401 ms
Remote clock offset: -3.071 ms

Below is generated by plot.py at 2018-08-09 05:08:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 32.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 32.705 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

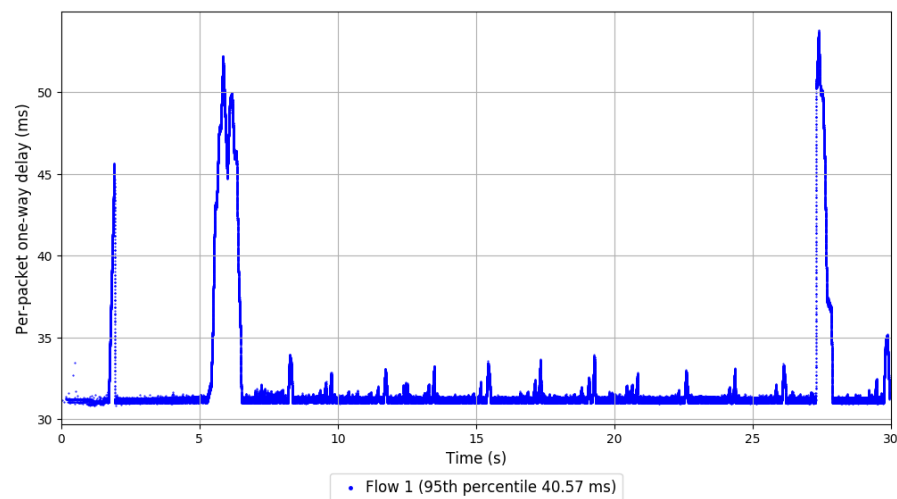
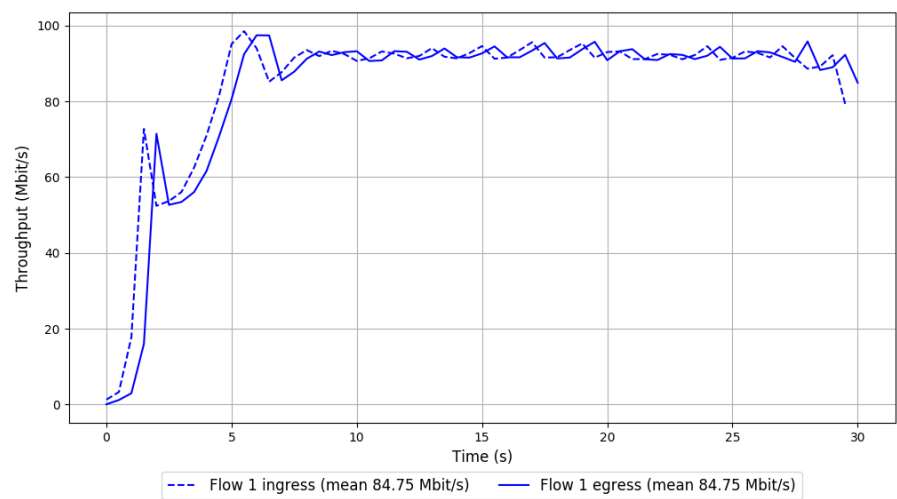


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 01:50:19
End at: 2018-08-09 01:50:49
Local clock offset: -3.465 ms
Remote clock offset: -2.163 ms

Below is generated by plot.py at 2018-08-09 05:08:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 40.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 40.570 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 02:12:36

End at: 2018-08-09 02:13:06

Local clock offset: -5.138 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-08-09 05:08:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.45 Mbit/s

95th percentile per-packet one-way delay: 36.772 ms

Loss rate: 0.00%

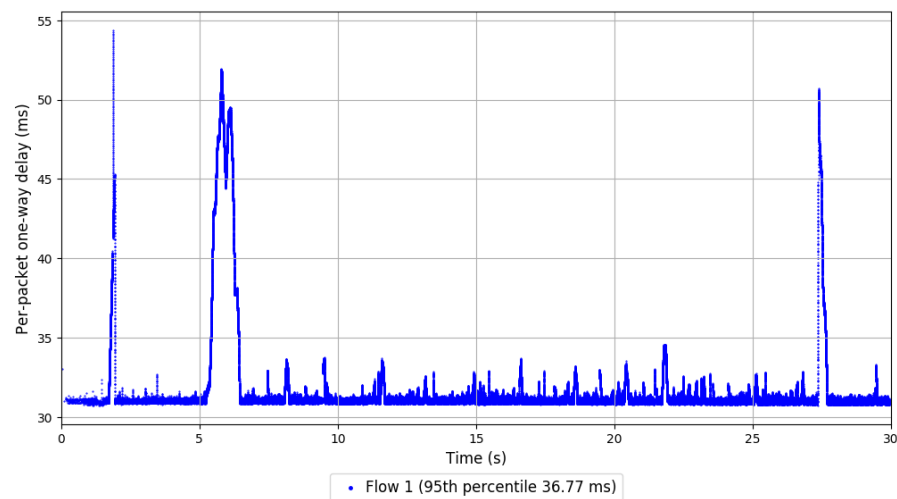
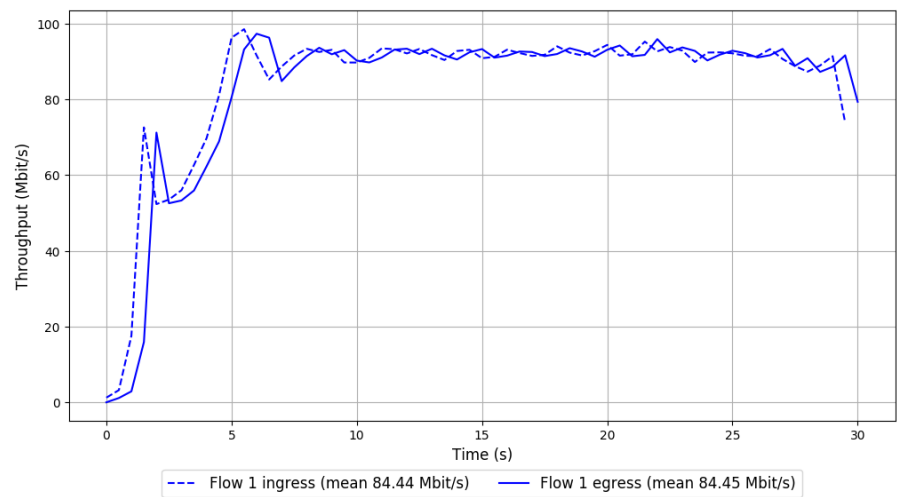
-- Flow 1:

Average throughput: 84.45 Mbit/s

95th percentile per-packet one-way delay: 36.772 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 02:34:59

End at: 2018-08-09 02:35:29

Local clock offset: -0.656 ms

Remote clock offset: 1.998 ms

Below is generated by plot.py at 2018-08-09 05:08:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.60 Mbit/s

95th percentile per-packet one-way delay: 33.338 ms

Loss rate: 0.01%

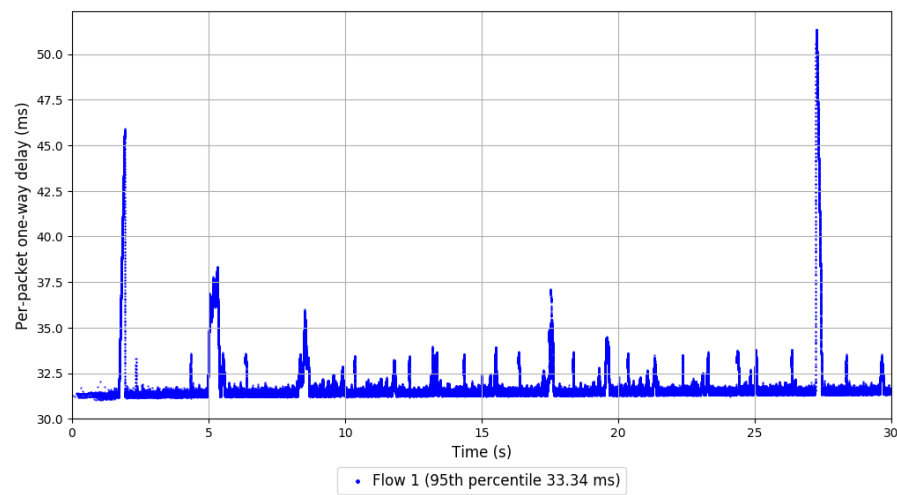
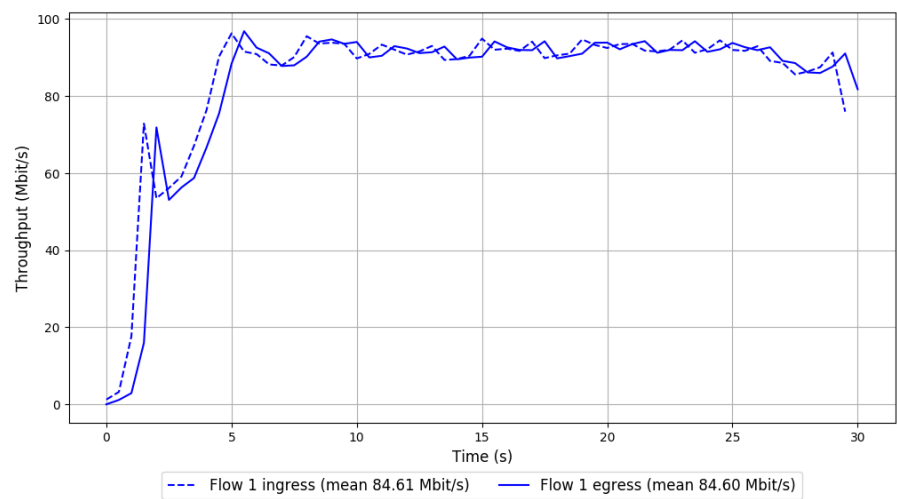
-- Flow 1:

Average throughput: 84.60 Mbit/s

95th percentile per-packet one-way delay: 33.338 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 02:57:34

End at: 2018-08-09 02:58:04

Local clock offset: 0.234 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-08-09 05:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 32.787 ms

Loss rate: 0.00%

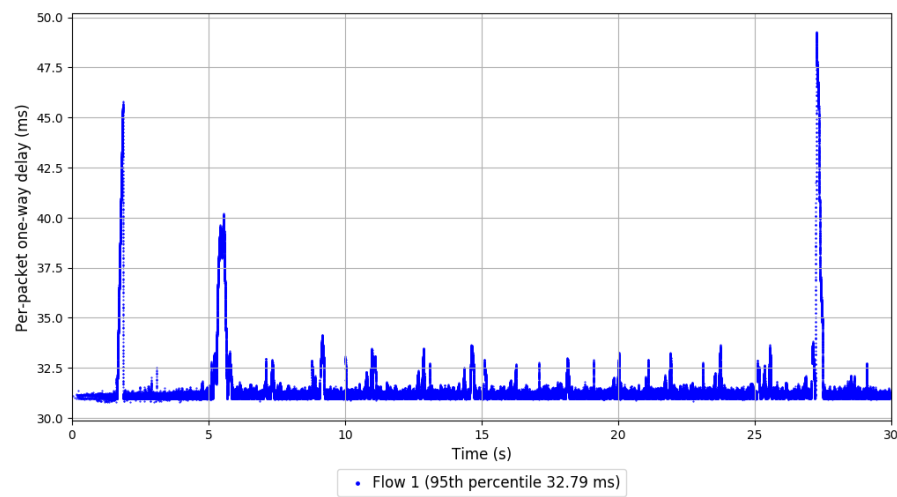
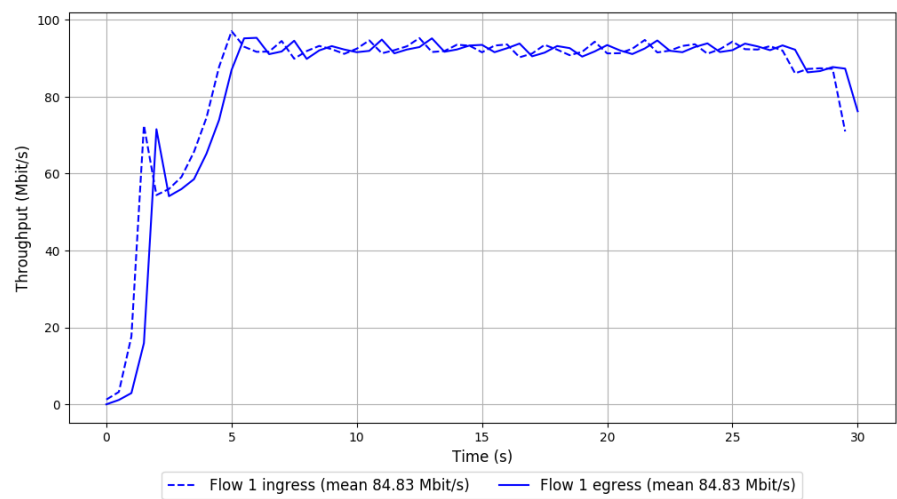
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 32.787 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 03:20:06

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

Local clock offset: 0.282 ms

Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-08-09 05:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.49 Mbit/s

95th percentile per-packet one-way delay: 35.983 ms

Loss rate: 0.00%

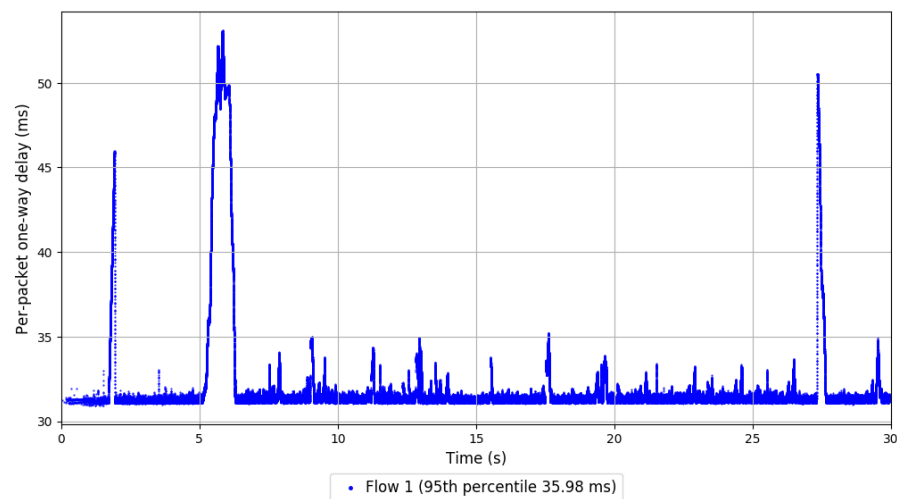
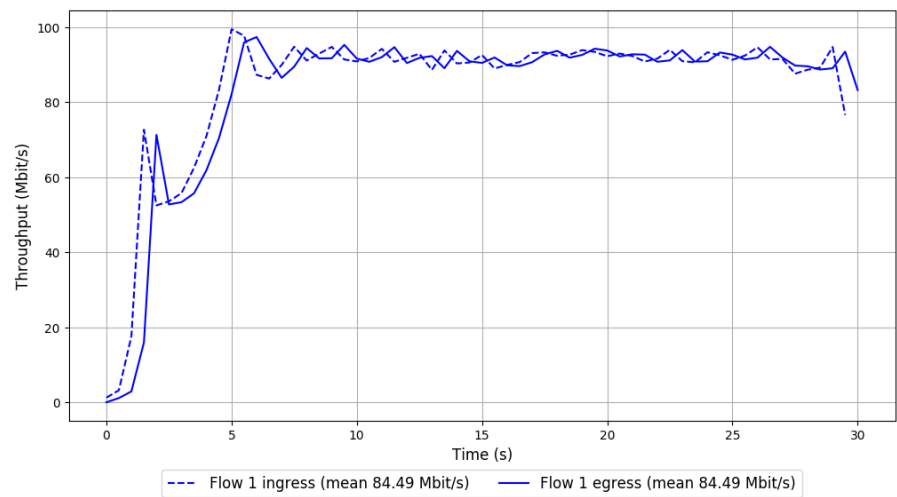
-- Flow 1:

Average throughput: 84.49 Mbit/s

95th percentile per-packet one-way delay: 35.983 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

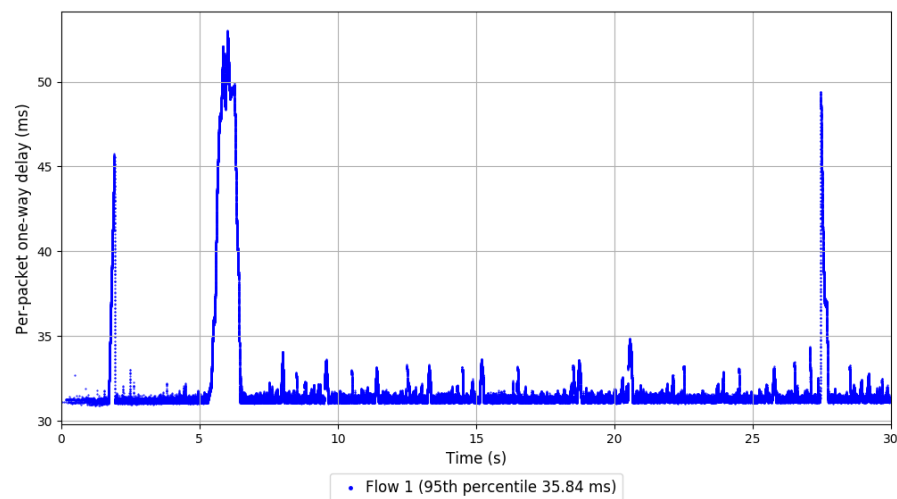
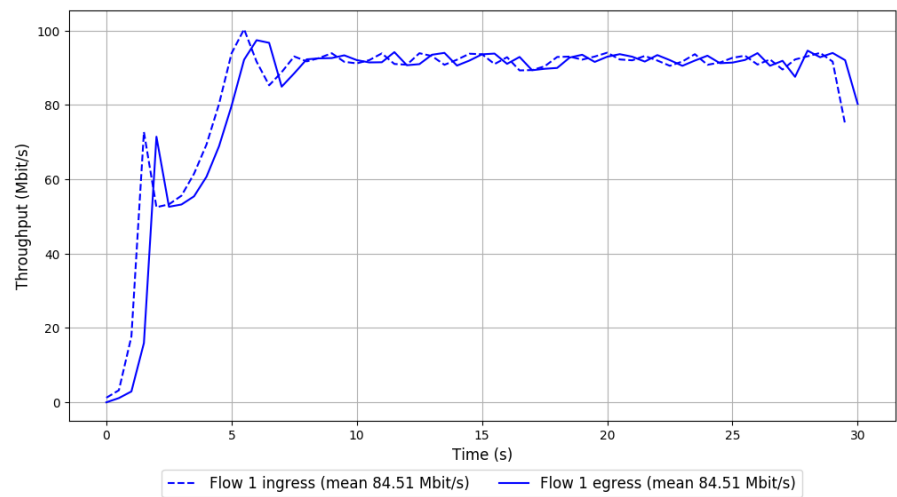


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 03:42:25
End at: 2018-08-09 03:42:55
Local clock offset: 0.162 ms
Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-08-09 05:08:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 35.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 35.844 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

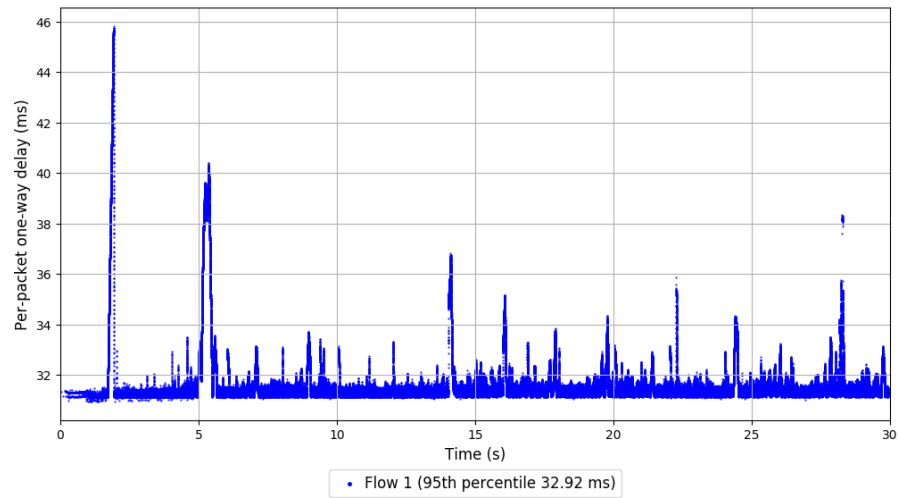
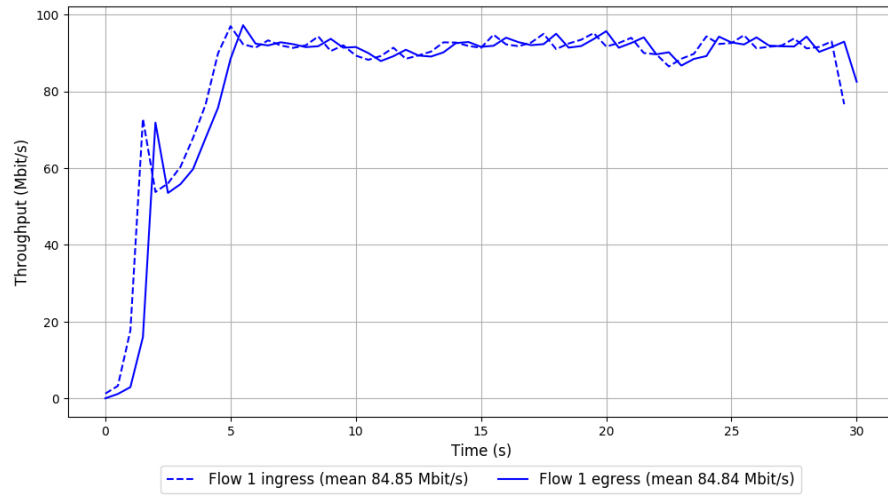


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 04:04:45
End at: 2018-08-09 04:05:15
Local clock offset: 0.241 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-08-09 05:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 32.917 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 32.917 ms
Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 04:27:01

End at: 2018-08-09 04:27:31

Local clock offset: 0.366 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at 2018-08-09 05:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 32.989 ms

Loss rate: 0.00%

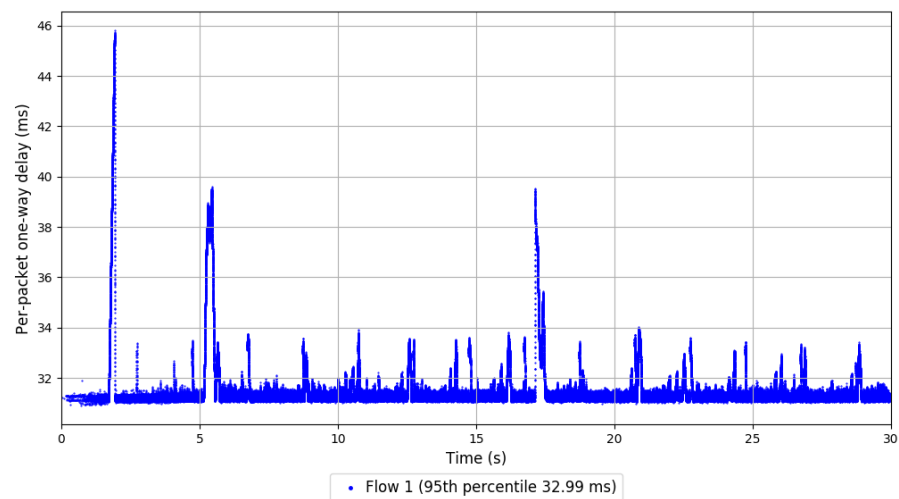
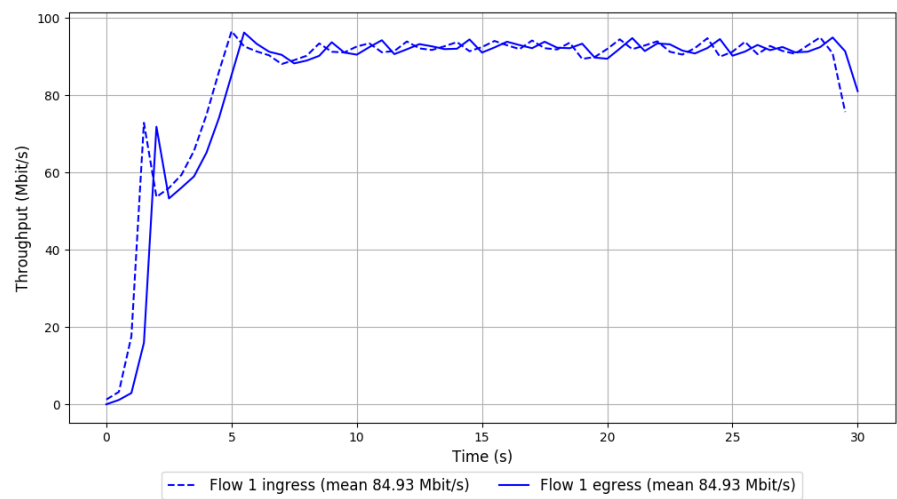
-- Flow 1:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 32.989 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

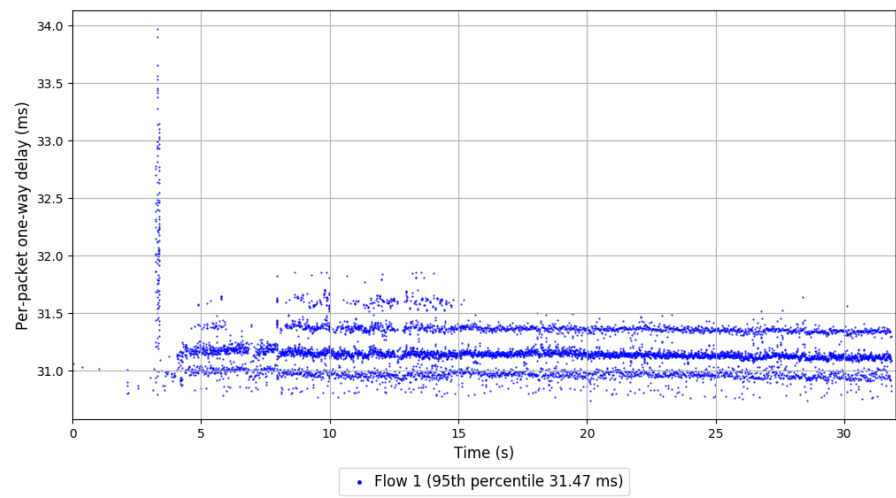
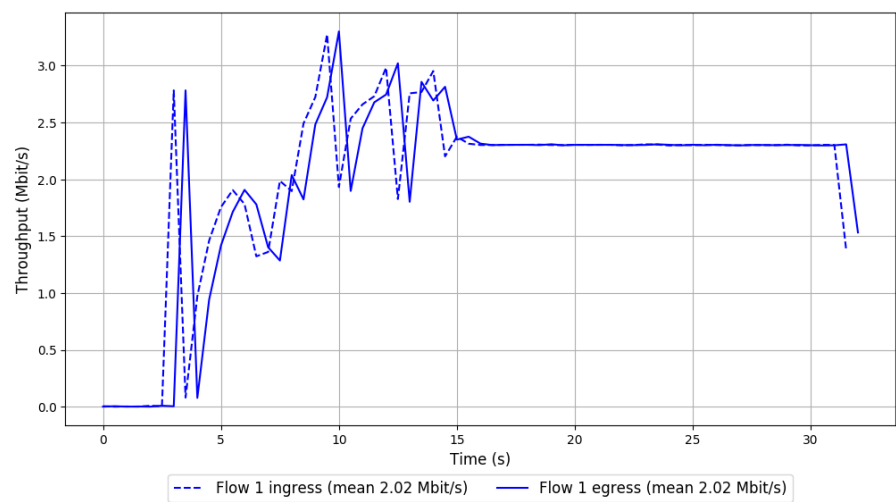


Run 1: Statistics of WebRTC media

Start at: 2018-08-09 01:08:23
End at: 2018-08-09 01:08:53
Local clock offset: -7.928 ms
Remote clock offset: -1.897 ms

Below is generated by plot.py at 2018-08-09 05:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 31.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 31.467 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-09 01:30:37

End at: 2018-08-09 01:31:07

Local clock offset: -3.041 ms

Remote clock offset: -2.88 ms

Below is generated by plot.py at 2018-08-09 05:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.640 ms

Loss rate: 0.00%

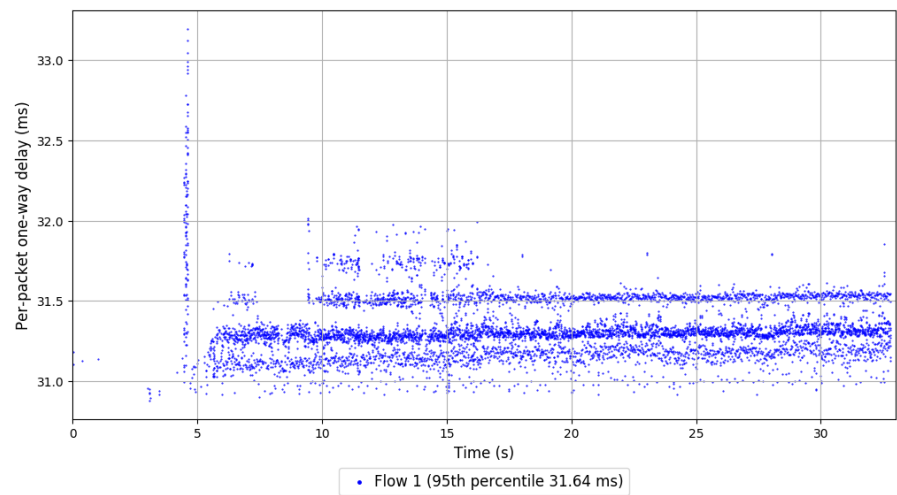
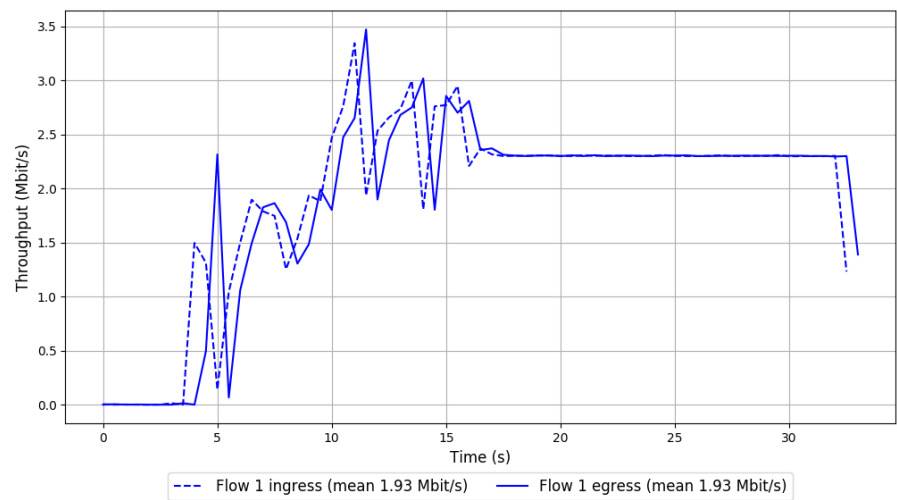
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.640 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

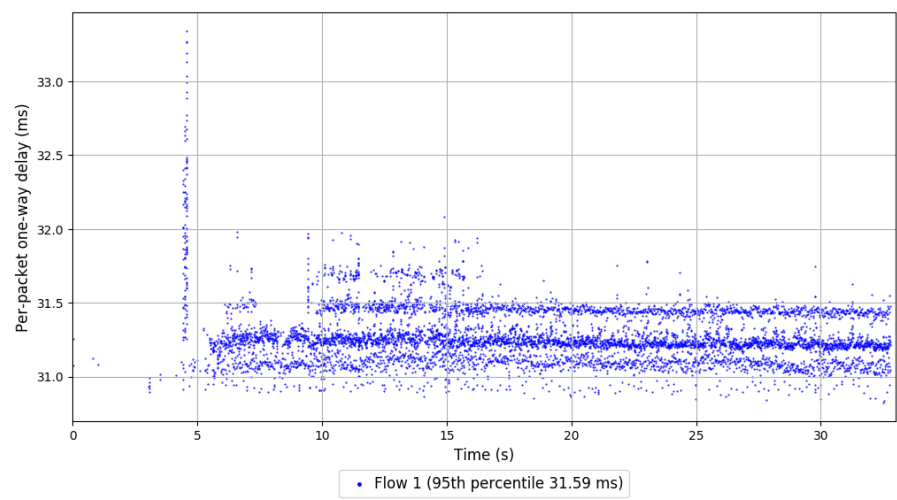
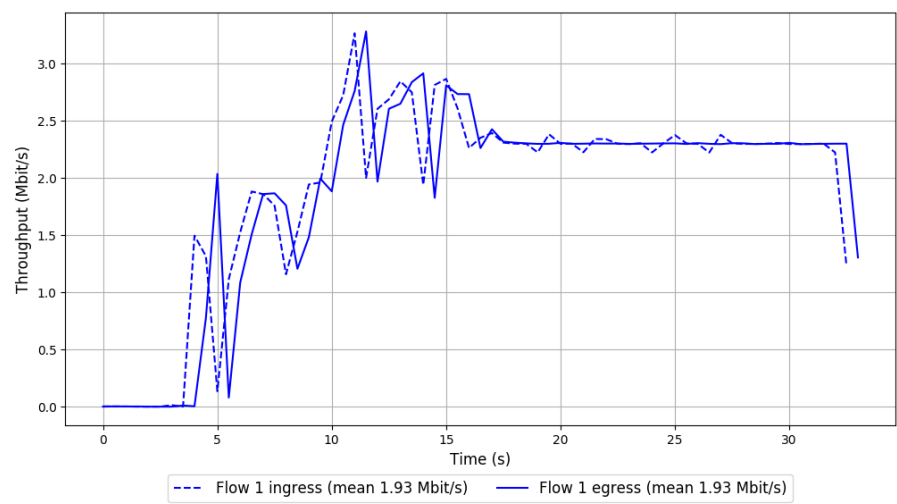


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 01:52:58
End at: 2018-08-09 01:53:28
Local clock offset: -3.516 ms
Remote clock offset: -2.019 ms

Below is generated by plot.py at 2018-08-09 05:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 31.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 31.595 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-09 02:15:15

End at: 2018-08-09 02:15:45

Local clock offset: -5.471 ms

Remote clock offset: 0.487 ms

Below is generated by plot.py at 2018-08-09 05:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.644 ms

Loss rate: 0.00%

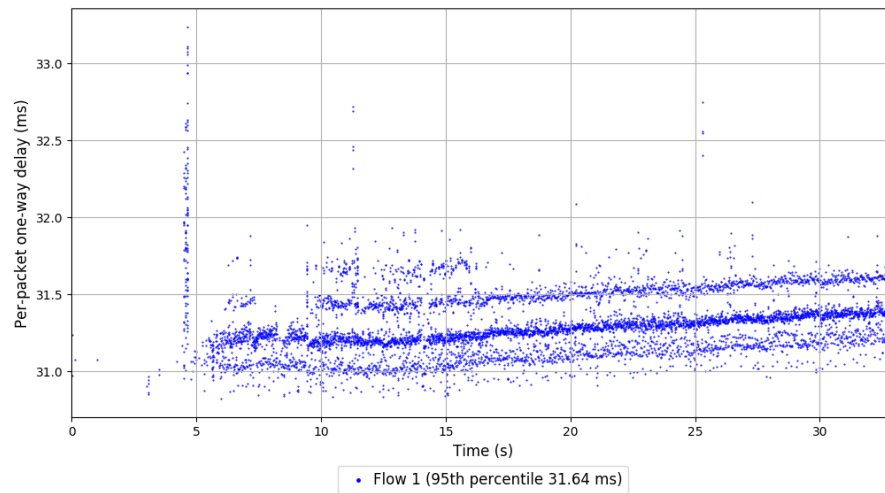
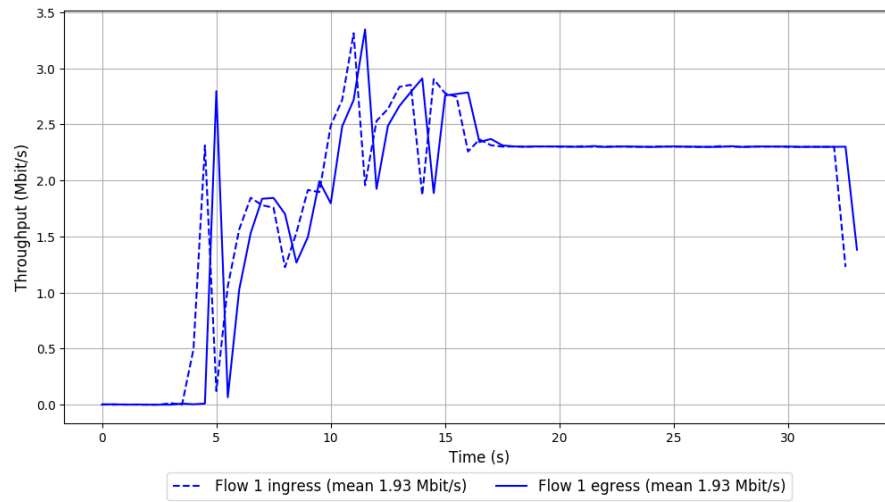
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 31.644 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-09 02:37:41

End at: 2018-08-09 02:38:11

Local clock offset: -0.518 ms

Remote clock offset: 1.337 ms

Below is generated by plot.py at 2018-08-09 05:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.828 ms

Loss rate: 0.02%

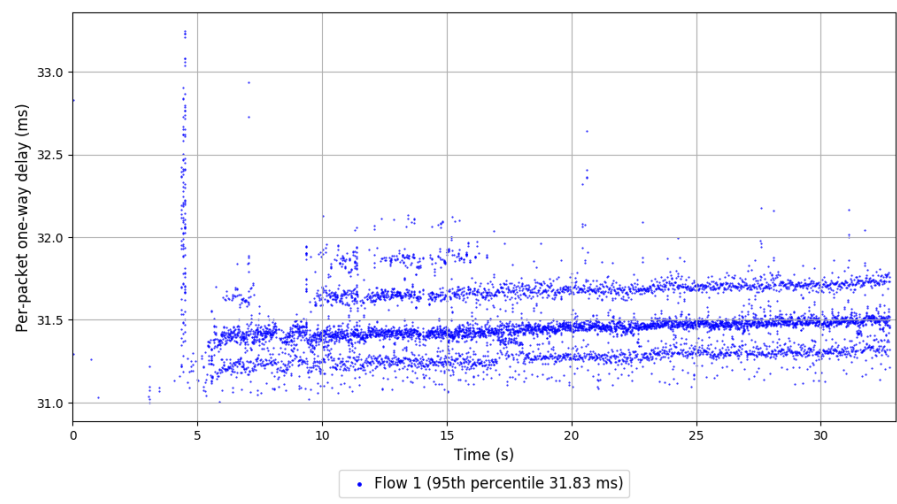
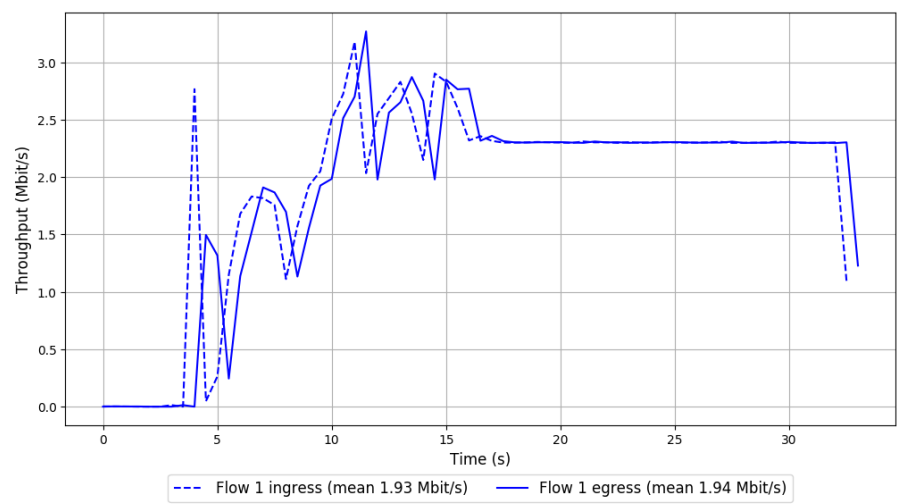
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.828 ms

Loss rate: 0.02%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 03:00:15

End at: 2018-08-09 03:00:45

Local clock offset: 0.251 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-08-09 05:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.675 ms

Loss rate: 0.00%

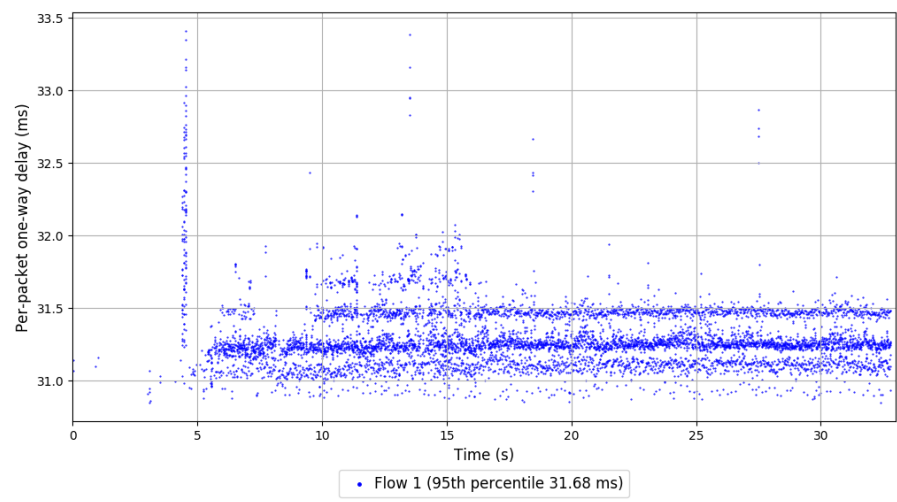
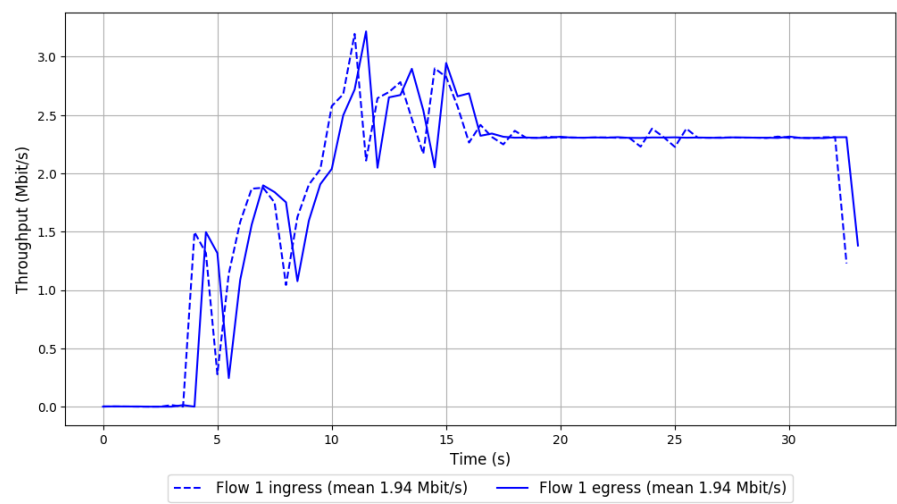
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.675 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

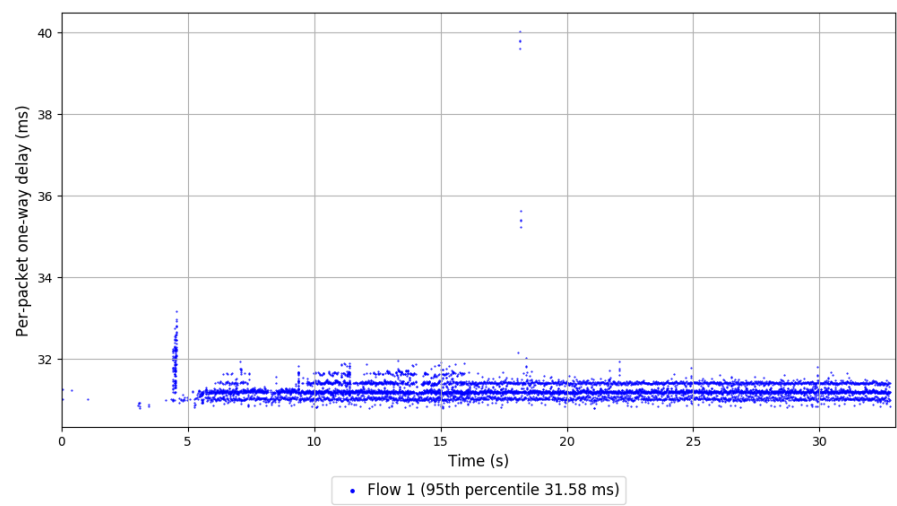
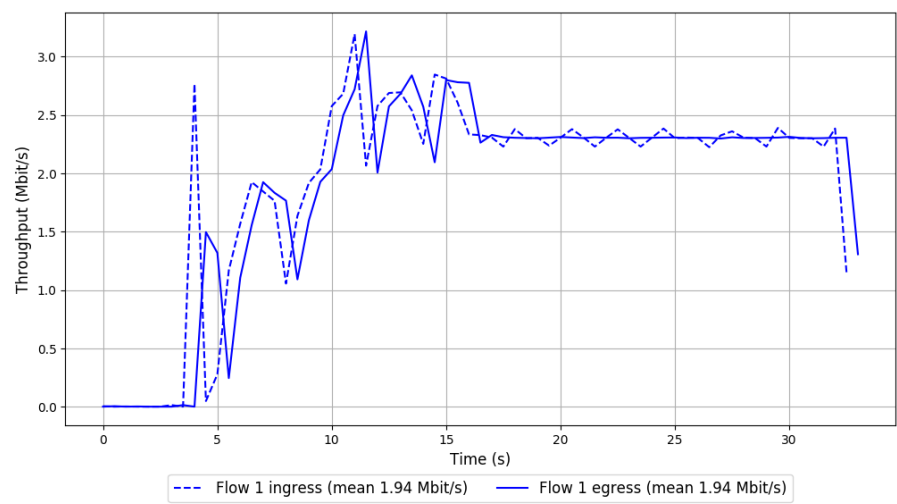


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 03:22:44
End at: 2018-08-09 03:23:14
Local clock offset: 0.27 ms
Remote clock offset: -0.497 ms

Below is generated by plot.py at 2018-08-09 05:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 31.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 31.584 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

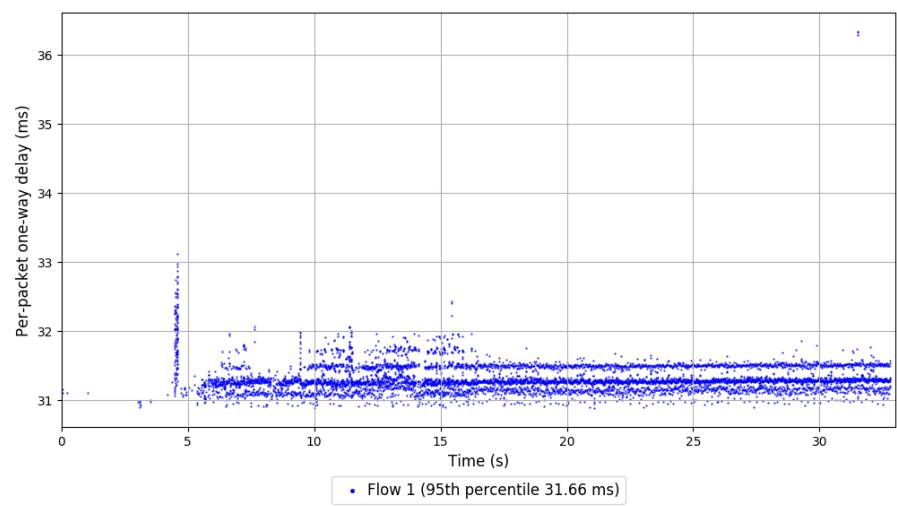
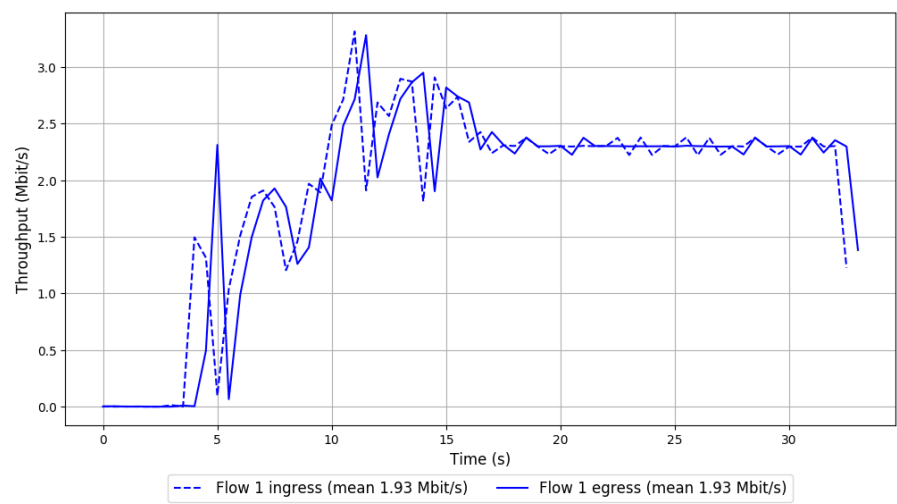


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 03:45:05
End at: 2018-08-09 03:45:35
Local clock offset: 0.142 ms
Remote clock offset: -0.596 ms

Below is generated by plot.py at 2018-08-09 05:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 31.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 31.665 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 04:07:24

End at: 2018-08-09 04:07:54

Local clock offset: 0.342 ms

Remote clock offset: -1.524 ms

Below is generated by plot.py at 2018-08-09 05:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.487 ms

Loss rate: 0.00%

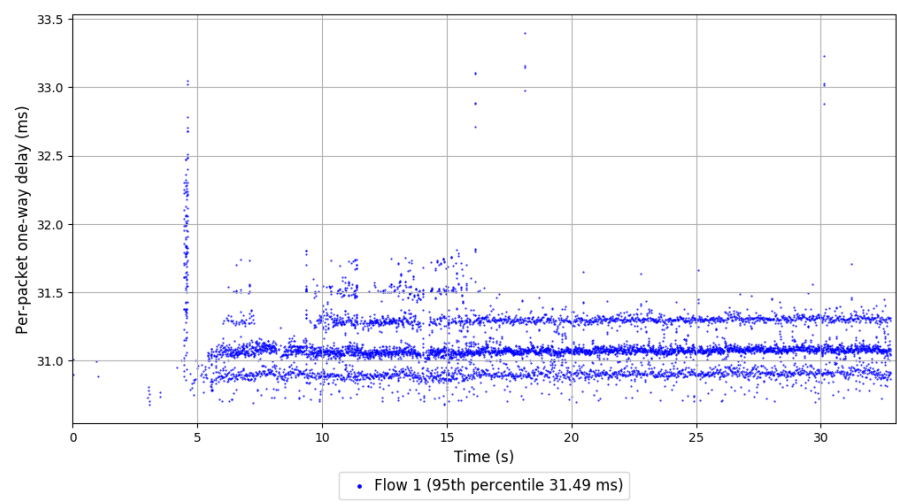
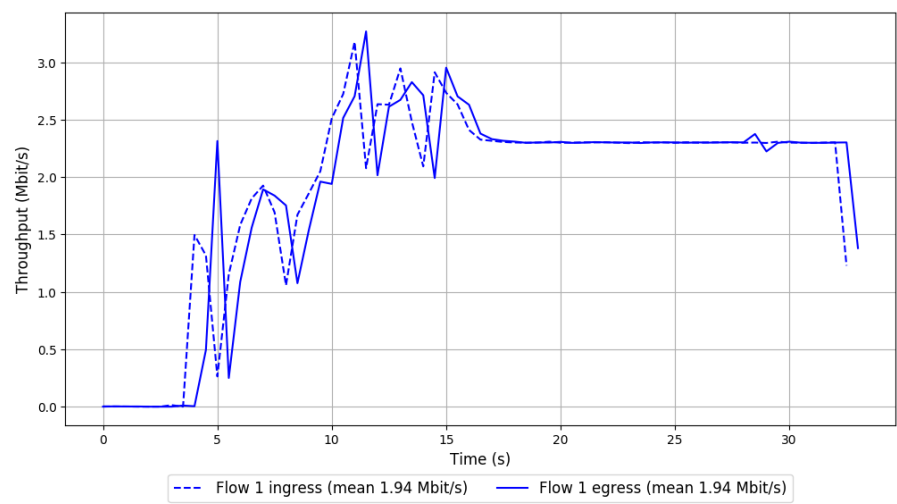
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 31.487 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 04:29:39
End at: 2018-08-09 04:30:09
Local clock offset: 0.27 ms
Remote clock offset: -1.416 ms

Below is generated by plot.py at 2018-08-09 05:08:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 31.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 31.549 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

