

Pantheon Report

Generated at 2018-07-17 12:29:58 (UTC).

Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

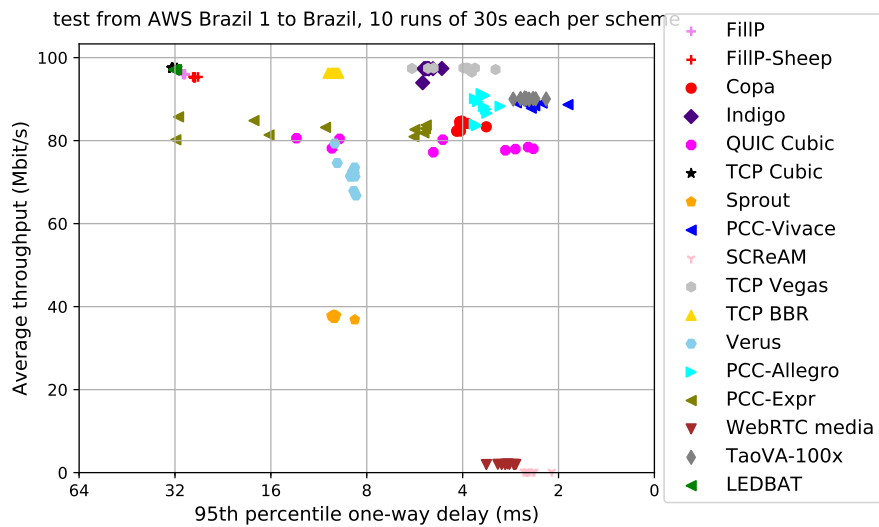
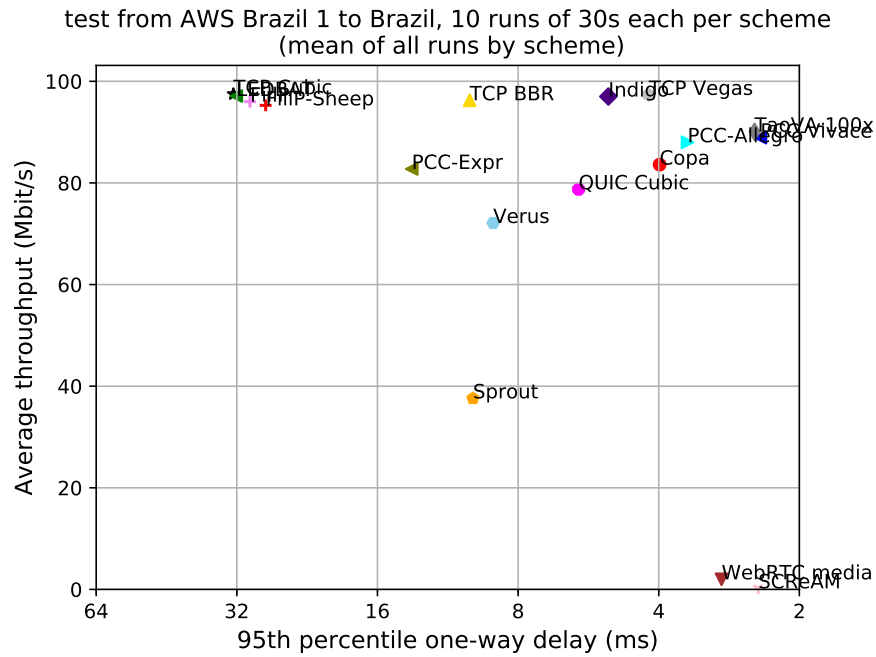
Each test lasted for 30 seconds running 1 flow.

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

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

Git summary:

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.27	10.15	0.00
Copa	10	83.60	3.98	0.00
TCP Cubic	10	97.48	32.55	0.01
FillP	10	96.00	29.98	4.50
FillP-Sheep	10	95.27	27.76	1.19
Indigo	10	97.00	5.13	0.00
LEDBAT	10	97.10	32.09	0.01
PCC-Allegro	10	88.00	3.47	0.00
PCC-Expr	10	82.75	13.51	0.15
QUIC Cubic	9	78.74	5.94	0.23
SCReAM	10	0.22	2.45	0.00
Sprout	10	37.60	9.99	0.00
TaoVA-100x	10	90.08	2.49	0.00
TCP Vegas	10	97.32	4.20	0.00
Verus	10	72.11	9.05	0.93
PCC-Vivace	10	88.91	2.42	0.00
WebRTC media	10	1.99	2.93	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-17 09:01:03

End at: 2018-07-17 09:01:33

Local clock offset: 3.773 ms

Remote clock offset: -6.83 ms

Below is generated by plot.py at 2018-07-17 12:06:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.994 ms

Loss rate: 0.00%

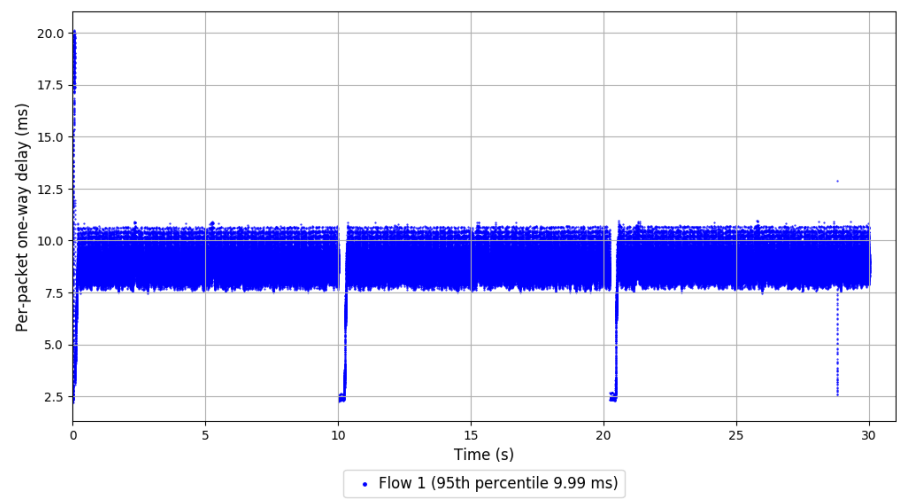
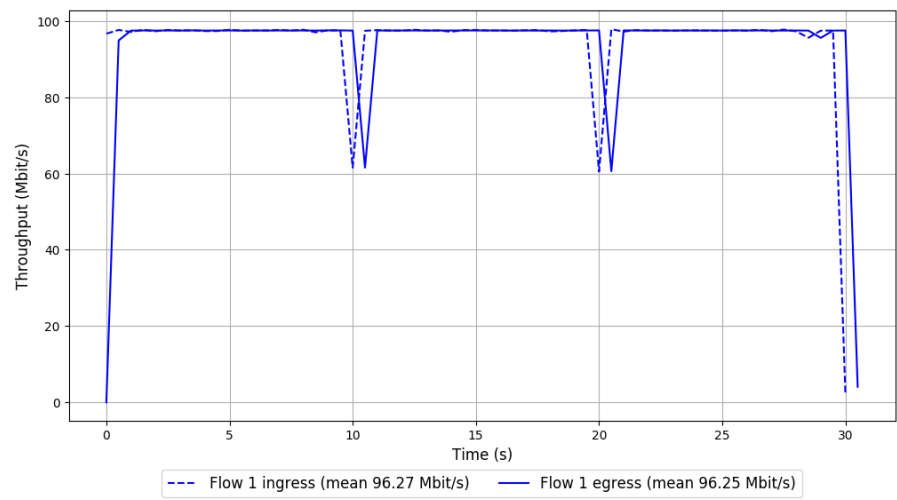
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.994 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-17 09:20:01

End at: 2018-07-17 09:20:31

Local clock offset: 6.747 ms

Remote clock offset: -5.116 ms

Below is generated by plot.py at 2018-07-17 12:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.921 ms

Loss rate: 0.00%

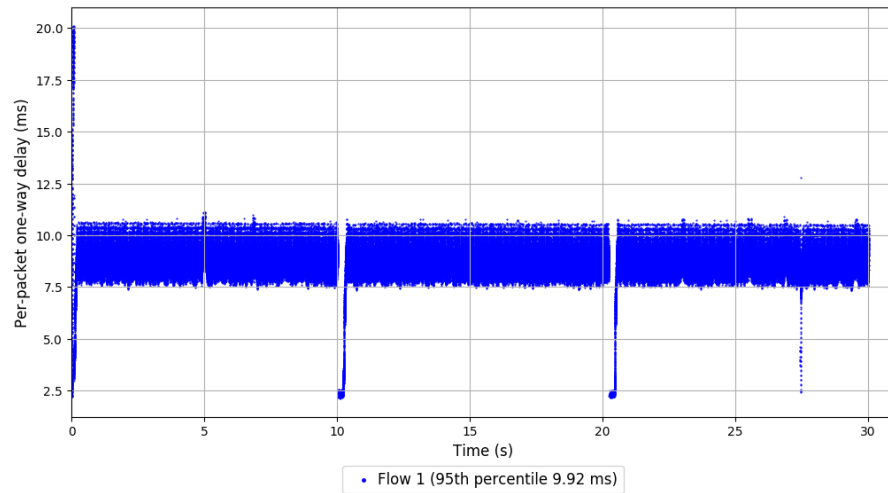
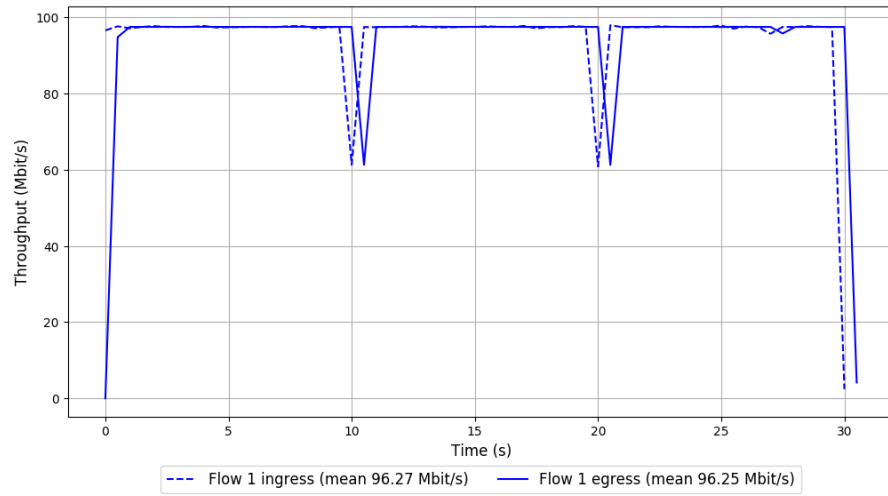
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.921 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-17 09:39:04

End at: 2018-07-17 09:39:34

Local clock offset: -4.613 ms

Remote clock offset: -1.514 ms

Below is generated by plot.py at 2018-07-17 12:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.805 ms

Loss rate: 0.00%

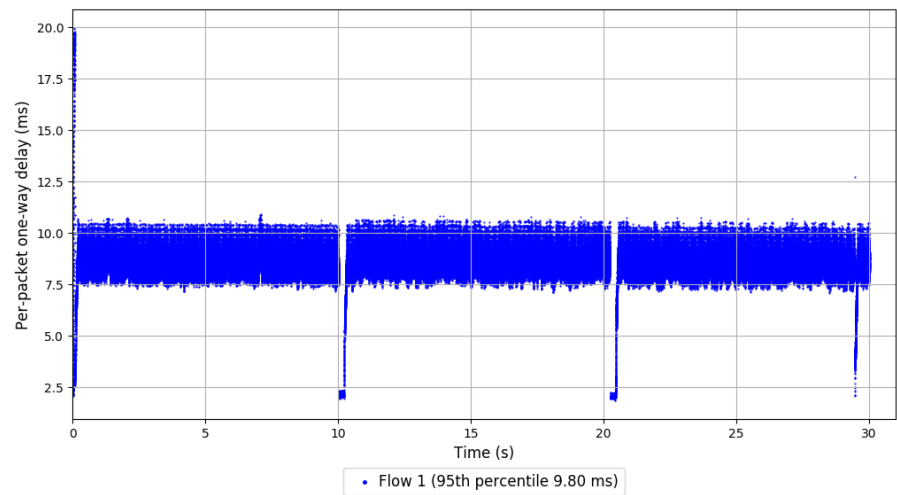
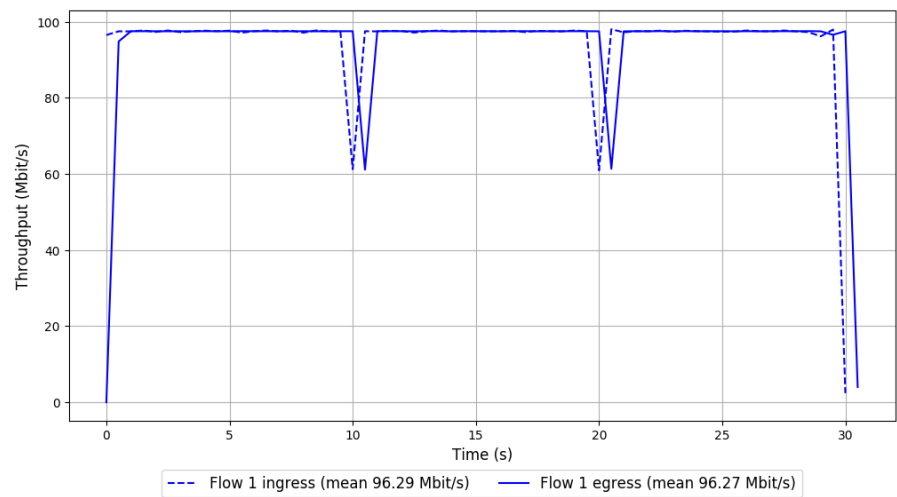
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.805 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

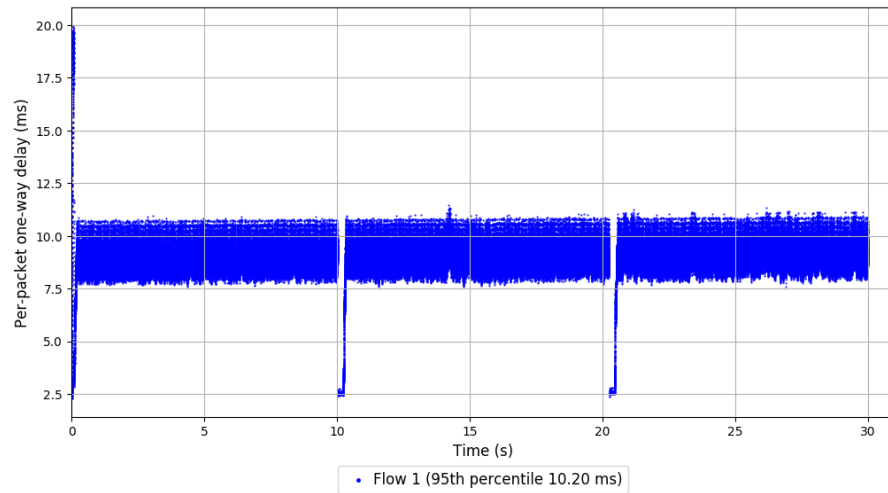
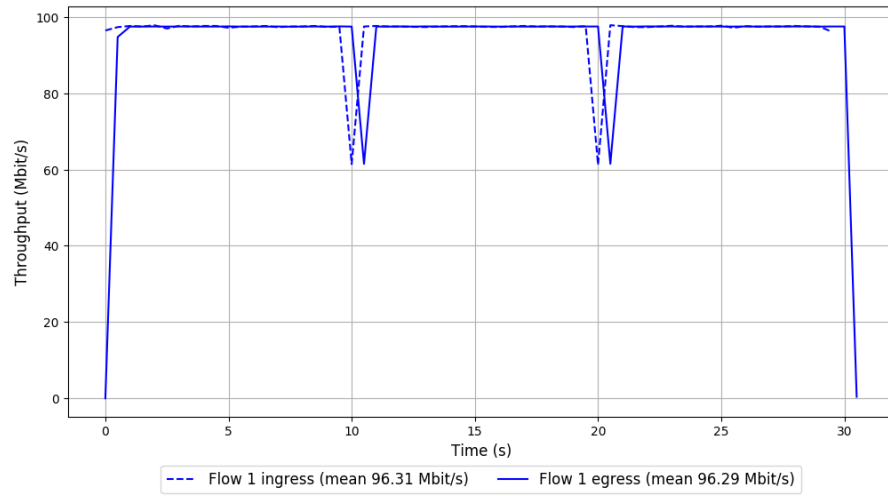


Run 4: Statistics of TCP BBR

Start at: 2018-07-17 09:58:05
End at: 2018-07-17 09:58:35
Local clock offset: -8.168 ms
Remote clock offset: -3.456 ms

Below is generated by plot.py at 2018-07-17 12:06:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 10.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 10.204 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

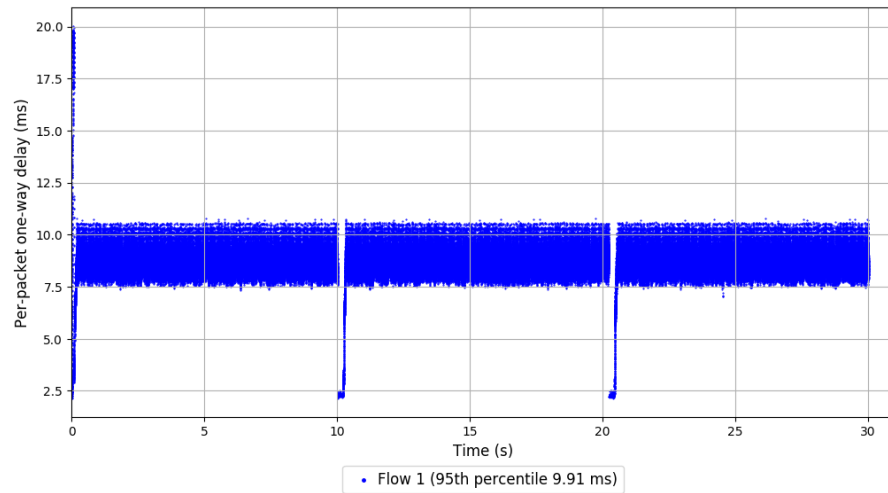
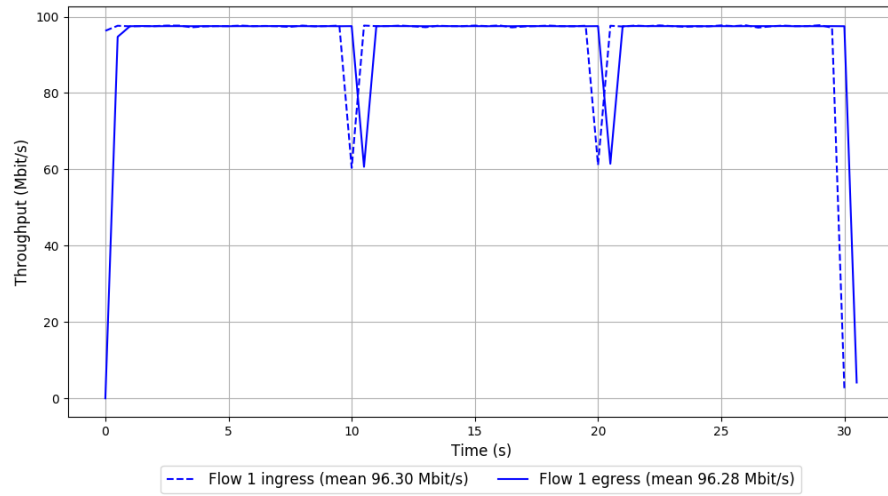


Run 5: Statistics of TCP BBR

Start at: 2018-07-17 10:17:06
End at: 2018-07-17 10:17:36
Local clock offset: -7.636 ms
Remote clock offset: -5.513 ms

Below is generated by plot.py at 2018-07-17 12:06:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 9.914 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

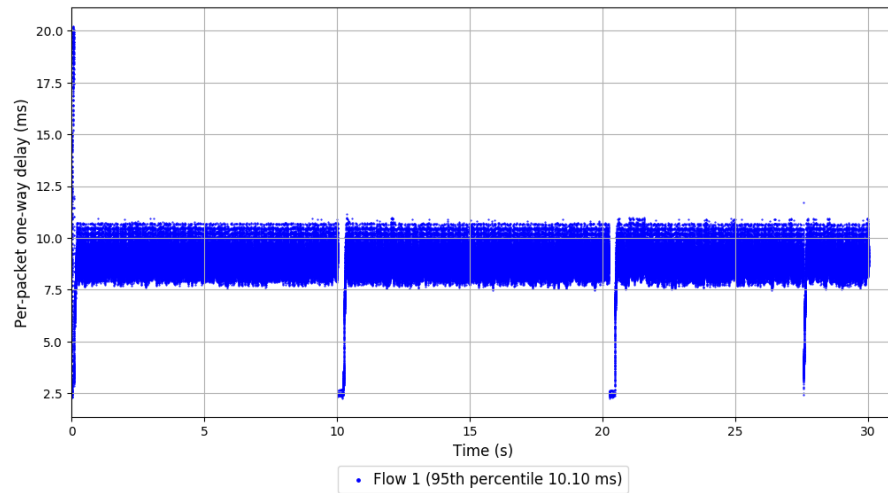
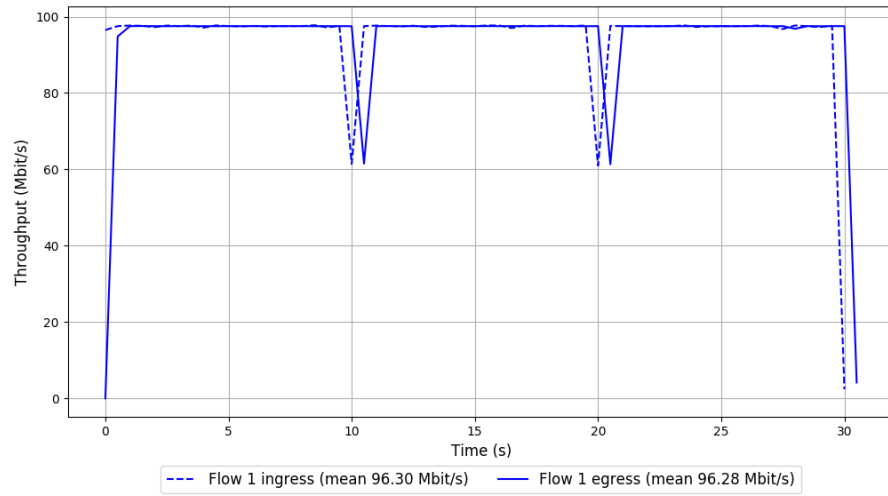


Run 6: Statistics of TCP BBR

Start at: 2018-07-17 10:36:08
End at: 2018-07-17 10:36:38
Local clock offset: -6.945 ms
Remote clock offset: -3.107 ms

Below is generated by plot.py at 2018-07-17 12:06:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.097 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

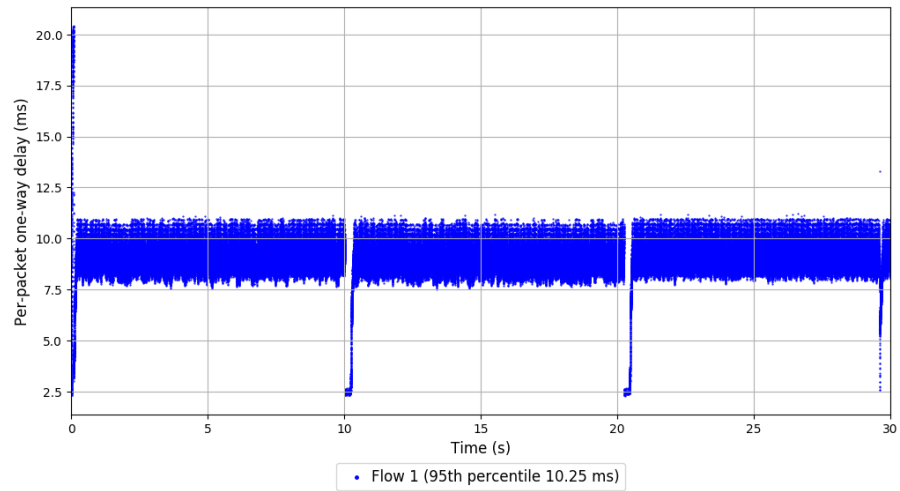
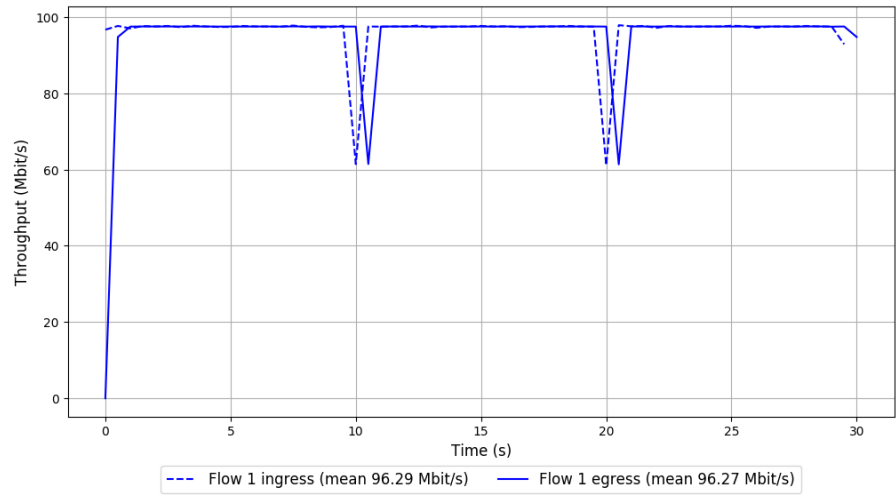


Run 7: Statistics of TCP BBR

Start at: 2018-07-17 10:55:15
End at: 2018-07-17 10:55:45
Local clock offset: -7.118 ms
Remote clock offset: -1.948 ms

Below is generated by plot.py at 2018-07-17 12:06:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.248 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

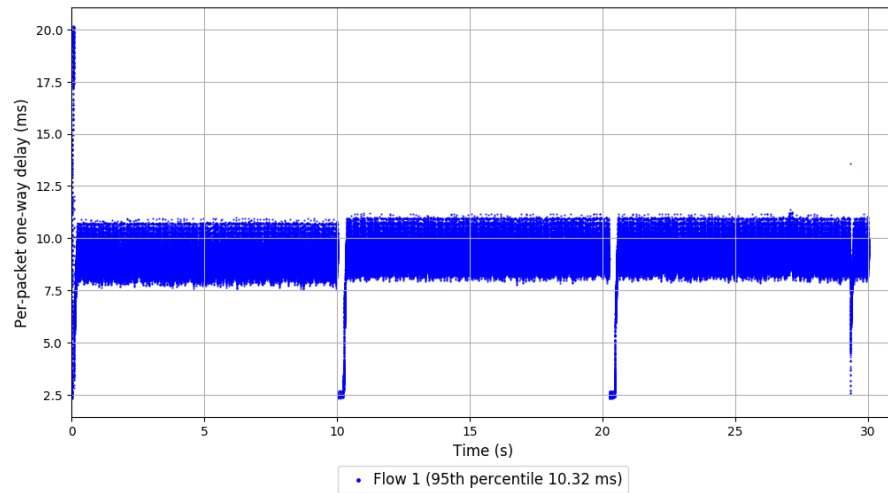
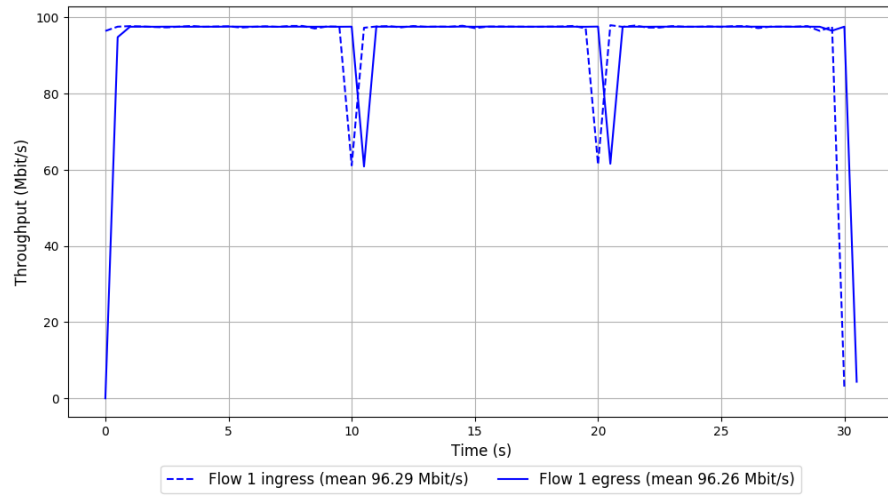


Run 8: Statistics of TCP BBR

Start at: 2018-07-17 11:14:17
End at: 2018-07-17 11:14:47
Local clock offset: -6.868 ms
Remote clock offset: -1.772 ms

Below is generated by plot.py at 2018-07-17 12:06:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.320 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

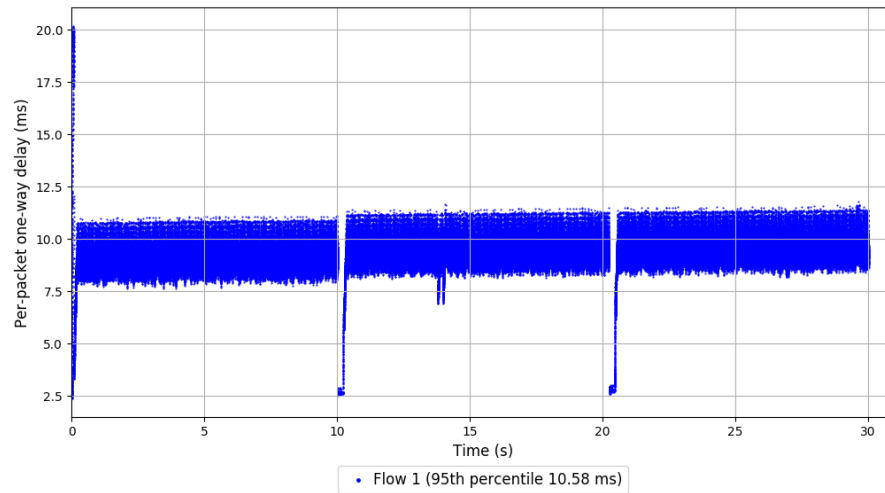
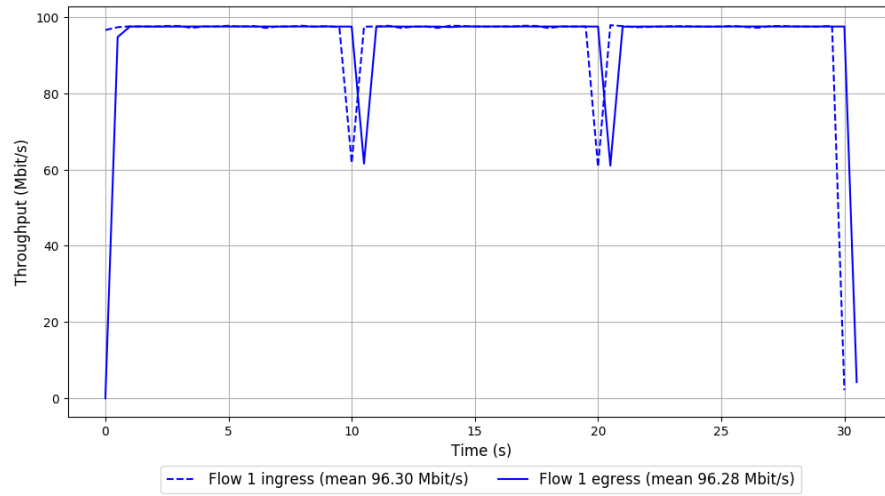


Run 9: Statistics of TCP BBR

Start at: 2018-07-17 11:33:18
End at: 2018-07-17 11:33:48
Local clock offset: -6.451 ms
Remote clock offset: -1.564 ms

Below is generated by plot.py at 2018-07-17 12:07:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.576 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

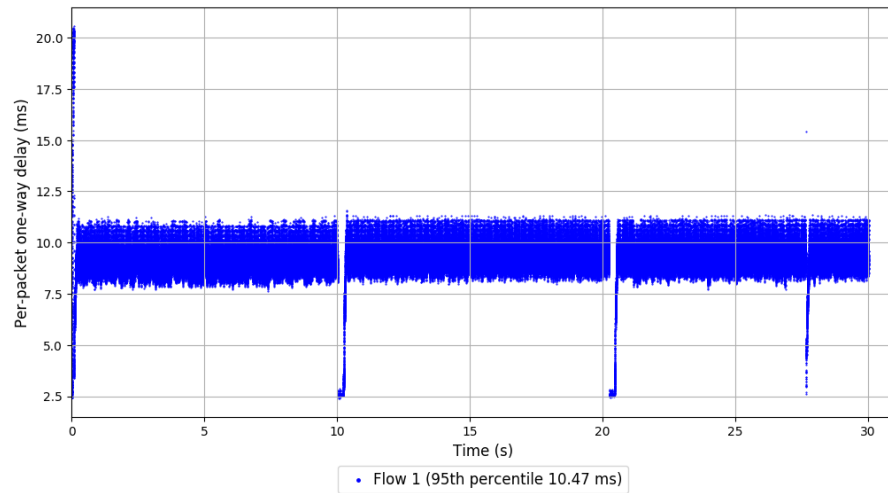
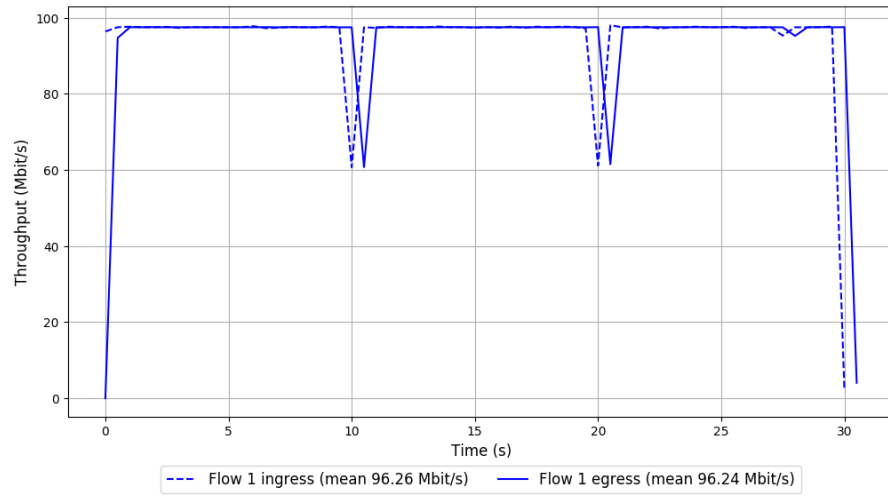


Run 10: Statistics of TCP BBR

Start at: 2018-07-17 11:52:19
End at: 2018-07-17 11:52:49
Local clock offset: -6.254 ms
Remote clock offset: -7.575 ms

Below is generated by plot.py at 2018-07-17 12:07:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.467 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

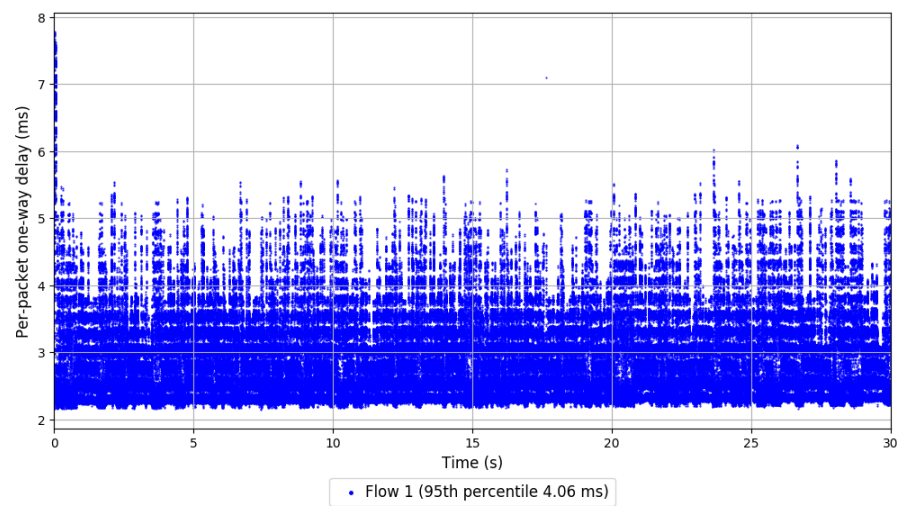
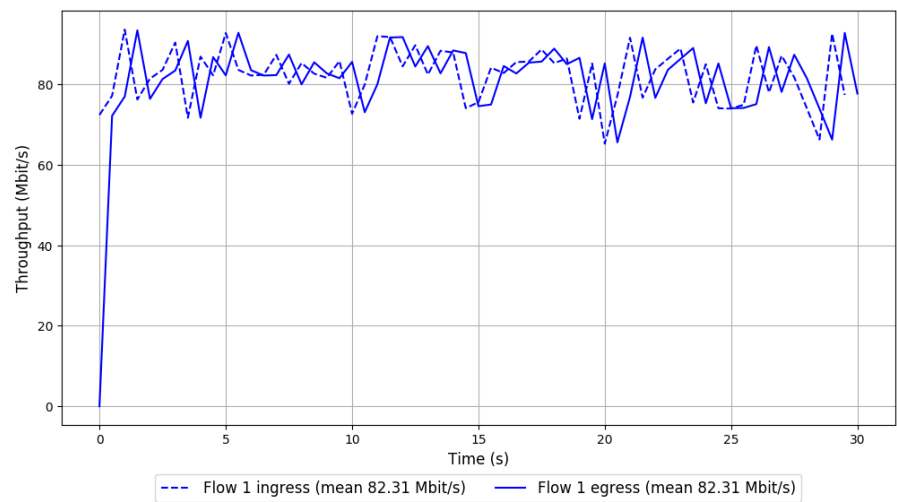


Run 1: Statistics of Copa

Start at: 2018-07-17 08:52:06
End at: 2018-07-17 08:52:36
Local clock offset: 2.47 ms
Remote clock offset: -7.167 ms

Below is generated by plot.py at 2018-07-17 12:08:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 4.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 4.064 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-17 09:11:04

End at: 2018-07-17 09:11:34

Local clock offset: 5.323 ms

Remote clock offset: -6.641 ms

Below is generated by plot.py at 2018-07-17 12:08:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.33 Mbit/s

95th percentile per-packet one-way delay: 4.171 ms

Loss rate: 0.00%

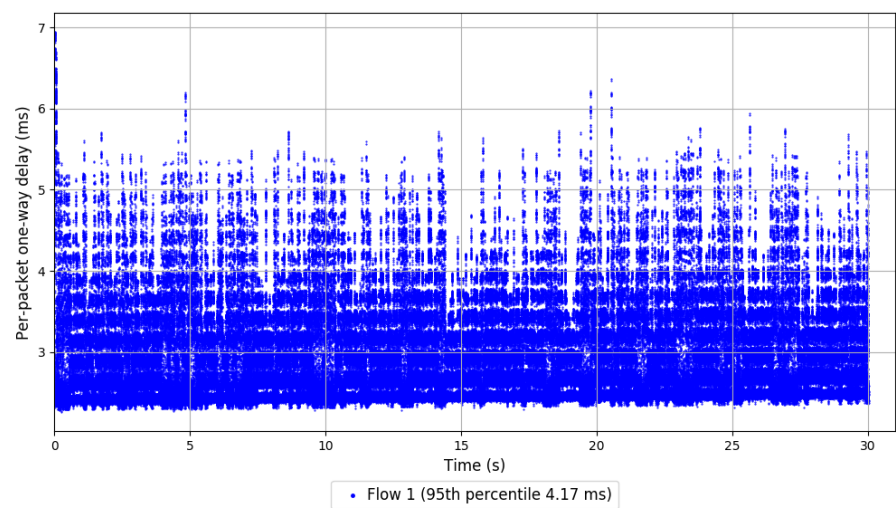
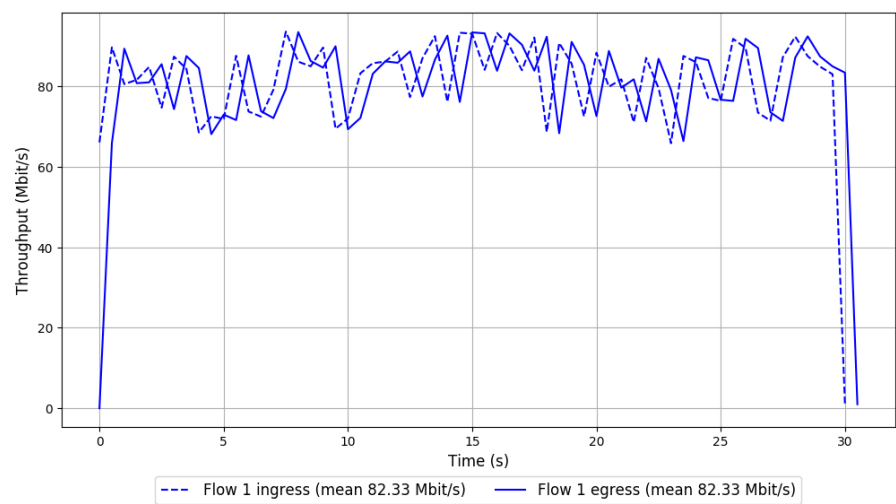
-- Flow 1:

Average throughput: 82.33 Mbit/s

95th percentile per-packet one-way delay: 4.171 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

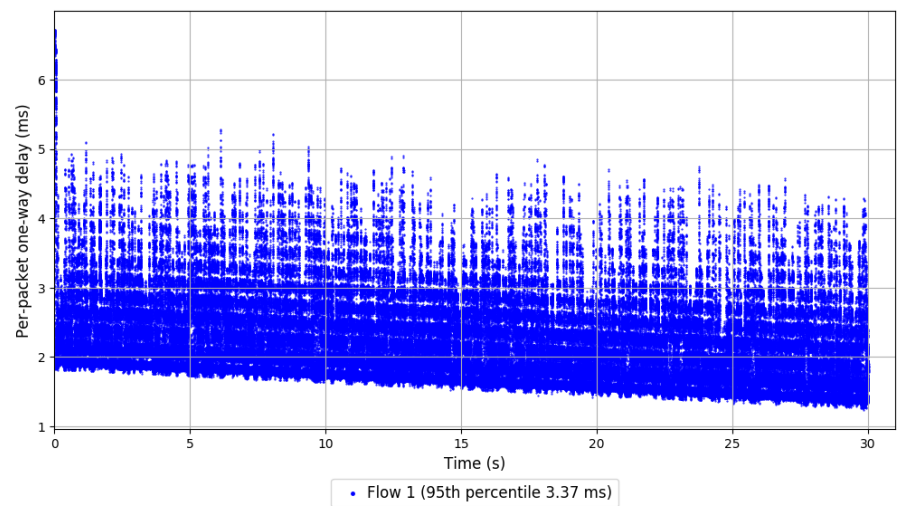
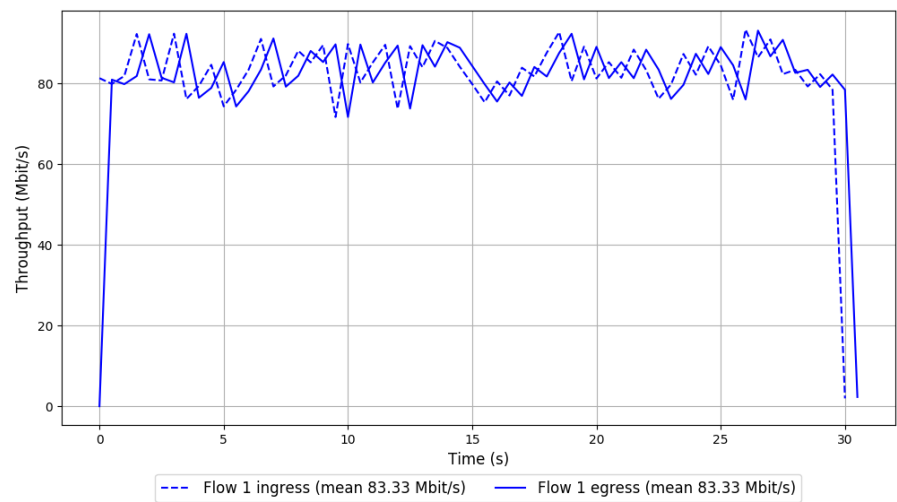


Run 3: Statistics of Copa

Start at: 2018-07-17 09:30:06
End at: 2018-07-17 09:30:36
Local clock offset: 1.495 ms
Remote clock offset: -2.506 ms

Below is generated by plot.py at 2018-07-17 12:08:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 3.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 3.372 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

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

End at: 2018-07-17 09:49:37

Local clock offset: -7.619 ms

Remote clock offset: -0.64 ms

Below is generated by plot.py at 2018-07-17 12:08:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.13 Mbit/s

95th percentile per-packet one-way delay: 3.862 ms

Loss rate: 0.00%

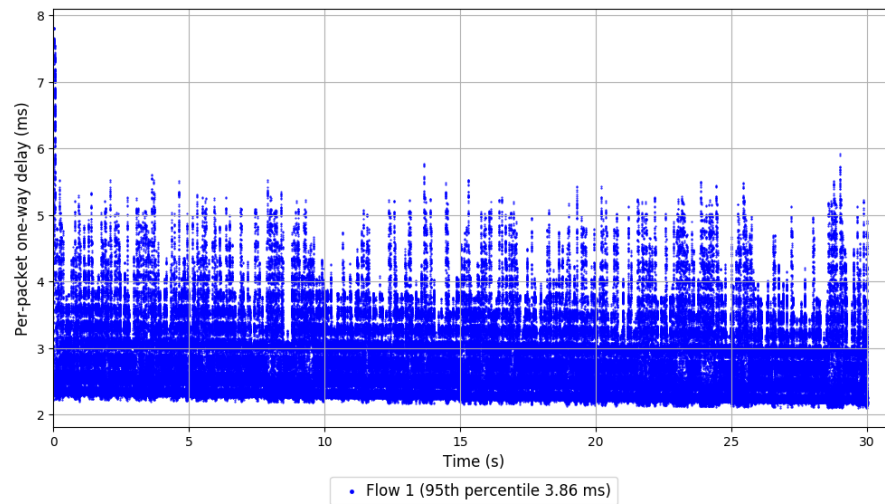
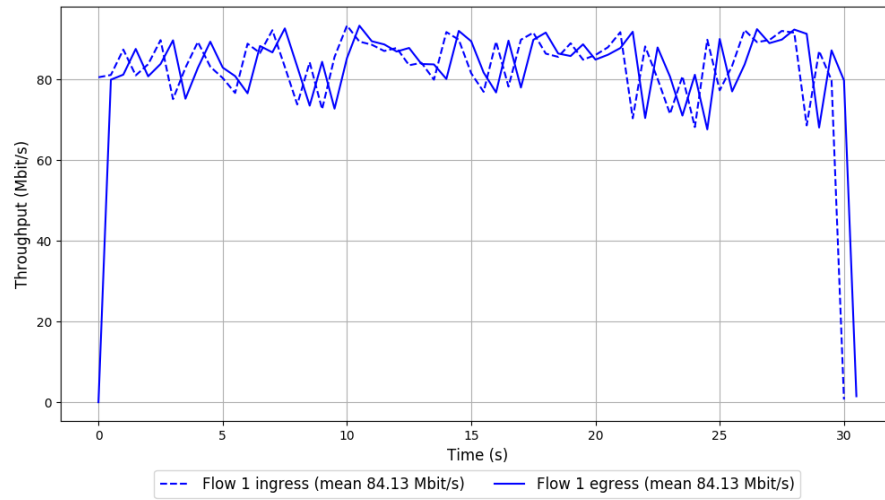
-- Flow 1:

Average throughput: 84.13 Mbit/s

95th percentile per-packet one-way delay: 3.862 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

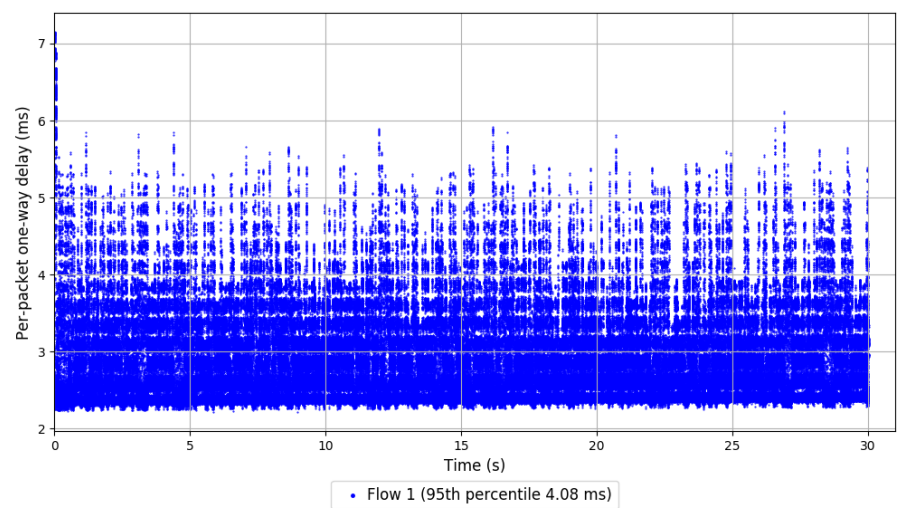
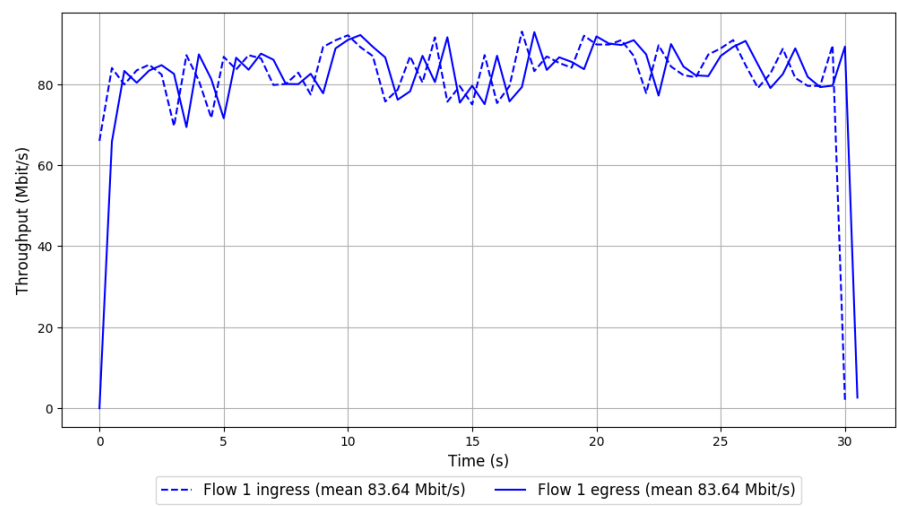


Run 5: Statistics of Copa

Start at: 2018-07-17 10:08:09
End at: 2018-07-17 10:08:39
Local clock offset: -7.468 ms
Remote clock offset: -4.912 ms

Below is generated by plot.py at 2018-07-17 12:08:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 4.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 4.079 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

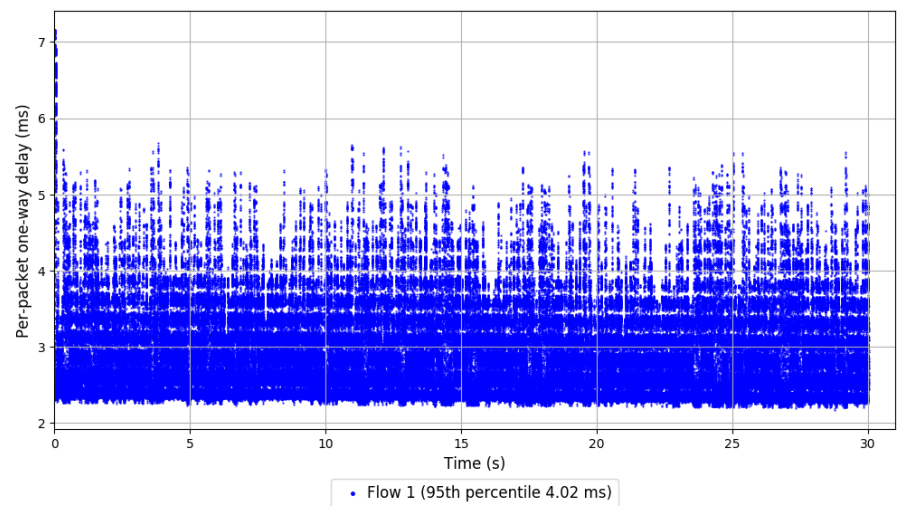
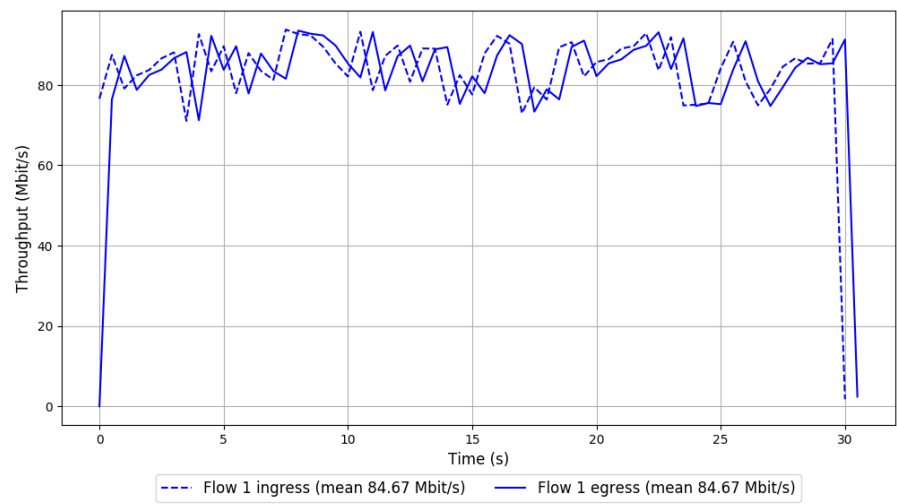


Run 6: Statistics of Copa

Start at: 2018-07-17 10:27:10
End at: 2018-07-17 10:27:40
Local clock offset: -7.802 ms
Remote clock offset: -4.939 ms

Below is generated by plot.py at 2018-07-17 12:08:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 4.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 4.016 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

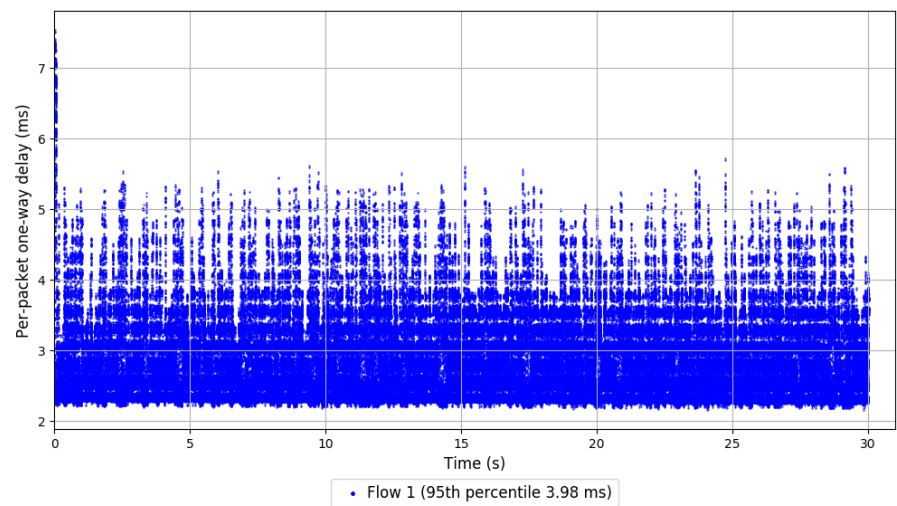
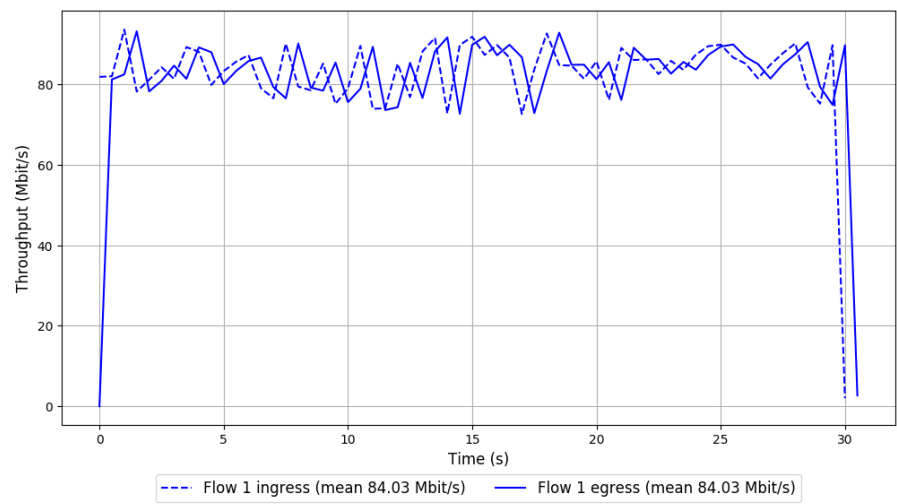


Run 7: Statistics of Copa

Start at: 2018-07-17 10:46:12
End at: 2018-07-17 10:46:42
Local clock offset: -6.874 ms
Remote clock offset: -2.353 ms

Below is generated by plot.py at 2018-07-17 12:09:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 3.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 3.975 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

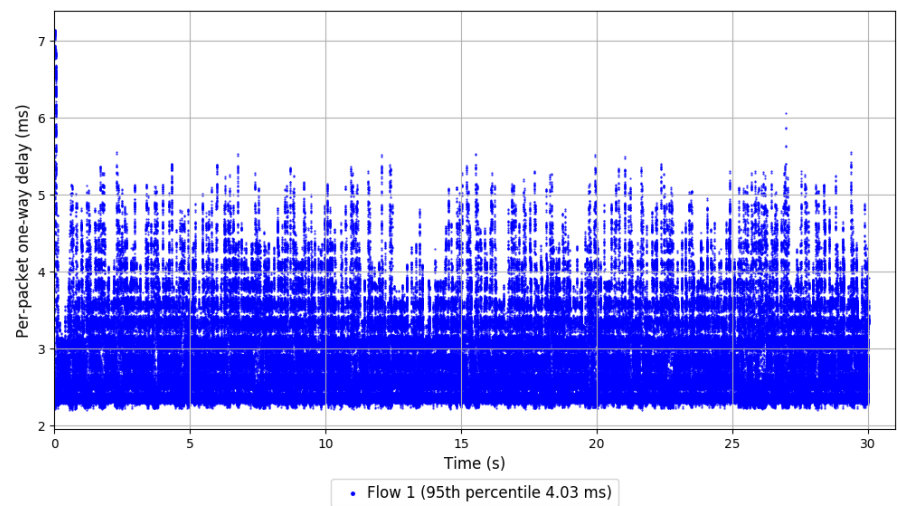
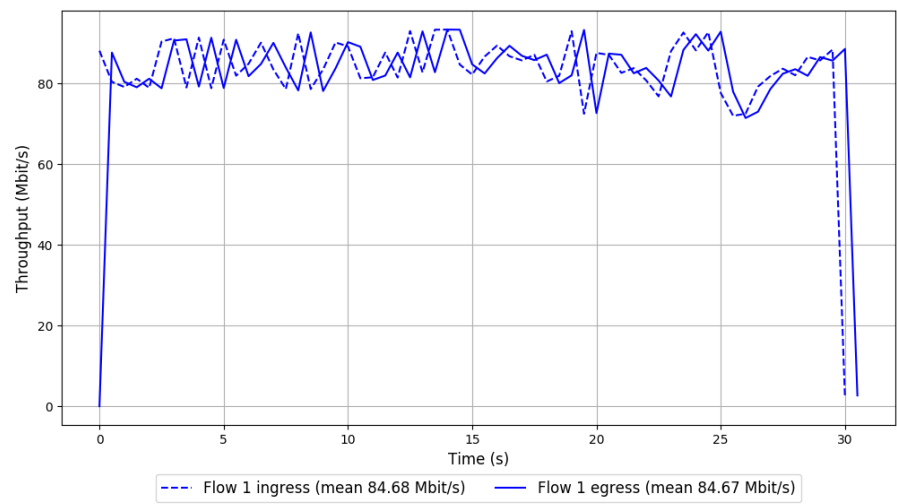


Run 8: Statistics of Copa

Start at: 2018-07-17 11:05:19
End at: 2018-07-17 11:05:49
Local clock offset: -6.863 ms
Remote clock offset: -1.955 ms

Below is generated by plot.py at 2018-07-17 12:09:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 4.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 4.031 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

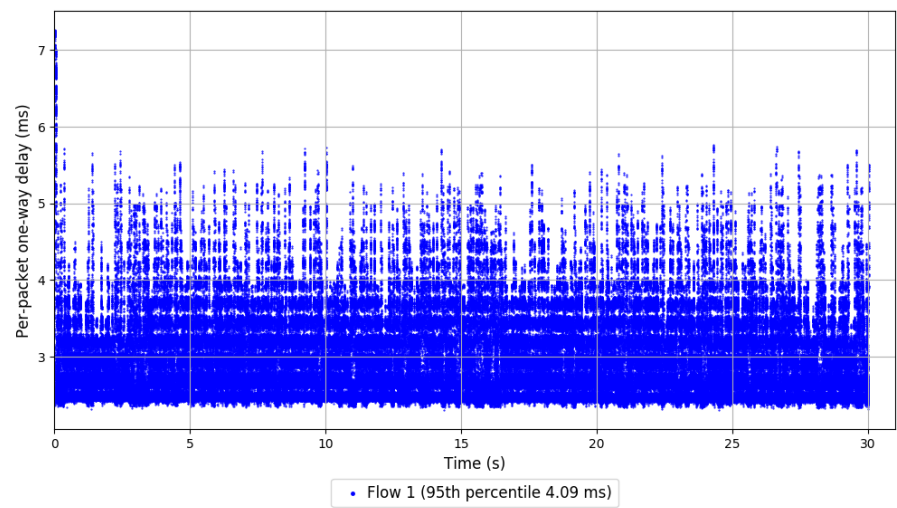
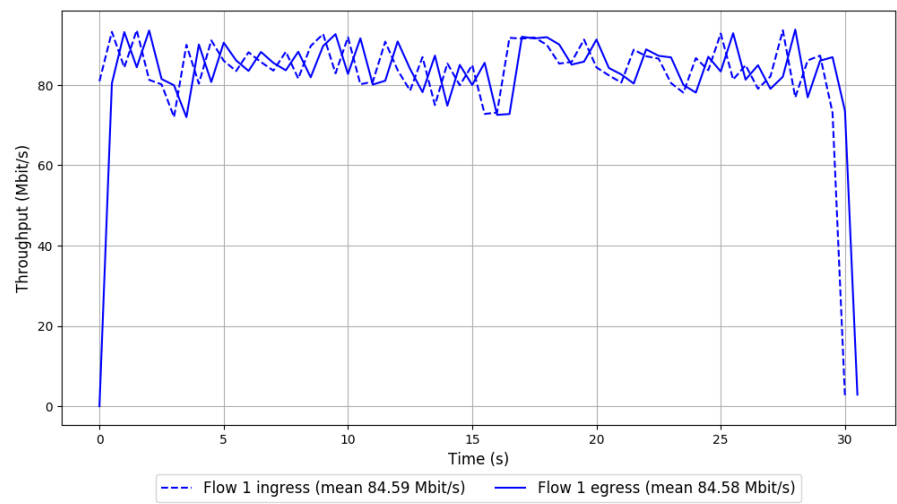


Run 9: Statistics of Copa

Start at: 2018-07-17 11:24:20
End at: 2018-07-17 11:24:50
Local clock offset: -7.108 ms
Remote clock offset: -1.587 ms

Below is generated by plot.py at 2018-07-17 12:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

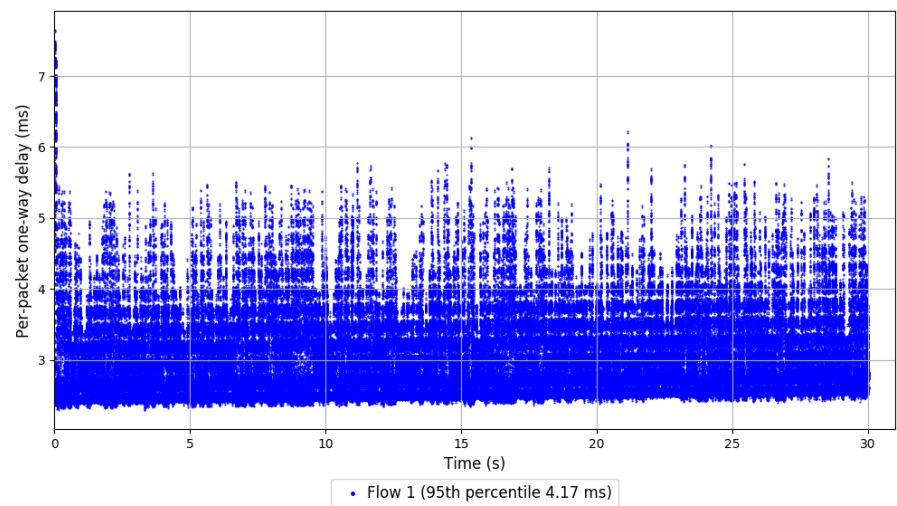
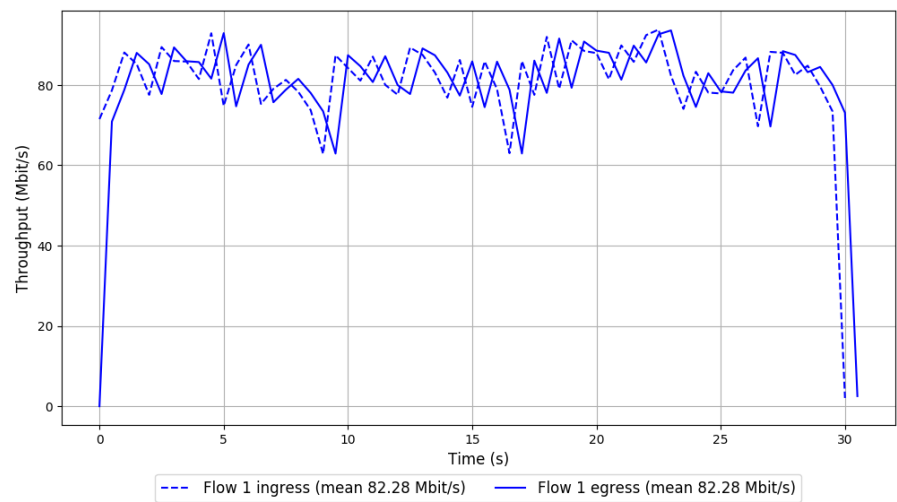


Run 10: Statistics of Copa

Start at: 2018-07-17 11:43:22
End at: 2018-07-17 11:43:52
Local clock offset: -6.235 ms
Remote clock offset: -5.964 ms

Below is generated by plot.py at 2018-07-17 12:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 4.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 4.174 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

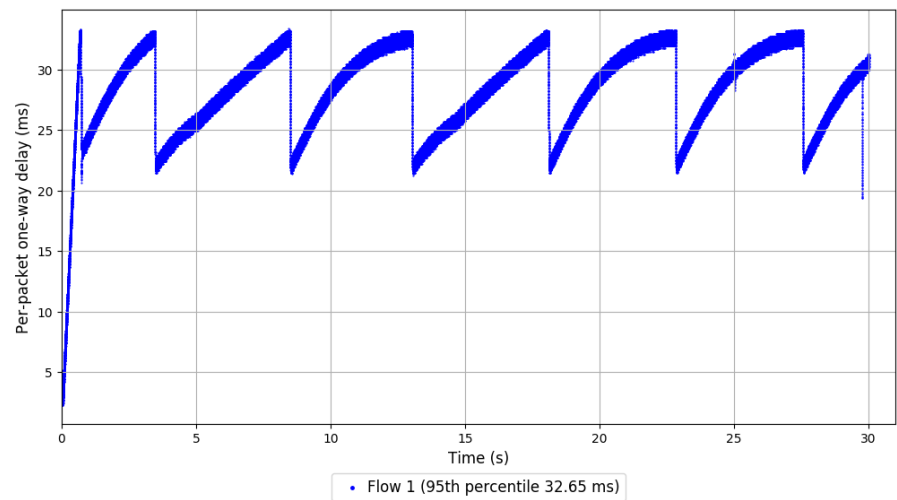
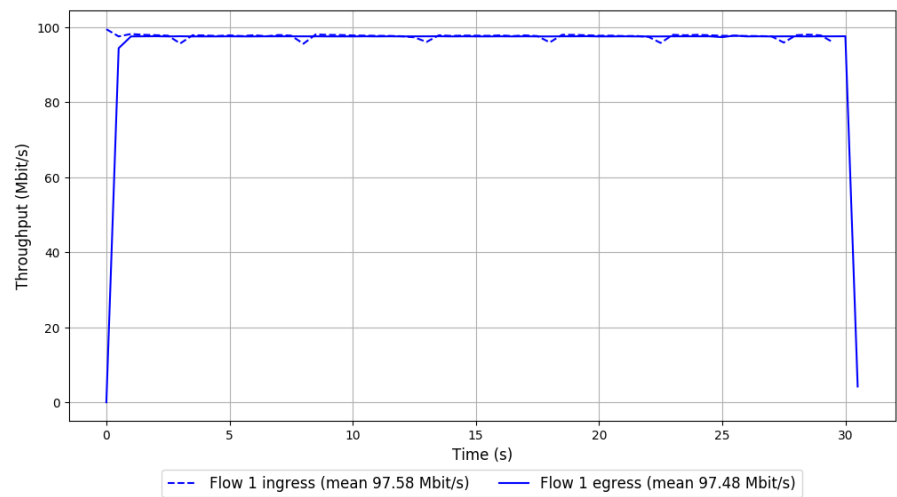


Run 1: Statistics of TCP Cubic

Start at: 2018-07-17 09:07:41
End at: 2018-07-17 09:08:11
Local clock offset: 4.825 ms
Remote clock offset: -6.719 ms

Below is generated by plot.py at 2018-07-17 12:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.650 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.650 ms
Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

End at: 2018-07-17 09:27:14

Local clock offset: 5.634 ms

Remote clock offset: -3.261 ms

Below is generated by plot.py at 2018-07-17 12:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 31.523 ms

Loss rate: 0.01%

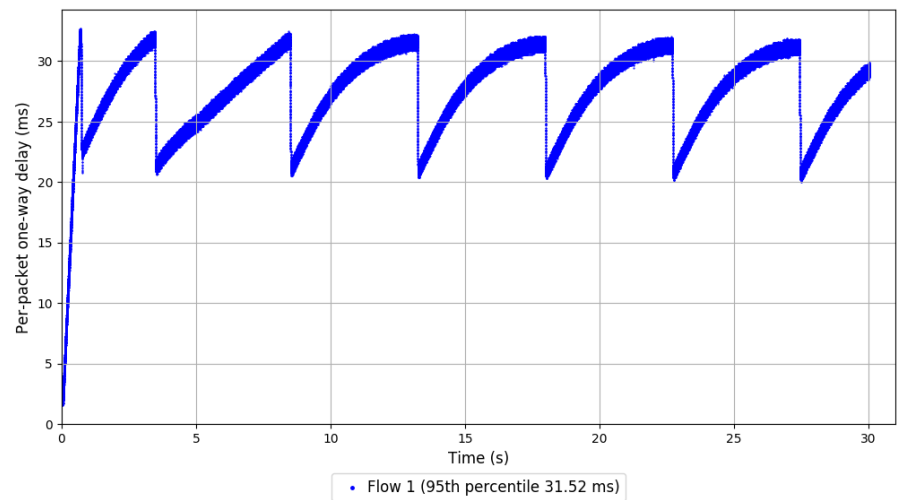
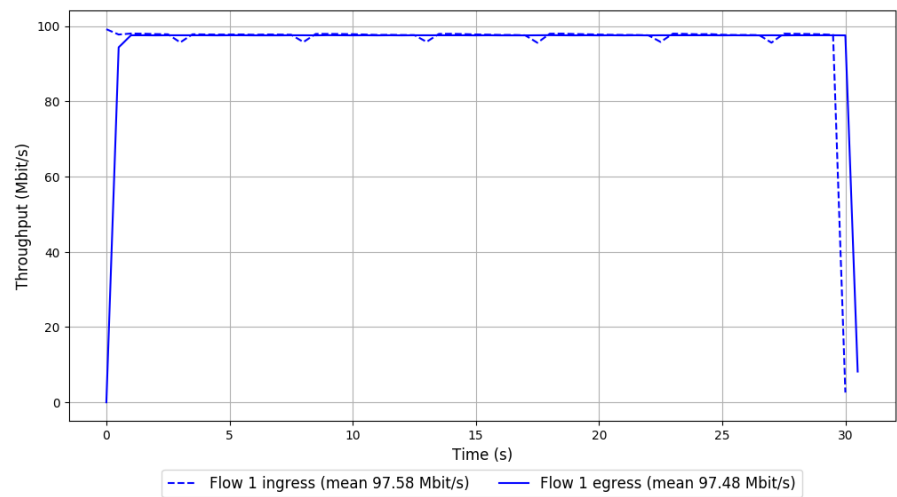
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 31.523 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

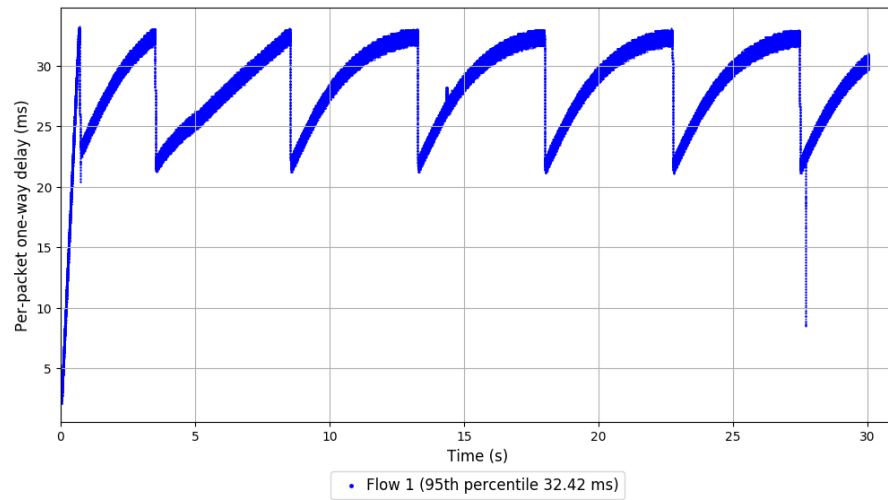
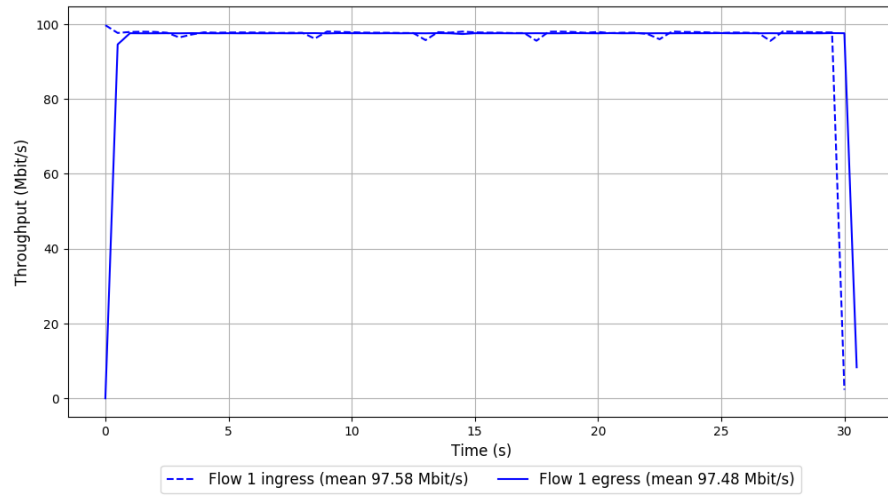


Run 3: Statistics of TCP Cubic

Start at: 2018-07-17 09:45:45
End at: 2018-07-17 09:46:15
Local clock offset: -6.805 ms
Remote clock offset: -0.957 ms

Below is generated by plot.py at 2018-07-17 12:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.421 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.421 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link

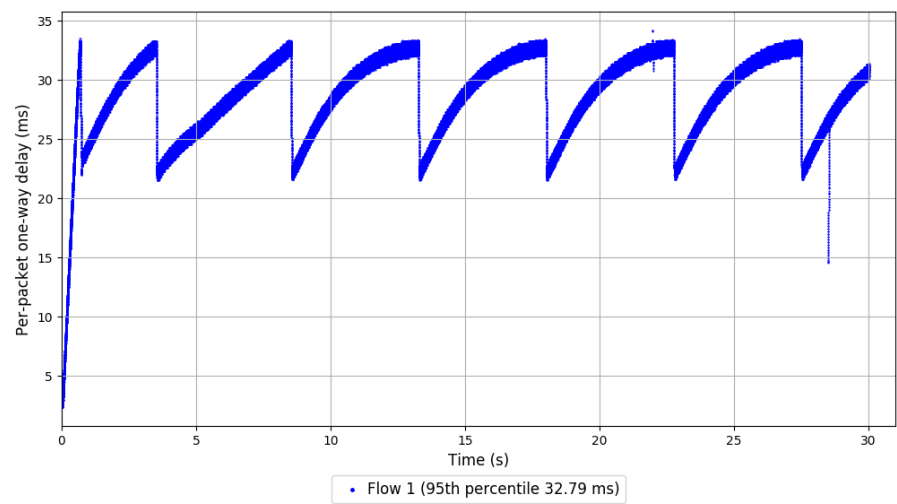
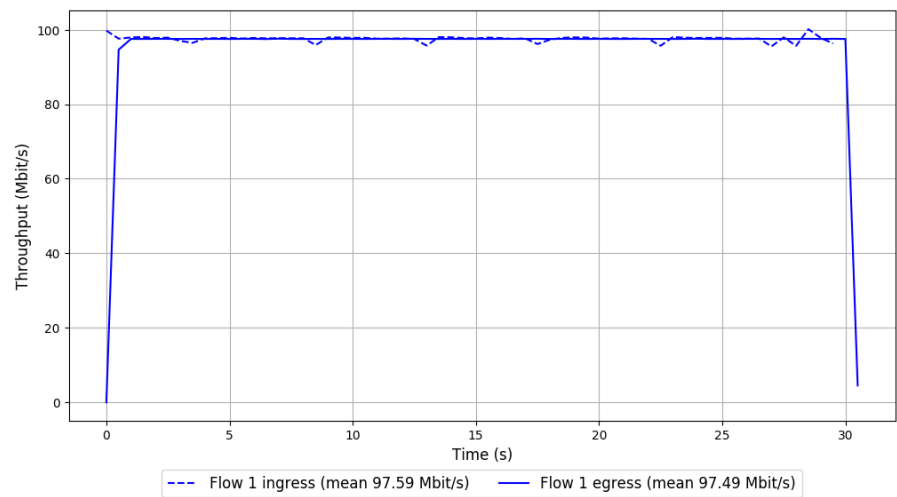


Run 4: Statistics of TCP Cubic

Start at: 2018-07-17 10:04:47
End at: 2018-07-17 10:05:17
Local clock offset: -7.541 ms
Remote clock offset: -4.521 ms

Below is generated by plot.py at 2018-07-17 12:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.790 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.790 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

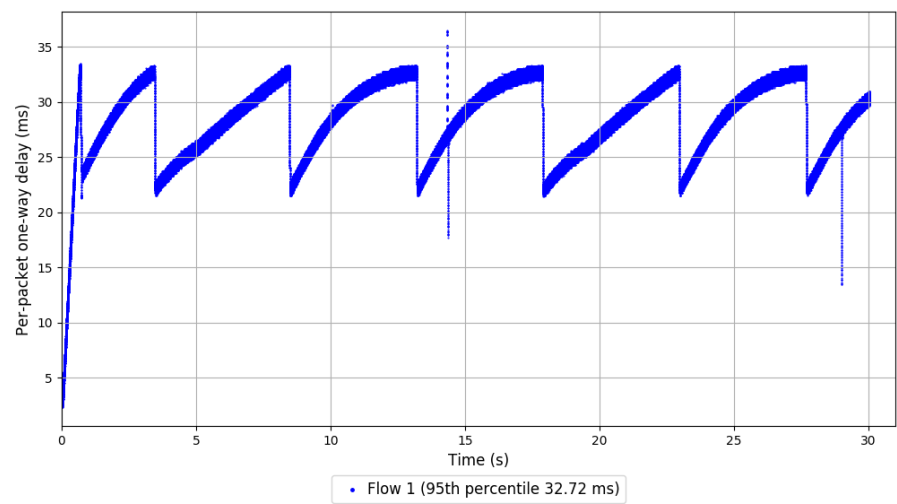
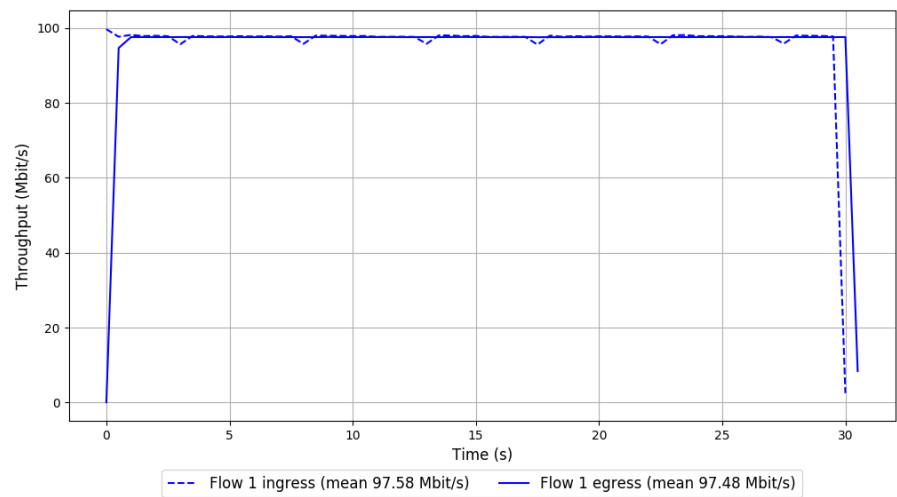


Run 5: Statistics of TCP Cubic

Start at: 2018-07-17 10:23:48
End at: 2018-07-17 10:24:18
Local clock offset: -8.014 ms
Remote clock offset: -5.576 ms

Below is generated by plot.py at 2018-07-17 12:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.718 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.718 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

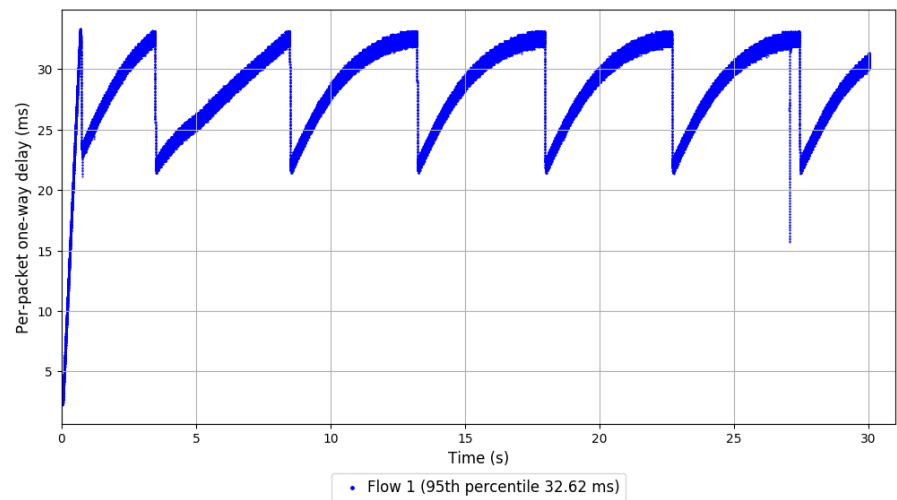
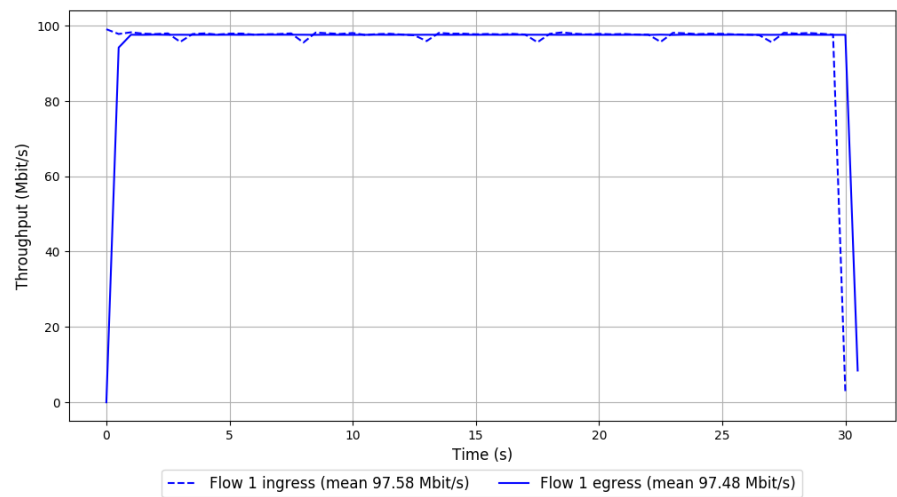


Run 6: Statistics of TCP Cubic

Start at: 2018-07-17 10:42:49
End at: 2018-07-17 10:43:19
Local clock offset: -6.842 ms
Remote clock offset: -2.557 ms

Below is generated by plot.py at 2018-07-17 12:10:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.615 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.615 ms
Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link

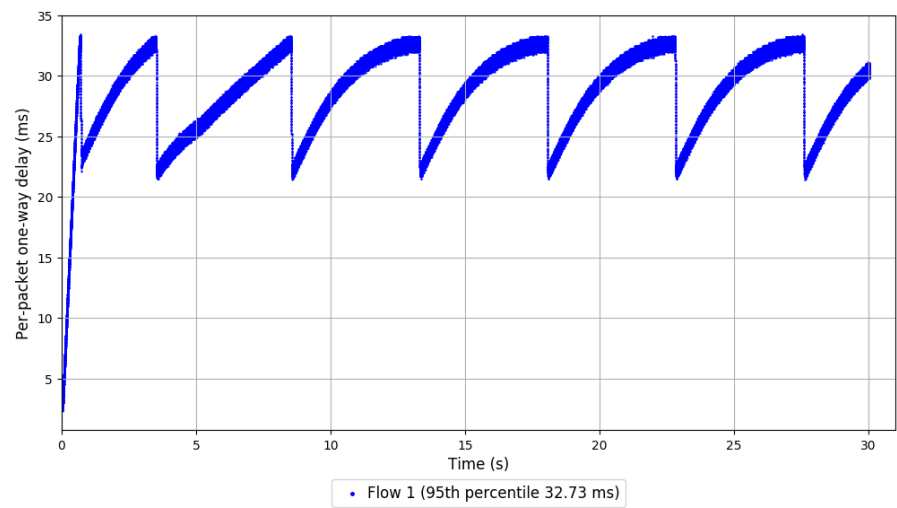
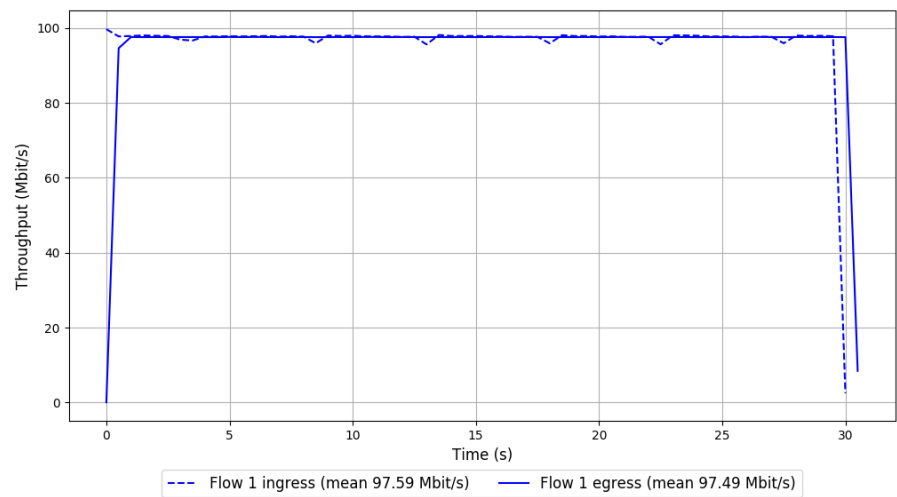


Run 7: Statistics of TCP Cubic

Start at: 2018-07-17 11:01:56
End at: 2018-07-17 11:02:26
Local clock offset: -6.823 ms
Remote clock offset: -1.796 ms

Below is generated by plot.py at 2018-07-17 12:10:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.731 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.731 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

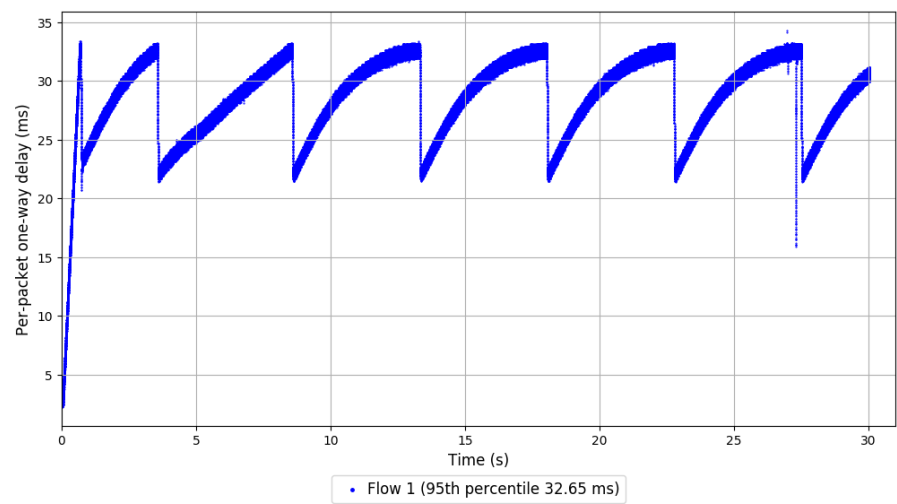
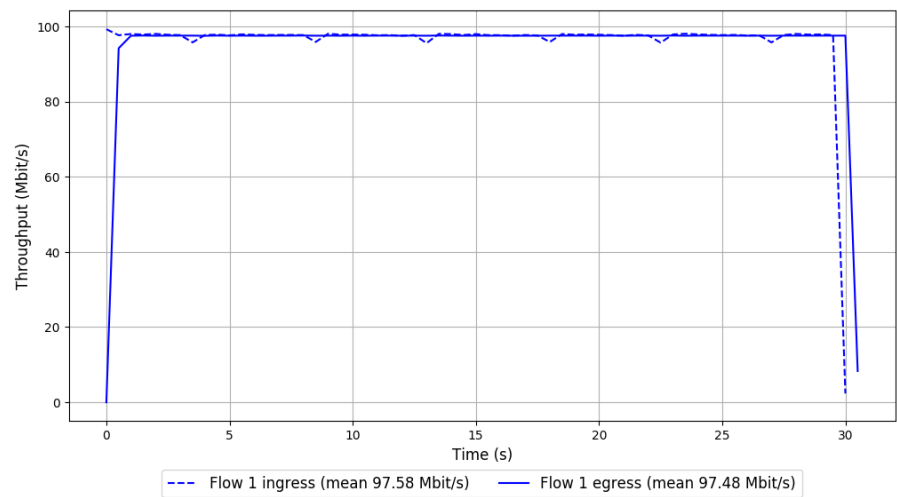


Run 8: Statistics of TCP Cubic

Start at: 2018-07-17 11:20:58
End at: 2018-07-17 11:21:28
Local clock offset: -7.035 ms
Remote clock offset: -1.761 ms

Below is generated by plot.py at 2018-07-17 12:10:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.651 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.651 ms
Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link

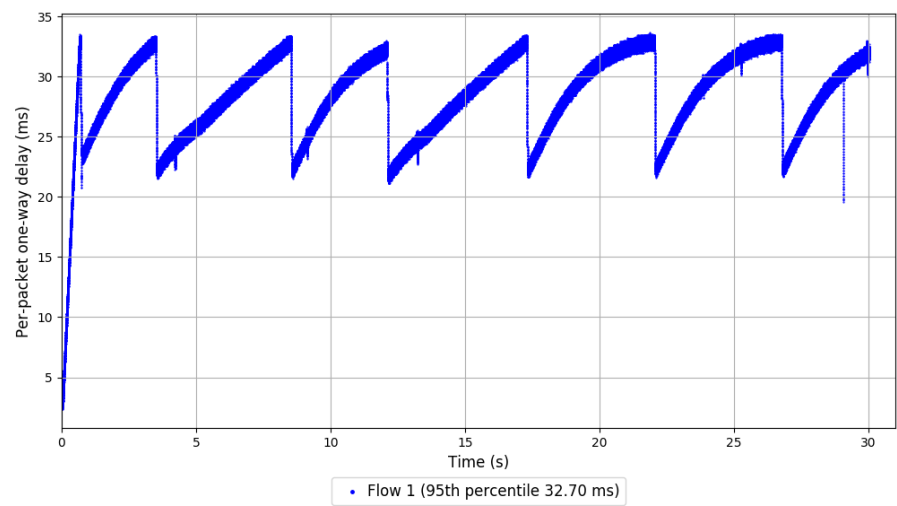
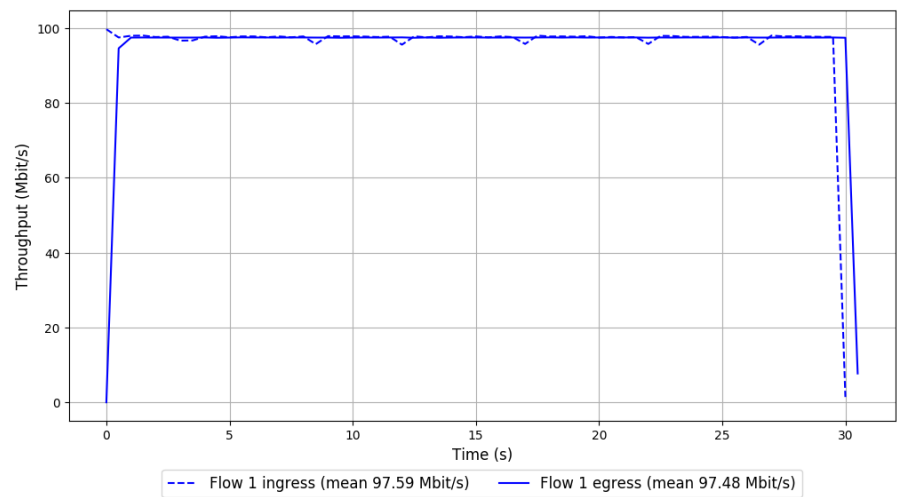


Run 9: Statistics of TCP Cubic

Start at: 2018-07-17 11:40:00
End at: 2018-07-17 11:40:30
Local clock offset: -6.261 ms
Remote clock offset: -4.918 ms

Below is generated by plot.py at 2018-07-17 12:10:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.699 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.699 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link

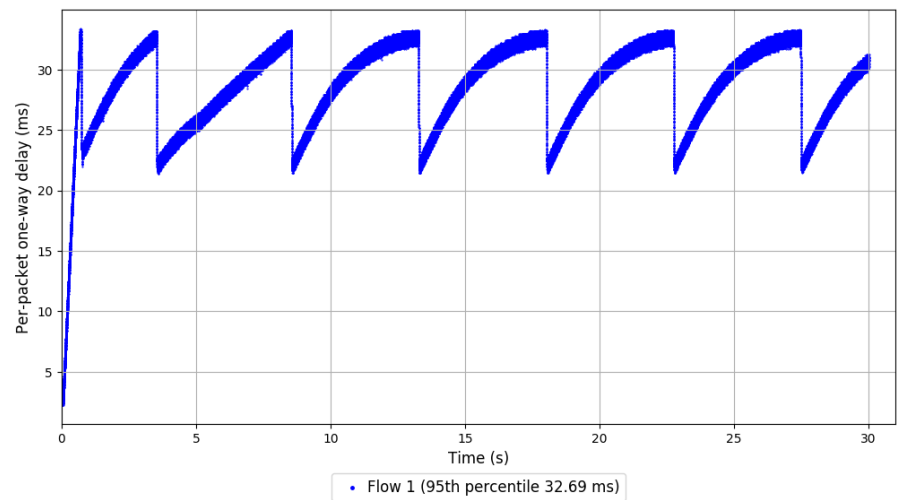
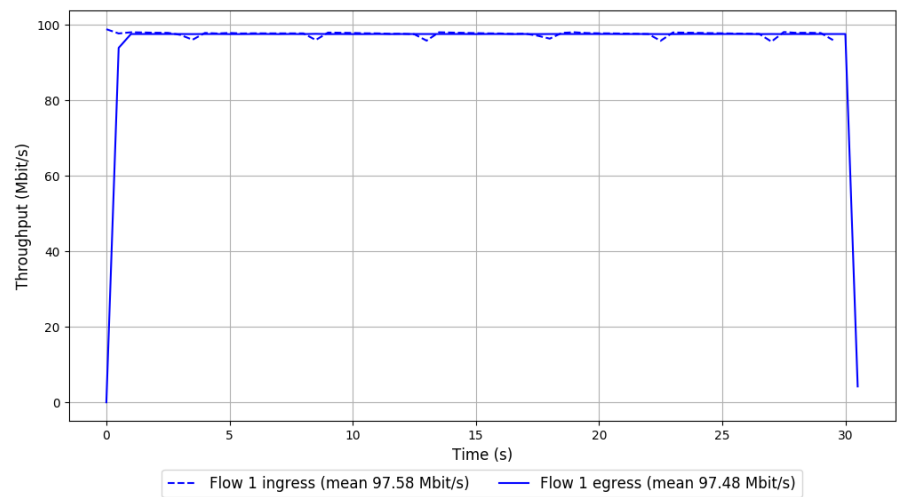


Run 10: Statistics of TCP Cubic

Start at: 2018-07-17 11:59:01
End at: 2018-07-17 11:59:31
Local clock offset: -6.082 ms
Remote clock offset: -8.357 ms

Below is generated by plot.py at 2018-07-17 12:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.685 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.685 ms
Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

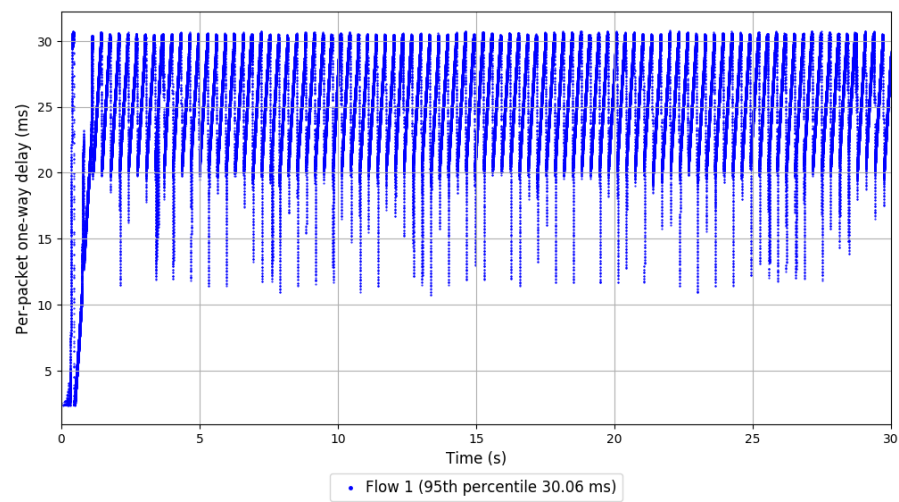
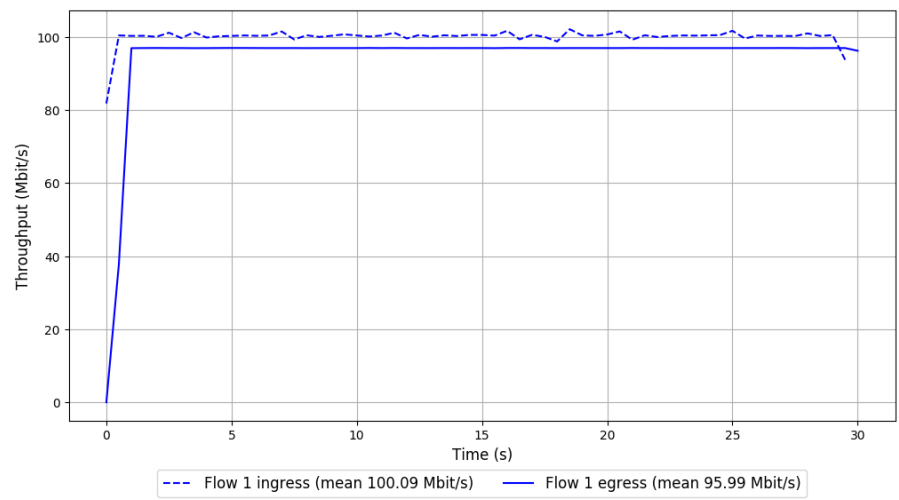


Run 1: Statistics of FillP

Start at: 2018-07-17 09:03:14
End at: 2018-07-17 09:03:44
Local clock offset: 4.132 ms
Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-07-17 12:11:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 30.061 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 30.061 ms
Loss rate: 4.01%

Run 1: Report of FillP — Data Link

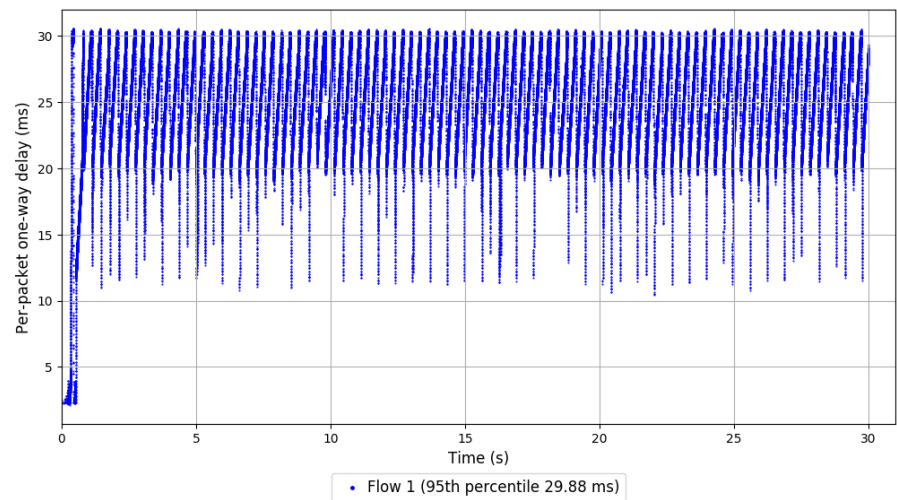
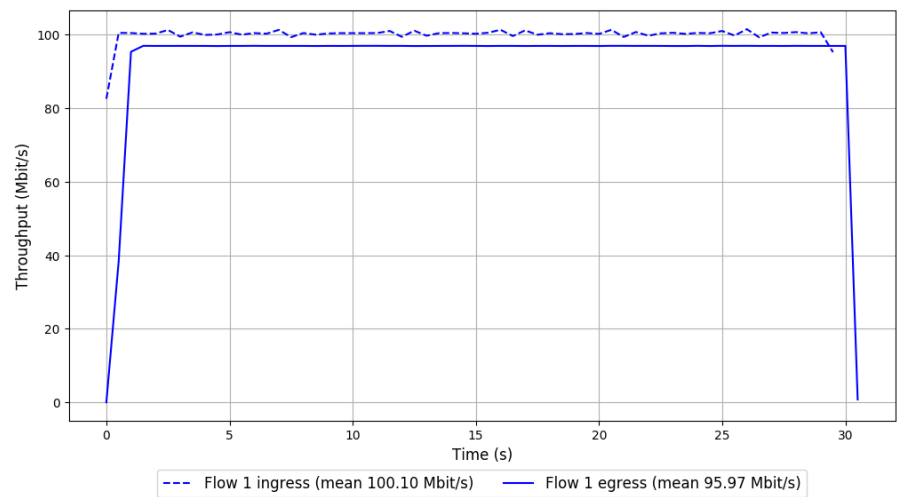


Run 2: Statistics of FillP

Start at: 2018-07-17 09:22:16
End at: 2018-07-17 09:22:46
Local clock offset: 7.066 ms
Remote clock offset: -4.357 ms

Below is generated by plot.py at 2018-07-17 12:11:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 29.875 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 29.875 ms
Loss rate: 4.03%

Run 2: Report of FillP — Data Link

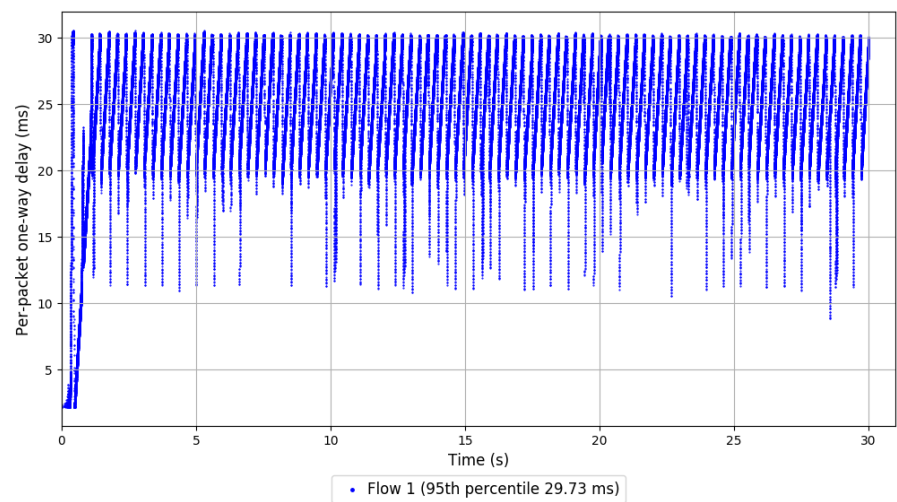
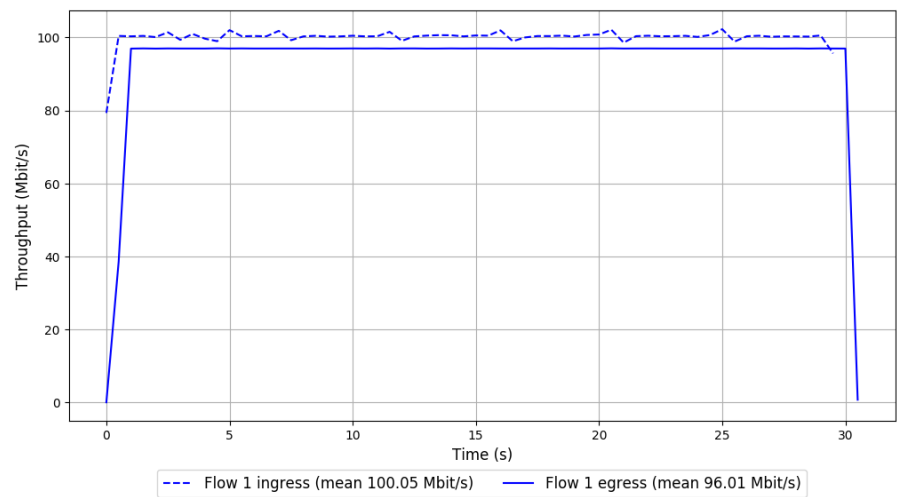


Run 3: Statistics of FillP

Start at: 2018-07-17 09:41:18
End at: 2018-07-17 09:41:48
Local clock offset: -5.56 ms
Remote clock offset: -1.291 ms

Below is generated by plot.py at 2018-07-17 12:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.733 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.733 ms
Loss rate: 3.95%

Run 3: Report of FillP — Data Link

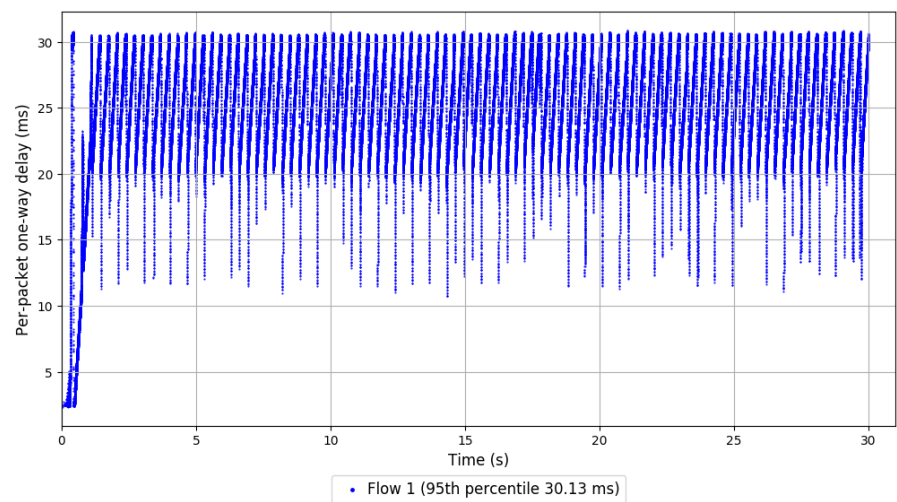
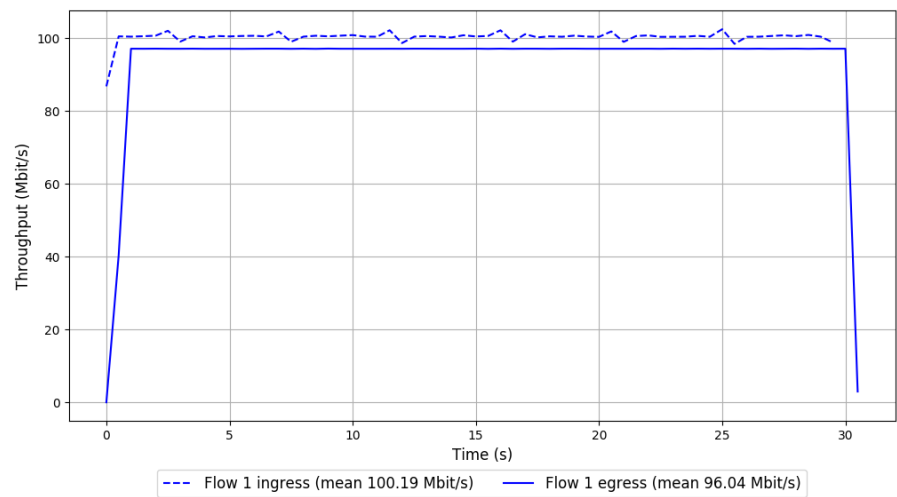


Run 4: Statistics of FillP

Start at: 2018-07-17 10:00:19
End at: 2018-07-17 10:00:49
Local clock offset: -7.87 ms
Remote clock offset: -3.824 ms

Below is generated by plot.py at 2018-07-17 12:12:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 30.133 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 30.133 ms
Loss rate: 4.05%

Run 4: Report of FillP — Data Link

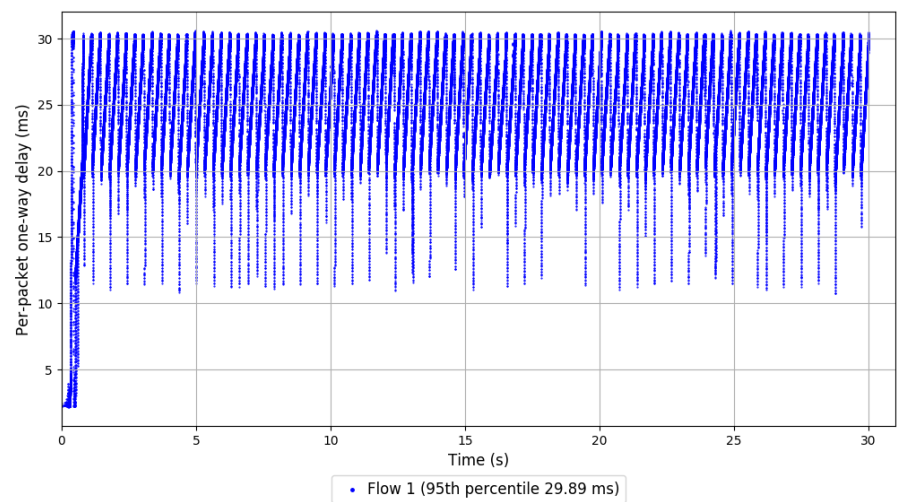
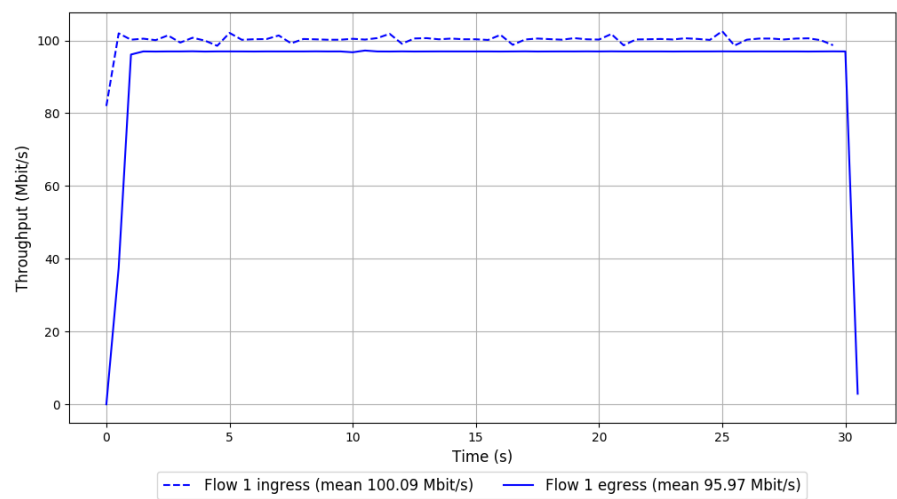


Run 5: Statistics of FillP

Start at: 2018-07-17 10:19:20
End at: 2018-07-17 10:19:50
Local clock offset: -7.736 ms
Remote clock offset: -5.509 ms

Below is generated by plot.py at 2018-07-17 12:12:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 29.886 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 29.886 ms
Loss rate: 4.02%

Run 5: Report of FillP — Data Link

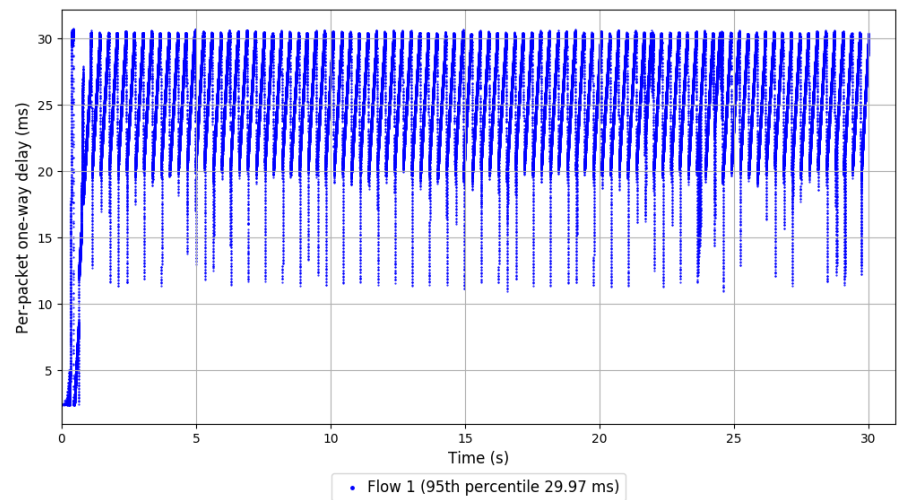
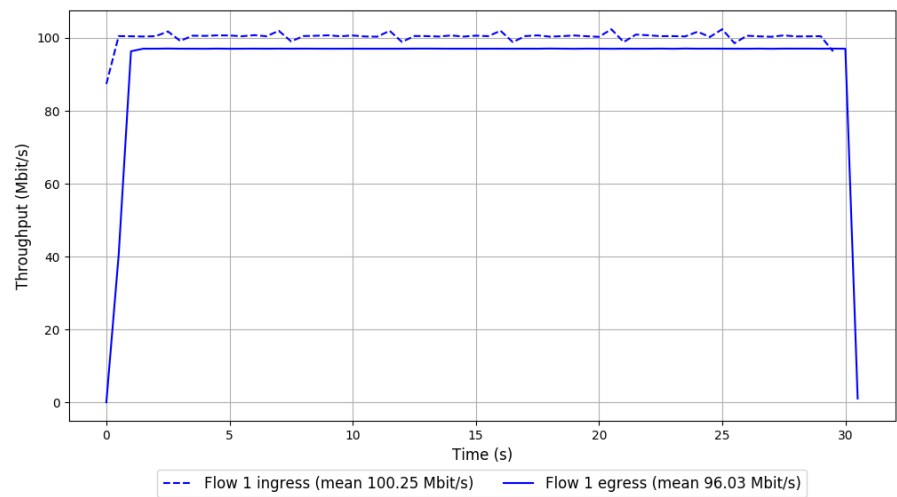


Run 6: Statistics of FillP

Start at: 2018-07-17 10:38:22
End at: 2018-07-17 10:38:52
Local clock offset: -6.904 ms
Remote clock offset: -2.863 ms

Below is generated by plot.py at 2018-07-17 12:12:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 29.973 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 29.973 ms
Loss rate: 4.12%

Run 6: Report of FillP — Data Link

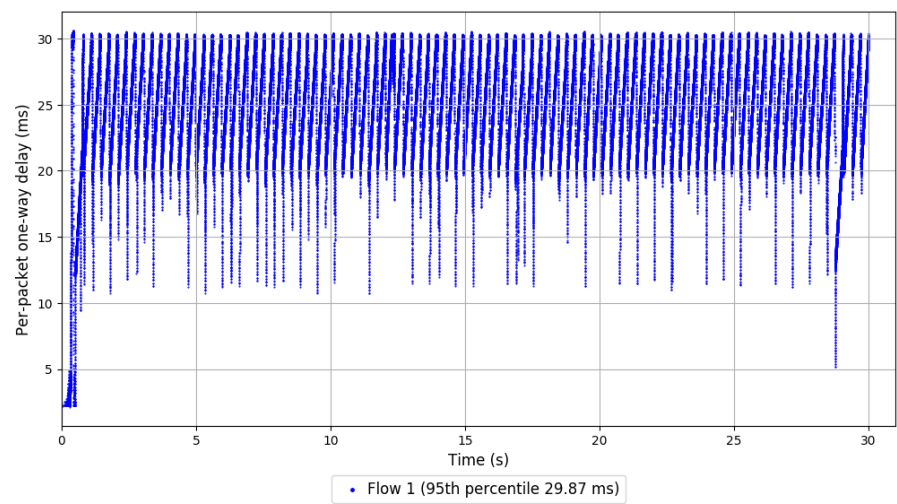
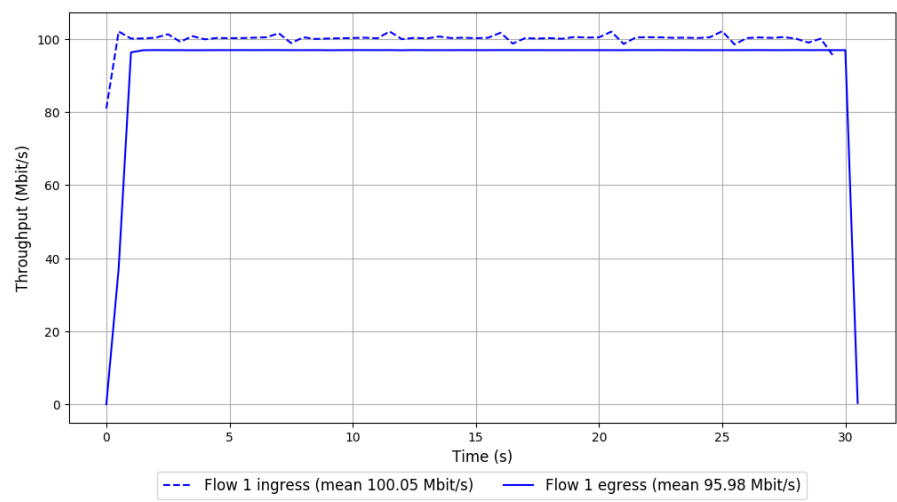


Run 7: Statistics of FillP

Start at: 2018-07-17 10:57:29
End at: 2018-07-17 10:57:59
Local clock offset: -6.96 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2018-07-17 12:12:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.868 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.868 ms
Loss rate: 3.98%

Run 7: Report of FillP — Data Link

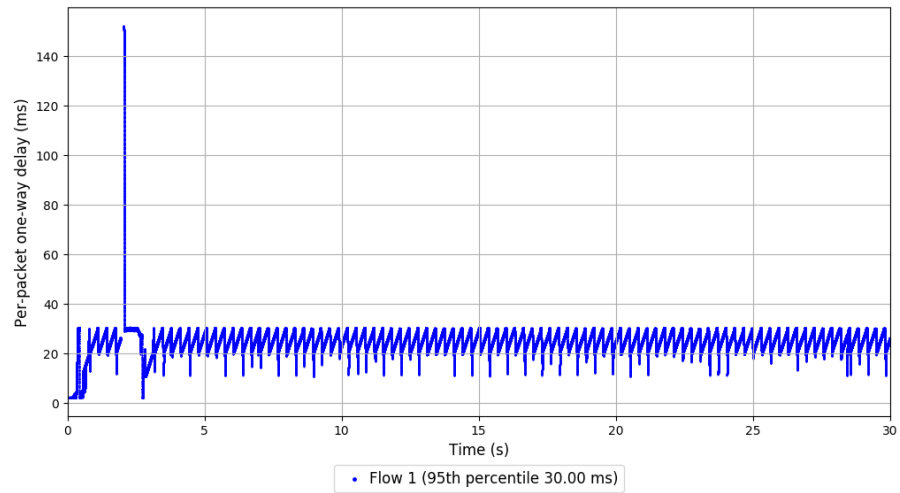
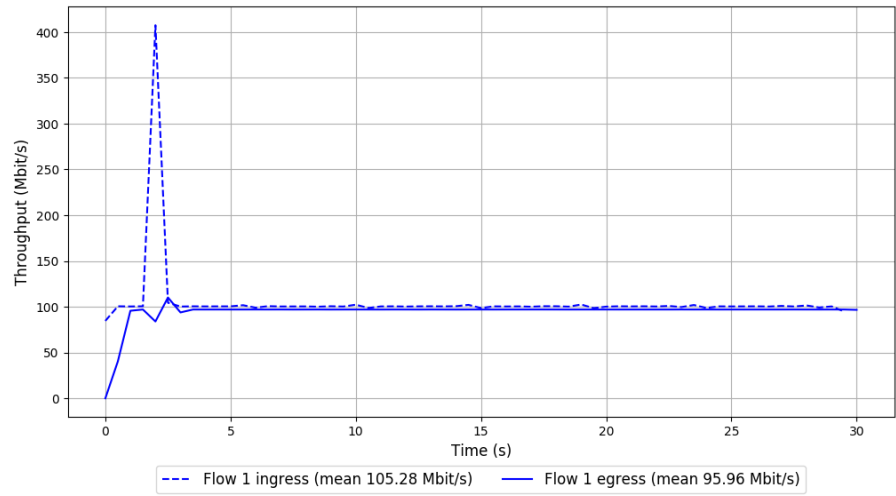


Run 8: Statistics of FillP

Start at: 2018-07-17 11:16:31
End at: 2018-07-17 11:17:01
Local clock offset: -6.887 ms
Remote clock offset: -1.829 ms

Below is generated by plot.py at 2018-07-17 12:12:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 29.998 ms
Loss rate: 8.78%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 29.998 ms
Loss rate: 8.78%

Run 8: Report of FillP — Data Link

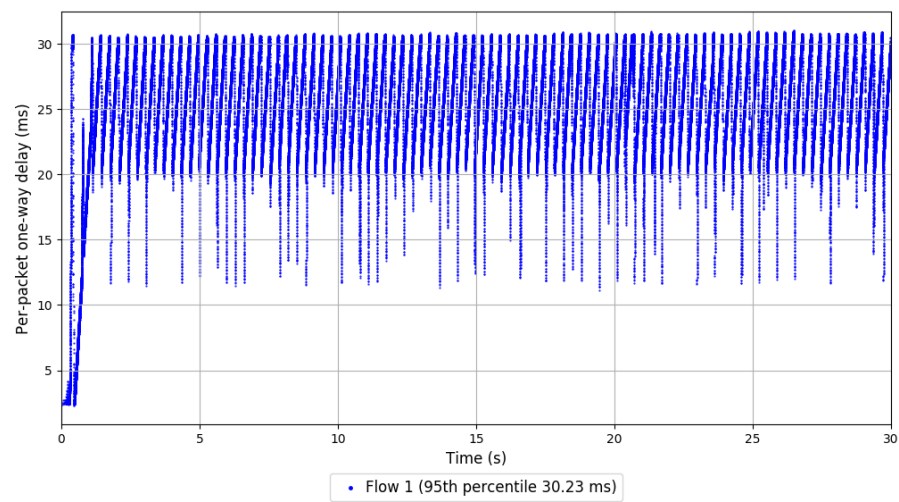
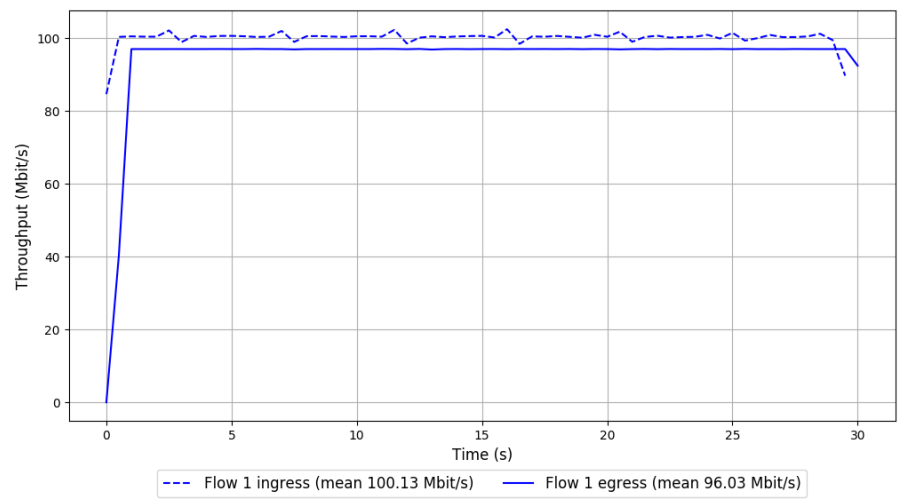


Run 9: Statistics of FillP

Start at: 2018-07-17 11:35:32
End at: 2018-07-17 11:36:02
Local clock offset: -6.388 ms
Remote clock offset: -2.912 ms

Below is generated by plot.py at 2018-07-17 12:13:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 30.231 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 30.231 ms
Loss rate: 4.00%

Run 9: Report of FillP — Data Link

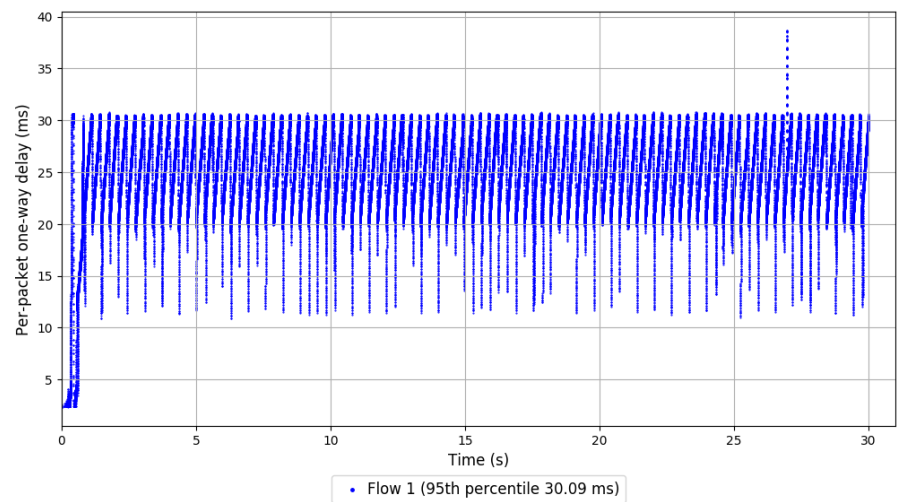
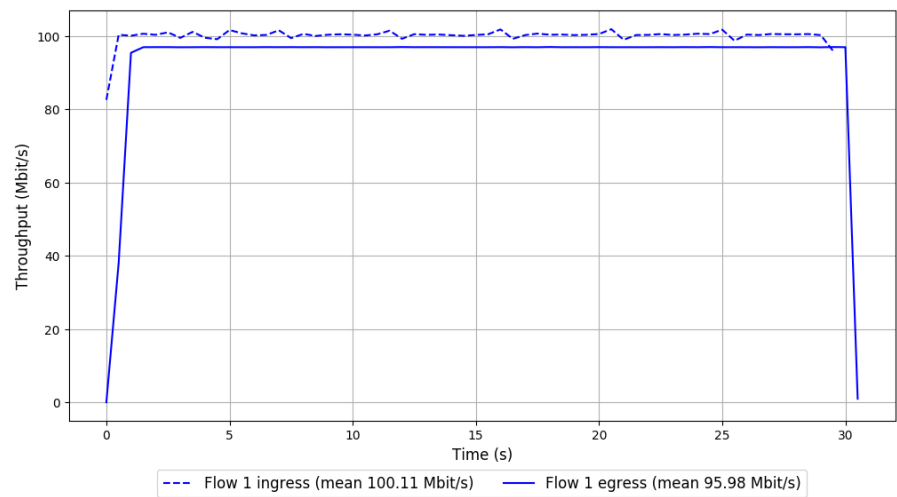


Run 10: Statistics of FillP

Start at: 2018-07-17 11:54:34
End at: 2018-07-17 11:55:04
Local clock offset: -6.252 ms
Remote clock offset: -7.843 ms

Below is generated by plot.py at 2018-07-17 12:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 30.087 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 30.087 ms
Loss rate: 4.04%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

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

End at: 2018-07-17 09:10:27

Local clock offset: 5.102 ms

Remote clock offset: -6.636 ms

Below is generated by plot.py at 2018-07-17 12:13:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 27.824 ms

Loss rate: 1.07%

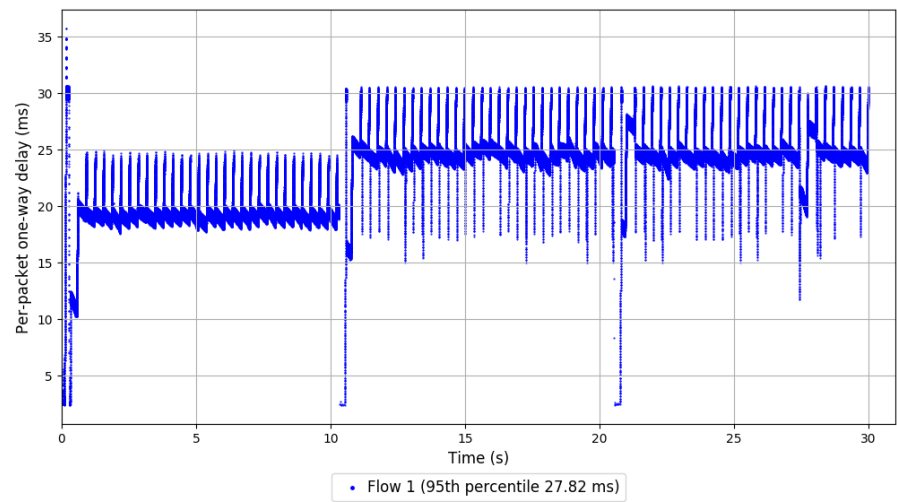
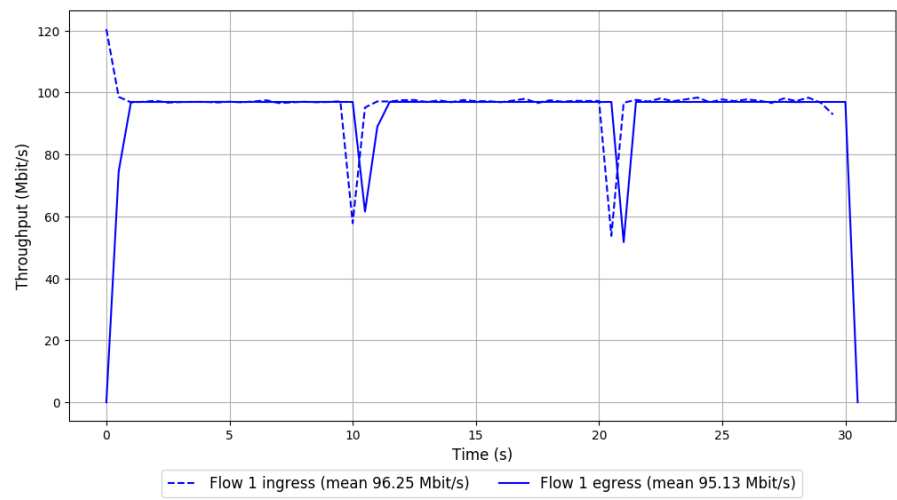
-- Flow 1:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 27.824 ms

Loss rate: 1.07%

Run 1: Report of FillP-Sheep — Data Link

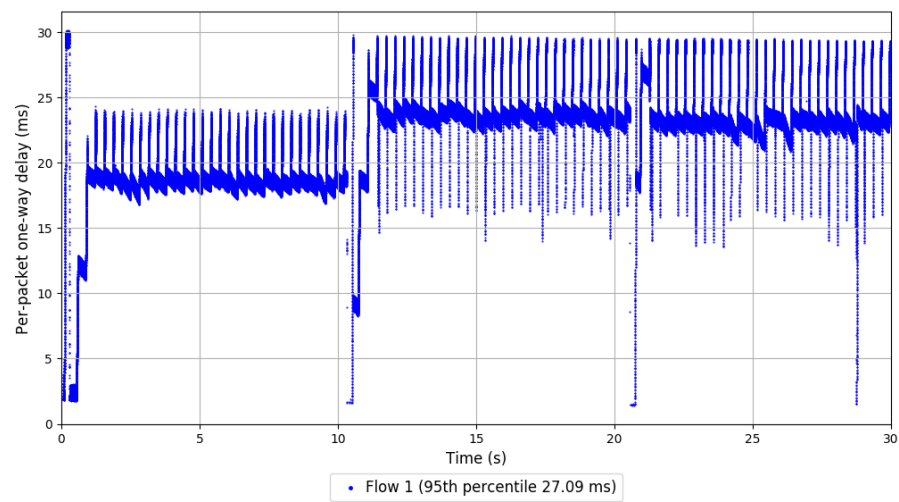
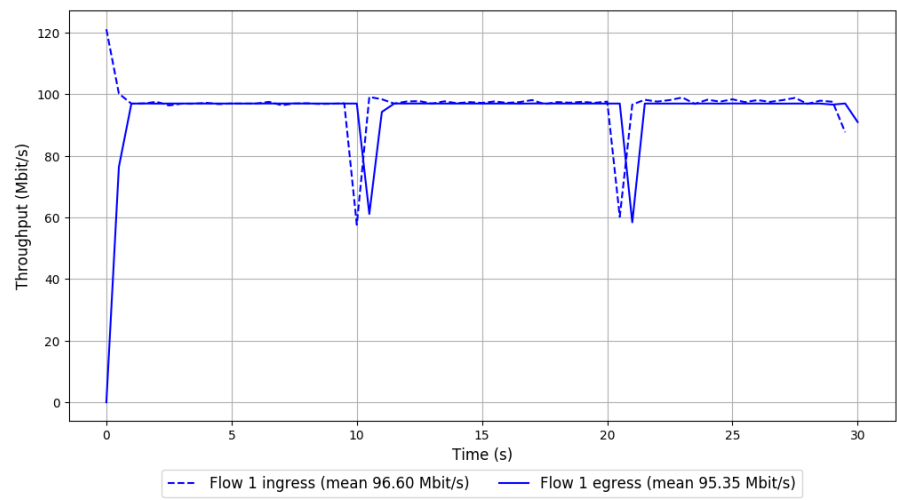


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-17 09:28:59
End at: 2018-07-17 09:29:29
Local clock offset: 2.549 ms
Remote clock offset: -2.816 ms

Below is generated by plot.py at 2018-07-17 12:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 27.087 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 27.087 ms
Loss rate: 1.23%

Run 2: Report of FillP-Sheep — Data Link

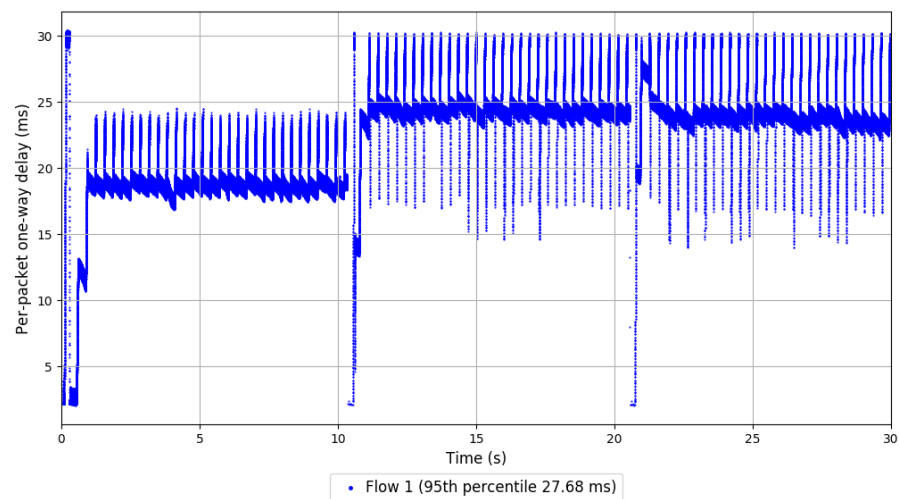
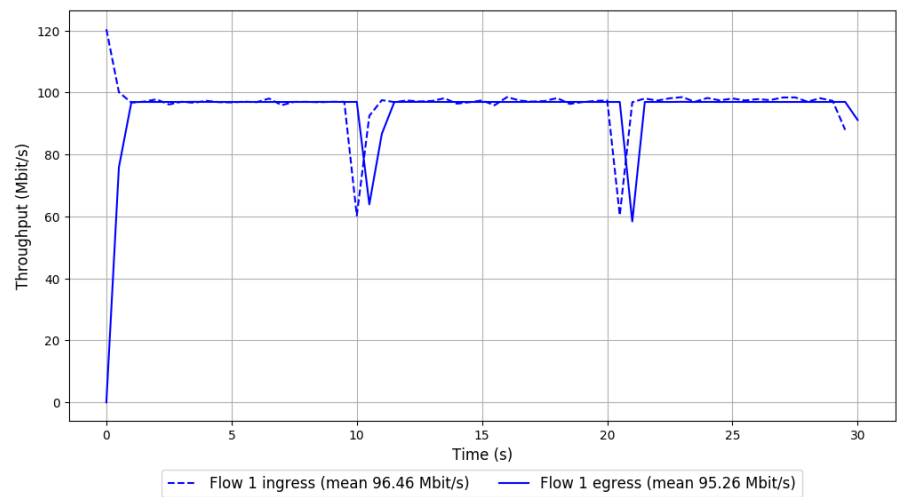


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-17 09:48:01
End at: 2018-07-17 09:48:31
Local clock offset: -7.441 ms
Remote clock offset: -0.857 ms

Below is generated by plot.py at 2018-07-17 12:13:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 27.679 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 27.679 ms
Loss rate: 1.17%

Run 3: Report of FillP-Sheep — Data Link

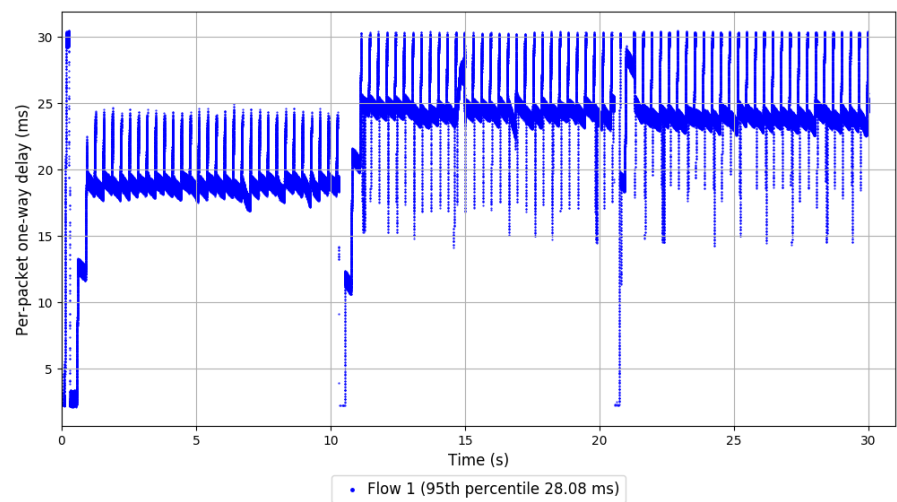
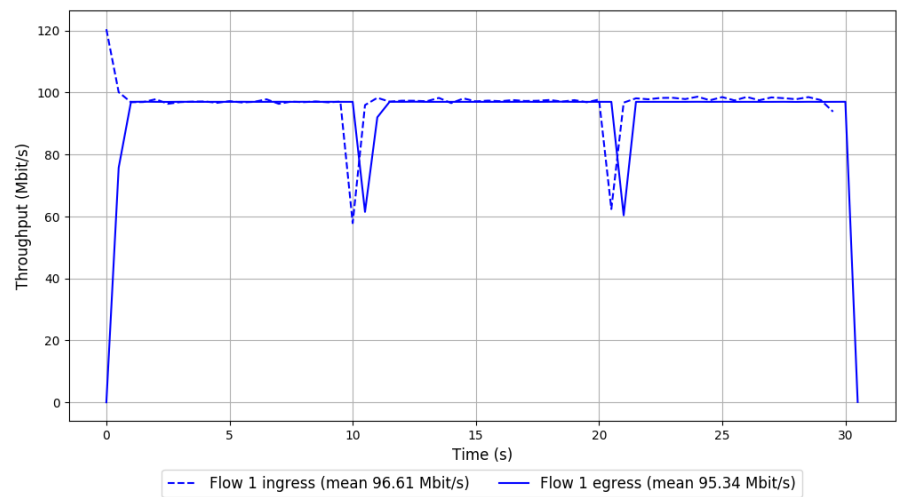


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-17 10:07:02
End at: 2018-07-17 10:07:32
Local clock offset: -7.498 ms
Remote clock offset: -4.892 ms

Below is generated by plot.py at 2018-07-17 12:13:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 28.078 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 28.078 ms
Loss rate: 1.24%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-17 10:26:04

End at: 2018-07-17 10:26:34

Local clock offset: -7.961 ms

Remote clock offset: -5.221 ms

Below is generated by plot.py at 2018-07-17 12:13:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 27.778 ms

Loss rate: 1.21%

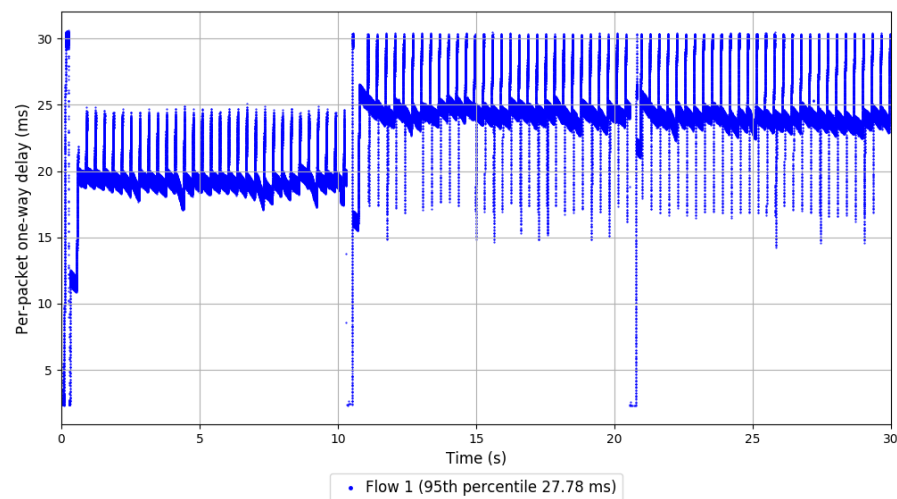
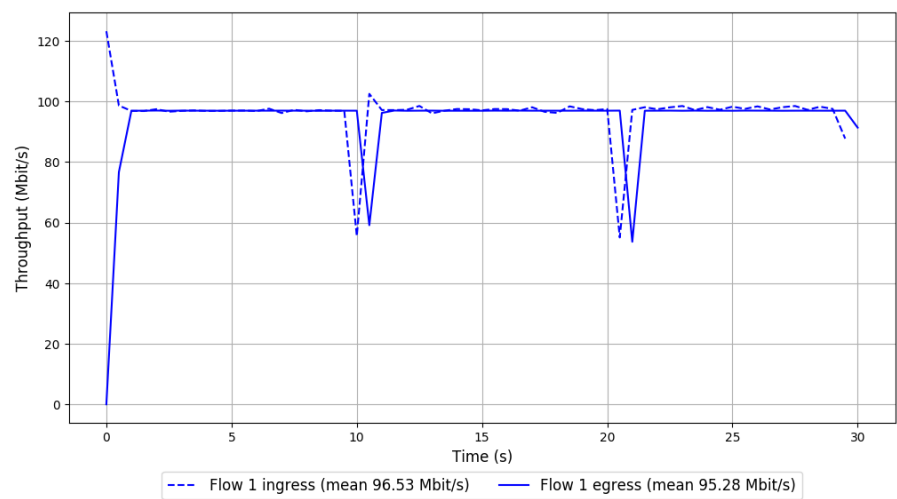
-- Flow 1:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 27.778 ms

Loss rate: 1.21%

Run 5: Report of FillP-Sheep — Data Link

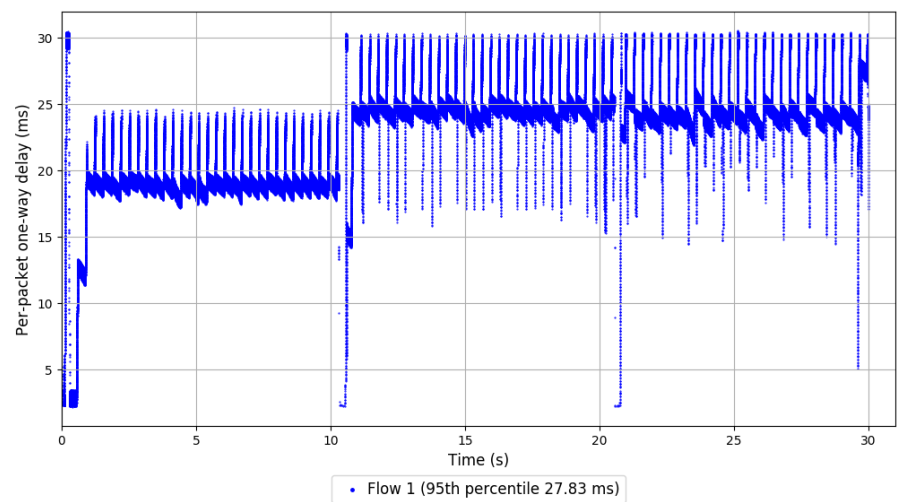
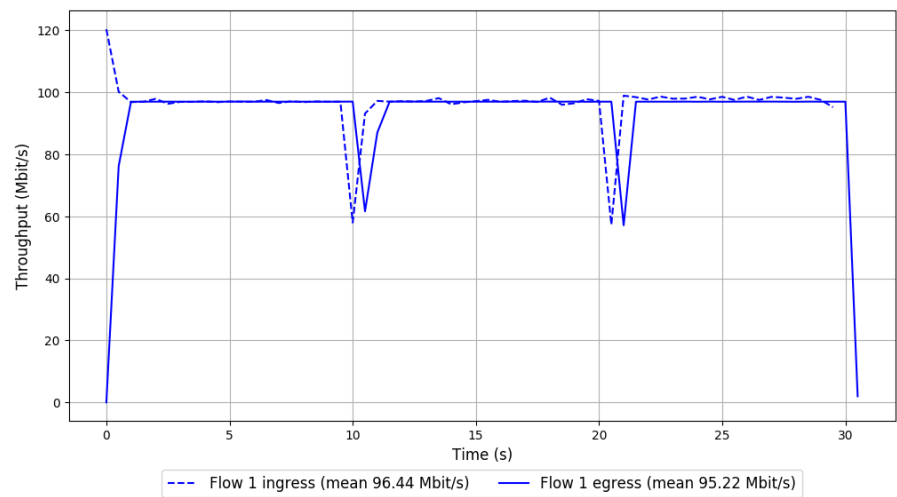


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-17 10:45:05
End at: 2018-07-17 10:45:35
Local clock offset: -6.851 ms
Remote clock offset: -2.386 ms

Below is generated by plot.py at 2018-07-17 12:13:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 27.827 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 27.827 ms
Loss rate: 1.19%

Run 6: Report of FillP-Sheep — Data Link

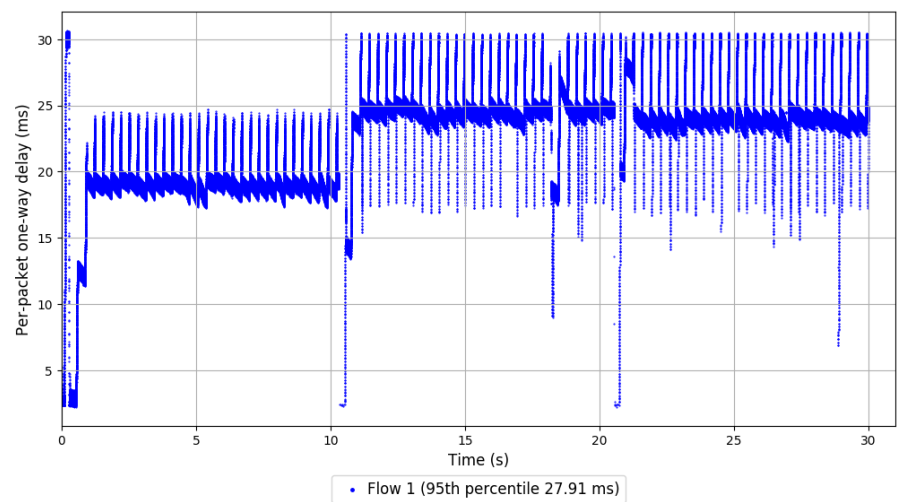
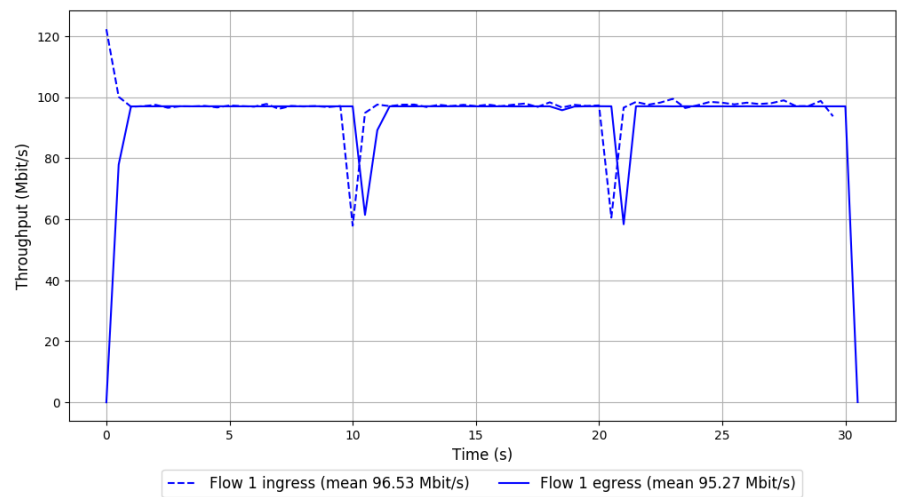


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-17 11:04:12
End at: 2018-07-17 11:04:42
Local clock offset: -6.861 ms
Remote clock offset: -1.852 ms

Below is generated by plot.py at 2018-07-17 12:14:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 27.912 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 27.912 ms
Loss rate: 1.22%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-17 11:23:14

End at: 2018-07-17 11:23:44

Local clock offset: -7.026 ms

Remote clock offset: -1.706 ms

Below is generated by plot.py at 2018-07-17 12:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 27.717 ms

Loss rate: 1.13%

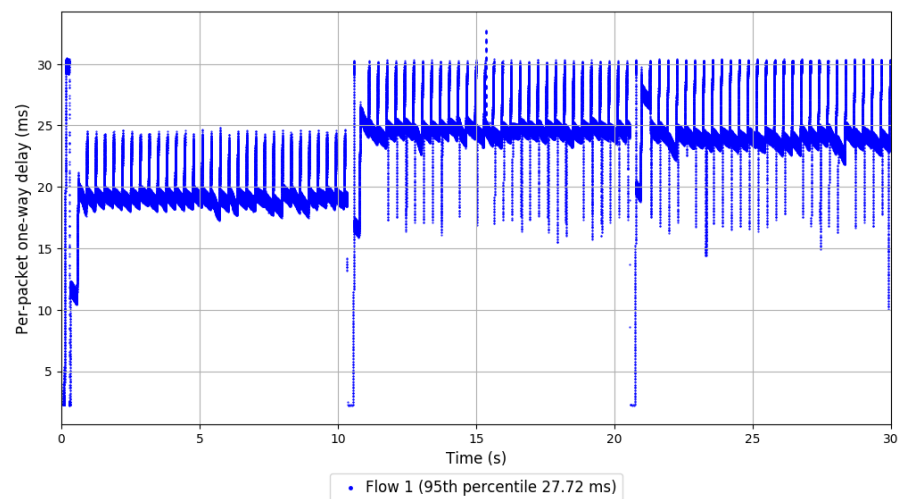
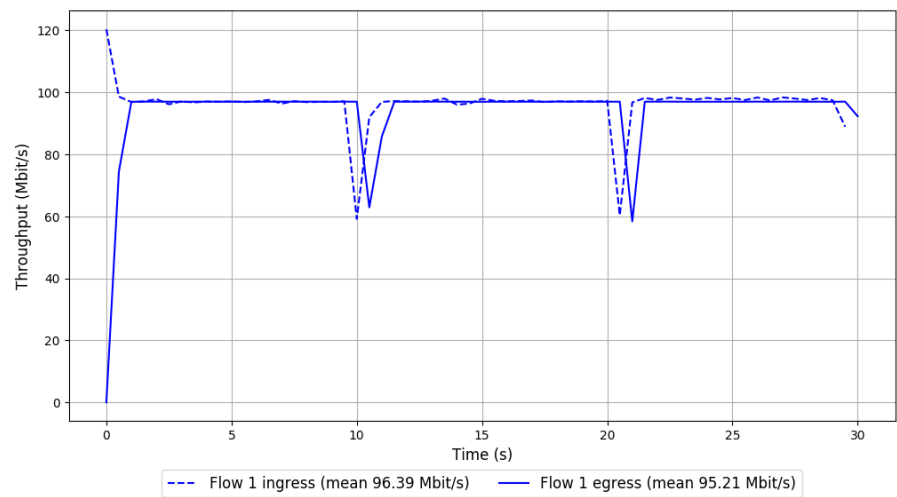
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 27.717 ms

Loss rate: 1.13%

Run 8: Report of FillP-Sheep — Data Link

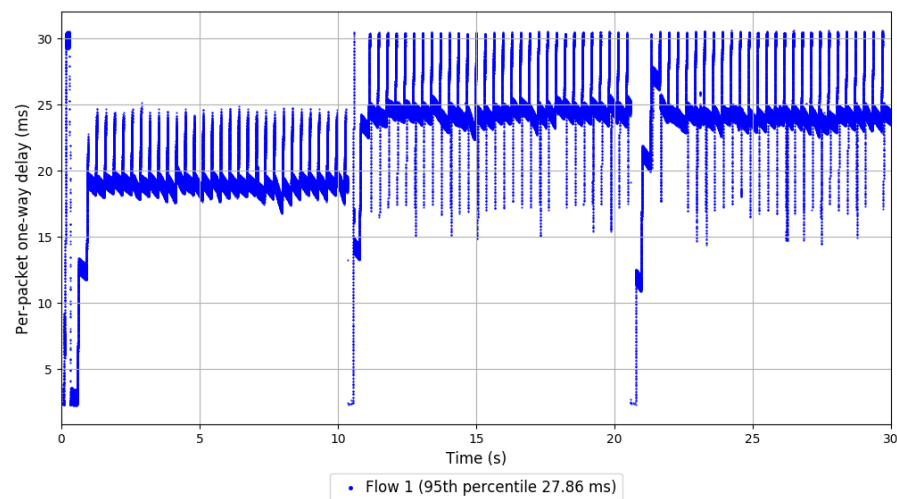
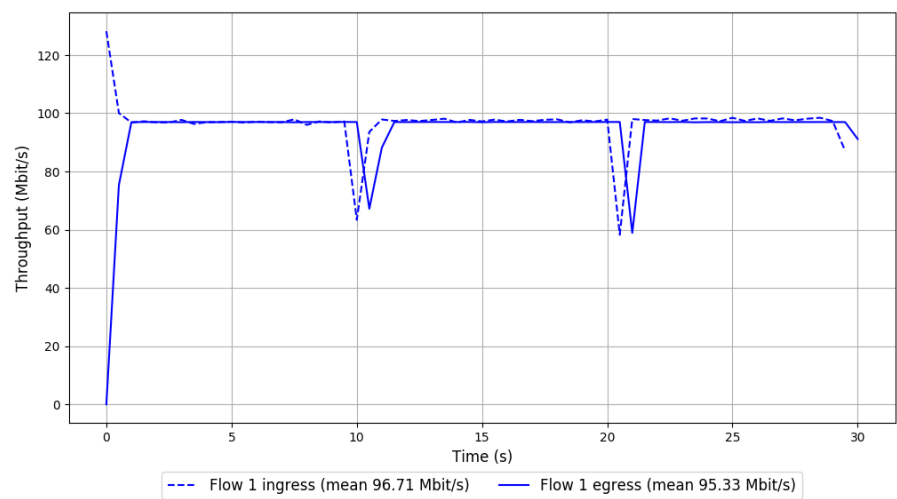


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-17 11:42:16
End at: 2018-07-17 11:42:46
Local clock offset: -6.237 ms
Remote clock offset: -5.732 ms

Below is generated by plot.py at 2018-07-17 12:14:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 27.864 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 27.864 ms
Loss rate: 1.35%

Run 9: Report of FillP-Sheep — Data Link

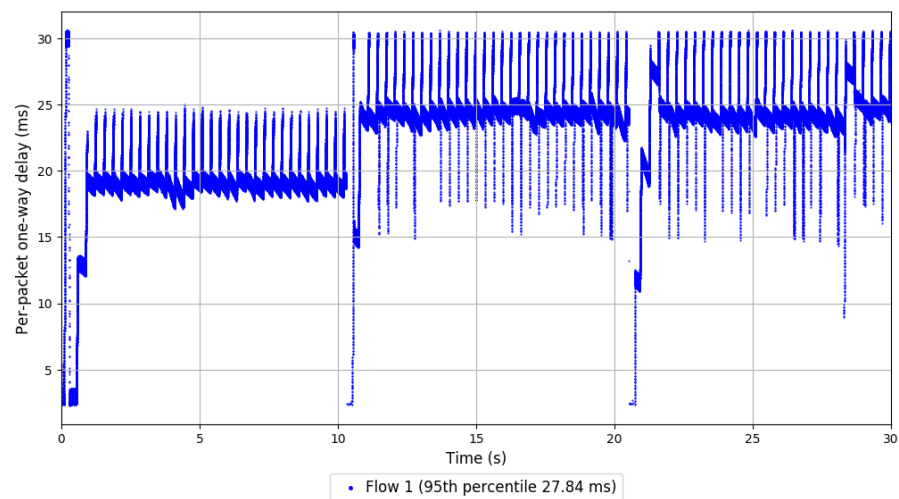
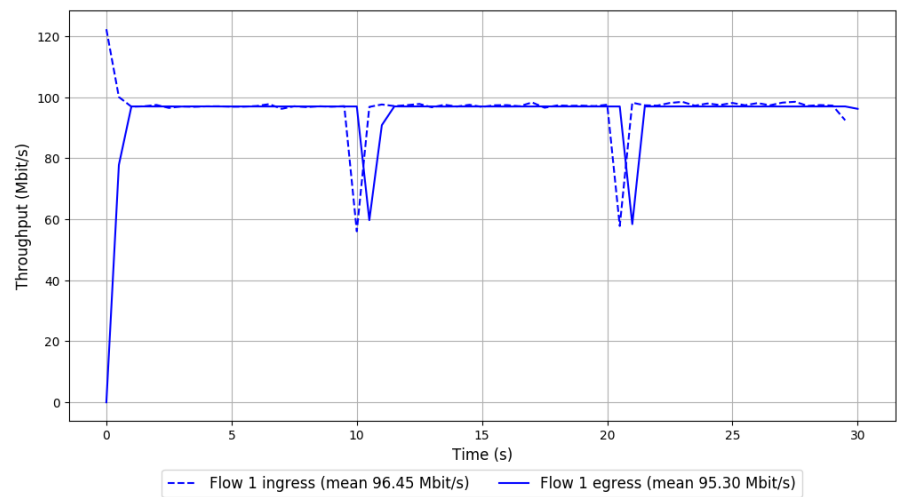


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-17 12:01:17
End at: 2018-07-17 12:01:47
Local clock offset: -6.058 ms
Remote clock offset: -8.452 ms

Below is generated by plot.py at 2018-07-17 12:14:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 27.836 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 27.836 ms
Loss rate: 1.12%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-17 08:53:15

End at: 2018-07-17 08:53:45

Local clock offset: 2.551 ms

Remote clock offset: -6.921 ms

Below is generated by plot.py at 2018-07-17 12:14:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 5.339 ms

Loss rate: 0.00%

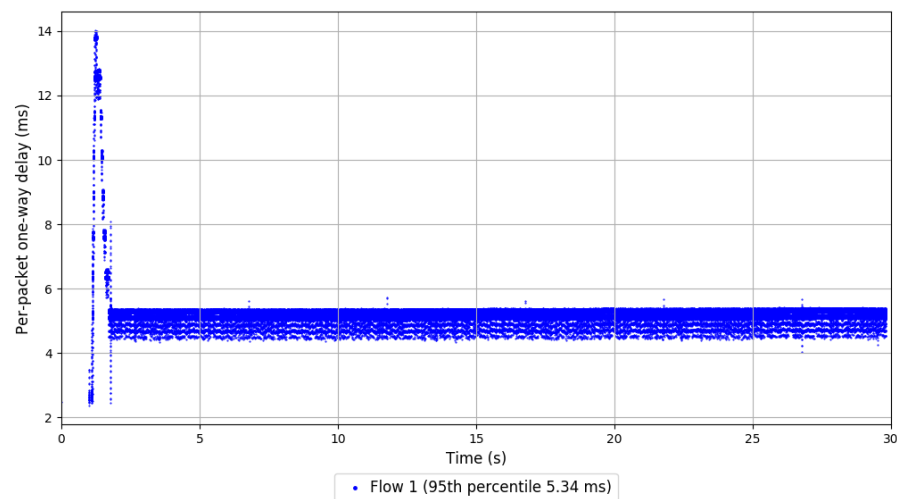
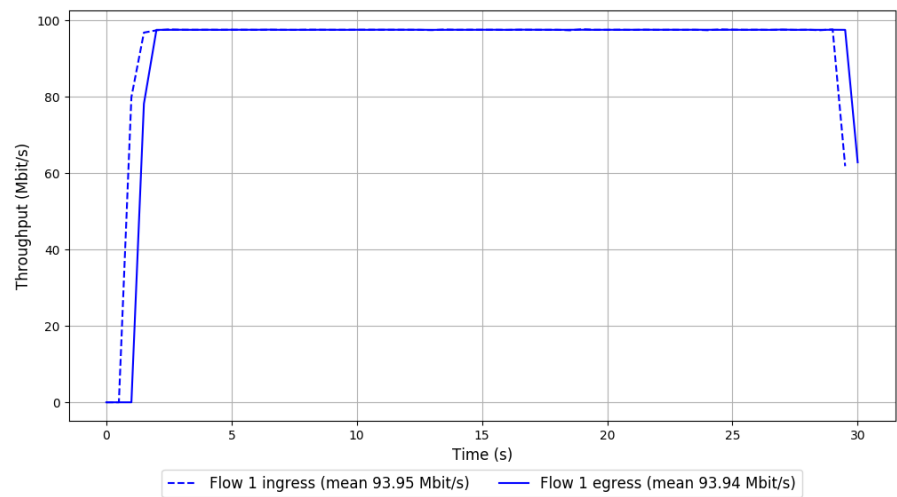
-- Flow 1:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 5.339 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

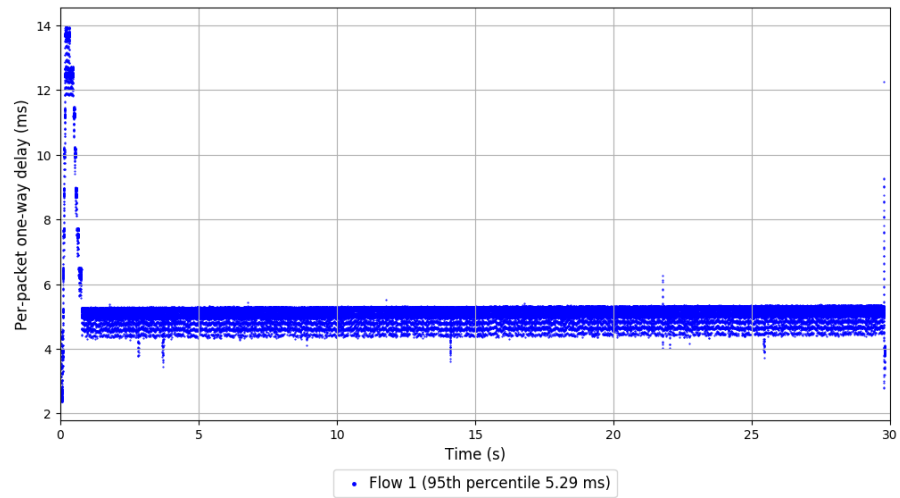
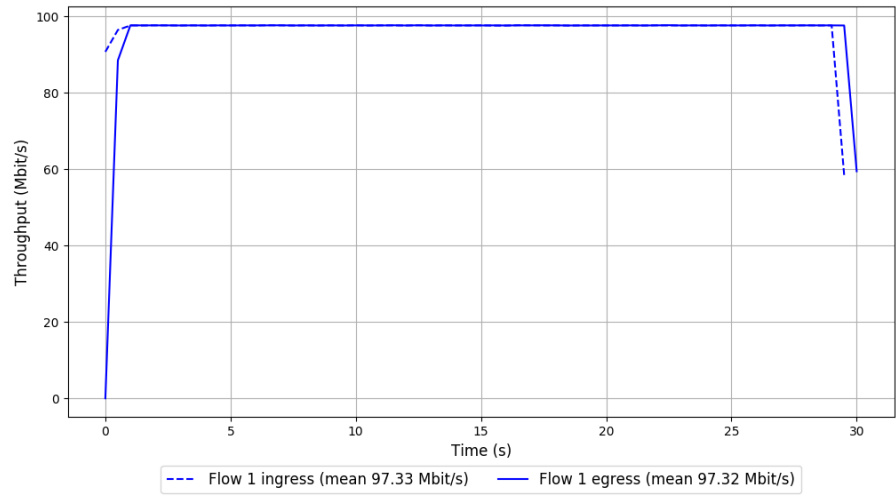


Run 2: Statistics of Indigo

Start at: 2018-07-17 09:12:13
End at: 2018-07-17 09:12:43
Local clock offset: 5.505 ms
Remote clock offset: -6.552 ms

Below is generated by plot.py at 2018-07-17 12:14:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.293 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

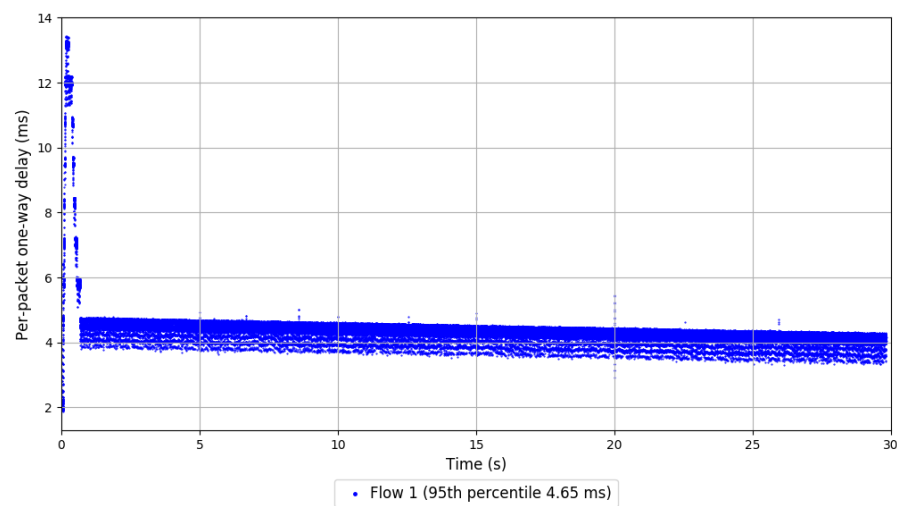
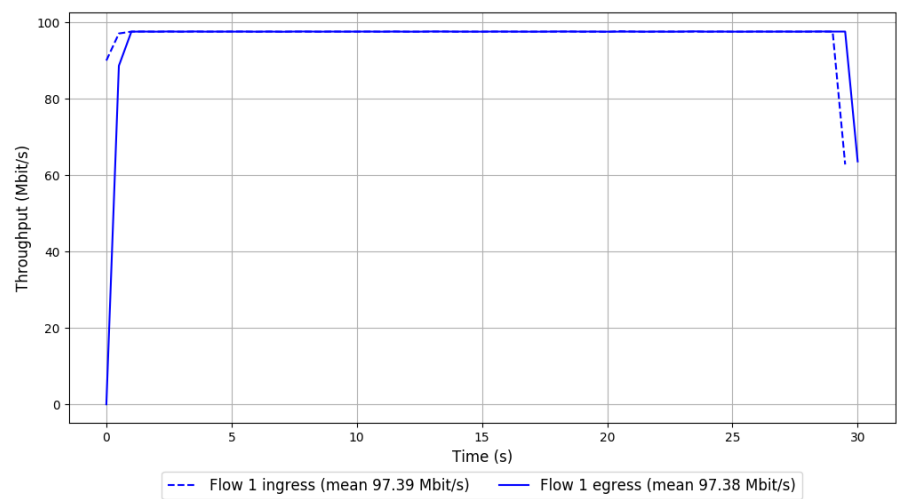


Run 3: Statistics of Indigo

Start at: 2018-07-17 09:31:15
End at: 2018-07-17 09:31:45
Local clock offset: 0.355 ms
Remote clock offset: -2.341 ms

Below is generated by plot.py at 2018-07-17 12:14:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 4.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 4.648 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

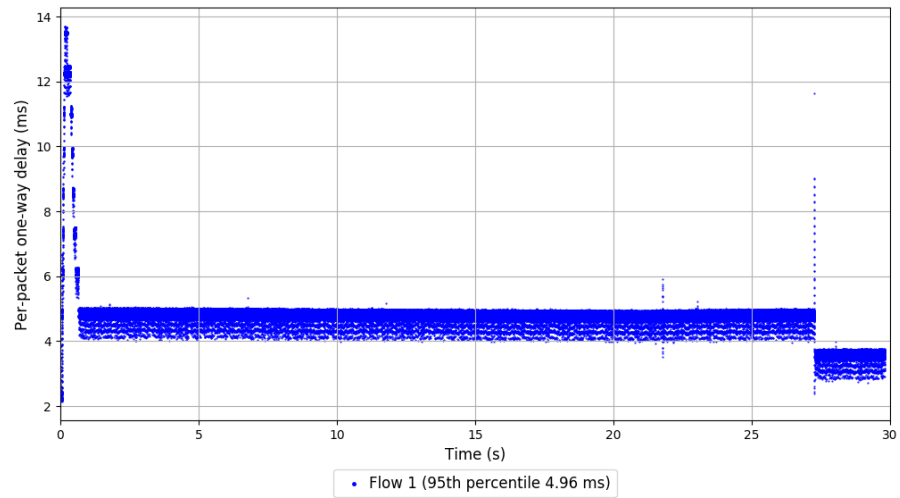
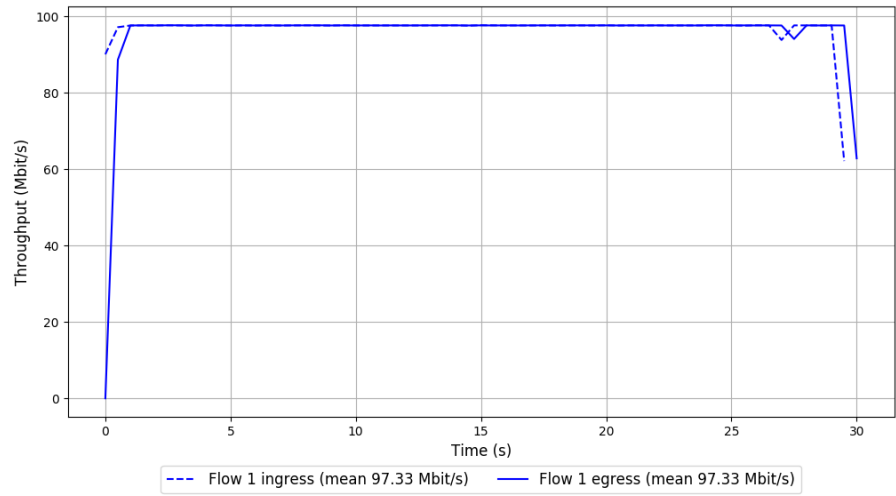


Run 4: Statistics of Indigo

Start at: 2018-07-17 09:50:17
End at: 2018-07-17 09:50:47
Local clock offset: -7.824 ms
Remote clock offset: -0.639 ms

Below is generated by plot.py at 2018-07-17 12:14:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 4.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 4.957 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-17 10:09:18

End at: 2018-07-17 10:09:48

Local clock offset: -7.466 ms

Remote clock offset: -5.03 ms

Below is generated by plot.py at 2018-07-17 12:15:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.103 ms

Loss rate: 0.00%

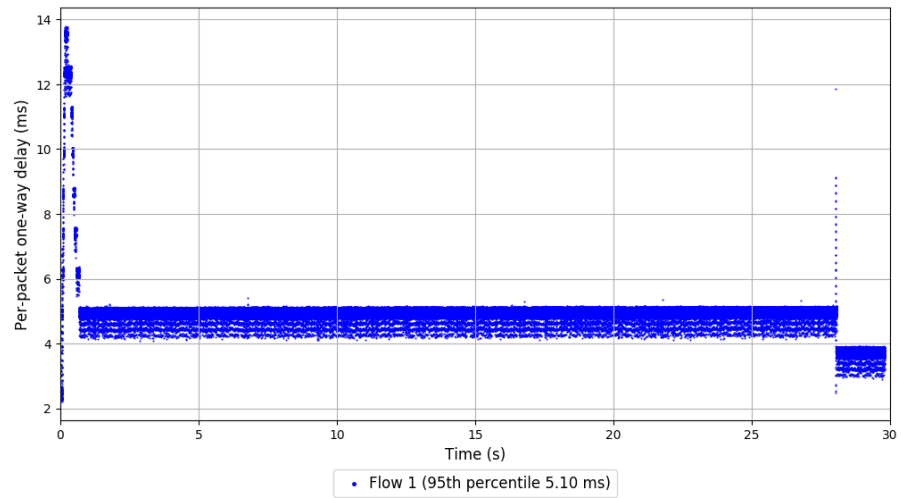
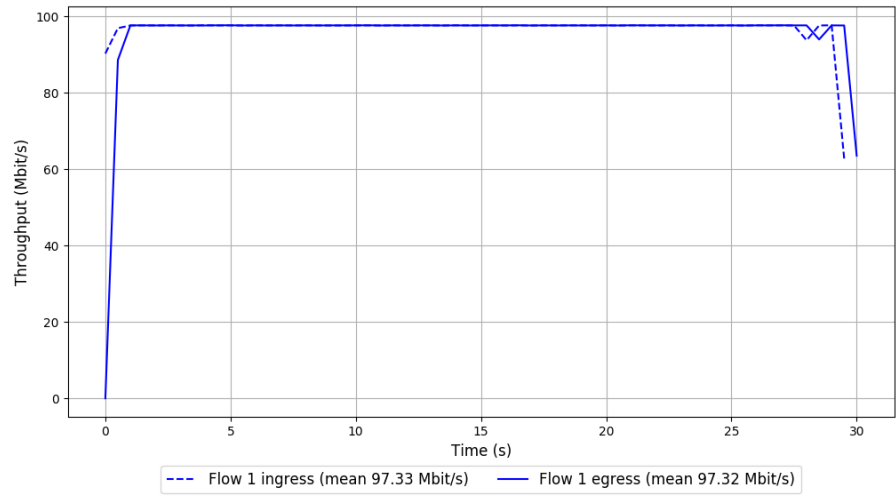
-- Flow 1:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.103 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

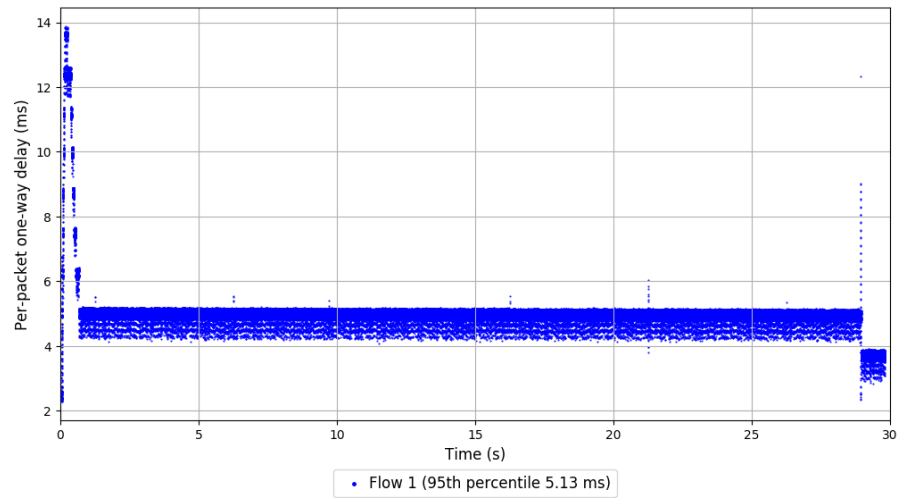
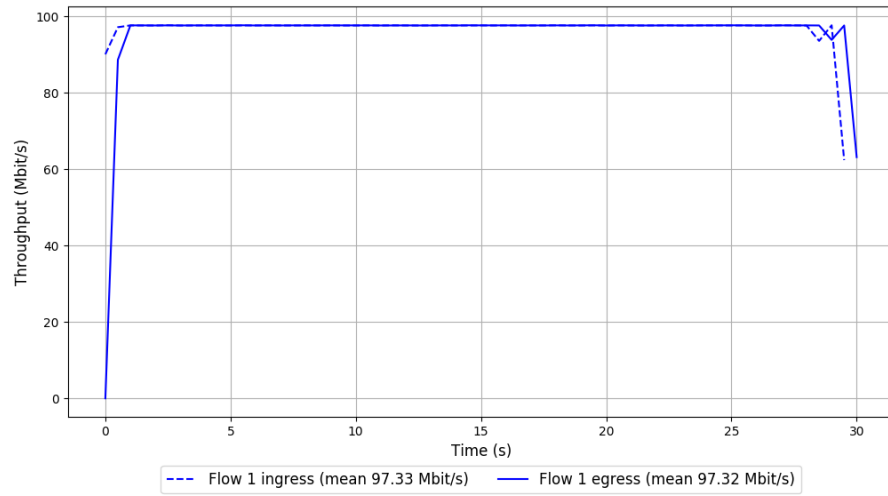


Run 6: Statistics of Indigo

Start at: 2018-07-17 10:28:20
End at: 2018-07-17 10:28:50
Local clock offset: -7.57 ms
Remote clock offset: -4.548 ms

Below is generated by plot.py at 2018-07-17 12:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.126 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

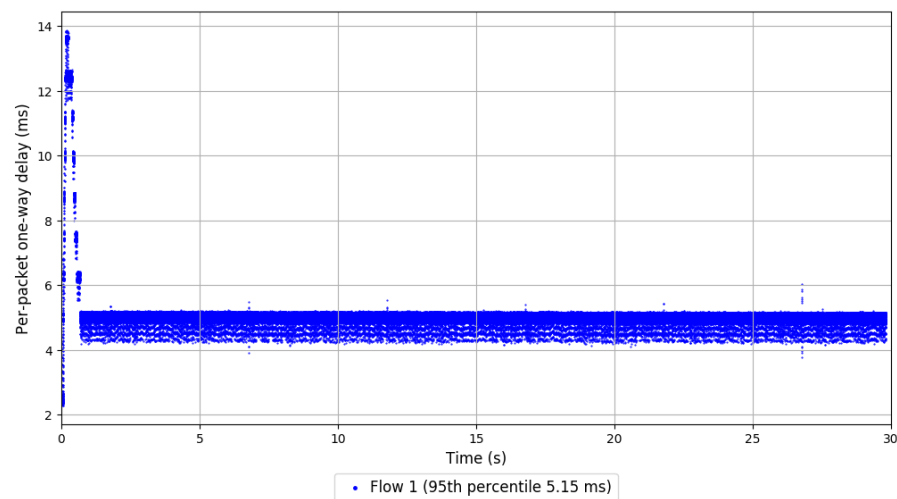
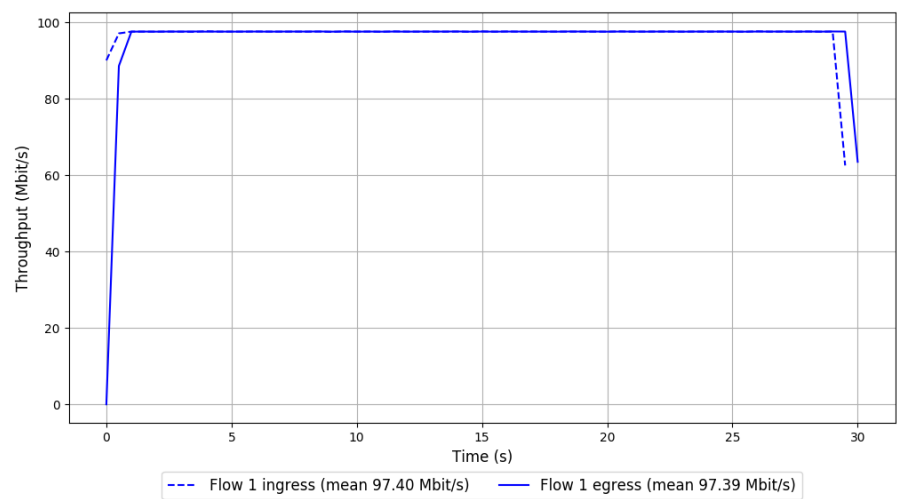


Run 7: Statistics of Indigo

Start at: 2018-07-17 10:47:21
End at: 2018-07-17 10:47:51
Local clock offset: -6.949 ms
Remote clock offset: -2.279 ms

Below is generated by plot.py at 2018-07-17 12:15:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 5.149 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

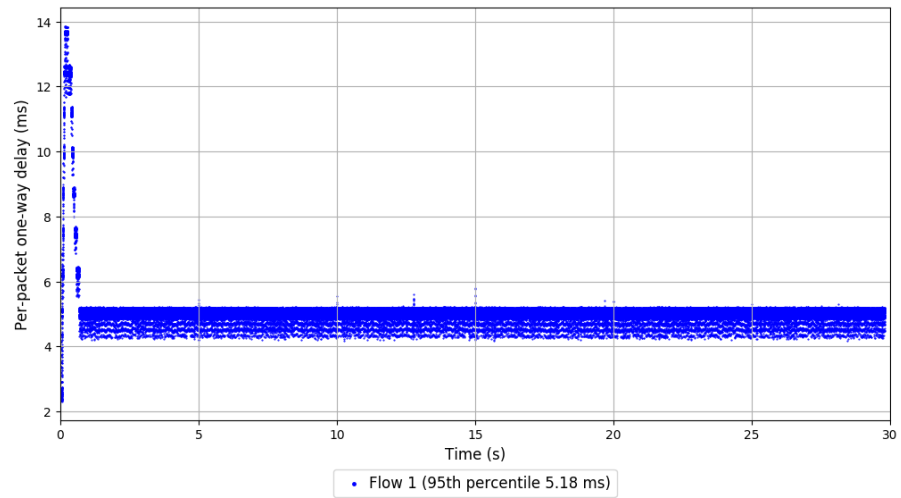
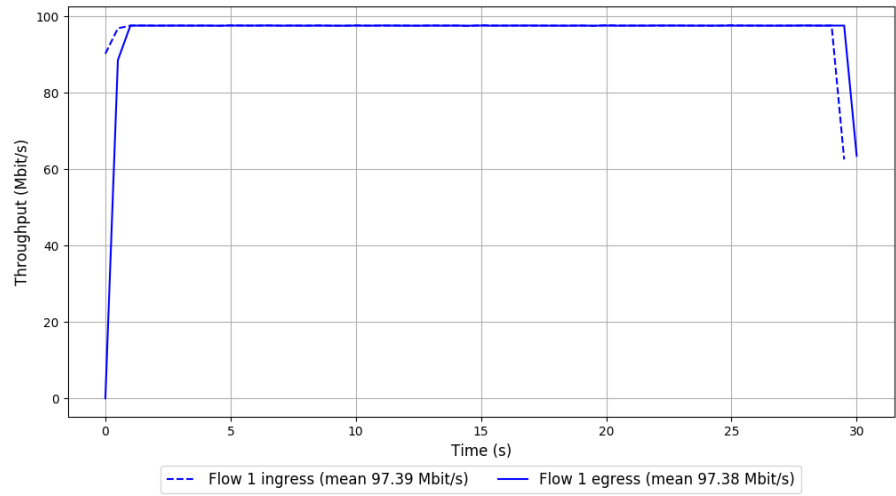


Run 8: Statistics of Indigo

Start at: 2018-07-17 11:06:28
End at: 2018-07-17 11:06:58
Local clock offset: -6.847 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2018-07-17 12:15:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.176 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

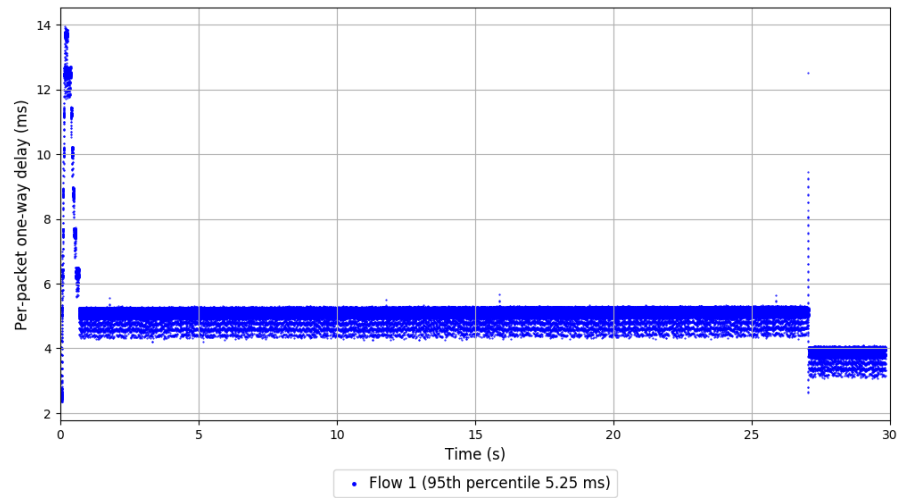
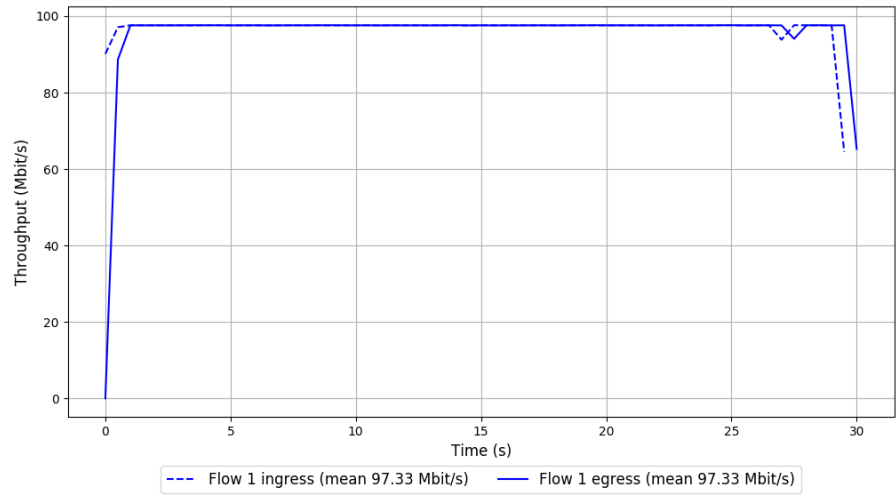


Run 9: Statistics of Indigo

Start at: 2018-07-17 11:25:30
End at: 2018-07-17 11:26:00
Local clock offset: -7.065 ms
Remote clock offset: -1.555 ms

Below is generated by plot.py at 2018-07-17 12:16:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 5.254 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

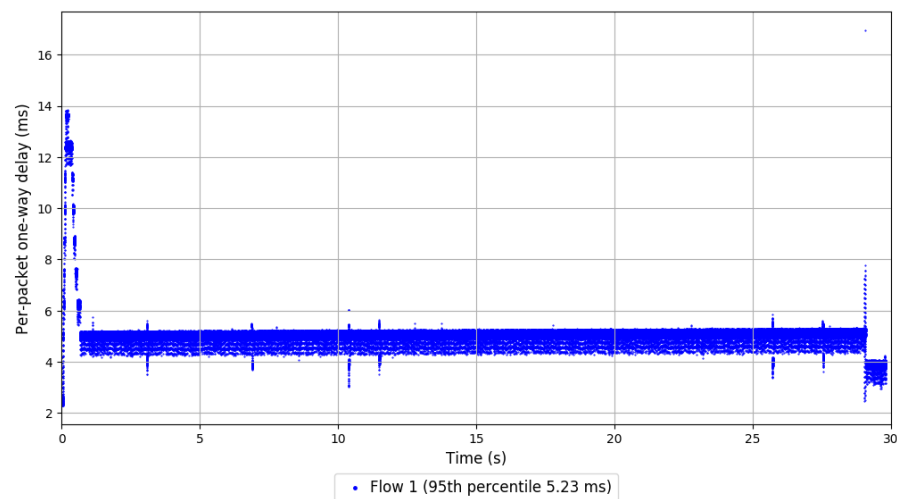
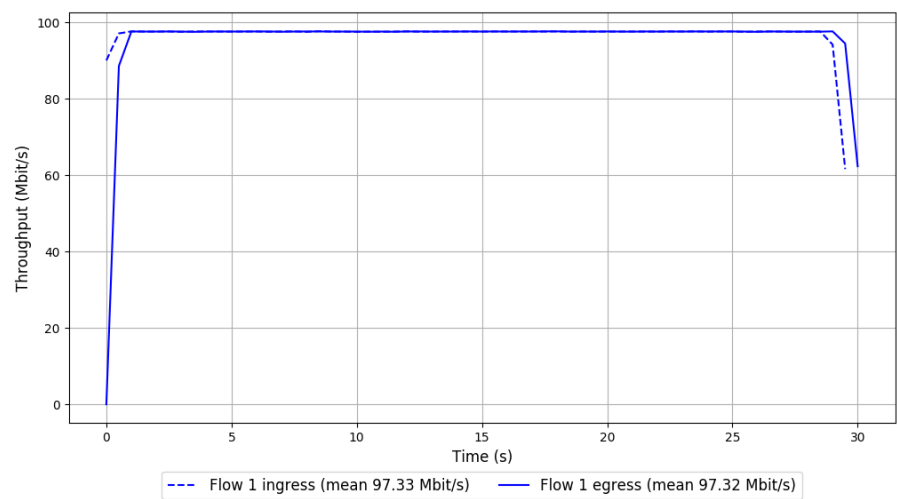


Run 10: Statistics of Indigo

Start at: 2018-07-17 11:44:31
End at: 2018-07-17 11:45:01
Local clock offset: -6.212 ms
Remote clock offset: -6.267 ms

Below is generated by plot.py at 2018-07-17 12:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 5.231 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

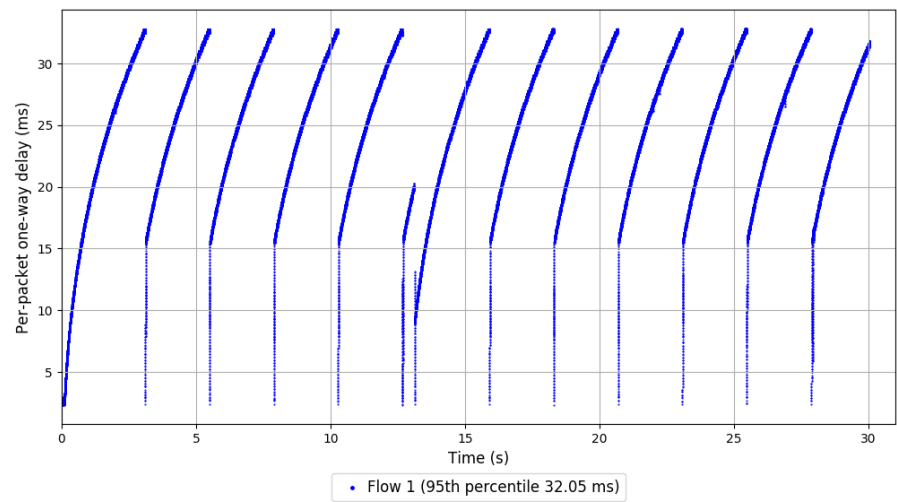
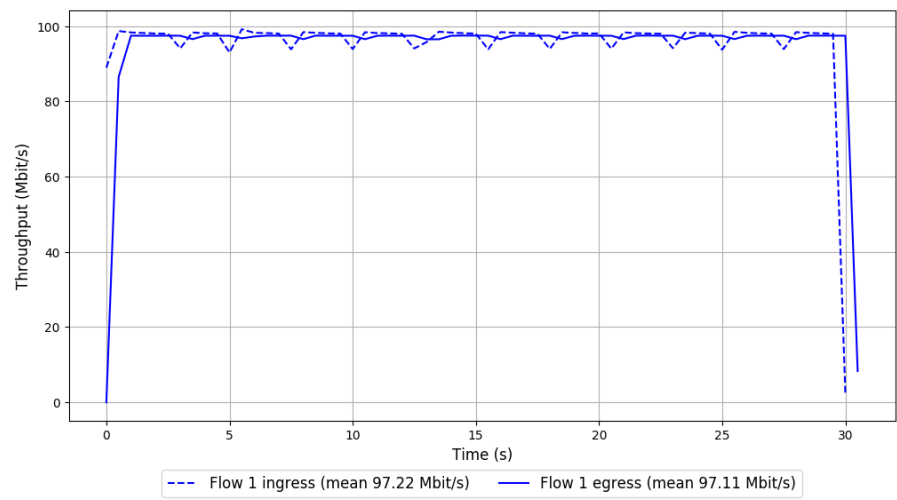


Run 1: Statistics of LEDBAT

Start at: 2018-07-17 08:55:31
End at: 2018-07-17 08:56:01
Local clock offset: 2.957 ms
Remote clock offset: -6.857 ms

Below is generated by plot.py at 2018-07-17 12:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.050 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.050 ms
Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link

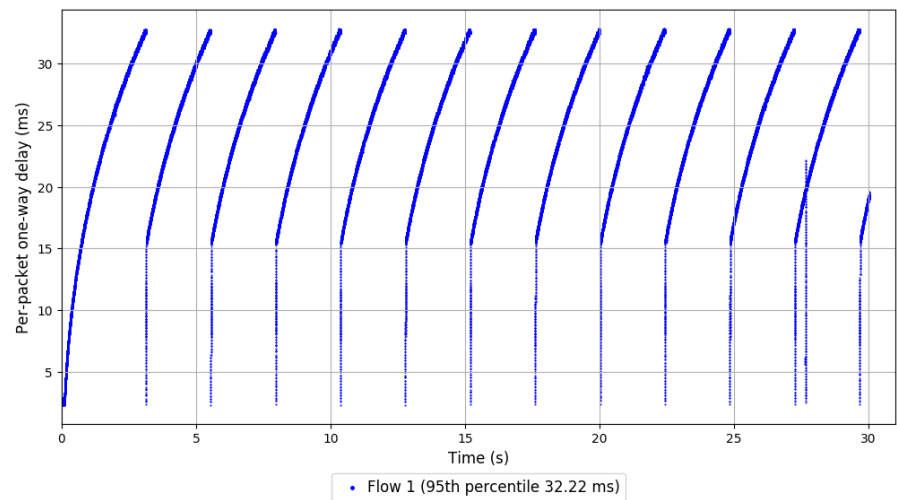
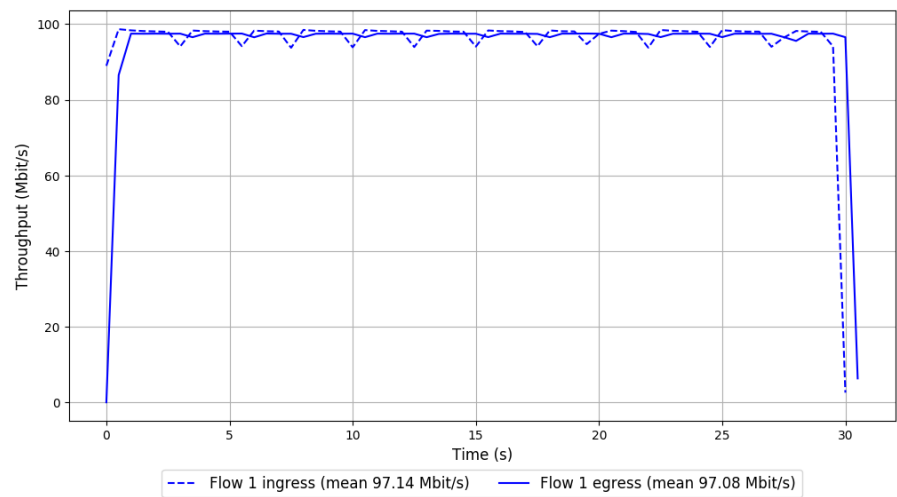


Run 2: Statistics of LEDBAT

Start at: 2018-07-17 09:14:29
End at: 2018-07-17 09:14:59
Local clock offset: 5.844 ms
Remote clock offset: -6.618 ms

Below is generated by plot.py at 2018-07-17 12:16:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.222 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.222 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

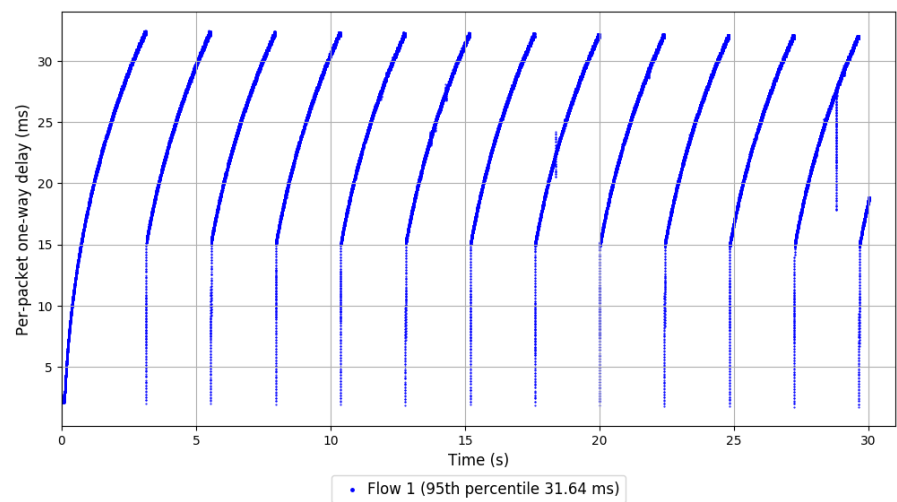
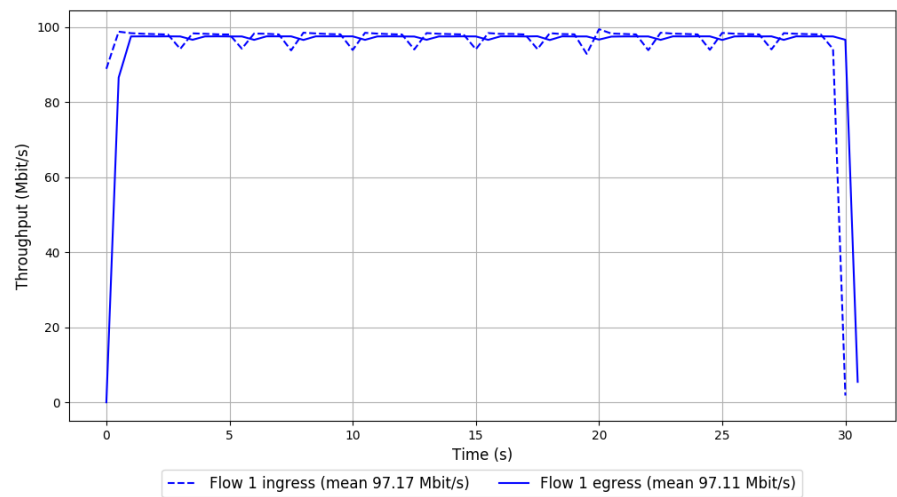


Run 3: Statistics of LEDBAT

Start at: 2018-07-17 09:33:31
End at: 2018-07-17 09:34:01
Local clock offset: -1.61 ms
Remote clock offset: -2.054 ms

Below is generated by plot.py at 2018-07-17 12:17:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.642 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.642 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

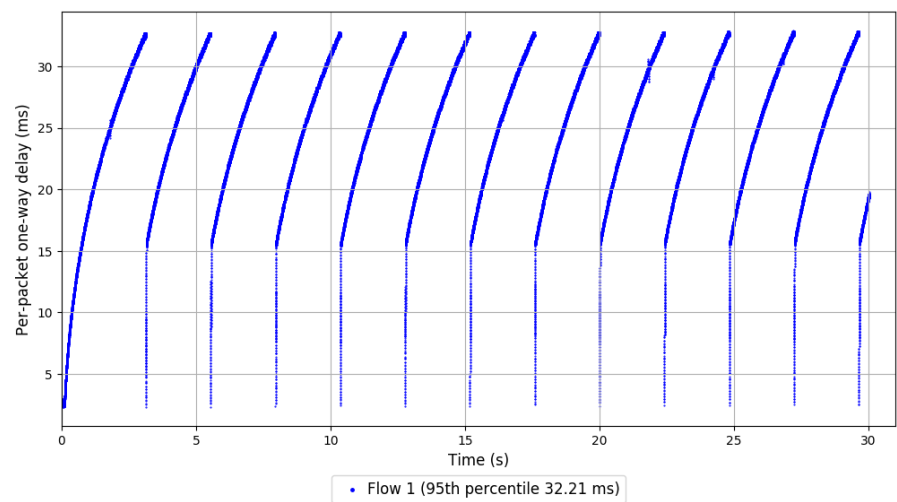
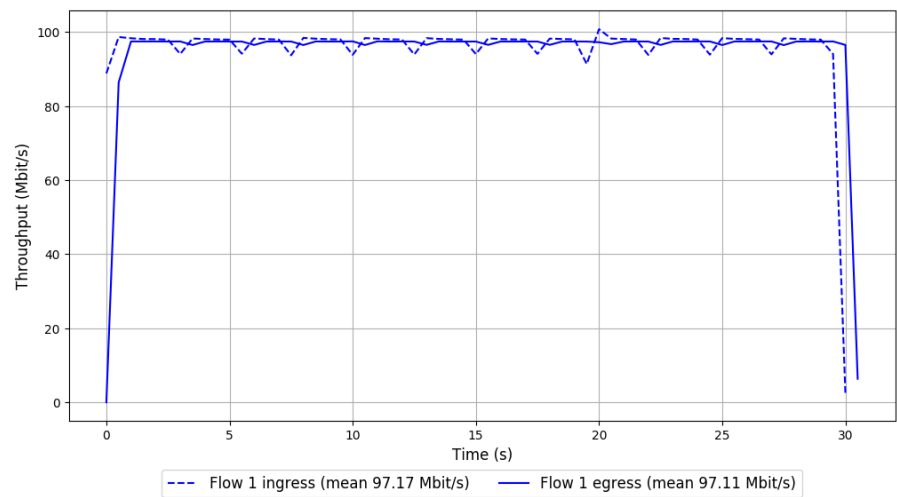


Run 4: Statistics of LEDBAT

Start at: 2018-07-17 09:52:32
End at: 2018-07-17 09:53:02
Local clock offset: -8.27 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2018-07-17 12:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.209 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.209 ms
Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

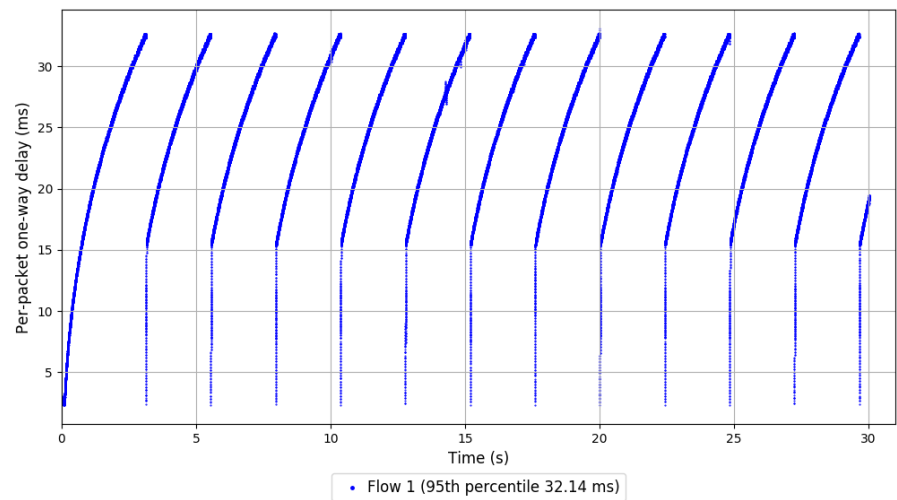
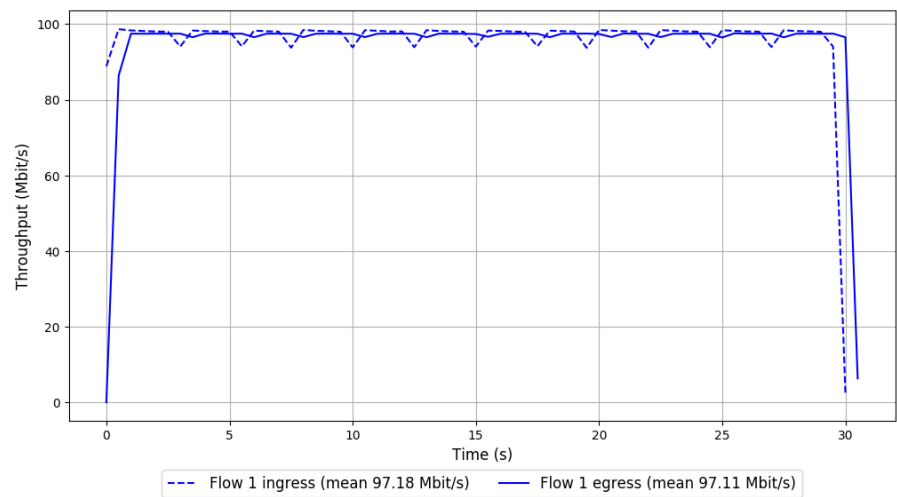


Run 5: Statistics of LEDBAT

Start at: 2018-07-17 10:11:34
End at: 2018-07-17 10:12:04
Local clock offset: -7.498 ms
Remote clock offset: -5.137 ms

Below is generated by plot.py at 2018-07-17 12:17:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

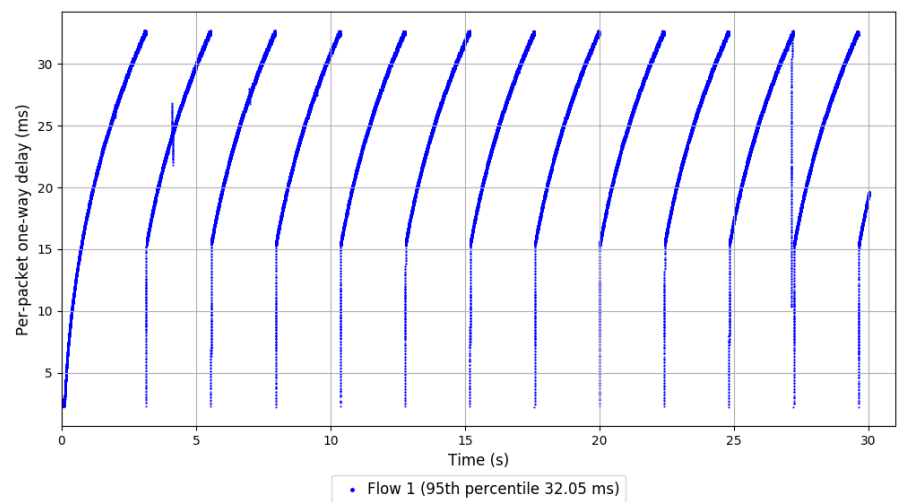
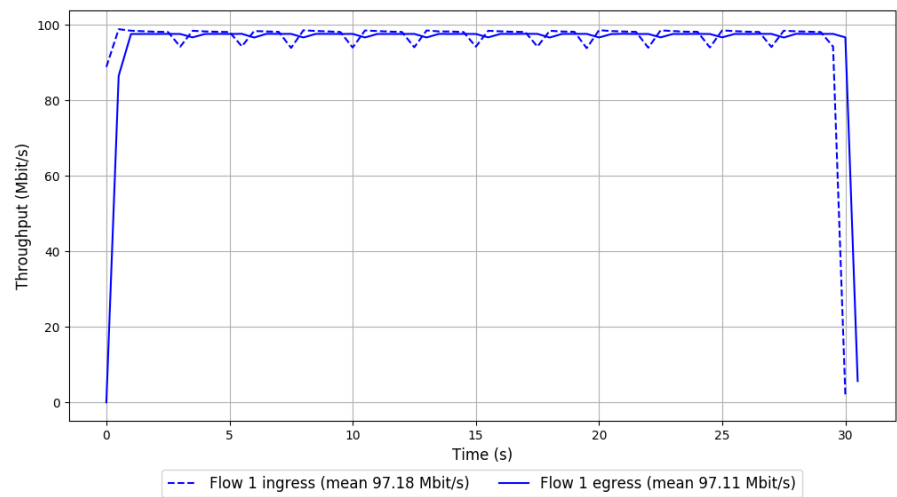


Run 6: Statistics of LEDBAT

Start at: 2018-07-17 10:30:35
End at: 2018-07-17 10:31:05
Local clock offset: -7.294 ms
Remote clock offset: -4.063 ms

Below is generated by plot.py at 2018-07-17 12:17:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.046 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.046 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

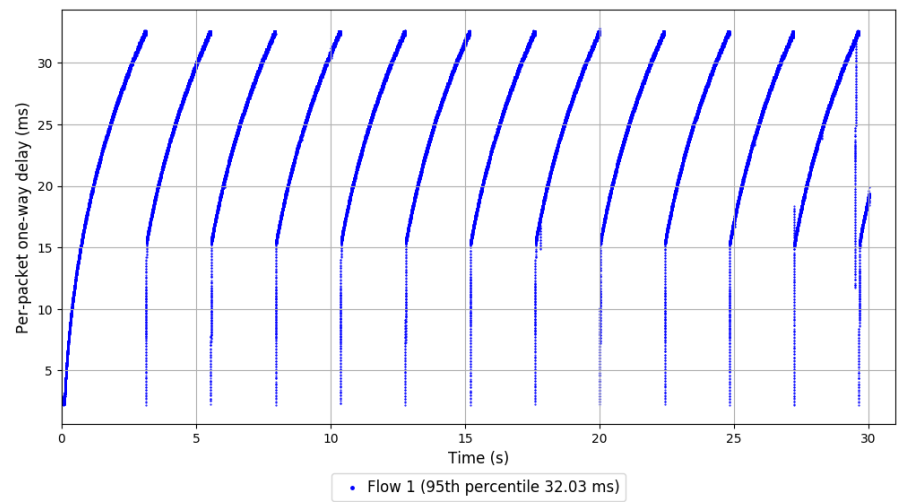
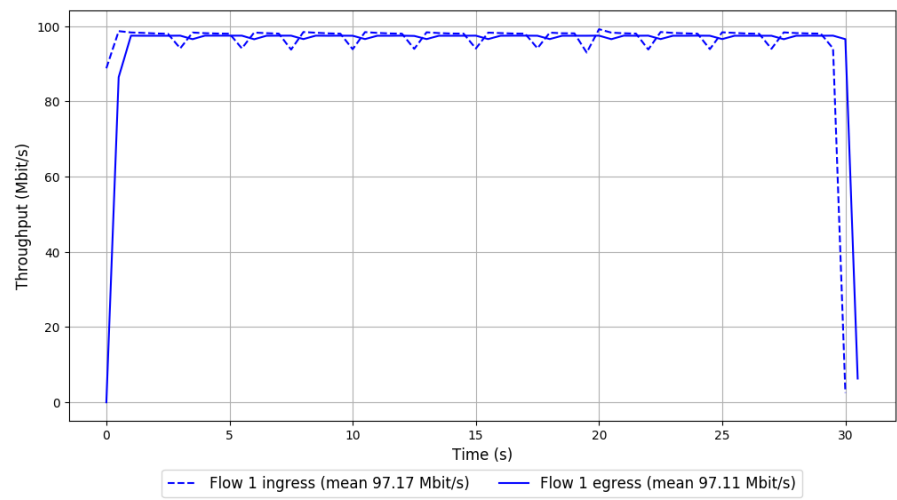


Run 7: Statistics of LEDBAT

Start at: 2018-07-17 10:49:37
End at: 2018-07-17 10:50:07
Local clock offset: -6.92 ms
Remote clock offset: -2.186 ms

Below is generated by plot.py at 2018-07-17 12:17:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.034 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.034 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

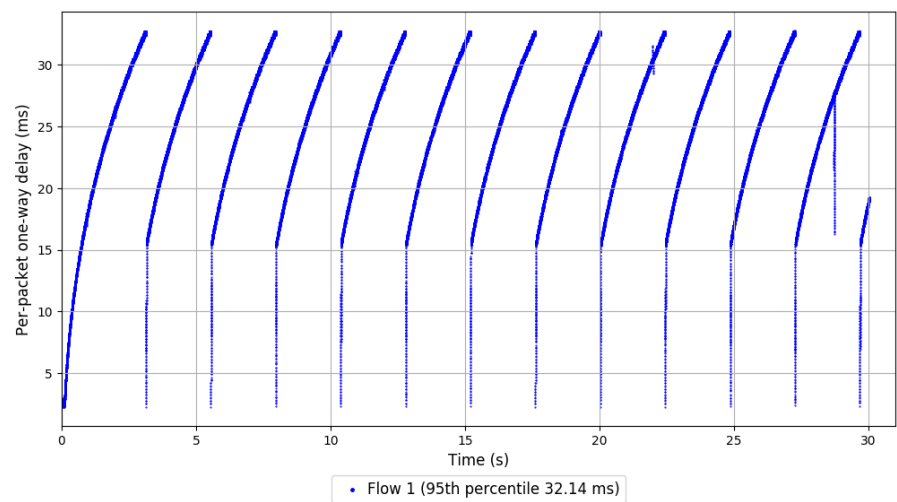
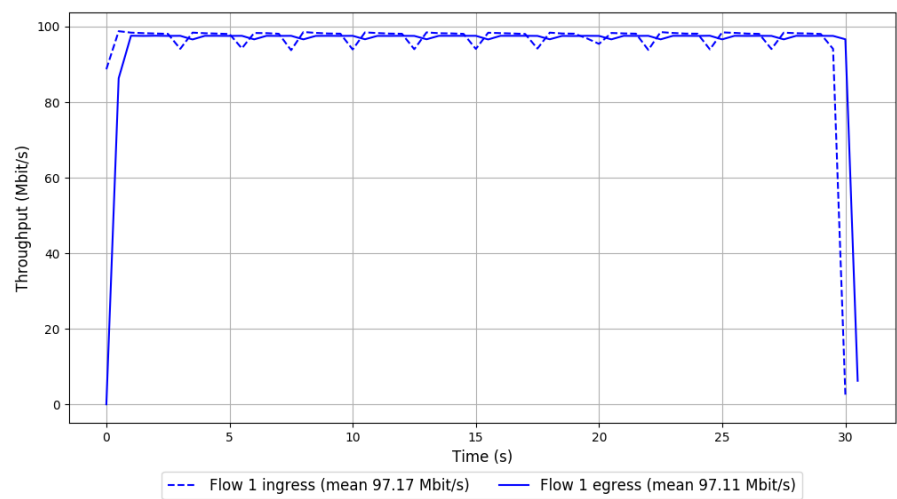


Run 8: Statistics of LEDBAT

Start at: 2018-07-17 11:08:44
End at: 2018-07-17 11:09:14
Local clock offset: -6.853 ms
Remote clock offset: -1.881 ms

Below is generated by plot.py at 2018-07-17 12:17:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

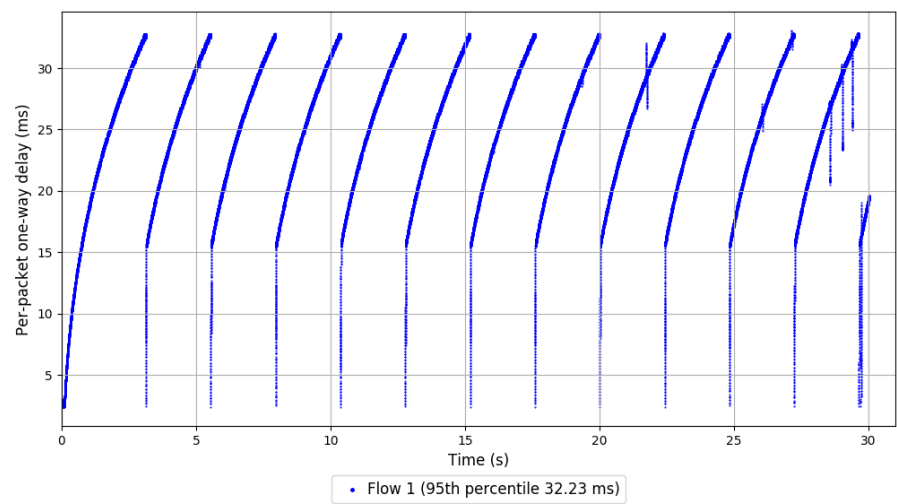
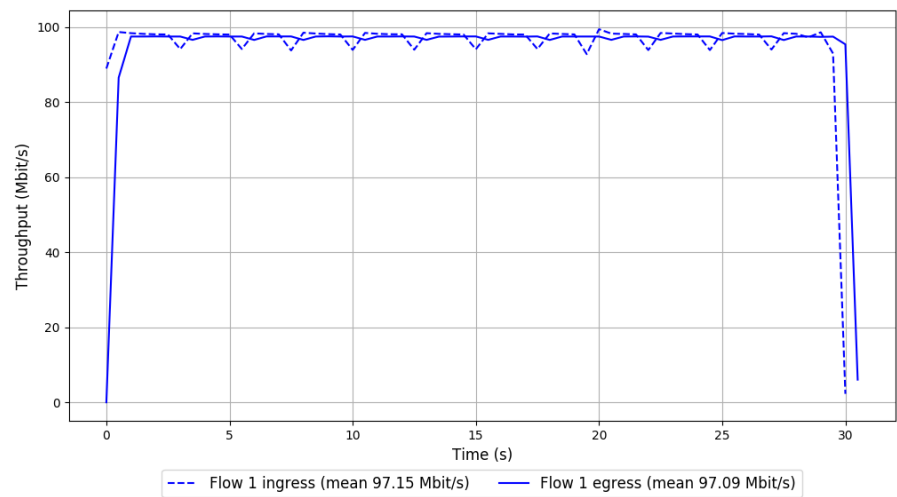


Run 9: Statistics of LEDBAT

Start at: 2018-07-17 11:27:46
End at: 2018-07-17 11:28:16
Local clock offset: -6.823 ms
Remote clock offset: -1.489 ms

Below is generated by plot.py at 2018-07-17 12:17:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.233 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 32.233 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

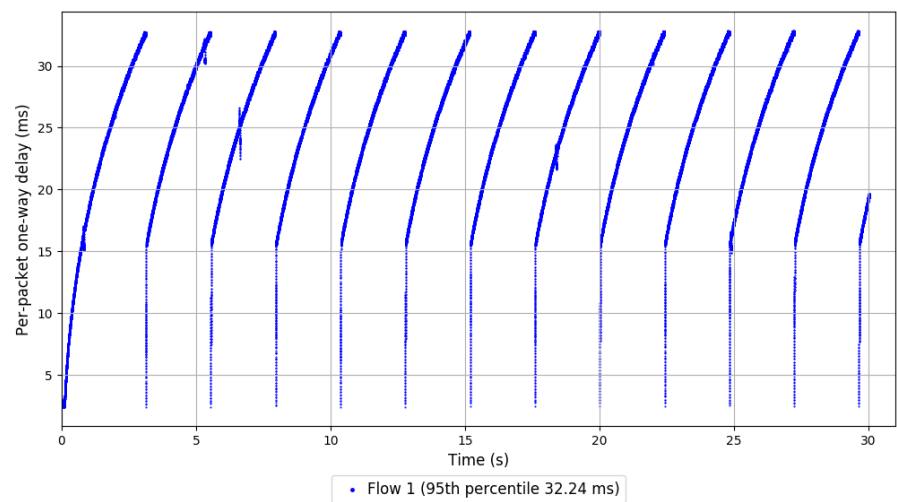
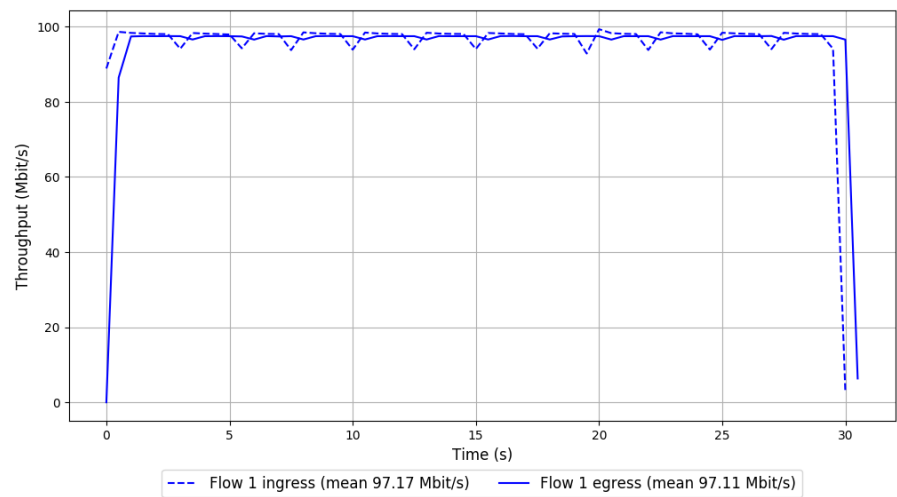


Run 10: Statistics of LEDBAT

Start at: 2018-07-17 11:46:47
End at: 2018-07-17 11:47:17
Local clock offset: -6.217 ms
Remote clock offset: -6.702 ms

Below is generated by plot.py at 2018-07-17 12:17:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.240 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 32.240 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-17 09:04:20

End at: 2018-07-17 09:04:50

Local clock offset: 4.331 ms

Remote clock offset: -6.672 ms

Below is generated by plot.py at 2018-07-17 12:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 3.500 ms

Loss rate: 0.00%

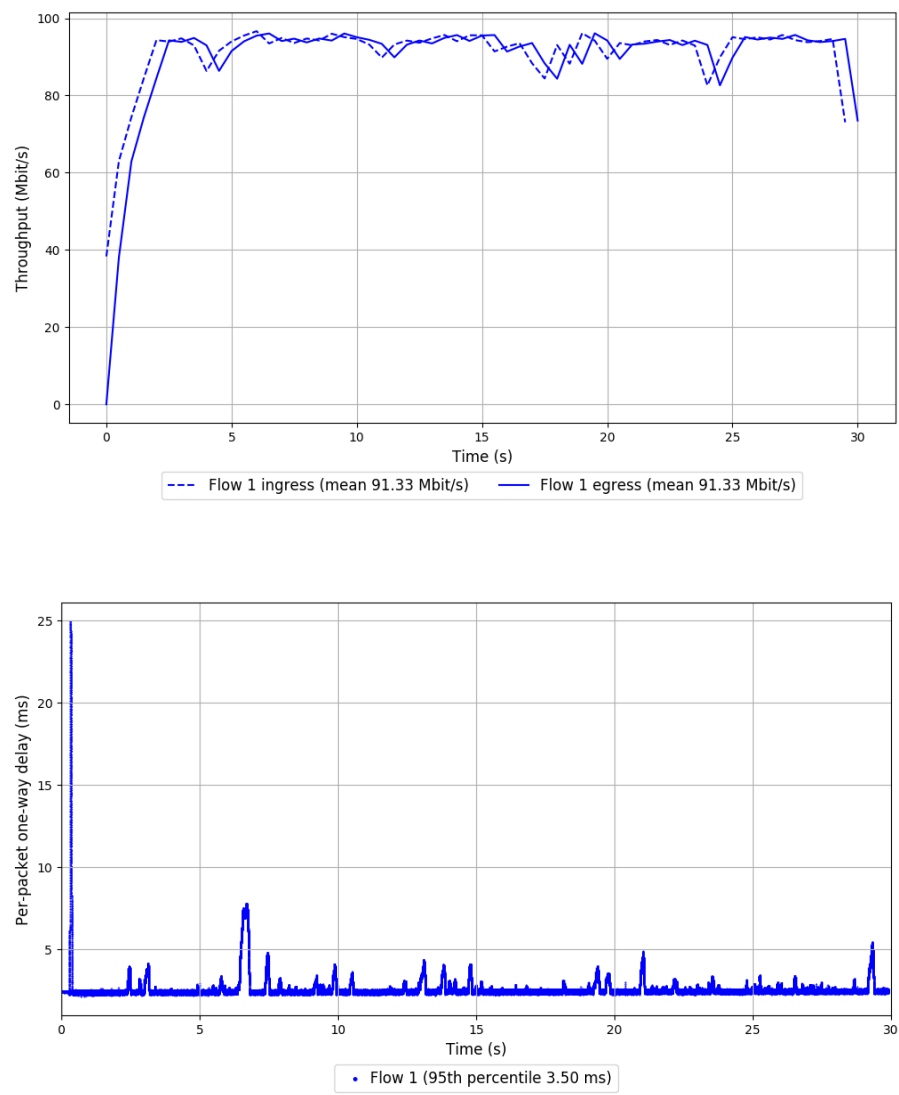
-- Flow 1:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 3.500 ms

Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-17 09:23:22

End at: 2018-07-17 09:23:52

Local clock offset: 7.205 ms

Remote clock offset: -4.082 ms

Below is generated by plot.py at 2018-07-17 12:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 3.408 ms

Loss rate: 0.00%

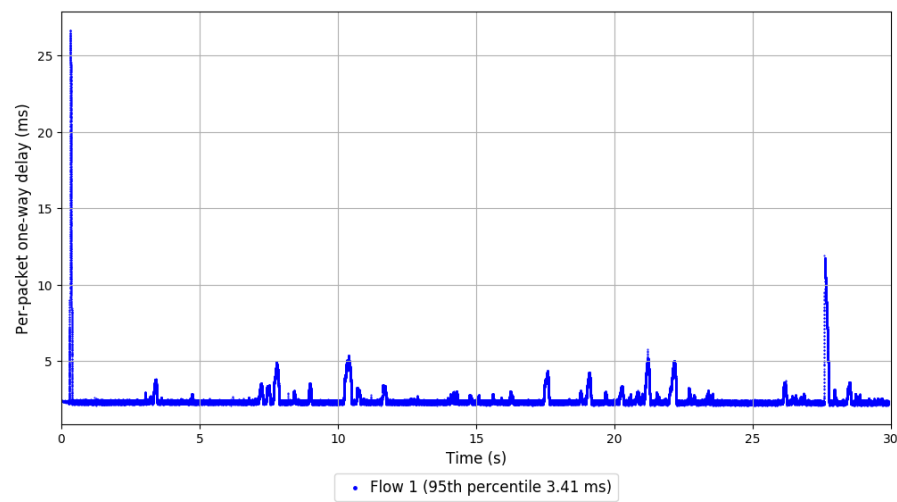
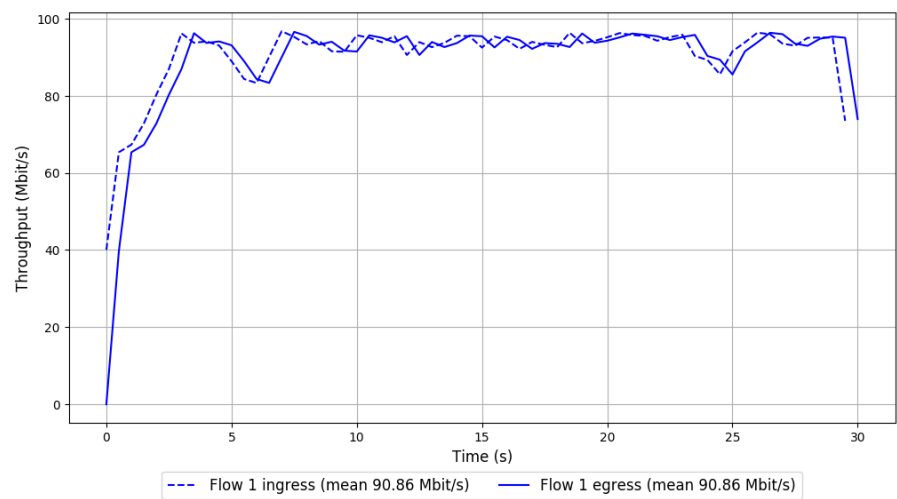
-- Flow 1:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 3.408 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-17 09:42:24

End at: 2018-07-17 09:42:54

Local clock offset: -5.853 ms

Remote clock offset: -1.186 ms

Below is generated by plot.py at 2018-07-17 12:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 3.388 ms

Loss rate: 0.00%

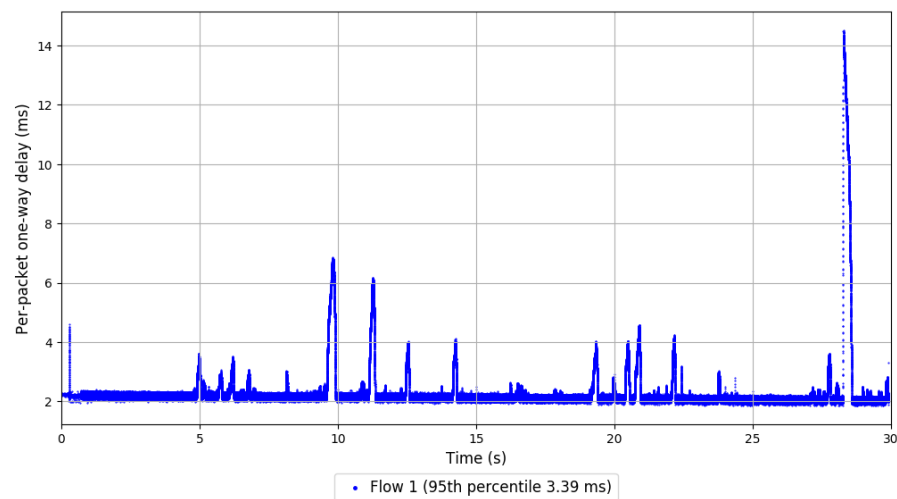
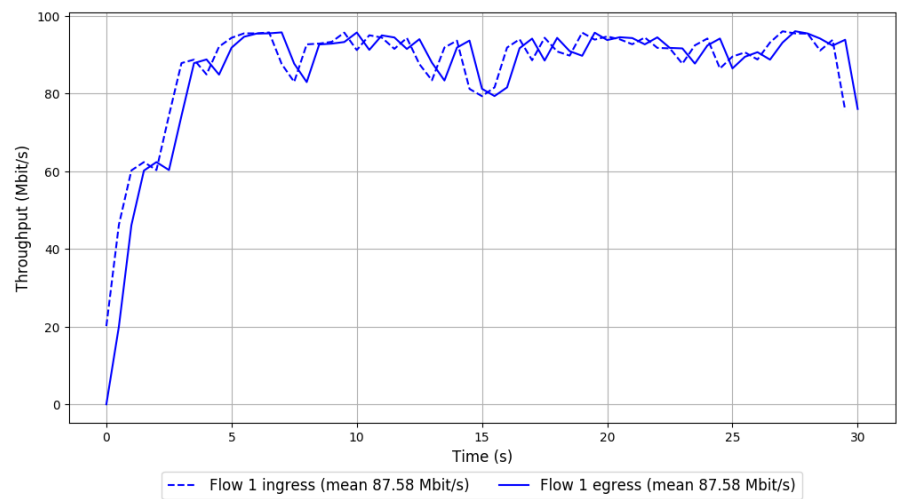
-- Flow 1:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 3.388 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-17 10:01:26

End at: 2018-07-17 10:01:56

Local clock offset: -7.747 ms

Remote clock offset: -4.101 ms

Below is generated by plot.py at 2018-07-17 12:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 3.618 ms

Loss rate: 0.00%

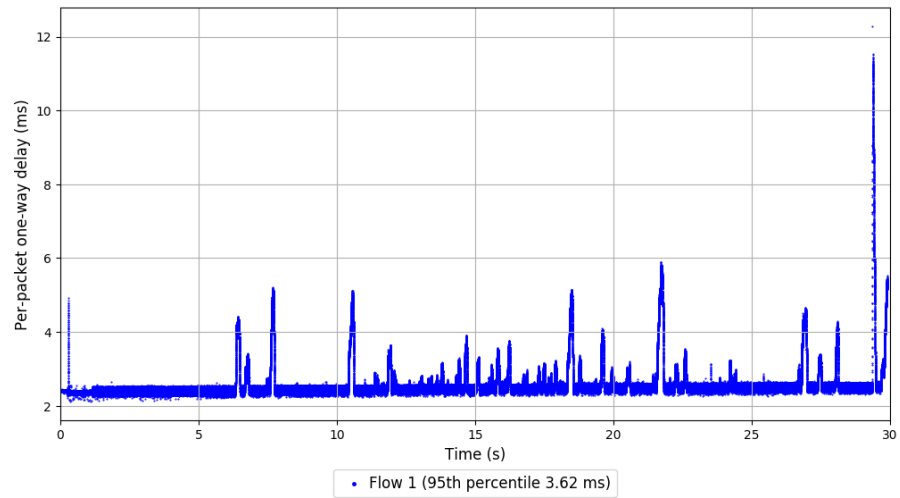
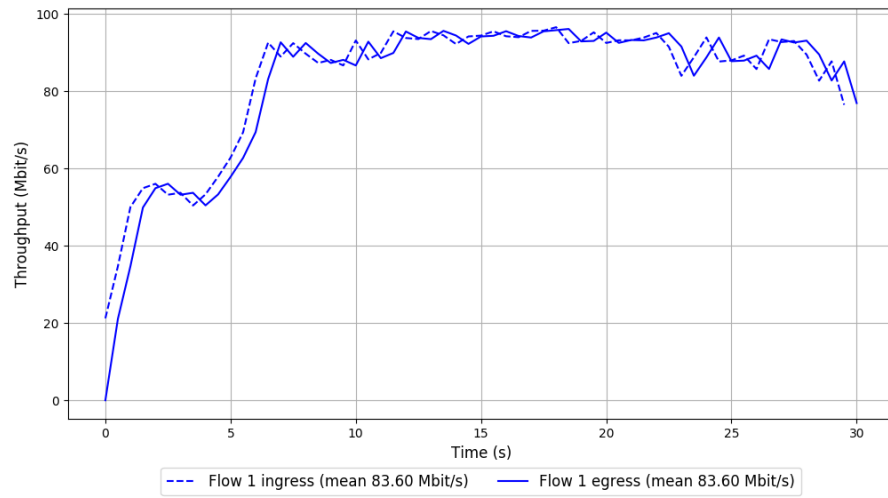
-- Flow 1:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 3.618 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-17 10:20:27

End at: 2018-07-17 10:20:57

Local clock offset: -7.865 ms

Remote clock offset: -5.562 ms

Below is generated by plot.py at 2018-07-17 12:18:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.41 Mbit/s

95th percentile per-packet one-way delay: 3.590 ms

Loss rate: 0.00%

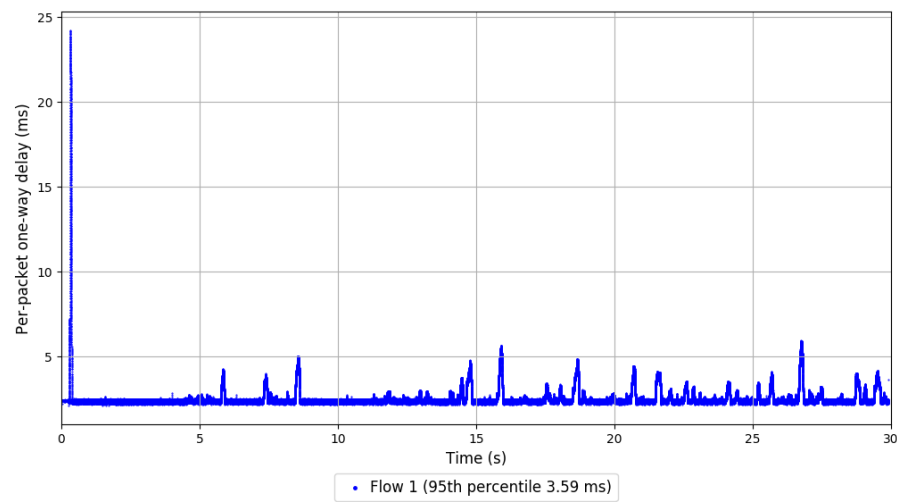
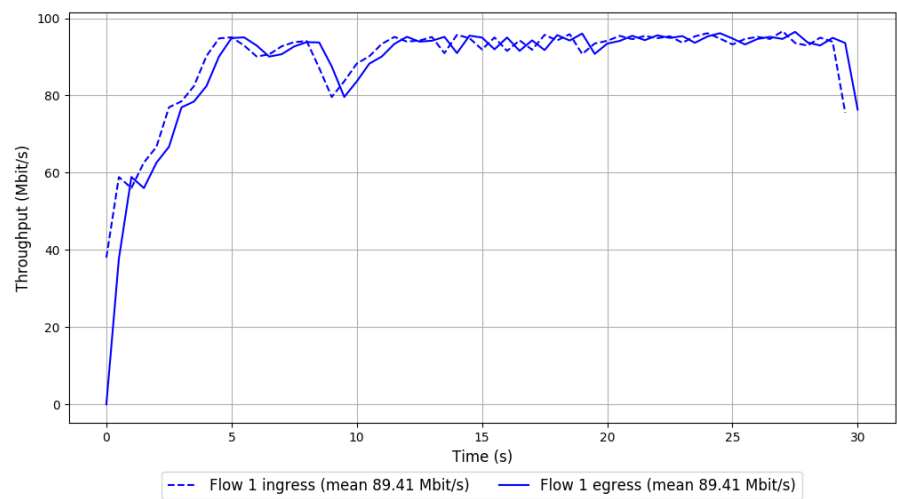
-- Flow 1:

Average throughput: 89.41 Mbit/s

95th percentile per-packet one-way delay: 3.590 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

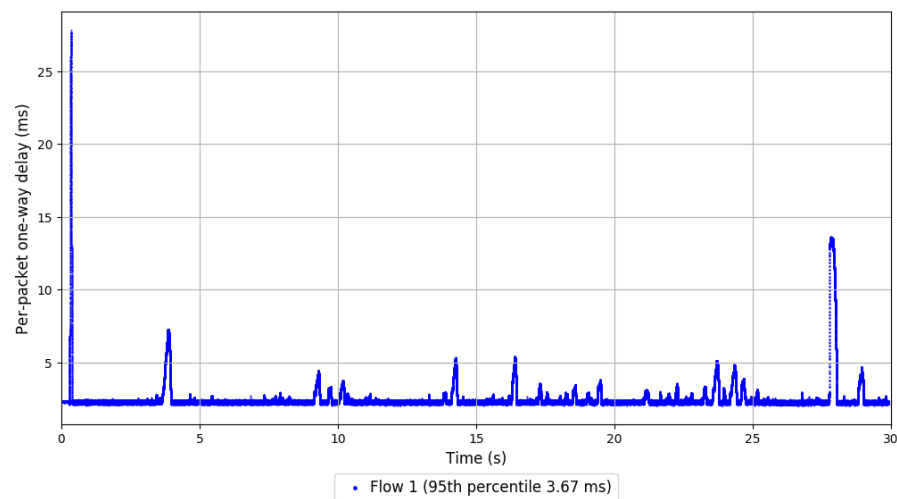
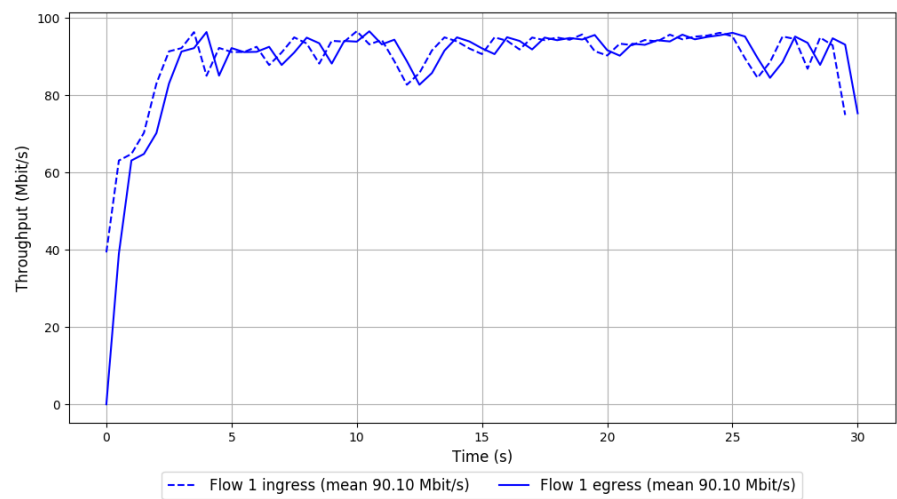


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-17 10:39:29
End at: 2018-07-17 10:39:59
Local clock offset: -6.871 ms
Remote clock offset: -2.874 ms

Below is generated by plot.py at 2018-07-17 12:18:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 3.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 3.672 ms
Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

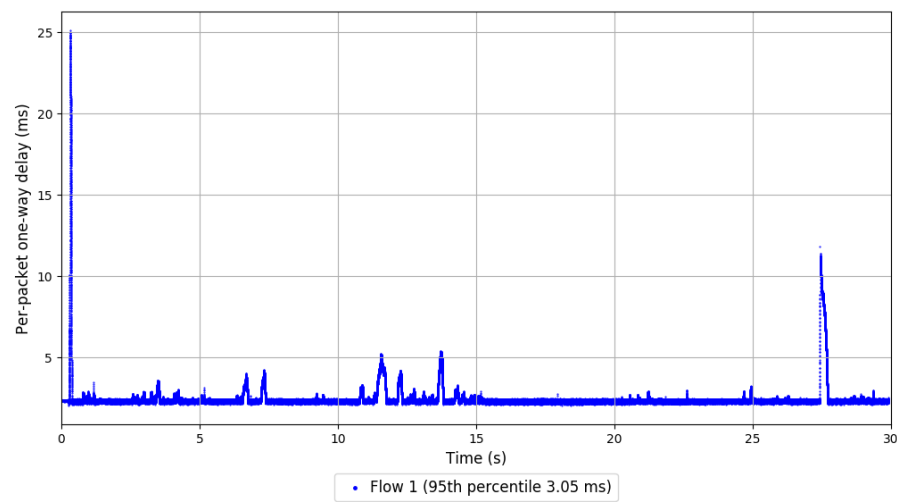
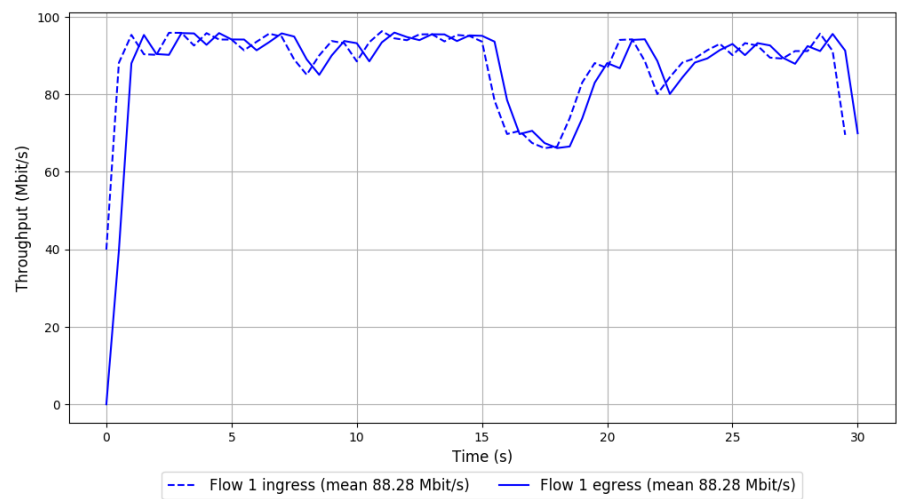


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-17 10:58:35
End at: 2018-07-17 10:59:06
Local clock offset: -6.919 ms
Remote clock offset: -1.882 ms

Below is generated by plot.py at 2018-07-17 12:18:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 3.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 3.052 ms
Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

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

End at: 2018-07-17 11:18:07

Local clock offset: -6.91 ms

Remote clock offset: -1.736 ms

Below is generated by plot.py at 2018-07-17 12:18:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 3.438 ms

Loss rate: 0.00%

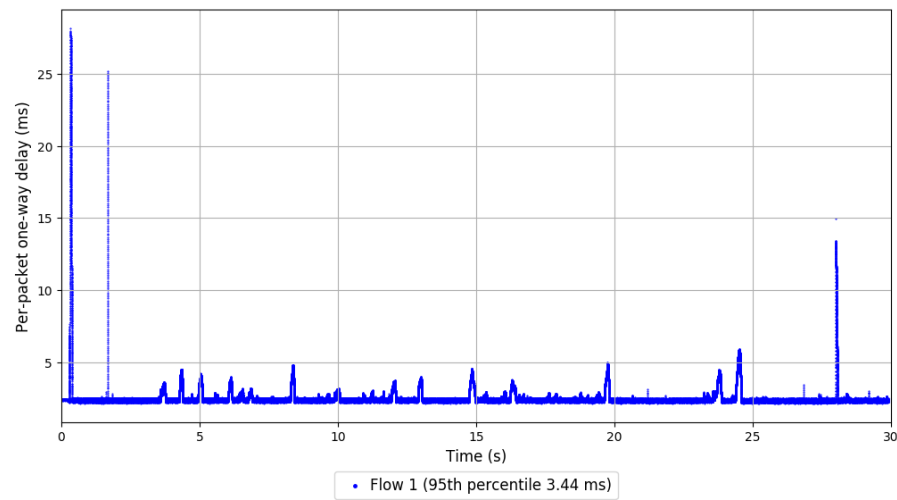
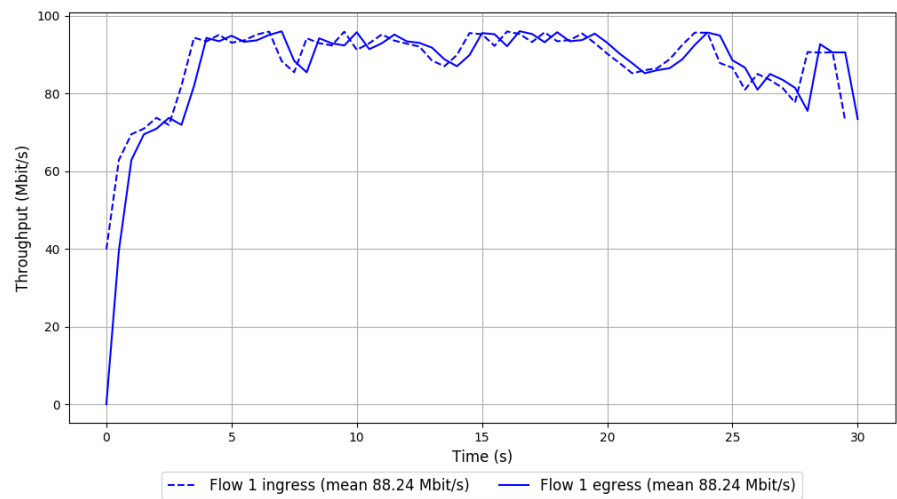
-- Flow 1:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 3.438 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link

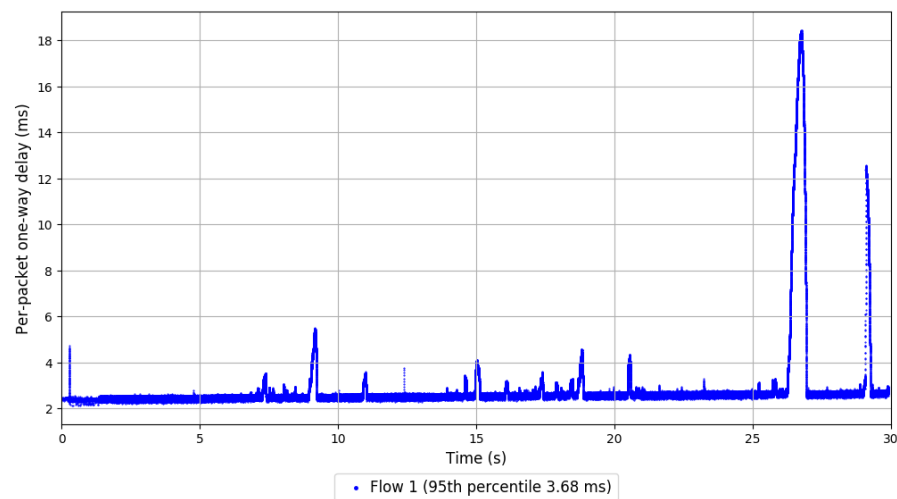
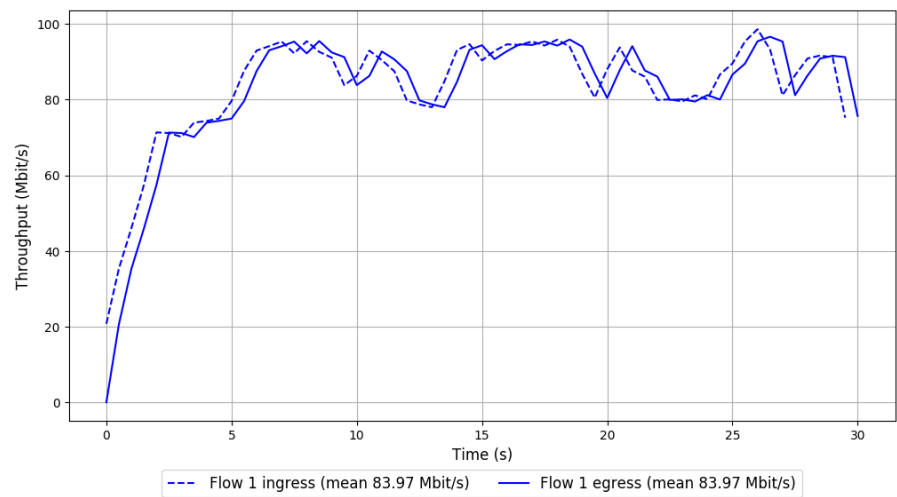


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-17 11:36:39
End at: 2018-07-17 11:37:09
Local clock offset: -6.342 ms
Remote clock offset: -3.589 ms

Below is generated by plot.py at 2018-07-17 12:19:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 3.678 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 3.678 ms
Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

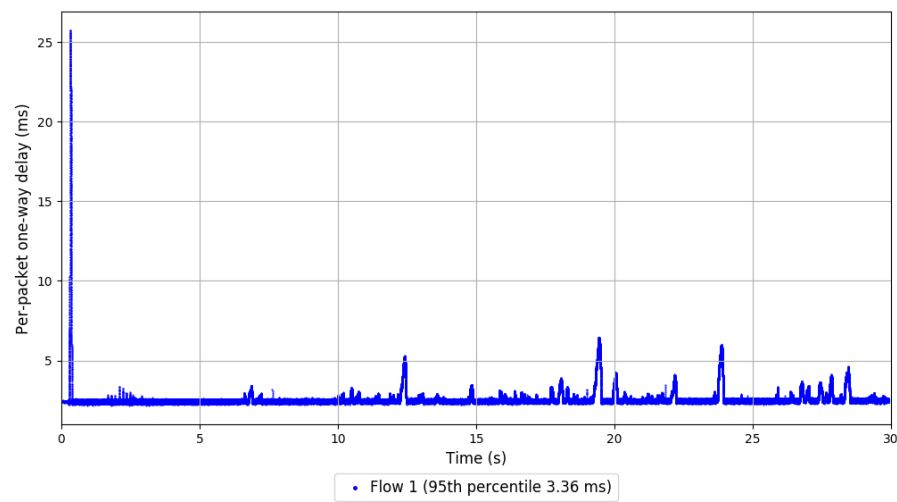
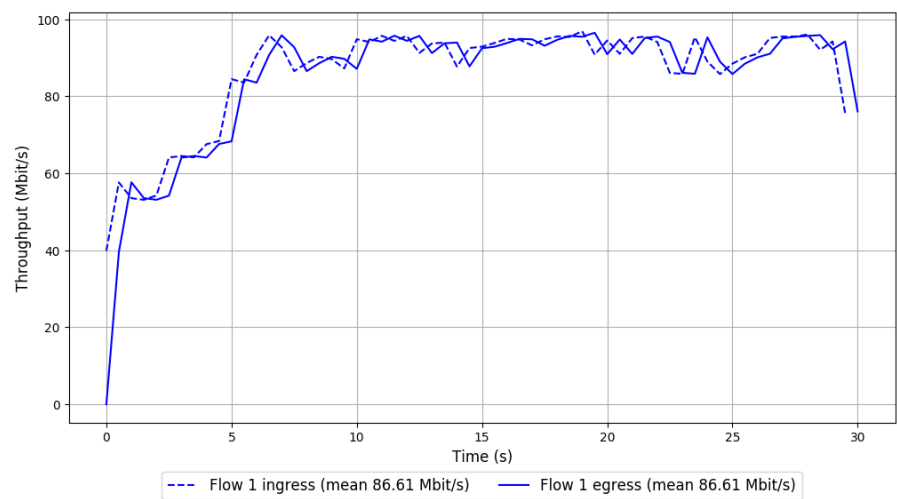


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-17 11:55:40
End at: 2018-07-17 11:56:10
Local clock offset: -6.186 ms
Remote clock offset: -7.982 ms

Below is generated by plot.py at 2018-07-17 12:19:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 3.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 3.358 ms
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-17 09:05:26

End at: 2018-07-17 09:05:56

Local clock offset: 4.49 ms

Remote clock offset: -6.731 ms

Below is generated by plot.py at 2018-07-17 12:20:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 18.081 ms

Loss rate: 0.07%

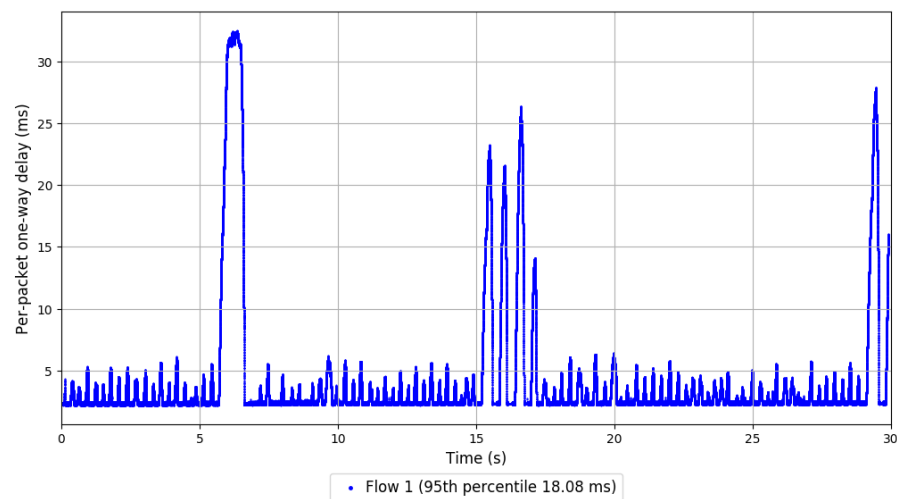
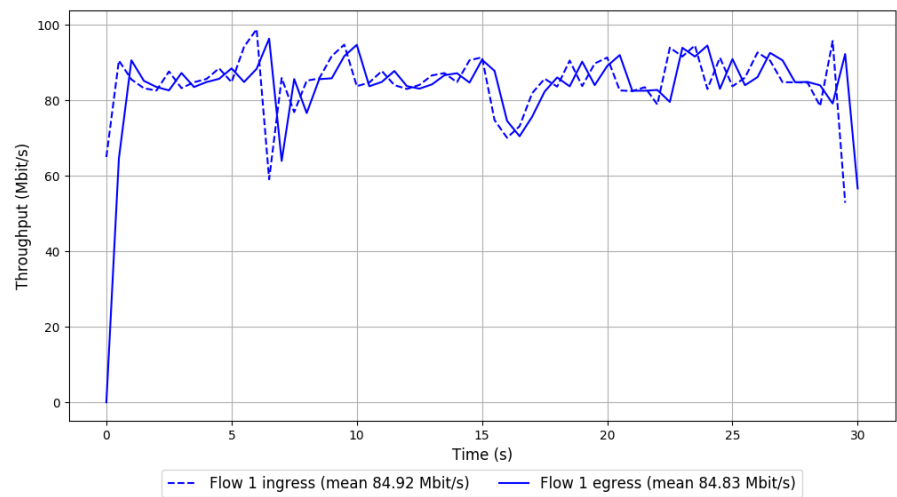
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 18.081 ms

Loss rate: 0.07%

Run 1: Report of PCC-Expr — Data Link

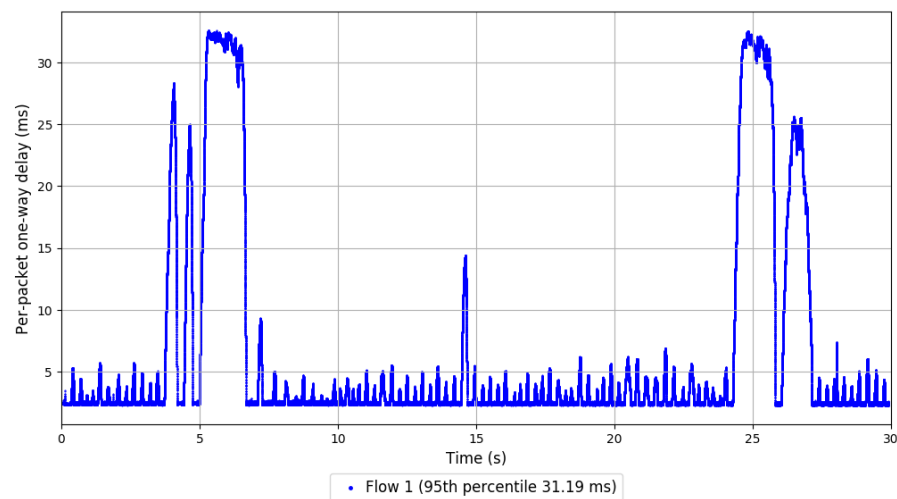
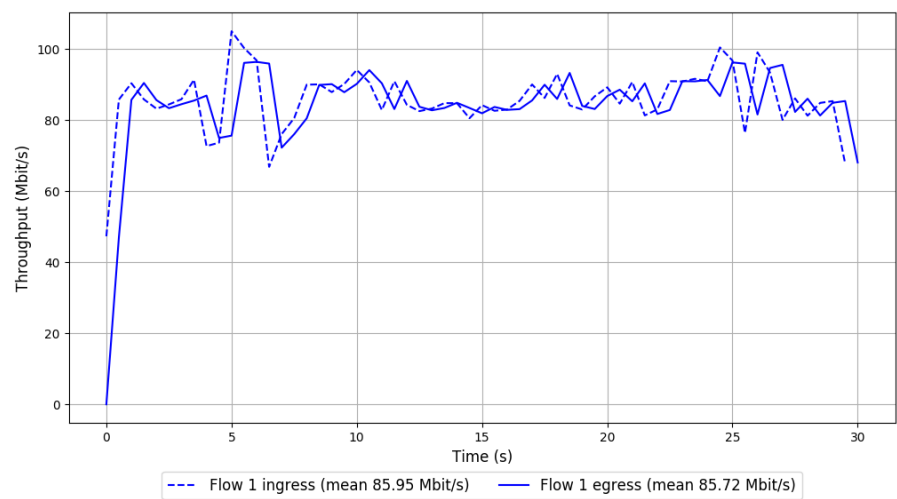


Run 2: Statistics of PCC-Expr

Start at: 2018-07-17 09:24:29
End at: 2018-07-17 09:24:59
Local clock offset: 7.383 ms
Remote clock offset: -3.713 ms

Below is generated by plot.py at 2018-07-17 12:20:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 0.26%

Run 2: Report of PCC-Expr — Data Link

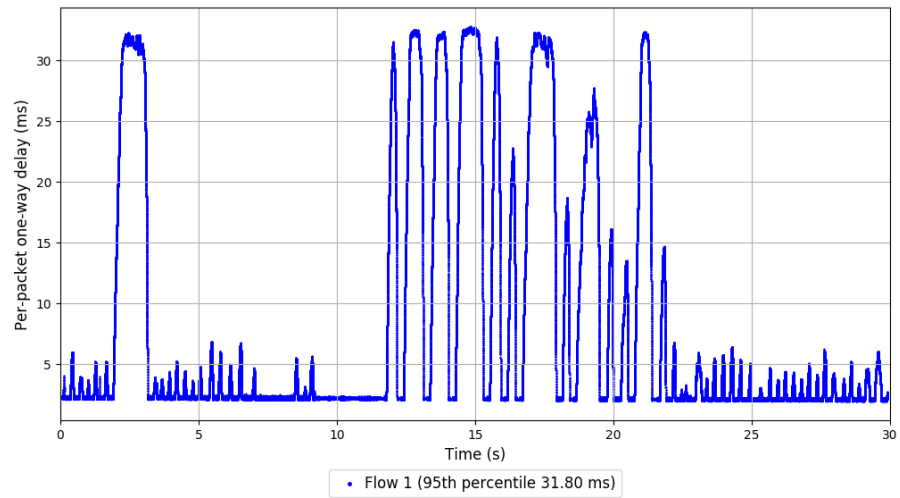
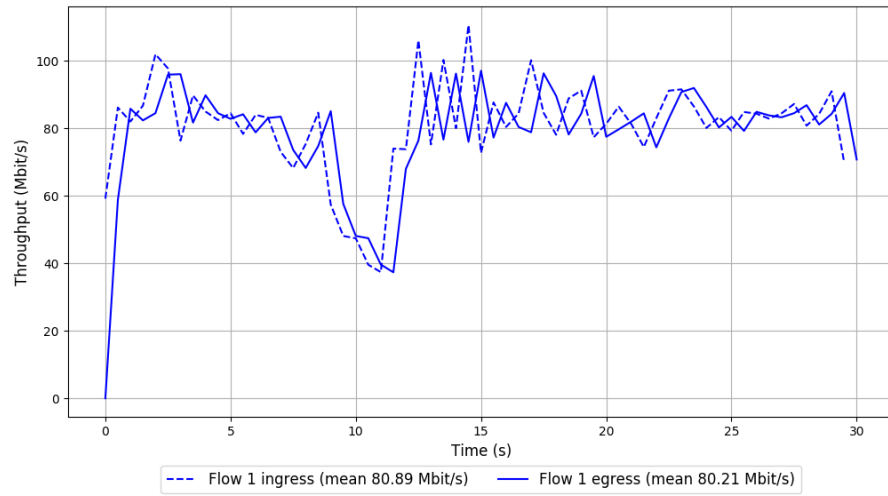


Run 3: Statistics of PCC-Expr

Start at: 2018-07-17 09:43:30
End at: 2018-07-17 09:44:00
Local clock offset: -6.212 ms
Remote clock offset: -1.083 ms

Below is generated by plot.py at 2018-07-17 12:20:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.84%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-17 10:02:32

End at: 2018-07-17 10:03:02

Local clock offset: -7.69 ms

Remote clock offset: -4.354 ms

Below is generated by plot.py at 2018-07-17 12:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 5.205 ms

Loss rate: 0.00%

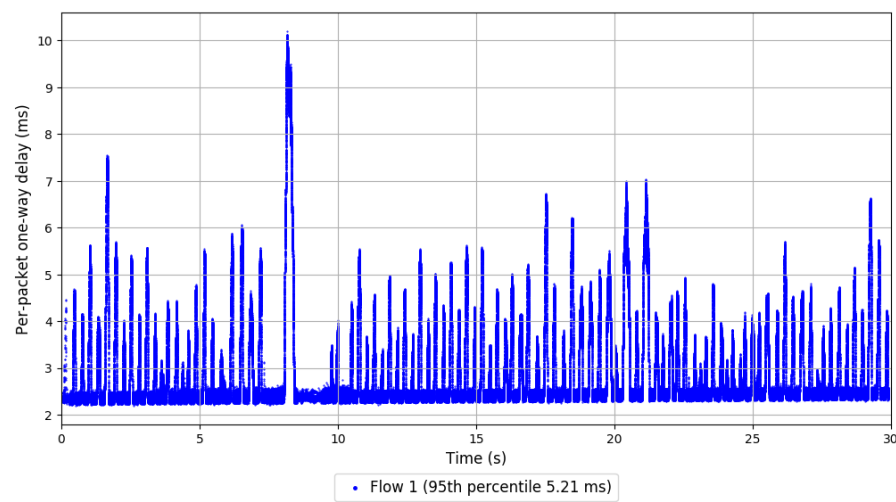
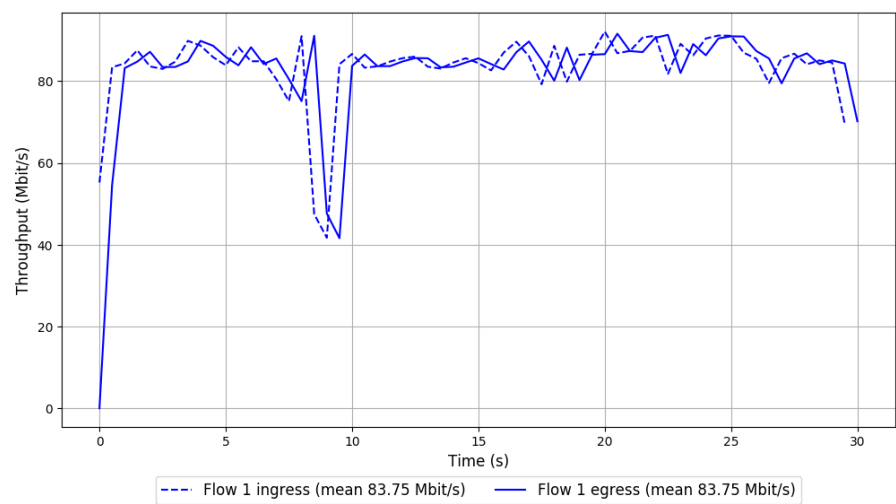
-- Flow 1:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 5.205 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

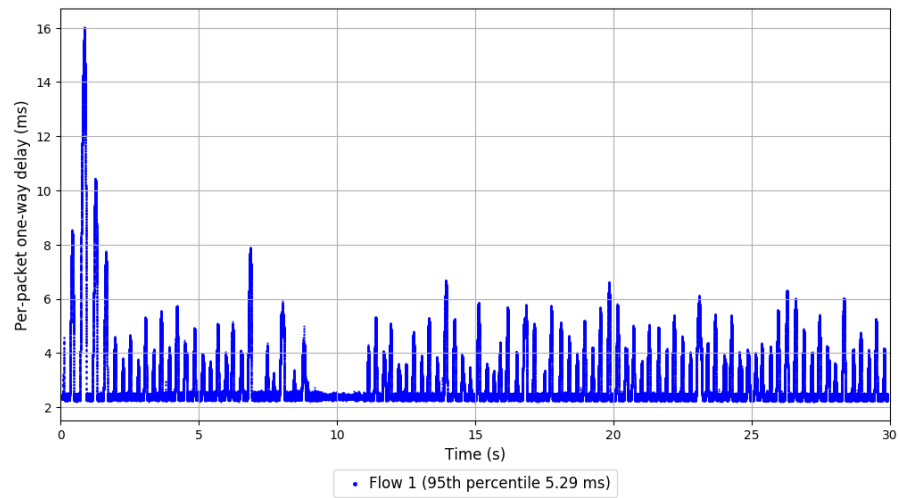
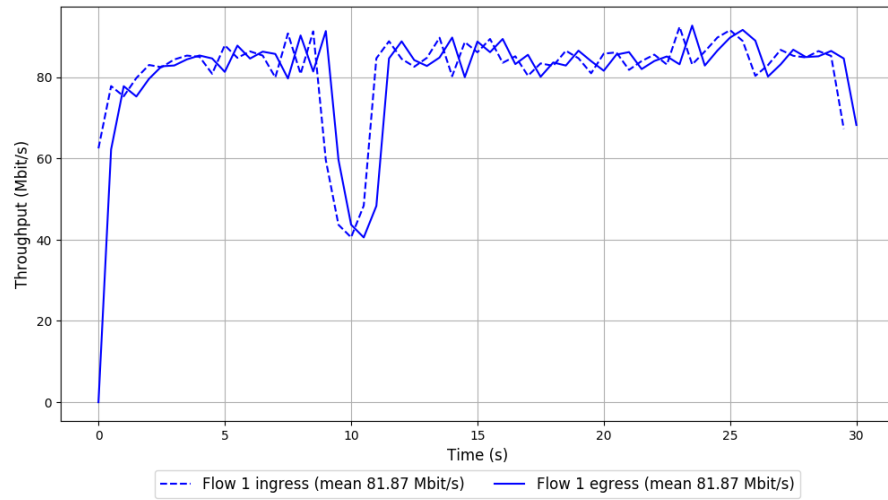


Run 5: Statistics of PCC-Expr

Start at: 2018-07-17 10:21:33
End at: 2018-07-17 10:22:03
Local clock offset: -7.851 ms
Remote clock offset: -5.536 ms

Below is generated by plot.py at 2018-07-17 12:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 5.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 5.292 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

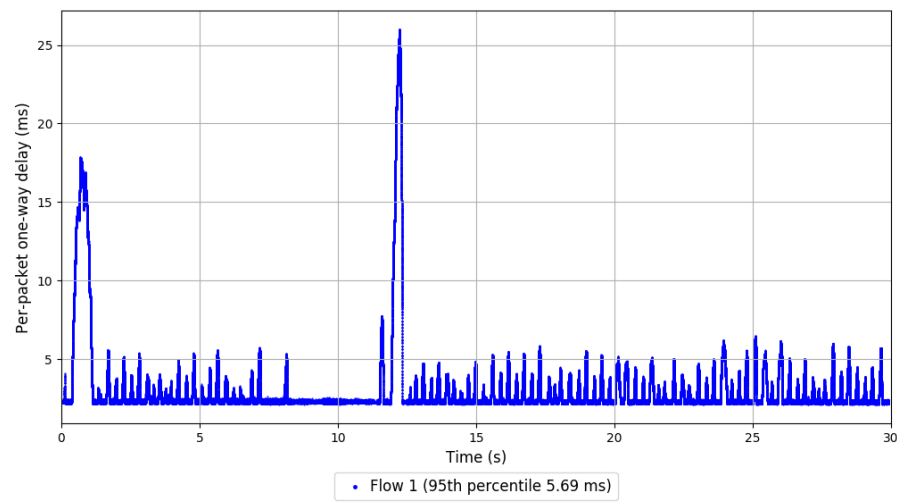
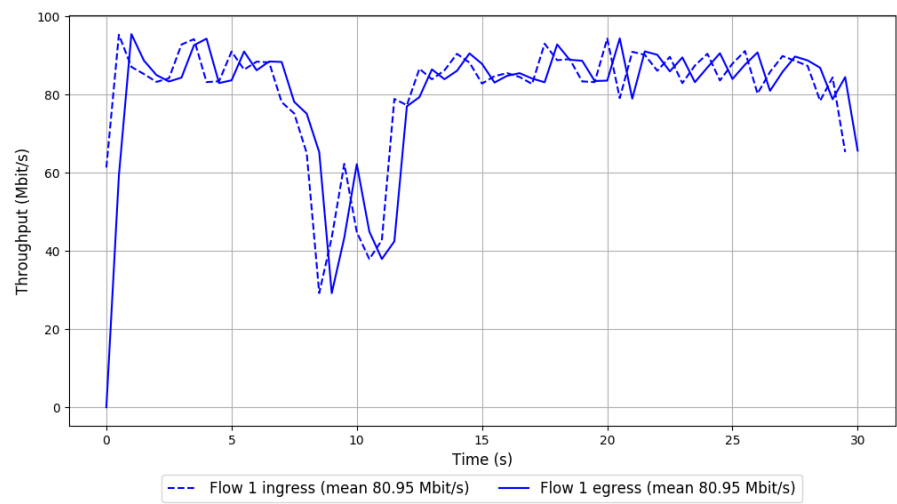


Run 6: Statistics of PCC-Expr

Start at: 2018-07-17 10:40:35
End at: 2018-07-17 10:41:05
Local clock offset: -6.854 ms
Remote clock offset: -2.778 ms

Below is generated by plot.py at 2018-07-17 12:20:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: 5.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: 5.688 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-17 10:59:41

End at: 2018-07-17 11:00:12

Local clock offset: -6.935 ms

Remote clock offset: -1.78 ms

Below is generated by plot.py at 2018-07-17 12:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.18 Mbit/s

95th percentile per-packet one-way delay: 10.779 ms

Loss rate: 0.13%

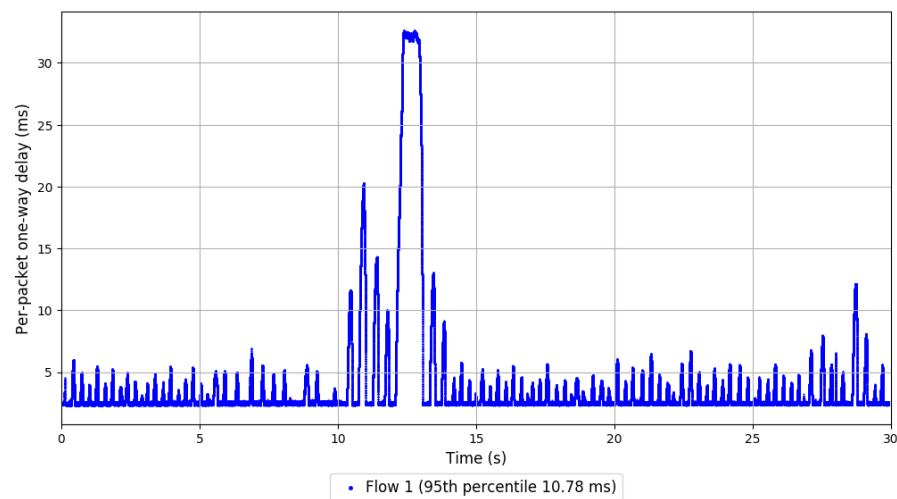
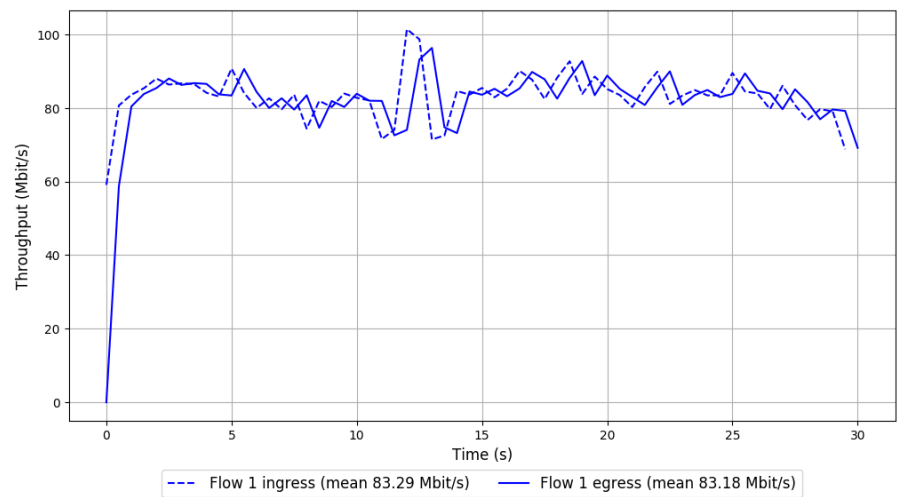
-- Flow 1:

Average throughput: 83.18 Mbit/s

95th percentile per-packet one-way delay: 10.779 ms

Loss rate: 0.13%

Run 7: Report of PCC-Expr — Data Link

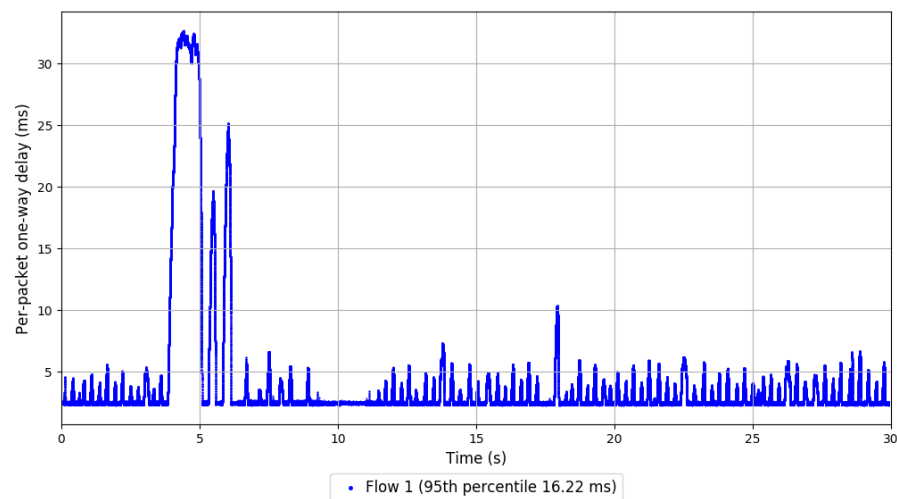
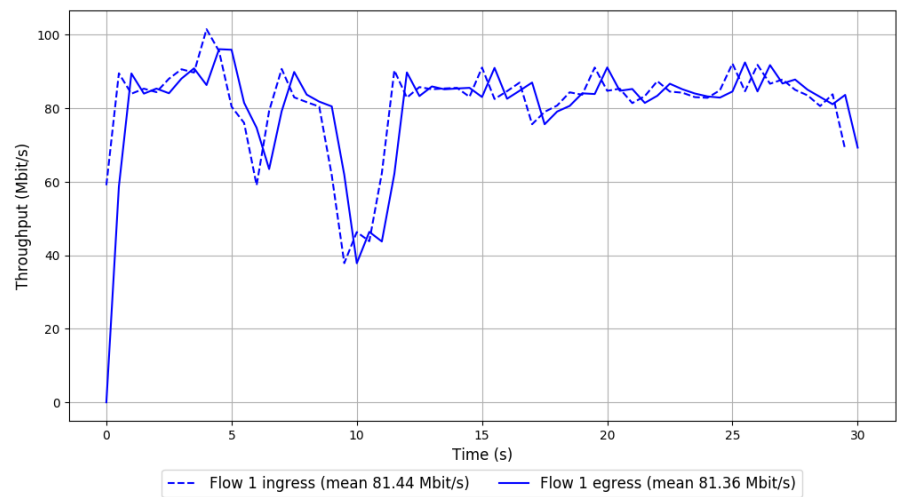


Run 8: Statistics of PCC-Expr

Start at: 2018-07-17 11:18:43
End at: 2018-07-17 11:19:13
Local clock offset: -6.99 ms
Remote clock offset: -1.704 ms

Below is generated by plot.py at 2018-07-17 12:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: 16.217 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: 16.217 ms
Loss rate: 0.09%

Run 8: Report of PCC-Expr — Data Link

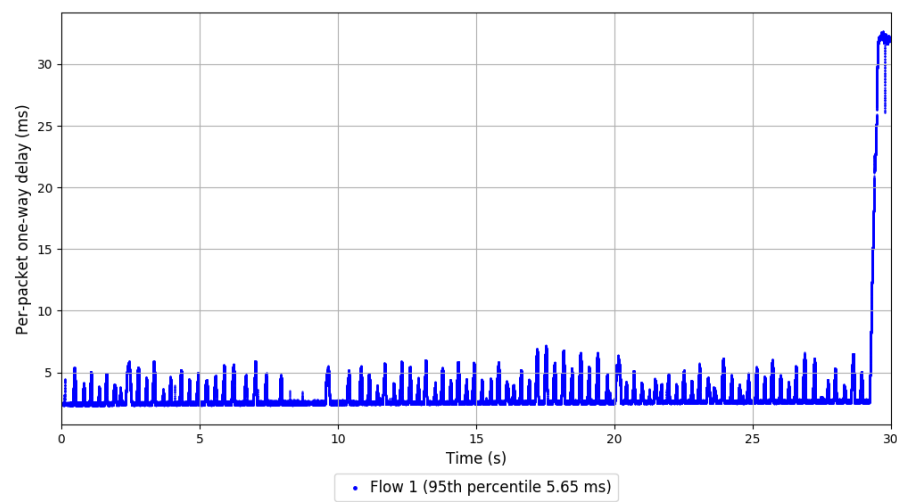
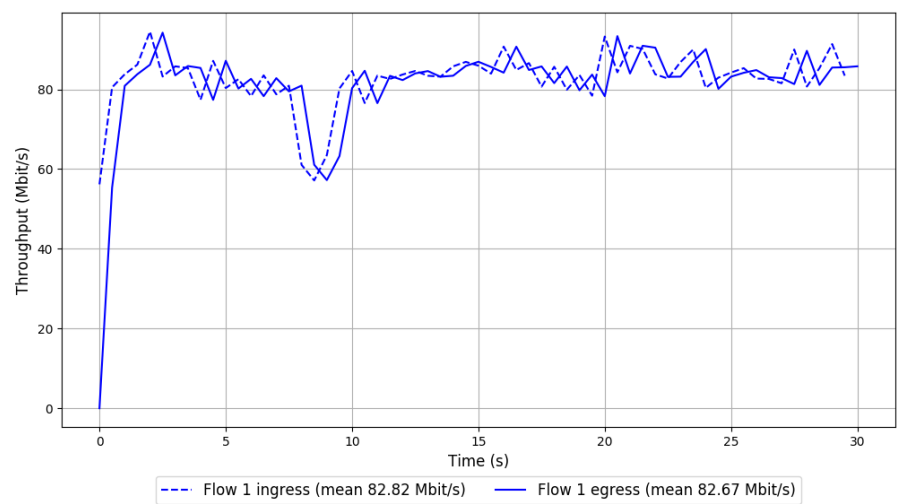


Run 9: Statistics of PCC-Expr

Start at: 2018-07-17 11:37:45
End at: 2018-07-17 11:38:15
Local clock offset: -6.296 ms
Remote clock offset: -4.065 ms

Below is generated by plot.py at 2018-07-17 12:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 5.652 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 5.652 ms
Loss rate: 0.08%

Run 9: Report of PCC-Expr — Data Link

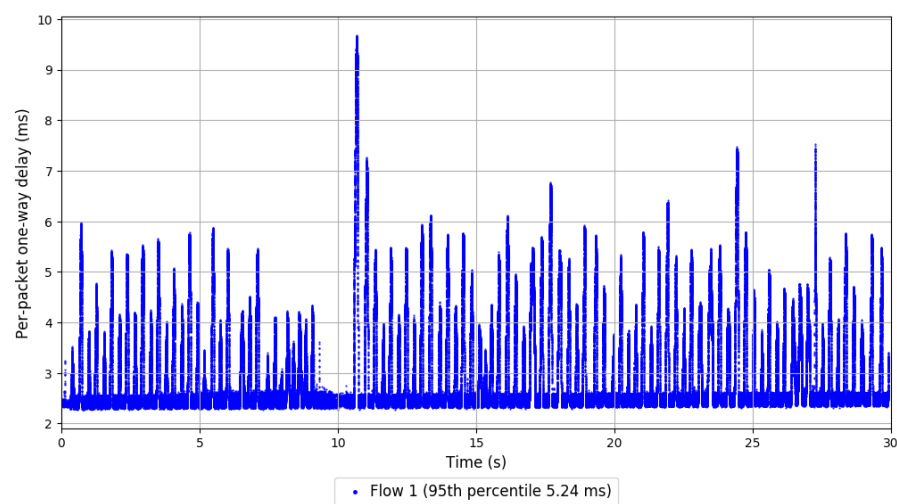
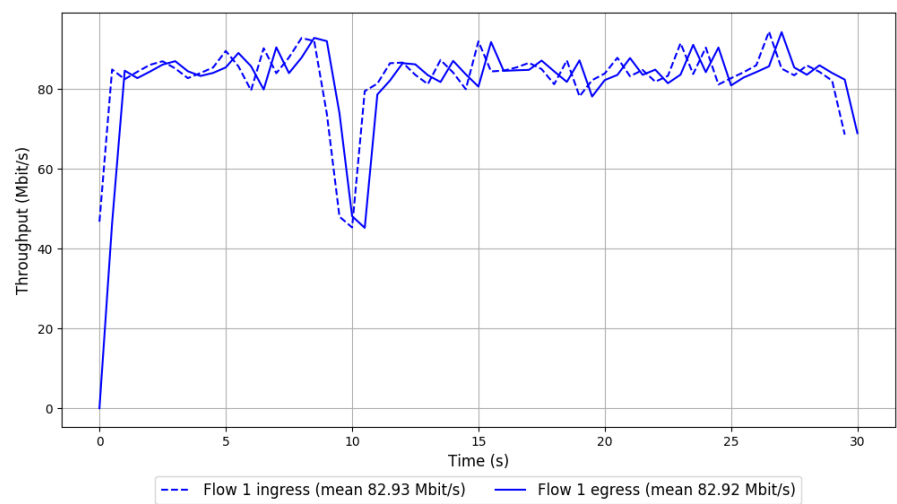


Run 10: Statistics of PCC-Expr

Start at: 2018-07-17 11:56:46
End at: 2018-07-17 11:57:16
Local clock offset: -6.216 ms
Remote clock offset: -8.173 ms

Below is generated by plot.py at 2018-07-17 12:22:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 5.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 5.238 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

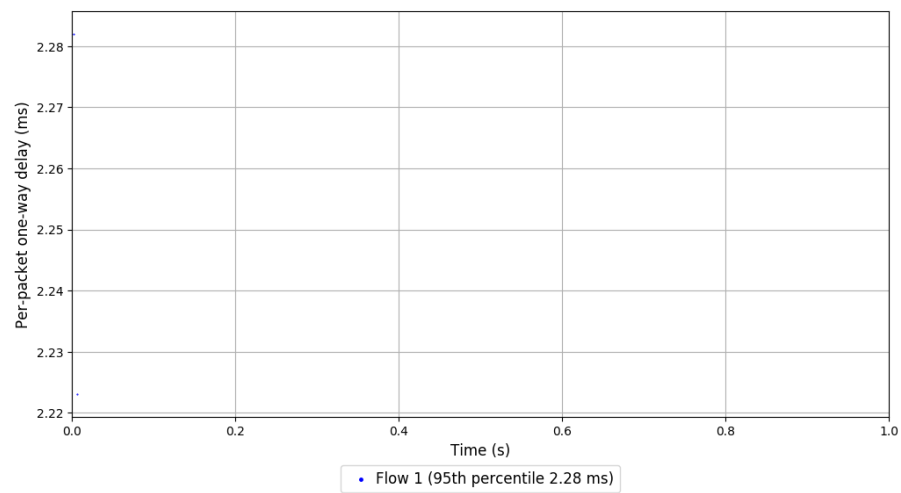
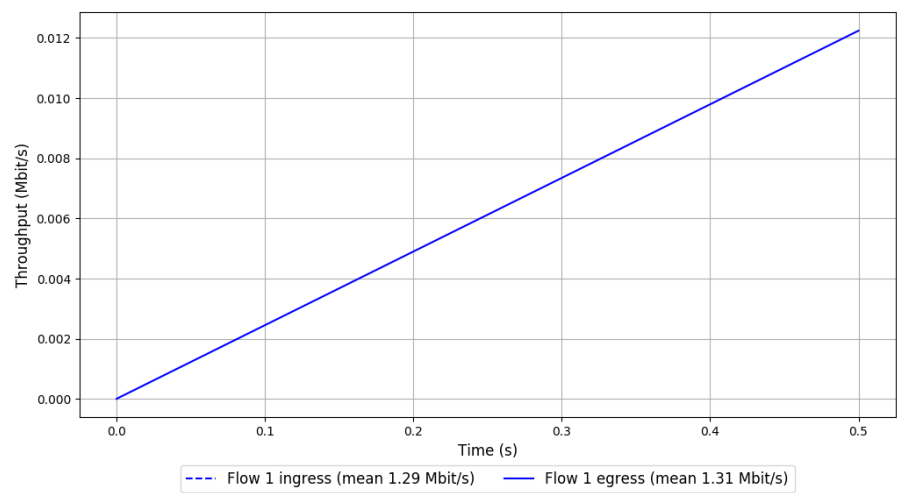
Start at: 2018-07-17 09:02:10

End at: 2018-07-17 09:02:40

Local clock offset: 3.968 ms

Remote clock offset: -6.681 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-17 09:21:09

End at: 2018-07-17 09:21:39

Local clock offset: 6.896 ms

Remote clock offset: -4.602 ms

Below is generated by plot.py at 2018-07-17 12:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 13.300 ms

Loss rate: 0.28%

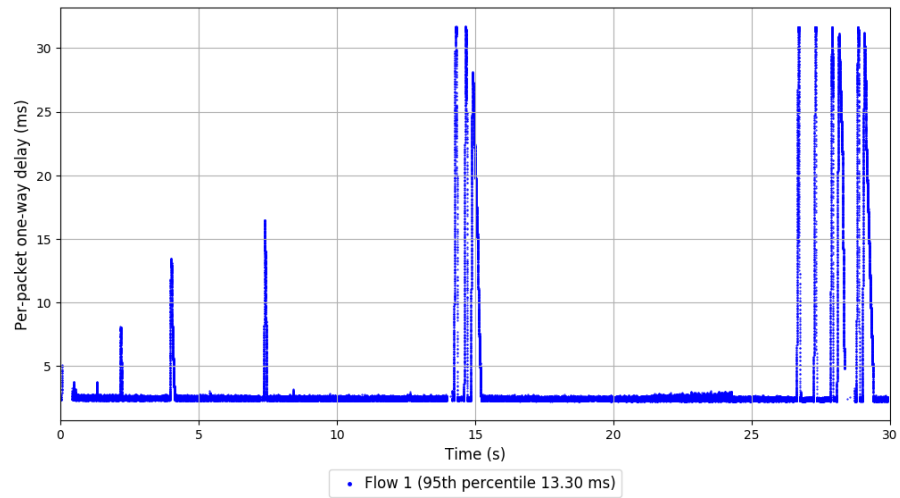
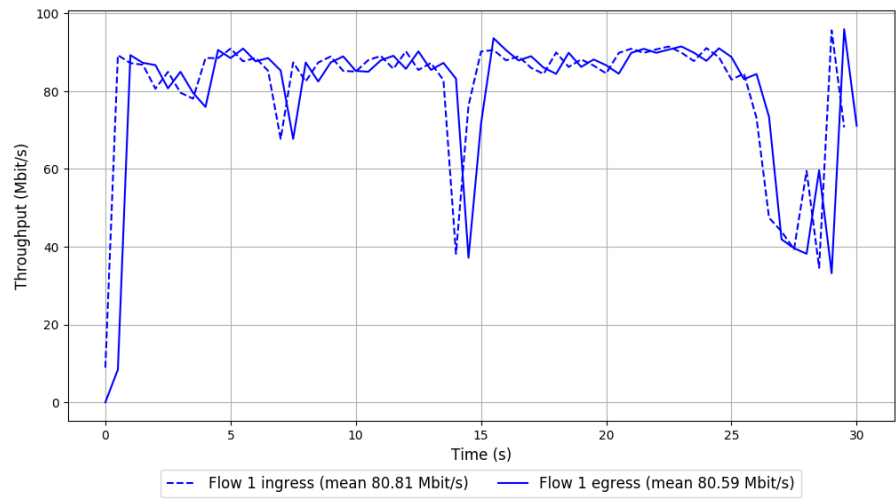
-- Flow 1:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 13.300 ms

Loss rate: 0.28%

Run 2: Report of QUIC Cubic — Data Link

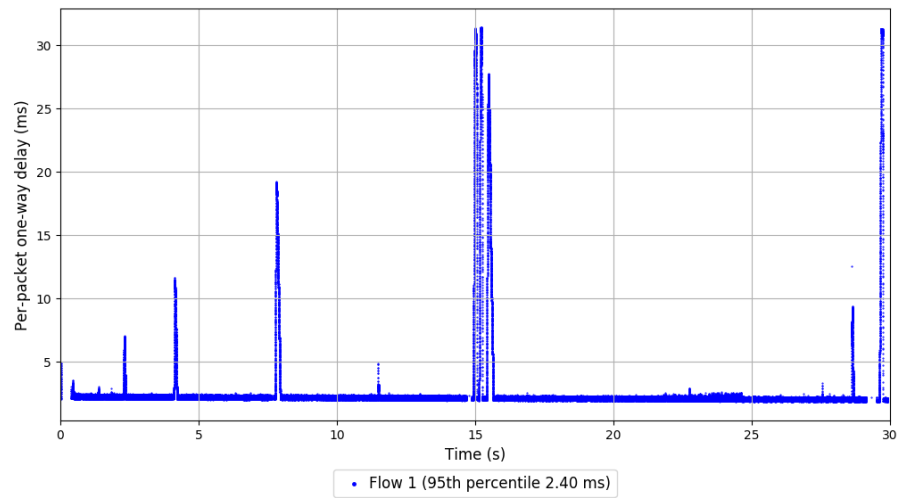
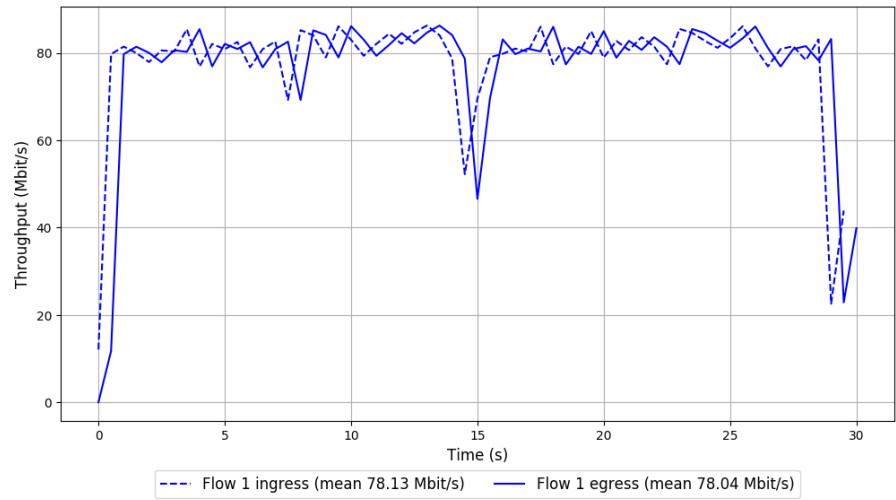


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-17 09:40:11
End at: 2018-07-17 09:40:41
Local clock offset: -5.092 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-07-17 12:22:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 2.400 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 2.400 ms
Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-17 09:59:12

End at: 2018-07-17 09:59:42

Local clock offset: -7.997 ms

Remote clock offset: -3.672 ms

Below is generated by plot.py at 2018-07-17 12:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 2.732 ms

Loss rate: 0.13%

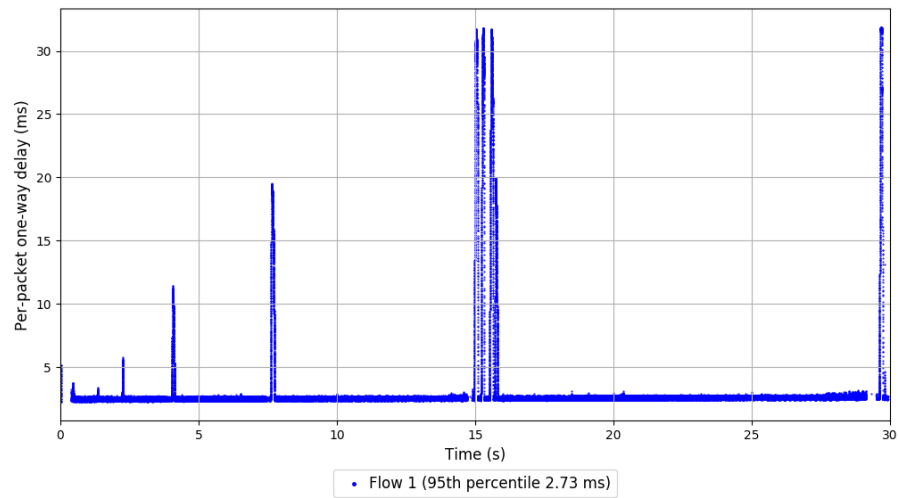
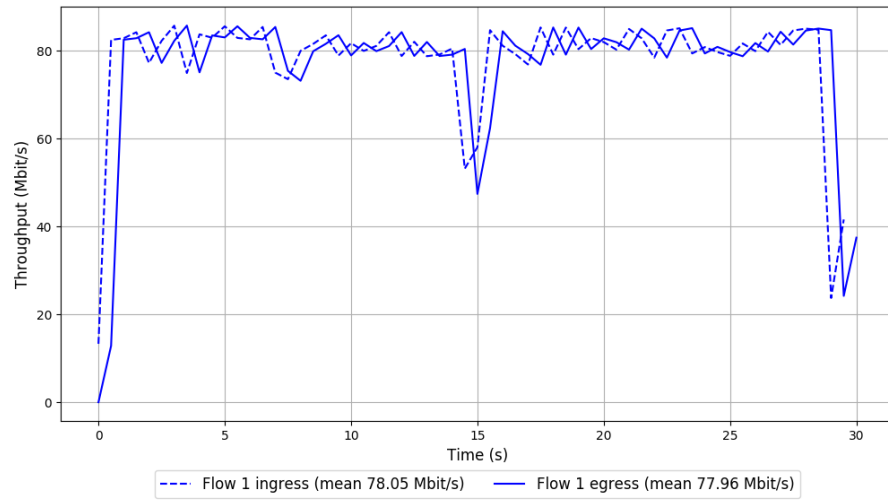
-- Flow 1:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 2.732 ms

Loss rate: 0.13%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-17 10:18:14

End at: 2018-07-17 10:18:44

Local clock offset: -7.679 ms

Remote clock offset: -5.499 ms

Below is generated by plot.py at 2018-07-17 12:22:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.14 Mbit/s

95th percentile per-packet one-way delay: 10.291 ms

Loss rate: 0.42%

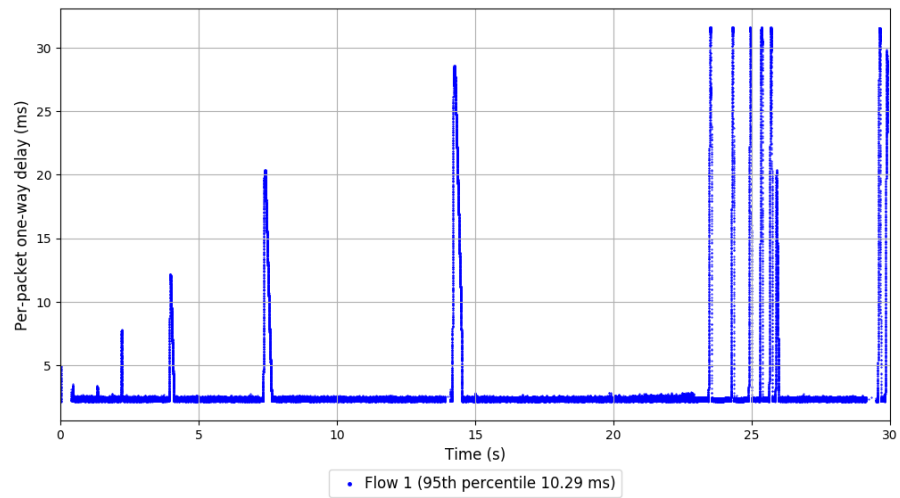
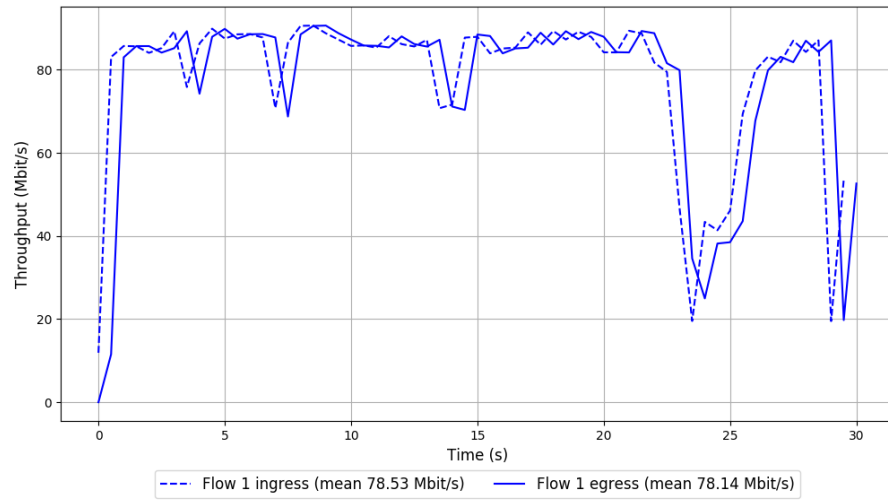
-- Flow 1:

Average throughput: 78.14 Mbit/s

95th percentile per-packet one-way delay: 10.291 ms

Loss rate: 0.42%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-17 10:37:15

End at: 2018-07-17 10:37:45

Local clock offset: -6.977 ms

Remote clock offset: -3.029 ms

Below is generated by plot.py at 2018-07-17 12:22:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.19 Mbit/s

95th percentile per-packet one-way delay: 4.943 ms

Loss rate: 0.27%

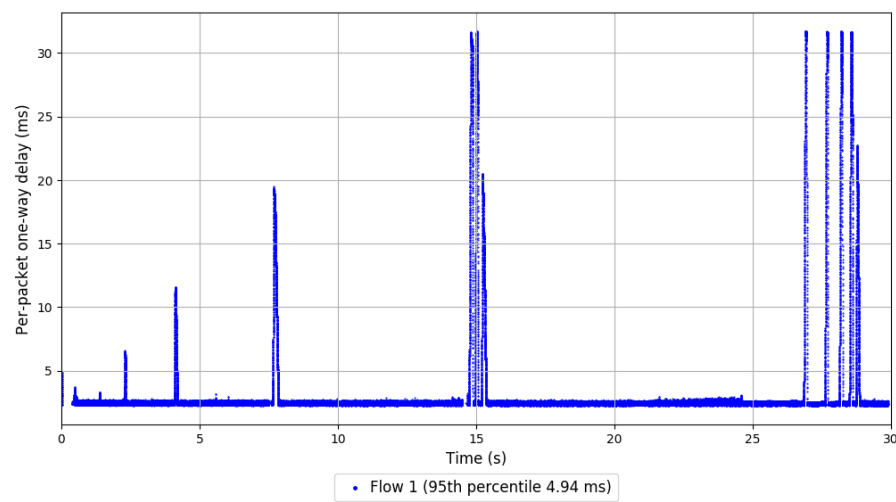
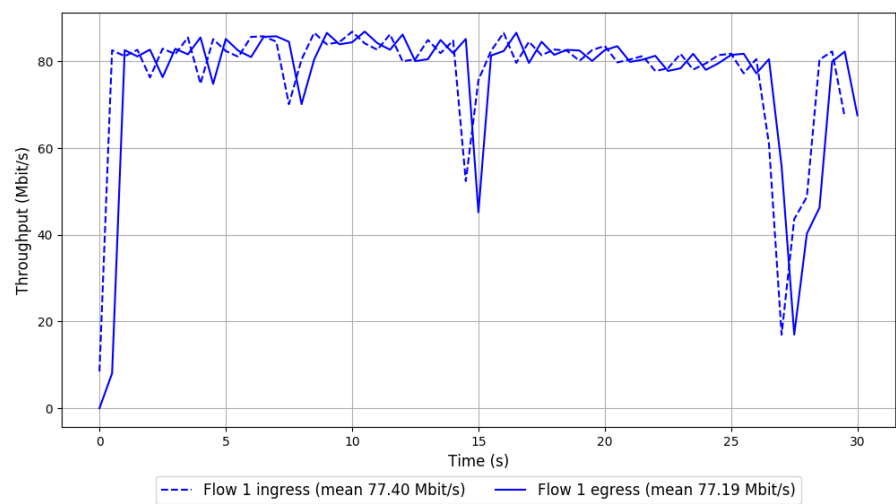
-- Flow 1:

Average throughput: 77.19 Mbit/s

95th percentile per-packet one-way delay: 4.943 ms

Loss rate: 0.27%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-17 10:56:22

End at: 2018-07-17 10:56:52

Local clock offset: -7.0 ms

Remote clock offset: -1.919 ms

Below is generated by plot.py at 2018-07-17 12:22:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.23 Mbit/s

95th percentile per-packet one-way delay: 4.617 ms

Loss rate: 0.41%

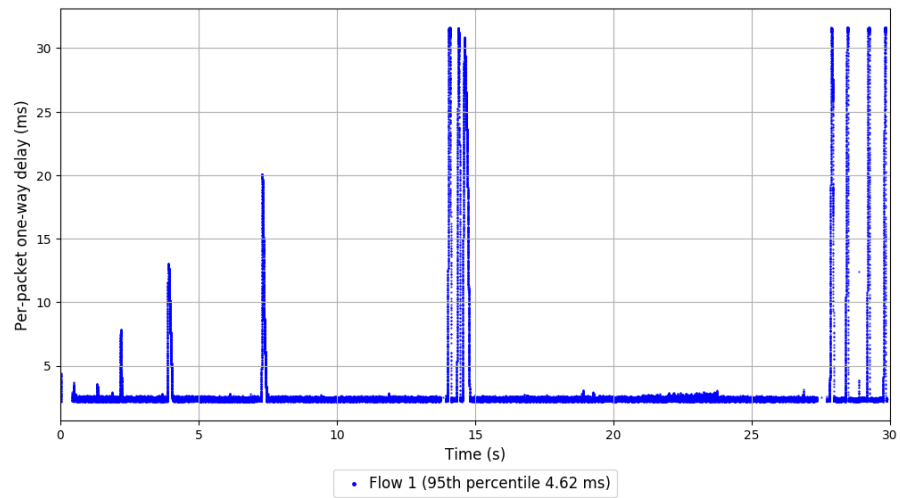
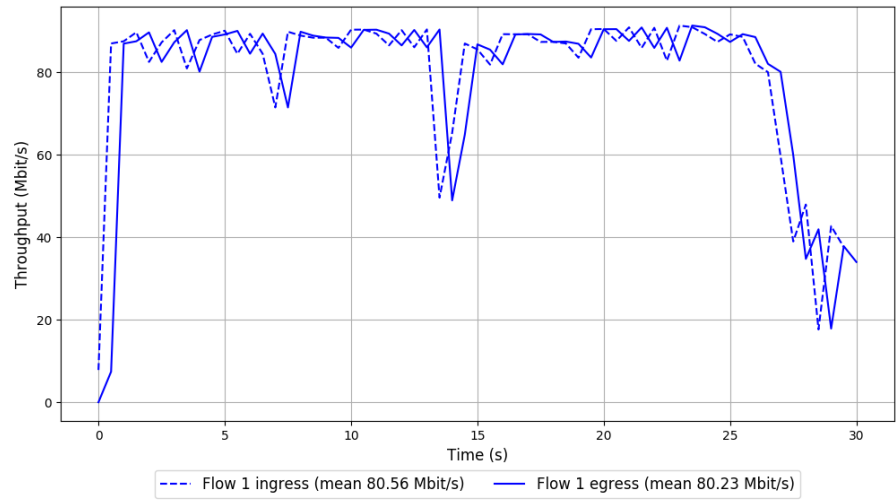
-- Flow 1:

Average throughput: 80.23 Mbit/s

95th percentile per-packet one-way delay: 4.617 ms

Loss rate: 0.41%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-17 11:15:24

End at: 2018-07-17 11:15:54

Local clock offset: -6.863 ms

Remote clock offset: -1.872 ms

Below is generated by plot.py at 2018-07-17 12:22:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 2.491 ms

Loss rate: 0.22%

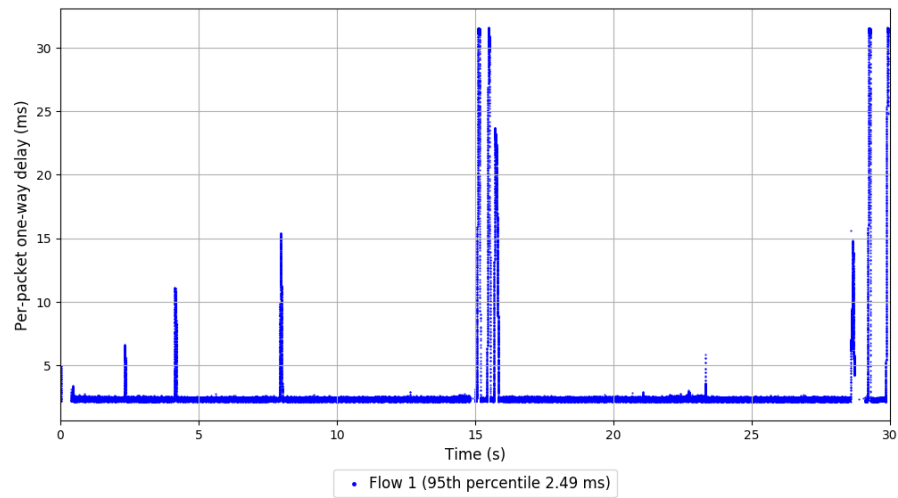
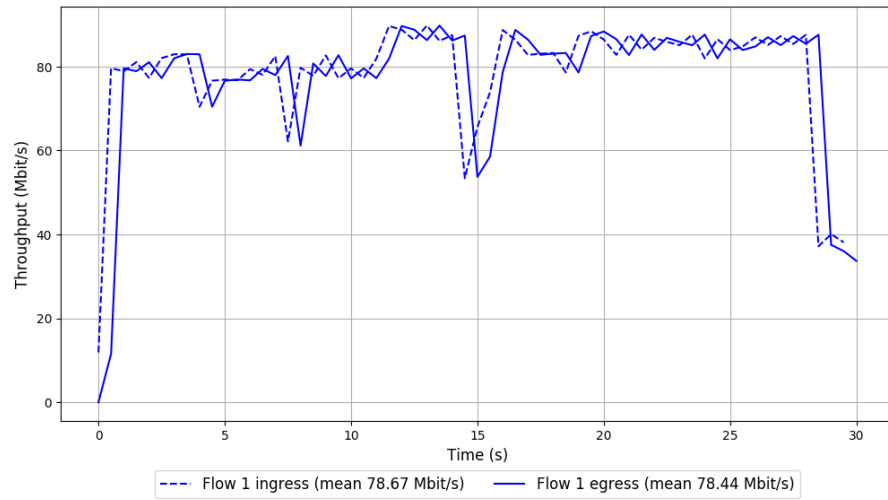
-- Flow 1:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 2.491 ms

Loss rate: 0.22%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-17 11:34:26

End at: 2018-07-17 11:34:56

Local clock offset: -6.42 ms

Remote clock offset: -2.278 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 2.936 ms

Loss rate: 0.06%

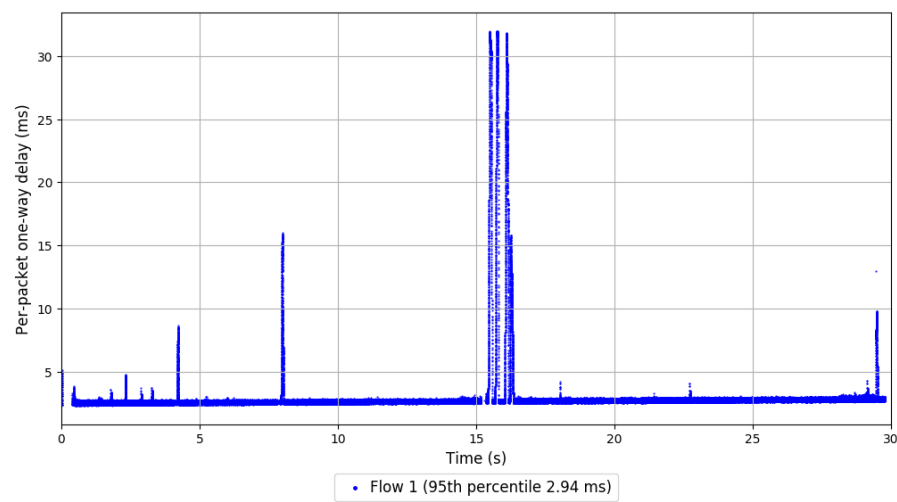
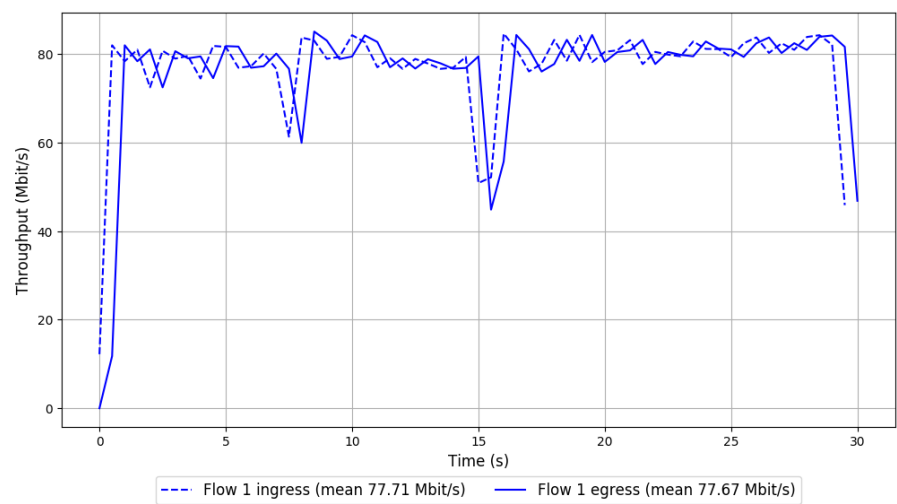
-- Flow 1:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 2.936 ms

Loss rate: 0.06%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-17 11:53:27

End at: 2018-07-17 11:53:57

Local clock offset: -6.243 ms

Remote clock offset: -7.713 ms

Below is generated by plot.py at 2018-07-17 12:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 9.738 ms

Loss rate: 0.20%

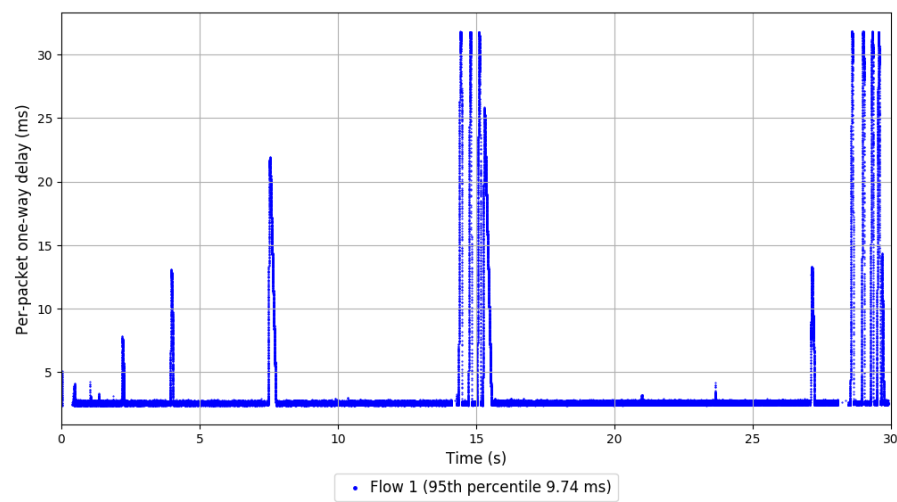
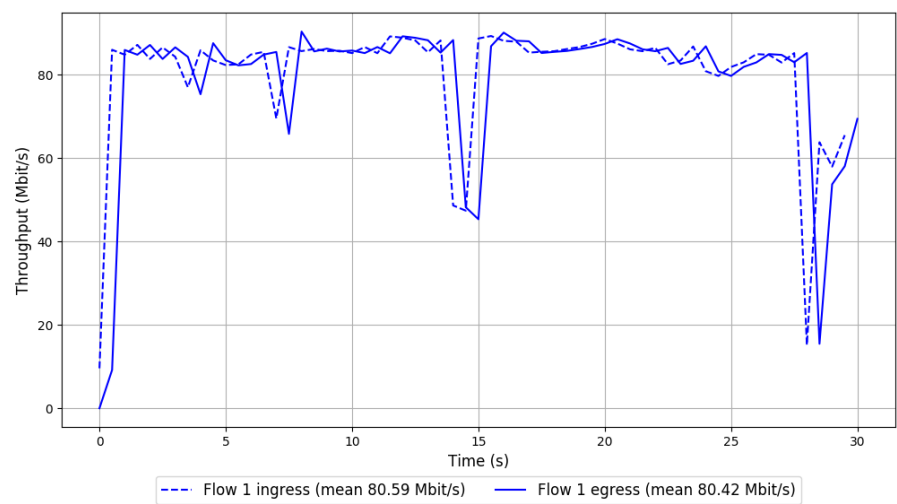
-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 9.738 ms

Loss rate: 0.20%

Run 10: Report of QUIC Cubic — Data Link

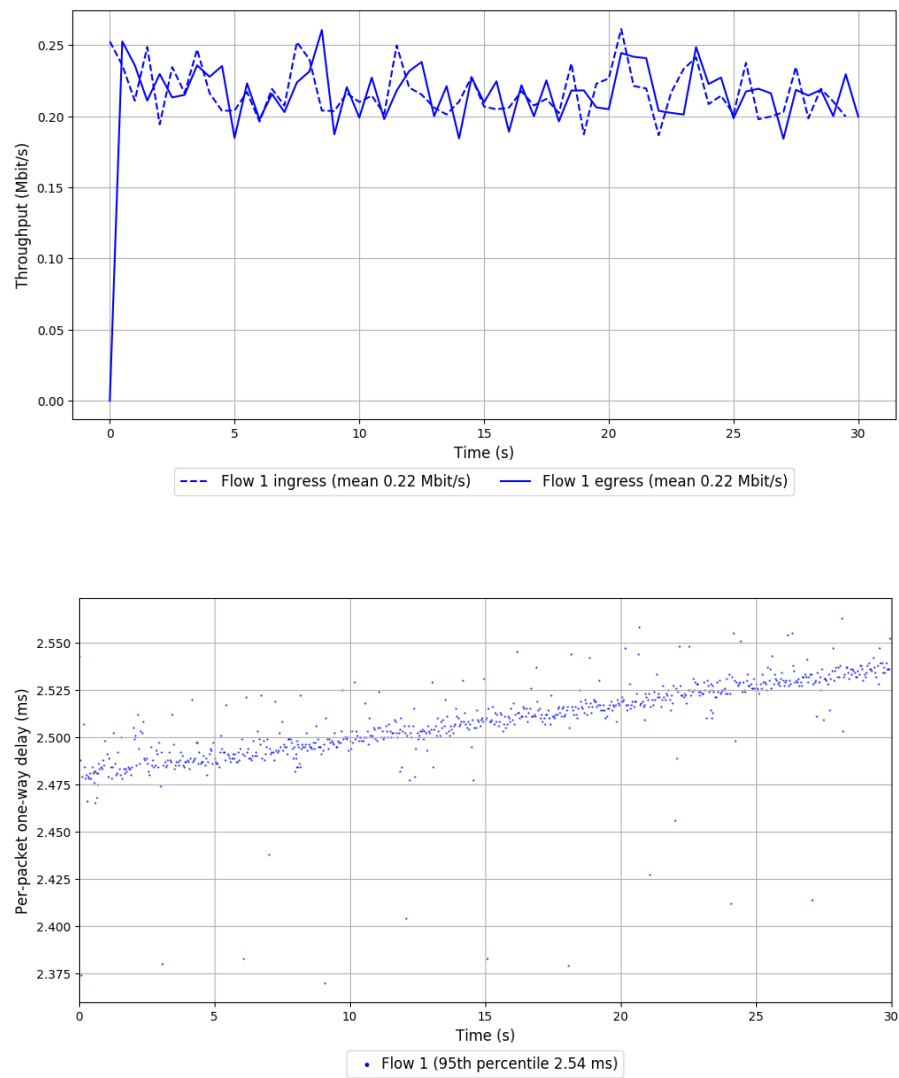


Run 1: Statistics of SCReAM

Start at: 2018-07-17 08:56:39
End at: 2018-07-17 08:57:09
Local clock offset: 3.134 ms
Remote clock offset: -6.776 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.536 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

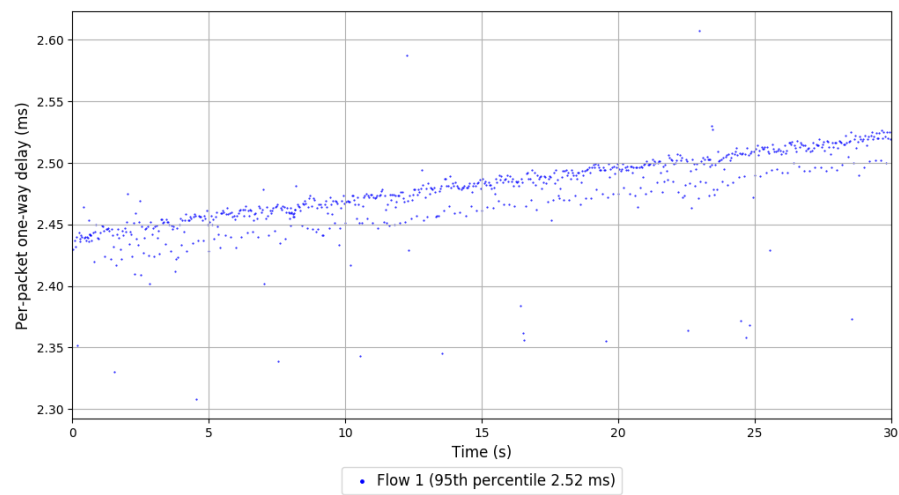
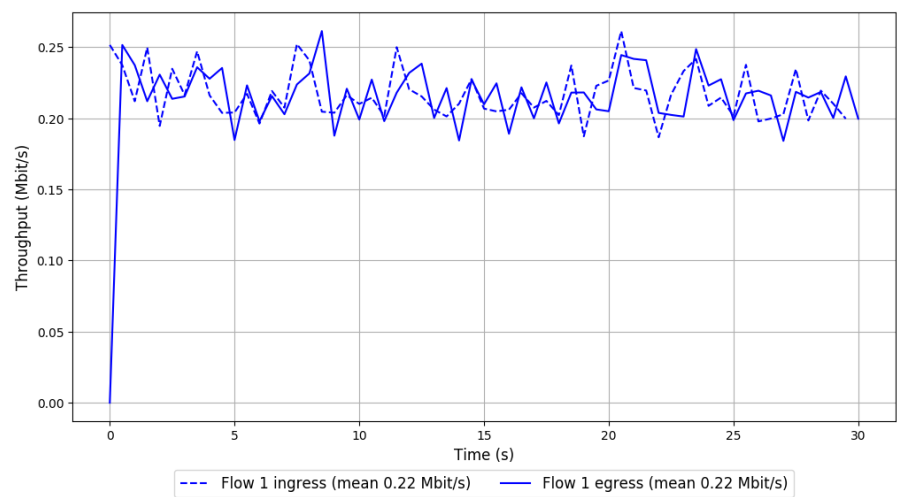


Run 2: Statistics of SCReAM

Start at: 2018-07-17 09:15:37
End at: 2018-07-17 09:16:07
Local clock offset: 6.007 ms
Remote clock offset: -6.621 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

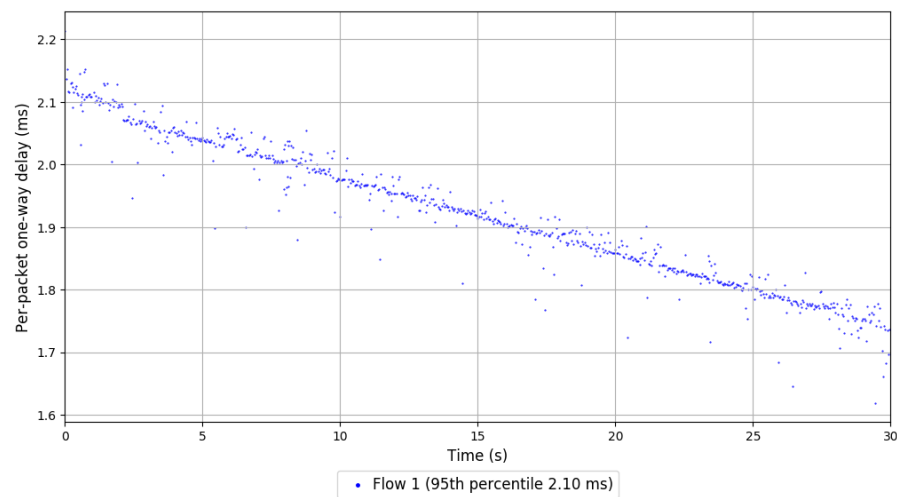
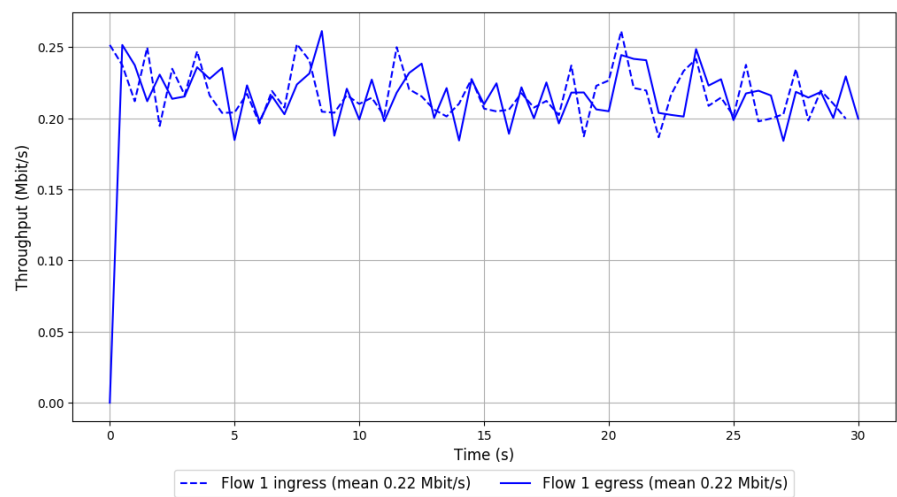


Run 3: Statistics of SCReAM

Start at: 2018-07-17 09:34:39
End at: 2018-07-17 09:35:09
Local clock offset: -2.35 ms
Remote clock offset: -1.995 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.100 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

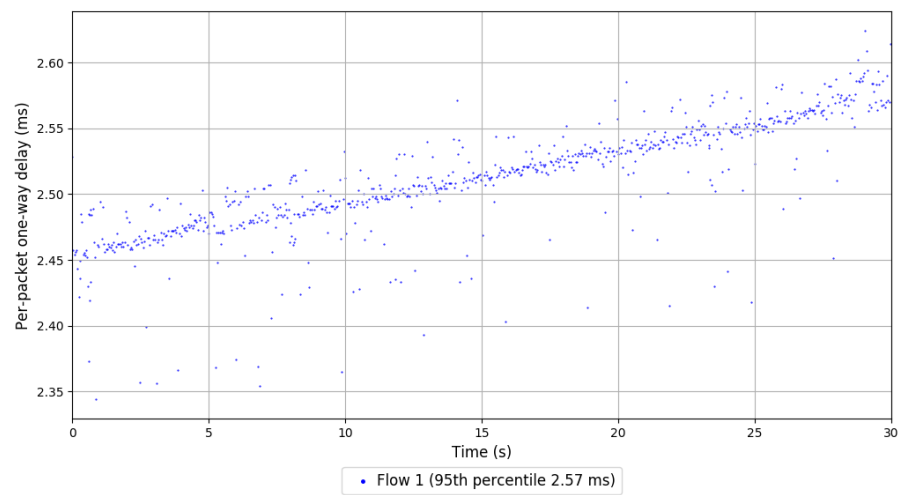
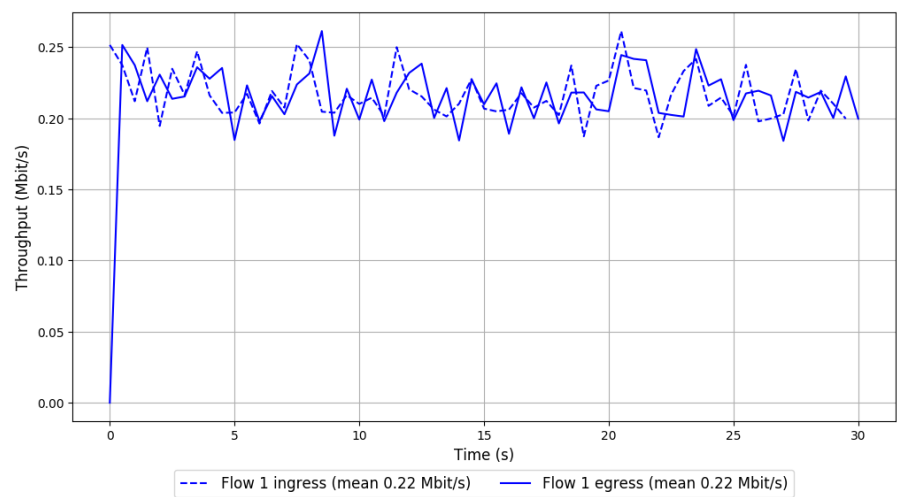


Run 4: Statistics of SCReAM

Start at: 2018-07-17 09:53:41
End at: 2018-07-17 09:54:11
Local clock offset: -8.482 ms
Remote clock offset: -1.969 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.573 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

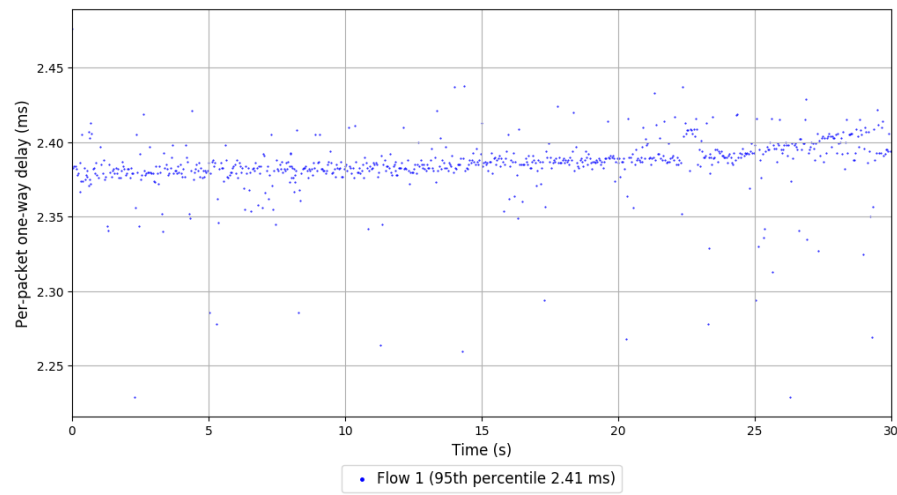
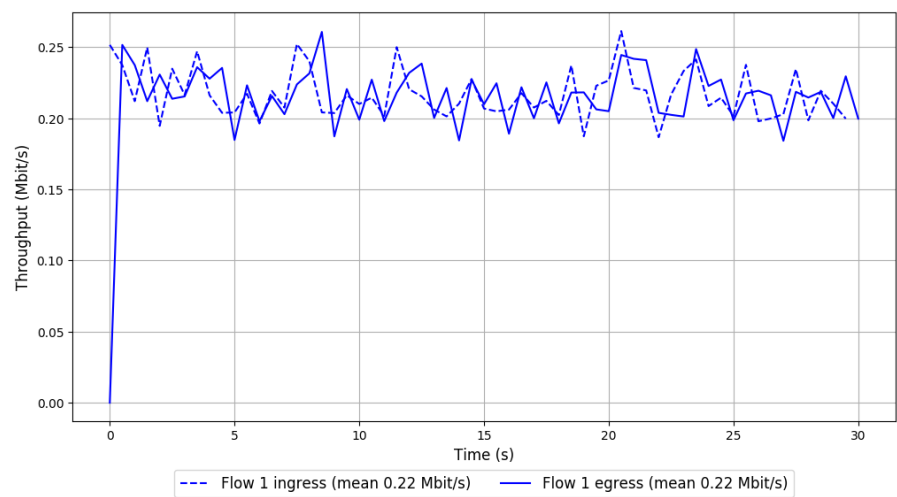


Run 5: Statistics of SCReAM

Start at: 2018-07-17 10:12:42
End at: 2018-07-17 10:13:12
Local clock offset: -7.518 ms
Remote clock offset: -5.205 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

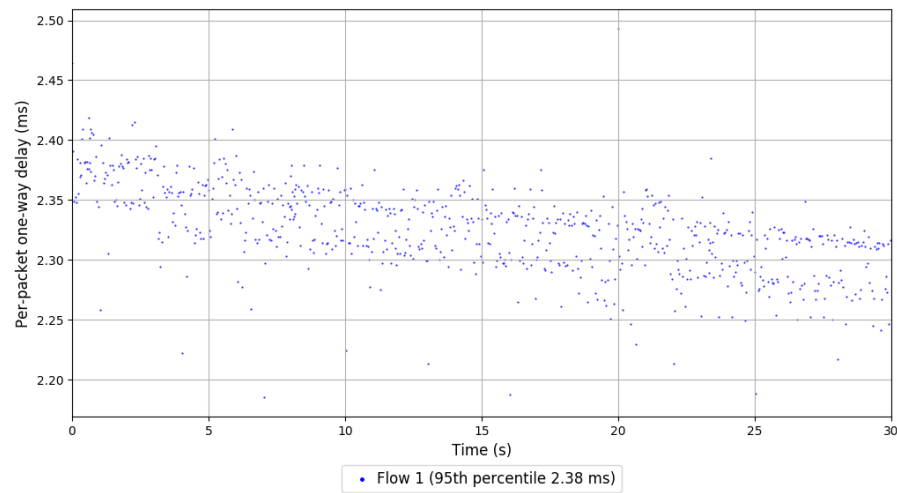
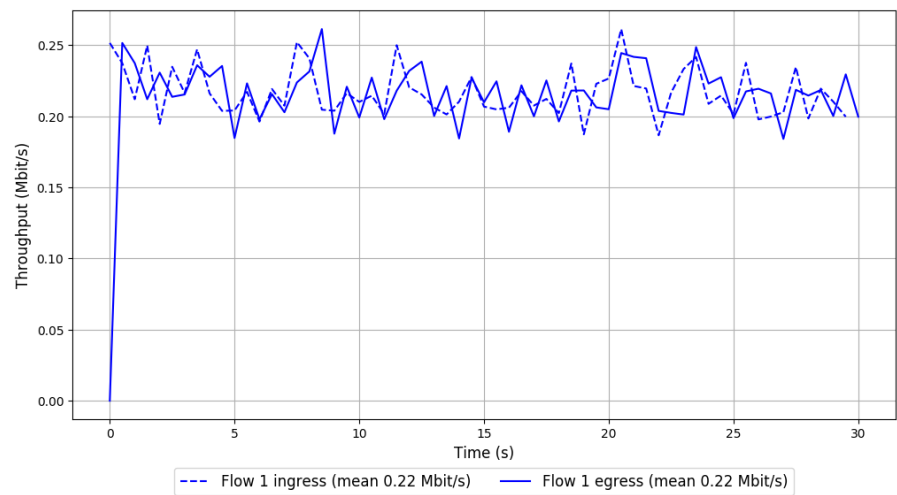


Run 6: Statistics of SCReAM

Start at: 2018-07-17 10:31:44
End at: 2018-07-17 10:32:14
Local clock offset: -7.193 ms
Remote clock offset: -3.839 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

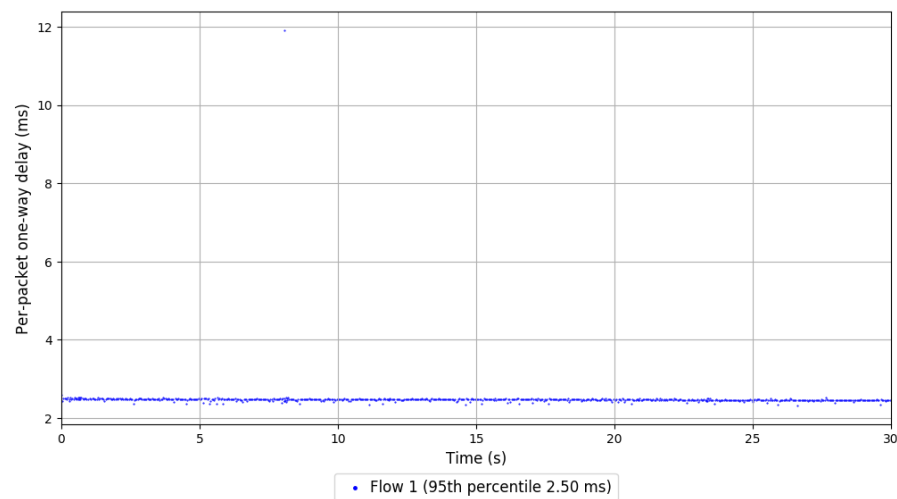
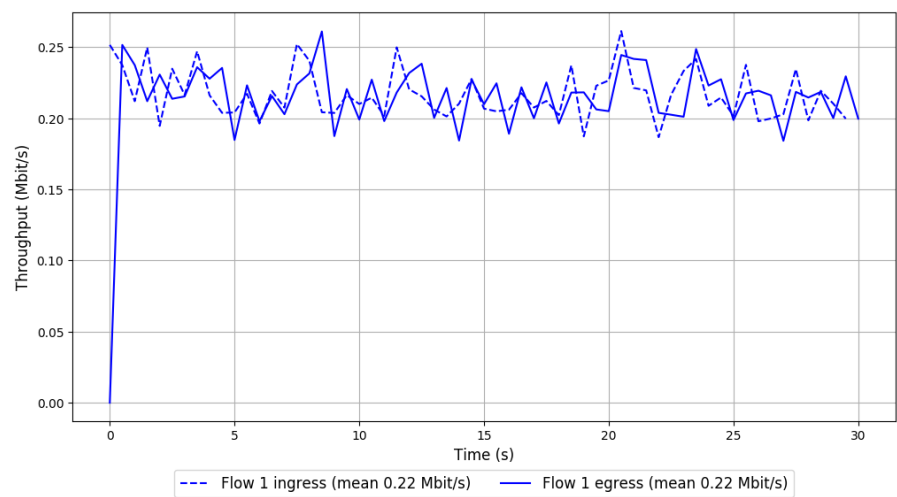


Run 7: Statistics of SCReAM

Start at: 2018-07-17 10:50:45
End at: 2018-07-17 10:51:15
Local clock offset: -7.011 ms
Remote clock offset: -2.042 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-17 11:09:52

End at: 2018-07-17 11:10:22

Local clock offset: -6.869 ms

Remote clock offset: -1.85 ms

Below is generated by plot.py at 2018-07-17 12:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.468 ms

Loss rate: 0.00%

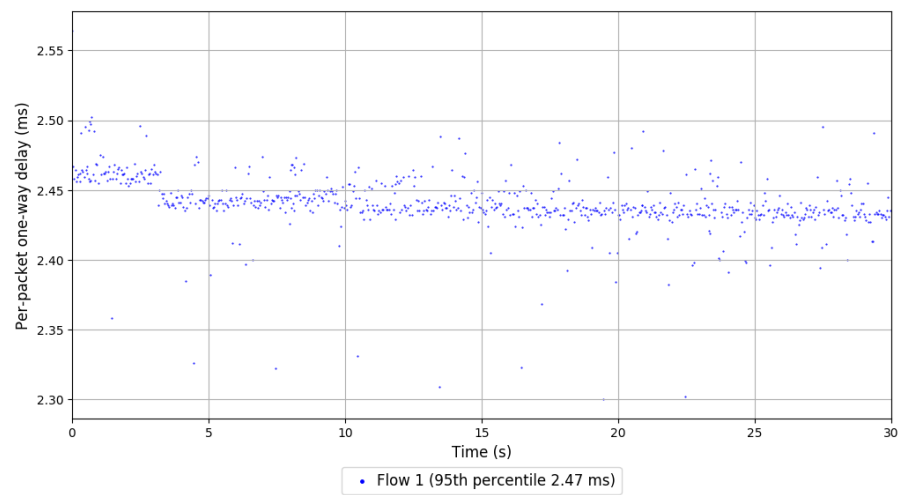
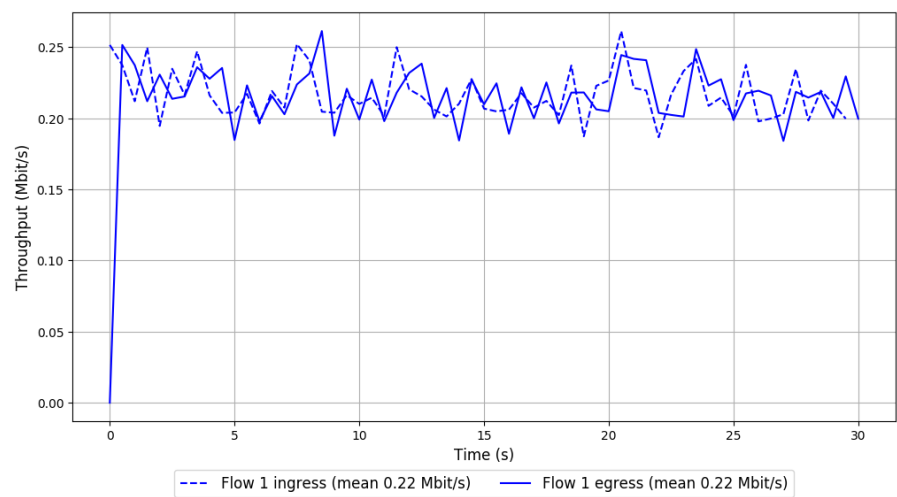
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.468 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-17 11:28:54

End at: 2018-07-17 11:29:24

Local clock offset: -6.734 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2018-07-17 12:22:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.512 ms

Loss rate: 0.00%

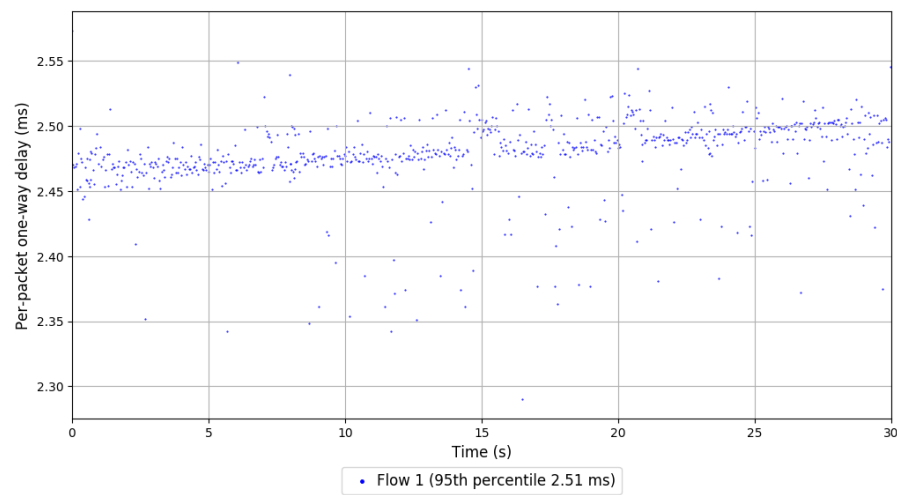
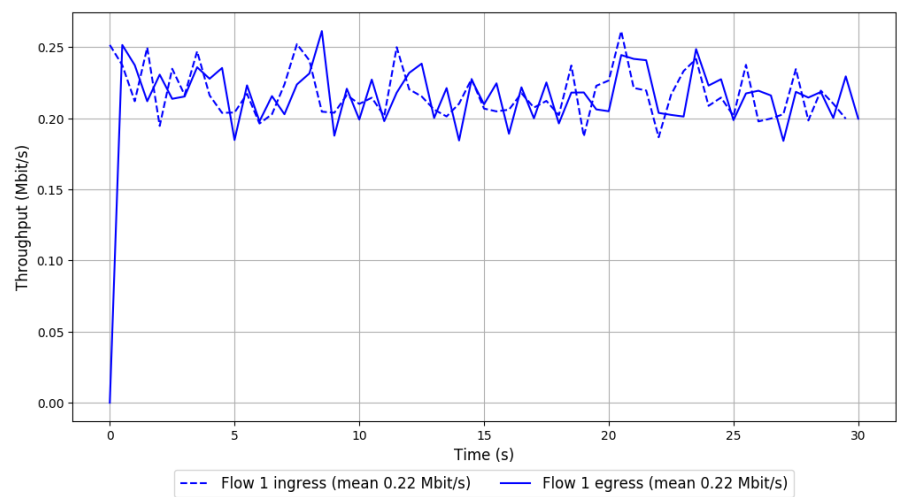
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.512 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

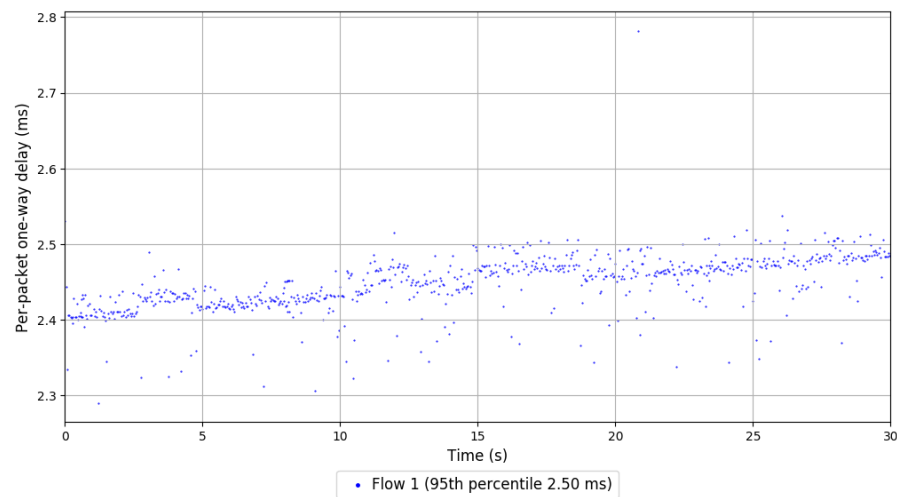
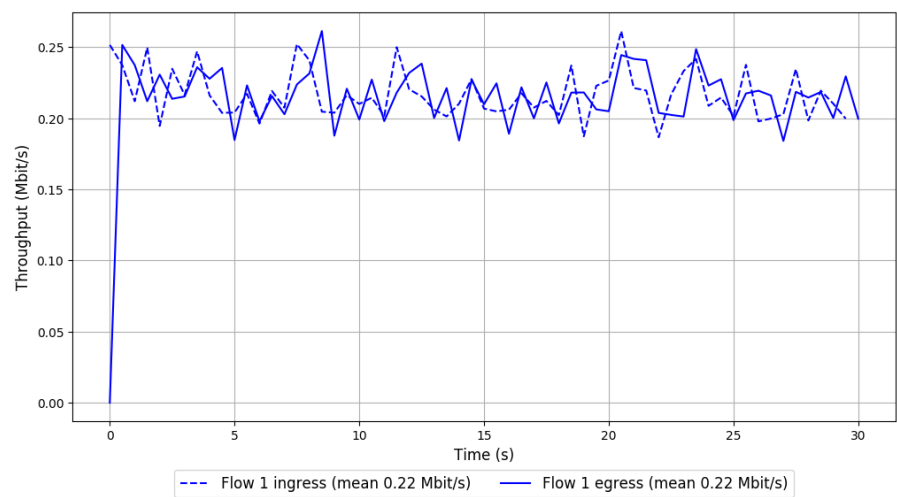


Run 10: Statistics of SReAM

Start at: 2018-07-17 11:47:55
End at: 2018-07-17 11:48:25
Local clock offset: -6.187 ms
Remote clock offset: -6.953 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.498 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

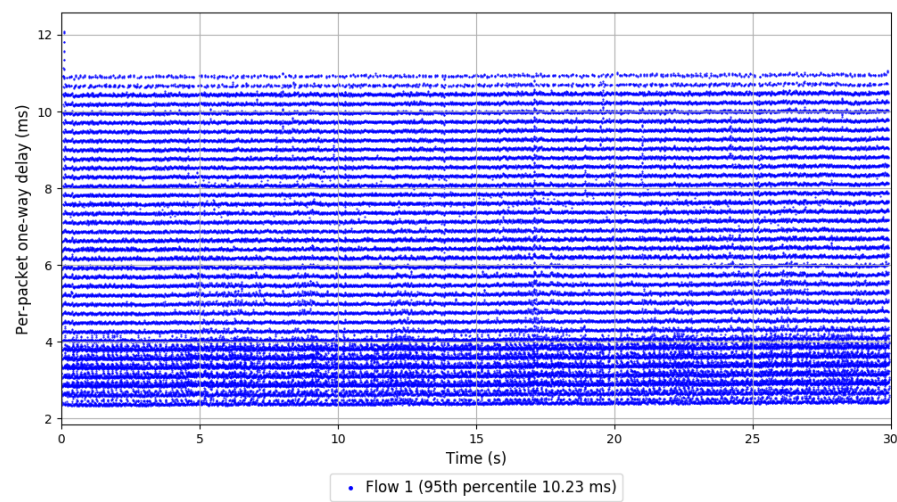
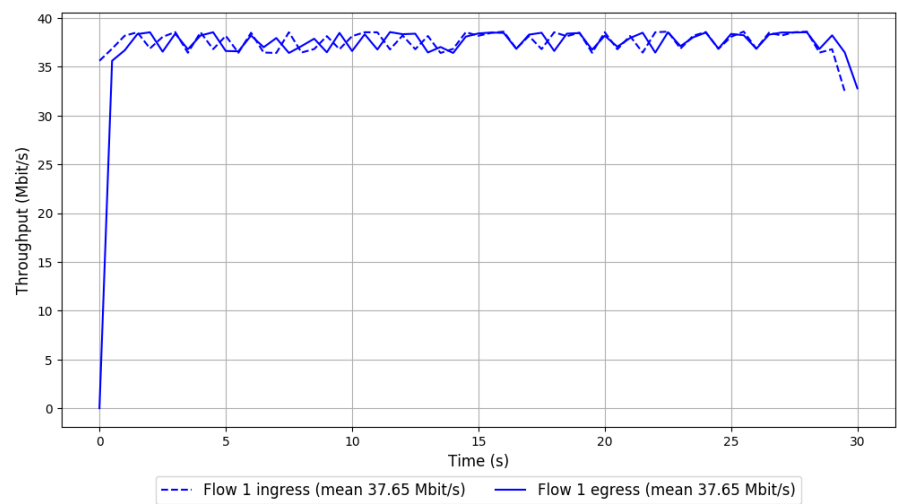


Run 1: Statistics of Sprout

Start at: 2018-07-17 09:06:36
End at: 2018-07-17 09:07:06
Local clock offset: 4.638 ms
Remote clock offset: -6.593 ms

Below is generated by plot.py at 2018-07-17 12:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 10.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 10.230 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-17 09:25:38

End at: 2018-07-17 09:26:08

Local clock offset: 7.569 ms

Remote clock offset: -3.49 ms

Below is generated by plot.py at 2018-07-17 12:22:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 8.725 ms

Loss rate: 0.00%

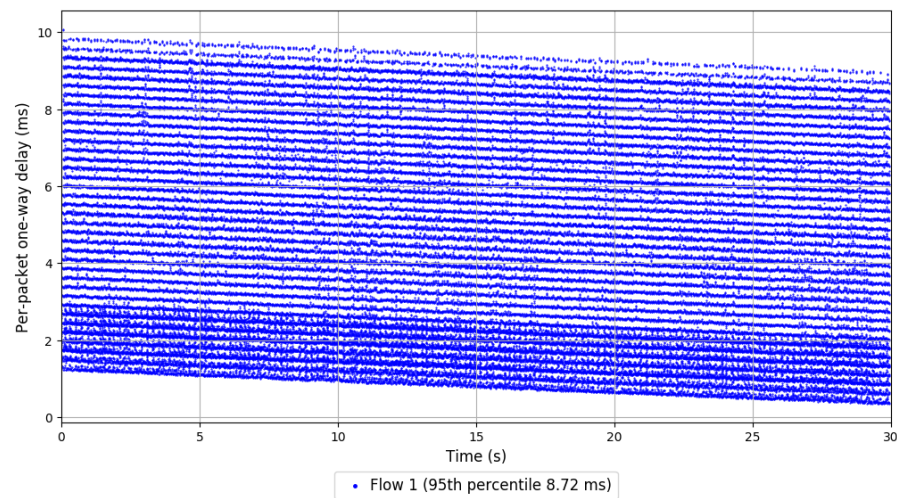
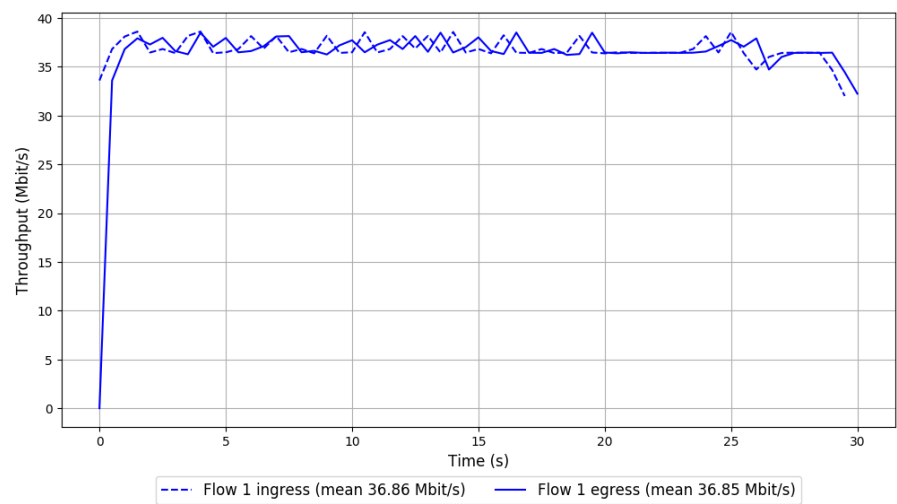
-- Flow 1:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 8.725 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

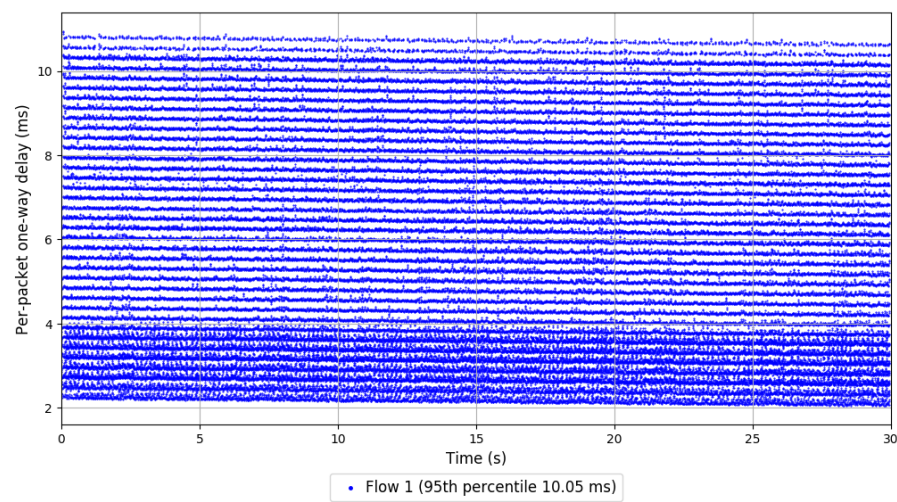
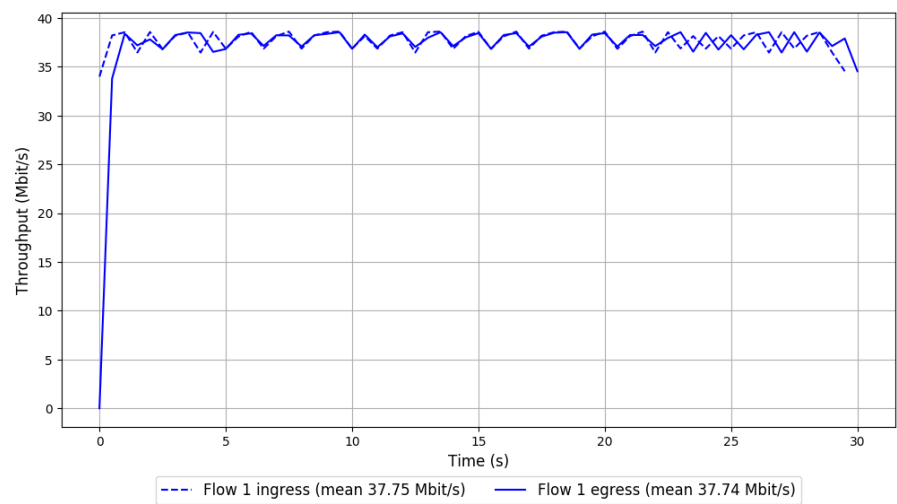


Run 3: Statistics of Sprout

Start at: 2018-07-17 09:44:39
End at: 2018-07-17 09:45:09
Local clock offset: -6.64 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2018-07-17 12:22:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 10.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 10.047 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

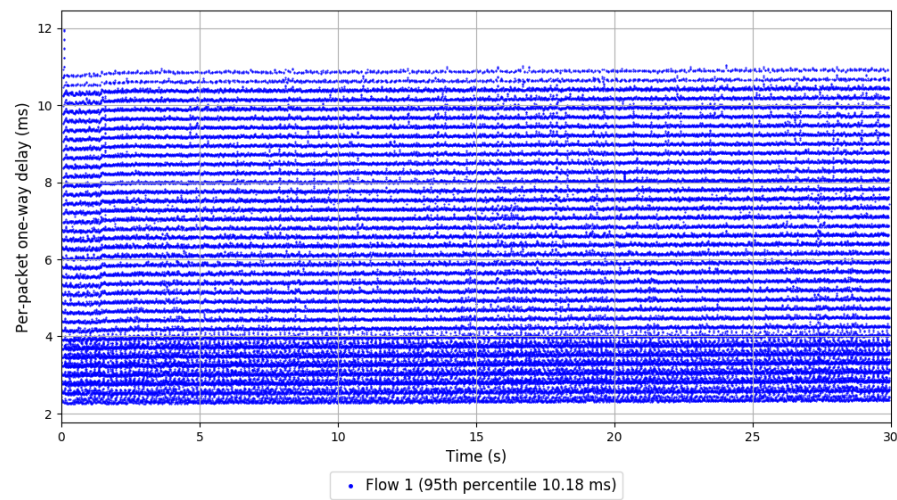
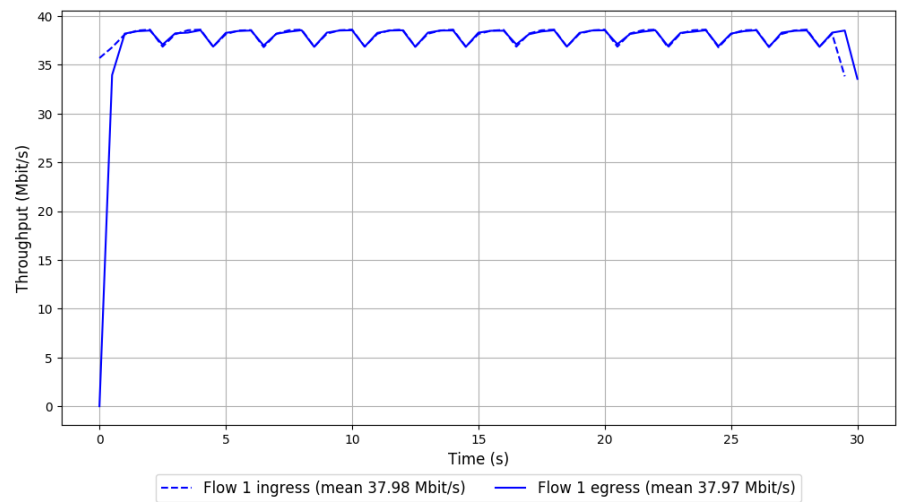


Run 4: Statistics of Sprout

Start at: 2018-07-17 10:03:41
End at: 2018-07-17 10:04:11
Local clock offset: -7.609 ms
Remote clock offset: -4.439 ms

Below is generated by plot.py at 2018-07-17 12:22:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 10.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 10.182 ms
Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

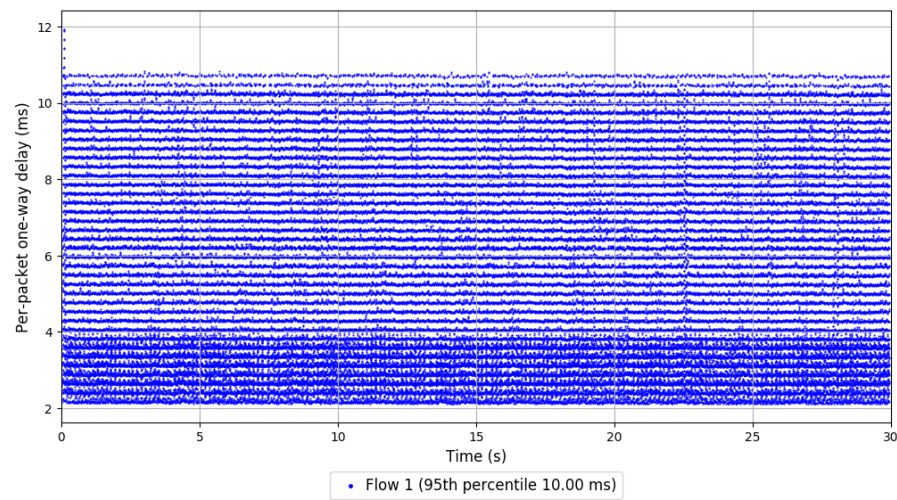
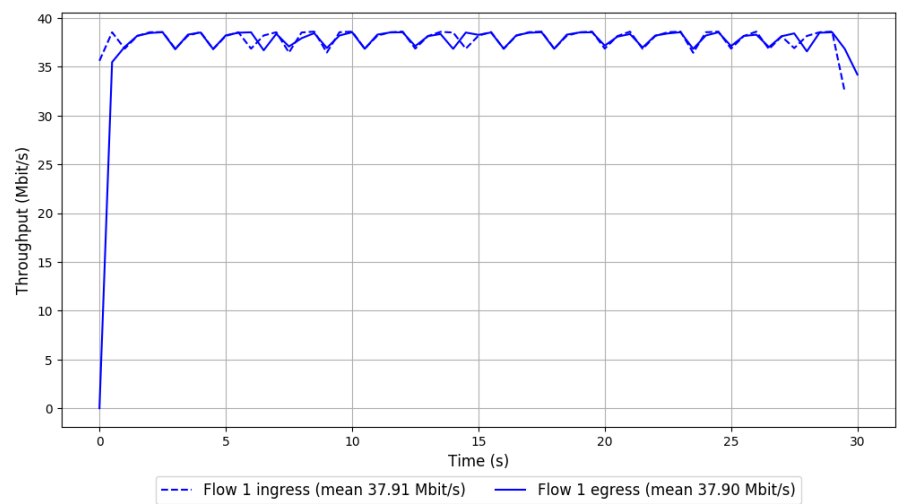


Run 5: Statistics of Sprout

Start at: 2018-07-17 10:22:43
End at: 2018-07-17 10:23:13
Local clock offset: -7.913 ms
Remote clock offset: -5.649 ms

Below is generated by plot.py at 2018-07-17 12:22:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 10.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 10.002 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

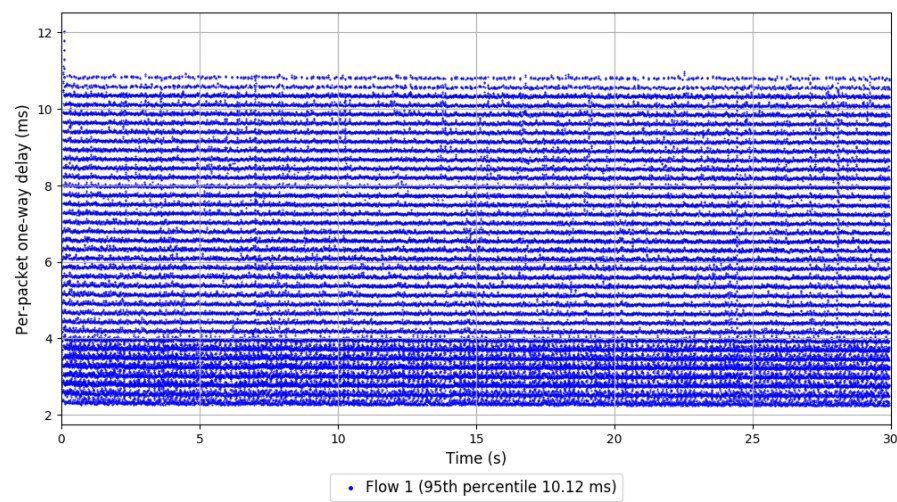
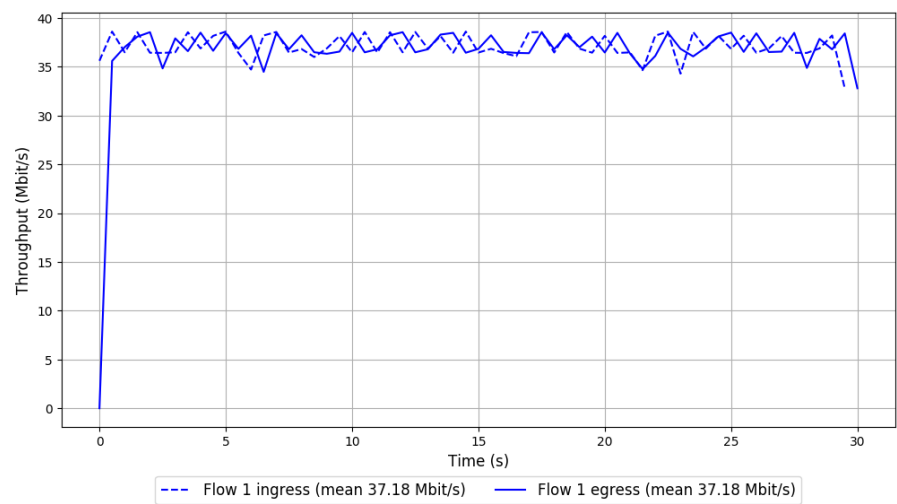


Run 6: Statistics of Sprout

Start at: 2018-07-17 10:41:44
End at: 2018-07-17 10:42:14
Local clock offset: -6.872 ms
Remote clock offset: -2.576 ms

Below is generated by plot.py at 2018-07-17 12:23:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

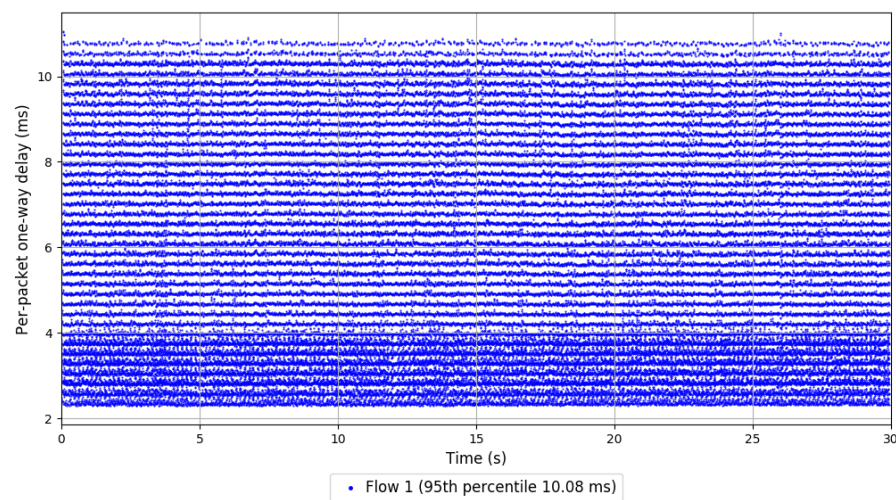
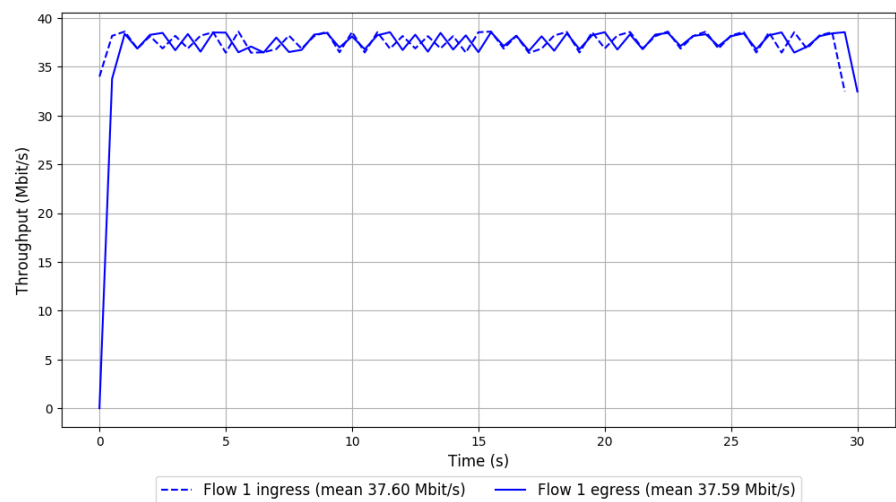


Run 7: Statistics of Sprout

Start at: 2018-07-17 11:00:51
End at: 2018-07-17 11:01:21
Local clock offset: -6.843 ms
Remote clock offset: -1.751 ms

Below is generated by plot.py at 2018-07-17 12:23:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 10.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 10.081 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

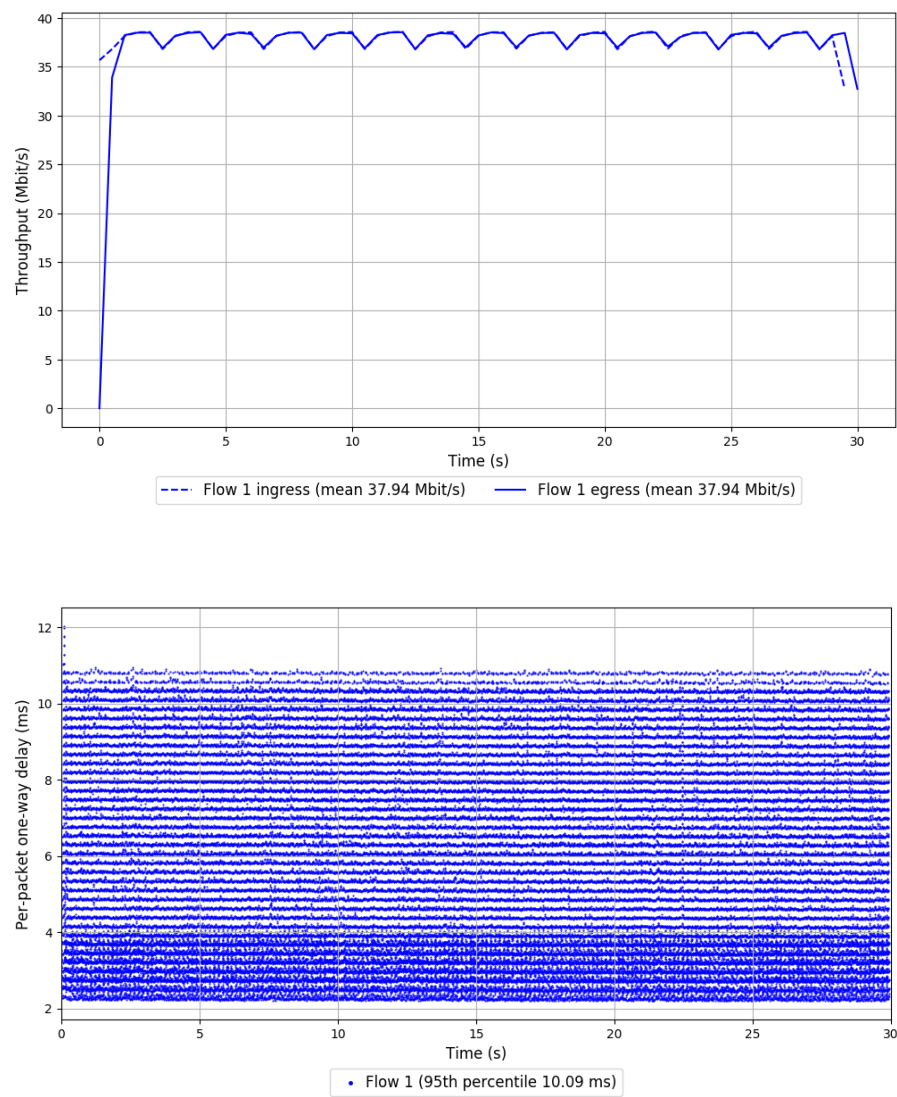


Run 8: Statistics of Sprout

Start at: 2018-07-17 11:19:53
End at: 2018-07-17 11:20:23
Local clock offset: -6.966 ms
Remote clock offset: -1.722 ms

Below is generated by plot.py at 2018-07-17 12:23:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 10.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 10.093 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

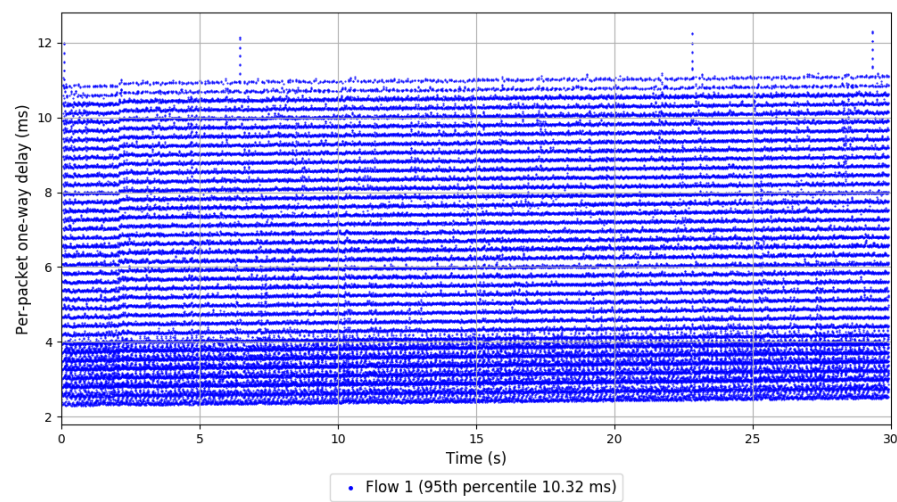
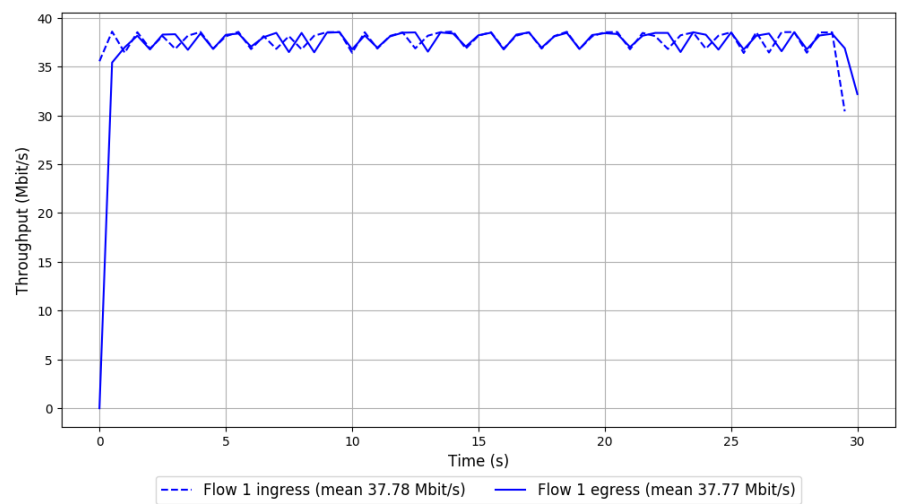


Run 9: Statistics of Sprout

Start at: 2018-07-17 11:38:55
End at: 2018-07-17 11:39:25
Local clock offset: -6.292 ms
Remote clock offset: -4.541 ms

Below is generated by plot.py at 2018-07-17 12:23:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 10.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 10.318 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-17 11:57:56

End at: 2018-07-17 11:58:26

Local clock offset: -6.12 ms

Remote clock offset: -8.269 ms

Below is generated by plot.py at 2018-07-17 12:23:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.43 Mbit/s

95th percentile per-packet one-way delay: 10.122 ms

Loss rate: 0.00%

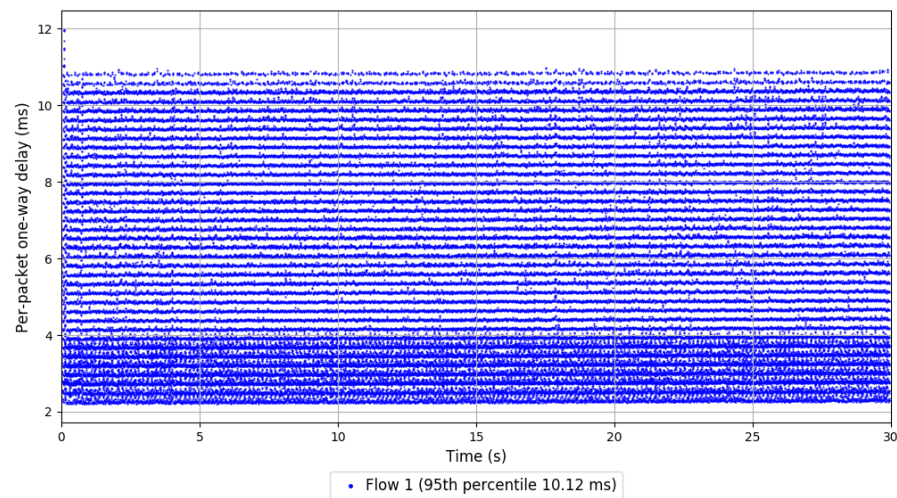
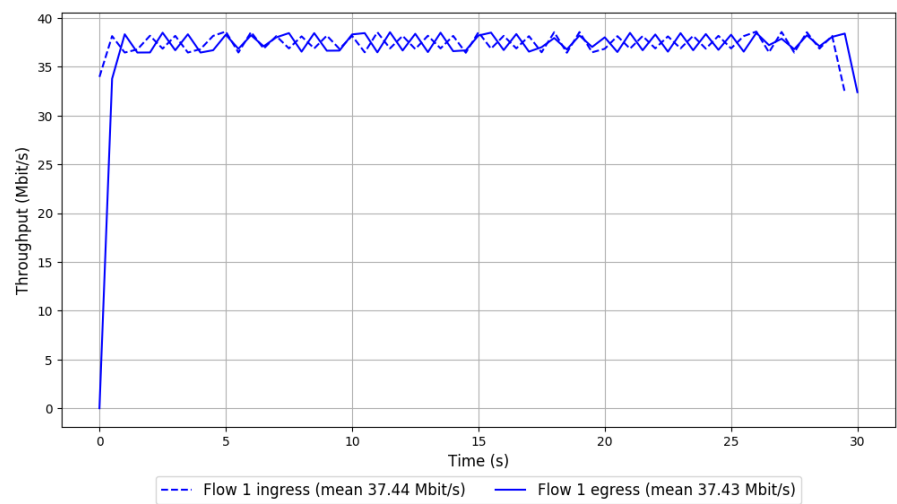
-- Flow 1:

Average throughput: 37.43 Mbit/s

95th percentile per-packet one-way delay: 10.122 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-17 08:58:49

End at: 2018-07-17 08:59:19

Local clock offset: 3.399 ms

Remote clock offset: -6.83 ms

Below is generated by plot.py at 2018-07-17 12:24:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 2.561 ms

Loss rate: 0.00%

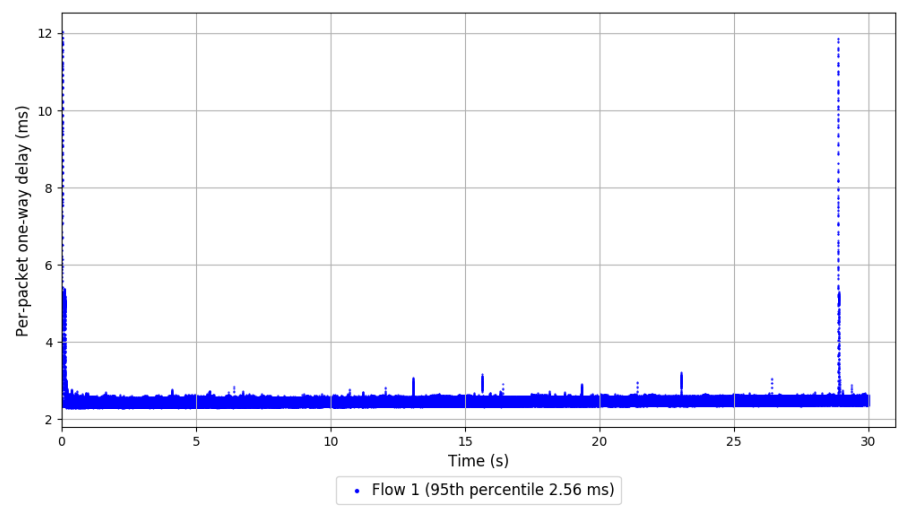
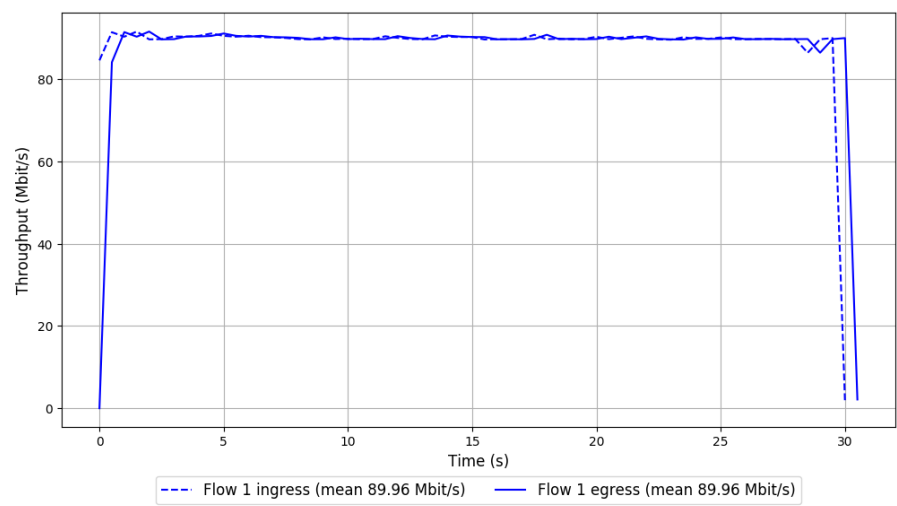
-- Flow 1:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 2.561 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

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

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

Local clock offset: 6.387 ms

Remote clock offset: -6.075 ms

Below is generated by plot.py at 2018-07-17 12:24:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.07 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

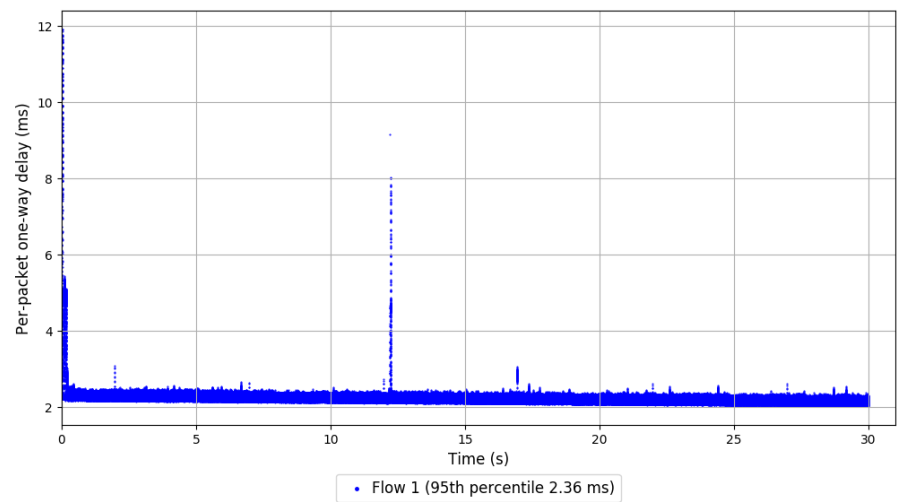
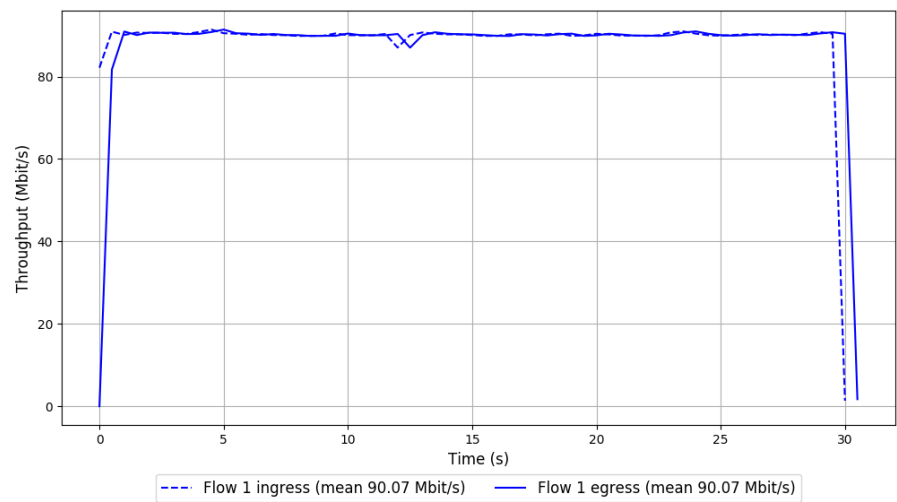
-- Flow 1:

Average throughput: 90.07 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

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

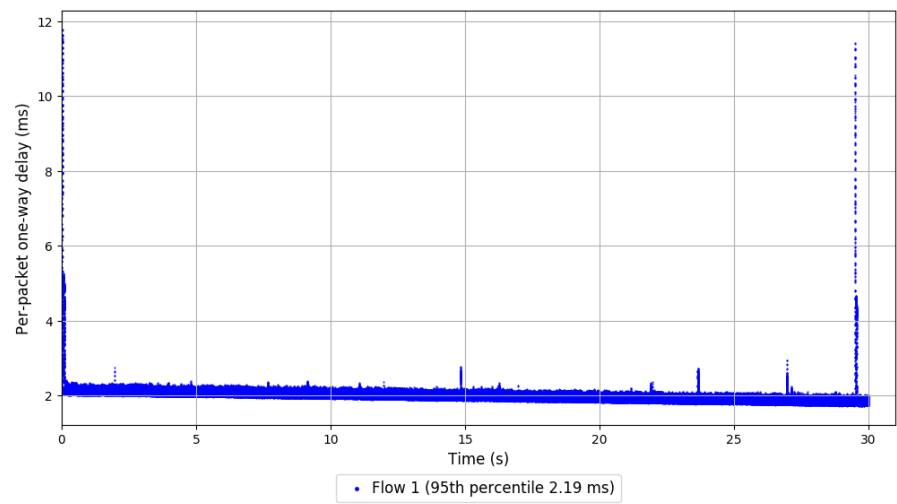
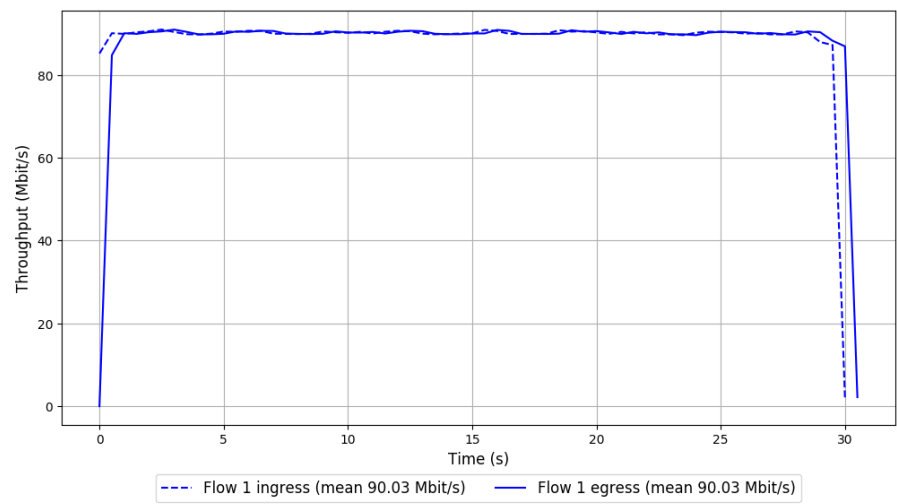


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-17 09:36:50
End at: 2018-07-17 09:37:20
Local clock offset: -3.548 ms
Remote clock offset: -1.672 ms

Below is generated by plot.py at 2018-07-17 12:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.00%

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

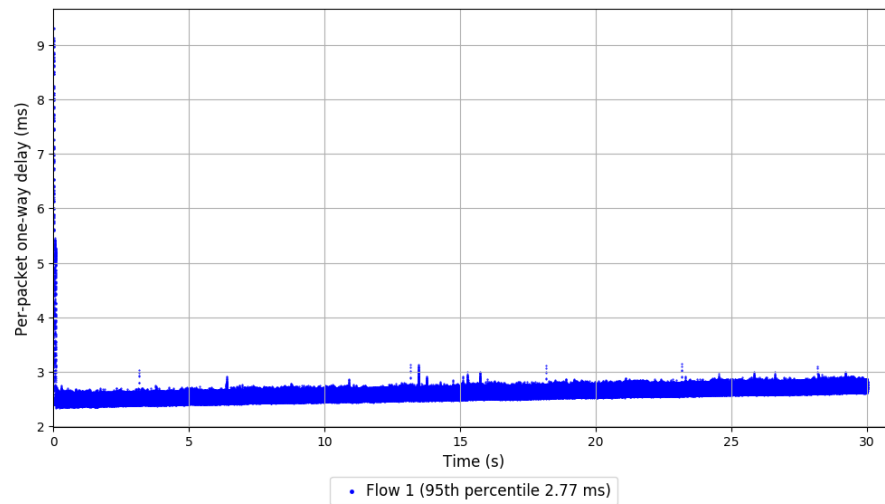
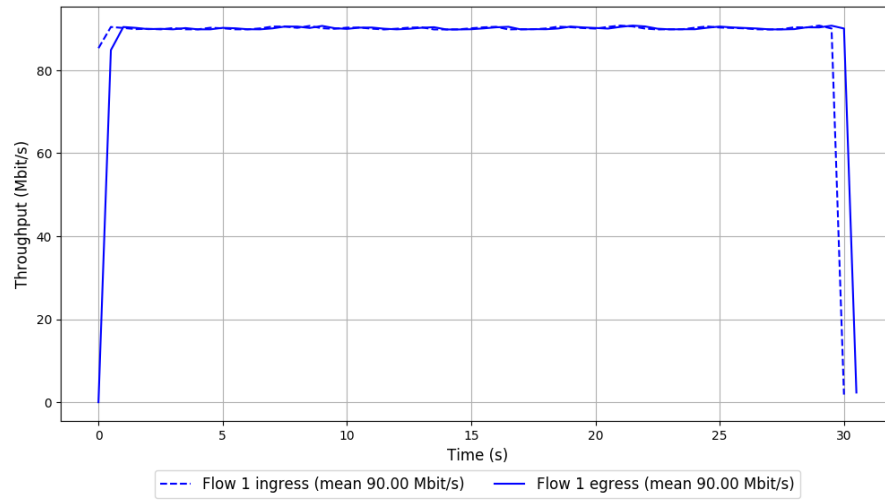


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-17 09:55:51
End at: 2018-07-17 09:56:22
Local clock offset: -8.582 ms
Remote clock offset: -2.782 ms

Below is generated by plot.py at 2018-07-17 12:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 2.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 2.775 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-17 10:14:53

End at: 2018-07-17 10:15:23

Local clock offset: -7.571 ms

Remote clock offset: -5.394 ms

Below is generated by plot.py at 2018-07-17 12:25:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.00%

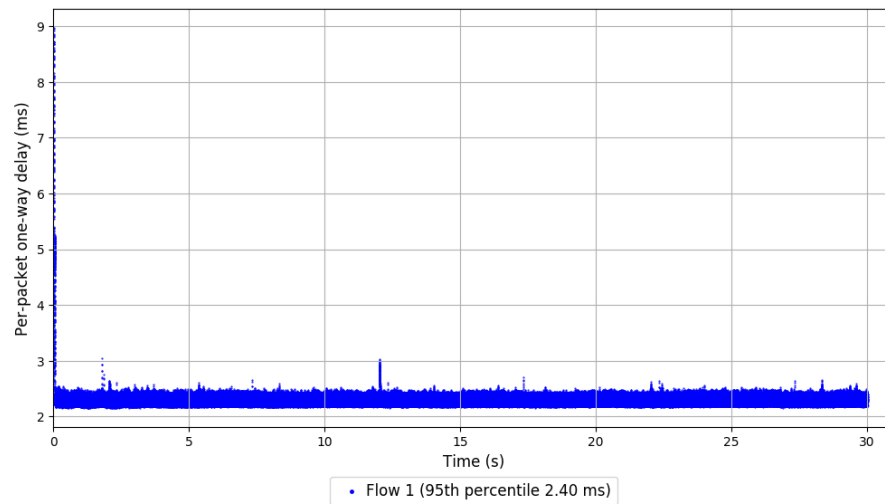
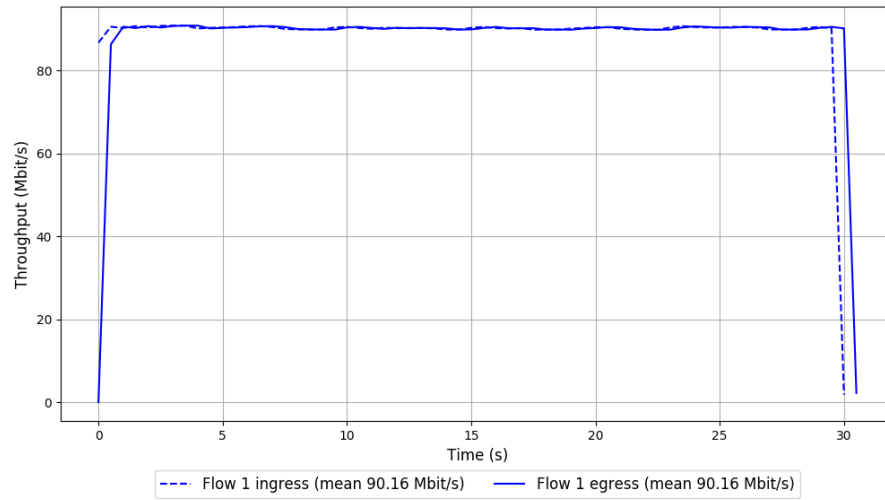
-- Flow 1:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-17 10:33:54

End at: 2018-07-17 10:34:24

Local clock offset: -7.074 ms

Remote clock offset: -3.475 ms

Below is generated by plot.py at 2018-07-17 12:25:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.98 Mbit/s

95th percentile per-packet one-way delay: 2.475 ms

Loss rate: 0.00%

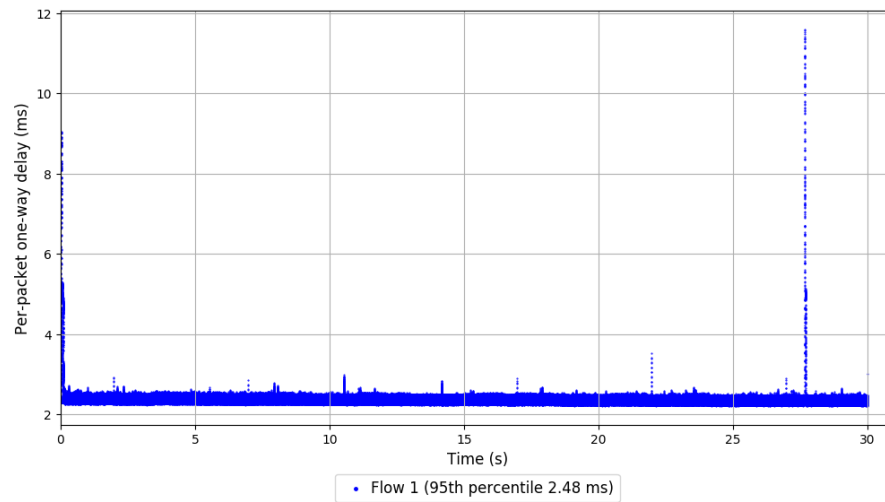
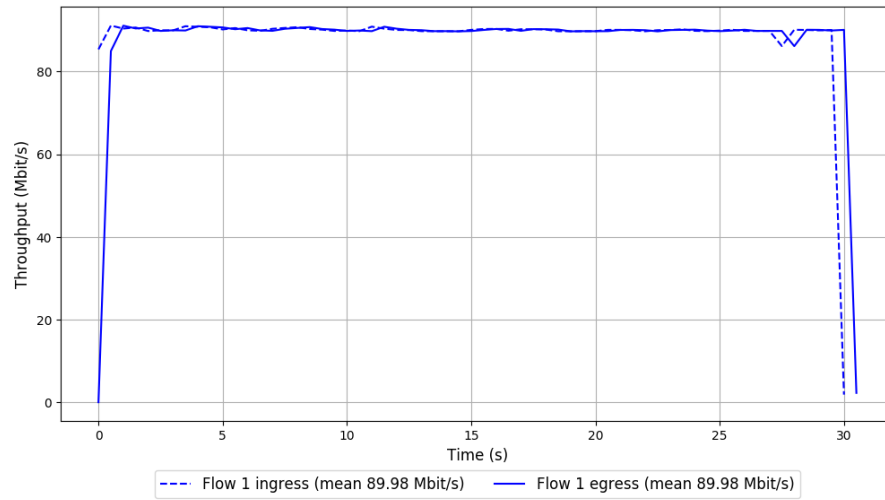
-- Flow 1:

Average throughput: 89.98 Mbit/s

95th percentile per-packet one-way delay: 2.475 ms

Loss rate: 0.00%

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

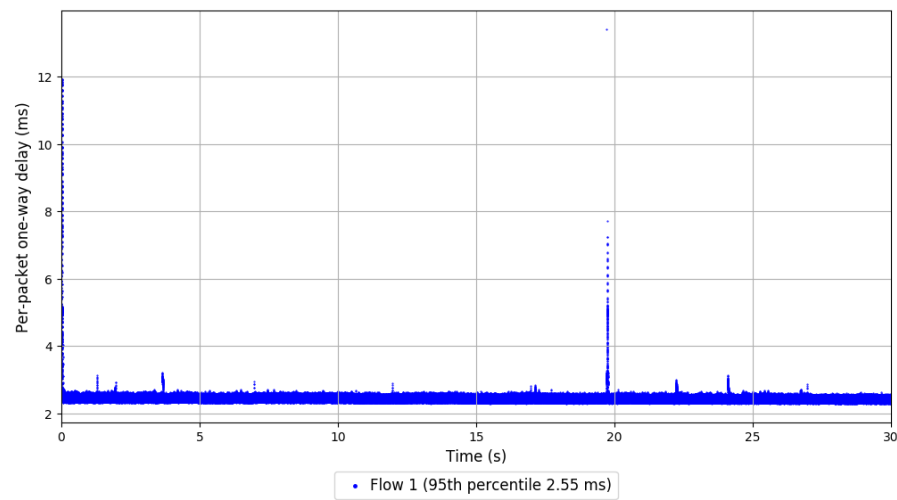
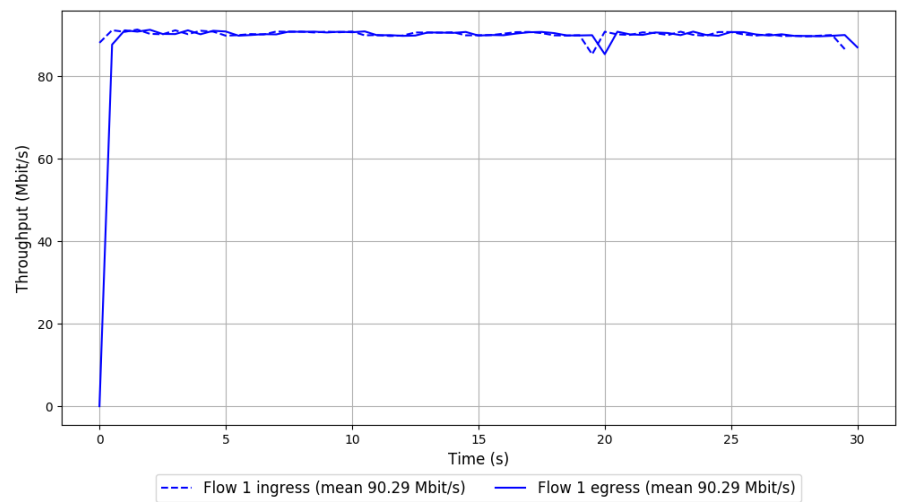


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-17 10:53:01
End at: 2018-07-17 10:53:31
Local clock offset: -7.052 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2018-07-17 12:25:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 2.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 2.554 ms
Loss rate: 0.00%

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

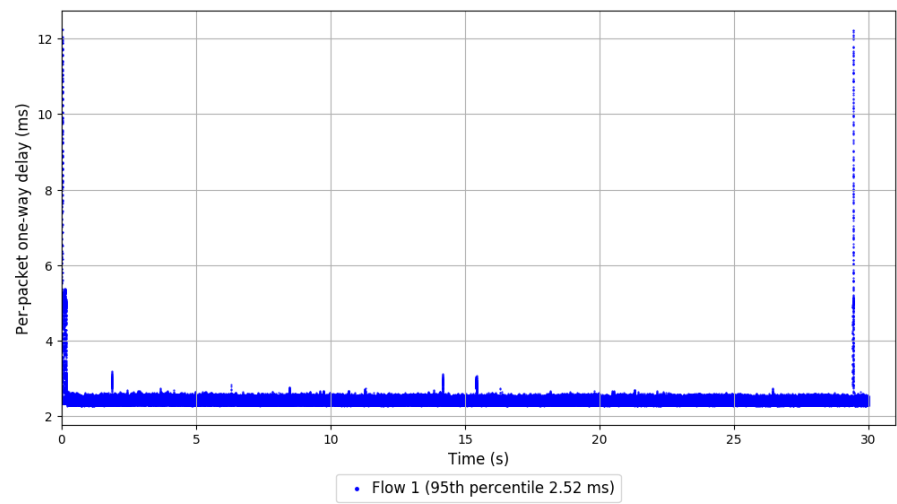
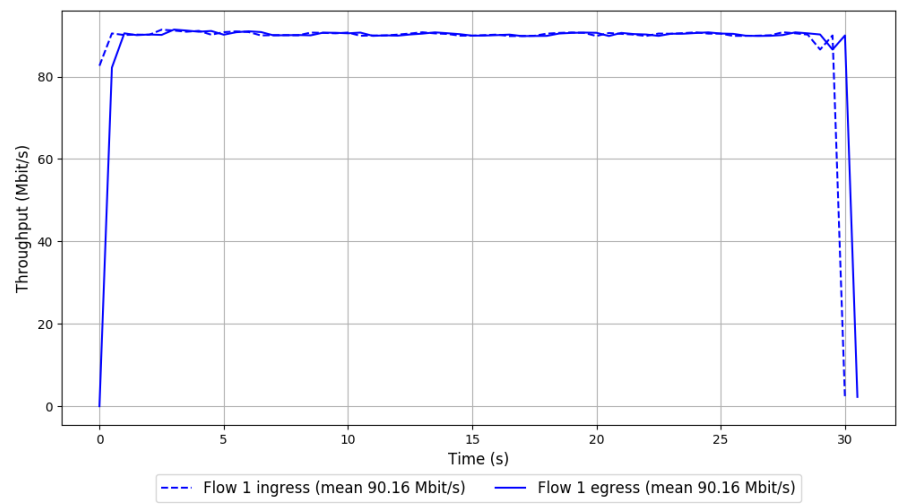


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-17 11:12:03
End at: 2018-07-17 11:12:33
Local clock offset: -6.839 ms
Remote clock offset: -1.793 ms

Below is generated by plot.py at 2018-07-17 12:25:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 2.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 2.524 ms
Loss rate: 0.00%

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

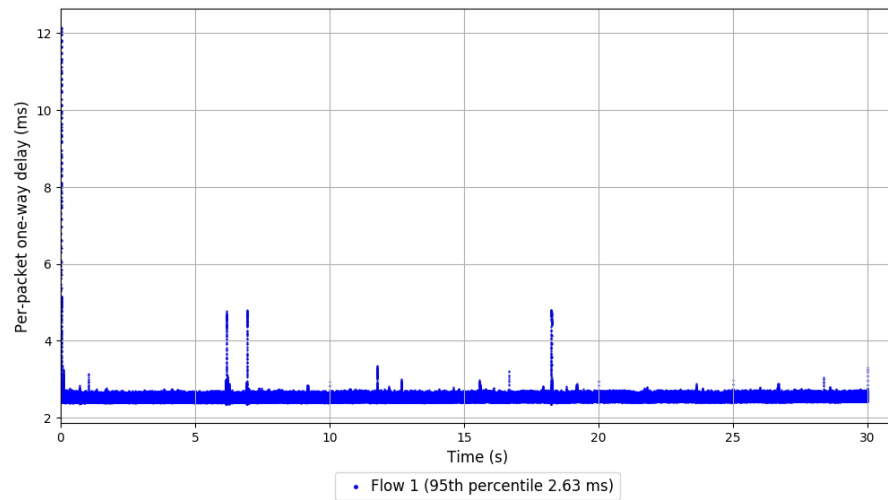
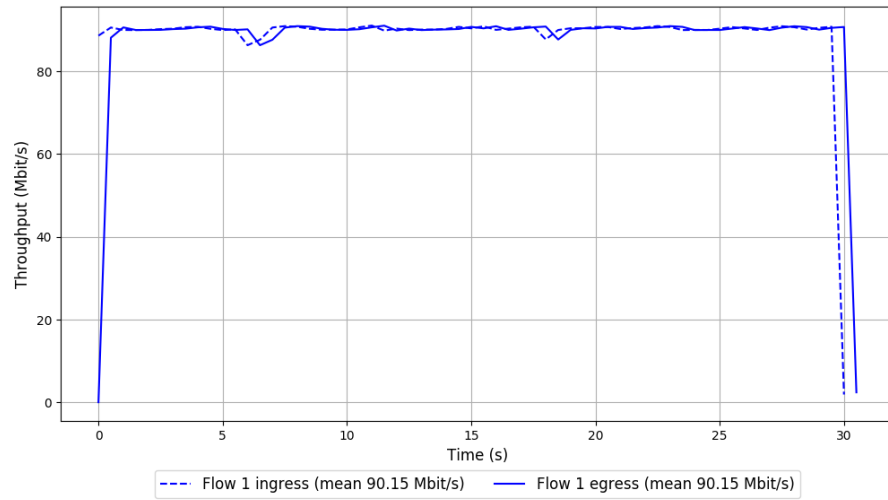


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-17 11:31:05
End at: 2018-07-17 11:31:35
Local clock offset: -6.646 ms
Remote clock offset: -1.455 ms

Below is generated by plot.py at 2018-07-17 12:26:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 2.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 2.632 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-17 11:50:06

End at: 2018-07-17 11:50:36

Local clock offset: -6.187 ms

Remote clock offset: -7.384 ms

Below is generated by plot.py at 2018-07-17 12:26:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.98 Mbit/s

95th percentile per-packet one-way delay: 2.474 ms

Loss rate: 0.00%

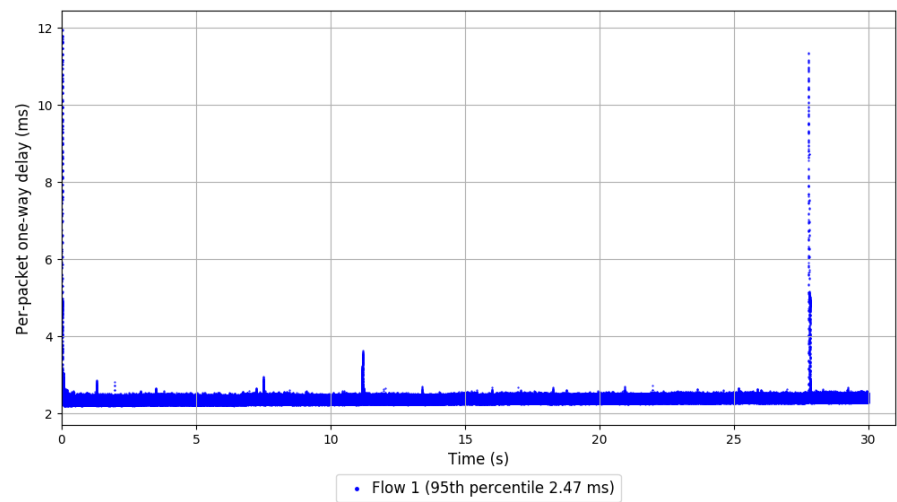
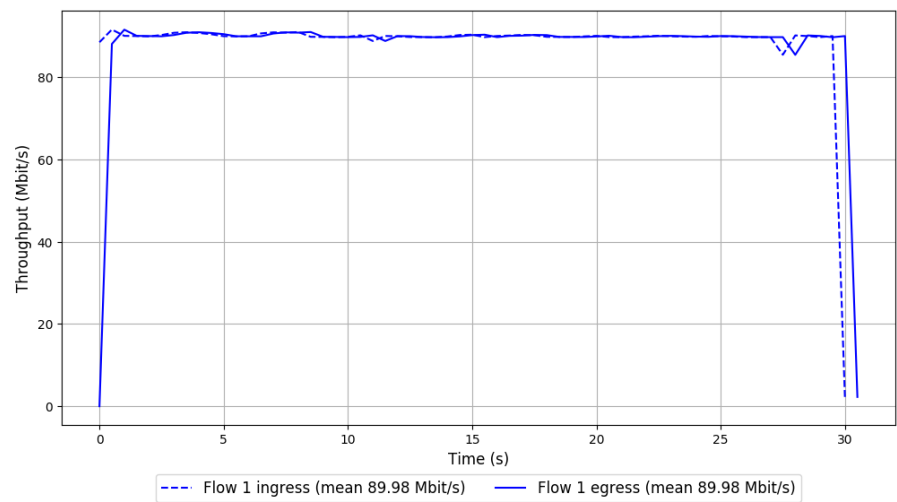
-- Flow 1:

Average throughput: 89.98 Mbit/s

95th percentile per-packet one-way delay: 2.474 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-17 08:54:23

End at: 2018-07-17 08:54:53

Local clock offset: 2.711 ms

Remote clock offset: -7.019 ms

Below is generated by plot.py at 2018-07-17 12:26:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 3.744 ms

Loss rate: 0.00%

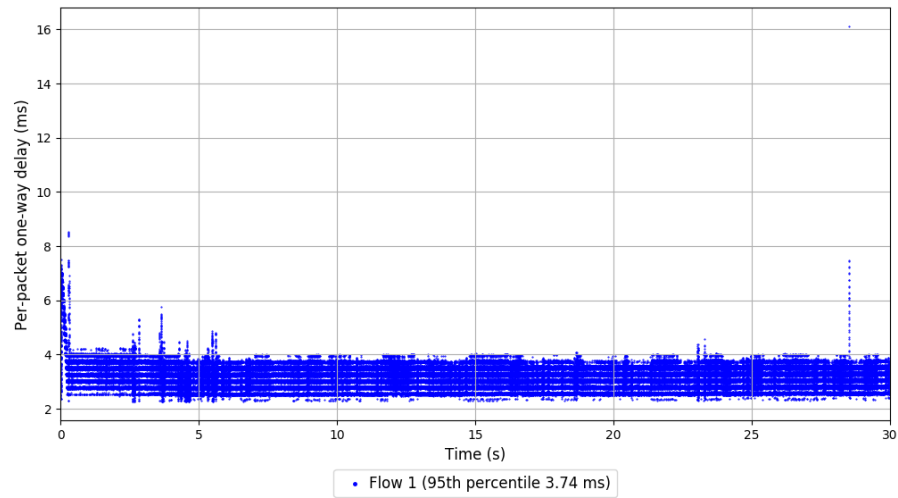
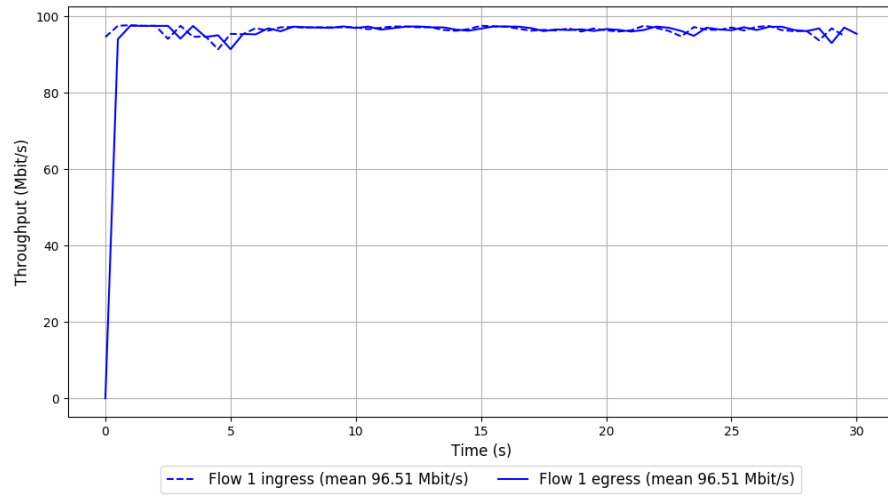
-- Flow 1:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 3.744 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-17 09:13:21

End at: 2018-07-17 09:13:52

Local clock offset: 5.693 ms

Remote clock offset: -6.56 ms

Below is generated by plot.py at 2018-07-17 12:26:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 3.887 ms

Loss rate: 0.00%

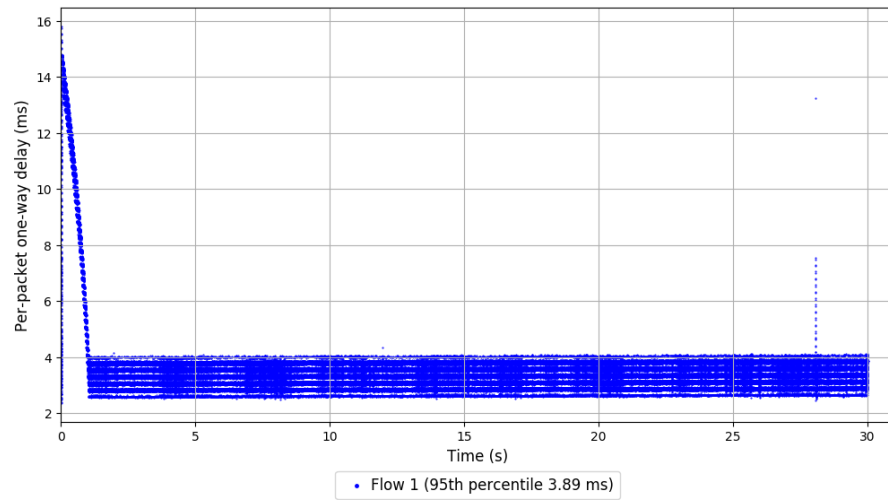
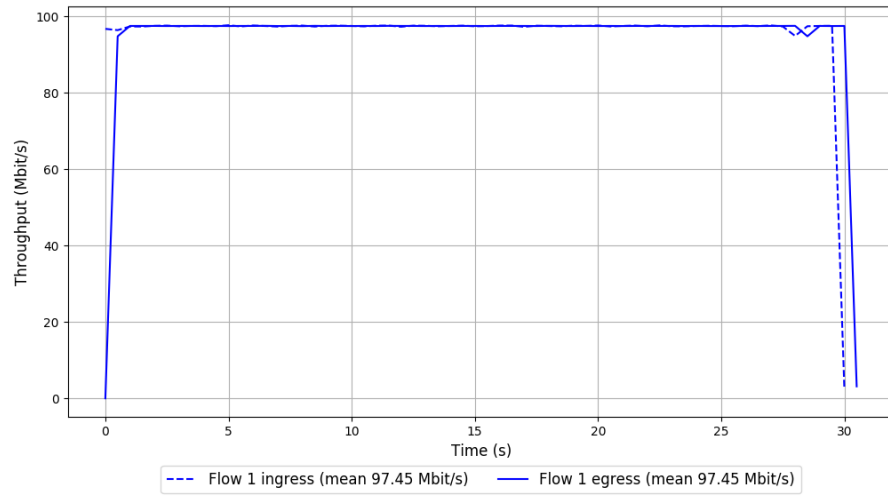
-- Flow 1:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 3.887 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

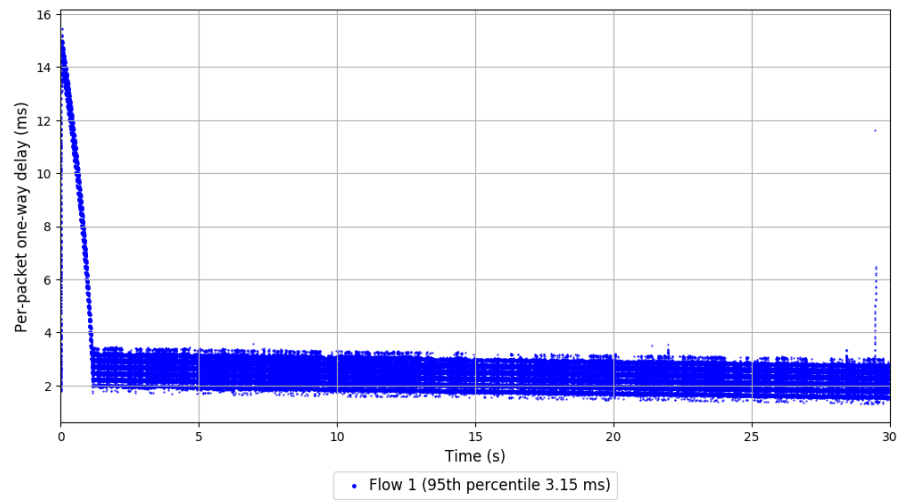
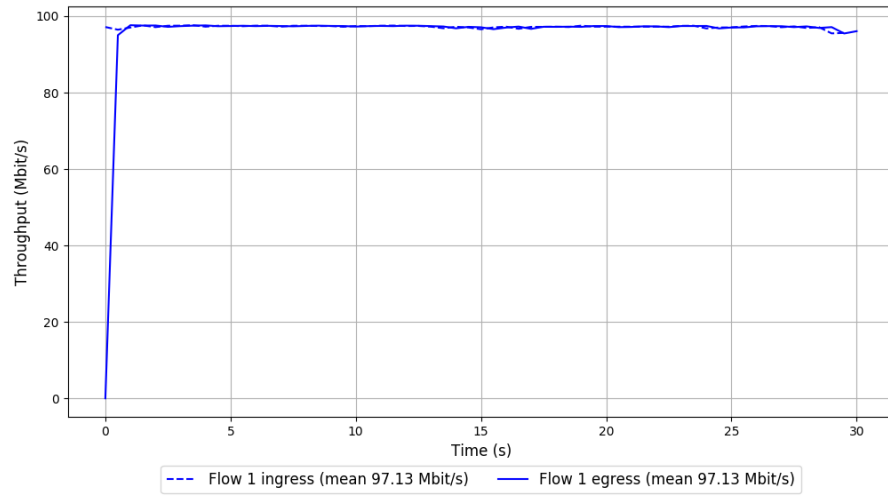


Run 3: Statistics of TCP Vegas

Start at: 2018-07-17 09:32:24
End at: 2018-07-17 09:32:54
Local clock offset: -0.618 ms
Remote clock offset: -2.317 ms

Below is generated by plot.py at 2018-07-17 12:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 3.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 3.153 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

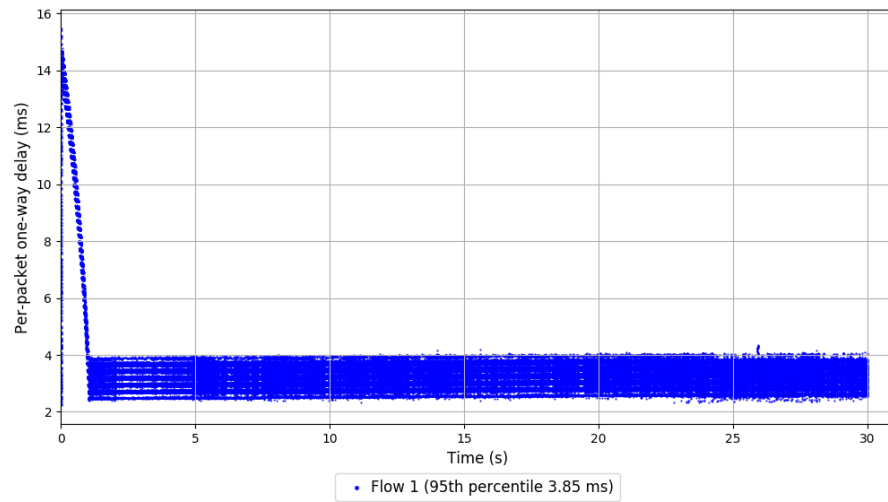
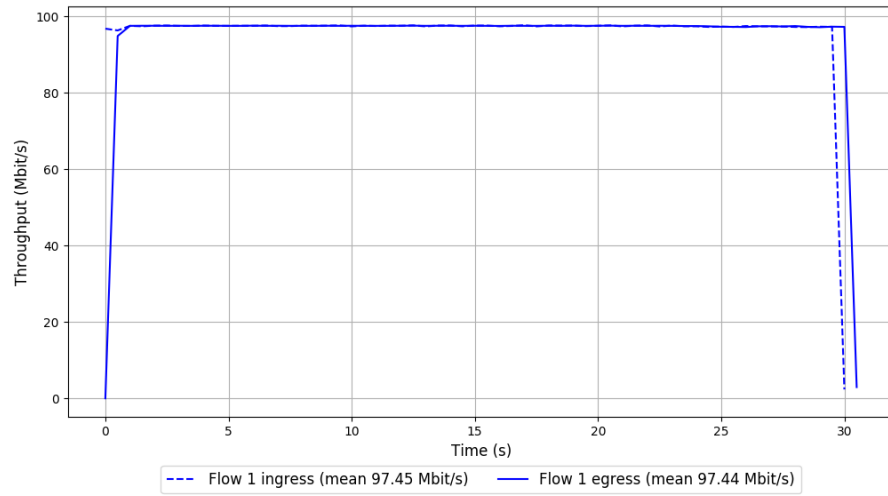


Run 4: Statistics of TCP Vegas

Start at: 2018-07-17 09:51:25
End at: 2018-07-17 09:51:55
Local clock offset: -8.028 ms
Remote clock offset: -0.962 ms

Below is generated by plot.py at 2018-07-17 12:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

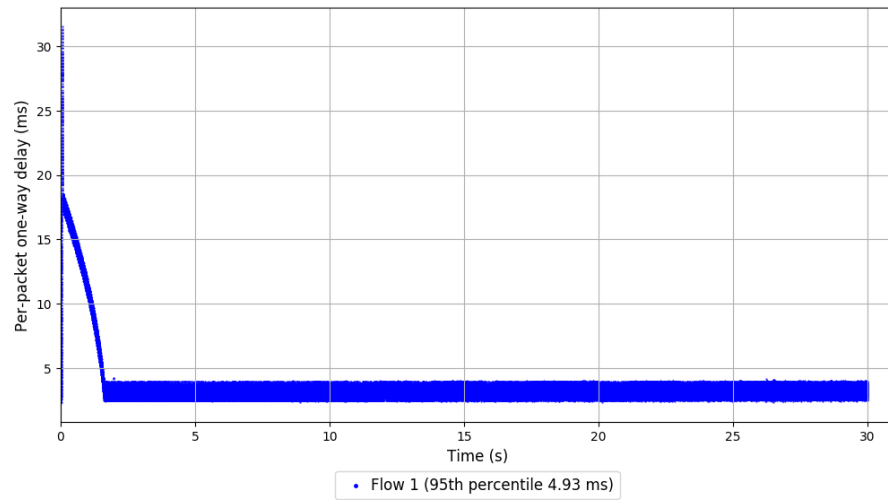
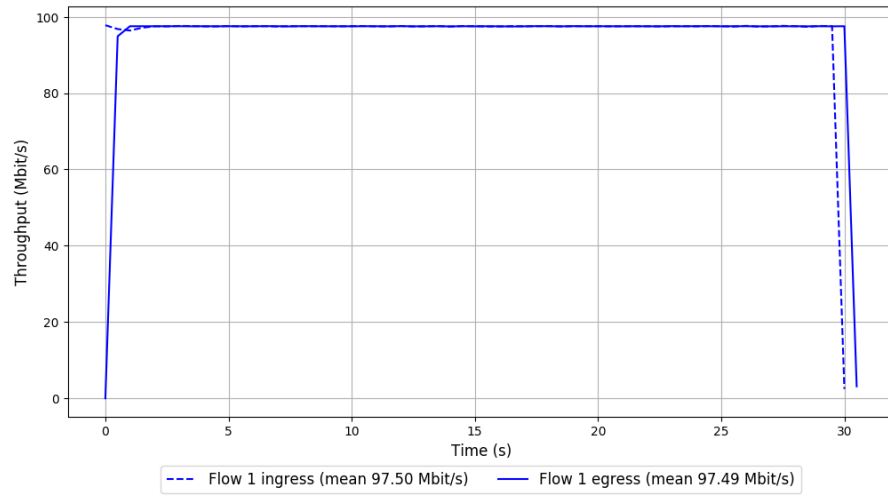


Run 5: Statistics of TCP Vegas

Start at: 2018-07-17 10:10:27
End at: 2018-07-17 10:10:57
Local clock offset: -7.532 ms
Remote clock offset: -5.105 ms

Below is generated by plot.py at 2018-07-17 12:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 4.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 4.933 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

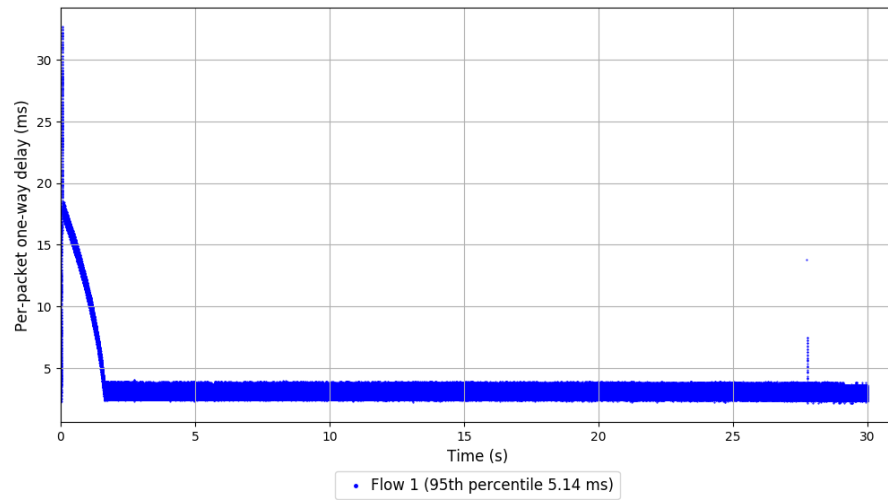
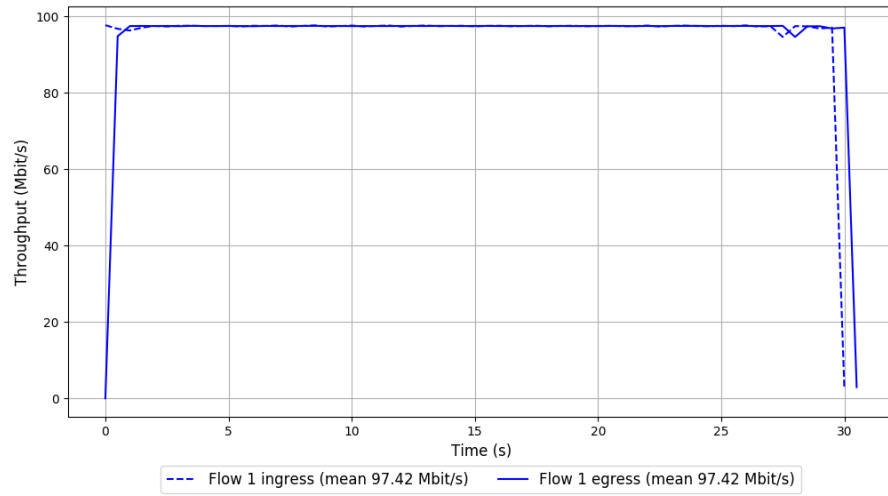


Run 6: Statistics of TCP Vegas

Start at: 2018-07-17 10:29:28
End at: 2018-07-17 10:29:58
Local clock offset: -7.429 ms
Remote clock offset: -4.329 ms

Below is generated by plot.py at 2018-07-17 12:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 5.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 5.137 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

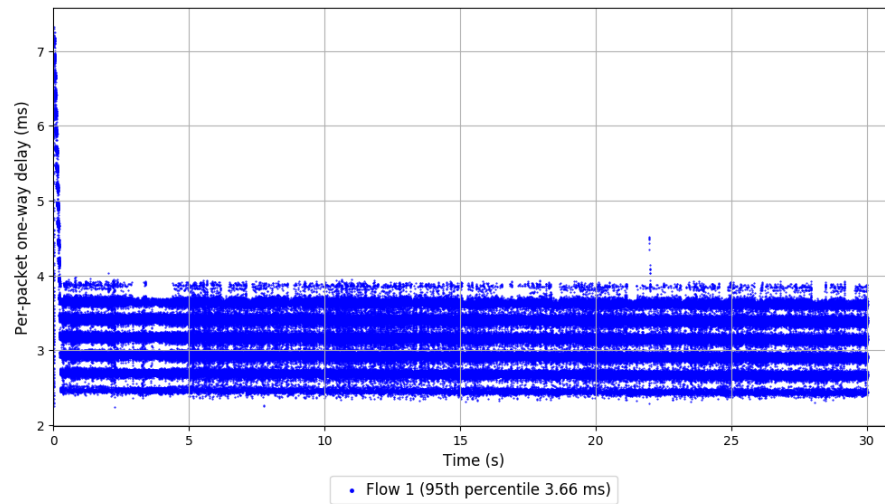
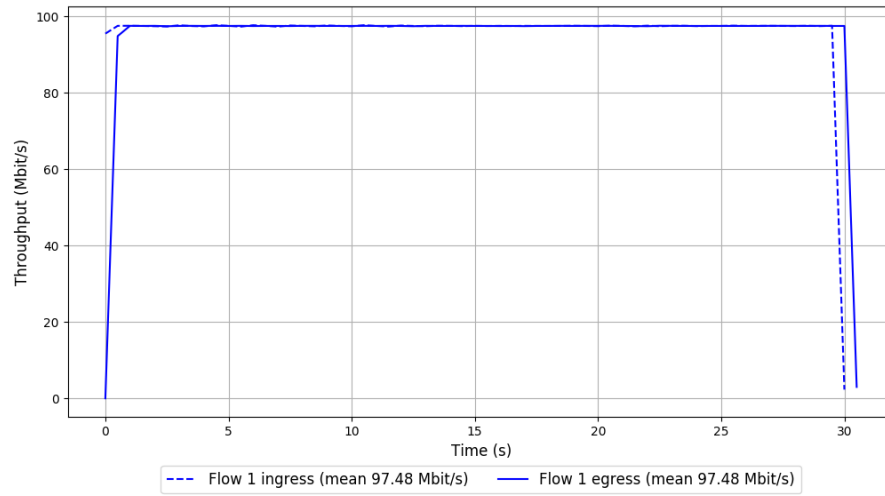


Run 7: Statistics of TCP Vegas

Start at: 2018-07-17 10:48:30
End at: 2018-07-17 10:49:00
Local clock offset: -6.903 ms
Remote clock offset: -2.211 ms

Below is generated by plot.py at 2018-07-17 12:27:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 3.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 3.661 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

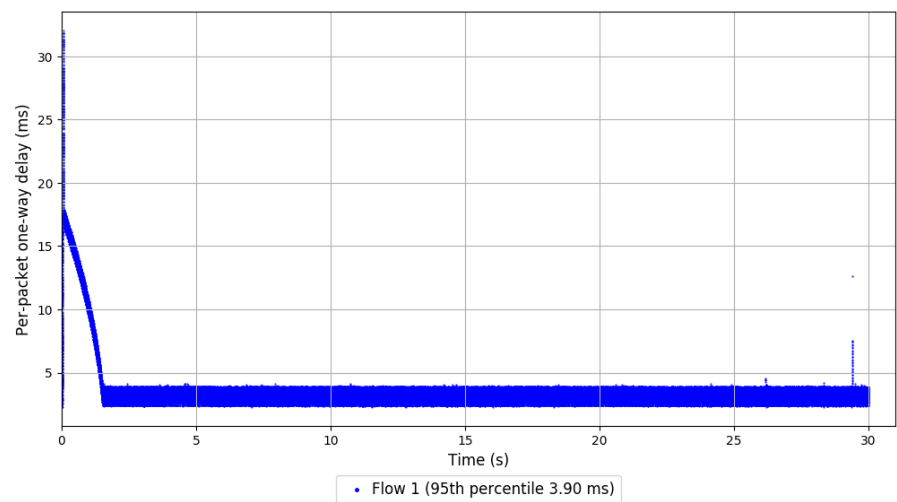
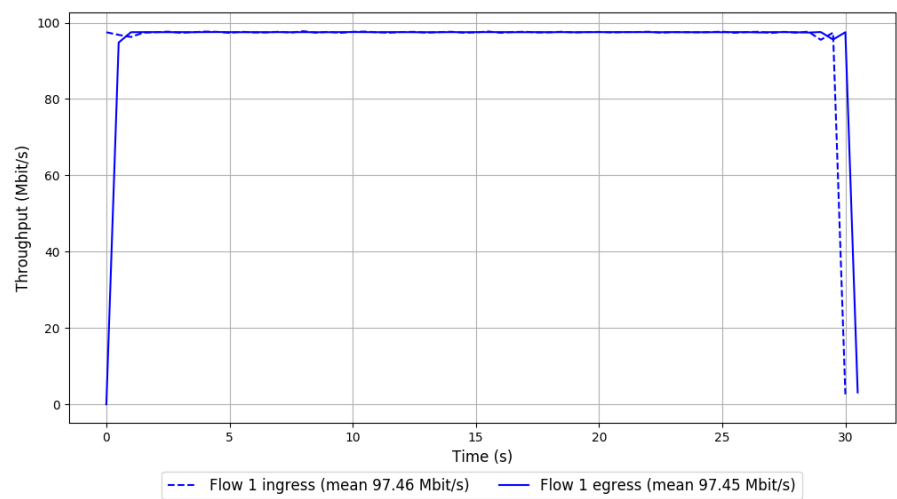


Run 8: Statistics of TCP Vegas

Start at: 2018-07-17 11:07:37
End at: 2018-07-17 11:08:07
Local clock offset: -6.787 ms
Remote clock offset: -1.916 ms

Below is generated by plot.py at 2018-07-17 12:27:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 3.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 3.902 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

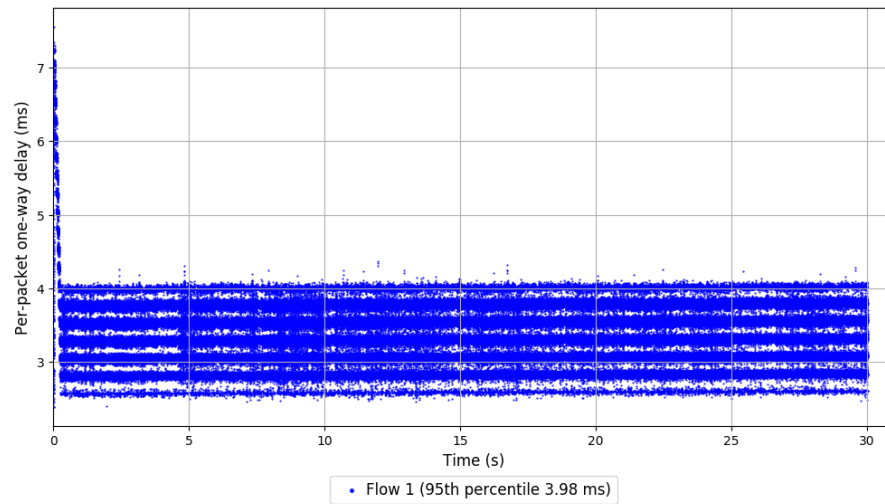
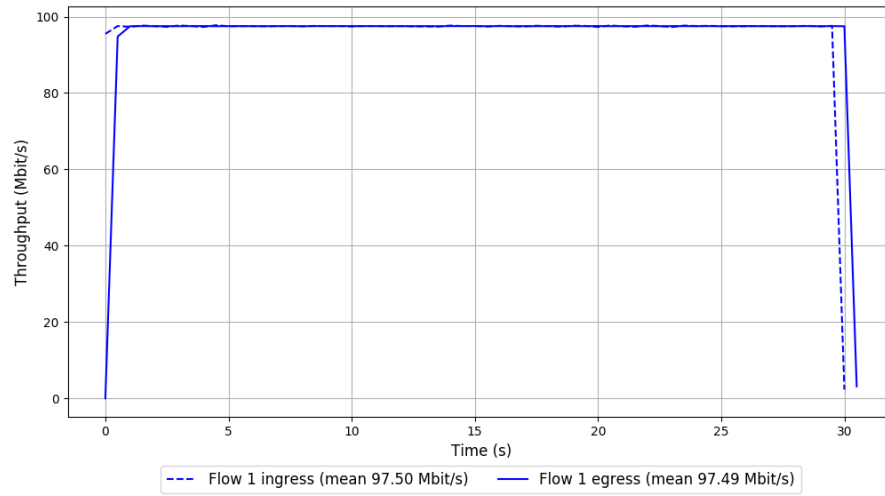


Run 9: Statistics of TCP Vegas

Start at: 2018-07-17 11:26:38
End at: 2018-07-17 11:27:08
Local clock offset: -6.933 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2018-07-17 12:27:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 3.977 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-17 11:45:40

End at: 2018-07-17 11:46:10

Local clock offset: -6.27 ms

Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-07-17 12:27:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.770 ms

Loss rate: 0.00%

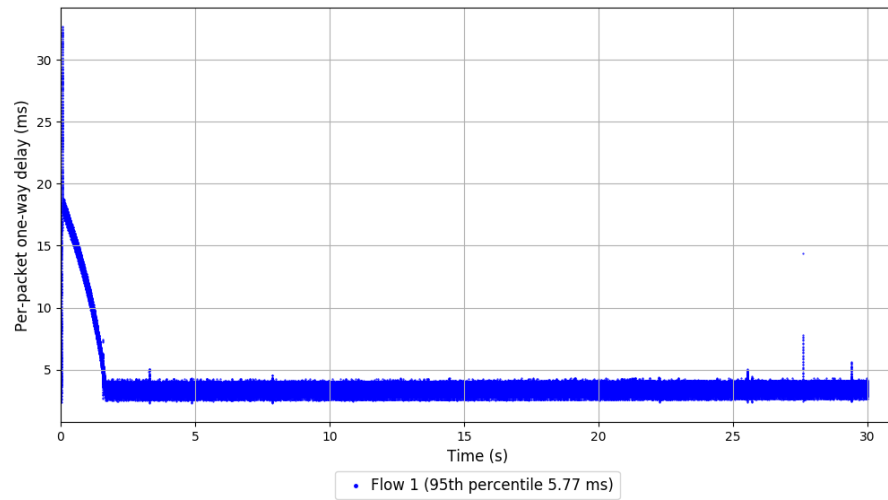
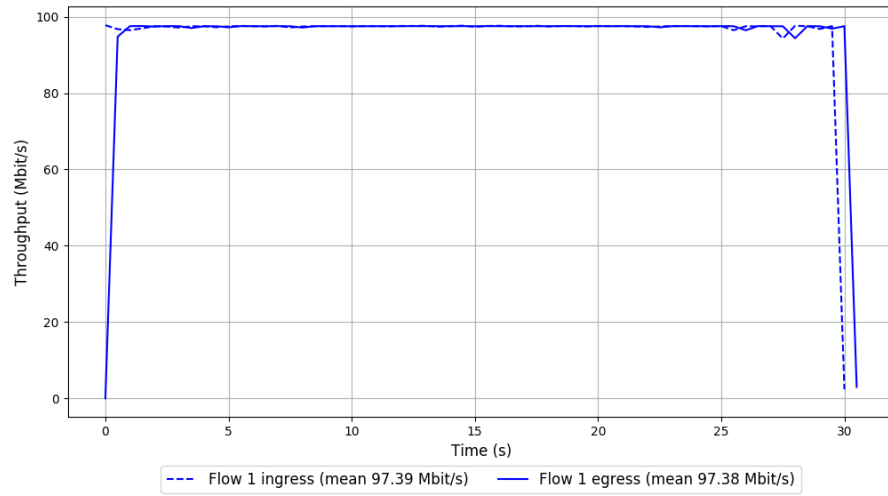
-- Flow 1:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.770 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

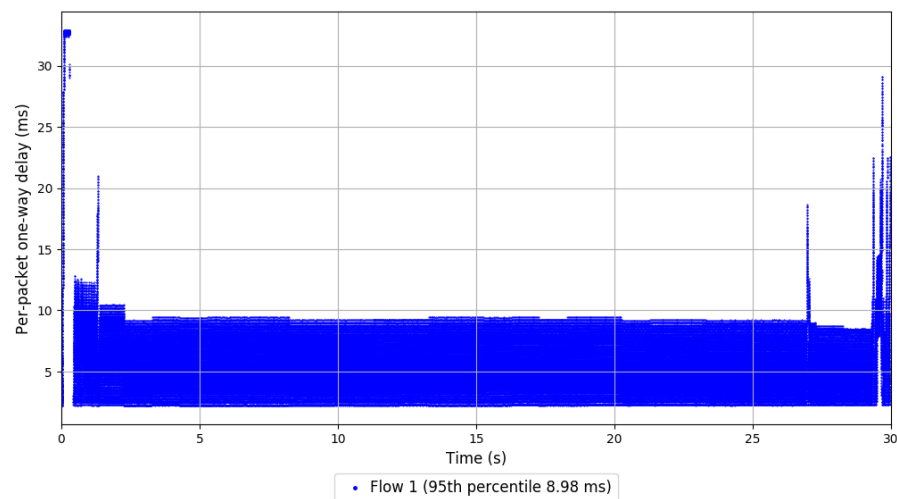
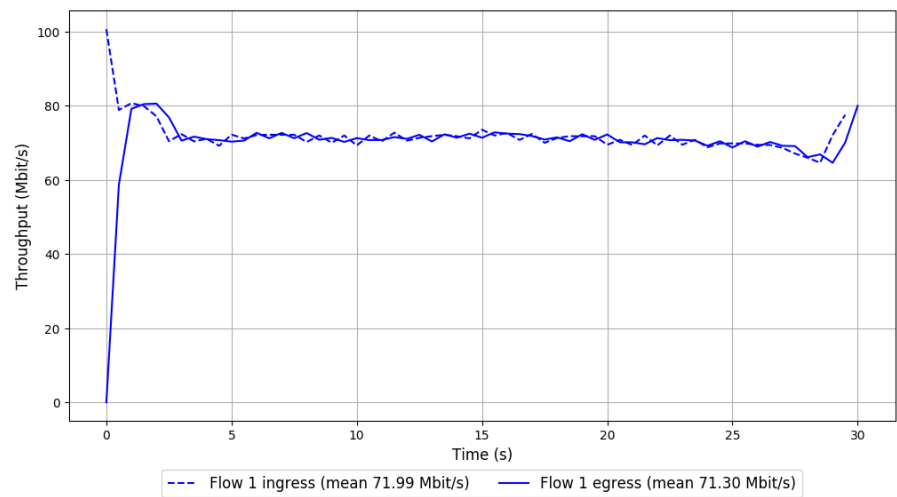


Run 1: Statistics of Verus

Start at: 2018-07-17 08:57:42
End at: 2018-07-17 08:58:12
Local clock offset: 3.302 ms
Remote clock offset: -6.867 ms

Below is generated by plot.py at 2018-07-17 12:27:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.30 Mbit/s
95th percentile per-packet one-way delay: 8.978 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 71.30 Mbit/s
95th percentile per-packet one-way delay: 8.978 ms
Loss rate: 0.94%

Run 1: Report of Verus — Data Link

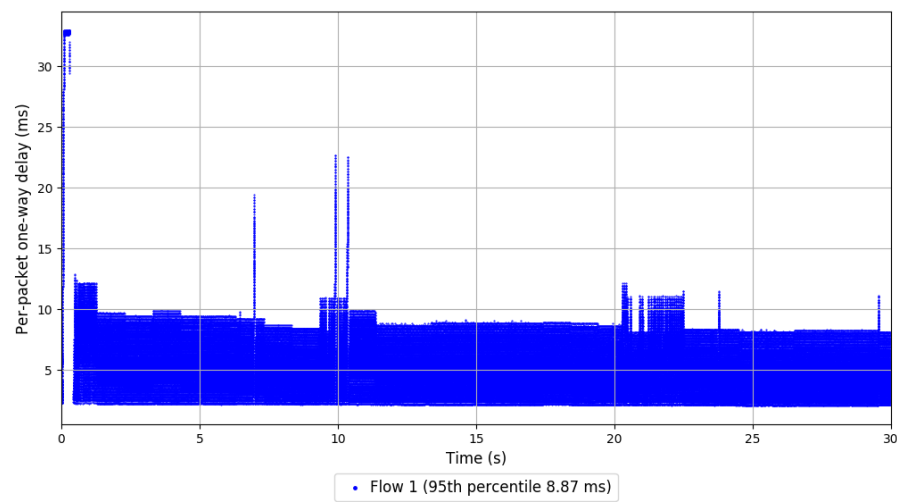
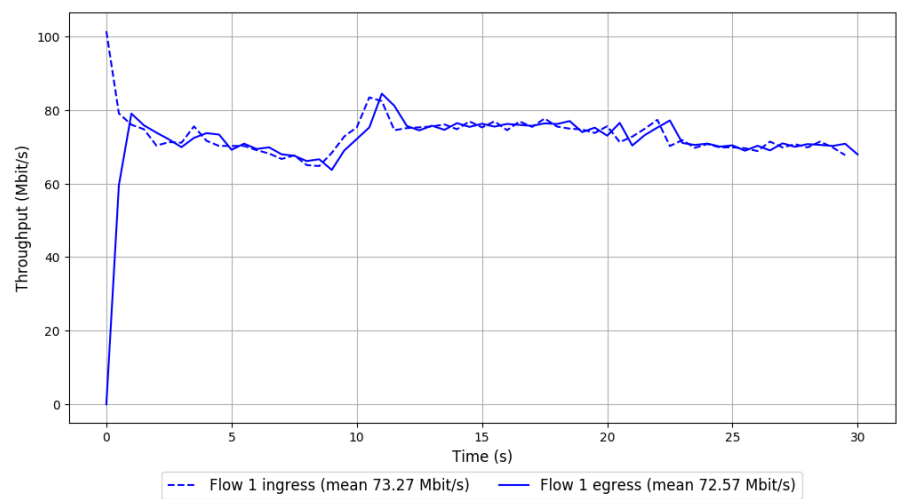


Run 2: Statistics of Verus

Start at: 2018-07-17 09:16:41
End at: 2018-07-17 09:17:11
Local clock offset: 6.203 ms
Remote clock offset: -6.543 ms

Below is generated by plot.py at 2018-07-17 12:27:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 8.867 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 8.867 ms
Loss rate: 0.94%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-17 09:35:43

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

Local clock offset: -3.019 ms

Remote clock offset: -1.83 ms

Below is generated by plot.py at 2018-07-17 12:27:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 9.902 ms

Loss rate: 0.90%

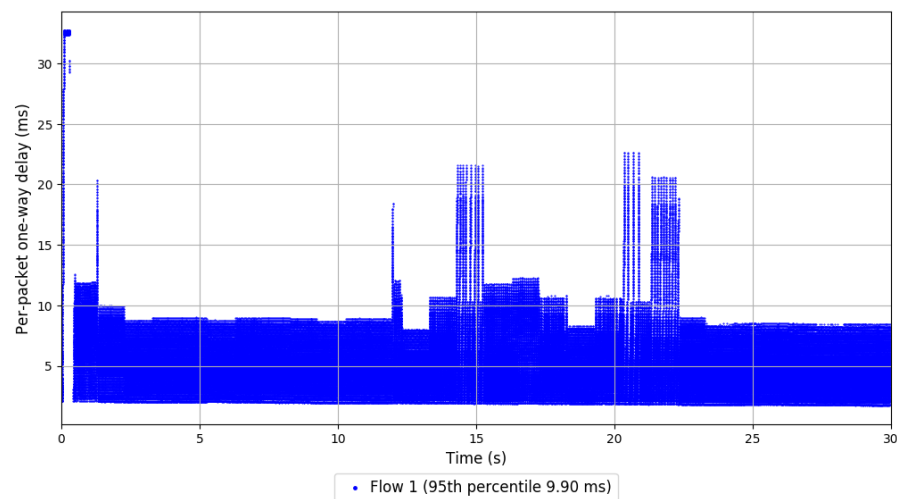
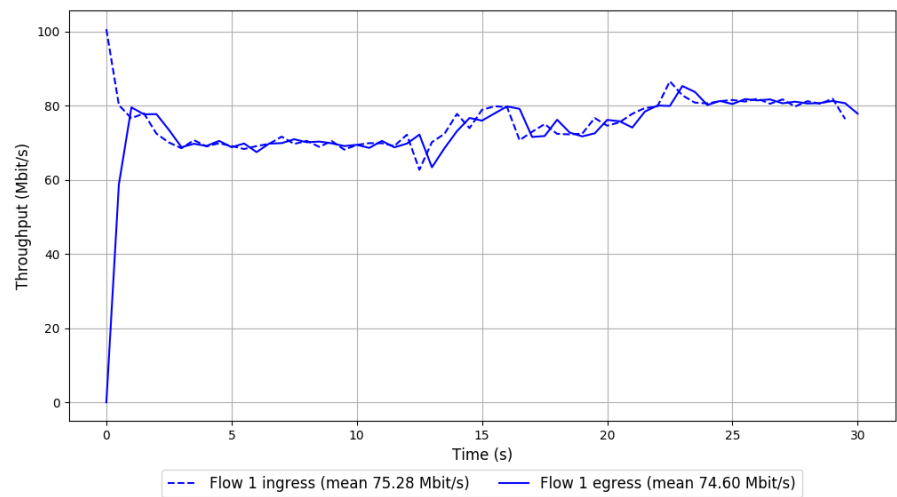
-- Flow 1:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 9.902 ms

Loss rate: 0.90%

Run 3: Report of Verus — Data Link

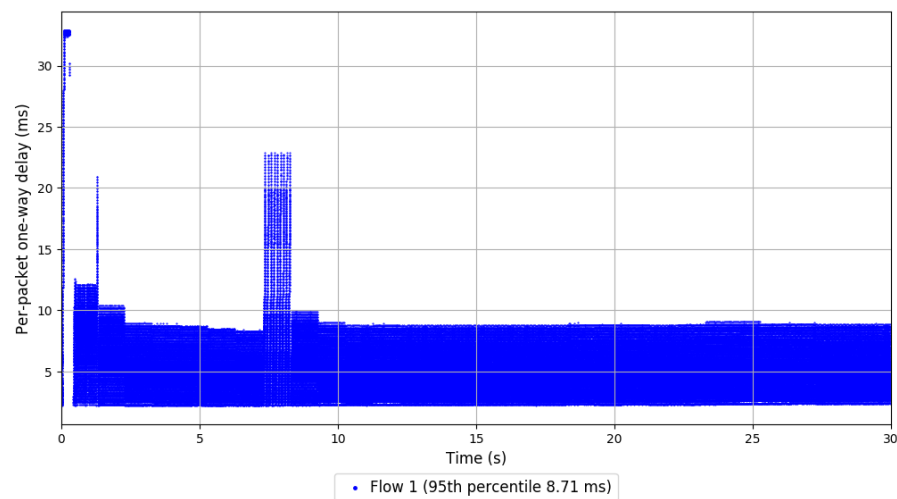
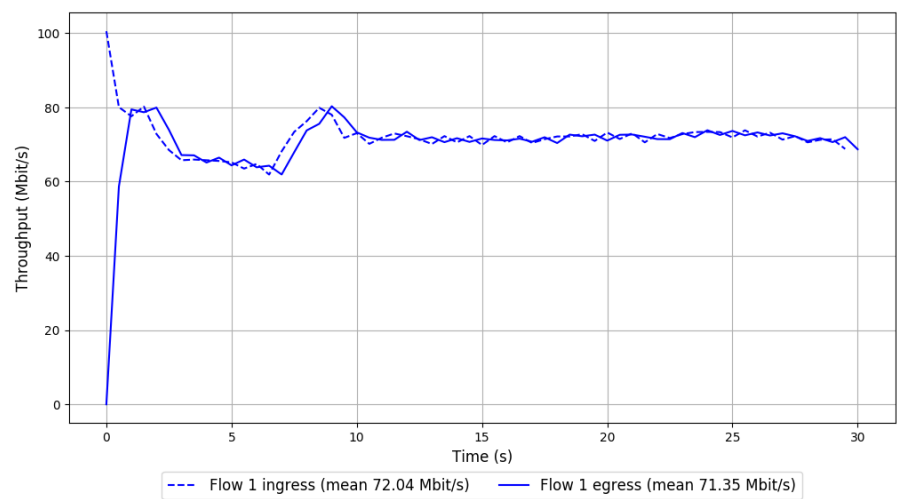


Run 4: Statistics of Verus

Start at: 2018-07-17 09:54:44
End at: 2018-07-17 09:55:14
Local clock offset: -8.566 ms
Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-07-17 12:27:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 0.95%

Run 4: Report of Verus — Data Link

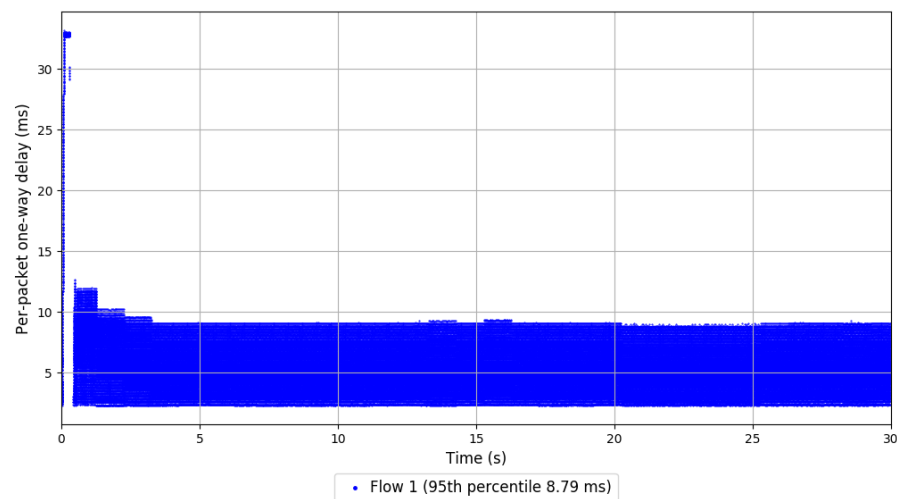
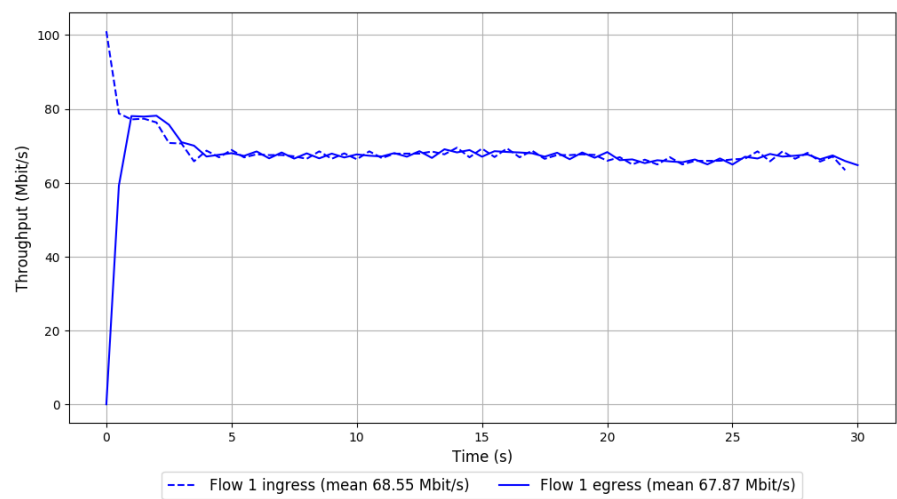


Run 5: Statistics of Verus

Start at: 2018-07-17 10:13:46
End at: 2018-07-17 10:14:16
Local clock offset: -7.61 ms
Remote clock offset: -5.264 ms

Below is generated by plot.py at 2018-07-17 12:28:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 8.788 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 8.788 ms
Loss rate: 0.99%

Run 5: Report of Verus — Data Link

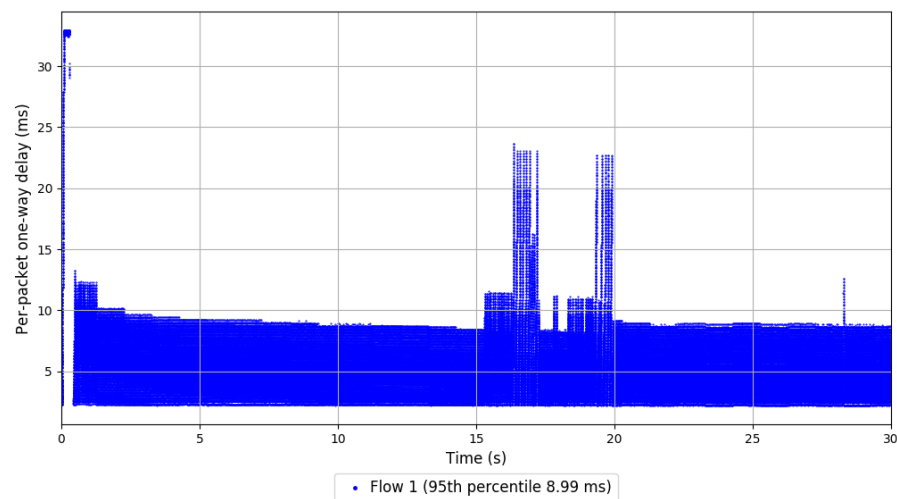
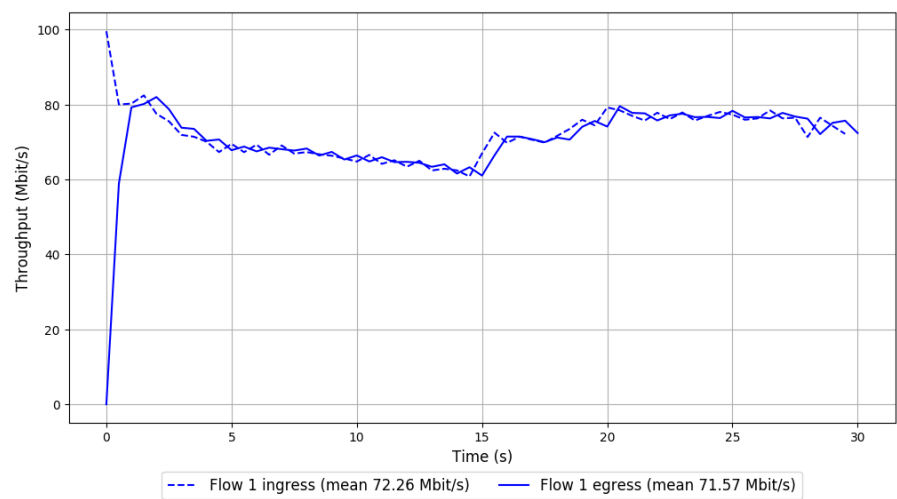


Run 6: Statistics of Verus

Start at: 2018-07-17 10:32:47
End at: 2018-07-17 10:33:17
Local clock offset: -7.169 ms
Remote clock offset: -3.689 ms

Below is generated by plot.py at 2018-07-17 12:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 8.994 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 8.994 ms
Loss rate: 0.94%

Run 6: Report of Verus — Data Link

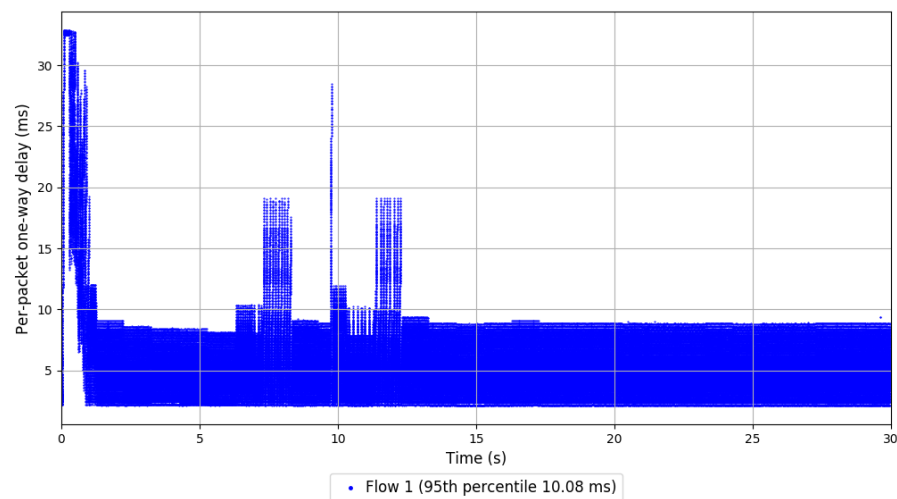
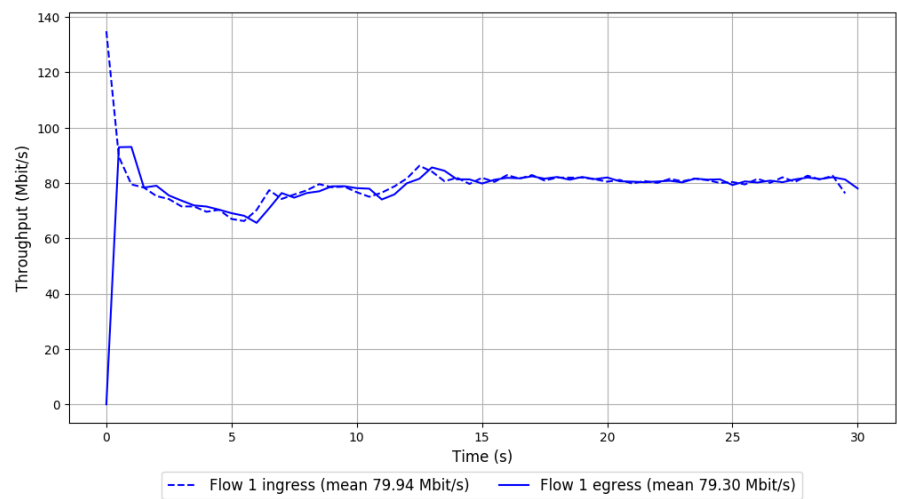


Run 7: Statistics of Verus

Start at: 2018-07-17 10:51:49
End at: 2018-07-17 10:52:19
Local clock offset: -6.972 ms
Remote clock offset: -2.137 ms

Below is generated by plot.py at 2018-07-17 12:28:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 10.083 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 10.083 ms
Loss rate: 0.79%

Run 7: Report of Verus — Data Link

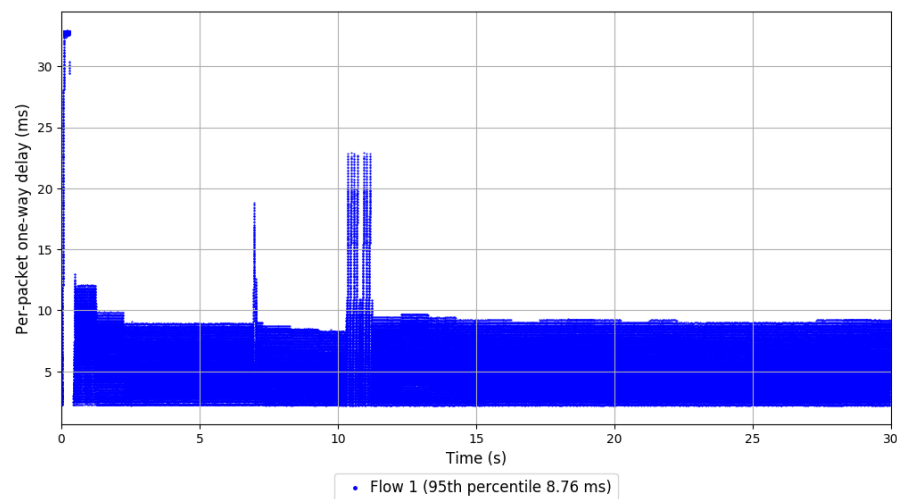
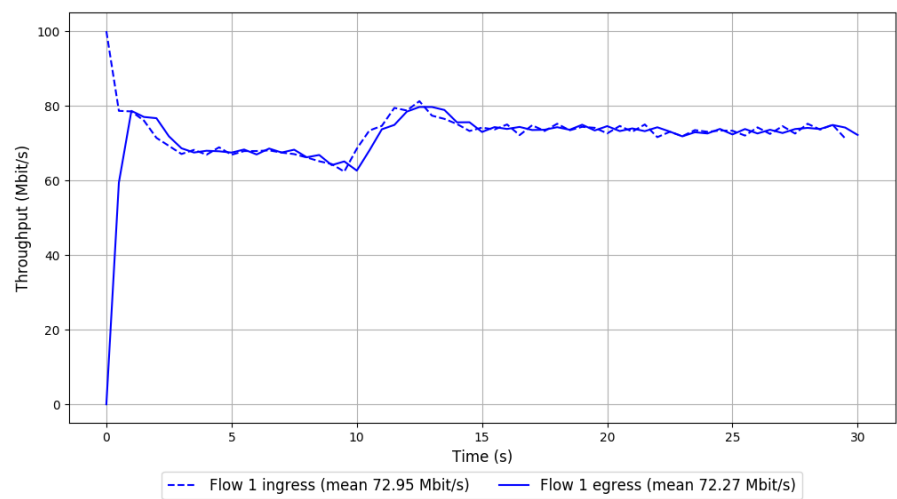


Run 8: Statistics of Verus

Start at: 2018-07-17 11:10:56
End at: 2018-07-17 11:11:26
Local clock offset: -6.821 ms
Remote clock offset: -1.857 ms

Below is generated by plot.py at 2018-07-17 12:28:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 8.762 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 8.762 ms
Loss rate: 0.93%

Run 8: Report of Verus — Data Link

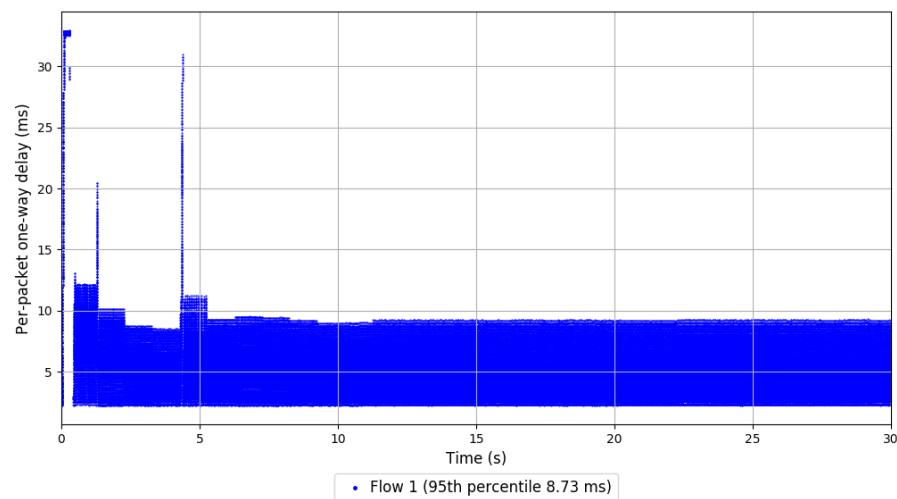
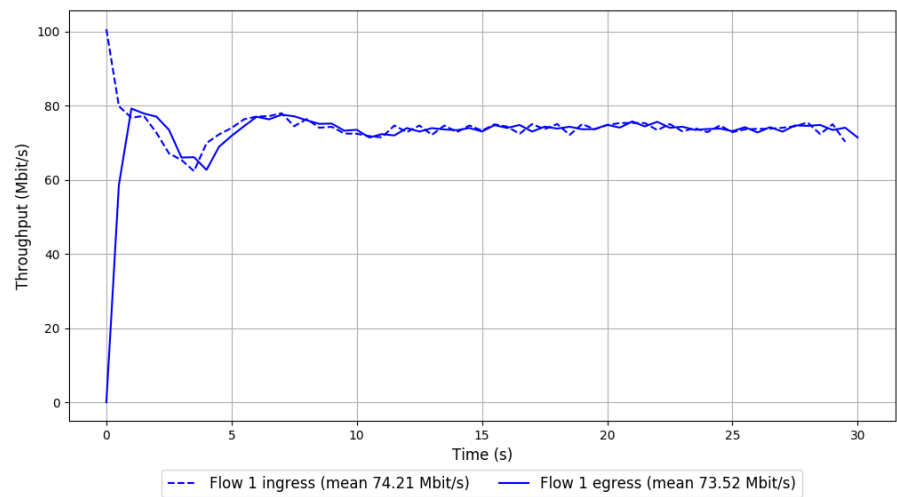


Run 9: Statistics of Verus

Start at: 2018-07-17 11:29:58
End at: 2018-07-17 11:30:28
Local clock offset: -6.716 ms
Remote clock offset: -1.629 ms

Below is generated by plot.py at 2018-07-17 12:28:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.52 Mbit/s
95th percentile per-packet one-way delay: 8.733 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 73.52 Mbit/s
95th percentile per-packet one-way delay: 8.733 ms
Loss rate: 0.91%

Run 9: Report of Verus — Data Link

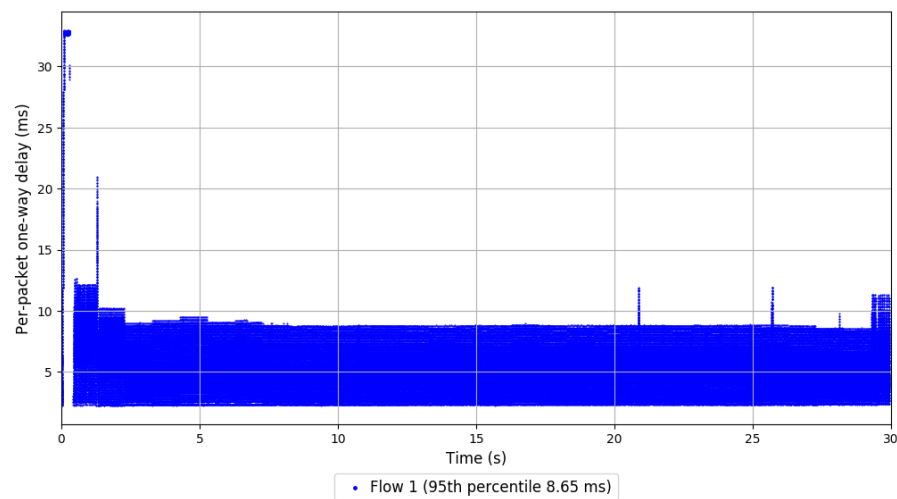
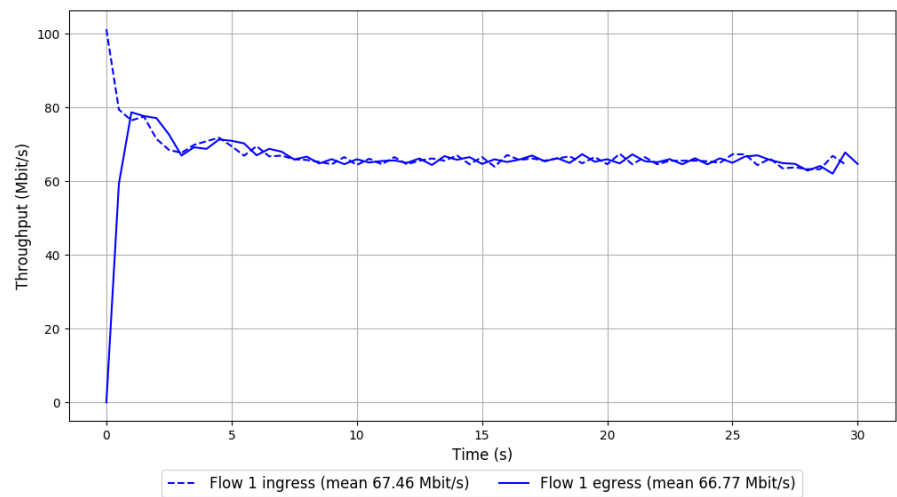


Run 10: Statistics of Verus

Start at: 2018-07-17 11:48:59
End at: 2018-07-17 11:49:29
Local clock offset: -6.176 ms
Remote clock offset: -7.131 ms

Below is generated by plot.py at 2018-07-17 12:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 8.647 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 8.647 ms
Loss rate: 1.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-17 09:08:49

End at: 2018-07-17 09:09:19

Local clock offset: 4.997 ms

Remote clock offset: -6.623 ms

Below is generated by plot.py at 2018-07-17 12:29:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 2.569 ms

Loss rate: 0.00%

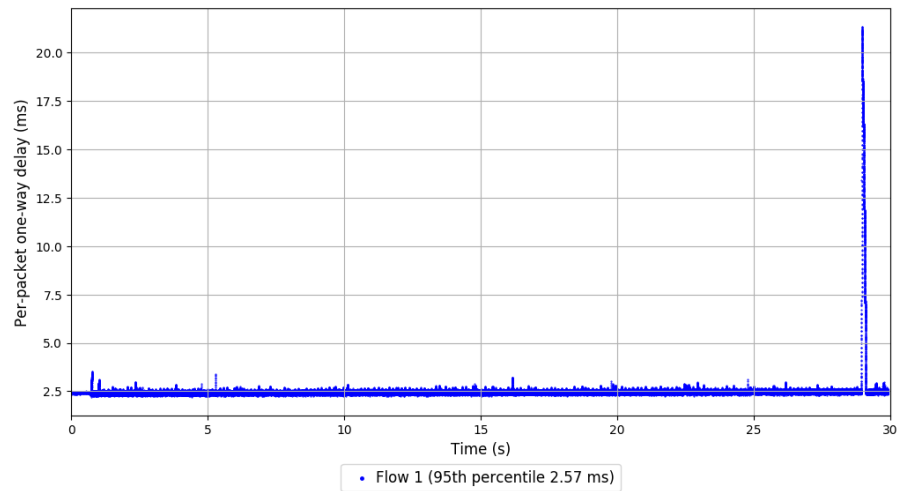
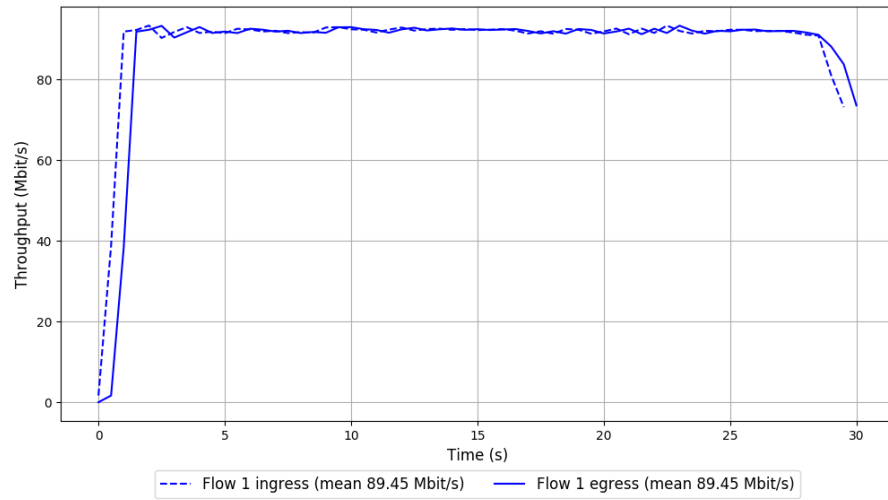
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 2.569 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-17 09:27:51

End at: 2018-07-17 09:28:21

Local clock offset: 4.035 ms

Remote clock offset: -2.963 ms

Below is generated by plot.py at 2018-07-17 12:29:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 1.803 ms

Loss rate: 0.00%

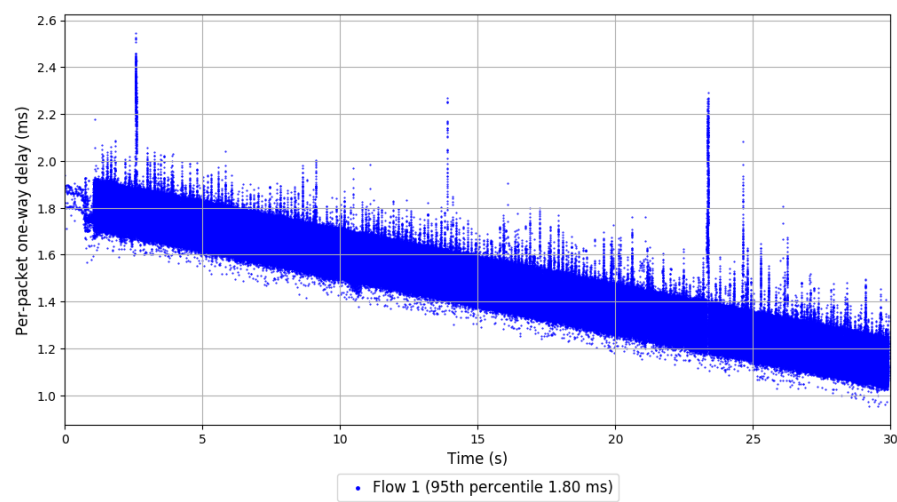
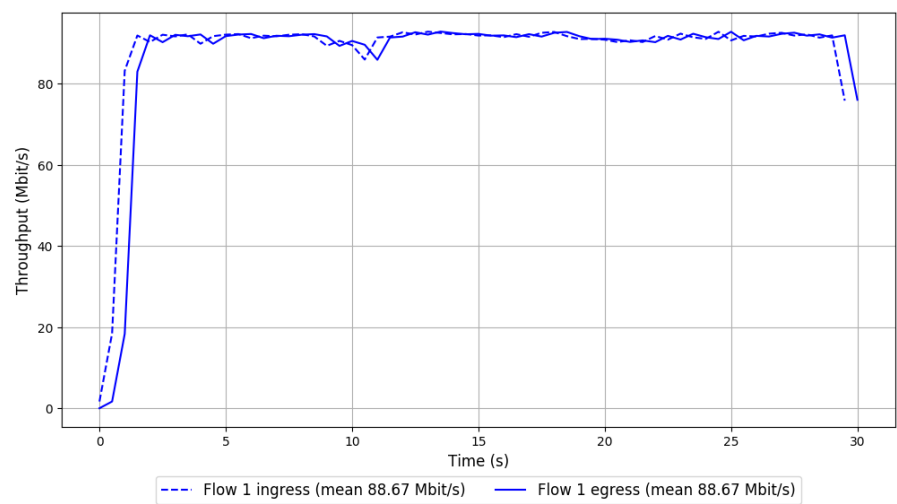
-- Flow 1:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 1.803 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

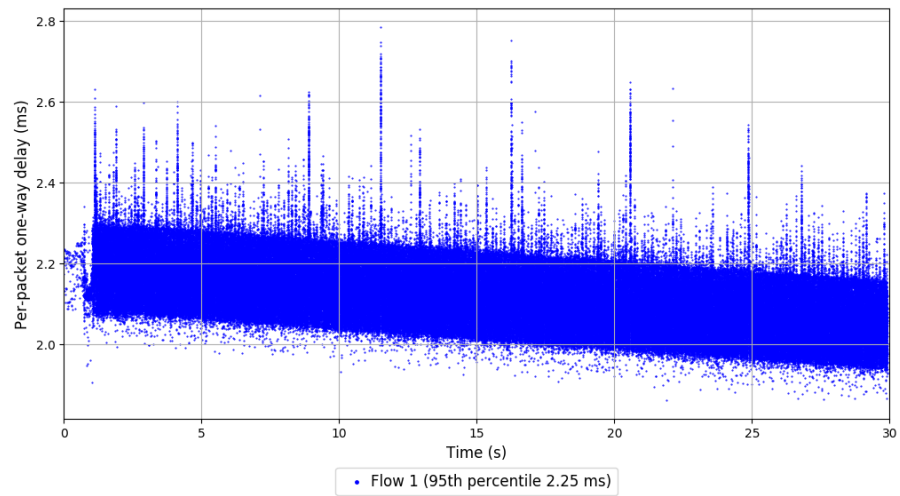
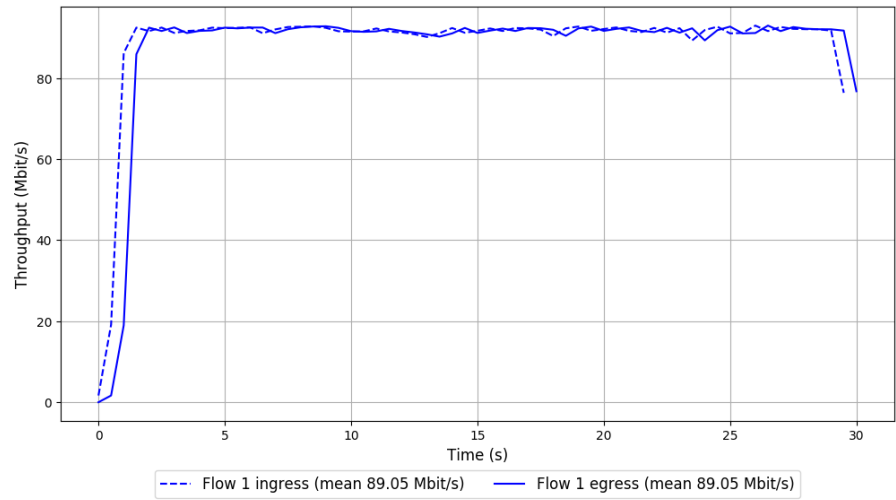


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-17 09:46:52
End at: 2018-07-17 09:47:22
Local clock offset: -7.136 ms
Remote clock offset: -0.947 ms

Below is generated by plot.py at 2018-07-17 12:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 2.252 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-17 10:05:54

End at: 2018-07-17 10:06:24

Local clock offset: -7.513 ms

Remote clock offset: -4.621 ms

Below is generated by plot.py at 2018-07-17 12:29:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 2.611 ms

Loss rate: 0.00%

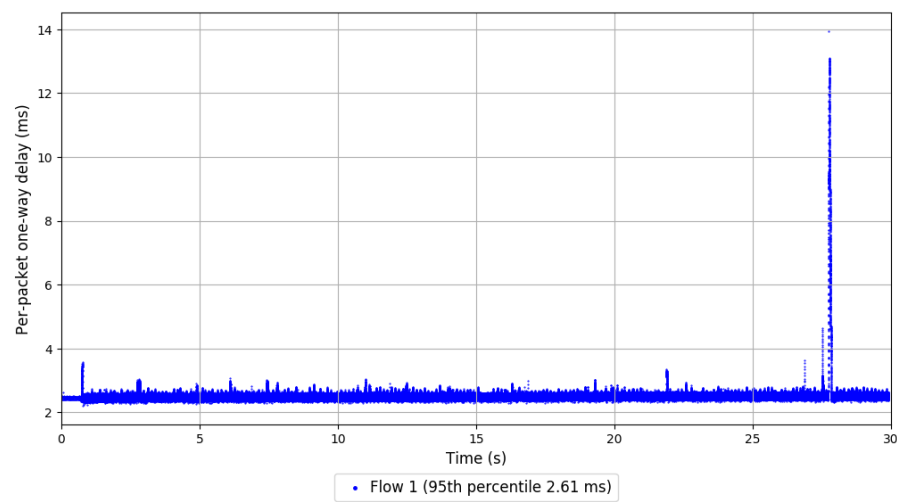
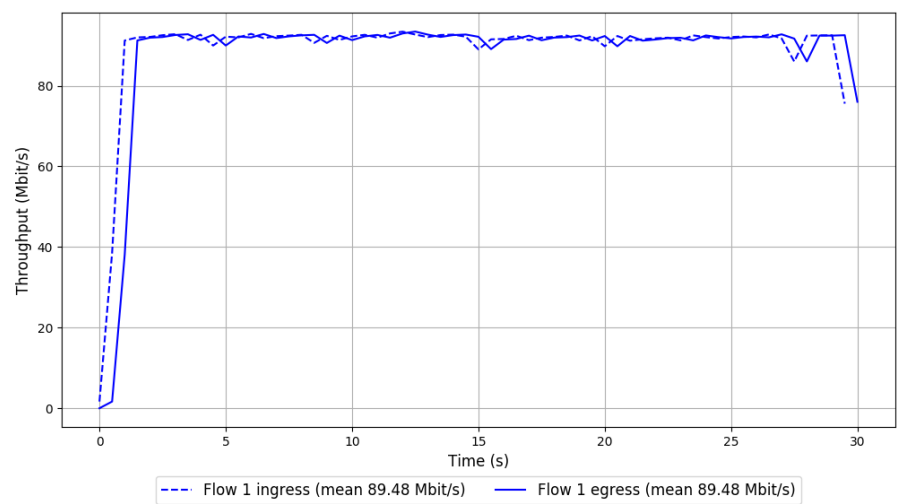
-- Flow 1:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 2.611 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

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

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

Local clock offset: -8.02 ms

Remote clock offset: -5.535 ms

Below is generated by plot.py at 2018-07-17 12:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 2.436 ms

Loss rate: 0.00%

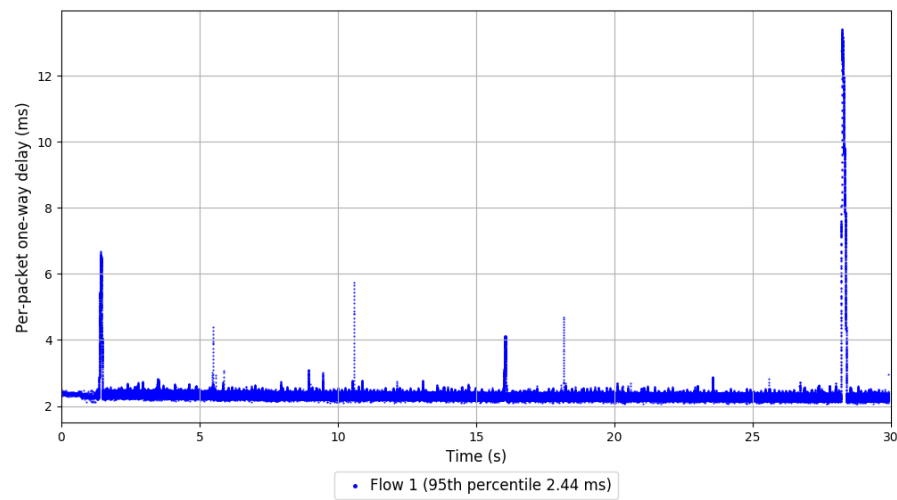
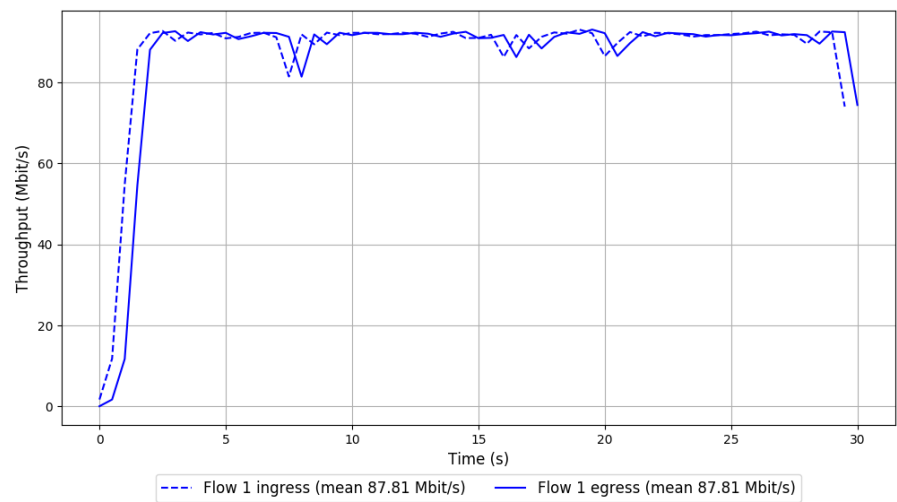
-- Flow 1:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 2.436 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

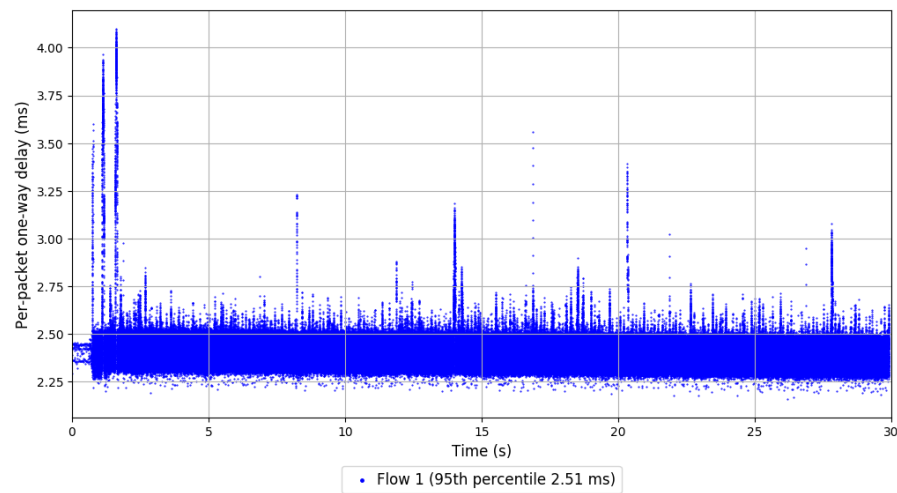
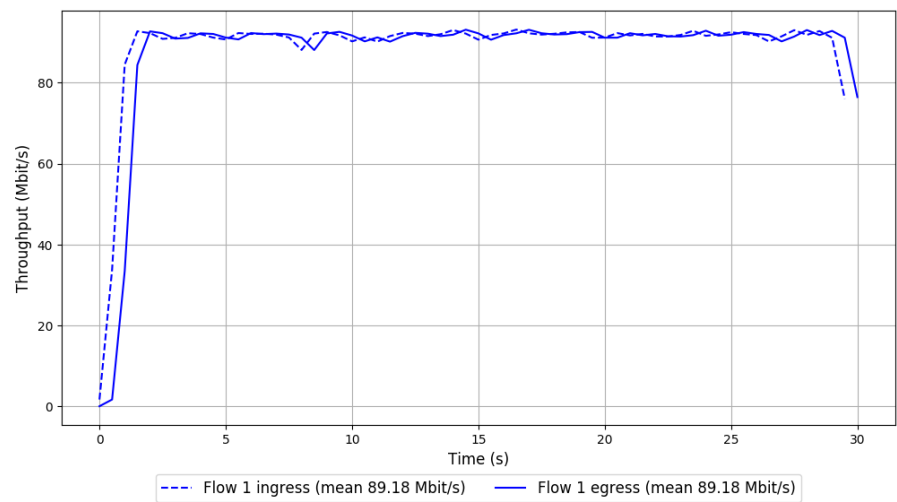


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-17 10:43:57
End at: 2018-07-17 10:44:27
Local clock offset: -6.859 ms
Remote clock offset: -2.417 ms

Below is generated by plot.py at 2018-07-17 12:29:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 2.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 2.510 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

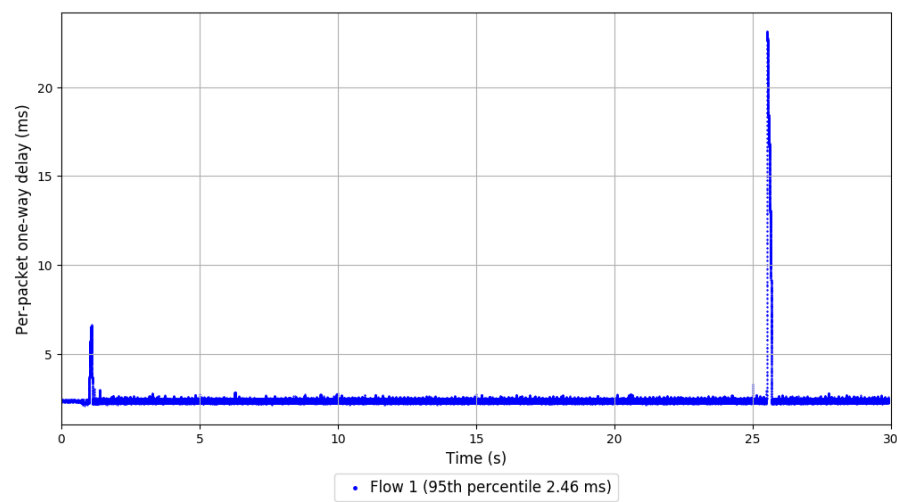
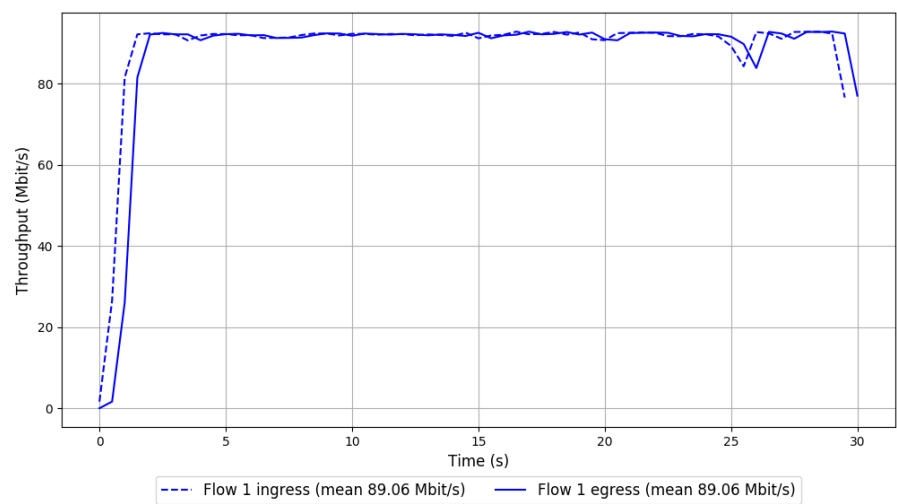


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-17 11:03:04
End at: 2018-07-17 11:03:34
Local clock offset: -6.806 ms
Remote clock offset: -1.876 ms

Below is generated by plot.py at 2018-07-17 12:29:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

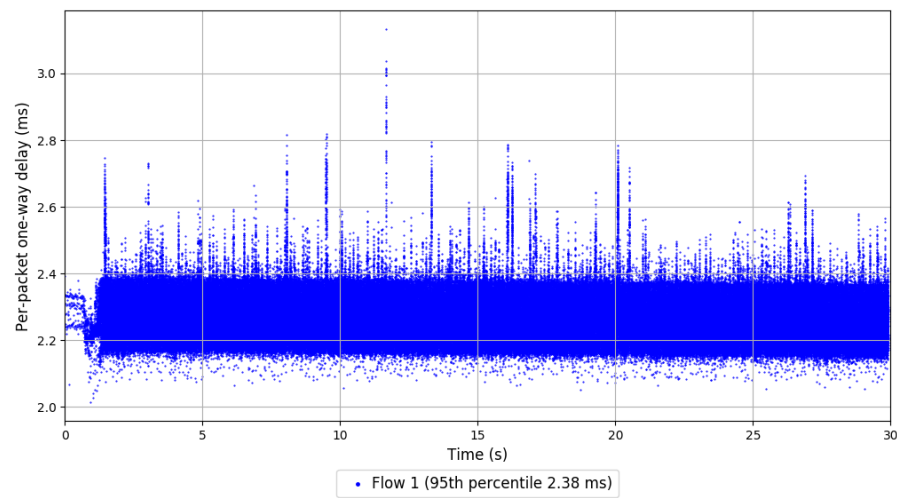
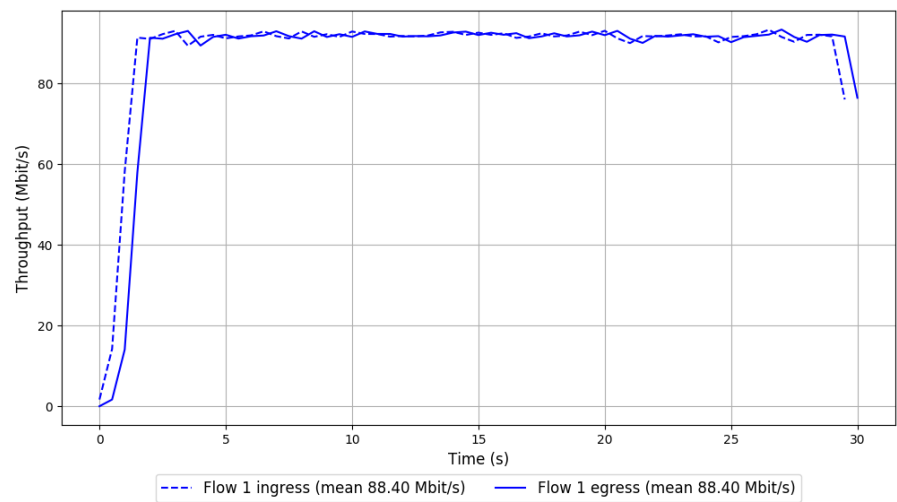


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-17 11:22:05
End at: 2018-07-17 11:22:35
Local clock offset: -6.994 ms
Remote clock offset: -1.762 ms

Below is generated by plot.py at 2018-07-17 12:29:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 2.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 2.375 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

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

End at: 2018-07-17 11:41:37

Local clock offset: -6.243 ms

Remote clock offset: -5.27 ms

Below is generated by plot.py at 2018-07-17 12:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.11 Mbit/s

95th percentile per-packet one-way delay: 2.712 ms

Loss rate: 0.00%

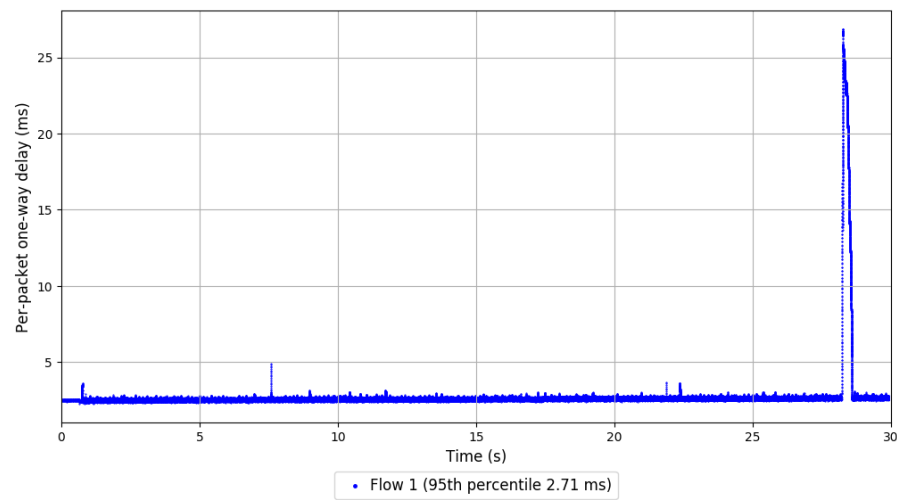
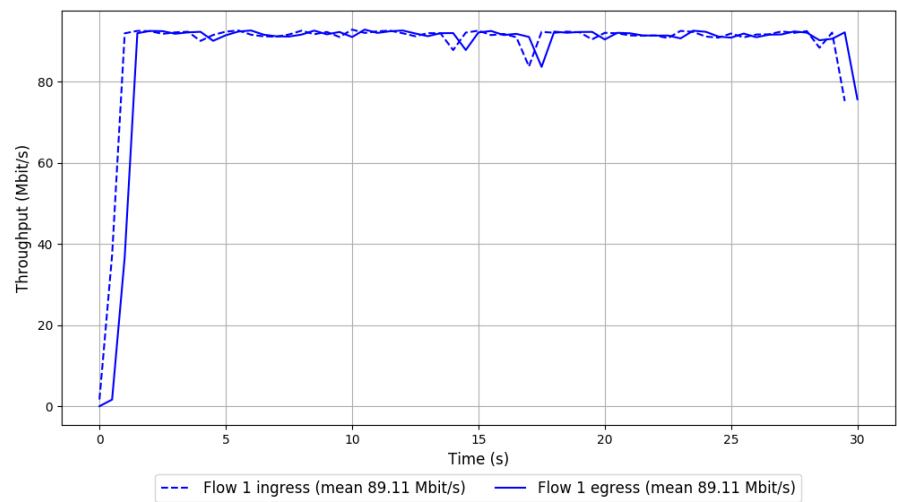
-- Flow 1:

Average throughput: 89.11 Mbit/s

95th percentile per-packet one-way delay: 2.712 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-17 12:00:08

End at: 2018-07-17 12:00:39

Local clock offset: -6.063 ms

Remote clock offset: -8.437 ms

Below is generated by plot.py at 2018-07-17 12:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 2.510 ms

Loss rate: 0.00%

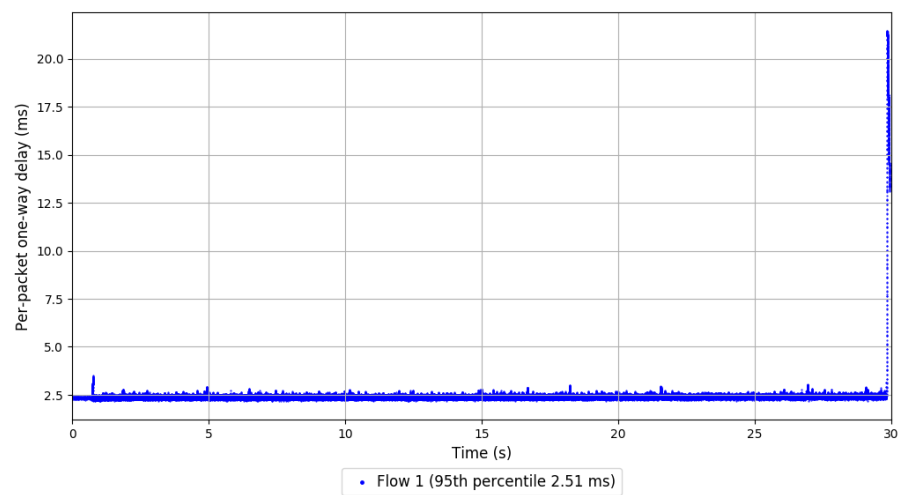
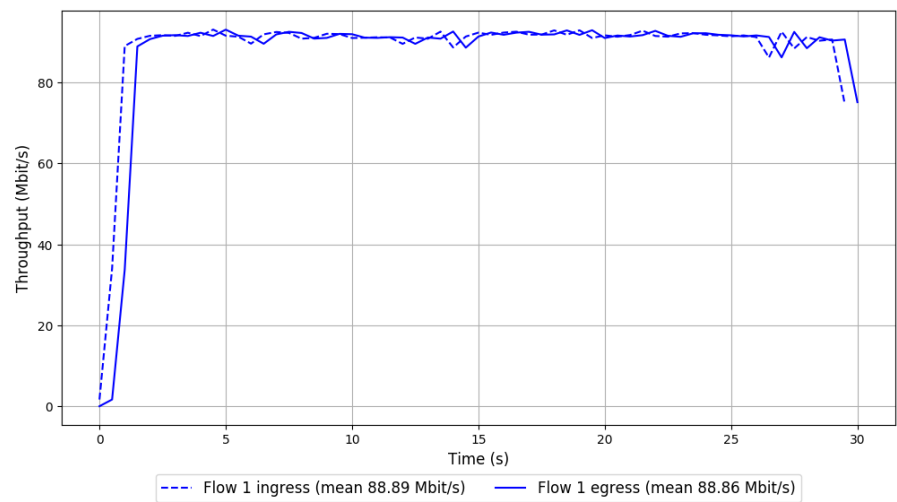
-- Flow 1:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 2.510 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-17 08:59:59

End at: 2018-07-17 09:00:29

Local clock offset: 3.641 ms

Remote clock offset: -6.72 ms

Below is generated by plot.py at 2018-07-17 12:29:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 2.887 ms

Loss rate: 0.00%

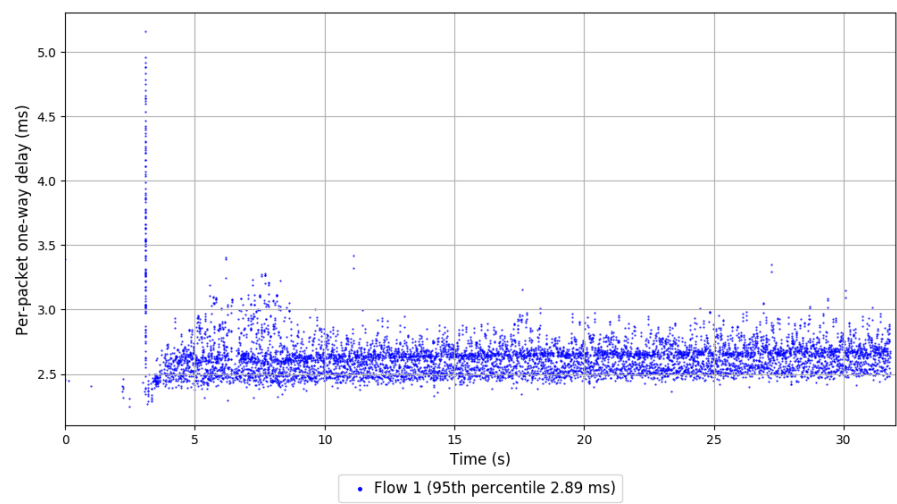
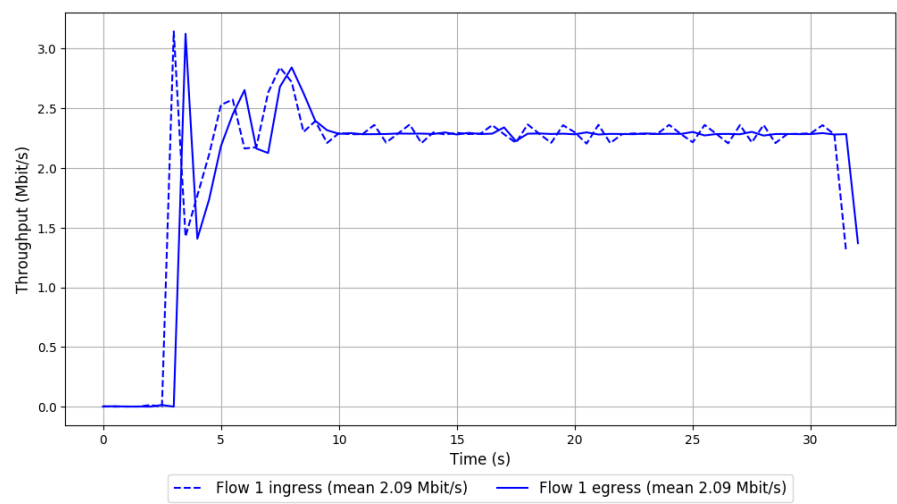
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 2.887 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

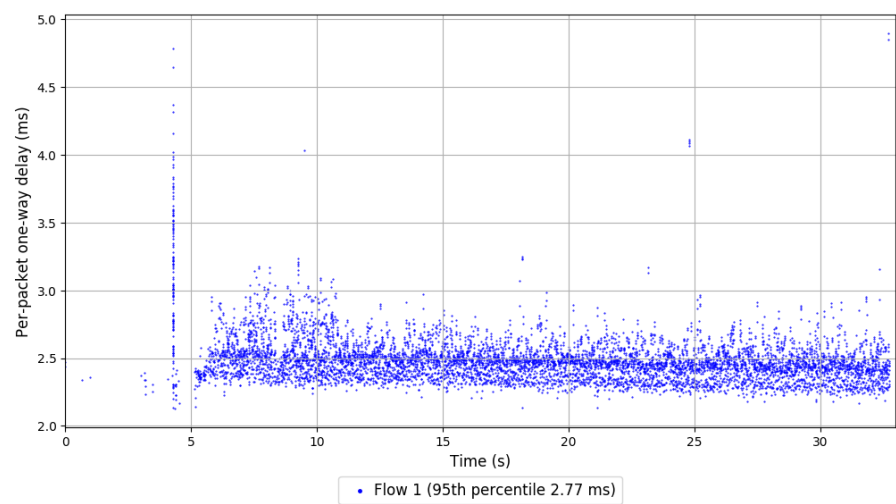
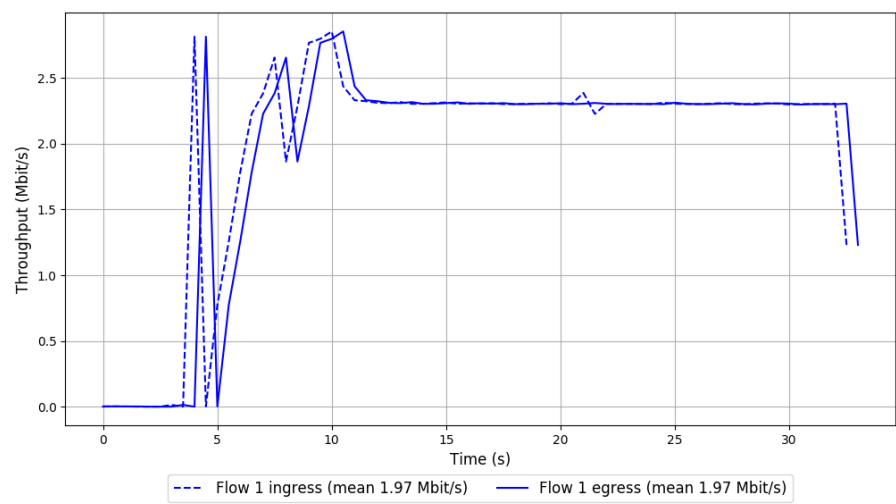


Run 2: Statistics of WebRTC media

Start at: 2018-07-17 09:18:58
End at: 2018-07-17 09:19:28
Local clock offset: 6.556 ms
Remote clock offset: -5.518 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.765 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

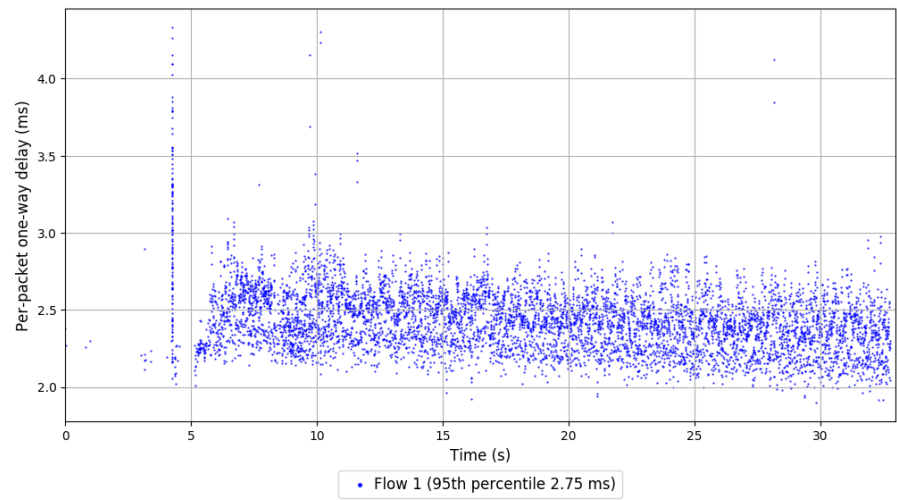
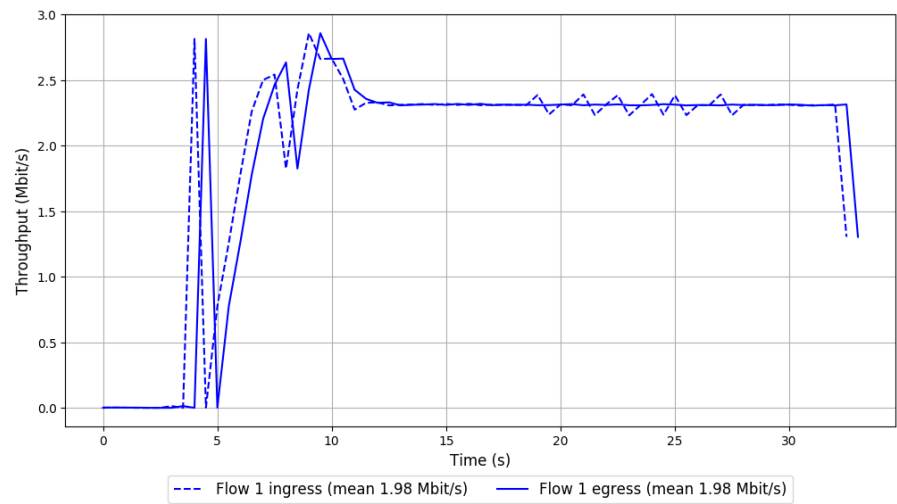


Run 3: Statistics of WebRTC media

Start at: 2018-07-17 09:38:00
End at: 2018-07-17 09:38:30
Local clock offset: -4.203 ms
Remote clock offset: -1.567 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

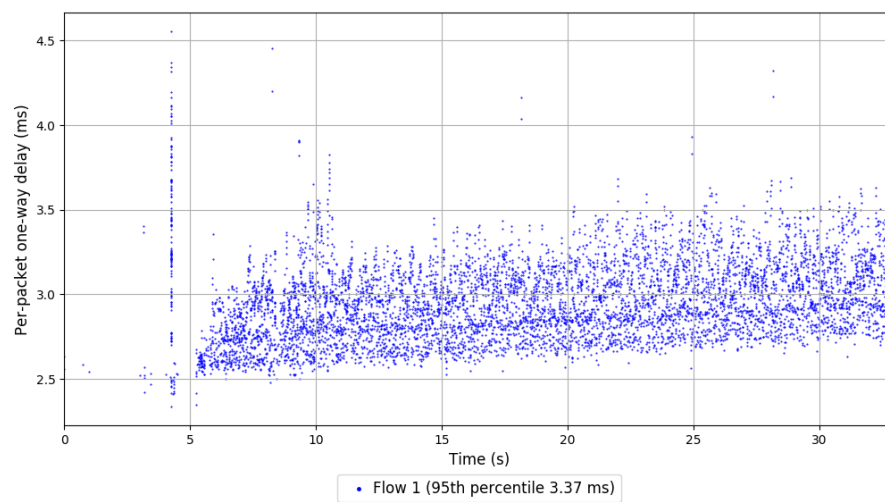
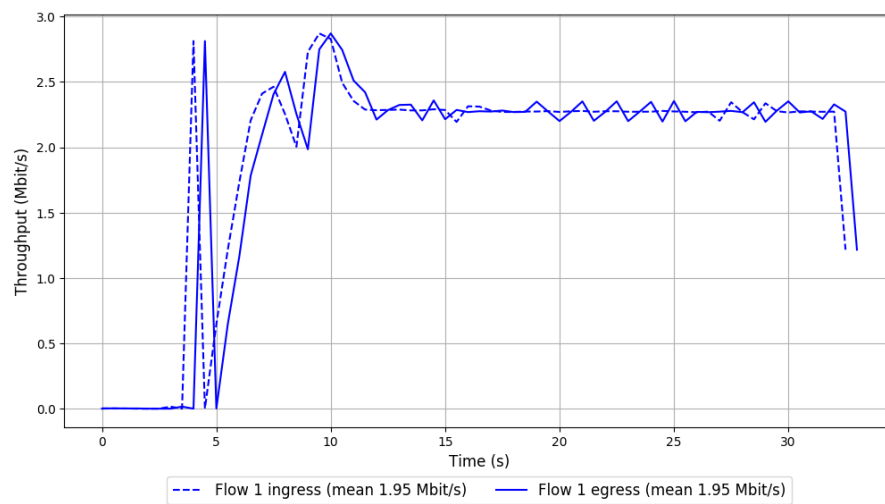


Run 4: Statistics of WebRTC media

Start at: 2018-07-17 09:57:01
End at: 2018-07-17 09:57:31
Local clock offset: -8.34 ms
Remote clock offset: -3.044 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

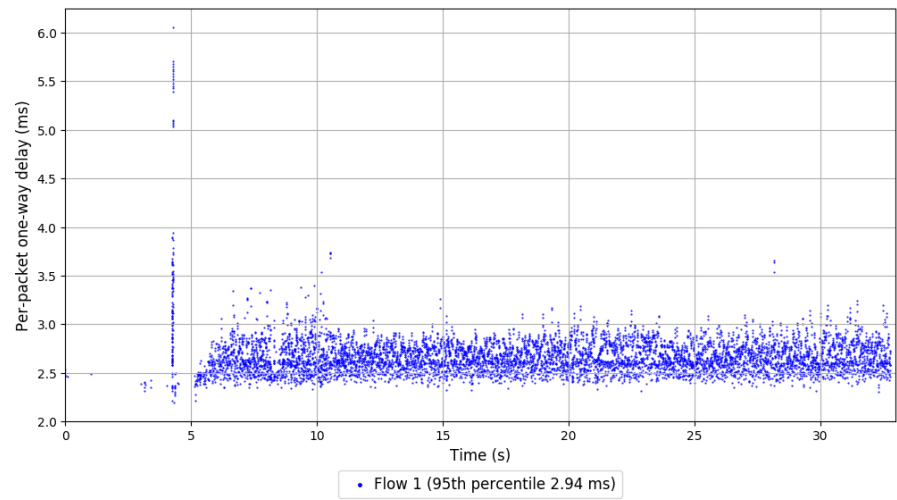
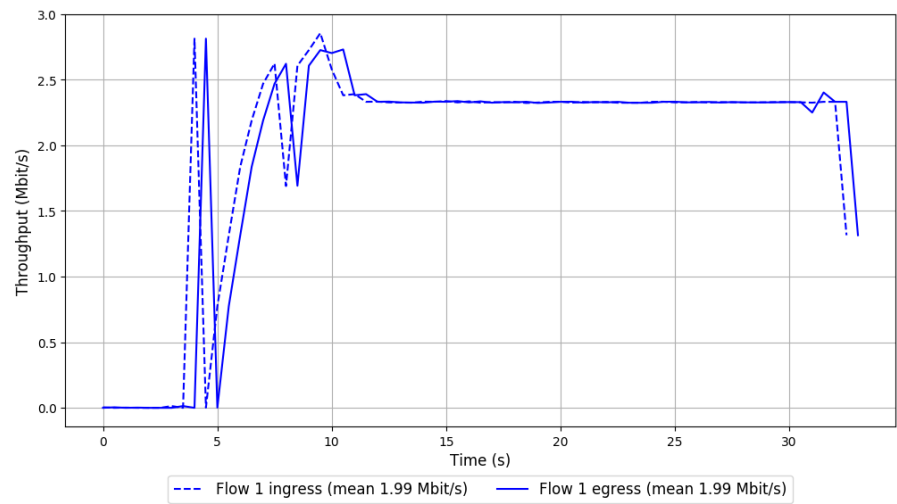


Run 5: Statistics of WebRTC media

Start at: 2018-07-17 10:16:03
End at: 2018-07-17 10:16:33
Local clock offset: -7.61 ms
Remote clock offset: -5.309 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.937 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

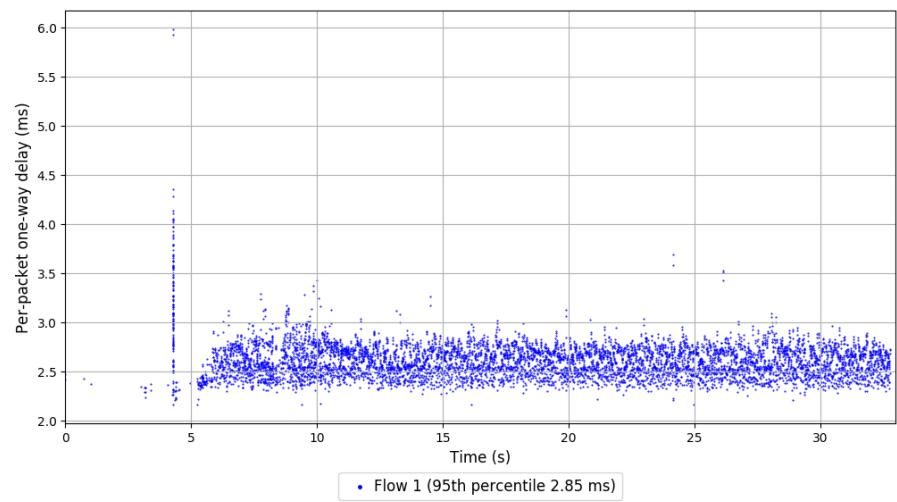
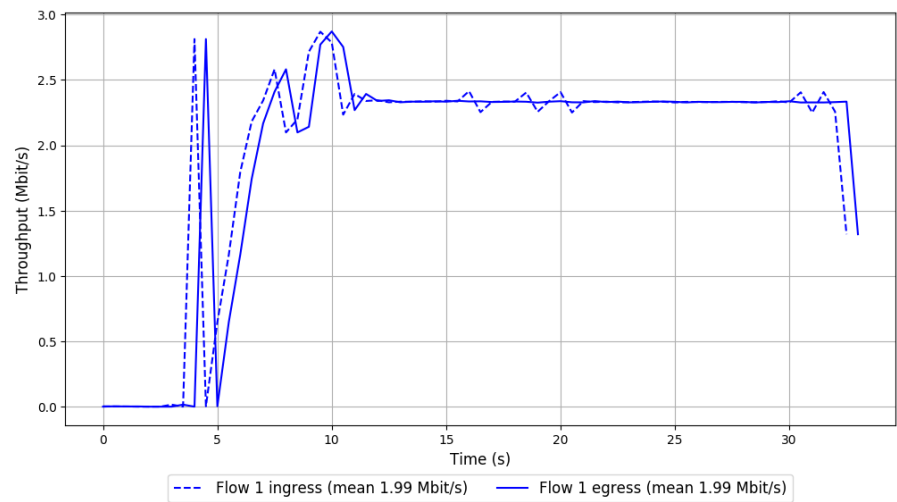


Run 6: Statistics of WebRTC media

Start at: 2018-07-17 10:35:04
End at: 2018-07-17 10:35:34
Local clock offset: -6.975 ms
Remote clock offset: -3.284 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.852 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

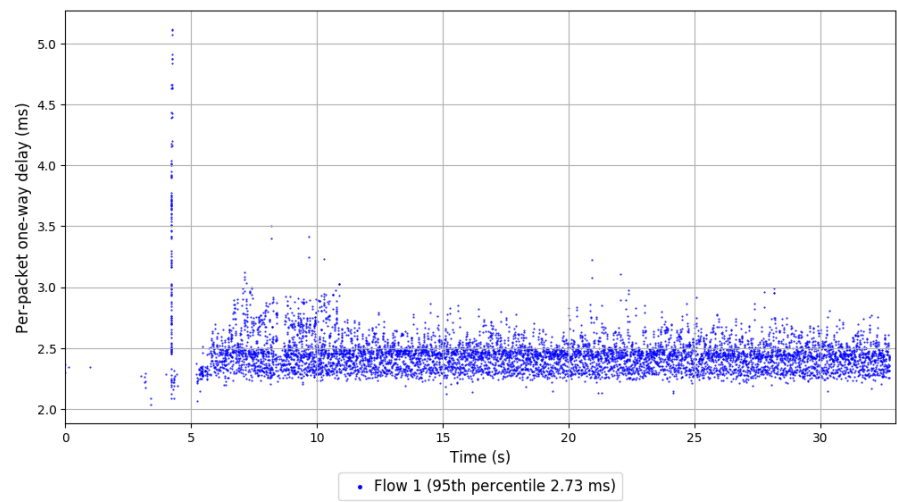
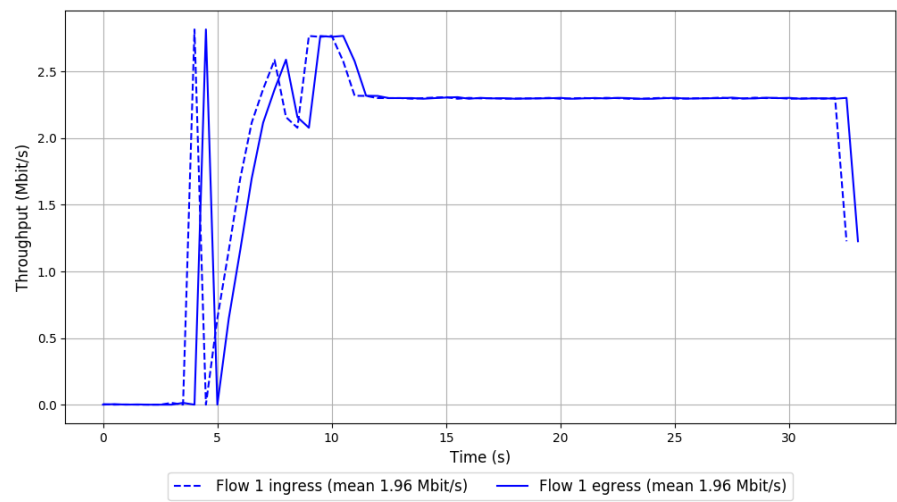


Run 7: Statistics of WebRTC media

Start at: 2018-07-17 10:54:11
End at: 2018-07-17 10:54:41
Local clock offset: -7.014 ms
Remote clock offset: -2.017 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 2.725 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

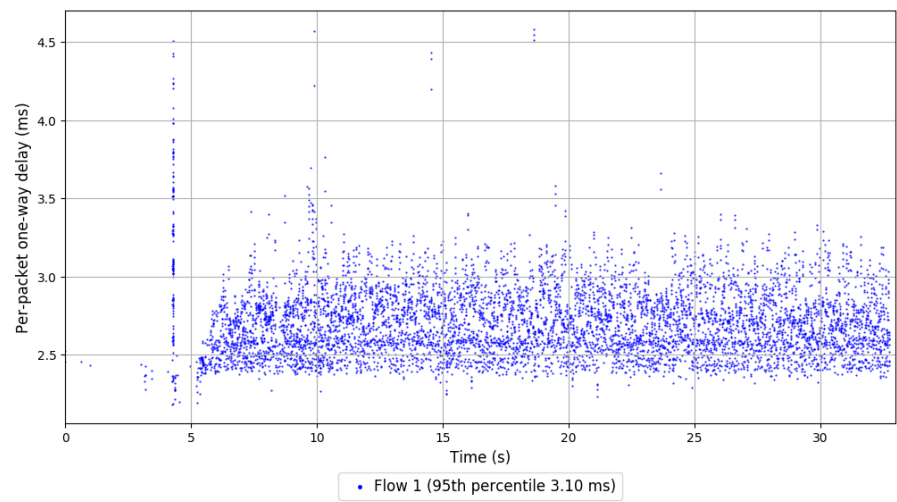
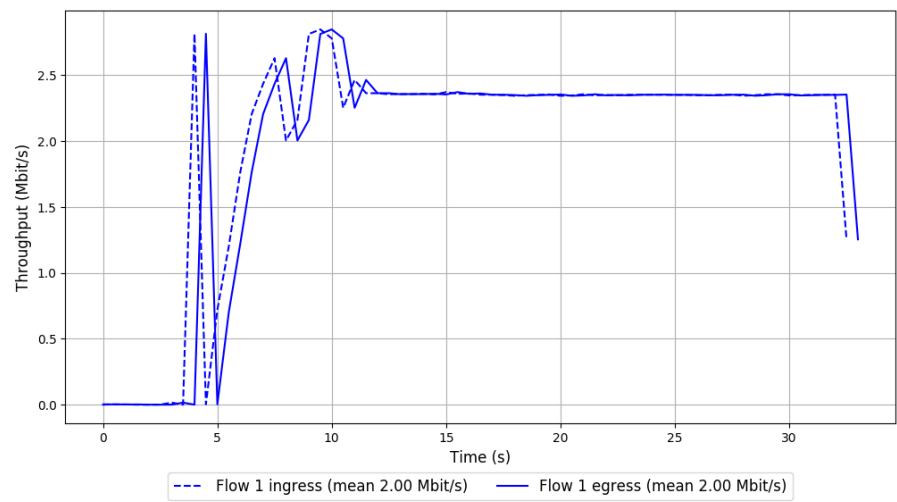


Run 8: Statistics of WebRTC media

Start at: 2018-07-17 11:13:13
End at: 2018-07-17 11:13:43
Local clock offset: -6.837 ms
Remote clock offset: -1.777 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

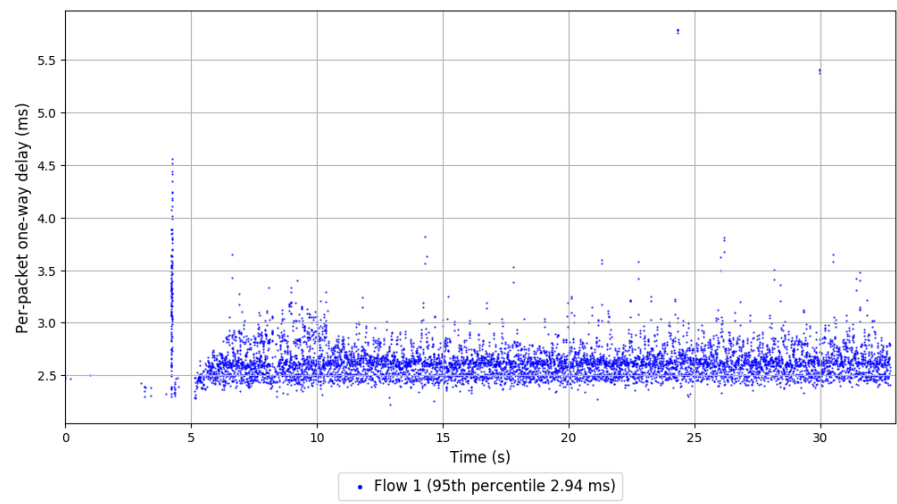
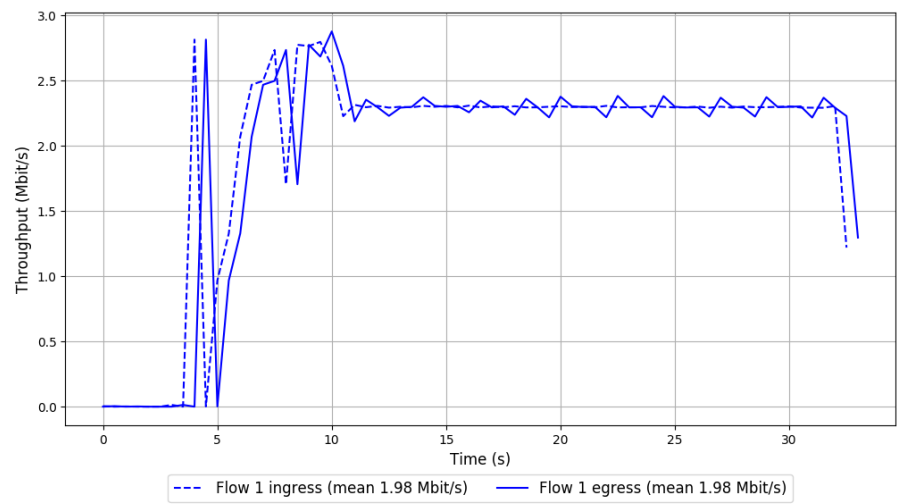


Run 9: Statistics of WebRTC media

Start at: 2018-07-17 11:32:15
End at: 2018-07-17 11:32:45
Local clock offset: -6.51 ms
Remote clock offset: -1.439 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.943 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-17 11:51:16
End at: 2018-07-17 11:51:46
Local clock offset: -6.181 ms
Remote clock offset: -7.401 ms

Below is generated by plot.py at 2018-07-17 12:29:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.018 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

