

Pantheon Report

Generated at 2018-07-03 14:00:13 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

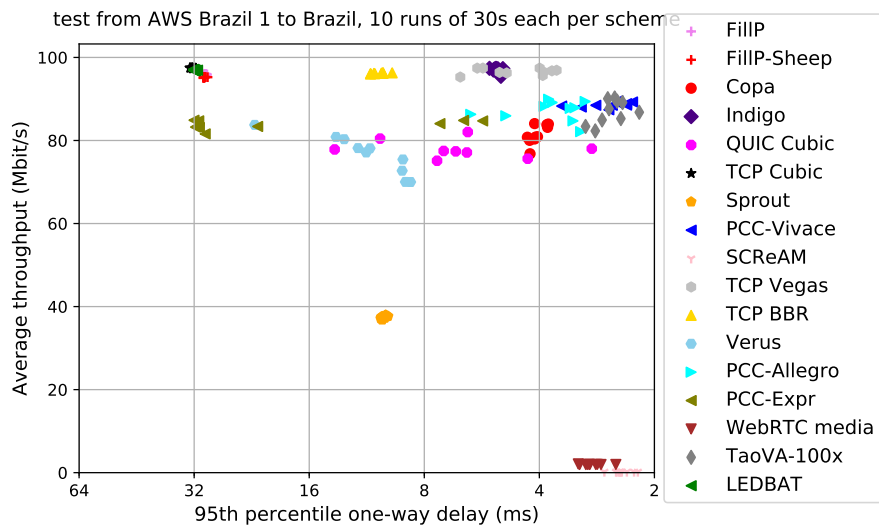
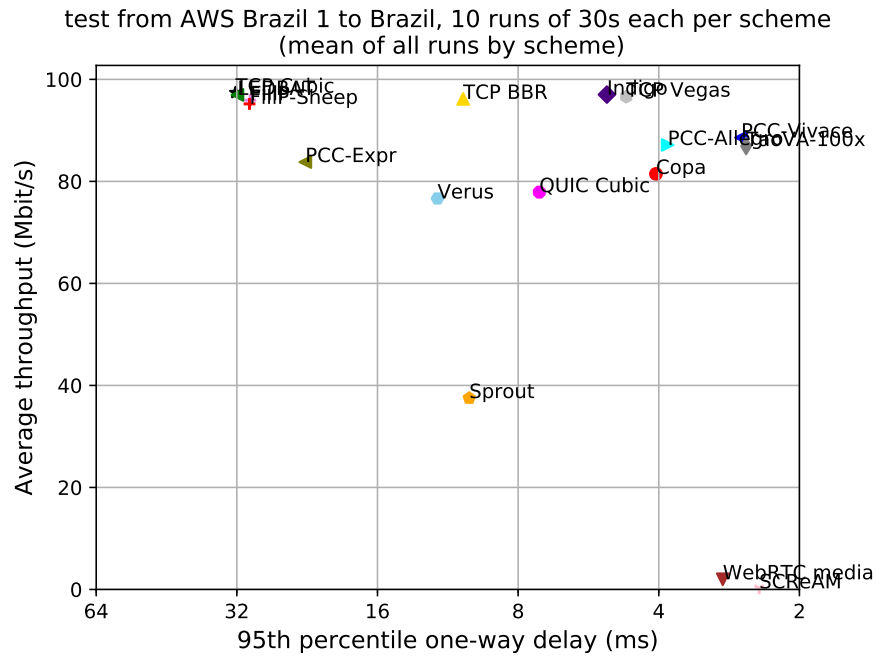
Each test lasted for 30 seconds running 1 flow.

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 @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
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	96.18	10.49	0.00
Copa	10	81.47	4.06	0.00
TCP Cubic	10	97.40	32.21	0.01
FillP	10	95.92	29.95	4.21
FillP-Sheep	10	95.19	30.06	3.83
Indigo	10	97.02	5.17	0.00
LEDBAT	10	96.95	31.91	0.01
PCC-Allegro	10	87.14	3.83	0.00
PCC-Expr	10	83.79	22.84	0.44
QUIC Cubic	9	77.90	7.21	0.30
SCReAM	10	0.22	2.44	0.00
Sprout	10	37.52	10.18	0.00
TaoVA-100x	10	86.93	2.60	0.00
TCP Vegas	10	96.61	4.70	0.00
Verus	10	76.65	11.90	0.89
PCC-Vivace	10	88.59	2.67	0.01
WebRTC media	10	1.99	2.92	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-03 10:33:07

End at: 2018-07-03 10:33:37

Local clock offset: 4.683 ms

Remote clock offset: -7.419 ms

Below is generated by plot.py at 2018-07-03 13:36:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 11.062 ms

Loss rate: 0.00%

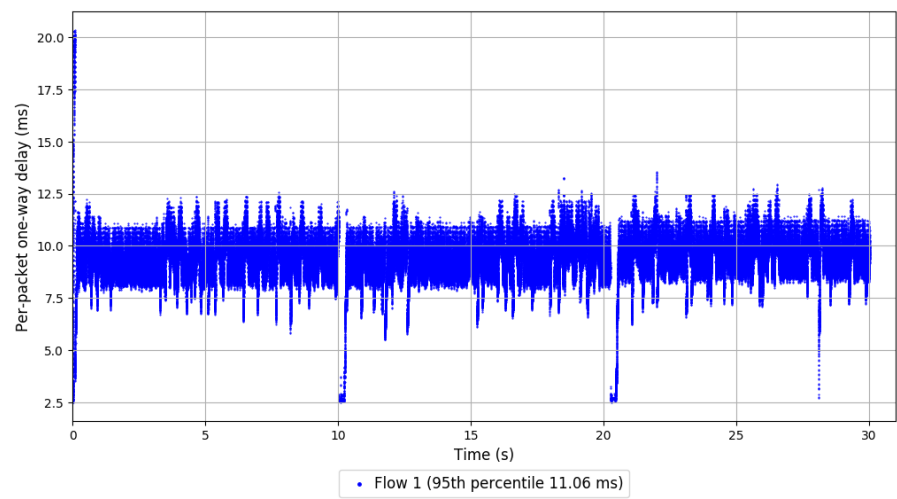
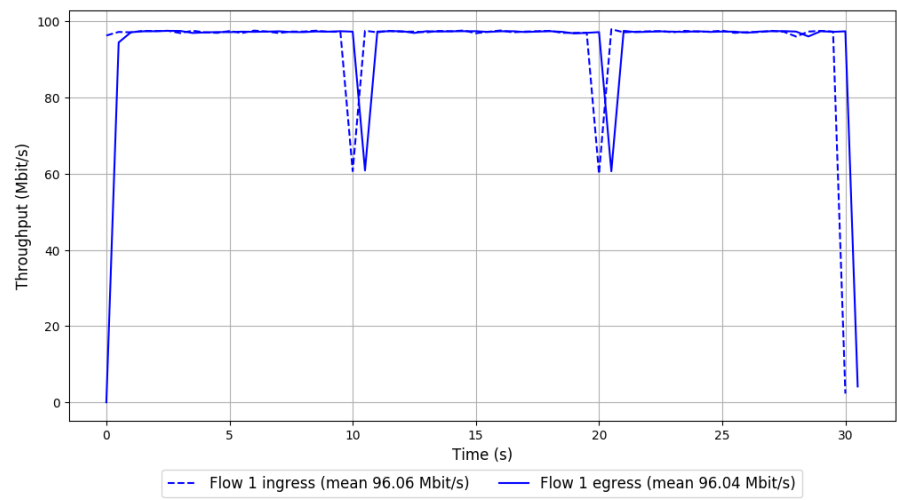
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 11.062 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-03 10:52:09

End at: 2018-07-03 10:52:39

Local clock offset: 1.799 ms

Remote clock offset: -3.274 ms

Below is generated by plot.py at 2018-07-03 13:36:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 10.357 ms

Loss rate: 0.00%

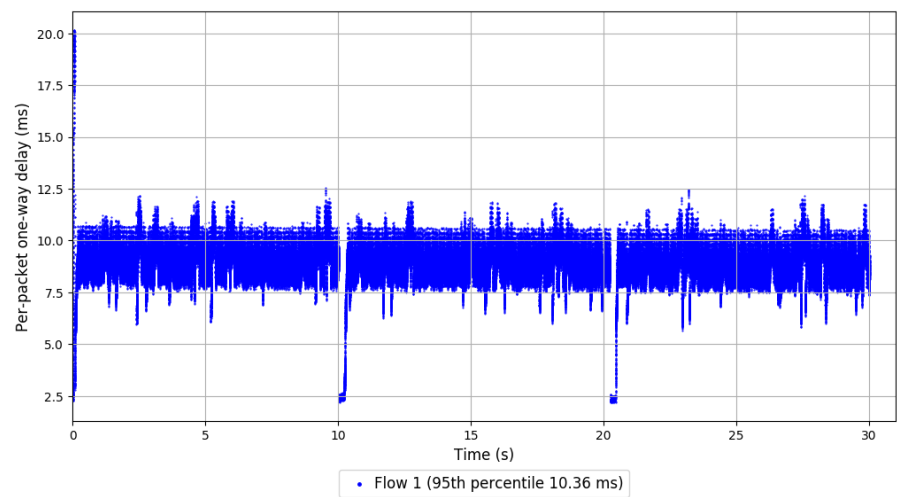
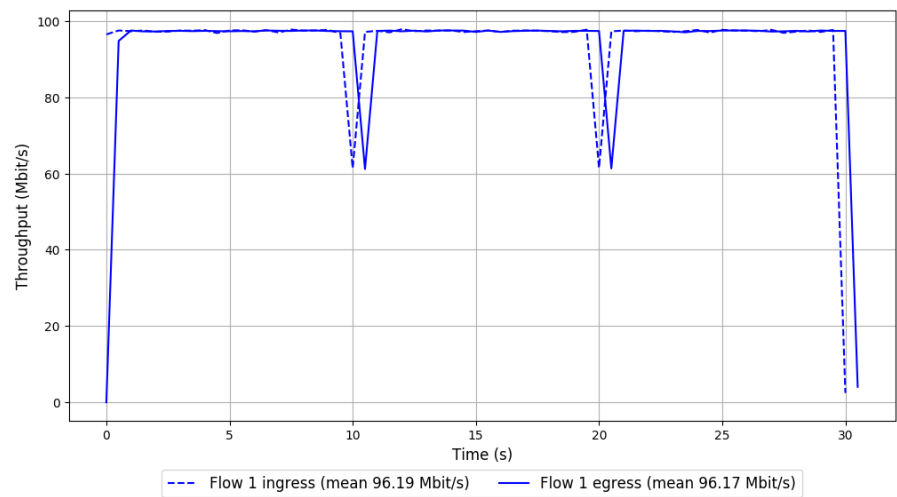
-- Flow 1:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 10.357 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

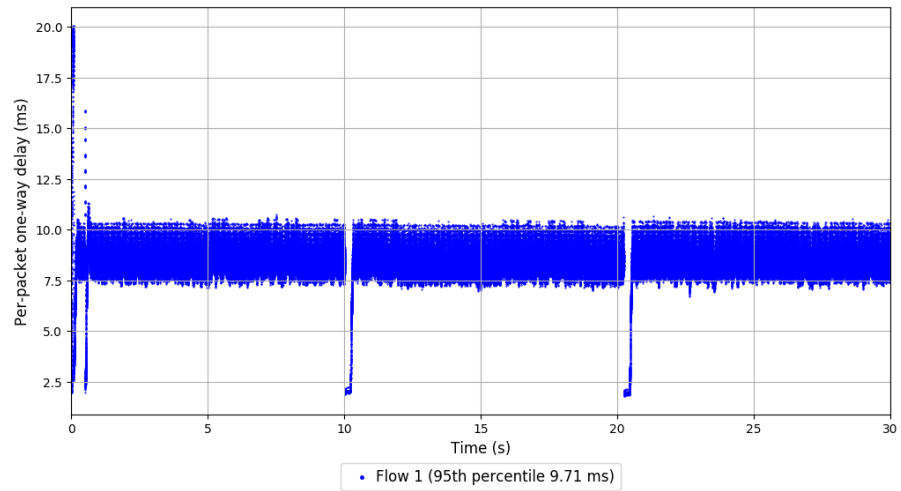
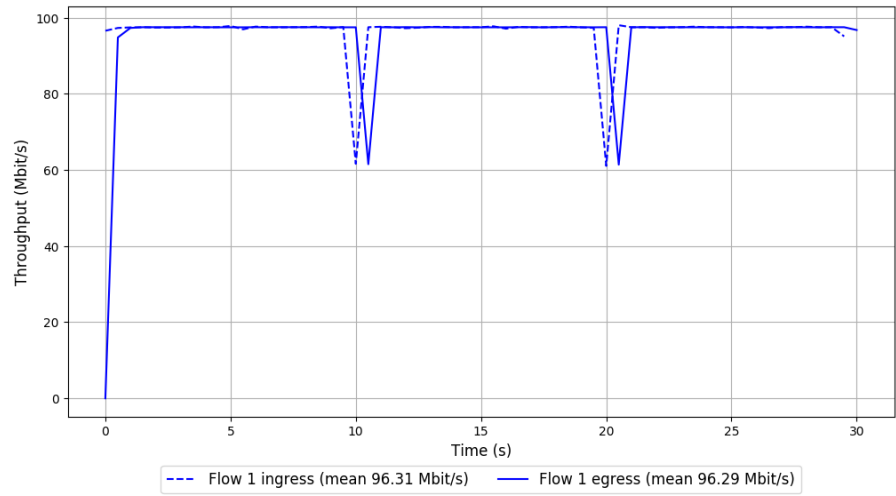


Run 3: Statistics of TCP BBR

Start at: 2018-07-03 11:11:11
End at: 2018-07-03 11:11:41
Local clock offset: 2.338 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-03 13:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 9.707 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

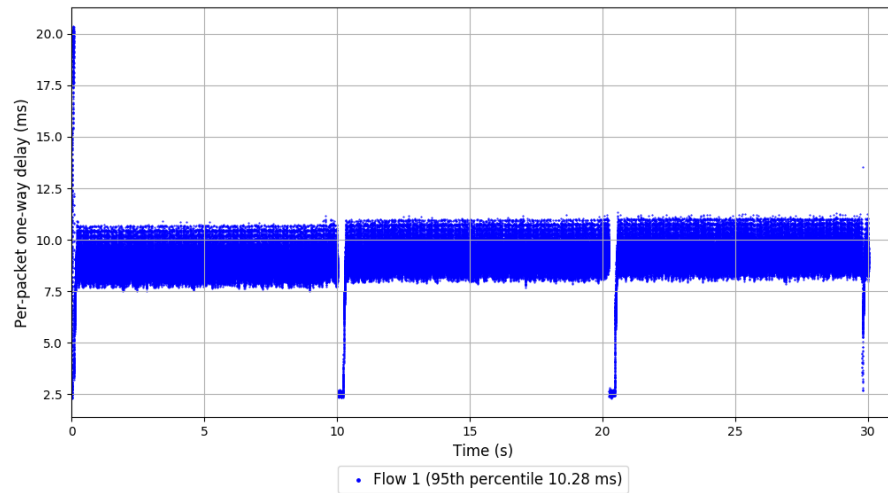
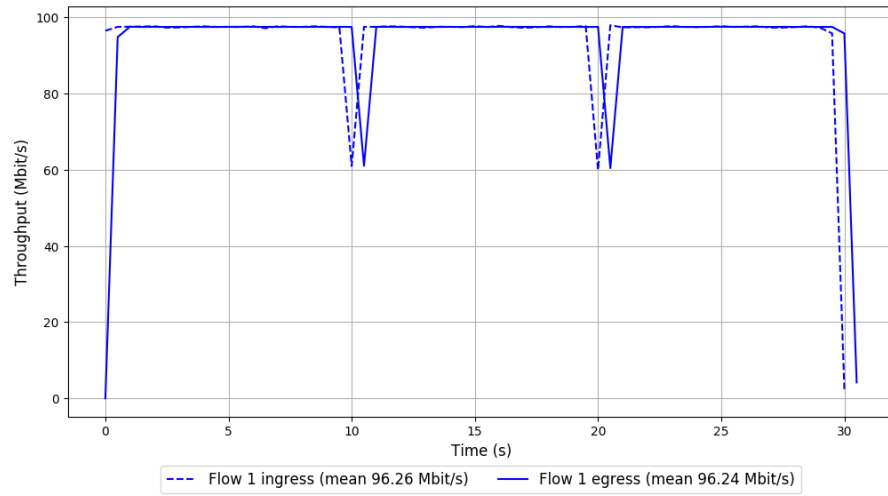


Run 4: Statistics of TCP BBR

Start at: 2018-07-03 11:30:14
End at: 2018-07-03 11:30:44
Local clock offset: -0.036 ms
Remote clock offset: -4.739 ms

Below is generated by plot.py at 2018-07-03 13:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.279 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

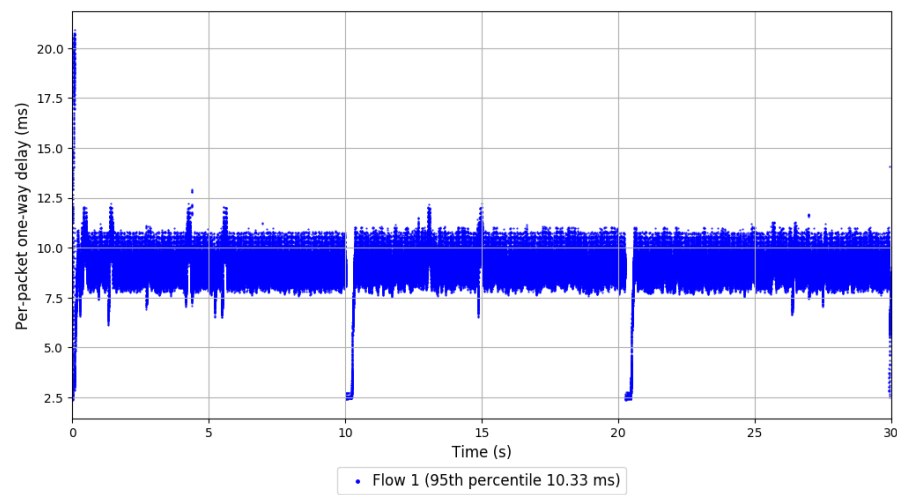
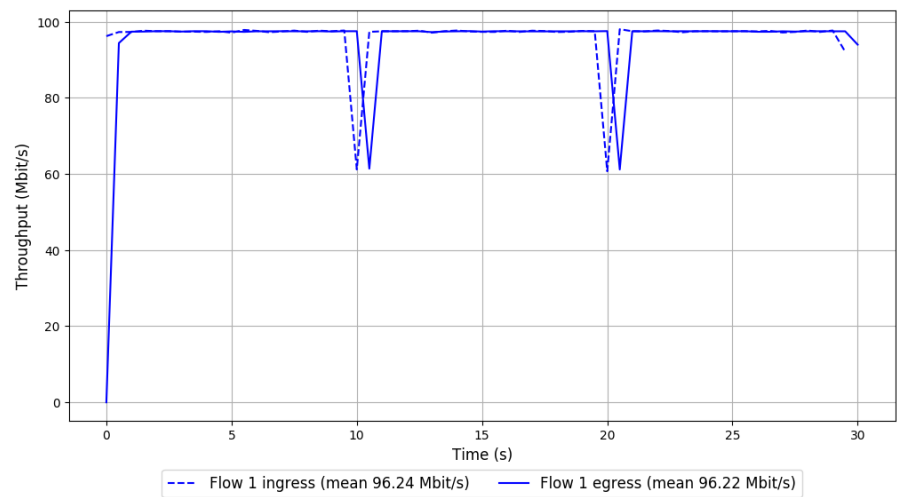


Run 5: Statistics of TCP BBR

Start at: 2018-07-03 11:49:16
End at: 2018-07-03 11:49:46
Local clock offset: -0.818 ms
Remote clock offset: -6.141 ms

Below is generated by plot.py at 2018-07-03 13:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 10.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 10.329 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

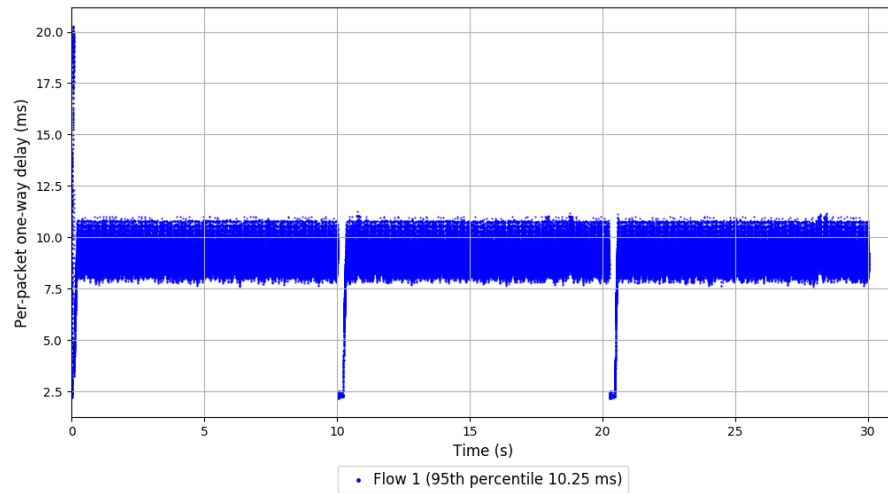
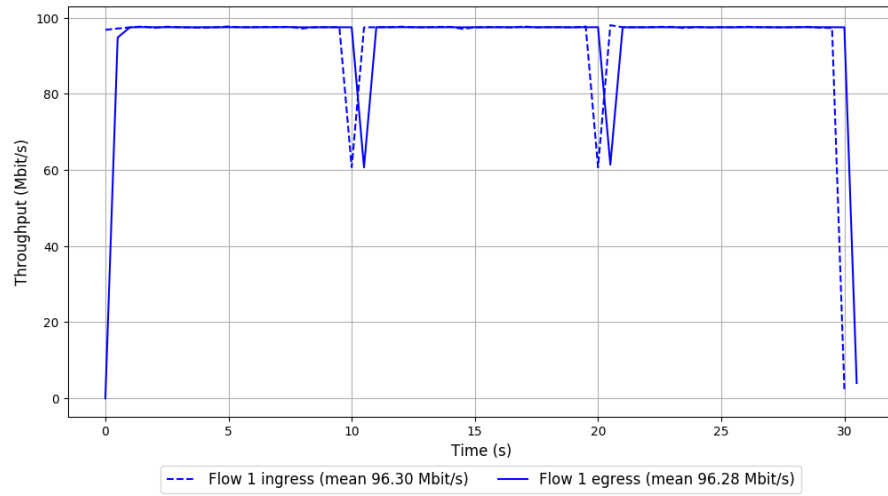


Run 6: Statistics of TCP BBR

Start at: 2018-07-03 12:08:18
End at: 2018-07-03 12:08:48
Local clock offset: -0.711 ms
Remote clock offset: -2.061 ms

Below is generated by plot.py at 2018-07-03 13:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 10.254 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

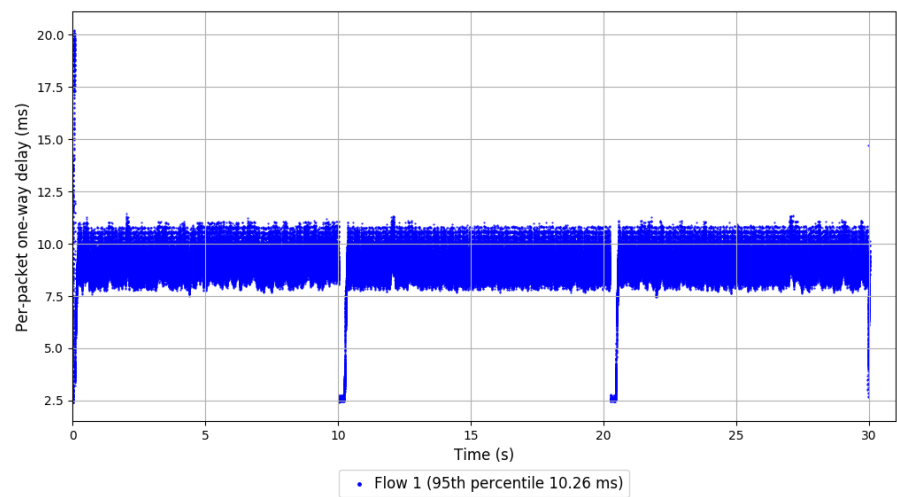
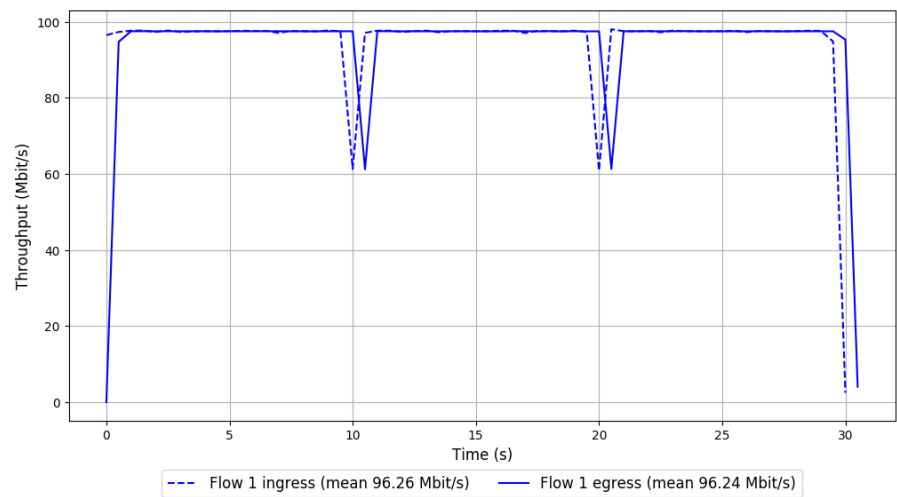


Run 7: Statistics of TCP BBR

Start at: 2018-07-03 12:27:25
End at: 2018-07-03 12:27:55
Local clock offset: -1.368 ms
Remote clock offset: -0.727 ms

Below is generated by plot.py at 2018-07-03 13:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.258 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-03 12:46:28

End at: 2018-07-03 12:46:58

Local clock offset: -1.328 ms

Remote clock offset: -1.23 ms

Below is generated by plot.py at 2018-07-03 13:36:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 10.776 ms

Loss rate: 0.00%

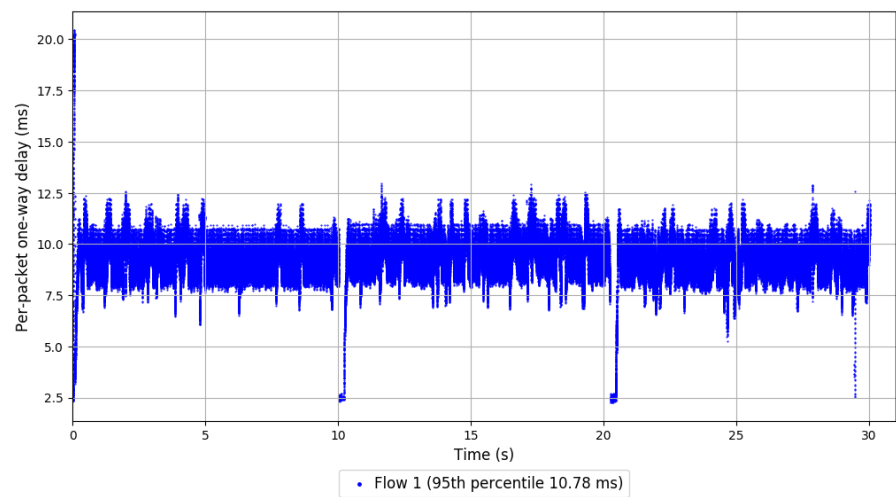
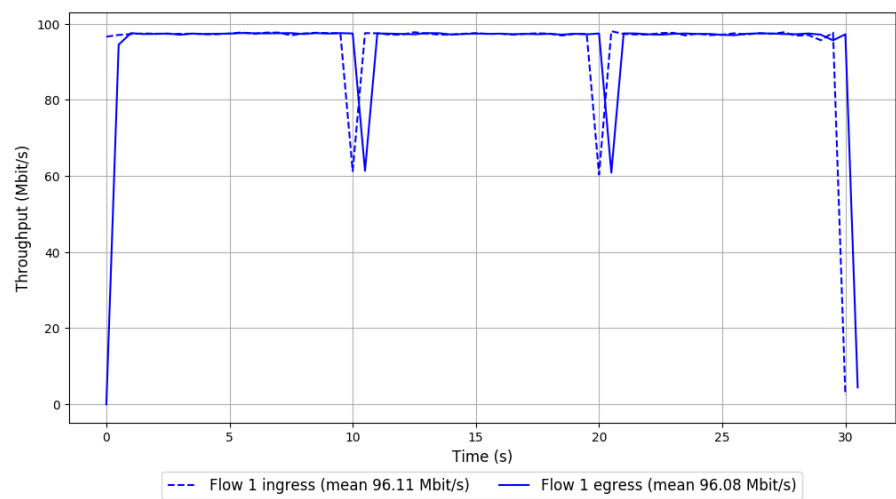
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 10.776 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-03 13:05:30

End at: 2018-07-03 13:06:00

Local clock offset: -1.08 ms

Remote clock offset: -1.898 ms

Below is generated by plot.py at 2018-07-03 13:37:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 10.835 ms

Loss rate: 0.00%

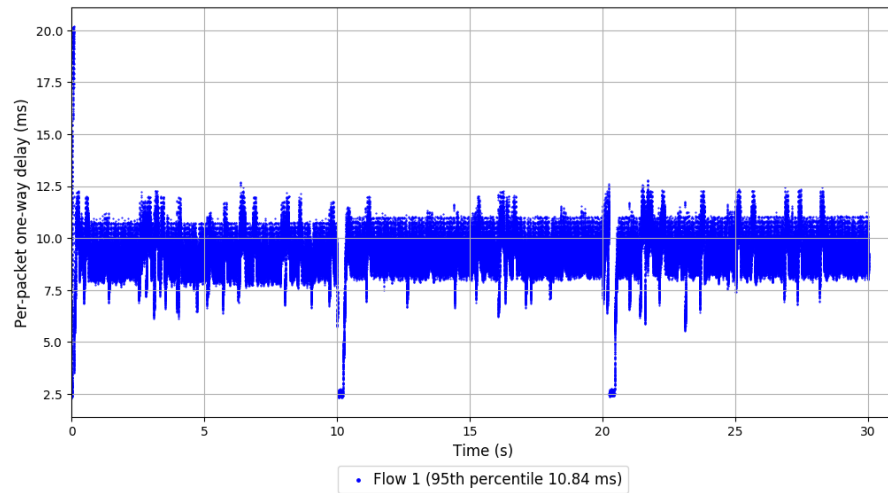
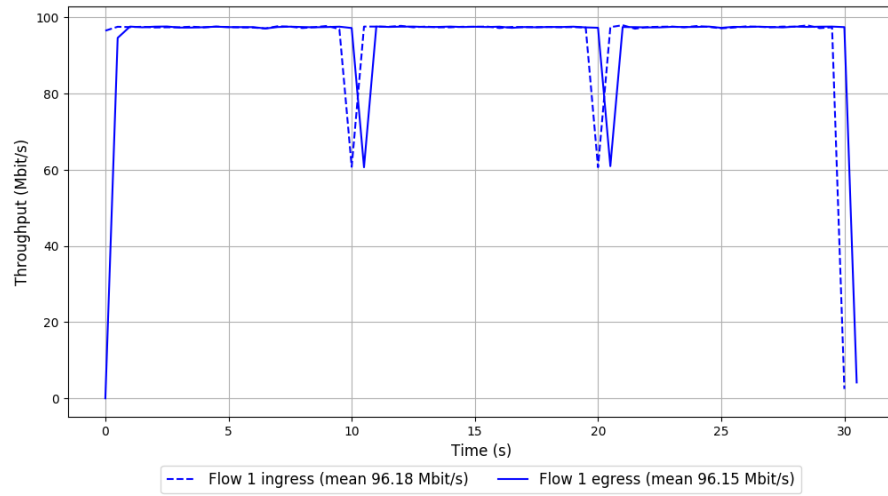
-- Flow 1:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 10.835 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-03 13:24:33

End at: 2018-07-03 13:25:03

Local clock offset: -1.613 ms

Remote clock offset: -2.954 ms

Below is generated by plot.py at 2018-07-03 13:37:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 11.054 ms

Loss rate: 0.00%

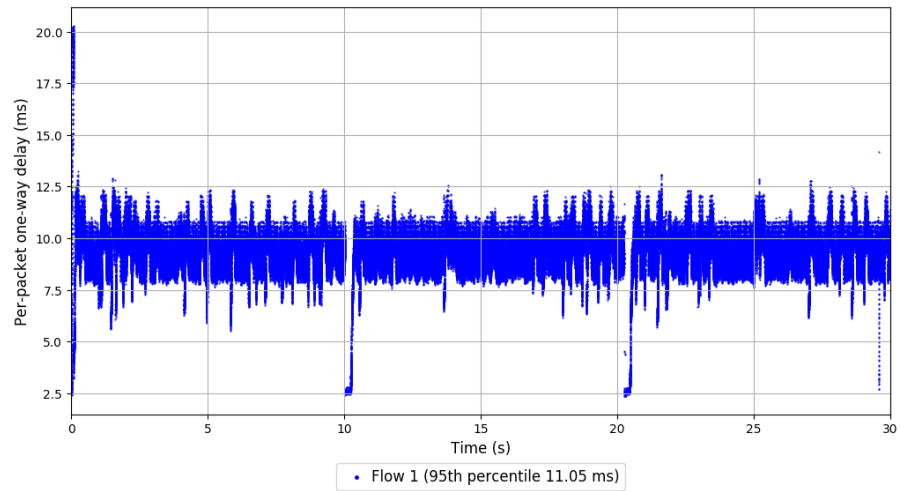
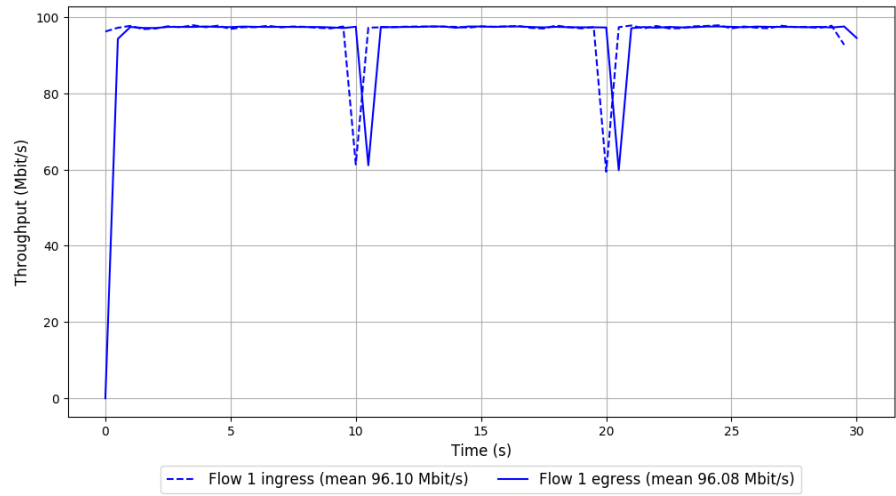
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 11.054 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-03 10:37:33

End at: 2018-07-03 10:38:03

Local clock offset: 5.754 ms

Remote clock offset: -7.51 ms

Below is generated by plot.py at 2018-07-03 13:38:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.78 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.00%

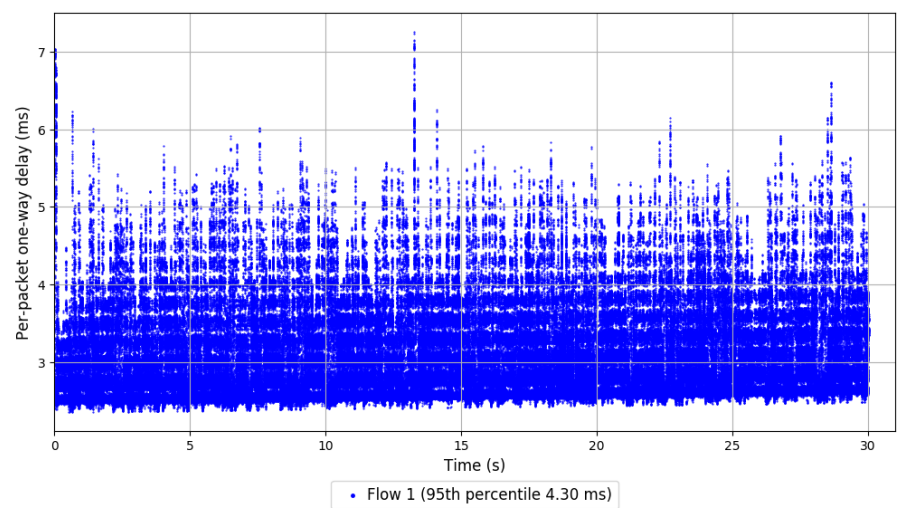
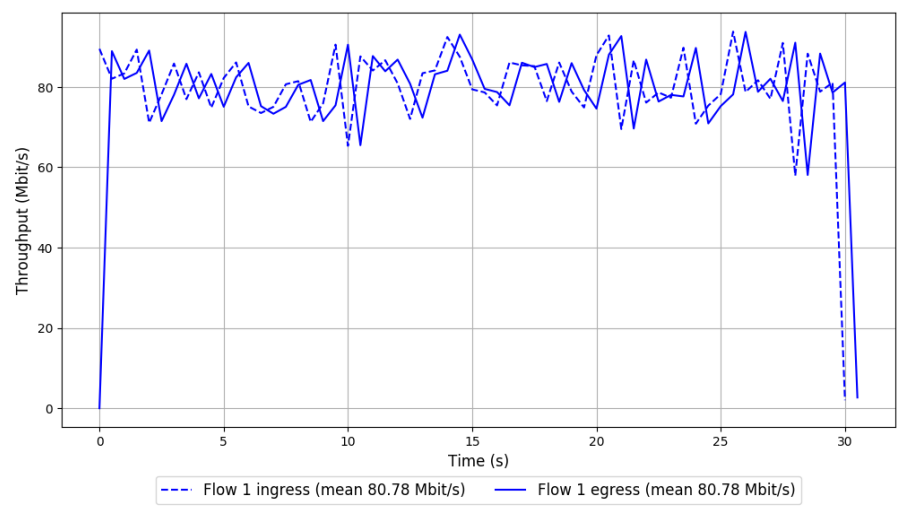
-- Flow 1:

Average throughput: 80.78 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

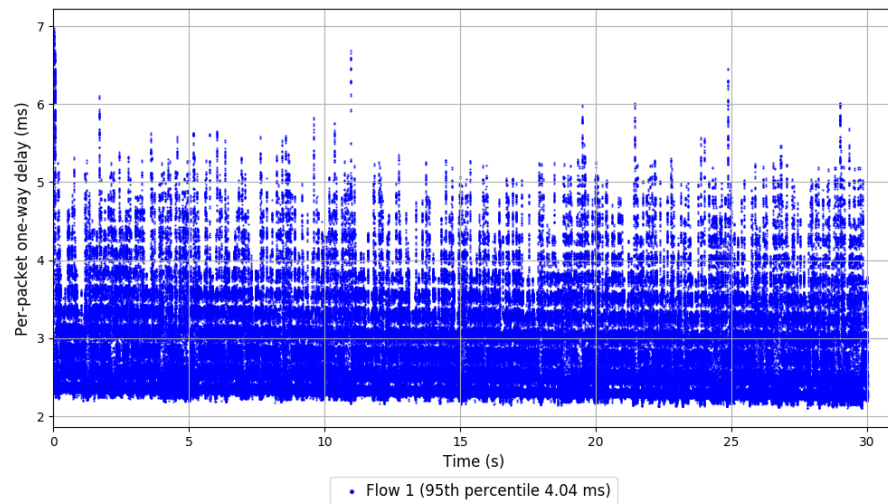
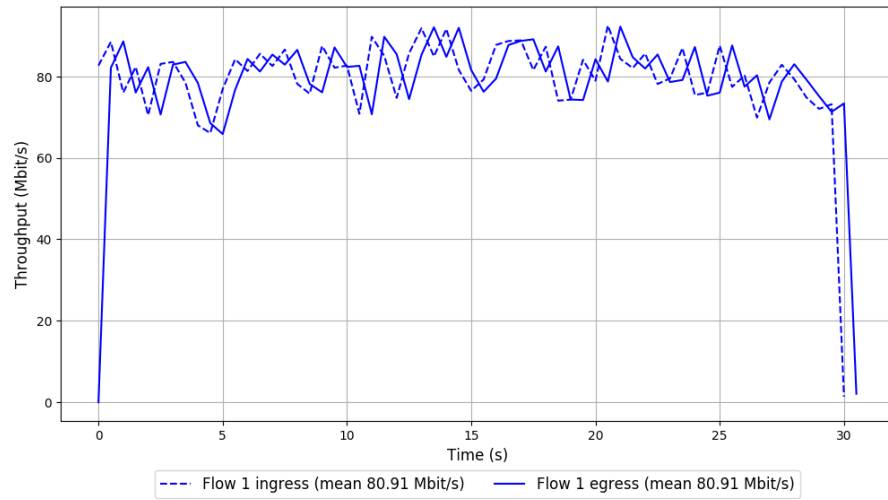


Run 2: Statistics of Copa

Start at: 2018-07-03 10:56:36
End at: 2018-07-03 10:57:06
Local clock offset: 1.548 ms
Remote clock offset: -2.205 ms

Below is generated by plot.py at 2018-07-03 13:38:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.91 Mbit/s
95th percentile per-packet one-way delay: 4.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.91 Mbit/s
95th percentile per-packet one-way delay: 4.045 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-03 11:15:38

End at: 2018-07-03 11:16:08

Local clock offset: 0.903 ms

Remote clock offset: 0.534 ms

Below is generated by plot.py at 2018-07-03 13:38:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.96 Mbit/s

95th percentile per-packet one-way delay: 3.789 ms

Loss rate: 0.00%

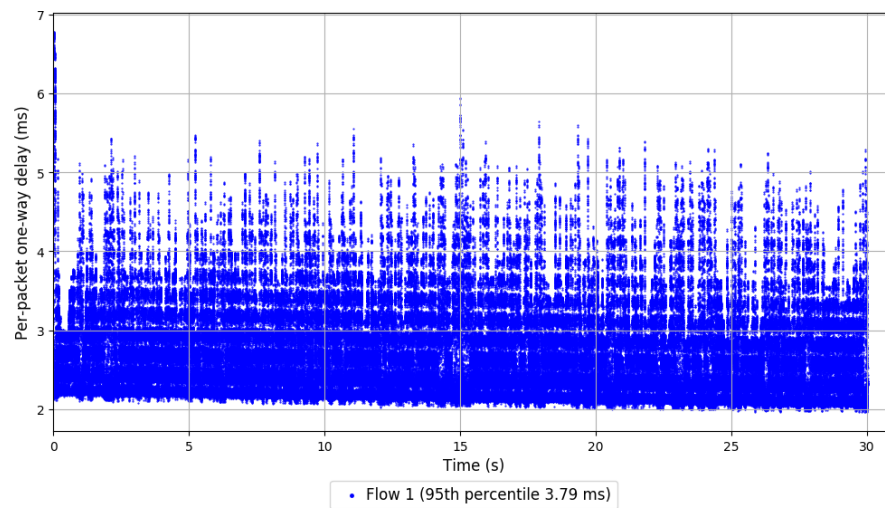
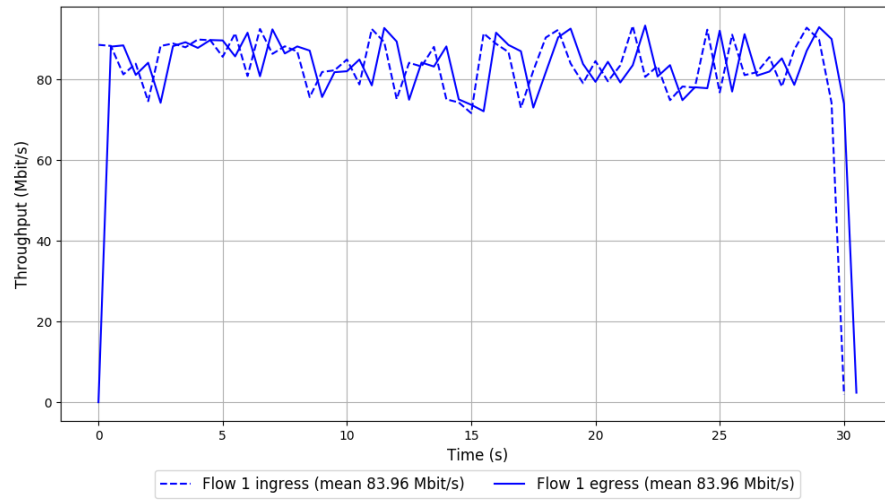
-- Flow 1:

Average throughput: 83.96 Mbit/s

95th percentile per-packet one-way delay: 3.789 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

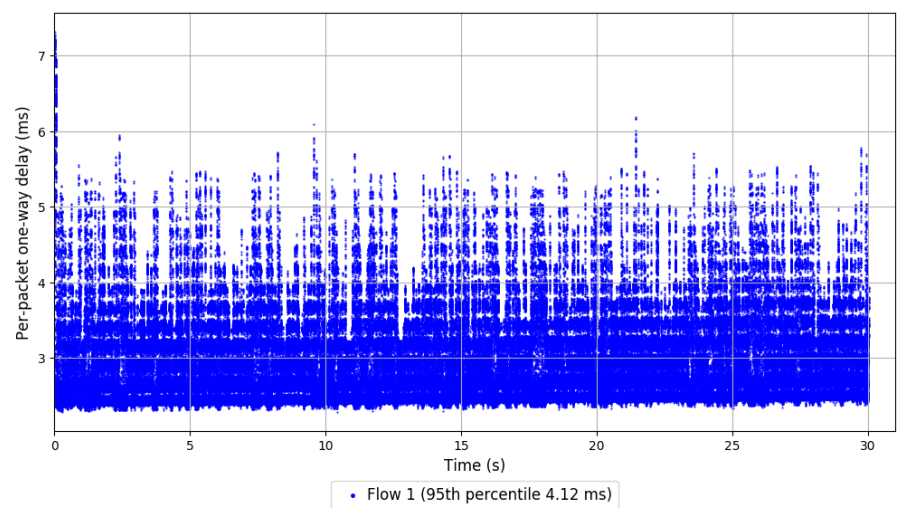
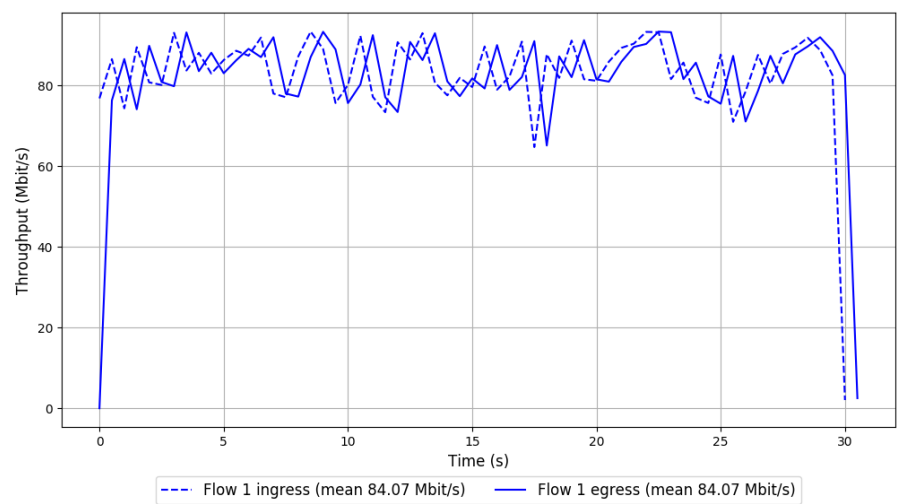


Run 4: Statistics of Copa

Start at: 2018-07-03 11:34:40
End at: 2018-07-03 11:35:10
Local clock offset: 0.158 ms
Remote clock offset: -5.318 ms

Below is generated by plot.py at 2018-07-03 13:38:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

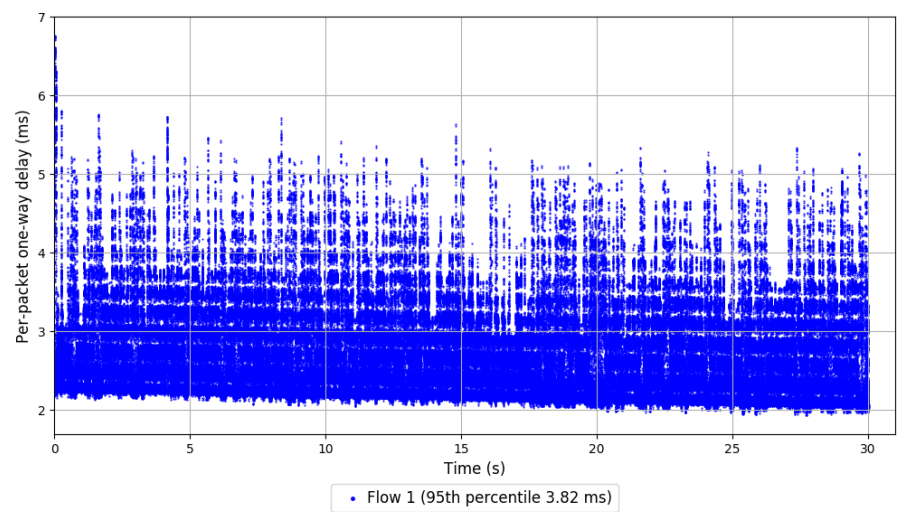
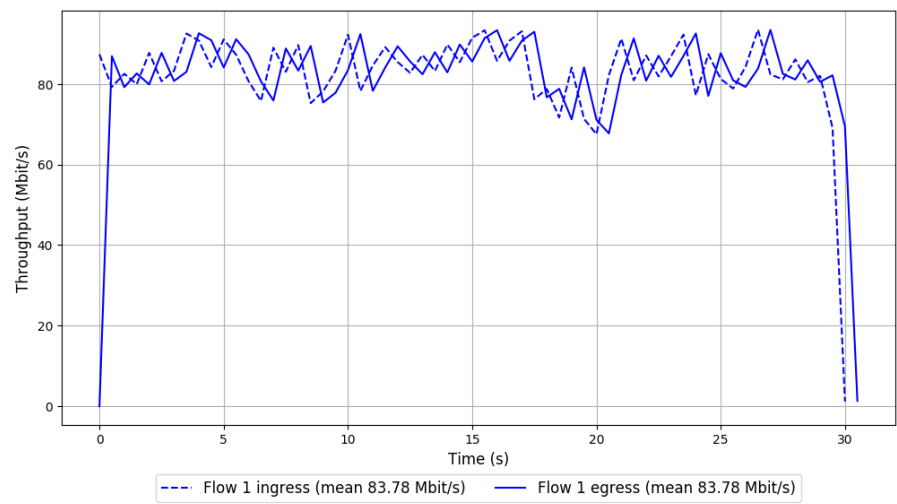


Run 5: Statistics of Copa

Start at: 2018-07-03 11:53:42
End at: 2018-07-03 11:54:12
Local clock offset: -0.934 ms
Remote clock offset: -5.269 ms

Below is generated by plot.py at 2018-07-03 13:38:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 3.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 3.823 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

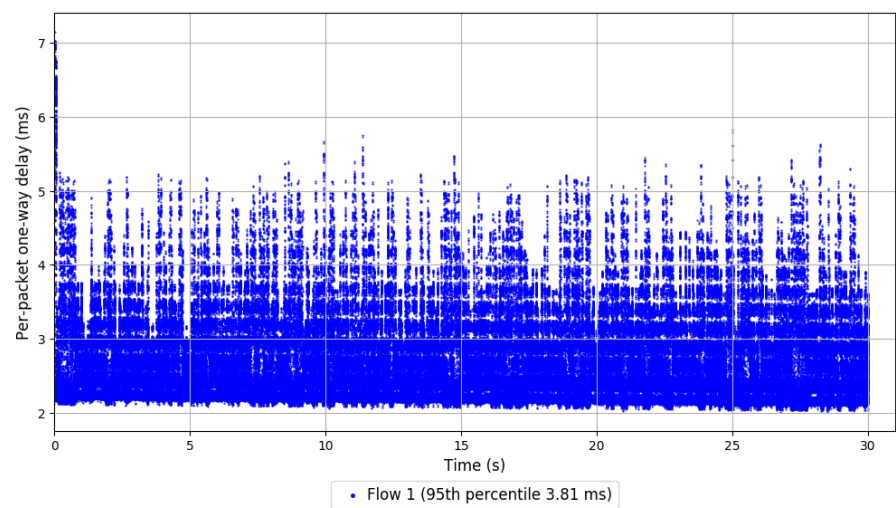
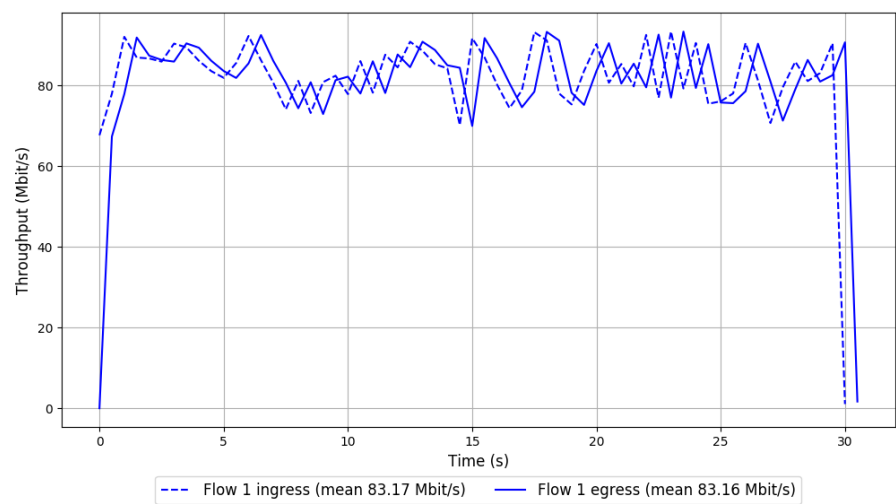


Run 6: Statistics of Copa

Start at: 2018-07-03 12:12:44
End at: 2018-07-03 12:13:14
Local clock offset: -0.864 ms
Remote clock offset: -1.584 ms

Below is generated by plot.py at 2018-07-03 13:38:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 3.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 3.807 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

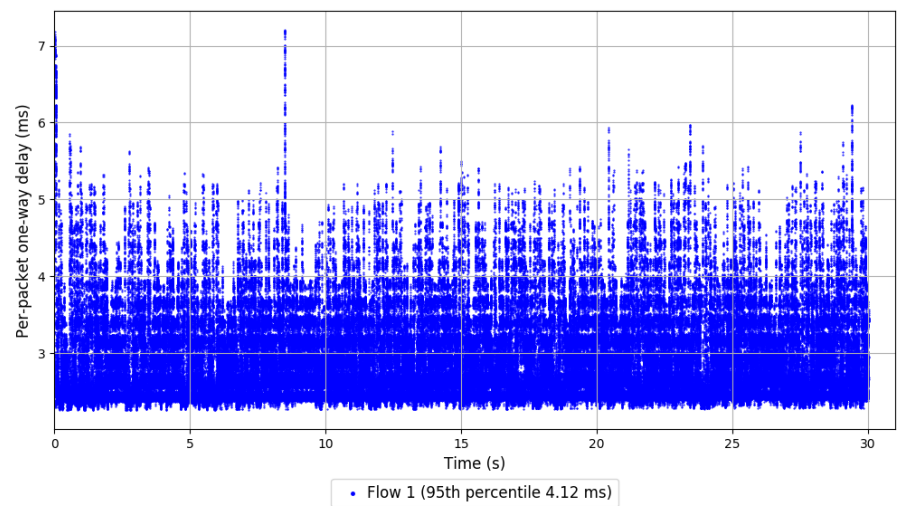
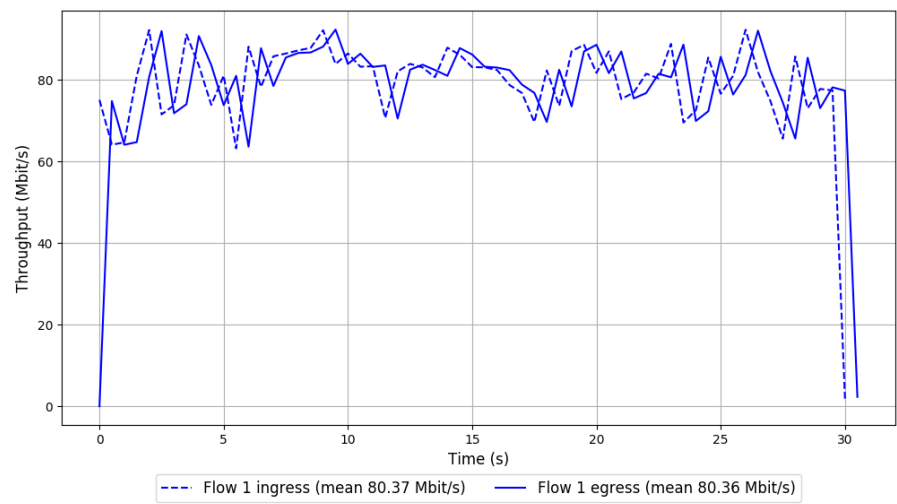


Run 7: Statistics of Copa

Start at: 2018-07-03 12:31:52
End at: 2018-07-03 12:32:22
Local clock offset: -1.317 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-07-03 13:39:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

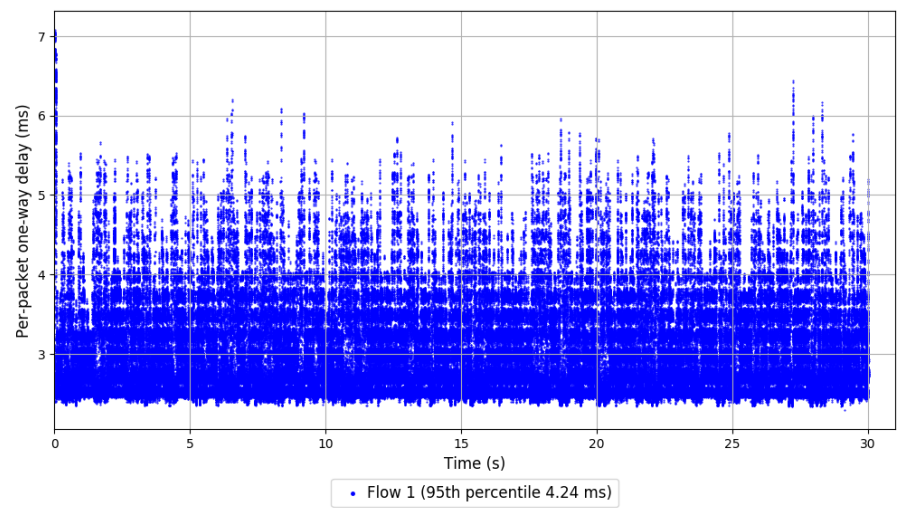
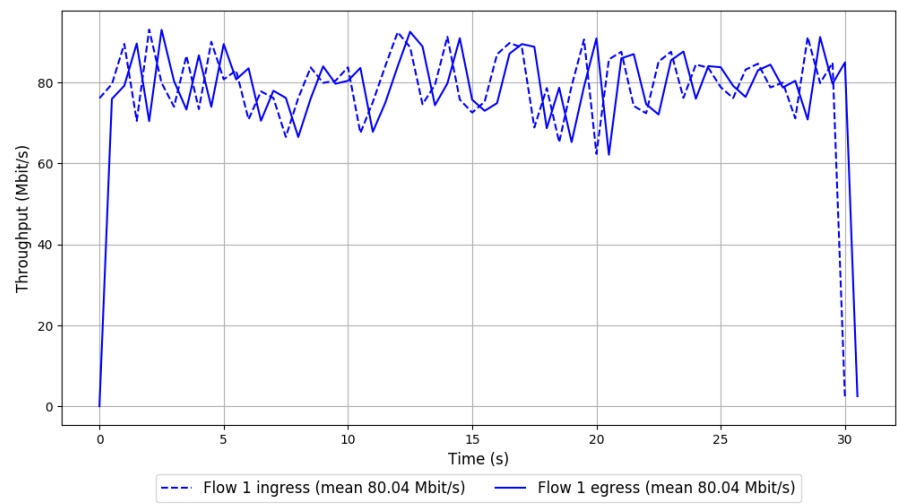


Run 8: Statistics of Copa

Start at: 2018-07-03 12:50:55
End at: 2018-07-03 12:51:25
Local clock offset: -1.36 ms
Remote clock offset: -1.082 ms

Below is generated by plot.py at 2018-07-03 13:39:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.04 Mbit/s
95th percentile per-packet one-way delay: 4.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.04 Mbit/s
95th percentile per-packet one-way delay: 4.241 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

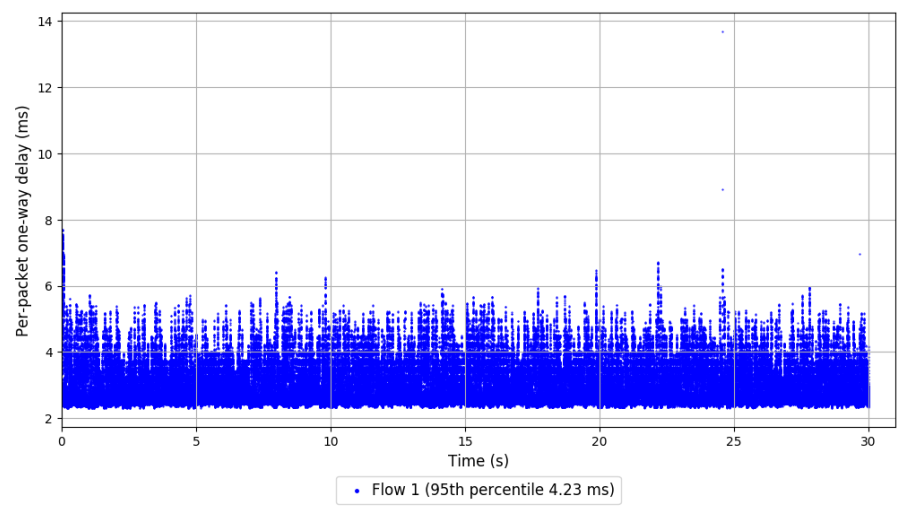
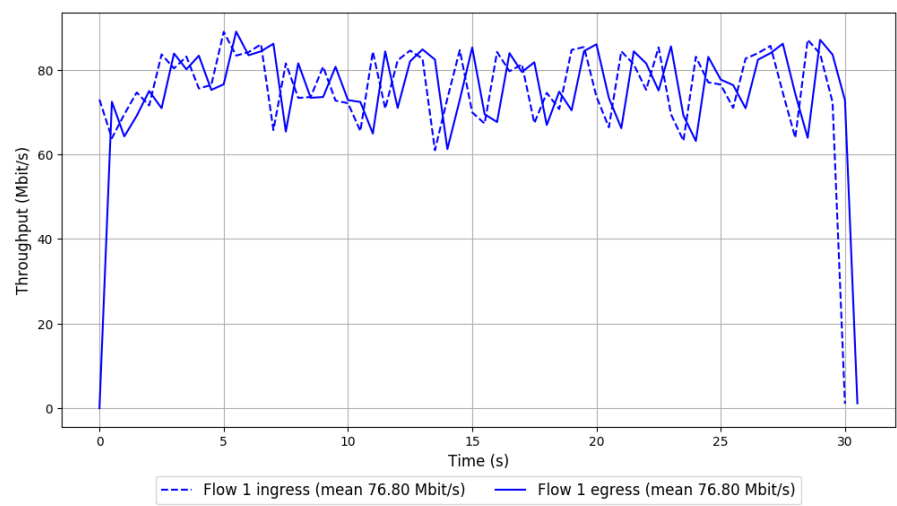


Run 9: Statistics of Copa

Start at: 2018-07-03 13:09:57
End at: 2018-07-03 13:10:27
Local clock offset: -1.055 ms
Remote clock offset: -2.354 ms

Below is generated by plot.py at 2018-07-03 13:40:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 4.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 4.231 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

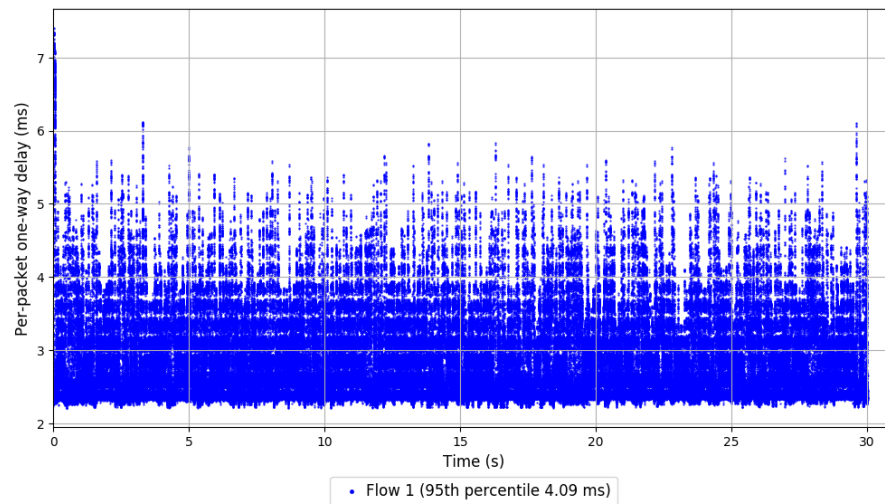
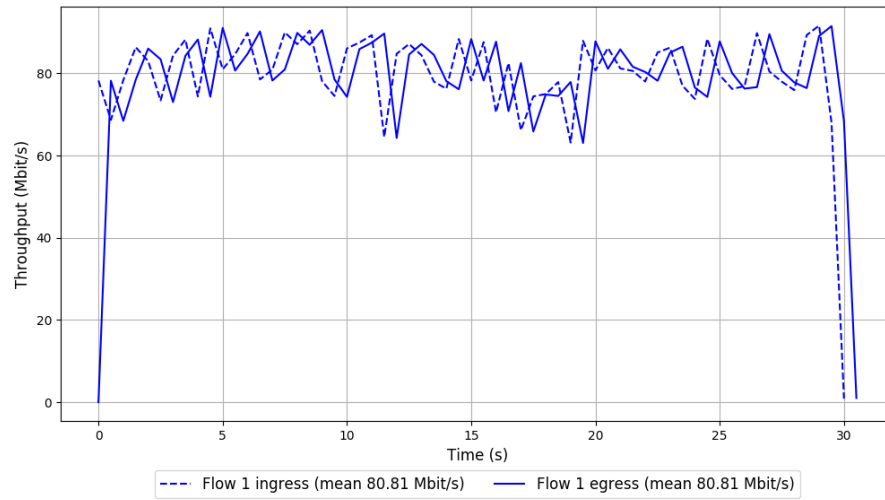


Run 10: Statistics of Copa

Start at: 2018-07-03 13:29:00
End at: 2018-07-03 13:29:30
Local clock offset: -1.539 ms
Remote clock offset: -3.099 ms

Below is generated by plot.py at 2018-07-03 13:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 4.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 4.092 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-03 10:34:14

End at: 2018-07-03 10:34:44

Local clock offset: 4.889 ms

Remote clock offset: -7.44 ms

Below is generated by plot.py at 2018-07-03 13:40:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 31.625 ms

Loss rate: 0.02%

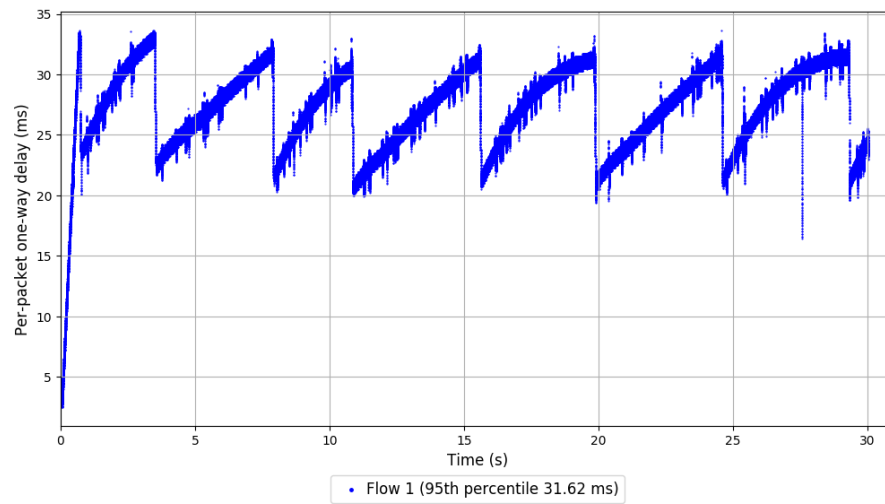
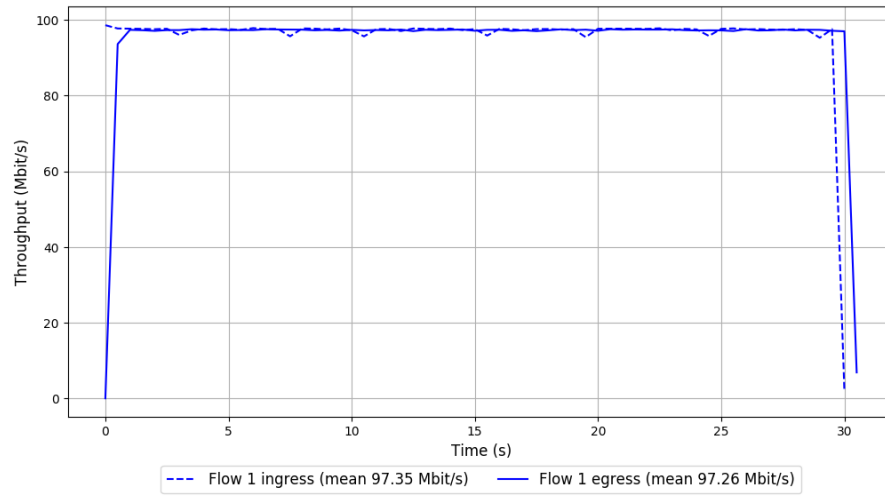
-- Flow 1:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 31.625 ms

Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

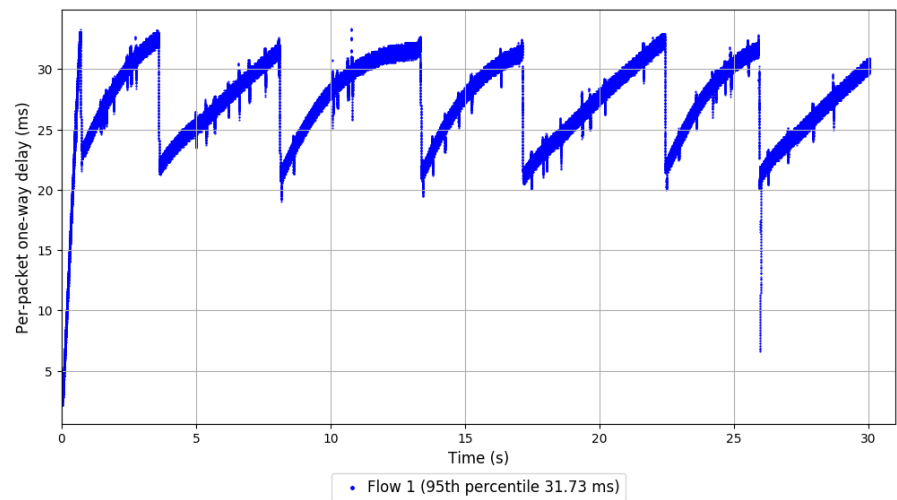
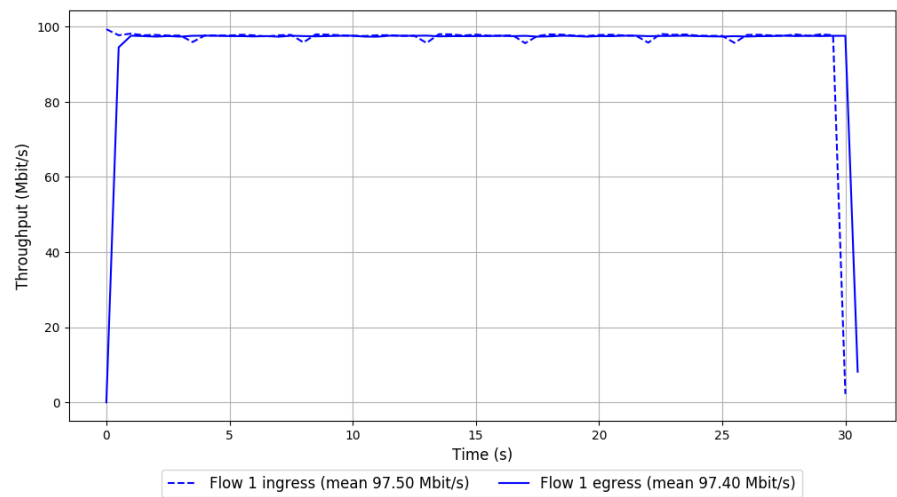


Run 2: Statistics of TCP Cubic

Start at: 2018-07-03 10:53:17
End at: 2018-07-03 10:53:47
Local clock offset: 1.697 ms
Remote clock offset: -3.097 ms

Below is generated by plot.py at 2018-07-03 13:40:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 31.731 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 31.731 ms
Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-03 11:12:18

End at: 2018-07-03 11:12:48

Local clock offset: 1.89 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-07-03 13:40:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.328 ms

Loss rate: 0.01%

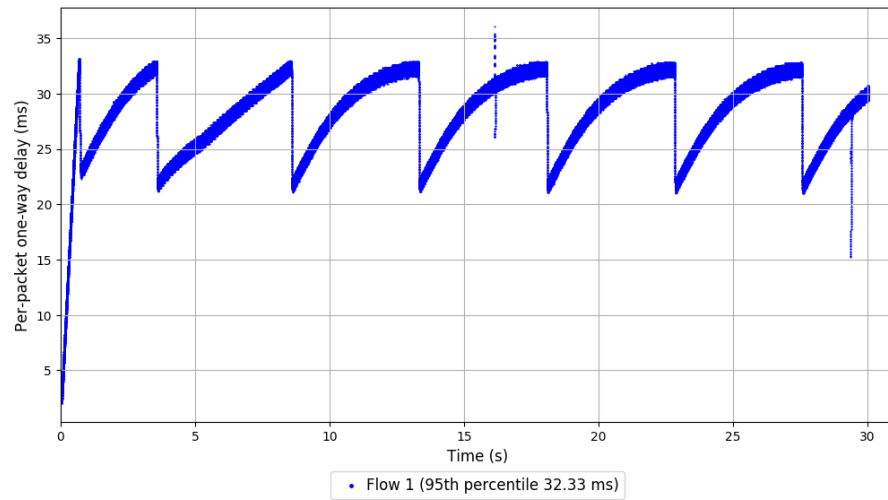
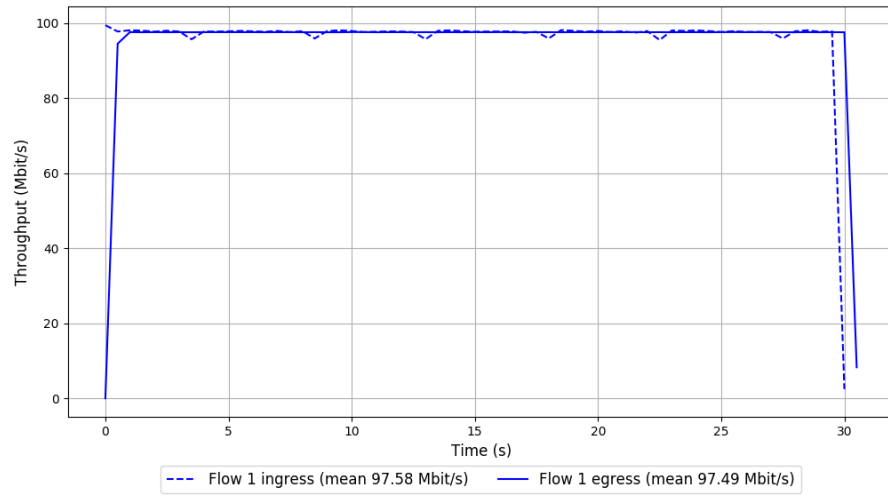
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.328 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-03 11:31:21

End at: 2018-07-03 11:31:51

Local clock offset: 0.007 ms

Remote clock offset: -4.82 ms

Below is generated by plot.py at 2018-07-03 13:40:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.832 ms

Loss rate: 0.01%

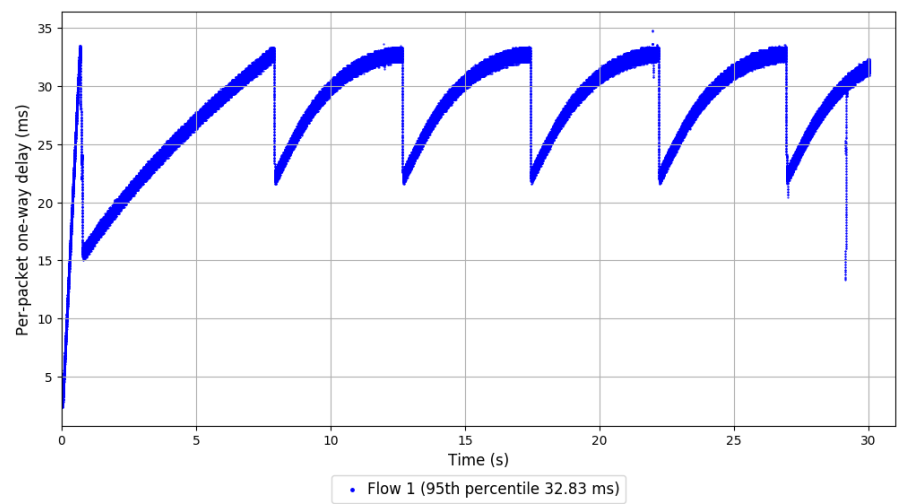
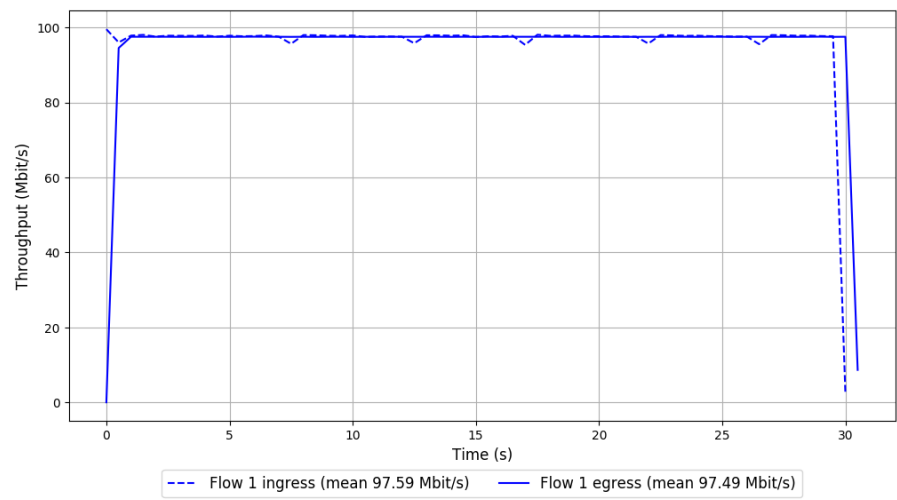
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.832 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

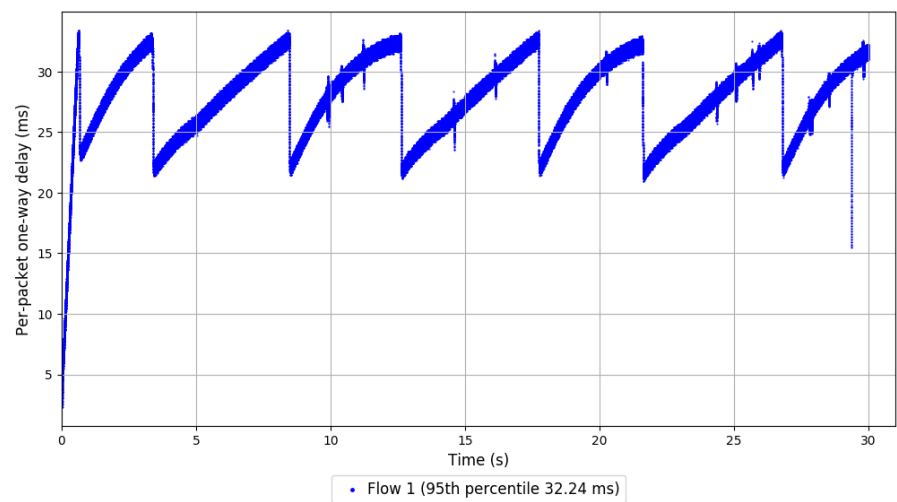
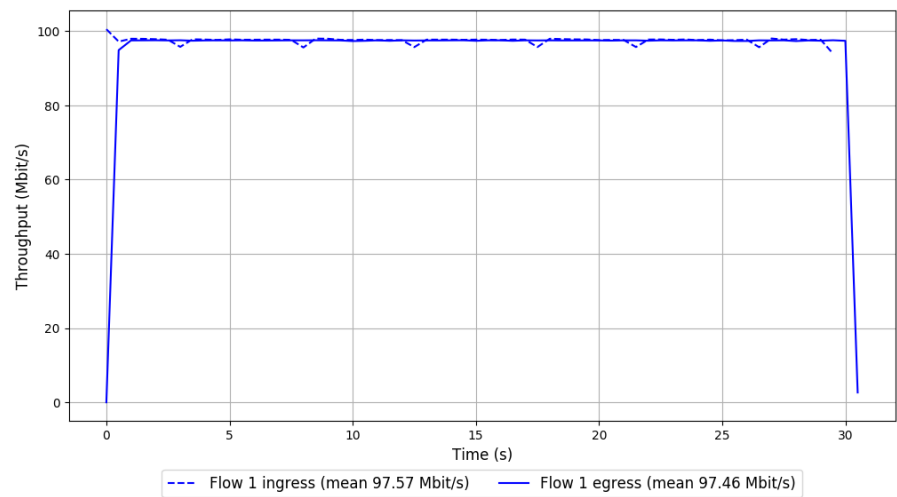


Run 5: Statistics of TCP Cubic

Start at: 2018-07-03 11:50:23
End at: 2018-07-03 11:50:53
Local clock offset: -0.817 ms
Remote clock offset: -6.215 ms

Below is generated by plot.py at 2018-07-03 13:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.243 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.243 ms
Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

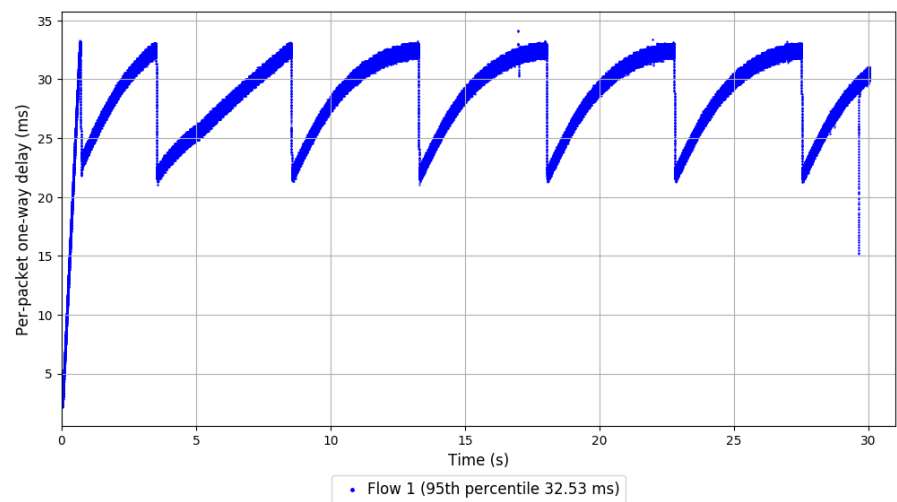
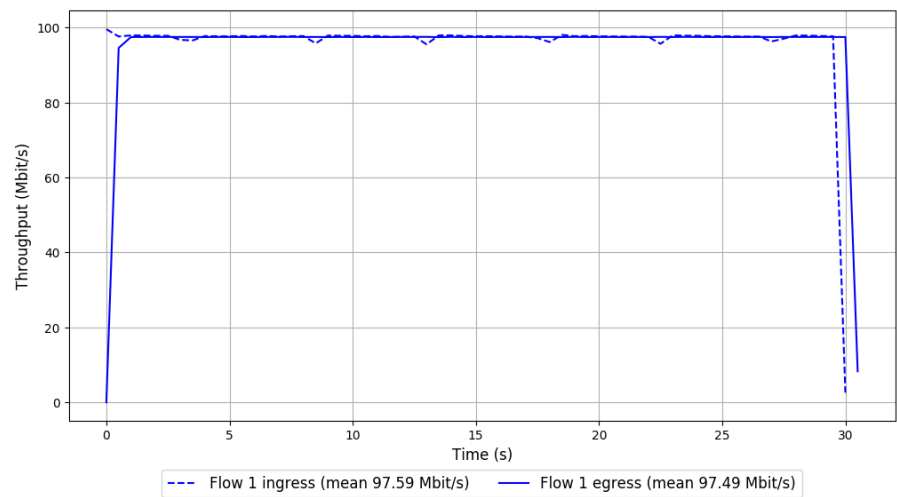


Run 6: Statistics of TCP Cubic

Start at: 2018-07-03 12:09:25
End at: 2018-07-03 12:09:55
Local clock offset: -0.653 ms
Remote clock offset: -1.929 ms

Below is generated by plot.py at 2018-07-03 13:40:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.529 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.529 ms
Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link

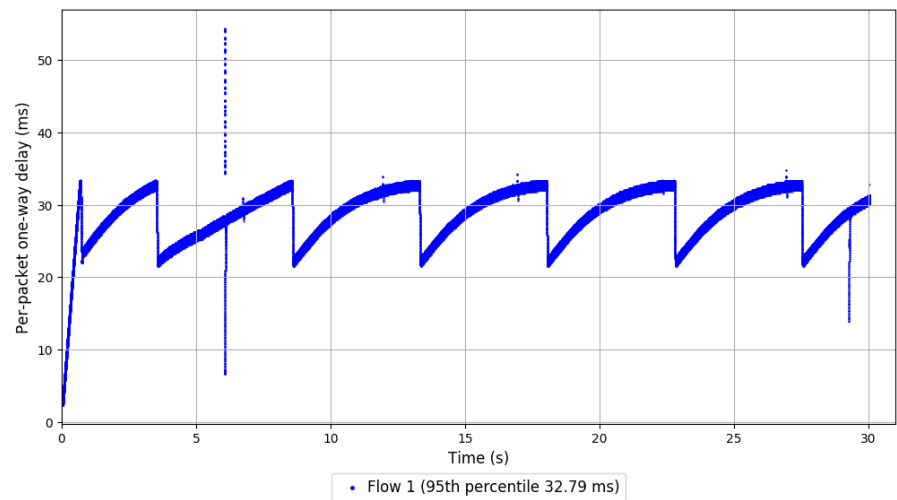
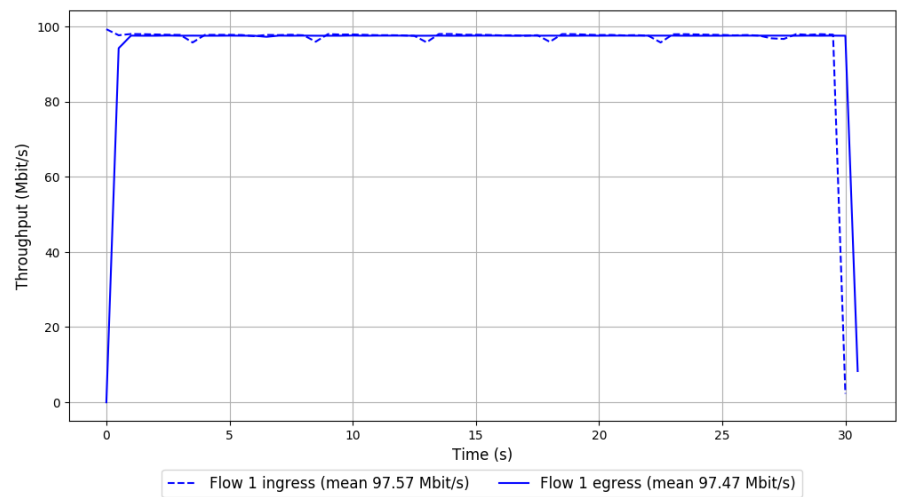


Run 7: Statistics of TCP Cubic

Start at: 2018-07-03 12:28:33
End at: 2018-07-03 12:29:03
Local clock offset: -1.412 ms
Remote clock offset: -0.901 ms

Below is generated by plot.py at 2018-07-03 13:40:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.787 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.787 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link

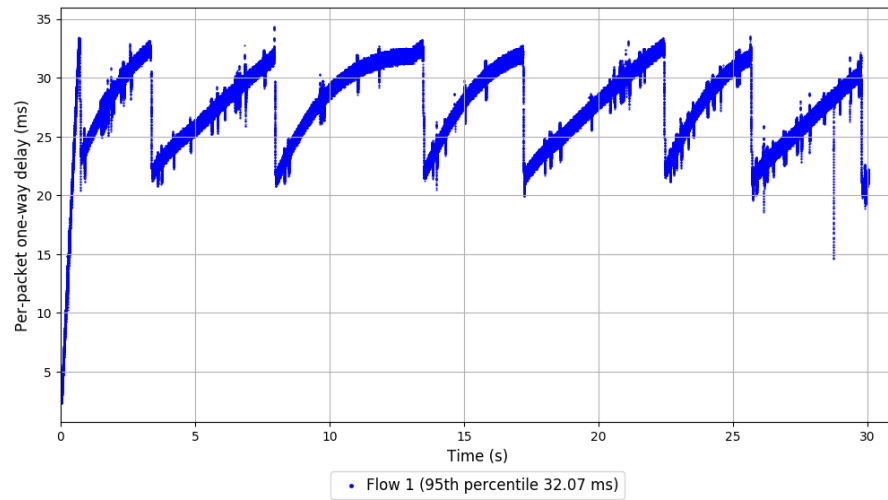
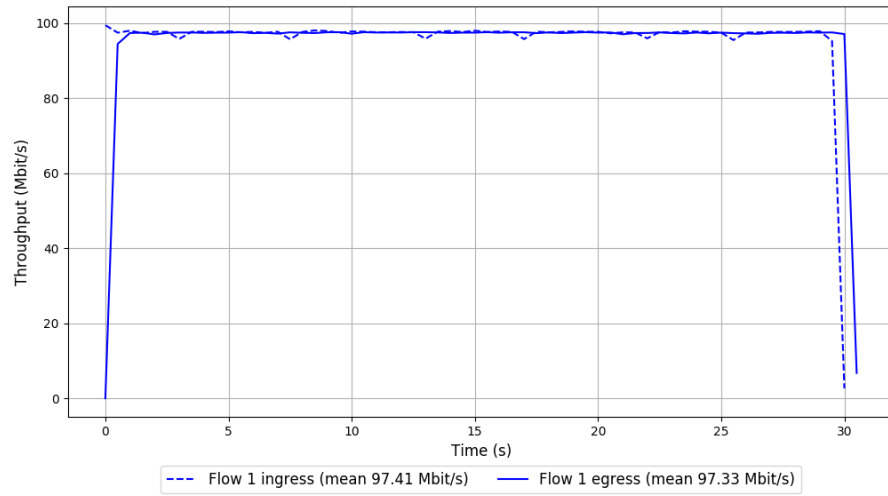


Run 8: Statistics of TCP Cubic

Start at: 2018-07-03 12:47:35
End at: 2018-07-03 12:48:05
Local clock offset: -1.267 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2018-07-03 13:40:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 32.066 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 32.066 ms
Loss rate: 0.02%

Run 8: Report of TCP Cubic — Data Link

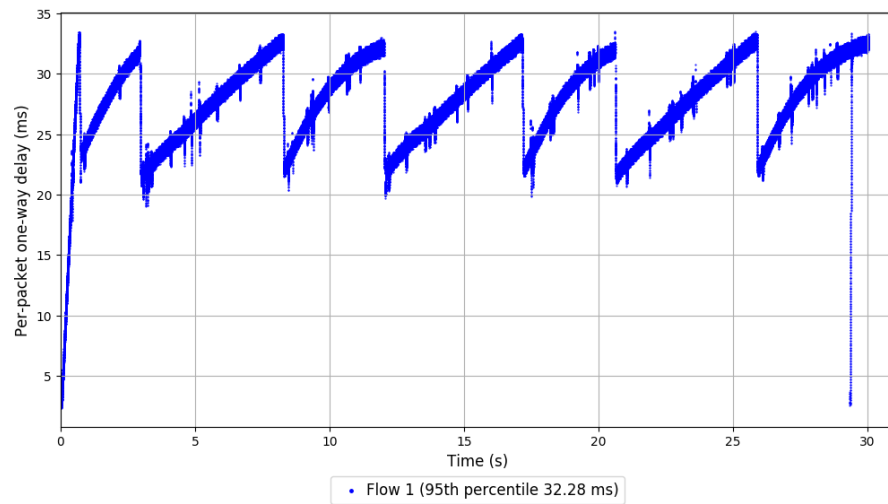
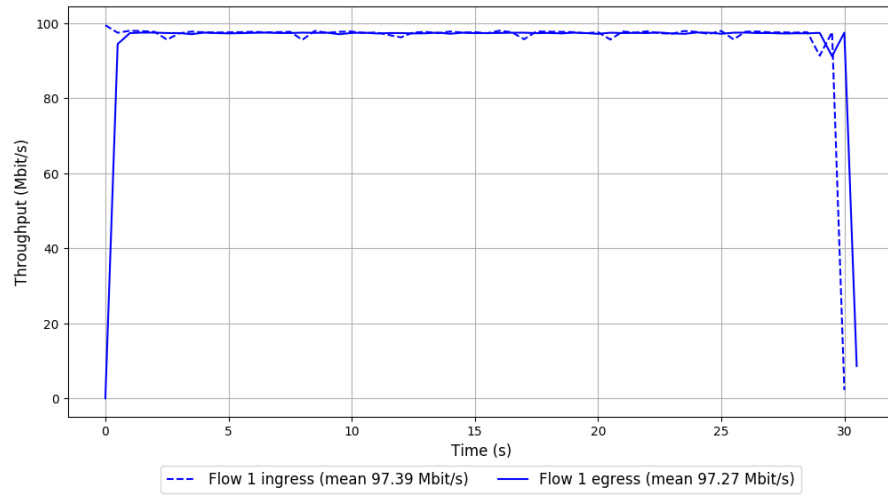


Run 9: Statistics of TCP Cubic

Start at: 2018-07-03 13:06:38
End at: 2018-07-03 13:07:08
Local clock offset: -1.102 ms
Remote clock offset: -2.073 ms

Below is generated by plot.py at 2018-07-03 13:40:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 32.278 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 32.278 ms
Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-03 13:25:40

End at: 2018-07-03 13:26:10

Local clock offset: -1.601 ms

Remote clock offset: -2.97 ms

Below is generated by plot.py at 2018-07-03 13:40:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 31.639 ms

Loss rate: 0.01%

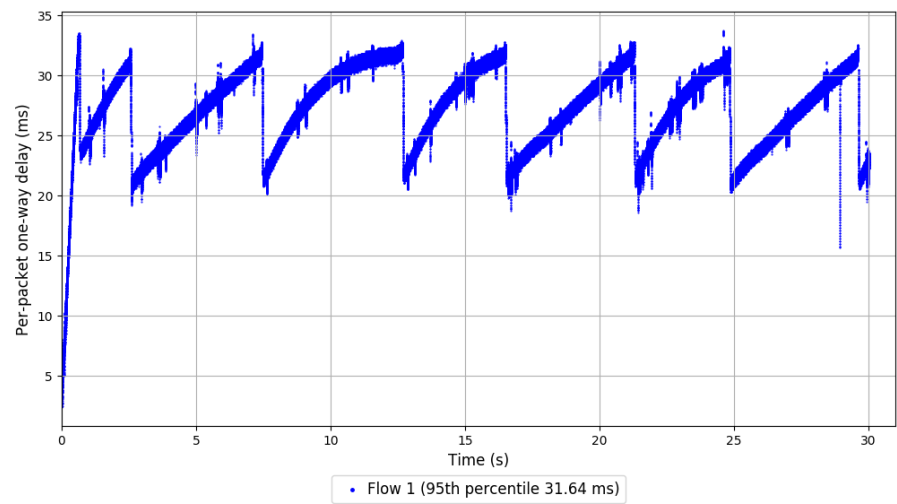
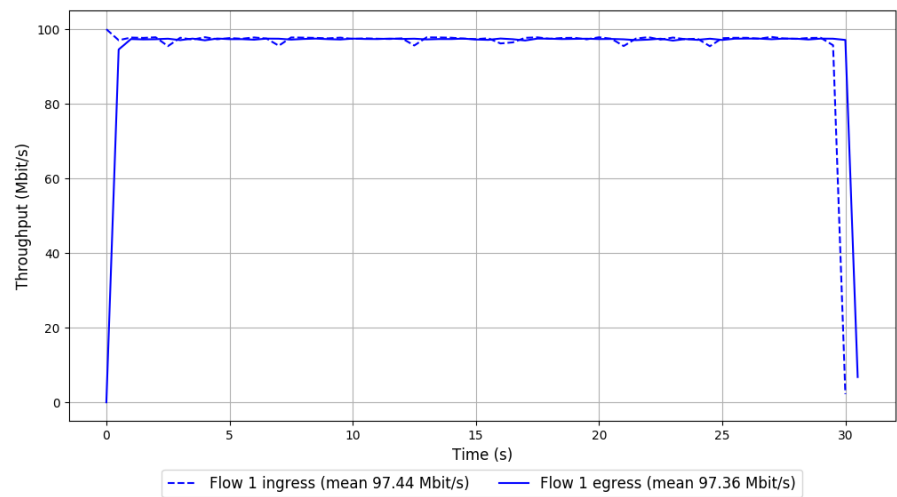
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 31.639 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

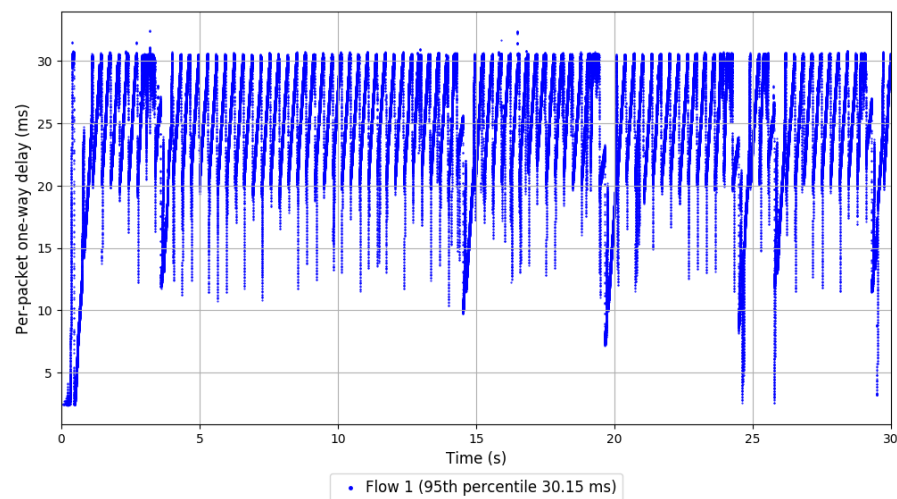
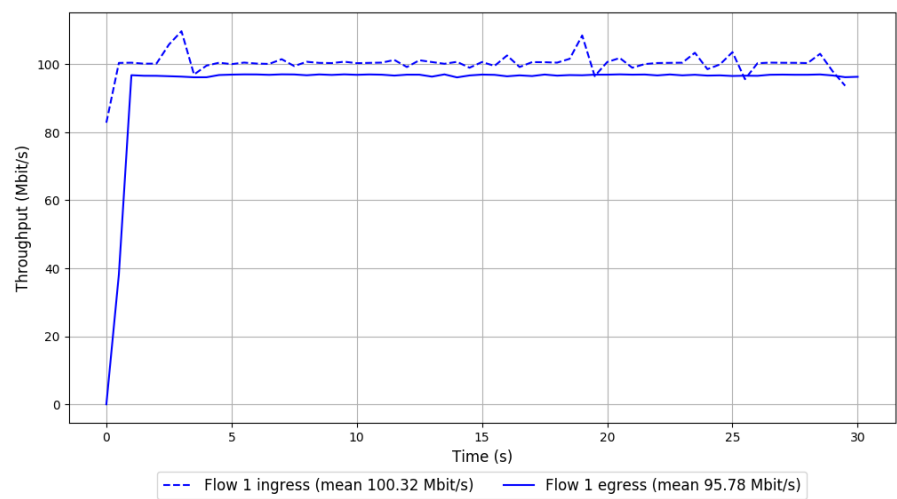


Run 1: Statistics of FillP

Start at: 2018-07-03 10:27:32
End at: 2018-07-03 10:28:02
Local clock offset: 3.587 ms
Remote clock offset: -7.403 ms

Below is generated by plot.py at 2018-07-03 13:41:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 30.152 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 30.152 ms
Loss rate: 4.44%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-03 10:46:35

End at: 2018-07-03 10:47:05

Local clock offset: 3.033 ms

Remote clock offset: -5.54 ms

Below is generated by plot.py at 2018-07-03 13:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 29.613 ms

Loss rate: 4.27%

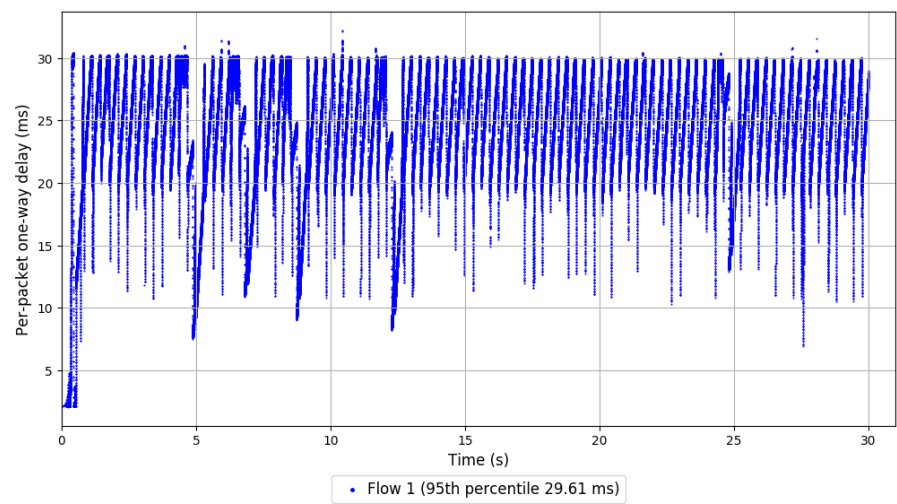
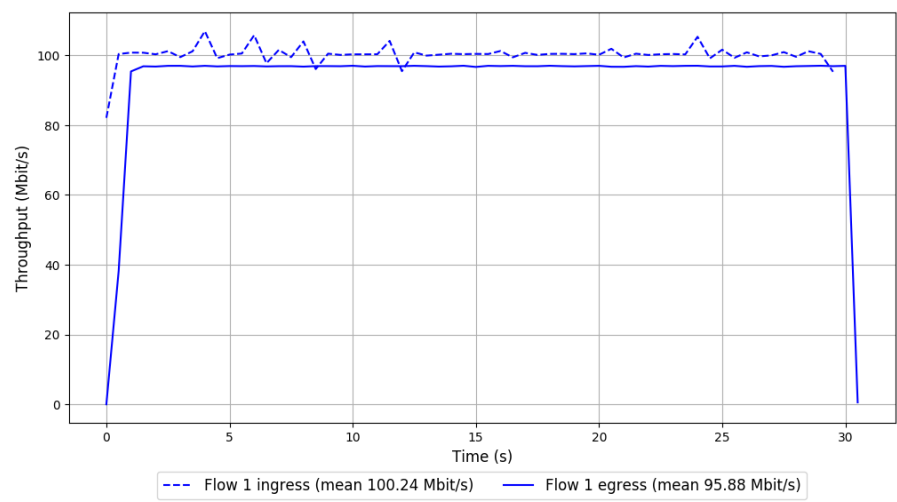
-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 29.613 ms

Loss rate: 4.27%

Run 2: Report of FillP — Data Link

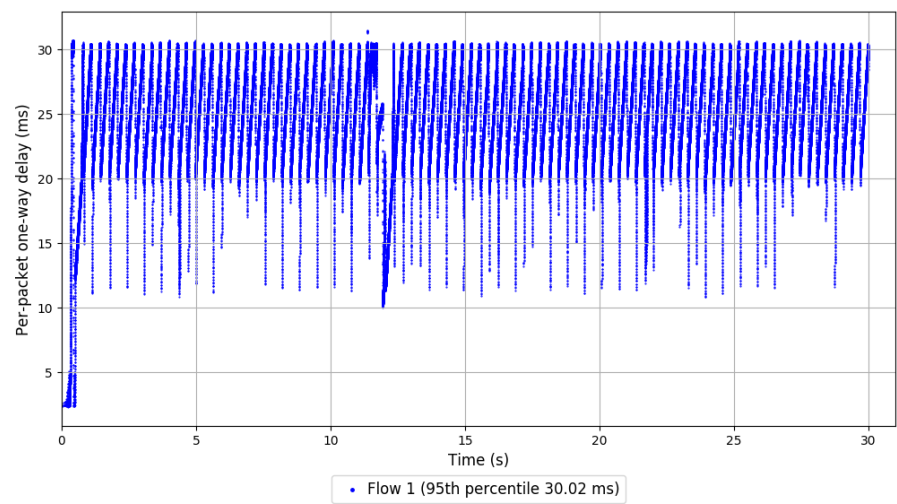
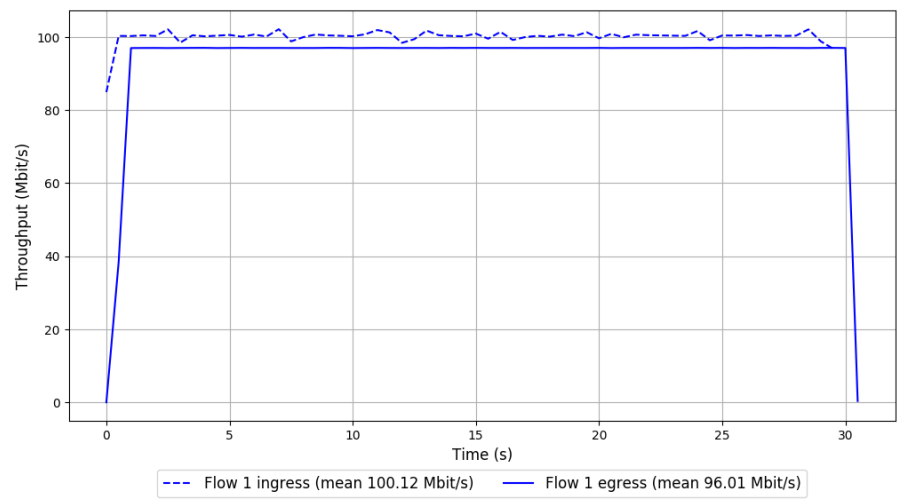


Run 3: Statistics of FillP

Start at: 2018-07-03 11:05:37
End at: 2018-07-03 11:06:07
Local clock offset: 1.993 ms
Remote clock offset: -0.636 ms

Below is generated by plot.py at 2018-07-03 13:42:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 30.025 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 30.025 ms
Loss rate: 4.03%

Run 3: Report of FillP — Data Link

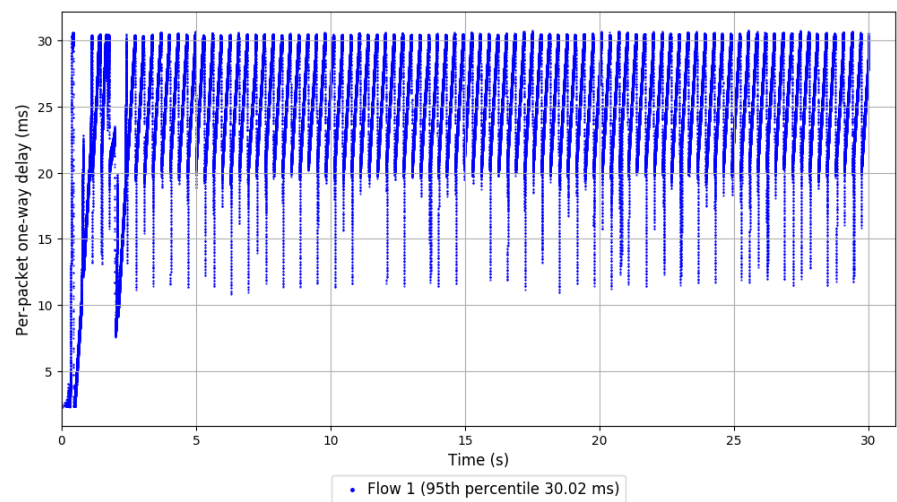
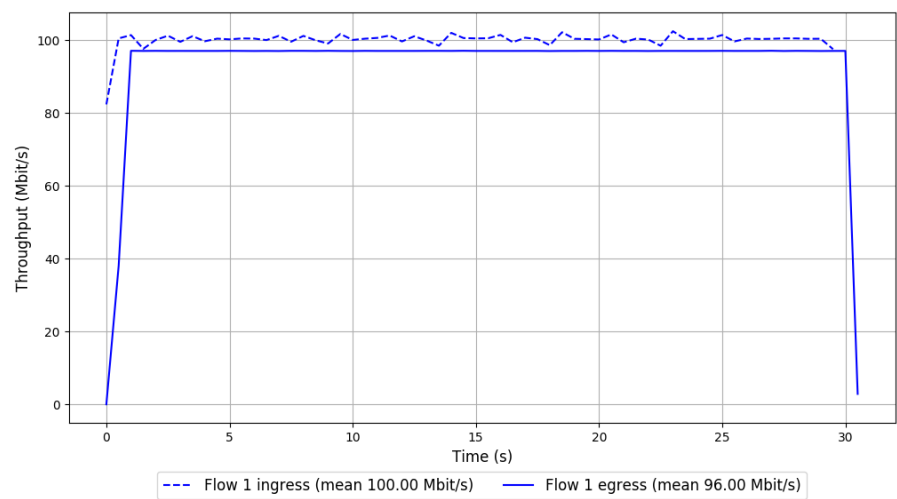


Run 4: Statistics of FillP

Start at: 2018-07-03 11:24:39
End at: 2018-07-03 11:25:10
Local clock offset: -0.062 ms
Remote clock offset: -3.272 ms

Below is generated by plot.py at 2018-07-03 13:42:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.021 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.021 ms
Loss rate: 3.91%

Run 4: Report of FillP — Data Link

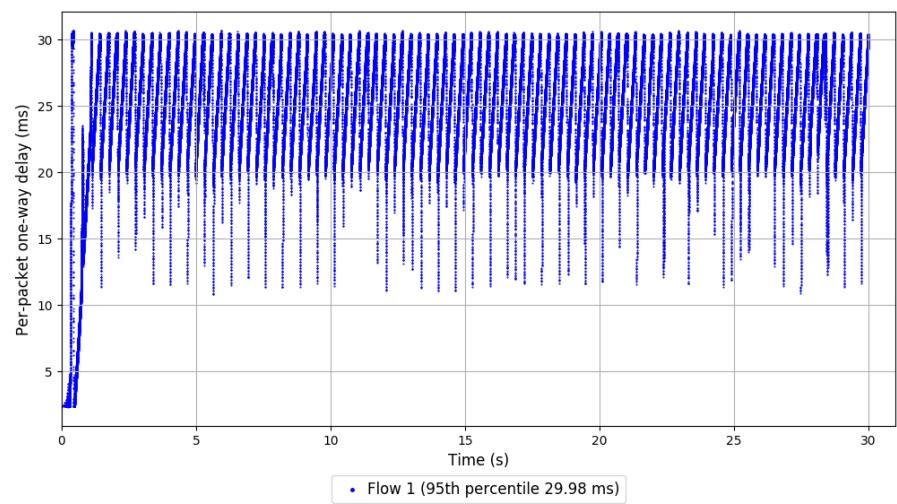
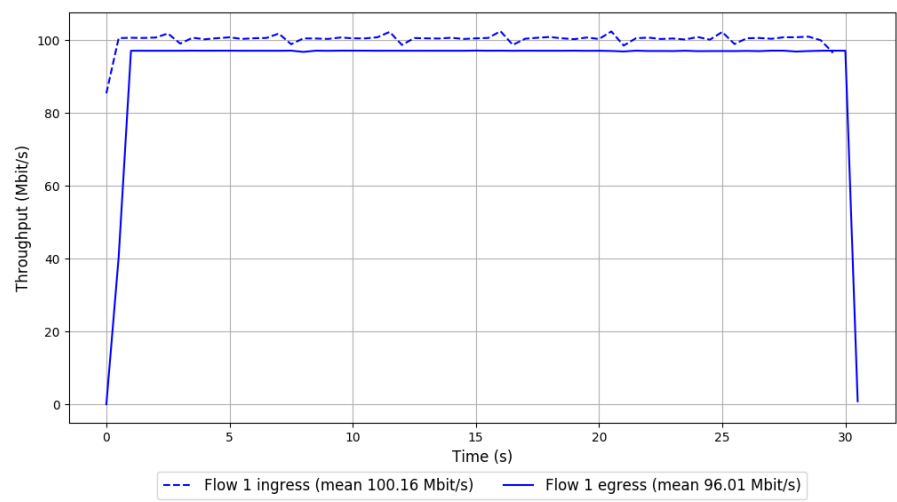


Run 5: Statistics of FillP

Start at: 2018-07-03 11:43:42
End at: 2018-07-03 11:44:12
Local clock offset: -0.237 ms
Remote clock offset: -5.944 ms

Below is generated by plot.py at 2018-07-03 13:42:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.975 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 29.975 ms
Loss rate: 4.05%

Run 5: Report of FillP — Data Link

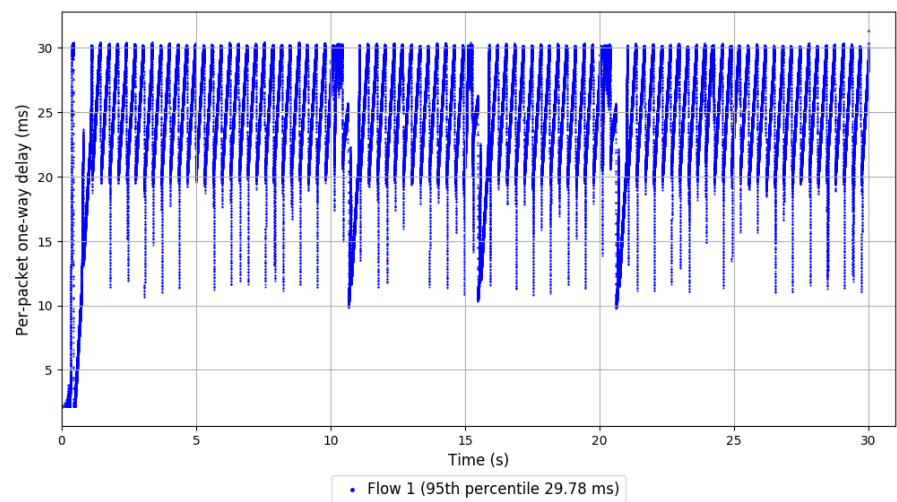
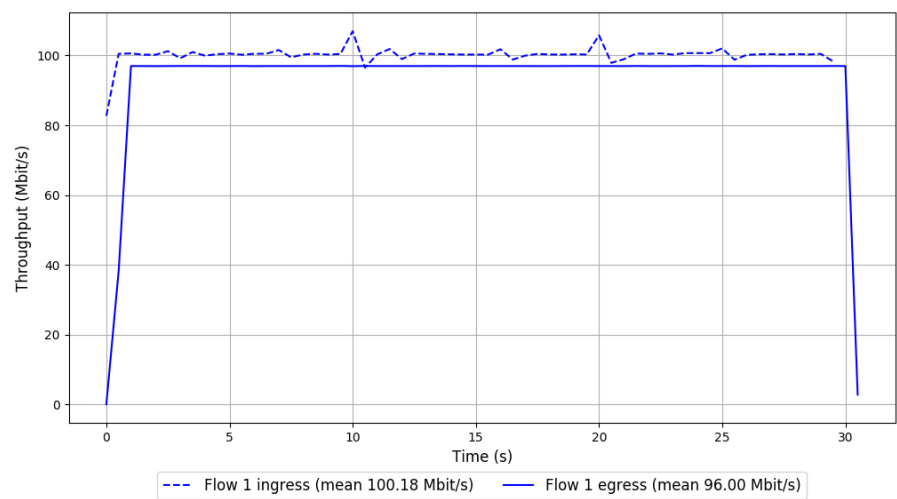


Run 6: Statistics of FillP

Start at: 2018-07-03 12:02:44
End at: 2018-07-03 12:03:14
Local clock offset: -0.855 ms
Remote clock offset: -2.867 ms

Below is generated by plot.py at 2018-07-03 13:42:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.776 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 29.776 ms
Loss rate: 4.08%

Run 6: Report of FillP — Data Link

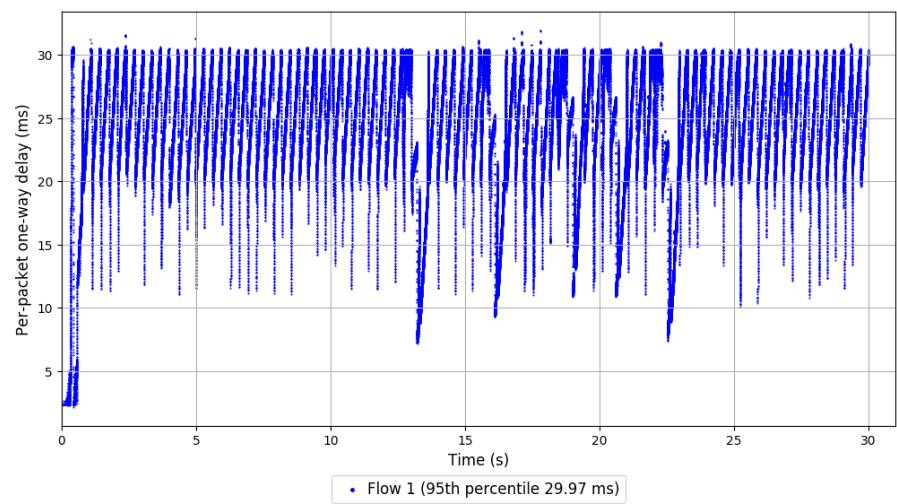
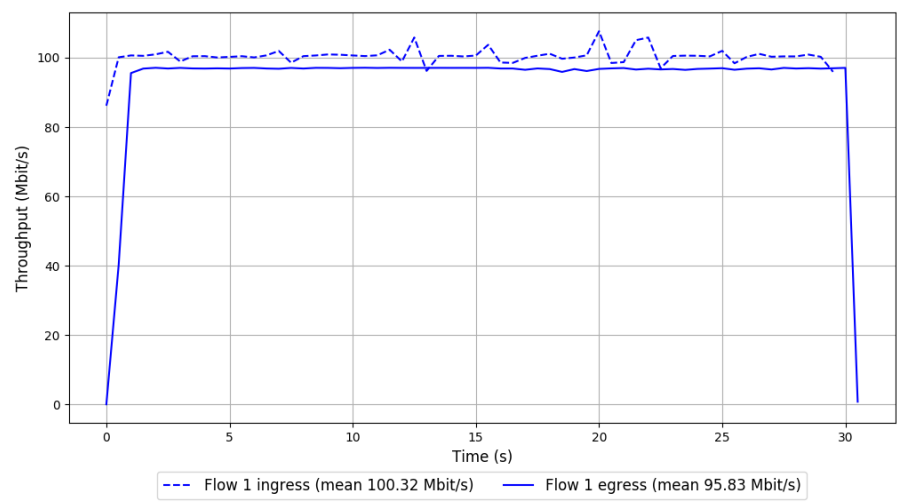


Run 7: Statistics of FillP

Start at: 2018-07-03 12:21:46
End at: 2018-07-03 12:22:16
Local clock offset: -1.323 ms
Remote clock offset: -0.775 ms

Below is generated by plot.py at 2018-07-03 13:42:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 29.973 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 29.973 ms
Loss rate: 4.38%

Run 7: Report of FillP — Data Link

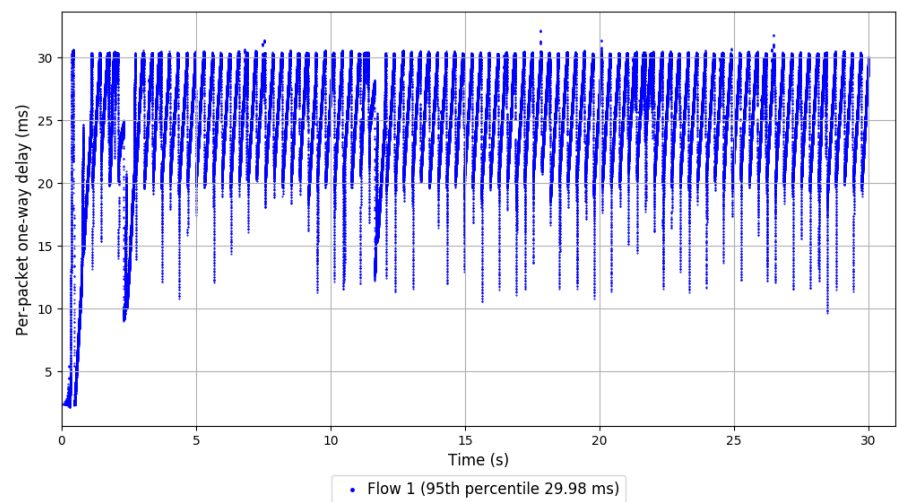
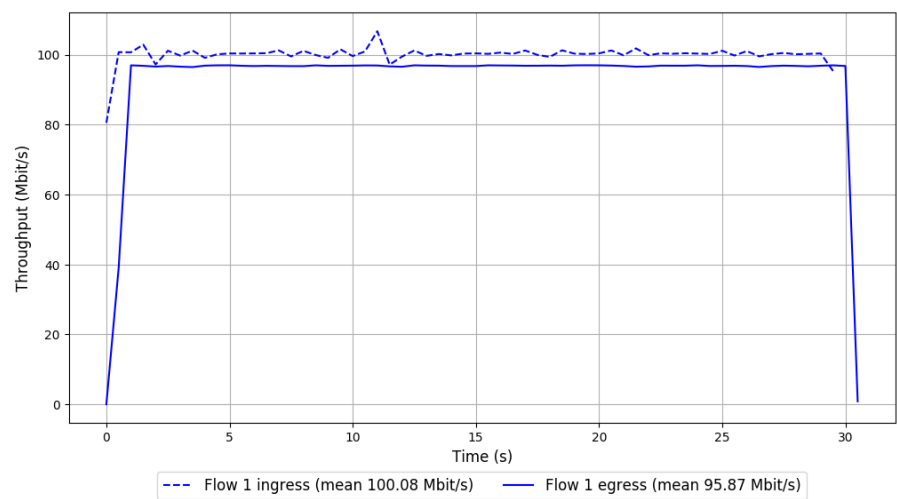


Run 8: Statistics of FillP

Start at: 2018-07-03 12:40:54
End at: 2018-07-03 12:41:24
Local clock offset: -1.176 ms
Remote clock offset: -1.255 ms

Below is generated by plot.py at 2018-07-03 13:42:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 29.976 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 29.976 ms
Loss rate: 4.12%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-03 12:59:56

End at: 2018-07-03 13:00:26

Local clock offset: -1.248 ms

Remote clock offset: -1.03 ms

Below is generated by plot.py at 2018-07-03 13:43:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 30.042 ms

Loss rate: 4.10%

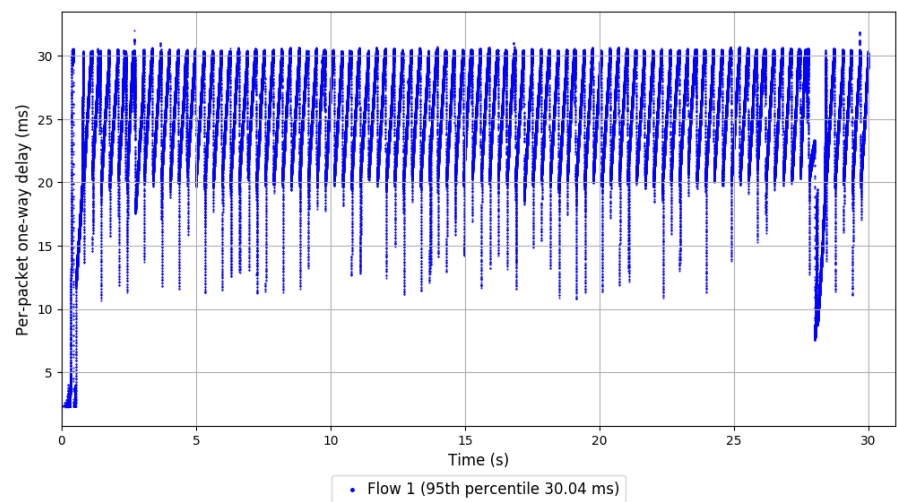
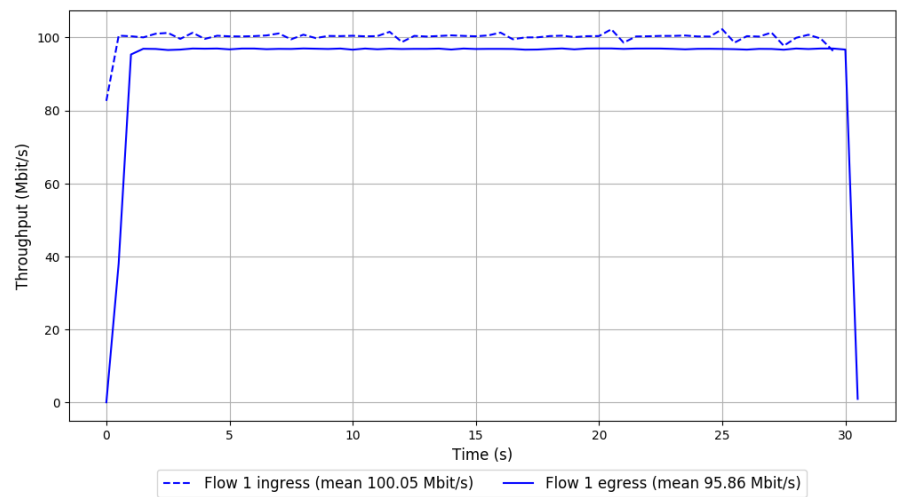
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 30.042 ms

Loss rate: 4.10%

Run 9: Report of FillP — Data Link

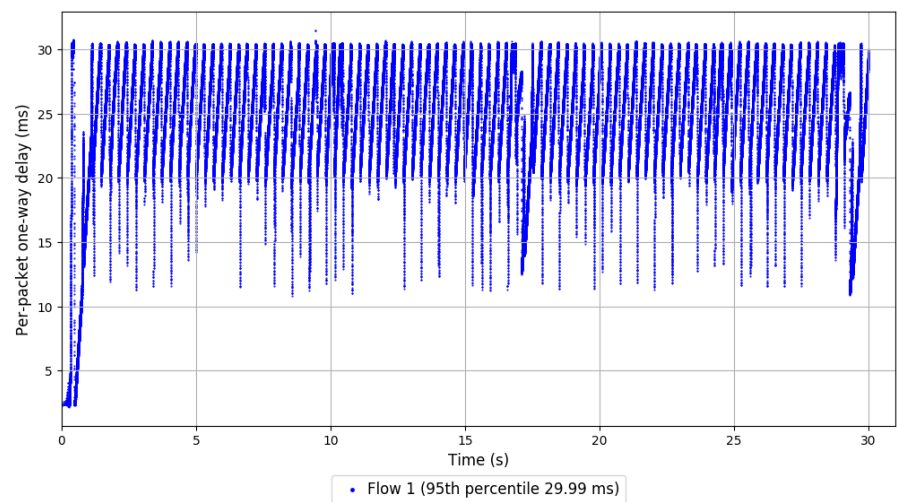
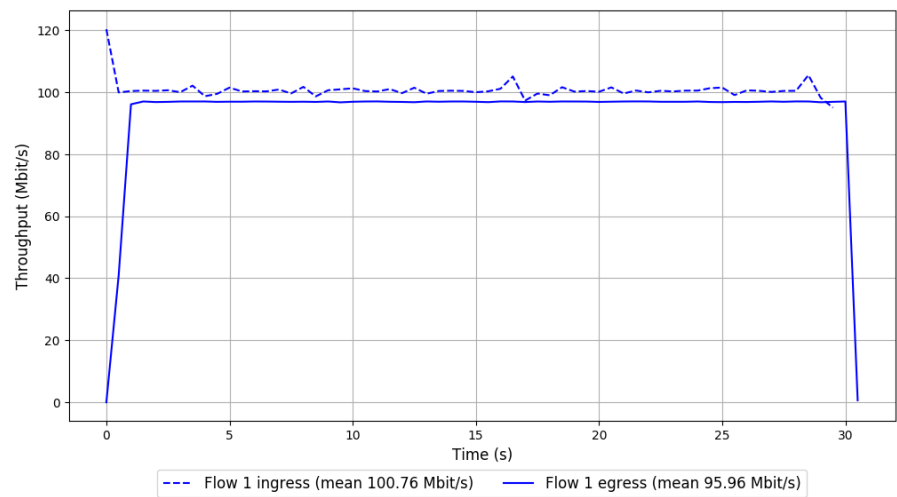


Run 10: Statistics of FillP

Start at: 2018-07-03 13:18:58
End at: 2018-07-03 13:19:28
Local clock offset: -1.463 ms
Remote clock offset: -2.779 ms

Below is generated by plot.py at 2018-07-03 13:43:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 4.68%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-03 10:25:16

End at: 2018-07-03 10:25:46

Local clock offset: 3.202 ms

Remote clock offset: -7.446 ms

Below is generated by plot.py at 2018-07-03 13:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 30.254 ms

Loss rate: 4.43%

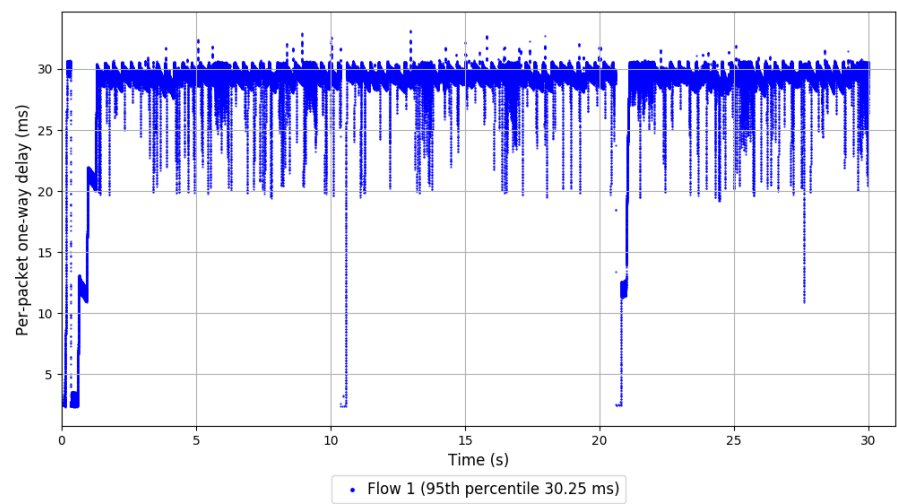
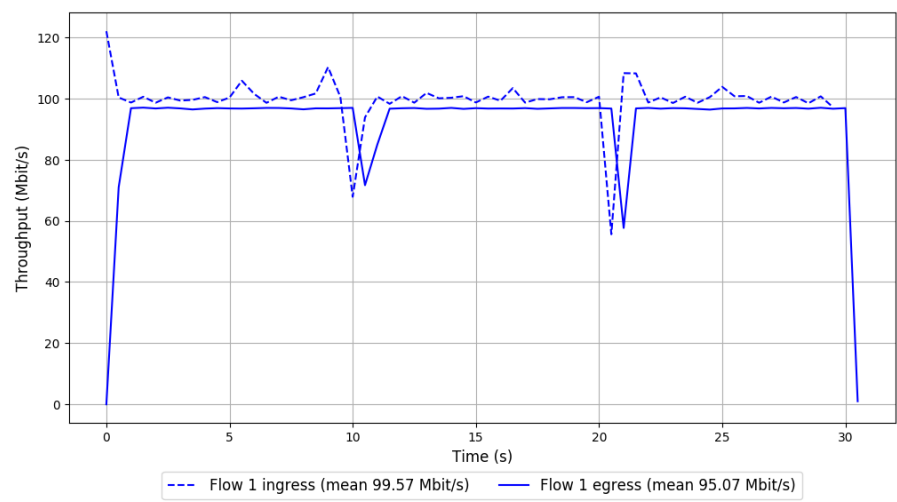
-- Flow 1:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 30.254 ms

Loss rate: 4.43%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-03 10:44:18

End at: 2018-07-03 10:44:48

Local clock offset: 3.99 ms

Remote clock offset: -6.909 ms

Below is generated by plot.py at 2018-07-03 13:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 29.519 ms

Loss rate: 3.75%

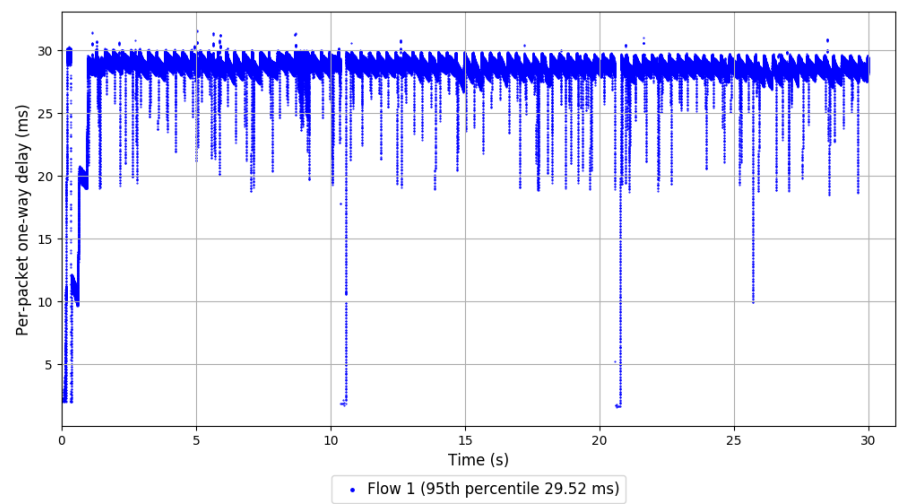
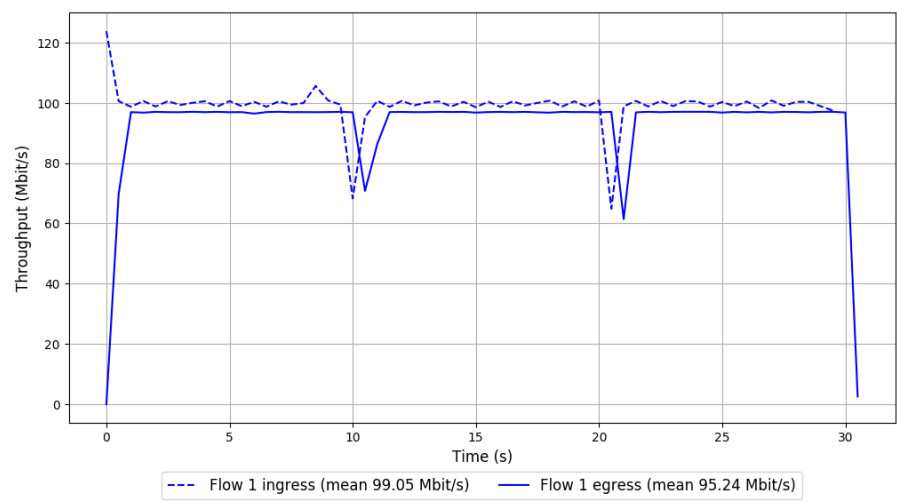
-- Flow 1:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 29.519 ms

Loss rate: 3.75%

Run 2: Report of FillP-Sheep — Data Link

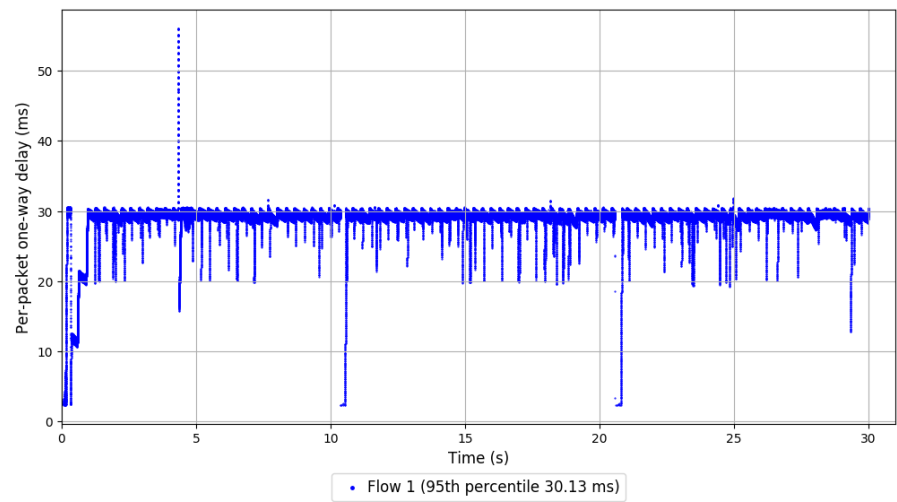
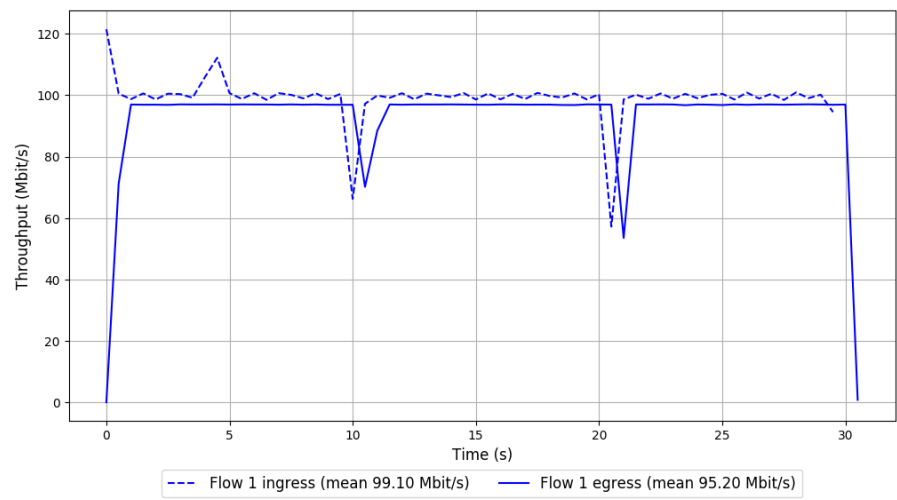


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-03 11:03:21
End at: 2018-07-03 11:03:51
Local clock offset: 1.781 ms
Remote clock offset: -1.012 ms

Below is generated by plot.py at 2018-07-03 13:43:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 30.128 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 30.128 ms
Loss rate: 3.84%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-03 11:22:23

End at: 2018-07-03 11:22:53

Local clock offset: 0.039 ms

Remote clock offset: -2.309 ms

Below is generated by plot.py at 2018-07-03 13:43:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 30.257 ms

Loss rate: 3.55%

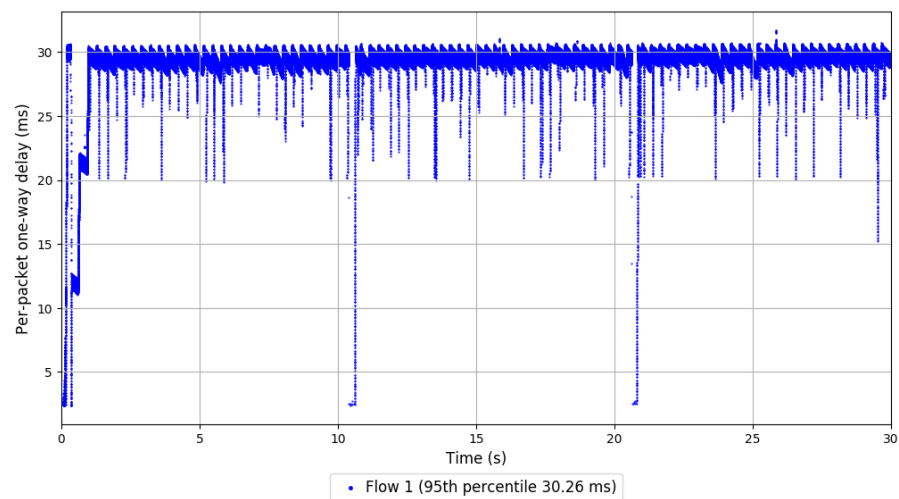
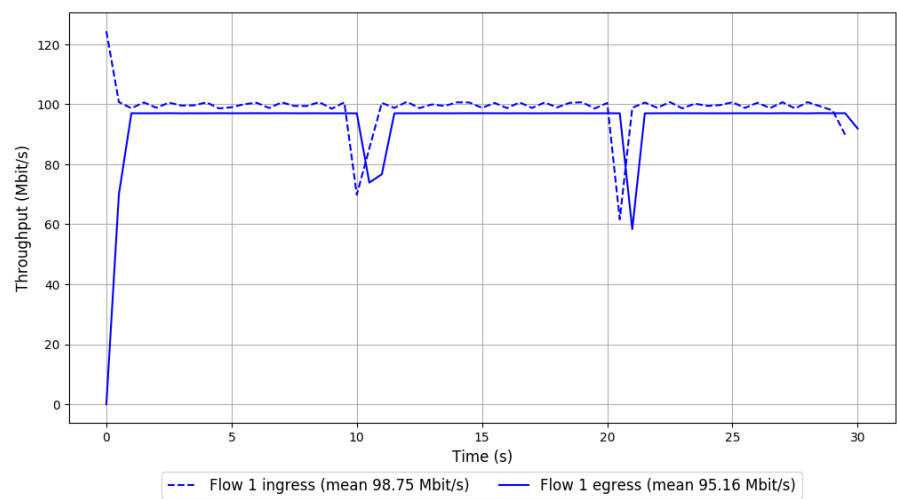
-- Flow 1:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 30.257 ms

Loss rate: 3.55%

Run 4: Report of FillP-Sheep — Data Link

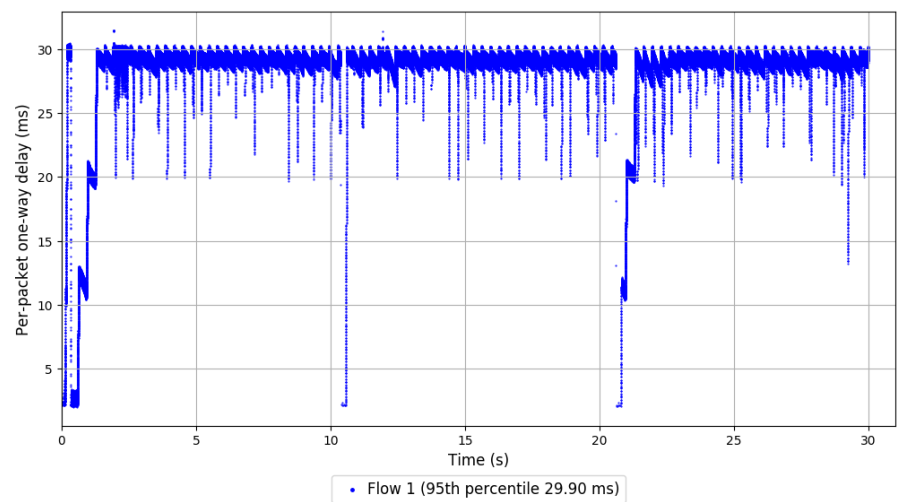
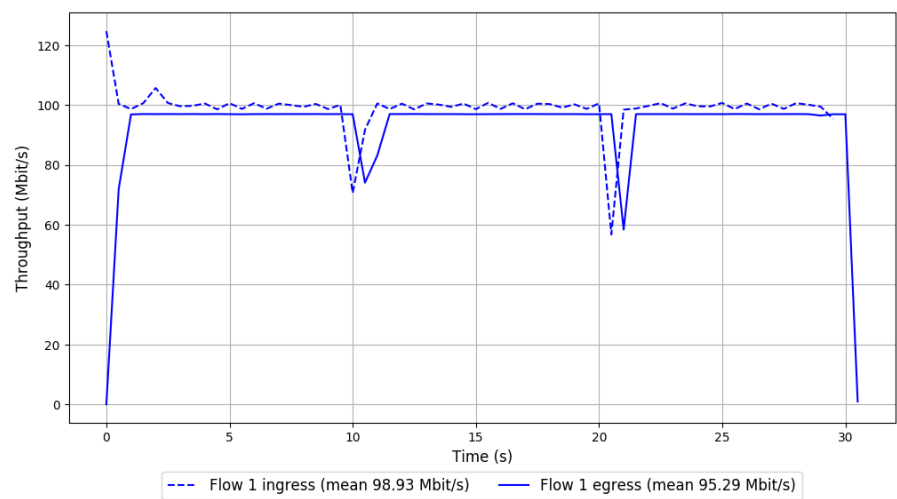


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-03 11:41:25
End at: 2018-07-03 11:41:55
Local clock offset: 0.31 ms
Remote clock offset: -5.926 ms

Below is generated by plot.py at 2018-07-03 13:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 29.898 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 29.898 ms
Loss rate: 3.58%

Run 5: Report of FillP-Sheep — Data Link

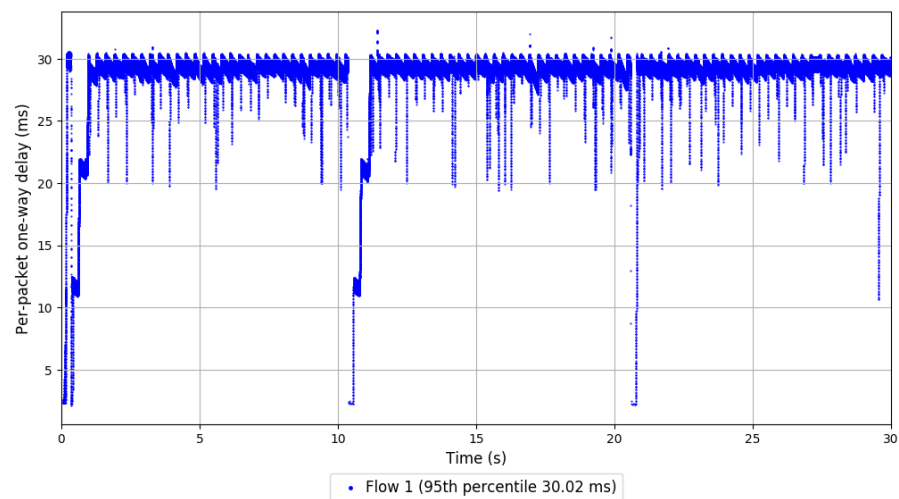
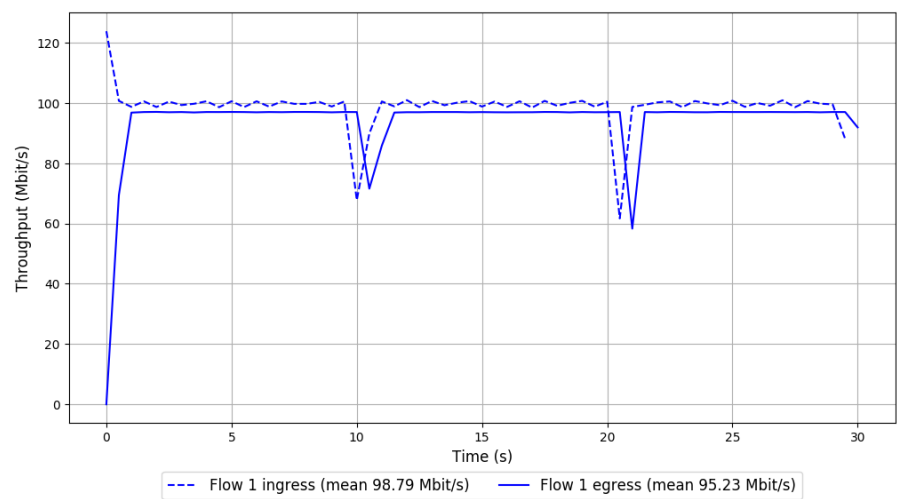


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-03 12:00:27
End at: 2018-07-03 12:00:57
Local clock offset: -0.907 ms
Remote clock offset: -3.176 ms

Below is generated by plot.py at 2018-07-03 13:43:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 30.022 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 30.022 ms
Loss rate: 3.51%

Run 6: Report of FillP-Sheep — Data Link

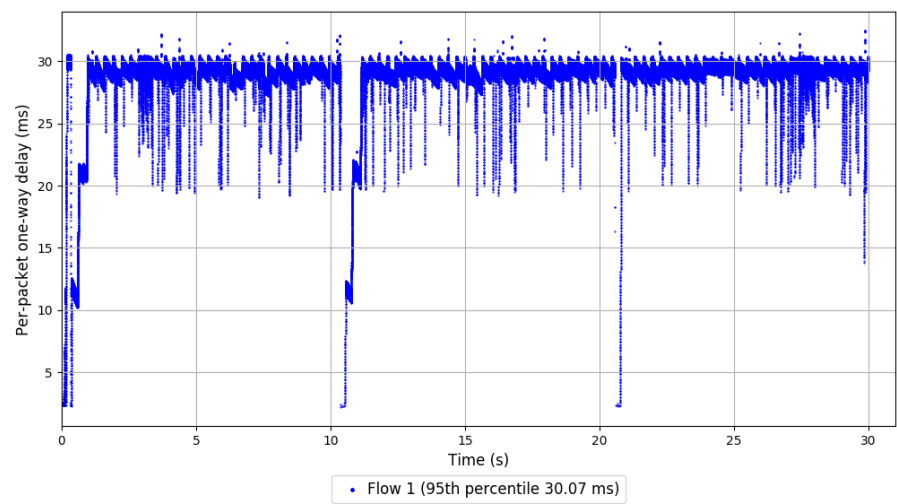
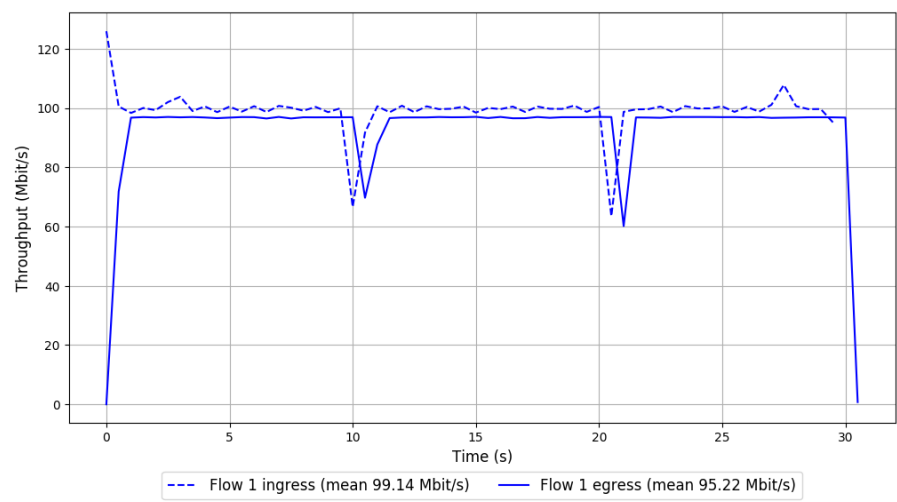


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-03 12:19:29
End at: 2018-07-03 12:19:59
Local clock offset: -1.262 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2018-07-03 13:44:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 30.070 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 30.070 ms
Loss rate: 3.87%

Run 7: Report of FillP-Sheep — Data Link

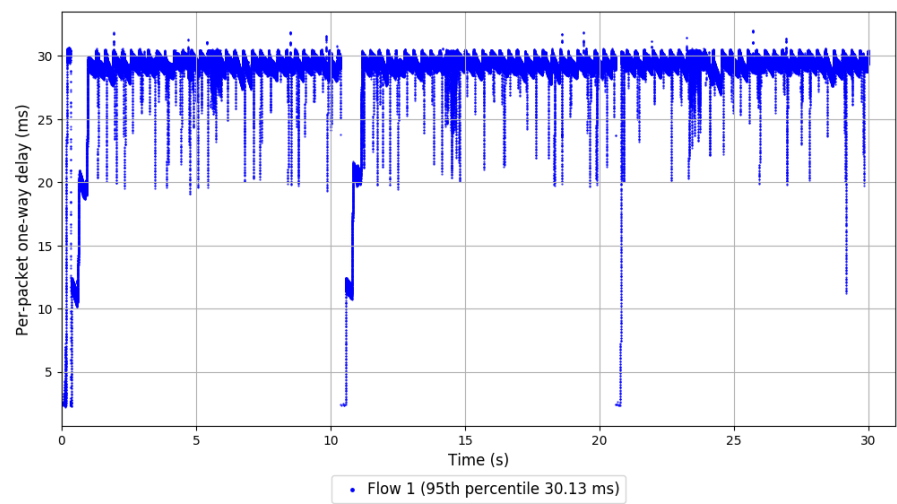
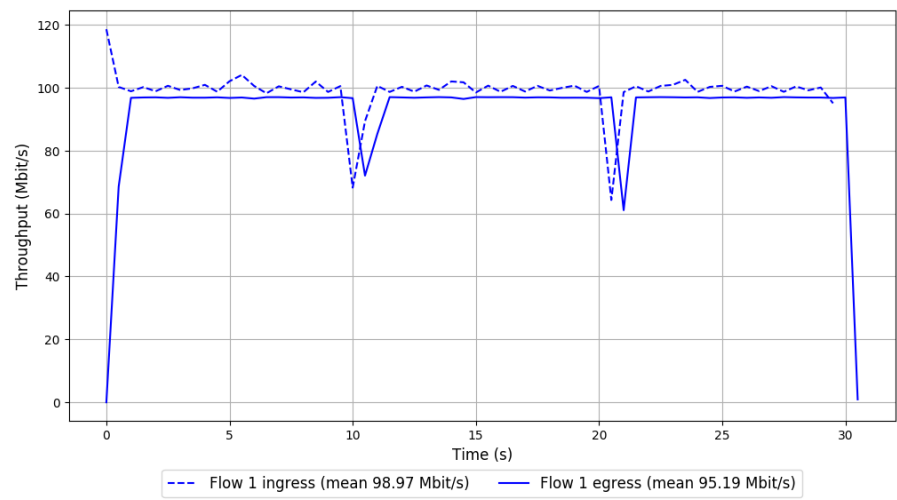


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-03 12:38:37
End at: 2018-07-03 12:39:07
Local clock offset: -1.223 ms
Remote clock offset: -1.259 ms

Below is generated by plot.py at 2018-07-03 13:44:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 30.133 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 30.133 ms
Loss rate: 3.73%

Run 8: Report of FillP-Sheep — Data Link

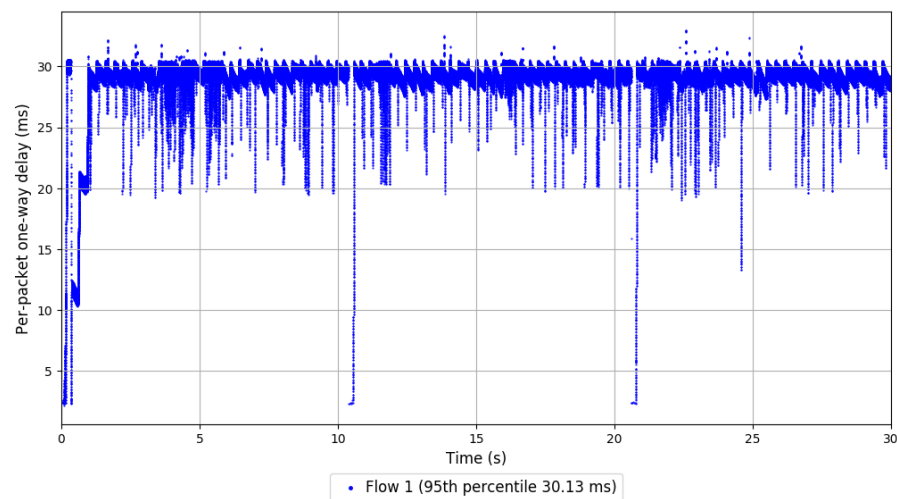
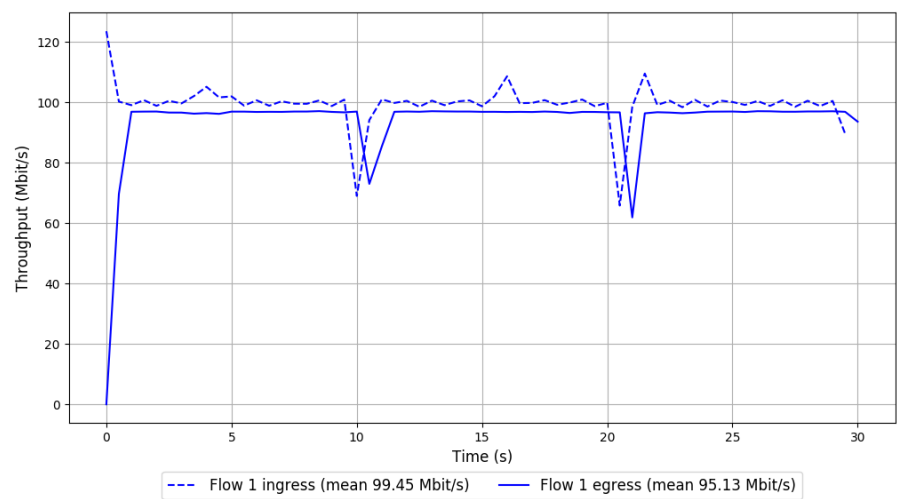


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-03 12:57:40
End at: 2018-07-03 12:58:10
Local clock offset: -1.266 ms
Remote clock offset: -0.978 ms

Below is generated by plot.py at 2018-07-03 13:45:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 30.134 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 30.134 ms
Loss rate: 4.26%

Run 9: Report of FillP-Sheep — Data Link

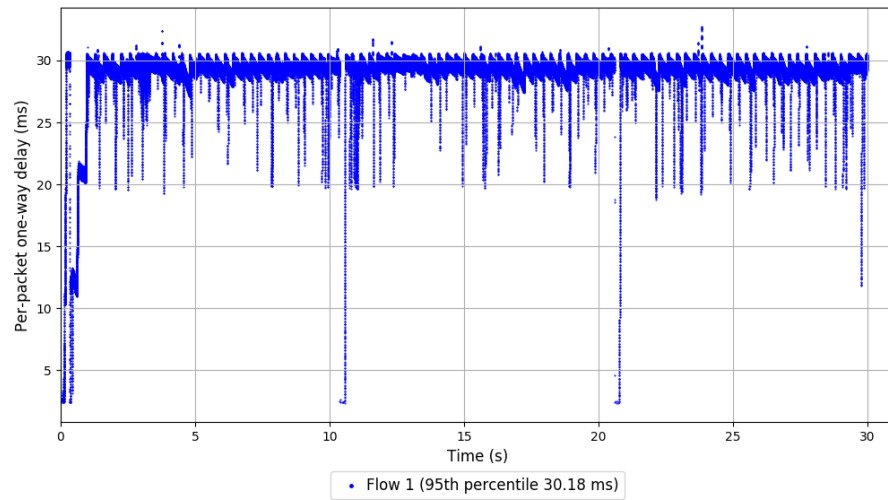
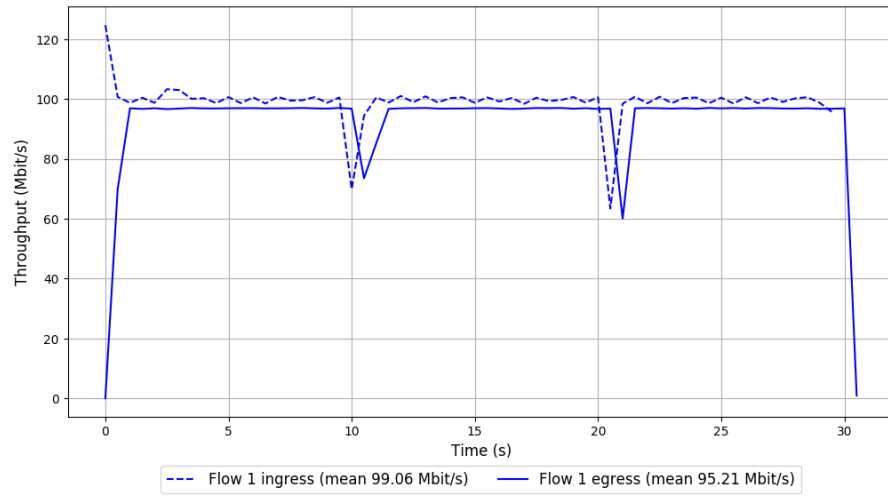


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-03 13:16:42
End at: 2018-07-03 13:17:12
Local clock offset: -1.465 ms
Remote clock offset: -2.718 ms

Below is generated by plot.py at 2018-07-03 13:45:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 30.185 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 30.185 ms
Loss rate: 3.80%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-03 10:39:50

End at: 2018-07-03 10:40:20

Local clock offset: 6.336 ms

Remote clock offset: -7.568 ms

Below is generated by plot.py at 2018-07-03 13:45:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 5.277 ms

Loss rate: 0.00%

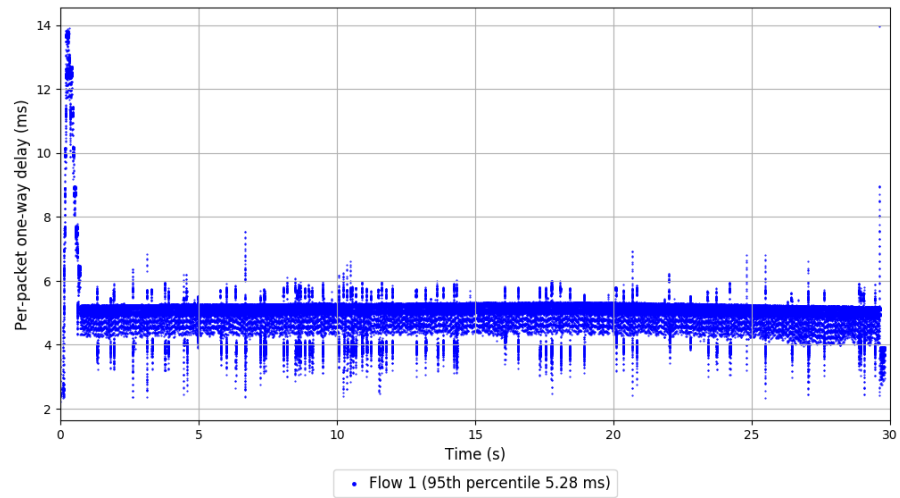
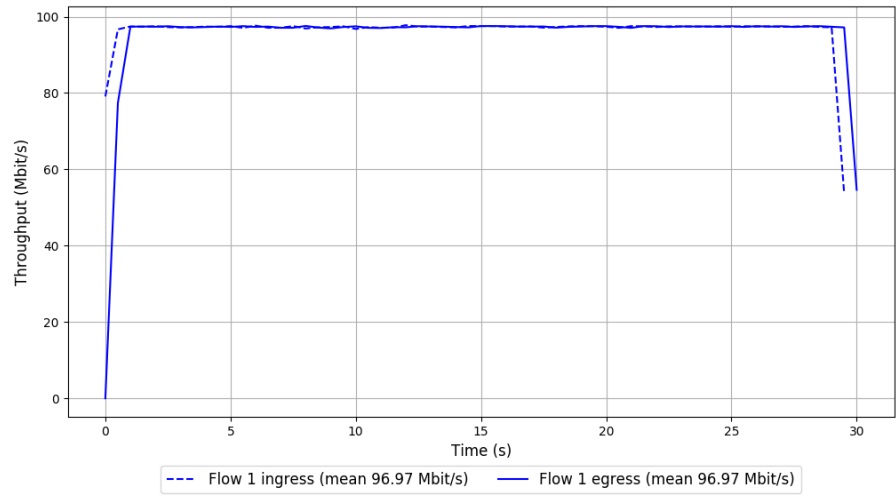
-- Flow 1:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 5.277 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-03 10:58:52

End at: 2018-07-03 10:59:22

Local clock offset: 1.584 ms

Remote clock offset: -1.71 ms

Below is generated by plot.py at 2018-07-03 13:45:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 5.134 ms

Loss rate: 0.00%

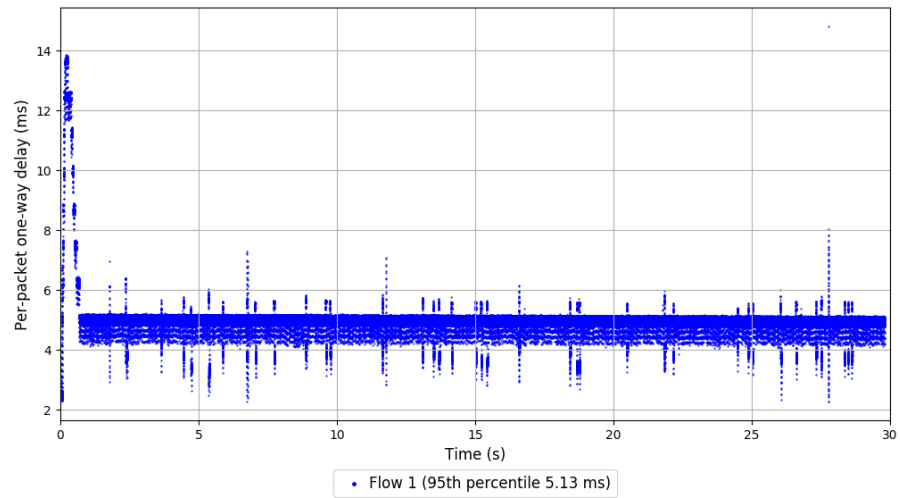
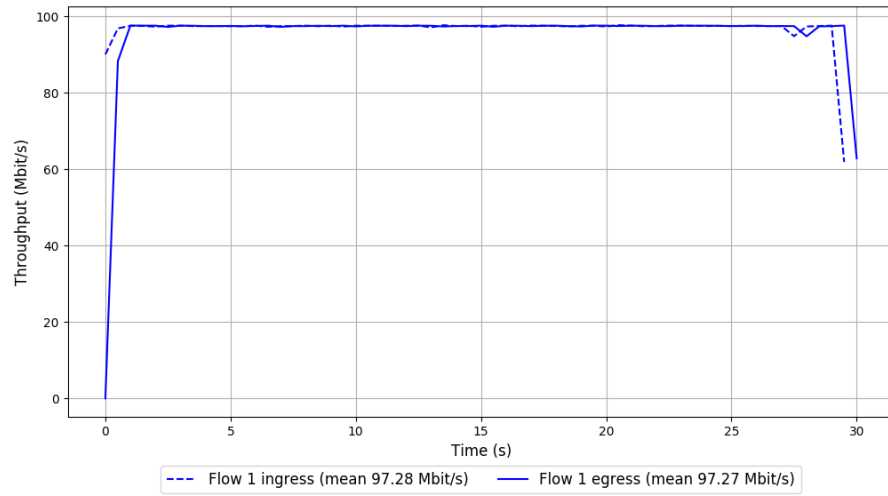
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 5.134 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-03 11:17:54

End at: 2018-07-03 11:18:24

Local clock offset: 0.479 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-07-03 13:45:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.402 ms

Loss rate: 0.00%

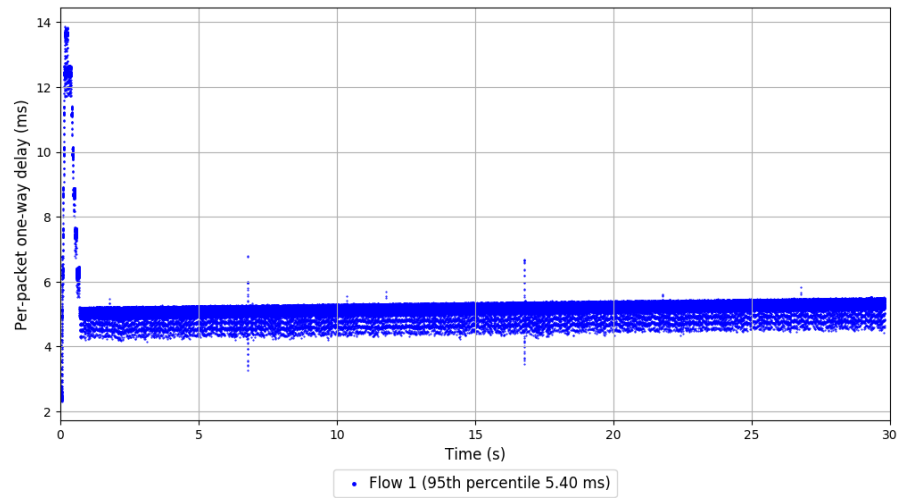
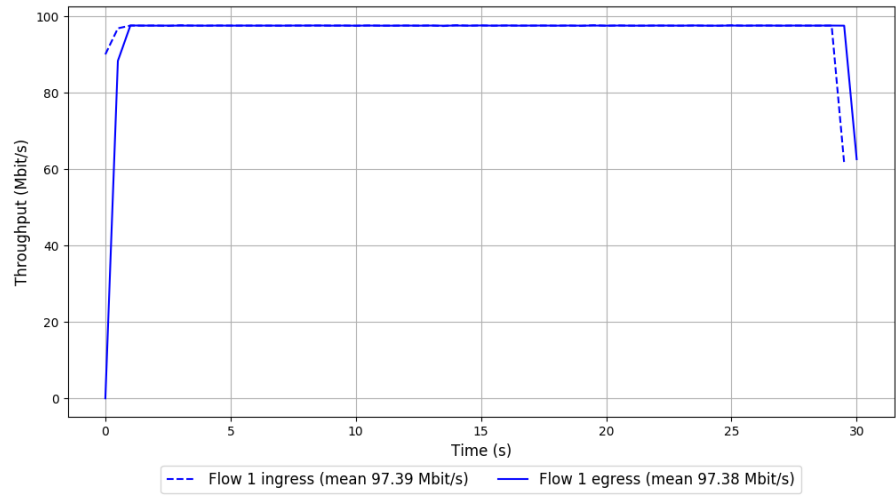
-- Flow 1:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 5.402 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

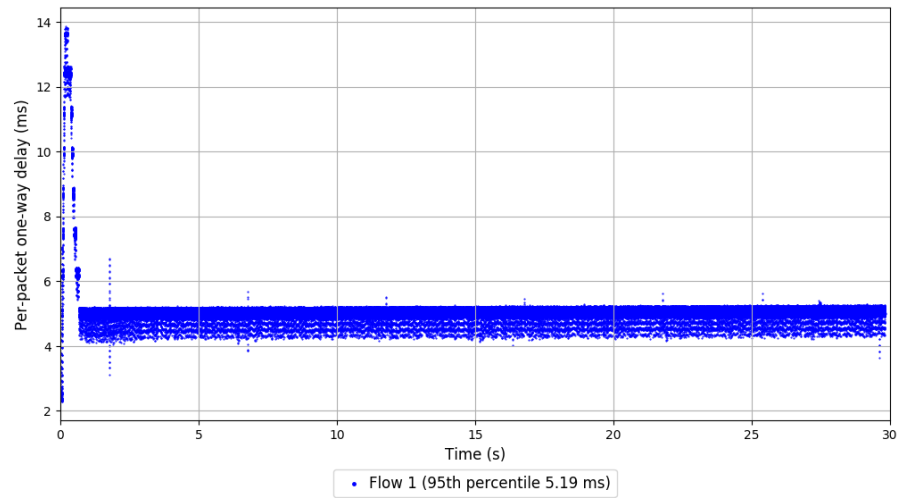
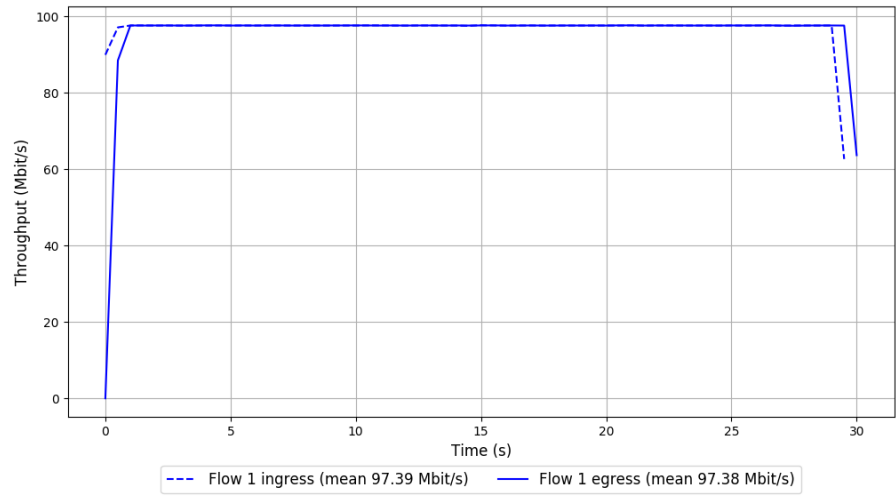


Run 4: Statistics of Indigo

Start at: 2018-07-03 11:36:57
End at: 2018-07-03 11:37:27
Local clock offset: 0.253 ms
Remote clock offset: -5.603 ms

Below is generated by plot.py at 2018-07-03 13:45:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 5.193 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

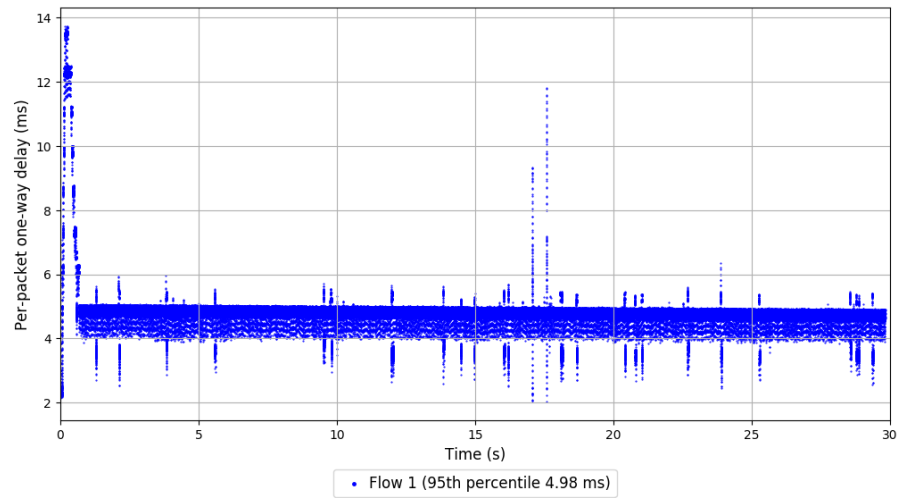
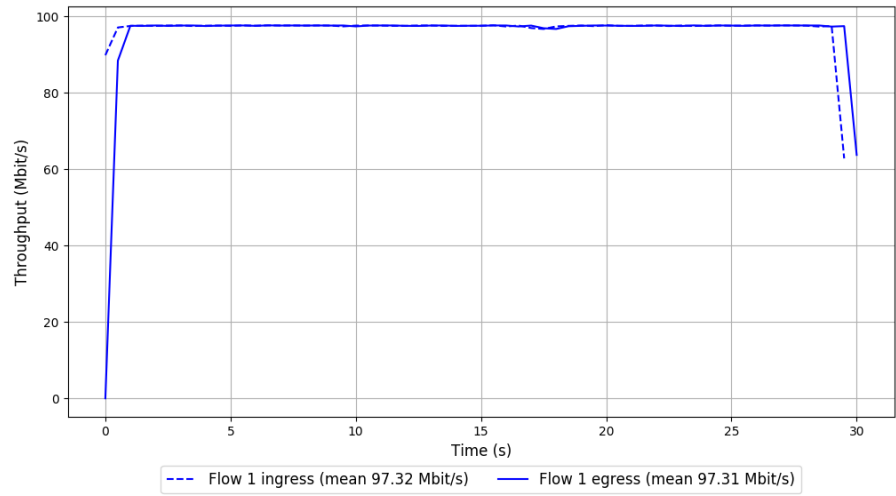


Run 5: Statistics of Indigo

Start at: 2018-07-03 11:55:59
End at: 2018-07-03 11:56:29
Local clock offset: -0.948 ms
Remote clock offset: -4.443 ms

Below is generated by plot.py at 2018-07-03 13:46:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 4.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 4.983 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

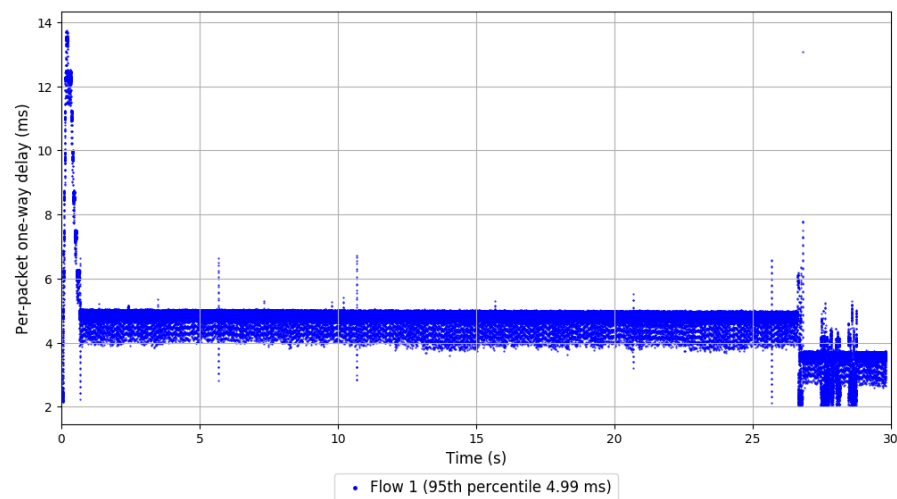
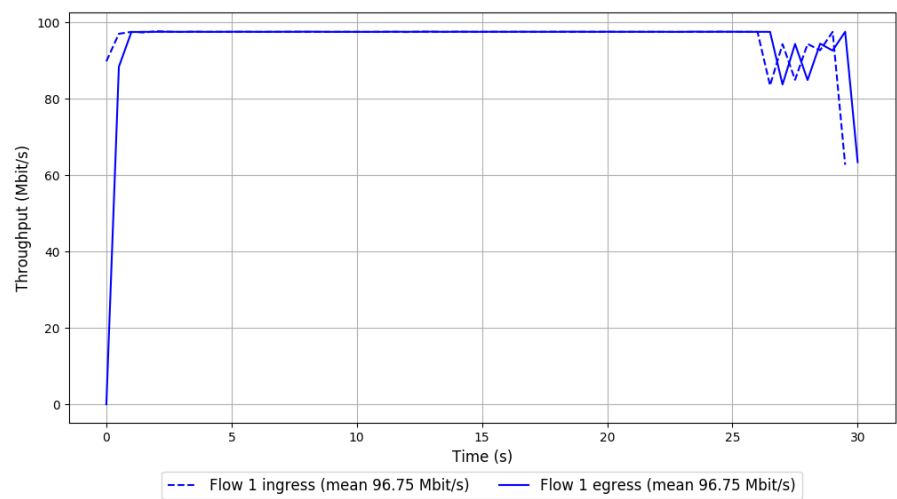


Run 6: Statistics of Indigo

Start at: 2018-07-03 12:15:01
End at: 2018-07-03 12:15:31
Local clock offset: -1.056 ms
Remote clock offset: -1.381 ms

Below is generated by plot.py at 2018-07-03 13:46:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 4.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 4.985 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

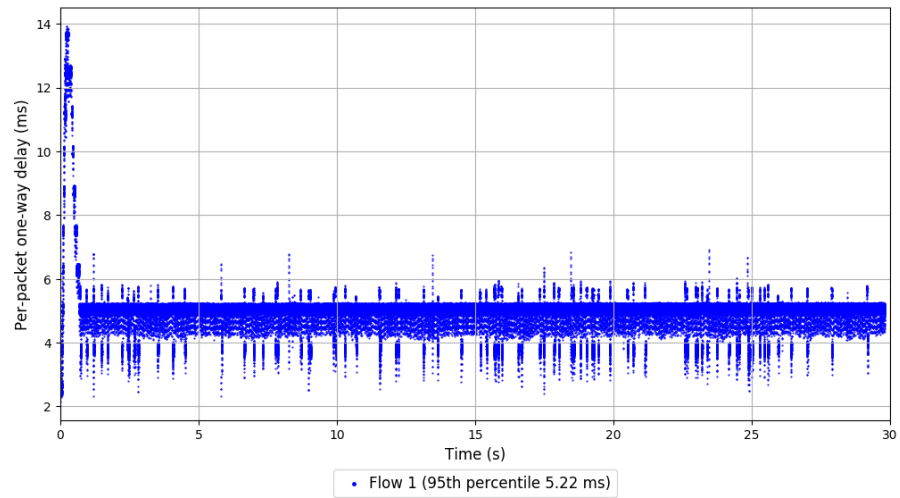
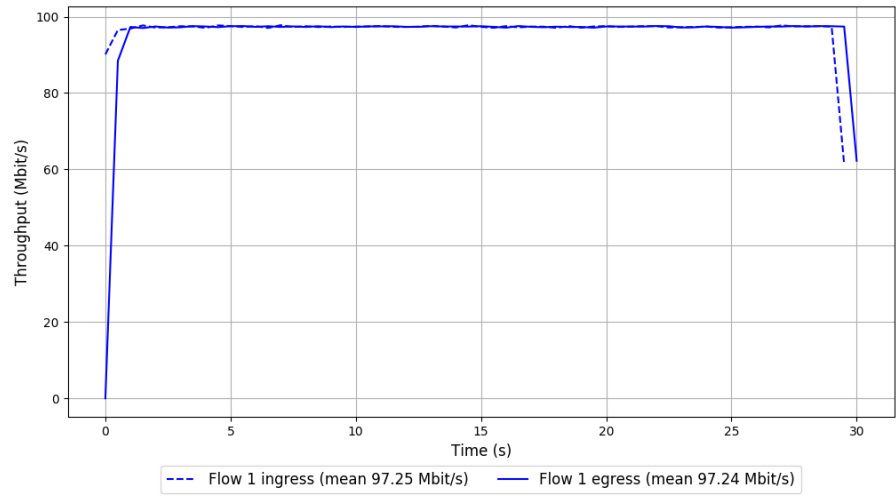


Run 7: Statistics of Indigo

Start at: 2018-07-03 12:34:08
End at: 2018-07-03 12:34:38
Local clock offset: -1.293 ms
Remote clock offset: -1.157 ms

Below is generated by plot.py at 2018-07-03 13:46:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 5.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 5.223 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

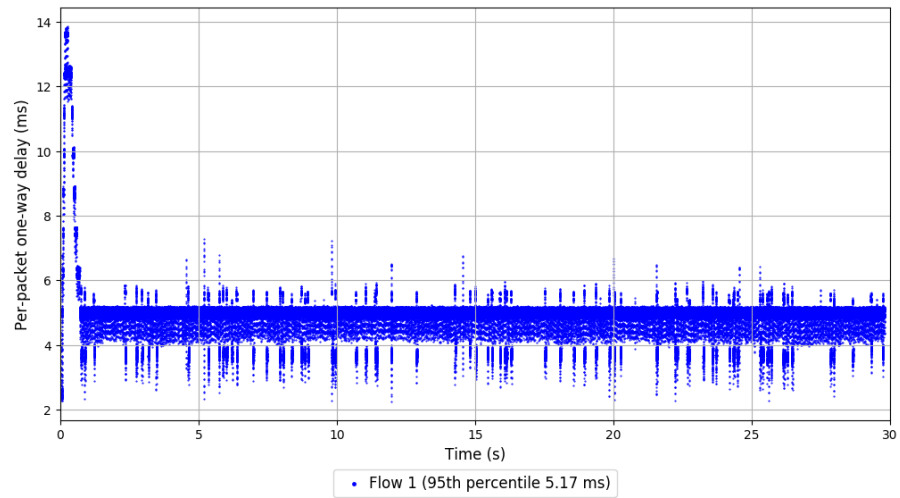
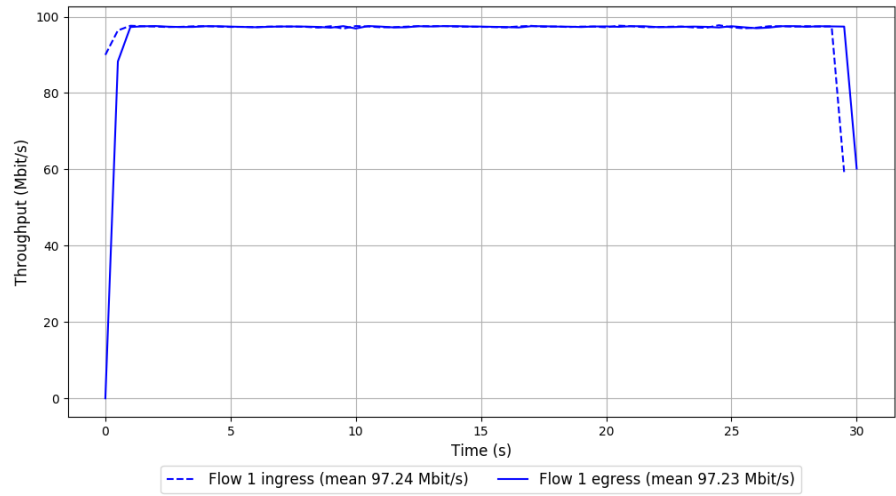


Run 8: Statistics of Indigo

Start at: 2018-07-03 12:53:11
End at: 2018-07-03 12:53:41
Local clock offset: -1.258 ms
Remote clock offset: -1.052 ms

Below is generated by plot.py at 2018-07-03 13:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.166 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

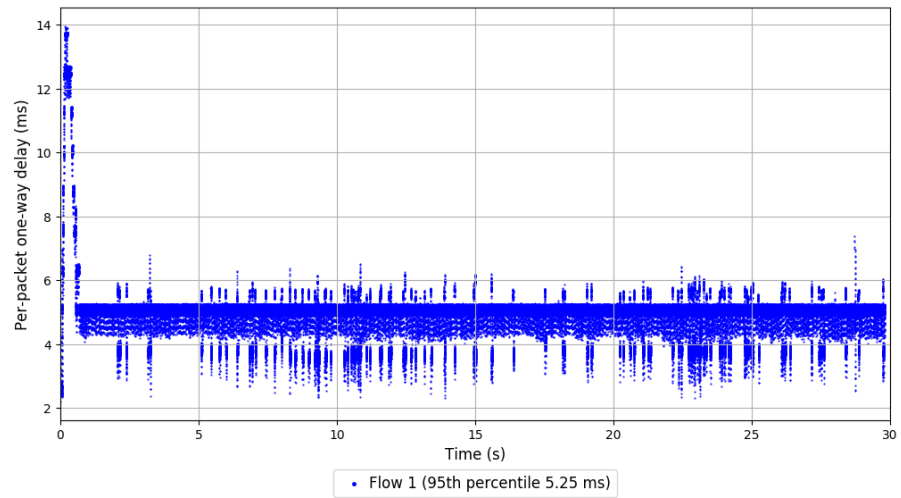
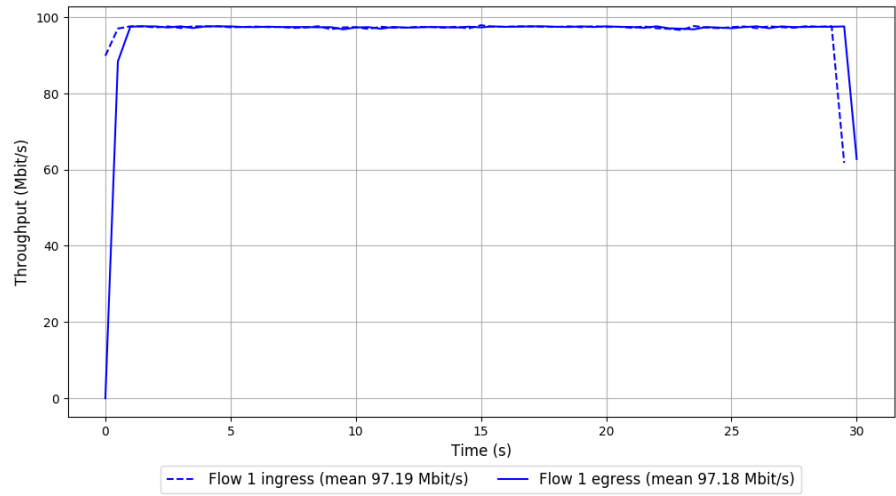


Run 9: Statistics of Indigo

Start at: 2018-07-03 13:12:14
End at: 2018-07-03 13:12:44
Local clock offset: -1.205 ms
Remote clock offset: -2.469 ms

Below is generated by plot.py at 2018-07-03 13:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 5.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 5.248 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-03 13:31:16

End at: 2018-07-03 13:31:46

Local clock offset: -1.509 ms

Remote clock offset: -3.151 ms

Below is generated by plot.py at 2018-07-03 13:46:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 5.043 ms

Loss rate: 0.00%

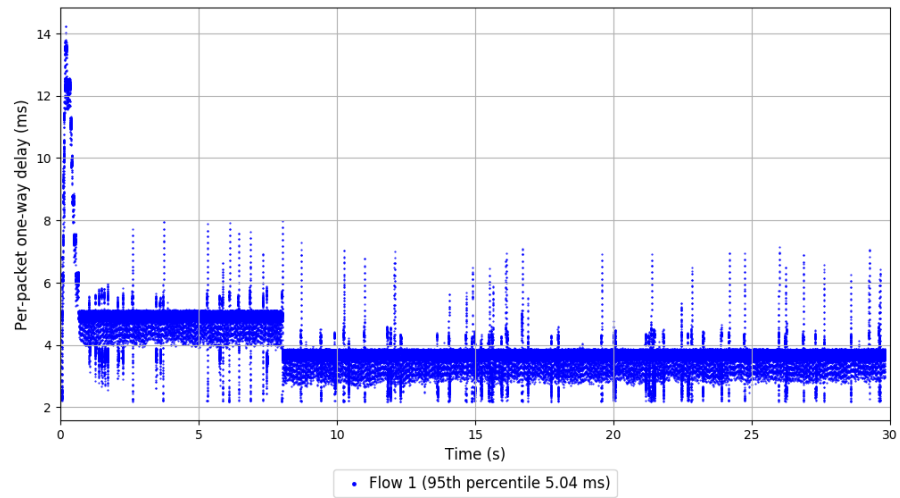
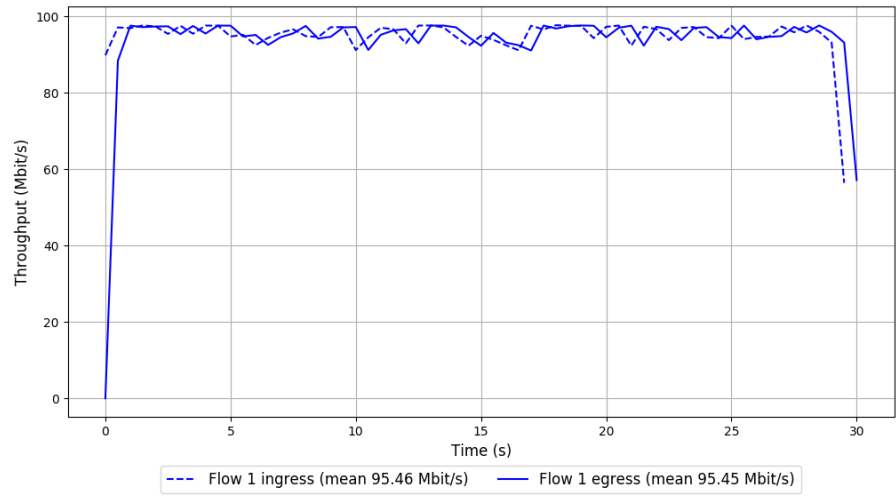
-- Flow 1:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 5.043 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

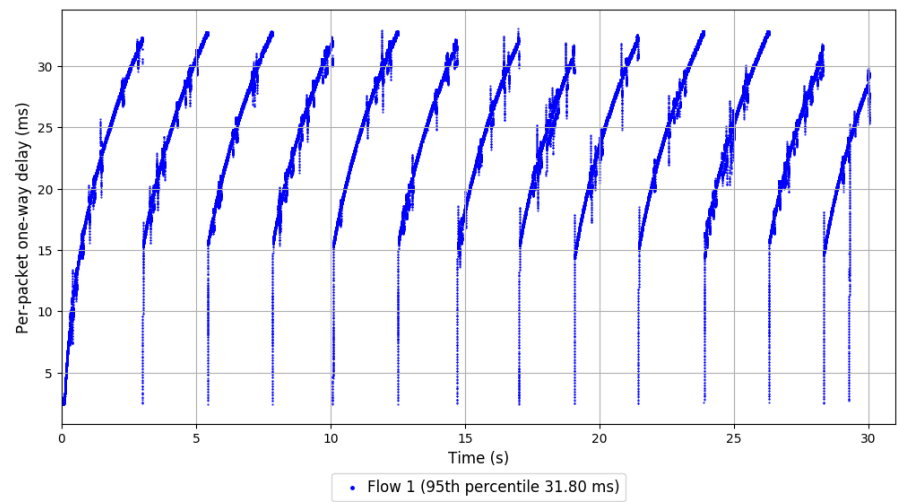
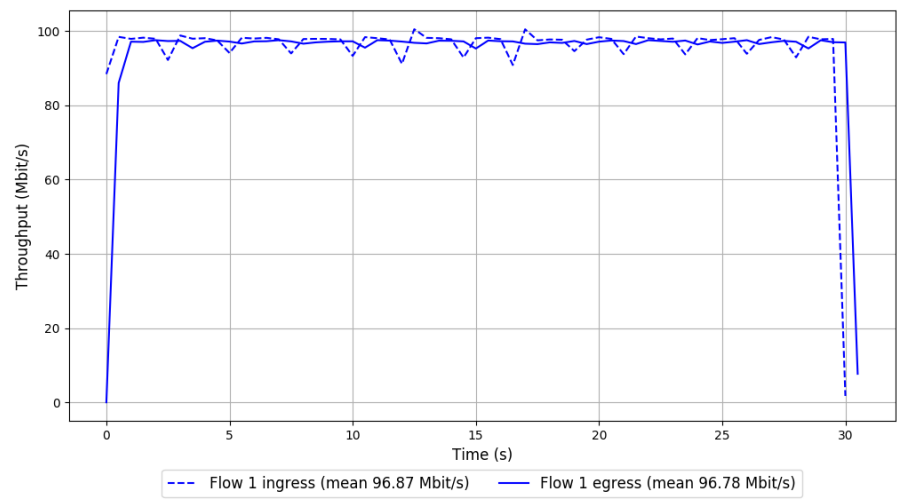


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-03 10:28:39
End at: 2018-07-03 10:29:09
Local clock offset: 3.784 ms
Remote clock offset: -7.421 ms

# Below is generated by plot.py at 2018-07-03 13:46:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

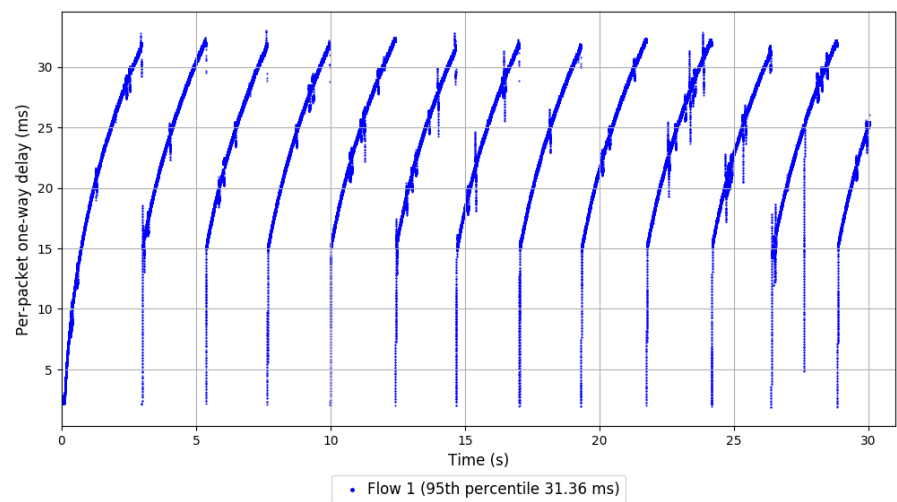
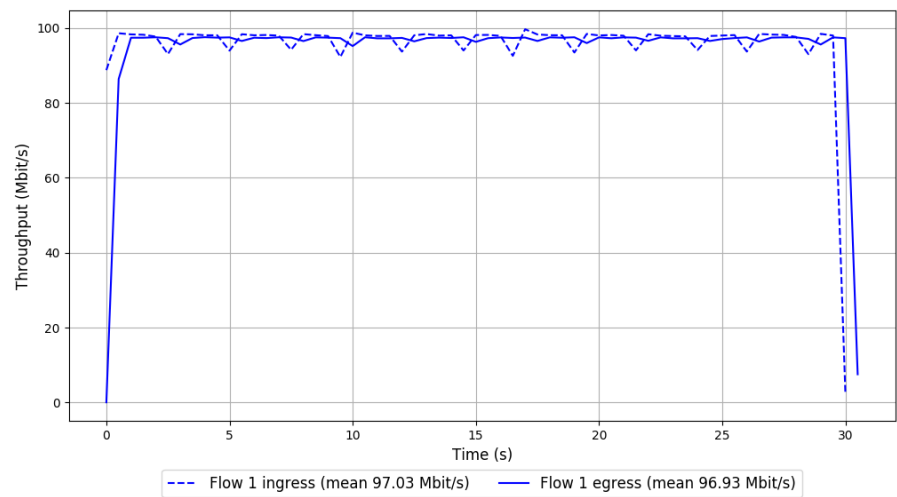


Run 2: Statistics of LEDBAT

Start at: 2018-07-03 10:47:42
End at: 2018-07-03 10:48:12
Local clock offset: 2.608 ms
Remote clock offset: -5.041 ms

Below is generated by plot.py at 2018-07-03 13:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.357 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 31.357 ms
Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link

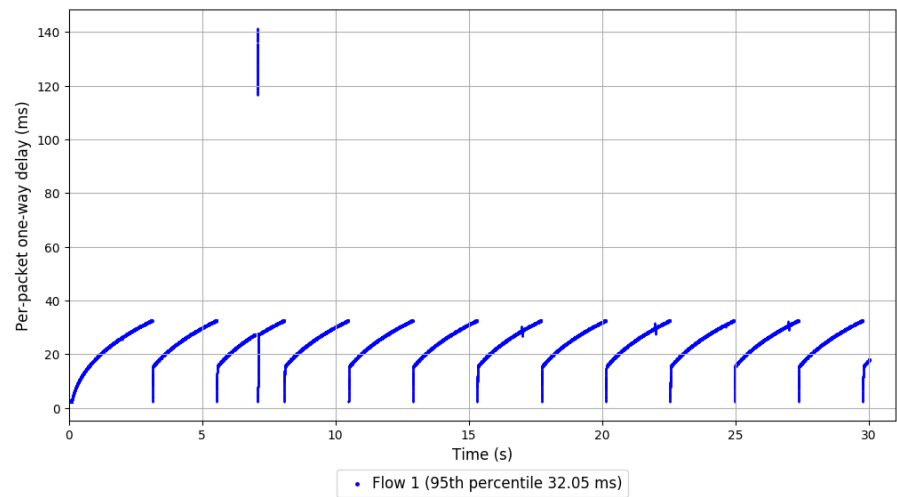
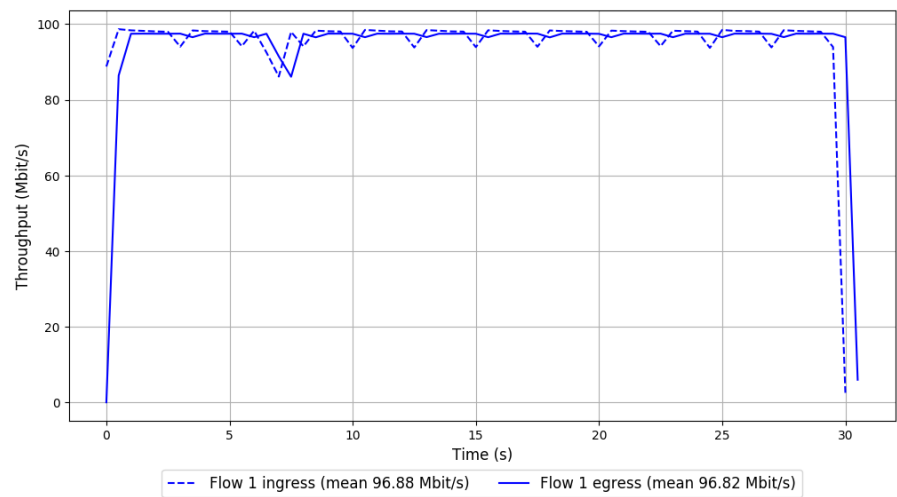


Run 3: Statistics of LEDBAT

Start at: 2018-07-03 11:06:44
End at: 2018-07-03 11:07:14
Local clock offset: 2.167 ms
Remote clock offset: -0.582 ms

Below is generated by plot.py at 2018-07-03 13:47:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 32.055 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 32.055 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

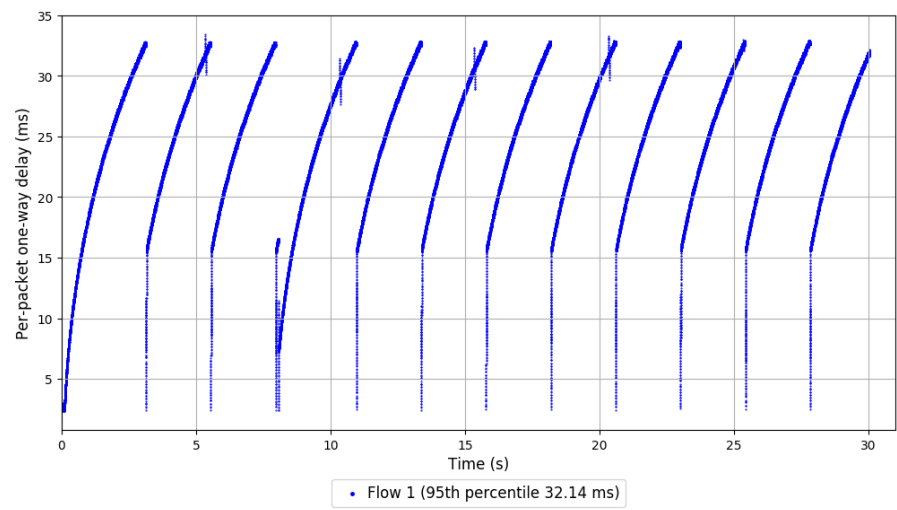
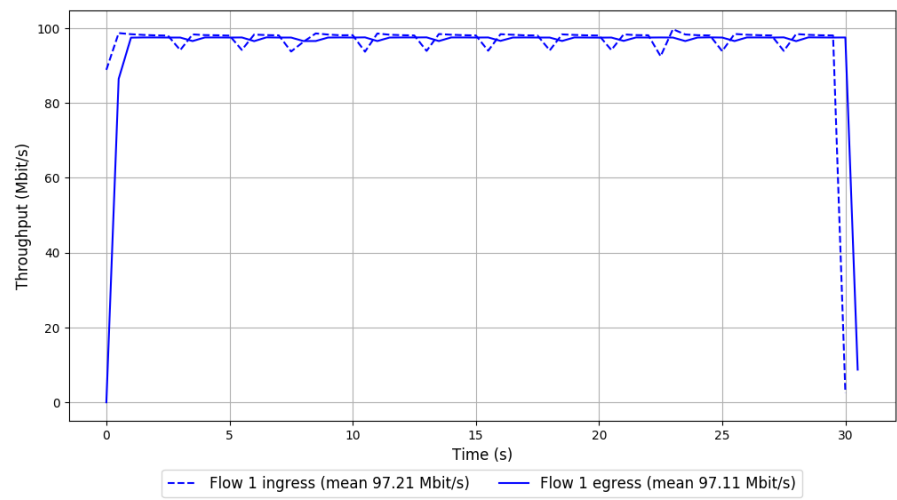


Run 4: Statistics of LEDBAT

Start at: 2018-07-03 11:25:46
End at: 2018-07-03 11:26:16
Local clock offset: -0.147 ms
Remote clock offset: -3.642 ms

Below is generated by plot.py at 2018-07-03 13:47:19
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 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-03 11:44:49

End at: 2018-07-03 11:45:19

Local clock offset: -0.321 ms

Remote clock offset: -5.98 ms

Below is generated by plot.py at 2018-07-03 13:47:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 32.102 ms

Loss rate: 0.01%

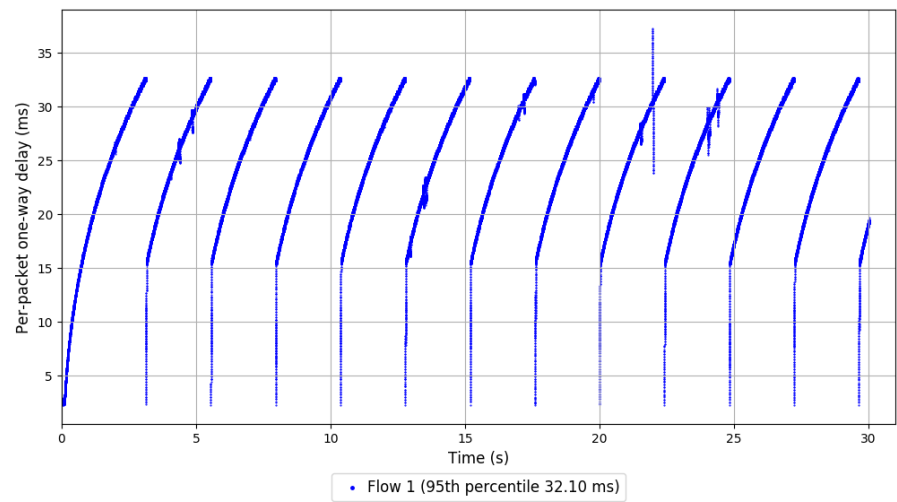
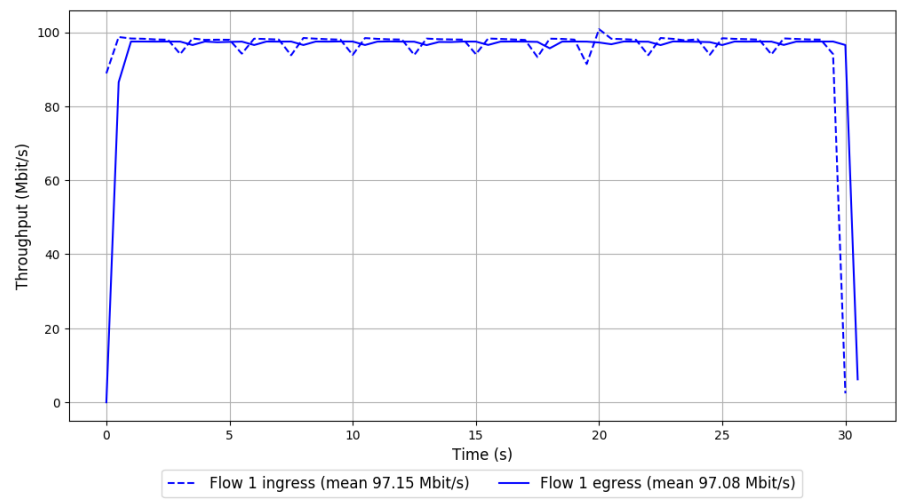
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 32.102 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

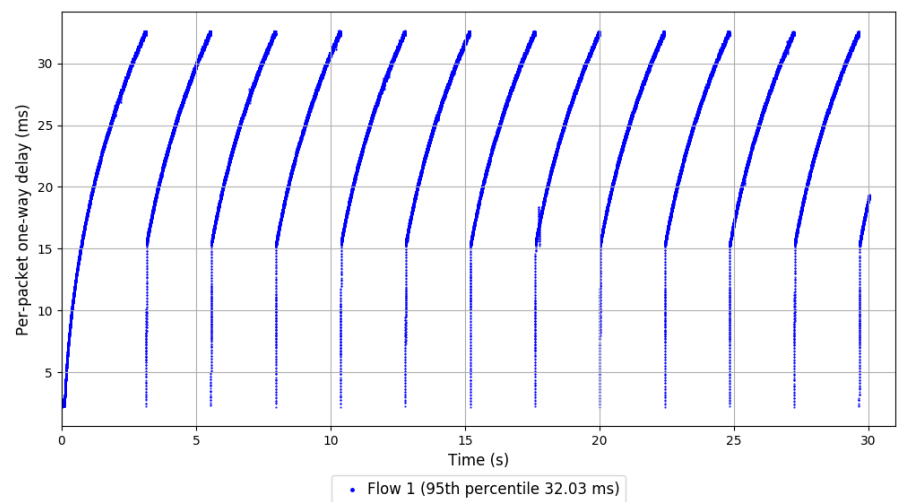
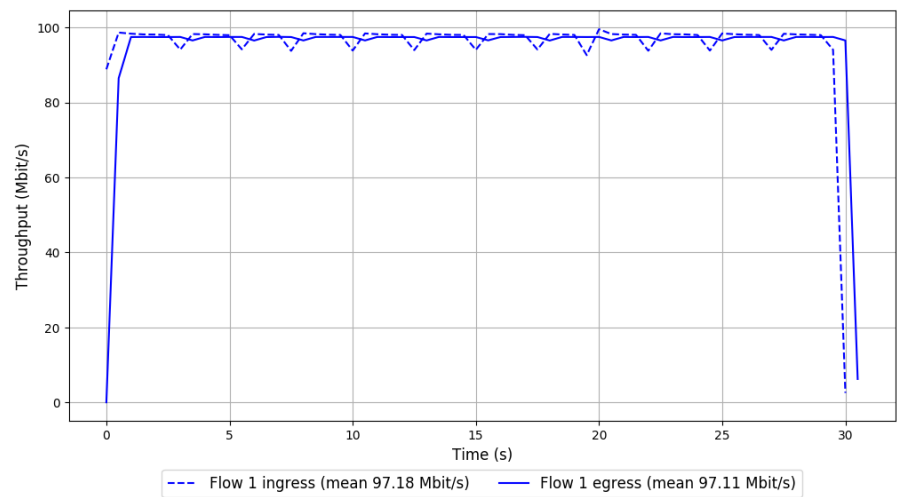


Run 6: Statistics of LEDBAT

Start at: 2018-07-03 12:03:51
End at: 2018-07-03 12:04:21
Local clock offset: -0.82 ms
Remote clock offset: -2.574 ms

Below is generated by plot.py at 2018-07-03 13:47:21
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 6: Report of LEDBAT — Data Link

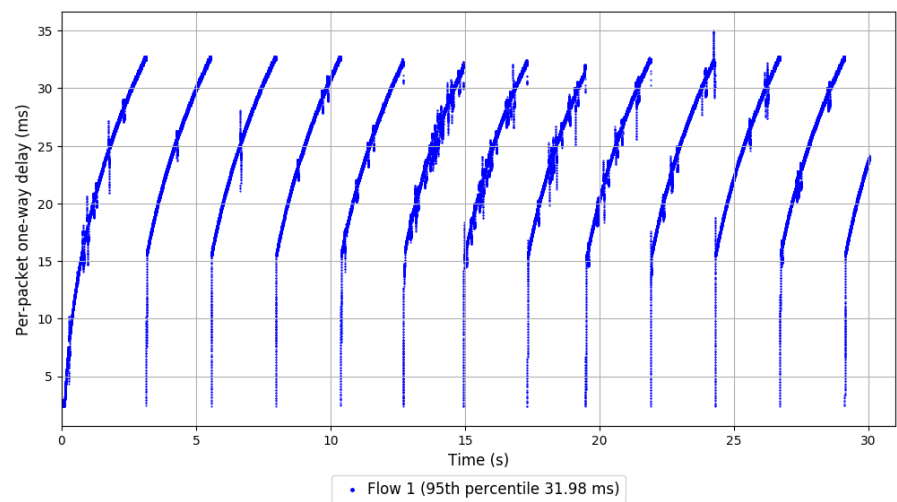
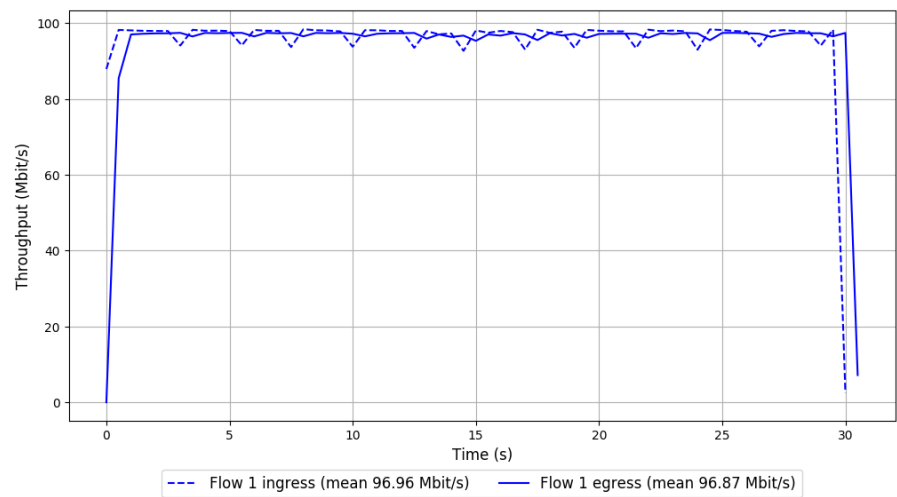


Run 7: Statistics of LEDBAT

Start at: 2018-07-03 12:22:57
End at: 2018-07-03 12:23:27
Local clock offset: -1.406 ms
Remote clock offset: -0.679 ms

Below is generated by plot.py at 2018-07-03 13:47:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 31.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 31.982 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

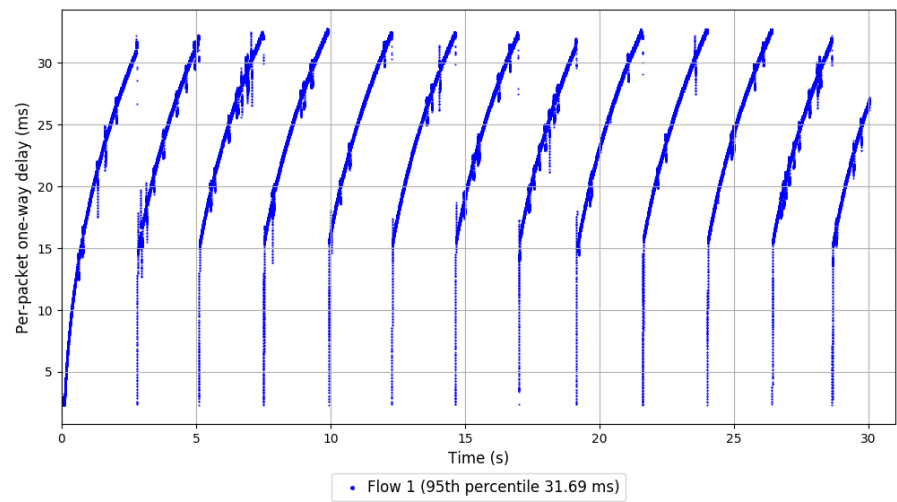
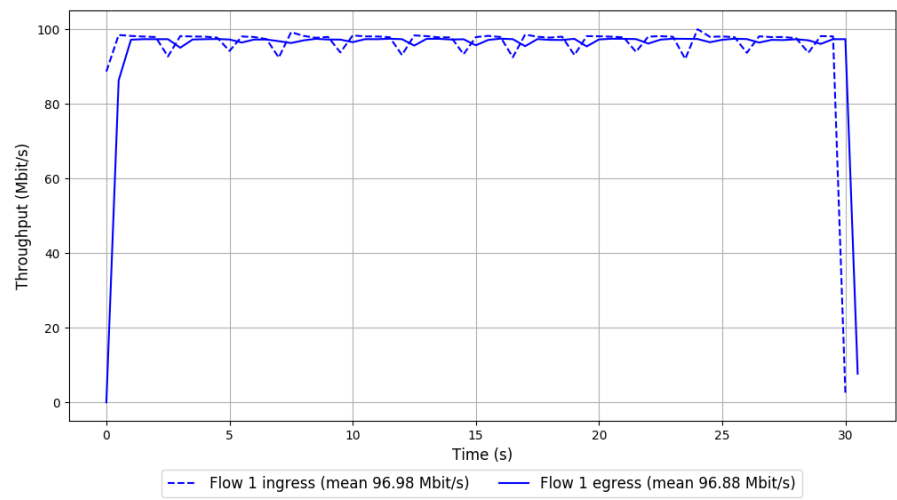


Run 8: Statistics of LEDBAT

Start at: 2018-07-03 12:42:00
End at: 2018-07-03 12:42:30
Local clock offset: -1.225 ms
Remote clock offset: -1.242 ms

Below is generated by plot.py at 2018-07-03 13:47:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.686 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.686 ms
Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link

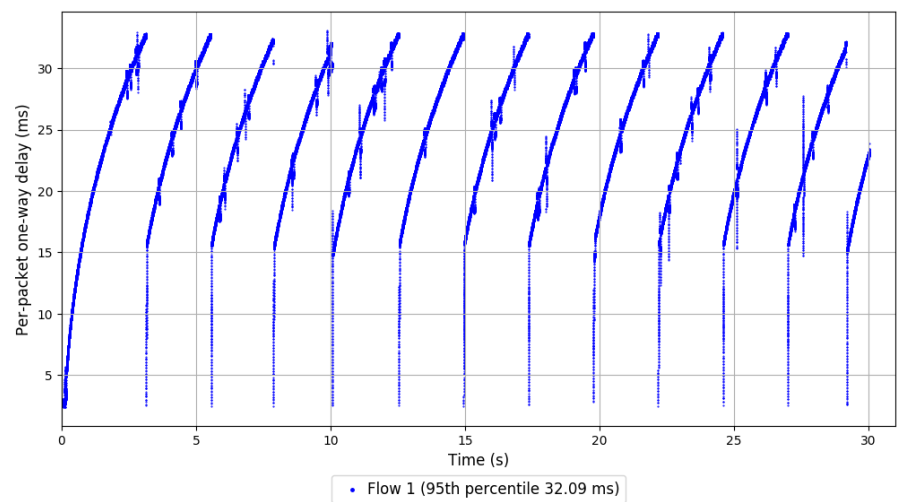
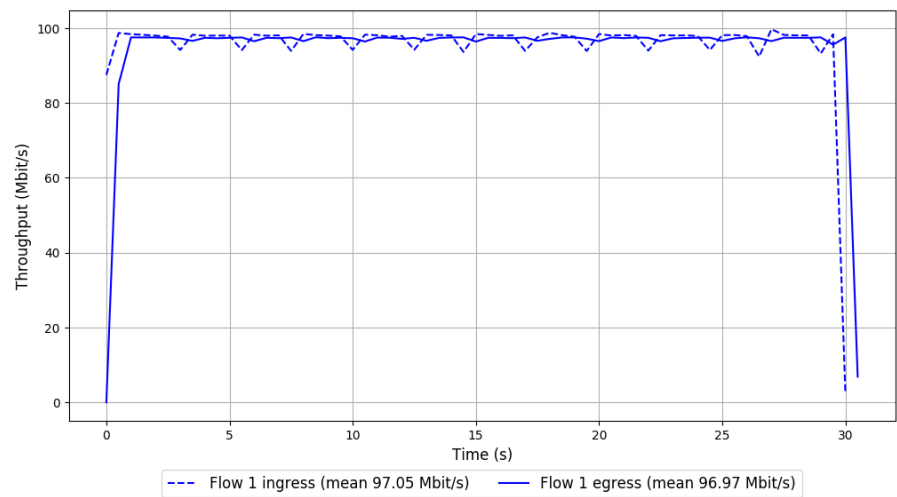


Run 9: Statistics of LEDBAT

Start at: 2018-07-03 13:01:03
End at: 2018-07-03 13:01:33
Local clock offset: -1.213 ms
Remote clock offset: -1.142 ms

Below is generated by plot.py at 2018-07-03 13:47:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 32.092 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 32.092 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

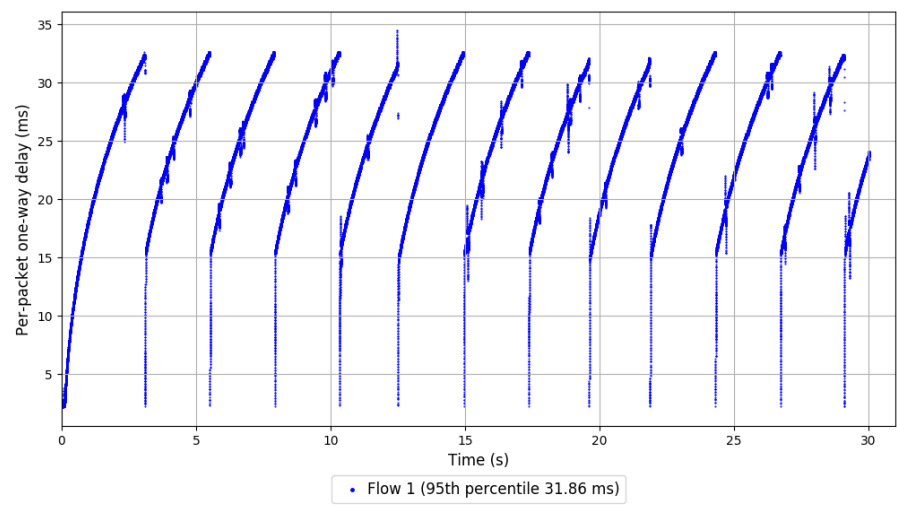
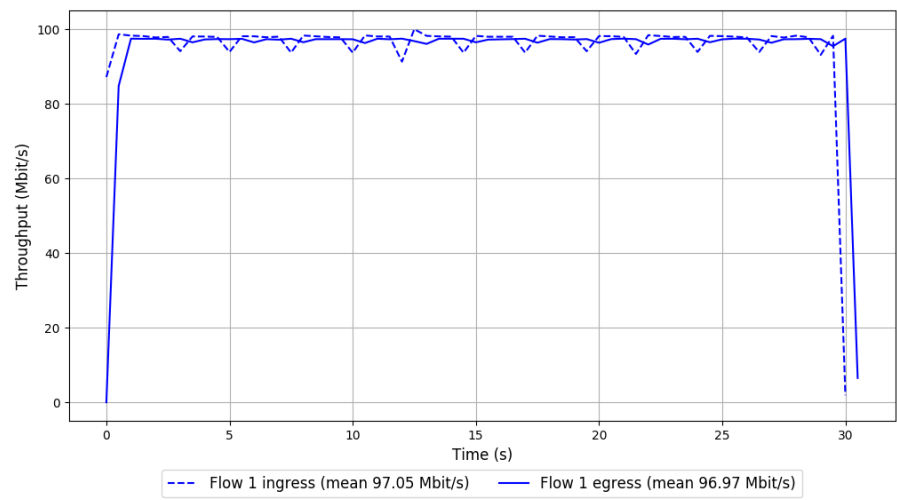


Run 10: Statistics of LEDBAT

Start at: 2018-07-03 13:20:05
End at: 2018-07-03 13:20:35
Local clock offset: -1.505 ms
Remote clock offset: -2.925 ms

Below is generated by plot.py at 2018-07-03 13:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 31.857 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 31.857 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-03 10:30:53

End at: 2018-07-03 10:31:23

Local clock offset: 4.224 ms

Remote clock offset: -7.419 ms

Below is generated by plot.py at 2018-07-03 13:48:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 6.046 ms

Loss rate: 0.00%

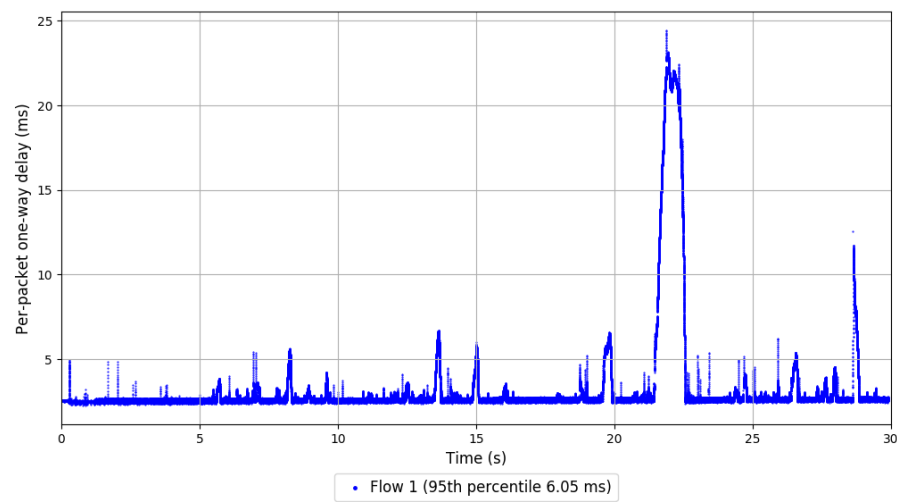
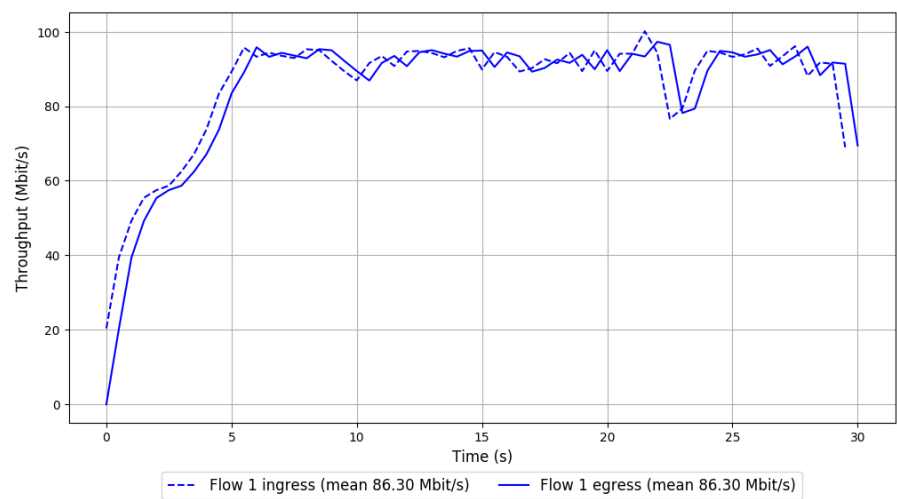
-- Flow 1:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 6.046 ms

Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-03 10:49:56

End at: 2018-07-03 10:50:26

Local clock offset: 2.09 ms

Remote clock offset: -4.116 ms

Below is generated by plot.py at 2018-07-03 13:48:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 3.703 ms

Loss rate: 0.00%

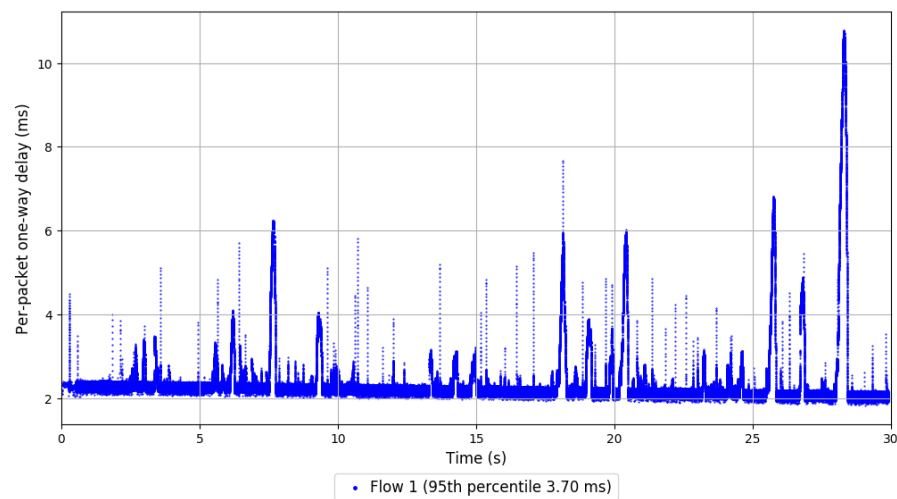
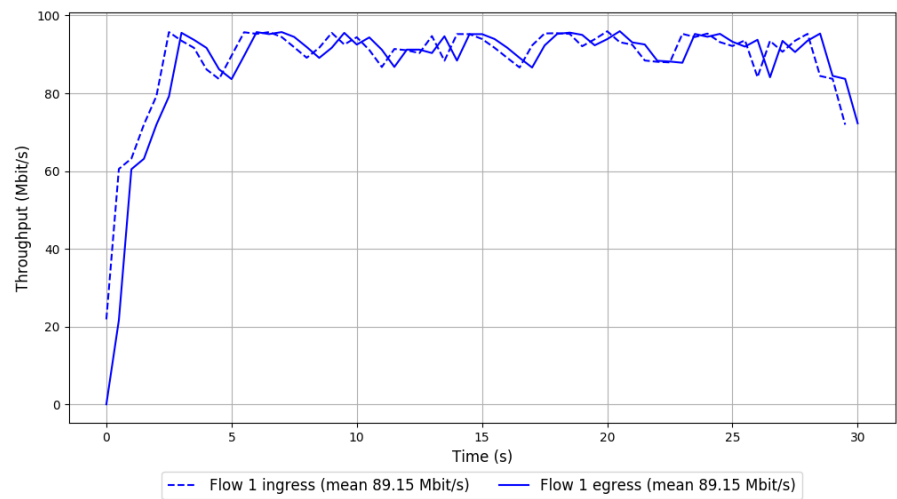
-- Flow 1:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 3.703 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-03 11:08:58

End at: 2018-07-03 11:09:28

Local clock offset: 2.418 ms

Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-03 13:48:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.72 Mbit/s

95th percentile per-packet one-way delay: 3.266 ms

Loss rate: 0.00%

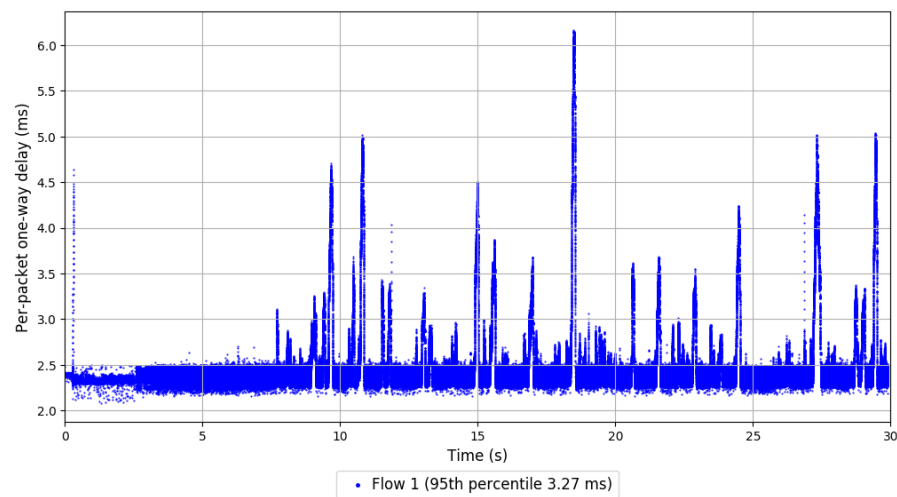
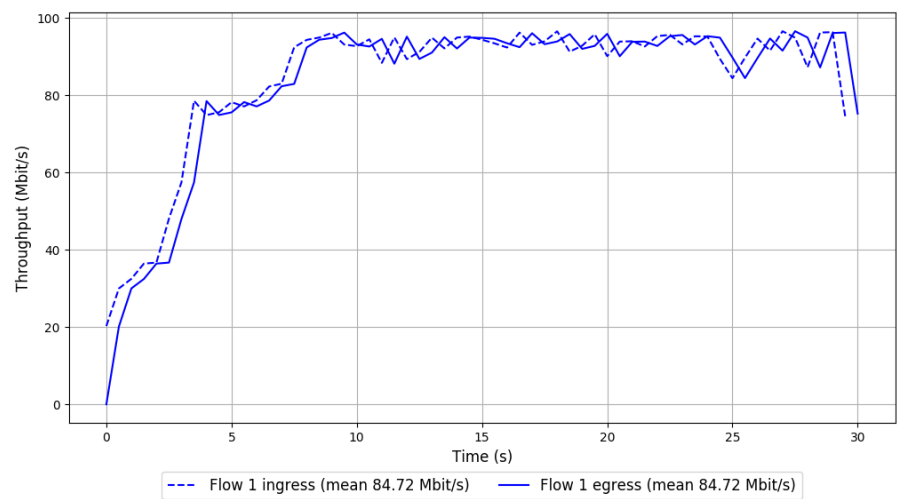
-- Flow 1:

Average throughput: 84.72 Mbit/s

95th percentile per-packet one-way delay: 3.266 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

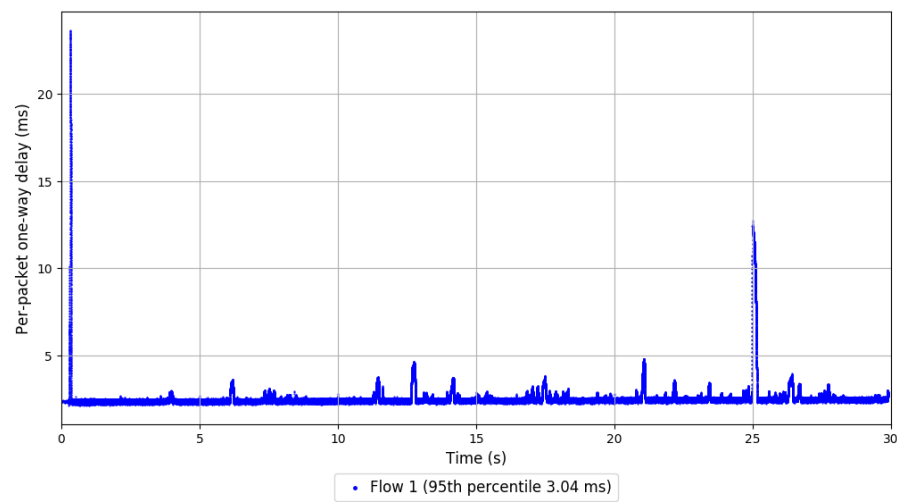
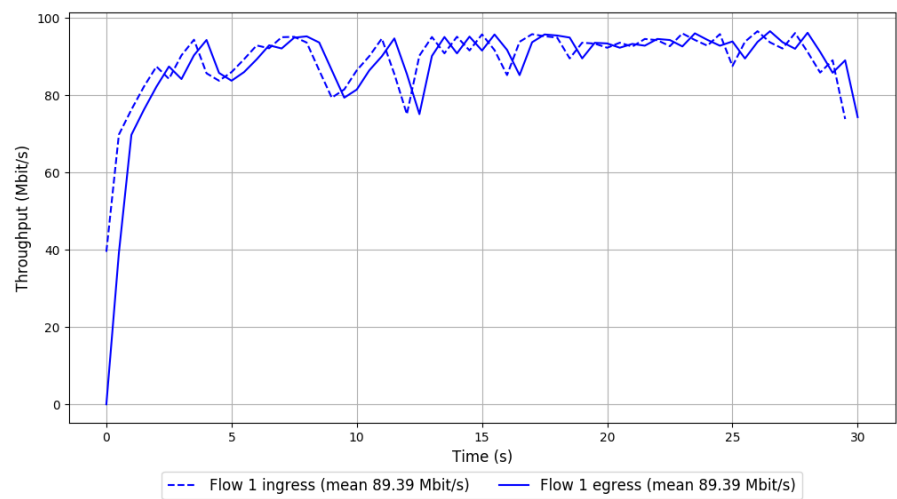


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-03 11:28:00
End at: 2018-07-03 11:28:30
Local clock offset: -0.081 ms
Remote clock offset: -4.296 ms

Below is generated by plot.py at 2018-07-03 13:48:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 3.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 3.035 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-03 11:47:03

End at: 2018-07-03 11:47:33

Local clock offset: -0.571 ms

Remote clock offset: -6.159 ms

Below is generated by plot.py at 2018-07-03 13:48:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.13 Mbit/s

95th percentile per-packet one-way delay: 3.119 ms

Loss rate: 0.00%

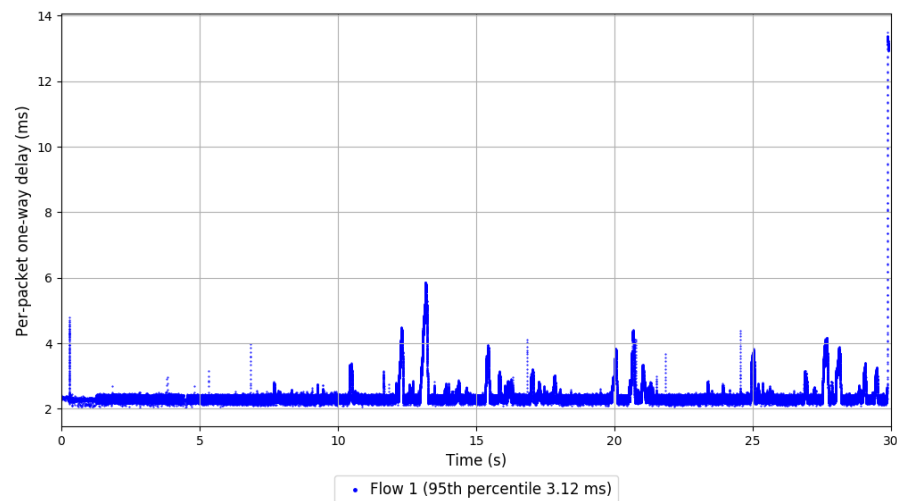
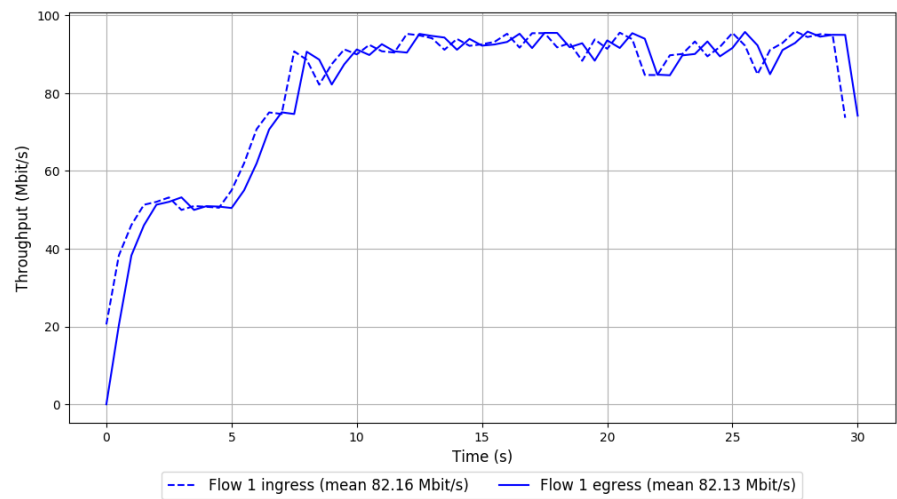
-- Flow 1:

Average throughput: 82.13 Mbit/s

95th percentile per-packet one-way delay: 3.119 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-03 12:06:05

End at: 2018-07-03 12:06:35

Local clock offset: -0.774 ms

Remote clock offset: -2.305 ms

Below is generated by plot.py at 2018-07-03 13:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 3.229 ms

Loss rate: 0.00%

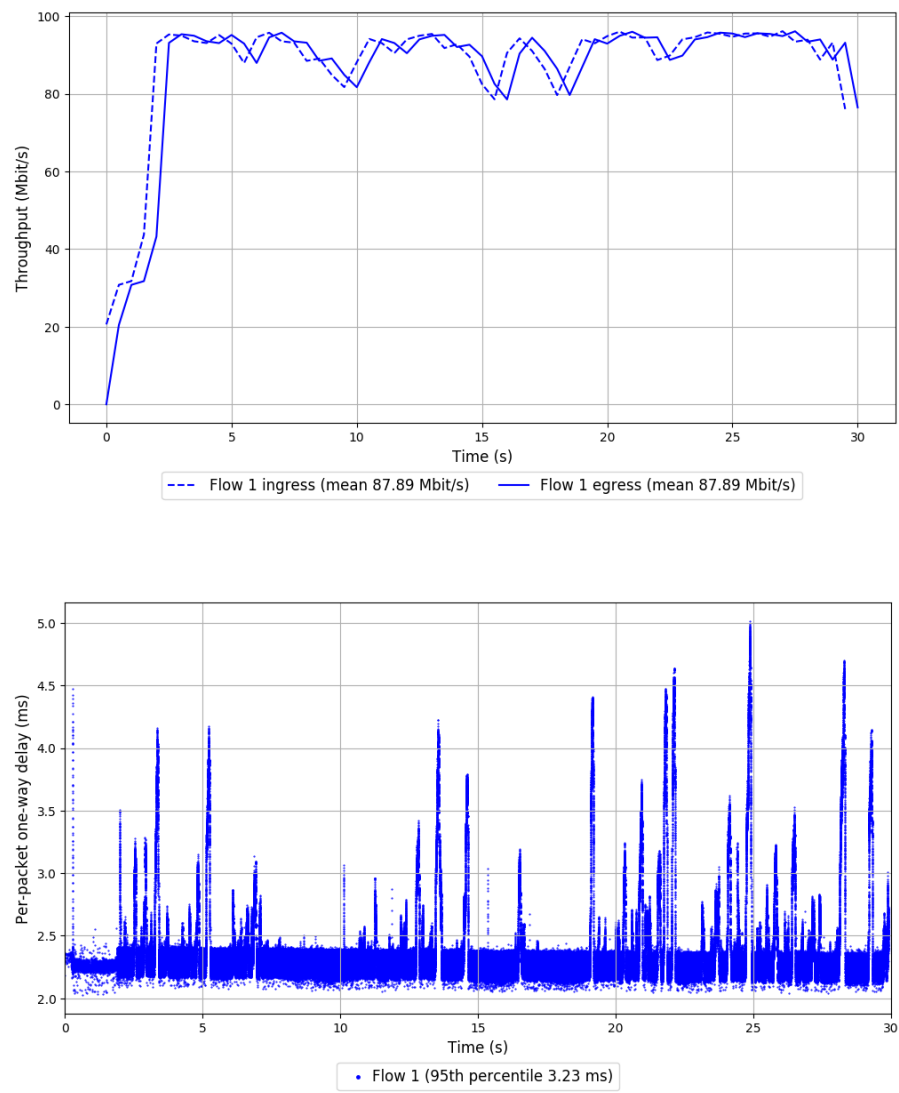
-- Flow 1:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 3.229 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-03 12:25:11

End at: 2018-07-03 12:25:41

Local clock offset: -1.348 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-07-03 13:48:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.95 Mbit/s

95th percentile per-packet one-way delay: 4.895 ms

Loss rate: 0.00%

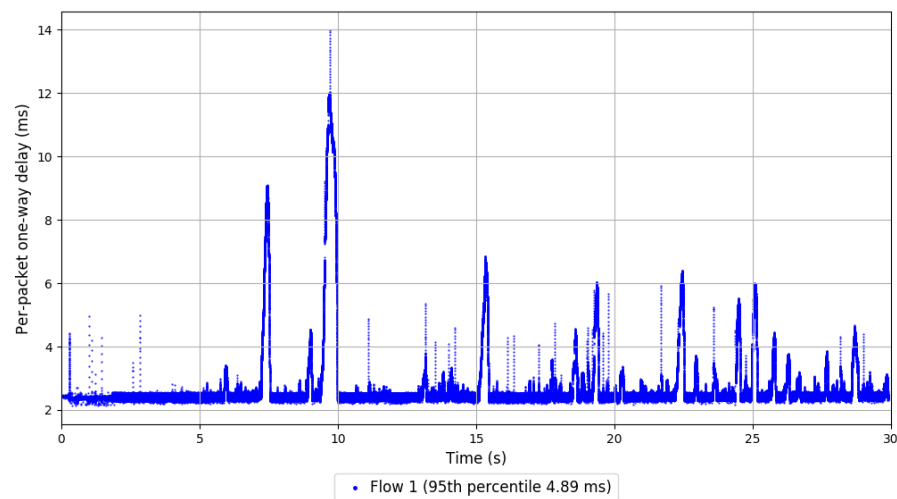
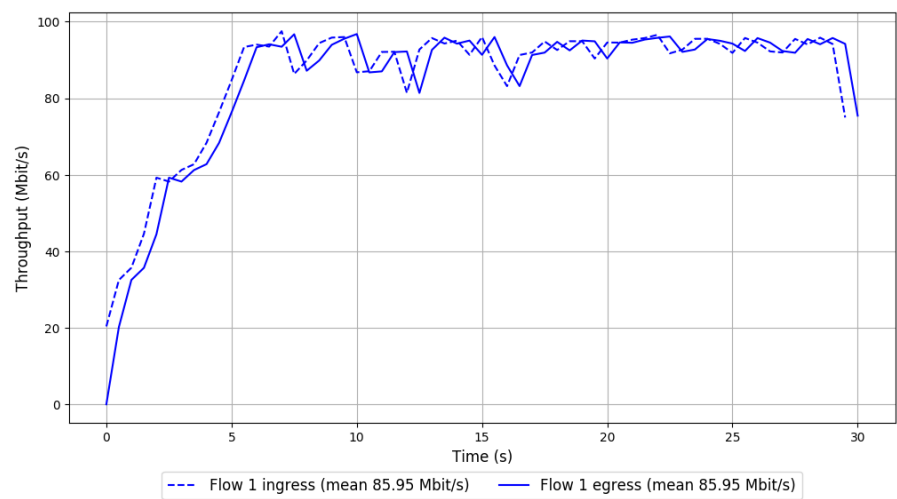
-- Flow 1:

Average throughput: 85.95 Mbit/s

95th percentile per-packet one-way delay: 4.895 ms

Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-03 12:44:14

End at: 2018-07-03 12:44:45

Local clock offset: -1.233 ms

Remote clock offset: -1.205 ms

Below is generated by plot.py at 2018-07-03 13:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.22 Mbit/s

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

Loss rate: 0.00%

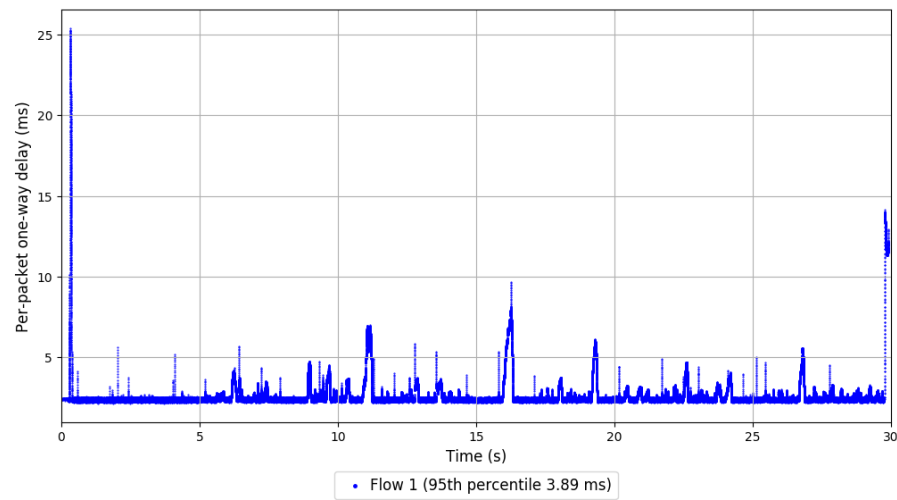
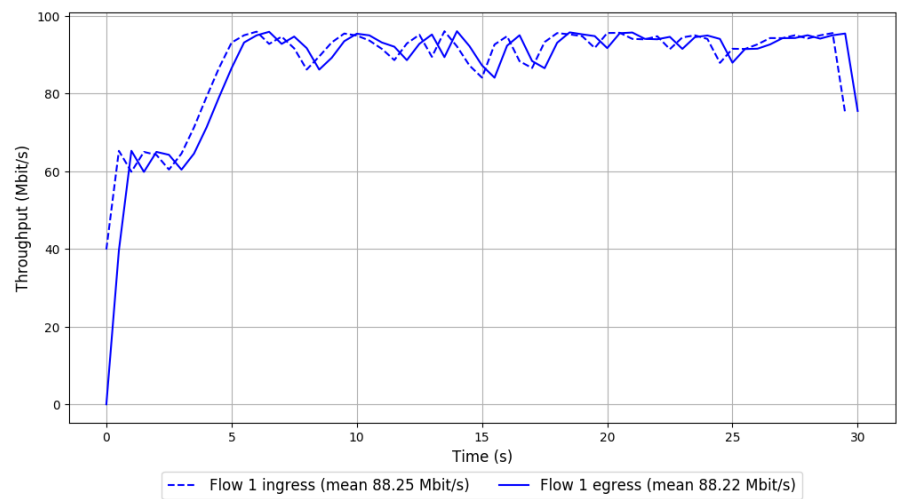
-- Flow 1:

Average throughput: 88.22 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-03 13:03:17

End at: 2018-07-03 13:03:47

Local clock offset: -1.116 ms

Remote clock offset: -1.549 ms

Below is generated by plot.py at 2018-07-03 13:49:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 3.321 ms

Loss rate: 0.00%

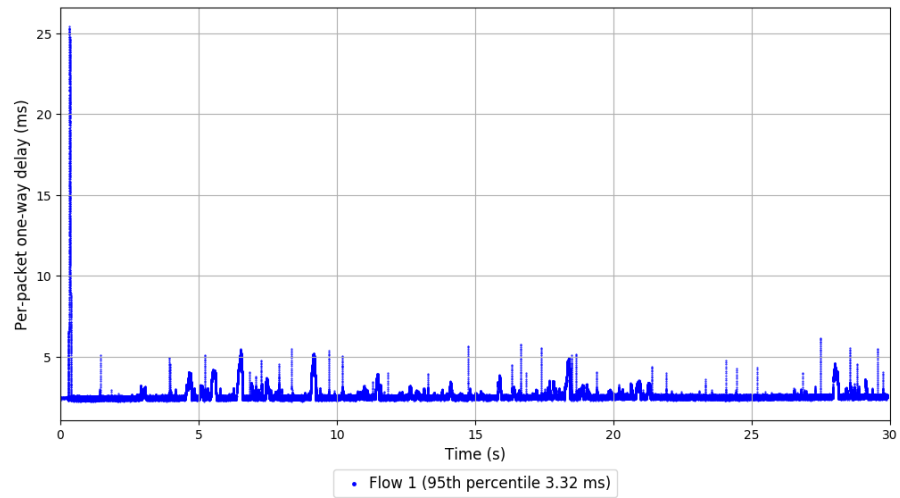
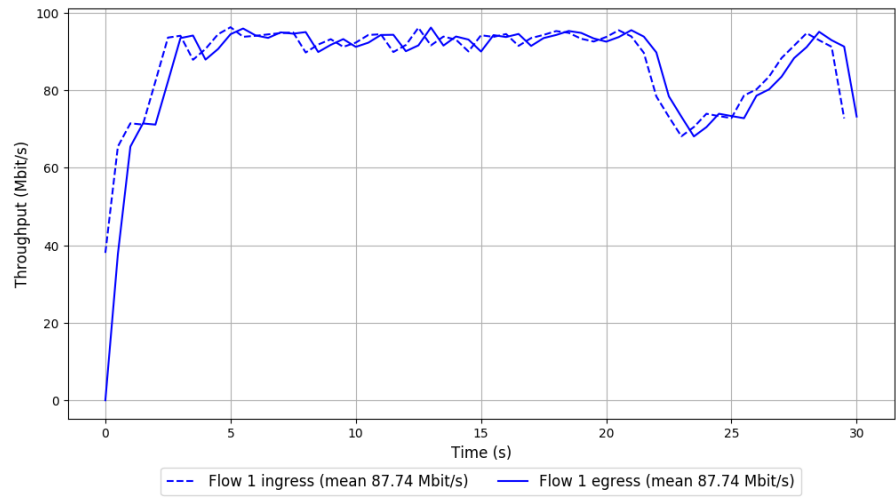
-- Flow 1:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 3.321 ms

Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-03 13:22:19

End at: 2018-07-03 13:22:49

Local clock offset: -1.518 ms

Remote clock offset: -2.906 ms

Below is generated by plot.py at 2018-07-03 13:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 3.782 ms

Loss rate: 0.00%

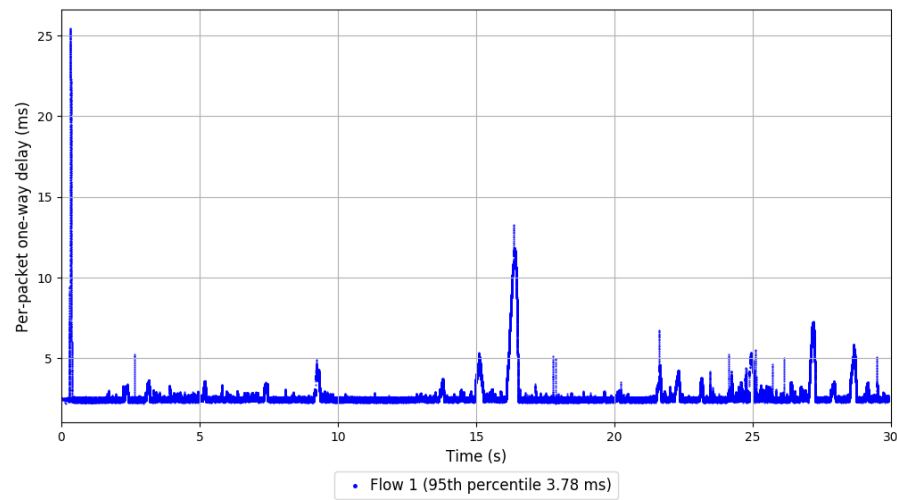
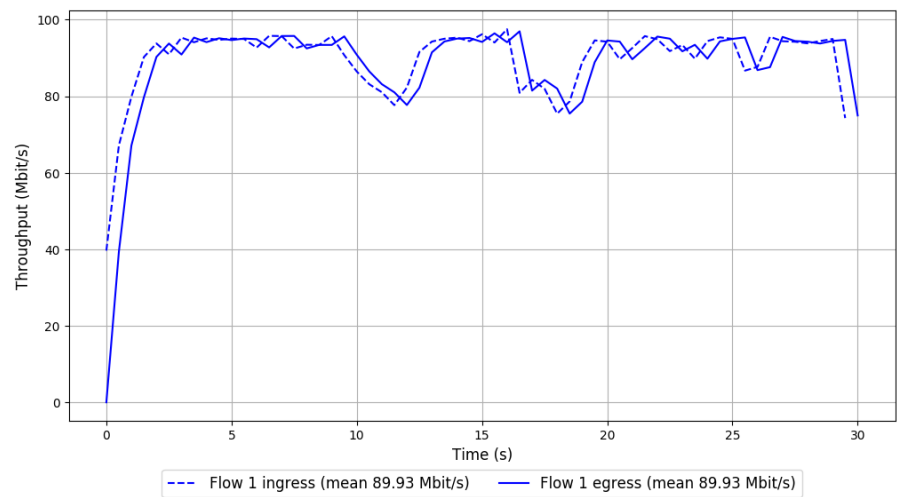
-- Flow 1:

Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 3.782 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-03 10:23:03
End at: 2018-07-03 10:23:33
Local clock offset: 2.935 ms
Remote clock offset: -7.472 ms

Below is generated by plot.py at 2018-07-03 13:50:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.06 Mbit/s

95th percentile per-packet one-way delay: 7.282 ms

Loss rate: 0.00%

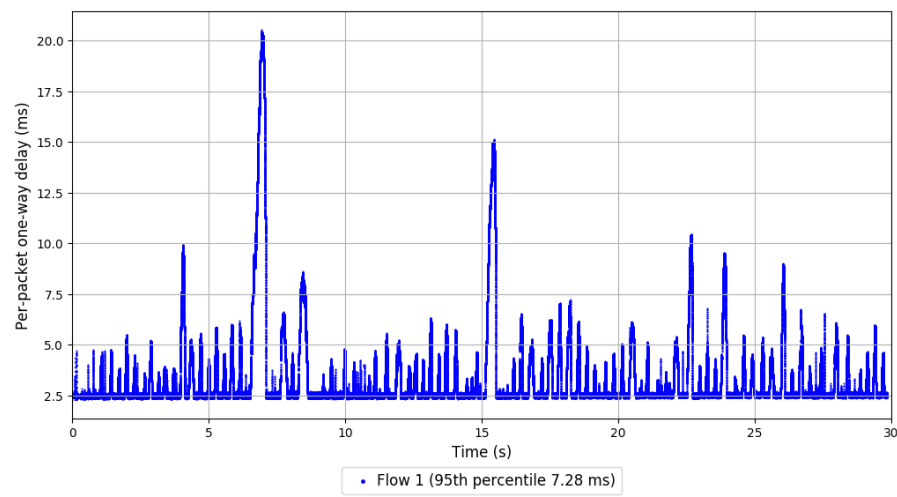
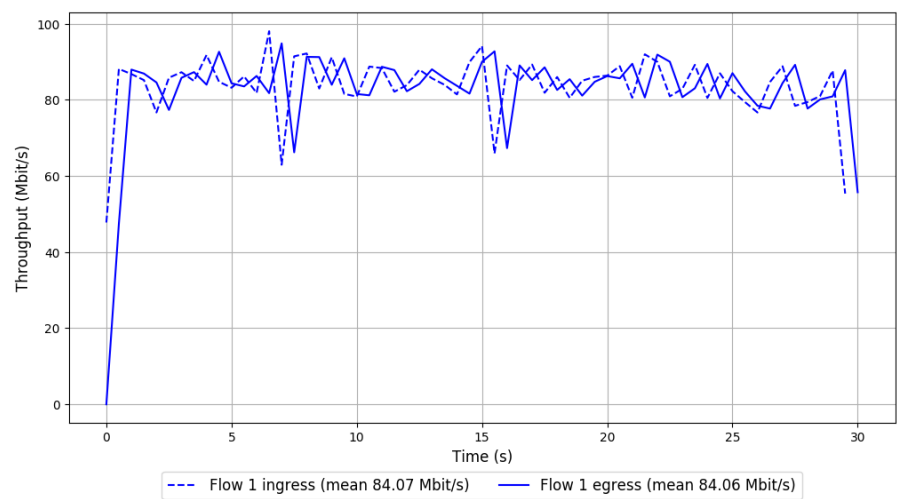
-- Flow 1:

Average throughput: 84.06 Mbit/s

95th percentile per-packet one-way delay: 7.282 ms

Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-03 10:42:02

End at: 2018-07-03 10:42:32

Local clock offset: 5.284 ms

Remote clock offset: -7.542 ms

Below is generated by plot.py at 2018-07-03 13:50:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.12 Mbit/s

95th percentile per-packet one-way delay: 31.024 ms

Loss rate: 1.08%

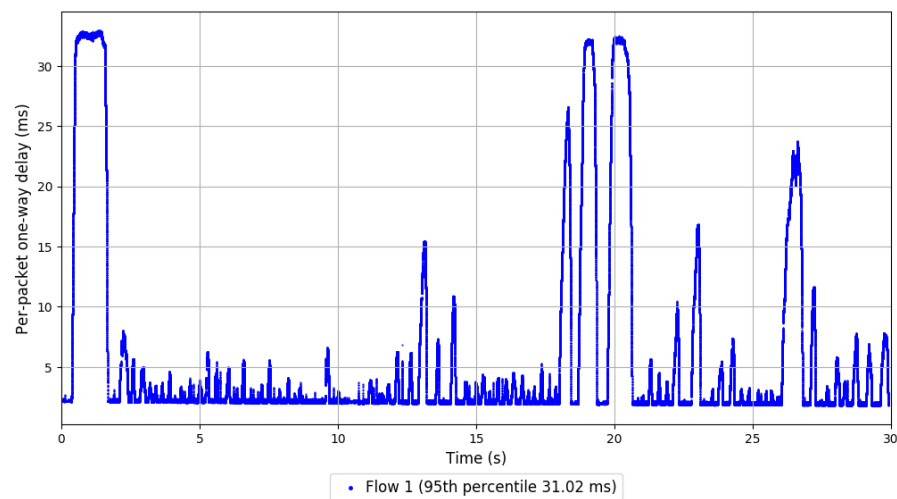
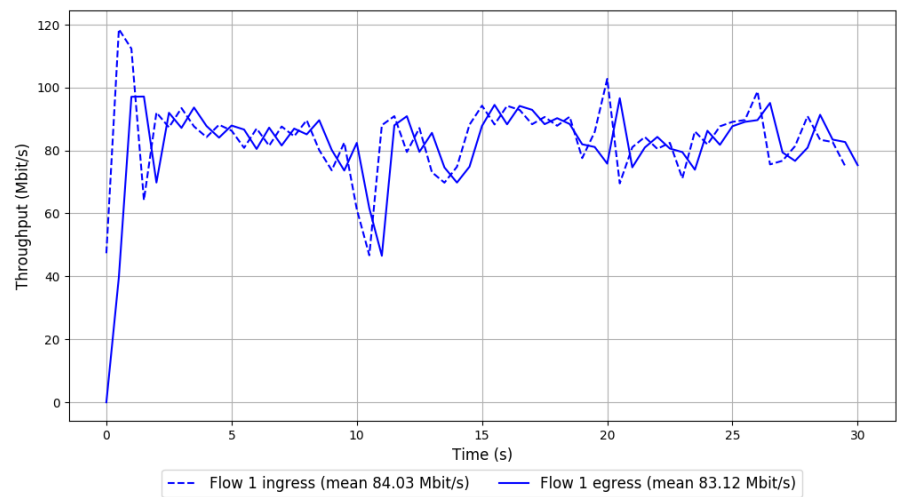
-- Flow 1:

Average throughput: 83.12 Mbit/s

95th percentile per-packet one-way delay: 31.024 ms

Loss rate: 1.08%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-03 11:01:04

End at: 2018-07-03 11:01:34

Local clock offset: 1.697 ms

Remote clock offset: -1.313 ms

Below is generated by plot.py at 2018-07-03 13:50:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 31.136 ms

Loss rate: 0.35%

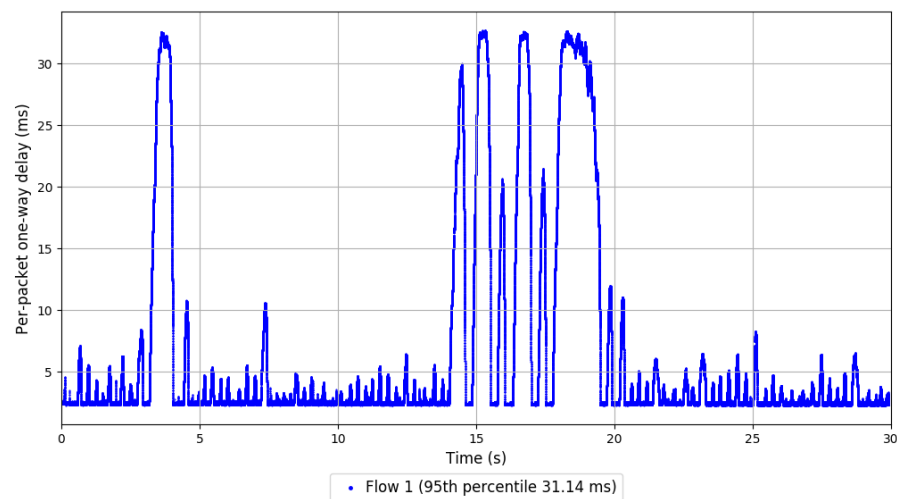
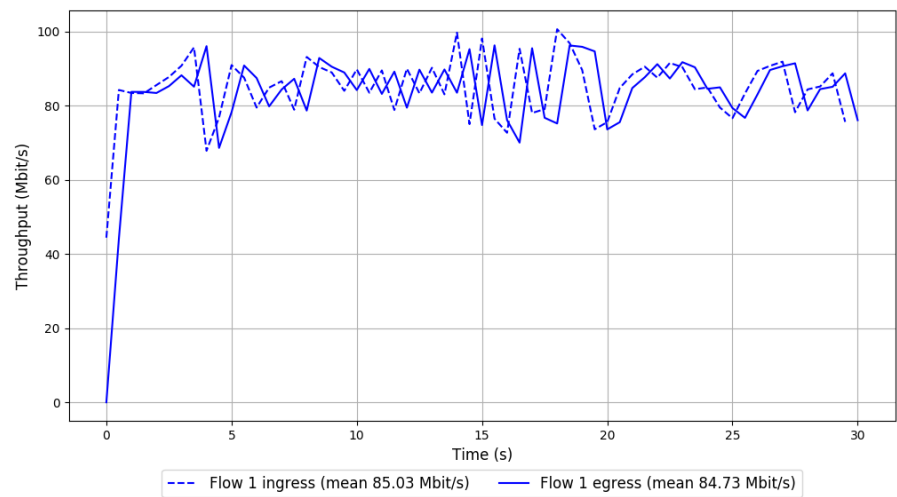
-- Flow 1:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 31.136 ms

Loss rate: 0.35%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-03 11:20:06

End at: 2018-07-03 11:20:36

Local clock offset: 0.13 ms

Remote clock offset: -1.151 ms

Below is generated by plot.py at 2018-07-03 13:50:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 6.314 ms

Loss rate: 0.52%

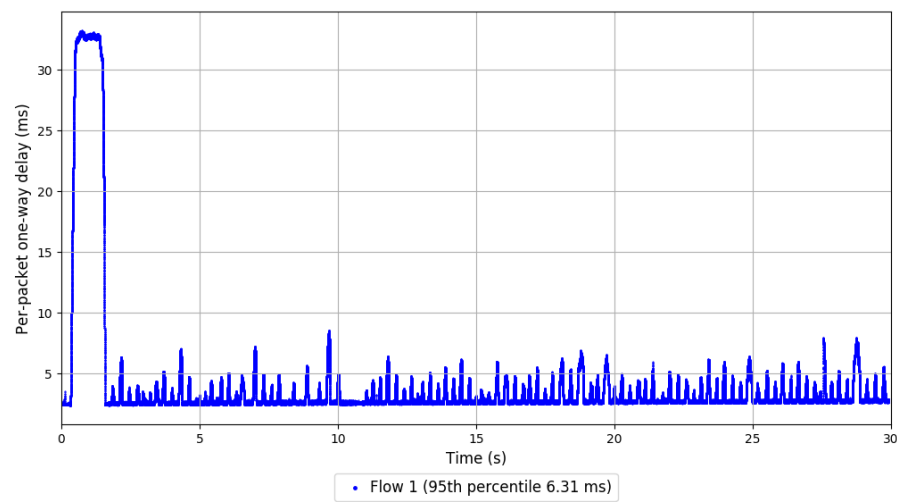
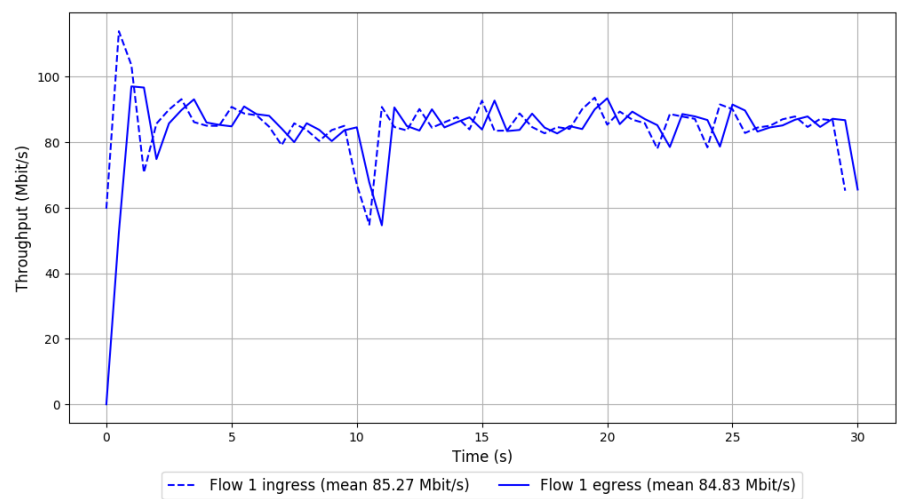
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 6.314 ms

Loss rate: 0.52%

Run 4: Report of PCC-Expr — Data Link

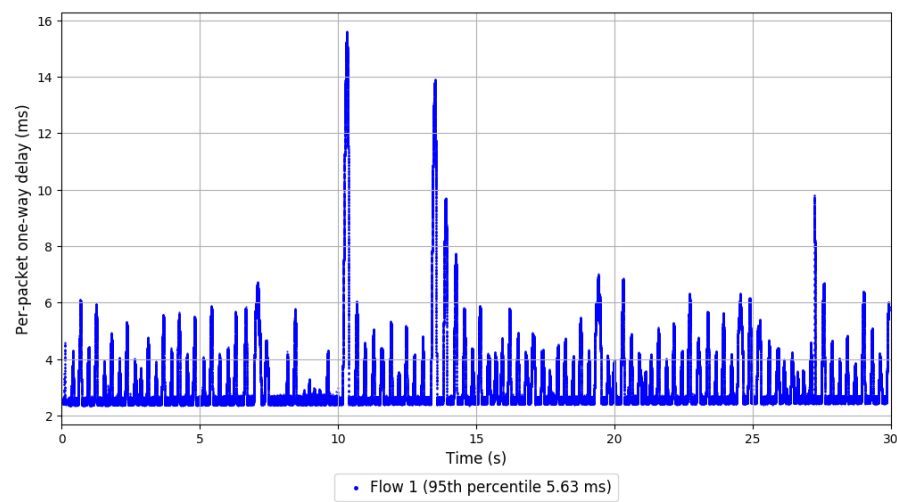
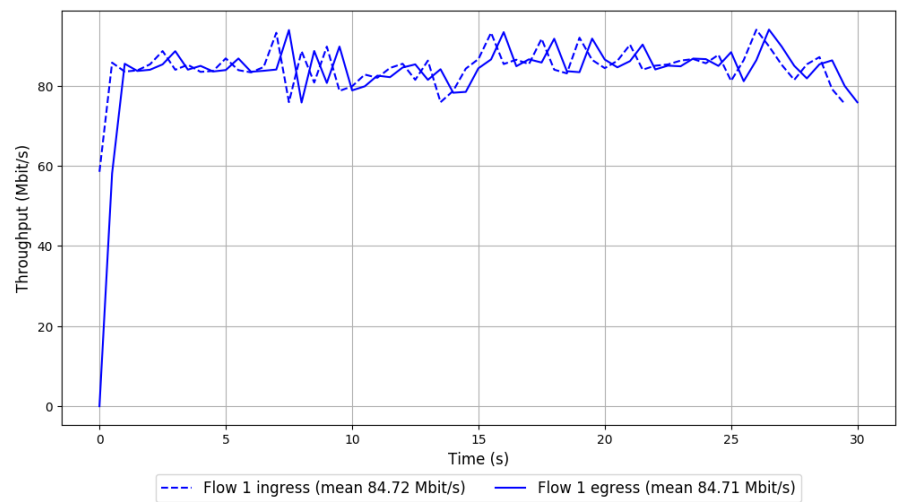


Run 5: Statistics of PCC-Expr

Start at: 2018-07-03 11:39:09
End at: 2018-07-03 11:39:39
Local clock offset: 0.387 ms
Remote clock offset: -5.694 ms

Below is generated by plot.py at 2018-07-03 13:50:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 5.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 5.629 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

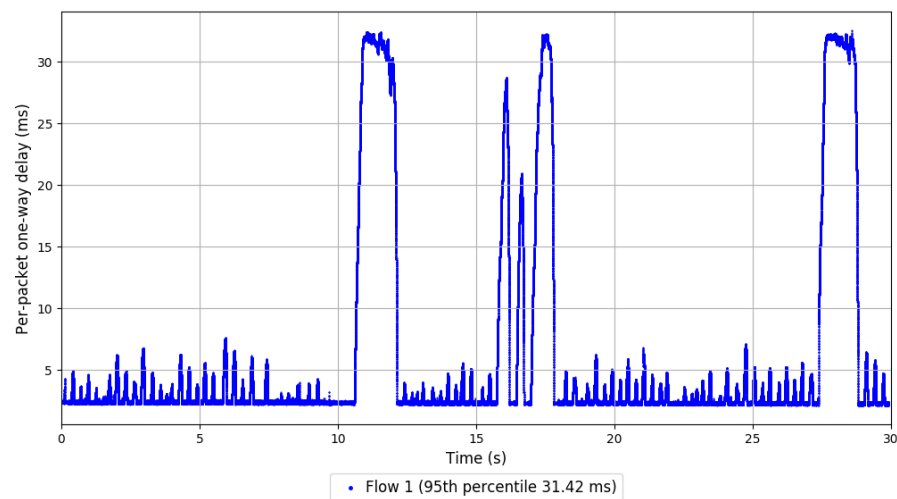
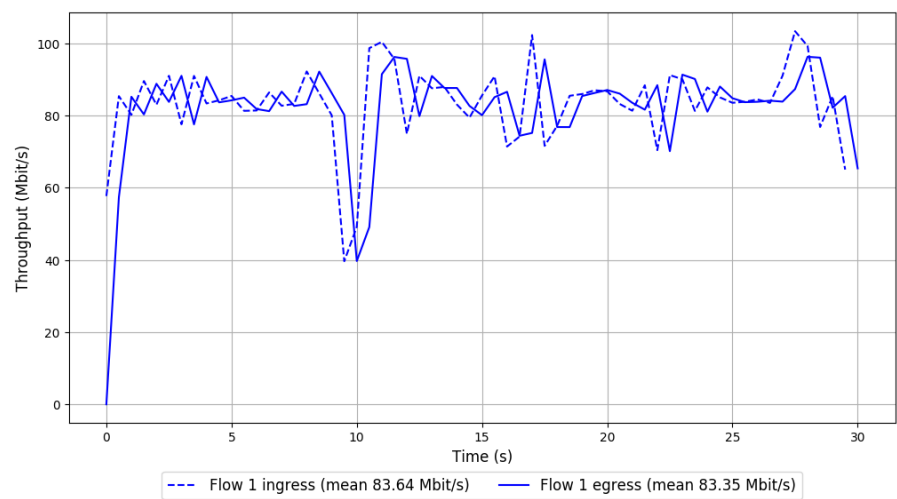


Run 6: Statistics of PCC-Expr

Start at: 2018-07-03 11:58:11
End at: 2018-07-03 11:58:41
Local clock offset: -0.937 ms
Remote clock offset: -3.688 ms

Below is generated by plot.py at 2018-07-03 13:50:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 31.421 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 31.421 ms
Loss rate: 0.35%

Run 6: Report of PCC-Expr — Data Link

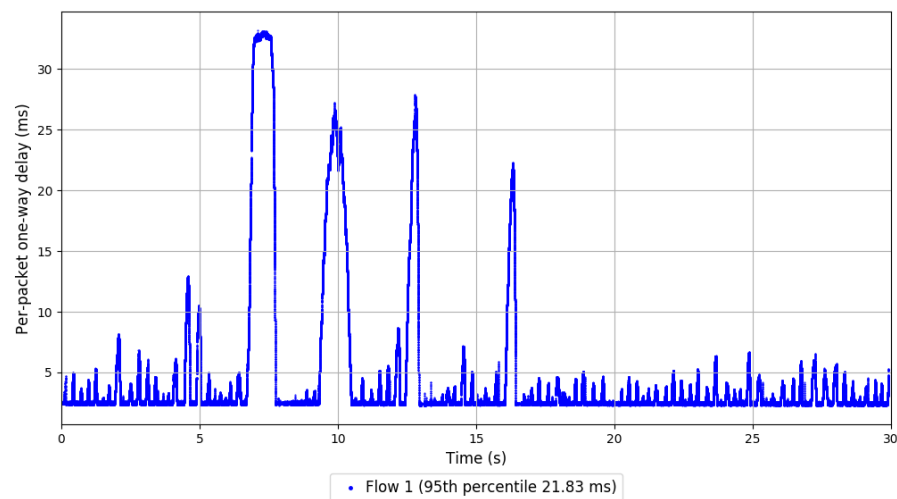
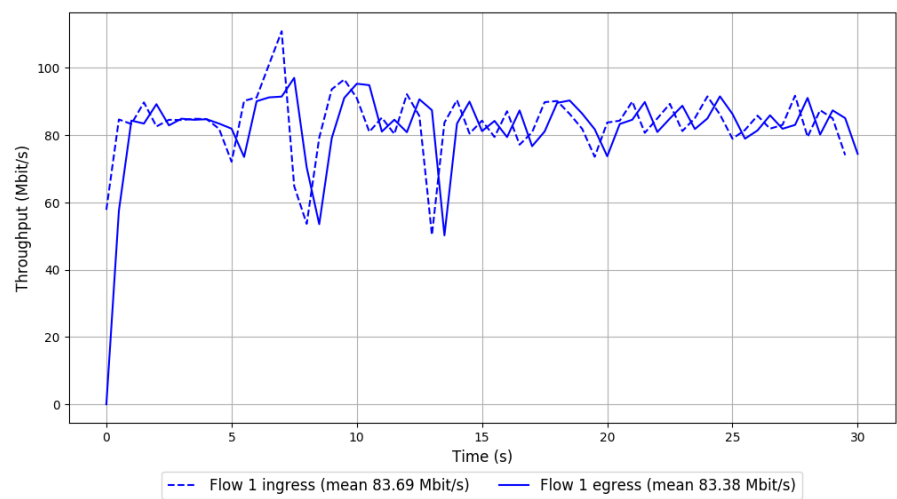


Run 7: Statistics of PCC-Expr

Start at: 2018-07-03 12:17:13
End at: 2018-07-03 12:17:43
Local clock offset: -1.185 ms
Remote clock offset: -1.058 ms

Below is generated by plot.py at 2018-07-03 13:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 21.831 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 21.831 ms
Loss rate: 0.36%

Run 7: Report of PCC-Expr — Data Link

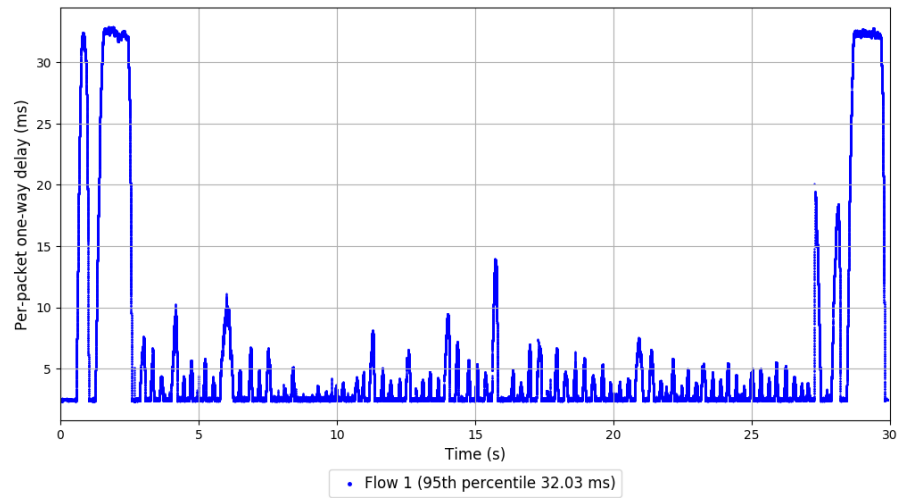
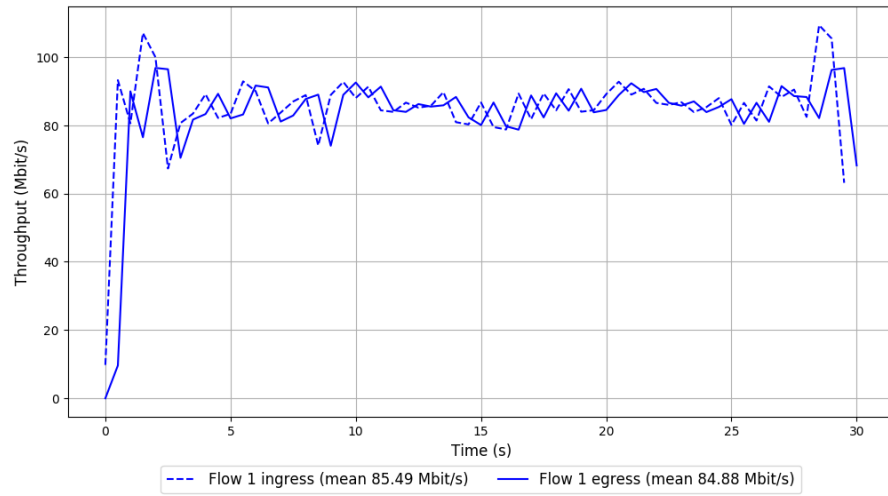


Run 8: Statistics of PCC-Expr

Start at: 2018-07-03 12:36:21
End at: 2018-07-03 12:36:51
Local clock offset: -1.322 ms
Remote clock offset: -1.256 ms

Below is generated by plot.py at 2018-07-03 13:51:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 32.034 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 32.034 ms
Loss rate: 0.71%

Run 8: Report of PCC-Expr — Data Link

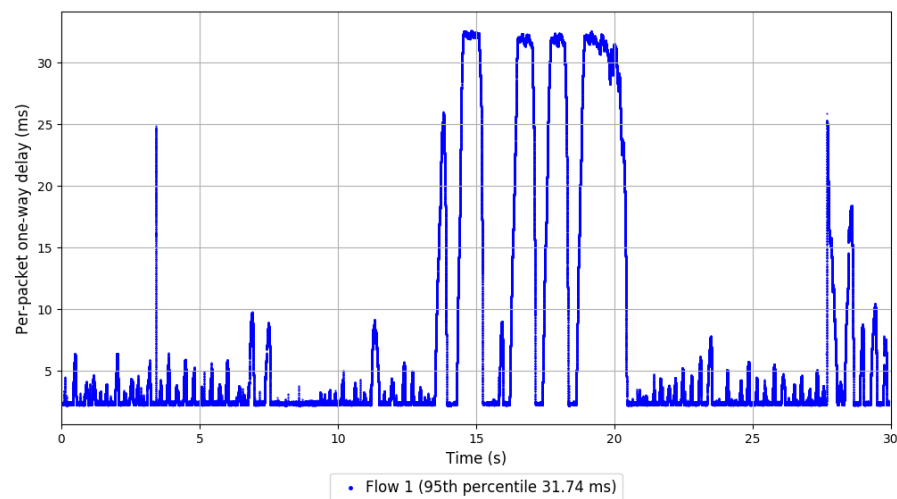
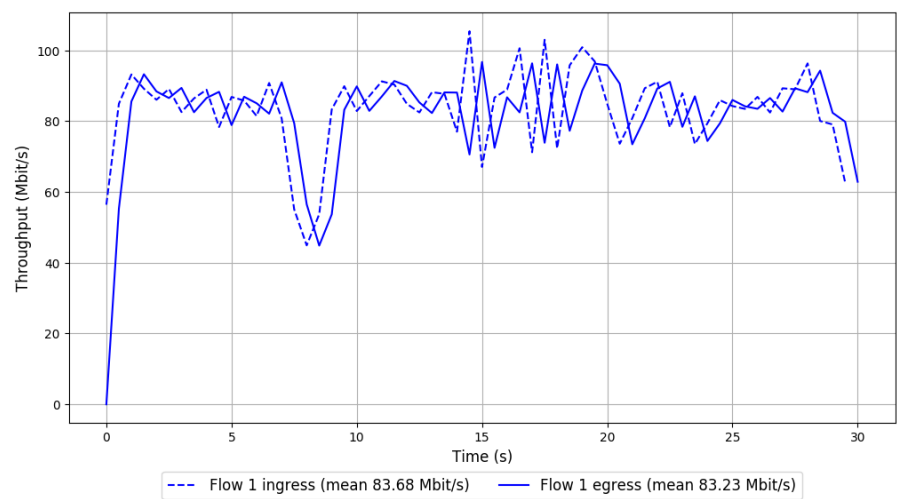


Run 9: Statistics of PCC-Expr

Start at: 2018-07-03 12:55:23
End at: 2018-07-03 12:55:53
Local clock offset: -1.245 ms
Remote clock offset: -1.066 ms

Below is generated by plot.py at 2018-07-03 13:52:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 31.743 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 31.743 ms
Loss rate: 0.54%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-03 13:14:26

End at: 2018-07-03 13:14:56

Local clock offset: -1.35 ms

Remote clock offset: -2.657 ms

Below is generated by plot.py at 2018-07-03 13:52:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.59 Mbit/s

95th percentile per-packet one-way delay: 29.949 ms

Loss rate: 0.49%

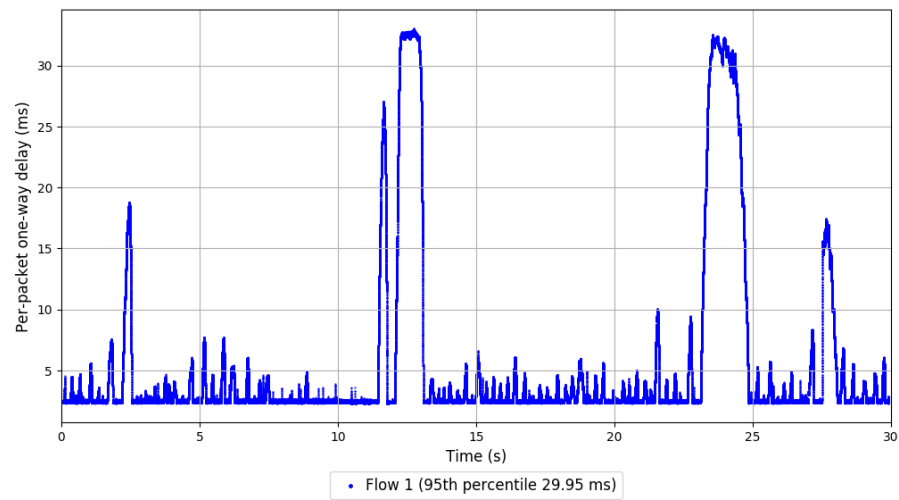
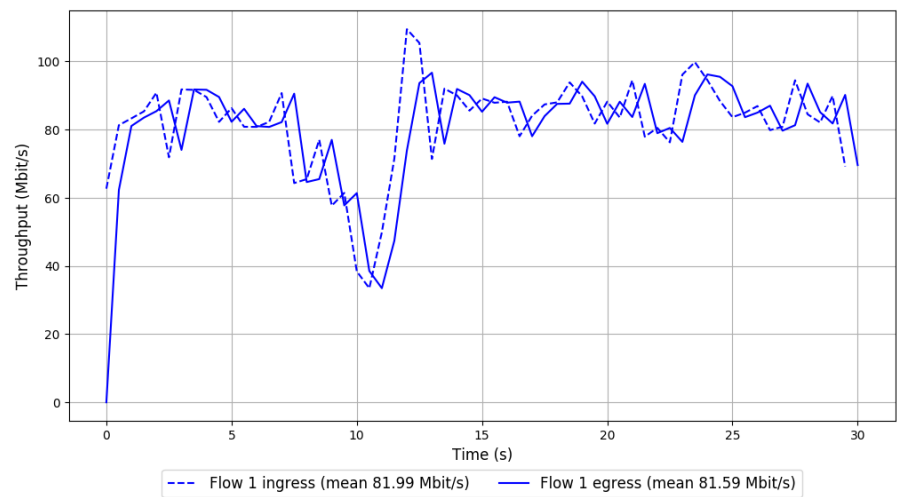
-- Flow 1:

Average throughput: 81.59 Mbit/s

95th percentile per-packet one-way delay: 29.949 ms

Loss rate: 0.49%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

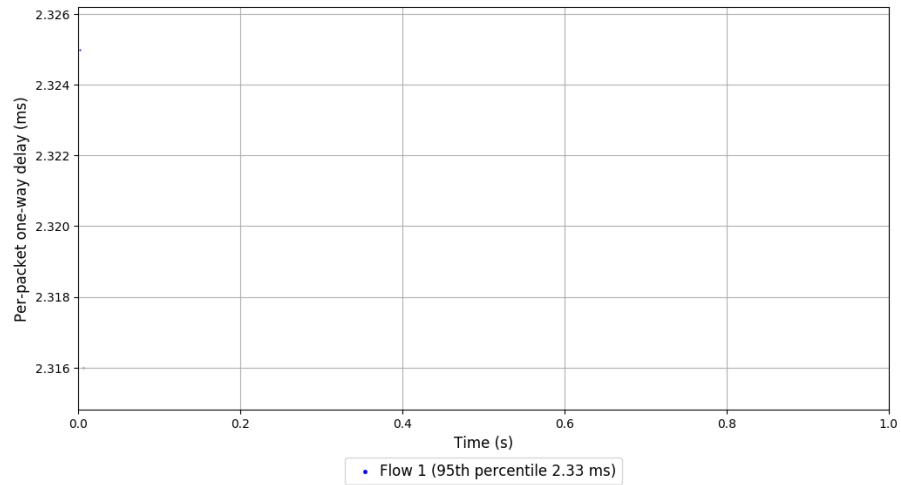
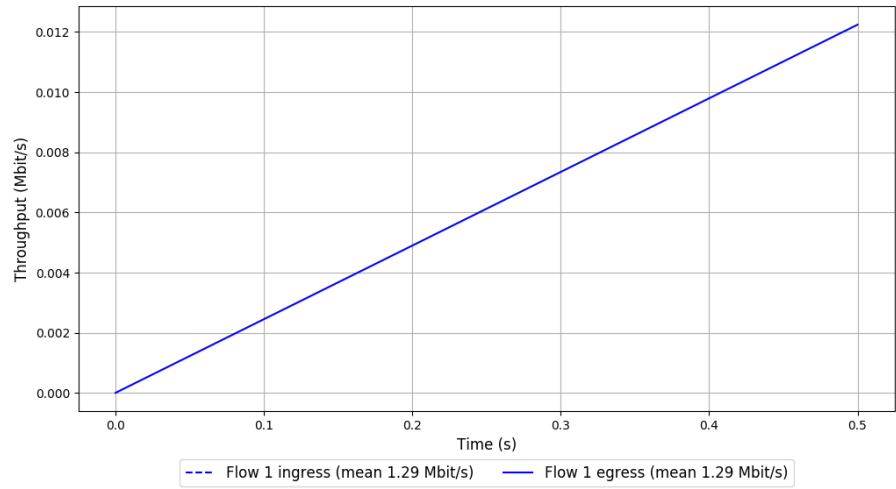
Start at: 2018-07-03 10:24:12

End at: 2018-07-03 10:24:42

Local clock offset: 3.054 ms

Remote clock offset: -7.477 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-03 10:43:11

End at: 2018-07-03 10:43:41

Local clock offset: 4.534 ms

Remote clock offset: -7.615 ms

Below is generated by plot.py at 2018-07-03 13:52:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 7.118 ms

Loss rate: 0.36%

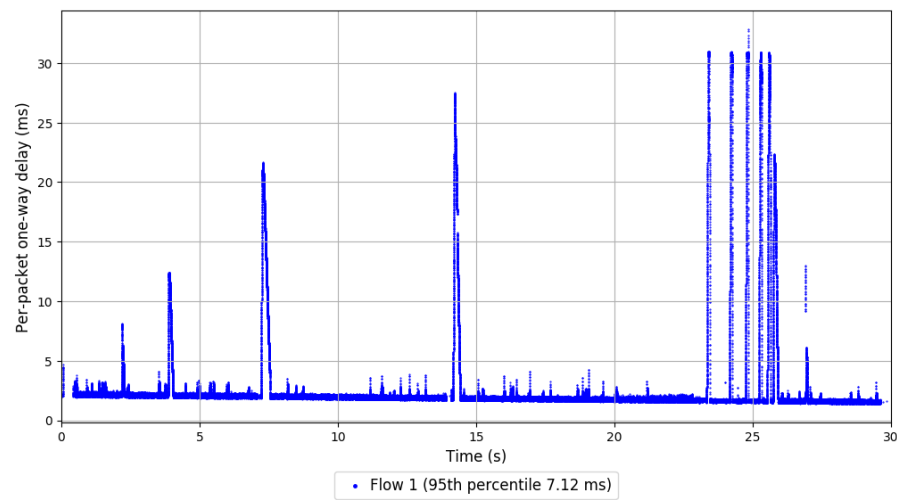
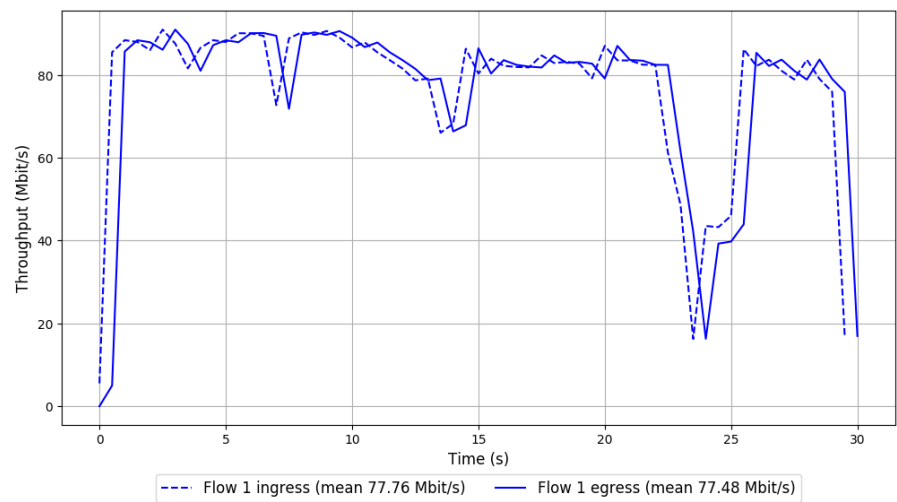
-- Flow 1:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 7.118 ms

Loss rate: 0.36%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-03 11:02:14

End at: 2018-07-03 11:02:44

Local clock offset: 1.767 ms

Remote clock offset: -1.218 ms

Below is generated by plot.py at 2018-07-03 13:52:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.04 Mbit/s

95th percentile per-packet one-way delay: 6.157 ms

Loss rate: 0.23%

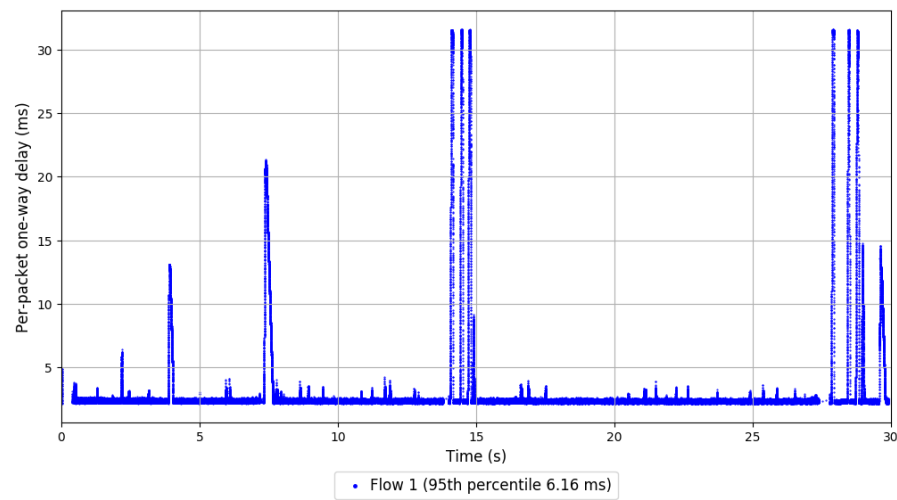
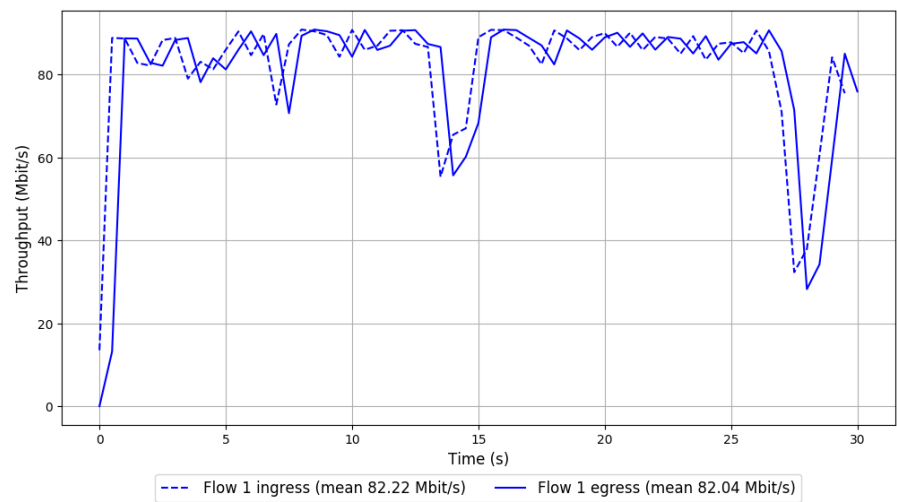
-- Flow 1:

Average throughput: 82.04 Mbit/s

95th percentile per-packet one-way delay: 6.157 ms

Loss rate: 0.23%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-03 11:21:16

End at: 2018-07-03 11:21:46

Local clock offset: 0.098 ms

Remote clock offset: -1.76 ms

Below is generated by plot.py at 2018-07-03 13:52:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.46 Mbit/s

95th percentile per-packet one-way delay: 10.441 ms

Loss rate: 0.27%

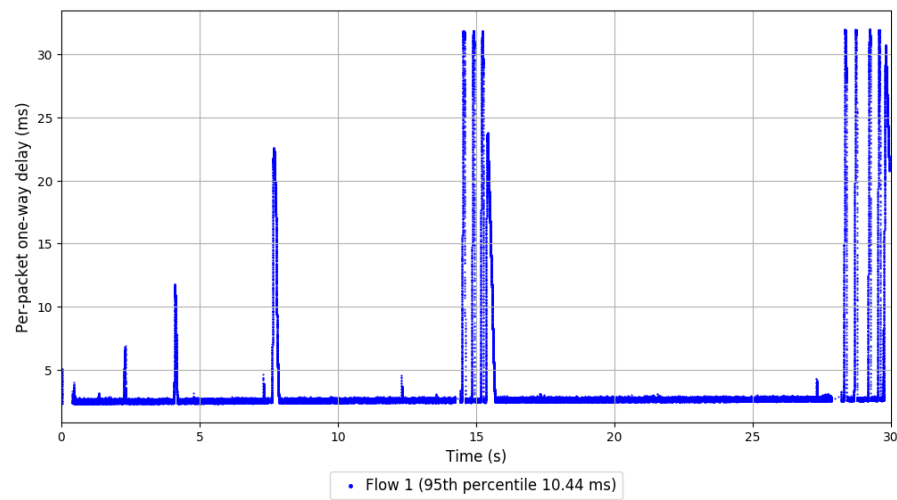
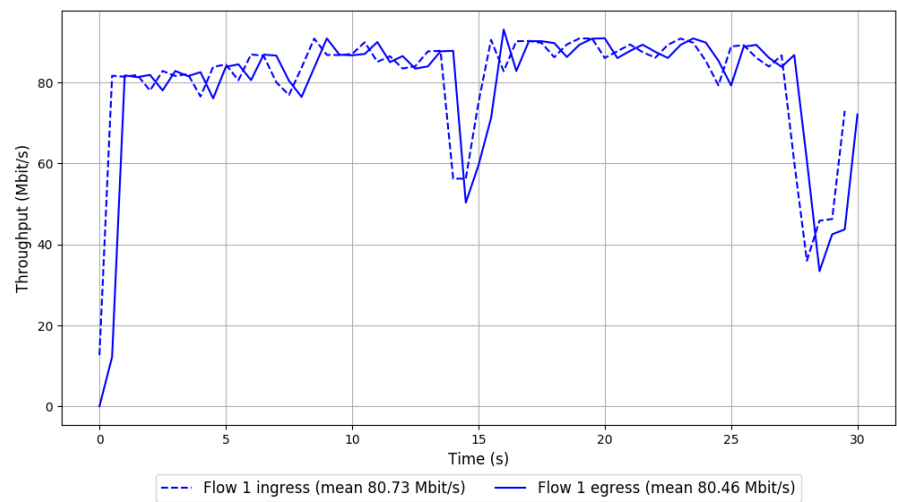
-- Flow 1:

Average throughput: 80.46 Mbit/s

95th percentile per-packet one-way delay: 10.441 ms

Loss rate: 0.27%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-03 11:40:19

End at: 2018-07-03 11:40:49

Local clock offset: 0.461 ms

Remote clock offset: -5.896 ms

Below is generated by plot.py at 2018-07-03 13:52:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 6.190 ms

Loss rate: 0.27%

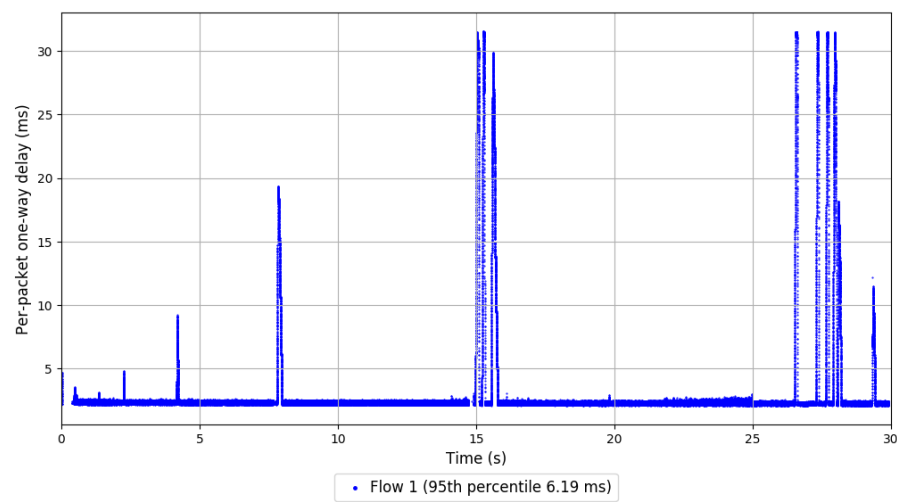
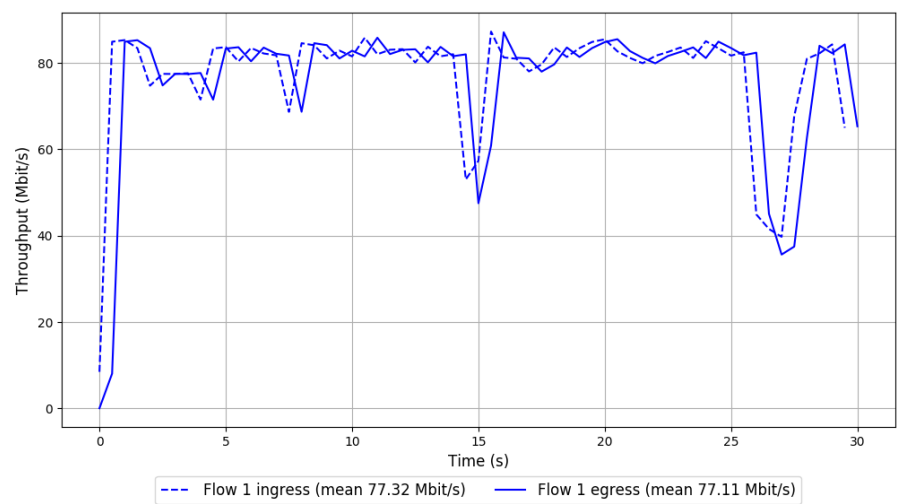
-- Flow 1:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 6.190 ms

Loss rate: 0.27%

Run 5: Report of QUIC Cubic — Data Link

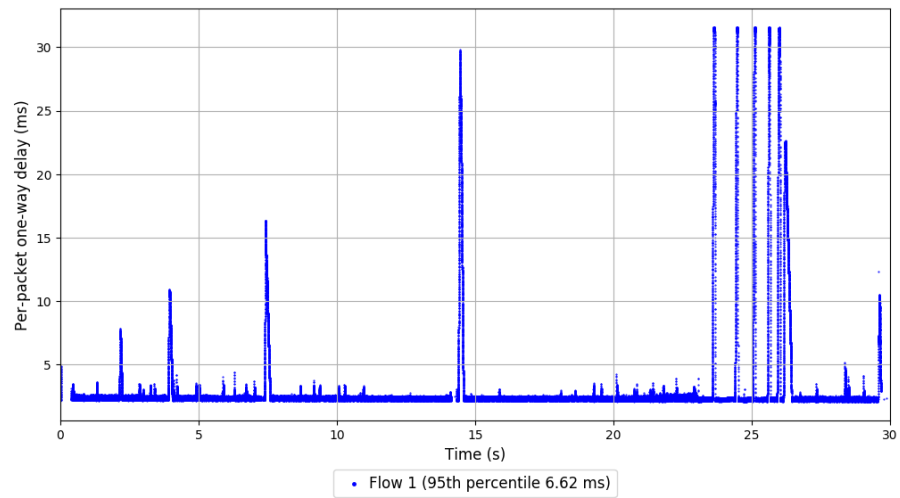
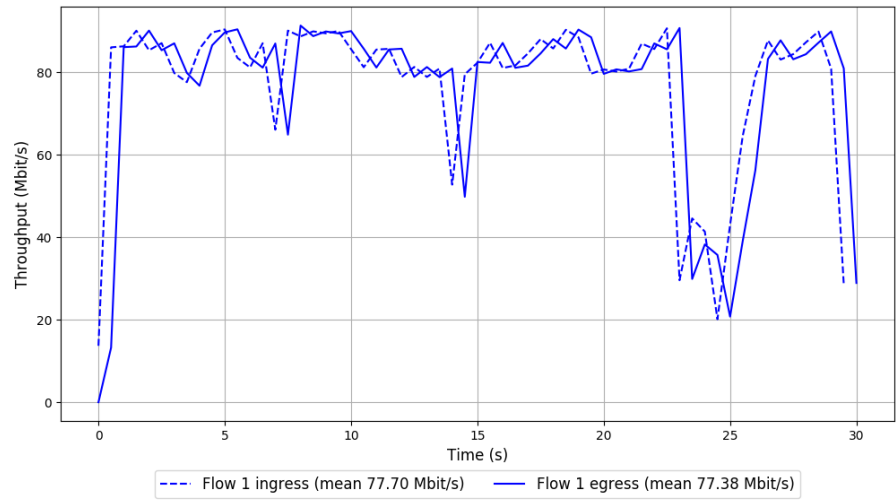


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-03 11:59:21
End at: 2018-07-03 11:59:51
Local clock offset: -0.983 ms
Remote clock offset: -3.506 ms

Below is generated by plot.py at 2018-07-03 13:52:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.38 Mbit/s
95th percentile per-packet one-way delay: 6.620 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 77.38 Mbit/s
95th percentile per-packet one-way delay: 6.620 ms
Loss rate: 0.41%

Run 6: Report of QUIC Cubic — Data Link

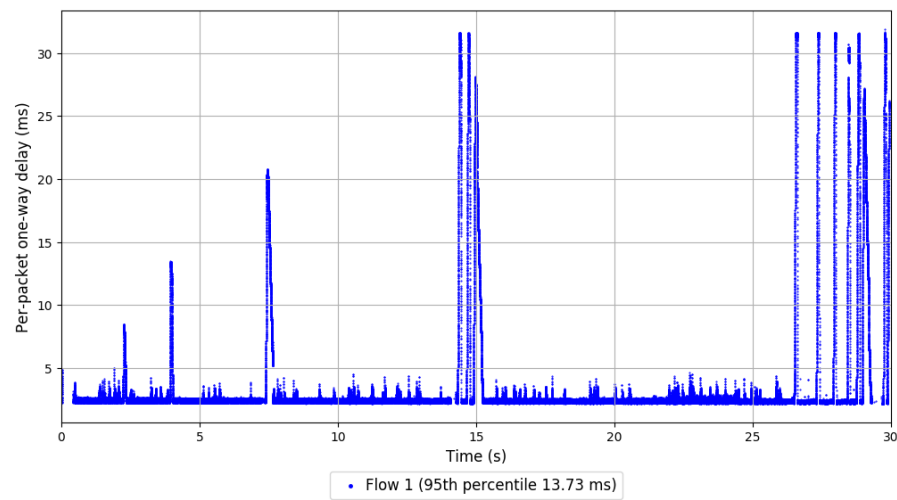
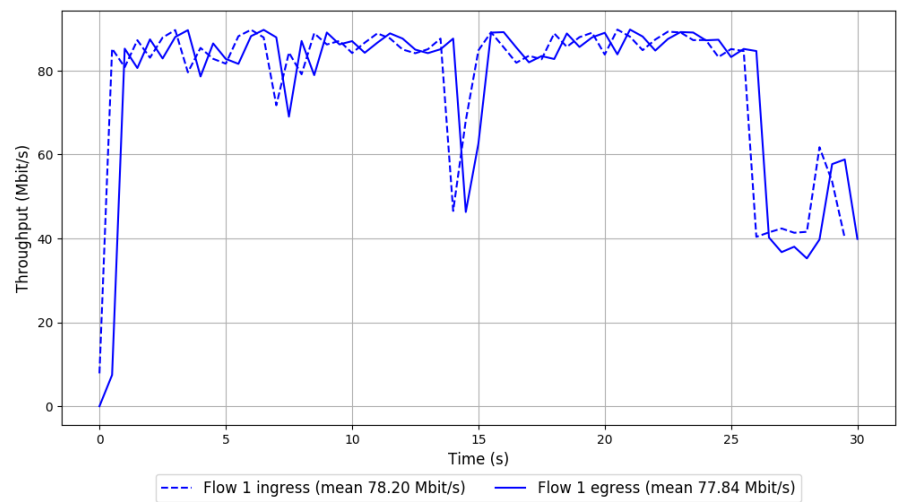


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-03 12:18:22
End at: 2018-07-03 12:18:52
Local clock offset: -1.228 ms
Remote clock offset: -1.032 ms

Below is generated by plot.py at 2018-07-03 13:52:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 13.728 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 13.728 ms
Loss rate: 0.38%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-03 12:37:30

End at: 2018-07-03 12:38:00

Local clock offset: -1.314 ms

Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-07-03 13:52:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.61 Mbit/s

95th percentile per-packet one-way delay: 4.290 ms

Loss rate: 0.37%

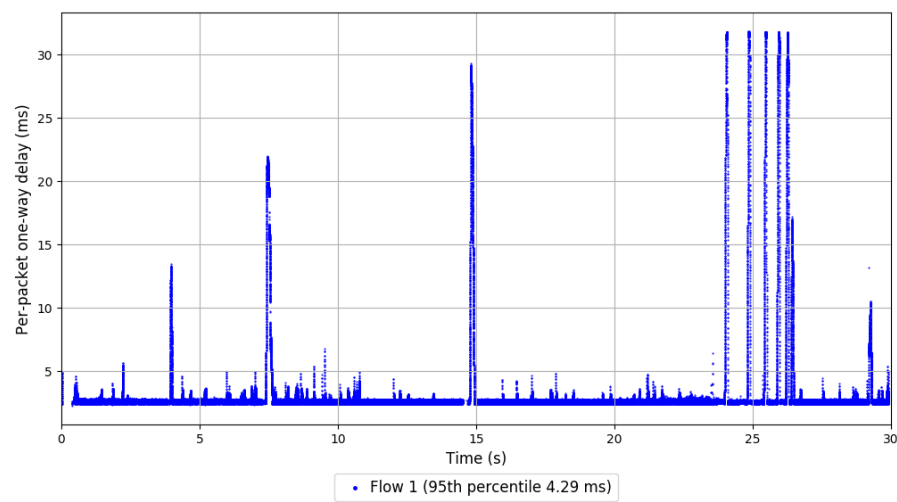
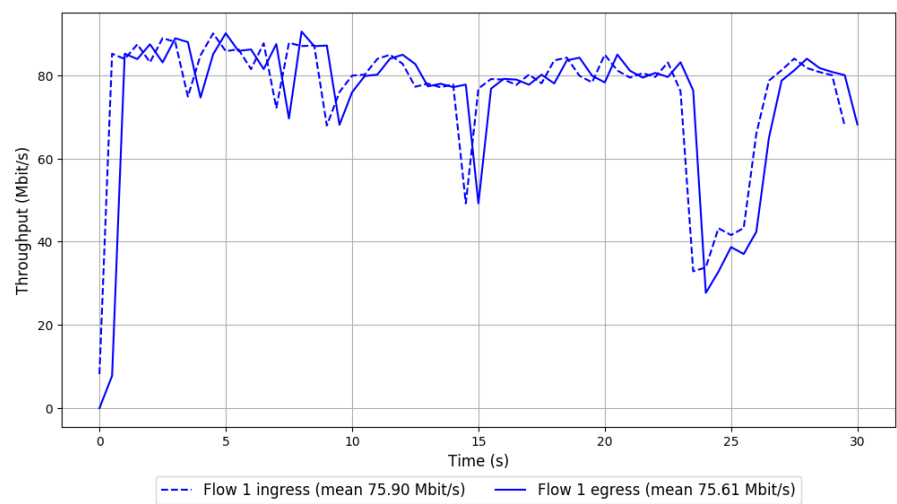
-- Flow 1:

Average throughput: 75.61 Mbit/s

95th percentile per-packet one-way delay: 4.290 ms

Loss rate: 0.37%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-03 12:56:33

End at: 2018-07-03 12:57:03

Local clock offset: -1.216 ms

Remote clock offset: -1.027 ms

Below is generated by plot.py at 2018-07-03 13:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 2.917 ms

Loss rate: 0.15%

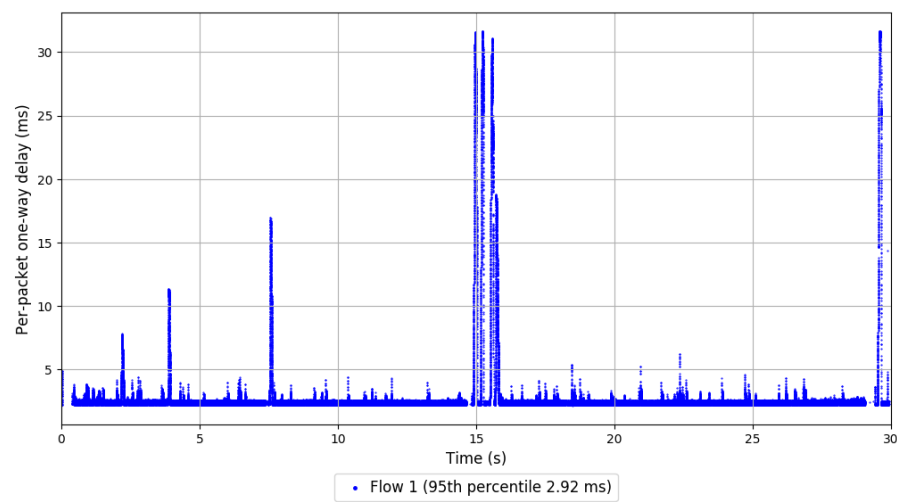
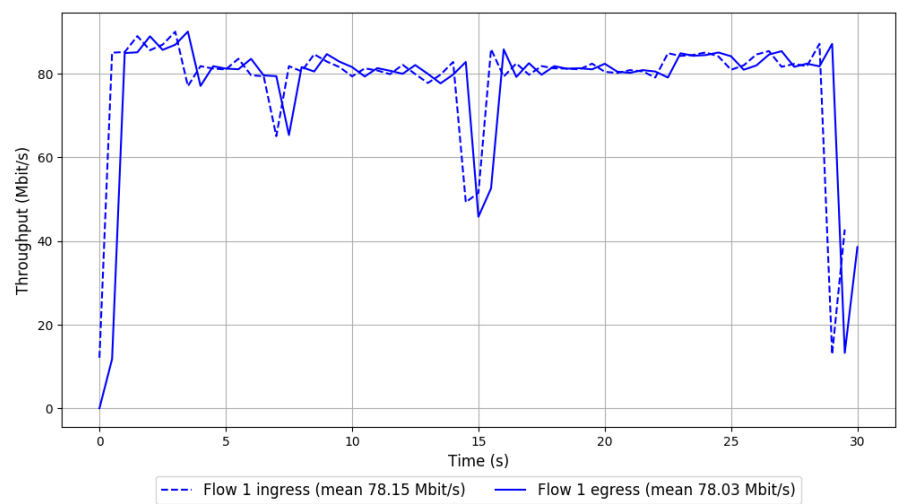
-- Flow 1:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 2.917 ms

Loss rate: 0.15%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-03 13:15:35

End at: 2018-07-03 13:16:05

Local clock offset: -1.34 ms

Remote clock offset: -2.636 ms

Below is generated by plot.py at 2018-07-03 13:53:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.12 Mbit/s

95th percentile per-packet one-way delay: 7.408 ms

Loss rate: 0.30%

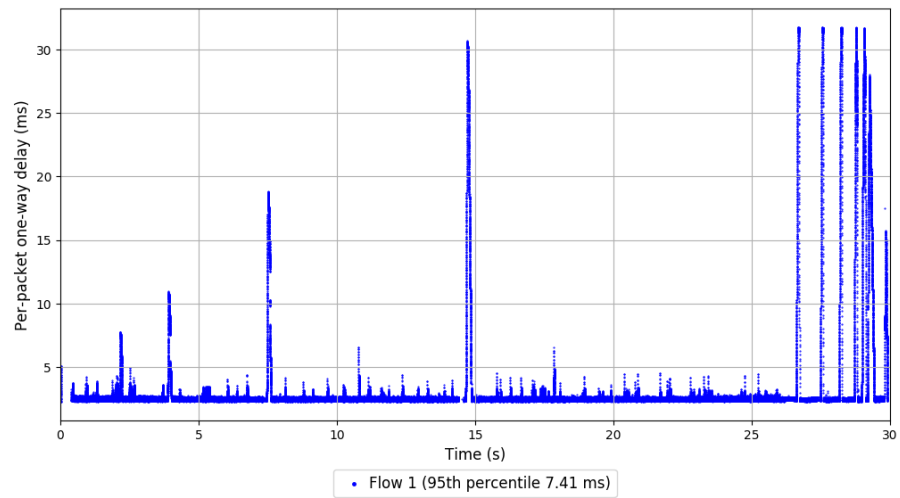
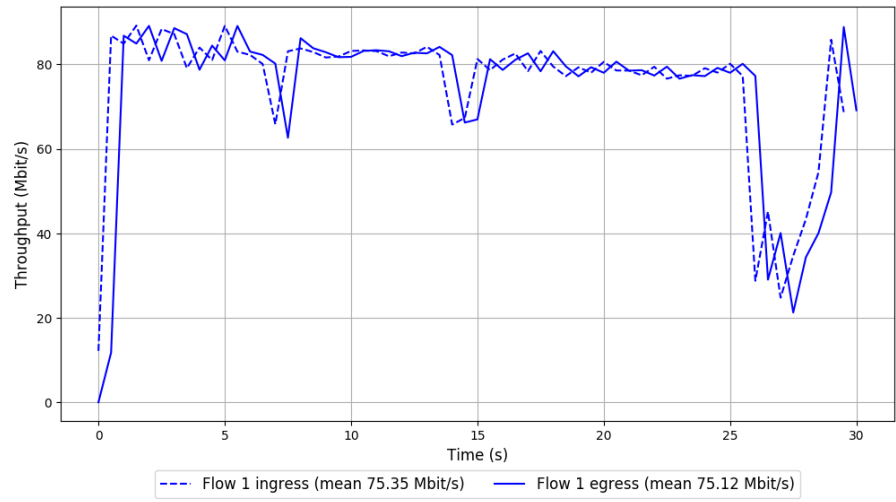
-- Flow 1:

Average throughput: 75.12 Mbit/s

95th percentile per-packet one-way delay: 7.408 ms

Loss rate: 0.30%

Run 10: Report of QUIC Cubic — Data Link

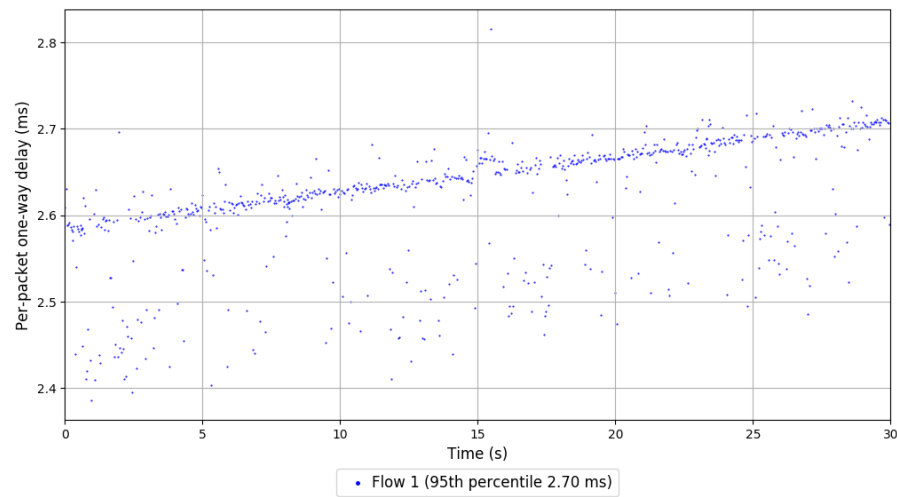
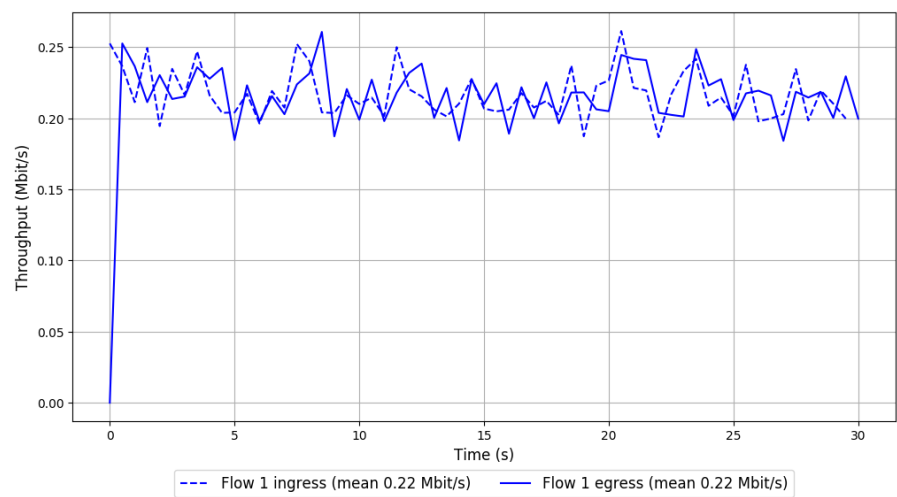


Run 1: Statistics of SCReAM

Start at: 2018-07-03 10:35:22
End at: 2018-07-03 10:35:52
Local clock offset: 5.156 ms
Remote clock offset: -7.483 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.704 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

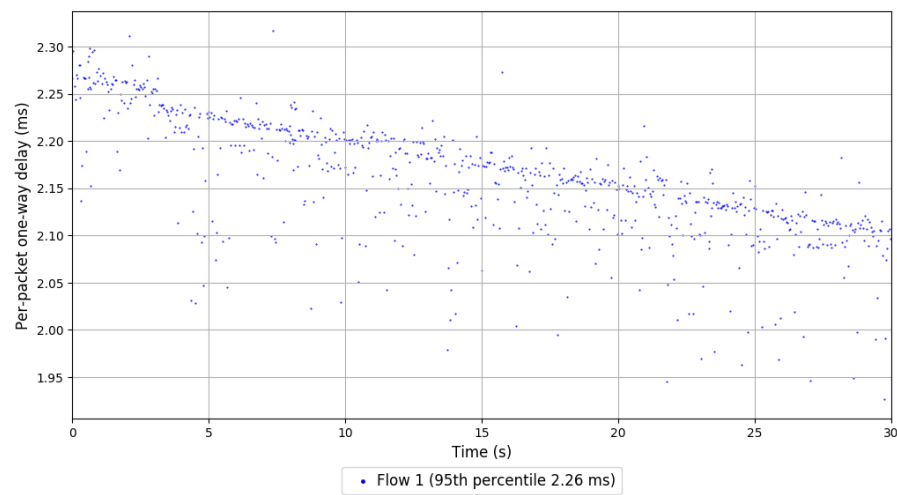
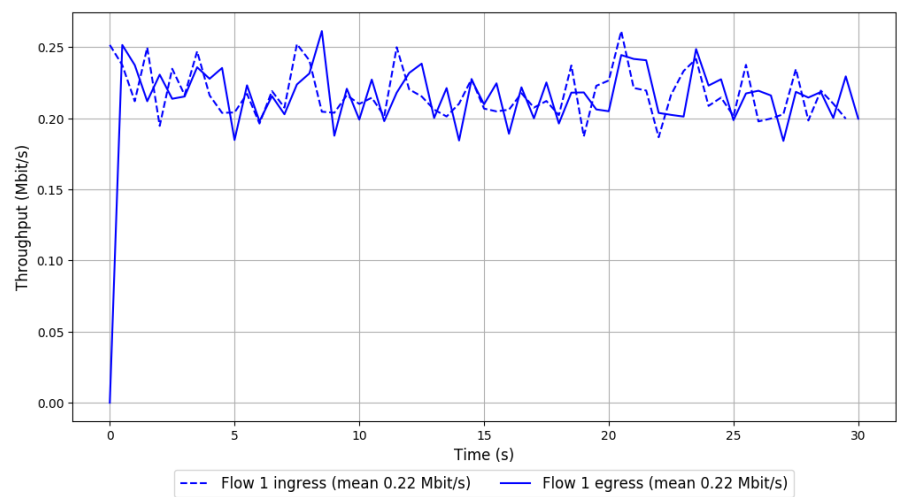


Run 2: Statistics of SCReAM

Start at: 2018-07-03 10:54:24
End at: 2018-07-03 10:54:54
Local clock offset: 1.625 ms
Remote clock offset: -2.814 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.261 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-03 11:13:26

End at: 2018-07-03 11:13:56

Local clock offset: 1.485 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-07-03 13:53:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.210 ms

Loss rate: 0.00%

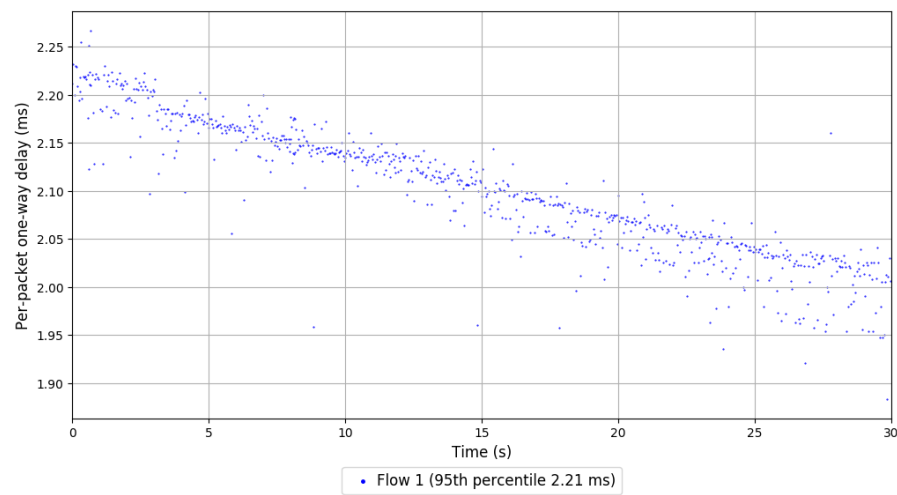
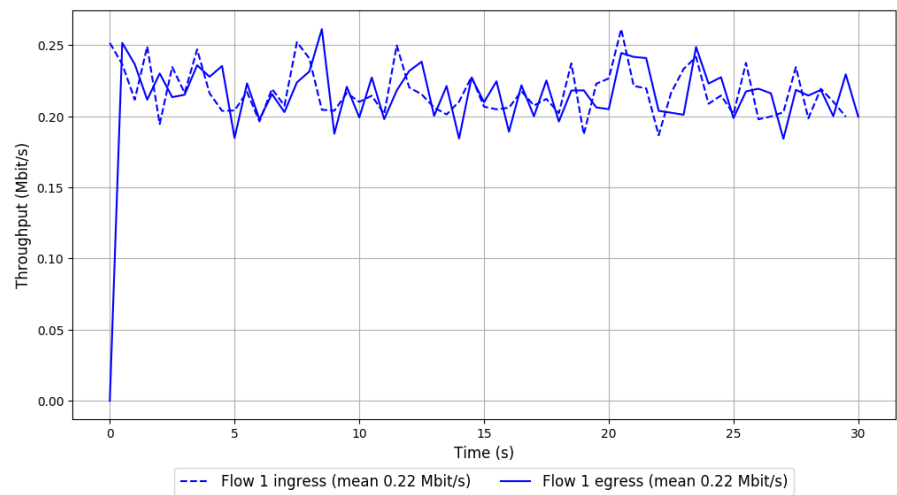
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.210 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

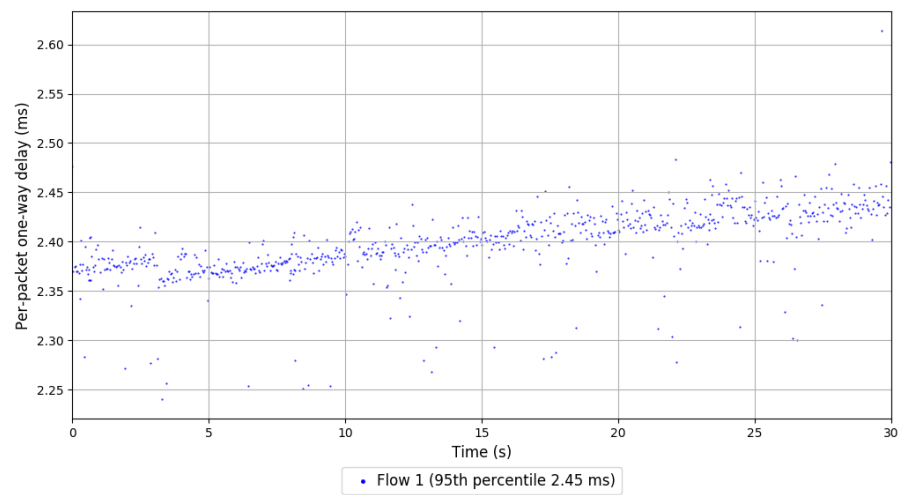
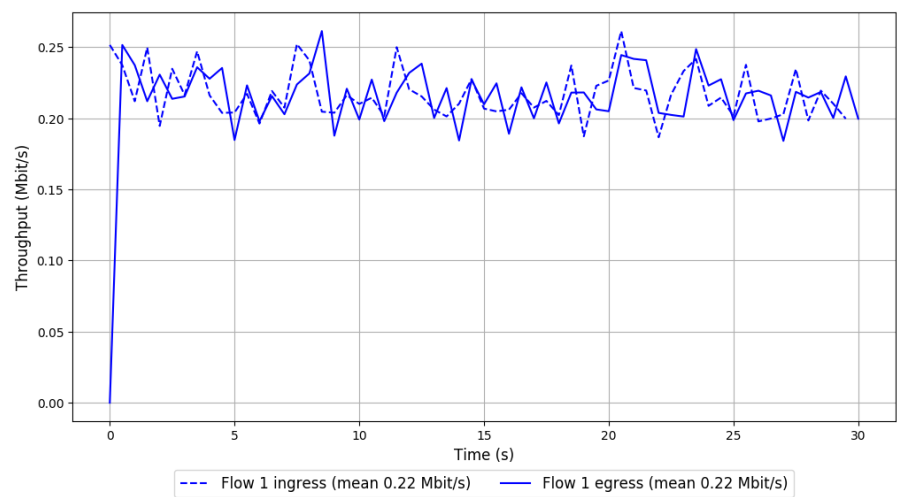


Run 4: Statistics of SCReAM

Start at: 2018-07-03 11:32:28
End at: 2018-07-03 11:32:58
Local clock offset: 0.044 ms
Remote clock offset: -5.133 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.446 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

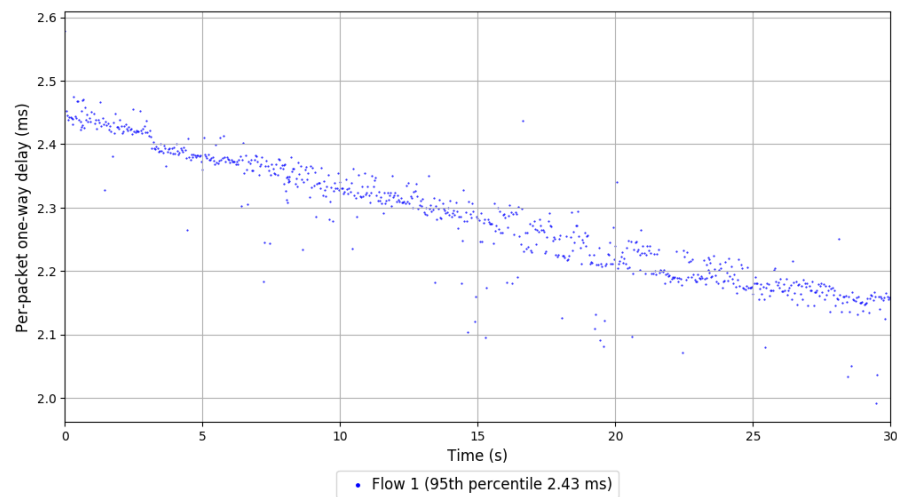
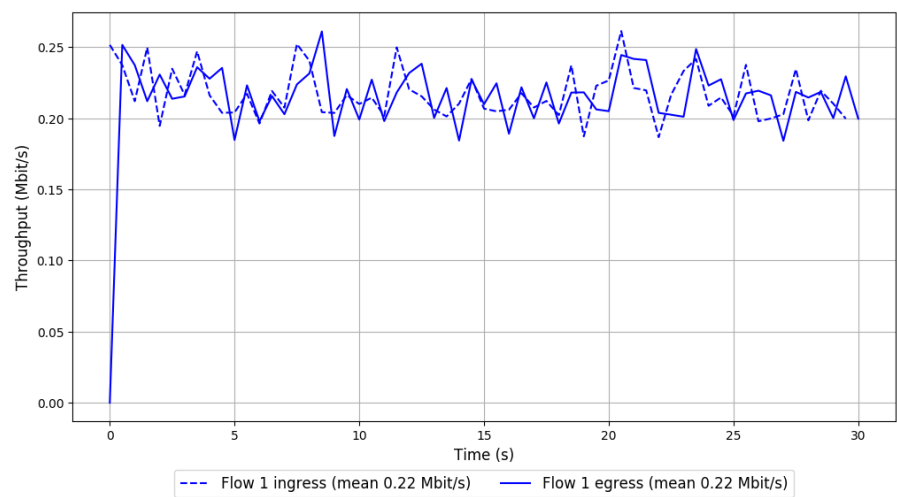


Run 5: Statistics of SCReAM

Start at: 2018-07-03 11:51:30
End at: 2018-07-03 11:52:00
Local clock offset: -0.925 ms
Remote clock offset: -6.193 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-03 12:10:32

End at: 2018-07-03 12:11:02

Local clock offset: -0.687 ms

Remote clock offset: -1.73 ms

Below is generated by plot.py at 2018-07-03 13:53:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.361 ms

Loss rate: 0.00%

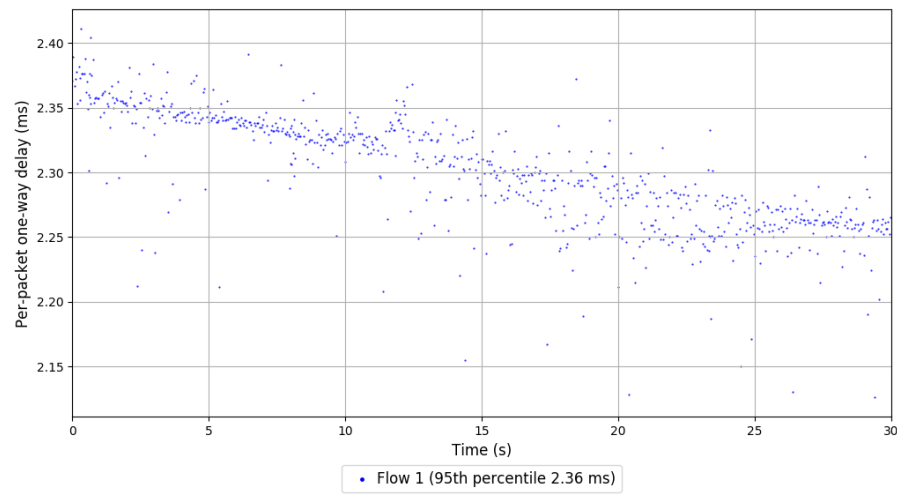
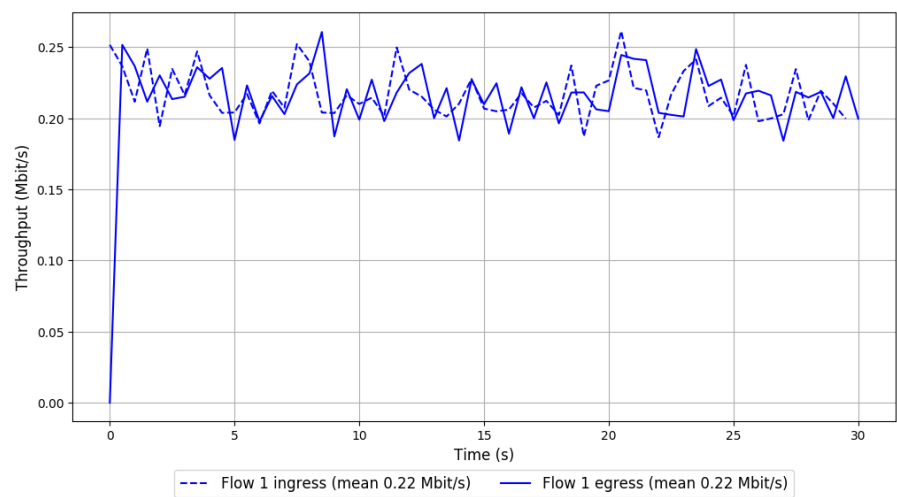
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.361 ms

Loss rate: 0.00%

Run 6: Report of SCRaM — Data Link

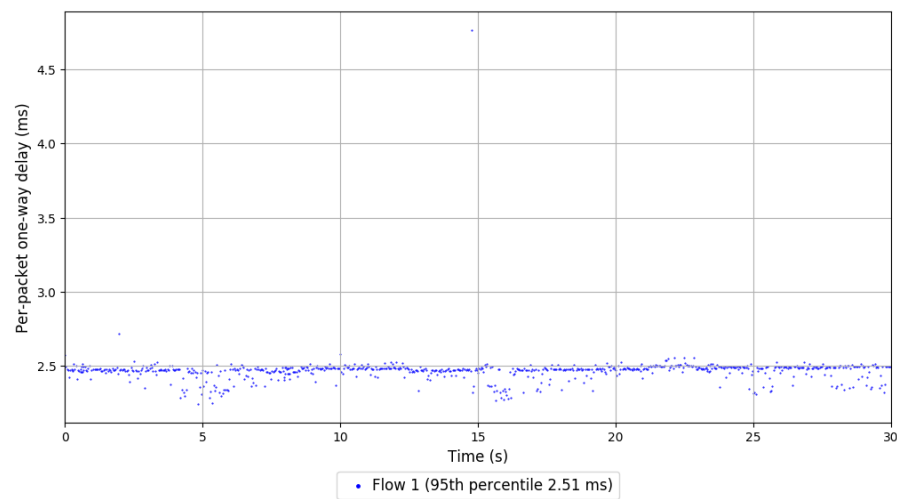
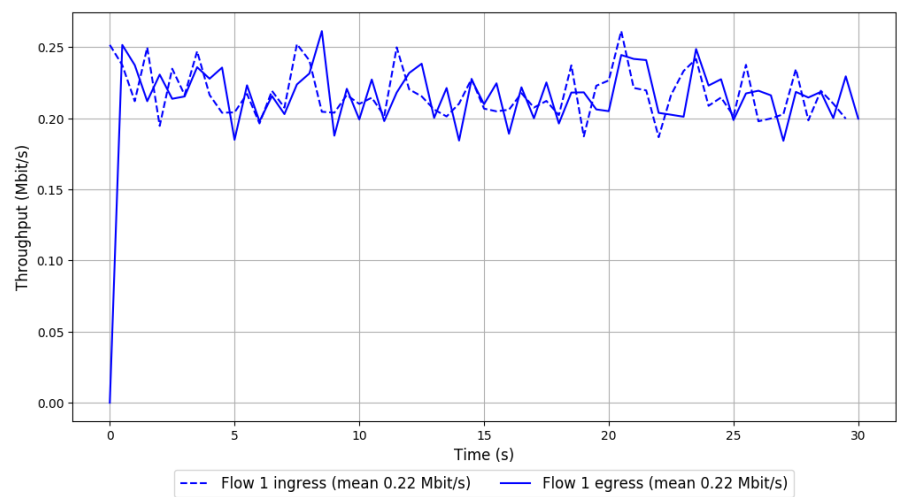


Run 7: Statistics of SCReAM

Start at: 2018-07-03 12:29:40
End at: 2018-07-03 12:30:10
Local clock offset: -1.348 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

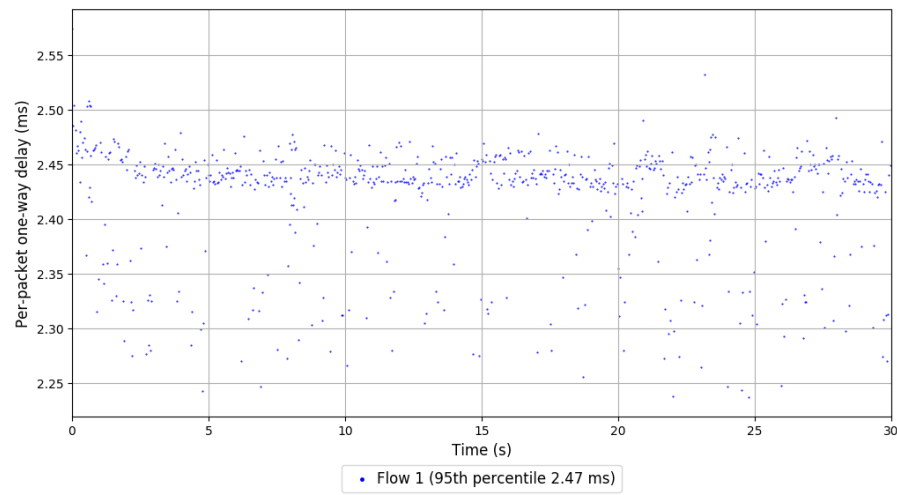
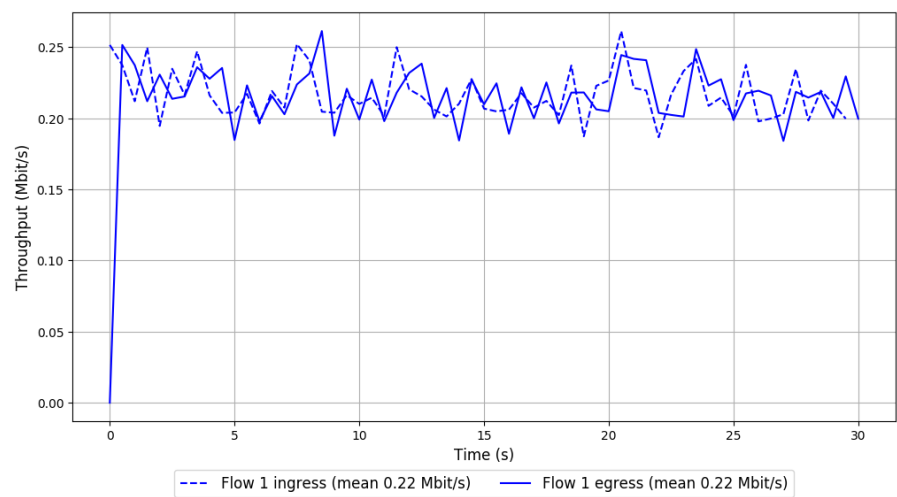


Run 8: Statistics of SCReAM

Start at: 2018-07-03 12:48:43
End at: 2018-07-03 12:49:13
Local clock offset: -1.281 ms
Remote clock offset: -1.139 ms

Below is generated by plot.py at 2018-07-03 13:53:09
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

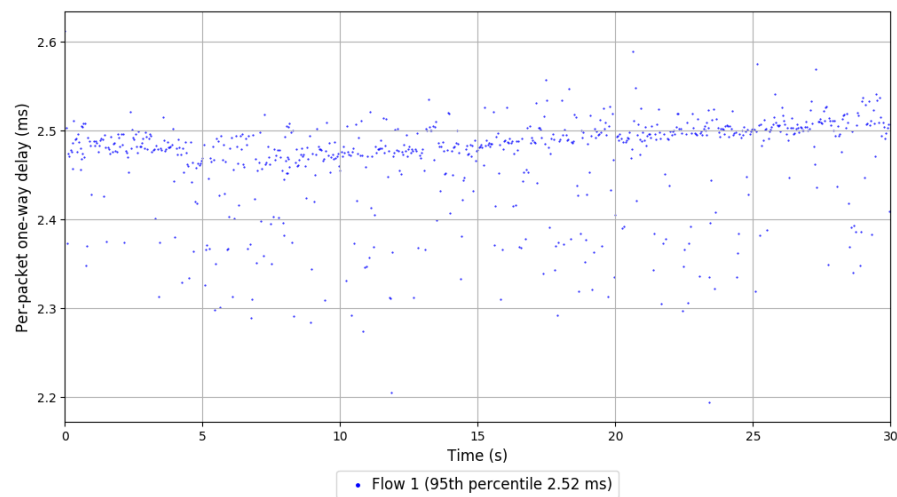
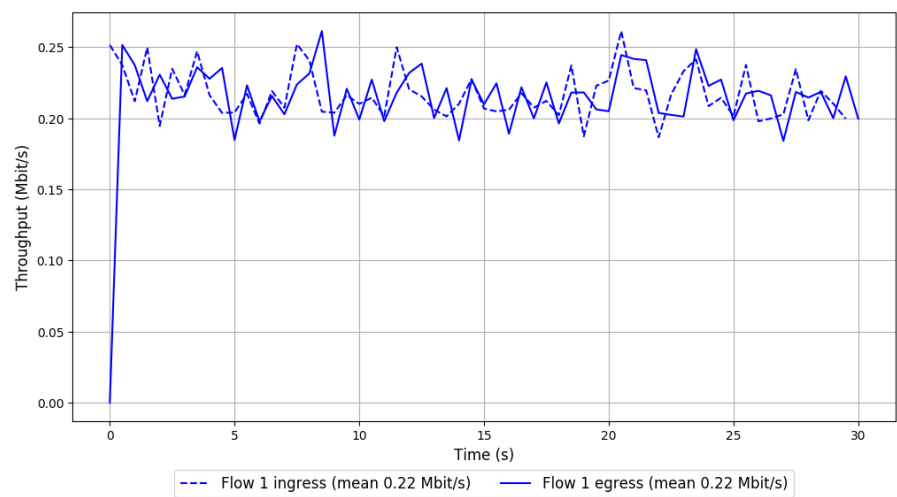


Run 9: Statistics of SCReAM

Start at: 2018-07-03 13:07:45
End at: 2018-07-03 13:08:15
Local clock offset: -1.02 ms
Remote clock offset: -2.111 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.520 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

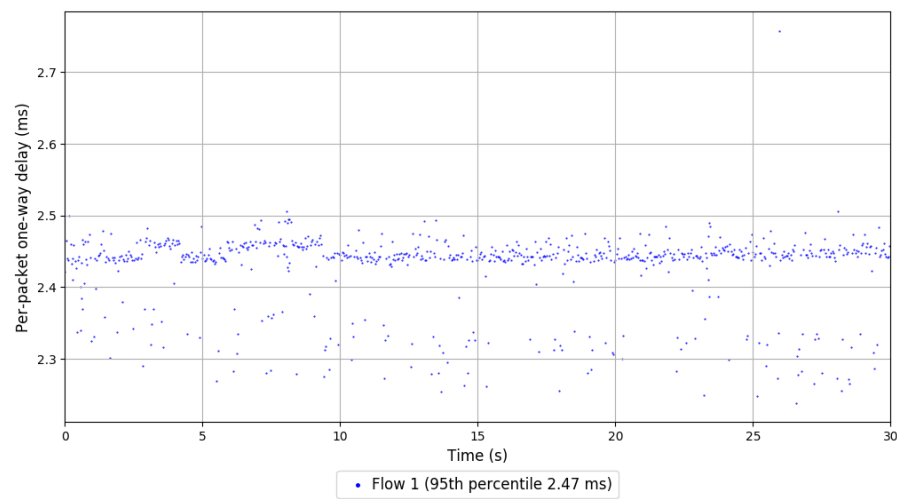
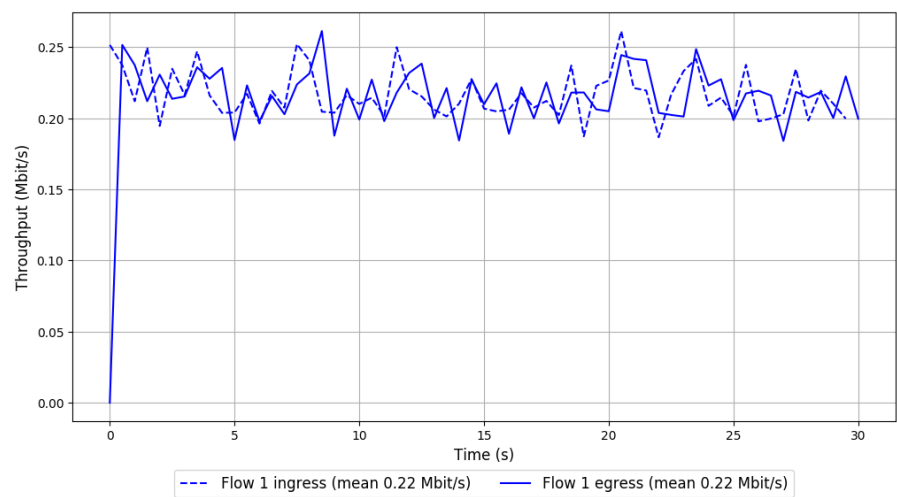


Run 10: Statistics of SReAM

Start at: 2018-07-03 13:26:48
End at: 2018-07-03 13:27:18
Local clock offset: -1.539 ms
Remote clock offset: -3.004 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-03 10:29:47
End at: 2018-07-03 10:30:18
Local clock offset: 4.007 ms
Remote clock offset: -7.487 ms

Below is generated by plot.py at 2018-07-03 13:53:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.50 Mbit/s

95th percentile per-packet one-way delay: 10.361 ms

Loss rate: 0.00%

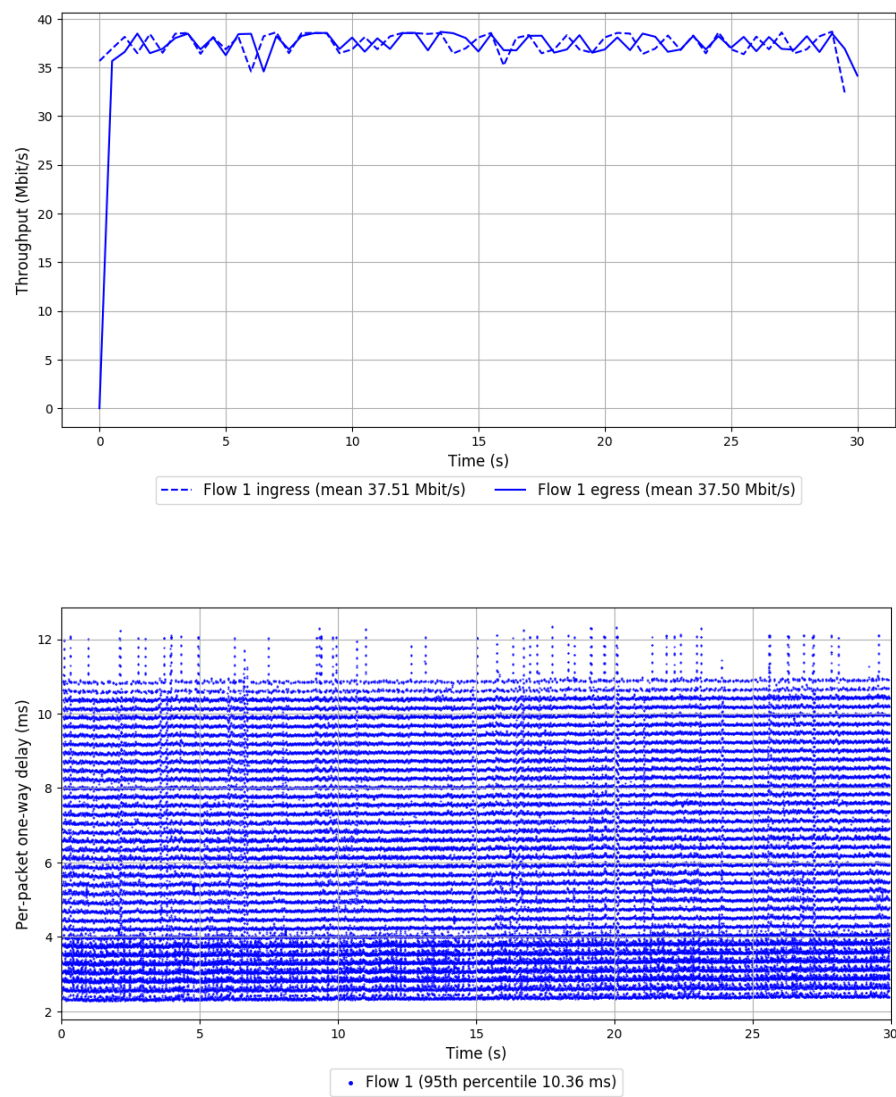
-- Flow 1:

Average throughput: 37.50 Mbit/s

95th percentile per-packet one-way delay: 10.361 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

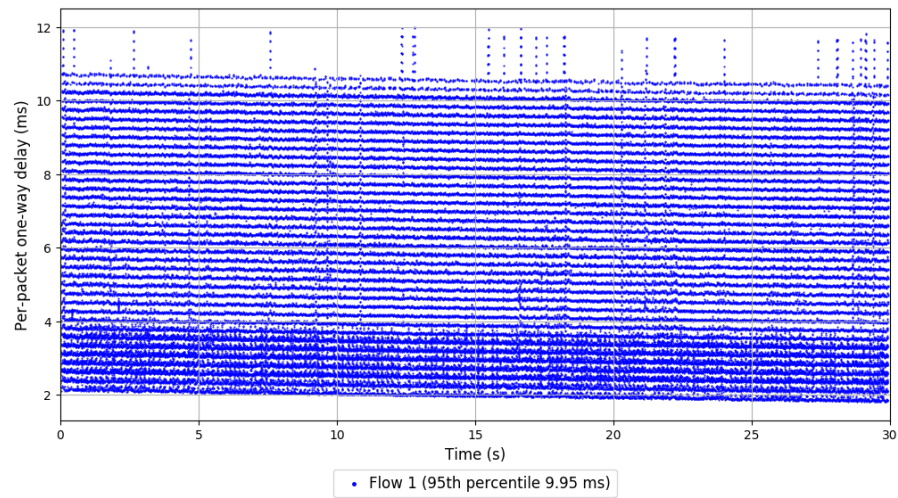
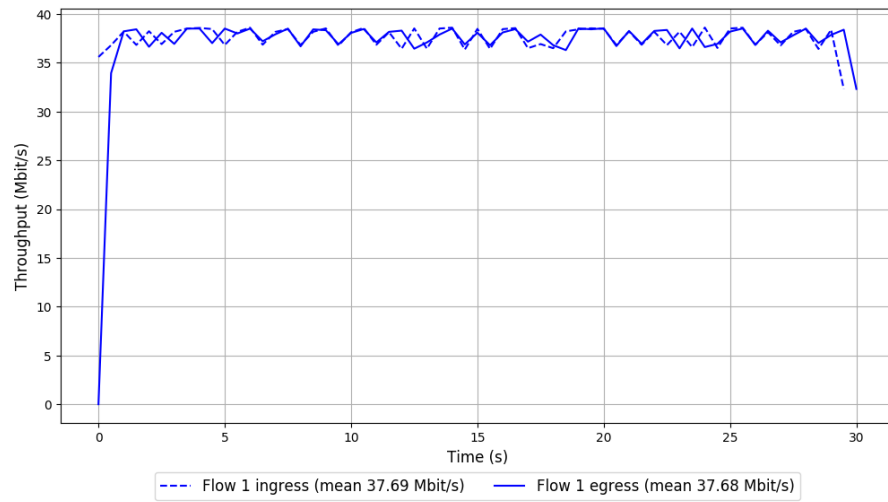


Run 2: Statistics of Sprout

Start at: 2018-07-03 10:48:50
End at: 2018-07-03 10:49:20
Local clock offset: 2.309 ms
Remote clock offset: -4.565 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 9.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 9.954 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

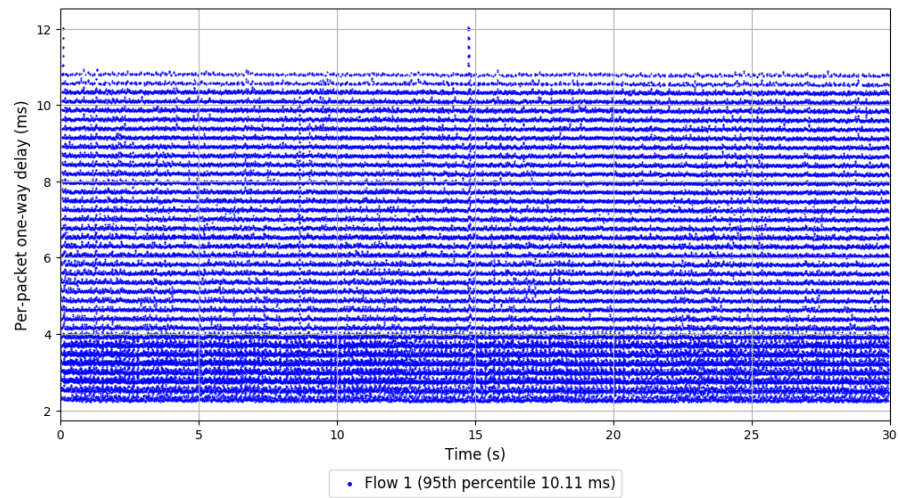
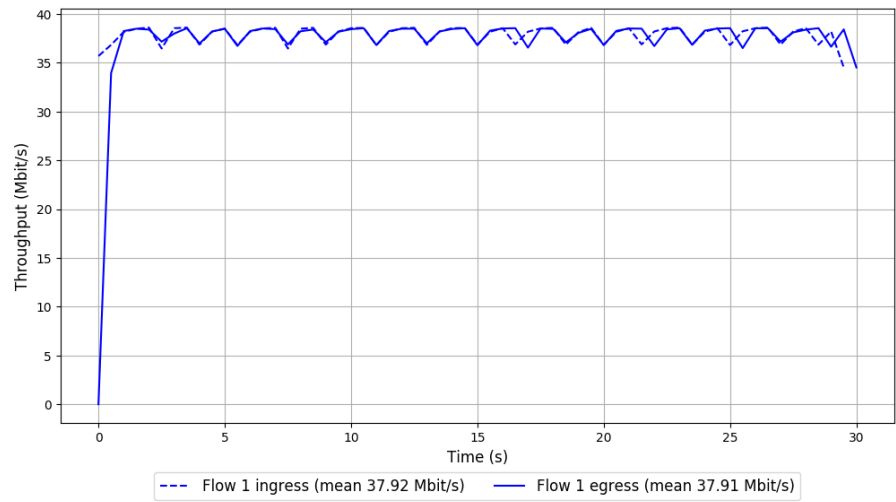


Run 3: Statistics of Sprout

Start at: 2018-07-03 11:07:52
End at: 2018-07-03 11:08:23
Local clock offset: 2.298 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-07-03 13:53:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 10.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 10.110 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

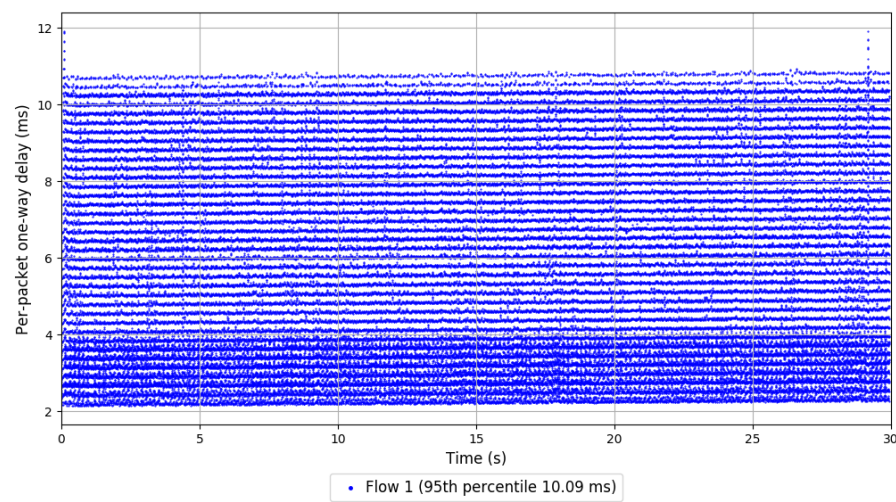
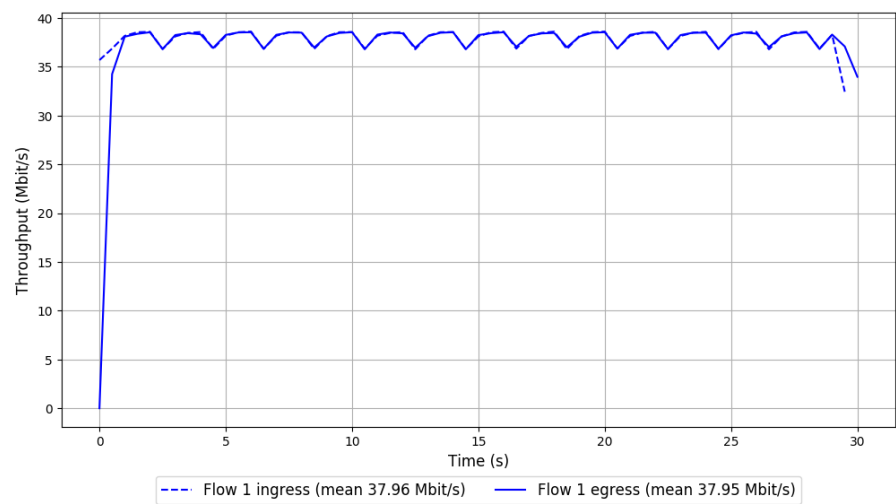


Run 4: Statistics of Sprout

Start at: 2018-07-03 11:26:55
End at: 2018-07-03 11:27:25
Local clock offset: -0.093 ms
Remote clock offset: -4.078 ms

Below is generated by plot.py at 2018-07-03 13:53:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 10.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 10.090 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

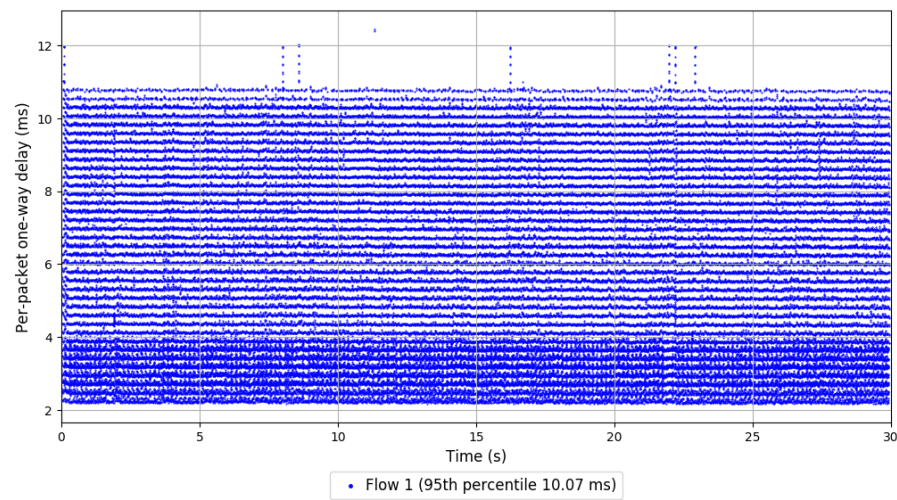
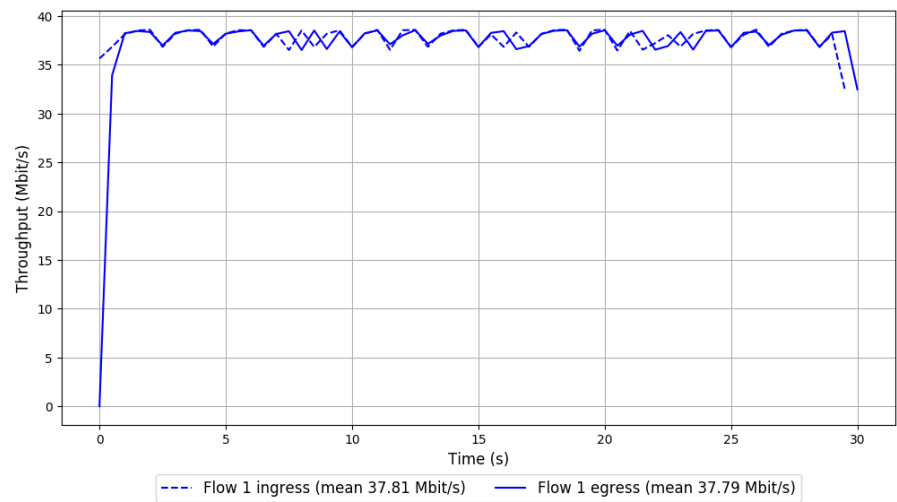


Run 5: Statistics of Sprout

Start at: 2018-07-03 11:45:57
End at: 2018-07-03 11:46:27
Local clock offset: -0.451 ms
Remote clock offset: -6.057 ms

Below is generated by plot.py at 2018-07-03 13:53:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 10.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 10.069 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

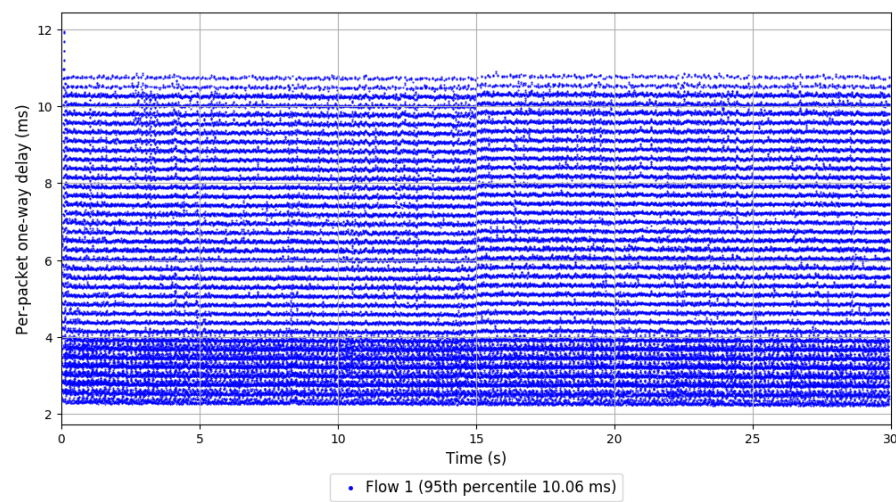
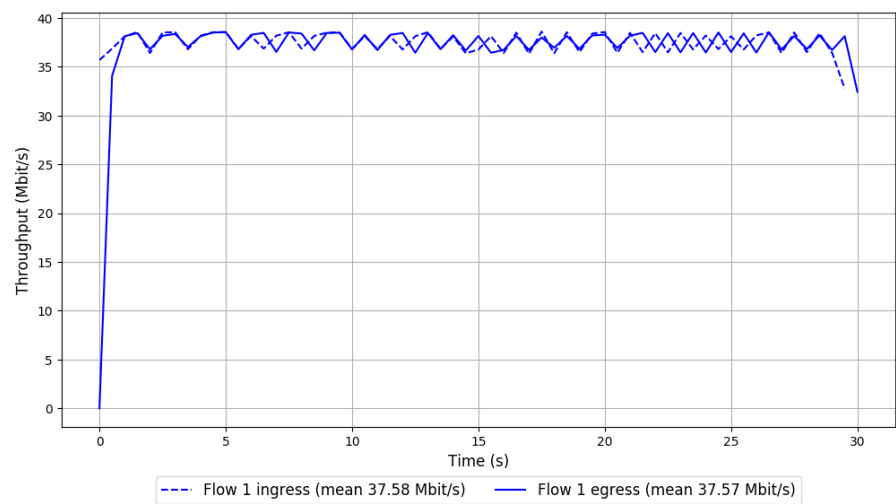


Run 6: Statistics of Sprout

Start at: 2018-07-03 12:04:59
End at: 2018-07-03 12:05:29
Local clock offset: -0.806 ms
Remote clock offset: -2.324 ms

Below is generated by plot.py at 2018-07-03 13:53:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 10.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 10.058 ms
Loss rate: 0.01%

Run 6: Report of Sprout — Data Link

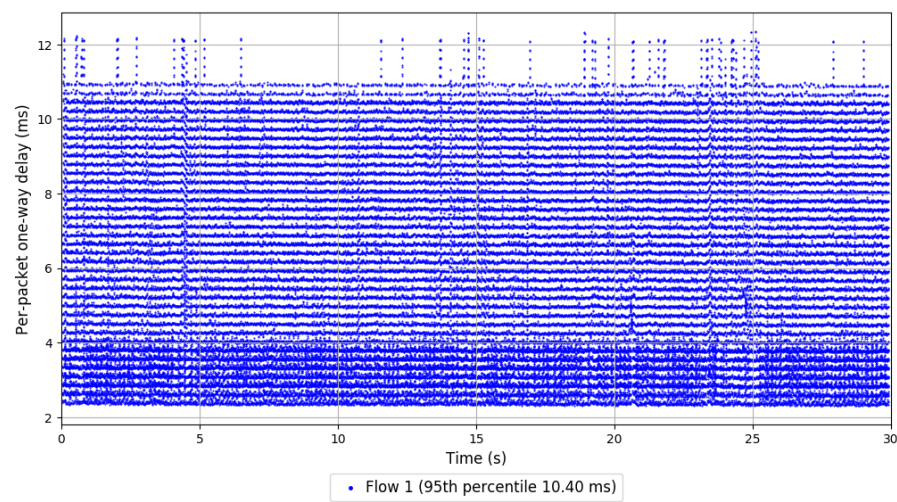
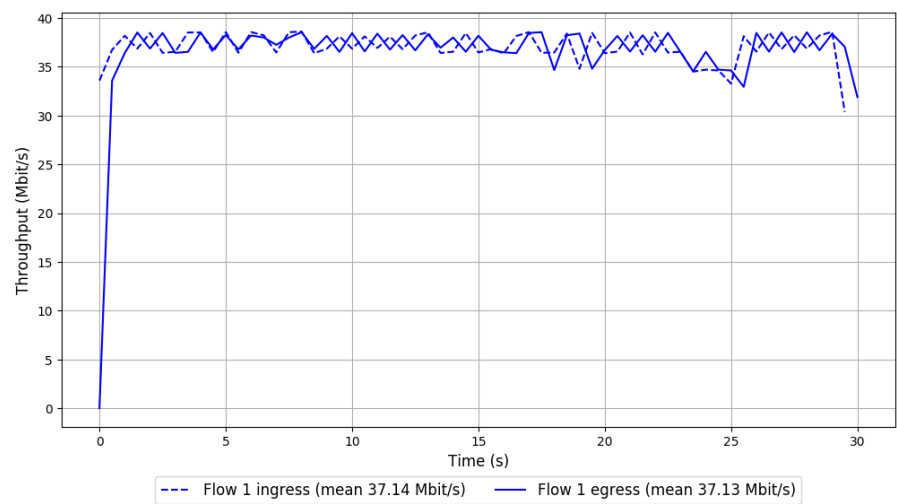


Run 7: Statistics of Sprout

Start at: 2018-07-03 12:24:06
End at: 2018-07-03 12:24:36
Local clock offset: -1.411 ms
Remote clock offset: -0.608 ms

Below is generated by plot.py at 2018-07-03 13:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 10.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 10.398 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

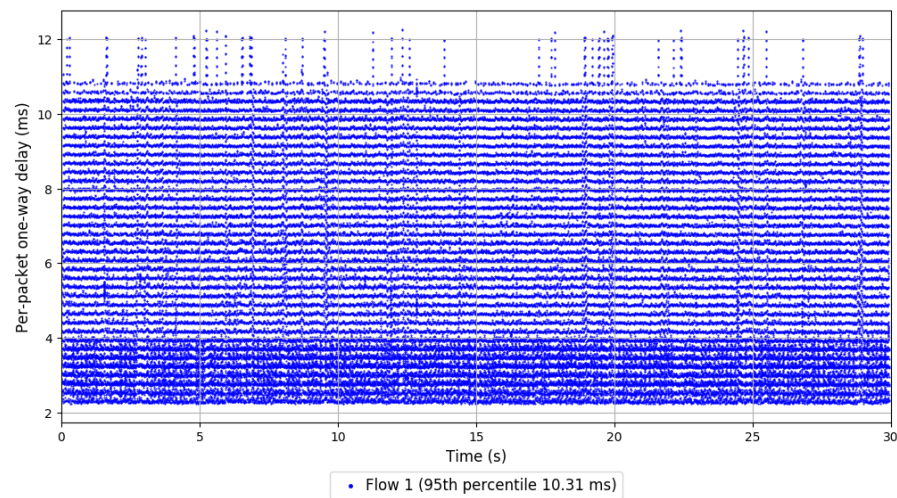
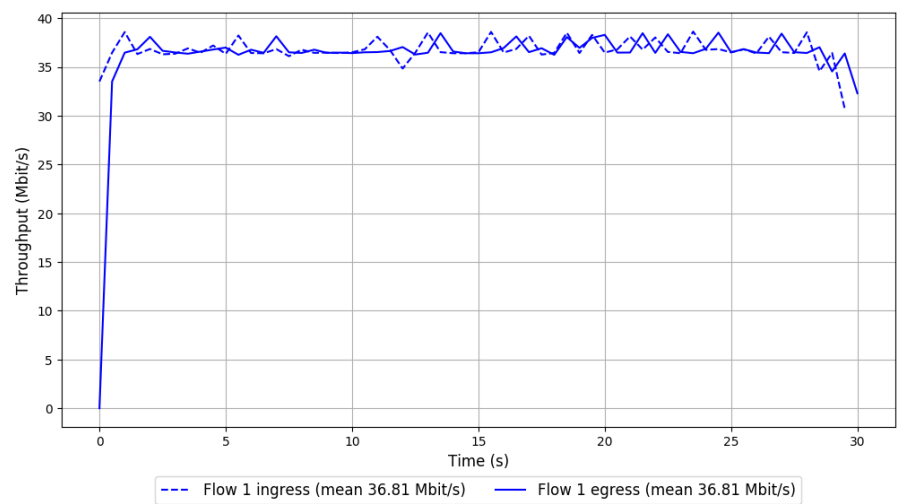


Run 8: Statistics of Sprout

Start at: 2018-07-03 12:43:09
End at: 2018-07-03 12:43:39
Local clock offset: -1.237 ms
Remote clock offset: -1.243 ms

Below is generated by plot.py at 2018-07-03 13:53:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 10.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 10.311 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

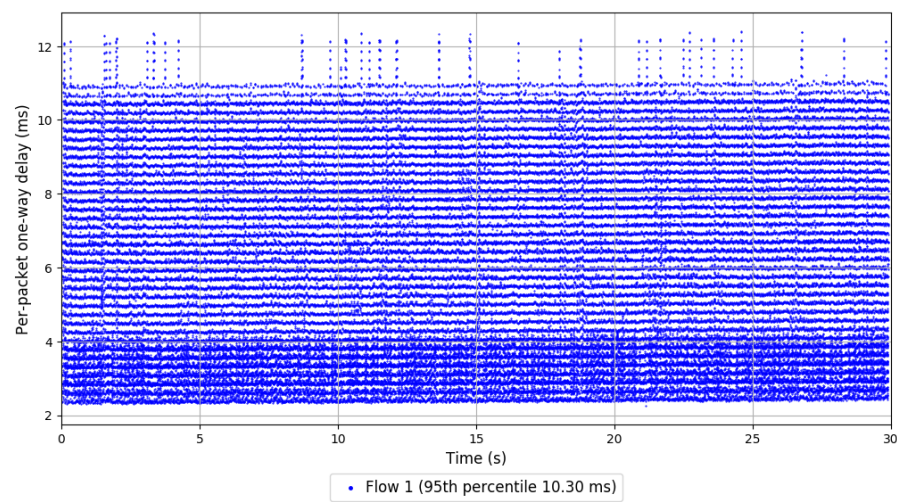
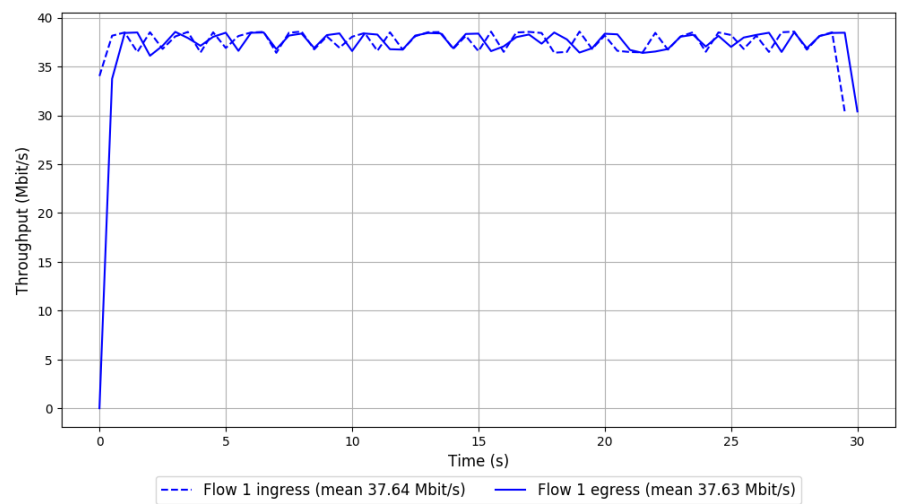


Run 9: Statistics of Sprout

Start at: 2018-07-03 13:02:11
End at: 2018-07-03 13:02:41
Local clock offset: -1.146 ms
Remote clock offset: -1.359 ms

Below is generated by plot.py at 2018-07-03 13:53:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 10.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 10.300 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

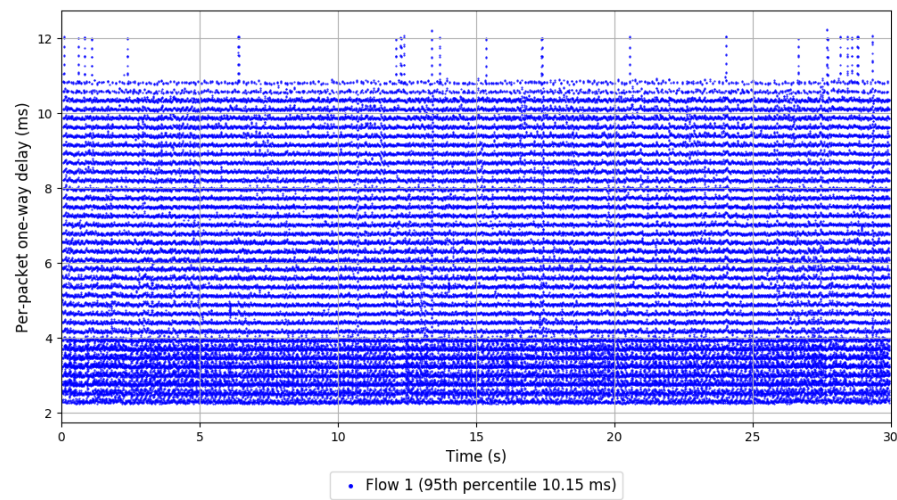
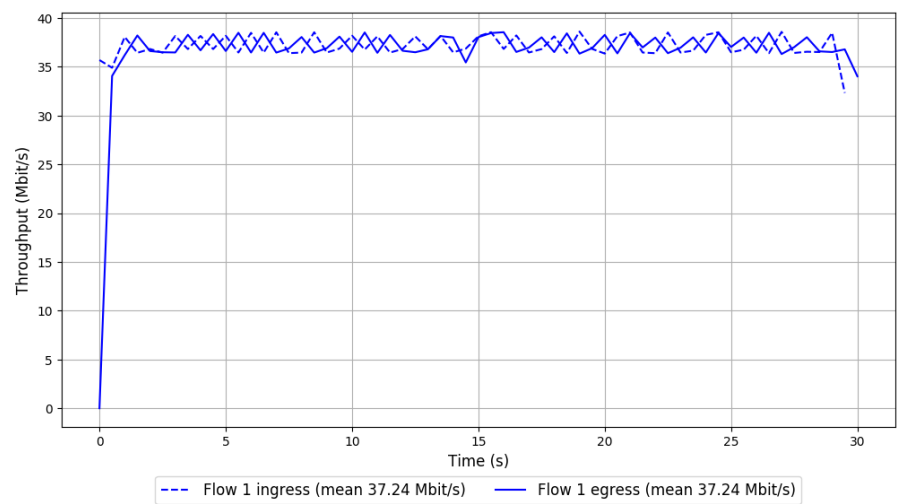


Run 10: Statistics of Sprout

Start at: 2018-07-03 13:21:14
End at: 2018-07-03 13:21:44
Local clock offset: -1.504 ms
Remote clock offset: -2.881 ms

Below is generated by plot.py at 2018-07-03 13:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 10.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 10.152 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-03 10:26:23

End at: 2018-07-03 10:26:53

Local clock offset: 3.394 ms

Remote clock offset: -7.492 ms

Below is generated by plot.py at 2018-07-03 13:55:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.39 Mbit/s

95th percentile per-packet one-way delay: 3.028 ms

Loss rate: 0.00%

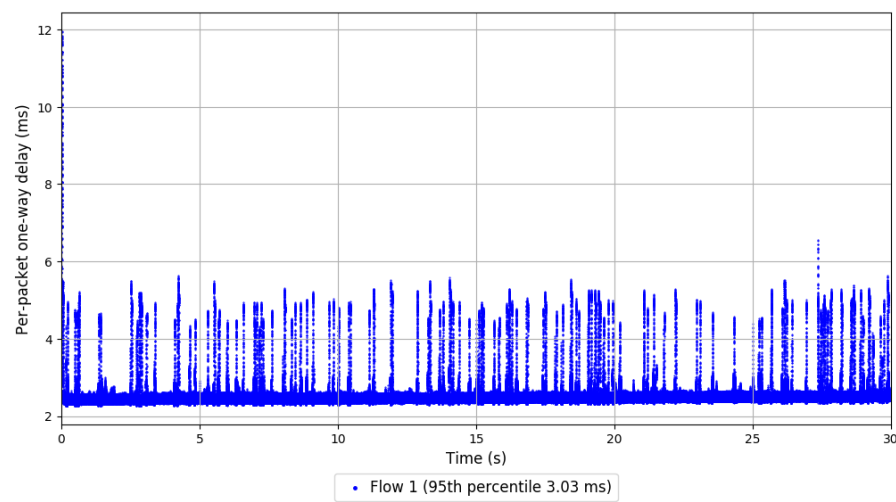
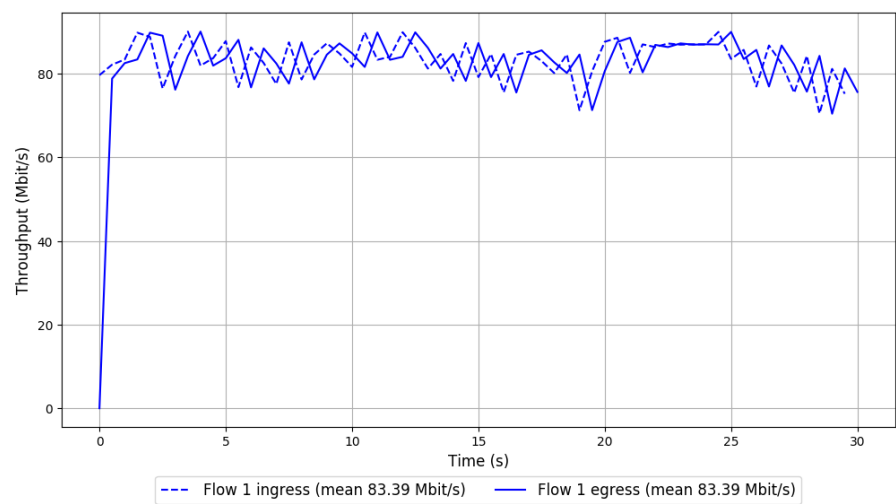
-- Flow 1:

Average throughput: 83.39 Mbit/s

95th percentile per-packet one-way delay: 3.028 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-03 10:45:25

End at: 2018-07-03 10:45:55

Local clock offset: 3.428 ms

Remote clock offset: -6.27 ms

Below is generated by plot.py at 2018-07-03 13:55:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 2.191 ms

Loss rate: 0.00%

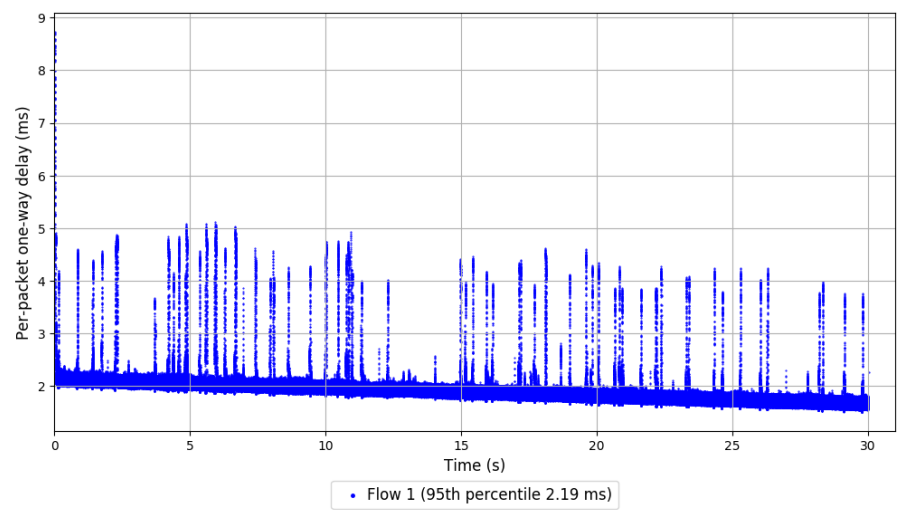
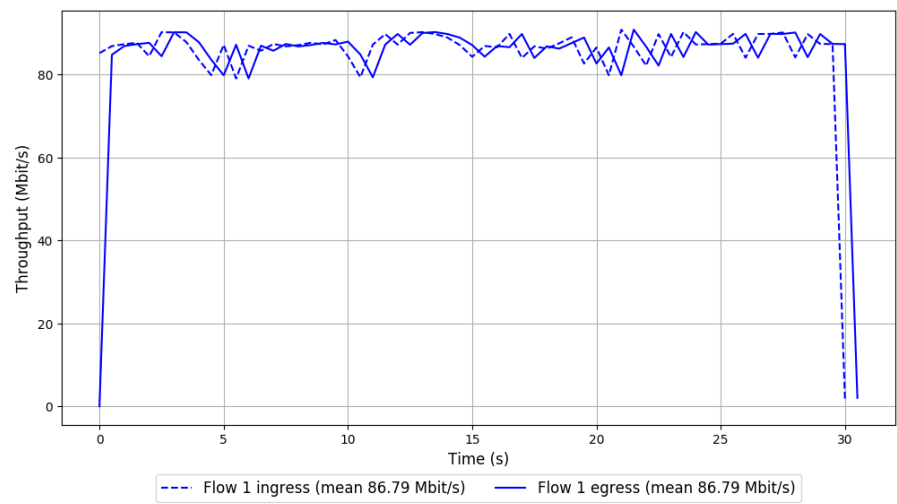
-- Flow 1:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 2.191 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-03 11:04:27

End at: 2018-07-03 11:04:57

Local clock offset: 1.888 ms

Remote clock offset: -0.834 ms

Below is generated by plot.py at 2018-07-03 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 2.541 ms

Loss rate: 0.00%

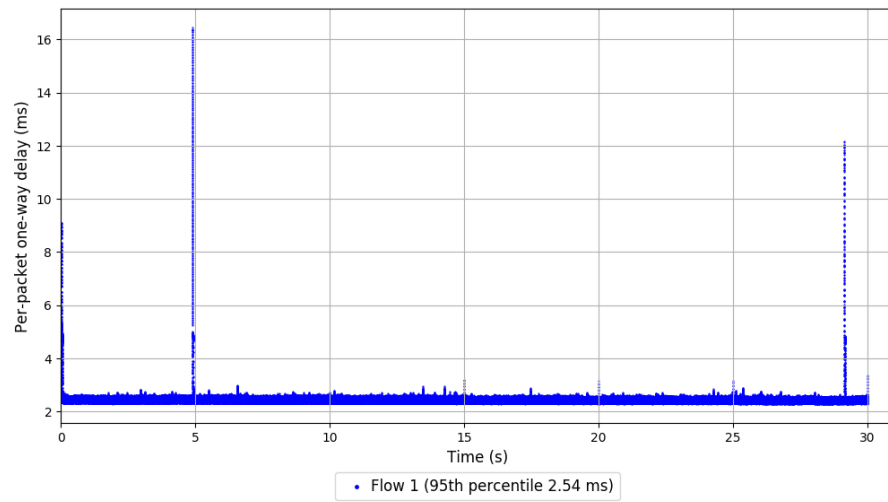
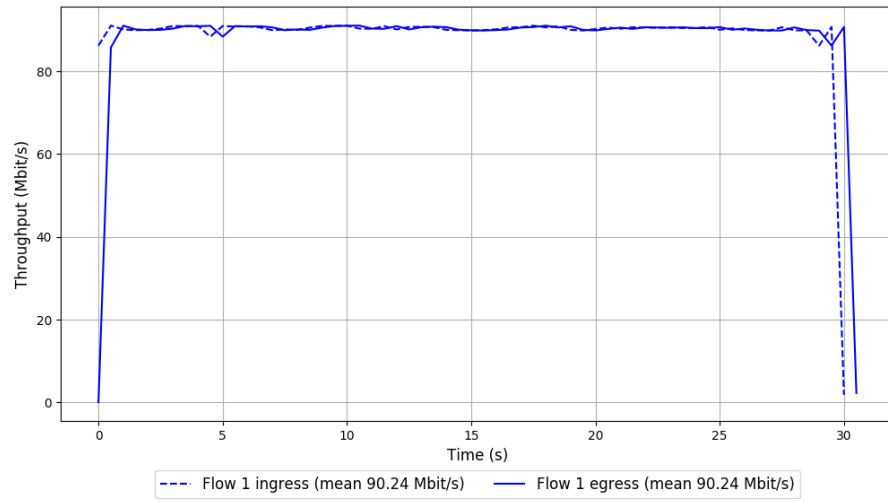
-- Flow 1:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 2.541 ms

Loss rate: 0.00%

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

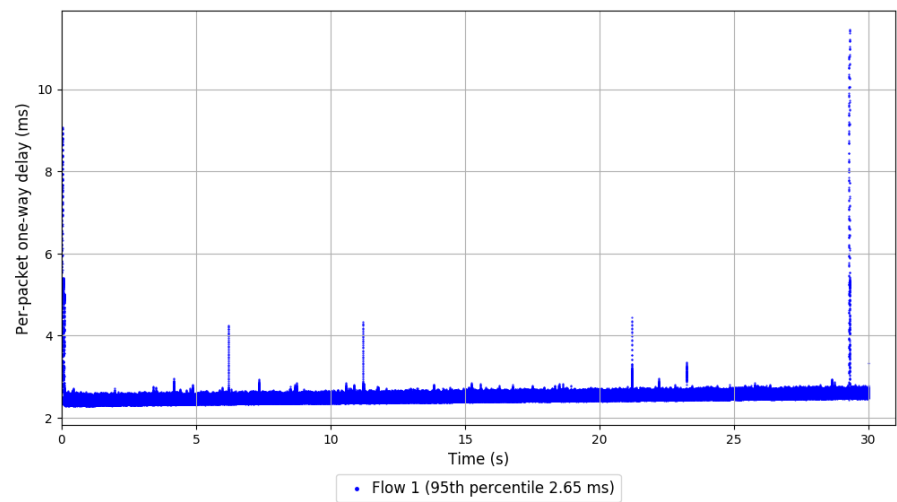
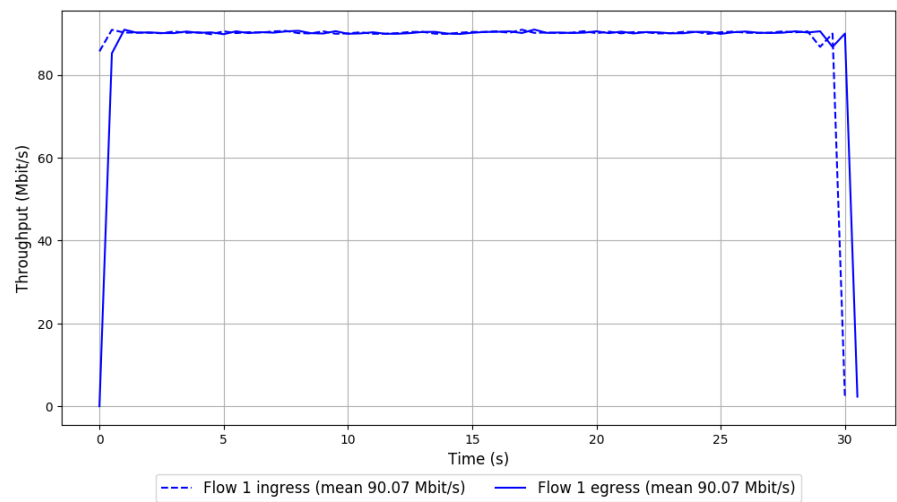


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-03 11:23:30
End at: 2018-07-03 11:24:00
Local clock offset: -0.092 ms
Remote clock offset: -2.907 ms

Below is generated by plot.py at 2018-07-03 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 2.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 2.649 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-03 11:42:32

End at: 2018-07-03 11:43:02

Local clock offset: 0.056 ms

Remote clock offset: -5.915 ms

Below is generated by plot.py at 2018-07-03 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 2.423 ms

Loss rate: 0.00%

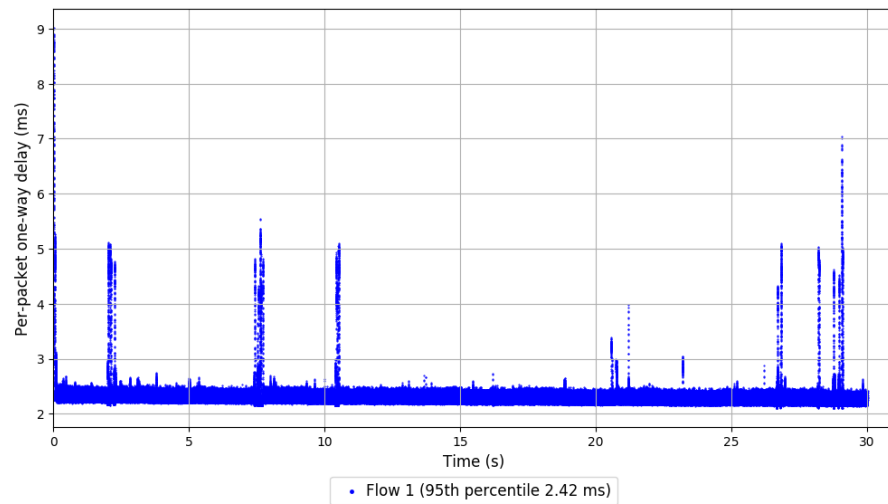
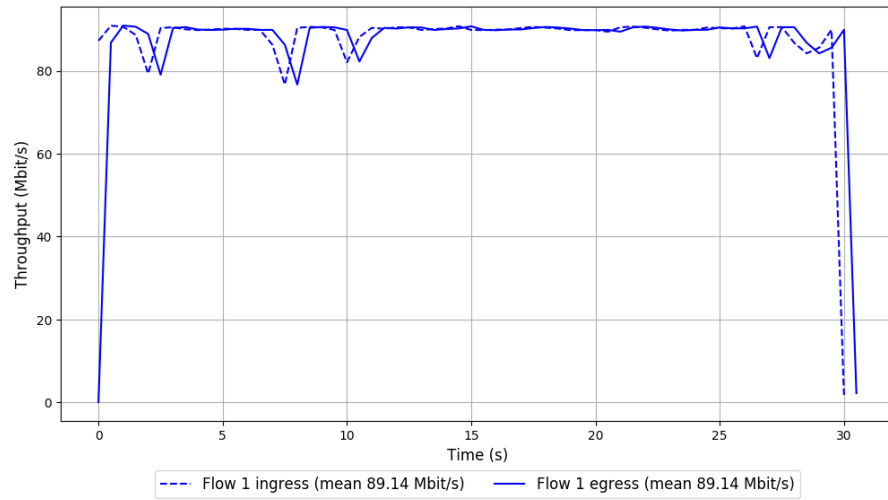
-- Flow 1:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 2.423 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-03 12:01:34

End at: 2018-07-03 12:02:04

Local clock offset: -0.958 ms

Remote clock offset: -2.984 ms

Below is generated by plot.py at 2018-07-03 13:55:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 2.503 ms

Loss rate: 0.00%

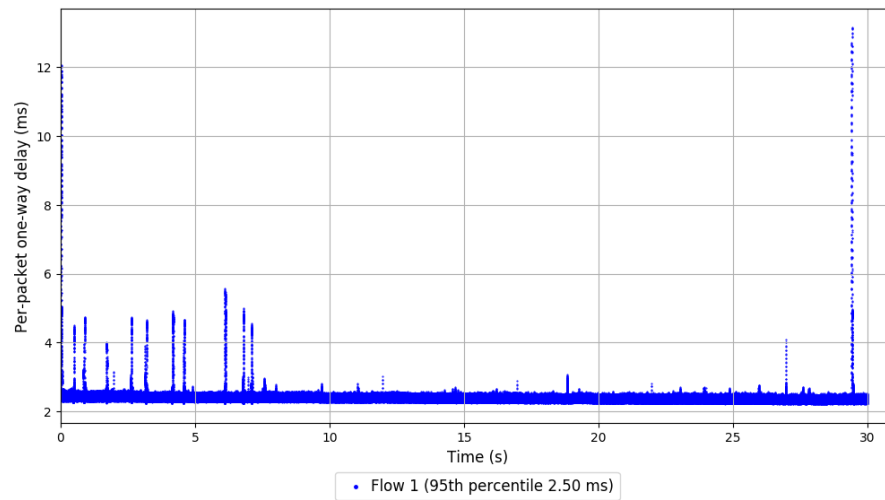
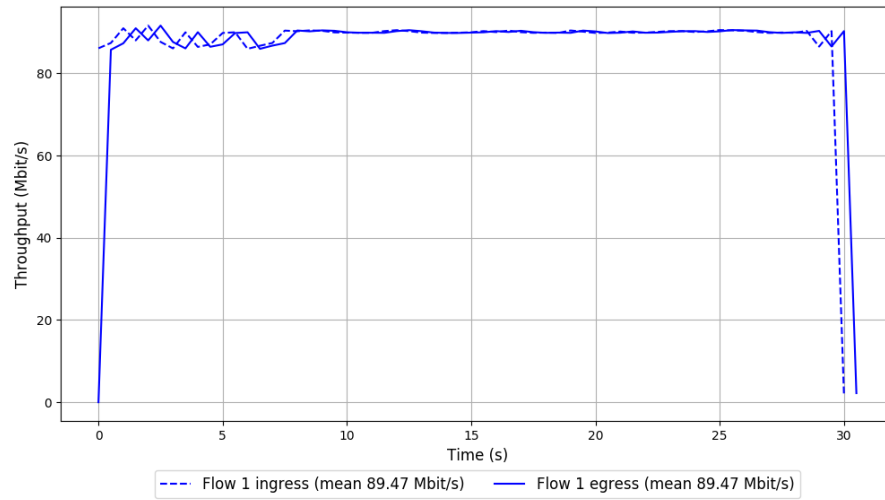
-- Flow 1:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 2.503 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-03 12:20:36

End at: 2018-07-03 12:21:06

Local clock offset: -1.286 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at 2018-07-03 13:55:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 2.448 ms

Loss rate: 0.00%

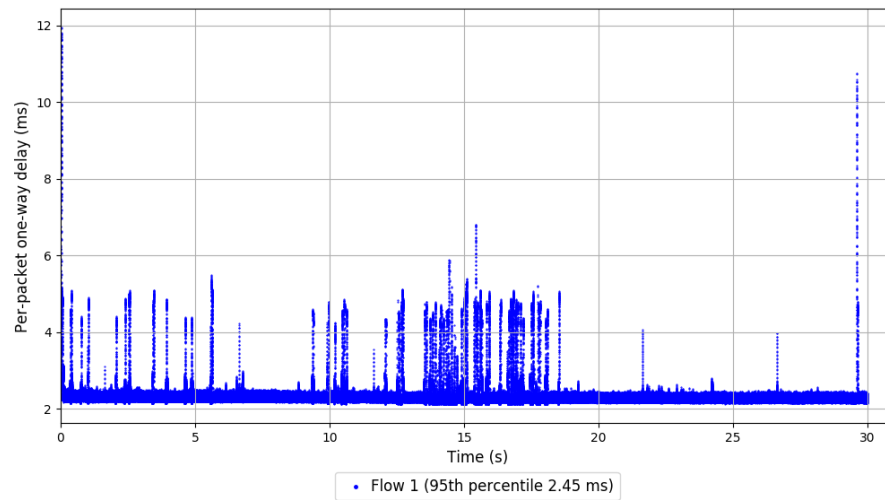
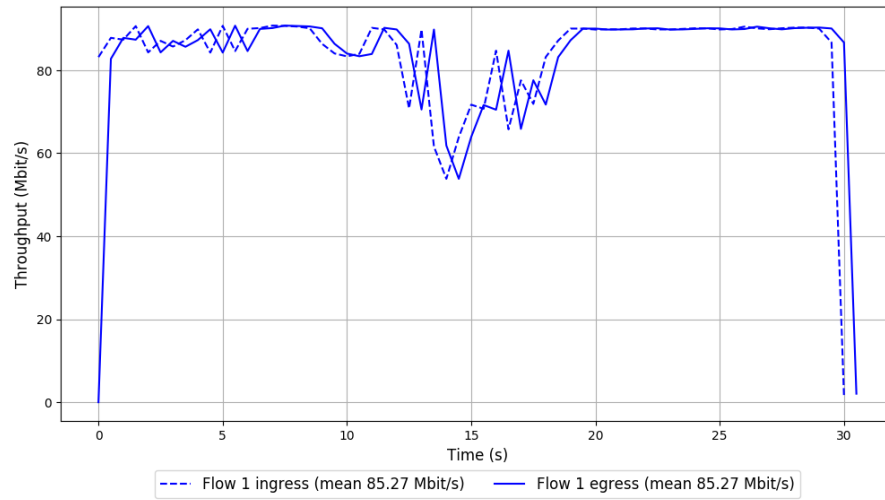
-- Flow 1:

Average throughput: 85.27 Mbit/s

95th percentile per-packet one-way delay: 2.448 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-03 12:39:44

End at: 2018-07-03 12:40:14

Local clock offset: -1.275 ms

Remote clock offset: -1.238 ms

Below is generated by plot.py at 2018-07-03 13:55:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 2.741 ms

Loss rate: 0.00%

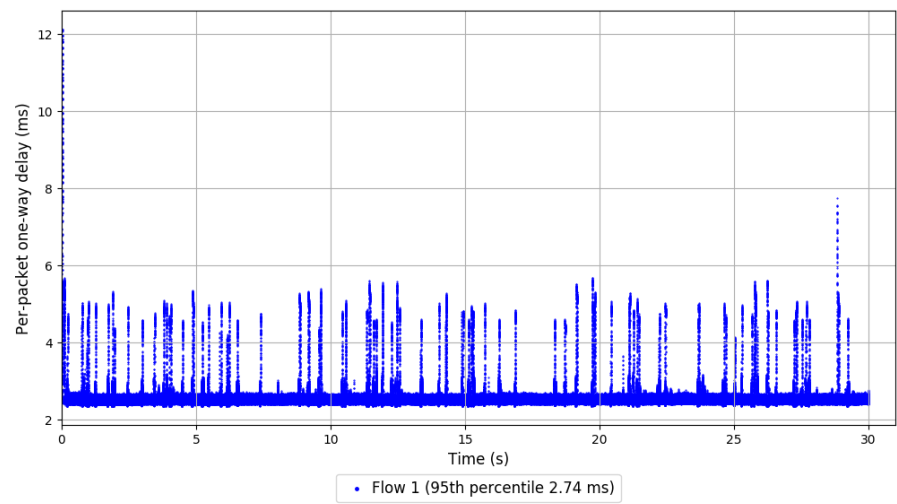
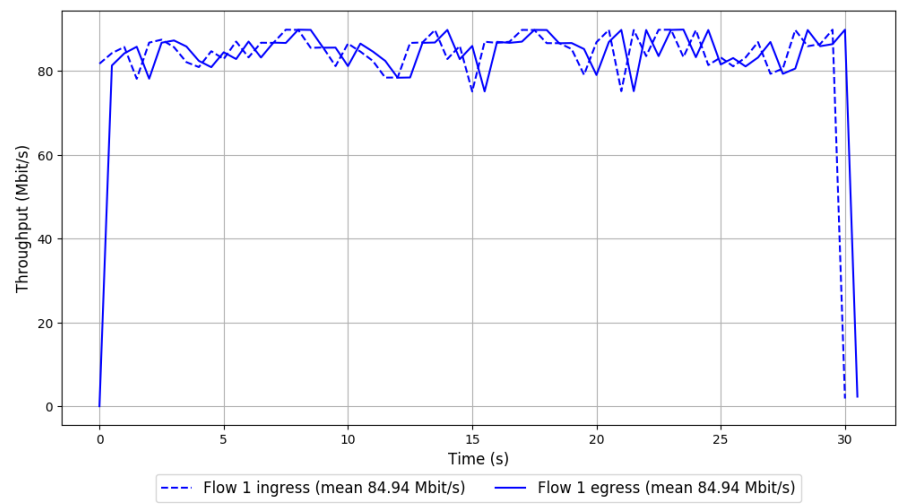
-- Flow 1:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 2.741 ms

Loss rate: 0.00%

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

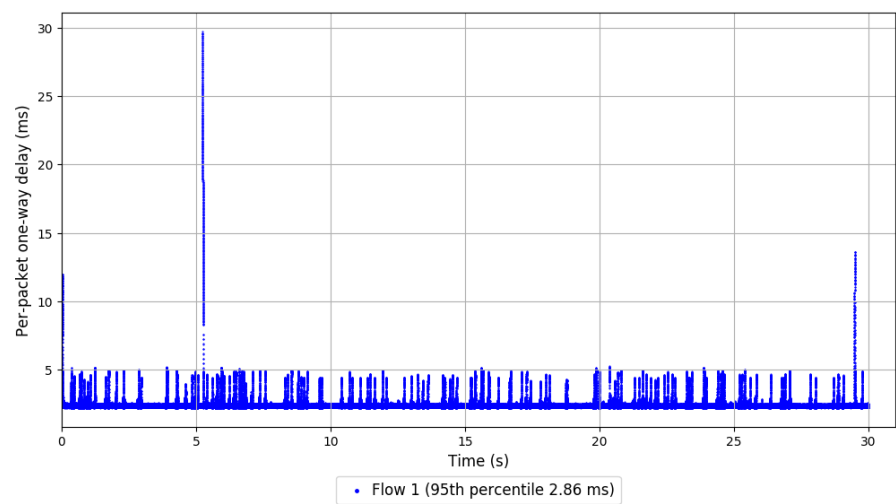
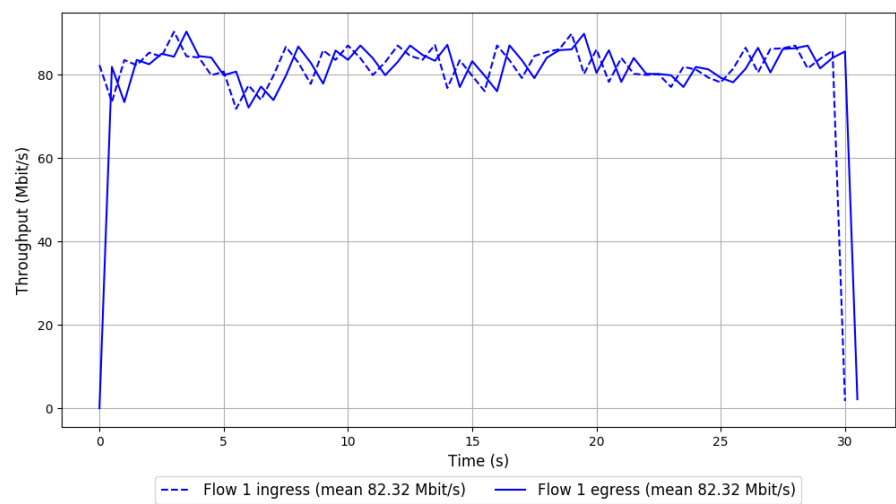


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-03 12:58:46
End at: 2018-07-03 12:59:16
Local clock offset: -1.191 ms
Remote clock offset: -0.952 ms

Below is generated by plot.py at 2018-07-03 13:57:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 2.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 2.856 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-03 13:17:49

End at: 2018-07-03 13:18:19

Local clock offset: -1.511 ms

Remote clock offset: -2.758 ms

Below is generated by plot.py at 2018-07-03 13:57:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 2.629 ms

Loss rate: 0.00%

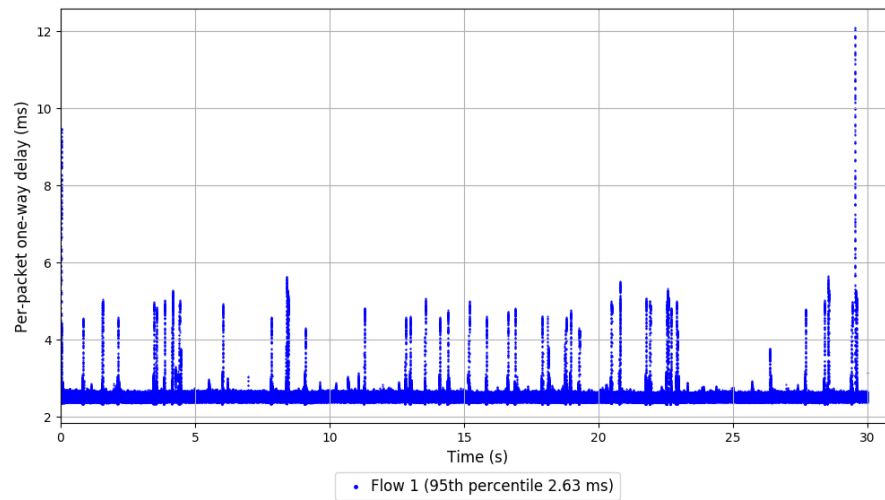
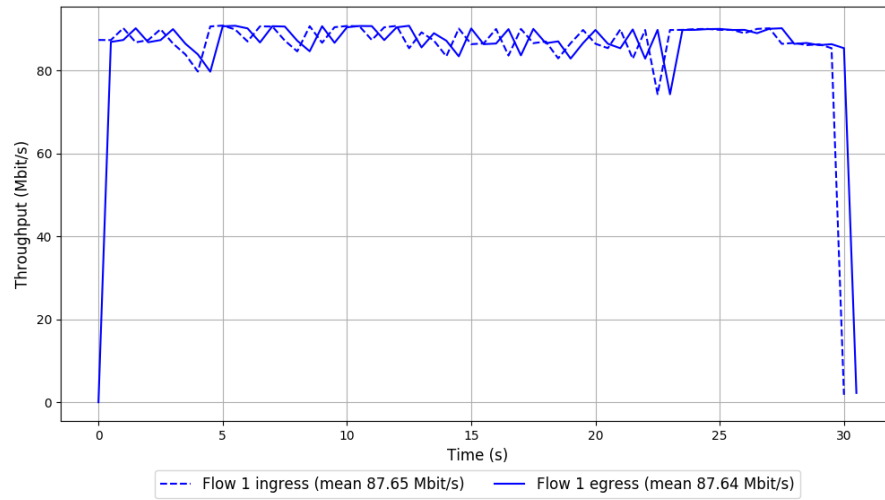
-- Flow 1:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 2.629 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-03 10:38:43

End at: 2018-07-03 10:39:13

Local clock offset: 6.088 ms

Remote clock offset: -7.443 ms

Below is generated by plot.py at 2018-07-03 13:57:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 3.919 ms

Loss rate: 0.00%

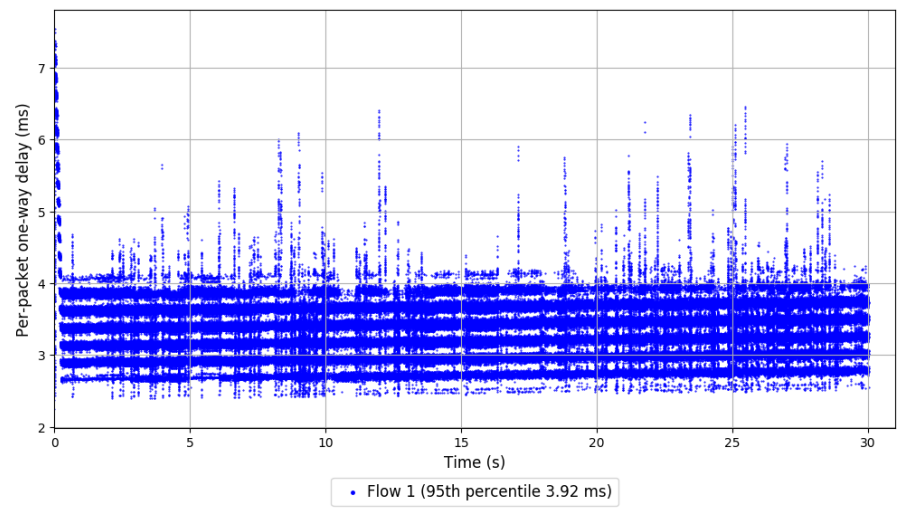
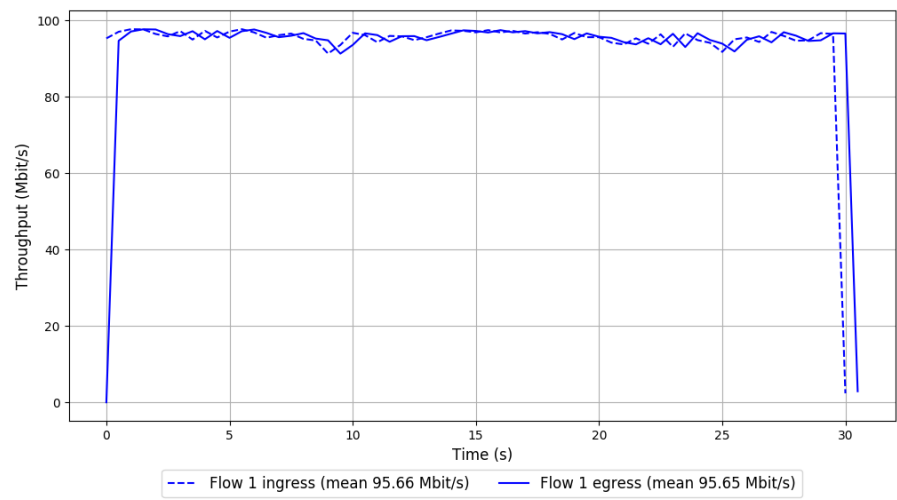
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 3.919 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

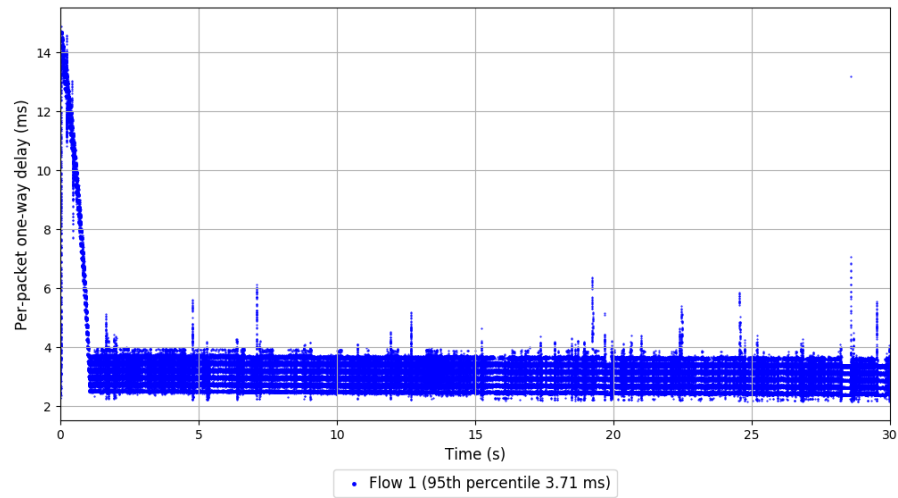
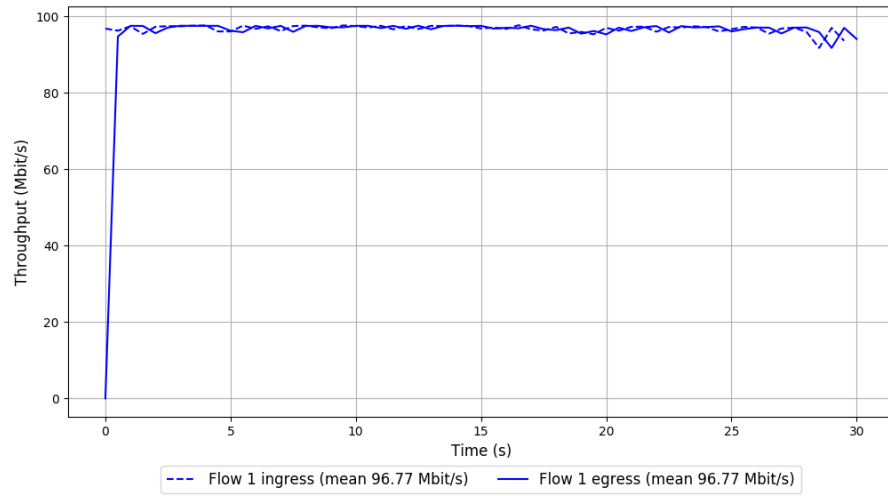


Run 2: Statistics of TCP Vegas

Start at: 2018-07-03 10:57:45
End at: 2018-07-03 10:58:15
Local clock offset: 1.569 ms
Remote clock offset: -1.925 ms

Below is generated by plot.py at 2018-07-03 13:57:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 3.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 3.708 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-03 11:16:47

End at: 2018-07-03 11:17:17

Local clock offset: 0.617 ms

Remote clock offset: 0.665 ms

Below is generated by plot.py at 2018-07-03 13:57:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 5.621 ms

Loss rate: 0.00%

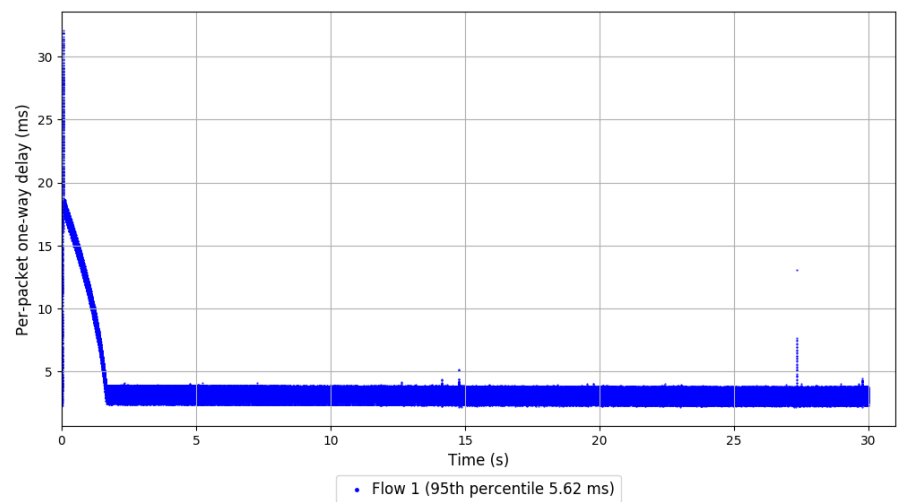
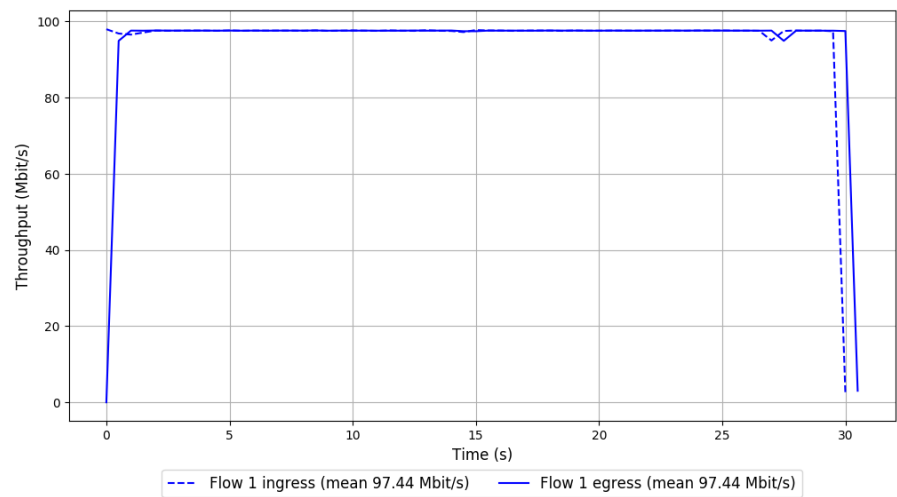
-- Flow 1:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 5.621 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

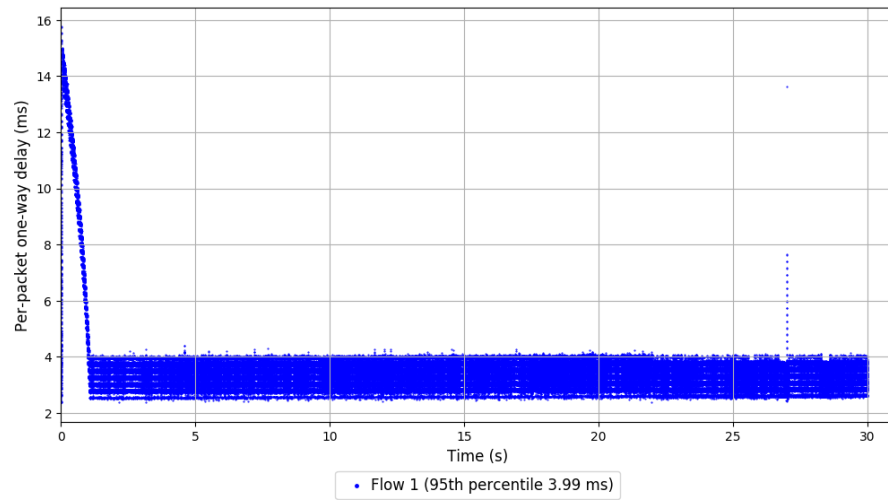
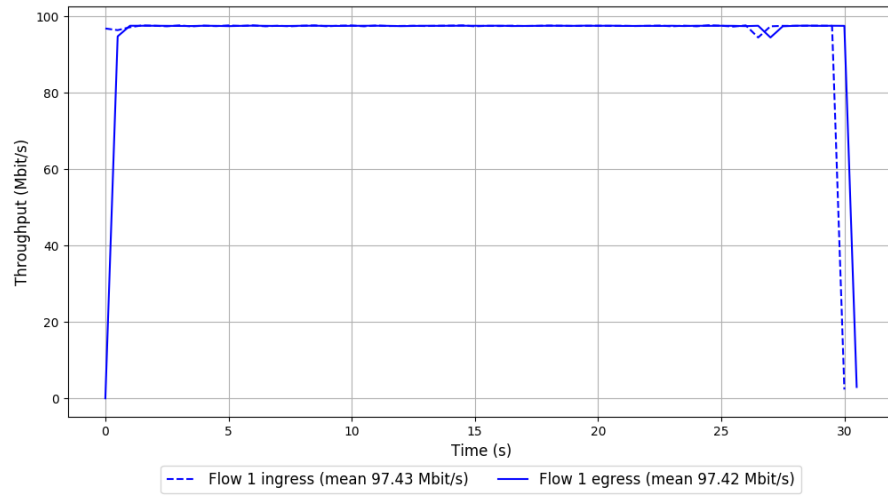


Run 4: Statistics of TCP Vegas

Start at: 2018-07-03 11:35:50
End at: 2018-07-03 11:36:20
Local clock offset: 0.154 ms
Remote clock offset: -5.492 ms

Below is generated by plot.py at 2018-07-03 13:57:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.993 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-03 11:54:52

End at: 2018-07-03 11:55:22

Local clock offset: -1.0 ms

Remote clock offset: -4.772 ms

Below is generated by plot.py at 2018-07-03 13:57:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 3.605 ms

Loss rate: 0.00%

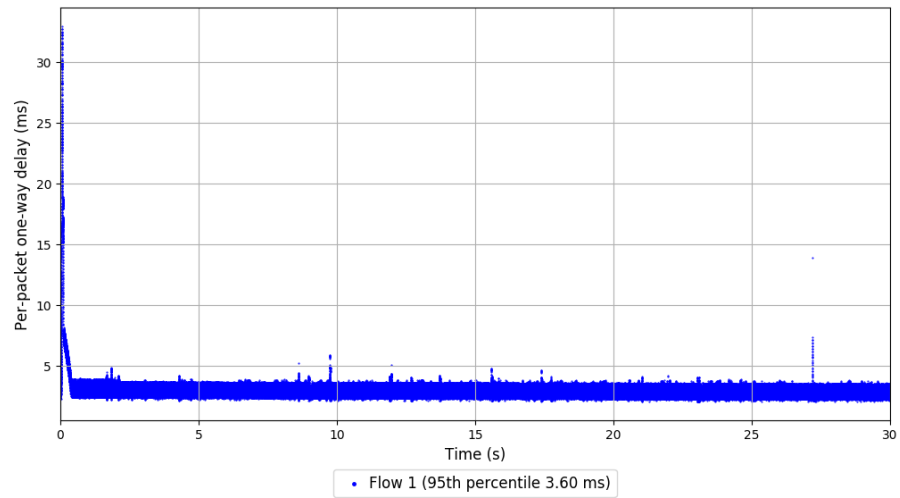
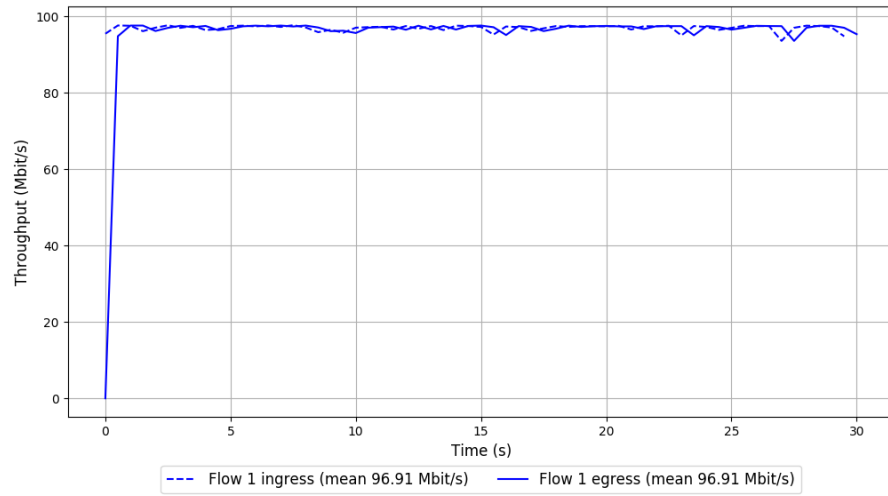
-- Flow 1:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 3.605 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

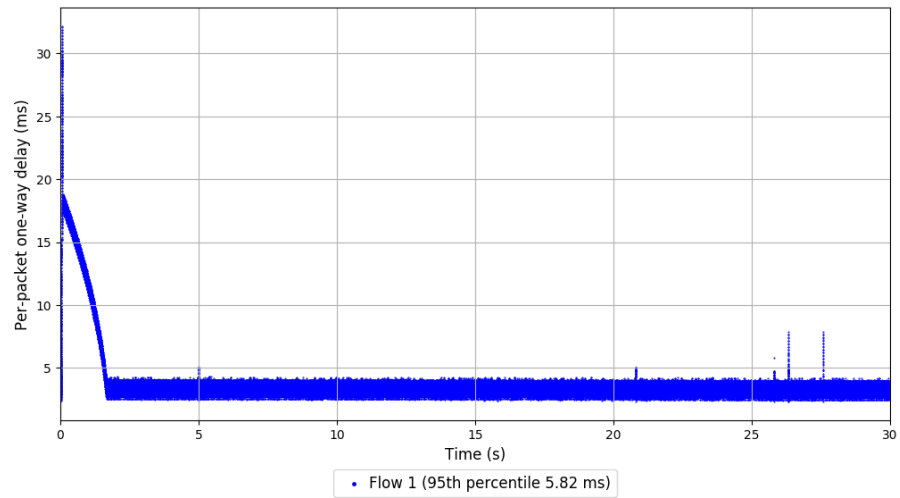
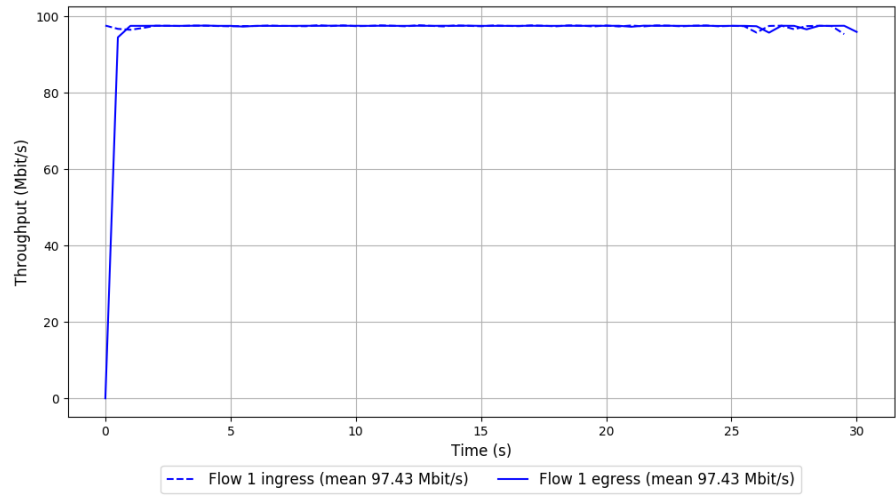


Run 6: Statistics of TCP Vegas

Start at: 2018-07-03 12:13:54
End at: 2018-07-03 12:14:24
Local clock offset: -1.042 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-03 13:57:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.815 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

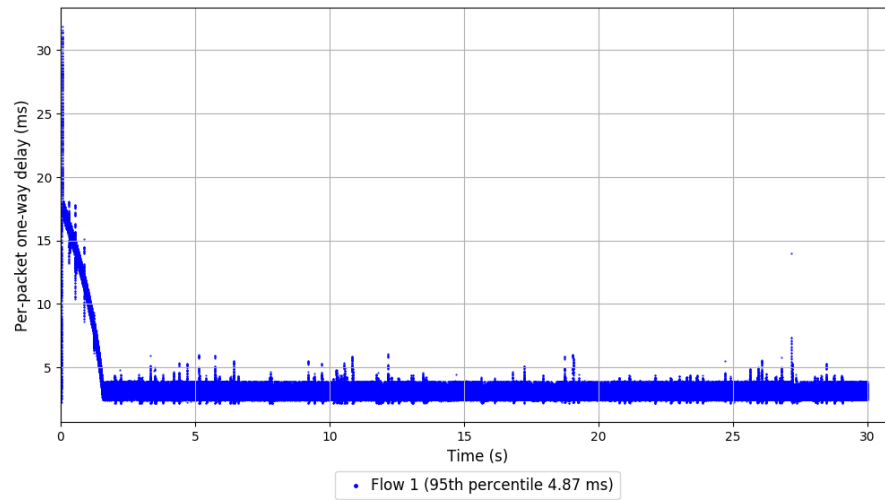
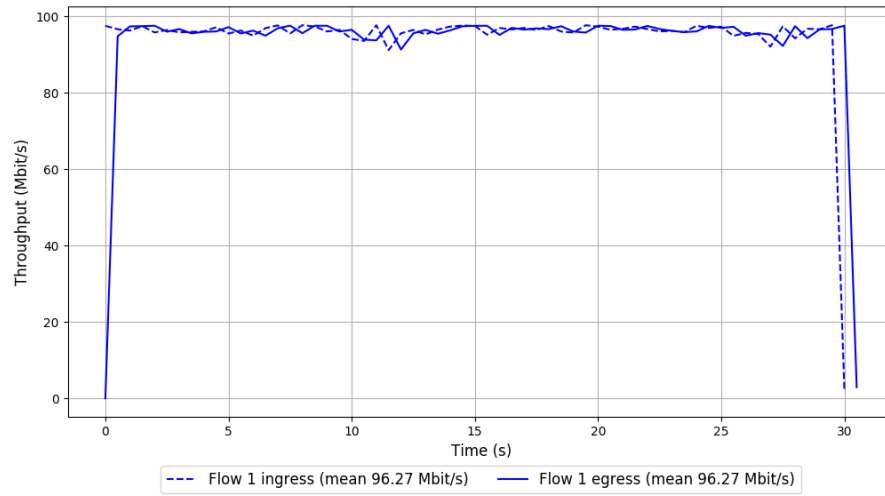


Run 7: Statistics of TCP Vegas

Start at: 2018-07-03 12:33:01
End at: 2018-07-03 12:33:31
Local clock offset: -1.302 ms
Remote clock offset: -1.227 ms

Below is generated by plot.py at 2018-07-03 13:57:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 4.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 4.869 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

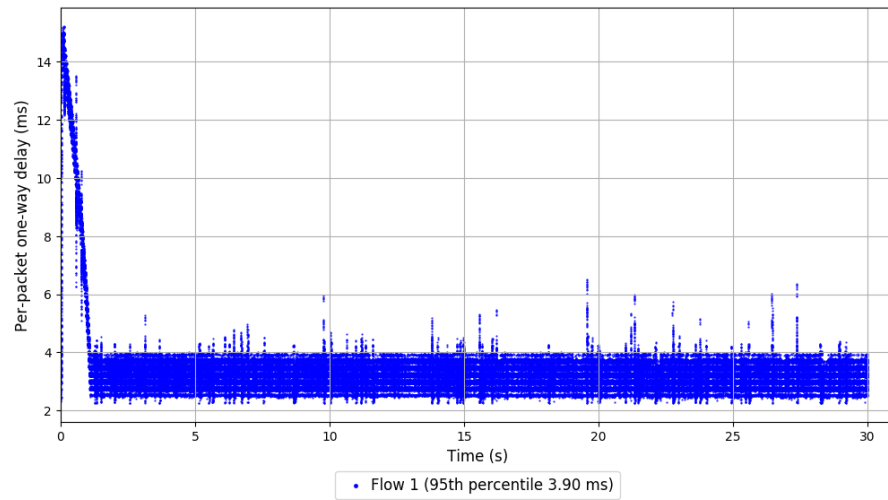
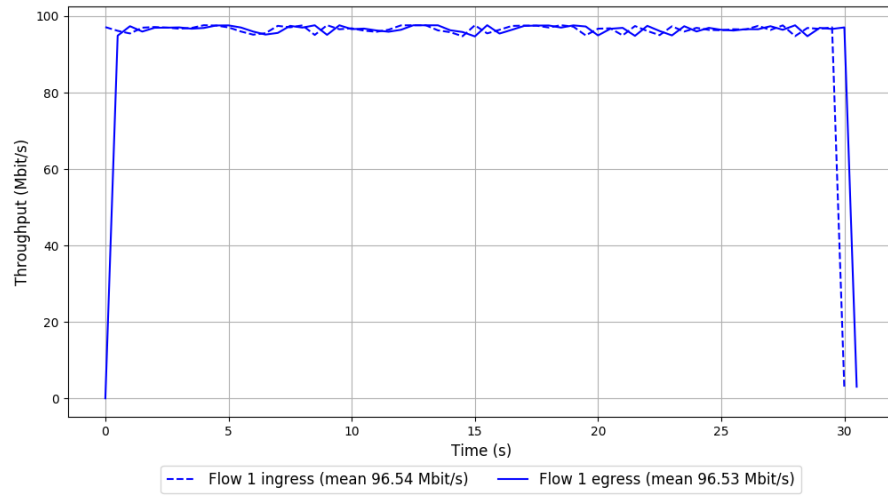


Run 8: Statistics of TCP Vegas

Start at: 2018-07-03 12:52:04
End at: 2018-07-03 12:52:34
Local clock offset: -1.269 ms
Remote clock offset: -1.068 ms

Below is generated by plot.py at 2018-07-03 13:57:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 3.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 3.904 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

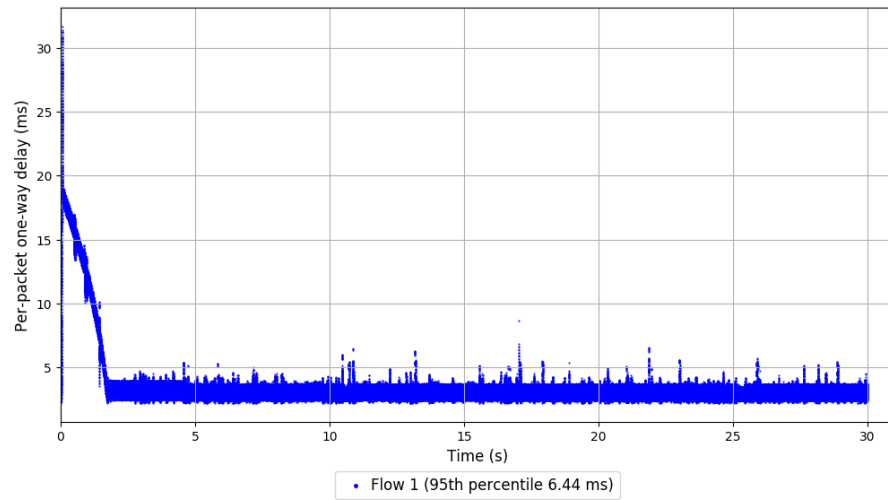
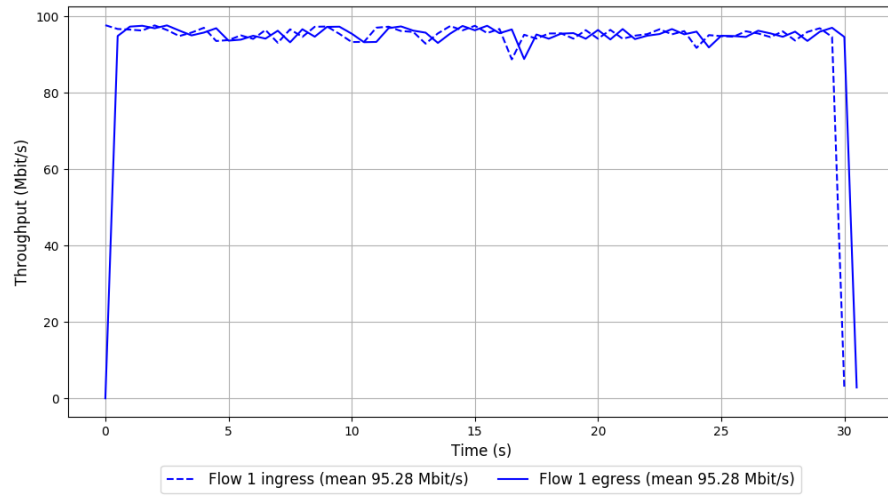


Run 9: Statistics of TCP Vegas

Start at: 2018-07-03 13:11:06
End at: 2018-07-03 13:11:36
Local clock offset: -1.038 ms
Remote clock offset: -2.408 ms

Below is generated by plot.py at 2018-07-03 13:57:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 6.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 6.440 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

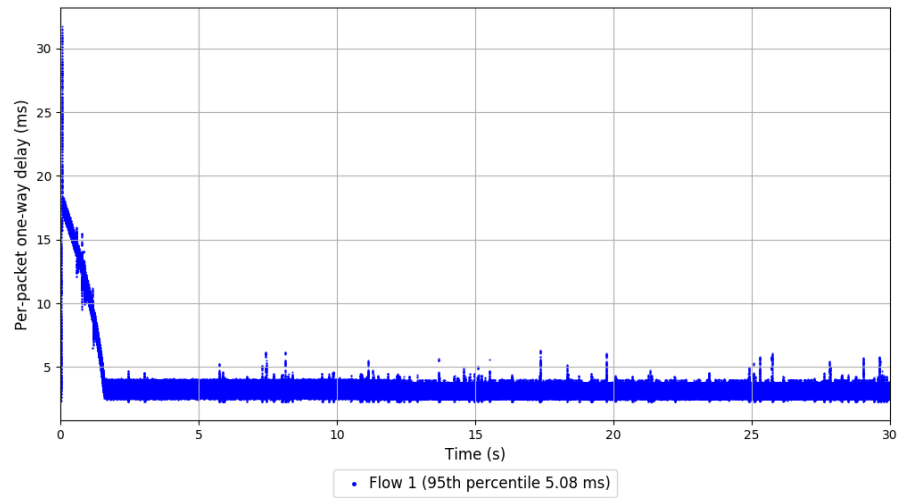
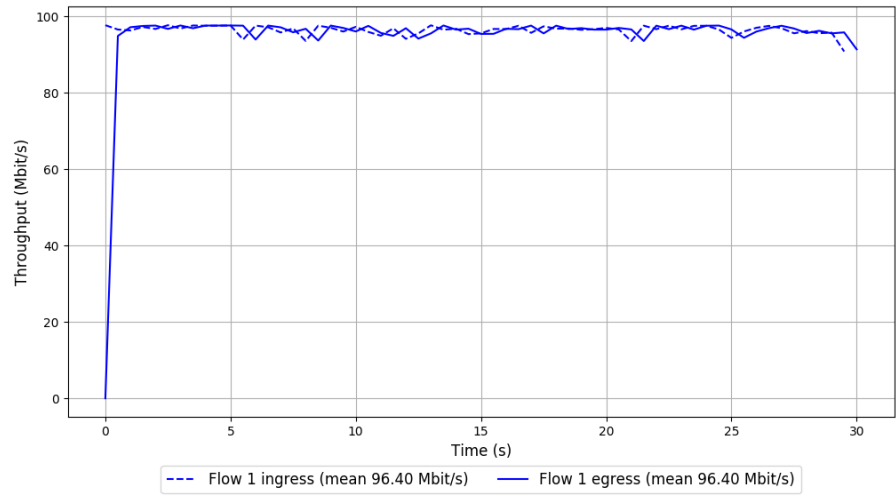


Run 10: Statistics of TCP Vegas

Start at: 2018-07-03 13:30:09
End at: 2018-07-03 13:30:39
Local clock offset: -1.534 ms
Remote clock offset: -3.045 ms

Below is generated by plot.py at 2018-07-03 13:57:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 5.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 5.083 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

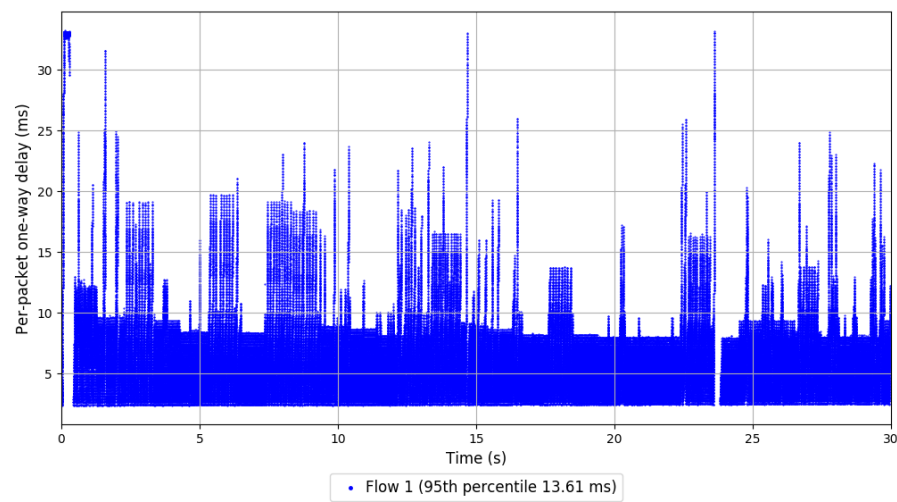
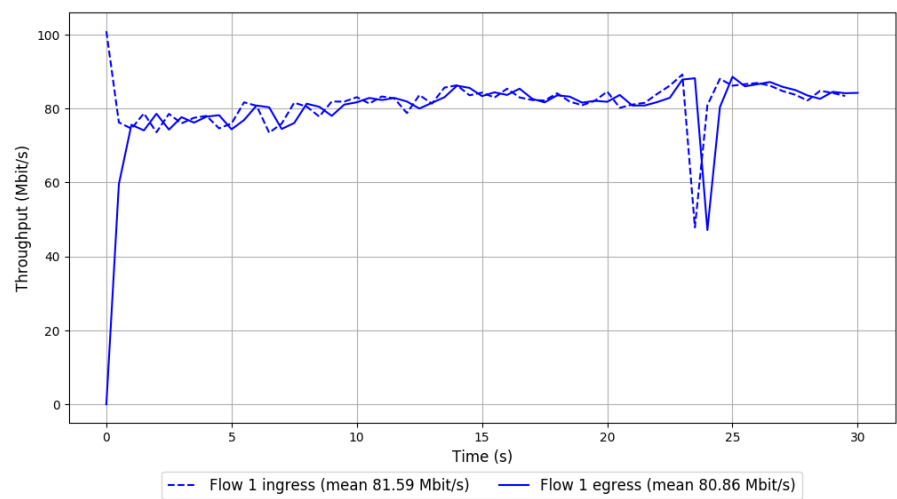


Run 1: Statistics of Verus

Start at: 2018-07-03 10:31:59
End at: 2018-07-03 10:32:29
Local clock offset: 4.45 ms
Remote clock offset: -7.428 ms

Below is generated by plot.py at 2018-07-03 13:57:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 13.610 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 13.610 ms
Loss rate: 0.87%

Run 1: Report of Verus — Data Link

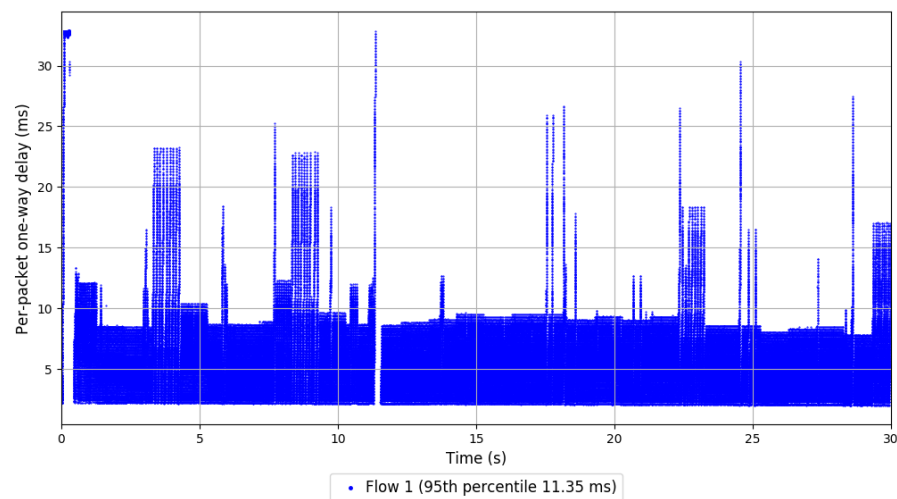
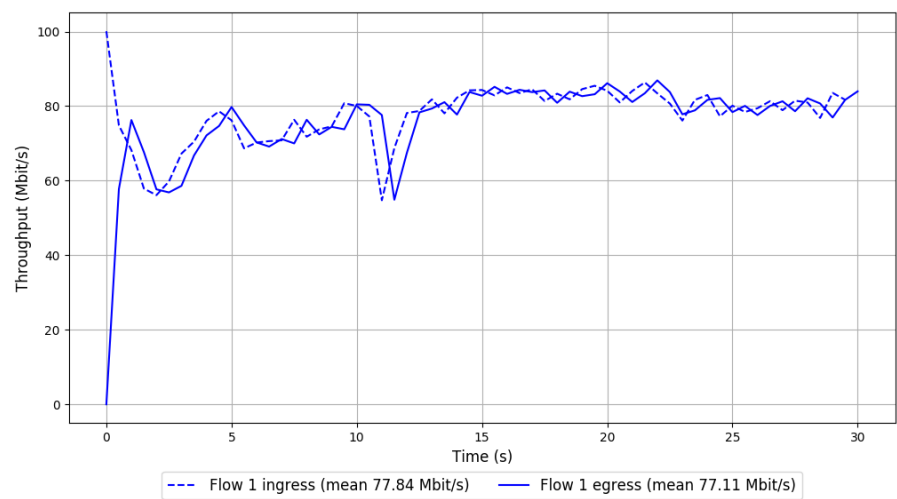


Run 2: Statistics of Verus

Start at: 2018-07-03 10:51:02
End at: 2018-07-03 10:51:32
Local clock offset: 1.877 ms
Remote clock offset: -3.729 ms

Below is generated by plot.py at 2018-07-03 13:57:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.11 Mbit/s
95th percentile per-packet one-way delay: 11.348 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 77.11 Mbit/s
95th percentile per-packet one-way delay: 11.348 ms
Loss rate: 0.89%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-03 11:10:04

End at: 2018-07-03 11:10:34

Local clock offset: 2.517 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-03 13:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.00 Mbit/s

95th percentile per-packet one-way delay: 8.688 ms

Loss rate: 0.96%

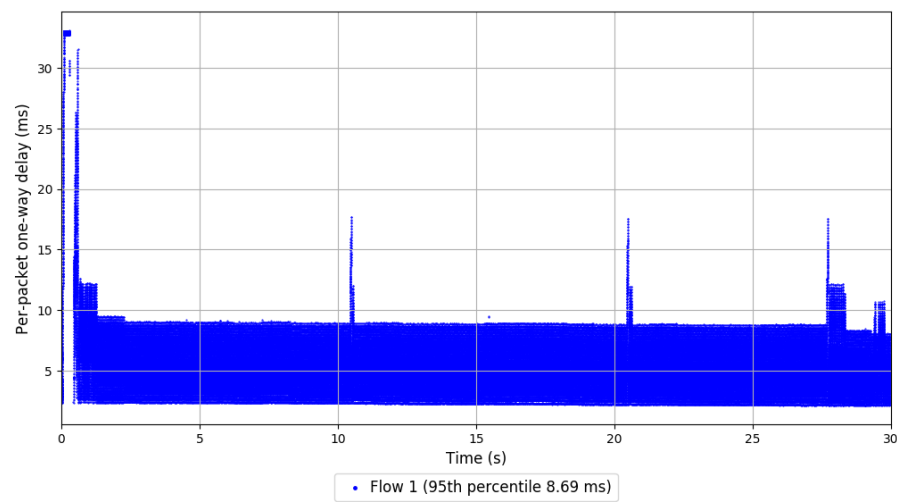
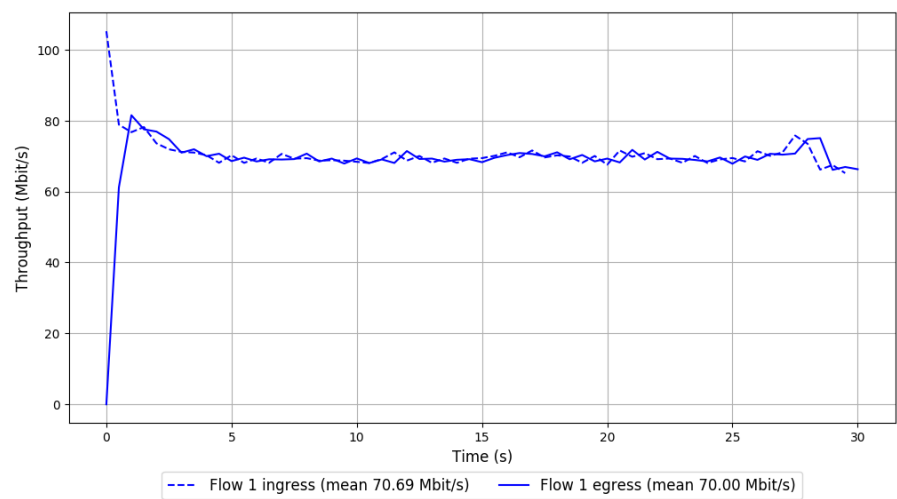
-- Flow 1:

Average throughput: 70.00 Mbit/s

95th percentile per-packet one-way delay: 8.688 ms

Loss rate: 0.96%

Run 3: Report of Verus — Data Link

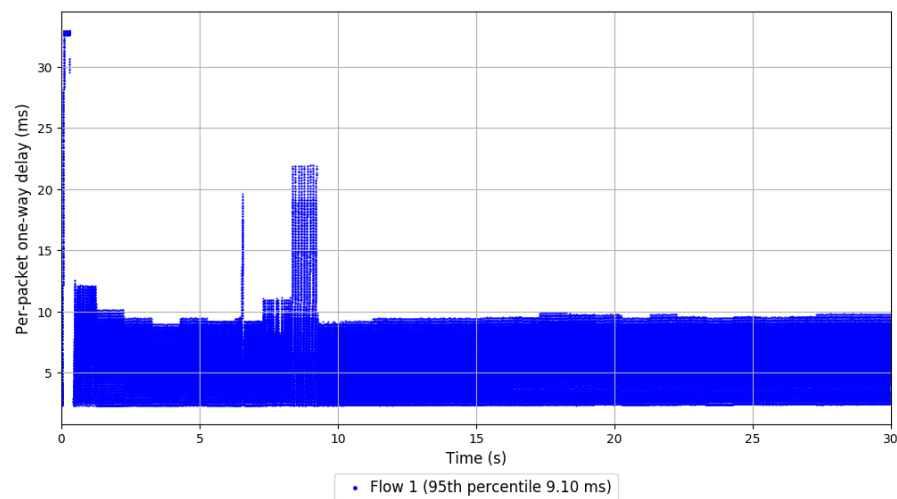
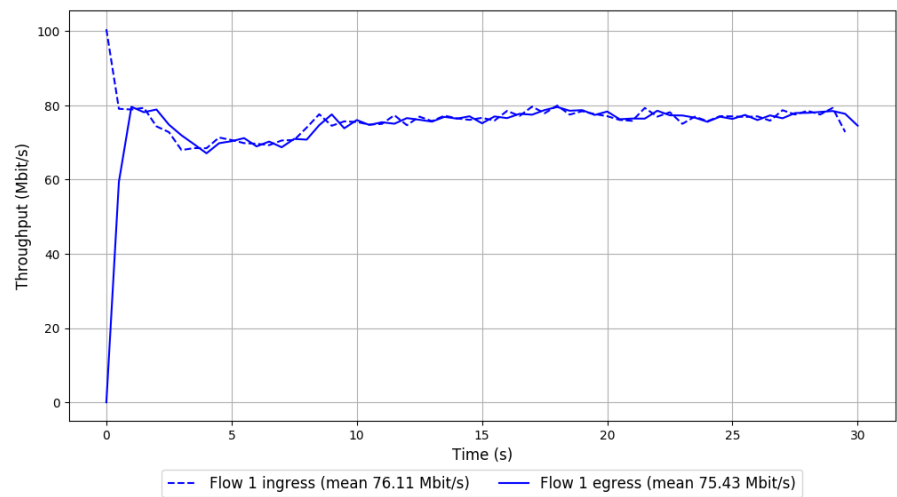


Run 4: Statistics of Verus

Start at: 2018-07-03 11:29:06
End at: 2018-07-03 11:29:36
Local clock offset: -0.127 ms
Remote clock offset: -4.534 ms

Below is generated by plot.py at 2018-07-03 13:58:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 9.099 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 9.099 ms
Loss rate: 0.89%

Run 4: Report of Verus — Data Link

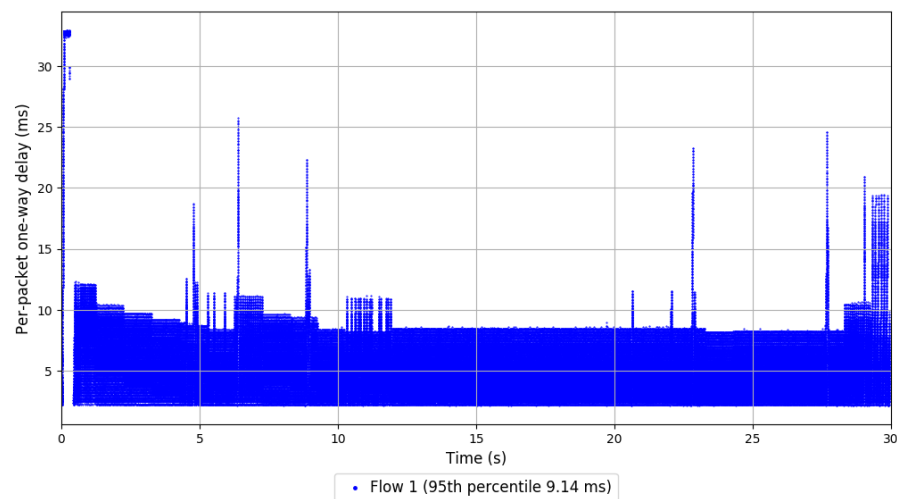
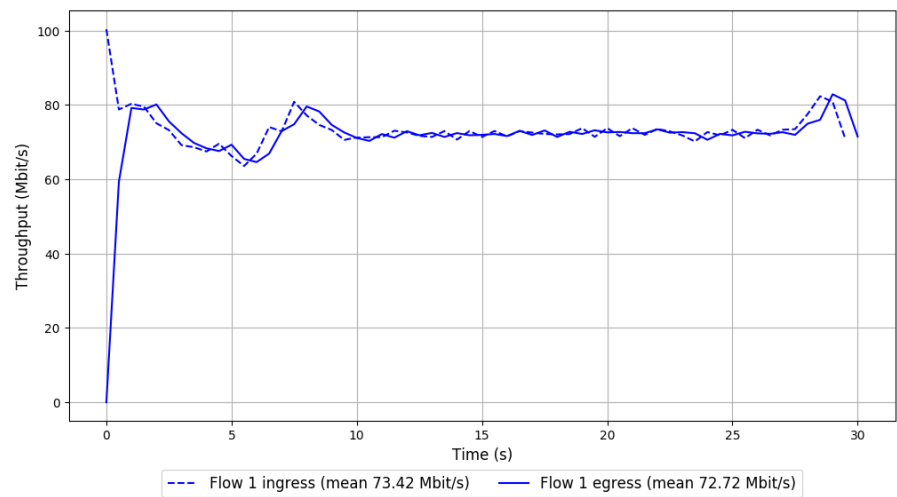


Run 5: Statistics of Verus

Start at: 2018-07-03 11:48:09
End at: 2018-07-03 11:48:39
Local clock offset: -0.672 ms
Remote clock offset: -6.182 ms

Below is generated by plot.py at 2018-07-03 13:58:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.72 Mbit/s
95th percentile per-packet one-way delay: 9.140 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 72.72 Mbit/s
95th percentile per-packet one-way delay: 9.140 ms
Loss rate: 0.93%

Run 5: Report of Verus — Data Link

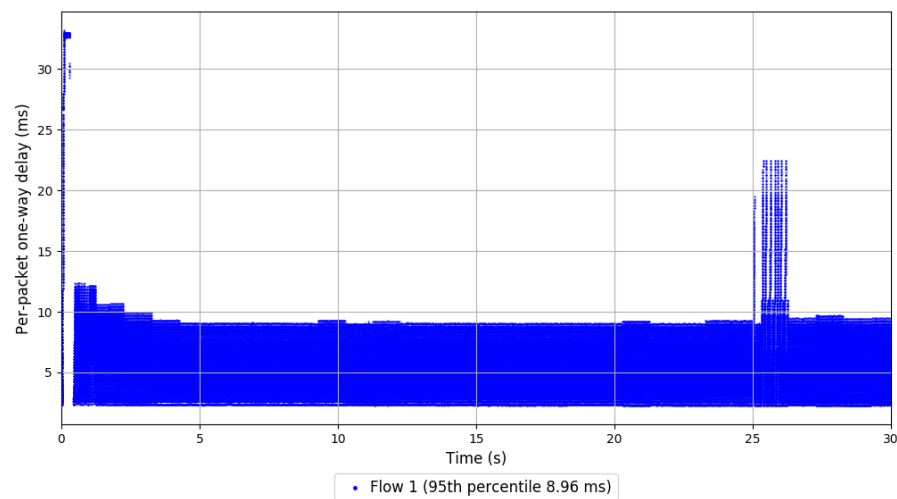
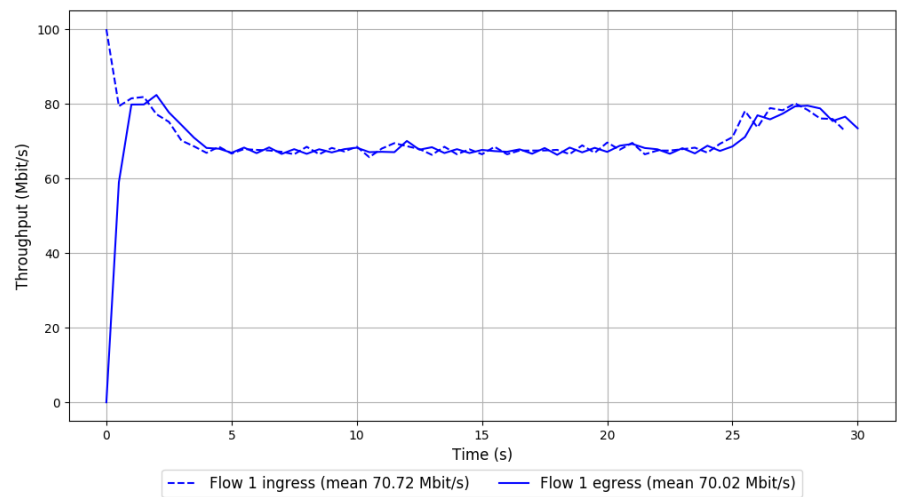


Run 6: Statistics of Verus

Start at: 2018-07-03 12:07:11
End at: 2018-07-03 12:07:41
Local clock offset: -0.806 ms
Remote clock offset: -2.097 ms

Below is generated by plot.py at 2018-07-03 13:58:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 8.963 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 8.963 ms
Loss rate: 0.96%

Run 6: Report of Verus — Data Link

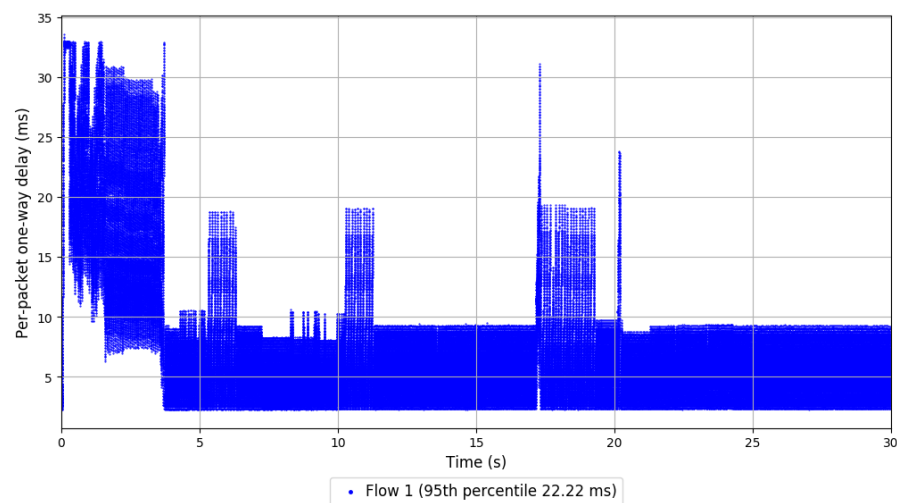
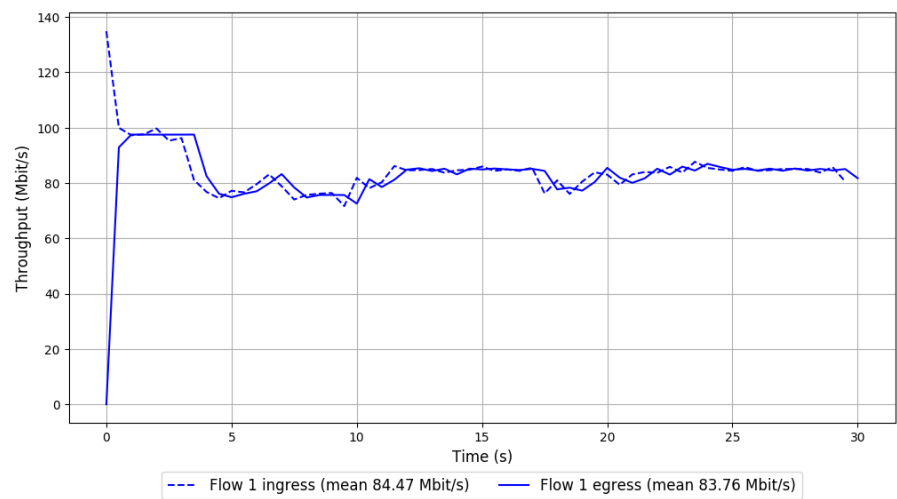


Run 7: Statistics of Verus

Start at: 2018-07-03 12:26:17
End at: 2018-07-03 12:26:47
Local clock offset: -1.363 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2018-07-03 13:58:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 22.219 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 22.219 ms
Loss rate: 0.82%

Run 7: Report of Verus — Data Link

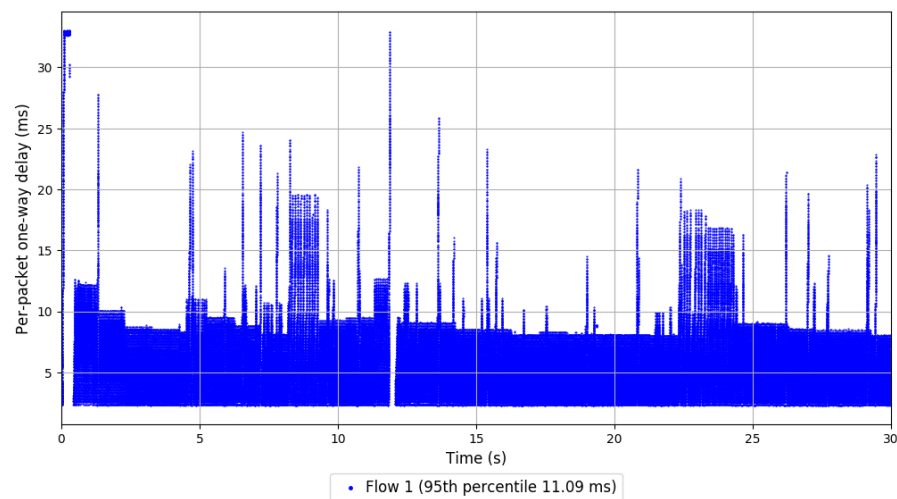
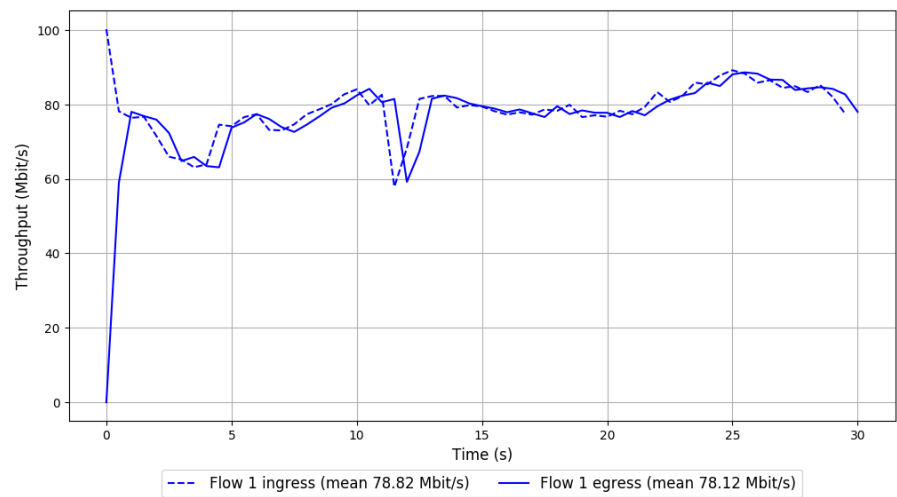


Run 8: Statistics of Verus

Start at: 2018-07-03 12:45:21
End at: 2018-07-03 12:45:51
Local clock offset: -1.275 ms
Remote clock offset: -1.179 ms

Below is generated by plot.py at 2018-07-03 13:58:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 11.094 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 11.094 ms
Loss rate: 0.87%

Run 8: Report of Verus — Data Link

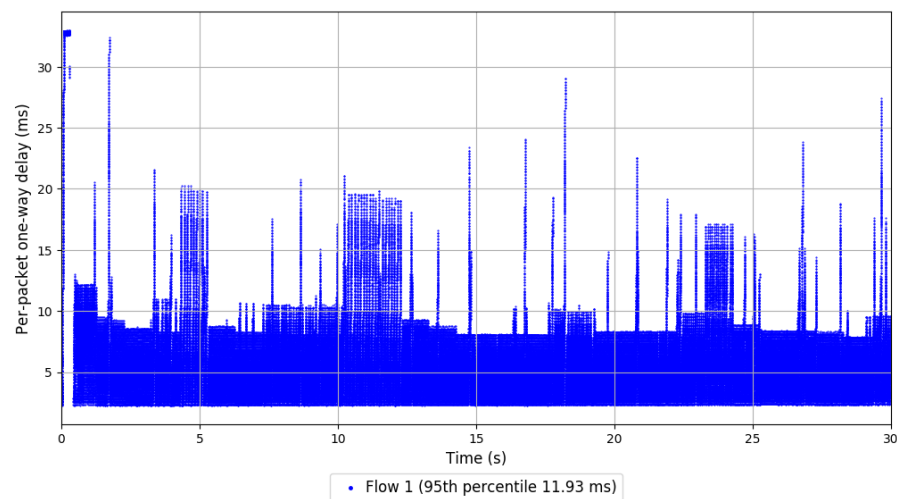
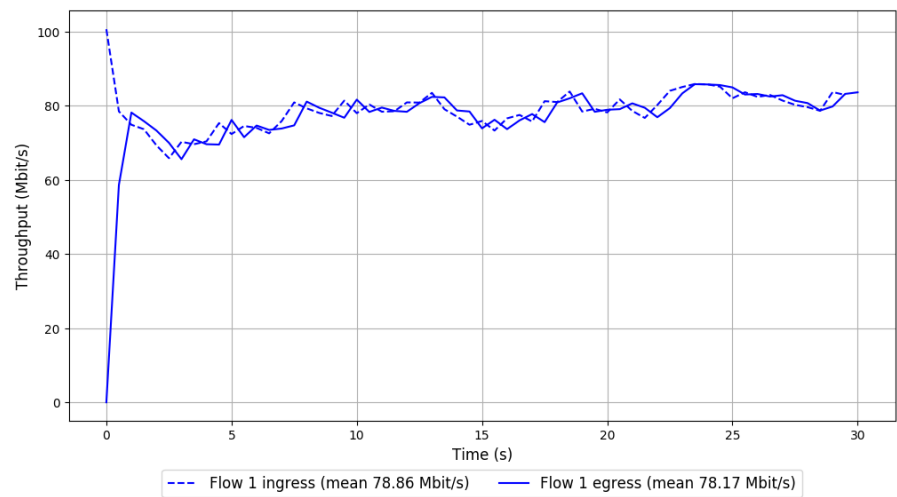


Run 9: Statistics of Verus

Start at: 2018-07-03 13:04:23
End at: 2018-07-03 13:04:53
Local clock offset: -1.099 ms
Remote clock offset: -1.763 ms

Below is generated by plot.py at 2018-07-03 13:58:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 11.926 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 11.926 ms
Loss rate: 0.86%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-03 13:23:25

End at: 2018-07-03 13:23:55

Local clock offset: -1.53 ms

Remote clock offset: -2.918 ms

Below is generated by plot.py at 2018-07-03 13:58:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 12.963 ms

Loss rate: 0.84%

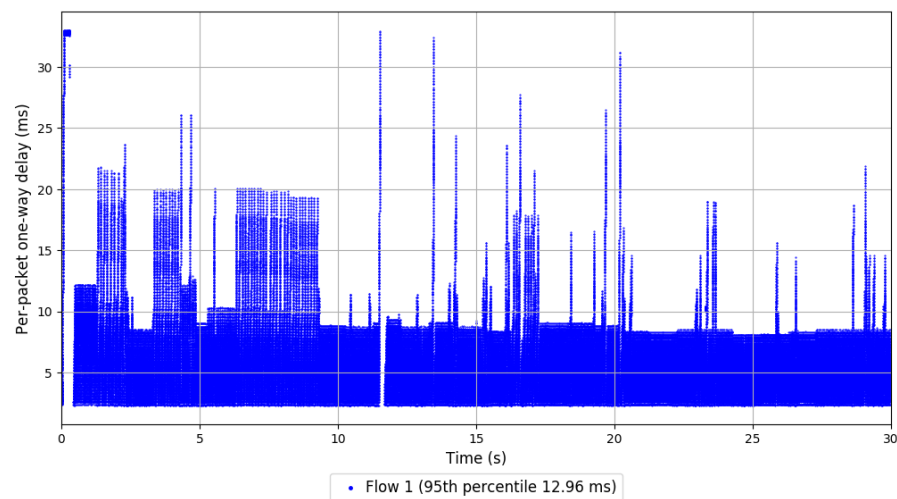
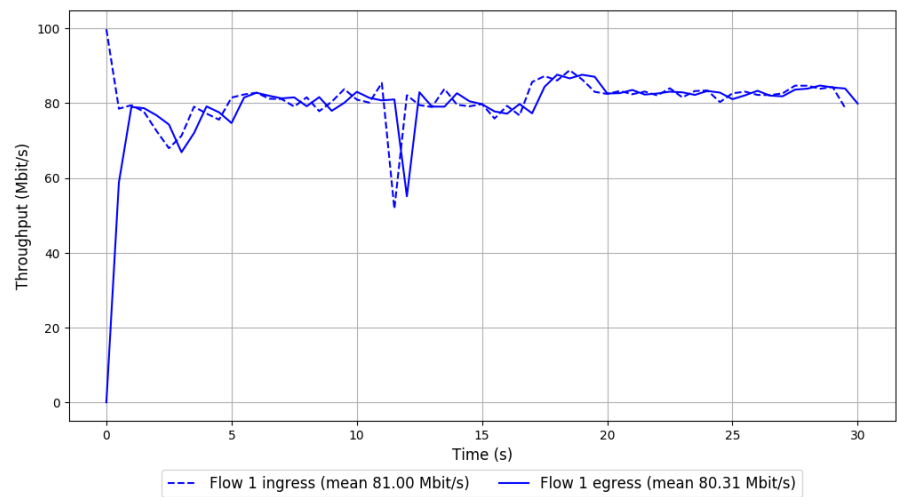
-- Flow 1:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 12.963 ms

Loss rate: 0.84%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-03 10:36:25

End at: 2018-07-03 10:36:55

Local clock offset: 5.45 ms

Remote clock offset: -7.421 ms

Below is generated by plot.py at 2018-07-03 13:59:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 3.108 ms

Loss rate: 0.00%

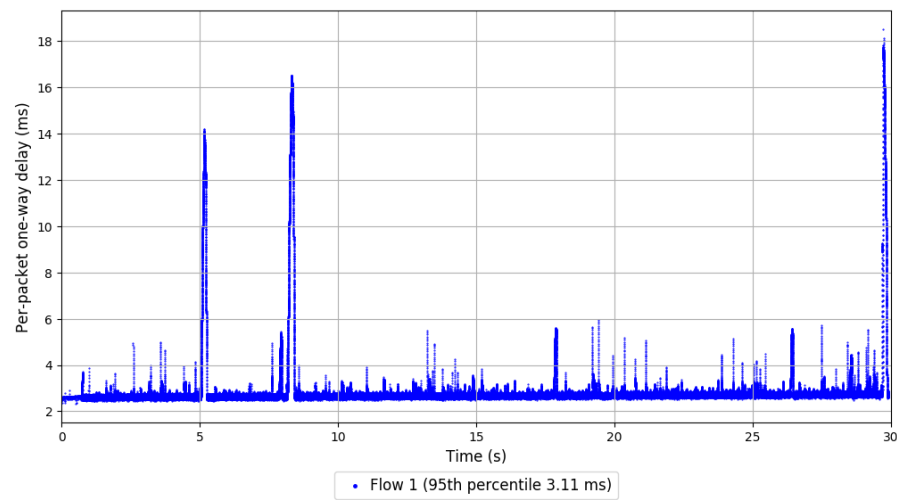
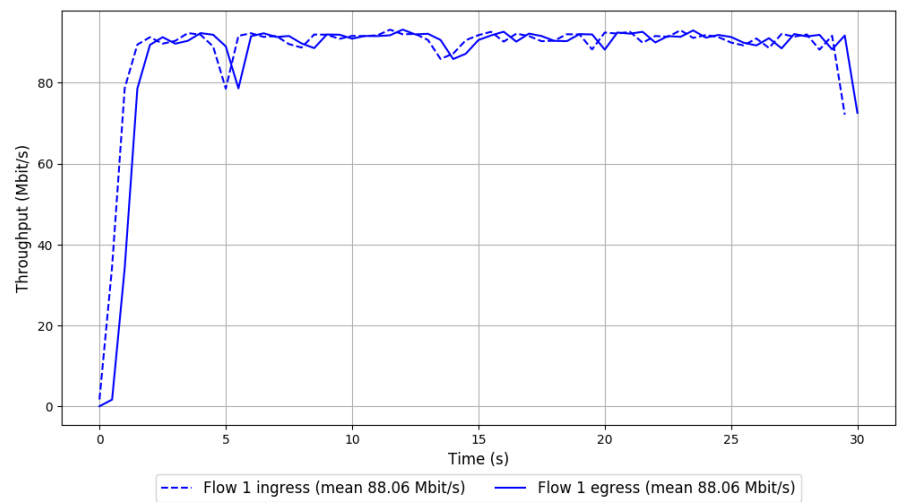
-- Flow 1:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 3.108 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-03 10:55:27

End at: 2018-07-03 10:55:57

Local clock offset: 1.518 ms

Remote clock offset: -2.469 ms

Below is generated by plot.py at 2018-07-03 13:59:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 2.500 ms

Loss rate: 0.00%

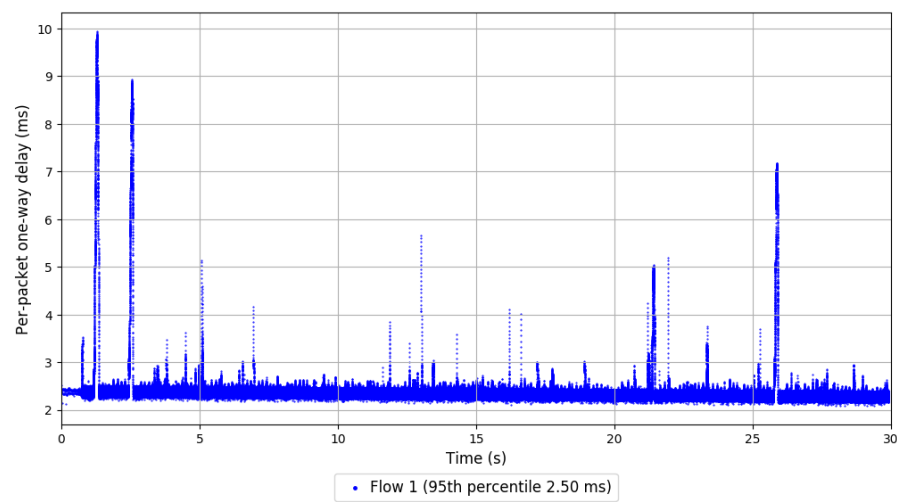
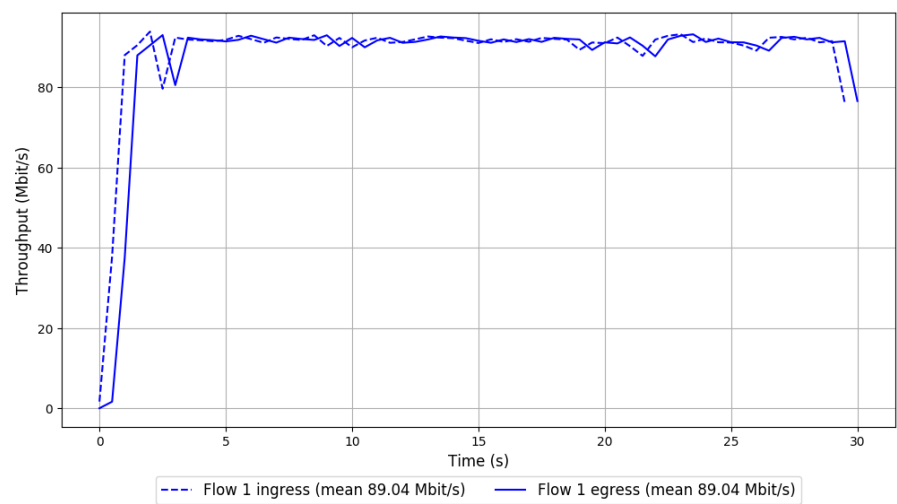
-- Flow 1:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 2.500 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-03 11:14:29

End at: 2018-07-03 11:14:59

Local clock offset: 1.11 ms

Remote clock offset: 0.424 ms

Below is generated by plot.py at 2018-07-03 13:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

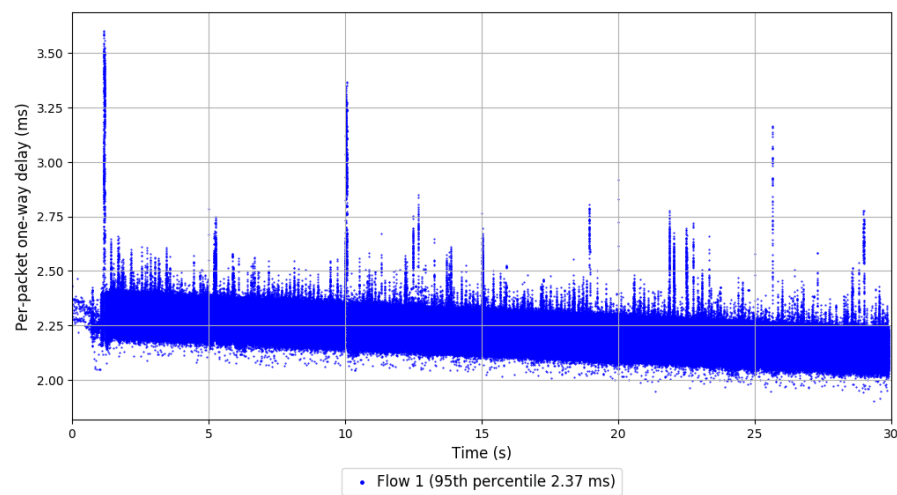
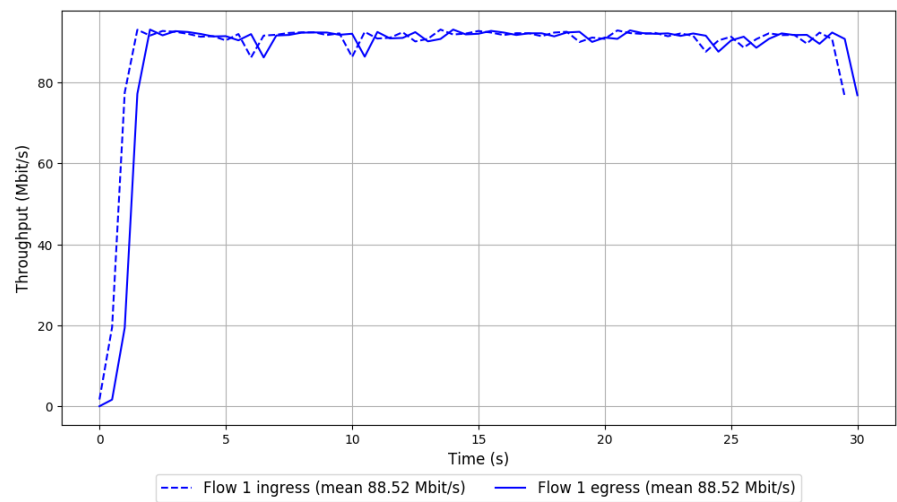
-- Flow 1:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-03 11:33:32

End at: 2018-07-03 11:34:02

Local clock offset: 0.09 ms

Remote clock offset: -5.289 ms

Below is generated by plot.py at 2018-07-03 13:59:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 2.493 ms

Loss rate: 0.00%

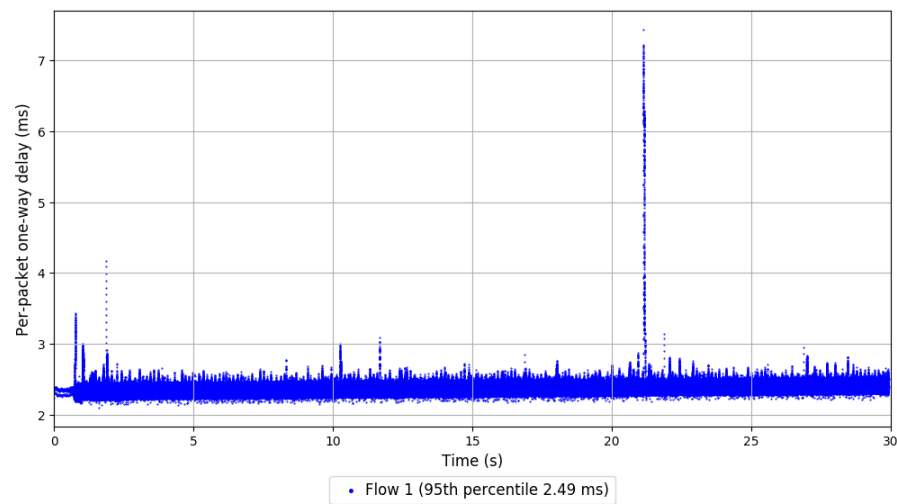
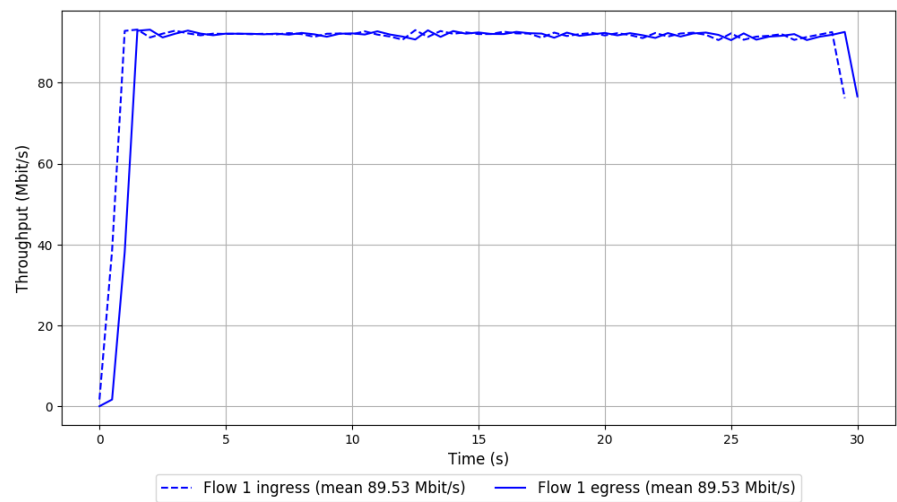
-- Flow 1:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 2.493 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-03 11:52:34

End at: 2018-07-03 11:53:04

Local clock offset: -0.886 ms

Remote clock offset: -5.785 ms

Below is generated by plot.py at 2018-07-03 13:59:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 2.282 ms

Loss rate: 0.00%

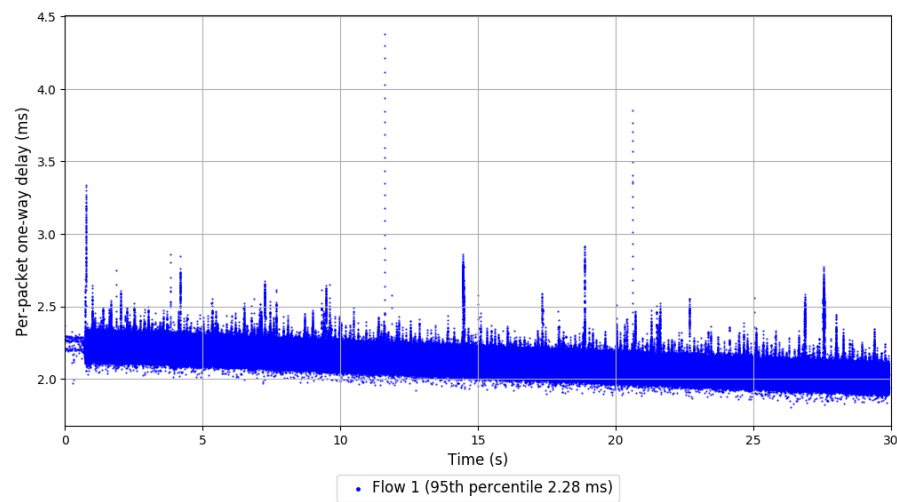
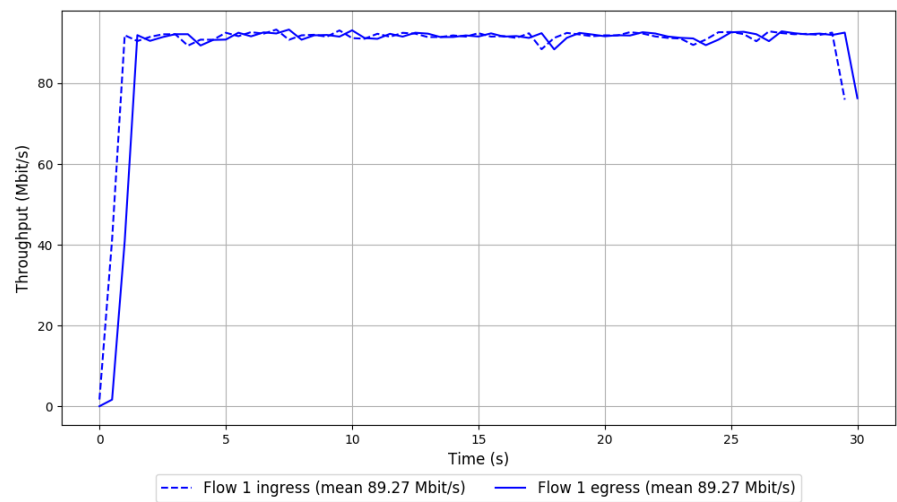
-- Flow 1:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 2.282 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

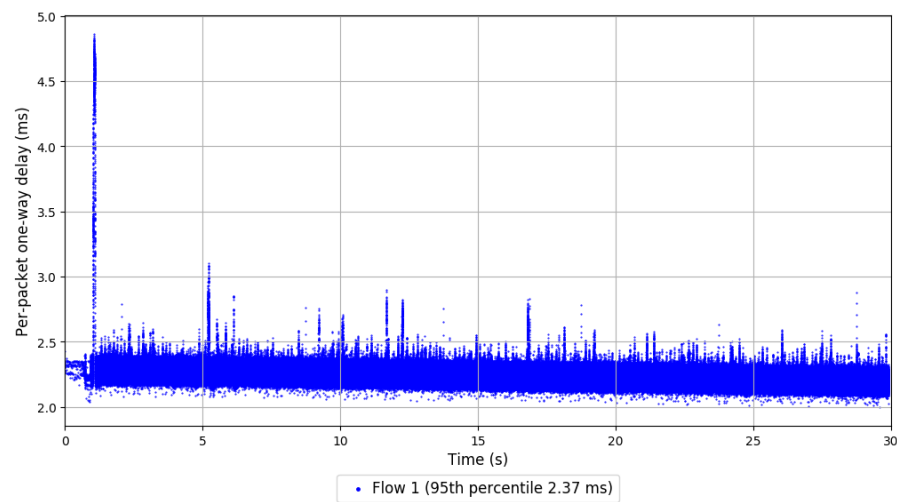
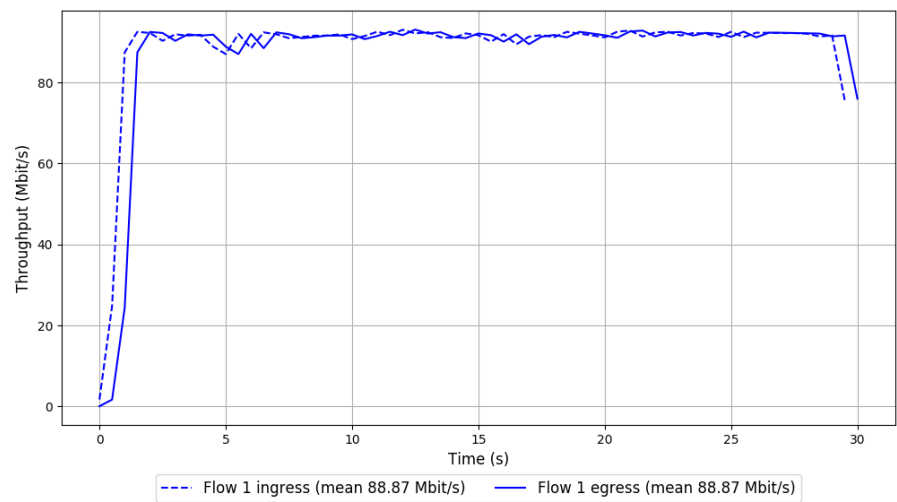


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-03 12:11:36
End at: 2018-07-03 12:12:06
Local clock offset: -0.742 ms
Remote clock offset: -1.624 ms

Below is generated by plot.py at 2018-07-03 13:59:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

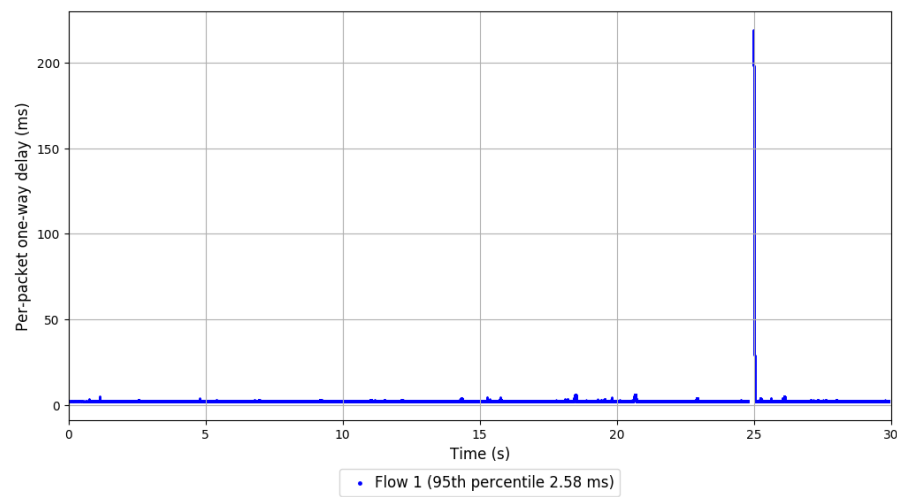
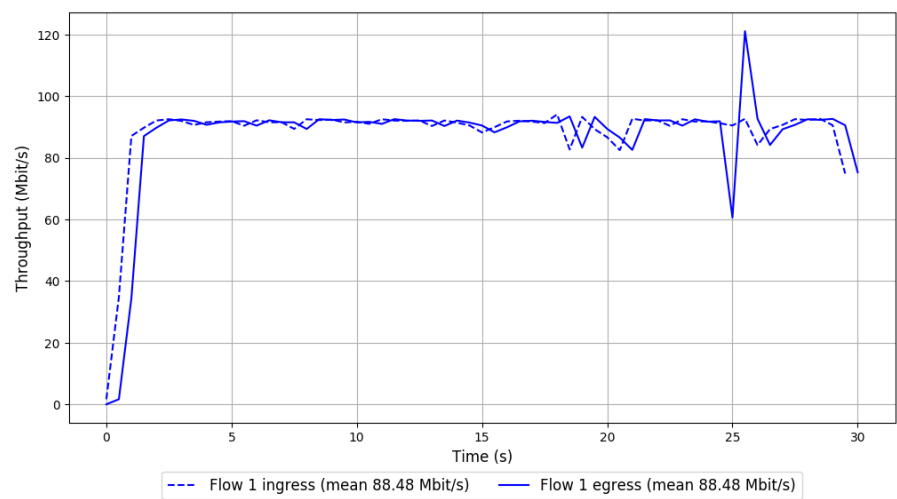


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-03 12:30:43
End at: 2018-07-03 12:31:13
Local clock offset: -1.325 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2018-07-03 14:00:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 2.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 2.578 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

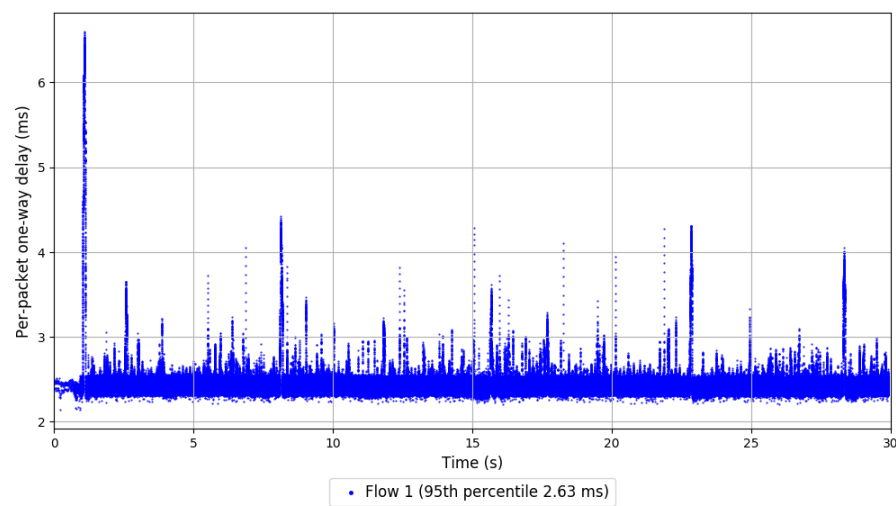
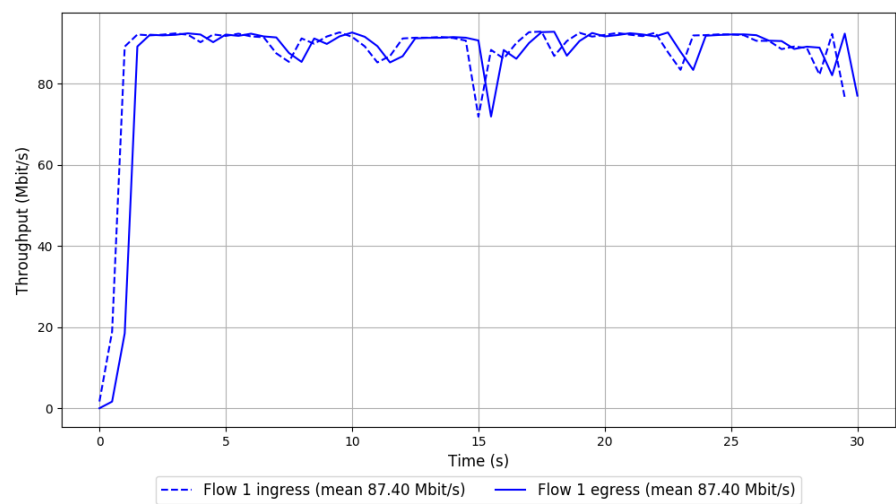


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-03 12:49:46
End at: 2018-07-03 12:50:16
Local clock offset: -1.268 ms
Remote clock offset: -1.103 ms

Below is generated by plot.py at 2018-07-03 14:00:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 2.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 2.632 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

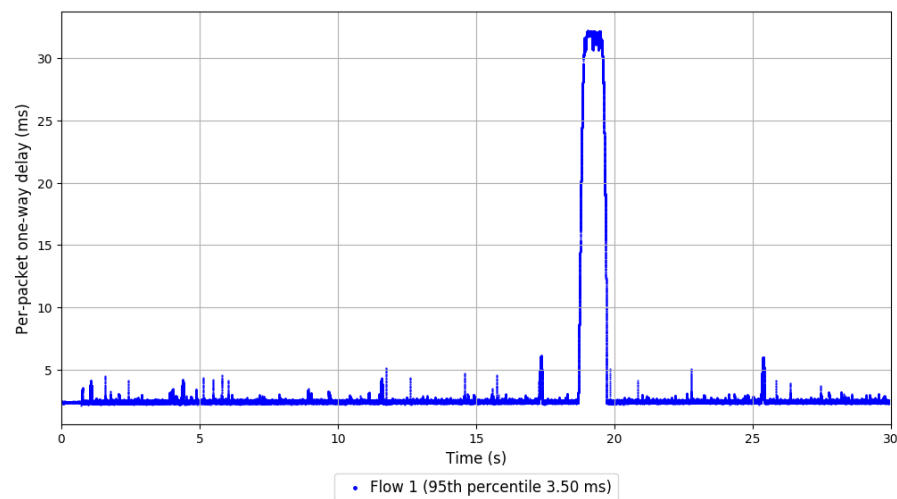
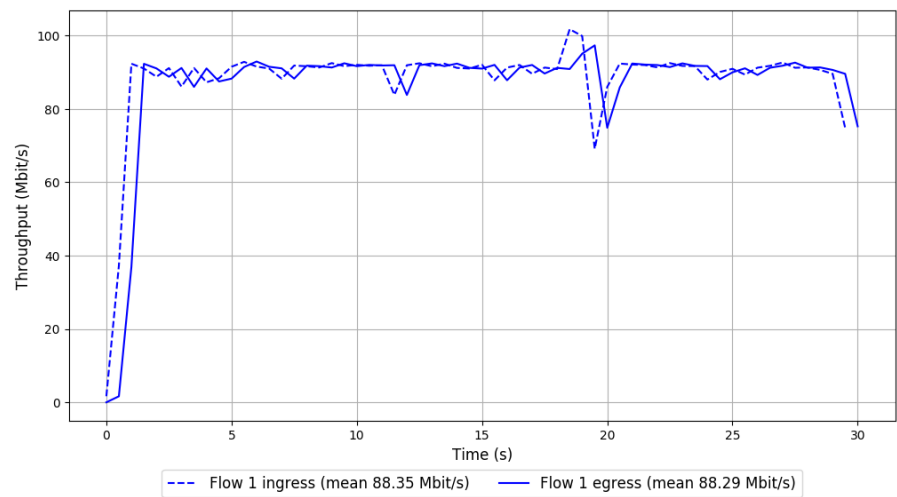


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-03 13:08:49
End at: 2018-07-03 13:09:19
Local clock offset: -1.003 ms
Remote clock offset: -2.265 ms

Below is generated by plot.py at 2018-07-03 14:00:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 3.497 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 3.497 ms
Loss rate: 0.07%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-03 13:27:51

End at: 2018-07-03 13:28:21

Local clock offset: -1.532 ms

Remote clock offset: -3.003 ms

Below is generated by plot.py at 2018-07-03 14:00:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.47 Mbit/s

95th percentile per-packet one-way delay: 2.847 ms

Loss rate: 0.00%

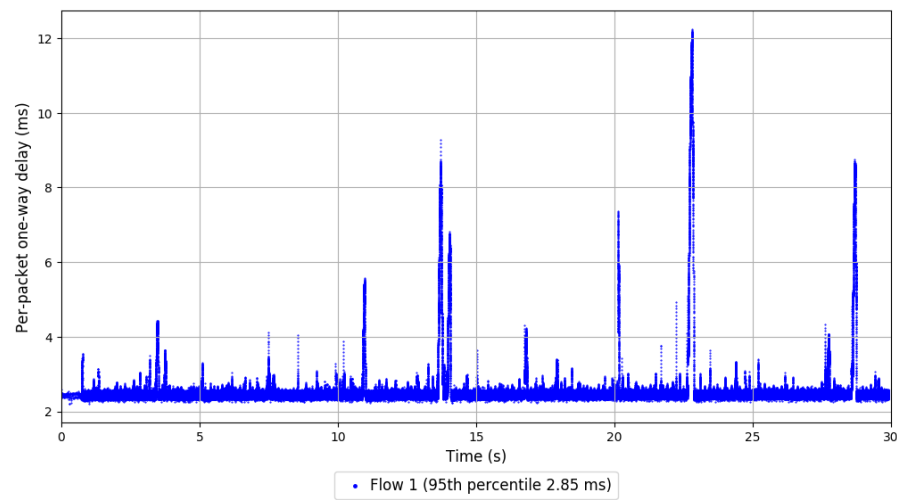
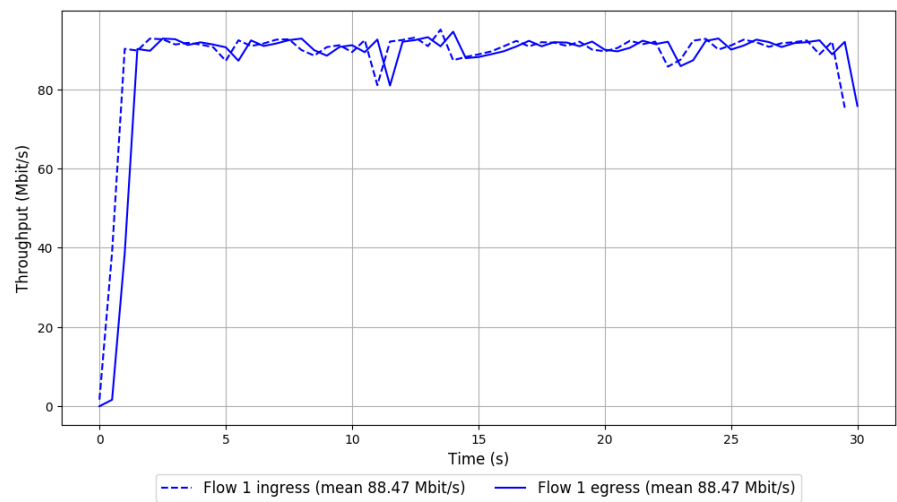
-- Flow 1:

Average throughput: 88.47 Mbit/s

95th percentile per-packet one-way delay: 2.847 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

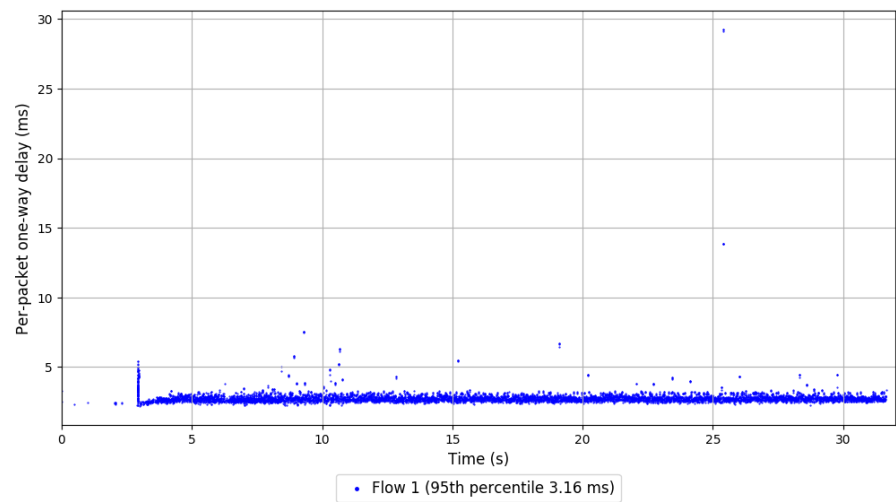
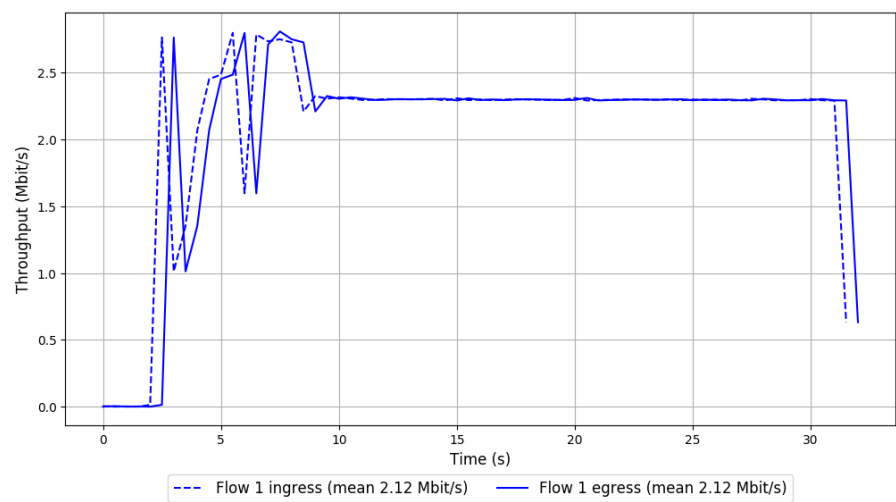


Run 1: Statistics of WebRTC media

Start at: 2018-07-03 10:21:59
End at: 2018-07-03 10:22:29
Local clock offset: 2.842 ms
Remote clock offset: -7.484 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 3.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 3.163 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

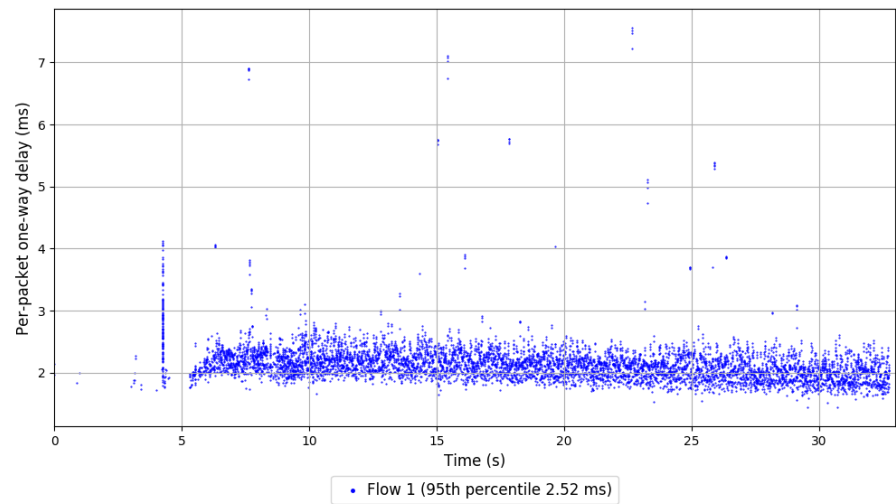
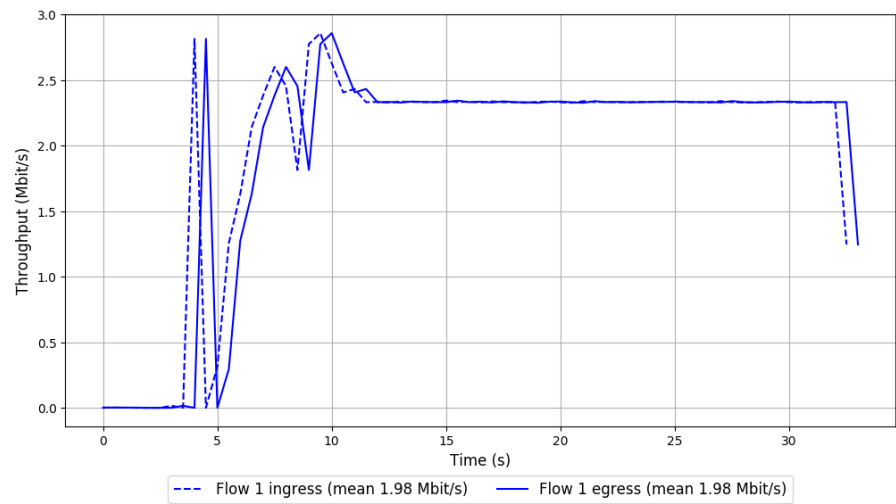


Run 2: Statistics of WebRTC media

Start at: 2018-07-03 10:40:58
End at: 2018-07-03 10:41:28
Local clock offset: 6.226 ms
Remote clock offset: -7.569 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.523 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

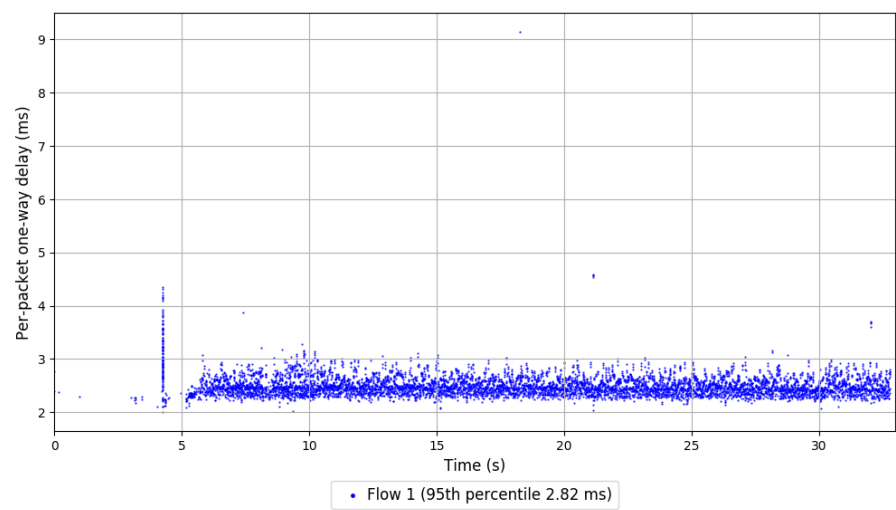
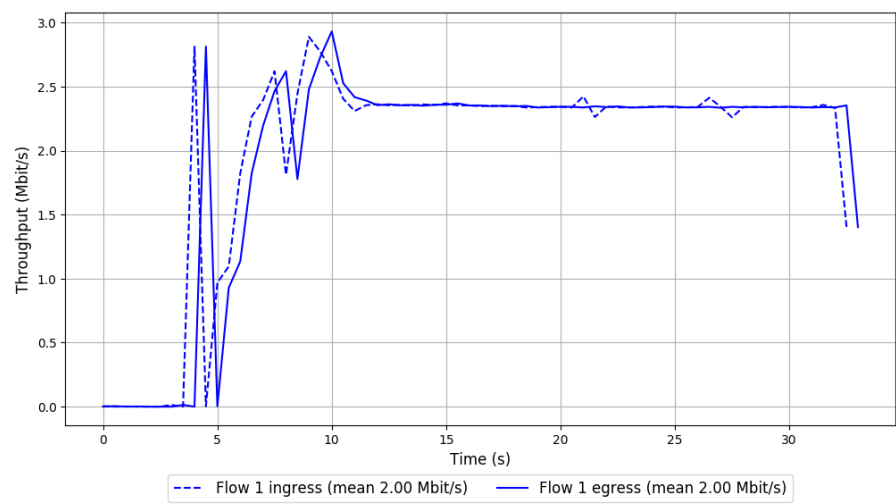


Run 3: Statistics of WebRTC media

Start at: 2018-07-03 11:00:01
End at: 2018-07-03 11:00:31
Local clock offset: 1.644 ms
Remote clock offset: -1.604 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 2.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 2.821 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

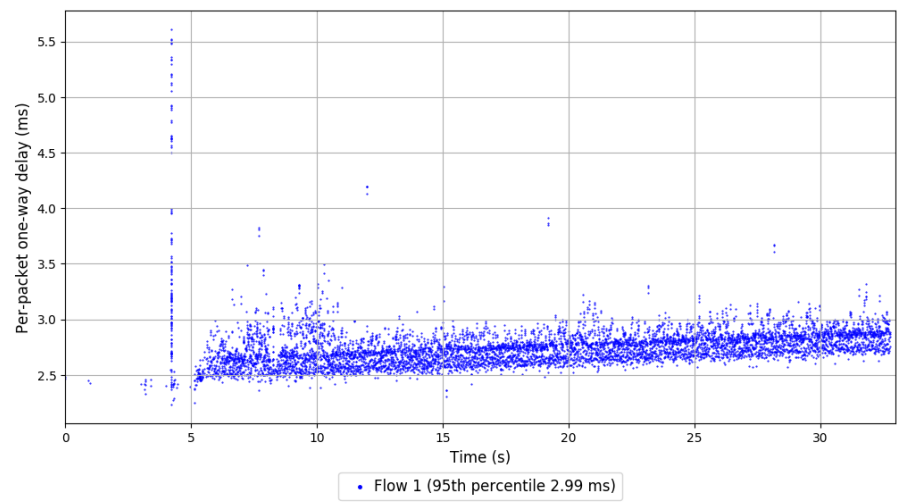
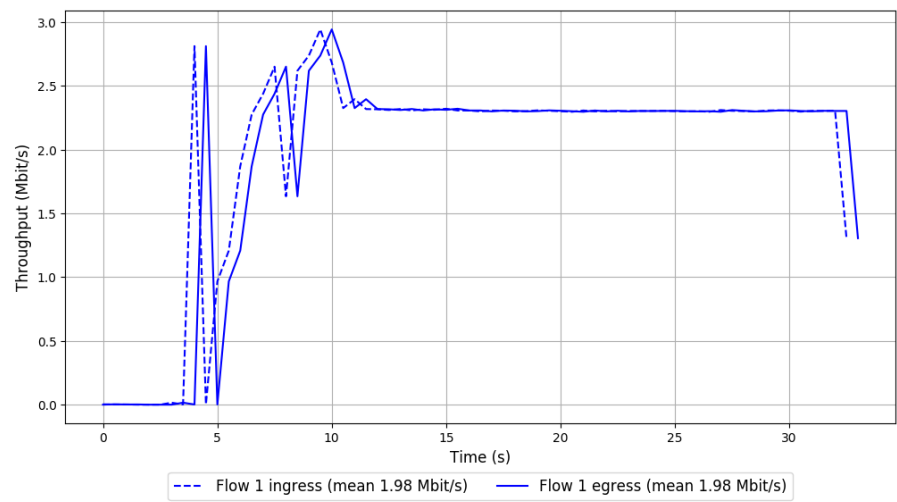


Run 4: Statistics of WebRTC media

Start at: 2018-07-03 11:19:03
End at: 2018-07-03 11:19:33
Local clock offset: 0.267 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.993 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

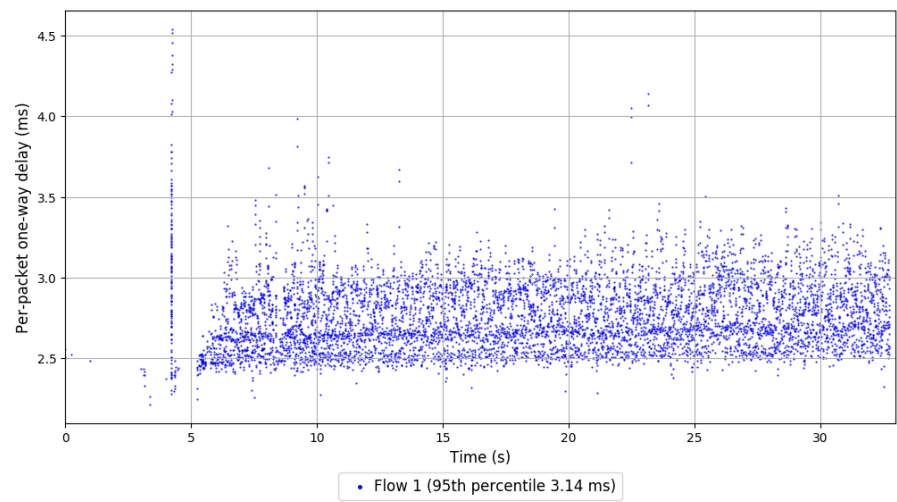
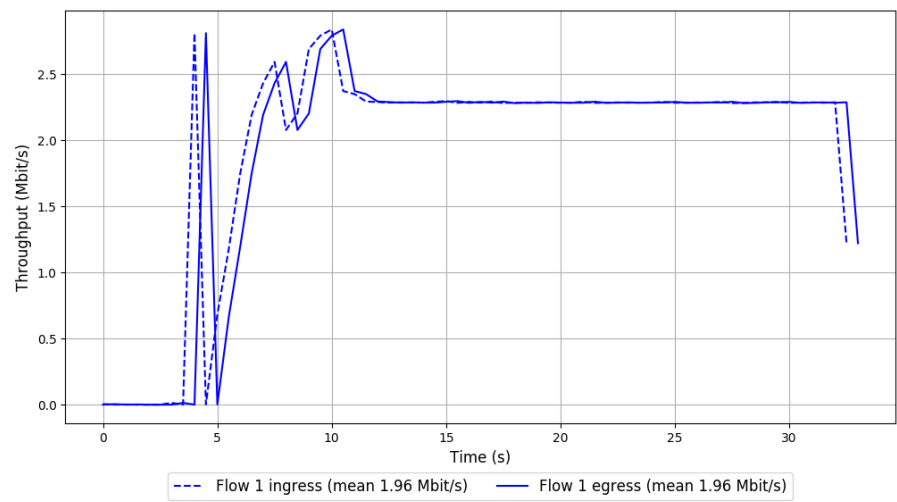


Run 5: Statistics of WebRTC media

Start at: 2018-07-03 11:38:05
End at: 2018-07-03 11:38:35
Local clock offset: 0.334 ms
Remote clock offset: -5.639 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.140 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

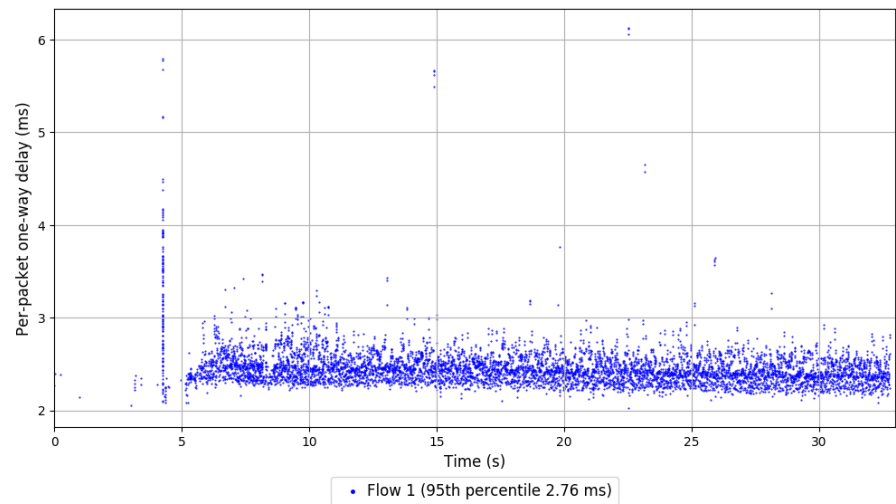
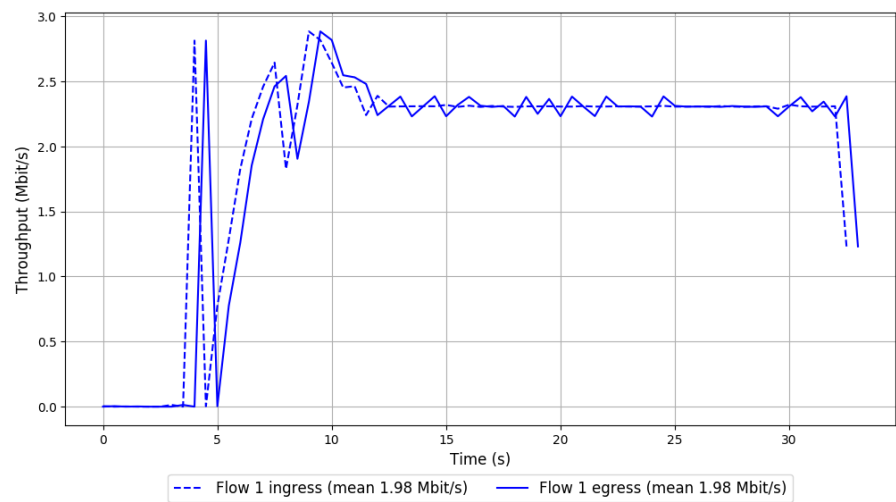


Run 6: Statistics of WebRTC media

Start at: 2018-07-03 11:57:07
End at: 2018-07-03 11:57:38
Local clock offset: -0.941 ms
Remote clock offset: -4.056 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 2.759 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

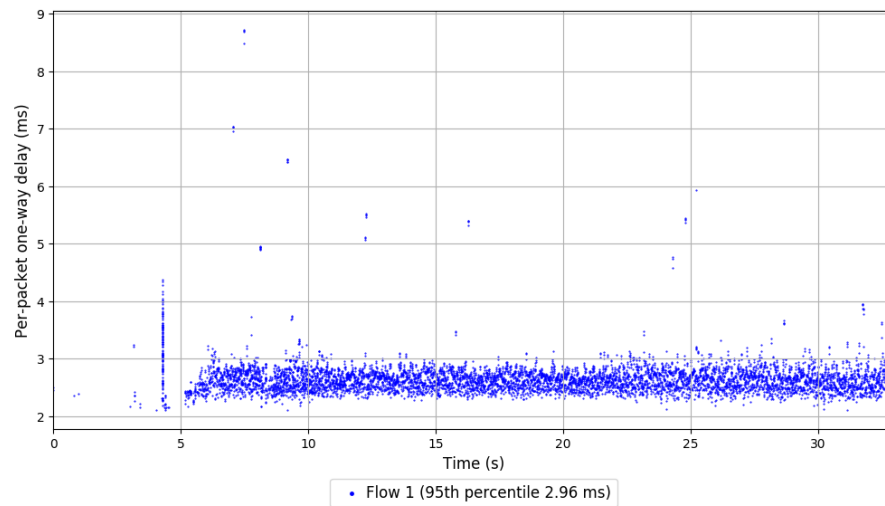
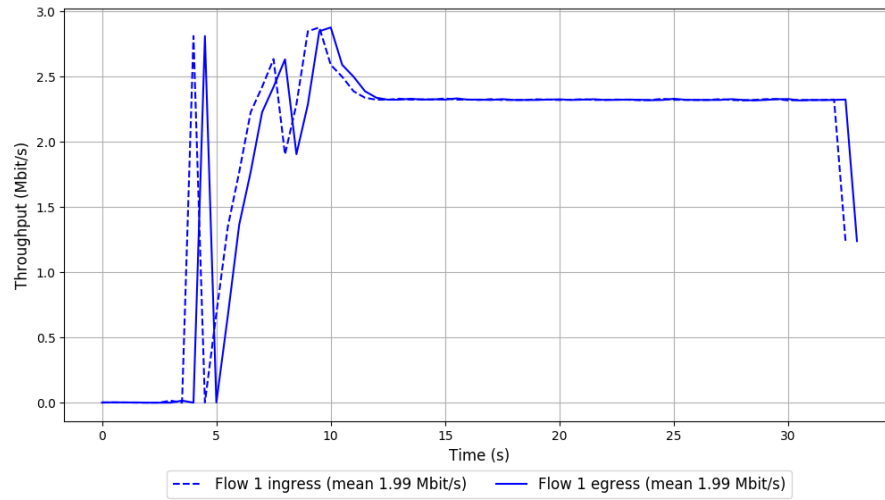


Run 7: Statistics of WebRTC media

Start at: 2018-07-03 12:16:09
End at: 2018-07-03 12:16:39
Local clock offset: -1.205 ms
Remote clock offset: -1.267 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 2.963 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

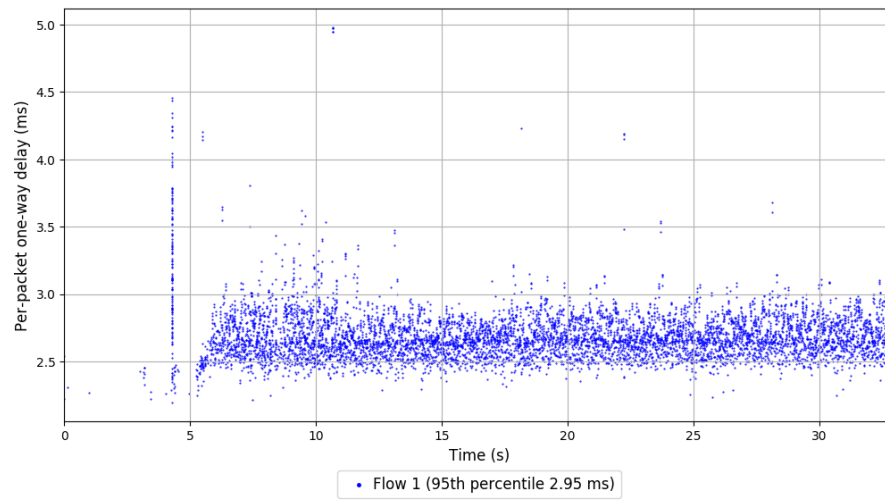
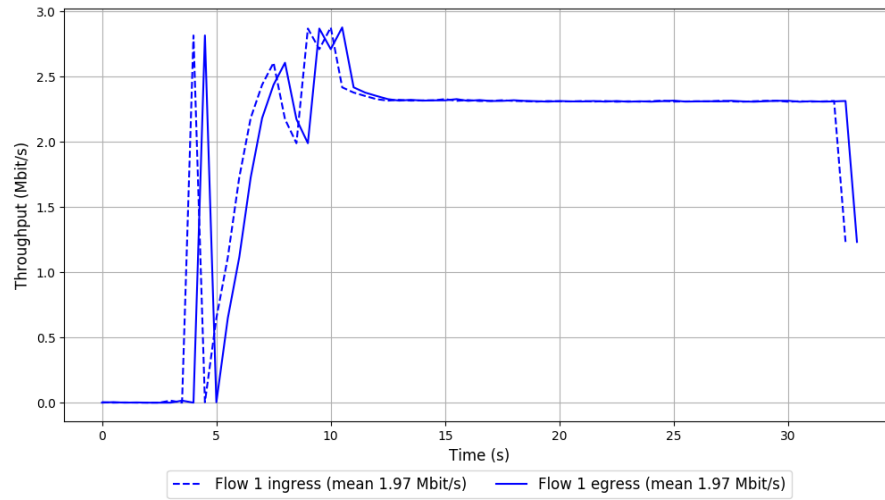


Run 8: Statistics of WebRTC media

Start at: 2018-07-03 12:35:17
End at: 2018-07-03 12:35:47
Local clock offset: -1.268 ms
Remote clock offset: -1.181 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

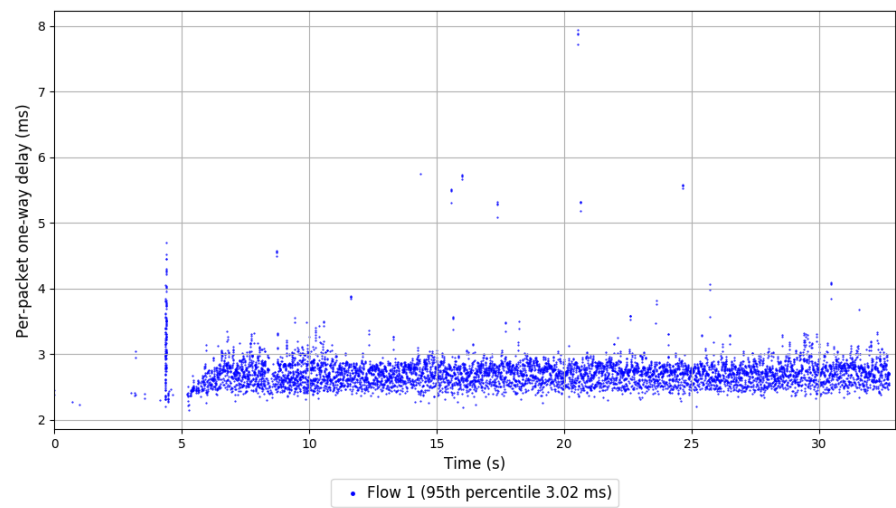
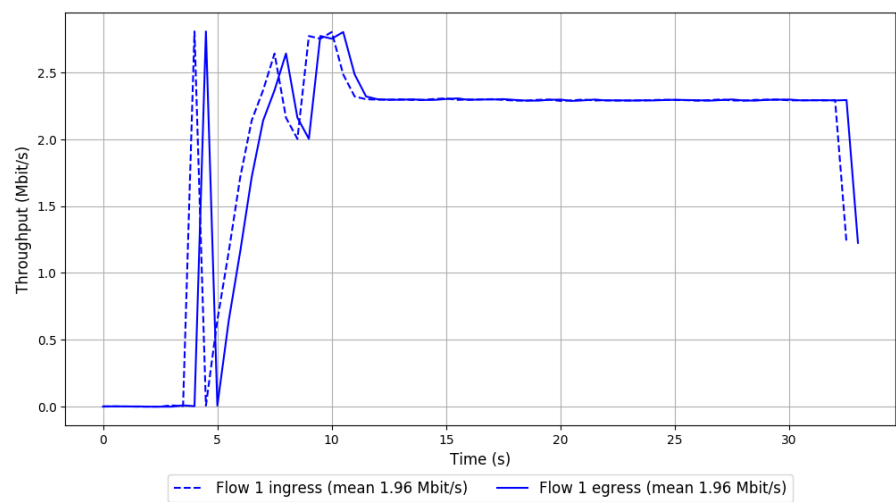


Run 9: Statistics of WebRTC media

Start at: 2018-07-03 12:54:20
End at: 2018-07-03 12:54:50
Local clock offset: -1.26 ms
Remote clock offset: -1.025 ms

Below is generated by plot.py at 2018-07-03 14:00:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 3.023 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-03 13:13:22

End at: 2018-07-03 13:13:52

Local clock offset: -1.215 ms

Remote clock offset: -2.576 ms

Below is generated by plot.py at 2018-07-03 14:00:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 2.847 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 2.847 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

