

Pantheon Report

Generated at 2018-08-01 17:46:21 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Tokyo Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

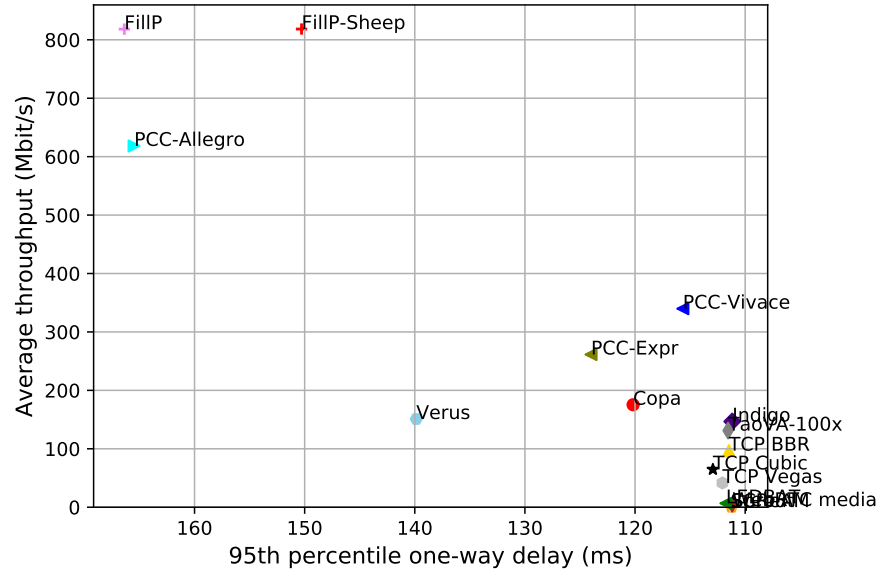
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

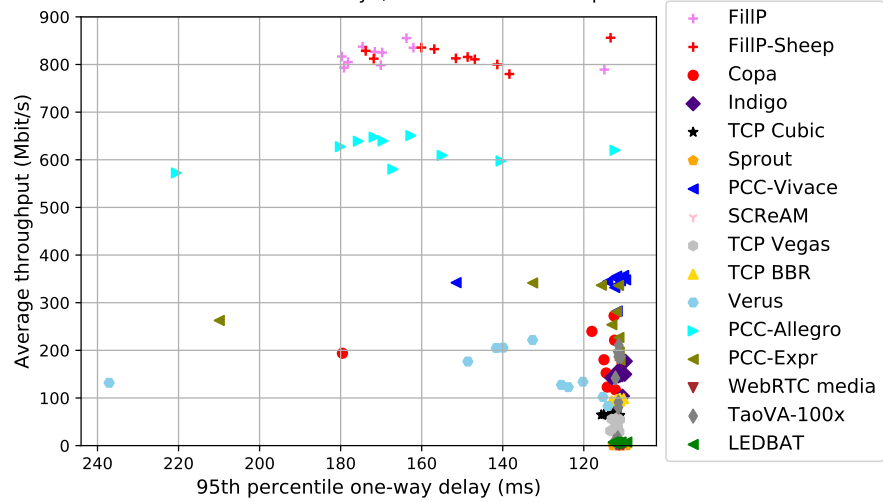
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE London to GCE Tokyo, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London to GCE Tokyo, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.83	111.48	0.77
Copa	10	175.36	120.18	0.79
TCP Cubic	10	64.68	112.93	0.89
FillP	10	818.25	166.38	1.76
FillP-Sheep	10	818.42	150.28	1.49
Indigo	10	146.72	111.17	0.82
LEDBAT	10	6.62	111.75	1.58
PCC-Allegro	10	618.38	165.49	1.58
PCC-Expr	10	261.36	124.00	0.89
QUIC Cubic	0	N/A	N/A	N/A
SCReAM	10	0.22	111.32	0.68
Sprout	10	0.20	111.23	0.64
TaoVA-100x	10	131.14	111.55	0.92
TCP Vegas	10	41.51	112.06	0.78
Verus	10	150.98	139.87	1.88
PCC-Vivace	10	339.82	115.66	0.94
WebRTC media	10	1.96	111.18	0.92

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 12:15:26

End at: 2018-08-01 12:15:56

Local clock offset: -0.272 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-08-01 16:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.61 Mbit/s

95th percentile per-packet one-way delay: 111.190 ms

Loss rate: 0.75%

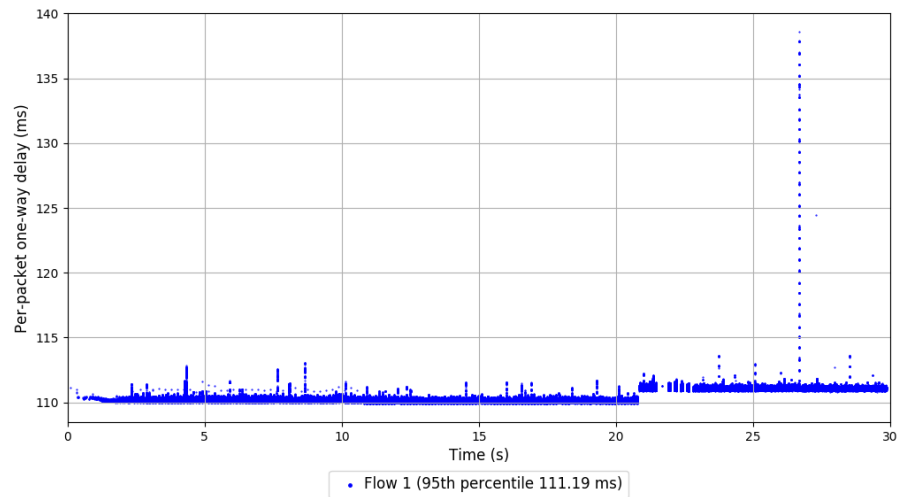
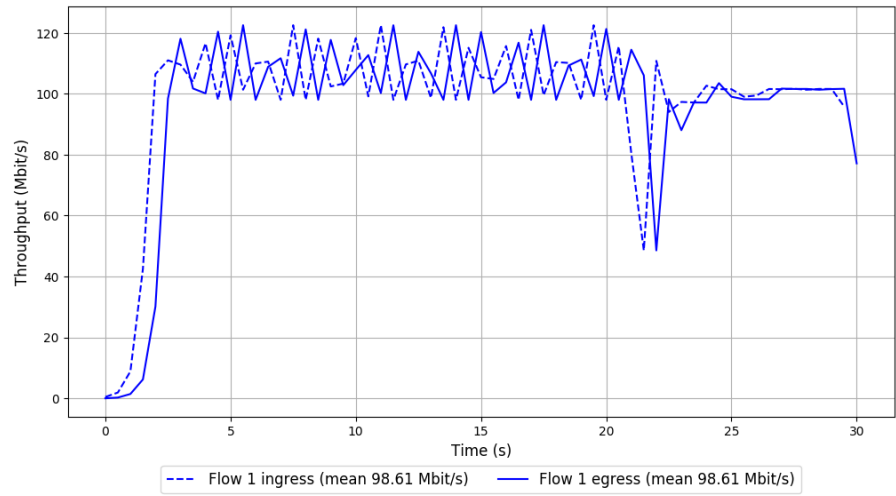
-- Flow 1:

Average throughput: 98.61 Mbit/s

95th percentile per-packet one-way delay: 111.190 ms

Loss rate: 0.75%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-01 12:38:01

End at: 2018-08-01 12:38:31

Local clock offset: -0.179 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-08-01 16:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.93 Mbit/s

95th percentile per-packet one-way delay: 111.052 ms

Loss rate: 0.74%

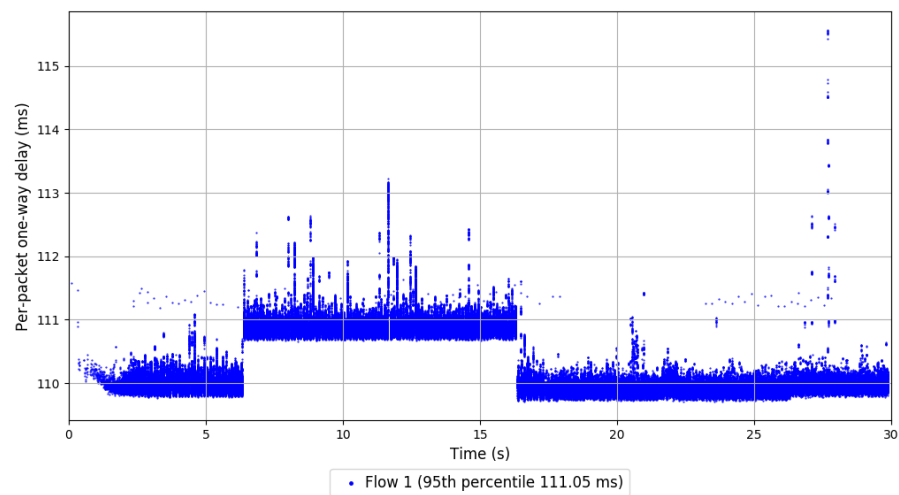
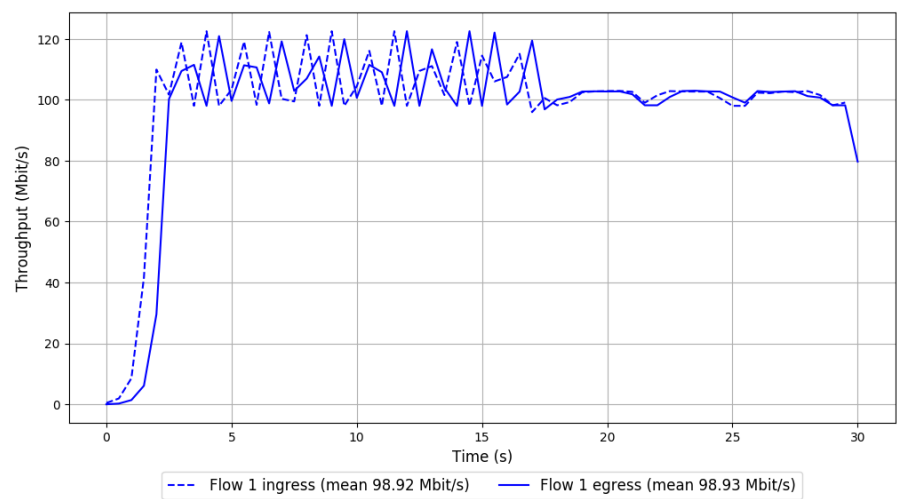
-- Flow 1:

Average throughput: 98.93 Mbit/s

95th percentile per-packet one-way delay: 111.052 ms

Loss rate: 0.74%

Run 2: Report of TCP BBR — Data Link

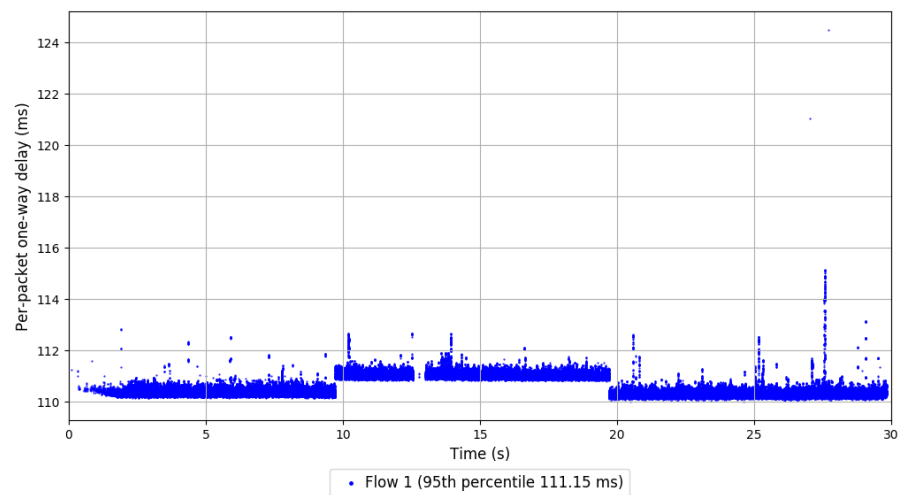
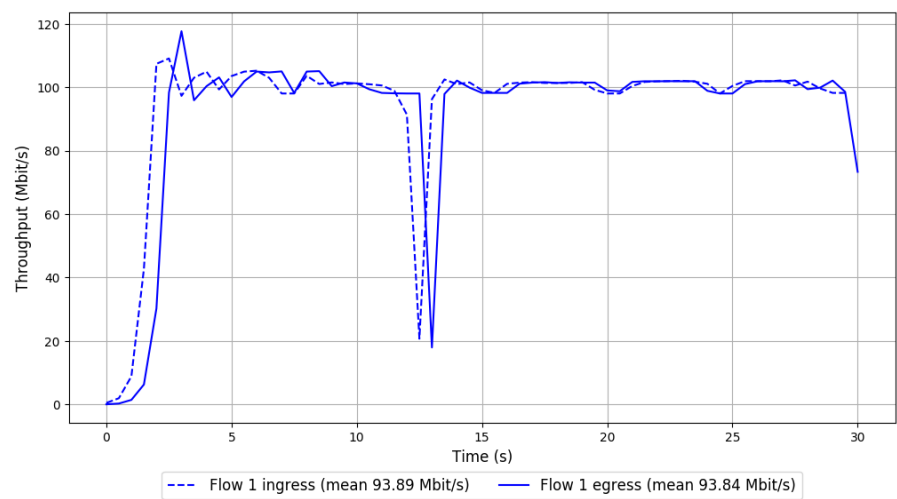


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 13:00:47
End at: 2018-08-01 13:01:17
Local clock offset: -0.22 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-01 16:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 111.151 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 111.151 ms
Loss rate: 0.87%

Run 3: Report of TCP BBR — Data Link

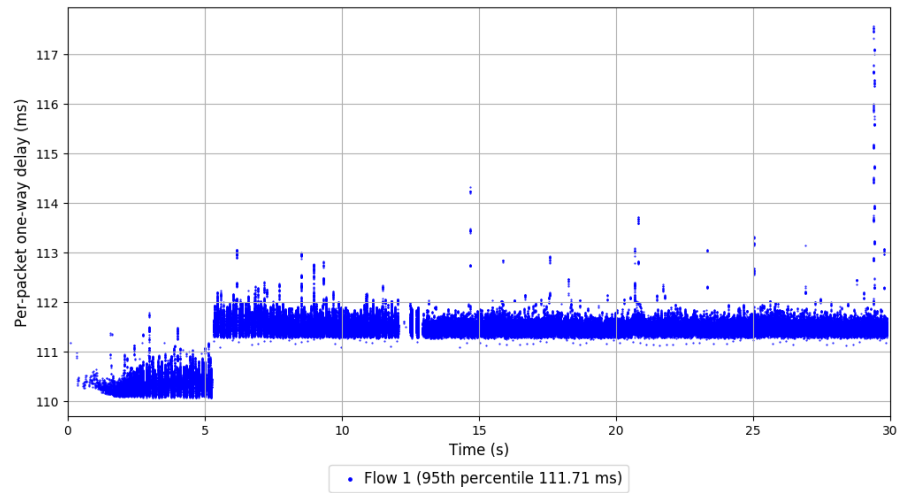
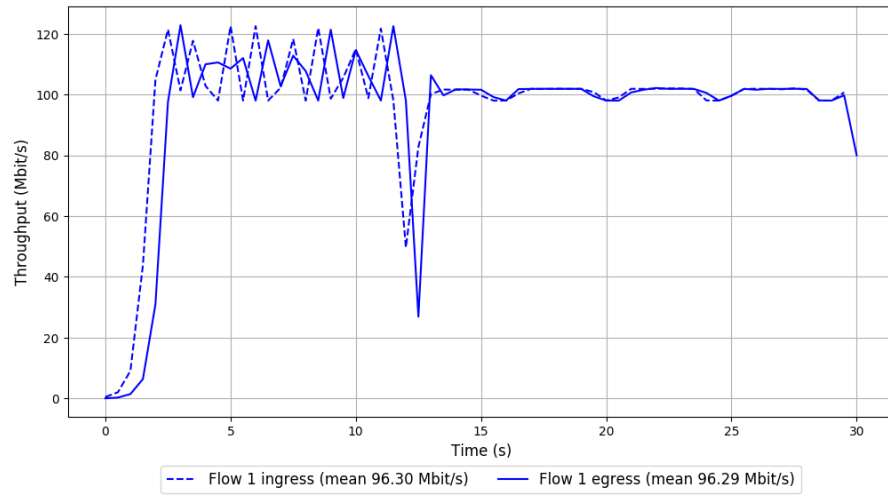


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 13:23:32
End at: 2018-08-01 13:24:02
Local clock offset: -0.321 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-08-01 16:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 0.75%

Run 4: Report of TCP BBR — Data Link

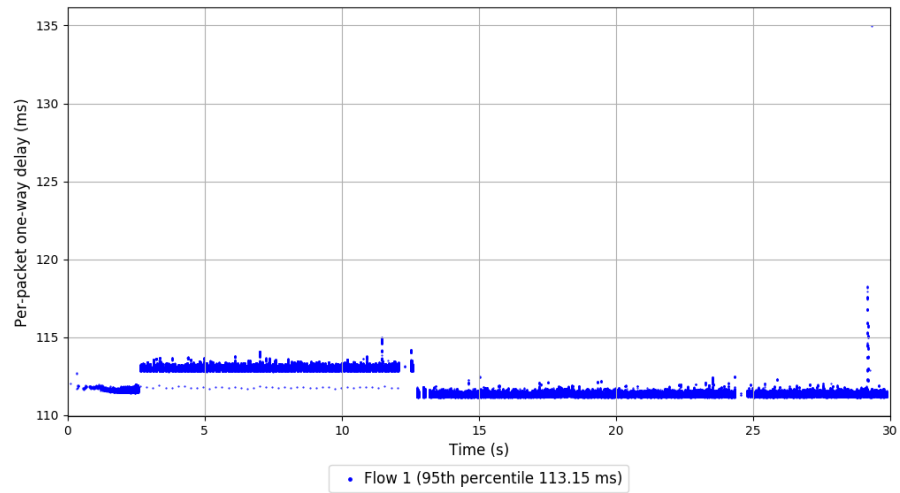
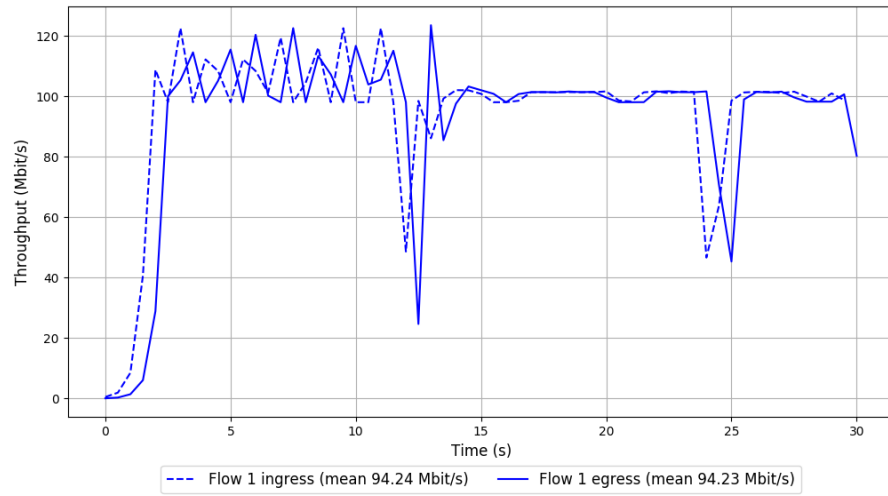


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 13:46:04
End at: 2018-08-01 13:46:34
Local clock offset: -0.029 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-01 16:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 113.147 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 113.147 ms
Loss rate: 0.77%

Run 5: Report of TCP BBR — Data Link

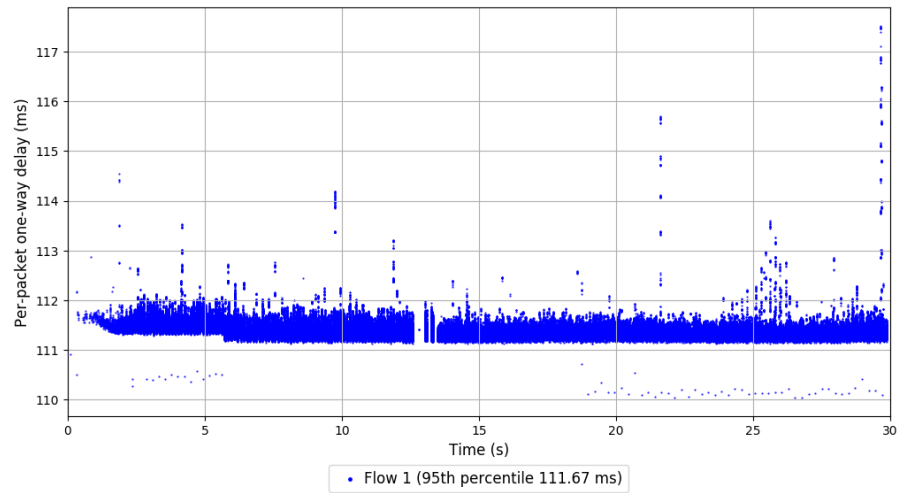
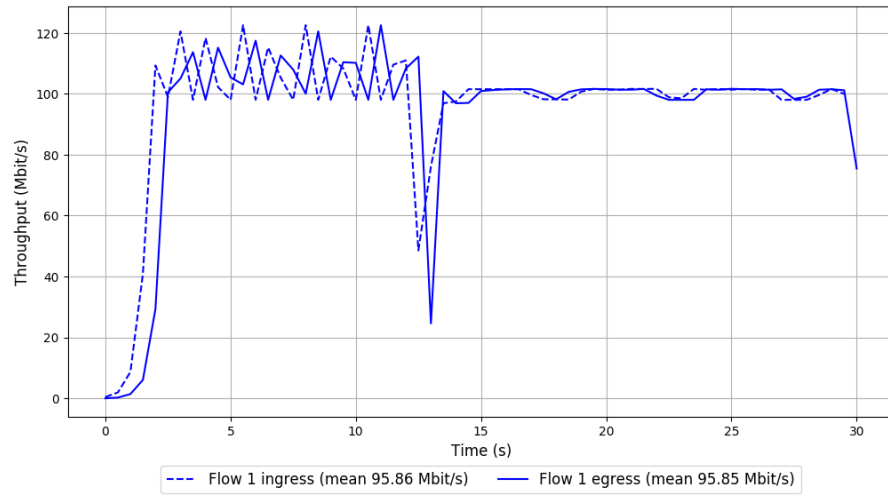


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 14:08:21
End at: 2018-08-01 14:08:51
Local clock offset: -0.153 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-01 16:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 111.671 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 111.671 ms
Loss rate: 0.75%

Run 6: Report of TCP BBR — Data Link

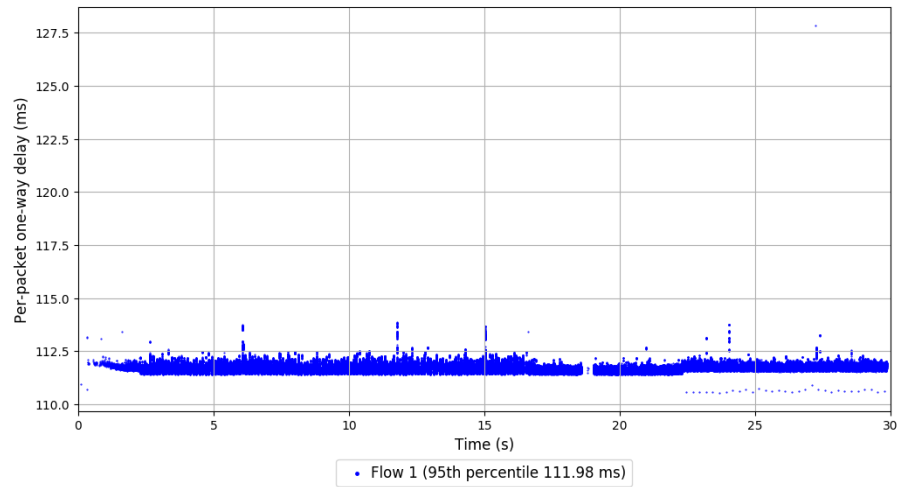
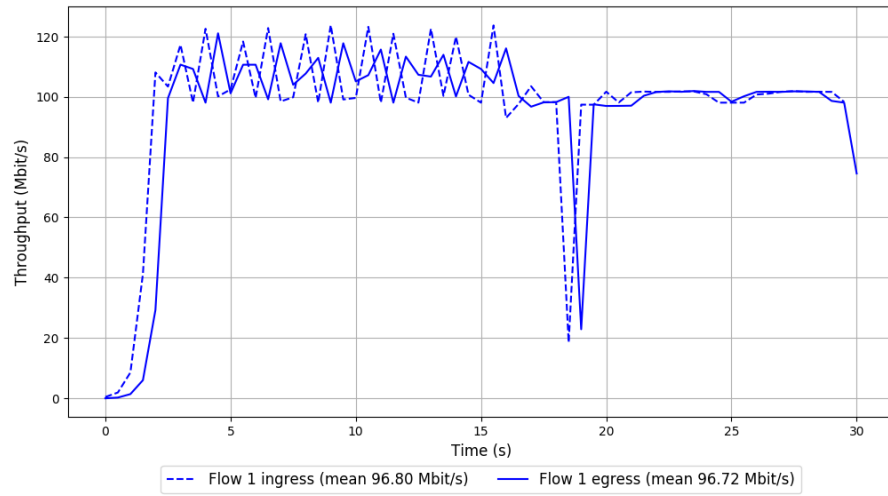


Run 7: Statistics of TCP BBR

Start at: 2018-08-01 14:30:55
End at: 2018-08-01 14:31:25
Local clock offset: -0.33 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-08-01 16:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 0.82%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-01 14:53:43

End at: 2018-08-01 14:54:13

Local clock offset: -0.32 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-08-01 16:12:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.79 Mbit/s

95th percentile per-packet one-way delay: 111.191 ms

Loss rate: 0.74%

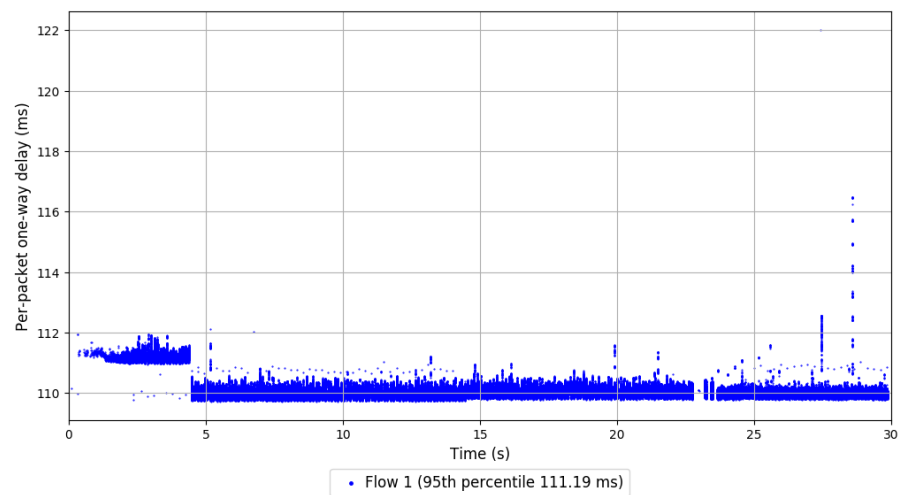
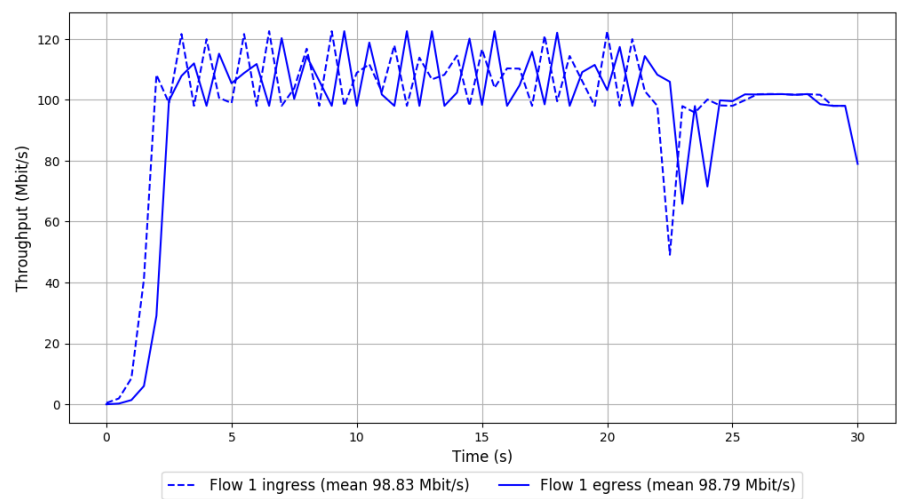
-- Flow 1:

Average throughput: 98.79 Mbit/s

95th percentile per-packet one-way delay: 111.191 ms

Loss rate: 0.74%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-01 15:16:18

End at: 2018-08-01 15:16:48

Local clock offset: -0.319 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-08-01 16:14:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.74 Mbit/s

95th percentile per-packet one-way delay: 110.149 ms

Loss rate: 0.75%

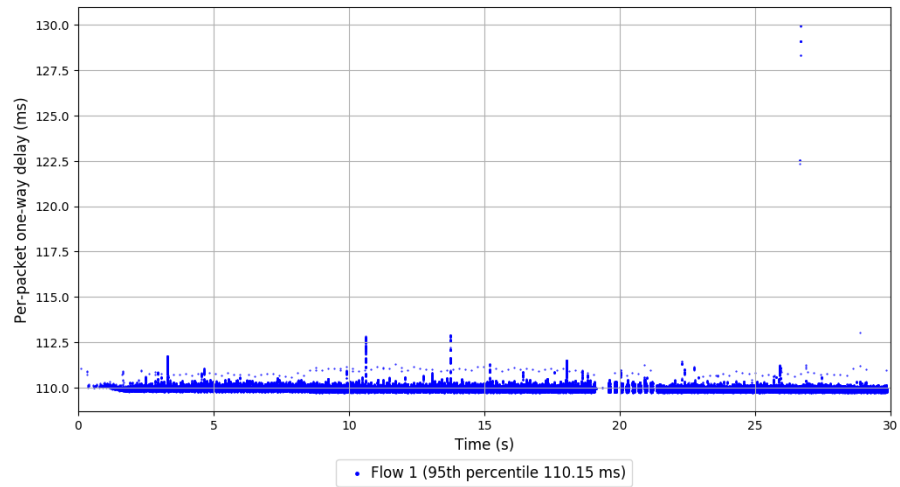
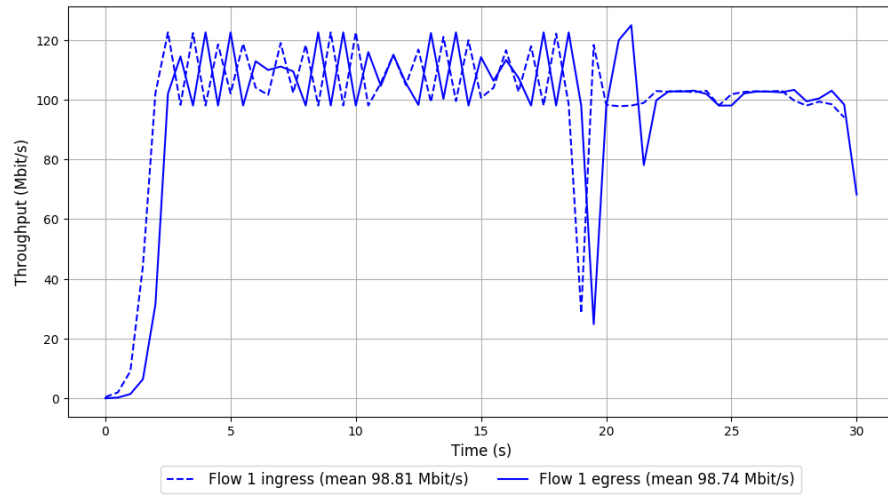
-- Flow 1:

Average throughput: 98.74 Mbit/s

95th percentile per-packet one-way delay: 110.149 ms

Loss rate: 0.75%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-01 15:39:00

End at: 2018-08-01 15:39:30

Local clock offset: 1.015 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-08-01 16:14:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 111.535 ms

Loss rate: 0.80%

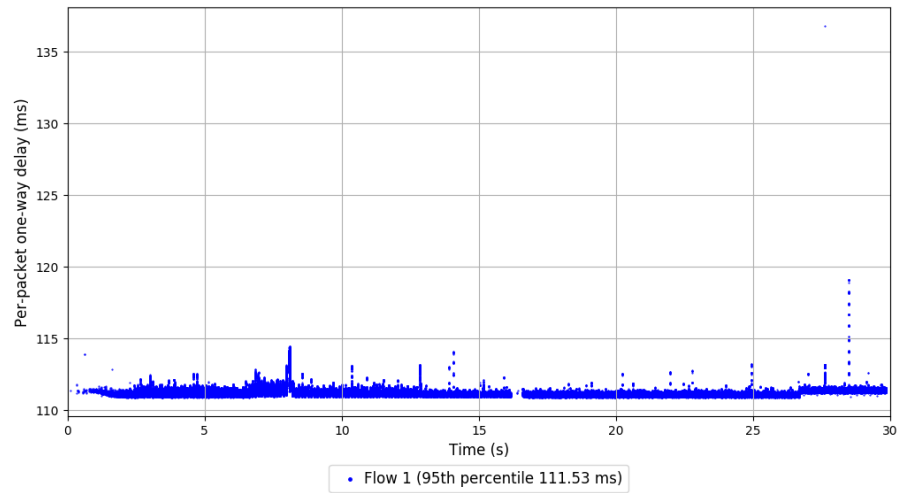
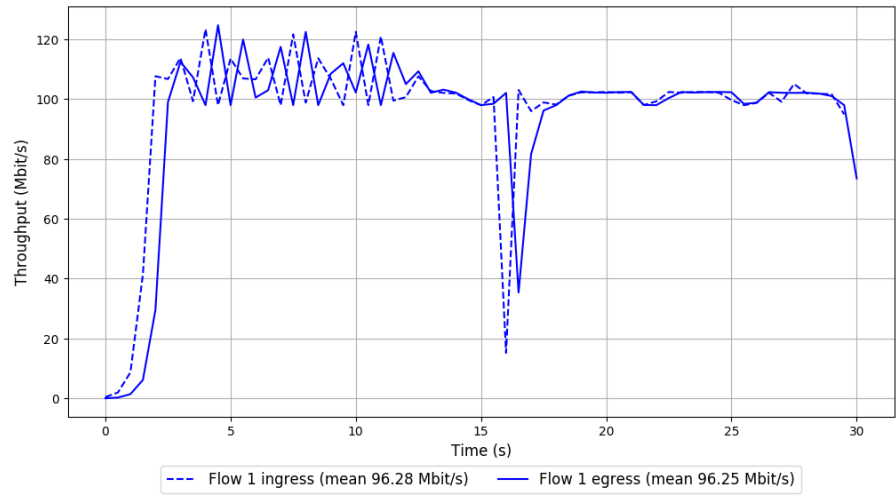
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 111.535 ms

Loss rate: 0.80%

Run 10: Report of TCP BBR — Data Link

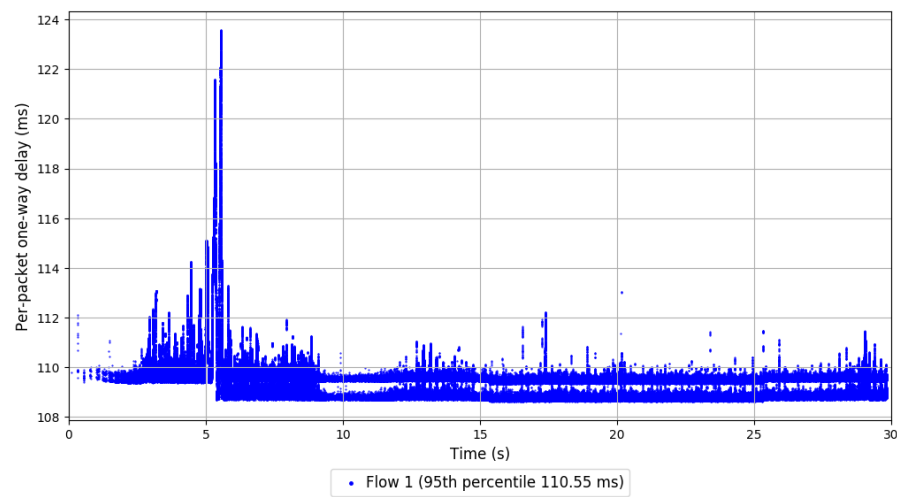
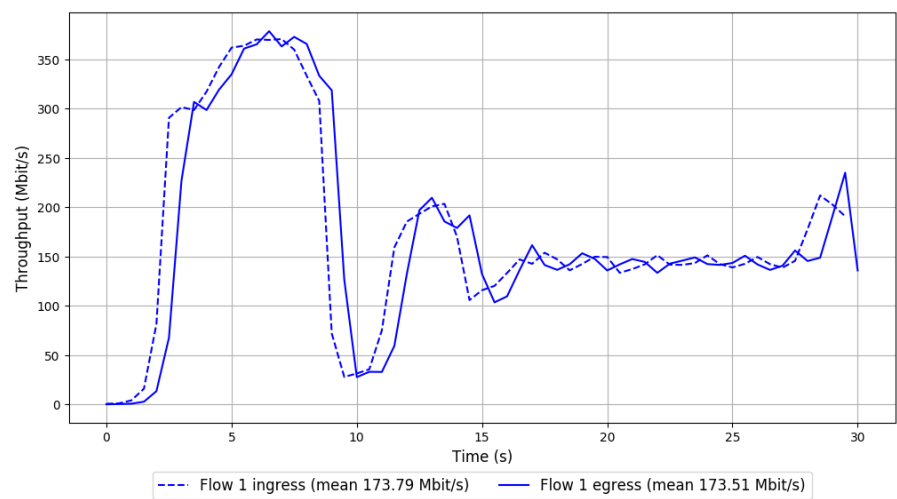


Run 1: Statistics of Copa

Start at: 2018-08-01 12:29:22
End at: 2018-08-01 12:29:52
Local clock offset: -1.654 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-08-01 16:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.51 Mbit/s
95th percentile per-packet one-way delay: 110.547 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 173.51 Mbit/s
95th percentile per-packet one-way delay: 110.547 ms
Loss rate: 0.91%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-01 12:51:54

End at: 2018-08-01 12:52:24

Local clock offset: 0.035 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-08-01 16:20:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.78 Mbit/s

95th percentile per-packet one-way delay: 118.000 ms

Loss rate: 0.88%

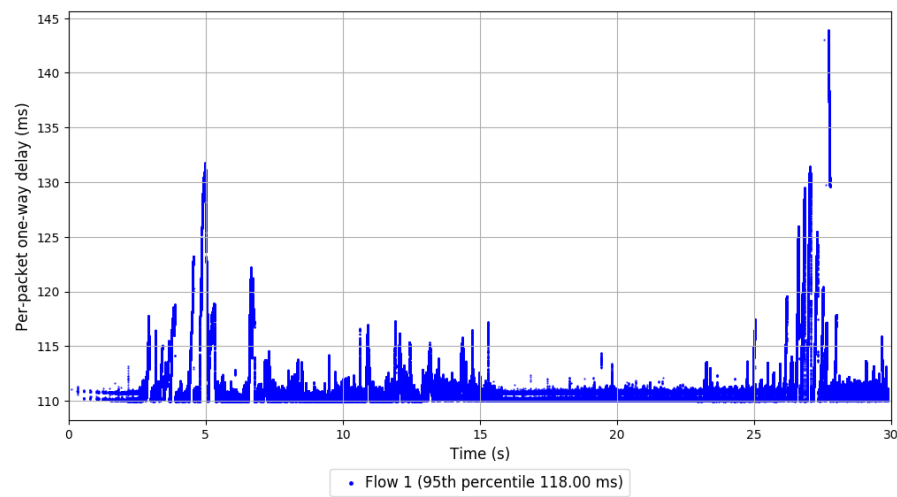
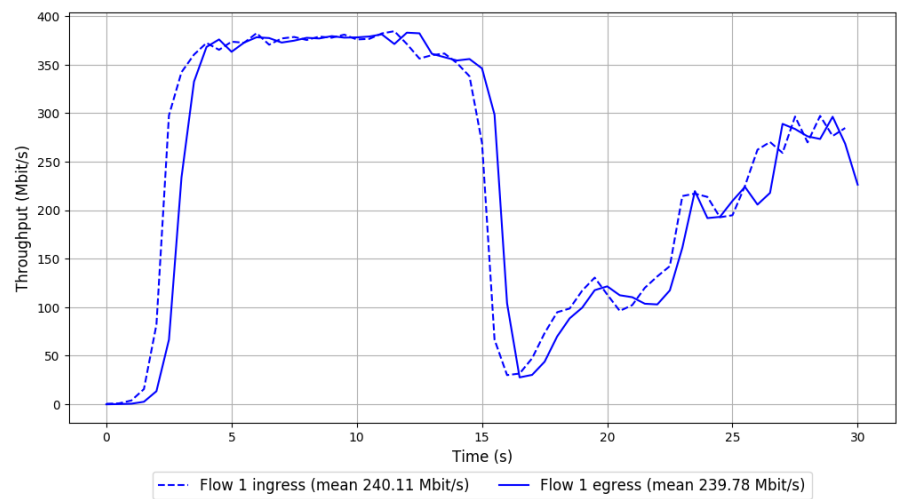
-- Flow 1:

Average throughput: 239.78 Mbit/s

95th percentile per-packet one-way delay: 118.000 ms

Loss rate: 0.88%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-01 13:14:40

End at: 2018-08-01 13:15:10

Local clock offset: -0.353 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-01 16:20:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.46 Mbit/s

95th percentile per-packet one-way delay: 114.481 ms

Loss rate: 0.82%

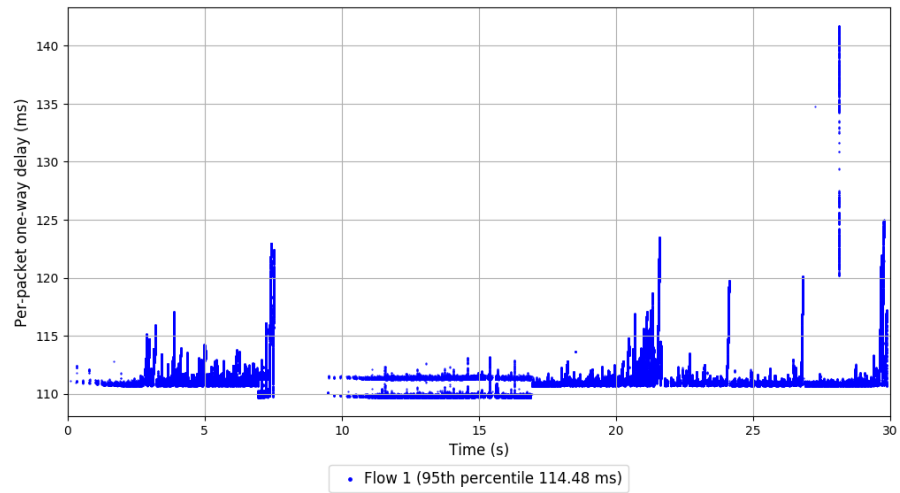
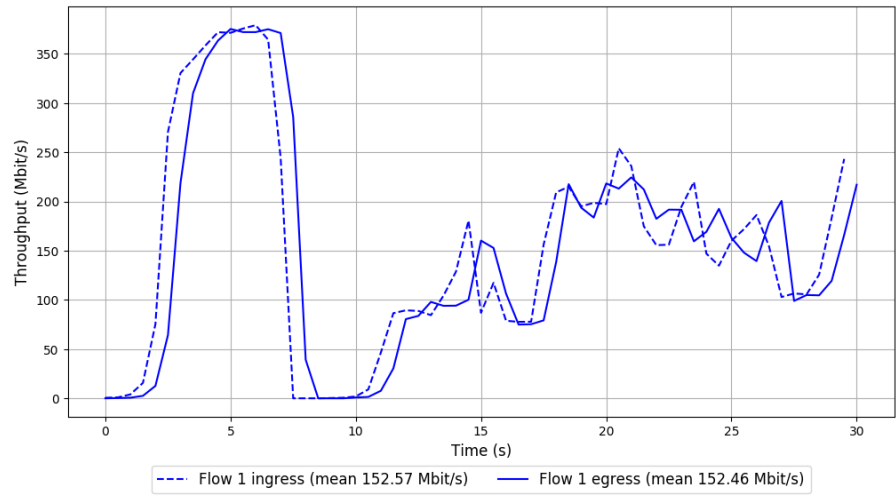
-- Flow 1:

Average throughput: 152.46 Mbit/s

95th percentile per-packet one-way delay: 114.481 ms

Loss rate: 0.82%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-01 13:37:29

End at: 2018-08-01 13:37:59

Local clock offset: -0.347 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-08-01 16:21:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.45 Mbit/s

95th percentile per-packet one-way delay: 112.528 ms

Loss rate: 0.10%

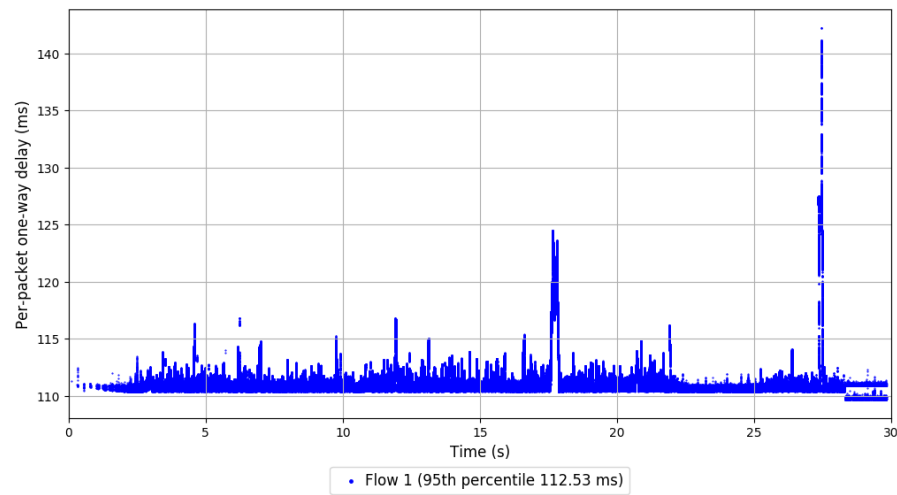
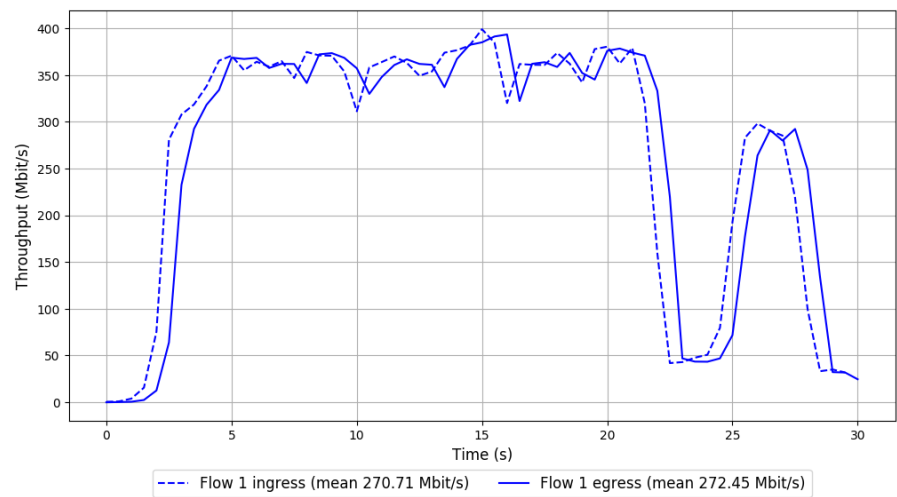
-- Flow 1:

Average throughput: 272.45 Mbit/s

95th percentile per-packet one-way delay: 112.528 ms

Loss rate: 0.10%

Run 4: Report of Copa — Data Link

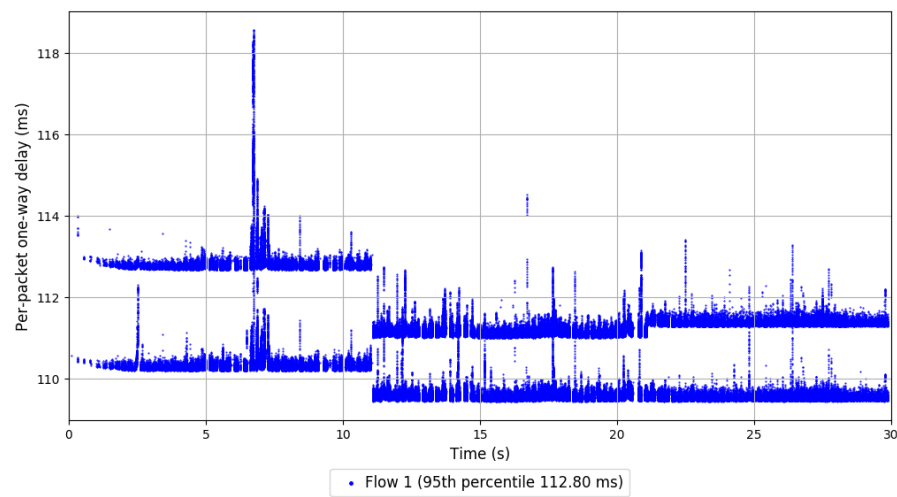
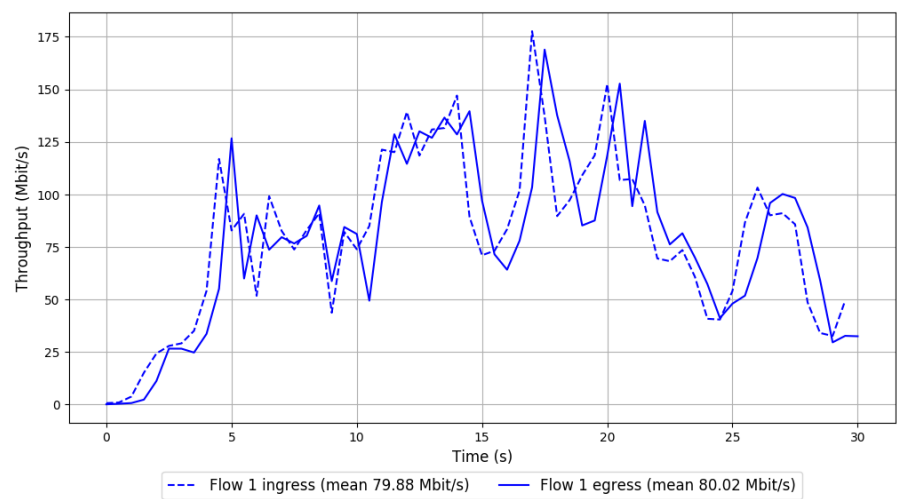


Run 5: Statistics of Copa

Start at: 2018-08-01 14:00:06
End at: 2018-08-01 14:00:36
Local clock offset: -0.456 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-08-01 16:21:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.02 Mbit/s
95th percentile per-packet one-way delay: 112.800 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 80.02 Mbit/s
95th percentile per-packet one-way delay: 112.800 ms
Loss rate: 0.57%

Run 5: Report of Copa — Data Link

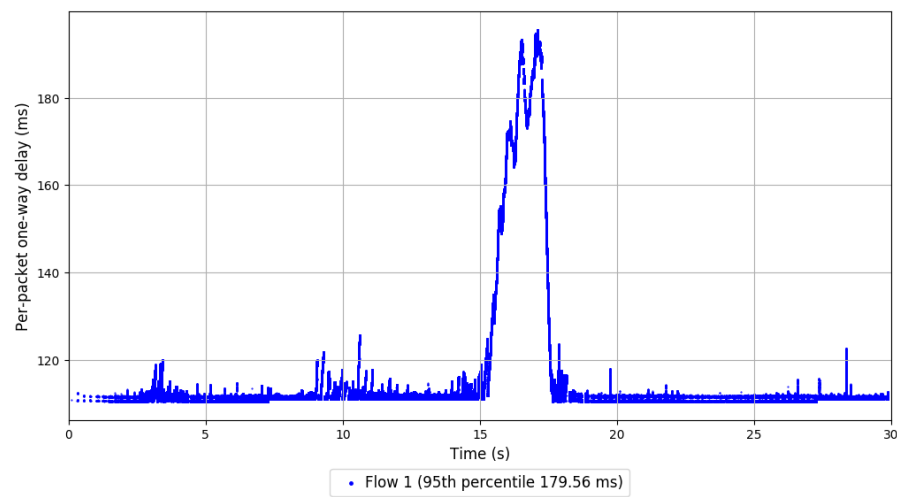
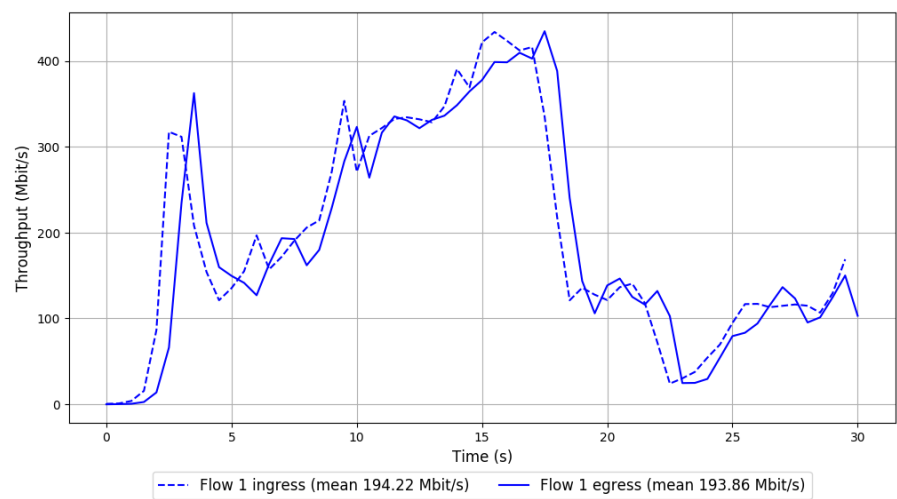


Run 6: Statistics of Copa

Start at: 2018-08-01 14:22:10
End at: 2018-08-01 14:22:40
Local clock offset: -0.348 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-08-01 16:21:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.86 Mbit/s
95th percentile per-packet one-way delay: 179.560 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 193.86 Mbit/s
95th percentile per-packet one-way delay: 179.560 ms
Loss rate: 0.92%

Run 6: Report of Copa — Data Link

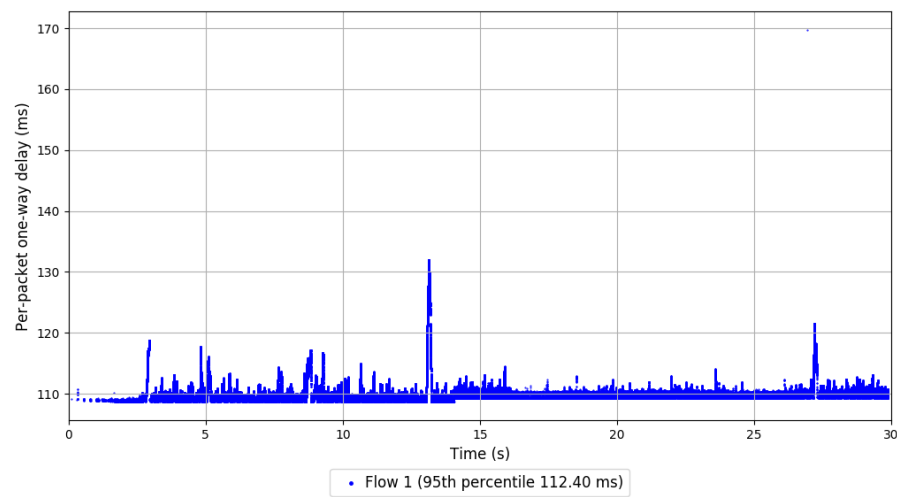
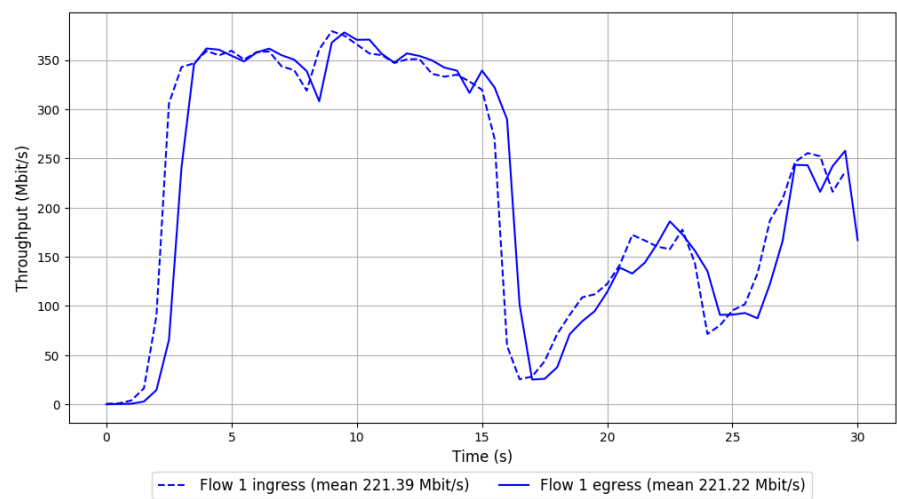


Run 7: Statistics of Copa

Start at: 2018-08-01 14:44:53
End at: 2018-08-01 14:45:23
Local clock offset: -1.581 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-01 16:21:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.22 Mbit/s
95th percentile per-packet one-way delay: 112.403 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 221.22 Mbit/s
95th percentile per-packet one-way delay: 112.403 ms
Loss rate: 0.81%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-01 15:07:45

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

Local clock offset: -0.181 ms

Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-08-01 16:21:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.26 Mbit/s

95th percentile per-packet one-way delay: 115.014 ms

Loss rate: 1.21%

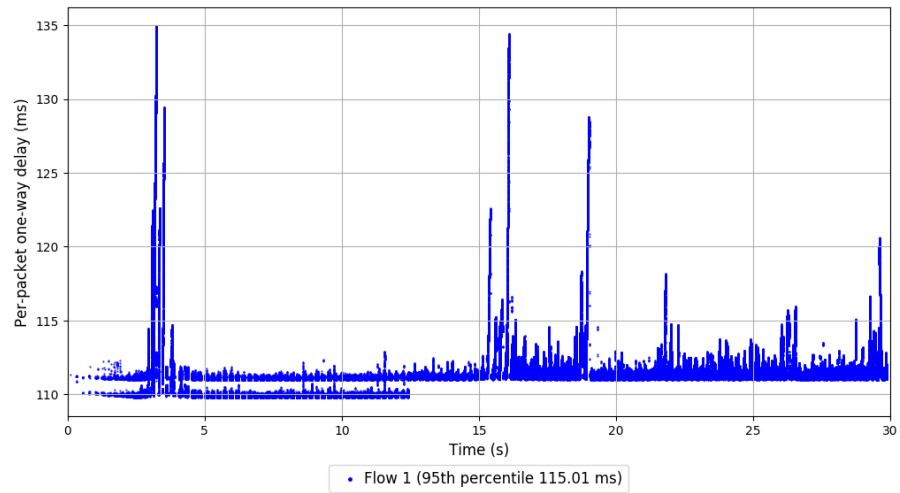
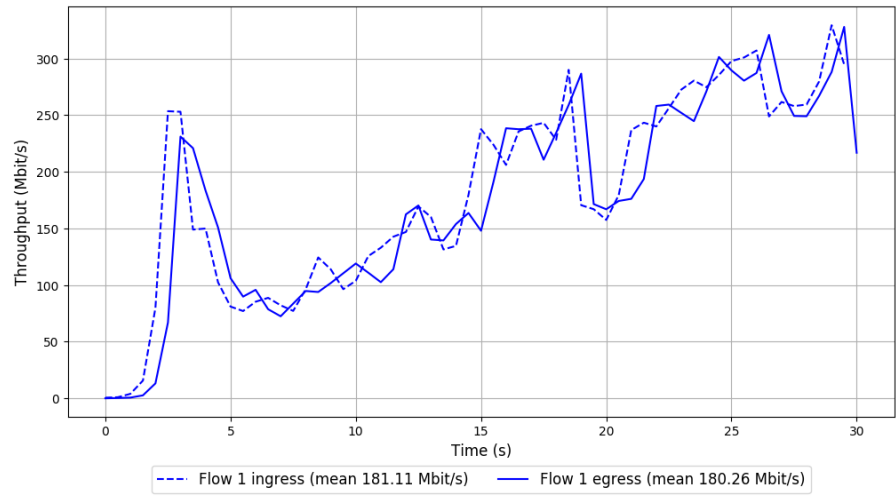
-- Flow 1:

Average throughput: 180.26 Mbit/s

95th percentile per-packet one-way delay: 115.014 ms

Loss rate: 1.21%

Run 8: Report of Copa — Data Link

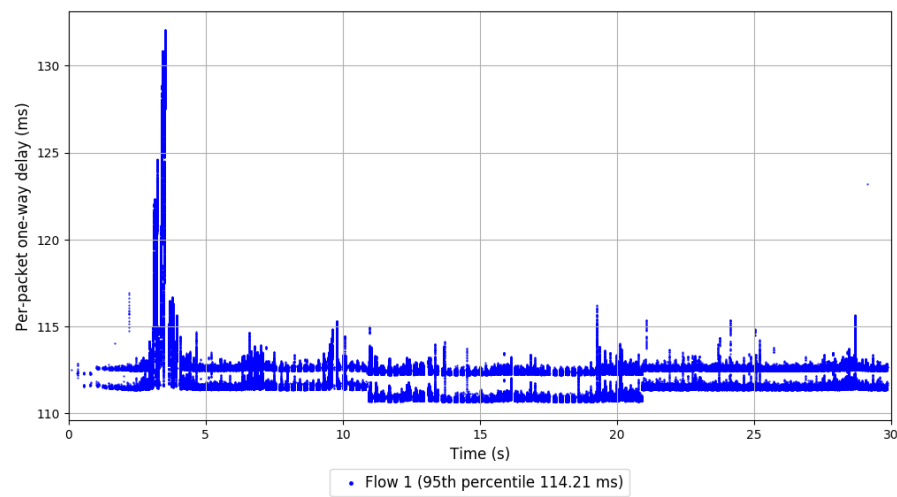
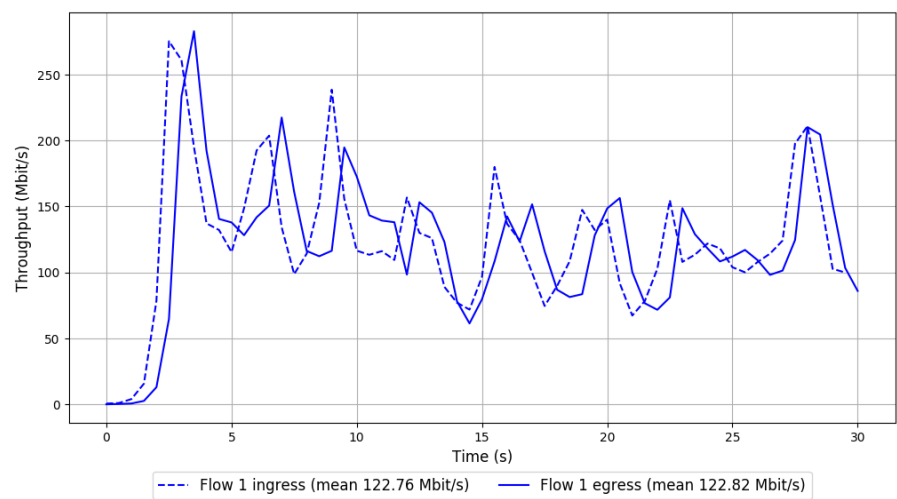


Run 9: Statistics of Copa

Start at: 2018-08-01 15:30:16
End at: 2018-08-01 15:30:46
Local clock offset: 1.055 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-01 16:21:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.82 Mbit/s
95th percentile per-packet one-way delay: 114.211 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 122.82 Mbit/s
95th percentile per-packet one-way delay: 114.211 ms
Loss rate: 0.66%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-01 15:52:55

End at: 2018-08-01 15:53:25

Local clock offset: -0.102 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-08-01 16:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.25 Mbit/s

95th percentile per-packet one-way delay: 112.211 ms

Loss rate: 1.01%

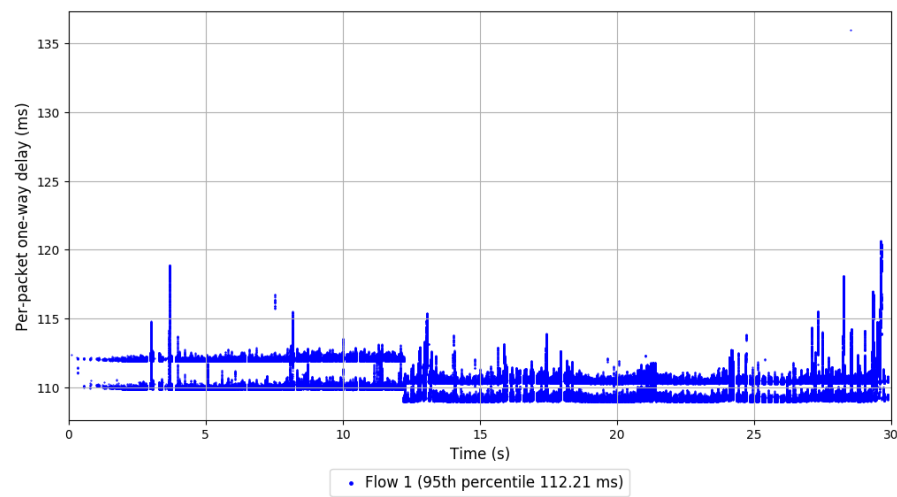
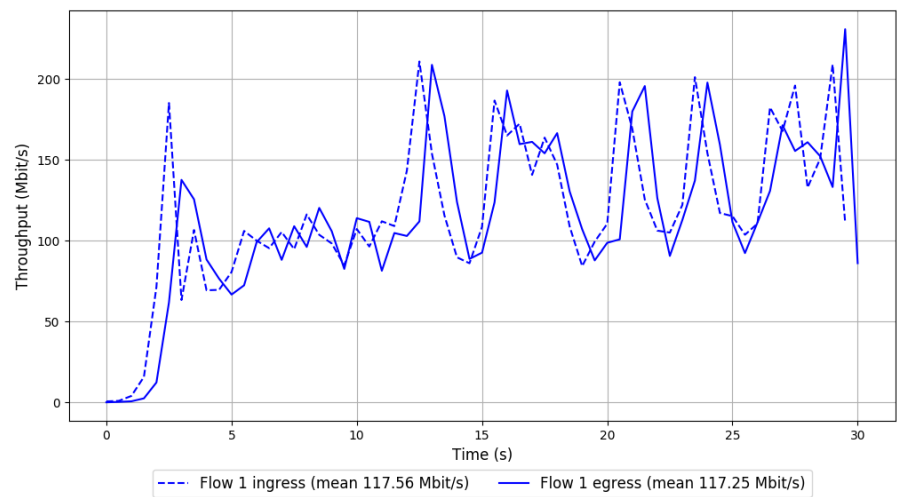
-- Flow 1:

Average throughput: 117.25 Mbit/s

95th percentile per-packet one-way delay: 112.211 ms

Loss rate: 1.01%

Run 10: Report of Copa — Data Link

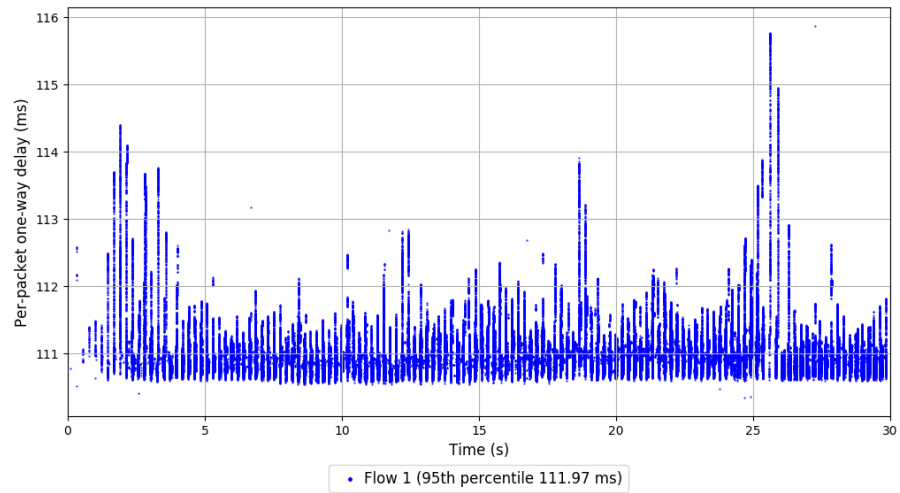
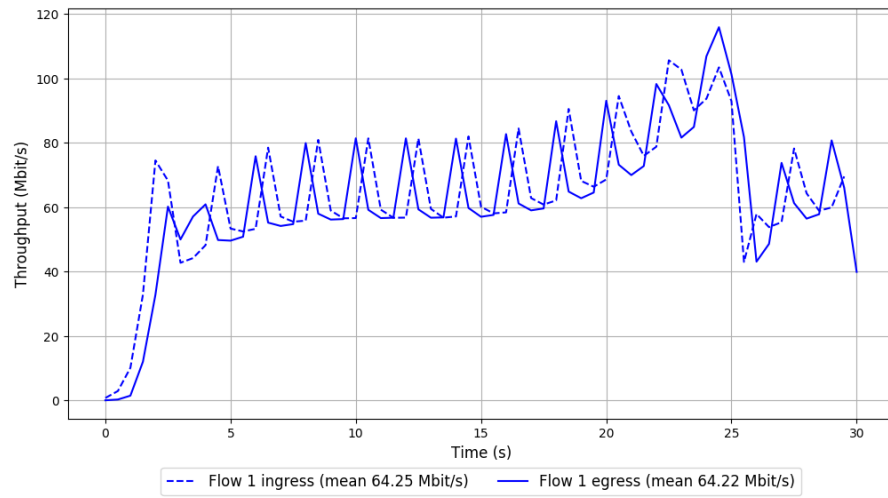


Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 12:16:39
End at: 2018-08-01 12:17:09
Local clock offset: -0.027 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2018-08-01 16:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 111.970 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 111.970 ms
Loss rate: 0.78%

Run 1: Report of TCP Cubic — Data Link

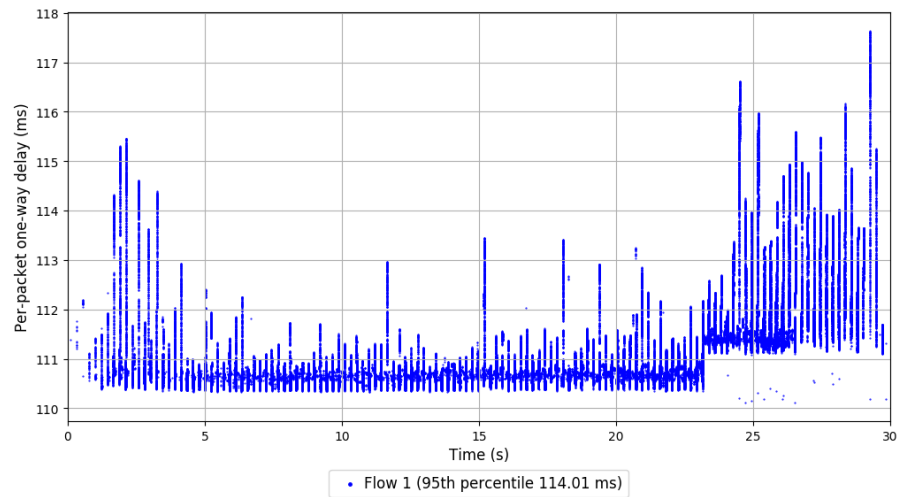
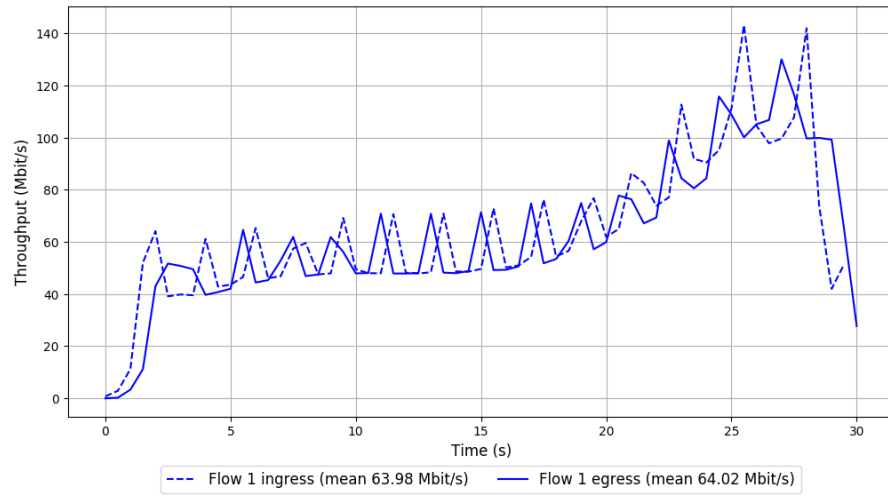


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 12:39:14
End at: 2018-08-01 12:39:44
Local clock offset: 0.054 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-01 16:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 114.006 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 114.006 ms
Loss rate: 0.68%

Run 2: Report of TCP Cubic — Data Link

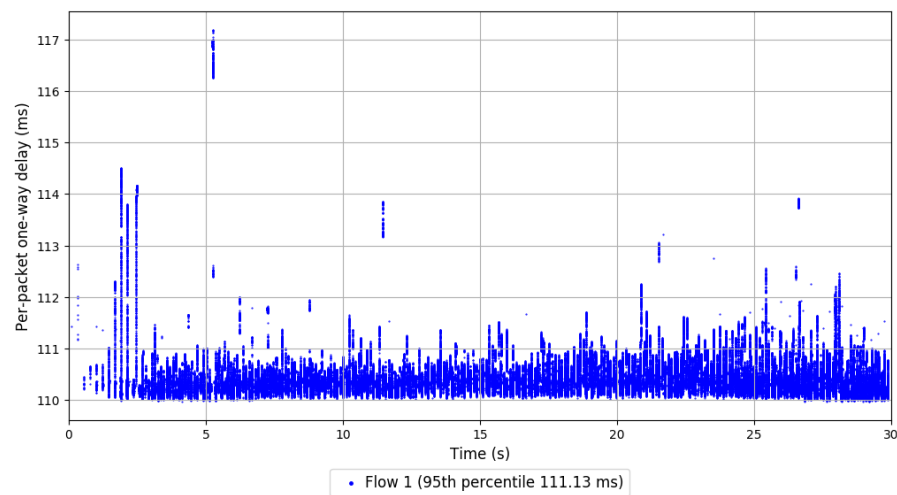
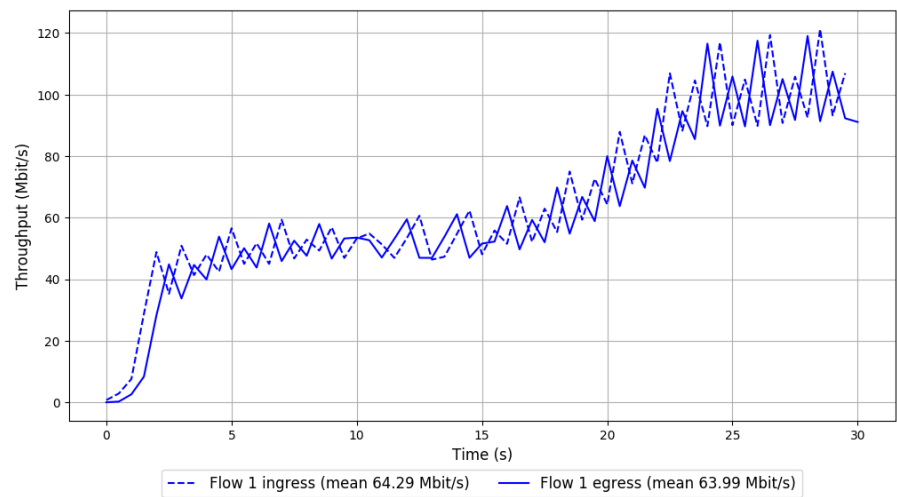


Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 13:02:00
End at: 2018-08-01 13:02:30
Local clock offset: -0.349 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-01 16:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 111.132 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 111.132 ms
Loss rate: 1.22%

Run 3: Report of TCP Cubic — Data Link

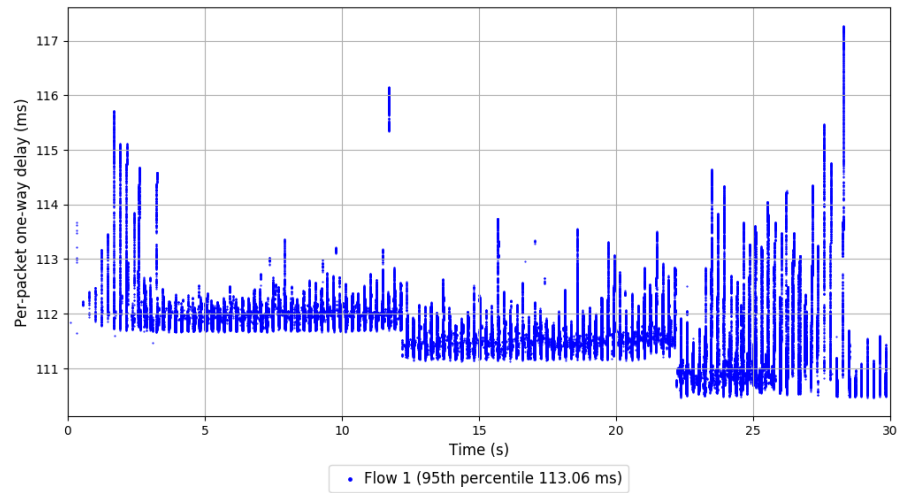
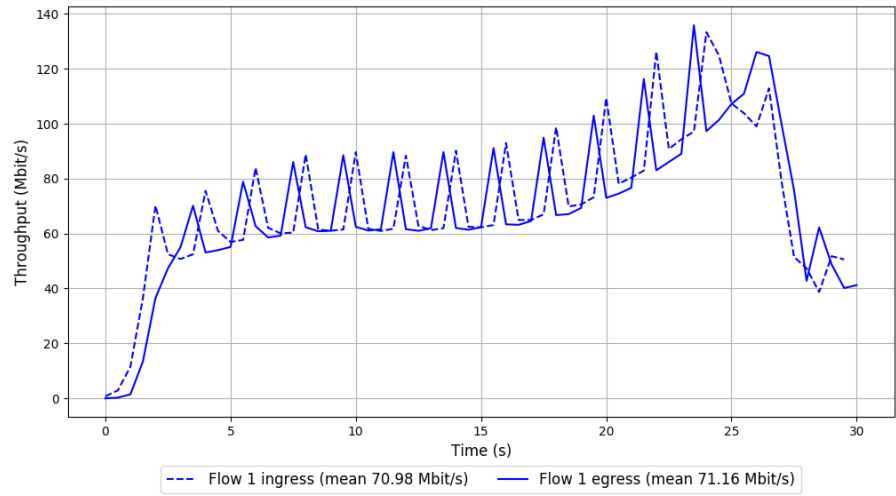


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 13:24:45
End at: 2018-08-01 13:25:15
Local clock offset: 0.079 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-01 16:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 113.056 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 113.056 ms
Loss rate: 0.49%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 13:47:17

End at: 2018-08-01 13:47:47

Local clock offset: -0.146 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-08-01 16:21:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.61 Mbit/s

95th percentile per-packet one-way delay: 115.676 ms

Loss rate: 1.26%

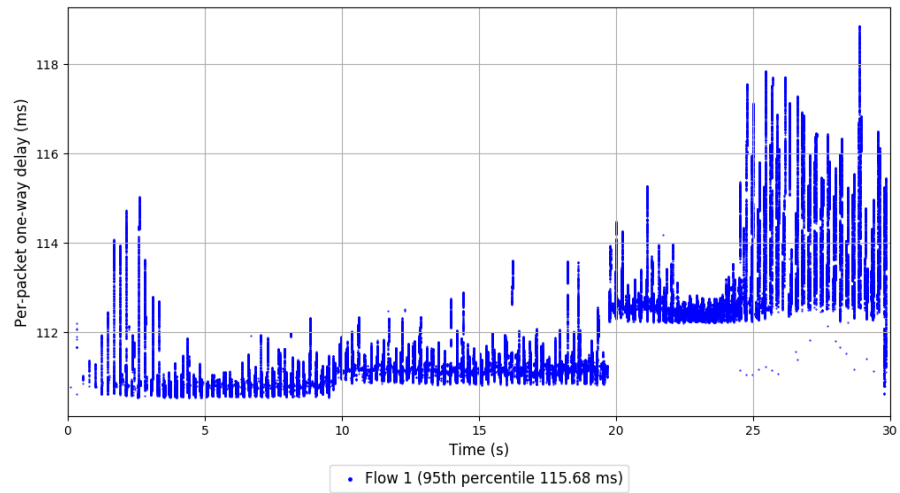
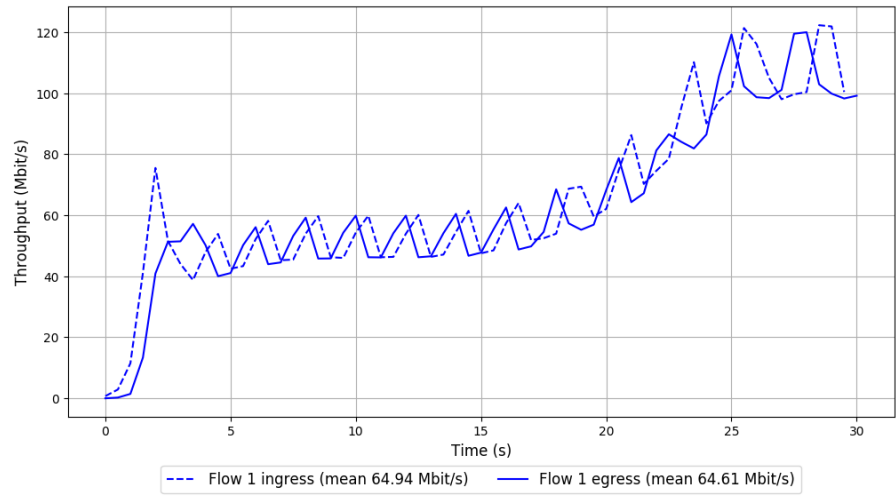
-- Flow 1:

Average throughput: 64.61 Mbit/s

95th percentile per-packet one-way delay: 115.676 ms

Loss rate: 1.26%

Run 5: Report of TCP Cubic — Data Link

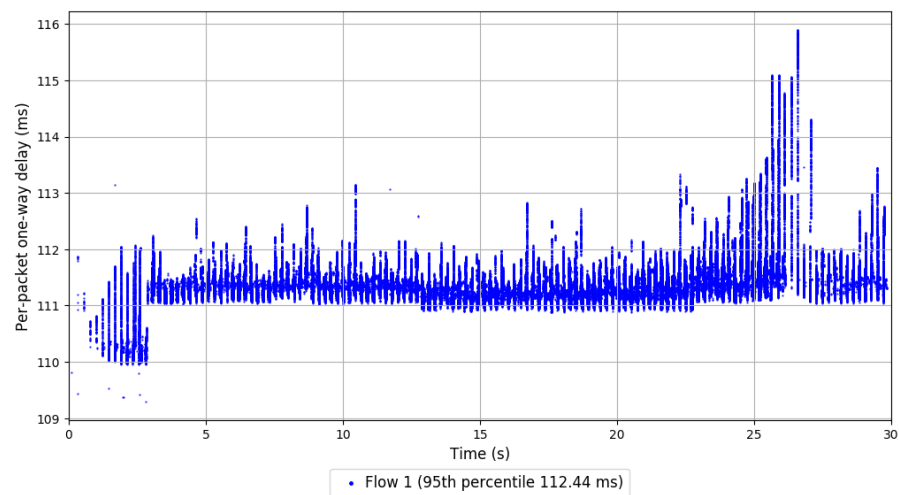
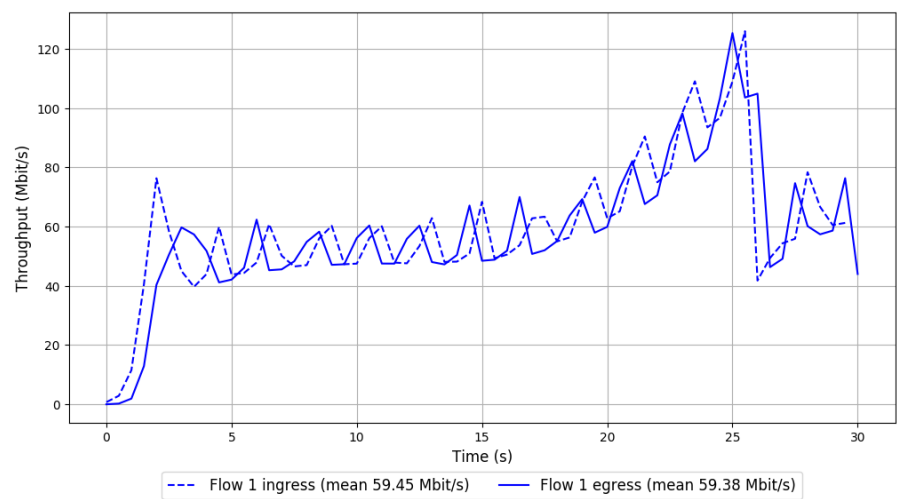


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 14:09:34
End at: 2018-08-01 14:10:04
Local clock offset: -0.382 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-01 16:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 112.442 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 112.442 ms
Loss rate: 0.86%

Run 6: Report of TCP Cubic — Data Link

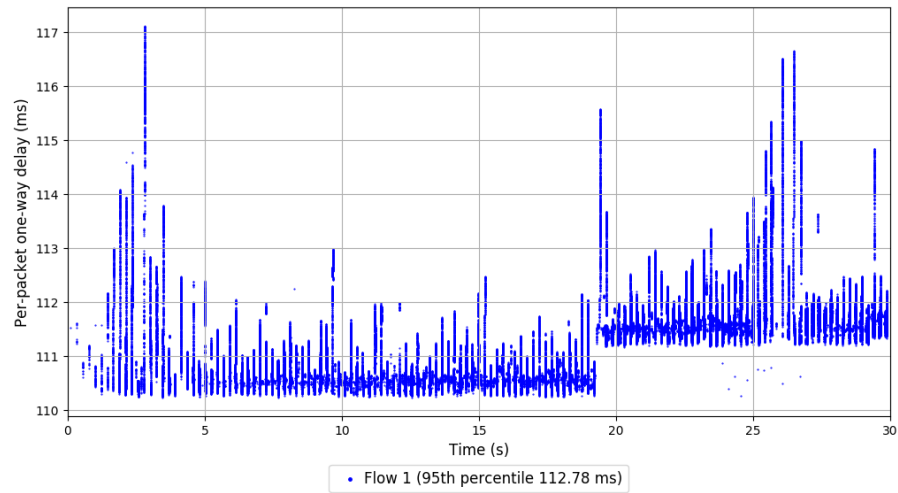
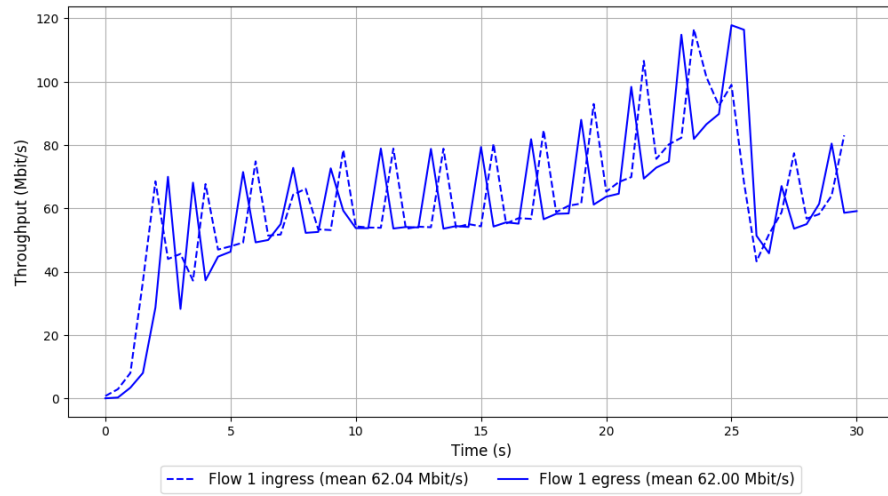


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 14:32:08
End at: 2018-08-01 14:32:38
Local clock offset: -0.091 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-01 16:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 112.777 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 112.777 ms
Loss rate: 0.81%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 14:54:56

End at: 2018-08-01 14:55:26

Local clock offset: -0.455 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-01 16:21:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 115.057 ms

Loss rate: 1.27%

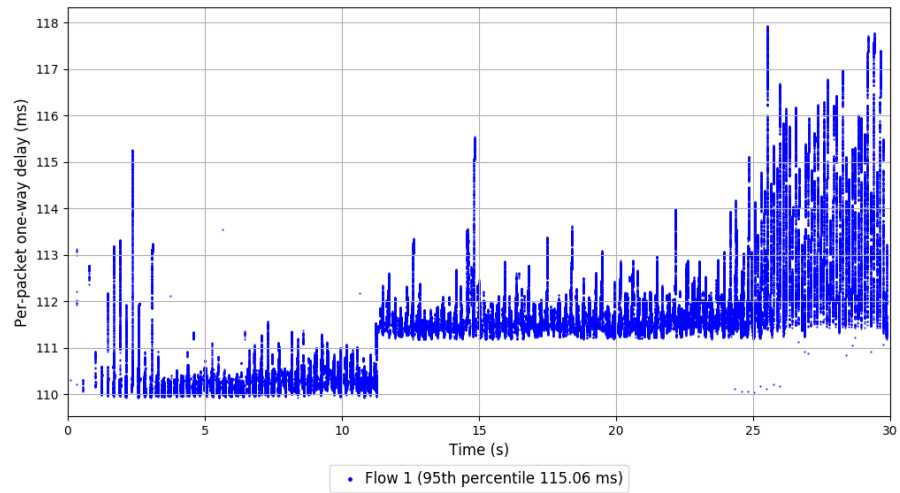
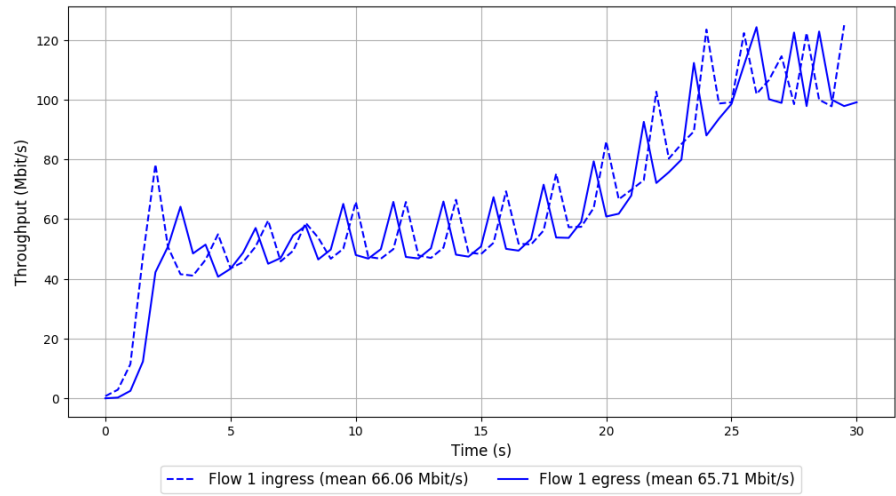
-- Flow 1:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 115.057 ms

Loss rate: 1.27%

Run 8: Report of TCP Cubic — Data Link

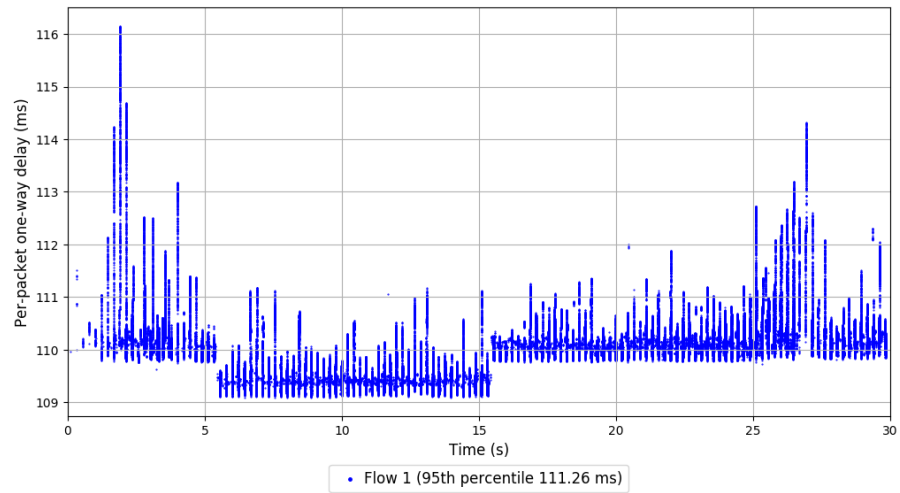
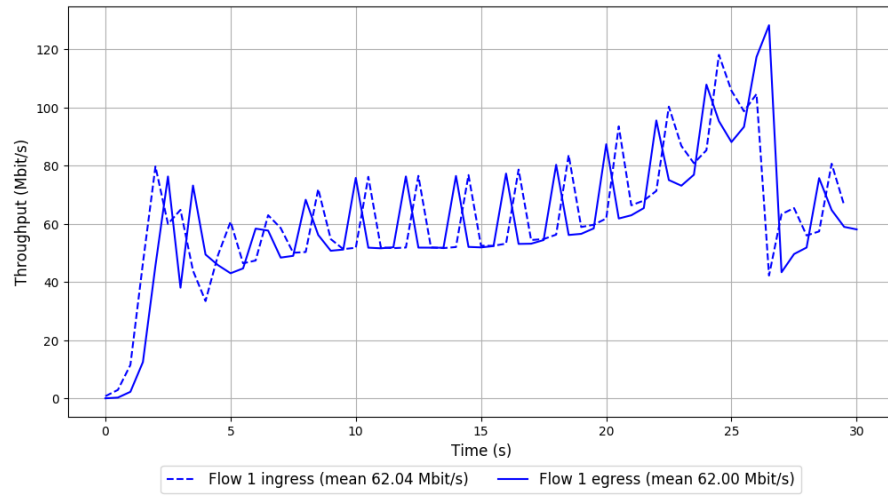


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 15:17:32
End at: 2018-08-01 15:18:02
Local clock offset: -0.606 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-01 16:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 111.261 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 111.261 ms
Loss rate: 0.81%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 15:40:13

End at: 2018-08-01 15:40:44

Local clock offset: -0.258 ms

Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-01 16:21:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 111.914 ms

Loss rate: 0.75%

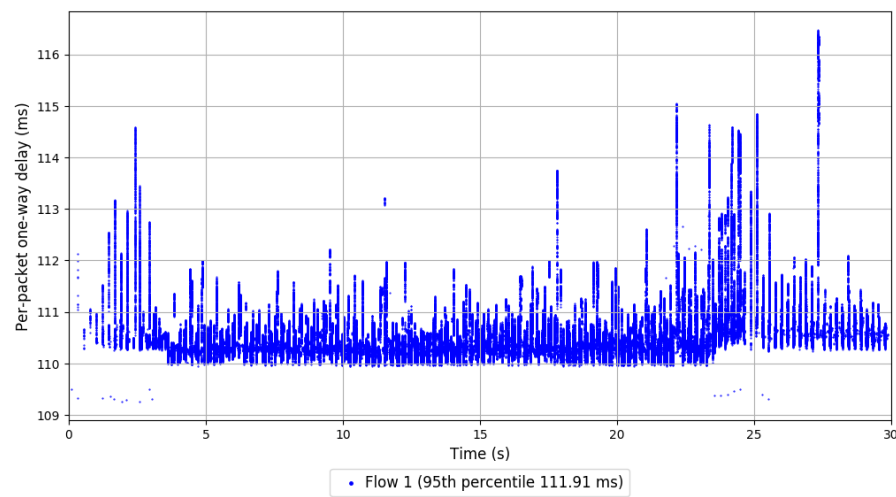
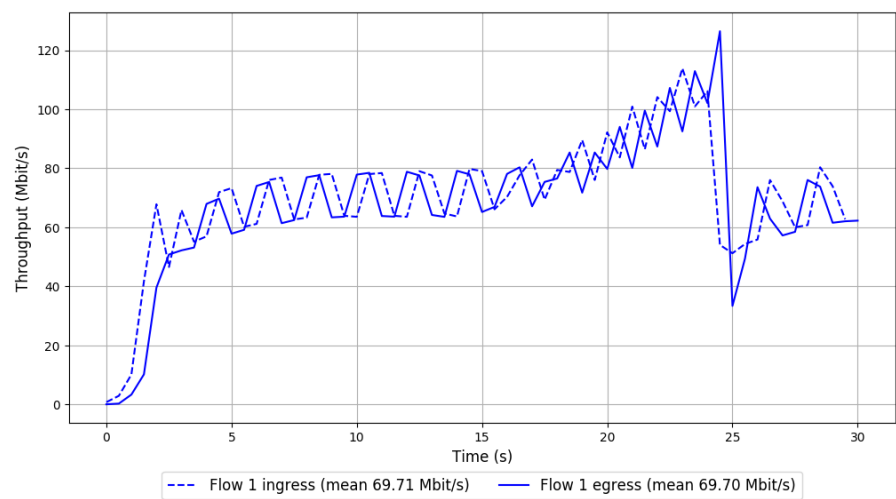
-- Flow 1:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 111.914 ms

Loss rate: 0.75%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-01 12:25:02

End at: 2018-08-01 12:25:32

Local clock offset: 0.27 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-08-01 16:37:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 835.22 Mbit/s

95th percentile per-packet one-way delay: 162.038 ms

Loss rate: 1.11%

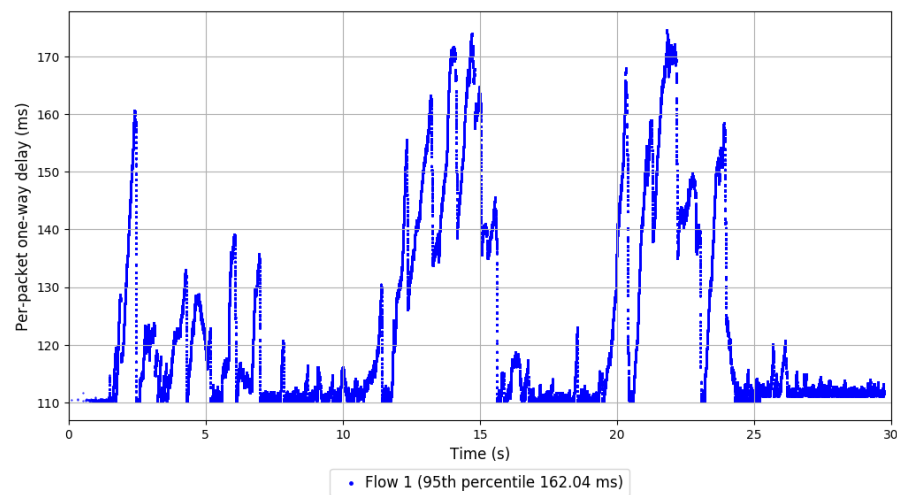
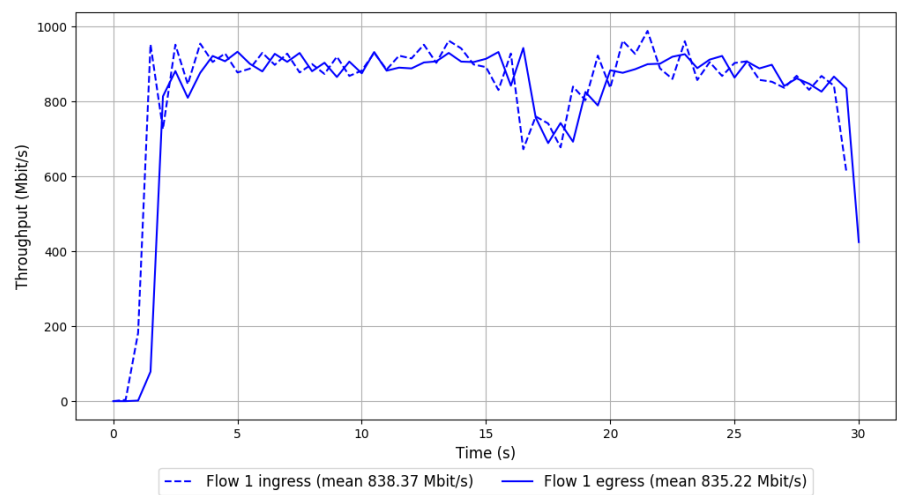
-- Flow 1:

Average throughput: 835.22 Mbit/s

95th percentile per-packet one-way delay: 162.038 ms

Loss rate: 1.11%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-01 12:47:37

End at: 2018-08-01 12:48:07

Local clock offset: -0.215 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-08-01 16:37:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 825.10 Mbit/s

95th percentile per-packet one-way delay: 169.758 ms

Loss rate: 1.60%

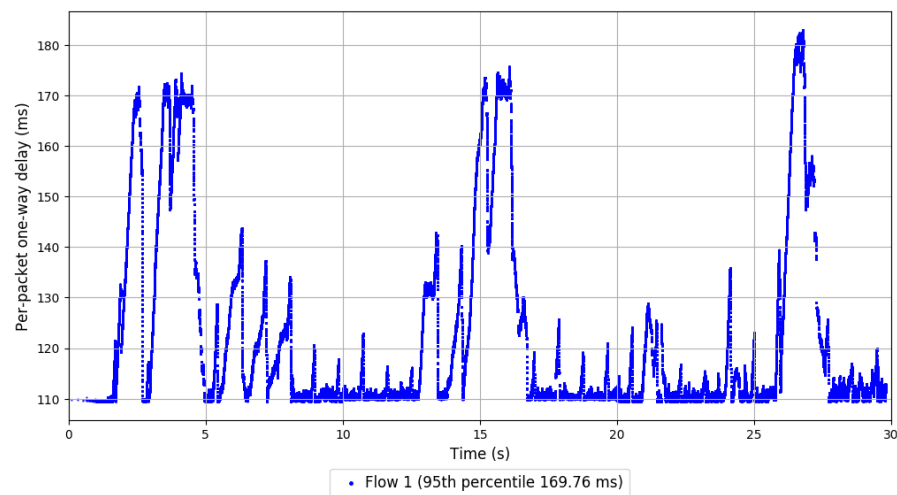
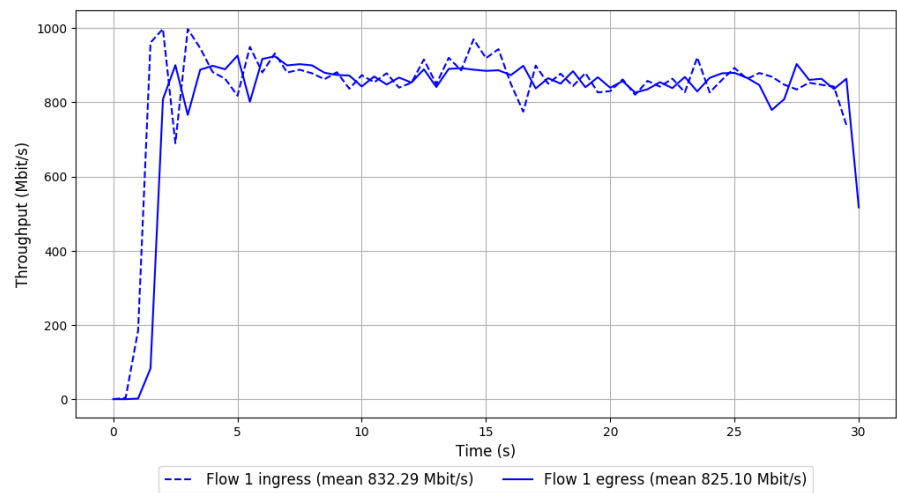
-- Flow 1:

Average throughput: 825.10 Mbit/s

95th percentile per-packet one-way delay: 169.758 ms

Loss rate: 1.60%

Run 2: Report of FillP — Data Link

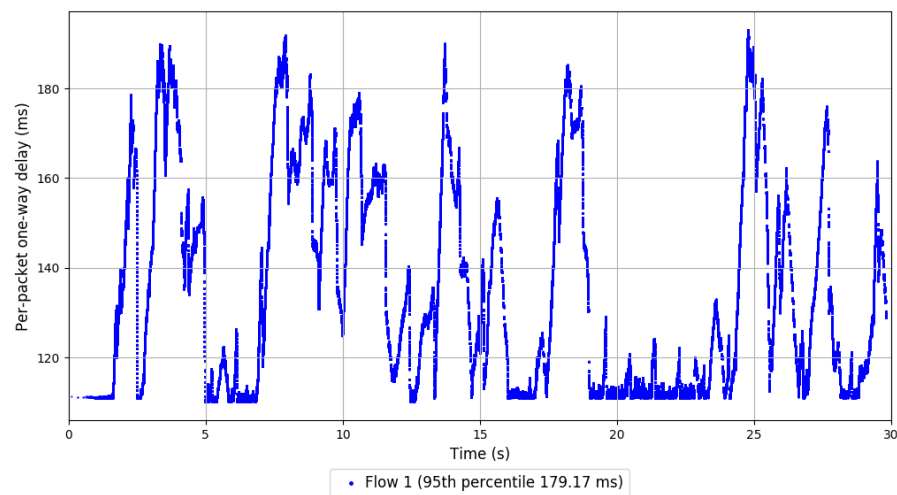
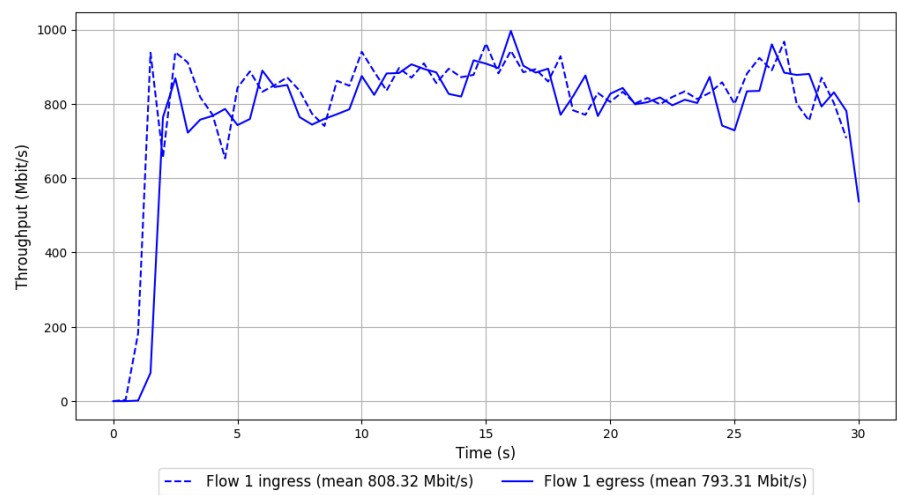


Run 3: Statistics of FillP

Start at: 2018-08-01 13:10:24
End at: 2018-08-01 13:10:54
Local clock offset: -0.182 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-08-01 16:37:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 793.31 Mbit/s
95th percentile per-packet one-way delay: 179.172 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 793.31 Mbit/s
95th percentile per-packet one-way delay: 179.172 ms
Loss rate: 2.59%

Run 3: Report of FillP — Data Link

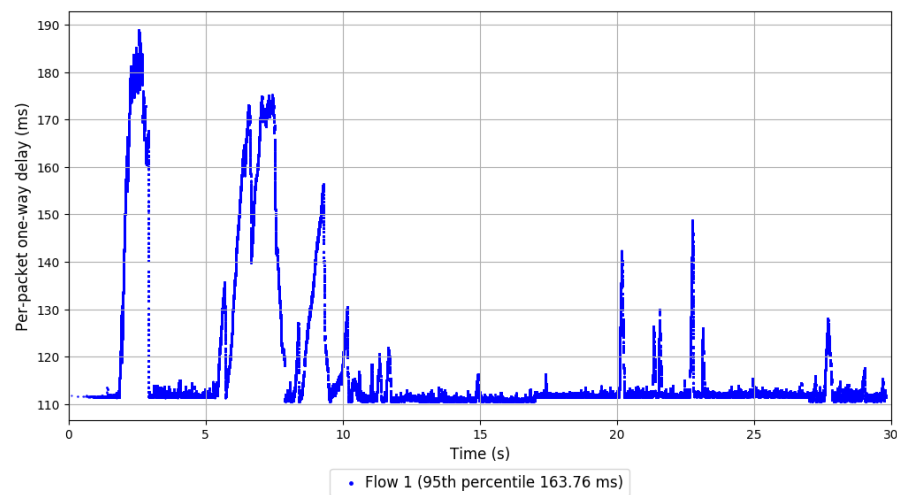
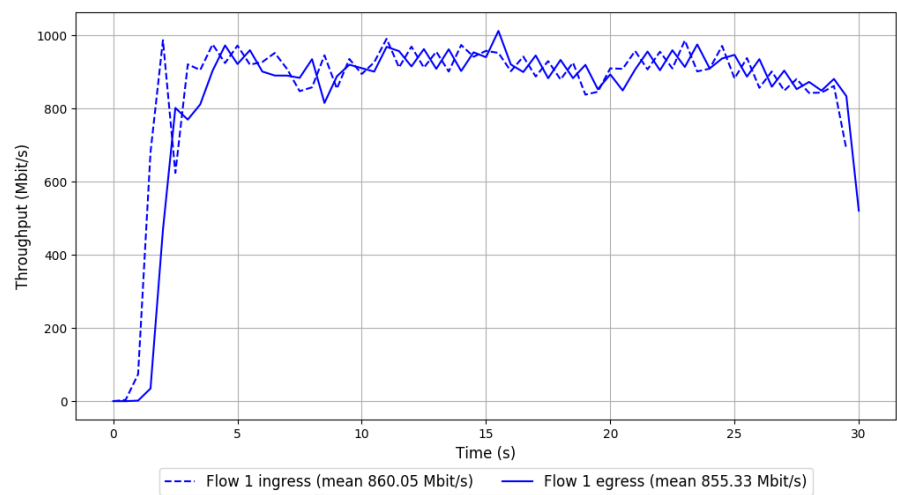


Run 4: Statistics of FillP

Start at: 2018-08-01 13:33:10
End at: 2018-08-01 13:33:40
Local clock offset: -0.347 ms
Remote clock offset: -0.553 ms

Below is generated by plot.py at 2018-08-01 16:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 855.33 Mbit/s
95th percentile per-packet one-way delay: 163.756 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 855.33 Mbit/s
95th percentile per-packet one-way delay: 163.756 ms
Loss rate: 1.29%

Run 4: Report of FillP — Data Link

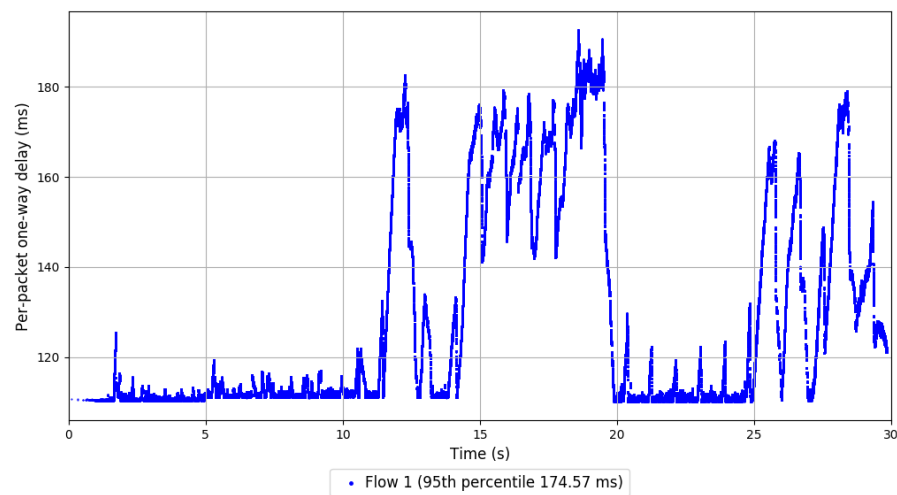
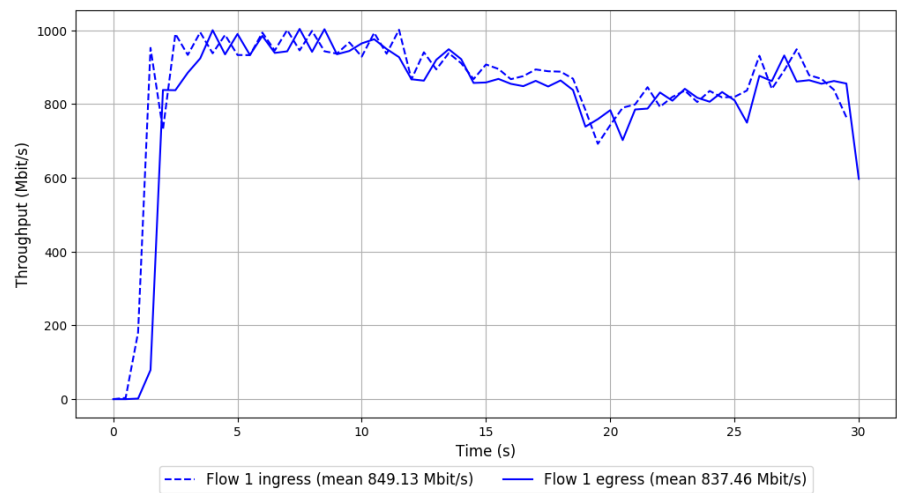


Run 5: Statistics of FillP

Start at: 2018-08-01 13:55:42
End at: 2018-08-01 13:56:12
Local clock offset: -0.425 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-08-01 16:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 837.46 Mbit/s
95th percentile per-packet one-way delay: 174.575 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 837.46 Mbit/s
95th percentile per-packet one-way delay: 174.575 ms
Loss rate: 2.11%

Run 5: Report of FillP — Data Link

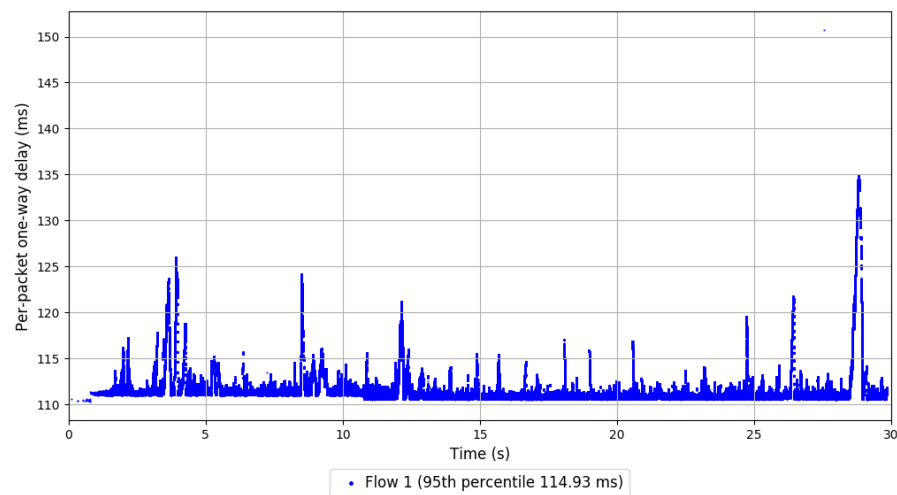
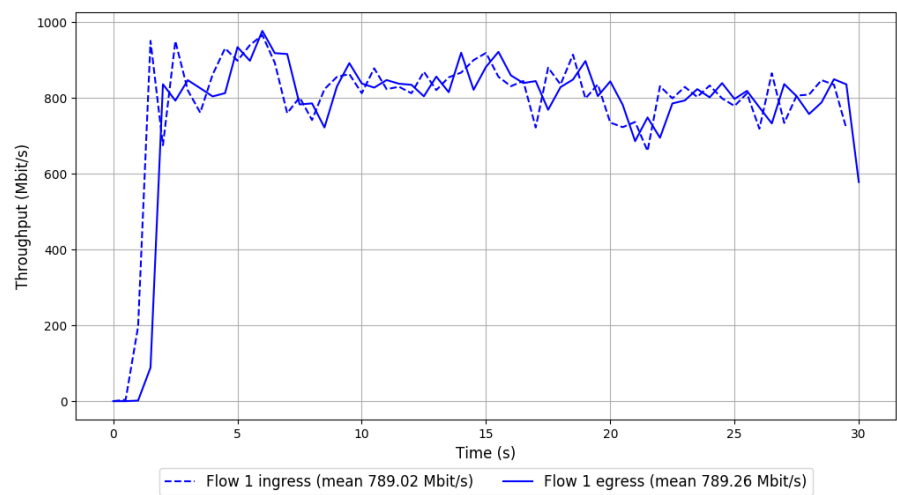


Run 6: Statistics of FillP

Start at: 2018-08-01 14:17:56
End at: 2018-08-01 14:18:26
Local clock offset: -0.424 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-01 16:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 789.26 Mbit/s
95th percentile per-packet one-way delay: 114.930 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 789.26 Mbit/s
95th percentile per-packet one-way delay: 114.930 ms
Loss rate: 0.71%

Run 6: Report of FillP — Data Link

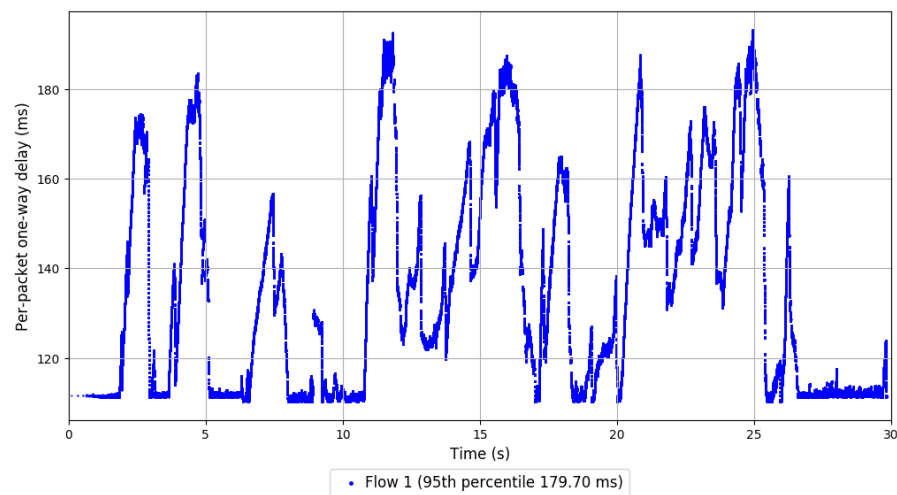
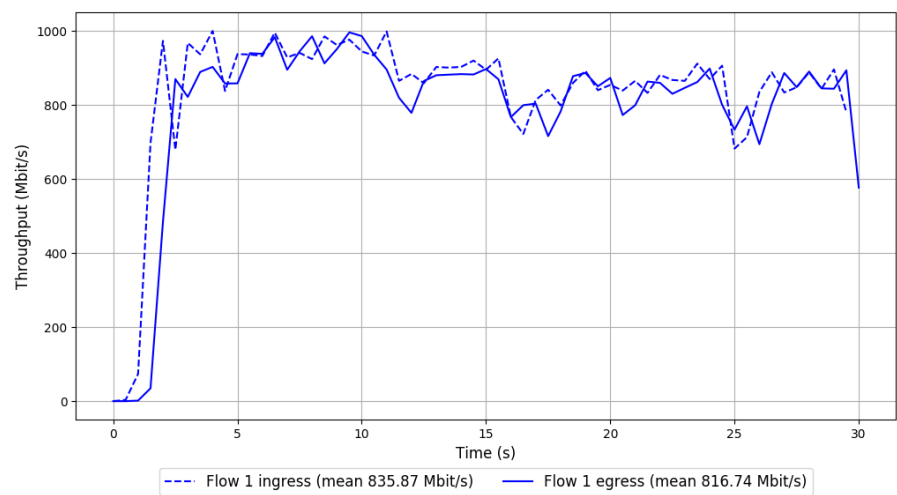


Run 7: Statistics of FillP

Start at: 2018-08-01 14:40:31
End at: 2018-08-01 14:41:01
Local clock offset: -0.228 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-08-01 16:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 816.74 Mbit/s
95th percentile per-packet one-way delay: 179.698 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 816.74 Mbit/s
95th percentile per-packet one-way delay: 179.698 ms
Loss rate: 3.03%

Run 7: Report of FillP — Data Link

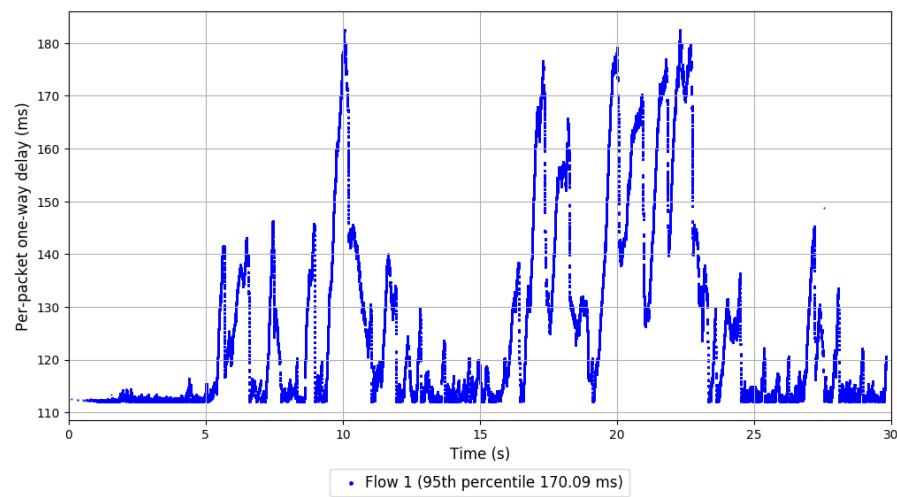
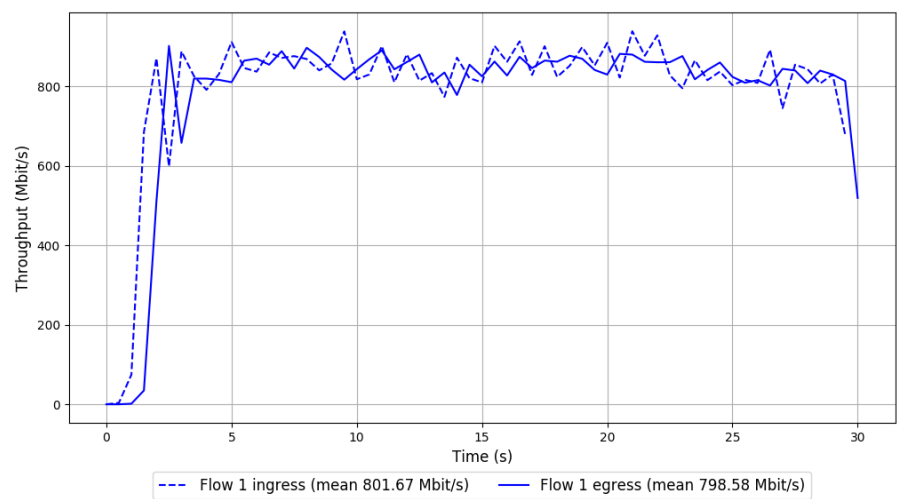


Run 8: Statistics of FillP

Start at: 2018-08-01 15:03:20
End at: 2018-08-01 15:03:50
Local clock offset: 0.08 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-08-01 16:37:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 798.58 Mbit/s
95th percentile per-packet one-way delay: 170.091 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 798.58 Mbit/s
95th percentile per-packet one-way delay: 170.091 ms
Loss rate: 1.13%

Run 8: Report of FillP — Data Link

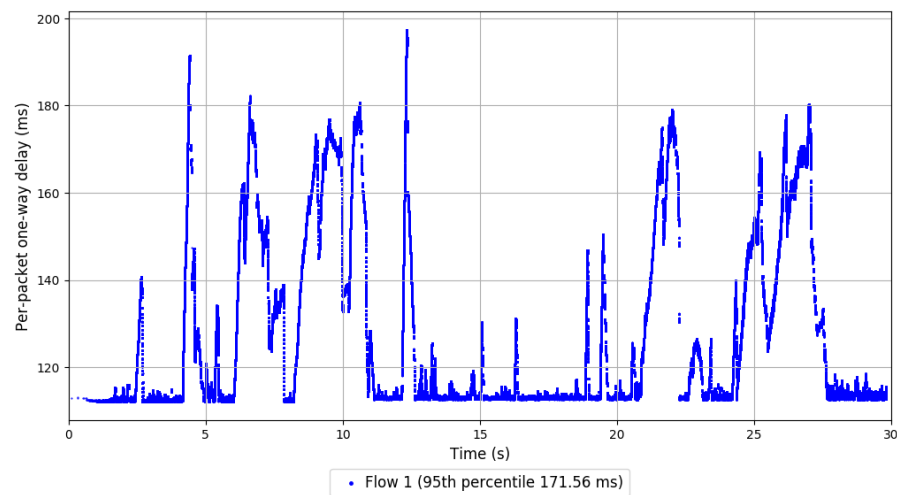
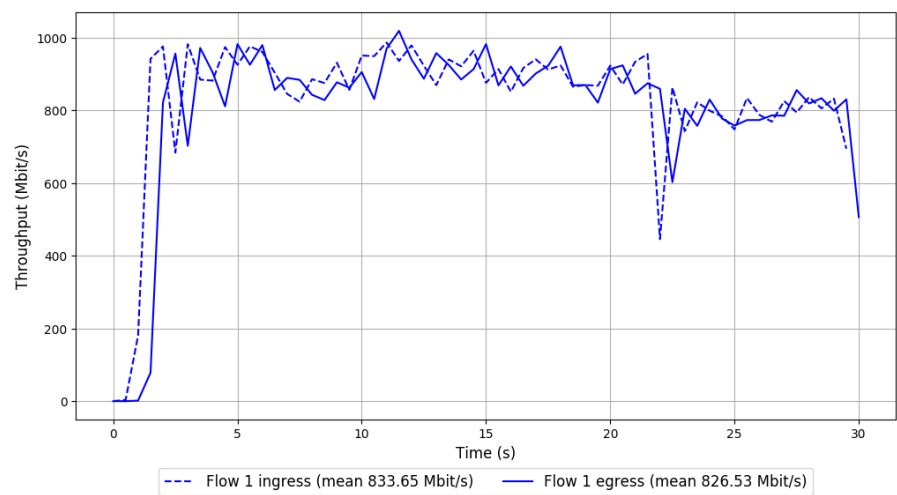


Run 9: Statistics of FillP

Start at: 2018-08-01 15:25:56
End at: 2018-08-01 15:26:26
Local clock offset: 0.902 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-01 16:53:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 826.53 Mbit/s
95th percentile per-packet one-way delay: 171.560 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 826.53 Mbit/s
95th percentile per-packet one-way delay: 171.560 ms
Loss rate: 1.60%

Run 9: Report of FillP — Data Link

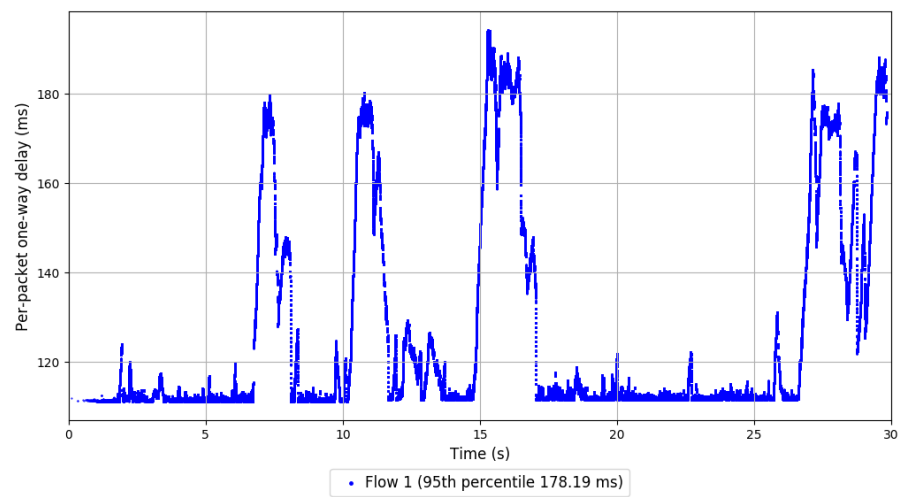
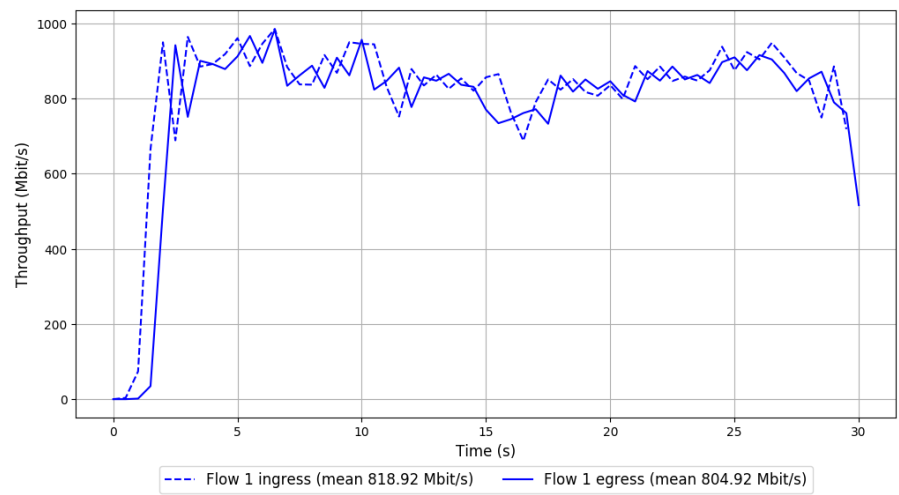


Run 10: Statistics of FillP

Start at: 2018-08-01 15:48:37
End at: 2018-08-01 15:49:07
Local clock offset: 0.043 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-01 16:53:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 804.92 Mbit/s
95th percentile per-packet one-way delay: 178.187 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 804.92 Mbit/s
95th percentile per-packet one-way delay: 178.187 ms
Loss rate: 2.45%

Run 10: Report of FillP — Data Link

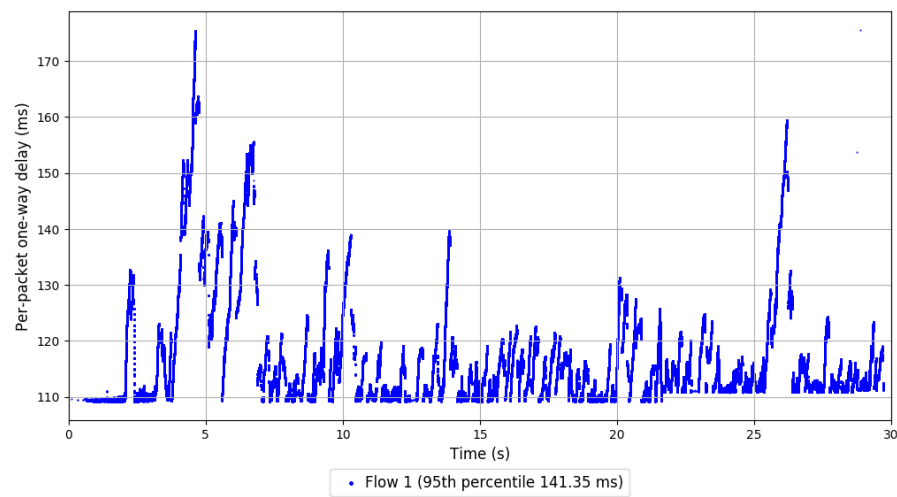
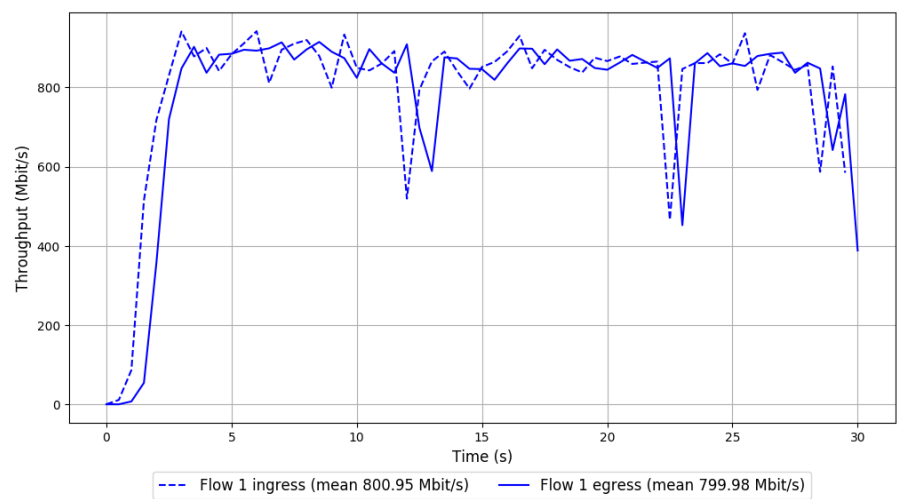


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 12:36:18
End at: 2018-08-01 12:36:48
Local clock offset: -0.171 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-08-01 16:53:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 799.98 Mbit/s
95th percentile per-packet one-way delay: 141.347 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 799.98 Mbit/s
95th percentile per-packet one-way delay: 141.347 ms
Loss rate: 0.87%

Run 1: Report of FillP-Sheep — Data Link

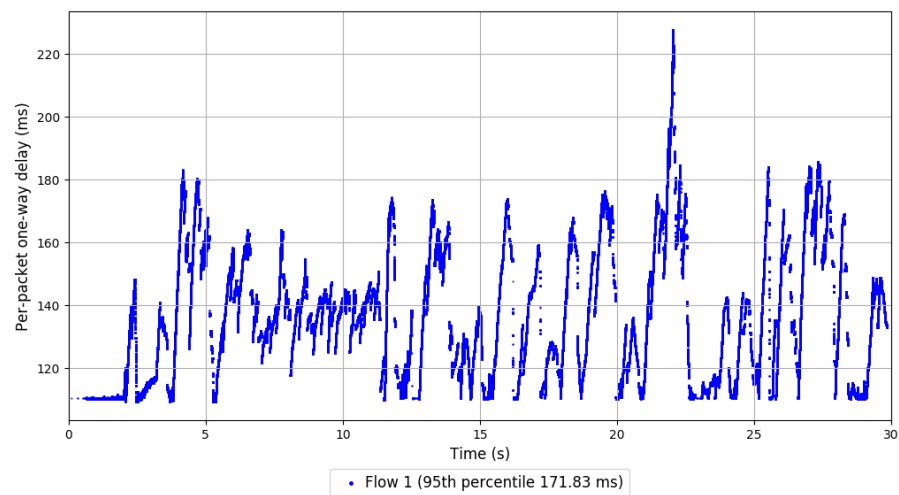
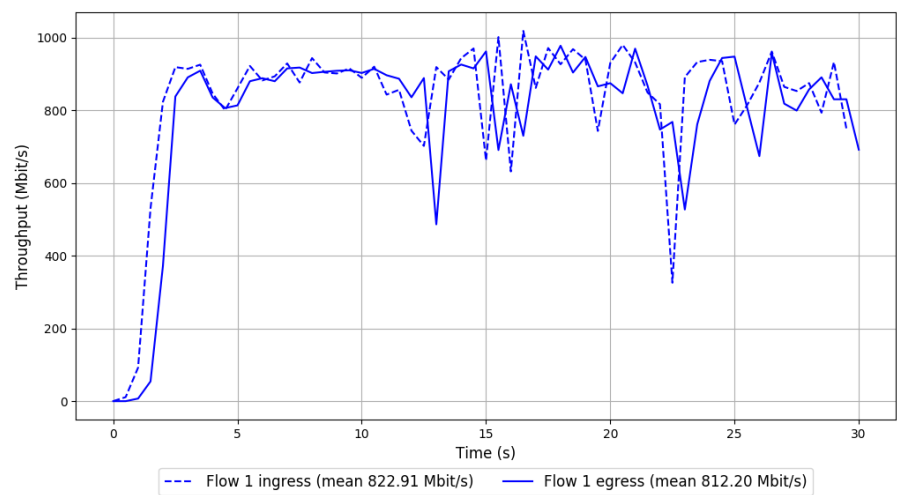


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 12:59:05
End at: 2018-08-01 12:59:35
Local clock offset: 0.005 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-08-01 16:53:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 812.20 Mbit/s
95th percentile per-packet one-way delay: 171.834 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 812.20 Mbit/s
95th percentile per-packet one-way delay: 171.834 ms
Loss rate: 2.03%

Run 2: Report of FillP-Sheep — Data Link

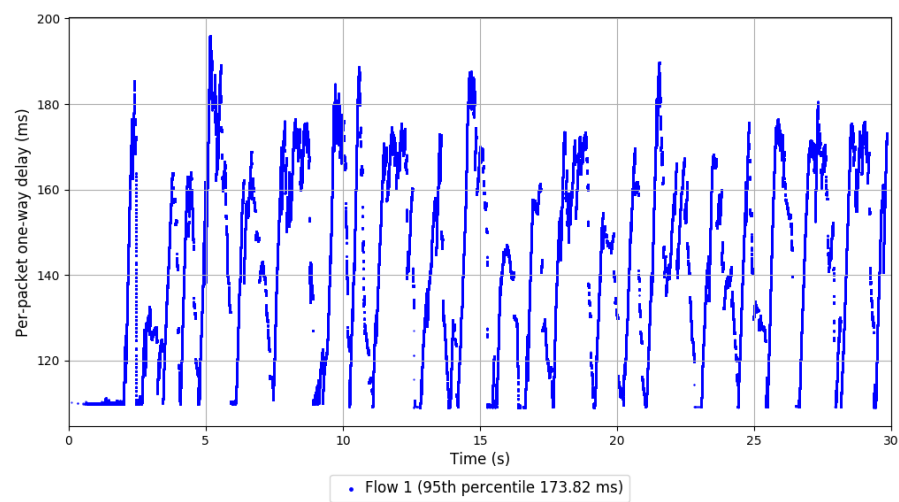
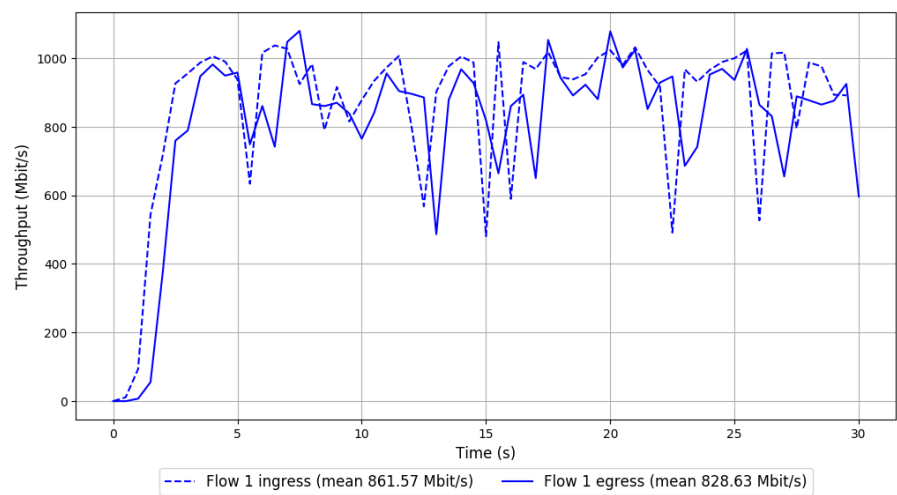


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 13:21:47
End at: 2018-08-01 13:22:17
Local clock offset: -0.34 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-01 16:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 828.63 Mbit/s
95th percentile per-packet one-way delay: 173.820 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 828.63 Mbit/s
95th percentile per-packet one-way delay: 173.820 ms
Loss rate: 4.54%

Run 3: Report of FillP-Sheep — Data Link

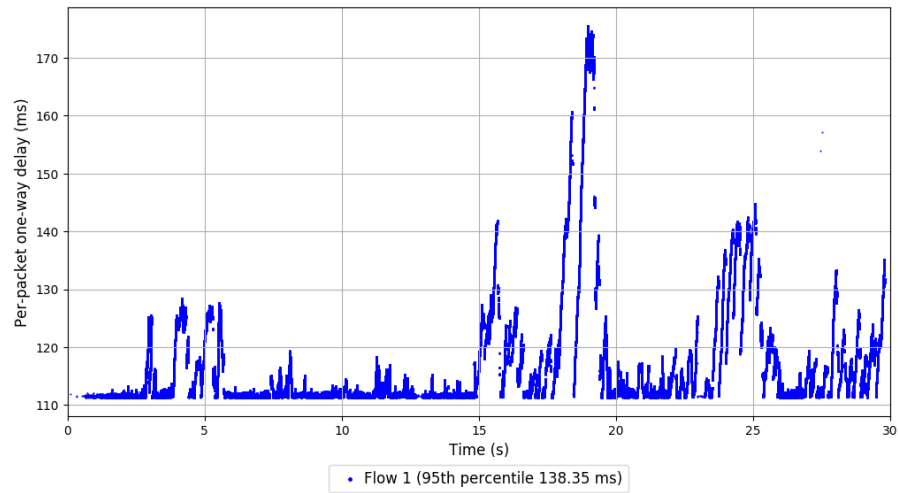
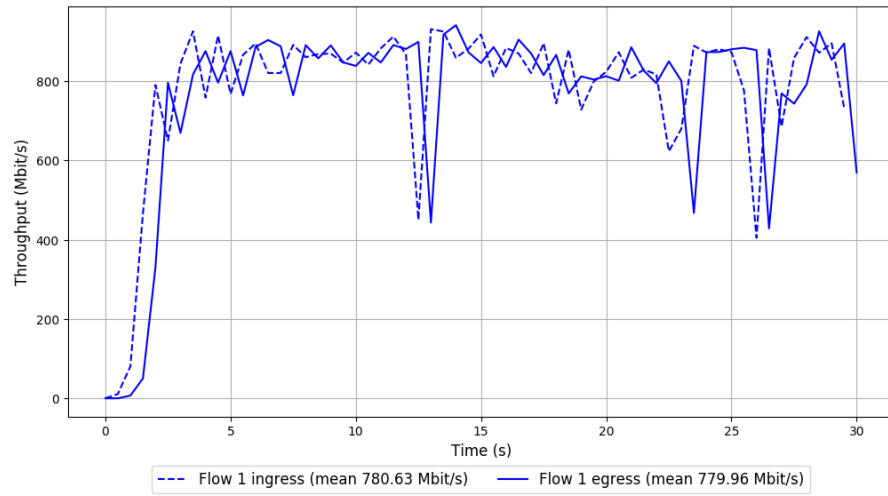


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 13:44:23
End at: 2018-08-01 13:44:53
Local clock offset: 0.007 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-01 16:54:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 779.96 Mbit/s
95th percentile per-packet one-way delay: 138.355 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 779.96 Mbit/s
95th percentile per-packet one-way delay: 138.355 ms
Loss rate: 0.83%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 14:06:37

End at: 2018-08-01 14:07:07

Local clock offset: -0.297 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-08-01 16:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 835.50 Mbit/s

95th percentile per-packet one-way delay: 160.078 ms

Loss rate: 0.89%

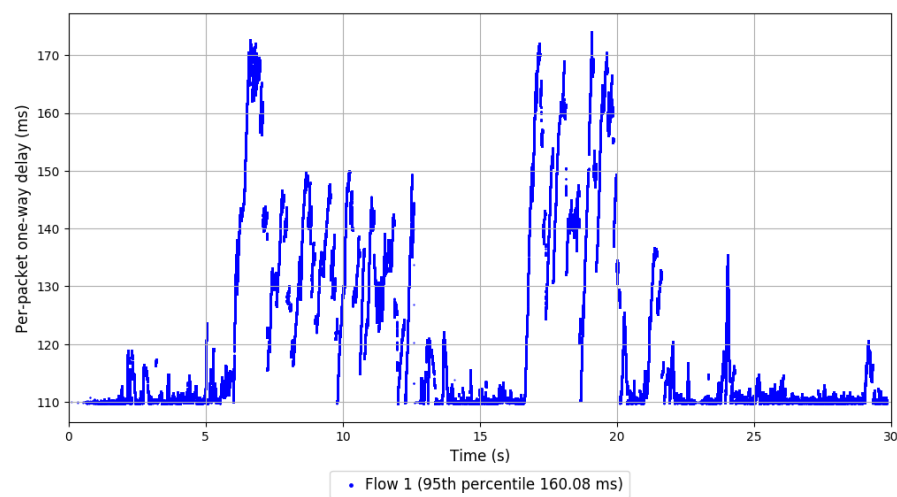
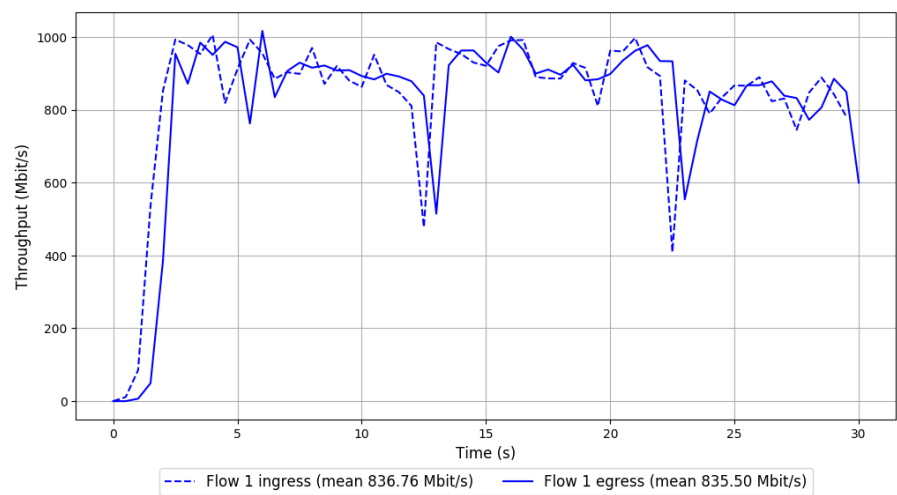
-- Flow 1:

Average throughput: 835.50 Mbit/s

95th percentile per-packet one-way delay: 160.078 ms

Loss rate: 0.89%

Run 5: Report of FillP-Sheep — Data Link

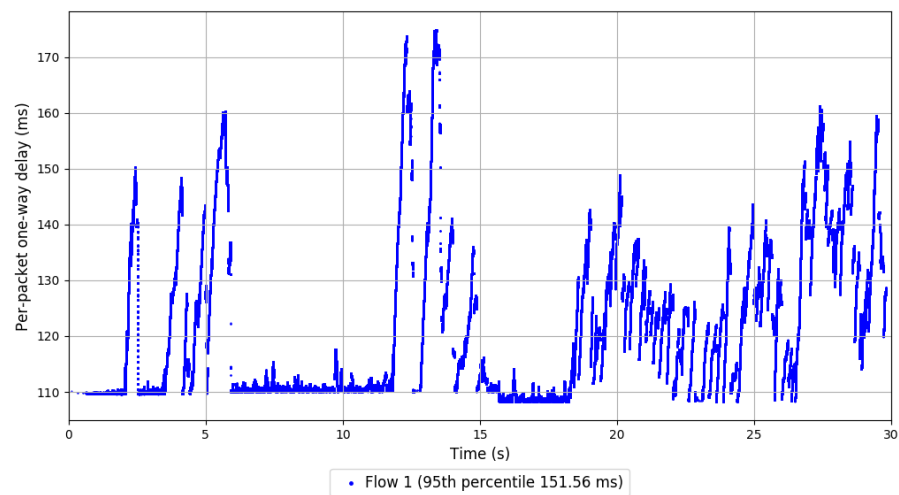
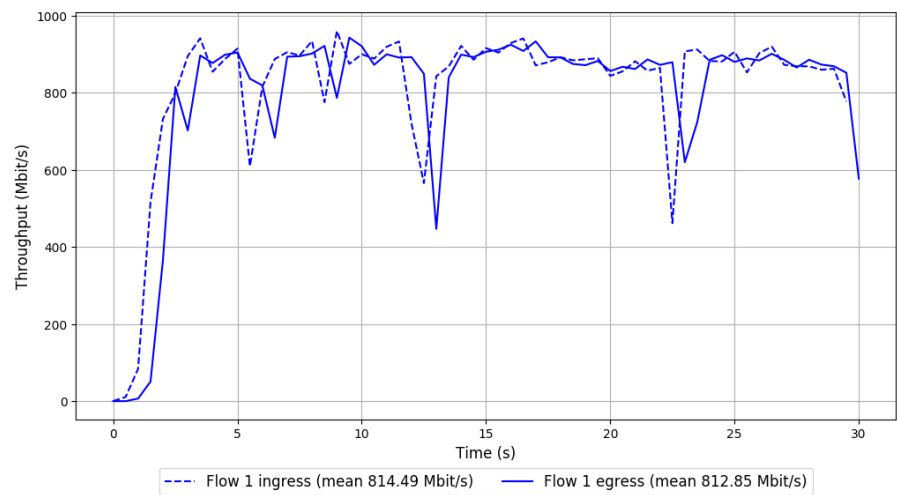


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 14:29:11
End at: 2018-08-01 14:29:41
Local clock offset: -1.533 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-08-01 16:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 812.85 Mbit/s
95th percentile per-packet one-way delay: 151.561 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 812.85 Mbit/s
95th percentile per-packet one-way delay: 151.561 ms
Loss rate: 0.94%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 14:51:59

End at: 2018-08-01 14:52:29

Local clock offset: -0.535 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-08-01 17:09:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.82 Mbit/s

95th percentile per-packet one-way delay: 146.893 ms

Loss rate: 0.92%

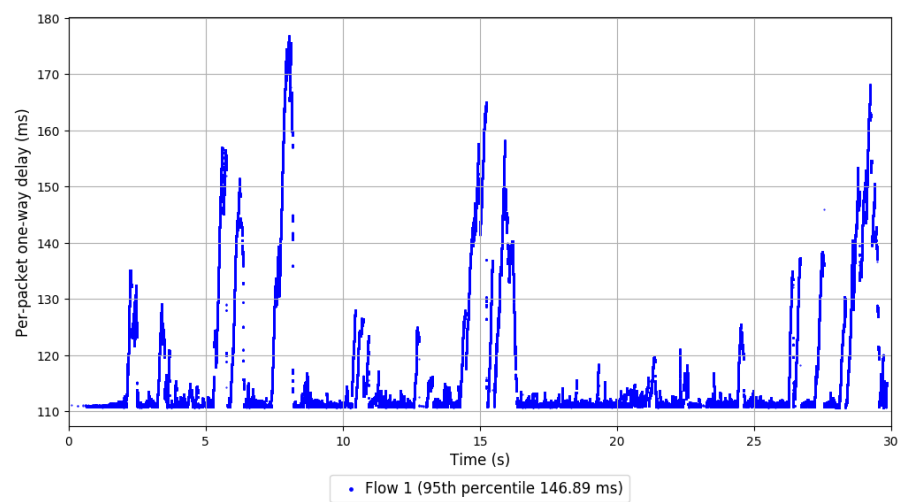
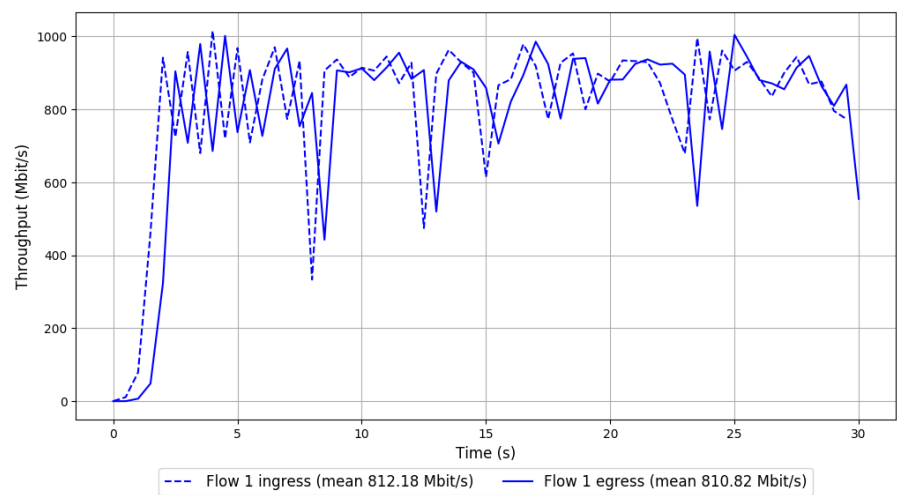
-- Flow 1:

Average throughput: 810.82 Mbit/s

95th percentile per-packet one-way delay: 146.893 ms

Loss rate: 0.92%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 15:14:36

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

Local clock offset: -0.412 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2018-08-01 17:10:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 815.80 Mbit/s

95th percentile per-packet one-way delay: 148.660 ms

Loss rate: 1.87%

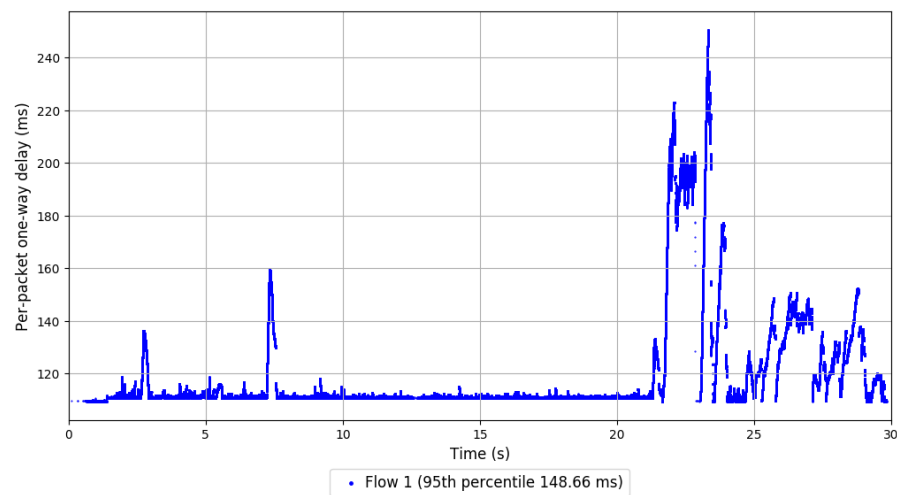
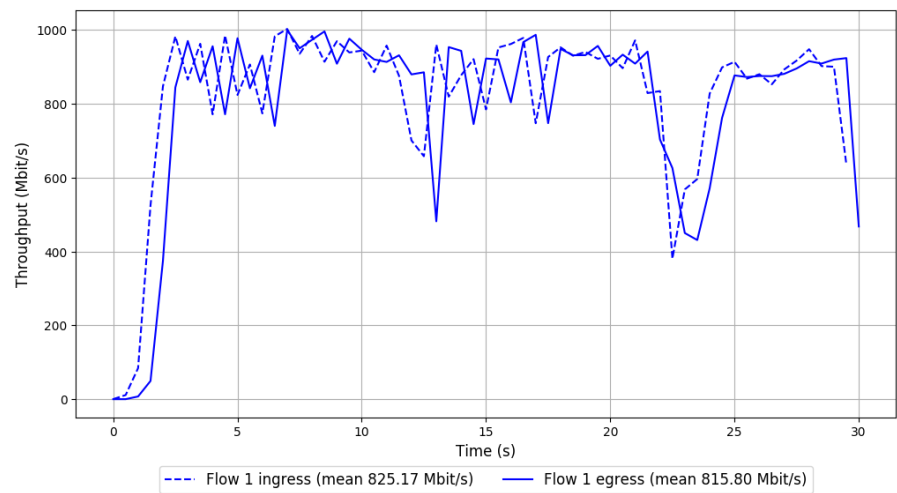
-- Flow 1:

Average throughput: 815.80 Mbit/s

95th percentile per-packet one-way delay: 148.660 ms

Loss rate: 1.87%

Run 8: Report of FillP-Sheep — Data Link

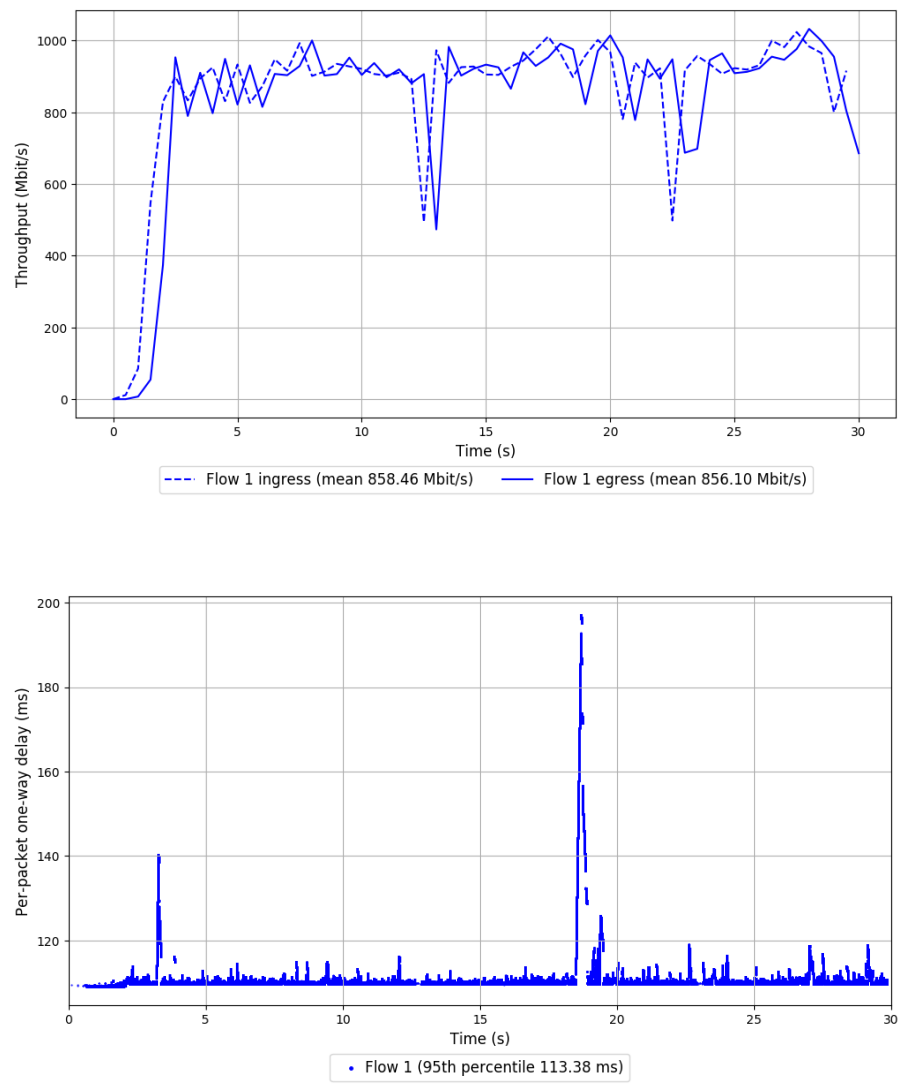


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 15:37:15
End at: 2018-08-01 15:37:45
Local clock offset: -0.061 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 856.10 Mbit/s
95th percentile per-packet one-way delay: 113.383 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 856.10 Mbit/s
95th percentile per-packet one-way delay: 113.383 ms
Loss rate: 1.01%

Run 9: Report of FillP-Sheep — Data Link

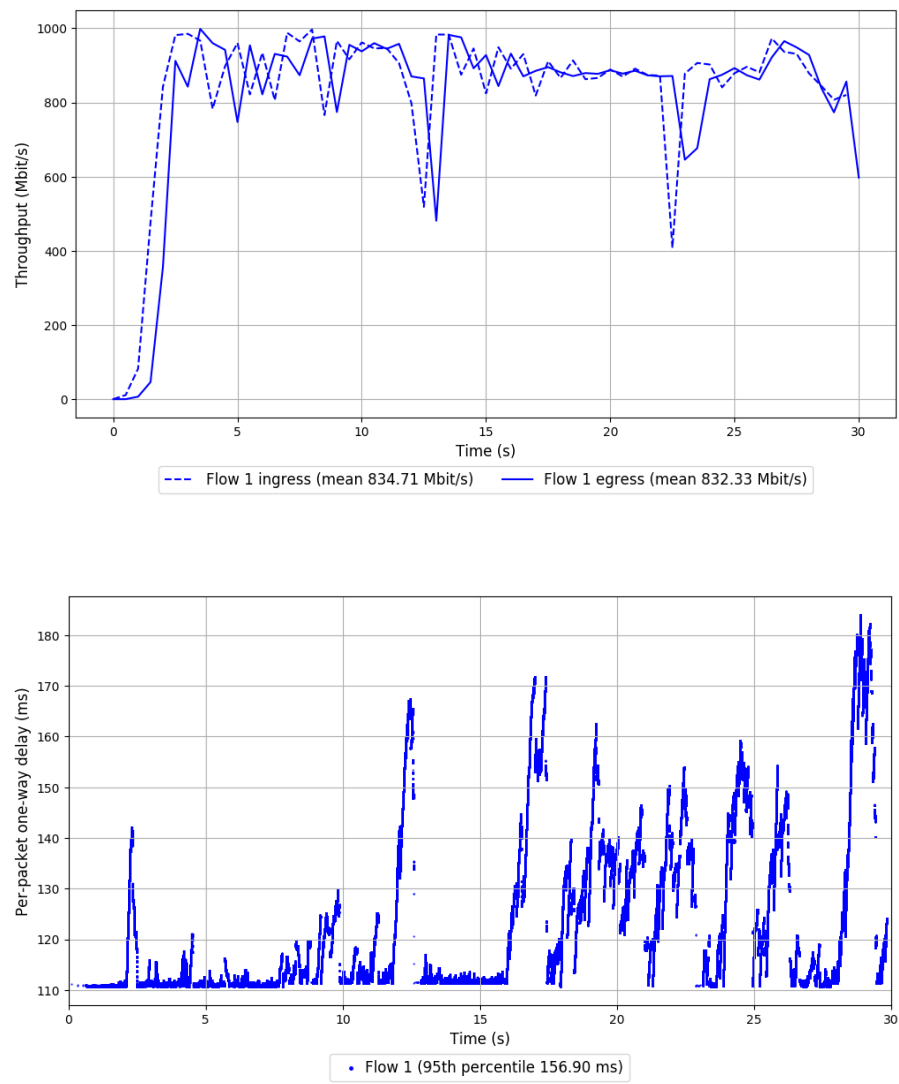


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 15:59:39
End at: 2018-08-01 16:00:09
Local clock offset: -0.099 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 832.33 Mbit/s
95th percentile per-packet one-way delay: 156.898 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 832.33 Mbit/s
95th percentile per-packet one-way delay: 156.898 ms
Loss rate: 1.03%

Run 10: Report of FillP-Sheep — Data Link

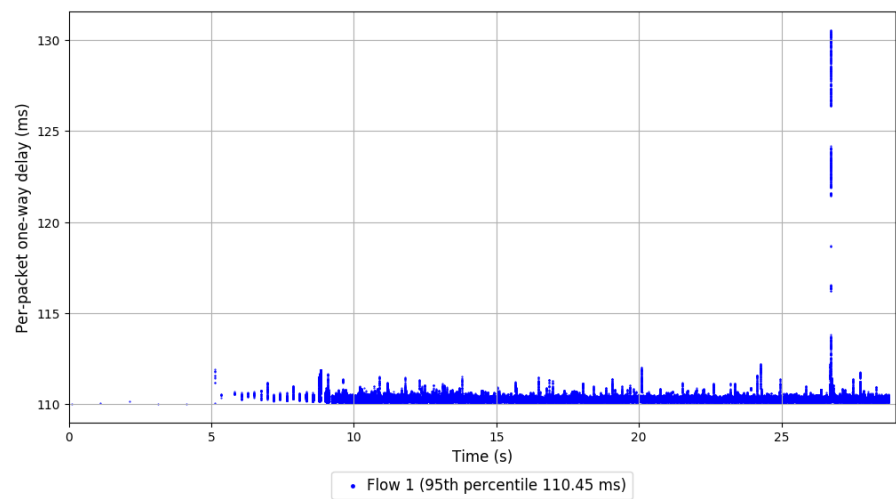
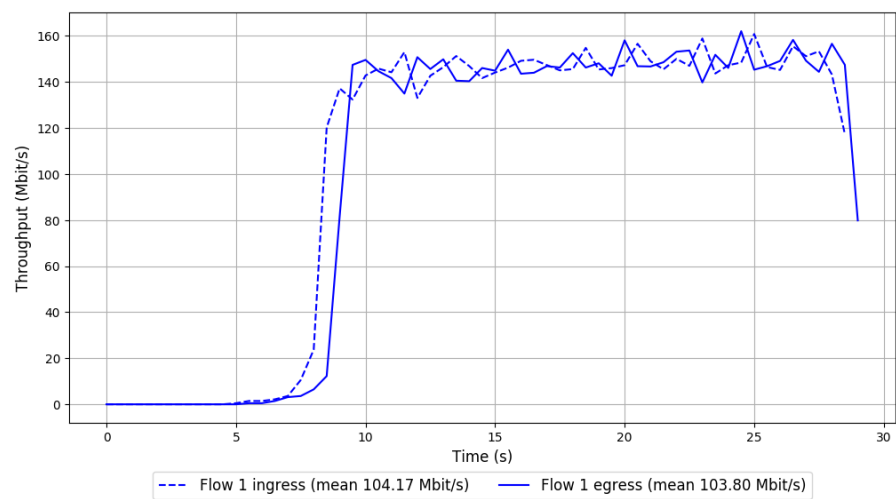


Run 1: Statistics of Indigo

Start at: 2018-08-01 12:28:07
End at: 2018-08-01 12:28:37
Local clock offset: -0.131 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.80 Mbit/s
95th percentile per-packet one-way delay: 110.453 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 103.80 Mbit/s
95th percentile per-packet one-way delay: 110.453 ms
Loss rate: 1.12%

Run 1: Report of Indigo — Data Link

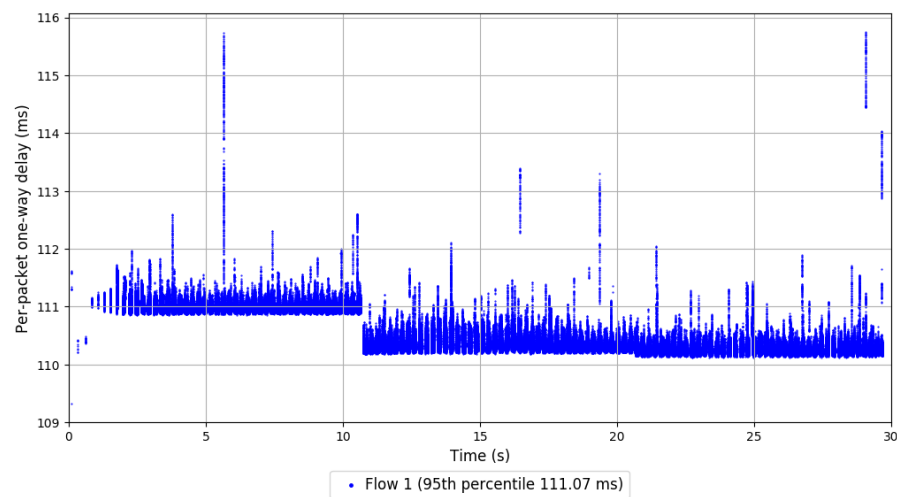
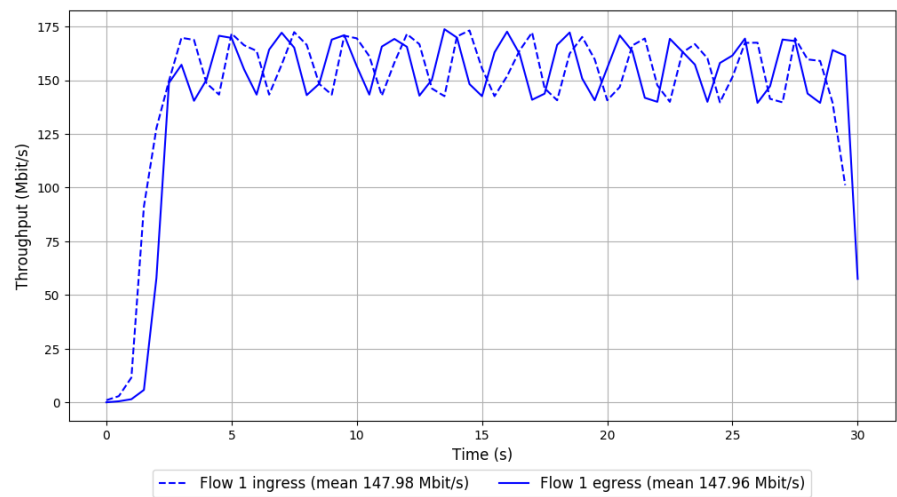


Run 2: Statistics of Indigo

Start at: 2018-08-01 12:50:36
End at: 2018-08-01 12:51:06
Local clock offset: -0.136 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.96 Mbit/s
95th percentile per-packet one-way delay: 111.074 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 147.96 Mbit/s
95th percentile per-packet one-way delay: 111.074 ms
Loss rate: 0.76%

Run 2: Report of Indigo — Data Link

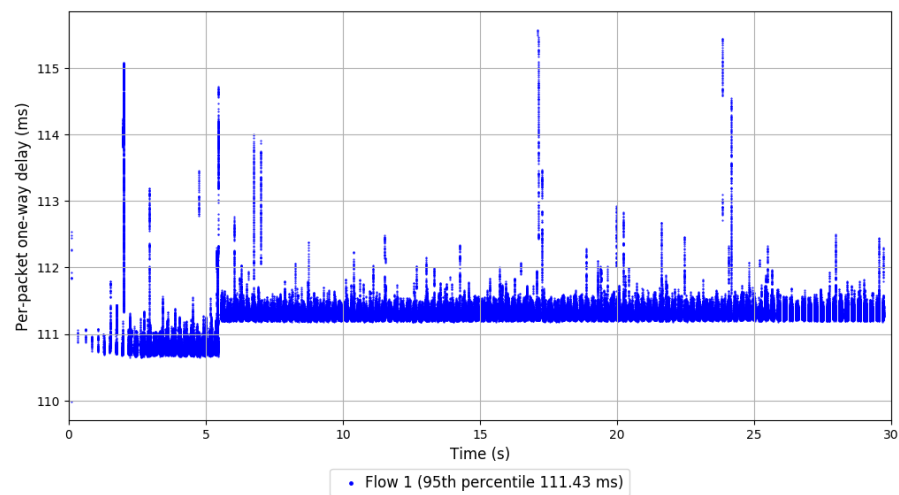
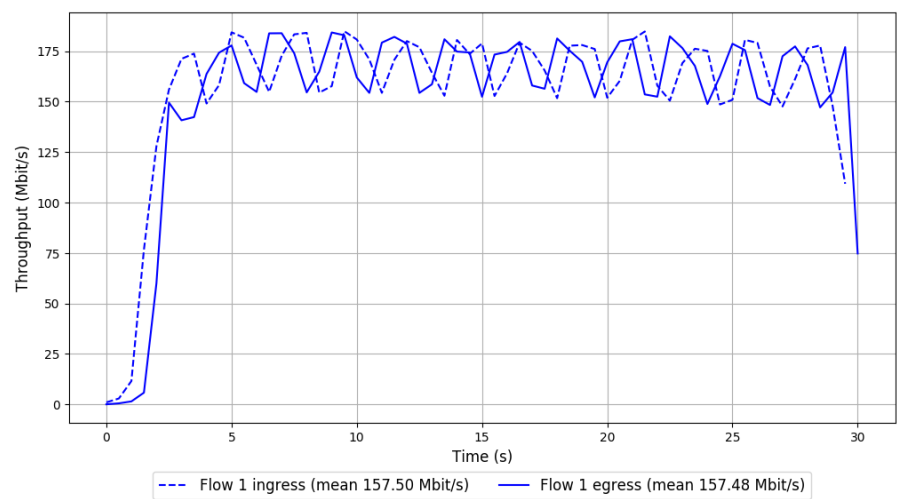


Run 3: Statistics of Indigo

Start at: 2018-08-01 13:13:21
End at: 2018-08-01 13:13:51
Local clock offset: -0.365 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.48 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 157.48 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 0.76%

Run 3: Report of Indigo — Data Link

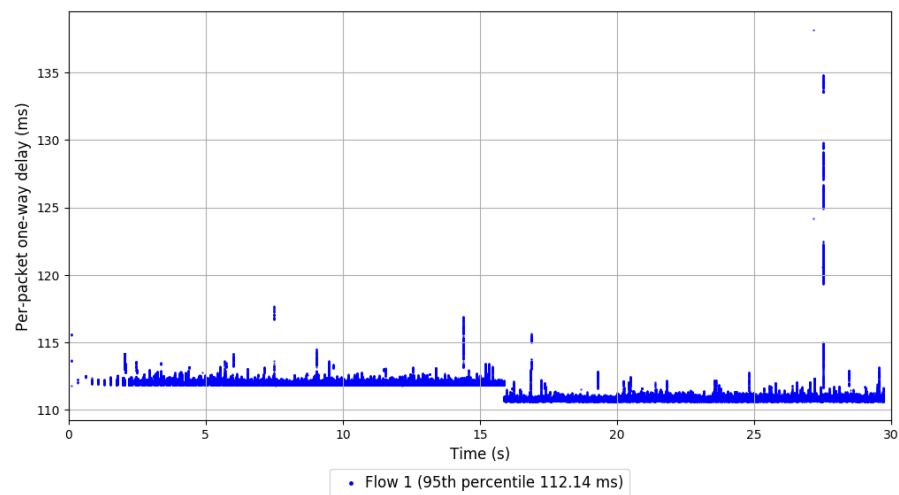
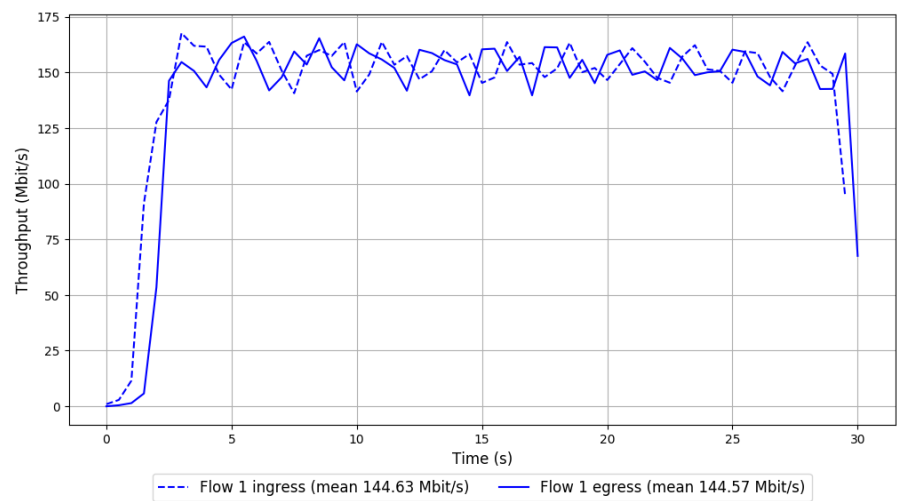


Run 4: Statistics of Indigo

Start at: 2018-08-01 13:36:11
End at: 2018-08-01 13:36:41
Local clock offset: -0.179 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.57 Mbit/s
95th percentile per-packet one-way delay: 112.135 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 144.57 Mbit/s
95th percentile per-packet one-way delay: 112.135 ms
Loss rate: 0.79%

Run 4: Report of Indigo — Data Link

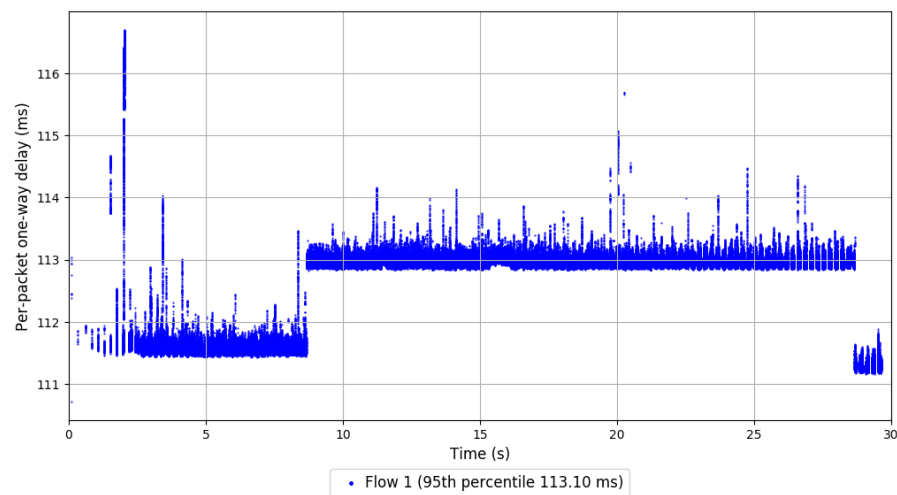
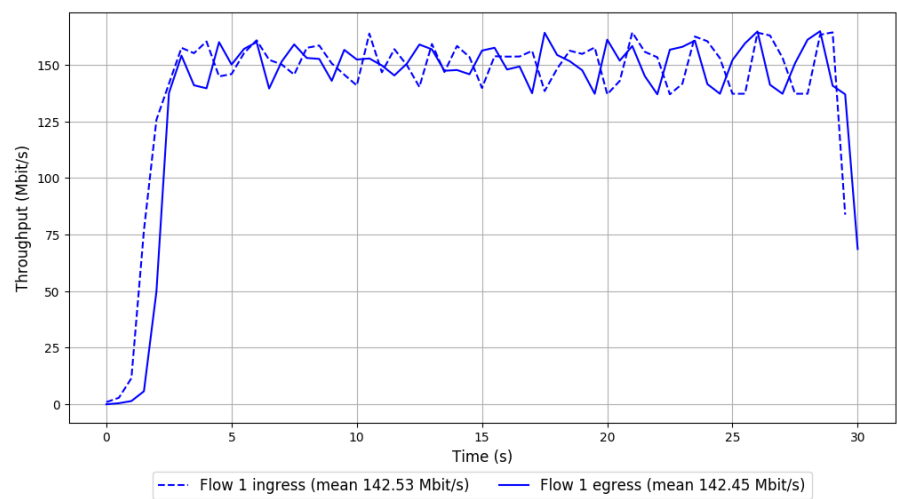


Run 5: Statistics of Indigo

Start at: 2018-08-01 13:58:48
End at: 2018-08-01 13:59:18
Local clock offset: -0.314 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.45 Mbit/s
95th percentile per-packet one-way delay: 113.096 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 142.45 Mbit/s
95th percentile per-packet one-way delay: 113.096 ms
Loss rate: 0.81%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-01 14:20:52

End at: 2018-08-01 14:21:22

Local clock offset: 0.052 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.36 Mbit/s

95th percentile per-packet one-way delay: 111.451 ms

Loss rate: 0.80%

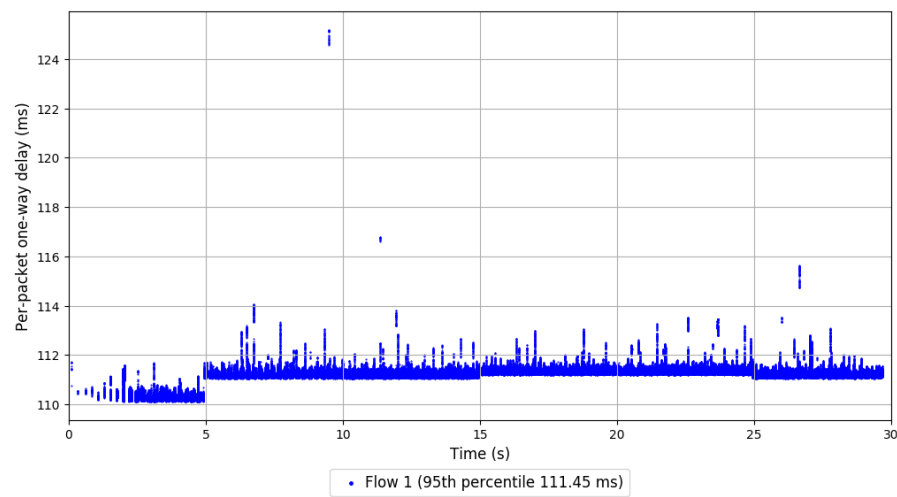
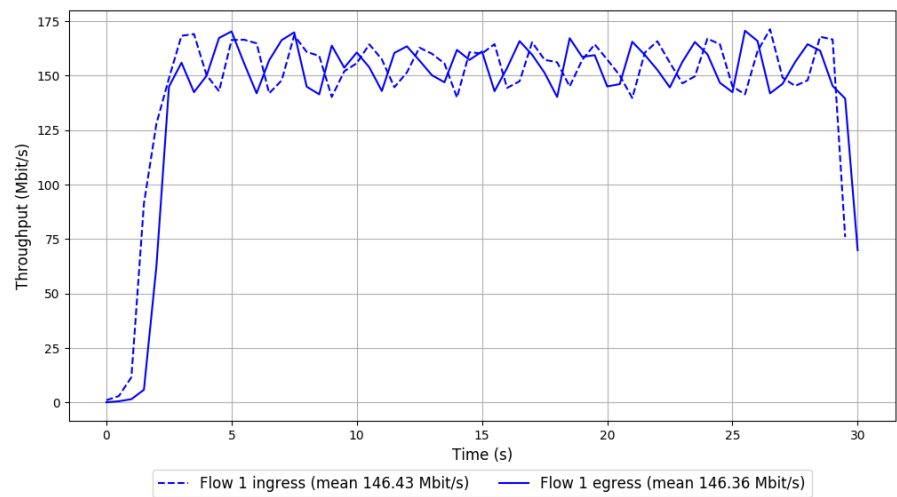
-- Flow 1:

Average throughput: 146.36 Mbit/s

95th percentile per-packet one-way delay: 111.451 ms

Loss rate: 0.80%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-01 14:43:35

End at: 2018-08-01 14:44:05

Local clock offset: -1.48 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.79 Mbit/s

95th percentile per-packet one-way delay: 109.912 ms

Loss rate: 0.79%

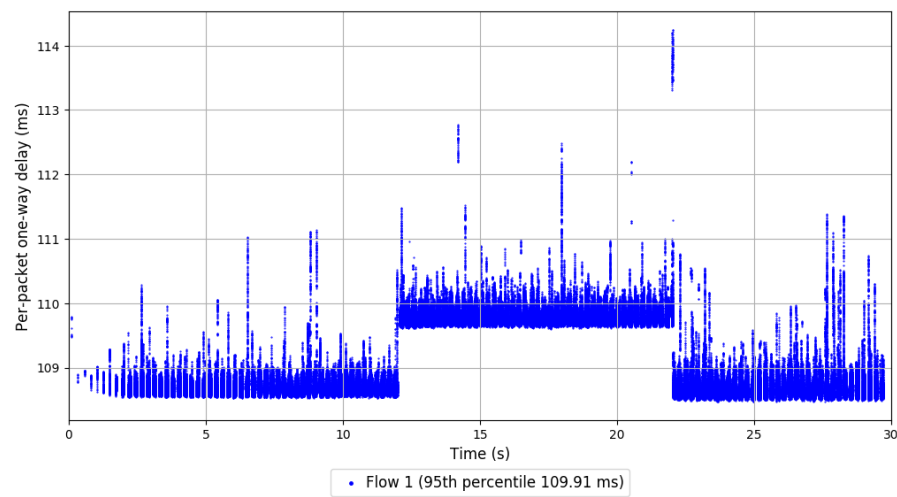
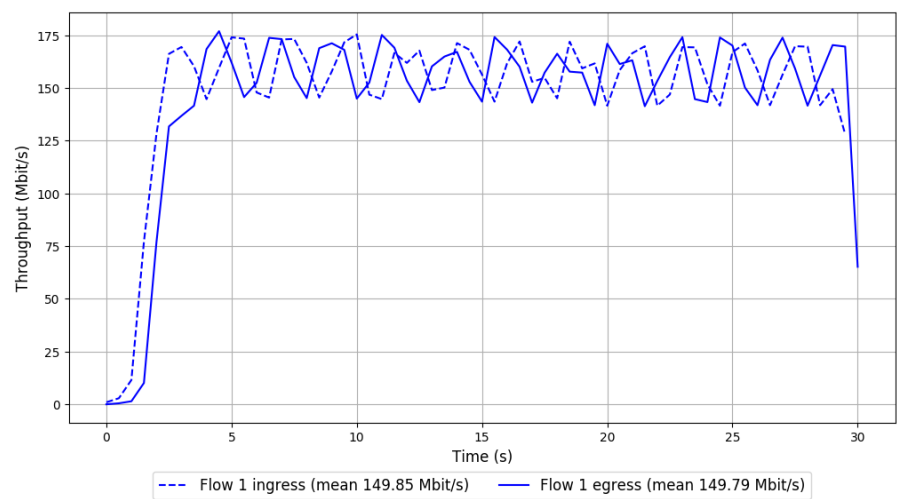
-- Flow 1:

Average throughput: 149.79 Mbit/s

95th percentile per-packet one-way delay: 109.912 ms

Loss rate: 0.79%

Run 7: Report of Indigo — Data Link

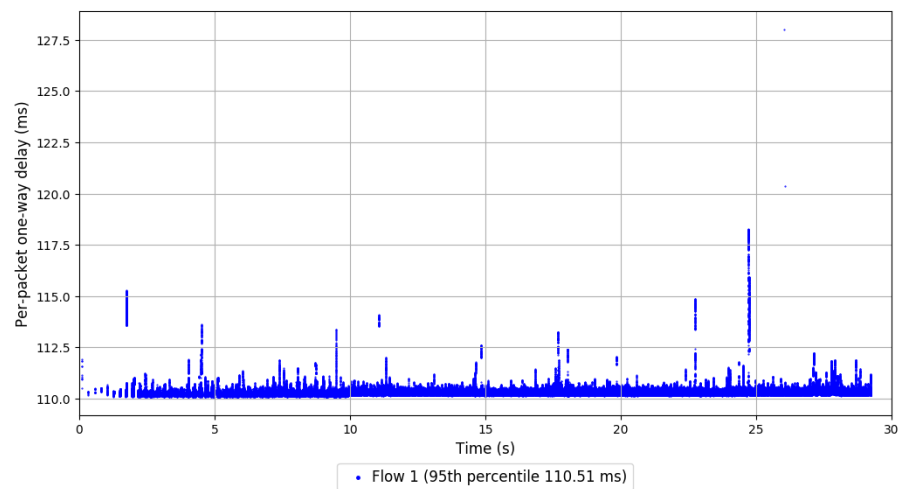
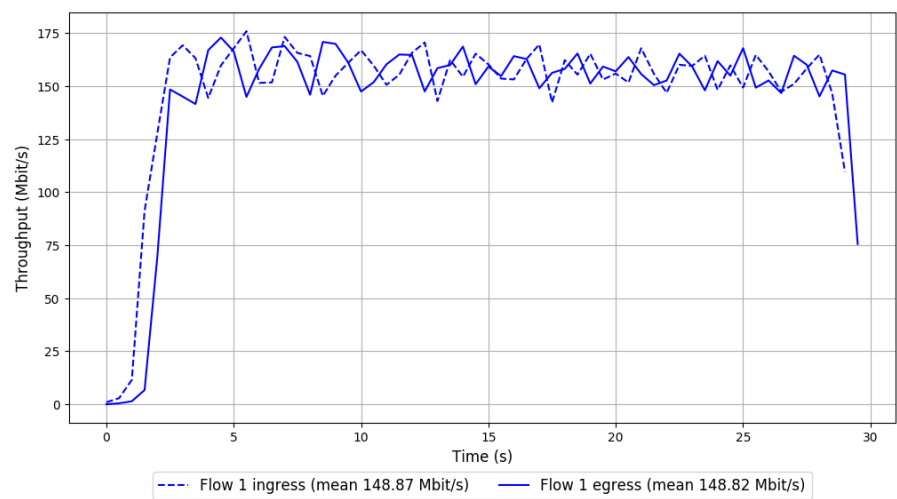


Run 8: Statistics of Indigo

Start at: 2018-08-01 15:06:27
End at: 2018-08-01 15:06:57
Local clock offset: -0.283 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.82 Mbit/s
95th percentile per-packet one-way delay: 110.511 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 148.82 Mbit/s
95th percentile per-packet one-way delay: 110.511 ms
Loss rate: 0.80%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-01 15:28:56

End at: 2018-08-01 15:29:26

Local clock offset: -0.642 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.09 Mbit/s

95th percentile per-packet one-way delay: 109.760 ms

Loss rate: 0.80%

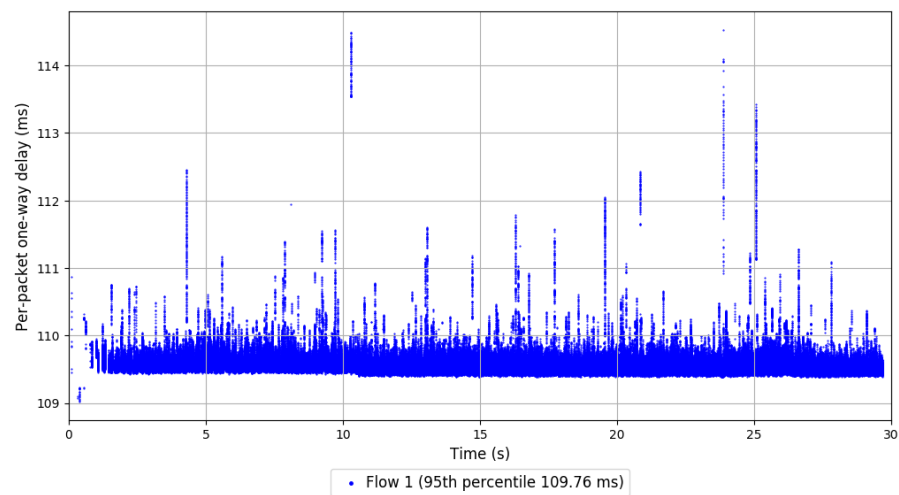
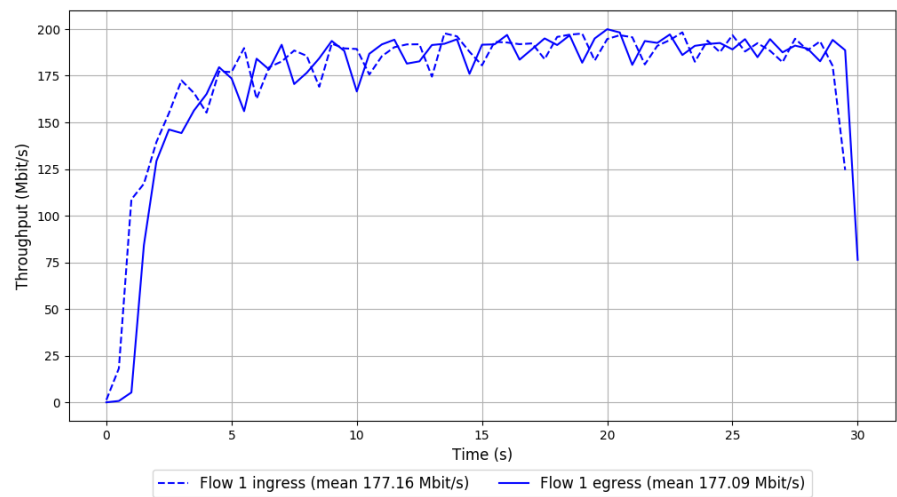
-- Flow 1:

Average throughput: 177.09 Mbit/s

95th percentile per-packet one-way delay: 109.760 ms

Loss rate: 0.80%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 15:51:37

End at: 2018-08-01 15:52:07

Local clock offset: 1.239 ms

Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.92 Mbit/s

95th percentile per-packet one-way delay: 111.908 ms

Loss rate: 0.79%

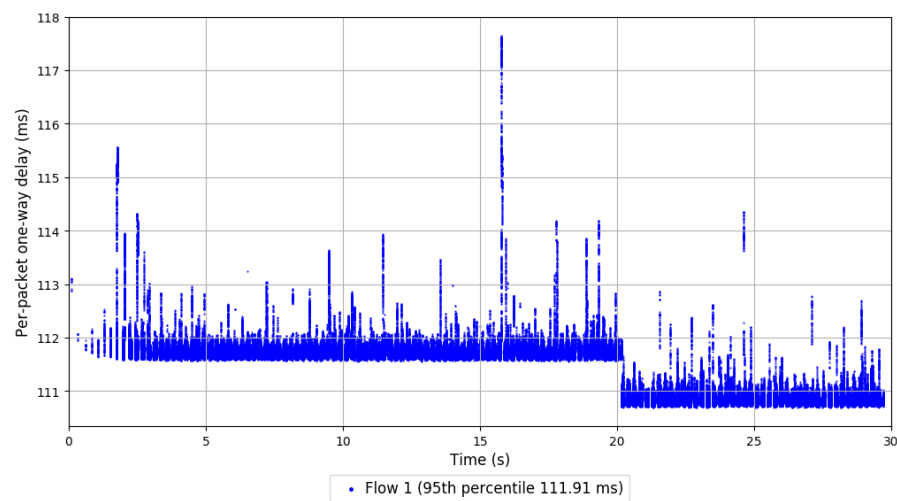
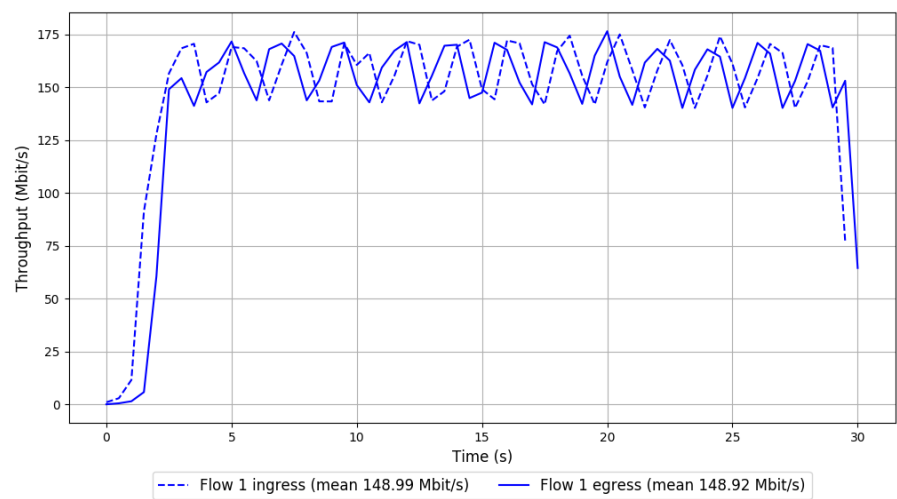
-- Flow 1:

Average throughput: 148.92 Mbit/s

95th percentile per-packet one-way delay: 111.908 ms

Loss rate: 0.79%

Run 10: Report of Indigo — Data Link

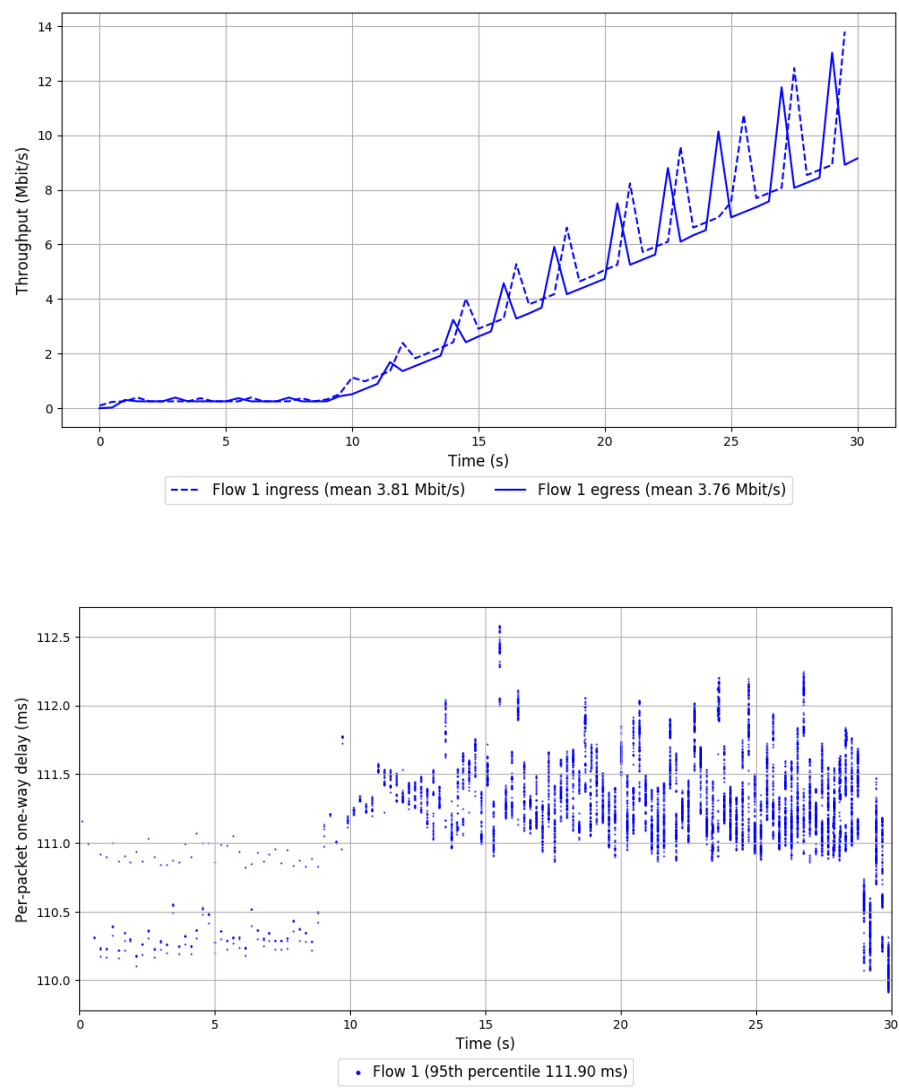


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 12:20:08
End at: 2018-08-01 12:20:38
Local clock offset: -0.036 ms
Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-08-01 17:10:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 111.902 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 111.902 ms
Loss rate: 2.03%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-01 12:42:44

End at: 2018-08-01 12:43:14

Local clock offset: 1.108 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 112.699 ms

Loss rate: 1.49%

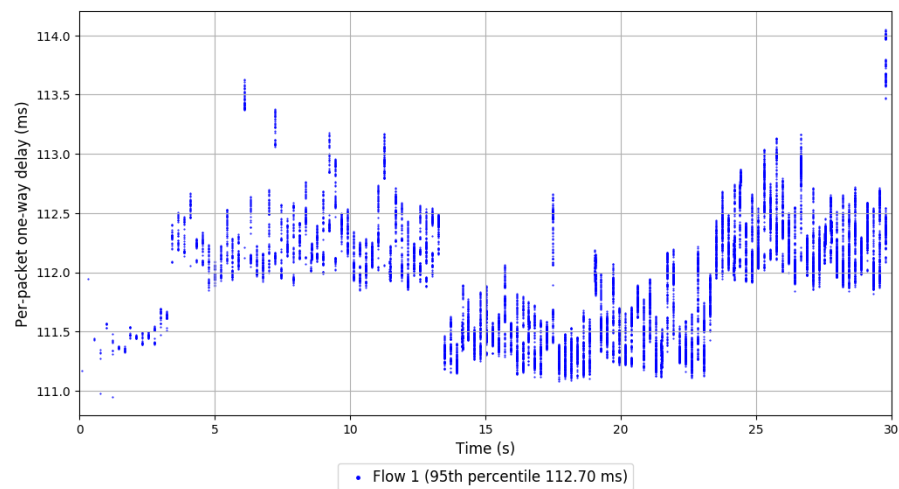
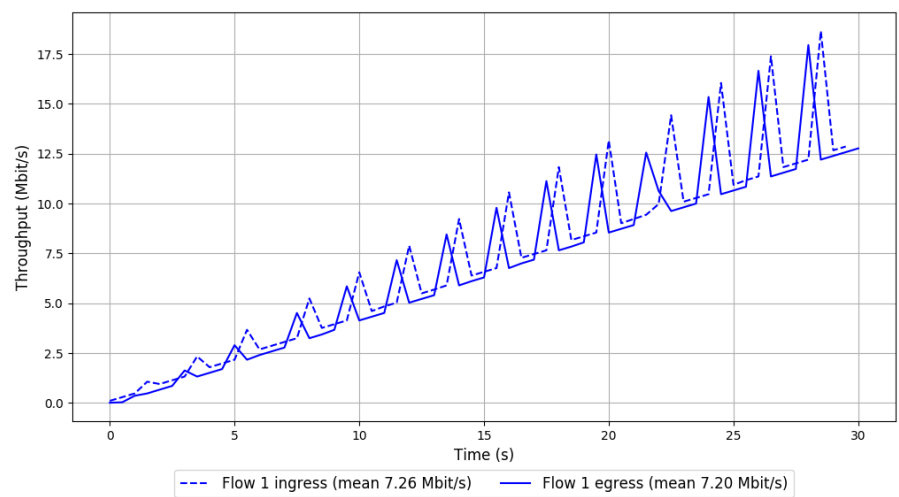
-- Flow 1:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 112.699 ms

Loss rate: 1.49%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-01 13:05:29

End at: 2018-08-01 13:05:59

Local clock offset: 1.057 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.68 Mbit/s

95th percentile per-packet one-way delay: 112.473 ms

Loss rate: 1.84%

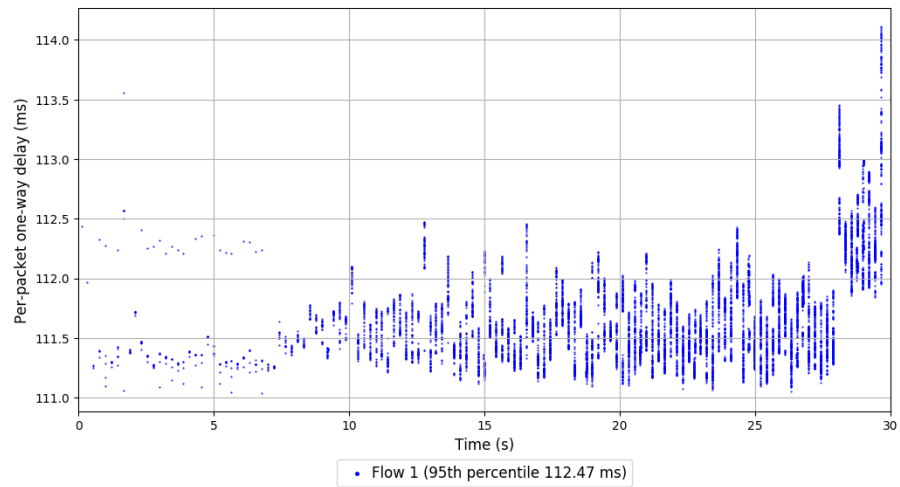
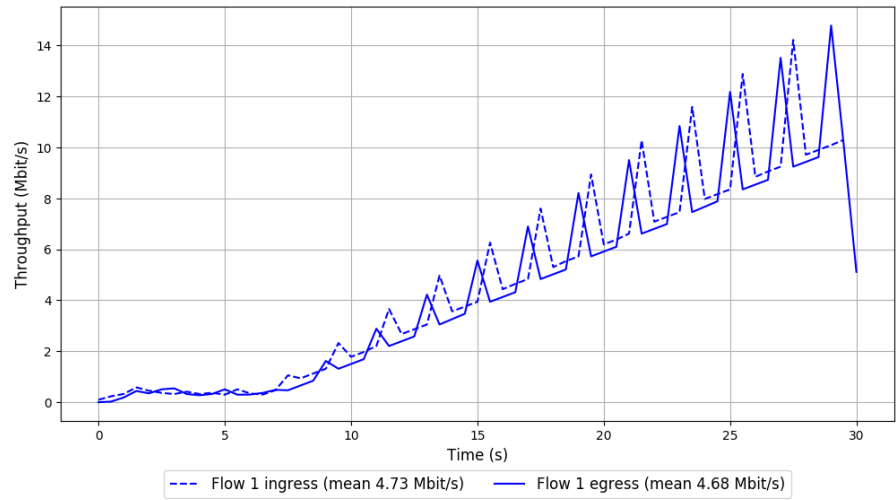
-- Flow 1:

Average throughput: 4.68 Mbit/s

95th percentile per-packet one-way delay: 112.473 ms

Loss rate: 1.84%

Run 3: Report of LEDBAT — Data Link

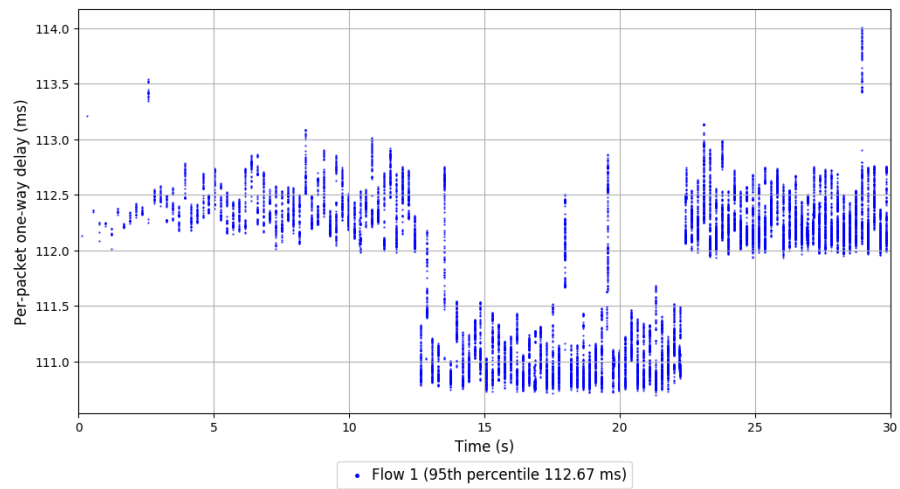
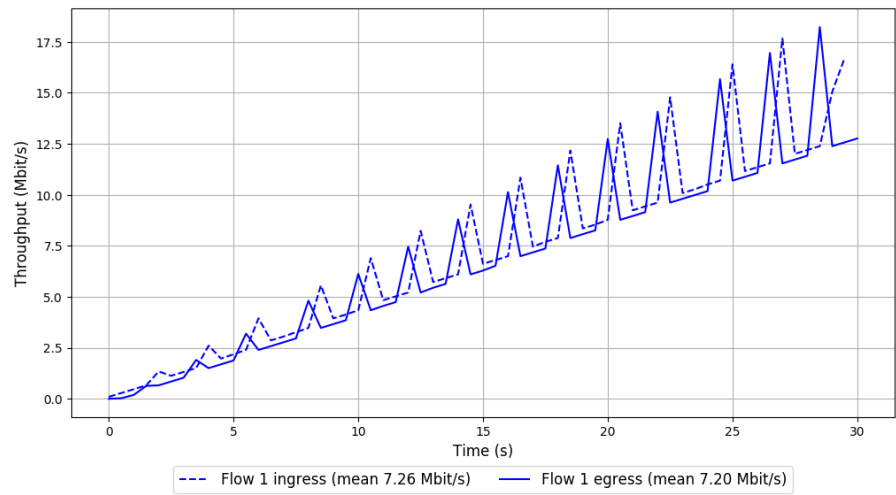


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 13:28:15
End at: 2018-08-01 13:28:45
Local clock offset: -0.031 ms
Remote clock offset: -0.537 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 112.665 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 112.665 ms
Loss rate: 1.48%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-01 13:50:46

End at: 2018-08-01 13:51:16

Local clock offset: -0.167 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 112.754 ms

Loss rate: 1.51%

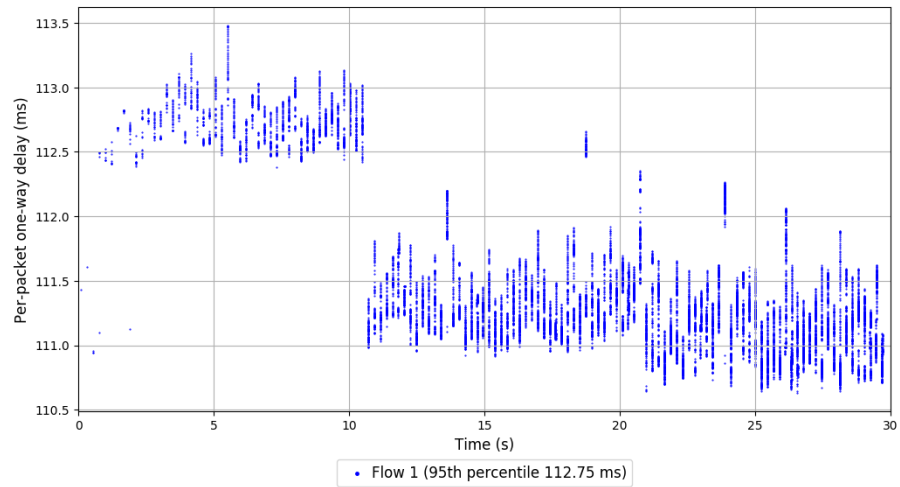
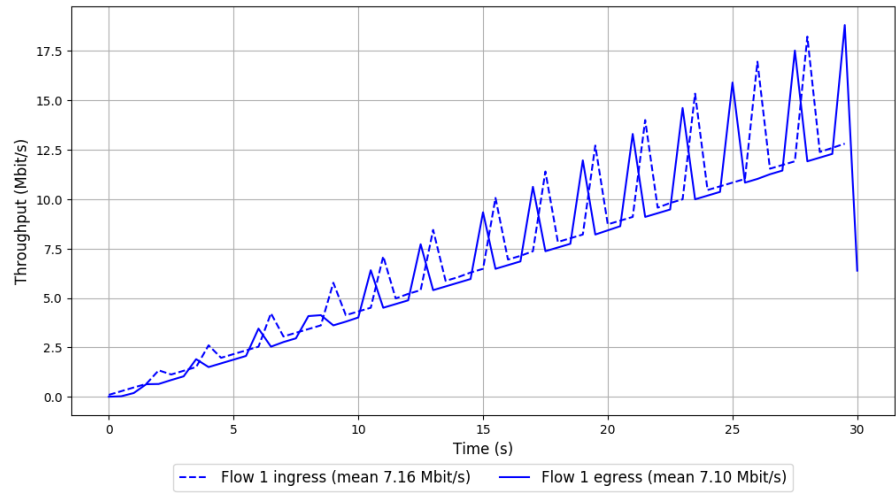
-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 112.754 ms

Loss rate: 1.51%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-01 14:13:03

End at: 2018-08-01 14:13:33

Local clock offset: -0.25 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 111.736 ms

Loss rate: 1.49%

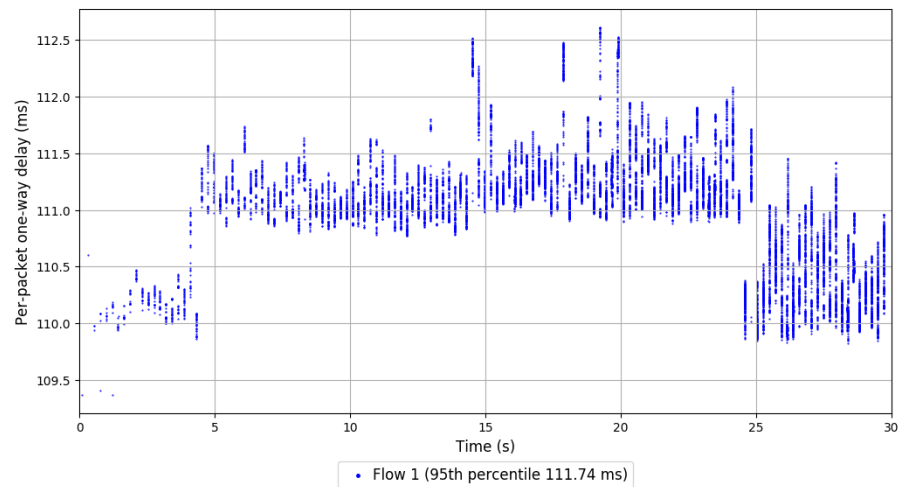
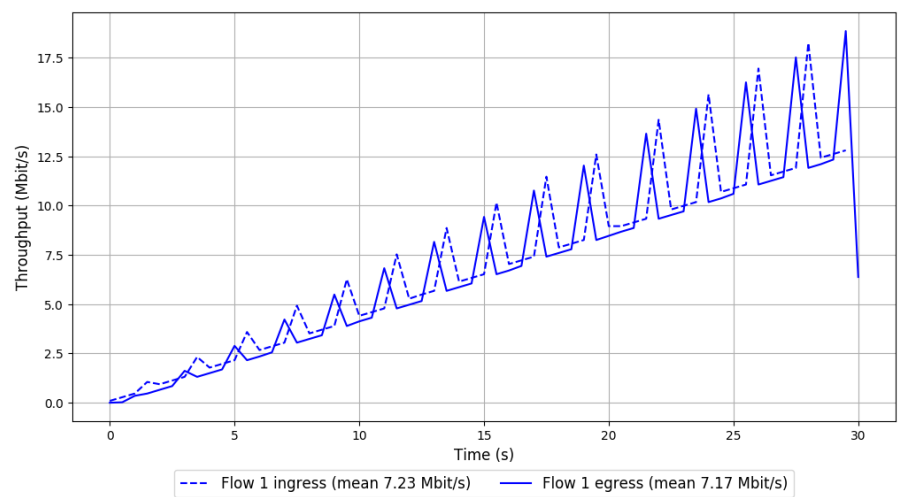
-- Flow 1:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 111.736 ms

Loss rate: 1.49%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-01 14:35:37

End at: 2018-08-01 14:36:07

Local clock offset: -0.443 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 112.066 ms

Loss rate: 1.49%

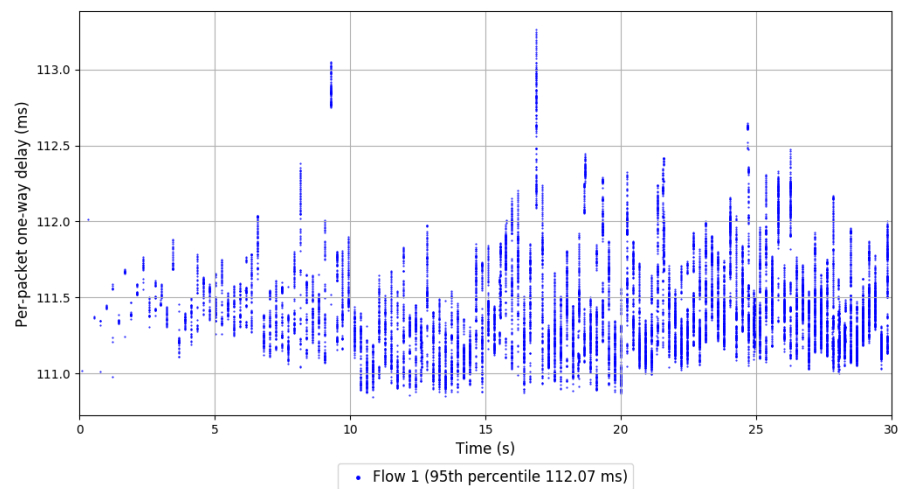
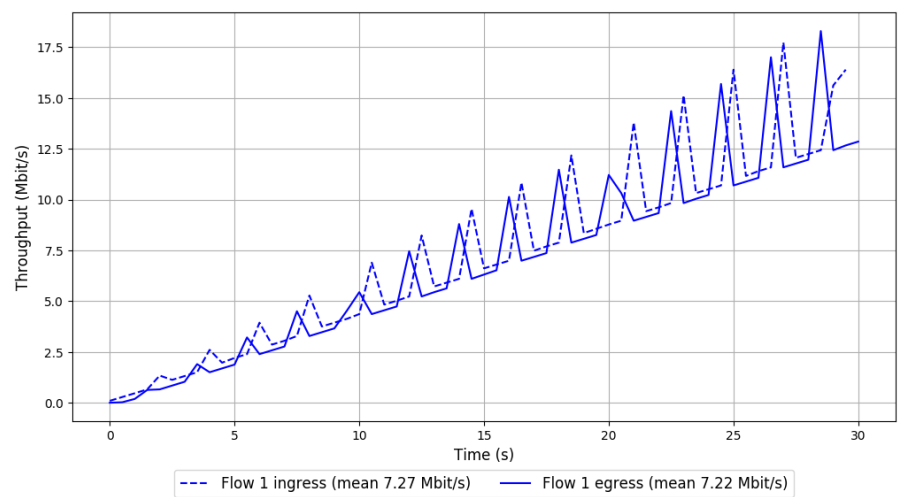
-- Flow 1:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 112.066 ms

Loss rate: 1.49%

Run 7: Report of LEDBAT — Data Link

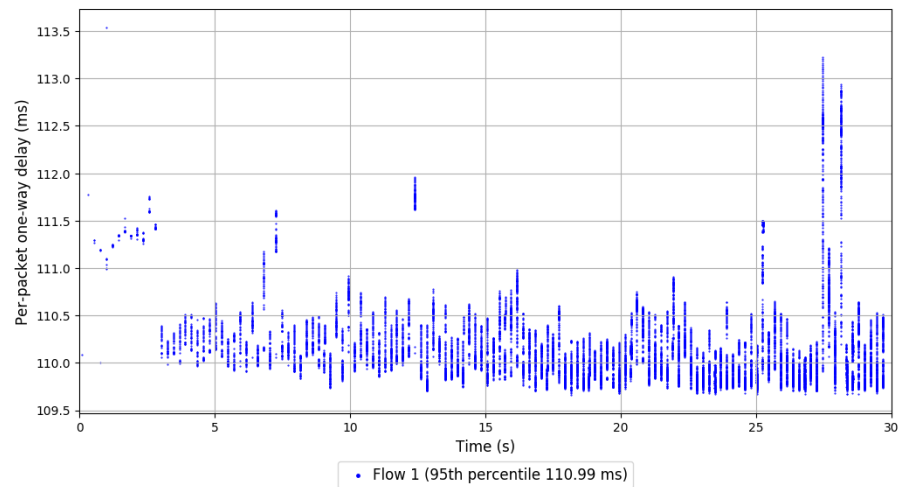
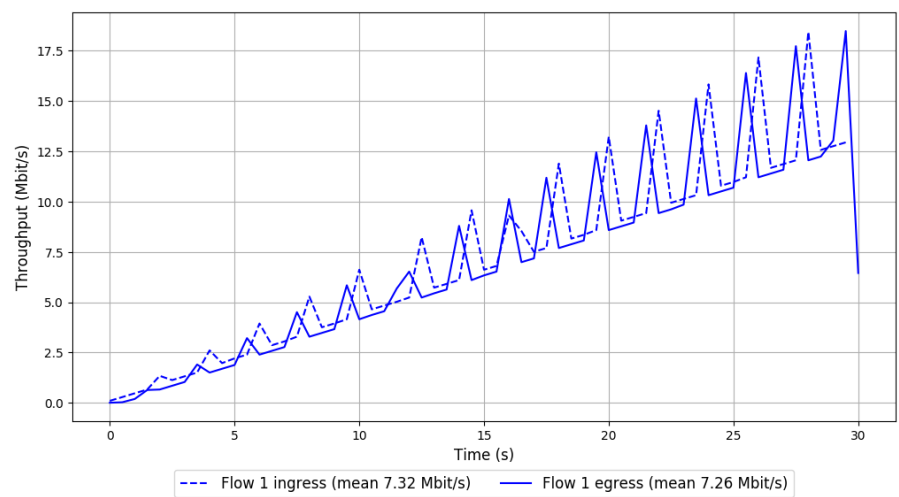


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 14:58:24
End at: 2018-08-01 14:58:54
Local clock offset: -0.74 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 110.987 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 110.987 ms
Loss rate: 1.49%

Run 8: Report of LEDBAT — Data Link

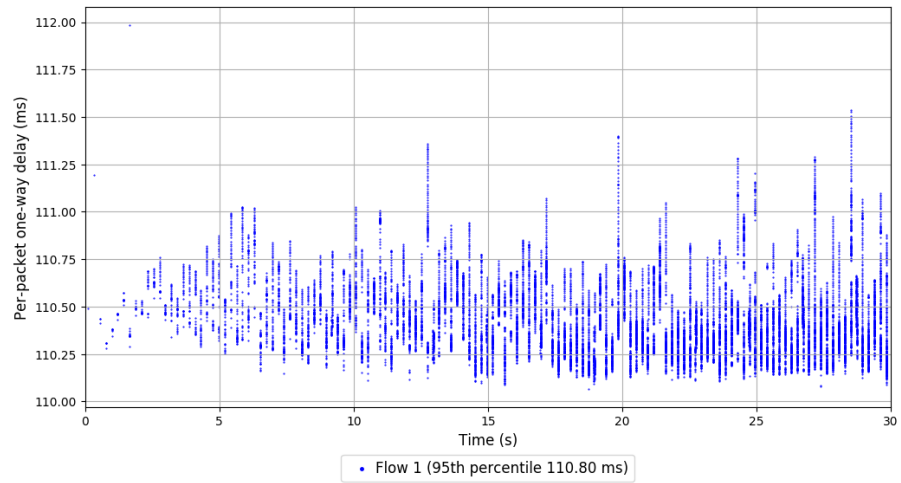
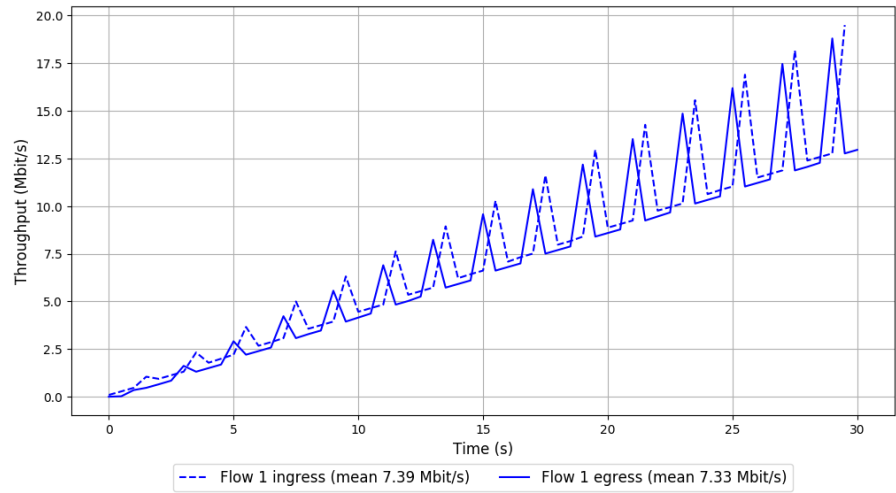


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 15:21:01
End at: 2018-08-01 15:21:31
Local clock offset: -0.335 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-01 17:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 110.802 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 110.802 ms
Loss rate: 1.48%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-01 15:43:42

End at: 2018-08-01 15:44:12

Local clock offset: -1.567 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 109.389 ms

Loss rate: 1.48%

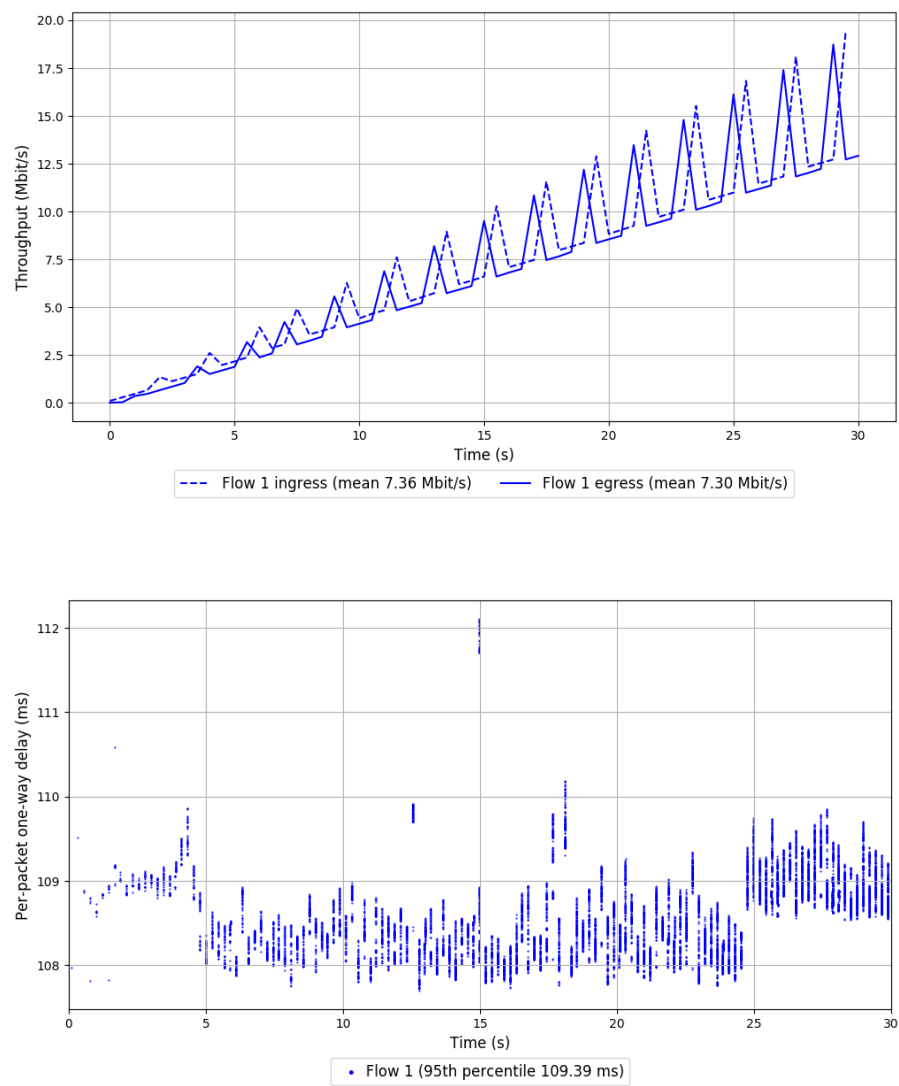
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 109.389 ms

Loss rate: 1.48%

Run 10: Report of LEDBAT — Data Link

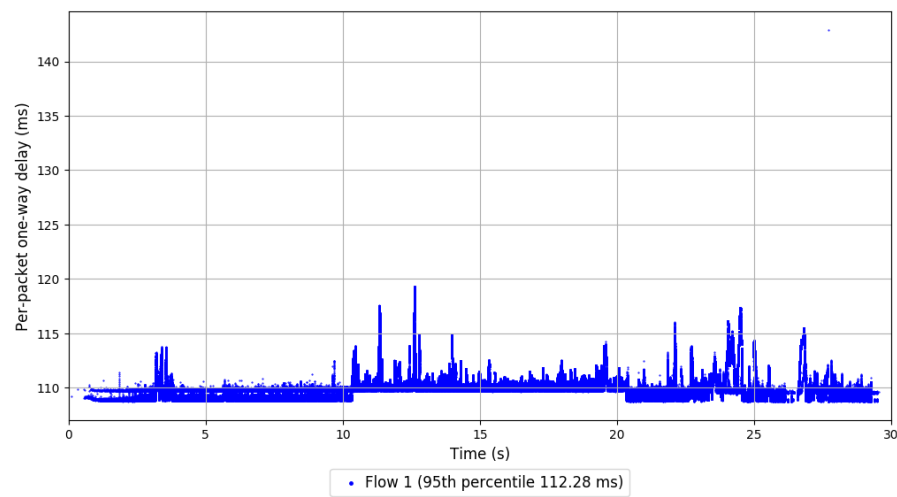
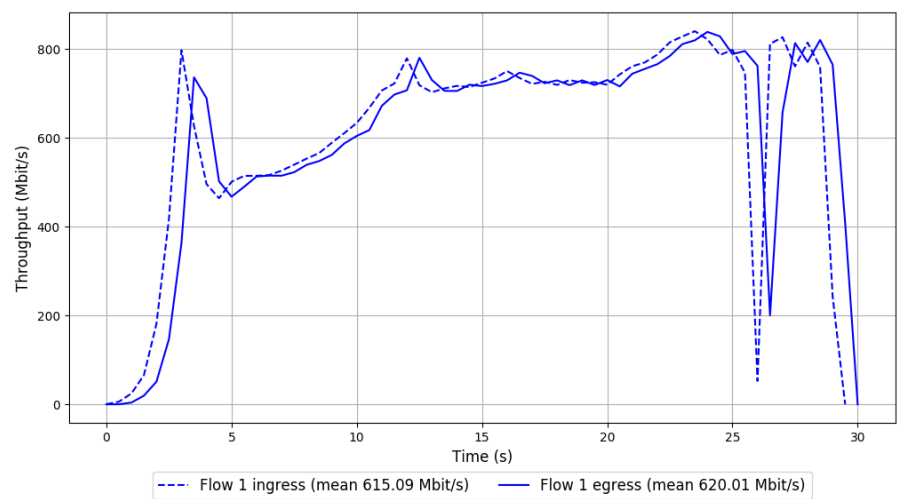


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 12:21:16
End at: 2018-08-01 12:21:46
Local clock offset: -1.285 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-08-01 17:10:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 620.01 Mbit/s
95th percentile per-packet one-way delay: 112.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 620.01 Mbit/s
95th percentile per-packet one-way delay: 112.279 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 12:43:52

End at: 2018-08-01 12:44:22

Local clock offset: -0.103 ms

Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-08-01 17:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 580.23 Mbit/s

95th percentile per-packet one-way delay: 167.102 ms

Loss rate: 1.82%

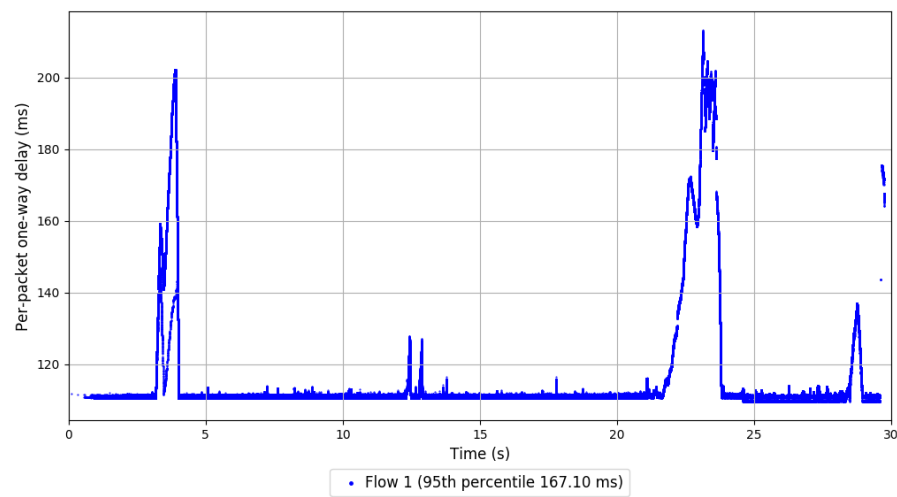
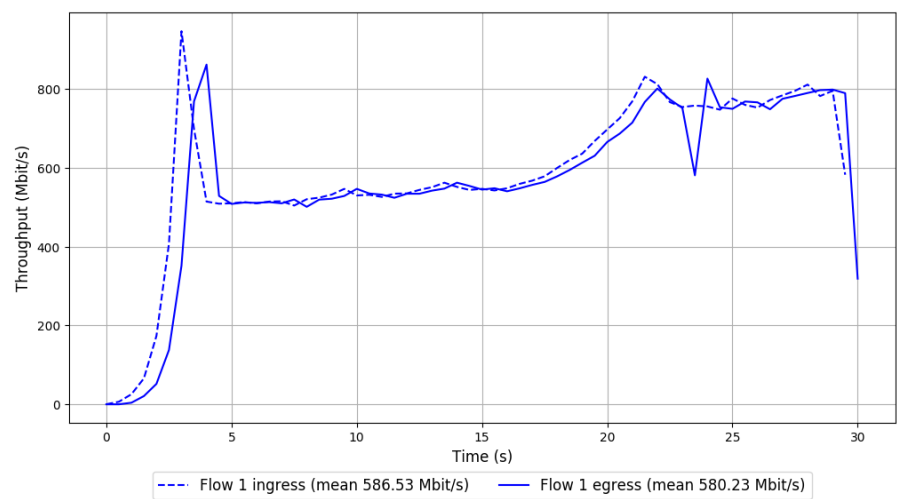
-- Flow 1:

Average throughput: 580.23 Mbit/s

95th percentile per-packet one-way delay: 167.102 ms

Loss rate: 1.82%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 13:06:37

End at: 2018-08-01 13:07:07

Local clock offset: 1.174 ms

Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-08-01 17:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 639.06 Mbit/s

95th percentile per-packet one-way delay: 175.623 ms

Loss rate: 1.47%

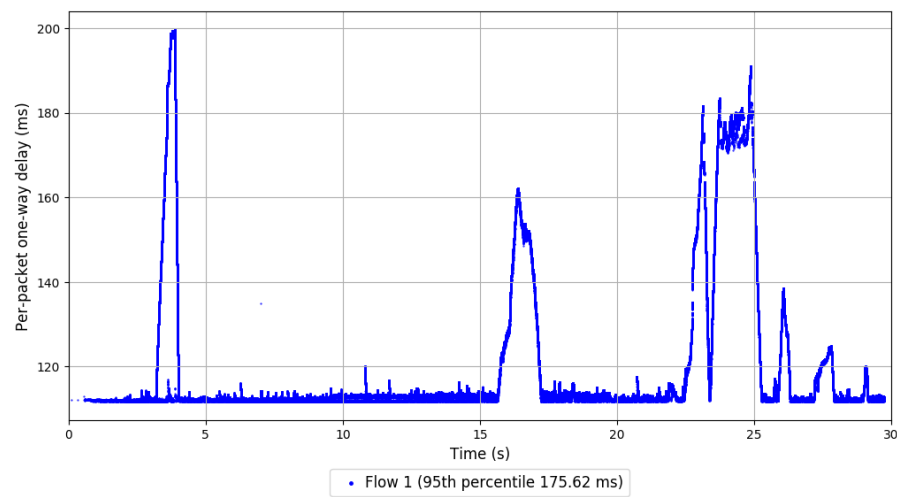
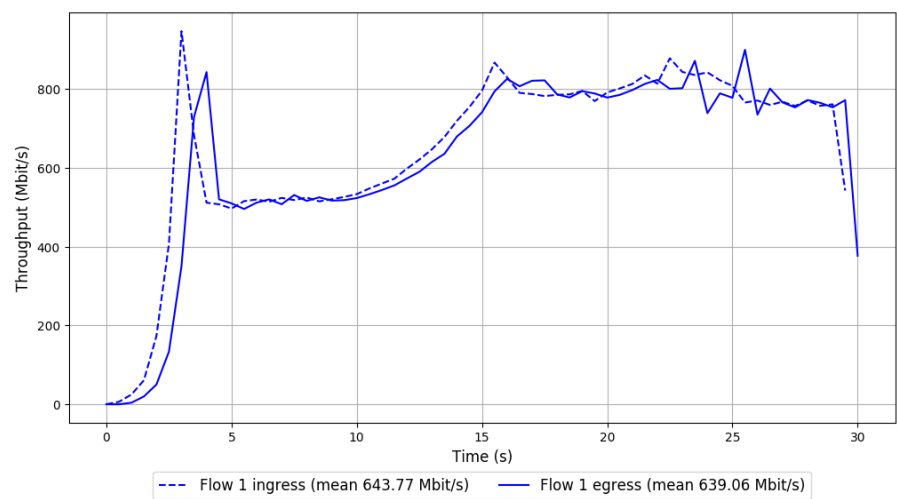
-- Flow 1:

Average throughput: 639.06 Mbit/s

95th percentile per-packet one-way delay: 175.623 ms

Loss rate: 1.47%

Run 3: Report of PCC-Allegro — Data Link

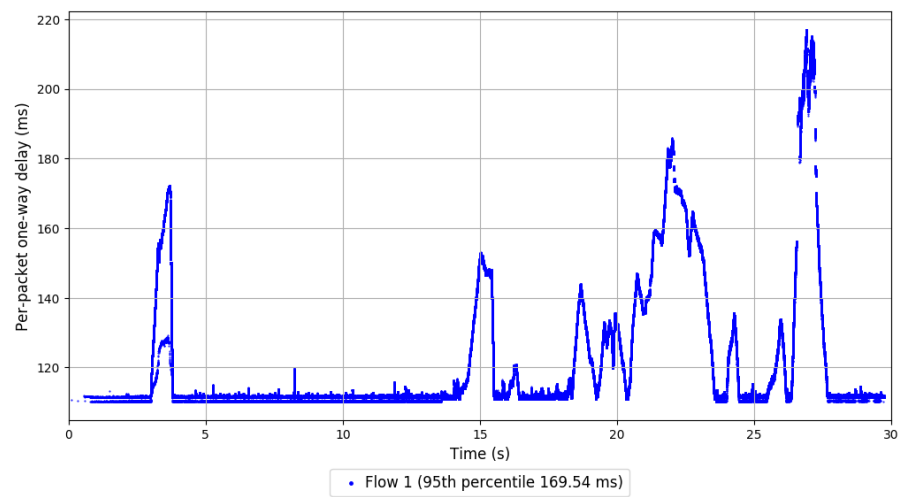
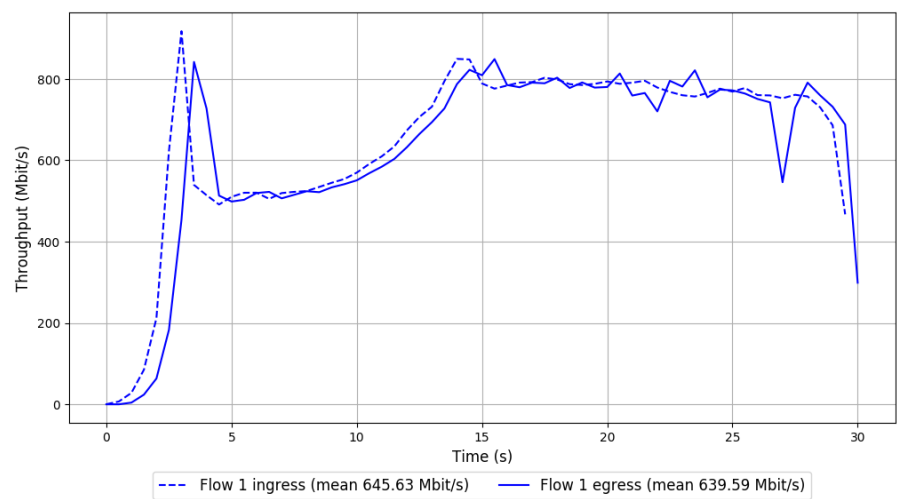


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 13:29:23
End at: 2018-08-01 13:29:53
Local clock offset: -0.189 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-01 17:12:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 639.59 Mbit/s
95th percentile per-packet one-way delay: 169.540 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 639.59 Mbit/s
95th percentile per-packet one-way delay: 169.540 ms
Loss rate: 1.67%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 13:51:55

End at: 2018-08-01 13:52:25

Local clock offset: 0.045 ms

Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-01 17:20:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 650.75 Mbit/s

95th percentile per-packet one-way delay: 162.654 ms

Loss rate: 1.09%

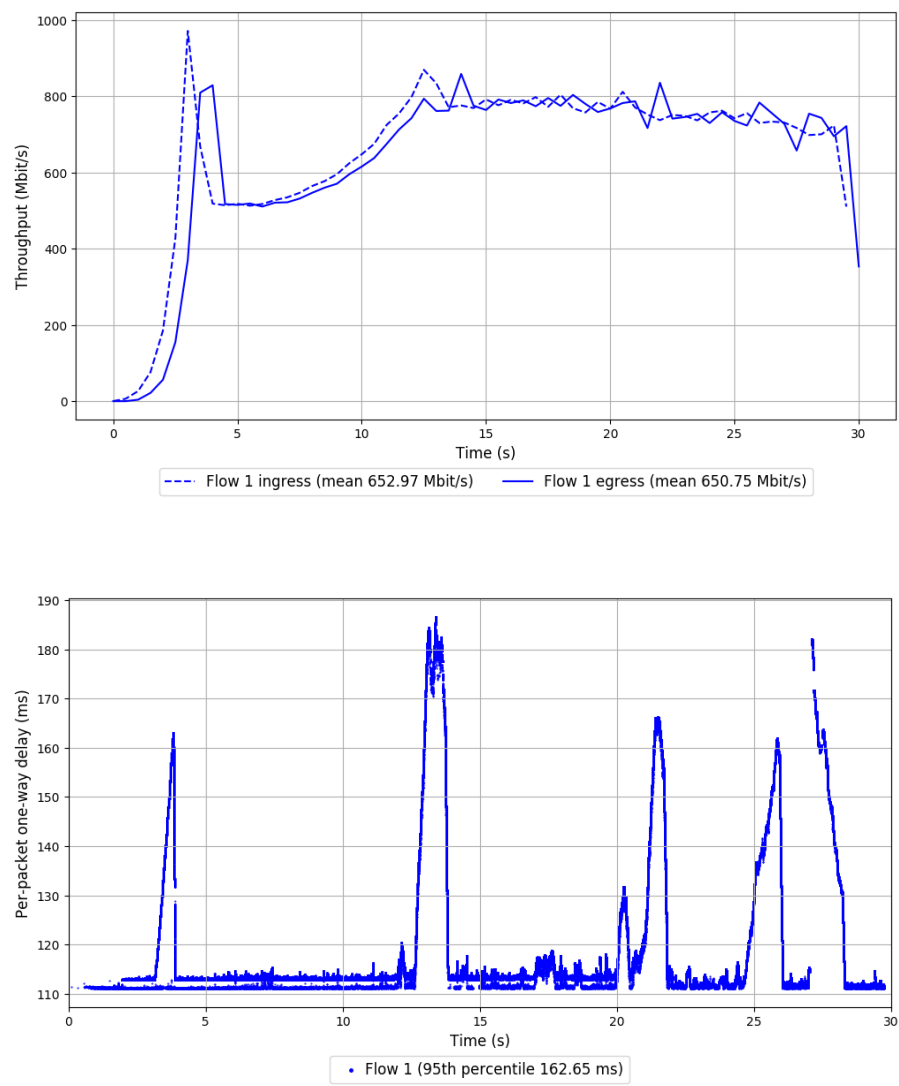
-- Flow 1:

Average throughput: 650.75 Mbit/s

95th percentile per-packet one-way delay: 162.654 ms

Loss rate: 1.09%

Run 5: Report of PCC-Allegro — Data Link

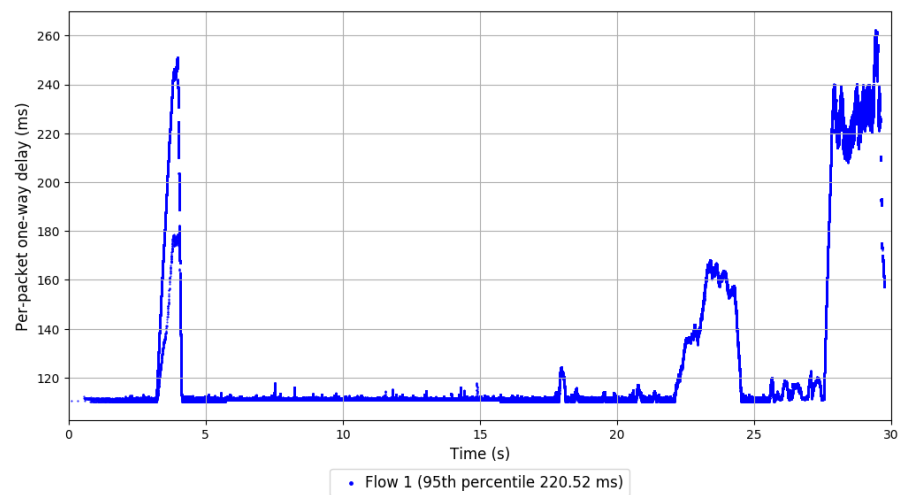
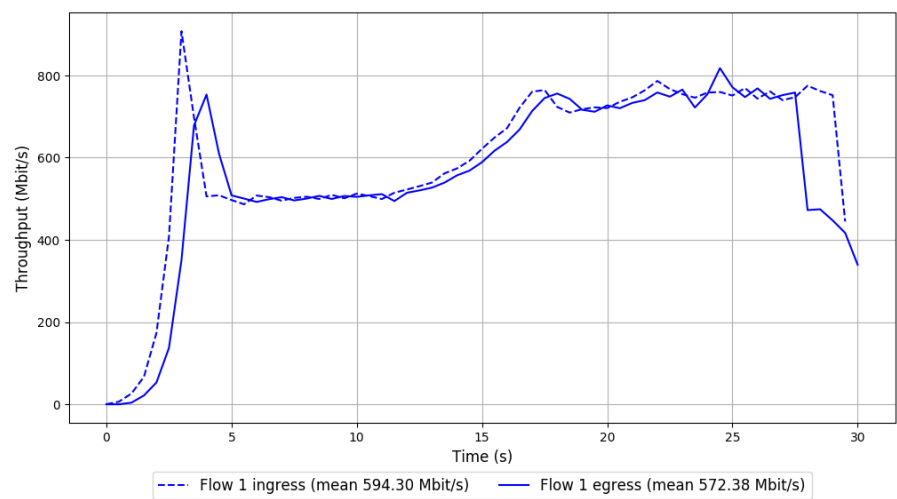


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 14:14:11
End at: 2018-08-01 14:14:41
Local clock offset: -0.275 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-01 17:20:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 572.38 Mbit/s
95th percentile per-packet one-way delay: 220.516 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 572.38 Mbit/s
95th percentile per-packet one-way delay: 220.516 ms
Loss rate: 4.41%

Run 6: Report of PCC-Allegro — Data Link

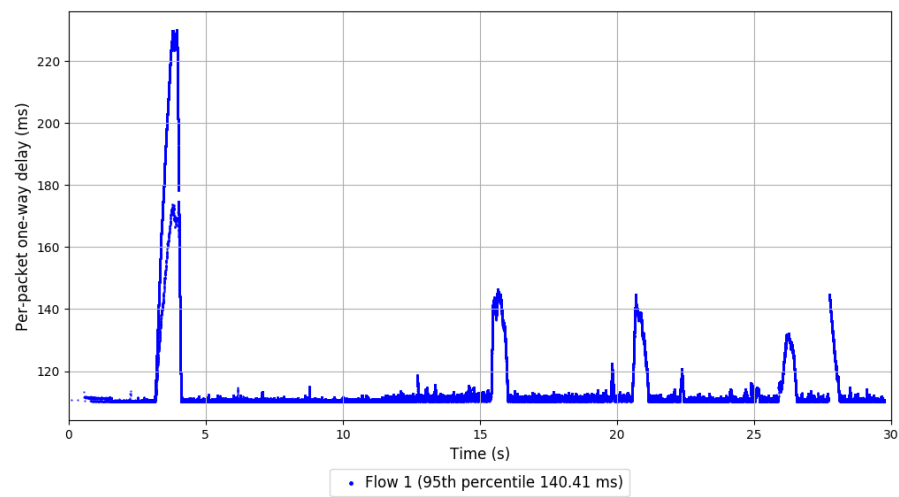
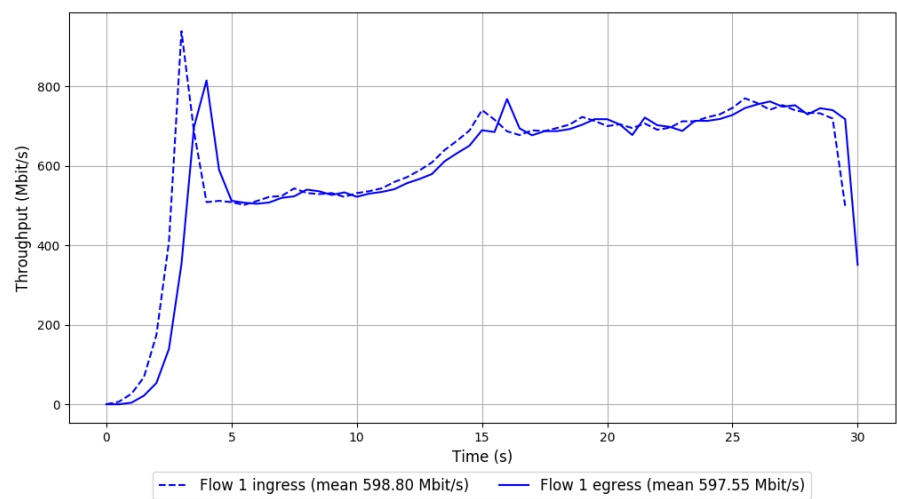


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 14:36:45
End at: 2018-08-01 14:37:15
Local clock offset: -0.218 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-01 17:20:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 597.55 Mbit/s
95th percentile per-packet one-way delay: 140.413 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 597.55 Mbit/s
95th percentile per-packet one-way delay: 140.413 ms
Loss rate: 0.95%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 14:59:33

End at: 2018-08-01 15:00:03

Local clock offset: -1.581 ms

Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-01 17:21:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 647.56 Mbit/s

95th percentile per-packet one-way delay: 171.725 ms

Loss rate: 1.24%

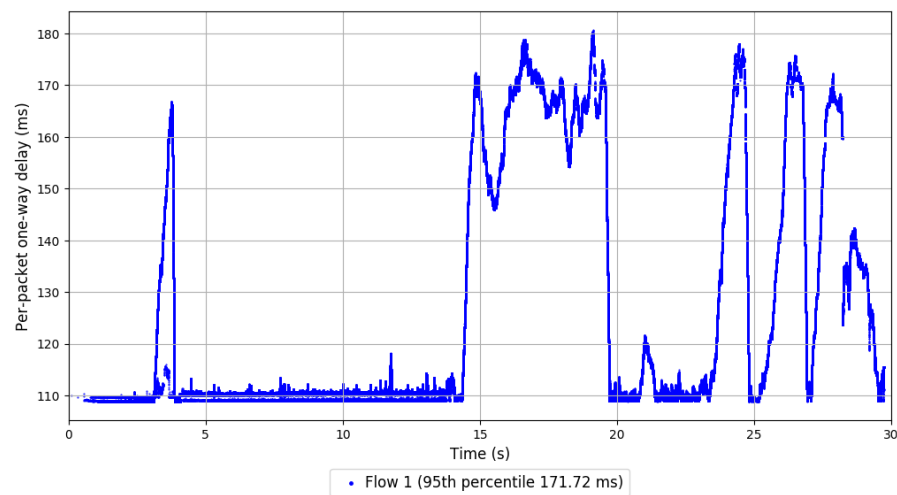
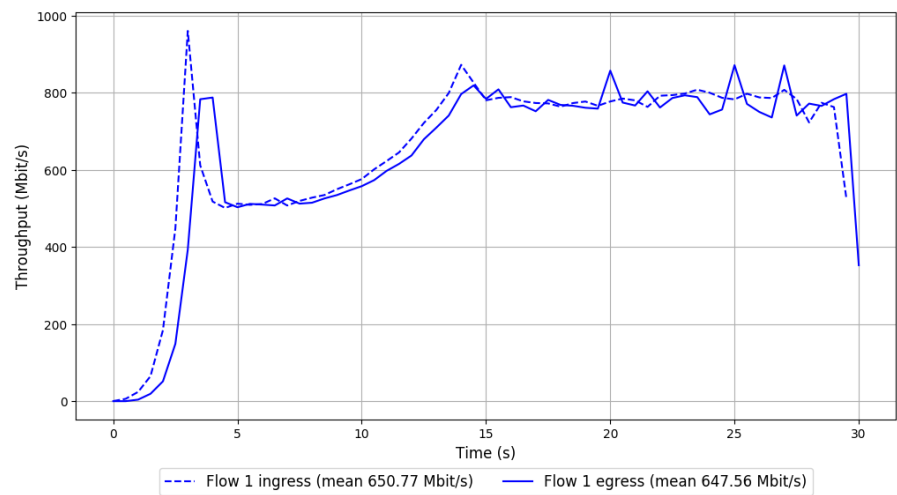
-- Flow 1:

Average throughput: 647.56 Mbit/s

95th percentile per-packet one-way delay: 171.725 ms

Loss rate: 1.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 15:22:10

End at: 2018-08-01 15:22:40

Local clock offset: 1.018 ms

Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-08-01 17:21:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 627.48 Mbit/s

95th percentile per-packet one-way delay: 180.056 ms

Loss rate: 2.02%

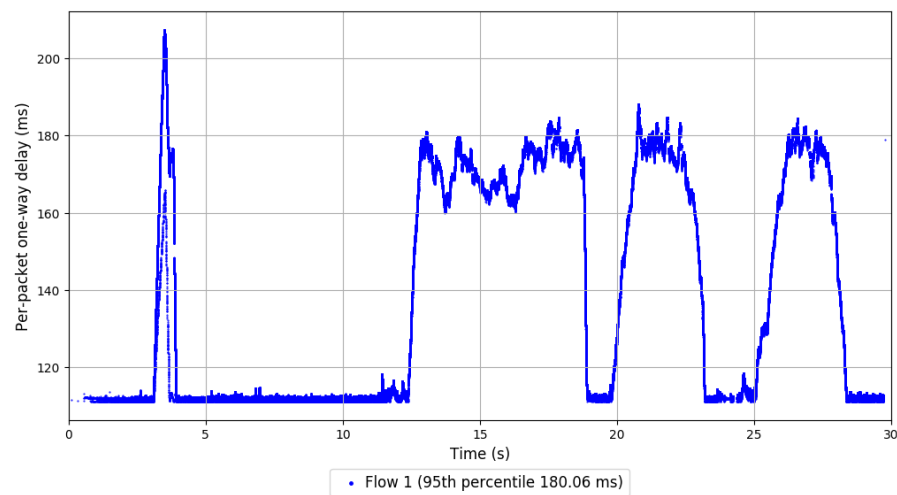
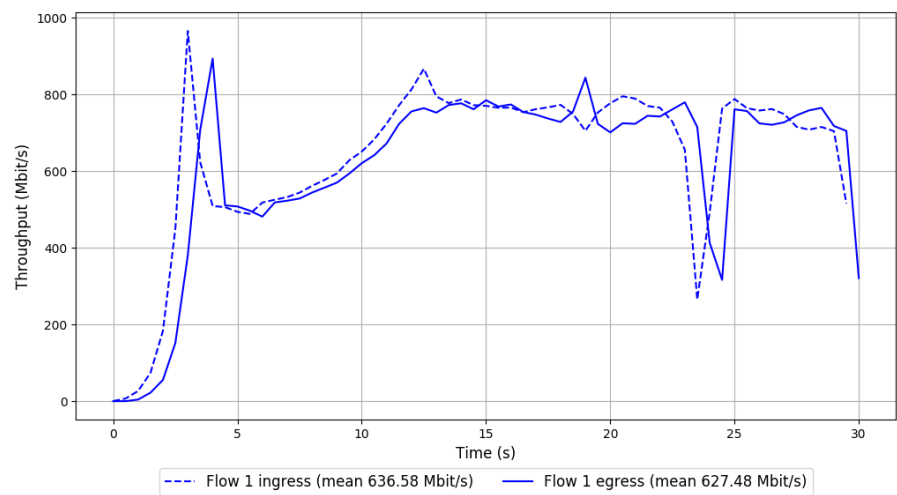
-- Flow 1:

Average throughput: 627.48 Mbit/s

95th percentile per-packet one-way delay: 180.056 ms

Loss rate: 2.02%

Run 9: Report of PCC-Allegro — Data Link

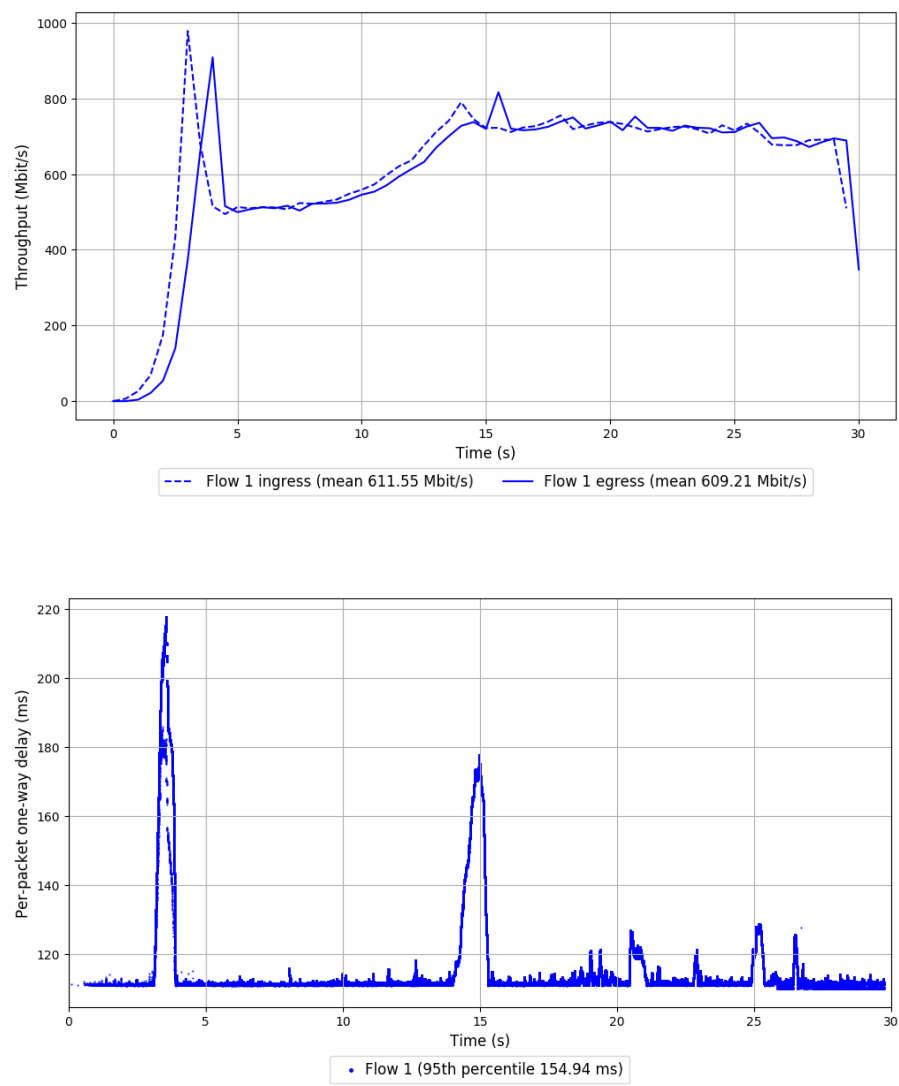


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 15:44:51
End at: 2018-08-01 15:45:21
Local clock offset: 0.209 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-08-01 17:21:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 609.21 Mbit/s
95th percentile per-packet one-way delay: 154.944 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 609.21 Mbit/s
95th percentile per-packet one-way delay: 154.944 ms
Loss rate: 1.13%

Run 10: Report of PCC-Allegro — Data Link

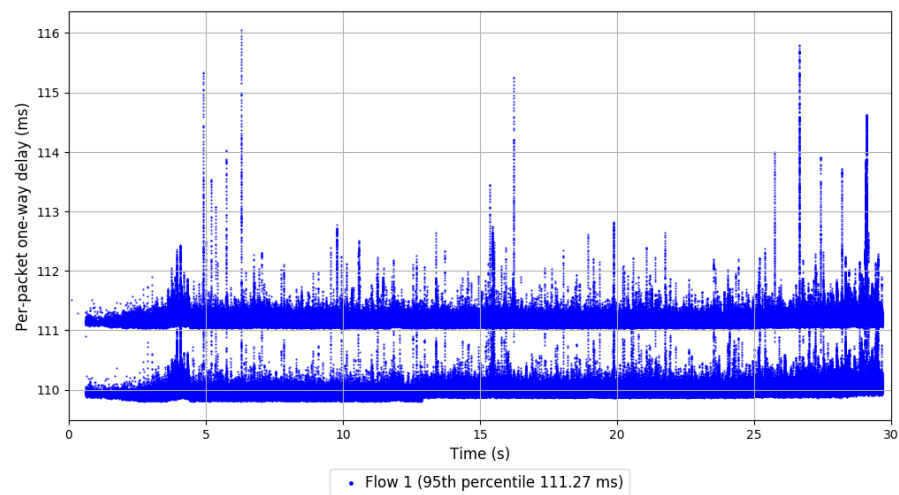
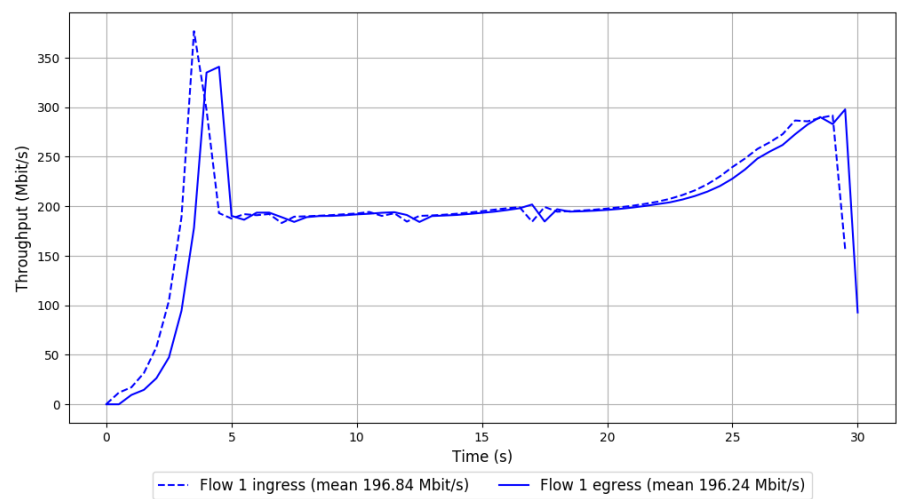


Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 12:31:54
End at: 2018-08-01 12:32:24
Local clock offset: -0.422 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-08-01 17:21:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.24 Mbit/s
95th percentile per-packet one-way delay: 111.274 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 196.24 Mbit/s
95th percentile per-packet one-way delay: 111.274 ms
Loss rate: 1.06%

Run 1: Report of PCC-Expr — Data Link

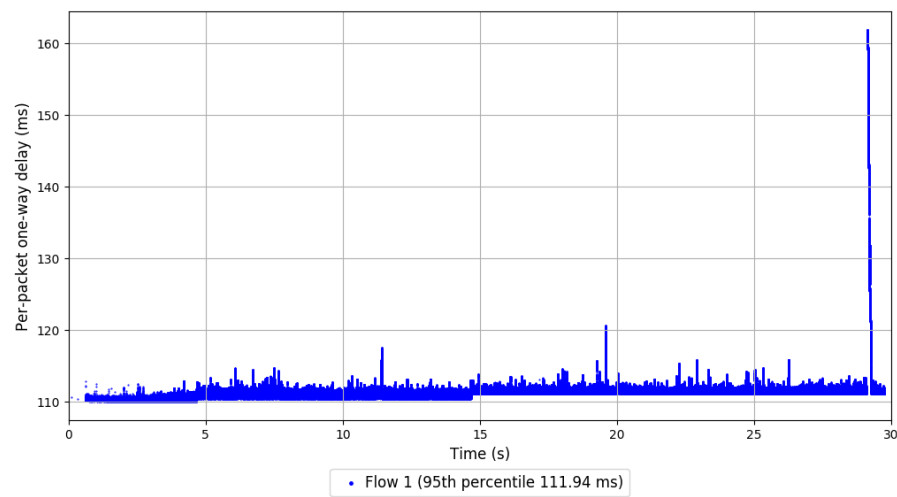
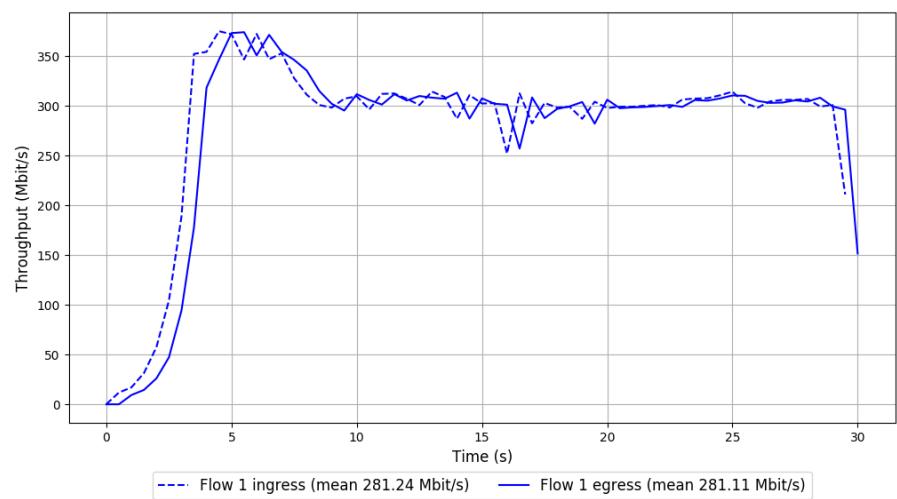


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 12:54:32
End at: 2018-08-01 12:55:02
Local clock offset: -0.339 ms
Remote clock offset: -0.535 ms

# Below is generated by plot.py at 2018-08-01 17:21:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 281.11 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 281.11 Mbit/s
95th percentile per-packet one-way delay: 111.943 ms
Loss rate: 0.79%
```

Run 2: Report of PCC-Expr — Data Link

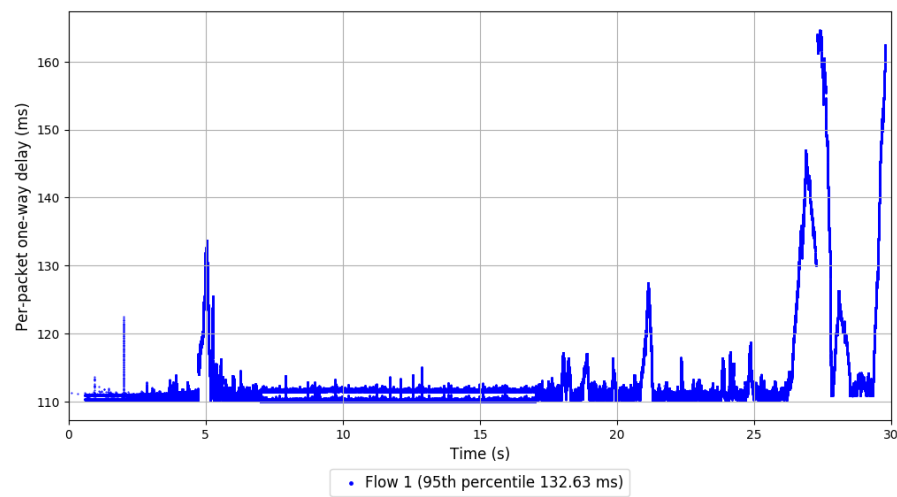
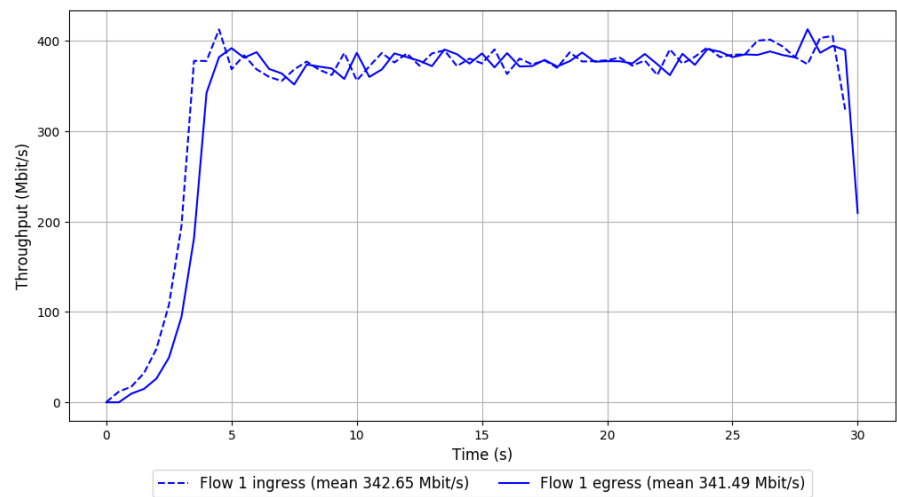


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 13:17:10
End at: 2018-08-01 13:17:40
Local clock offset: -0.233 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-01 17:29:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.49 Mbit/s
95th percentile per-packet one-way delay: 132.630 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 341.49 Mbit/s
95th percentile per-packet one-way delay: 132.630 ms
Loss rate: 1.08%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 13:40:10

End at: 2018-08-01 13:40:40

Local clock offset: -0.122 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-08-01 17:30:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.13 Mbit/s

95th percentile per-packet one-way delay: 111.434 ms

Loss rate: 0.79%

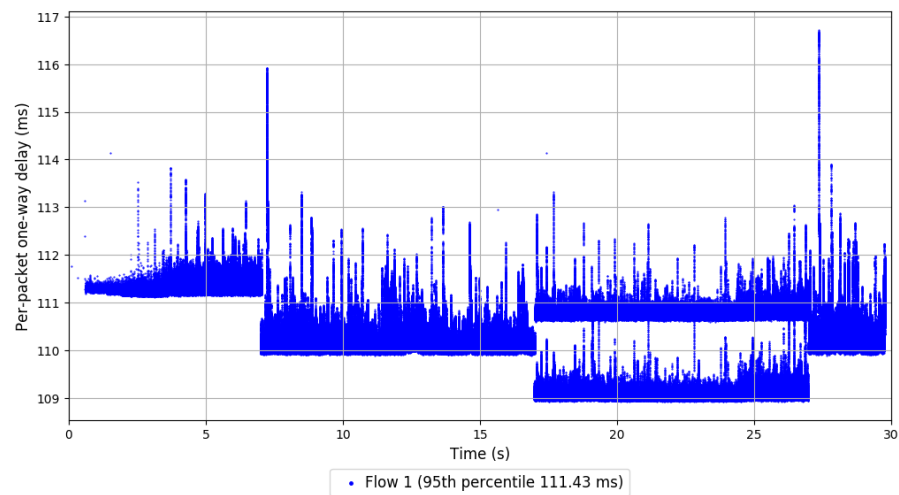
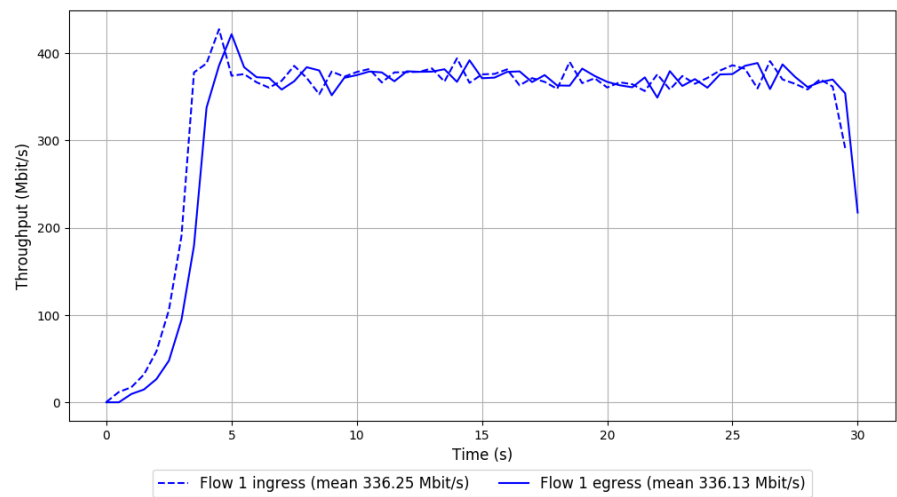
-- Flow 1:

Average throughput: 336.13 Mbit/s

95th percentile per-packet one-way delay: 111.434 ms

Loss rate: 0.79%

Run 4: Report of PCC-Expr — Data Link

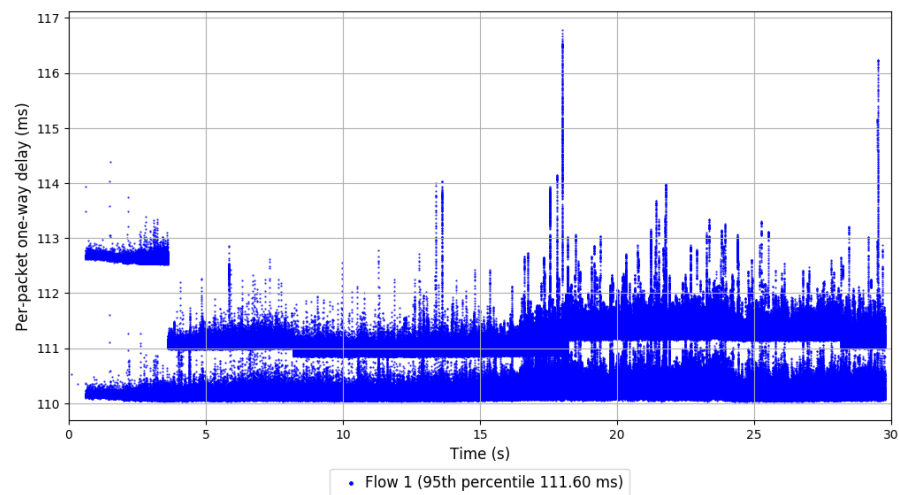
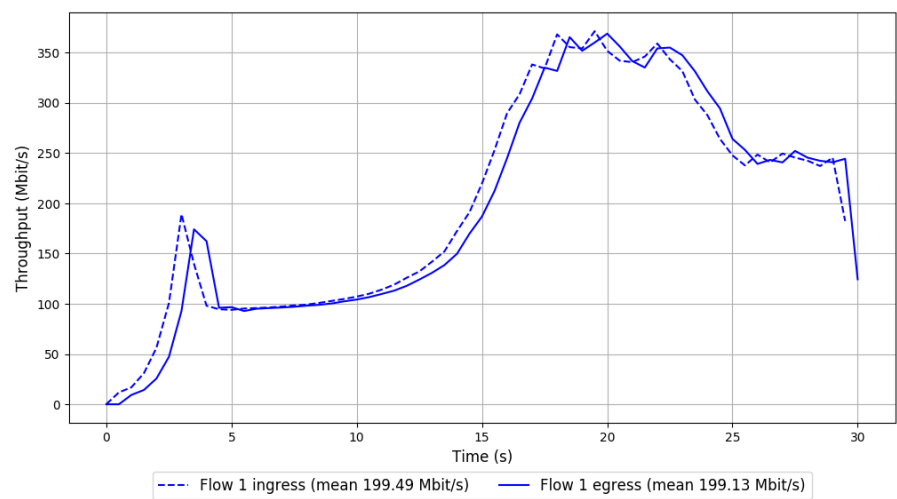


Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 14:02:29
End at: 2018-08-01 14:02:59
Local clock offset: -0.254 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-01 17:30:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.13 Mbit/s
95th percentile per-packet one-way delay: 111.596 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 199.13 Mbit/s
95th percentile per-packet one-way delay: 111.596 ms
Loss rate: 0.92%

Run 5: Report of PCC-Expr — Data Link

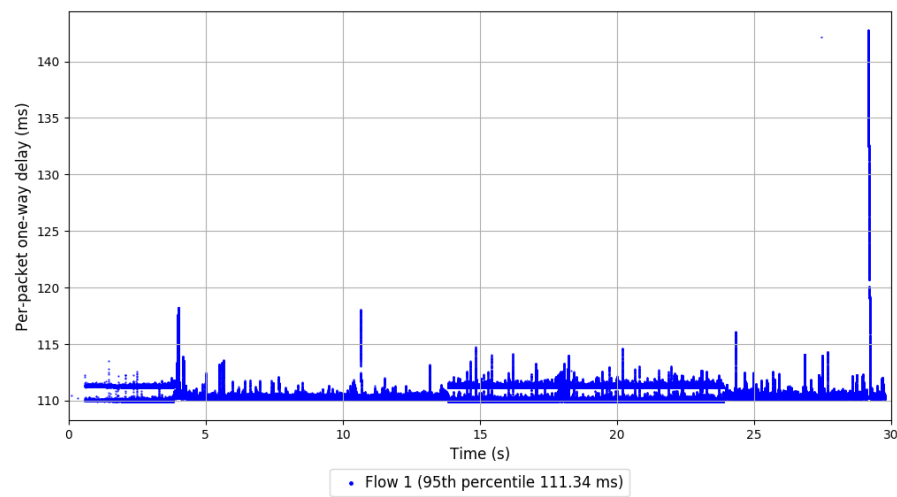
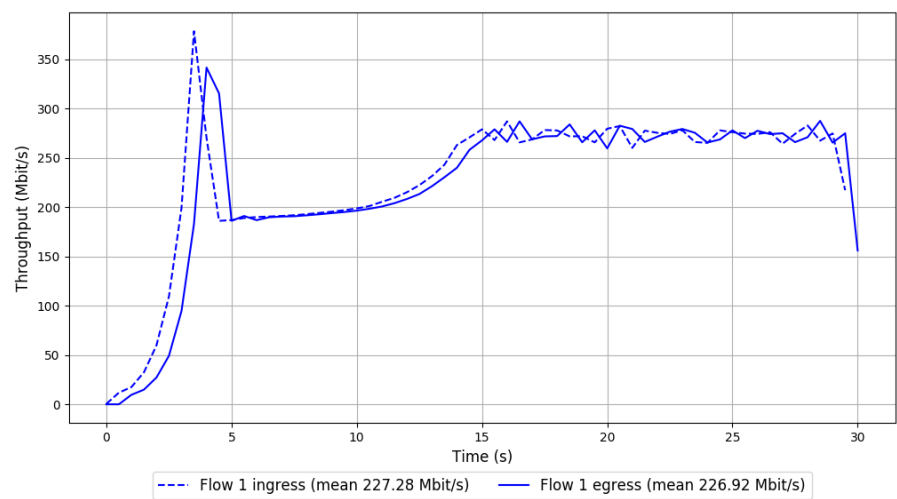


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 14:24:43
End at: 2018-08-01 14:25:13
Local clock offset: -0.194 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-08-01 17:30:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.92 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 226.92 Mbit/s
95th percentile per-packet one-way delay: 111.341 ms
Loss rate: 0.90%

Run 6: Report of PCC-Expr — Data Link

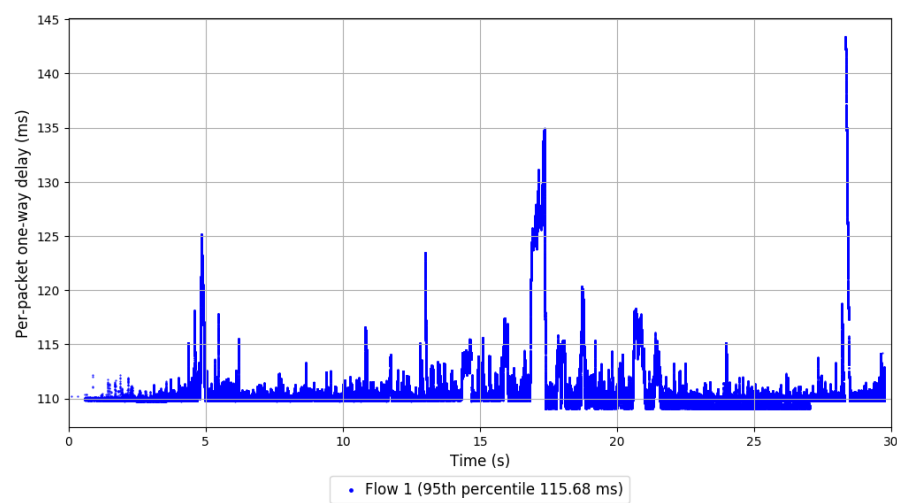
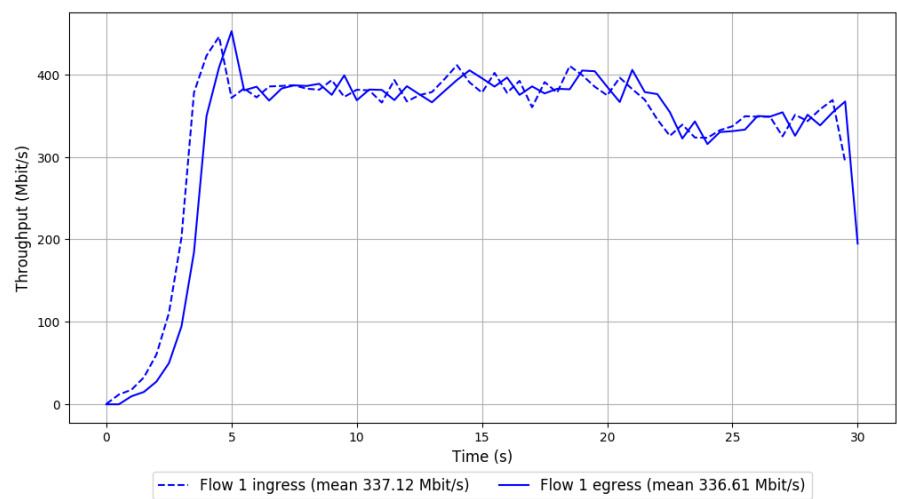


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 14:47:30
End at: 2018-08-01 14:48:00
Local clock offset: -0.582 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.61 Mbit/s
95th percentile per-packet one-way delay: 115.681 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 336.61 Mbit/s
95th percentile per-packet one-way delay: 115.681 ms
Loss rate: 0.90%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 15:10:17

End at: 2018-08-01 15:10:47

Local clock offset: -1.584 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.76 Mbit/s

95th percentile per-packet one-way delay: 113.080 ms

Loss rate: 0.71%

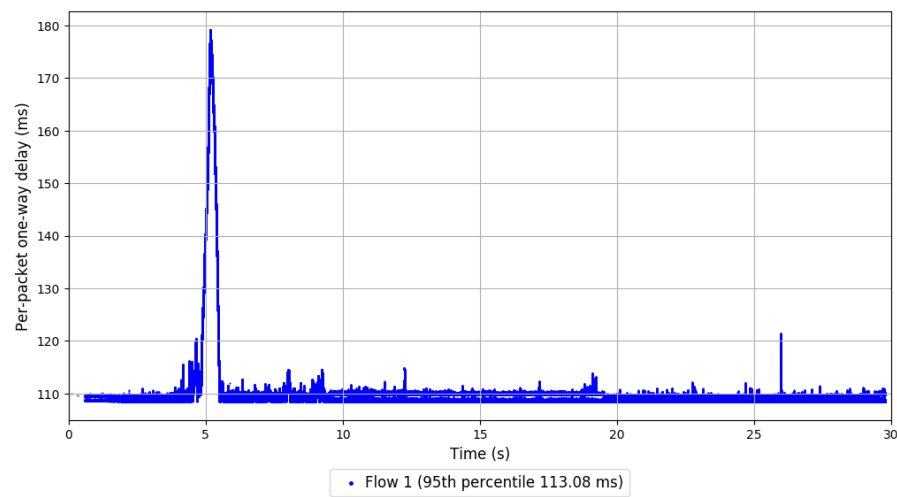
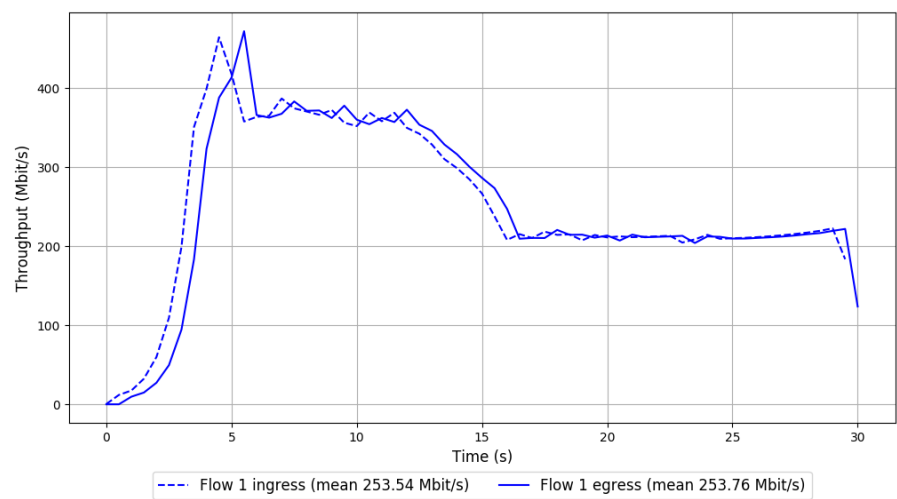
-- Flow 1:

Average throughput: 253.76 Mbit/s

95th percentile per-packet one-way delay: 113.080 ms

Loss rate: 0.71%

Run 8: Report of PCC-Expr — Data Link

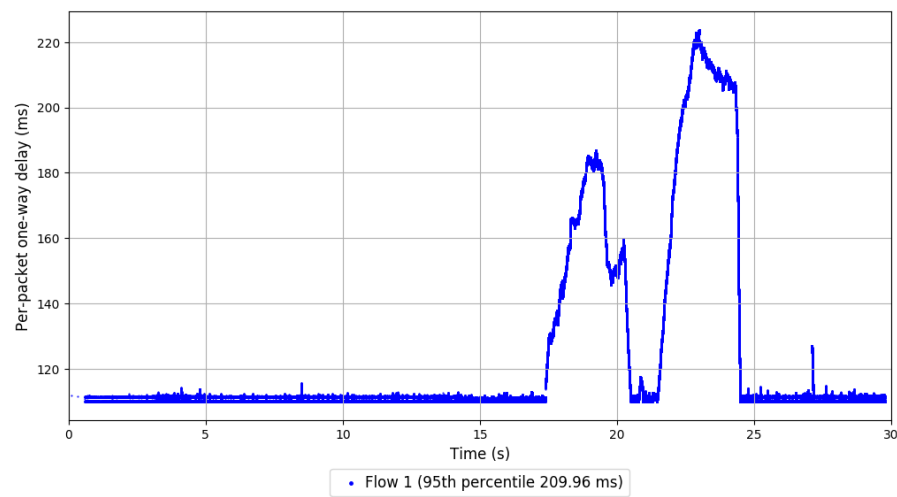
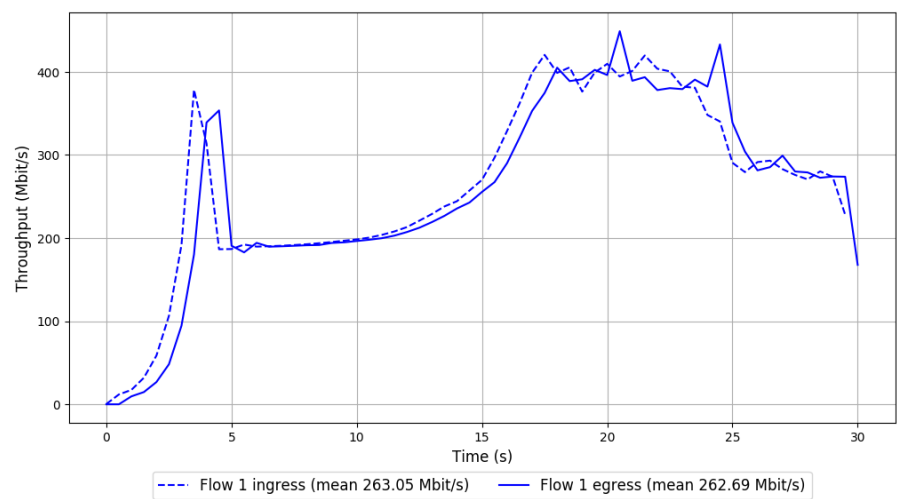


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 15:32:43
End at: 2018-08-01 15:33:13
Local clock offset: -0.4 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.69 Mbit/s
95th percentile per-packet one-way delay: 209.958 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 262.69 Mbit/s
95th percentile per-packet one-way delay: 209.958 ms
Loss rate: 0.89%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 15:55:20

End at: 2018-08-01 15:55:50

Local clock offset: -0.056 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.51 Mbit/s

95th percentile per-packet one-way delay: 111.059 ms

Loss rate: 0.83%

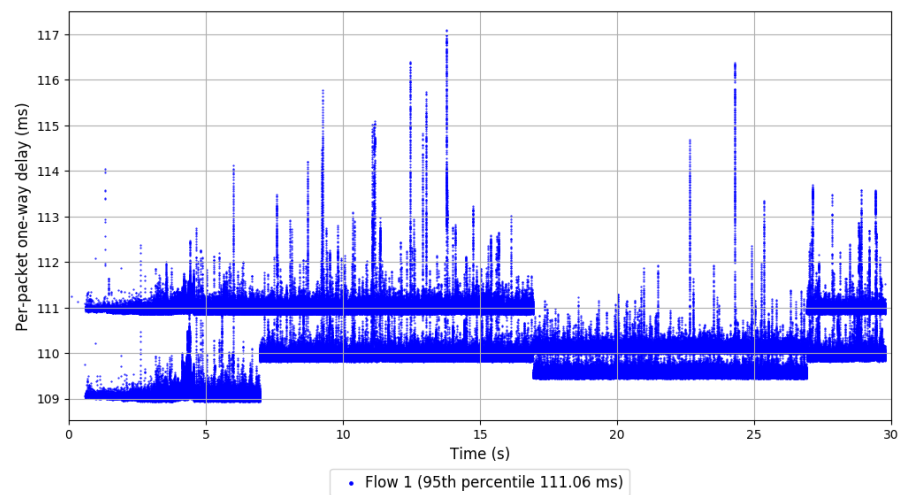
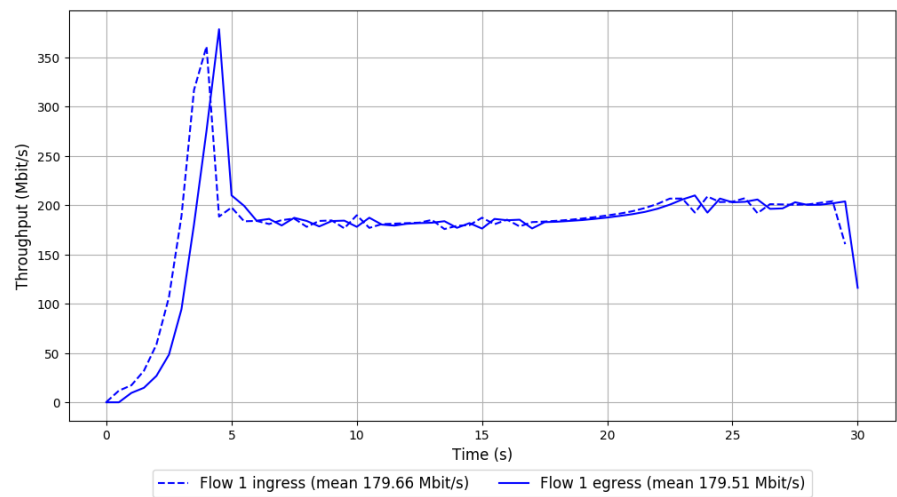
-- Flow 1:

Average throughput: 179.51 Mbit/s

95th percentile per-packet one-way delay: 111.059 ms

Loss rate: 0.83%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

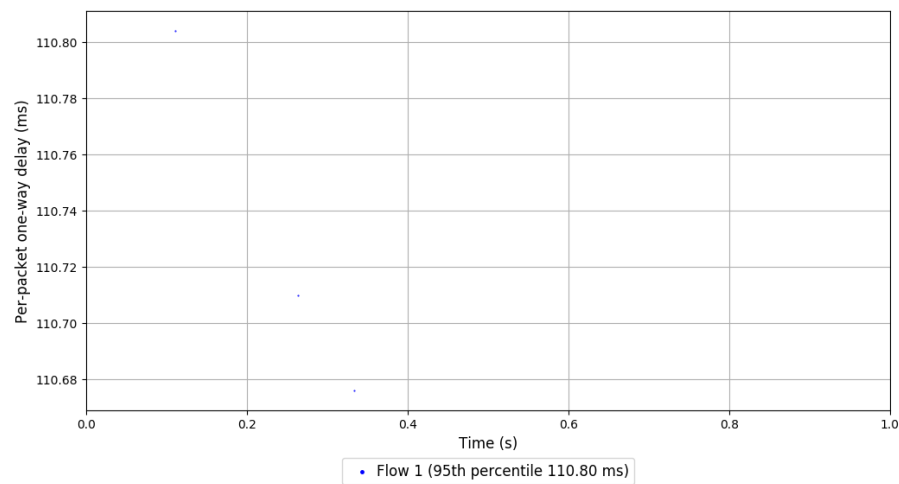
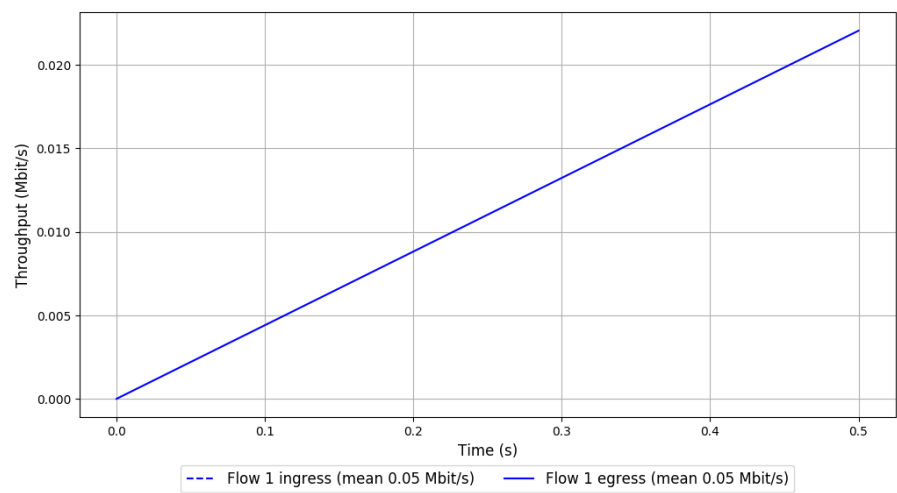
Start at: 2018-08-01 12:23:55

End at: 2018-08-01 12:24:25

Local clock offset: -0.171 ms

Remote clock offset: 0.082 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

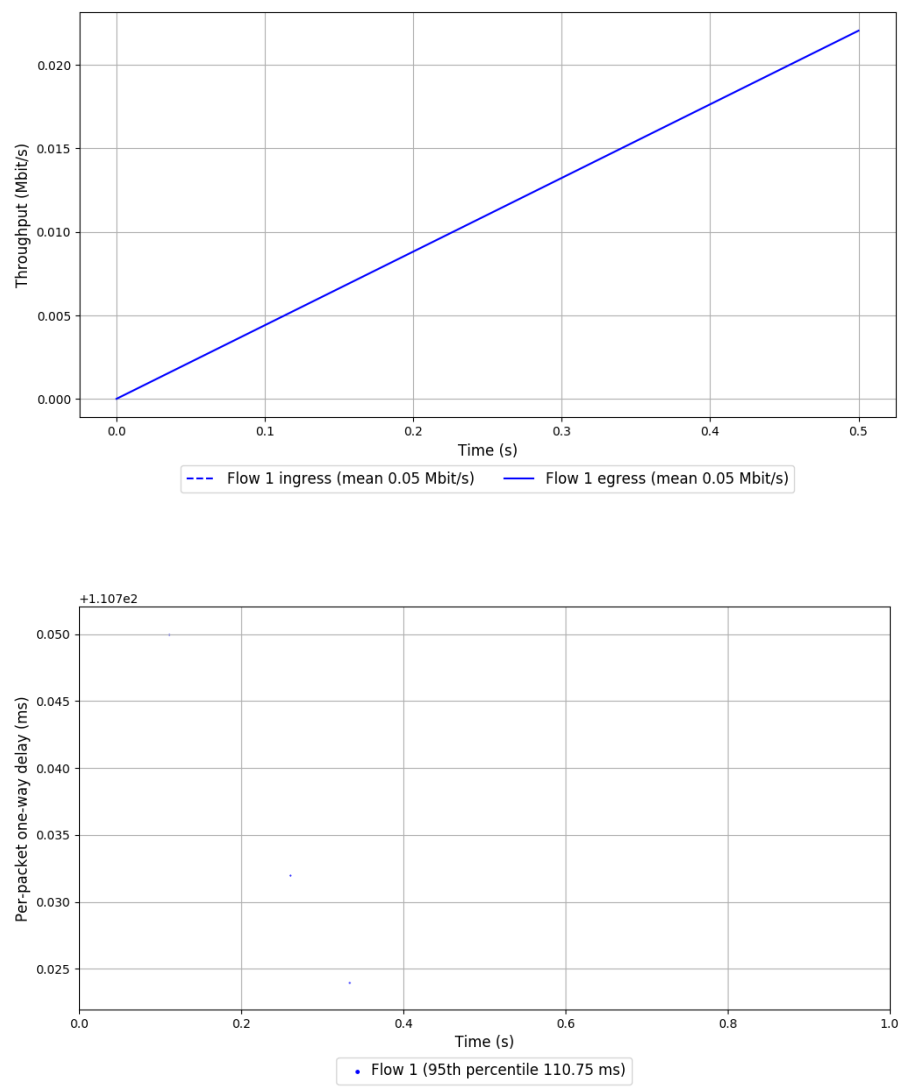
Start at: 2018-08-01 12:46:30

End at: 2018-08-01 12:47:00

Local clock offset: -0.192 ms

Remote clock offset: 0.178 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

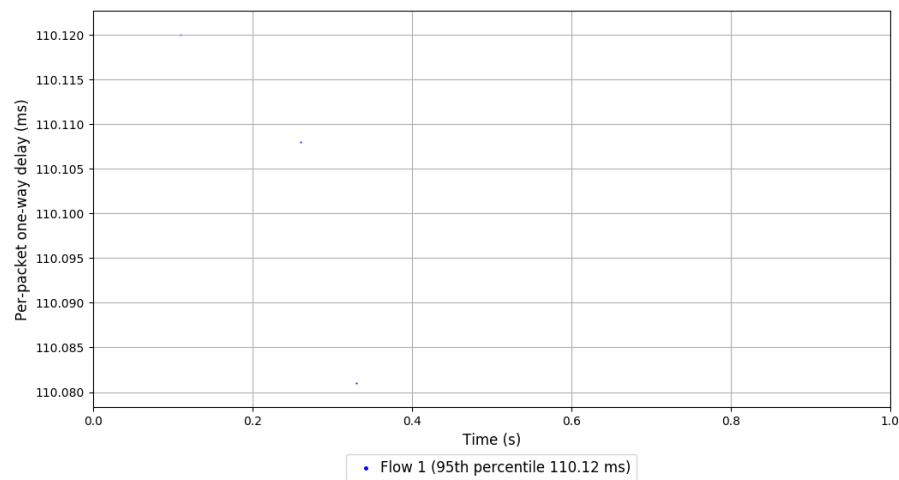
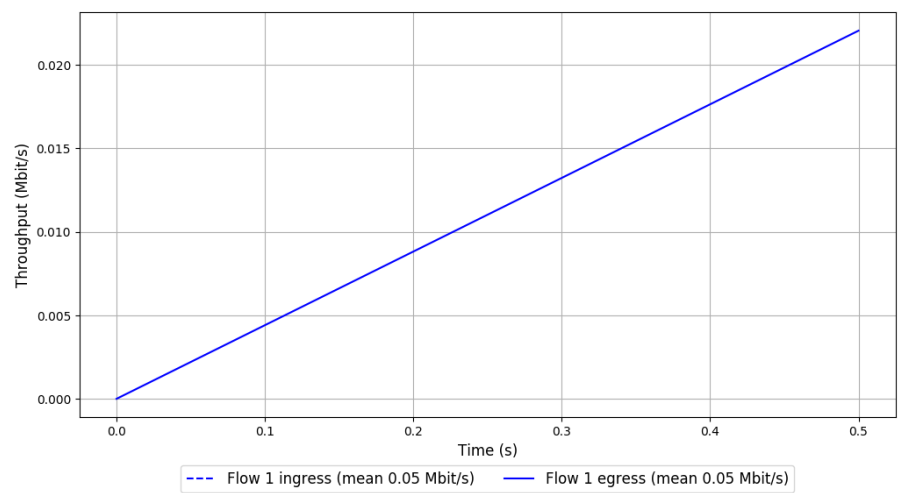
Start at: 2018-08-01 13:09:17

End at: 2018-08-01 13:09:47

Local clock offset: -0.257 ms

Remote clock offset: -0.098 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

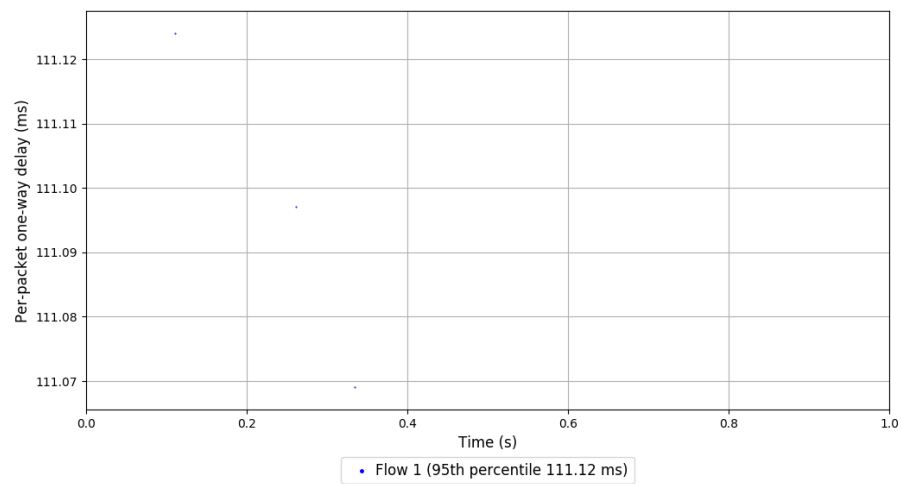
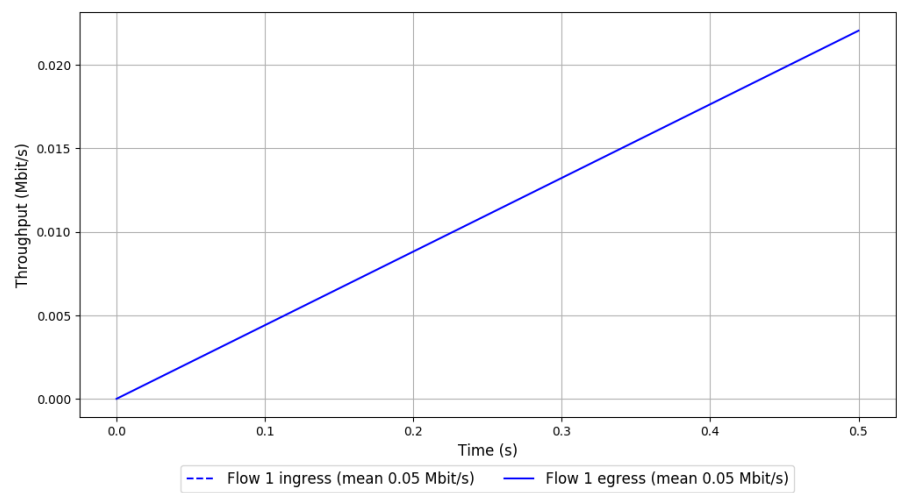
Start at: 2018-08-01 13:32:03

End at: 2018-08-01 13:32:33

Local clock offset: -0.305 ms

Remote clock offset: 0.138 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

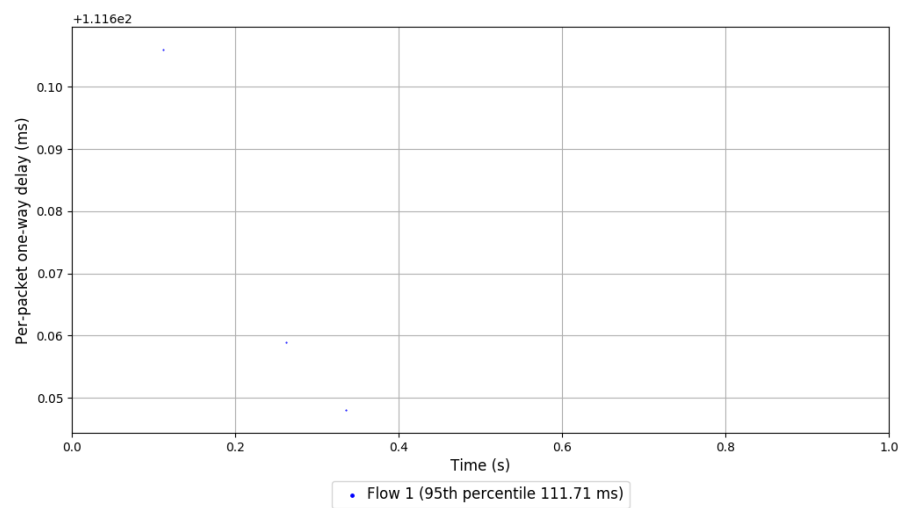
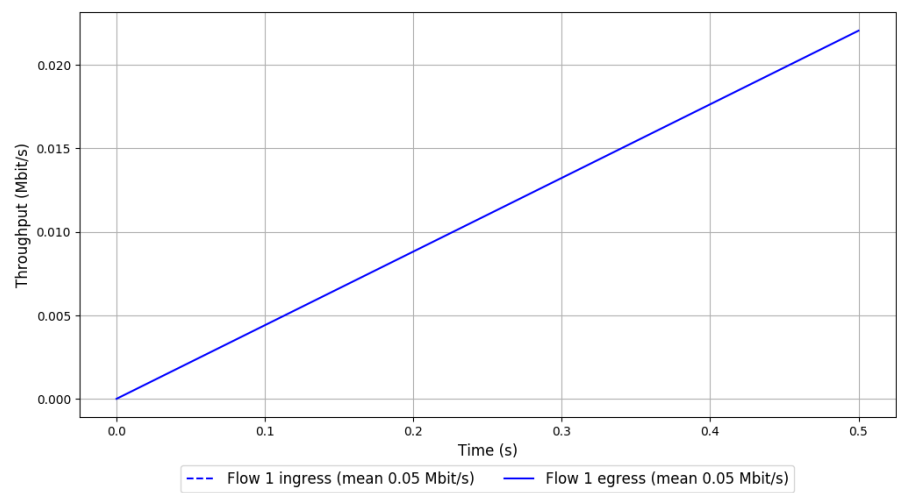
Start at: 2018-08-01 13:54:35

End at: 2018-08-01 13:55:05

Local clock offset: -0.025 ms

Remote clock offset: -0.456 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

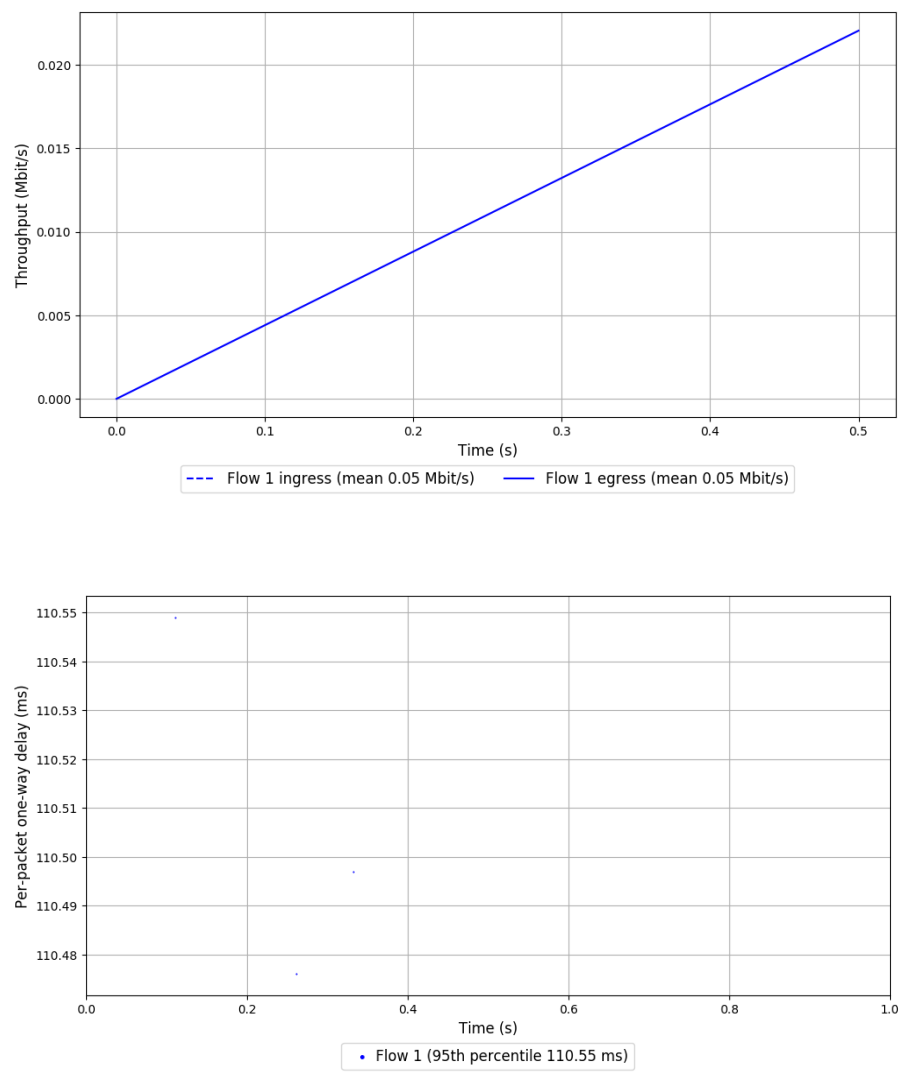
Start at: 2018-08-01 14:16:49

End at: 2018-08-01 14:17:19

Local clock offset: -0.468 ms

Remote clock offset: -0.068 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

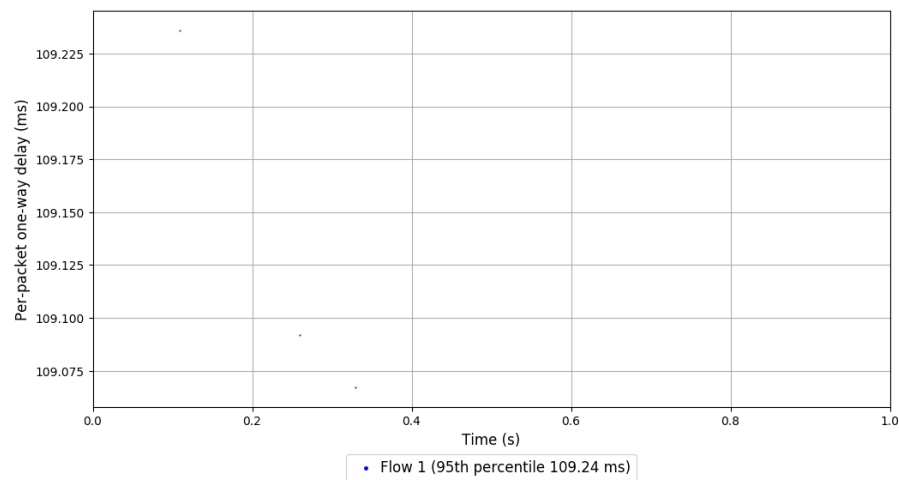
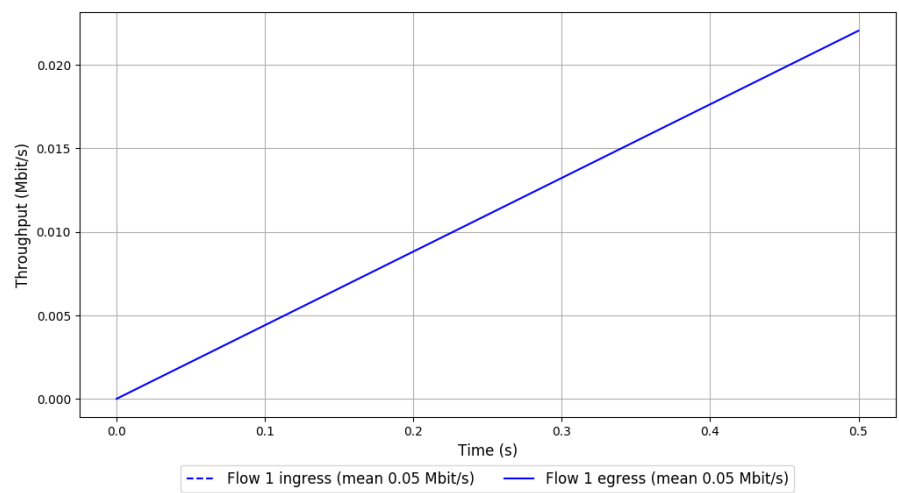
Start at: 2018-08-01 14:39:24

End at: 2018-08-01 14:39:54

Local clock offset: -0.442 ms

Remote clock offset: 0.231 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

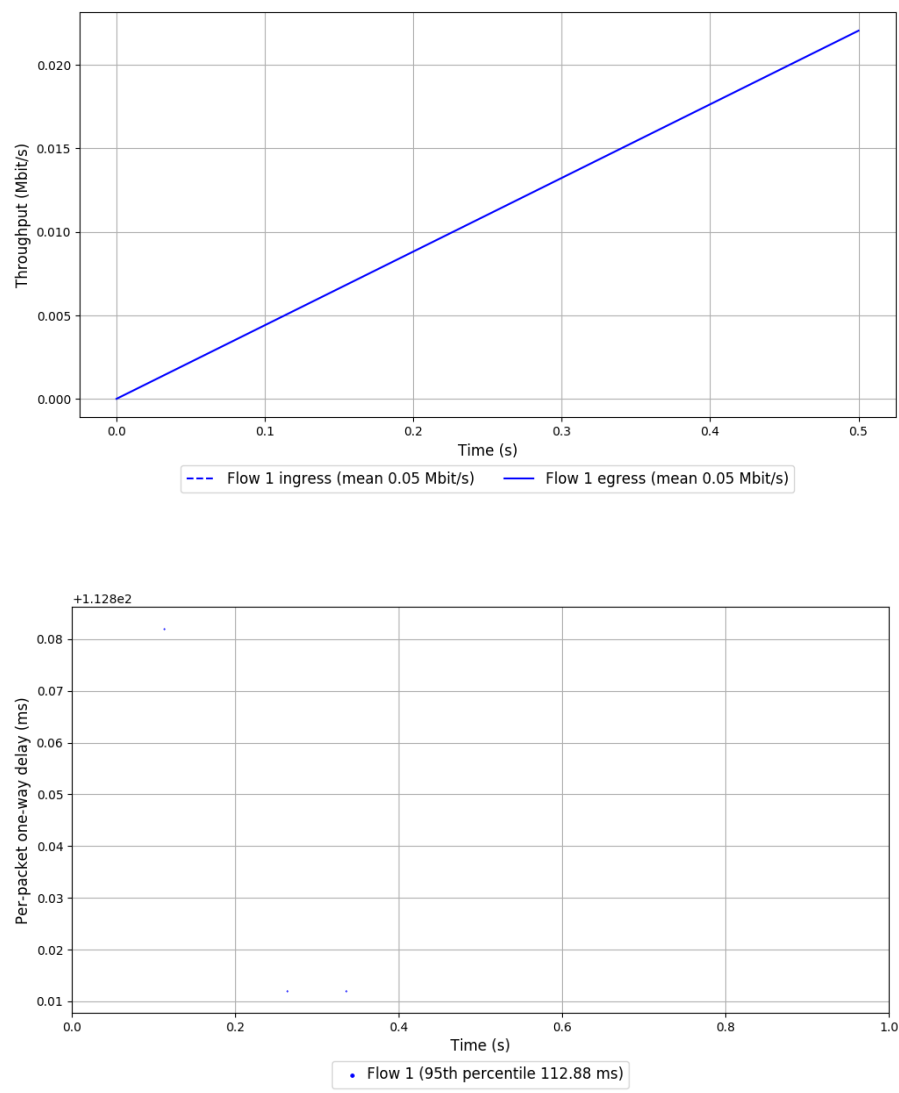
Start at: 2018-08-01 15:02:13

End at: 2018-08-01 15:02:43

Local clock offset: 1.061 ms

Remote clock offset: -0.479 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

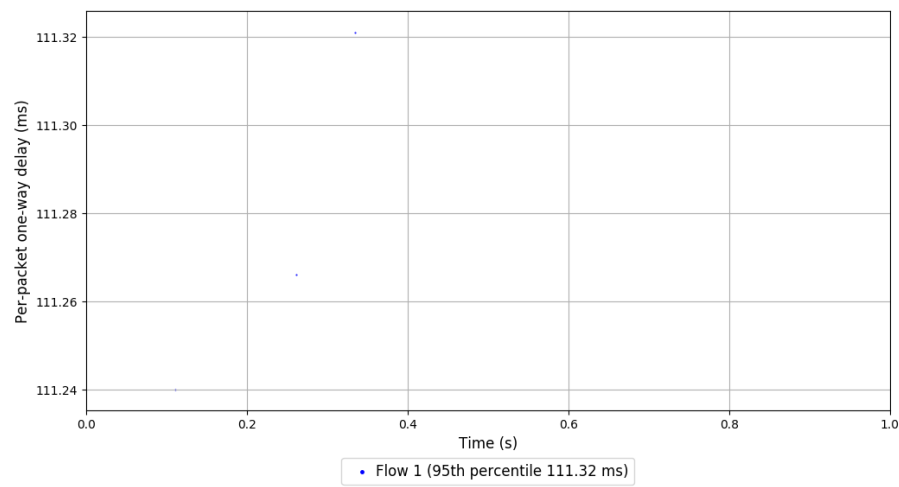
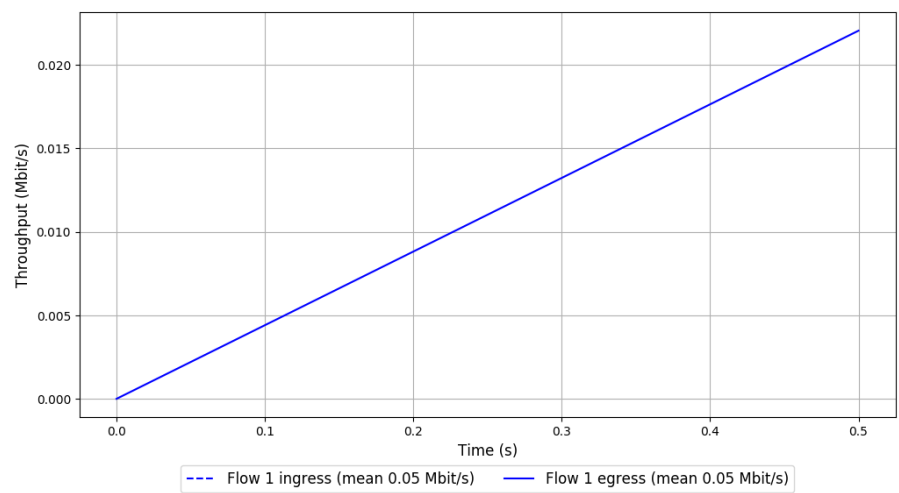
Start at: 2018-08-01 15:24:49

End at: 2018-08-01 15:25:19

Local clock offset: -0.183 ms

Remote clock offset: 0.313 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

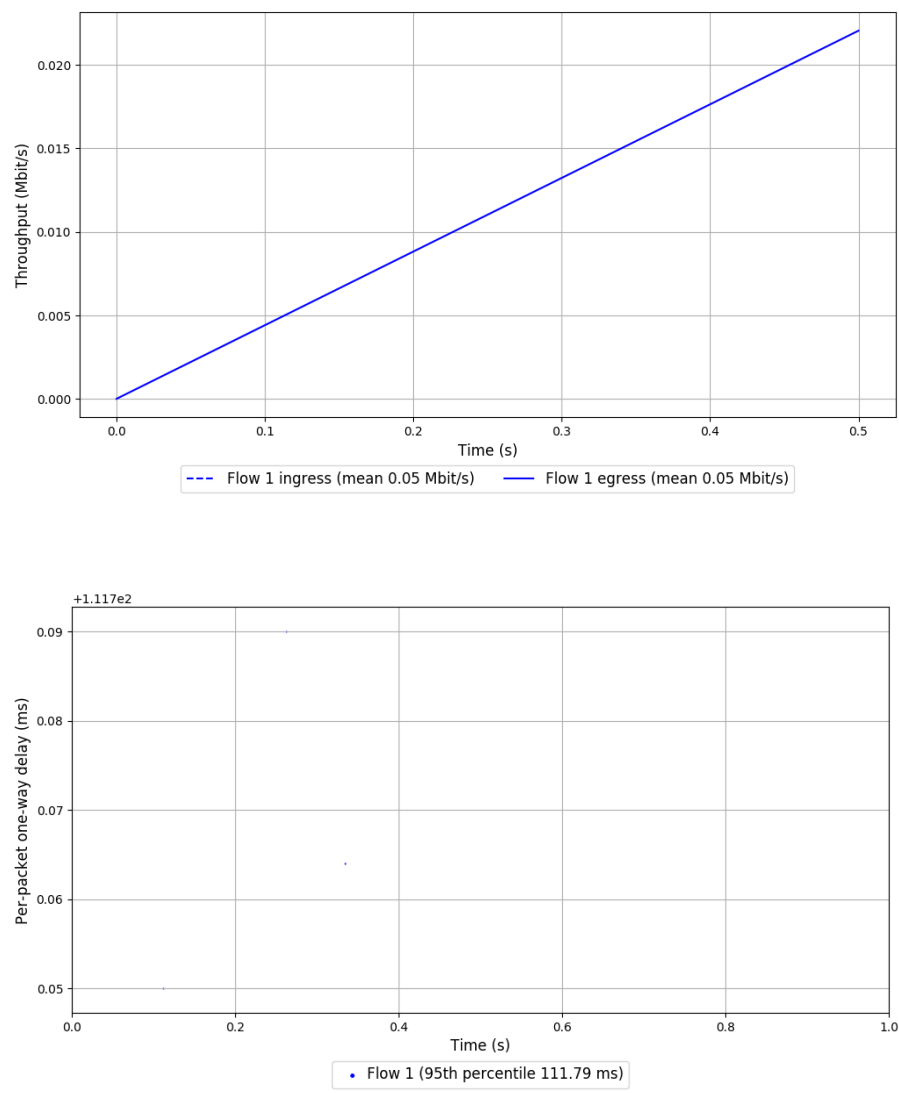
Start at: 2018-08-01 15:47:30

End at: 2018-08-01 15:48:00

Local clock offset: 0.164 ms

Remote clock offset: -0.476 ms

Run 10: Report of QUIC Cubic — Data Link

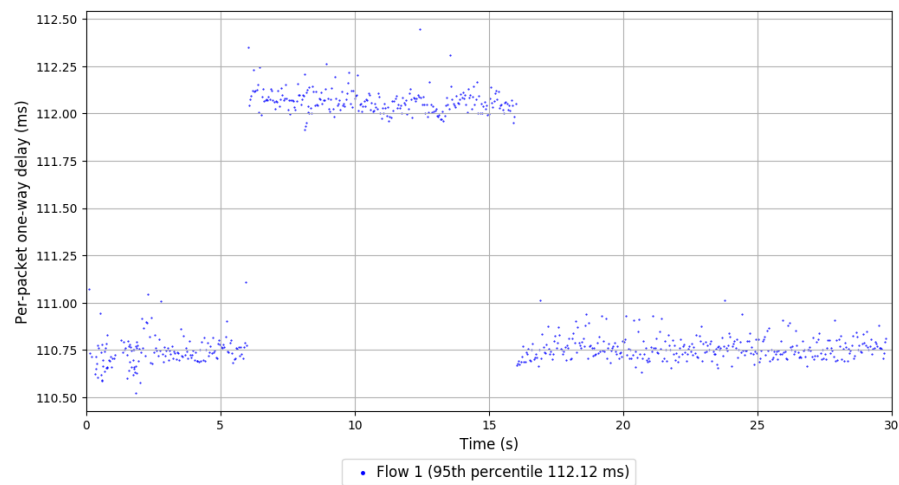
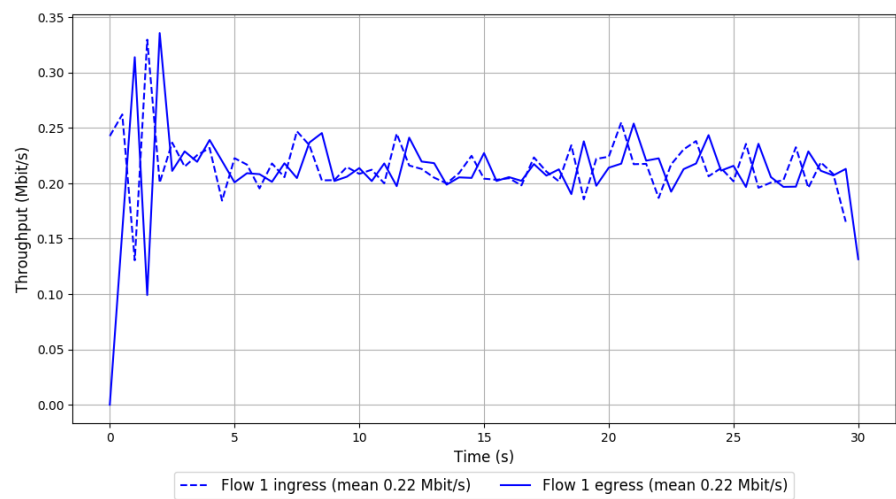


Run 1: Statistics of SCReAM

Start at: 2018-08-01 12:17:51
End at: 2018-08-01 12:18:21
Local clock offset: 0.05 ms
Remote clock offset: -0.613 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.117 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.117 ms
Loss rate: 0.64%

Run 1: Report of SReAM — Data Link

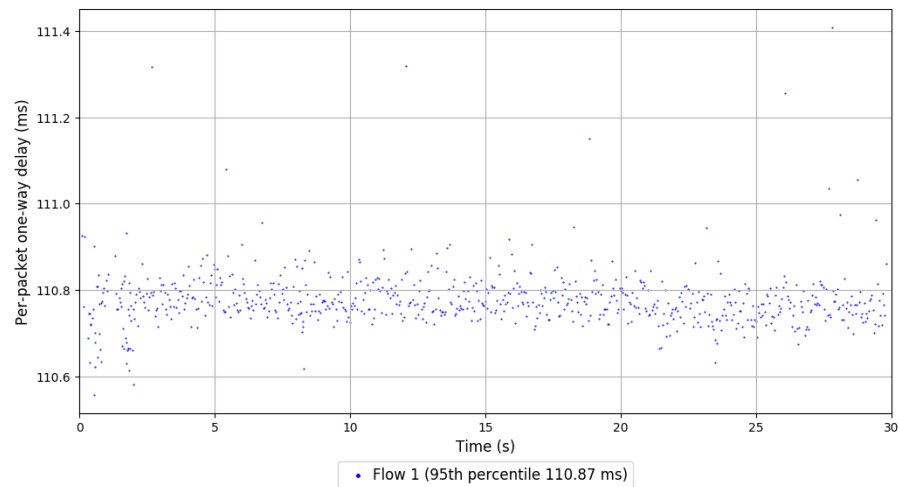
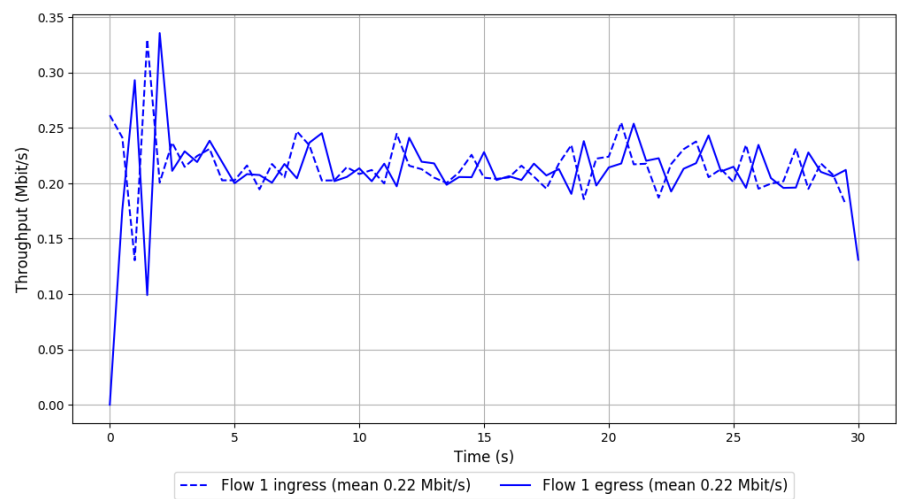


```
Run 2: Statistics of SCReAM

Start at: 2018-08-01 12:40:25
End at: 2018-08-01 12:40:55
Local clock offset: -0.182 ms
Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2018-08-01 17:32:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.868 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.868 ms
Loss rate: 0.76%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-01 13:03:12

End at: 2018-08-01 13:03:42

Local clock offset: -0.211 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.205 ms

Loss rate: 0.76%

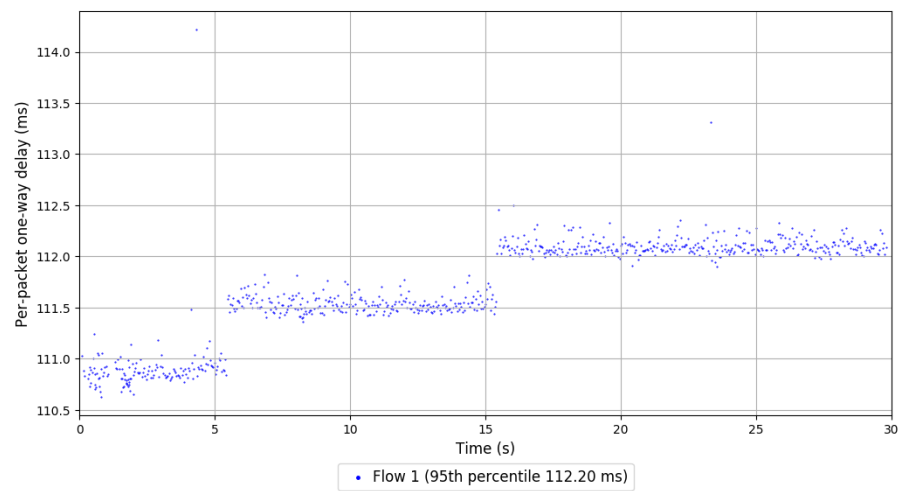
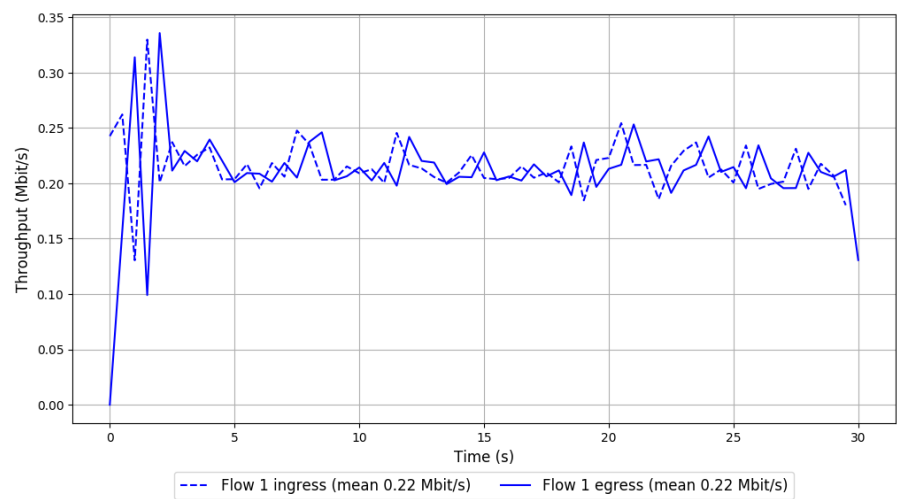
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.205 ms

Loss rate: 0.76%

Run 3: Report of SReAM — Data Link

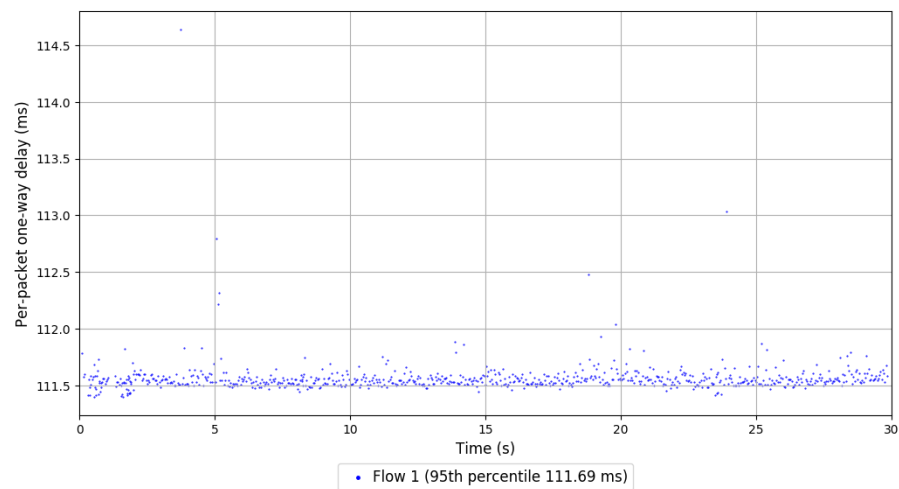
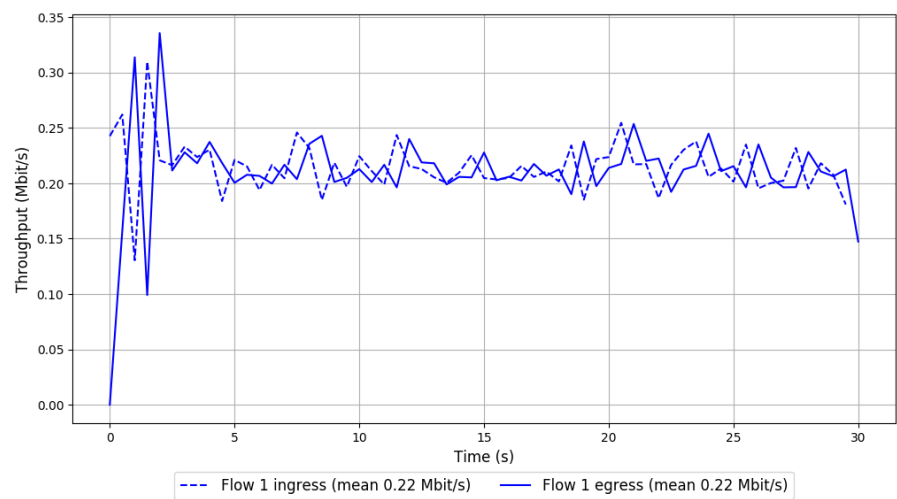


Run 4: Statistics of SCReAM

Start at: 2018-08-01 13:25:56
End at: 2018-08-01 13:26:26
Local clock offset: -0.244 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.688 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.688 ms
Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

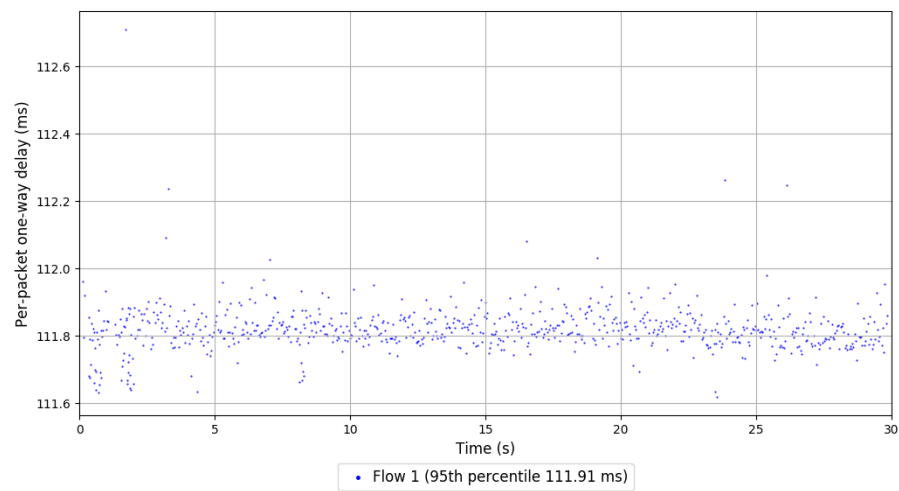
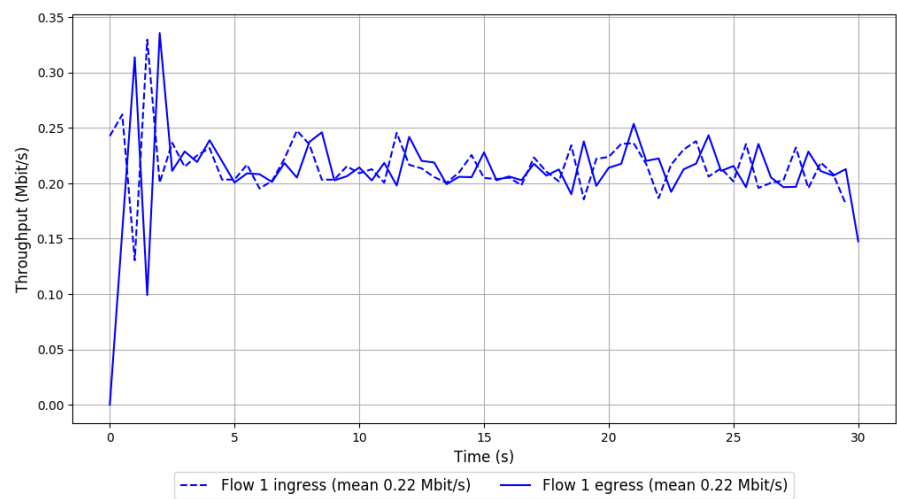


Run 5: Statistics of SCReAM

Start at: 2018-08-01 13:48:29
End at: 2018-08-01 13:48:59
Local clock offset: 0.021 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.912 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.912 ms
Loss rate: 0.64%

Run 5: Report of SReAM — Data Link

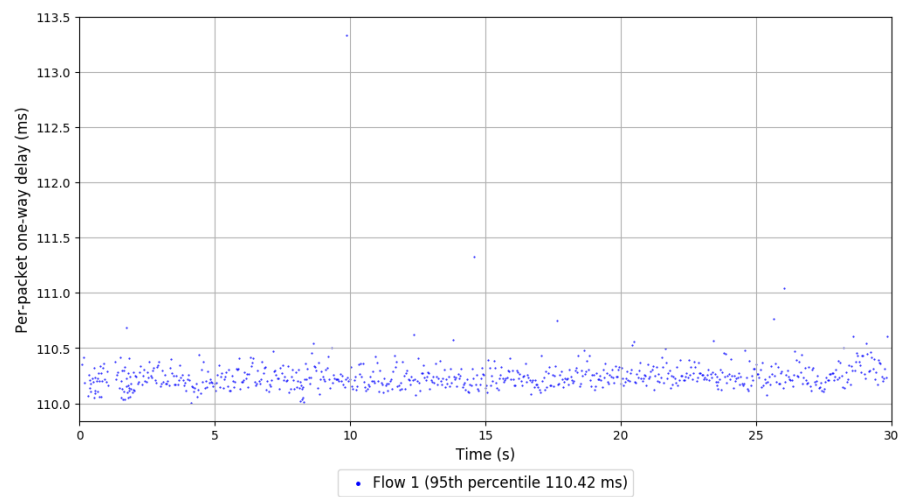
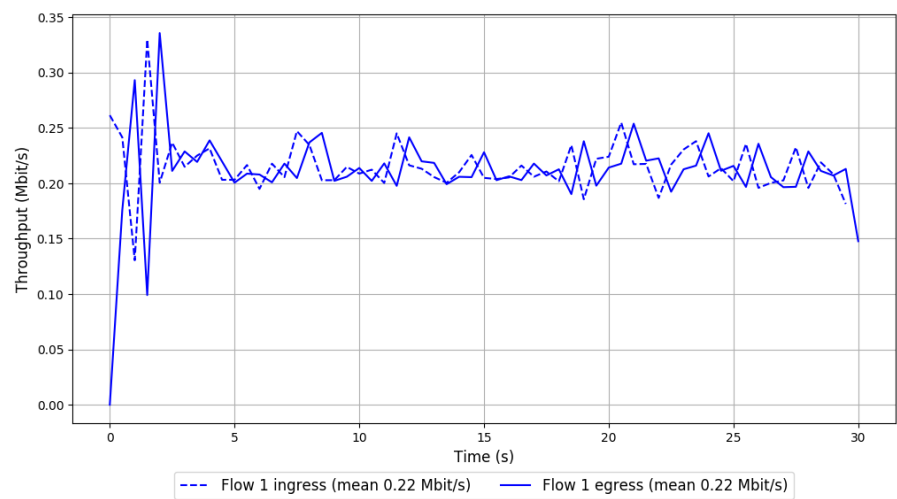


Run 6: Statistics of SCReAM

Start at: 2018-08-01 14:10:45
End at: 2018-08-01 14:11:15
Local clock offset: -0.562 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.421 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.421 ms
Loss rate: 0.64%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-01 14:33:19

End at: 2018-08-01 14:33:49

Local clock offset: -0.077 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.409 ms

Loss rate: 0.77%

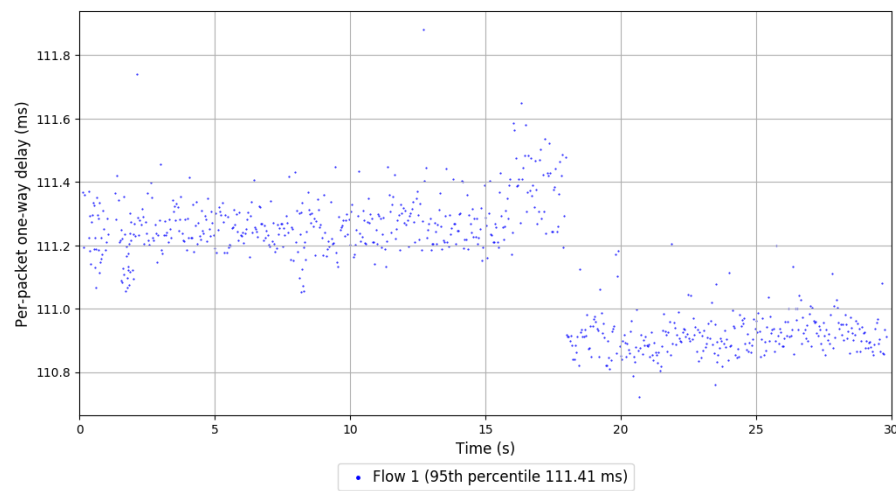
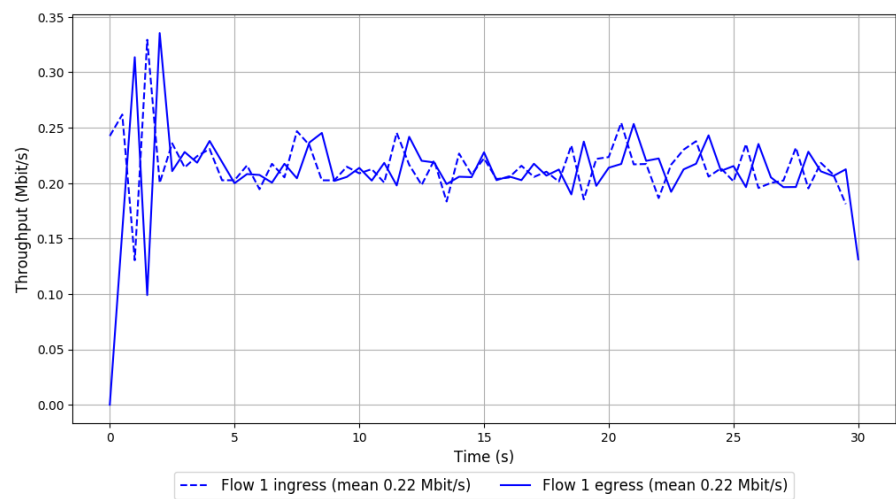
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.409 ms

Loss rate: 0.77%

Run 7: Report of SReAM — Data Link

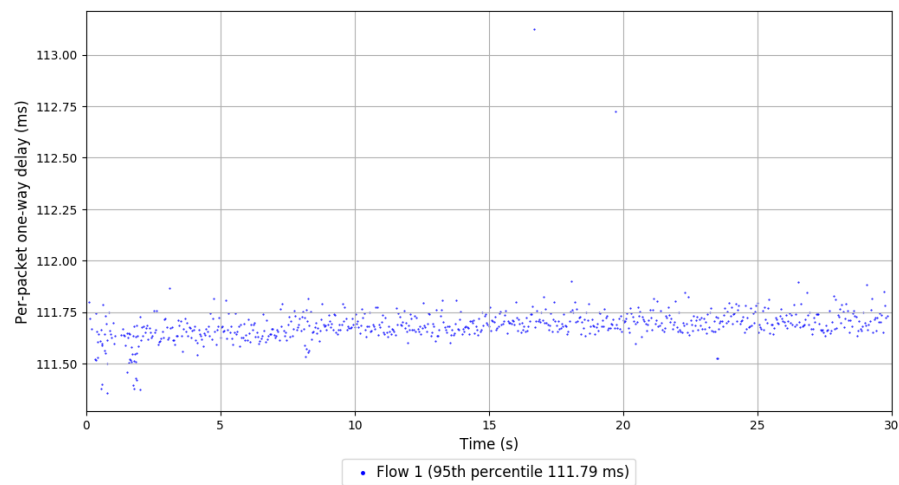
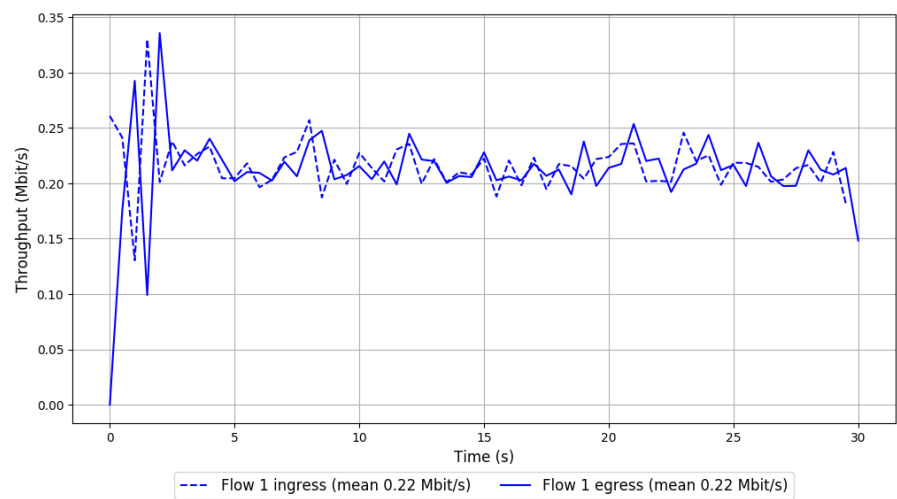


Run 8: Statistics of SCReAM

Start at: 2018-08-01 14:56:07
End at: 2018-08-01 14:56:37
Local clock offset: 0.865 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.786 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.786 ms
Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-01 15:18:43

End at: 2018-08-01 15:19:13

Local clock offset: -0.374 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.965 ms

Loss rate: 0.63%

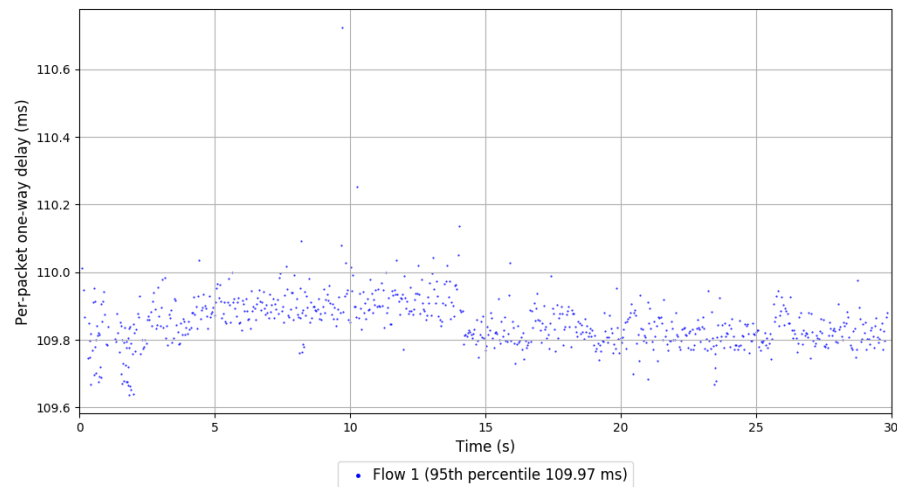
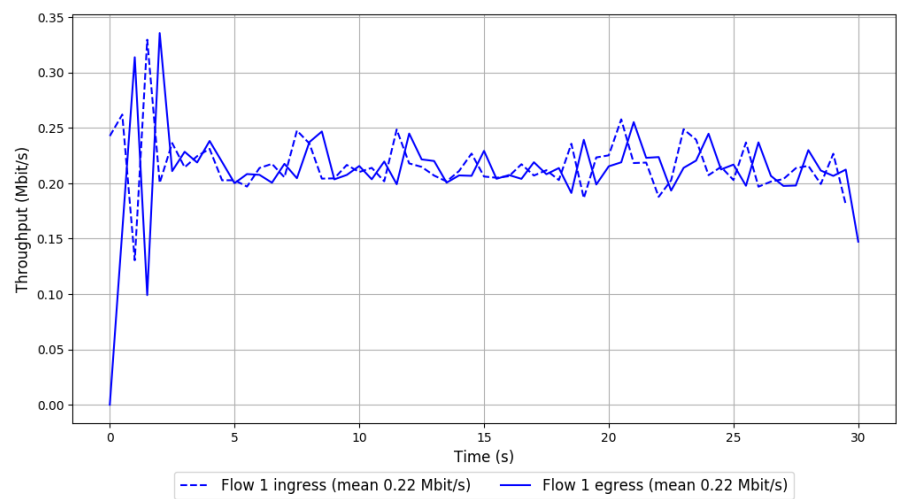
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.965 ms

Loss rate: 0.63%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-01 15:41:25

End at: 2018-08-01 15:41:55

Local clock offset: -0.239 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.845 ms

Loss rate: 0.64%

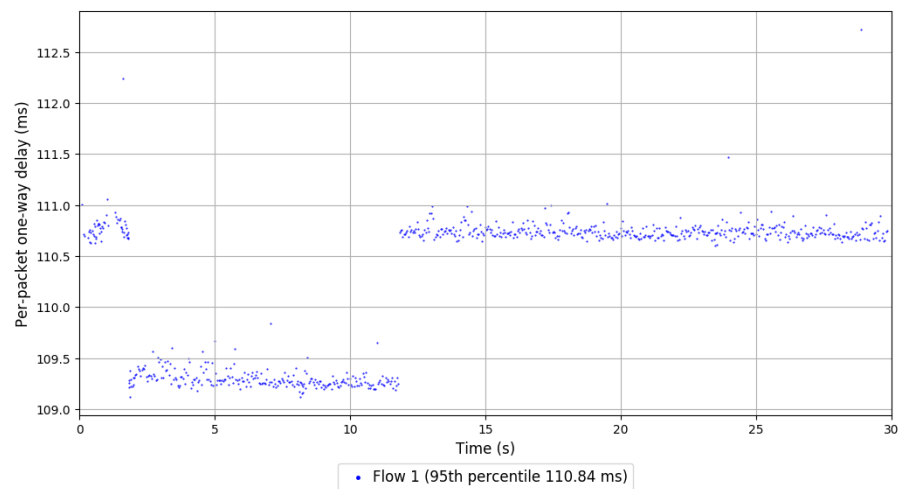
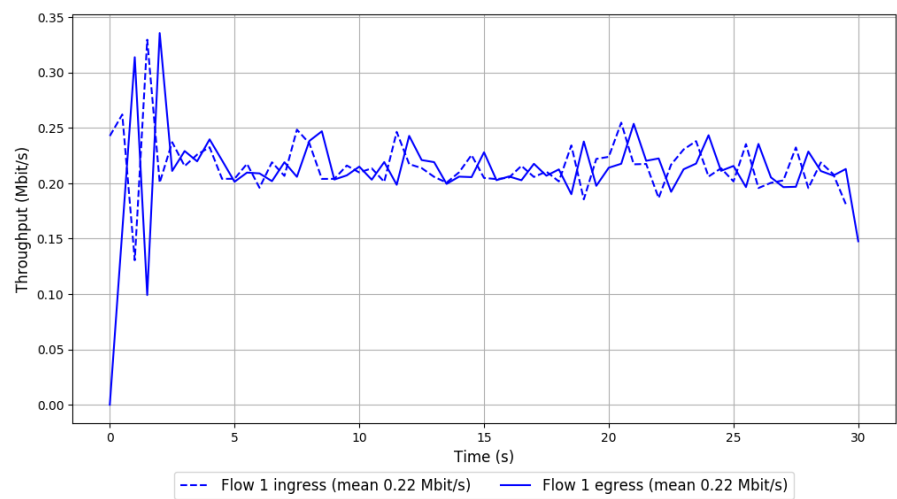
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.845 ms

Loss rate: 0.64%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-01 12:22:47

End at: 2018-08-01 12:23:17

Local clock offset: -0.294 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.868 ms

Loss rate: 0.83%

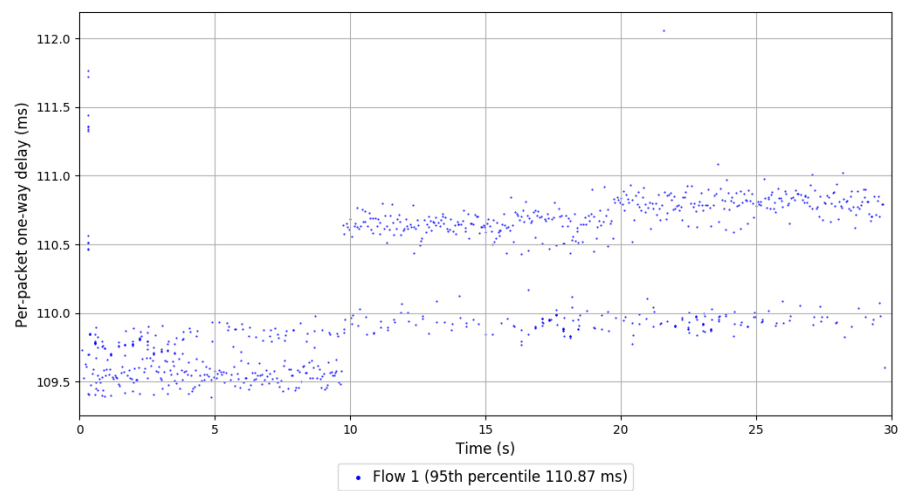
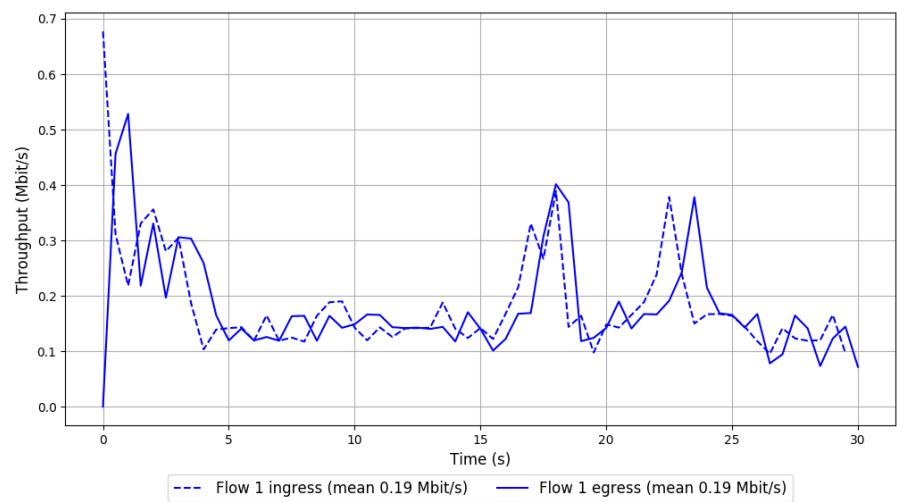
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 110.868 ms

Loss rate: 0.83%

Run 1: Report of Sprout — Data Link

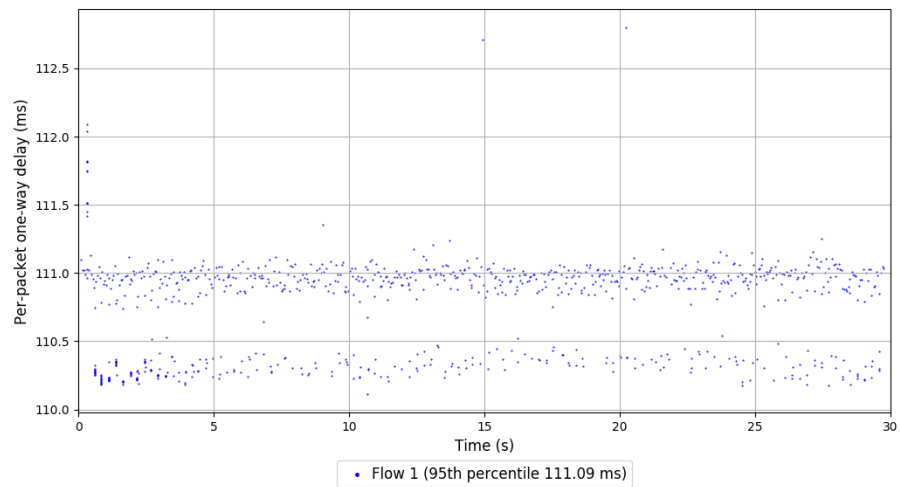
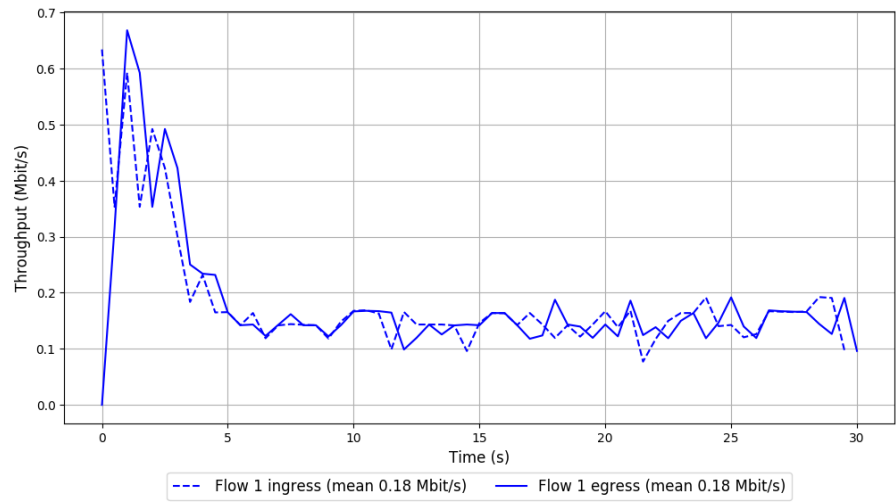


Run 2: Statistics of Sprout

Start at: 2018-08-01 12:45:22
End at: 2018-08-01 12:45:52
Local clock offset: -0.042 ms
Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.087 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.087 ms
Loss rate: 0.84%

Run 2: Report of Sprout — Data Link

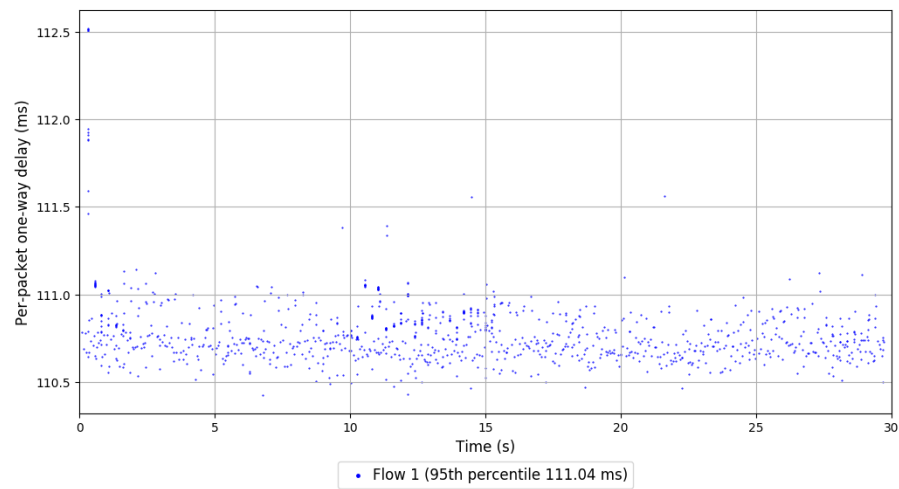
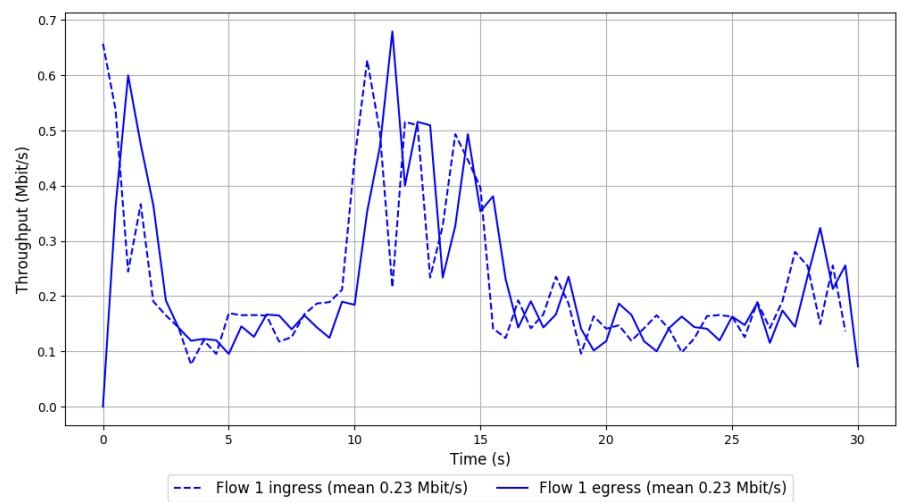


Run 3: Statistics of Sprout

Start at: 2018-08-01 13:08:09
End at: 2018-08-01 13:08:39
Local clock offset: -0.087 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.041 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.041 ms
Loss rate: 0.49%

Run 3: Report of Sprout — Data Link

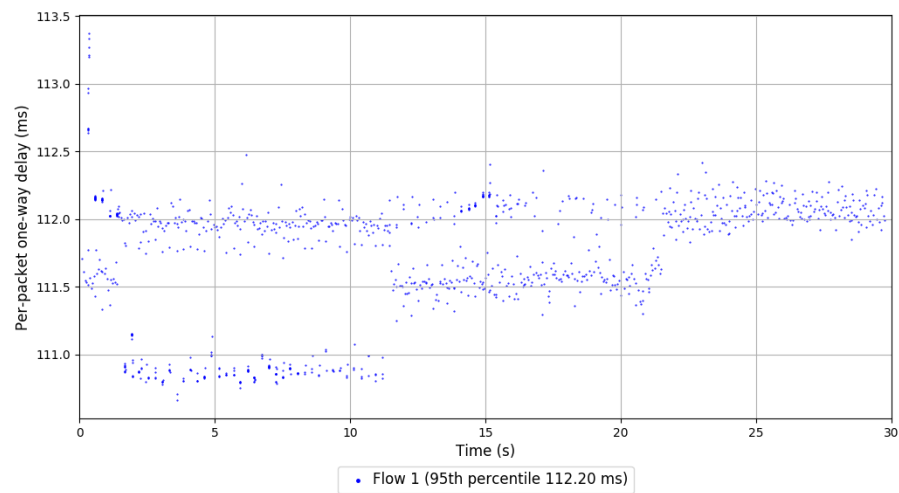
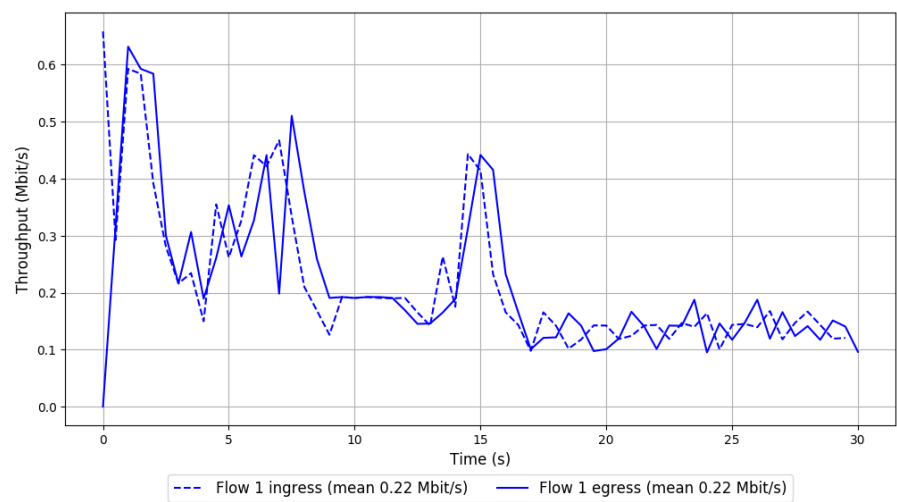


Run 4: Statistics of Sprout

Start at: 2018-08-01 13:30:55
End at: 2018-08-01 13:31:25
Local clock offset: 0.12 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.196 ms
Loss rate: 0.53%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-01 13:53:28

End at: 2018-08-01 13:53:58

Local clock offset: -0.203 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.245 ms

Loss rate: 0.38%

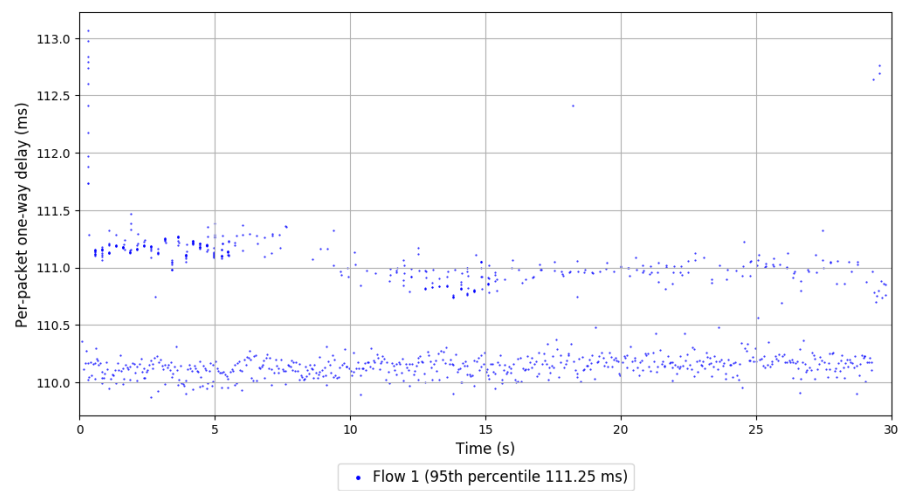
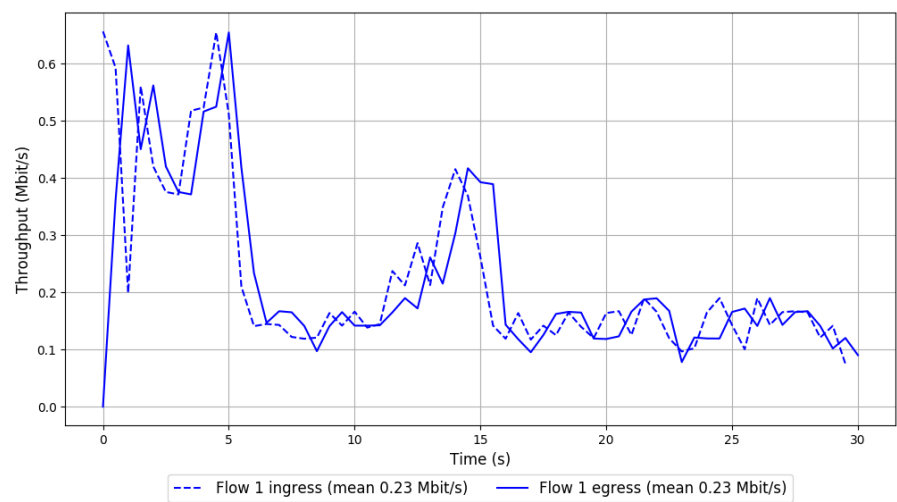
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 111.245 ms

Loss rate: 0.38%

Run 5: Report of Sprout — Data Link

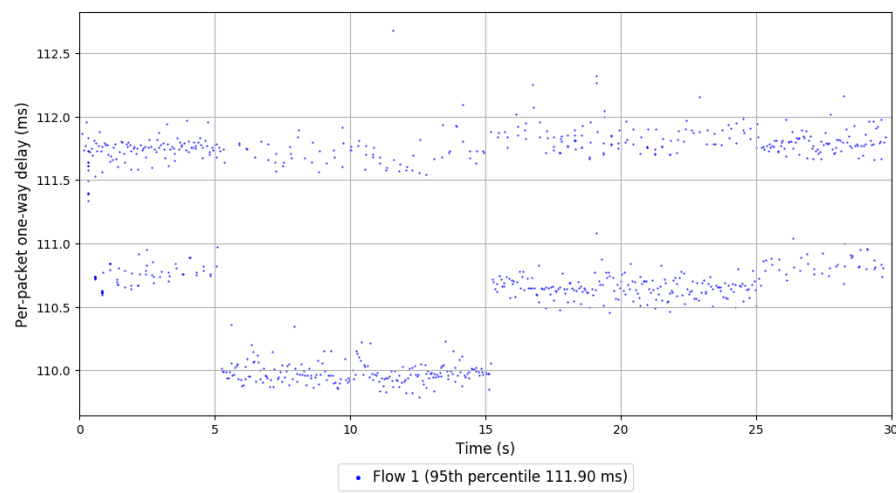
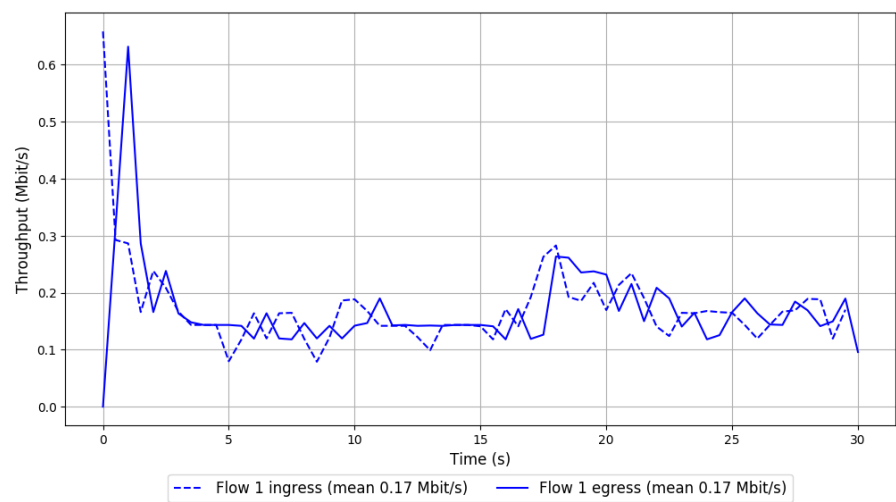


Run 6: Statistics of Sprout

Start at: 2018-08-01 14:15:42
End at: 2018-08-01 14:16:12
Local clock offset: -0.338 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.899 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.899 ms
Loss rate: 0.90%

Run 6: Report of Sprout — Data Link

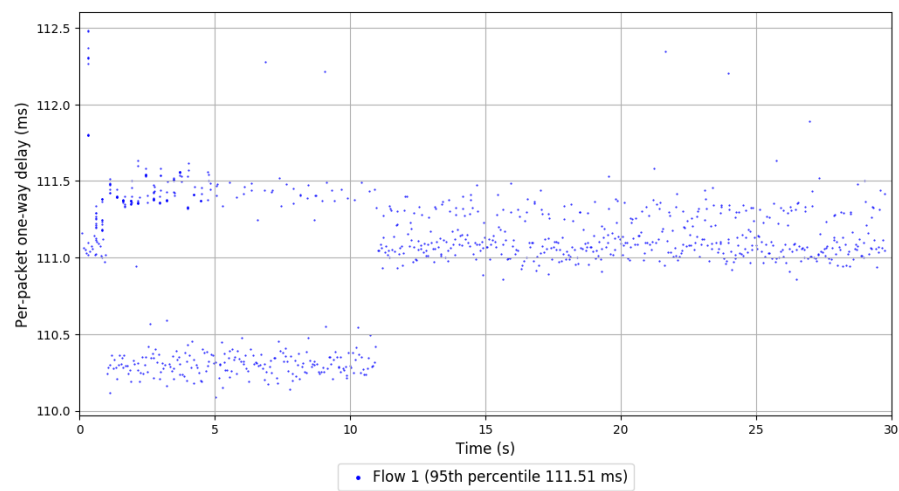
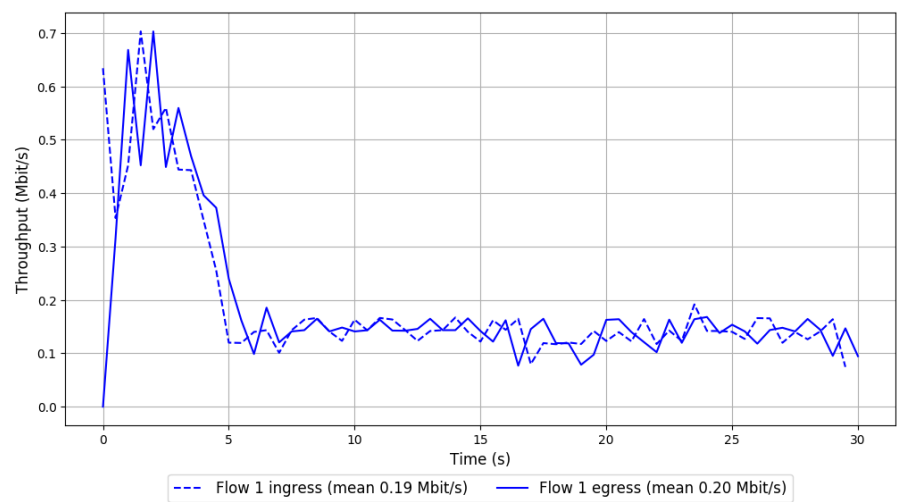


Run 7: Statistics of Sprout

Start at: 2018-08-01 14:38:16
End at: 2018-08-01 14:38:46
Local clock offset: -0.398 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.514 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.514 ms
Loss rate: 0.39%

Run 7: Report of Sprout — Data Link

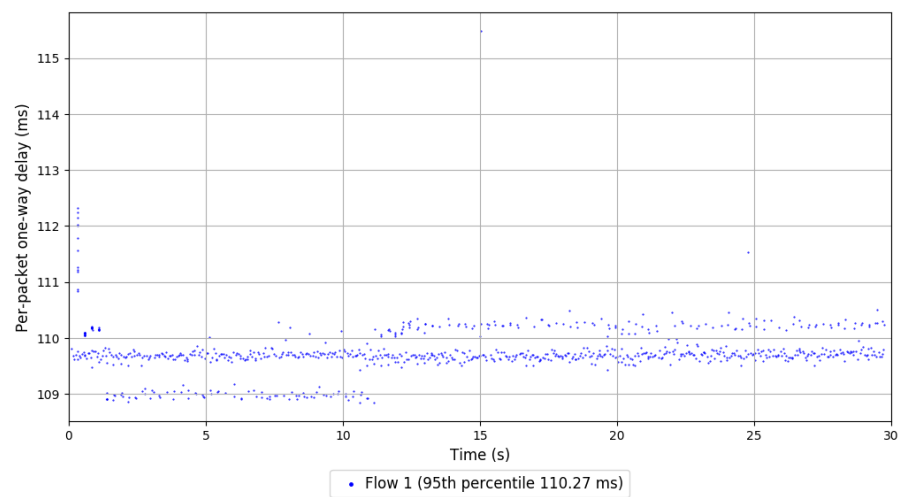
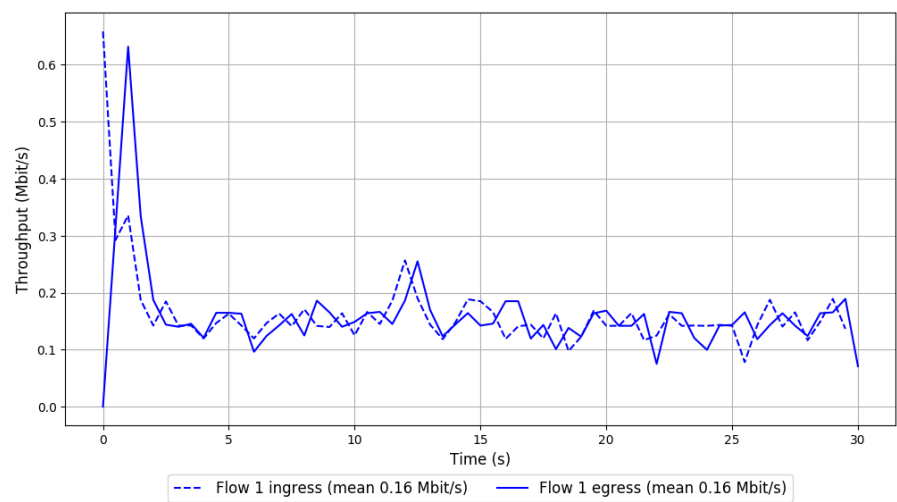


Run 8: Statistics of Sprout

Start at: 2018-08-01 15:01:06
End at: 2018-08-01 15:01:36
Local clock offset: -1.796 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 110.271 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 110.271 ms
Loss rate: 0.70%

Run 8: Report of Sprout — Data Link

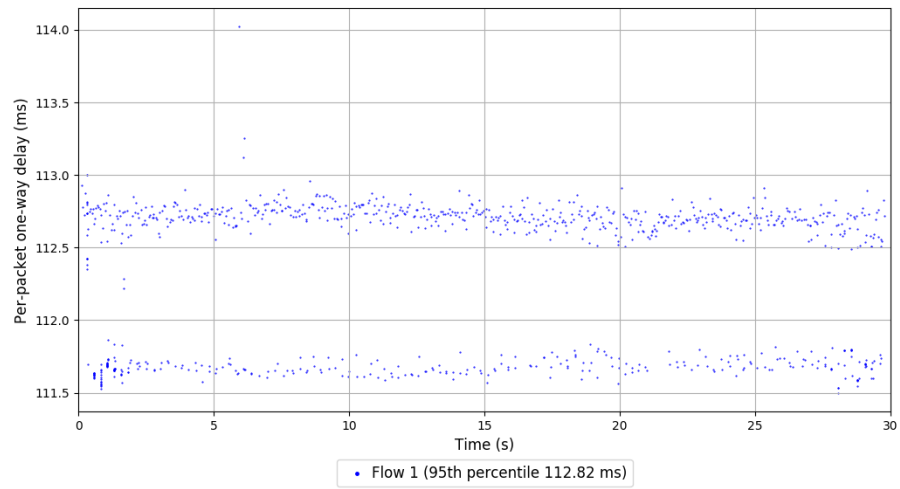
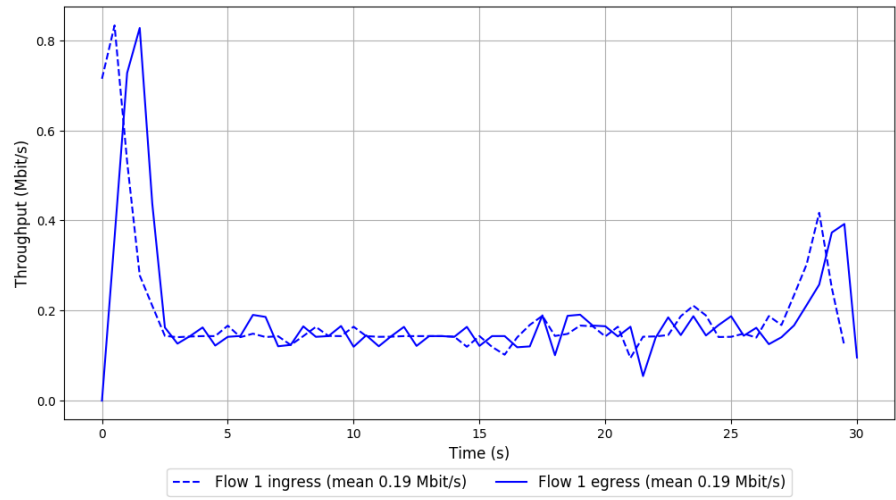


Run 9: Statistics of Sprout

Start at: 2018-08-01 15:23:42
End at: 2018-08-01 15:24:12
Local clock offset: 0.909 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-01 17:32:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.816 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.816 ms
Loss rate: 0.76%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 15:46:22

End at: 2018-08-01 15:46:52

Local clock offset: -1.562 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-08-01 17:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 109.408 ms

Loss rate: 0.58%

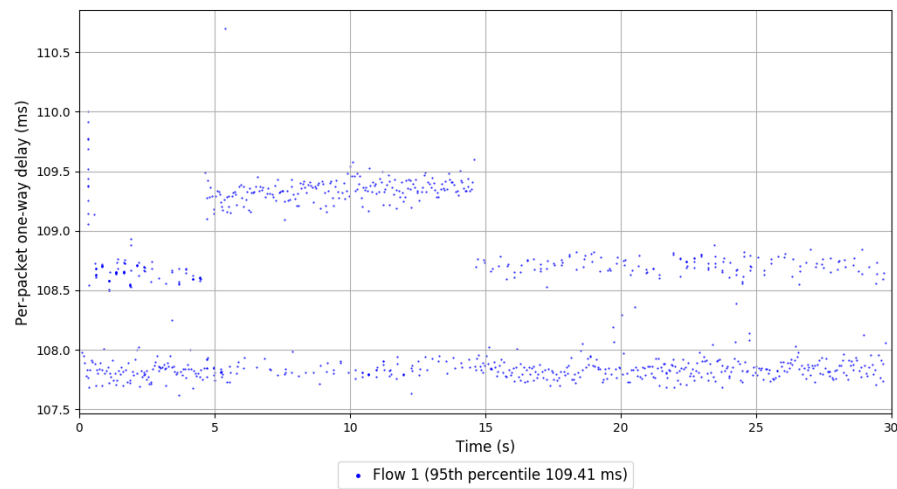
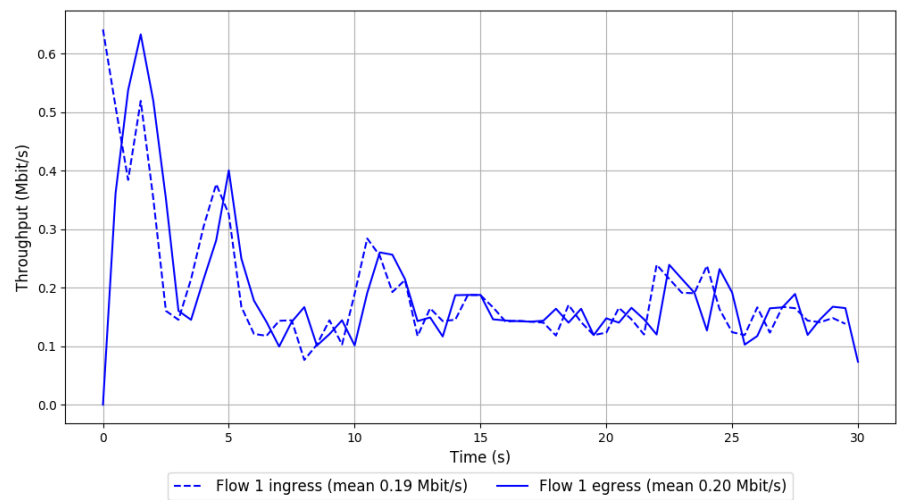
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 109.408 ms

Loss rate: 0.58%

Run 10: Report of Sprout — Data Link

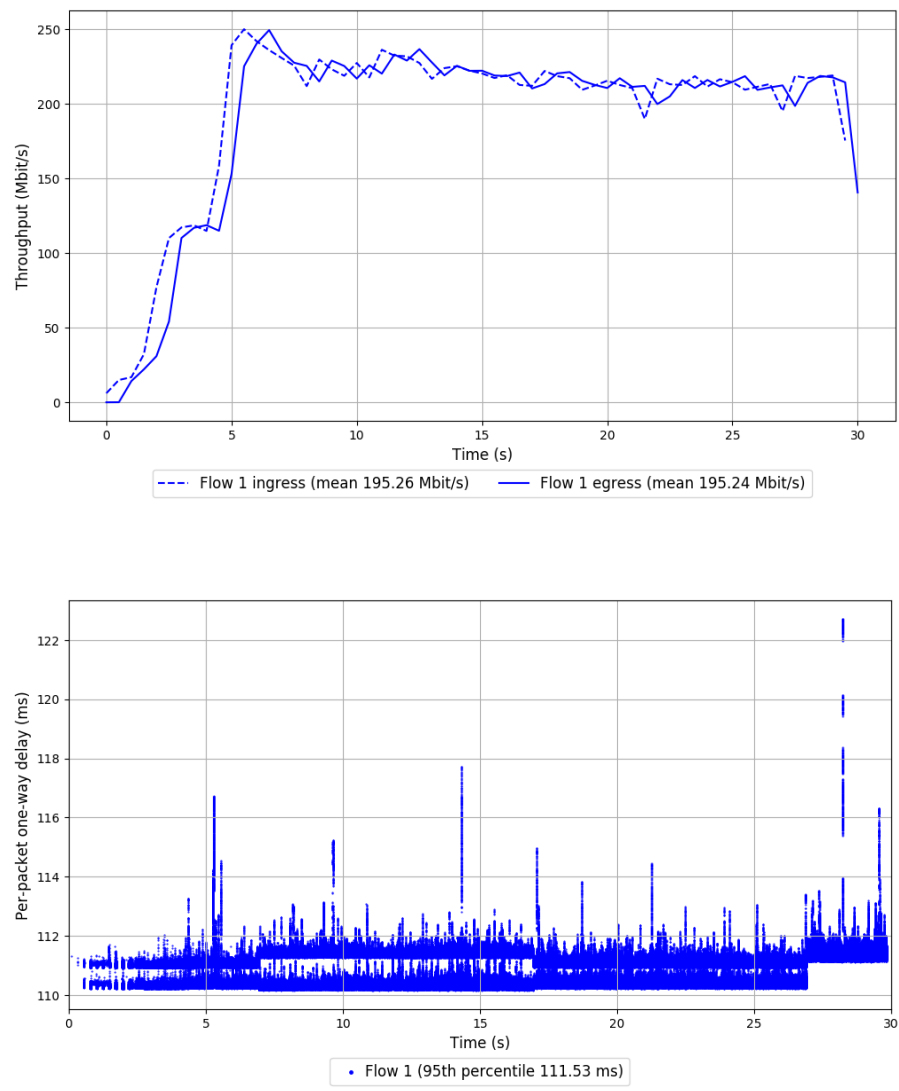


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 12:33:20
End at: 2018-08-01 12:33:50
Local clock offset: -0.02 ms
Remote clock offset: -0.207 ms

# Below is generated by plot.py at 2018-08-01 17:33:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.24 Mbit/s
95th percentile per-packet one-way delay: 111.534 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 195.24 Mbit/s
95th percentile per-packet one-way delay: 111.534 ms
Loss rate: 0.75%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 12:56:06

End at: 2018-08-01 12:56:36

Local clock offset: -0.112 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-01 17:34:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.55 Mbit/s

95th percentile per-packet one-way delay: 111.485 ms

Loss rate: 0.58%

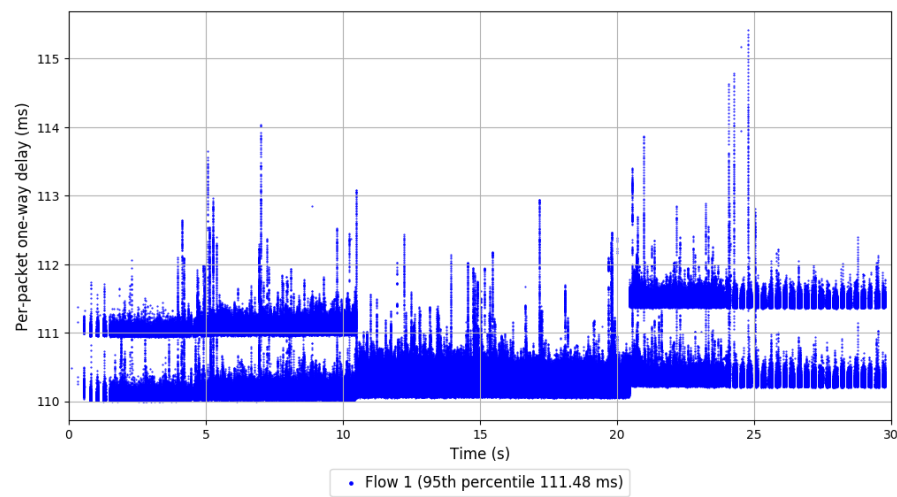
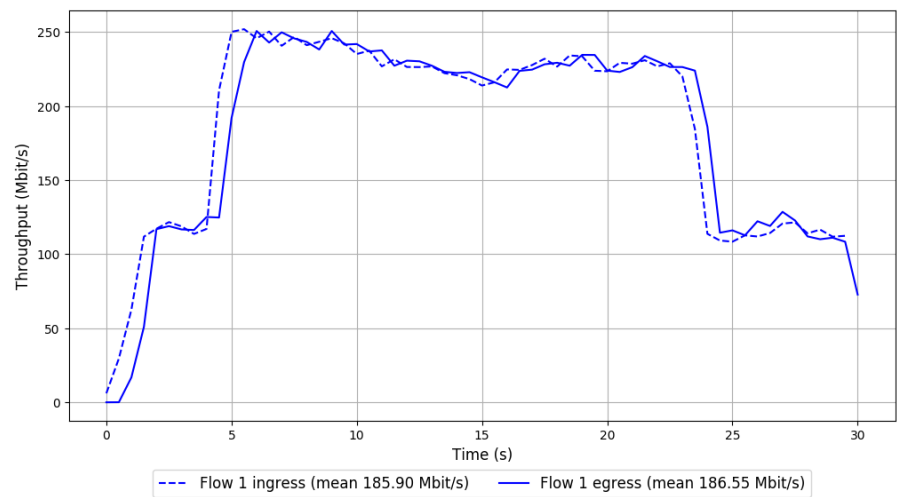
-- Flow 1:

Average throughput: 186.55 Mbit/s

95th percentile per-packet one-way delay: 111.485 ms

Loss rate: 0.58%

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

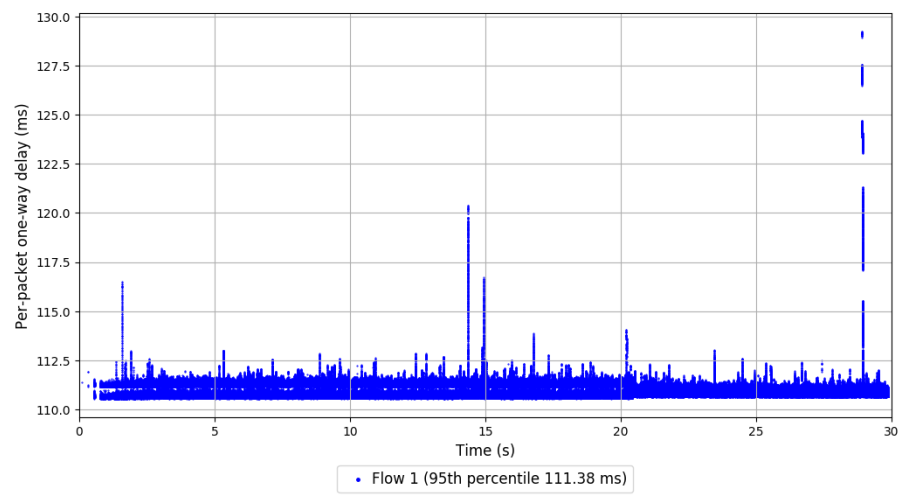
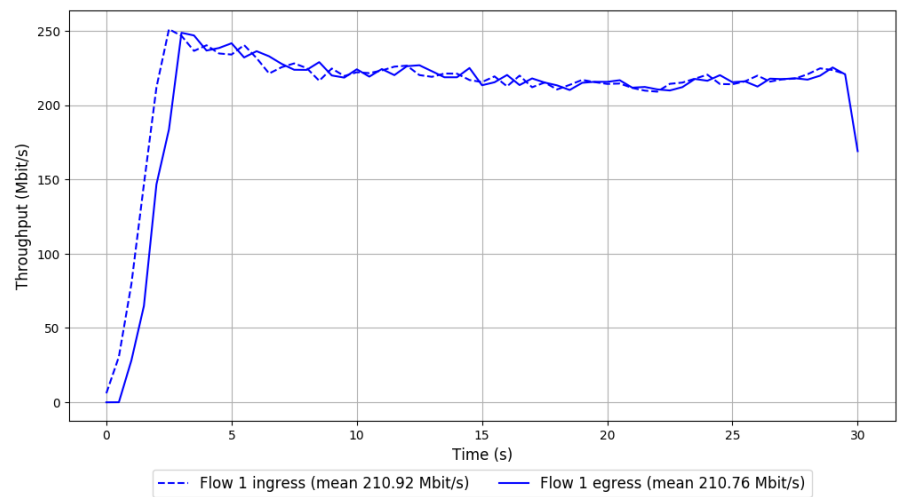


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 13:18:47
End at: 2018-08-01 13:19:17
Local clock offset: -0.426 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-01 17:35:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.76 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 210.76 Mbit/s
95th percentile per-packet one-way delay: 111.380 ms
Loss rate: 0.82%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 13:41:46

End at: 2018-08-01 13:42:16

Local clock offset: -0.249 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-01 17:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 112.332 ms

Loss rate: 0.36%

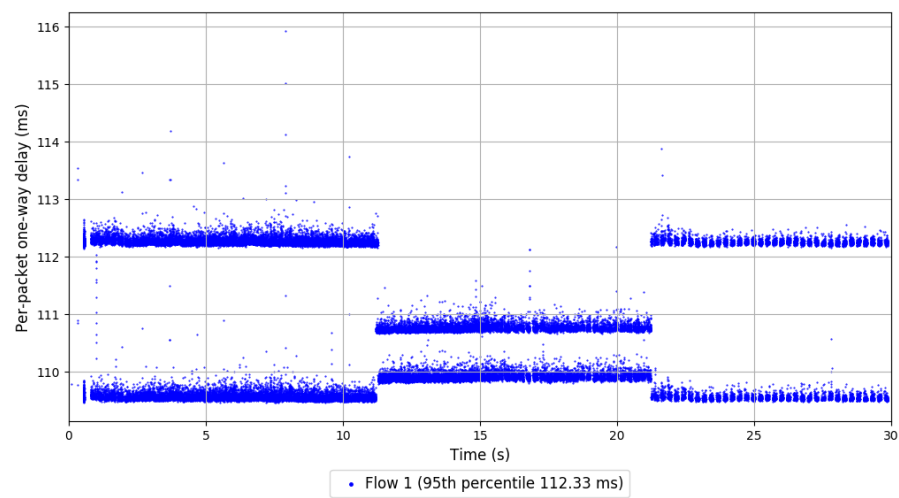
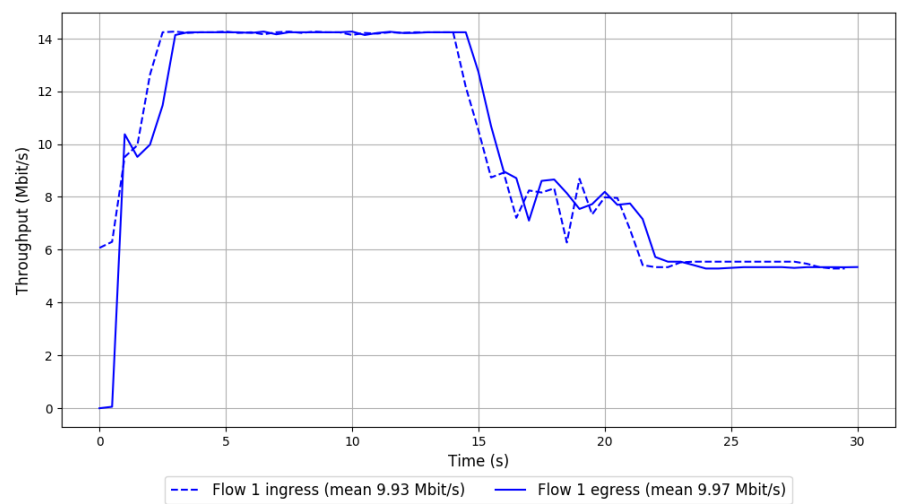
-- Flow 1:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 112.332 ms

Loss rate: 0.36%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 14:03:54

End at: 2018-08-01 14:04:24

Local clock offset: -0.132 ms

Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-01 17:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.22 Mbit/s

95th percentile per-packet one-way delay: 111.599 ms

Loss rate: 0.75%

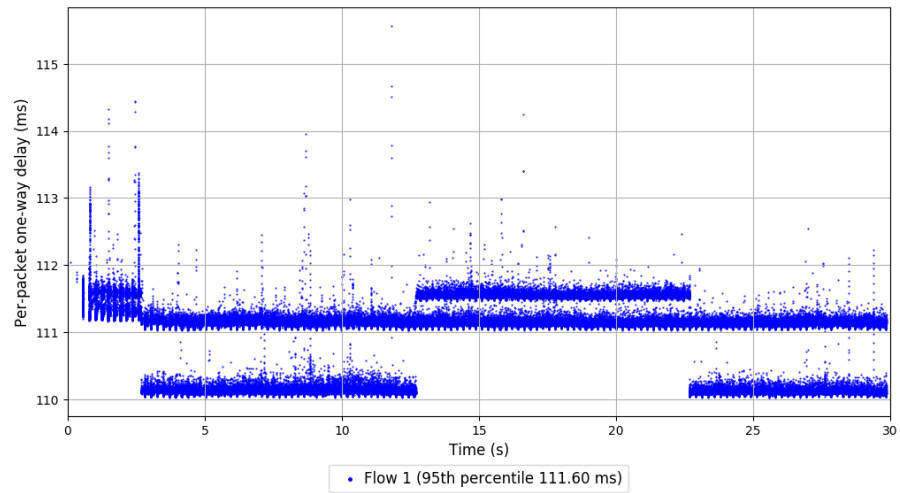
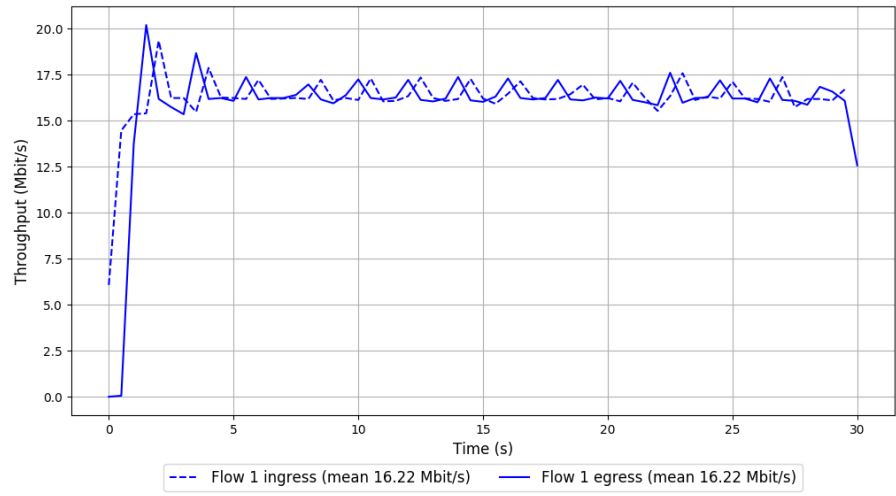
-- Flow 1:

Average throughput: 16.22 Mbit/s

95th percentile per-packet one-way delay: 111.599 ms

Loss rate: 0.75%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 14:26:13

End at: 2018-08-01 14:26:43

Local clock offset: -0.58 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-08-01 17:35:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.76 Mbit/s

95th percentile per-packet one-way delay: 110.821 ms

Loss rate: 0.56%

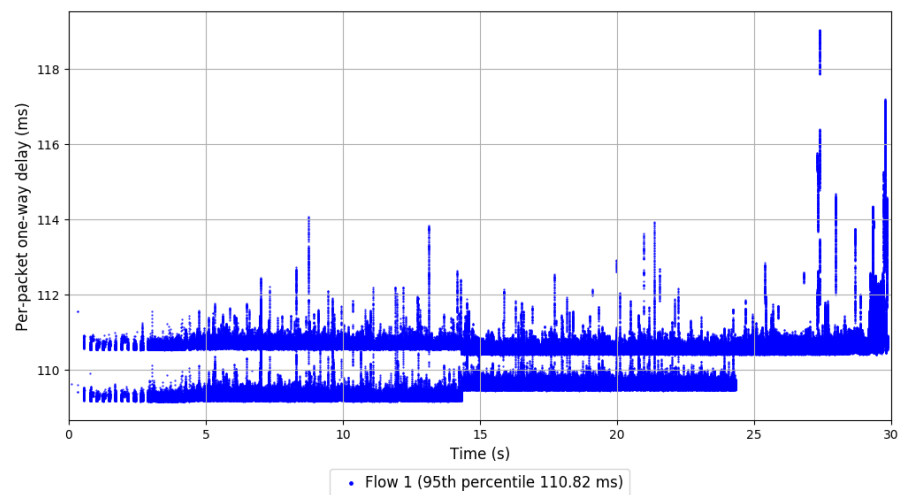
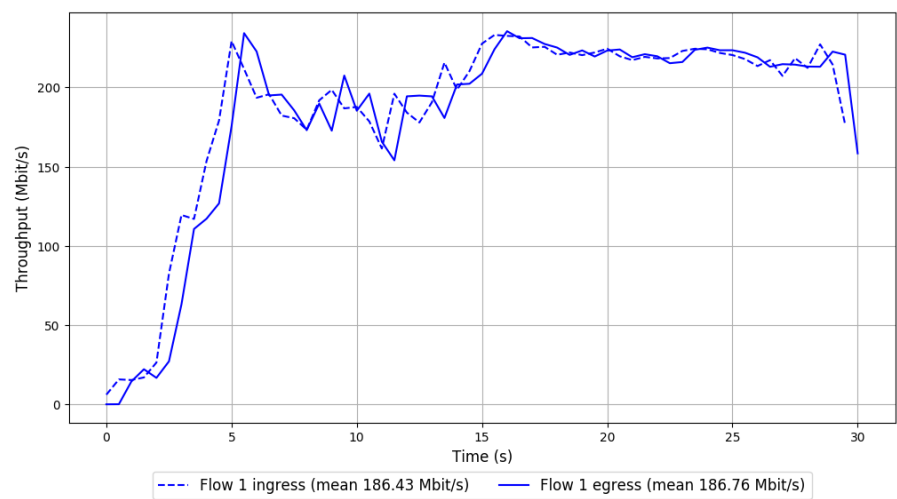
-- Flow 1:

Average throughput: 186.76 Mbit/s

95th percentile per-packet one-way delay: 110.821 ms

Loss rate: 0.56%

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

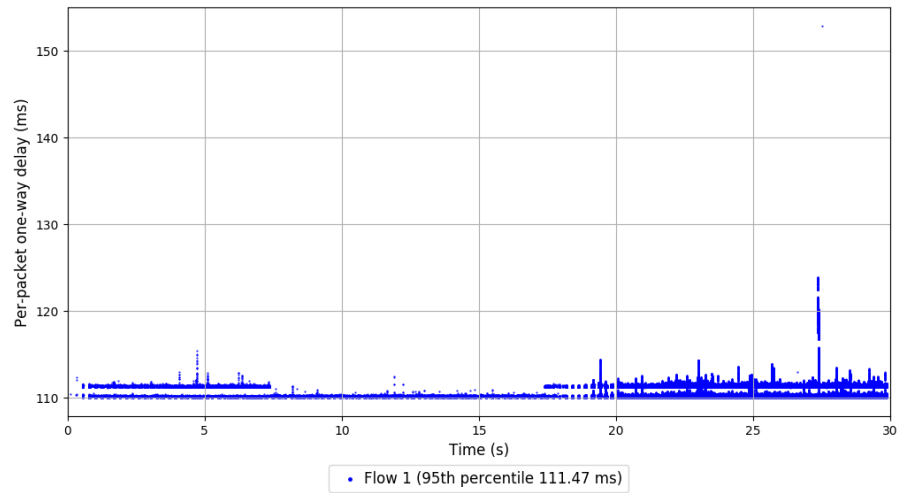
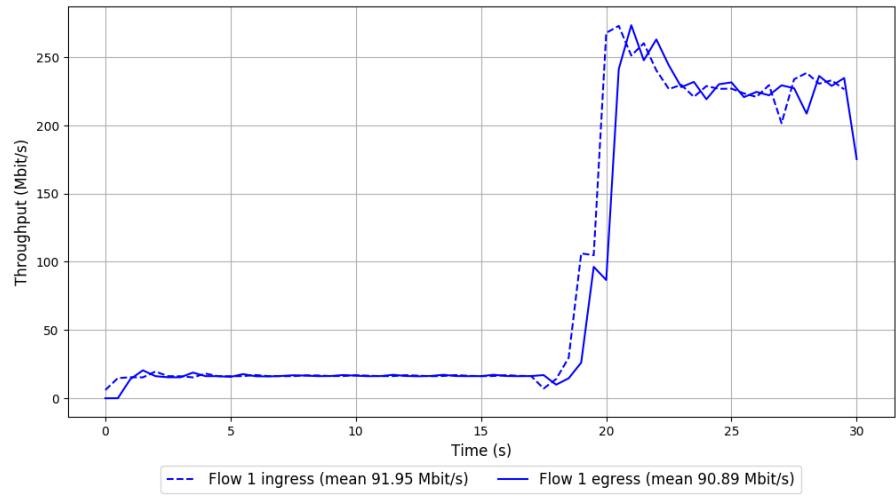


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 14:49:10
End at: 2018-08-01 14:49:40
Local clock offset: -0.377 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-01 17:35:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 111.473 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 111.473 ms
Loss rate: 1.88%

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

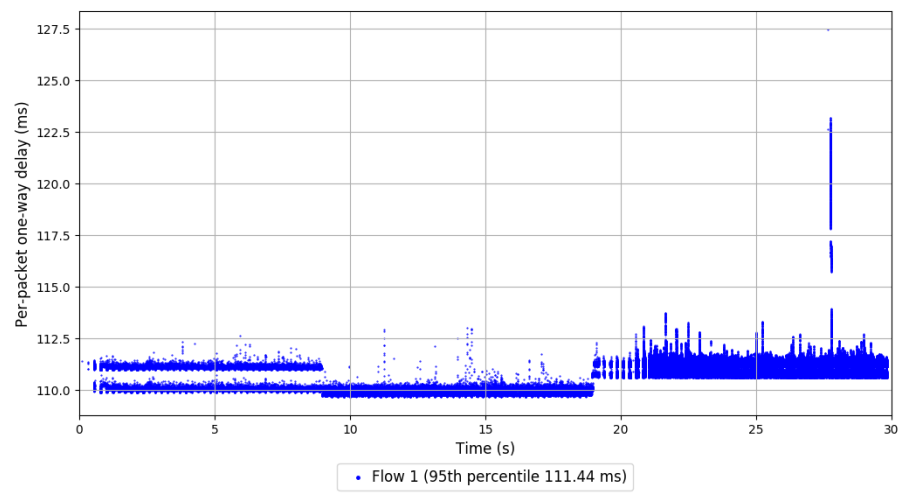
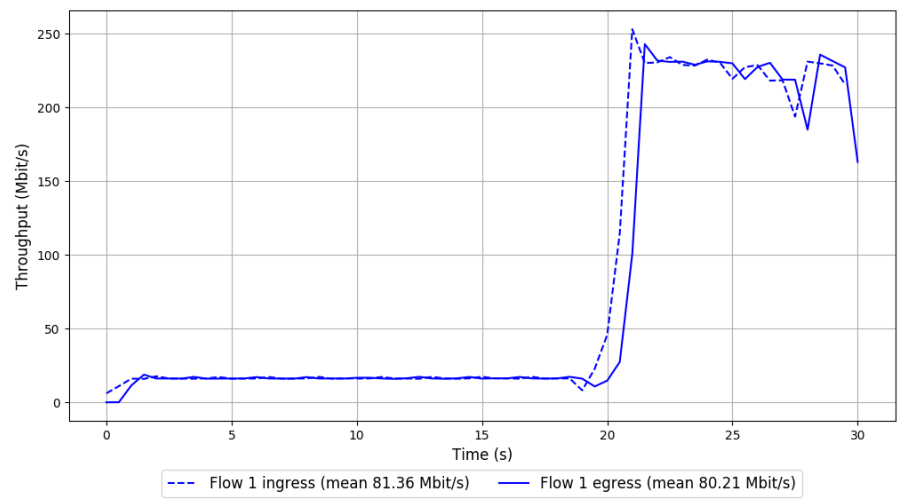


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 15:11:48
End at: 2018-08-01 15:12:18
Local clock offset: -0.521 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-01 17:35:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 111.439 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 111.439 ms
Loss rate: 2.15%

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

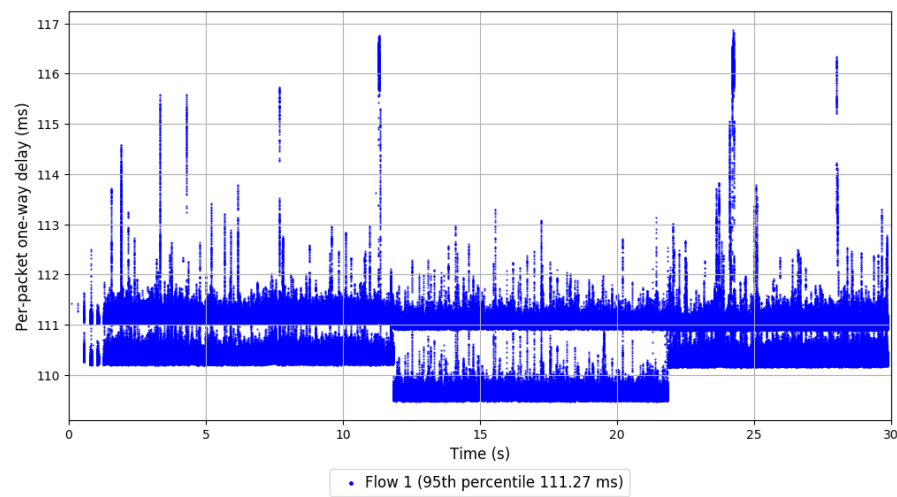
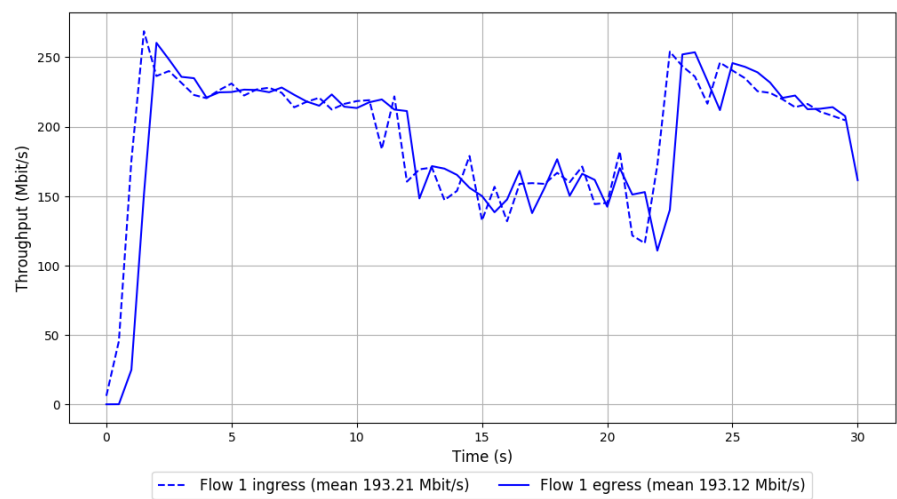


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 15:34:15
End at: 2018-08-01 15:34:45
Local clock offset: -0.091 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-01 17:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.12 Mbit/s
95th percentile per-packet one-way delay: 111.268 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 193.12 Mbit/s
95th percentile per-packet one-way delay: 111.268 ms
Loss rate: 0.78%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 15:56:45

End at: 2018-08-01 15:57:15

Local clock offset: -0.13 ms

Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 17:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.70 Mbit/s

95th percentile per-packet one-way delay: 112.185 ms

Loss rate: 0.53%

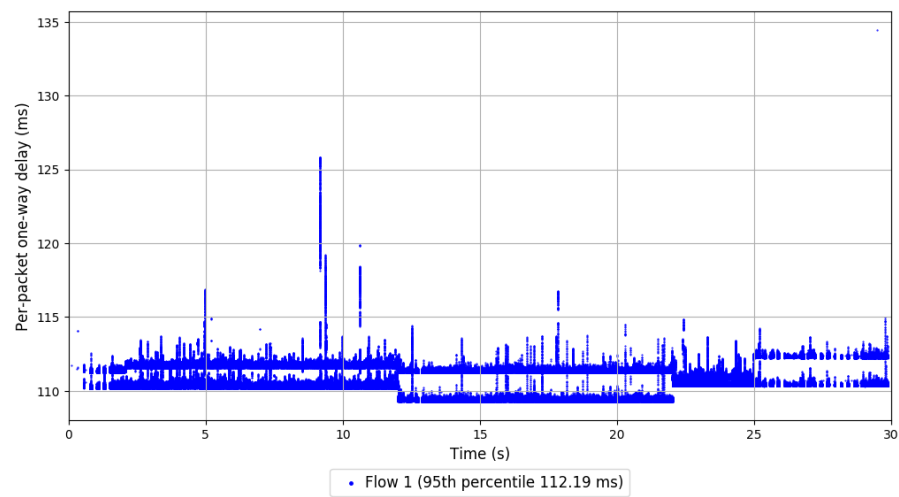
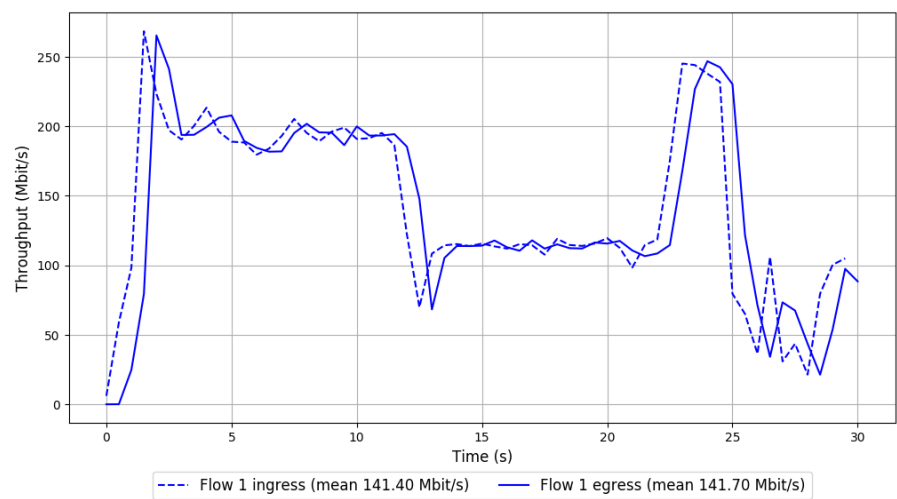
-- Flow 1:

Average throughput: 141.70 Mbit/s

95th percentile per-packet one-way delay: 112.185 ms

Loss rate: 0.53%

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

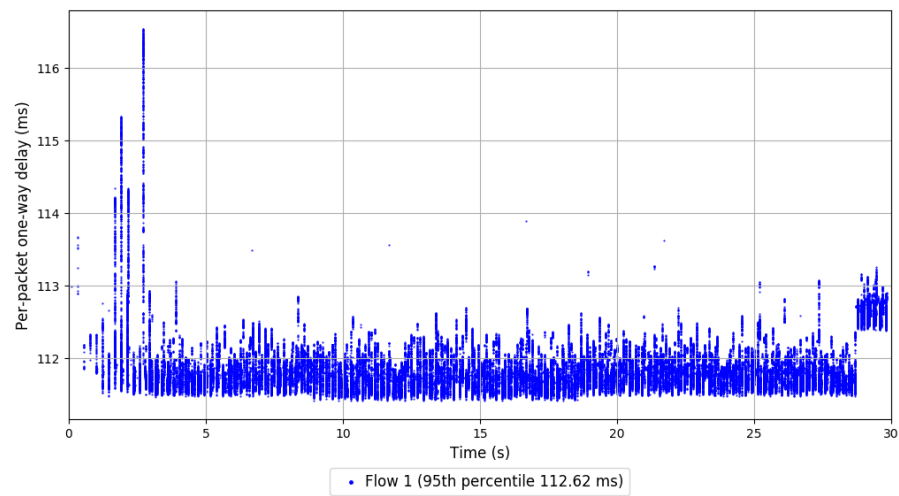
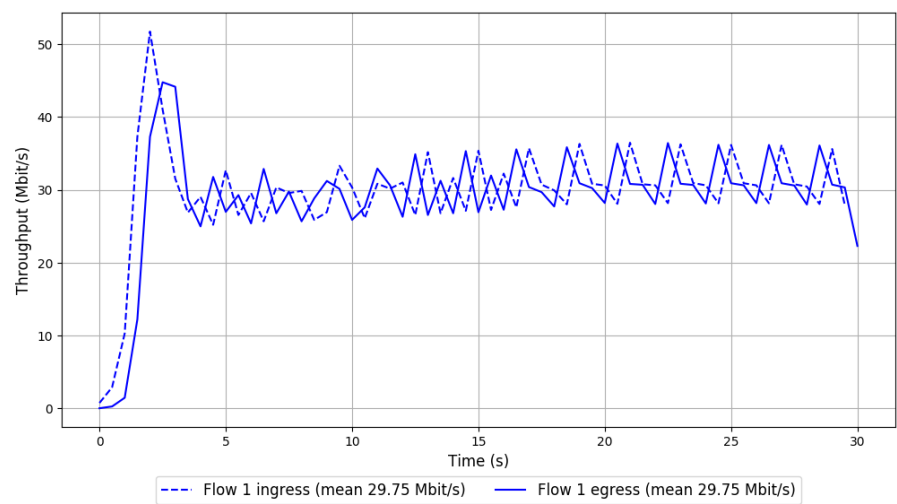


Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 12:18:58
End at: 2018-08-01 12:19:28
Local clock offset: 1.179 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-08-01 17:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 112.619 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 112.619 ms
Loss rate: 0.77%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 12:41:33

End at: 2018-08-01 12:42:03

Local clock offset: 0.098 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-08-01 17:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 111.804 ms

Loss rate: 0.76%

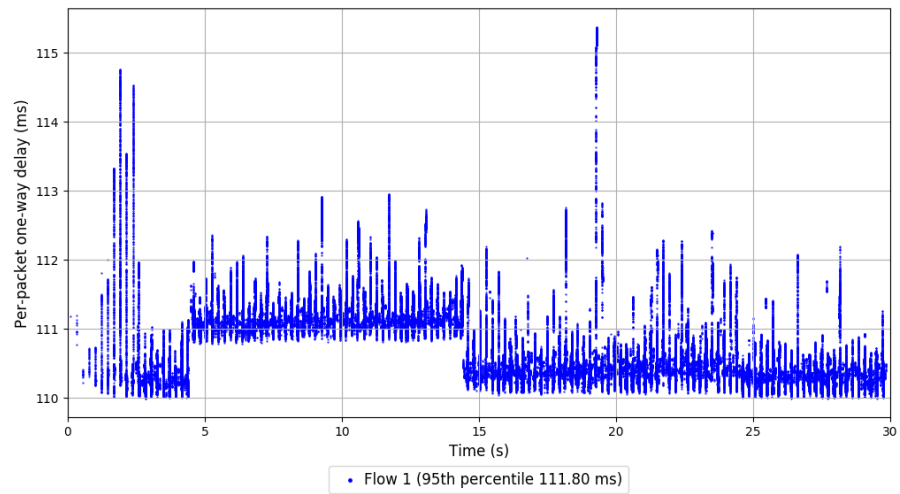
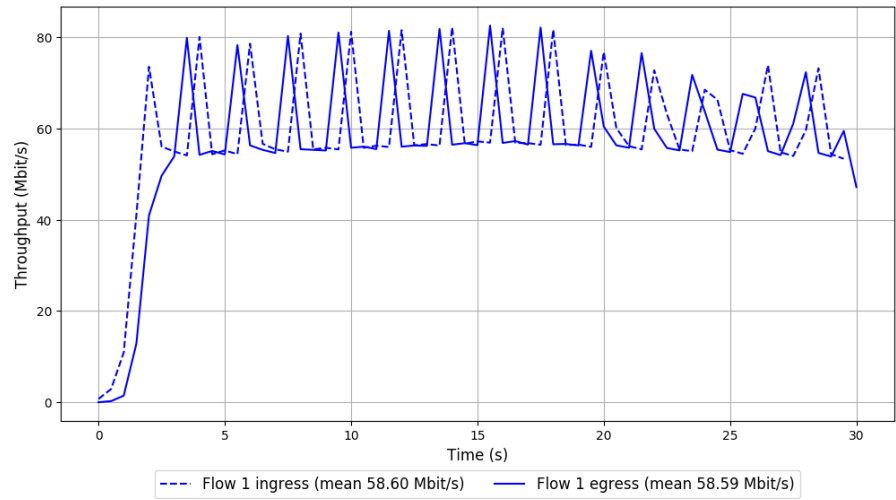
-- Flow 1:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 111.804 ms

Loss rate: 0.76%

Run 2: Report of TCP Vegas — Data Link

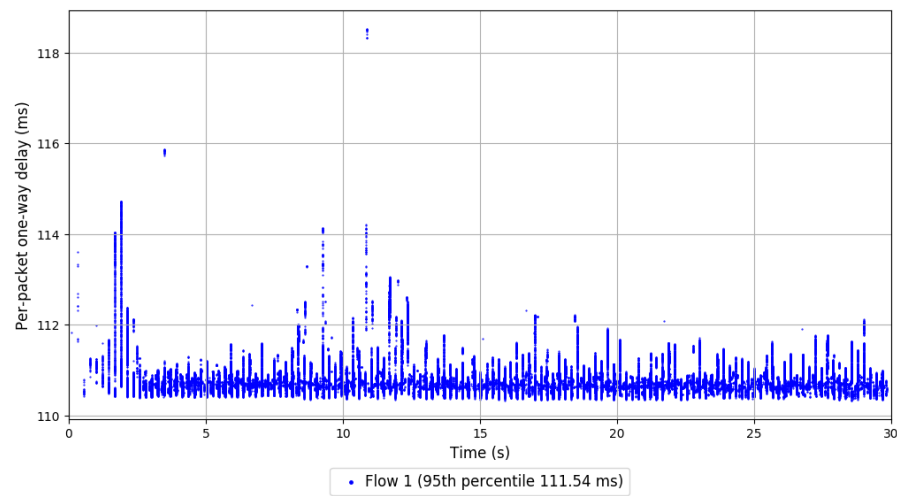
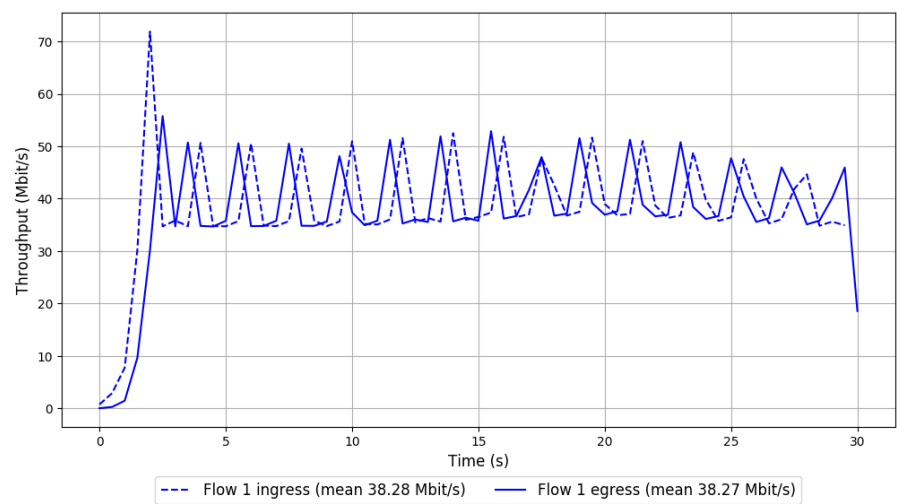


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 13:04:19
End at: 2018-08-01 13:04:49
Local clock offset: -0.031 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-08-01 17:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 111.539 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 111.539 ms
Loss rate: 0.75%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 13:27:04

End at: 2018-08-01 13:27:34

Local clock offset: 0.985 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-01 17:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.48 Mbit/s

95th percentile per-packet one-way delay: 113.143 ms

Loss rate: 0.75%

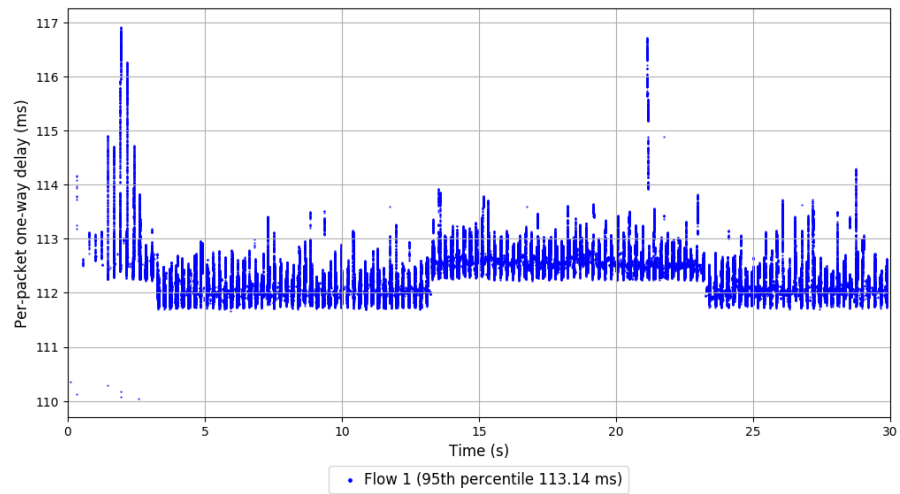
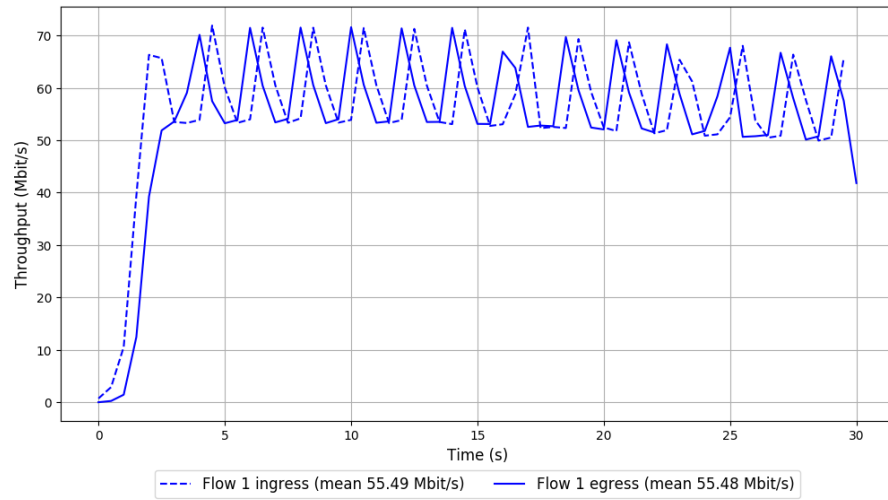
-- Flow 1:

Average throughput: 55.48 Mbit/s

95th percentile per-packet one-way delay: 113.143 ms

Loss rate: 0.75%

Run 4: Report of TCP Vegas — Data Link

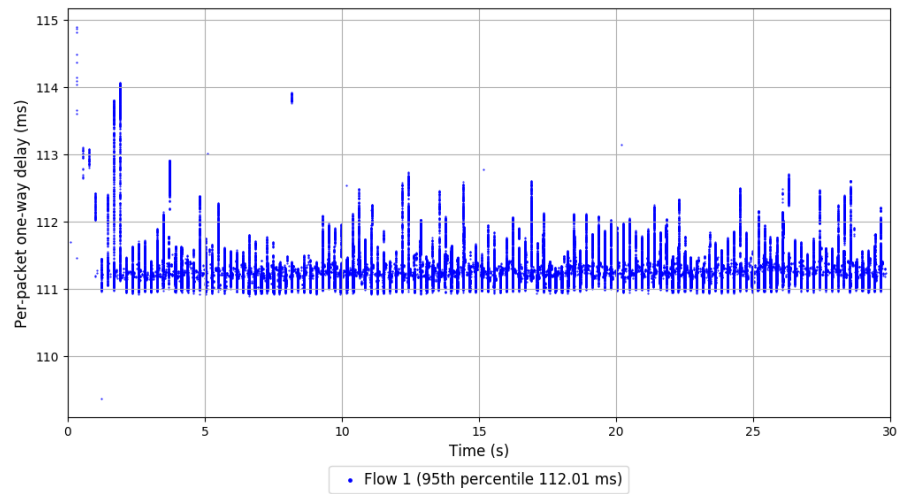
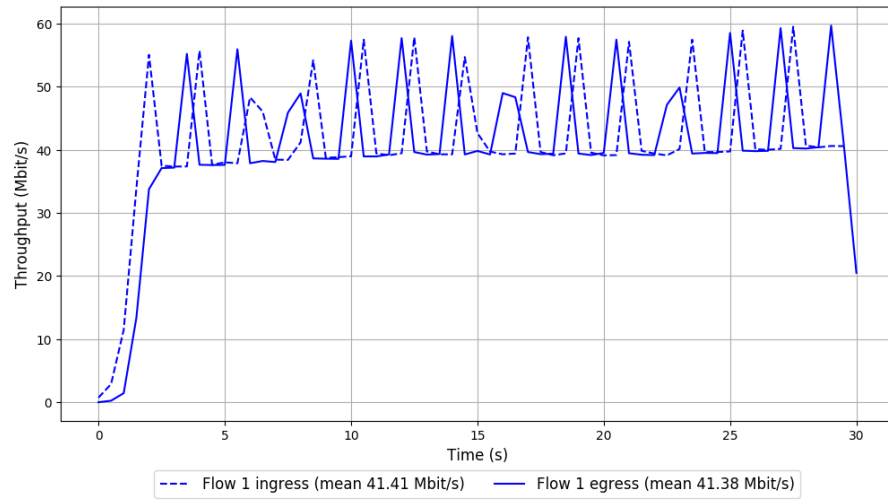


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 13:49:36
End at: 2018-08-01 13:50:06
Local clock offset: -0.191 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-01 17:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 0.82%

Run 5: Report of TCP Vegas — Data Link

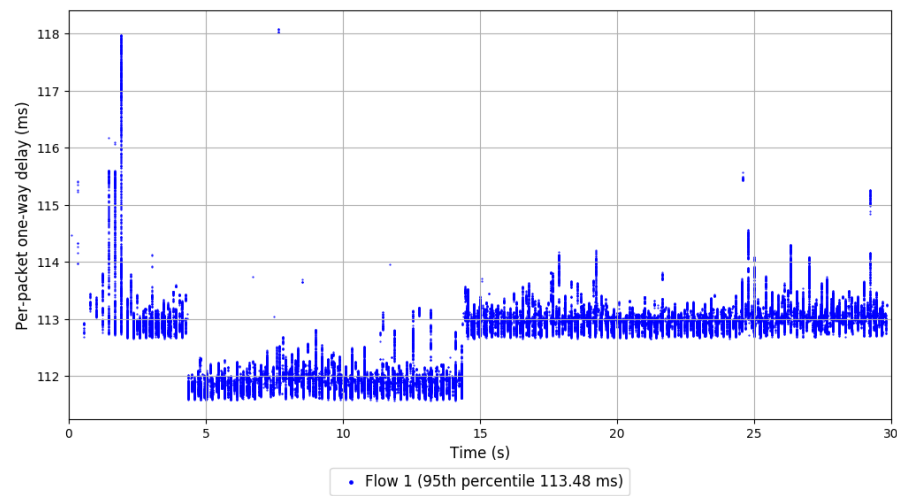
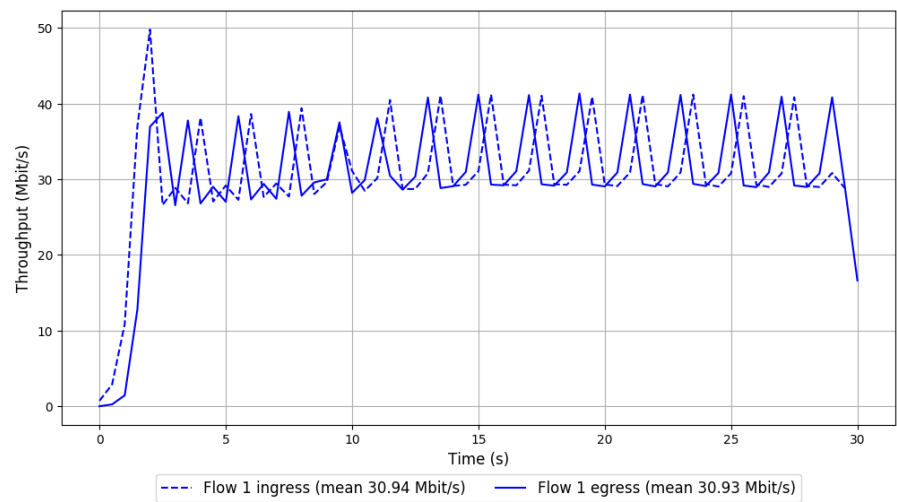


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 14:11:53
End at: 2018-08-01 14:12:23
Local clock offset: 0.868 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-08-01 17:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 113.482 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 113.482 ms
Loss rate: 0.77%

Run 6: Report of TCP Vegas — Data Link

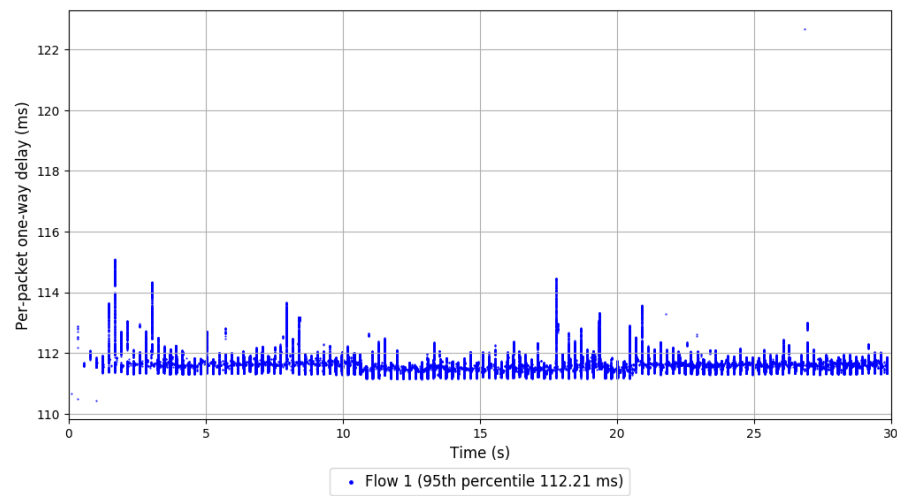
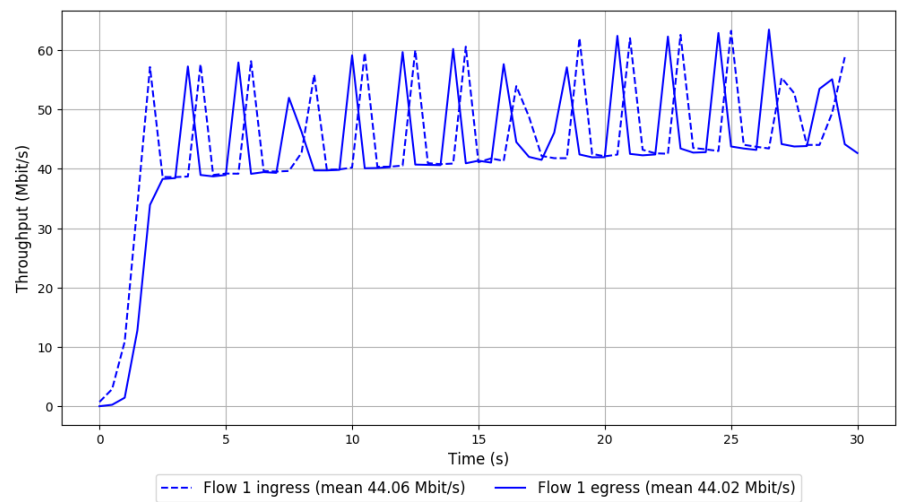


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 14:34:26
End at: 2018-08-01 14:34:56
Local clock offset: -0.114 ms
Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-01 17:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 112.212 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 112.212 ms
Loss rate: 0.83%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 14:57:15

End at: 2018-08-01 14:57:45

Local clock offset: -0.465 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-08-01 17:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 111.194 ms

Loss rate: 0.76%

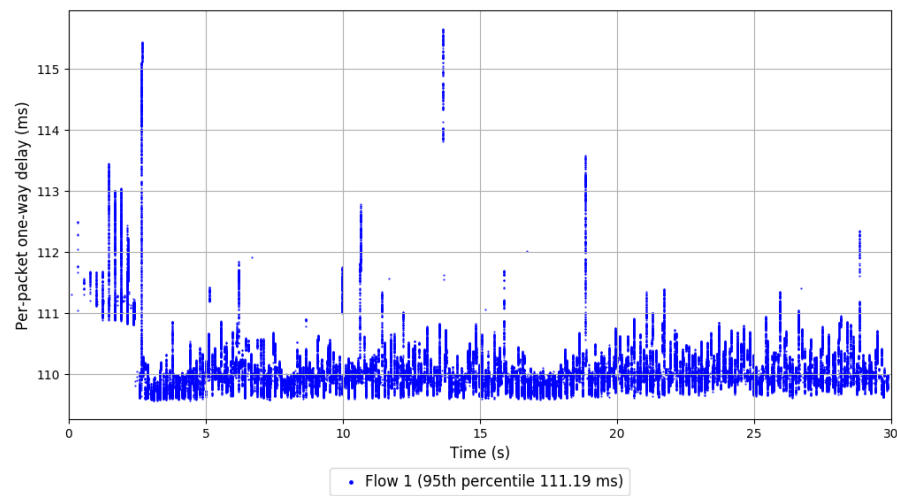
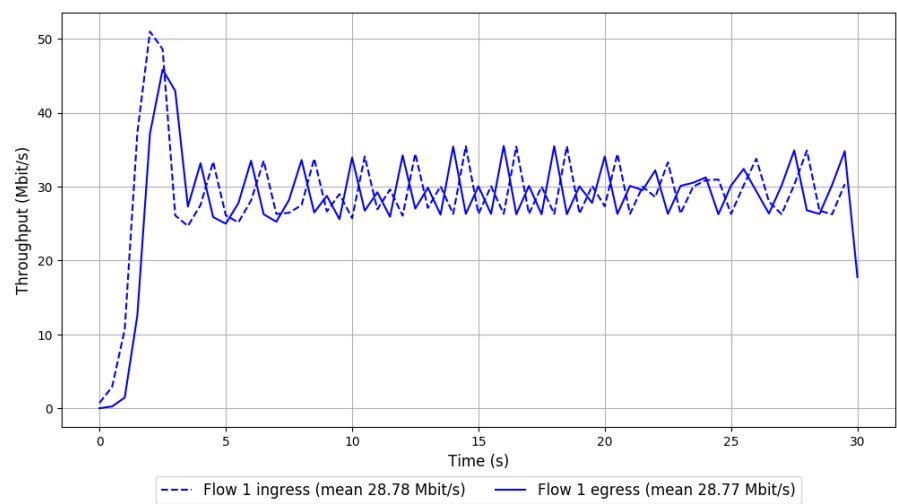
-- Flow 1:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 111.194 ms

Loss rate: 0.76%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 15:19:50

End at: 2018-08-01 15:20:20

Local clock offset: -0.216 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-01 17:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 111.068 ms

Loss rate: 0.77%

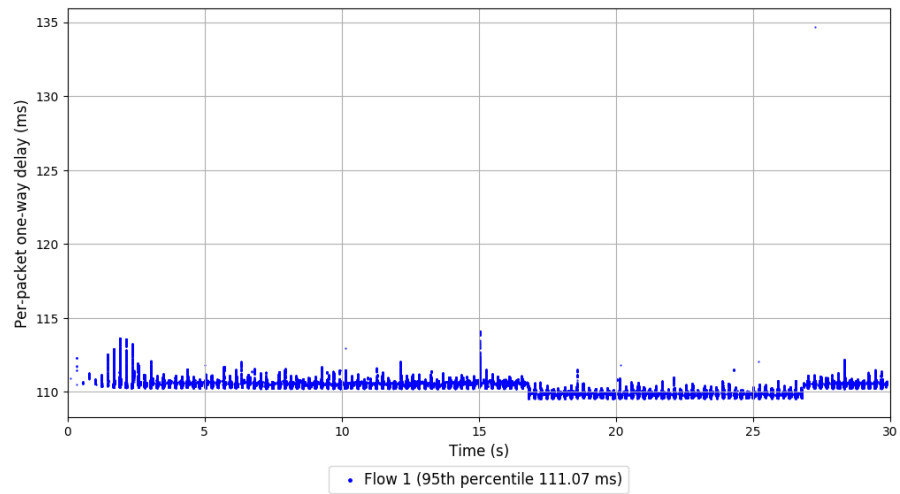
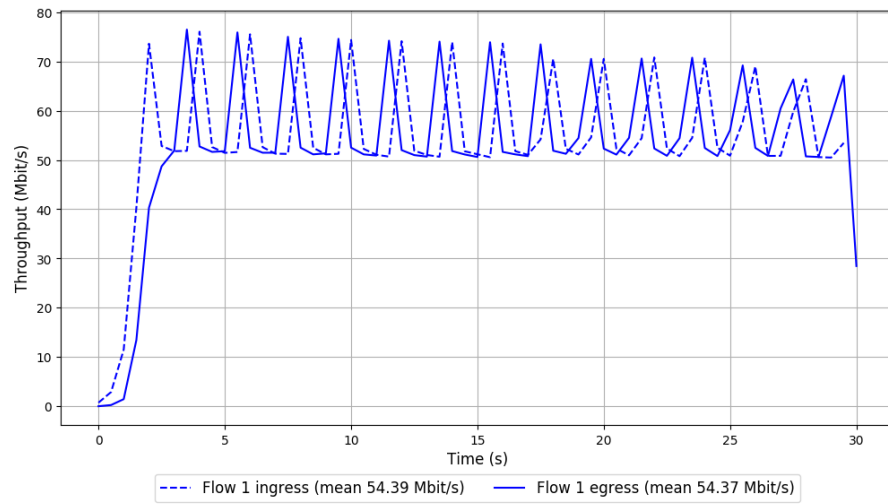
-- Flow 1:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 111.068 ms

Loss rate: 0.77%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 15:42:32

End at: 2018-08-01 15:43:02

Local clock offset: -0.329 ms

Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-01 17:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 111.580 ms

Loss rate: 0.82%

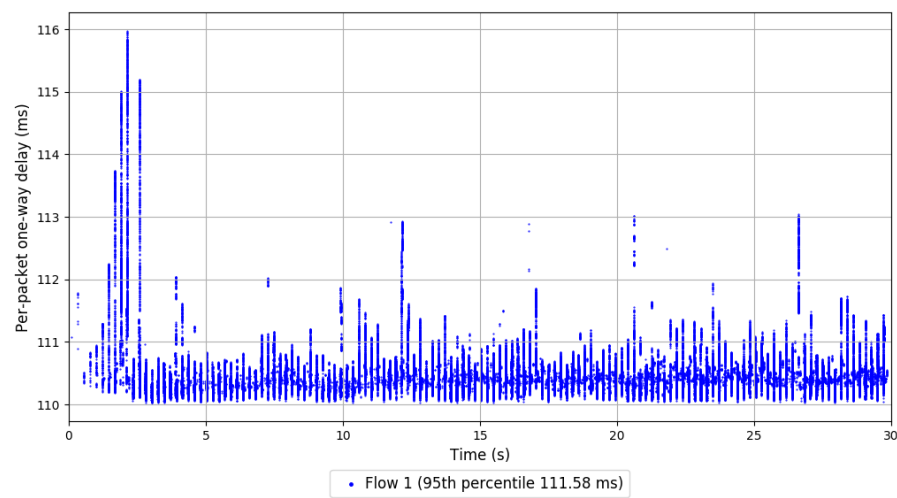
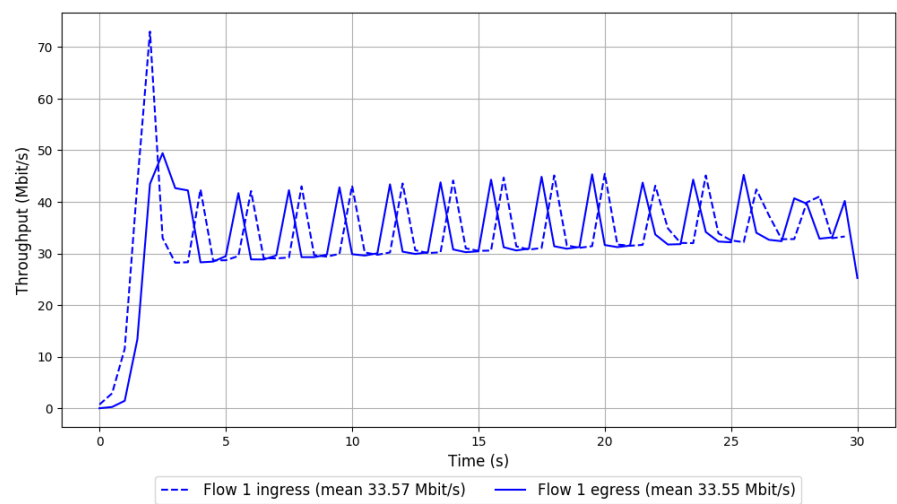
-- Flow 1:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 111.580 ms

Loss rate: 0.82%

Run 10: Report of TCP Vegas — Data Link

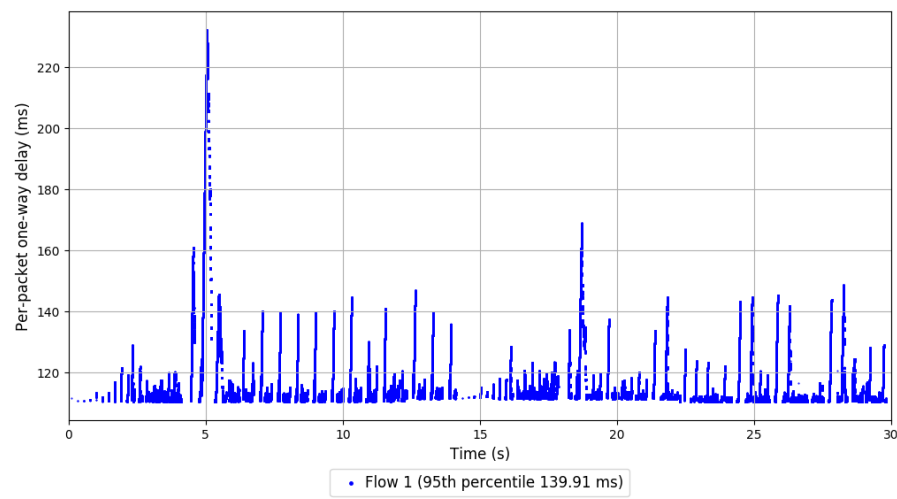
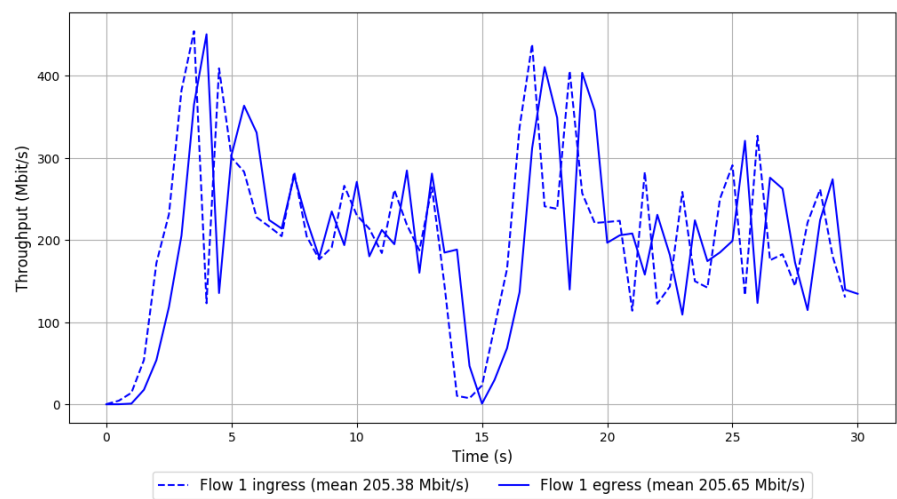


Run 1: Statistics of Verus

Start at: 2018-08-01 12:26:45
End at: 2018-08-01 12:27:15
Local clock offset: -0.271 ms
Remote clock offset: -0.565 ms

Below is generated by plot.py at 2018-08-01 17:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.65 Mbit/s
95th percentile per-packet one-way delay: 139.915 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 205.65 Mbit/s
95th percentile per-packet one-way delay: 139.915 ms
Loss rate: 0.62%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-01 12:49:19

End at: 2018-08-01 12:49:49

Local clock offset: -0.306 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-08-01 17:38:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.51 Mbit/s

95th percentile per-packet one-way delay: 125.527 ms

Loss rate: 0.20%

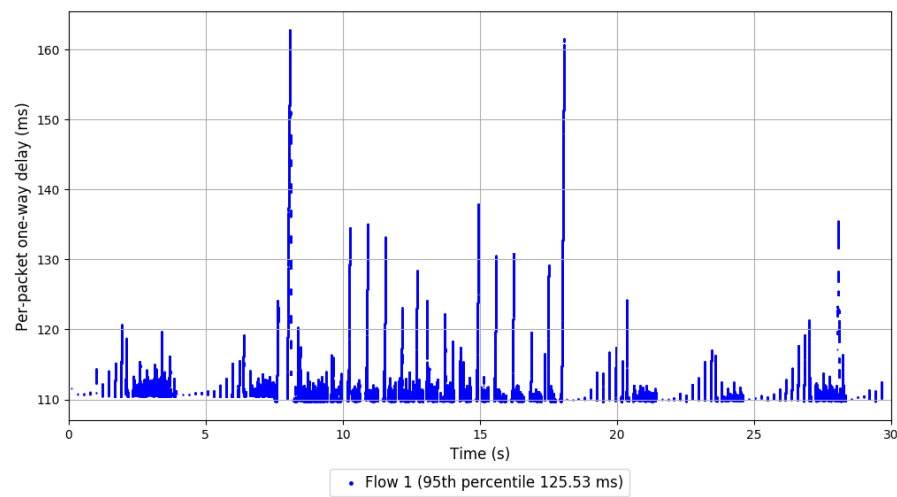
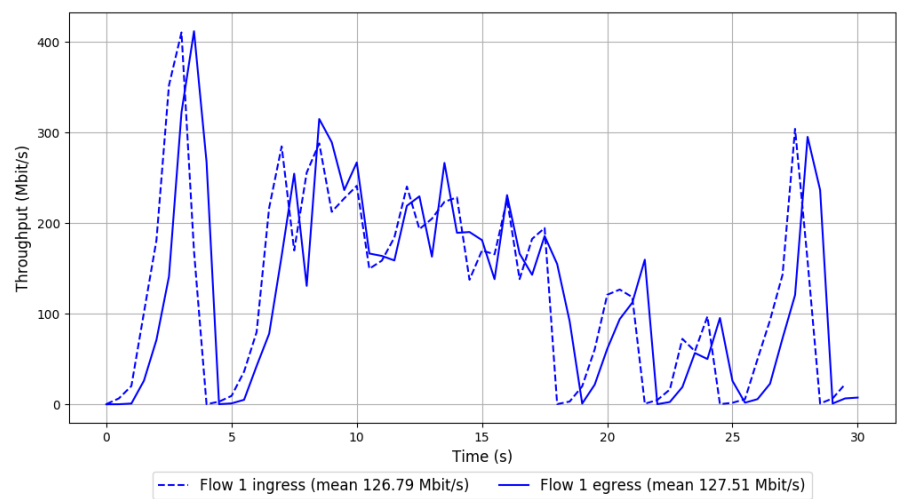
-- Flow 1:

Average throughput: 127.51 Mbit/s

95th percentile per-packet one-way delay: 125.527 ms

Loss rate: 0.20%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-01 13:12:06

End at: 2018-08-01 13:12:36

Local clock offset: -0.082 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-08-01 17:38:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.15 Mbit/s

95th percentile per-packet one-way delay: 115.267 ms

Loss rate: 0.00%

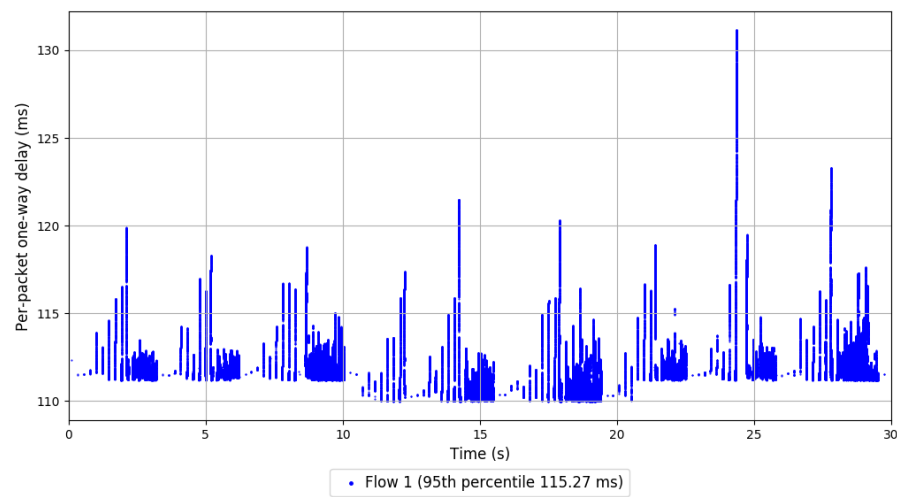
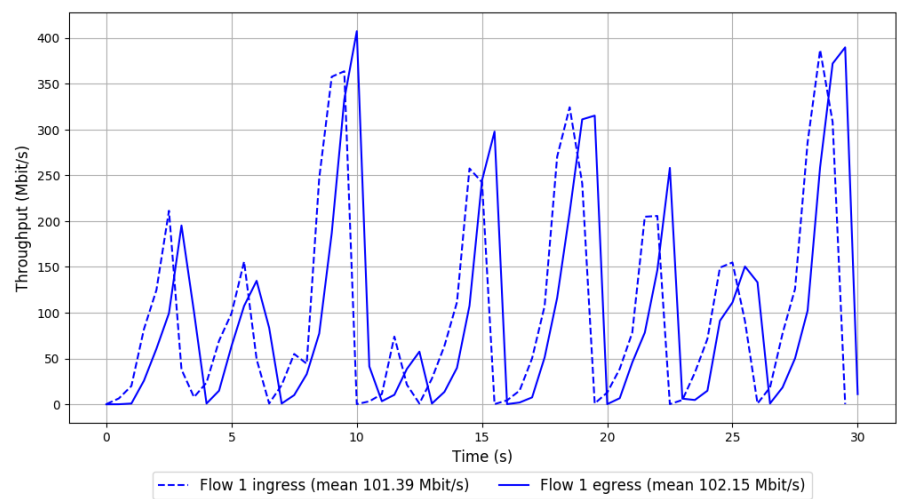
-- Flow 1:

Average throughput: 102.15 Mbit/s

95th percentile per-packet one-way delay: 115.267 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

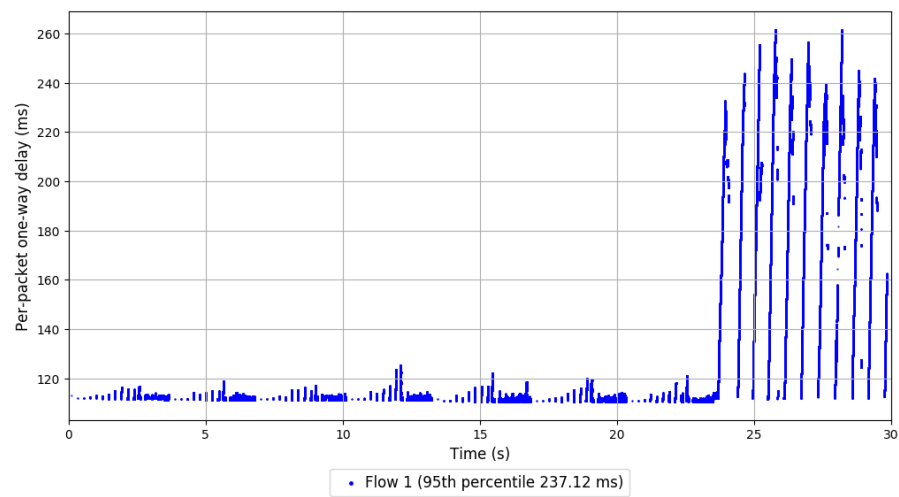
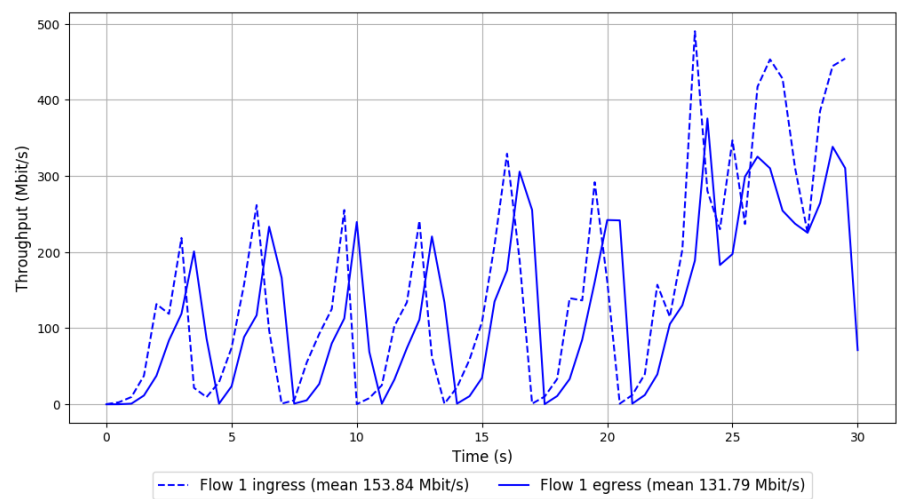


Run 4: Statistics of Verus

Start at: 2018-08-01 13:34:53
End at: 2018-08-01 13:35:23
Local clock offset: 0.104 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-08-01 17:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.79 Mbit/s
95th percentile per-packet one-way delay: 237.120 ms
Loss rate: 14.81%
-- Flow 1:
Average throughput: 131.79 Mbit/s
95th percentile per-packet one-way delay: 237.120 ms
Loss rate: 14.81%

Run 4: Report of Verus — Data Link

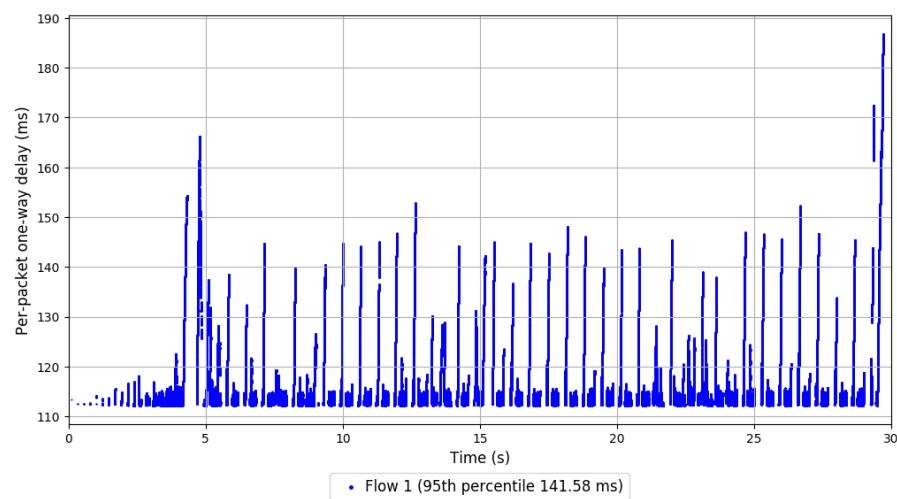
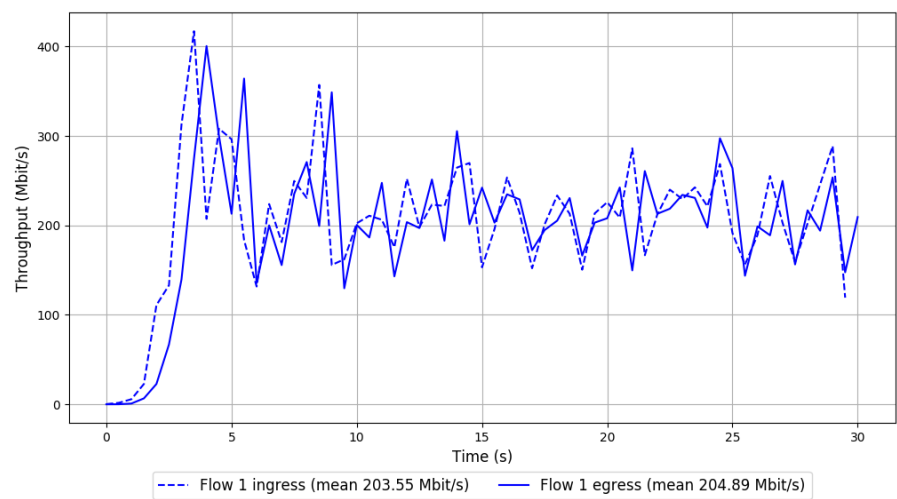


Run 5: Statistics of Verus

Start at: 2018-08-01 13:57:26
End at: 2018-08-01 13:57:56
Local clock offset: -0.634 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-01 17:39:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.89 Mbit/s
95th percentile per-packet one-way delay: 141.582 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 204.89 Mbit/s
95th percentile per-packet one-way delay: 141.582 ms
Loss rate: 0.56%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-01 14:19:38

End at: 2018-08-01 14:20:08

Local clock offset: -0.236 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-01 17:39:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 114.016 ms

Loss rate: 1.68%

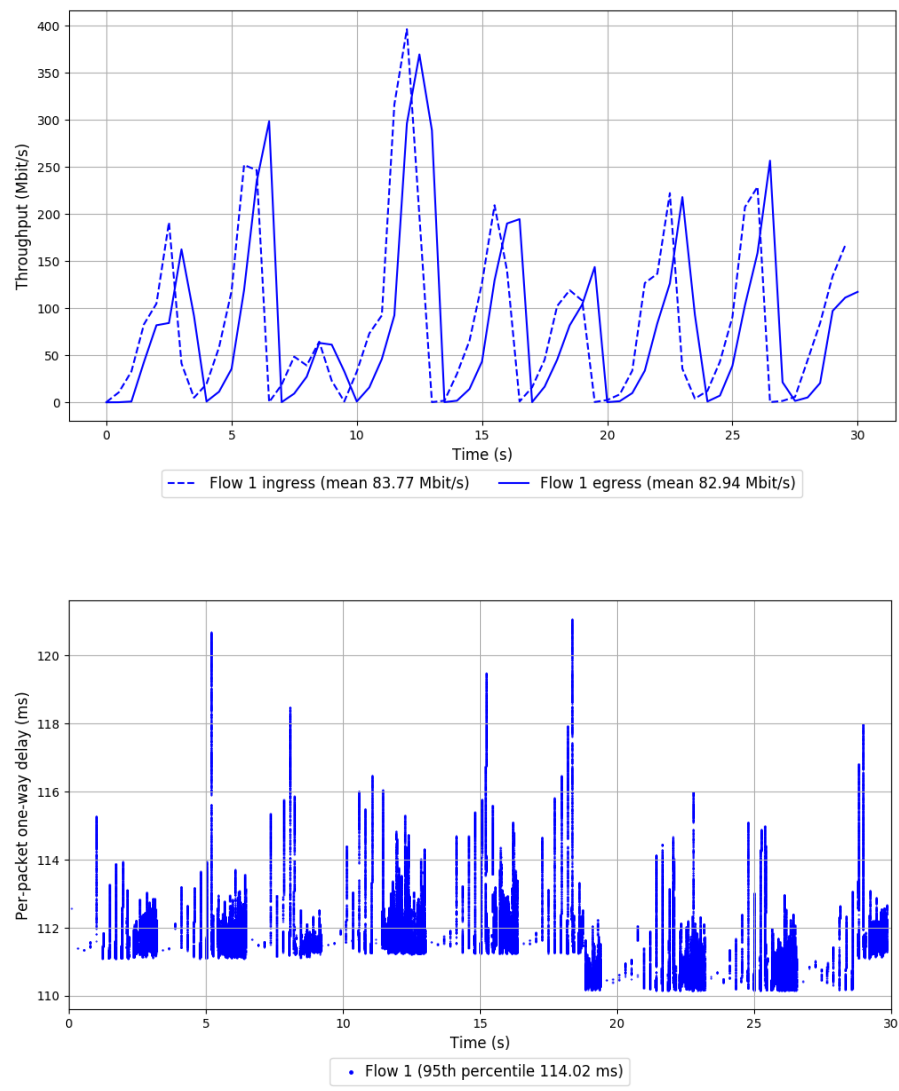
-- Flow 1:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 114.016 ms

Loss rate: 1.68%

Run 6: Report of Verus — Data Link

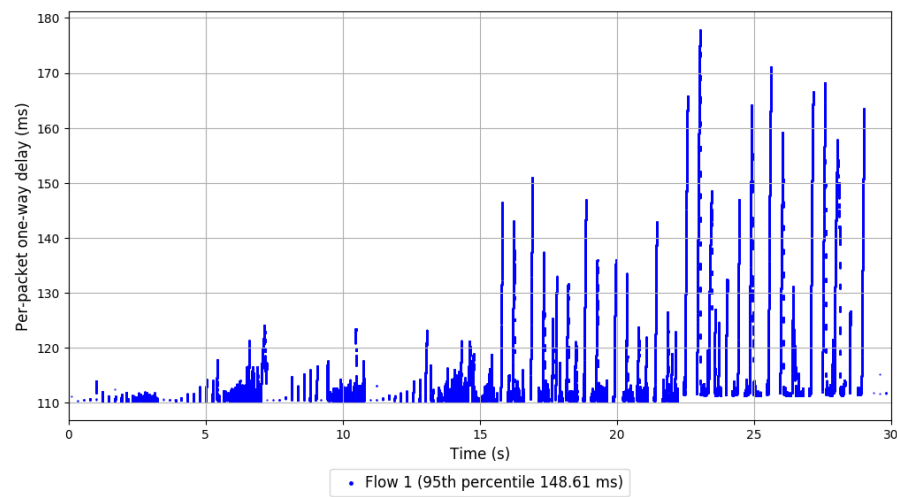
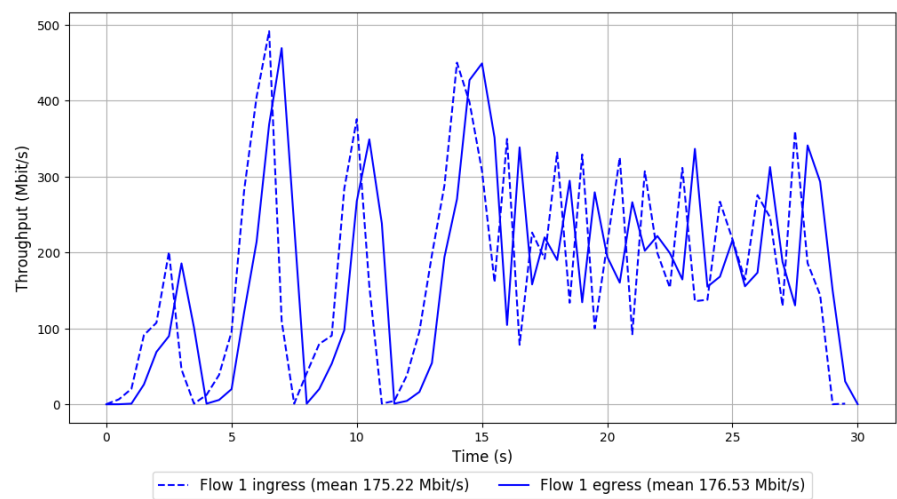


Run 7: Statistics of Verus

Start at: 2018-08-01 14:42:15
End at: 2018-08-01 14:42:45
Local clock offset: -0.449 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-08-01 17:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.53 Mbit/s
95th percentile per-packet one-way delay: 148.606 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 176.53 Mbit/s
95th percentile per-packet one-way delay: 148.606 ms
Loss rate: 0.01%

Run 7: Report of Verus — Data Link

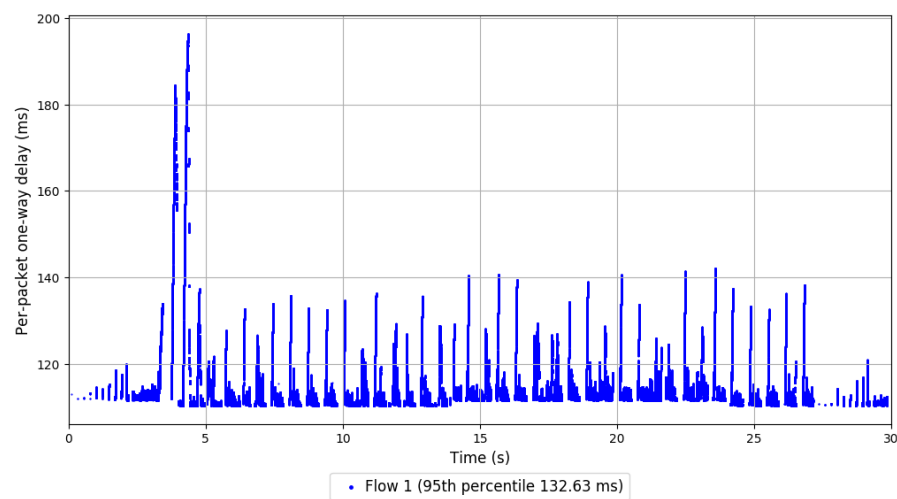
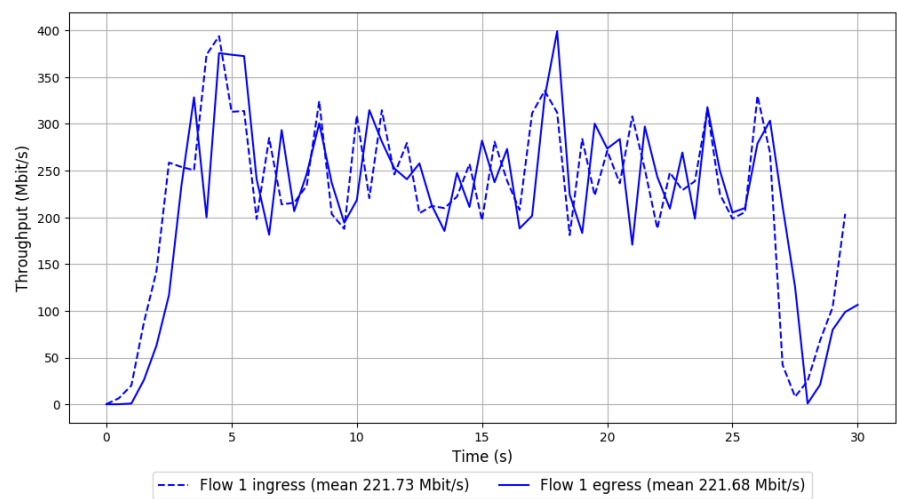


Run 8: Statistics of Verus

Start at: 2018-08-01 15:05:03
End at: 2018-08-01 15:05:33
Local clock offset: -0.158 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-01 17:40:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.68 Mbit/s
95th percentile per-packet one-way delay: 132.634 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 221.68 Mbit/s
95th percentile per-packet one-way delay: 132.634 ms
Loss rate: 0.77%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-01 15:27:40

End at: 2018-08-01 15:28:10

Local clock offset: -0.672 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-08-01 17:40:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.68 Mbit/s

95th percentile per-packet one-way delay: 123.828 ms

Loss rate: 0.00%

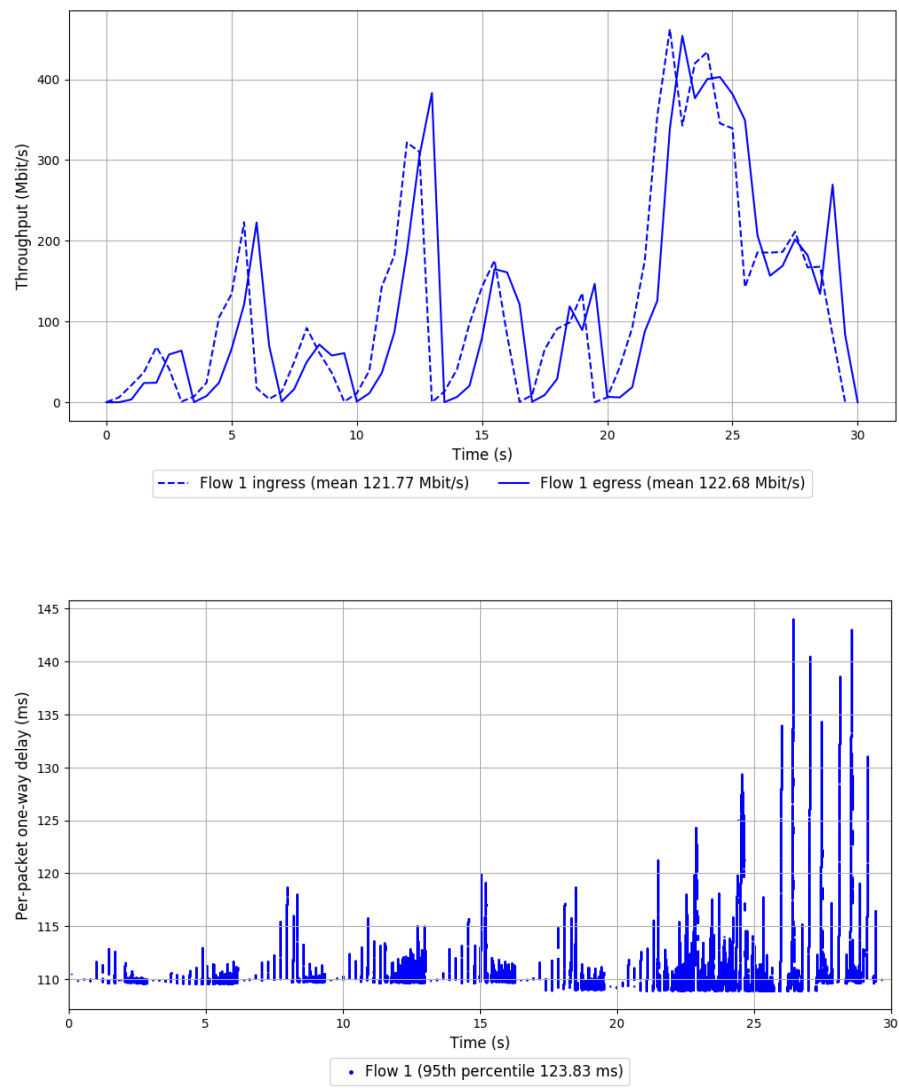
-- Flow 1:

Average throughput: 122.68 Mbit/s

95th percentile per-packet one-way delay: 123.828 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

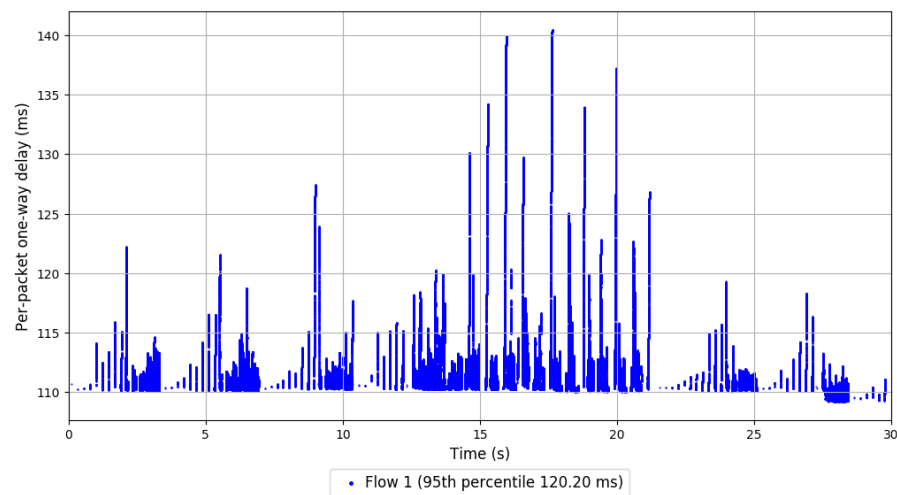
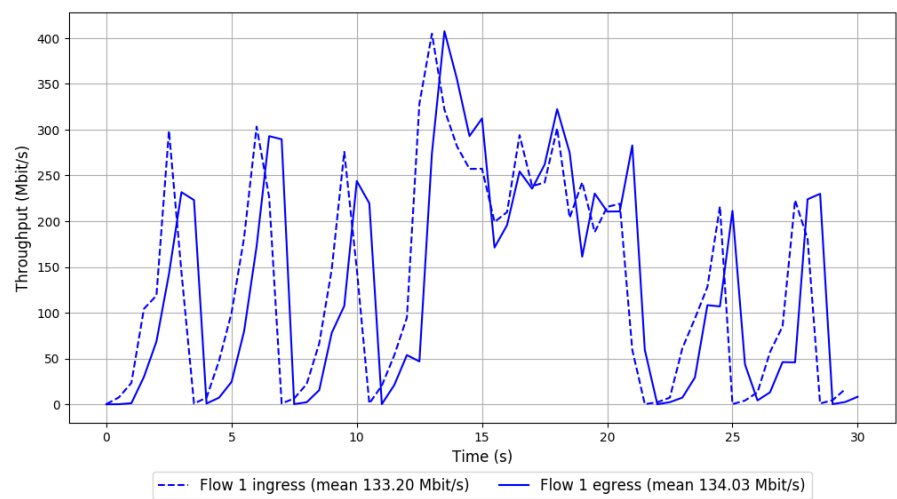


Run 10: Statistics of Verus

Start at: 2018-08-01 15:50:19
End at: 2018-08-01 15:50:49
Local clock offset: -0.21 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-01 17:40:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.03 Mbit/s
95th percentile per-packet one-way delay: 120.201 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 134.03 Mbit/s
95th percentile per-packet one-way delay: 120.201 ms
Loss rate: 0.14%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 12:34:46

End at: 2018-08-01 12:35:16

Local clock offset: 0.264 ms

Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-08-01 17:43:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.98 Mbit/s

95th percentile per-packet one-way delay: 111.712 ms

Loss rate: 0.87%

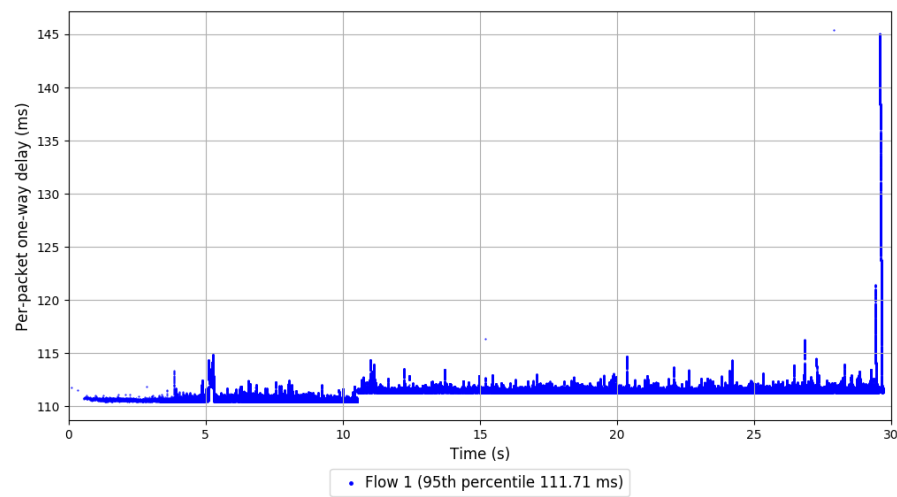
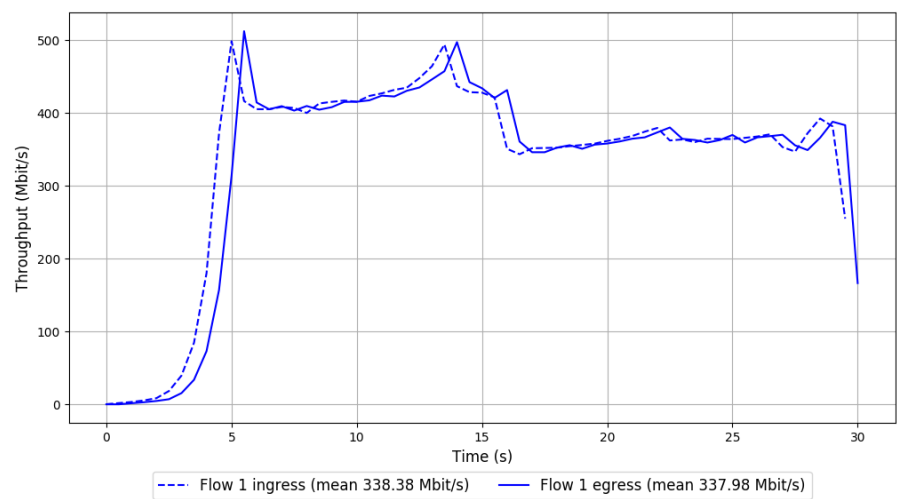
-- Flow 1:

Average throughput: 337.98 Mbit/s

95th percentile per-packet one-way delay: 111.712 ms

Loss rate: 0.87%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 12:57:32

End at: 2018-08-01 12:58:02

Local clock offset: 1.011 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-08-01 17:44:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.45 Mbit/s

95th percentile per-packet one-way delay: 112.422 ms

Loss rate: 0.80%

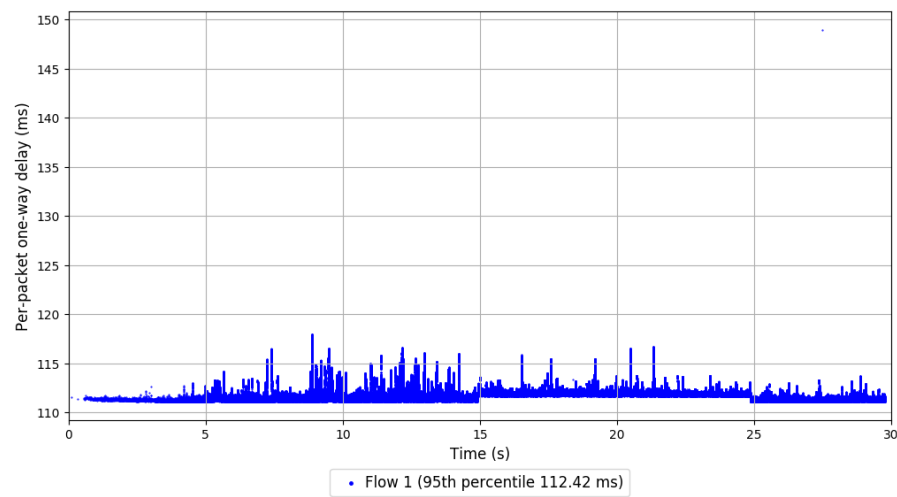
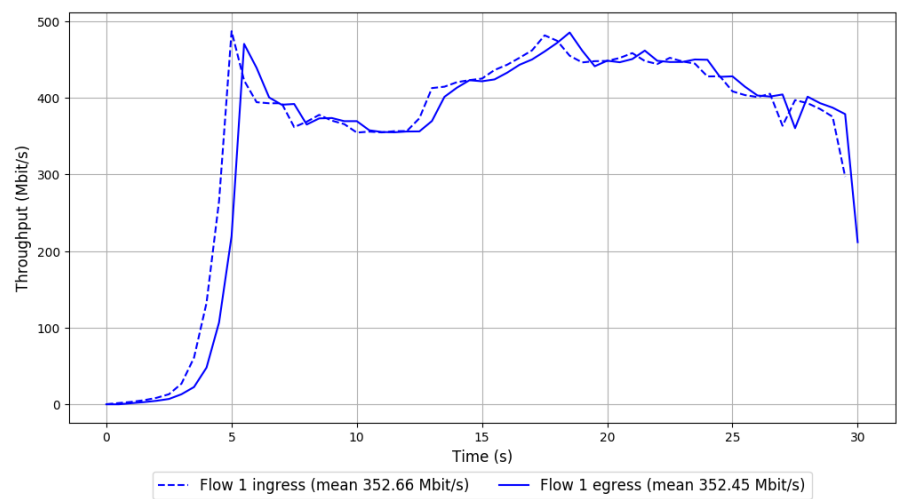
-- Flow 1:

Average throughput: 352.45 Mbit/s

95th percentile per-packet one-way delay: 112.422 ms

Loss rate: 0.80%

Run 2: Report of PCC-Vivace — Data Link

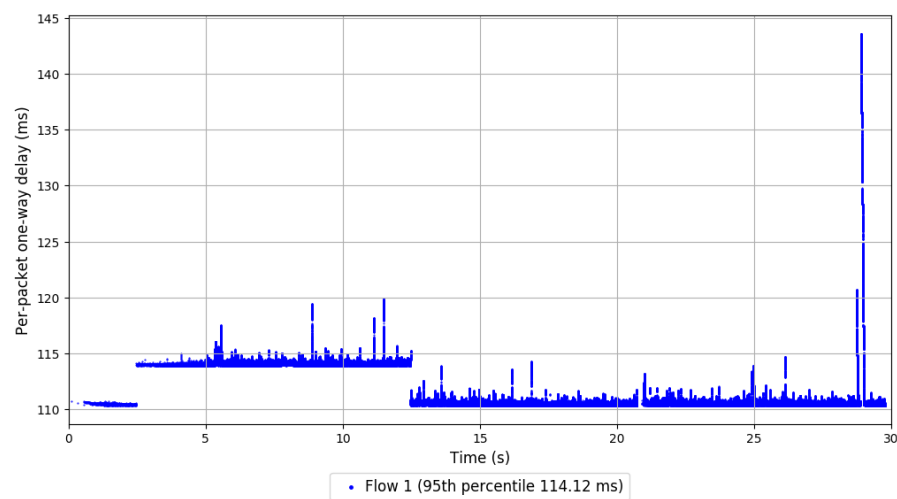
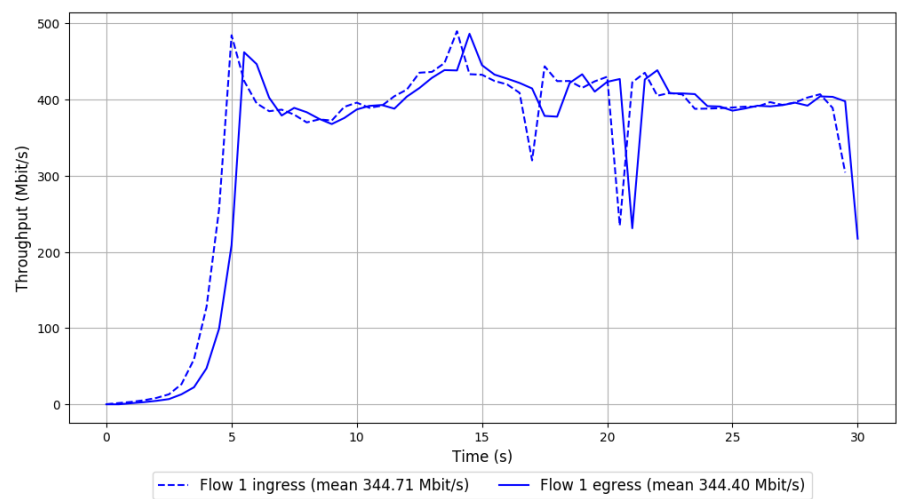


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 13:20:14
End at: 2018-08-01 13:20:44
Local clock offset: -0.182 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-08-01 17:44:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.40 Mbit/s
95th percentile per-packet one-way delay: 114.119 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 344.40 Mbit/s
95th percentile per-packet one-way delay: 114.119 ms
Loss rate: 0.83%

Run 3: Report of PCC-Vivace — Data Link

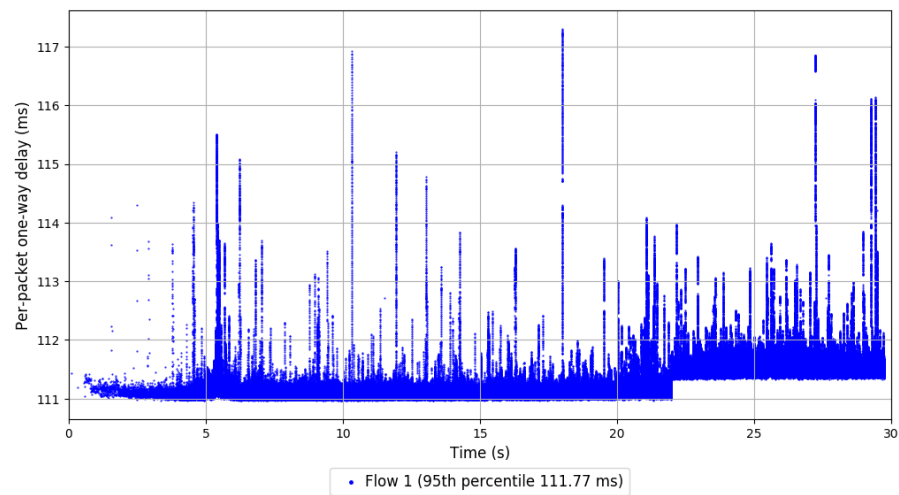
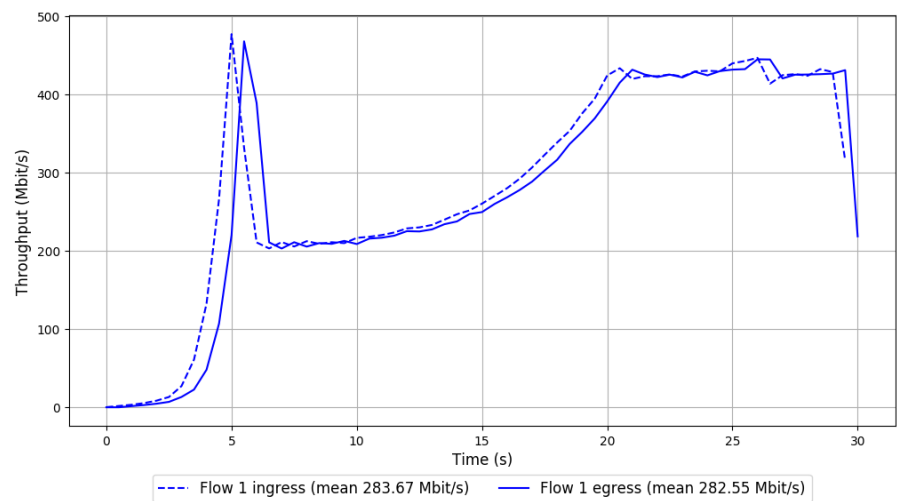


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 13:42:55
End at: 2018-08-01 13:43:25
Local clock offset: -0.005 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-01 17:44:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.55 Mbit/s
95th percentile per-packet one-way delay: 111.765 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 282.55 Mbit/s
95th percentile per-packet one-way delay: 111.765 ms
Loss rate: 1.14%

Run 4: Report of PCC-Vivace — Data Link

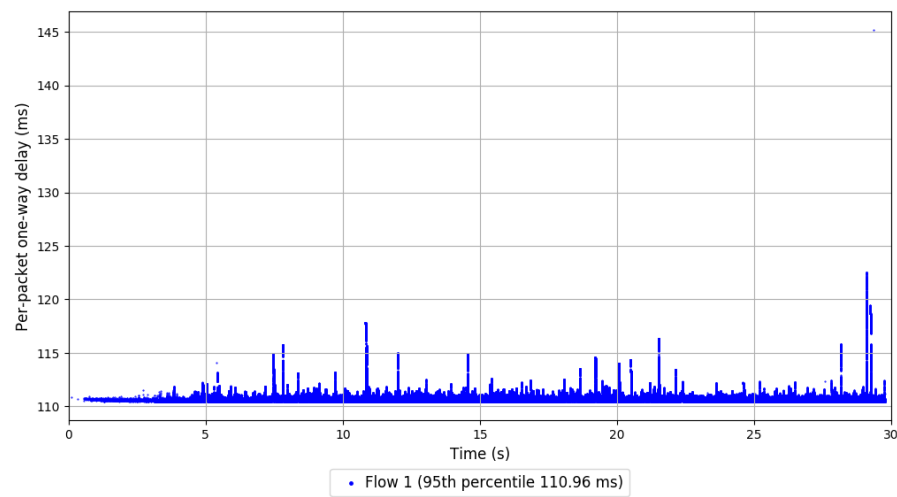
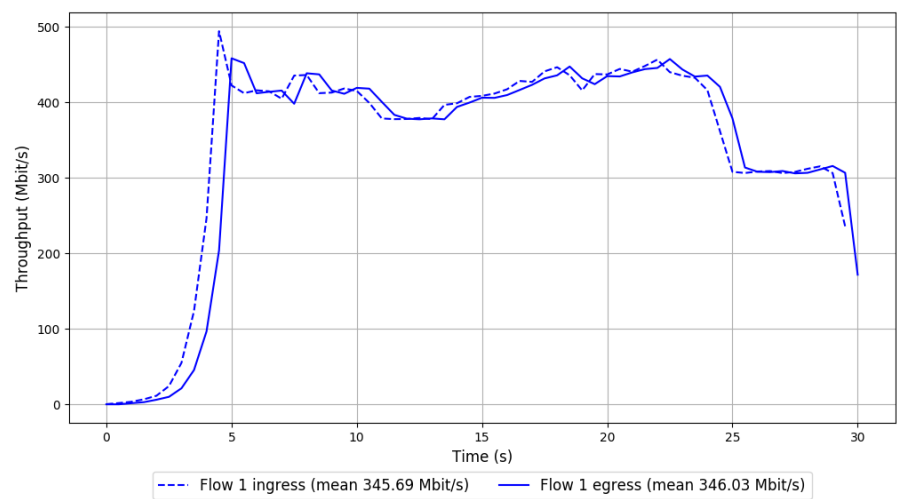


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 14:05:04
End at: 2018-08-01 14:05:34
Local clock offset: -0.307 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-08-01 17:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.03 Mbit/s
95th percentile per-packet one-way delay: 110.963 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 346.03 Mbit/s
95th percentile per-packet one-way delay: 110.963 ms
Loss rate: 0.65%

Run 5: Report of PCC-Vivace — Data Link

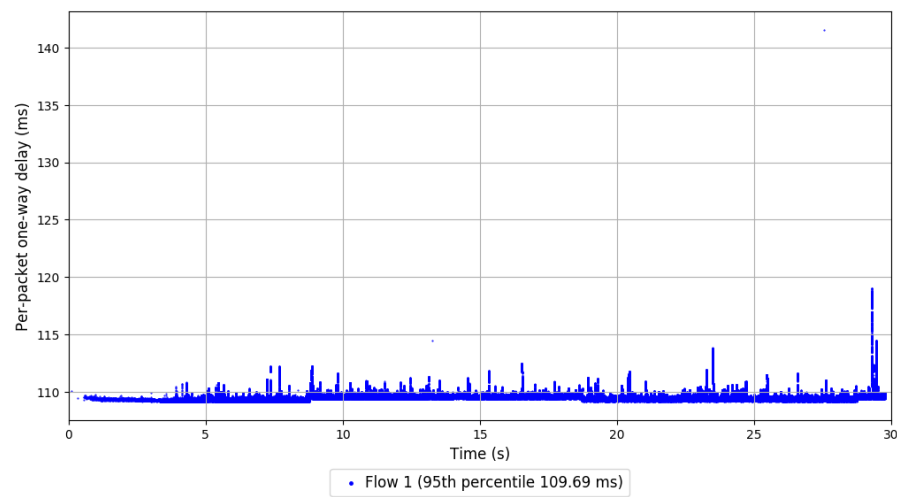
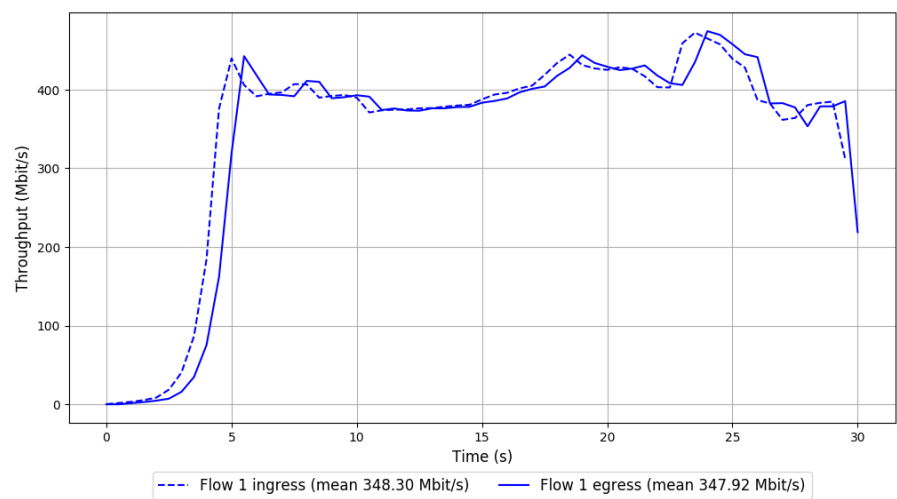


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 14:27:38
End at: 2018-08-01 14:28:08
Local clock offset: -1.588 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-08-01 17:45:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.92 Mbit/s
95th percentile per-packet one-way delay: 109.689 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 347.92 Mbit/s
95th percentile per-packet one-way delay: 109.689 ms
Loss rate: 0.85%

Run 6: Report of PCC-Vivace — Data Link

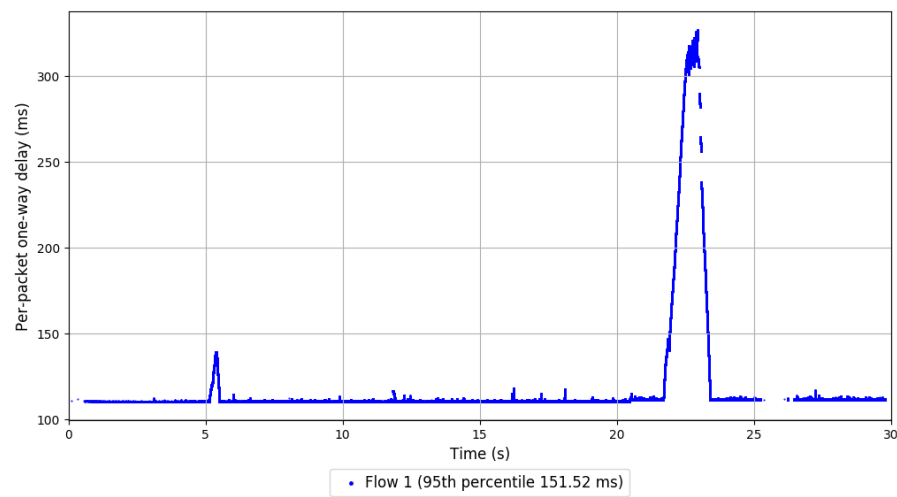
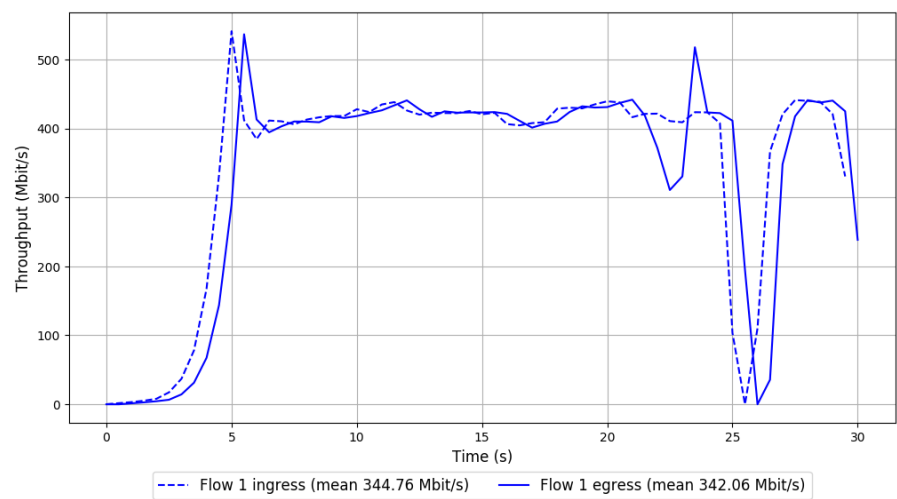


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 14:50:26
End at: 2018-08-01 14:50:57
Local clock offset: -0.345 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-01 17:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.06 Mbit/s
95th percentile per-packet one-way delay: 151.519 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 342.06 Mbit/s
95th percentile per-packet one-way delay: 151.519 ms
Loss rate: 1.52%

Run 7: Report of PCC-Vivace — Data Link

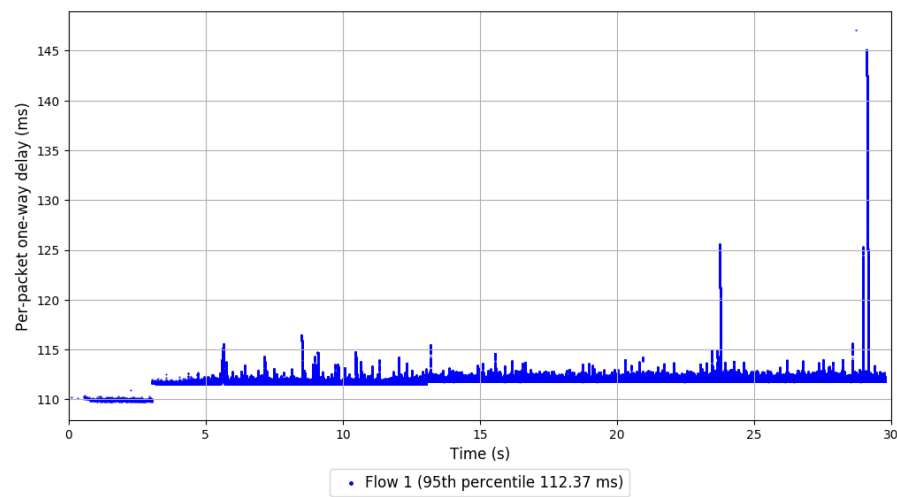
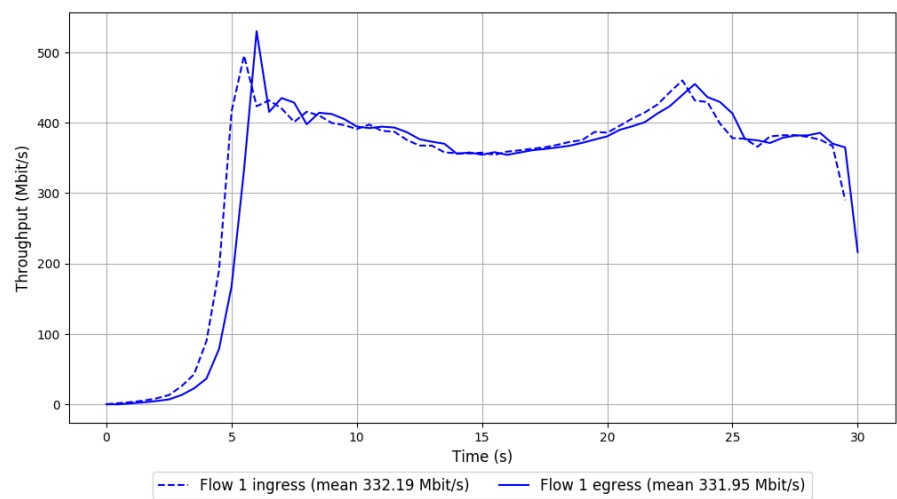


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 15:13:04
End at: 2018-08-01 15:13:34
Local clock offset: -0.325 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-08-01 17:45:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.95 Mbit/s
95th percentile per-packet one-way delay: 112.372 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 331.95 Mbit/s
95th percentile per-packet one-way delay: 112.372 ms
Loss rate: 0.81%

Run 8: Report of PCC-Vivace — Data Link

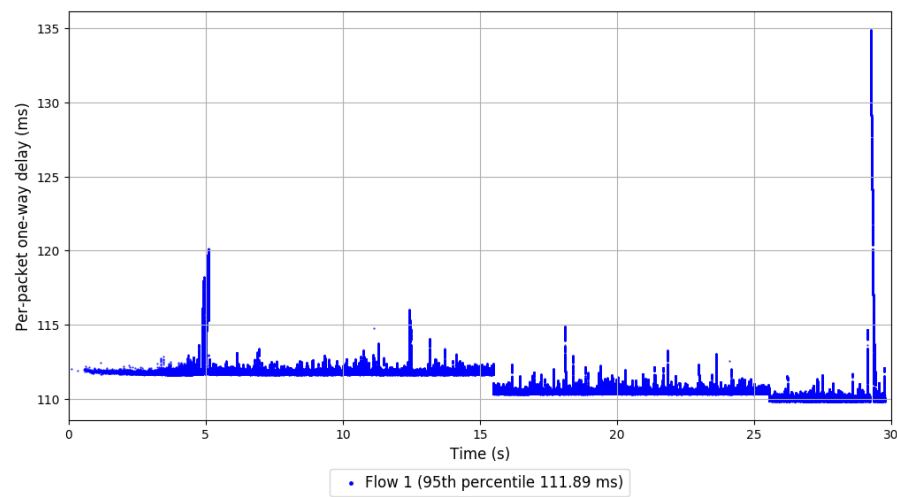
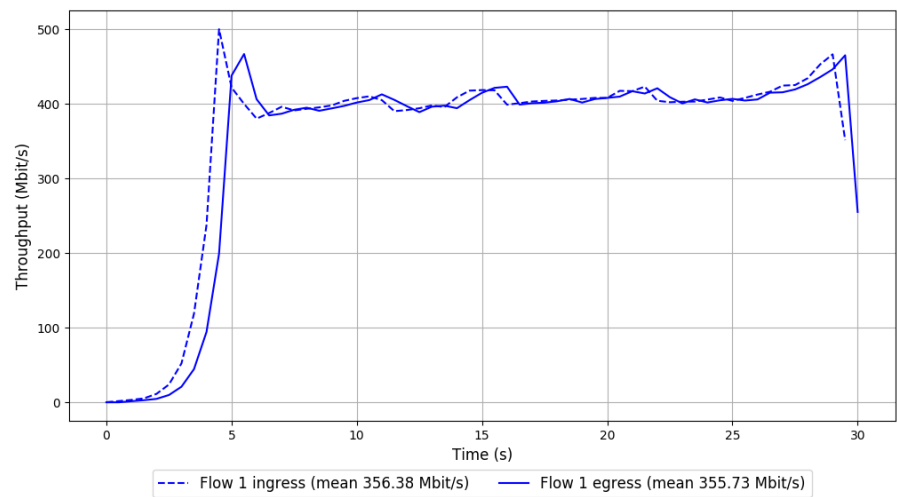


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 15:35:41
End at: 2018-08-01 15:36:11
Local clock offset: -0.08 ms
Remote clock offset: -0.421 ms

Below is generated by plot.py at 2018-08-01 17:46:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.73 Mbit/s
95th percentile per-packet one-way delay: 111.885 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 355.73 Mbit/s
95th percentile per-packet one-way delay: 111.885 ms
Loss rate: 0.93%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 15:58:06

End at: 2018-08-01 15:58:36

Local clock offset: 0.02 ms

Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-01 17:46:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.15 Mbit/s

95th percentile per-packet one-way delay: 110.164 ms

Loss rate: 1.03%

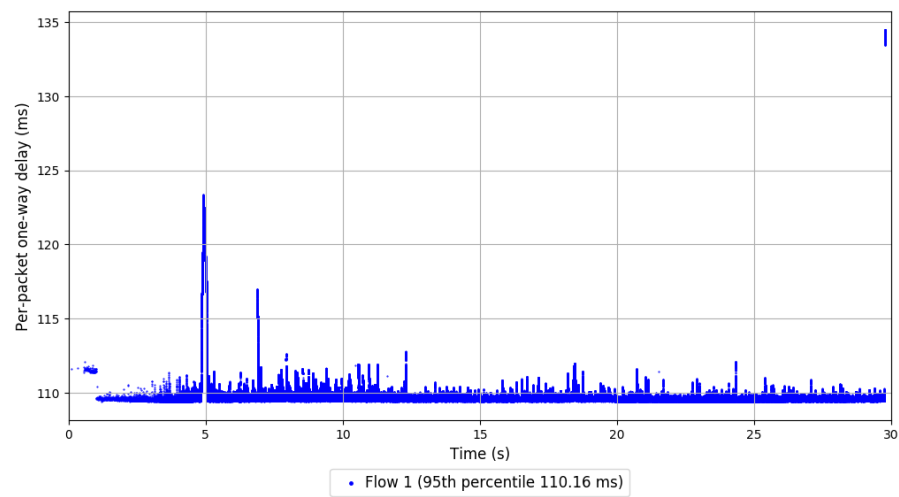
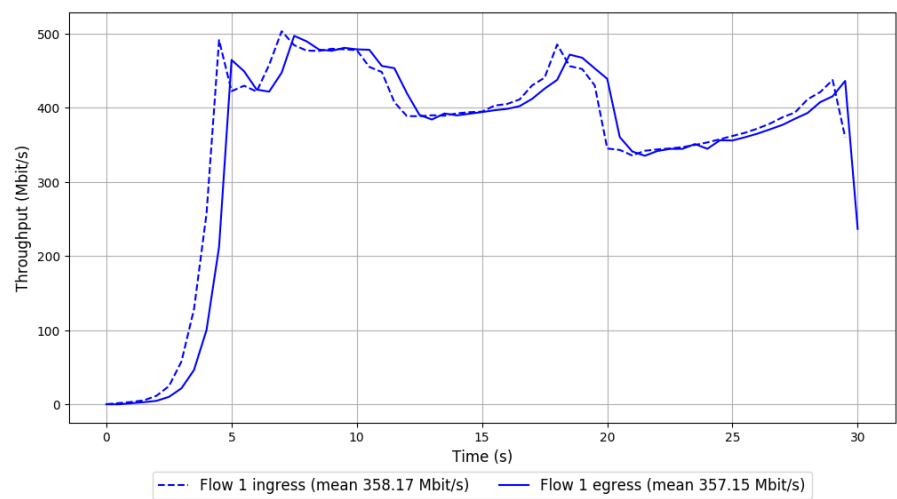
-- Flow 1:

Average throughput: 357.15 Mbit/s

95th percentile per-packet one-way delay: 110.164 ms

Loss rate: 1.03%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-01 12:30:46

End at: 2018-08-01 12:31:16

Local clock offset: 0.026 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-08-01 17:46:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 111.144 ms

Loss rate: 1.07%

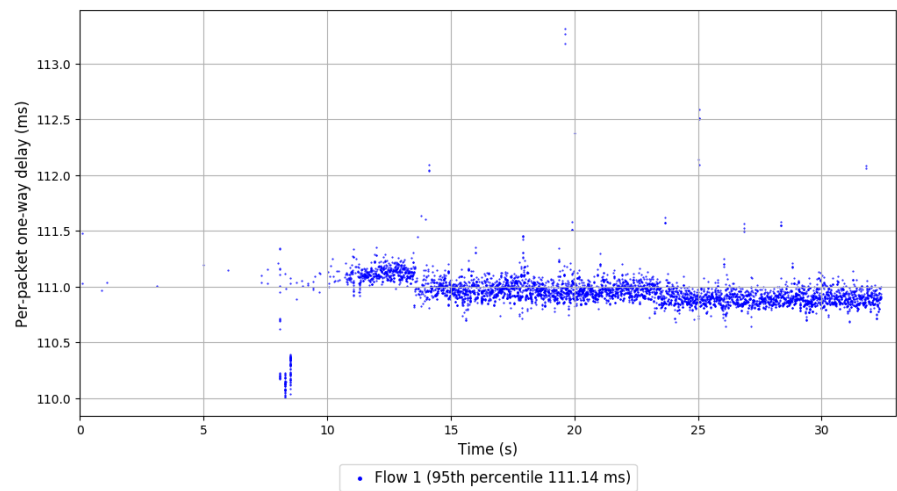
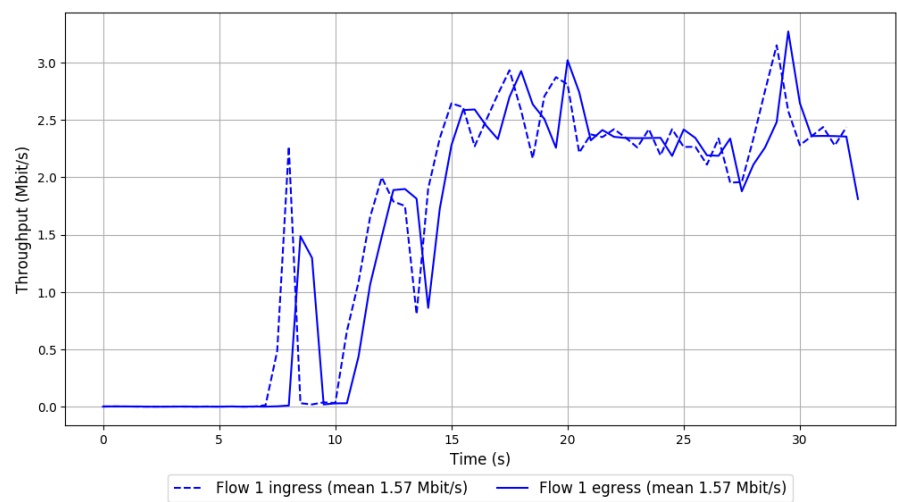
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 111.144 ms

Loss rate: 1.07%

Run 1: Report of WebRTC media — Data Link

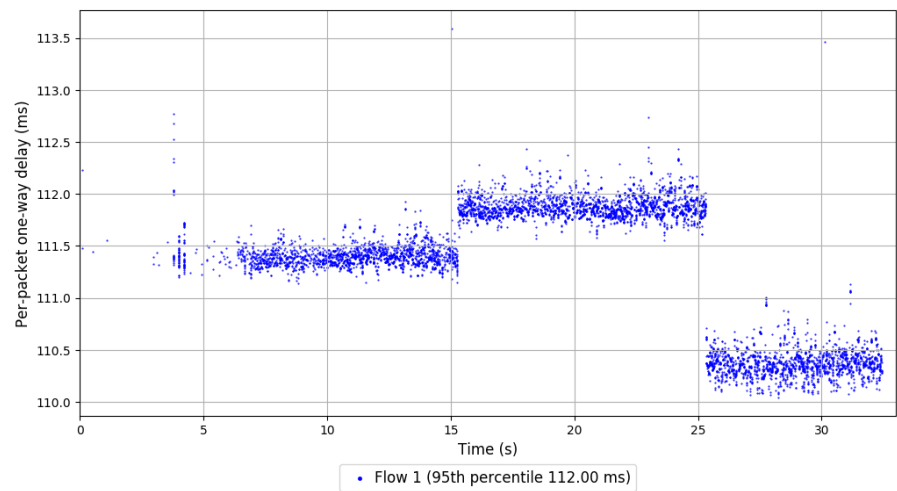
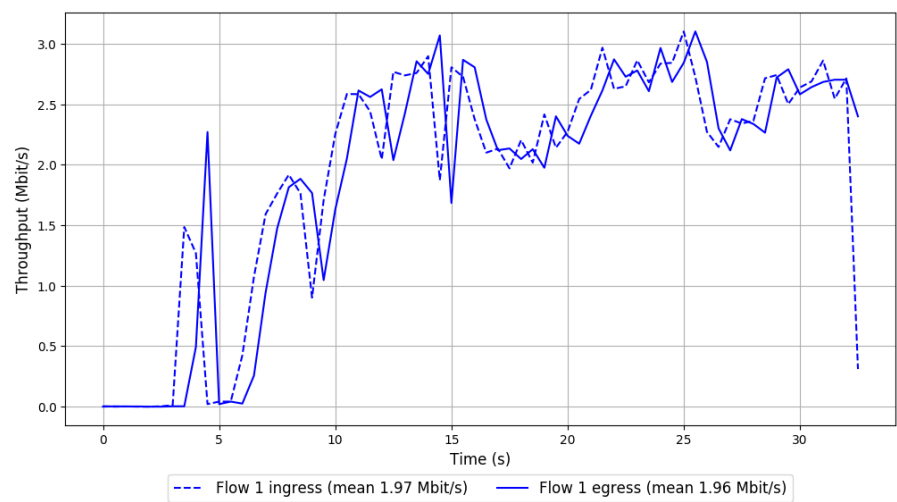


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 12:53:24
End at: 2018-08-01 12:53:54
Local clock offset: -0.278 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-08-01 17:46:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 111.999 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 111.999 ms
Loss rate: 0.87%

Run 2: Report of WebRTC media — Data Link

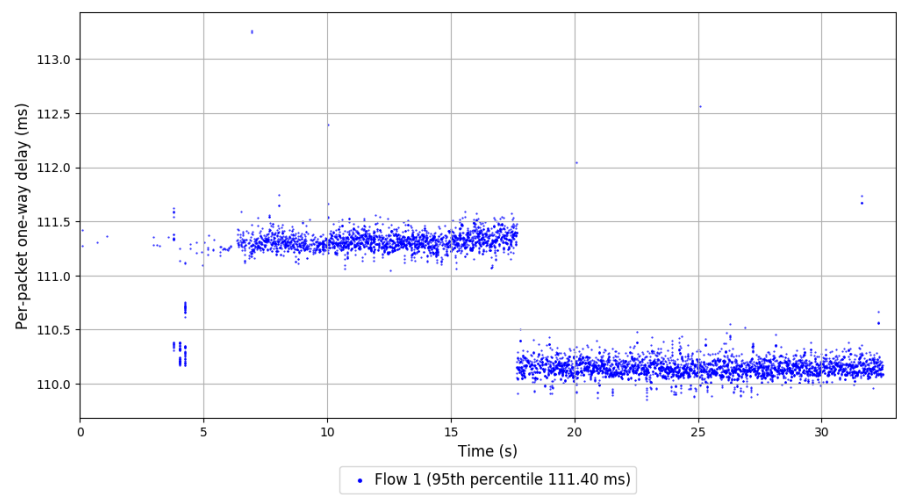
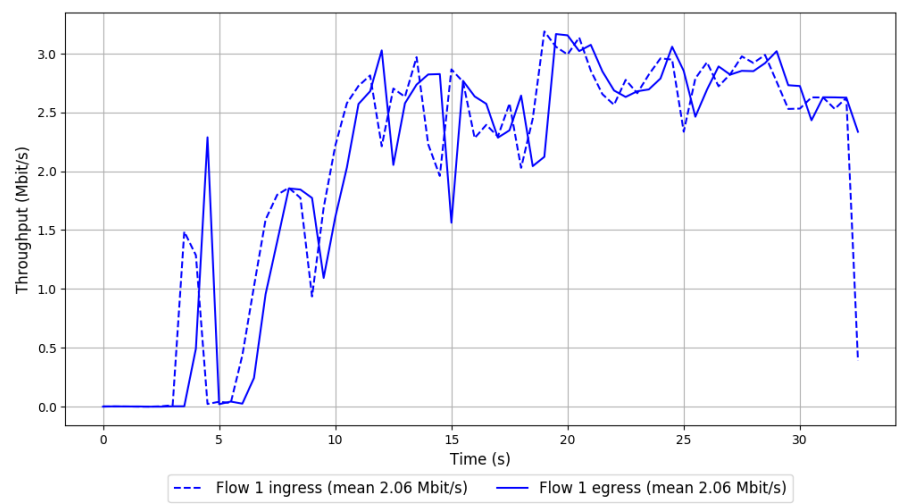


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 13:16:02
End at: 2018-08-01 13:16:32
Local clock offset: -0.264 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-01 17:46:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 111.397 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 111.397 ms
Loss rate: 0.87%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-01 13:39:02

End at: 2018-08-01 13:39:32

Local clock offset: -0.339 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-08-01 17:46:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 111.114 ms

Loss rate: 0.91%

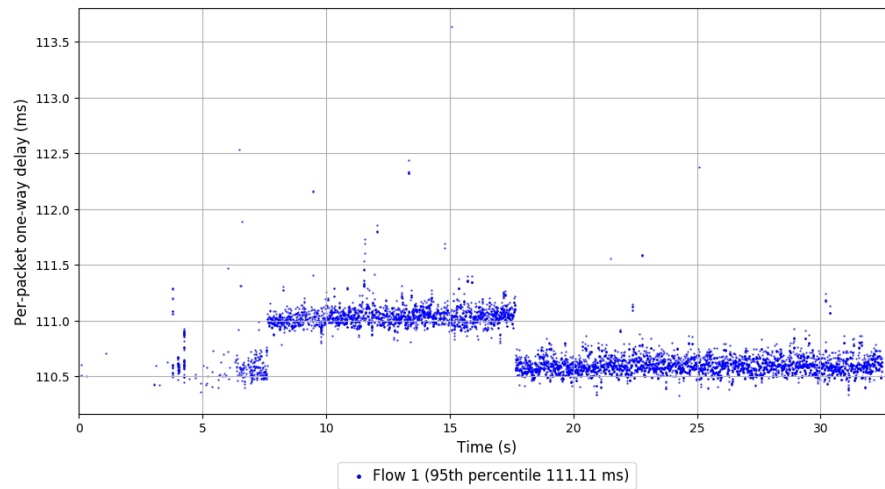
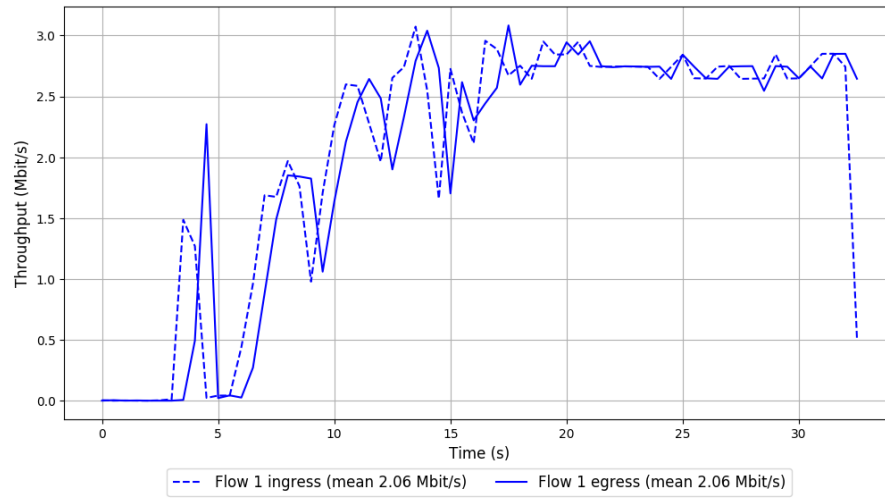
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 111.114 ms

Loss rate: 0.91%

Run 4: Report of WebRTC media — Data Link

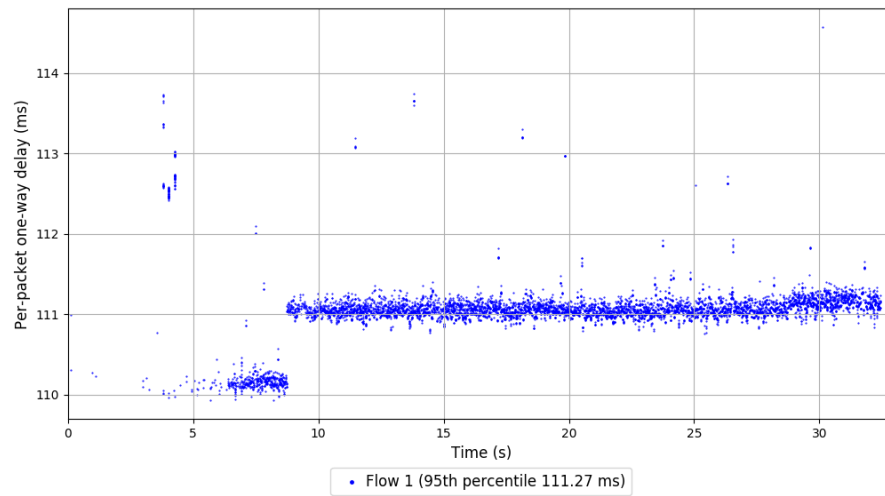
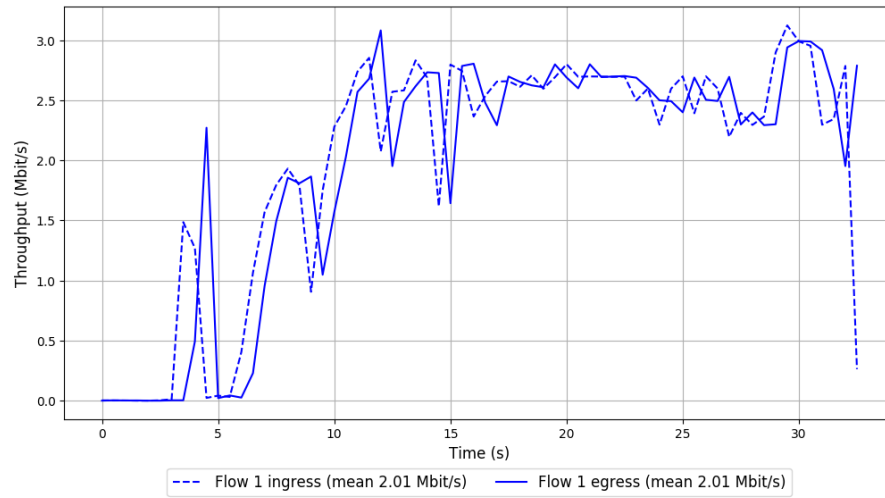


Run 5: Statistics of WebRTC media

Start at: 2018-08-01 14:01:21
End at: 2018-08-01 14:01:51
Local clock offset: -0.556 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-08-01 17:46:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 111.265 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 111.265 ms
Loss rate: 0.80%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-01 14:23:35

End at: 2018-08-01 14:24:05

Local clock offset: -0.148 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-08-01 17:46:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 111.294 ms

Loss rate: 0.98%

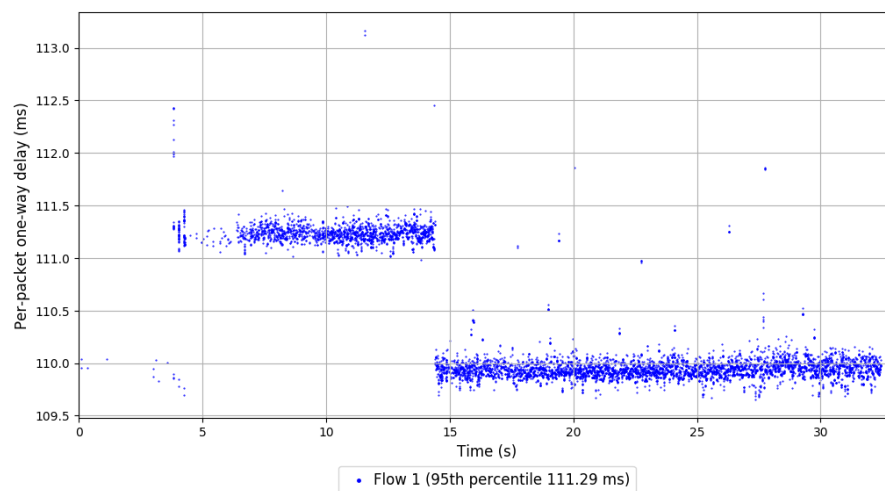
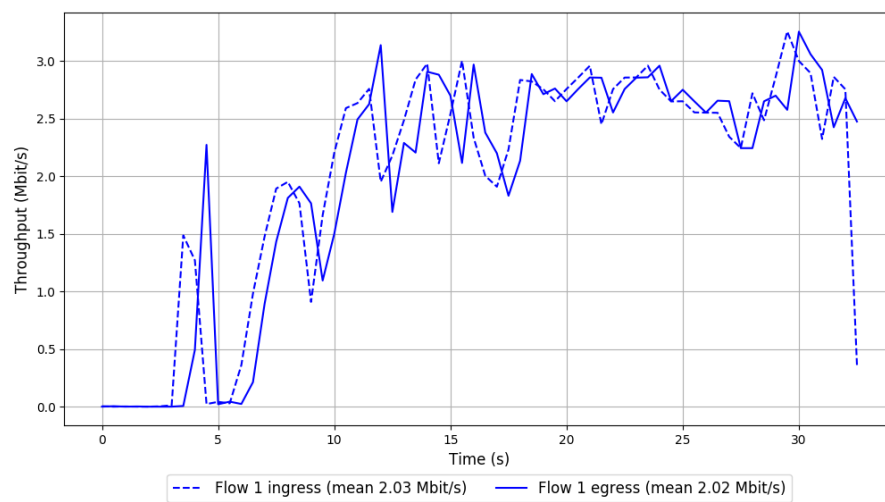
-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 111.294 ms

Loss rate: 0.98%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-01 14:46:22

End at: 2018-08-01 14:46:52

Local clock offset: -1.521 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-08-01 17:46:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 110.224 ms

Loss rate: 0.82%

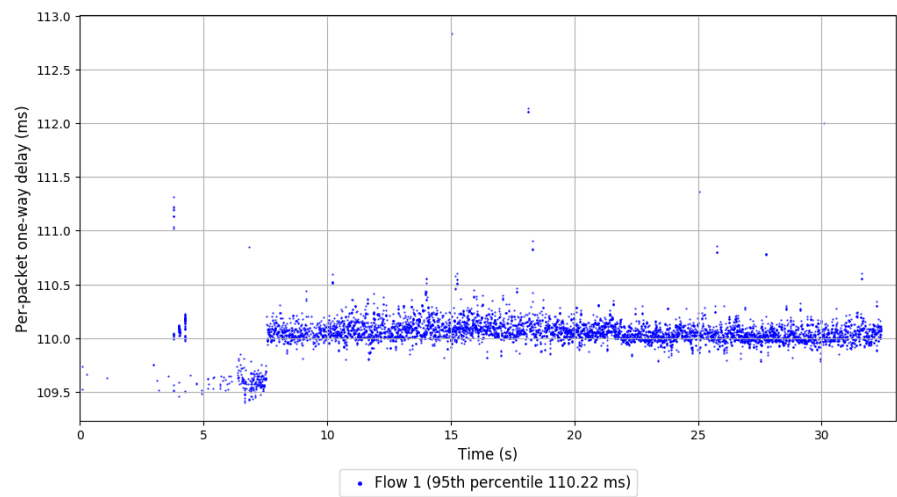
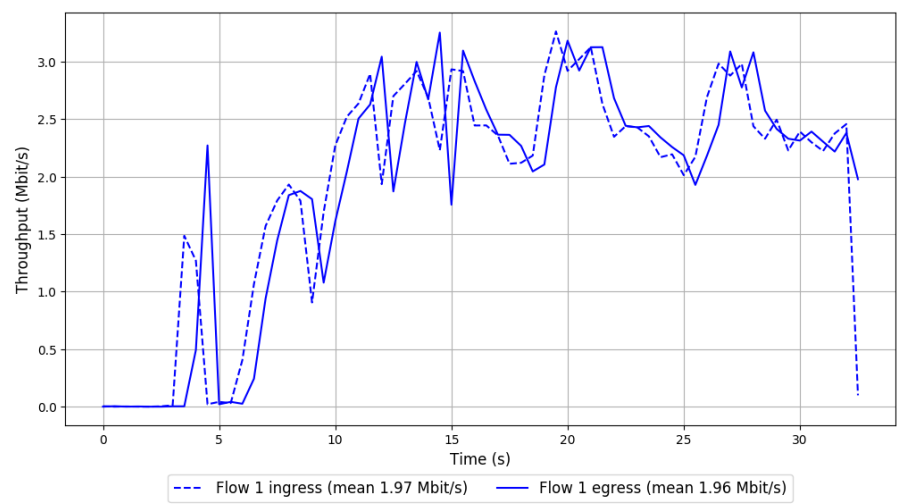
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 110.224 ms

Loss rate: 0.82%

Run 7: Report of WebRTC media — Data Link

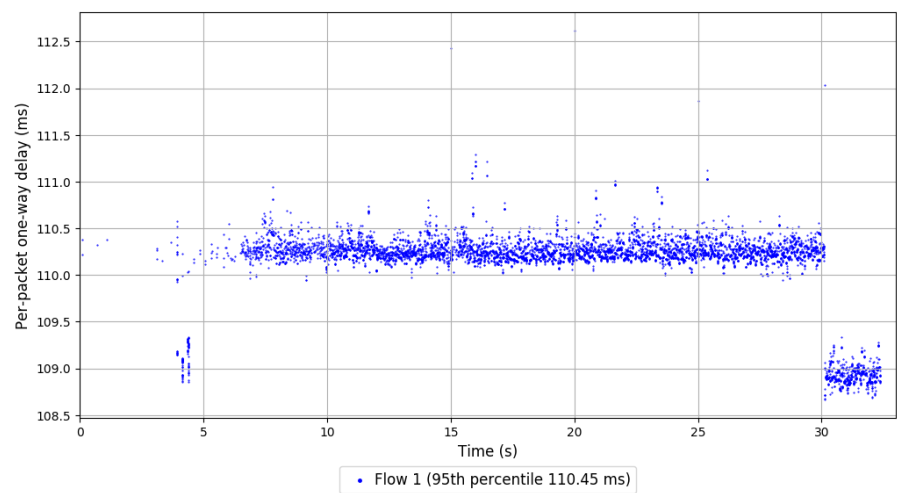
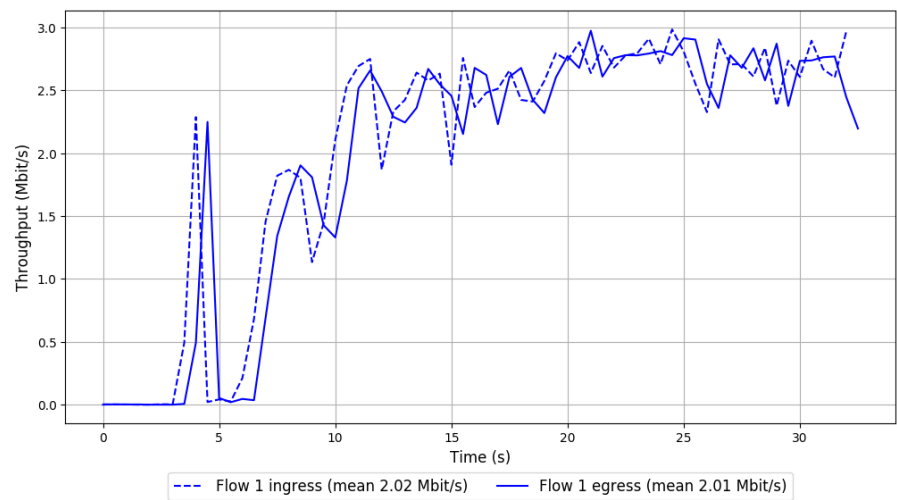


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 15:09:09
End at: 2018-08-01 15:09:39
Local clock offset: -1.64 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-01 17:46:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 110.454 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 110.454 ms
Loss rate: 1.08%

Run 8: Report of WebRTC media — Data Link

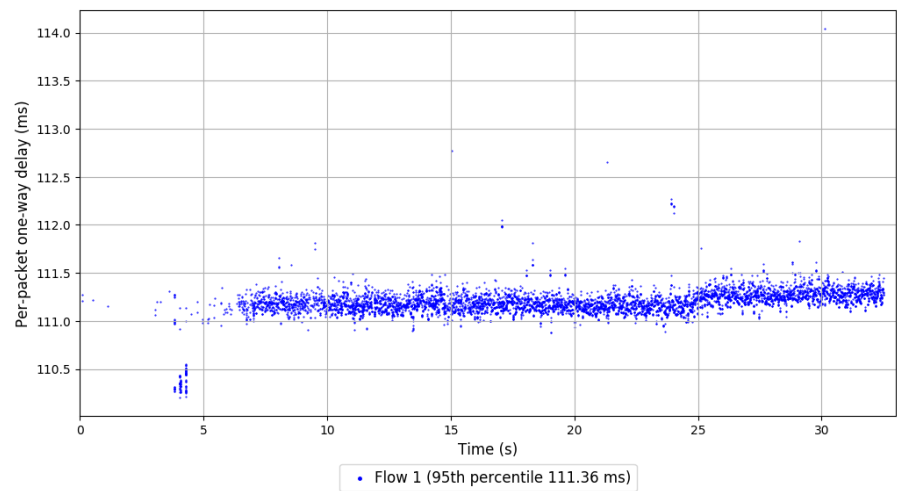
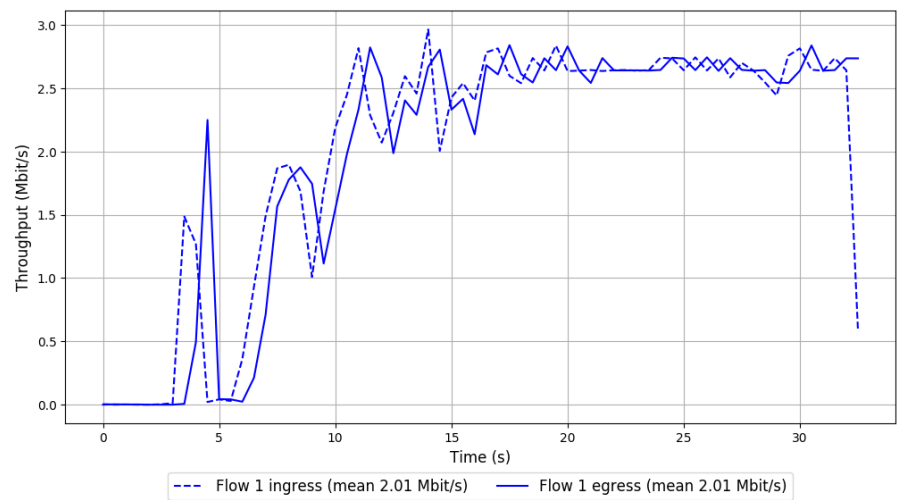


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 15:31:35
End at: 2018-08-01 15:32:05
Local clock offset: -0.205 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-01 17:46:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 111.359 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 111.359 ms
Loss rate: 0.82%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 15:54:12

End at: 2018-08-01 15:54:42

Local clock offset: 0.08 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-08-01 17:46:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 111.523 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 111.523 ms

Loss rate: 1.03%

Run 10: Report of WebRTC media — Data Link

