

Pantheon Report

Generated at 2018-08-10 01:17:19 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

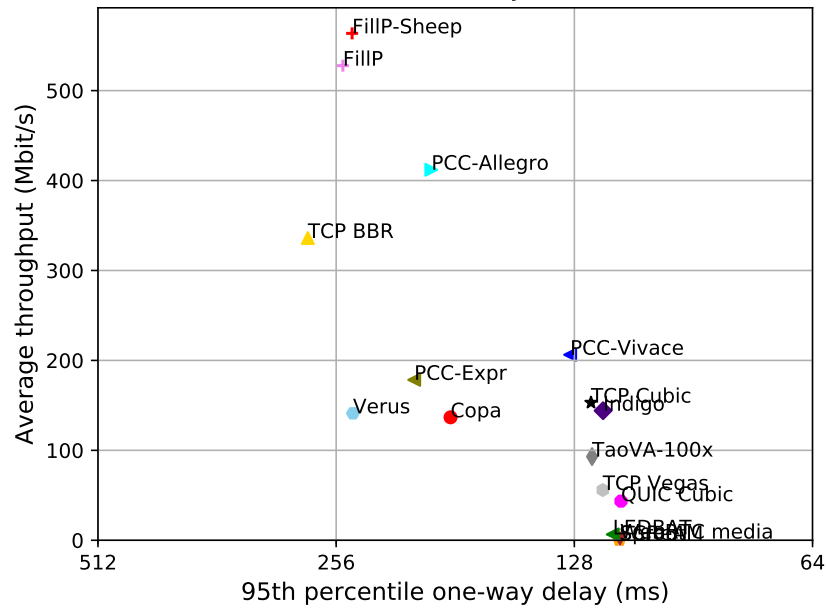
System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

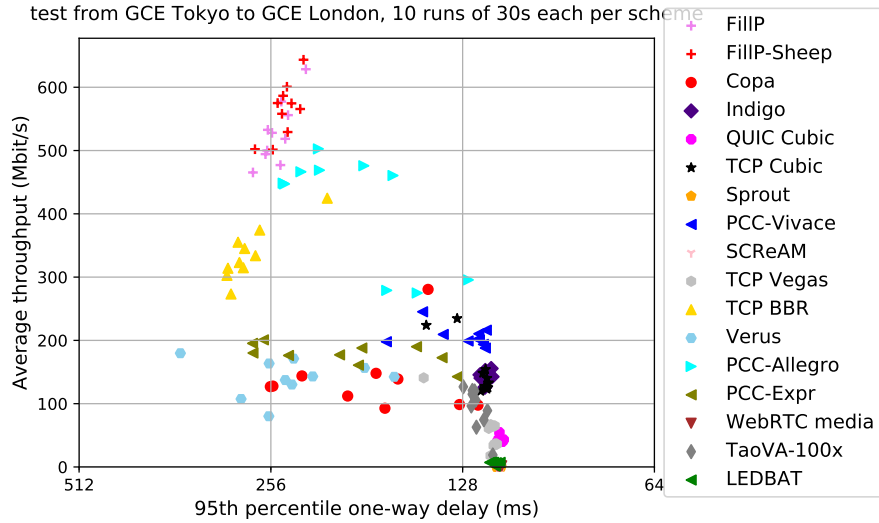
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Tokyo to GCE London, 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	336.14	278.00	9.48
Copa	10	136.72	183.52	0.40
TCP Cubic	10	153.04	121.95	0.04
FillP	10	527.76	251.04	19.07
FillP-Sheep	10	563.67	244.39	18.69
Indigo	10	144.06	117.73	0.01
LEDBAT	10	6.53	114.48	0.00
PCC-Allegro	10	411.97	194.06	2.97
PCC-Expr	10	178.37	204.01	0.70
QUIC Cubic	7	43.50	111.76	0.00
SCReAM	10	0.21	112.23	0.00
Sprout	10	0.20	112.27	0.00
TaoVA-100x	10	93.02	121.57	0.03
TCP Vegas	10	55.85	117.85	0.00
Verus	10	141.15	243.81	6.10
PCC-Vivace	10	206.28	129.59	0.39
WebRTC media	10	1.89	112.09	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 20:11:22

End at: 2018-08-09 20:11:52

Local clock offset: -0.035 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-10 00:04:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.06 Mbit/s

95th percentile per-packet one-way delay: 298.983 ms

Loss rate: 13.77%

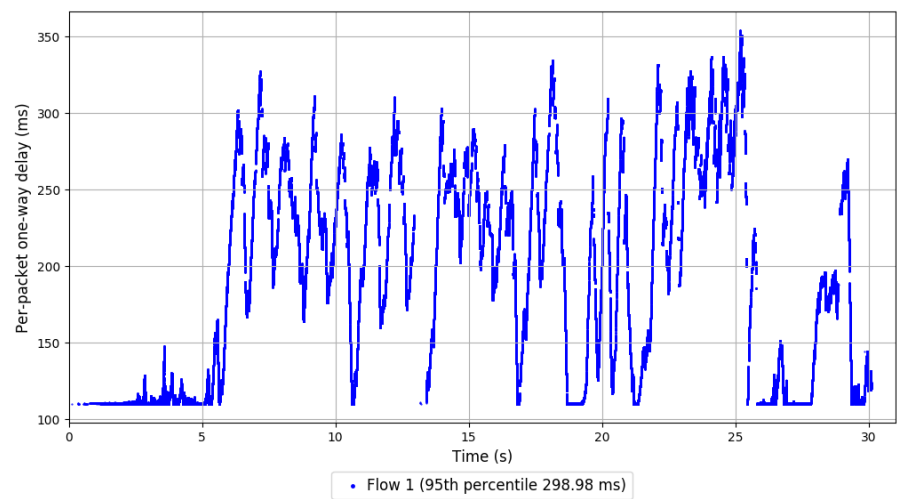
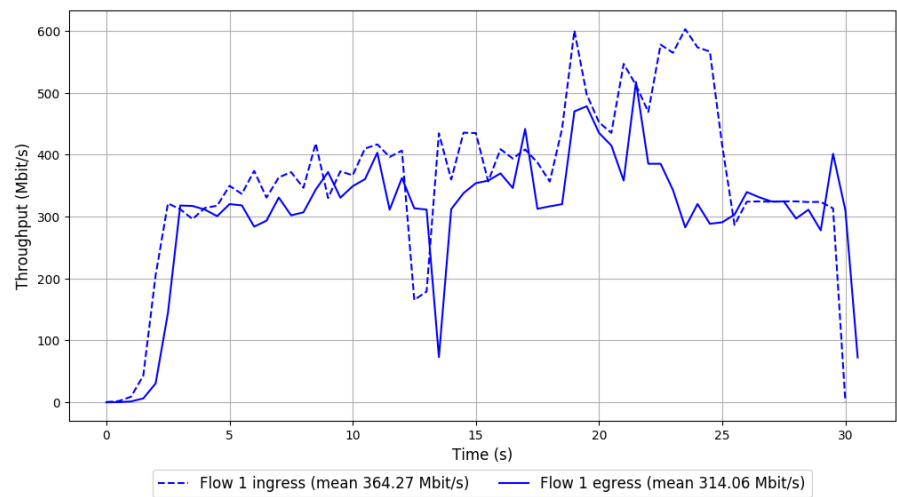
-- Flow 1:

Average throughput: 314.06 Mbit/s

95th percentile per-packet one-way delay: 298.983 ms

Loss rate: 13.77%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-09 20:33:30

End at: 2018-08-09 20:34:00

Local clock offset: -0.023 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-08-10 00:04:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.77 Mbit/s

95th percentile per-packet one-way delay: 300.010 ms

Loss rate: 9.20%

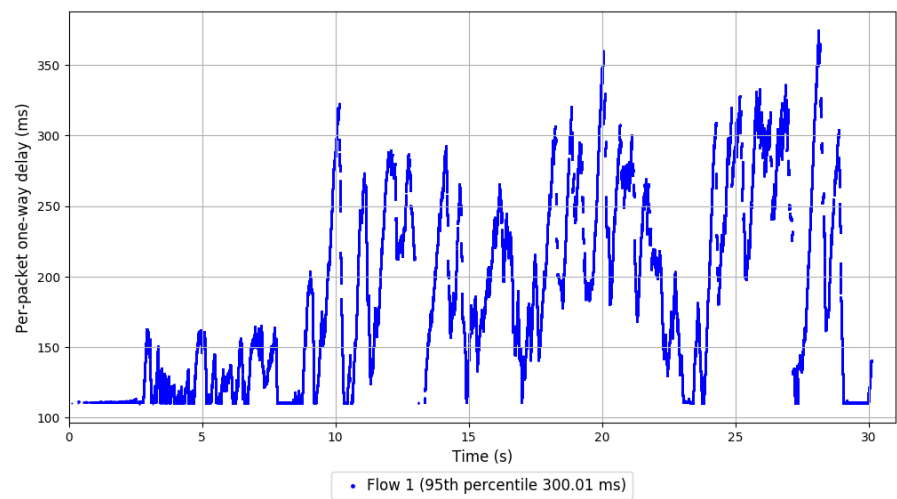
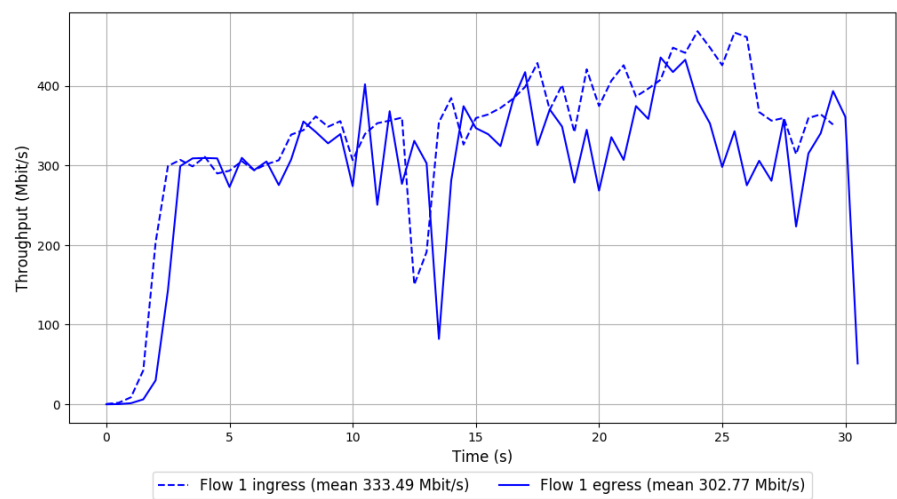
-- Flow 1:

Average throughput: 302.77 Mbit/s

95th percentile per-packet one-way delay: 300.010 ms

Loss rate: 9.20%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-09 20:55:28

End at: 2018-08-09 20:55:58

Local clock offset: 0.413 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-08-10 00:04:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.33 Mbit/s

95th percentile per-packet one-way delay: 295.685 ms

Loss rate: 5.41%

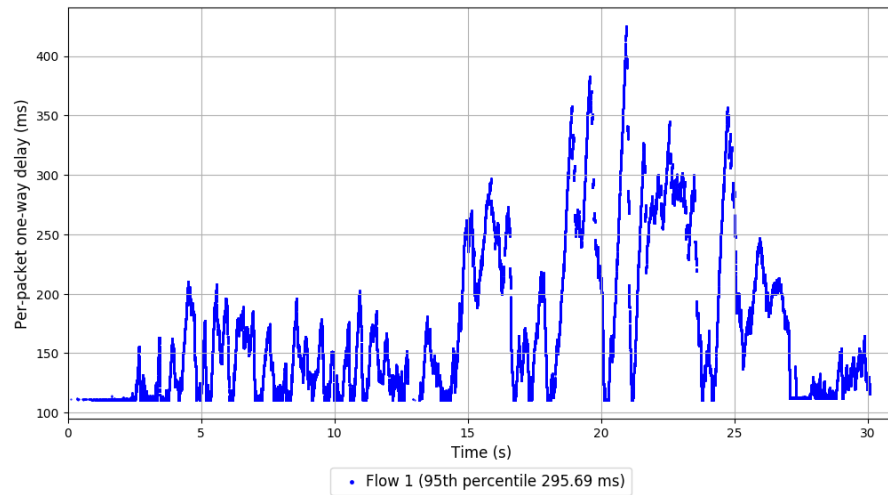
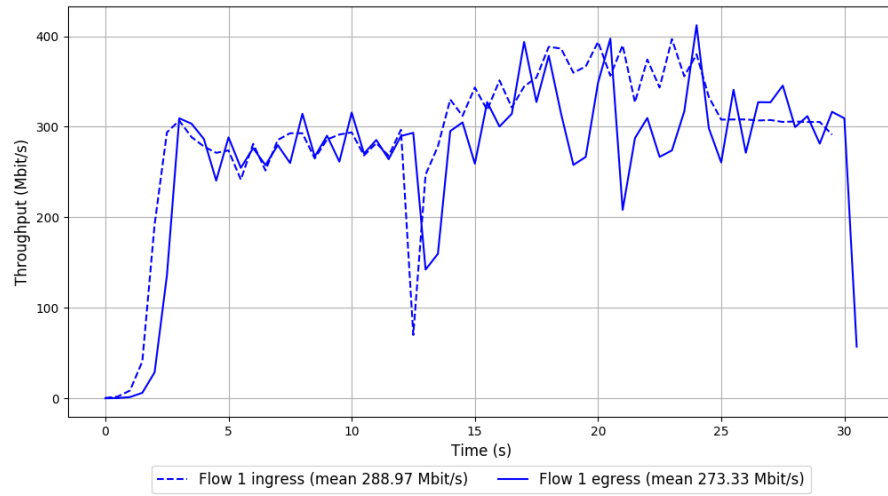
-- Flow 1:

Average throughput: 273.33 Mbit/s

95th percentile per-packet one-way delay: 295.685 ms

Loss rate: 5.41%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-09 21:17:37

End at: 2018-08-09 21:18:07

Local clock offset: 0.472 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-08-10 00:04:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.81 Mbit/s

95th percentile per-packet one-way delay: 282.783 ms

Loss rate: 8.47%

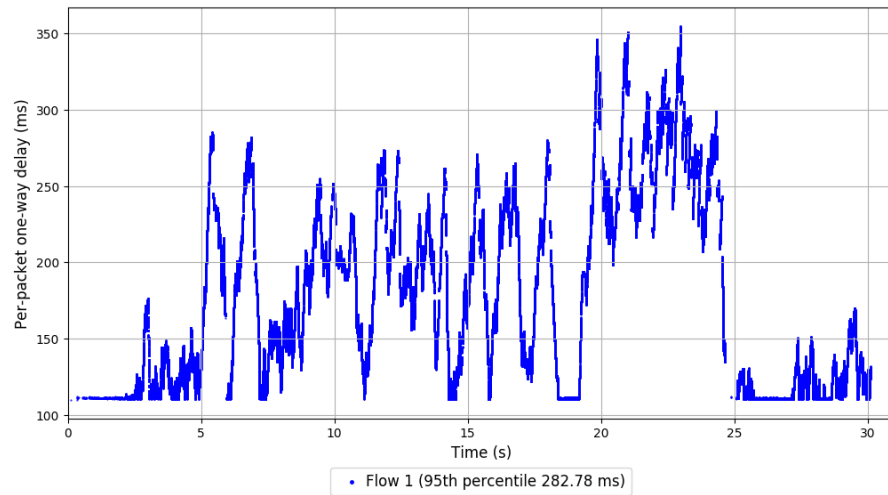
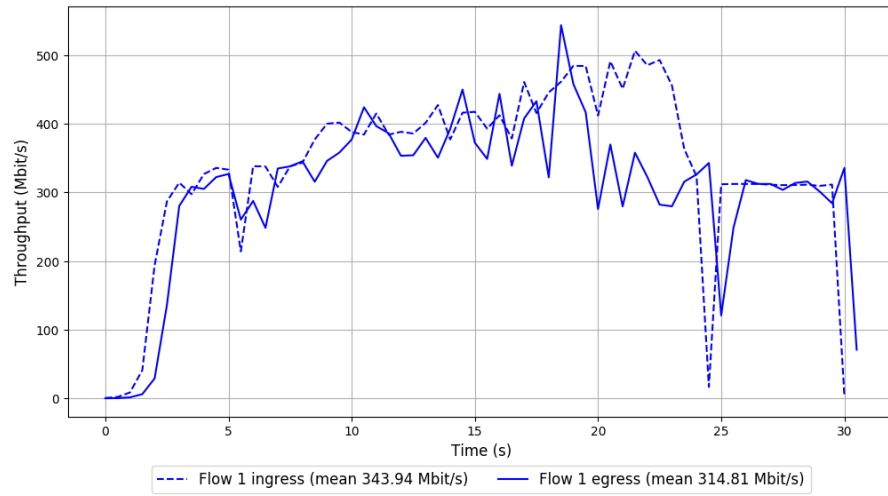
-- Flow 1:

Average throughput: 314.81 Mbit/s

95th percentile per-packet one-way delay: 282.783 ms

Loss rate: 8.47%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 21:39:47

End at: 2018-08-09 21:40:17

Local clock offset: -0.05 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-08-10 00:06:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 424.70 Mbit/s

95th percentile per-packet one-way delay: 208.788 ms

Loss rate: 4.66%

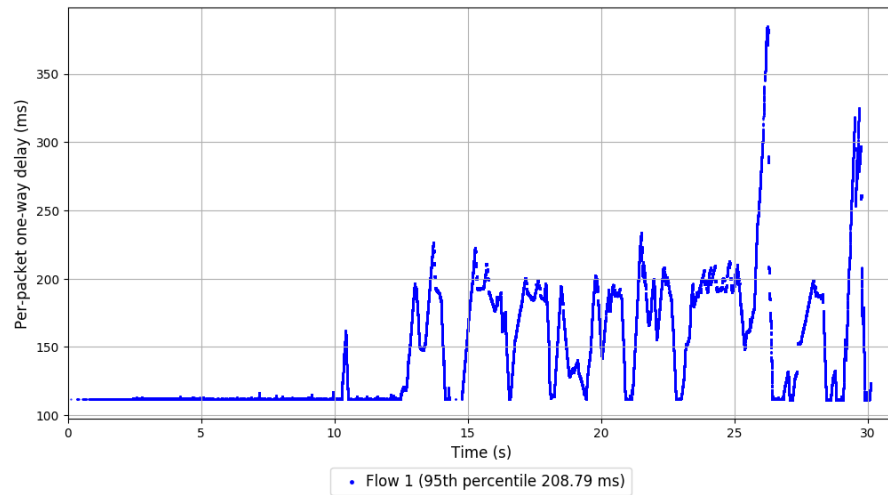
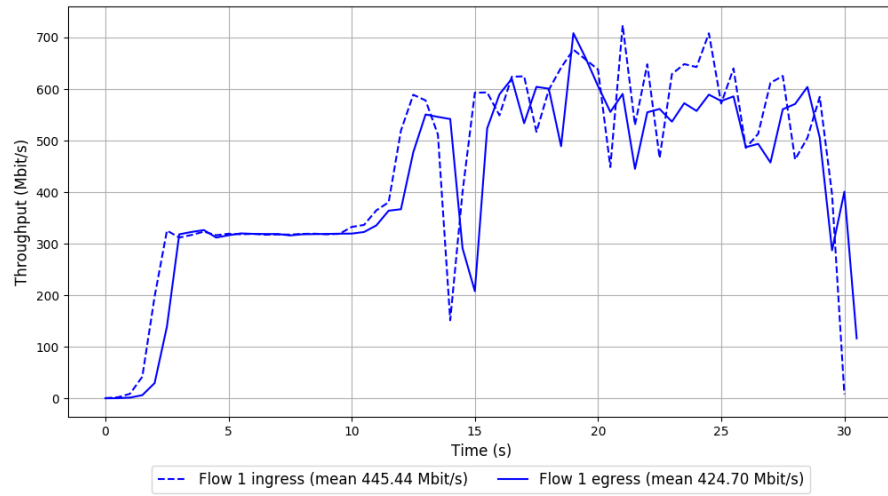
-- Flow 1:

Average throughput: 424.70 Mbit/s

95th percentile per-packet one-way delay: 208.788 ms

Loss rate: 4.66%

Run 5: Report of TCP BBR — Data Link

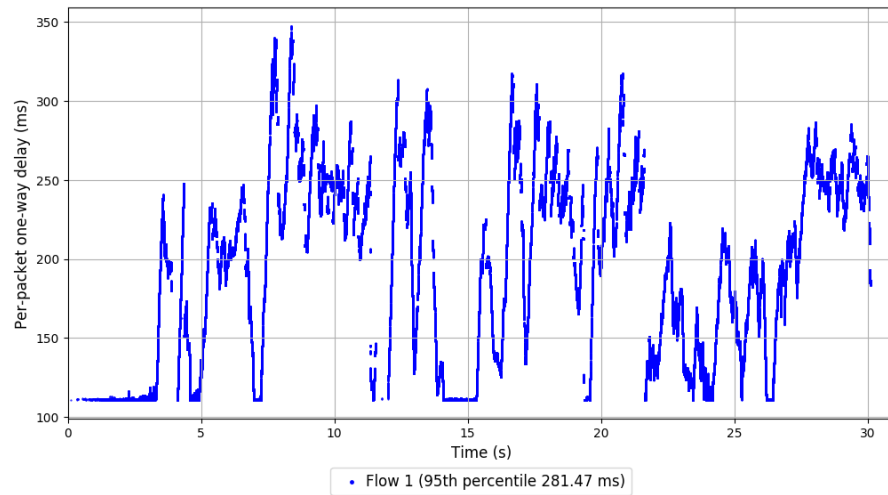
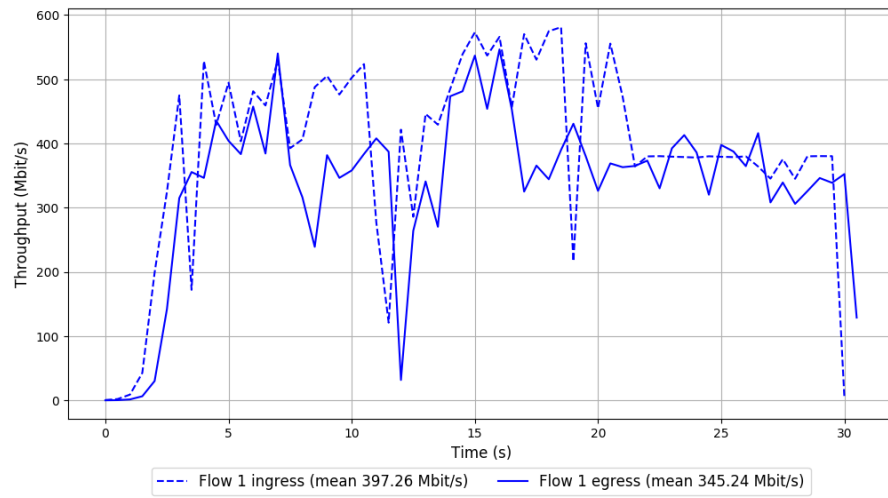


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 22:02:11
End at: 2018-08-09 22:02:41
Local clock offset: -0.069 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-10 00:06:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.24 Mbit/s
95th percentile per-packet one-way delay: 281.471 ms
Loss rate: 13.09%
-- Flow 1:
Average throughput: 345.24 Mbit/s
95th percentile per-packet one-way delay: 281.471 ms
Loss rate: 13.09%

Run 6: Report of TCP BBR — Data Link

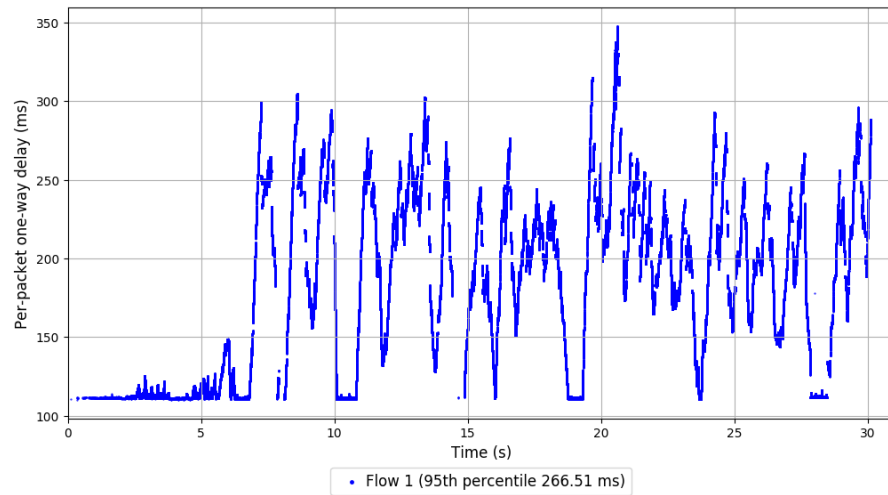
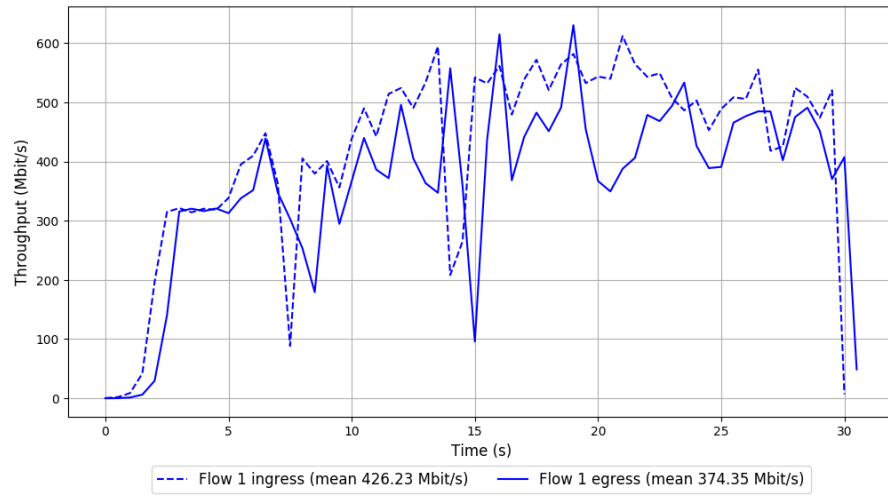


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 22:24:06
End at: 2018-08-09 22:24:36
Local clock offset: -0.045 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-10 00:06:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 374.35 Mbit/s
95th percentile per-packet one-way delay: 266.515 ms
Loss rate: 12.17%
-- Flow 1:
Average throughput: 374.35 Mbit/s
95th percentile per-packet one-way delay: 266.515 ms
Loss rate: 12.17%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 22:46:07

End at: 2018-08-09 22:46:37

Local clock offset: 0.011 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-10 00:06:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.88 Mbit/s

95th percentile per-packet one-way delay: 270.648 ms

Loss rate: 8.05%

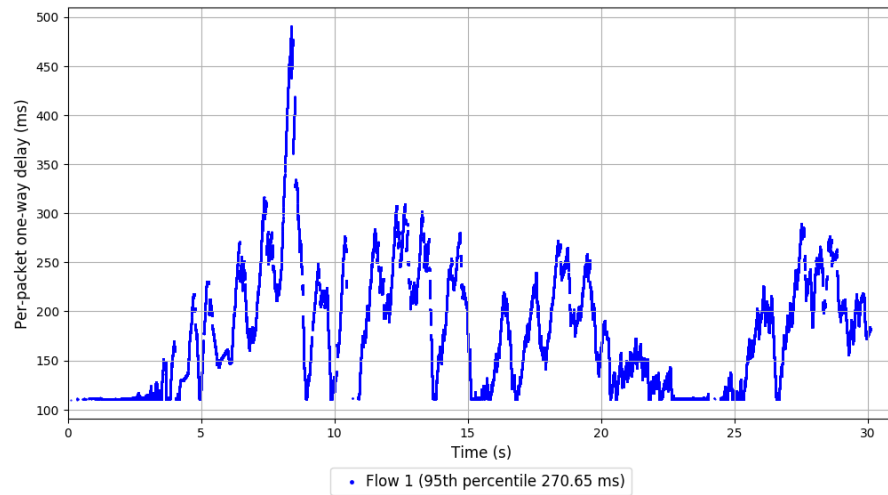
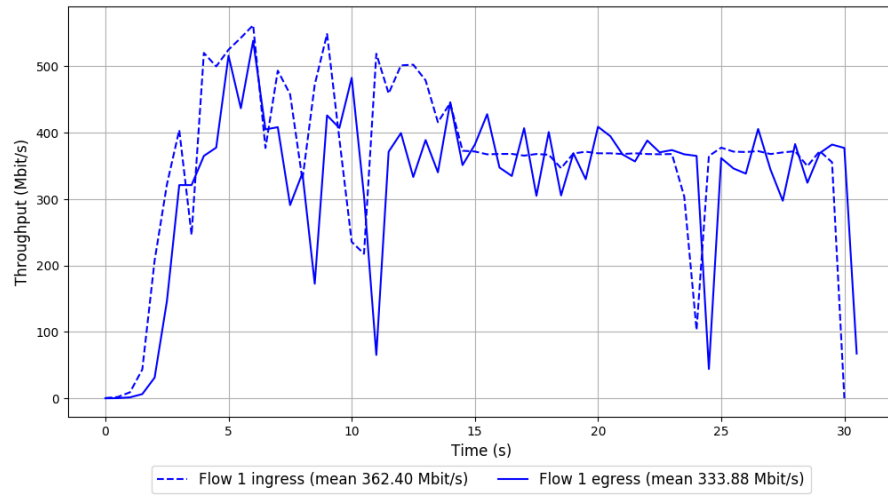
-- Flow 1:

Average throughput: 333.88 Mbit/s

95th percentile per-packet one-way delay: 270.648 ms

Loss rate: 8.05%

Run 8: Report of TCP BBR — Data Link

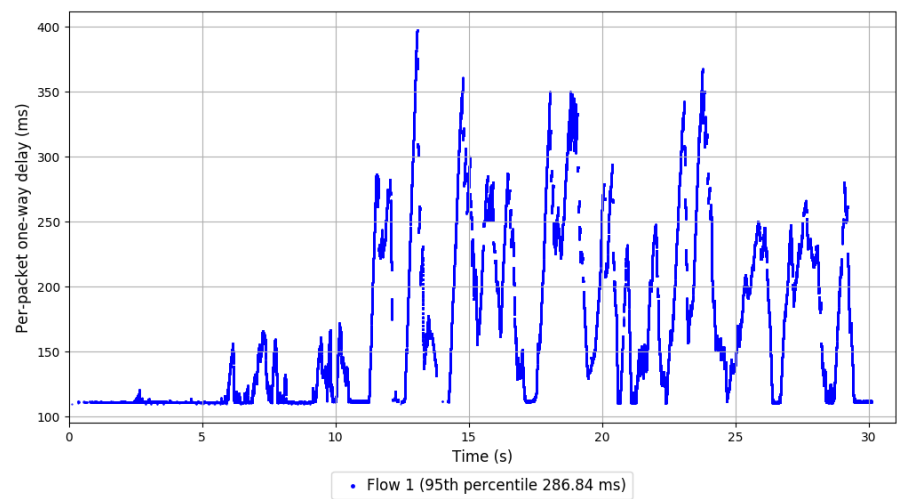
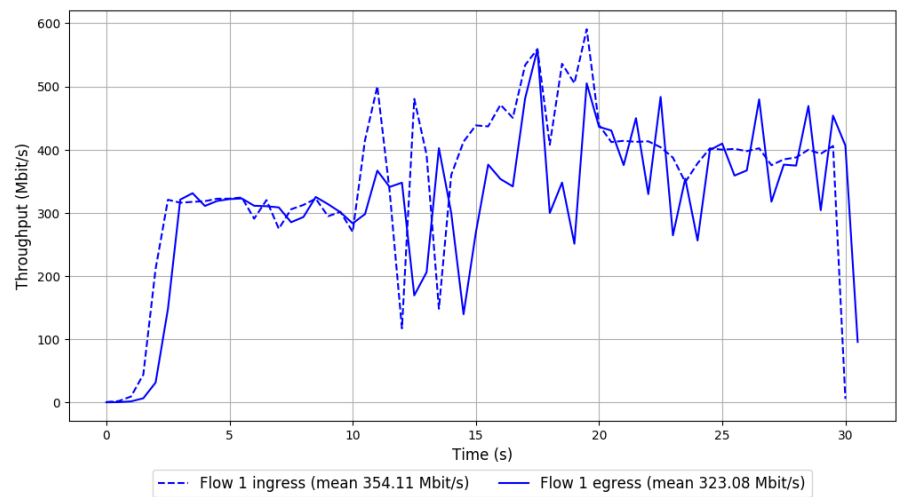


Run 9: Statistics of TCP BBR

Start at: 2018-08-09 23:08:14
End at: 2018-08-09 23:08:44
Local clock offset: -0.116 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-10 00:09:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 323.08 Mbit/s
95th percentile per-packet one-way delay: 286.838 ms
Loss rate: 8.76%
-- Flow 1:
Average throughput: 323.08 Mbit/s
95th percentile per-packet one-way delay: 286.838 ms
Loss rate: 8.76%

Run 9: Report of TCP BBR — Data Link

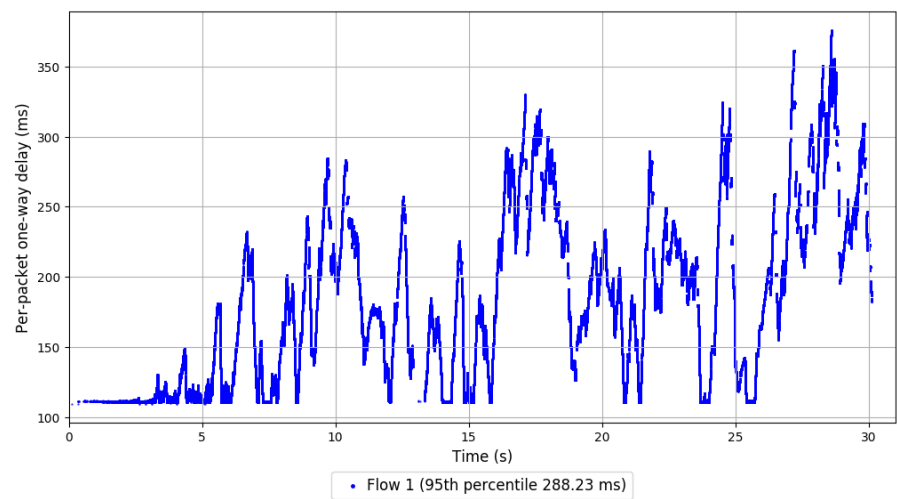
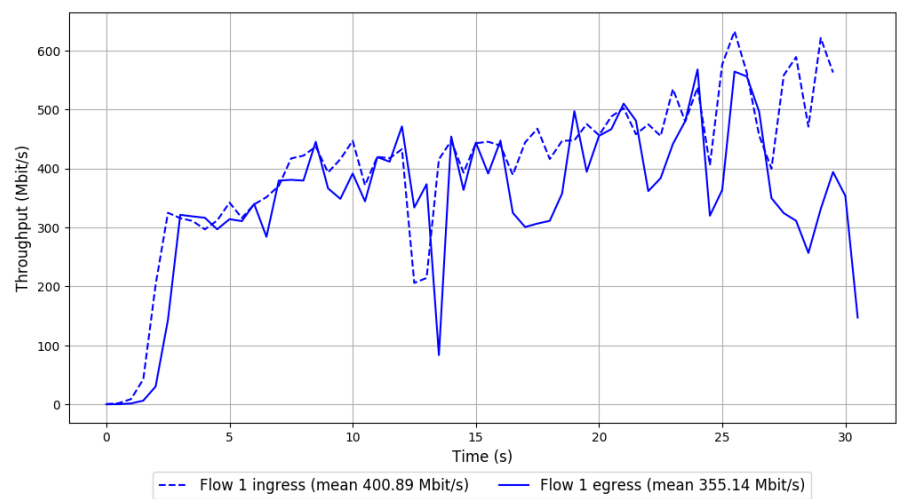


Run 10: Statistics of TCP BBR

Start at: 2018-08-09 23:30:45
End at: 2018-08-09 23:31:15
Local clock offset: 0.04 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-08-10 00:10:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.14 Mbit/s
95th percentile per-packet one-way delay: 288.231 ms
Loss rate: 11.24%
-- Flow 1:
Average throughput: 355.14 Mbit/s
95th percentile per-packet one-way delay: 288.231 ms
Loss rate: 11.24%

Run 10: Report of TCP BBR — Data Link

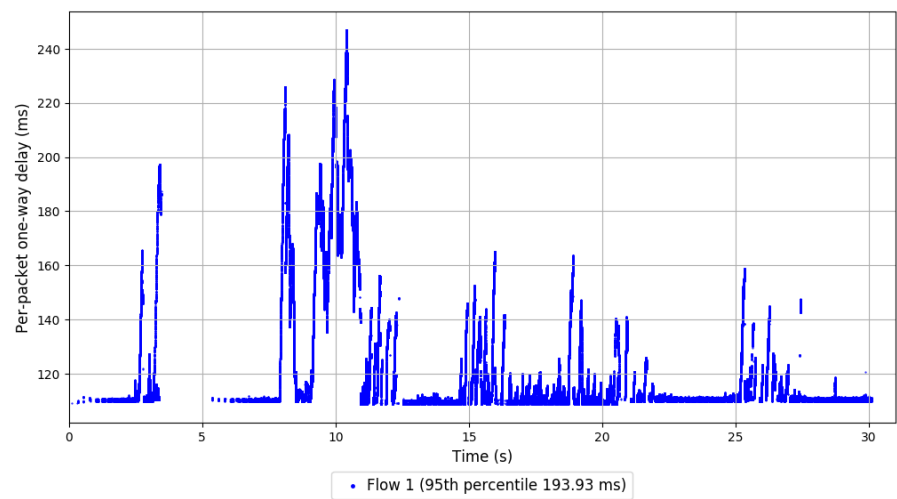
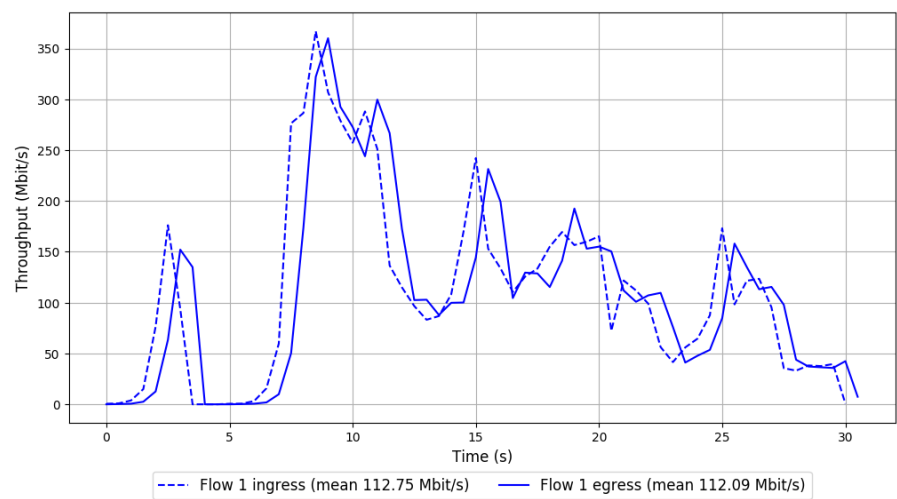


Run 1: Statistics of Copa

Start at: 2018-08-09 20:22:13
End at: 2018-08-09 20:22:43
Local clock offset: 0.786 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-10 00:10:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.09 Mbit/s
95th percentile per-packet one-way delay: 193.934 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 112.09 Mbit/s
95th percentile per-packet one-way delay: 193.934 ms
Loss rate: 0.58%

Run 1: Report of Copa — Data Link

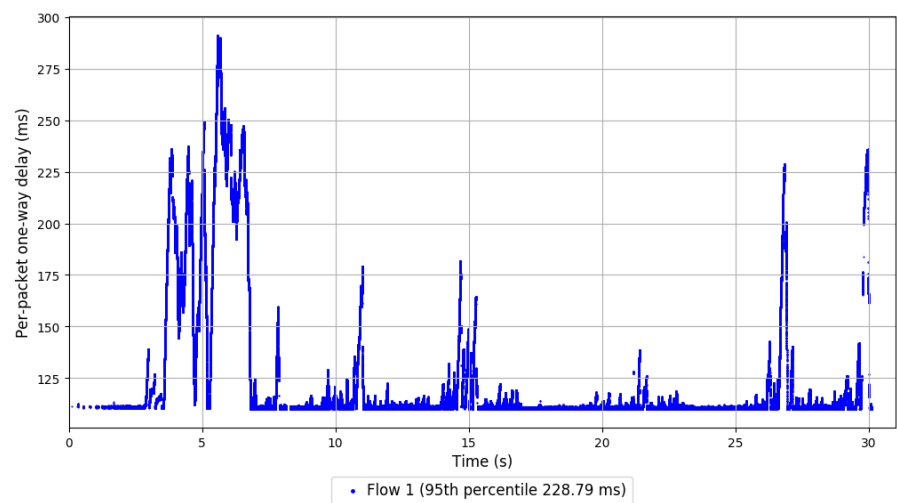
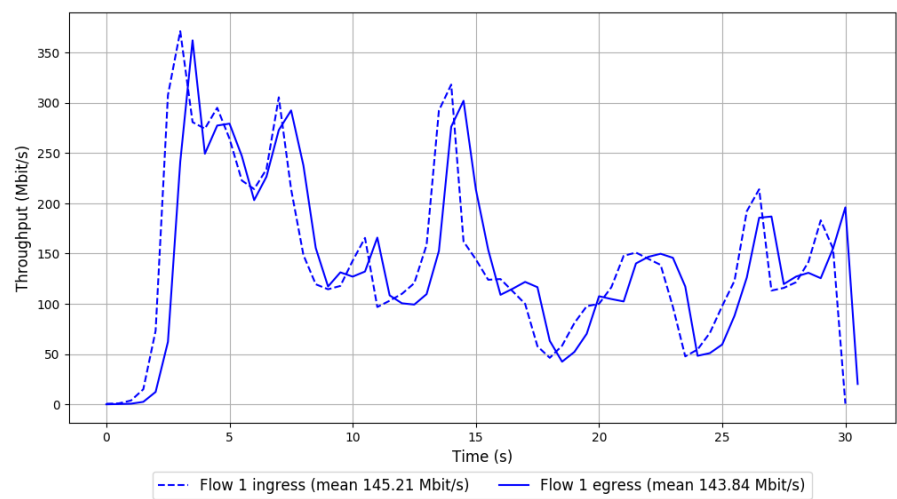


Run 2: Statistics of Copa

Start at: 2018-08-09 20:44:17
End at: 2018-08-09 20:44:47
Local clock offset: -0.35 ms
Remote clock offset: -0.582 ms

Below is generated by plot.py at 2018-08-10 00:10:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.84 Mbit/s
95th percentile per-packet one-way delay: 228.788 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 143.84 Mbit/s
95th percentile per-packet one-way delay: 228.788 ms
Loss rate: 0.94%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-09 21:06:07

End at: 2018-08-09 21:06:37

Local clock offset: -0.506 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-08-10 00:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.58 Mbit/s

95th percentile per-packet one-way delay: 145.038 ms

Loss rate: 0.07%

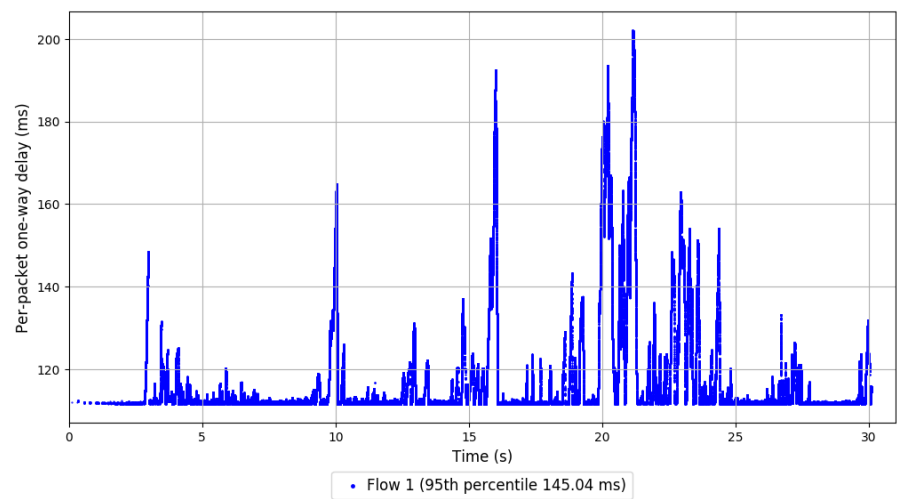
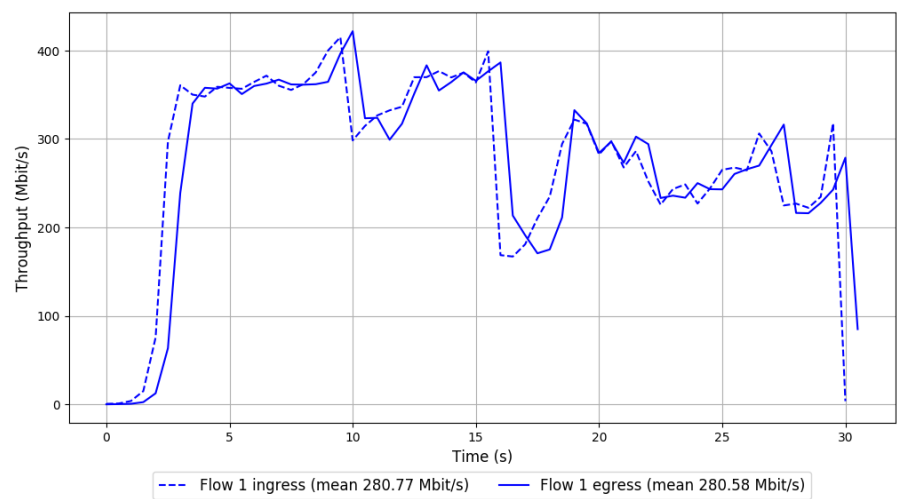
-- Flow 1:

Average throughput: 280.58 Mbit/s

95th percentile per-packet one-way delay: 145.038 ms

Loss rate: 0.07%

Run 3: Report of Copa — Data Link

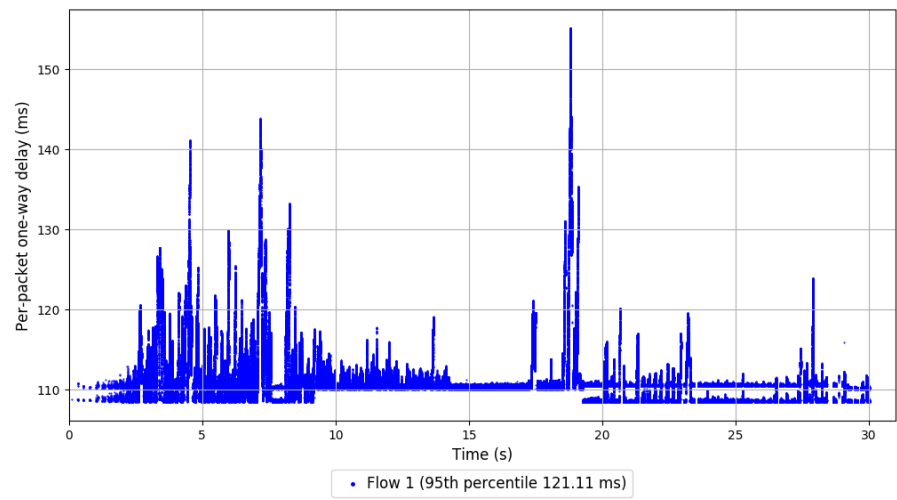
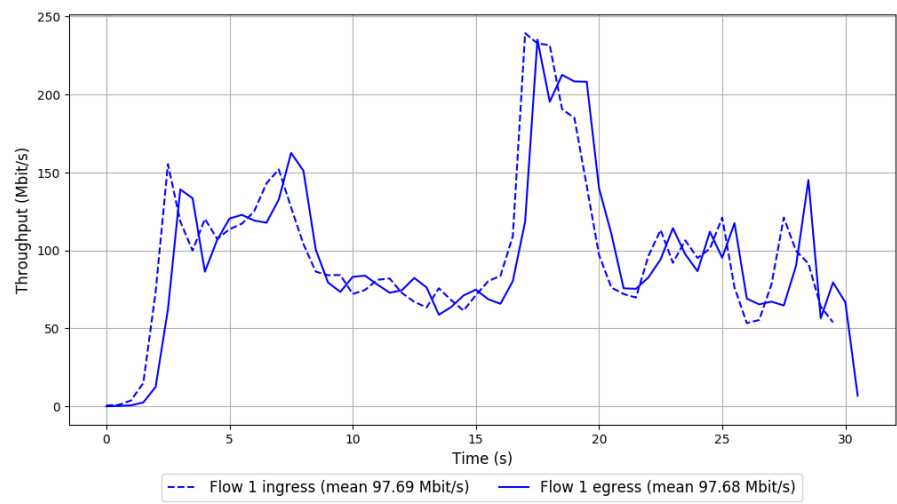


Run 4: Statistics of Copa

Start at: 2018-08-09 21:28:34
End at: 2018-08-09 21:29:04
Local clock offset: 0.558 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-08-10 00:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.68 Mbit/s
95th percentile per-packet one-way delay: 121.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.68 Mbit/s
95th percentile per-packet one-way delay: 121.105 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

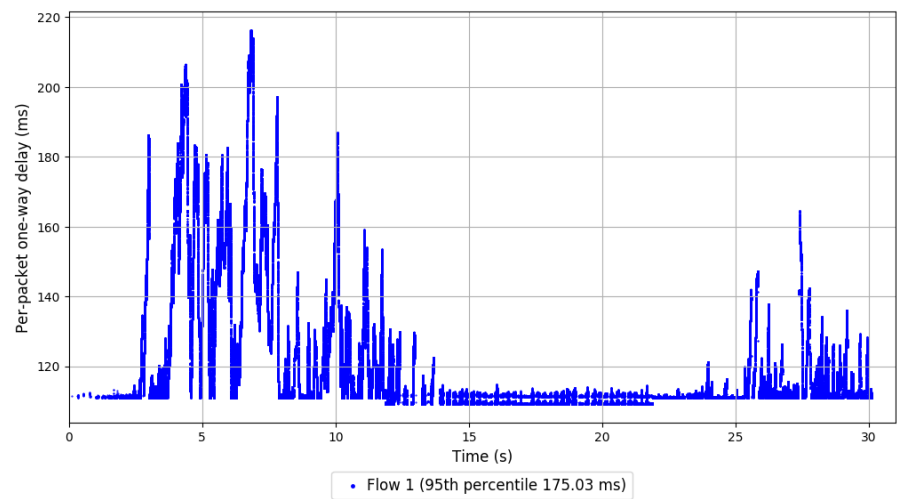
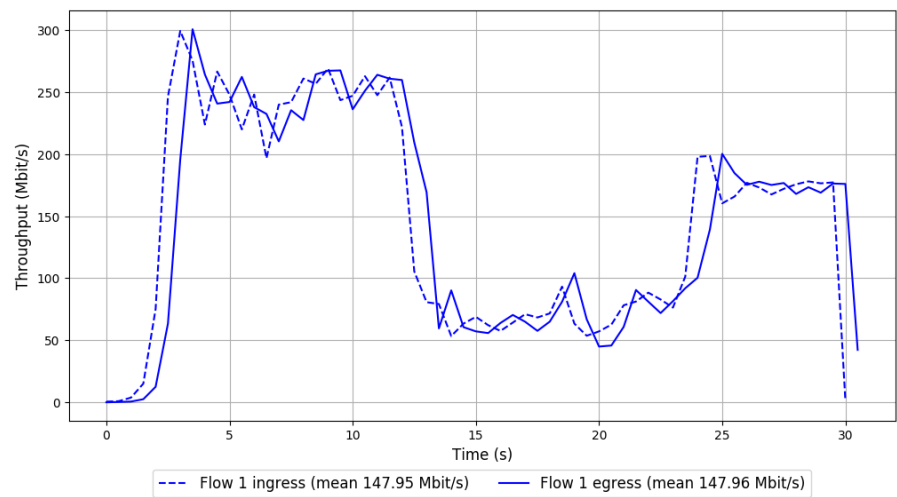


Run 5: Statistics of Copa

Start at: 2018-08-09 21:50:52
End at: 2018-08-09 21:51:22
Local clock offset: -0.246 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-10 00:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.96 Mbit/s
95th percentile per-packet one-way delay: 175.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.96 Mbit/s
95th percentile per-packet one-way delay: 175.031 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

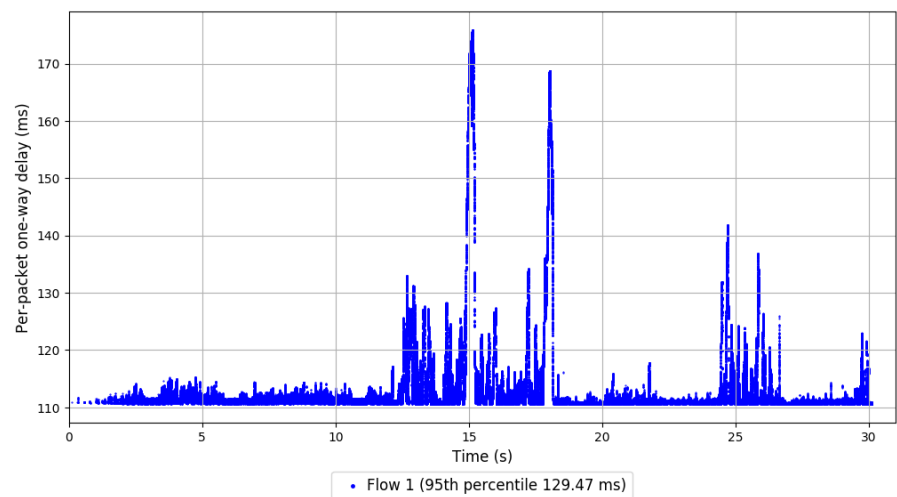
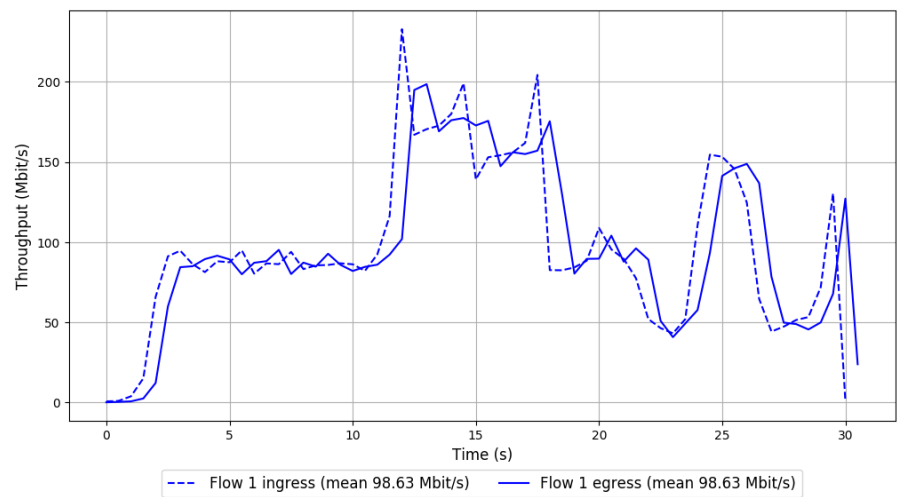


Run 6: Statistics of Copa

Start at: 2018-08-09 22:13:02
End at: 2018-08-09 22:13:32
Local clock offset: 0.188 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-10 00:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.63 Mbit/s
95th percentile per-packet one-way delay: 129.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.63 Mbit/s
95th percentile per-packet one-way delay: 129.468 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-09 22:34:58

End at: 2018-08-09 22:35:29

Local clock offset: 0.915 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-08-10 00:13:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.75 Mbit/s

95th percentile per-packet one-way delay: 254.122 ms

Loss rate: 0.80%

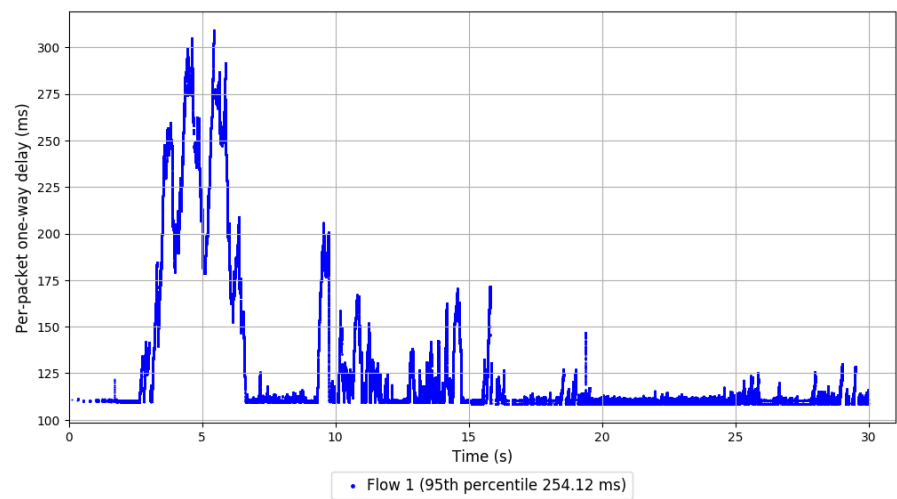
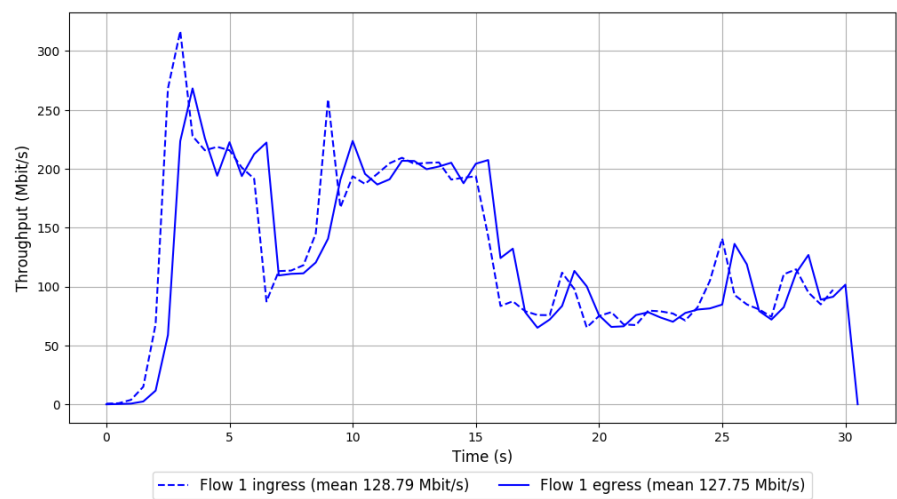
-- Flow 1:

Average throughput: 127.75 Mbit/s

95th percentile per-packet one-way delay: 254.122 ms

Loss rate: 0.80%

Run 7: Report of Copa — Data Link

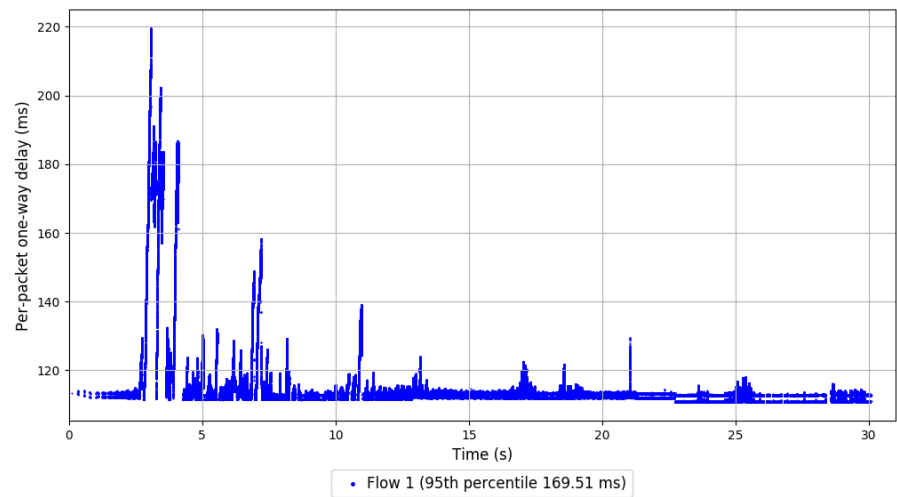
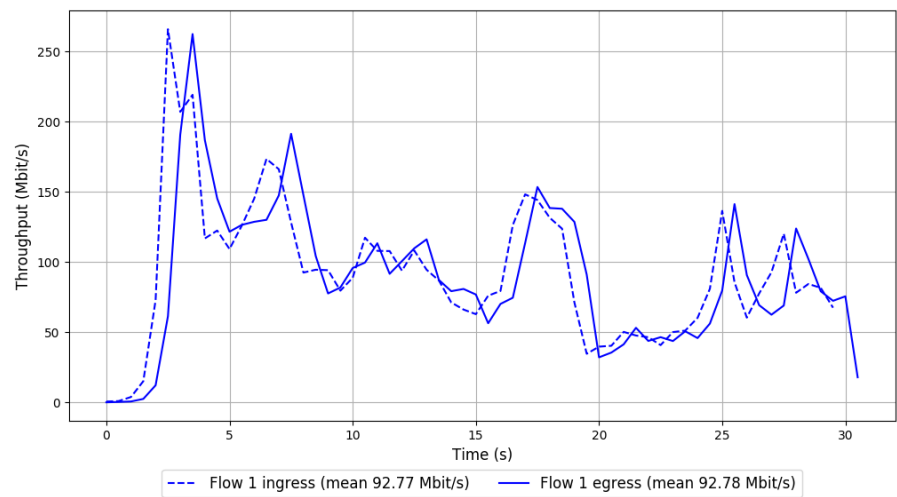


Run 8: Statistics of Copa

Start at: 2018-08-09 22:57:01
End at: 2018-08-09 22:57:31
Local clock offset: -1.292 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-10 00:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 169.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 169.510 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

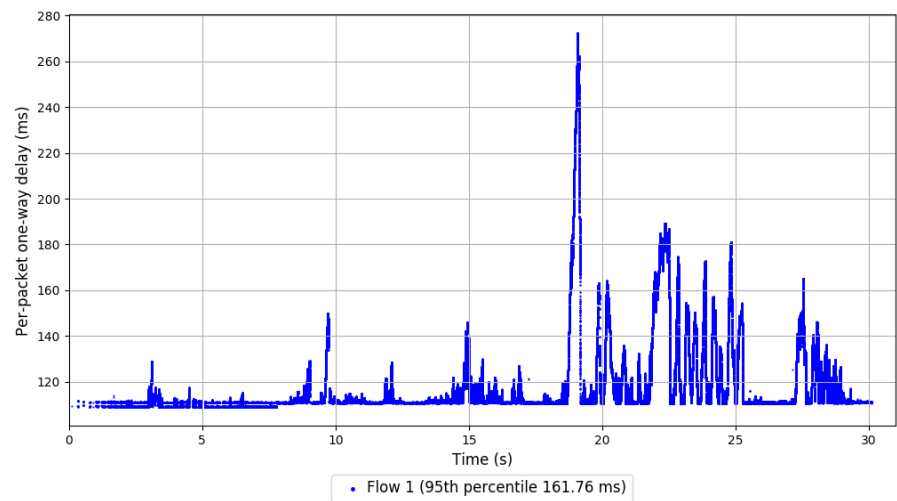
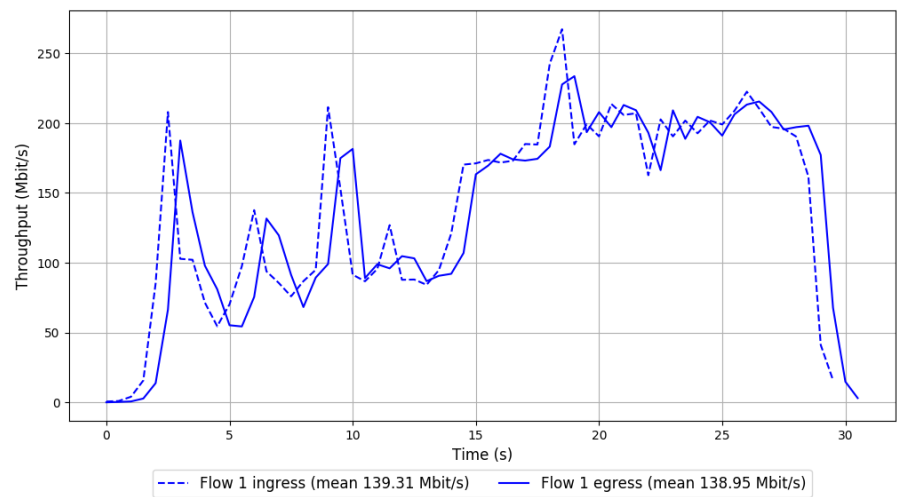


Run 9: Statistics of Copa

Start at: 2018-08-09 23:19:26
End at: 2018-08-09 23:19:56
Local clock offset: 0.039 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-08-10 00:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.95 Mbit/s
95th percentile per-packet one-way delay: 161.765 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 138.95 Mbit/s
95th percentile per-packet one-way delay: 161.765 ms
Loss rate: 0.25%

Run 9: Report of Copa — Data Link

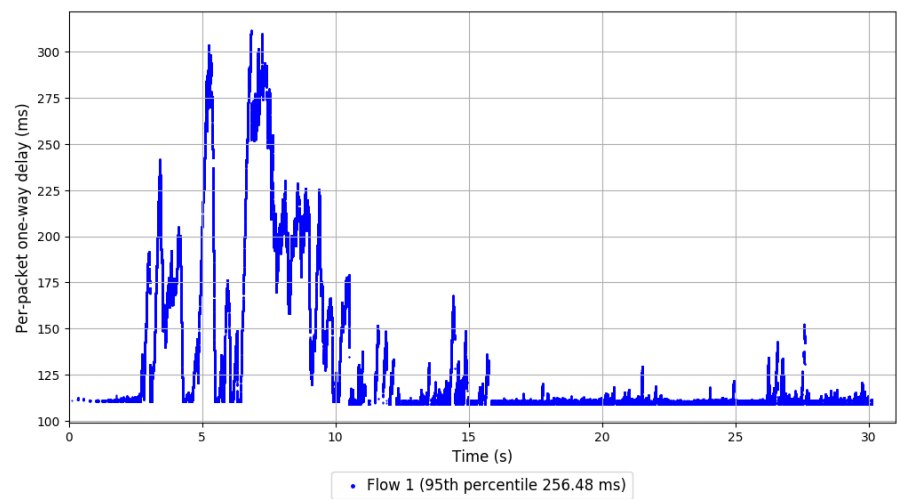
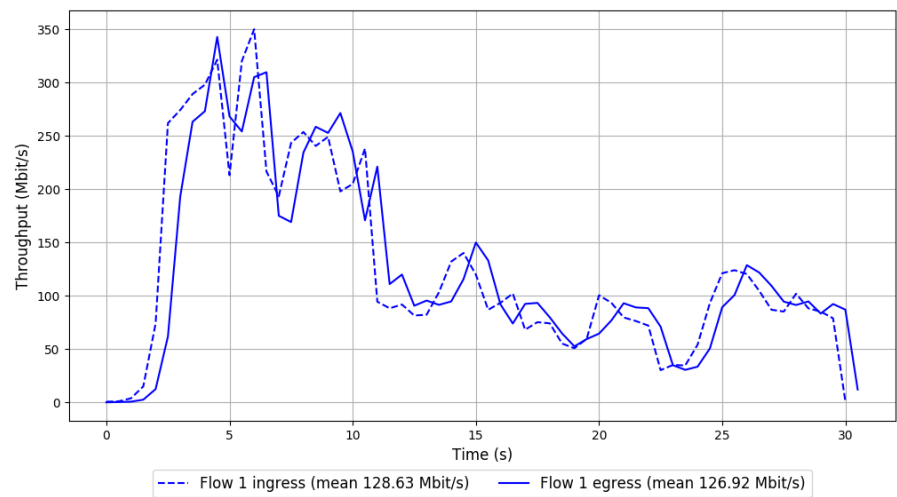


Run 10: Statistics of Copa

Start at: 2018-08-09 23:41:35
End at: 2018-08-09 23:42:06
Local clock offset: -0.147 ms
Remote clock offset: -0.728 ms

Below is generated by plot.py at 2018-08-10 00:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.92 Mbit/s
95th percentile per-packet one-way delay: 256.481 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 126.92 Mbit/s
95th percentile per-packet one-way delay: 256.481 ms
Loss rate: 1.33%

Run 10: Report of Copa — Data Link

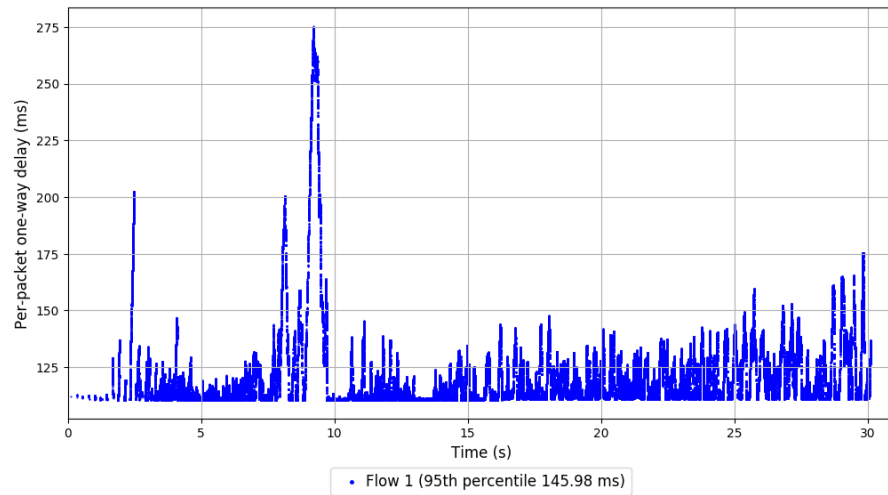
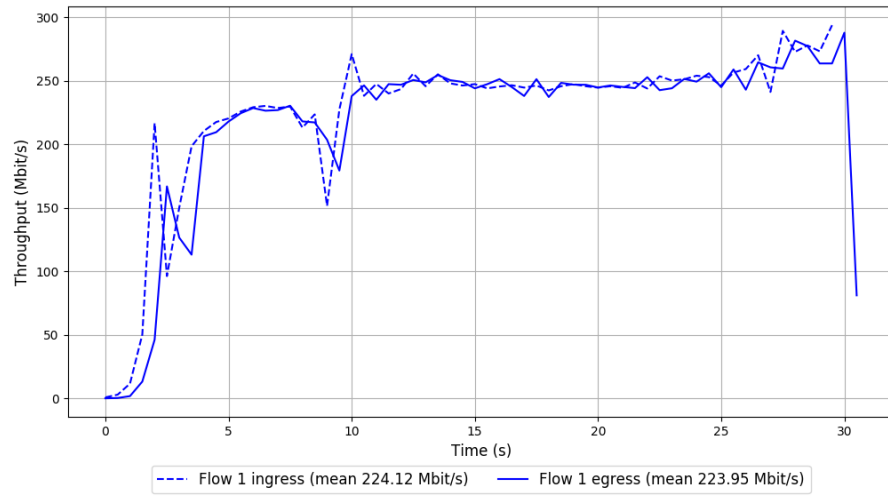


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 20:25:47
End at: 2018-08-09 20:26:17
Local clock offset: -0.784 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-10 00:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.95 Mbit/s
95th percentile per-packet one-way delay: 145.979 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 223.95 Mbit/s
95th percentile per-packet one-way delay: 145.979 ms
Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

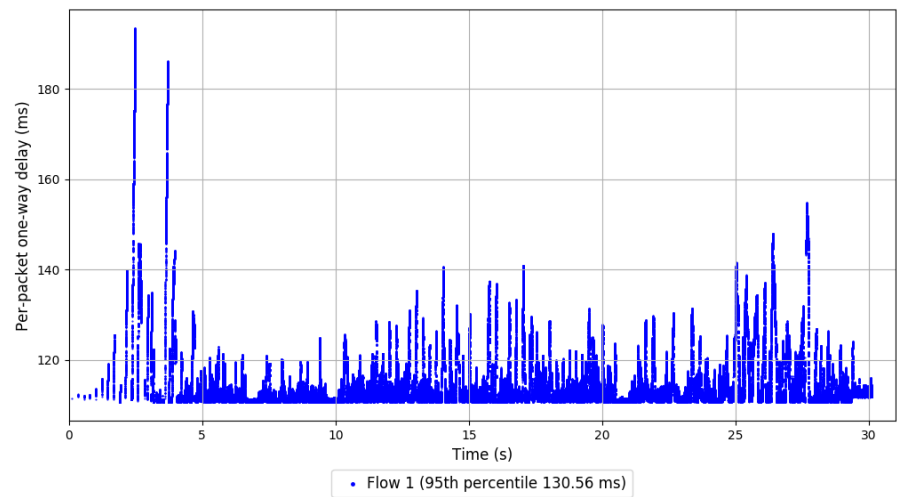
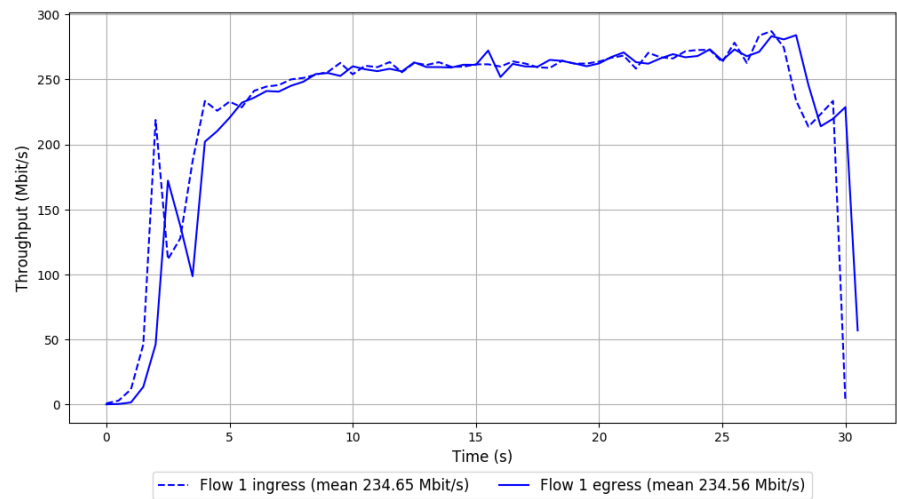


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 20:47:54
End at: 2018-08-09 20:48:24
Local clock offset: -0.909 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-08-10 00:14:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.56 Mbit/s
95th percentile per-packet one-way delay: 130.558 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 234.56 Mbit/s
95th percentile per-packet one-way delay: 130.558 ms
Loss rate: 0.04%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 21:09:57

End at: 2018-08-09 21:10:27

Local clock offset: -0.696 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-08-10 00:14:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.13 Mbit/s

95th percentile per-packet one-way delay: 117.822 ms

Loss rate: 0.01%

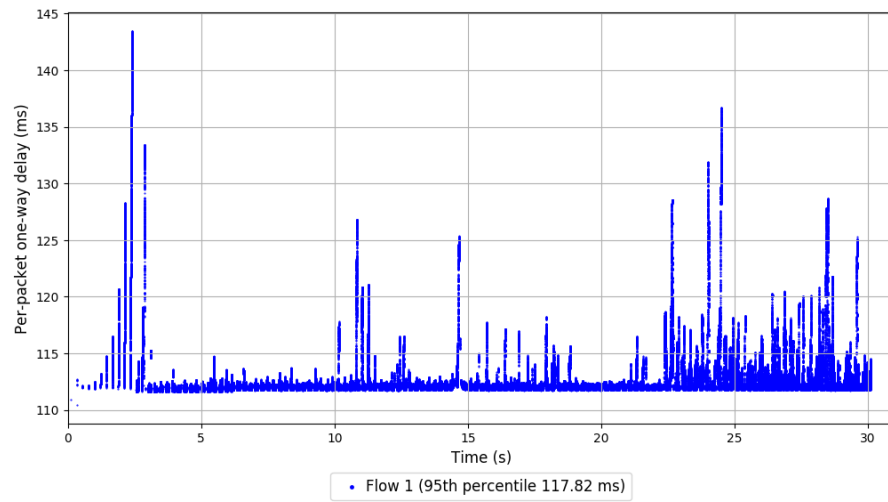
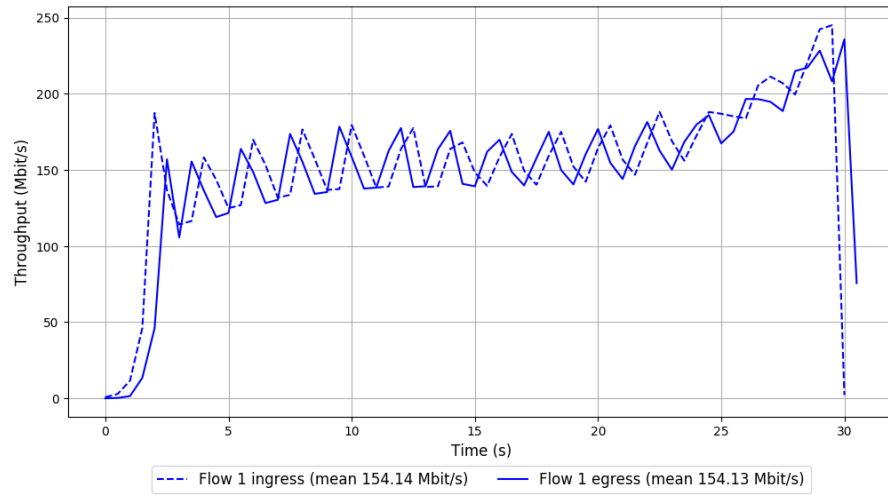
-- Flow 1:

Average throughput: 154.13 Mbit/s

95th percentile per-packet one-way delay: 117.822 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 21:32:07

End at: 2018-08-09 21:32:37

Local clock offset: -0.001 ms

Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-08-10 00:14:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.45 Mbit/s

95th percentile per-packet one-way delay: 119.001 ms

Loss rate: 0.00%

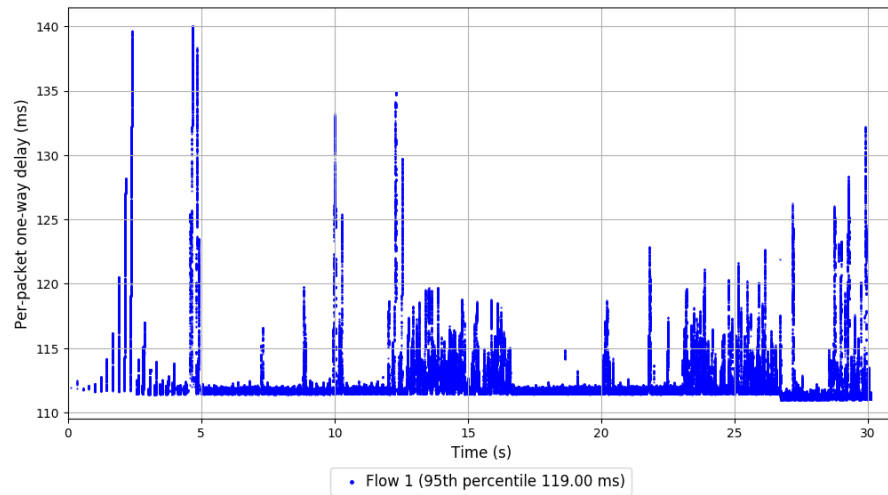
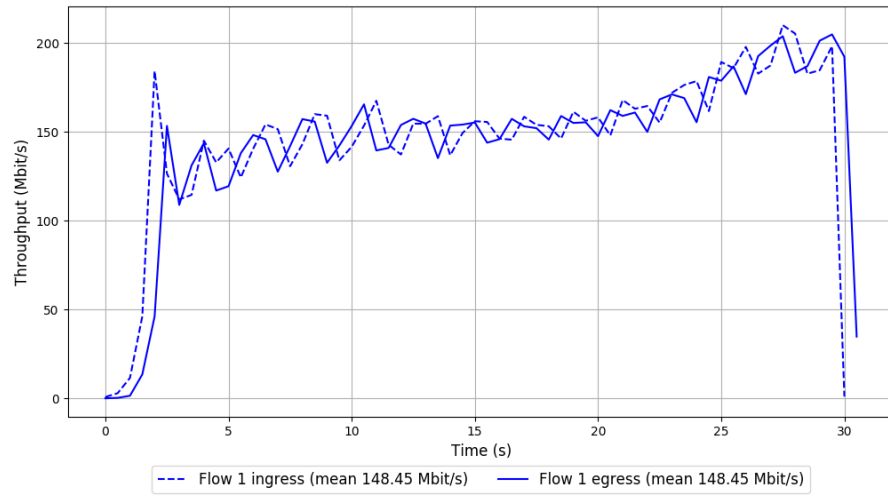
-- Flow 1:

Average throughput: 148.45 Mbit/s

95th percentile per-packet one-way delay: 119.001 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

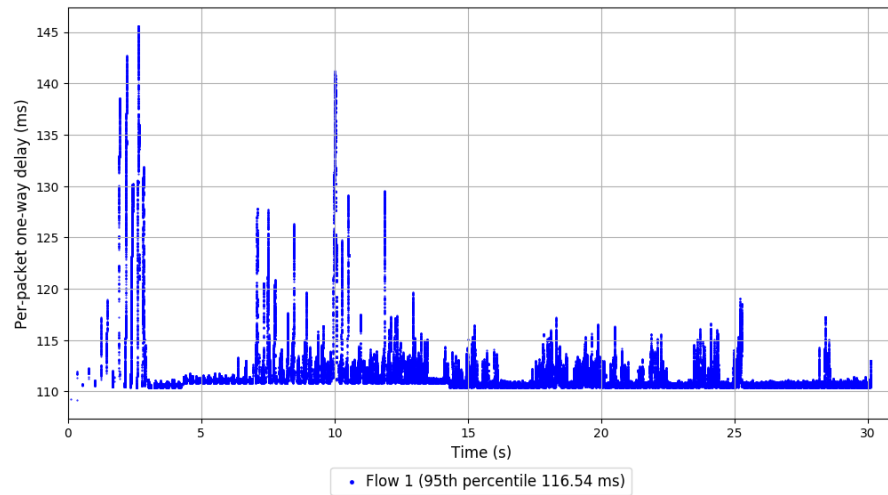
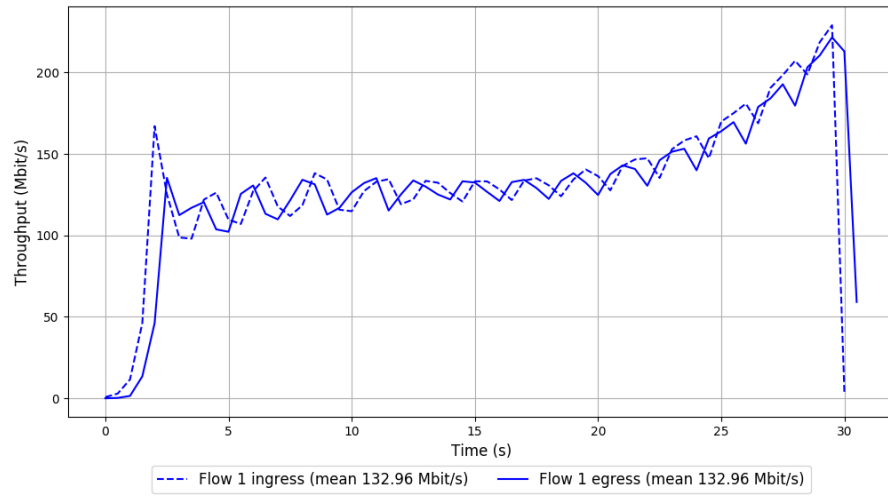


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 21:54:29
End at: 2018-08-09 21:54:59
Local clock offset: 0.216 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-10 00:14:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.96 Mbit/s
95th percentile per-packet one-way delay: 116.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.96 Mbit/s
95th percentile per-packet one-way delay: 116.541 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

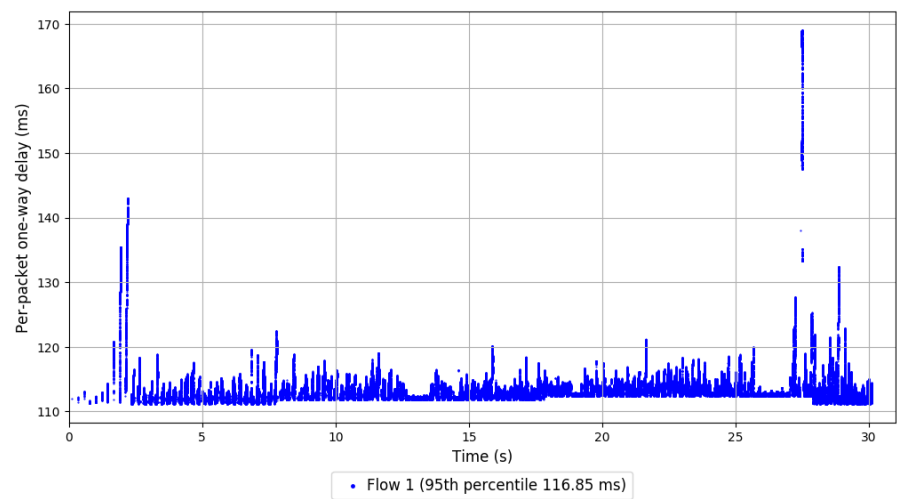
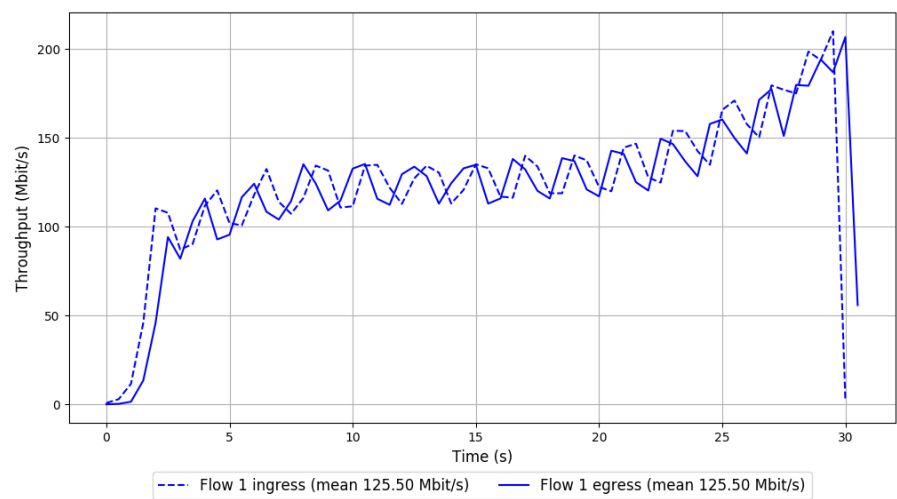


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 22:16:36
End at: 2018-08-09 22:17:06
Local clock offset: -0.437 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-08-10 00:15:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.50 Mbit/s
95th percentile per-packet one-way delay: 116.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.50 Mbit/s
95th percentile per-packet one-way delay: 116.847 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 22:38:33

End at: 2018-08-09 22:39:03

Local clock offset: -1.322 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-08-10 00:15:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.86 Mbit/s

95th percentile per-packet one-way delay: 119.954 ms

Loss rate: 0.02%

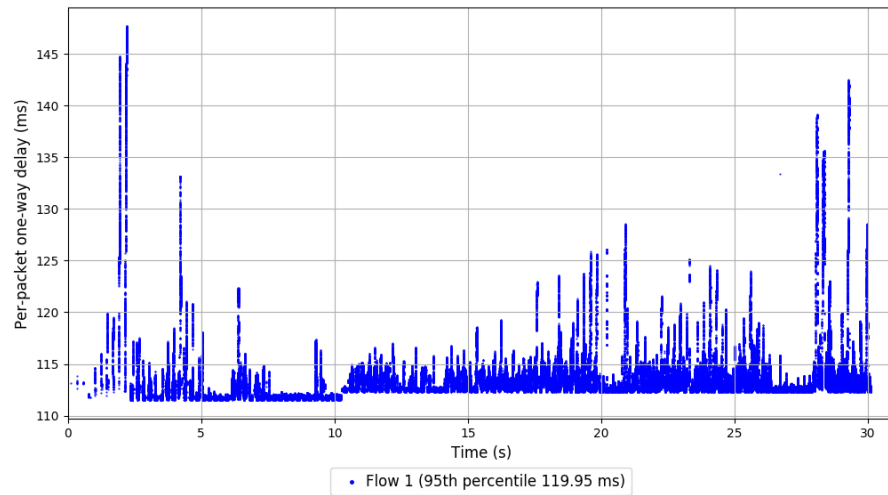
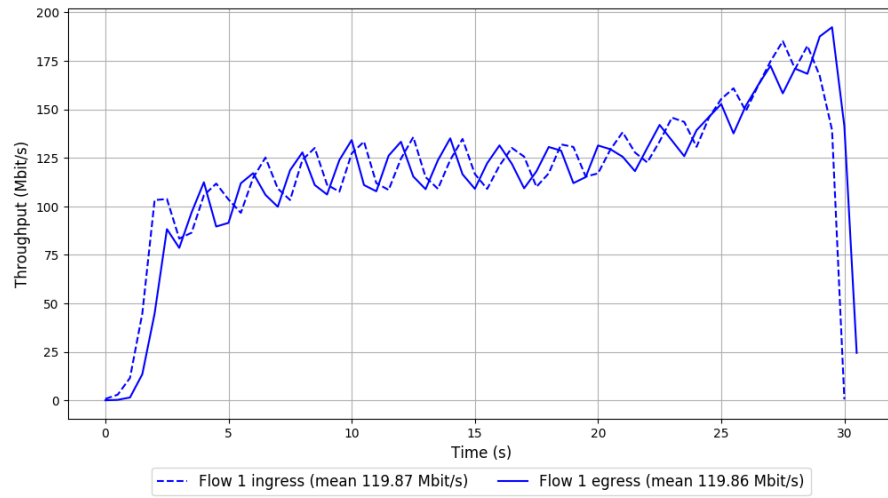
-- Flow 1:

Average throughput: 119.86 Mbit/s

95th percentile per-packet one-way delay: 119.954 ms

Loss rate: 0.02%

Run 7: Report of TCP Cubic — Data Link

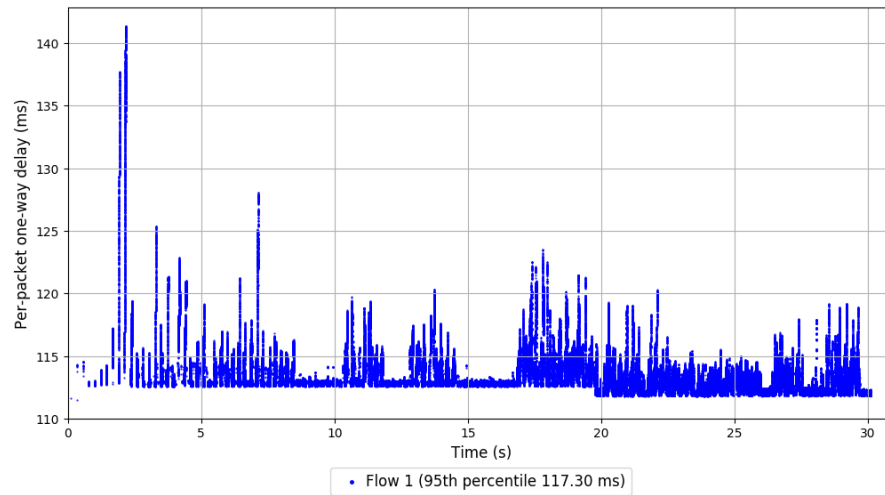
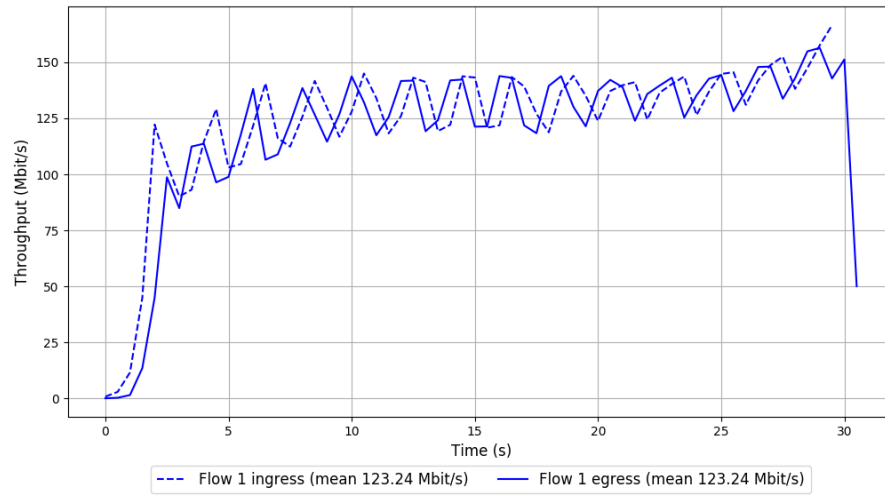


Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 23:00:34
End at: 2018-08-09 23:01:04
Local clock offset: -1.257 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-10 00:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.24 Mbit/s
95th percentile per-packet one-way delay: 117.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.24 Mbit/s
95th percentile per-packet one-way delay: 117.302 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

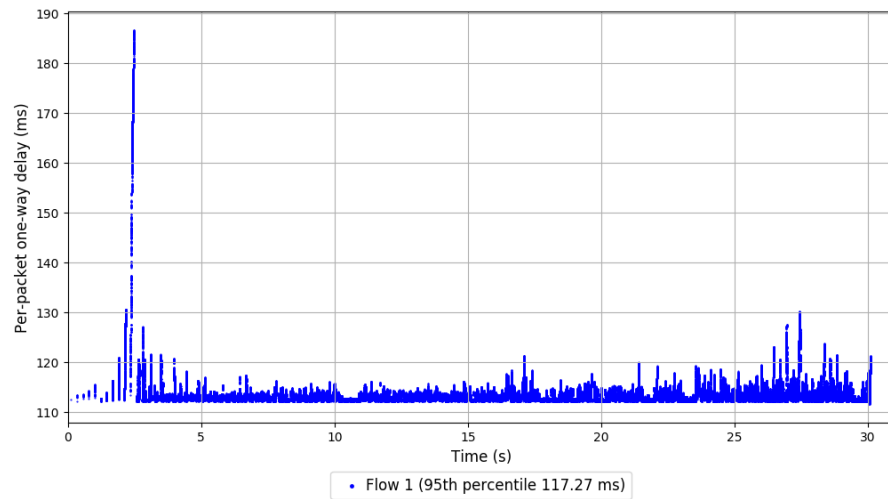
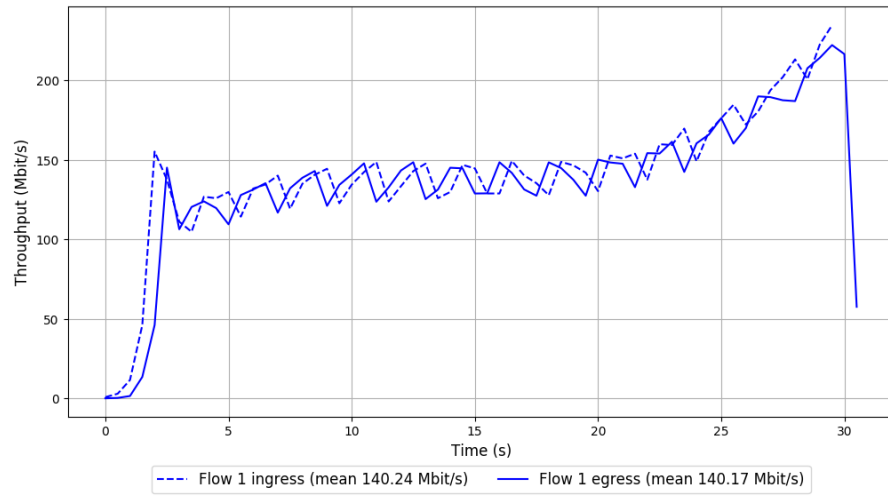


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 23:23:04
End at: 2018-08-09 23:23:34
Local clock offset: -1.35 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-08-10 00:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.17 Mbit/s
95th percentile per-packet one-way delay: 117.274 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 140.17 Mbit/s
95th percentile per-packet one-way delay: 117.274 ms
Loss rate: 0.05%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 23:45:12

End at: 2018-08-09 23:45:42

Local clock offset: -1.546 ms

Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-08-10 00:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.60 Mbit/s

95th percentile per-packet one-way delay: 118.222 ms

Loss rate: 0.23%

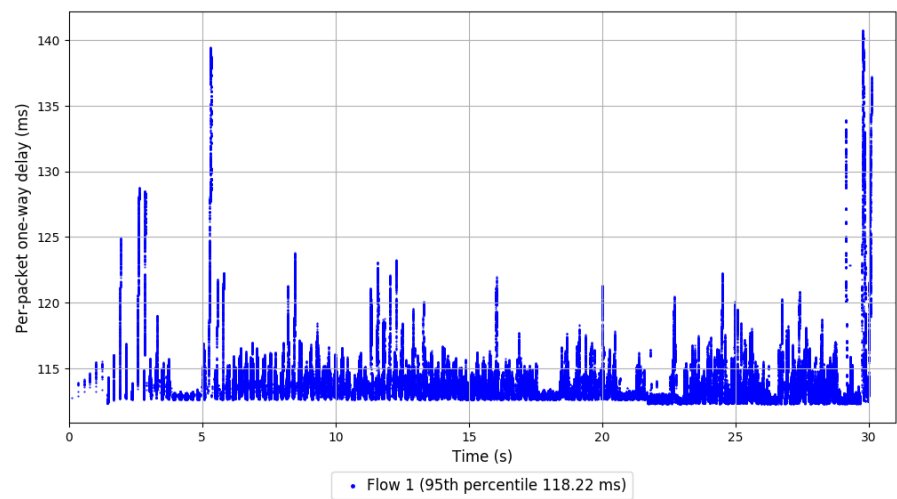
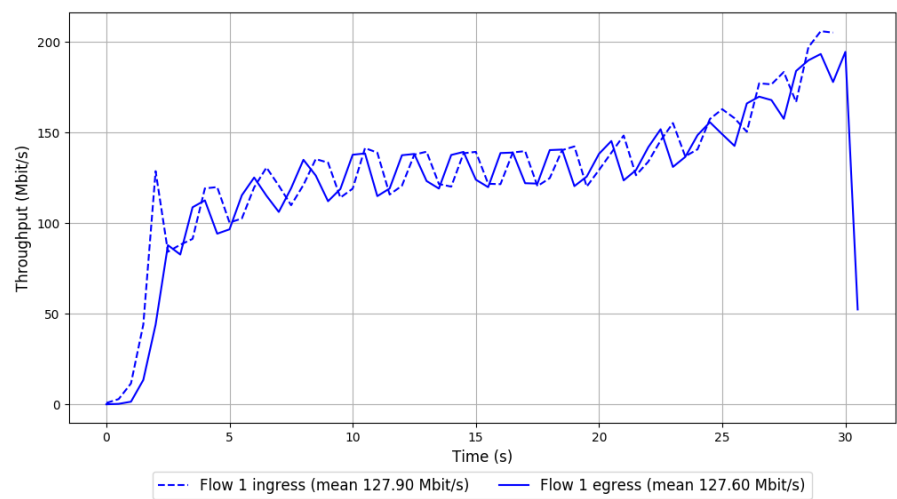
-- Flow 1:

Average throughput: 127.60 Mbit/s

95th percentile per-packet one-way delay: 118.222 ms

Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

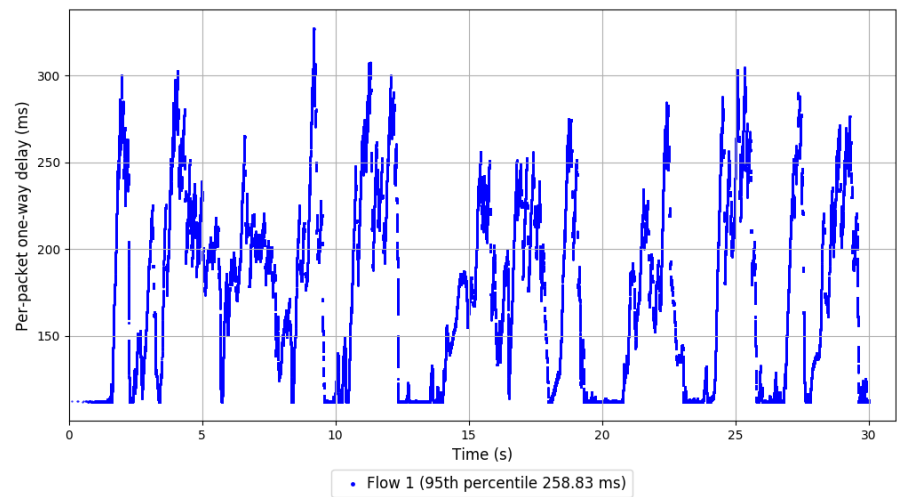
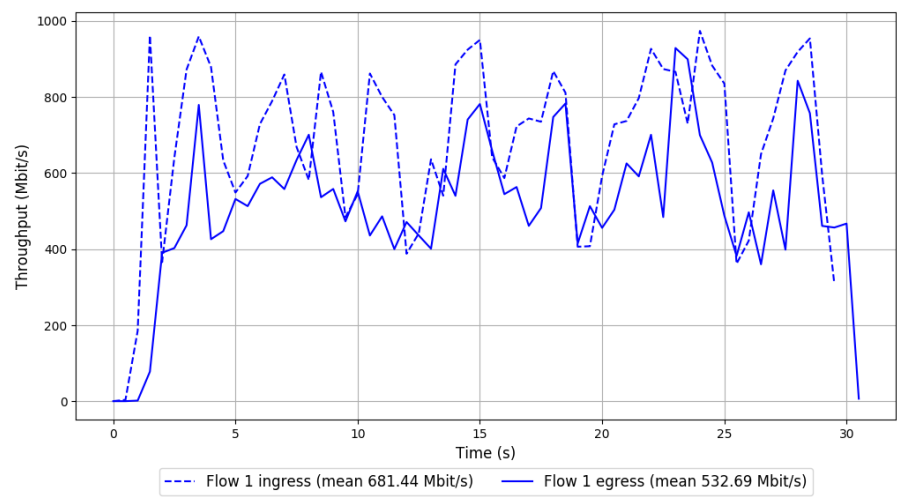


Run 1: Statistics of FillP

Start at: 2018-08-09 20:20:40
End at: 2018-08-09 20:21:10
Local clock offset: -1.373 ms
Remote clock offset: -0.505 ms

Below is generated by plot.py at 2018-08-10 00:25:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 532.69 Mbit/s
95th percentile per-packet one-way delay: 258.828 ms
Loss rate: 21.83%
-- Flow 1:
Average throughput: 532.69 Mbit/s
95th percentile per-packet one-way delay: 258.828 ms
Loss rate: 21.83%

Run 1: Report of FillP — Data Link

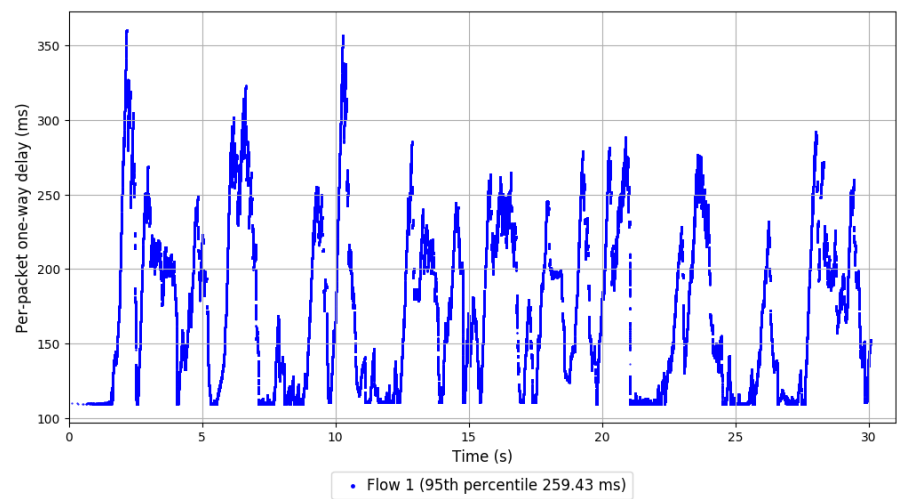
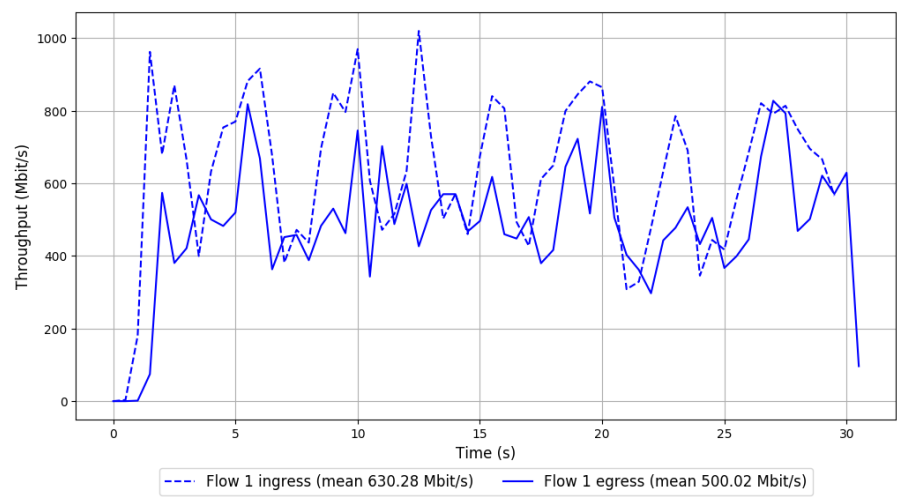


Run 2: Statistics of FillP

Start at: 2018-08-09 20:42:46
End at: 2018-08-09 20:43:16
Local clock offset: 0.523 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-10 00:25:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 500.02 Mbit/s
95th percentile per-packet one-way delay: 259.431 ms
Loss rate: 20.67%
-- Flow 1:
Average throughput: 500.02 Mbit/s
95th percentile per-packet one-way delay: 259.431 ms
Loss rate: 20.67%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-09 21:04:37

End at: 2018-08-09 21:05:07

Local clock offset: -0.29 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-08-10 00:25:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.32 Mbit/s

95th percentile per-packet one-way delay: 261.037 ms

Loss rate: 19.95%

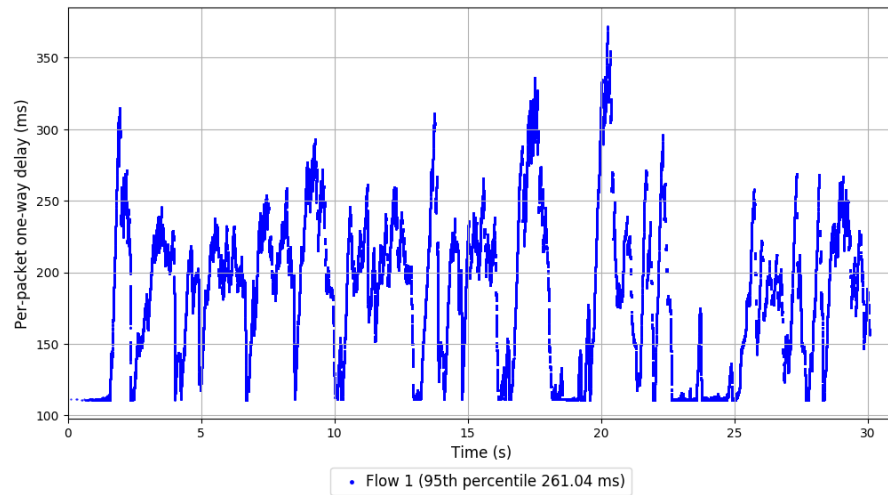
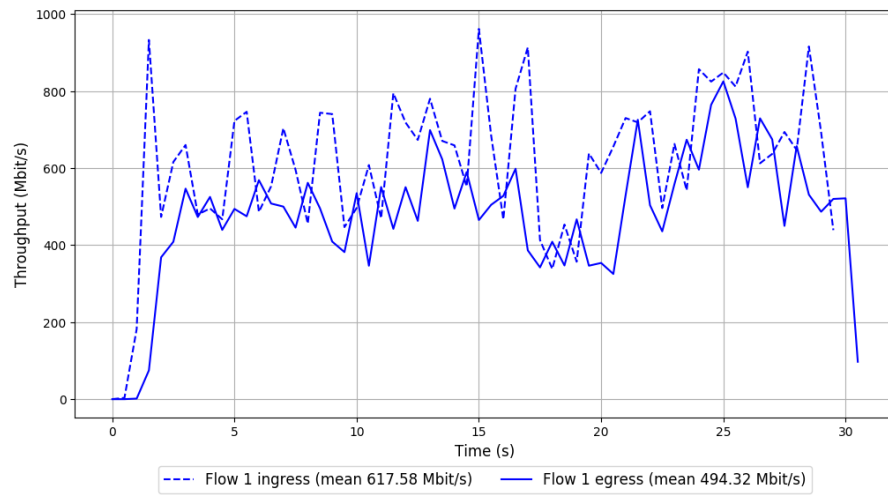
-- Flow 1:

Average throughput: 494.32 Mbit/s

95th percentile per-packet one-way delay: 261.037 ms

Loss rate: 19.95%

Run 3: Report of FillP — Data Link

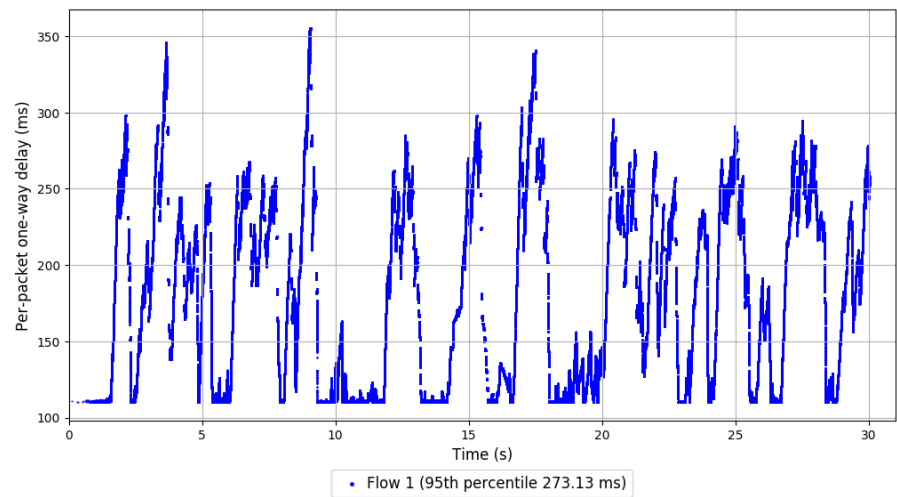
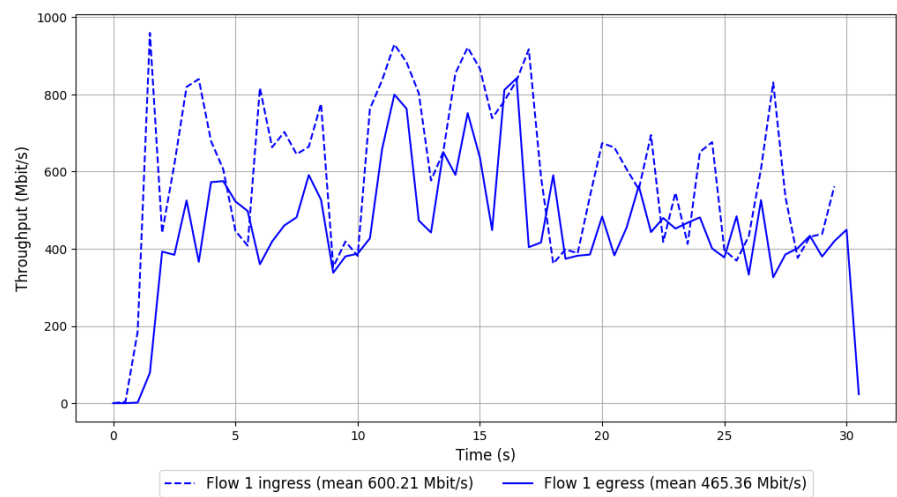


Run 4: Statistics of FillP

Start at: 2018-08-09 21:27:04
End at: 2018-08-09 21:27:34
Local clock offset: 0.559 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-10 00:25:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 465.36 Mbit/s
95th percentile per-packet one-way delay: 273.126 ms
Loss rate: 22.47%
-- Flow 1:
Average throughput: 465.36 Mbit/s
95th percentile per-packet one-way delay: 273.126 ms
Loss rate: 22.47%

Run 4: Report of FillP — Data Link

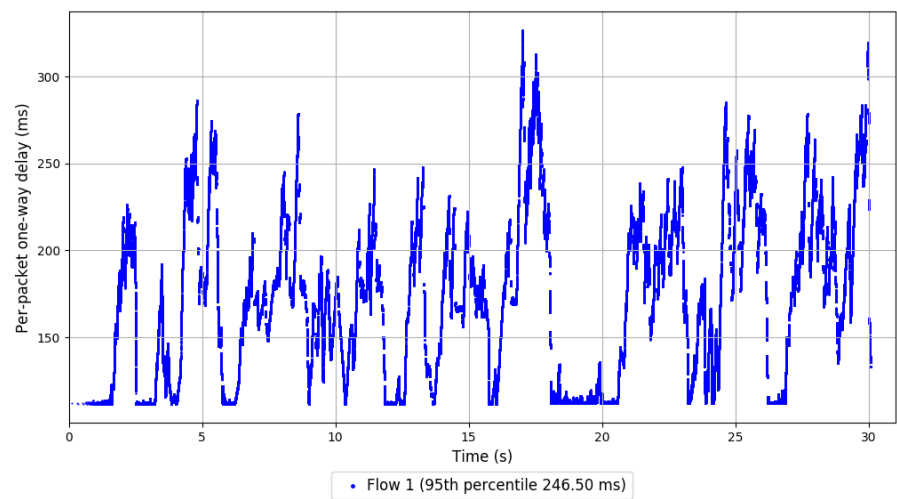
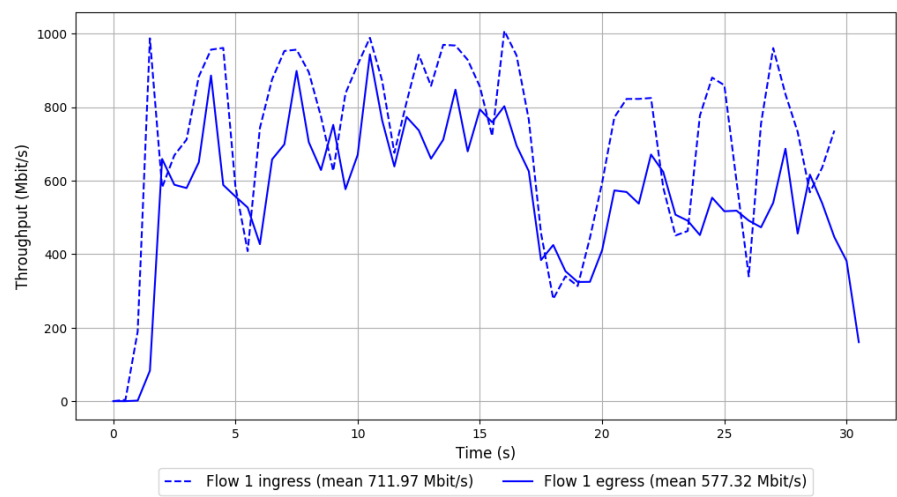


Run 5: Statistics of FillP

Start at: 2018-08-09 21:49:18
End at: 2018-08-09 21:49:48
Local clock offset: -0.638 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-10 00:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 577.32 Mbit/s
95th percentile per-packet one-way delay: 246.504 ms
Loss rate: 18.91%
-- Flow 1:
Average throughput: 577.32 Mbit/s
95th percentile per-packet one-way delay: 246.504 ms
Loss rate: 18.91%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 22:11:33

End at: 2018-08-09 22:12:03

Local clock offset: -1.17 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-08-10 00:27:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.02 Mbit/s

95th percentile per-packet one-way delay: 247.322 ms

Loss rate: 17.90%

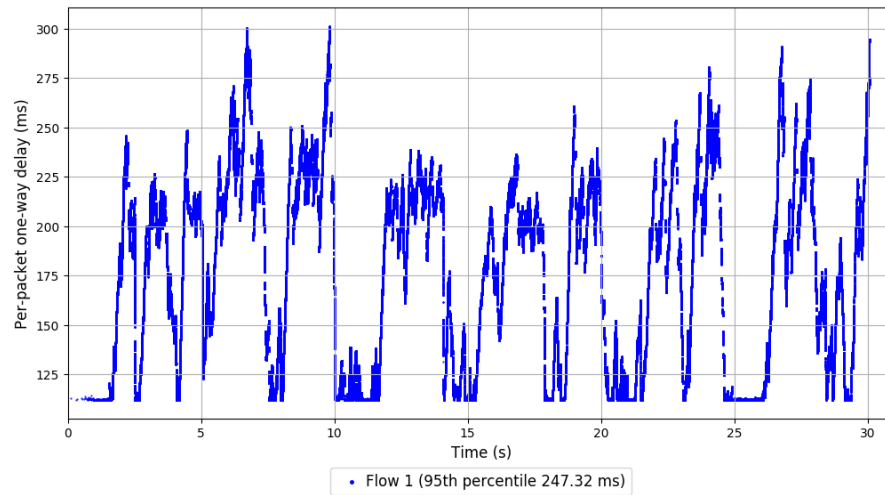
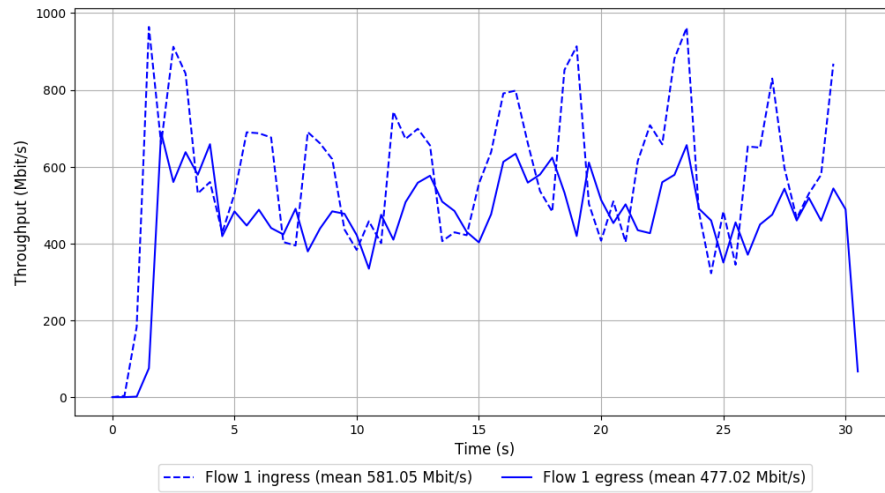
-- Flow 1:

Average throughput: 477.02 Mbit/s

95th percentile per-packet one-way delay: 247.322 ms

Loss rate: 17.90%

Run 6: Report of FillP — Data Link

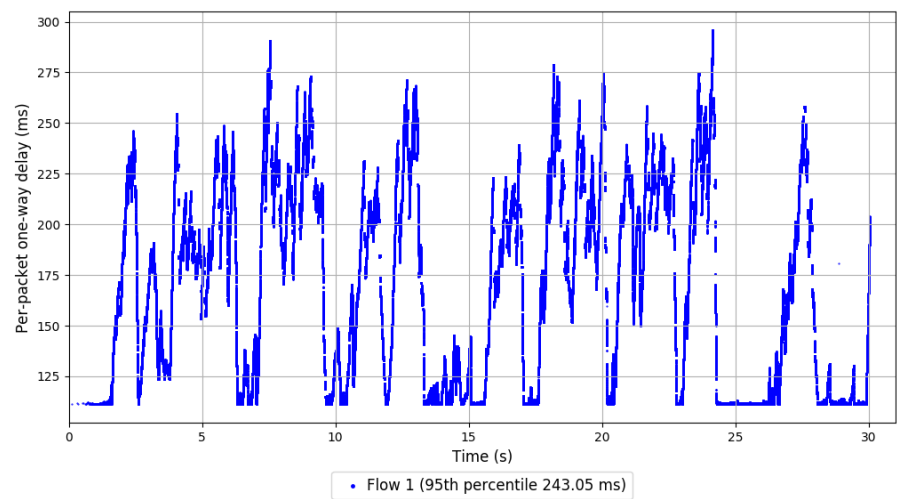
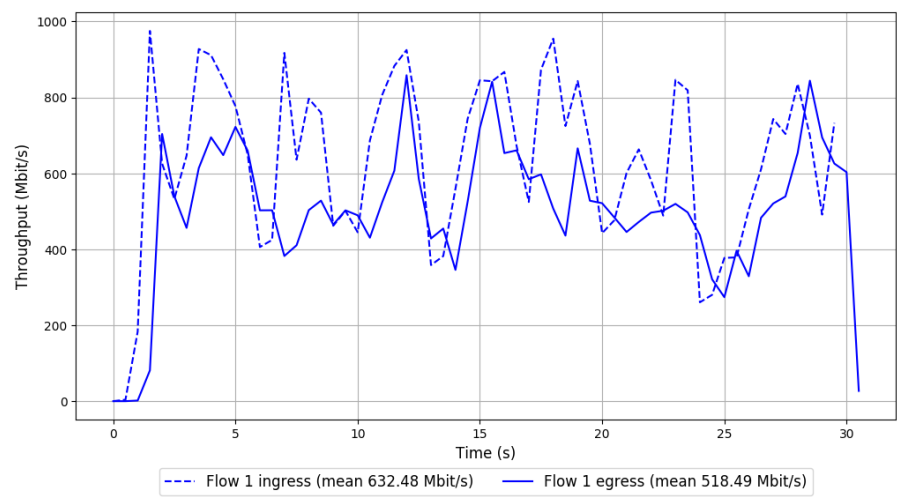


Run 7: Statistics of FillP

Start at: 2018-08-09 22:33:27
End at: 2018-08-09 22:33:57
Local clock offset: -0.601 ms
Remote clock offset: -0.514 ms

Below is generated by plot.py at 2018-08-10 00:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.49 Mbit/s
95th percentile per-packet one-way delay: 243.051 ms
Loss rate: 18.02%
-- Flow 1:
Average throughput: 518.49 Mbit/s
95th percentile per-packet one-way delay: 243.051 ms
Loss rate: 18.02%

Run 7: Report of FillP — Data Link

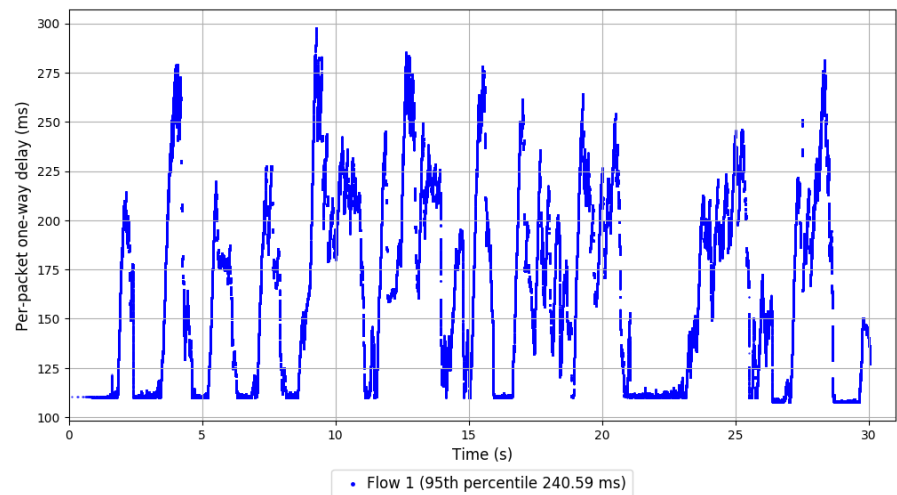
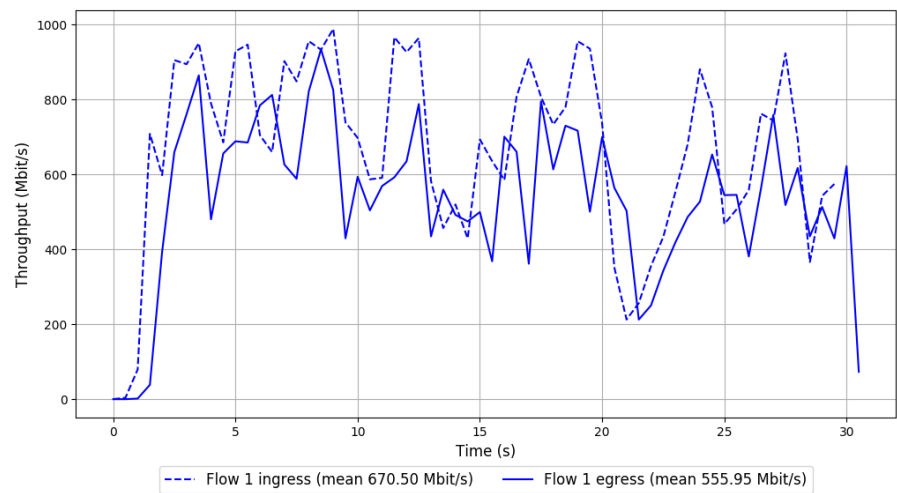


Run 8: Statistics of FillP

Start at: 2018-08-09 22:55:27
End at: 2018-08-09 22:55:57
Local clock offset: 1.421 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-08-10 00:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 555.95 Mbit/s
95th percentile per-packet one-way delay: 240.589 ms
Loss rate: 17.09%
-- Flow 1:
Average throughput: 555.95 Mbit/s
95th percentile per-packet one-way delay: 240.589 ms
Loss rate: 17.09%

Run 8: Report of FillP — Data Link

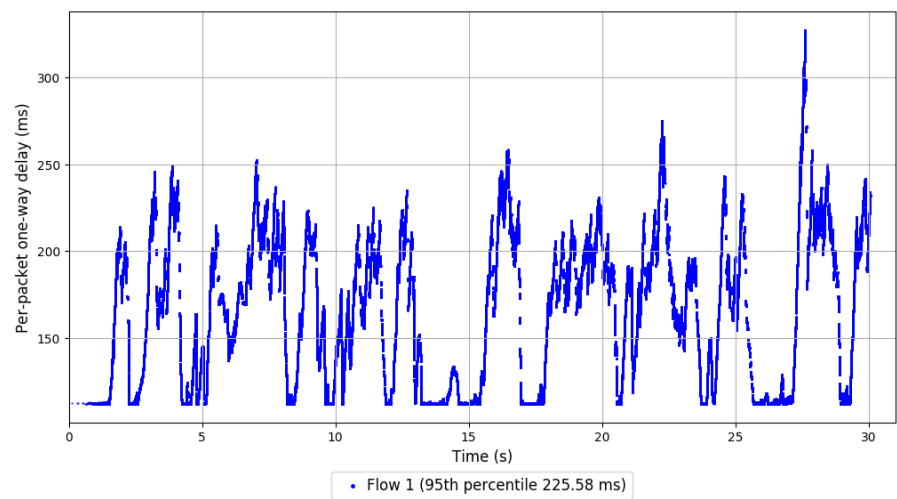
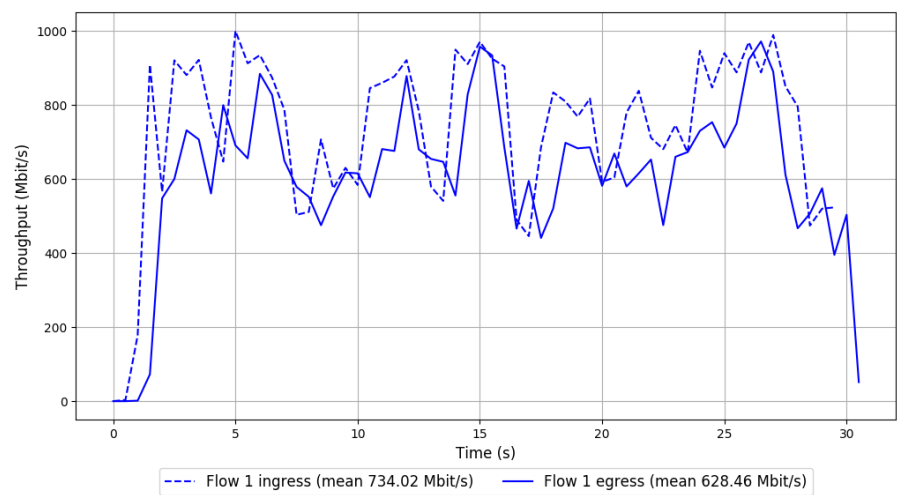


Run 9: Statistics of FillP

Start at: 2018-08-09 23:17:49
End at: 2018-08-09 23:18:19
Local clock offset: -1.282 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-08-10 00:37:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 628.46 Mbit/s
95th percentile per-packet one-way delay: 225.579 ms
Loss rate: 14.39%
-- Flow 1:
Average throughput: 628.46 Mbit/s
95th percentile per-packet one-way delay: 225.579 ms
Loss rate: 14.39%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-09 23:40:02

End at: 2018-08-09 23:40:32

Local clock offset: -1.238 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at 2018-08-10 00:37:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.98 Mbit/s

95th percentile per-packet one-way delay: 254.930 ms

Loss rate: 19.48%

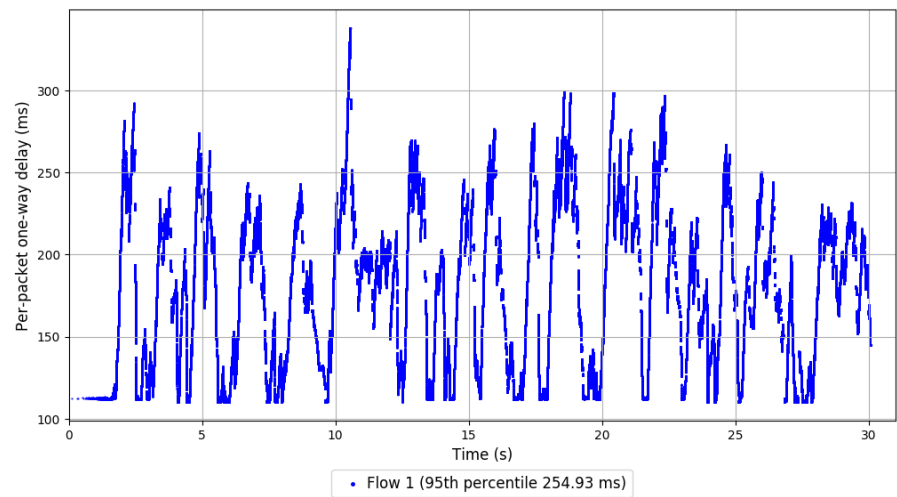
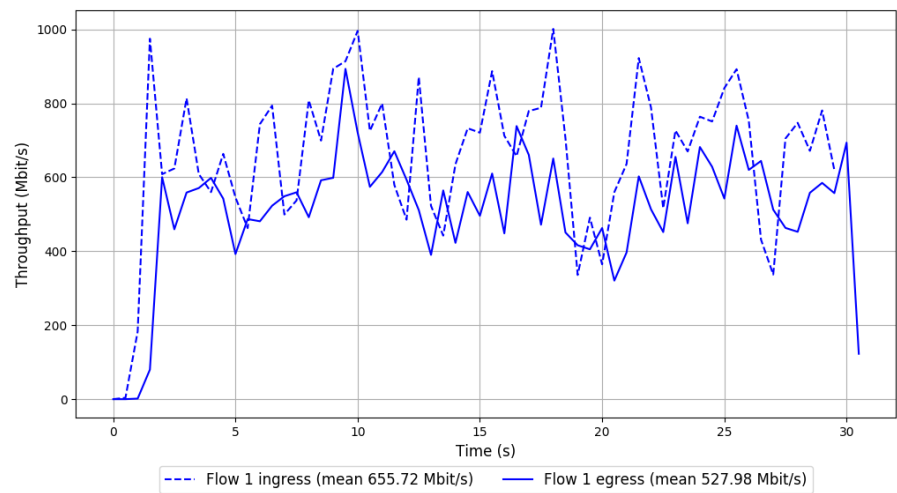
-- Flow 1:

Average throughput: 527.98 Mbit/s

95th percentile per-packet one-way delay: 254.930 ms

Loss rate: 19.48%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 20:12:51

End at: 2018-08-09 20:13:21

Local clock offset: 0.364 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-08-10 00:37:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.06 Mbit/s

95th percentile per-packet one-way delay: 245.918 ms

Loss rate: 18.54%

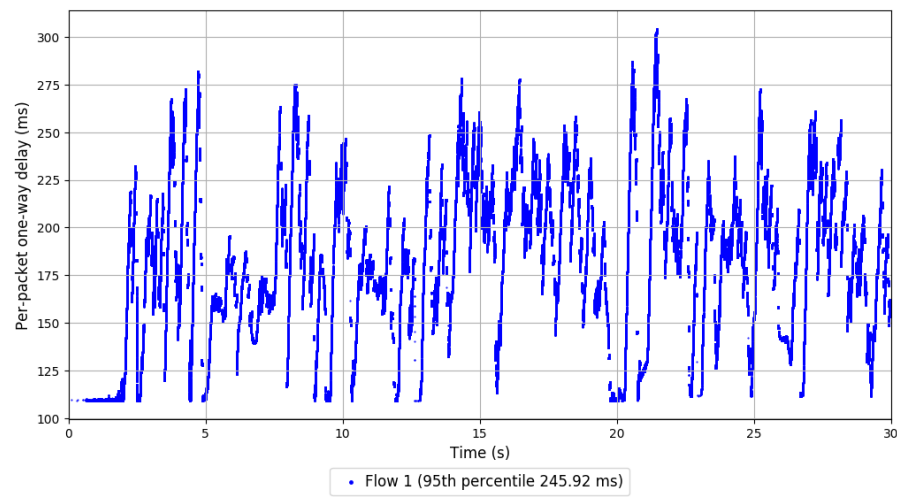
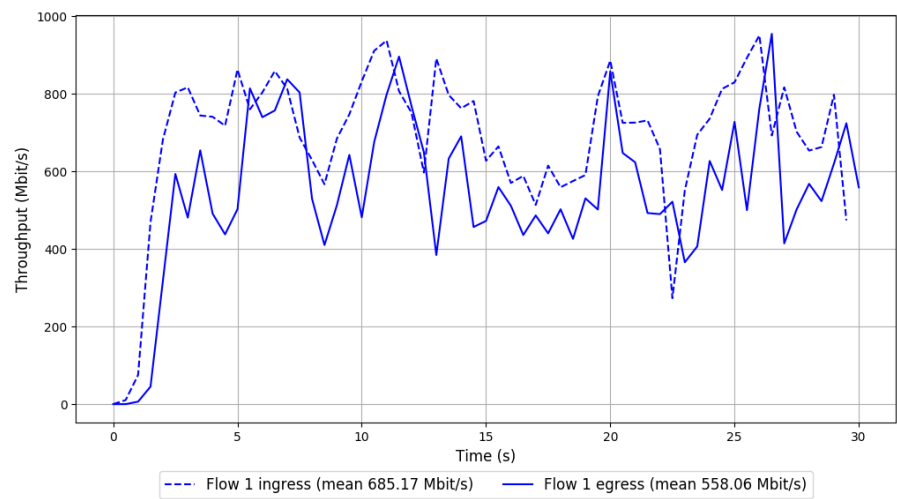
-- Flow 1:

Average throughput: 558.06 Mbit/s

95th percentile per-packet one-way delay: 245.918 ms

Loss rate: 18.54%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 20:34:56

End at: 2018-08-09 20:35:26

Local clock offset: -0.097 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-08-10 00:37:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.58 Mbit/s

95th percentile per-packet one-way delay: 237.611 ms

Loss rate: 19.65%

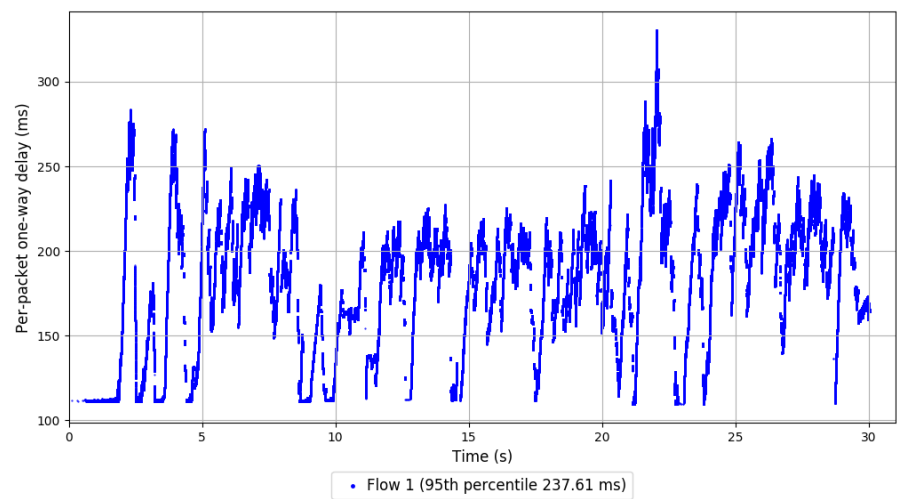
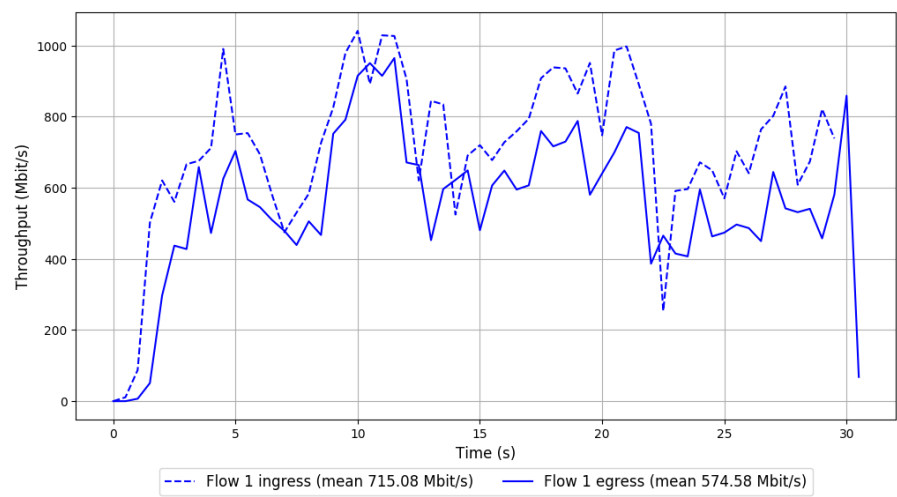
-- Flow 1:

Average throughput: 574.58 Mbit/s

95th percentile per-packet one-way delay: 237.611 ms

Loss rate: 19.65%

Run 2: Report of FillP-Sheep — Data Link

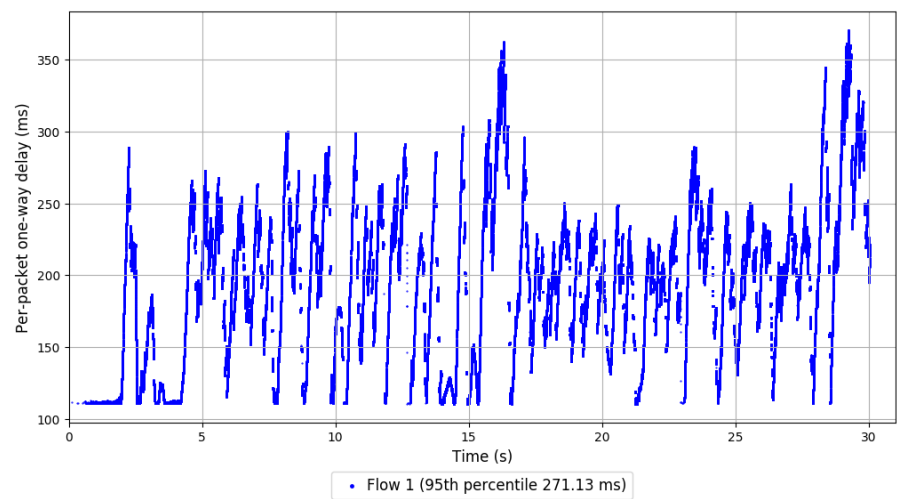
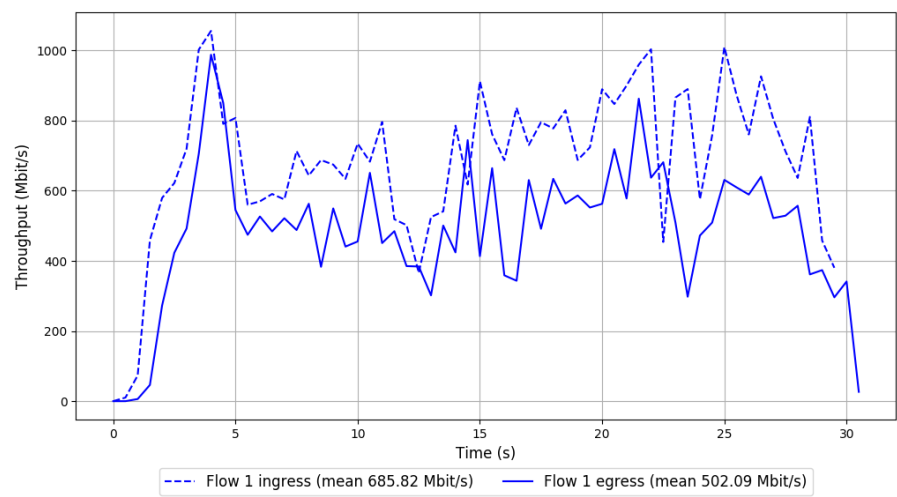


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 20:56:52
End at: 2018-08-09 20:57:22
Local clock offset: -0.604 ms
Remote clock offset: -0.658 ms

Below is generated by plot.py at 2018-08-10 00:37:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.09 Mbit/s
95th percentile per-packet one-way delay: 271.135 ms
Loss rate: 26.79%
-- Flow 1:
Average throughput: 502.09 Mbit/s
95th percentile per-packet one-way delay: 271.135 ms
Loss rate: 26.79%

Run 3: Report of FillP-Sheep — Data Link

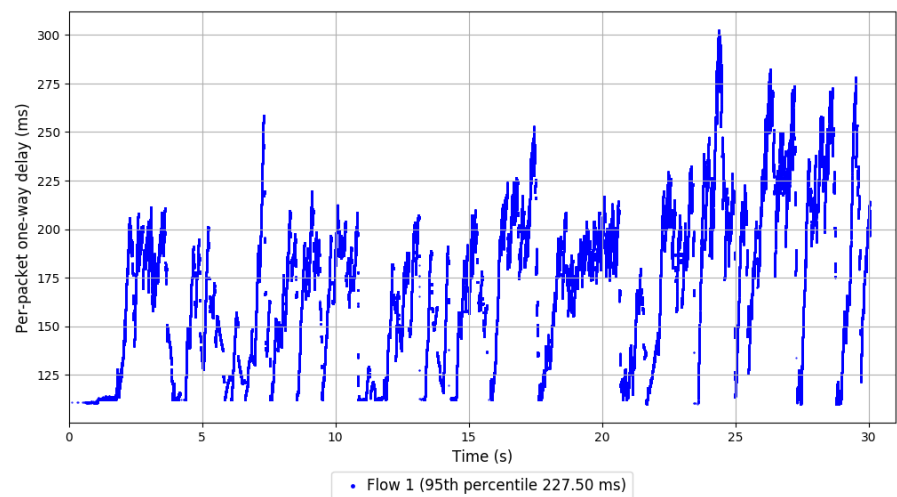
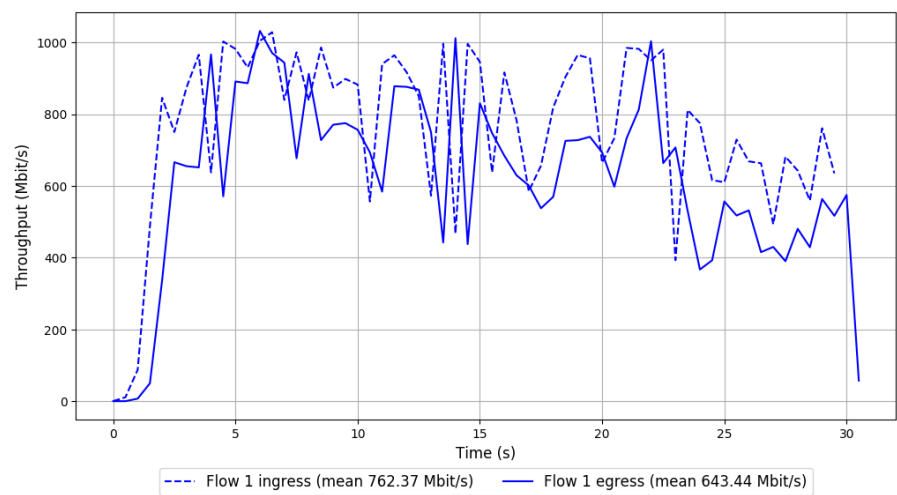


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 21:19:04
End at: 2018-08-09 21:19:34
Local clock offset: -0.793 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-10 00:39:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 643.44 Mbit/s
95th percentile per-packet one-way delay: 227.500 ms
Loss rate: 15.59%
-- Flow 1:
Average throughput: 643.44 Mbit/s
95th percentile per-packet one-way delay: 227.500 ms
Loss rate: 15.59%

Run 4: Report of FillP-Sheep — Data Link

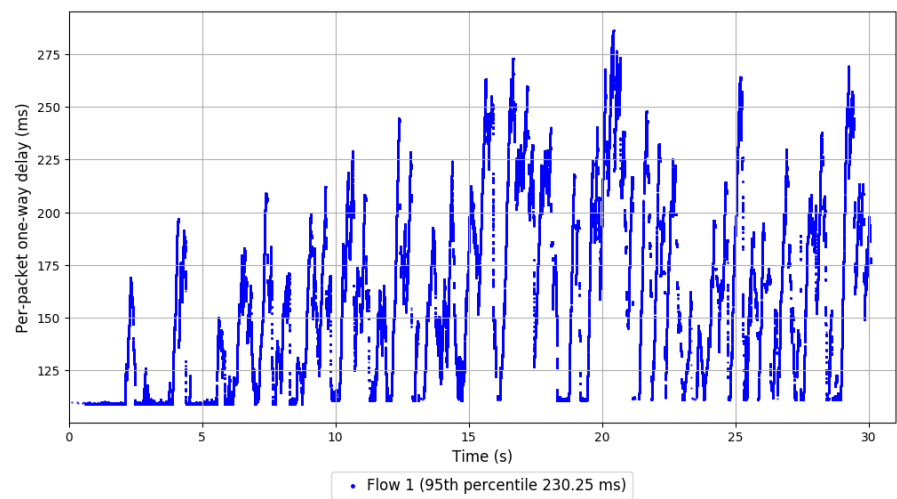
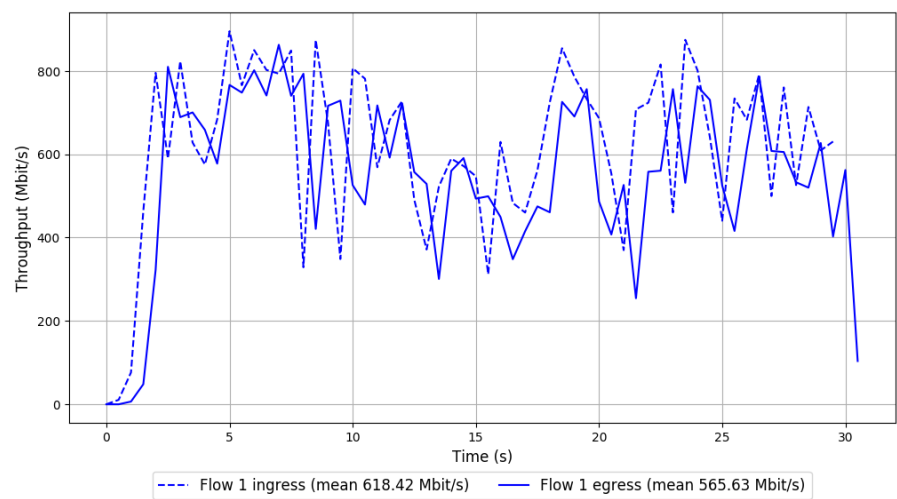


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 21:41:24
End at: 2018-08-09 21:41:54
Local clock offset: -0.137 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-10 00:39:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 565.63 Mbit/s
95th percentile per-packet one-way delay: 230.247 ms
Loss rate: 8.53%
-- Flow 1:
Average throughput: 565.63 Mbit/s
95th percentile per-packet one-way delay: 230.247 ms
Loss rate: 8.53%

Run 5: Report of FillP-Sheep — Data Link

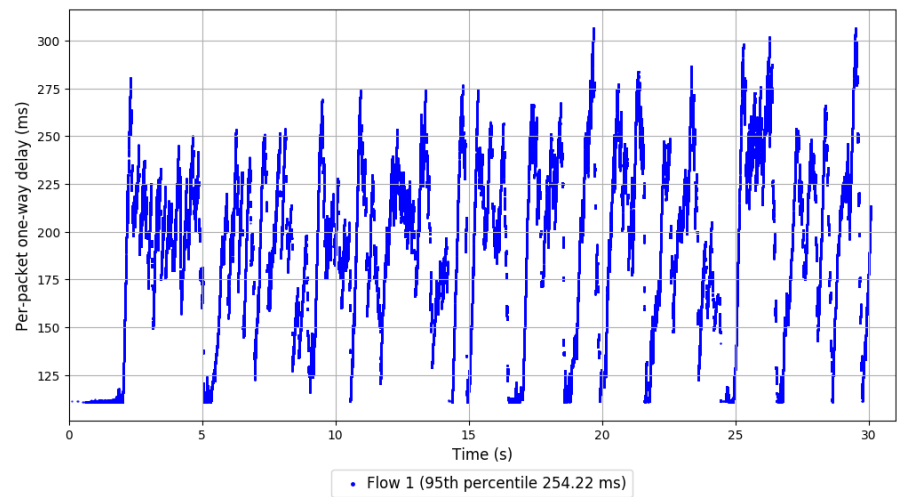
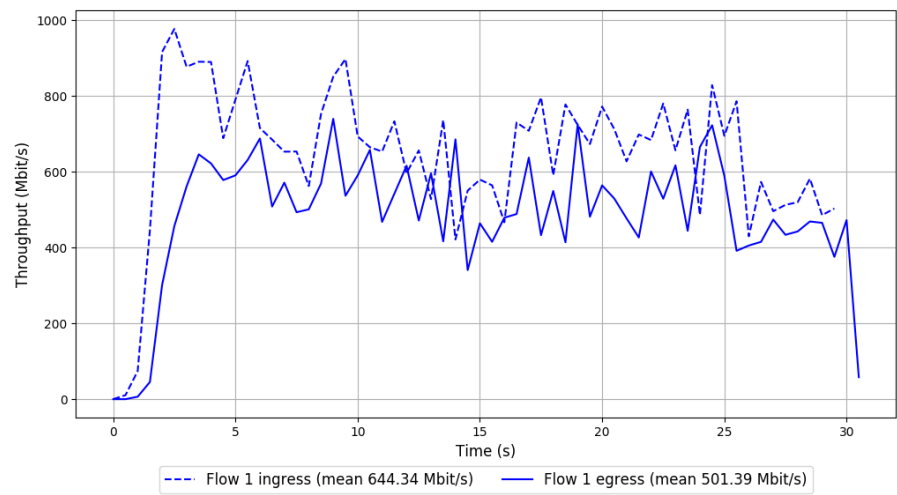


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 22:03:41
End at: 2018-08-09 22:04:11
Local clock offset: -0.158 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-10 00:39:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 501.39 Mbit/s
95th percentile per-packet one-way delay: 254.222 ms
Loss rate: 22.18%
-- Flow 1:
Average throughput: 501.39 Mbit/s
95th percentile per-packet one-way delay: 254.222 ms
Loss rate: 22.18%

Run 6: Report of FillP-Sheep — Data Link

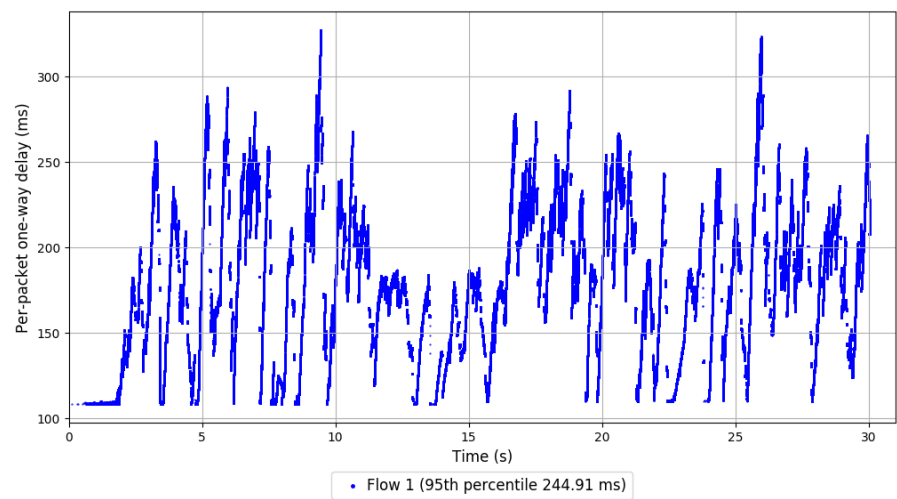
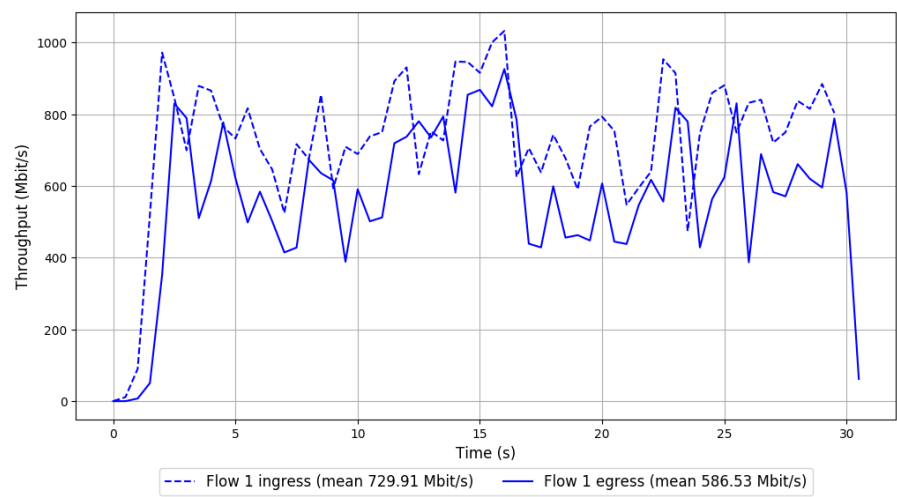


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 22:25:40
End at: 2018-08-09 22:26:10
Local clock offset: 1.211 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-10 00:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 586.53 Mbit/s
95th percentile per-packet one-way delay: 244.907 ms
Loss rate: 19.64%
-- Flow 1:
Average throughput: 586.53 Mbit/s
95th percentile per-packet one-way delay: 244.907 ms
Loss rate: 19.64%

Run 7: Report of FillP-Sheep — Data Link

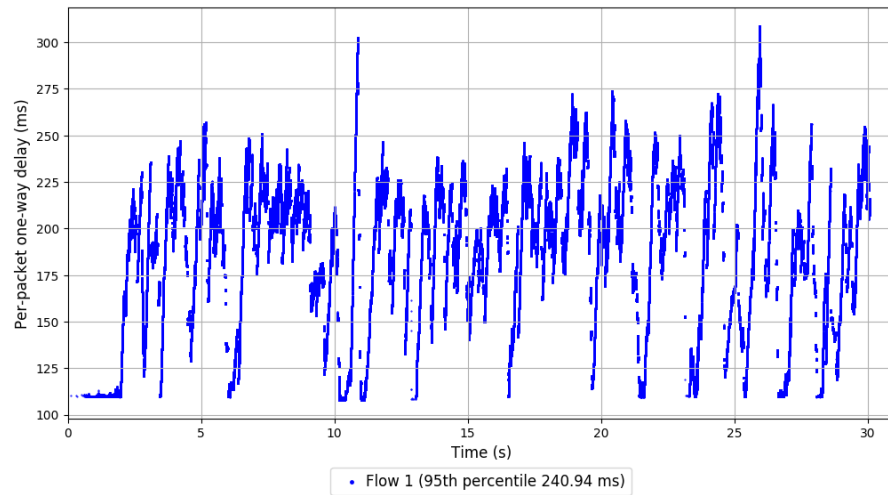
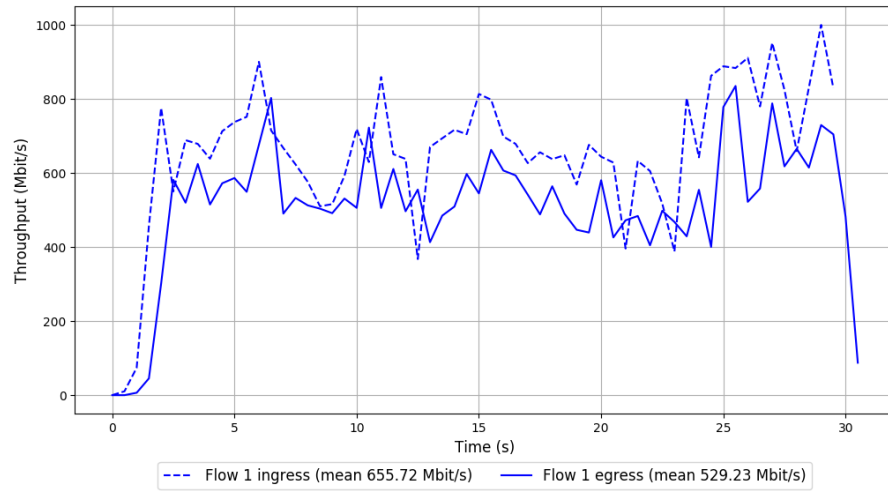


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 22:47:37
End at: 2018-08-09 22:48:07
Local clock offset: 1.21 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-08-10 00:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 529.23 Mbit/s
95th percentile per-packet one-way delay: 240.941 ms
Loss rate: 19.29%
-- Flow 1:
Average throughput: 529.23 Mbit/s
95th percentile per-packet one-way delay: 240.941 ms
Loss rate: 19.29%

Run 8: Report of FillP-Sheep — Data Link

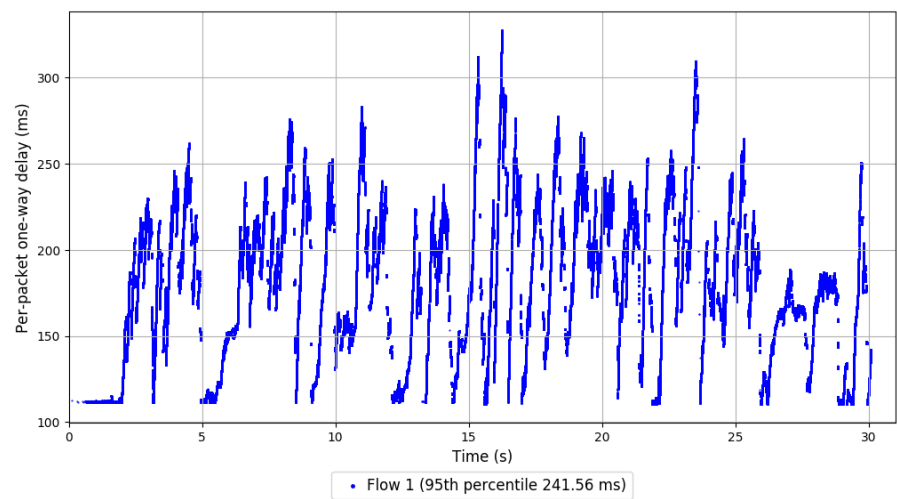
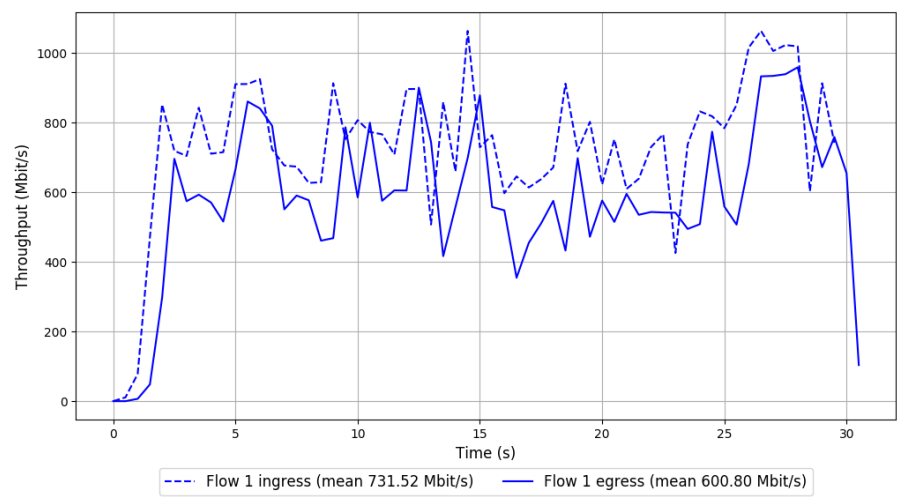


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 23:09:49
End at: 2018-08-09 23:10:19
Local clock offset: -0.31 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-10 00:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 600.80 Mbit/s
95th percentile per-packet one-way delay: 241.561 ms
Loss rate: 17.87%
-- Flow 1:
Average throughput: 600.80 Mbit/s
95th percentile per-packet one-way delay: 241.561 ms
Loss rate: 17.87%

Run 9: Report of FillP-Sheep — Data Link

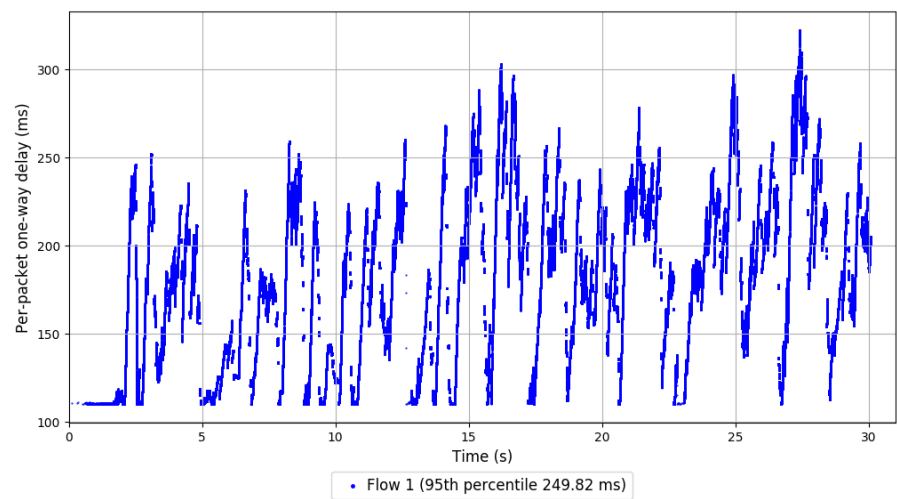
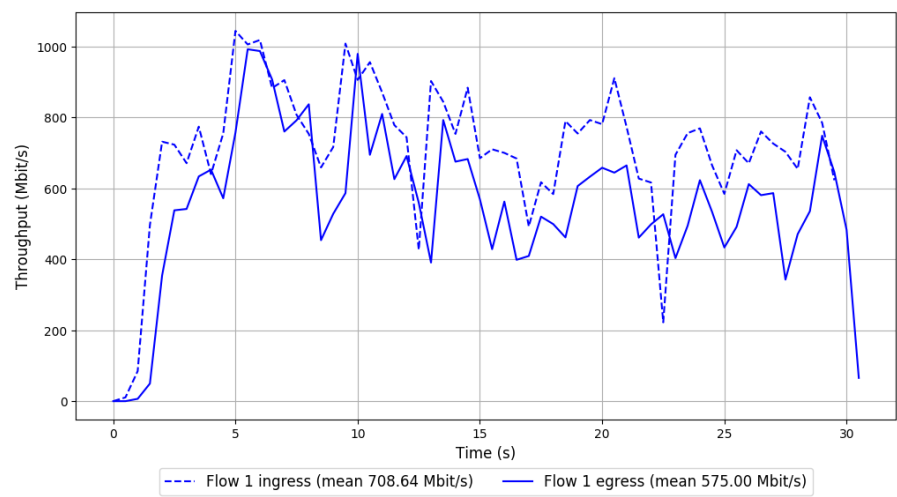


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 23:32:15
End at: 2018-08-09 23:32:45
Local clock offset: 0.146 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-08-10 00:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 575.00 Mbit/s
95th percentile per-packet one-way delay: 249.819 ms
Loss rate: 18.86%
-- Flow 1:
Average throughput: 575.00 Mbit/s
95th percentile per-packet one-way delay: 249.819 ms
Loss rate: 18.86%

Run 10: Report of FillP-Sheep — Data Link

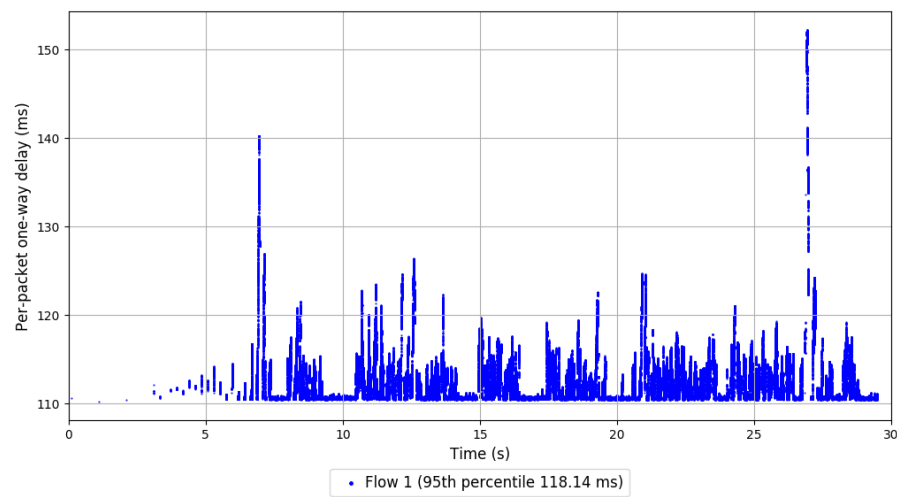
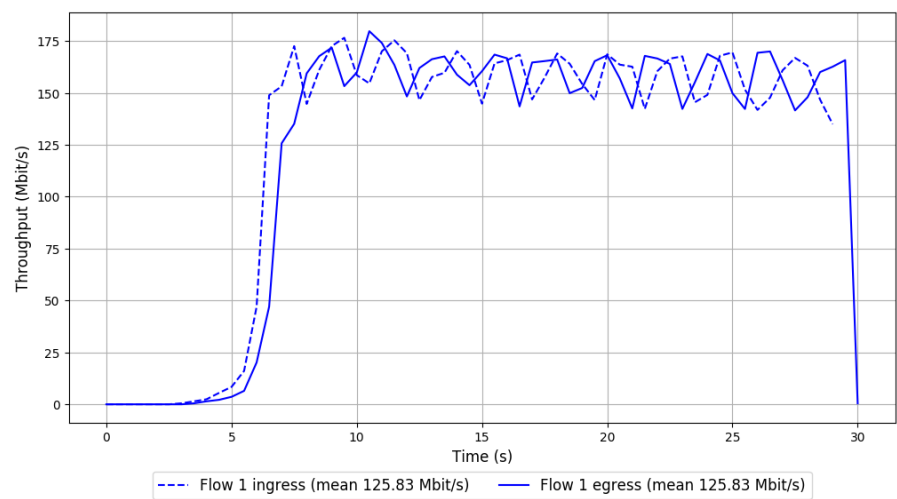


Run 1: Statistics of Indigo

Start at: 2018-08-09 20:28:33
End at: 2018-08-09 20:29:03
Local clock offset: -0.719 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-10 00:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.83 Mbit/s
95th percentile per-packet one-way delay: 118.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.83 Mbit/s
95th percentile per-packet one-way delay: 118.141 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

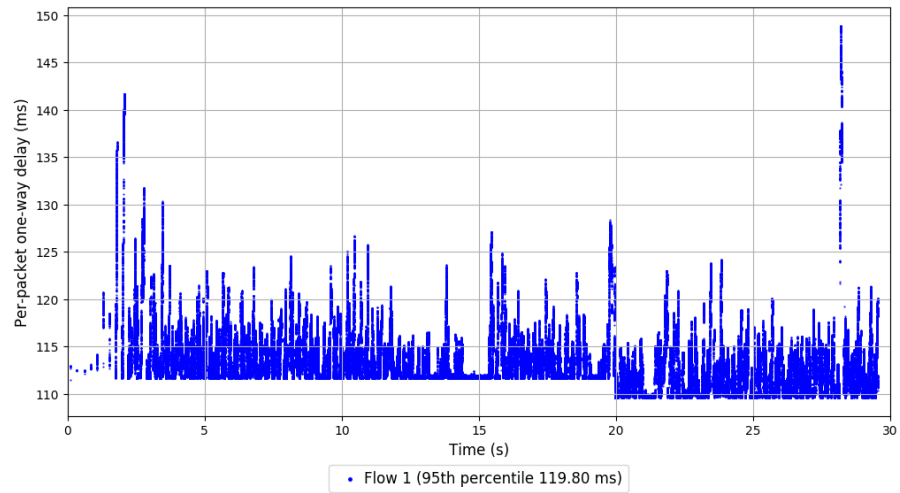
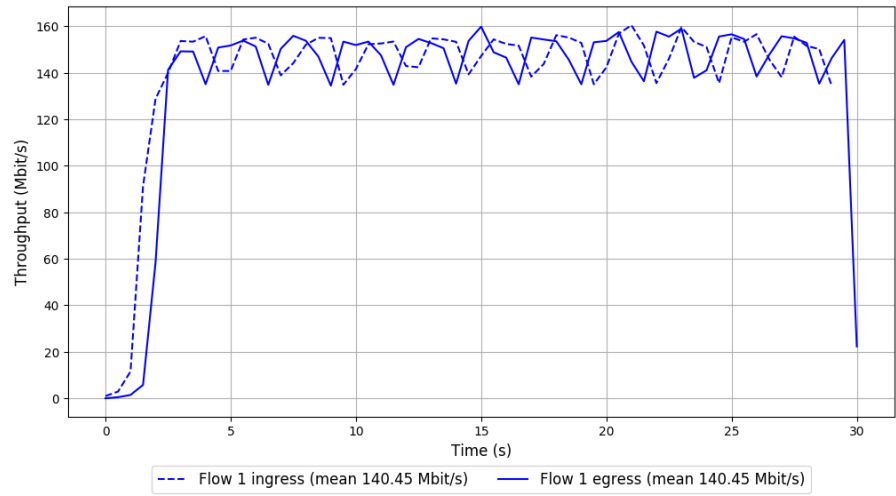


Run 2: Statistics of Indigo

Start at: 2018-08-09 20:50:33
End at: 2018-08-09 20:51:03
Local clock offset: 0.443 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-08-10 00:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.45 Mbit/s
95th percentile per-packet one-way delay: 119.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.45 Mbit/s
95th percentile per-packet one-way delay: 119.795 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

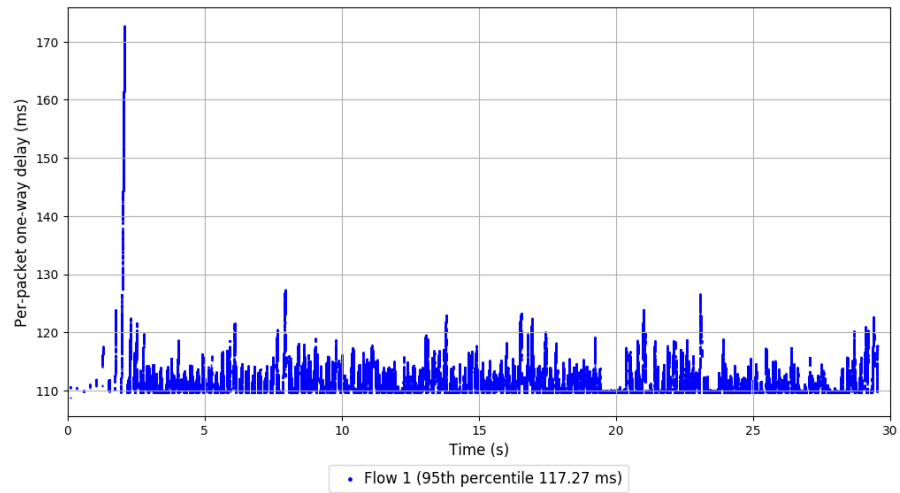
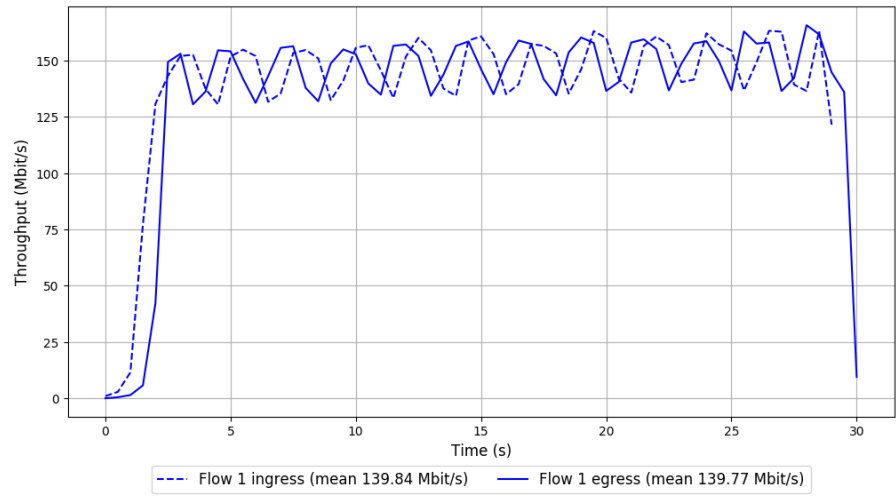


Run 3: Statistics of Indigo

Start at: 2018-08-09 21:12:39
End at: 2018-08-09 21:13:09
Local clock offset: 0.588 ms
Remote clock offset: -0.572 ms

Below is generated by plot.py at 2018-08-10 00:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.77 Mbit/s
95th percentile per-packet one-way delay: 117.272 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 139.77 Mbit/s
95th percentile per-packet one-way delay: 117.272 ms
Loss rate: 0.03%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-09 21:34:48

End at: 2018-08-09 21:35:18

Local clock offset: -0.123 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-10 00:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.38 Mbit/s

95th percentile per-packet one-way delay: 116.669 ms

Loss rate: 0.00%

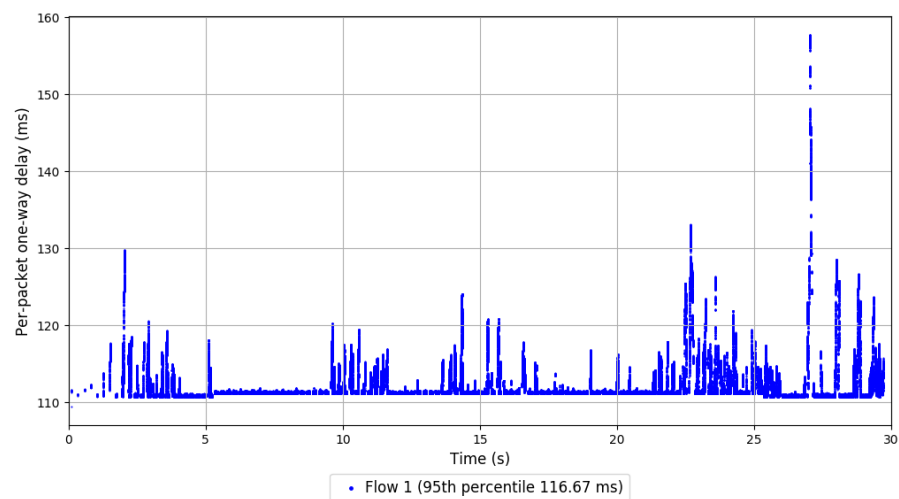
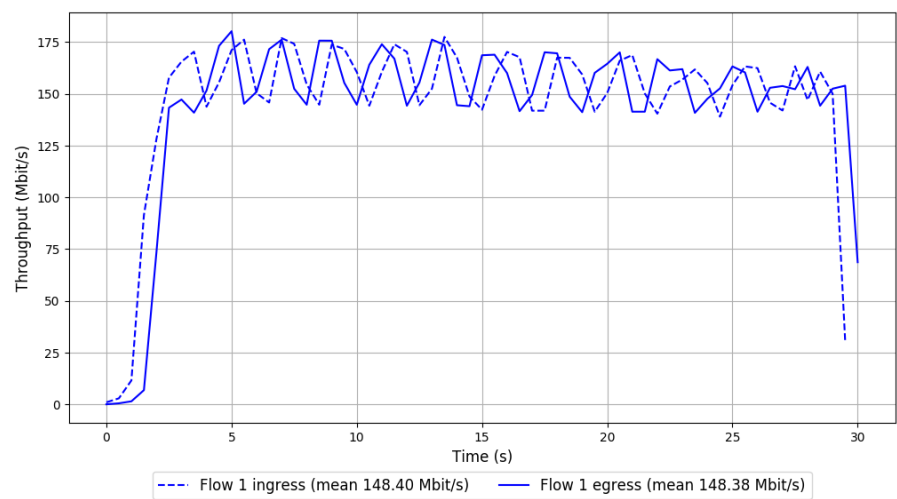
-- Flow 1:

Average throughput: 148.38 Mbit/s

95th percentile per-packet one-way delay: 116.669 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-09 21:57:11

End at: 2018-08-09 21:57:41

Local clock offset: -1.476 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-08-10 00:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.60 Mbit/s

95th percentile per-packet one-way delay: 120.248 ms

Loss rate: 0.00%

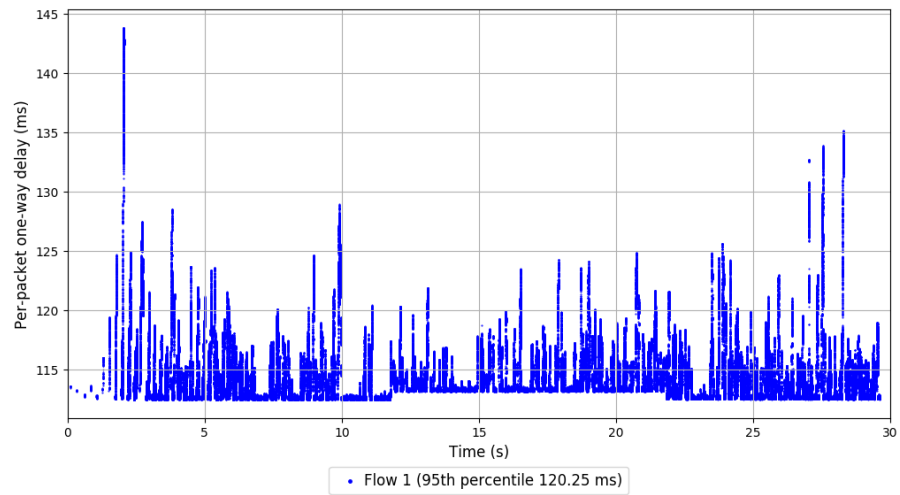
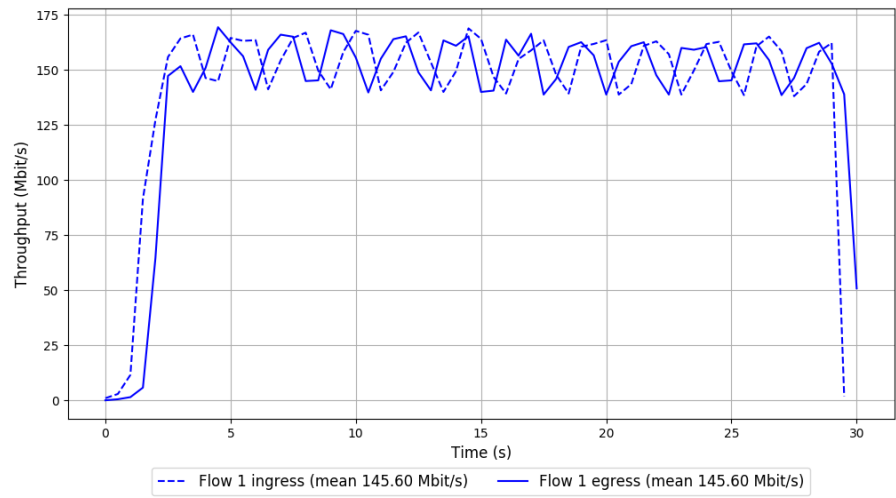
-- Flow 1:

Average throughput: 145.60 Mbit/s

95th percentile per-packet one-way delay: 120.248 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

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

End at: 2018-08-09 22:19:39

Local clock offset: -0.12 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2018-08-10 00:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.86 Mbit/s

95th percentile per-packet one-way delay: 117.906 ms

Loss rate: 0.00%

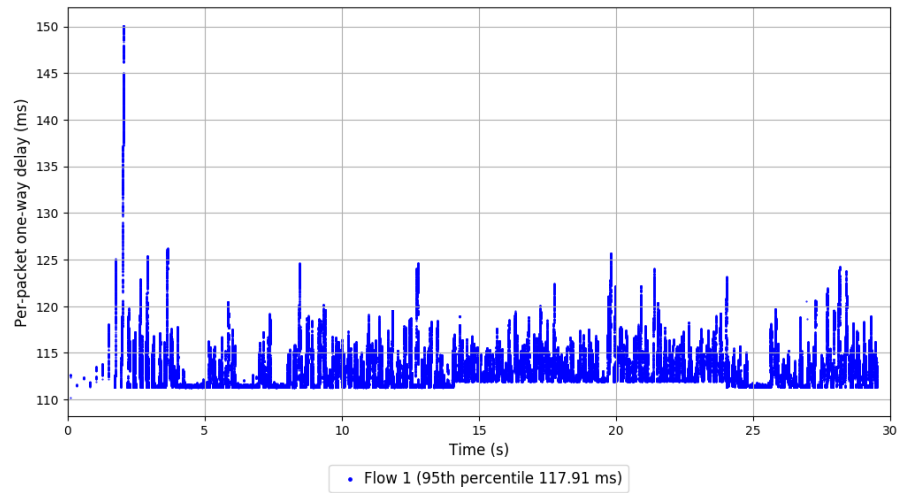
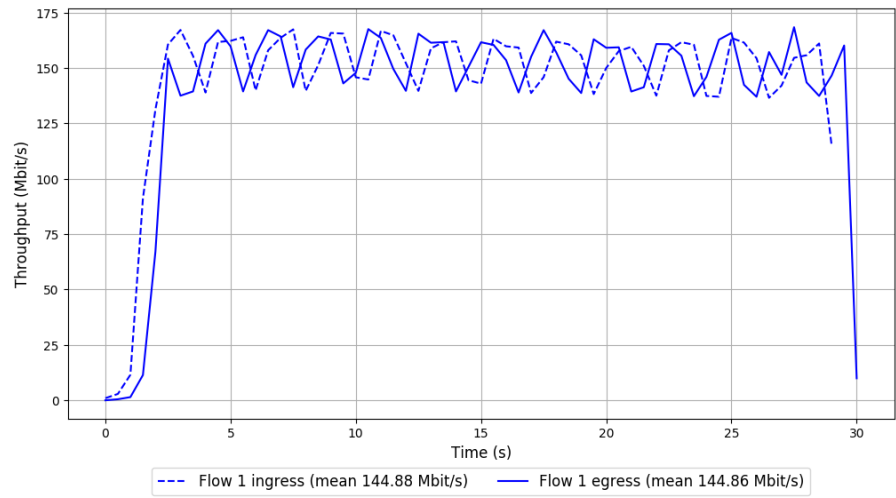
-- Flow 1:

Average throughput: 144.86 Mbit/s

95th percentile per-packet one-way delay: 117.906 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-09 22:41:05

End at: 2018-08-09 22:41:35

Local clock offset: -0.694 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-08-10 00:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.90 Mbit/s

95th percentile per-packet one-way delay: 118.825 ms

Loss rate: 0.00%

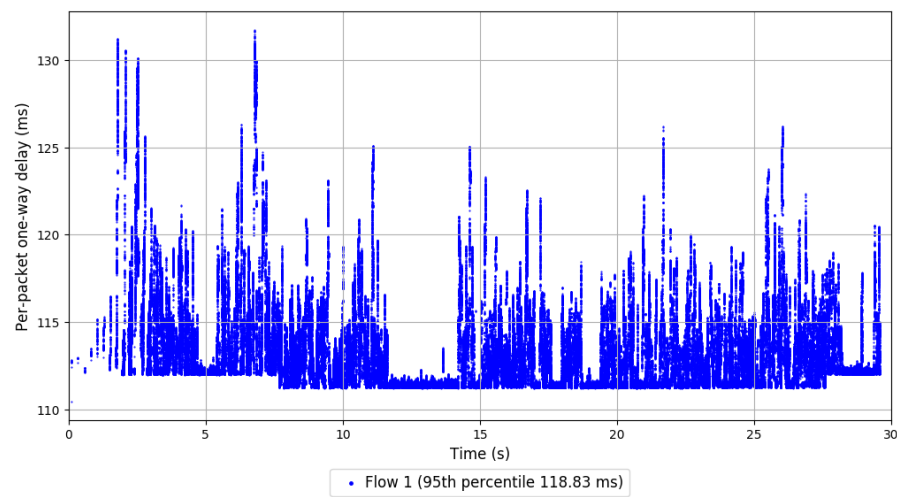
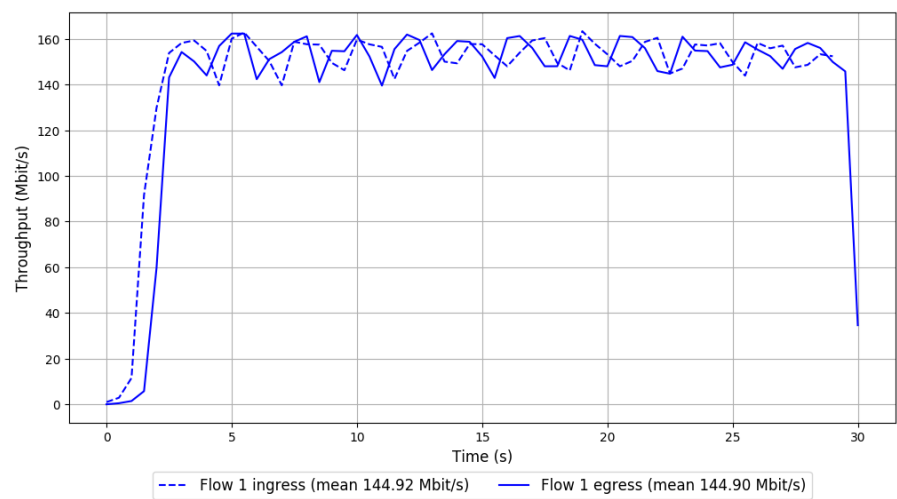
-- Flow 1:

Average throughput: 144.90 Mbit/s

95th percentile per-packet one-way delay: 118.825 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-09 23:03:15

End at: 2018-08-09 23:03:45

Local clock offset: 0.056 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-10 00:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.63 Mbit/s

95th percentile per-packet one-way delay: 115.076 ms

Loss rate: 0.00%

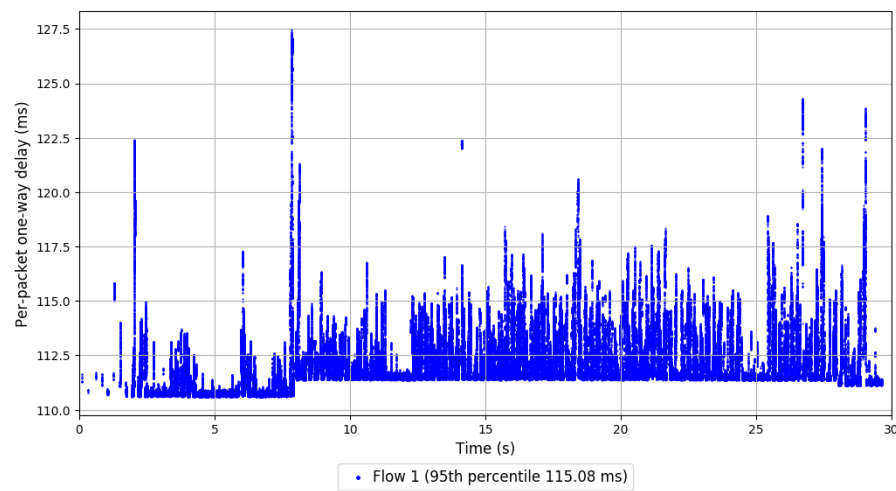
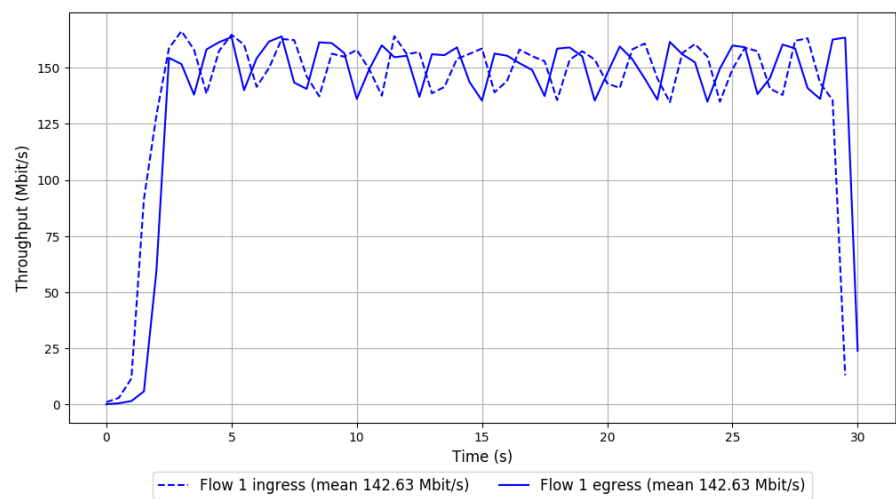
-- Flow 1:

Average throughput: 142.63 Mbit/s

95th percentile per-packet one-way delay: 115.076 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 23:25:44

End at: 2018-08-09 23:26:14

Local clock offset: 1.141 ms

Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-08-10 00:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.61 Mbit/s

95th percentile per-packet one-way delay: 115.458 ms

Loss rate: 0.02%

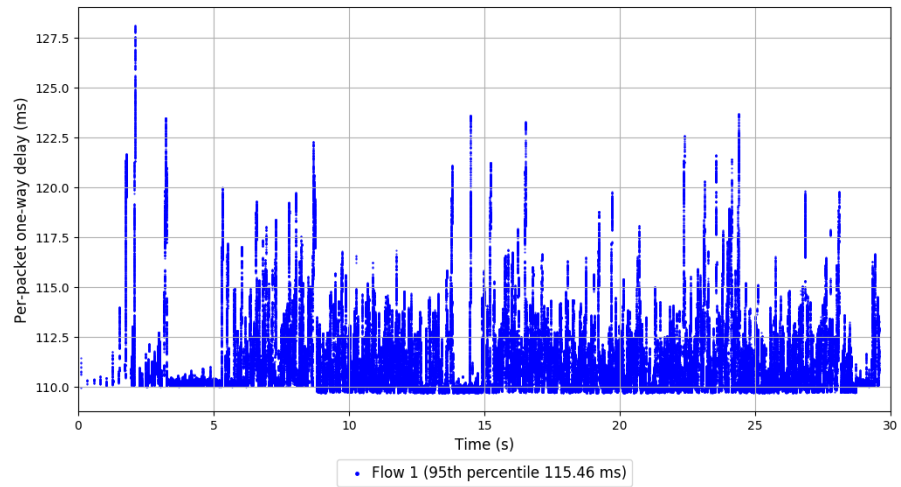
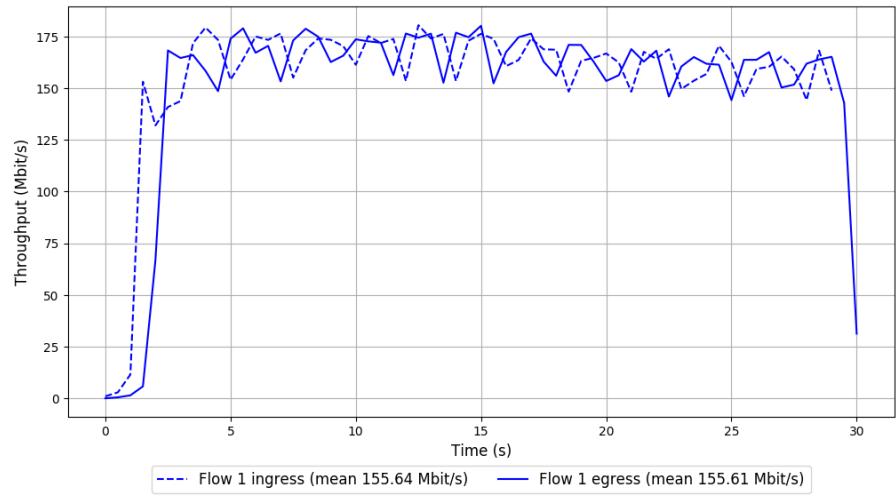
-- Flow 1:

Average throughput: 155.61 Mbit/s

95th percentile per-packet one-way delay: 115.458 ms

Loss rate: 0.02%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 23:47:52

End at: 2018-08-09 23:48:22

Local clock offset: -0.6 ms

Remote clock offset: -0.56 ms

Below is generated by plot.py at 2018-08-10 00:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.55 Mbit/s

95th percentile per-packet one-way delay: 117.948 ms

Loss rate: 0.00%

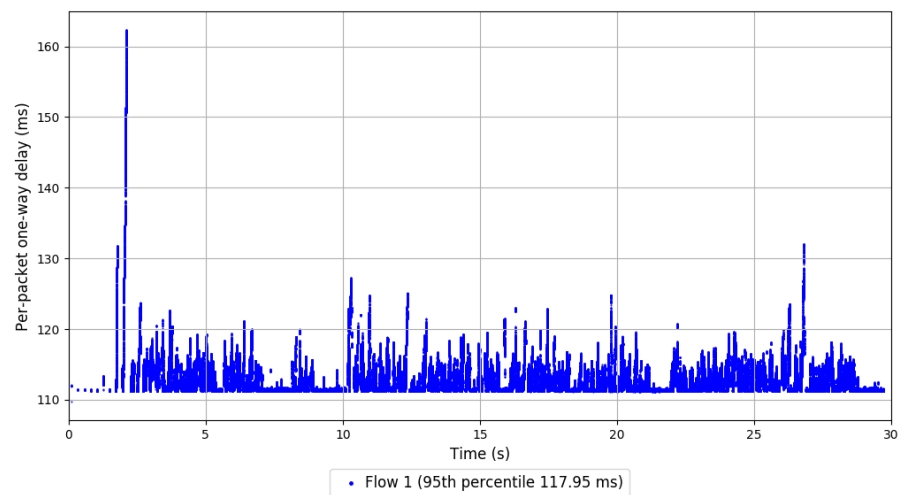
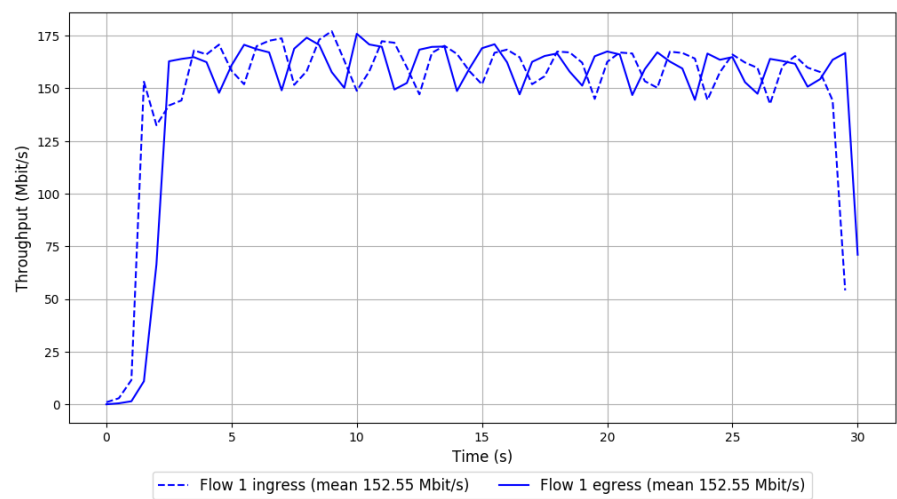
-- Flow 1:

Average throughput: 152.55 Mbit/s

95th percentile per-packet one-way delay: 117.948 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

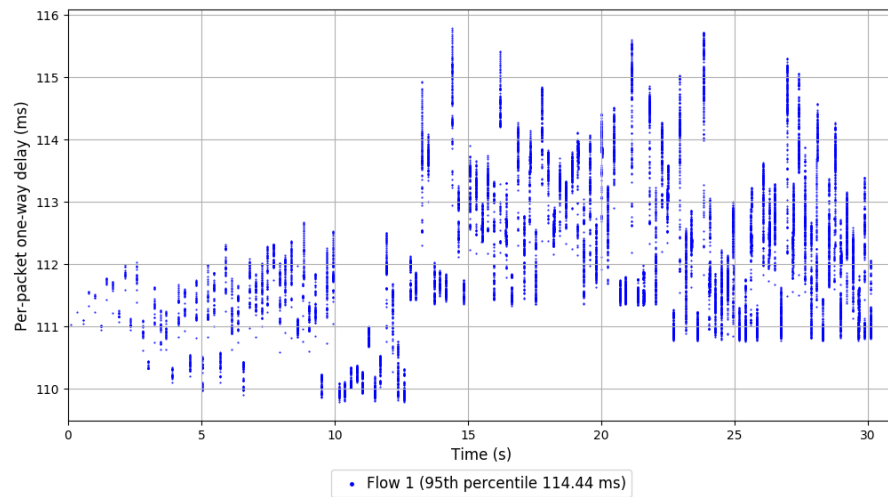
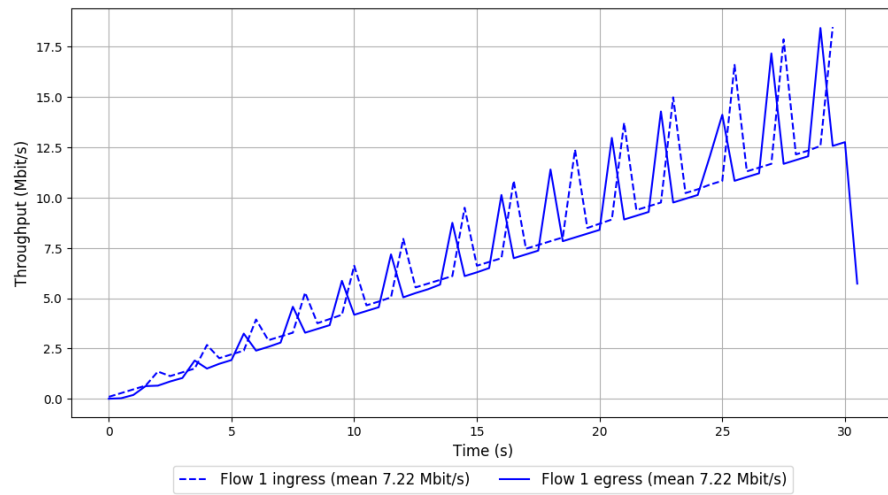


Run 1: Statistics of LEDBAT

Start at: 2018-08-09 20:23:31
End at: 2018-08-09 20:24:01
Local clock offset: 0.075 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-10 00:49:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 114.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 114.442 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-09 20:45:38

End at: 2018-08-09 20:46:08

Local clock offset: -0.197 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-10 00:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 116.100 ms

Loss rate: 0.00%

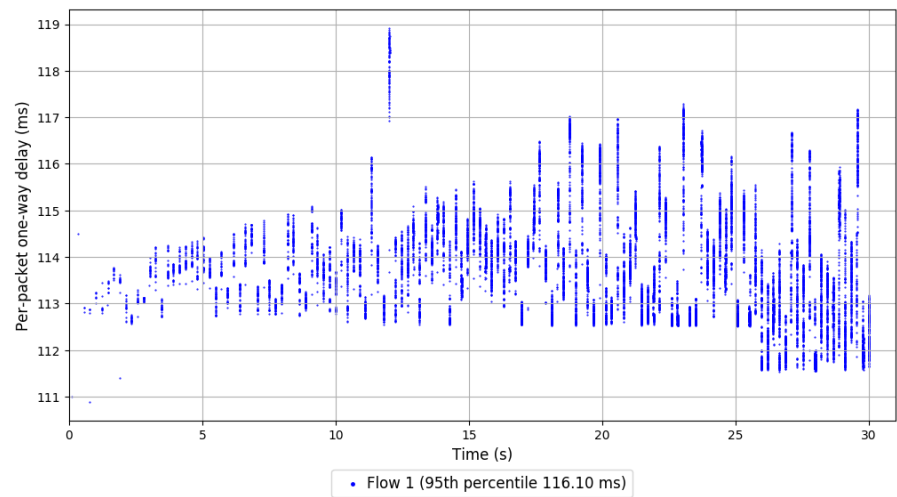
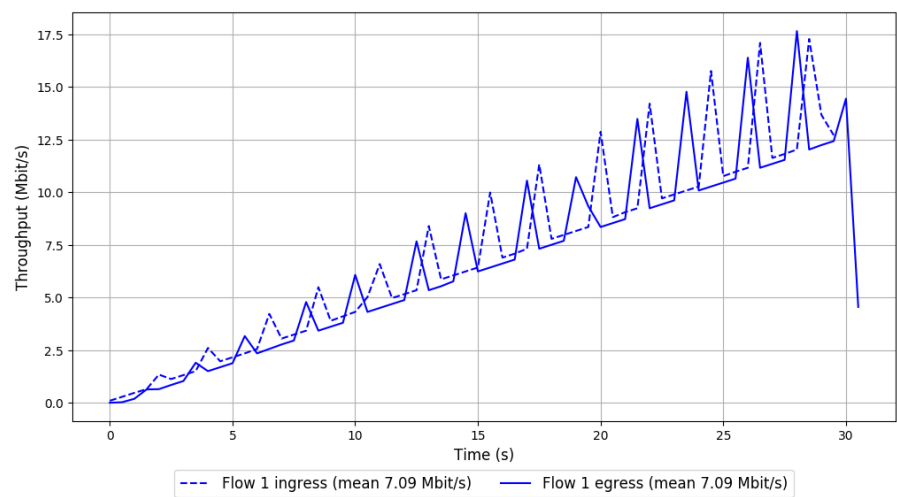
-- Flow 1:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 116.100 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

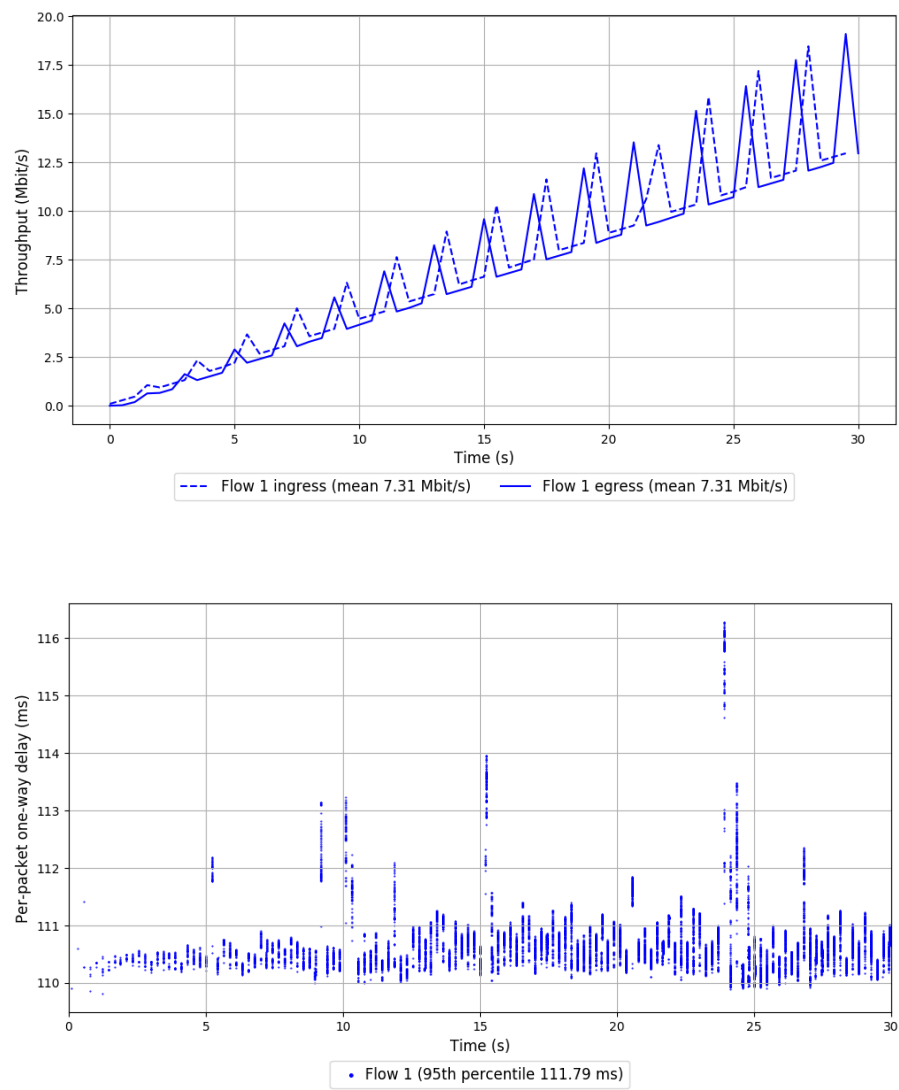


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 21:07:41
End at: 2018-08-09 21:08:11
Local clock offset: 0.293 ms
Remote clock offset: -0.591 ms

Below is generated by plot.py at 2018-08-10 00:49:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 111.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 111.787 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

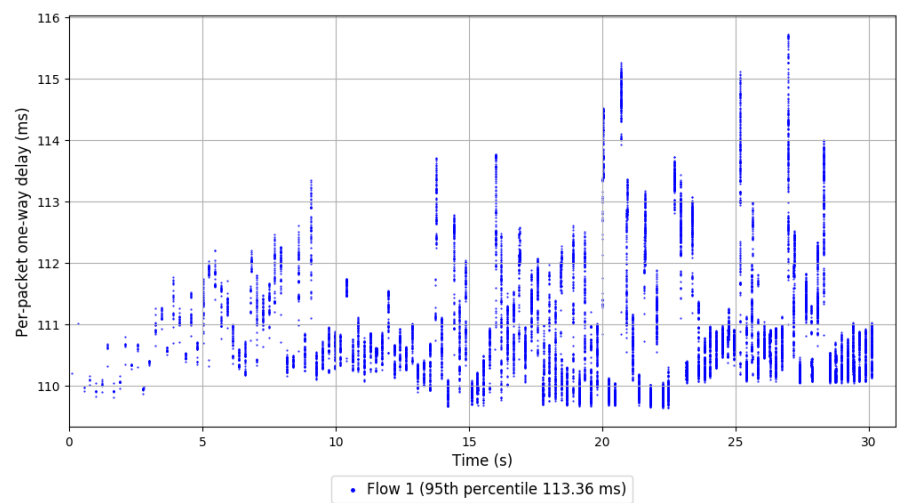
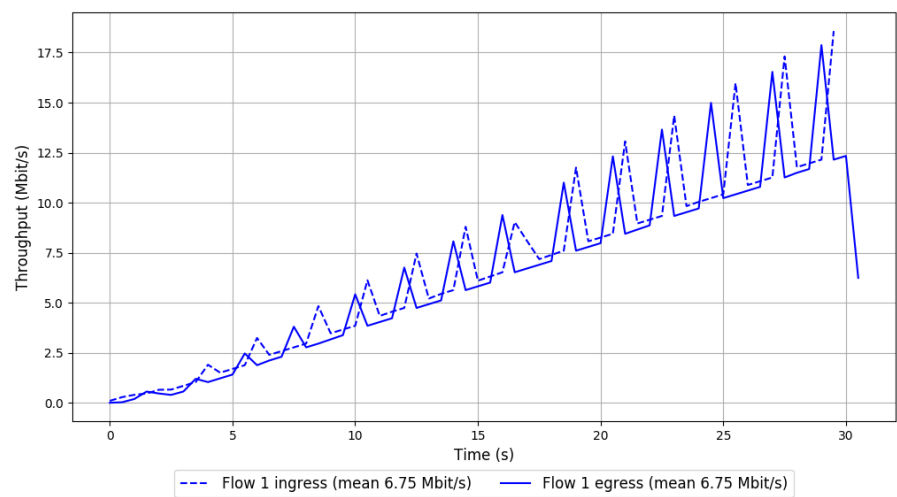


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 21:29:51
End at: 2018-08-09 21:30:21
Local clock offset: 0.678 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-08-10 00:49:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 113.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 113.356 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

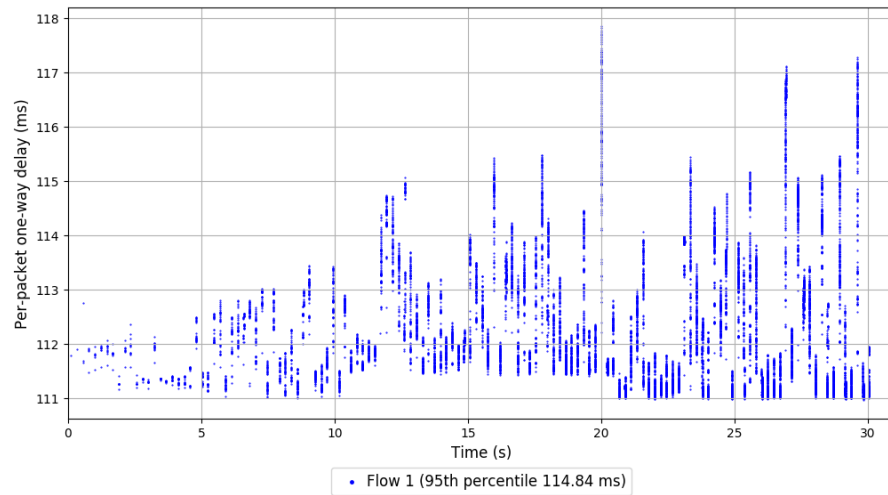
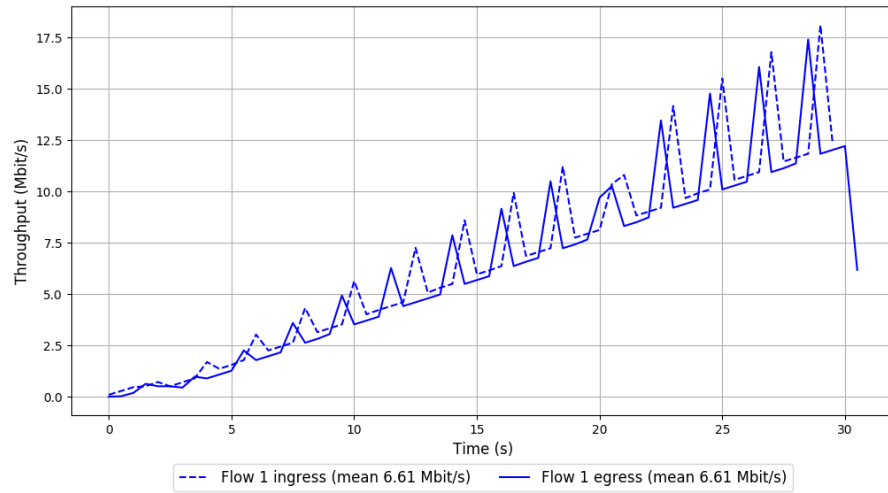


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 21:52:13
End at: 2018-08-09 21:52:43
Local clock offset: -0.282 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-10 00:49:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 114.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 114.840 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-09 22:14:19

End at: 2018-08-09 22:14:49

Local clock offset: 0.095 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-10 00:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 114.759 ms

Loss rate: 0.00%

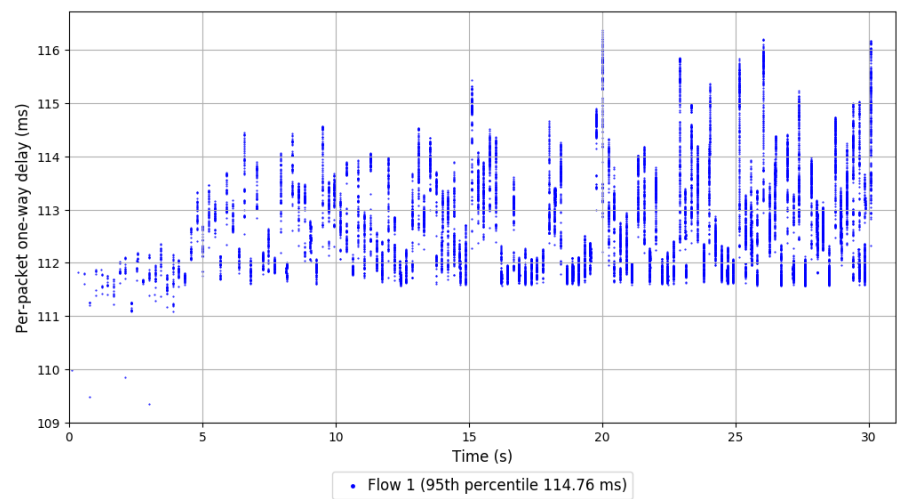
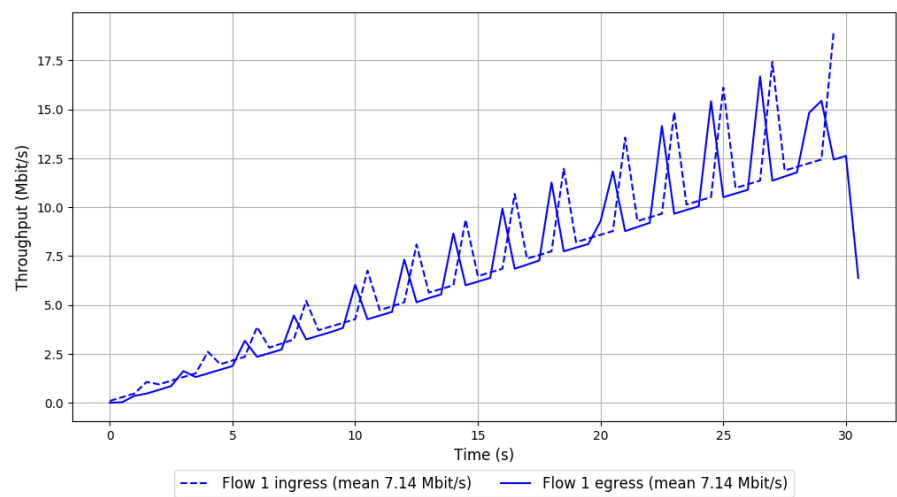
-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 114.759 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

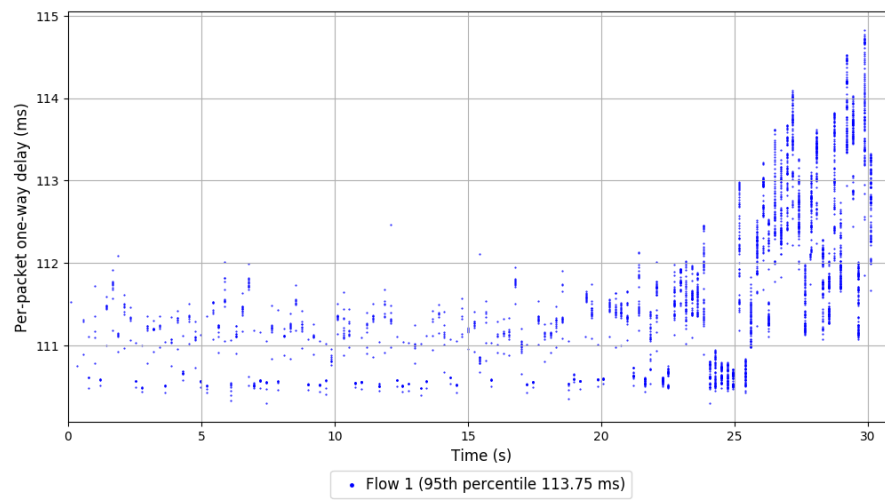
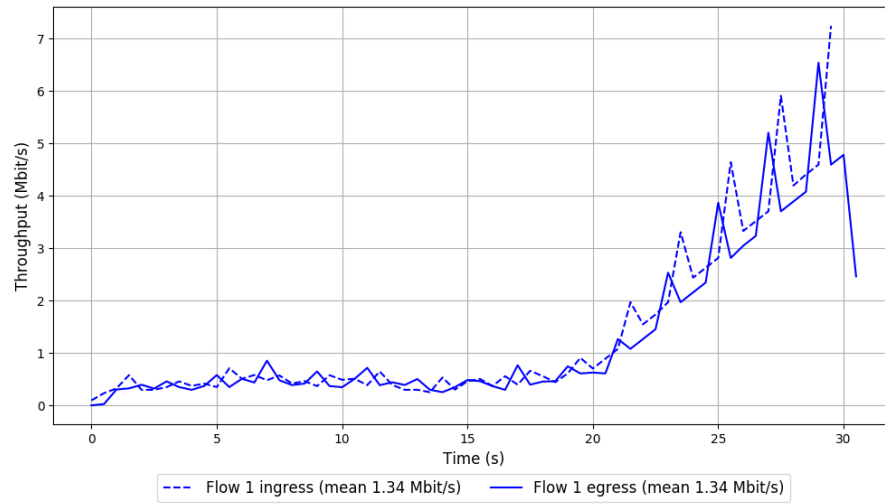


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 22:36:18
End at: 2018-08-09 22:36:48
Local clock offset: -0.057 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-08-10 00:49:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 113.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 113.750 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-09 22:58:17

End at: 2018-08-09 22:58:47

Local clock offset: -1.386 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-08-10 00:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 115.631 ms

Loss rate: 0.00%

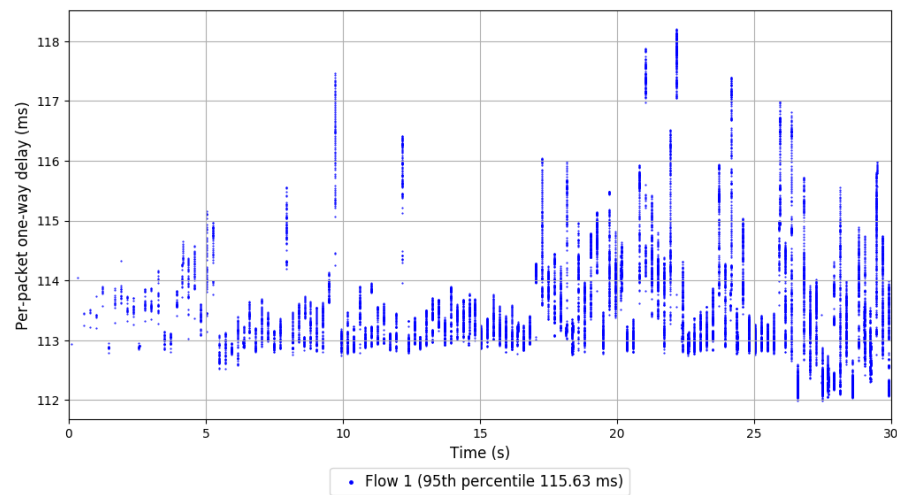
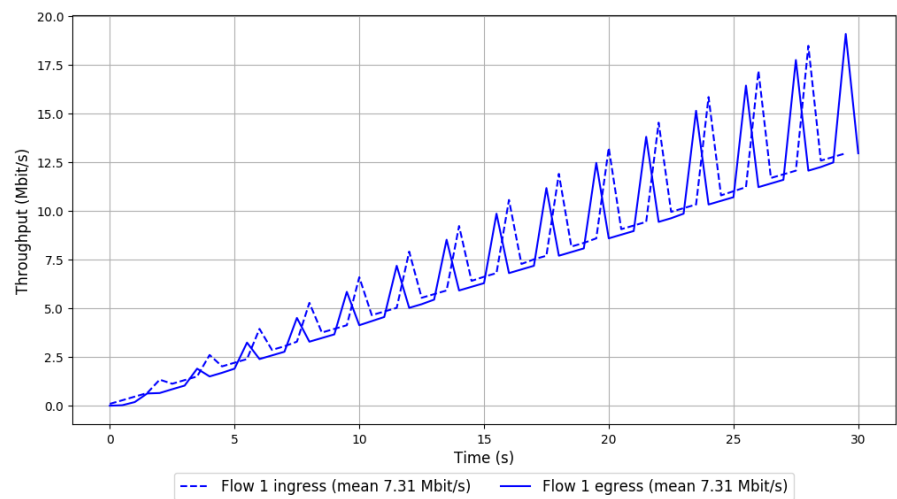
-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 115.631 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

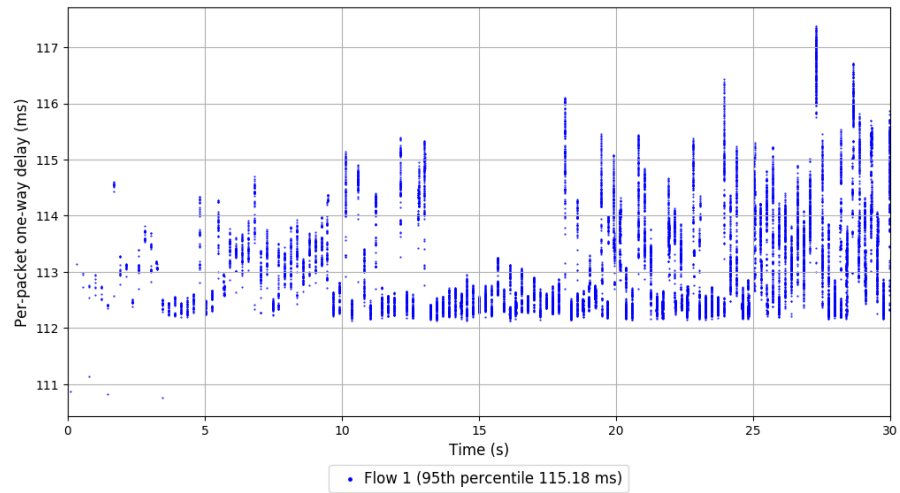
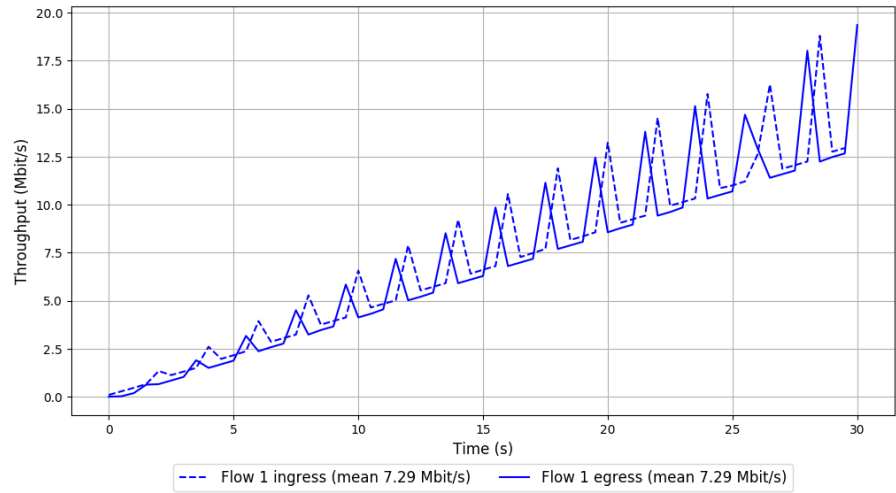


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 23:20:47
End at: 2018-08-09 23:21:17
Local clock offset: -1.304 ms
Remote clock offset: -0.431 ms

Below is generated by plot.py at 2018-08-10 00:49:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 115.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 115.178 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

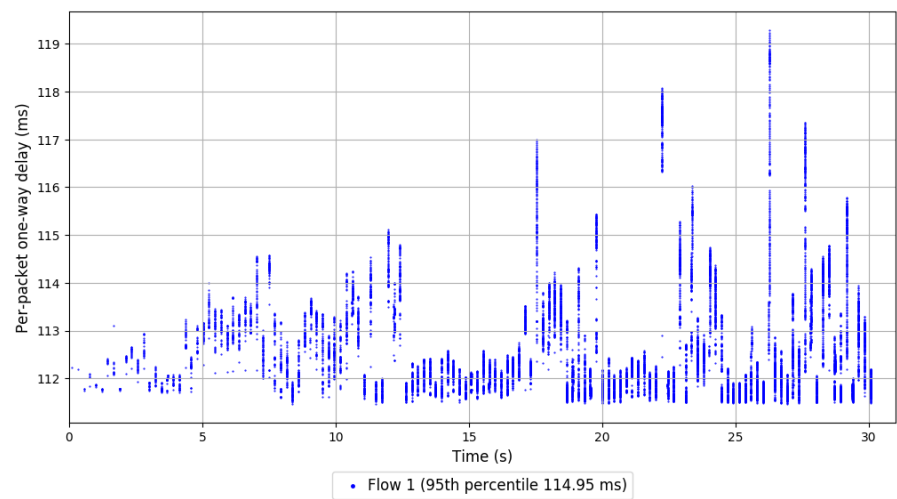
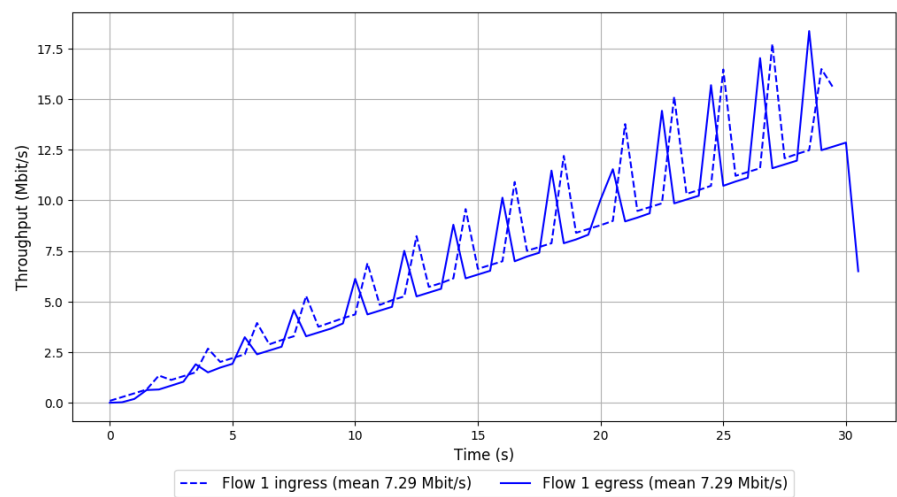


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 23:42:55
End at: 2018-08-09 23:43:25
Local clock offset: -0.324 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-10 00:49:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 114.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 114.947 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

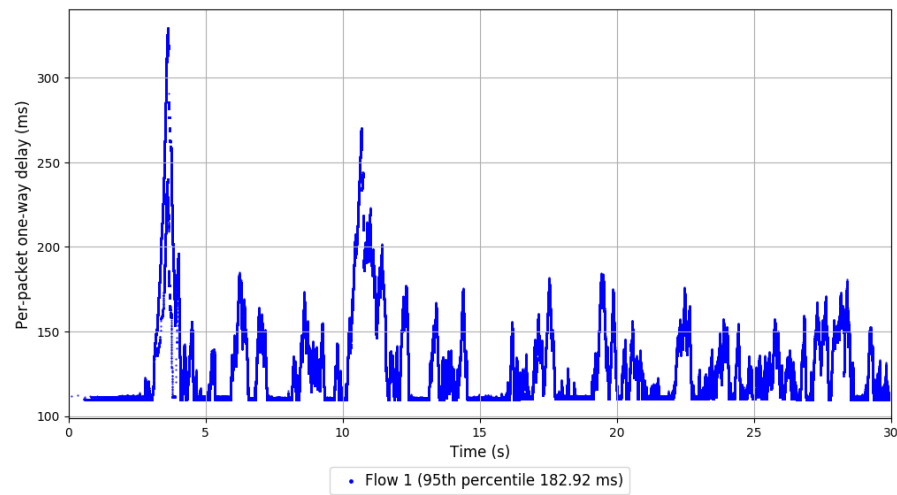
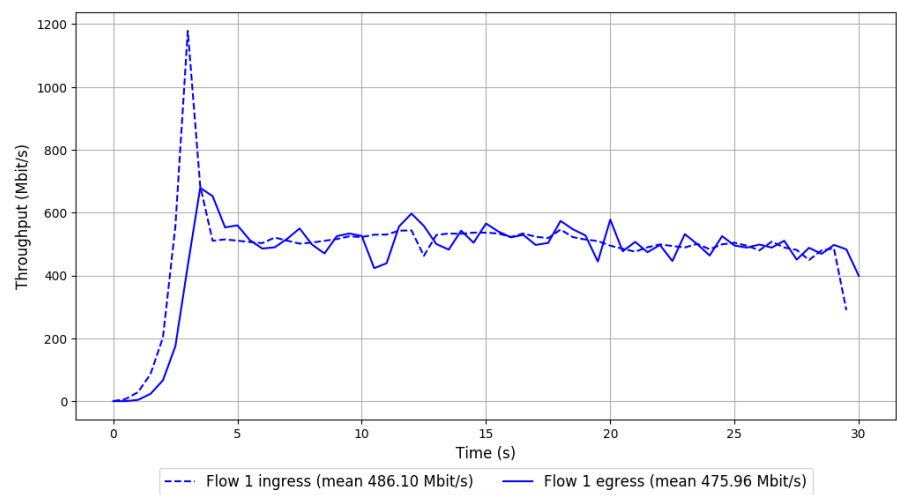


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 20:27:07
End at: 2018-08-09 20:27:37
Local clock offset: 0.44 ms
Remote clock offset: 0.211 ms

# Below is generated by plot.py at 2018-08-10 00:52:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 475.96 Mbit/s
95th percentile per-packet one-way delay: 182.918 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 475.96 Mbit/s
95th percentile per-packet one-way delay: 182.918 ms
Loss rate: 2.08%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 20:49:14

End at: 2018-08-09 20:49:44

Local clock offset: -0.731 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-10 00:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.58 Mbit/s

95th percentile per-packet one-way delay: 125.382 ms

Loss rate: 2.63%

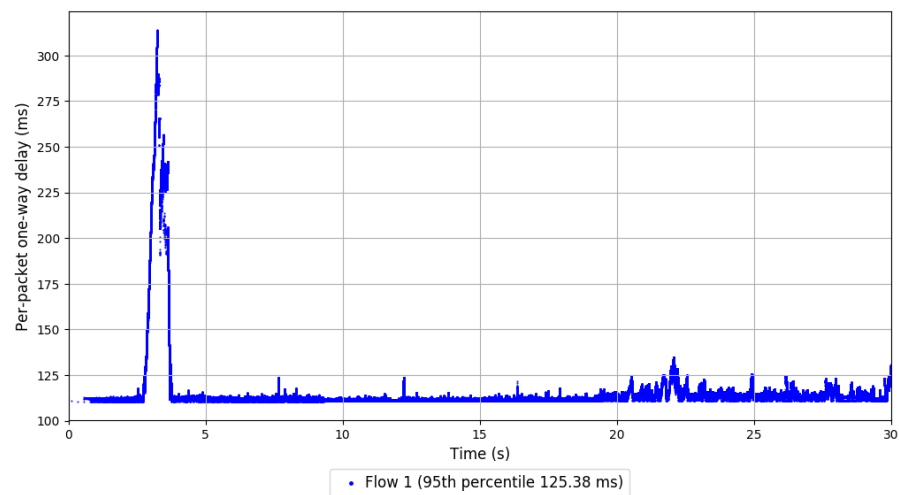
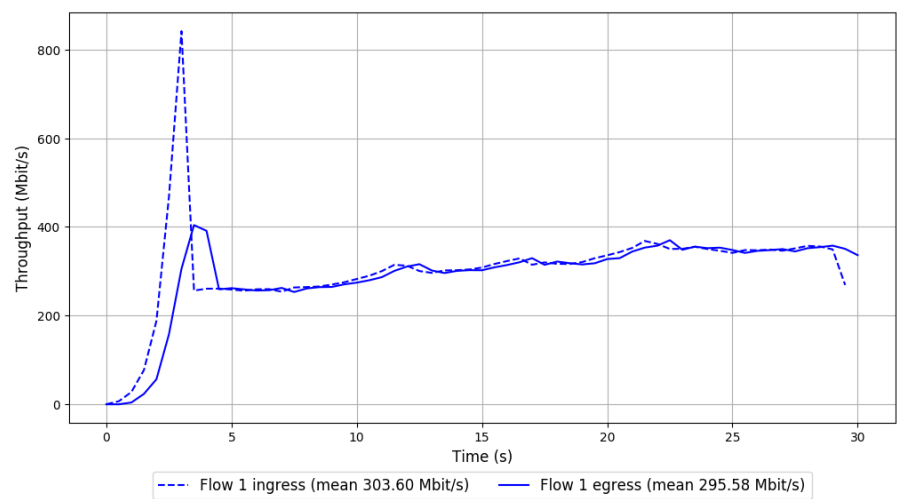
-- Flow 1:

Average throughput: 295.58 Mbit/s

95th percentile per-packet one-way delay: 125.382 ms

Loss rate: 2.63%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 21:11:13

End at: 2018-08-09 21:11:43

Local clock offset: 0.004 ms

Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-08-10 00:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.52 Mbit/s

95th percentile per-packet one-way delay: 164.612 ms

Loss rate: 1.24%

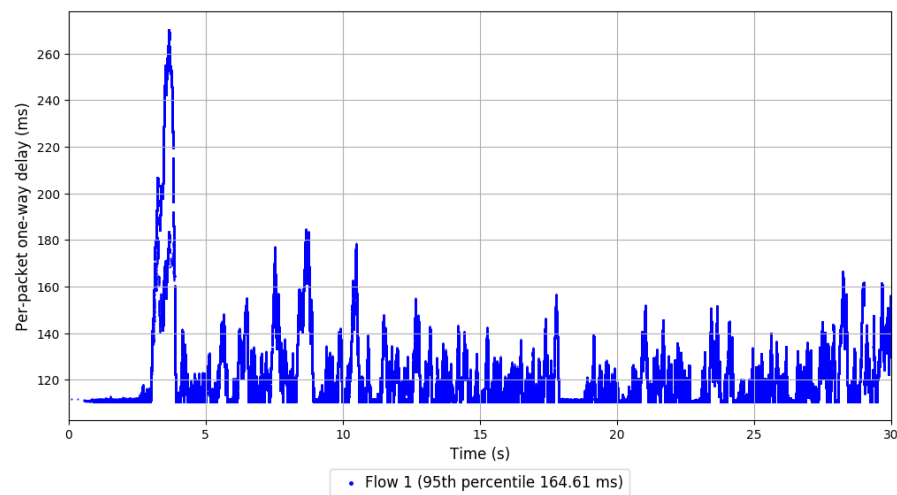
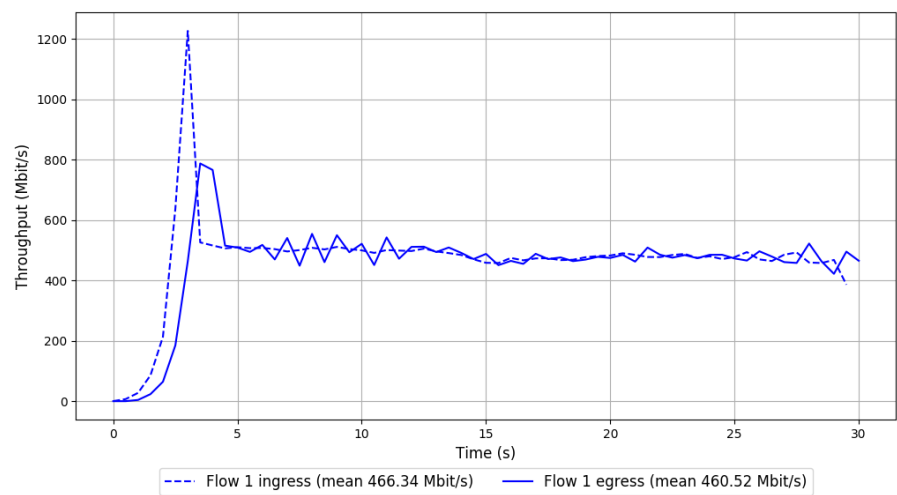
-- Flow 1:

Average throughput: 460.52 Mbit/s

95th percentile per-packet one-way delay: 164.612 ms

Loss rate: 1.24%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 21:33:22

End at: 2018-08-09 21:33:52

Local clock offset: -0.232 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-08-10 00:53:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 466.44 Mbit/s

95th percentile per-packet one-way delay: 229.644 ms

Loss rate: 3.93%

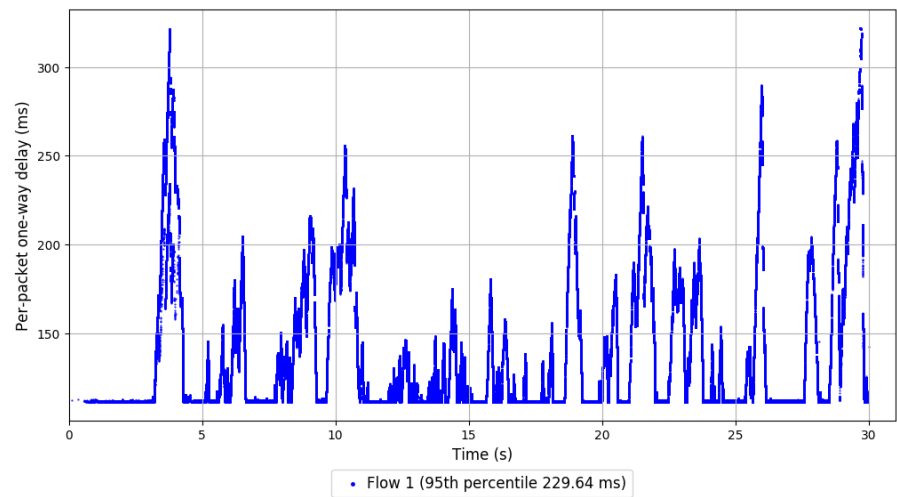
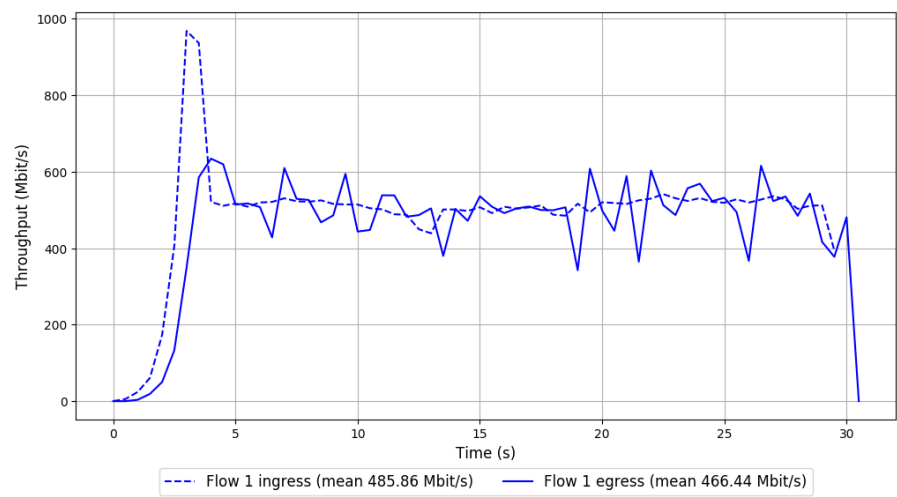
-- Flow 1:

Average throughput: 466.44 Mbit/s

95th percentile per-packet one-way delay: 229.644 ms

Loss rate: 3.93%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 21:55:44

End at: 2018-08-09 21:56:14

Local clock offset: -0.268 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-08-10 00:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.58 Mbit/s

95th percentile per-packet one-way delay: 215.583 ms

Loss rate: 3.33%

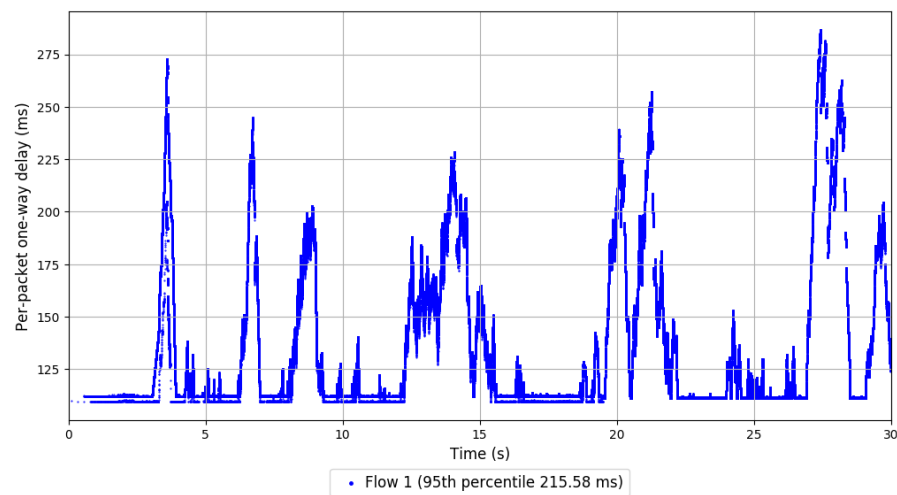
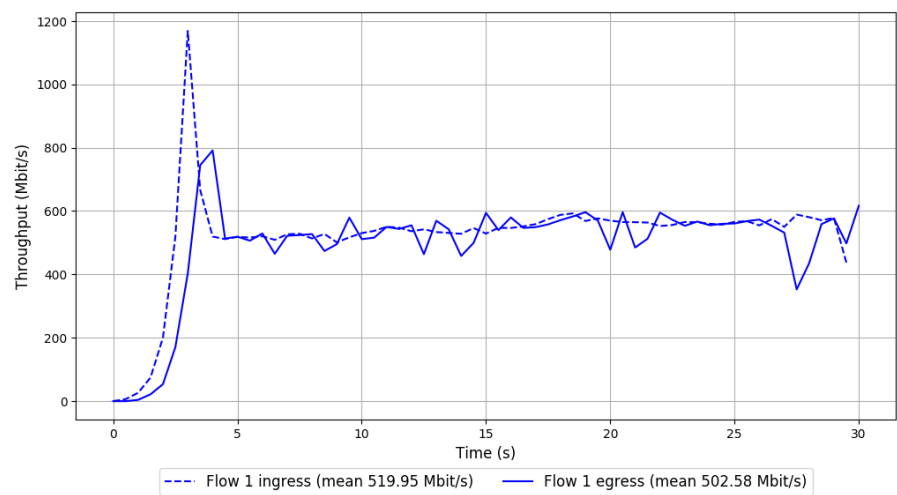
-- Flow 1:

Average throughput: 502.58 Mbit/s

95th percentile per-packet one-way delay: 215.583 ms

Loss rate: 3.33%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 22:17:50

End at: 2018-08-09 22:18:20

Local clock offset: 0.382 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-08-10 00:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.04 Mbit/s

95th percentile per-packet one-way delay: 168.390 ms

Loss rate: 1.46%

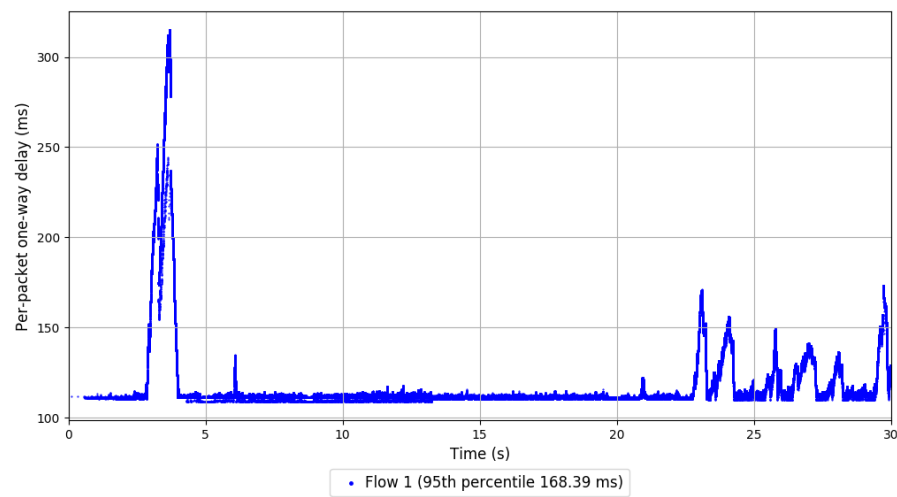
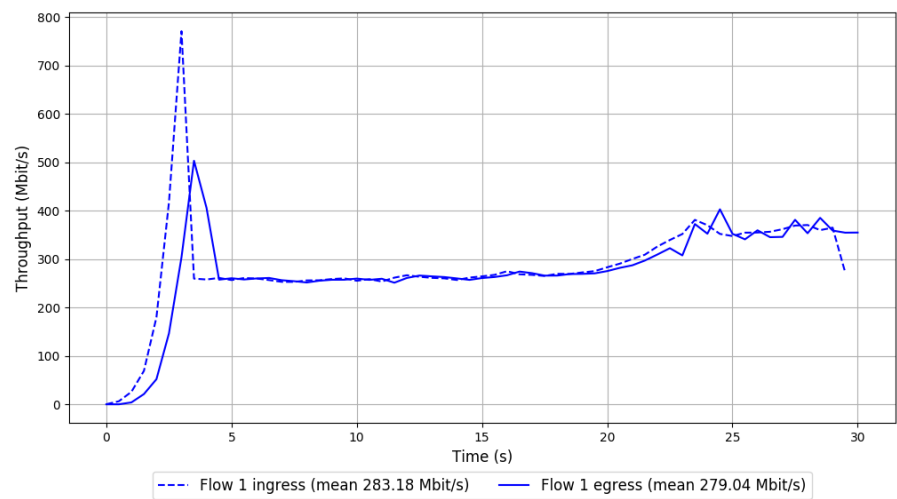
-- Flow 1:

Average throughput: 279.04 Mbit/s

95th percentile per-packet one-way delay: 168.390 ms

Loss rate: 1.46%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 22:39:47

End at: 2018-08-09 22:40:17

Local clock offset: 0.163 ms

Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-08-10 00:56:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.92 Mbit/s

95th percentile per-packet one-way delay: 150.830 ms

Loss rate: 0.33%

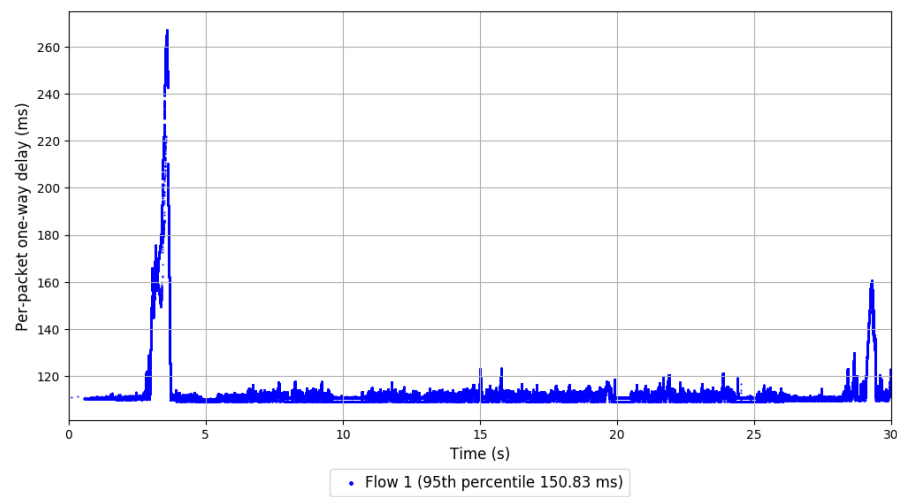
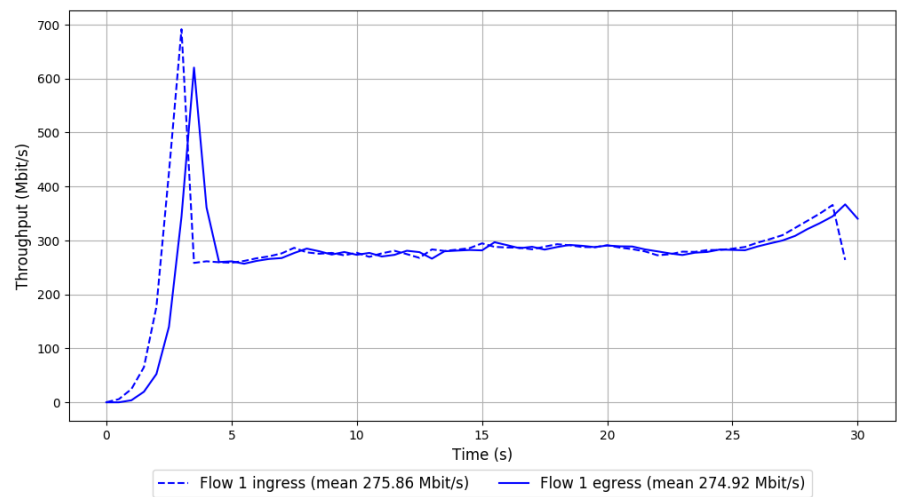
-- Flow 1:

Average throughput: 274.92 Mbit/s

95th percentile per-packet one-way delay: 150.830 ms

Loss rate: 0.33%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 23:01:49

End at: 2018-08-09 23:02:19

Local clock offset: 0.045 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-10 00:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.94 Mbit/s

95th percentile per-packet one-way delay: 214.759 ms

Loss rate: 2.98%

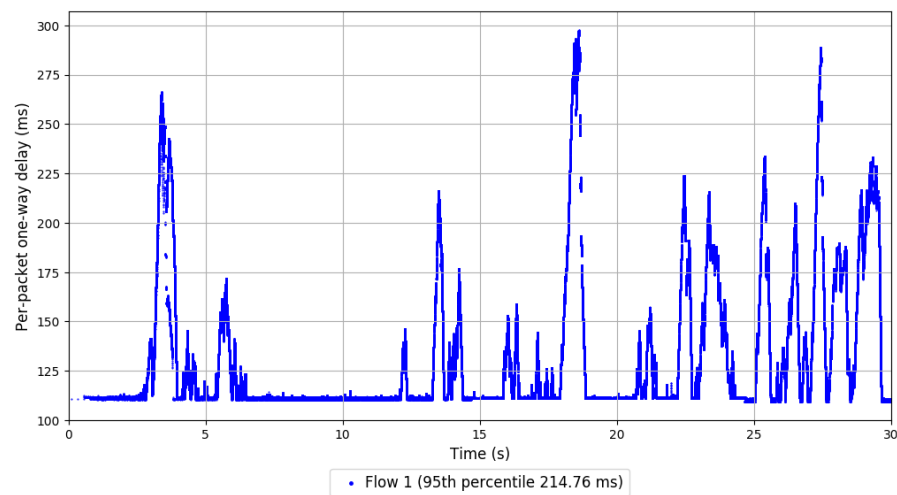
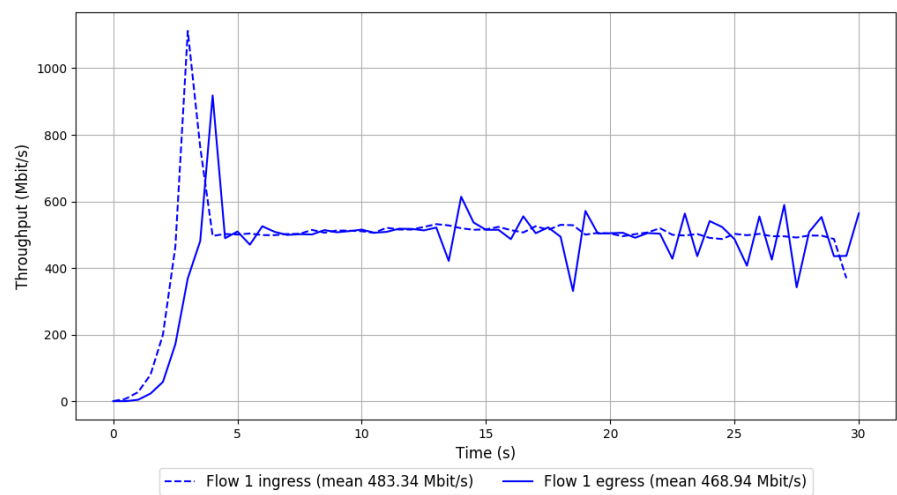
-- Flow 1:

Average throughput: 468.94 Mbit/s

95th percentile per-packet one-way delay: 214.759 ms

Loss rate: 2.98%

Run 8: Report of PCC-Allegro — Data Link

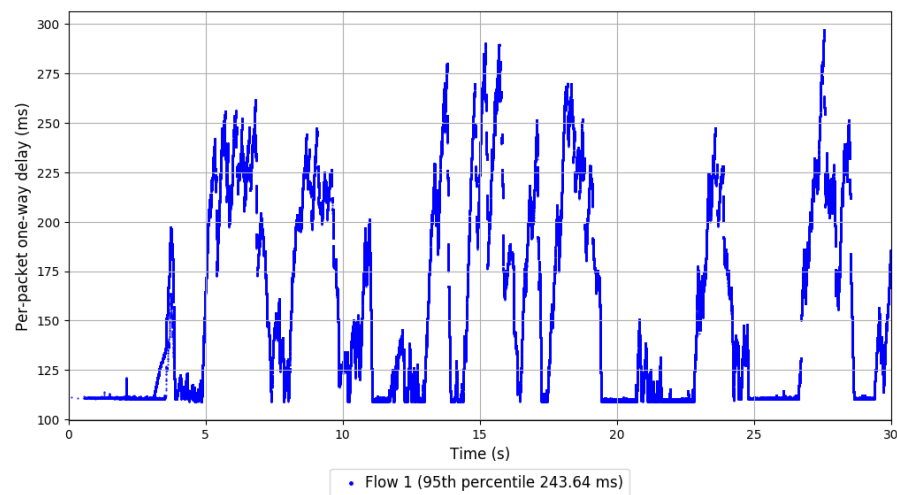
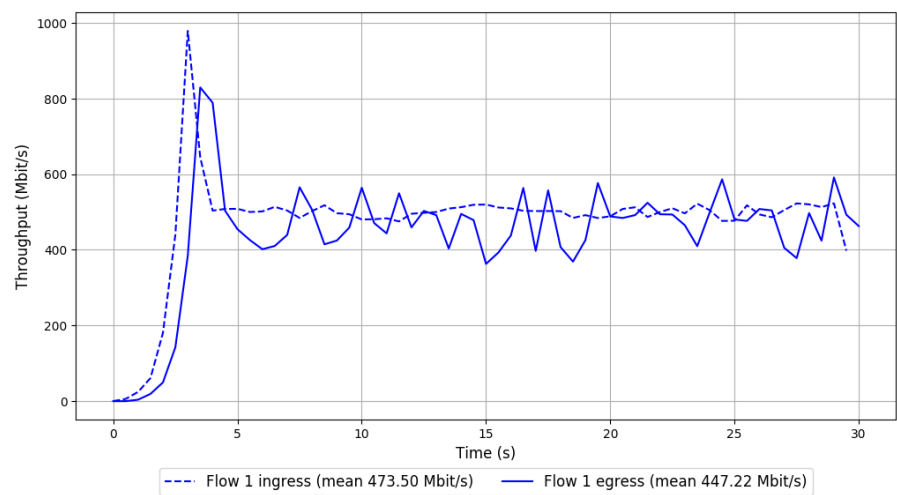


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 23:24:19
End at: 2018-08-09 23:24:49
Local clock offset: -0.111 ms
Remote clock offset: -0.822 ms

Below is generated by plot.py at 2018-08-10 00:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 447.22 Mbit/s
95th percentile per-packet one-way delay: 243.644 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 447.22 Mbit/s
95th percentile per-packet one-way delay: 243.644 ms
Loss rate: 5.55%

Run 9: Report of PCC-Allegro — Data Link

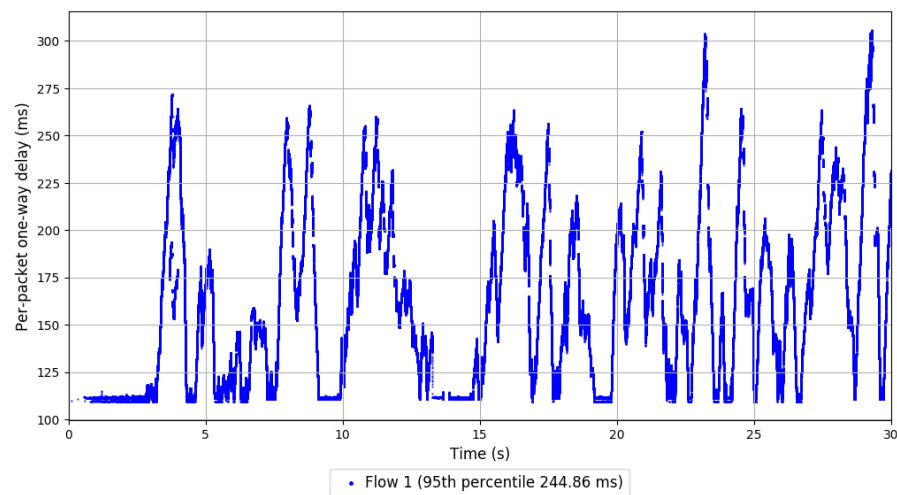
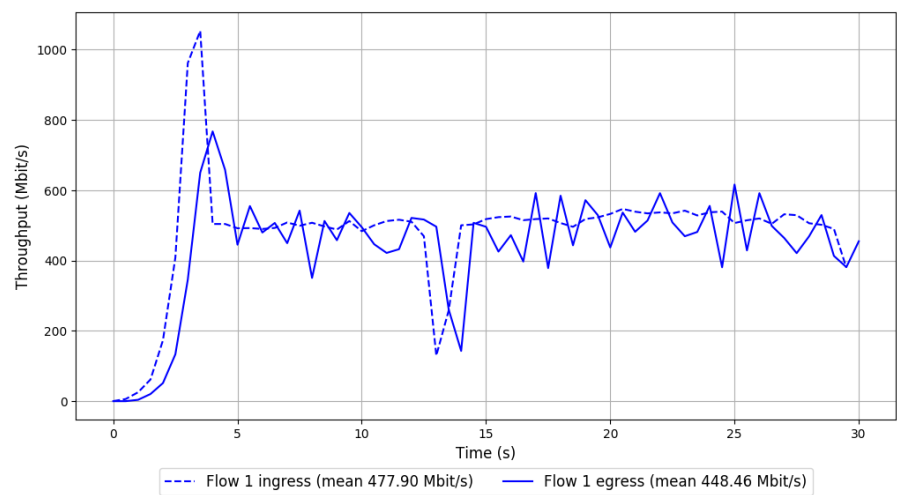


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 23:46:27
End at: 2018-08-09 23:46:57
Local clock offset: 0.015 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-08-10 01:00:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 448.46 Mbit/s
95th percentile per-packet one-way delay: 244.863 ms
Loss rate: 6.15%
-- Flow 1:
Average throughput: 448.46 Mbit/s
95th percentile per-packet one-way delay: 244.863 ms
Loss rate: 6.15%

Run 10: Report of PCC-Allegro — Data Link

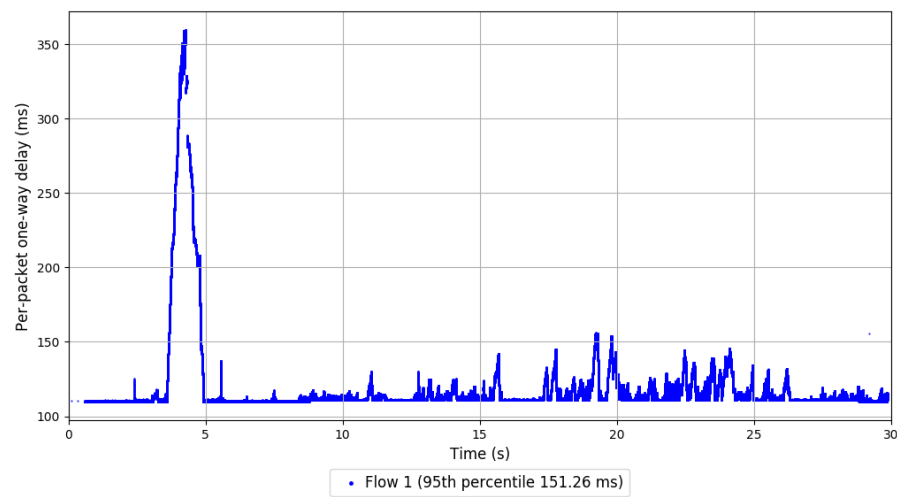
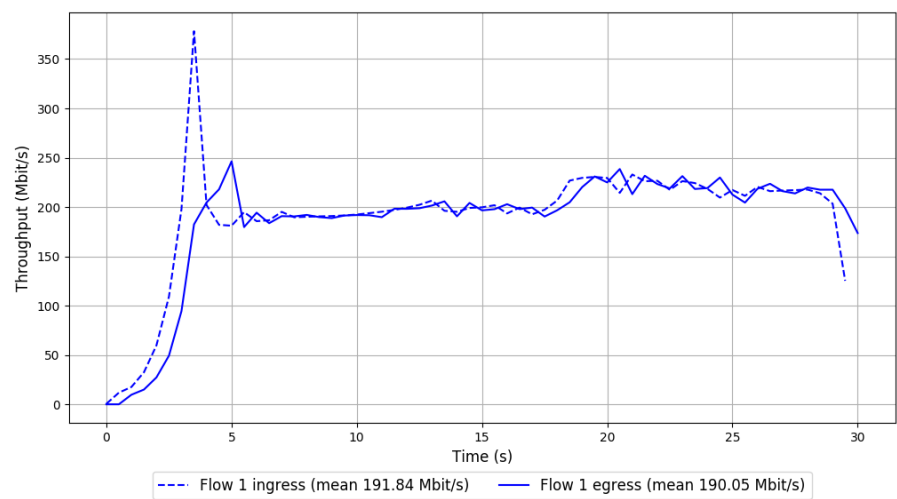


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 20:14:24
End at: 2018-08-09 20:14:55
Local clock offset: 0.142 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-08-10 01:00:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.05 Mbit/s
95th percentile per-packet one-way delay: 151.259 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 190.05 Mbit/s
95th percentile per-packet one-way delay: 151.259 ms
Loss rate: 0.93%
```

Run 1: Report of PCC-Expr — Data Link

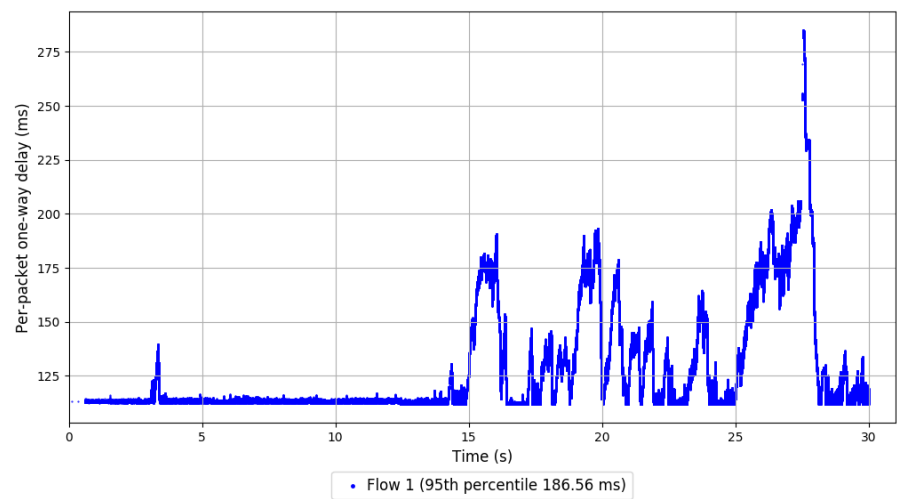
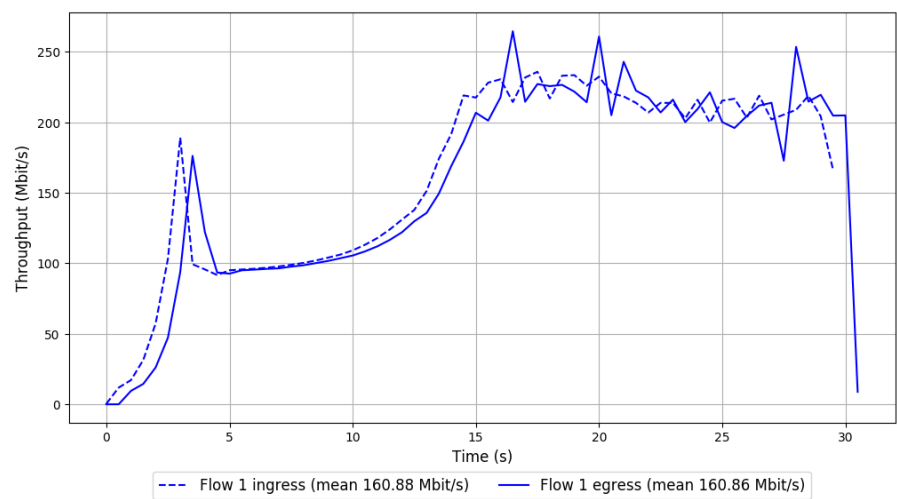


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 20:36:31
End at: 2018-08-09 20:37:01
Local clock offset: -0.883 ms
Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-08-10 01:00:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.86 Mbit/s
95th percentile per-packet one-way delay: 186.565 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.86 Mbit/s
95th percentile per-packet one-way delay: 186.565 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Expr — Data Link

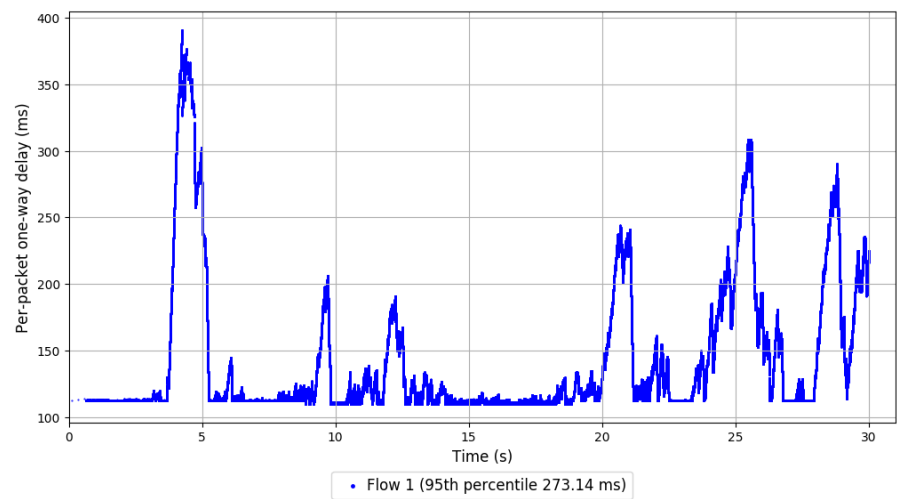
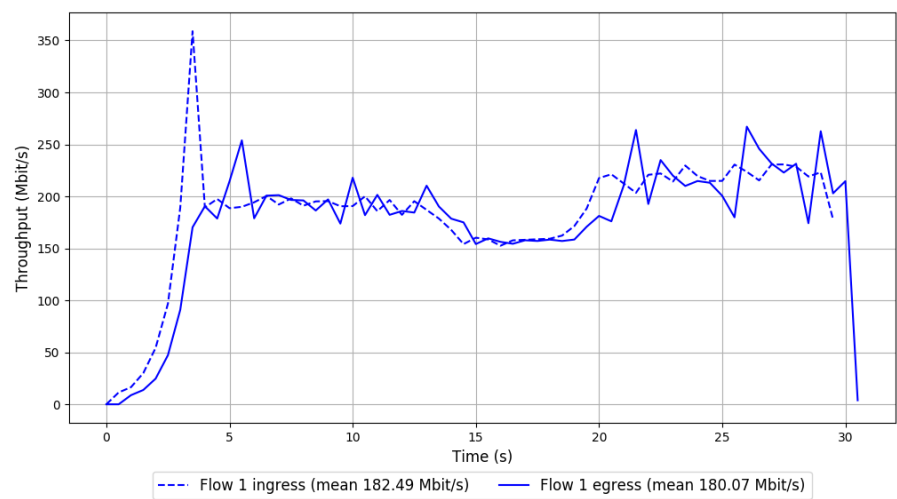


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 20:58:25
End at: 2018-08-09 20:58:55
Local clock offset: -0.124 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-10 01:00:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.07 Mbit/s
95th percentile per-packet one-way delay: 273.143 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 180.07 Mbit/s
95th percentile per-packet one-way delay: 273.143 ms
Loss rate: 1.33%

Run 3: Report of PCC-Expr — Data Link

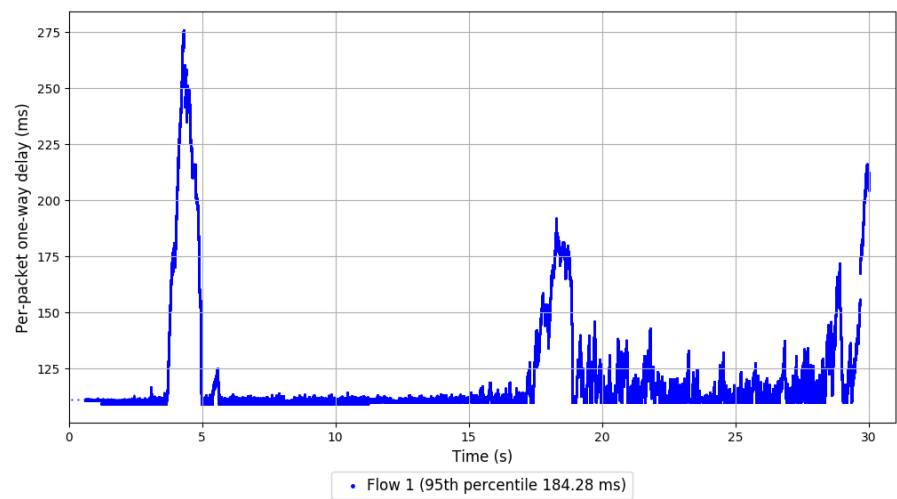
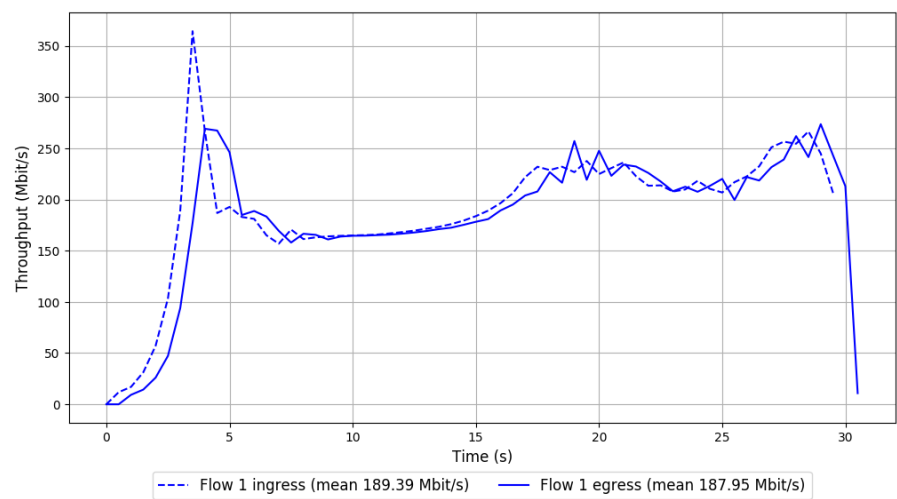


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 21:20:42
End at: 2018-08-09 21:21:12
Local clock offset: 0.045 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-08-10 01:00:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.95 Mbit/s
95th percentile per-packet one-way delay: 184.278 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 187.95 Mbit/s
95th percentile per-packet one-way delay: 184.278 ms
Loss rate: 0.76%

Run 4: Report of PCC-Expr — Data Link

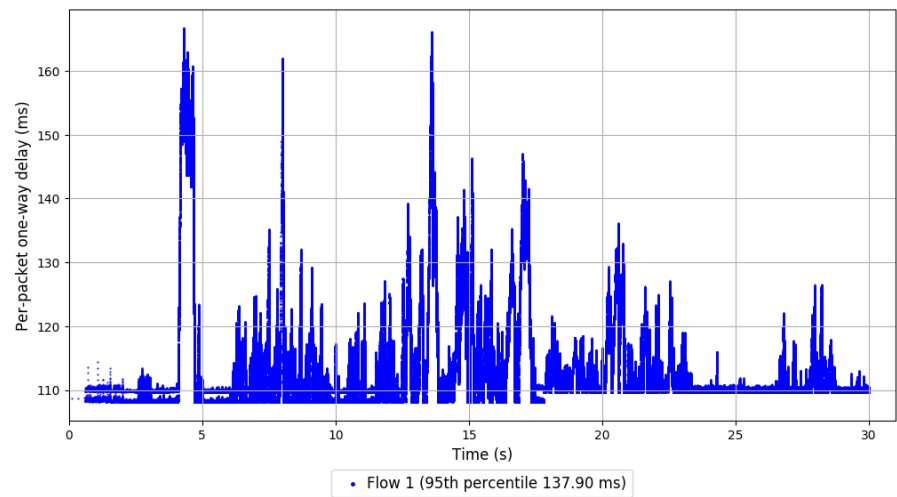
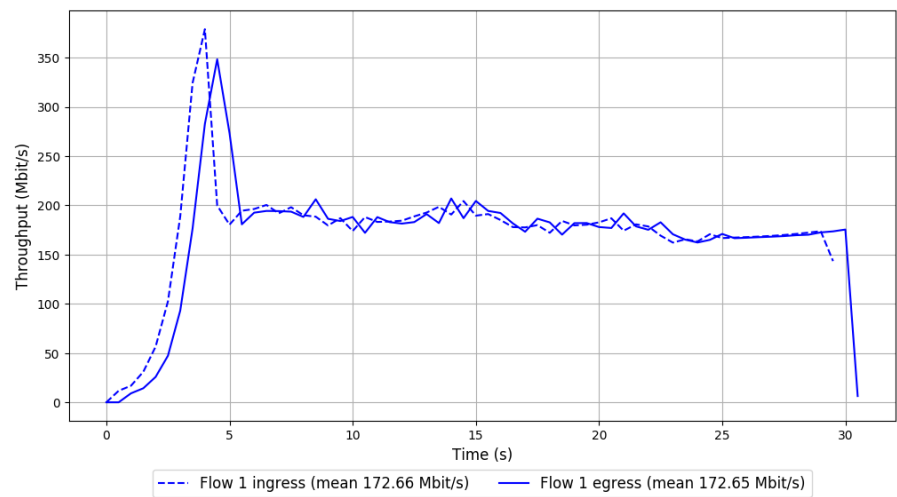


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 21:42:58
End at: 2018-08-09 21:43:28
Local clock offset: 0.581 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-08-10 01:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.65 Mbit/s
95th percentile per-packet one-way delay: 137.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.65 Mbit/s
95th percentile per-packet one-way delay: 137.900 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

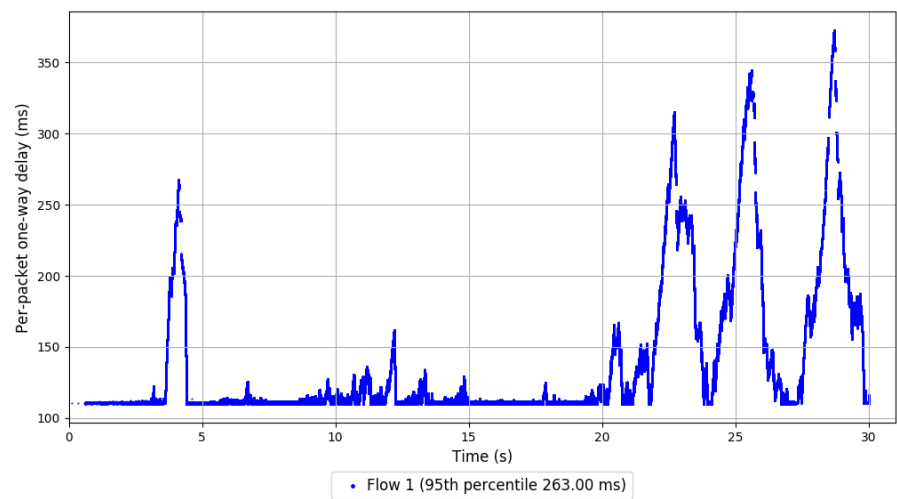
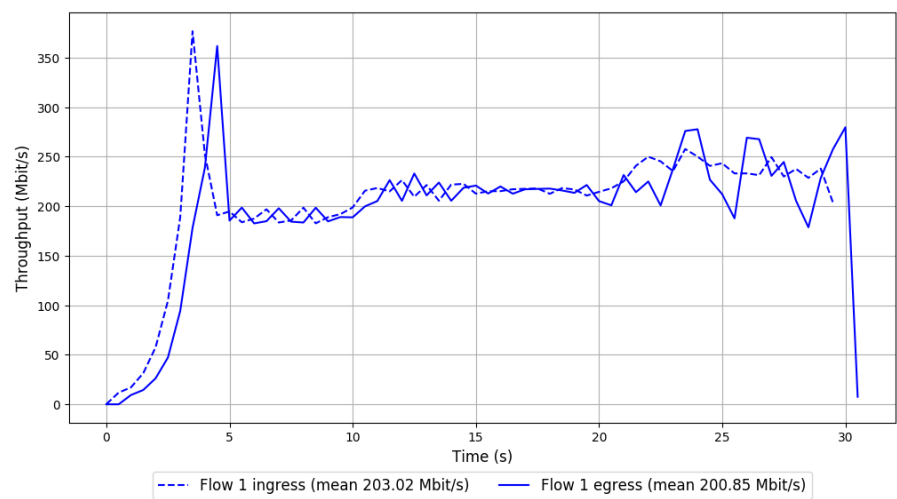


Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 22:05:16
End at: 2018-08-09 22:05:46
Local clock offset: -0.161 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-08-10 01:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.85 Mbit/s
95th percentile per-packet one-way delay: 262.998 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 200.85 Mbit/s
95th percentile per-packet one-way delay: 262.998 ms
Loss rate: 1.06%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 22:27:16

End at: 2018-08-09 22:27:46

Local clock offset: -0.758 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-08-10 01:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.10 Mbit/s

95th percentile per-packet one-way delay: 199.737 ms

Loss rate: 0.49%

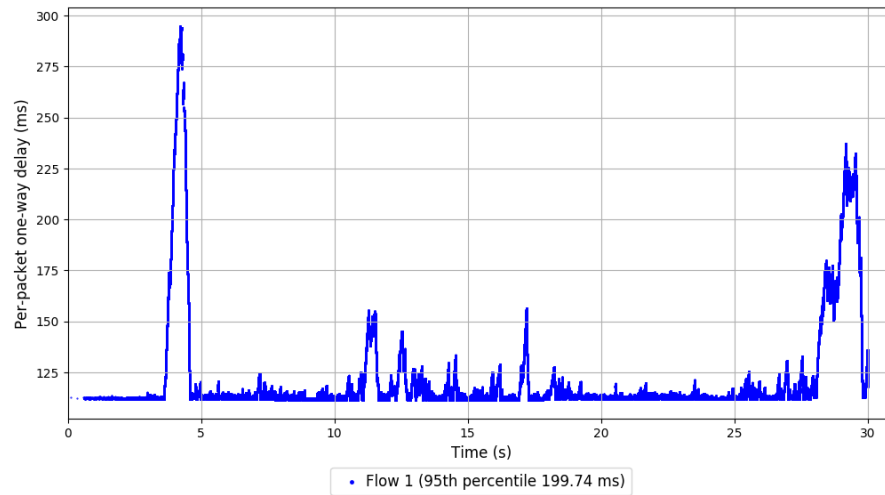
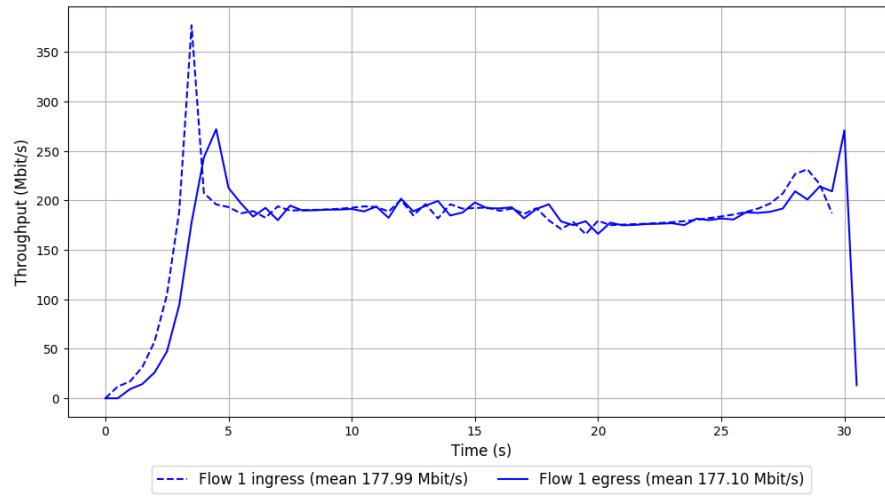
-- Flow 1:

Average throughput: 177.10 Mbit/s

95th percentile per-packet one-way delay: 199.737 ms

Loss rate: 0.49%

Run 7: Report of PCC-Expr — Data Link

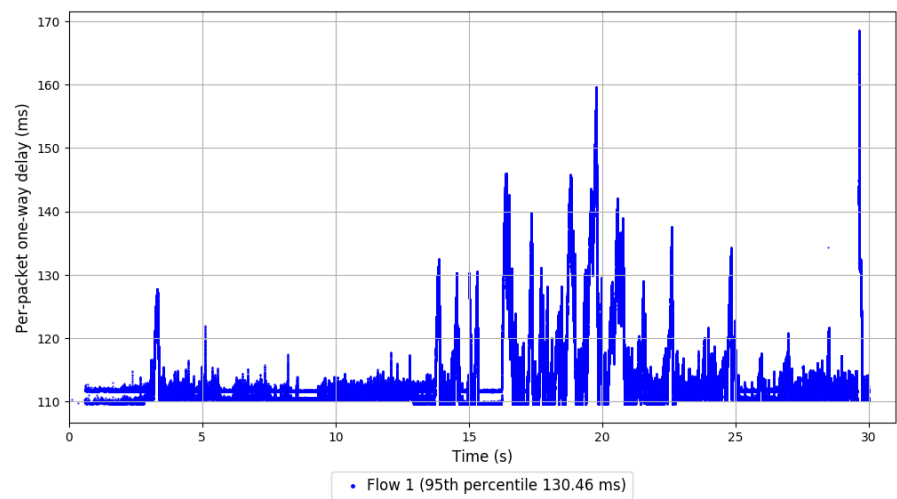
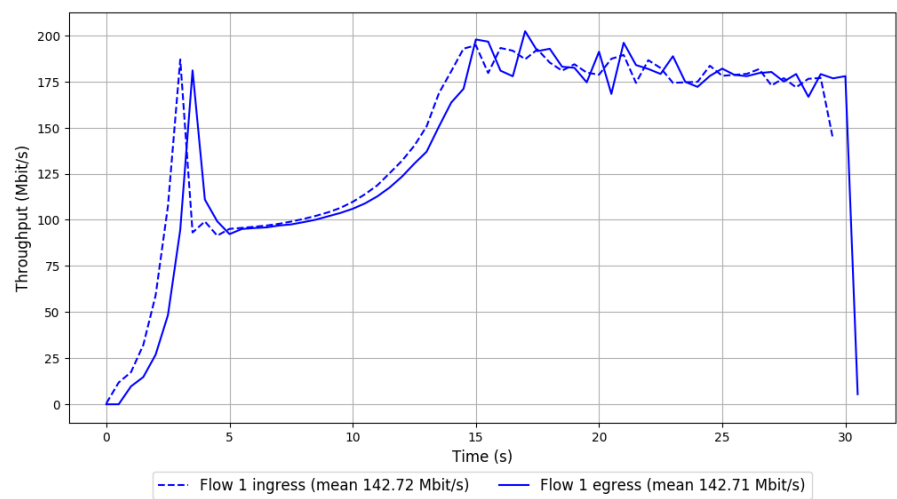


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 22:49:11
End at: 2018-08-09 22:49:41
Local clock offset: -0.594 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-08-10 01:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.71 Mbit/s
95th percentile per-packet one-way delay: 130.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.71 Mbit/s
95th percentile per-packet one-way delay: 130.457 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

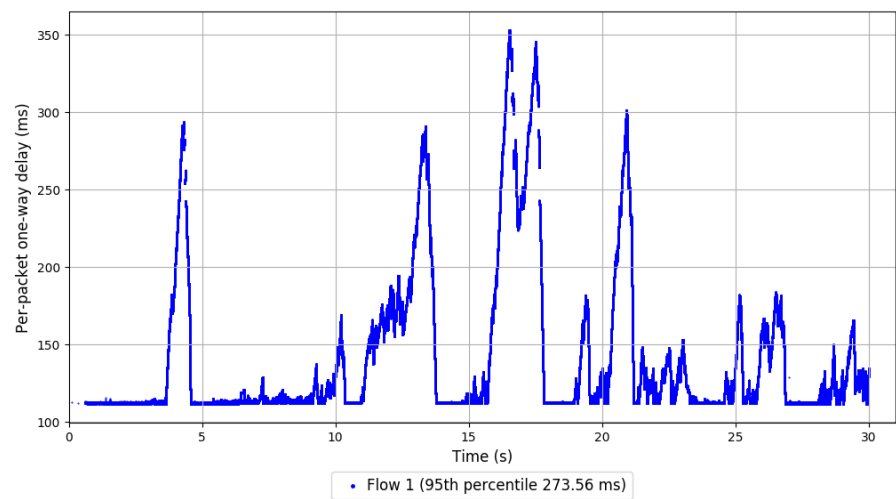
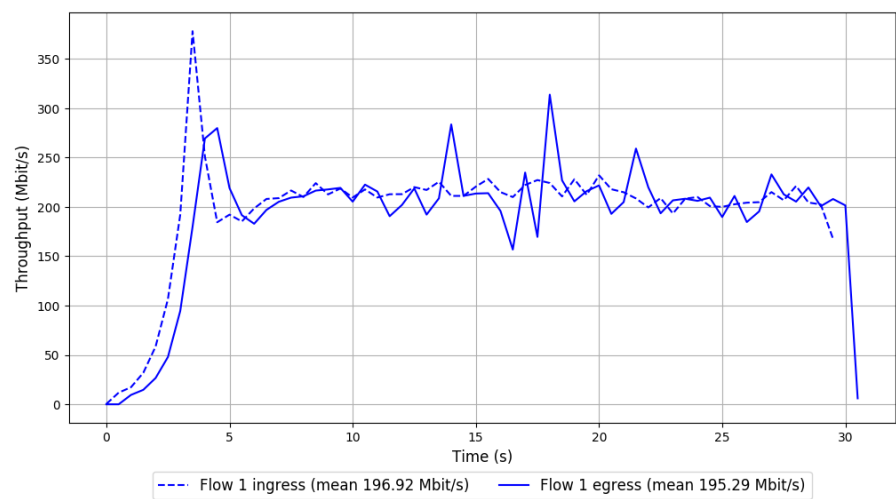


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 23:11:27
End at: 2018-08-09 23:11:57
Local clock offset: -1.044 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.29 Mbit/s
95th percentile per-packet one-way delay: 273.555 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 195.29 Mbit/s
95th percentile per-packet one-way delay: 273.555 ms
Loss rate: 0.83%

Run 9: Report of PCC-Expr — Data Link

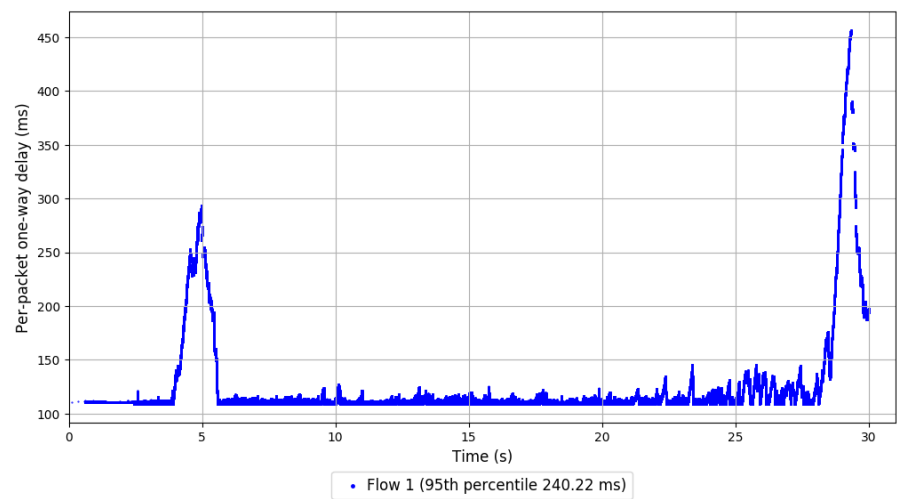
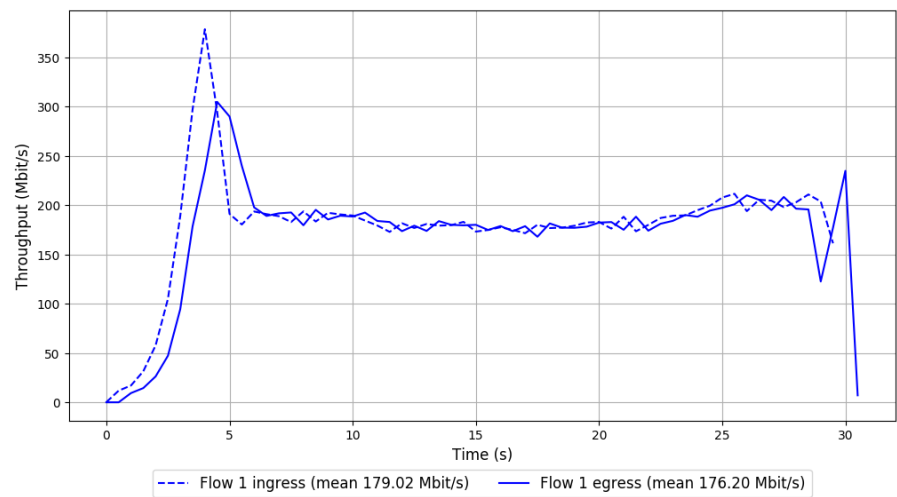


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 23:33:51
End at: 2018-08-09 23:34:21
Local clock offset: 0.528 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.20 Mbit/s
95th percentile per-packet one-way delay: 240.220 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 176.20 Mbit/s
95th percentile per-packet one-way delay: 240.220 ms
Loss rate: 1.57%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

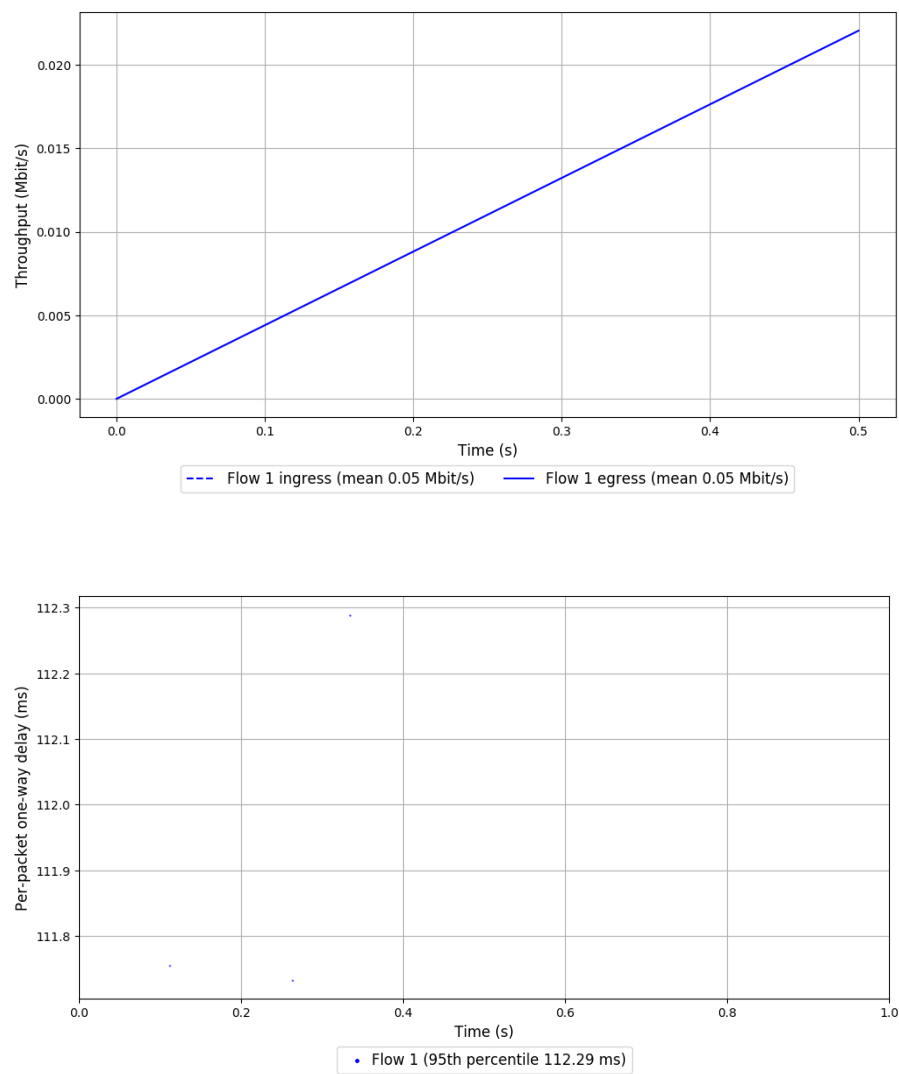
Start at: 2018-08-09 20:16:58

End at: 2018-08-09 20:17:28

Local clock offset: -1.329 ms

Remote clock offset: 0.311 ms

Run 1: Report of QUIC Cubic — Data Link

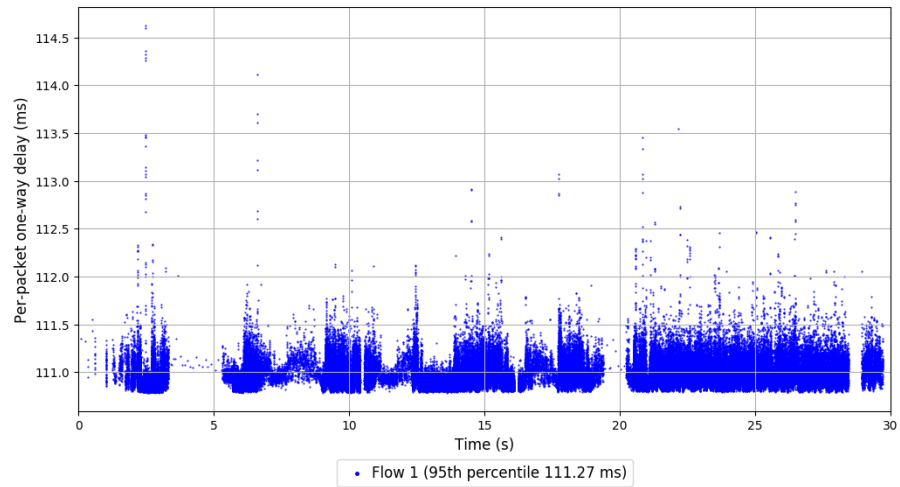
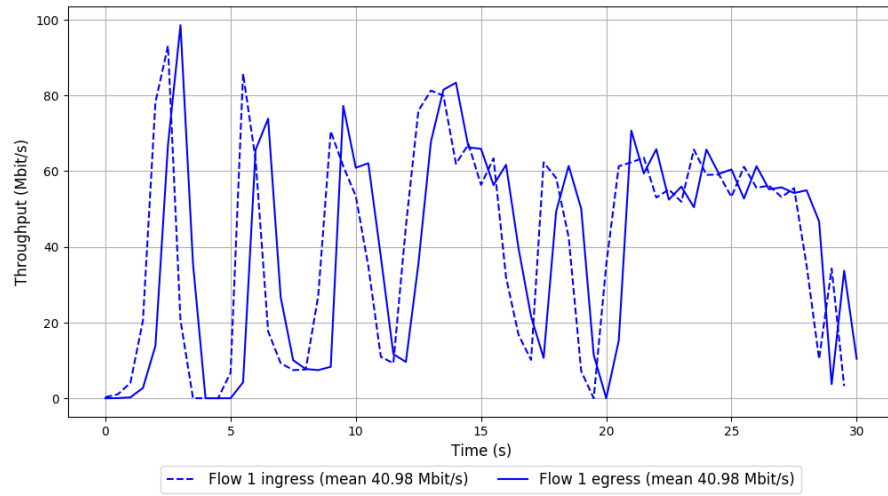


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 20:39:02
End at: 2018-08-09 20:39:32
Local clock offset: -0.119 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 111.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 111.270 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 21:00:57

End at: 2018-08-09 21:01:27

Local clock offset: -0.673 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 112.633 ms

Loss rate: 0.00%

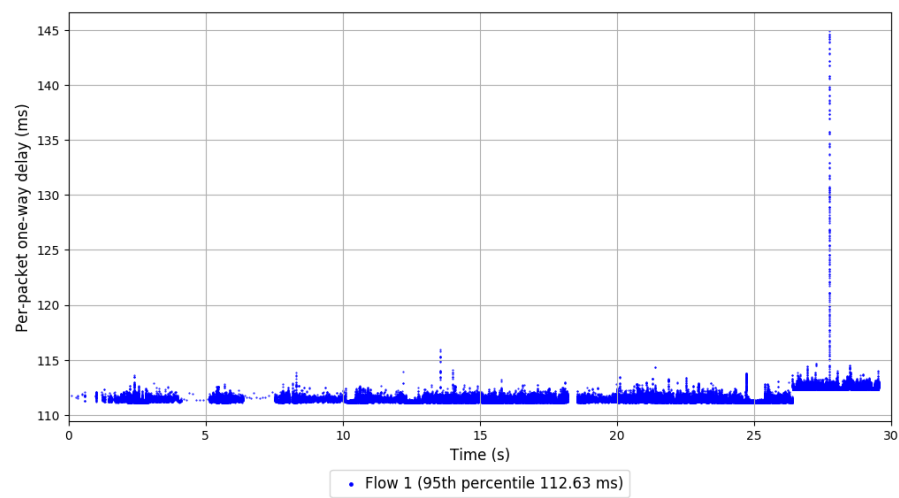
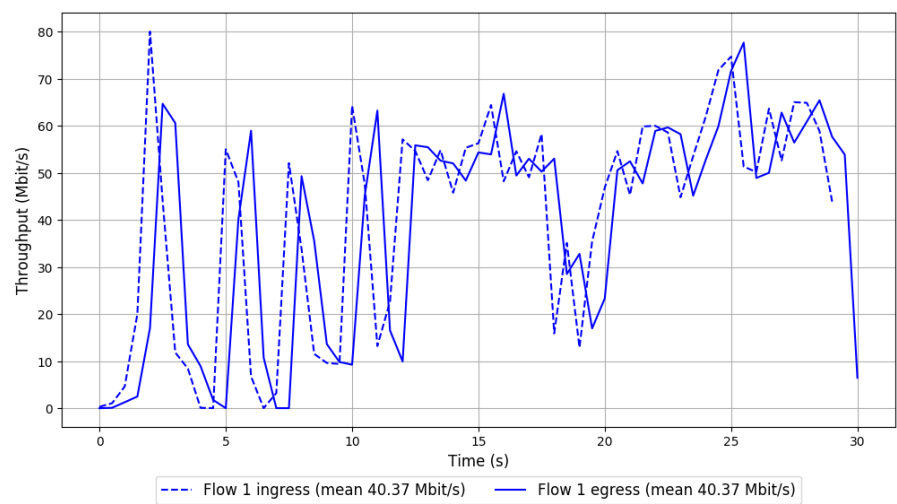
-- Flow 1:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 112.633 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 21:23:15

End at: 2018-08-09 21:23:45

Local clock offset: -0.094 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.69 Mbit/s

95th percentile per-packet one-way delay: 112.067 ms

Loss rate: 0.01%

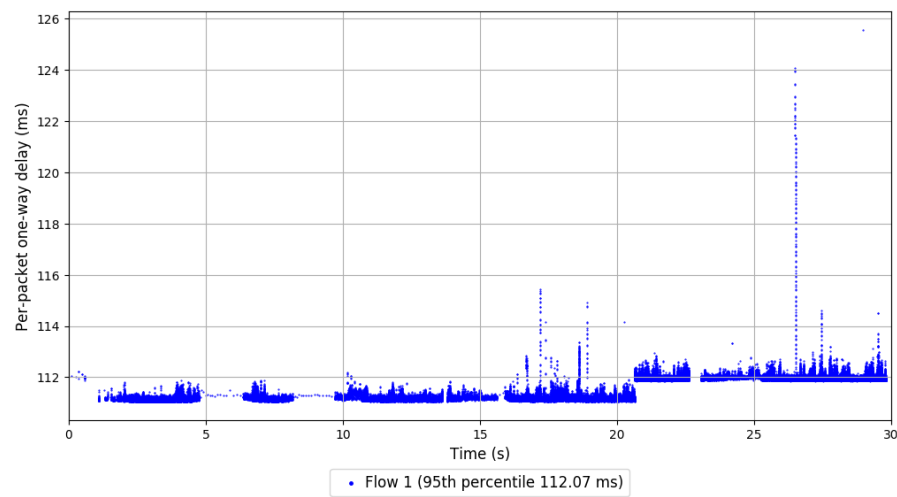
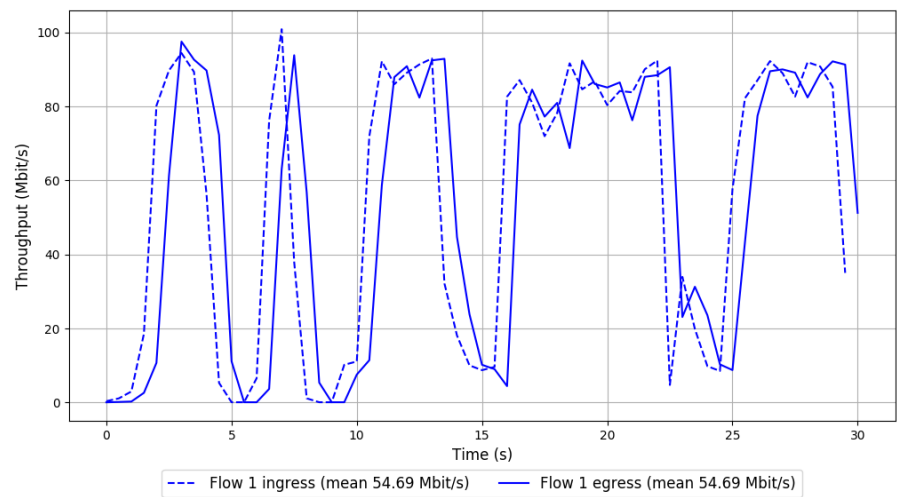
-- Flow 1:

Average throughput: 54.69 Mbit/s

95th percentile per-packet one-way delay: 112.067 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 21:45:28

End at: 2018-08-09 21:45:58

Local clock offset: -0.609 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 112.315 ms

Loss rate: 0.00%

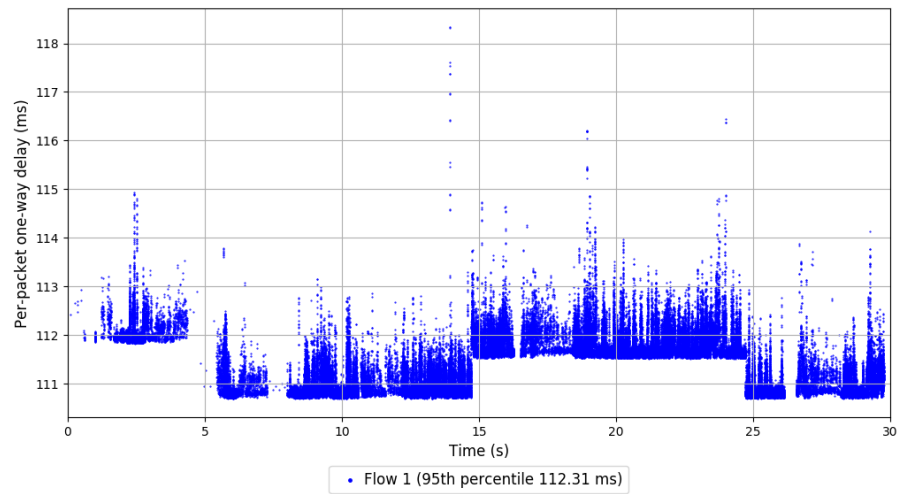
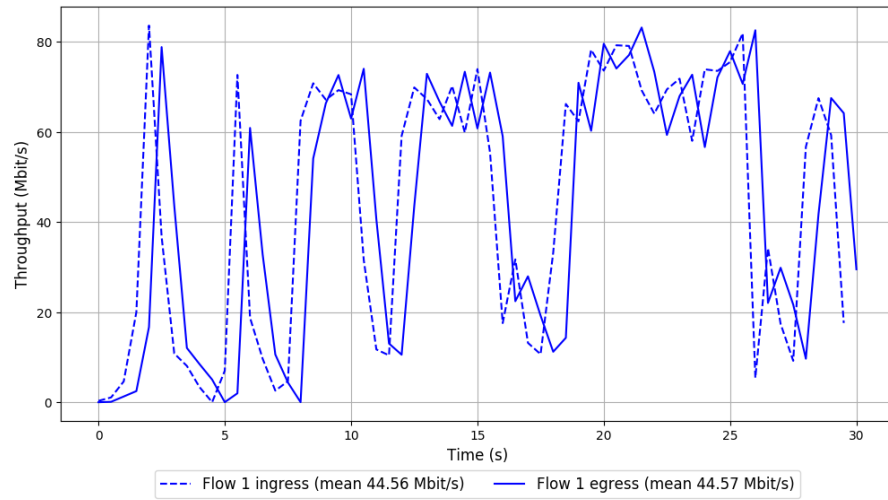
-- Flow 1:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 112.315 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 22:07:50

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

Local clock offset: -0.859 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 0.00%

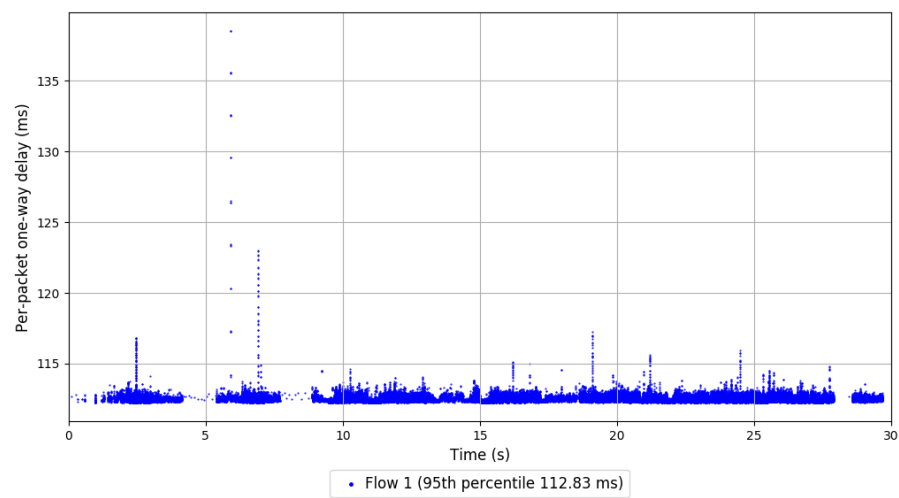
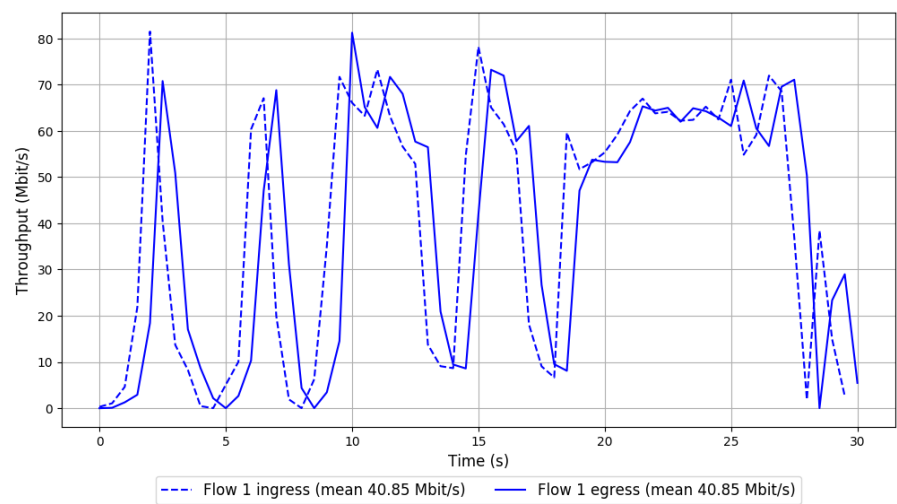
-- Flow 1:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

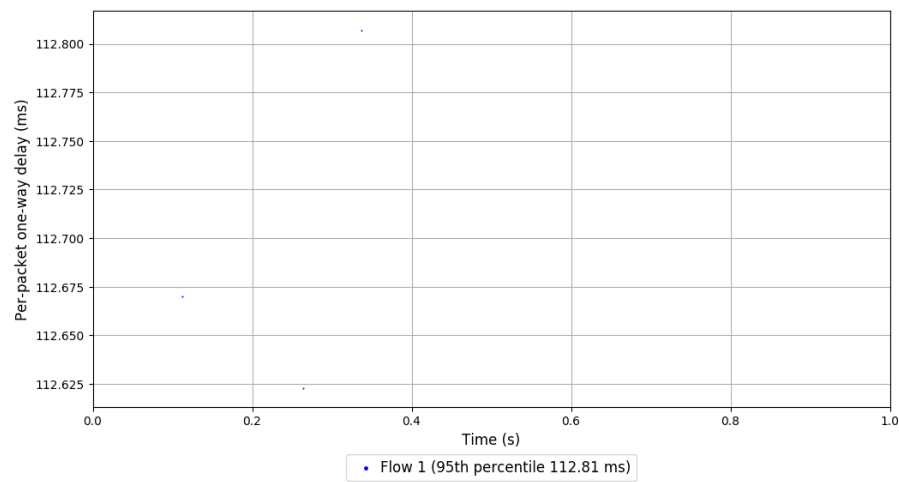
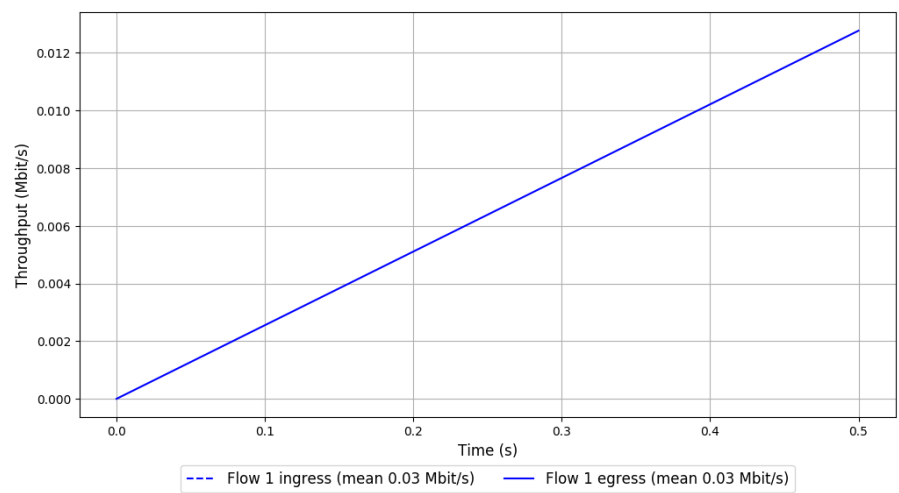
Start at: 2018-08-09 22:29:47

End at: 2018-08-09 22:30:18

Local clock offset: -0.718 ms

Remote clock offset: 0.211 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

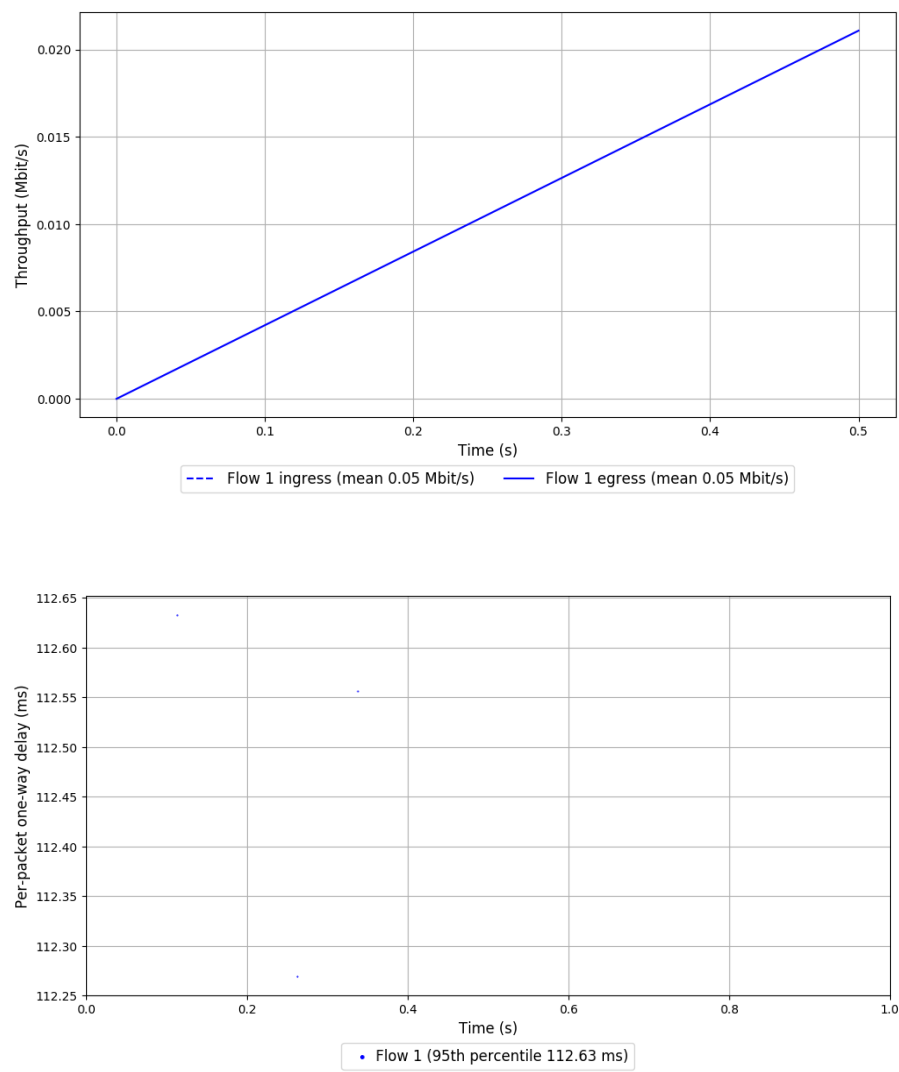
Start at: 2018-08-09 22:51:40

End at: 2018-08-09 22:52:10

Local clock offset: -0.015 ms

Remote clock offset: 0.146 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 23:14:02

End at: 2018-08-09 23:14:32

Local clock offset: 0.097 ms

Remote clock offset: -0.74 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 110.835 ms

Loss rate: 0.00%

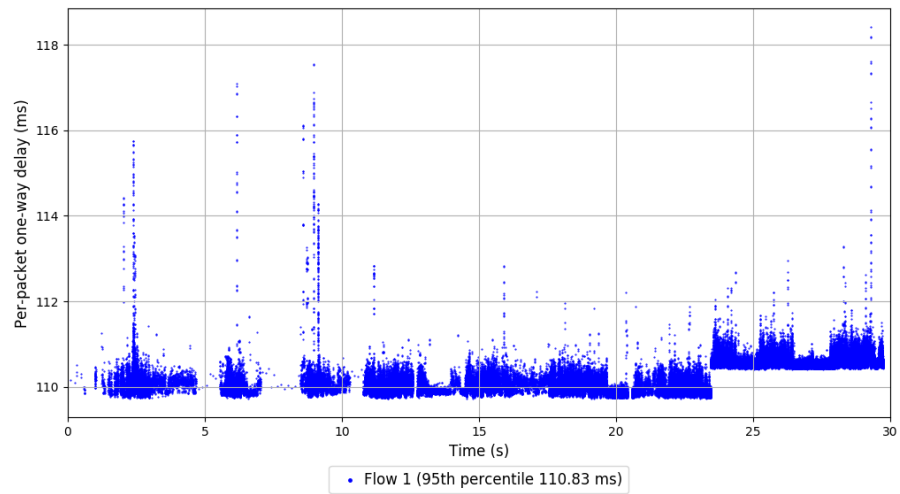
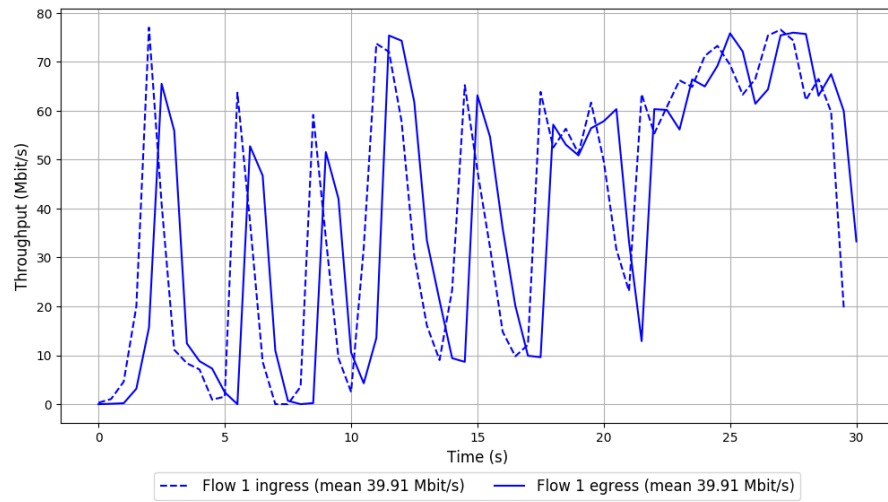
-- Flow 1:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 110.835 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

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

End at: 2018-08-09 23:36:53

Local clock offset: 1.127 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 110.349 ms

Loss rate: 0.01%

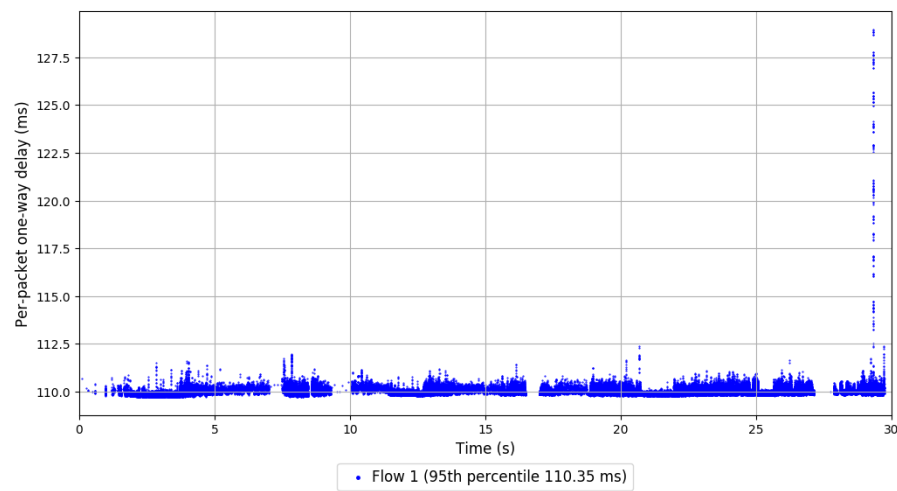
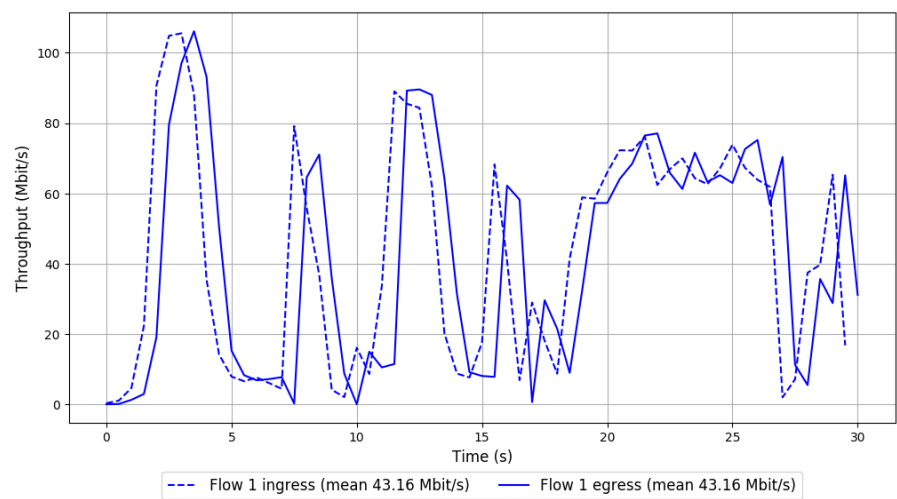
-- Flow 1:

Average throughput: 43.16 Mbit/s

95th percentile per-packet one-way delay: 110.349 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

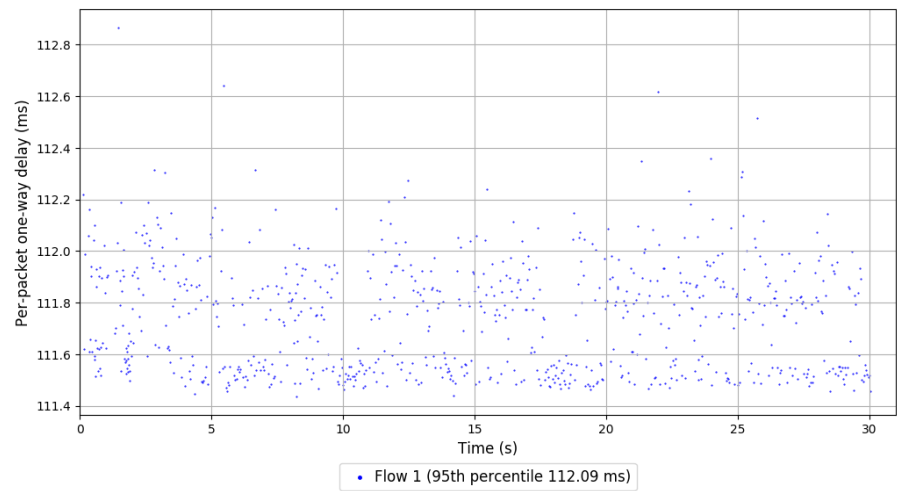
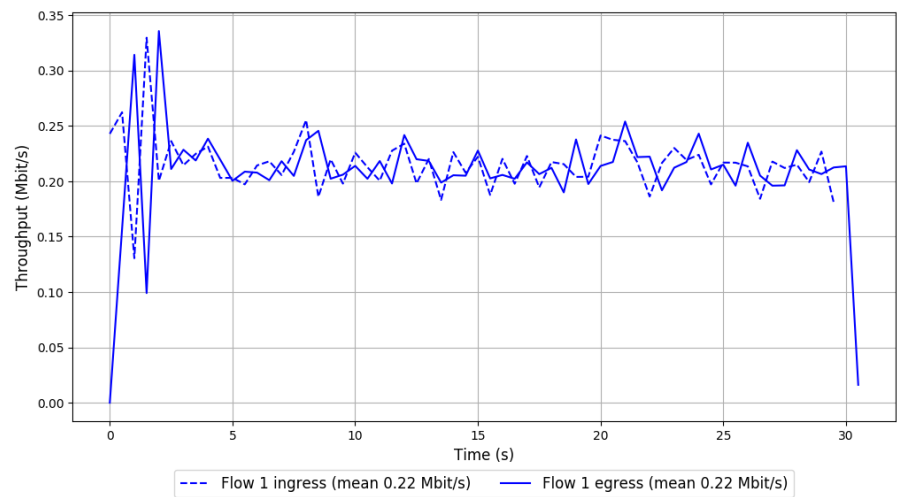


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 20:15:50
End at: 2018-08-09 20:16:20
Local clock offset: -0.016 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-08-10 01:05:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.089 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

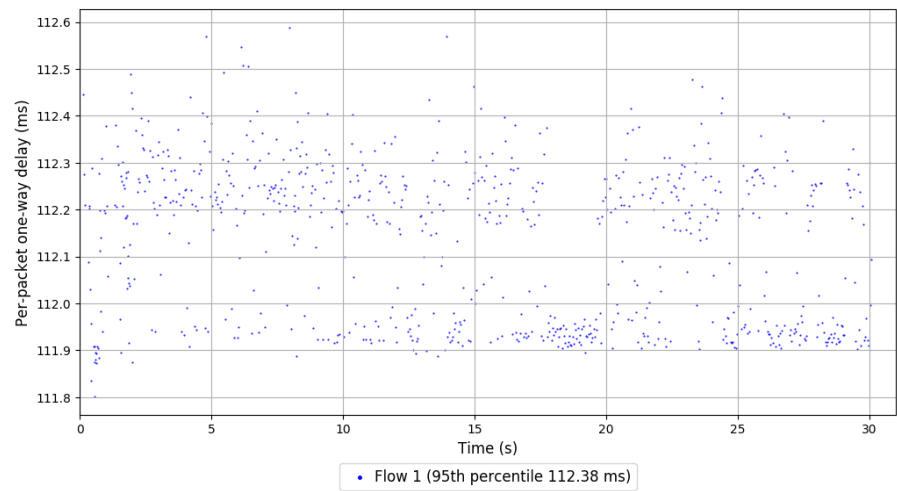
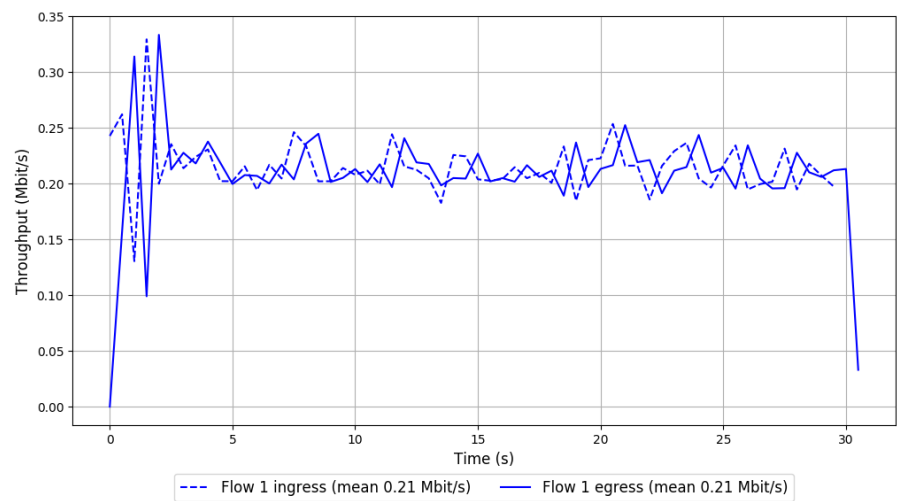


```
Run 2: Statistics of SReAM

Start at: 2018-08-09 20:37:54
End at: 2018-08-09 20:38:24
Local clock offset: -0.226 ms
Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2018-08-10 01:05:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.380 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

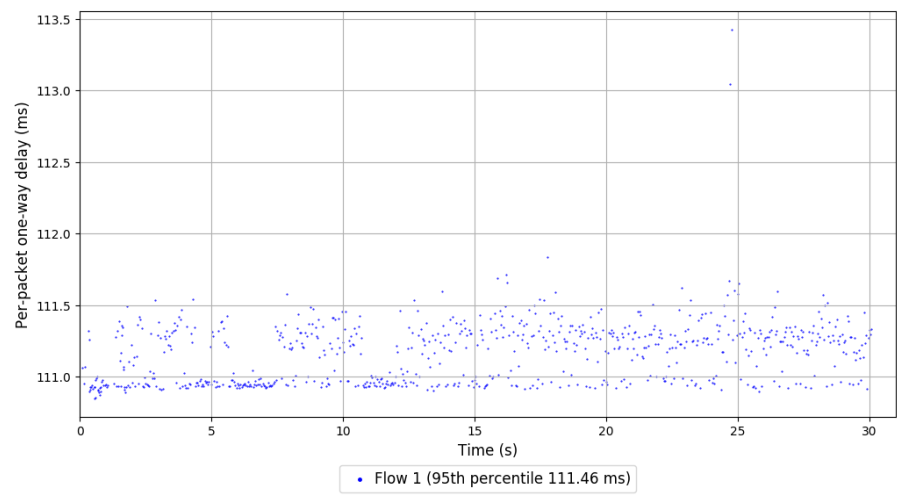
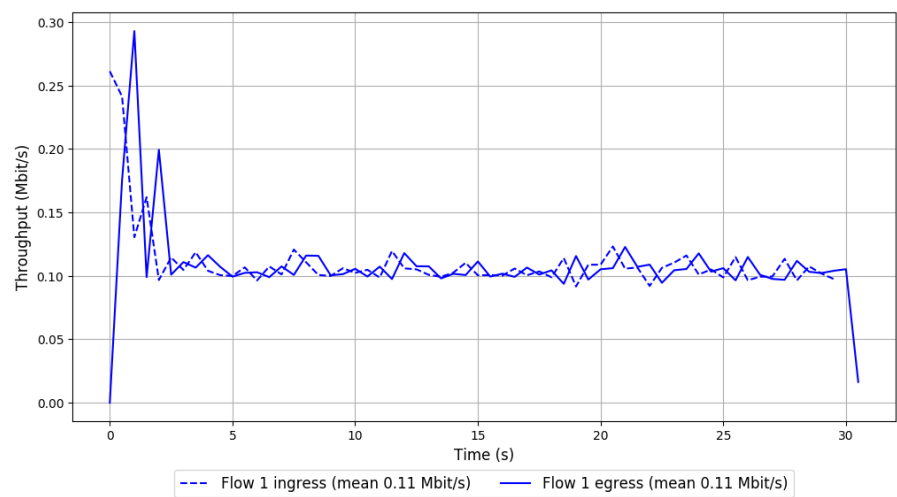


Run 3: Statistics of SCReAM

Start at: 2018-08-09 20:59:49
End at: 2018-08-09 21:00:19
Local clock offset: -0.092 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 111.463 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

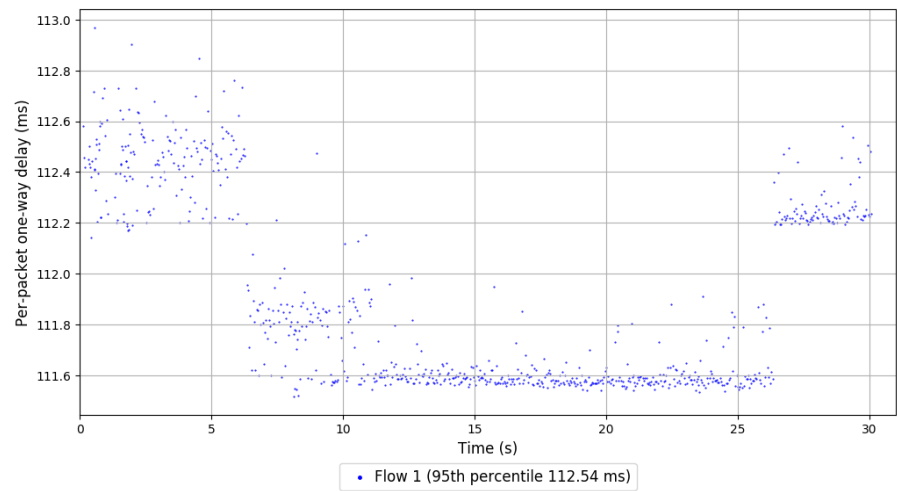
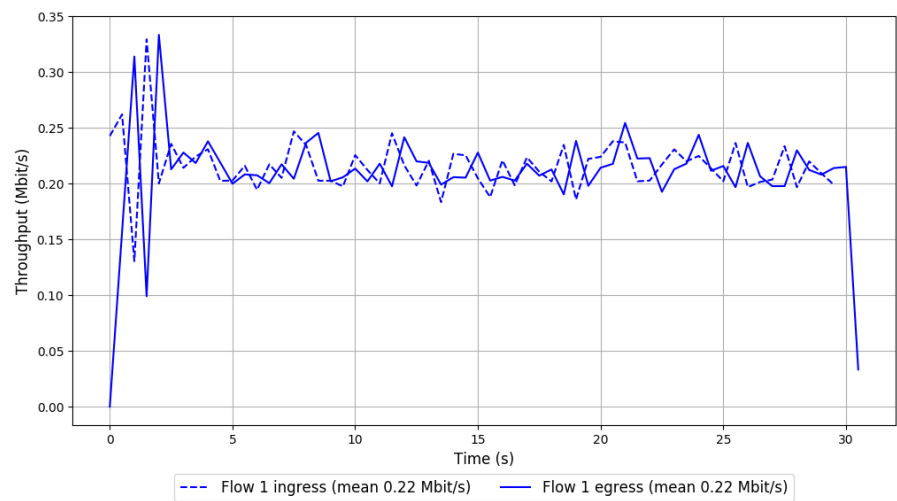


Run 4: Statistics of SCReAM

Start at: 2018-08-09 21:22:07
End at: 2018-08-09 21:22:37
Local clock offset: -0.693 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.541 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-09 21:44:21

End at: 2018-08-09 21:44:51

Local clock offset: -0.116 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.881 ms

Loss rate: 0.00%

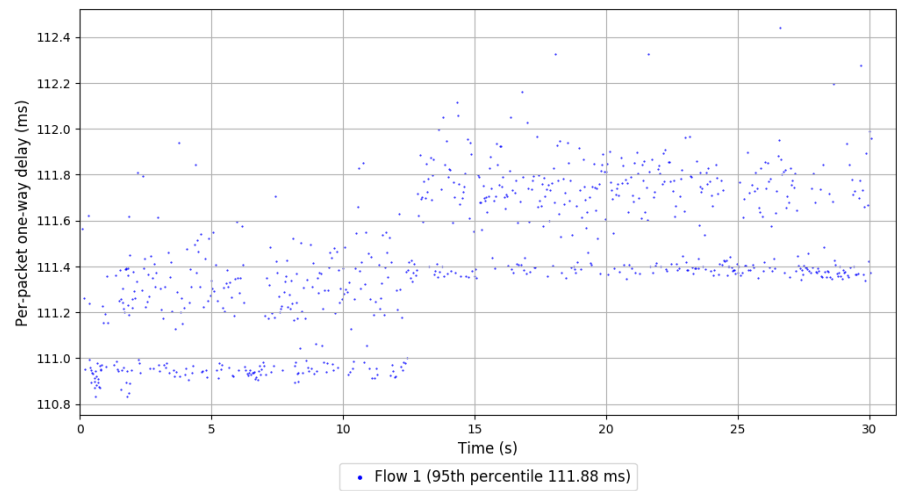
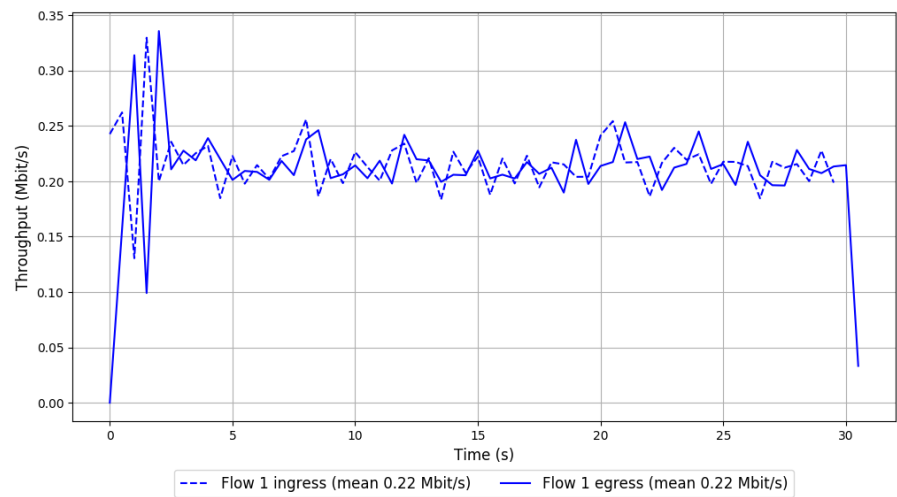
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.881 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

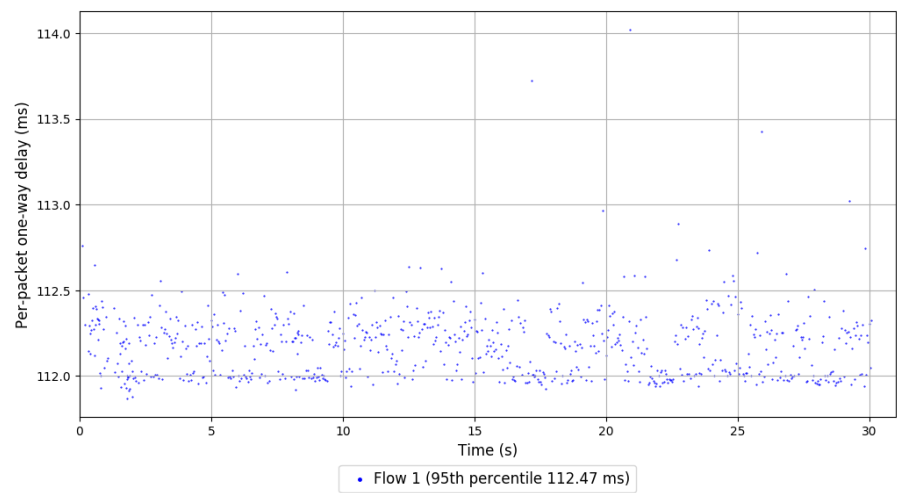
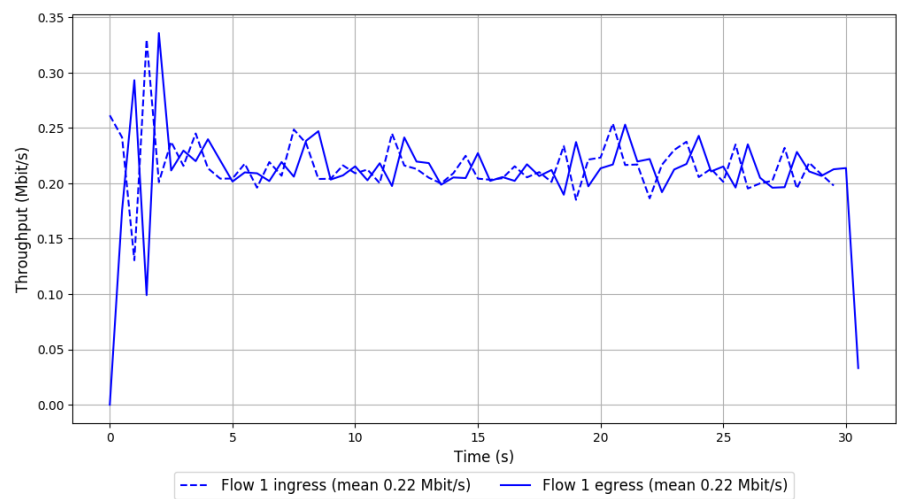


Run 6: Statistics of SCReAM

Start at: 2018-08-09 22:06:43
End at: 2018-08-09 22:07:13
Local clock offset: -0.999 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.465 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

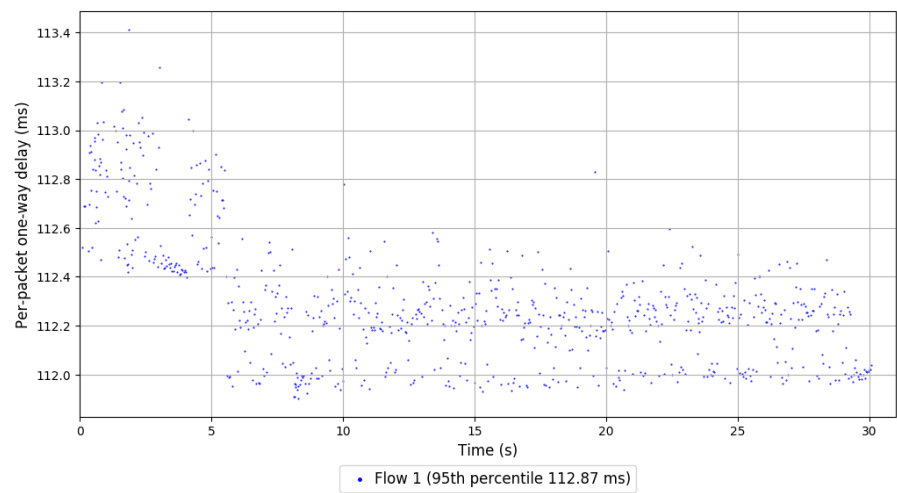
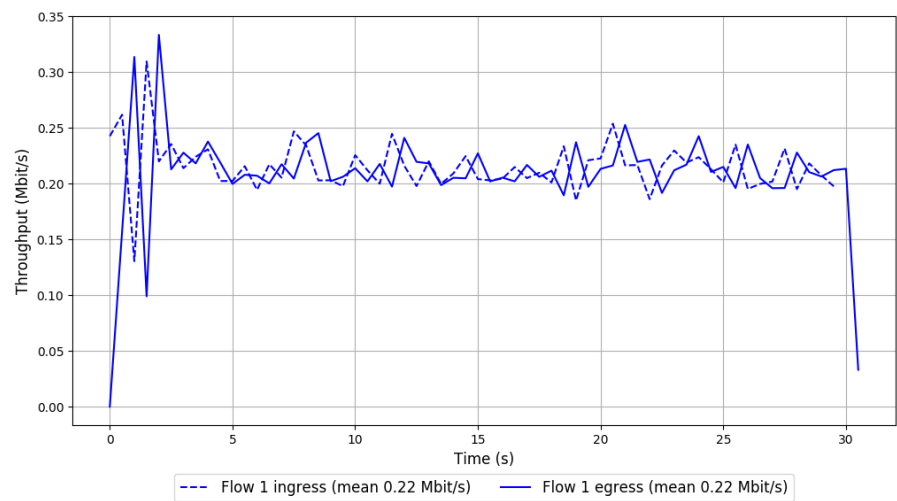


Run 7: Statistics of SCReAM

Start at: 2018-08-09 22:28:40
End at: 2018-08-09 22:29:10
Local clock offset: -0.776 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.870 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-09 22:50:32

End at: 2018-08-09 22:51:02

Local clock offset: -0.779 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.802 ms

Loss rate: 0.00%

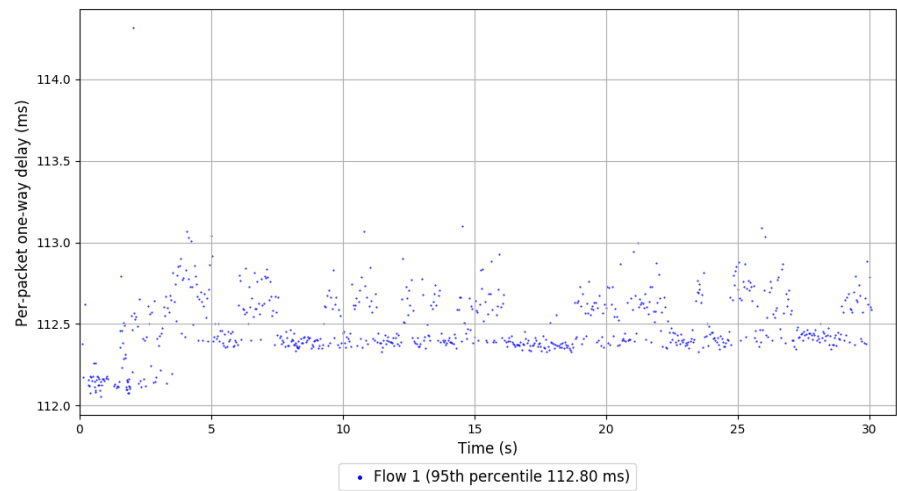
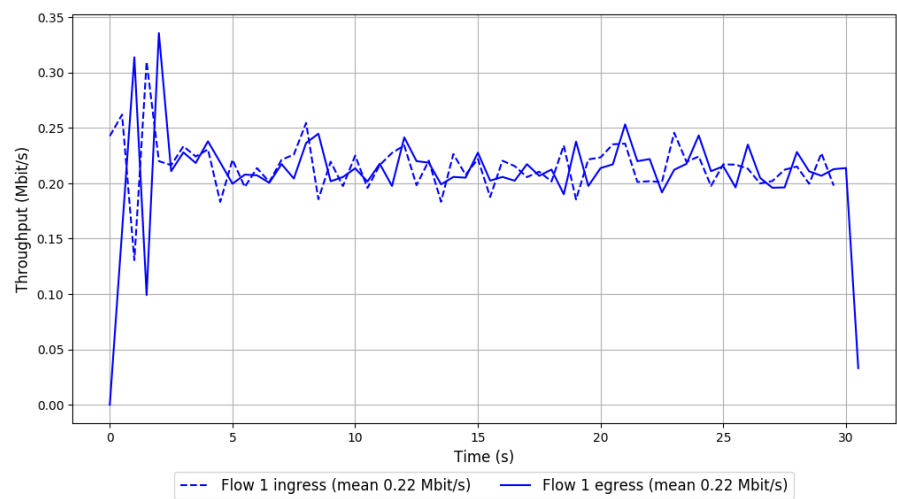
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.802 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-09 23:12:54

End at: 2018-08-09 23:13:24

Local clock offset: -1.37 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.922 ms

Loss rate: 0.00%

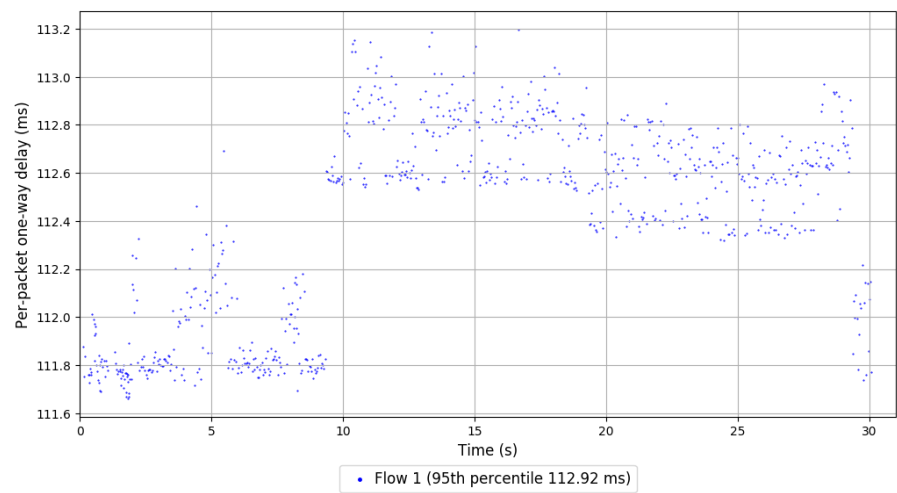
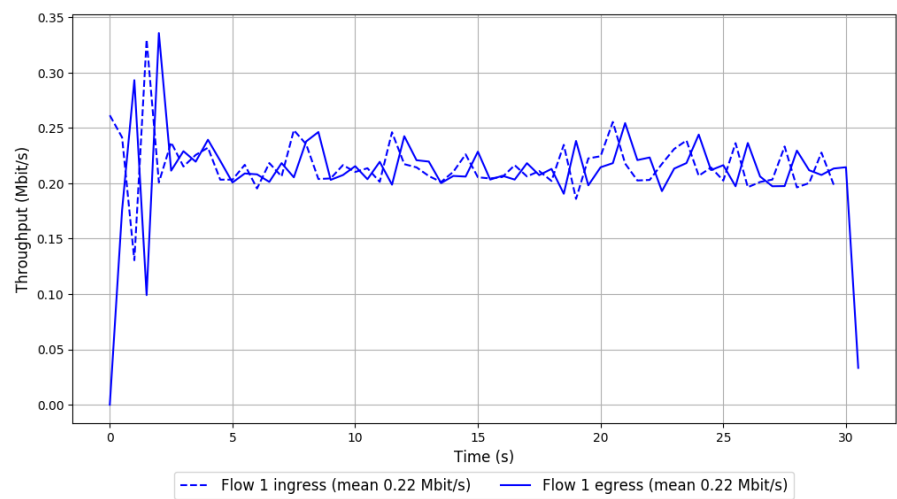
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.922 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

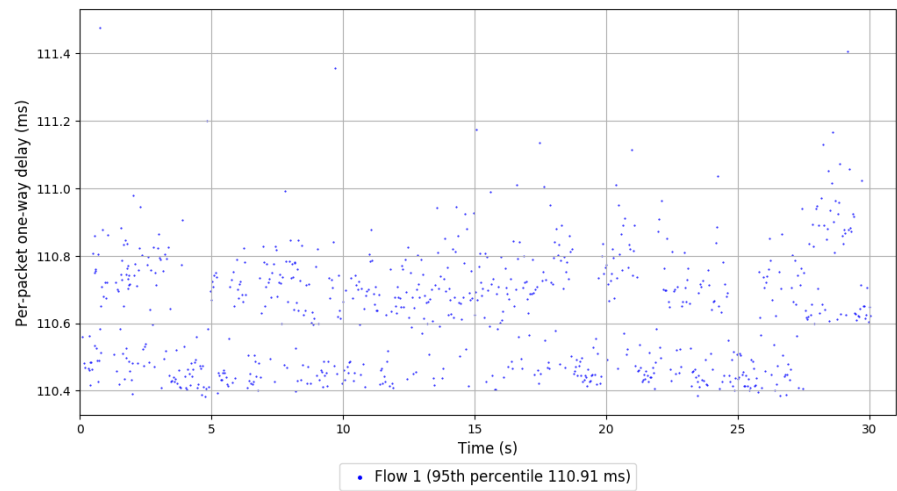
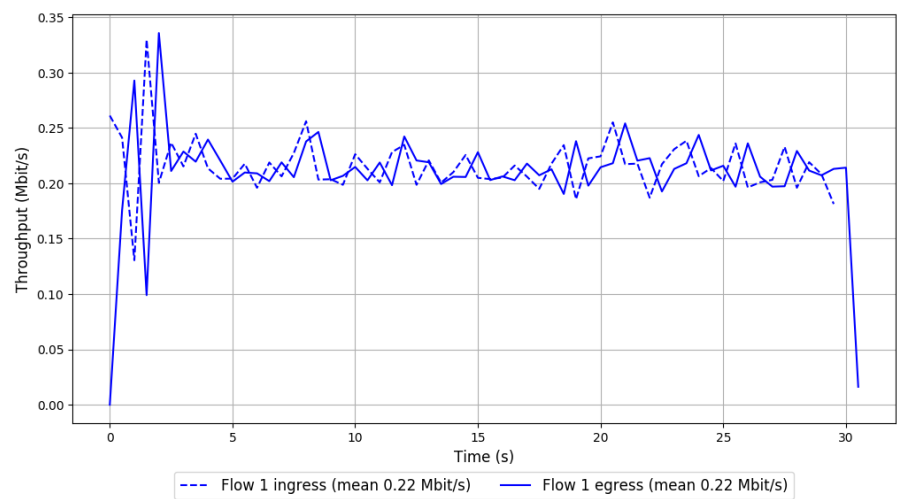


Run 10: Statistics of SCReAM

Start at: 2018-08-09 23:35:16
End at: 2018-08-09 23:35:46
Local clock offset: -0.3 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.910 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

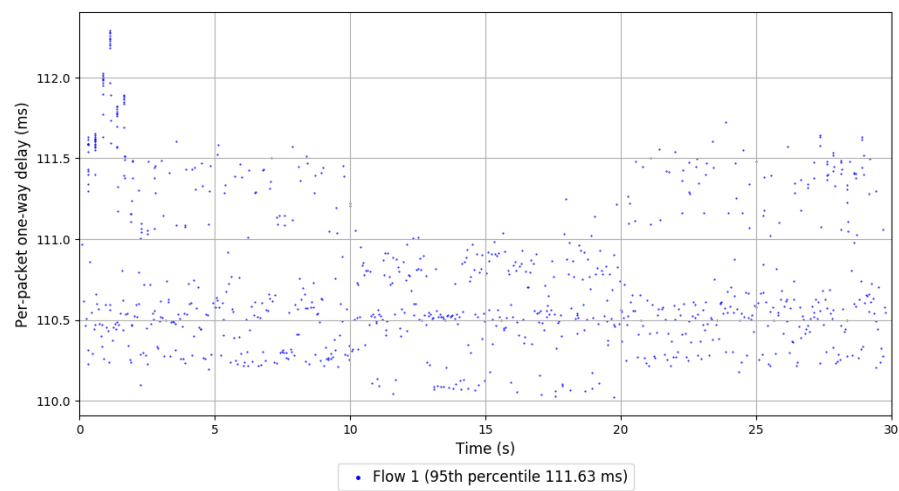
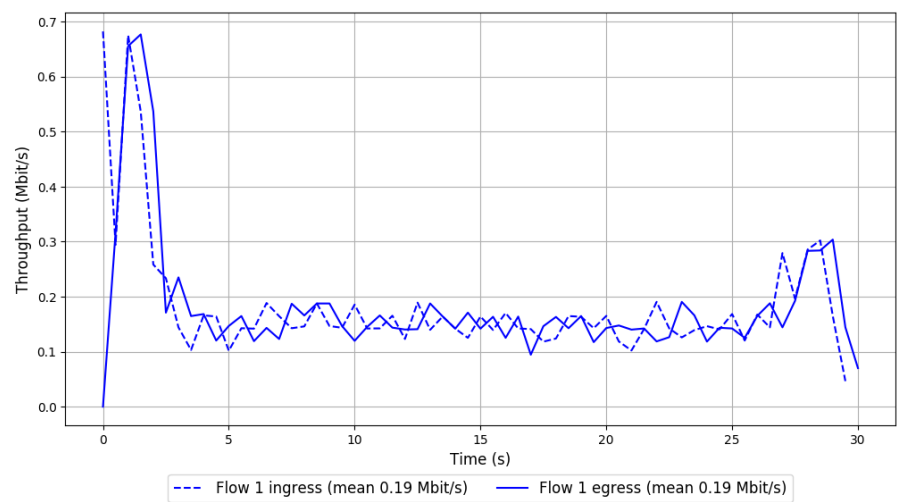


Run 1: Statistics of Sprout

Start at: 2018-08-09 20:08:53
End at: 2018-08-09 20:09:23
Local clock offset: -0.106 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

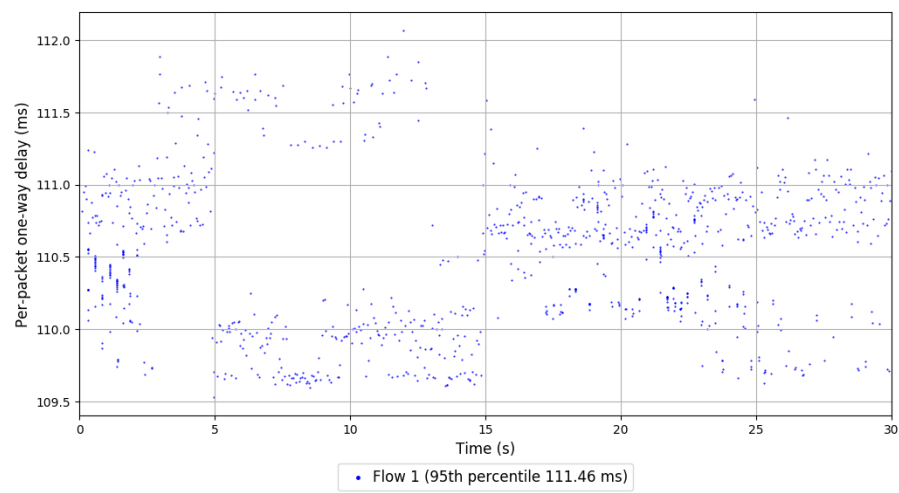
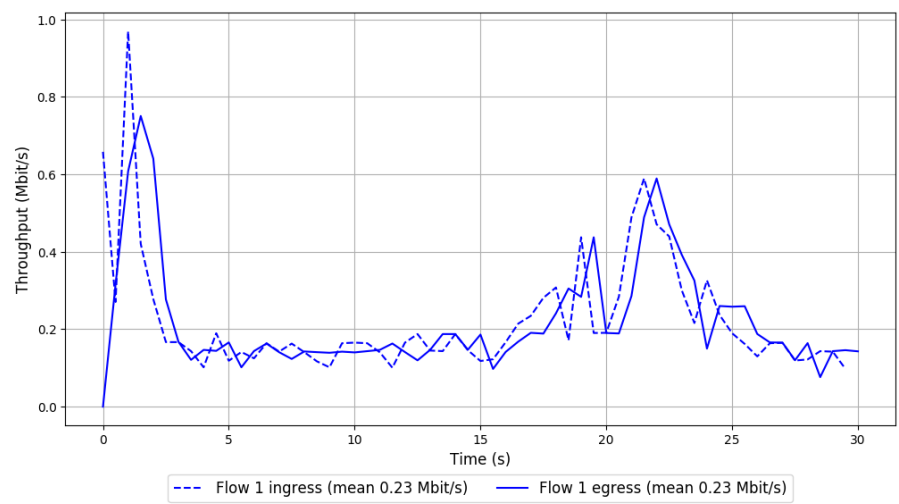


Run 2: Statistics of Sprout

Start at: 2018-08-09 20:31:01
End at: 2018-08-09 20:31:31
Local clock offset: 0.081 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.456 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-09 20:53:00

End at: 2018-08-09 20:53:30

Local clock offset: -0.034 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 113.314 ms

Loss rate: 0.00%

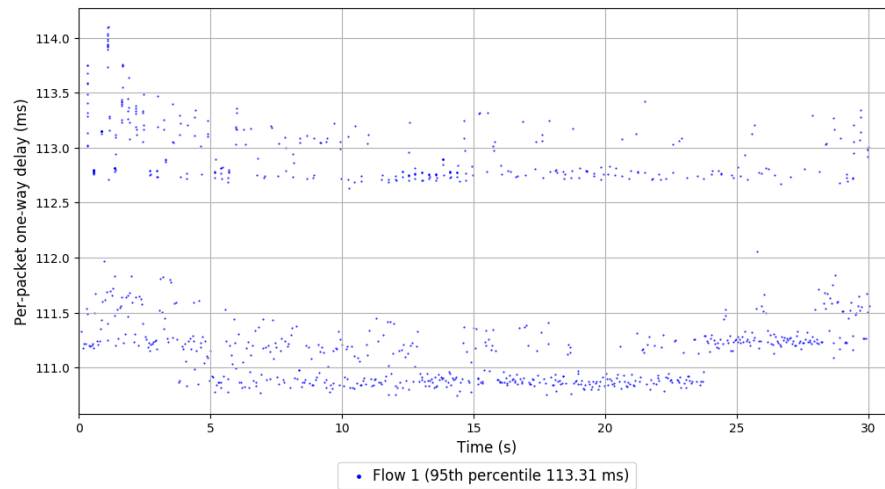
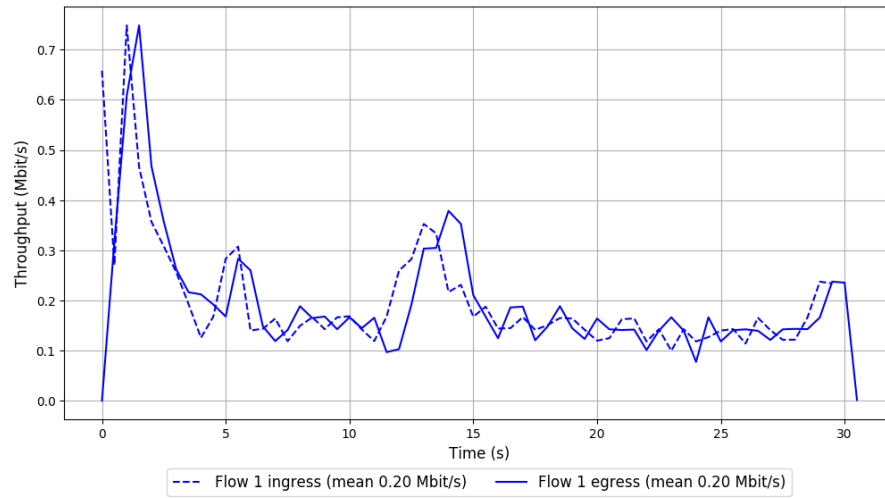
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 113.314 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-09 21:15:06

End at: 2018-08-09 21:15:37

Local clock offset: 0.194 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.797 ms

Loss rate: 0.00%

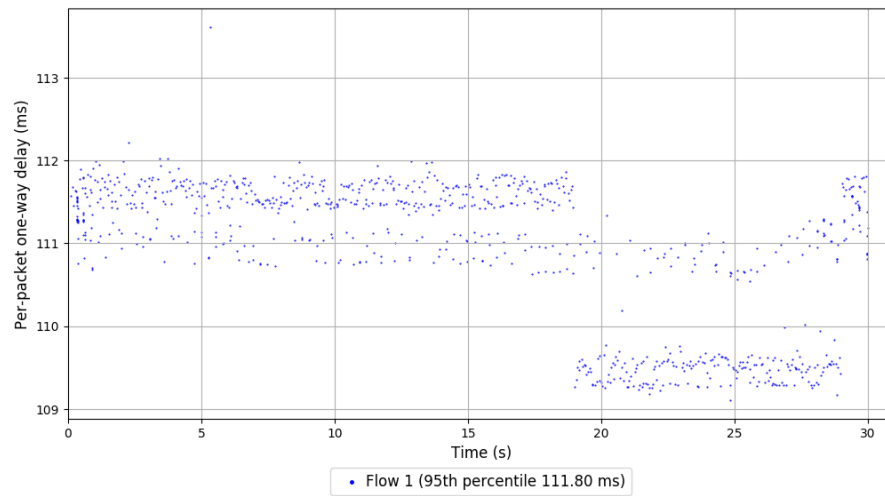
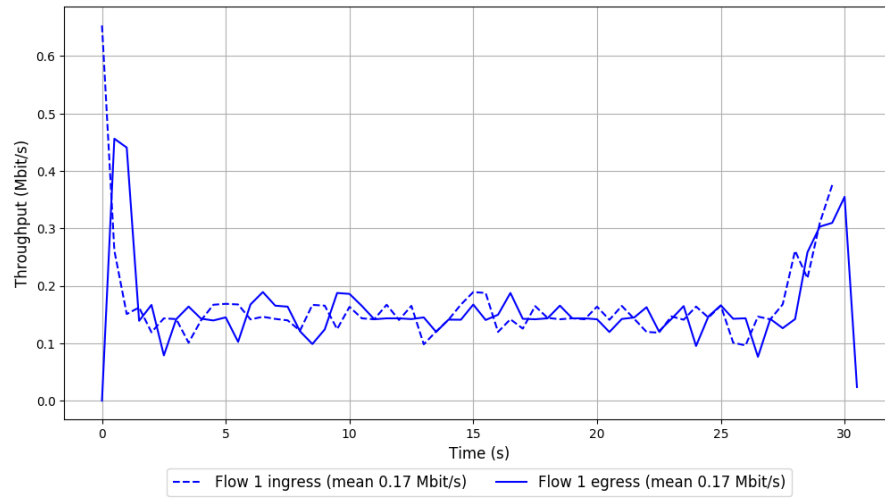
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 111.797 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

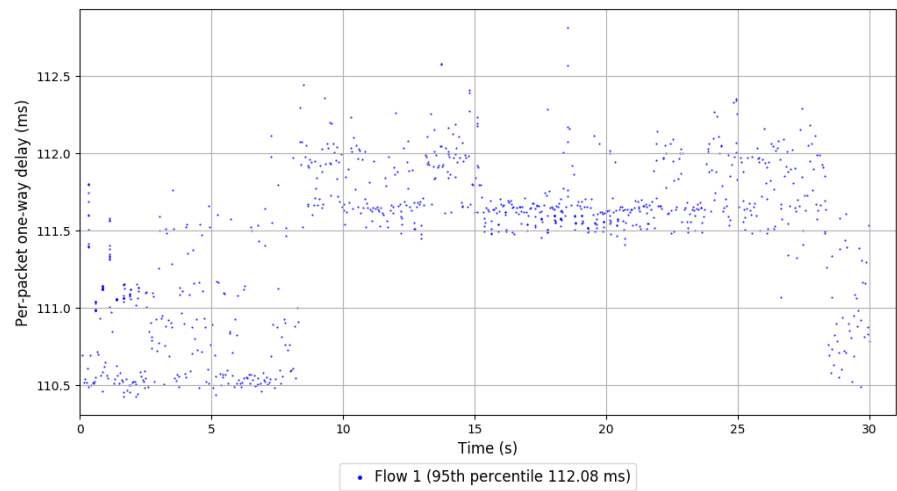
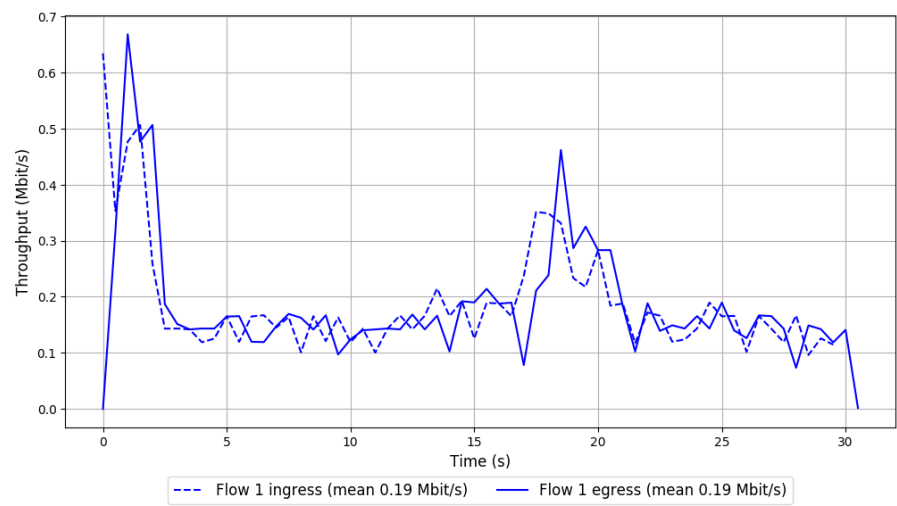


Run 5: Statistics of Sprout

Start at: 2018-08-09 21:37:17
End at: 2018-08-09 21:37:47
Local clock offset: -0.189 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.079 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

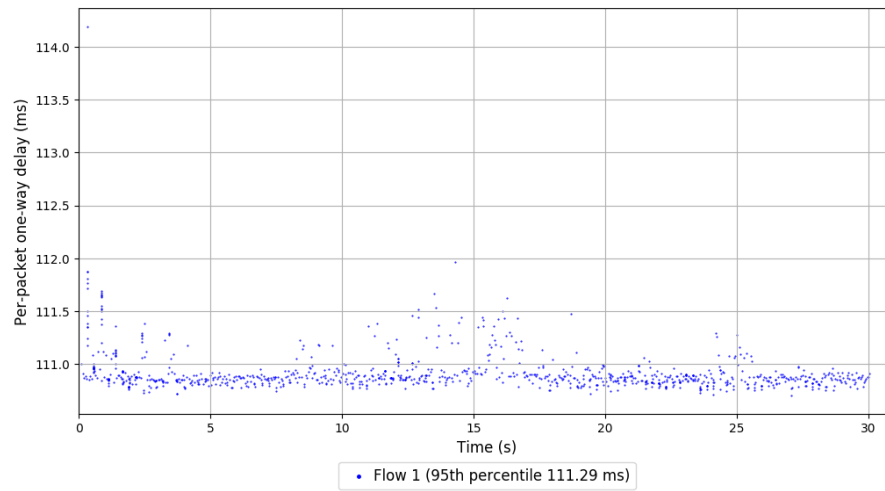
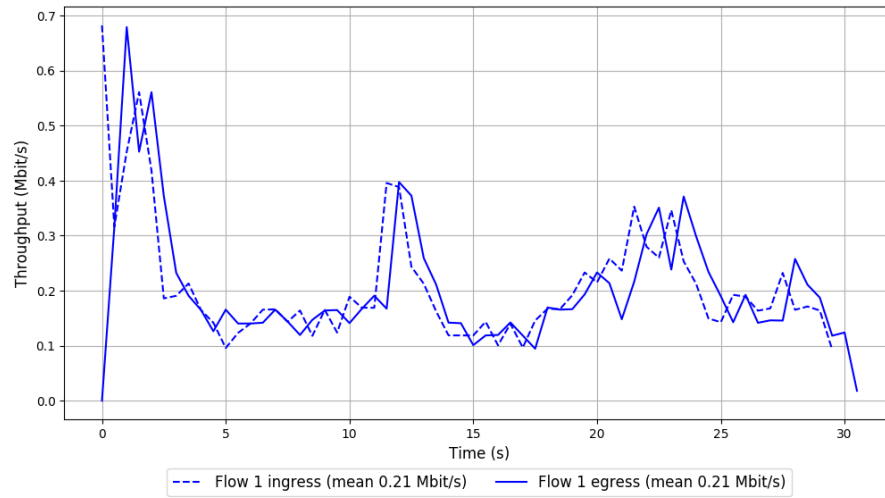


Run 6: Statistics of Sprout

Start at: 2018-08-09 21:59:40
End at: 2018-08-09 22:00:10
Local clock offset: -0.291 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.290 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-09 22:21:37

End at: 2018-08-09 22:22:07

Local clock offset: -0.032 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-08-10 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 113.129 ms

Loss rate: 0.00%

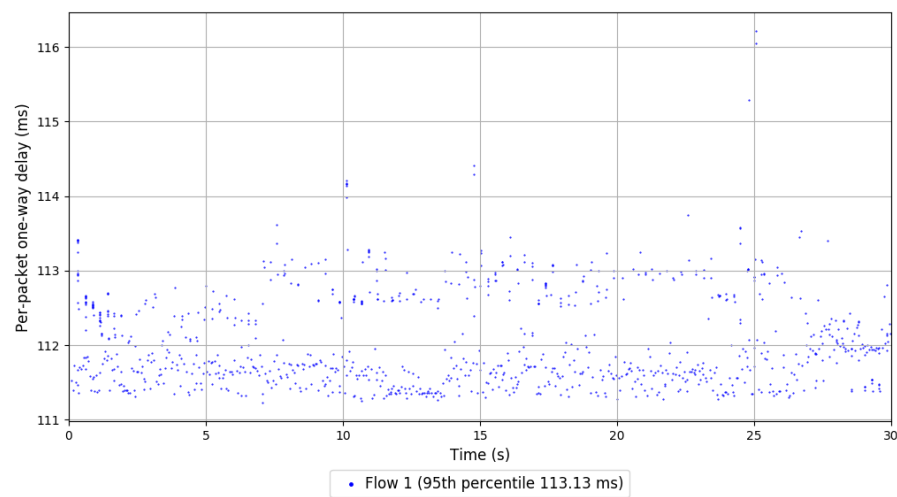
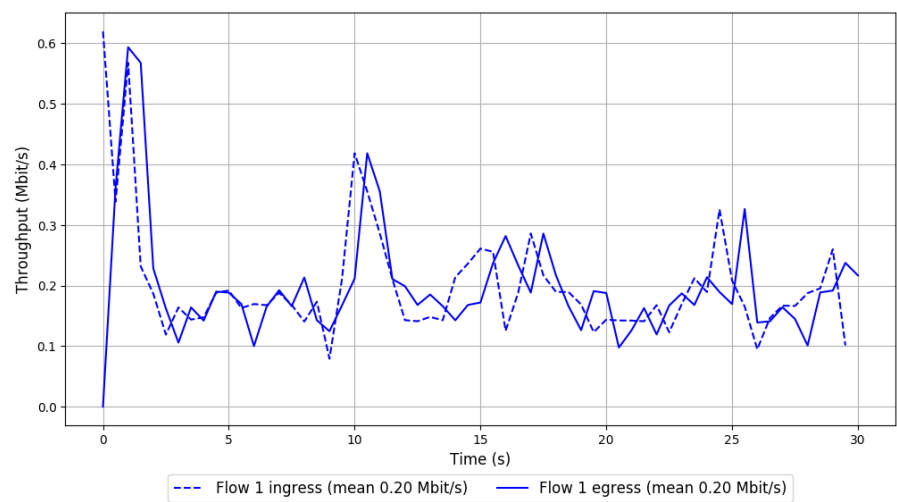
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 113.129 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

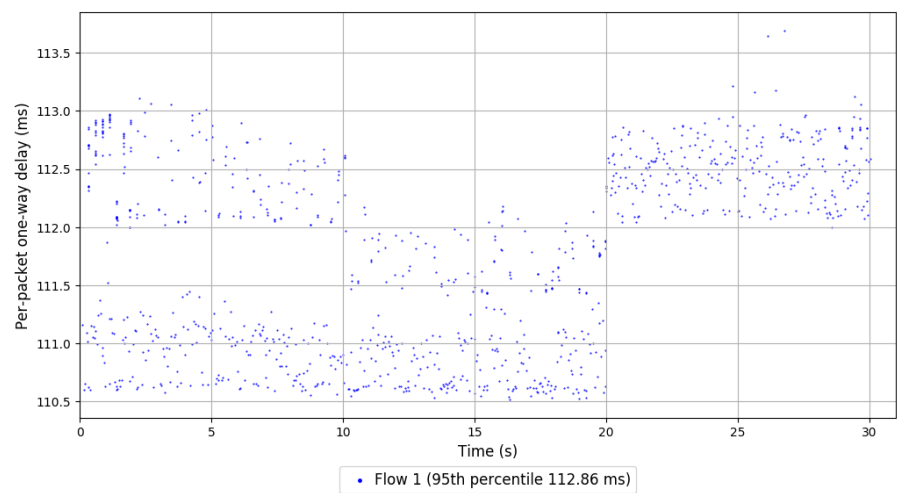
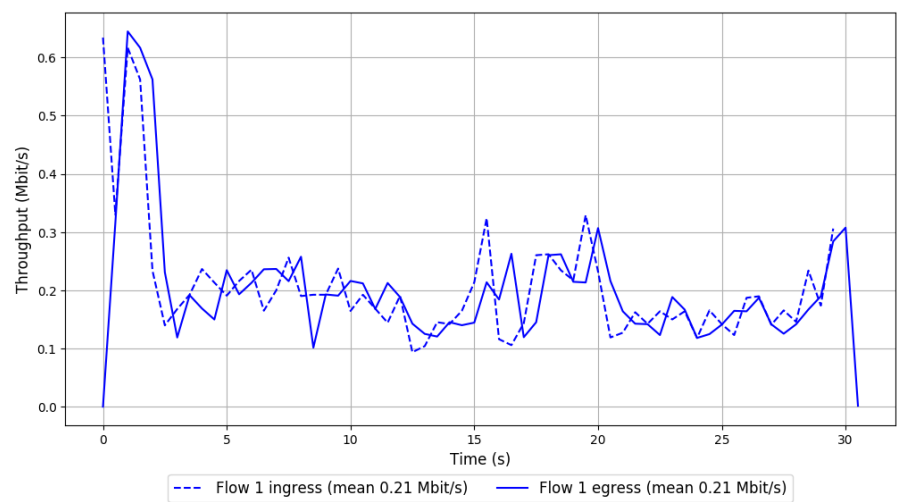


Run 8: Statistics of Sprout

Start at: 2018-08-09 22:43:34
End at: 2018-08-09 22:44:04
Local clock offset: -0.763 ms
Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-08-10 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.862 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

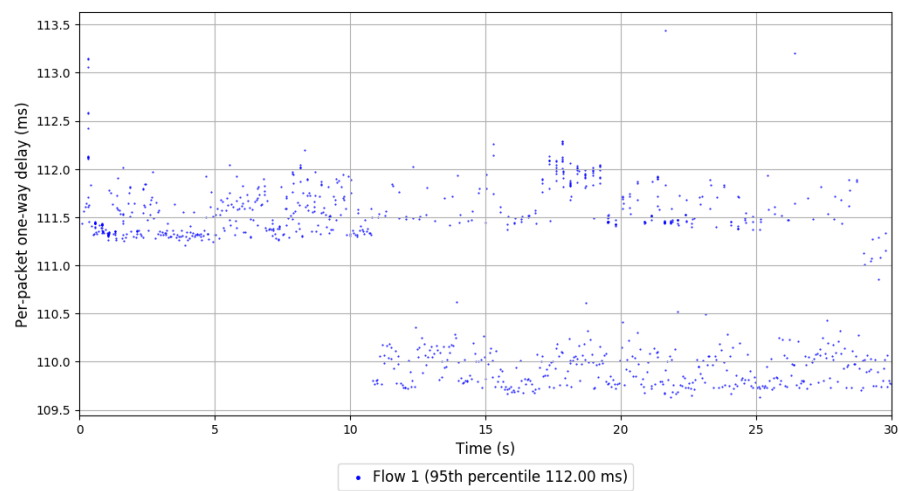
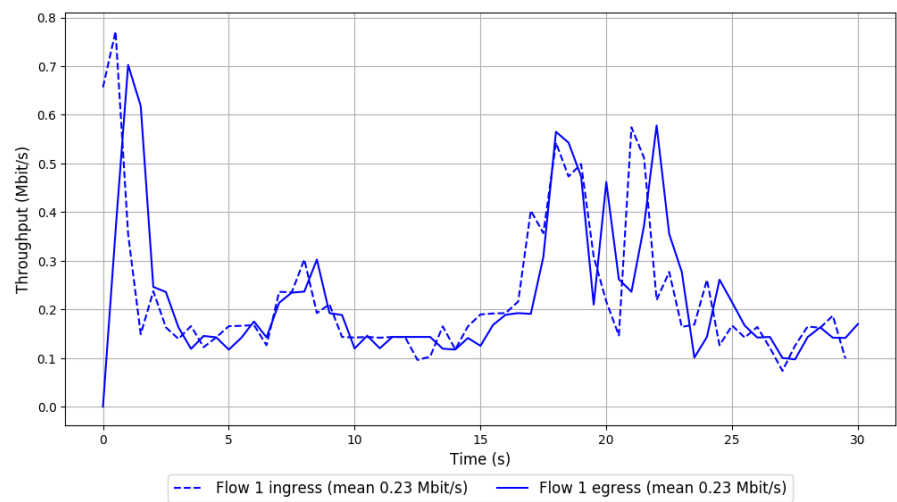


Run 9: Statistics of Sprout

Start at: 2018-08-09 23:05:45
End at: 2018-08-09 23:06:15
Local clock offset: -0.24 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-08-10 01:05:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.997 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-09 23:28:13

End at: 2018-08-09 23:28:43

Local clock offset: -1.39 ms

Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-08-10 01:05:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.168 ms

Loss rate: 0.00%

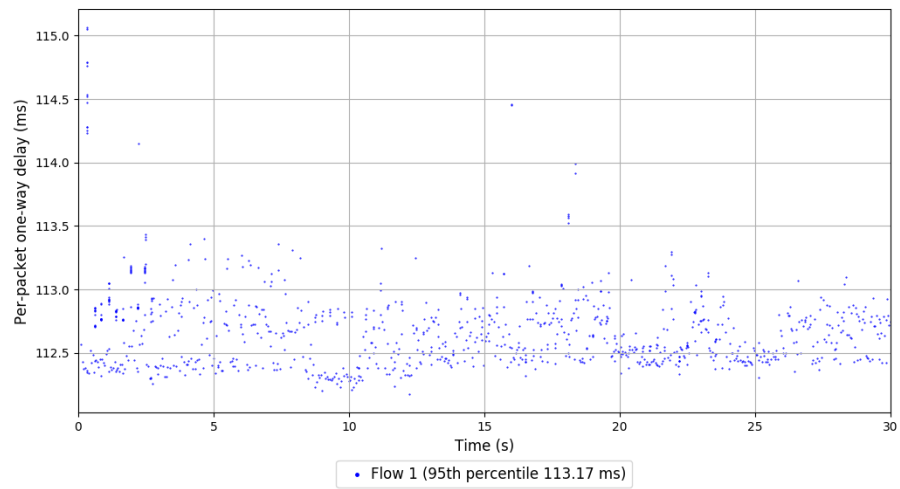
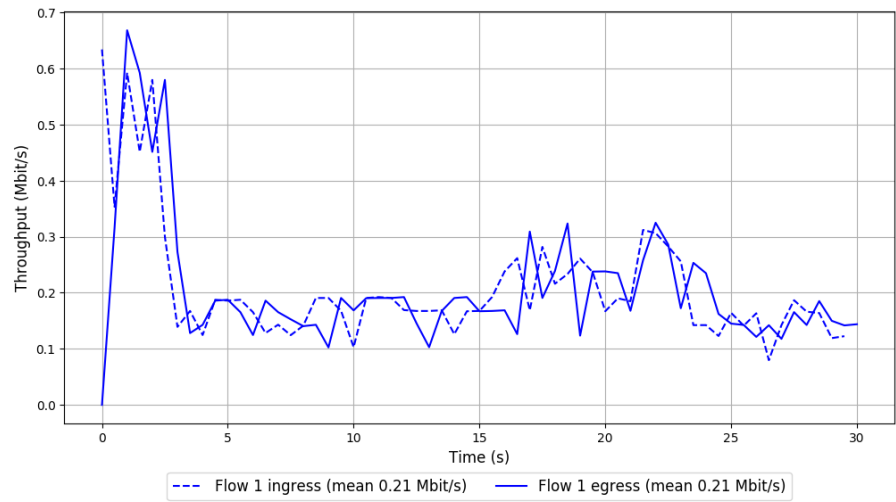
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.168 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

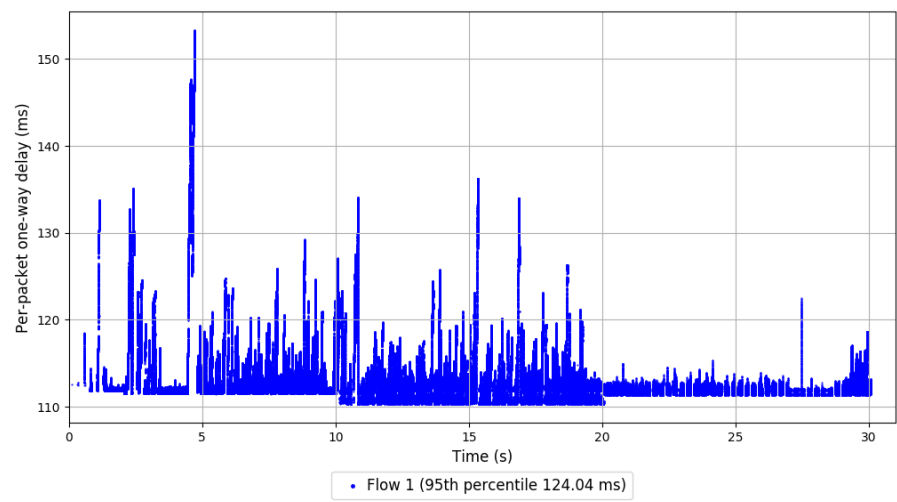
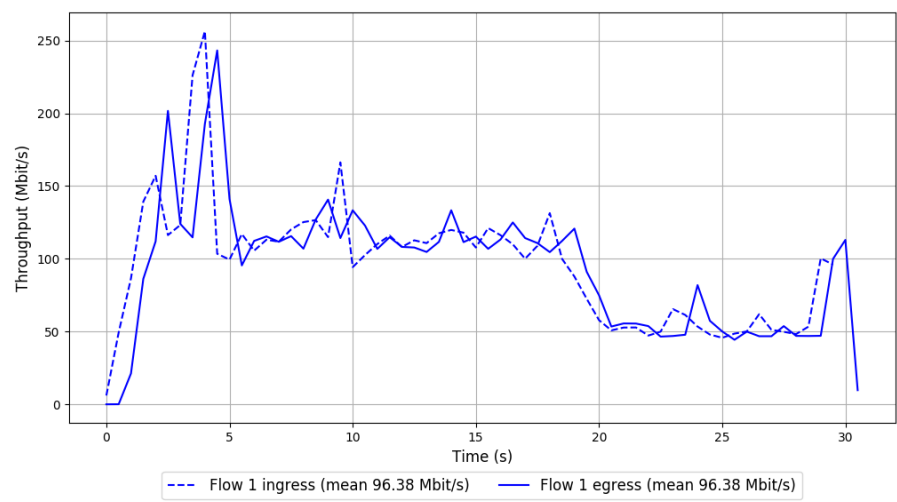


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 20:19:23
End at: 2018-08-09 20:19:53
Local clock offset: -0.191 ms
Remote clock offset: 0.246 ms

# Below is generated by plot.py at 2018-08-10 01:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 124.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 124.044 ms
Loss rate: 0.00%
```

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

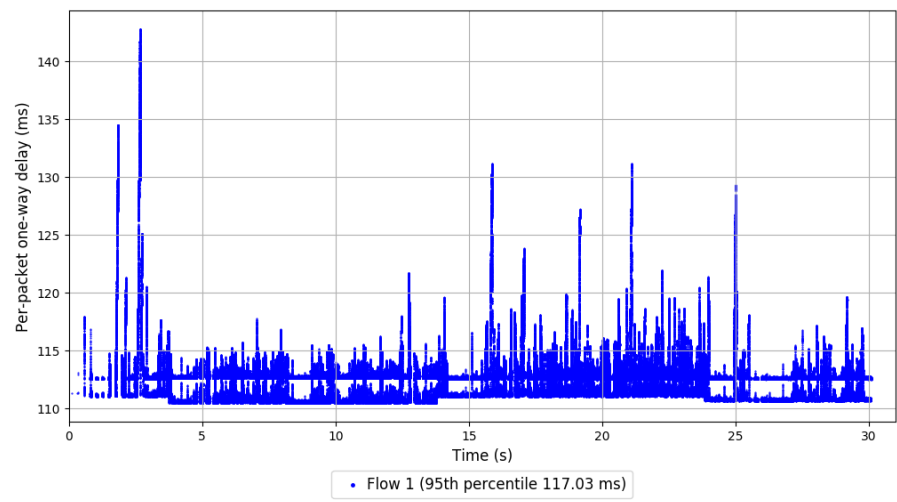
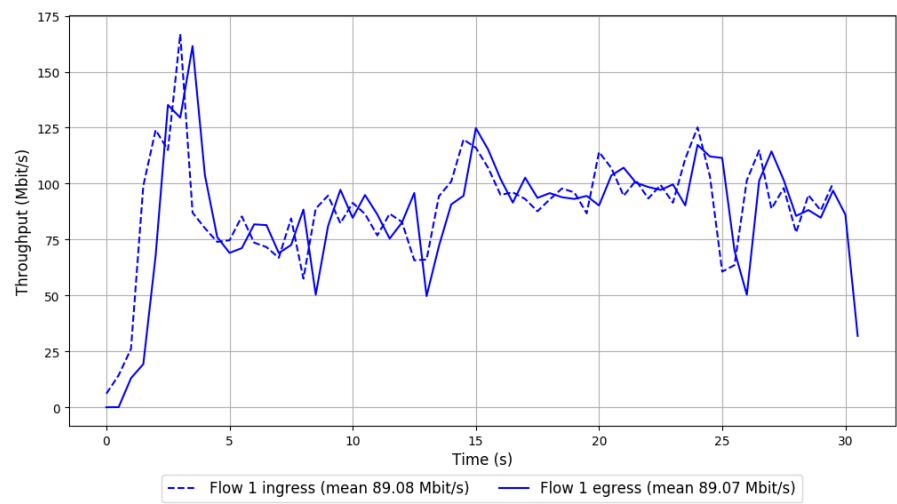


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 20:41:30
End at: 2018-08-09 20:42:00
Local clock offset: -0.372 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-10 01:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 117.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 117.035 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 21:03:23

End at: 2018-08-09 21:03:53

Local clock offset: 0.678 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-08-10 01:06:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.85 Mbit/s

95th percentile per-packet one-way delay: 121.777 ms

Loss rate: 0.01%

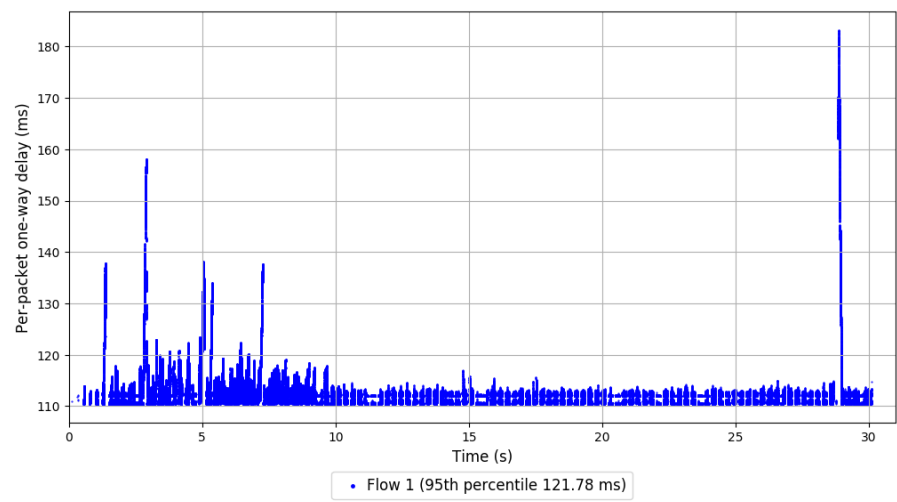
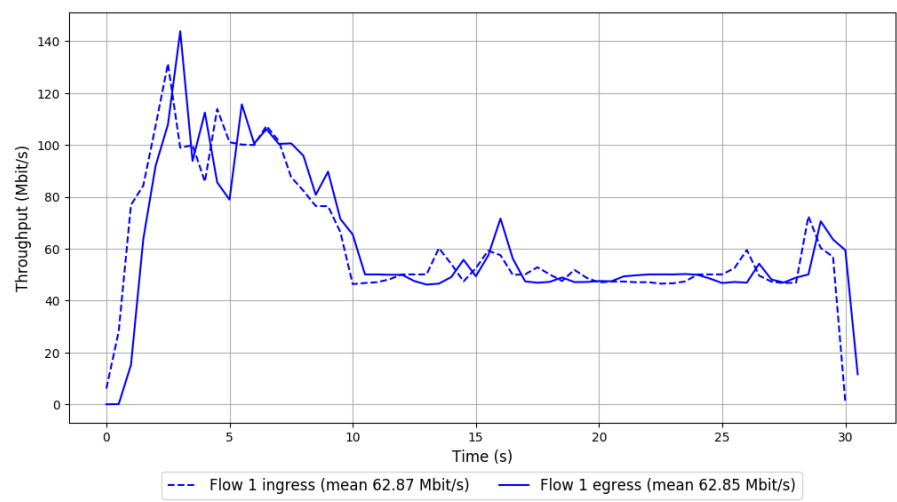
-- Flow 1:

Average throughput: 62.85 Mbit/s

95th percentile per-packet one-way delay: 121.777 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 21:25:45

End at: 2018-08-09 21:26:15

Local clock offset: 0.057 ms

Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-08-10 01:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.73 Mbit/s

95th percentile per-packet one-way delay: 127.689 ms

Loss rate: 0.25%

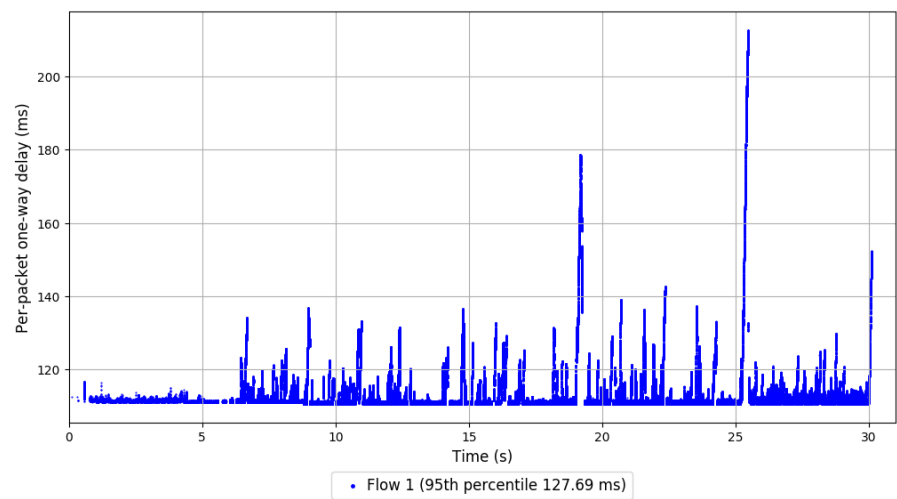
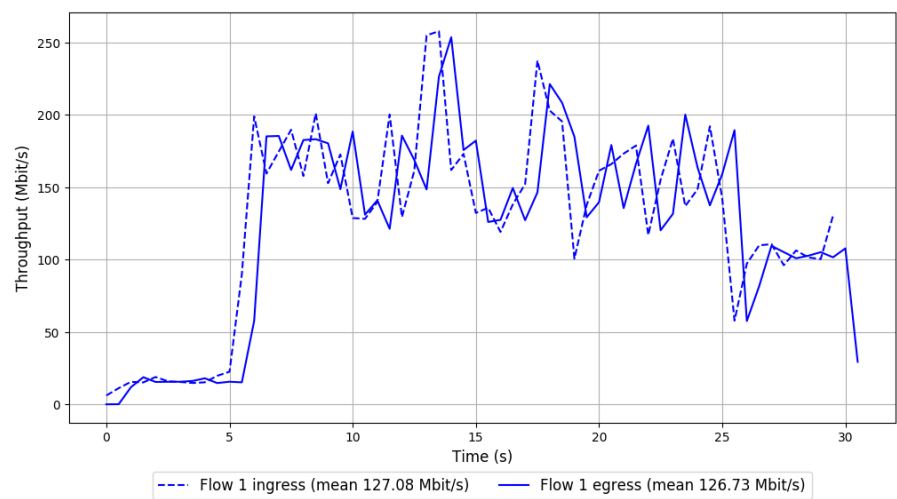
-- Flow 1:

Average throughput: 126.73 Mbit/s

95th percentile per-packet one-way delay: 127.689 ms

Loss rate: 0.25%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 21:47:59

End at: 2018-08-09 21:48:29

Local clock offset: -1.39 ms

Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-10 01:07:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.03 Mbit/s

95th percentile per-packet one-way delay: 122.583 ms

Loss rate: 0.00%

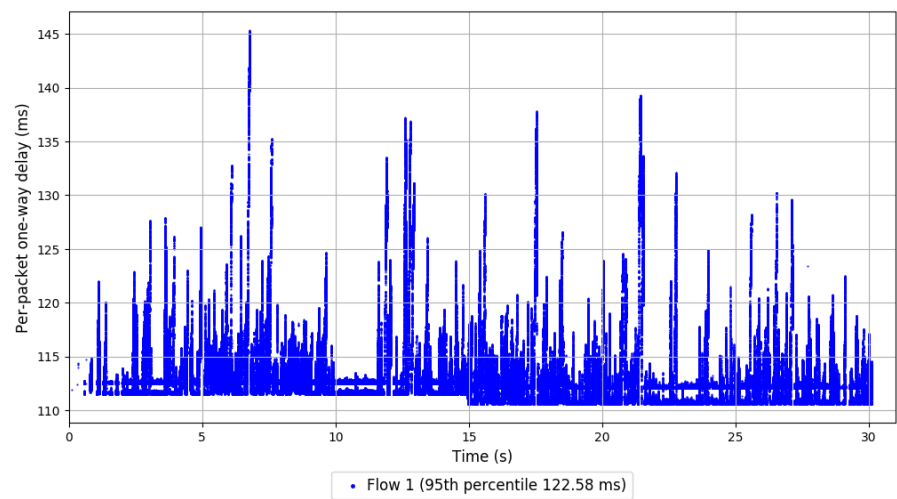
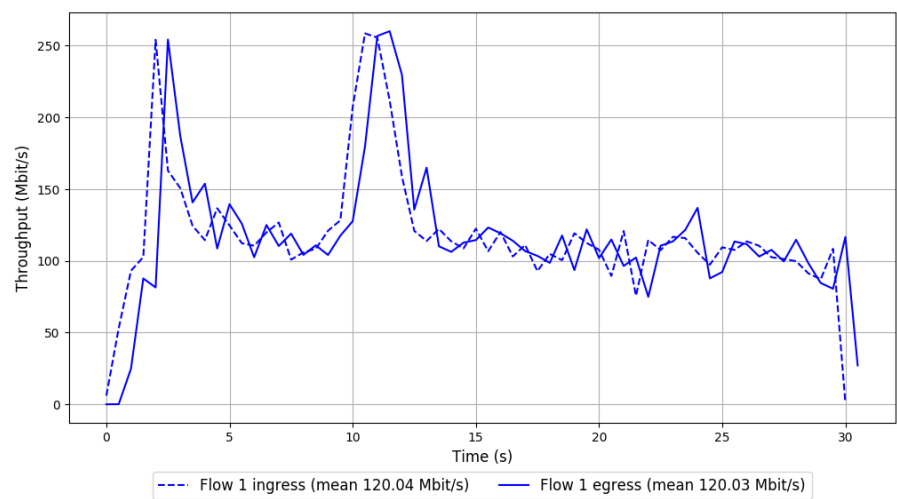
-- Flow 1:

Average throughput: 120.03 Mbit/s

95th percentile per-packet one-way delay: 122.583 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 22:10:14

End at: 2018-08-09 22:10:44

Local clock offset: -0.195 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-08-10 01:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.94 Mbit/s

95th percentile per-packet one-way delay: 123.611 ms

Loss rate: 0.00%

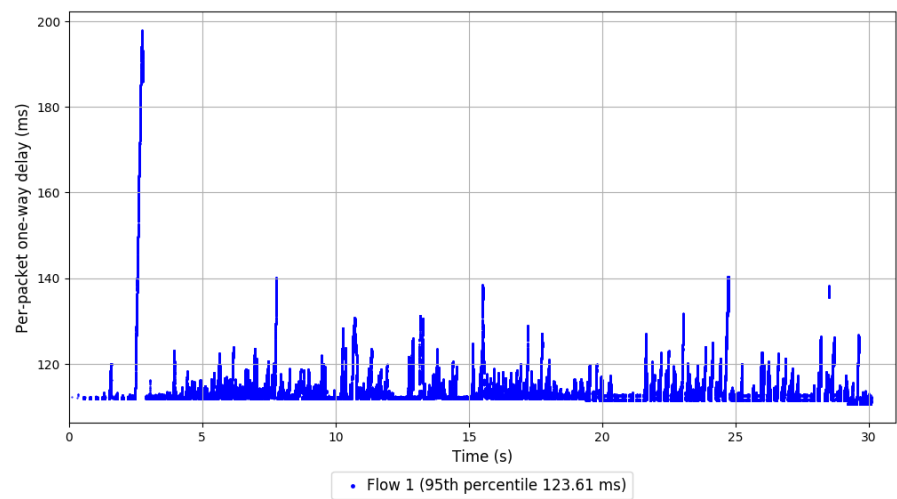
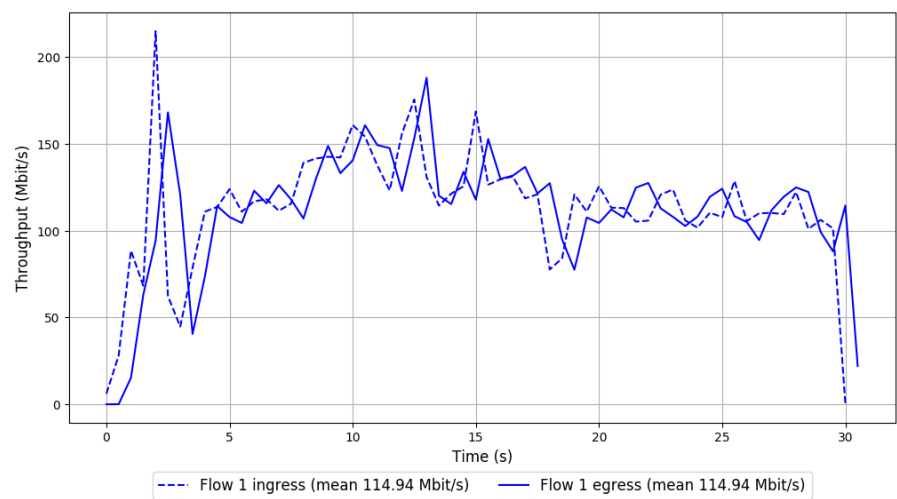
-- Flow 1:

Average throughput: 114.94 Mbit/s

95th percentile per-packet one-way delay: 123.611 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 22:32:12

End at: 2018-08-09 22:32:42

Local clock offset: -0.802 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-10 01:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 118.559 ms

Loss rate: 0.00%

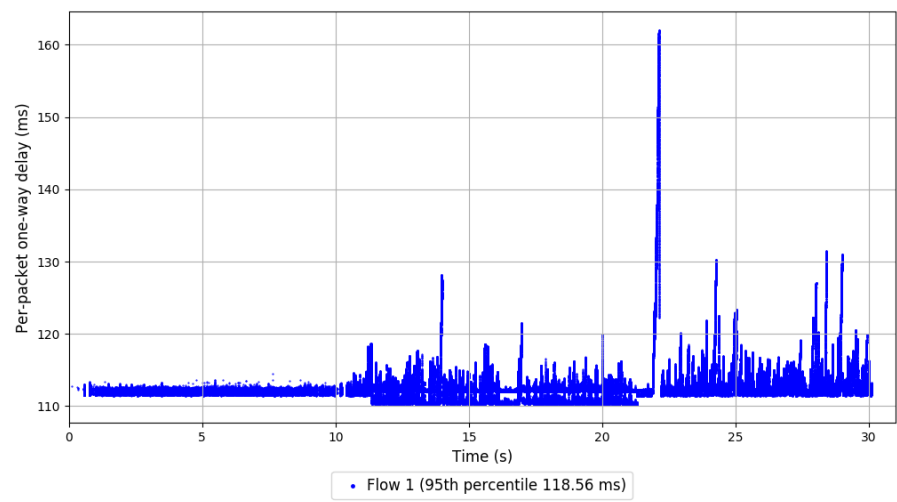
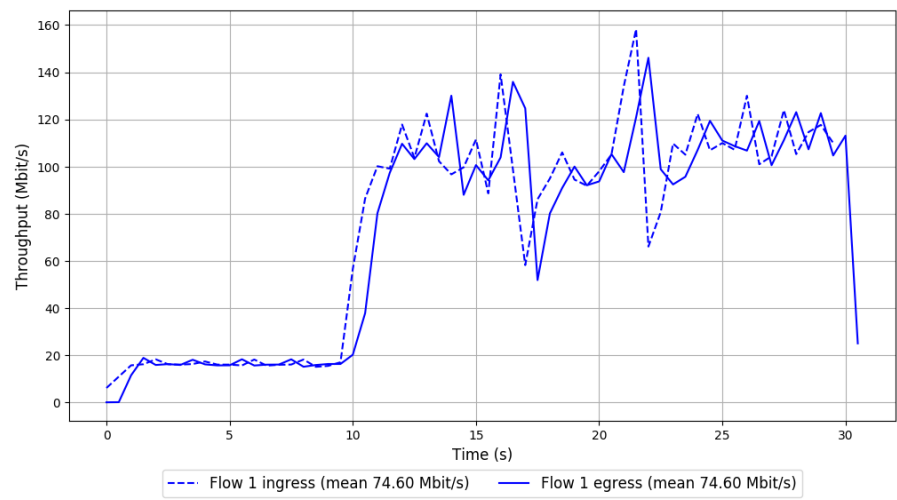
-- Flow 1:

Average throughput: 74.60 Mbit/s

95th percentile per-packet one-way delay: 118.559 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 22:54:09

End at: 2018-08-09 22:54:39

Local clock offset: 0.044 ms

Remote clock offset: -0.706 ms

Below is generated by plot.py at 2018-08-10 01:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.84 Mbit/s

95th percentile per-packet one-way delay: 122.089 ms

Loss rate: 0.00%

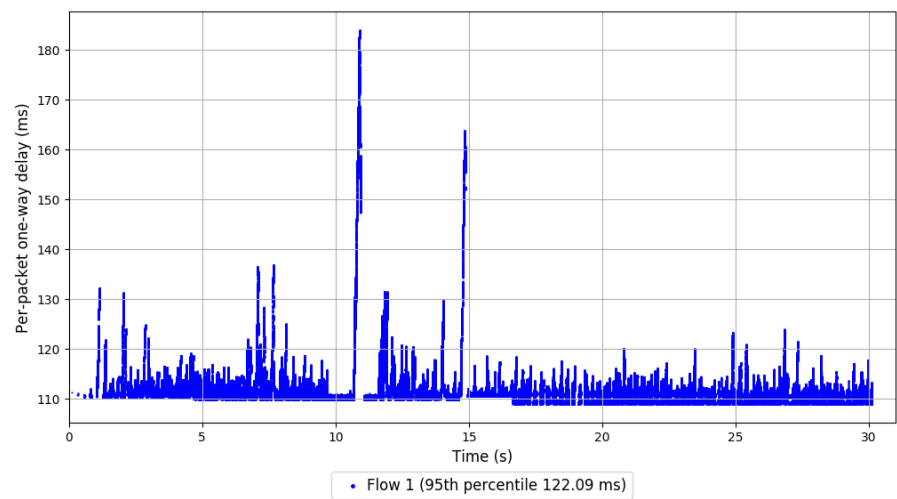
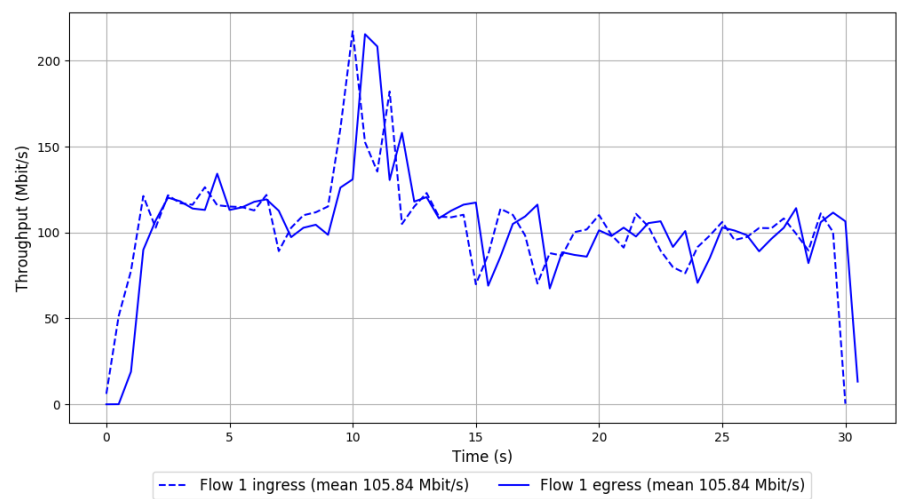
-- Flow 1:

Average throughput: 105.84 Mbit/s

95th percentile per-packet one-way delay: 122.089 ms

Loss rate: 0.00%

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

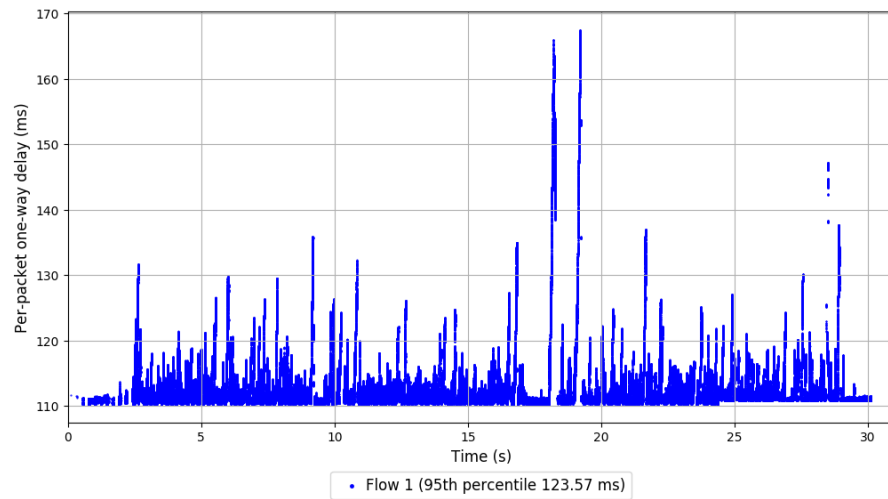
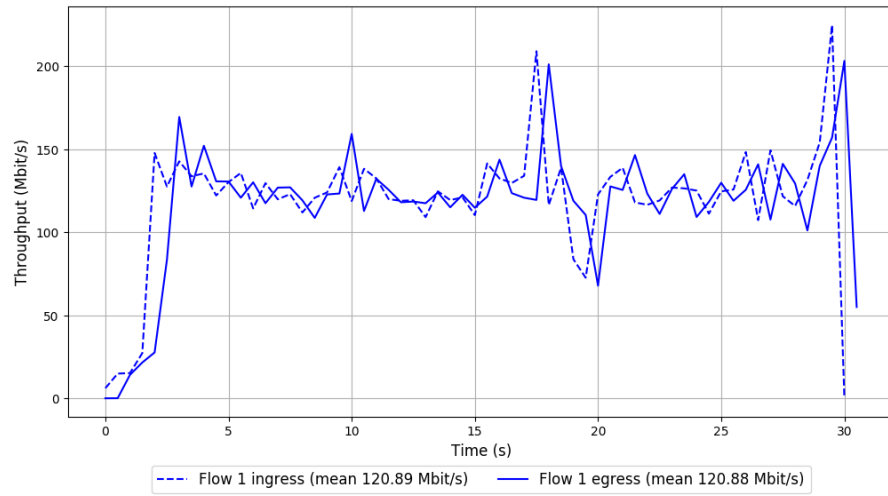


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 23:16:29
End at: 2018-08-09 23:16:59
Local clock offset: -0.093 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.88 Mbit/s
95th percentile per-packet one-way delay: 123.569 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 120.88 Mbit/s
95th percentile per-packet one-way delay: 123.569 ms
Loss rate: 0.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 23:38:52

End at: 2018-08-09 23:39:22

Local clock offset: -0.252 ms

Remote clock offset: -0.431 ms

Below is generated by plot.py at 2018-08-10 01:09:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 114.777 ms

Loss rate: 0.04%

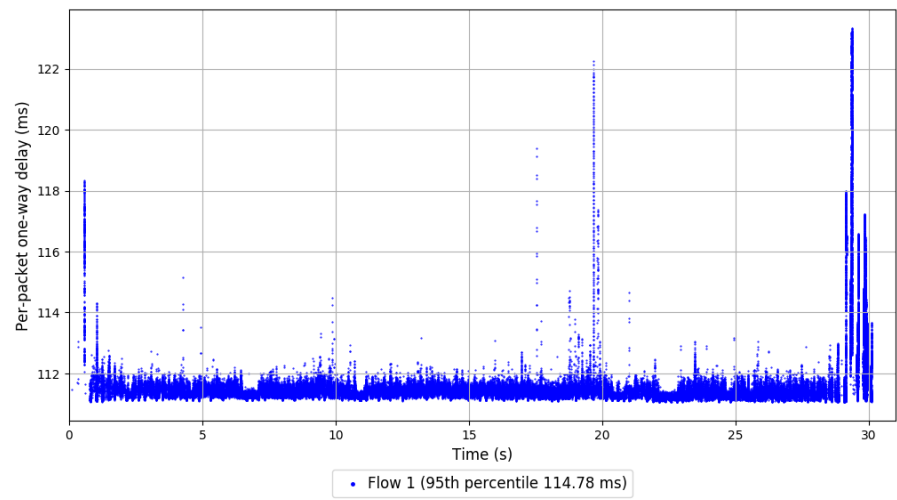
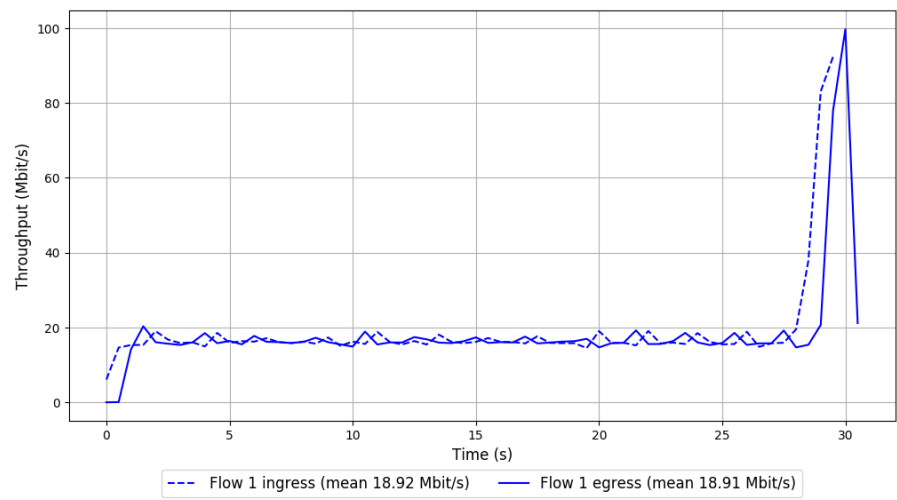
-- Flow 1:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 114.777 ms

Loss rate: 0.04%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 20:29:49

End at: 2018-08-09 20:30:19

Local clock offset: 0.597 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-08-10 01:09:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 116.474 ms

Loss rate: 0.00%

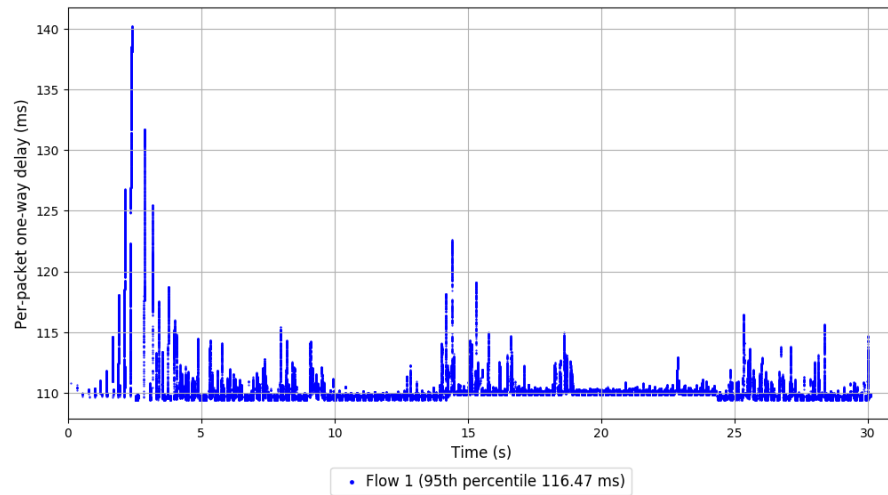
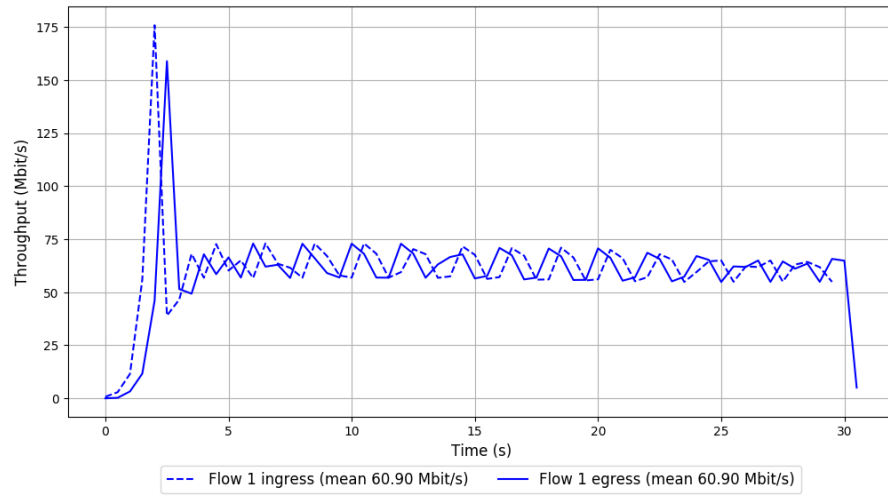
-- Flow 1:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 116.474 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

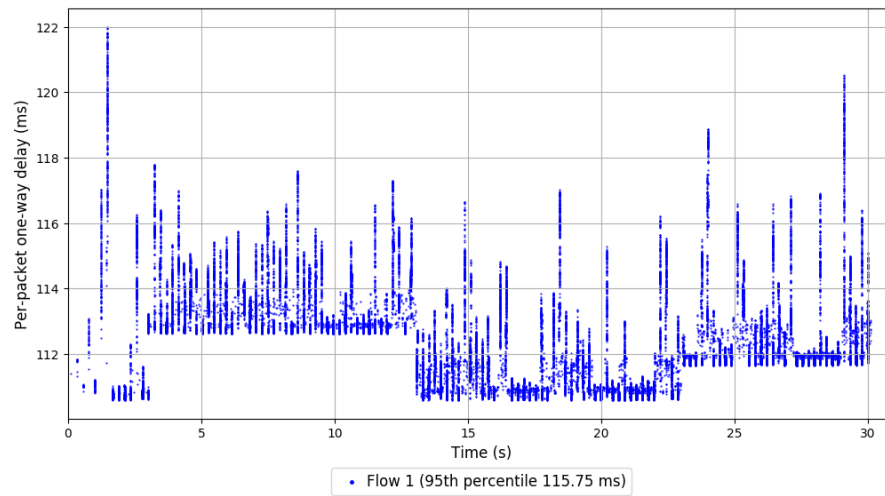
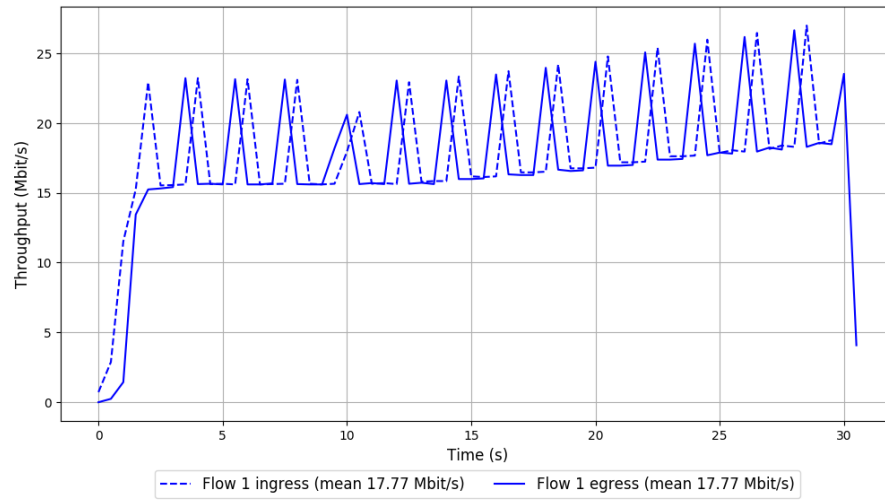


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 20:51:51
End at: 2018-08-09 20:52:21
Local clock offset: -0.126 ms
Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 115.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 115.747 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

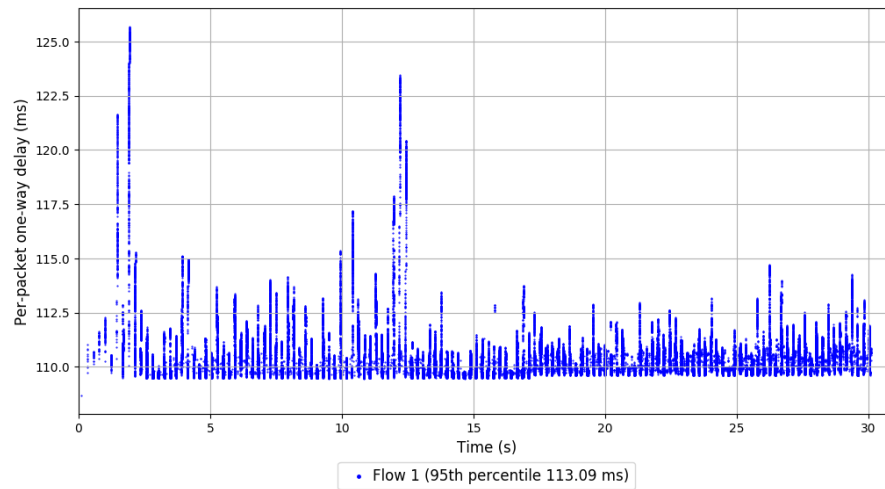
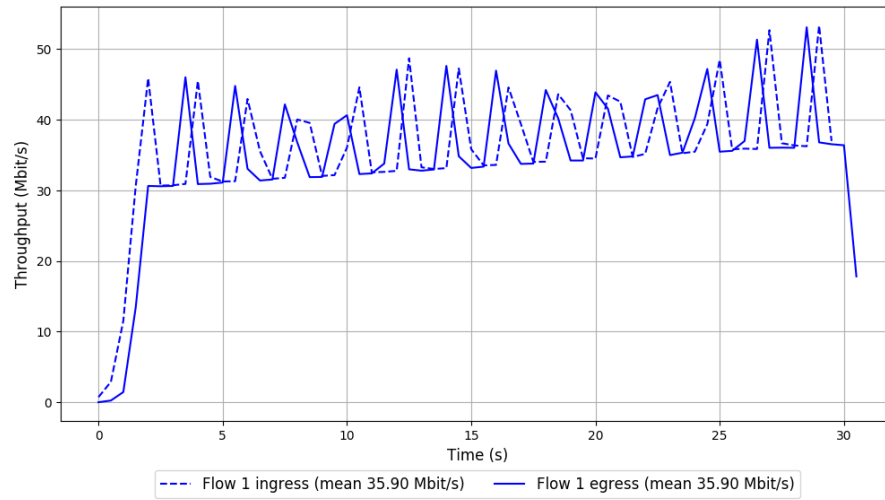


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 21:13:56
End at: 2018-08-09 21:14:26
Local clock offset: 1.088 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 113.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 113.091 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

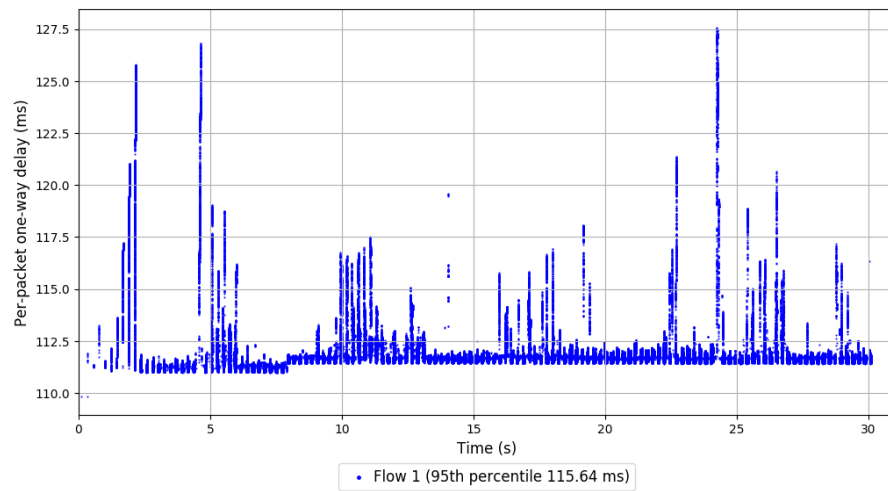
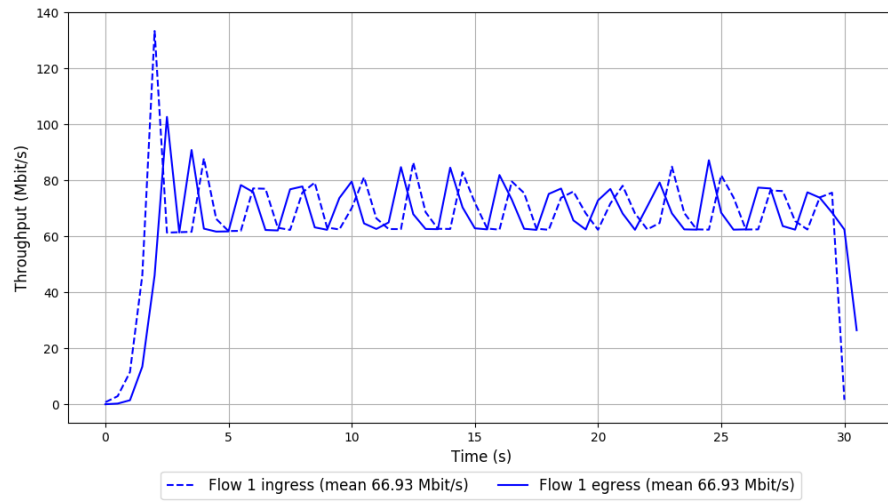


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 21:36:06
End at: 2018-08-09 21:36:36
Local clock offset: -0.689 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 115.638 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

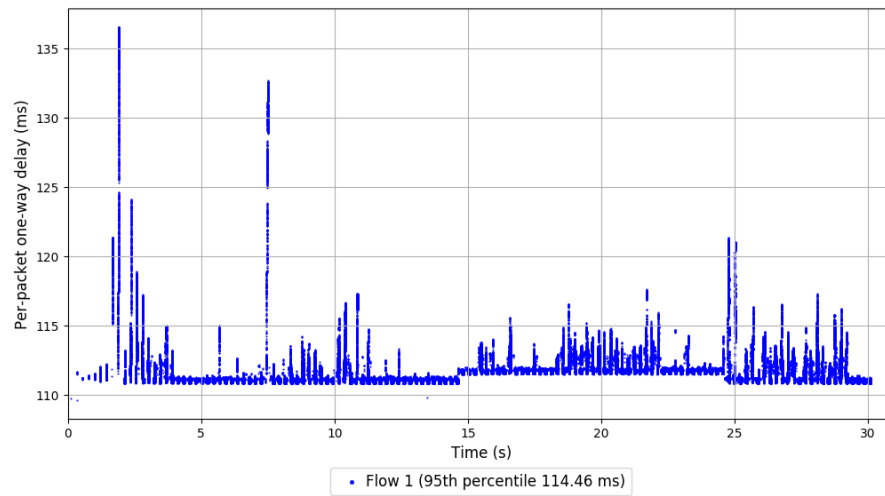
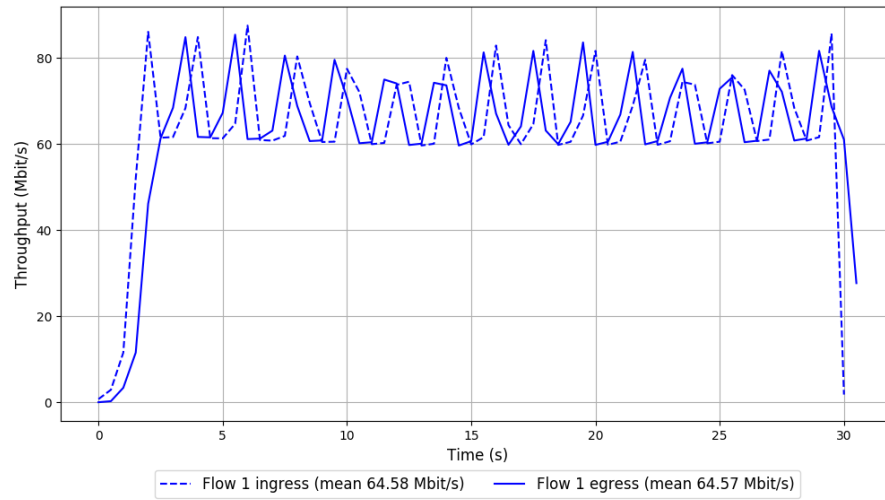


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 21:58:29
End at: 2018-08-09 21:58:59
Local clock offset: -0.209 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 114.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 114.457 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

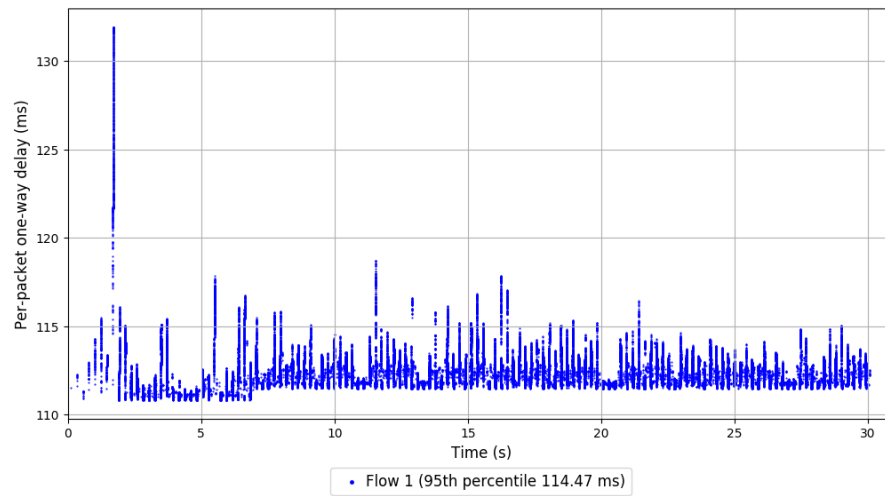
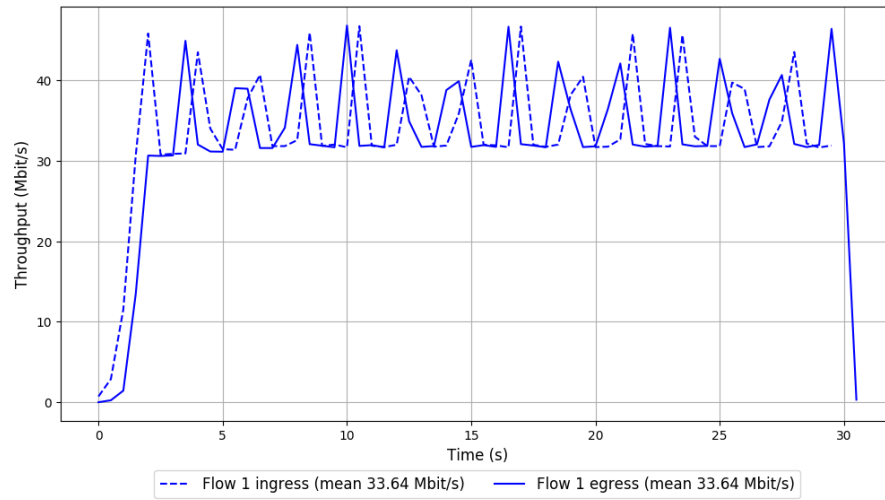


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 22:20:27
End at: 2018-08-09 22:20:57
Local clock offset: -0.263 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 114.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 114.475 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

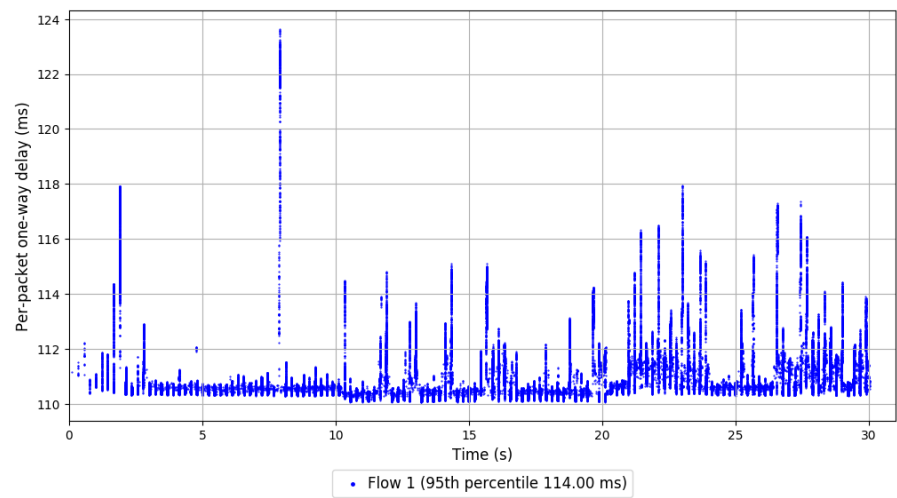
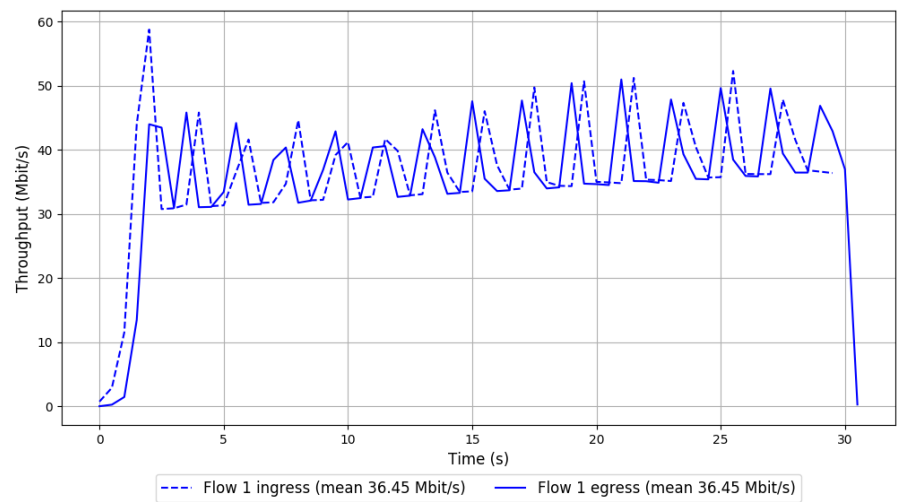


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 22:42:23
End at: 2018-08-09 22:42:53
Local clock offset: 0.661 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 114.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 114.004 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

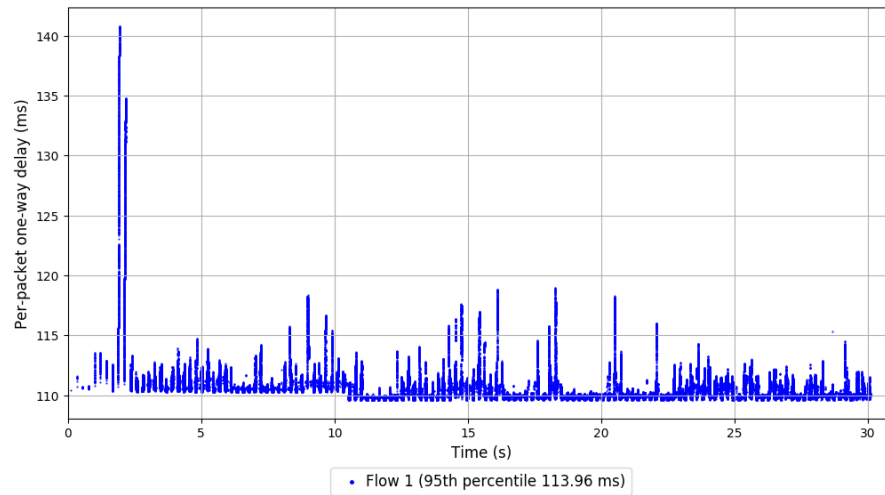
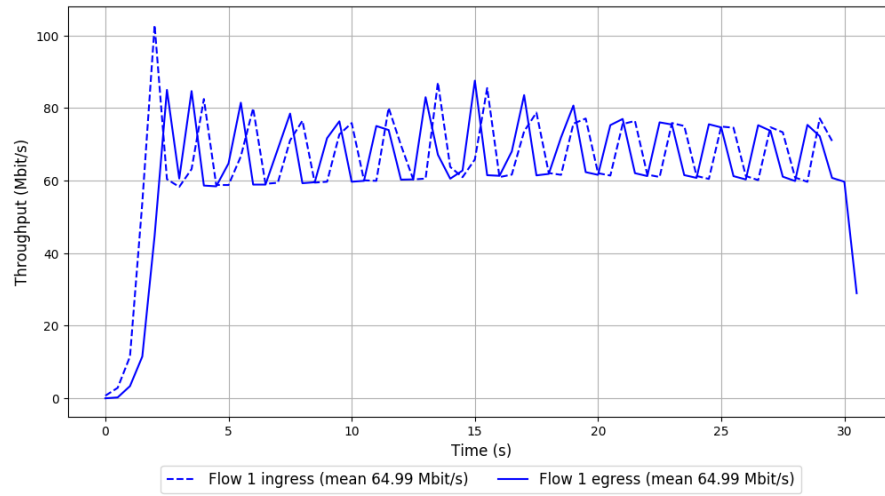


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 23:04:33
End at: 2018-08-09 23:05:03
Local clock offset: 0.911 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 113.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 113.963 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

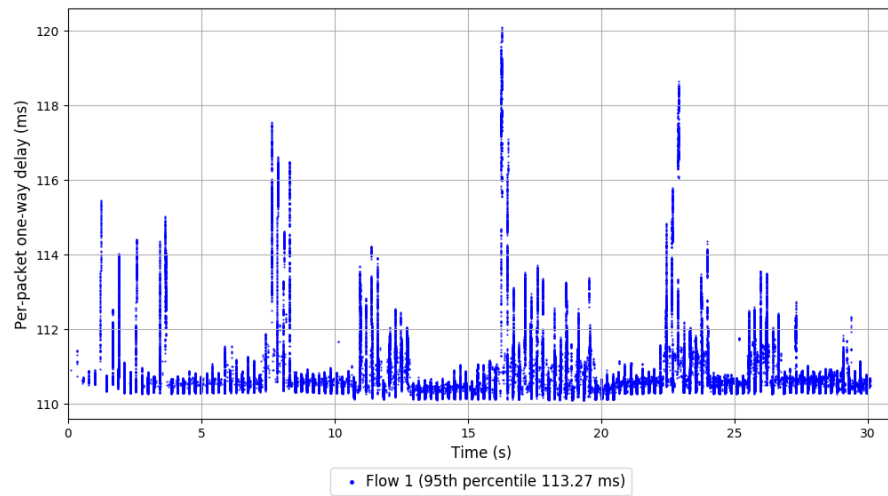
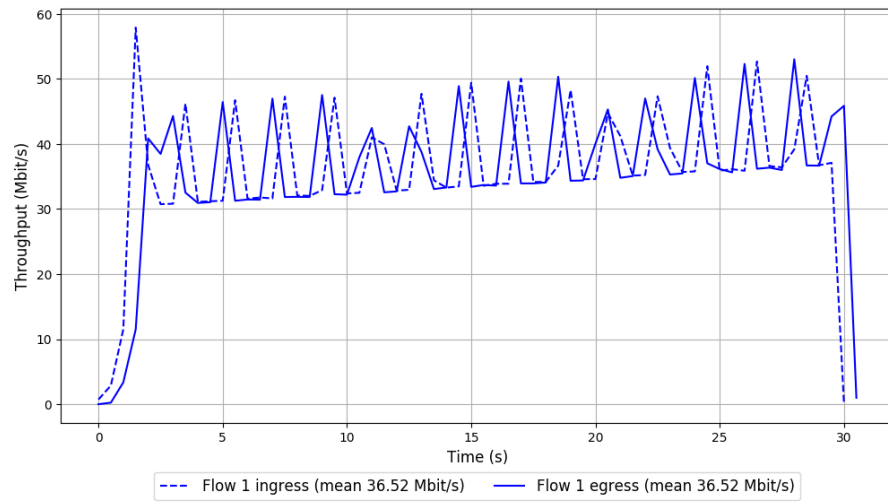


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 23:27:03
End at: 2018-08-09 23:27:33
Local clock offset: 0.257 ms
Remote clock offset: -0.733 ms

Below is generated by plot.py at 2018-08-10 01:09:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 113.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 113.270 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 23:49:11

End at: 2018-08-09 23:49:41

Local clock offset: -1.336 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-08-10 01:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.82 Mbit/s

95th percentile per-packet one-way delay: 147.345 ms

Loss rate: 0.00%

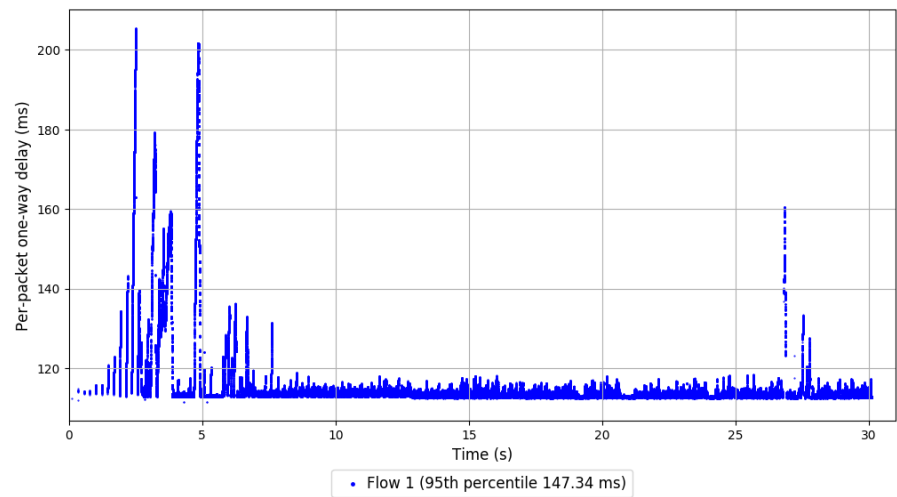
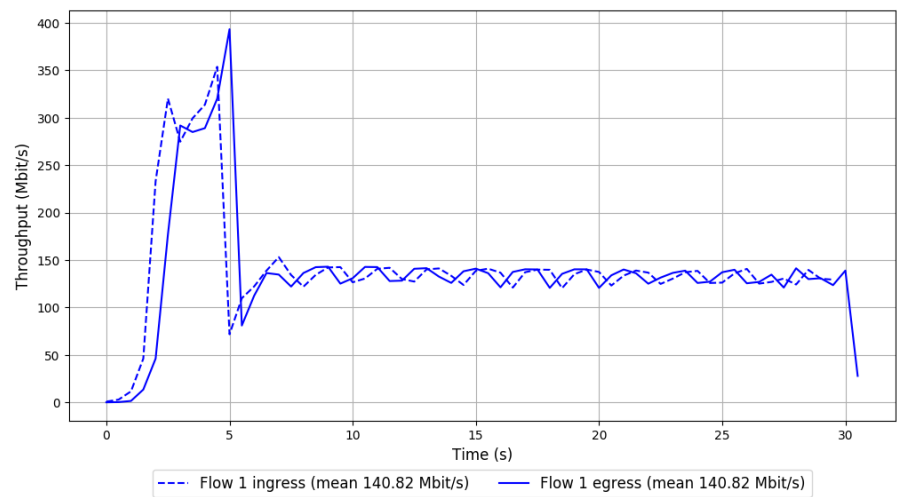
-- Flow 1:

Average throughput: 140.82 Mbit/s

95th percentile per-packet one-way delay: 147.345 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-09 20:18:05

End at: 2018-08-09 20:18:35

Local clock offset: -0.561 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-08-10 01:11:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.53 Mbit/s

95th percentile per-packet one-way delay: 182.449 ms

Loss rate: 2.32%

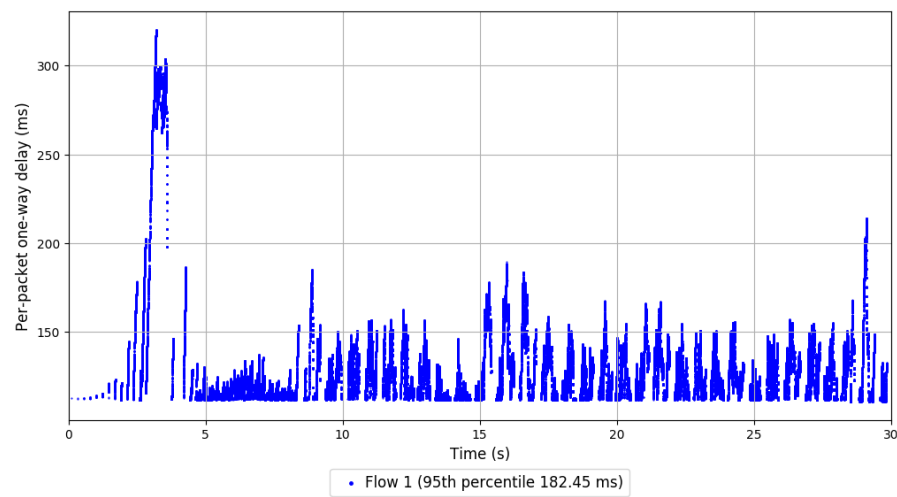
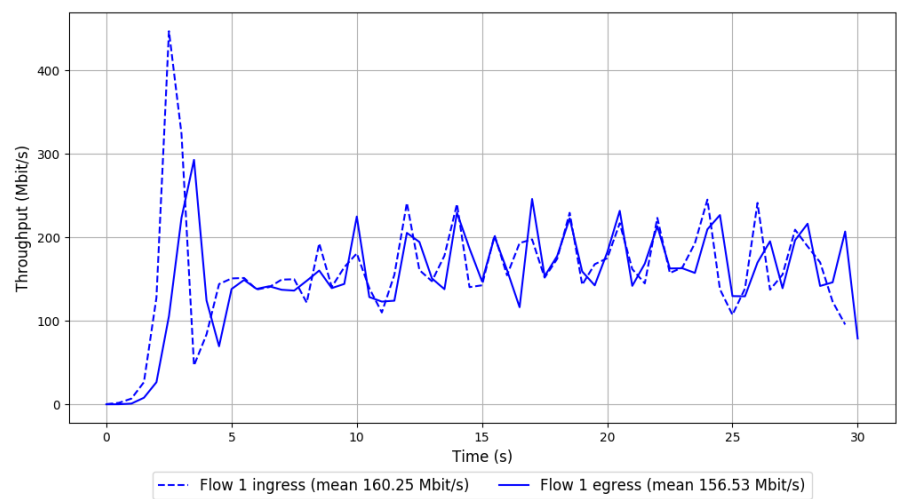
-- Flow 1:

Average throughput: 156.53 Mbit/s

95th percentile per-packet one-way delay: 182.449 ms

Loss rate: 2.32%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-09 20:40:12

End at: 2018-08-09 20:40:42

Local clock offset: -0.68 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-08-10 01:11:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.04 Mbit/s

95th percentile per-packet one-way delay: 220.059 ms

Loss rate: 1.96%

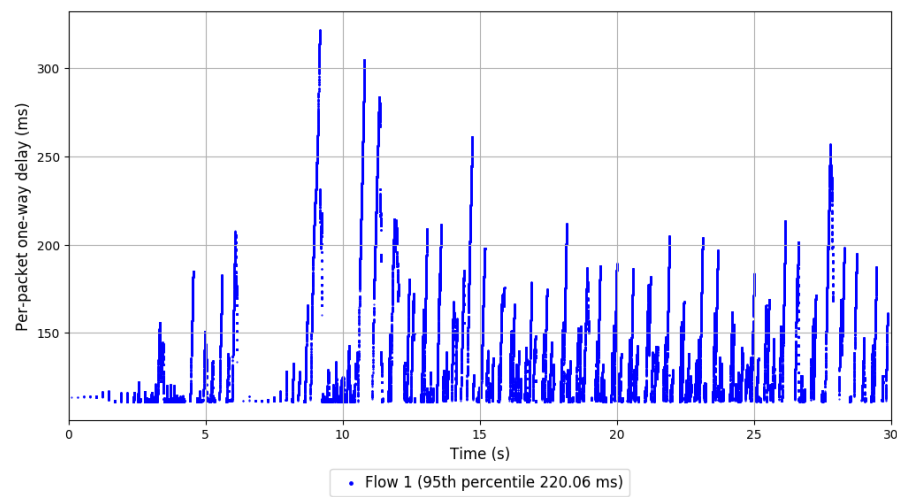
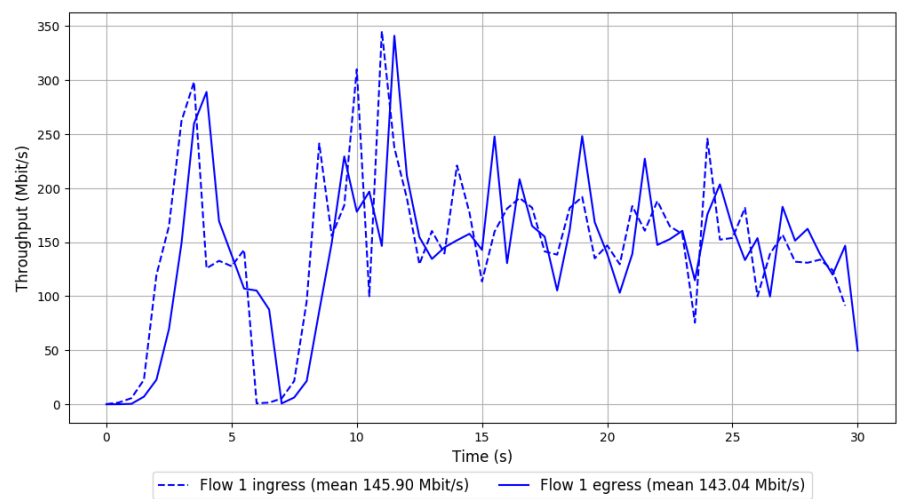
-- Flow 1:

Average throughput: 143.04 Mbit/s

95th percentile per-packet one-way delay: 220.059 ms

Loss rate: 1.96%

Run 2: Report of Verus — Data Link

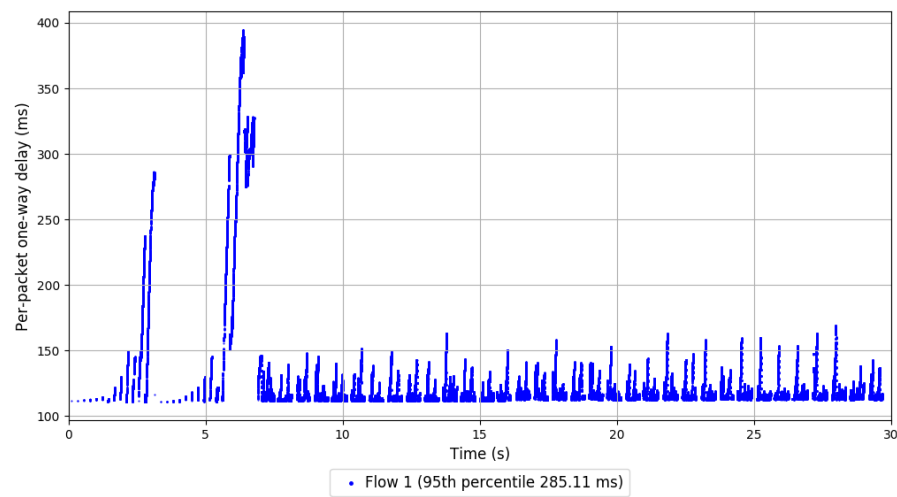
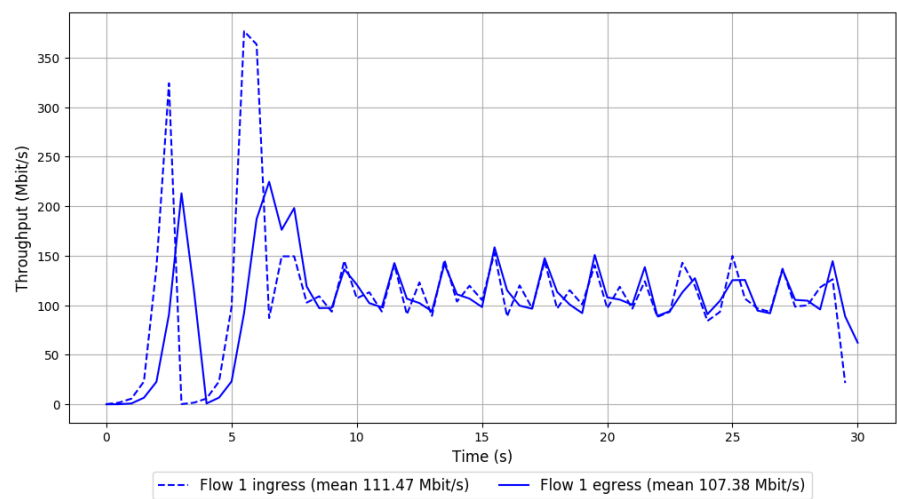


Run 3: Statistics of Verus

Start at: 2018-08-09 21:02:07
End at: 2018-08-09 21:02:37
Local clock offset: -0.631 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-08-10 01:11:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.38 Mbit/s
95th percentile per-packet one-way delay: 285.110 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 107.38 Mbit/s
95th percentile per-packet one-way delay: 285.110 ms
Loss rate: 3.66%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-09 21:24:26

End at: 2018-08-09 21:24:56

Local clock offset: 0.617 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-08-10 01:11:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.52 Mbit/s

95th percentile per-packet one-way delay: 257.620 ms

Loss rate: 0.67%

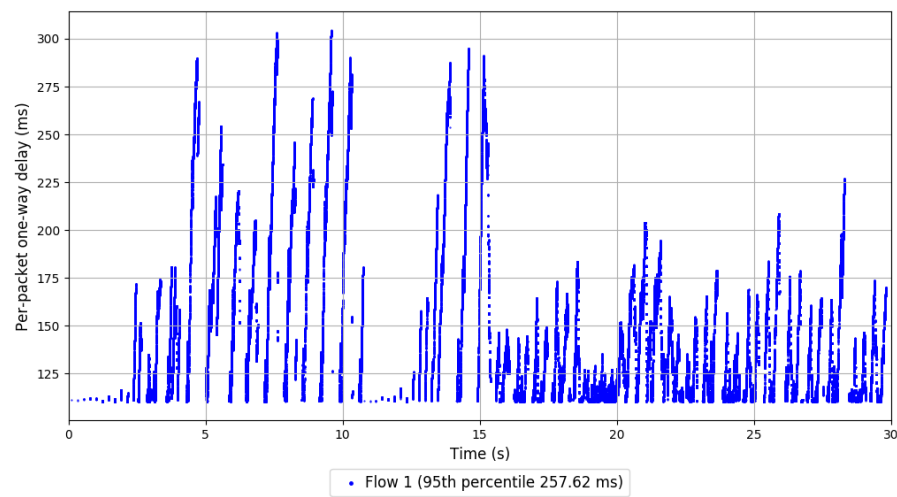
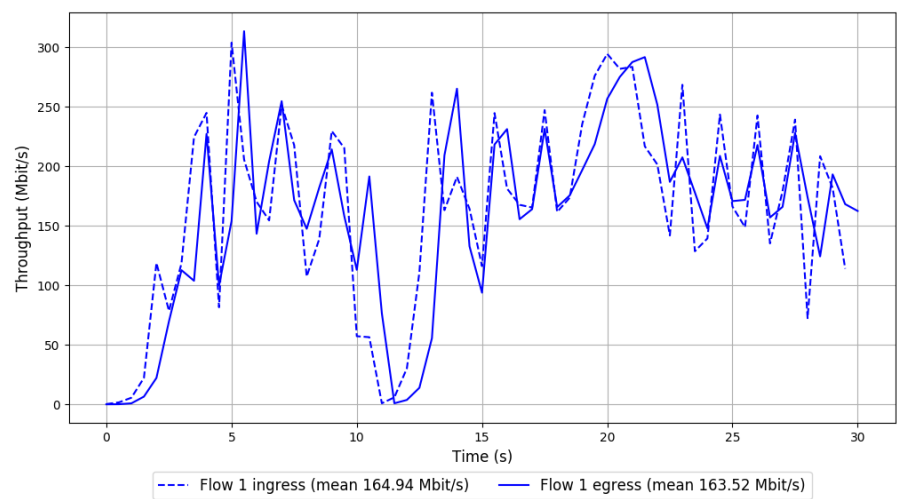
-- Flow 1:

Average throughput: 163.52 Mbit/s

95th percentile per-packet one-way delay: 257.620 ms

Loss rate: 0.67%

Run 4: Report of Verus — Data Link

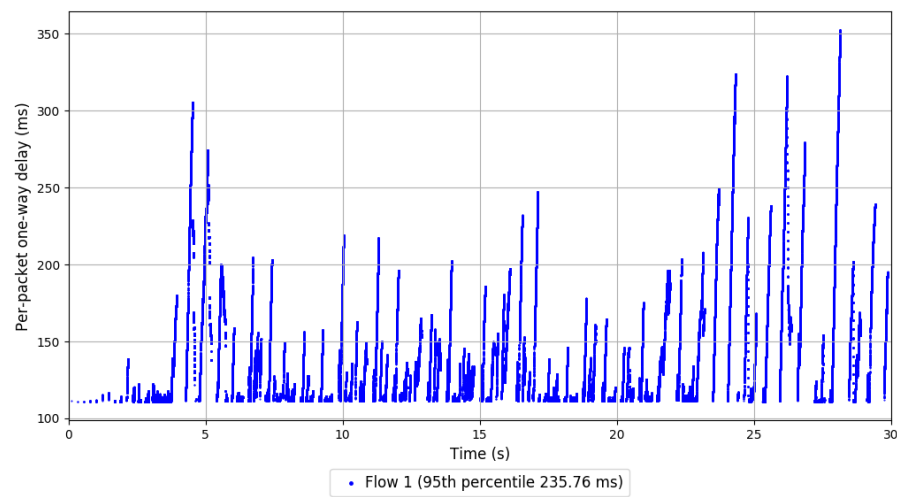
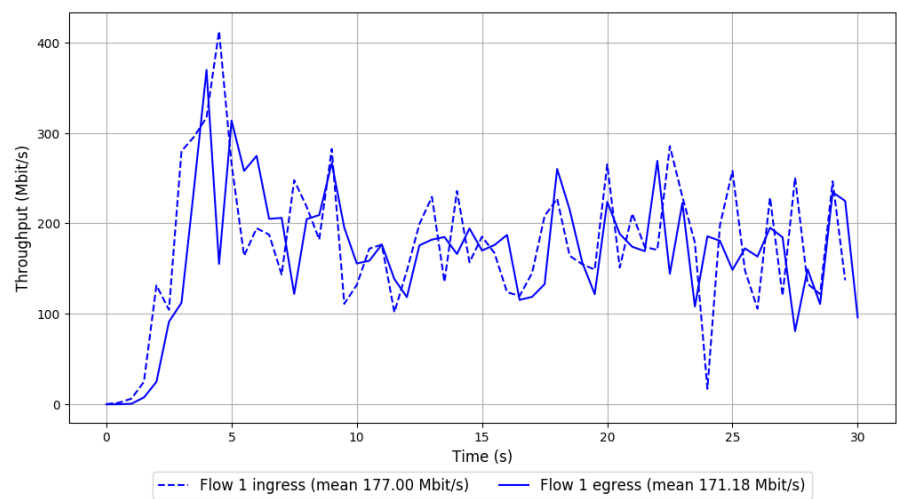


Run 5: Statistics of Verus

Start at: 2018-08-09 21:46:39
End at: 2018-08-09 21:47:09
Local clock offset: 0.058 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-10 01:12:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.18 Mbit/s
95th percentile per-packet one-way delay: 235.760 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 171.18 Mbit/s
95th percentile per-packet one-way delay: 235.760 ms
Loss rate: 3.27%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

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

End at: 2018-08-09 22:09:31

Local clock offset: 1.239 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-08-10 01:12:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.15 Mbit/s

95th percentile per-packet one-way delay: 257.892 ms

Loss rate: 6.23%

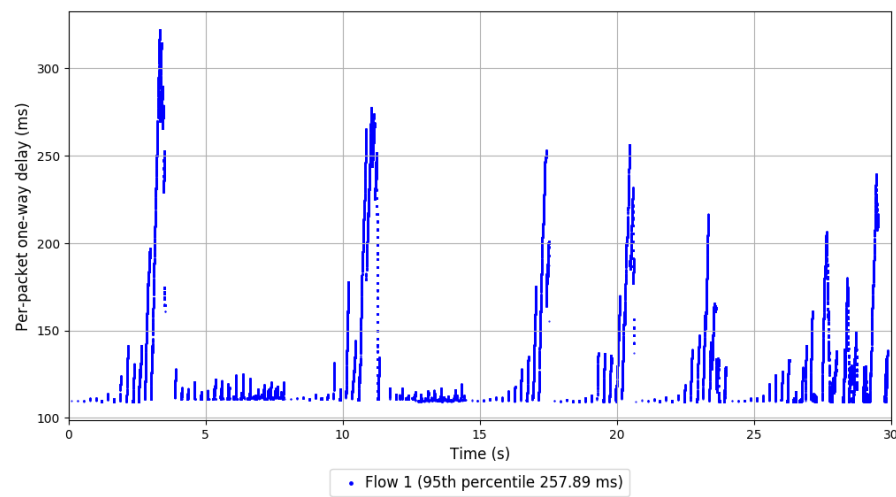
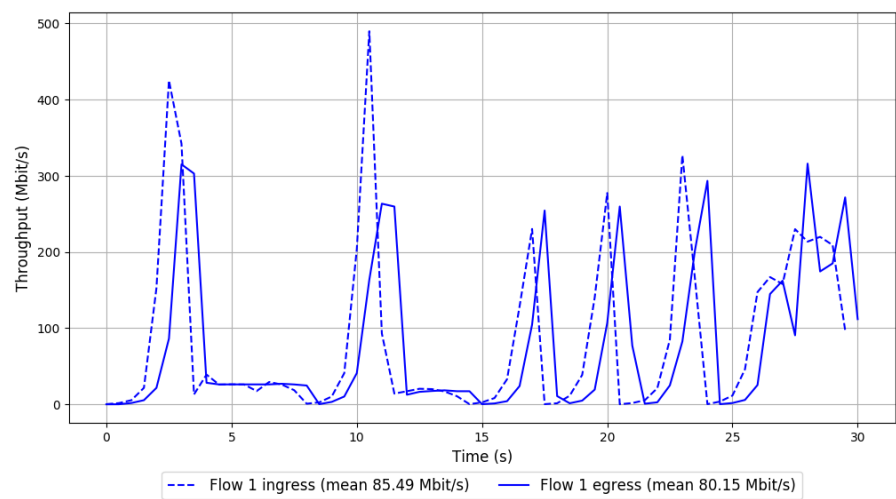
-- Flow 1:

Average throughput: 80.15 Mbit/s

95th percentile per-packet one-way delay: 257.892 ms

Loss rate: 6.23%

Run 6: Report of Verus — Data Link

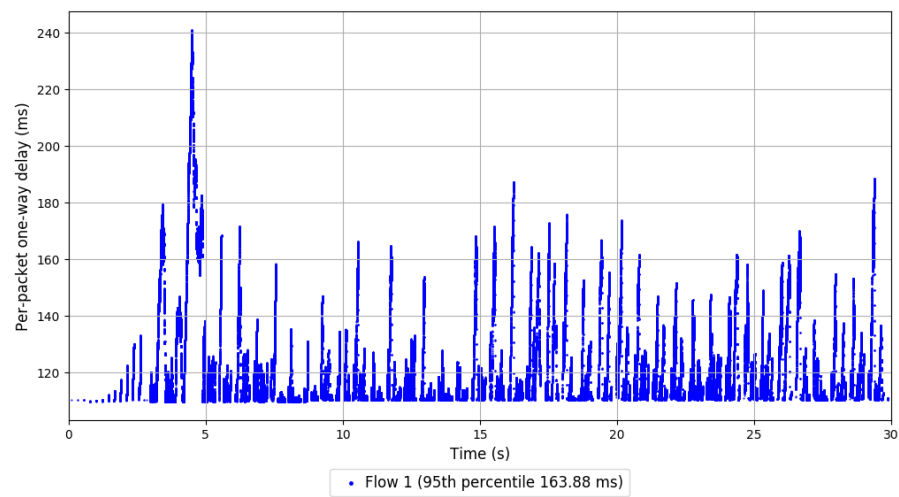
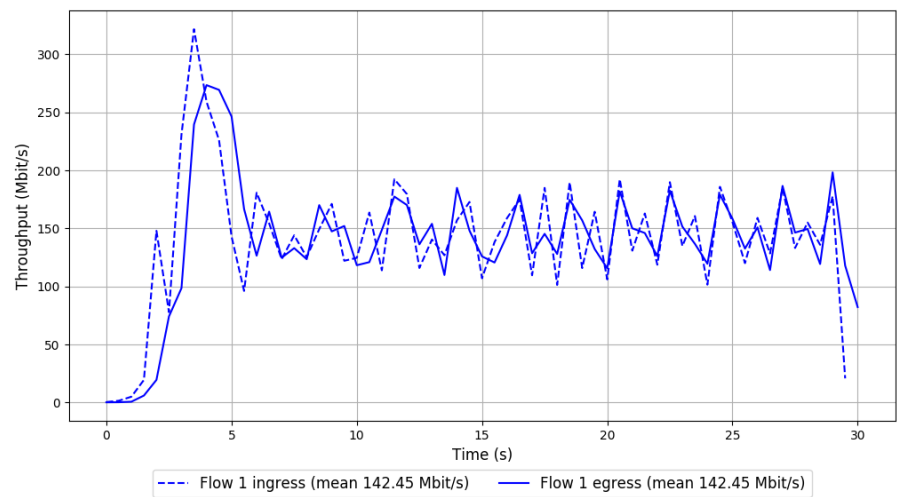


Run 7: Statistics of Verus

Start at: 2018-08-09 22:30:55
End at: 2018-08-09 22:31:25
Local clock offset: 0.498 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-08-10 01:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.45 Mbit/s
95th percentile per-packet one-way delay: 163.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.45 Mbit/s
95th percentile per-packet one-way delay: 163.883 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

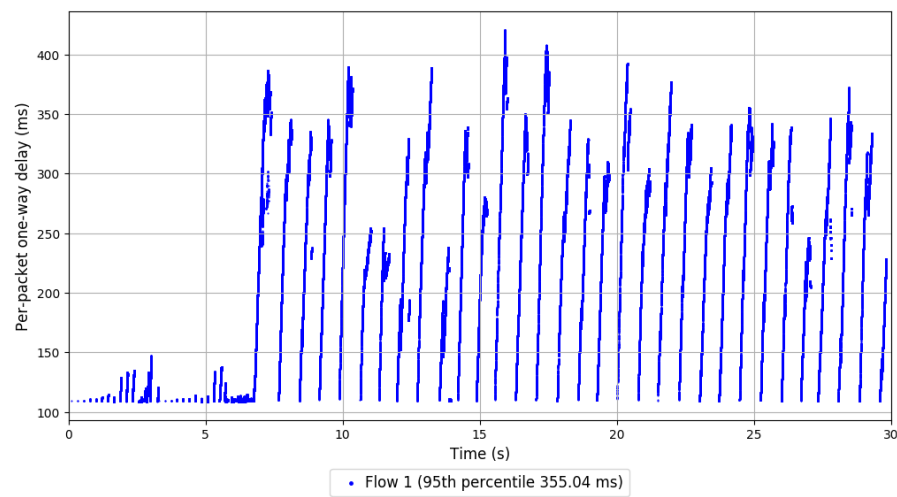
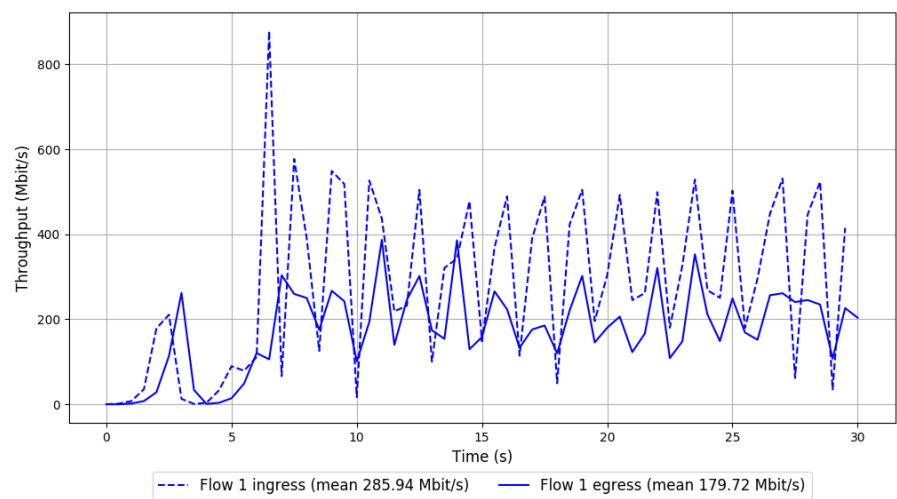


Run 8: Statistics of Verus

Start at: 2018-08-09 22:52:47
End at: 2018-08-09 22:53:17
Local clock offset: 1.178 ms
Remote clock offset: -0.746 ms

Below is generated by plot.py at 2018-08-10 01:14:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.72 Mbit/s
95th percentile per-packet one-way delay: 355.044 ms
Loss rate: 37.15%
-- Flow 1:
Average throughput: 179.72 Mbit/s
95th percentile per-packet one-way delay: 355.044 ms
Loss rate: 37.15%

Run 8: Report of Verus — Data Link

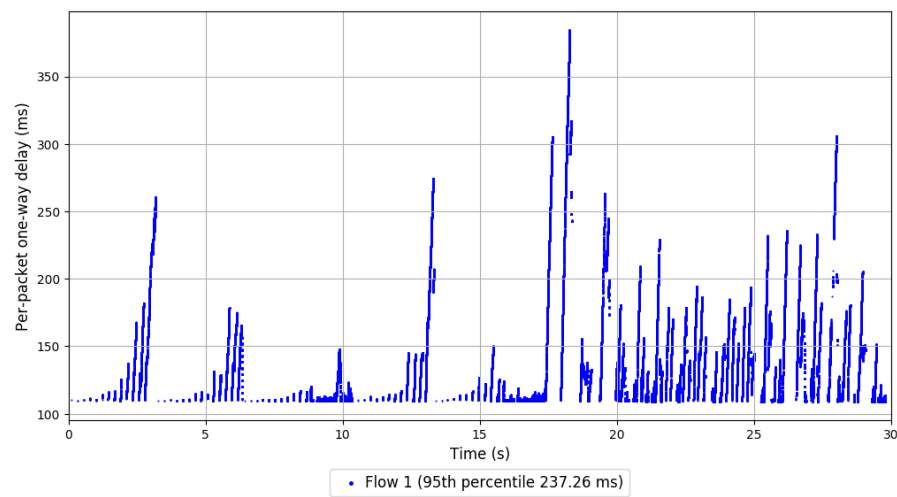
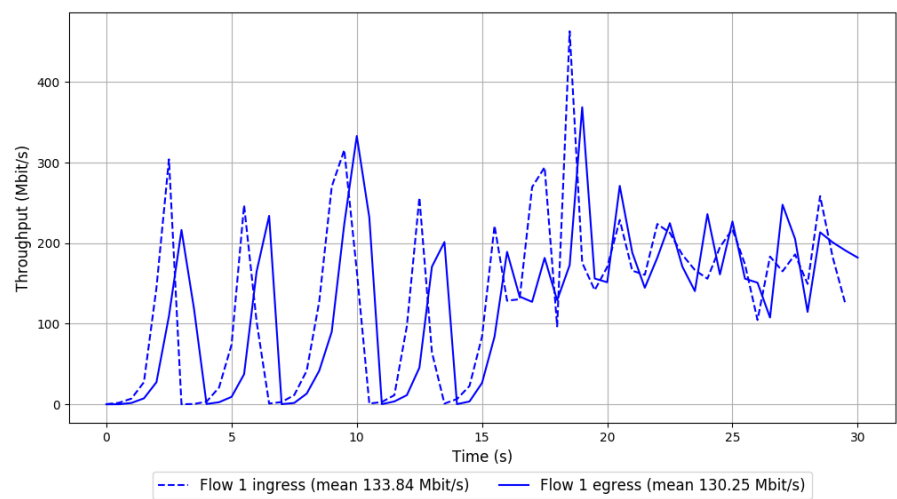


Run 9: Statistics of Verus

Start at: 2018-08-09 23:15:12
End at: 2018-08-09 23:15:42
Local clock offset: 1.279 ms
Remote clock offset: -0.431 ms

Below is generated by plot.py at 2018-08-10 01:14:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.25 Mbit/s
95th percentile per-packet one-way delay: 237.259 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 130.25 Mbit/s
95th percentile per-packet one-way delay: 237.259 ms
Loss rate: 2.67%

Run 9: Report of Verus — Data Link

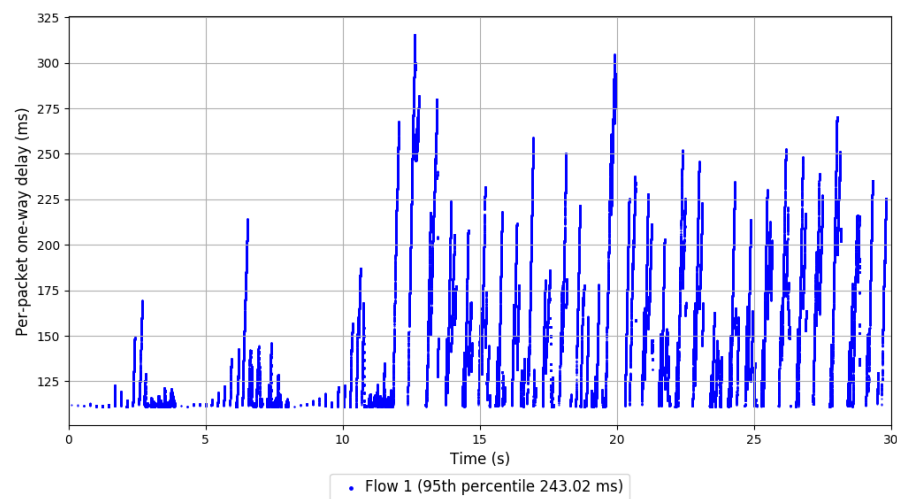
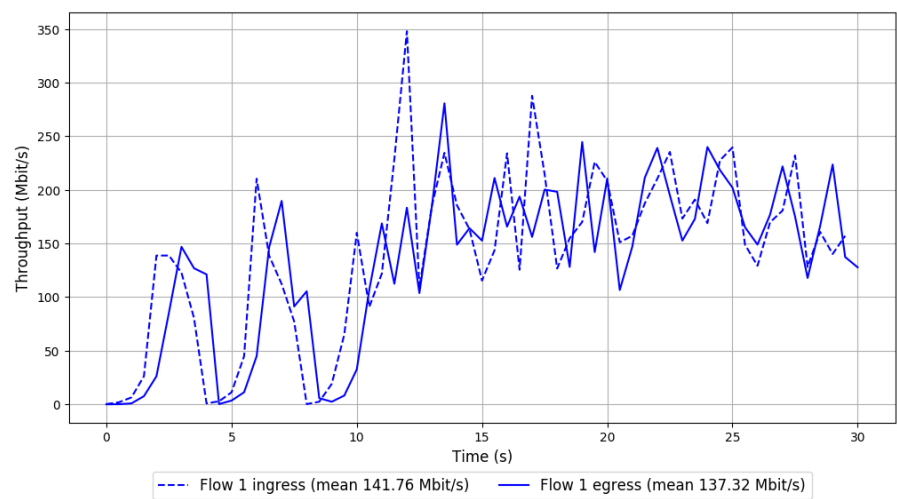


Run 10: Statistics of Verus

Start at: 2018-08-09 23:37:34
End at: 2018-08-09 23:38:04
Local clock offset: -0.159 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2018-08-10 01:14:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.32 Mbit/s
95th percentile per-packet one-way delay: 243.019 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 137.32 Mbit/s
95th percentile per-packet one-way delay: 243.019 ms
Loss rate: 3.12%

Run 10: Report of Verus — Data Link

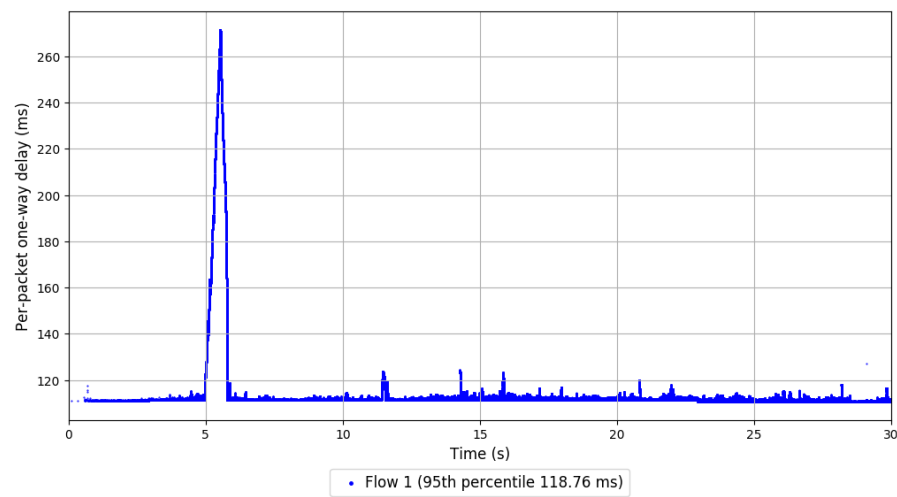
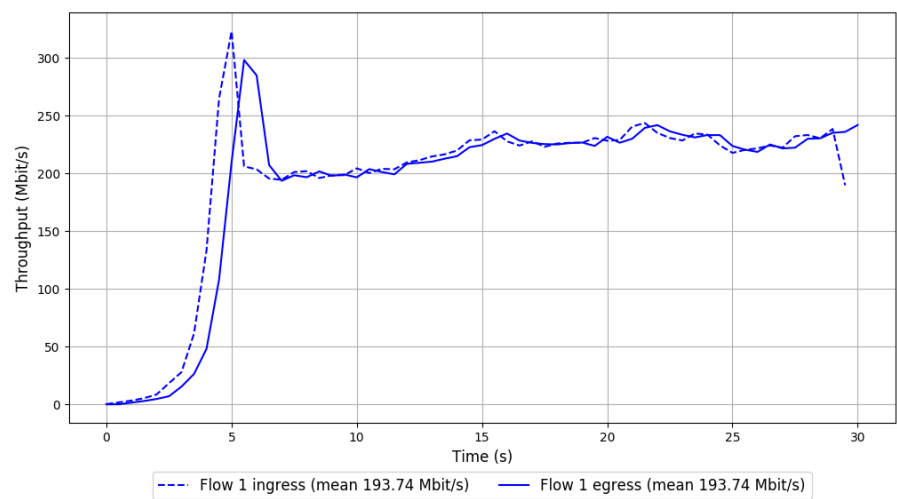


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 20:10:00
End at: 2018-08-09 20:10:31
Local clock offset: -0.527 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-10 01:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.74 Mbit/s
95th percentile per-packet one-way delay: 118.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.74 Mbit/s
95th percentile per-packet one-way delay: 118.759 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

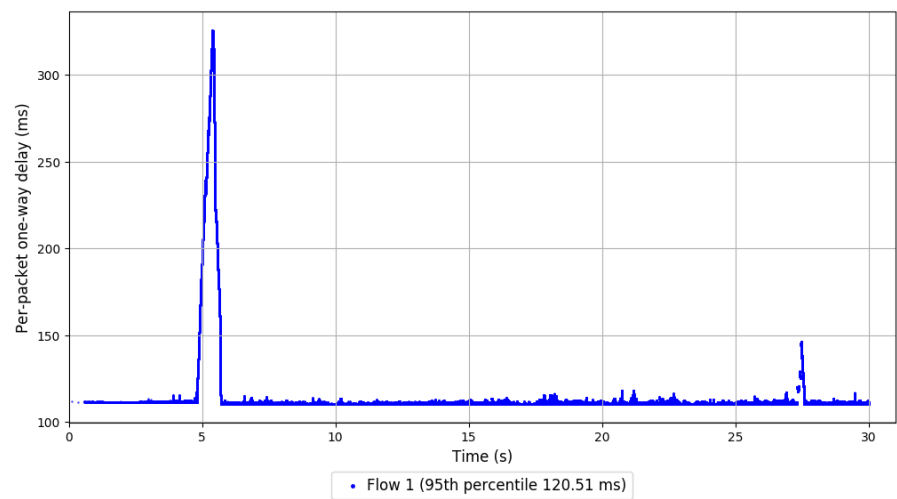
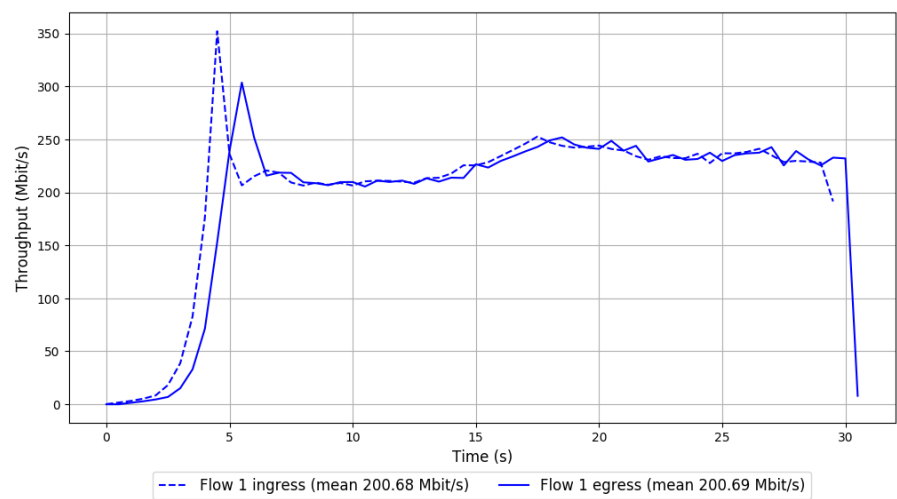


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 20:32:08
End at: 2018-08-09 20:32:38
Local clock offset: -0.682 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-10 01:14:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.69 Mbit/s
95th percentile per-packet one-way delay: 120.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.69 Mbit/s
95th percentile per-packet one-way delay: 120.507 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

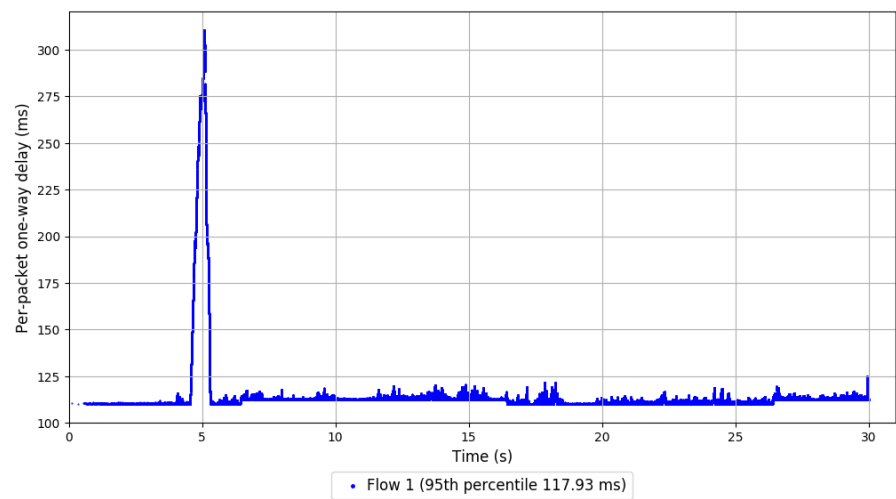
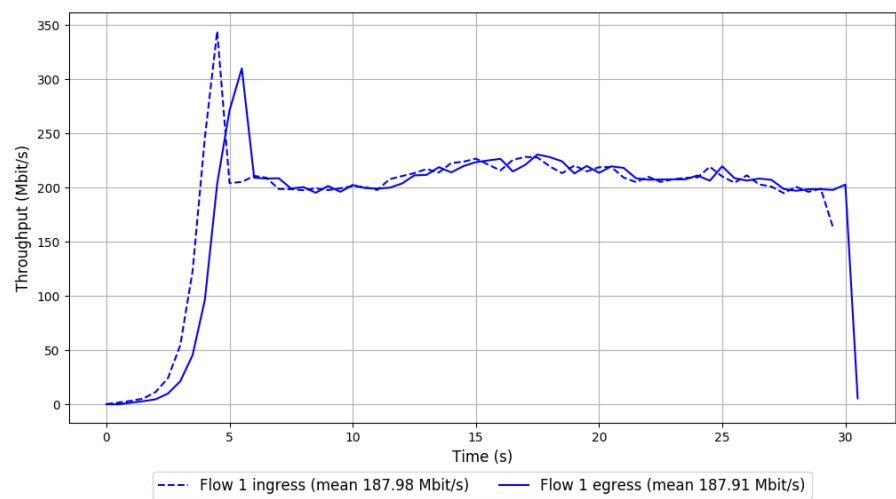


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 20:54:07
End at: 2018-08-09 20:54:37
Local clock offset: -0.373 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-10 01:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.91 Mbit/s
95th percentile per-packet one-way delay: 117.930 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 187.91 Mbit/s
95th percentile per-packet one-way delay: 117.930 ms
Loss rate: 0.03%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 21:16:14

End at: 2018-08-09 21:16:44

Local clock offset: 0.769 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-08-10 01:16:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 120.760 ms

Loss rate: 0.08%

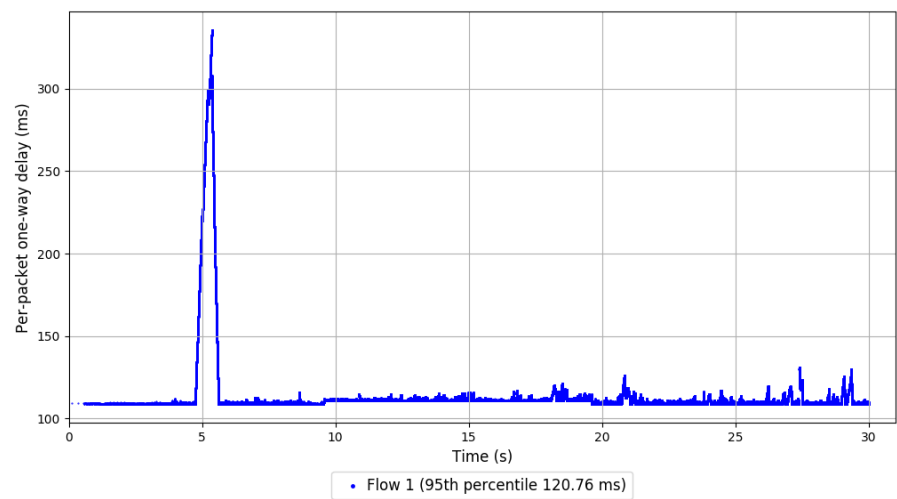
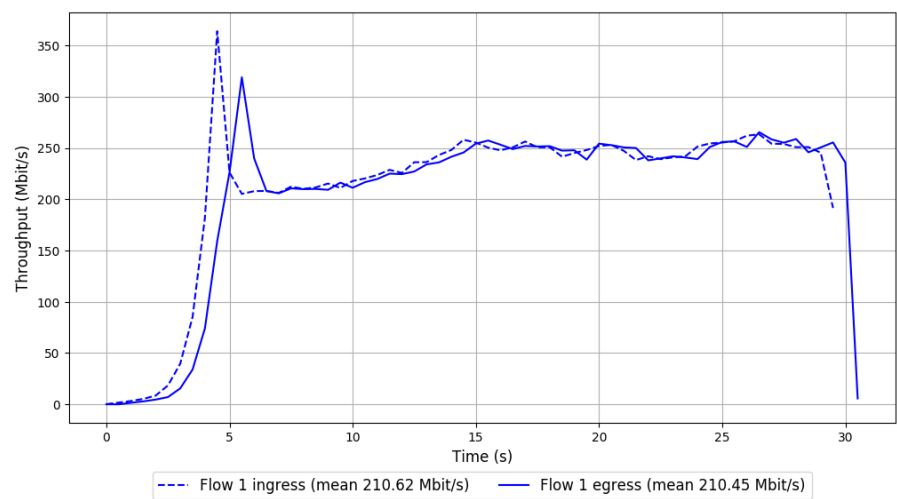
-- Flow 1:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 120.760 ms

Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 21:38:25

End at: 2018-08-09 21:38:55

Local clock offset: 1.171 ms

Remote clock offset: -0.479 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.10 Mbit/s

95th percentile per-packet one-way delay: 125.515 ms

Loss rate: 0.00%

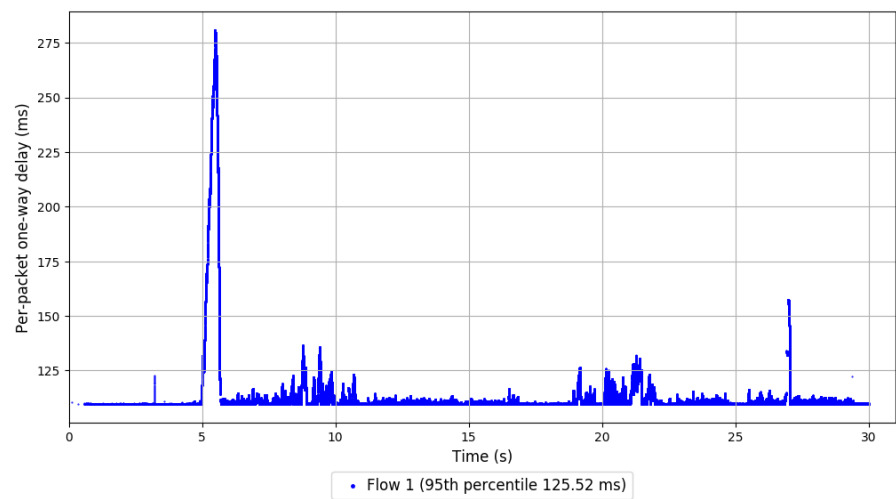
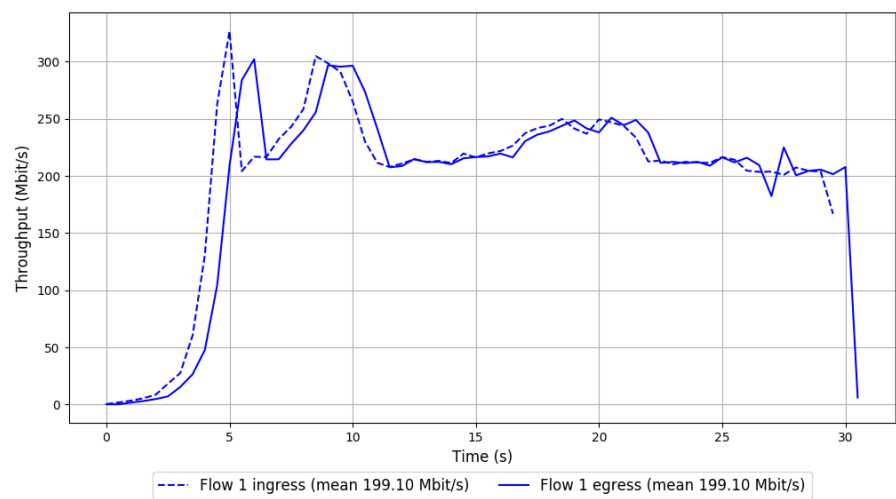
-- Flow 1:

Average throughput: 199.10 Mbit/s

95th percentile per-packet one-way delay: 125.515 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

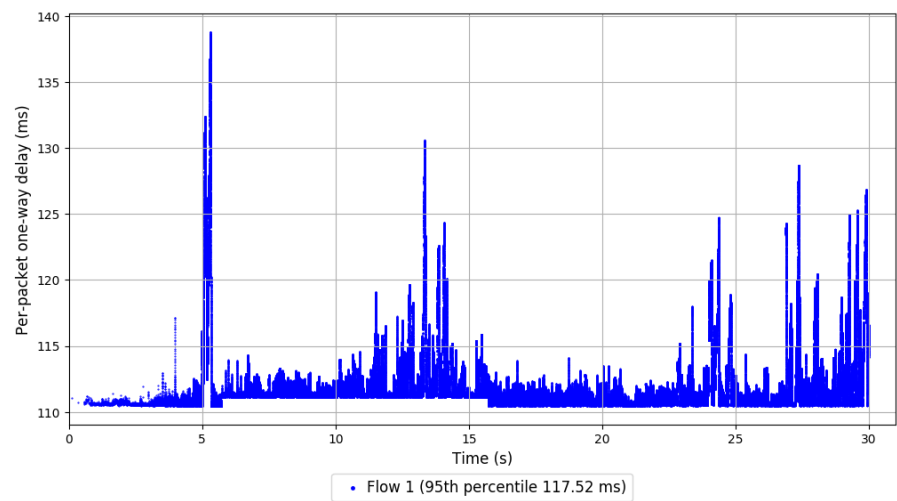
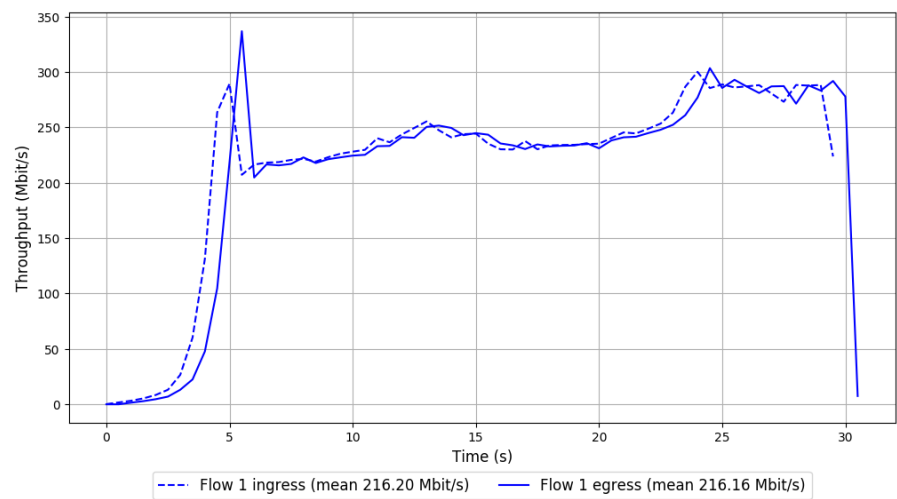


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 22:00:48
End at: 2018-08-09 22:01:18
Local clock offset: -0.266 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-08-10 01:16:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.16 Mbit/s
95th percentile per-packet one-way delay: 117.517 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 216.16 Mbit/s
95th percentile per-packet one-way delay: 117.517 ms
Loss rate: 0.02%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 22:22:44

End at: 2018-08-09 22:23:14

Local clock offset: -0.168 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-08-10 01:16:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.23 Mbit/s

95th percentile per-packet one-way delay: 121.033 ms

Loss rate: 0.00%

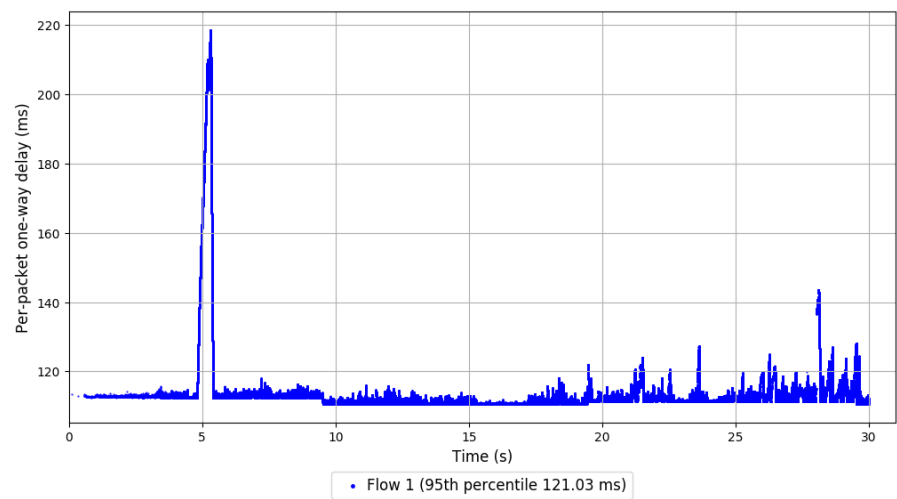
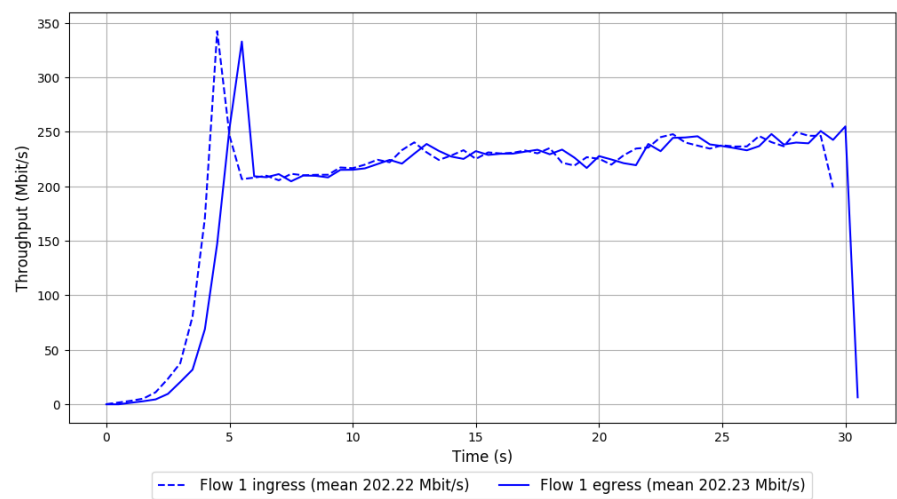
-- Flow 1:

Average throughput: 202.23 Mbit/s

95th percentile per-packet one-way delay: 121.033 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

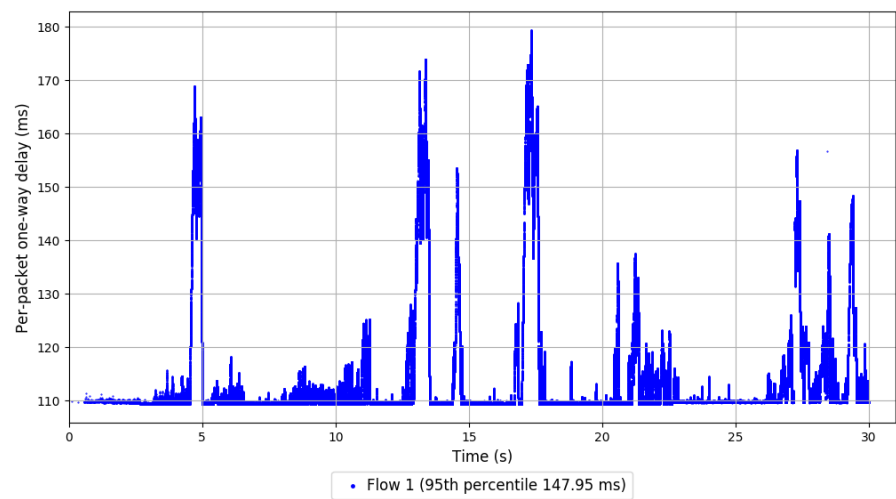
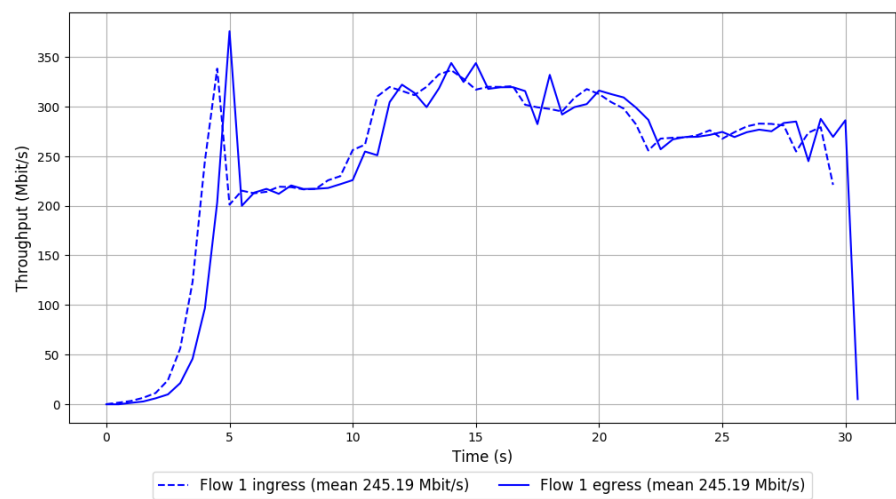


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 22:44:41
End at: 2018-08-09 22:45:11
Local clock offset: -0.131 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-08-10 01:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.19 Mbit/s
95th percentile per-packet one-way delay: 147.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 245.19 Mbit/s
95th percentile per-packet one-way delay: 147.951 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

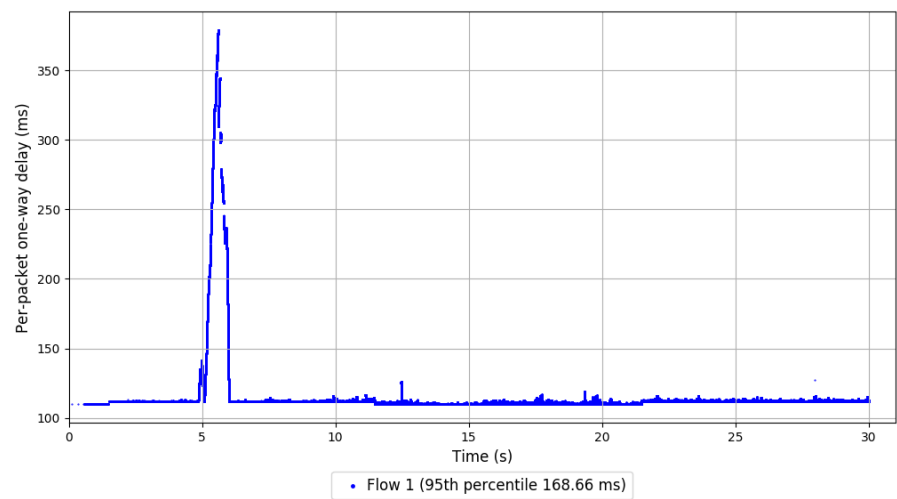
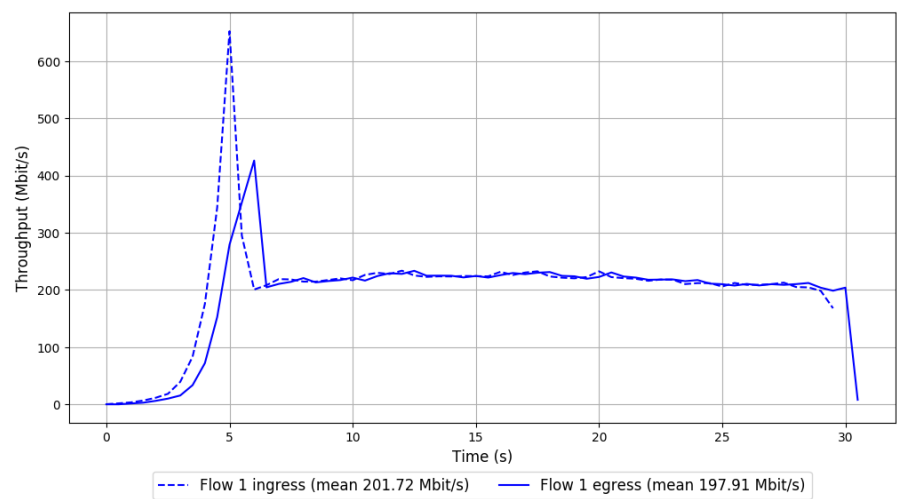


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 23:06:52
End at: 2018-08-09 23:07:22
Local clock offset: -0.348 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-10 01:17:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.91 Mbit/s
95th percentile per-packet one-way delay: 168.657 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 197.91 Mbit/s
95th percentile per-packet one-way delay: 168.657 ms
Loss rate: 1.88%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 23:29:21

End at: 2018-08-09 23:29:51

Local clock offset: 0.056 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-08-10 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.43 Mbit/s

95th percentile per-packet one-way delay: 137.311 ms

Loss rate: 1.86%

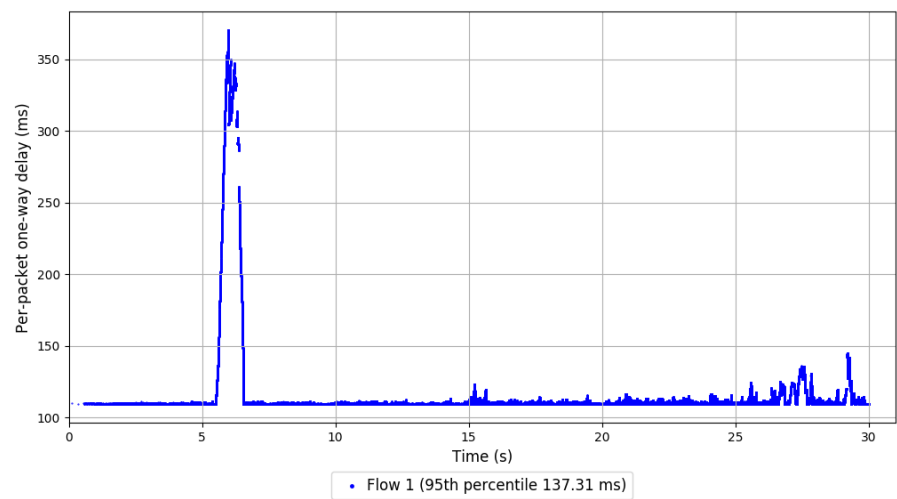
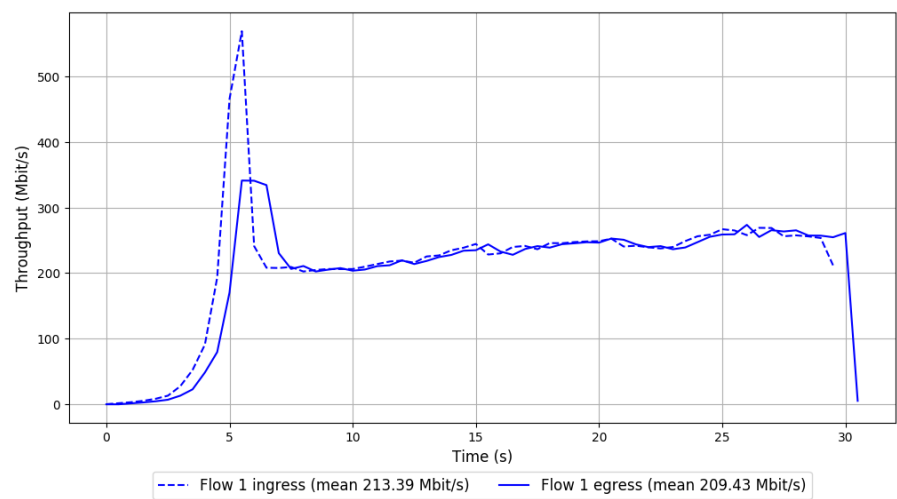
-- Flow 1:

Average throughput: 209.43 Mbit/s

95th percentile per-packet one-way delay: 137.311 ms

Loss rate: 1.86%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-09 20:24:39

End at: 2018-08-09 20:25:09

Local clock offset: -0.115 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-08-10 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 111.900 ms

Loss rate: 0.00%

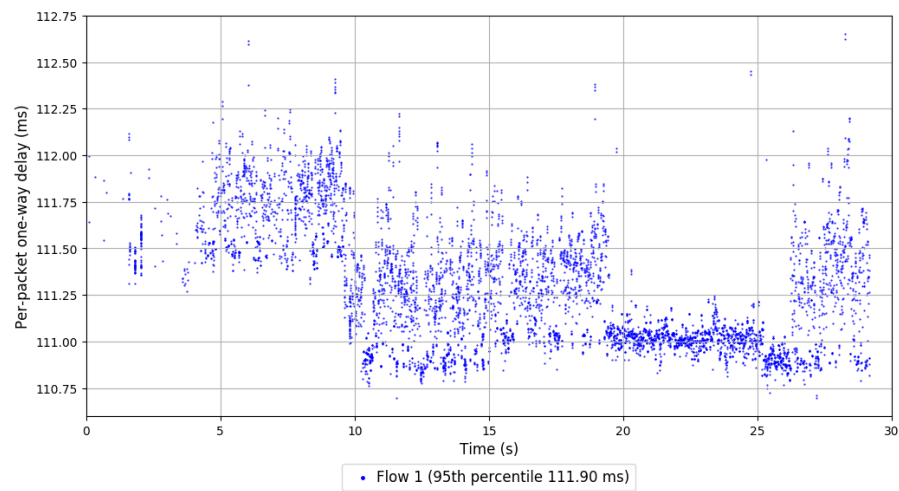
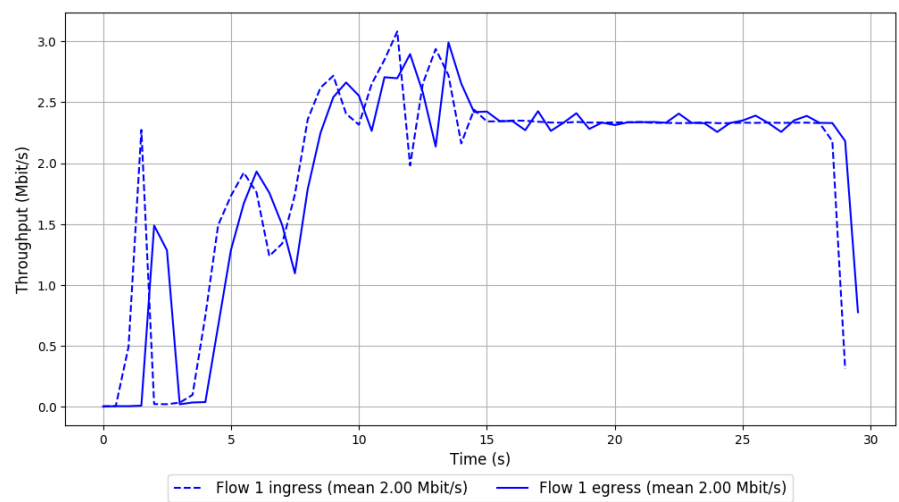
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 111.900 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

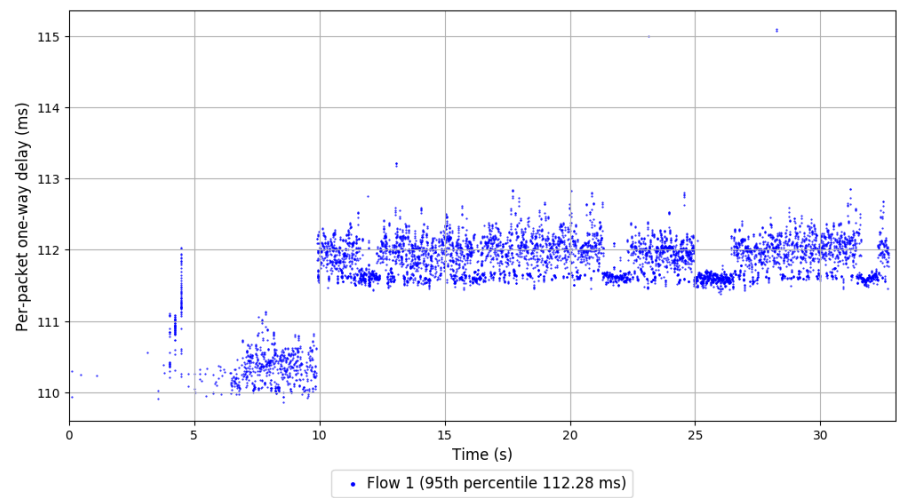
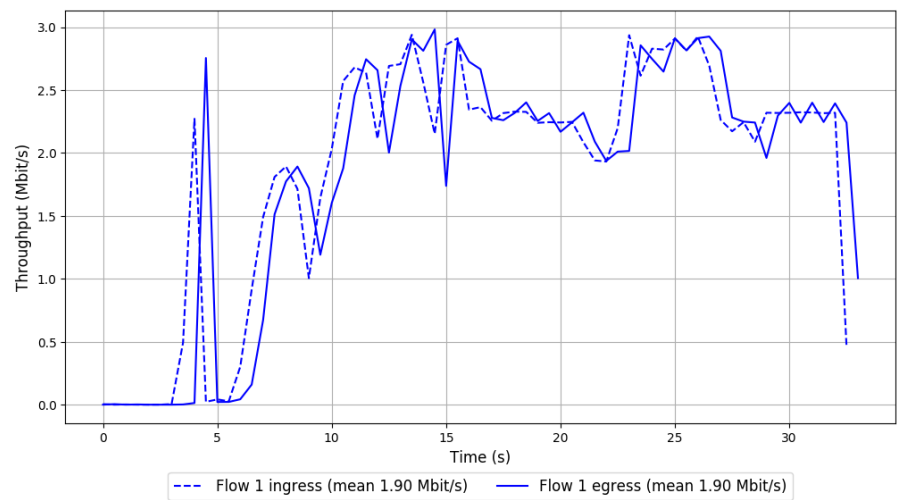


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 20:46:46
End at: 2018-08-09 20:47:16
Local clock offset: -0.126 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-10 01:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 112.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 112.282 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

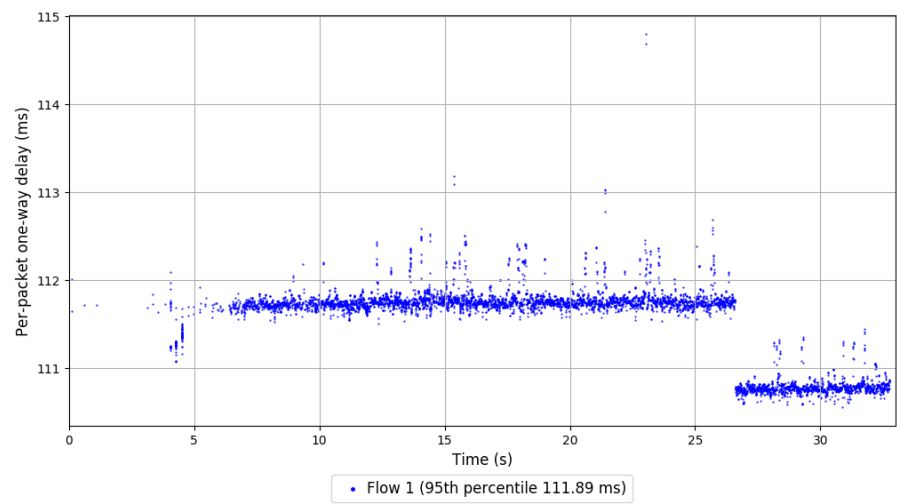
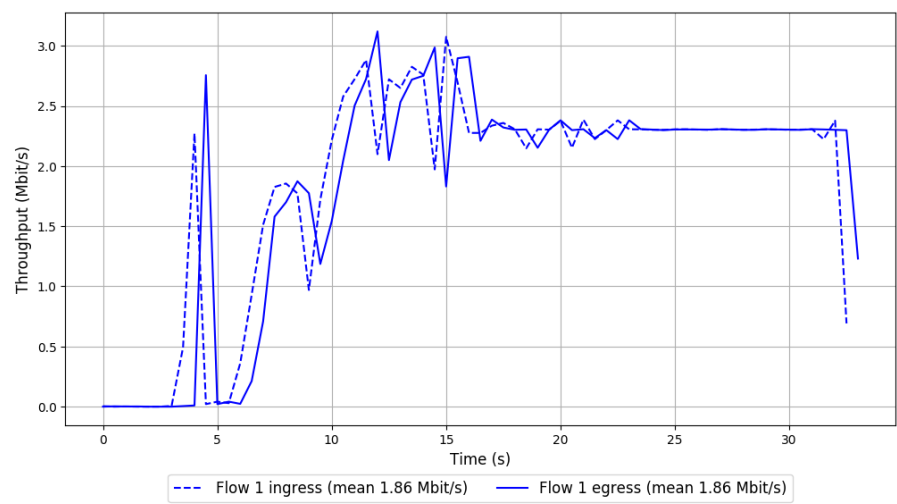


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 21:08:50
End at: 2018-08-09 21:09:20
Local clock offset: -0.234 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-10 01:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 111.895 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-09 21:30:59

End at: 2018-08-09 21:31:29

Local clock offset: -0.335 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-08-10 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 111.156 ms

Loss rate: 0.00%

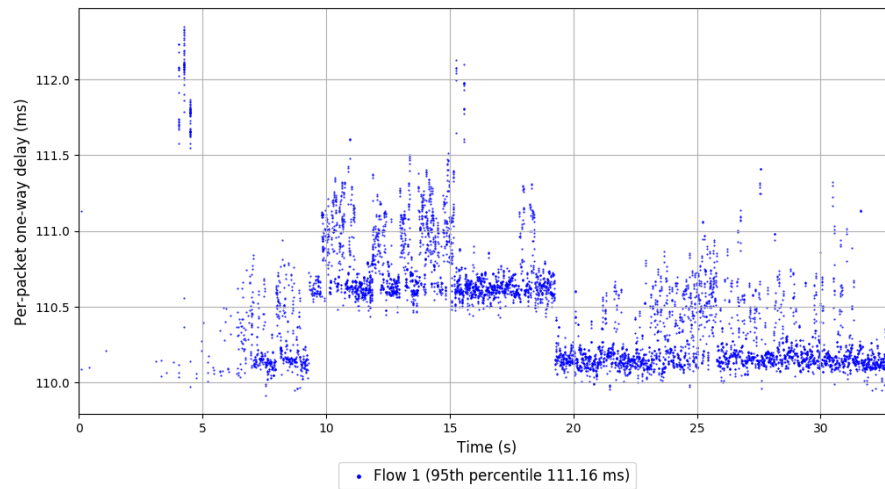
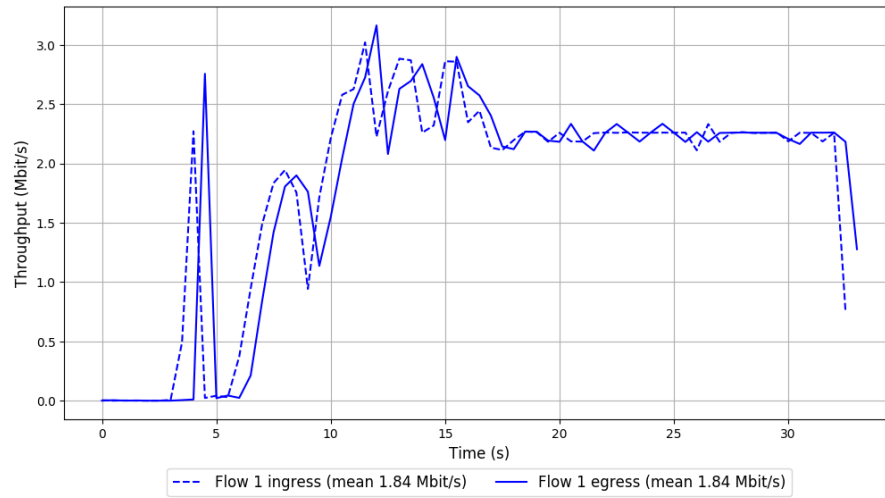
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 111.156 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

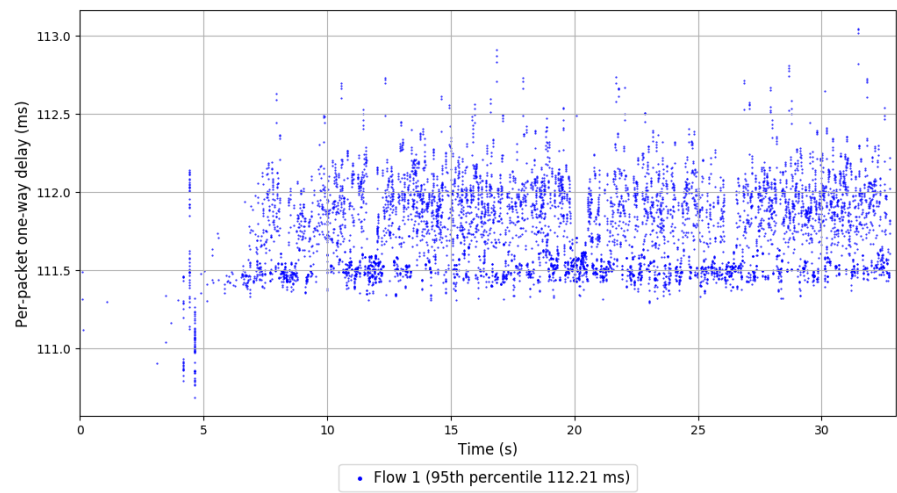
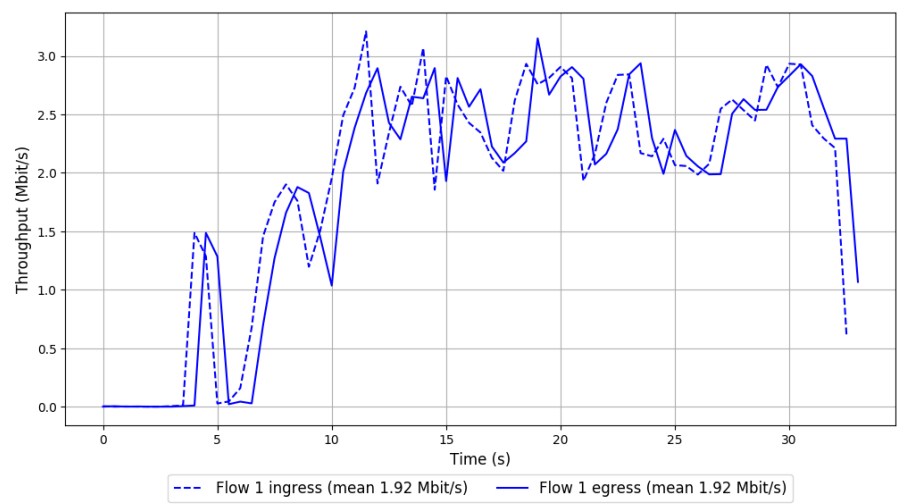


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 21:53:21
End at: 2018-08-09 21:53:51
Local clock offset: -0.363 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-08-10 01:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 22:15:28

End at: 2018-08-09 22:15:58

Local clock offset: -0.083 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-08-10 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 112.394 ms

Loss rate: 0.00%

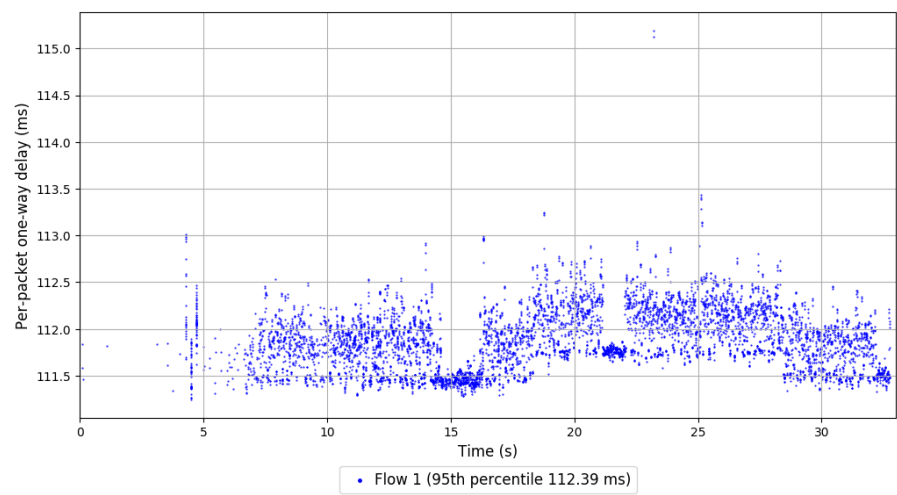
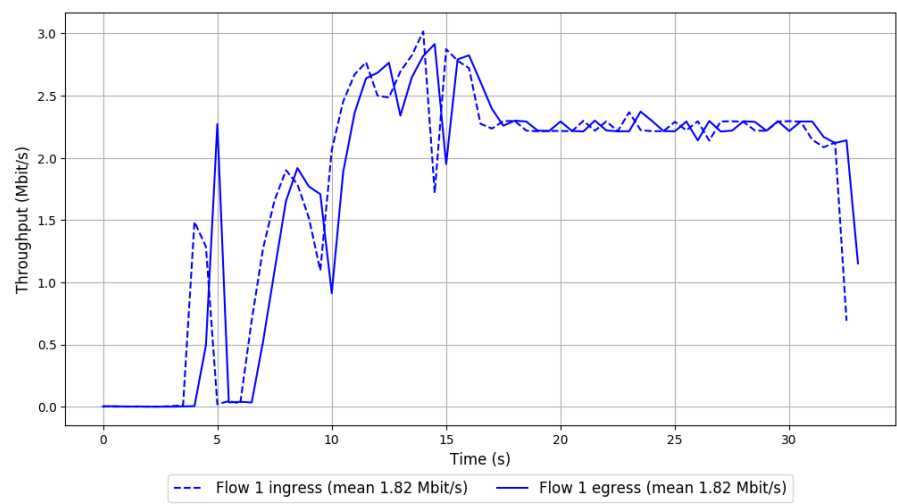
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 112.394 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-09 22:37:25

End at: 2018-08-09 22:37:55

Local clock offset: -0.647 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-08-10 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 112.889 ms

Loss rate: 0.00%

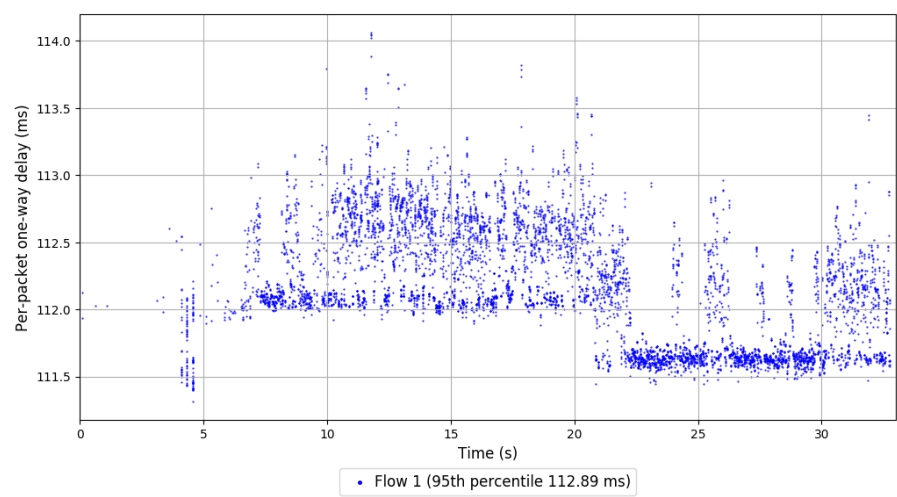
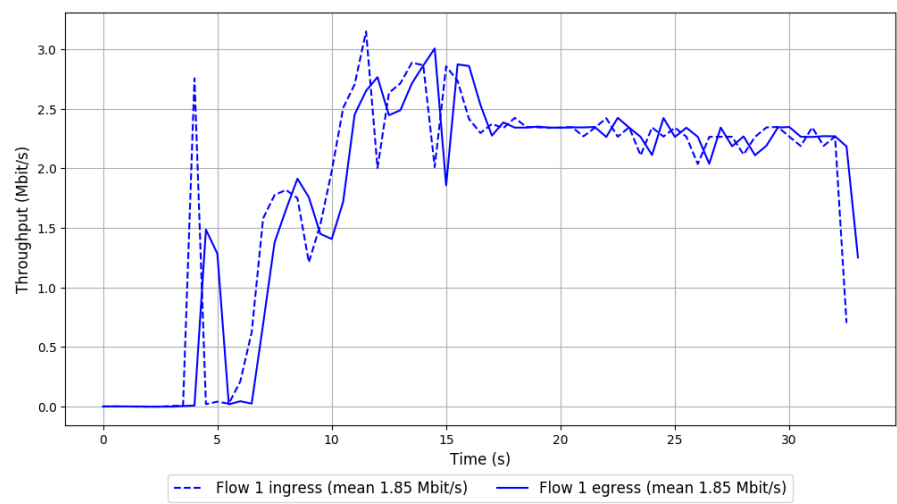
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 112.889 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

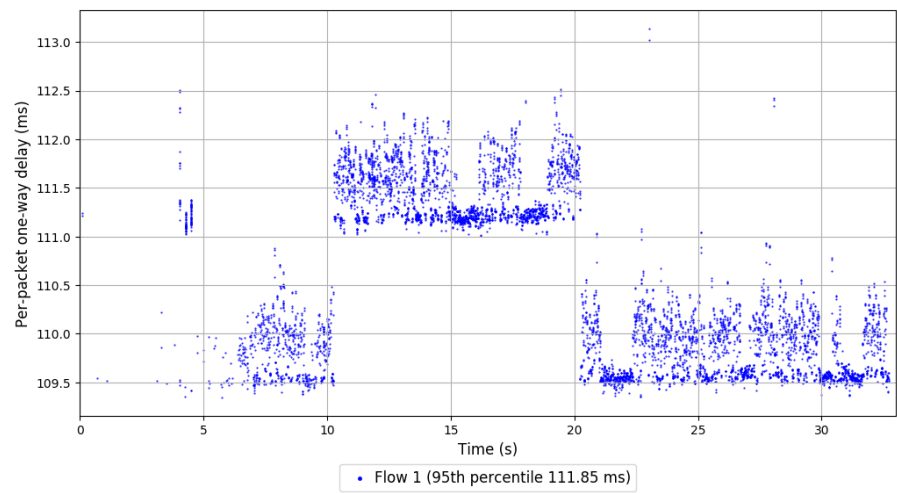
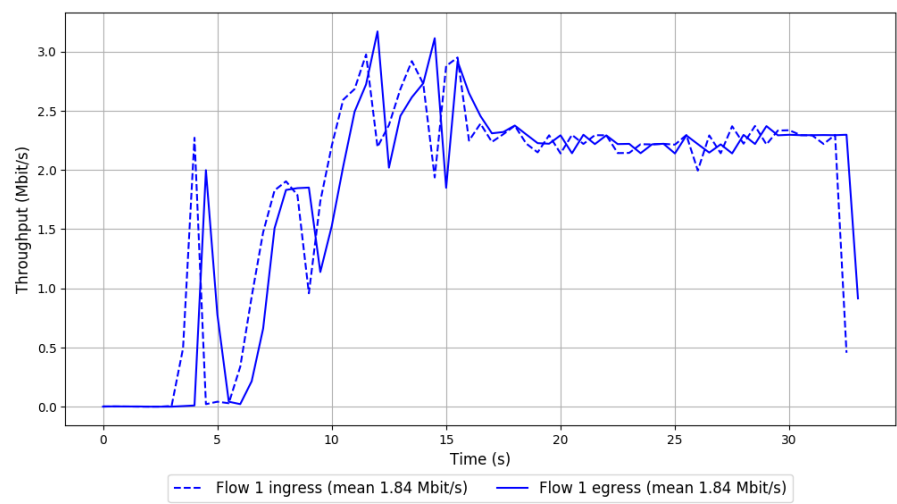


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 22:59:26
End at: 2018-08-09 22:59:56
Local clock offset: -0.103 ms
Remote clock offset: -0.501 ms

Below is generated by plot.py at 2018-08-10 01:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.849 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

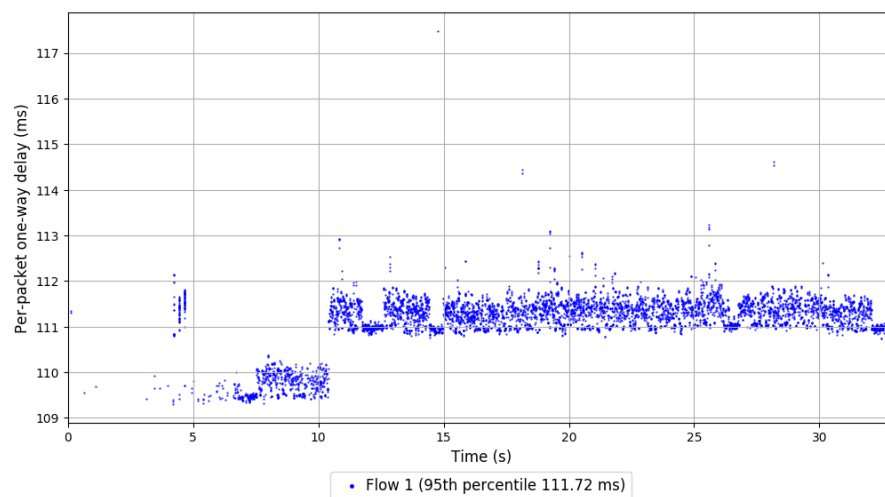
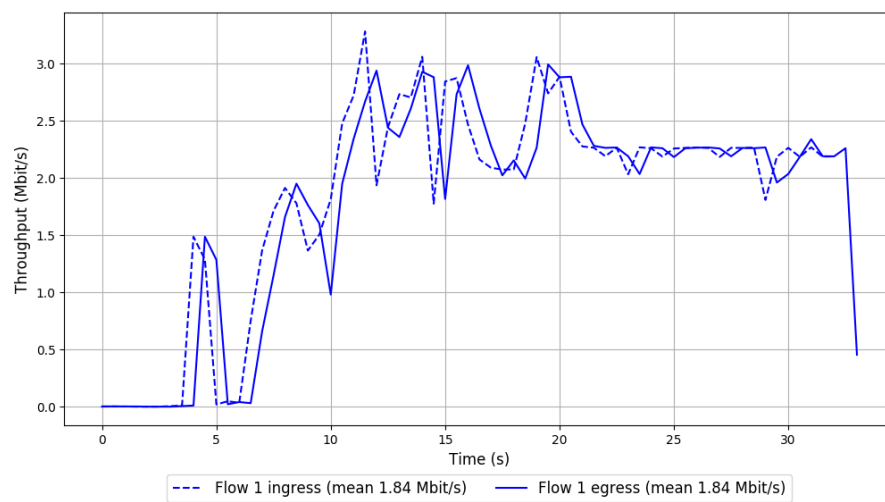


Run 9: Statistics of WebRTC media

Start at: 2018-08-09 23:21:56
End at: 2018-08-09 23:22:26
Local clock offset: -0.314 ms
Remote clock offset: -0.767 ms

Below is generated by plot.py at 2018-08-10 01:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.718 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 23:44:04

End at: 2018-08-09 23:44:34

Local clock offset: -0.858 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-08-10 01:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 112.591 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 112.591 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

