

Pantheon Report

Generated at 2018-08-28 02:11:49 (UTC).

Data path: GCE Tokyo ens4 (*local*) → GCE London ens4 (*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.

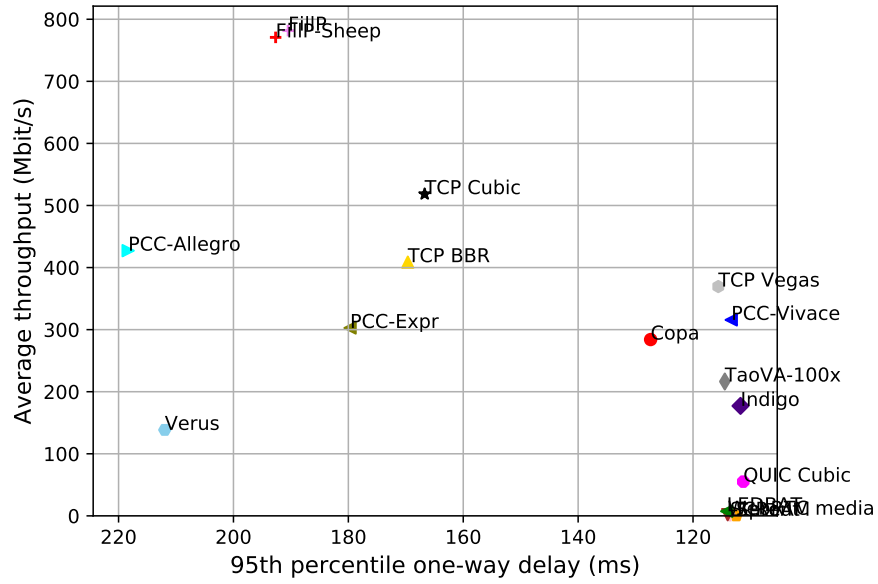
System info:

```
Linux 4.15.0-1015-gcp
net.core.default_qdisc = fq
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
```

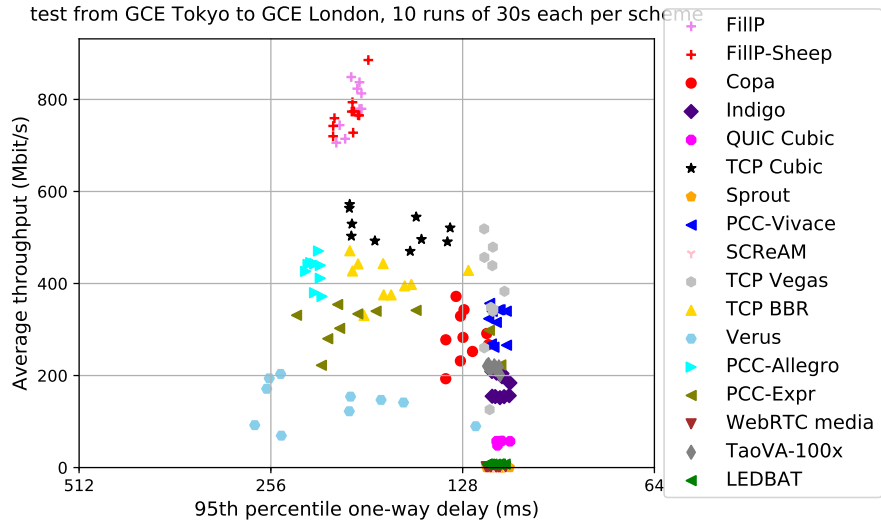
Git summary:

```
branch: master @ 8f31687904b612ba36b45467ab20eda73108da68
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 @ 5386469677b75a7fdc5fe25d8daccce7950d8a69
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	408.67	169.65	0.22
Copa	10	284.02	127.38	0.02
TCP Cubic	10	518.34	166.72	0.04
FillP	10	781.72	190.48	5.43
FillP-Sheep	10	770.79	192.66	6.80
Indigo	10	177.15	111.73	0.00
LEDBAT	10	7.42	114.14	0.00
PCC-Allegro	10	427.24	218.33	2.34
PCC-Expr	10	302.69	179.71	1.32
QUIC Cubic	4	55.14	111.25	0.00
SCReAM	10	0.22	113.56	0.00
Sprout	10	0.21	112.48	0.00
TaoVA-100x	10	216.43	114.47	0.00
TCP Vegas	10	369.41	115.60	0.01
Verus	10	138.50	211.96	3.49
PCC-Vivace	10	315.70	113.35	0.00
WebRTC media	10	1.84	113.97	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-27 19:26:07

End at: 2018-08-27 19:26:37

Local clock offset: 2.825 ms

Remote clock offset: -0.578 ms

Below is generated by plot.py at 2018-08-27 23:51:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.22 Mbit/s

95th percentile per-packet one-way delay: 170.593 ms

Loss rate: 0.14%

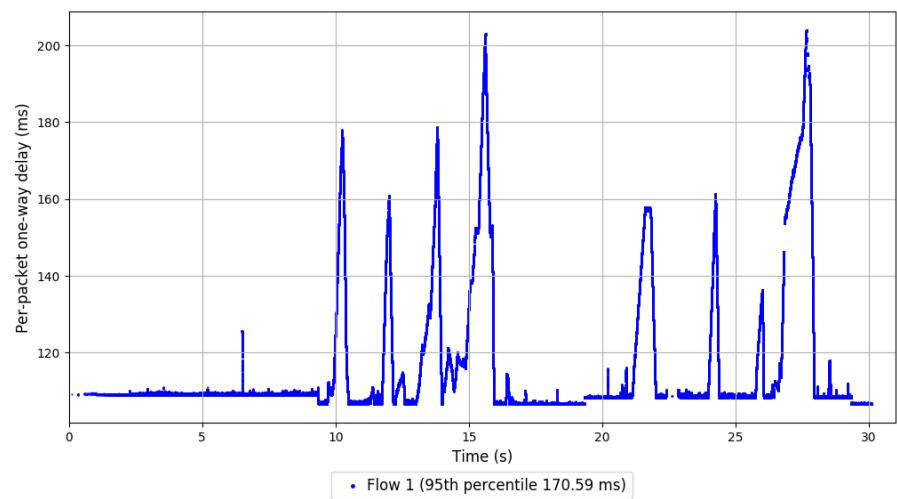
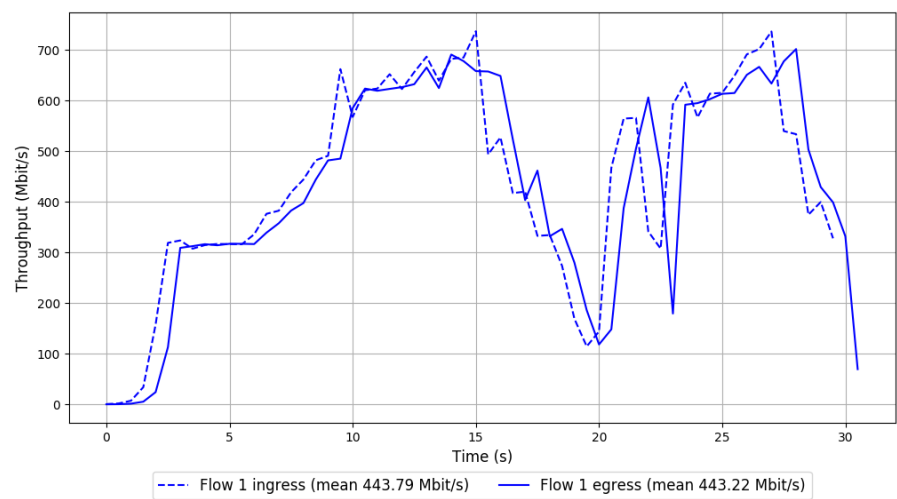
-- Flow 1:

Average throughput: 443.22 Mbit/s

95th percentile per-packet one-way delay: 170.593 ms

Loss rate: 0.14%

Run 1: Report of TCP BBR — Data Link

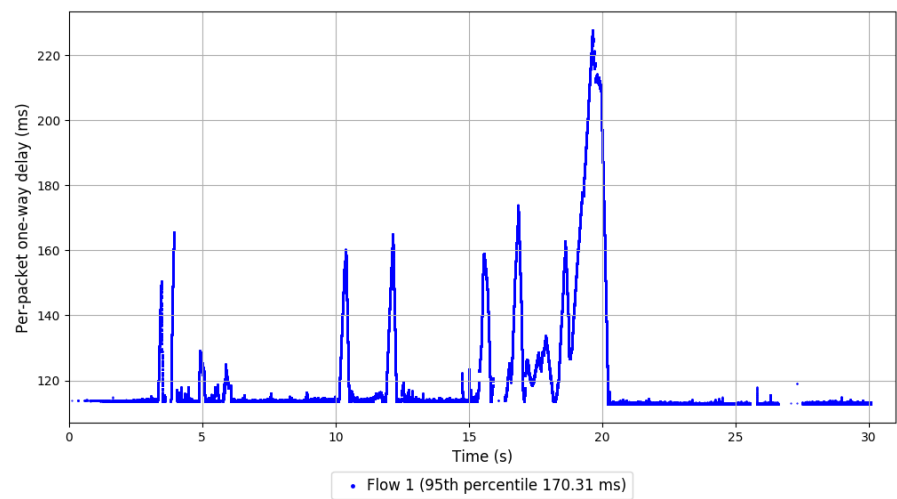
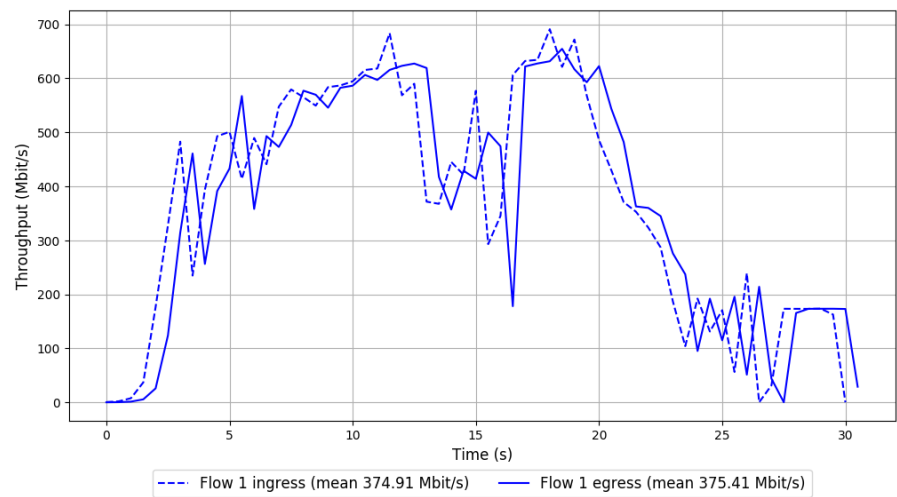


Run 2: Statistics of TCP BBR

Start at: 2018-08-27 19:50:37
End at: 2018-08-27 19:51:07
Local clock offset: -2.905 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-08-27 23:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.41 Mbit/s
95th percentile per-packet one-way delay: 170.307 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 375.41 Mbit/s
95th percentile per-packet one-way delay: 170.307 ms
Loss rate: 0.18%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-27 20:15:19

End at: 2018-08-27 20:15:49

Local clock offset: -2.895 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-27 23:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.17 Mbit/s

95th percentile per-packet one-way delay: 192.437 ms

Loss rate: 0.67%

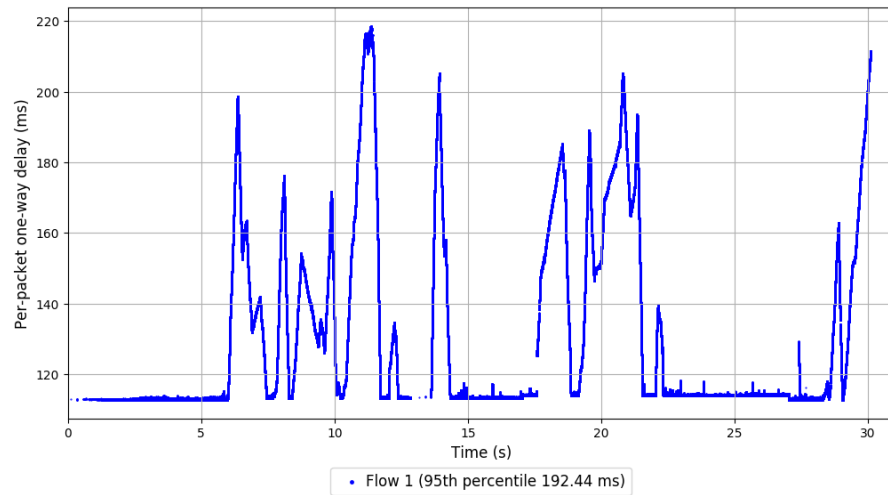
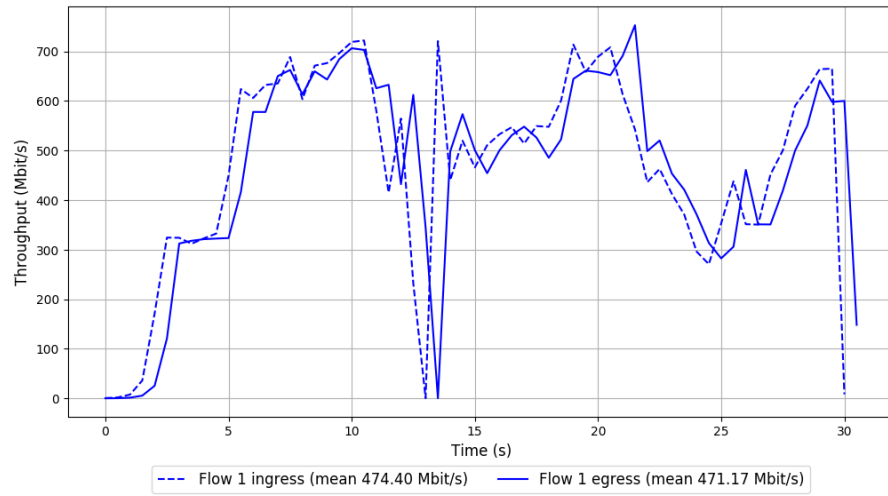
-- Flow 1:

Average throughput: 471.17 Mbit/s

95th percentile per-packet one-way delay: 192.437 ms

Loss rate: 0.67%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-27 20:39:45

End at: 2018-08-27 20:40:15

Local clock offset: 0.121 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-08-27 23:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.48 Mbit/s

95th percentile per-packet one-way delay: 182.804 ms

Loss rate: 0.00%

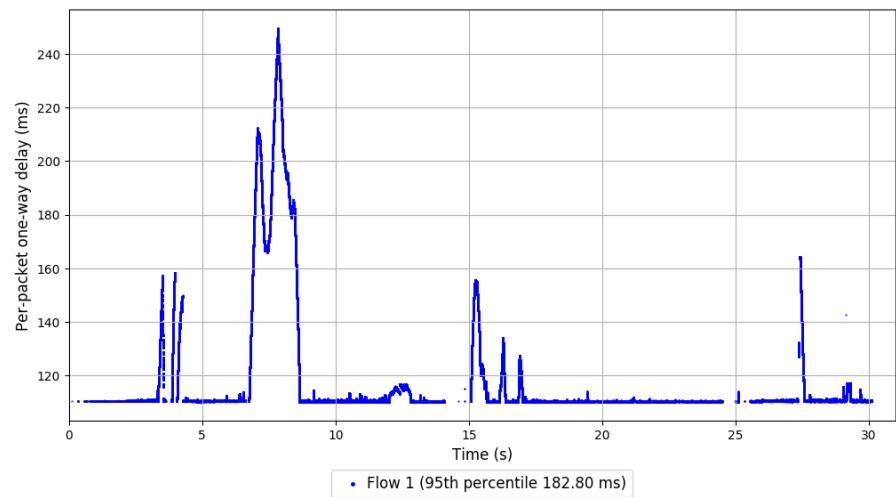
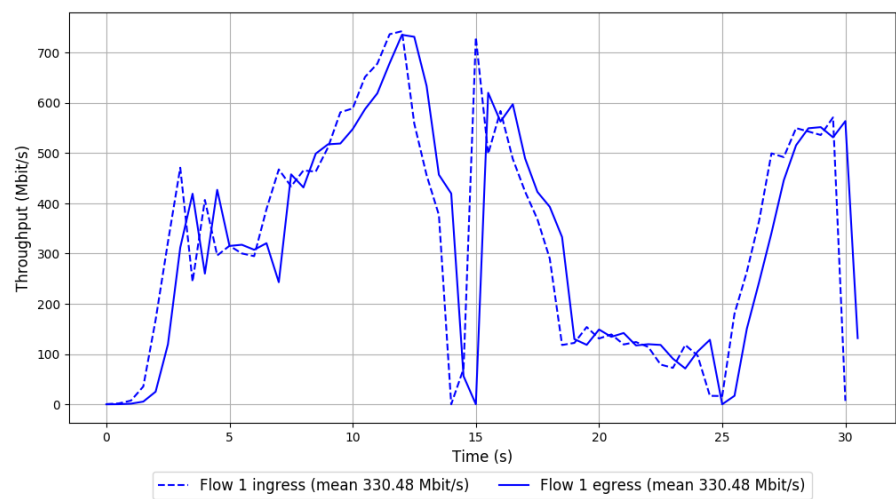
-- Flow 1:

Average throughput: 330.48 Mbit/s

95th percentile per-packet one-way delay: 182.804 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-27 21:04:07

End at: 2018-08-27 21:04:37

Local clock offset: 2.809 ms

Remote clock offset: 2.069 ms

Below is generated by plot.py at 2018-08-27 23:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 428.53 Mbit/s

95th percentile per-packet one-way delay: 125.356 ms

Loss rate: 0.00%

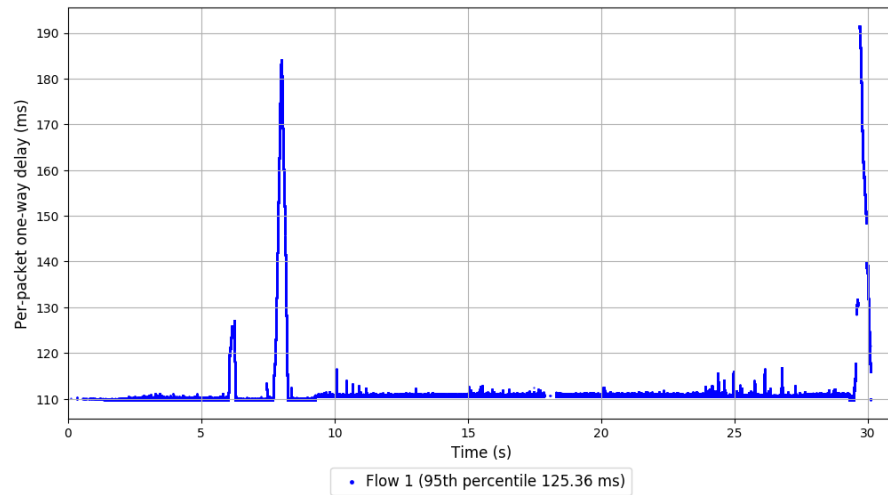
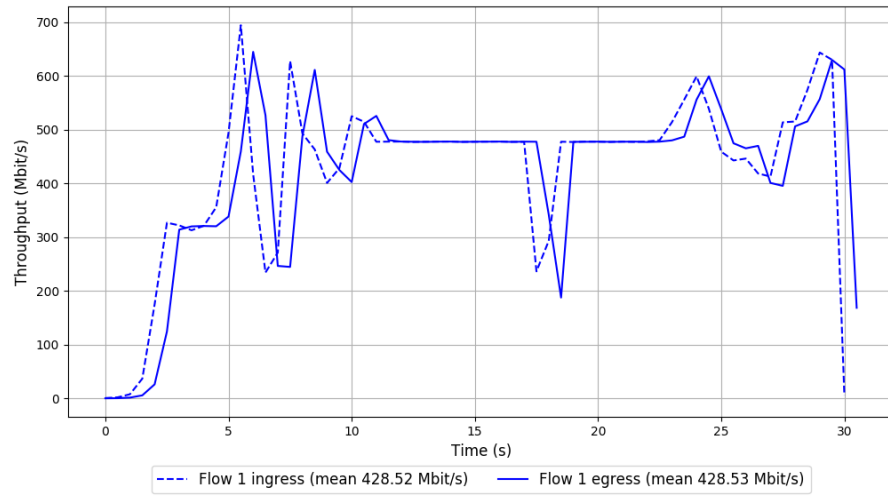
-- Flow 1:

Average throughput: 428.53 Mbit/s

95th percentile per-packet one-way delay: 125.356 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-27 21:28:05

End at: 2018-08-27 21:28:35

Local clock offset: 2.937 ms

Remote clock offset: 2.76 ms

Below is generated by plot.py at 2018-08-27 23:51:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.22 Mbit/s

95th percentile per-packet one-way delay: 190.594 ms

Loss rate: 0.66%

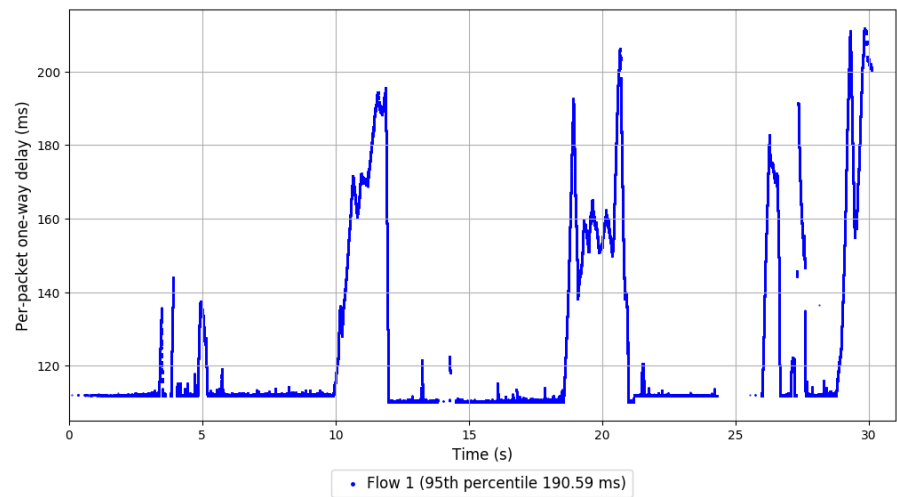
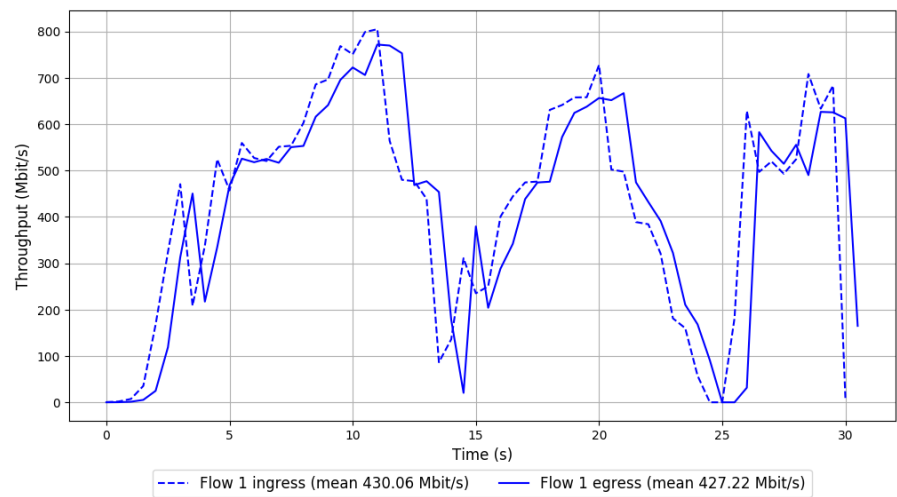
-- Flow 1:

Average throughput: 427.22 Mbit/s

95th percentile per-packet one-way delay: 190.594 ms

Loss rate: 0.66%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-27 21:52:37

End at: 2018-08-27 21:53:07

Local clock offset: -0.075 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2018-08-27 23:52:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.84 Mbit/s

95th percentile per-packet one-way delay: 157.831 ms

Loss rate: 0.16%

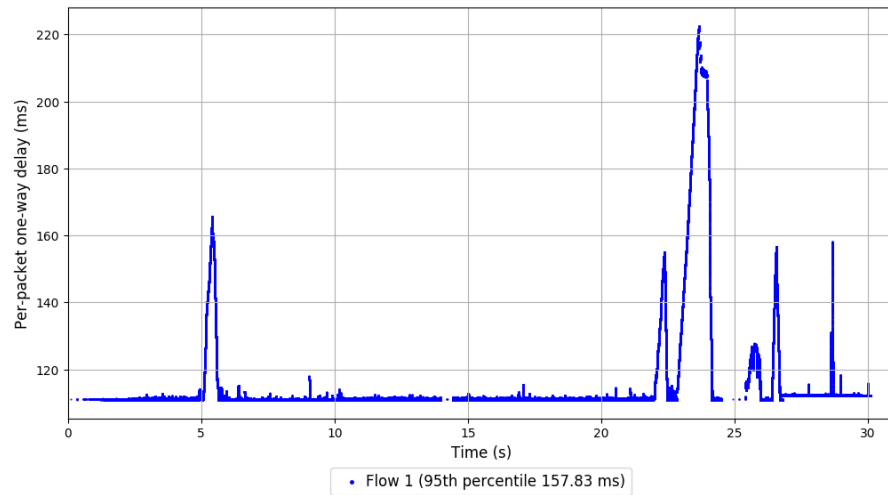
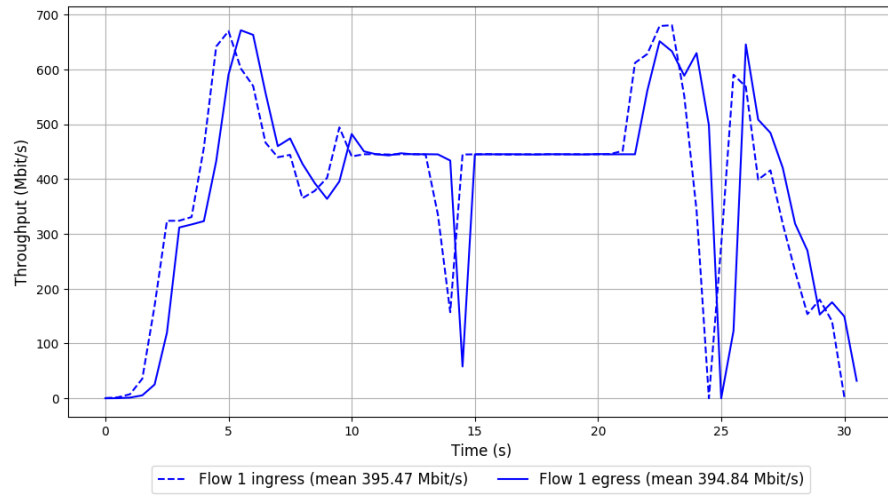
-- Flow 1:

Average throughput: 394.84 Mbit/s

95th percentile per-packet one-way delay: 157.831 ms

Loss rate: 0.16%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-27 22:16:51

End at: 2018-08-27 22:17:21

Local clock offset: 0.007 ms

Remote clock offset: 2.099 ms

Below is generated by plot.py at 2018-08-27 23:52:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.62 Mbit/s

95th percentile per-packet one-way delay: 186.795 ms

Loss rate: 0.23%

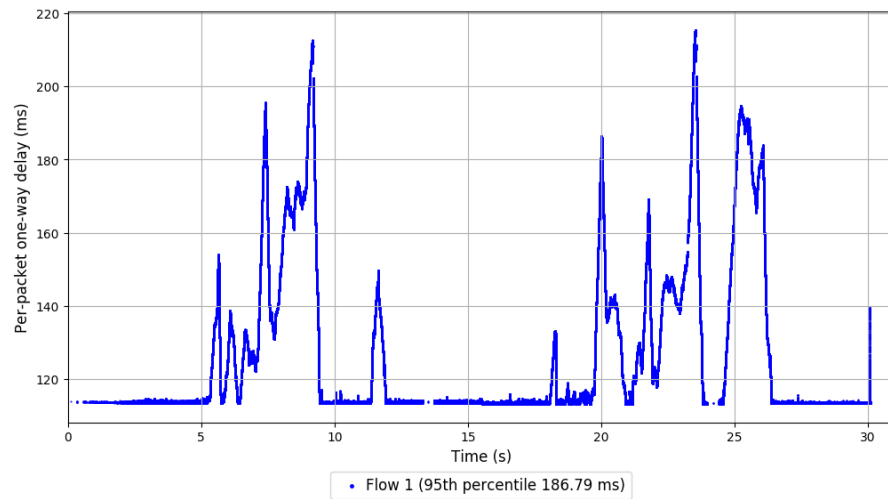
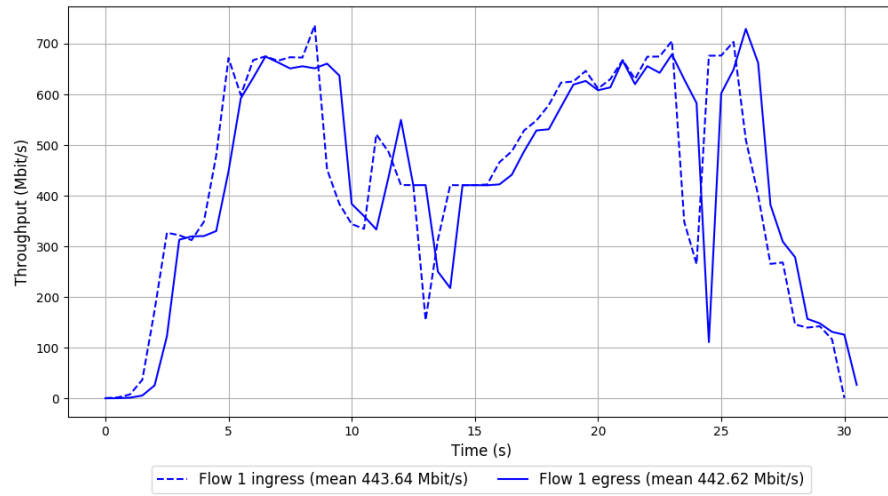
-- Flow 1:

Average throughput: 442.62 Mbit/s

95th percentile per-packet one-way delay: 186.795 ms

Loss rate: 0.23%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-27 22:40:38

End at: 2018-08-27 22:41:08

Local clock offset: -0.027 ms

Remote clock offset: 1.845 ms

Below is generated by plot.py at 2018-08-27 23:55:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.26 Mbit/s

95th percentile per-packet one-way delay: 165.732 ms

Loss rate: 0.15%

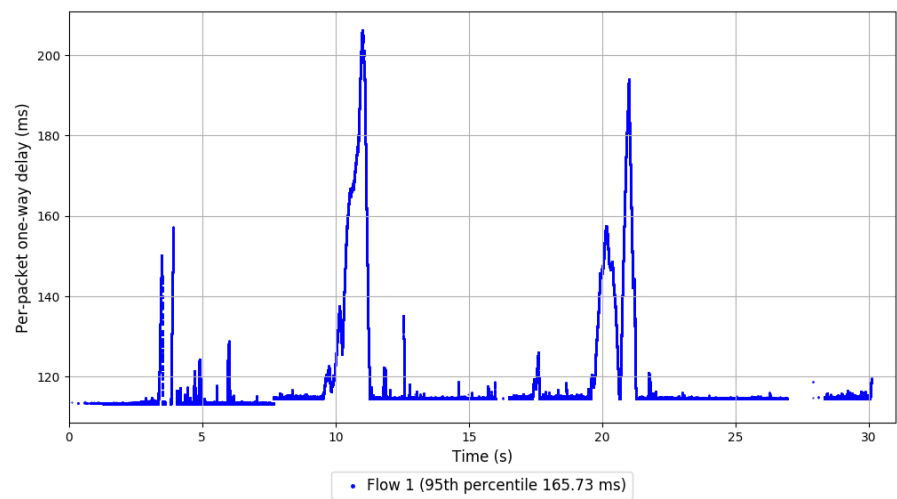
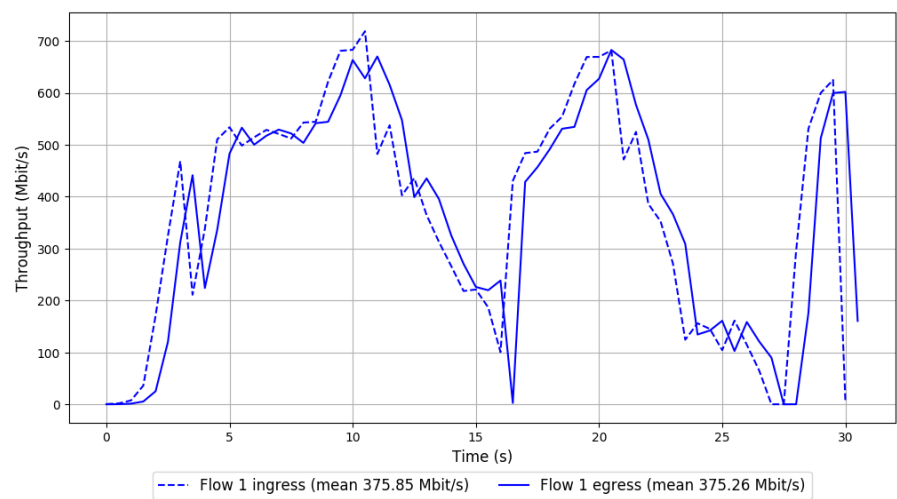
-- Flow 1:

Average throughput: 375.26 Mbit/s

95th percentile per-packet one-way delay: 165.732 ms

Loss rate: 0.15%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-27 23:05:01

End at: 2018-08-27 23:05:31

Local clock offset: -0.004 ms

Remote clock offset: 2.03 ms

Below is generated by plot.py at 2018-08-27 23:57:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.97 Mbit/s

95th percentile per-packet one-way delay: 154.080 ms

Loss rate: 0.00%

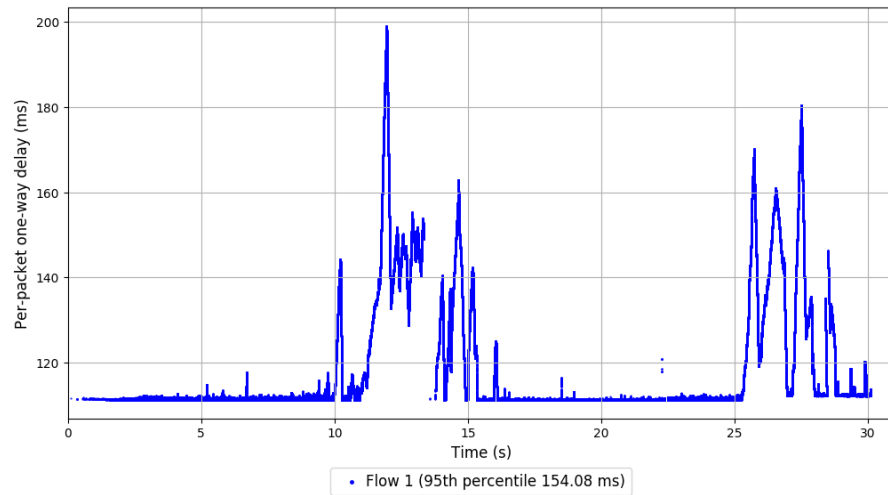
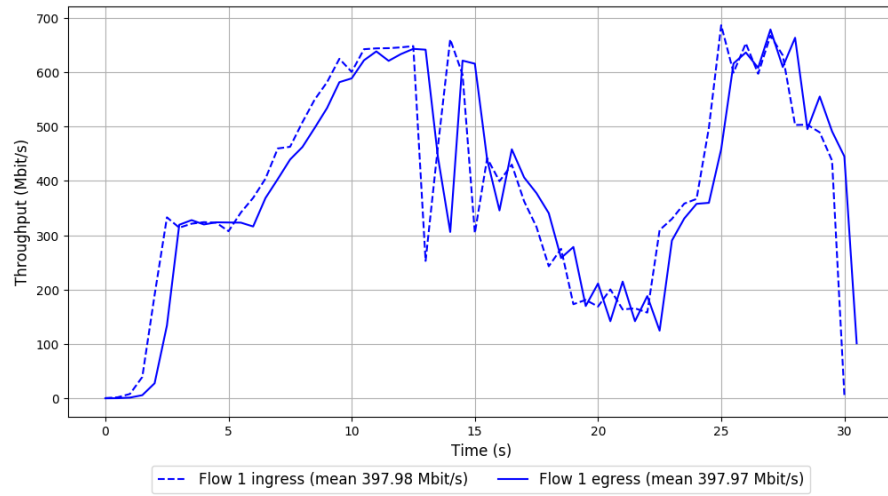
-- Flow 1:

Average throughput: 397.97 Mbit/s

95th percentile per-packet one-way delay: 154.080 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

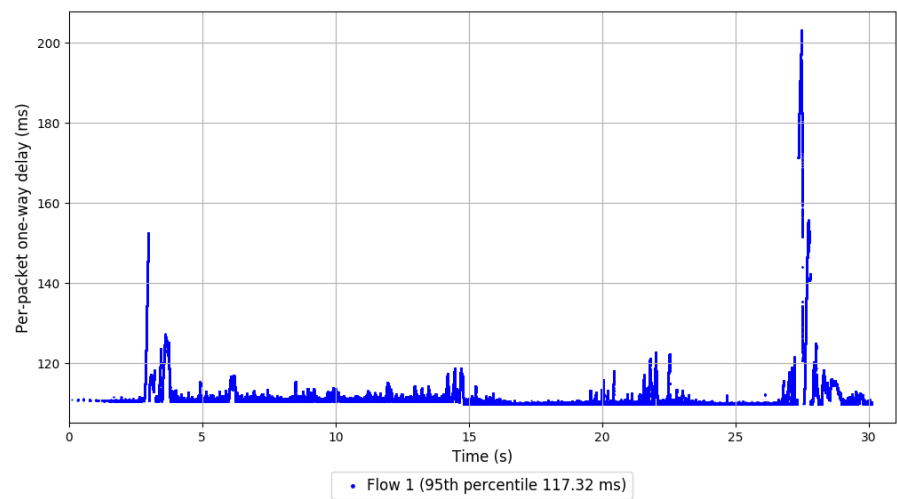
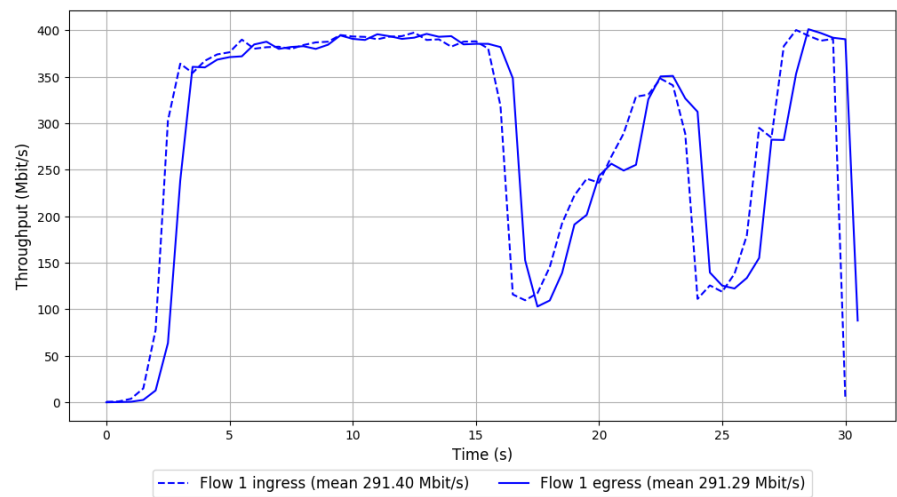


Run 1: Statistics of Copa

Start at: 2018-08-27 19:37:51
End at: 2018-08-27 19:38:21
Local clock offset: -0.062 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-28 00:00:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.29 Mbit/s
95th percentile per-packet one-way delay: 117.321 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 291.29 Mbit/s
95th percentile per-packet one-way delay: 117.321 ms
Loss rate: 0.04%

Run 1: Report of Copa — Data Link

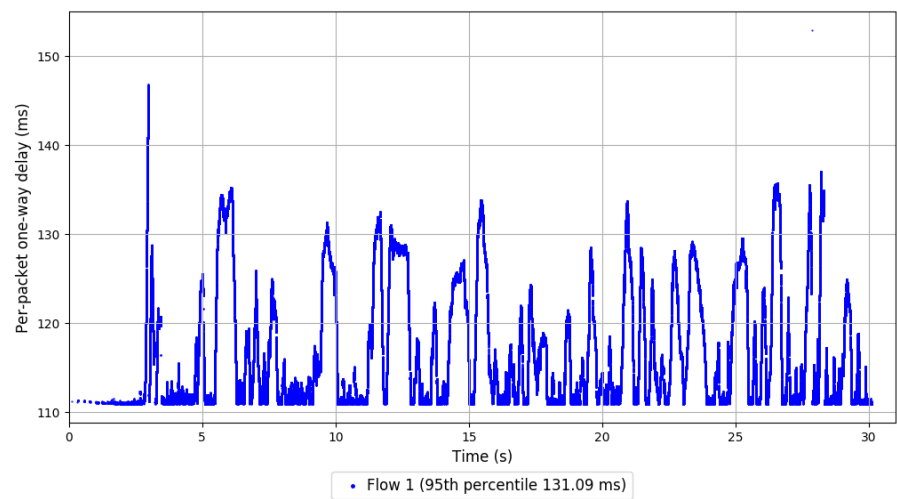
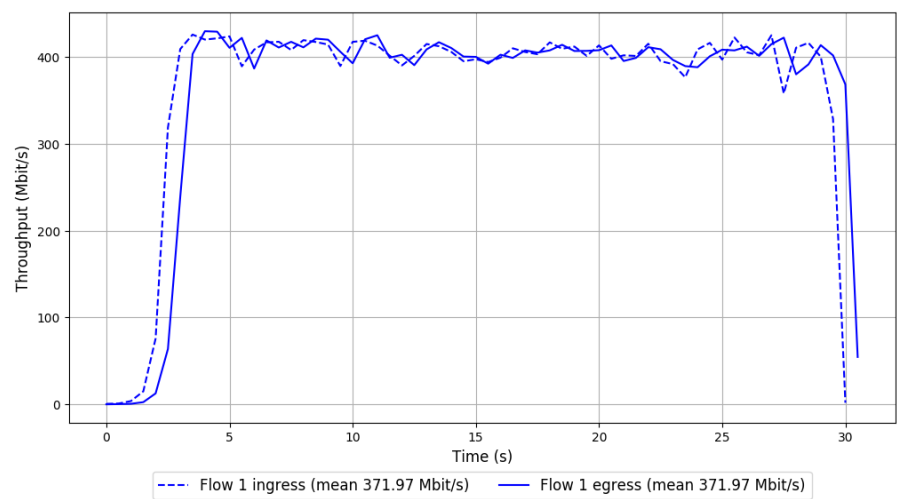


Run 2: Statistics of Copa

Start at: 2018-08-27 20:02:18
End at: 2018-08-27 20:02:48
Local clock offset: -0.13 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-28 00:03:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.97 Mbit/s
95th percentile per-packet one-way delay: 131.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 371.97 Mbit/s
95th percentile per-packet one-way delay: 131.092 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-27 20:27:07

End at: 2018-08-27 20:27:37

Local clock offset: -3.002 ms

Remote clock offset: 0.572 ms

Below is generated by plot.py at 2018-08-28 00:03:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.76 Mbit/s

95th percentile per-packet one-way delay: 129.040 ms

Loss rate: 0.00%

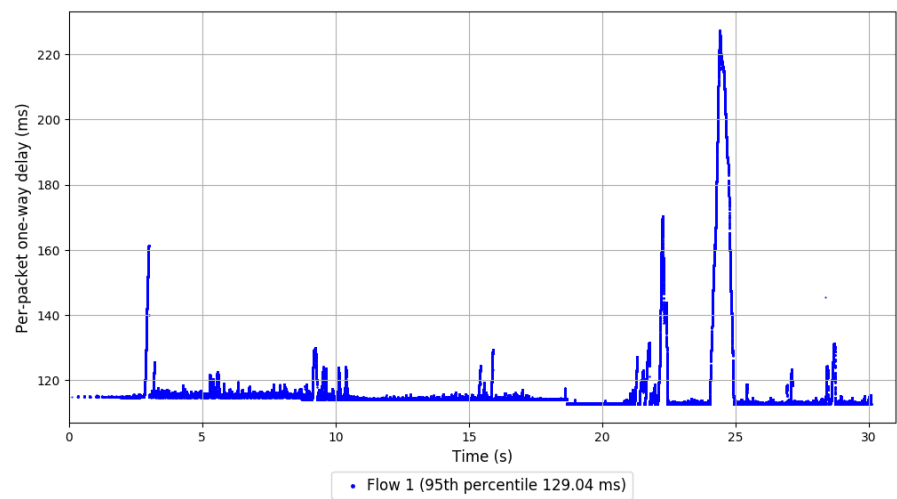
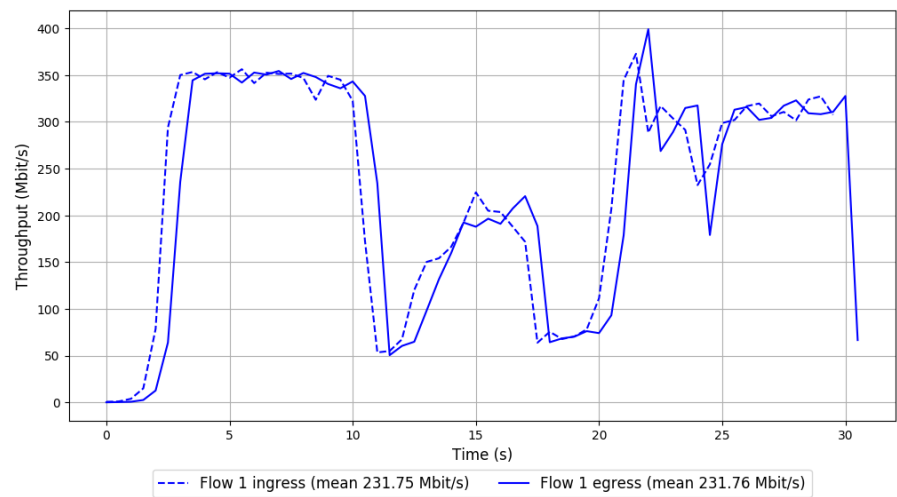
-- Flow 1:

Average throughput: 231.76 Mbit/s

95th percentile per-packet one-way delay: 129.040 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

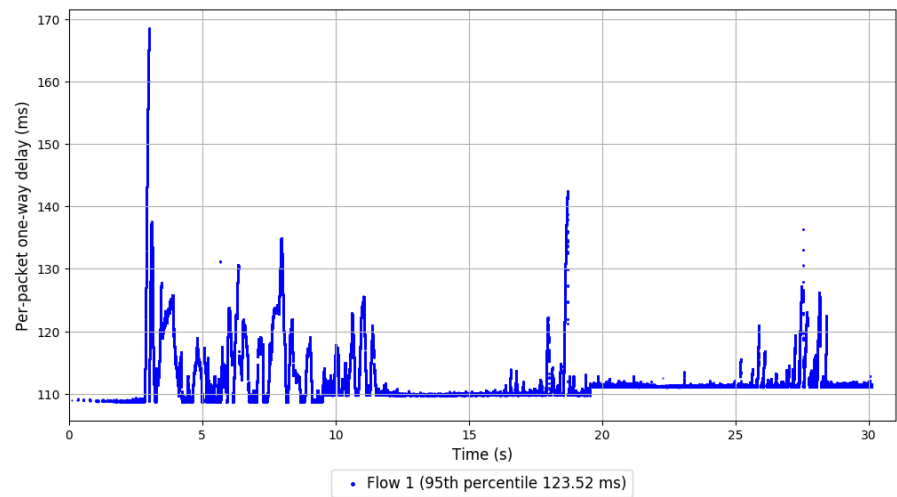
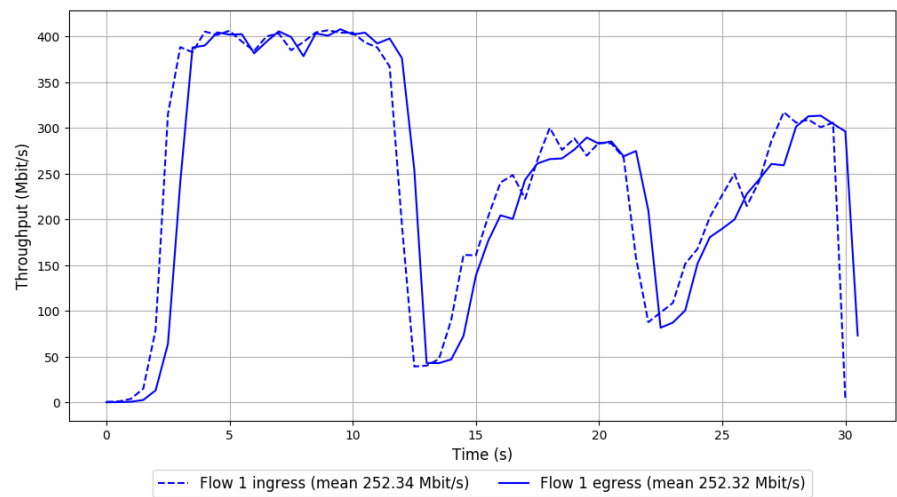


Run 4: Statistics of Copa

Start at: 2018-08-27 20:51:27
End at: 2018-08-27 20:51:57
Local clock offset: -0.049 ms
Remote clock offset: -1.635 ms

Below is generated by plot.py at 2018-08-28 00:03:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.32 Mbit/s
95th percentile per-packet one-way delay: 123.515 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 252.32 Mbit/s
95th percentile per-packet one-way delay: 123.515 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-27 21:15:39

End at: 2018-08-27 21:16:09

Local clock offset: 0.011 ms

Remote clock offset: 2.586 ms

Below is generated by plot.py at 2018-08-28 00:03:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.12 Mbit/s

95th percentile per-packet one-way delay: 116.584 ms

Loss rate: 0.00%

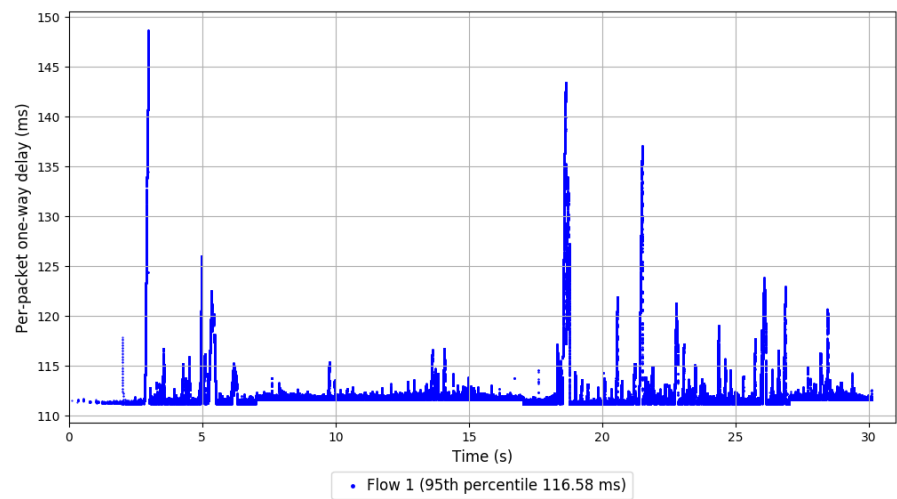
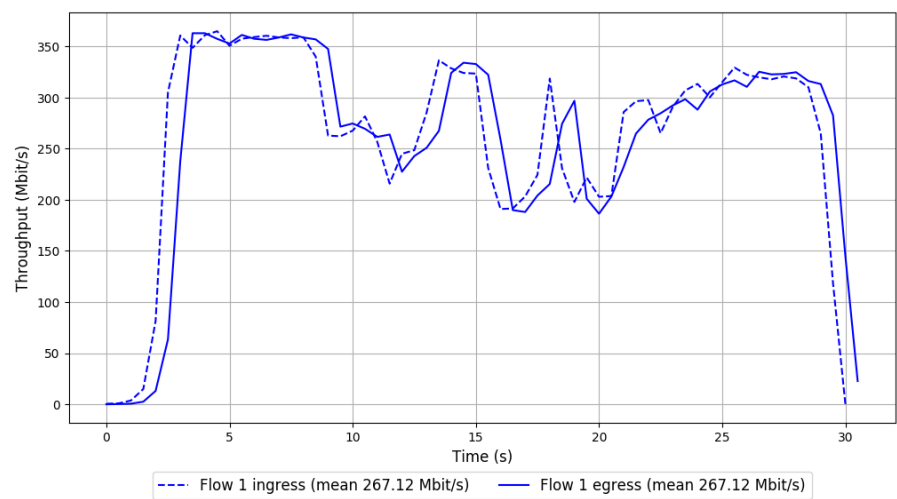
-- Flow 1:

Average throughput: 267.12 Mbit/s

95th percentile per-packet one-way delay: 116.584 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-27 21:39:39

End at: 2018-08-27 21:40:09

Local clock offset: 0.014 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2018-08-28 00:03:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.17 Mbit/s

95th percentile per-packet one-way delay: 128.970 ms

Loss rate: 0.12%

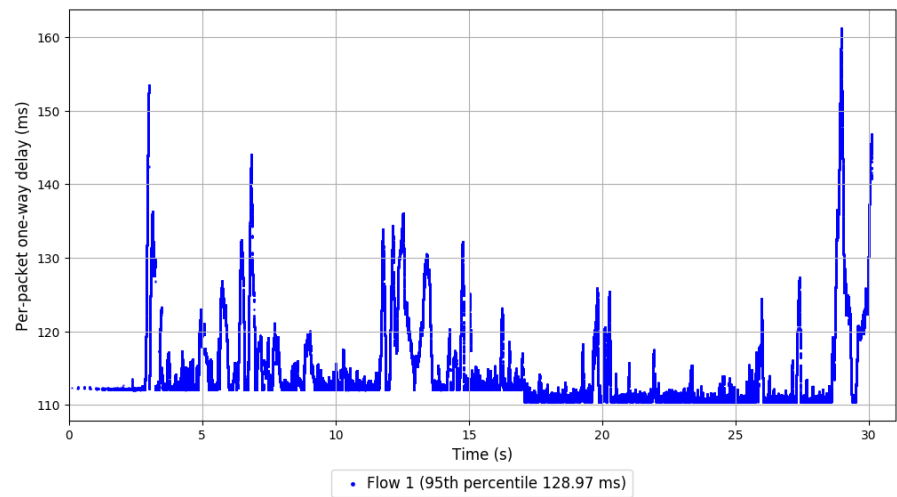
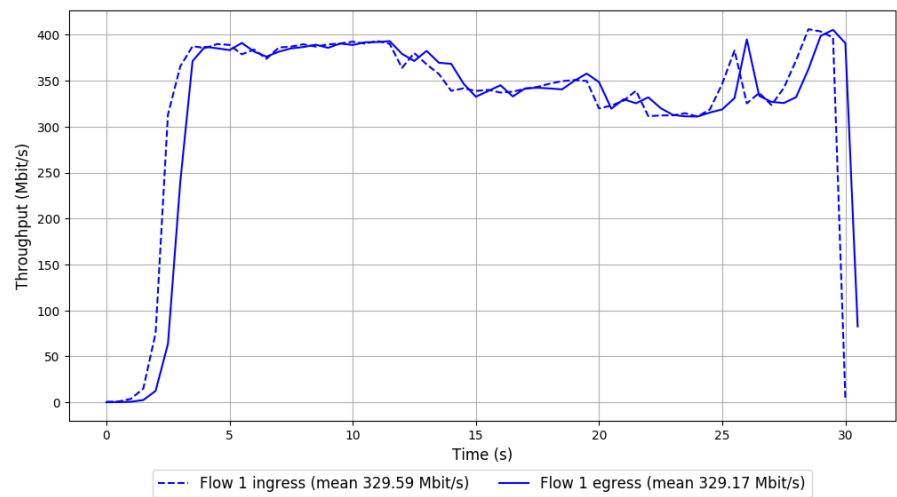
-- Flow 1:

Average throughput: 329.17 Mbit/s

95th percentile per-packet one-way delay: 128.970 ms

Loss rate: 0.12%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-27 22:04:07

End at: 2018-08-27 22:04:37

Local clock offset: -0.063 ms

Remote clock offset: 1.79 ms

Below is generated by plot.py at 2018-08-28 00:05:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.68 Mbit/s

95th percentile per-packet one-way delay: 136.031 ms

Loss rate: 0.00%

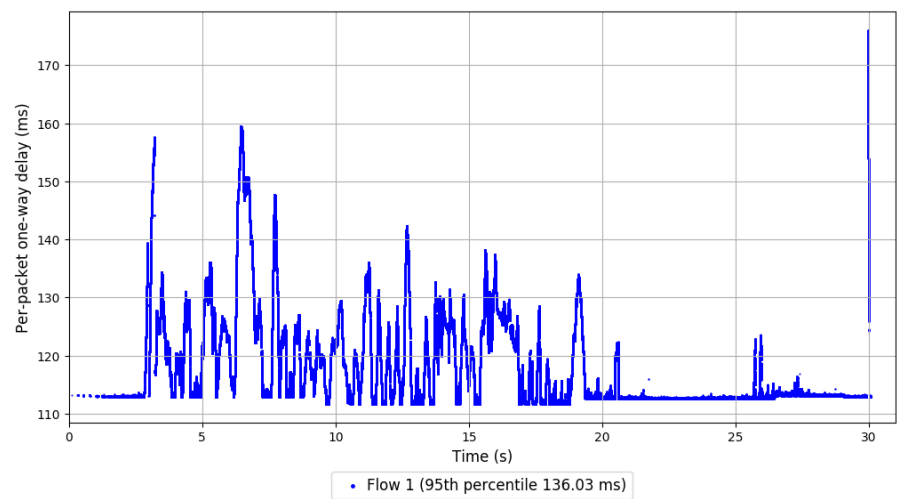
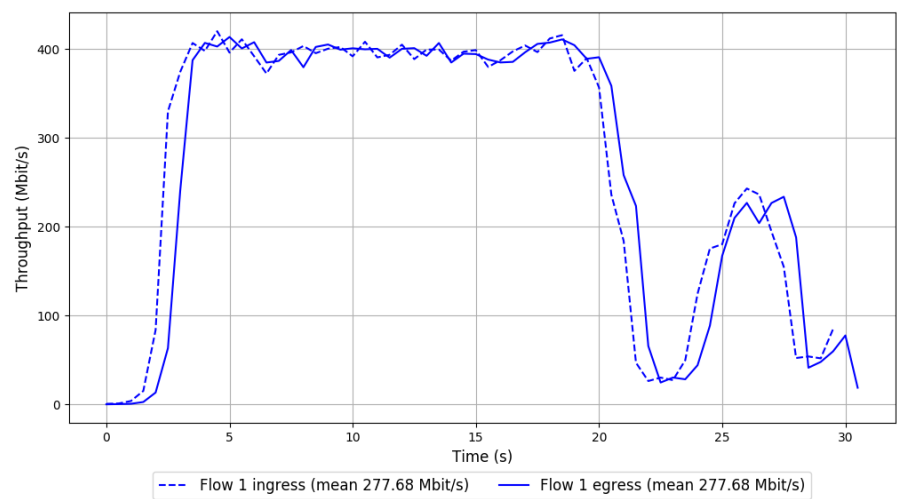
-- Flow 1:

Average throughput: 277.68 Mbit/s

95th percentile per-packet one-way delay: 136.031 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

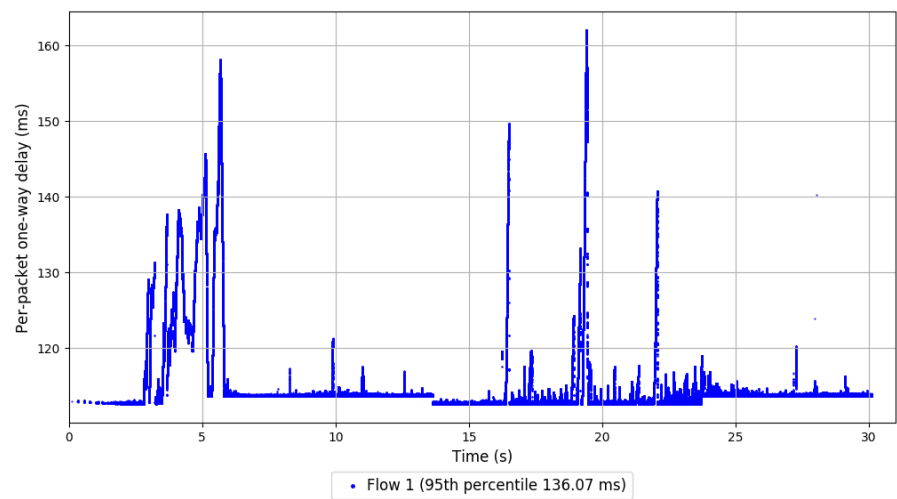
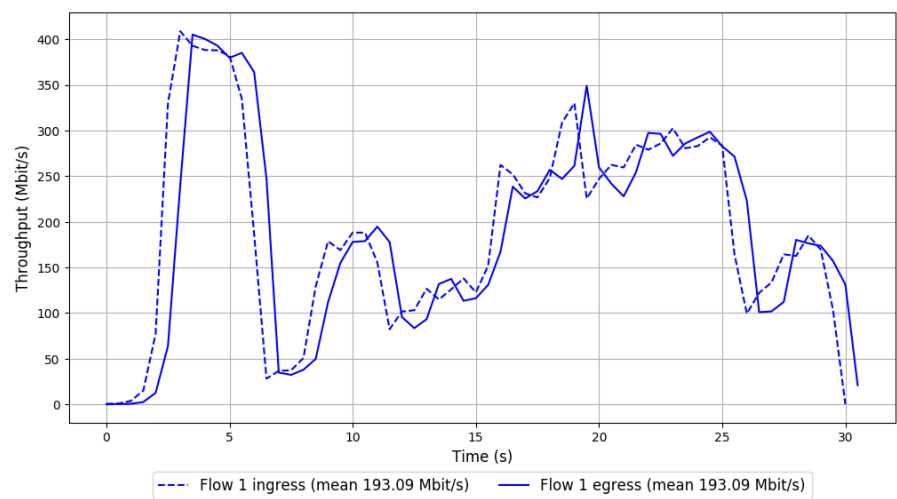


Run 8: Statistics of Copa

Start at: 2018-08-27 22:28:12
End at: 2018-08-27 22:28:42
Local clock offset: -2.909 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-28 00:05:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.09 Mbit/s
95th percentile per-packet one-way delay: 136.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.09 Mbit/s
95th percentile per-packet one-way delay: 136.074 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

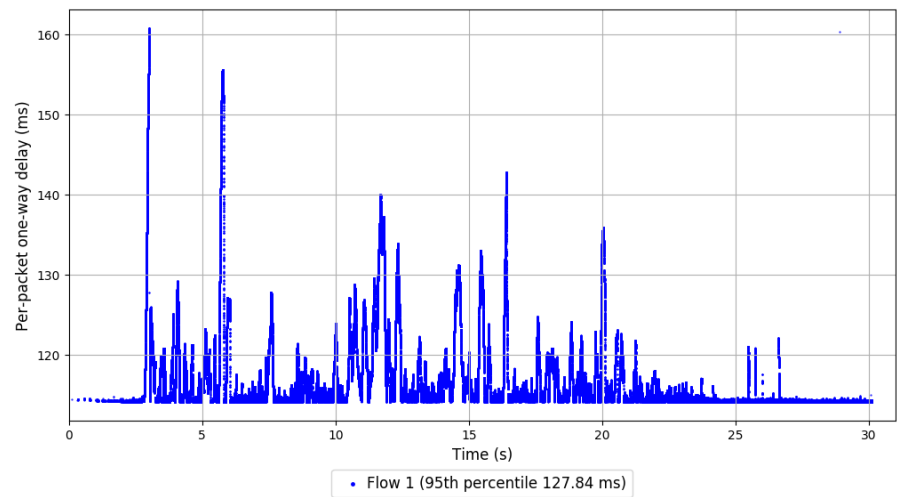
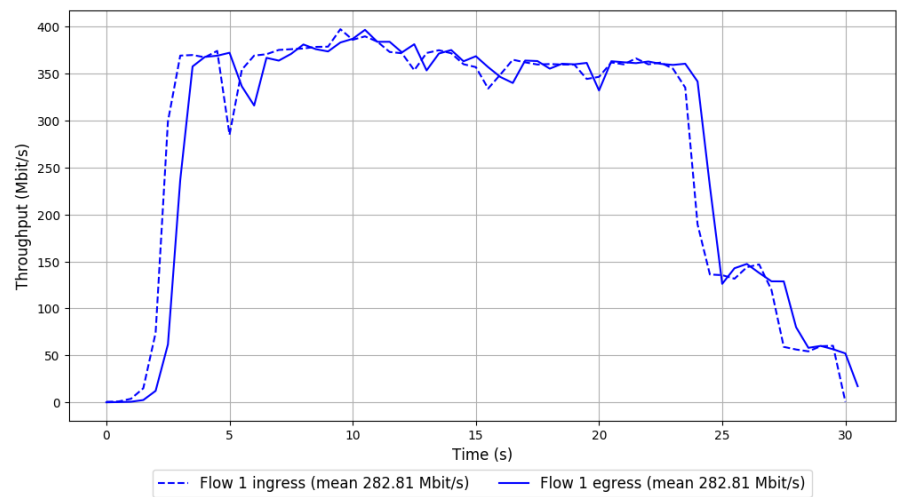


Run 9: Statistics of Copa

Start at: 2018-08-27 22:52:14
End at: 2018-08-27 22:52:44
Local clock offset: -2.886 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-28 00:08:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.81 Mbit/s
95th percentile per-packet one-way delay: 127.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 282.81 Mbit/s
95th percentile per-packet one-way delay: 127.841 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

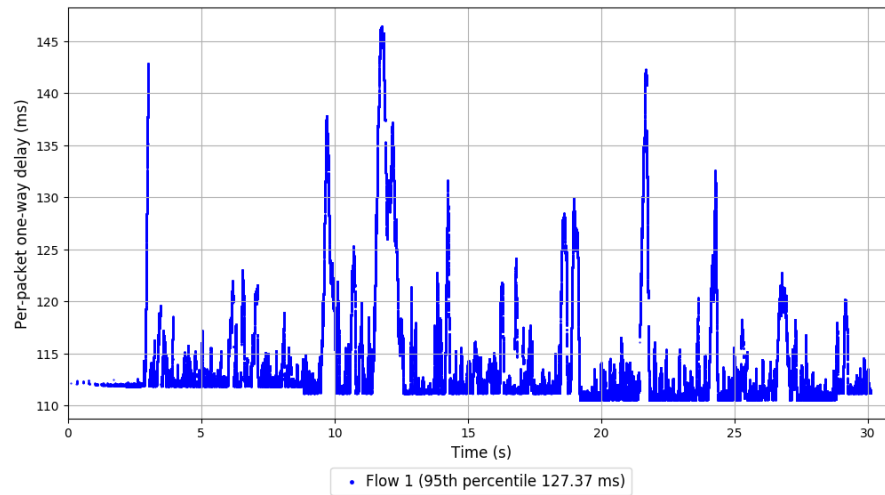
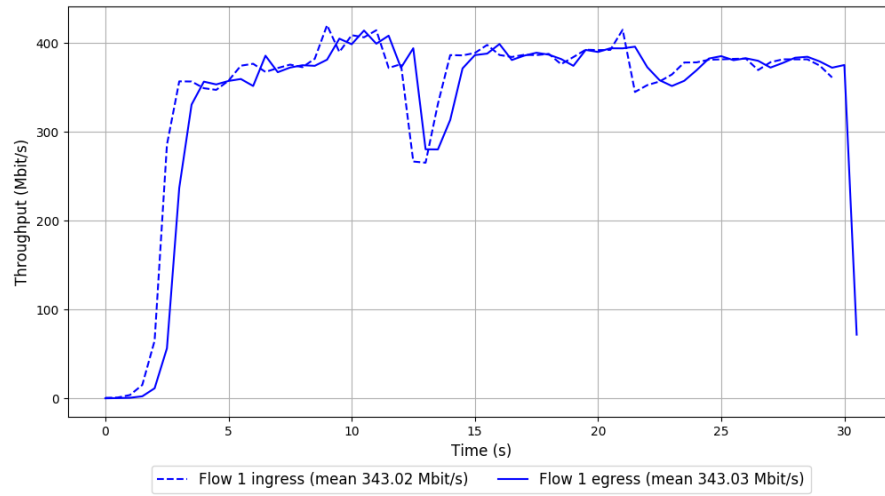


Run 10: Statistics of Copa

Start at: 2018-08-27 23:16:37
End at: 2018-08-27 23:17:07
Local clock offset: 0.024 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-08-28 00:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 343.03 Mbit/s
95th percentile per-packet one-way delay: 127.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.03 Mbit/s
95th percentile per-packet one-way delay: 127.370 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-27 19:49:02

End at: 2018-08-27 19:49:32

Local clock offset: 2.786 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-08-28 00:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.99 Mbit/s

95th percentile per-packet one-way delay: 148.532 ms

Loss rate: 0.00%

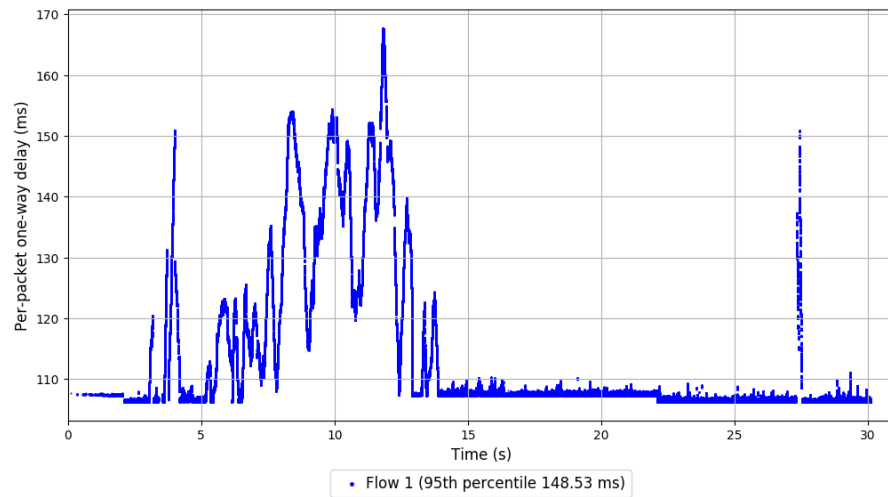
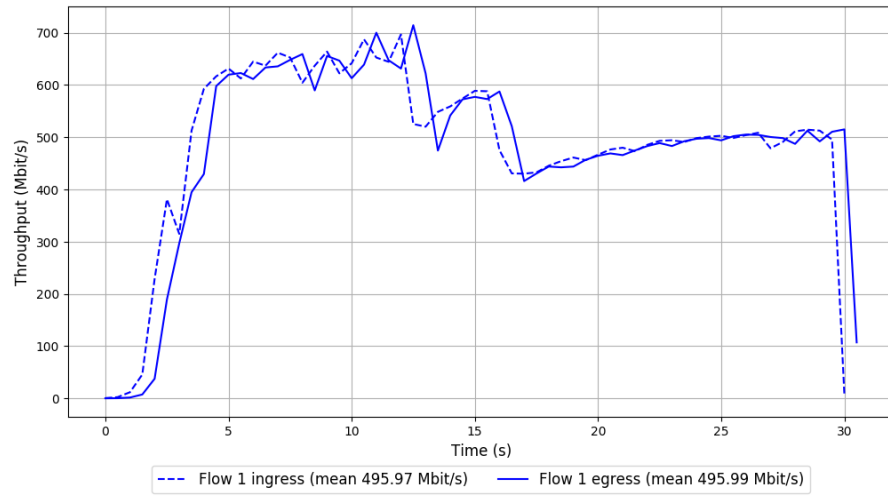
-- Flow 1:

Average throughput: 495.99 Mbit/s

95th percentile per-packet one-way delay: 148.532 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

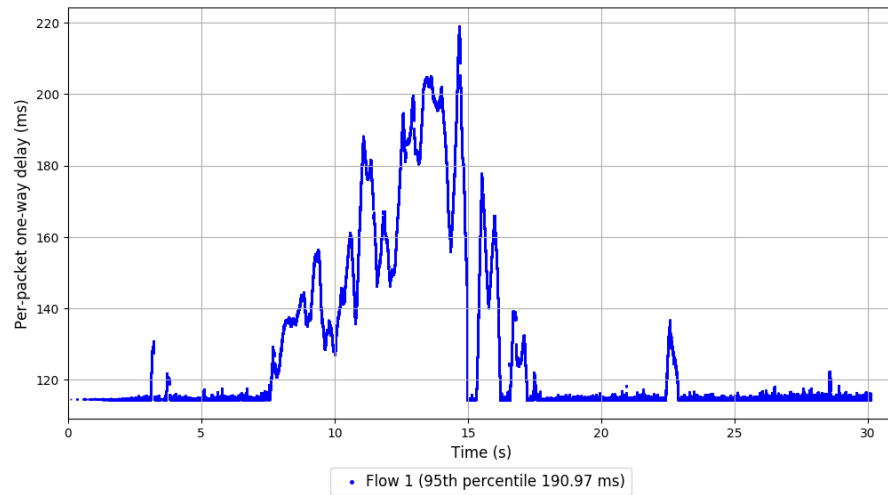
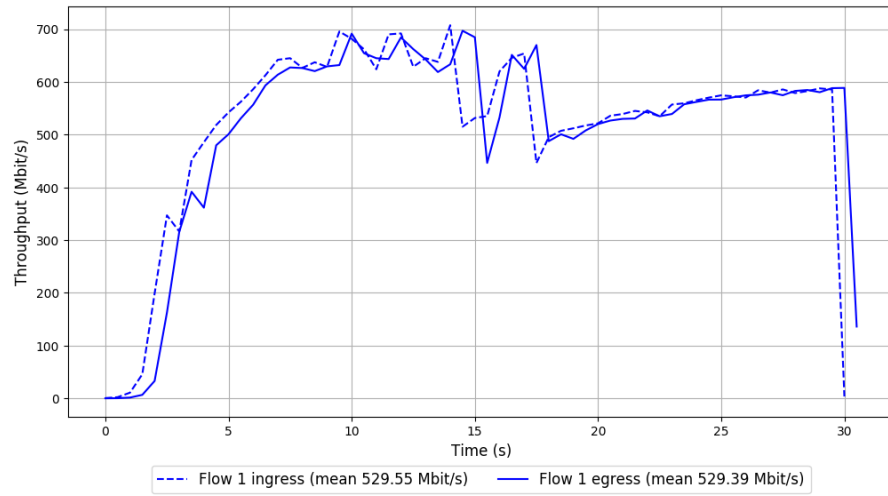


Run 2: Statistics of TCP Cubic

Start at: 2018-08-27 20:13:42
End at: 2018-08-27 20:14:12
Local clock offset: -3.05 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-28 00:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 529.39 Mbit/s
95th percentile per-packet one-way delay: 190.966 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 529.39 Mbit/s
95th percentile per-packet one-way delay: 190.966 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link

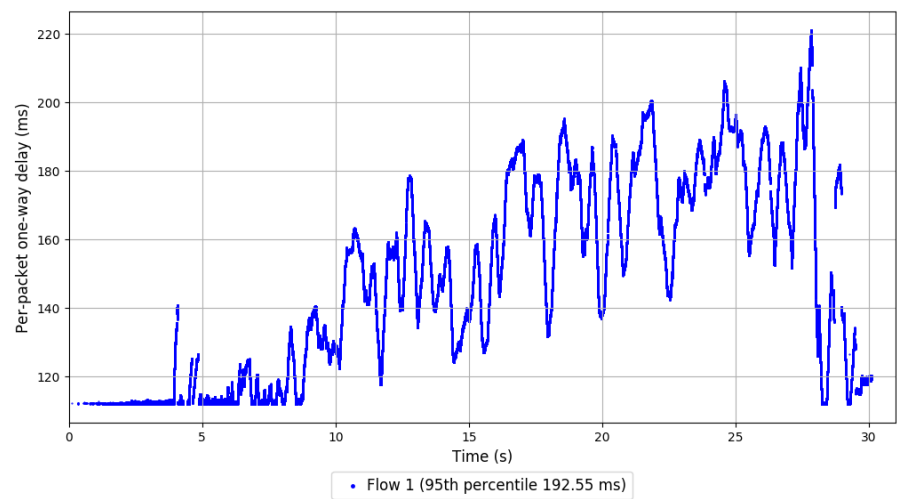
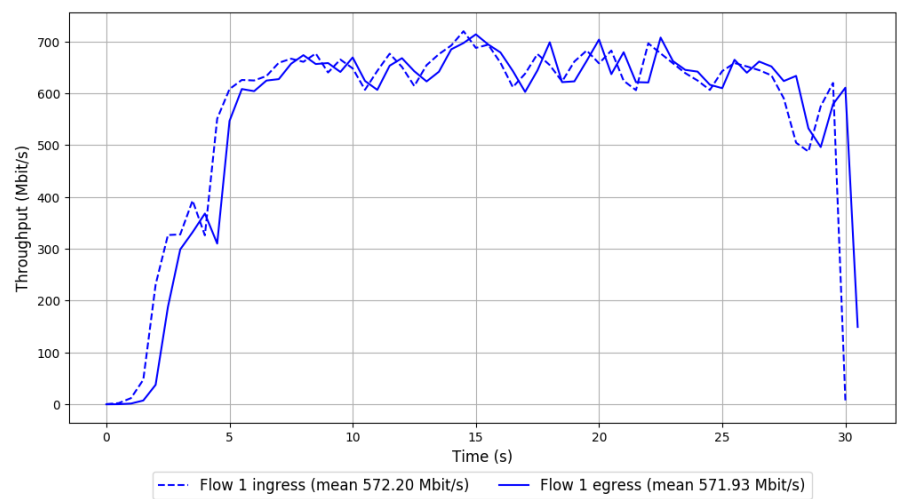


Run 3: Statistics of TCP Cubic

Start at: 2018-08-27 20:38:07
End at: 2018-08-27 20:38:37
Local clock offset: -3.011 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-28 00:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 571.93 Mbit/s
95th percentile per-packet one-way delay: 192.546 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 571.93 Mbit/s
95th percentile per-packet one-way delay: 192.546 ms
Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-27 21:02:31

End at: 2018-08-27 21:03:01

Local clock offset: -2.785 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-08-28 00:13:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.66 Mbit/s

95th percentile per-packet one-way delay: 175.763 ms

Loss rate: 0.00%

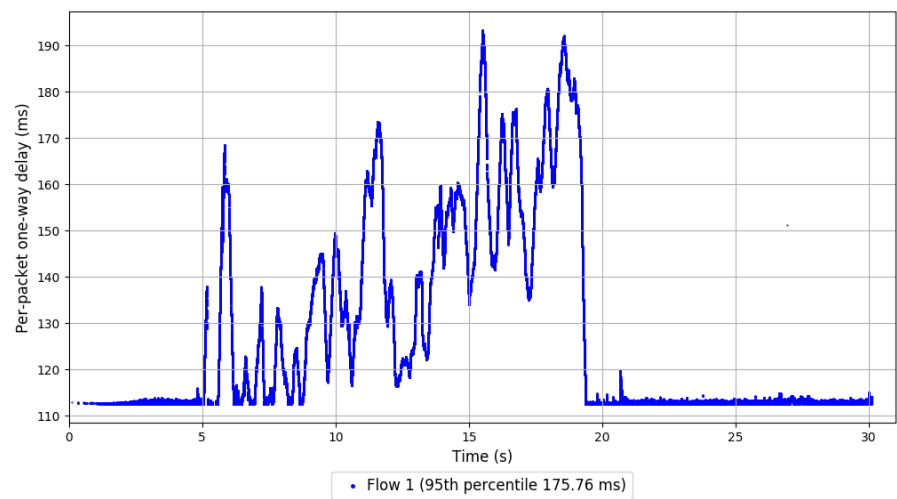
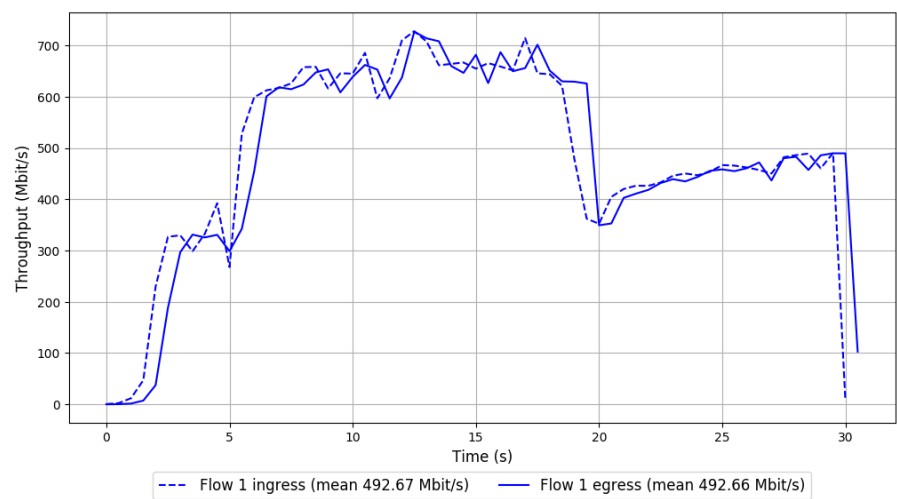
-- Flow 1:

Average throughput: 492.66 Mbit/s

95th percentile per-packet one-way delay: 175.763 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-27 21:26:32

End at: 2018-08-27 21:27:02

Local clock offset: -2.909 ms

Remote clock offset: 2.747 ms

Below is generated by plot.py at 2018-08-28 00:13:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.16 Mbit/s

95th percentile per-packet one-way delay: 154.705 ms

Loss rate: 0.00%

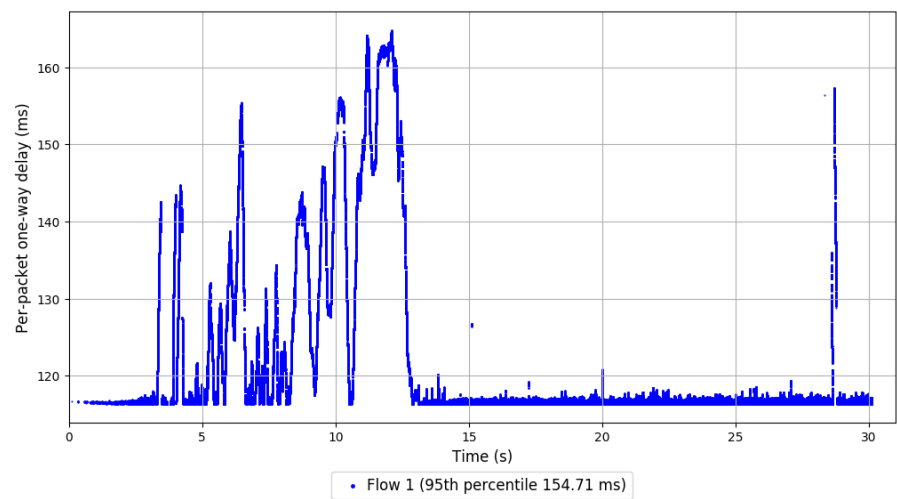
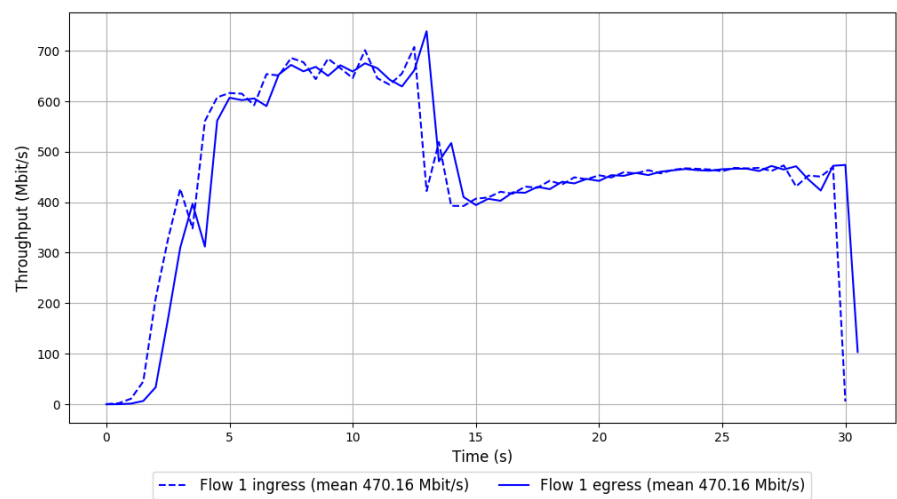
-- Flow 1:

Average throughput: 470.16 Mbit/s

95th percentile per-packet one-way delay: 154.705 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

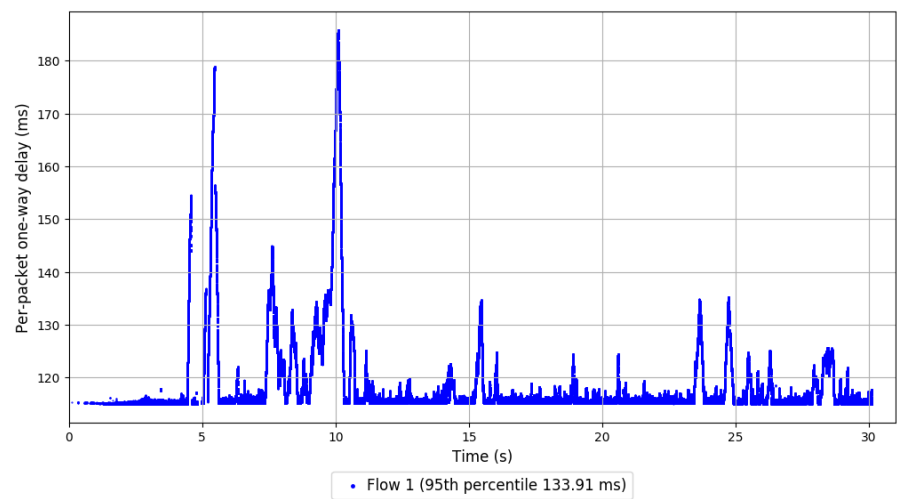
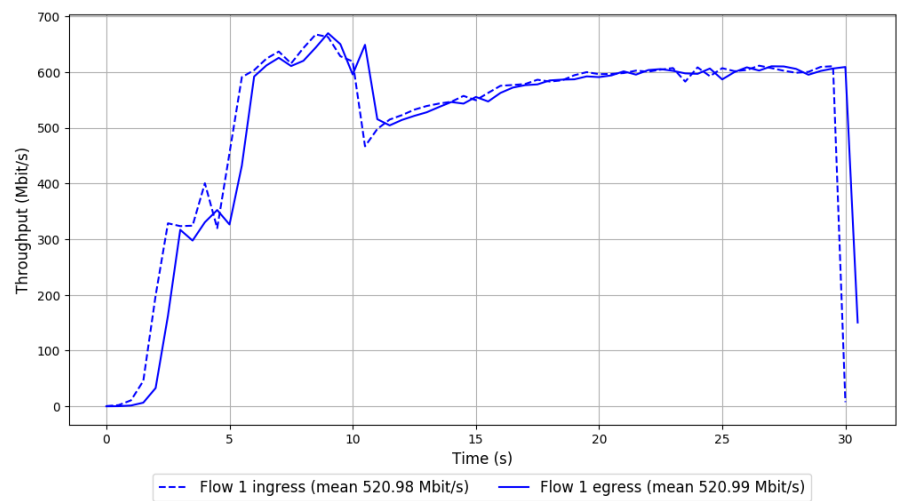


Run 6: Statistics of TCP Cubic

Start at: 2018-08-27 21:51:01
End at: 2018-08-27 21:51:31
Local clock offset: -2.827 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-08-28 00:15:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 520.99 Mbit/s
95th percentile per-packet one-way delay: 133.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 520.99 Mbit/s
95th percentile per-packet one-way delay: 133.914 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

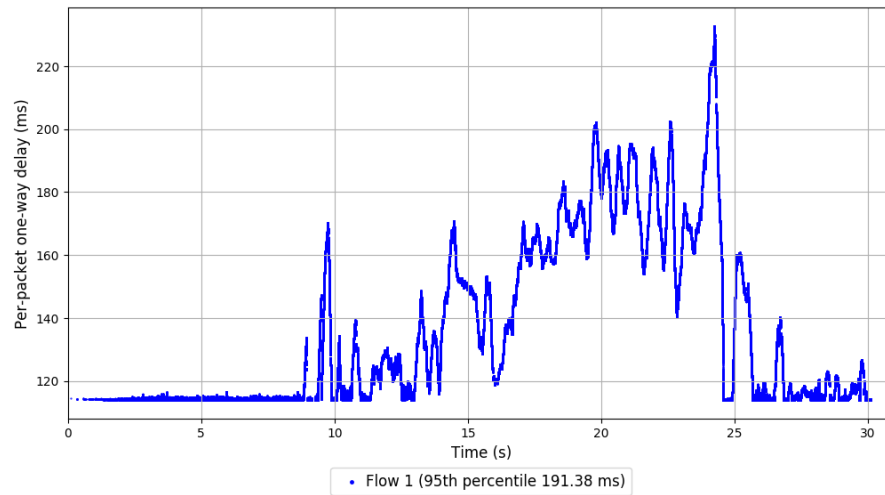
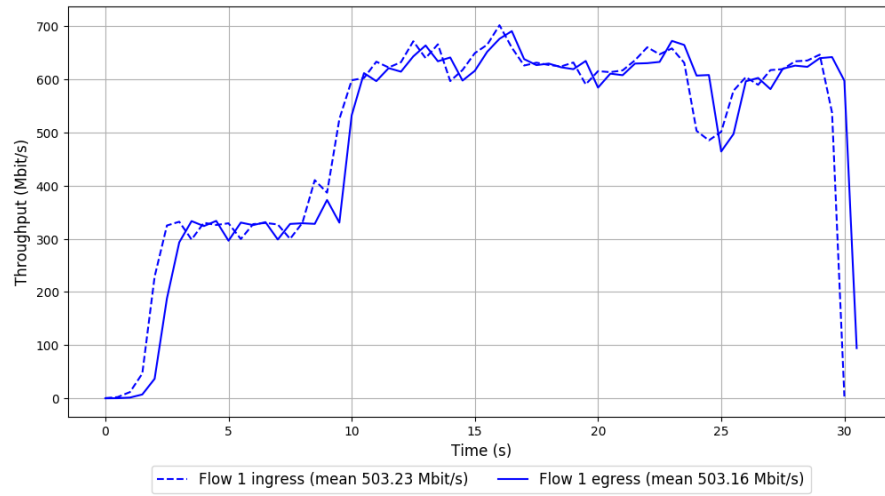


Run 7: Statistics of TCP Cubic

Start at: 2018-08-27 22:15:15
End at: 2018-08-27 22:15:45
Local clock offset: -2.946 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-08-28 00:17:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 503.16 Mbit/s
95th percentile per-packet one-way delay: 191.375 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 503.16 Mbit/s
95th percentile per-packet one-way delay: 191.375 ms
Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-27 22:39:04

End at: 2018-08-27 22:39:34

Local clock offset: -2.855 ms

Remote clock offset: 2.054 ms

Below is generated by plot.py at 2018-08-28 00:18:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.72 Mbit/s

95th percentile per-packet one-way delay: 135.233 ms

Loss rate: 0.00%

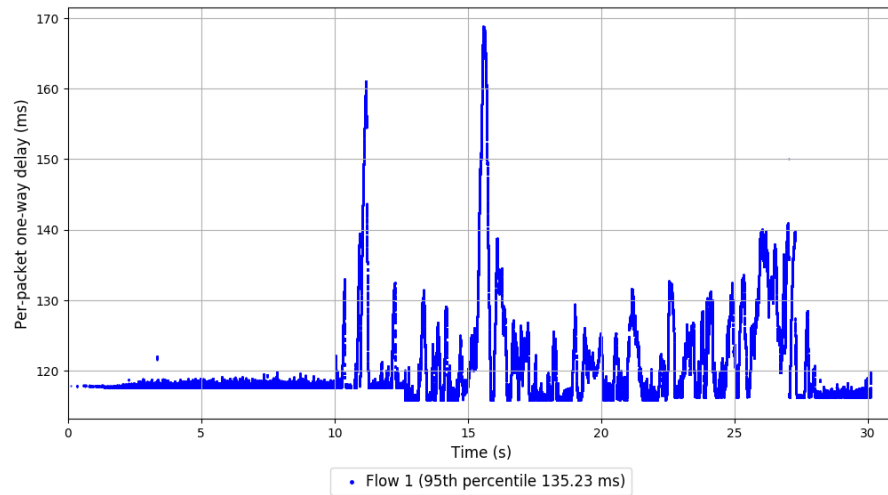
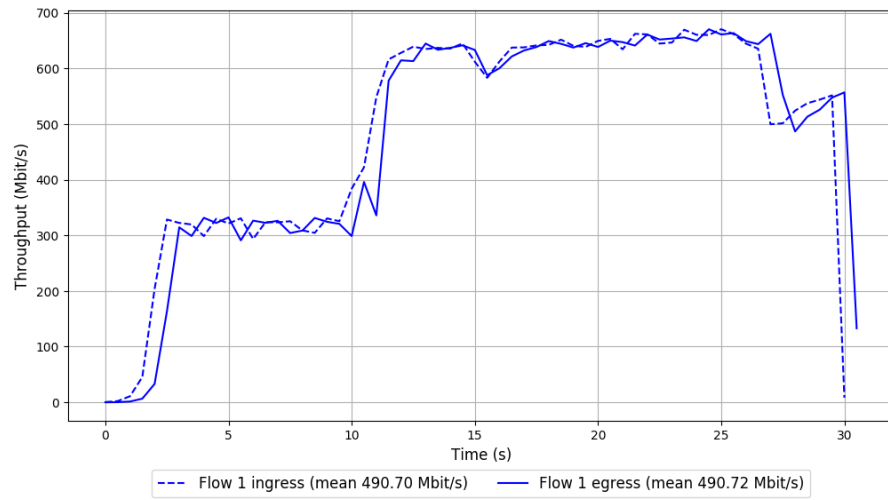
-- Flow 1:

Average throughput: 490.72 Mbit/s

95th percentile per-packet one-way delay: 135.233 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

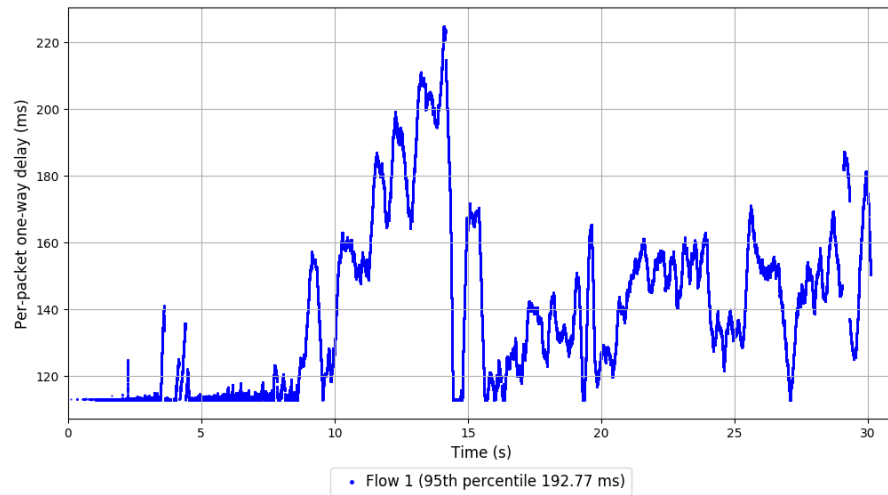
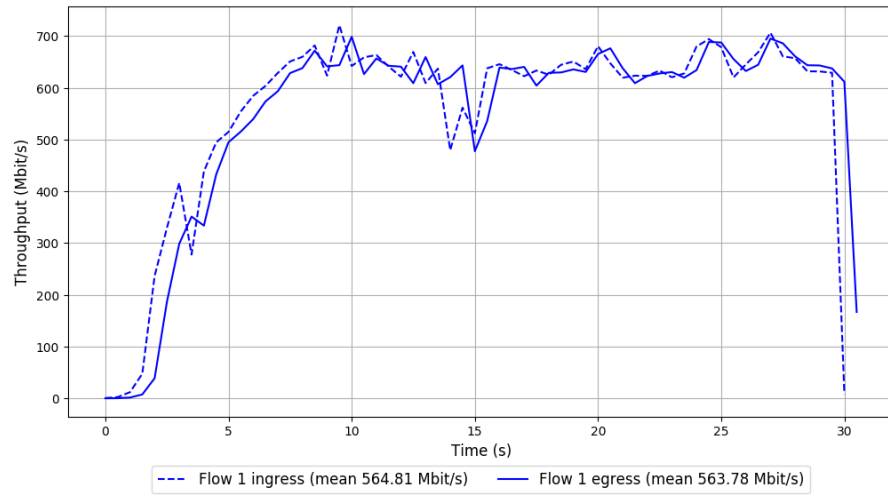


Run 9: Statistics of TCP Cubic

Start at: 2018-08-27 23:03:22
End at: 2018-08-27 23:03:52
Local clock offset: -2.804 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-08-28 00:19:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 563.78 Mbit/s
95th percentile per-packet one-way delay: 192.770 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 563.78 Mbit/s
95th percentile per-packet one-way delay: 192.770 ms
Loss rate: 0.18%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-27 23:27:48

End at: 2018-08-27 23:28:18

Local clock offset: 0.149 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-08-28 00:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.58 Mbit/s

95th percentile per-packet one-way delay: 151.399 ms

Loss rate: 0.18%

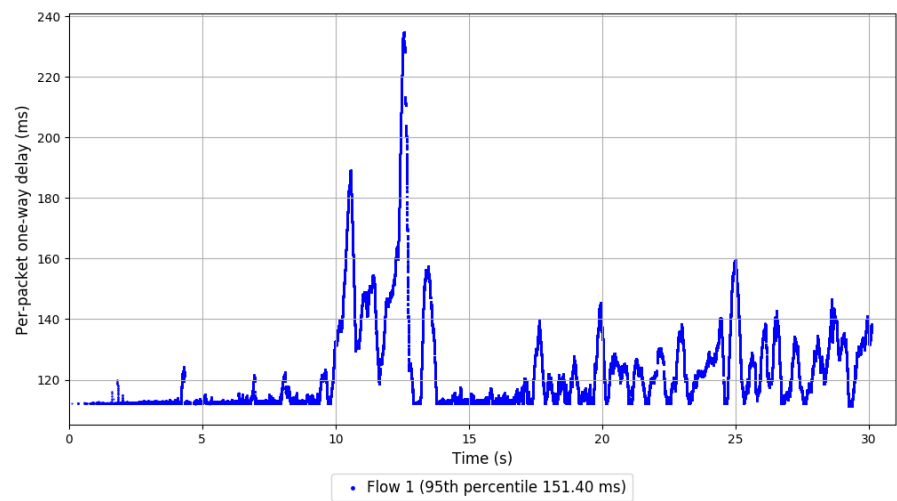
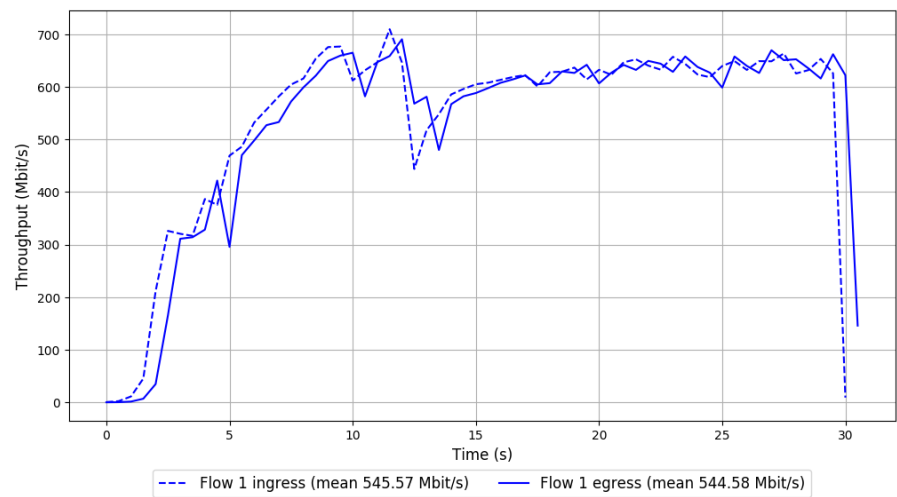
-- Flow 1:

Average throughput: 544.58 Mbit/s

95th percentile per-packet one-way delay: 151.399 ms

Loss rate: 0.18%

Run 10: Report of TCP Cubic — Data Link

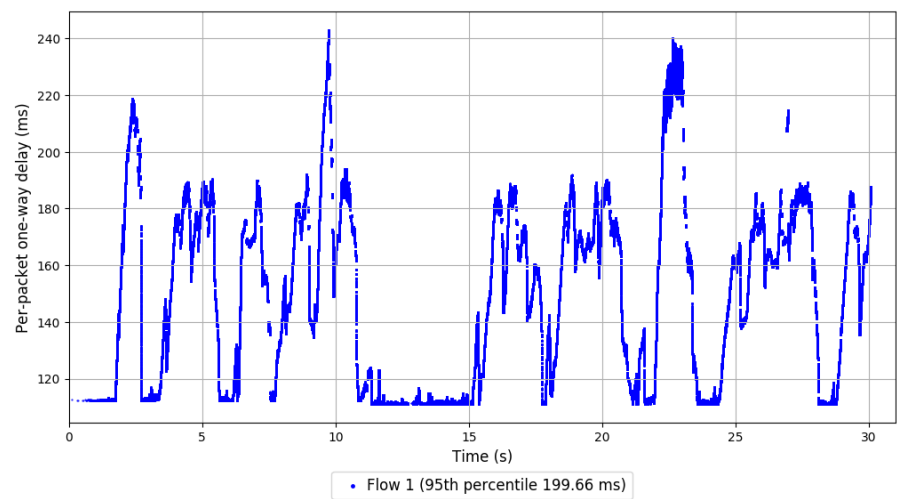
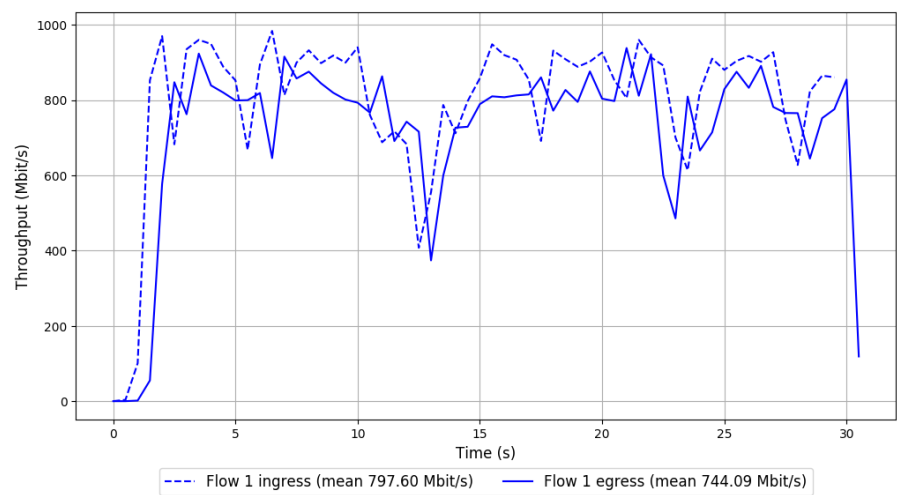


Run 1: Statistics of FillP

Start at: 2018-08-27 19:42:03
End at: 2018-08-27 19:42:33
Local clock offset: -2.855 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-08-28 00:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 744.09 Mbit/s
95th percentile per-packet one-way delay: 199.658 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 744.09 Mbit/s
95th percentile per-packet one-way delay: 199.658 ms
Loss rate: 6.71%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-27 20:06:34

End at: 2018-08-27 20:07:04

Local clock offset: -2.959 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-08-28 00:28:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 771.35 Mbit/s

95th percentile per-packet one-way delay: 187.841 ms

Loss rate: 5.28%

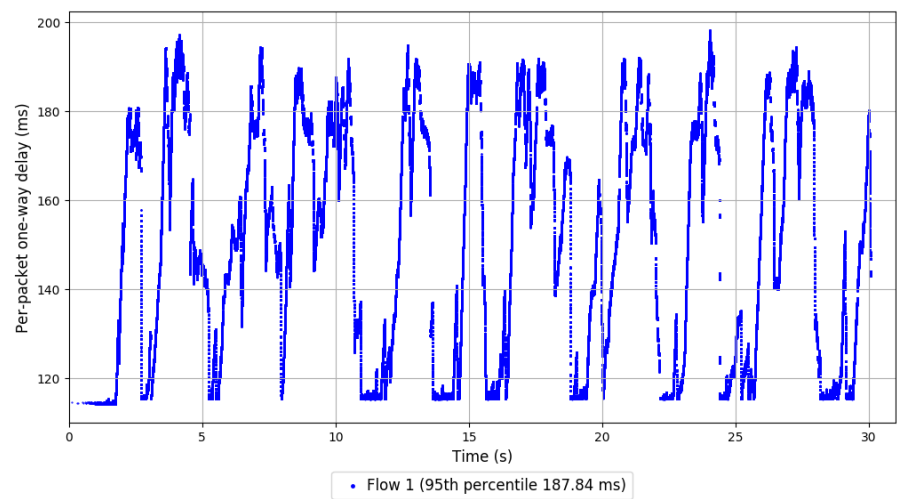
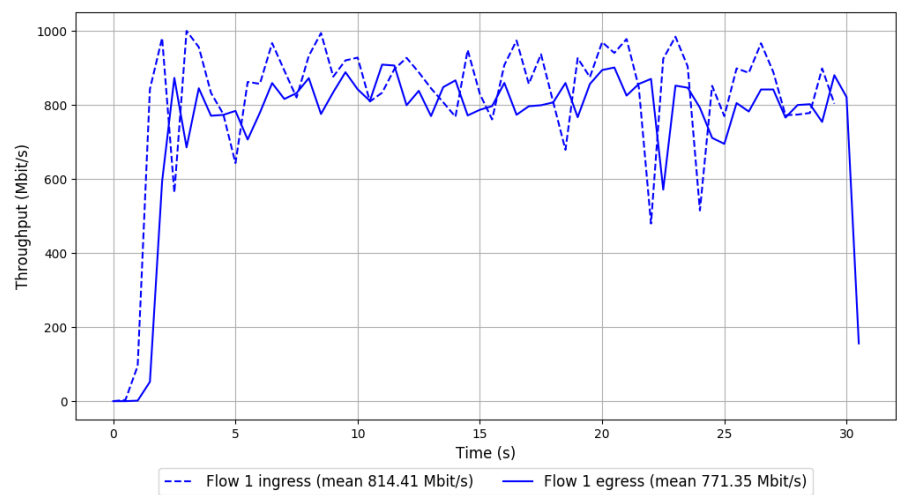
-- Flow 1:

Average throughput: 771.35 Mbit/s

95th percentile per-packet one-way delay: 187.841 ms

Loss rate: 5.28%

Run 2: Report of FillP — Data Link

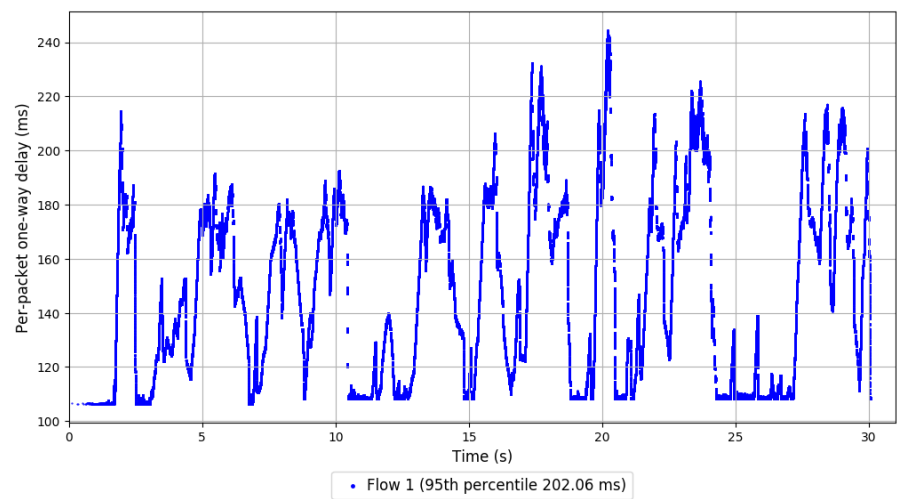
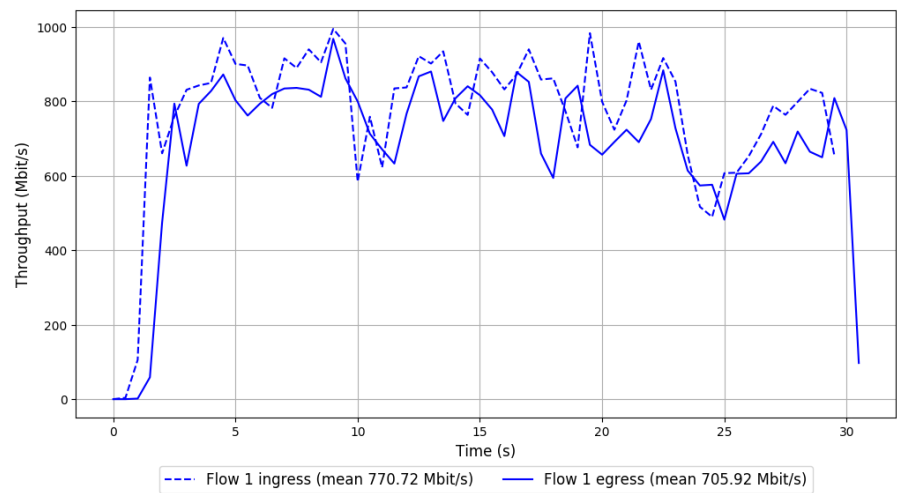


Run 3: Statistics of FillP

Start at: 2018-08-27 20:31:08
End at: 2018-08-27 20:31:38
Local clock offset: 2.819 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-28 00:28:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 705.92 Mbit/s
95th percentile per-packet one-way delay: 202.065 ms
Loss rate: 8.40%
-- Flow 1:
Average throughput: 705.92 Mbit/s
95th percentile per-packet one-way delay: 202.065 ms
Loss rate: 8.40%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-27 20:55:29

End at: 2018-08-27 20:55:59

Local clock offset: -2.975 ms

Remote clock offset: 2.069 ms

Below is generated by plot.py at 2018-08-28 00:30:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 714.44 Mbit/s

95th percentile per-packet one-way delay: 195.729 ms

Loss rate: 6.05%

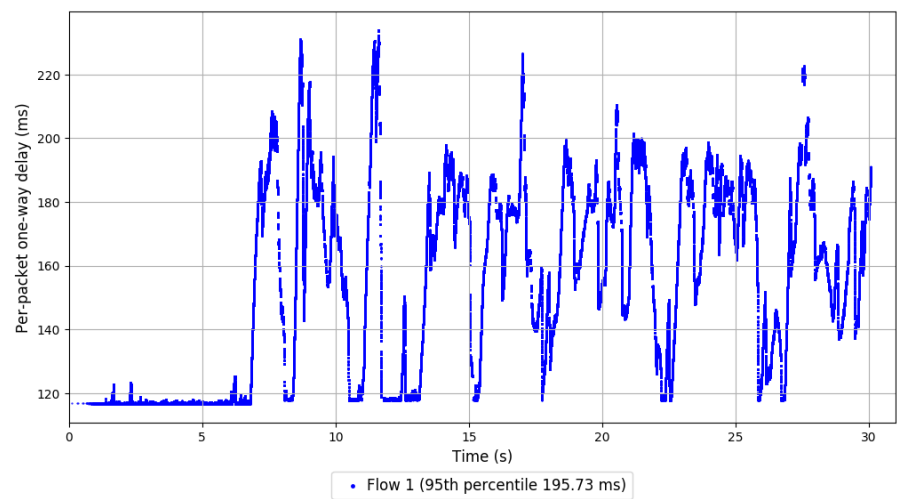
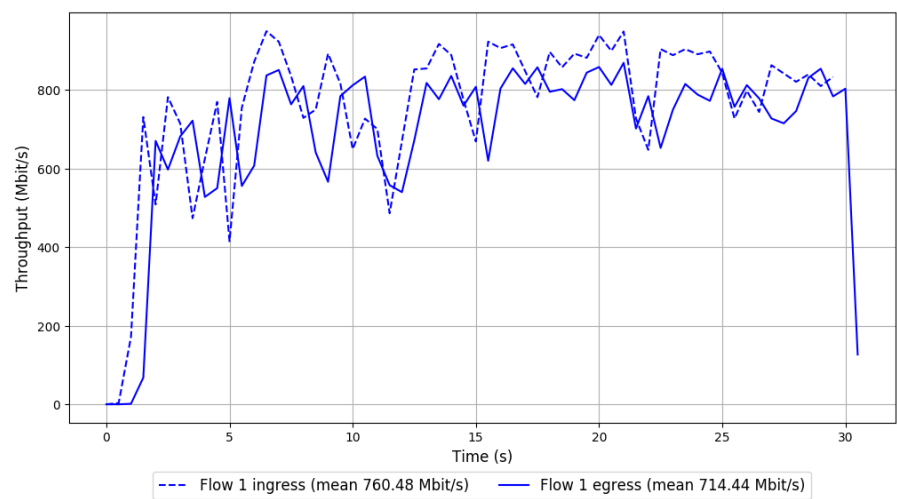
-- Flow 1:

Average throughput: 714.44 Mbit/s

95th percentile per-packet one-way delay: 195.729 ms

Loss rate: 6.05%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-27 21:19:35

End at: 2018-08-27 21:20:05

Local clock offset: 0.016 ms

Remote clock offset: 0.564 ms

Below is generated by plot.py at 2018-08-28 00:35:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 779.15 Mbit/s

95th percentile per-packet one-way delay: 185.822 ms

Loss rate: 5.10%

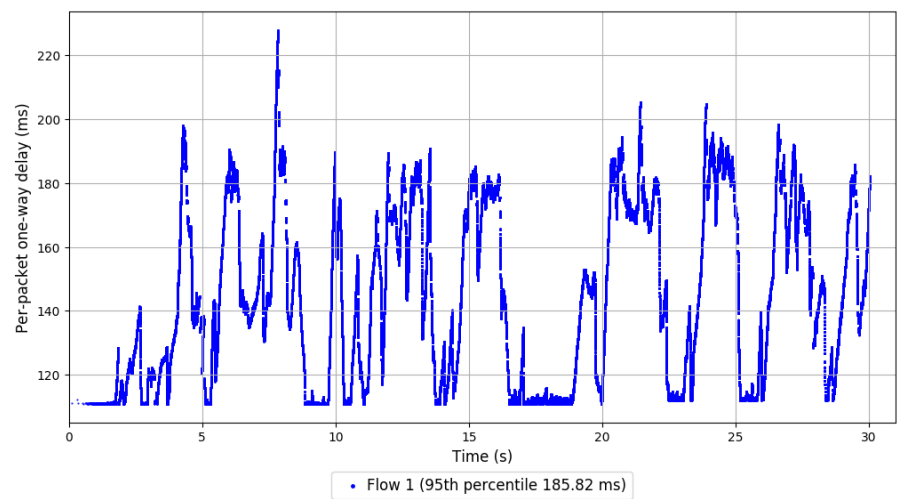
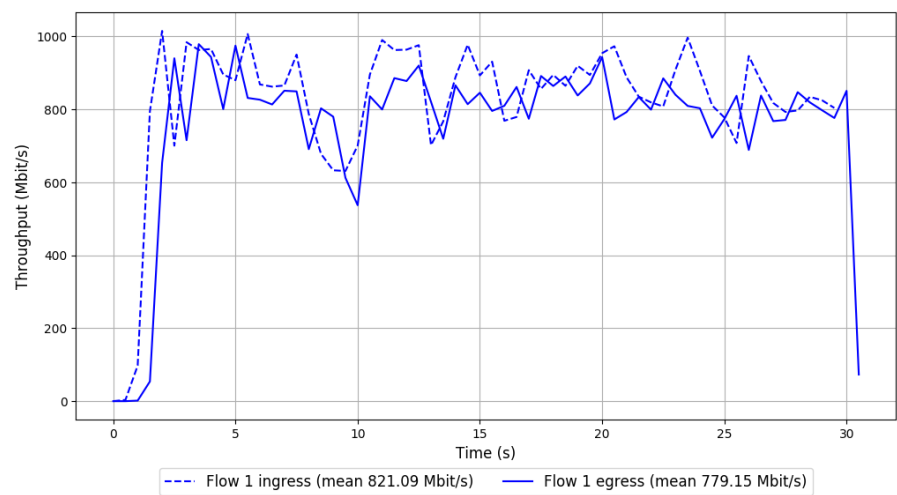
-- Flow 1:

Average throughput: 779.15 Mbit/s

95th percentile per-packet one-way delay: 185.822 ms

Loss rate: 5.10%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-27 21:43:53

End at: 2018-08-27 21:44:24

Local clock offset: -0.039 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2018-08-28 00:36:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 848.69 Mbit/s

95th percentile per-packet one-way delay: 191.446 ms

Loss rate: 4.12%

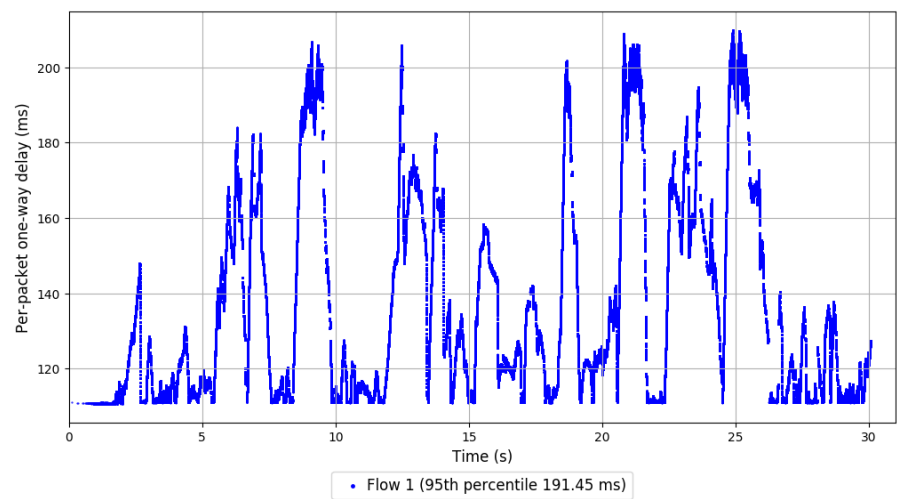
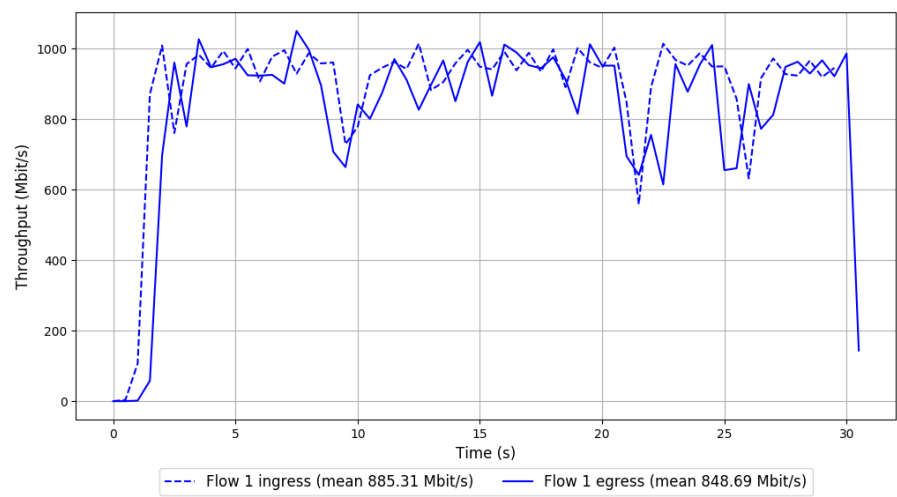
-- Flow 1:

Average throughput: 848.69 Mbit/s

95th percentile per-packet one-way delay: 191.446 ms

Loss rate: 4.12%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

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

End at: 2018-08-27 22:08:39

Local clock offset: 2.76 ms

Remote clock offset: 2.797 ms

Below is generated by plot.py at 2018-08-28 00:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 779.70 Mbit/s

95th percentile per-packet one-way delay: 184.504 ms

Loss rate: 4.62%

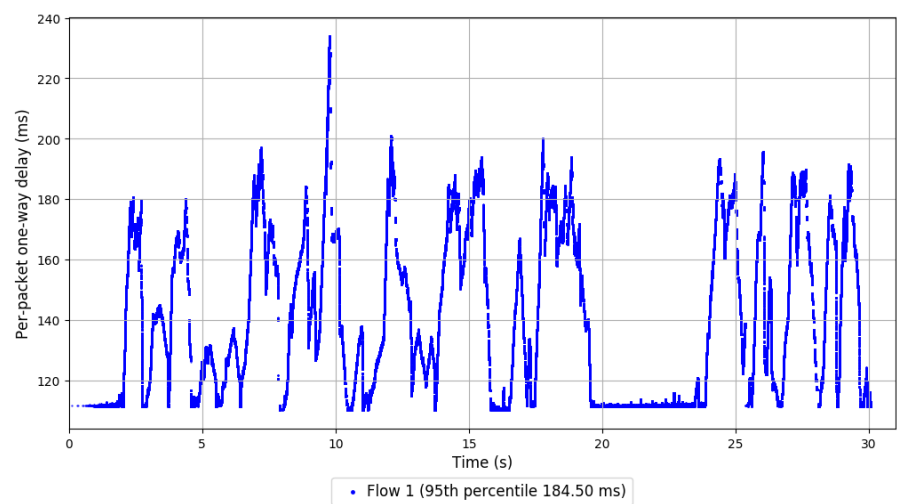
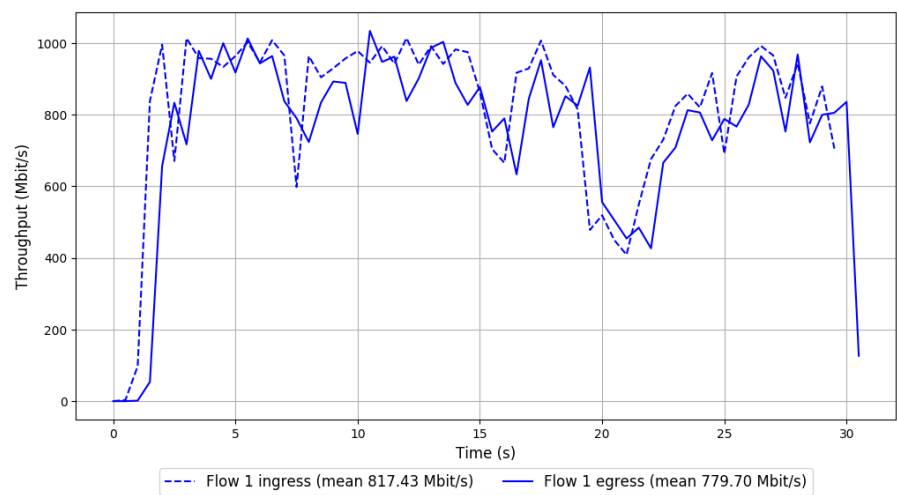
-- Flow 1:

Average throughput: 779.70 Mbit/s

95th percentile per-packet one-way delay: 184.504 ms

Loss rate: 4.62%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-27 22:32:04

End at: 2018-08-27 22:32:34

Local clock offset: -0.189 ms

Remote clock offset: 2.079 ms

Below is generated by plot.py at 2018-08-28 00:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 823.39 Mbit/s

95th percentile per-packet one-way delay: 187.332 ms

Loss rate: 4.64%

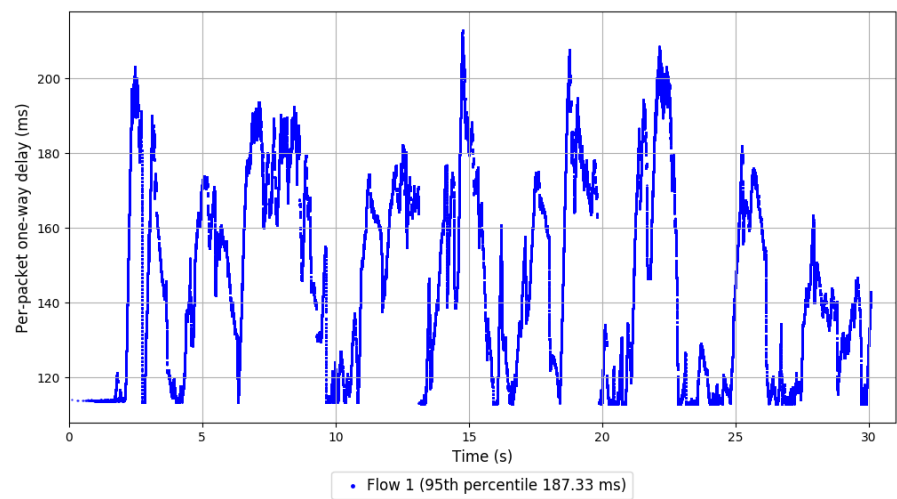
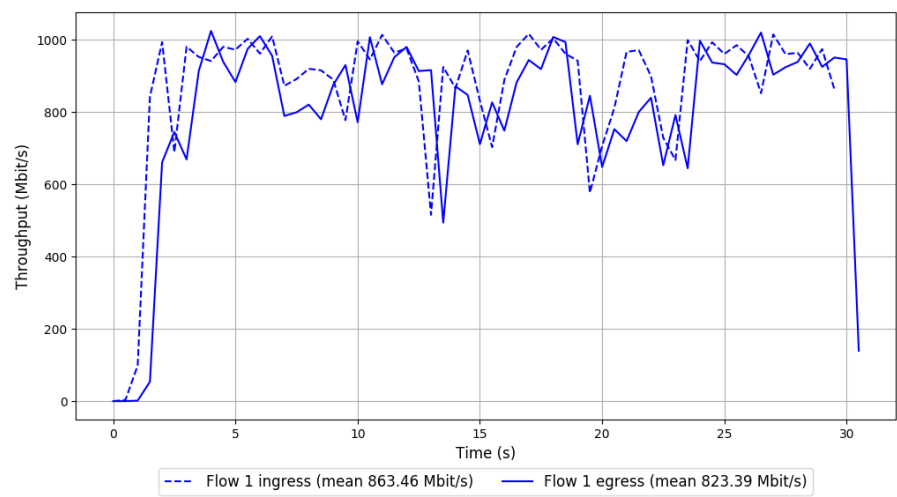
-- Flow 1:

Average throughput: 823.39 Mbit/s

95th percentile per-packet one-way delay: 187.332 ms

Loss rate: 4.64%

Run 8: Report of FillP — Data Link

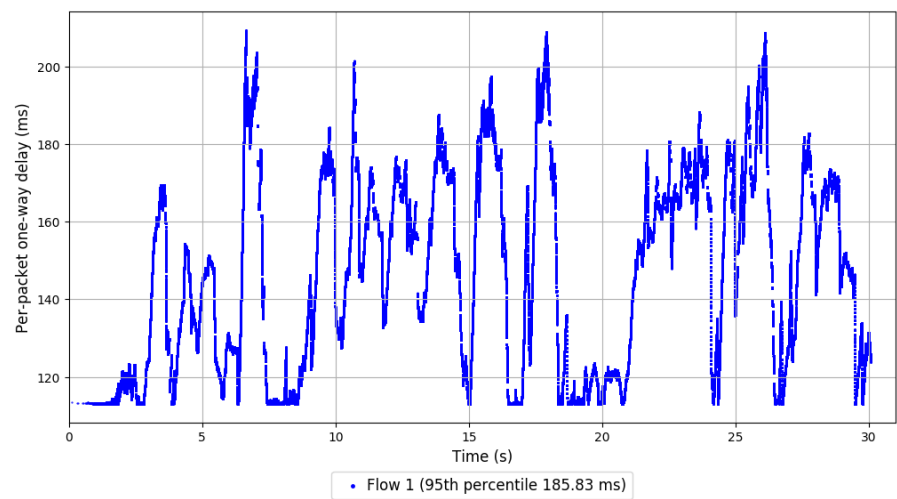
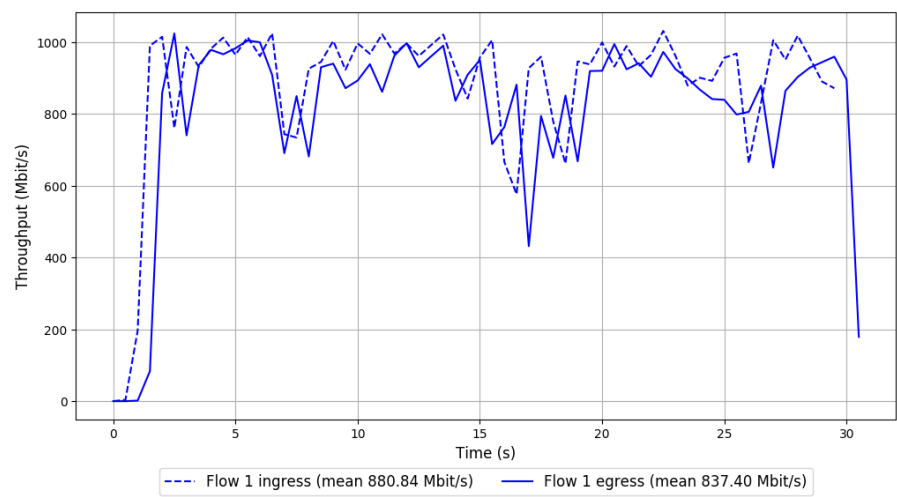


Run 9: Statistics of FillP

Start at: 2018-08-27 22:56:14
End at: 2018-08-27 22:56:44
Local clock offset: -2.789 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-08-28 00:47:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 837.40 Mbit/s
95th percentile per-packet one-way delay: 185.829 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 837.40 Mbit/s
95th percentile per-packet one-way delay: 185.829 ms
Loss rate: 4.93%

Run 9: Report of FillP — Data Link

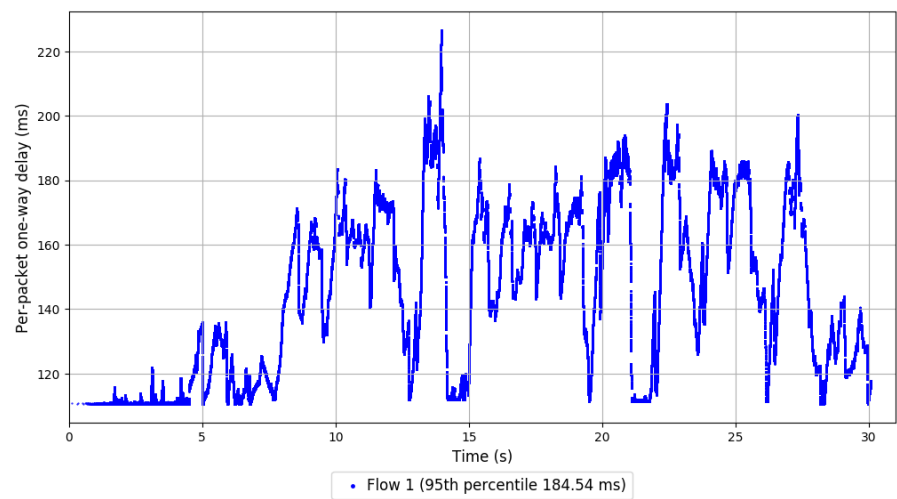
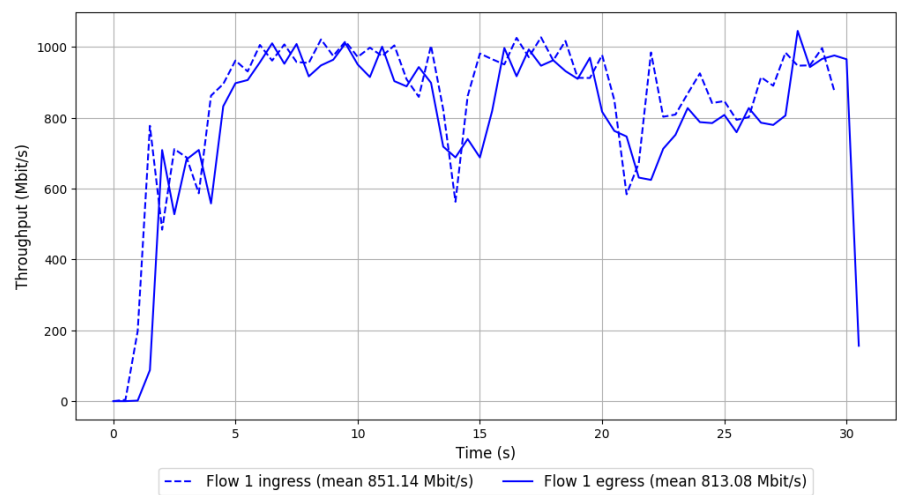


Run 10: Statistics of FillP

Start at: 2018-08-27 23:20:49
End at: 2018-08-27 23:21:19
Local clock offset: 0.153 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-08-28 00:47:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 813.08 Mbit/s
95th percentile per-packet one-way delay: 184.536 ms
Loss rate: 4.46%
-- Flow 1:
Average throughput: 813.08 Mbit/s
95th percentile per-packet one-way delay: 184.536 ms
Loss rate: 4.46%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-27 19:30:20

End at: 2018-08-27 19:30:50

Local clock offset: -2.926 ms

Remote clock offset: 0.473 ms

Below is generated by plot.py at 2018-08-28 00:47:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 765.95 Mbit/s

95th percentile per-packet one-way delay: 186.802 ms

Loss rate: 4.65%

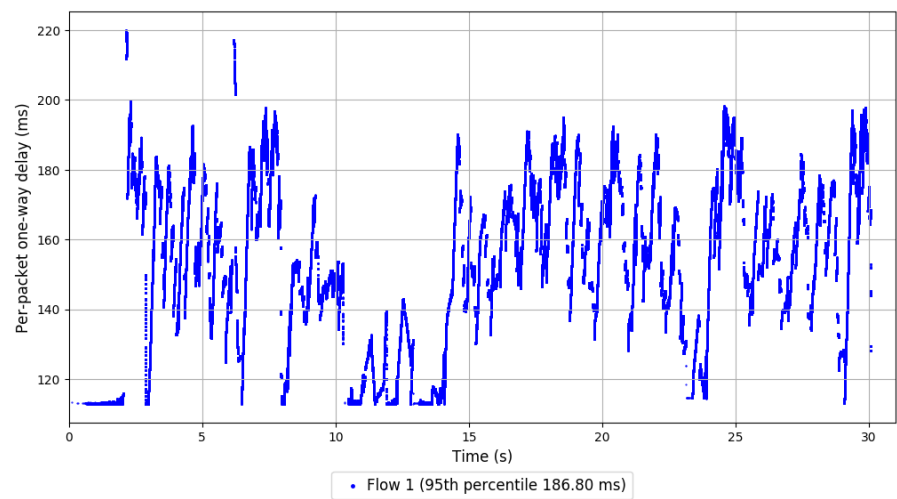
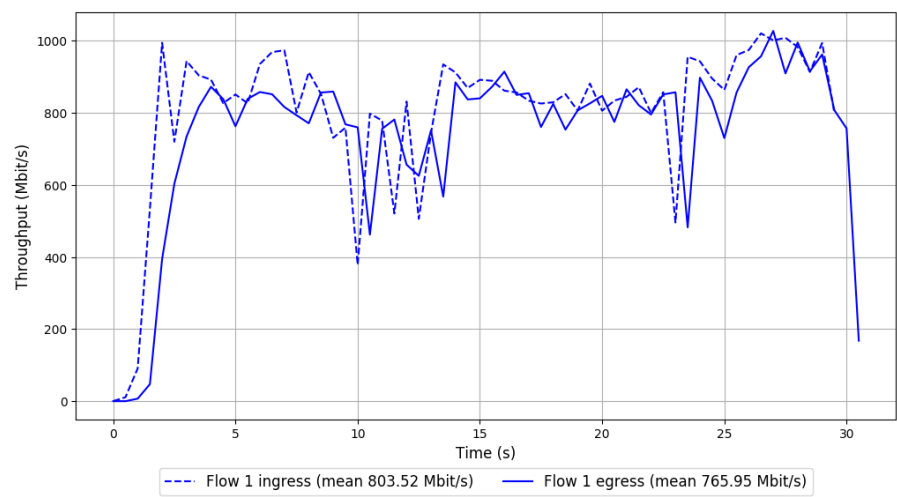
-- Flow 1:

Average throughput: 765.95 Mbit/s

95th percentile per-packet one-way delay: 186.802 ms

Loss rate: 4.65%

Run 1: Report of FillP-Sheep — Data Link

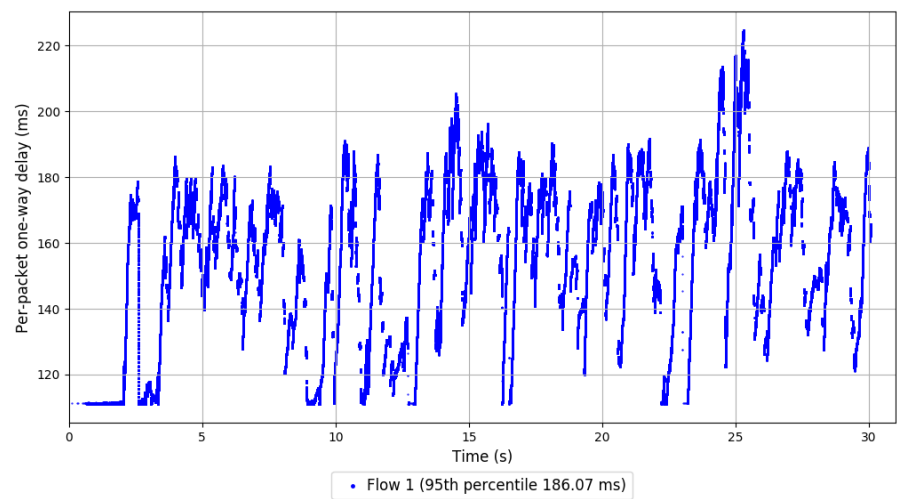
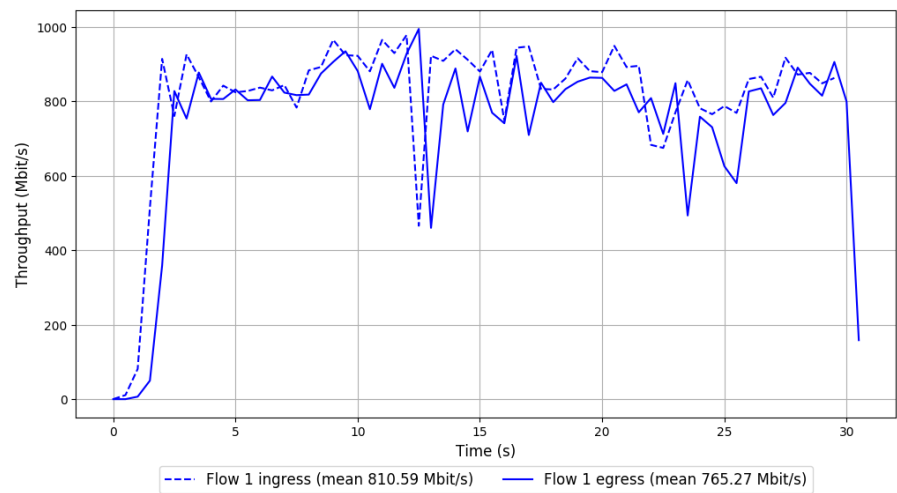


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-27 19:54:44
End at: 2018-08-27 19:55:14
Local clock offset: 0.026 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-08-28 00:47:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.27 Mbit/s
95th percentile per-packet one-way delay: 186.074 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 765.27 Mbit/s
95th percentile per-packet one-way delay: 186.074 ms
Loss rate: 5.55%

Run 2: Report of FillP-Sheep — Data Link

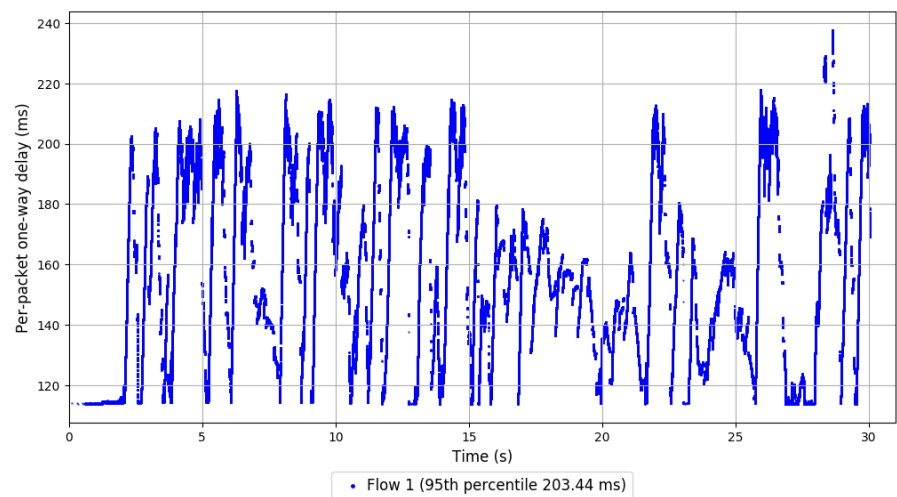
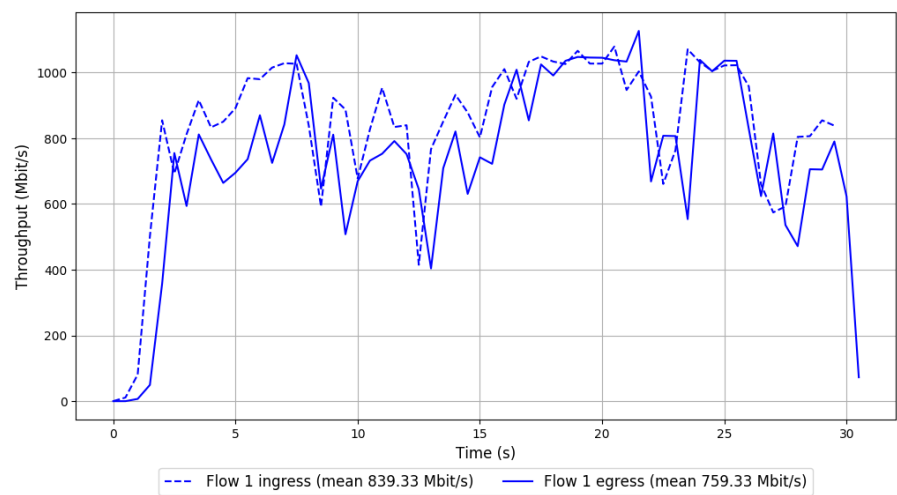


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-27 20:19:35
End at: 2018-08-27 20:20:05
Local clock offset: -2.876 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-08-28 00:52:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 759.33 Mbit/s
95th percentile per-packet one-way delay: 203.438 ms
Loss rate: 9.53%
-- Flow 1:
Average throughput: 759.33 Mbit/s
95th percentile per-packet one-way delay: 203.438 ms
Loss rate: 9.53%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-27 20:43:54

End at: 2018-08-27 20:44:24

Local clock offset: 0.067 ms

Remote clock offset: 0.513 ms

Below is generated by plot.py at 2018-08-28 00:53:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 742.38 Mbit/s

95th percentile per-packet one-way delay: 204.374 ms

Loss rate: 9.65%

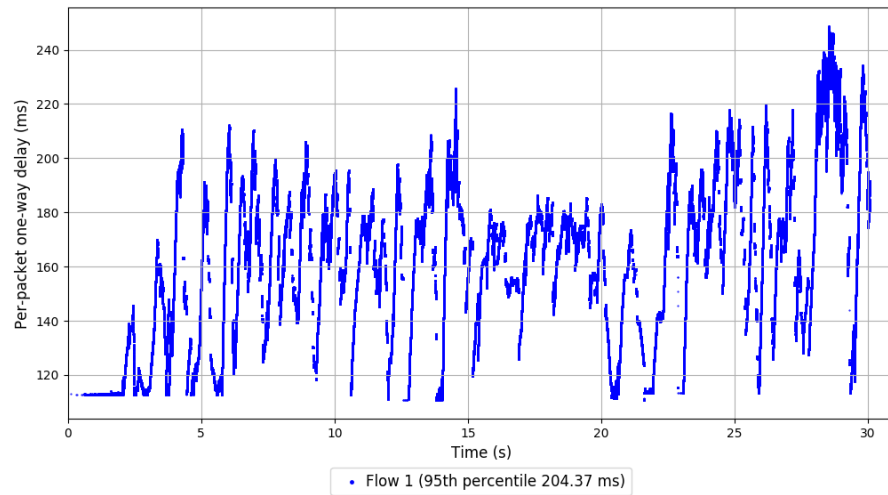
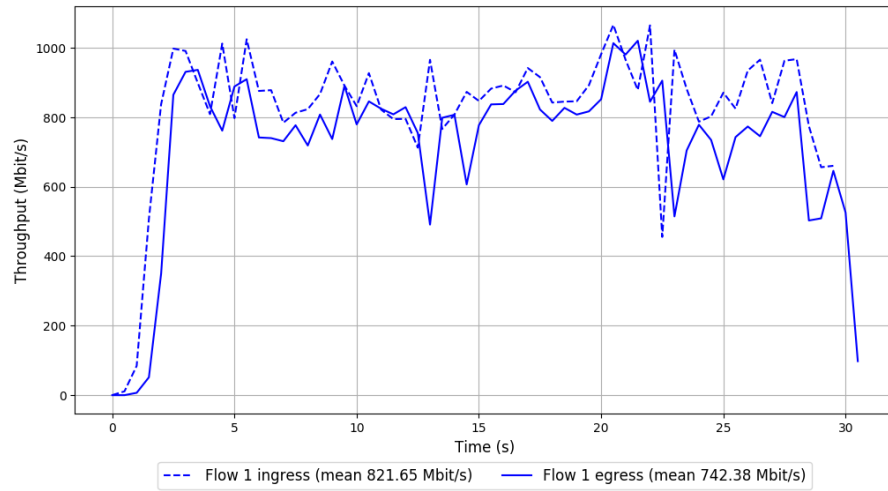
-- Flow 1:

Average throughput: 742.38 Mbit/s

95th percentile per-packet one-way delay: 204.374 ms

Loss rate: 9.65%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-27 21:08:15

End at: 2018-08-27 21:08:45

Local clock offset: -2.866 ms

Remote clock offset: 2.751 ms

Below is generated by plot.py at 2018-08-28 00:53:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 720.03 Mbit/s

95th percentile per-packet one-way delay: 204.422 ms

Loss rate: 7.67%

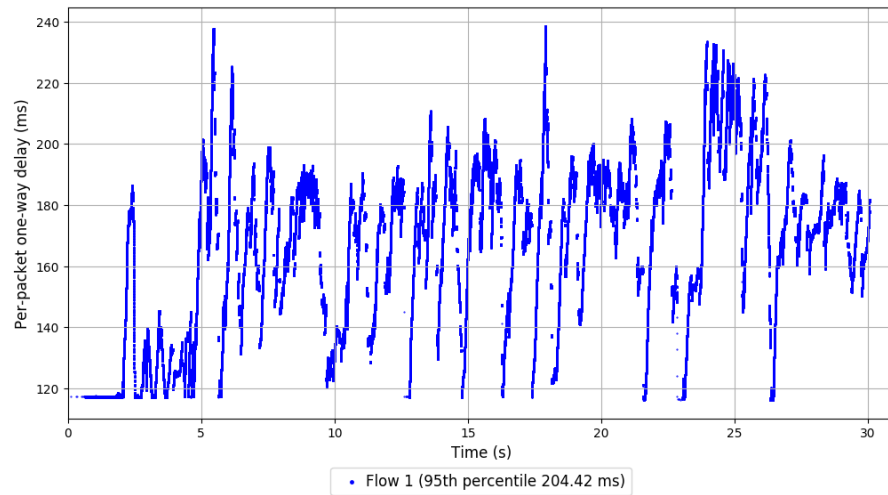
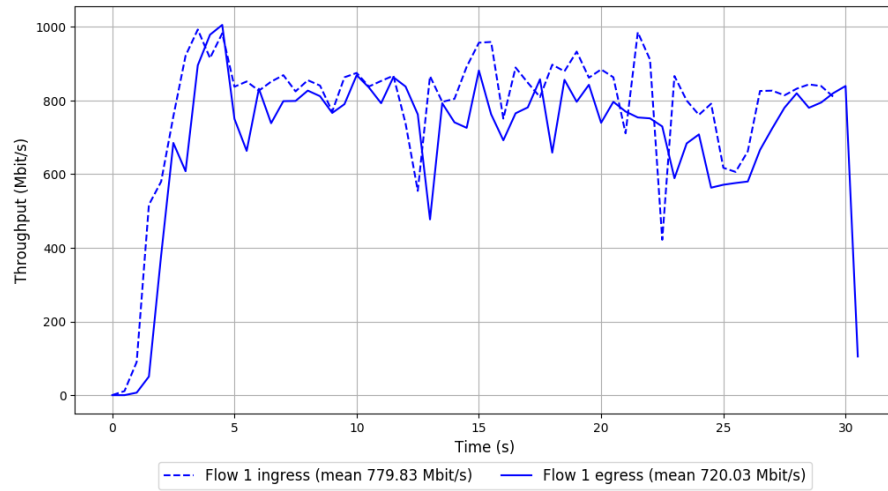
-- Flow 1:

Average throughput: 720.03 Mbit/s

95th percentile per-packet one-way delay: 204.422 ms

Loss rate: 7.67%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-27 21:32:21

End at: 2018-08-27 21:32:51

Local clock offset: -0.03 ms

Remote clock offset: 2.335 ms

Below is generated by plot.py at 2018-08-28 00:55:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 774.09 Mbit/s

95th percentile per-packet one-way delay: 189.622 ms

Loss rate: 6.45%

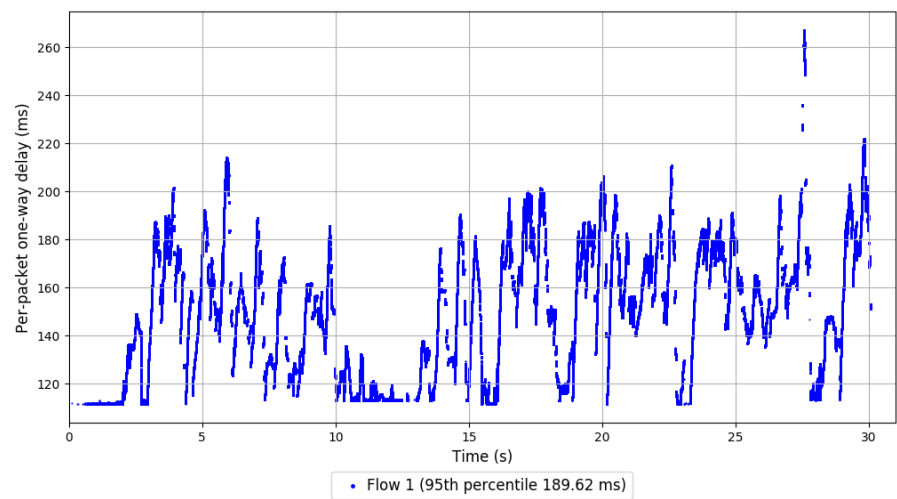
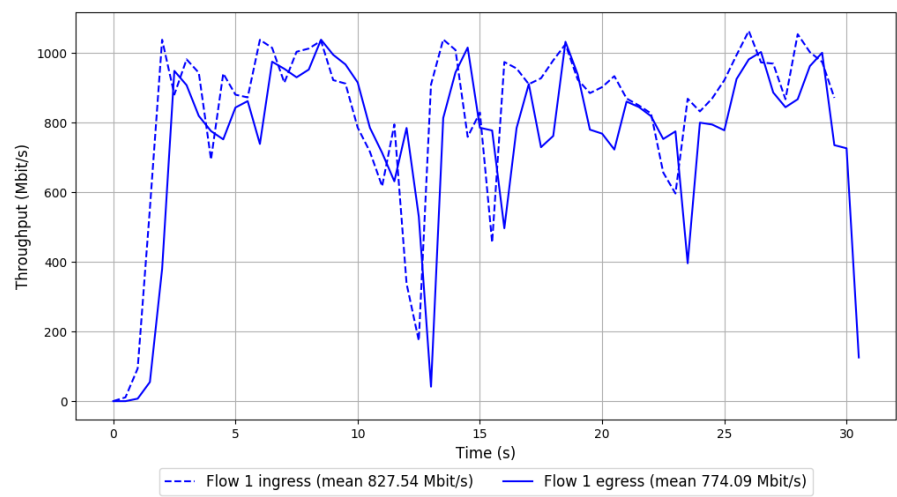
-- Flow 1:

Average throughput: 774.09 Mbit/s

95th percentile per-packet one-way delay: 189.622 ms

Loss rate: 6.45%

Run 6: Report of FillP-Sheep — Data Link

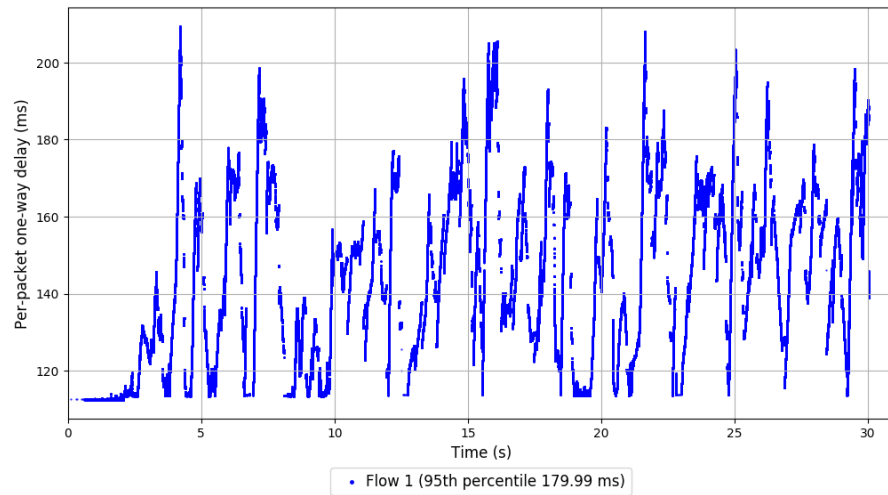
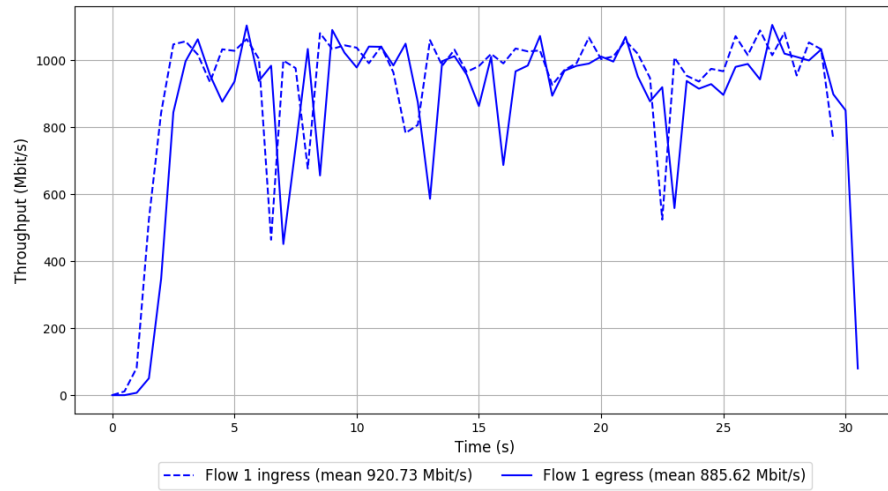


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-27 21:56:44
End at: 2018-08-27 21:57:14
Local clock offset: -2.835 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-08-28 01:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 885.62 Mbit/s
95th percentile per-packet one-way delay: 179.991 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 885.62 Mbit/s
95th percentile per-packet one-way delay: 179.991 ms
Loss rate: 3.81%

Run 7: Report of FillP-Sheep — Data Link

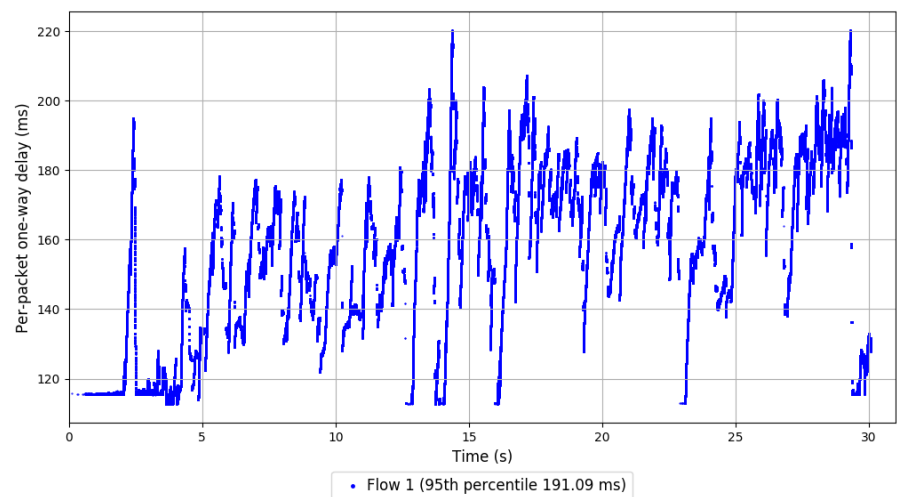
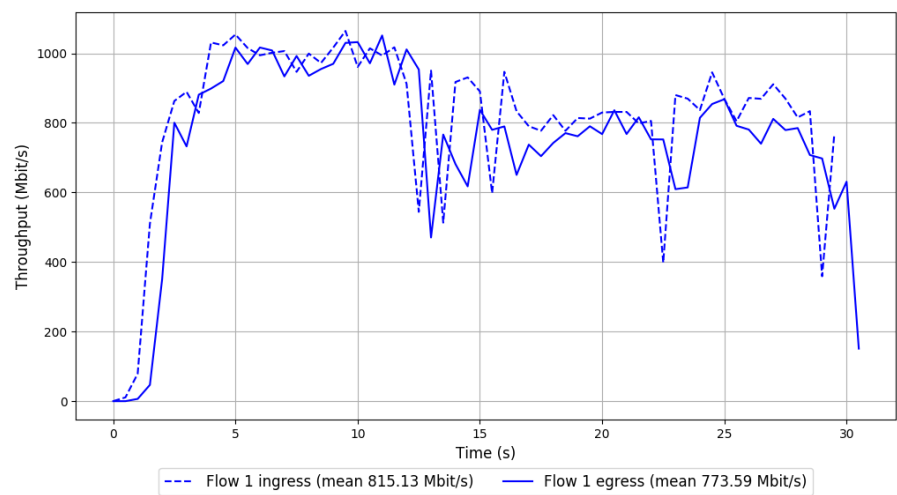


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-27 22:21:03
End at: 2018-08-27 22:21:33
Local clock offset: -0.074 ms
Remote clock offset: 2.814 ms

Below is generated by plot.py at 2018-08-28 01:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 773.59 Mbit/s
95th percentile per-packet one-way delay: 191.095 ms
Loss rate: 5.10%
-- Flow 1:
Average throughput: 773.59 Mbit/s
95th percentile per-packet one-way delay: 191.095 ms
Loss rate: 5.10%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-27 22:44:50

End at: 2018-08-27 22:45:20

Local clock offset: -2.78 ms

Remote clock offset: 1.824 ms

Below is generated by plot.py at 2018-08-28 01:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 793.94 Mbit/s

95th percentile per-packet one-way delay: 190.612 ms

Loss rate: 6.50%

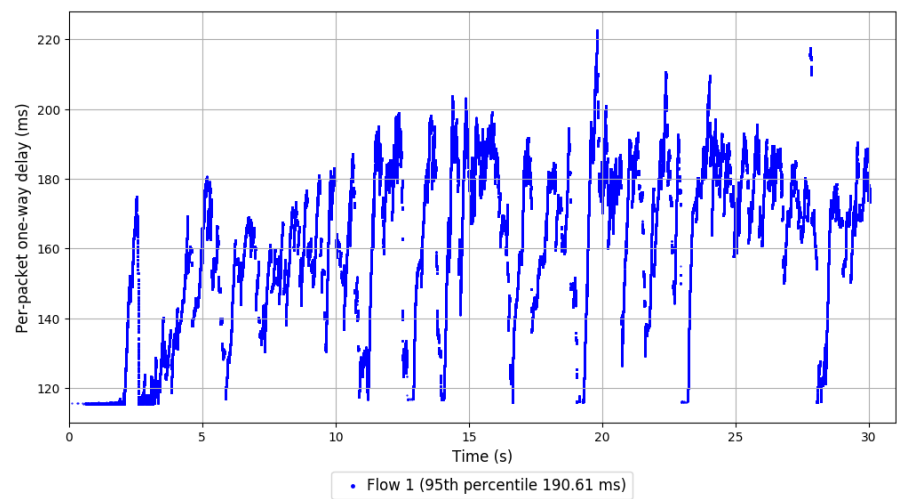
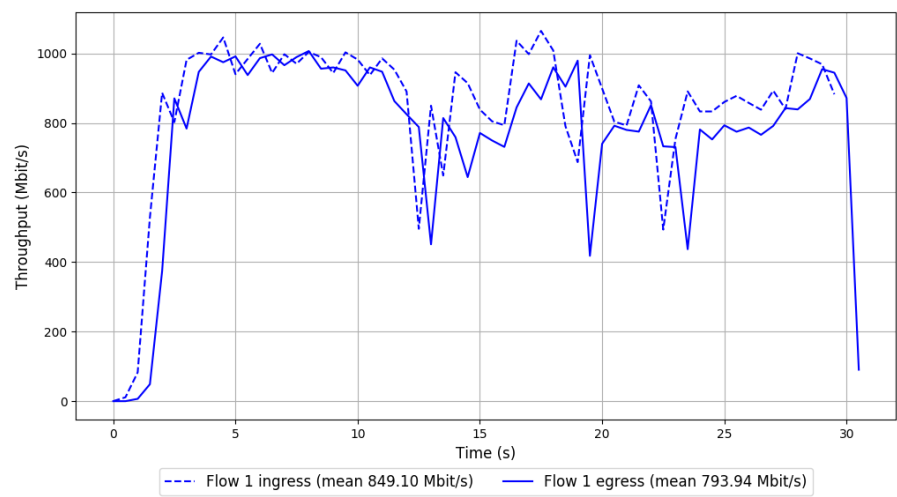
-- Flow 1:

Average throughput: 793.94 Mbit/s

95th percentile per-packet one-way delay: 190.612 ms

Loss rate: 6.50%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-27 23:09:13

End at: 2018-08-27 23:09:43

Local clock offset: 0.166 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-08-28 01:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 727.74 Mbit/s

95th percentile per-packet one-way delay: 190.150 ms

Loss rate: 9.08%

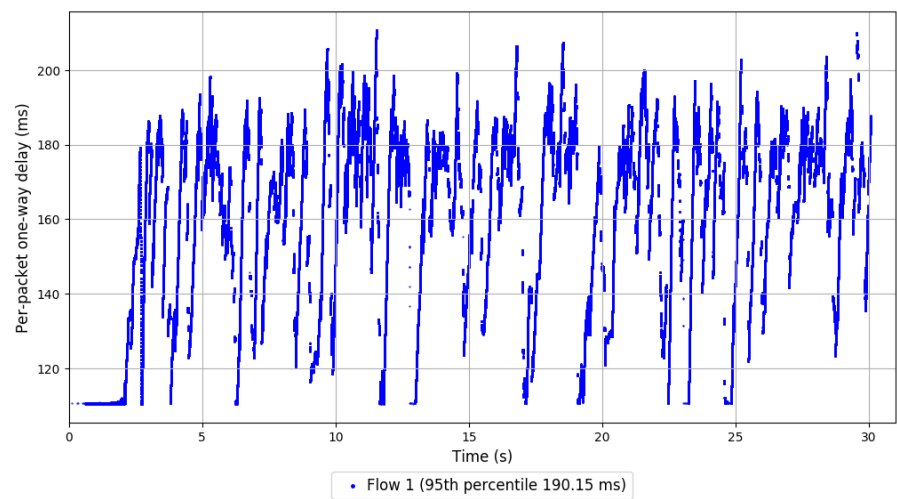
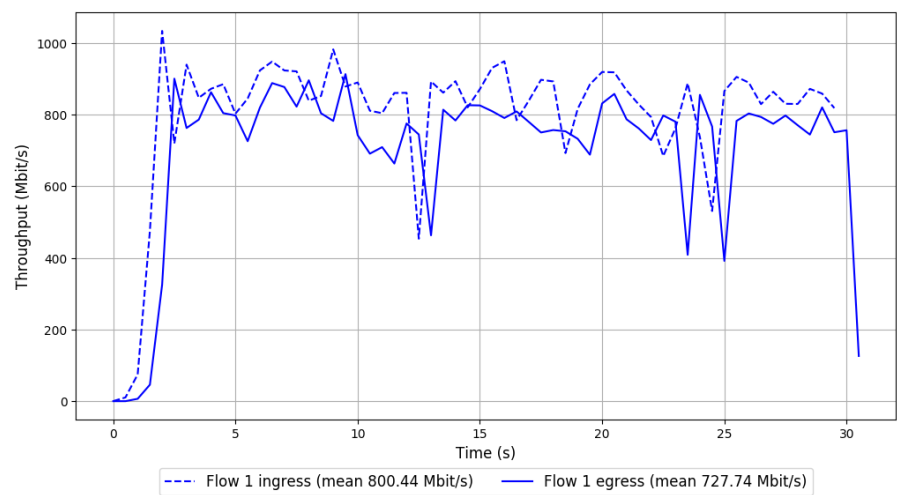
-- Flow 1:

Average throughput: 727.74 Mbit/s

95th percentile per-packet one-way delay: 190.150 ms

Loss rate: 9.08%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-27 19:46:30

End at: 2018-08-27 19:47:00

Local clock offset: 2.854 ms

Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-08-28 01:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.37 Mbit/s

95th percentile per-packet one-way delay: 108.165 ms

Loss rate: 0.00%

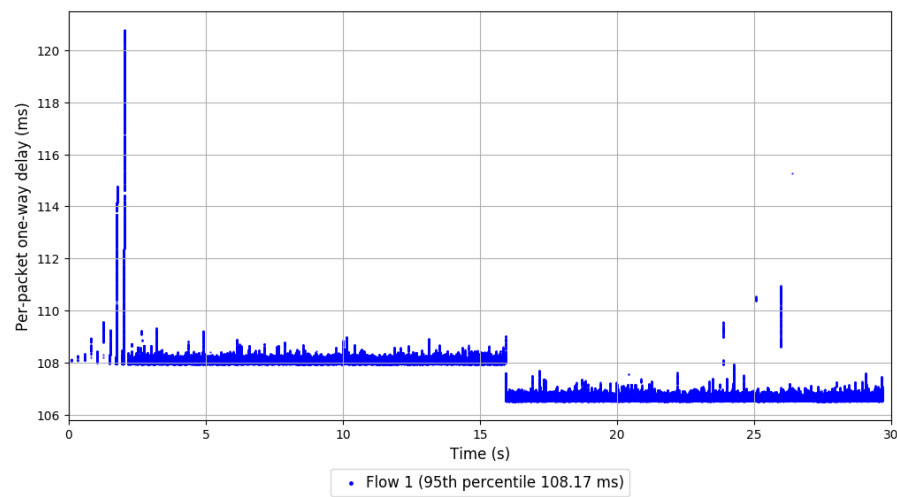
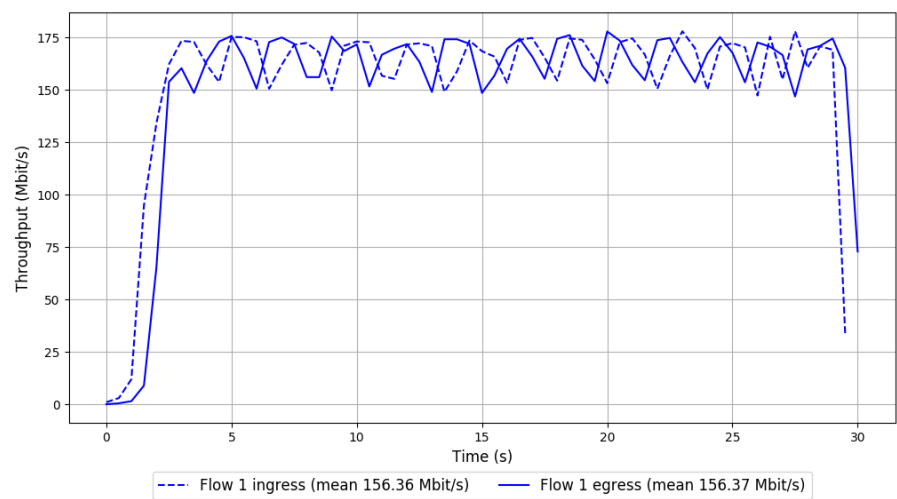
-- Flow 1:

Average throughput: 156.37 Mbit/s

95th percentile per-packet one-way delay: 108.165 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-27 20:11:05

End at: 2018-08-27 20:11:35

Local clock offset: -0.063 ms

Remote clock offset: 0.561 ms

Below is generated by plot.py at 2018-08-28 01:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.23 Mbit/s

95th percentile per-packet one-way delay: 113.245 ms

Loss rate: 0.00%

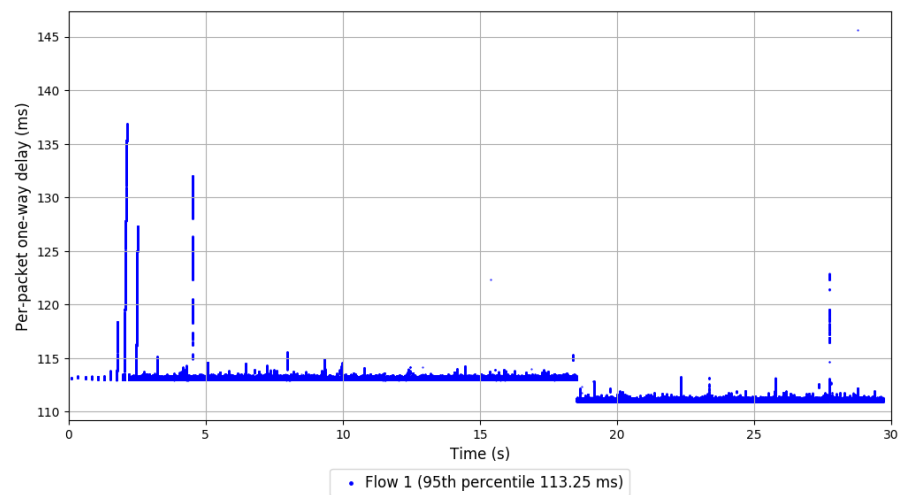
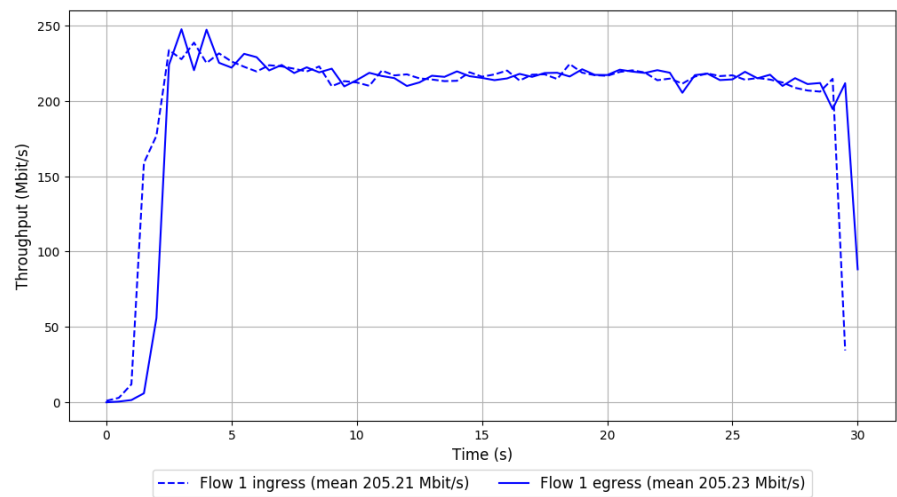
-- Flow 1:

Average throughput: 205.23 Mbit/s

95th percentile per-packet one-way delay: 113.245 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-27 20:35:35

End at: 2018-08-27 20:36:05

Local clock offset: -0.085 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-28 01:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.98 Mbit/s

95th percentile per-packet one-way delay: 111.852 ms

Loss rate: 0.00%

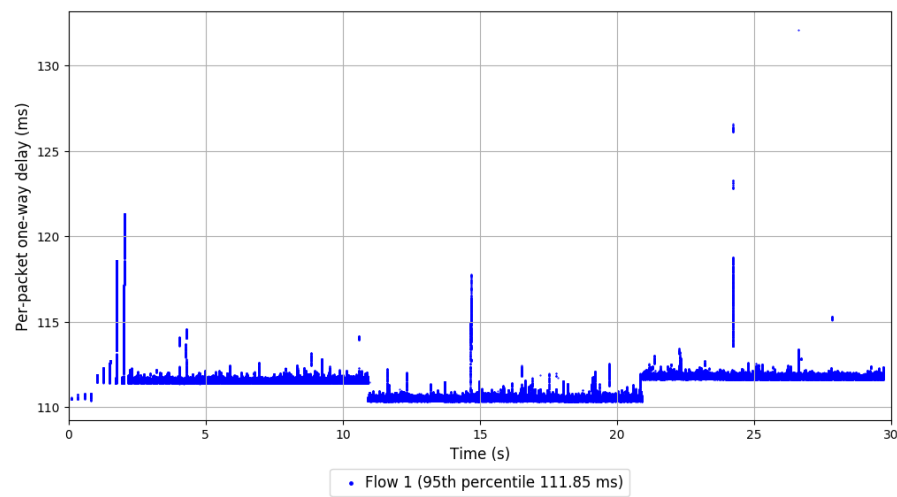
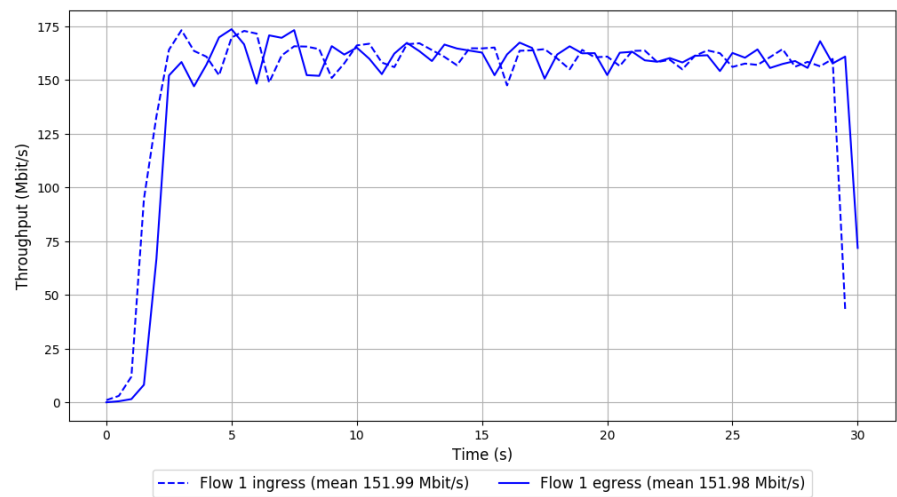
-- Flow 1:

Average throughput: 151.98 Mbit/s

95th percentile per-packet one-way delay: 111.852 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

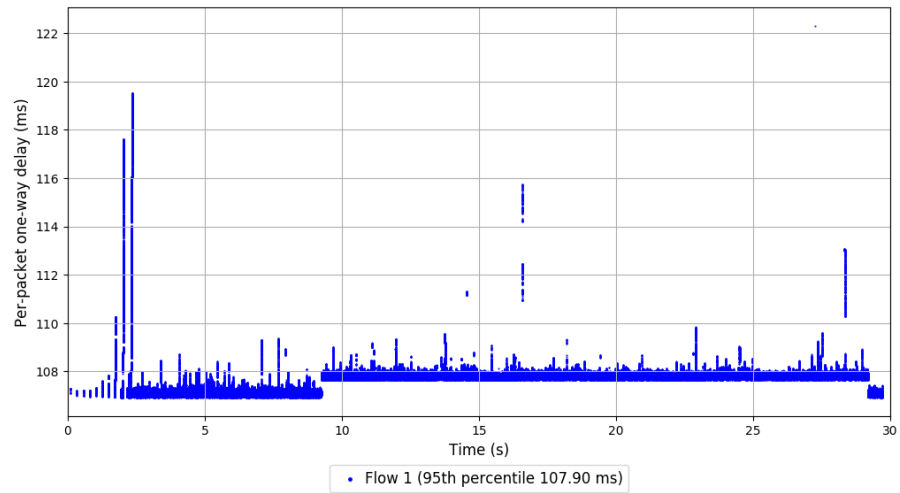
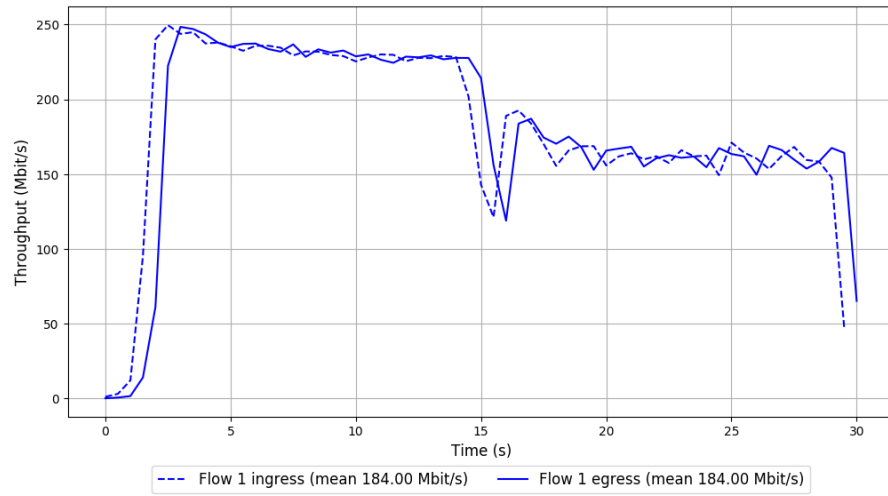


Run 4: Statistics of Indigo

Start at: 2018-08-27 20:59:56
End at: 2018-08-27 21:00:26
Local clock offset: 2.804 ms
Remote clock offset: -0.564 ms

Below is generated by plot.py at 2018-08-28 01:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.00 Mbit/s
95th percentile per-packet one-way delay: 107.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.00 Mbit/s
95th percentile per-packet one-way delay: 107.902 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-27 21:23:59

End at: 2018-08-27 21:24:29

Local clock offset: 2.874 ms

Remote clock offset: 2.388 ms

Below is generated by plot.py at 2018-08-28 01:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.12 Mbit/s

95th percentile per-packet one-way delay: 110.174 ms

Loss rate: 0.00%

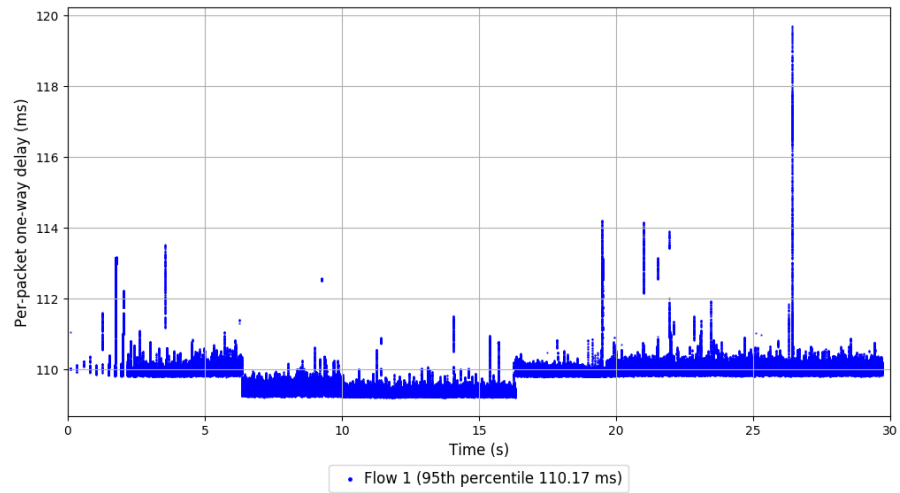
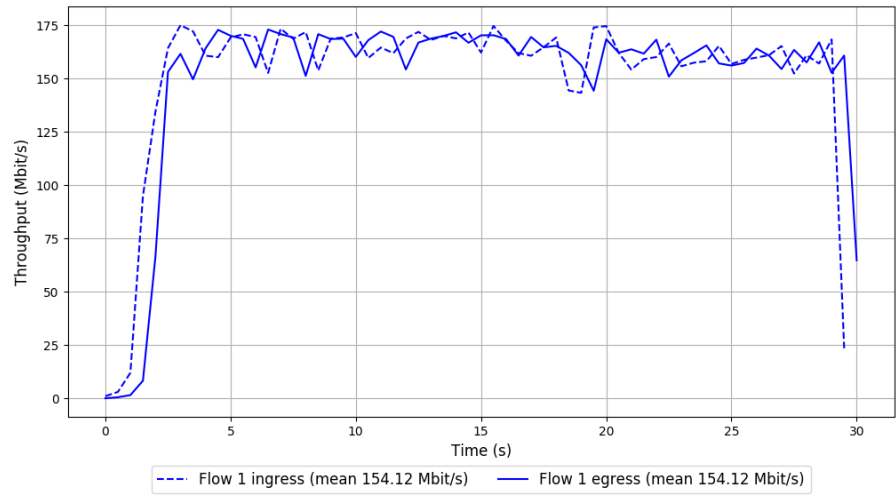
-- Flow 1:

Average throughput: 154.12 Mbit/s

95th percentile per-packet one-way delay: 110.174 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

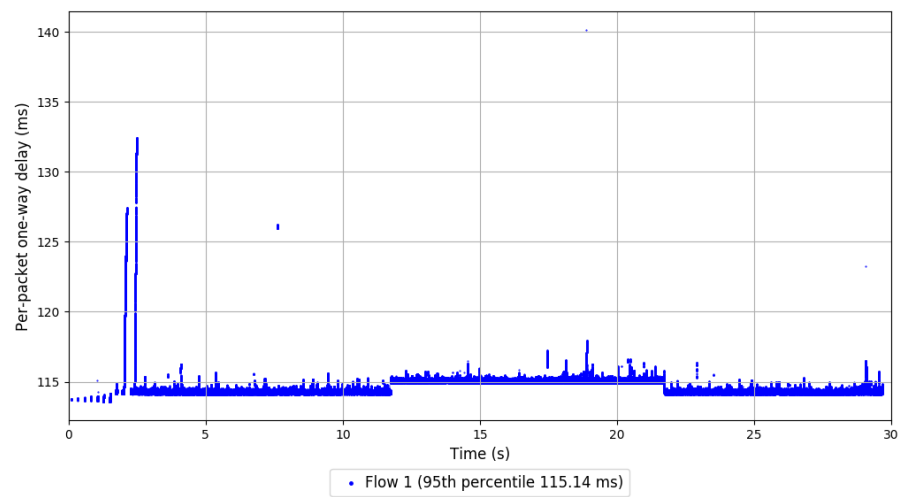
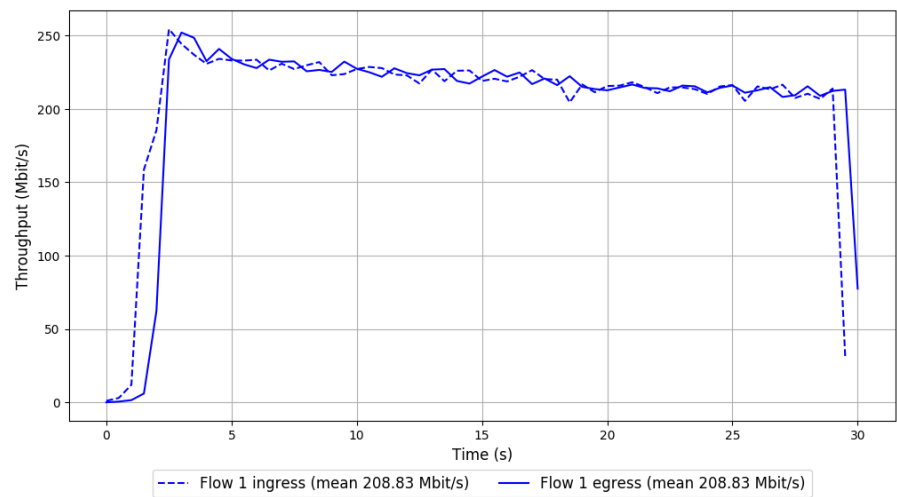


Run 6: Statistics of Indigo

Start at: 2018-08-27 21:48:24
End at: 2018-08-27 21:48:54
Local clock offset: -2.968 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-08-28 01:07:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.83 Mbit/s
95th percentile per-packet one-way delay: 115.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.83 Mbit/s
95th percentile per-packet one-way delay: 115.144 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-27 22:12:38

End at: 2018-08-27 22:13:08

Local clock offset: 2.771 ms

Remote clock offset: 1.6 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.21 Mbit/s

95th percentile per-packet one-way delay: 111.037 ms

Loss rate: 0.00%

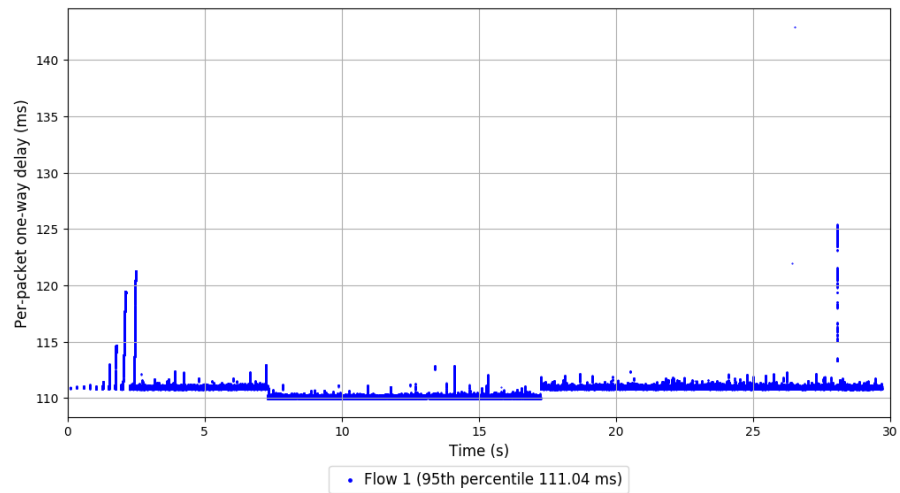
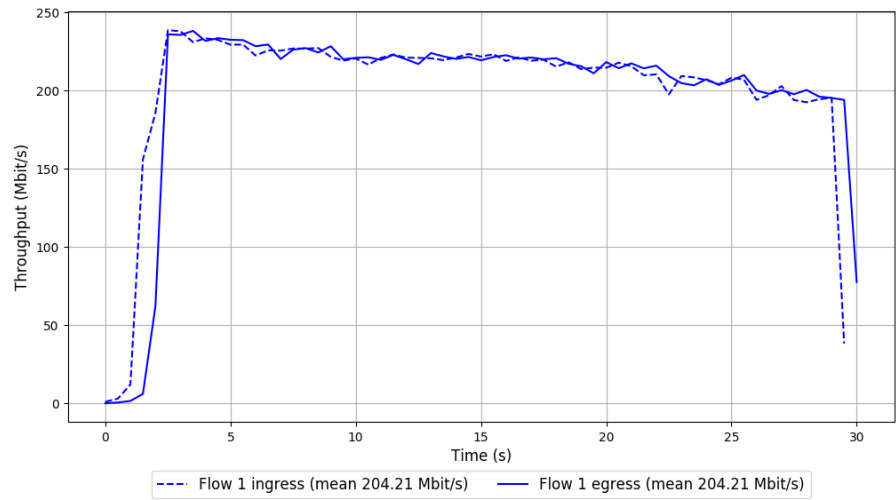
-- Flow 1:

Average throughput: 204.21 Mbit/s

95th percentile per-packet one-way delay: 111.037 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-27 22:36:31

End at: 2018-08-27 22:37:01

Local clock offset: -2.886 ms

Remote clock offset: 1.505 ms

Below is generated by plot.py at 2018-08-28 01:09:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.01 Mbit/s

95th percentile per-packet one-way delay: 115.040 ms

Loss rate: 0.00%

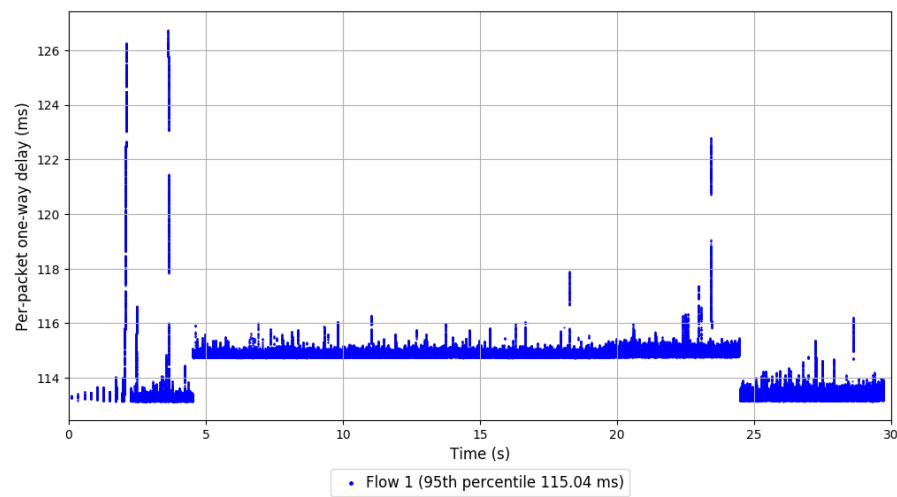
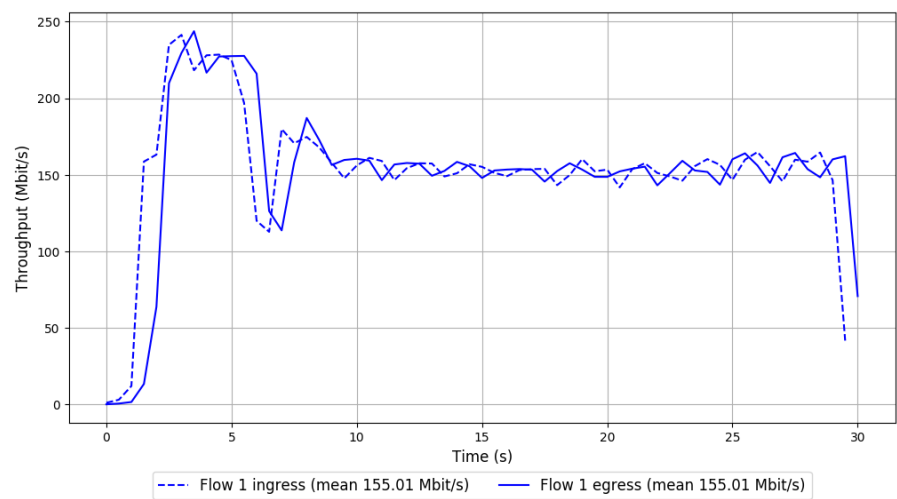
-- Flow 1:

Average throughput: 155.01 Mbit/s

95th percentile per-packet one-way delay: 115.040 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

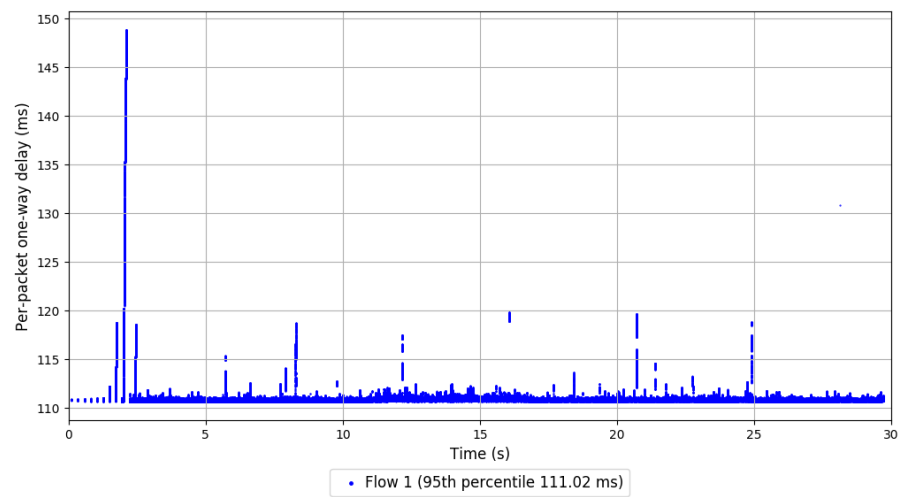
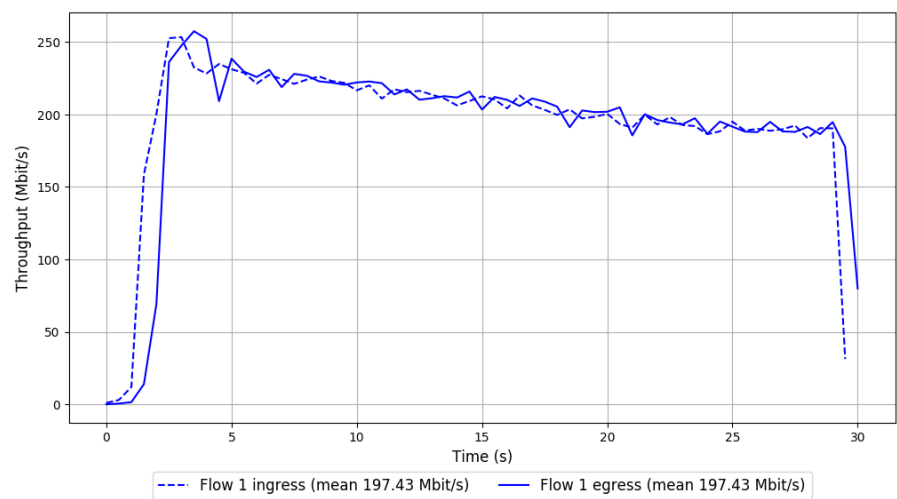


Run 9: Statistics of Indigo

Start at: 2018-08-27 23:00:46
End at: 2018-08-27 23:01:16
Local clock offset: -0.081 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-08-28 01:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.43 Mbit/s
95th percentile per-packet one-way delay: 111.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.43 Mbit/s
95th percentile per-packet one-way delay: 111.019 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

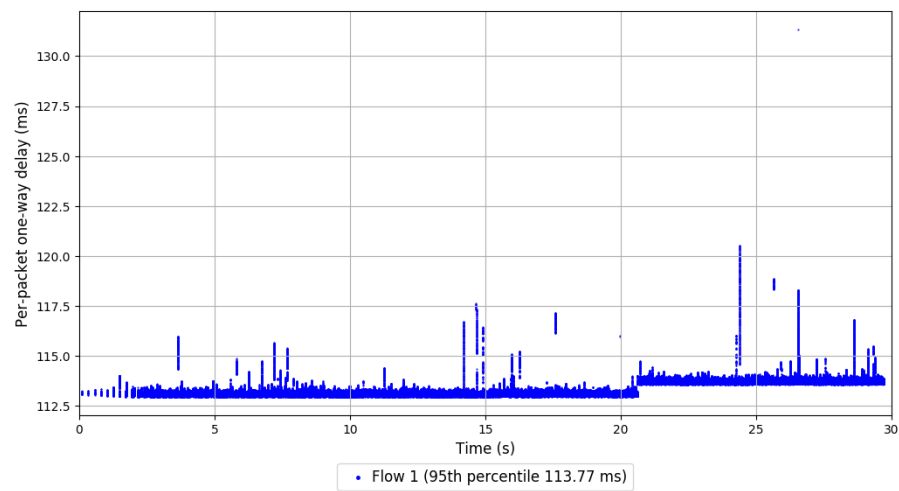
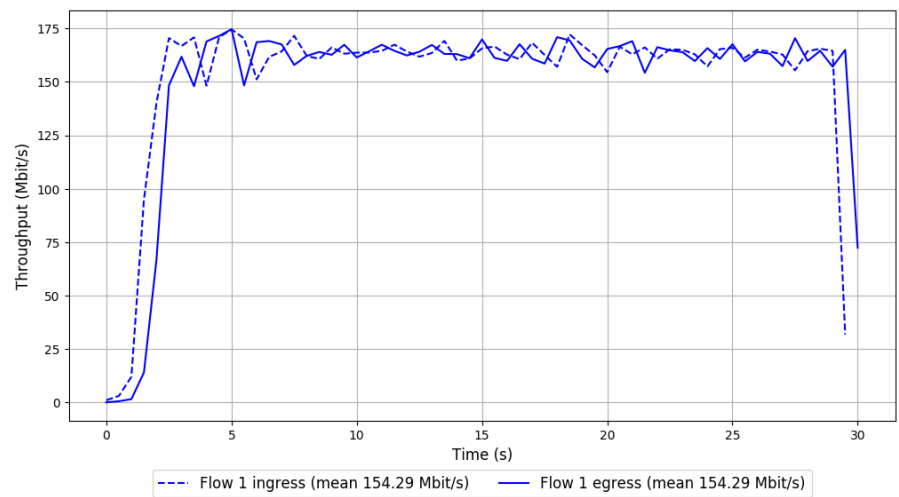


Run 10: Statistics of Indigo

Start at: 2018-08-27 23:25:15
End at: 2018-08-27 23:25:45
Local clock offset: -2.824 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-08-28 01:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.29 Mbit/s
95th percentile per-packet one-way delay: 113.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.29 Mbit/s
95th percentile per-packet one-way delay: 113.771 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

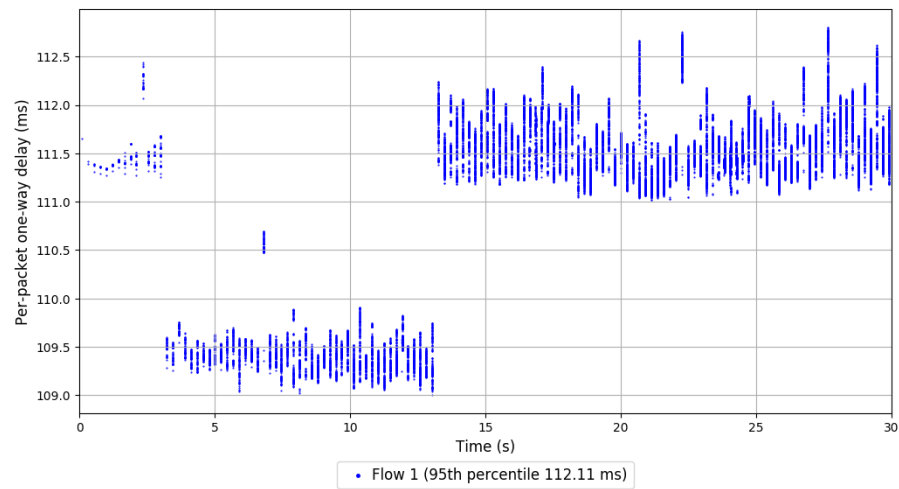
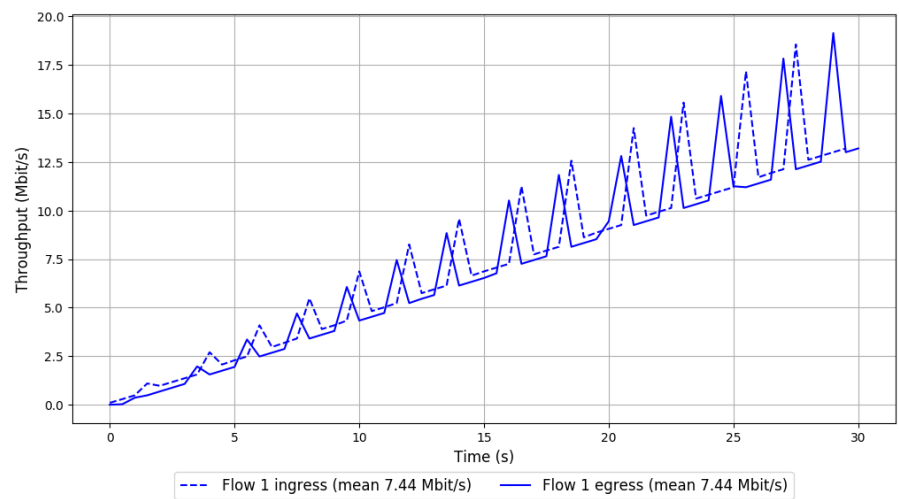


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-27 19:47:53
End at: 2018-08-27 19:48:23
Local clock offset: -0.092 ms
Remote clock offset: -0.453 ms

# Below is generated by plot.py at 2018-08-28 01:10:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 112.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 112.112 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

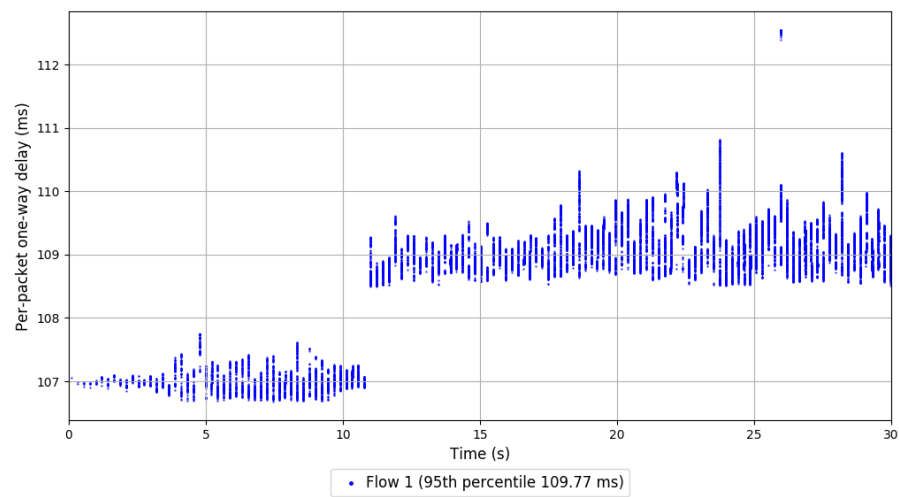
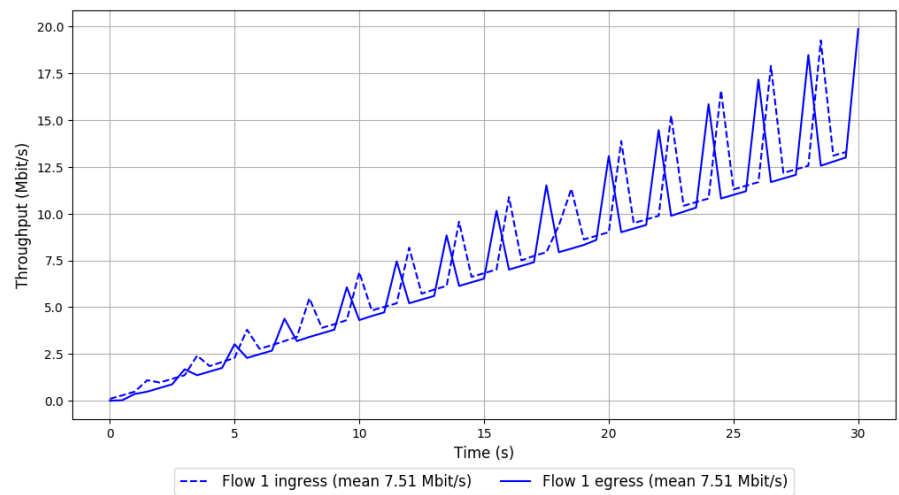


```
Run 2: Statistics of LEDBAT

Start at: 2018-08-27 20:12:33
End at: 2018-08-27 20:13:03
Local clock offset: 2.714 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-08-28 01:10:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 109.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 109.772 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-27 20:36:58

End at: 2018-08-27 20:37:28

Local clock offset: 0.009 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-28 01:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 113.741 ms

Loss rate: 0.00%

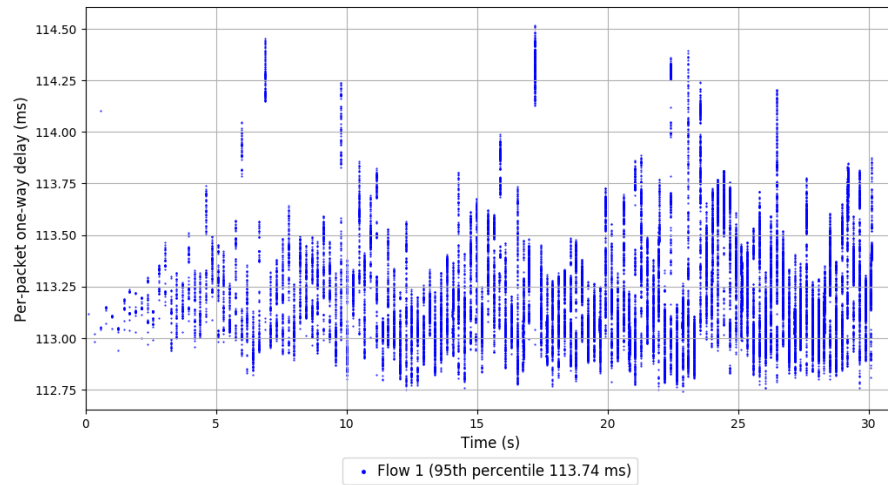
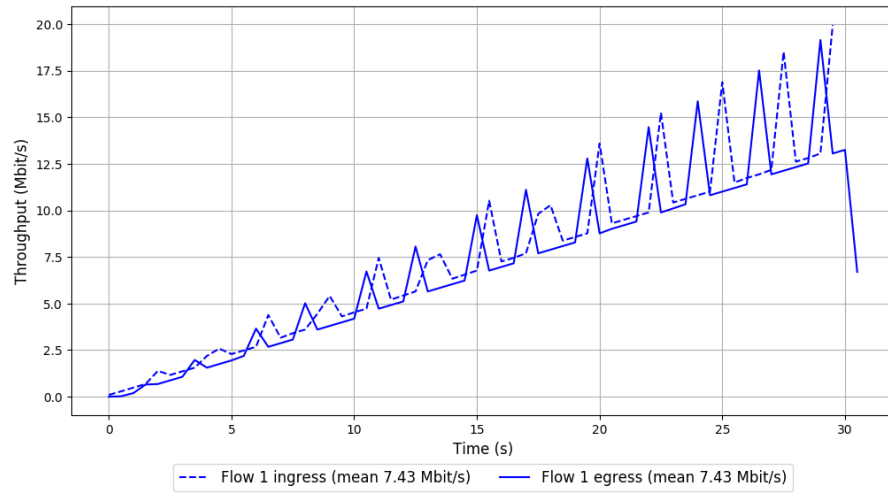
-- Flow 1:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 113.741 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-27 21:01:22

End at: 2018-08-27 21:01:52

Local clock offset: -2.838 ms

Remote clock offset: 2.712 ms

Below is generated by plot.py at 2018-08-28 01:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 116.755 ms

Loss rate: 0.00%

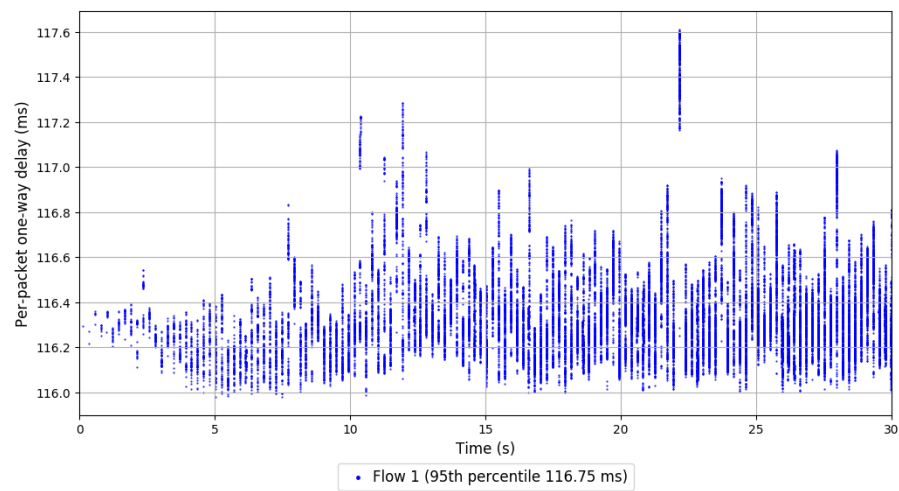
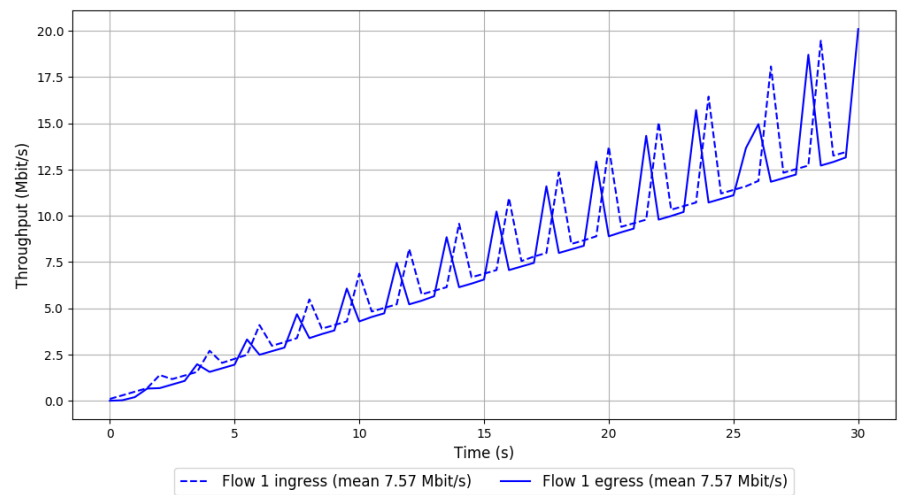
-- Flow 1:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 116.755 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-27 21:25:23

End at: 2018-08-27 21:25:53

Local clock offset: -2.794 ms

Remote clock offset: 0.522 ms

Below is generated by plot.py at 2018-08-28 01:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 116.519 ms

Loss rate: 0.01%

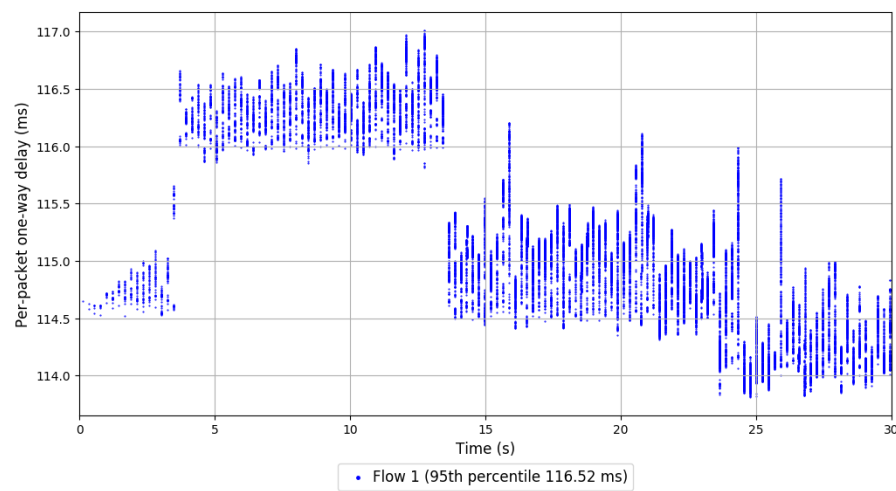
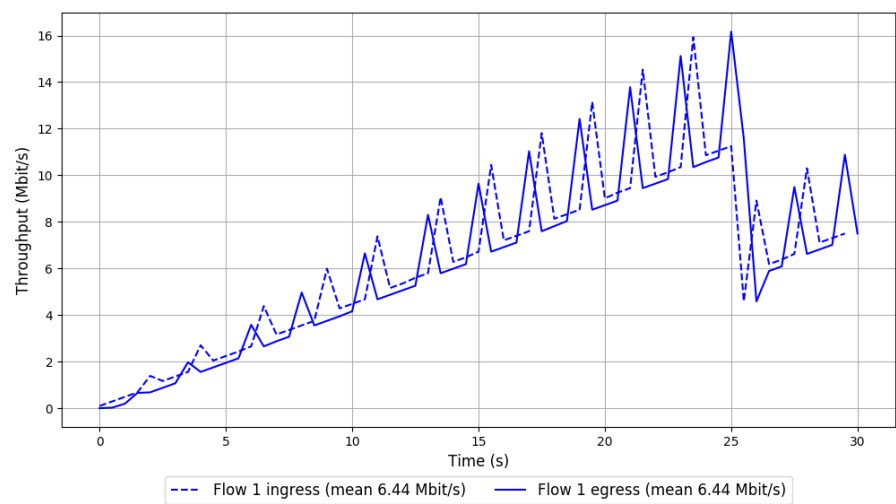
-- Flow 1:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 116.519 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

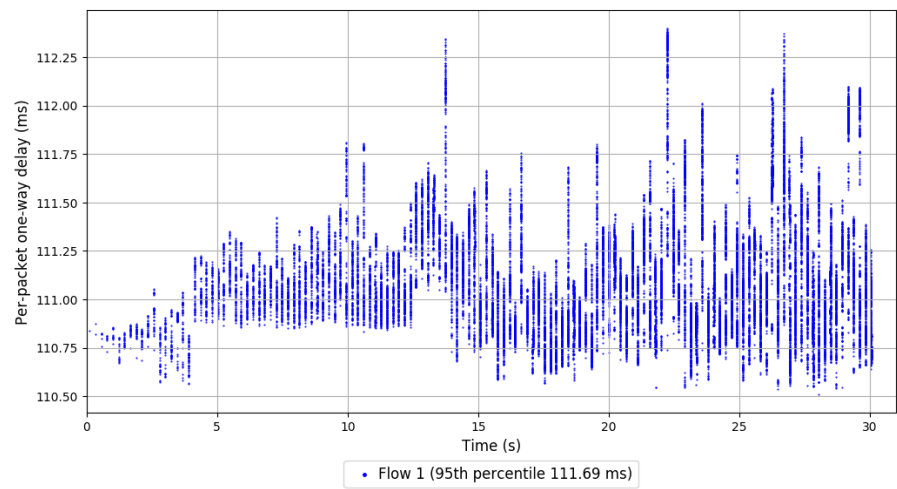
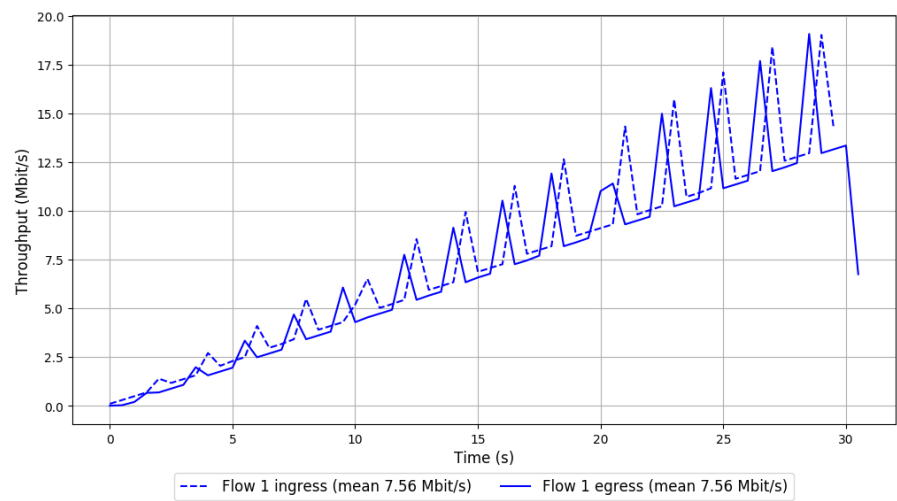


Run 6: Statistics of LEDBAT

Start at: 2018-08-27 21:49:52
End at: 2018-08-27 21:50:22
Local clock offset: -0.157 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-28 01:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 111.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 111.686 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-27 22:14:06

End at: 2018-08-27 22:14:36

Local clock offset: -2.915 ms

Remote clock offset: 1.744 ms

Below is generated by plot.py at 2018-08-28 01:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 117.244 ms

Loss rate: 0.00%

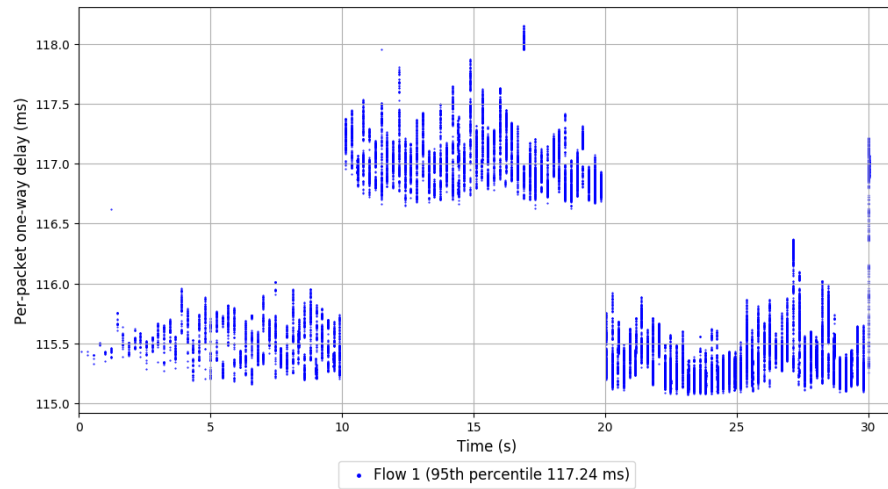
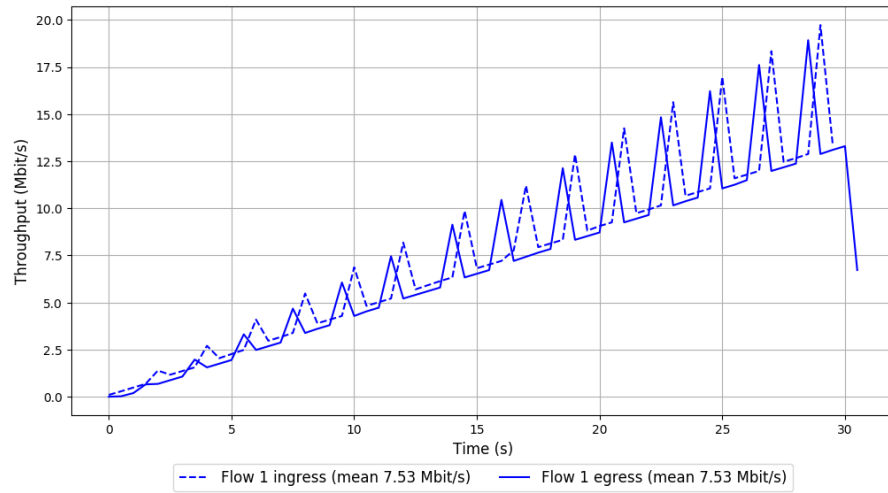
-- Flow 1:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 117.244 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

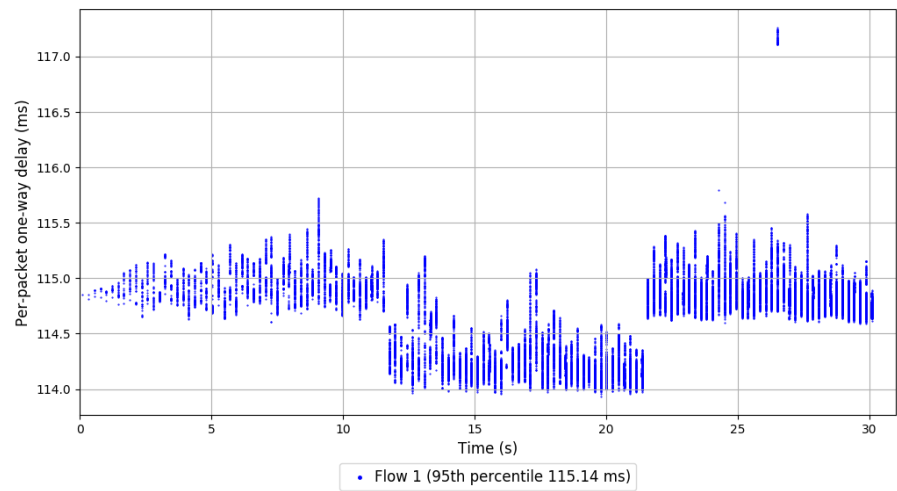
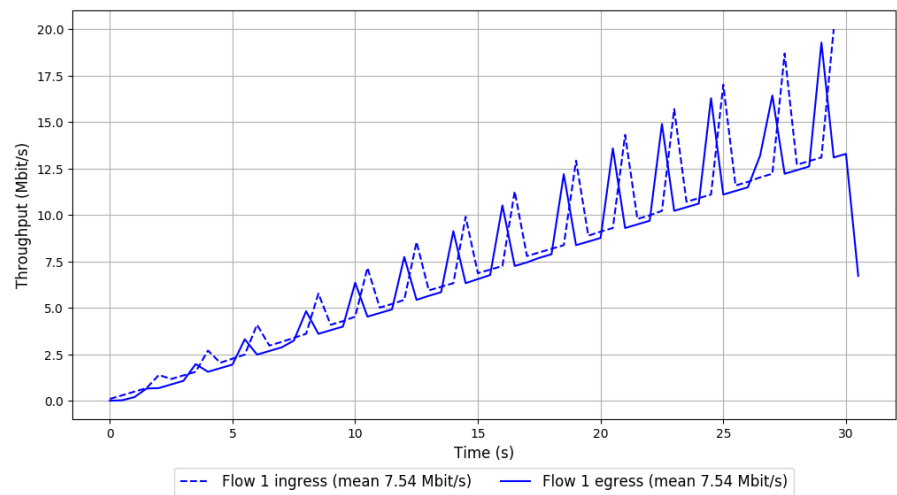


Run 8: Statistics of LEDBAT

Start at: 2018-08-27 22:37:55
End at: 2018-08-27 22:38:25
Local clock offset: -2.854 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-08-28 01:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 115.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 115.143 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

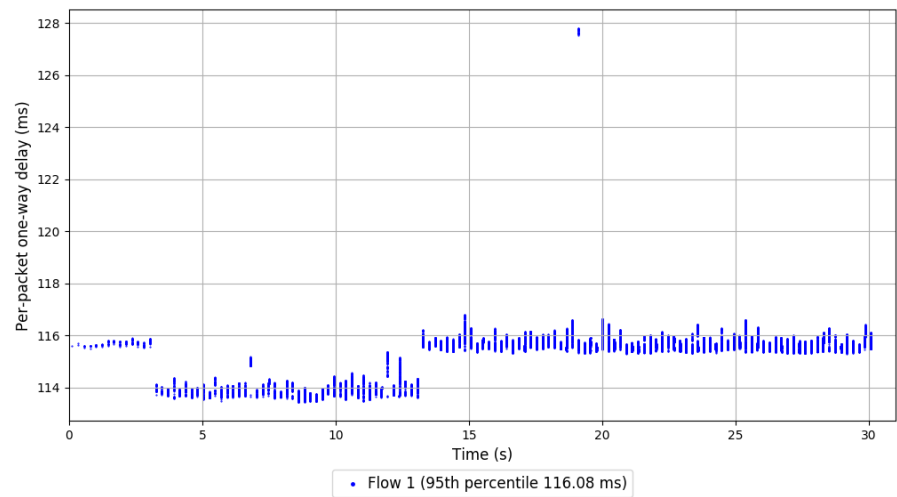
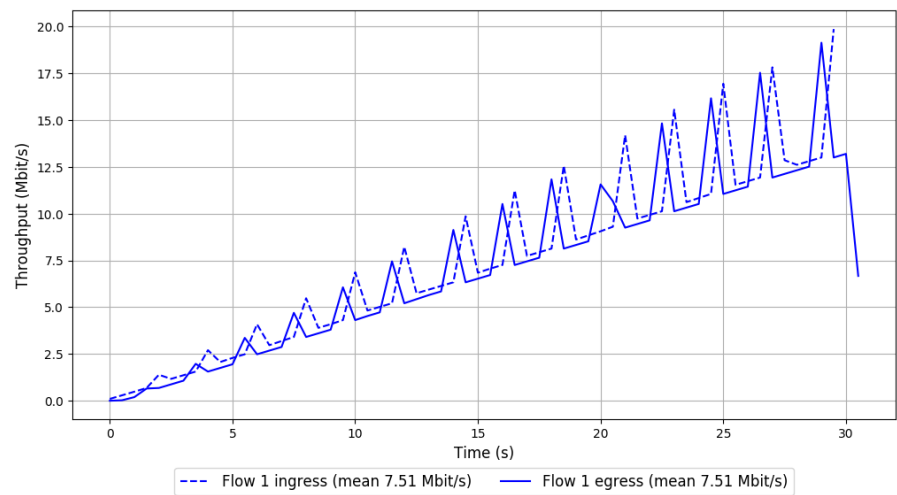


Run 9: Statistics of LEDBAT

Start at: 2018-08-27 23:02:13
End at: 2018-08-27 23:02:43
Local clock offset: -2.789 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-28 01:10:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 116.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 116.085 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-27 23:26:38

End at: 2018-08-27 23:27:08

Local clock offset: 0.088 ms

Remote clock offset: 1.622 ms

Below is generated by plot.py at 2018-08-28 01:10:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 112.340 ms

Loss rate: 0.00%

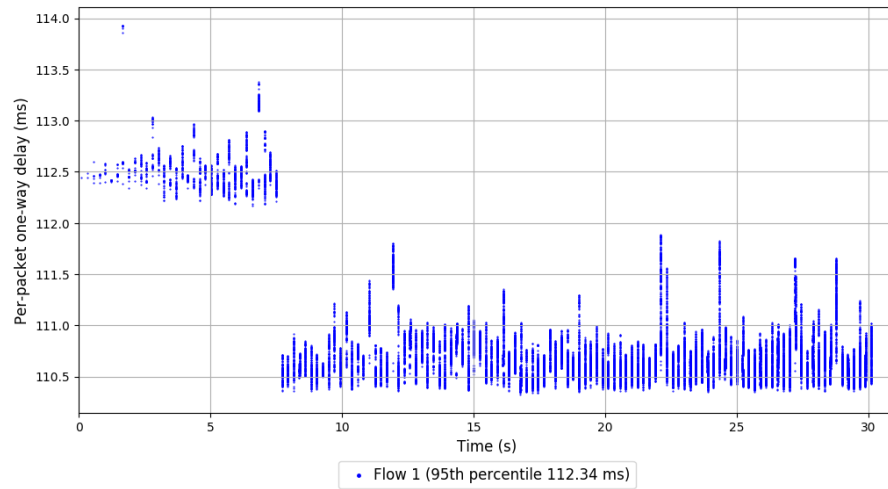
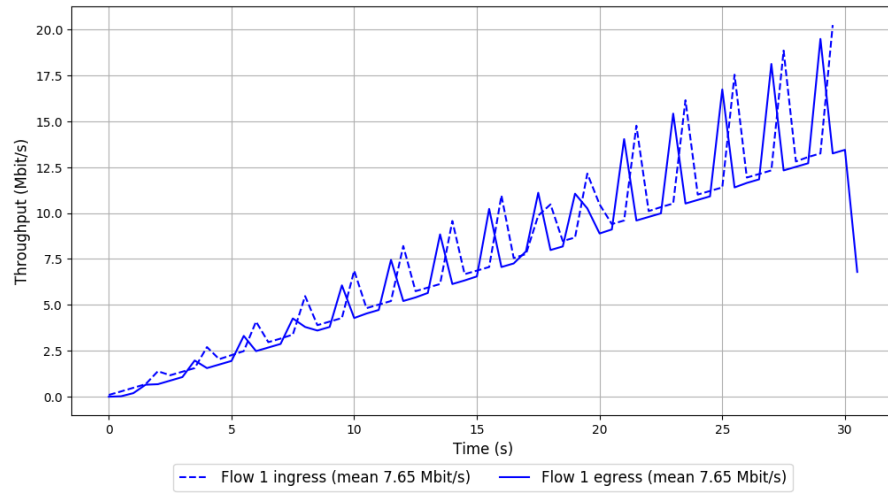
-- Flow 1:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 112.340 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-27 19:43:43

End at: 2018-08-27 19:44:13

Local clock offset: -0.014 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-28 01:22:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 439.26 Mbit/s

95th percentile per-packet one-way delay: 214.124 ms

Loss rate: 1.99%

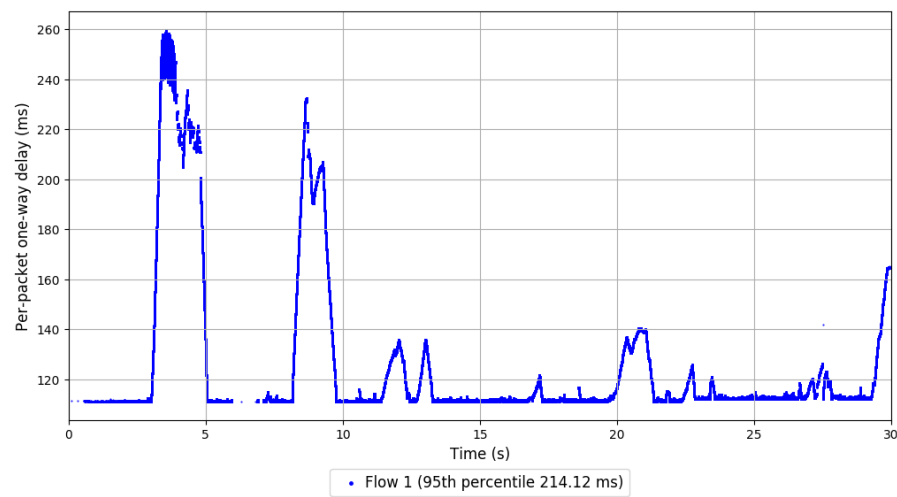
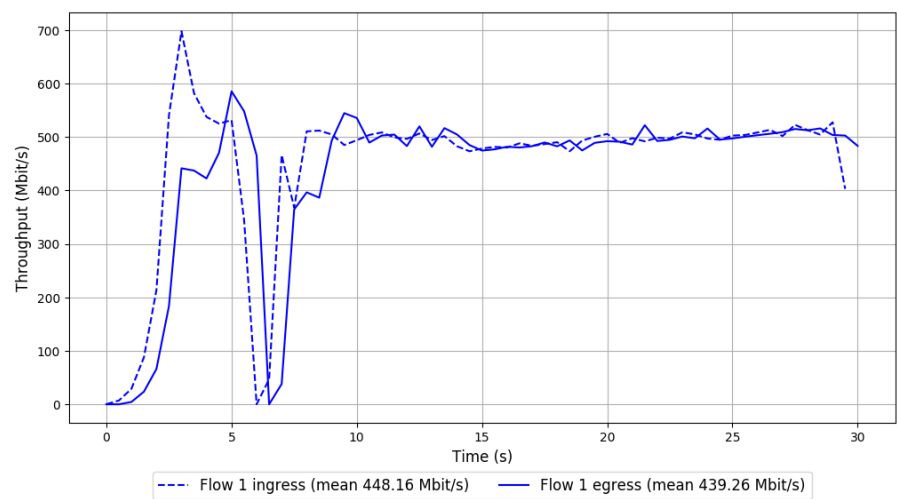
-- Flow 1:

Average throughput: 439.26 Mbit/s

95th percentile per-packet one-way delay: 214.124 ms

Loss rate: 1.99%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-27 20:08:16

End at: 2018-08-27 20:08:47

Local clock offset: -2.891 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-28 01:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.61 Mbit/s

95th percentile per-packet one-way delay: 215.510 ms

Loss rate: 1.34%

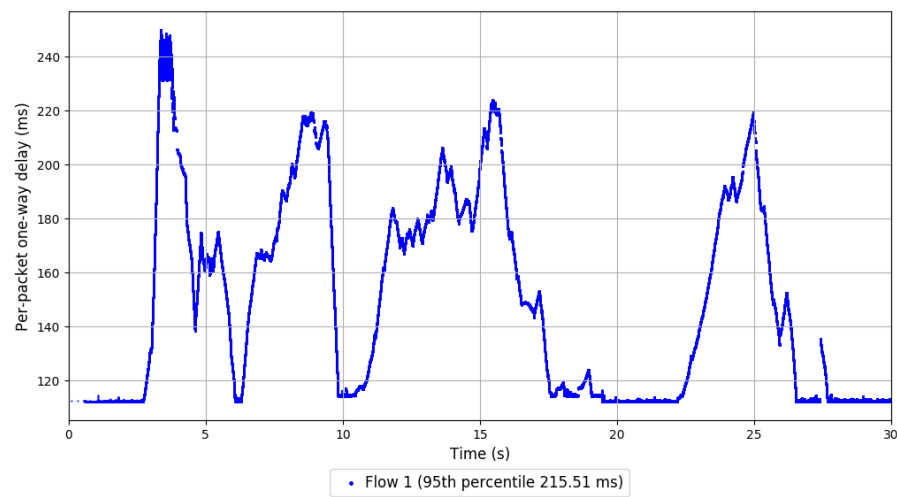
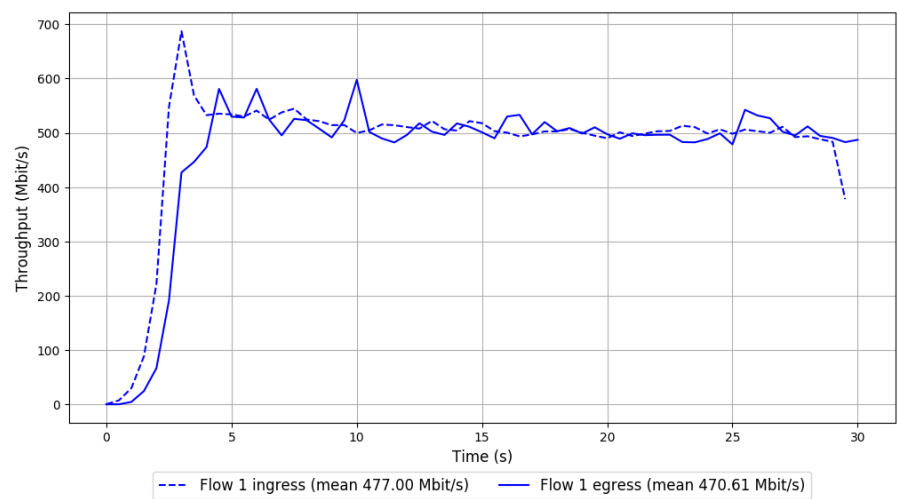
-- Flow 1:

Average throughput: 470.61 Mbit/s

95th percentile per-packet one-way delay: 215.510 ms

Loss rate: 1.34%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-27 20:32:48

End at: 2018-08-27 20:33:18

Local clock offset: 0.009 ms

Remote clock offset: 0.545 ms

Below is generated by plot.py at 2018-08-28 01:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.05 Mbit/s

95th percentile per-packet one-way delay: 218.552 ms

Loss rate: 2.79%

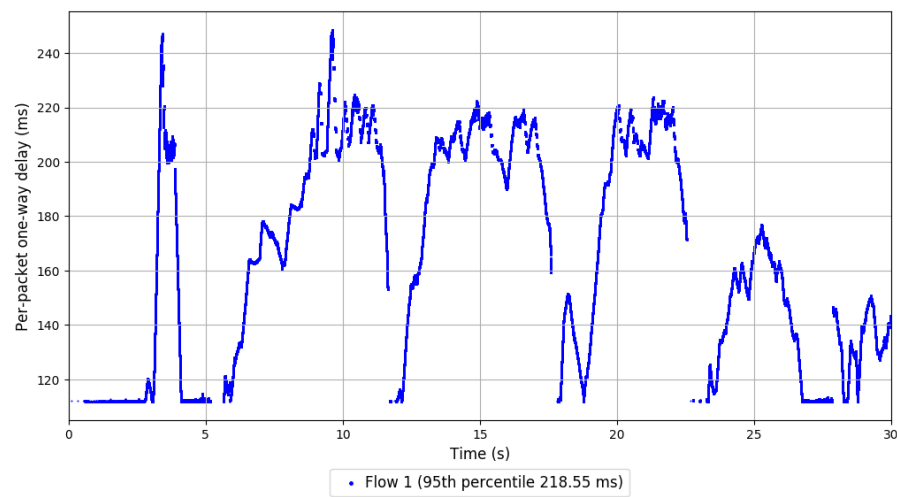
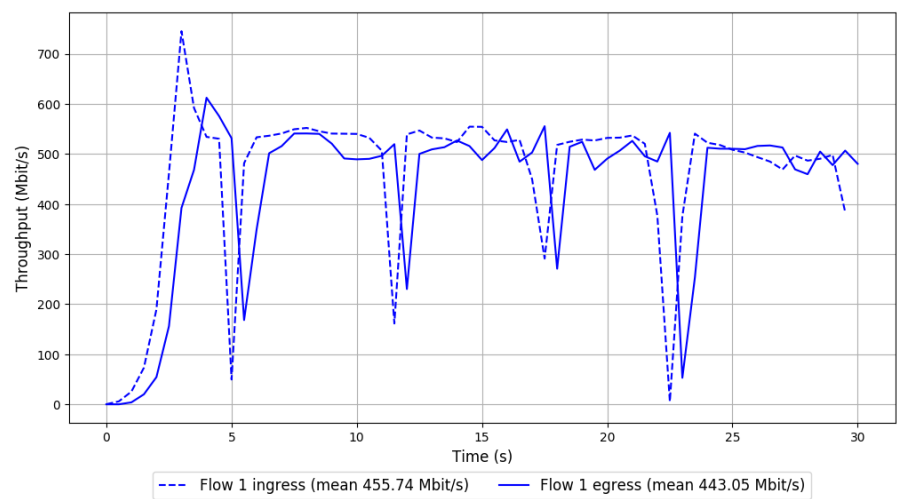
-- Flow 1:

Average throughput: 443.05 Mbit/s

95th percentile per-packet one-way delay: 218.552 ms

Loss rate: 2.79%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-27 20:57:09

End at: 2018-08-27 20:57:39

Local clock offset: -2.918 ms

Remote clock offset: 2.752 ms

Below is generated by plot.py at 2018-08-28 01:23:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.45 Mbit/s

95th percentile per-packet one-way delay: 221.631 ms

Loss rate: 1.58%

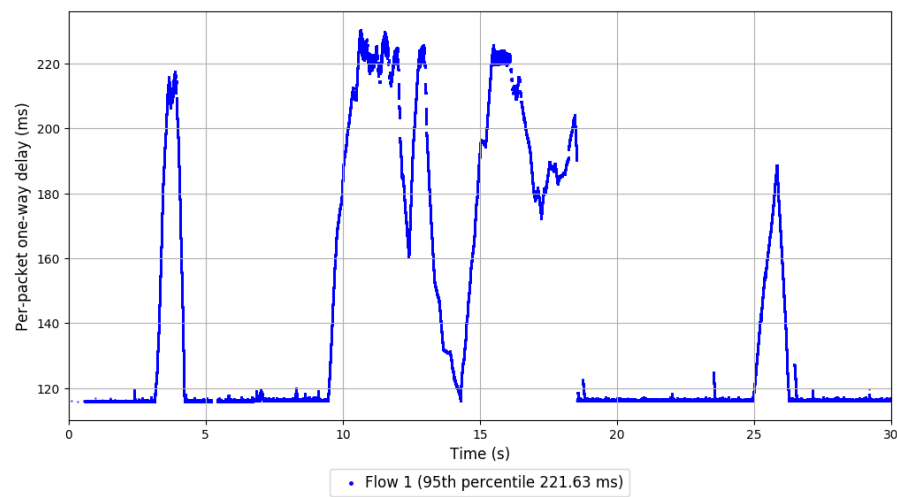
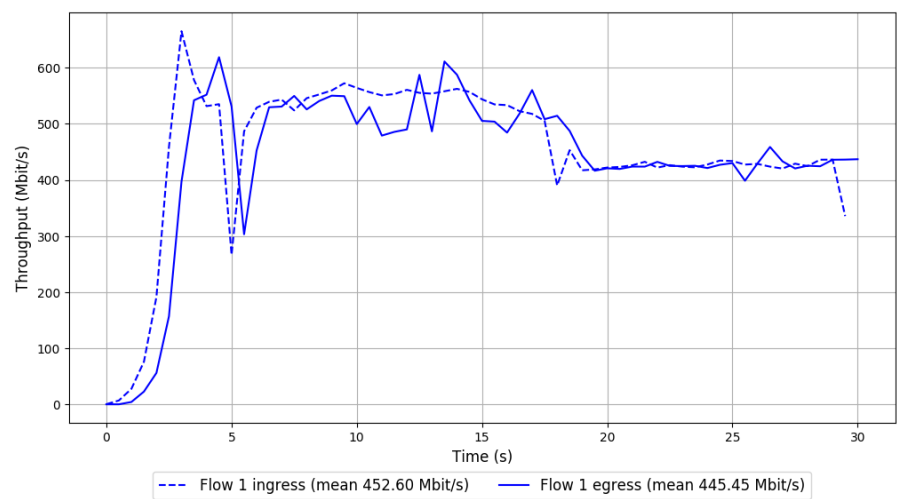
-- Flow 1:

Average throughput: 445.45 Mbit/s

95th percentile per-packet one-way delay: 221.631 ms

Loss rate: 1.58%

Run 4: Report of PCC-Allegro — Data Link

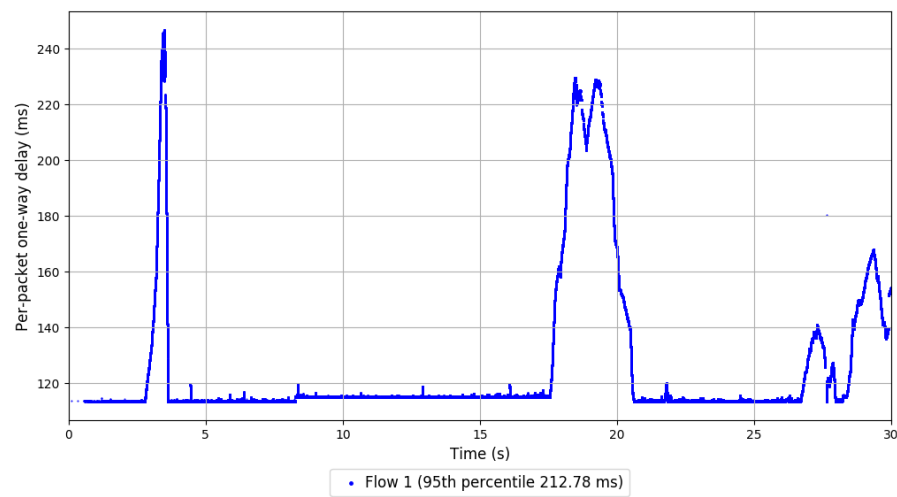
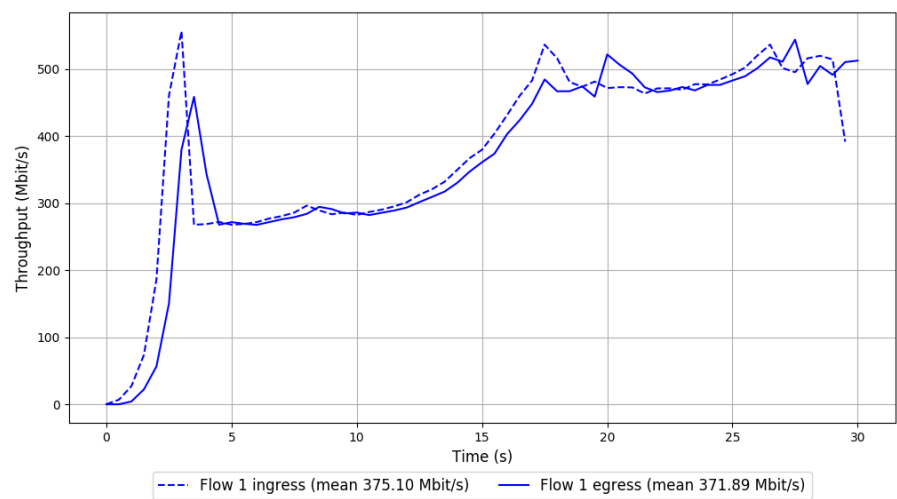


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-27 21:21:18
End at: 2018-08-27 21:21:48
Local clock offset: -2.904 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-08-28 01:23:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.89 Mbit/s
95th percentile per-packet one-way delay: 212.778 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 371.89 Mbit/s
95th percentile per-packet one-way delay: 212.778 ms
Loss rate: 0.86%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-27 21:45:38

End at: 2018-08-27 21:46:08

Local clock offset: 0.03 ms

Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-08-28 01:24:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.96 Mbit/s

95th percentile per-packet one-way delay: 218.403 ms

Loss rate: 2.41%

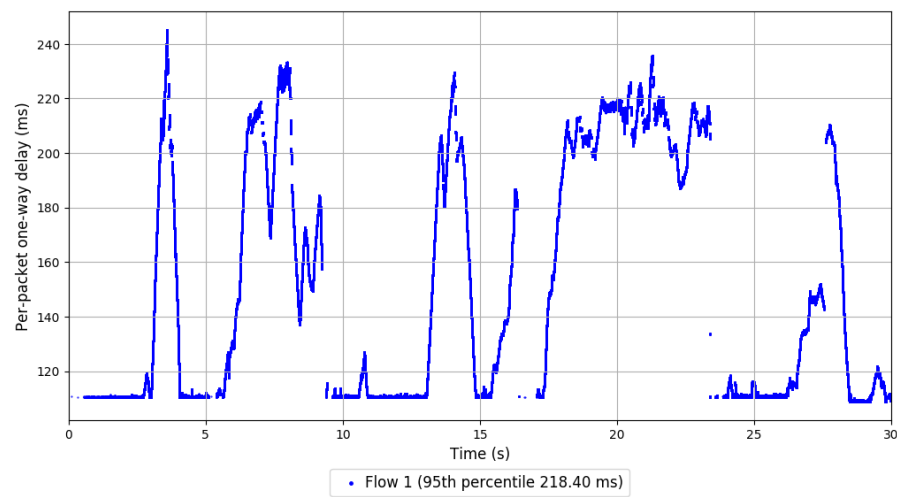
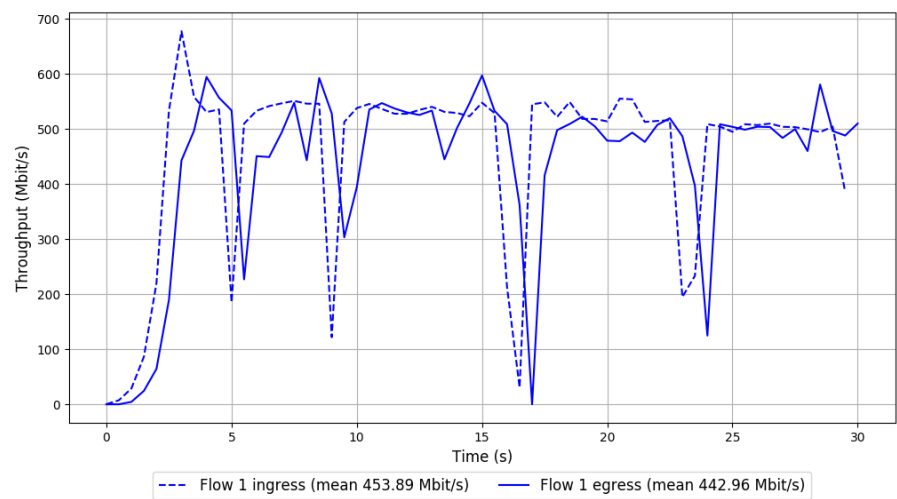
-- Flow 1:

Average throughput: 442.96 Mbit/s

95th percentile per-packet one-way delay: 218.403 ms

Loss rate: 2.41%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-27 22:09:52

End at: 2018-08-27 22:10:23

Local clock offset: 2.746 ms

Remote clock offset: 1.53 ms

Below is generated by plot.py at 2018-08-28 01:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 426.40 Mbit/s

95th percentile per-packet one-way delay: 225.722 ms

Loss rate: 5.16%

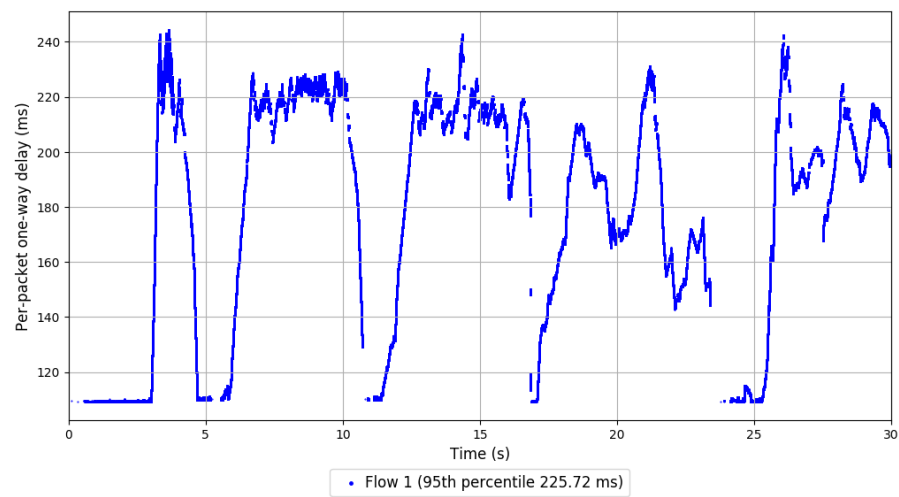
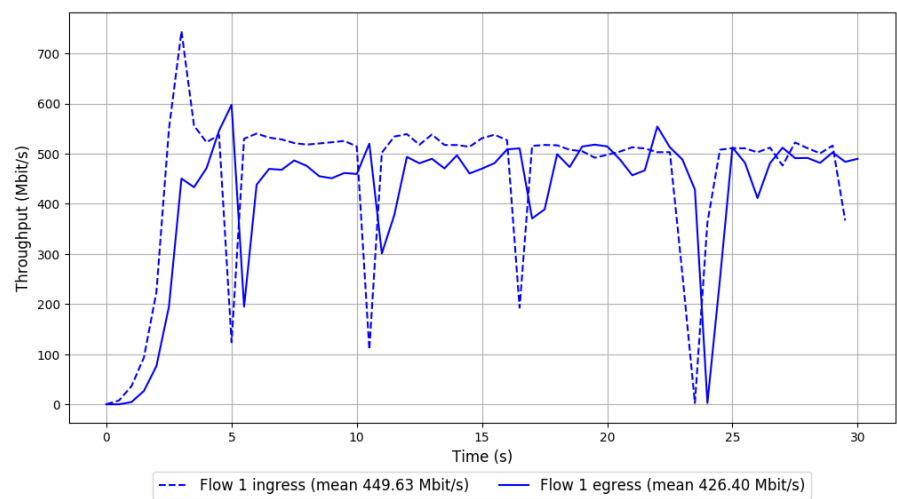
-- Flow 1:

Average throughput: 426.40 Mbit/s

95th percentile per-packet one-way delay: 225.722 ms

Loss rate: 5.16%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-27 22:33:47

End at: 2018-08-27 22:34:17

Local clock offset: -2.879 ms

Remote clock offset: 1.585 ms

Below is generated by plot.py at 2018-08-28 01:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.34 Mbit/s

95th percentile per-packet one-way delay: 214.144 ms

Loss rate: 0.67%

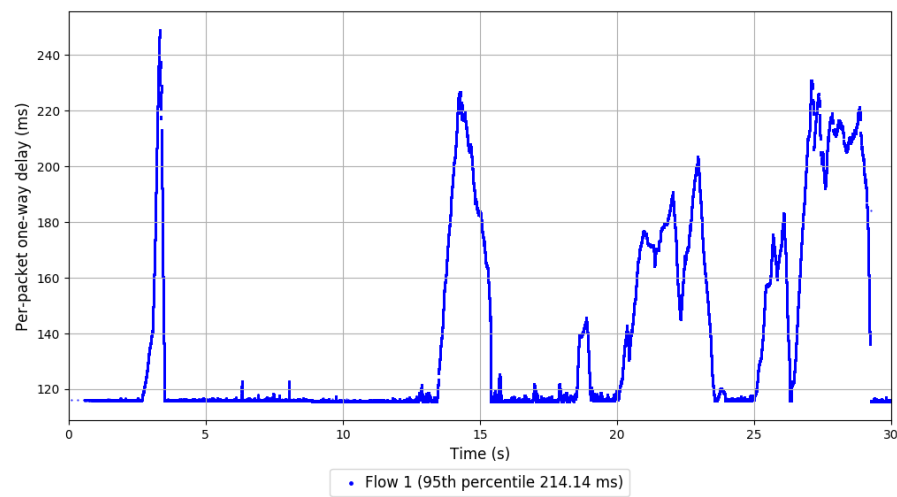
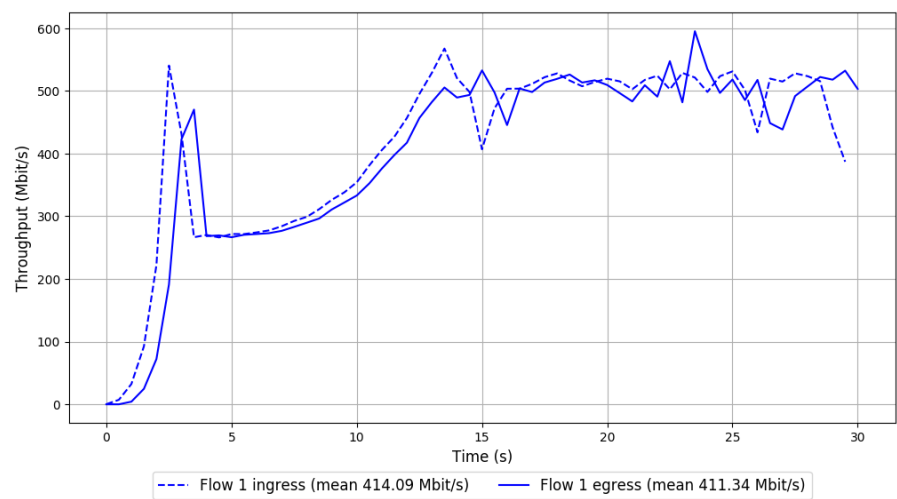
-- Flow 1:

Average throughput: 411.34 Mbit/s

95th percentile per-packet one-way delay: 214.144 ms

Loss rate: 0.67%

Run 8: Report of PCC-Allegro — Data Link

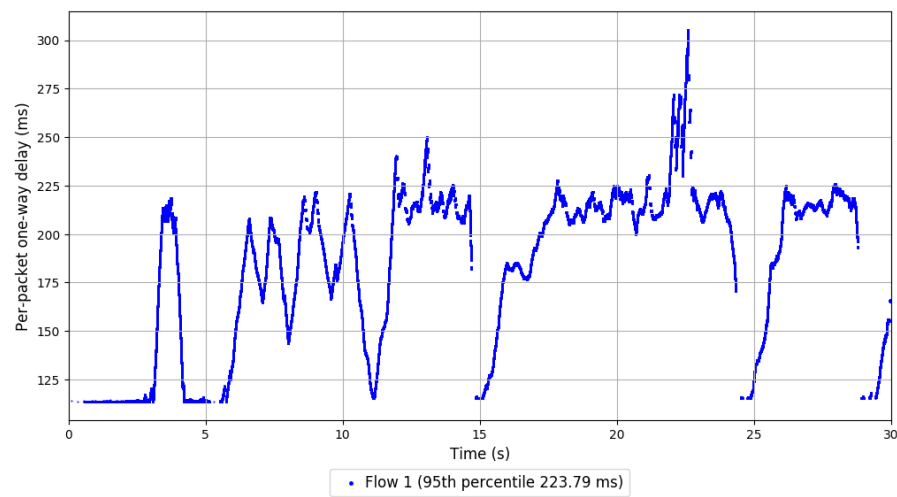
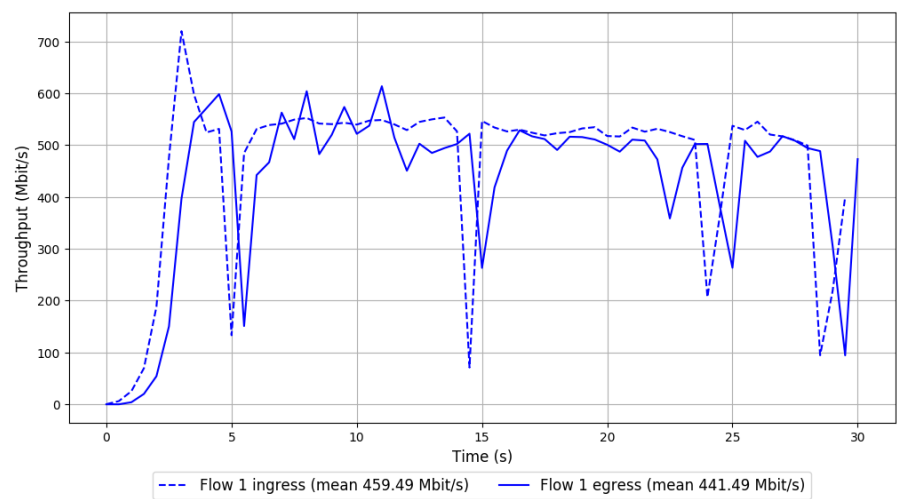


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-27 22:57:59
End at: 2018-08-27 22:58:29
Local clock offset: -2.824 ms
Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-08-28 01:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 441.49 Mbit/s
95th percentile per-packet one-way delay: 223.792 ms
Loss rate: 3.91%
-- Flow 1:
Average throughput: 441.49 Mbit/s
95th percentile per-packet one-way delay: 223.792 ms
Loss rate: 3.91%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-27 23:22:33

End at: 2018-08-27 23:23:03

Local clock offset: 2.925 ms

Remote clock offset: 1.574 ms

Below is generated by plot.py at 2018-08-28 01:36:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.98 Mbit/s

95th percentile per-packet one-way delay: 218.640 ms

Loss rate: 2.67%

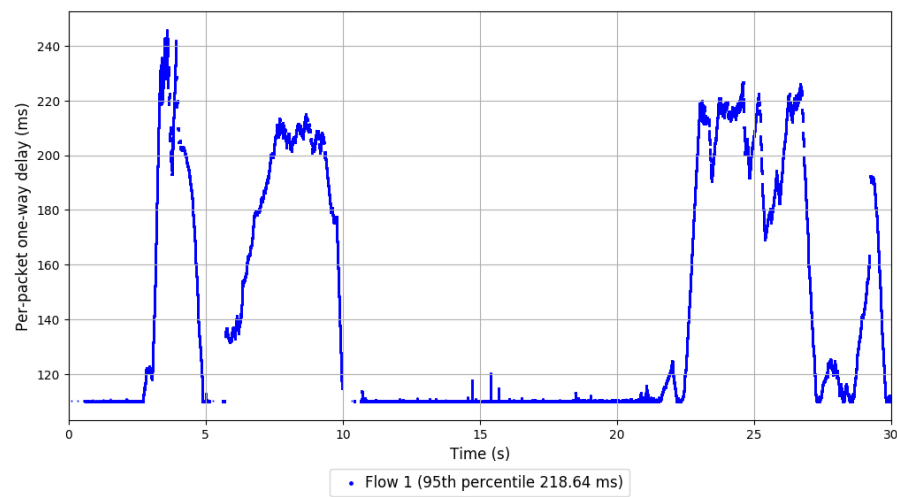
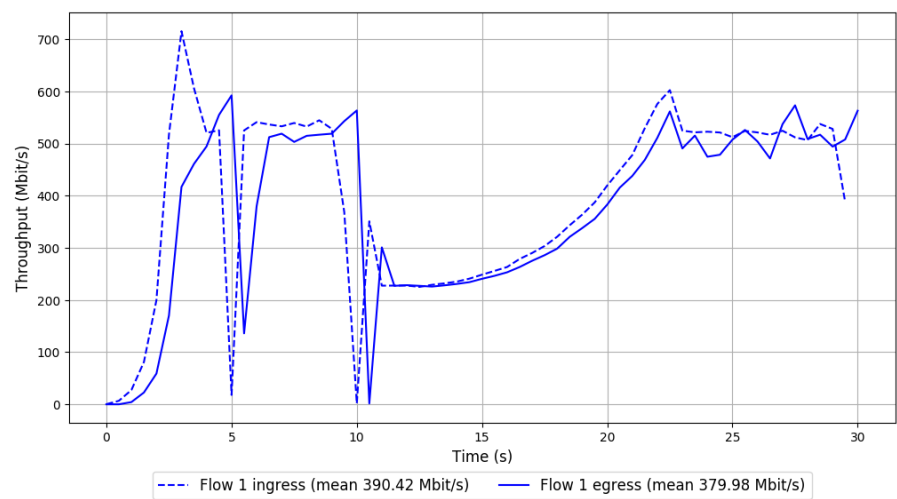
-- Flow 1:

Average throughput: 379.98 Mbit/s

95th percentile per-packet one-way delay: 218.640 ms

Loss rate: 2.67%

Run 10: Report of PCC-Allegro — Data Link

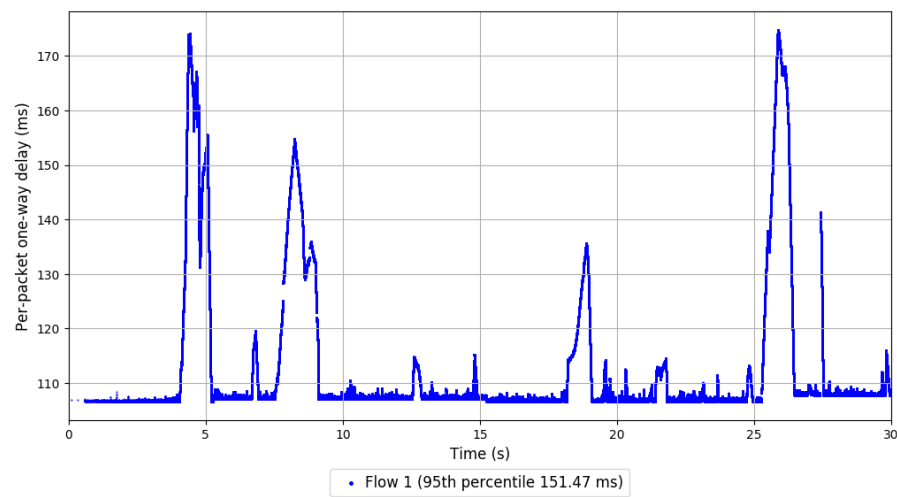
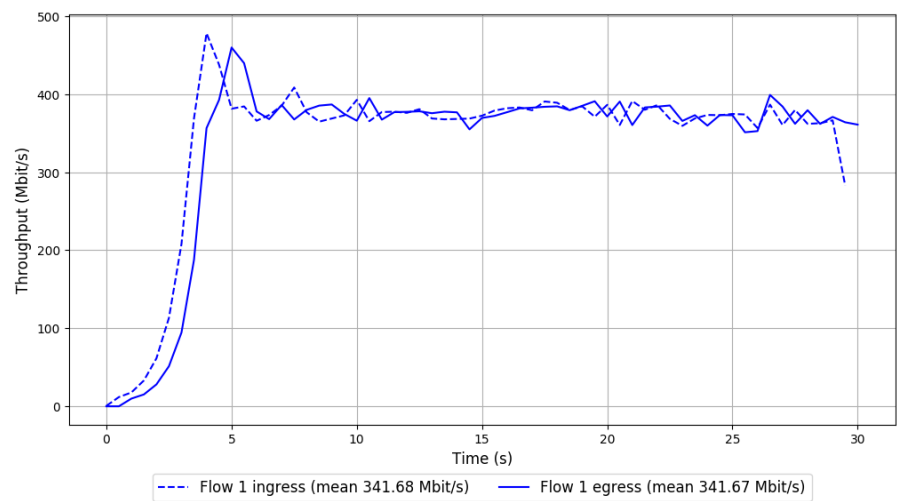


Run 1: Statistics of PCC-Expr

Start at: 2018-08-27 19:36:11
End at: 2018-08-27 19:36:41
Local clock offset: 2.849 ms
Remote clock offset: -0.499 ms

Below is generated by plot.py at 2018-08-28 01:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.67 Mbit/s
95th percentile per-packet one-way delay: 151.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.67 Mbit/s
95th percentile per-packet one-way delay: 151.475 ms
Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

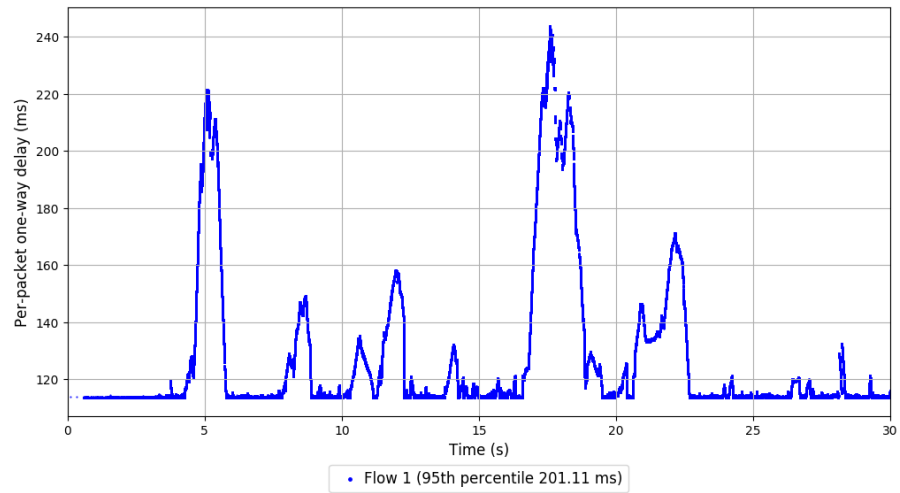
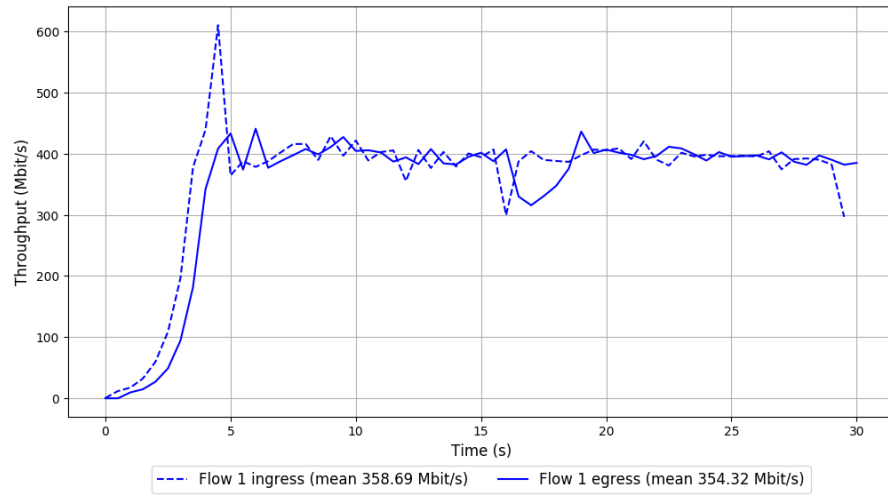


Run 2: Statistics of PCC-Expr

Start at: 2018-08-27 20:00:36
End at: 2018-08-27 20:01:06
Local clock offset: -2.88 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-08-28 01:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.32 Mbit/s
95th percentile per-packet one-way delay: 201.108 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 354.32 Mbit/s
95th percentile per-packet one-way delay: 201.108 ms
Loss rate: 1.22%

Run 2: Report of PCC-Expr — Data Link

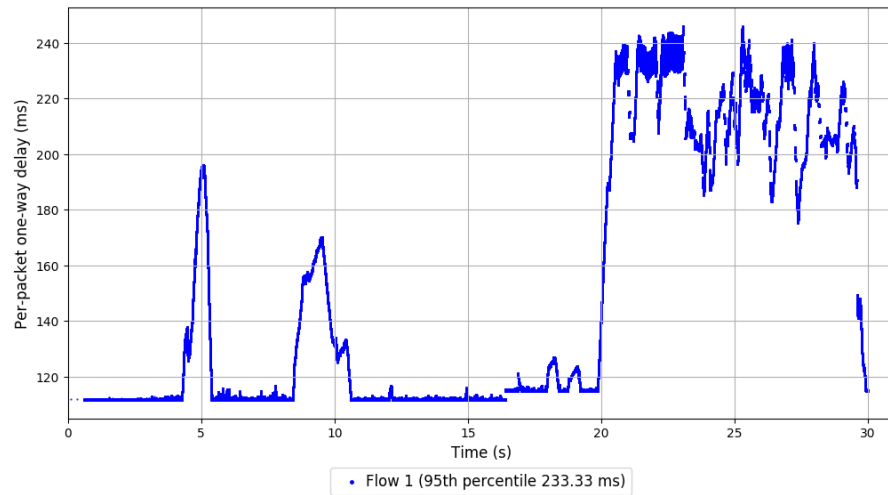
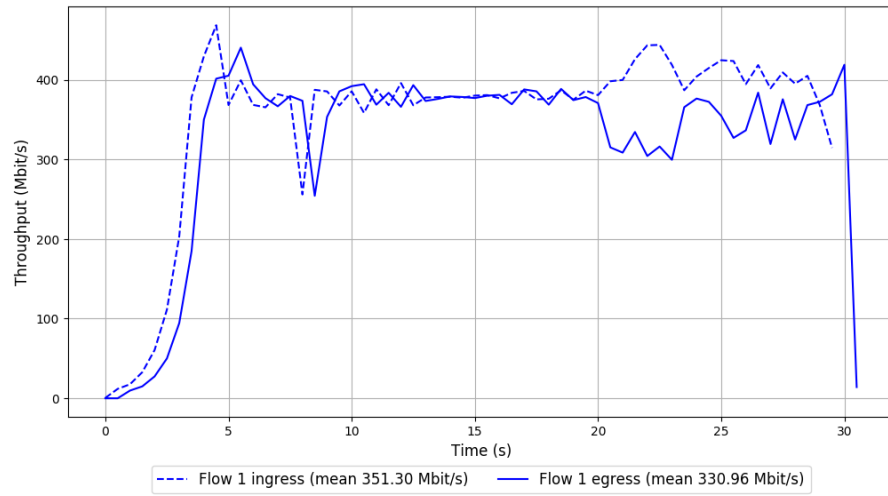


Run 3: Statistics of PCC-Expr

Start at: 2018-08-27 20:25:27
End at: 2018-08-27 20:25:57
Local clock offset: -2.862 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-08-28 01:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.96 Mbit/s
95th percentile per-packet one-way delay: 233.330 ms
Loss rate: 5.78%
-- Flow 1:
Average throughput: 330.96 Mbit/s
95th percentile per-packet one-way delay: 233.330 ms
Loss rate: 5.78%

Run 3: Report of PCC-Expr — Data Link

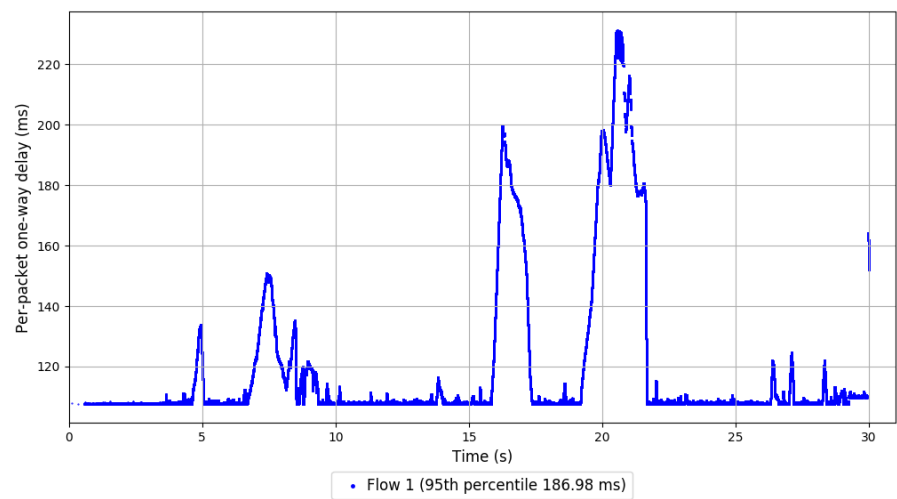
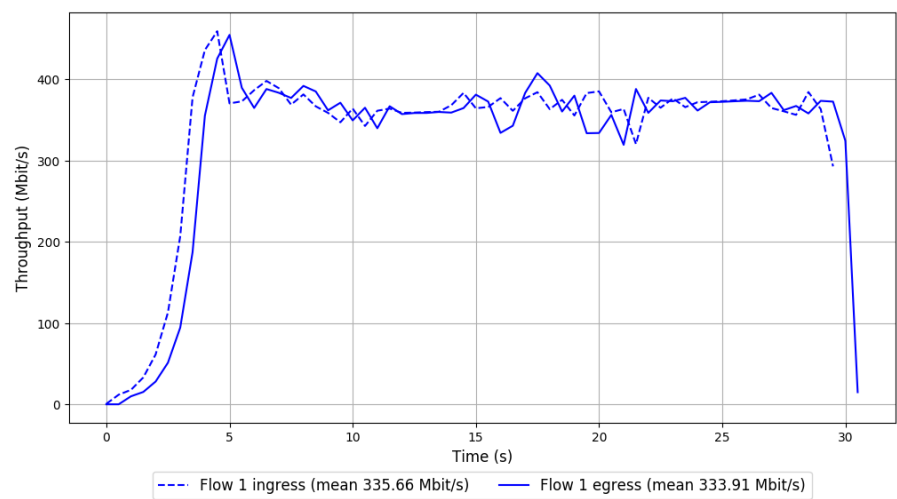


Run 4: Statistics of PCC-Expr

Start at: 2018-08-27 20:49:47
End at: 2018-08-27 20:50:17
Local clock offset: -0.002 ms
Remote clock offset: -1.637 ms

Below is generated by plot.py at 2018-08-28 01:36:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 333.91 Mbit/s
95th percentile per-packet one-way delay: 186.977 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 333.91 Mbit/s
95th percentile per-packet one-way delay: 186.977 ms
Loss rate: 0.52%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-27 21:14:04

End at: 2018-08-27 21:14:34

Local clock offset: -2.823 ms

Remote clock offset: 1.907 ms

Below is generated by plot.py at 2018-08-28 01:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.03 Mbit/s

95th percentile per-packet one-way delay: 208.449 ms

Loss rate: 1.47%

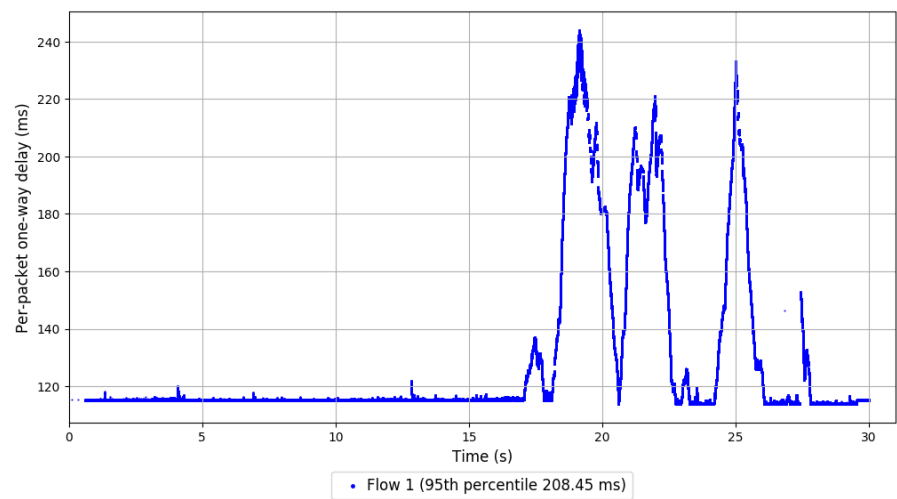
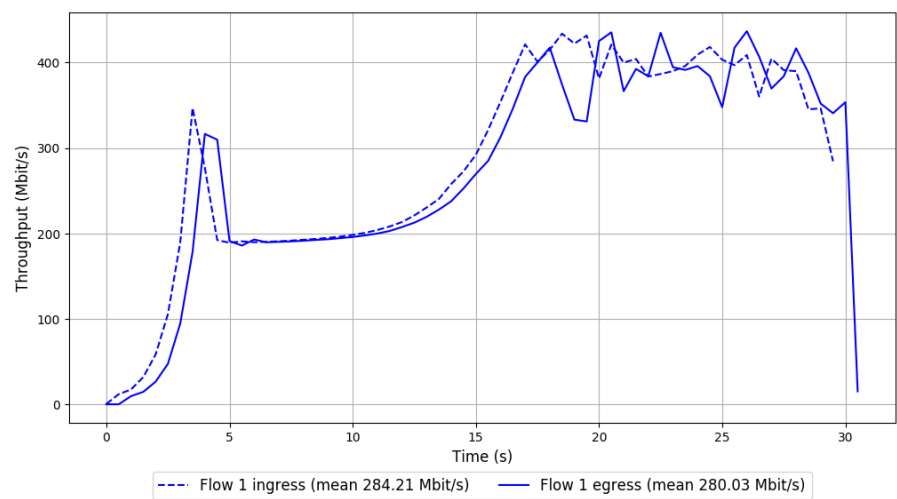
-- Flow 1:

Average throughput: 280.03 Mbit/s

95th percentile per-packet one-way delay: 208.449 ms

Loss rate: 1.47%

Run 5: Report of PCC-Expr — Data Link

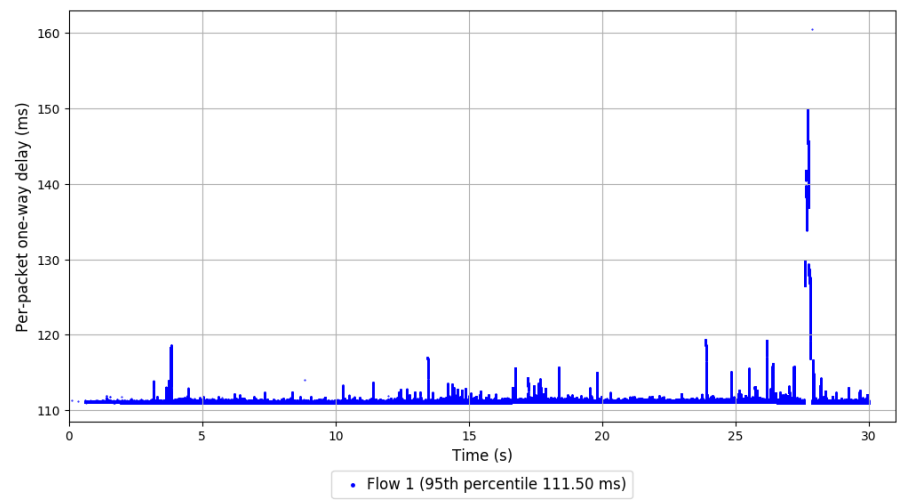
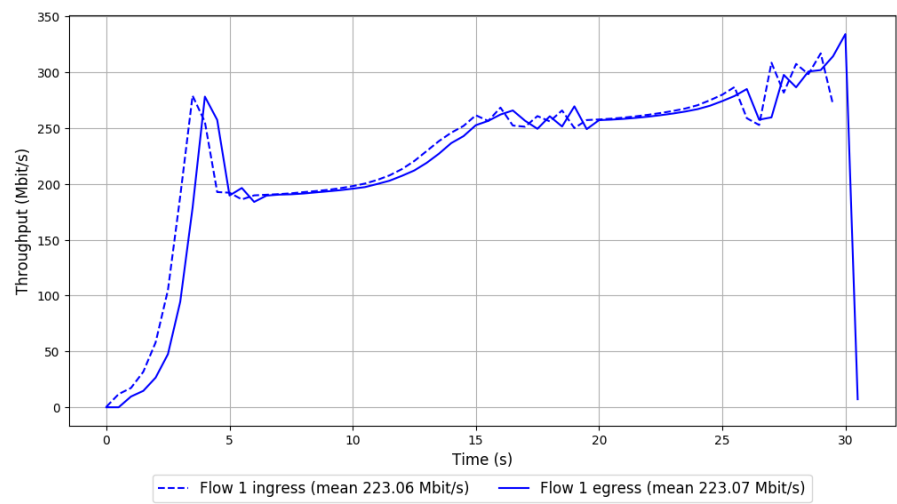


Run 6: Statistics of PCC-Expr

Start at: 2018-08-27 21:38:09
End at: 2018-08-27 21:38:39
Local clock offset: -0.084 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-28 01:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.07 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.07 Mbit/s
95th percentile per-packet one-way delay: 111.504 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-27 22:02:37

End at: 2018-08-27 22:03:08

Local clock offset: 2.734 ms

Remote clock offset: 1.621 ms

Below is generated by plot.py at 2018-08-28 01:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.30 Mbit/s

95th percentile per-packet one-way delay: 213.291 ms

Loss rate: 2.82%

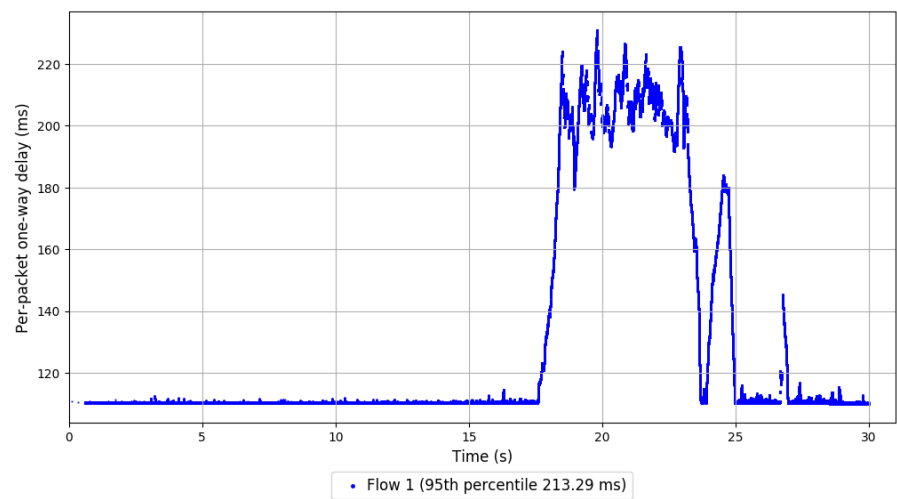
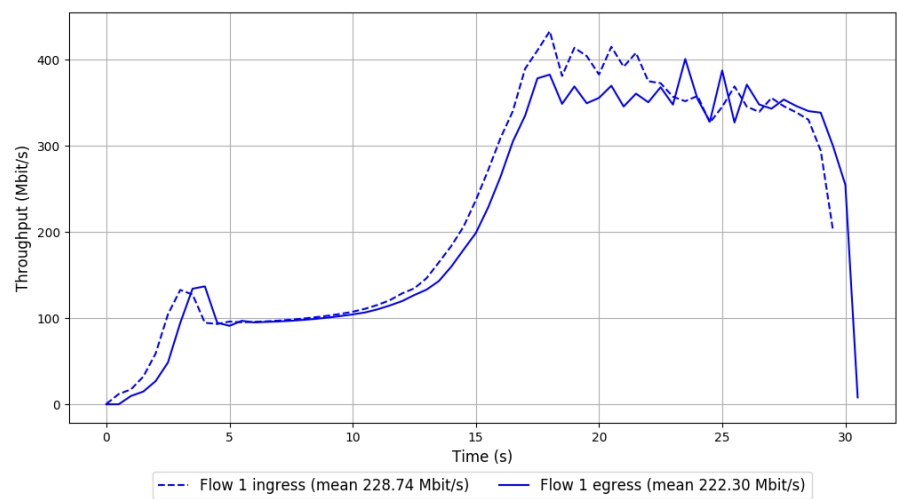
-- Flow 1:

Average throughput: 222.30 Mbit/s

95th percentile per-packet one-way delay: 213.291 ms

Loss rate: 2.82%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-27 22:26:36

End at: 2018-08-27 22:27:06

Local clock offset: -0.074 ms

Remote clock offset: 1.889 ms

Below is generated by plot.py at 2018-08-28 01:44:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.28 Mbit/s

95th percentile per-packet one-way delay: 116.235 ms

Loss rate: 0.00%

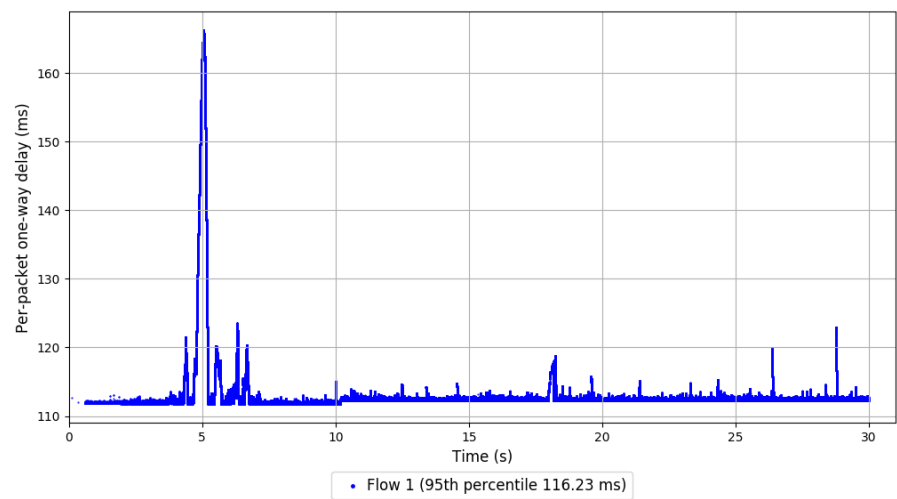
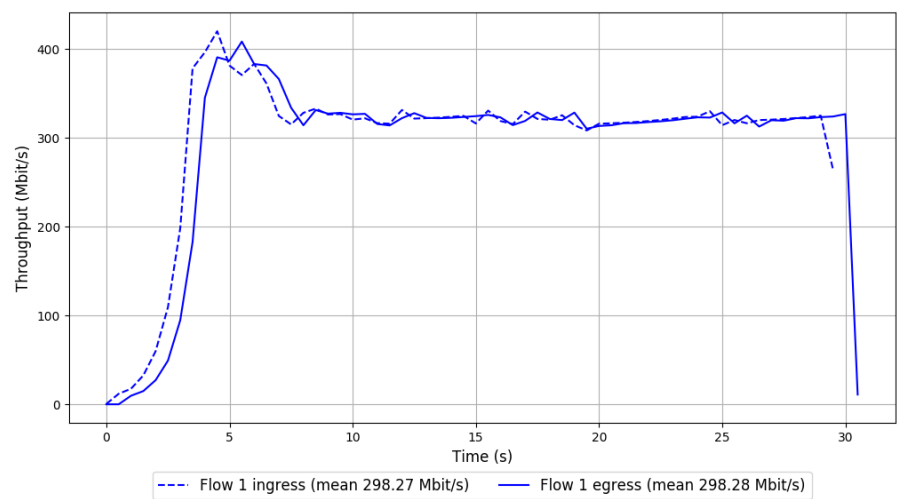
-- Flow 1:

Average throughput: 298.28 Mbit/s

95th percentile per-packet one-way delay: 116.235 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

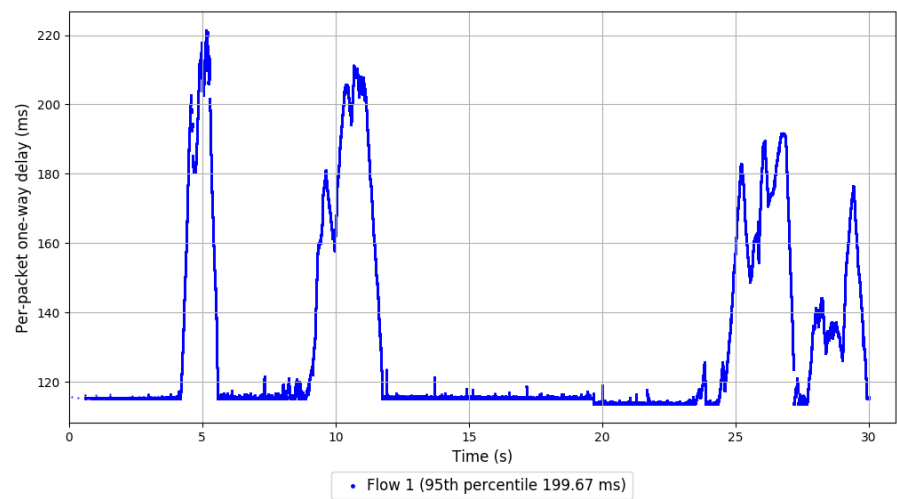
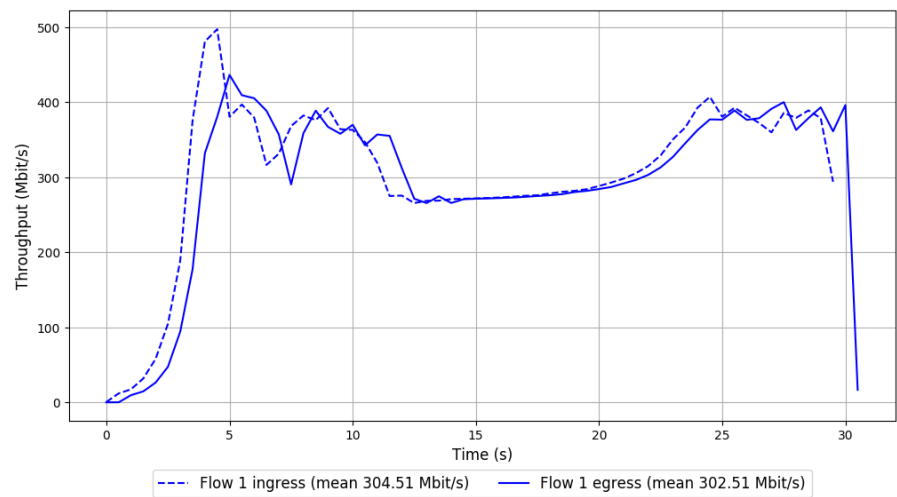


Run 9: Statistics of PCC-Expr

Start at: 2018-08-27 22:50:36
End at: 2018-08-27 22:51:06
Local clock offset: -2.83 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-08-28 01:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.51 Mbit/s
95th percentile per-packet one-way delay: 199.669 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 302.51 Mbit/s
95th percentile per-packet one-way delay: 199.669 ms
Loss rate: 0.66%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-27 23:14:56

End at: 2018-08-27 23:15:26

Local clock offset: -2.837 ms

Remote clock offset: 2.232 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.82 Mbit/s

95th percentile per-packet one-way delay: 175.028 ms

Loss rate: 0.72%

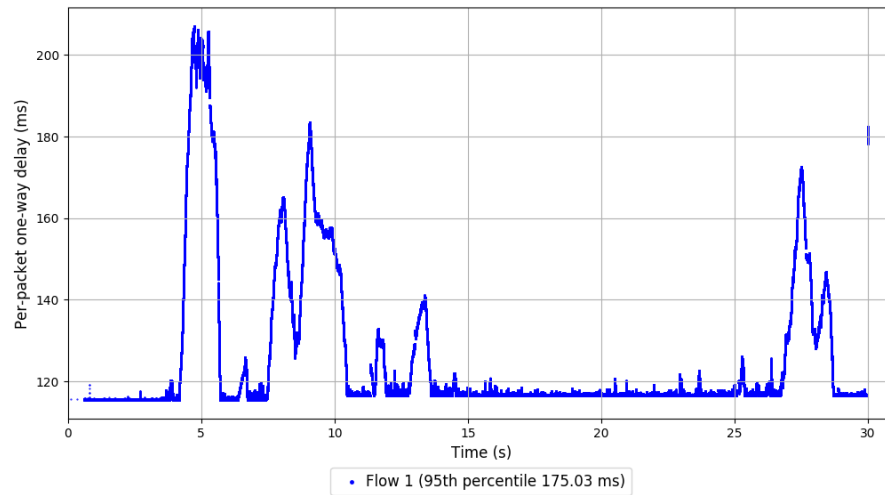
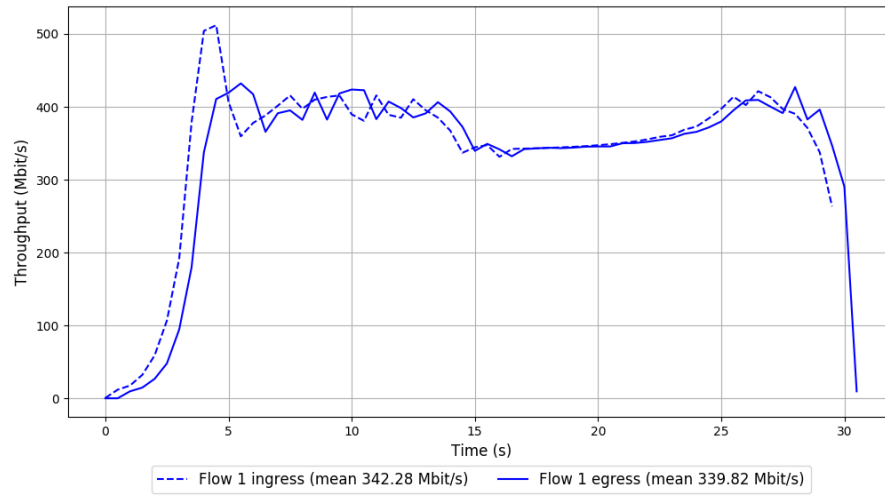
-- Flow 1:

Average throughput: 339.82 Mbit/s

95th percentile per-packet one-way delay: 175.028 ms

Loss rate: 0.72%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-27 19:34:59

End at: 2018-08-27 19:35:29

Local clock offset: 2.679 ms

Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.10 Mbit/s

95th percentile per-packet one-way delay: 107.859 ms

Loss rate: 0.00%

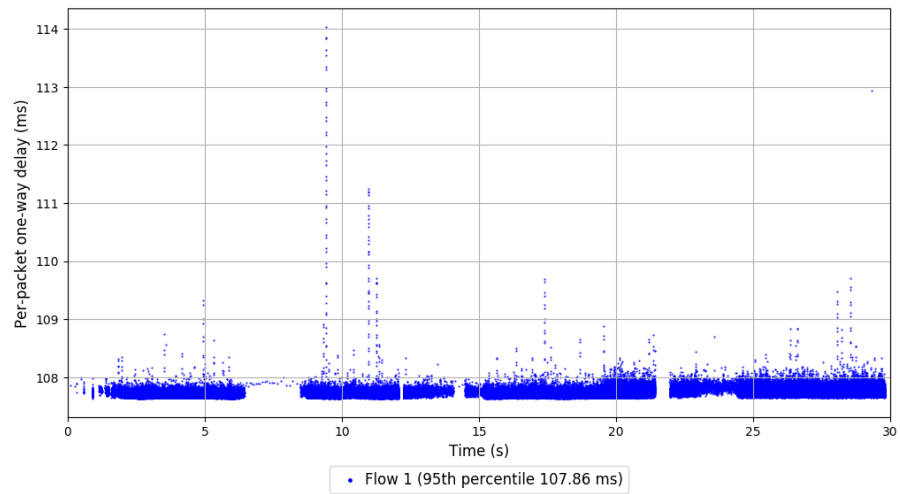
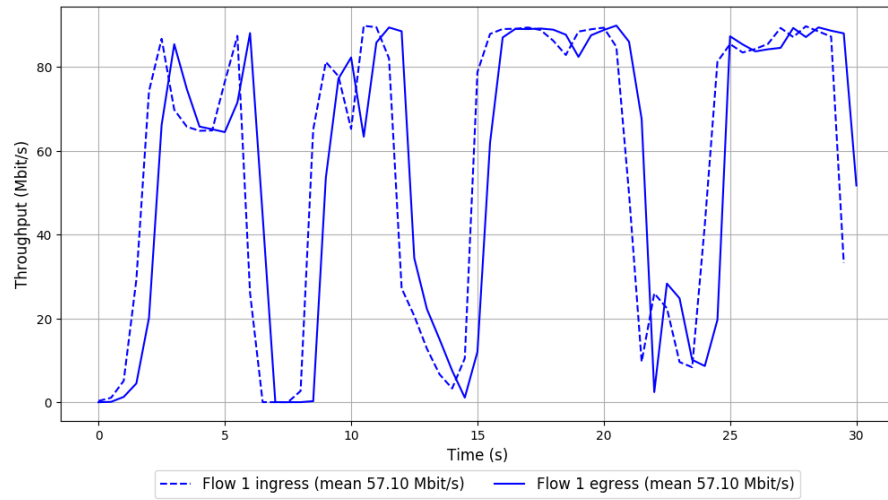
-- Flow 1:

Average throughput: 57.10 Mbit/s

95th percentile per-packet one-way delay: 107.859 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

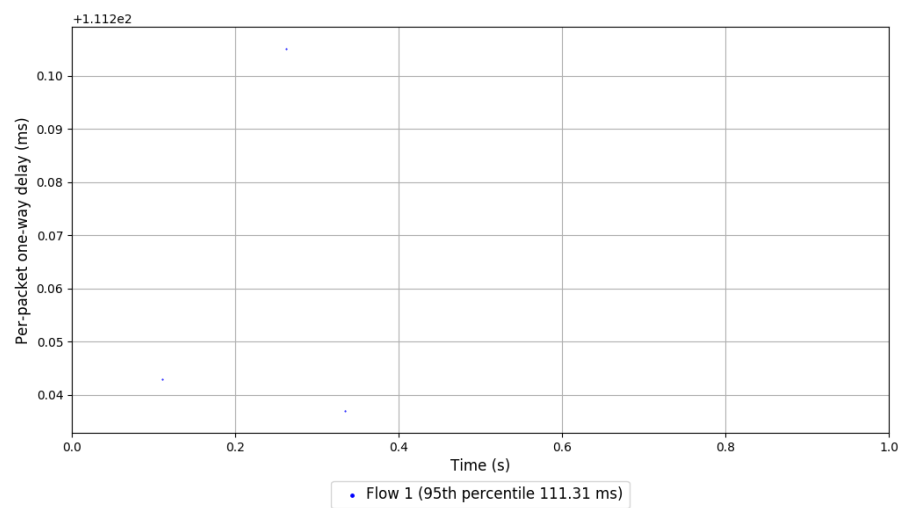
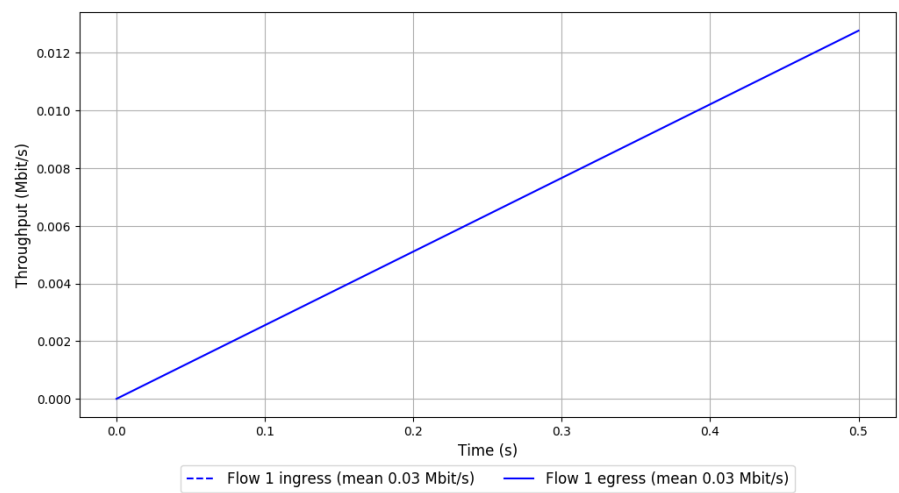
Start at: 2018-08-27 19:59:29

End at: 2018-08-27 19:59:59

Local clock offset: -0.135 ms

Remote clock offset: -0.168 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

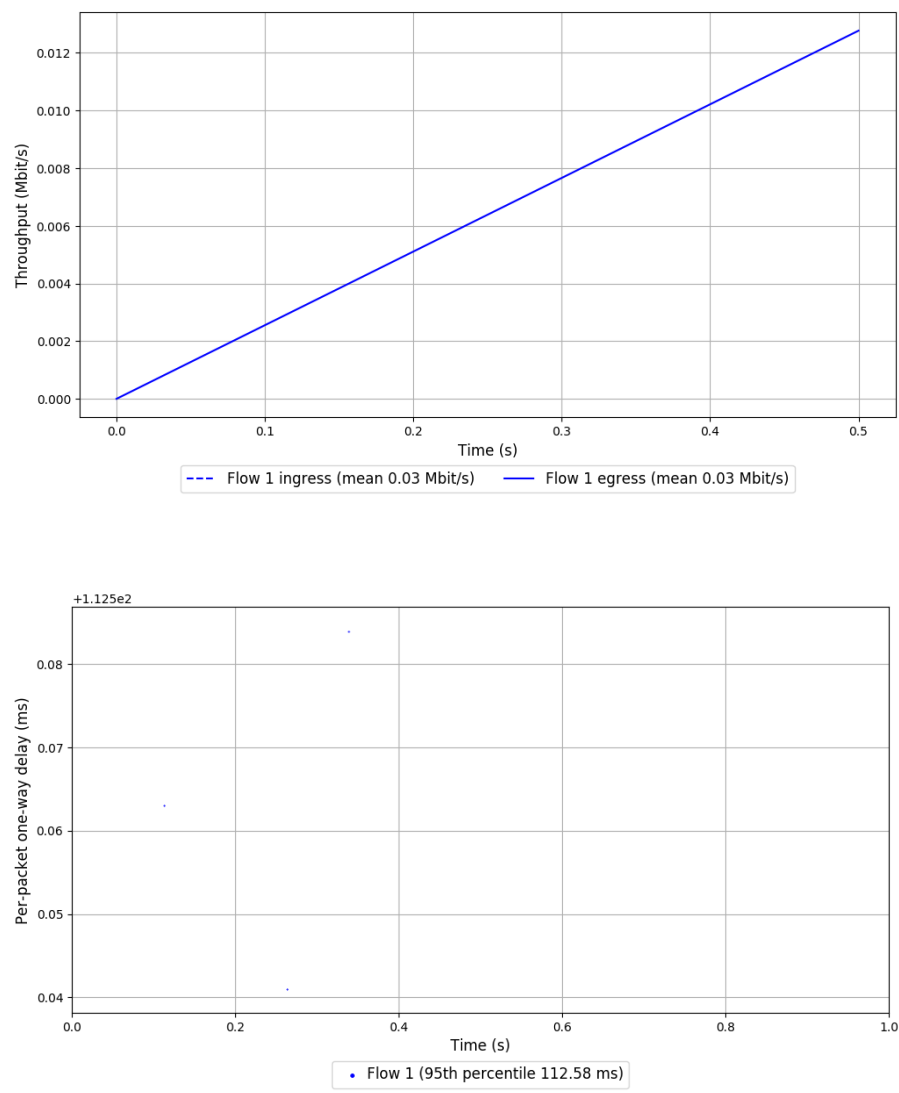
Start at: 2018-08-27 20:24:20

End at: 2018-08-27 20:24:50

Local clock offset: -0.002 ms

Remote clock offset: -0.143 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

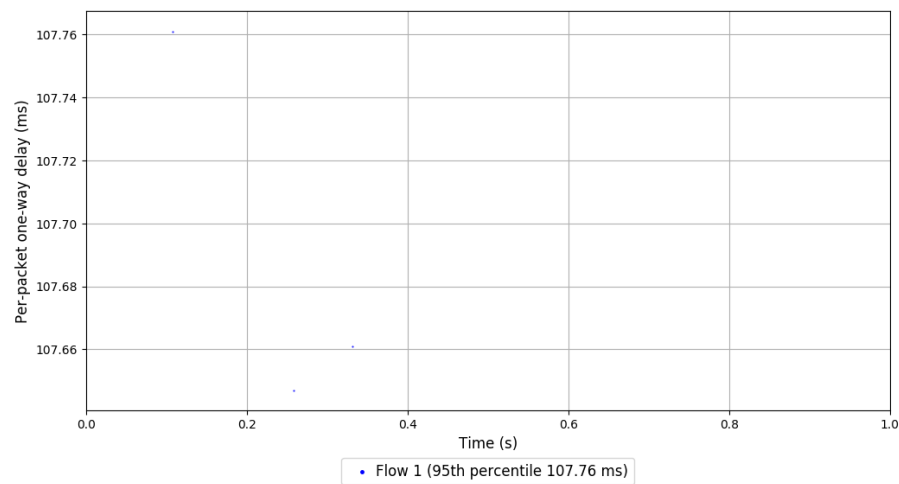
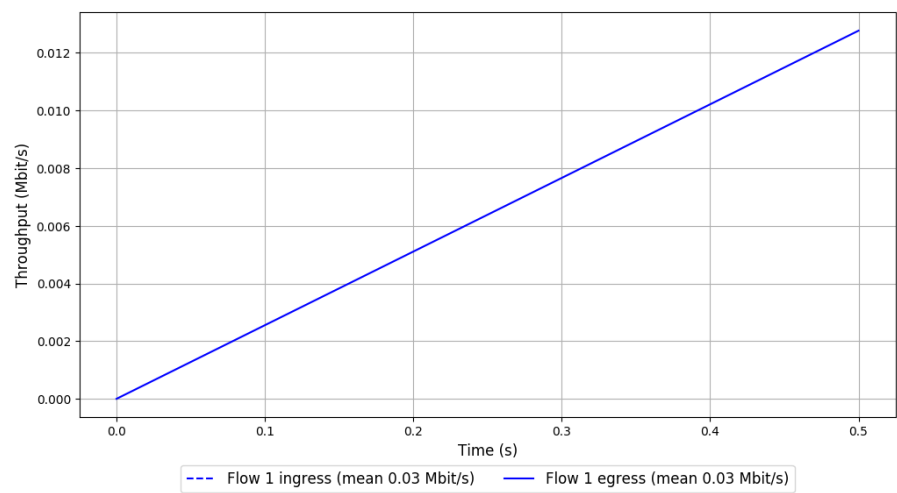
Start at: 2018-08-27 20:48:39

End at: 2018-08-27 20:49:09

Local clock offset: 0.13 ms

Remote clock offset: -2.504 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-27 21:12:53

End at: 2018-08-27 21:13:23

Local clock offset: -0.086 ms

Remote clock offset: 1.844 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

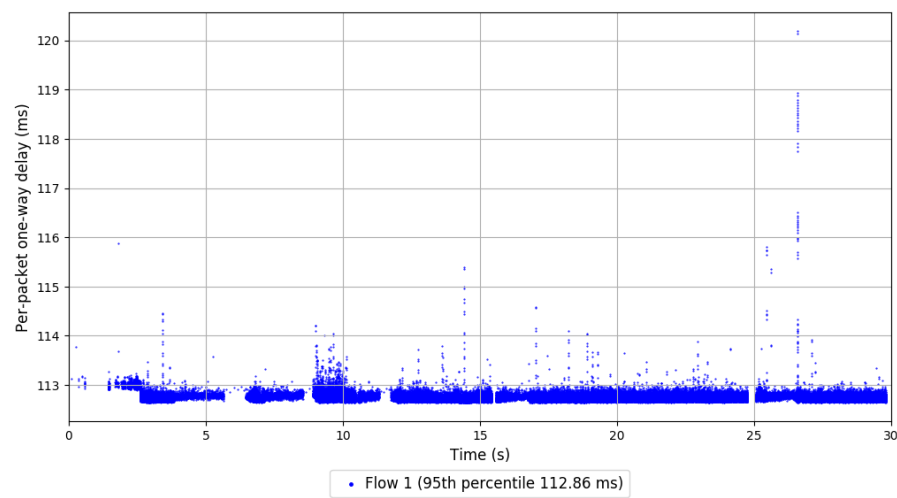
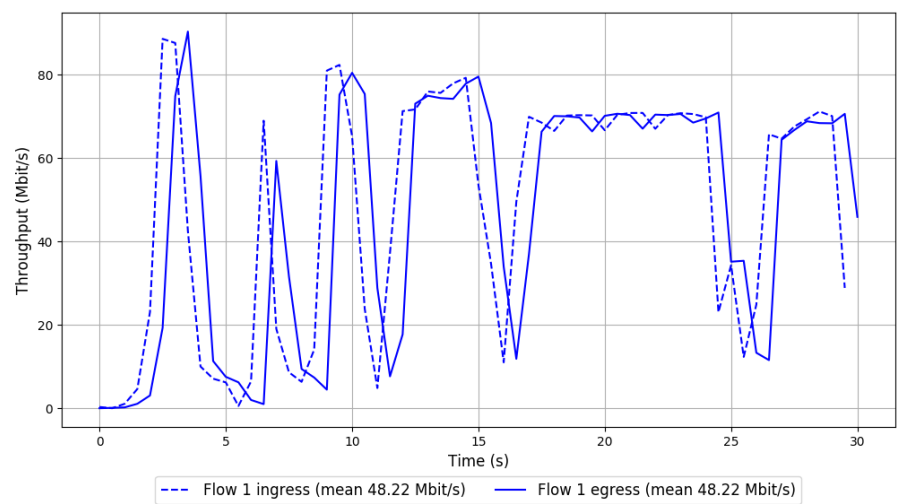
-- Flow 1:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 112.857 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-27 21:36:58

End at: 2018-08-27 21:37:28

Local clock offset: -0.175 ms

Remote clock offset: -0.573 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 111.090 ms

Loss rate: 0.00%

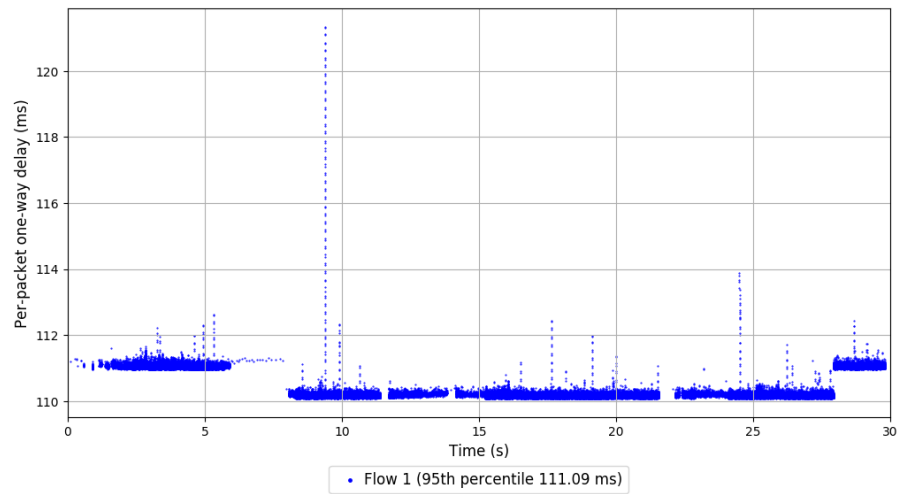
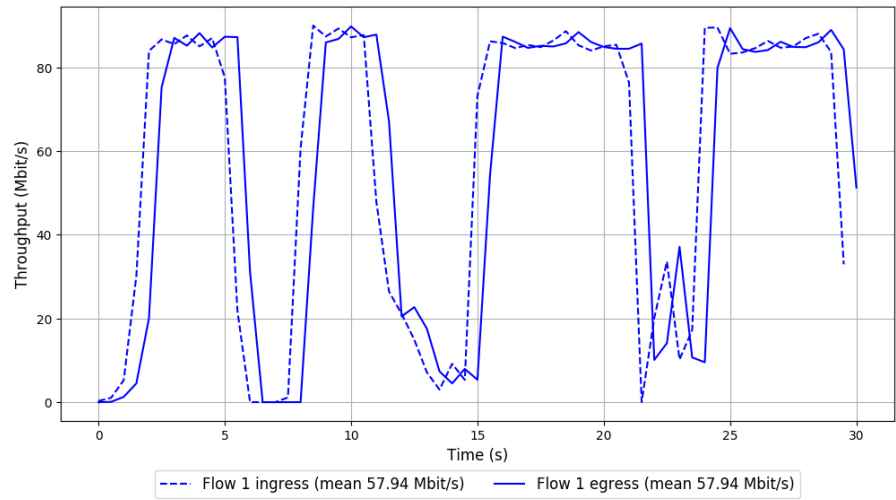
-- Flow 1:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 111.090 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

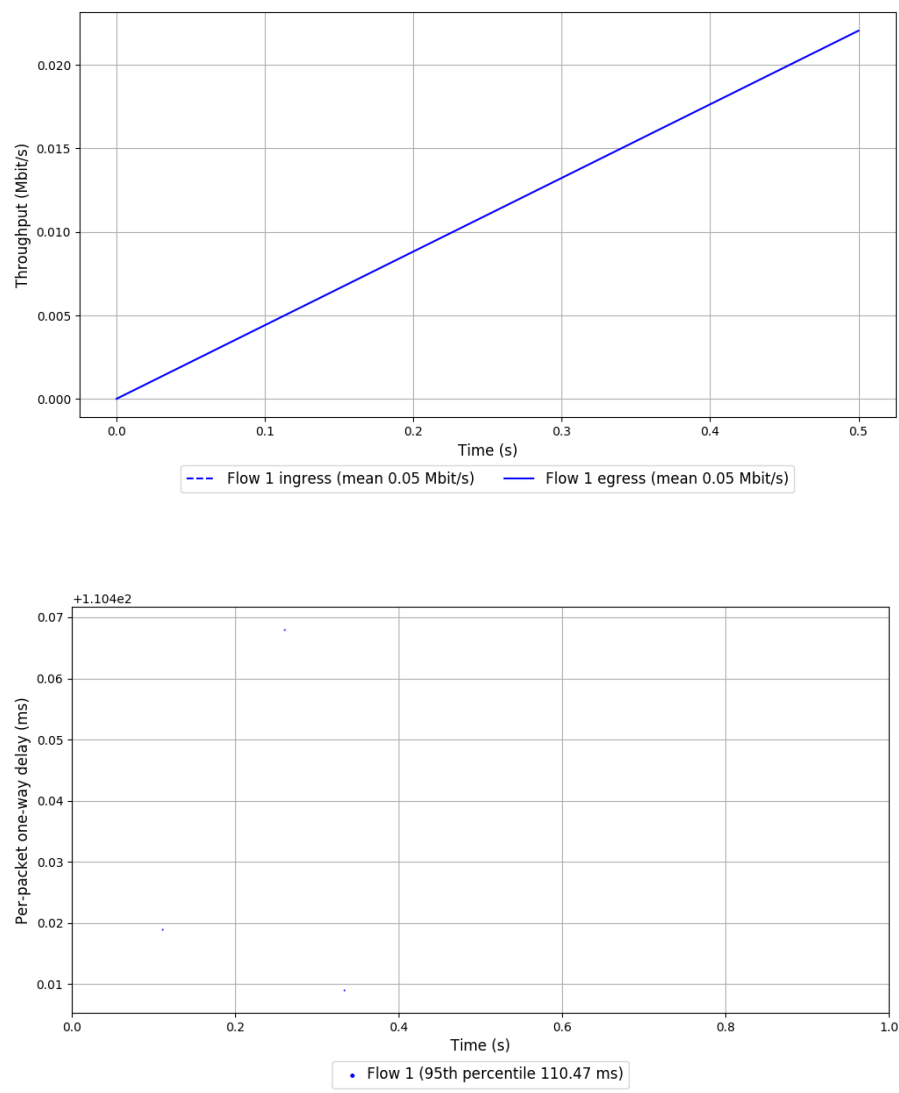
Start at: 2018-08-27 22:01:30

End at: 2018-08-27 22:02:00

Local clock offset: 2.767 ms

Remote clock offset: 1.78 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

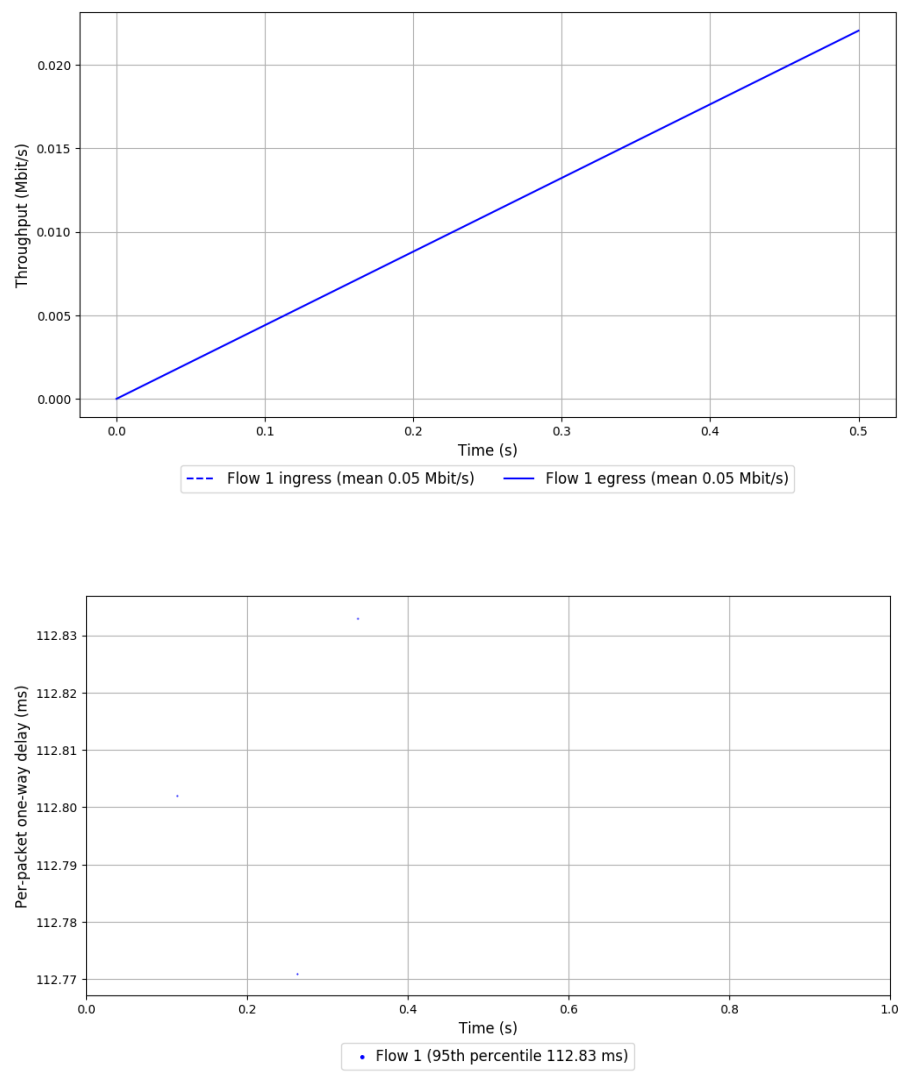
Start at: 2018-08-27 22:25:29

End at: 2018-08-27 22:25:59

Local clock offset: 0.045 ms

Remote clock offset: 1.859 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

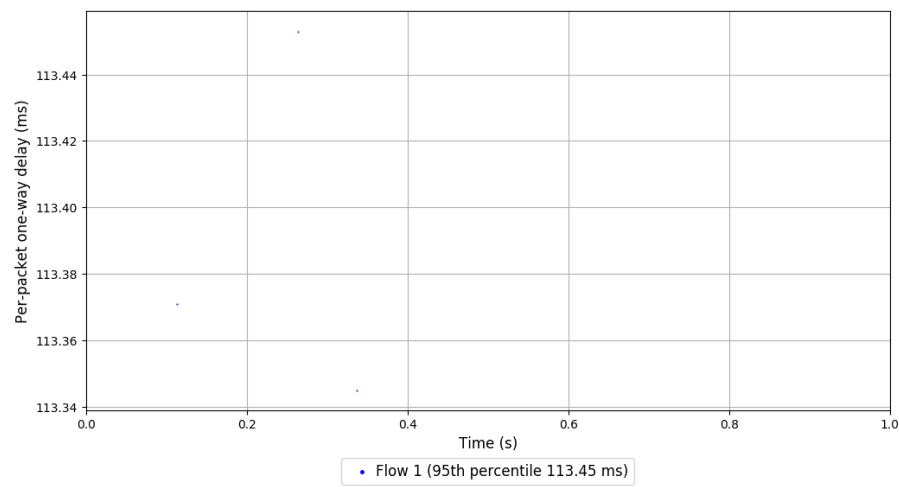
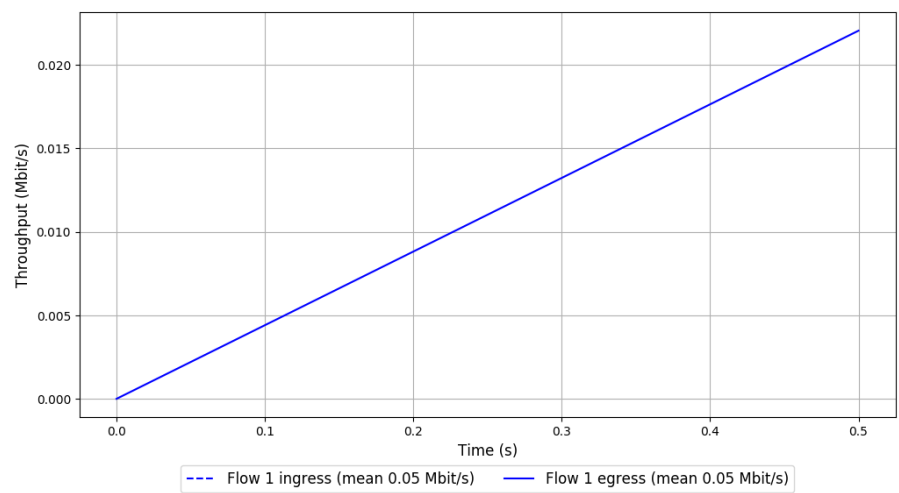
Start at: 2018-08-27 22:49:29

End at: 2018-08-27 22:49:59

Local clock offset: -0.025 ms

Remote clock offset: 2.037 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-27 23:13:44

End at: 2018-08-27 23:14:14

Local clock offset: 0.068 ms

Remote clock offset: 1.602 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 113.206 ms

Loss rate: 0.01%

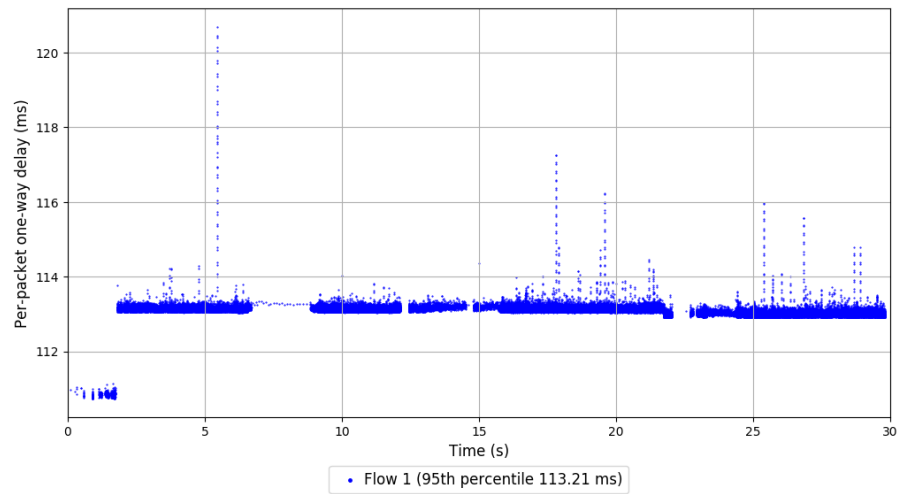
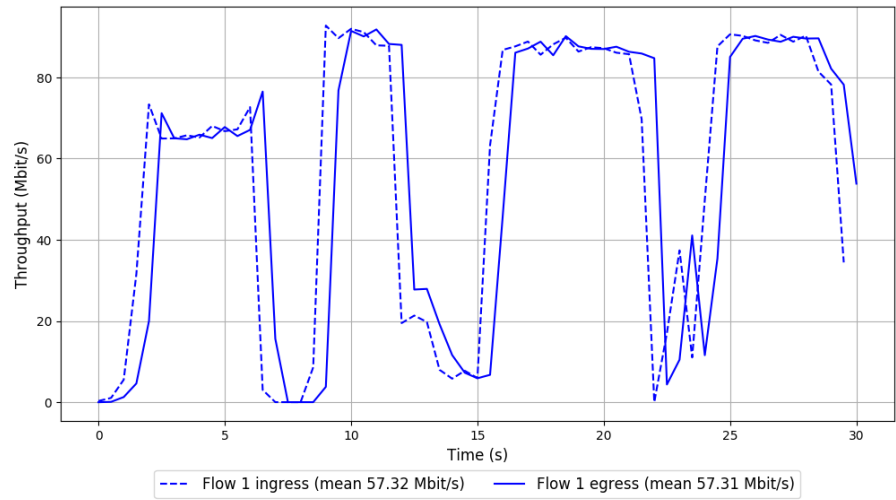
-- Flow 1:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 113.206 ms

Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

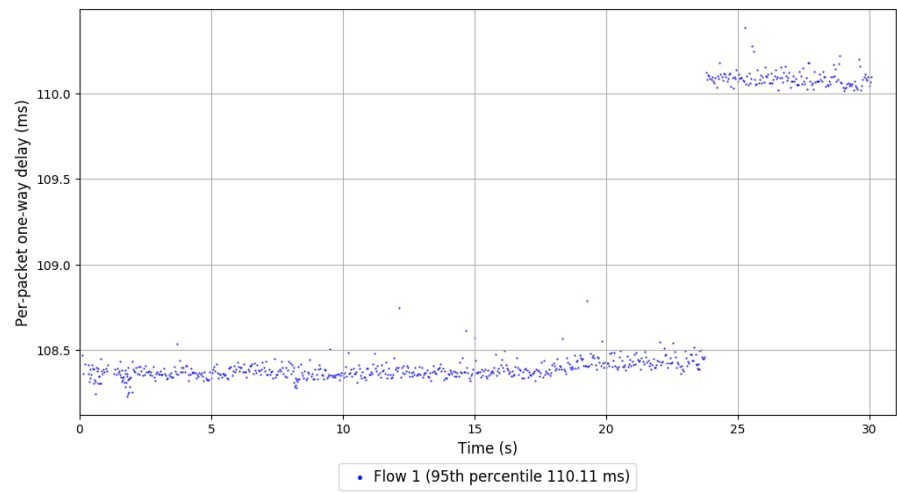
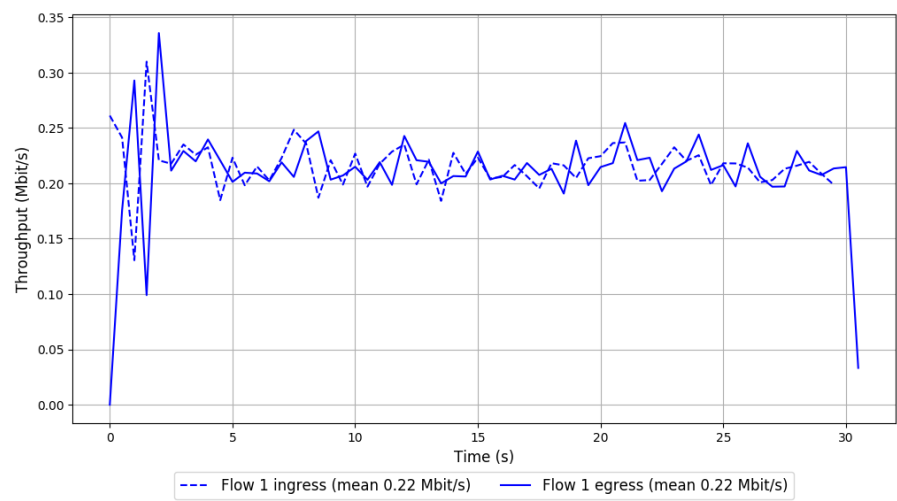


Run 1: Statistics of SCReAM

Start at: 2018-08-27 19:45:22
End at: 2018-08-27 19:45:52
Local clock offset: 0.141 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.105 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-27 20:09:57

End at: 2018-08-27 20:10:28

Local clock offset: 0.105 ms

Remote clock offset: 0.577 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.304 ms

Loss rate: 0.00%

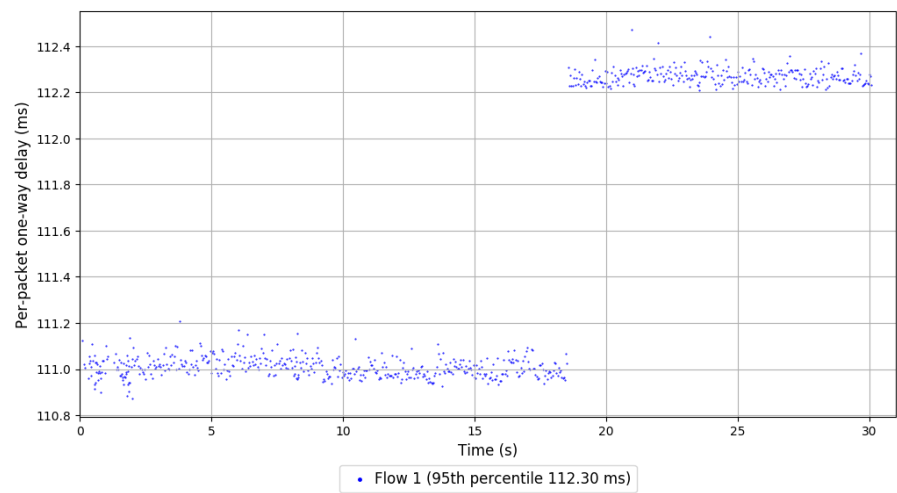
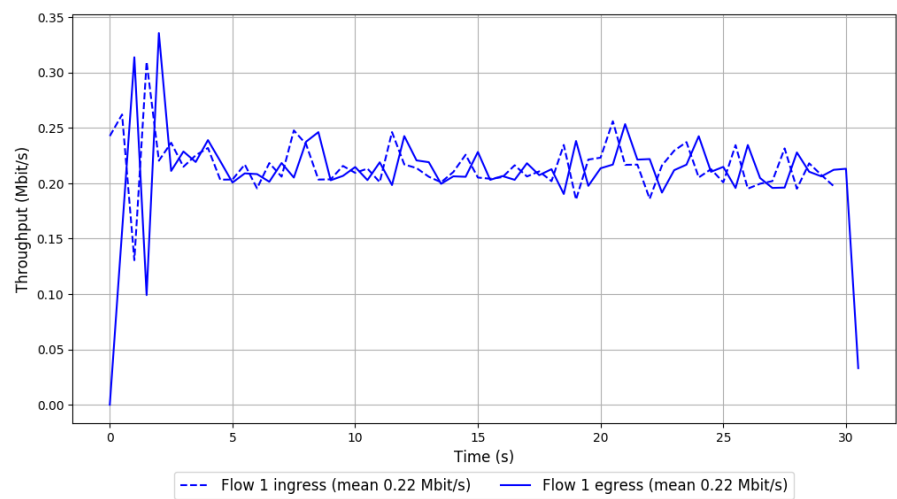
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.304 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

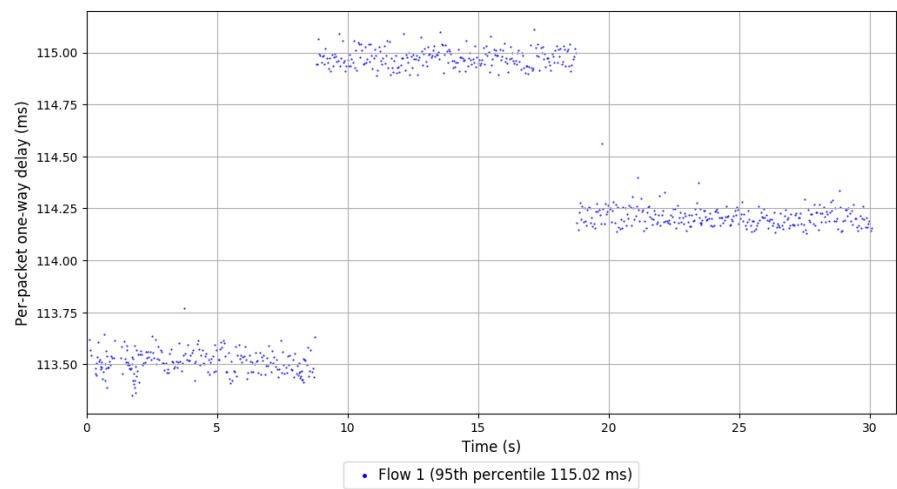
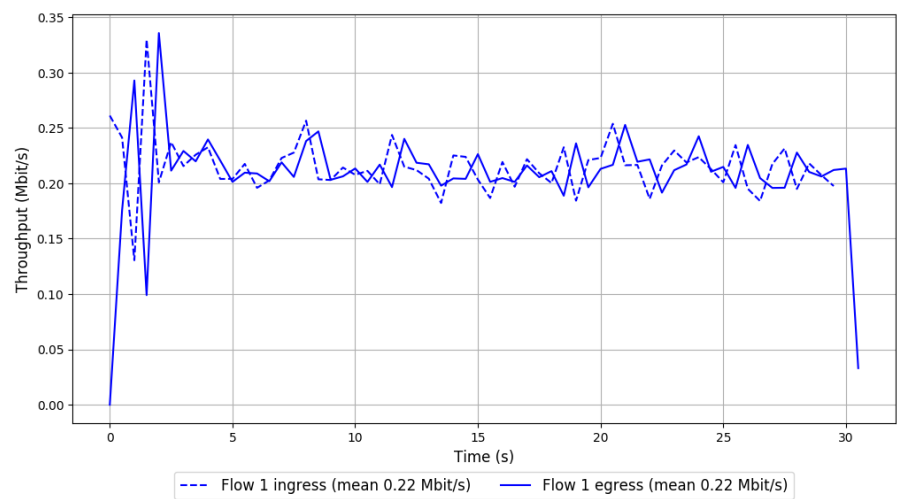


Run 3: Statistics of SCReAM

Start at: 2018-08-27 20:34:27
End at: 2018-08-27 20:34:57
Local clock offset: -2.89 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 115.018 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-27 20:58:49

End at: 2018-08-27 20:59:19

Local clock offset: 0.072 ms

Remote clock offset: 2.754 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 114.304 ms

Loss rate: 0.00%

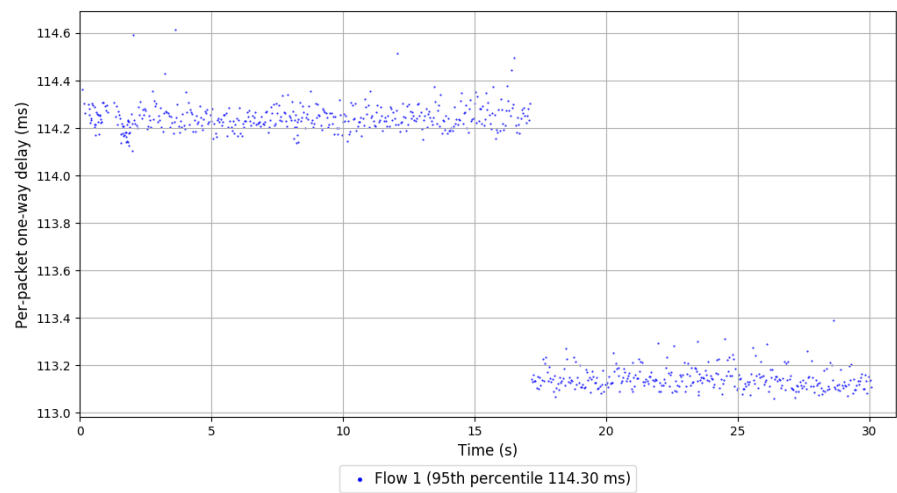
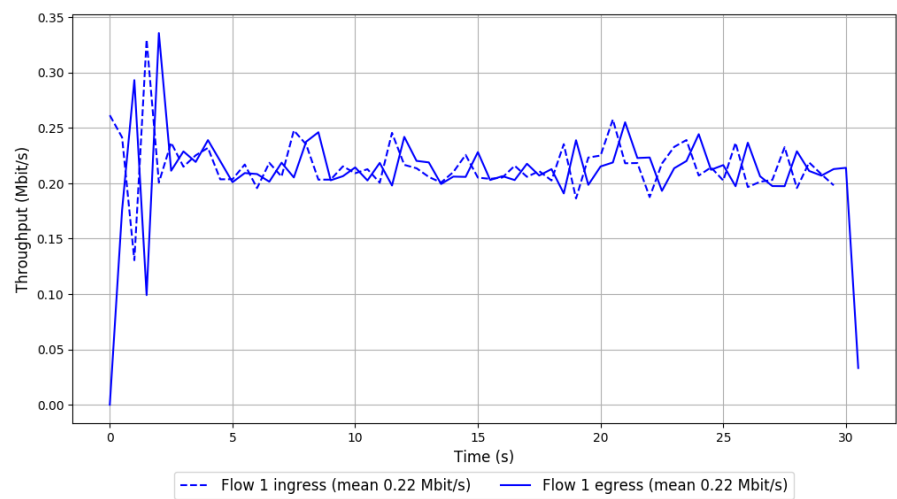
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 114.304 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-27 21:22:52

End at: 2018-08-27 21:23:22

Local clock offset: -0.269 ms

Remote clock offset: 2.762 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 114.001 ms

Loss rate: 0.00%

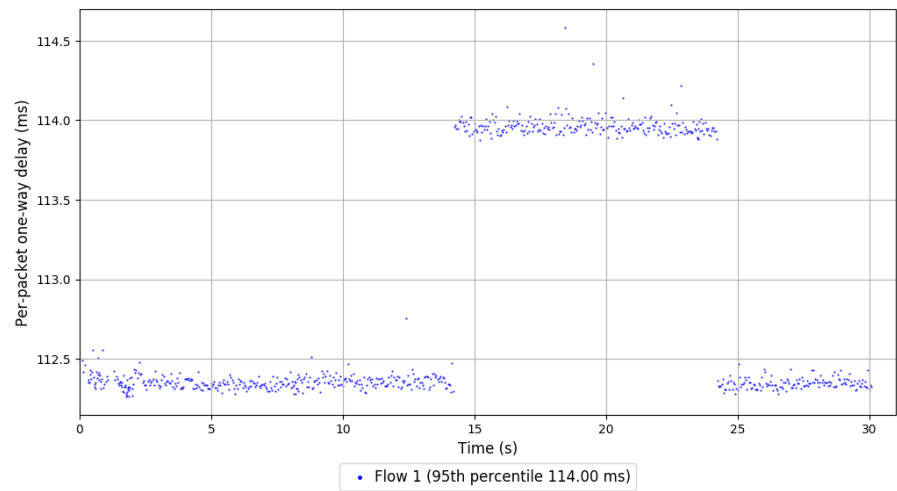
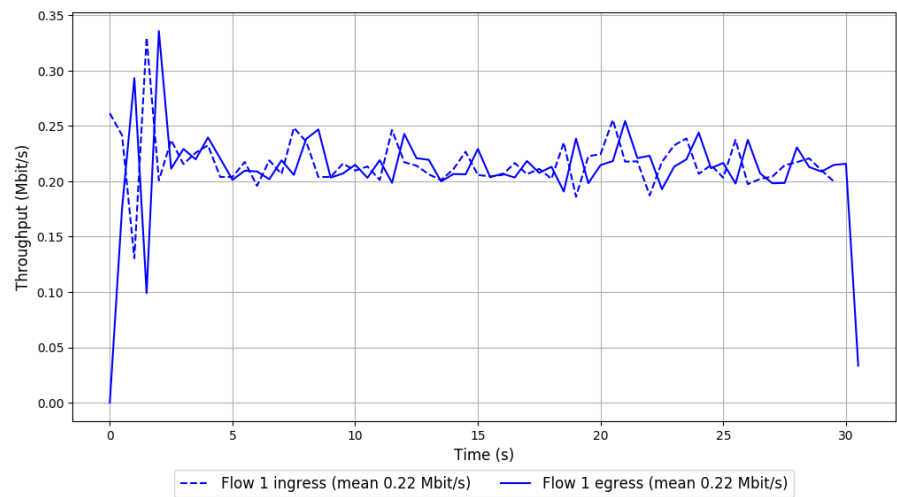
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 114.001 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-27 21:47:16

End at: 2018-08-27 21:47:46

Local clock offset: -0.037 ms

Remote clock offset: 0.553 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.952 ms

Loss rate: 0.00%

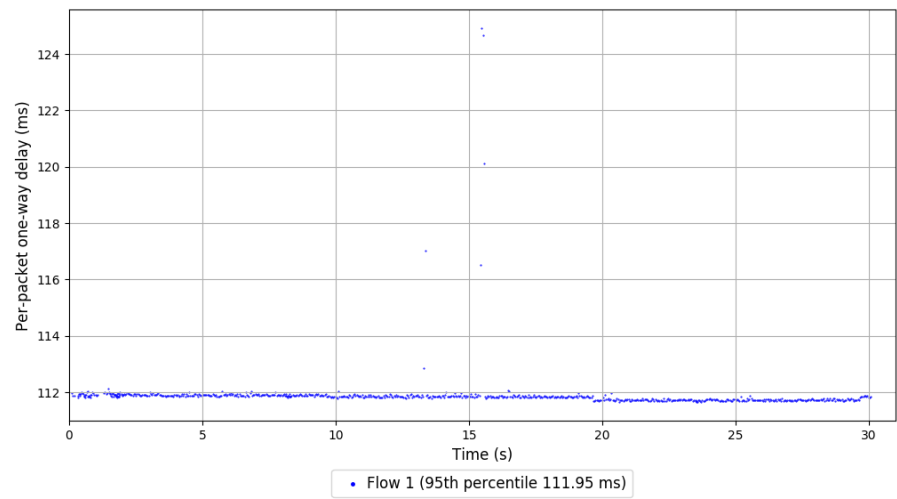
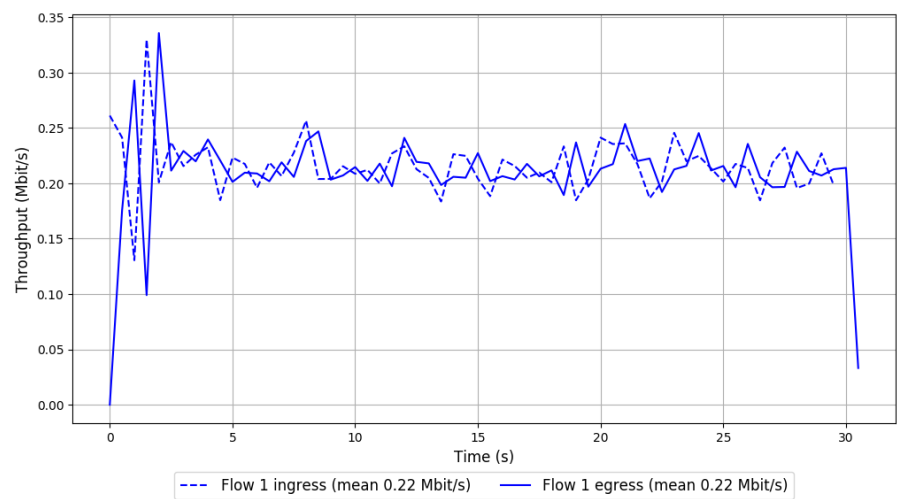
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.952 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-27 22:11:31

End at: 2018-08-27 22:12:01

Local clock offset: -2.86 ms

Remote clock offset: 2.086 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 116.610 ms

Loss rate: 0.00%

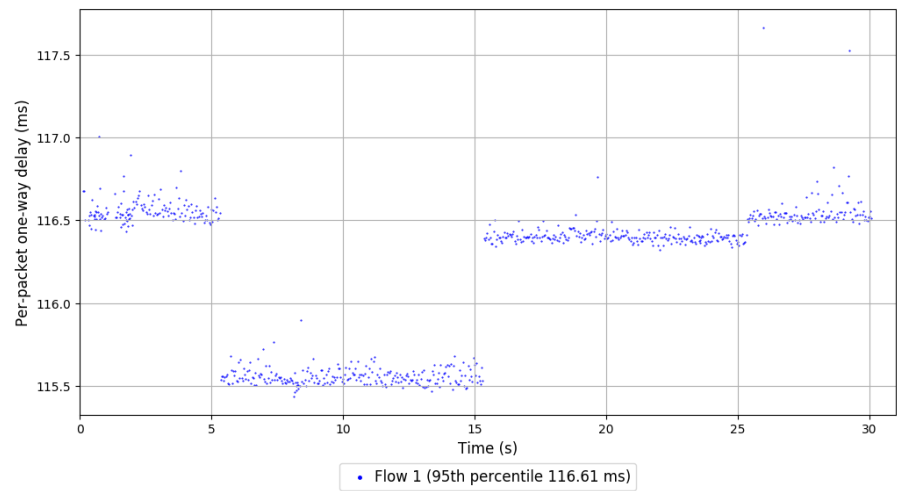
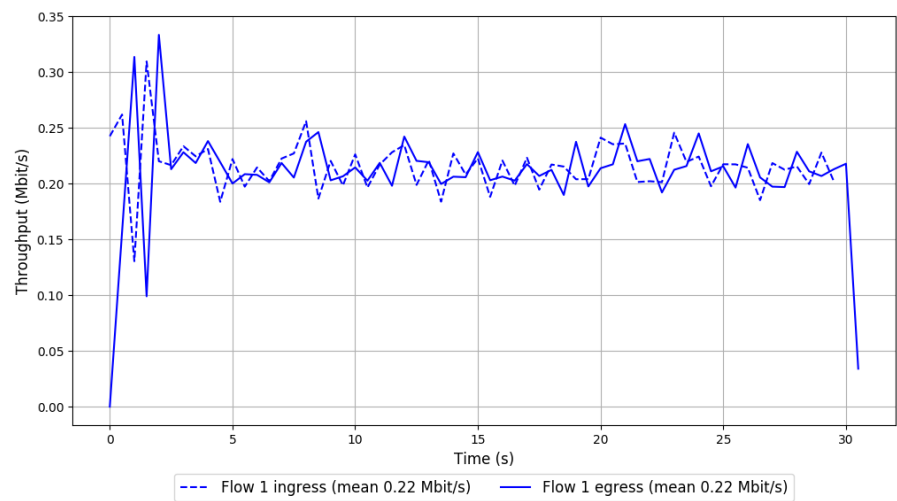
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 116.610 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

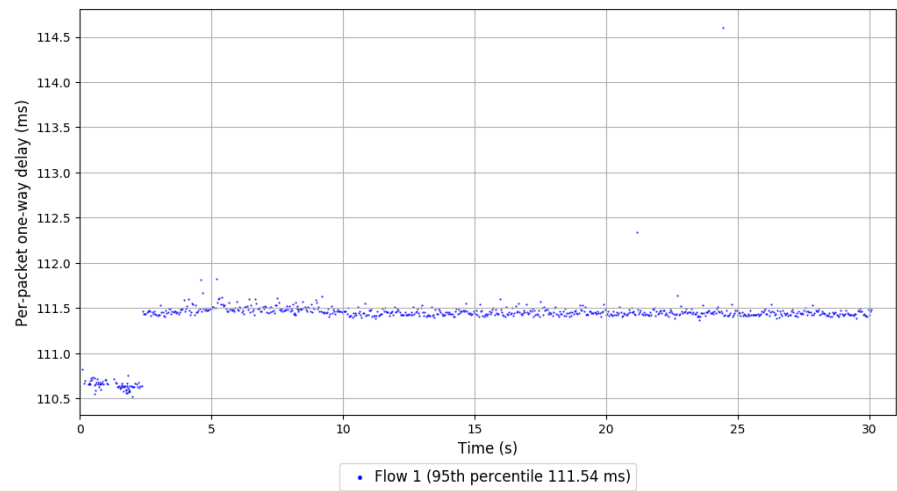
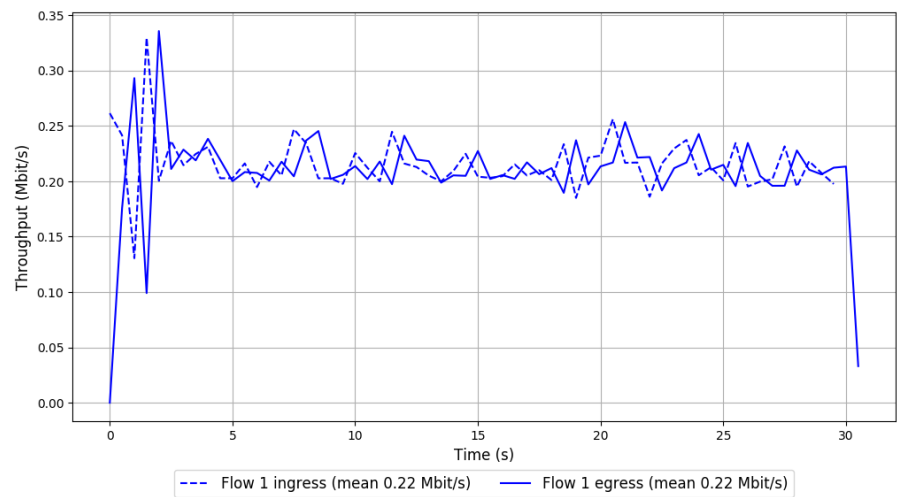


Run 8: Statistics of SCReAM

Start at: 2018-08-27 22:35:24
End at: 2018-08-27 22:35:54
Local clock offset: -0.028 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.539 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-08-27 22:59:38

End at: 2018-08-27 23:00:08

Local clock offset: 0.053 ms

Remote clock offset: 1.65 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.309 ms

Loss rate: 0.00%

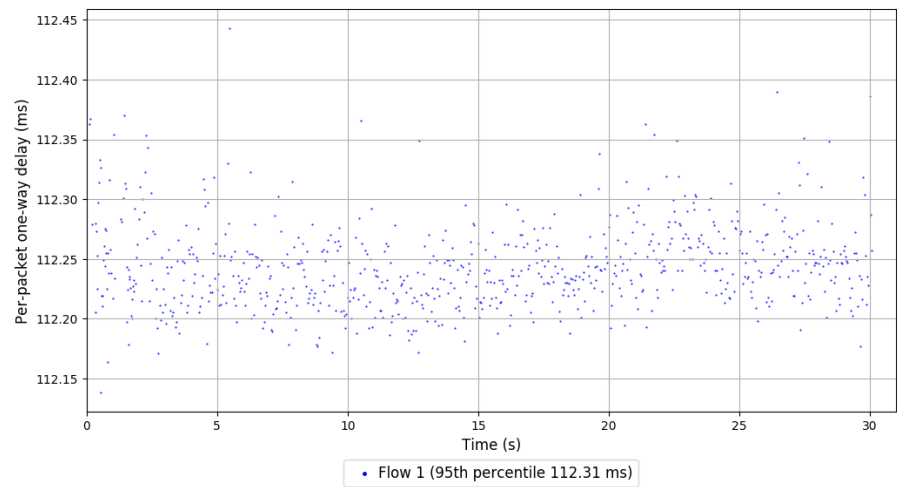
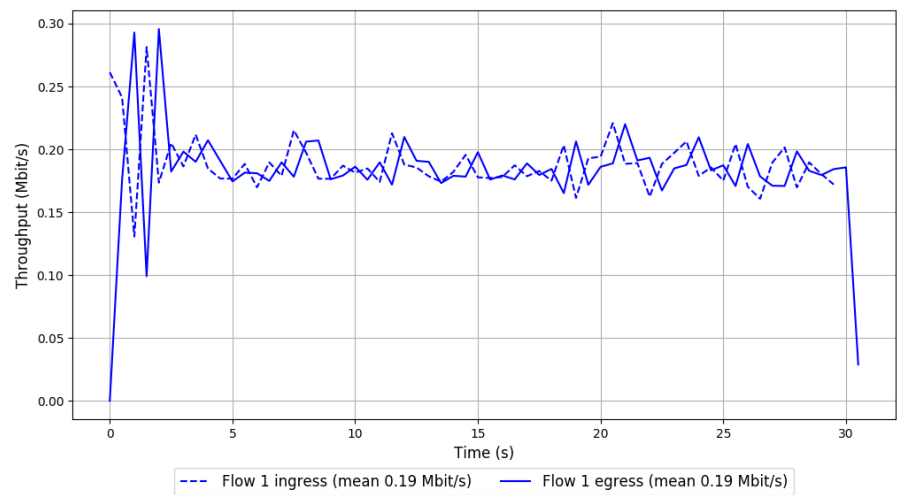
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.309 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-27 23:24:08

End at: 2018-08-27 23:24:38

Local clock offset: -2.858 ms

Remote clock offset: 2.088 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.445 ms

Loss rate: 0.00%

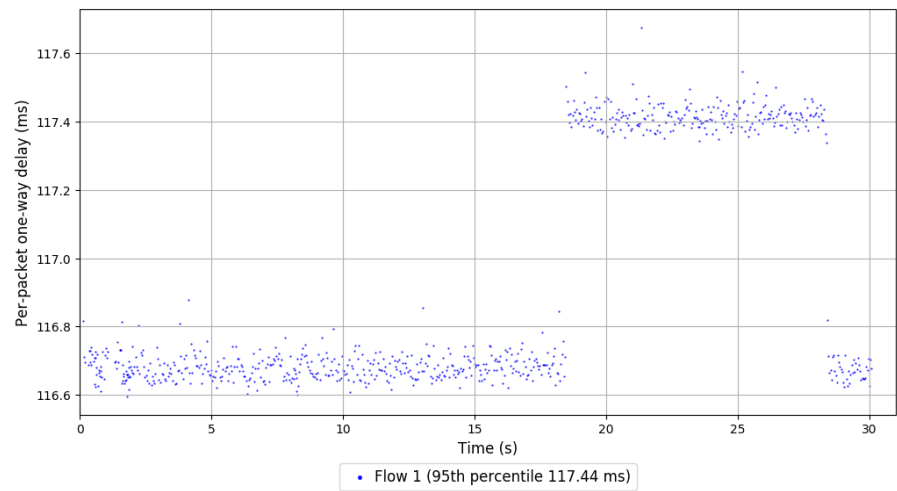
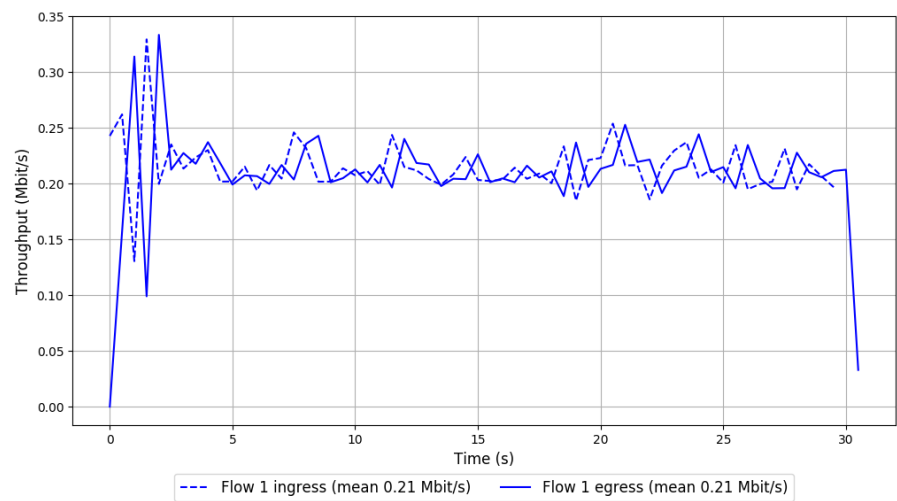
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 117.445 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

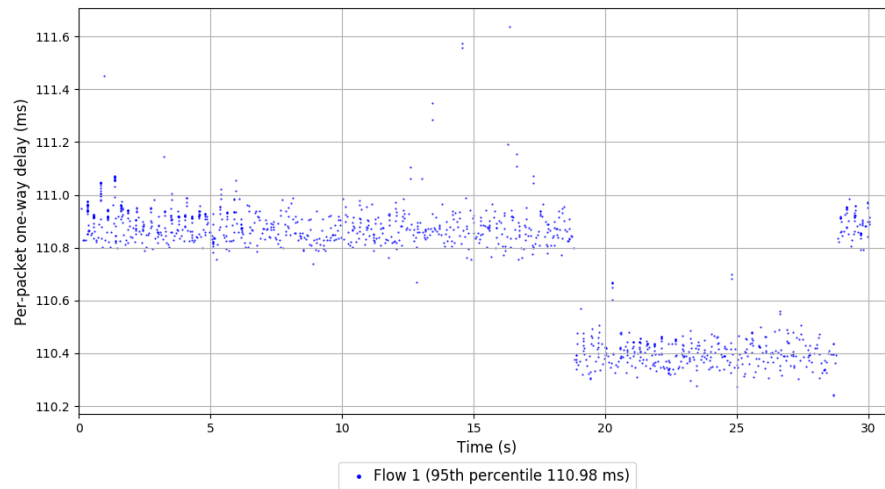
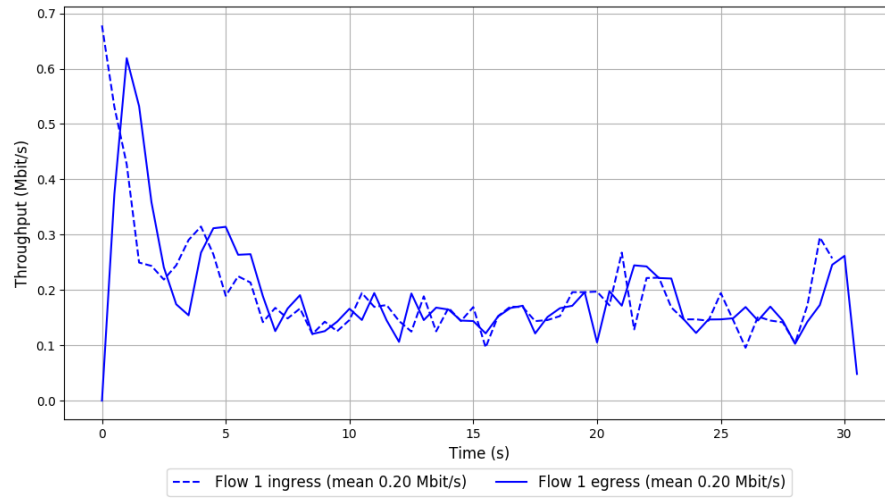


Run 1: Statistics of Sprout

Start at: 2018-08-27 19:40:55
End at: 2018-08-27 19:41:25
Local clock offset: -0.182 ms
Remote clock offset: -0.567 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.985 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

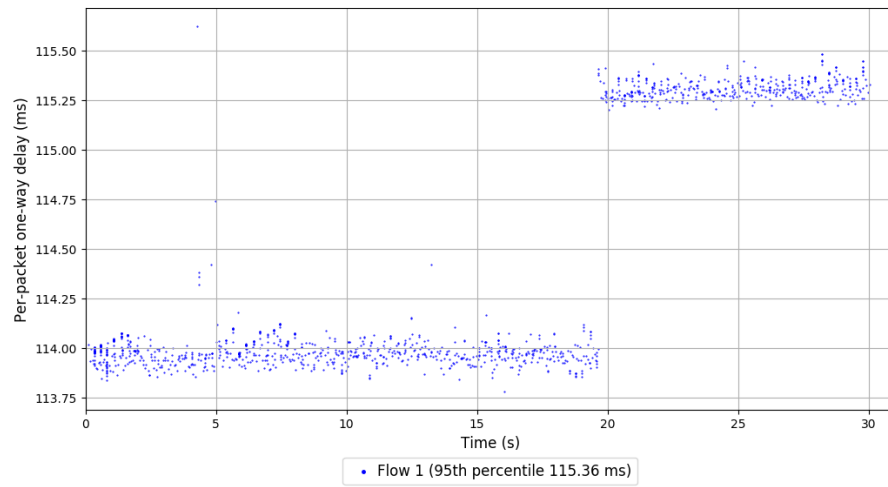
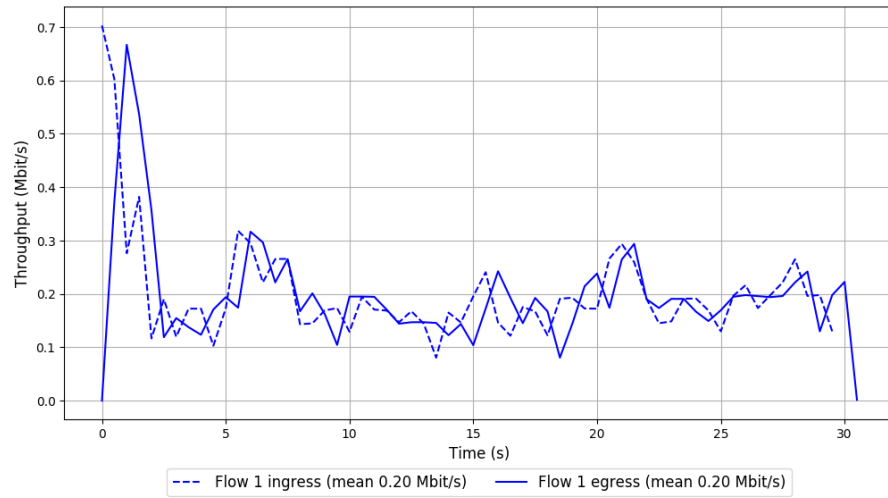


Run 2: Statistics of Sprout

Start at: 2018-08-27 20:05:26
End at: 2018-08-27 20:05:56
Local clock offset: -2.891 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 115.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 115.363 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-27 20:30:00

End at: 2018-08-27 20:30:30

Local clock offset: 2.841 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 108.026 ms

Loss rate: 0.00%

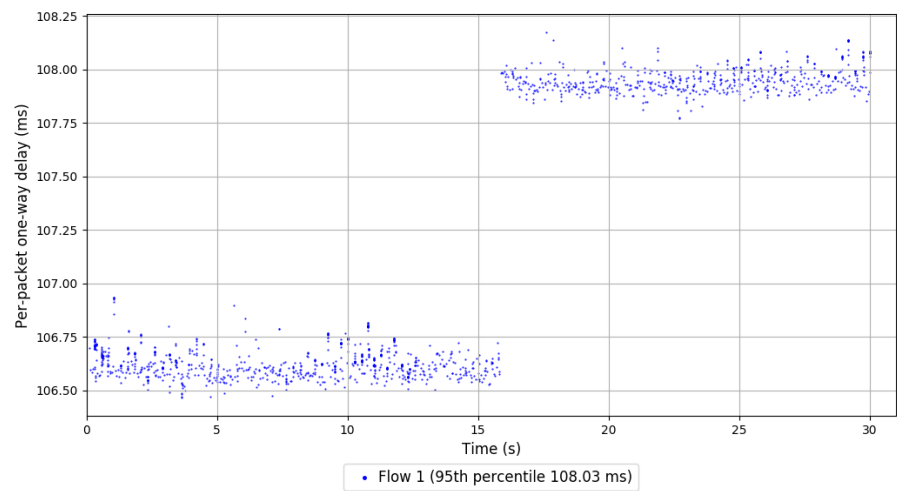
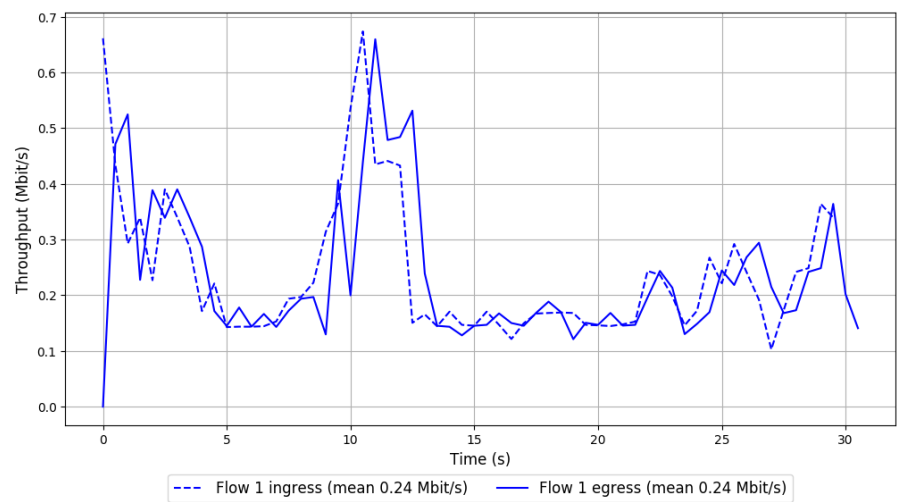
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 108.026 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-27 20:54:21

End at: 2018-08-27 20:54:51

Local clock offset: -3.07 ms

Remote clock offset: 2.793 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 117.397 ms

Loss rate: 0.00%

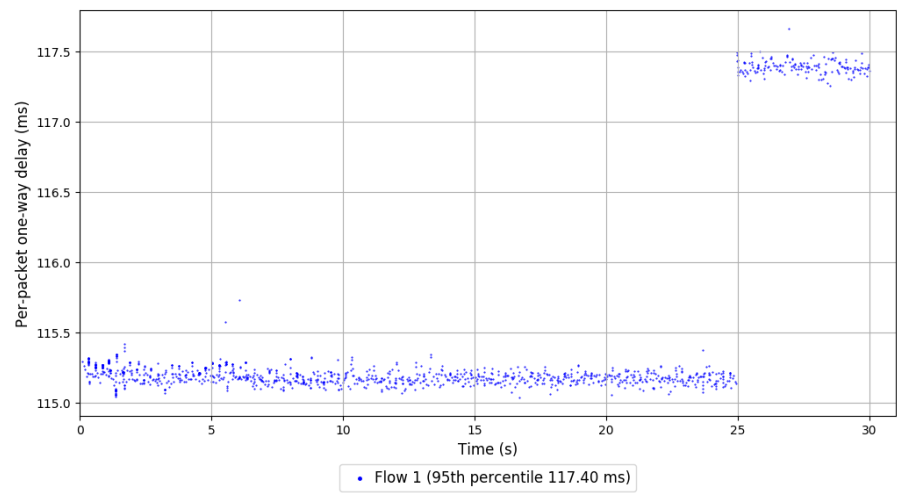
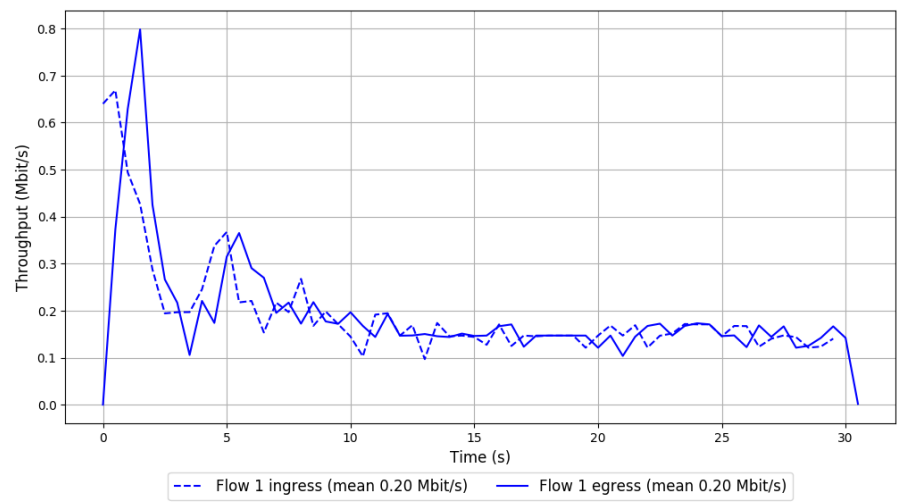
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 117.397 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-27 21:18:28

End at: 2018-08-27 21:18:58

Local clock offset: -0.105 ms

Remote clock offset: 2.598 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 112.127 ms

Loss rate: 0.00%

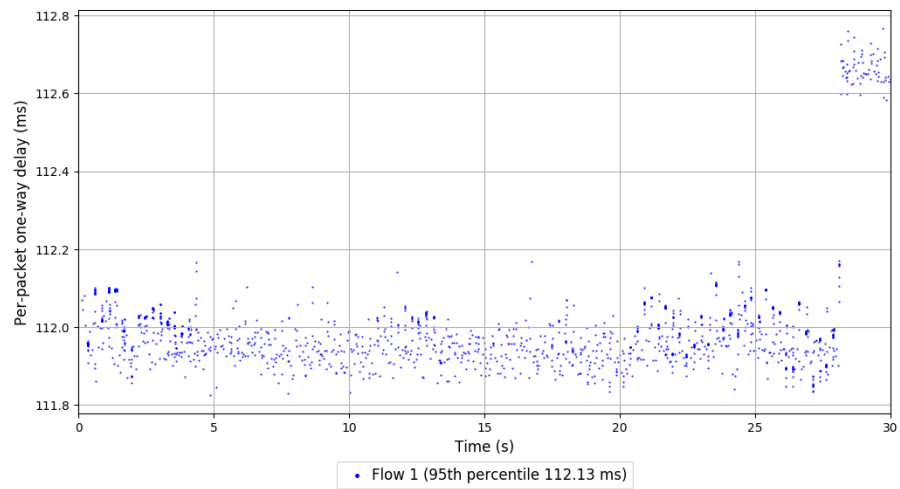
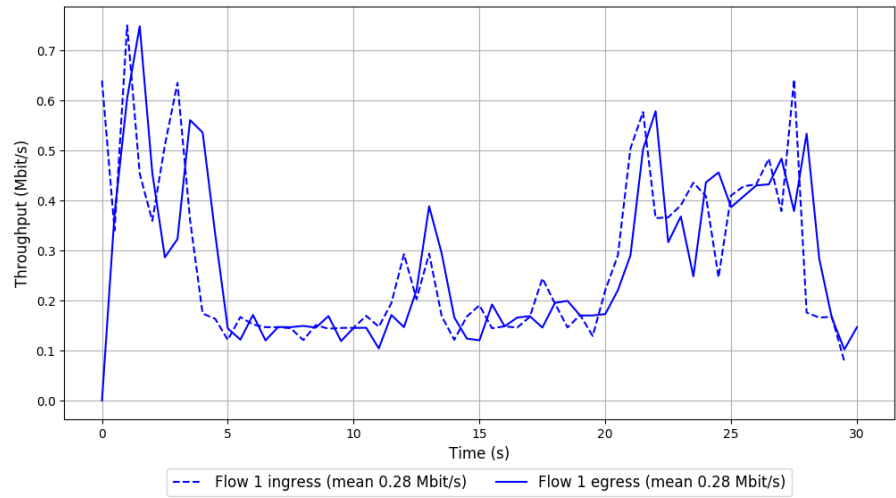
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 112.127 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

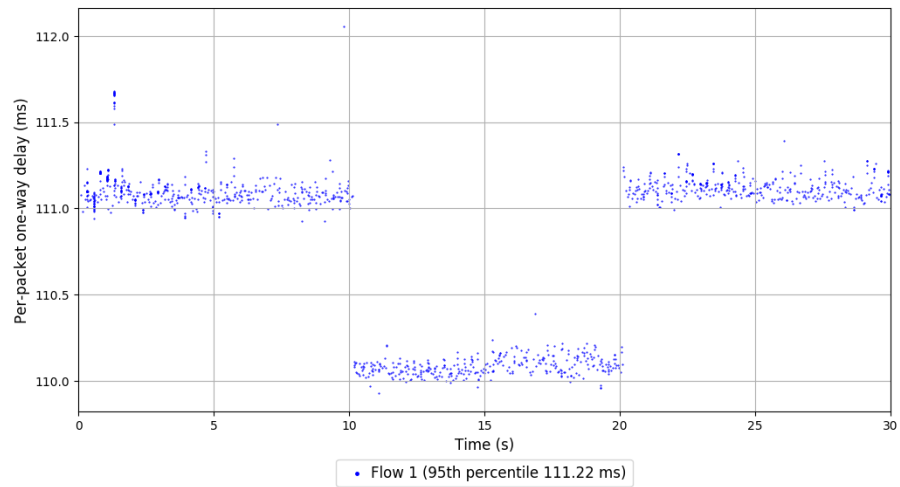
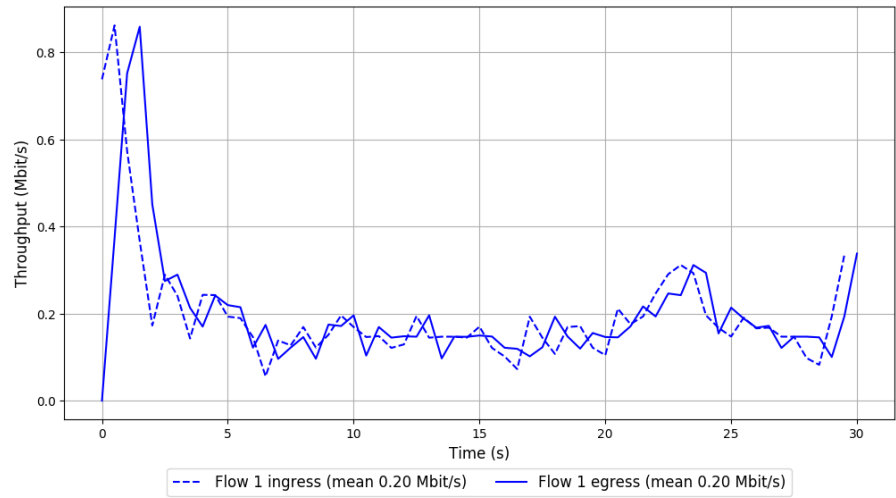


Run 6: Statistics of Sprout

Start at: 2018-08-27 21:42:46
End at: 2018-08-27 21:43:16
Local clock offset: -0.193 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.223 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

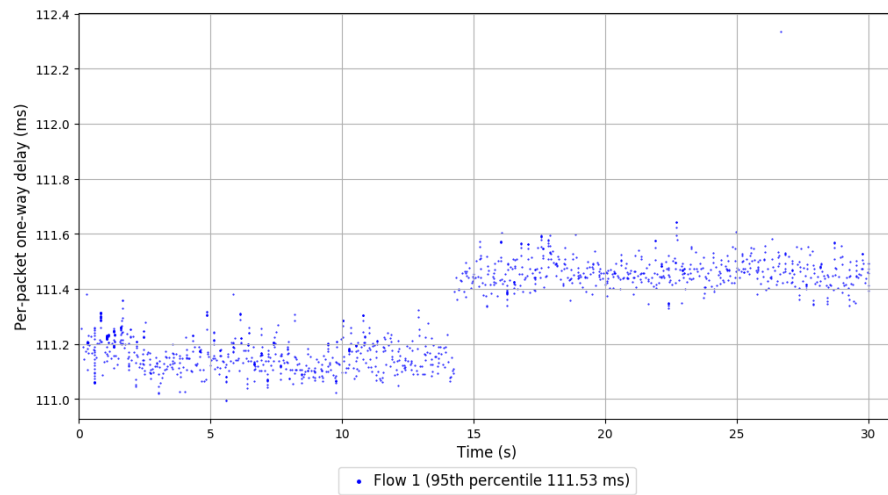
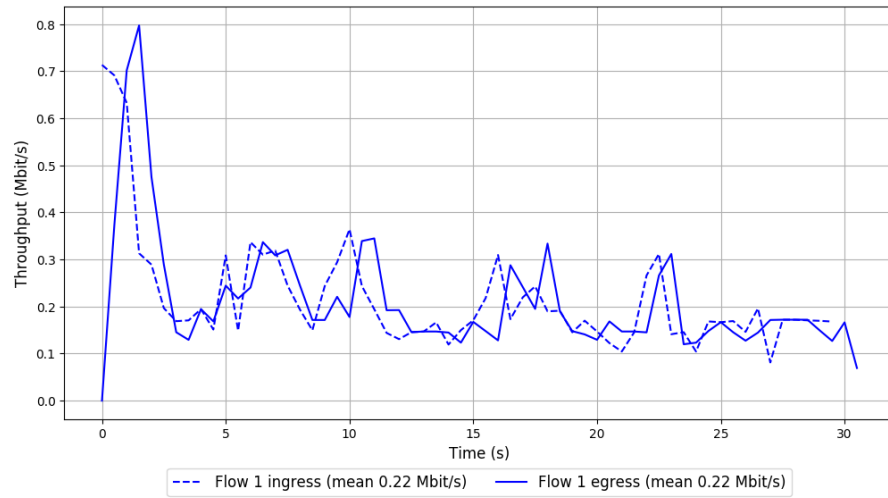


Run 7: Statistics of Sprout

Start at: 2018-08-27 22:07:02
End at: 2018-08-27 22:07:32
Local clock offset: -0.197 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.533 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-27 22:30:56

End at: 2018-08-27 22:31:26

Local clock offset: 0.048 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 110.927 ms

Loss rate: 0.00%

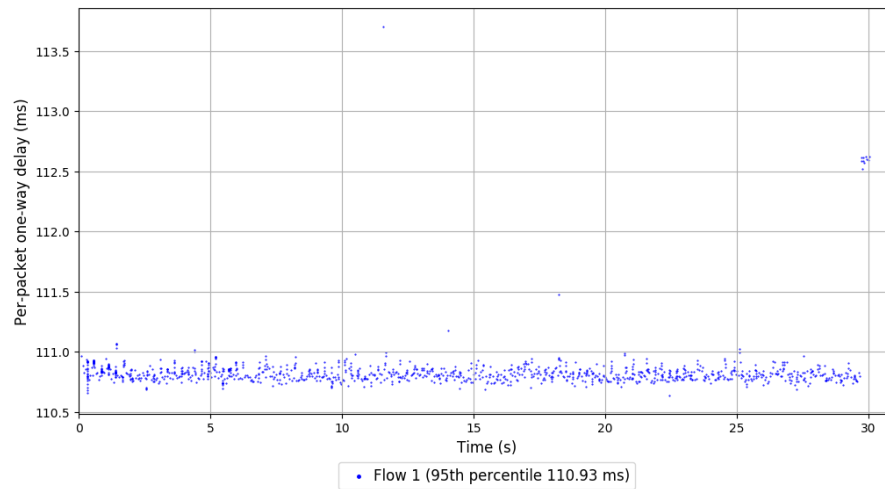
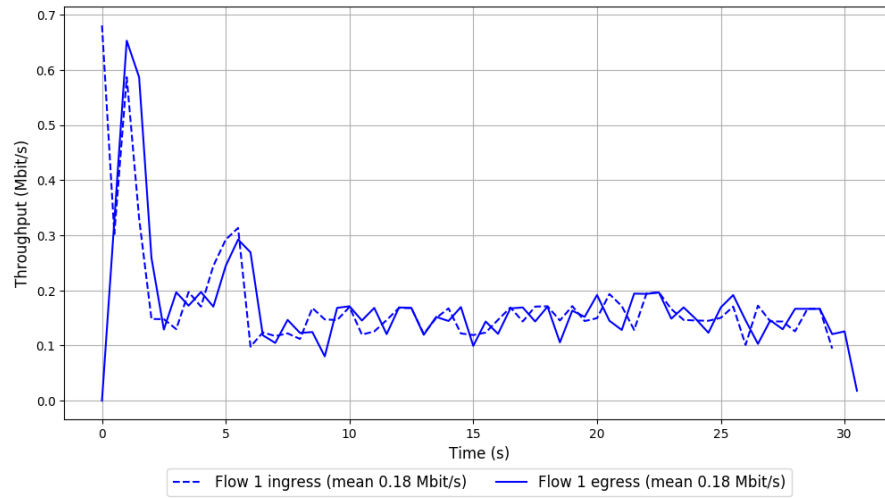
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 110.927 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

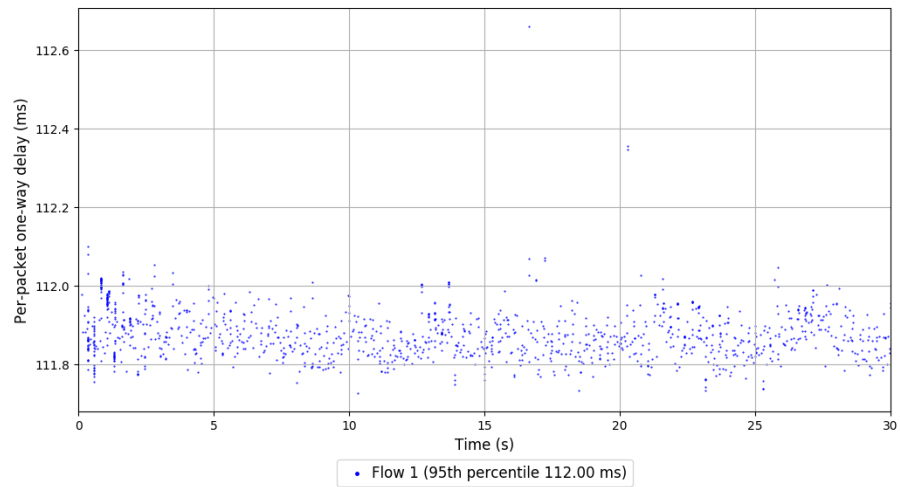
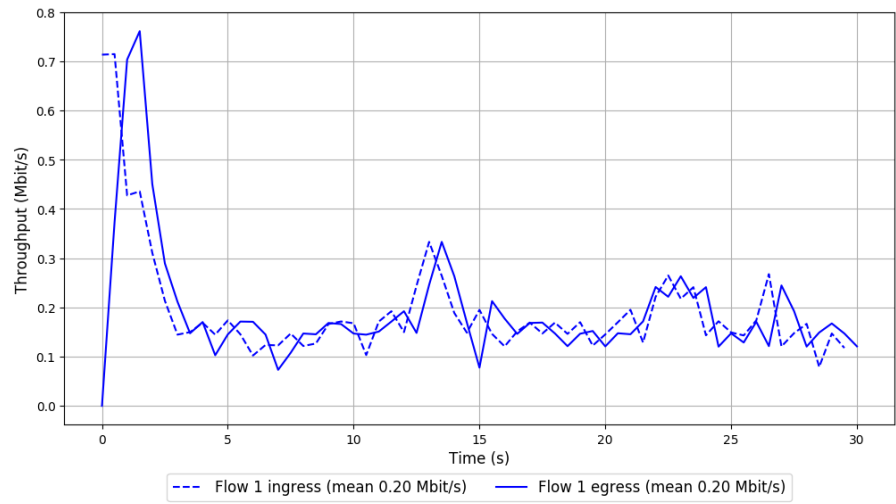


Run 9: Statistics of Sprout

Start at: 2018-08-27 22:55:06
End at: 2018-08-27 22:55:36
Local clock offset: -0.049 ms
Remote clock offset: -0.432 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.995 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-27 23:19:41

End at: 2018-08-27 23:20:11

Local clock offset: -2.821 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 115.214 ms

Loss rate: 0.00%

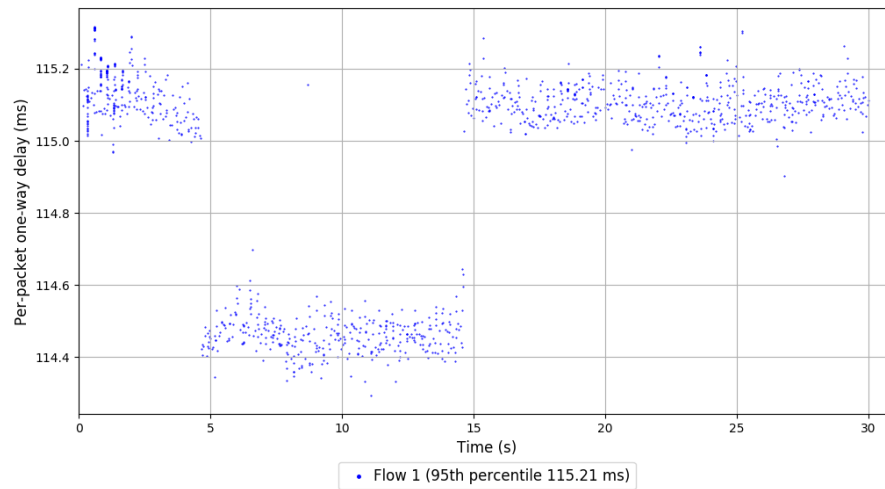
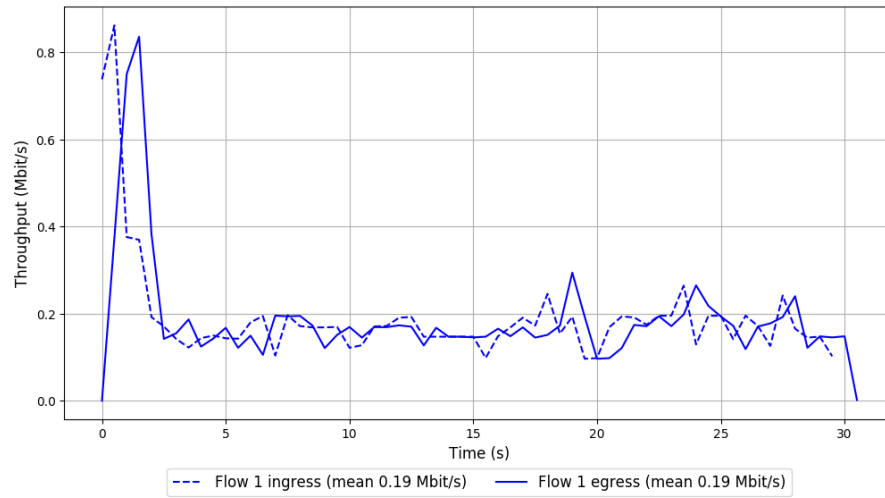
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 115.214 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-27 19:33:31

End at: 2018-08-27 19:34:01

Local clock offset: 0.064 ms

Remote clock offset: 0.711 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 112.282 ms

Loss rate: 0.01%

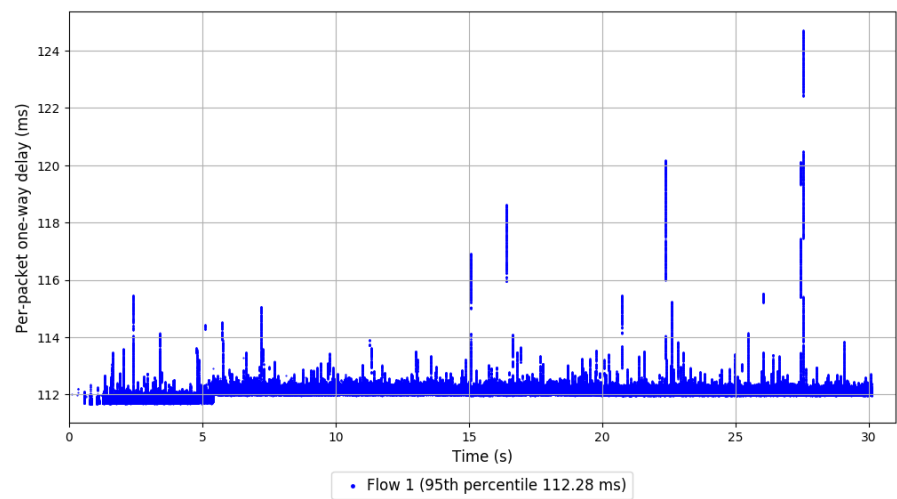
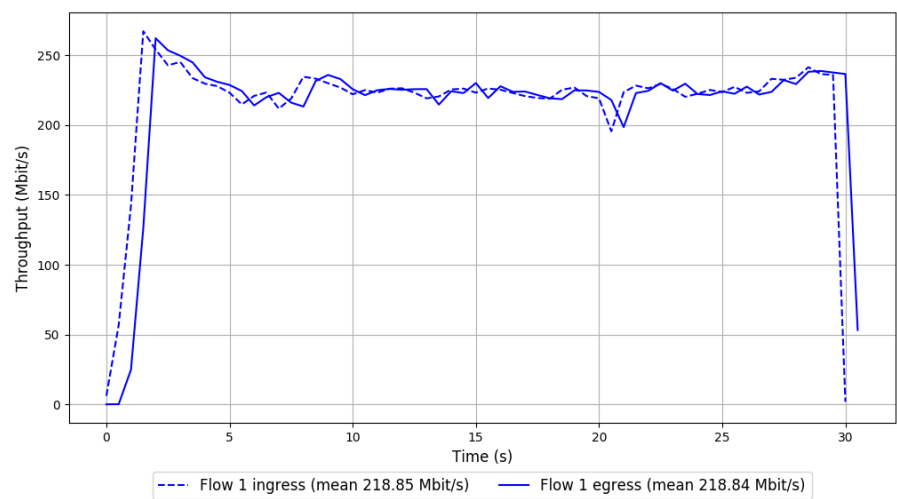
-- Flow 1:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 112.282 ms

Loss rate: 0.01%

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

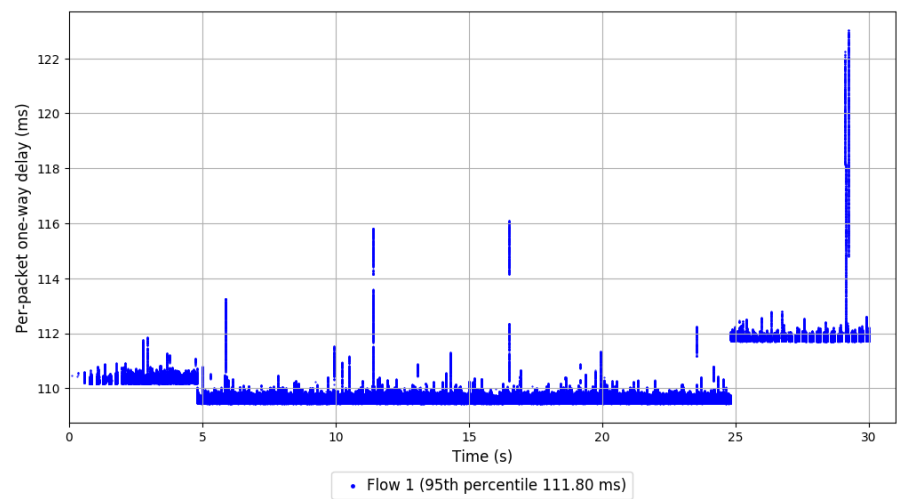
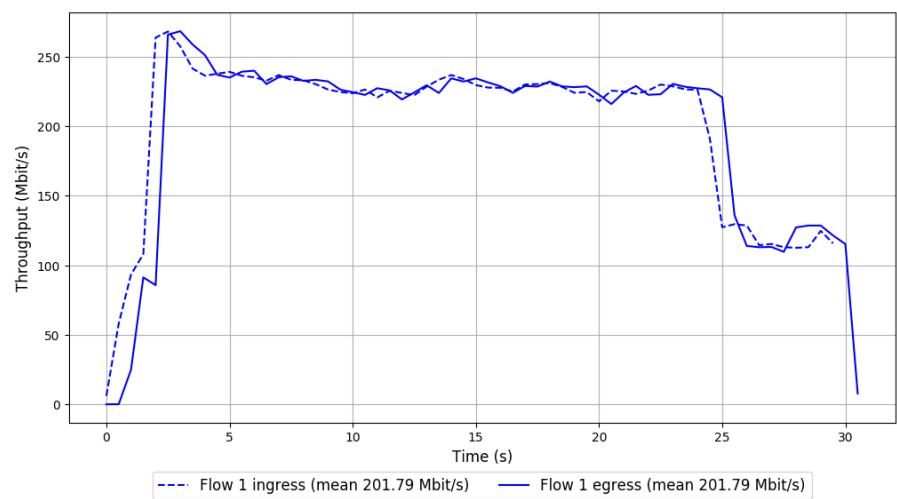


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-27 19:58:01
End at: 2018-08-27 19:58:31
Local clock offset: -0.052 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.79 Mbit/s
95th percentile per-packet one-way delay: 111.798 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.79 Mbit/s
95th percentile per-packet one-way delay: 111.798 ms
Loss rate: 0.00%

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

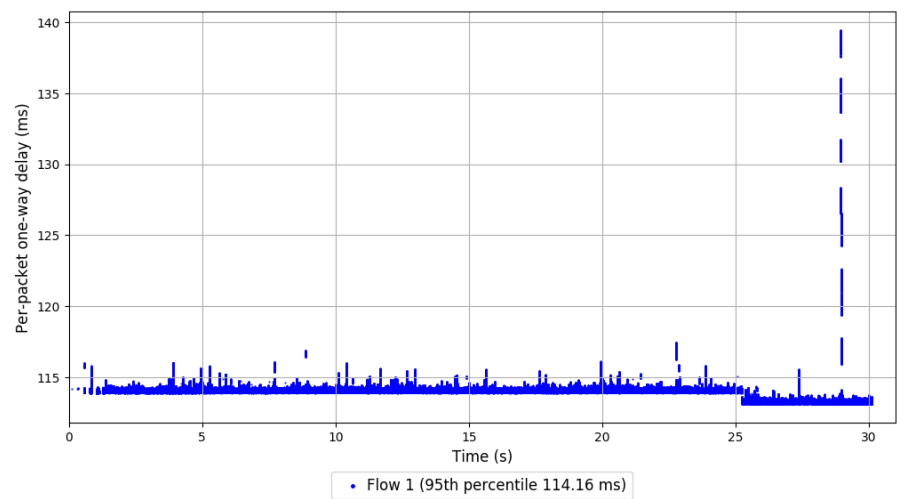
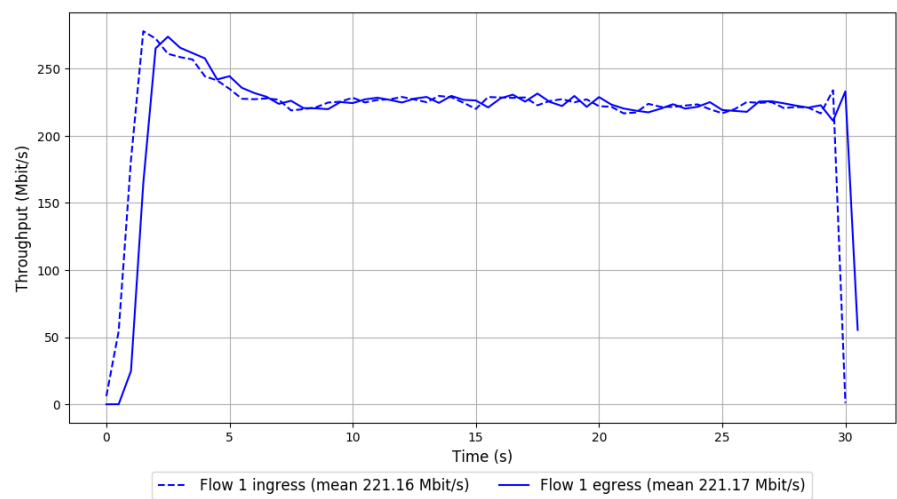


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-27 20:22:51
End at: 2018-08-27 20:23:21
Local clock offset: -2.938 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-08-28 01:45:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.17 Mbit/s
95th percentile per-packet one-way delay: 114.160 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.17 Mbit/s
95th percentile per-packet one-way delay: 114.160 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-27 20:47:10

End at: 2018-08-27 20:47:40

Local clock offset: -2.872 ms

Remote clock offset: 2.031 ms

Below is generated by plot.py at 2018-08-28 01:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.47 Mbit/s

95th percentile per-packet one-way delay: 117.283 ms

Loss rate: 0.00%

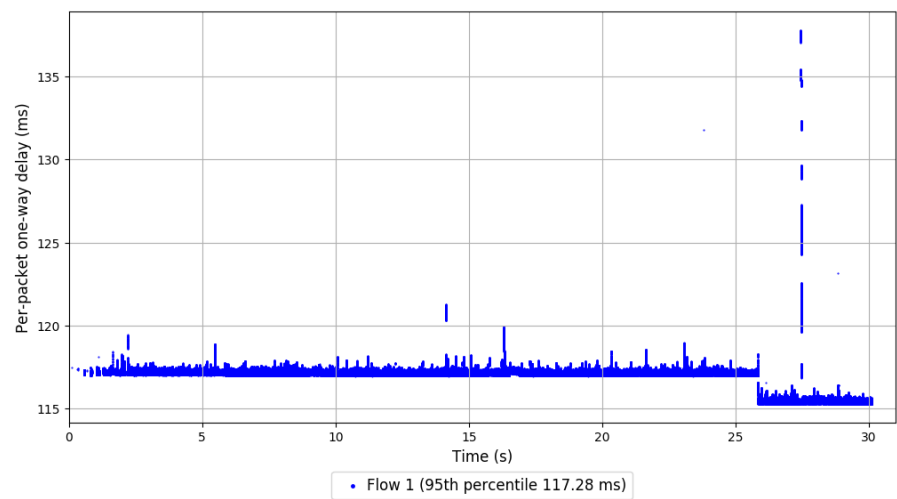
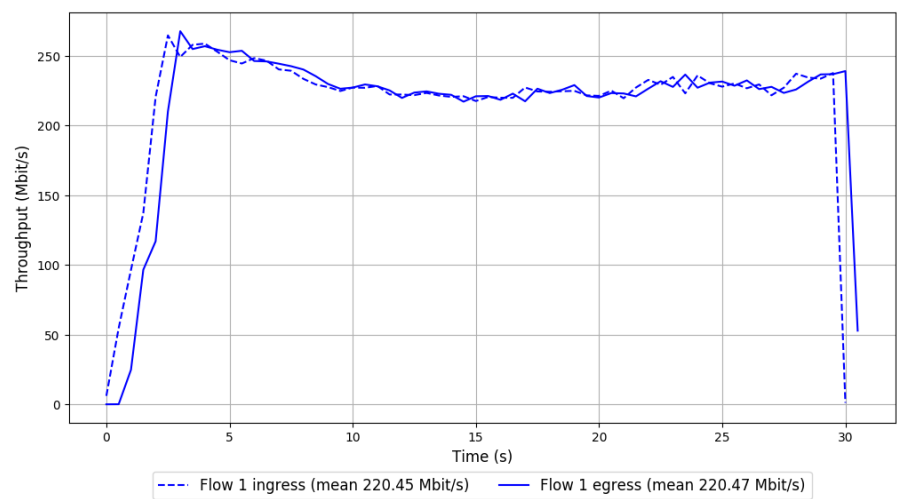
-- Flow 1:

Average throughput: 220.47 Mbit/s

95th percentile per-packet one-way delay: 117.283 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-27 21:11:23

End at: 2018-08-27 21:11:53

Local clock offset: -2.963 ms

Remote clock offset: 2.95 ms

Below is generated by plot.py at 2018-08-28 01:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.85 Mbit/s

95th percentile per-packet one-way delay: 116.587 ms

Loss rate: 0.00%

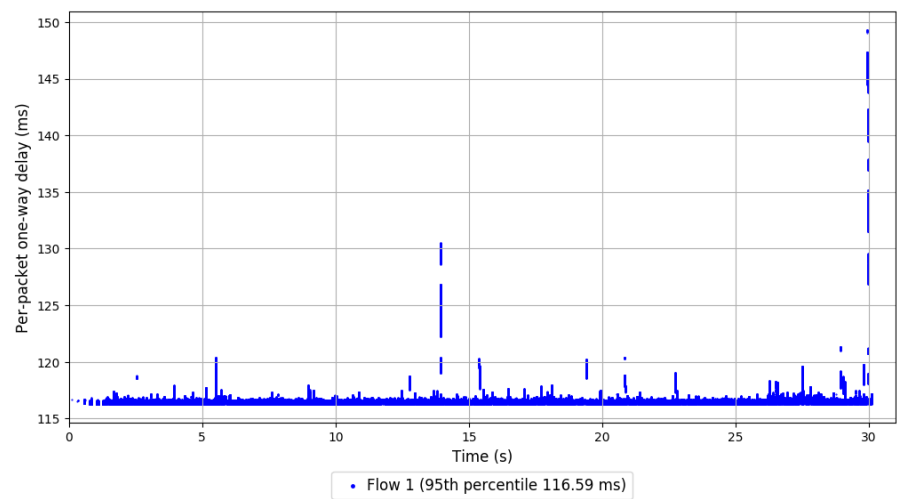
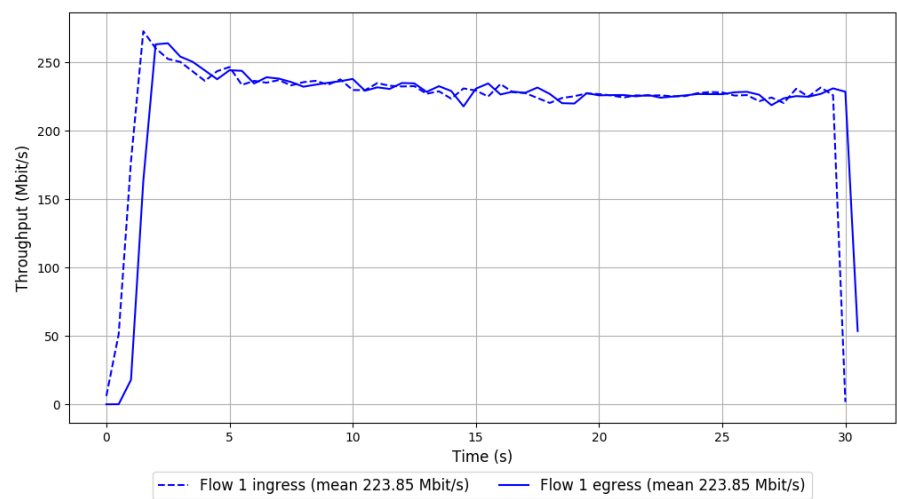
-- Flow 1:

Average throughput: 223.85 Mbit/s

95th percentile per-packet one-way delay: 116.587 ms

Loss rate: 0.00%

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

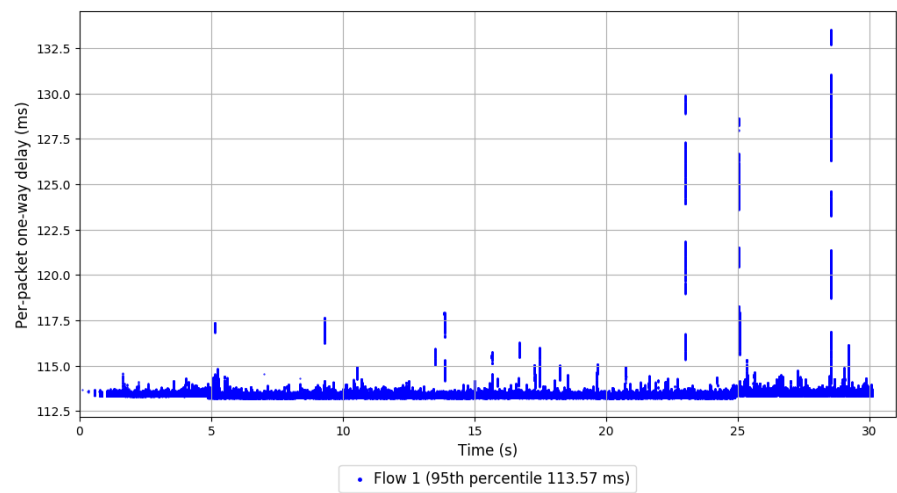
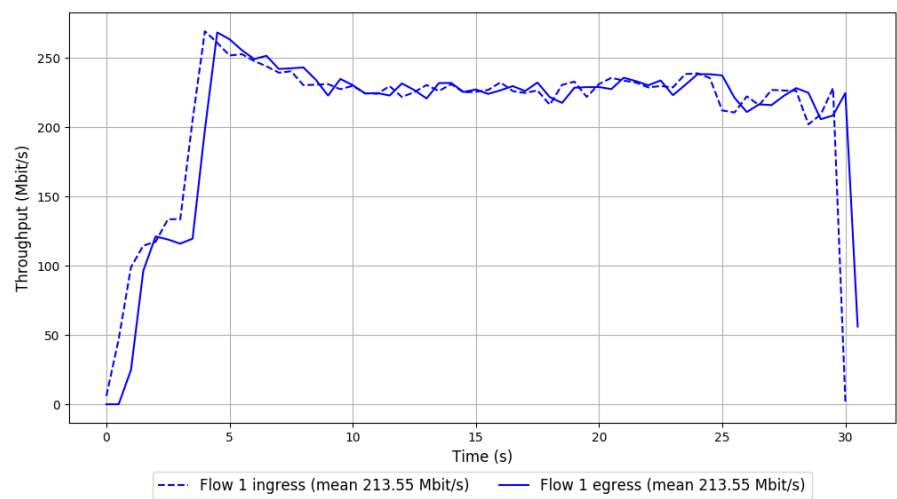


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-27 21:35:29
End at: 2018-08-27 21:35:59
Local clock offset: -2.838 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-08-28 01:50:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.55 Mbit/s
95th percentile per-packet one-way delay: 113.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.55 Mbit/s
95th percentile per-packet one-way delay: 113.568 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-27 22:00:01

End at: 2018-08-27 22:00:31

Local clock offset: -2.841 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-28 01:51:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.66 Mbit/s

95th percentile per-packet one-way delay: 113.678 ms

Loss rate: 0.00%

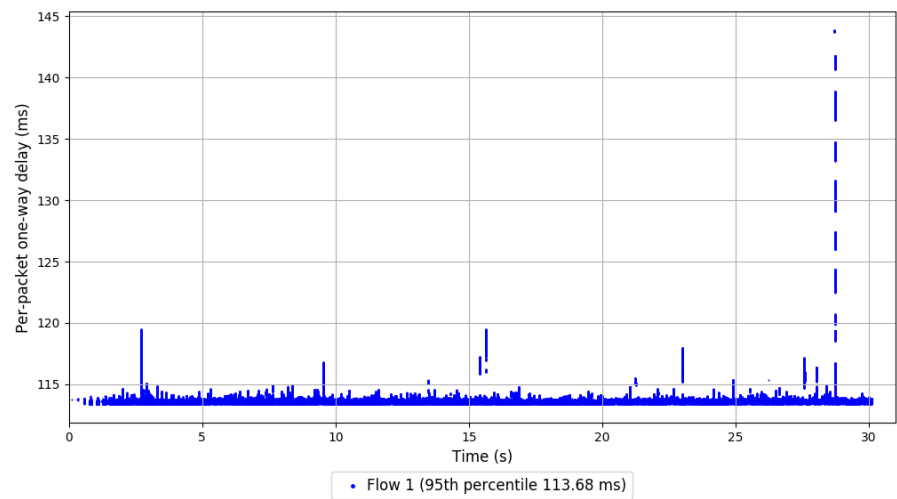
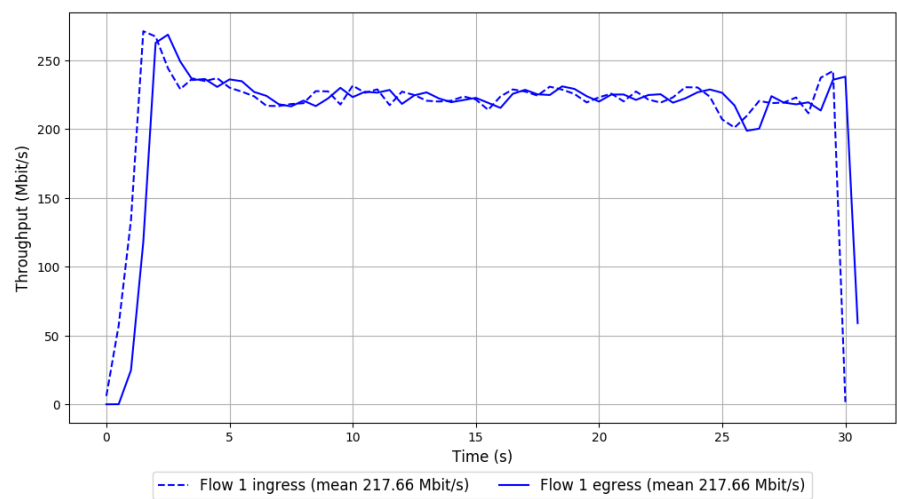
-- Flow 1:

Average throughput: 217.66 Mbit/s

95th percentile per-packet one-way delay: 113.678 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-27 22:24:00

End at: 2018-08-27 22:24:30

Local clock offset: -2.827 ms

Remote clock offset: 1.808 ms

Below is generated by plot.py at 2018-08-28 01:51:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.68 Mbit/s

95th percentile per-packet one-way delay: 116.339 ms

Loss rate: 0.00%

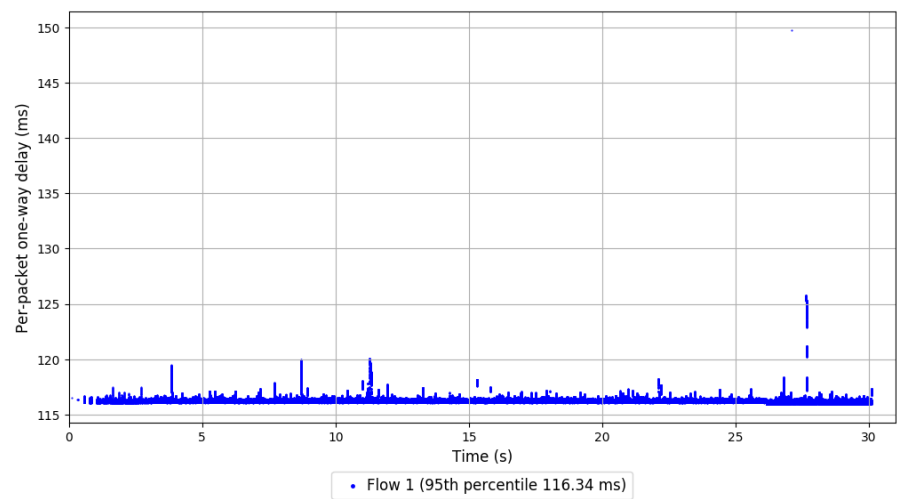
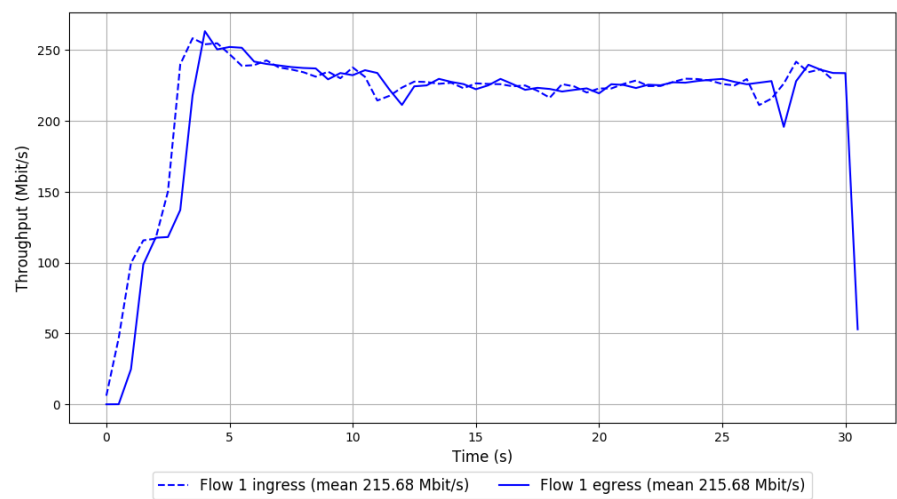
-- Flow 1:

Average throughput: 215.68 Mbit/s

95th percentile per-packet one-way delay: 116.339 ms

Loss rate: 0.00%

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

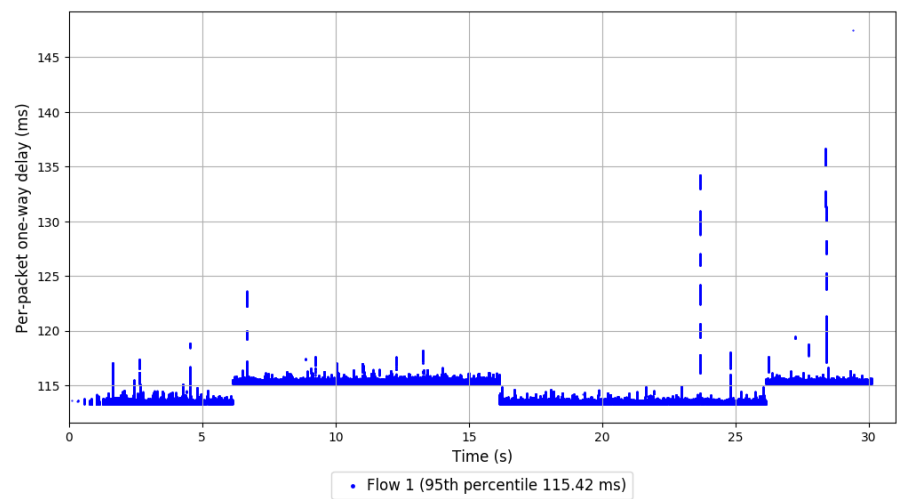
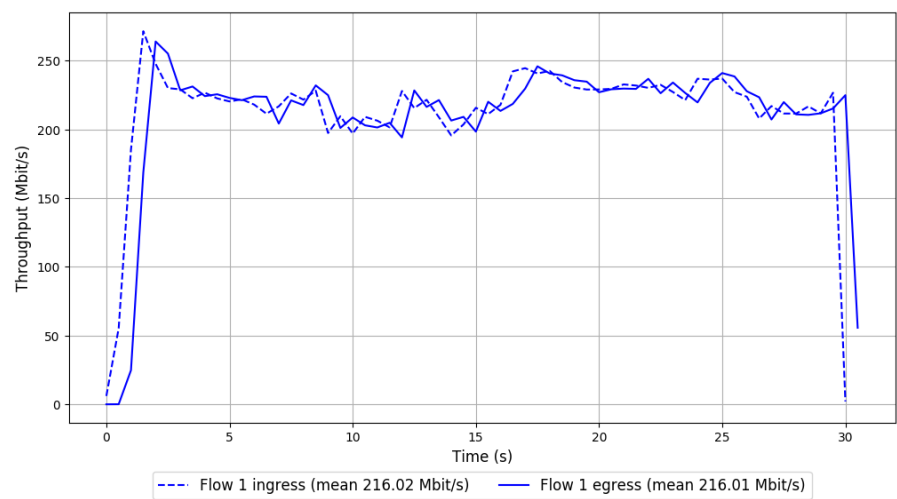


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-27 22:48:00
End at: 2018-08-27 22:48:30
Local clock offset: -2.733 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-28 01:51:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.01 Mbit/s
95th percentile per-packet one-way delay: 115.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.01 Mbit/s
95th percentile per-packet one-way delay: 115.416 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-27 23:12:16

End at: 2018-08-27 23:12:46

Local clock offset: 0.11 ms

Remote clock offset: 2.012 ms

Below is generated by plot.py at 2018-08-28 01:51:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.23 Mbit/s

95th percentile per-packet one-way delay: 113.578 ms

Loss rate: 0.00%

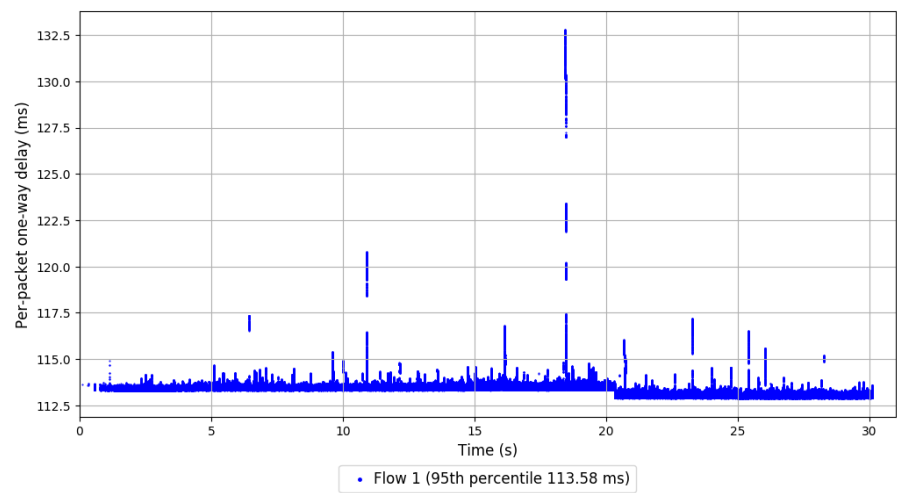
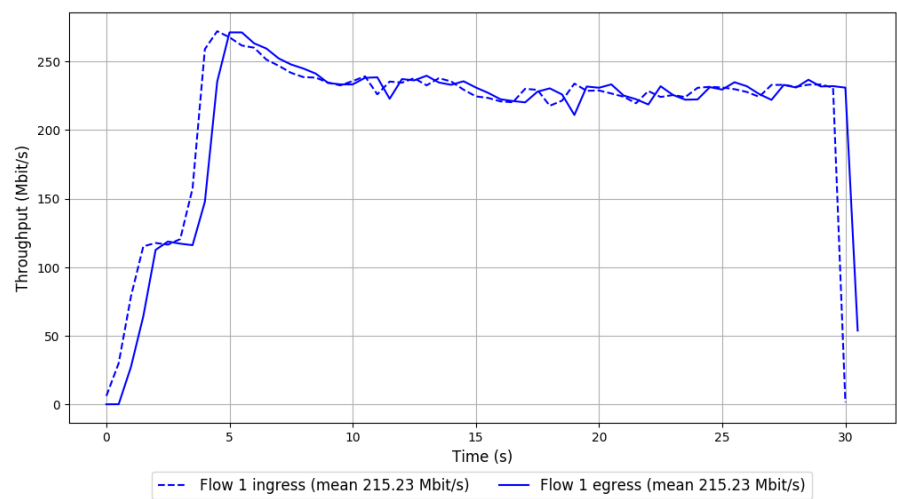
-- Flow 1:

Average throughput: 215.23 Mbit/s

95th percentile per-packet one-way delay: 113.578 ms

Loss rate: 0.00%

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

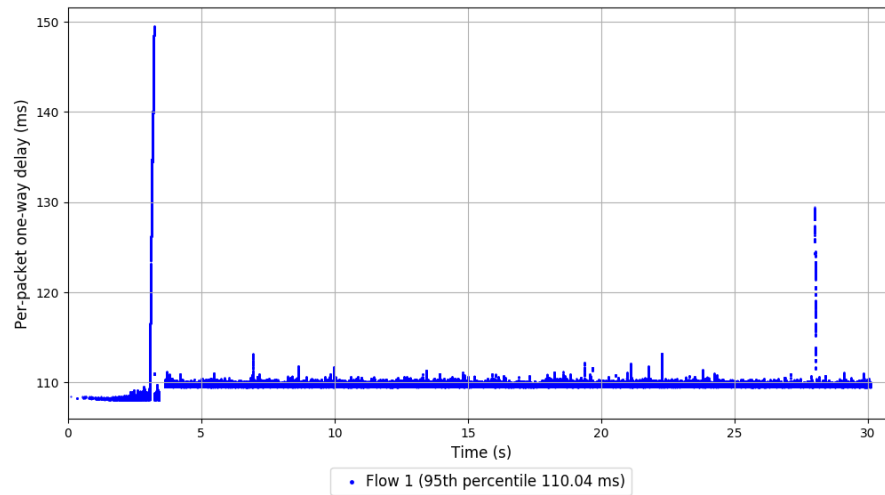
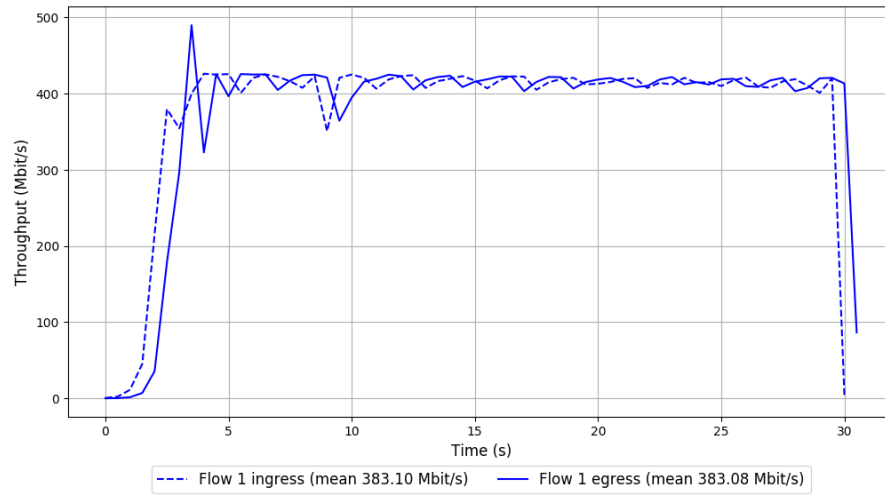


Run 1: Statistics of TCP Vegas

Start at: 2018-08-27 19:32:03
End at: 2018-08-27 19:32:33
Local clock offset: 2.843 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-08-28 01:51:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.08 Mbit/s
95th percentile per-packet one-way delay: 110.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 383.08 Mbit/s
95th percentile per-packet one-way delay: 110.043 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

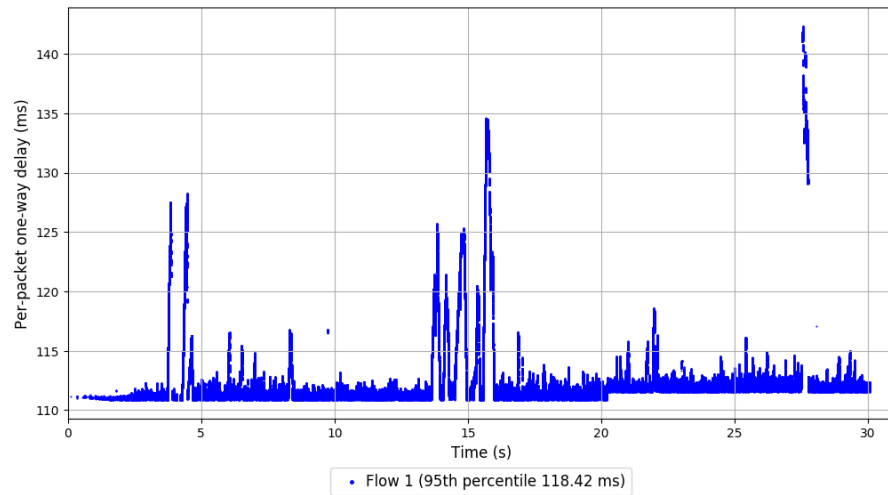
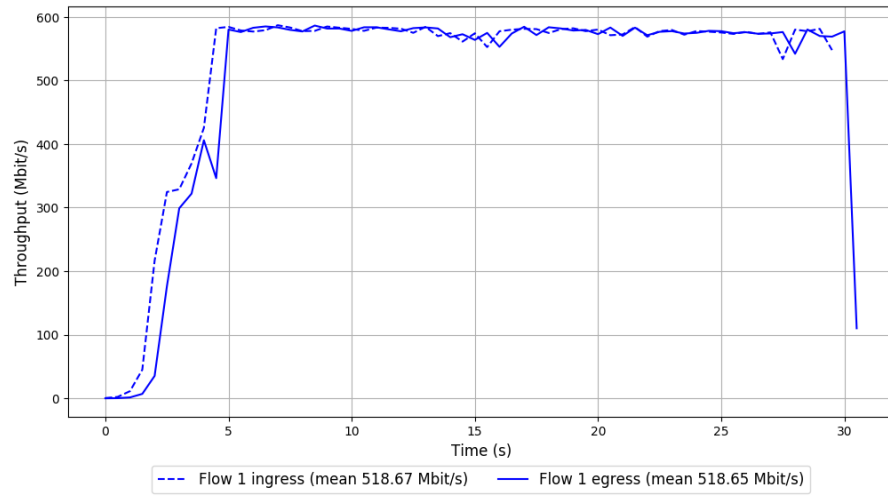


Run 2: Statistics of TCP Vegas

Start at: 2018-08-27 19:56:26
End at: 2018-08-27 19:56:56
Local clock offset: -0.03 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-08-28 01:56:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.65 Mbit/s
95th percentile per-packet one-way delay: 118.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 518.65 Mbit/s
95th percentile per-packet one-way delay: 118.420 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

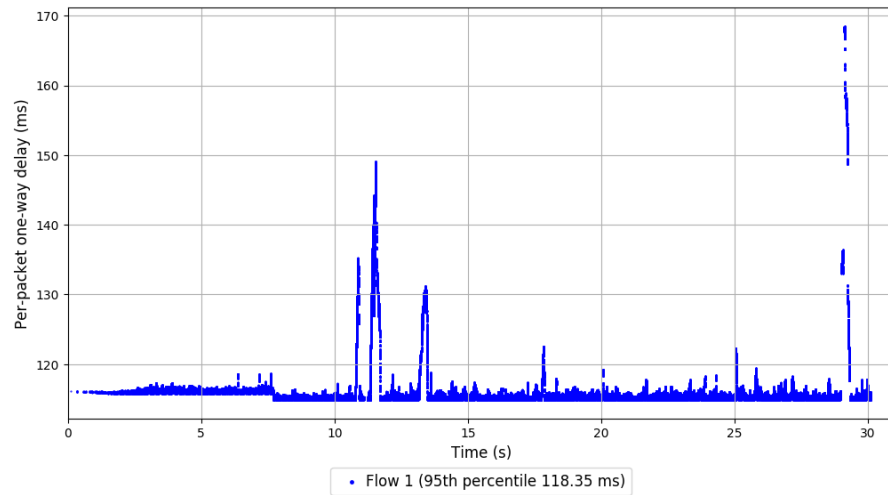
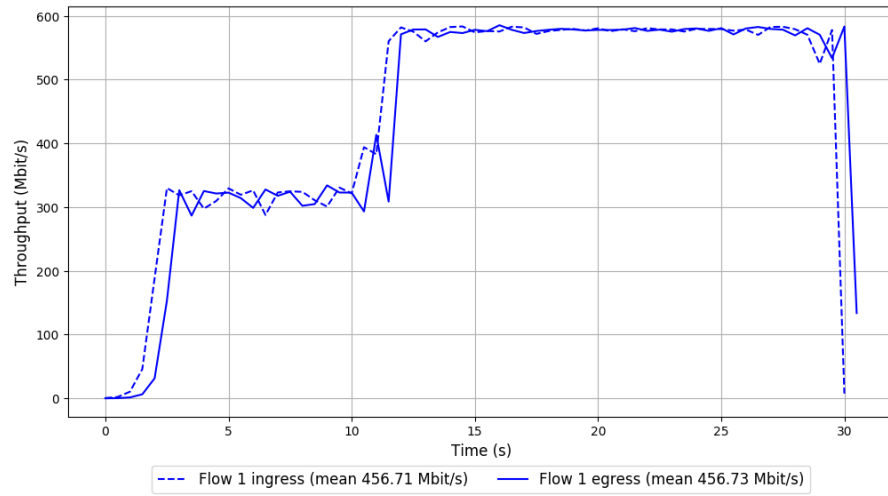


Run 3: Statistics of TCP Vegas

Start at: 2018-08-27 20:21:18
End at: 2018-08-27 20:21:48
Local clock offset: -3.083 ms
Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-08-28 01:58:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 456.73 Mbit/s
95th percentile per-packet one-way delay: 118.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 456.73 Mbit/s
95th percentile per-packet one-way delay: 118.346 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-27 20:45:37

End at: 2018-08-27 20:46:07

Local clock offset: -3.01 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-28 01:59:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 479.06 Mbit/s

95th percentile per-packet one-way delay: 114.750 ms

Loss rate: 0.00%

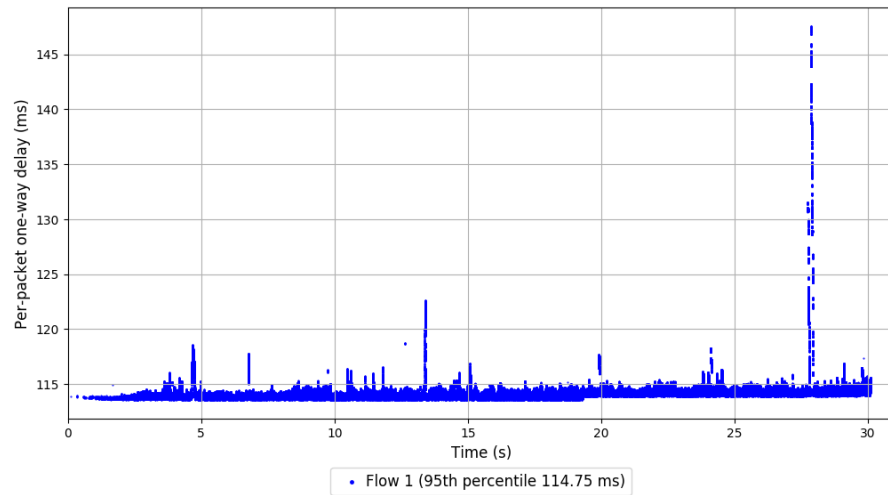
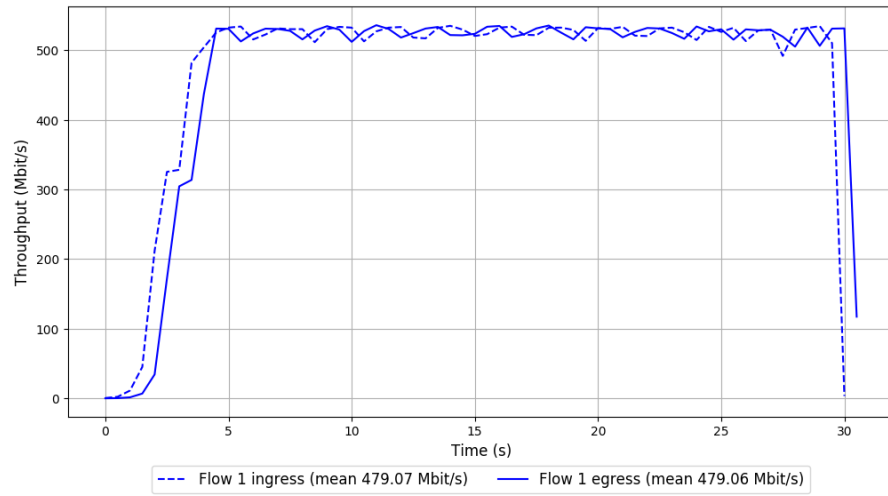
-- Flow 1:

Average throughput: 479.06 Mbit/s

95th percentile per-packet one-way delay: 114.750 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-27 21:09:56

End at: 2018-08-27 21:10:26

Local clock offset: -3.107 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2018-08-28 01:59:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.05 Mbit/s

95th percentile per-packet one-way delay: 115.554 ms

Loss rate: 0.05%

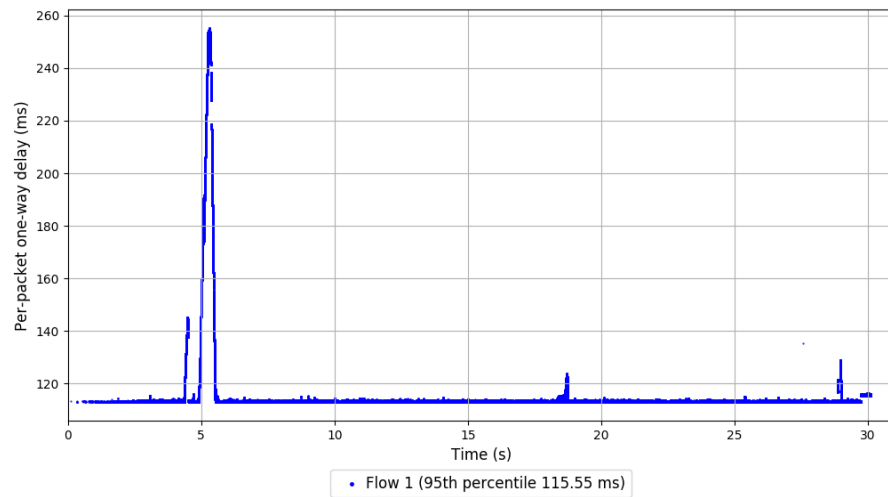
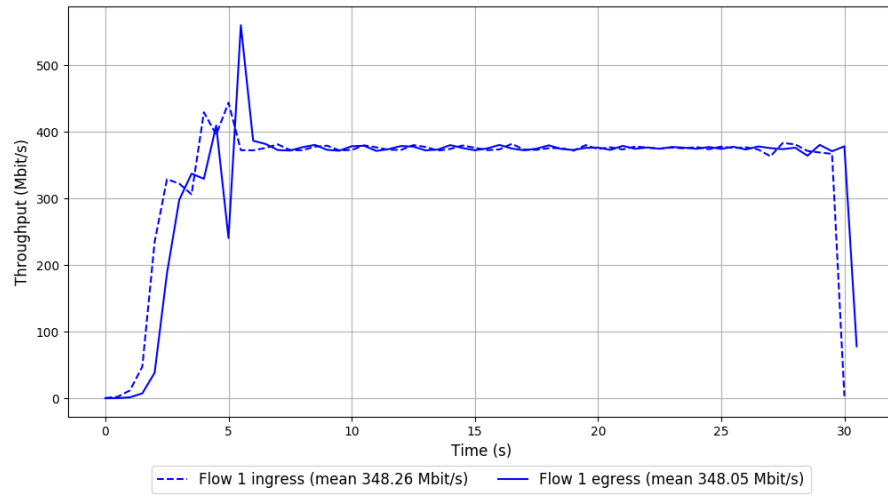
-- Flow 1:

Average throughput: 348.05 Mbit/s

95th percentile per-packet one-way delay: 115.554 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-27 21:34:03

End at: 2018-08-27 21:34:33

Local clock offset: -0.014 ms

Remote clock offset: 2.737 ms

Below is generated by plot.py at 2018-08-28 01:59:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.71 Mbit/s

95th percentile per-packet one-way delay: 114.820 ms

Loss rate: 0.00%

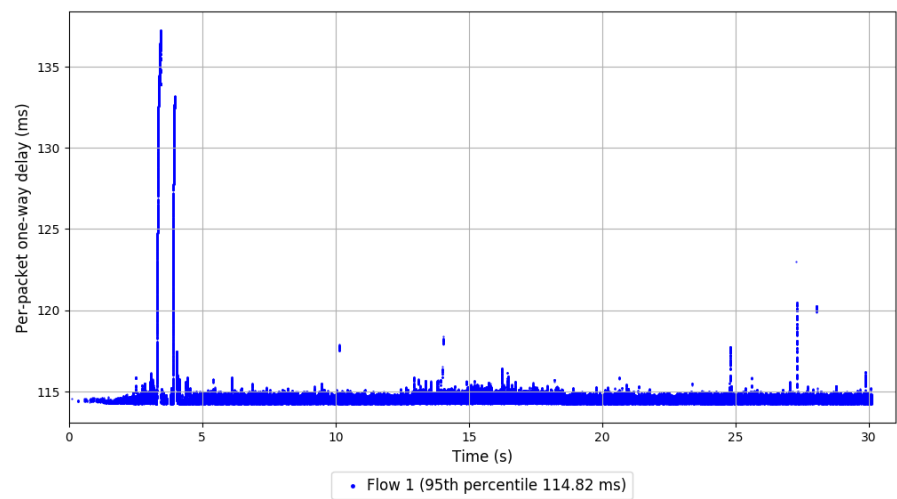
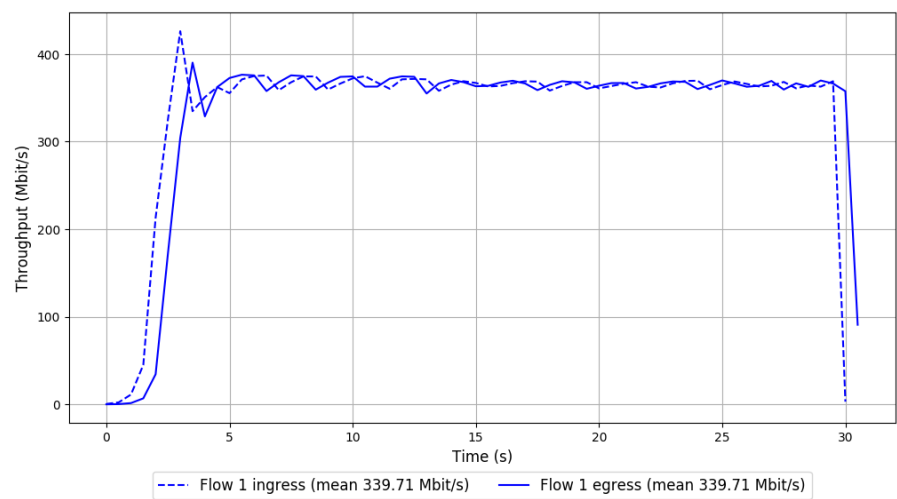
-- Flow 1:

Average throughput: 339.71 Mbit/s

95th percentile per-packet one-way delay: 114.820 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-27 21:58:30

End at: 2018-08-27 21:59:00

Local clock offset: -2.973 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-08-28 01:59:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 438.80 Mbit/s

95th percentile per-packet one-way delay: 114.983 ms

Loss rate: 0.00%

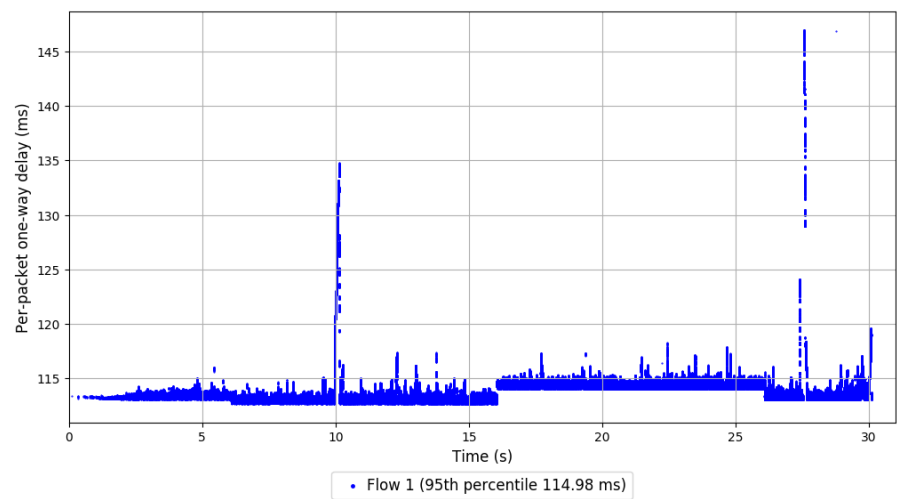
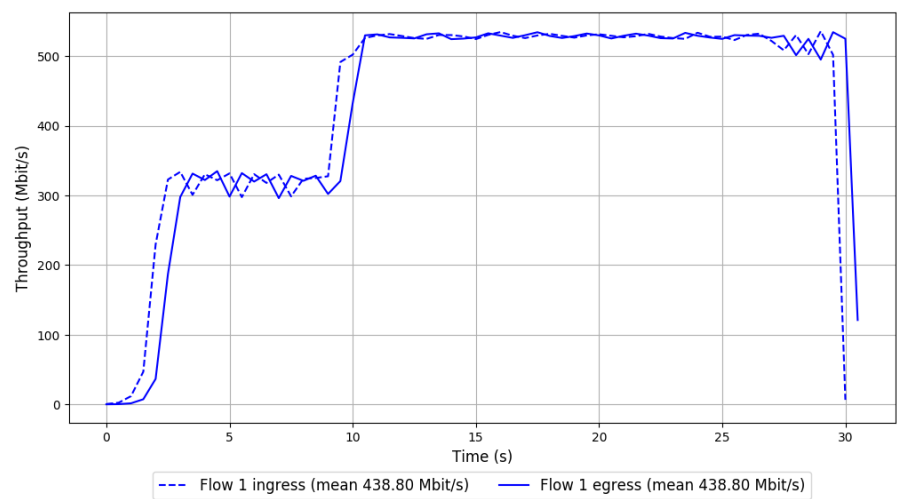
-- Flow 1:

Average throughput: 438.80 Mbit/s

95th percentile per-packet one-way delay: 114.983 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-27 22:22:45

End at: 2018-08-27 22:23:15

Local clock offset: -2.84 ms

Remote clock offset: 2.069 ms

Below is generated by plot.py at 2018-08-28 01:59:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.90 Mbit/s

95th percentile per-packet one-way delay: 116.106 ms

Loss rate: 0.00%

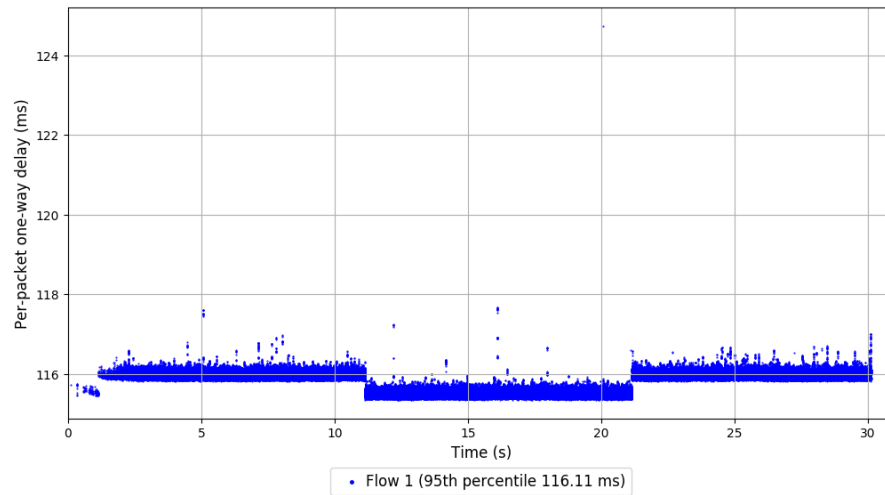
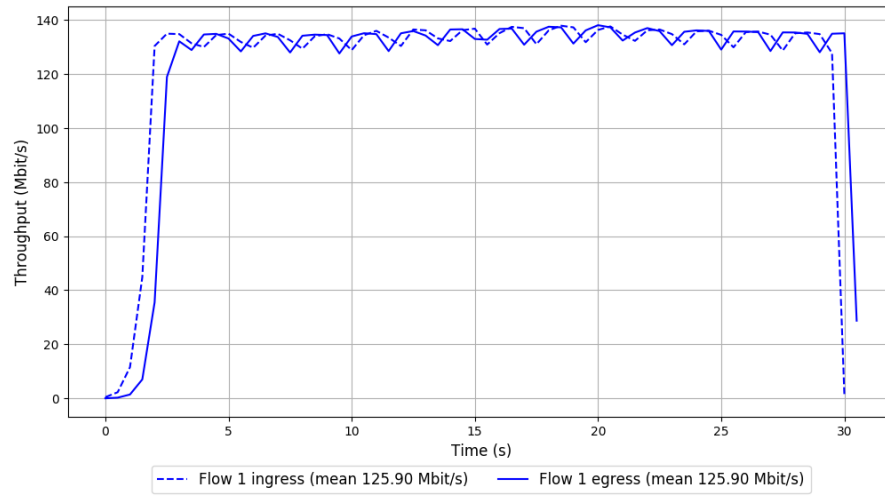
-- Flow 1:

Average throughput: 125.90 Mbit/s

95th percentile per-packet one-way delay: 116.106 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-27 22:46:34

End at: 2018-08-27 22:47:04

Local clock offset: -2.825 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-28 01:59:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.86 Mbit/s

95th percentile per-packet one-way delay: 114.557 ms

Loss rate: 0.00%

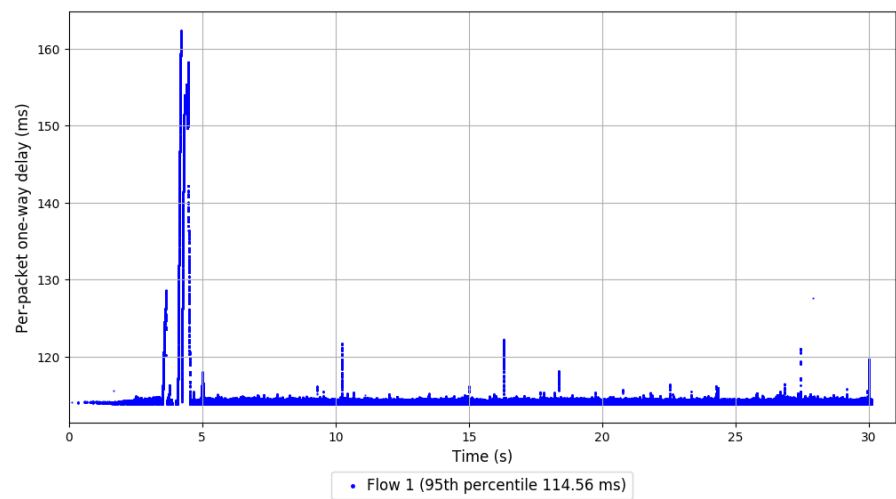
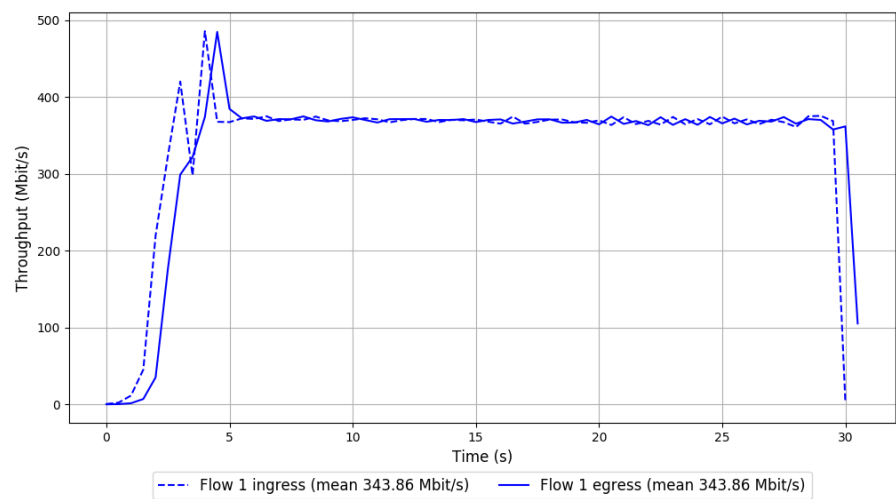
-- Flow 1:

Average throughput: 343.86 Mbit/s

95th percentile per-packet one-way delay: 114.557 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-27 23:10:54

End at: 2018-08-27 23:11:24

Local clock offset: -0.058 ms

Remote clock offset: 1.893 ms

Below is generated by plot.py at 2018-08-28 01:59:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.26 Mbit/s

95th percentile per-packet one-way delay: 118.421 ms

Loss rate: 0.00%

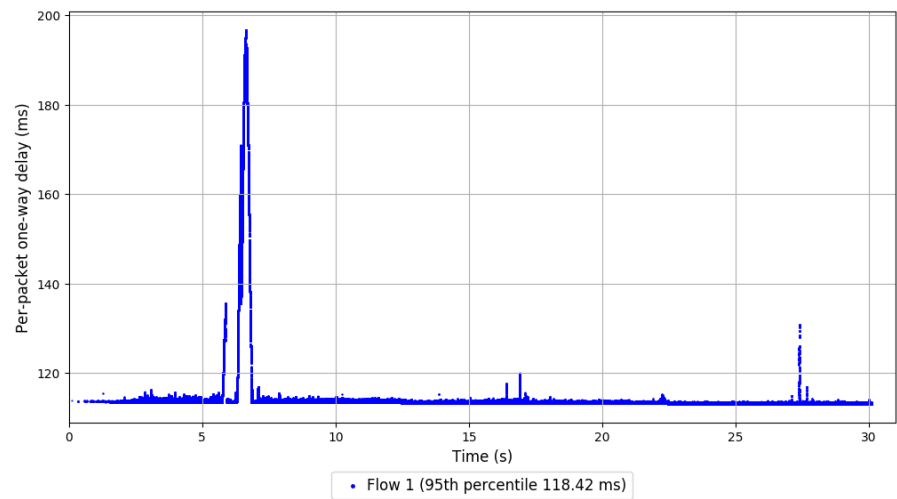
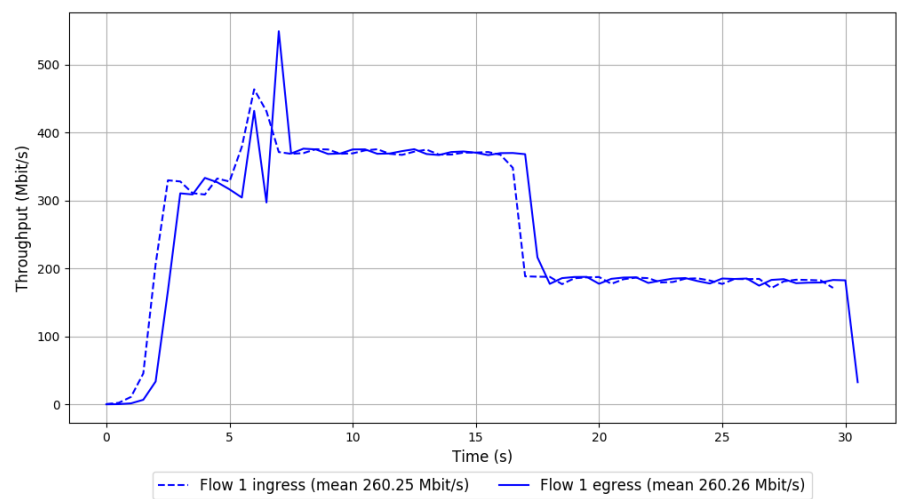
-- Flow 1:

Average throughput: 260.26 Mbit/s

95th percentile per-packet one-way delay: 118.421 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

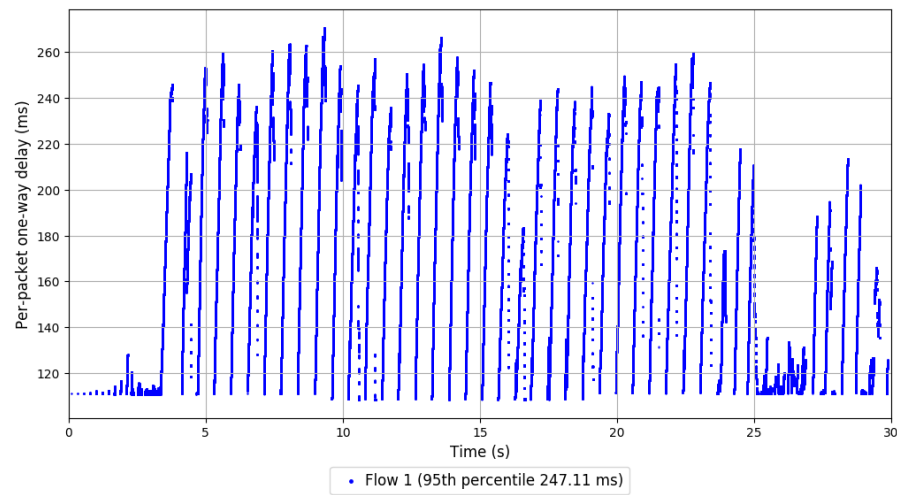
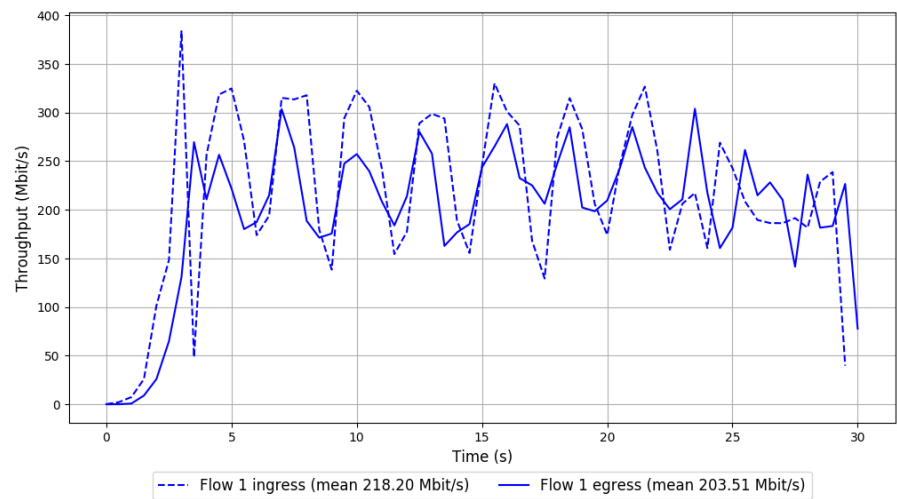


Run 1: Statistics of Verus

Start at: 2018-08-27 19:39:27
End at: 2018-08-27 19:39:57
Local clock offset: 0.038 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-08-28 02:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.51 Mbit/s
95th percentile per-packet one-way delay: 247.113 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 203.51 Mbit/s
95th percentile per-packet one-way delay: 247.113 ms
Loss rate: 6.73%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-27 20:04:01

End at: 2018-08-27 20:04:31

Local clock offset: -2.894 ms

Remote clock offset: 0.729 ms

Below is generated by plot.py at 2018-08-28 02:03:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.18 Mbit/s

95th percentile per-packet one-way delay: 259.885 ms

Loss rate: 8.07%

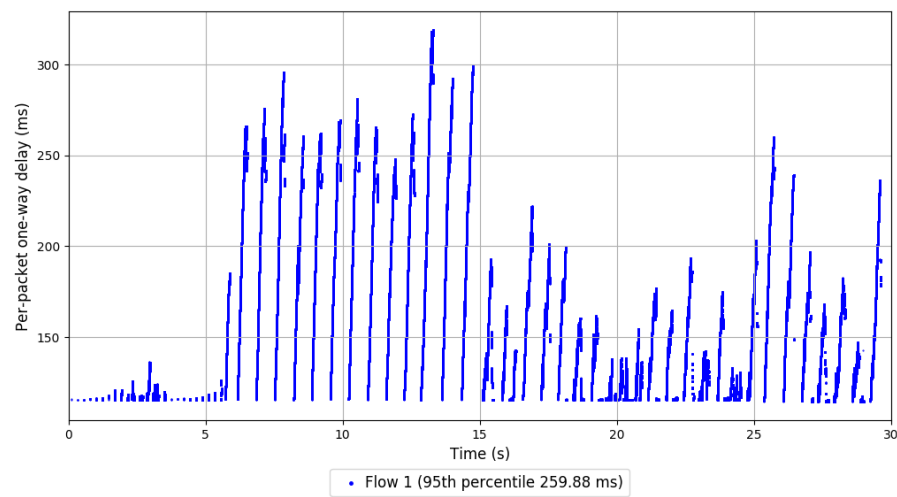
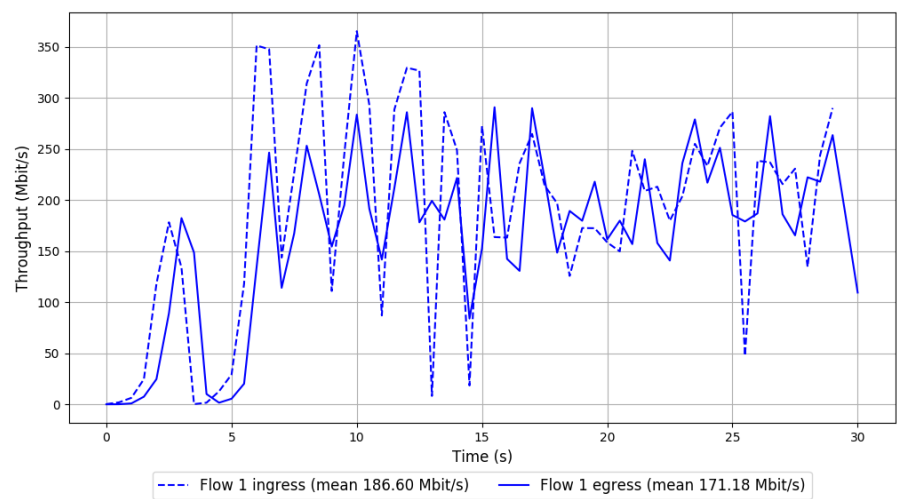
-- Flow 1:

Average throughput: 171.18 Mbit/s

95th percentile per-packet one-way delay: 259.885 ms

Loss rate: 8.07%

Run 2: Report of Verus — Data Link

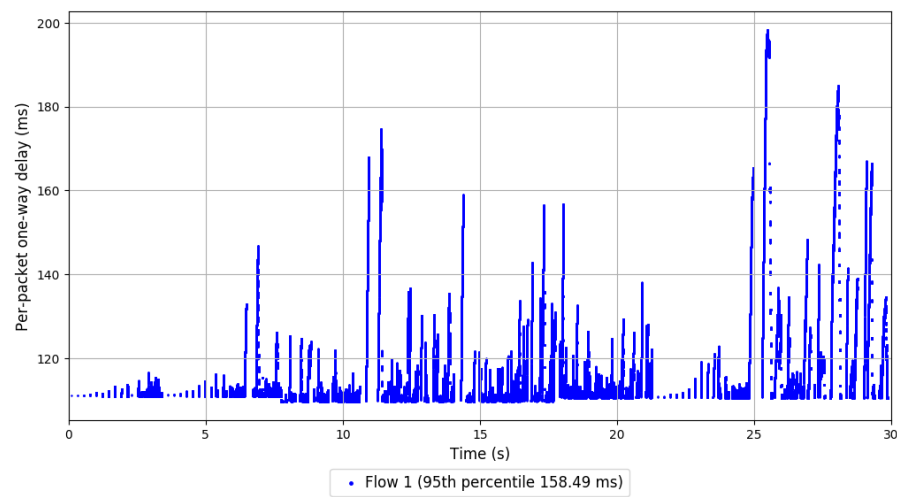
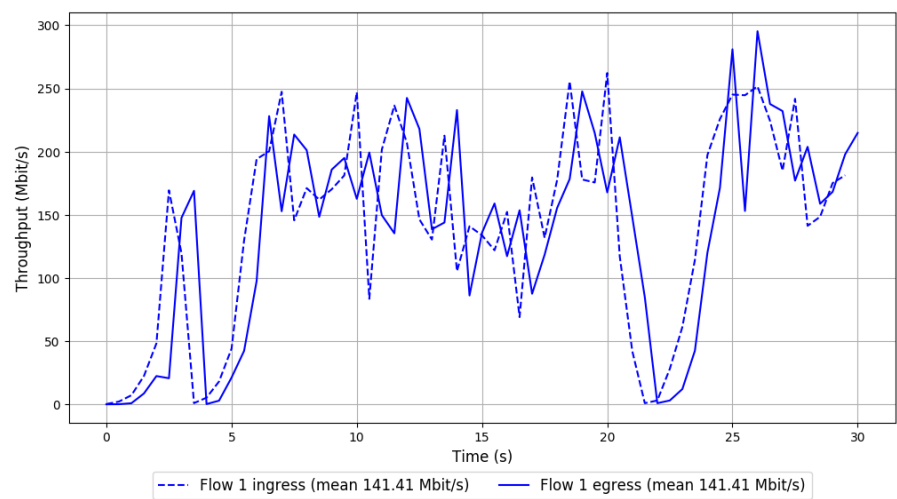


Run 3: Statistics of Verus

Start at: 2018-08-27 20:28:38
End at: 2018-08-27 20:29:08
Local clock offset: 0.084 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-08-28 02:03:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.41 Mbit/s
95th percentile per-packet one-way delay: 158.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 141.41 Mbit/s
95th percentile per-packet one-way delay: 158.491 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

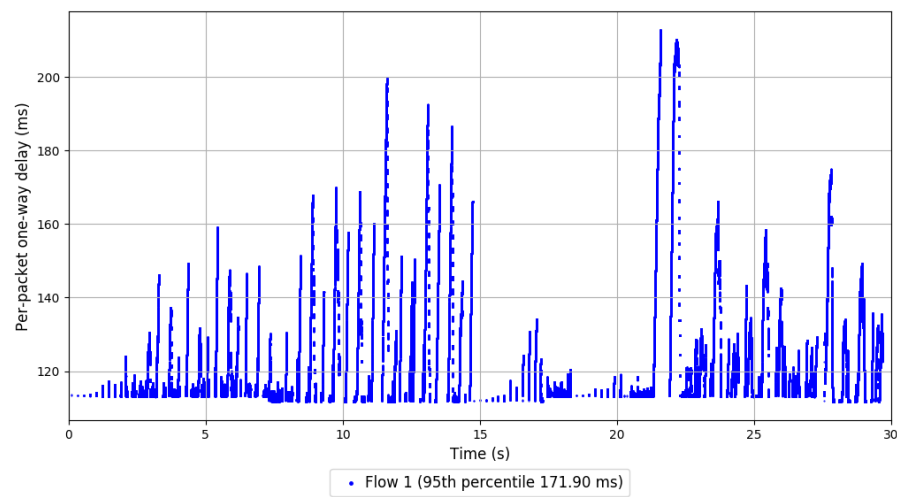
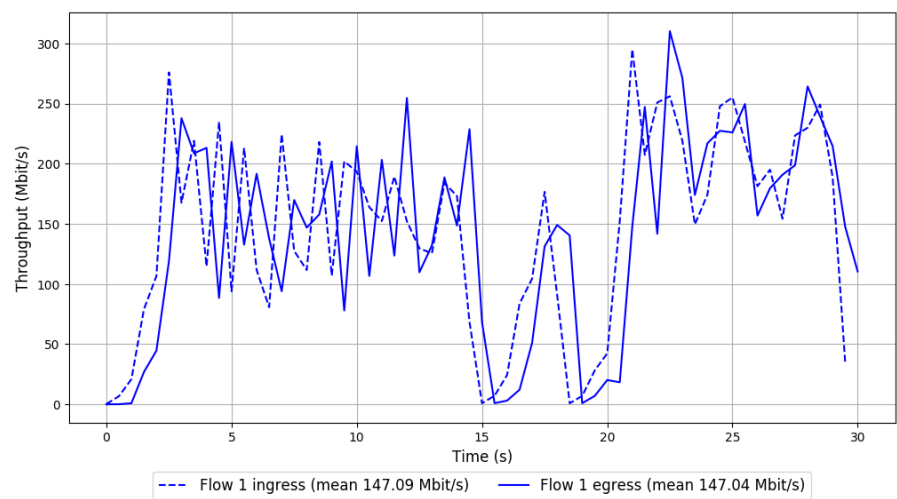


Run 4: Statistics of Verus

Start at: 2018-08-27 20:52:59
End at: 2018-08-27 20:53:29
Local clock offset: -0.036 ms
Remote clock offset: 2.548 ms

Below is generated by plot.py at 2018-08-28 02:03:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.04 Mbit/s
95th percentile per-packet one-way delay: 171.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.04 Mbit/s
95th percentile per-packet one-way delay: 171.901 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-27 21:17:13

End at: 2018-08-27 21:17:43

Local clock offset: -3.03 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-08-28 02:03:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.38 Mbit/s

95th percentile per-packet one-way delay: 246.519 ms

Loss rate: 4.01%

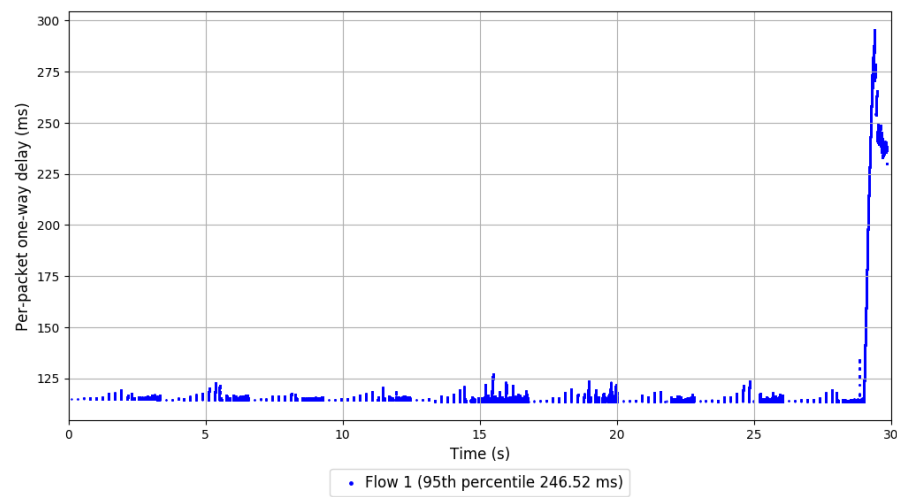
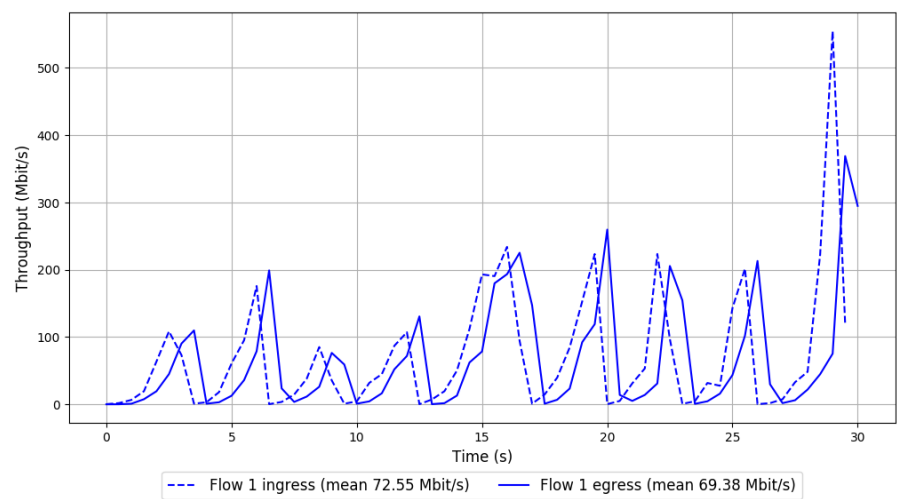
-- Flow 1:

Average throughput: 69.38 Mbit/s

95th percentile per-packet one-way delay: 246.519 ms

Loss rate: 4.01%

Run 5: Report of Verus — Data Link

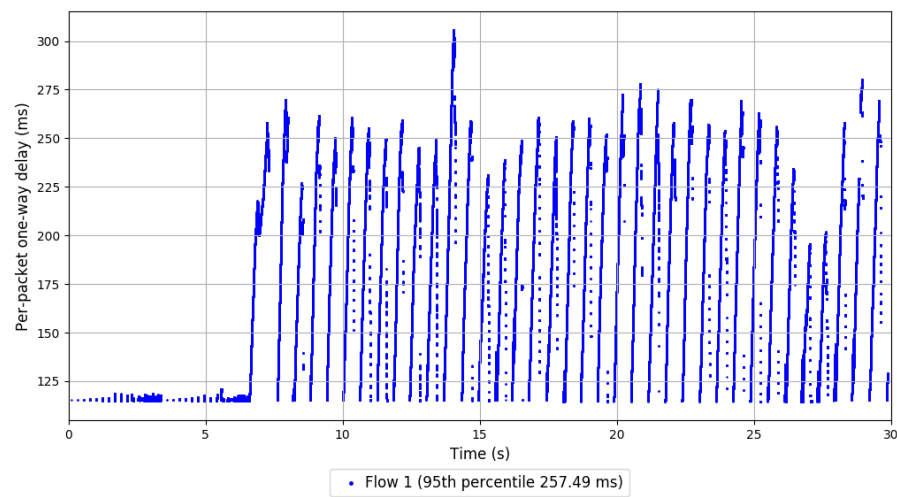
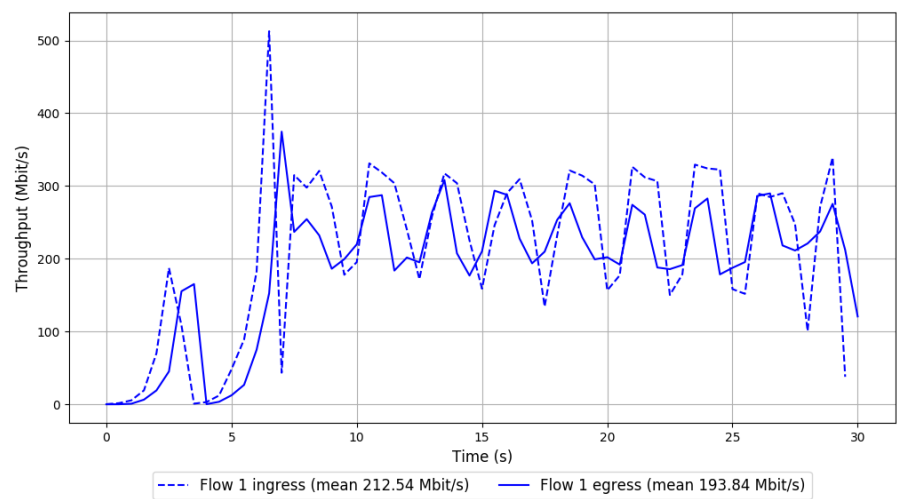


Run 6: Statistics of Verus

Start at: 2018-08-27 21:41:18
End at: 2018-08-27 21:41:48
Local clock offset: -2.867 ms
Remote clock offset: -0.595 ms

Below is generated by plot.py at 2018-08-28 02:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.84 Mbit/s
95th percentile per-packet one-way delay: 257.488 ms
Loss rate: 8.80%
-- Flow 1:
Average throughput: 193.84 Mbit/s
95th percentile per-packet one-way delay: 257.488 ms
Loss rate: 8.80%

Run 6: Report of Verus — Data Link

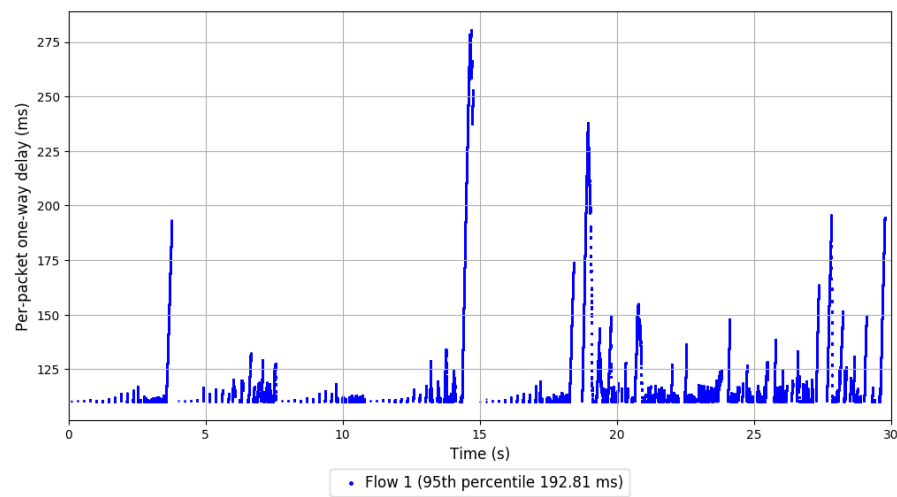
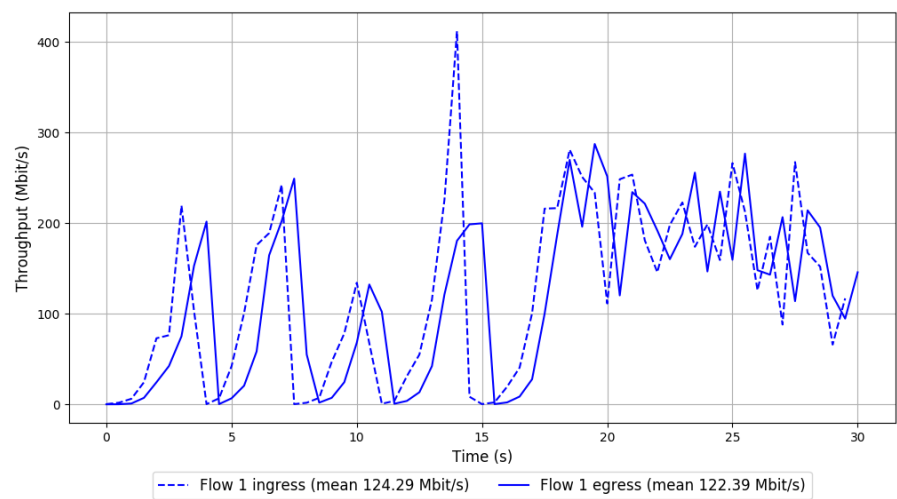


Run 7: Statistics of Verus

Start at: 2018-08-27 22:05:41
End at: 2018-08-27 22:06:11
Local clock offset: -0.054 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-08-28 02:06:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.39 Mbit/s
95th percentile per-packet one-way delay: 192.814 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 122.39 Mbit/s
95th percentile per-packet one-way delay: 192.814 ms
Loss rate: 1.25%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-27 22:29:39

End at: 2018-08-27 22:30:09

Local clock offset: -2.862 ms

Remote clock offset: 1.896 ms

Below is generated by plot.py at 2018-08-28 02:06:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.84 Mbit/s

95th percentile per-packet one-way delay: 122.088 ms

Loss rate: 0.00%

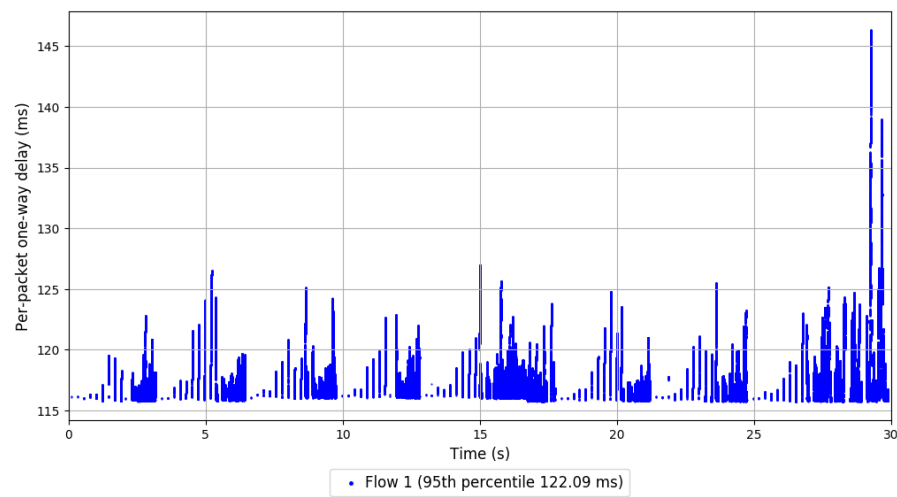
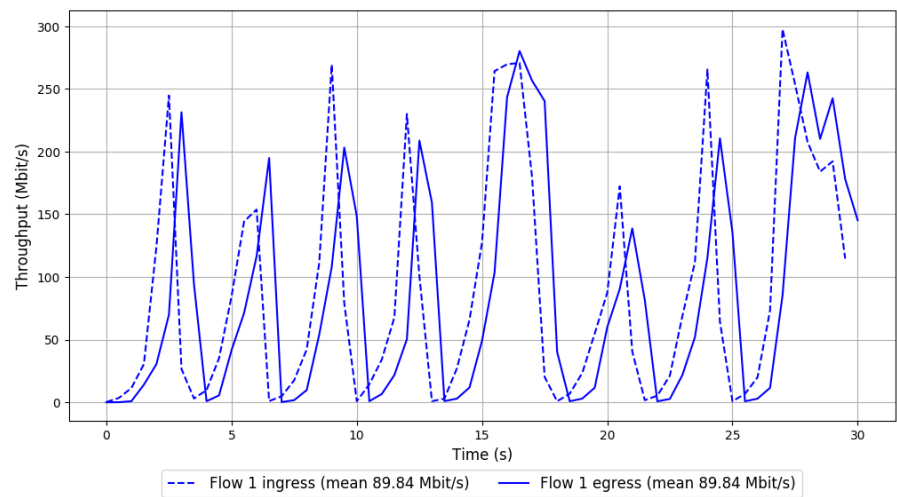
-- Flow 1:

Average throughput: 89.84 Mbit/s

95th percentile per-packet one-way delay: 122.088 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-27 22:53:49

End at: 2018-08-27 22:54:19

Local clock offset: -0.027 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-08-28 02:06:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 271.348 ms

Loss rate: 5.87%

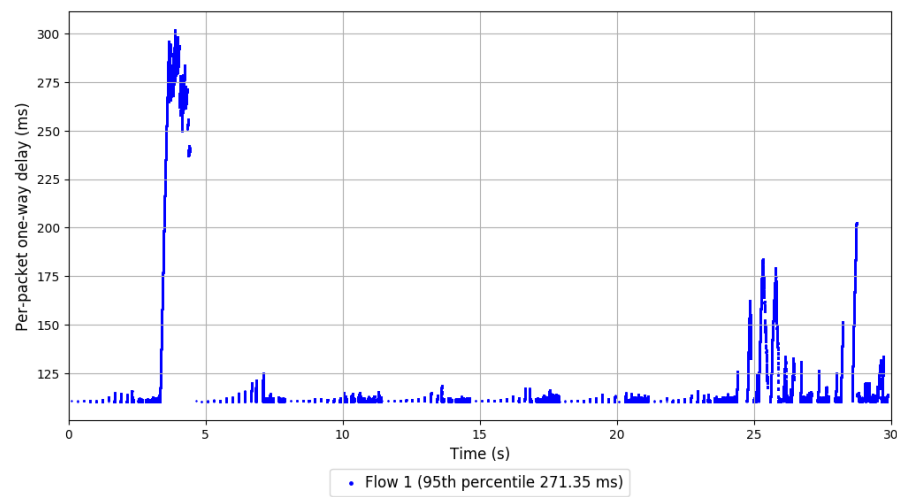
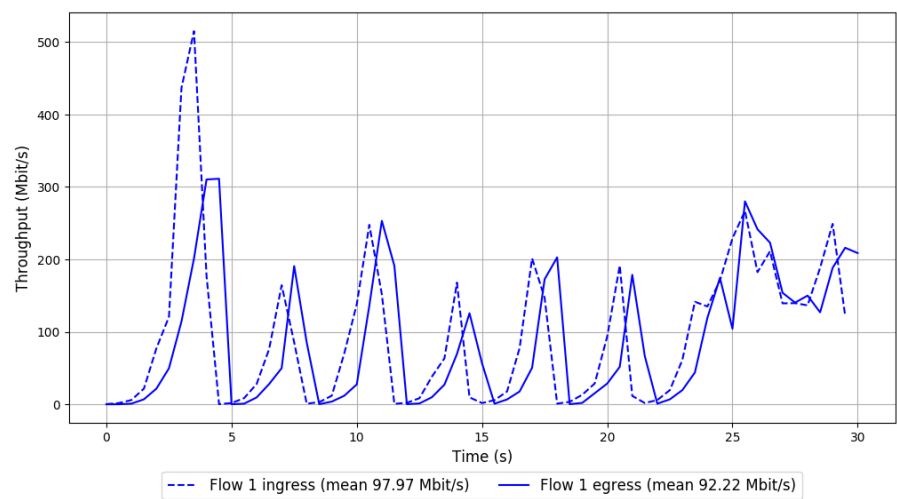
-- Flow 1:

Average throughput: 92.22 Mbit/s

95th percentile per-packet one-way delay: 271.348 ms

Loss rate: 5.87%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-27 23:18:18

End at: 2018-08-27 23:18:48

Local clock offset: 0.007 ms

Remote clock offset: 2.257 ms

Below is generated by plot.py at 2018-08-28 02:07:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.17 Mbit/s

95th percentile per-packet one-way delay: 191.950 ms

Loss rate: 0.15%

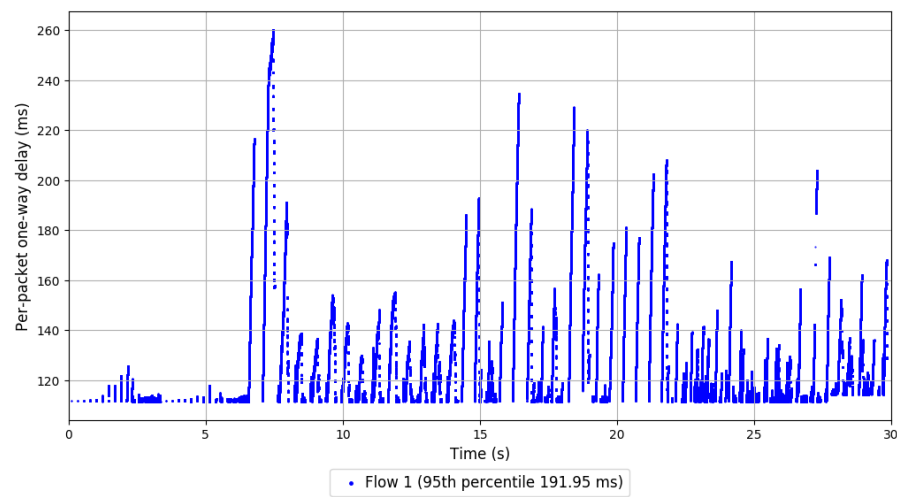
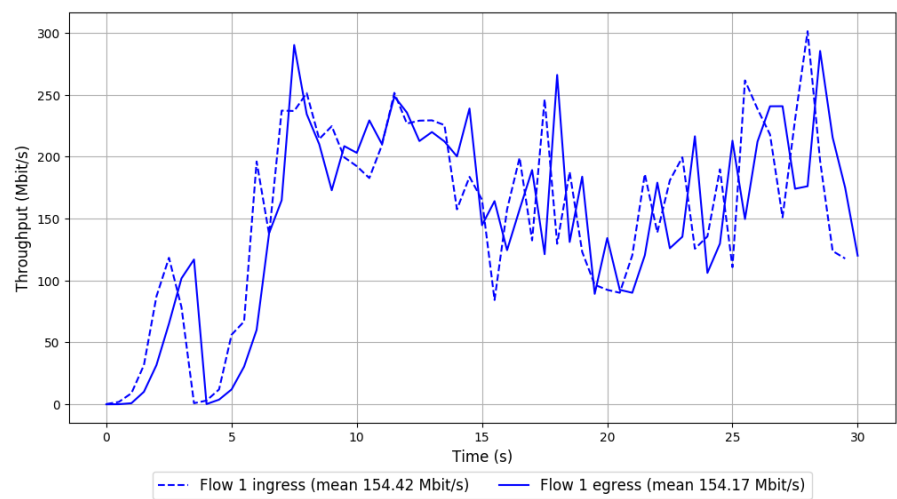
-- Flow 1:

Average throughput: 154.17 Mbit/s

95th percentile per-packet one-way delay: 191.950 ms

Loss rate: 0.15%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-27 19:28:48

End at: 2018-08-27 19:29:18

Local clock offset: 2.874 ms

Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-28 02:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.83 Mbit/s

95th percentile per-packet one-way delay: 109.342 ms

Loss rate: 0.00%

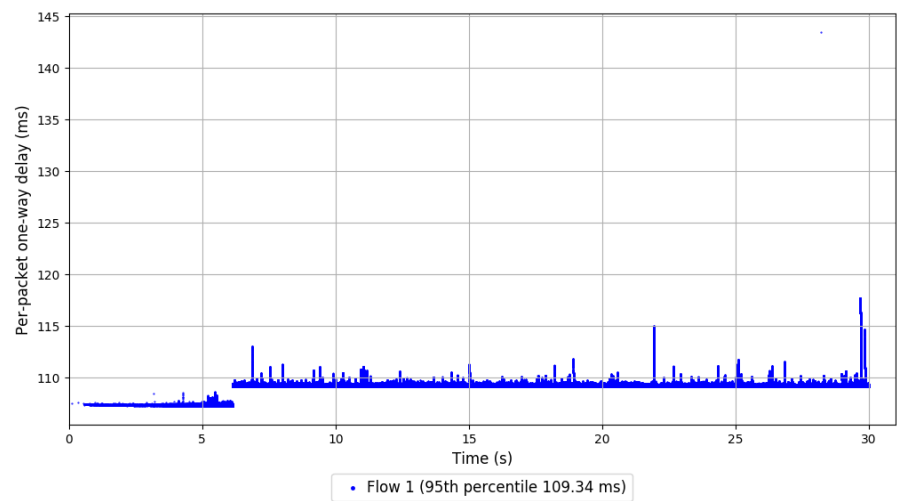
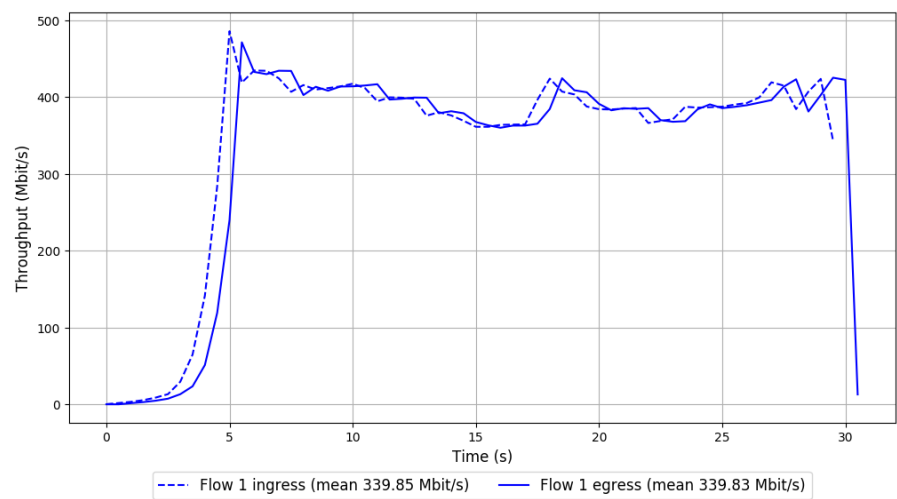
-- Flow 1:

Average throughput: 339.83 Mbit/s

95th percentile per-packet one-way delay: 109.342 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-27 19:53:17

End at: 2018-08-27 19:53:47

Local clock offset: -2.944 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-28 02:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.59 Mbit/s

95th percentile per-packet one-way delay: 114.311 ms

Loss rate: 0.00%

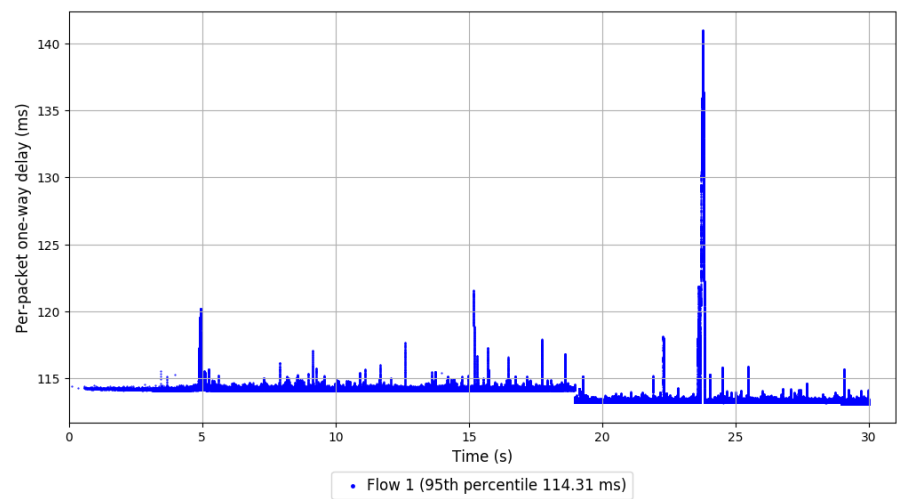
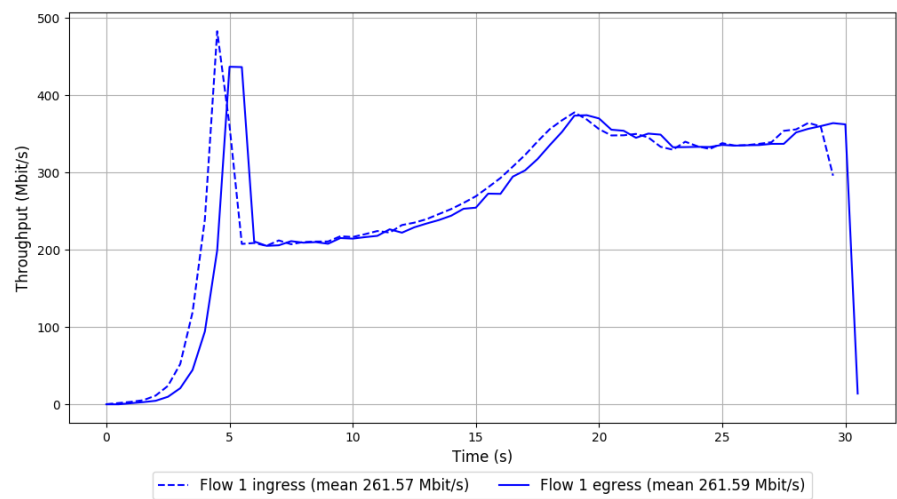
-- Flow 1:

Average throughput: 261.59 Mbit/s

95th percentile per-packet one-way delay: 114.311 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-27 20:18:04

End at: 2018-08-27 20:18:34

Local clock offset: -2.953 ms

Remote clock offset: 0.727 ms

Below is generated by plot.py at 2018-08-28 02:09:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.50 Mbit/s

95th percentile per-packet one-way delay: 116.501 ms

Loss rate: 0.00%

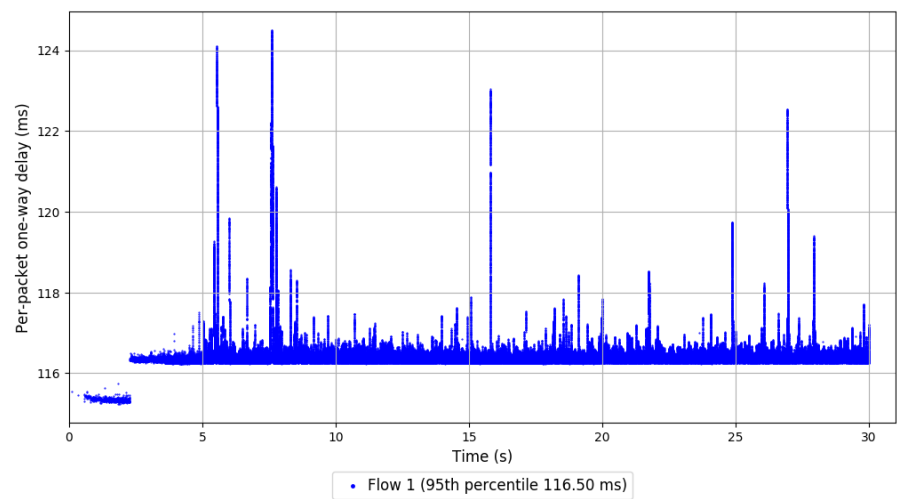
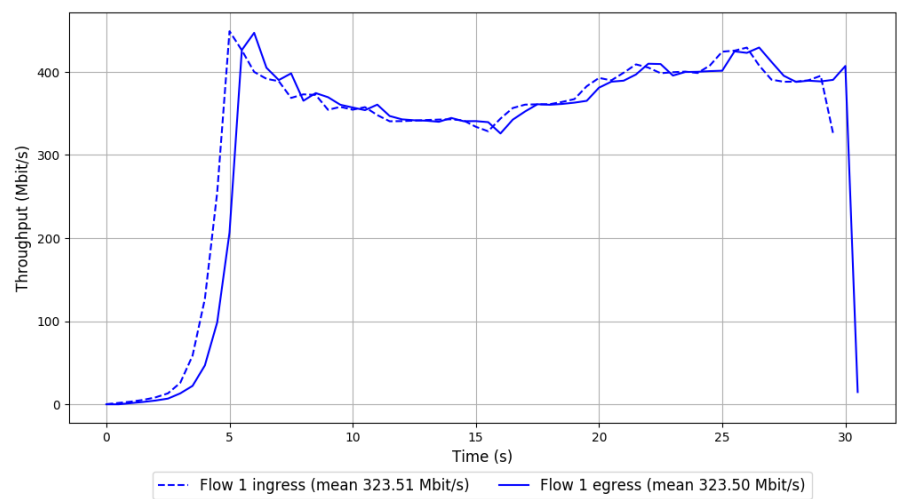
-- Flow 1:

Average throughput: 323.50 Mbit/s

95th percentile per-packet one-way delay: 116.501 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

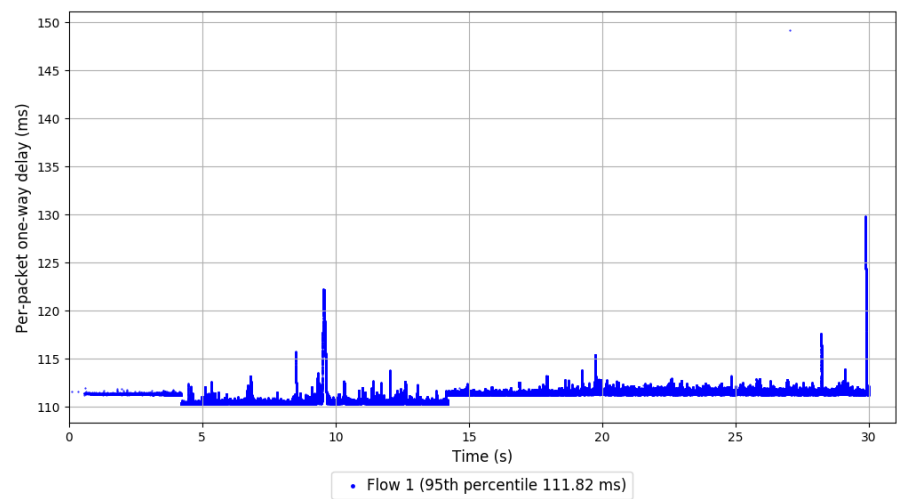
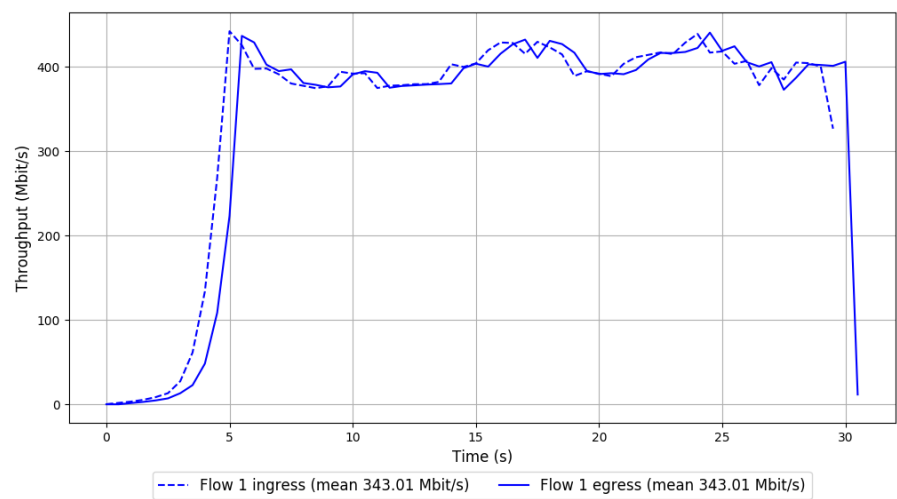


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-27 20:42:22
End at: 2018-08-27 20:42:52
Local clock offset: -0.077 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-28 02:10:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 343.01 Mbit/s
95th percentile per-packet one-way delay: 111.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.01 Mbit/s
95th percentile per-packet one-way delay: 111.818 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-27 21:06:48

End at: 2018-08-27 21:07:18

Local clock offset: 2.908 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-08-28 02:10:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.92 Mbit/s

95th percentile per-packet one-way delay: 109.243 ms

Loss rate: 0.00%

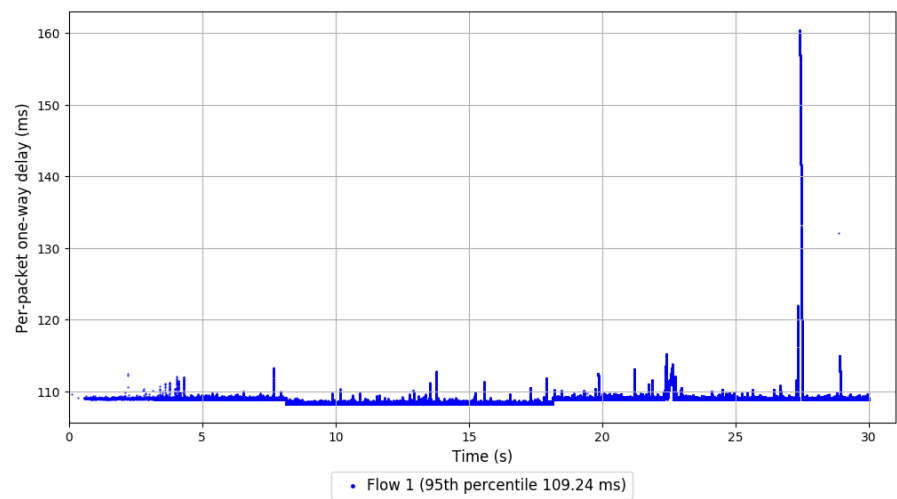
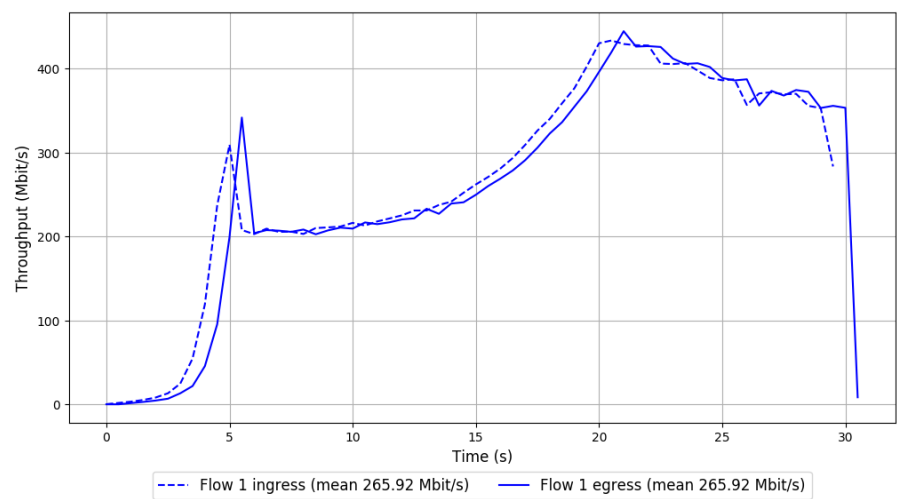
-- Flow 1:

Average throughput: 265.92 Mbit/s

95th percentile per-packet one-way delay: 109.243 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-27 21:30:47

End at: 2018-08-27 21:31:17

Local clock offset: -2.862 ms

Remote clock offset: 1.599 ms

Below is generated by plot.py at 2018-08-28 02:10:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.76 Mbit/s

95th percentile per-packet one-way delay: 116.101 ms

Loss rate: 0.00%

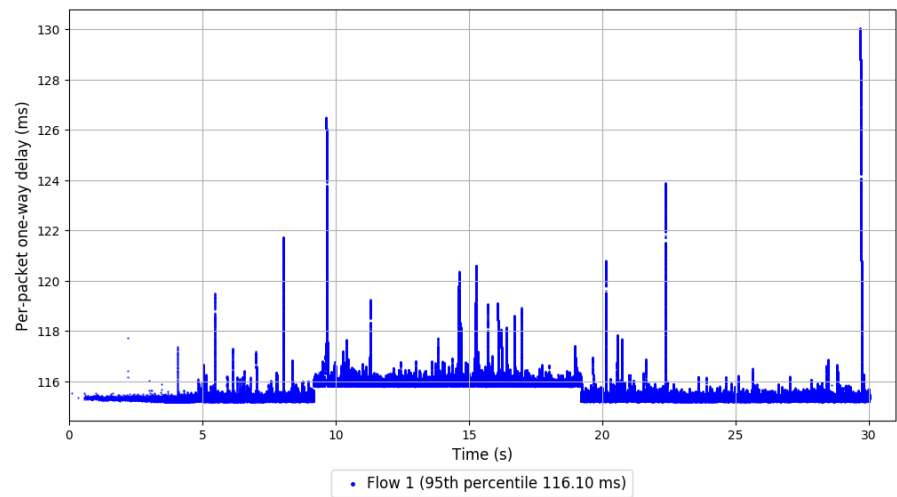
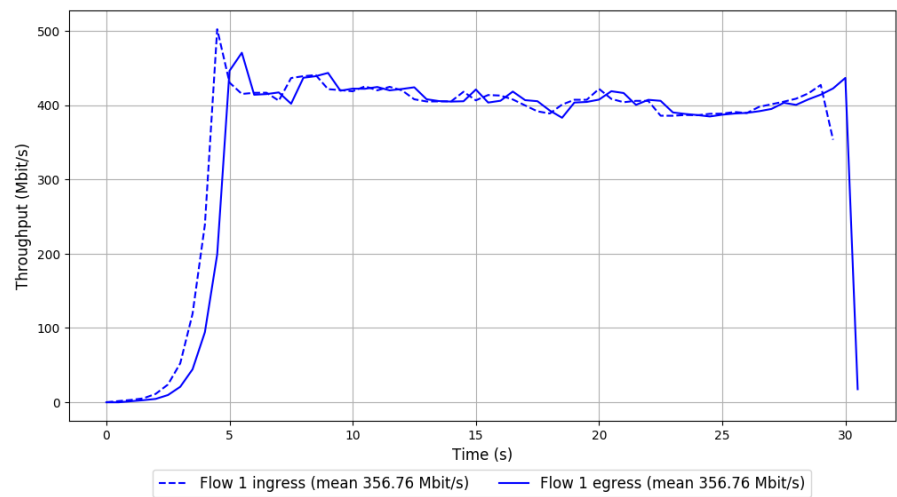
-- Flow 1:

Average throughput: 356.76 Mbit/s

95th percentile per-packet one-way delay: 116.101 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-27 21:55:17

End at: 2018-08-27 21:55:47

Local clock offset: -2.799 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-08-28 02:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.69 Mbit/s

95th percentile per-packet one-way delay: 115.368 ms

Loss rate: 0.00%

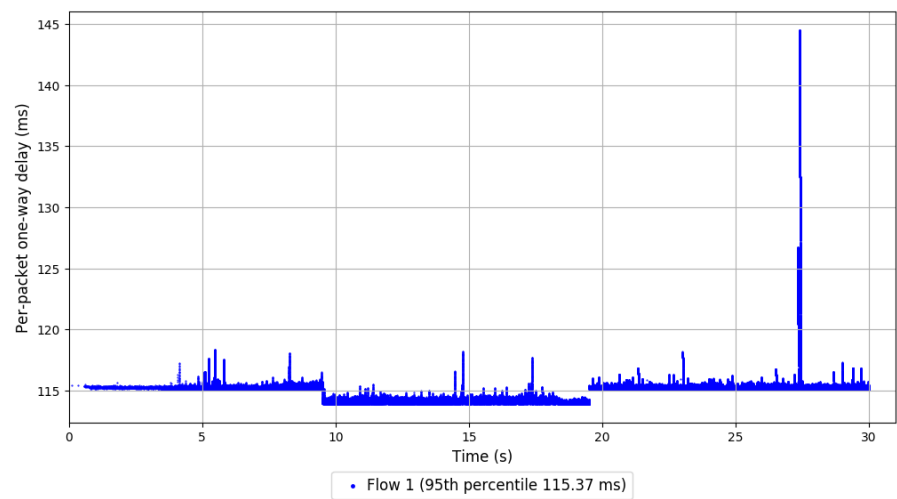
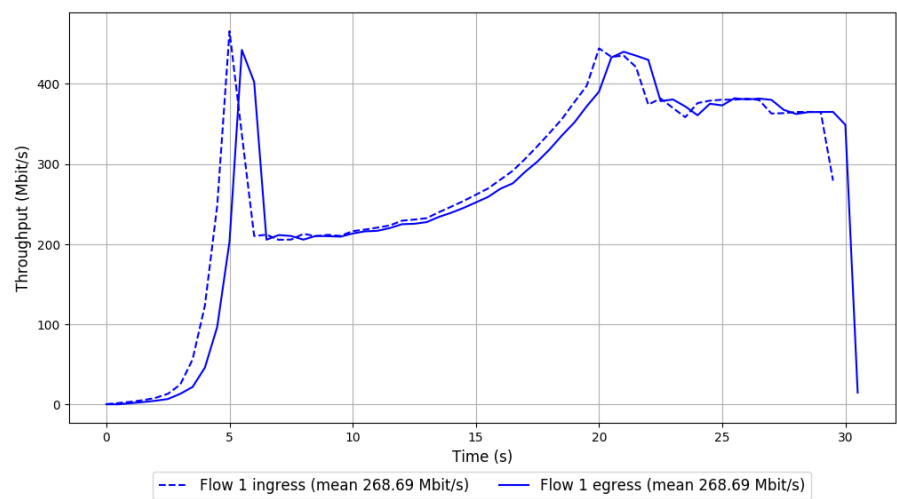
-- Flow 1:

Average throughput: 268.69 Mbit/s

95th percentile per-packet one-way delay: 115.368 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-27 22:19:32

End at: 2018-08-27 22:20:02

Local clock offset: 0.017 ms

Remote clock offset: 1.845 ms

Below is generated by plot.py at 2018-08-28 02:11:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.54 Mbit/s

95th percentile per-packet one-way delay: 113.352 ms

Loss rate: 0.00%

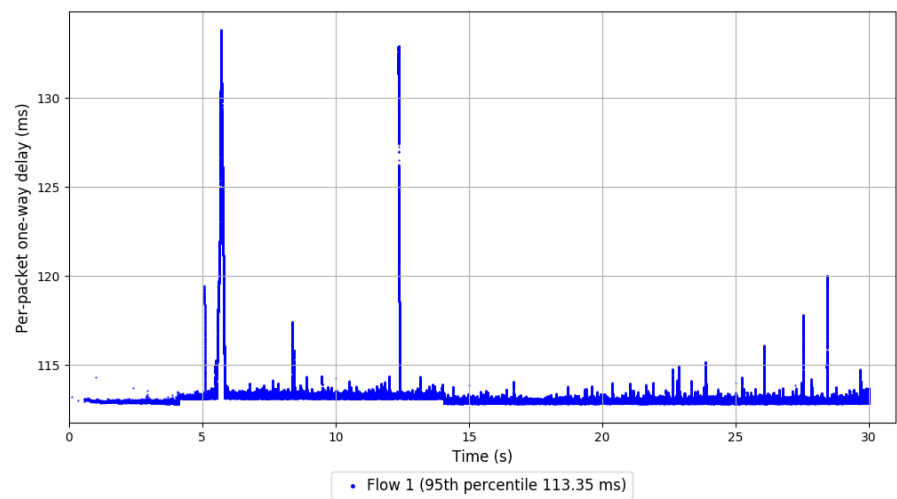
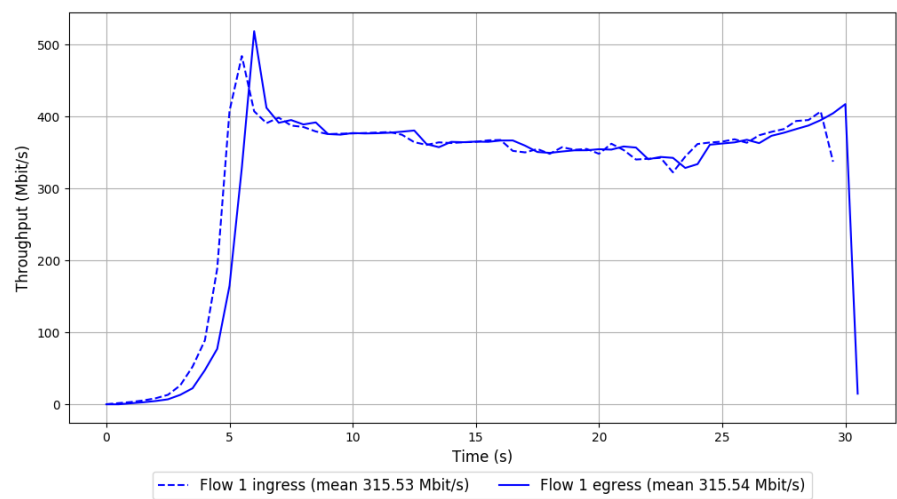
-- Flow 1:

Average throughput: 315.54 Mbit/s

95th percentile per-packet one-way delay: 113.352 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-27 22:43:18

End at: 2018-08-27 22:43:48

Local clock offset: -0.12 ms

Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-08-28 02:11:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.68 Mbit/s

95th percentile per-packet one-way delay: 112.470 ms

Loss rate: 0.00%

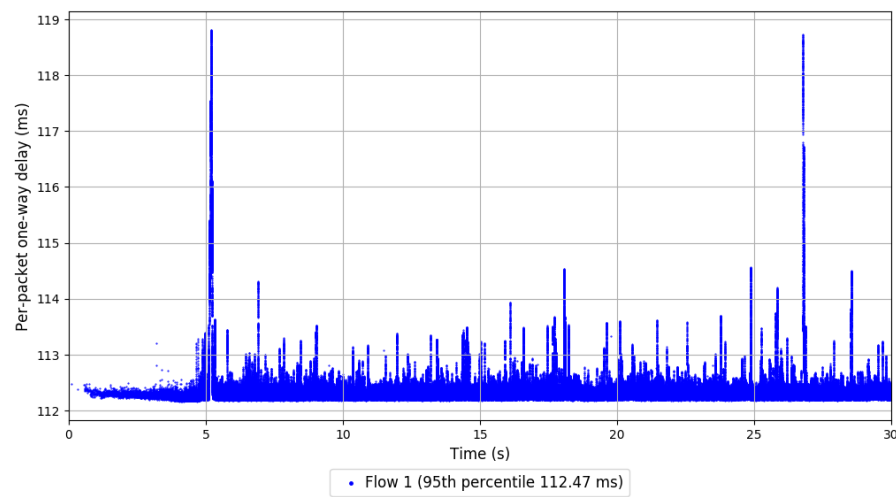
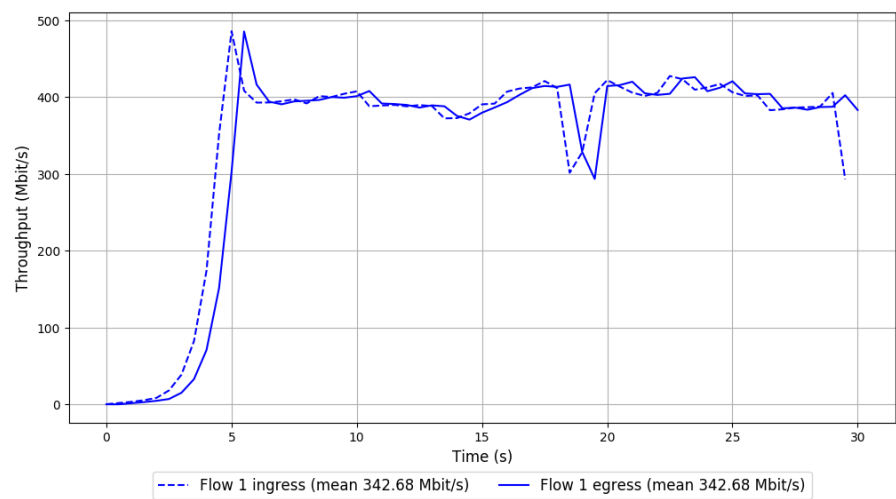
-- Flow 1:

Average throughput: 342.68 Mbit/s

95th percentile per-packet one-way delay: 112.470 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-27 23:07:40

End at: 2018-08-27 23:08:10

Local clock offset: -2.837 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-08-28 02:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.48 Mbit/s

95th percentile per-packet one-way delay: 115.037 ms

Loss rate: 0.00%

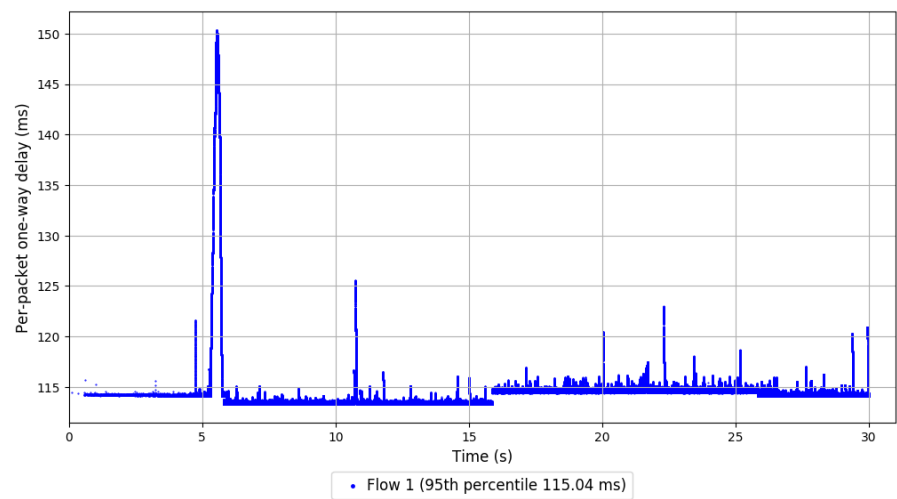
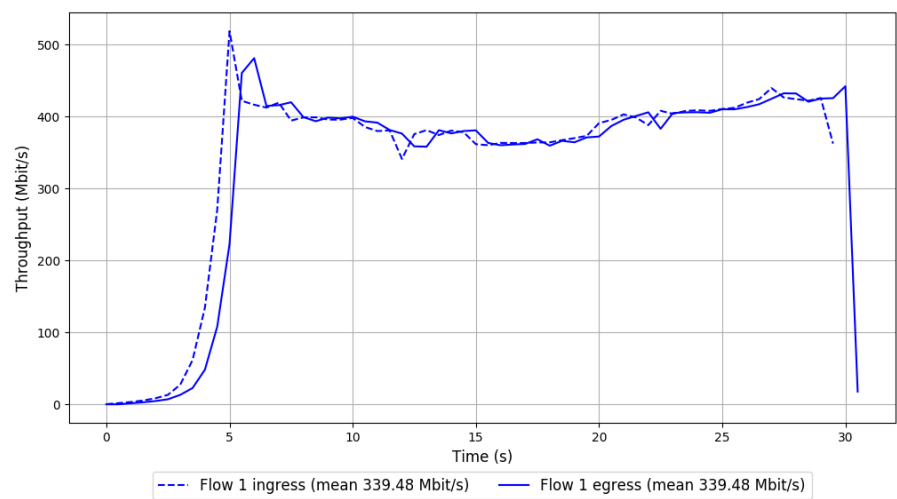
-- Flow 1:

Average throughput: 339.48 Mbit/s

95th percentile per-packet one-way delay: 115.037 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

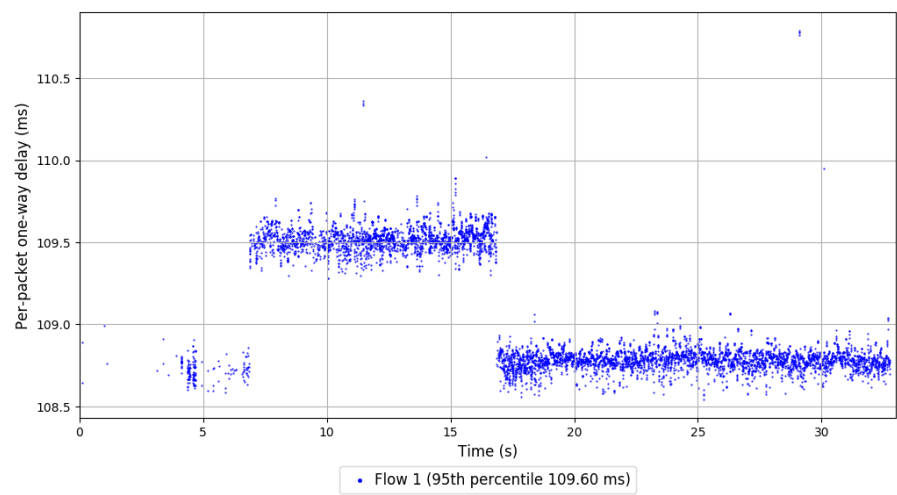
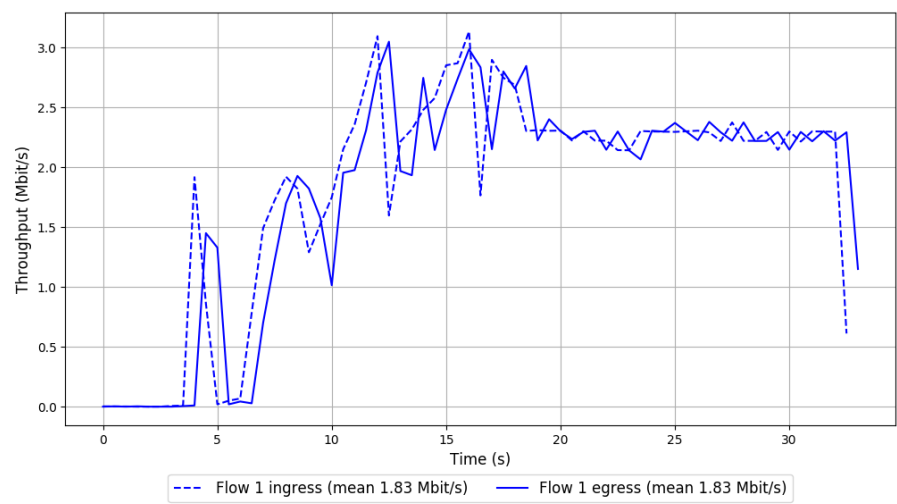


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-27 19:27:40
End at: 2018-08-27 19:28:10
Local clock offset: 0.012 ms
Remote clock offset: -0.232 ms

# Below is generated by plot.py at 2018-08-28 02:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 109.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 109.596 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-27 19:52:09

End at: 2018-08-27 19:52:39

Local clock offset: 0.085 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-08-28 02:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 111.826 ms

Loss rate: 0.00%

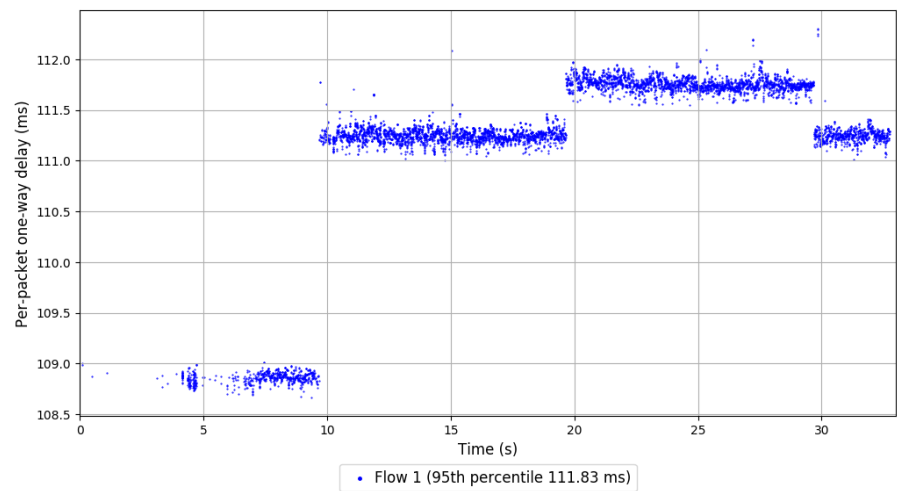
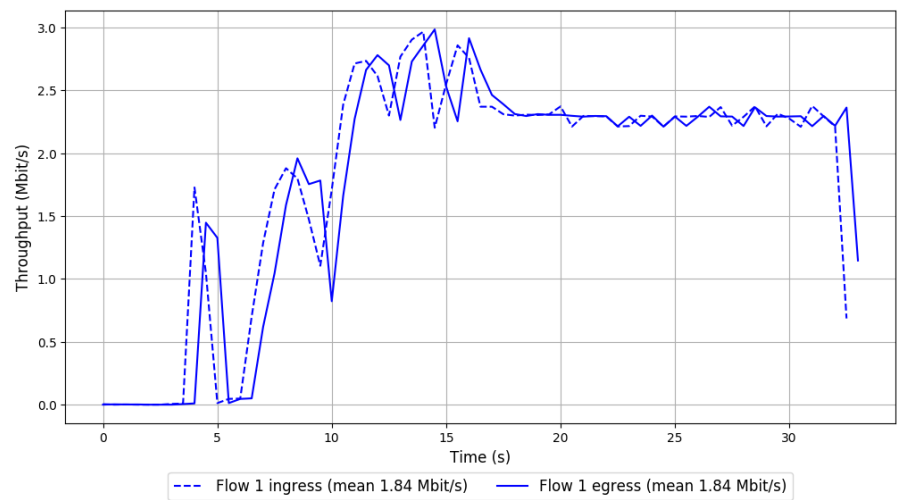
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 111.826 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

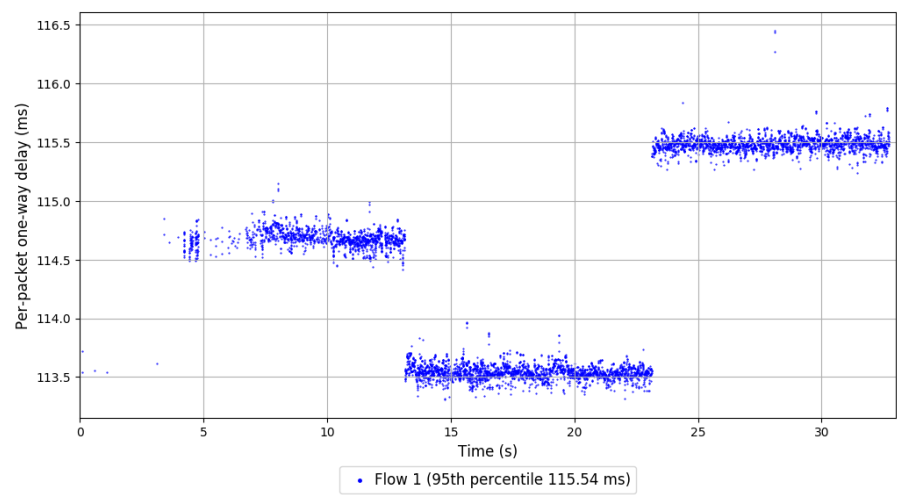
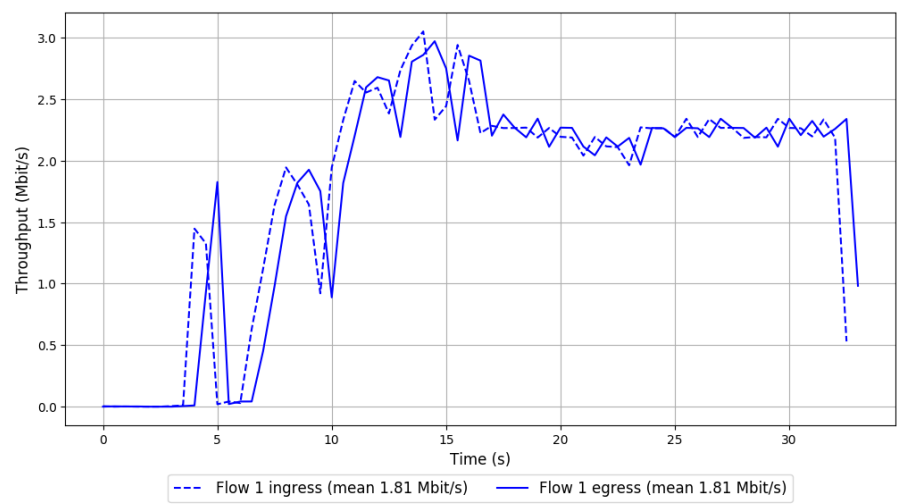


Run 3: Statistics of WebRTC media

Start at: 2018-08-27 20:16:56
End at: 2018-08-27 20:17:26
Local clock offset: -2.898 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-28 02:11:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 115.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 115.543 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

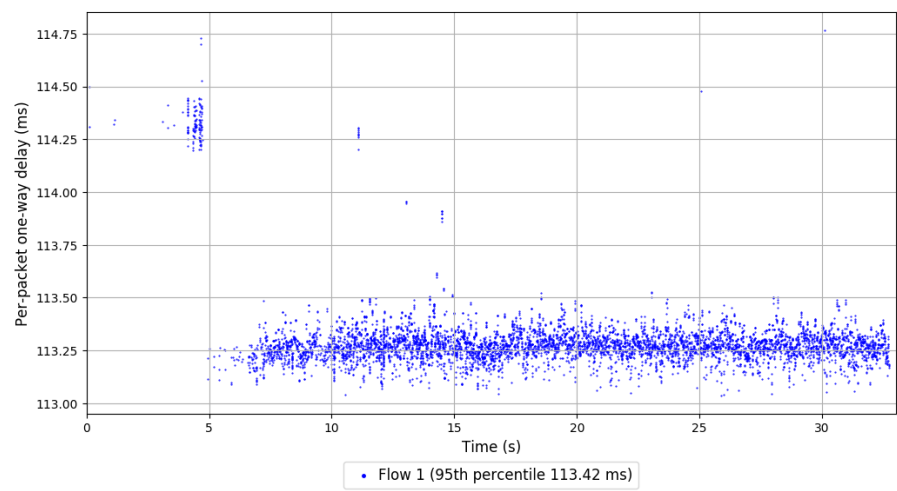
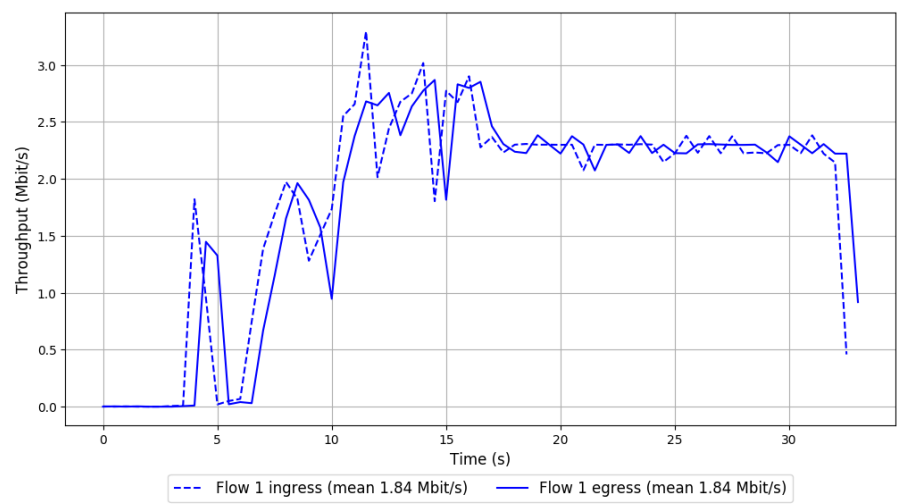


Run 4: Statistics of WebRTC media

Start at: 2018-08-27 20:41:14
End at: 2018-08-27 20:41:44
Local clock offset: -2.796 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-28 02:11:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 113.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 113.415 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-27 21:05:40

End at: 2018-08-27 21:06:10

Local clock offset: -0.171 ms

Remote clock offset: 2.761 ms

Below is generated by plot.py at 2018-08-28 02:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 113.436 ms

Loss rate: 0.00%

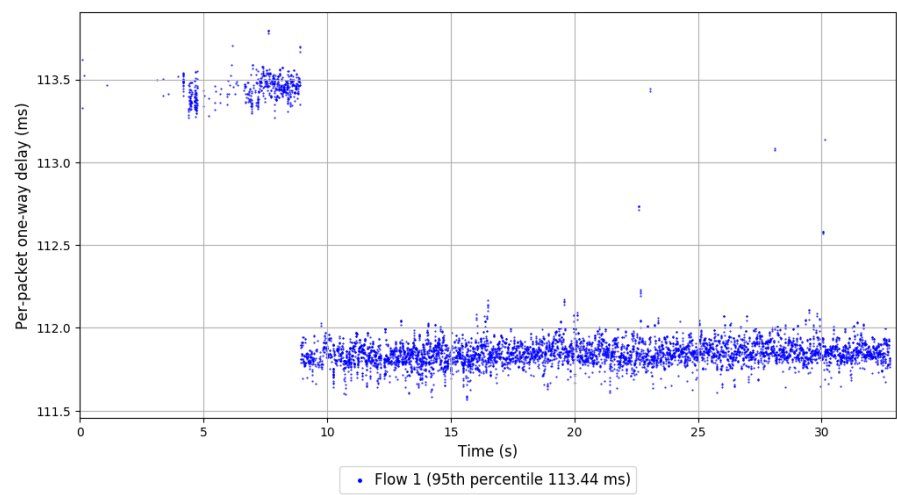
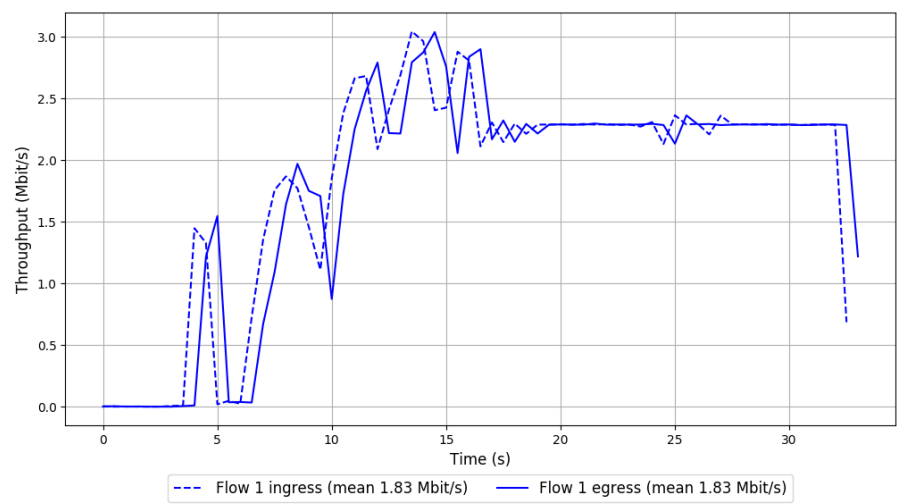
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 113.436 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-27 21:29:39

End at: 2018-08-27 21:30:09

Local clock offset: -3.059 ms

Remote clock offset: 2.745 ms

Below is generated by plot.py at 2018-08-28 02:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 117.547 ms

Loss rate: 0.00%

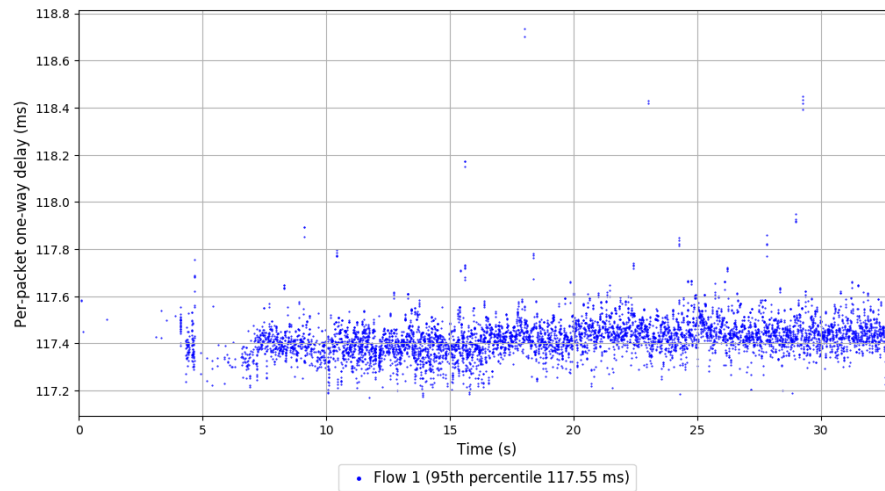
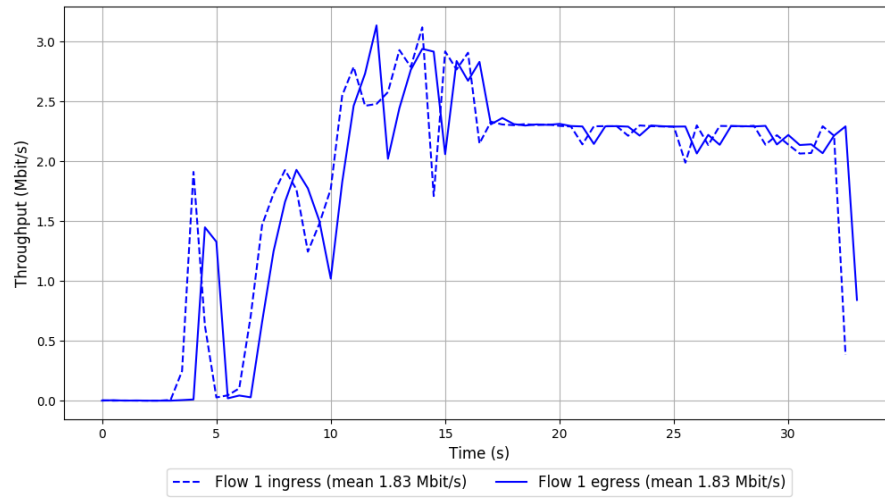
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 117.547 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-27 21:54:08

End at: 2018-08-27 21:54:38

Local clock offset: -2.838 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-08-28 02:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 115.797 ms

Loss rate: 0.00%

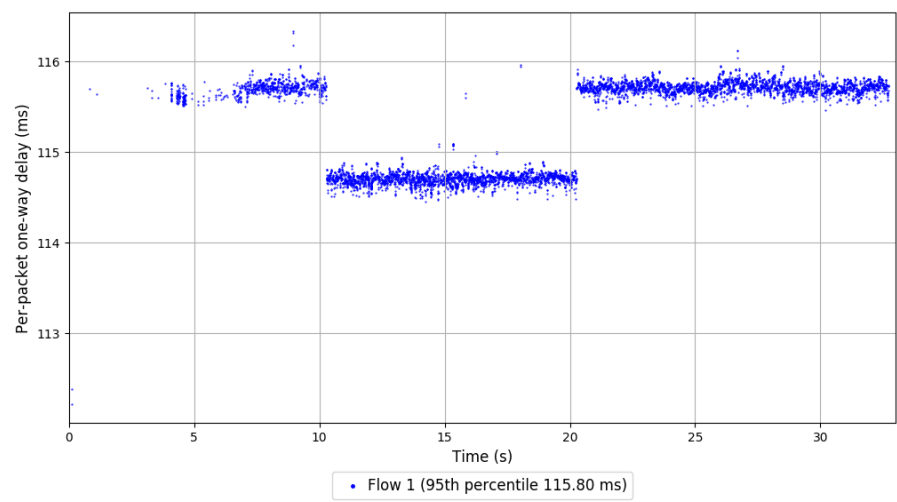
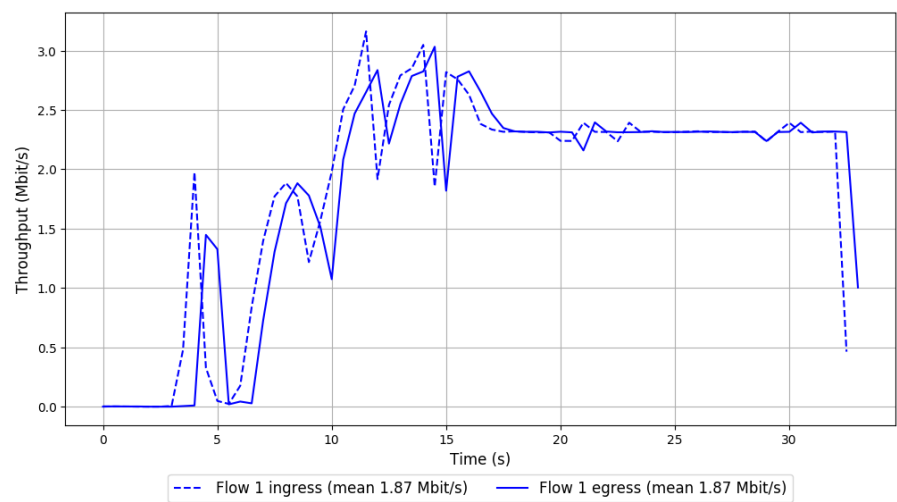
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 115.797 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-27 22:18:24

End at: 2018-08-27 22:18:54

Local clock offset: -0.058 ms

Remote clock offset: 1.836 ms

Below is generated by plot.py at 2018-08-28 02:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 113.249 ms

Loss rate: 0.00%

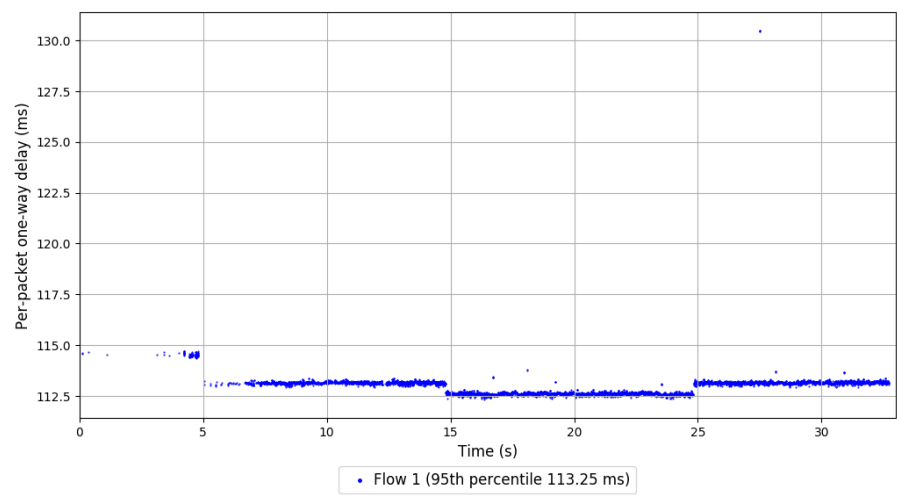
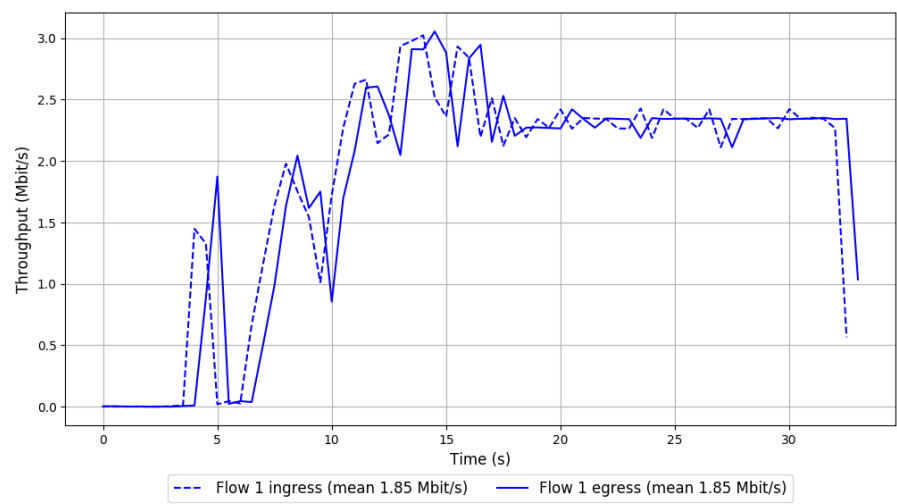
-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 113.249 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-27 22:42:10

End at: 2018-08-27 22:42:40

Local clock offset: -0.012 ms

Remote clock offset: 1.538 ms

Below is generated by plot.py at 2018-08-28 02:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 112.483 ms

Loss rate: 0.00%

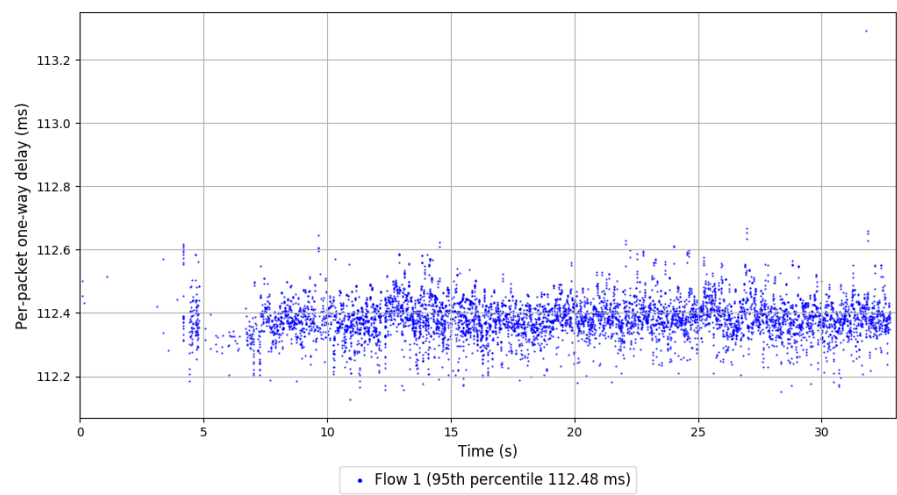
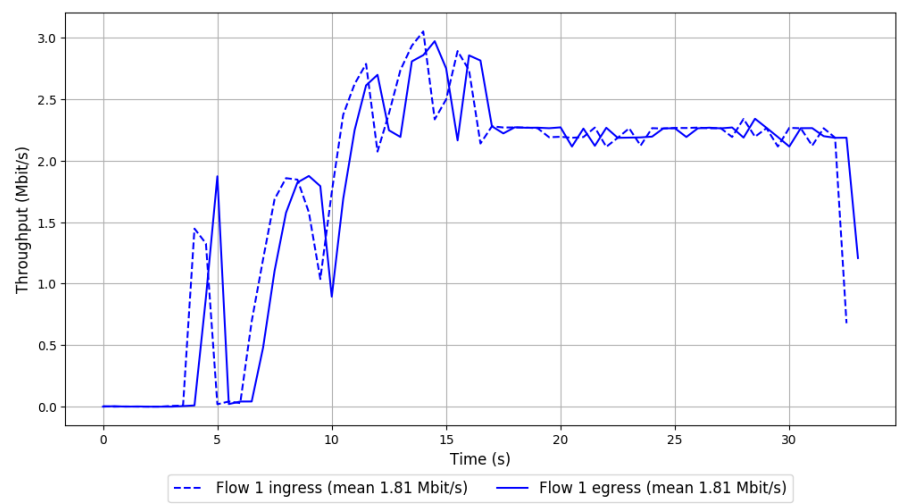
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 112.483 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-27 23:06:32

End at: 2018-08-27 23:07:02

Local clock offset: -2.886 ms

Remote clock offset: 1.634 ms

Below is generated by plot.py at 2018-08-28 02:11:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 116.834 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 116.834 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

