

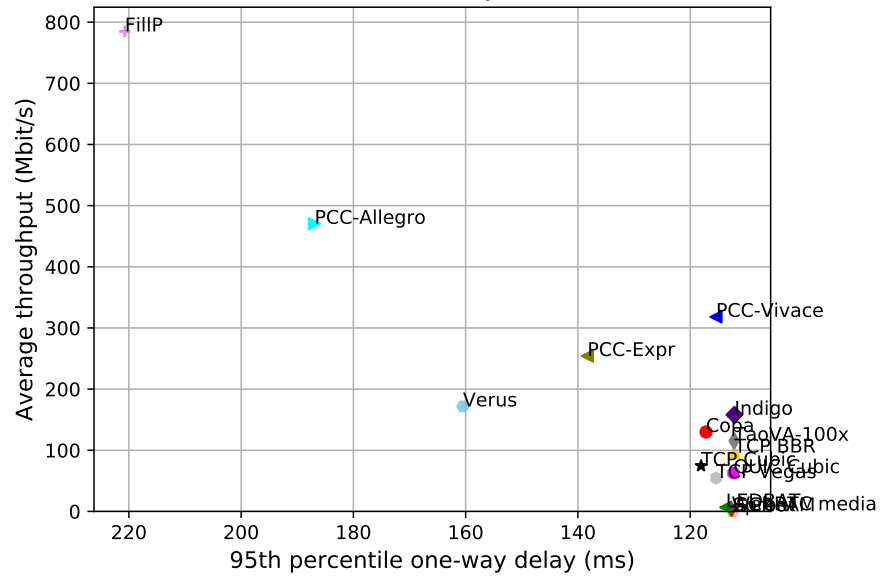
Pantheon Report

Generated at 2018-05-30 12:30:52 (UTC).
Data path: GCE Tokyo Ethernet (*local*) → GCE London Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

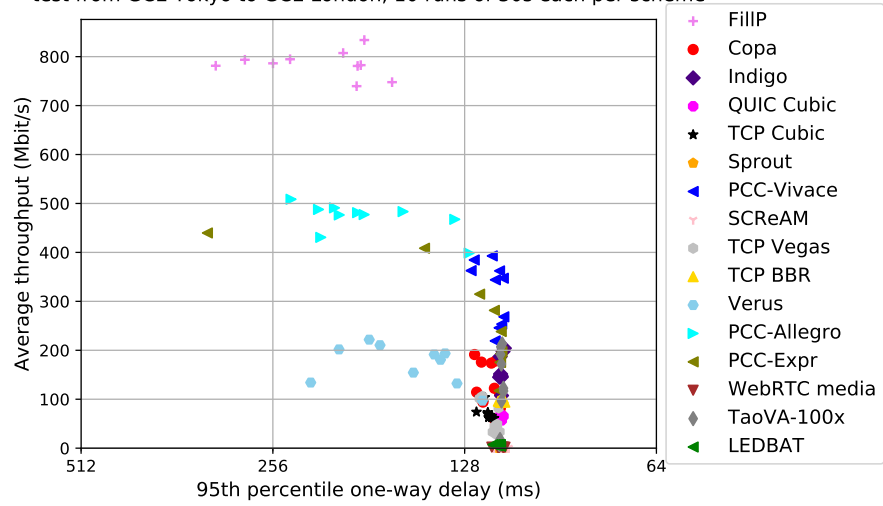
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
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	96.27	112.12	0.00
Copa	10	129.93	117.18	0.00
TCP Cubic	10	74.54	118.06	0.01
FillP	10	784.83	220.72	2.04
Indigo	10	158.02	112.12	0.00
LEDBAT	10	6.66	113.66	0.00
PCC-Allegro	10	470.25	186.92	0.90
PCC-Expr	10	254.07	138.32	1.02
QUIC Cubic	6	62.71	112.29	0.00
SCReAM	10	0.21	111.84	0.01
Sprout	10	0.20	112.43	0.00
TaoVA-100x	10	115.45	112.17	0.00
TCP Vegas	10	54.50	115.38	0.00
Verus	10	171.73	160.50	0.27
PCC-Vivace	10	318.06	115.40	0.00
WebRTC media	10	1.86	112.63	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-30 07:36:02

End at: 2018-05-30 07:36:32

Local clock offset: 13.658 ms

Remote clock offset: 36.995 ms

Below is generated by plot.py at 2018-05-30 10:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.82 Mbit/s

95th percentile per-packet one-way delay: 112.496 ms

Loss rate: 0.00%

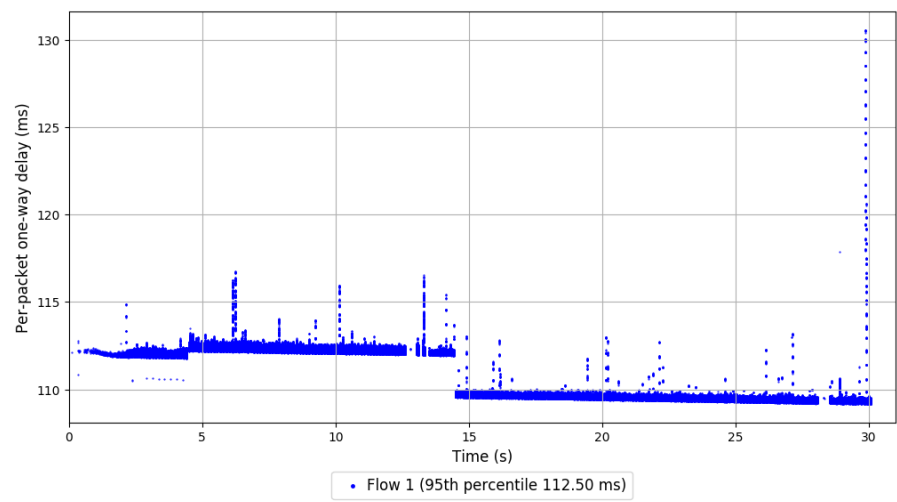
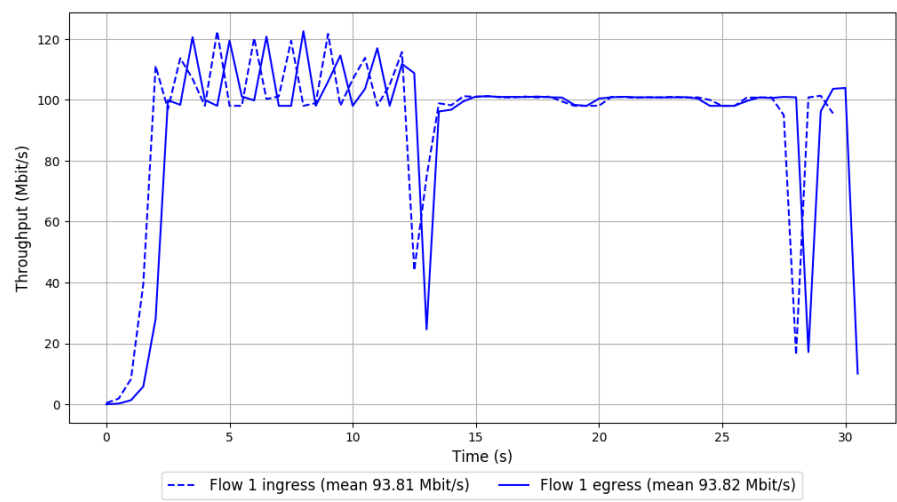
-- Flow 1:

Average throughput: 93.82 Mbit/s

95th percentile per-packet one-way delay: 112.496 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

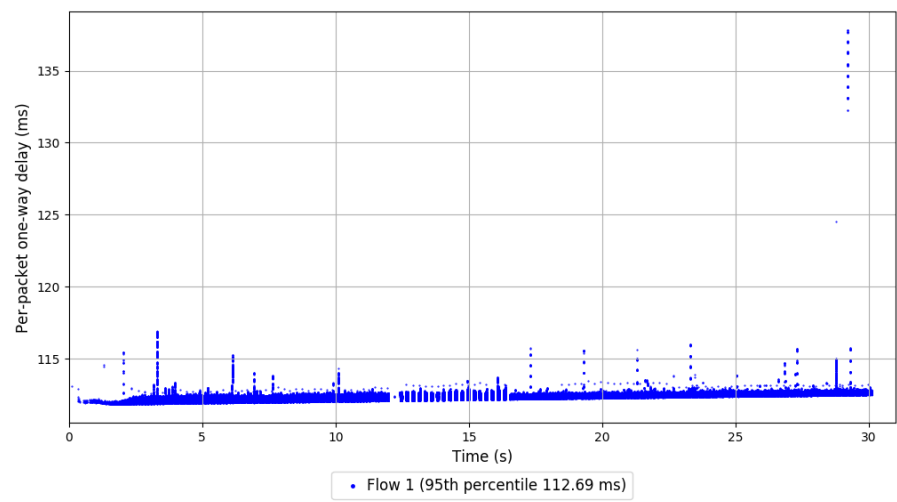
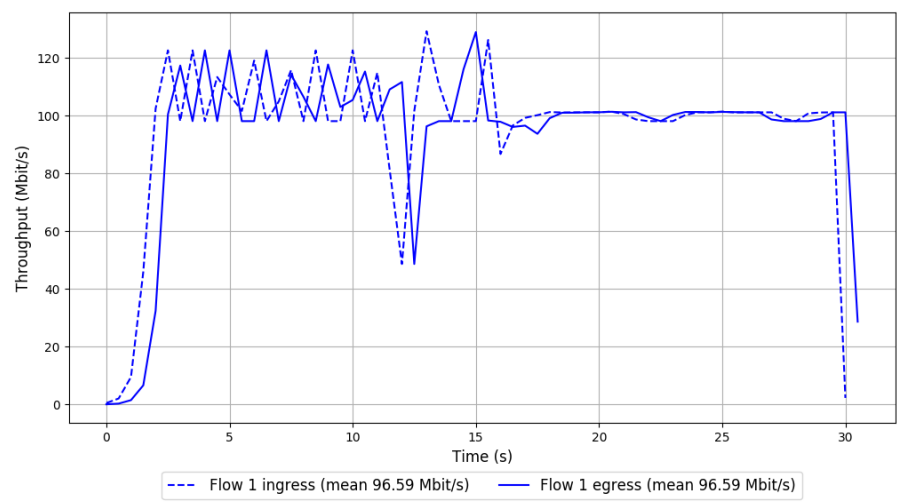


Run 2: Statistics of TCP BBR

Start at: 2018-05-30 07:56:27
End at: 2018-05-30 07:56:57
Local clock offset: 16.658 ms
Remote clock offset: 15.916 ms

Below is generated by plot.py at 2018-05-30 10:54:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 112.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 112.694 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

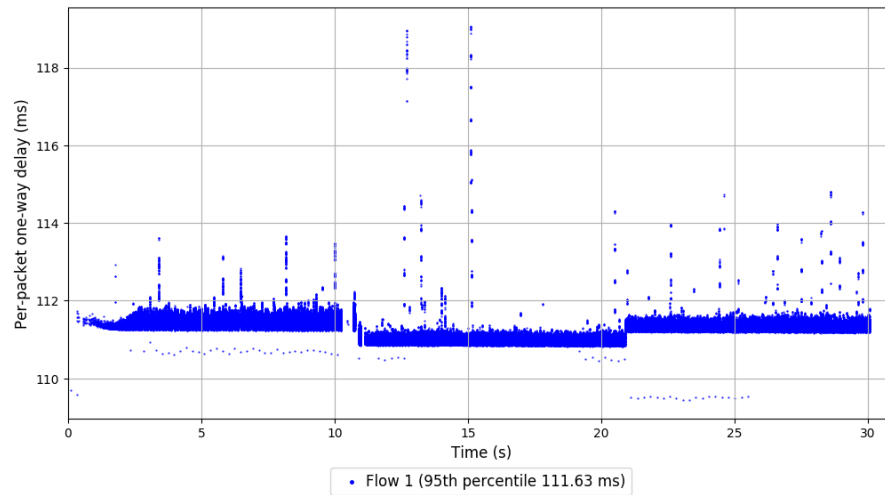
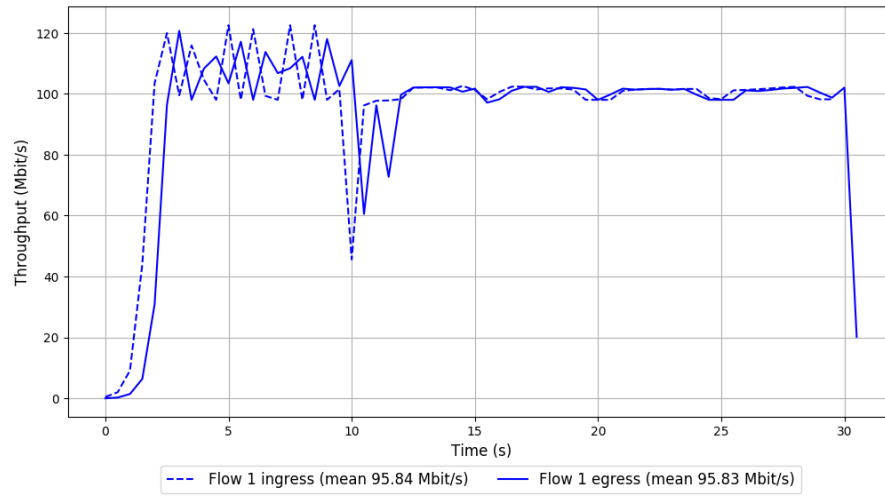


Run 3: Statistics of TCP BBR

Start at: 2018-05-30 08:17:16
End at: 2018-05-30 08:17:46
Local clock offset: 6.204 ms
Remote clock offset: 11.805 ms

Below is generated by plot.py at 2018-05-30 10:54:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 111.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 111.627 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-30 08:38:20

End at: 2018-05-30 08:38:50

Local clock offset: 4.189 ms

Remote clock offset: 4.058 ms

Below is generated by plot.py at 2018-05-30 10:54:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 112.387 ms

Loss rate: 0.00%

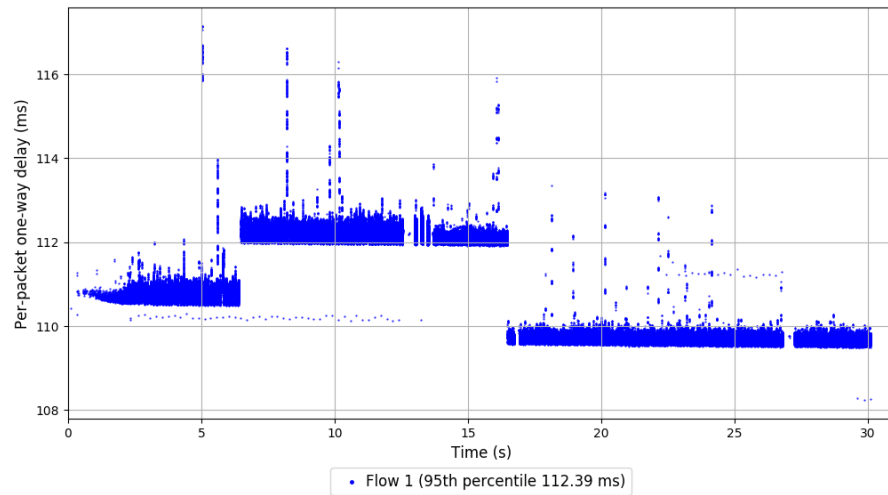
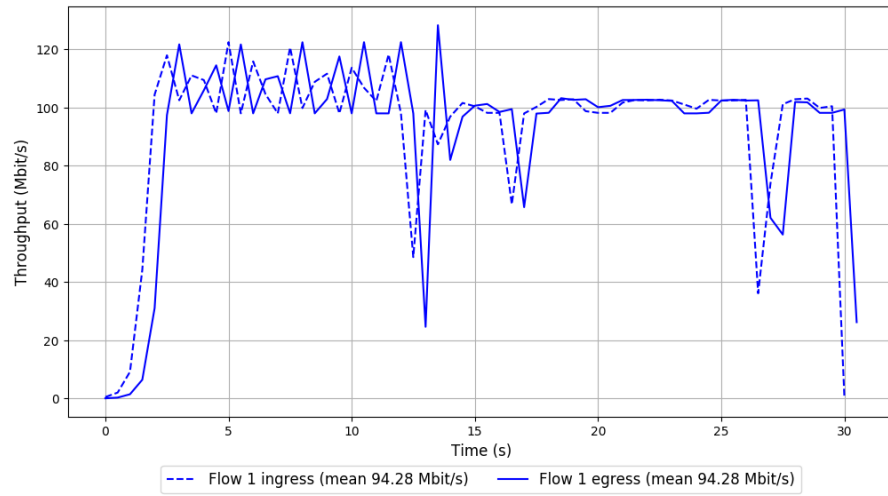
-- Flow 1:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 112.387 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-30 08:58:50

End at: 2018-05-30 08:59:20

Local clock offset: 1.541 ms

Remote clock offset: 2.999 ms

Below is generated by plot.py at 2018-05-30 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.75 Mbit/s

95th percentile per-packet one-way delay: 112.445 ms

Loss rate: 0.00%

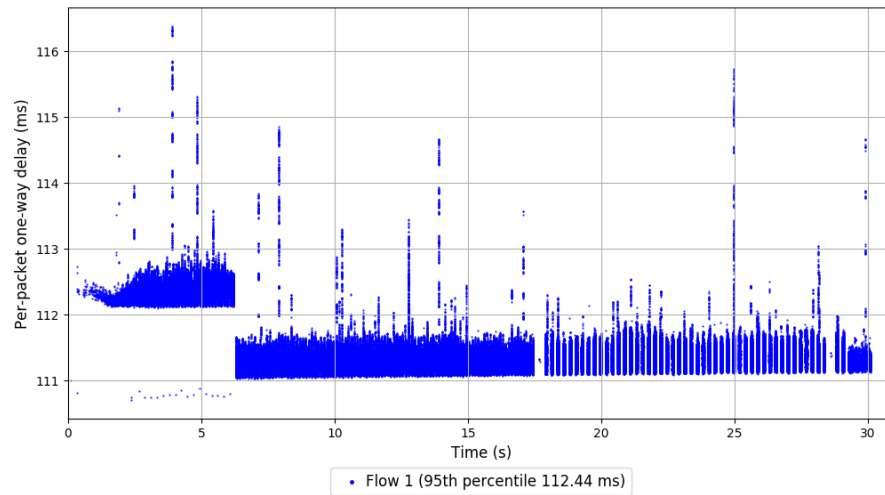
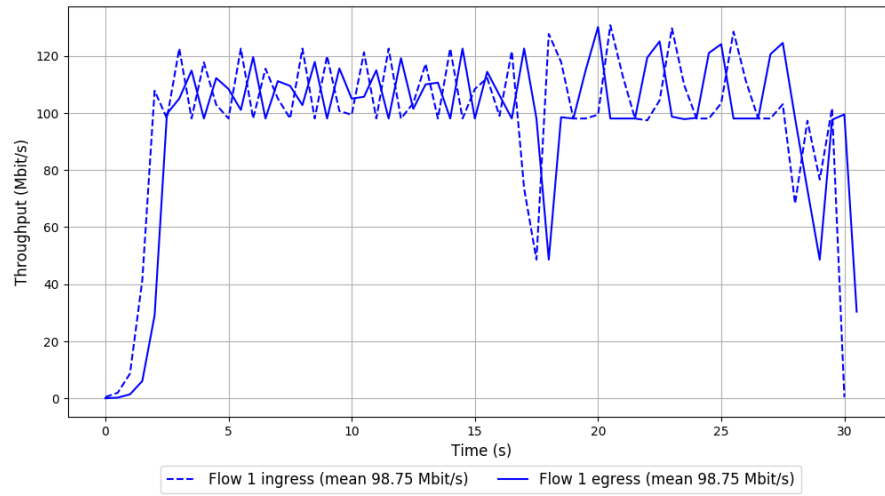
-- Flow 1:

Average throughput: 98.75 Mbit/s

95th percentile per-packet one-way delay: 112.445 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-30 09:19:52

End at: 2018-05-30 09:20:22

Local clock offset: 0.526 ms

Remote clock offset: 1.736 ms

Below is generated by plot.py at 2018-05-30 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 112.025 ms

Loss rate: 0.01%

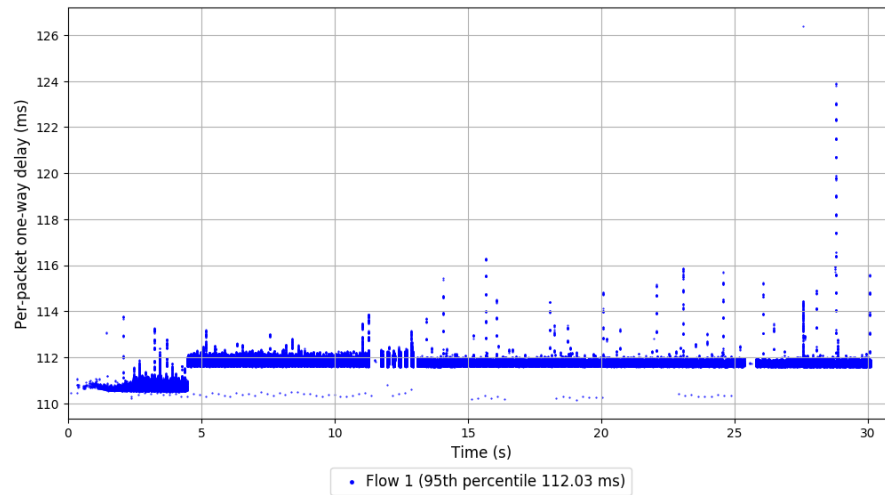
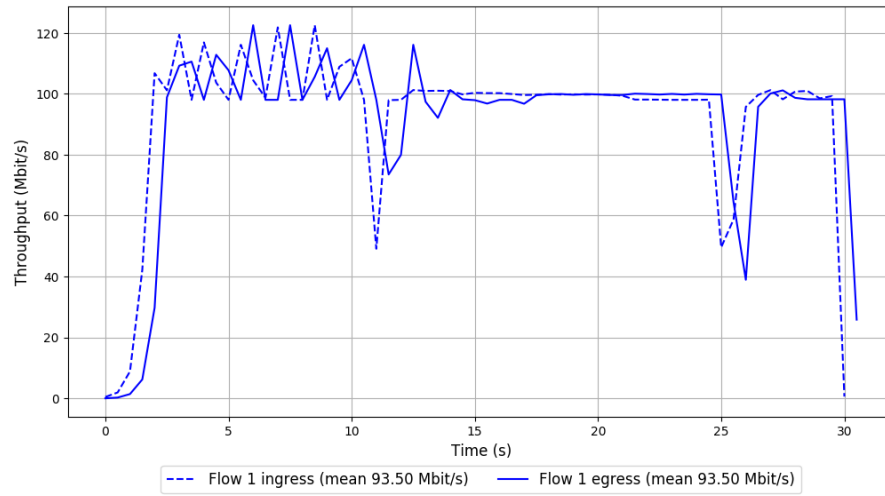
-- Flow 1:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 112.025 ms

Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-30 09:40:23

End at: 2018-05-30 09:40:53

Local clock offset: 0.694 ms

Remote clock offset: 0.576 ms

Below is generated by plot.py at 2018-05-30 10:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.12 Mbit/s

95th percentile per-packet one-way delay: 112.230 ms

Loss rate: 0.00%

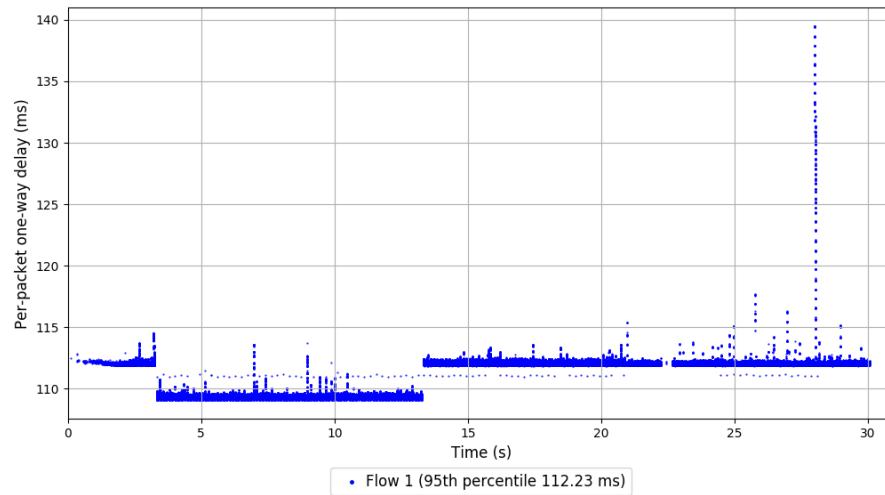
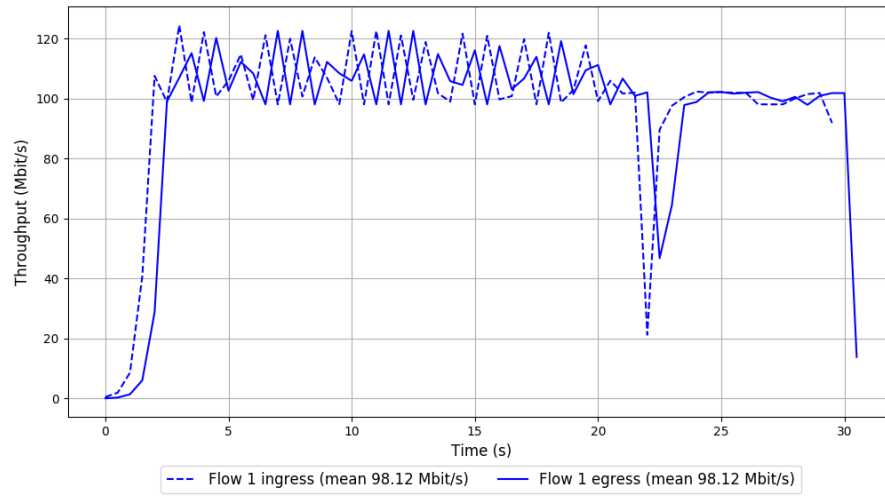
-- Flow 1:

Average throughput: 98.12 Mbit/s

95th percentile per-packet one-way delay: 112.230 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-30 10:01:05

End at: 2018-05-30 10:01:35

Local clock offset: 1.05 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2018-05-30 10:54:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.78 Mbit/s

95th percentile per-packet one-way delay: 111.303 ms

Loss rate: 0.00%

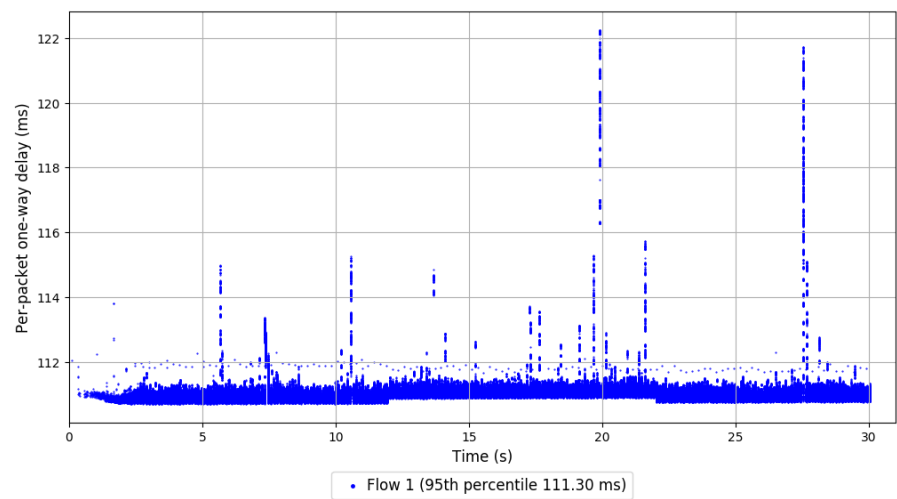
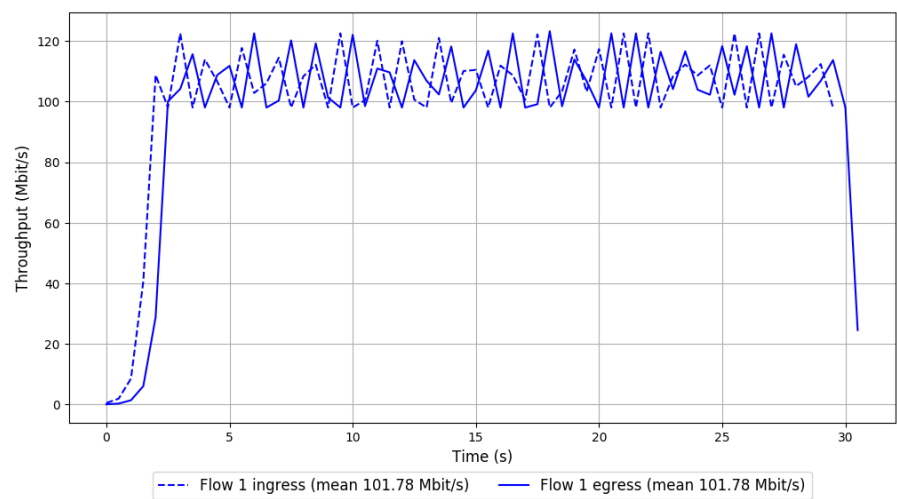
-- Flow 1:

Average throughput: 101.78 Mbit/s

95th percentile per-packet one-way delay: 111.303 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-30 10:22:02

End at: 2018-05-30 10:22:32

Local clock offset: 0.414 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-05-30 10:56:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 110.695 ms

Loss rate: 0.00%

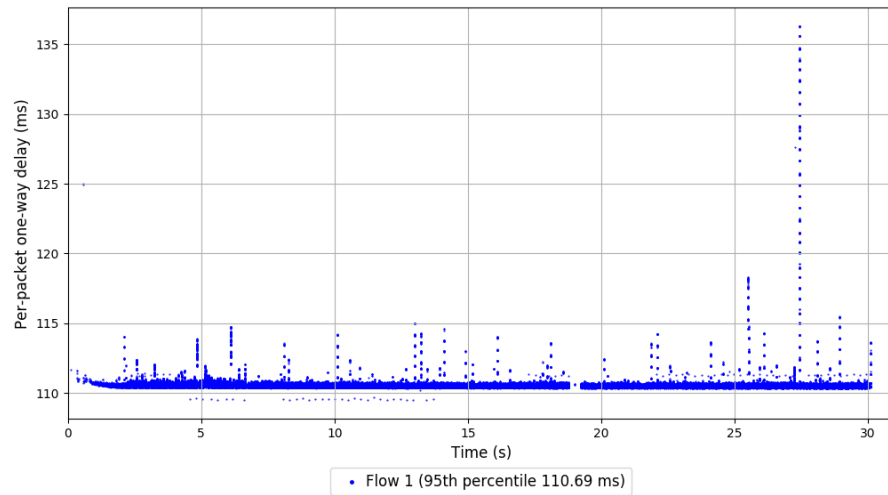
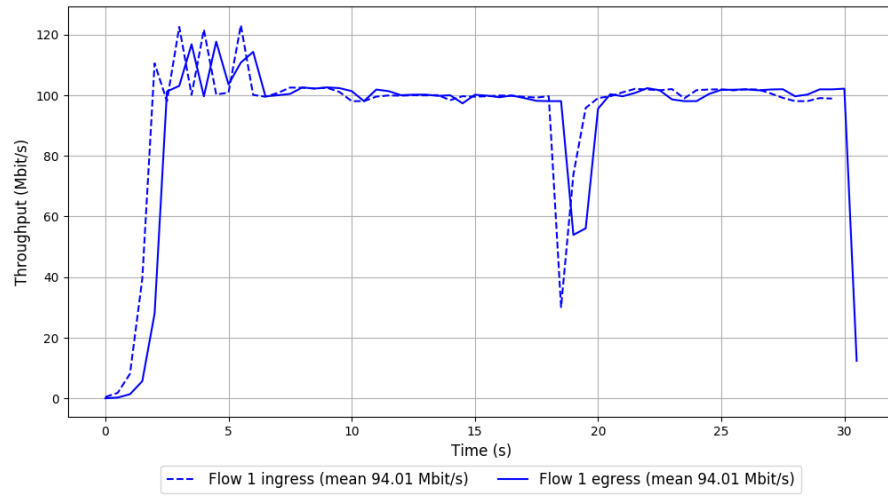
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 110.695 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-30 10:42:33

End at: 2018-05-30 10:43:03

Local clock offset: -0.442 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-05-30 10:56:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 113.316 ms

Loss rate: 0.00%

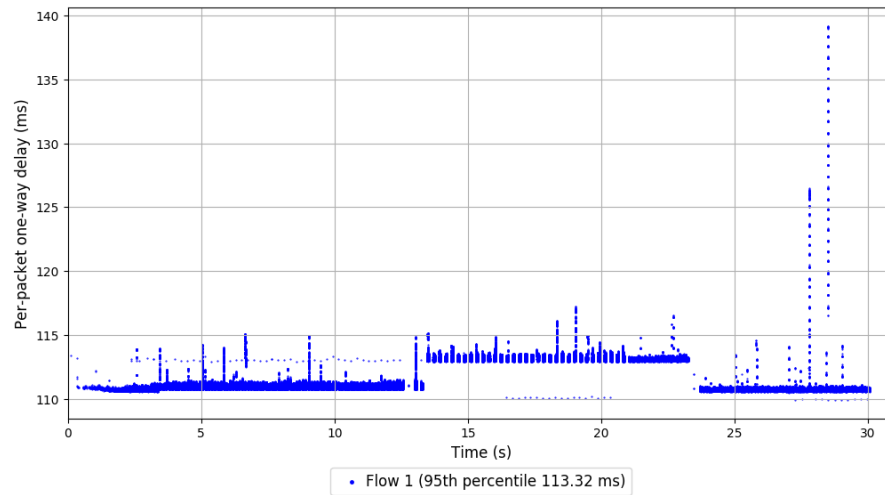
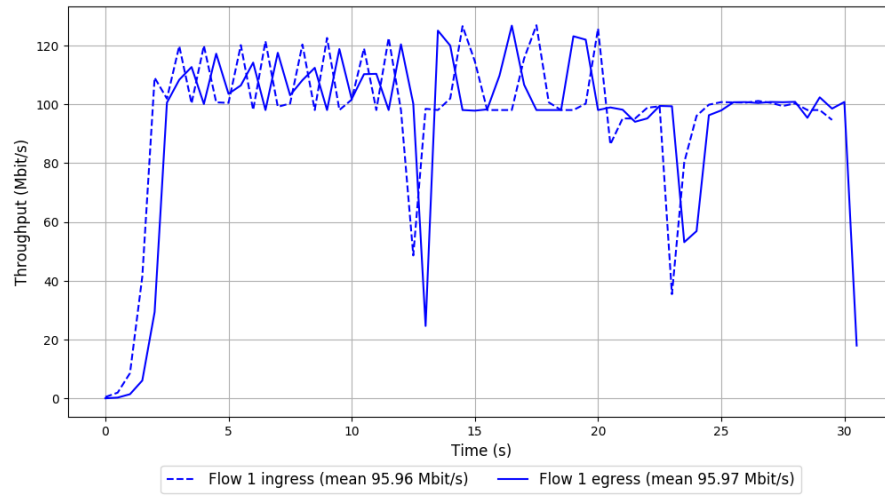
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 113.316 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

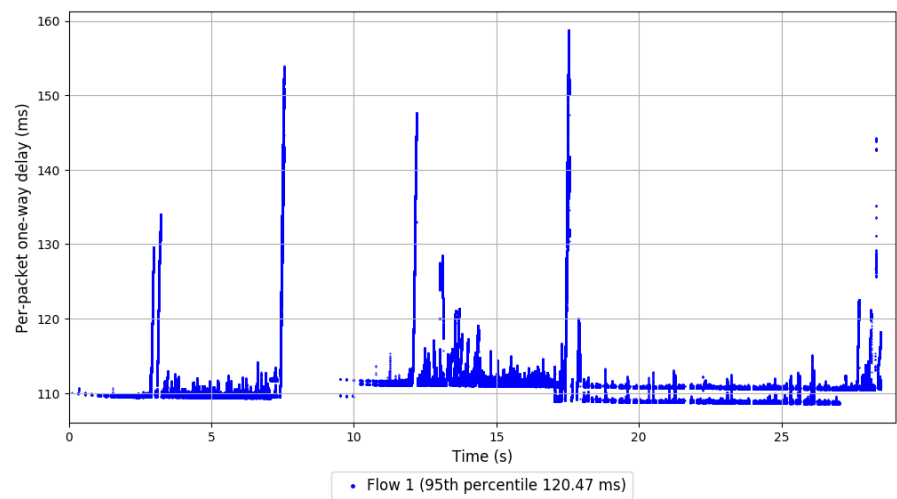
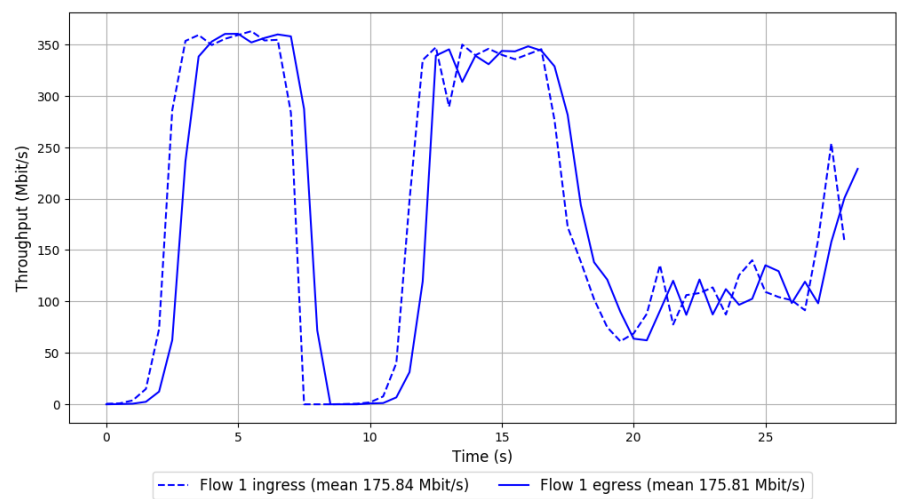


Run 1: Statistics of Copa

Start at: 2018-05-30 07:29:49
End at: 2018-05-30 07:30:19
Local clock offset: 18.725 ms
Remote clock offset: 30.089 ms

Below is generated by plot.py at 2018-05-30 11:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 120.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 120.470 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

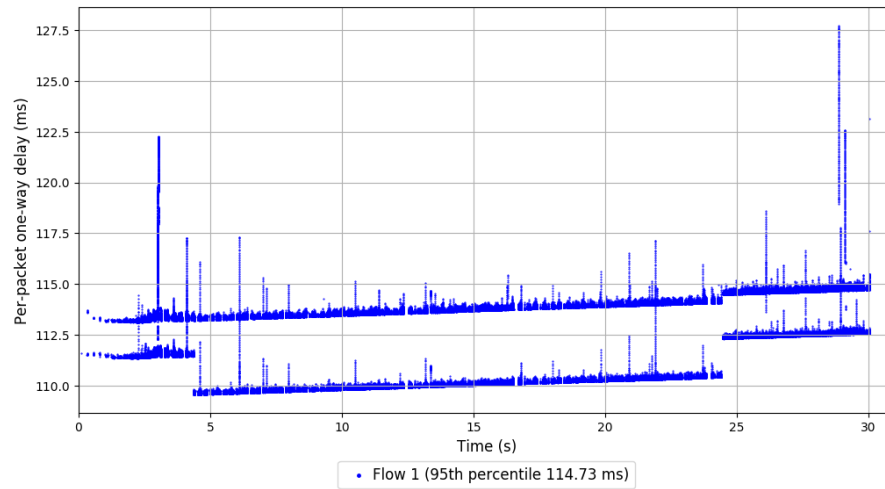
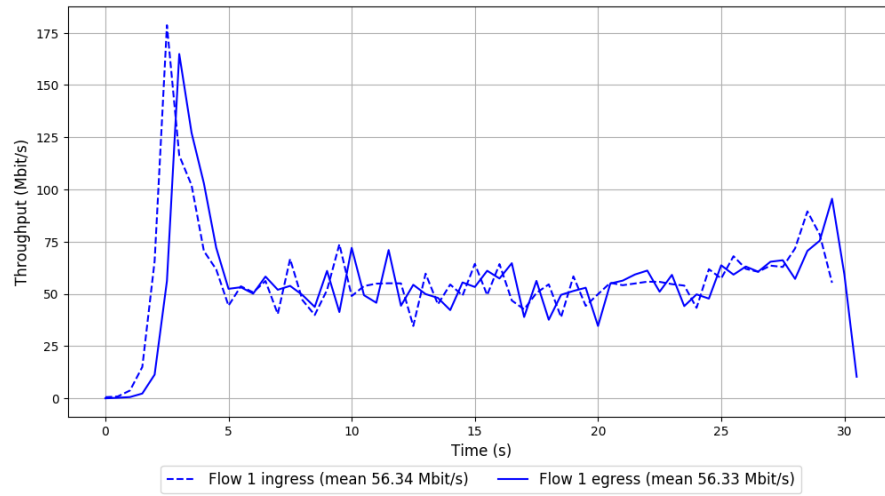


Run 2: Statistics of Copa

Start at: 2018-05-30 07:50:32
End at: 2018-05-30 07:51:02
Local clock offset: 14.087 ms
Remote clock offset: 25.111 ms

Below is generated by plot.py at 2018-05-30 11:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 114.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 114.727 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

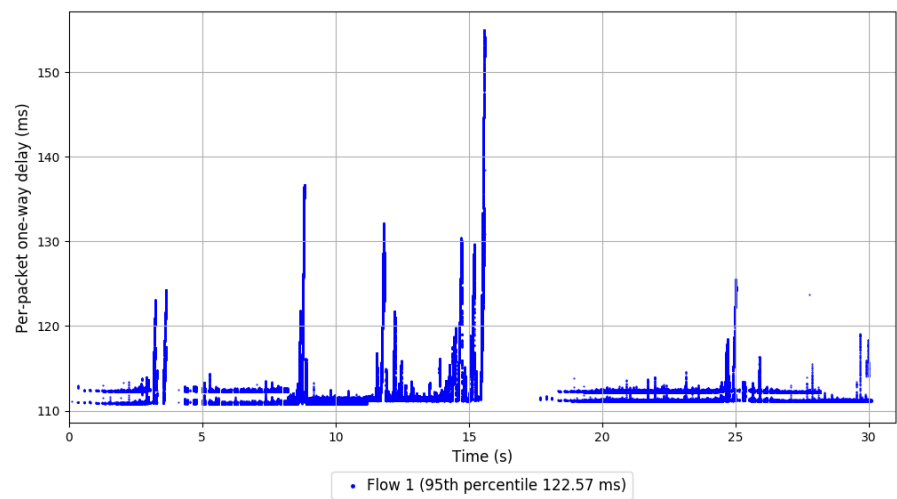
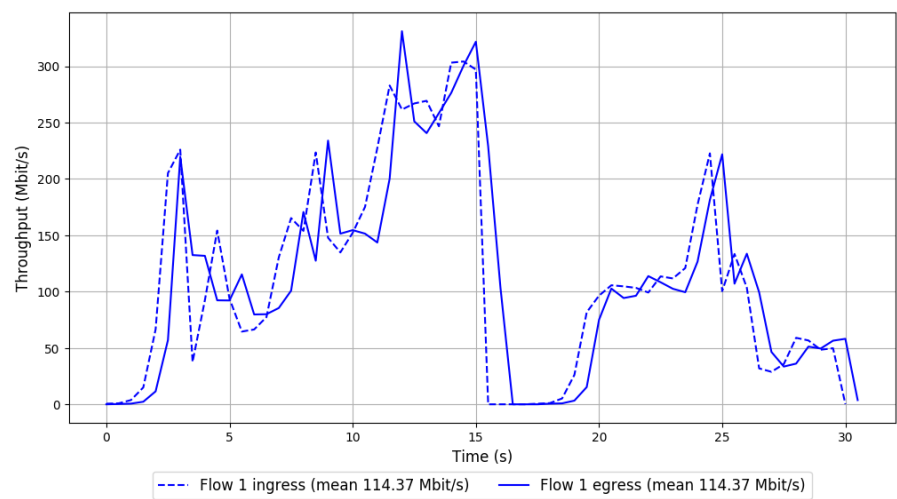


Run 3: Statistics of Copa

Start at: 2018-05-30 08:10:58
End at: 2018-05-30 08:11:29
Local clock offset: 6.505 ms
Remote clock offset: 10.814 ms

Below is generated by plot.py at 2018-05-30 11:01:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.37 Mbit/s
95th percentile per-packet one-way delay: 122.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.37 Mbit/s
95th percentile per-packet one-way delay: 122.570 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-30 08:32:03

End at: 2018-05-30 08:32:33

Local clock offset: 7.933 ms

Remote clock offset: 4.792 ms

Below is generated by plot.py at 2018-05-30 11:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 119.796 ms

Loss rate: 0.00%

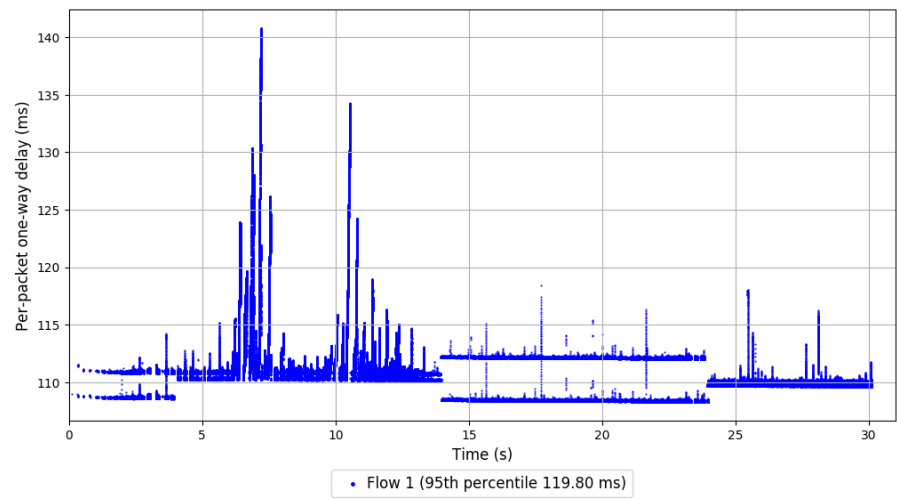
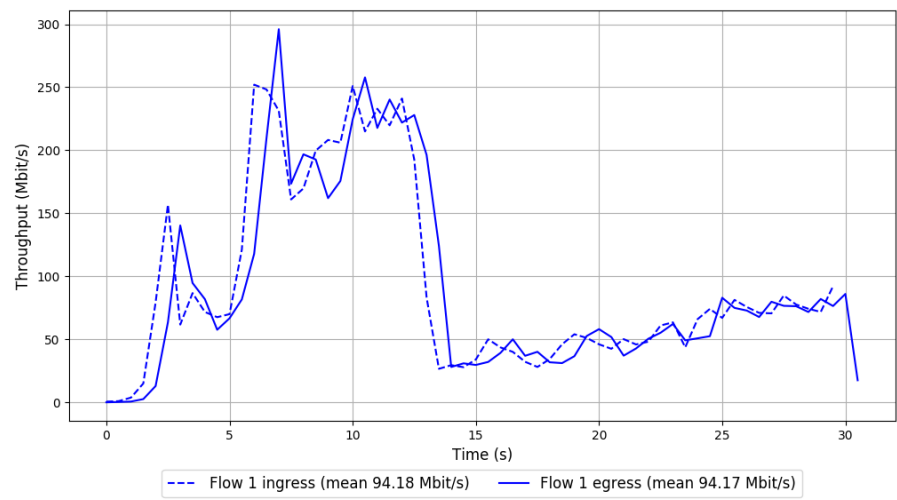
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 119.796 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-30 08:52:49

End at: 2018-05-30 08:53:19

Local clock offset: 1.68 ms

Remote clock offset: 5.609 ms

Below is generated by plot.py at 2018-05-30 11:01:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.41 Mbit/s

95th percentile per-packet one-way delay: 112.791 ms

Loss rate: 0.00%

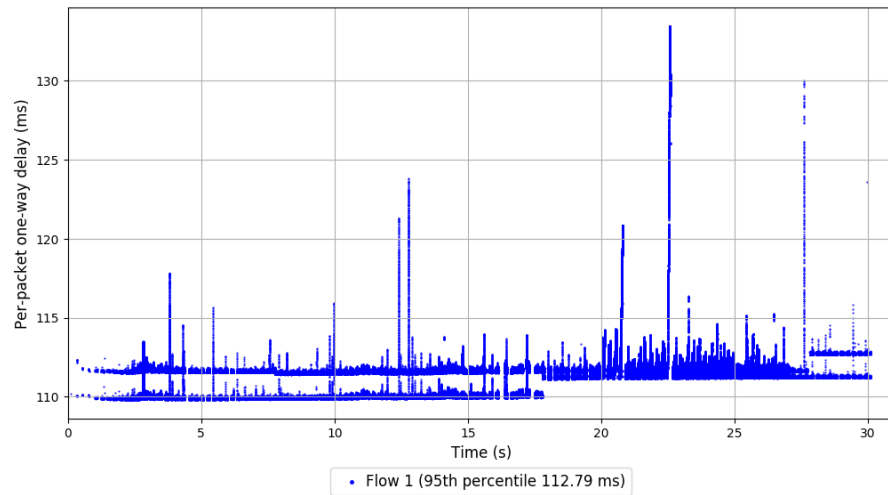
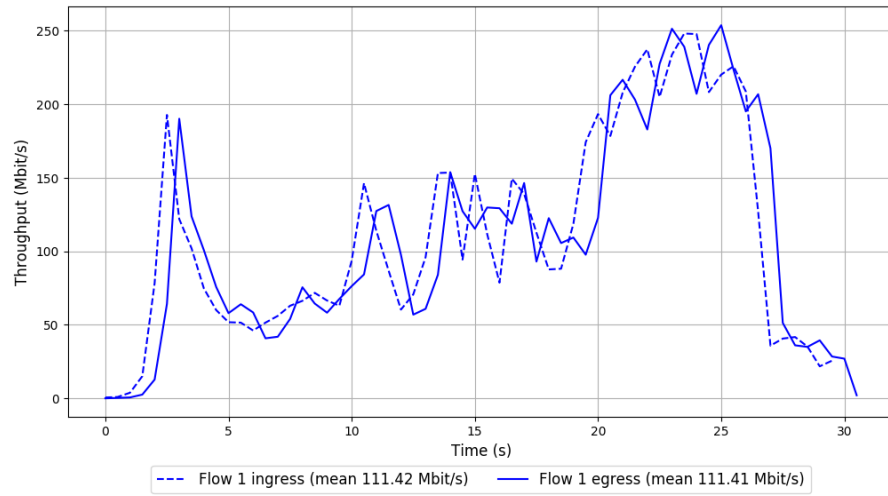
-- Flow 1:

Average throughput: 111.41 Mbit/s

95th percentile per-packet one-way delay: 112.791 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-30 09:13:36

End at: 2018-05-30 09:14:06

Local clock offset: 0.776 ms

Remote clock offset: 1.884 ms

Below is generated by plot.py at 2018-05-30 11:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.32 Mbit/s

95th percentile per-packet one-way delay: 123.475 ms

Loss rate: 0.00%

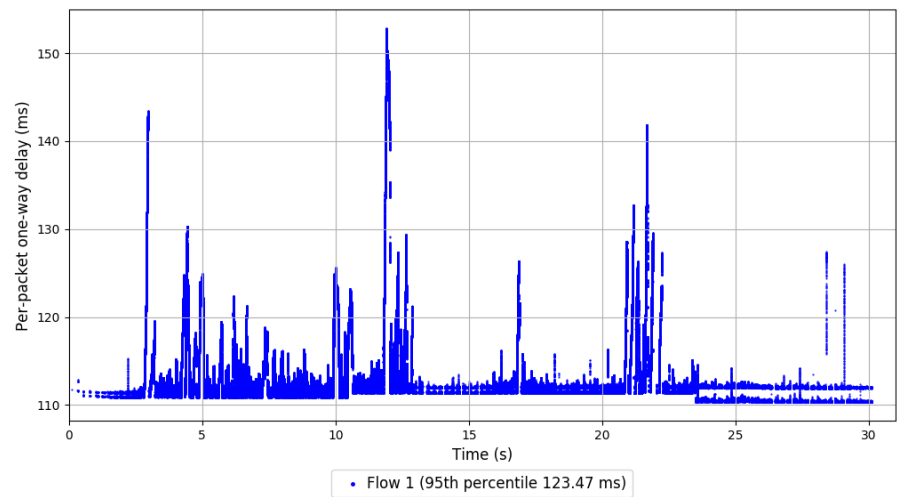
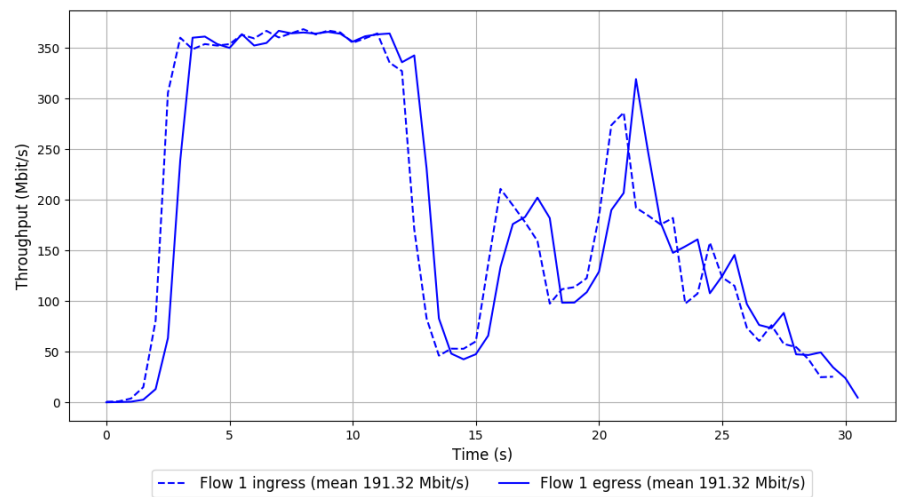
-- Flow 1:

Average throughput: 191.32 Mbit/s

95th percentile per-packet one-way delay: 123.475 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-30 09:34:15

End at: 2018-05-30 09:34:45

Local clock offset: 0.757 ms

Remote clock offset: 1.281 ms

Below is generated by plot.py at 2018-05-30 11:05:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.84 Mbit/s

95th percentile per-packet one-way delay: 116.200 ms

Loss rate: 0.01%

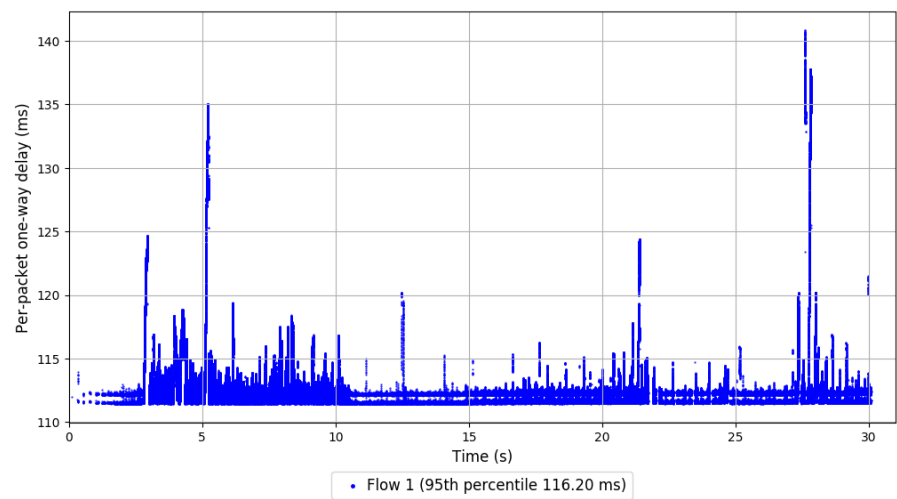
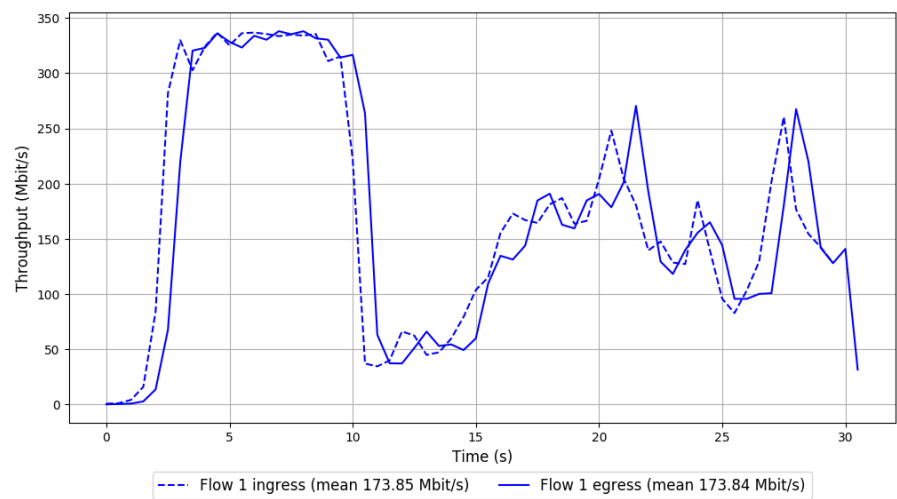
-- Flow 1:

Average throughput: 173.84 Mbit/s

95th percentile per-packet one-way delay: 116.200 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-30 09:54:41

End at: 2018-05-30 09:55:11

Local clock offset: 1.005 ms

Remote clock offset: 1.078 ms

Below is generated by plot.py at 2018-05-30 11:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.42 Mbit/s

95th percentile per-packet one-way delay: 112.513 ms

Loss rate: 0.00%

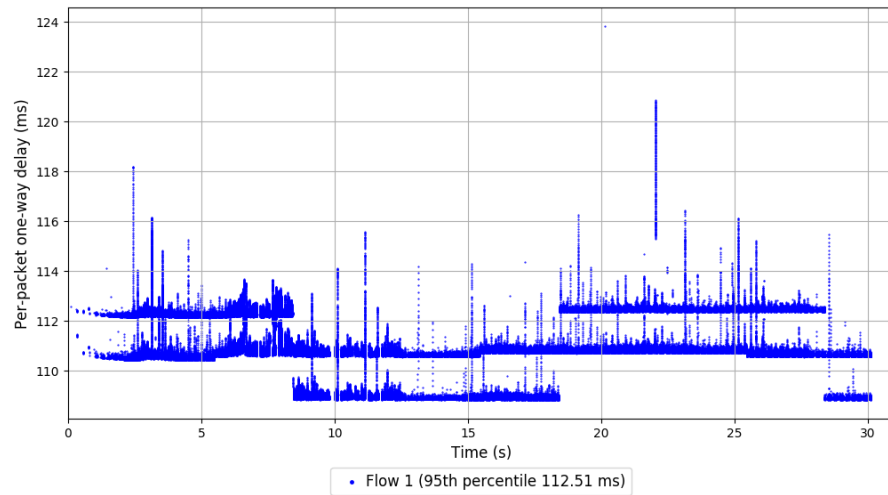
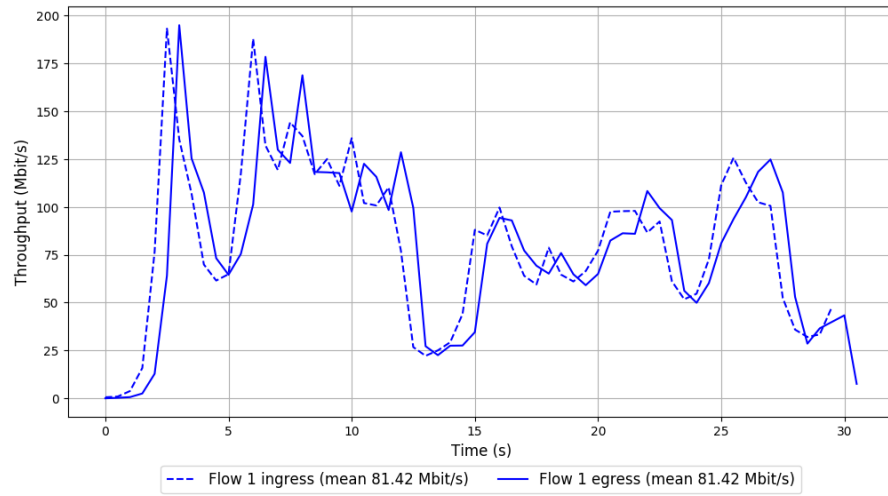
-- Flow 1:

Average throughput: 81.42 Mbit/s

95th percentile per-packet one-way delay: 112.513 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-30 10:15:33

End at: 2018-05-30 10:16:03

Local clock offset: 0.962 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.29 Mbit/s

95th percentile per-packet one-way delay: 114.357 ms

Loss rate: 0.00%

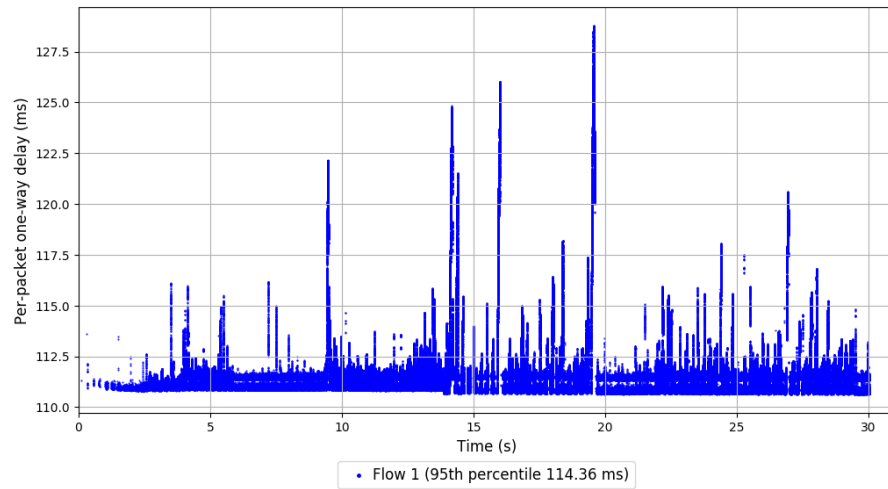
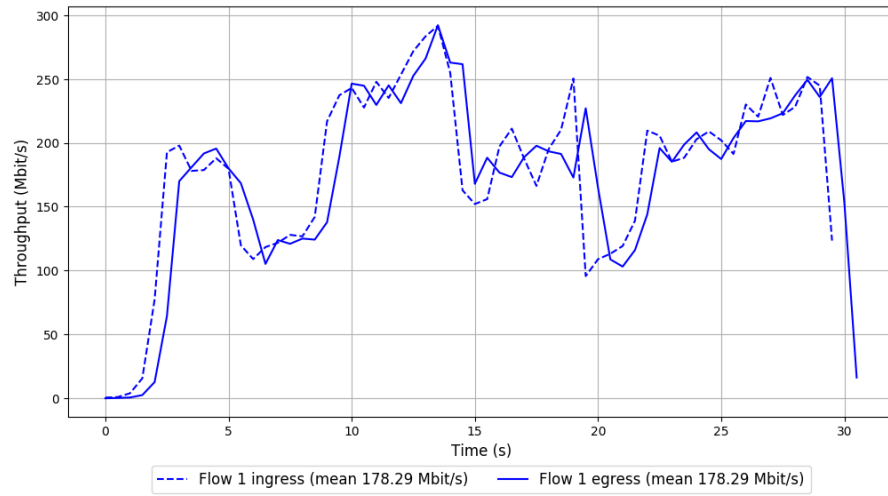
-- Flow 1:

Average throughput: 178.29 Mbit/s

95th percentile per-packet one-way delay: 114.357 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-30 10:36:16

End at: 2018-05-30 10:36:46

Local clock offset: -0.193 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.34 Mbit/s

95th percentile per-packet one-way delay: 114.938 ms

Loss rate: 0.00%

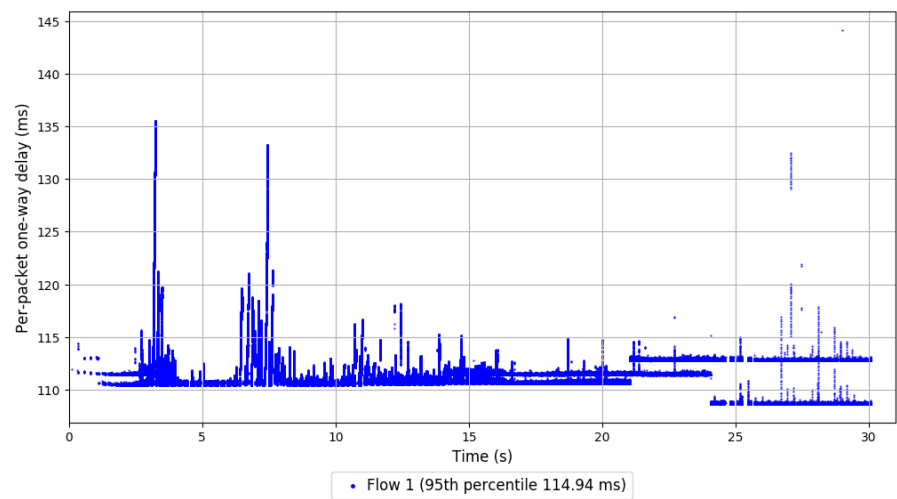
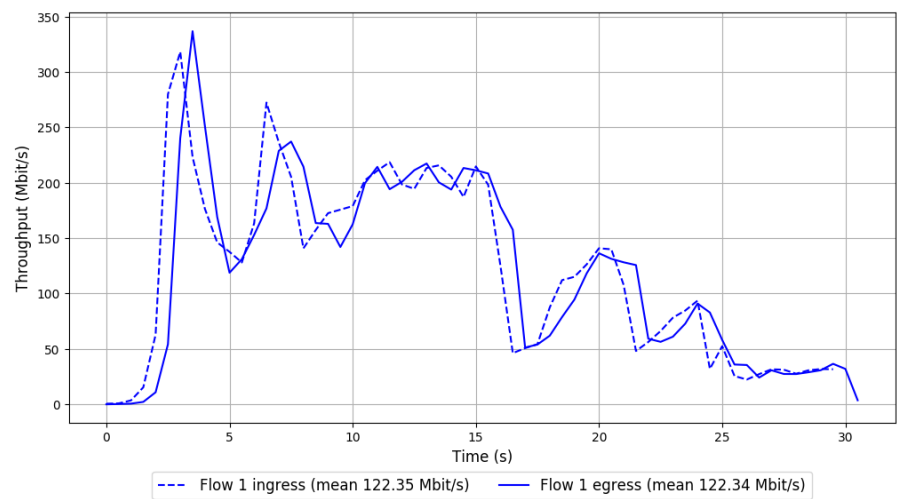
-- Flow 1:

Average throughput: 122.34 Mbit/s

95th percentile per-packet one-way delay: 114.938 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

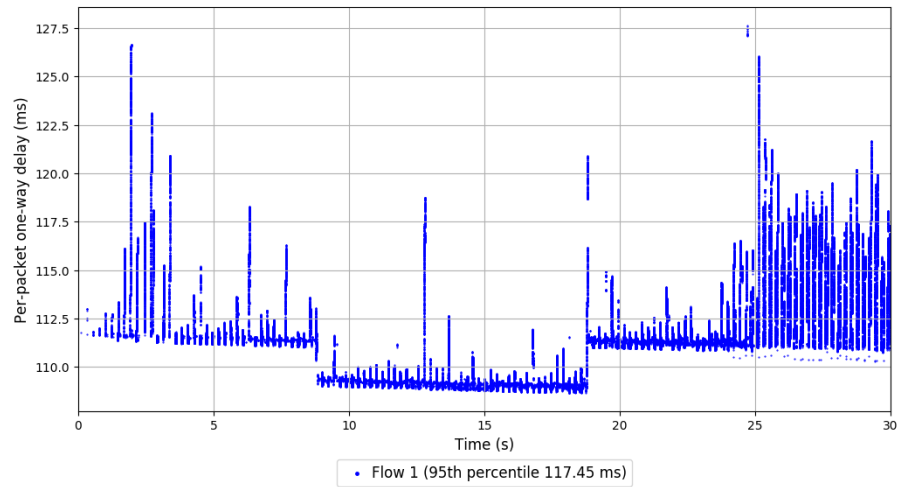
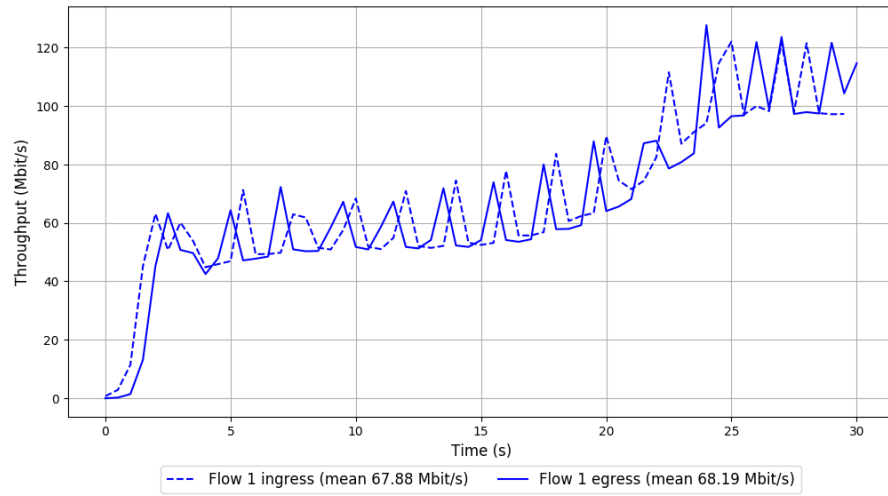


Run 1: Statistics of TCP Cubic

Start at: 2018-05-30 07:28:38
End at: 2018-05-30 07:29:08
Local clock offset: 20.455 ms
Remote clock offset: 28.875 ms

Below is generated by plot.py at 2018-05-30 11:05:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 117.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 117.448 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

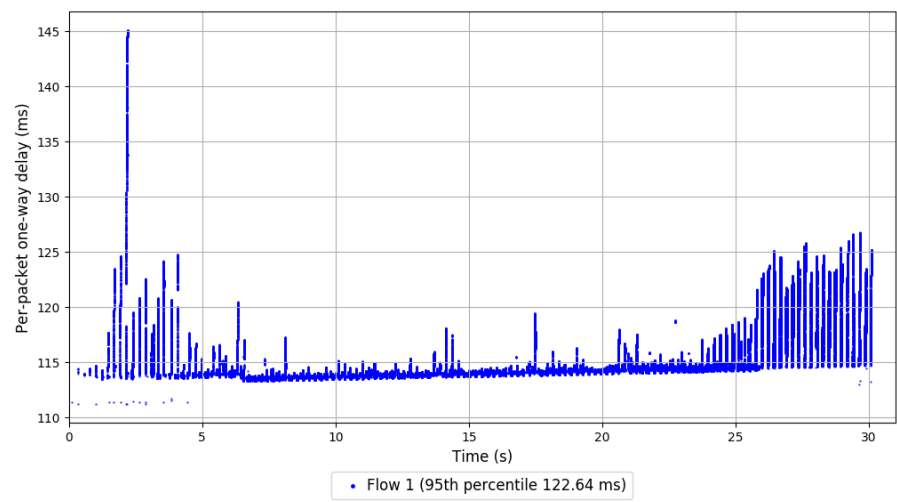
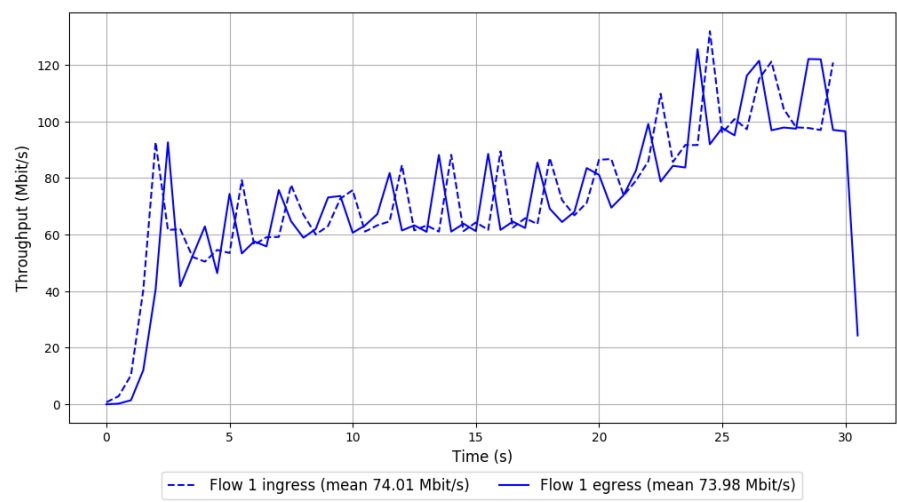


Run 2: Statistics of TCP Cubic

Start at: 2018-05-30 07:49:20
End at: 2018-05-30 07:49:50
Local clock offset: 14.057 ms
Remote clock offset: 28.415 ms

Below is generated by plot.py at 2018-05-30 11:05:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 122.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 122.645 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

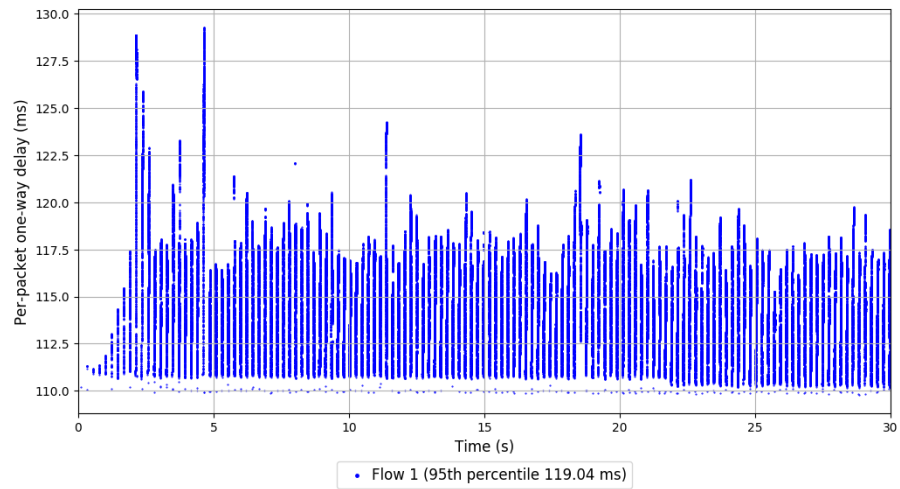
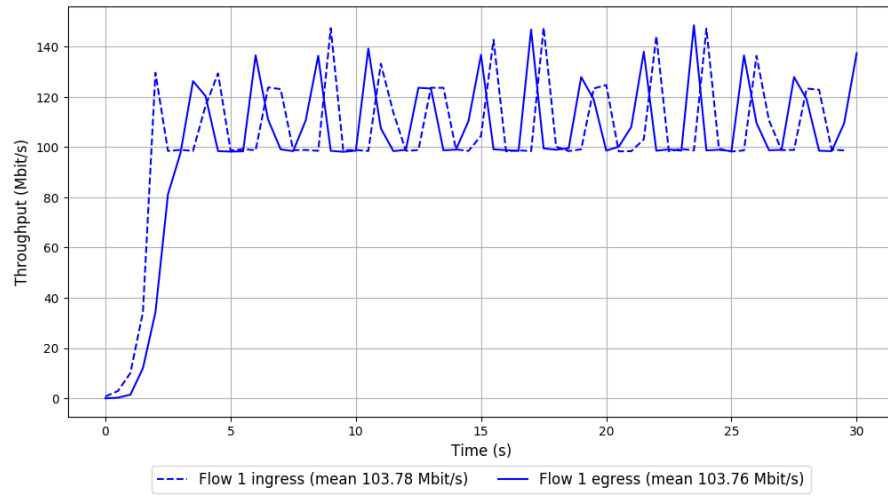


Run 3: Statistics of TCP Cubic

Start at: 2018-05-30 08:09:45
End at: 2018-05-30 08:10:15
Local clock offset: 7.024 ms
Remote clock offset: 10.396 ms

Below is generated by plot.py at 2018-05-30 11:05:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.76 Mbit/s
95th percentile per-packet one-way delay: 119.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.76 Mbit/s
95th percentile per-packet one-way delay: 119.039 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-30 08:30:51

End at: 2018-05-30 08:31:21

Local clock offset: 7.794 ms

Remote clock offset: 4.616 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 116.118 ms

Loss rate: 0.00%

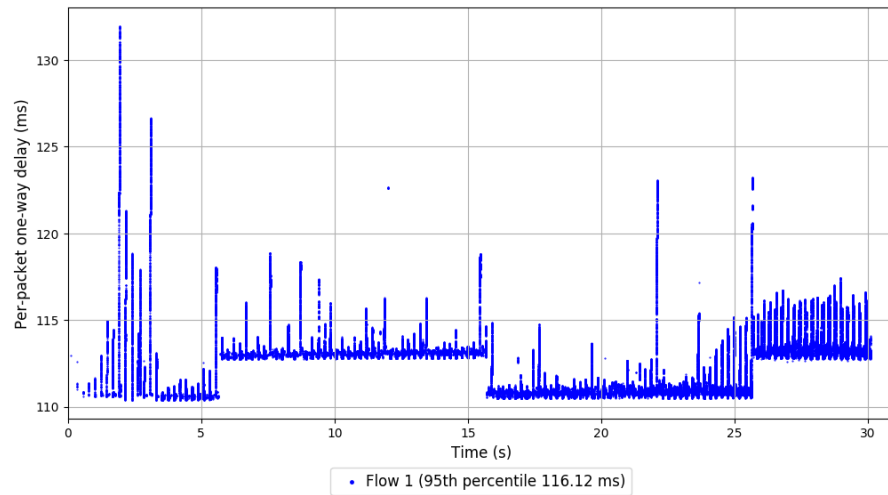
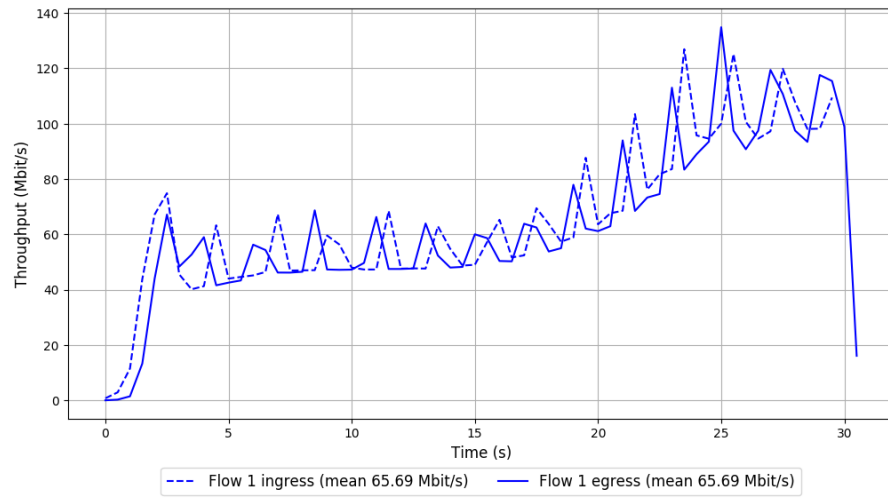
-- Flow 1:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 116.118 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-30 08:51:37

End at: 2018-05-30 08:52:07

Local clock offset: 1.655 ms

Remote clock offset: 5.102 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.82 Mbit/s

95th percentile per-packet one-way delay: 117.367 ms

Loss rate: 0.10%

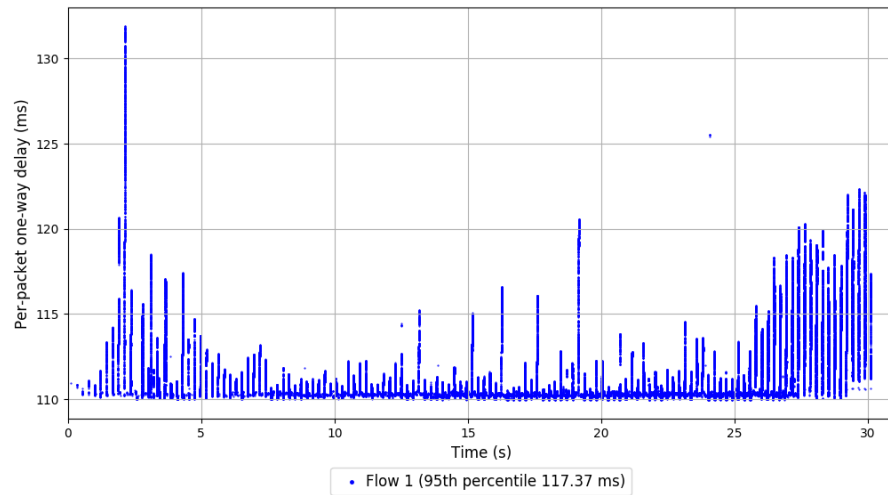
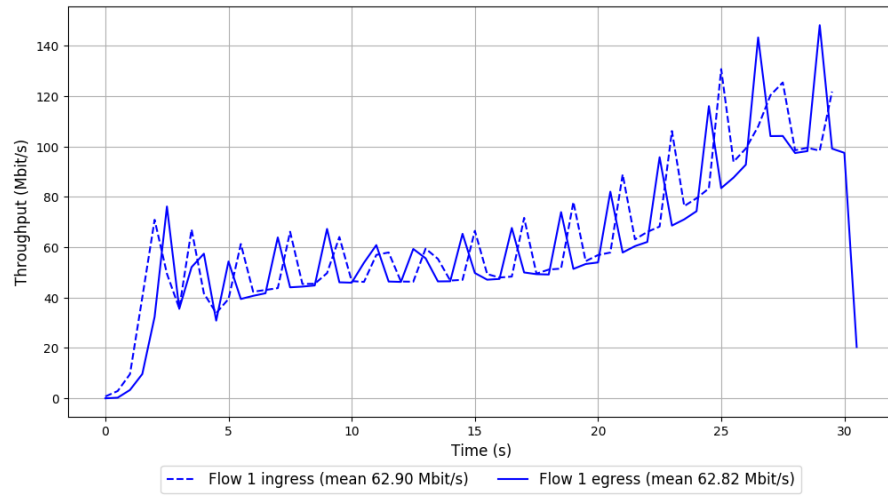
-- Flow 1:

Average throughput: 62.82 Mbit/s

95th percentile per-packet one-way delay: 117.367 ms

Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-30 09:12:23

End at: 2018-05-30 09:12:53

Local clock offset: 0.901 ms

Remote clock offset: 2.262 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.37 Mbit/s

95th percentile per-packet one-way delay: 121.206 ms

Loss rate: 0.00%

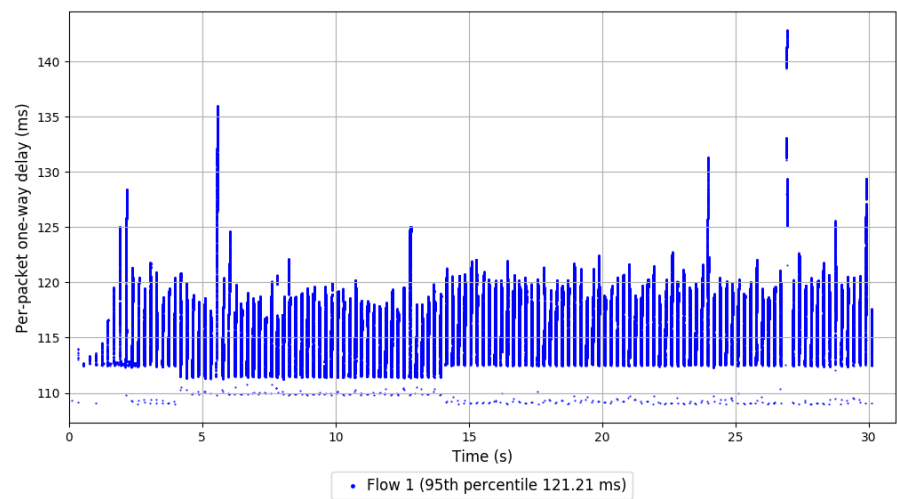
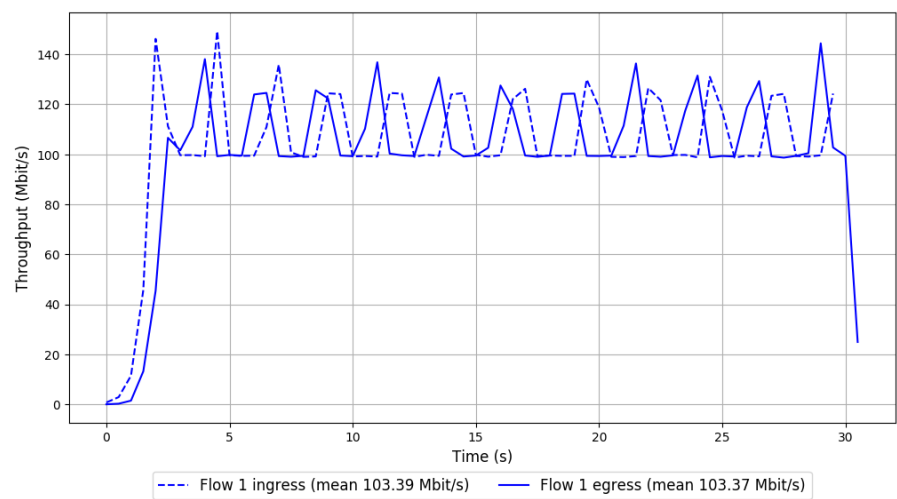
-- Flow 1:

Average throughput: 103.37 Mbit/s

95th percentile per-packet one-way delay: 121.206 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-30 09:33:03

End at: 2018-05-30 09:33:33

Local clock offset: 0.52 ms

Remote clock offset: 1.467 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.79 Mbit/s

95th percentile per-packet one-way delay: 117.806 ms

Loss rate: 0.00%

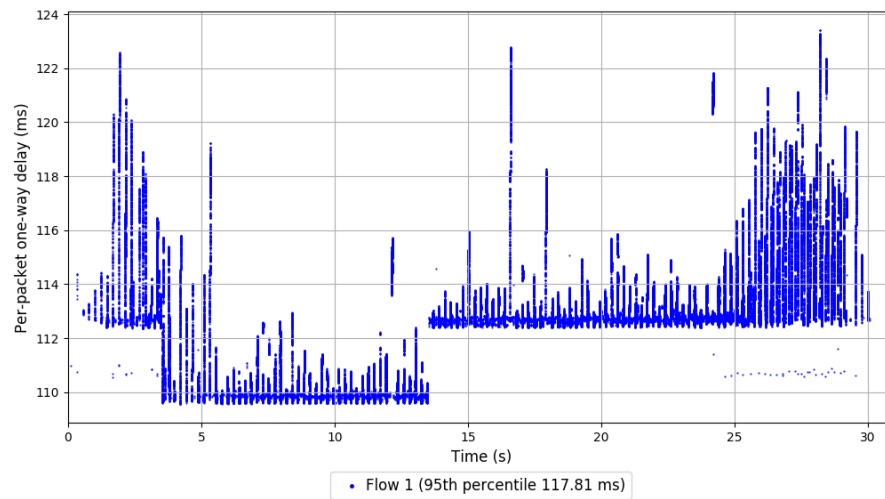
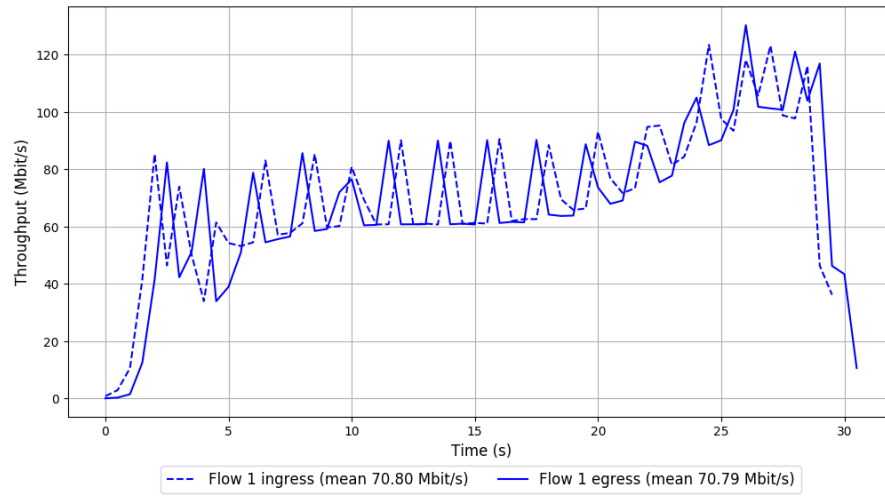
-- Flow 1:

Average throughput: 70.79 Mbit/s

95th percentile per-packet one-way delay: 117.806 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-30 09:53:30

End at: 2018-05-30 09:54:00

Local clock offset: 0.853 ms

Remote clock offset: 1.029 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.17 Mbit/s

95th percentile per-packet one-way delay: 115.142 ms

Loss rate: 0.00%

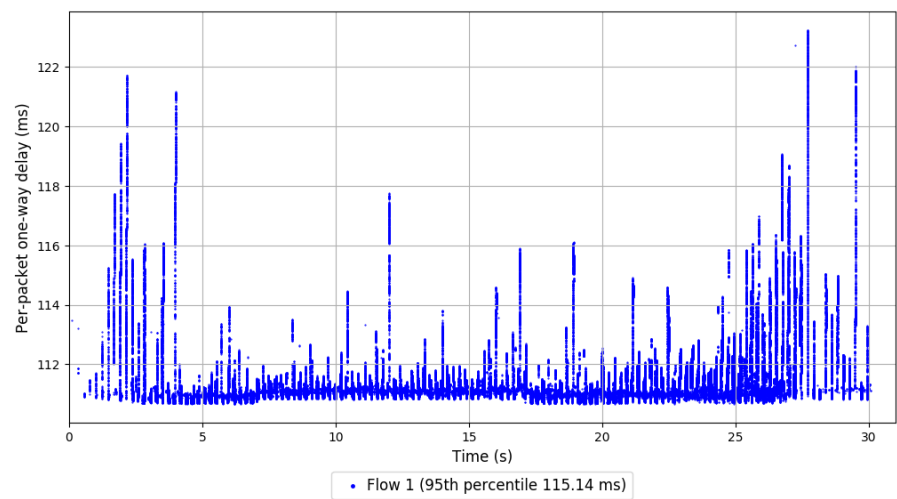
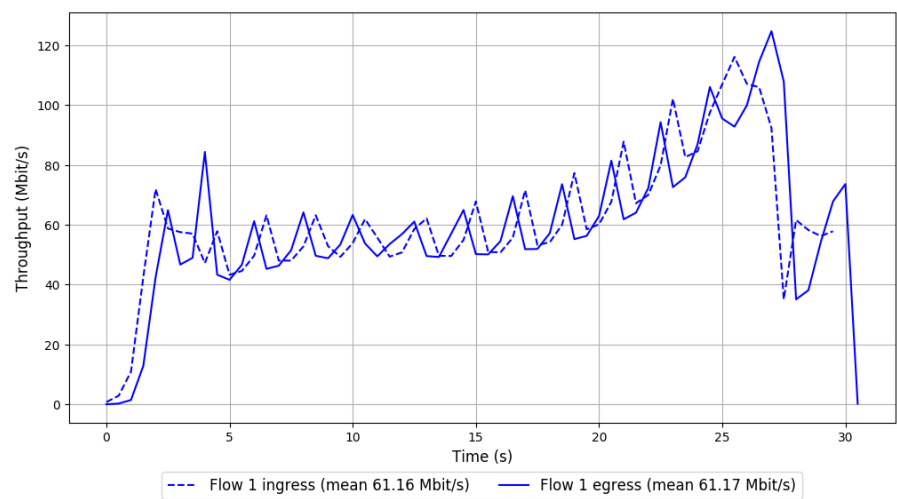
-- Flow 1:

Average throughput: 61.17 Mbit/s

95th percentile per-packet one-way delay: 115.142 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-30 10:14:21

End at: 2018-05-30 10:14:51

Local clock offset: 1.349 ms

Remote clock offset: 0.685 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 116.120 ms

Loss rate: 0.00%

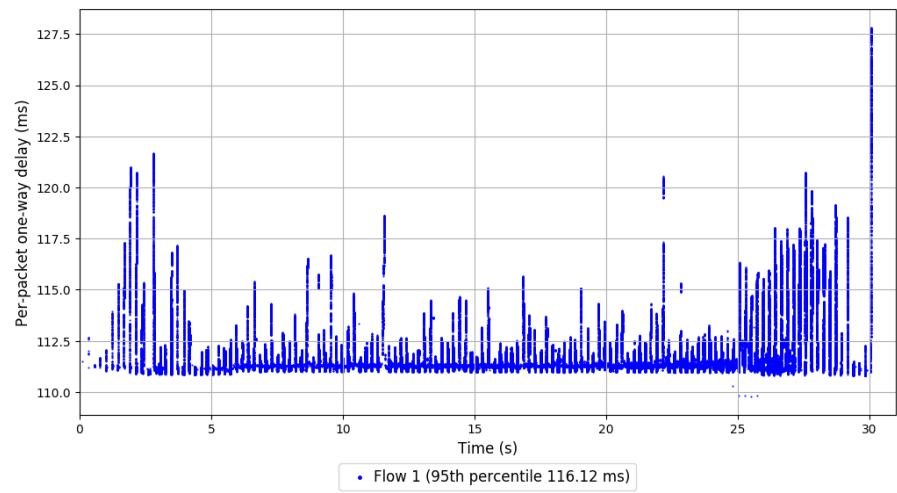
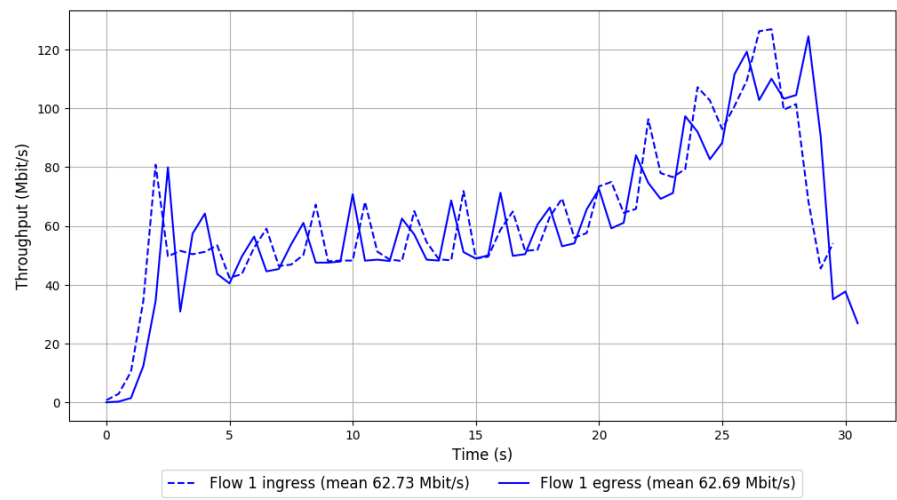
-- Flow 1:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 116.120 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-30 10:35:03

End at: 2018-05-30 10:35:33

Local clock offset: -0.147 ms

Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-05-30 11:05:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.92 Mbit/s

95th percentile per-packet one-way delay: 117.688 ms

Loss rate: 0.00%

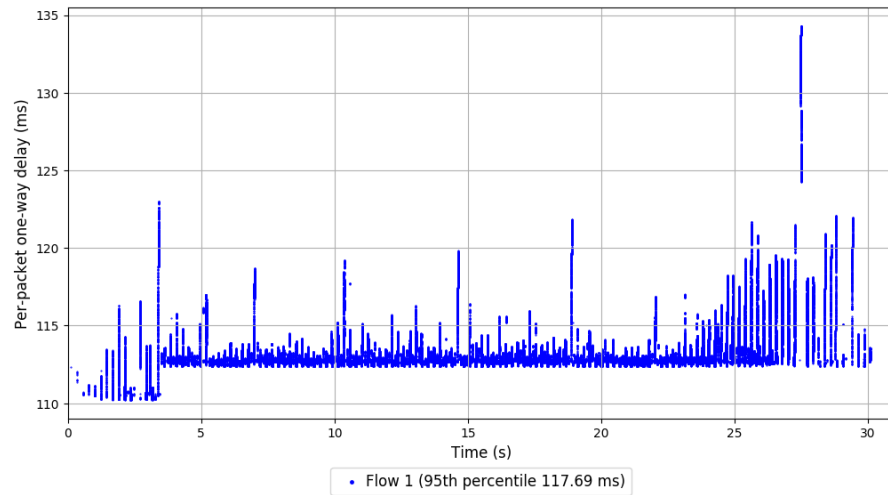
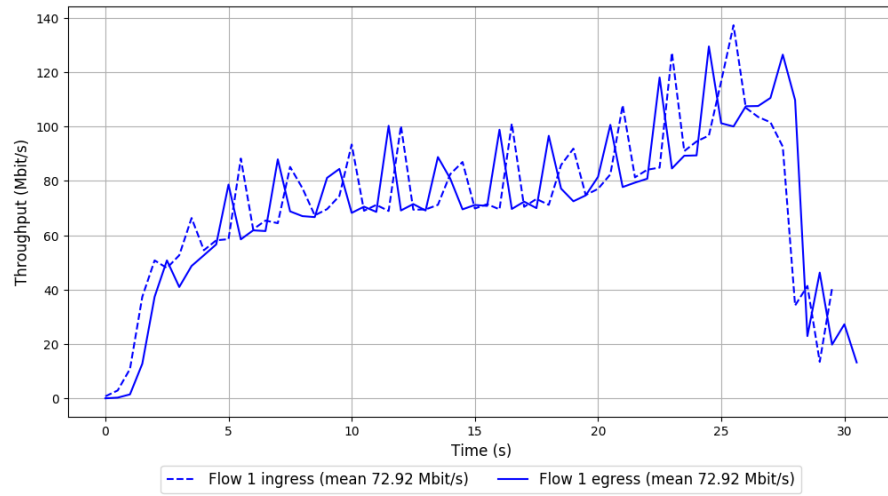
-- Flow 1:

Average throughput: 72.92 Mbit/s

95th percentile per-packet one-way delay: 117.688 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

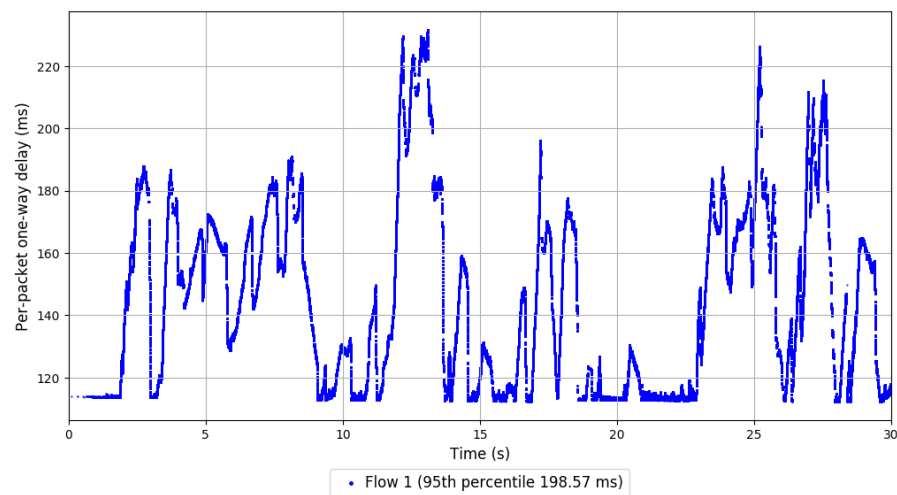
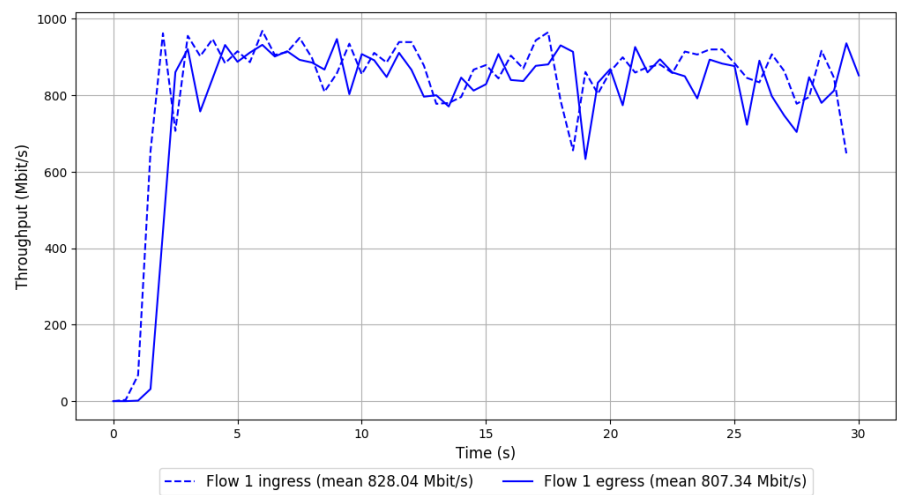


Run 1: Statistics of FillP

Start at: 2018-05-30 07:22:49
End at: 2018-05-30 07:23:19
Local clock offset: 32.749 ms
Remote clock offset: 25.103 ms

Below is generated by plot.py at 2018-05-30 11:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 807.34 Mbit/s
95th percentile per-packet one-way delay: 198.572 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 807.34 Mbit/s
95th percentile per-packet one-way delay: 198.572 ms
Loss rate: 2.51%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-30 07:43:31

End at: 2018-05-30 07:44:01

Local clock offset: 12.773 ms

Remote clock offset: 46.72 ms

Below is generated by plot.py at 2018-05-30 11:30:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 833.91 Mbit/s

95th percentile per-packet one-way delay: 183.941 ms

Loss rate: 0.15%

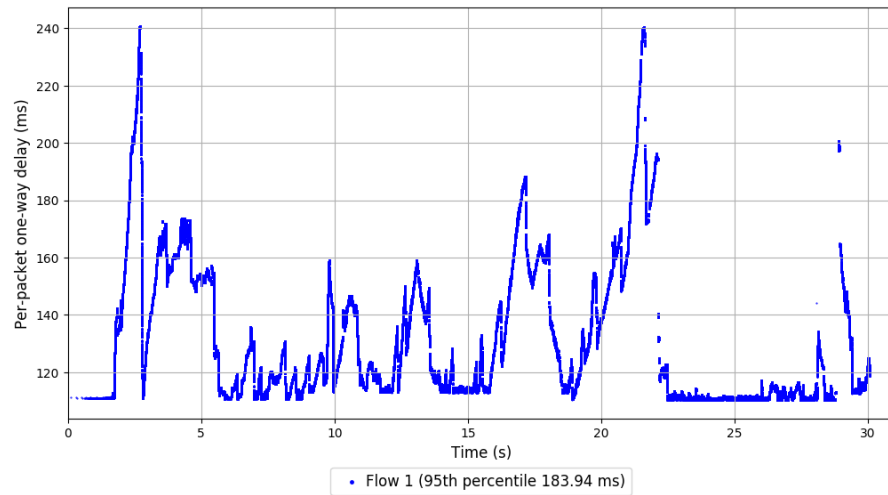
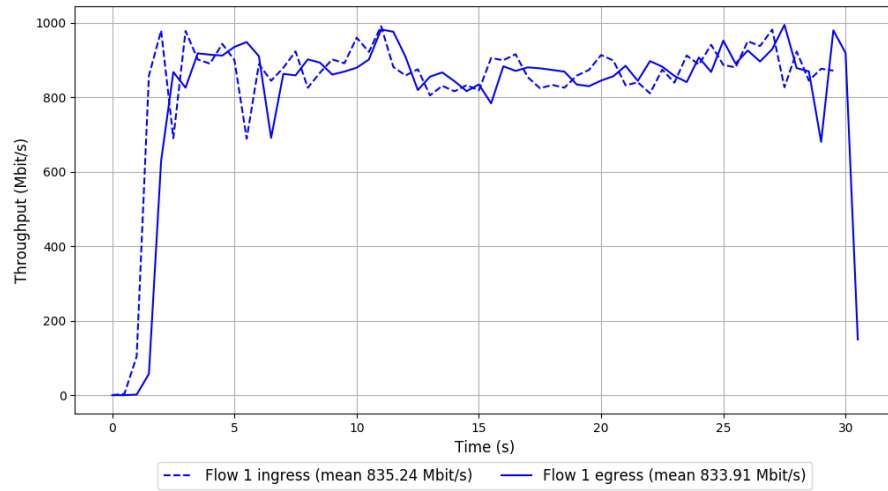
-- Flow 1:

Average throughput: 833.91 Mbit/s

95th percentile per-packet one-way delay: 183.941 ms

Loss rate: 0.15%

Run 2: Report of FillP — Data Link

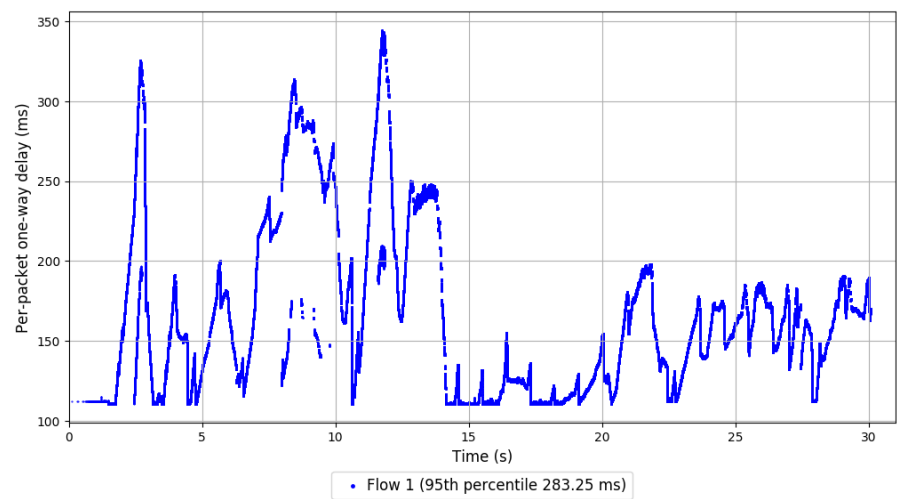
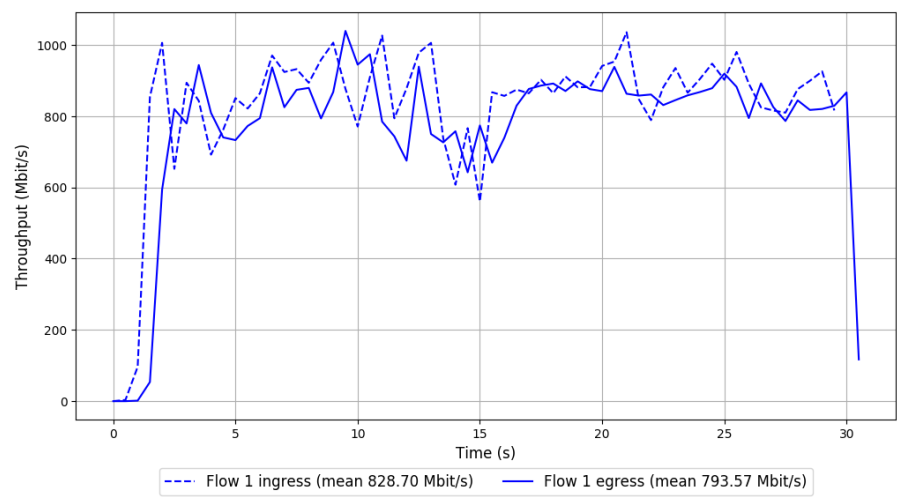


Run 3: Statistics of FillP

Start at: 2018-05-30 08:03:55
End at: 2018-05-30 08:04:25
Local clock offset: 9.438 ms
Remote clock offset: 11.602 ms

Below is generated by plot.py at 2018-05-30 11:30:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 793.57 Mbit/s
95th percentile per-packet one-way delay: 283.255 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 793.57 Mbit/s
95th percentile per-packet one-way delay: 283.255 ms
Loss rate: 4.25%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-30 08:25:00

End at: 2018-05-30 08:25:30

Local clock offset: 6.956 ms

Remote clock offset: 6.511 ms

Below is generated by plot.py at 2018-05-30 11:30:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 781.36 Mbit/s

95th percentile per-packet one-way delay: 314.711 ms

Loss rate: 3.52%

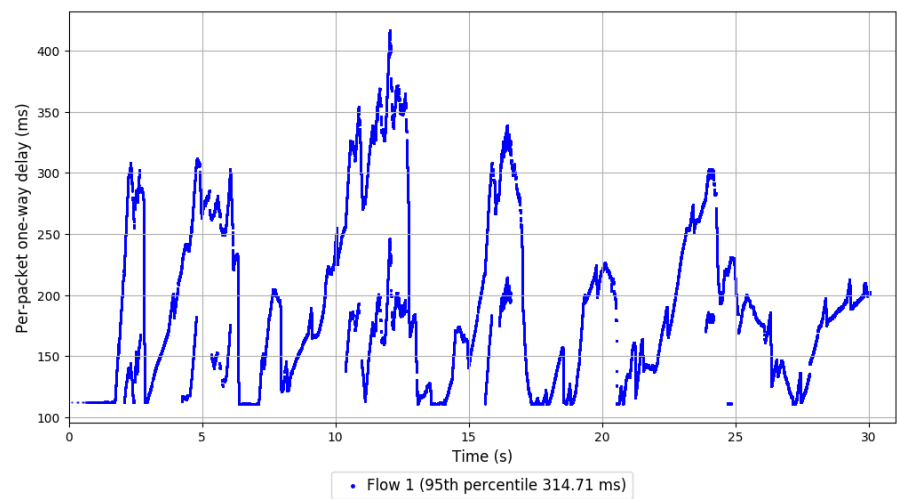
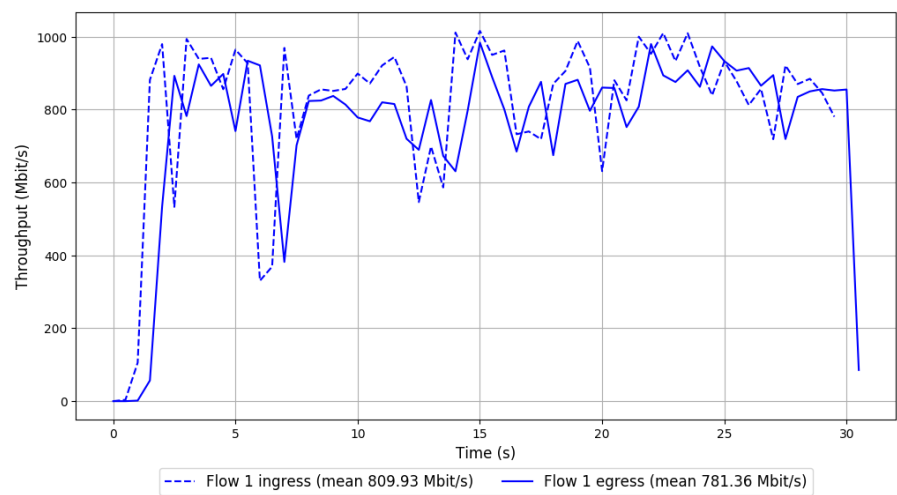
-- Flow 1:

Average throughput: 781.36 Mbit/s

95th percentile per-packet one-way delay: 314.711 ms

Loss rate: 3.52%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-30 08:45:46

End at: 2018-05-30 08:46:16

Local clock offset: 2.166 ms

Remote clock offset: 4.724 ms

Below is generated by plot.py at 2018-05-30 11:30:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 794.66 Mbit/s

95th percentile per-packet one-way delay: 240.556 ms

Loss rate: 2.95%

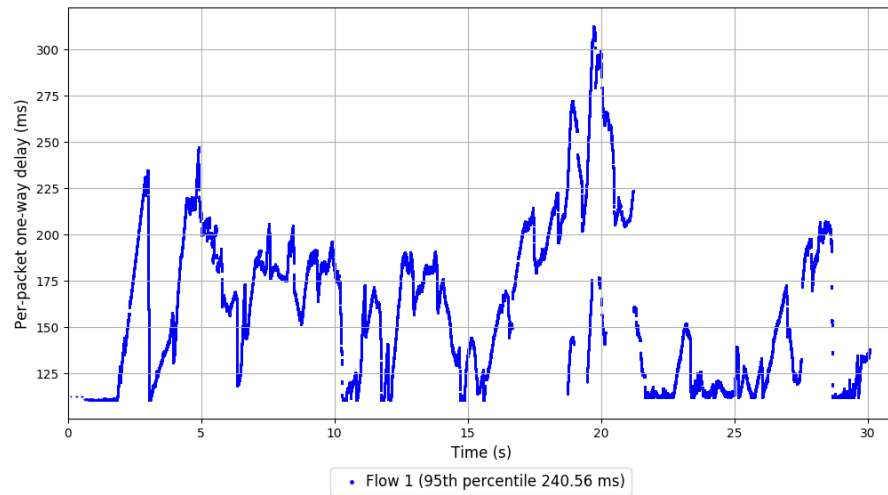
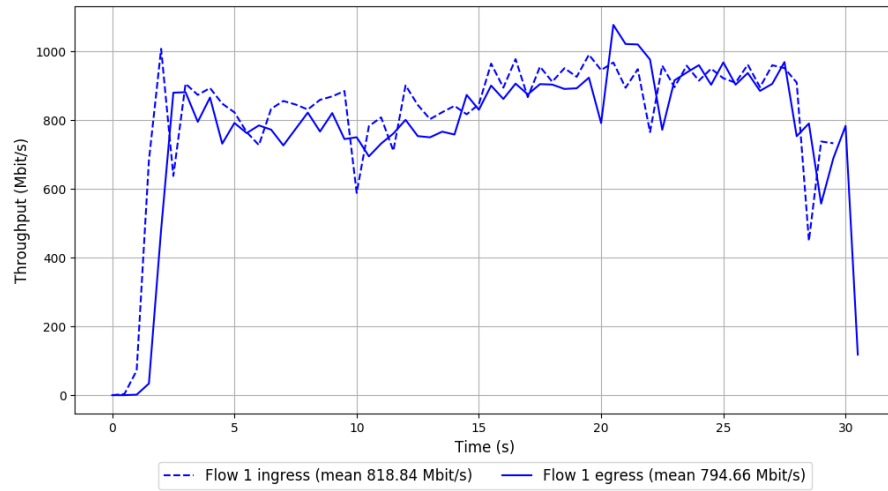
-- Flow 1:

Average throughput: 794.66 Mbit/s

95th percentile per-packet one-way delay: 240.556 ms

Loss rate: 2.95%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-30 09:06:34

End at: 2018-05-30 09:07:04

Local clock offset: 1.591 ms

Remote clock offset: 1.986 ms

Below is generated by plot.py at 2018-05-30 11:30:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 786.34 Mbit/s

95th percentile per-packet one-way delay: 255.884 ms

Loss rate: 1.83%

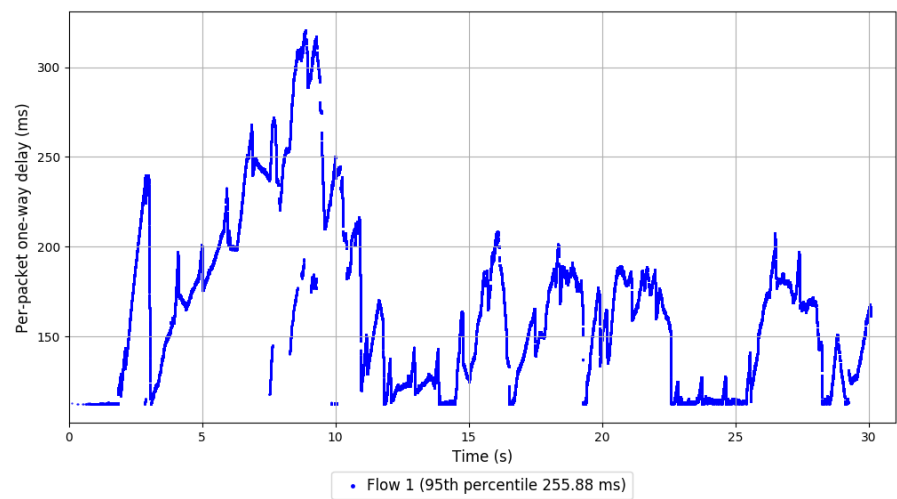
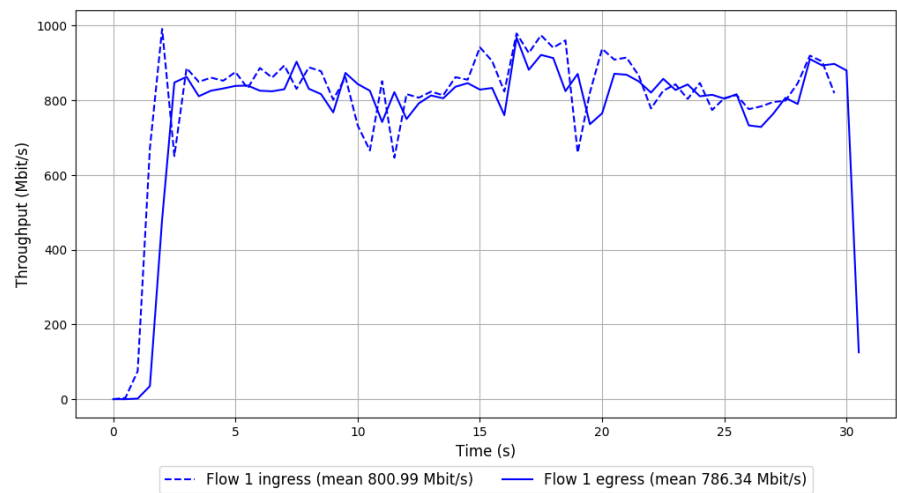
-- Flow 1:

Average throughput: 786.34 Mbit/s

95th percentile per-packet one-way delay: 255.884 ms

Loss rate: 1.83%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-30 09:27:22

End at: 2018-05-30 09:27:52

Local clock offset: 0.417 ms

Remote clock offset: 2.401 ms

Below is generated by plot.py at 2018-05-30 11:30:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 782.61 Mbit/s

95th percentile per-packet one-way delay: 186.329 ms

Loss rate: 2.77%

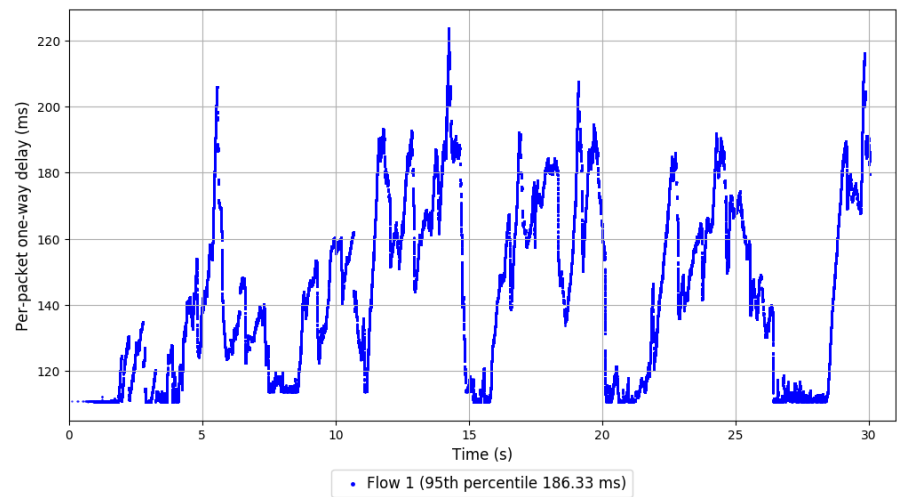
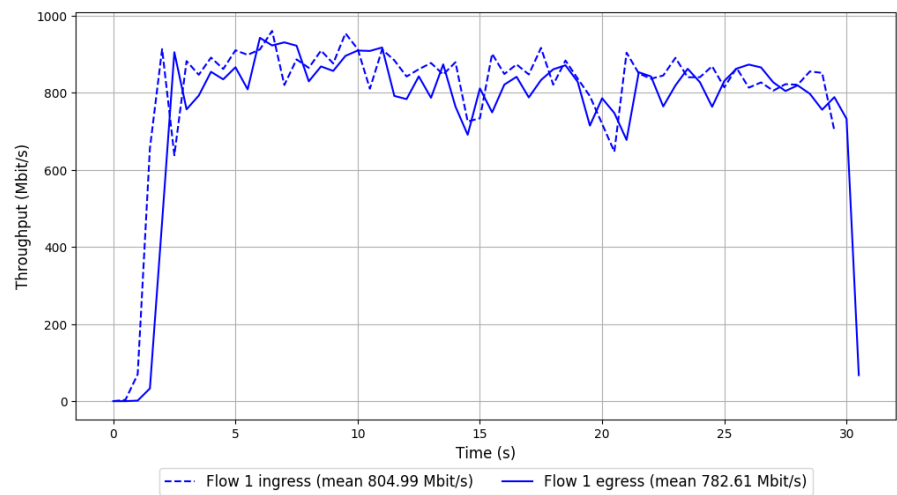
-- Flow 1:

Average throughput: 782.61 Mbit/s

95th percentile per-packet one-way delay: 186.329 ms

Loss rate: 2.77%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-30 09:47:48

End at: 2018-05-30 09:48:18

Local clock offset: 0.997 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-05-30 11:30:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 780.96 Mbit/s

95th percentile per-packet one-way delay: 188.477 ms

Loss rate: 0.78%

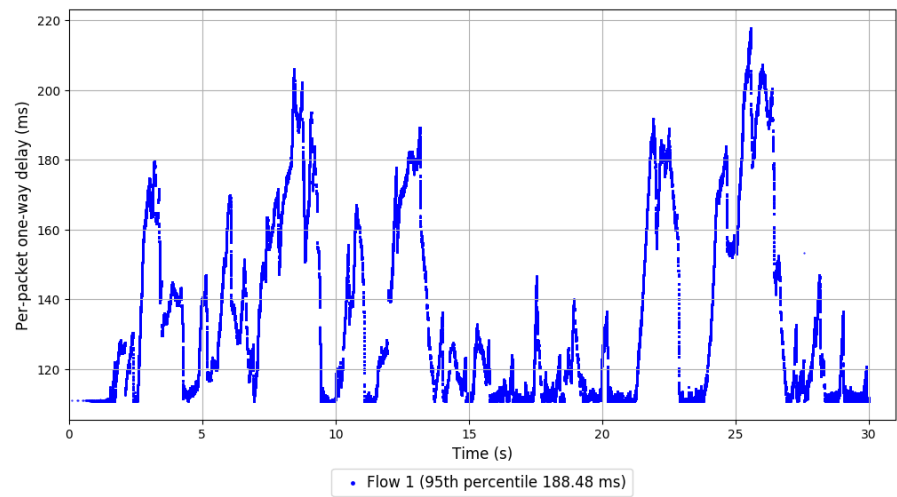
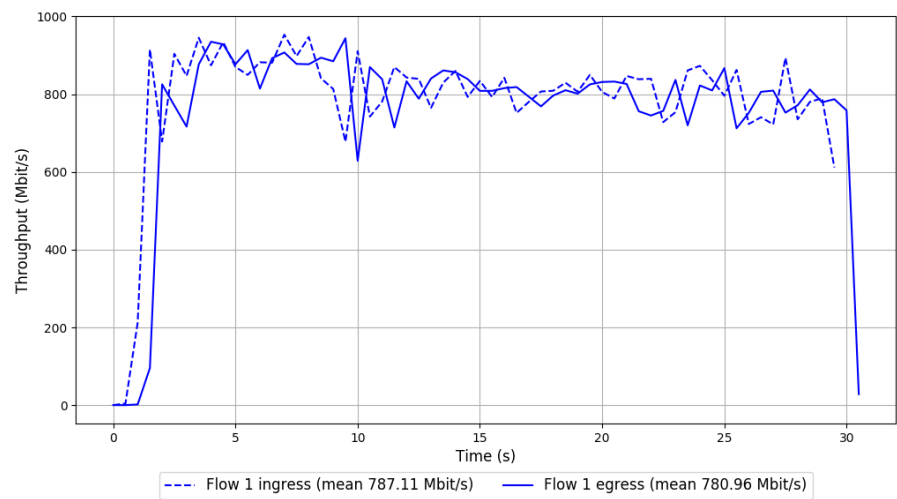
-- Flow 1:

Average throughput: 780.96 Mbit/s

95th percentile per-packet one-way delay: 188.477 ms

Loss rate: 0.78%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-30 10:08:36

End at: 2018-05-30 10:09:06

Local clock offset: 1.21 ms

Remote clock offset: 0.547 ms

Below is generated by plot.py at 2018-05-30 11:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 747.85 Mbit/s

95th percentile per-packet one-way delay: 166.379 ms

Loss rate: 0.66%

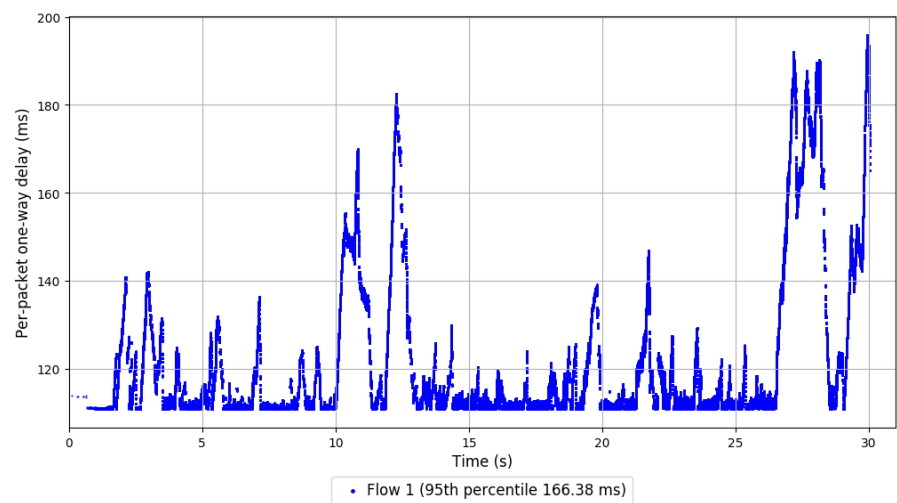
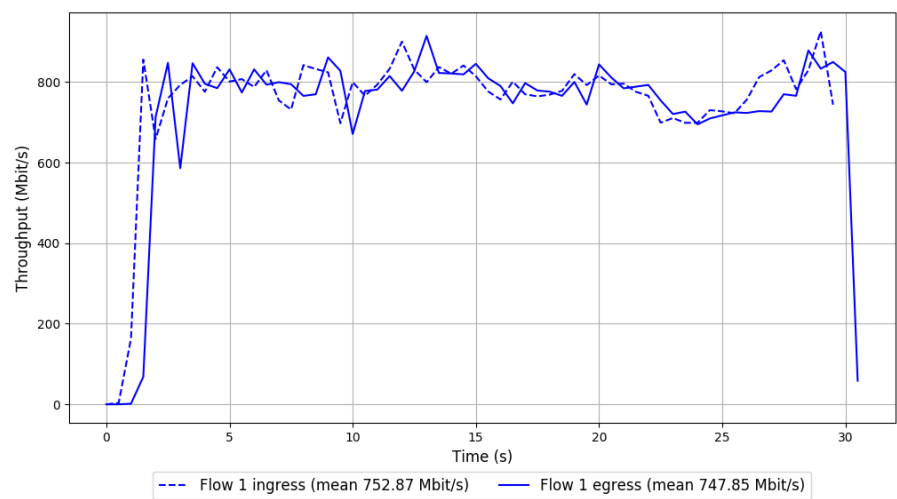
-- Flow 1:

Average throughput: 747.85 Mbit/s

95th percentile per-packet one-way delay: 166.379 ms

Loss rate: 0.66%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-30 10:29:22

End at: 2018-05-30 10:29:52

Local clock offset: 0.169 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-05-30 11:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 739.70 Mbit/s

95th percentile per-packet one-way delay: 189.137 ms

Loss rate: 1.01%

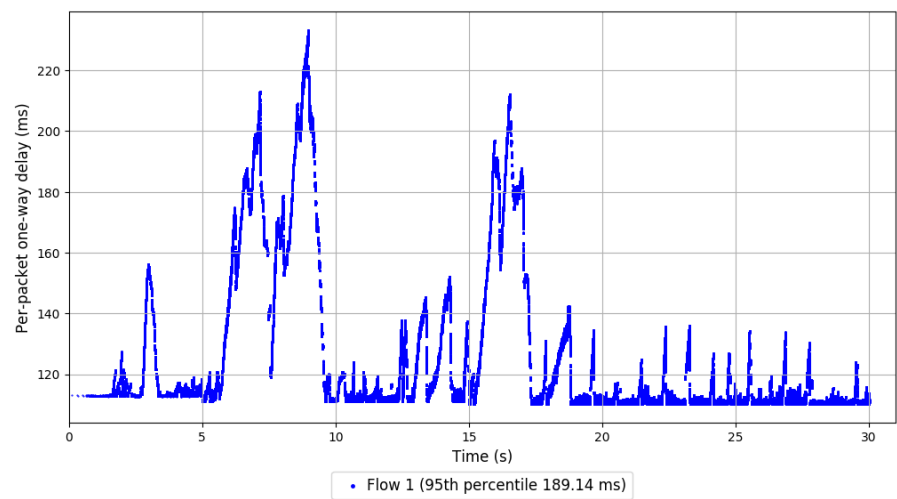
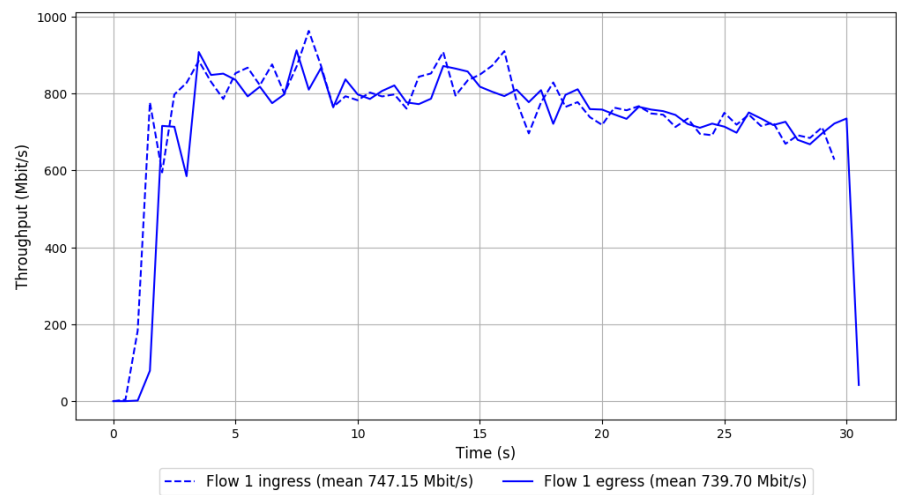
-- Flow 1:

Average throughput: 739.70 Mbit/s

95th percentile per-packet one-way delay: 189.137 ms

Loss rate: 1.01%

Run 10: Report of FillP — Data Link

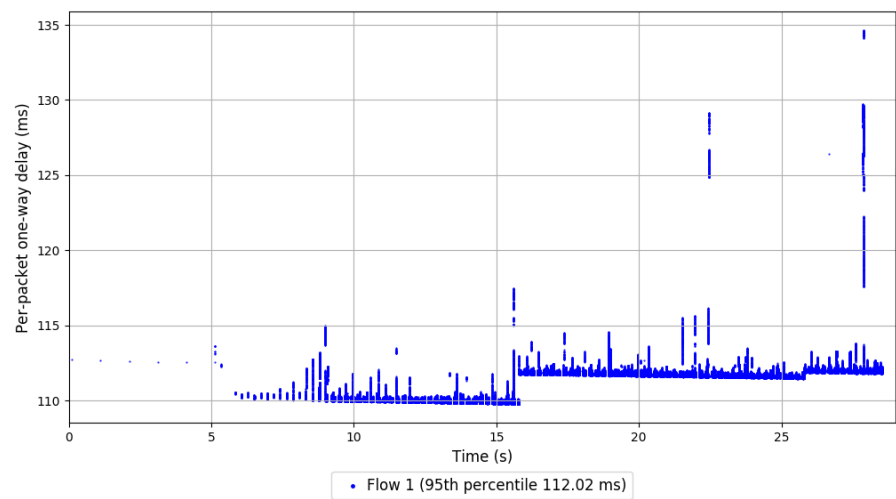
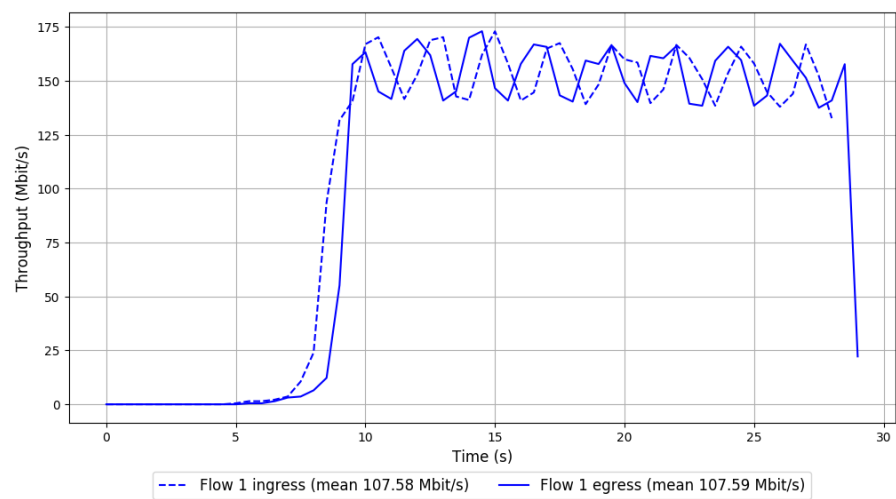


Run 1: Statistics of Indigo

Start at: 2018-05-30 07:33:39
End at: 2018-05-30 07:34:09
Local clock offset: 14.484 ms
Remote clock offset: 34.227 ms

Below is generated by plot.py at 2018-05-30 11:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.59 Mbit/s
95th percentile per-packet one-way delay: 112.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.59 Mbit/s
95th percentile per-packet one-way delay: 112.023 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

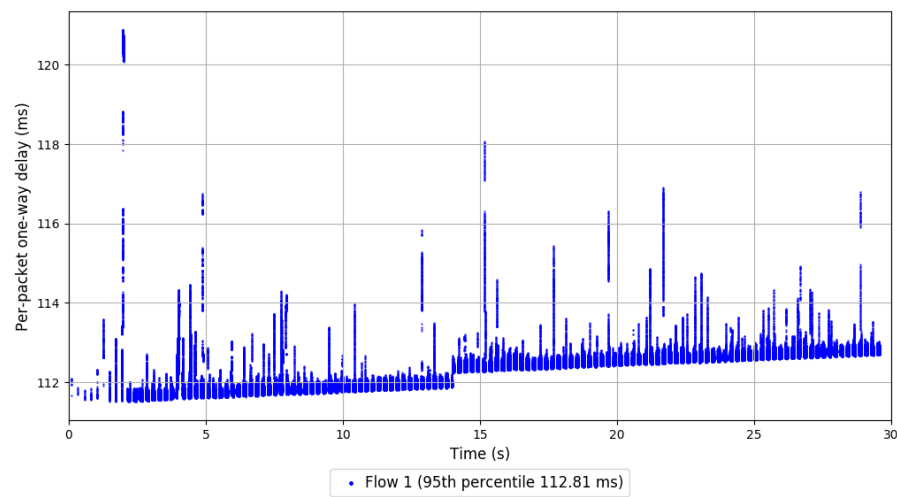
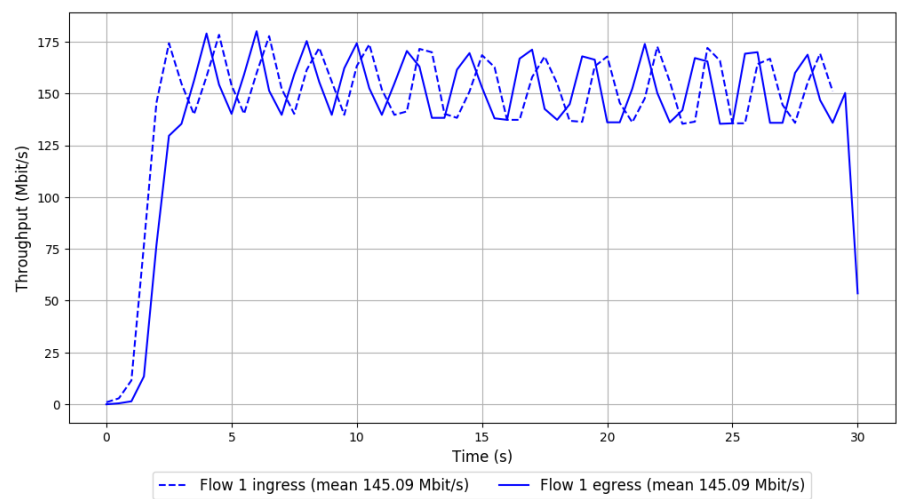


Run 2: Statistics of Indigo

Start at: 2018-05-30 07:54:02
End at: 2018-05-30 07:54:32
Local clock offset: 15.212 ms
Remote clock offset: 18.318 ms

Below is generated by plot.py at 2018-05-30 11:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.09 Mbit/s
95th percentile per-packet one-way delay: 112.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.09 Mbit/s
95th percentile per-packet one-way delay: 112.808 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

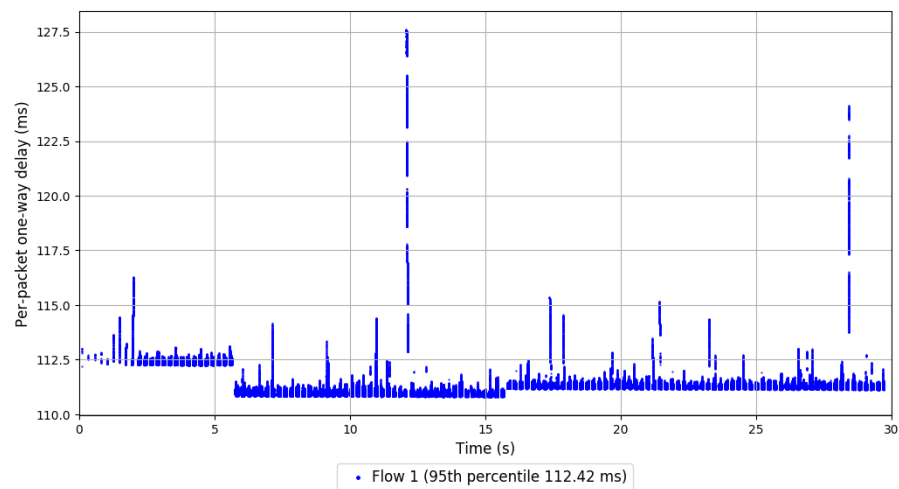
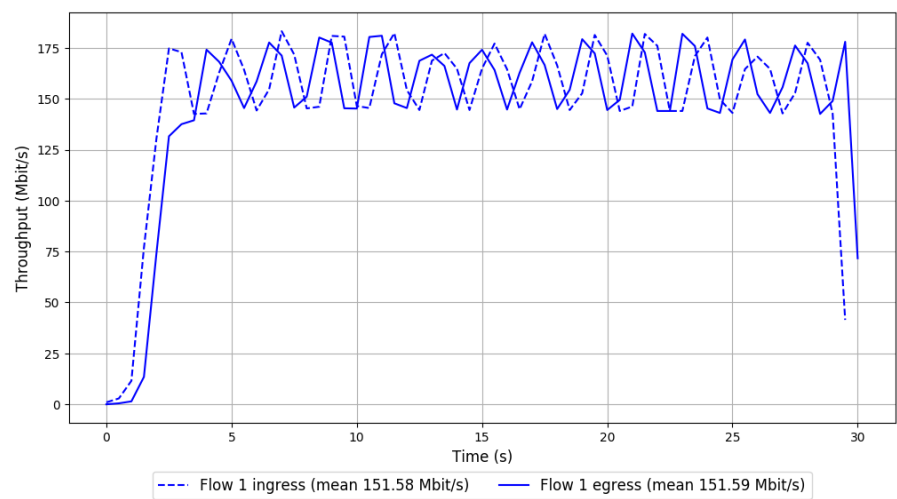


Run 3: Statistics of Indigo

Start at: 2018-05-30 08:14:51
End at: 2018-05-30 08:15:21
Local clock offset: 6.194 ms
Remote clock offset: 11.333 ms

Below is generated by plot.py at 2018-05-30 11:52:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.59 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.59 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-30 08:35:55

End at: 2018-05-30 08:36:25

Local clock offset: 5.058 ms

Remote clock offset: 4.092 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.98 Mbit/s

95th percentile per-packet one-way delay: 112.423 ms

Loss rate: 0.00%

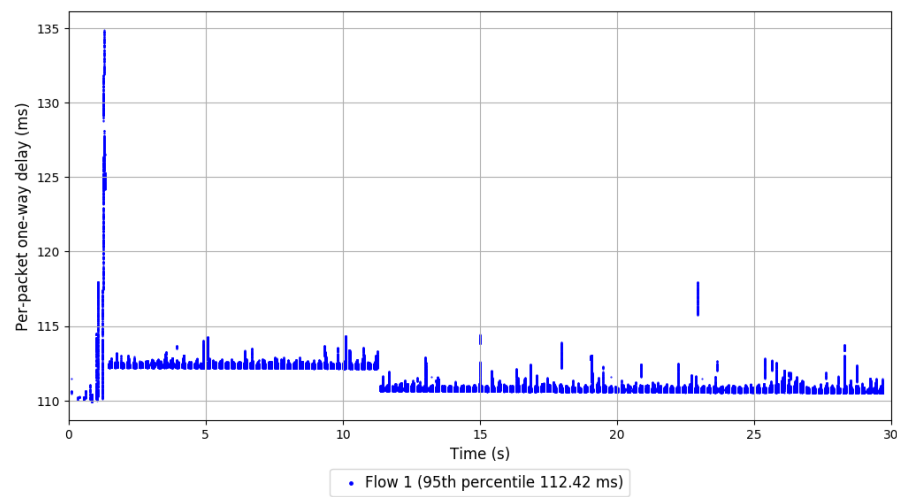
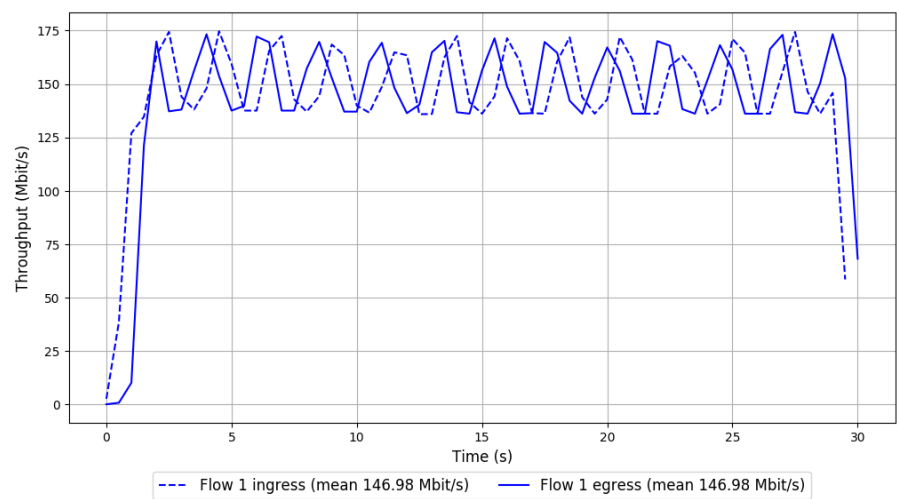
-- Flow 1:

Average throughput: 146.98 Mbit/s

95th percentile per-packet one-way delay: 112.423 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-30 08:56:25

End at: 2018-05-30 08:56:55

Local clock offset: 1.839 ms

Remote clock offset: 3.648 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.05 Mbit/s

95th percentile per-packet one-way delay: 112.130 ms

Loss rate: 0.00%

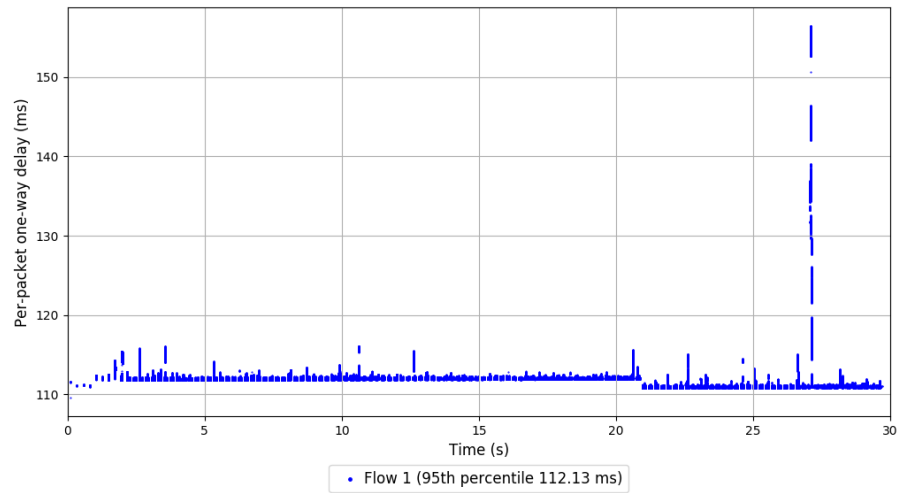
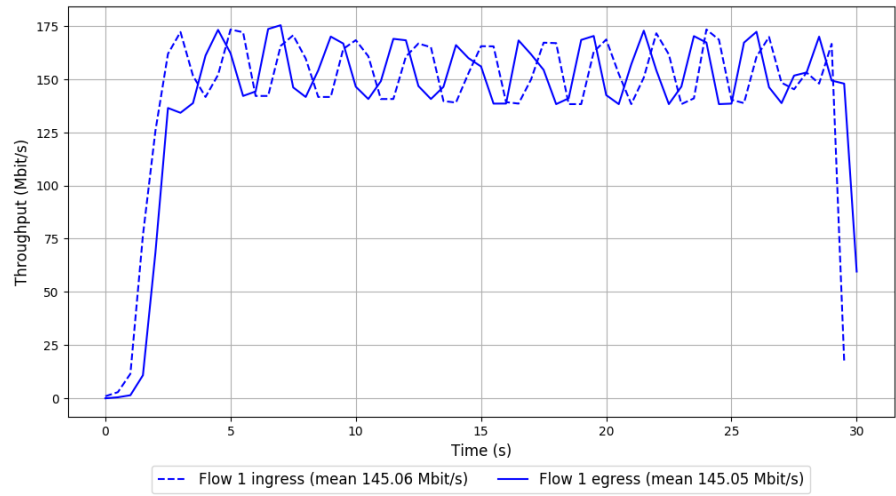
-- Flow 1:

Average throughput: 145.05 Mbit/s

95th percentile per-packet one-way delay: 112.130 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-30 09:17:27

End at: 2018-05-30 09:17:57

Local clock offset: 0.617 ms

Remote clock offset: 1.989 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.30 Mbit/s

95th percentile per-packet one-way delay: 112.213 ms

Loss rate: 0.00%

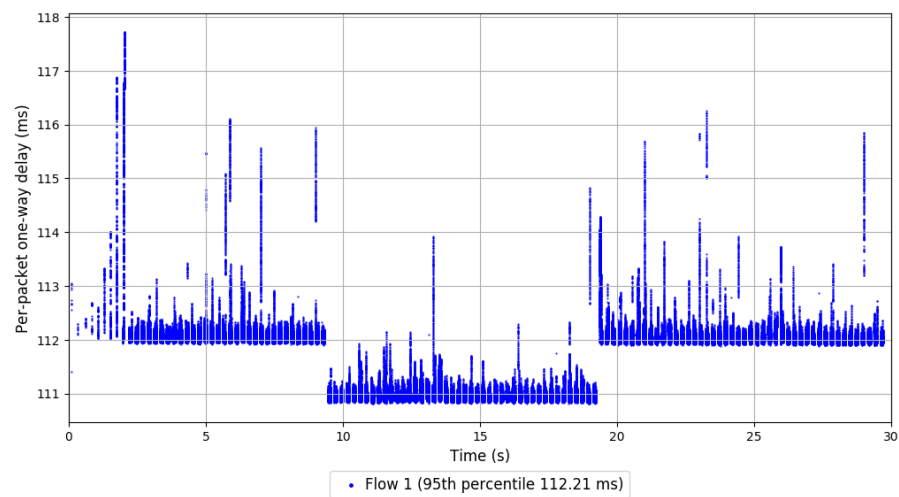
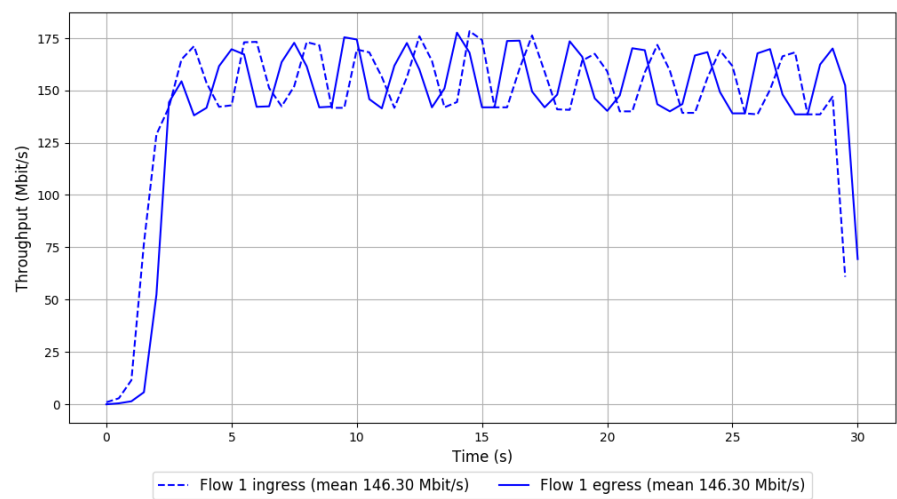
-- Flow 1:

Average throughput: 146.30 Mbit/s

95th percentile per-packet one-way delay: 112.213 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-30 09:37:58

End at: 2018-05-30 09:38:28

Local clock offset: 0.779 ms

Remote clock offset: 1.057 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.57 Mbit/s

95th percentile per-packet one-way delay: 112.305 ms

Loss rate: 0.00%

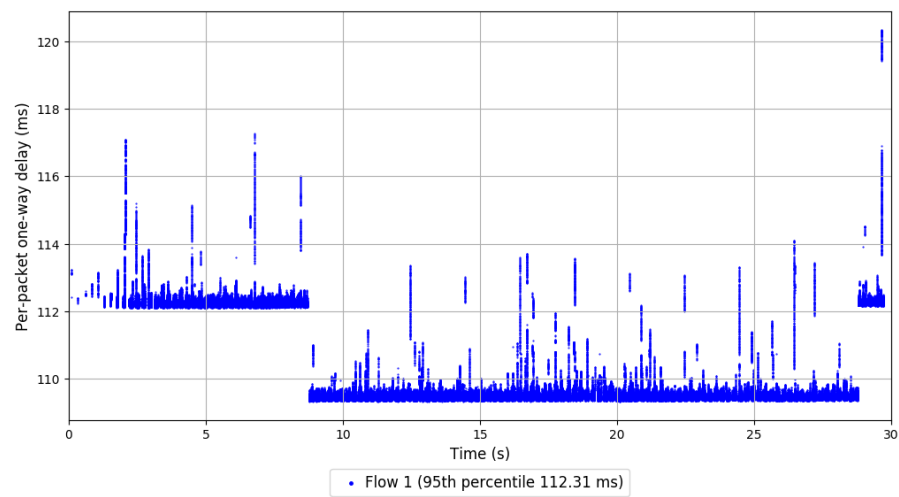
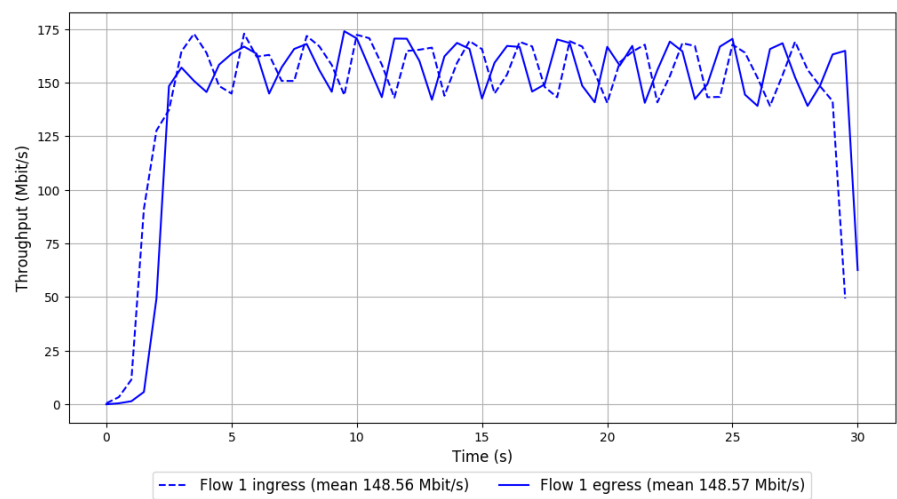
-- Flow 1:

Average throughput: 148.57 Mbit/s

95th percentile per-packet one-way delay: 112.305 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-30 09:58:34

End at: 2018-05-30 09:59:04

Local clock offset: 1.126 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.19 Mbit/s

95th percentile per-packet one-way delay: 110.885 ms

Loss rate: 0.00%

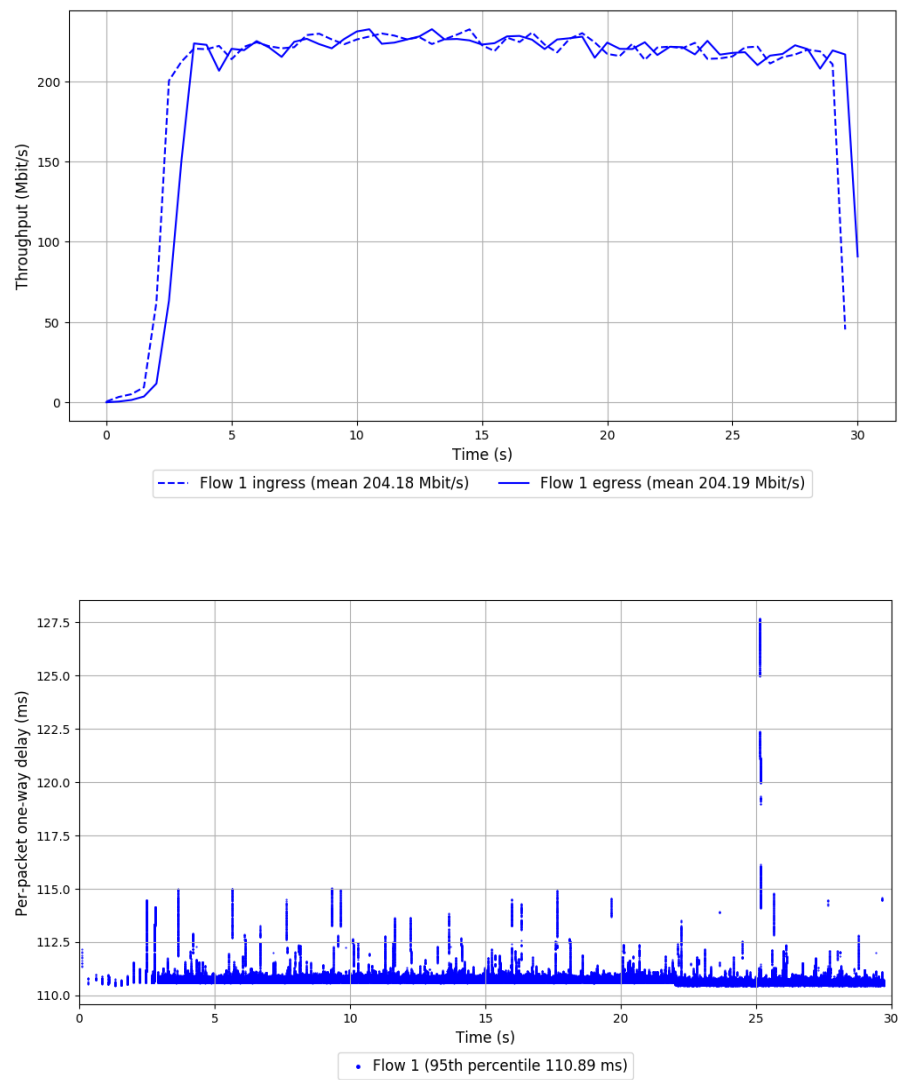
-- Flow 1:

Average throughput: 204.19 Mbit/s

95th percentile per-packet one-way delay: 110.885 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-30 10:19:32

End at: 2018-05-30 10:20:02

Local clock offset: 0.463 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.62 Mbit/s

95th percentile per-packet one-way delay: 111.416 ms

Loss rate: 0.00%

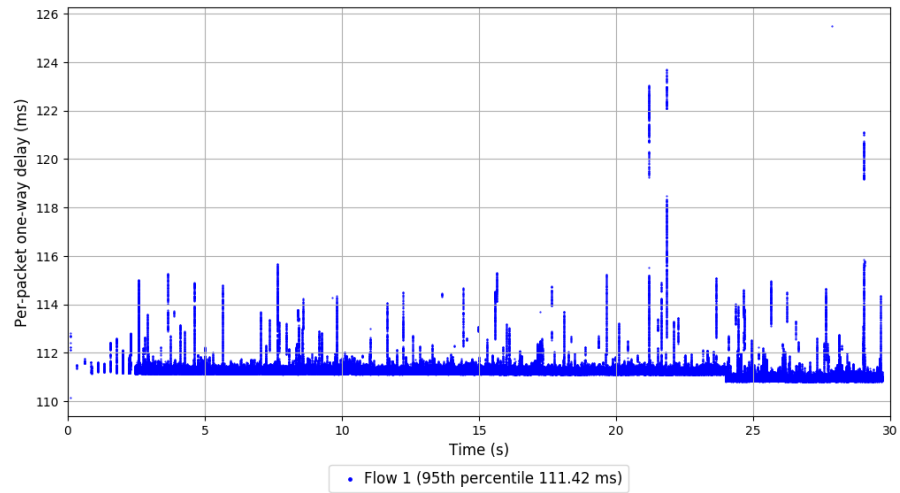
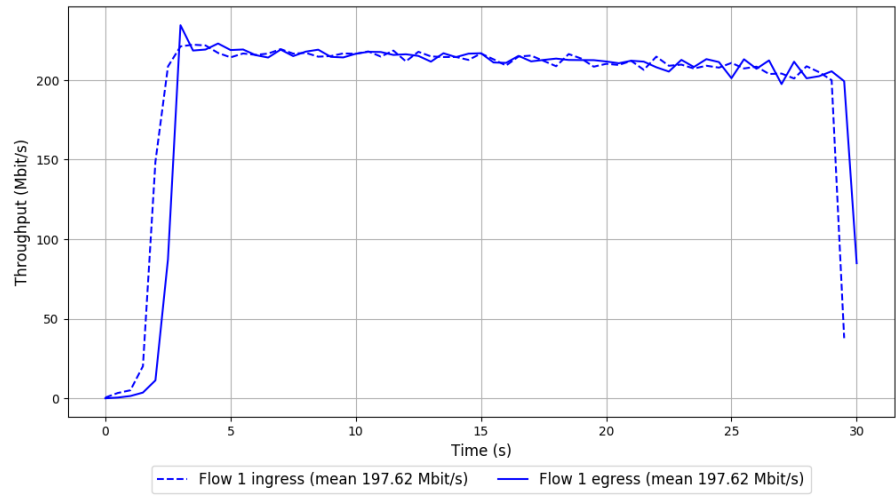
-- Flow 1:

Average throughput: 197.62 Mbit/s

95th percentile per-packet one-way delay: 111.416 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-30 10:40:04

End at: 2018-05-30 10:40:34

Local clock offset: -0.252 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.17 Mbit/s

95th percentile per-packet one-way delay: 112.575 ms

Loss rate: 0.00%

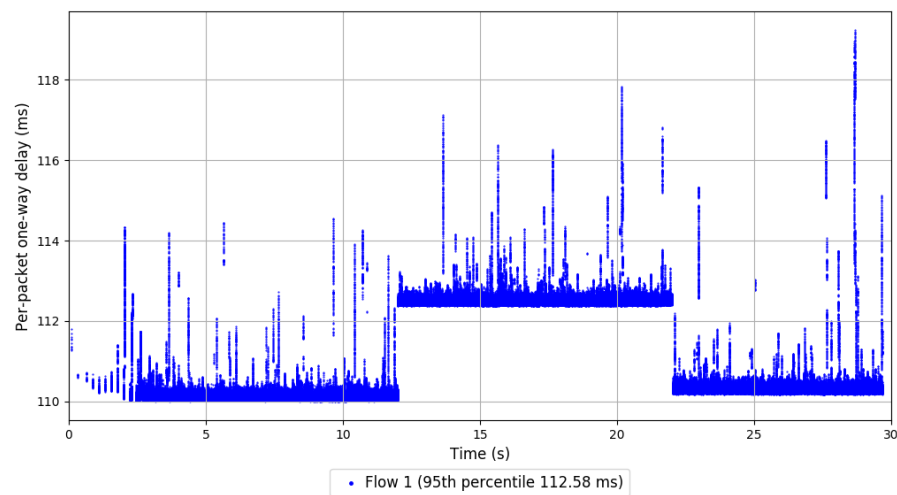
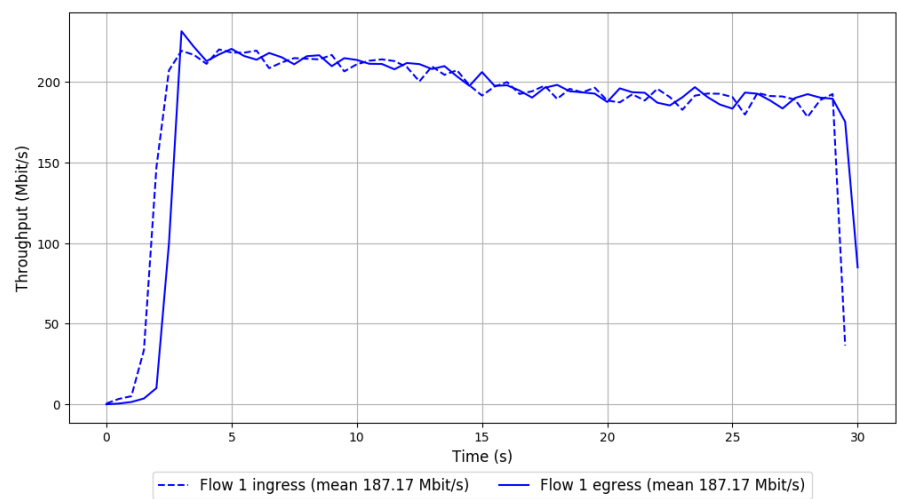
-- Flow 1:

Average throughput: 187.17 Mbit/s

95th percentile per-packet one-way delay: 112.575 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

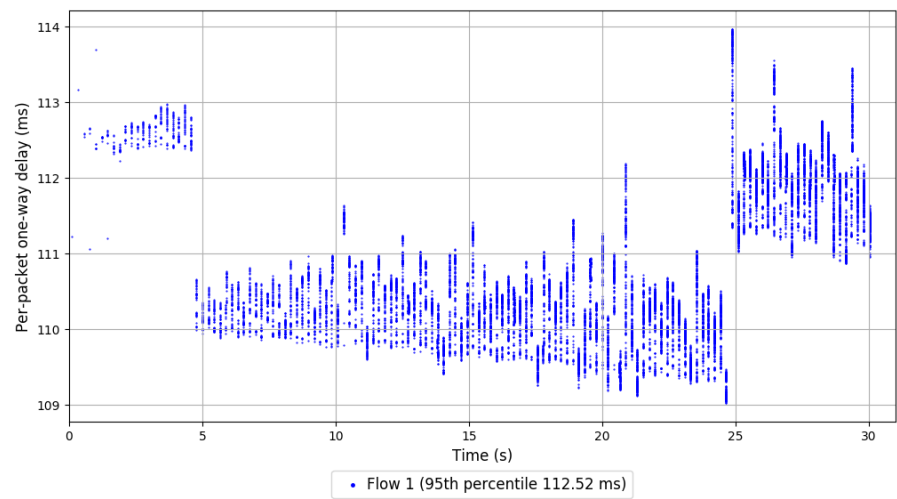
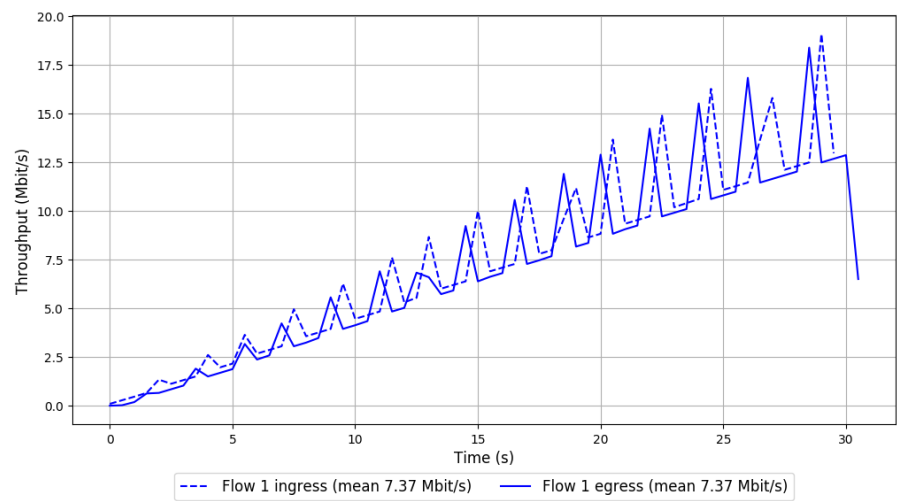


Run 1: Statistics of LEDBAT

Start at: 2018-05-30 07:31:12
End at: 2018-05-30 07:31:42
Local clock offset: 17.185 ms
Remote clock offset: 31.835 ms

Below is generated by plot.py at 2018-05-30 11:52:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 112.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 112.521 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

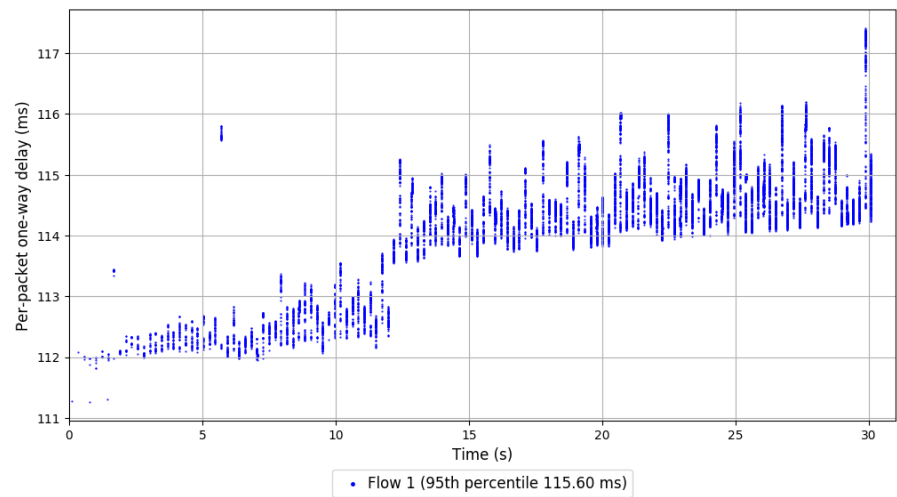
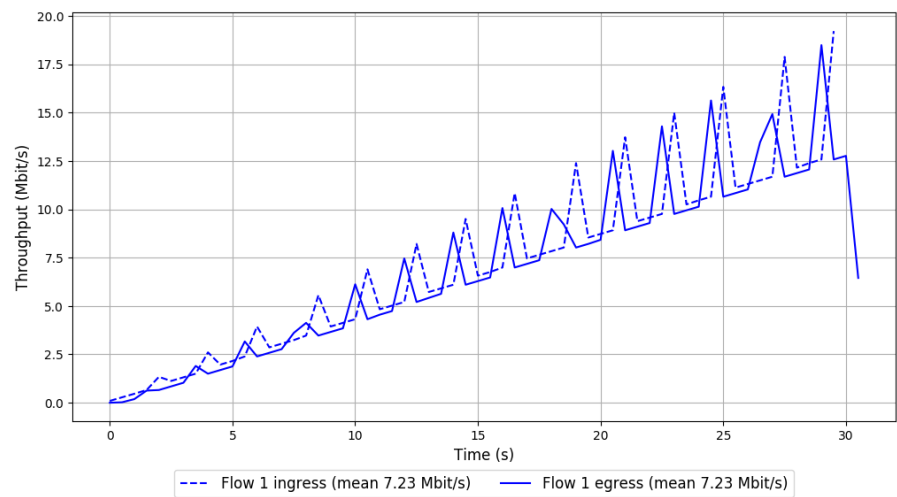


Run 2: Statistics of LEDBAT

Start at: 2018-05-30 07:51:45
End at: 2018-05-30 07:52:15
Local clock offset: 14.591 ms
Remote clock offset: 22.655 ms

Below is generated by plot.py at 2018-05-30 11:52:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 115.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 115.596 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

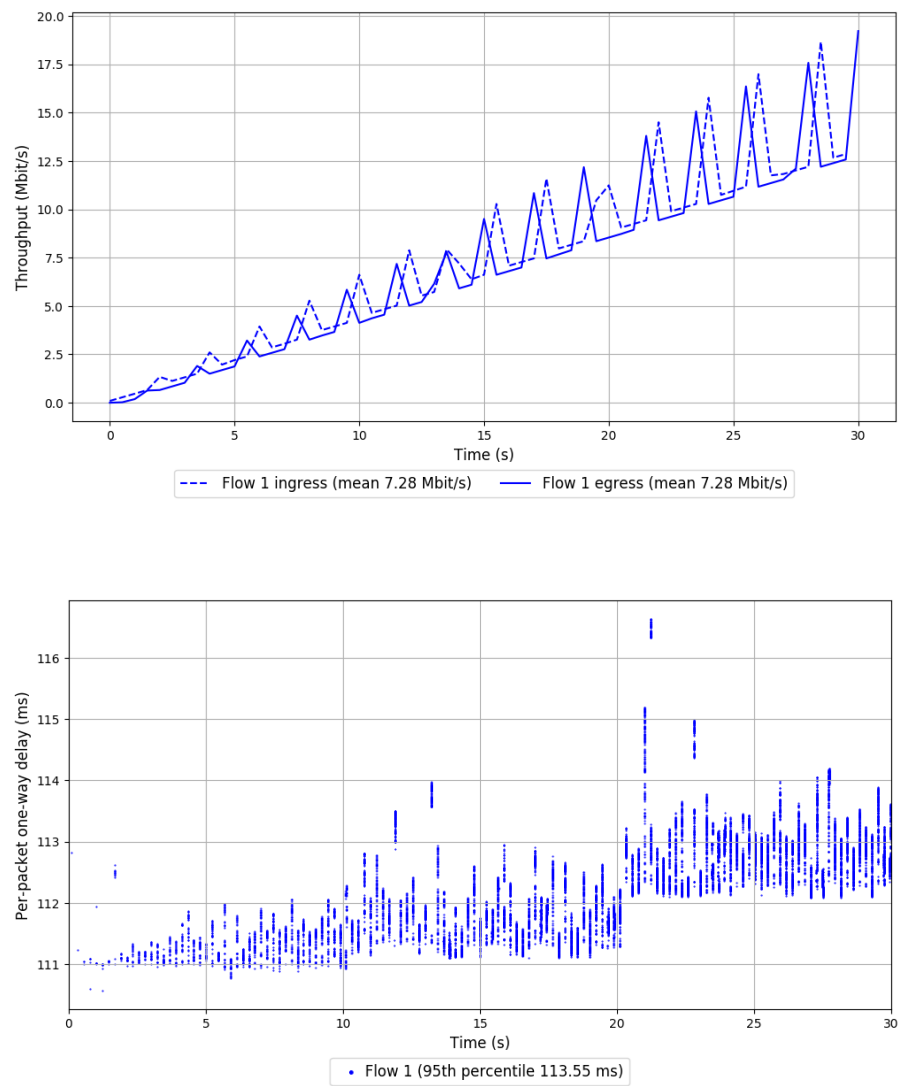


Run 3: Statistics of LEDBAT

Start at: 2018-05-30 08:12:16
End at: 2018-05-30 08:12:46
Local clock offset: 6.423 ms
Remote clock offset: 10.949 ms

Below is generated by plot.py at 2018-05-30 11:52:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 113.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 113.553 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-30 08:33:19

End at: 2018-05-30 08:33:49

Local clock offset: 6.549 ms

Remote clock offset: 4.253 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 113.755 ms

Loss rate: 0.00%

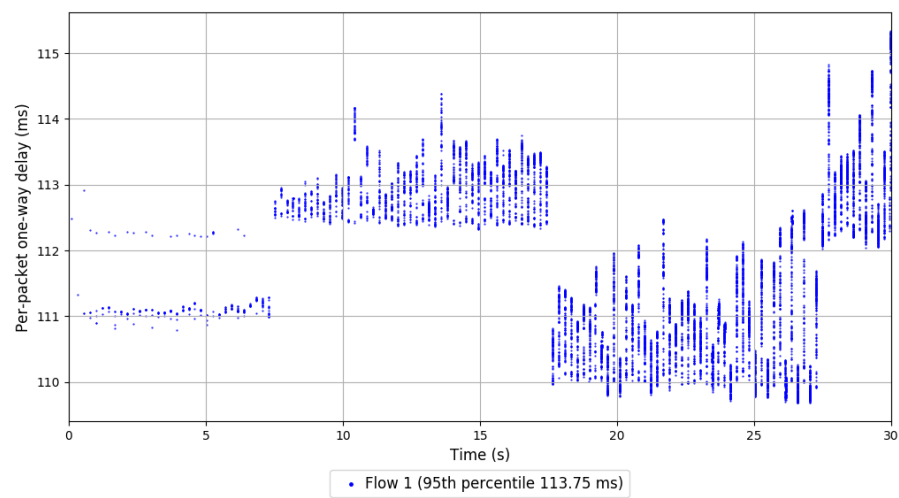
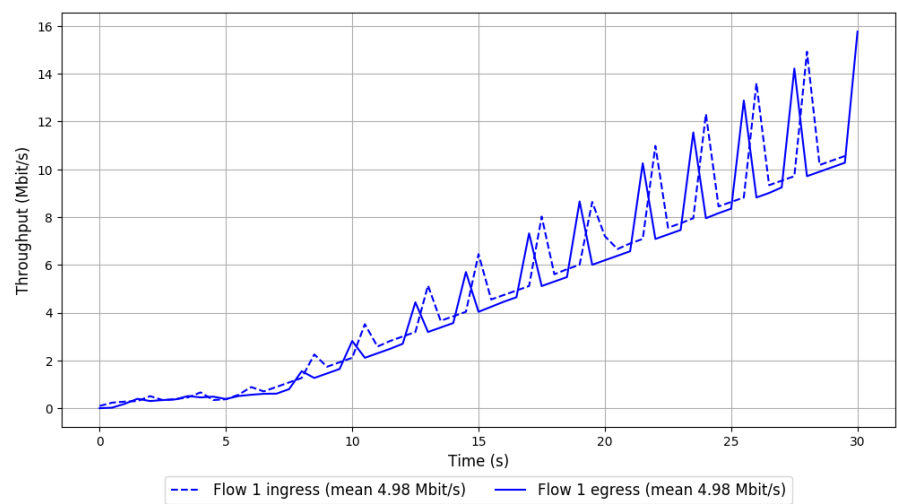
-- Flow 1:

Average throughput: 4.98 Mbit/s

95th percentile per-packet one-way delay: 113.755 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-30 08:54:07

End at: 2018-05-30 08:54:37

Local clock offset: 1.562 ms

Remote clock offset: 4.512 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 114.518 ms

Loss rate: 0.00%

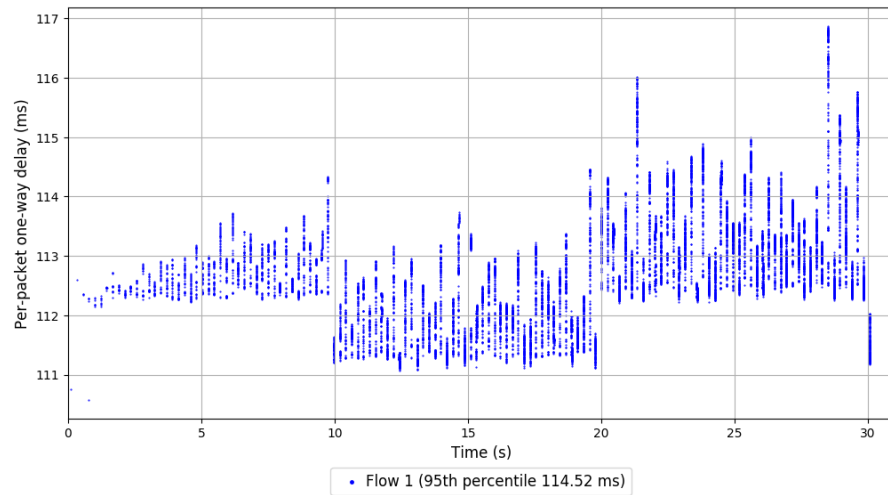
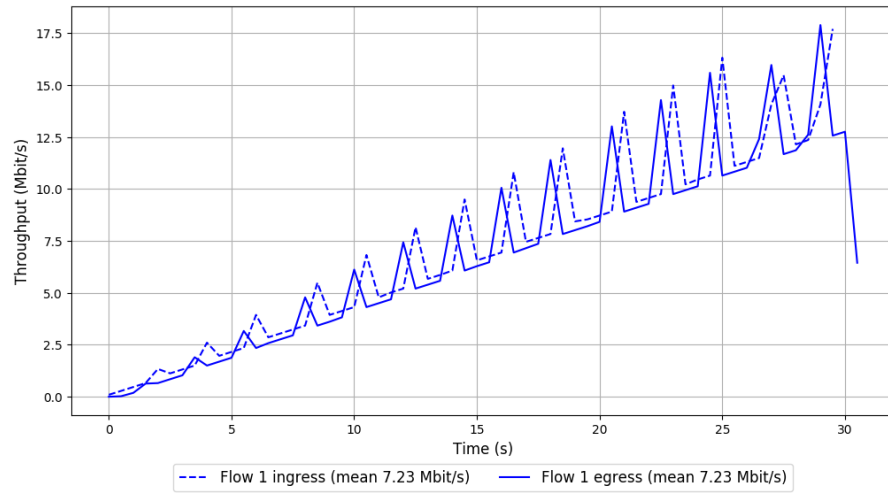
-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 114.518 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-30 09:15:01

End at: 2018-05-30 09:15:31

Local clock offset: 0.481 ms

Remote clock offset: 1.973 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 113.576 ms

Loss rate: 0.00%

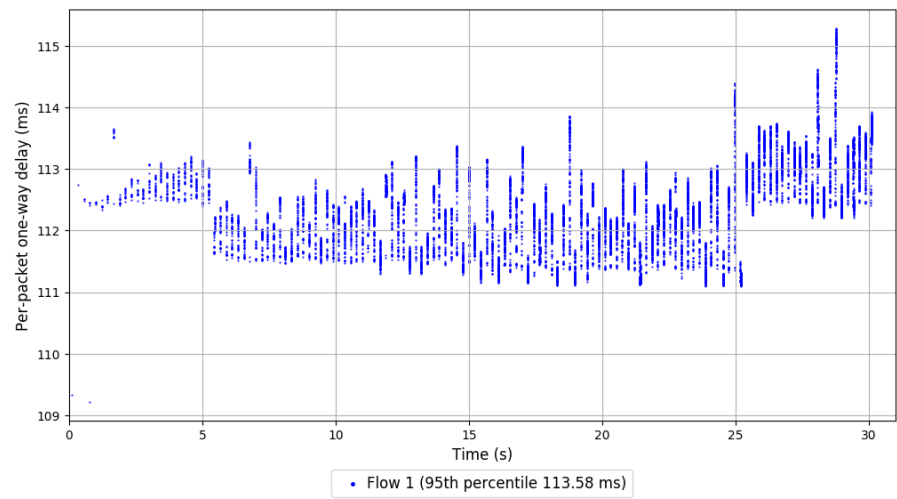
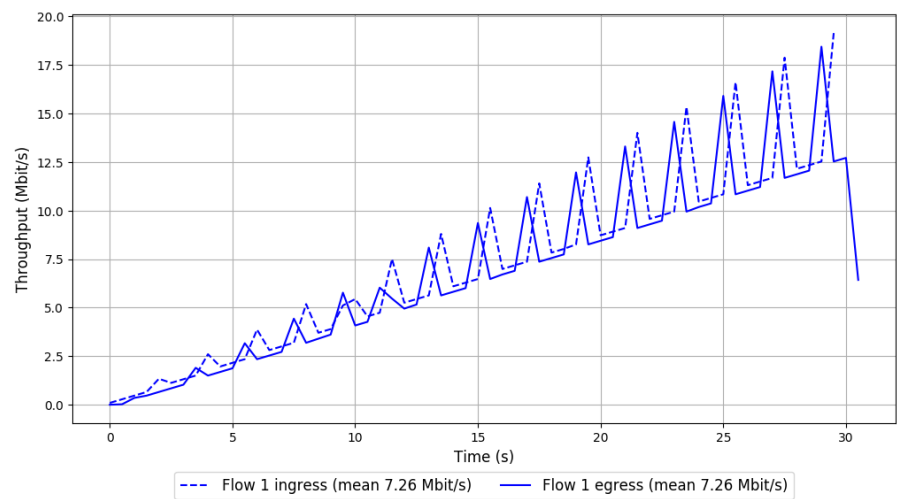
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 113.576 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-30 09:35:40

End at: 2018-05-30 09:36:10

Local clock offset: 0.309 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 113.292 ms

Loss rate: 0.00%

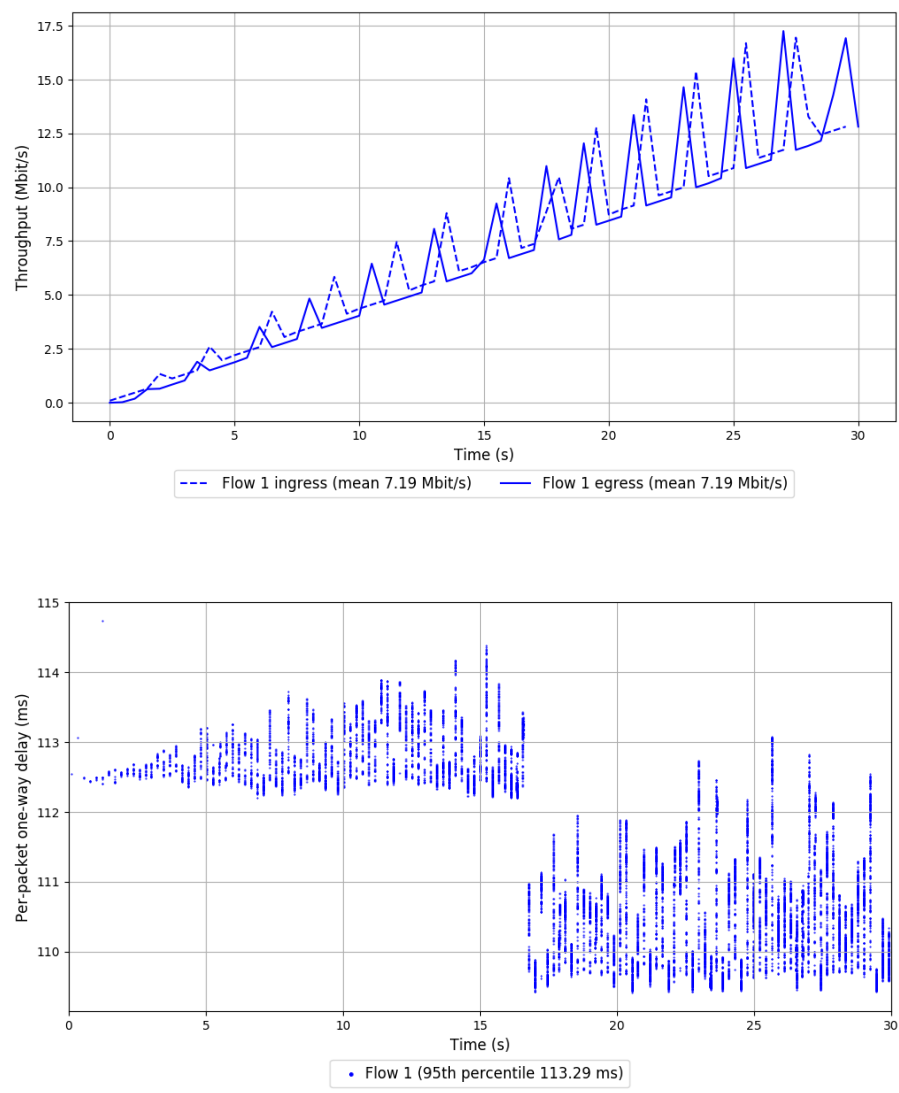
-- Flow 1:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 113.292 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-30 09:55:57

End at: 2018-05-30 09:56:27

Local clock offset: 0.999 ms

Remote clock offset: 1.129 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 112.571 ms

Loss rate: 0.00%

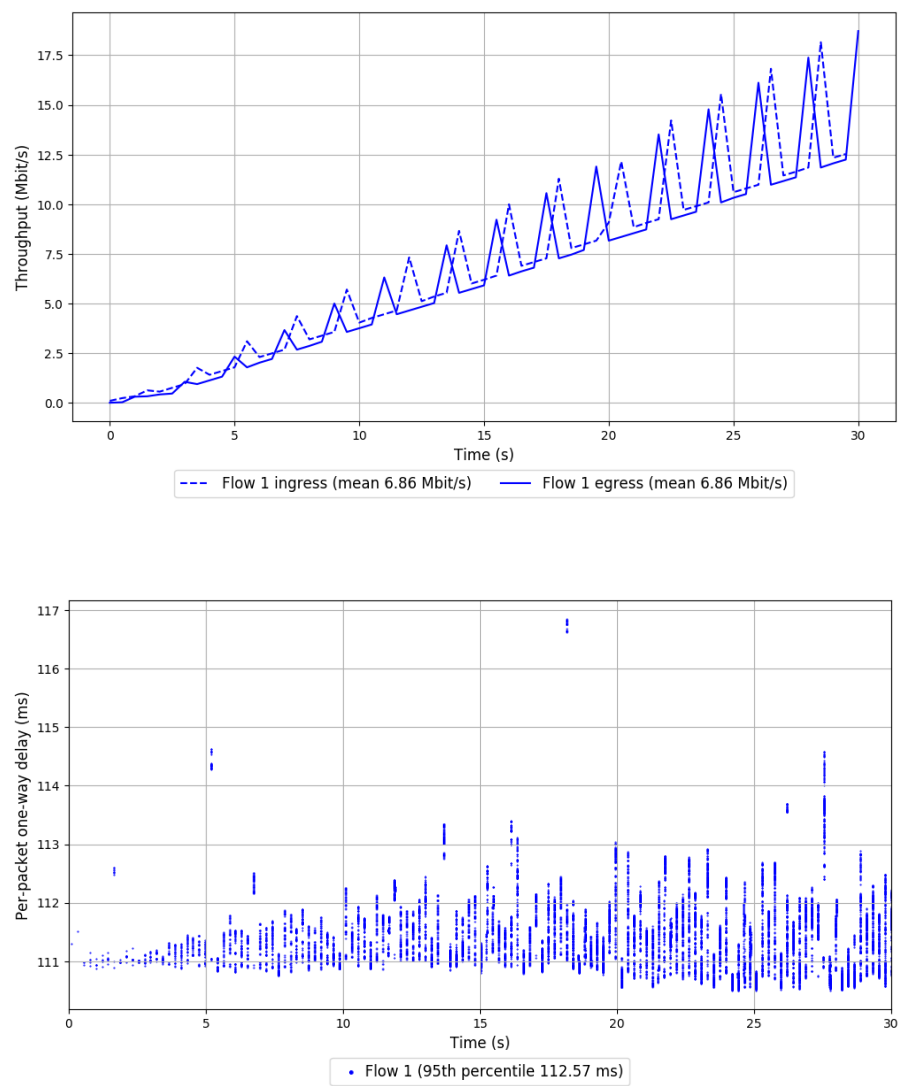
-- Flow 1:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 112.571 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-30 10:16:59

End at: 2018-05-30 10:17:29

Local clock offset: 0.949 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 112.385 ms

Loss rate: 0.00%

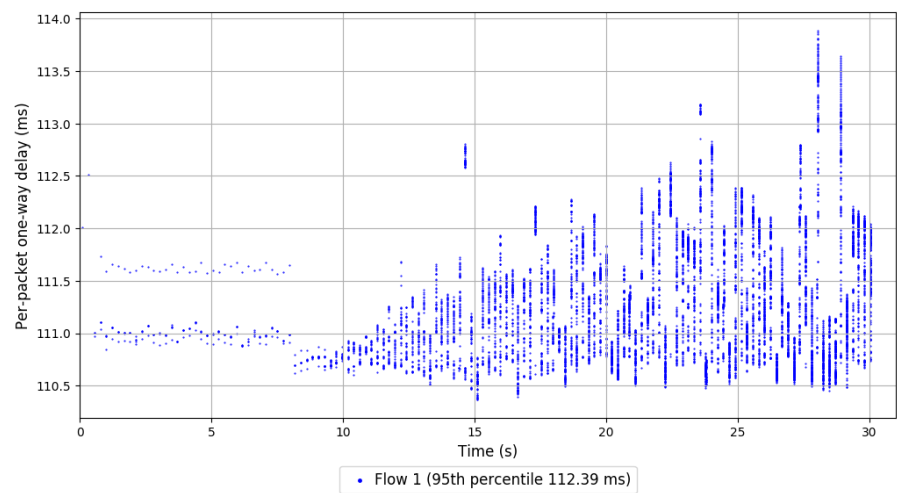
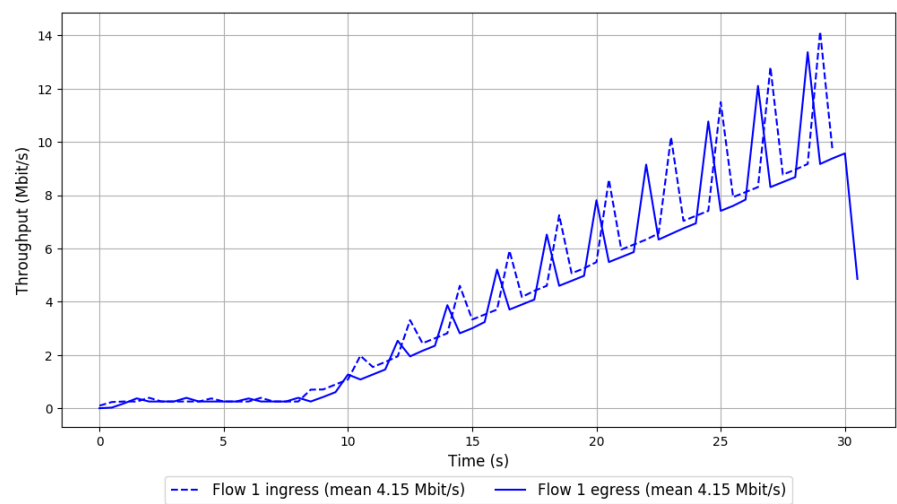
-- Flow 1:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 112.385 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-30 10:37:35

End at: 2018-05-30 10:38:05

Local clock offset: -0.127 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 114.811 ms

Loss rate: 0.00%

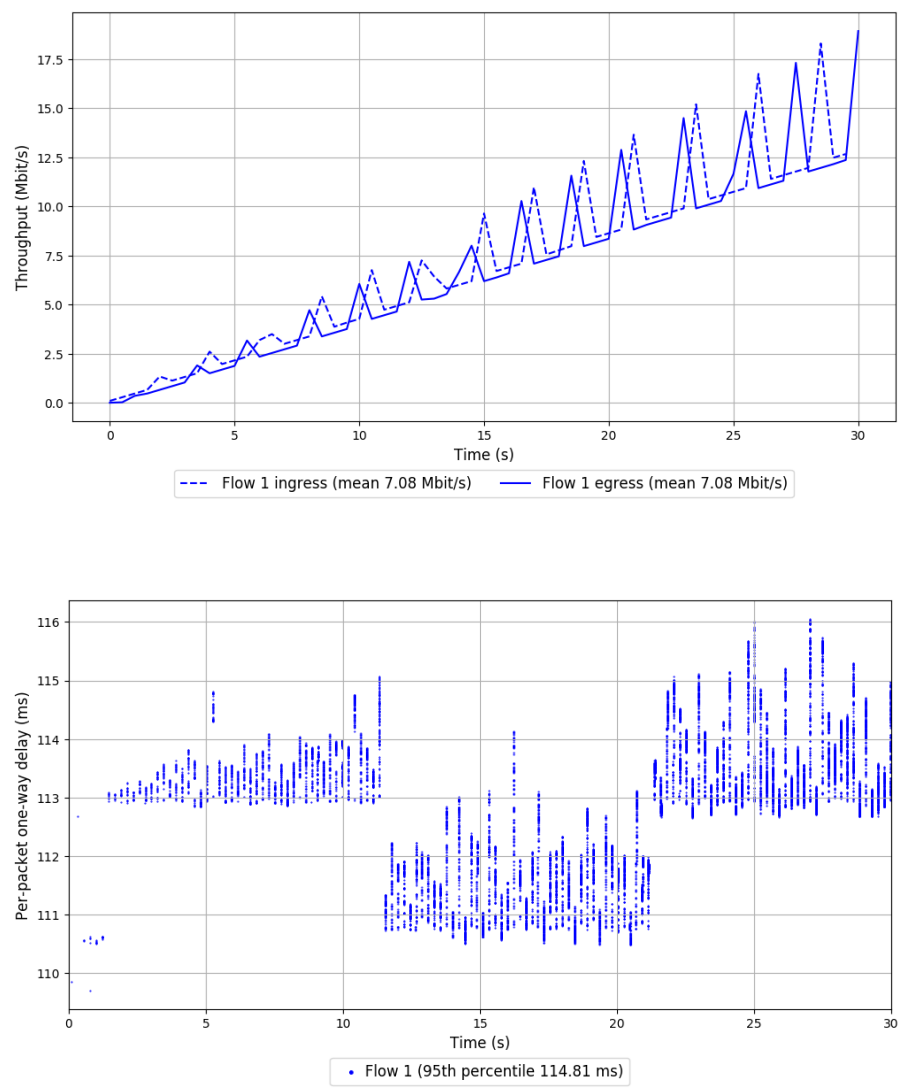
-- Flow 1:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 114.811 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-30 07:25:39

End at: 2018-05-30 07:26:09

Local clock offset: 26.323 ms

Remote clock offset: 26.36 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.19 Mbit/s

95th percentile per-packet one-way delay: 188.459 ms

Loss rate: 1.12%

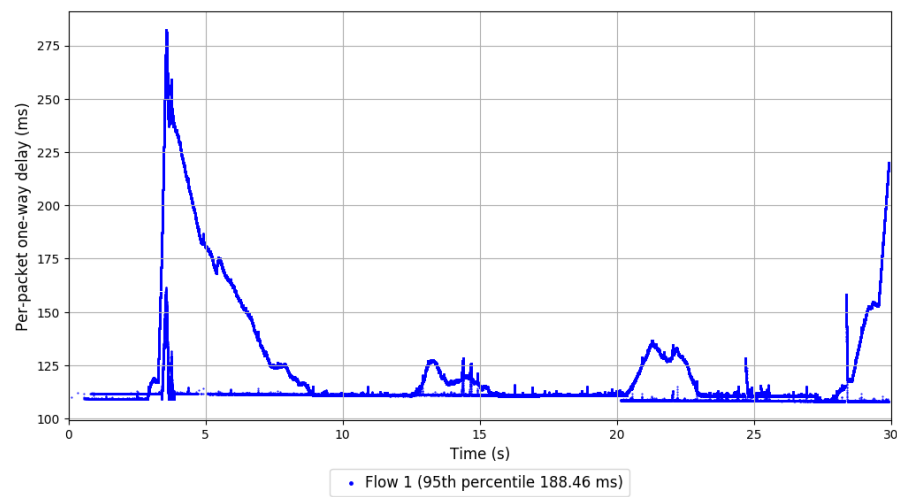
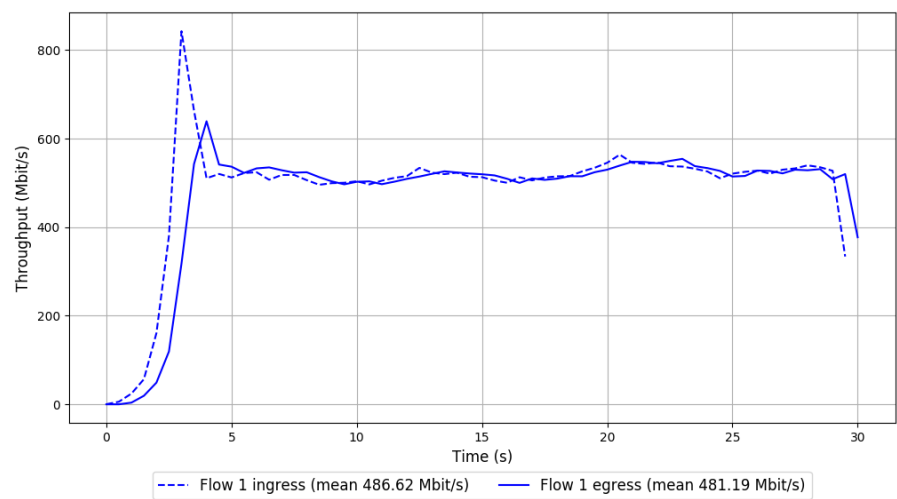
-- Flow 1:

Average throughput: 481.19 Mbit/s

95th percentile per-packet one-way delay: 188.459 ms

Loss rate: 1.12%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-30 07:46:22

End at: 2018-05-30 07:46:52

Local clock offset: 13.095 ms

Remote clock offset: 38.652 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.29 Mbit/s

95th percentile per-packet one-way delay: 184.045 ms

Loss rate: 0.73%

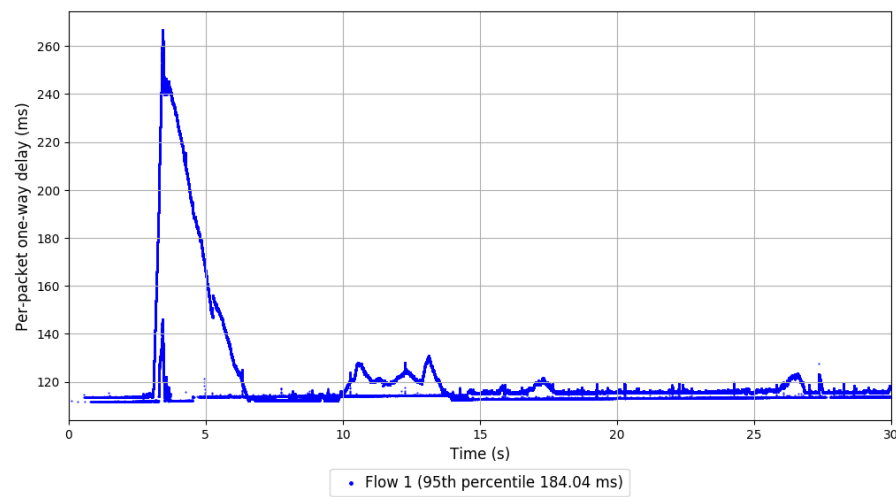
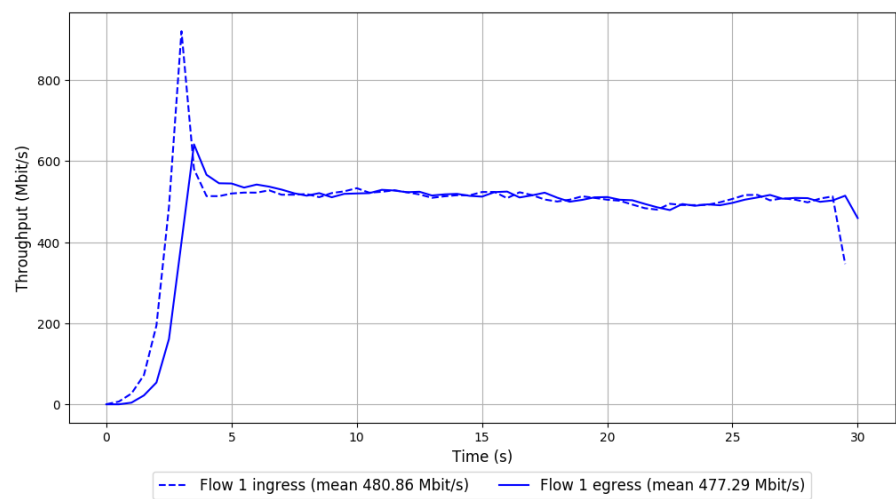
-- Flow 1:

Average throughput: 477.29 Mbit/s

95th percentile per-packet one-way delay: 184.045 ms

Loss rate: 0.73%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-30 08:06:44

End at: 2018-05-30 08:07:14

Local clock offset: 7.86 ms

Remote clock offset: 10.798 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.54 Mbit/s

95th percentile per-packet one-way delay: 201.369 ms

Loss rate: 1.06%

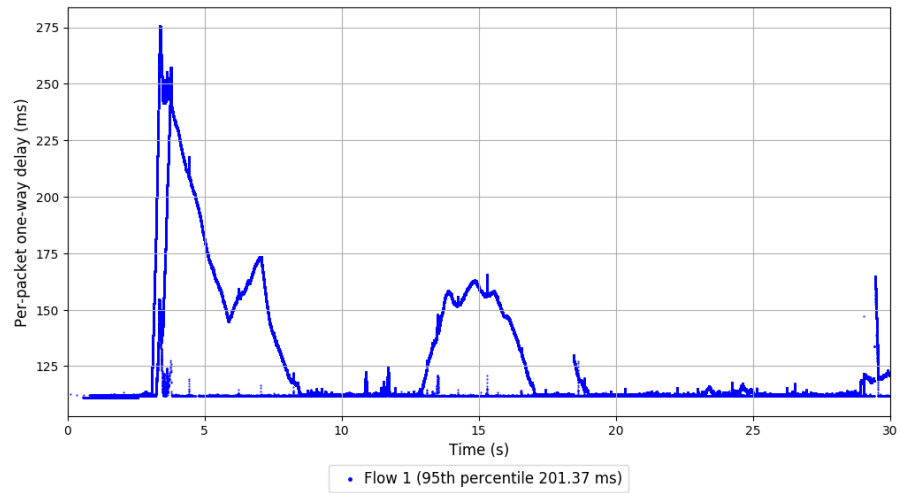
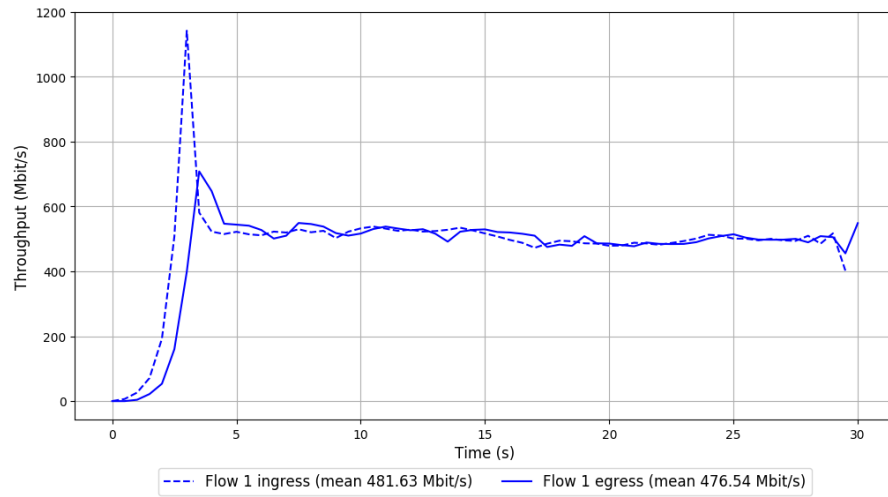
-- Flow 1:

Average throughput: 476.54 Mbit/s

95th percentile per-packet one-way delay: 201.369 ms

Loss rate: 1.06%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-30 08:27:50

End at: 2018-05-30 08:28:20

Local clock offset: 7.523 ms

Remote clock offset: 5.772 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.57 Mbit/s

95th percentile per-packet one-way delay: 239.712 ms

Loss rate: 2.65%

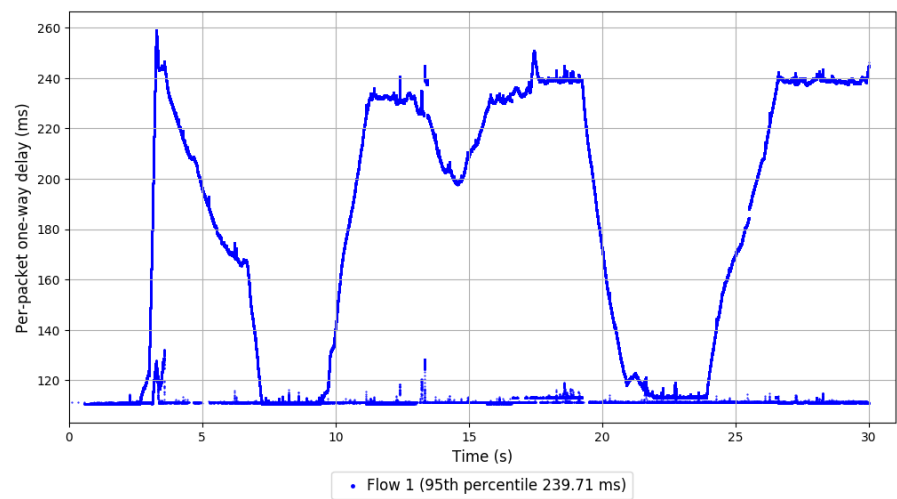
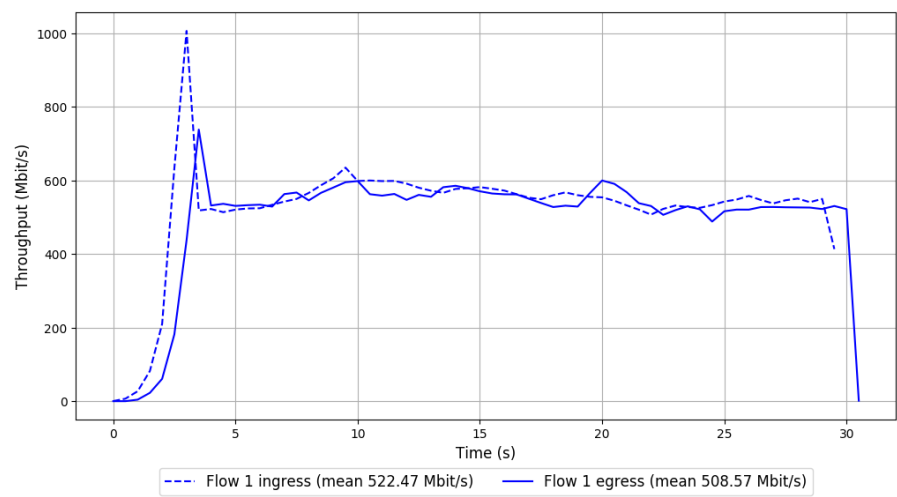
-- Flow 1:

Average throughput: 508.57 Mbit/s

95th percentile per-packet one-way delay: 239.712 ms

Loss rate: 2.65%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-30 08:48:36

End at: 2018-05-30 08:49:06

Local clock offset: 1.795 ms

Remote clock offset: 4.749 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 483.37 Mbit/s

95th percentile per-packet one-way delay: 159.885 ms

Loss rate: 0.92%

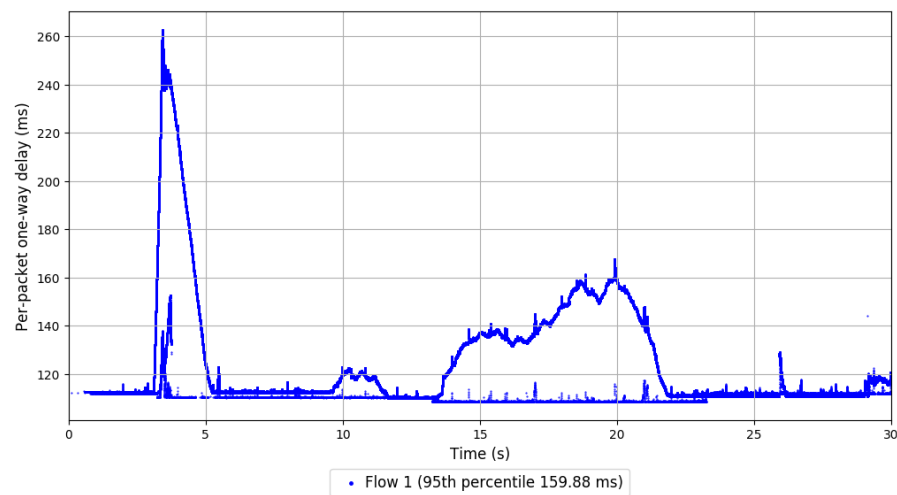
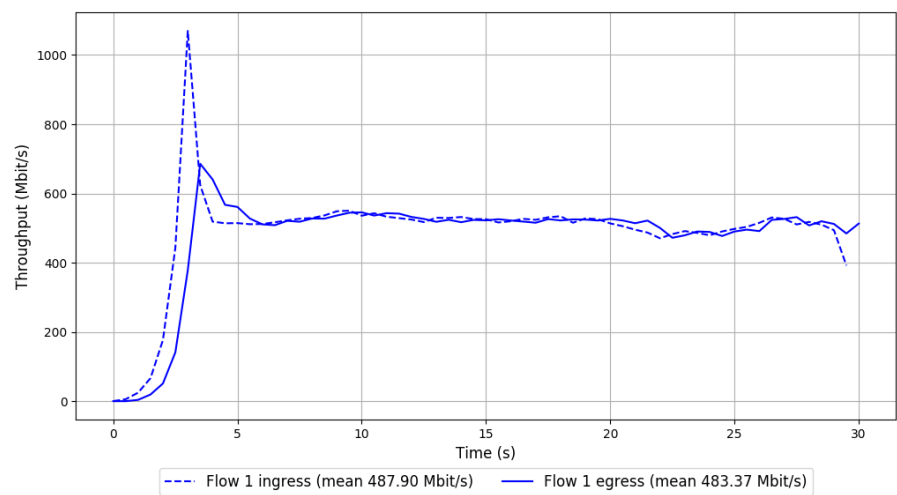
-- Flow 1:

Average throughput: 483.37 Mbit/s

95th percentile per-packet one-way delay: 159.885 ms

Loss rate: 0.92%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-30 09:09:23

End at: 2018-05-30 09:09:53

Local clock offset: 1.163 ms

Remote clock offset: 1.876 ms

Below is generated by plot.py at 2018-05-30 11:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.99 Mbit/s

95th percentile per-packet one-way delay: 204.877 ms

Loss rate: 1.14%

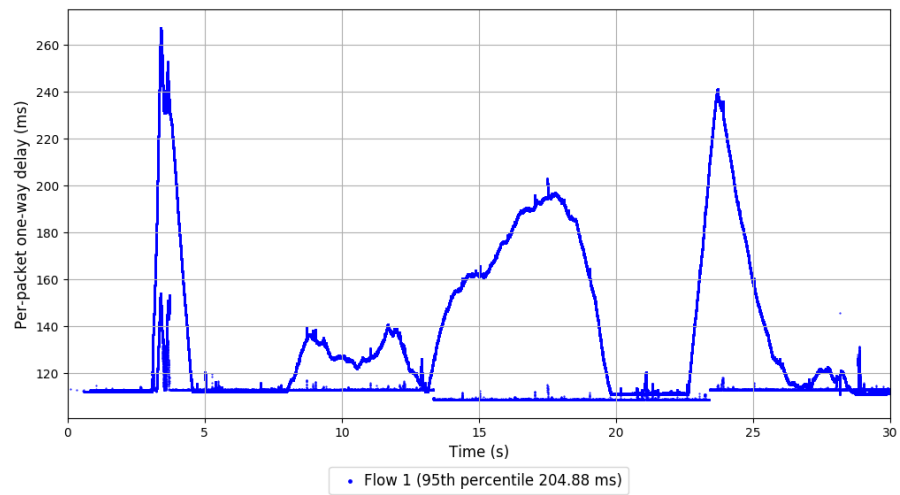
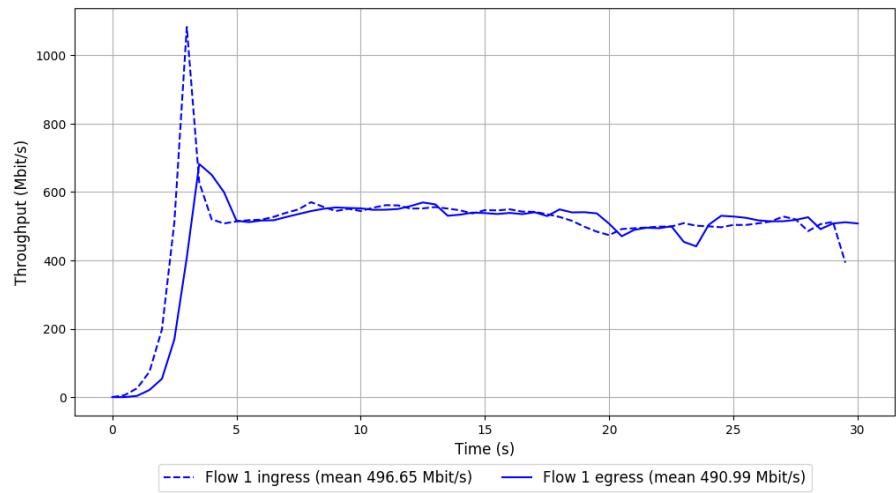
-- Flow 1:

Average throughput: 490.99 Mbit/s

95th percentile per-packet one-way delay: 204.877 ms

Loss rate: 1.14%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-30 09:30:12

End at: 2018-05-30 09:30:42

Local clock offset: 0.488 ms

Remote clock offset: 1.801 ms

Below is generated by plot.py at 2018-05-30 11:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.73 Mbit/s

95th percentile per-packet one-way delay: 215.281 ms

Loss rate: 0.61%

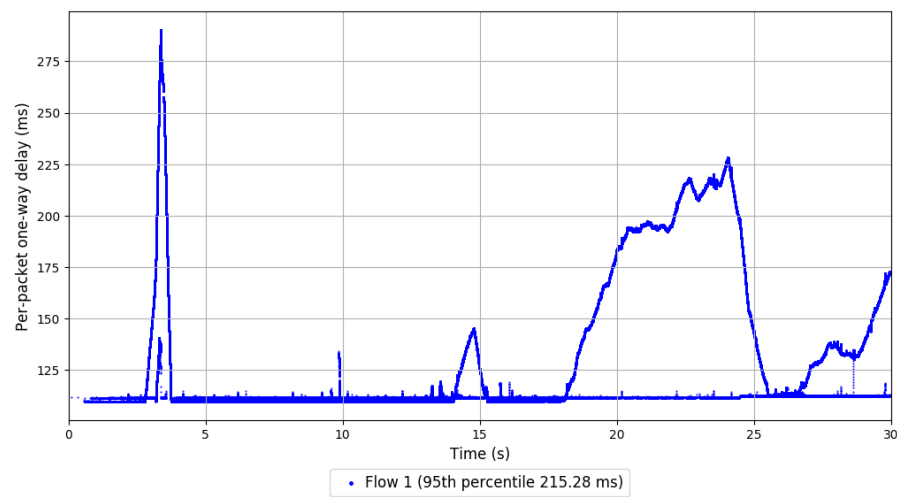
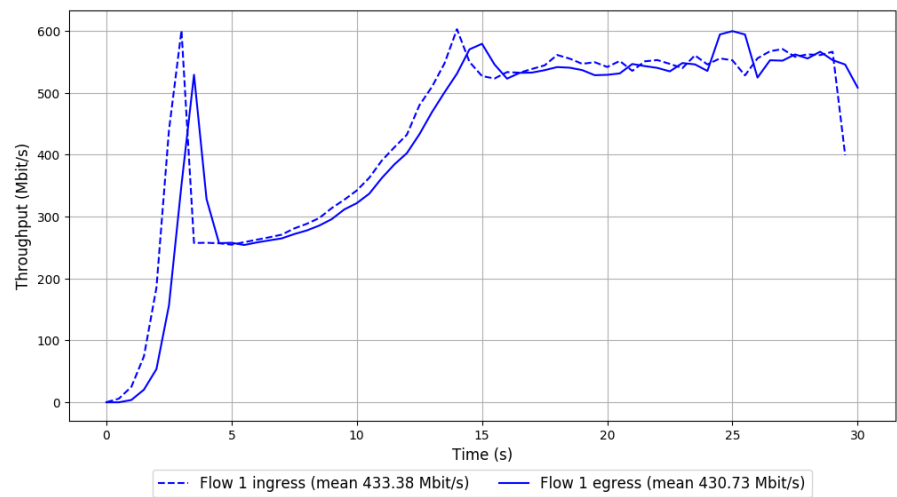
-- Flow 1:

Average throughput: 430.73 Mbit/s

95th percentile per-packet one-way delay: 215.281 ms

Loss rate: 0.61%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-30 09:50:38

End at: 2018-05-30 09:51:08

Local clock offset: 1.038 ms

Remote clock offset: 0.596 ms

Below is generated by plot.py at 2018-05-30 11:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.56 Mbit/s

95th percentile per-packet one-way delay: 125.935 ms

Loss rate: 0.23%

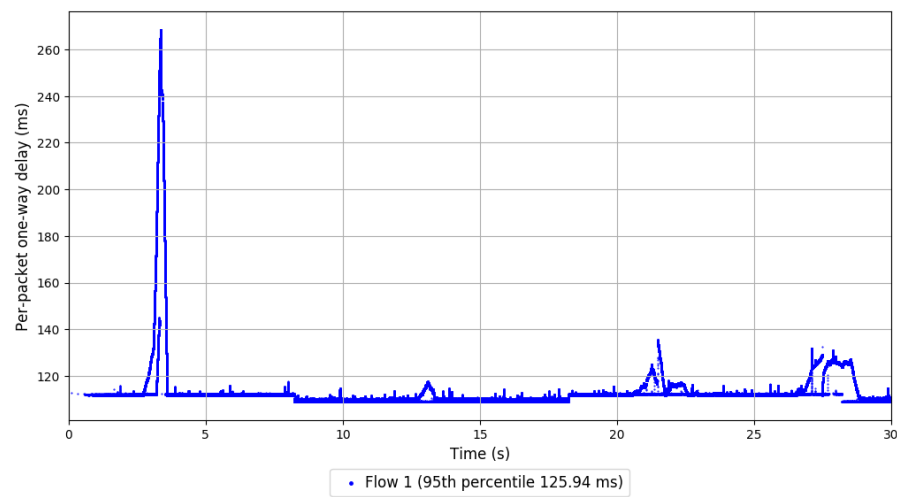
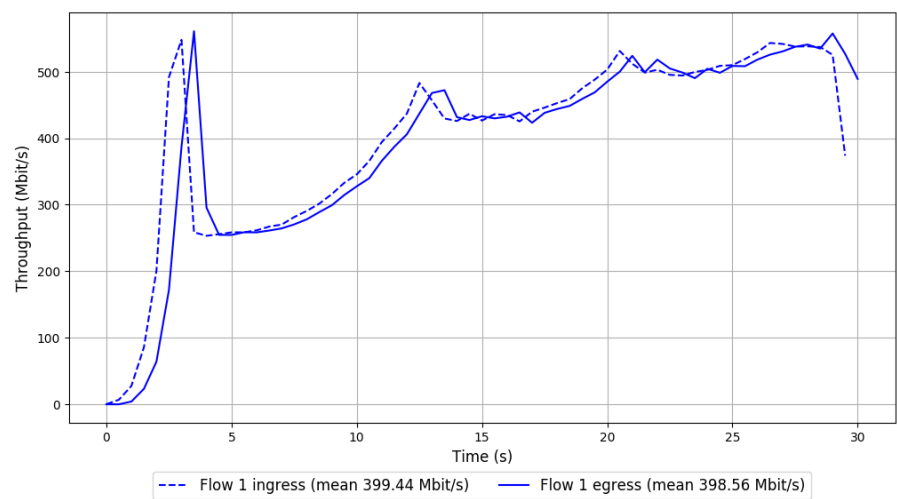
-- Flow 1:

Average throughput: 398.56 Mbit/s

95th percentile per-packet one-way delay: 125.935 ms

Loss rate: 0.23%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-30 10:11:27

End at: 2018-05-30 10:11:57

Local clock offset: 1.285 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2018-05-30 11:59:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.54 Mbit/s

95th percentile per-packet one-way delay: 132.628 ms

Loss rate: 0.00%

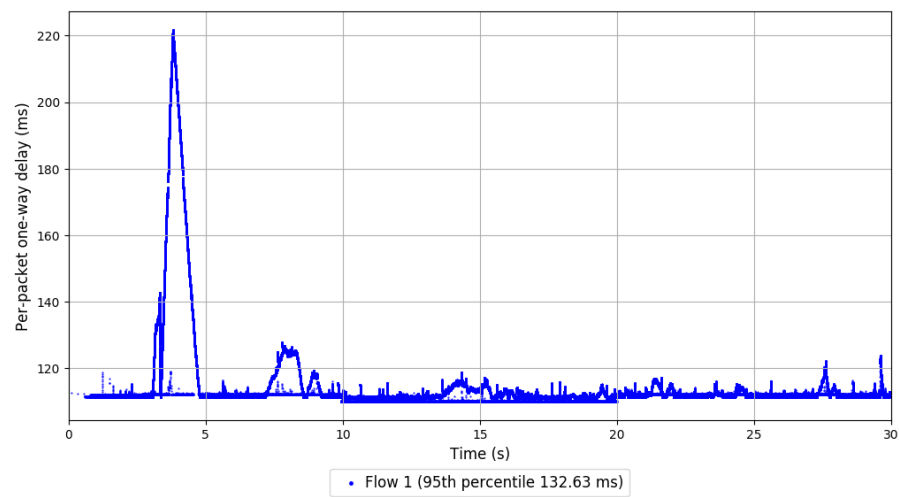
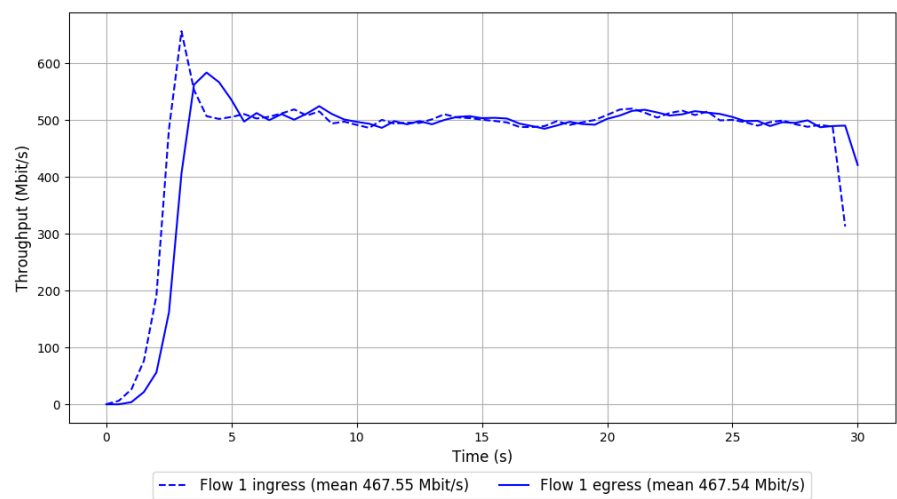
-- Flow 1:

Average throughput: 467.54 Mbit/s

95th percentile per-packet one-way delay: 132.628 ms

Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-30 10:32:11

End at: 2018-05-30 10:32:41

Local clock offset: -0.212 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-05-30 12:01:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.76 Mbit/s

95th percentile per-packet one-way delay: 217.047 ms

Loss rate: 0.53%

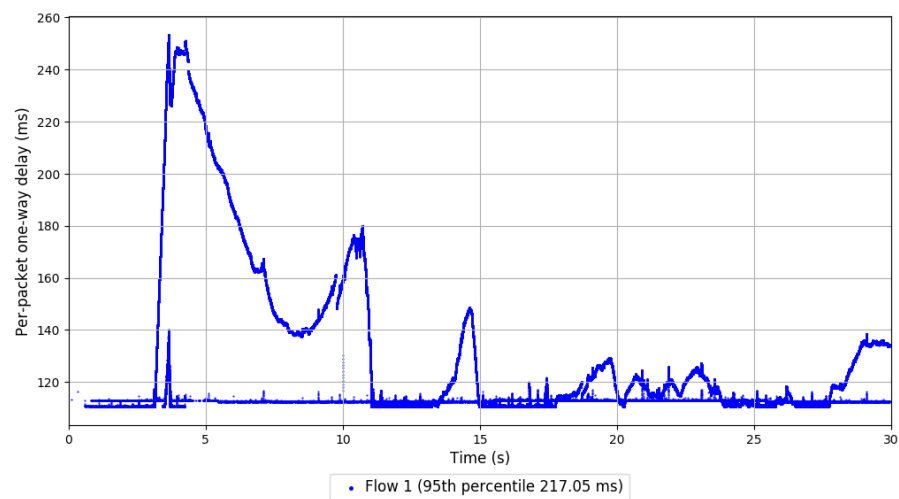
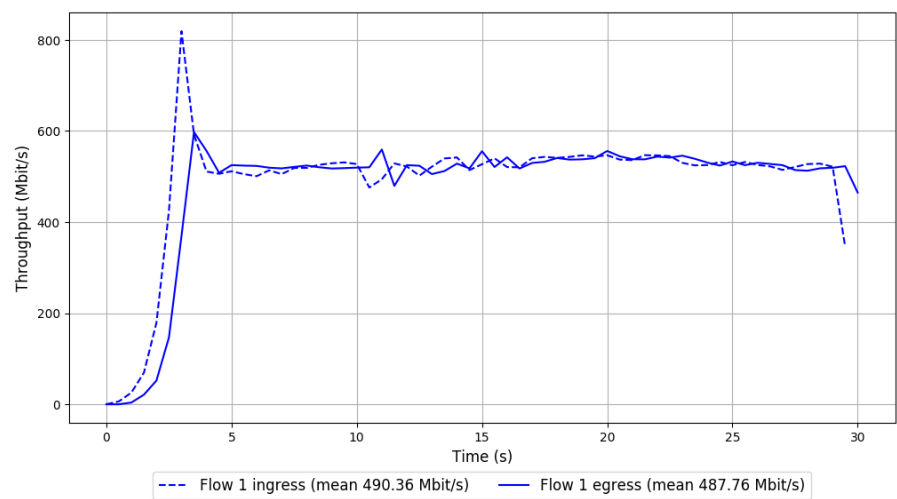
-- Flow 1:

Average throughput: 487.76 Mbit/s

95th percentile per-packet one-way delay: 217.047 ms

Loss rate: 0.53%

Run 10: Report of PCC-Allegro — Data Link

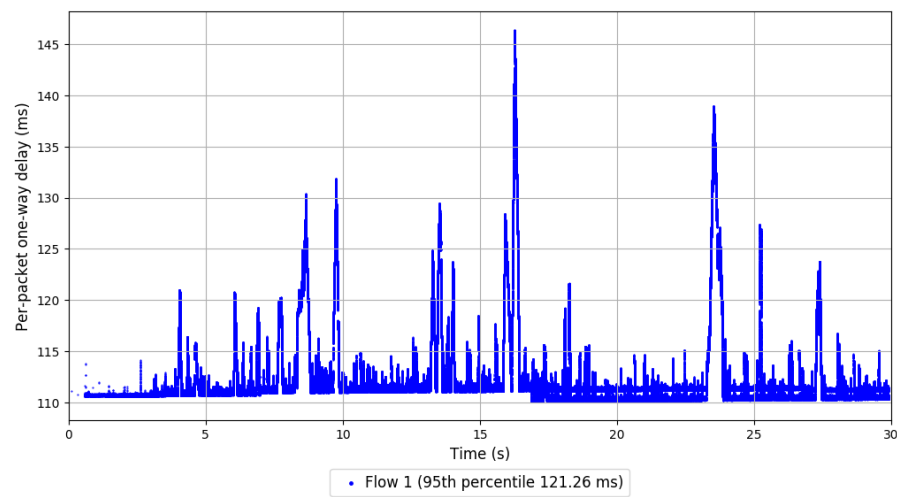
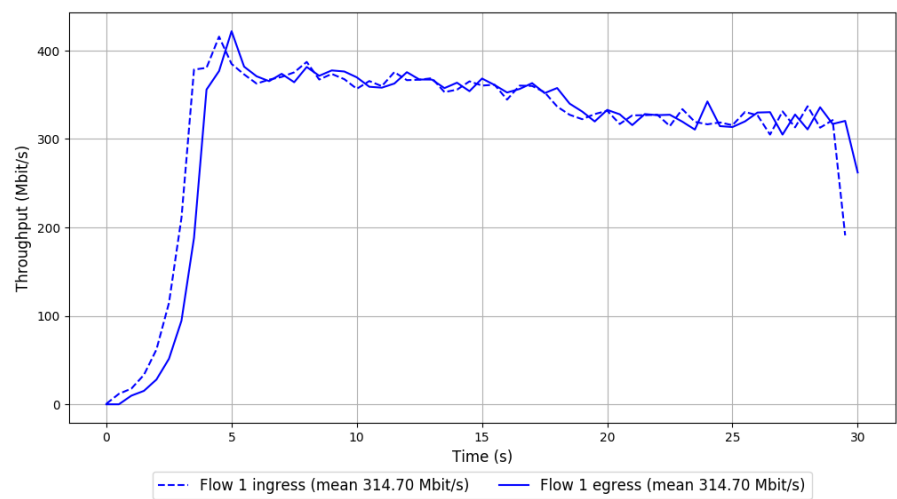


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-30 07:17:39
End at: 2018-05-30 07:18:10
Local clock offset: 28.367 ms
Remote clock offset: 23.83 ms

# Below is generated by plot.py at 2018-05-30 12:03:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.70 Mbit/s
95th percentile per-packet one-way delay: 121.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 314.70 Mbit/s
95th percentile per-packet one-way delay: 121.259 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

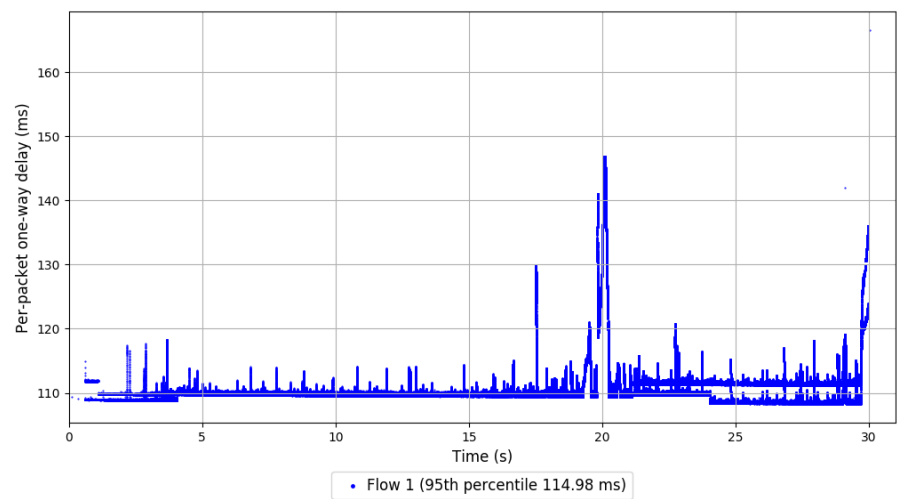
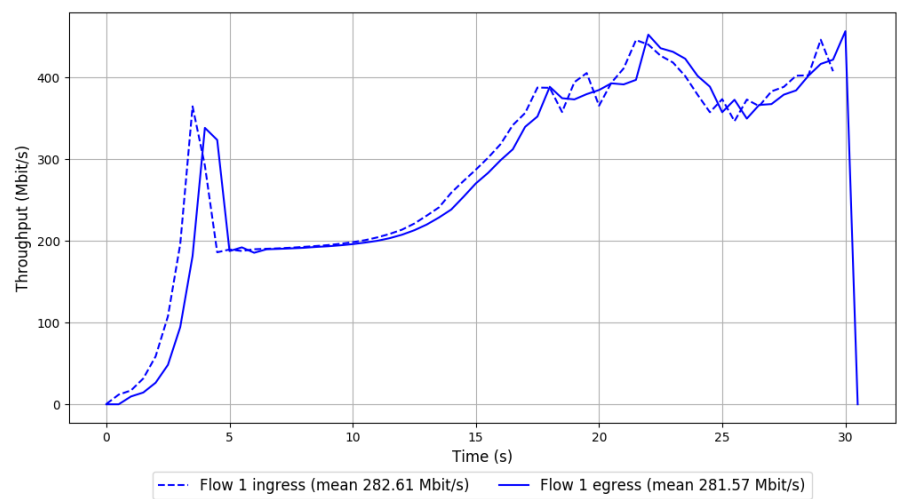


Run 2: Statistics of PCC-Expr

Start at: 2018-05-30 07:38:25
End at: 2018-05-30 07:38:55
Local clock offset: 13.058 ms
Remote clock offset: 39.775 ms

Below is generated by plot.py at 2018-05-30 12:03:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.57 Mbit/s
95th percentile per-packet one-way delay: 114.980 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 281.57 Mbit/s
95th percentile per-packet one-way delay: 114.980 ms
Loss rate: 0.30%

Run 2: Report of PCC-Expr — Data Link

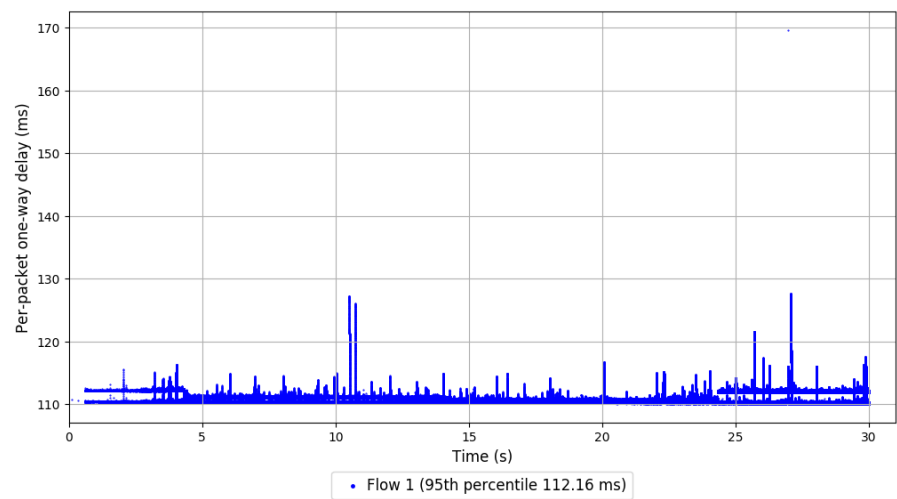
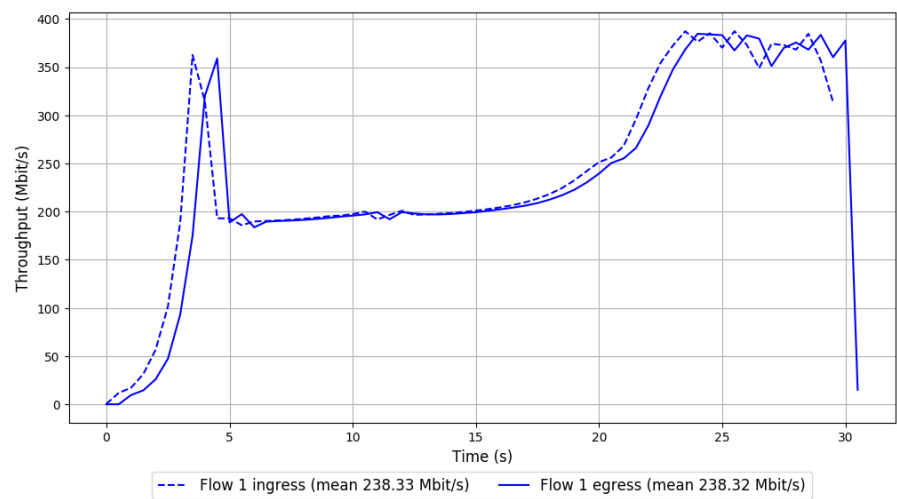


Run 3: Statistics of PCC-Expr

Start at: 2018-05-30 07:58:52
End at: 2018-05-30 07:59:22
Local clock offset: 14.371 ms
Remote clock offset: 13.459 ms

Below is generated by plot.py at 2018-05-30 12:03:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.32 Mbit/s
95th percentile per-packet one-way delay: 112.157 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 238.32 Mbit/s
95th percentile per-packet one-way delay: 112.157 ms
Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-30 08:19:42

End at: 2018-05-30 08:20:12

Local clock offset: 6.3 ms

Remote clock offset: 10.798 ms

Below is generated by plot.py at 2018-05-30 12:12:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 439.70 Mbit/s

95th percentile per-packet one-way delay: 324.366 ms

Loss rate: 8.73%

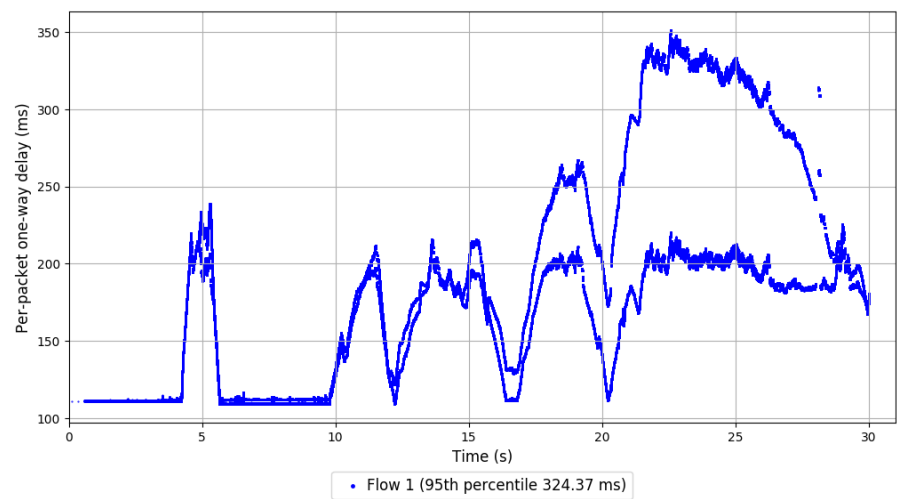
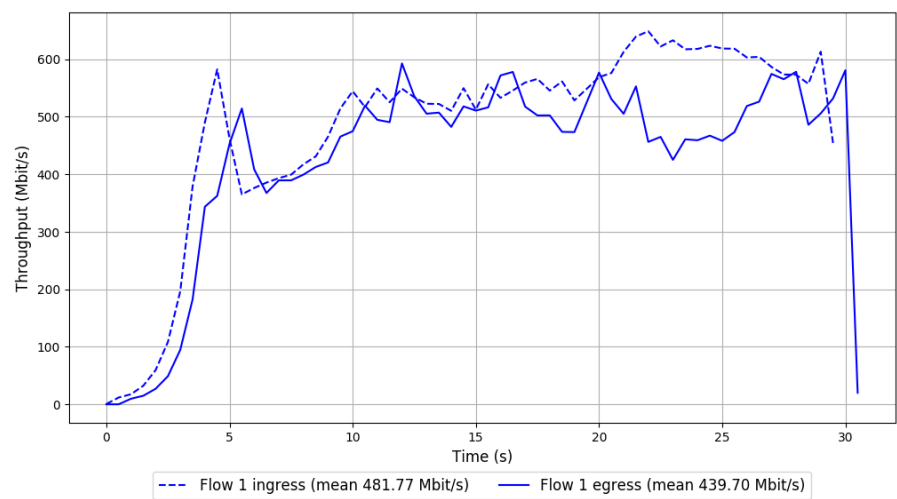
-- Flow 1:

Average throughput: 439.70 Mbit/s

95th percentile per-packet one-way delay: 324.366 ms

Loss rate: 8.73%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-30 08:40:43

End at: 2018-05-30 08:41:13

Local clock offset: 3.373 ms

Remote clock offset: 4.186 ms

Below is generated by plot.py at 2018-05-30 12:12:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.62 Mbit/s

95th percentile per-packet one-way delay: 112.408 ms

Loss rate: 0.00%

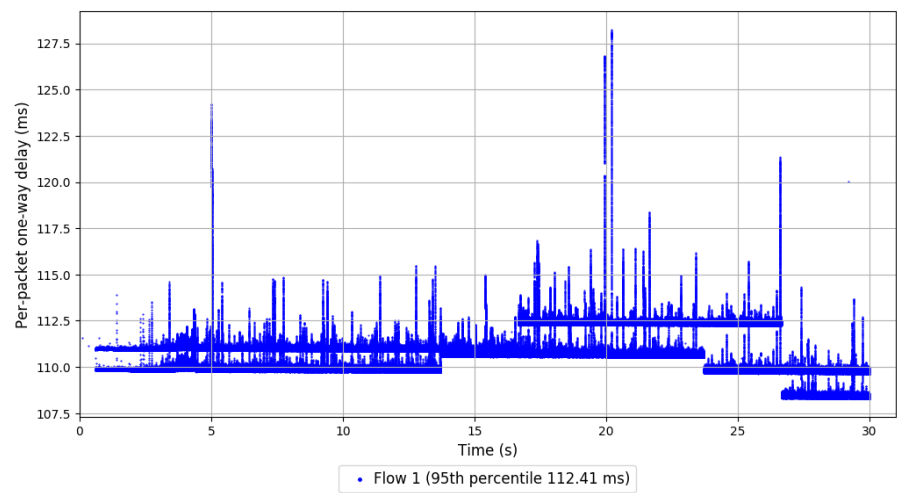
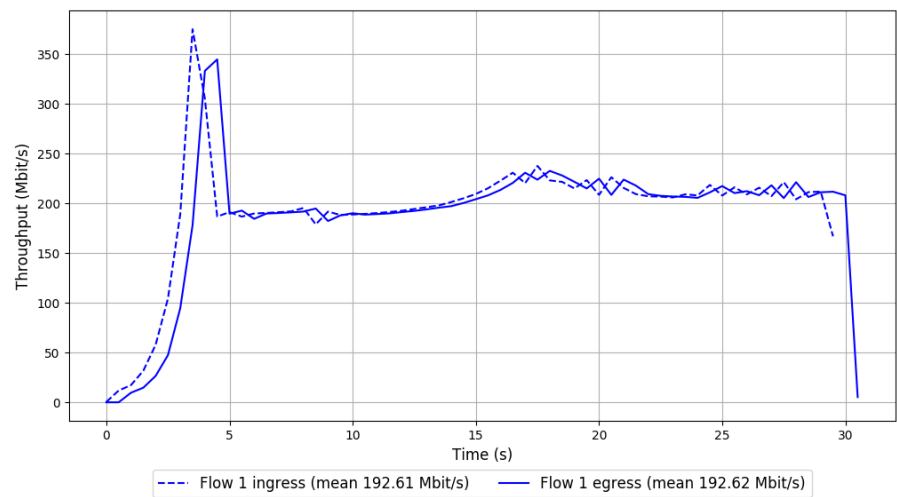
-- Flow 1:

Average throughput: 192.62 Mbit/s

95th percentile per-packet one-way delay: 112.408 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-30 09:01:17

End at: 2018-05-30 09:01:47

Local clock offset: 1.766 ms

Remote clock offset: 2.497 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.50 Mbit/s

95th percentile per-packet one-way delay: 147.998 ms

Loss rate: 1.16%

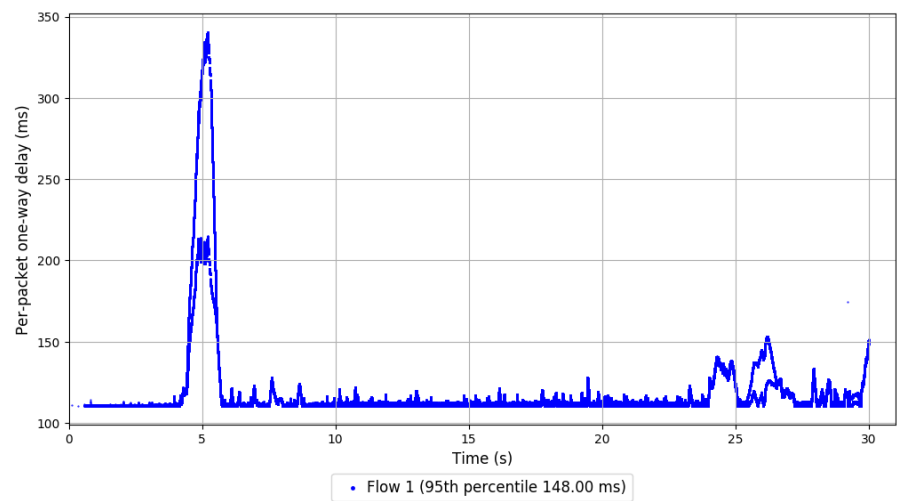
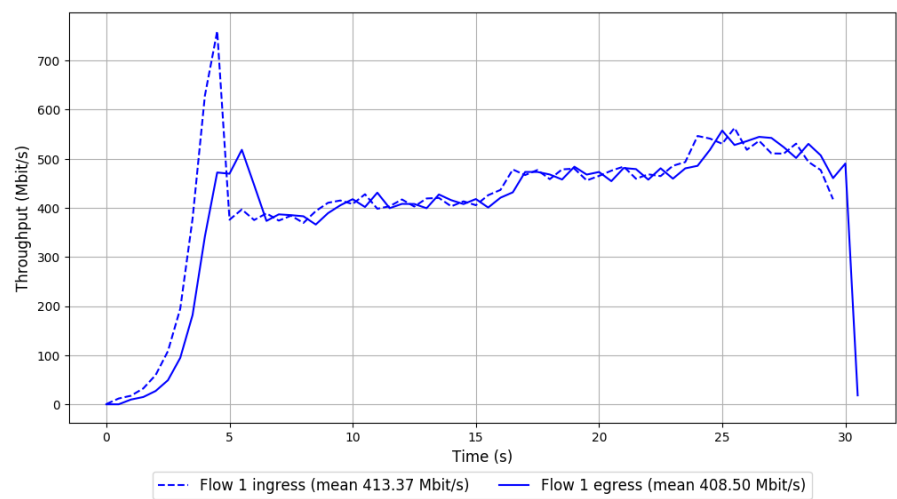
-- Flow 1:

Average throughput: 408.50 Mbit/s

95th percentile per-packet one-way delay: 147.998 ms

Loss rate: 1.16%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-30 09:22:16

End at: 2018-05-30 09:22:46

Local clock offset: 0.543 ms

Remote clock offset: 2.604 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.45 Mbit/s

95th percentile per-packet one-way delay: 112.686 ms

Loss rate: 0.00%

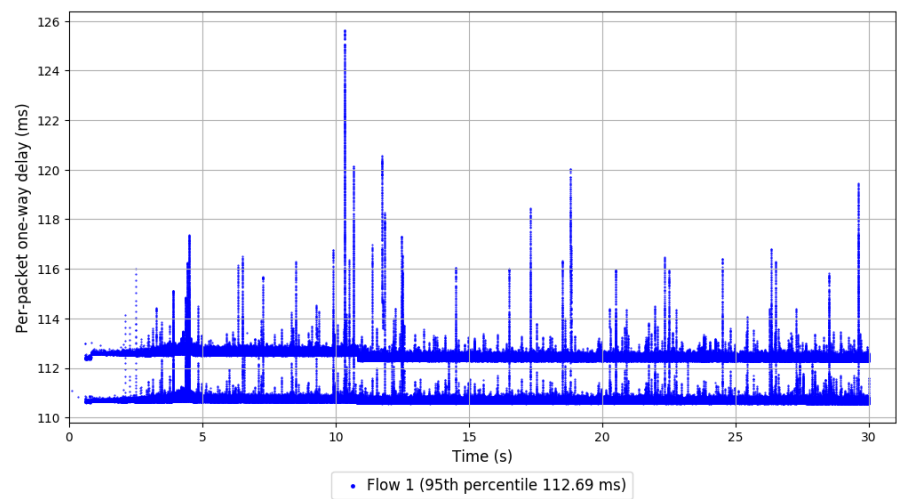
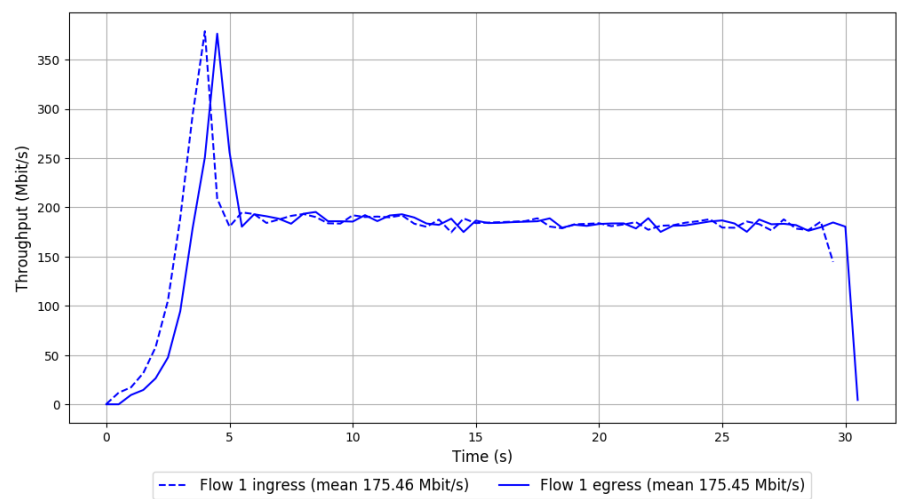
-- Flow 1:

Average throughput: 175.45 Mbit/s

95th percentile per-packet one-way delay: 112.686 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-30 09:42:47

End at: 2018-05-30 09:43:17

Local clock offset: 0.776 ms

Remote clock offset: 0.946 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.28 Mbit/s

95th percentile per-packet one-way delay: 112.428 ms

Loss rate: 0.00%

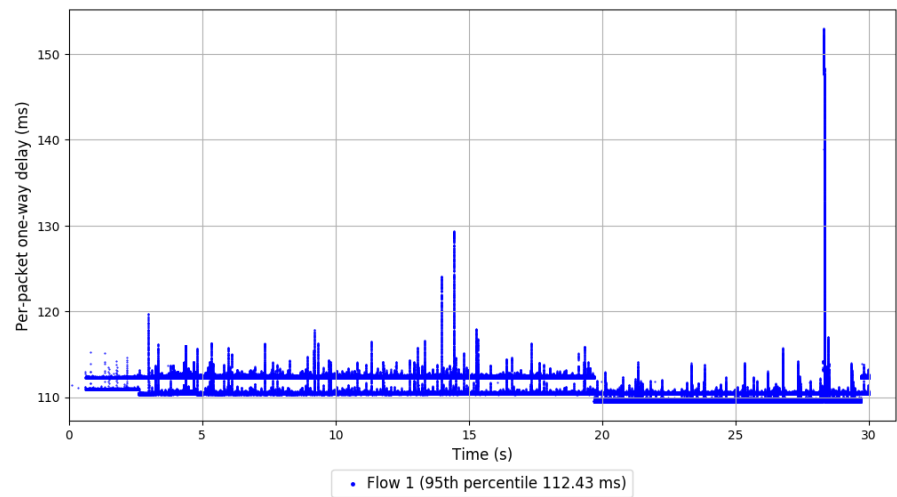
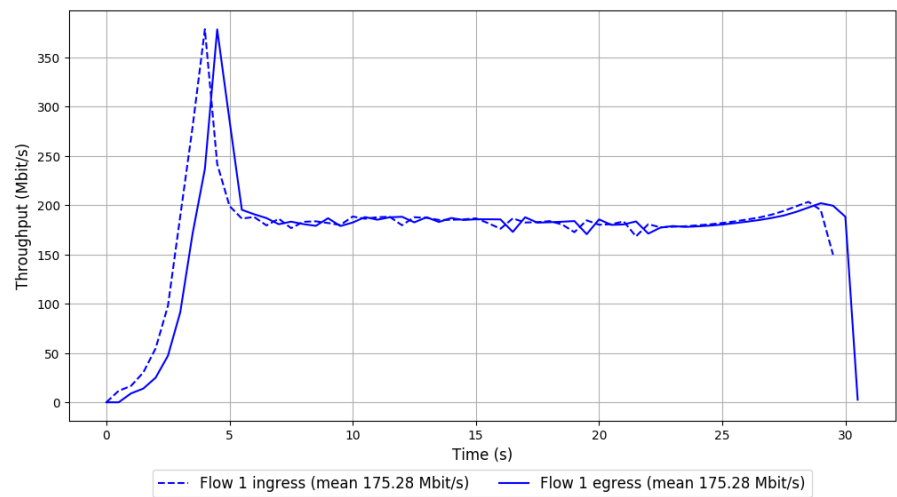
-- Flow 1:

Average throughput: 175.28 Mbit/s

95th percentile per-packet one-way delay: 112.428 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-30 10:03:29

End at: 2018-05-30 10:03:59

Local clock offset: 1.148 ms

Remote clock offset: 0.932 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.16 Mbit/s

95th percentile per-packet one-way delay: 111.872 ms

Loss rate: 0.00%

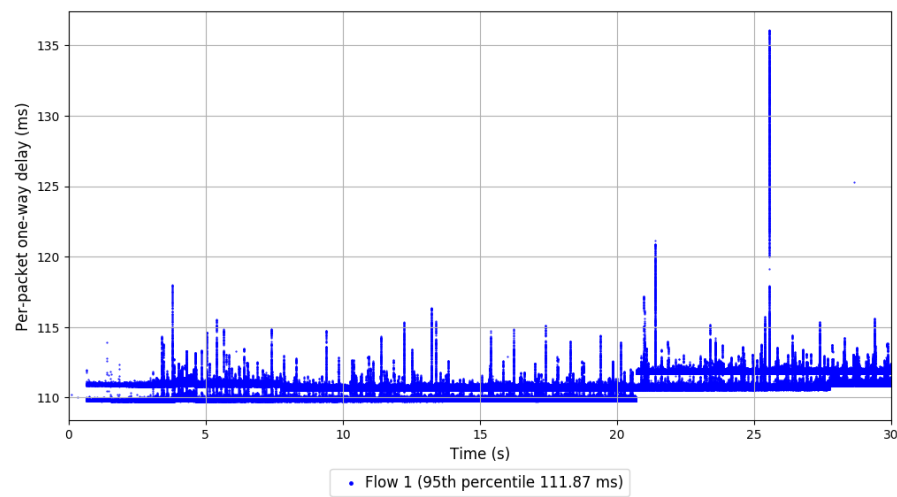
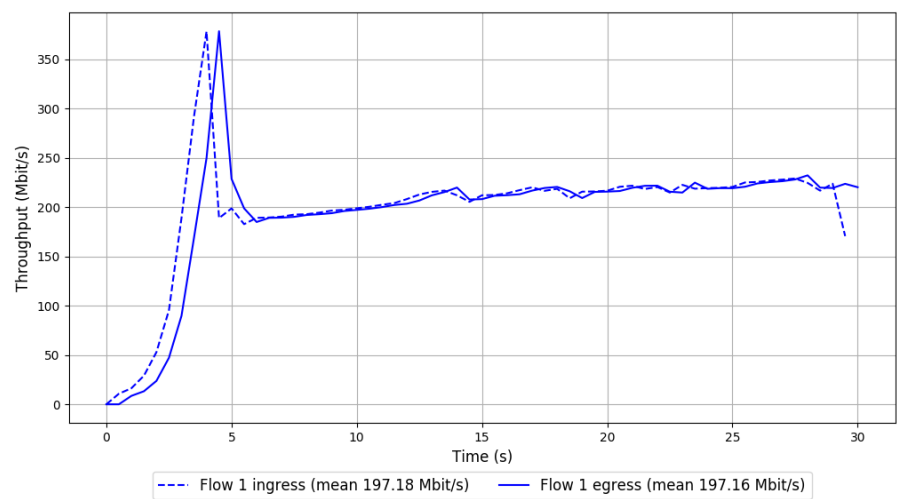
-- Flow 1:

Average throughput: 197.16 Mbit/s

95th percentile per-packet one-way delay: 111.872 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-30 10:24:26

End at: 2018-05-30 10:24:56

Local clock offset: 0.171 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.36 Mbit/s

95th percentile per-packet one-way delay: 112.999 ms

Loss rate: 0.00%

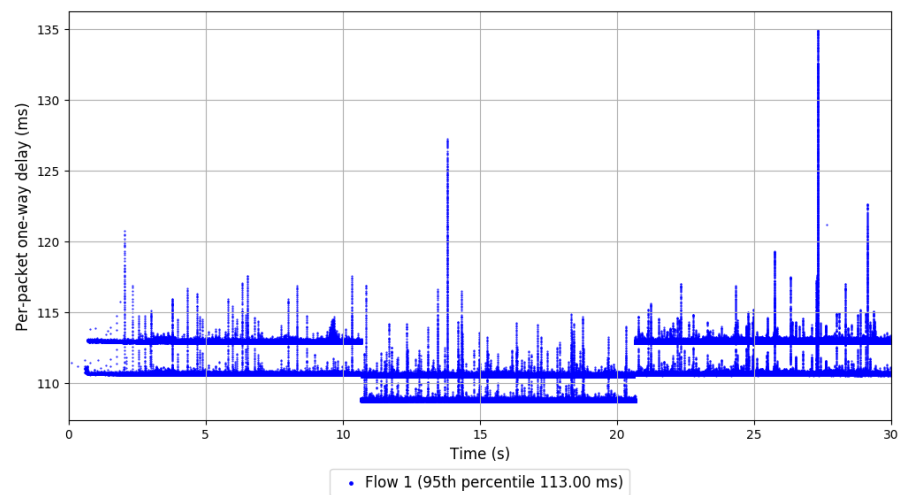
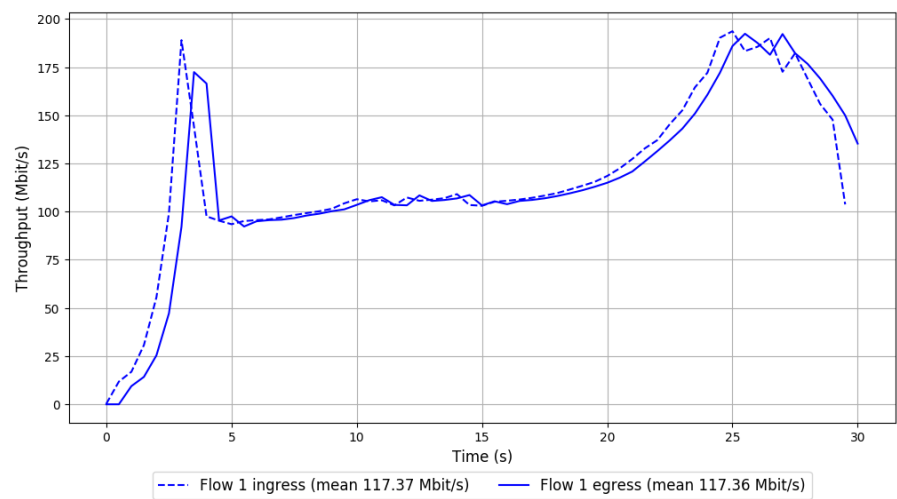
-- Flow 1:

Average throughput: 117.36 Mbit/s

95th percentile per-packet one-way delay: 112.999 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

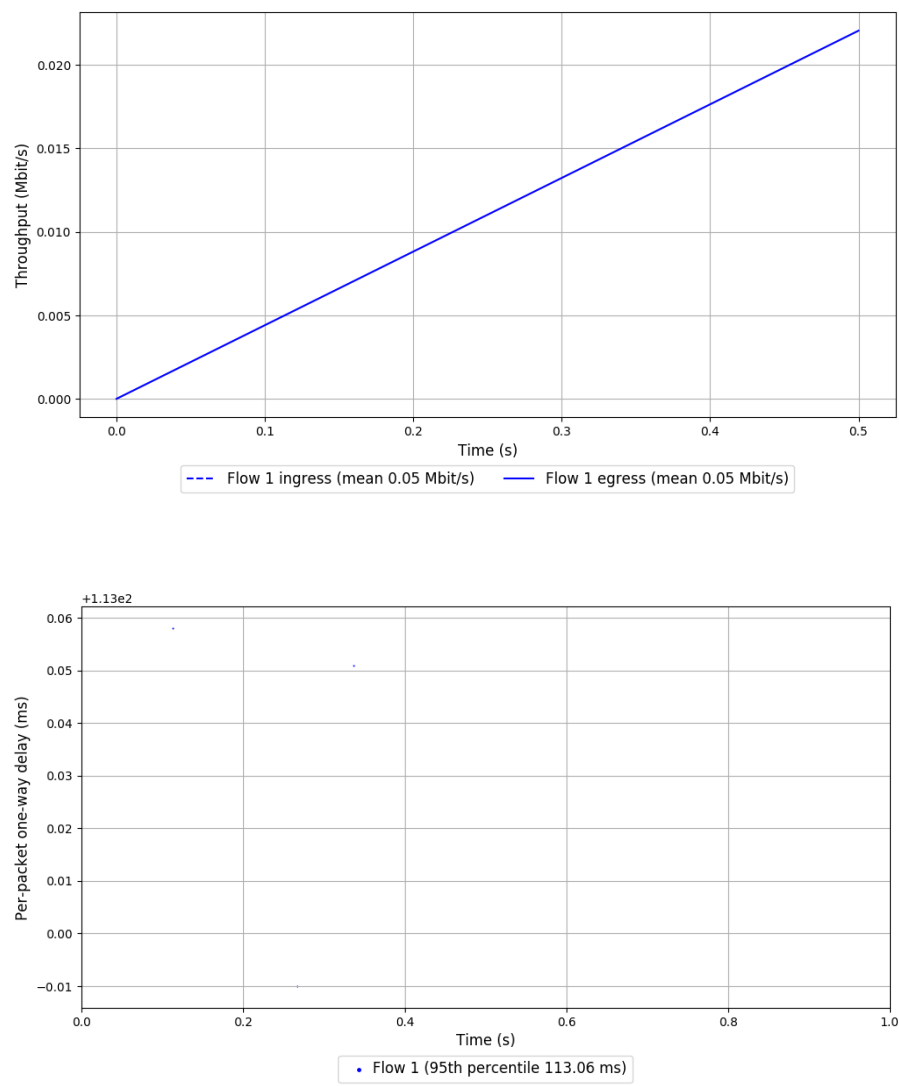
Start at: 2018-05-30 07:19:18

End at: 2018-05-30 07:19:48

Local clock offset: 29.526 ms

Remote clock offset: 23.658 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-30 07:39:57

End at: 2018-05-30 07:40:27

Local clock offset: 12.863 ms

Remote clock offset: 41.601 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 111.845 ms

Loss rate: 0.00%

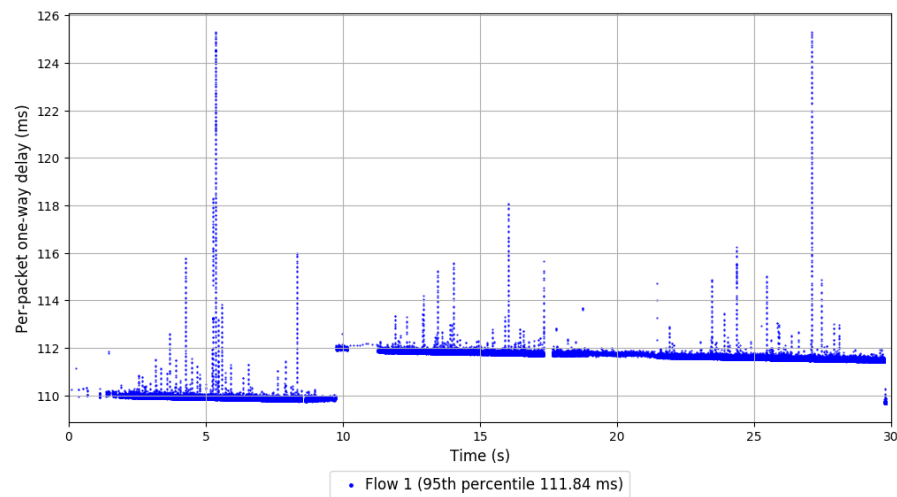
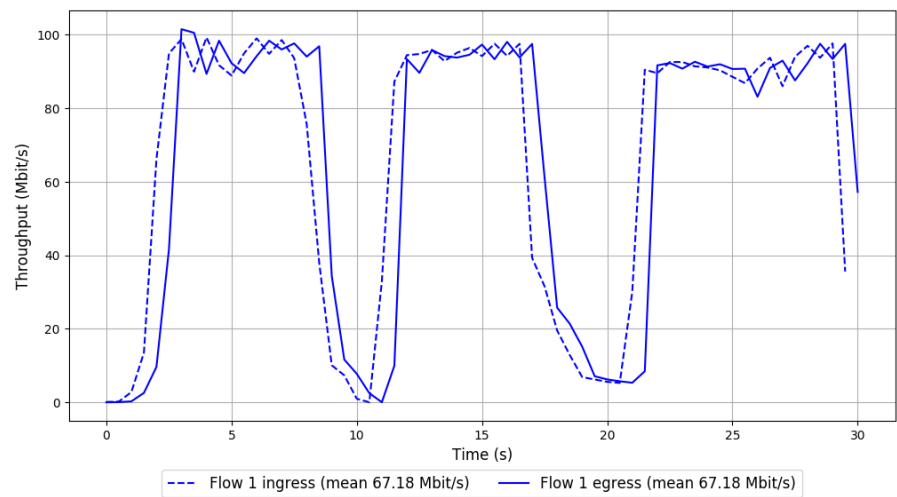
-- Flow 1:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 111.845 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-30 08:00:20

End at: 2018-05-30 08:00:50

Local clock offset: 12.867 ms

Remote clock offset: 12.519 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.90 Mbit/s

95th percentile per-packet one-way delay: 111.926 ms

Loss rate: 0.01%

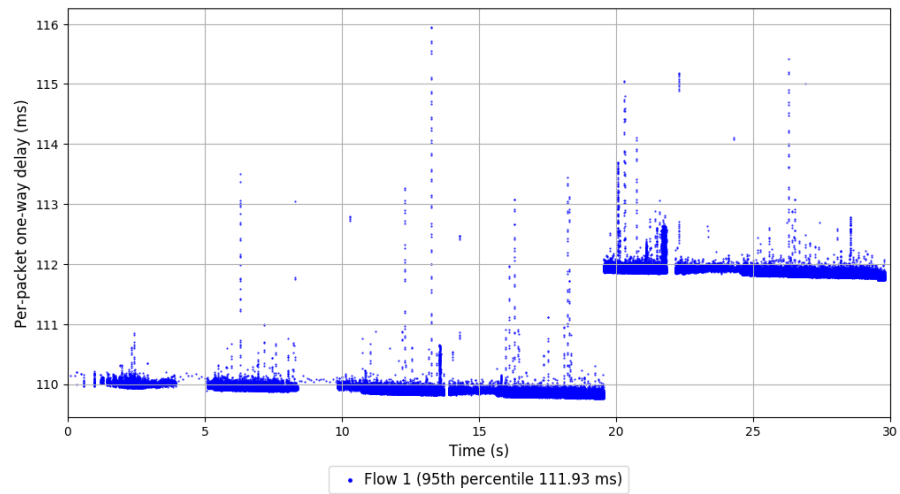
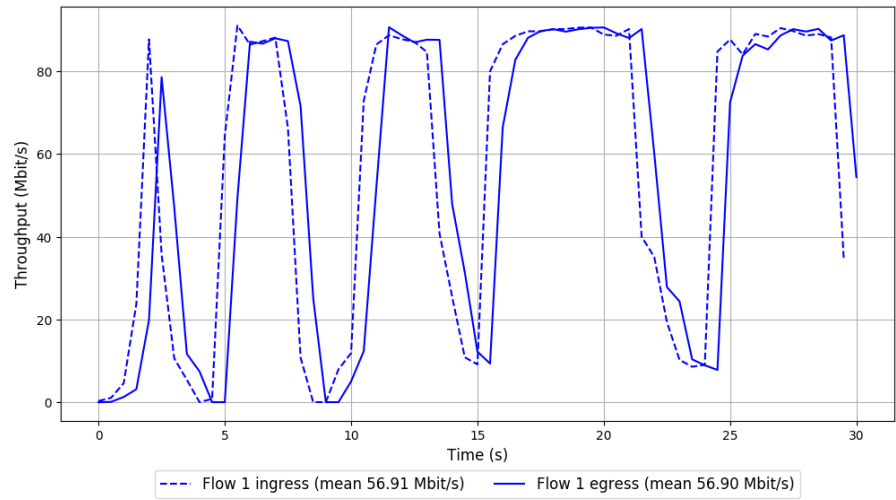
-- Flow 1:

Average throughput: 56.90 Mbit/s

95th percentile per-packet one-way delay: 111.926 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-30 08:21:19

End at: 2018-05-30 08:21:49

Local clock offset: 6.472 ms

Remote clock offset: 9.136 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.75 Mbit/s

95th percentile per-packet one-way delay: 113.490 ms

Loss rate: 0.00%

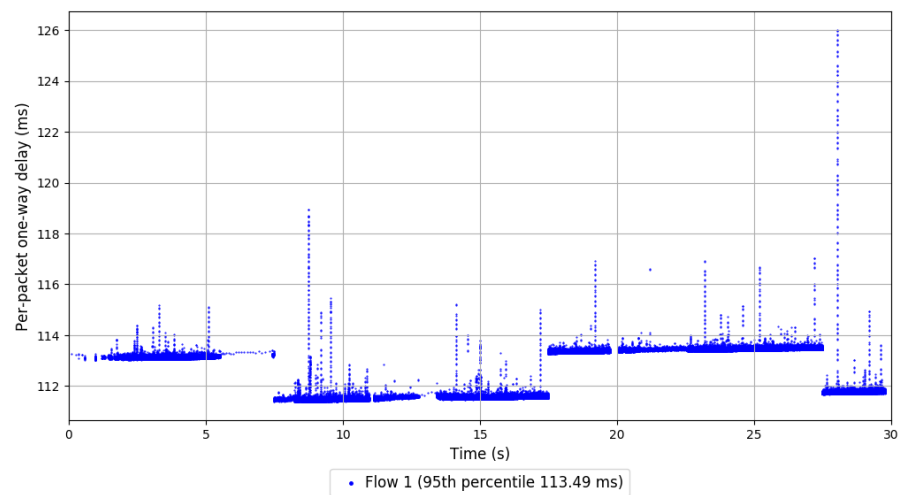
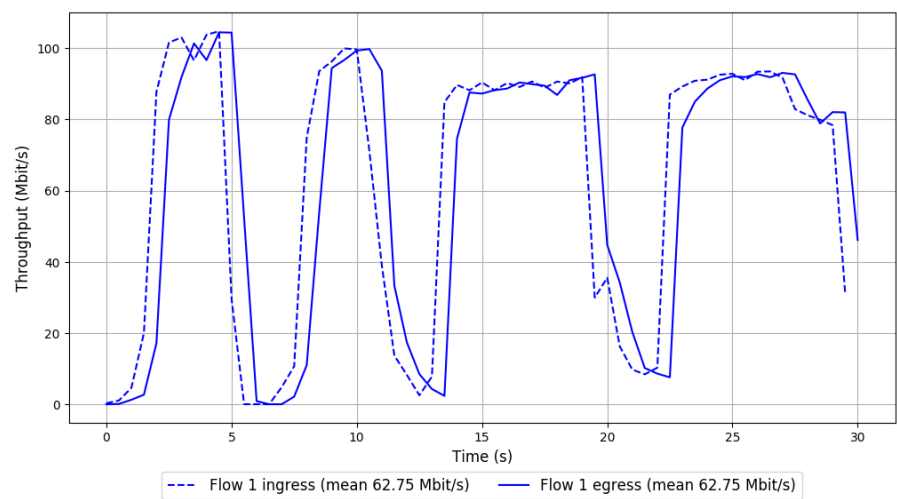
-- Flow 1:

Average throughput: 62.75 Mbit/s

95th percentile per-packet one-way delay: 113.490 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-30 08:42:08

End at: 2018-05-30 08:42:38

Local clock offset: 2.841 ms

Remote clock offset: 4.562 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.43 Mbit/s

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

Loss rate: 0.00%

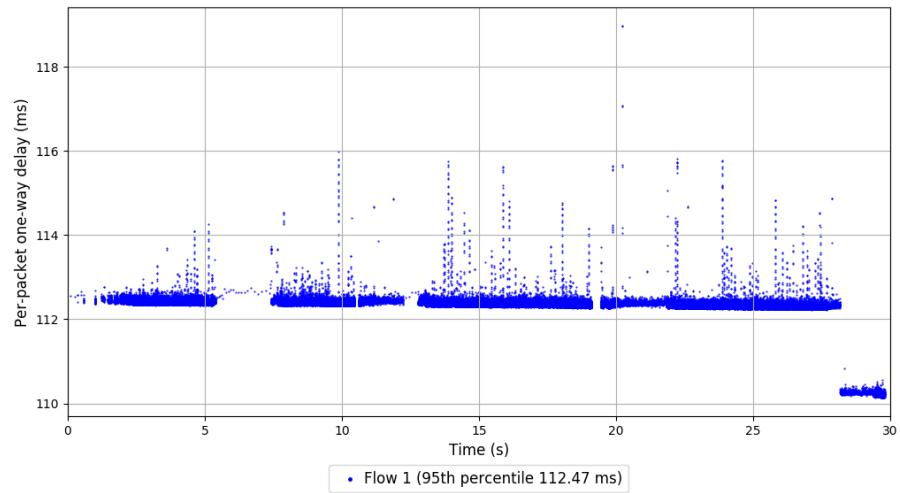
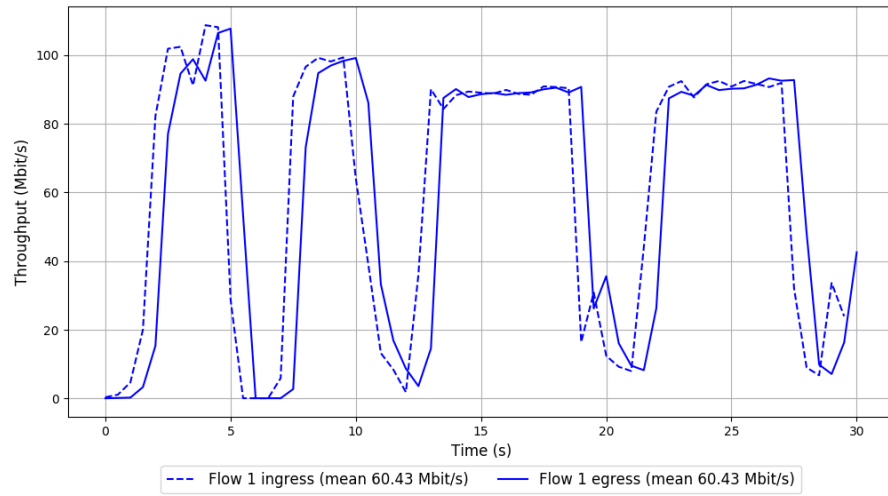
-- Flow 1:

Average throughput: 60.43 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-30 09:02:53

End at: 2018-05-30 09:03:23

Local clock offset: 1.829 ms

Remote clock offset: 2.292 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 112.745 ms

Loss rate: 0.00%

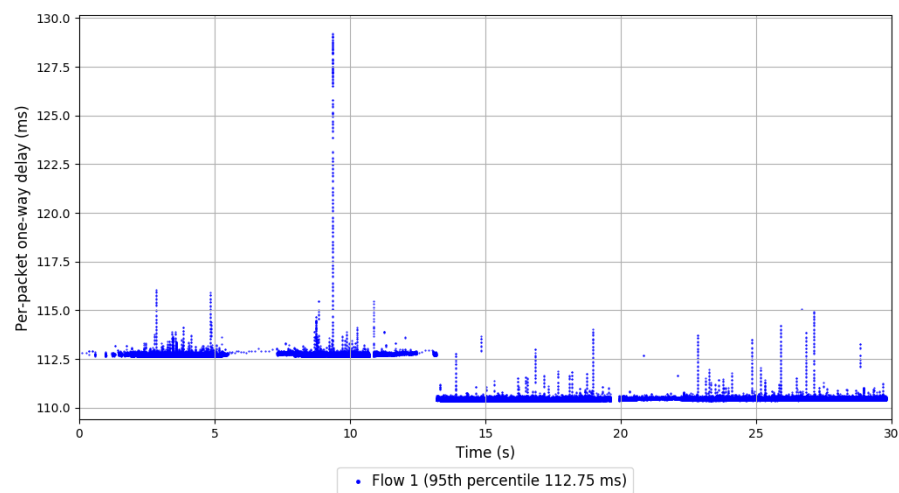
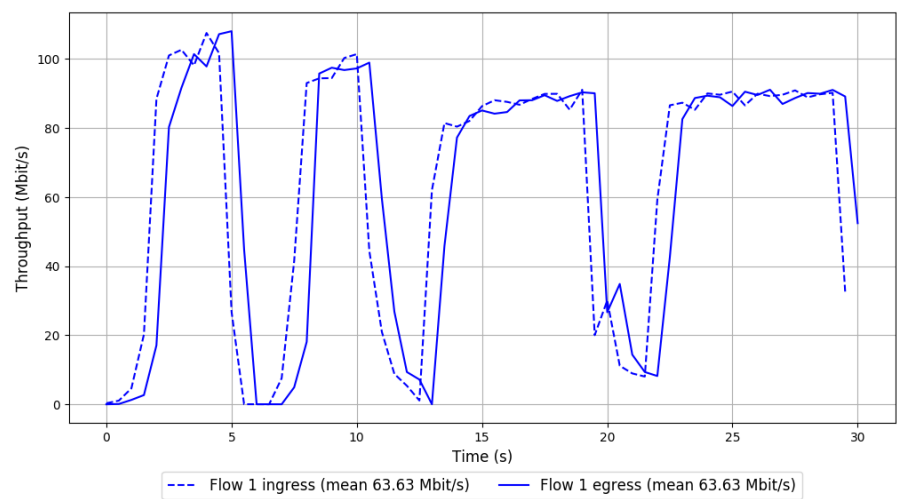
-- Flow 1:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 112.745 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-30 09:23:40

End at: 2018-05-30 09:24:10

Local clock offset: 0.522 ms

Remote clock offset: 2.31 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 111.242 ms

Loss rate: 0.00%

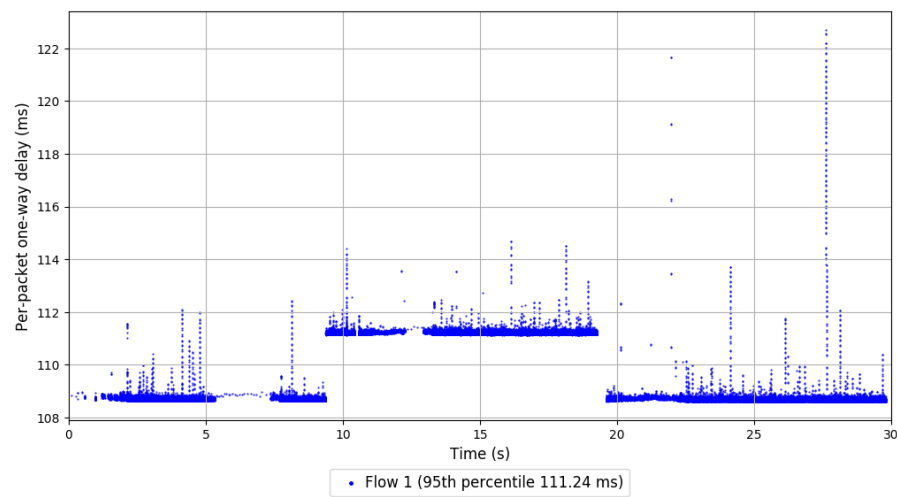
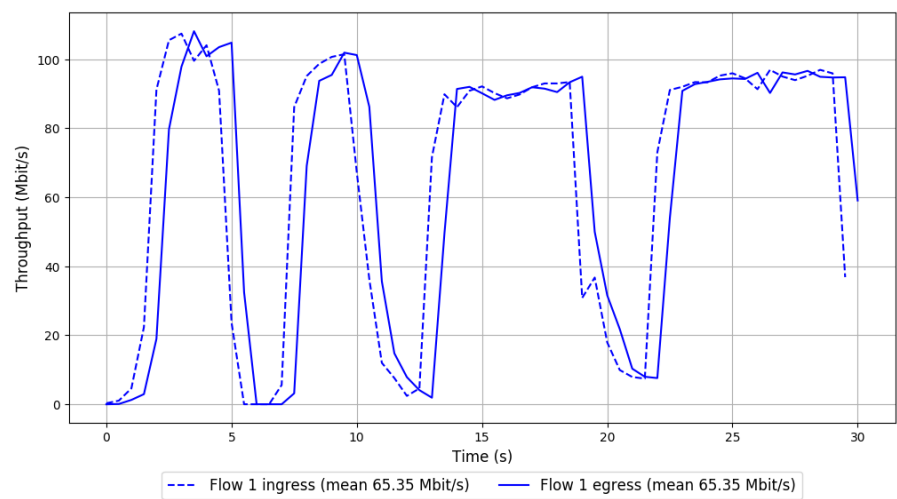
-- Flow 1:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 111.242 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

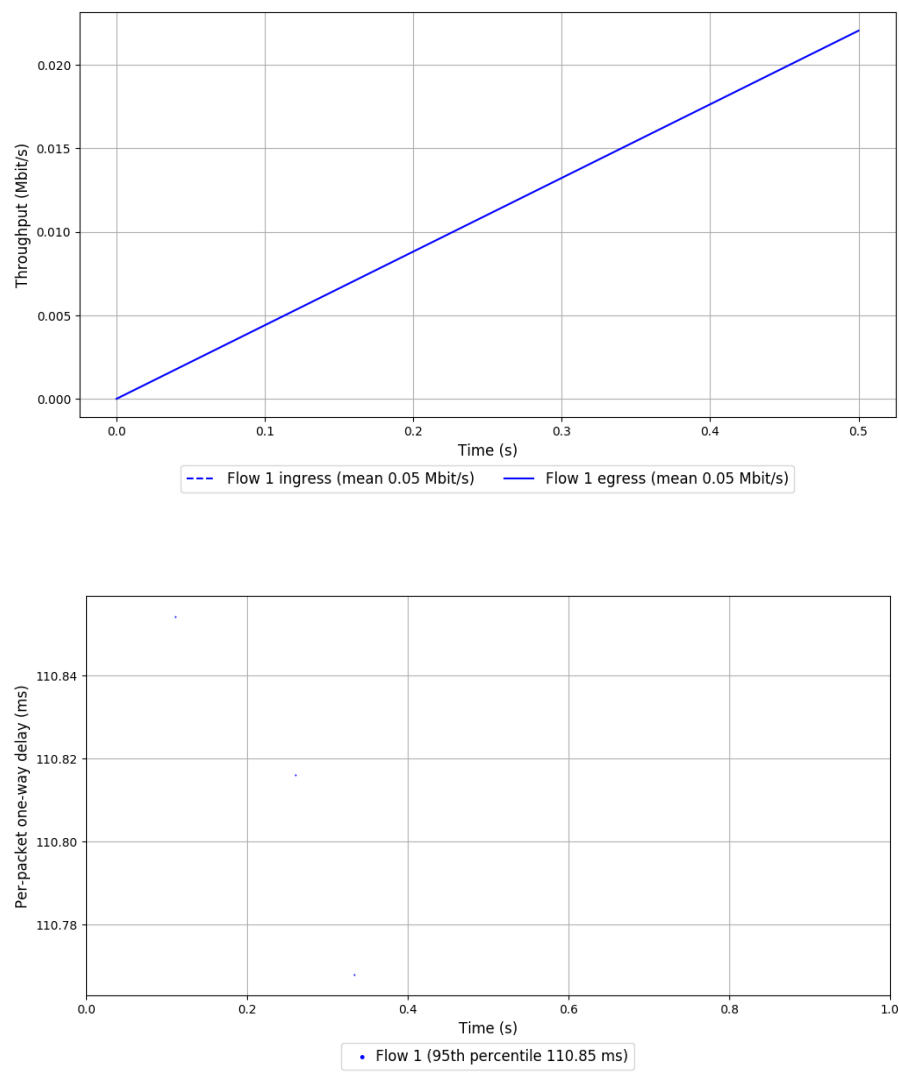
Start at: 2018-05-30 09:44:12

End at: 2018-05-30 09:44:42

Local clock offset: 0.677 ms

Remote clock offset: 0.904 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

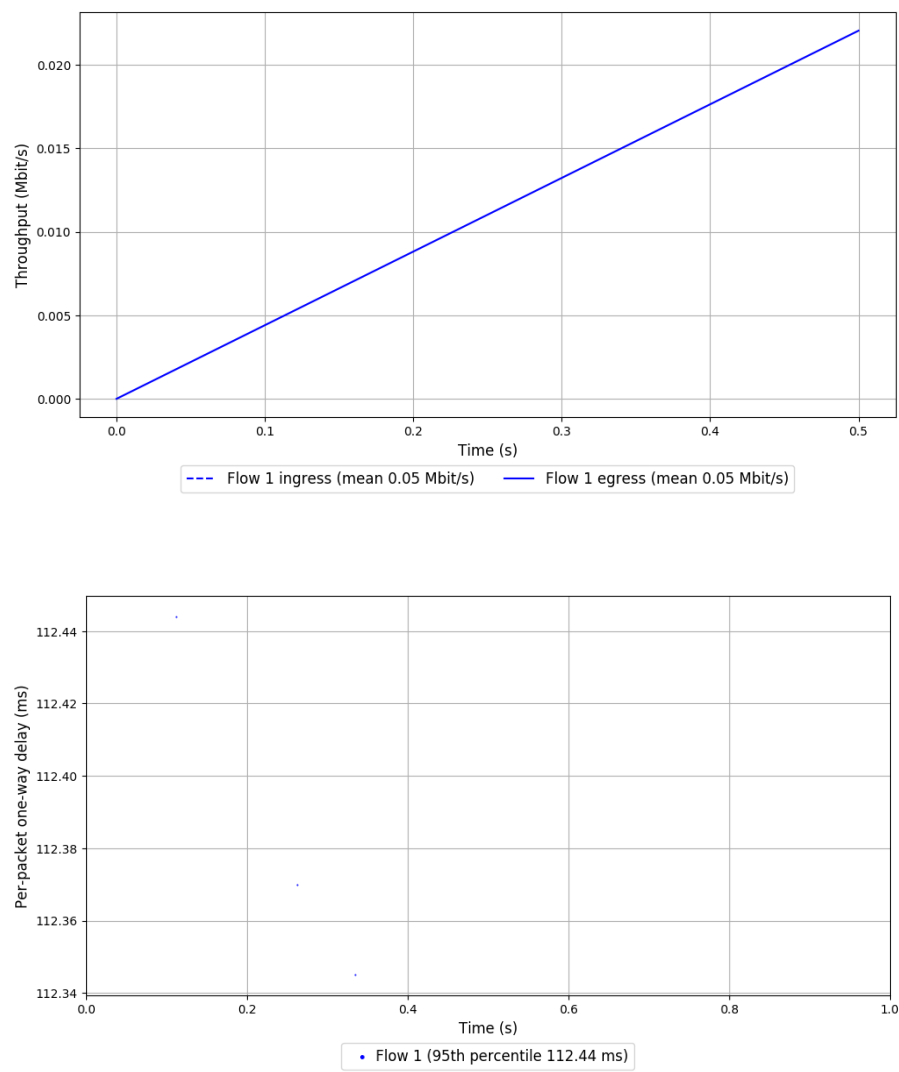
Start at: 2018-05-30 10:04:57

End at: 2018-05-30 10:05:27

Local clock offset: 0.996 ms

Remote clock offset: 0.79 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

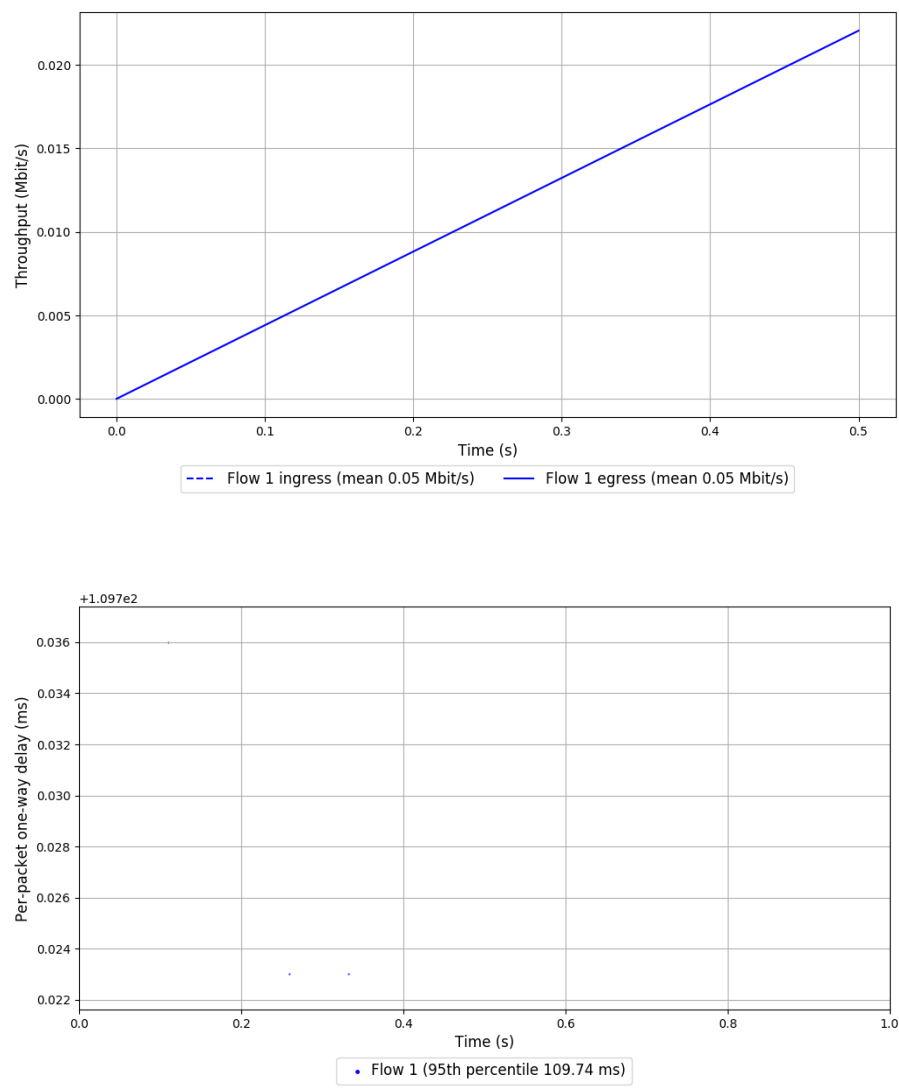
Start at: 2018-05-30 10:25:45

End at: 2018-05-30 10:26:15

Local clock offset: 0.033 ms

Remote clock offset: 0.203 ms

Run 10: Report of QUIC Cubic — Data Link

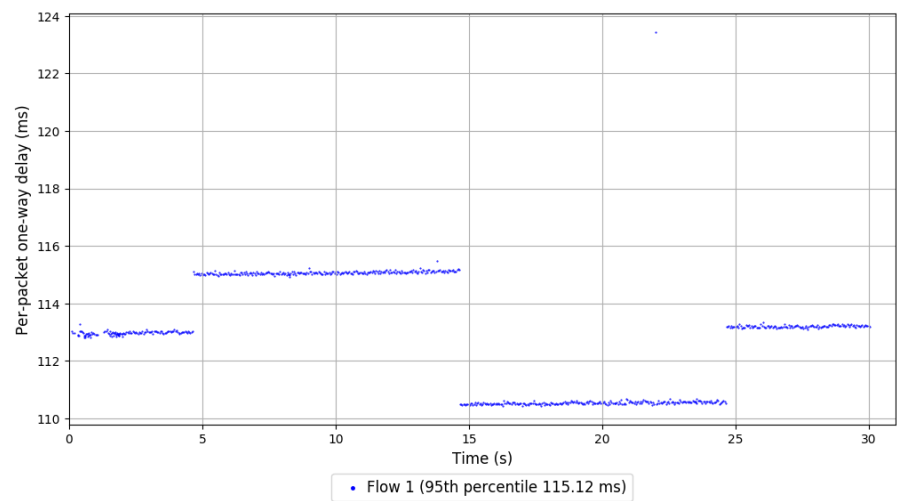
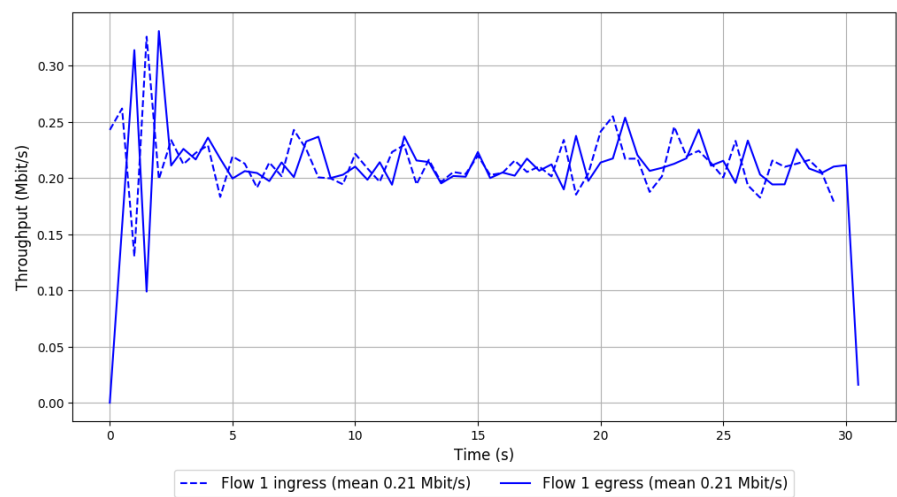


Run 1: Statistics of SCReAM

Start at: 2018-05-30 07:21:42
End at: 2018-05-30 07:22:12
Local clock offset: 31.636 ms
Remote clock offset: 24.211 ms

Below is generated by plot.py at 2018-05-30 12:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 115.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 115.117 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-30 07:42:23

End at: 2018-05-30 07:42:53

Local clock offset: 12.733 ms

Remote clock offset: 44.68 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.562 ms

Loss rate: 0.00%

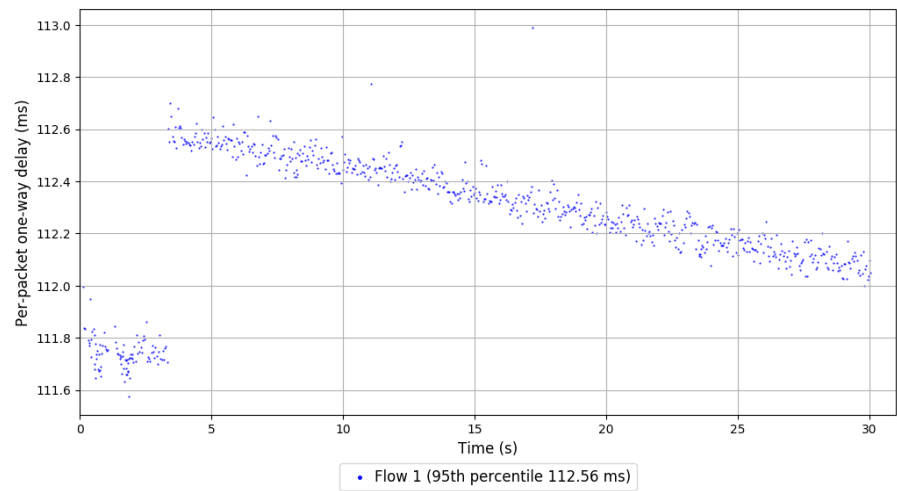
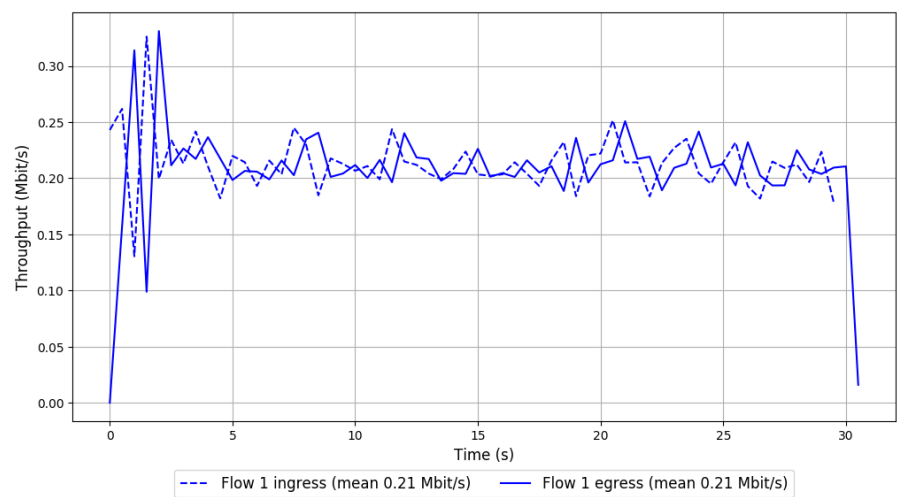
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.562 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

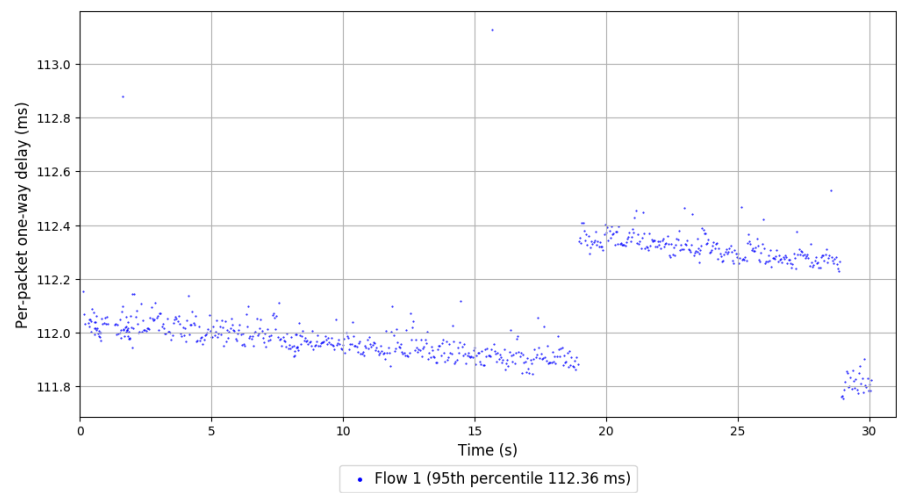
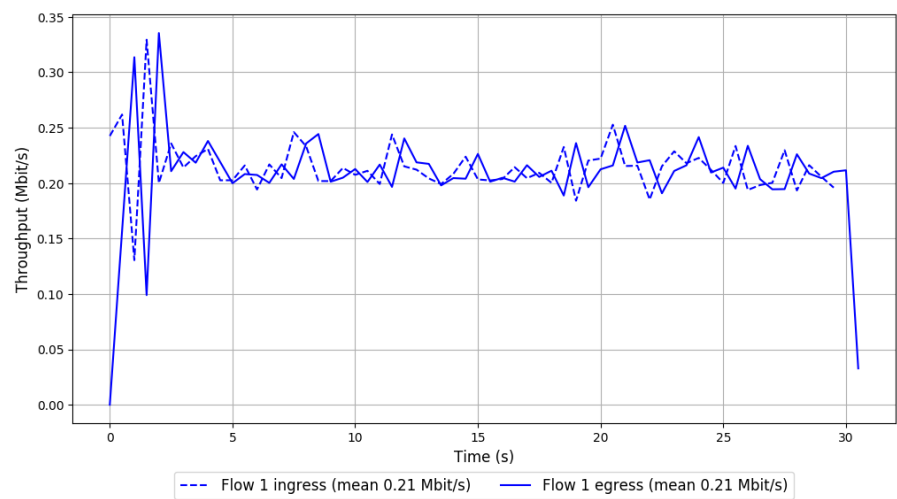


Run 3: Statistics of SCReAM

Start at: 2018-05-30 08:02:48
End at: 2018-05-30 08:03:18
Local clock offset: 10.387 ms
Remote clock offset: 11.538 ms

Below is generated by plot.py at 2018-05-30 12:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.361 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-30 08:23:53

End at: 2018-05-30 08:24:23

Local clock offset: 6.955 ms

Remote clock offset: 7.129 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.168 ms

Loss rate: 0.00%

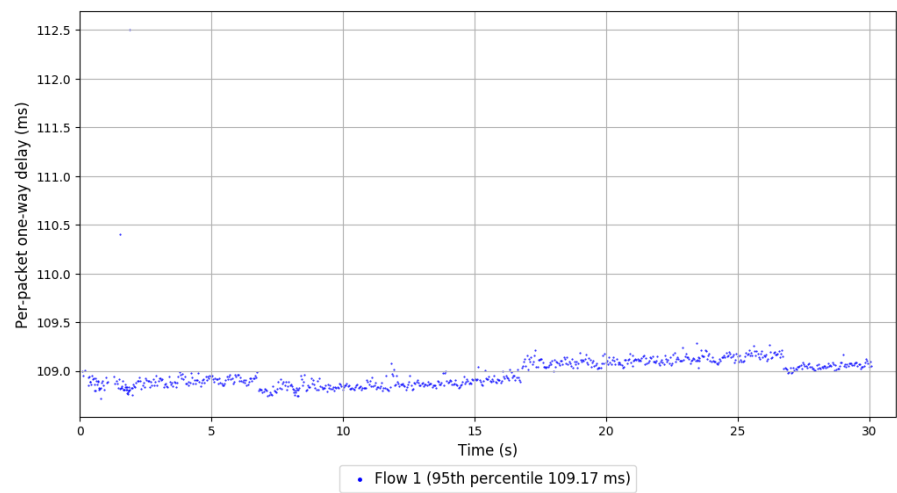
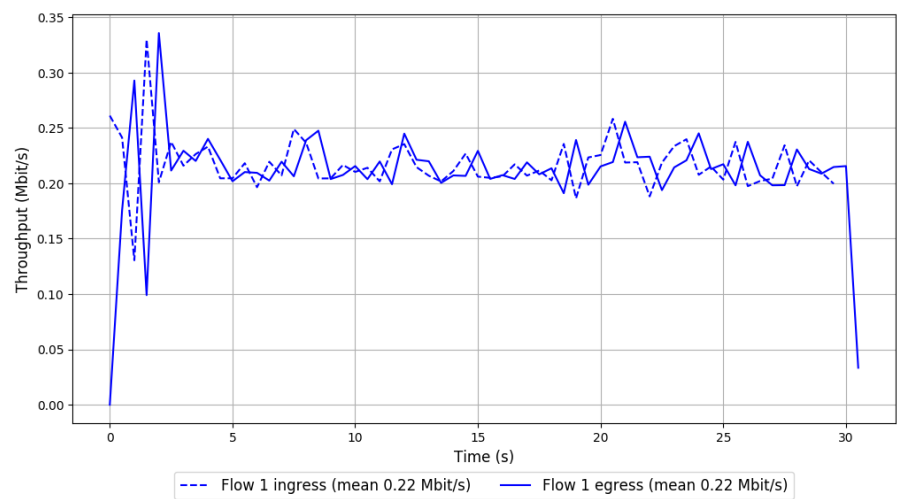
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.168 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-30 08:44:39

End at: 2018-05-30 08:45:09

Local clock offset: 2.278 ms

Remote clock offset: 4.347 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.366 ms

Loss rate: 0.00%

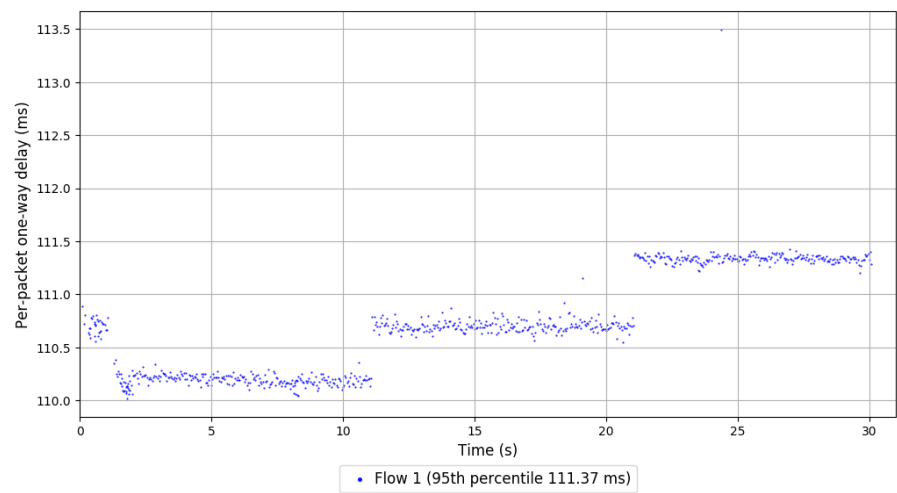
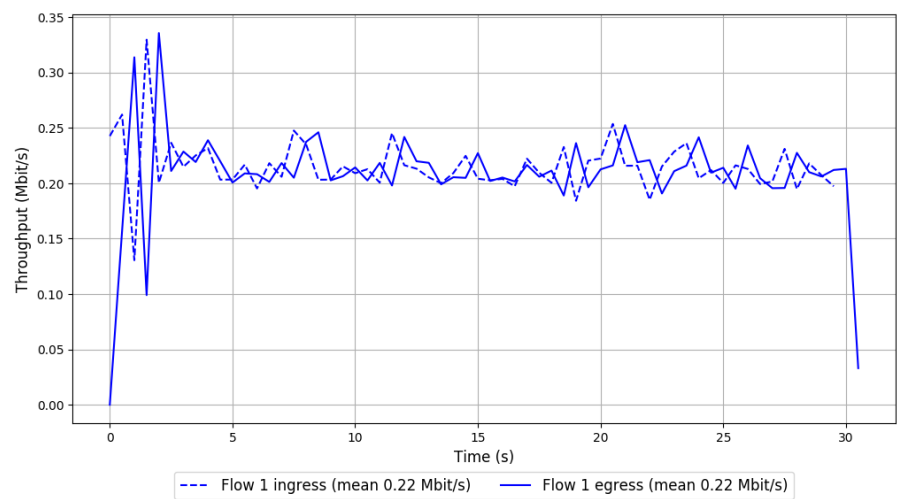
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.366 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-30 09:05:27

End at: 2018-05-30 09:05:57

Local clock offset: 1.689 ms

Remote clock offset: 2.044 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.364 ms

Loss rate: 0.00%

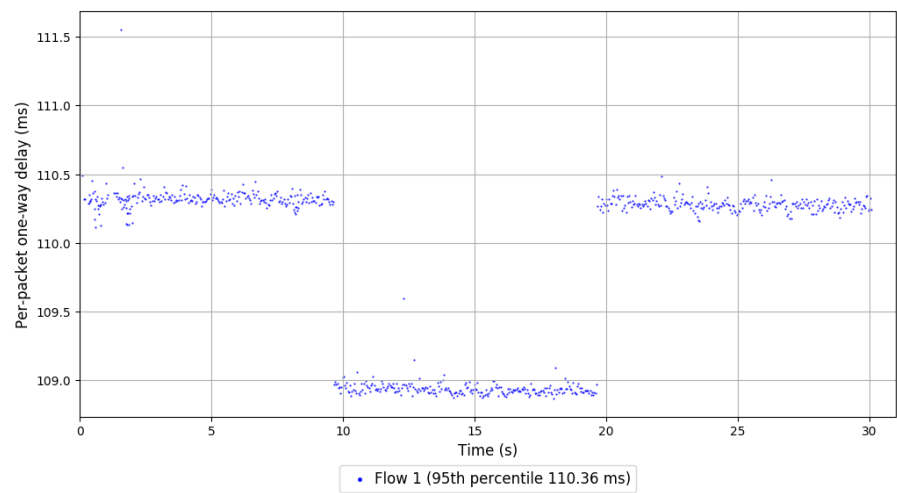
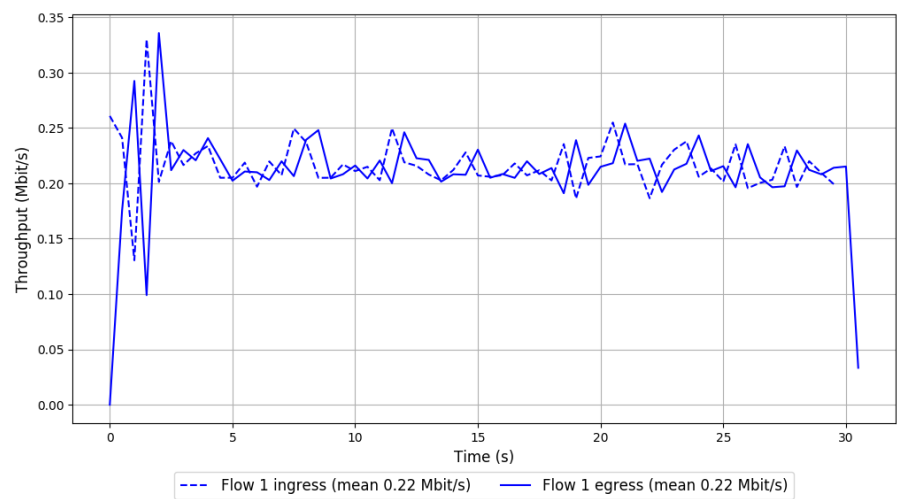
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.364 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-30 09:26:14

End at: 2018-05-30 09:26:44

Local clock offset: 0.66 ms

Remote clock offset: 2.811 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.298 ms

Loss rate: 0.00%

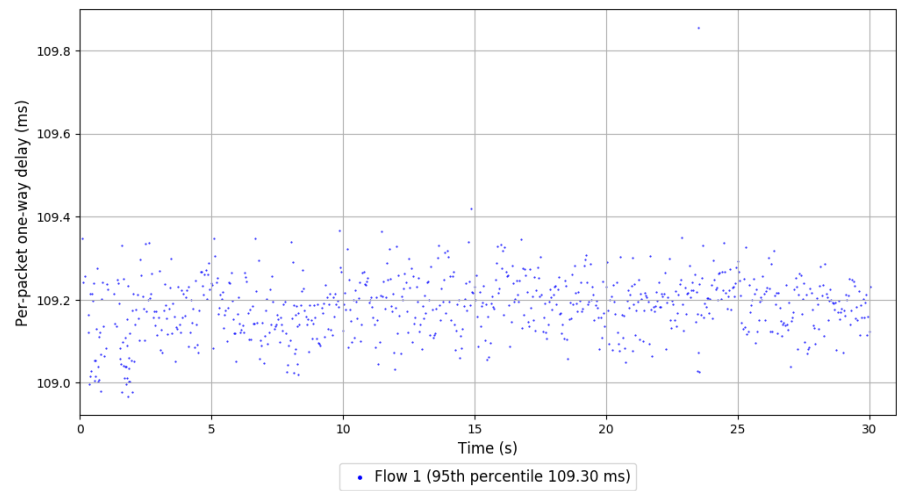
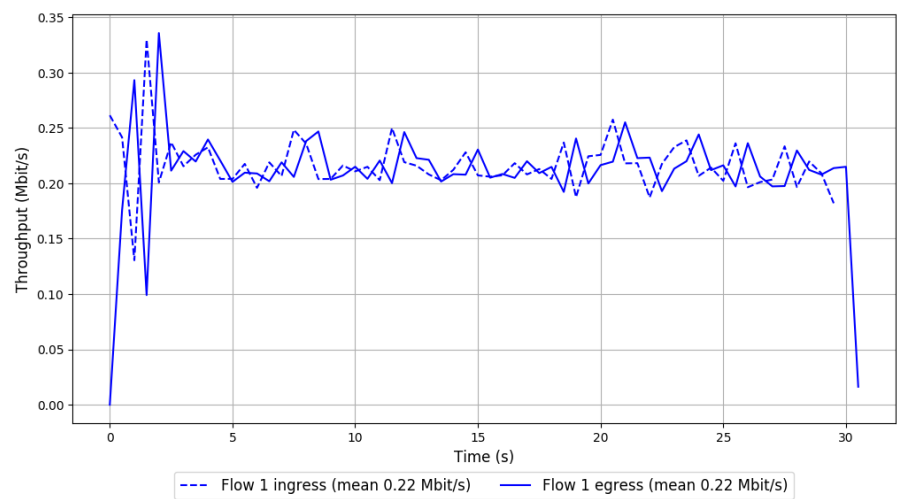
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.298 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-30 09:46:40

End at: 2018-05-30 09:47:11

Local clock offset: 0.847 ms

Remote clock offset: 0.917 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.880 ms

Loss rate: 0.00%

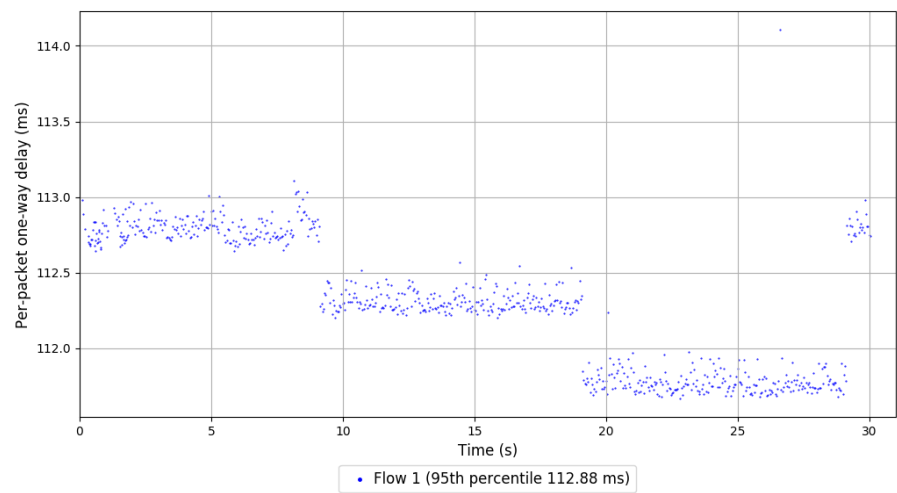
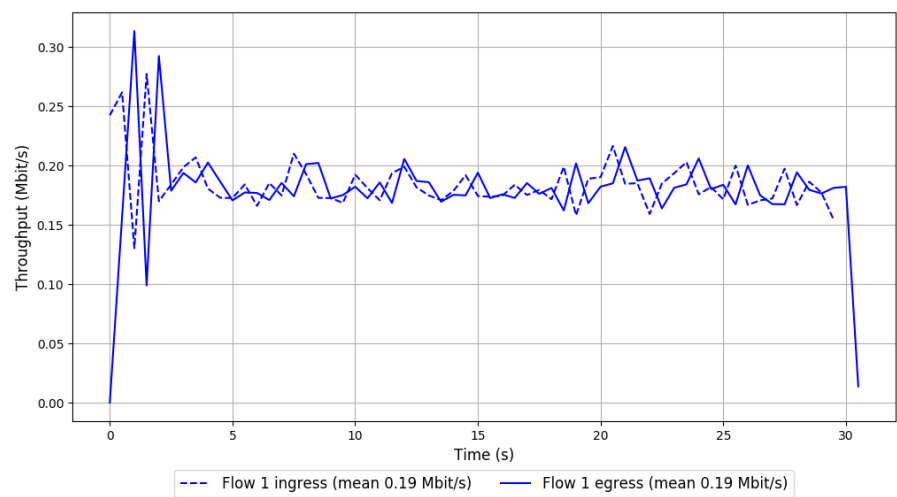
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.880 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-30 10:07:28

End at: 2018-05-30 10:07:58

Local clock offset: 1.283 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.362 ms

Loss rate: 0.00%

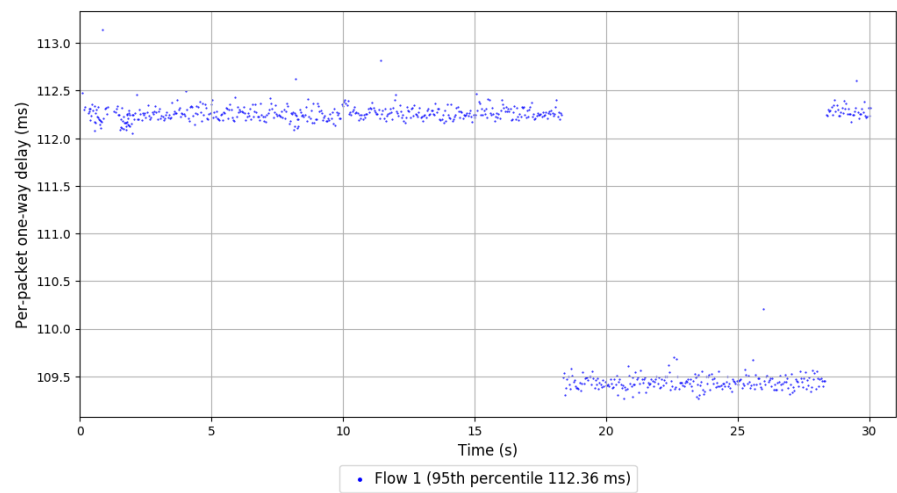
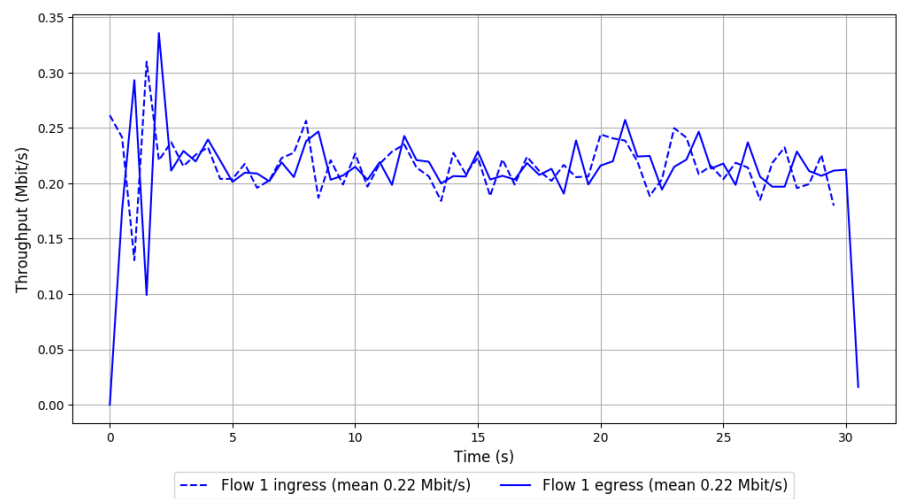
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.362 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-30 10:28:14

End at: 2018-05-30 10:28:44

Local clock offset: -0.007 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.924 ms

Loss rate: 0.12%

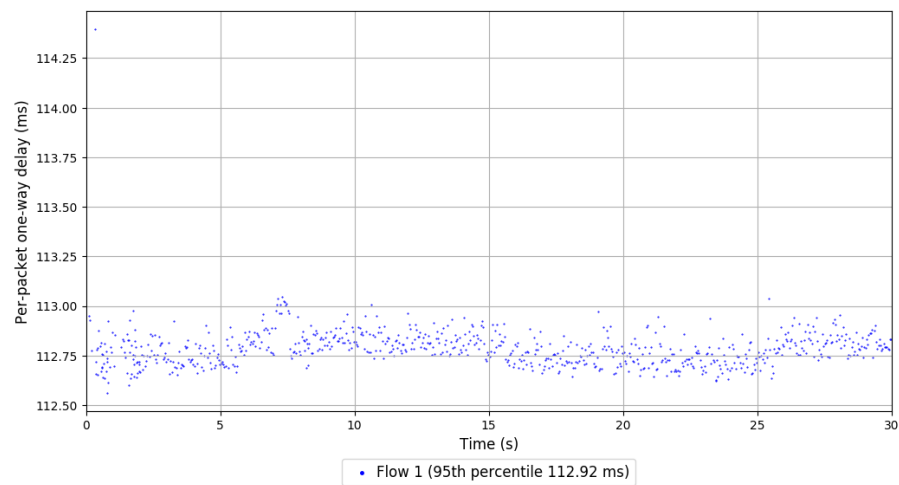
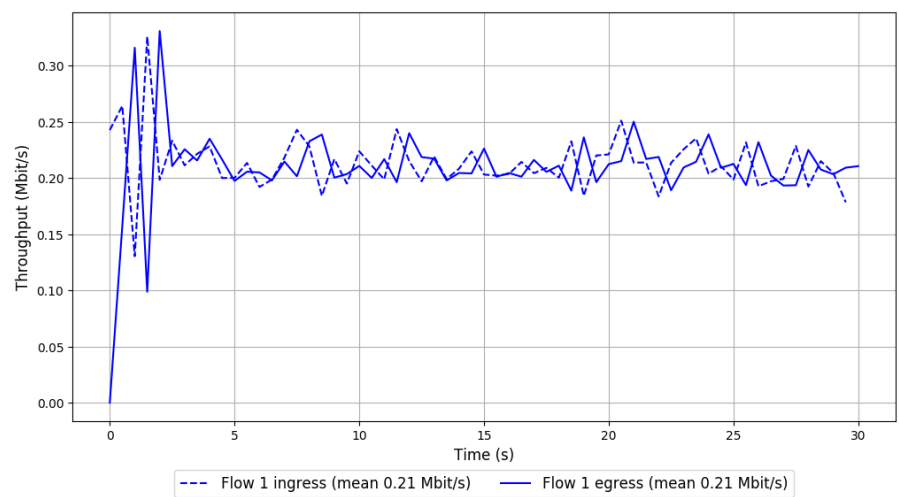
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.924 ms

Loss rate: 0.12%

Run 10: Report of SReAM — Data Link

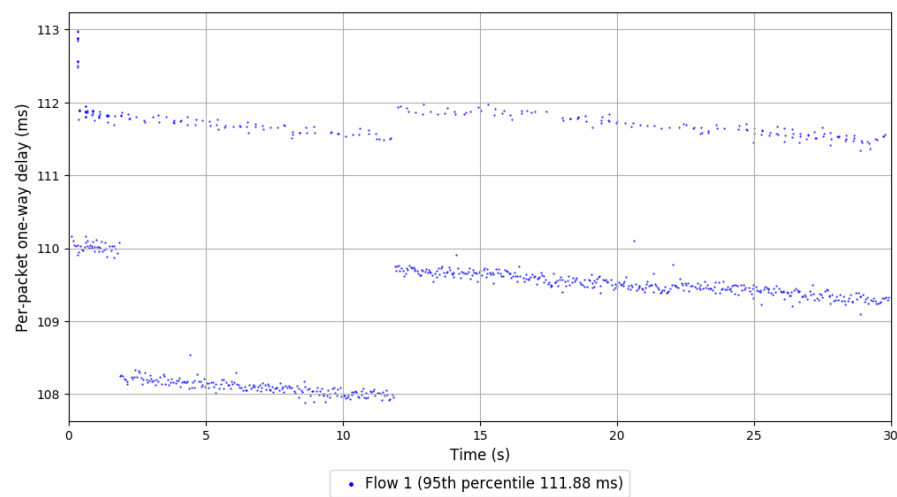
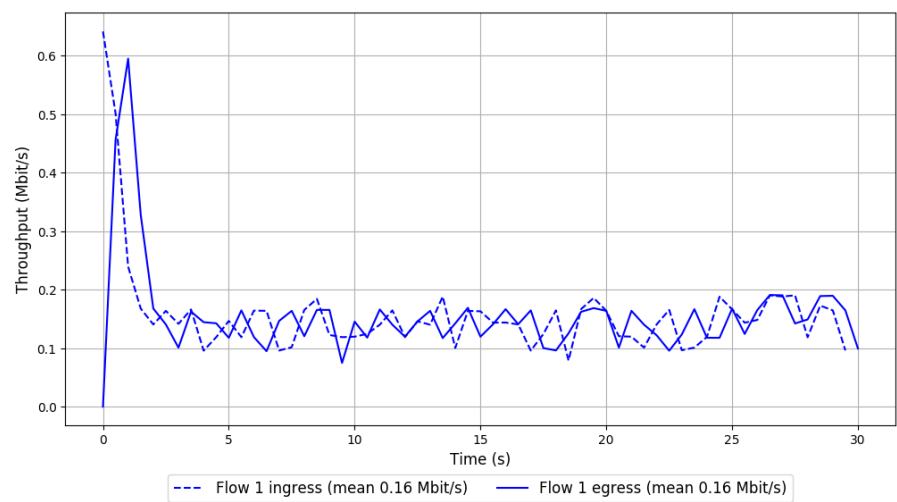


Run 1: Statistics of Sprout

Start at: 2018-05-30 07:34:55
End at: 2018-05-30 07:35:25
Local clock offset: 14.246 ms
Remote clock offset: 35.478 ms

Below is generated by plot.py at 2018-05-30 12:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 111.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 111.876 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

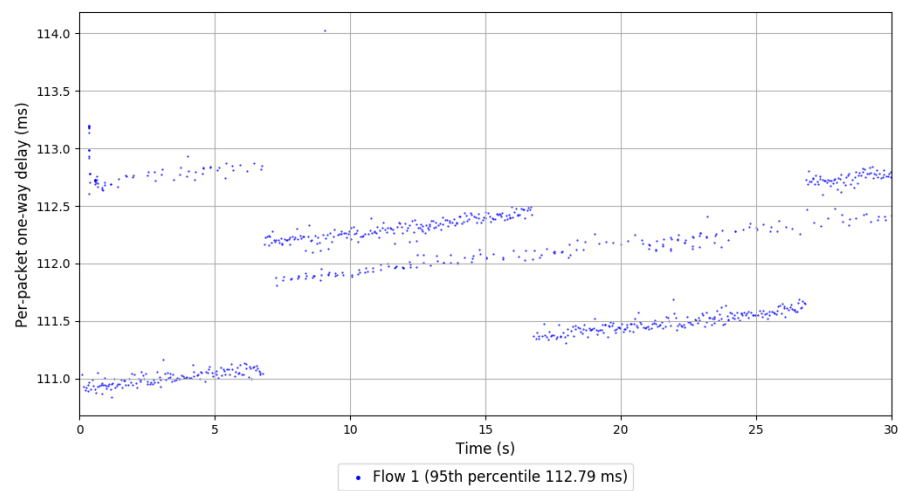
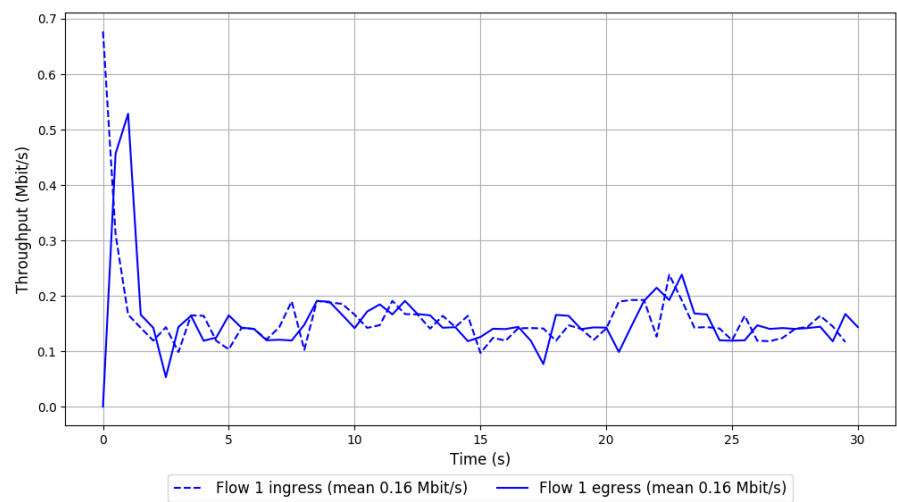


Run 2: Statistics of Sprout

Start at: 2018-05-30 07:55:20
End at: 2018-05-30 07:55:50
Local clock offset: 16.067 ms
Remote clock offset: 16.663 ms

Below is generated by plot.py at 2018-05-30 12:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 112.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 112.792 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

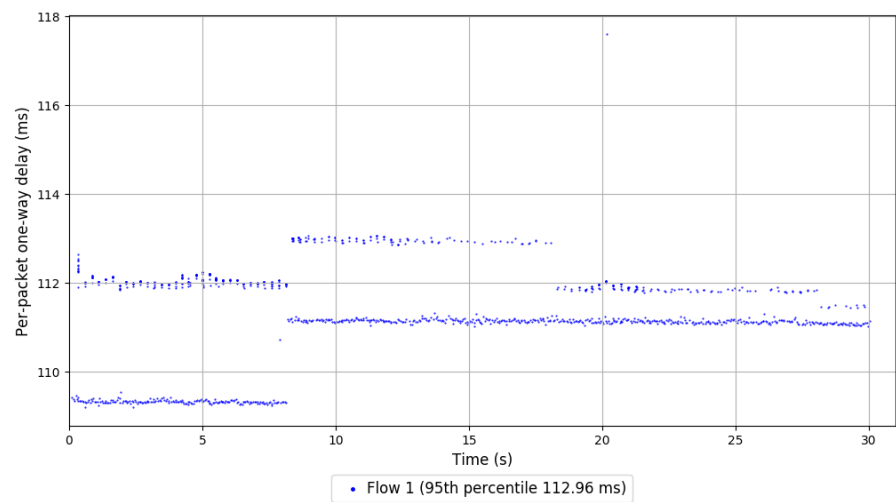
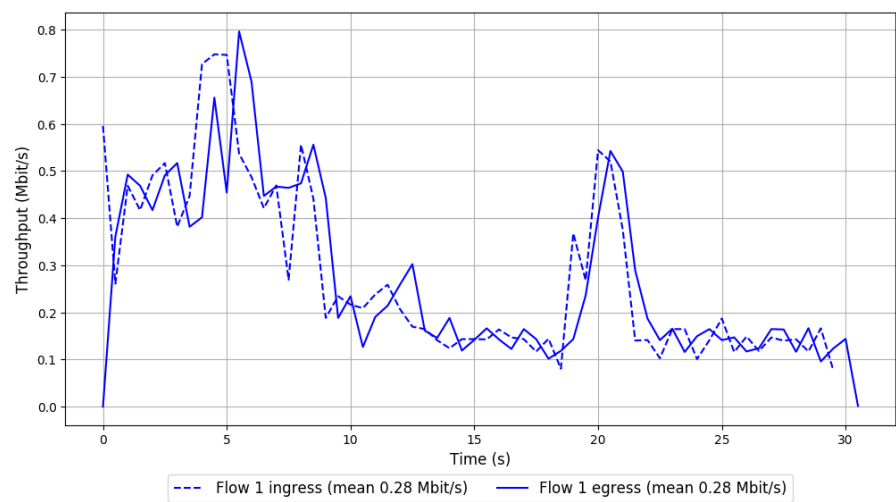


Run 3: Statistics of Sprout

Start at: 2018-05-30 08:16:08
End at: 2018-05-30 08:16:38
Local clock offset: 6.142 ms
Remote clock offset: 12.042 ms

Below is generated by plot.py at 2018-05-30 12:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 112.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 112.956 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-30 08:37:13

End at: 2018-05-30 08:37:43

Local clock offset: 4.38 ms

Remote clock offset: 4.069 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 112.331 ms

Loss rate: 0.00%

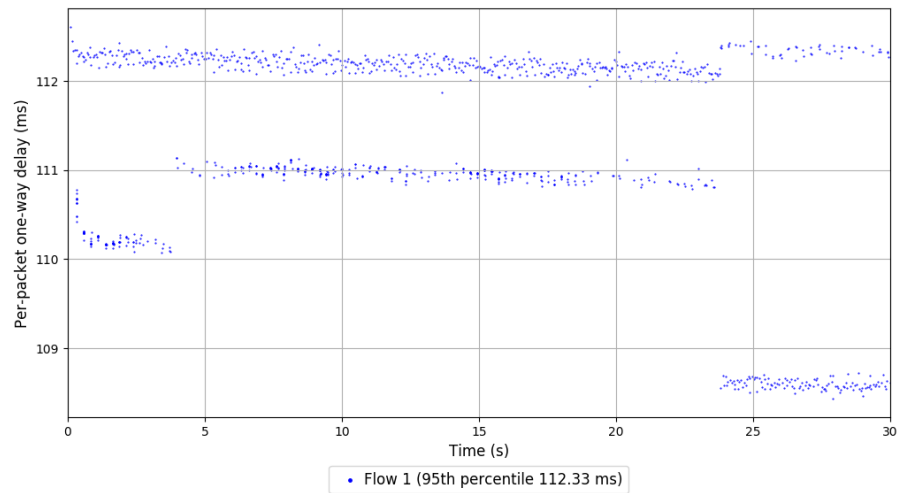
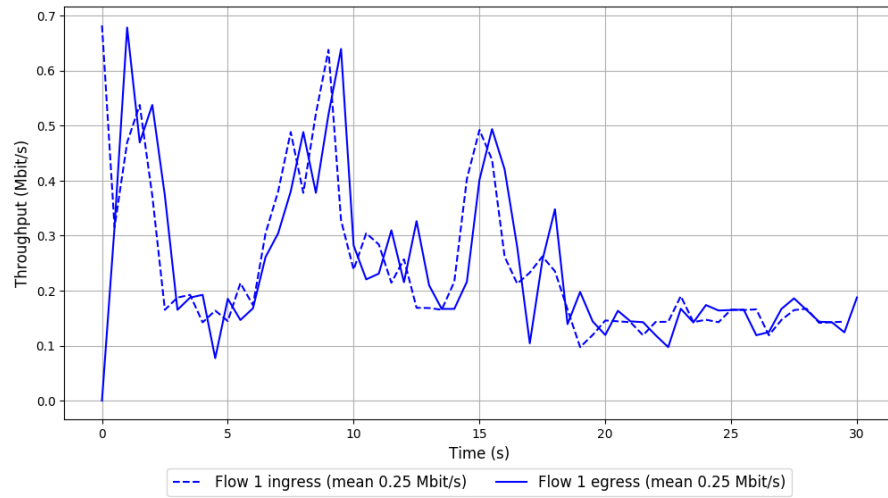
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 112.331 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-30 08:57:43

End at: 2018-05-30 08:58:13

Local clock offset: 1.666 ms

Remote clock offset: 3.254 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.346 ms

Loss rate: 0.00%

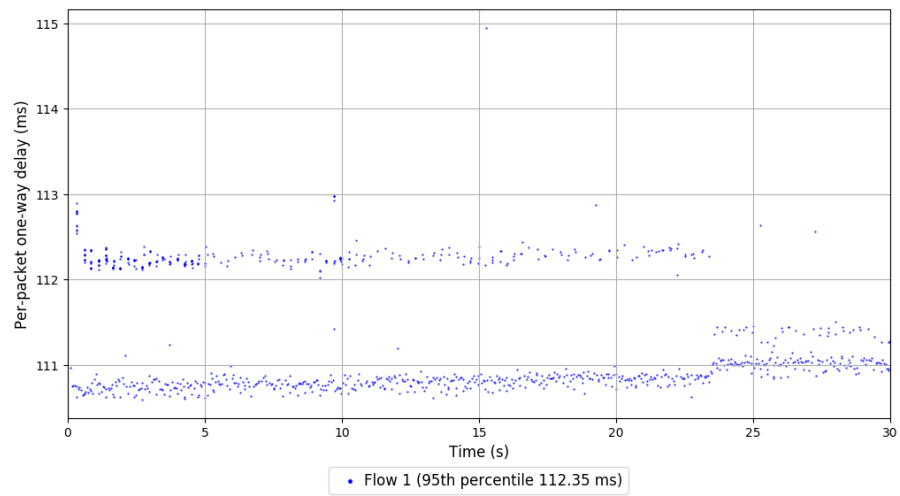
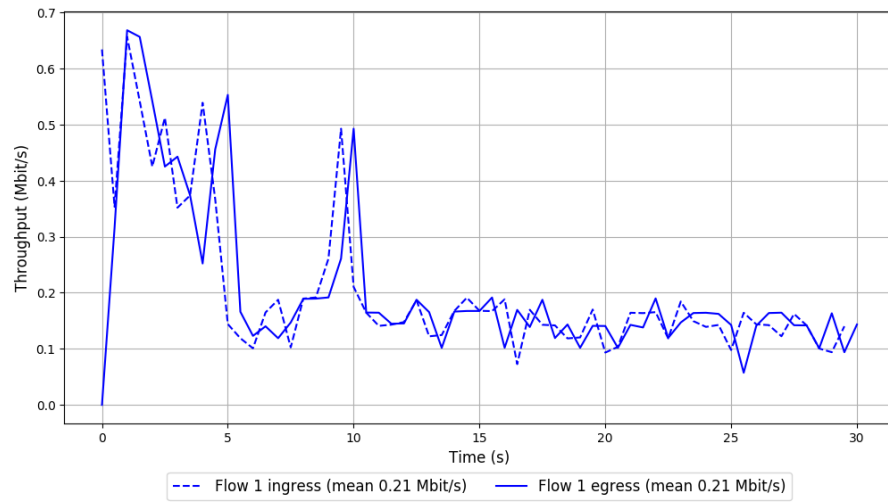
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.346 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-30 09:18:45

End at: 2018-05-30 09:19:15

Local clock offset: 0.471 ms

Remote clock offset: 2.056 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 112.223 ms

Loss rate: 0.00%

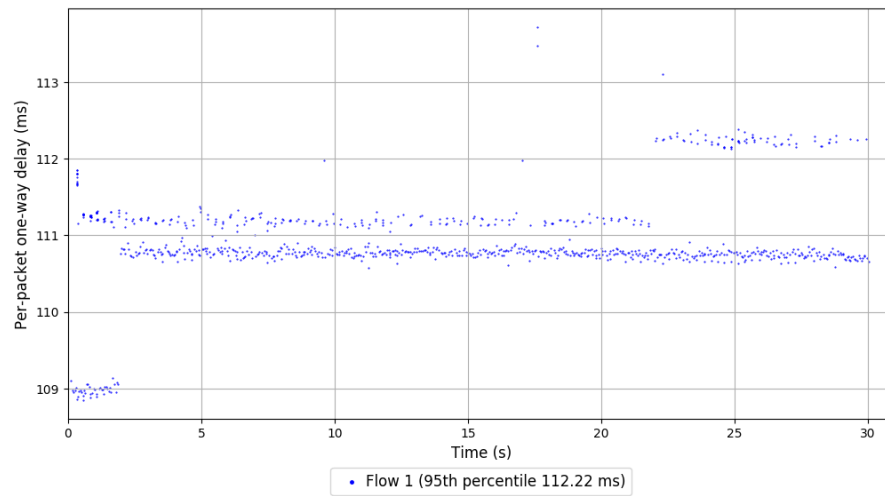
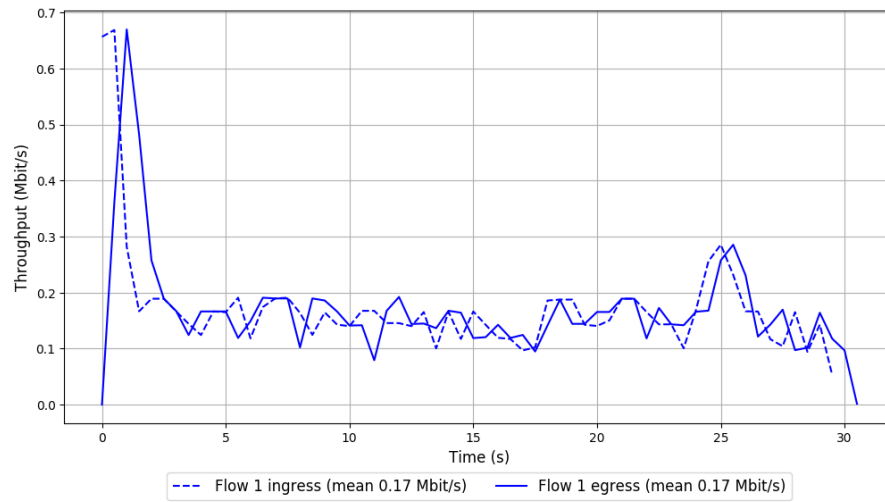
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 112.223 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-05-30 09:39:16

End at: 2018-05-30 09:39:46

Local clock offset: 0.771 ms

Remote clock offset: 0.989 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 112.468 ms

Loss rate: 0.00%

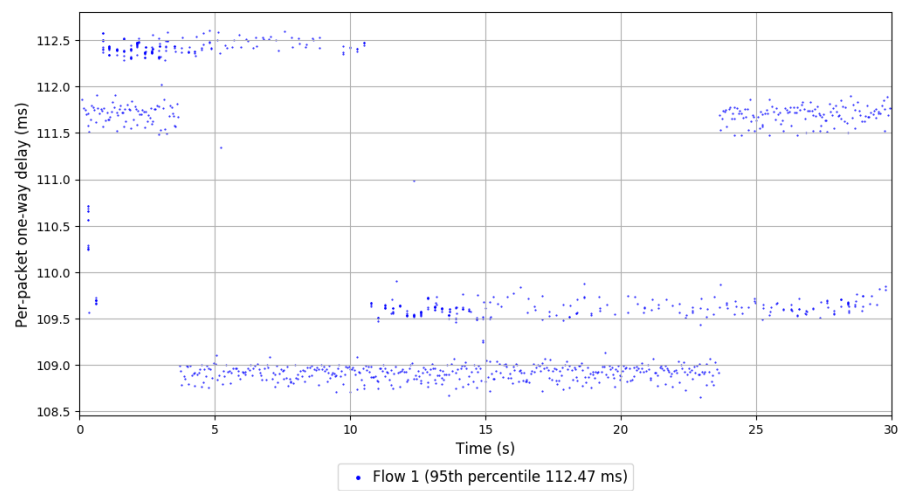
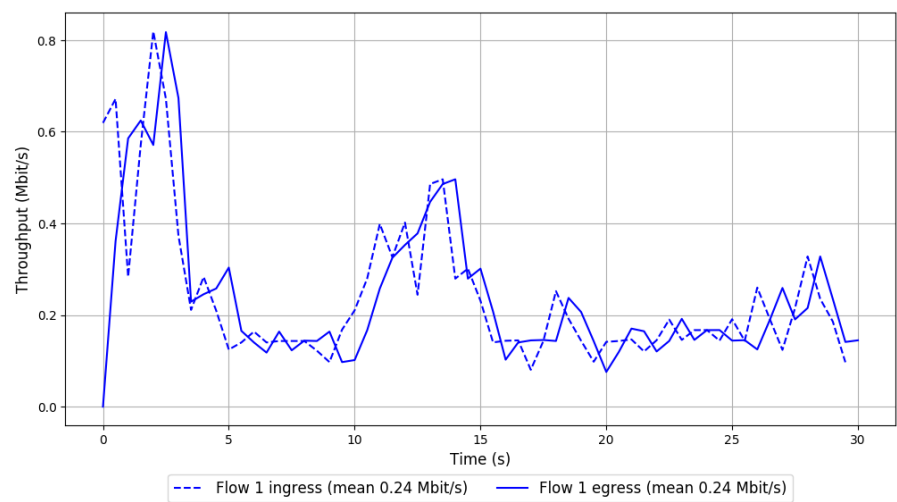
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 112.468 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-30 09:59:57

End at: 2018-05-30 10:00:27

Local clock offset: 1.282 ms

Remote clock offset: 1.206 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 110.948 ms

Loss rate: 0.00%

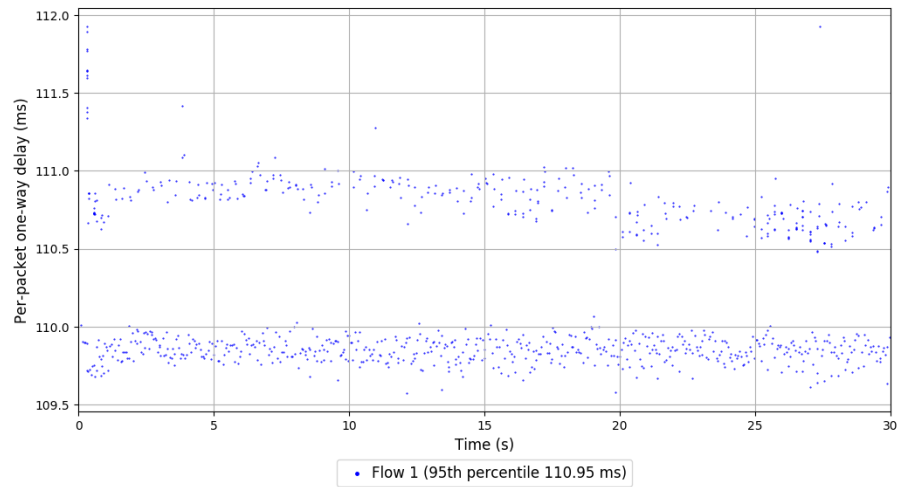
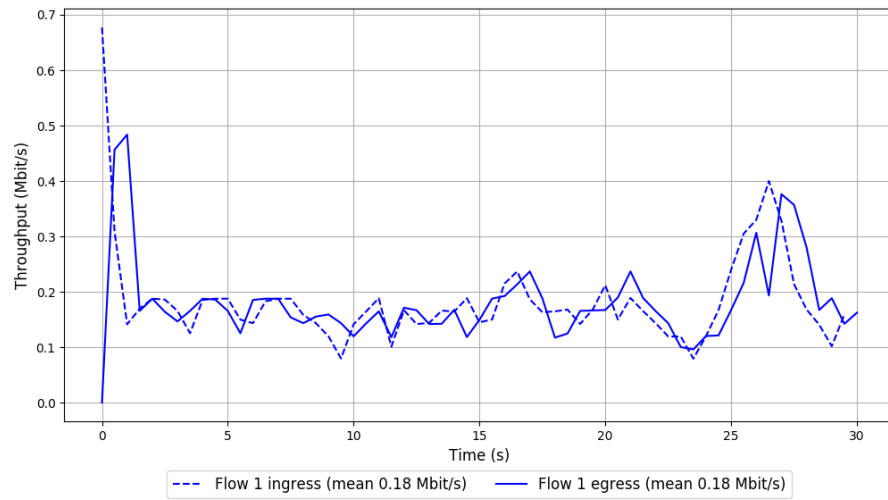
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 110.948 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-30 10:20:55

End at: 2018-05-30 10:21:25

Local clock offset: 0.289 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 113.075 ms

Loss rate: 0.00%

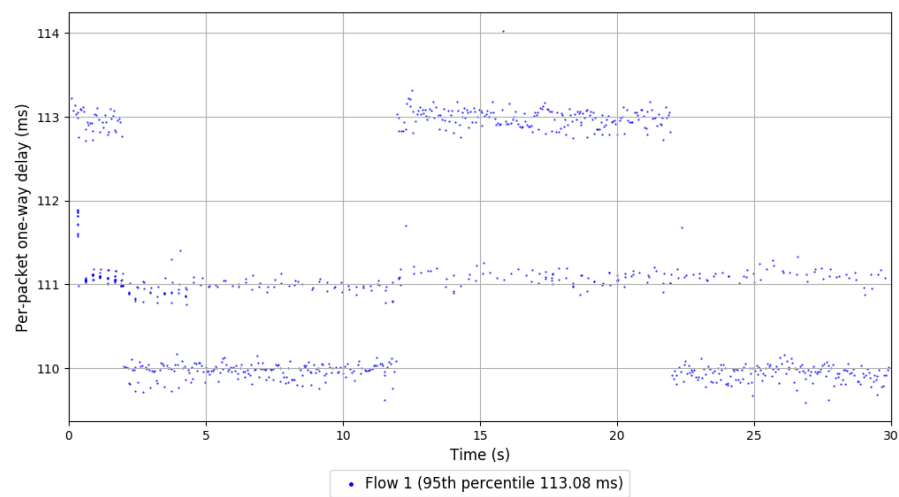
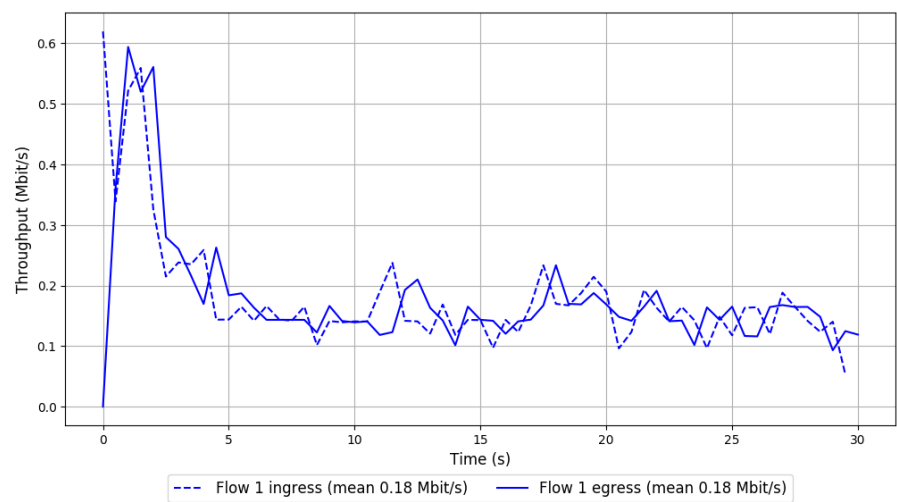
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 113.075 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-30 10:41:26

End at: 2018-05-30 10:41:56

Local clock offset: -0.3 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 113.242 ms

Loss rate: 0.00%

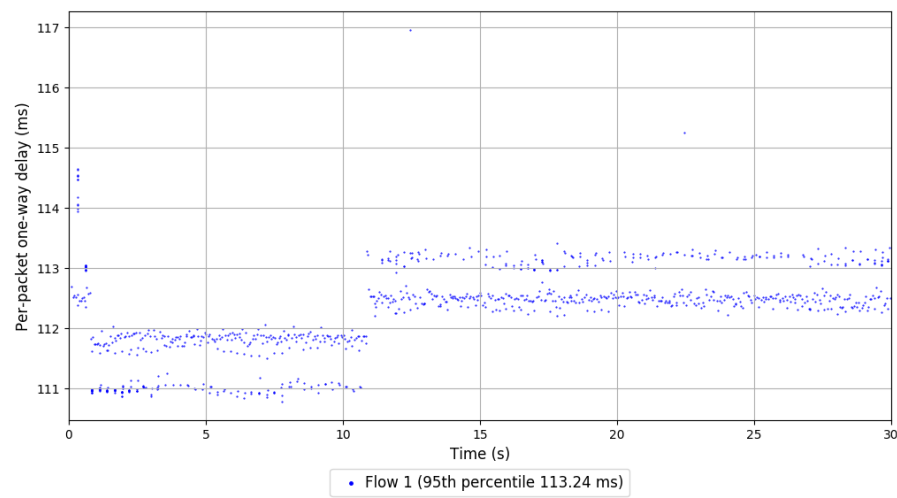
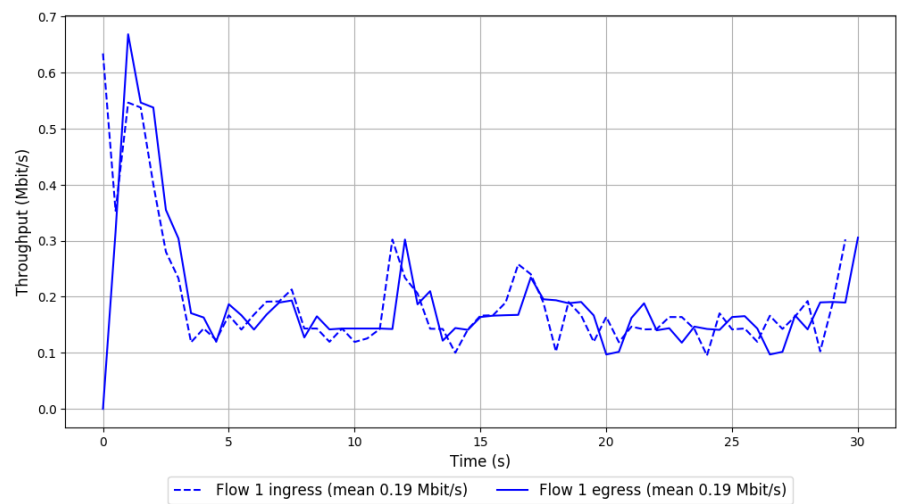
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 113.242 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

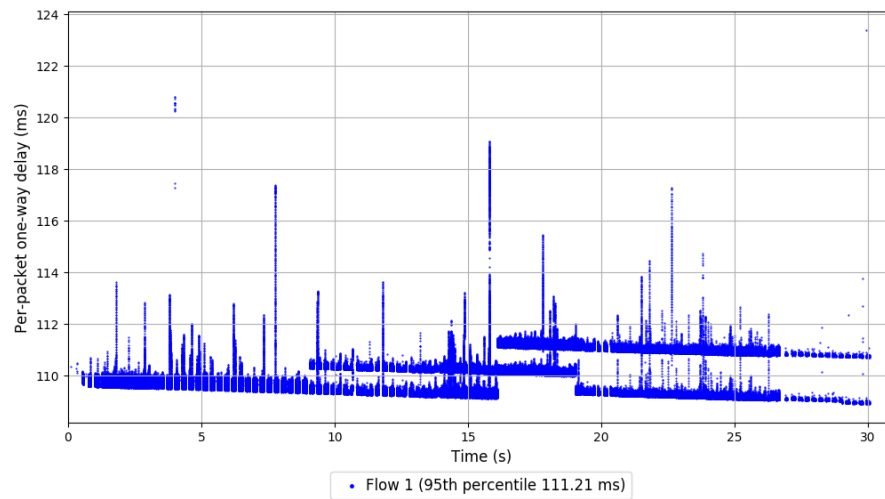
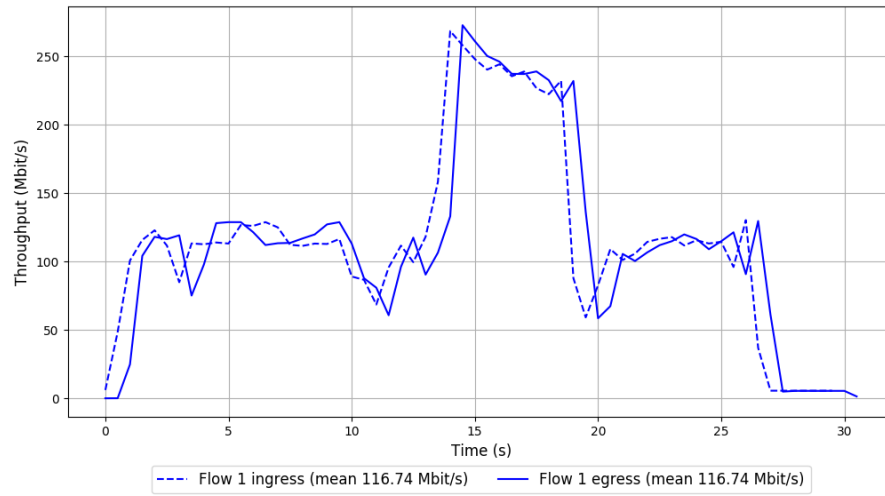


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-30 07:32:21
End at: 2018-05-30 07:32:51
Local clock offset: 16.118 ms
Remote clock offset: 32.806 ms

Below is generated by plot.py at 2018-05-30 12:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.74 Mbit/s
95th percentile per-packet one-way delay: 111.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.74 Mbit/s
95th percentile per-packet one-way delay: 111.208 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-30 07:52:53

End at: 2018-05-30 07:53:23

Local clock offset: 15.327 ms

Remote clock offset: 20.688 ms

Below is generated by plot.py at 2018-05-30 12:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 113.211 ms

Loss rate: 0.00%

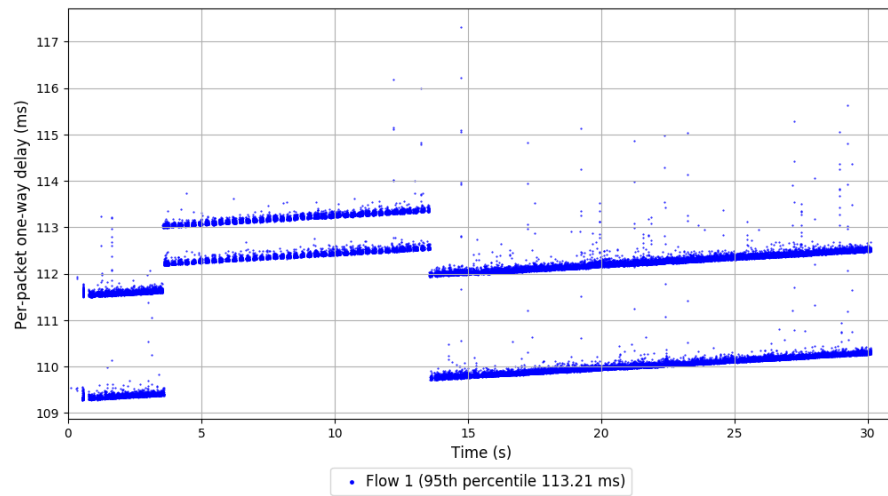
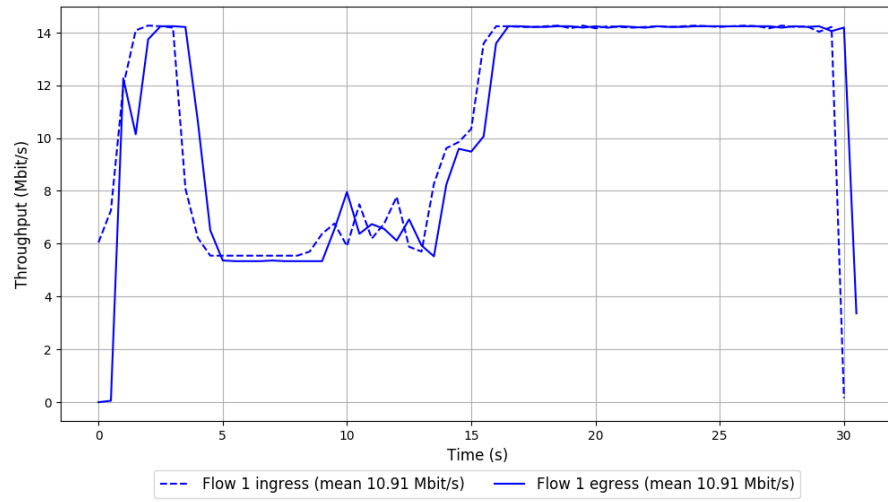
-- Flow 1:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 113.211 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-30 08:13:25

End at: 2018-05-30 08:13:55

Local clock offset: 5.941 ms

Remote clock offset: 10.732 ms

Below is generated by plot.py at 2018-05-30 12:17:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.52 Mbit/s

95th percentile per-packet one-way delay: 112.416 ms

Loss rate: 0.00%

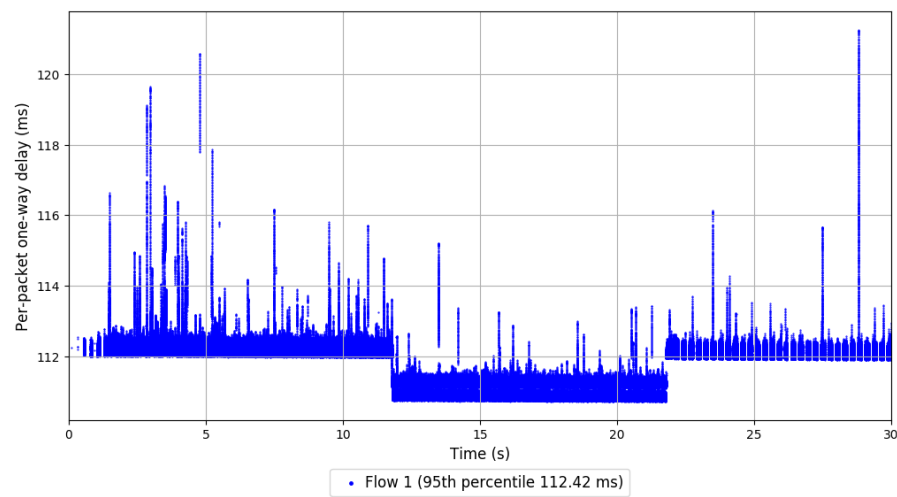
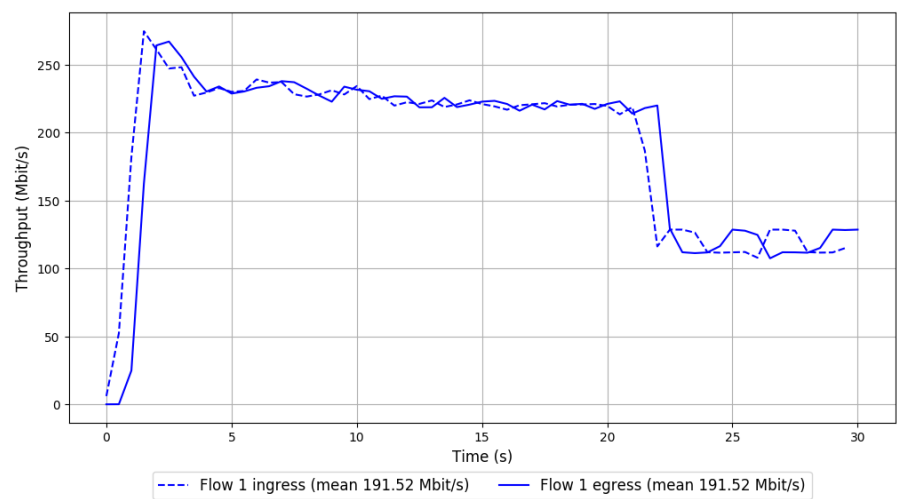
-- Flow 1:

Average throughput: 191.52 Mbit/s

95th percentile per-packet one-way delay: 112.416 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-30 08:34:28

End at: 2018-05-30 08:34:58

Local clock offset: 5.898 ms

Remote clock offset: 4.145 ms

Below is generated by plot.py at 2018-05-30 12:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.08 Mbit/s

95th percentile per-packet one-way delay: 112.303 ms

Loss rate: 0.00%

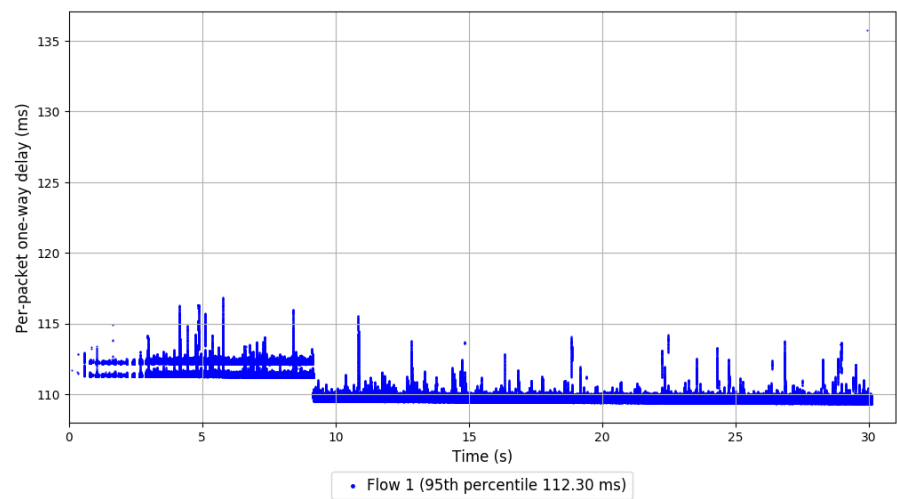
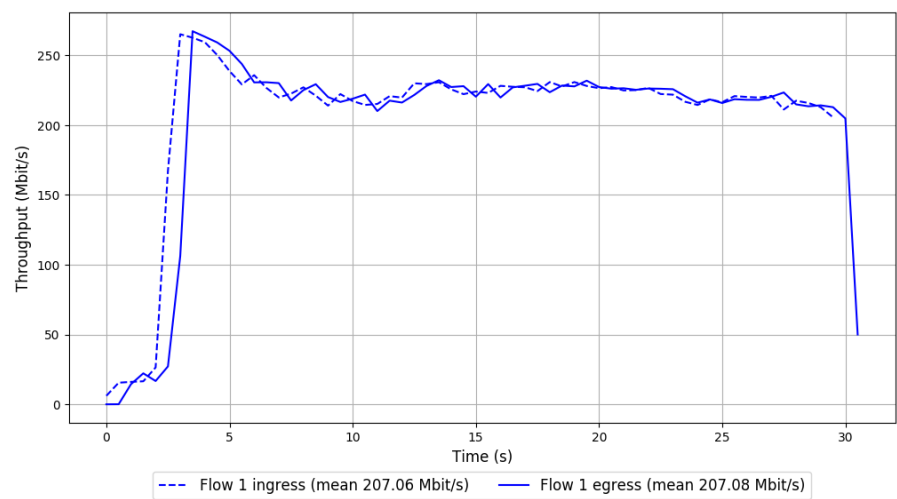
-- Flow 1:

Average throughput: 207.08 Mbit/s

95th percentile per-packet one-way delay: 112.303 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-30 08:55:15

End at: 2018-05-30 08:55:45

Local clock offset: 1.614 ms

Remote clock offset: 4.409 ms

Below is generated by plot.py at 2018-05-30 12:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.68 Mbit/s

95th percentile per-packet one-way delay: 112.622 ms

Loss rate: 0.00%

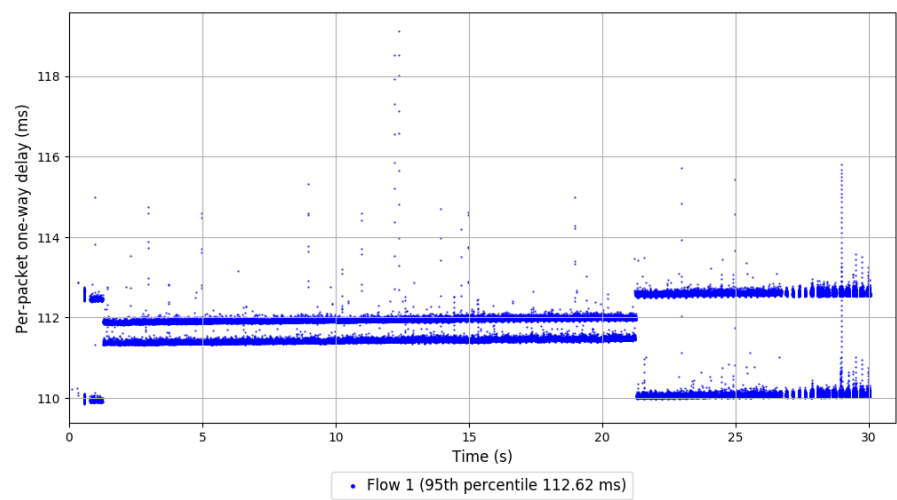
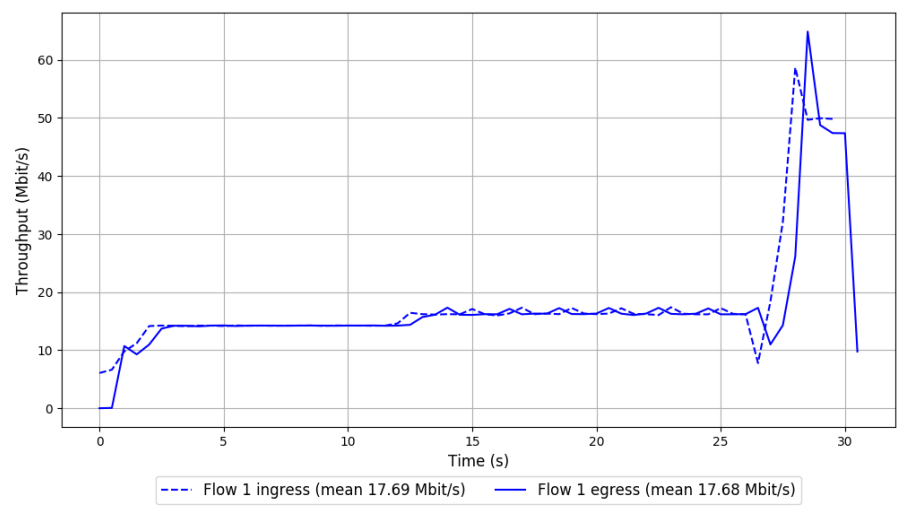
-- Flow 1:

Average throughput: 17.68 Mbit/s

95th percentile per-packet one-way delay: 112.622 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-30 09:16:10

End at: 2018-05-30 09:16:40

Local clock offset: 0.708 ms

Remote clock offset: 1.992 ms

Below is generated by plot.py at 2018-05-30 12:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 112.034 ms

Loss rate: 0.00%

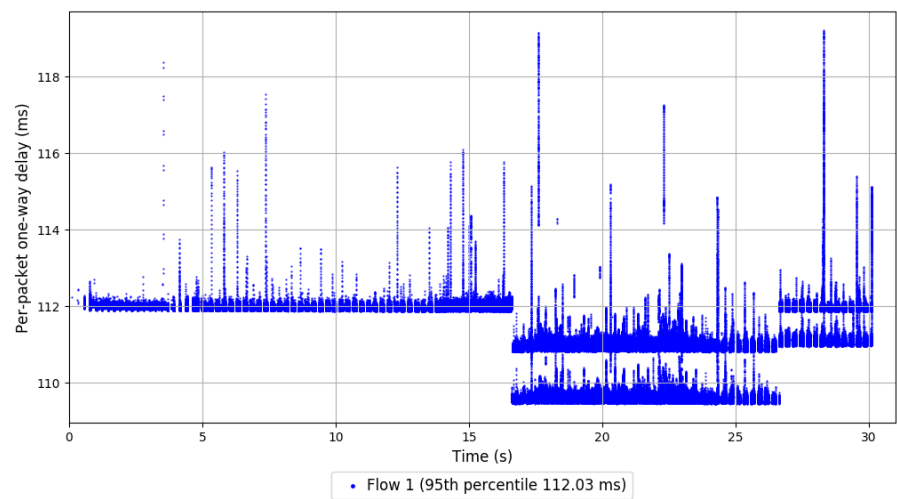
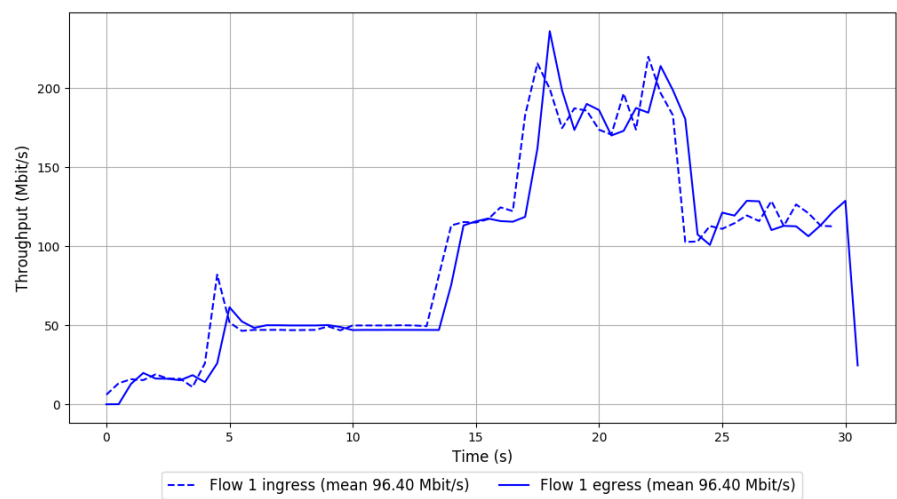
-- Flow 1:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 112.034 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-30 09:36:49

End at: 2018-05-30 09:37:19

Local clock offset: 0.573 ms

Remote clock offset: 1.514 ms

Below is generated by plot.py at 2018-05-30 12:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 112.868 ms

Loss rate: 0.00%

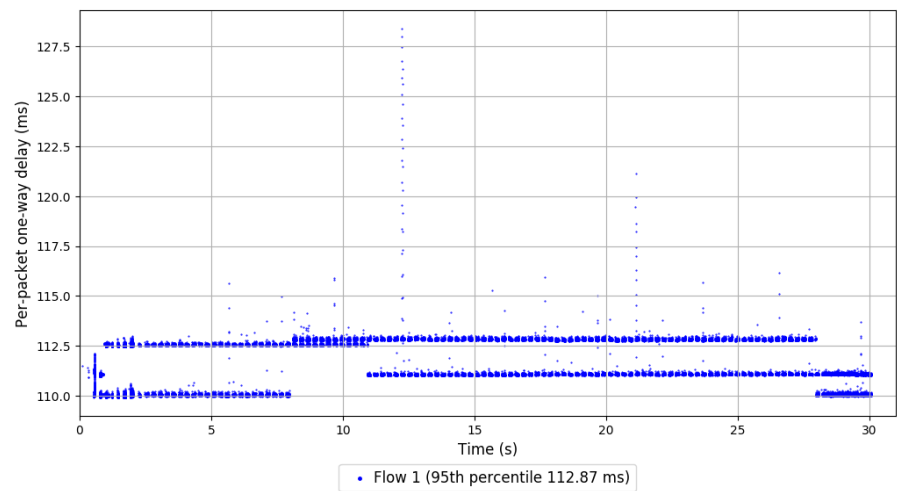
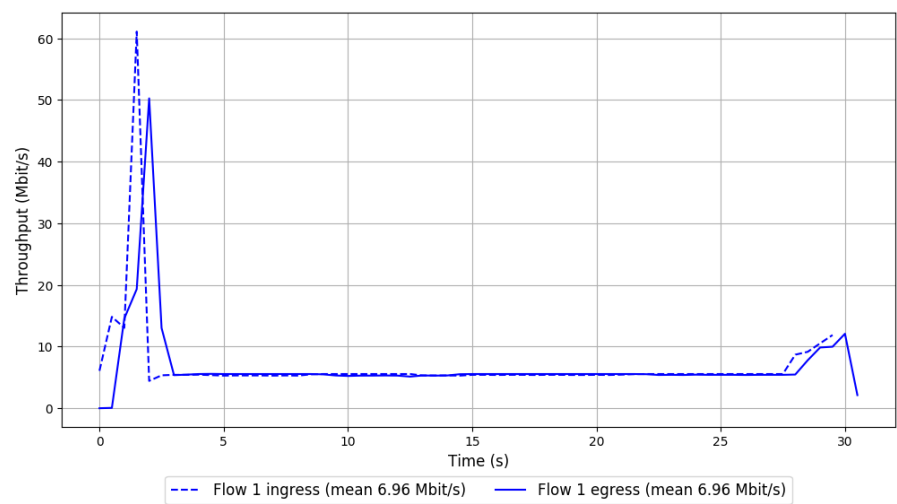
-- Flow 1:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 112.868 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-30 09:57:05

End at: 2018-05-30 09:57:35

Local clock offset: 0.984 ms

Remote clock offset: 1.119 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.98 Mbit/s

95th percentile per-packet one-way delay: 111.721 ms

Loss rate: 0.00%

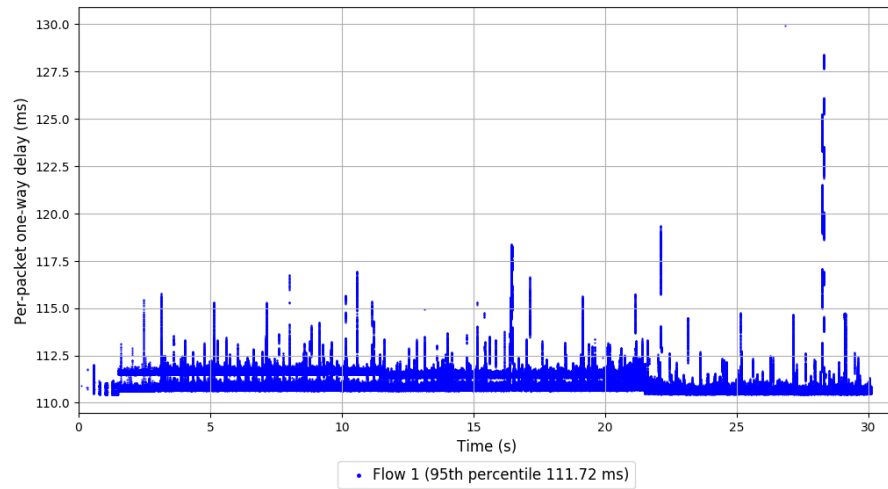
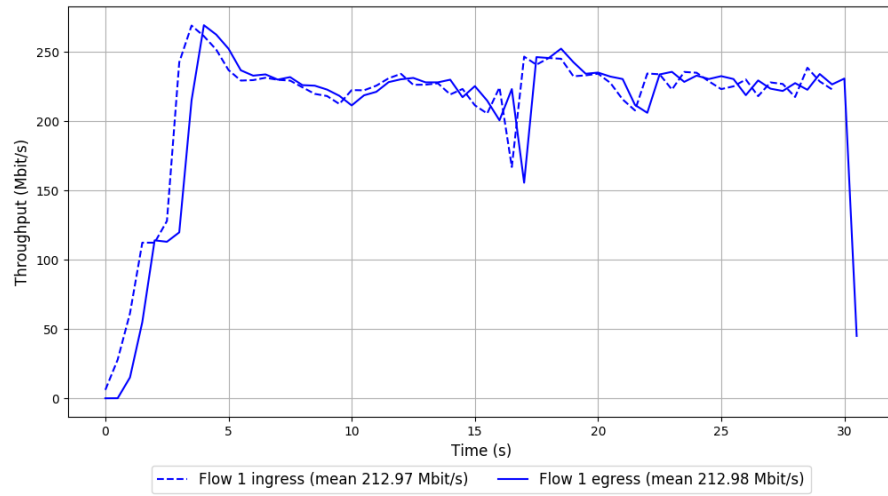
-- Flow 1:

Average throughput: 212.98 Mbit/s

95th percentile per-packet one-way delay: 111.721 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-30 10:18:07

End at: 2018-05-30 10:18:37

Local clock offset: 0.829 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.84 Mbit/s

95th percentile per-packet one-way delay: 112.097 ms

Loss rate: 0.00%

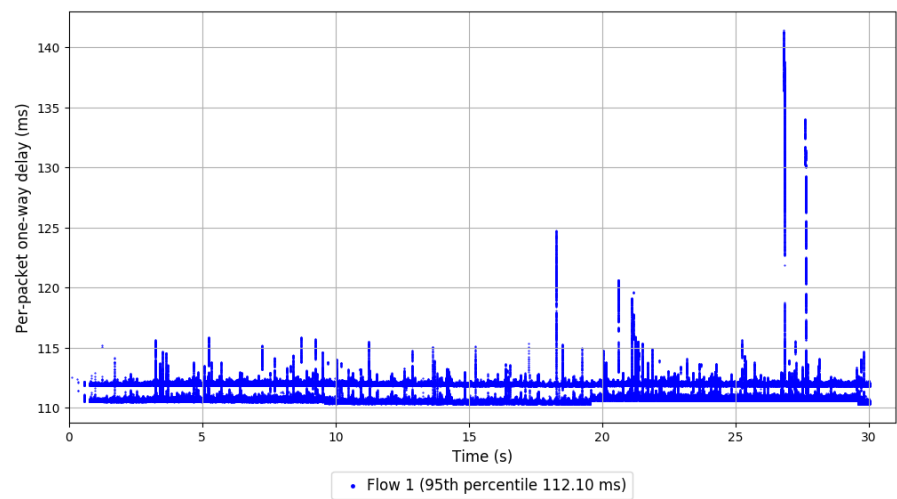
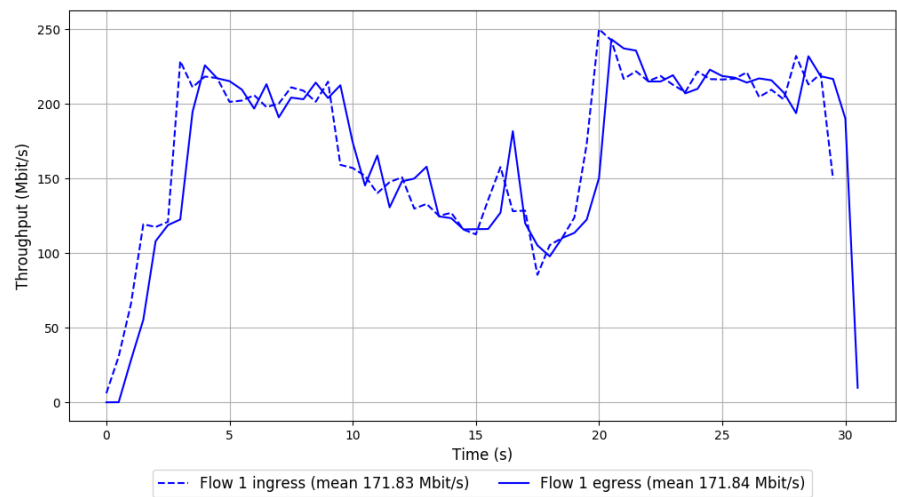
-- Flow 1:

Average throughput: 171.84 Mbit/s

95th percentile per-packet one-way delay: 112.097 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-30 10:38:44

End at: 2018-05-30 10:39:14

Local clock offset: -0.45 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.41 Mbit/s

95th percentile per-packet one-way delay: 111.253 ms

Loss rate: 0.00%

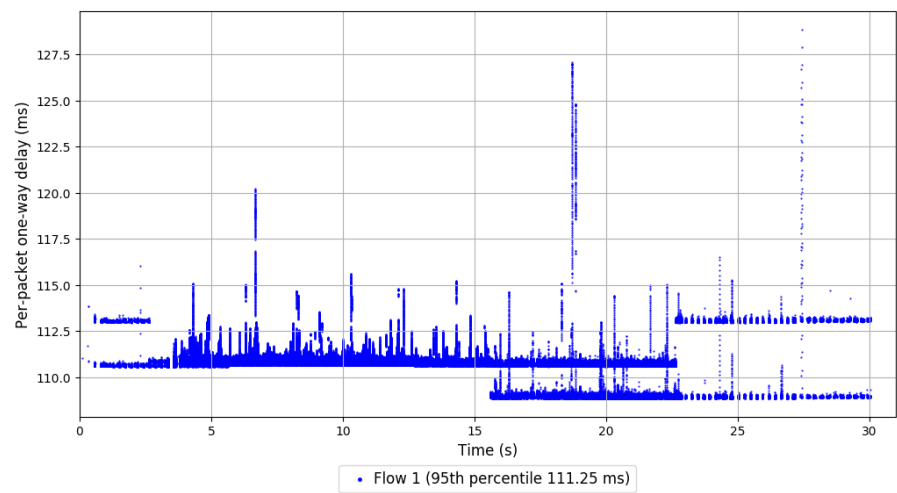
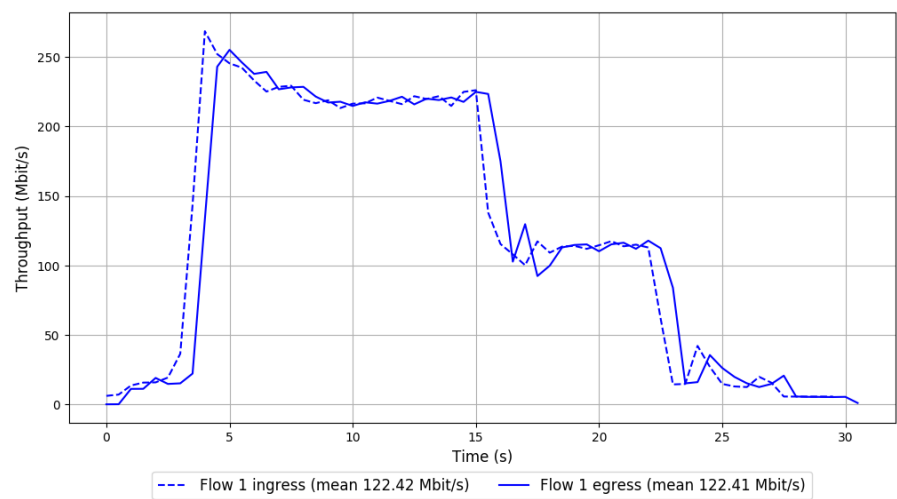
-- Flow 1:

Average throughput: 122.41 Mbit/s

95th percentile per-packet one-way delay: 111.253 ms

Loss rate: 0.00%

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

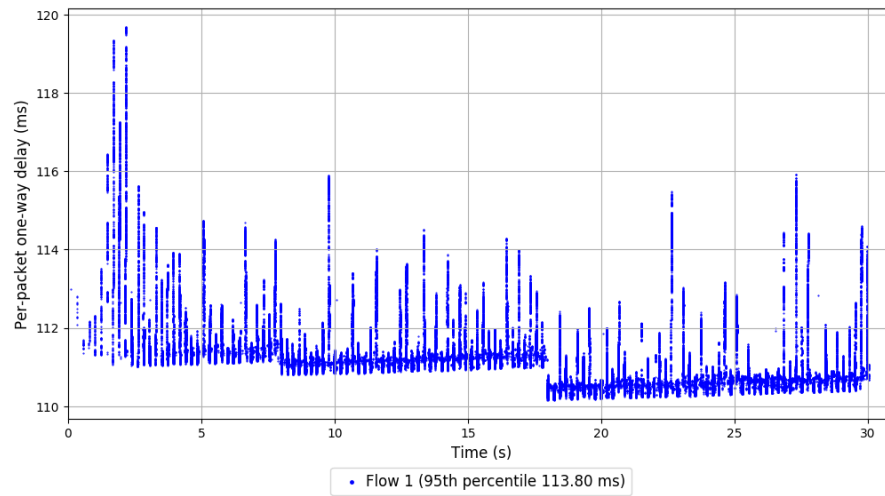
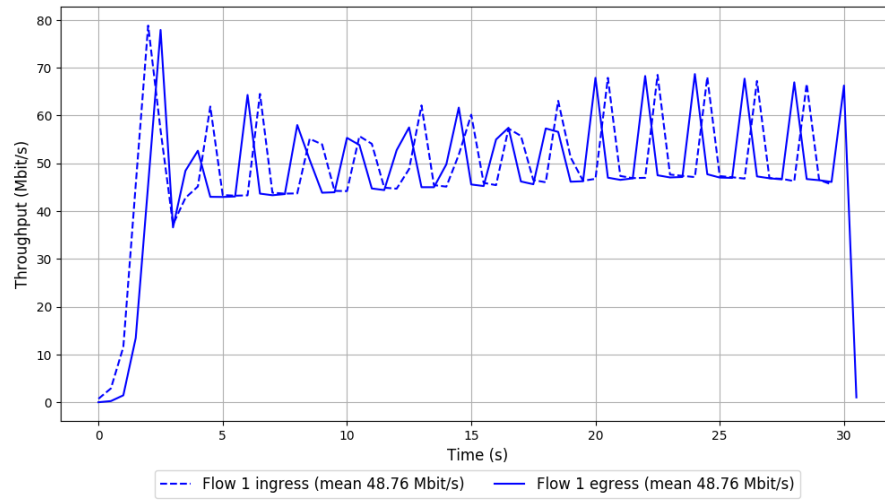


Run 1: Statistics of TCP Vegas

Start at: 2018-05-30 07:16:29
End at: 2018-05-30 07:16:59
Local clock offset: 27.319 ms
Remote clock offset: 24.229 ms

Below is generated by plot.py at 2018-05-30 12:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 113.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 113.800 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

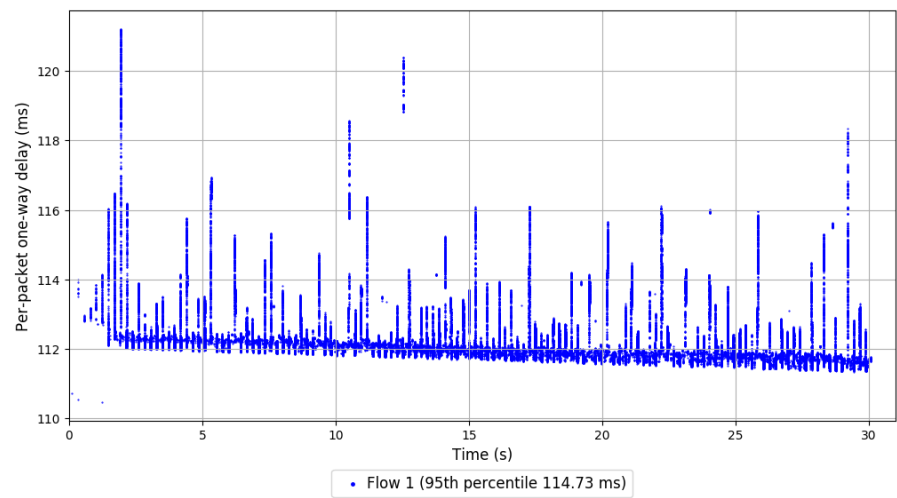
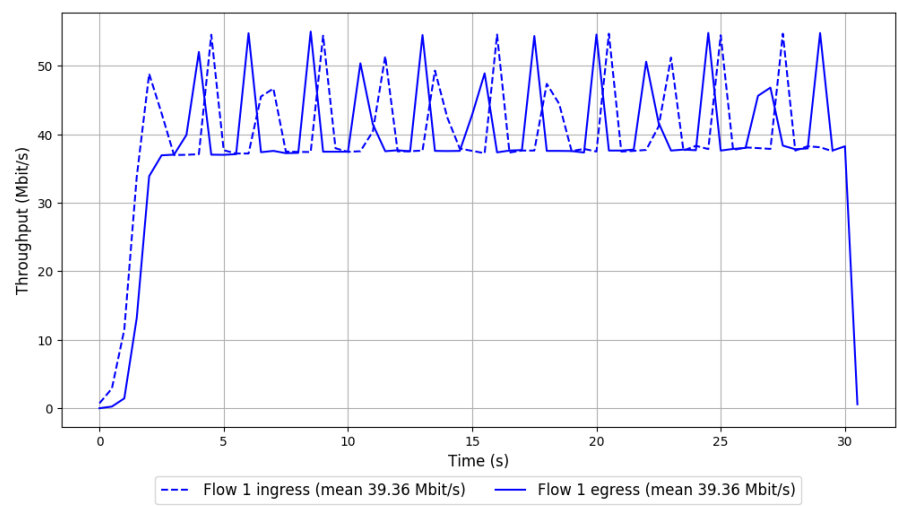


Run 2: Statistics of TCP Vegas

Start at: 2018-05-30 07:37:15
End at: 2018-05-30 07:37:45
Local clock offset: 13.275 ms
Remote clock offset: 38.616 ms

Below is generated by plot.py at 2018-05-30 12:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 114.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 114.731 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-30 07:57:40

End at: 2018-05-30 07:58:10

Local clock offset: 16.531 ms

Remote clock offset: 14.41 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.08 Mbit/s

95th percentile per-packet one-way delay: 113.254 ms

Loss rate: 0.00%

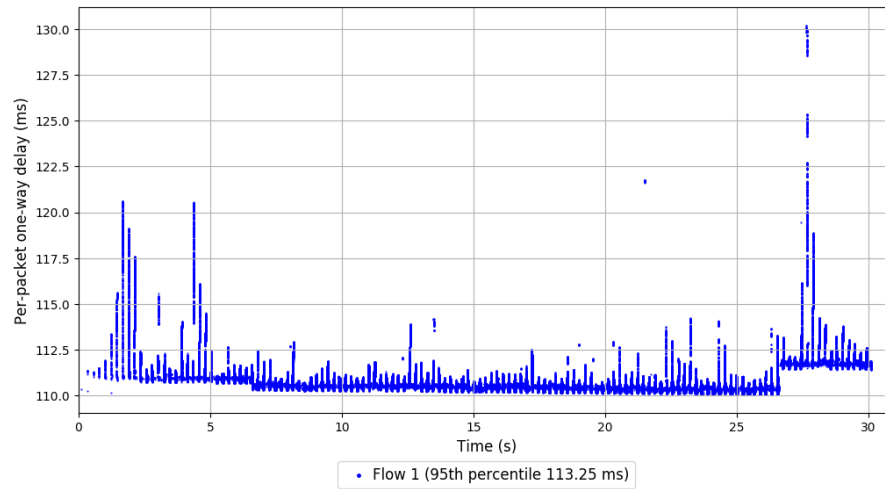
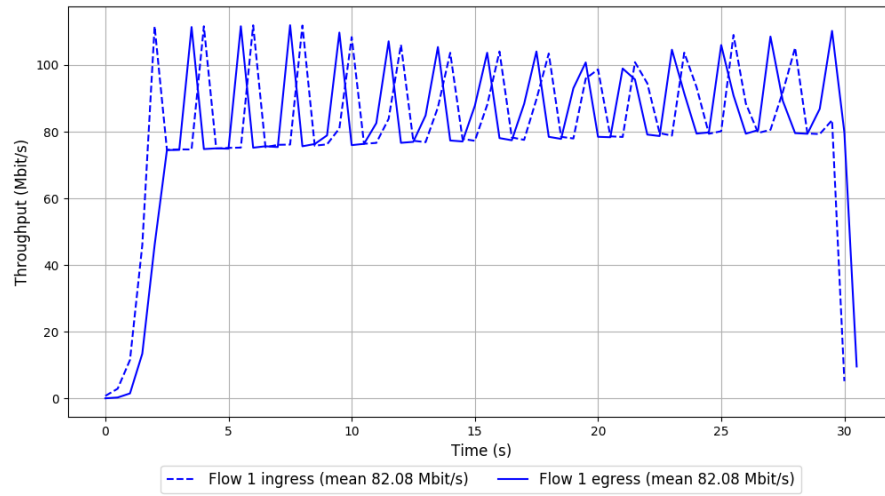
-- Flow 1:

Average throughput: 82.08 Mbit/s

95th percentile per-packet one-way delay: 113.254 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

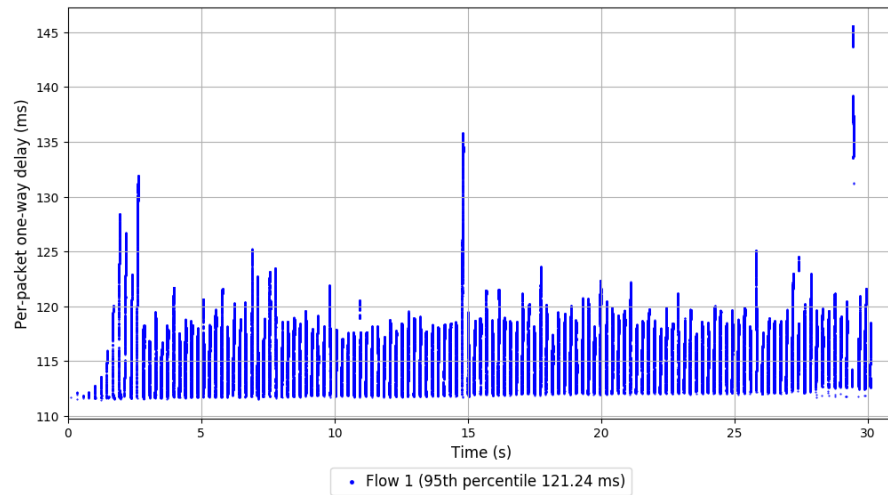
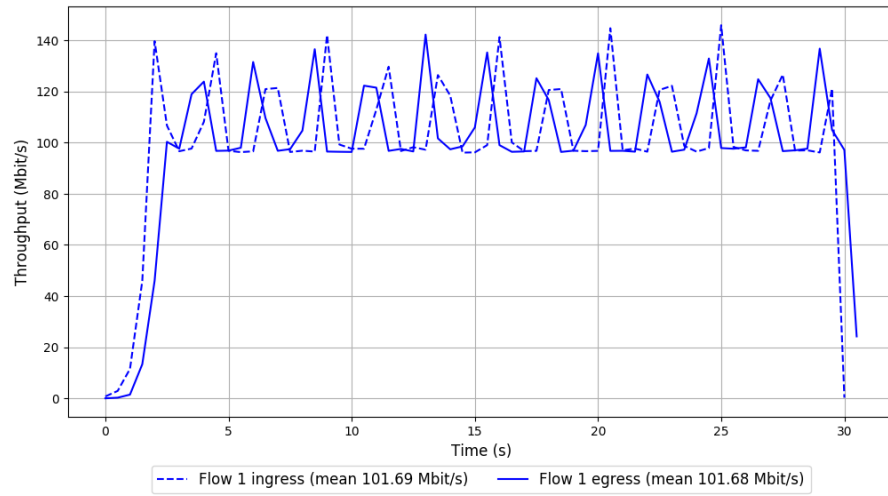


Run 4: Statistics of TCP Vegas

Start at: 2018-05-30 08:18:29
End at: 2018-05-30 08:18:59
Local clock offset: 6.213 ms
Remote clock offset: 12.407 ms

Below is generated by plot.py at 2018-05-30 12:19:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.68 Mbit/s
95th percentile per-packet one-way delay: 121.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.68 Mbit/s
95th percentile per-packet one-way delay: 121.240 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-30 08:39:33

End at: 2018-05-30 08:40:03

Local clock offset: 3.418 ms

Remote clock offset: 4.083 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 113.772 ms

Loss rate: 0.00%

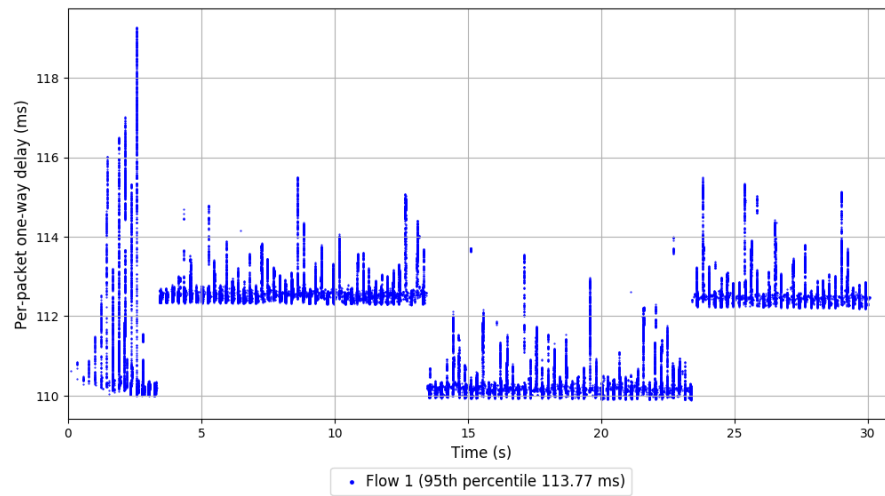
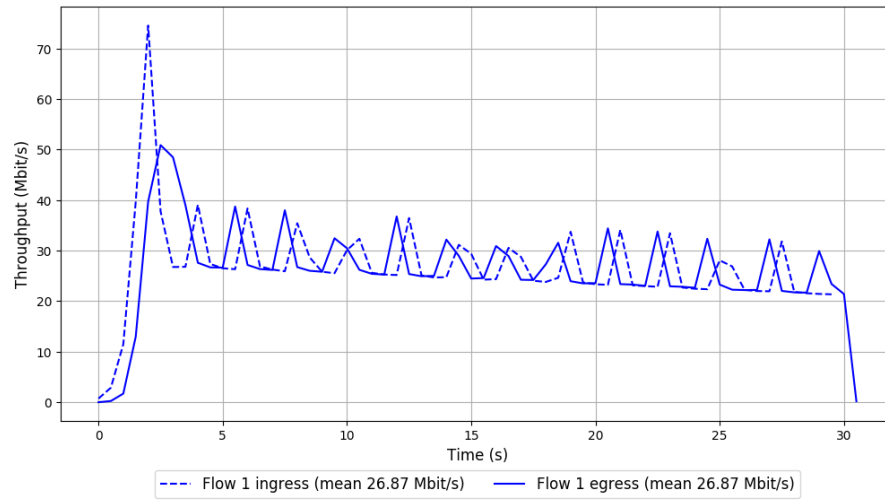
-- Flow 1:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 113.772 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-30 09:00:04

End at: 2018-05-30 09:00:34

Local clock offset: 1.802 ms

Remote clock offset: 2.694 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.02 Mbit/s

95th percentile per-packet one-way delay: 120.080 ms

Loss rate: 0.00%

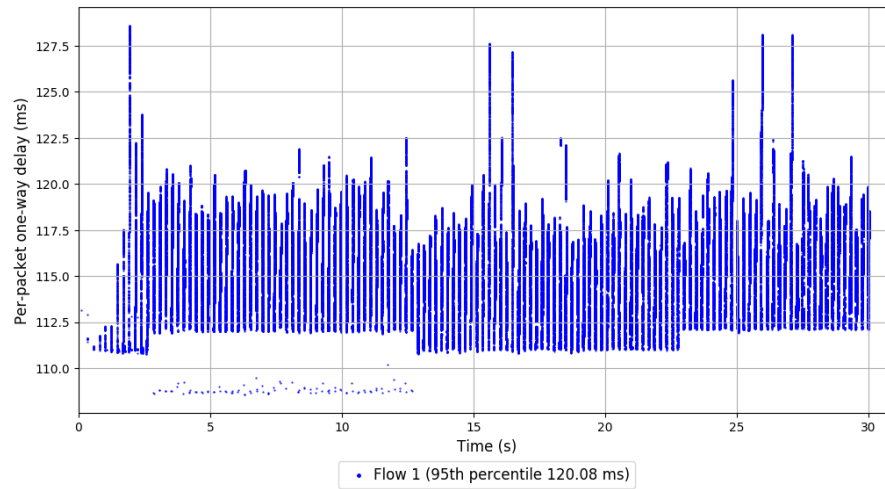
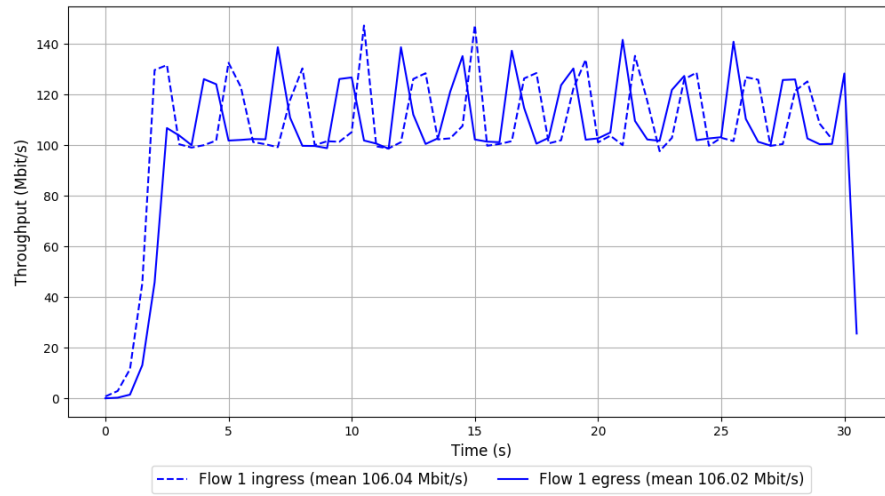
-- Flow 1:

Average throughput: 106.02 Mbit/s

95th percentile per-packet one-way delay: 120.080 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-30 09:21:05

End at: 2018-05-30 09:21:35

Local clock offset: 0.305 ms

Remote clock offset: 2.161 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.44 Mbit/s

95th percentile per-packet one-way delay: 114.906 ms

Loss rate: 0.00%

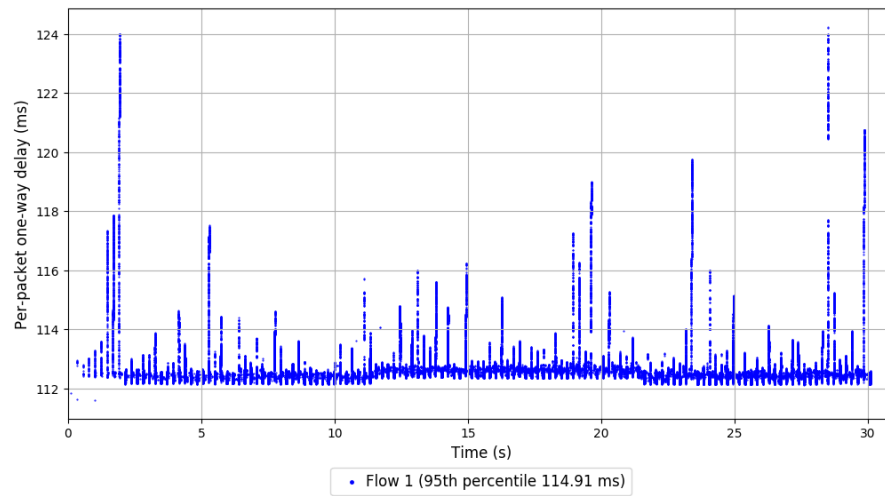
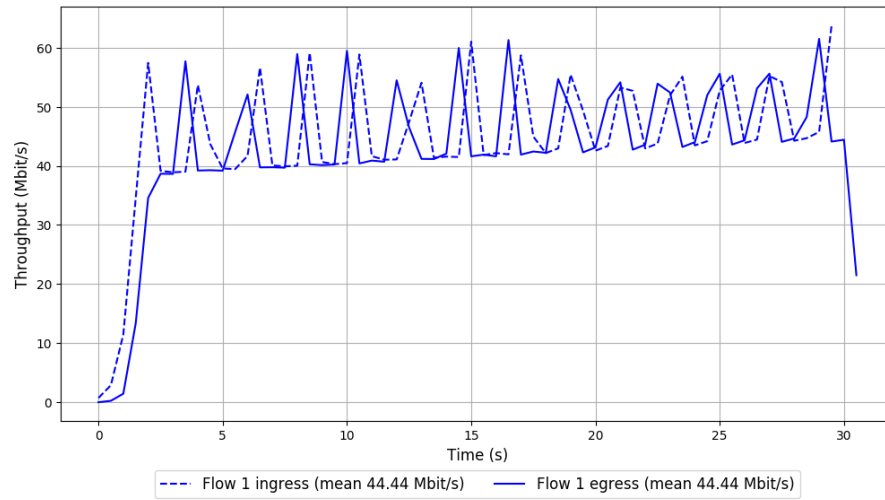
-- Flow 1:

Average throughput: 44.44 Mbit/s

95th percentile per-packet one-way delay: 114.906 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-30 09:41:37

End at: 2018-05-30 09:42:07

Local clock offset: 0.695 ms

Remote clock offset: 0.967 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 115.662 ms

Loss rate: 0.00%

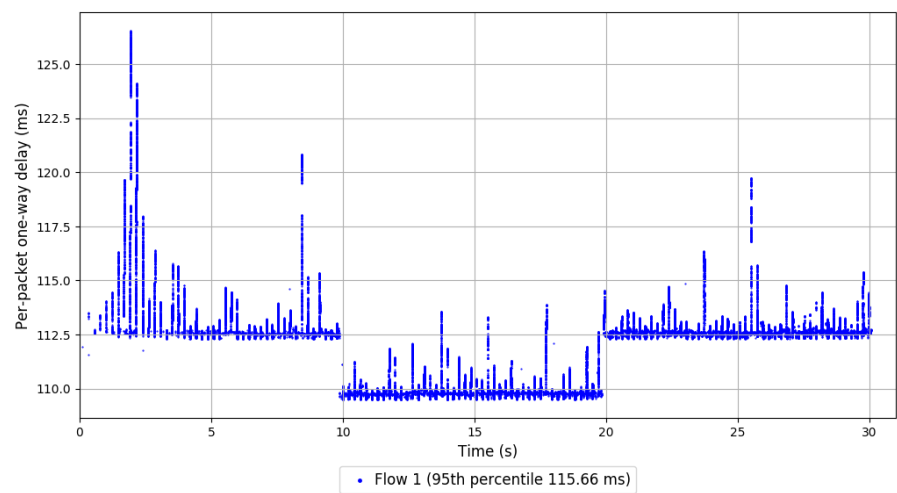
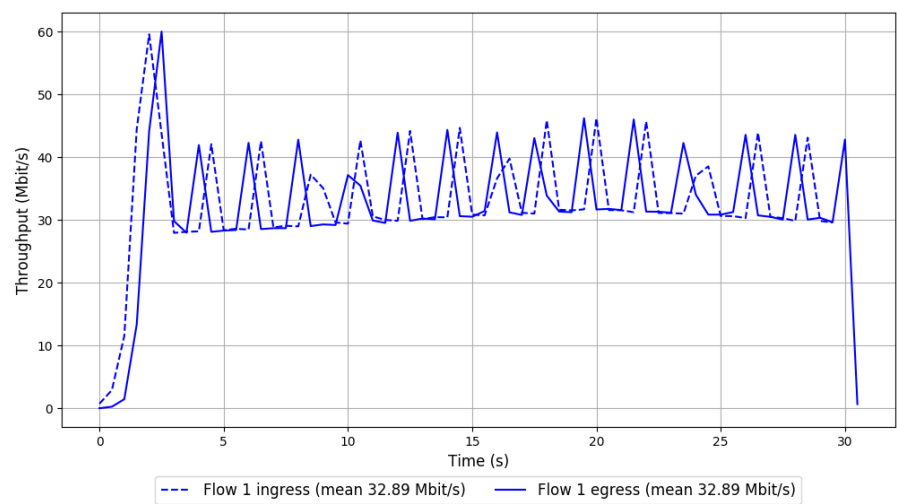
-- Flow 1:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 115.662 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-30 10:02:19

End at: 2018-05-30 10:02:49

Local clock offset: 0.99 ms

Remote clock offset: 0.668 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 112.797 ms

Loss rate: 0.00%

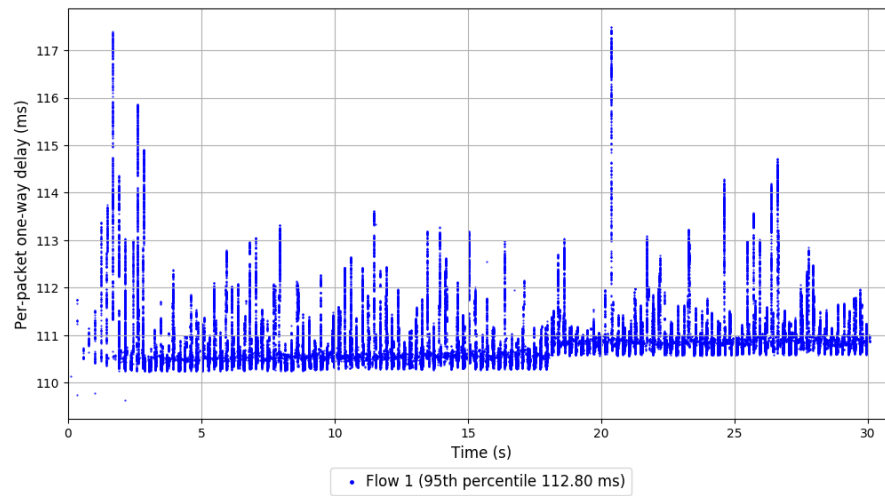
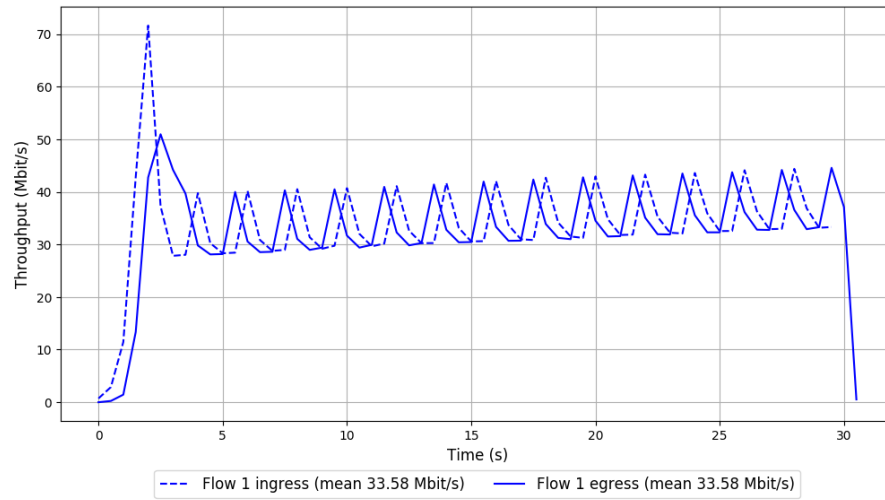
-- Flow 1:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 112.797 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-30 10:23:16

End at: 2018-05-30 10:23:46

Local clock offset: 0.291 ms

Remote clock offset: 0.6 ms

Below is generated by plot.py at 2018-05-30 12:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 113.576 ms

Loss rate: 0.00%

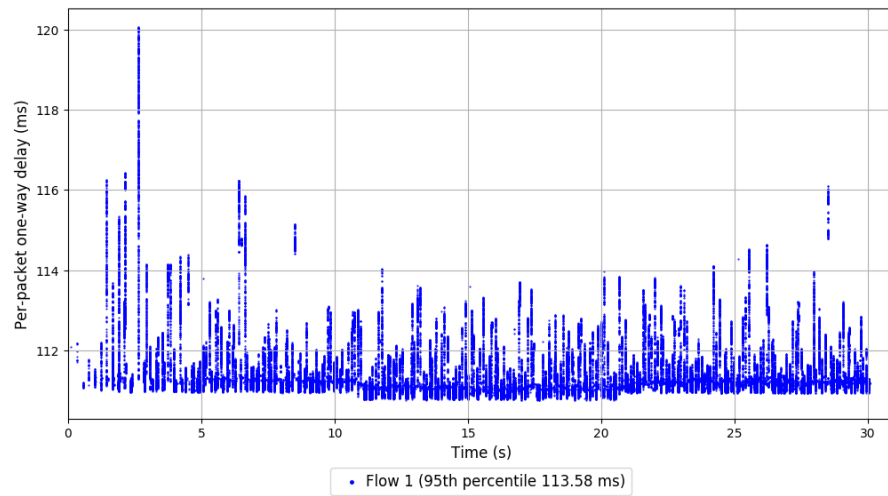
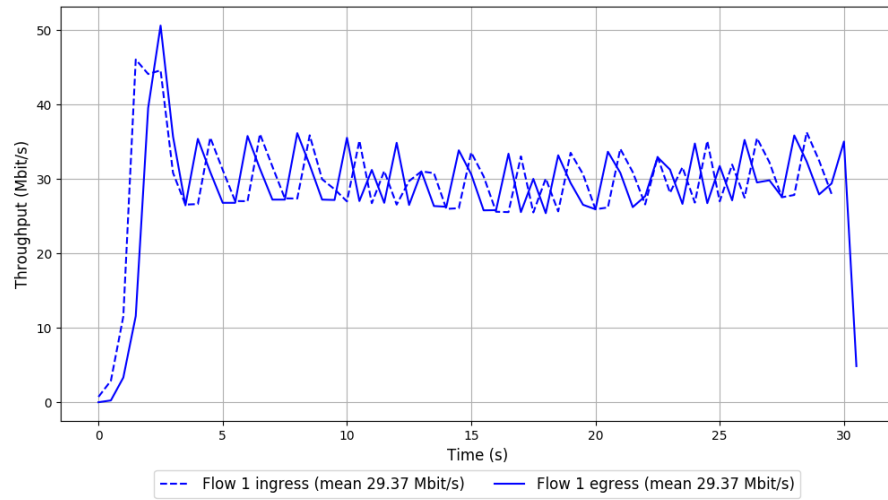
-- Flow 1:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 113.576 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

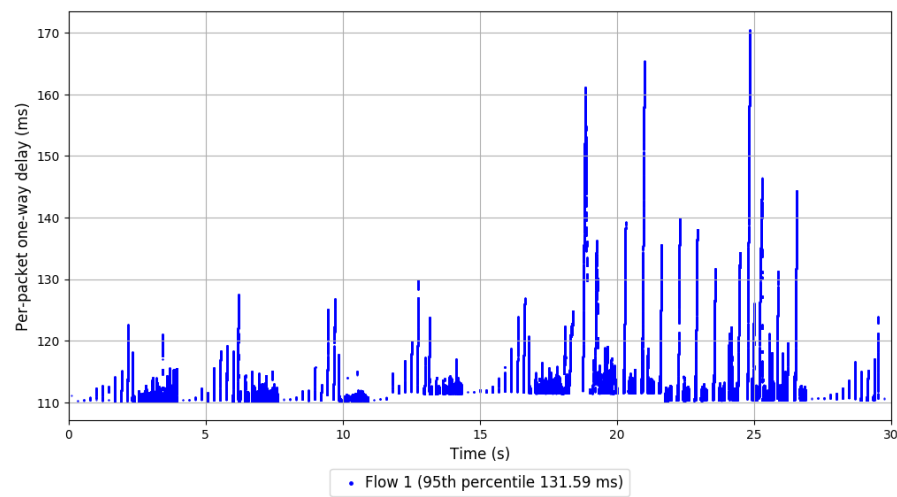
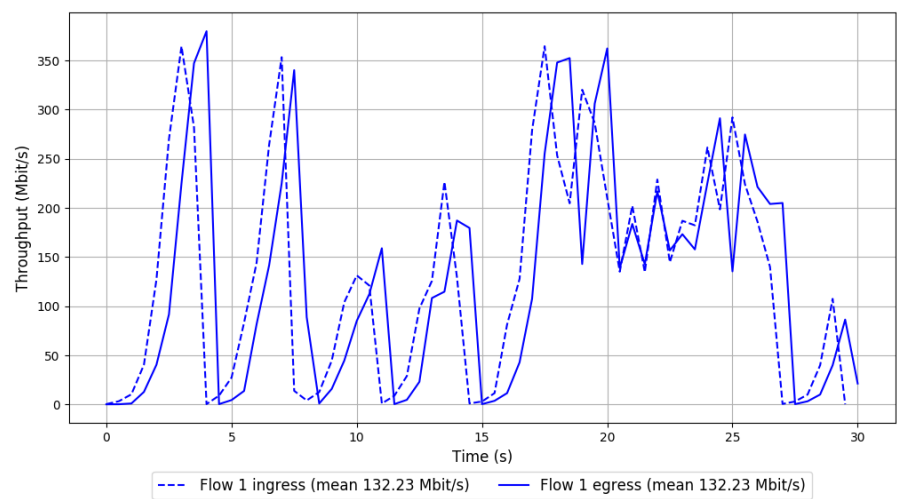


Run 1: Statistics of Verus

Start at: 2018-05-30 07:20:25
End at: 2018-05-30 07:20:55
Local clock offset: 30.491 ms
Remote clock offset: 23.827 ms

Below is generated by plot.py at 2018-05-30 12:20:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.23 Mbit/s
95th percentile per-packet one-way delay: 131.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.23 Mbit/s
95th percentile per-packet one-way delay: 131.591 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

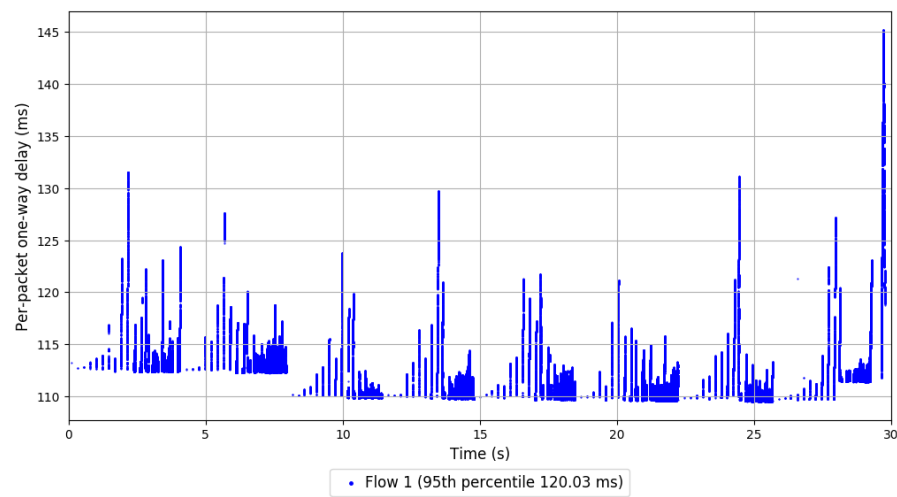
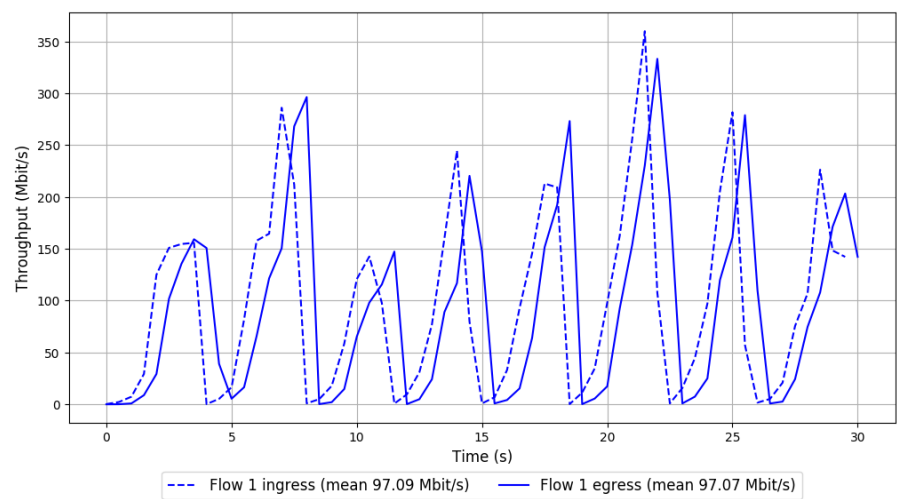


Run 2: Statistics of Verus

Start at: 2018-05-30 07:41:08
End at: 2018-05-30 07:41:38
Local clock offset: 12.541 ms
Remote clock offset: 43.067 ms

Below is generated by plot.py at 2018-05-30 12:20:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 120.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 120.030 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

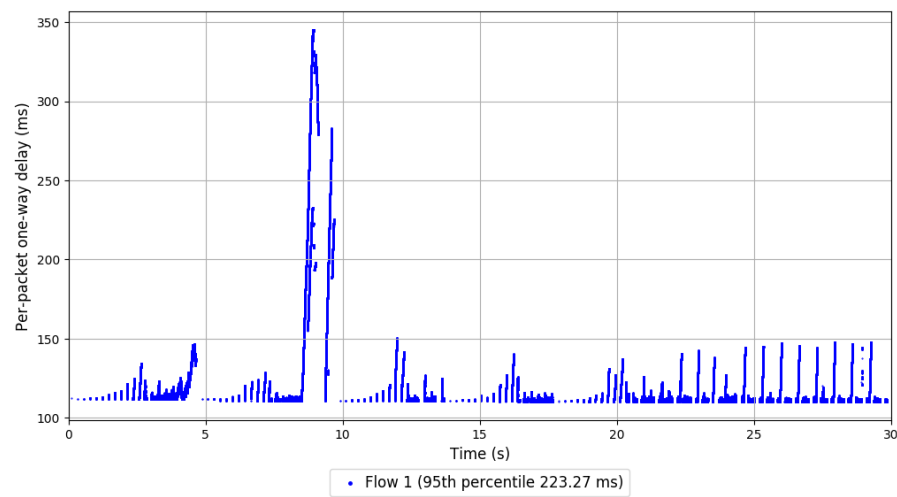
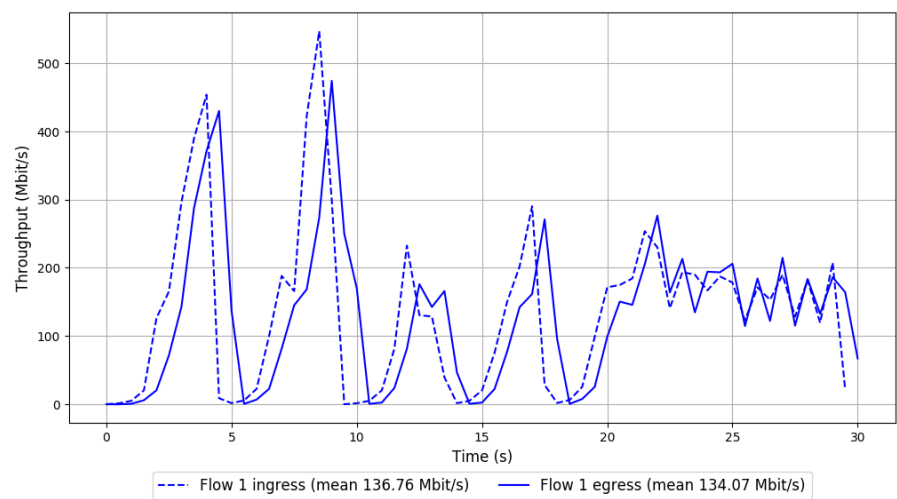


Run 3: Statistics of Verus

Start at: 2018-05-30 08:01:31
End at: 2018-05-30 08:02:01
Local clock offset: 11.486 ms
Remote clock offset: 11.94 ms

Below is generated by plot.py at 2018-05-30 12:21:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.07 Mbit/s
95th percentile per-packet one-way delay: 223.268 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 134.07 Mbit/s
95th percentile per-packet one-way delay: 223.268 ms
Loss rate: 1.97%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-30 08:22:30

End at: 2018-05-30 08:23:00

Local clock offset: 6.634 ms

Remote clock offset: 8.176 ms

Below is generated by plot.py at 2018-05-30 12:22:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.74 Mbit/s

95th percentile per-packet one-way delay: 180.712 ms

Loss rate: 0.04%

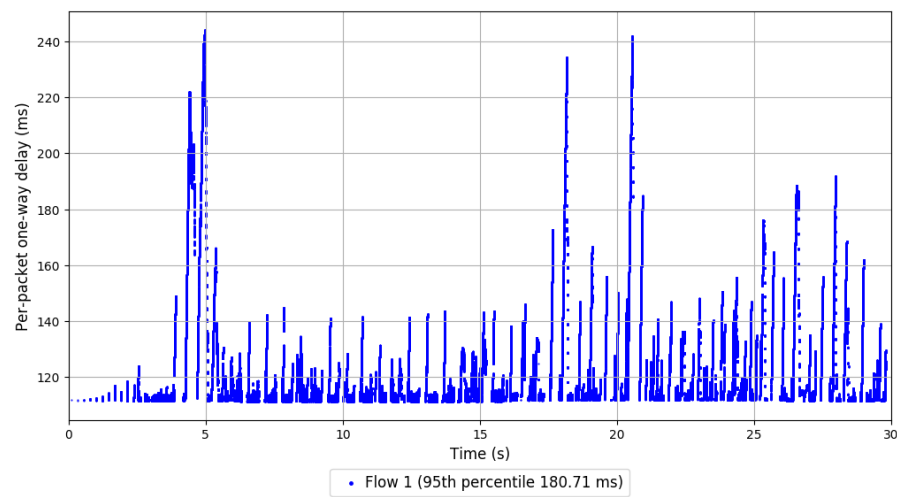
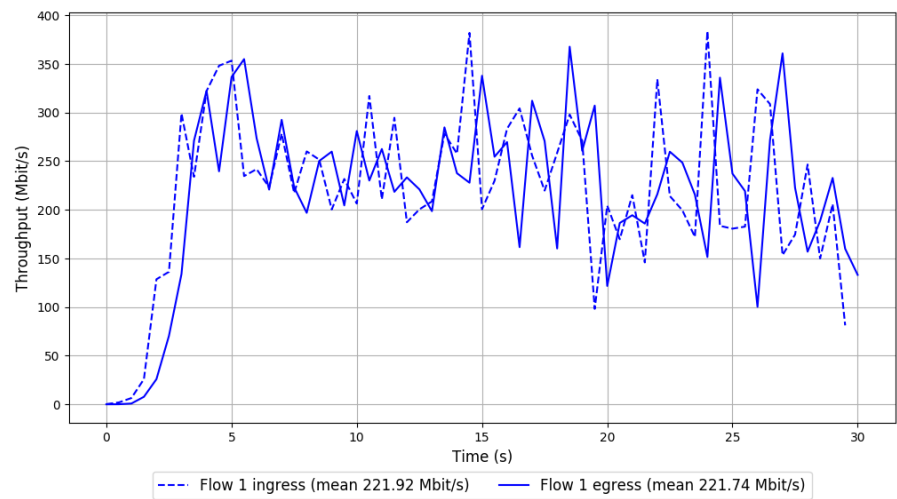
-- Flow 1:

Average throughput: 221.74 Mbit/s

95th percentile per-packet one-way delay: 180.712 ms

Loss rate: 0.04%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-30 08:43:20

End at: 2018-05-30 08:43:50

Local clock offset: 2.591 ms

Remote clock offset: 4.651 ms

Below is generated by plot.py at 2018-05-30 12:22:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.38 Mbit/s

95th percentile per-packet one-way delay: 154.065 ms

Loss rate: 0.68%

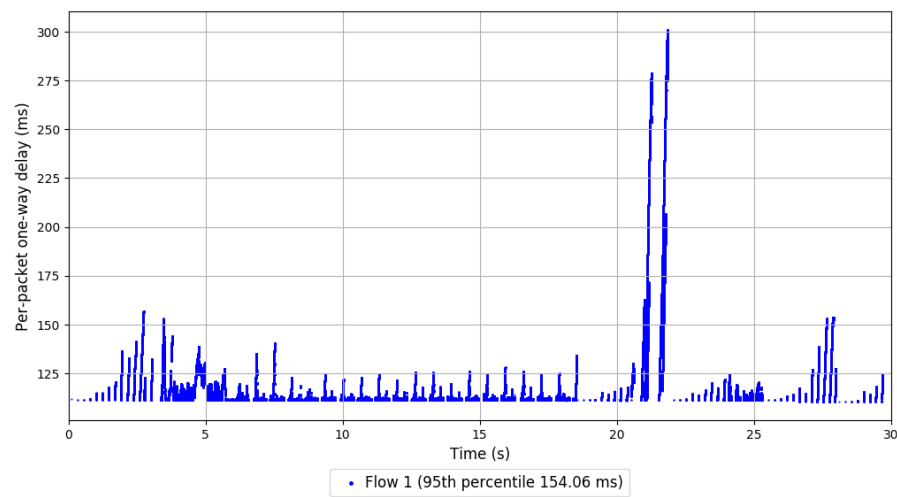
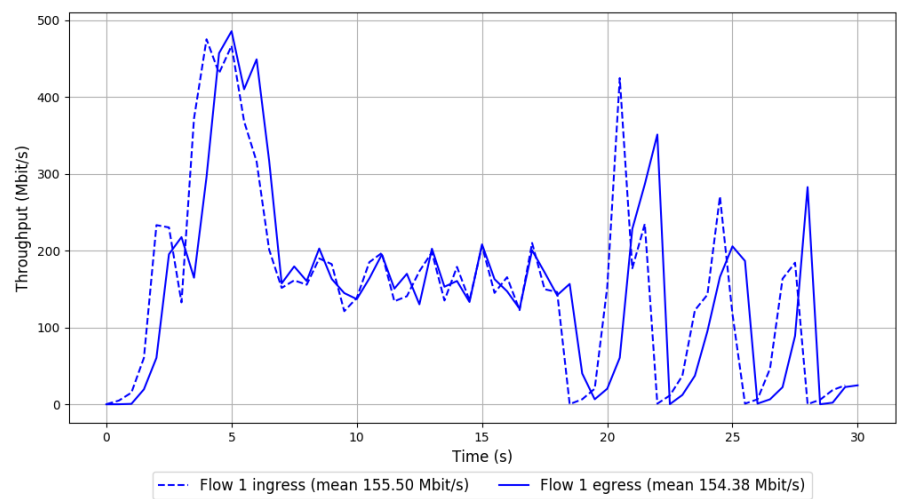
-- Flow 1:

Average throughput: 154.38 Mbit/s

95th percentile per-packet one-way delay: 154.065 ms

Loss rate: 0.68%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-30 09:04:05

End at: 2018-05-30 09:04:35

Local clock offset: 1.63 ms

Remote clock offset: 2.517 ms

Below is generated by plot.py at 2018-05-30 12:22:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 173.807 ms

Loss rate: 0.00%

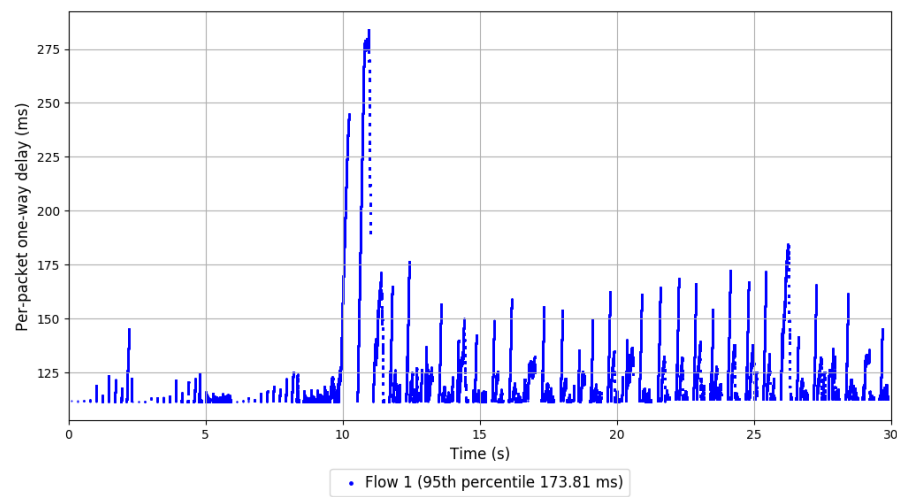
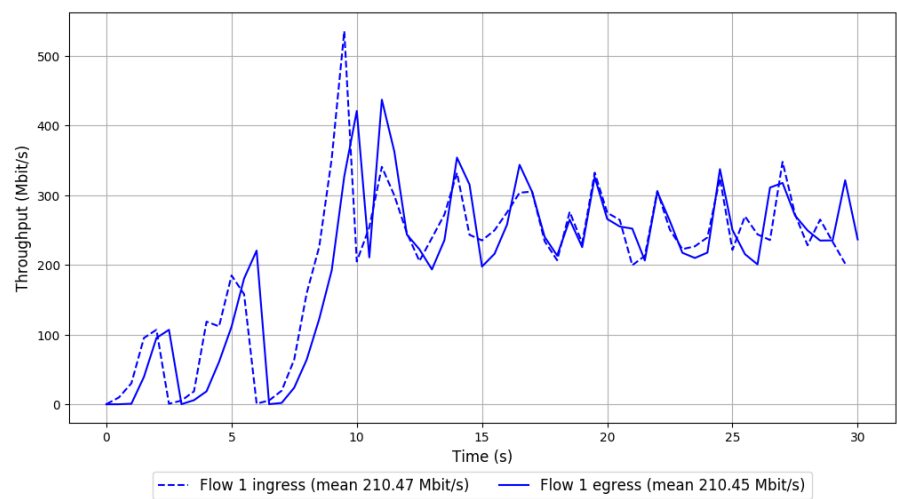
-- Flow 1:

Average throughput: 210.45 Mbit/s

95th percentile per-packet one-way delay: 173.807 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-30 09:24:52

End at: 2018-05-30 09:25:22

Local clock offset: 0.653 ms

Remote clock offset: 2.425 ms

Below is generated by plot.py at 2018-05-30 12:23:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.80 Mbit/s

95th percentile per-packet one-way delay: 201.556 ms

Loss rate: 0.00%

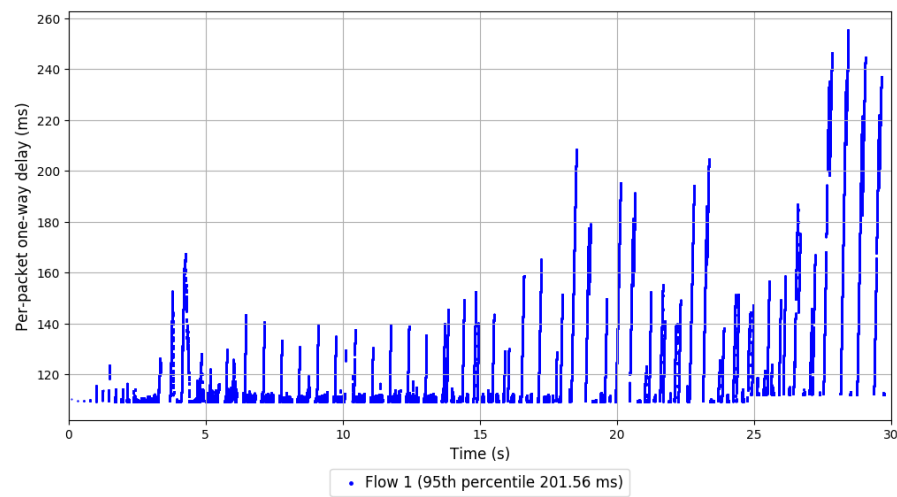
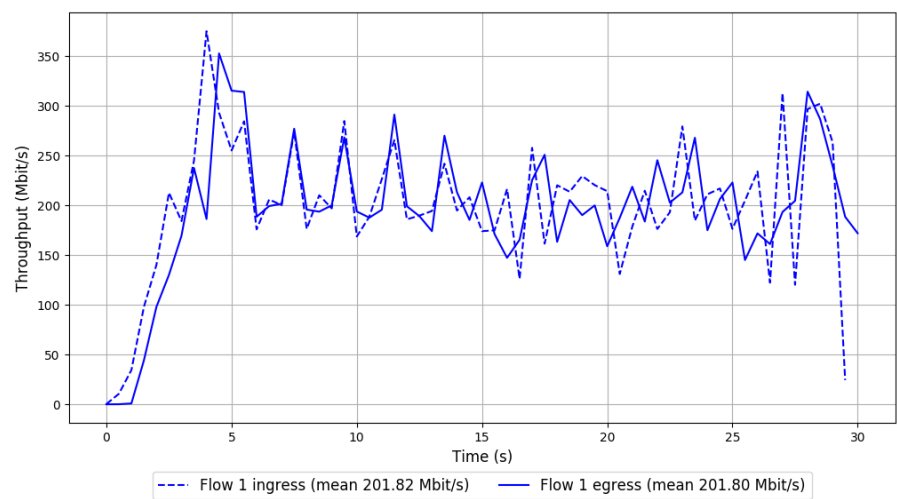
-- Flow 1:

Average throughput: 201.80 Mbit/s

95th percentile per-packet one-way delay: 201.556 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-30 09:45:19

End at: 2018-05-30 09:45:49

Local clock offset: 0.802 ms

Remote clock offset: 0.502 ms

Below is generated by plot.py at 2018-05-30 12:23:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.60 Mbit/s

95th percentile per-packet one-way delay: 137.361 ms

Loss rate: 0.00%

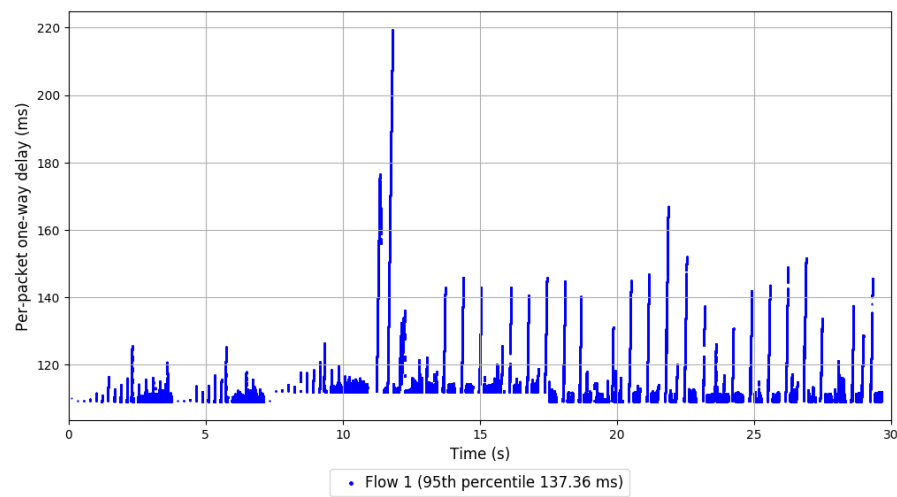
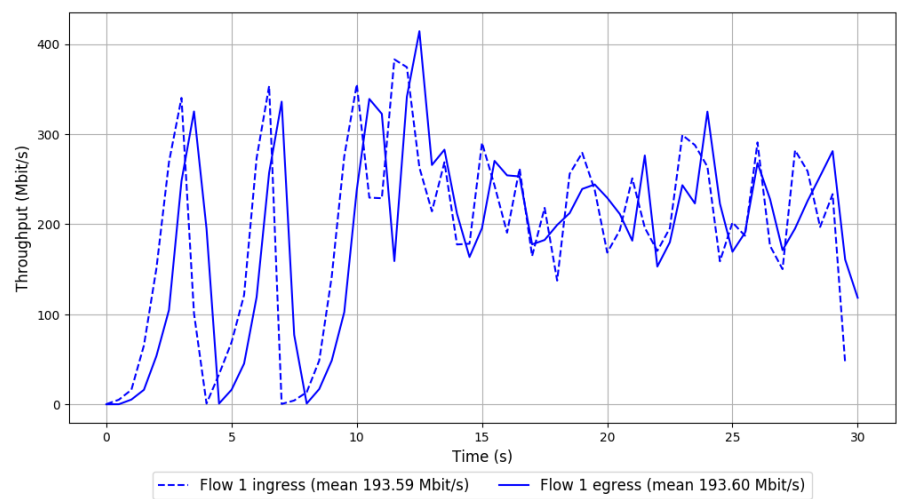
-- Flow 1:

Average throughput: 193.60 Mbit/s

95th percentile per-packet one-way delay: 137.361 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-30 10:06:06

End at: 2018-05-30 10:06:36

Local clock offset: 1.244 ms

Remote clock offset: 1.078 ms

Below is generated by plot.py at 2018-05-30 12:24:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.40 Mbit/s

95th percentile per-packet one-way delay: 142.882 ms

Loss rate: 0.00%

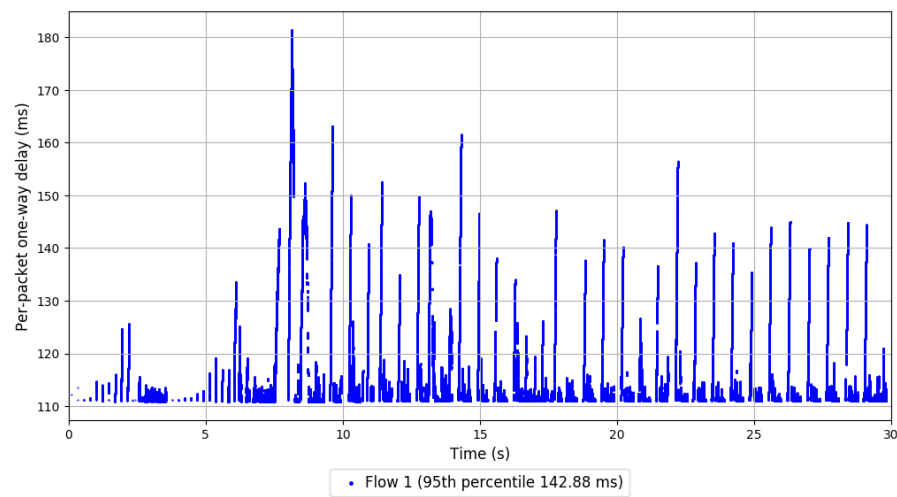
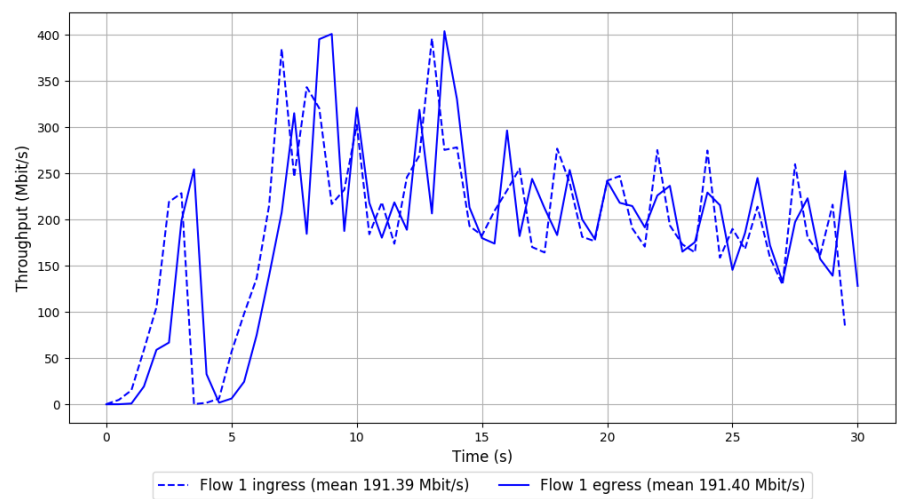
-- Flow 1:

Average throughput: 191.40 Mbit/s

95th percentile per-packet one-way delay: 142.882 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-30 10:26:53

End at: 2018-05-30 10:27:23

Local clock offset: 0.017 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-05-30 12:24:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.59 Mbit/s

95th percentile per-packet one-way delay: 139.680 ms

Loss rate: 0.00%

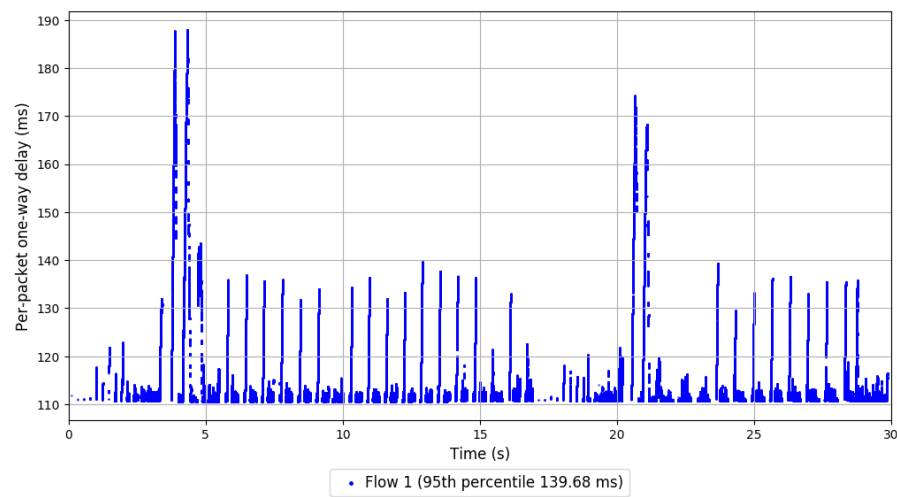
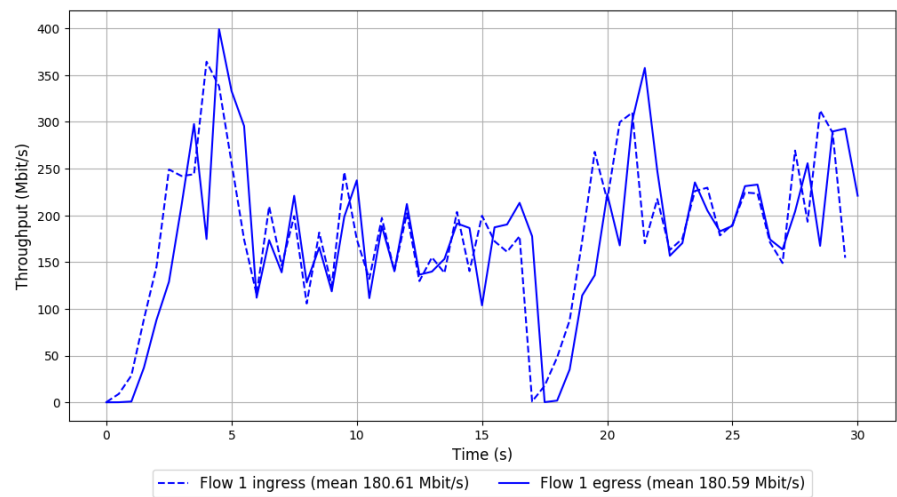
-- Flow 1:

Average throughput: 180.59 Mbit/s

95th percentile per-packet one-way delay: 139.680 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-30 07:27:05

End at: 2018-05-30 07:27:35

Local clock offset: 23.703 ms

Remote clock offset: 27.562 ms

Below is generated by plot.py at 2018-05-30 12:27:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.24 Mbit/s

95th percentile per-packet one-way delay: 111.317 ms

Loss rate: 0.00%

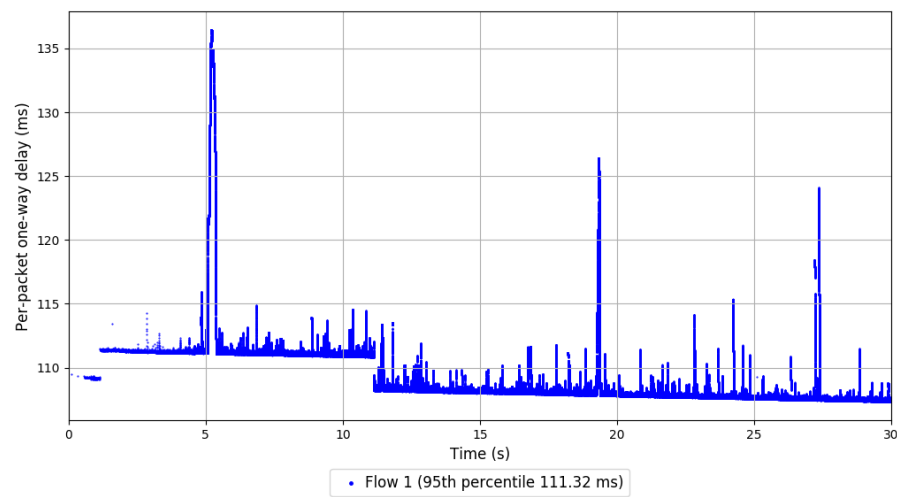
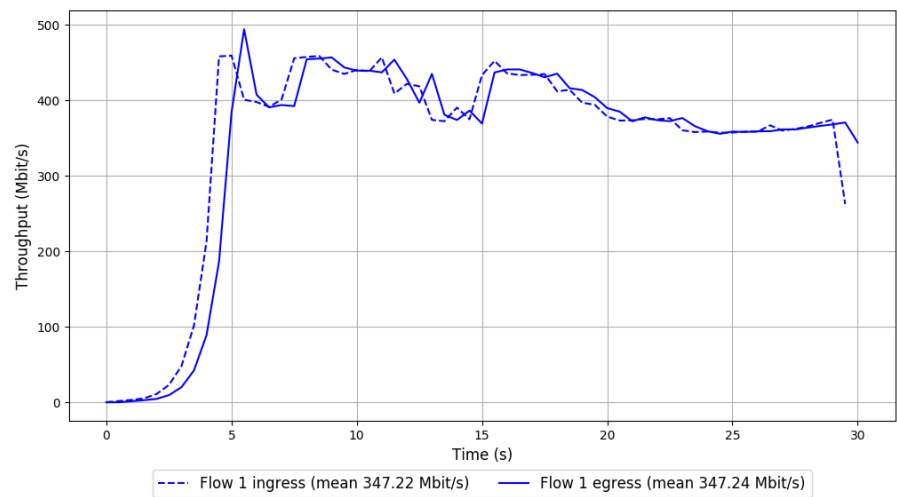
-- Flow 1:

Average throughput: 347.24 Mbit/s

95th percentile per-packet one-way delay: 111.317 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

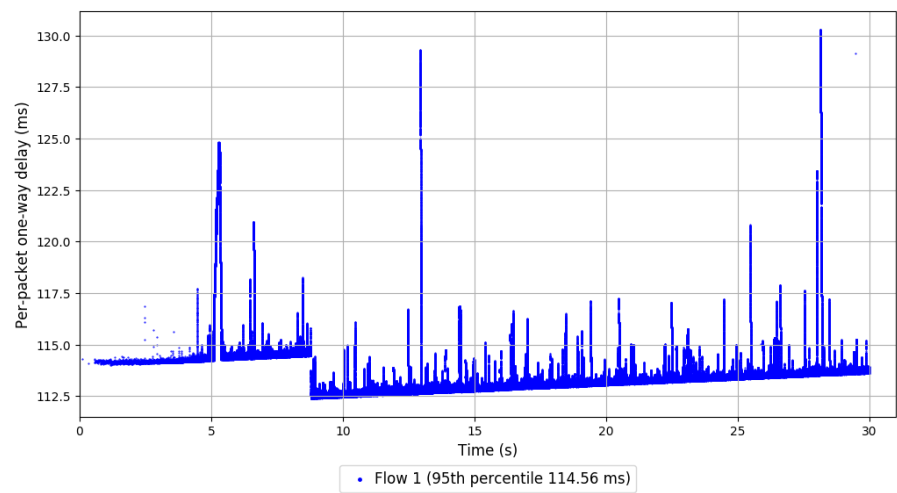
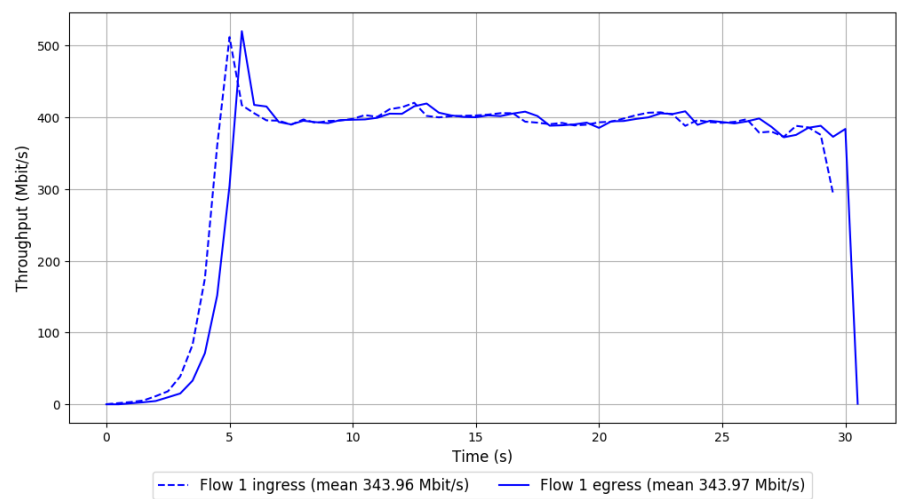


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-30 07:47:48
End at: 2018-05-30 07:48:18
Local clock offset: 13.412 ms
Remote clock offset: 33.597 ms

Below is generated by plot.py at 2018-05-30 12:28:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 343.97 Mbit/s
95th percentile per-packet one-way delay: 114.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 343.97 Mbit/s
95th percentile per-packet one-way delay: 114.562 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

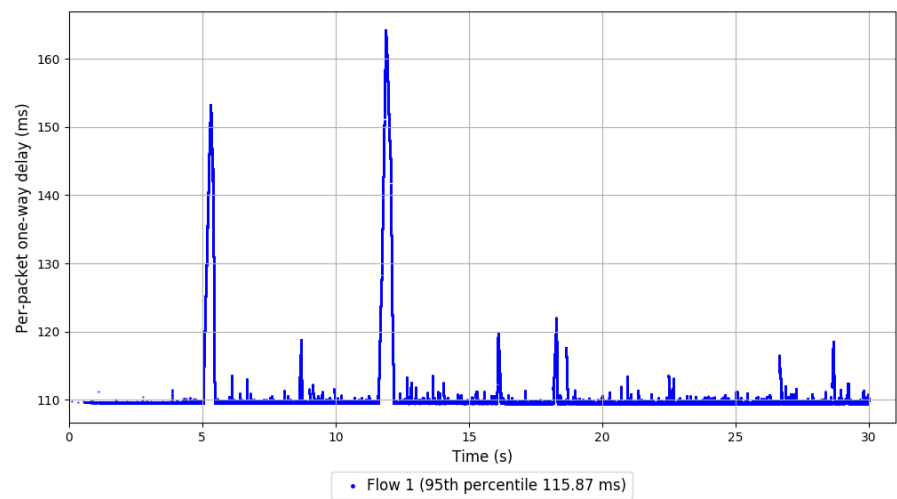
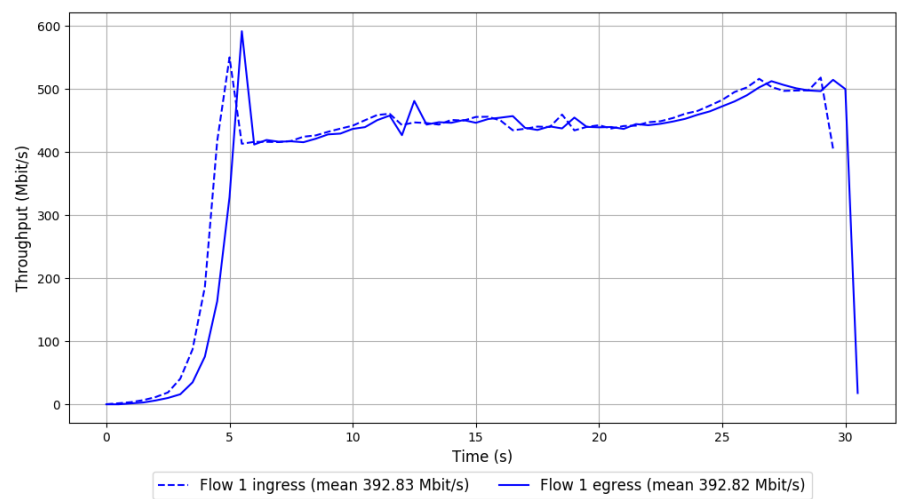


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-30 08:08:10
End at: 2018-05-30 08:08:40
Local clock offset: 7.414 ms
Remote clock offset: 10.701 ms

Below is generated by plot.py at 2018-05-30 12:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 392.82 Mbit/s
95th percentile per-packet one-way delay: 115.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 392.82 Mbit/s
95th percentile per-packet one-way delay: 115.866 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-30 08:29:17

End at: 2018-05-30 08:29:47

Local clock offset: 7.633 ms

Remote clock offset: 4.967 ms

Below is generated by plot.py at 2018-05-30 12:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.76 Mbit/s

95th percentile per-packet one-way delay: 125.061 ms

Loss rate: 0.01%

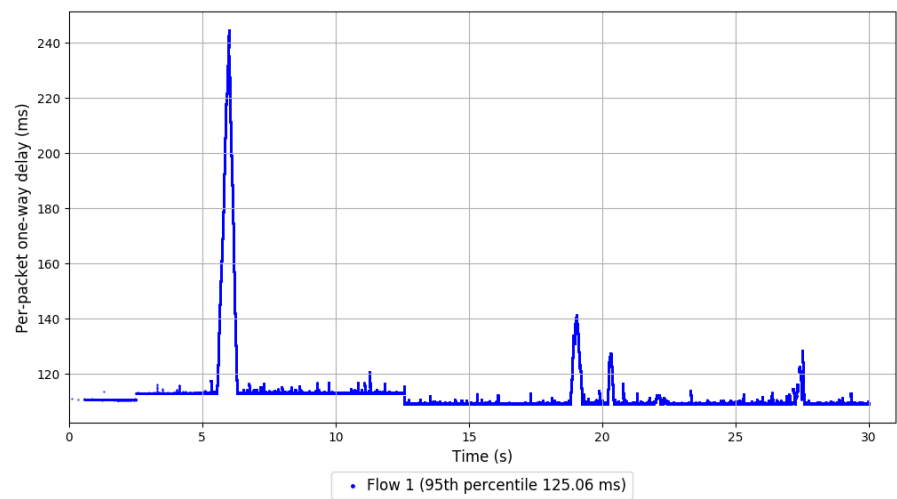
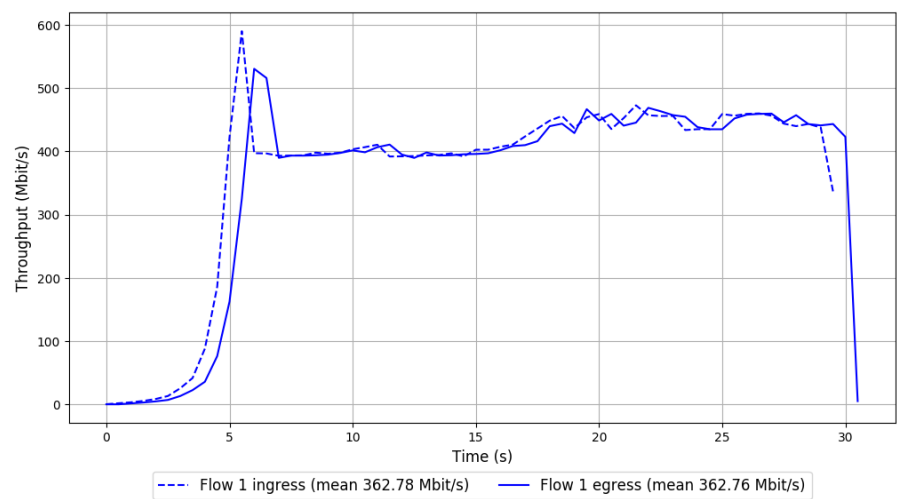
-- Flow 1:

Average throughput: 362.76 Mbit/s

95th percentile per-packet one-way delay: 125.061 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-30 08:50:02

End at: 2018-05-30 08:50:32

Local clock offset: 1.769 ms

Remote clock offset: 4.934 ms

Below is generated by plot.py at 2018-05-30 12:30:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.53 Mbit/s

95th percentile per-packet one-way delay: 123.661 ms

Loss rate: 0.00%

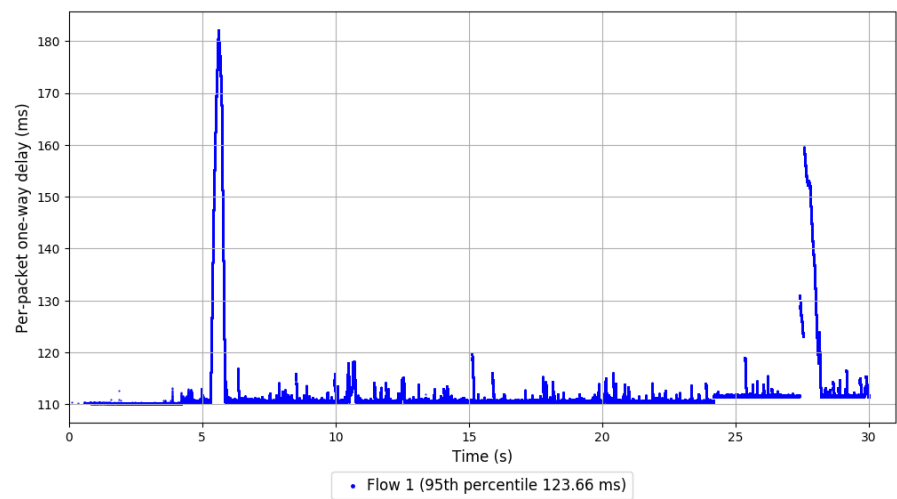
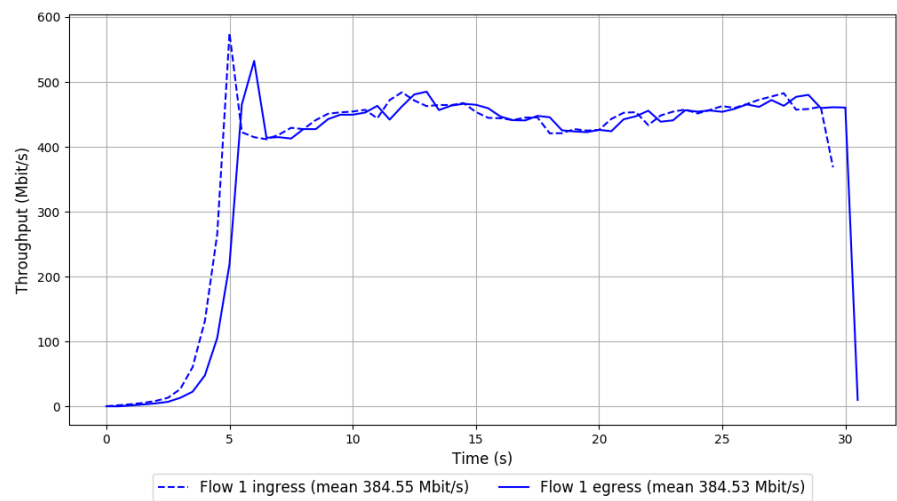
-- Flow 1:

Average throughput: 384.53 Mbit/s

95th percentile per-packet one-way delay: 123.661 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-30 09:10:49

End at: 2018-05-30 09:11:19

Local clock offset: 1.092 ms

Remote clock offset: 2.275 ms

Below is generated by plot.py at 2018-05-30 12:30:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.21 Mbit/s

95th percentile per-packet one-way delay: 112.846 ms

Loss rate: 0.00%

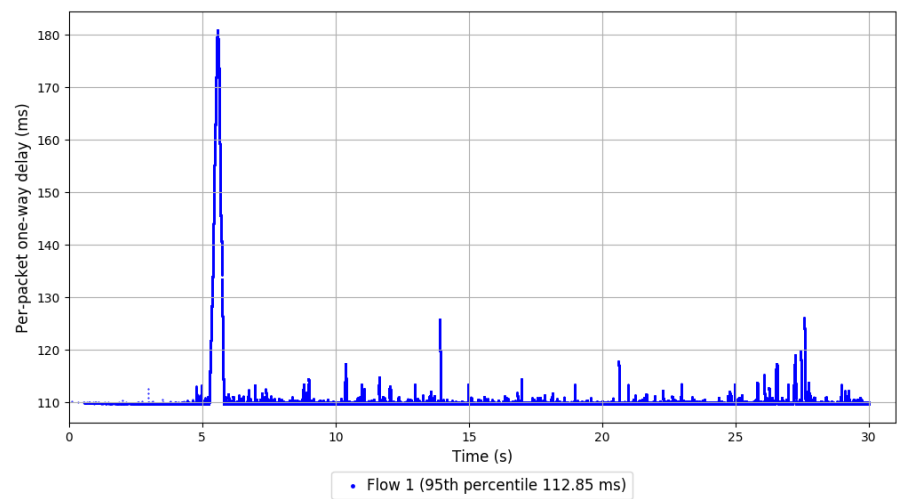
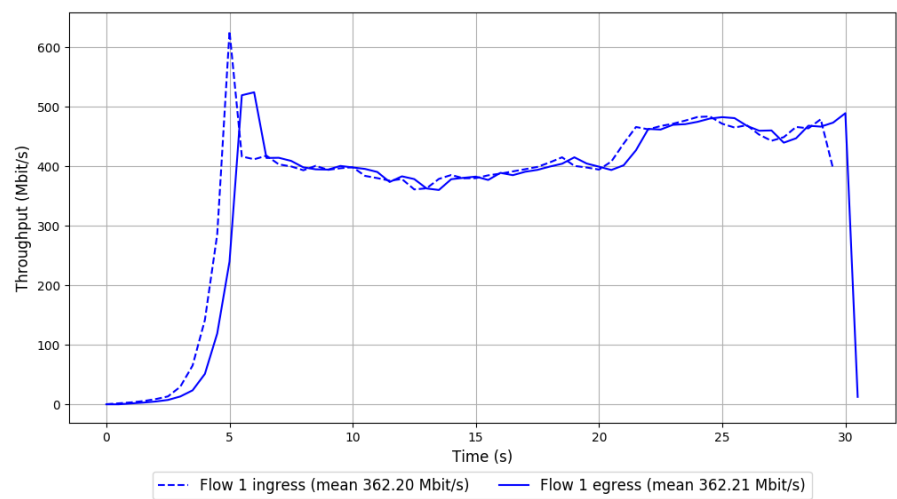
-- Flow 1:

Average throughput: 362.21 Mbit/s

95th percentile per-packet one-way delay: 112.846 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-30 09:31:37

End at: 2018-05-30 09:32:07

Local clock offset: 0.412 ms

Remote clock offset: 1.601 ms

Below is generated by plot.py at 2018-05-30 12:30:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.96 Mbit/s

95th percentile per-packet one-way delay: 113.026 ms

Loss rate: 0.00%

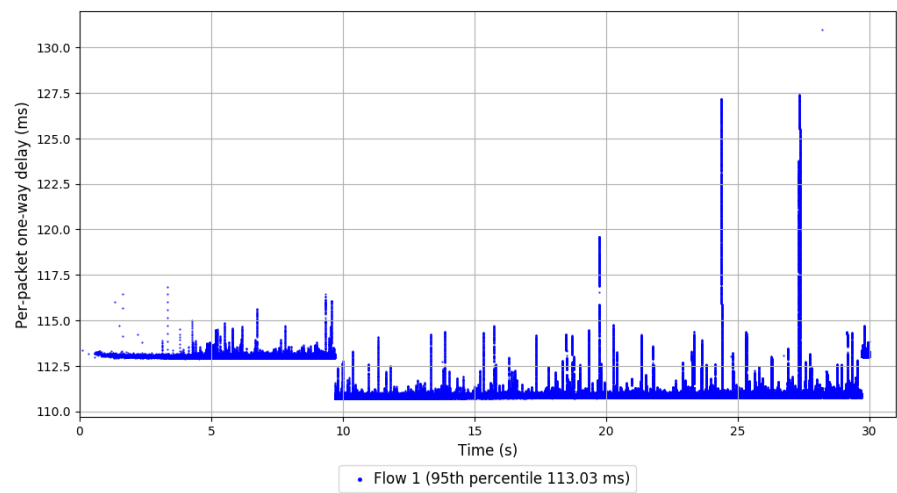
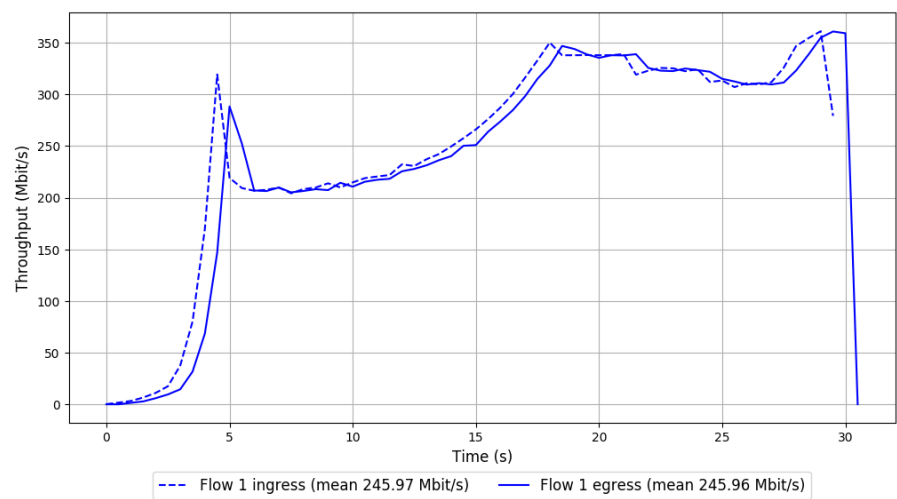
-- Flow 1:

Average throughput: 245.96 Mbit/s

95th percentile per-packet one-way delay: 113.026 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-30 09:52:02

End at: 2018-05-30 09:52:32

Local clock offset: 1.018 ms

Remote clock offset: 1.354 ms

Below is generated by plot.py at 2018-05-30 12:30:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.41 Mbit/s

95th percentile per-packet one-way delay: 111.103 ms

Loss rate: 0.00%

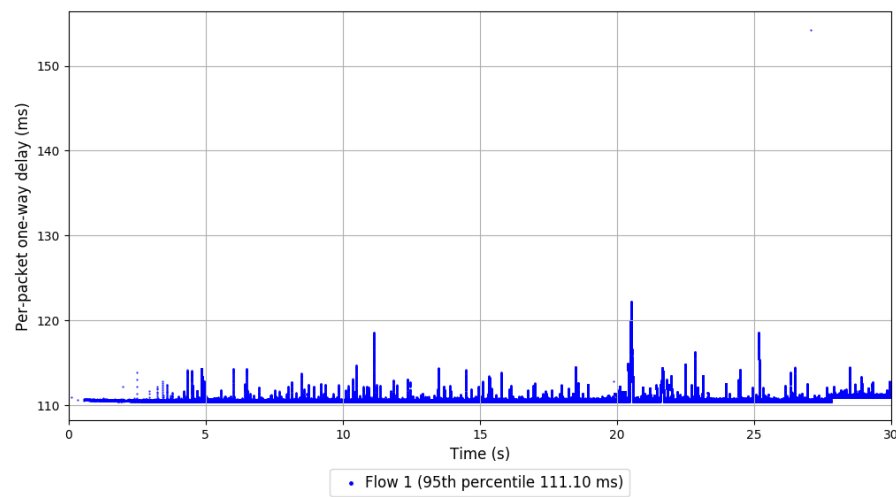
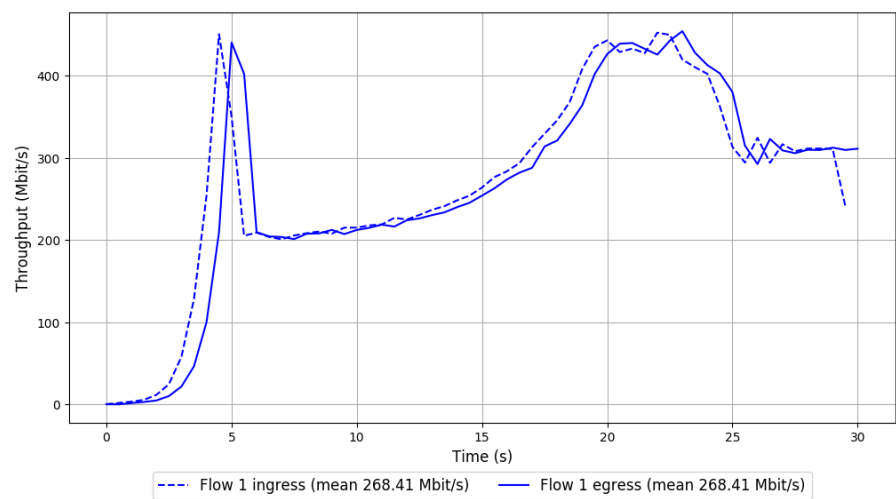
-- Flow 1:

Average throughput: 268.41 Mbit/s

95th percentile per-packet one-way delay: 111.103 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-30 10:12:54

End at: 2018-05-30 10:13:24

Local clock offset: 1.374 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.48 Mbit/s

95th percentile per-packet one-way delay: 111.969 ms

Loss rate: 0.00%

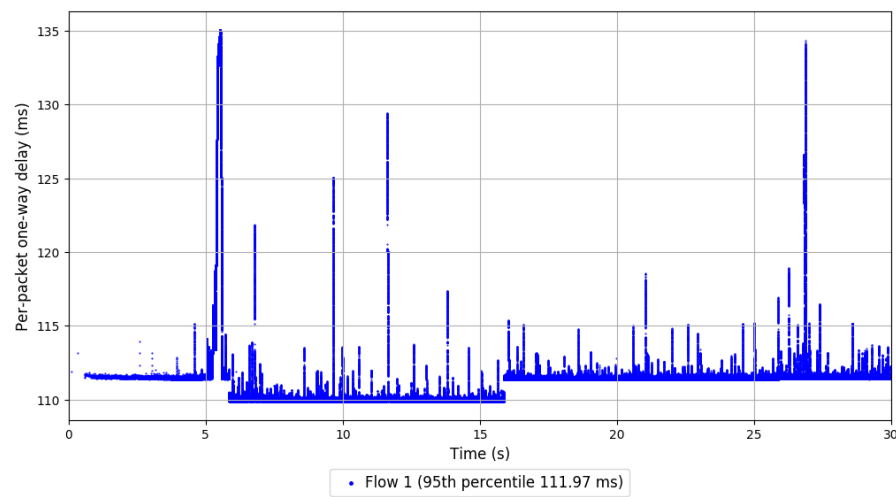
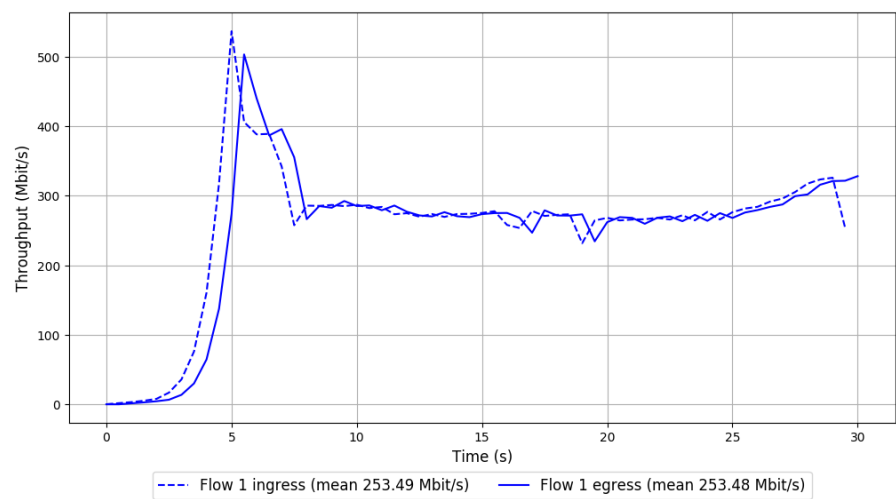
-- Flow 1:

Average throughput: 253.48 Mbit/s

95th percentile per-packet one-way delay: 111.969 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-30 10:33:39

End at: 2018-05-30 10:34:09

Local clock offset: -0.178 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.19 Mbit/s

95th percentile per-packet one-way delay: 114.638 ms

Loss rate: 0.00%

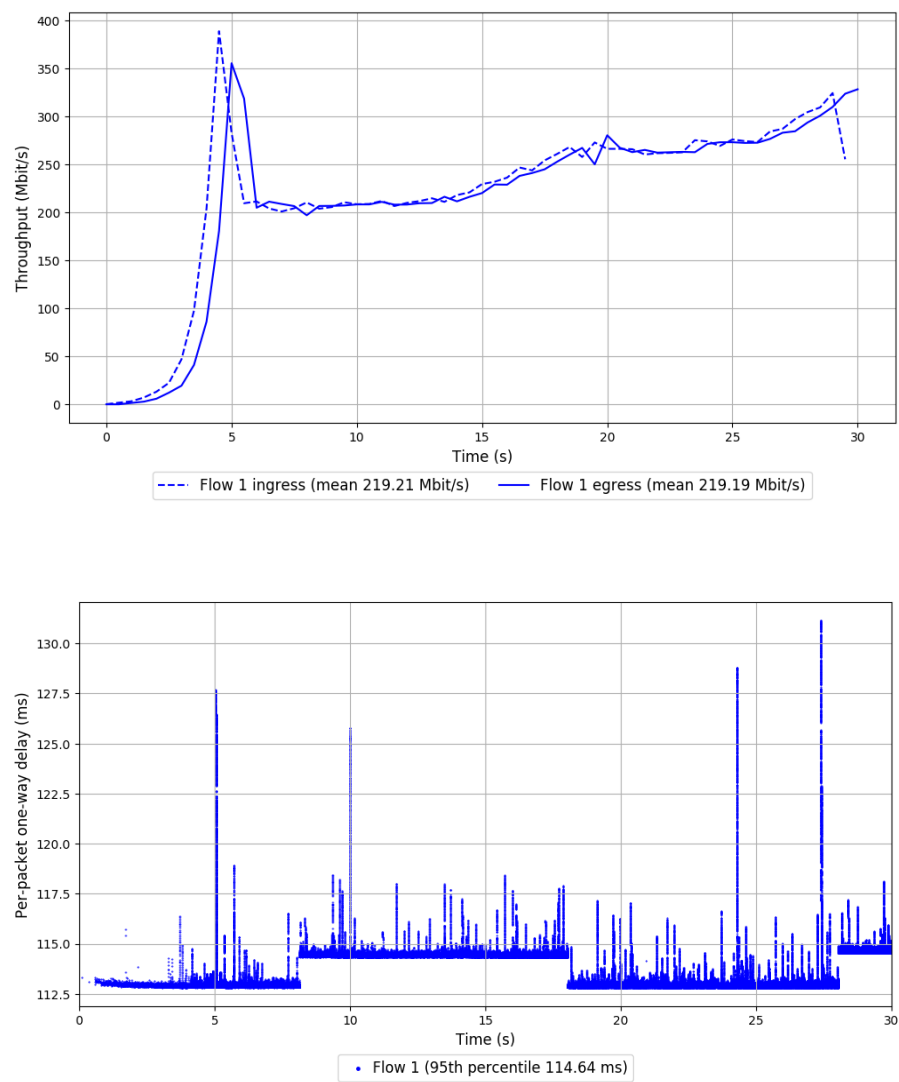
-- Flow 1:

Average throughput: 219.19 Mbit/s

95th percentile per-packet one-way delay: 114.638 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

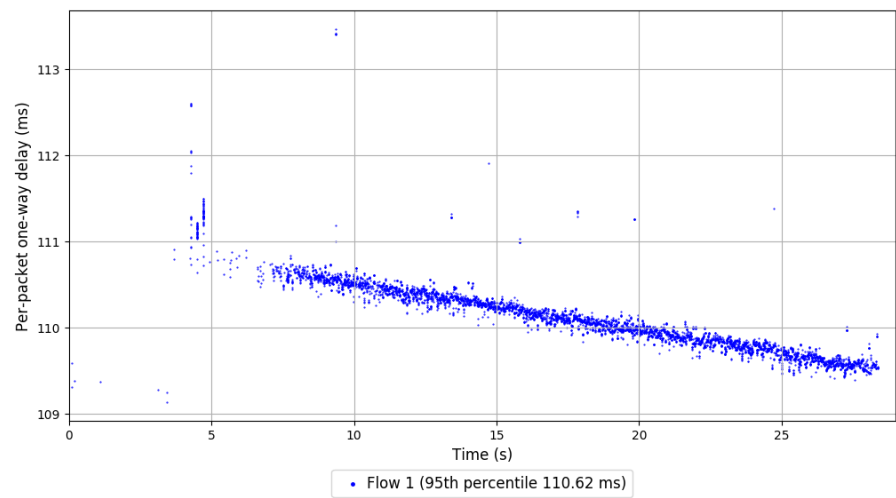
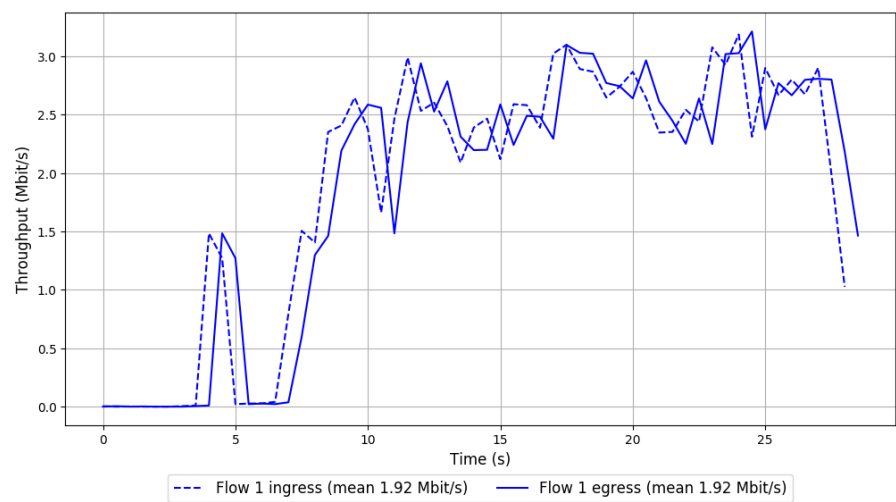


Run 1: Statistics of WebRTC media

Start at: 2018-05-30 07:24:31
End at: 2018-05-30 07:25:01
Local clock offset: 29.814 ms
Remote clock offset: 26.081 ms

Below is generated by plot.py at 2018-05-30 12:30:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 110.625 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 110.625 ms
Loss rate: 0.02%

Run 1: Report of WebRTC media — Data Link

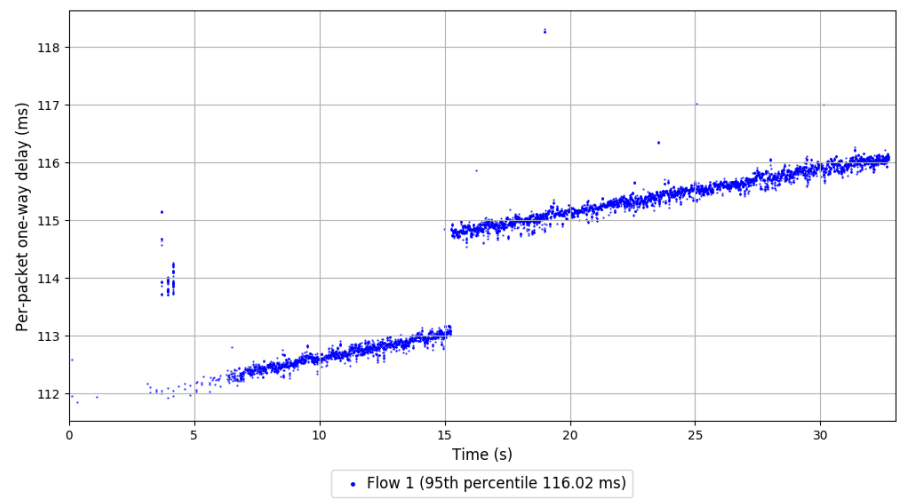
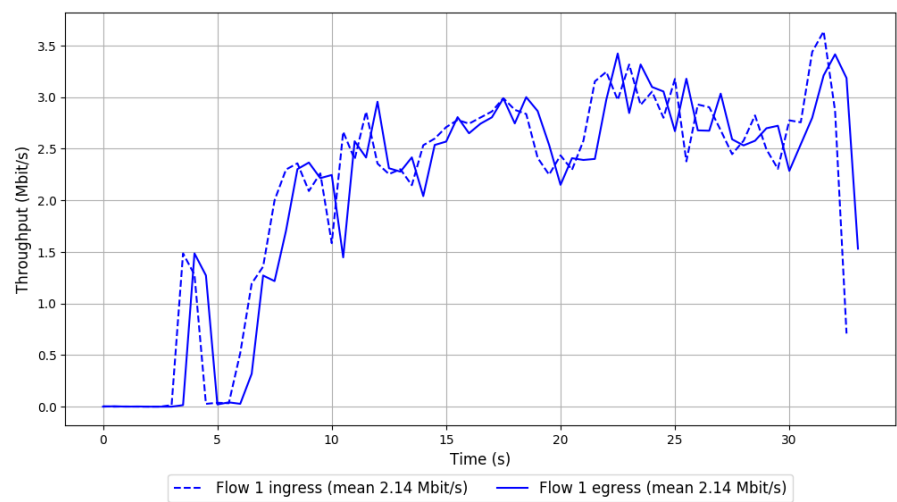


Run 2: Statistics of WebRTC media

Start at: 2018-05-30 07:45:14
End at: 2018-05-30 07:45:44
Local clock offset: 12.957 ms
Remote clock offset: 43.706 ms

Below is generated by plot.py at 2018-05-30 12:30:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 116.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 116.019 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

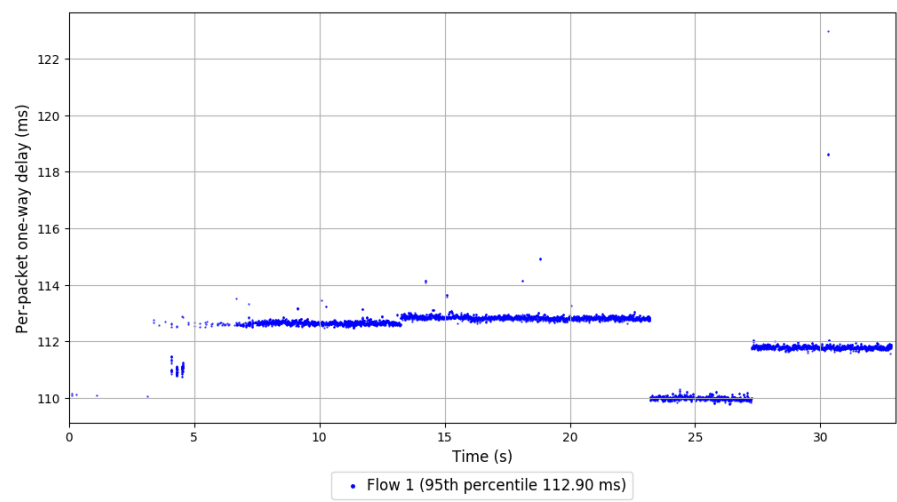
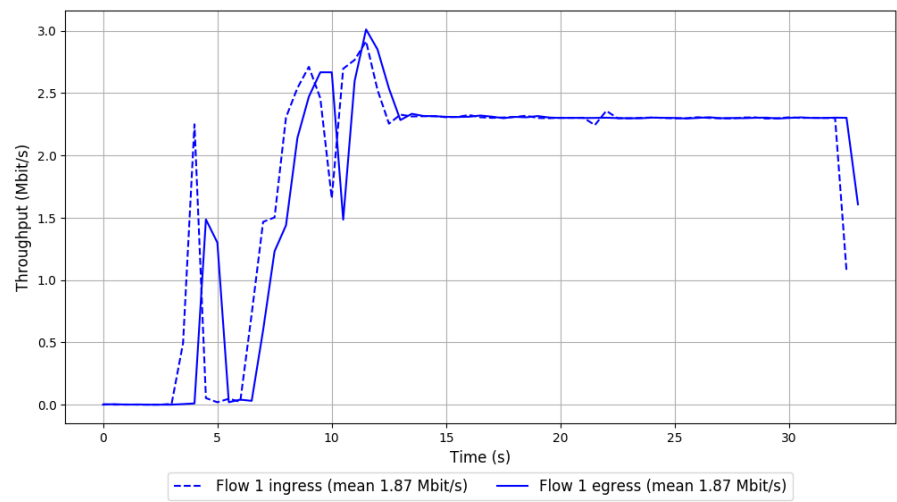


Run 3: Statistics of WebRTC media

Start at: 2018-05-30 08:05:36
End at: 2018-05-30 08:06:06
Local clock offset: 8.312 ms
Remote clock offset: 10.871 ms

Below is generated by plot.py at 2018-05-30 12:30:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 112.904 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-30 08:26:42

End at: 2018-05-30 08:27:12

Local clock offset: 7.277 ms

Remote clock offset: 5.736 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

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

Loss rate: 0.00%

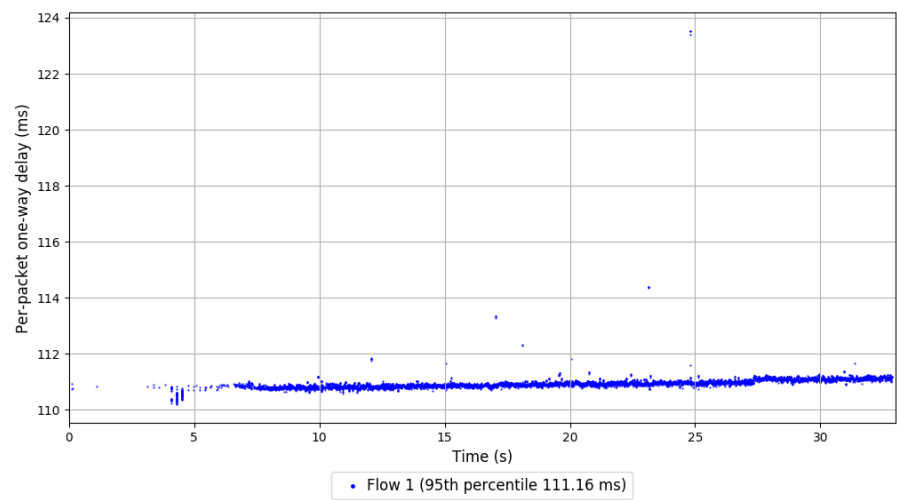
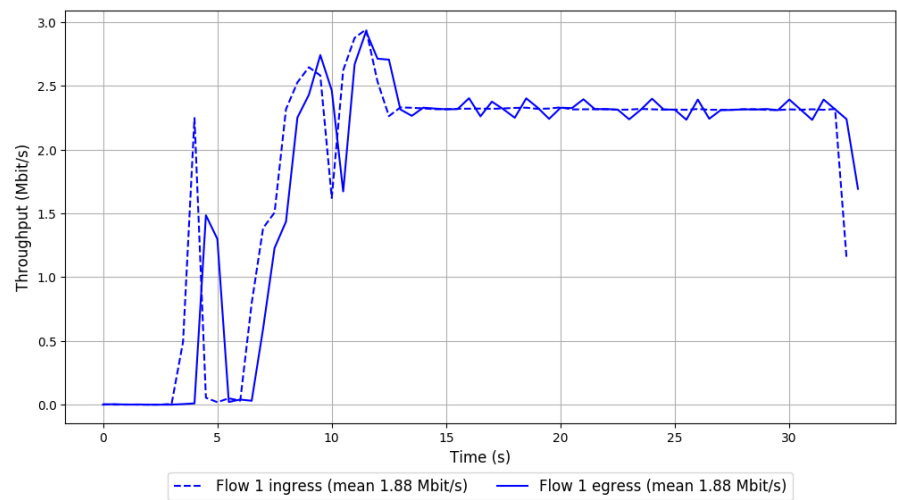
-- Flow 1:

Average throughput: 1.88 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-30 08:47:28

End at: 2018-05-30 08:47:58

Local clock offset: 1.899 ms

Remote clock offset: 5.055 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 113.409 ms

Loss rate: 0.00%

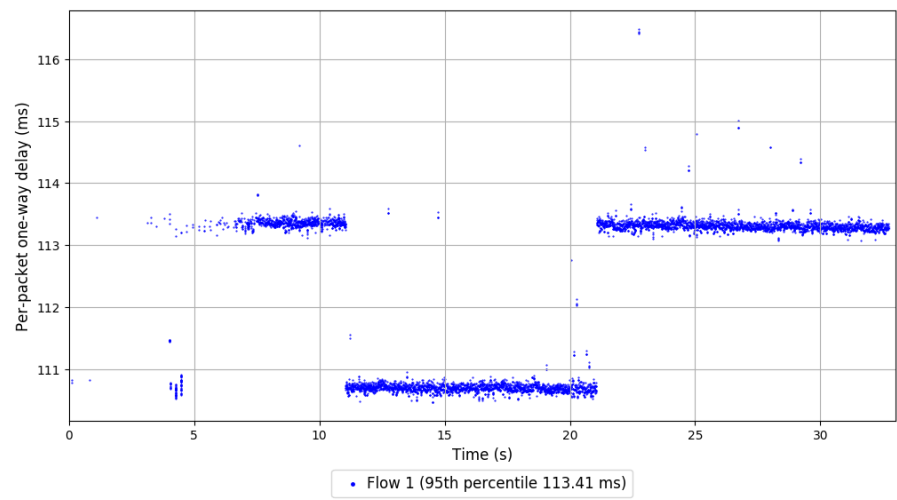
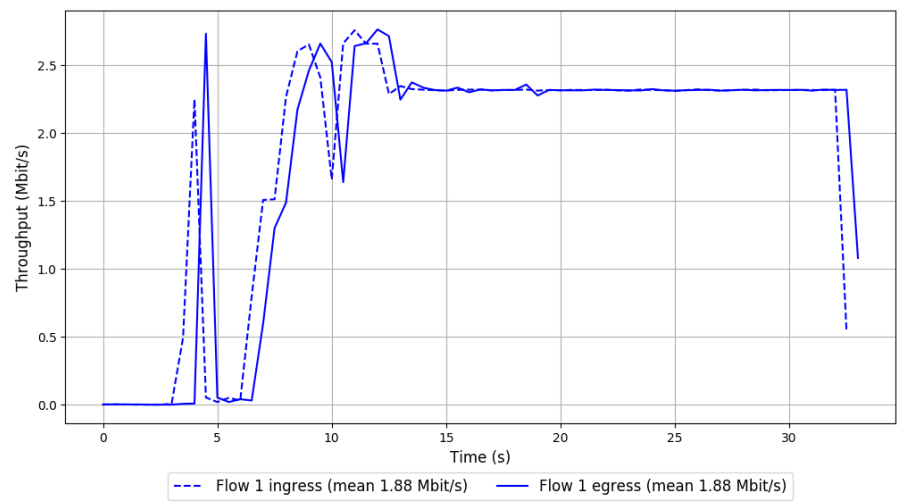
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 113.409 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-30 09:08:15

End at: 2018-05-30 09:08:45

Local clock offset: 1.344 ms

Remote clock offset: 1.9 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 113.057 ms

Loss rate: 0.00%

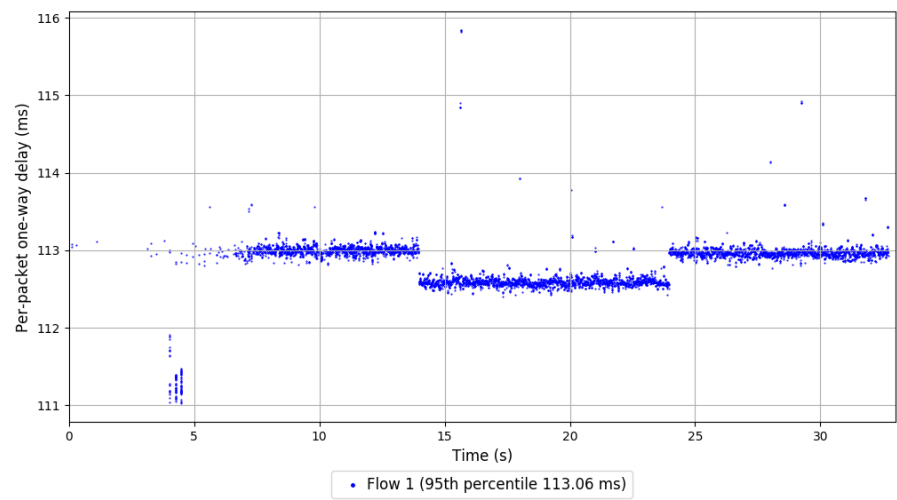
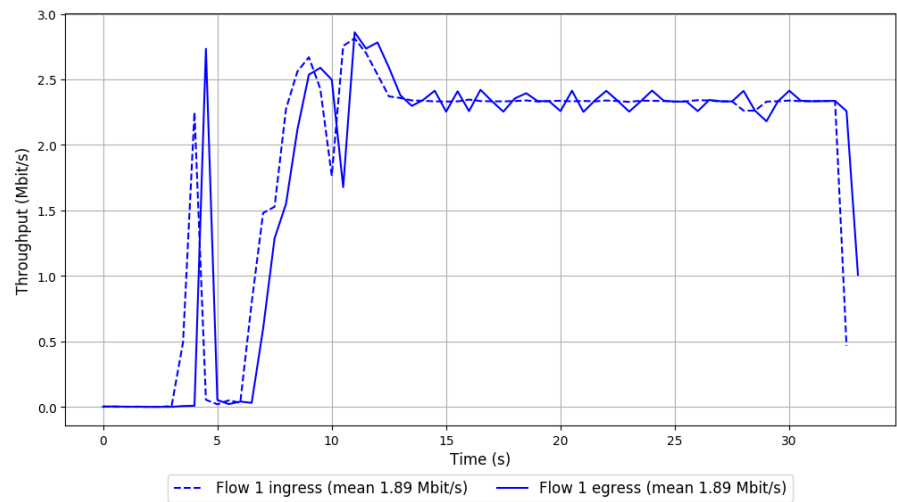
-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 113.057 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-30 09:29:04

End at: 2018-05-30 09:29:34

Local clock offset: 0.639 ms

Remote clock offset: 1.983 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 111.595 ms

Loss rate: 0.00%

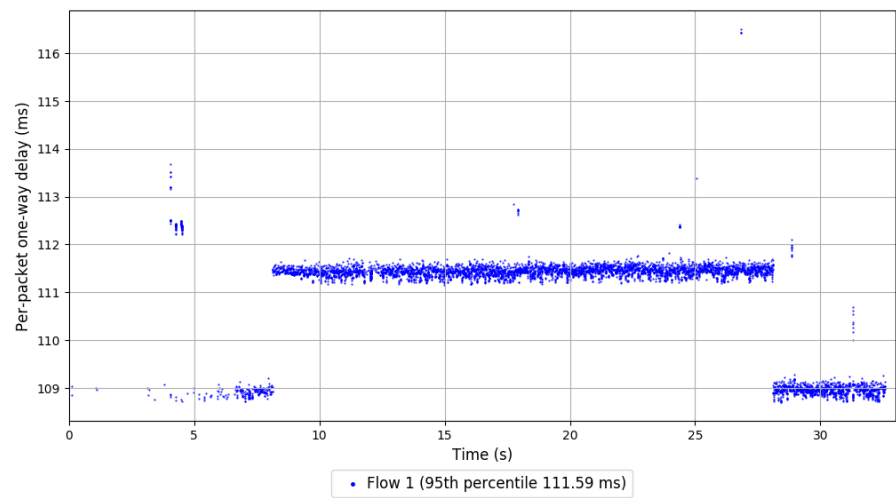
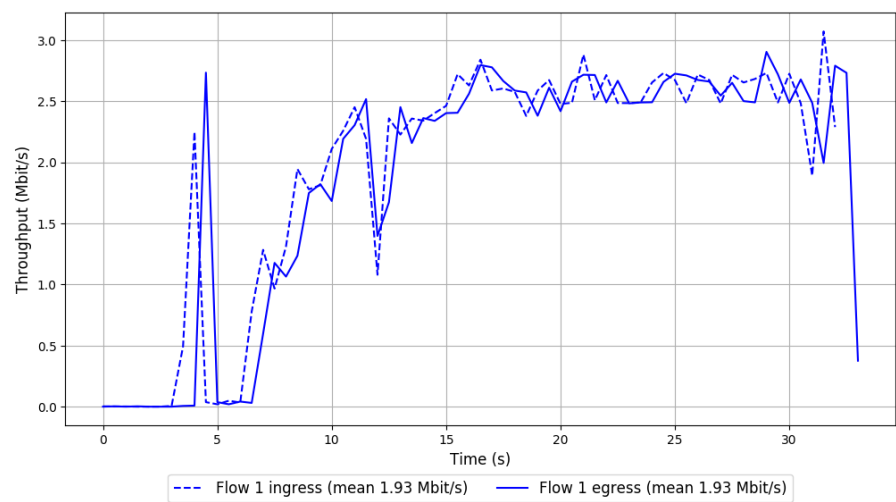
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 111.595 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-30 09:49:30

End at: 2018-05-30 09:50:00

Local clock offset: 0.828 ms

Remote clock offset: 0.964 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 112.914 ms

Loss rate: 0.00%

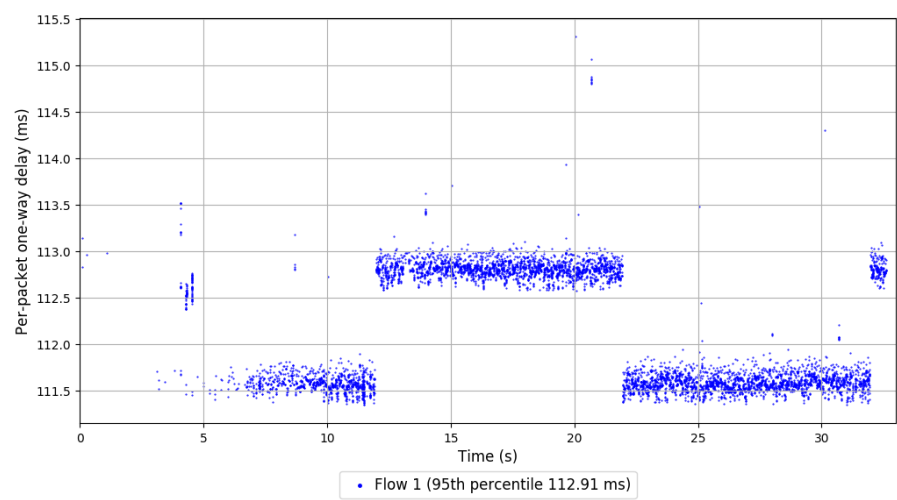
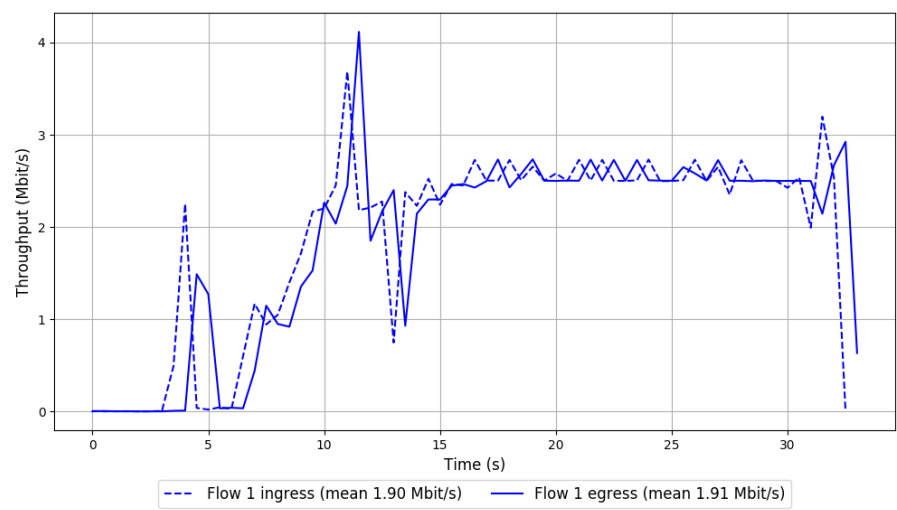
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 112.914 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-30 10:10:18

End at: 2018-05-30 10:10:48

Local clock offset: 1.289 ms

Remote clock offset: 0.814 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 113.438 ms

Loss rate: 0.00%

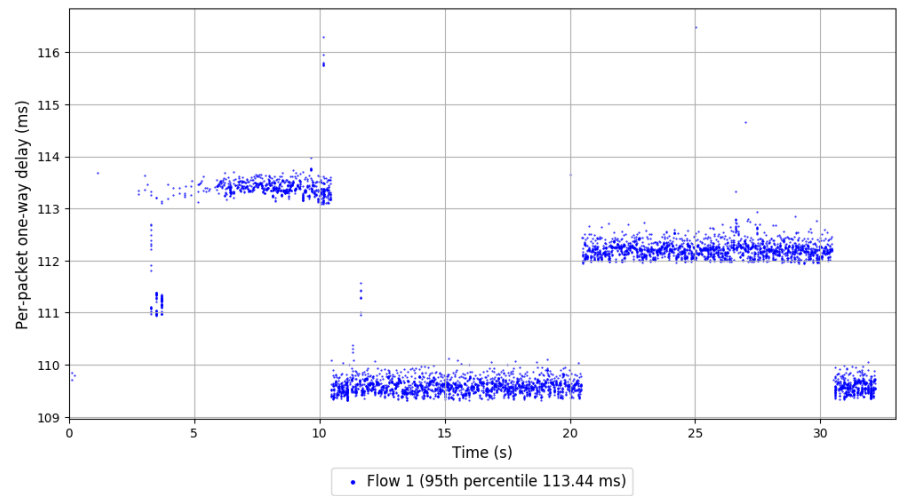
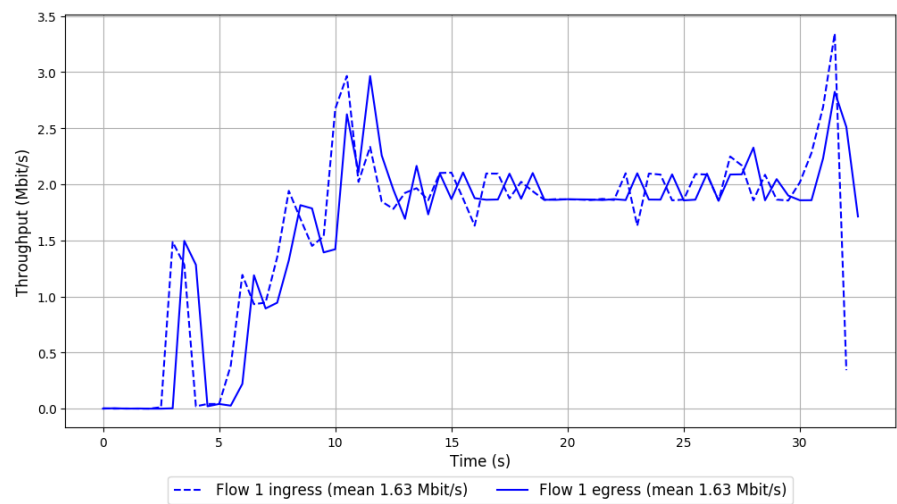
-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 113.438 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-30 10:31:03

End at: 2018-05-30 10:31:33

Local clock offset: -0.12 ms

Remote clock offset: 0.566 ms

Below is generated by plot.py at 2018-05-30 12:30:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 111.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 111.181 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

