

Pantheon Report

Generated at 2018-06-05 07:57:25 (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.

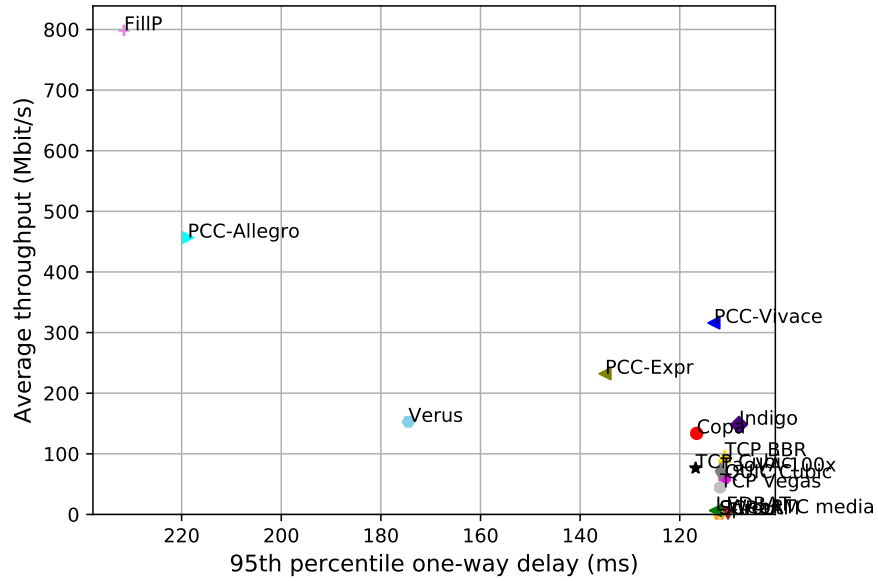
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

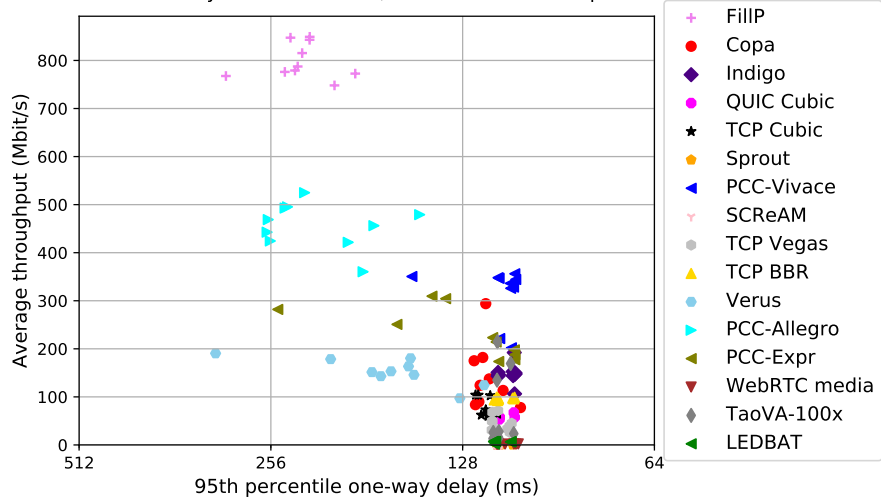
Git summary:

```
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-quick @ 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	96.10	110.99	0.00
Copa	10	133.73	116.60	0.00
TCP Cubic	10	76.45	116.82	0.00
FillP	10	798.58	231.58	1.43
Indigo	10	148.05	108.12	0.00
LEDBAT	10	6.50	112.81	0.00
PCC-Allegro	10	456.64	218.80	1.86
PCC-Expr	10	232.09	135.00	0.09
QUIC Cubic	7	59.90	110.97	0.01
SCReAM	10	0.21	112.00	0.00
Sprout	10	0.22	112.08	0.00
TaoVA-100x	9	71.08	111.82	0.00
TCP Vegas	10	44.55	111.92	0.00
Verus	10	152.81	174.49	0.57
PCC-Vivace	10	315.95	113.15	0.00
WebRTC media	10	2.03	110.31	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 03:25:13

End at: 2018-06-05 03:25:43

Local clock offset: 14.1 ms

Remote clock offset: 19.508 ms

Below is generated by plot.py at 2018-06-05 06:45:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.66 Mbit/s

95th percentile per-packet one-way delay: 114.207 ms

Loss rate: 0.01%

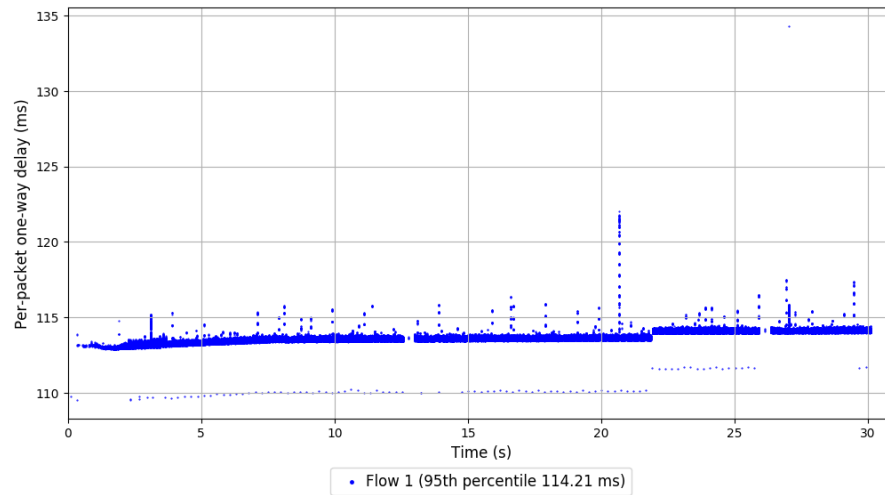
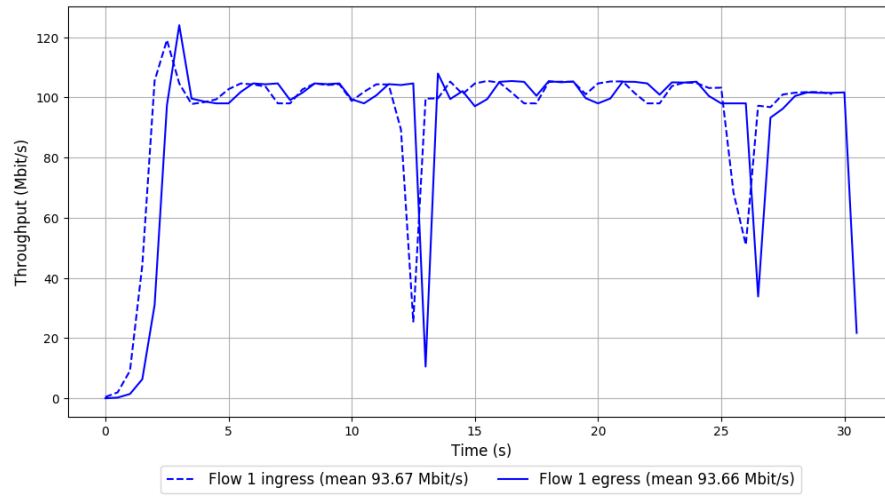
-- Flow 1:

Average throughput: 93.66 Mbit/s

95th percentile per-packet one-way delay: 114.207 ms

Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link

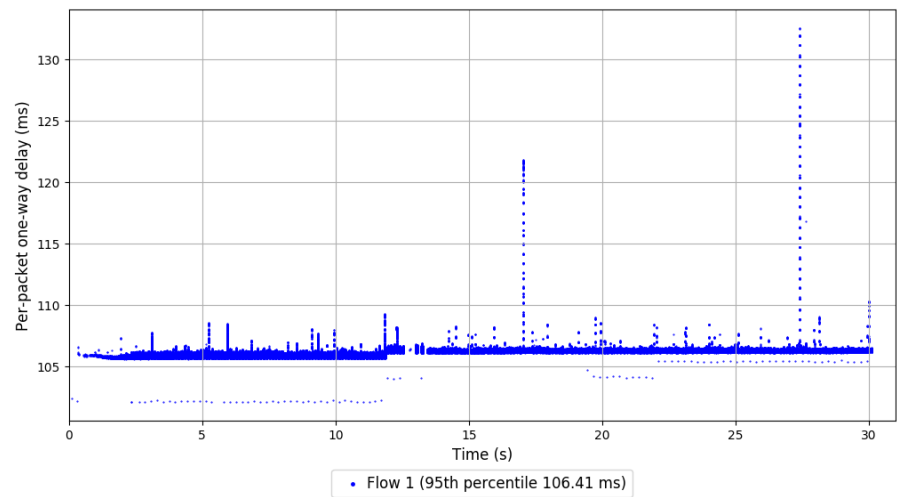
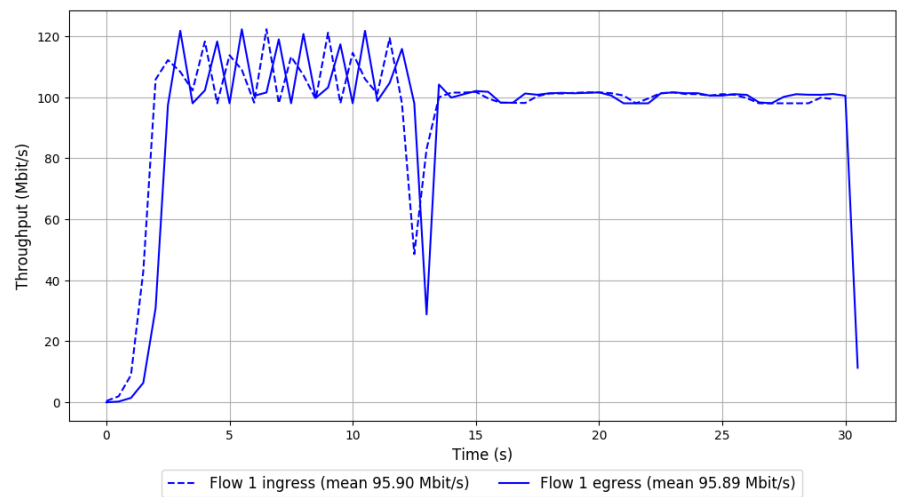


Run 2: Statistics of TCP BBR

Start at: 2018-06-05 03:45:53
End at: 2018-06-05 03:46:23
Local clock offset: 24.898 ms
Remote clock offset: 23.877 ms

Below is generated by plot.py at 2018-06-05 06:45:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 106.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 106.412 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

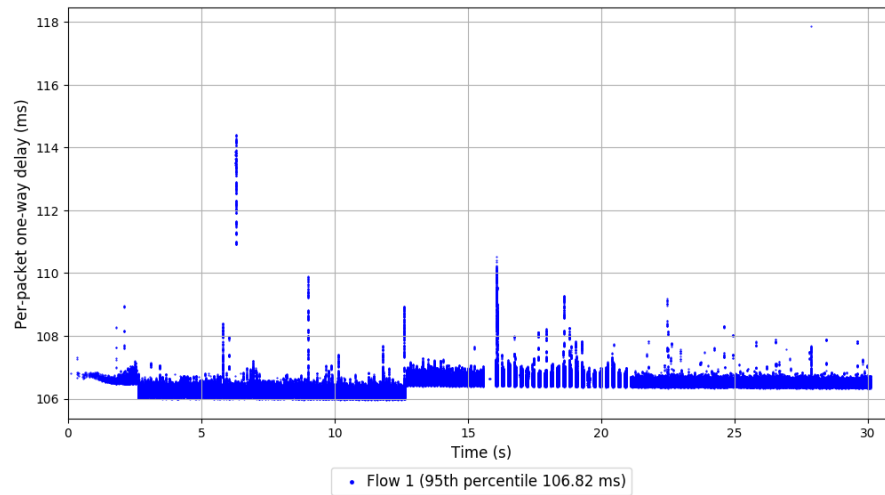
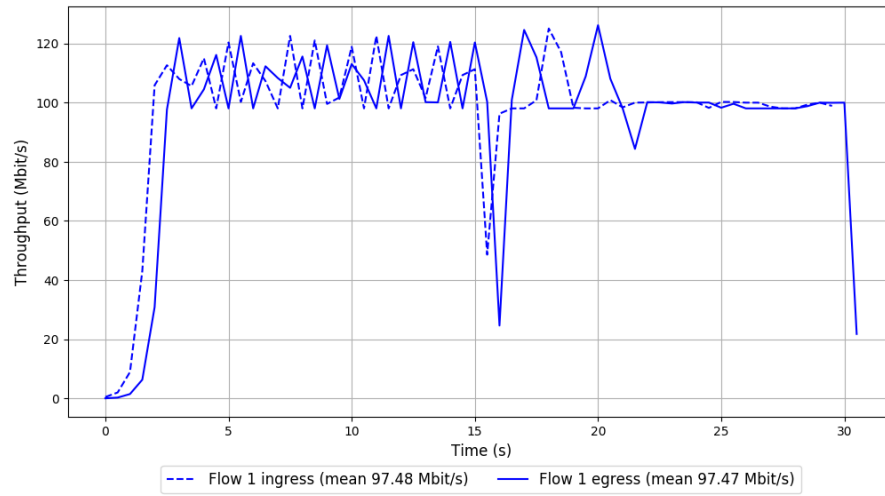


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 04:06:32
End at: 2018-06-05 04:07:02
Local clock offset: 30.439 ms
Remote clock offset: 32.446 ms

Below is generated by plot.py at 2018-06-05 06:45:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 106.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 106.819 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-05 04:27:09

End at: 2018-06-05 04:27:39

Local clock offset: 14.651 ms

Remote clock offset: 15.68 ms

Below is generated by plot.py at 2018-06-05 06:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 112.665 ms

Loss rate: 0.00%

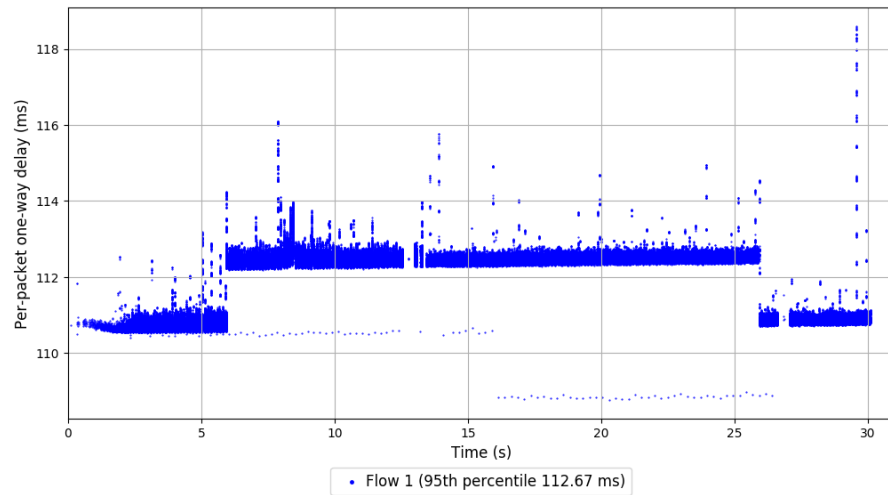
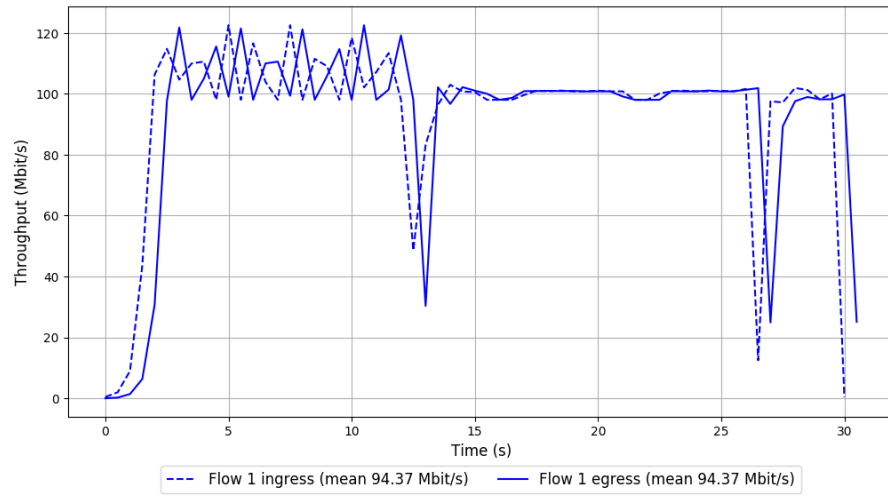
-- Flow 1:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 112.665 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

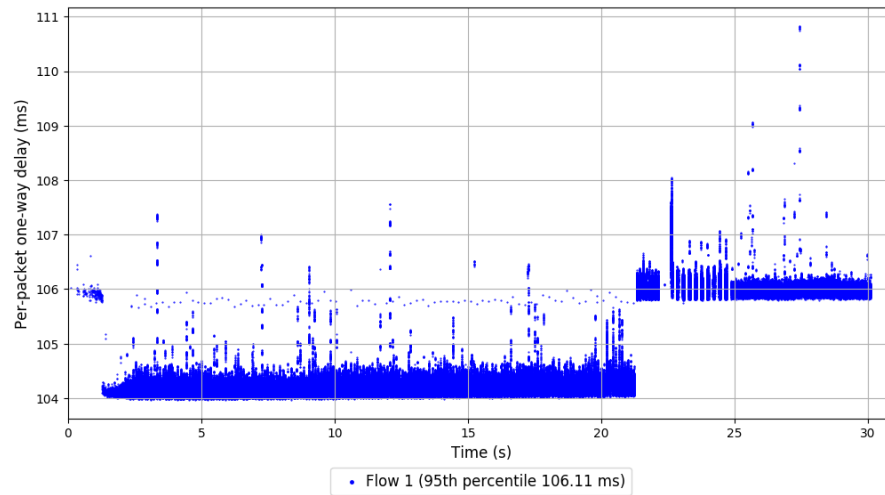
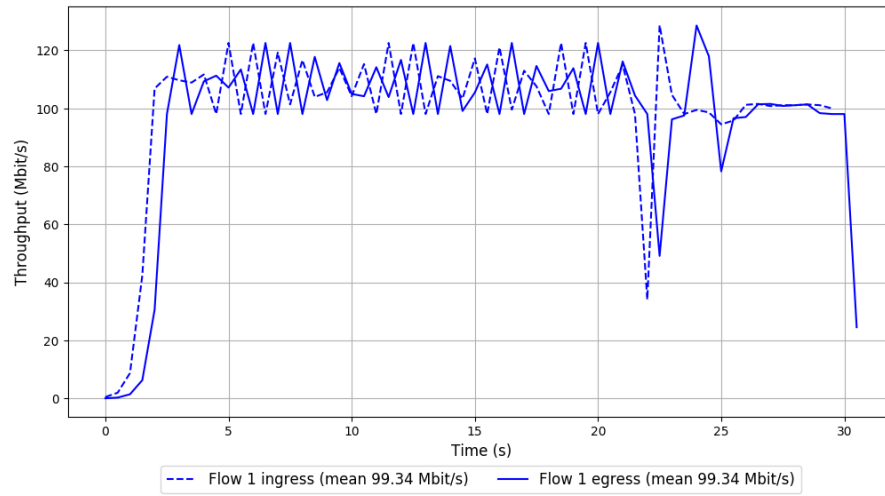


Run 5: Statistics of TCP BBR

Start at: 2018-06-05 04:47:44
End at: 2018-06-05 04:48:14
Local clock offset: 21.779 ms
Remote clock offset: 10.226 ms

Below is generated by plot.py at 2018-06-05 06:45:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.34 Mbit/s
95th percentile per-packet one-way delay: 106.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.34 Mbit/s
95th percentile per-packet one-way delay: 106.111 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-05 05:08:36

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

Local clock offset: 5.95 ms

Remote clock offset: 3.872 ms

Below is generated by plot.py at 2018-06-05 06:45:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 112.617 ms

Loss rate: 0.00%

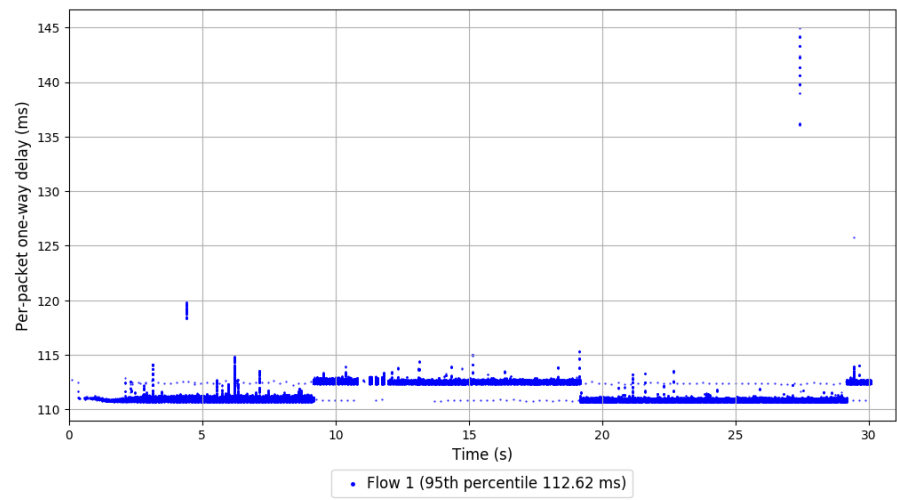
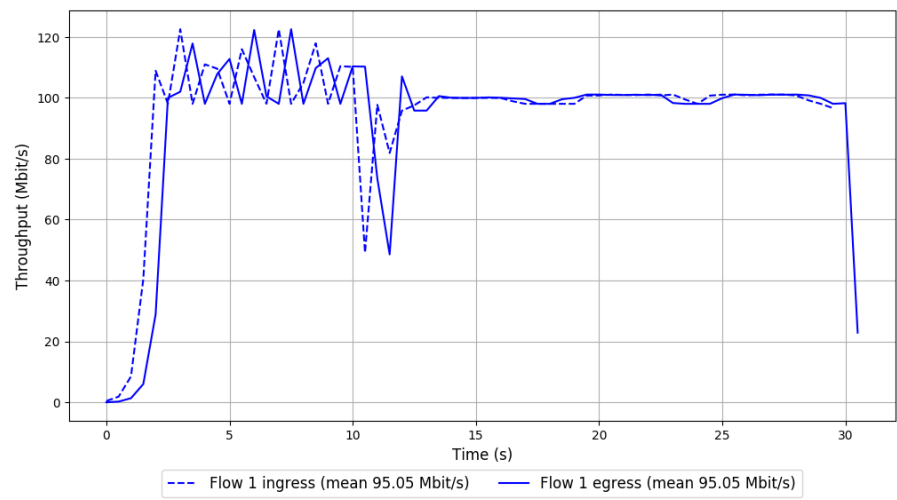
-- Flow 1:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 112.617 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-05 05:28:57

End at: 2018-06-05 05:29:28

Local clock offset: 5.308 ms

Remote clock offset: 3.313 ms

Below is generated by plot.py at 2018-06-05 06:45:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 112.440 ms

Loss rate: 0.00%

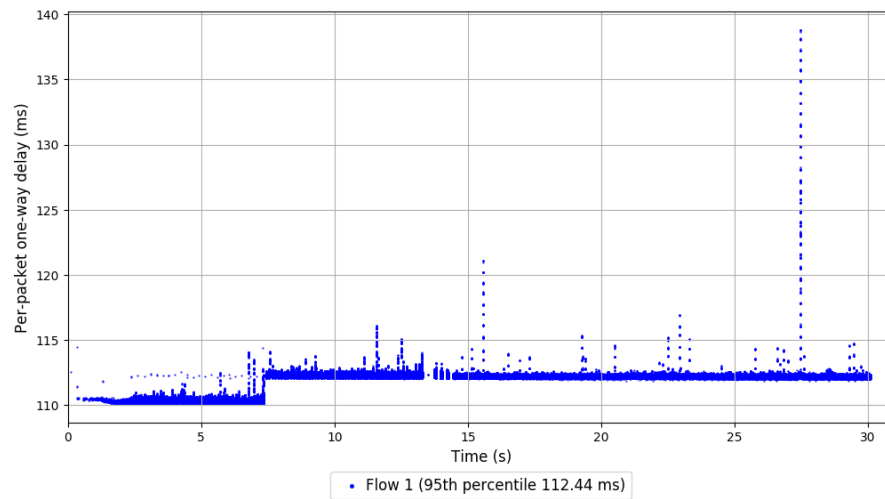
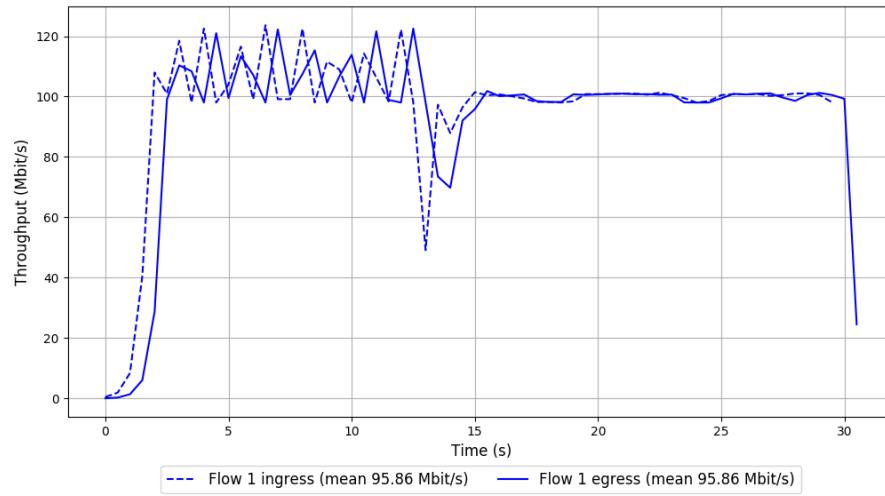
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 112.440 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-05 05:49:22

End at: 2018-06-05 05:49:52

Local clock offset: 1.75 ms

Remote clock offset: 1.942 ms

Below is generated by plot.py at 2018-06-05 06:45:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.00%

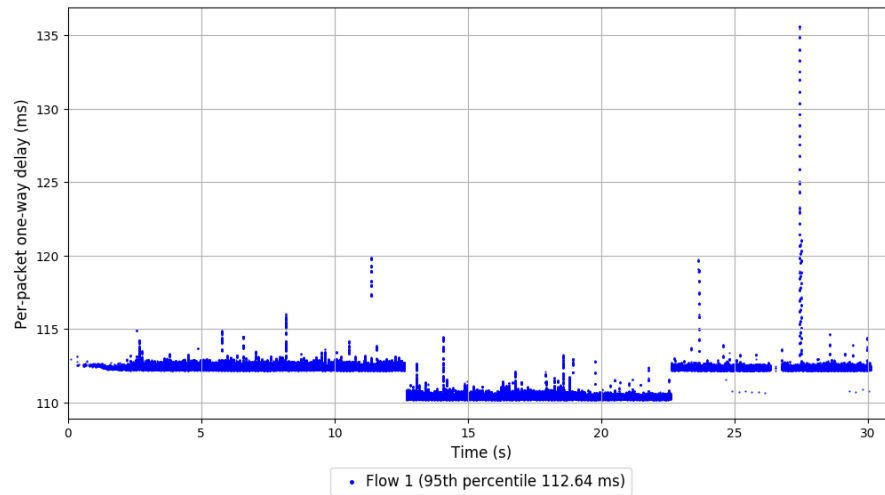
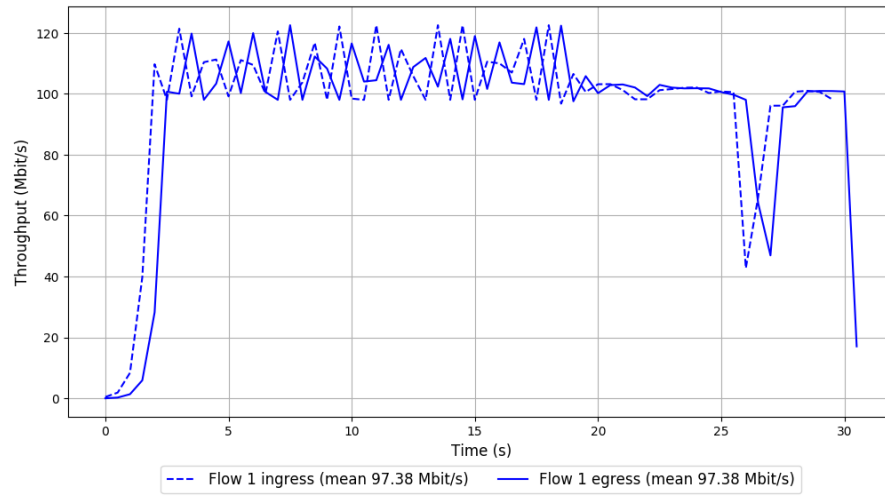
-- Flow 1:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-05 06:09:49

End at: 2018-06-05 06:10:19

Local clock offset: 0.779 ms

Remote clock offset: 1.376 ms

Below is generated by plot.py at 2018-06-05 06:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.64 Mbit/s

95th percentile per-packet one-way delay: 113.173 ms

Loss rate: 0.00%

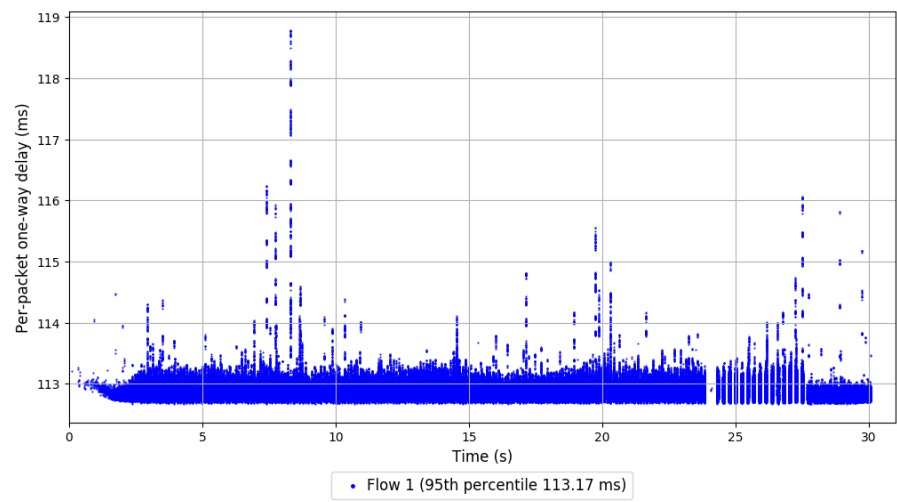
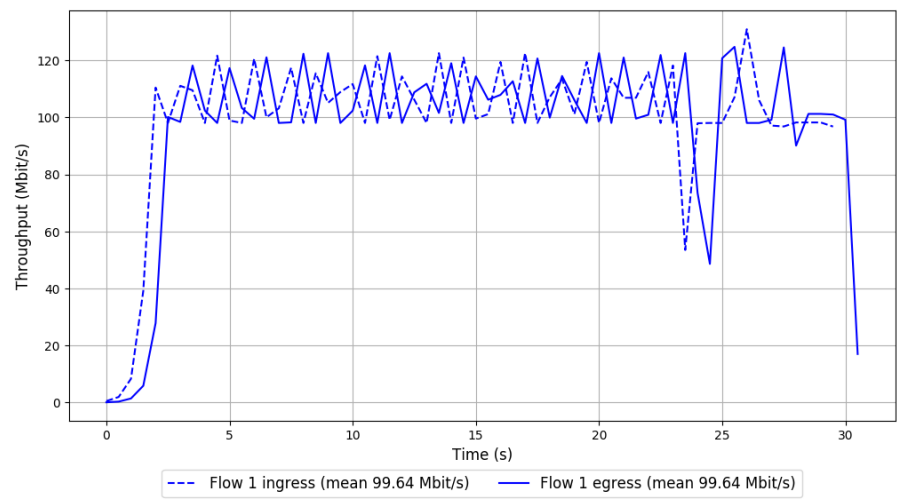
-- Flow 1:

Average throughput: 99.64 Mbit/s

95th percentile per-packet one-way delay: 113.173 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-05 06:30:46

End at: 2018-06-05 06:31:16

Local clock offset: 0.498 ms

Remote clock offset: 1.061 ms

Below is generated by plot.py at 2018-06-05 06:47:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 112.773 ms

Loss rate: 0.00%

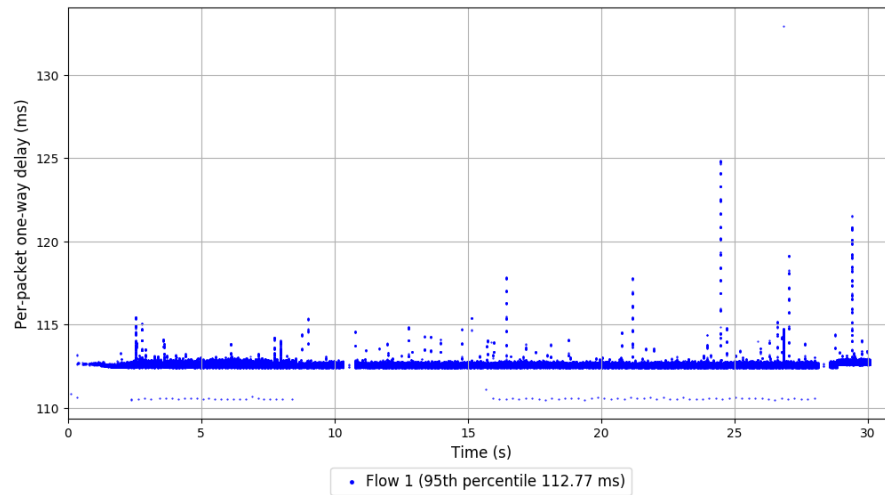
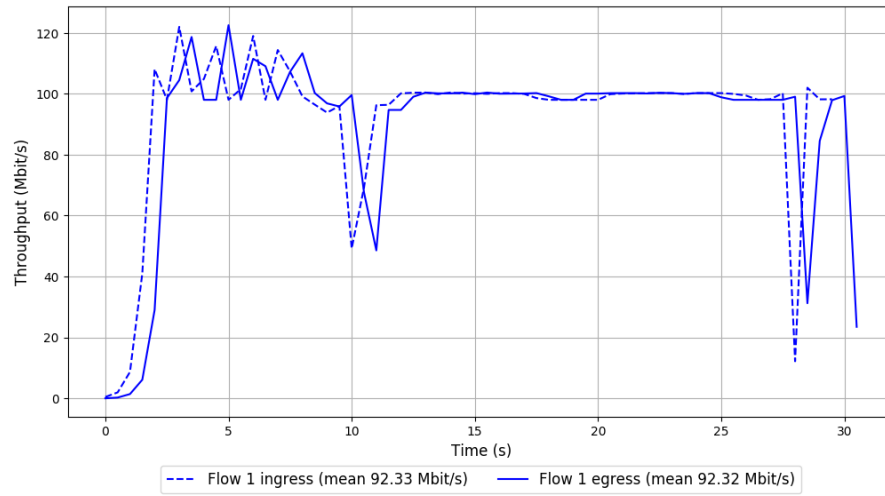
-- Flow 1:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 112.773 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

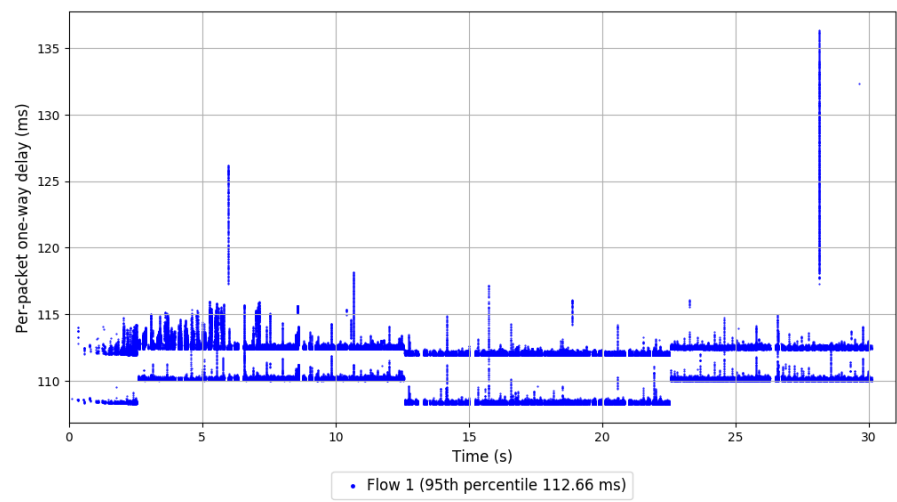
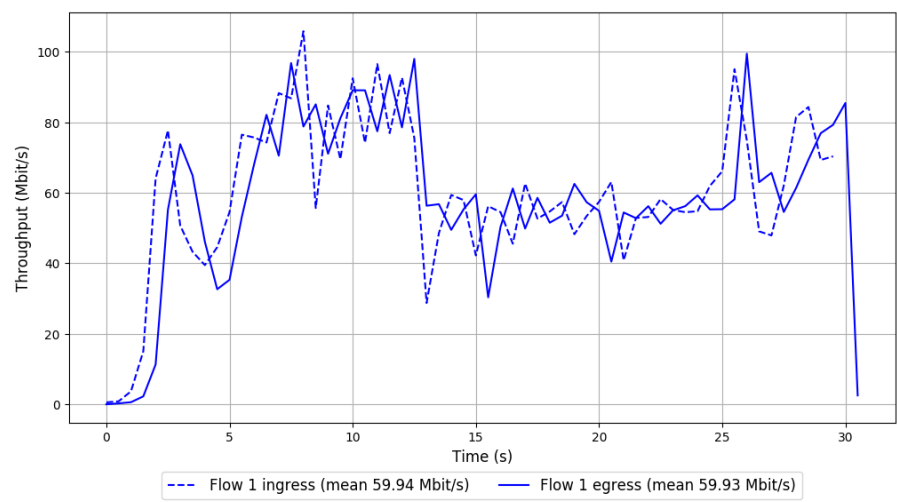


Run 1: Statistics of Copa

Start at: 2018-06-05 03:29:02
End at: 2018-06-05 03:29:32
Local clock offset: 10.836 ms
Remote clock offset: 14.072 ms

Below is generated by plot.py at 2018-06-05 06:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 112.659 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 112.659 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

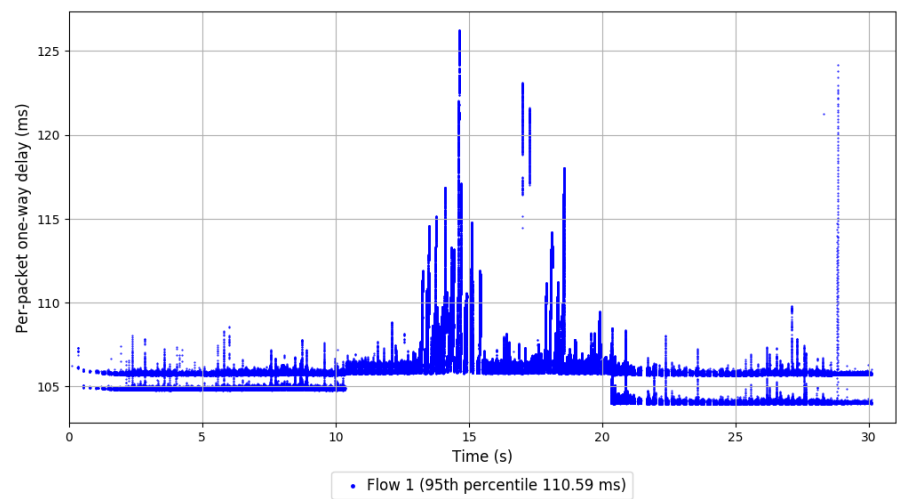
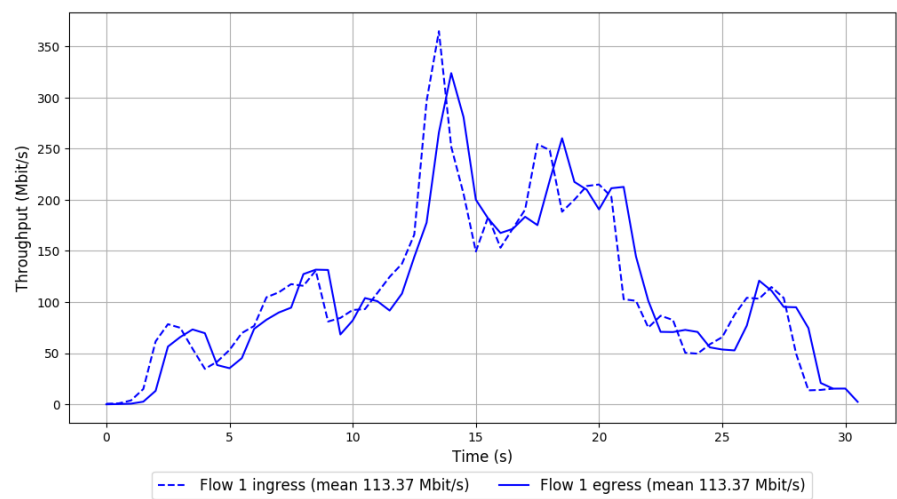


Run 2: Statistics of Copa

Start at: 2018-06-05 03:49:54
End at: 2018-06-05 03:50:24
Local clock offset: 22.862 ms
Remote clock offset: 21.62 ms

Below is generated by plot.py at 2018-06-05 06:49:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.37 Mbit/s
95th percentile per-packet one-way delay: 110.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.37 Mbit/s
95th percentile per-packet one-way delay: 110.593 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

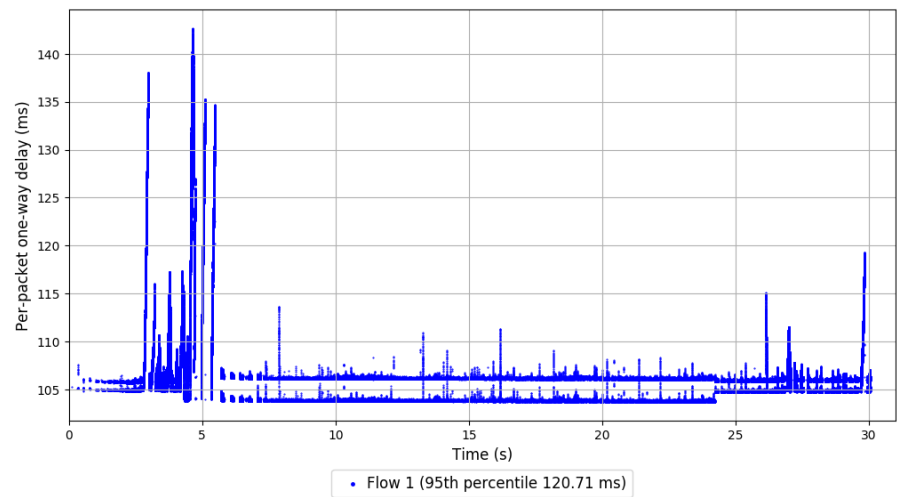
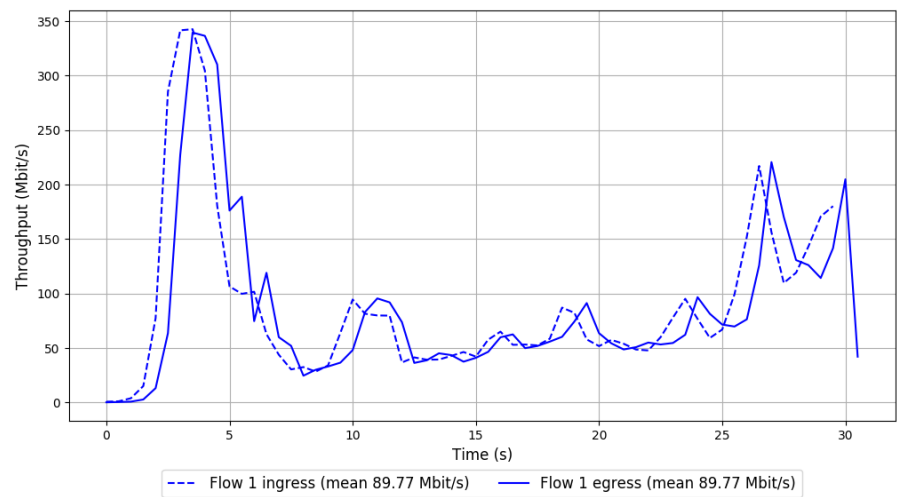


Run 3: Statistics of Copa

Start at: 2018-06-05 04:10:31
End at: 2018-06-05 04:11:01
Local clock offset: 33.687 ms
Remote clock offset: 36.465 ms

Below is generated by plot.py at 2018-06-05 06:49:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 120.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 120.707 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

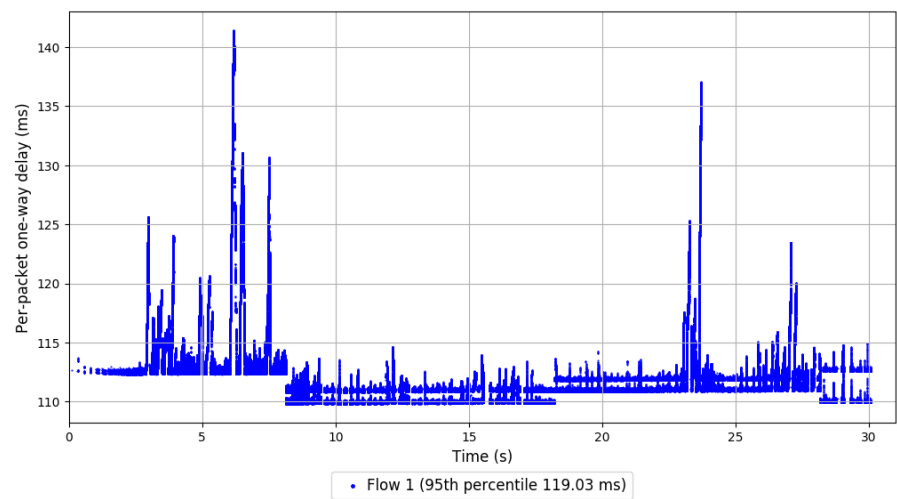
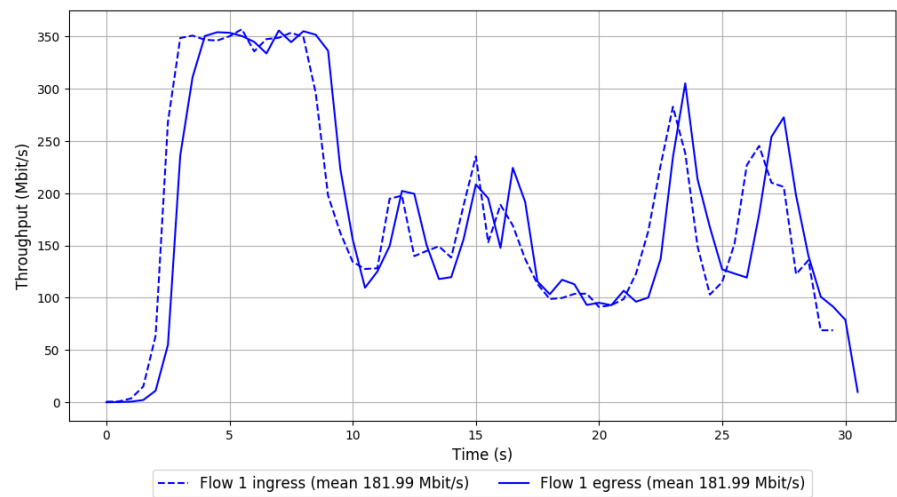


Run 4: Statistics of Copa

Start at: 2018-06-05 04:30:57
End at: 2018-06-05 04:31:27
Local clock offset: 12.711 ms
Remote clock offset: 12.325 ms

Below is generated by plot.py at 2018-06-05 06:51:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.99 Mbit/s
95th percentile per-packet one-way delay: 119.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.99 Mbit/s
95th percentile per-packet one-way delay: 119.029 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

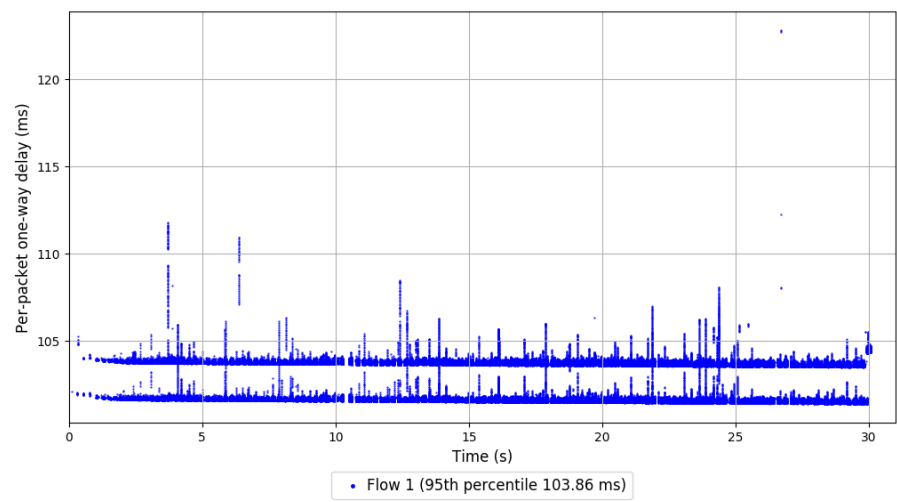
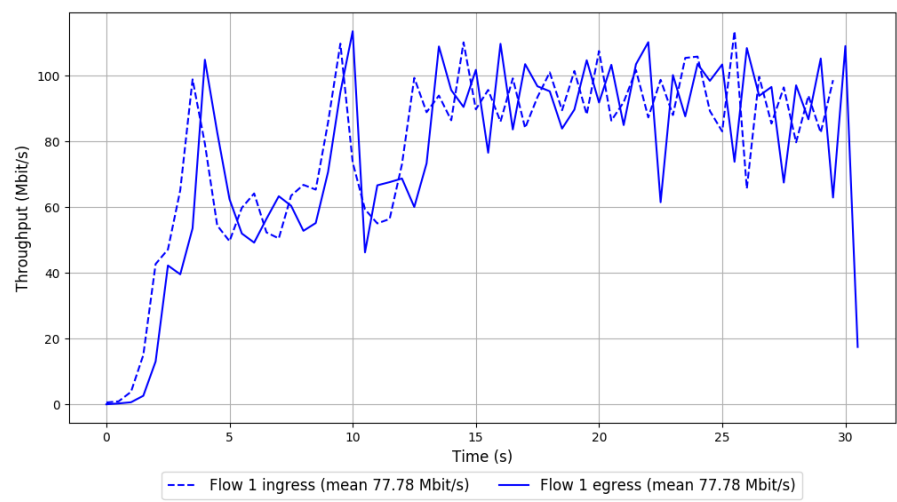


Run 5: Statistics of Copa

Start at: 2018-06-05 04:51:35
End at: 2018-06-05 04:52:05
Local clock offset: 22.19 ms
Remote clock offset: 10.107 ms

Below is generated by plot.py at 2018-06-05 06:51:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 103.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 103.860 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-05 05:12:23

End at: 2018-06-05 05:12:53

Local clock offset: 6.27 ms

Remote clock offset: 4.296 ms

Below is generated by plot.py at 2018-06-05 06:51:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.43 Mbit/s

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

Loss rate: 0.00%

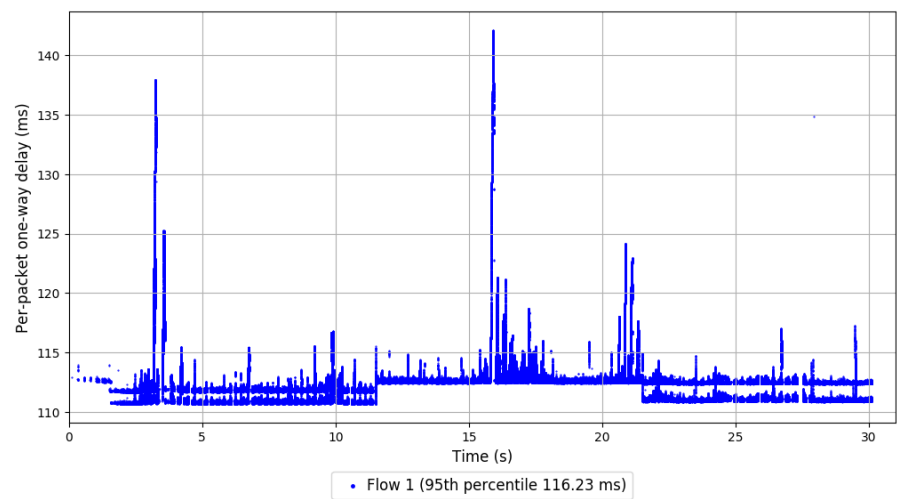
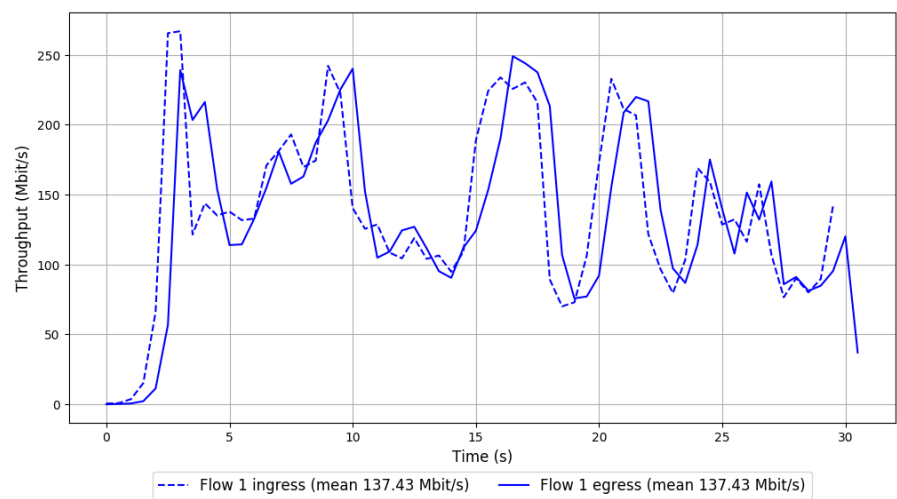
-- Flow 1:

Average throughput: 137.43 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-05 05:32:53

End at: 2018-06-05 05:33:23

Local clock offset: 3.556 ms

Remote clock offset: 2.441 ms

Below is generated by plot.py at 2018-06-05 06:51:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.80 Mbit/s

95th percentile per-packet one-way delay: 122.210 ms

Loss rate: 0.00%

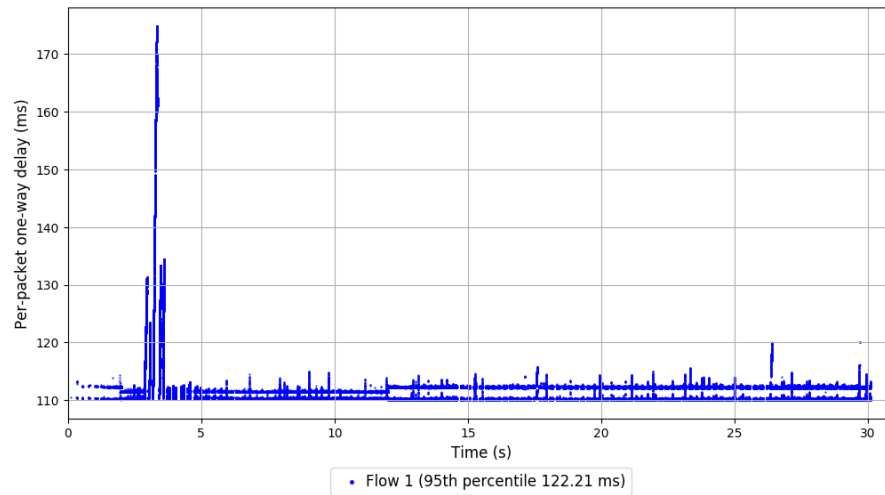
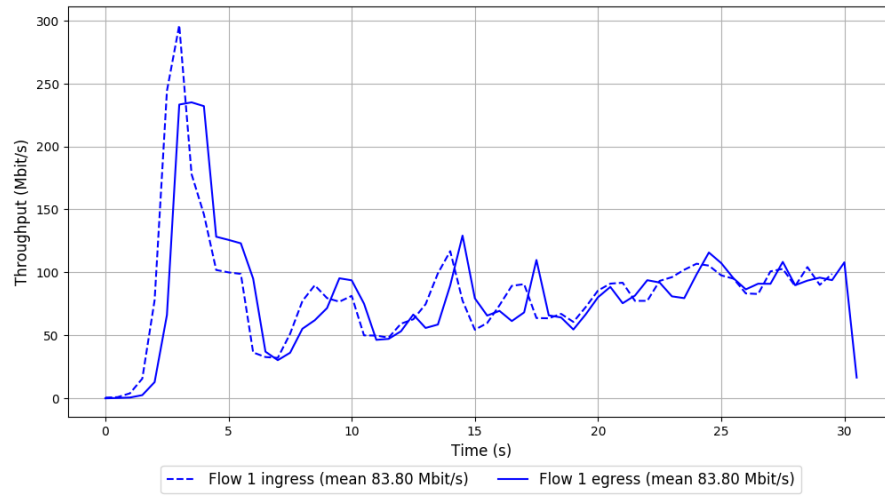
-- Flow 1:

Average throughput: 83.80 Mbit/s

95th percentile per-packet one-way delay: 122.210 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-05 05:53:11

End at: 2018-06-05 05:53:41

Local clock offset: 1.385 ms

Remote clock offset: 2.053 ms

Below is generated by plot.py at 2018-06-05 06:53:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.18 Mbit/s

95th percentile per-packet one-way delay: 122.797 ms

Loss rate: 0.00%

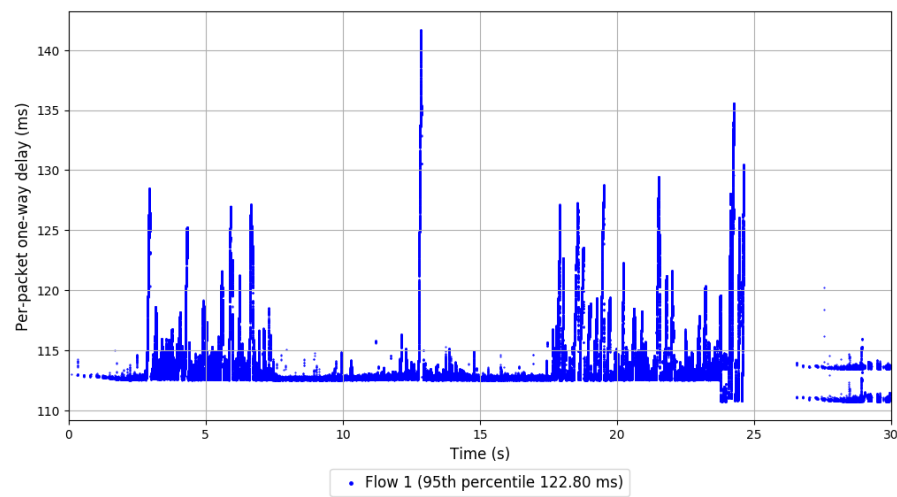
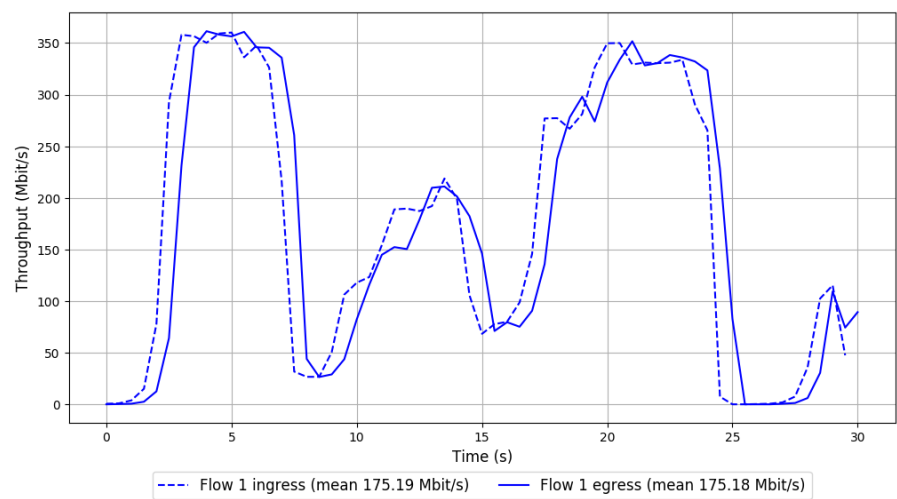
-- Flow 1:

Average throughput: 175.18 Mbit/s

95th percentile per-packet one-way delay: 122.797 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-05 06:13:51

End at: 2018-06-05 06:14:21

Local clock offset: 0.619 ms

Remote clock offset: 0.857 ms

Below is generated by plot.py at 2018-06-05 06:53:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.09 Mbit/s

95th percentile per-packet one-way delay: 120.175 ms

Loss rate: 0.00%

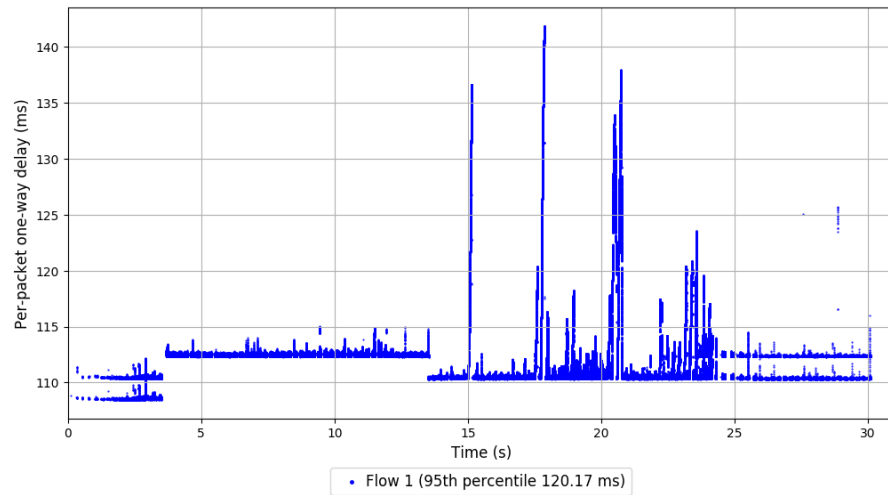
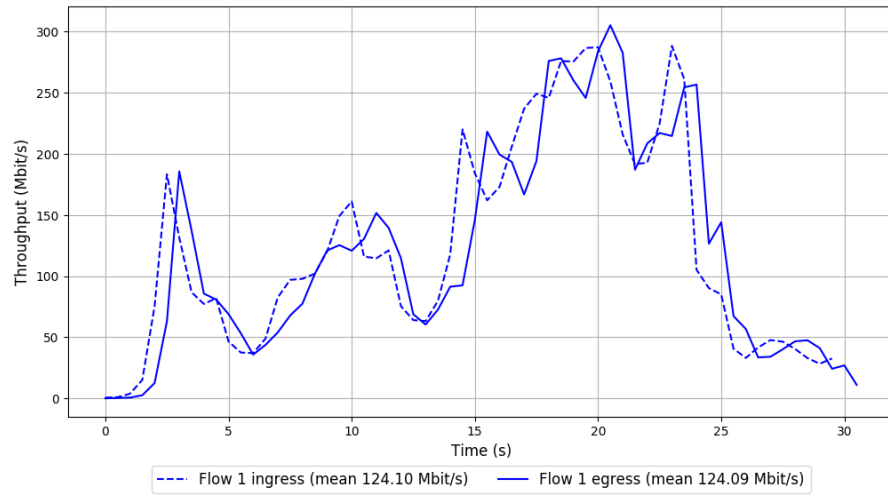
-- Flow 1:

Average throughput: 124.09 Mbit/s

95th percentile per-packet one-way delay: 120.175 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-05 06:34:38

End at: 2018-06-05 06:35:08

Local clock offset: 0.38 ms

Remote clock offset: 0.92 ms

Below is generated by plot.py at 2018-06-05 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.96 Mbit/s

95th percentile per-packet one-way delay: 117.745 ms

Loss rate: 0.00%

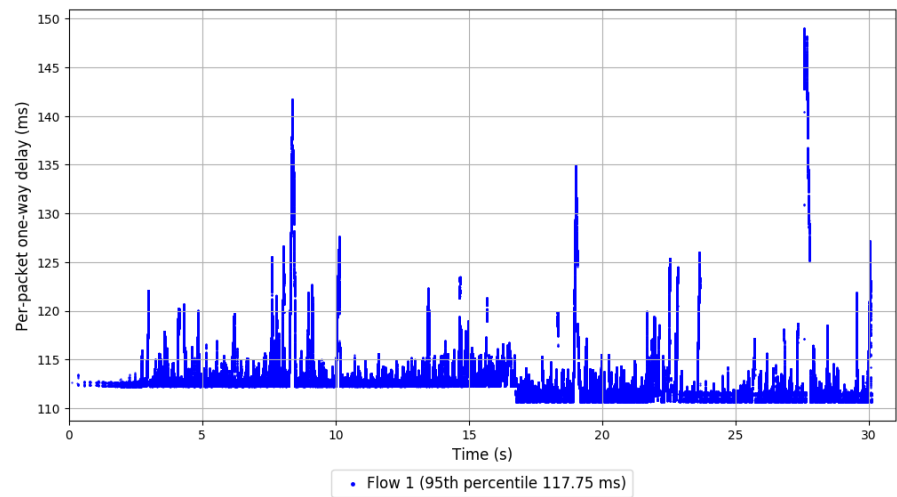
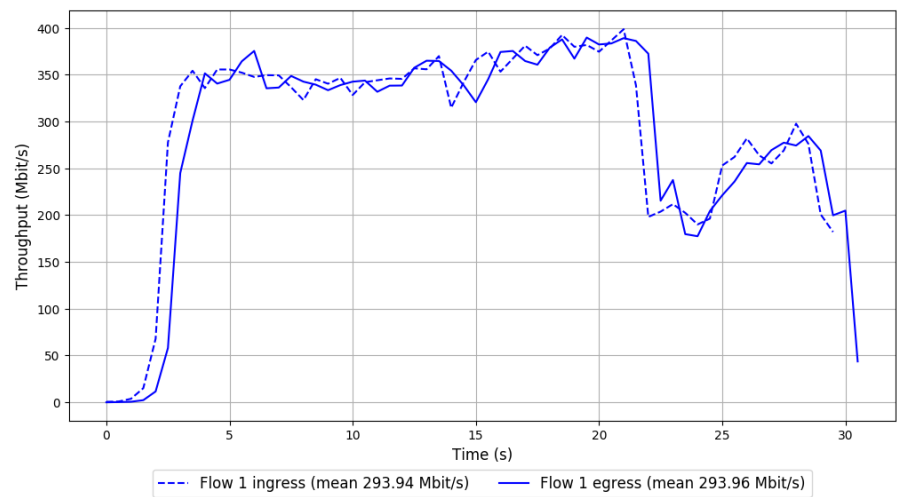
-- Flow 1:

Average throughput: 293.96 Mbit/s

95th percentile per-packet one-way delay: 117.745 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 03:12:25

End at: 2018-06-05 03:12:55

Local clock offset: 11.313 ms

Remote clock offset: 8.671 ms

Below is generated by plot.py at 2018-06-05 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 112.941 ms

Loss rate: 0.00%

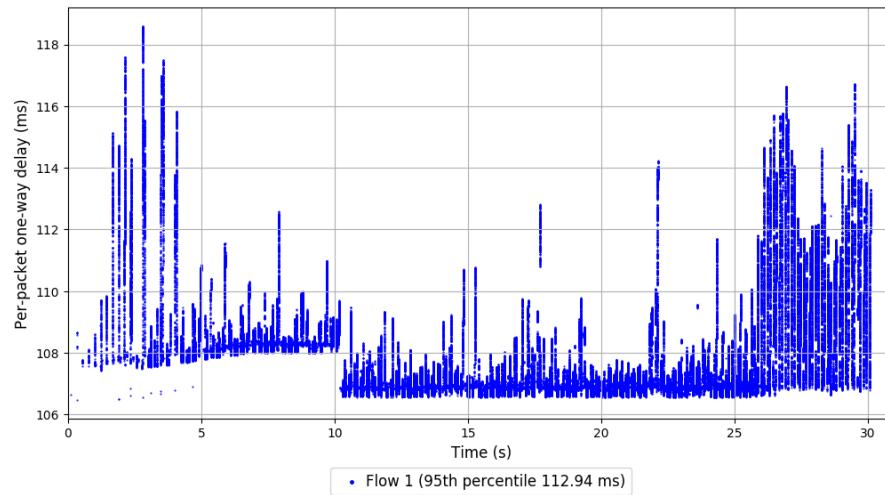
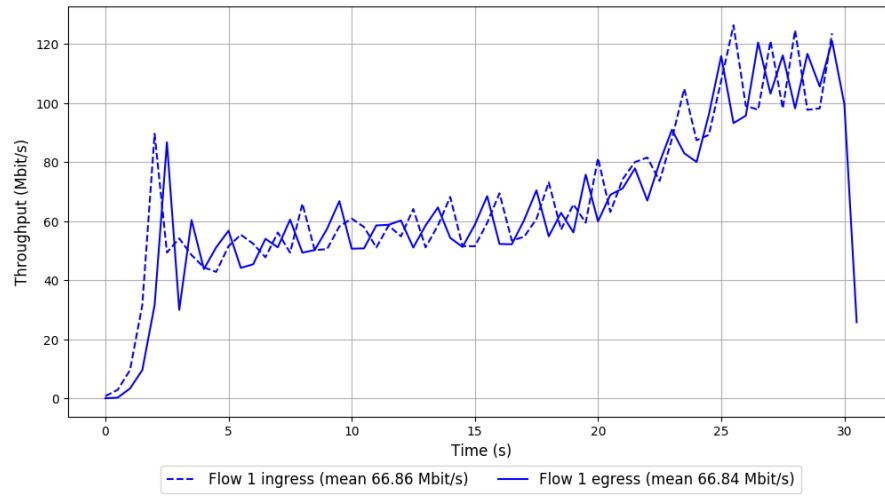
-- Flow 1:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 112.941 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

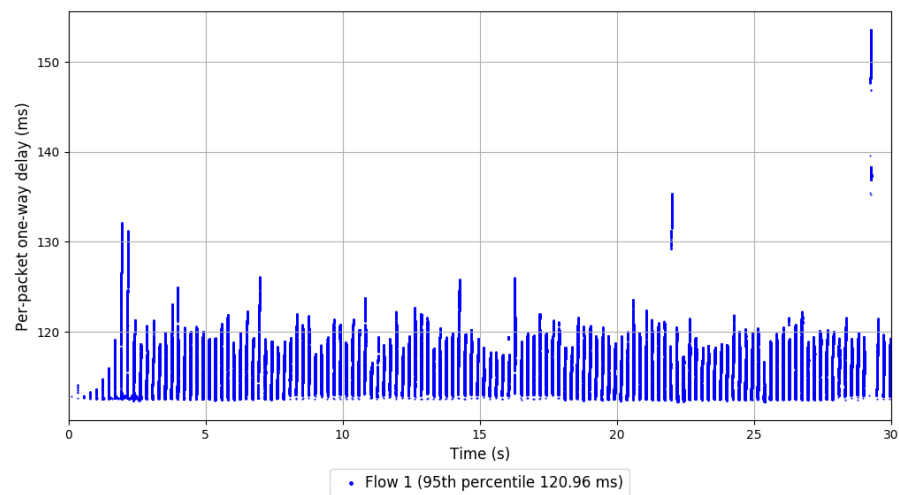
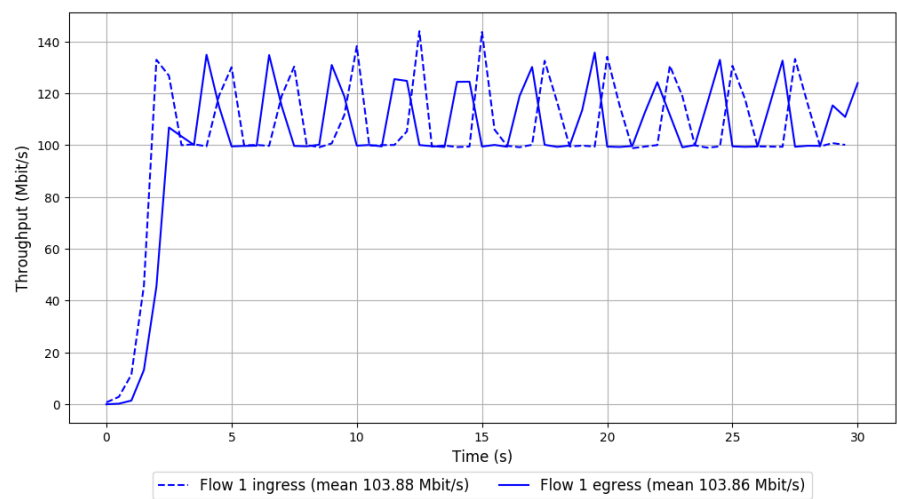


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 03:32:47
End at: 2018-06-05 03:33:17
Local clock offset: 11.923 ms
Remote clock offset: 16.123 ms

Below is generated by plot.py at 2018-06-05 06:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.86 Mbit/s
95th percentile per-packet one-way delay: 120.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.86 Mbit/s
95th percentile per-packet one-way delay: 120.961 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

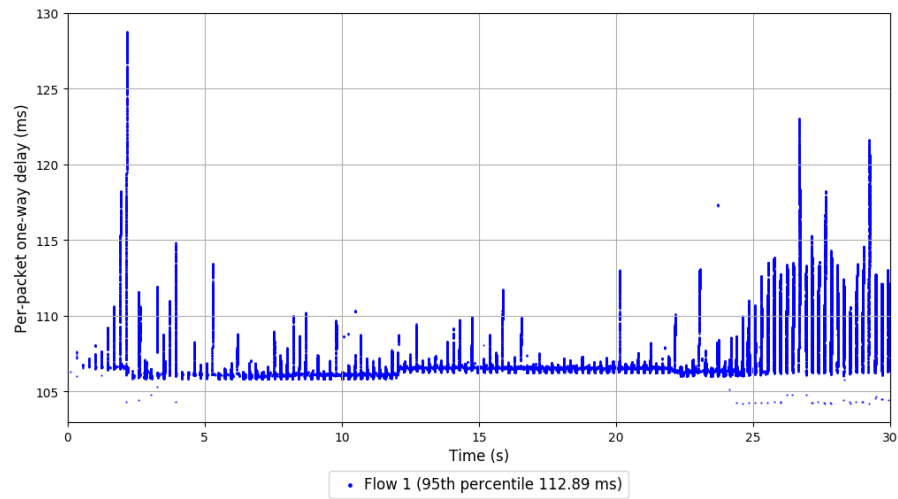
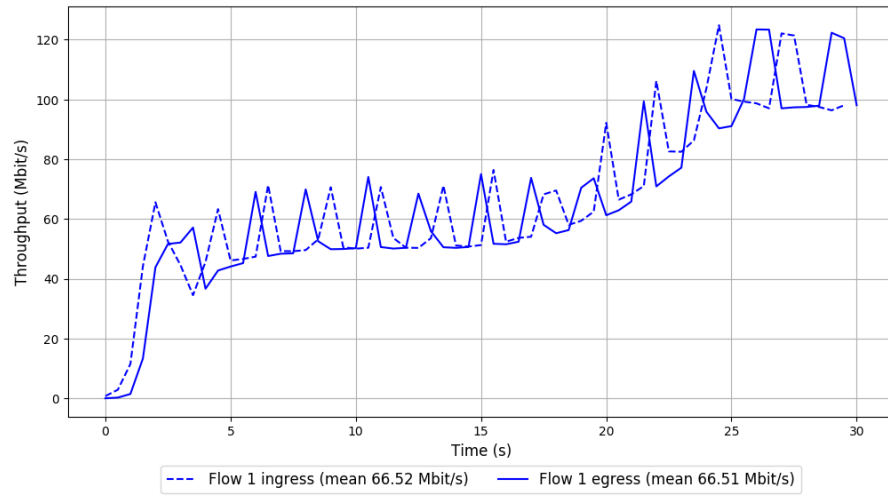


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 03:53:43
End at: 2018-06-05 03:54:13
Local clock offset: 22.966 ms
Remote clock offset: 22.139 ms

Below is generated by plot.py at 2018-06-05 06:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.51 Mbit/s
95th percentile per-packet one-way delay: 112.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.51 Mbit/s
95th percentile per-packet one-way delay: 112.893 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

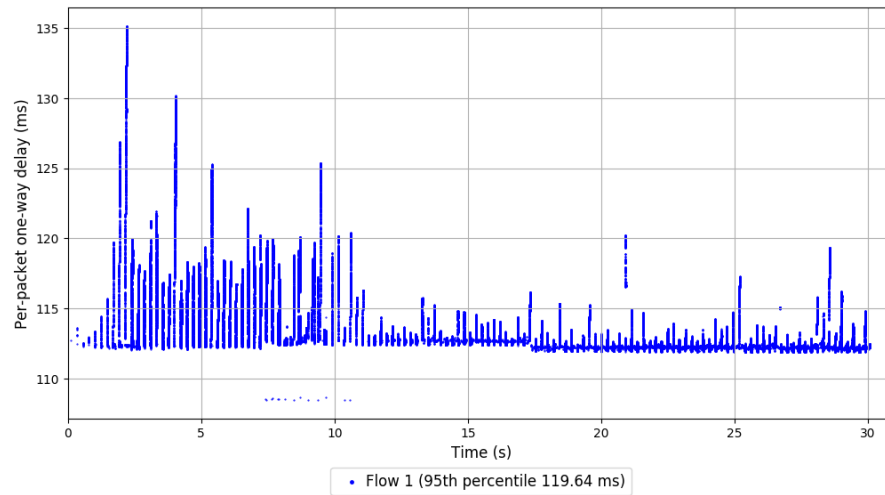
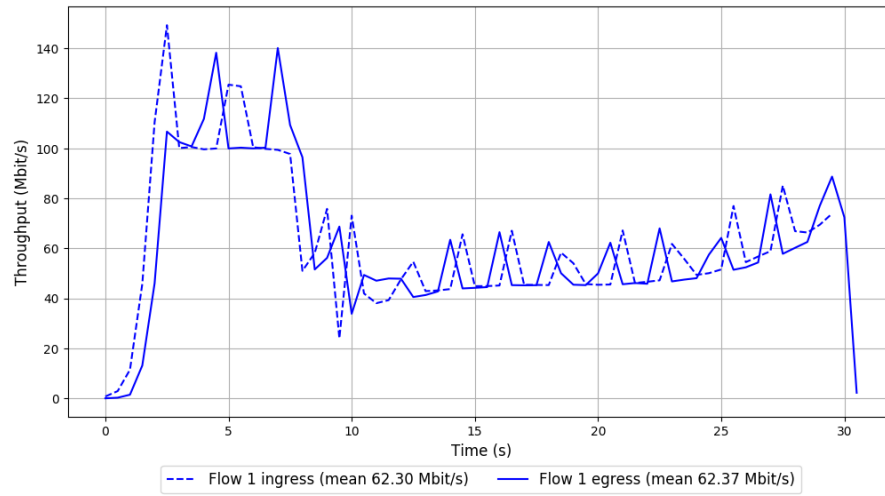


Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 04:14:17
End at: 2018-06-05 04:14:47
Local clock offset: 30.522 ms
Remote clock offset: 40.721 ms

Below is generated by plot.py at 2018-06-05 06:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 119.636 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 119.636 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

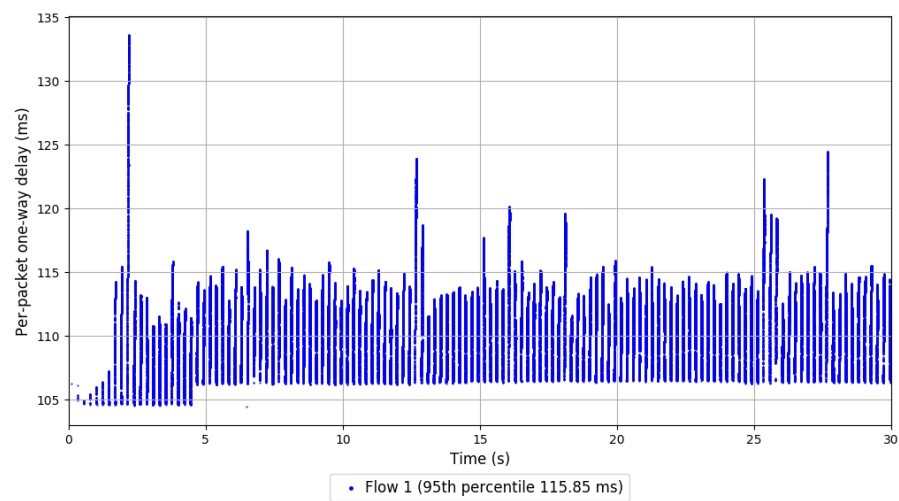
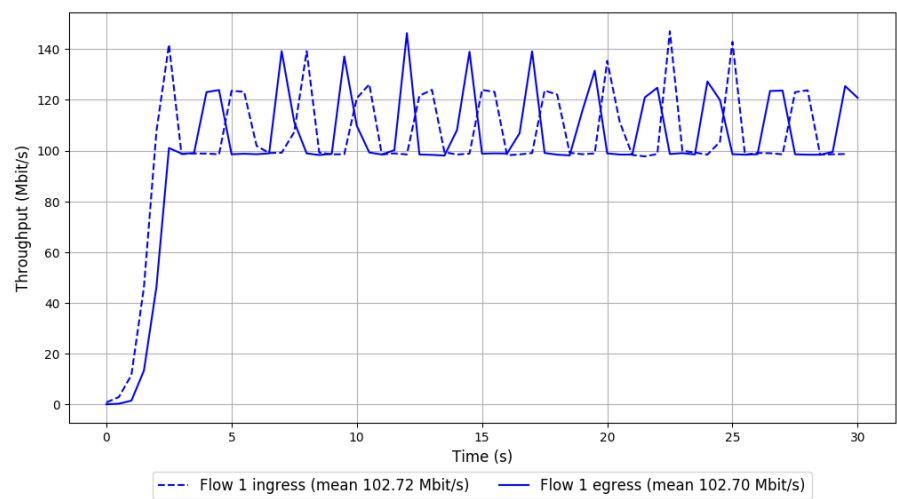


Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 04:34:50
End at: 2018-06-05 04:35:20
Local clock offset: 18.683 ms
Remote clock offset: 10.671 ms

Below is generated by plot.py at 2018-06-05 06:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 102.70 Mbit/s
95th percentile per-packet one-way delay: 115.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.70 Mbit/s
95th percentile per-packet one-way delay: 115.849 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 04:55:21

End at: 2018-06-05 04:55:51

Local clock offset: 11.015 ms

Remote clock offset: 7.103 ms

Below is generated by plot.py at 2018-06-05 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.97 Mbit/s

95th percentile per-packet one-way delay: 122.182 ms

Loss rate: 0.00%

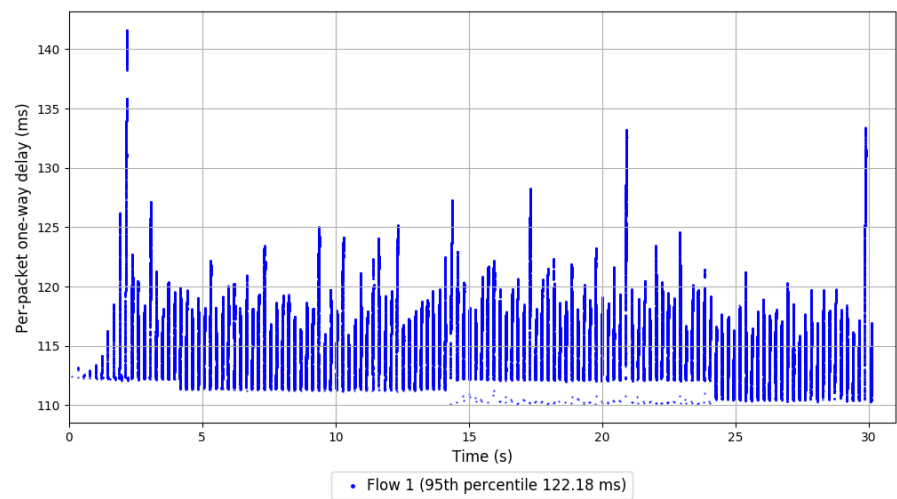
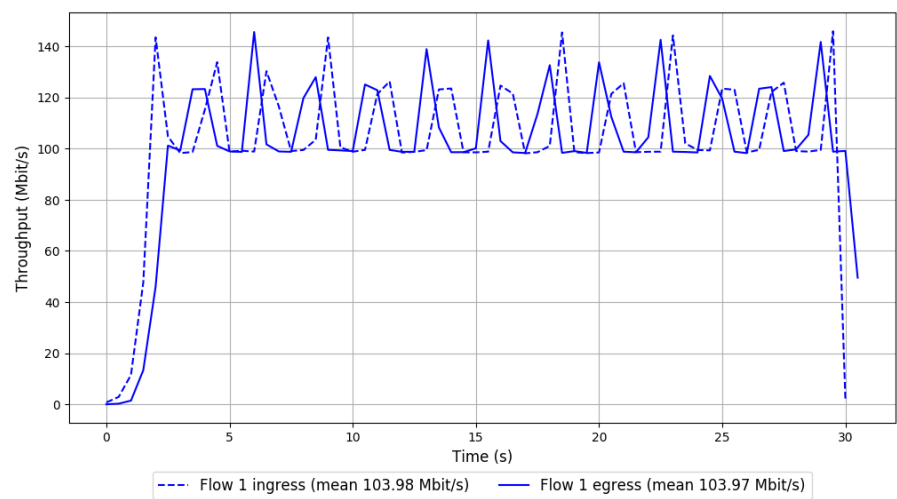
-- Flow 1:

Average throughput: 103.97 Mbit/s

95th percentile per-packet one-way delay: 122.182 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 05:16:12

End at: 2018-06-05 05:16:42

Local clock offset: 12.772 ms

Remote clock offset: 4.121 ms

Below is generated by plot.py at 2018-06-05 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.32 Mbit/s

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

Loss rate: 0.00%

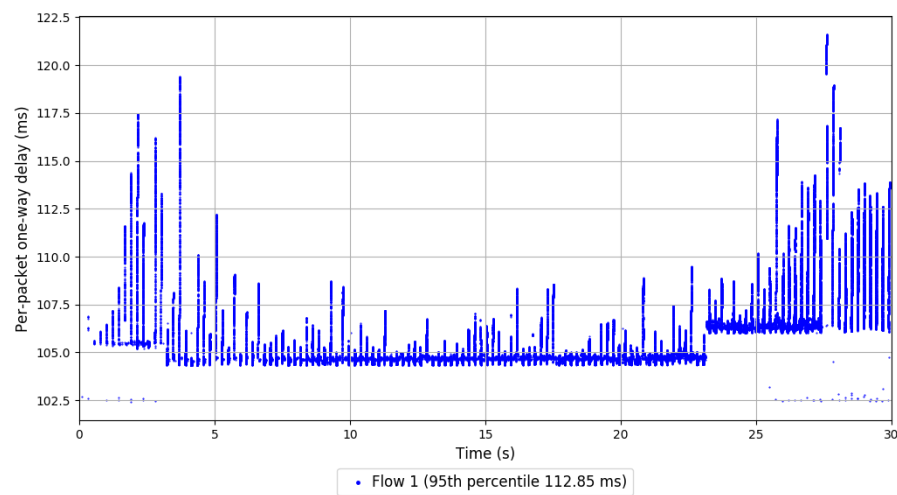
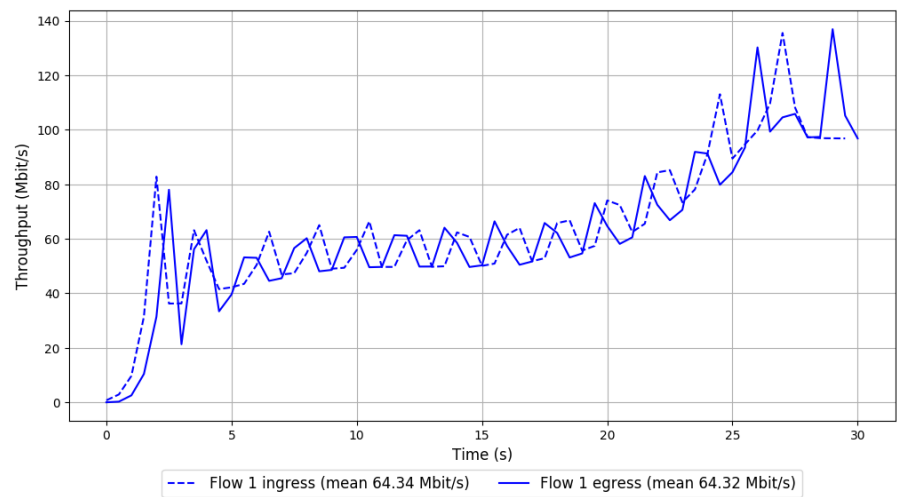
-- Flow 1:

Average throughput: 64.32 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 05:36:31

End at: 2018-06-05 05:37:01

Local clock offset: 2.479 ms

Remote clock offset: 2.042 ms

Below is generated by plot.py at 2018-06-05 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.80 Mbit/s

95th percentile per-packet one-way delay: 116.304 ms

Loss rate: 0.00%

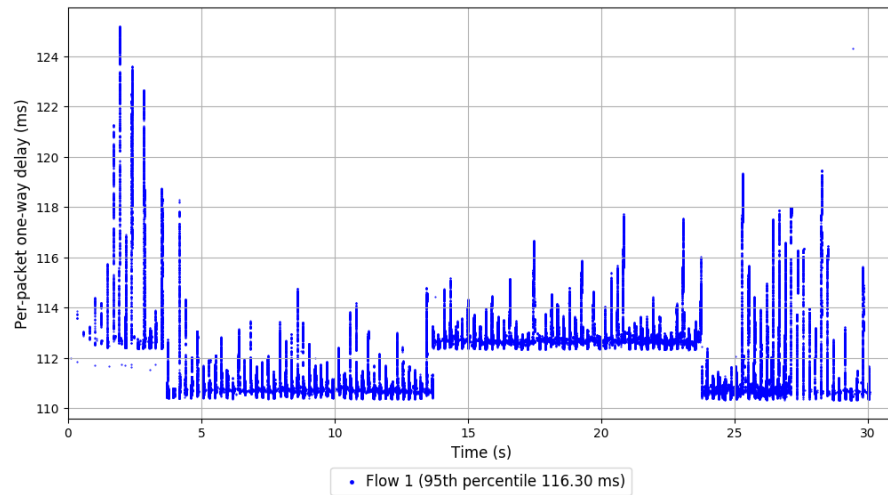
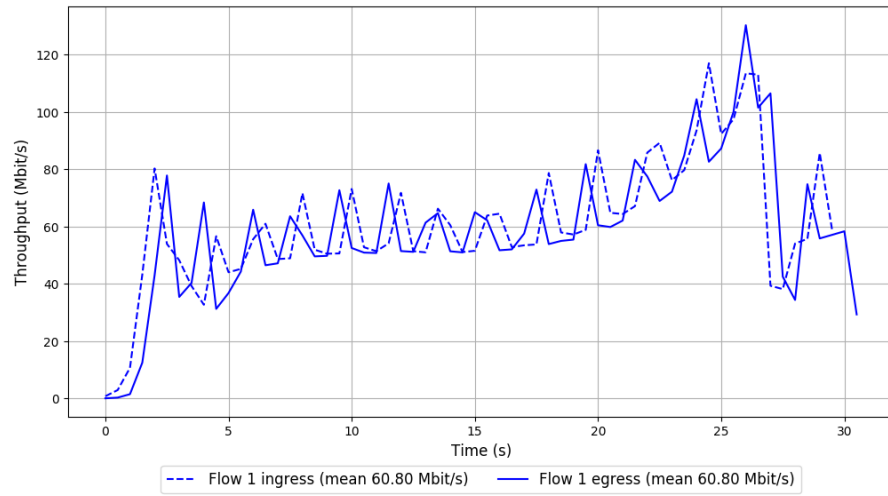
-- Flow 1:

Average throughput: 60.80 Mbit/s

95th percentile per-packet one-way delay: 116.304 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 05:57:02

End at: 2018-06-05 05:57:33

Local clock offset: 1.412 ms

Remote clock offset: 2.253 ms

Below is generated by plot.py at 2018-06-05 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.00 Mbit/s

95th percentile per-packet one-way delay: 116.810 ms

Loss rate: 0.00%

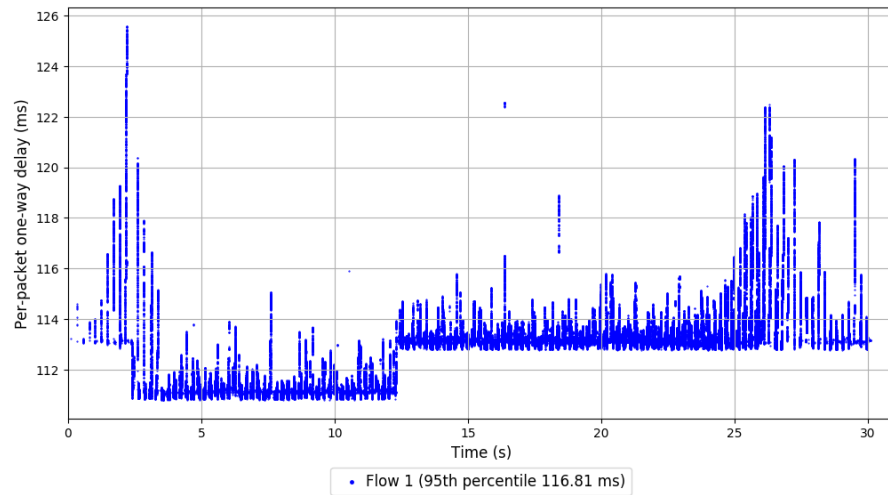
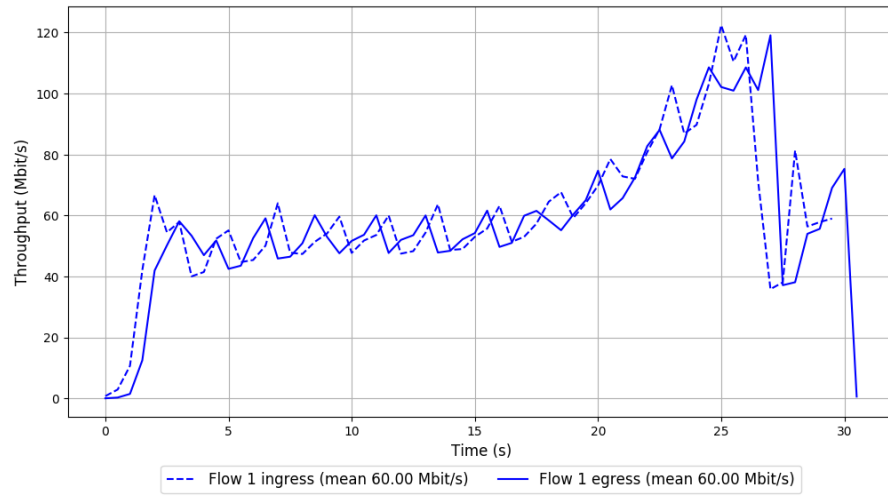
-- Flow 1:

Average throughput: 60.00 Mbit/s

95th percentile per-packet one-way delay: 116.810 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 06:17:41

End at: 2018-06-05 06:18:11

Local clock offset: 0.37 ms

Remote clock offset: 0.854 ms

Below is generated by plot.py at 2018-06-05 06:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.13 Mbit/s

95th percentile per-packet one-way delay: 117.751 ms

Loss rate: 0.01%

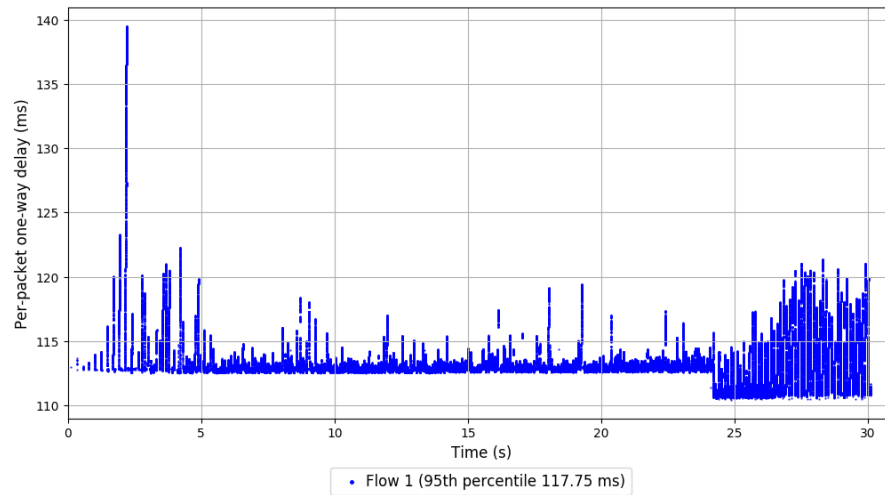
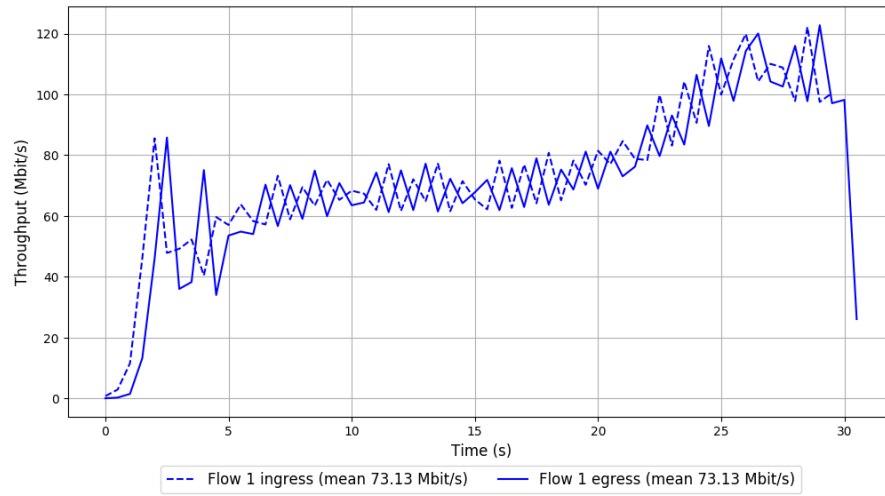
-- Flow 1:

Average throughput: 73.13 Mbit/s

95th percentile per-packet one-way delay: 117.751 ms

Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

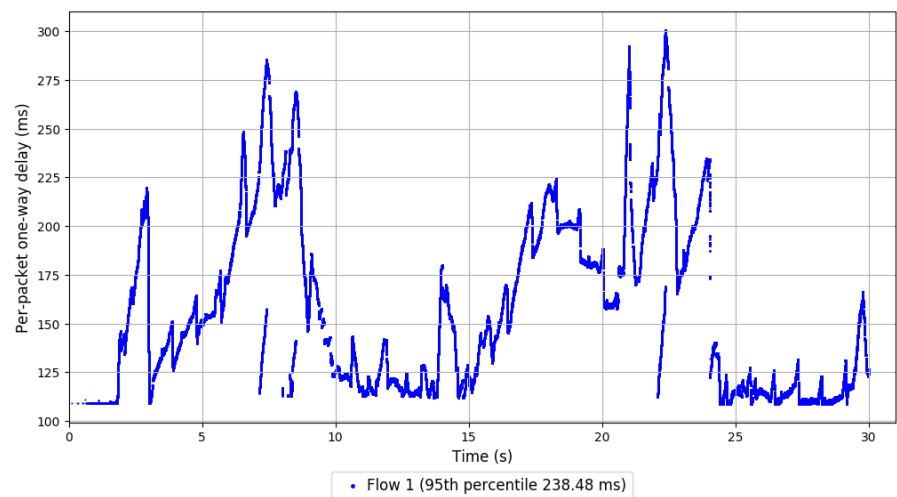
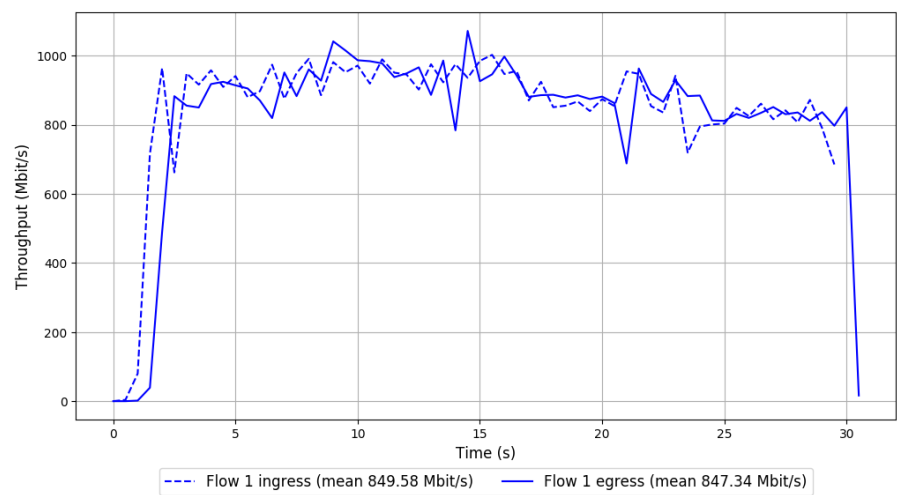


Run 1: Statistics of FillP

Start at: 2018-06-05 03:15:52
End at: 2018-06-05 03:16:22
Local clock offset: 6.933 ms
Remote clock offset: 10.683 ms

Below is generated by plot.py at 2018-06-05 07:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 847.34 Mbit/s
95th percentile per-packet one-way delay: 238.484 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 847.34 Mbit/s
95th percentile per-packet one-way delay: 238.484 ms
Loss rate: 0.26%

Run 1: Report of FillP — Data Link

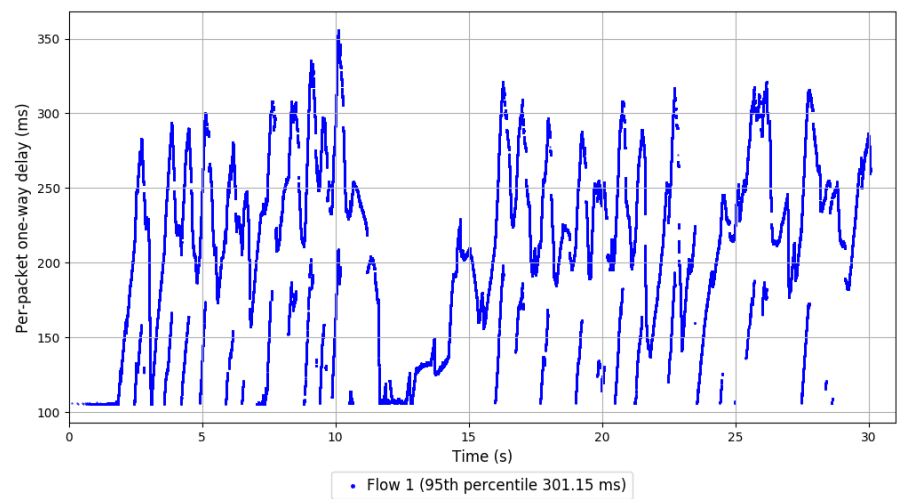
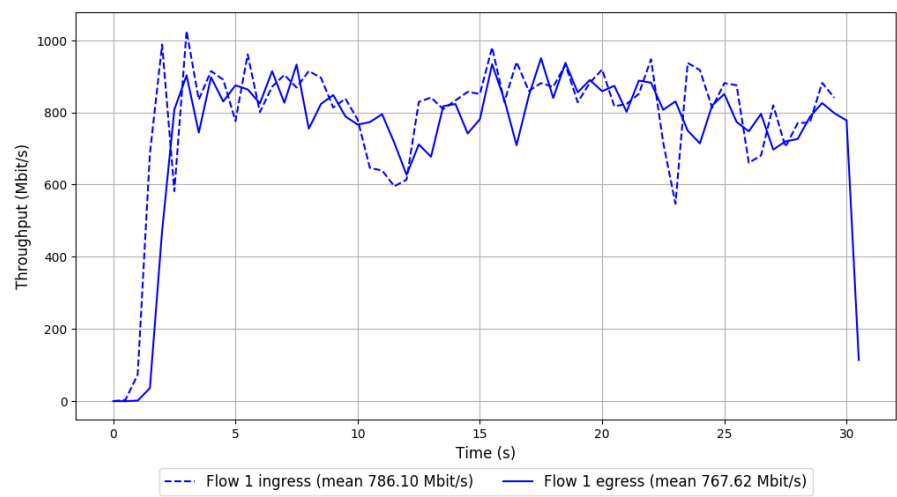


Run 2: Statistics of FillP

Start at: 2018-06-05 03:36:16
End at: 2018-06-05 03:36:46
Local clock offset: 21.182 ms
Remote clock offset: 20.188 ms

Below is generated by plot.py at 2018-06-05 07:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 767.62 Mbit/s
95th percentile per-packet one-way delay: 301.151 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 767.62 Mbit/s
95th percentile per-packet one-way delay: 301.151 ms
Loss rate: 2.35%

Run 2: Report of FillP — Data Link

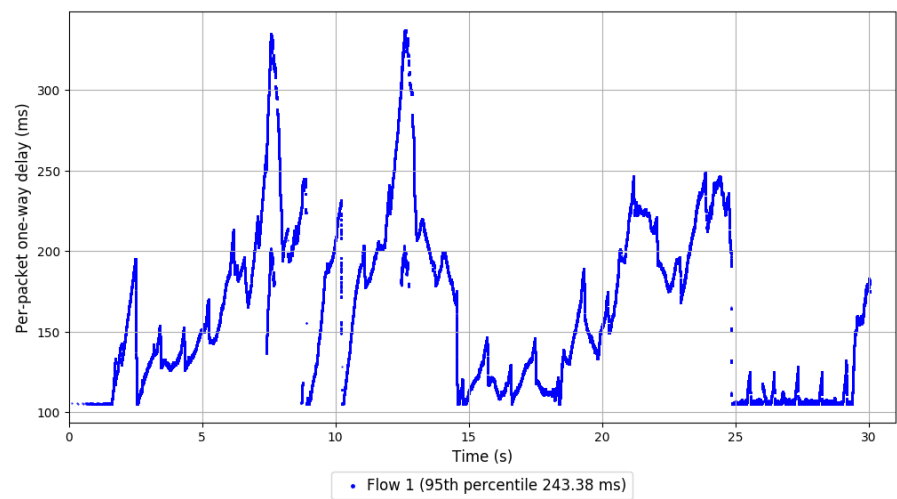
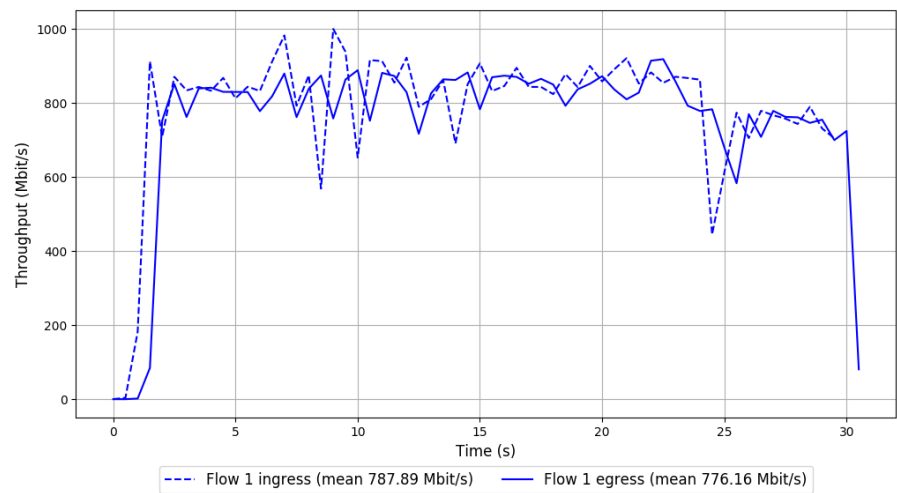


Run 3: Statistics of FillP

Start at: 2018-06-05 03:57:10
End at: 2018-06-05 03:57:40
Local clock offset: 24.191 ms
Remote clock offset: 23.554 ms

Below is generated by plot.py at 2018-06-05 07:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.16 Mbit/s
95th percentile per-packet one-way delay: 243.385 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 776.16 Mbit/s
95th percentile per-packet one-way delay: 243.385 ms
Loss rate: 1.49%

Run 3: Report of FillP — Data Link

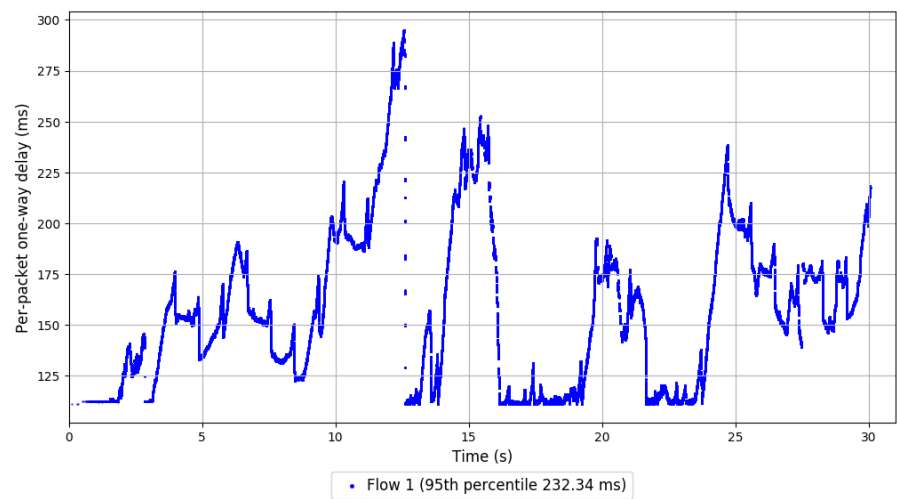
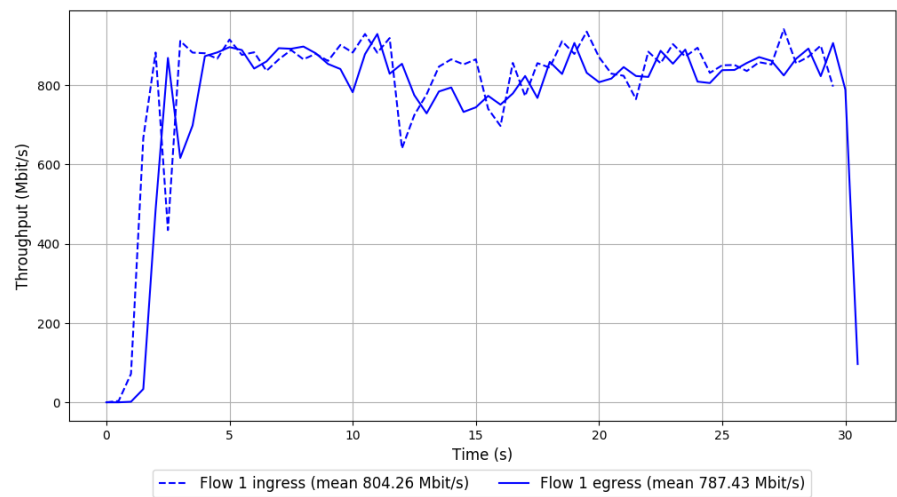


Run 4: Statistics of FillP

Start at: 2018-06-05 04:17:44
End at: 2018-06-05 04:18:14
Local clock offset: 30.887 ms
Remote clock offset: 38.575 ms

Below is generated by plot.py at 2018-06-05 07:10:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 787.43 Mbit/s
95th percentile per-packet one-way delay: 232.340 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 787.43 Mbit/s
95th percentile per-packet one-way delay: 232.340 ms
Loss rate: 2.10%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-05 04:38:19

End at: 2018-06-05 04:38:49

Local clock offset: 19.198 ms

Remote clock offset: 9.998 ms

Below is generated by plot.py at 2018-06-05 07:11:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 842.98 Mbit/s

95th percentile per-packet one-way delay: 222.562 ms

Loss rate: 1.59%

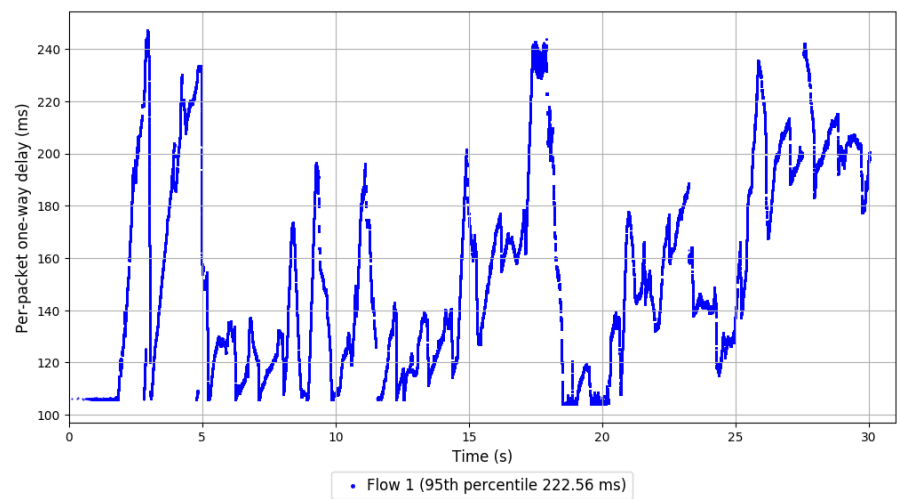
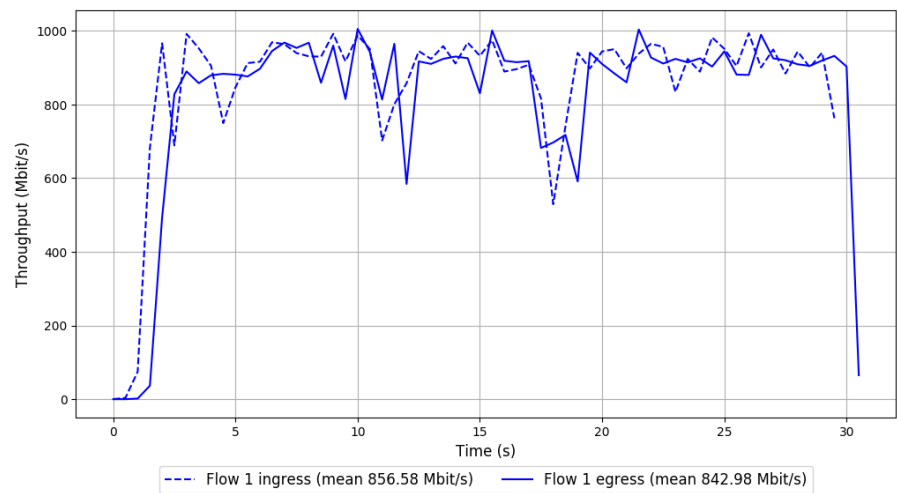
-- Flow 1:

Average throughput: 842.98 Mbit/s

95th percentile per-packet one-way delay: 222.562 ms

Loss rate: 1.59%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-05 04:58:50

End at: 2018-06-05 04:59:20

Local clock offset: 8.346 ms

Remote clock offset: 5.013 ms

Below is generated by plot.py at 2018-06-05 07:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 849.17 Mbit/s

95th percentile per-packet one-way delay: 222.467 ms

Loss rate: 0.17%

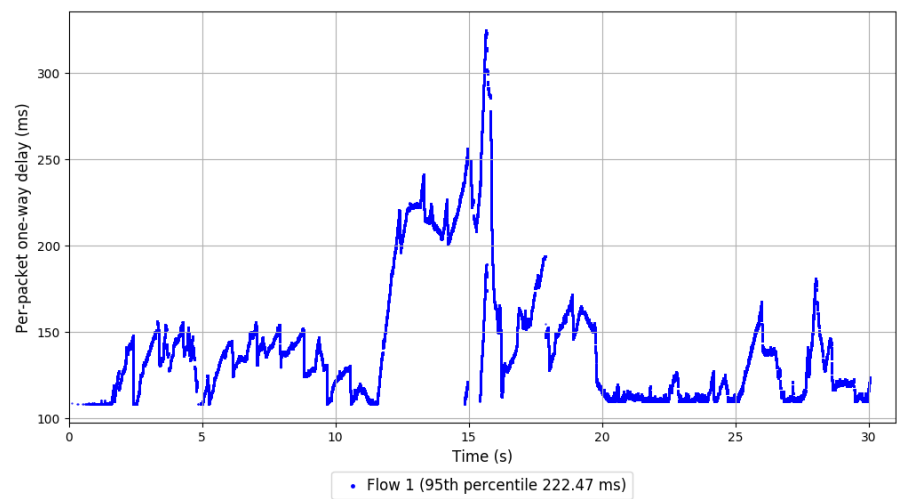
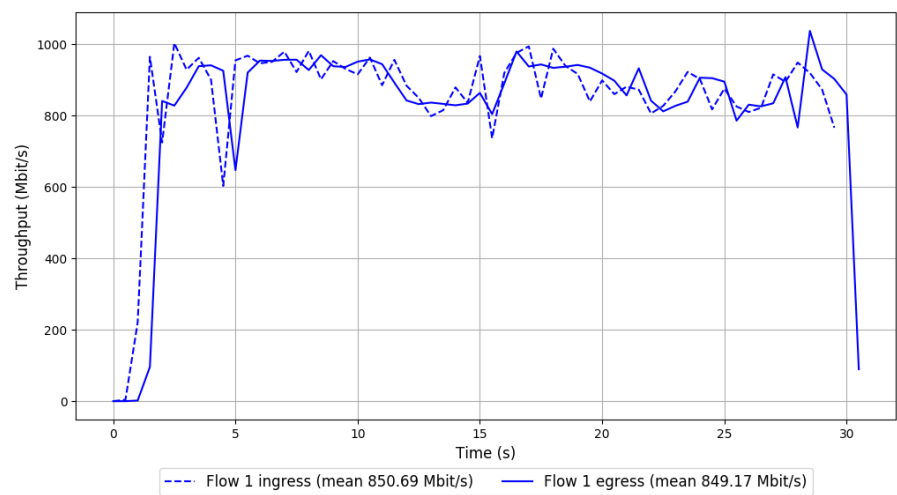
-- Flow 1:

Average throughput: 849.17 Mbit/s

95th percentile per-packet one-way delay: 222.467 ms

Loss rate: 0.17%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-05 05:19:39

End at: 2018-06-05 05:20:09

Local clock offset: 6.895 ms

Remote clock offset: 4.43 ms

Below is generated by plot.py at 2018-06-05 07:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 779.10 Mbit/s

95th percentile per-packet one-way delay: 234.643 ms

Loss rate: 2.35%

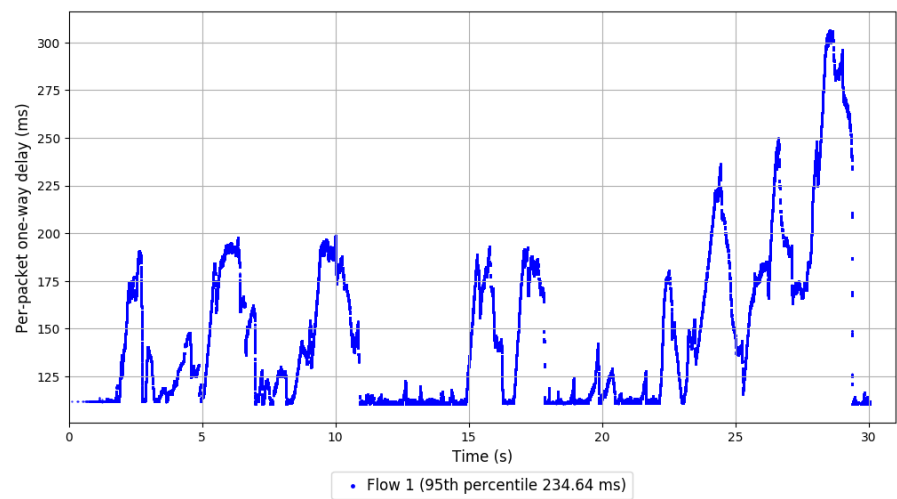
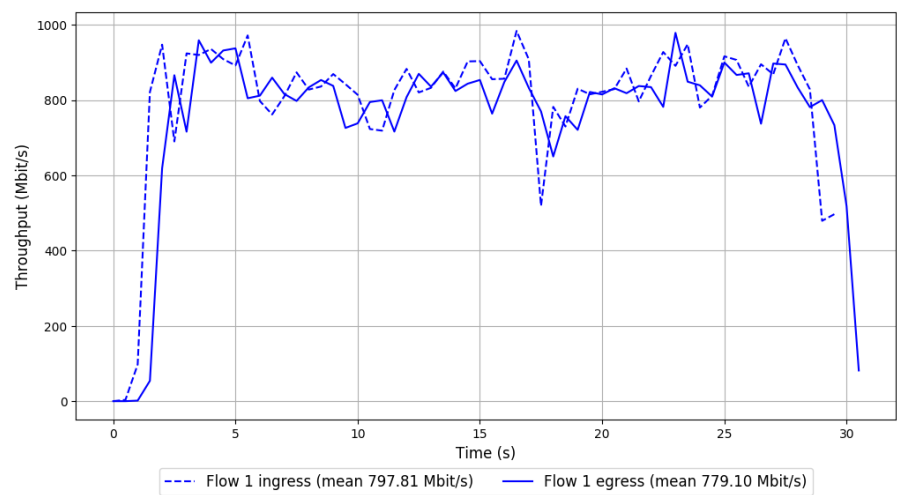
-- Flow 1:

Average throughput: 779.10 Mbit/s

95th percentile per-packet one-way delay: 234.643 ms

Loss rate: 2.35%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-05 05:39:58

End at: 2018-06-05 05:40:28

Local clock offset: 1.934 ms

Remote clock offset: 1.822 ms

Below is generated by plot.py at 2018-06-05 07:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 772.64 Mbit/s

95th percentile per-packet one-way delay: 188.708 ms

Loss rate: 1.24%

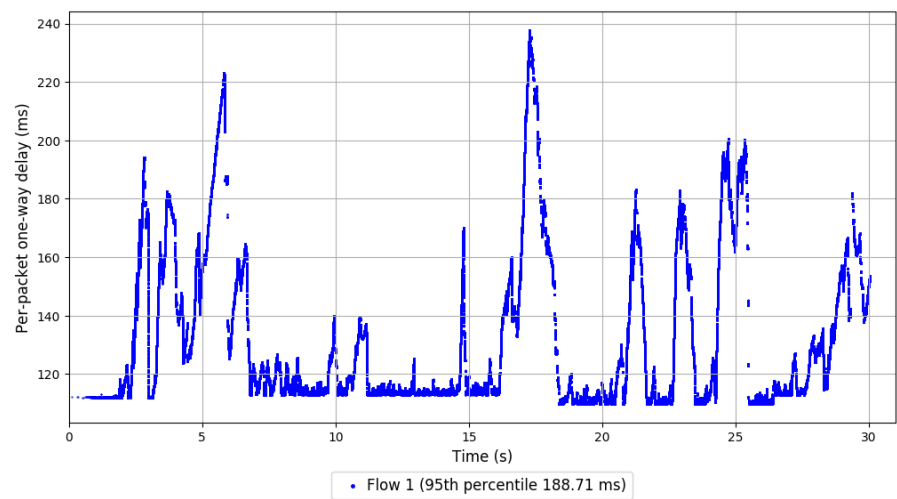
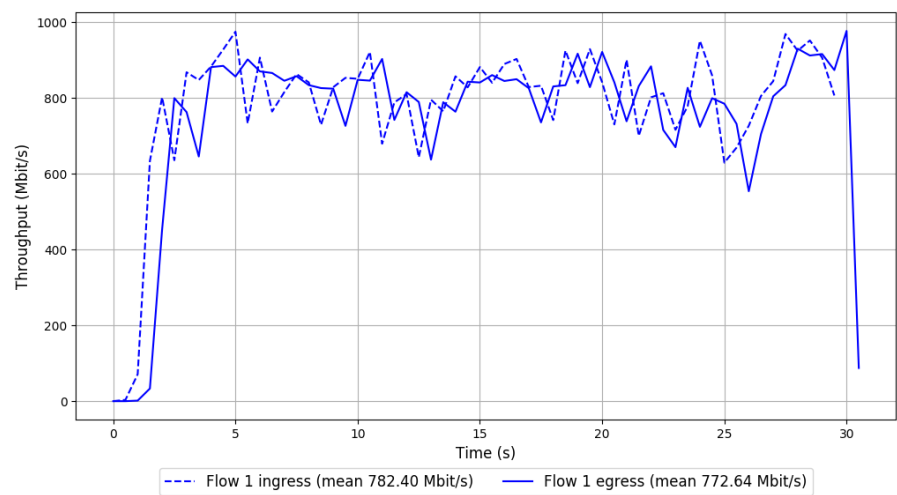
-- Flow 1:

Average throughput: 772.64 Mbit/s

95th percentile per-packet one-way delay: 188.708 ms

Loss rate: 1.24%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-05 06:00:30

End at: 2018-06-05 06:01:00

Local clock offset: 1.512 ms

Remote clock offset: 2.338 ms

Below is generated by plot.py at 2018-06-05 07:26:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.08 Mbit/s

95th percentile per-packet one-way delay: 203.403 ms

Loss rate: 1.35%

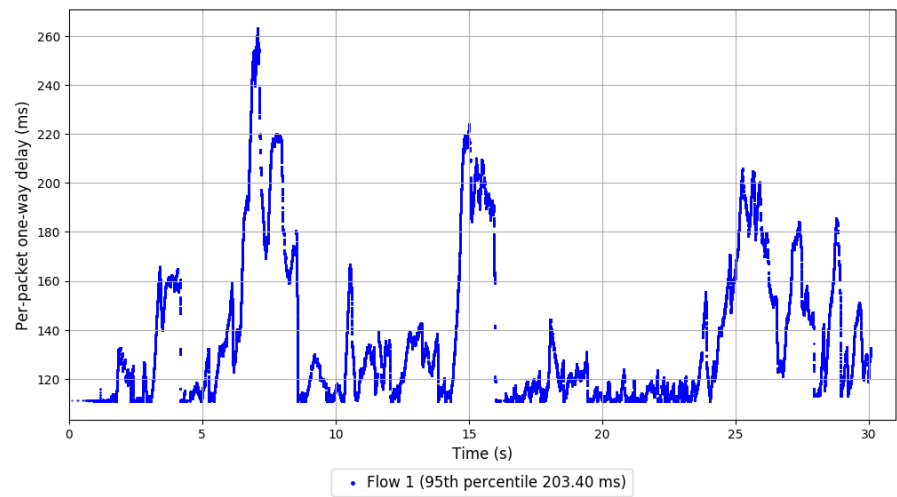
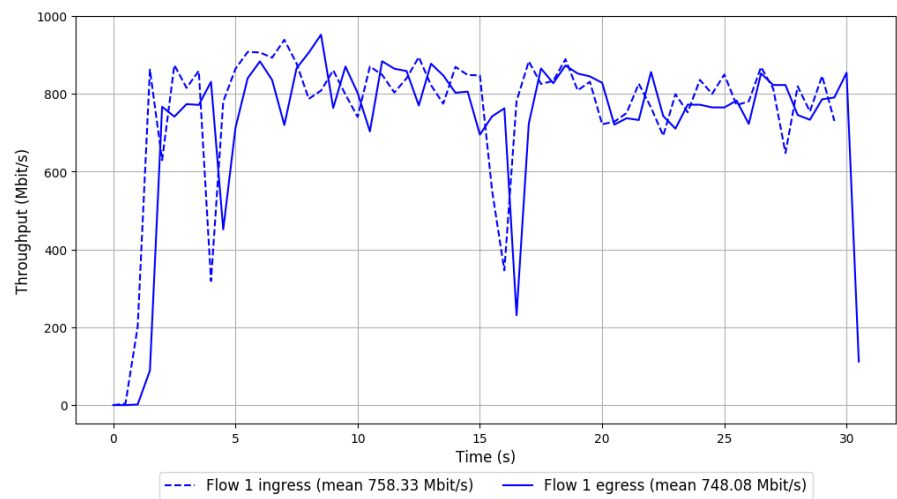
-- Flow 1:

Average throughput: 748.08 Mbit/s

95th percentile per-packet one-way delay: 203.403 ms

Loss rate: 1.35%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-05 06:21:08

End at: 2018-06-05 06:21:38

Local clock offset: 0.494 ms

Remote clock offset: 0.84 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 815.32 Mbit/s

95th percentile per-packet one-way delay: 228.620 ms

Loss rate: 1.35%

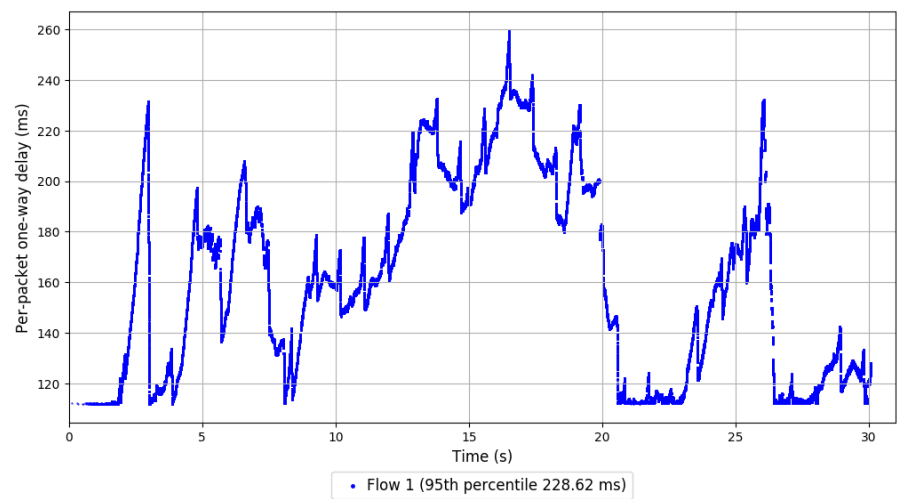
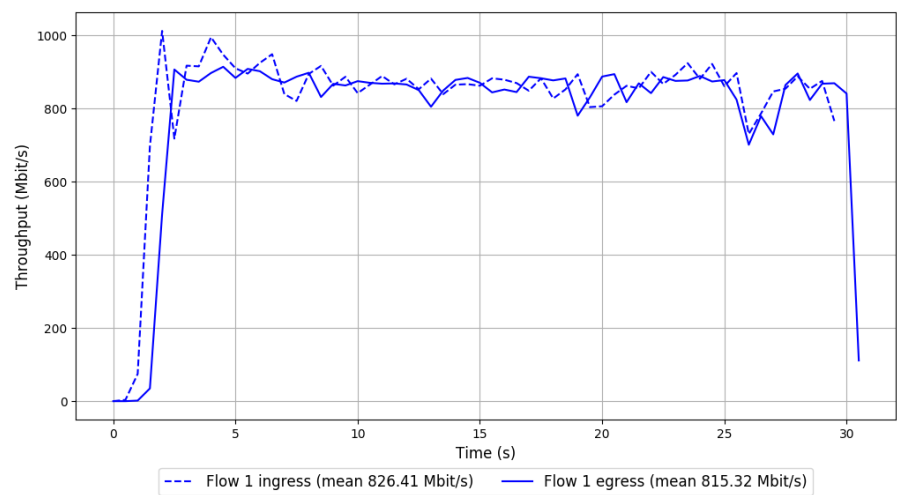
-- Flow 1:

Average throughput: 815.32 Mbit/s

95th percentile per-packet one-way delay: 228.620 ms

Loss rate: 1.35%

Run 10: Report of FillP — Data Link

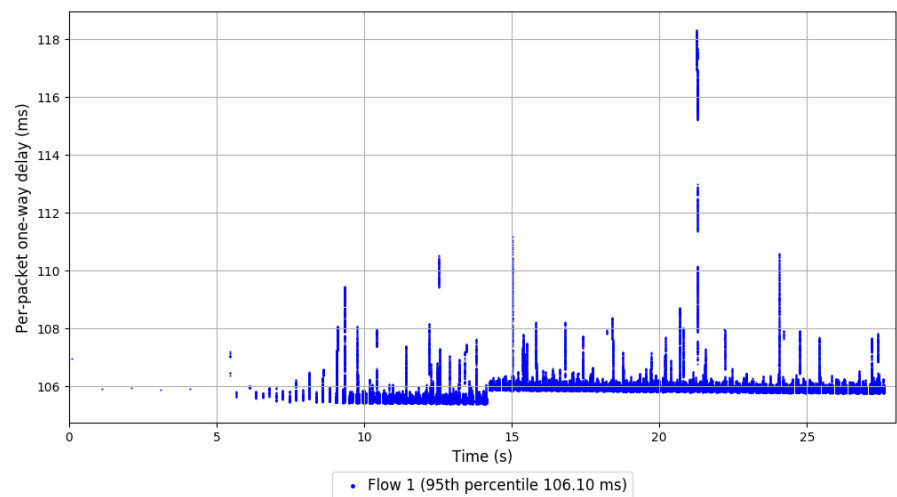
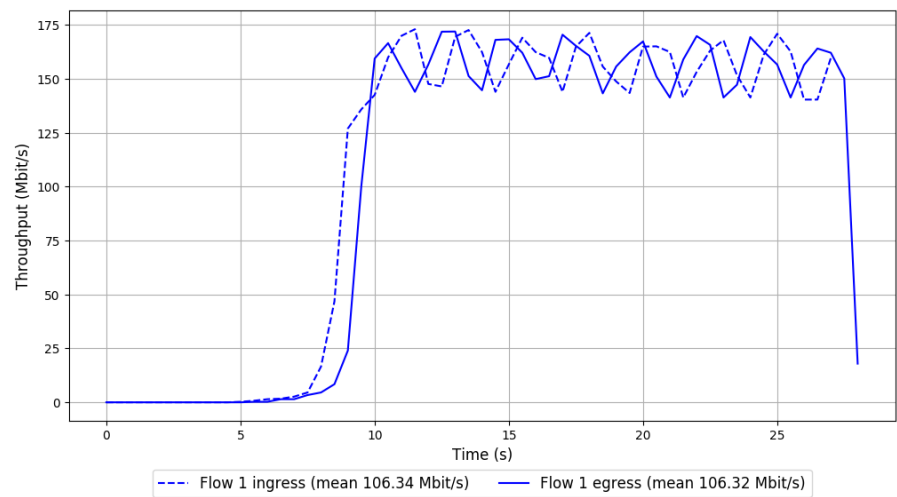


```
Run 1: Statistics of Indigo

Start at: 2018-06-05 03:23:58
End at: 2018-06-05 03:24:28
Local clock offset: 18.513 ms
Remote clock offset: 16.477 ms

# Below is generated by plot.py at 2018-06-05 07:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.32 Mbit/s
95th percentile per-packet one-way delay: 106.098 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 106.32 Mbit/s
95th percentile per-packet one-way delay: 106.098 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo — Data Link

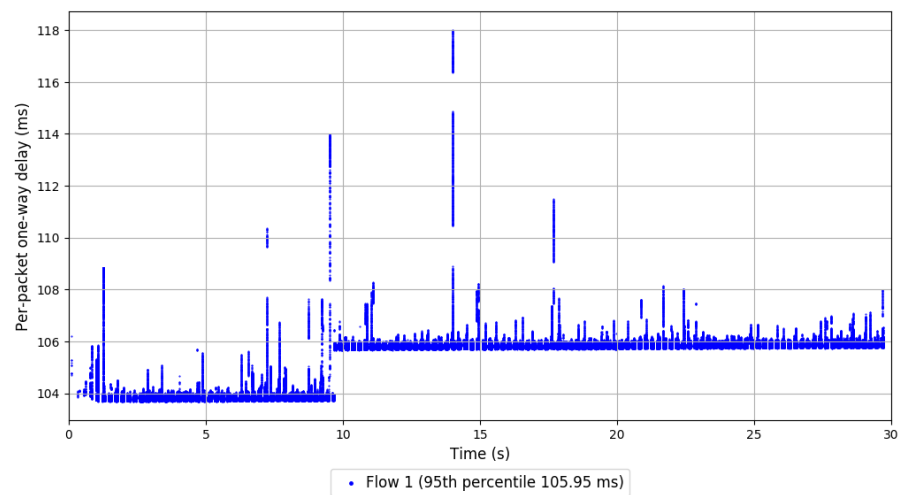
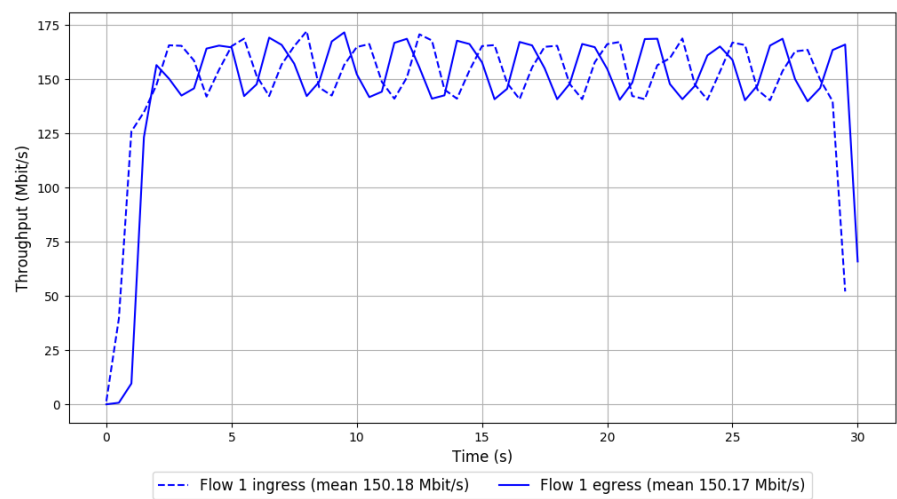


Run 2: Statistics of Indigo

Start at: 2018-06-05 03:44:35
End at: 2018-06-05 03:45:05
Local clock offset: 26.075 ms
Remote clock offset: 25.385 ms

Below is generated by plot.py at 2018-06-05 07:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.17 Mbit/s
95th percentile per-packet one-way delay: 105.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.17 Mbit/s
95th percentile per-packet one-way delay: 105.952 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-05 04:05:14

End at: 2018-06-05 04:05:44

Local clock offset: 29.421 ms

Remote clock offset: 31.116 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.63 Mbit/s

95th percentile per-packet one-way delay: 106.639 ms

Loss rate: 0.00%

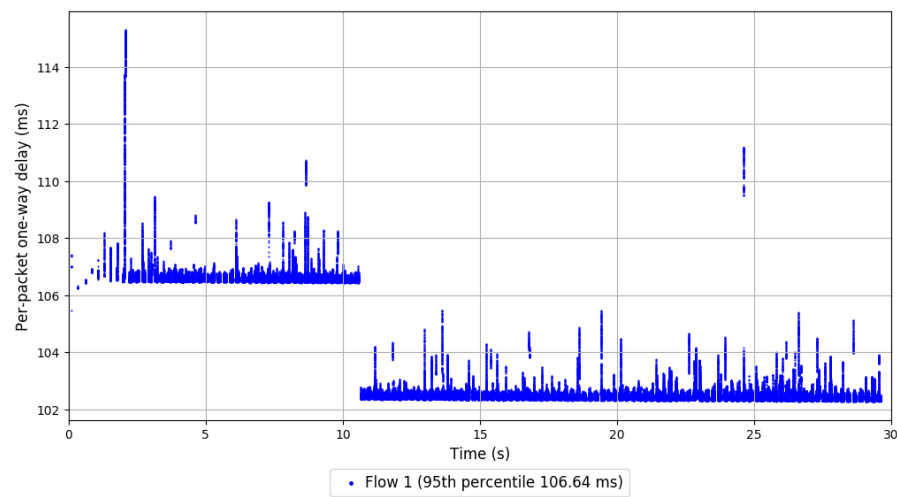
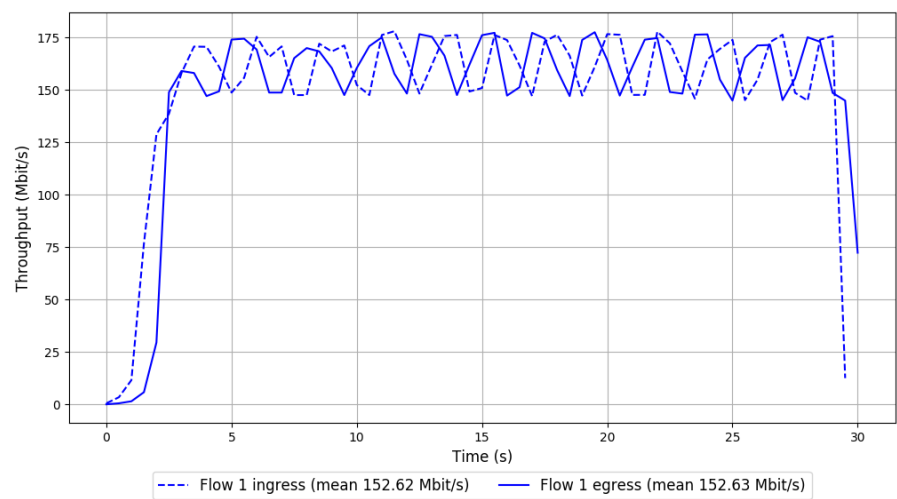
-- Flow 1:

Average throughput: 152.63 Mbit/s

95th percentile per-packet one-way delay: 106.639 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

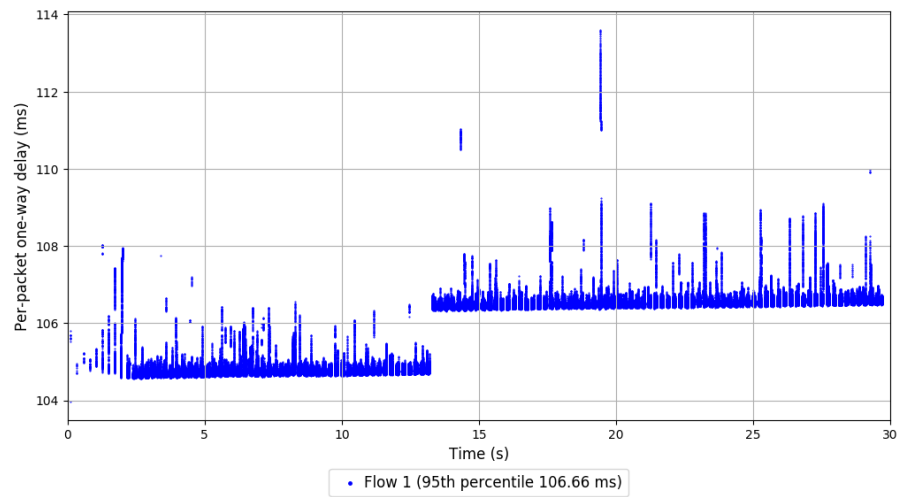
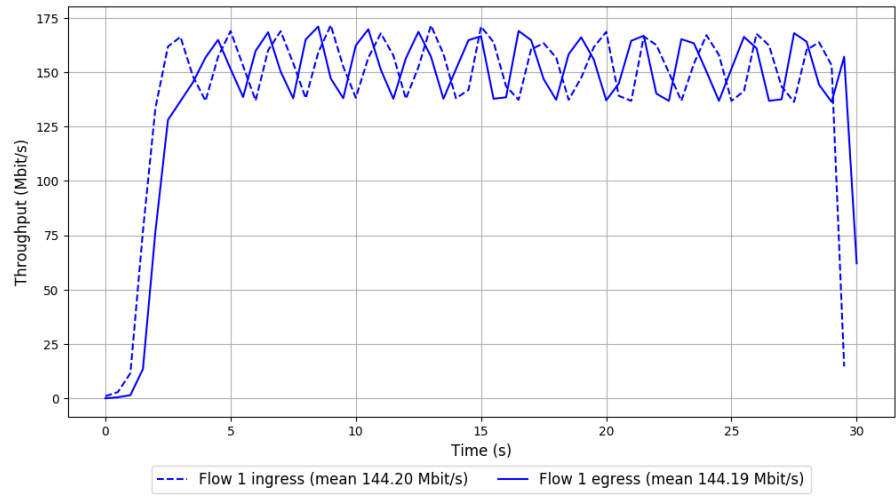


Run 4: Statistics of Indigo

Start at: 2018-06-05 04:25:51
End at: 2018-06-05 04:26:21
Local clock offset: 21.926 ms
Remote clock offset: 17.688 ms

Below is generated by plot.py at 2018-06-05 07:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.19 Mbit/s
95th percentile per-packet one-way delay: 106.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 144.19 Mbit/s
95th percentile per-packet one-way delay: 106.657 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

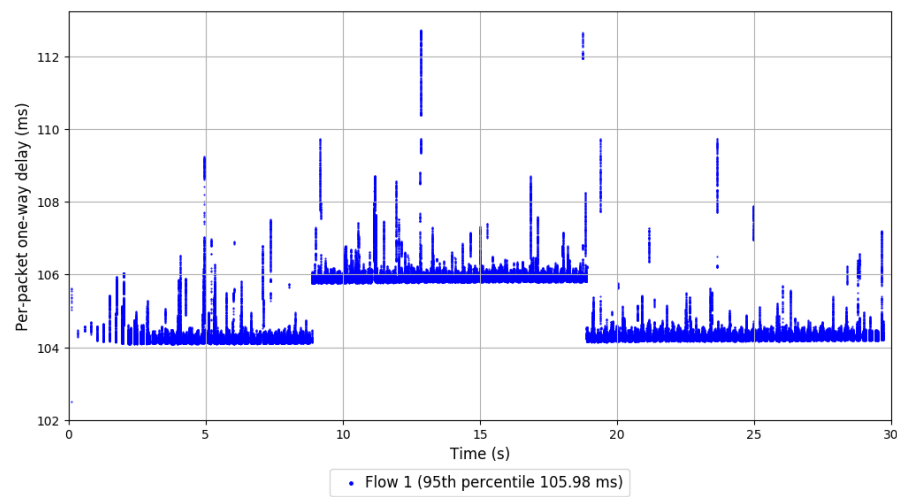
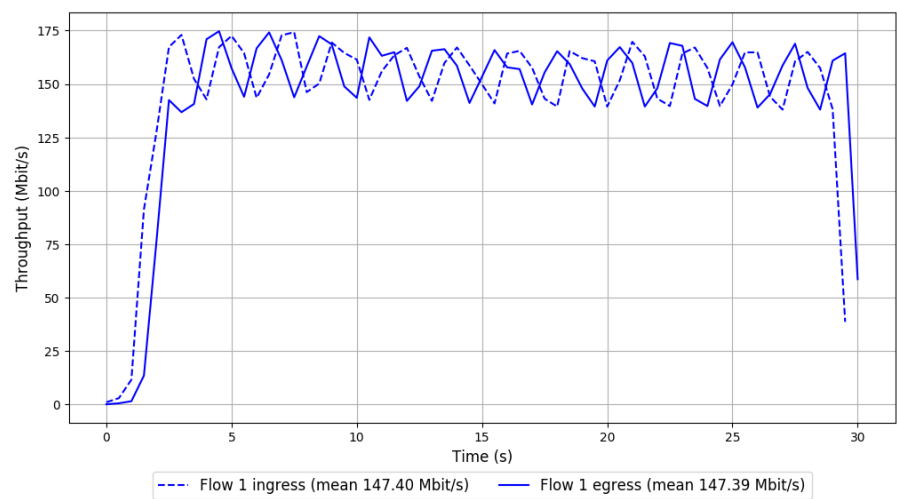


Run 5: Statistics of Indigo

Start at: 2018-06-05 04:46:26
End at: 2018-06-05 04:46:56
Local clock offset: 21.556 ms
Remote clock offset: 10.401 ms

Below is generated by plot.py at 2018-06-05 07:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.39 Mbit/s
95th percentile per-packet one-way delay: 105.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.39 Mbit/s
95th percentile per-packet one-way delay: 105.976 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-05 05:07:17

End at: 2018-06-05 05:07:47

Local clock offset: 12.59 ms

Remote clock offset: 3.924 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.58 Mbit/s

95th percentile per-packet one-way delay: 105.964 ms

Loss rate: 0.00%

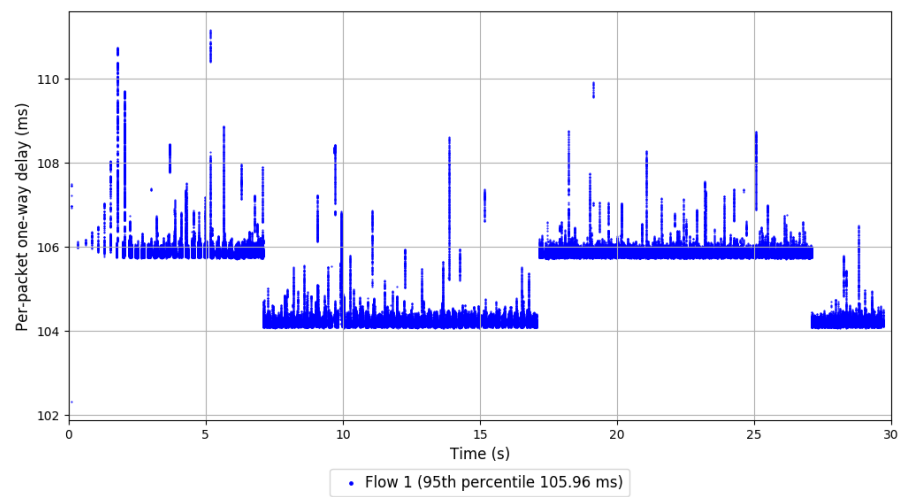
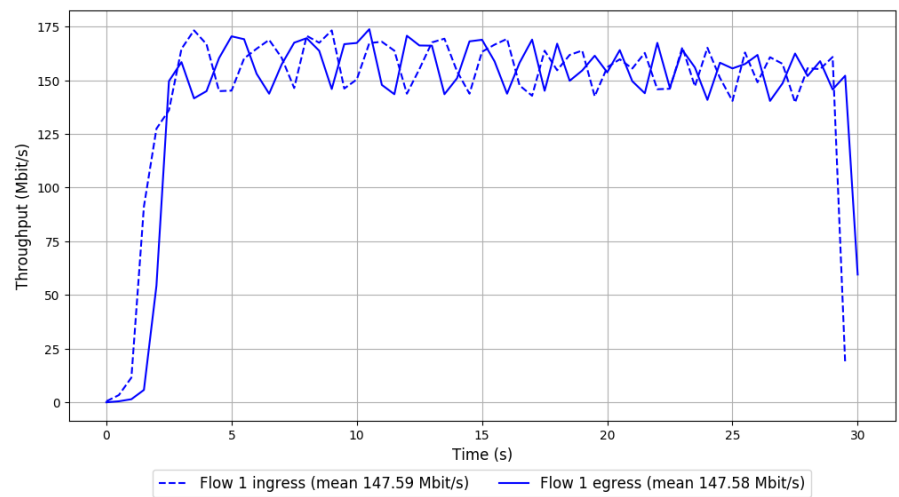
-- Flow 1:

Average throughput: 147.58 Mbit/s

95th percentile per-packet one-way delay: 105.964 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-05 05:27:39

End at: 2018-06-05 05:28:09

Local clock offset: 6.102 ms

Remote clock offset: 3.785 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.95 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.01%

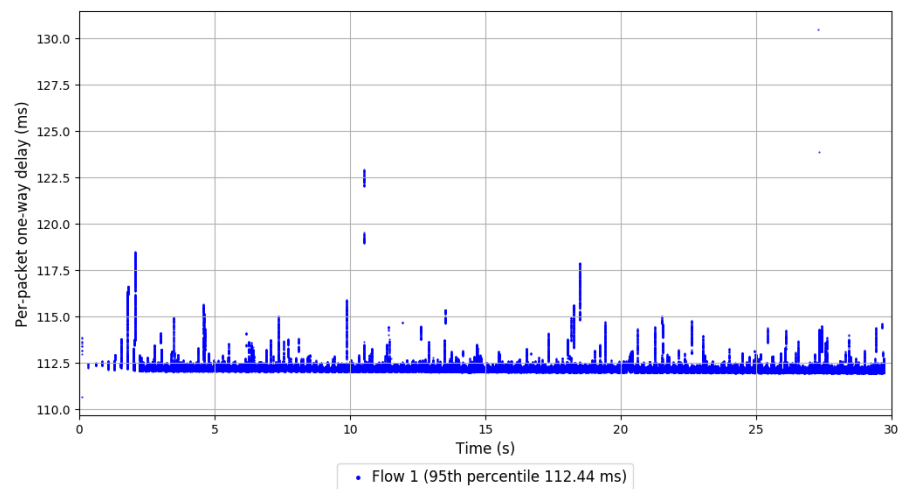
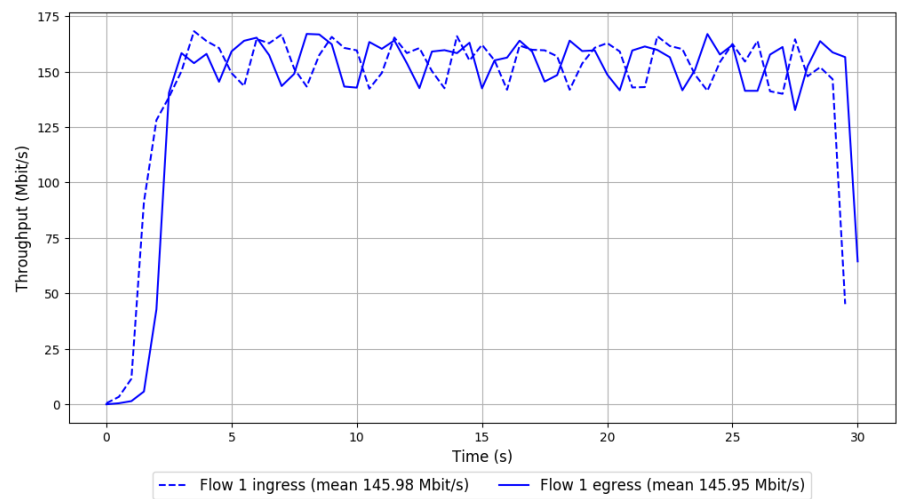
-- Flow 1:

Average throughput: 145.95 Mbit/s

95th percentile per-packet one-way delay: 112.441 ms

Loss rate: 0.01%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-05 05:48:00

End at: 2018-06-05 05:48:30

Local clock offset: 8.112 ms

Remote clock offset: 1.846 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.21 Mbit/s

95th percentile per-packet one-way delay: 106.221 ms

Loss rate: 0.00%

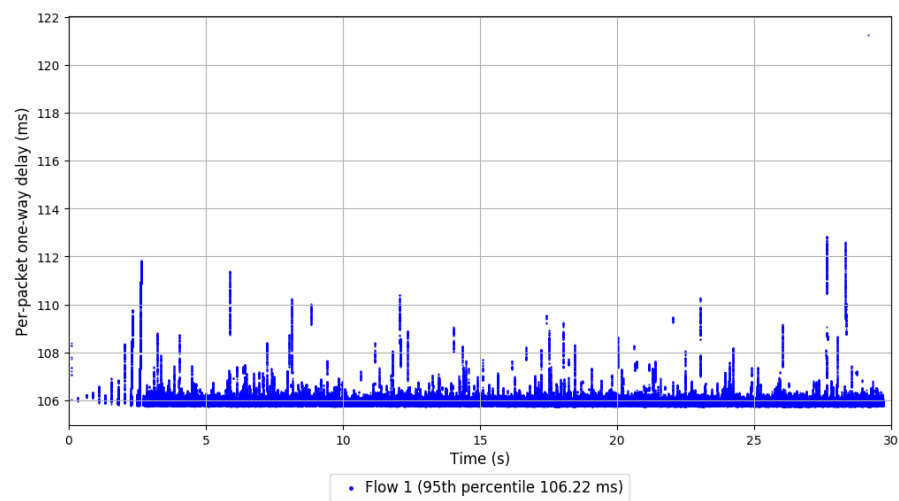
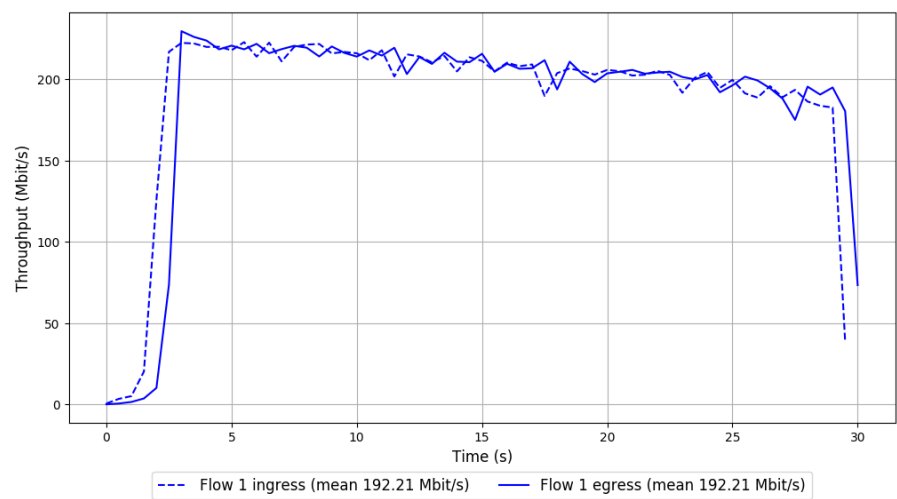
-- Flow 1:

Average throughput: 192.21 Mbit/s

95th percentile per-packet one-way delay: 106.221 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-05 06:08:31

End at: 2018-06-05 06:09:01

Local clock offset: 0.889 ms

Remote clock offset: 1.056 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.31 Mbit/s

95th percentile per-packet one-way delay: 112.610 ms

Loss rate: 0.00%

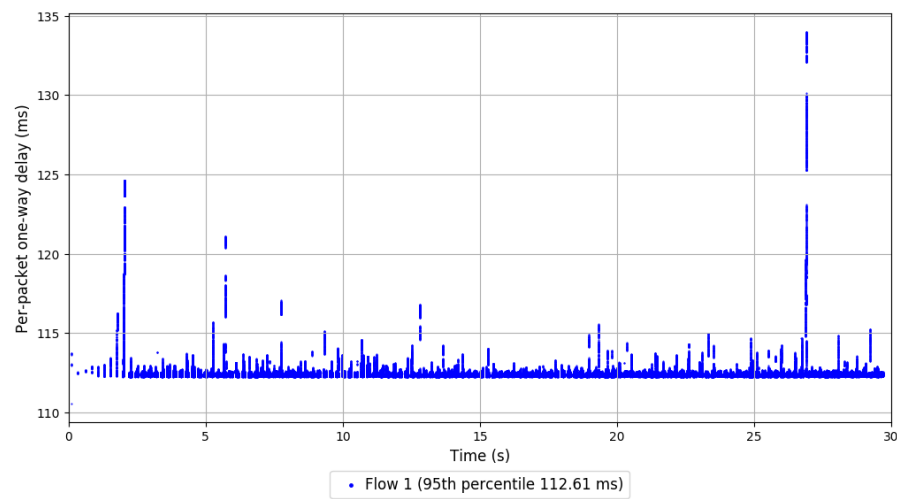
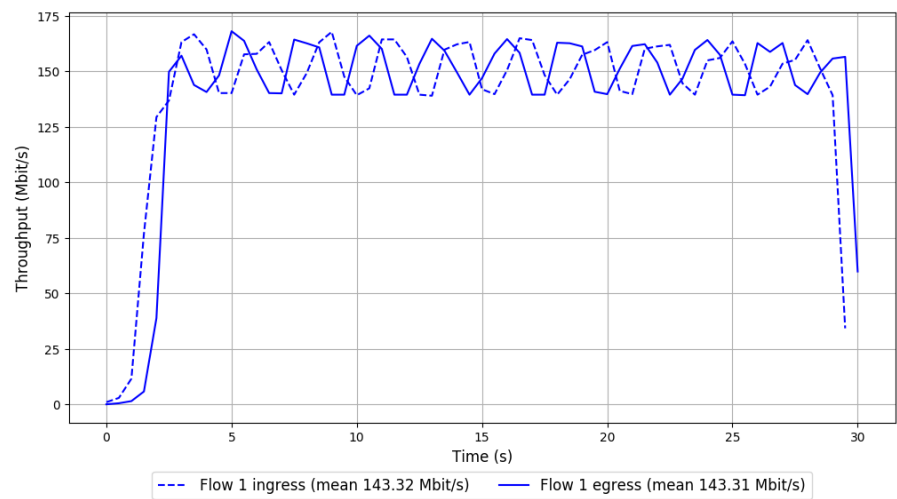
-- Flow 1:

Average throughput: 143.31 Mbit/s

95th percentile per-packet one-way delay: 112.610 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 06:29:28

End at: 2018-06-05 06:29:58

Local clock offset: 0.455 ms

Remote clock offset: 1.031 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.78 Mbit/s

95th percentile per-packet one-way delay: 112.625 ms

Loss rate: 0.00%

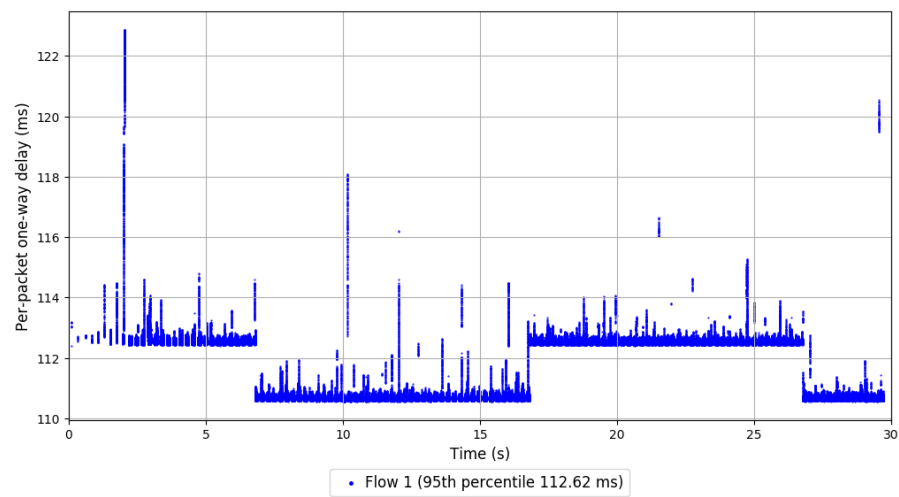
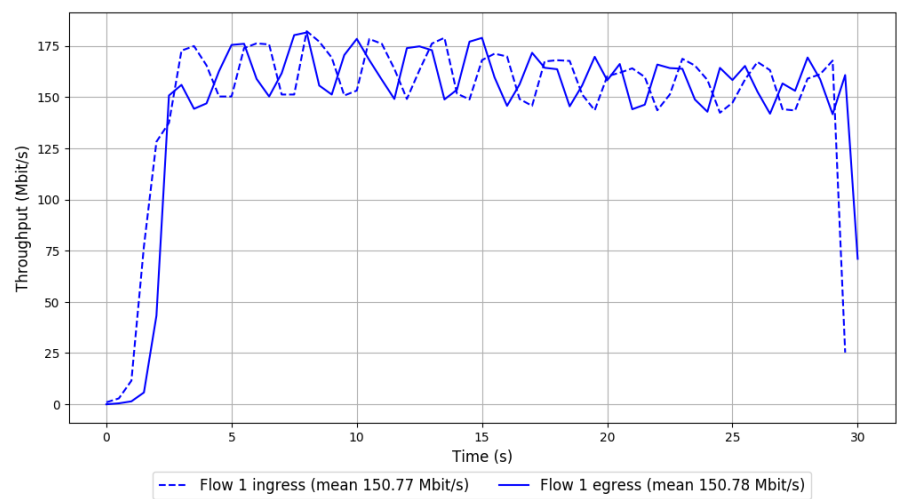
-- Flow 1:

Average throughput: 150.78 Mbit/s

95th percentile per-packet one-way delay: 112.625 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

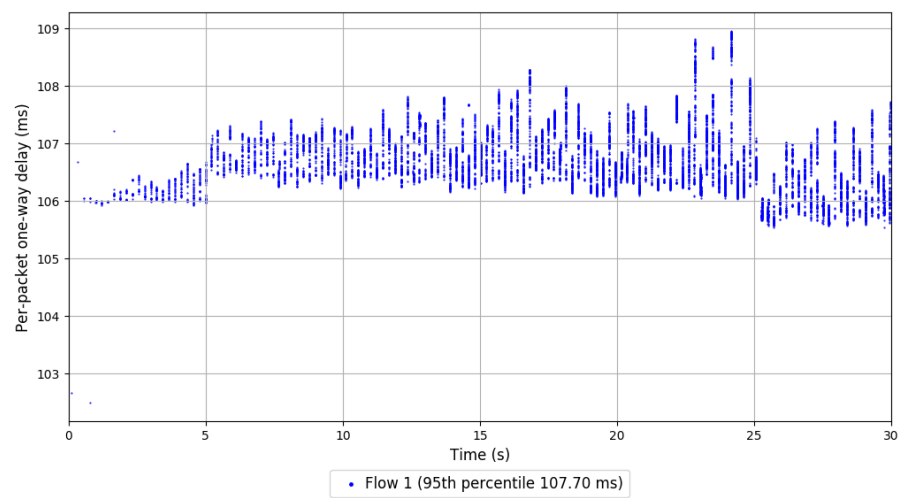
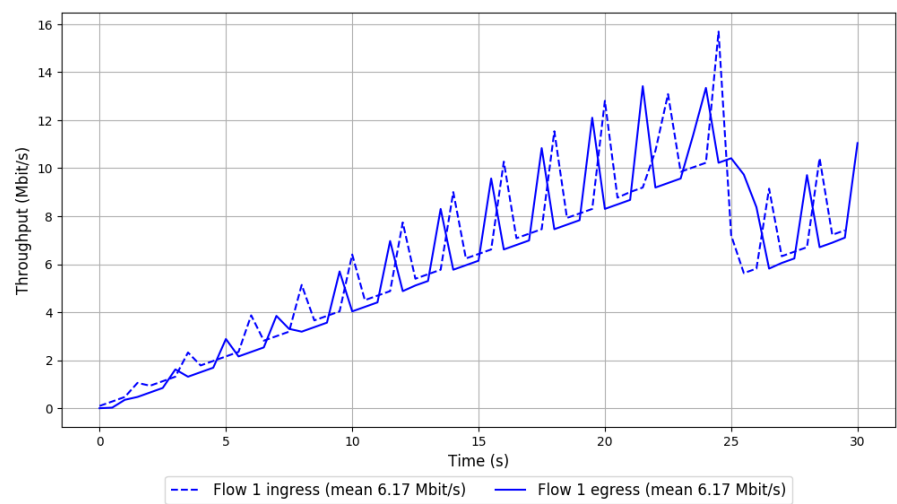


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 03:22:50
End at: 2018-06-05 03:23:20
Local clock offset: 16.977 ms
Remote clock offset: 14.576 ms

# Below is generated by plot.py at 2018-06-05 07:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 107.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 107.702 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

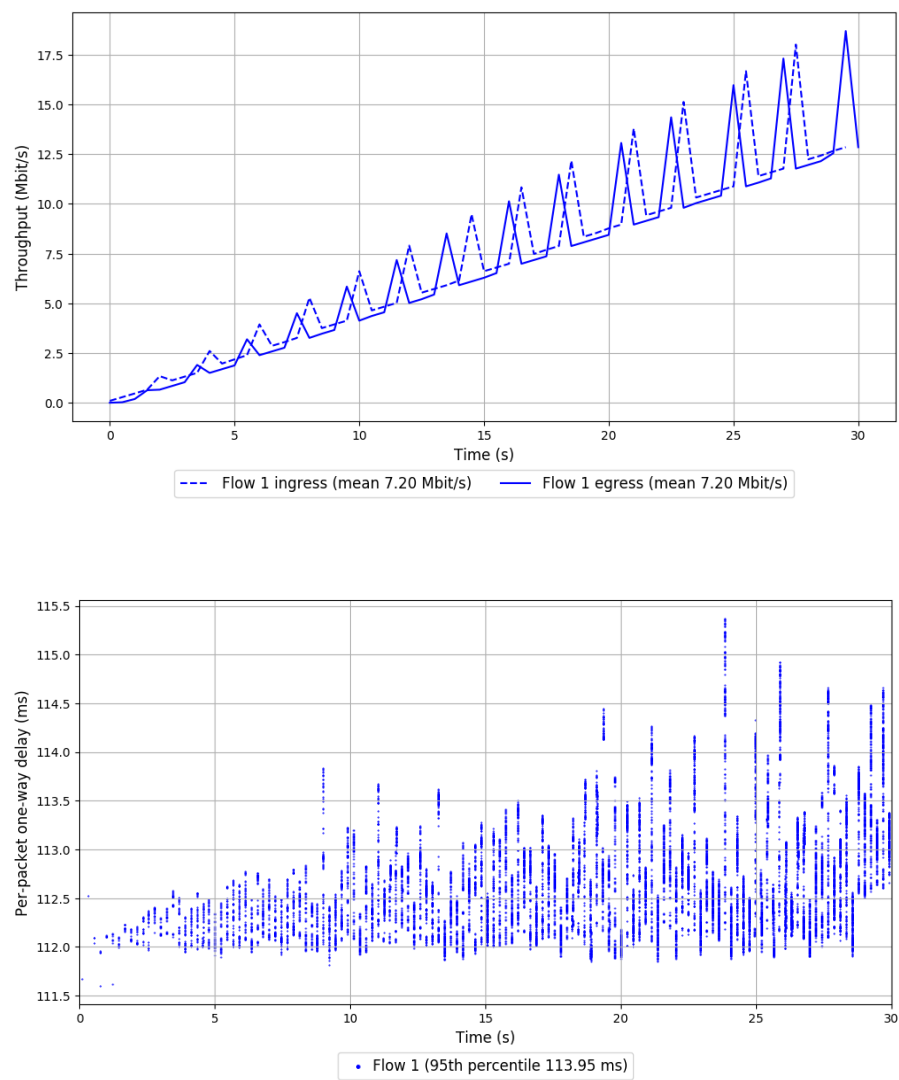


Run 2: Statistics of LEDBAT

Start at: 2018-06-05 03:43:26
End at: 2018-06-05 03:43:56
Local clock offset: 21.247 ms
Remote clock offset: 26.998 ms

Below is generated by plot.py at 2018-06-05 07:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 113.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 113.954 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

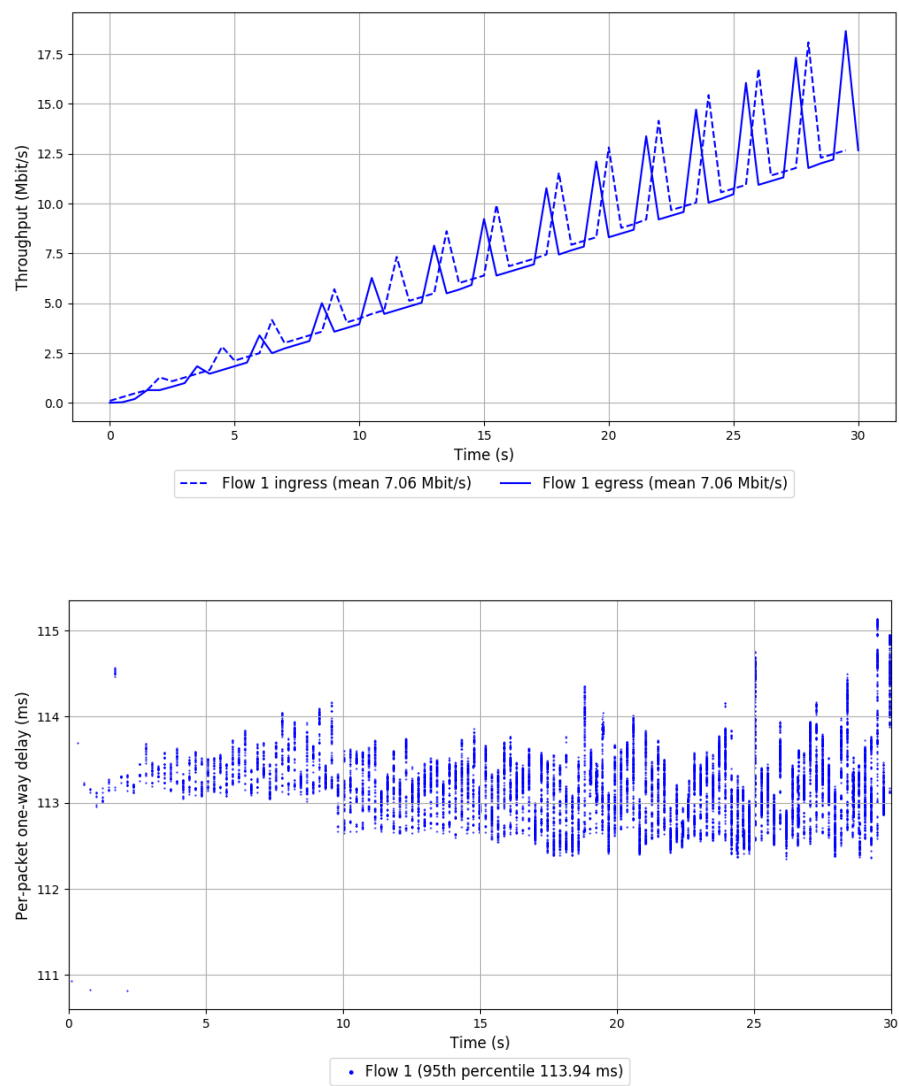


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 04:04:05
End at: 2018-06-05 04:04:35
Local clock offset: 22.006 ms
Remote clock offset: 29.821 ms

Below is generated by plot.py at 2018-06-05 07:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 113.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 113.935 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

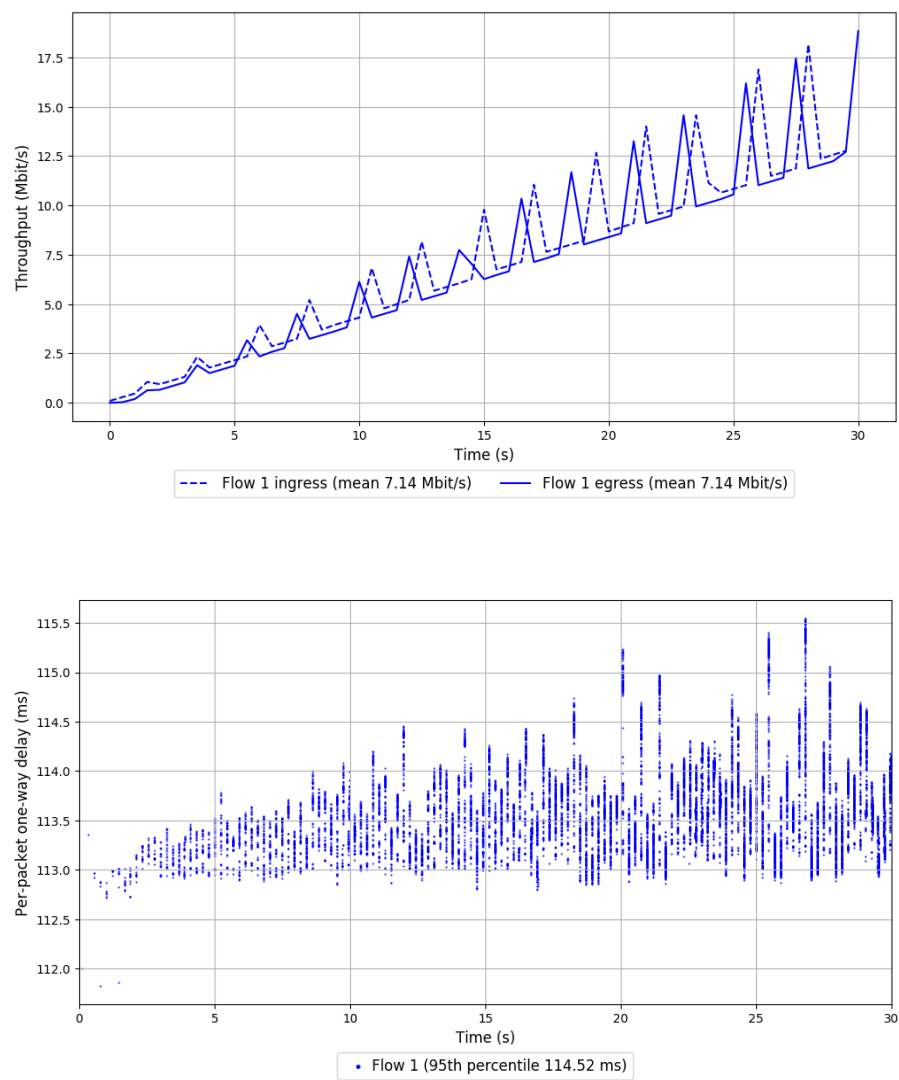


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 04:24:43
End at: 2018-06-05 04:25:13
Local clock offset: 16.742 ms
Remote clock offset: 19.586 ms

Below is generated by plot.py at 2018-06-05 07:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 114.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 114.524 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

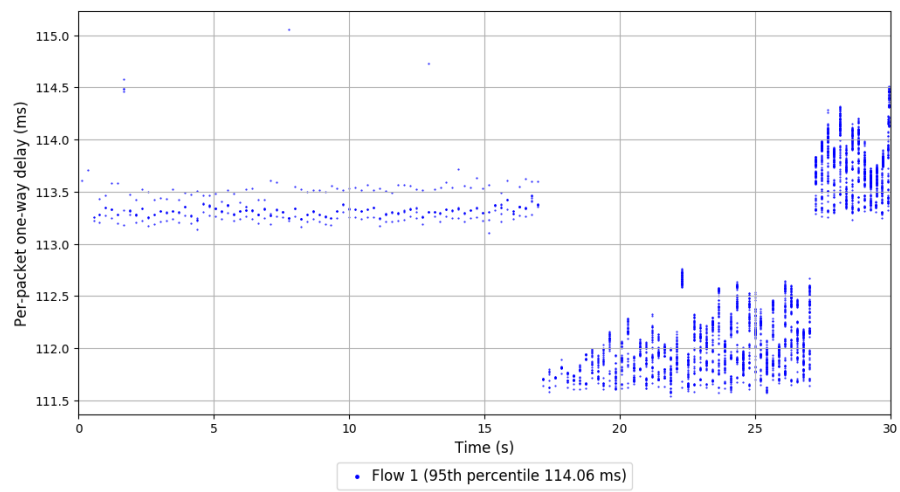
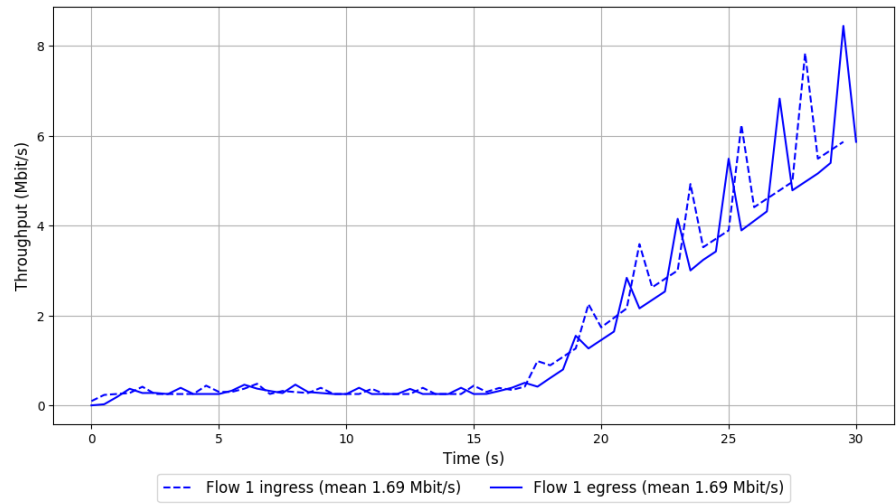


Run 5: Statistics of LEDBAT

Start at: 2018-06-05 04:45:18
End at: 2018-06-05 04:45:48
Local clock offset: 14.374 ms
Remote clock offset: 10.626 ms

Below is generated by plot.py at 2018-06-05 07:28:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 114.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 114.061 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

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

End at: 2018-06-05 05:06:39

Local clock offset: 12.759 ms

Remote clock offset: 4.386 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 107.400 ms

Loss rate: 0.00%

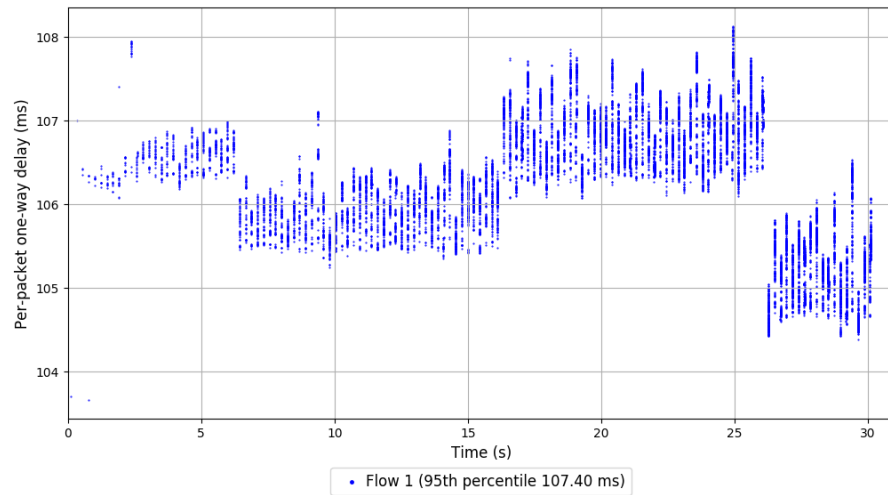
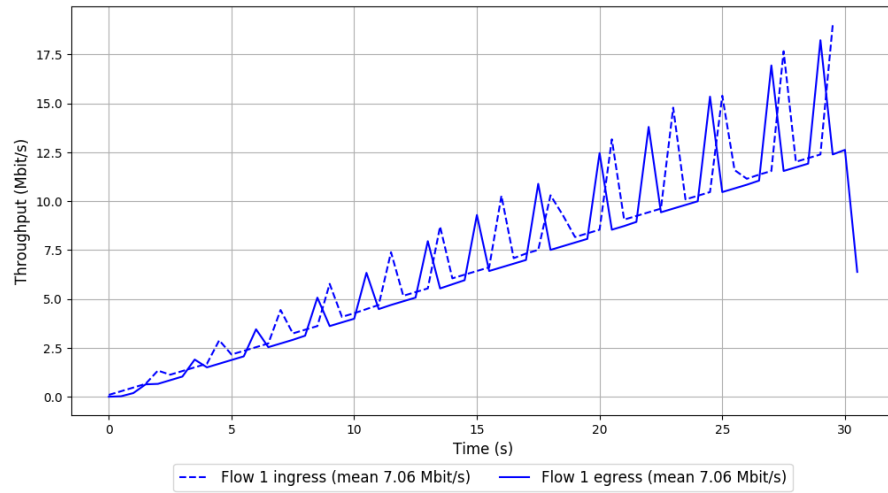
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 107.400 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-05 05:26:30

End at: 2018-06-05 05:27:00

Local clock offset: 6.832 ms

Remote clock offset: 4.194 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 113.601 ms

Loss rate: 0.00%

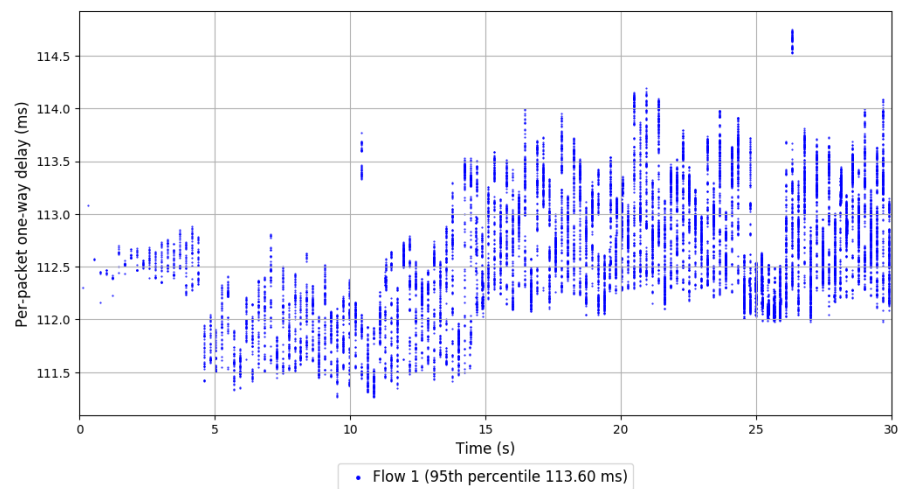
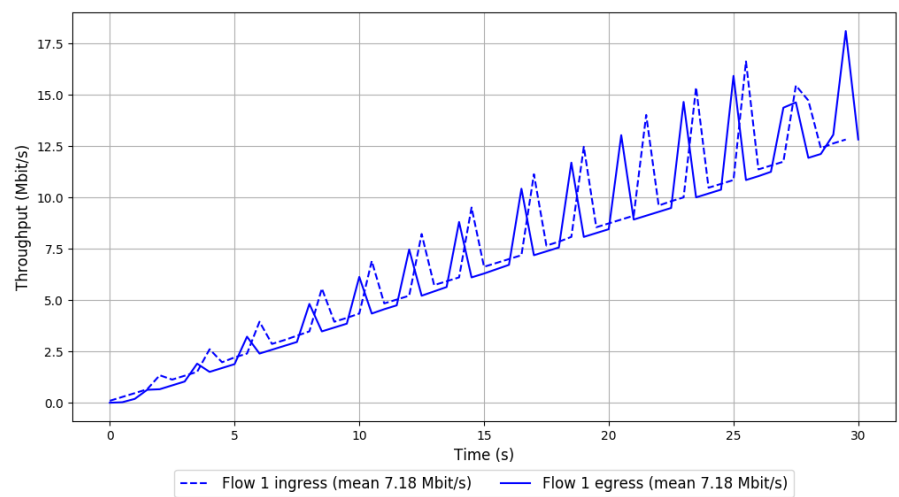
-- Flow 1:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 113.601 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-05 05:46:52

End at: 2018-06-05 05:47:22

Local clock offset: 1.368 ms

Remote clock offset: 1.82 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 114.280 ms

Loss rate: 0.00%

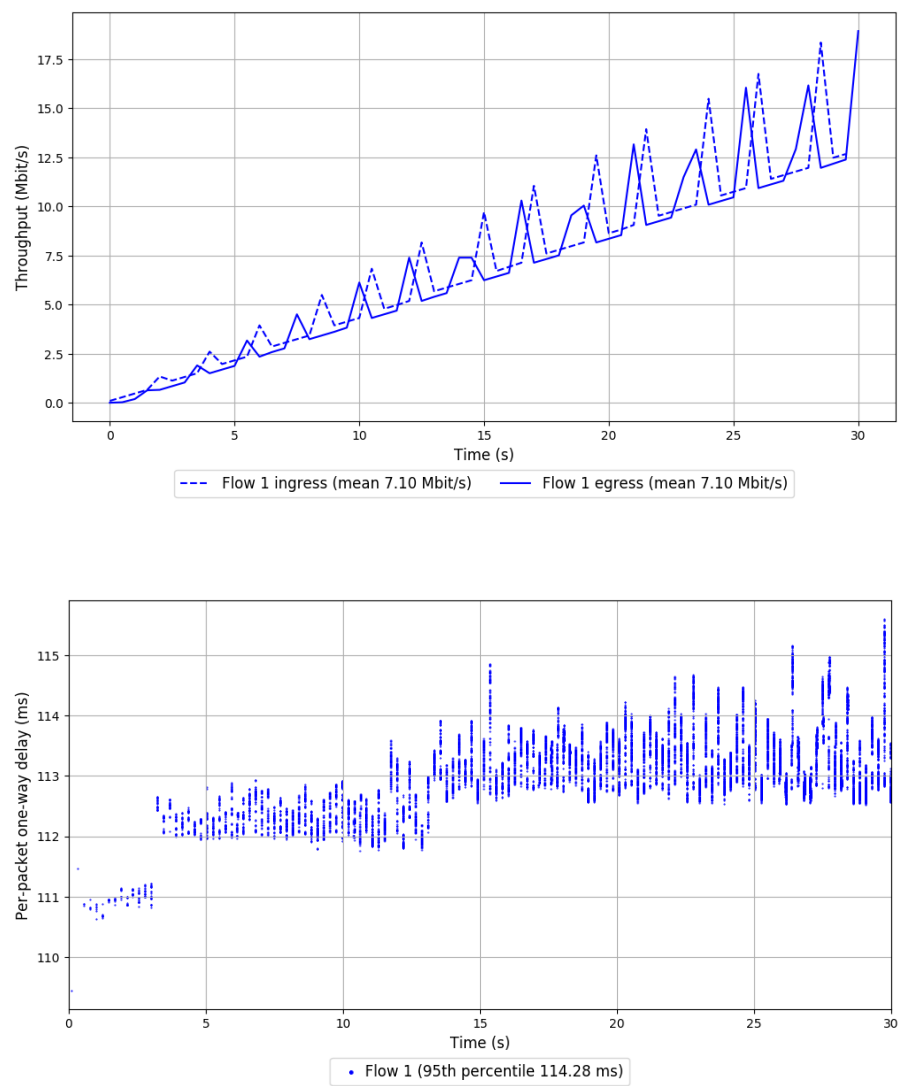
-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 114.280 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-05 06:07:22

End at: 2018-06-05 06:07:52

Local clock offset: 0.491 ms

Remote clock offset: 1.148 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 114.253 ms

Loss rate: 0.00%

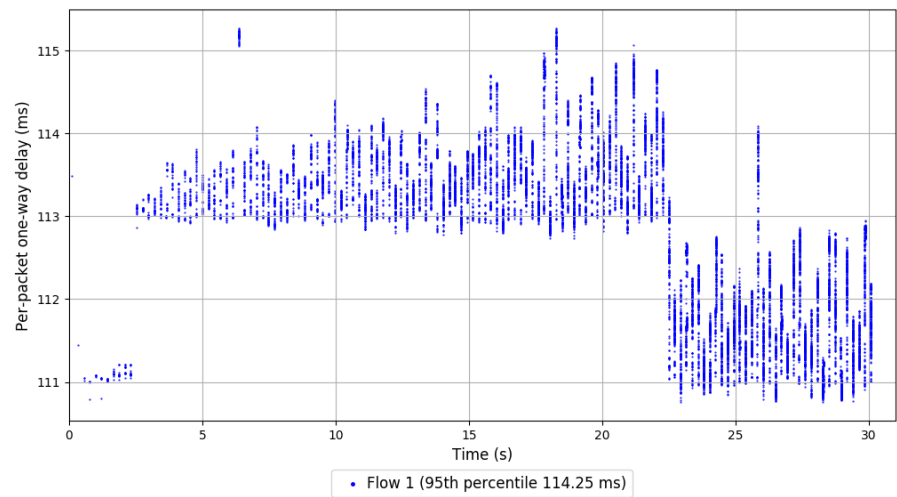
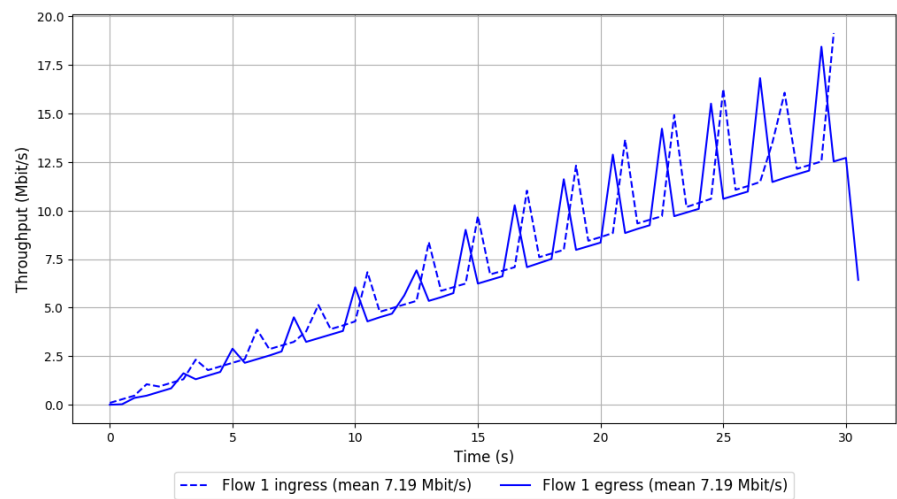
-- Flow 1:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 114.253 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-05 06:28:19

End at: 2018-06-05 06:28:49

Local clock offset: 0.463 ms

Remote clock offset: 0.959 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 114.434 ms

Loss rate: 0.00%

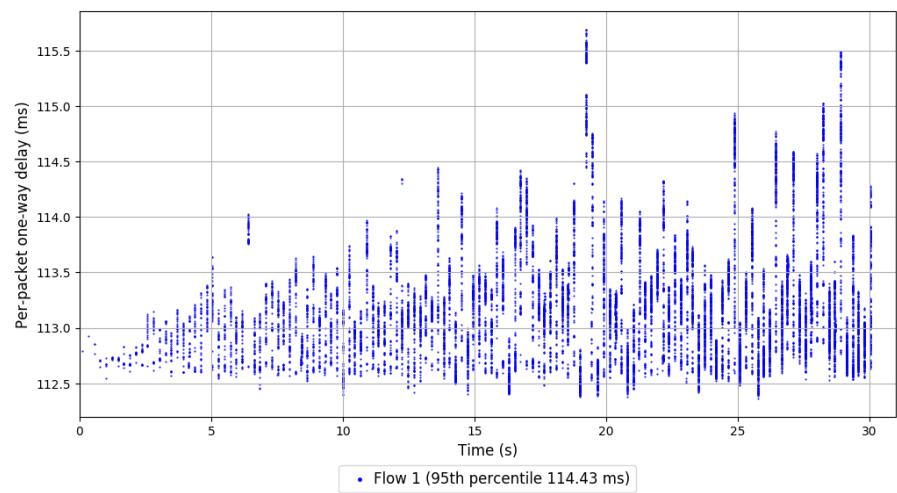
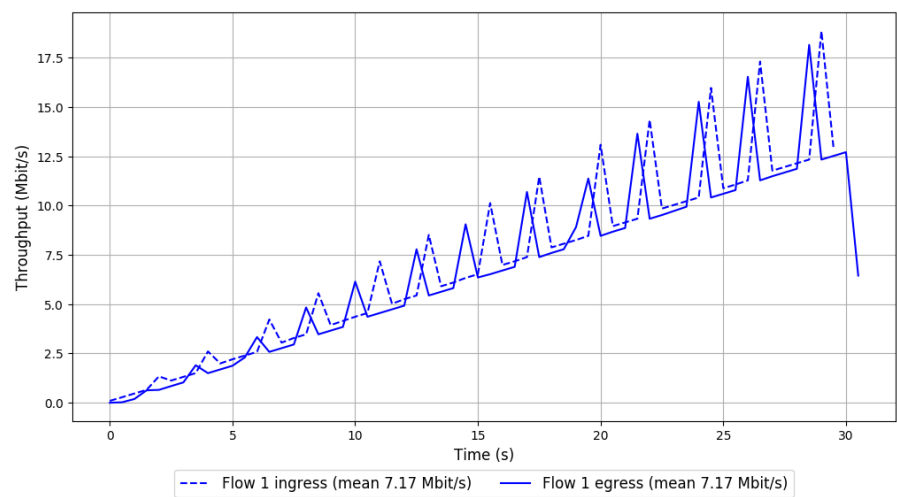
-- Flow 1:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 114.434 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 03:19:08

End at: 2018-06-05 03:19:38

Local clock offset: 7.11 ms

Remote clock offset: 10.067 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 442.69 Mbit/s

95th percentile per-packet one-way delay: 259.467 ms

Loss rate: 3.45%

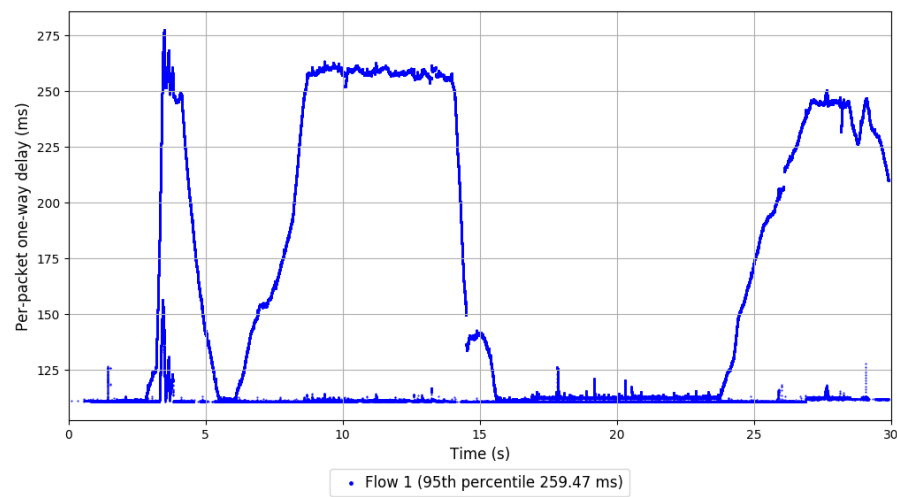
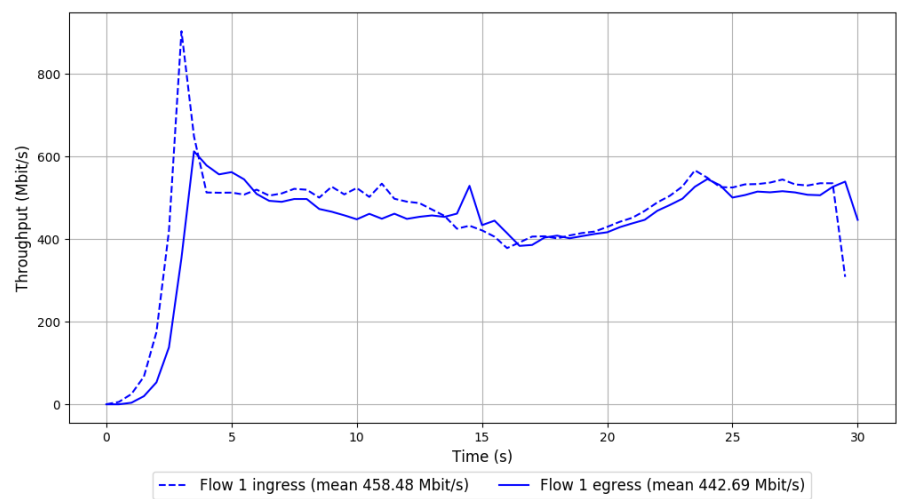
-- Flow 1:

Average throughput: 442.69 Mbit/s

95th percentile per-packet one-way delay: 259.467 ms

Loss rate: 3.45%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 03:39:30

End at: 2018-06-05 03:40:00

Local clock offset: 24.8 ms

Remote clock offset: 24.759 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 424.40 Mbit/s

95th percentile per-packet one-way delay: 256.498 ms

Loss rate: 4.85%

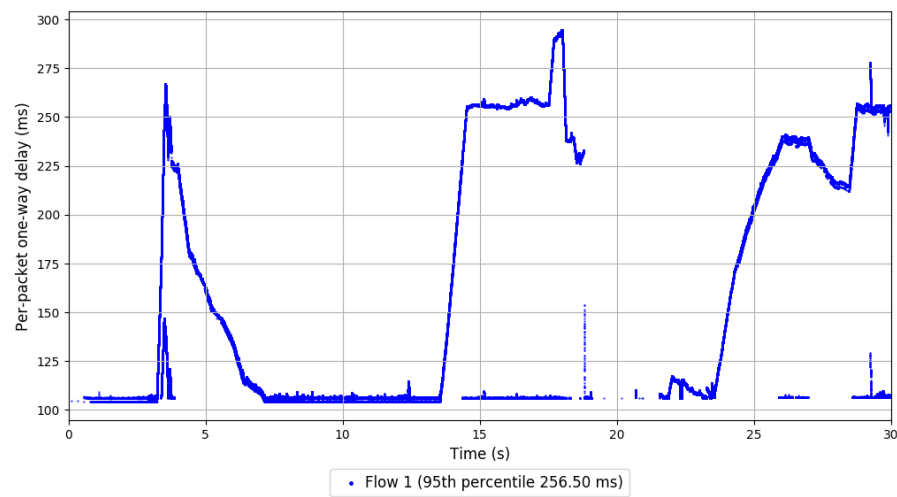
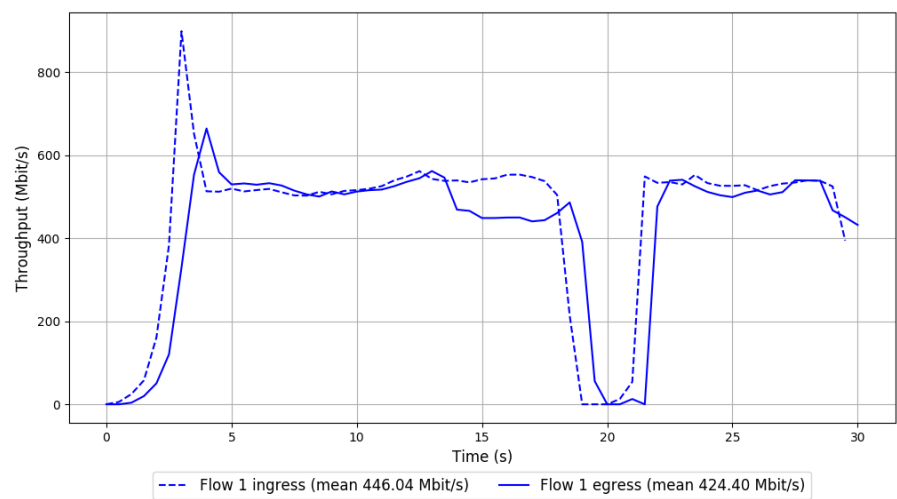
-- Flow 1:

Average throughput: 424.40 Mbit/s

95th percentile per-packet one-way delay: 256.498 ms

Loss rate: 4.85%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 04:00:23

End at: 2018-06-05 04:00:53

Local clock offset: 19.221 ms

Remote clock offset: 26.867 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.57 Mbit/s

95th percentile per-packet one-way delay: 193.556 ms

Loss rate: 0.49%

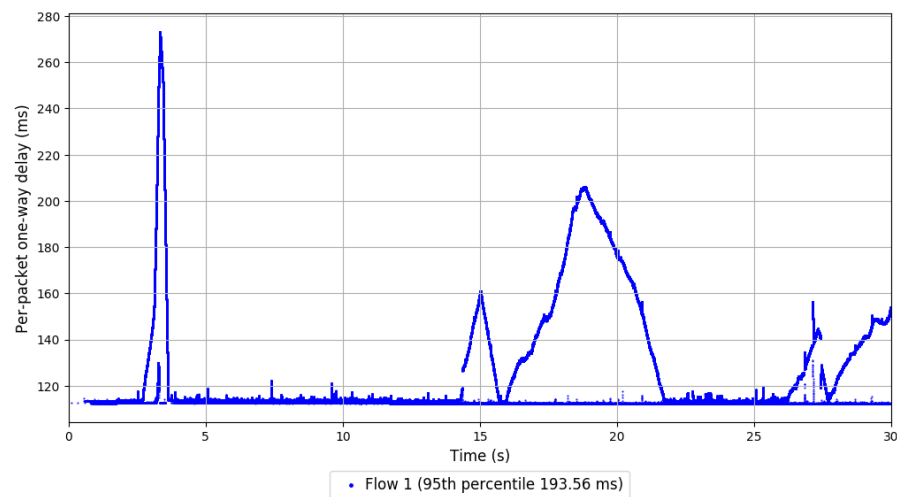
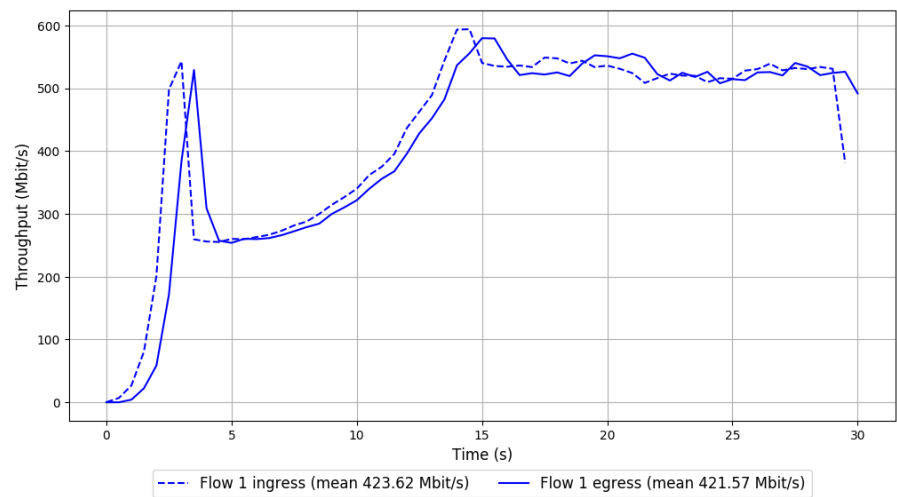
-- Flow 1:

Average throughput: 421.57 Mbit/s

95th percentile per-packet one-way delay: 193.556 ms

Loss rate: 0.49%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 04:20:59

End at: 2018-06-05 04:21:29

Local clock offset: 28.871 ms

Remote clock offset: 27.21 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.86 Mbit/s

95th percentile per-packet one-way delay: 226.608 ms

Loss rate: 1.48%

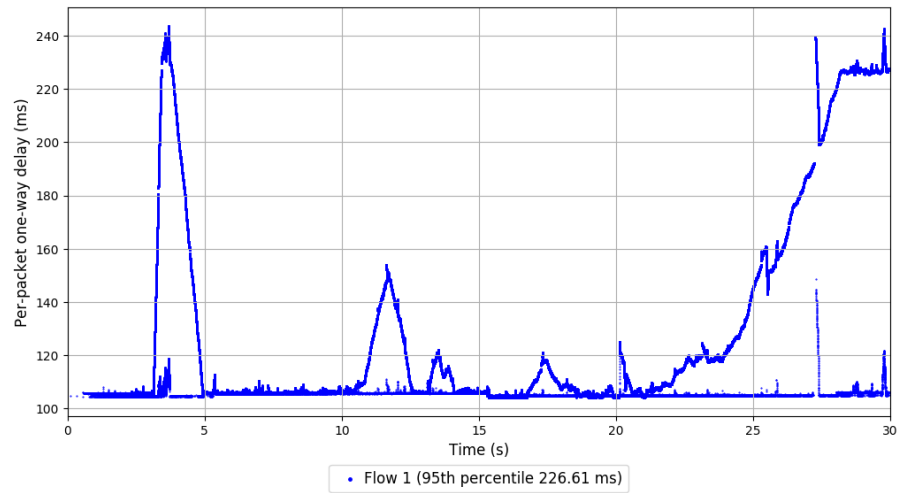
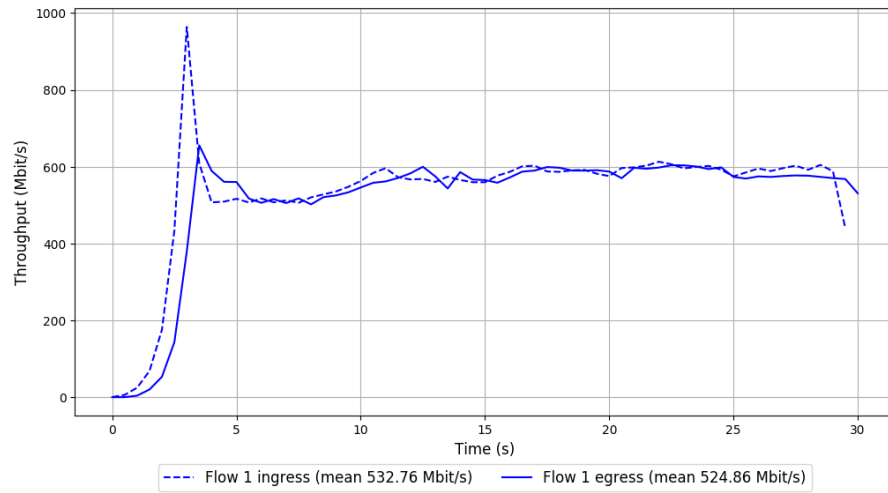
-- Flow 1:

Average throughput: 524.86 Mbit/s

95th percentile per-packet one-way delay: 226.608 ms

Loss rate: 1.48%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 04:41:34

End at: 2018-06-05 04:42:04

Local clock offset: 20.097 ms

Remote clock offset: 9.894 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 479.14 Mbit/s

95th percentile per-packet one-way delay: 149.492 ms

Loss rate: 0.73%

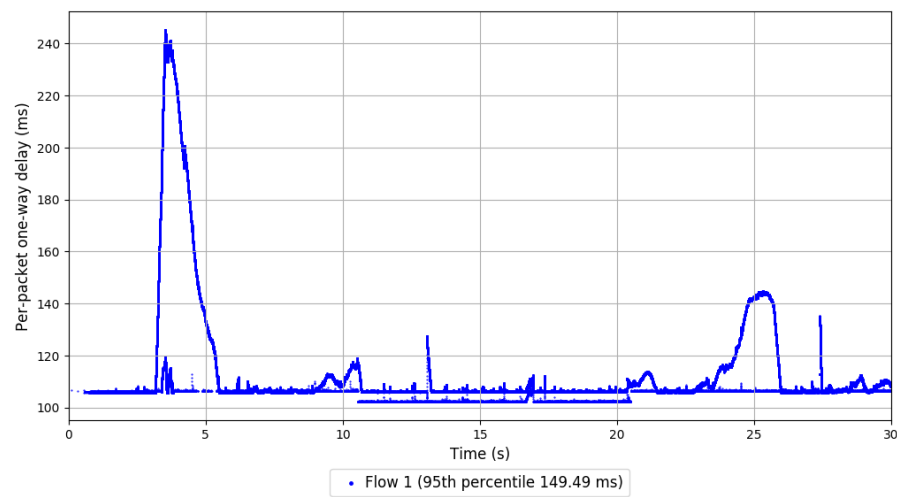
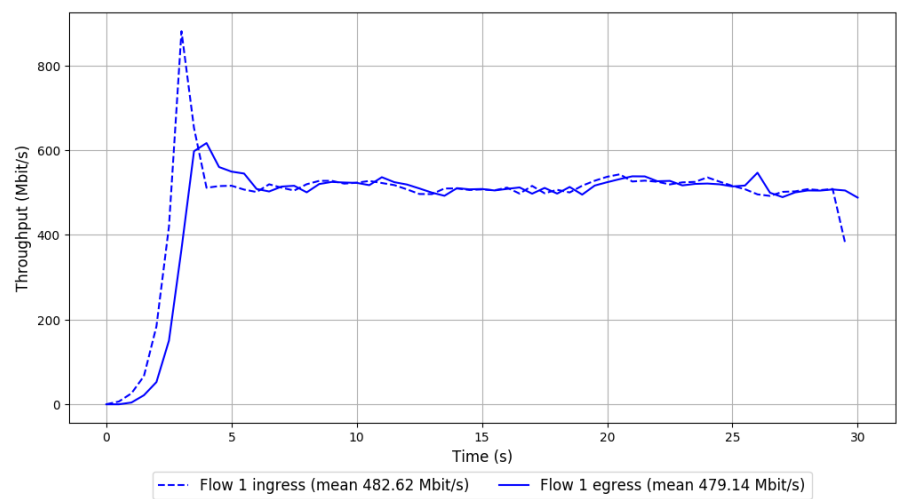
-- Flow 1:

Average throughput: 479.14 Mbit/s

95th percentile per-packet one-way delay: 149.492 ms

Loss rate: 0.73%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 05:02:06

End at: 2018-06-05 05:02:37

Local clock offset: 6.922 ms

Remote clock offset: 4.526 ms

Below is generated by plot.py at 2018-06-05 07:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.87 Mbit/s

95th percentile per-packet one-way delay: 243.165 ms

Loss rate: 1.24%

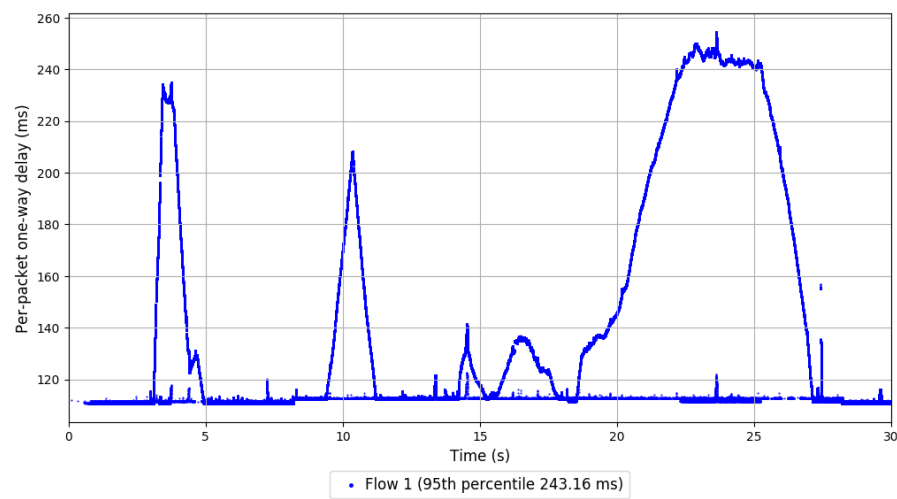
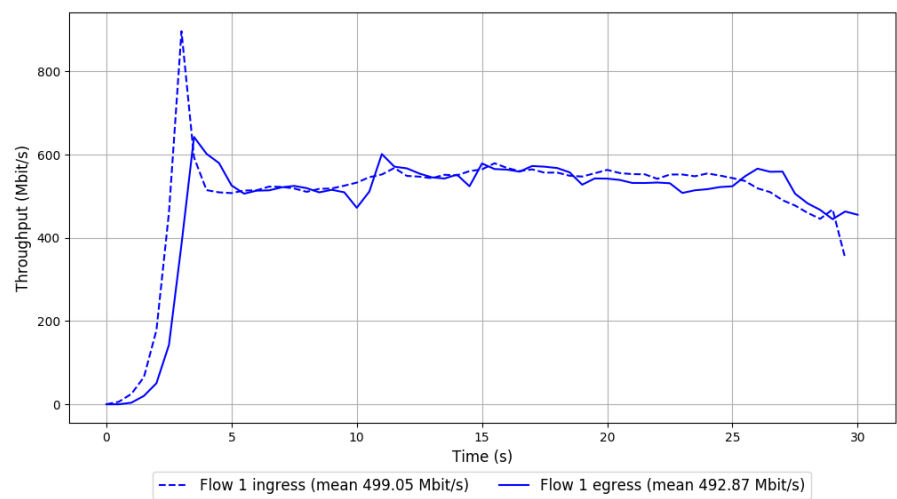
-- Flow 1:

Average throughput: 492.87 Mbit/s

95th percentile per-packet one-way delay: 243.165 ms

Loss rate: 1.24%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 05:22:44

End at: 2018-06-05 05:23:14

Local clock offset: 7.593 ms

Remote clock offset: 5.129 ms

Below is generated by plot.py at 2018-06-05 07:32:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.40 Mbit/s

95th percentile per-packet one-way delay: 241.039 ms

Loss rate: 2.21%

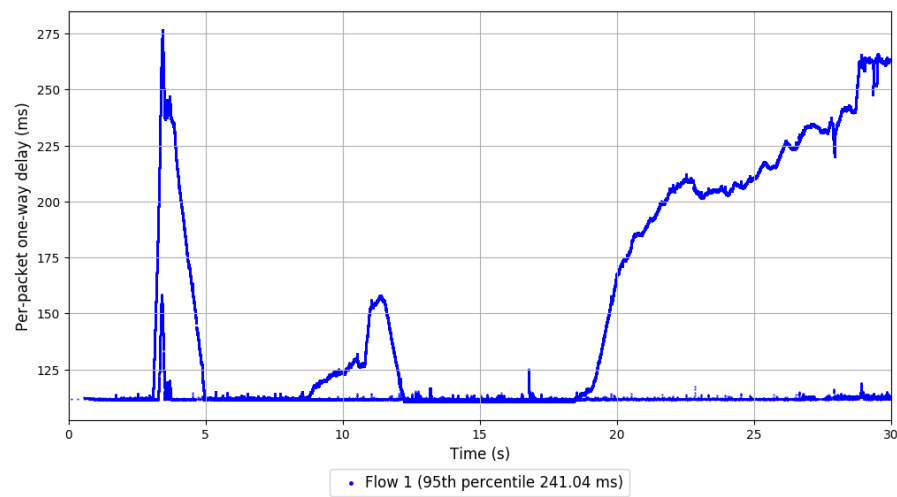
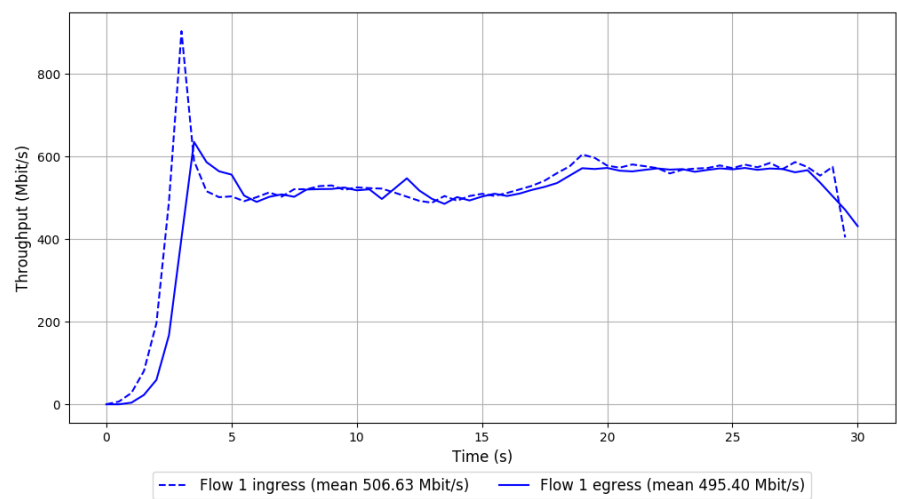
-- Flow 1:

Average throughput: 495.40 Mbit/s

95th percentile per-packet one-way delay: 241.039 ms

Loss rate: 2.21%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 05:43:07

End at: 2018-06-05 05:43:37

Local clock offset: 1.627 ms

Remote clock offset: 1.761 ms

Below is generated by plot.py at 2018-06-05 07:32:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 456.24 Mbit/s

95th percentile per-packet one-way delay: 176.368 ms

Loss rate: 0.63%

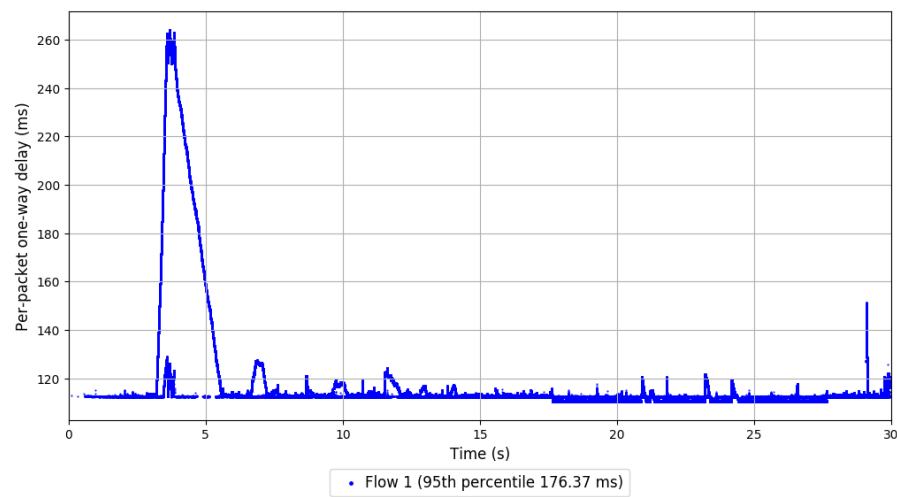
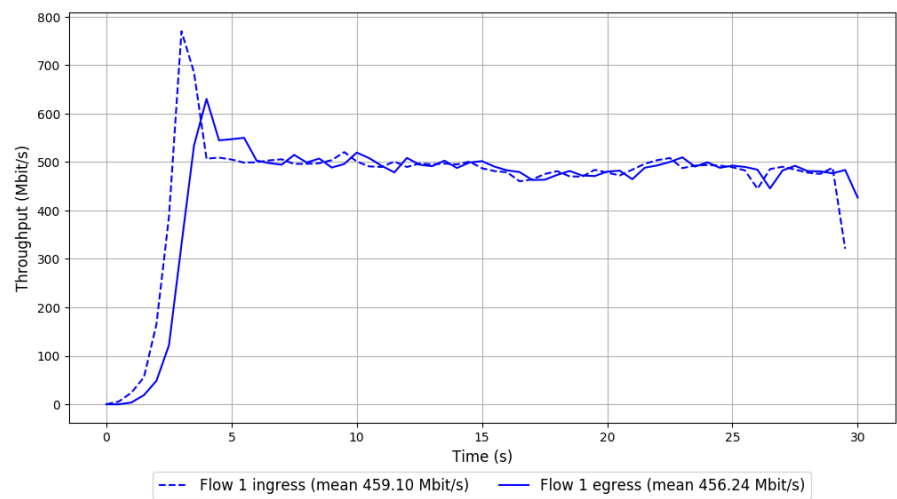
-- Flow 1:

Average throughput: 456.24 Mbit/s

95th percentile per-packet one-way delay: 176.368 ms

Loss rate: 0.63%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 06:03:43

End at: 2018-06-05 06:04:13

Local clock offset: 0.641 ms

Remote clock offset: 1.455 ms

Below is generated by plot.py at 2018-06-05 07:32:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.38 Mbit/s

95th percentile per-packet one-way delay: 183.422 ms

Loss rate: 0.82%

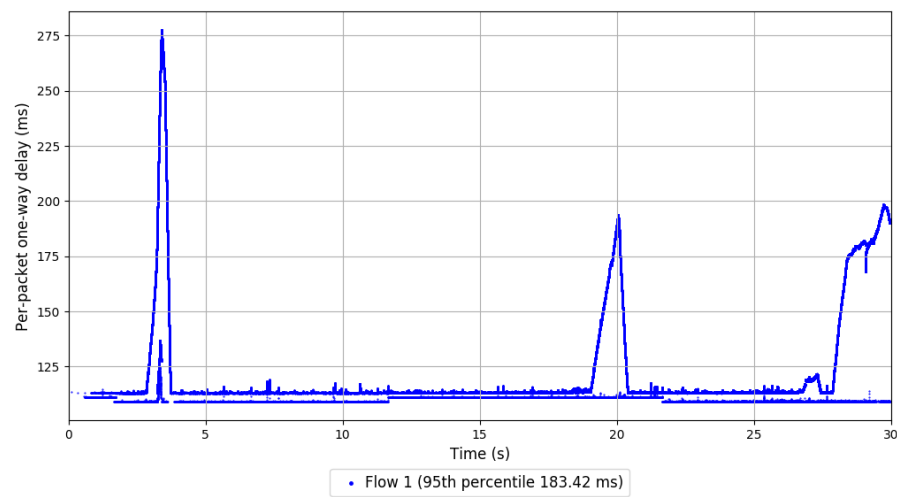
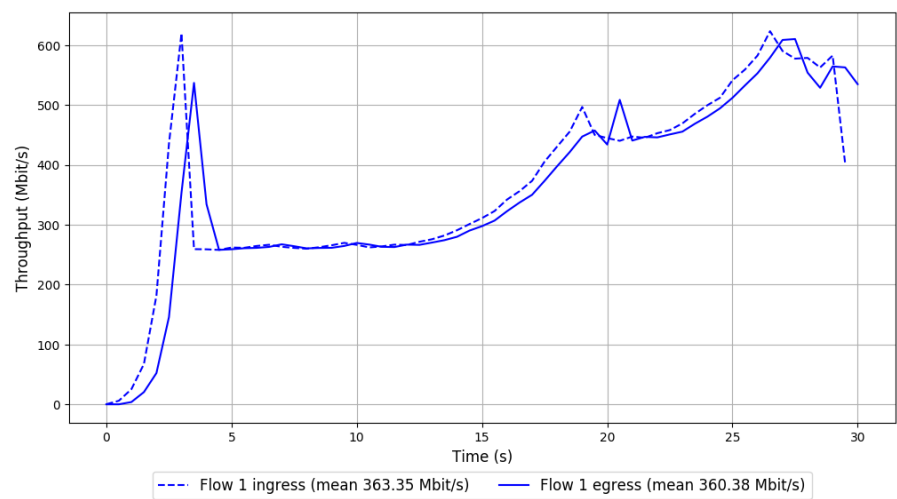
-- Flow 1:

Average throughput: 360.38 Mbit/s

95th percentile per-packet one-way delay: 183.422 ms

Loss rate: 0.82%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 06:24:24

End at: 2018-06-05 06:24:54

Local clock offset: 0.521 ms

Remote clock offset: 0.916 ms

Below is generated by plot.py at 2018-06-05 07:34:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.88 Mbit/s

95th percentile per-packet one-way delay: 258.408 ms

Loss rate: 2.67%

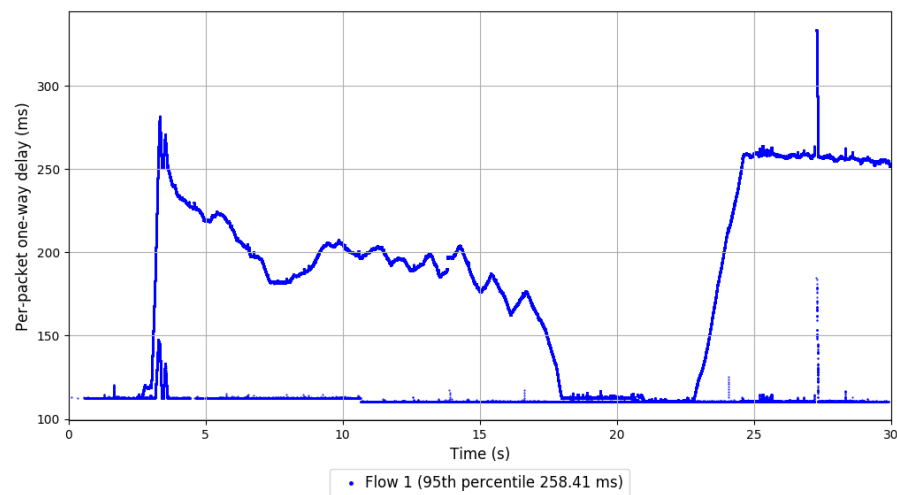
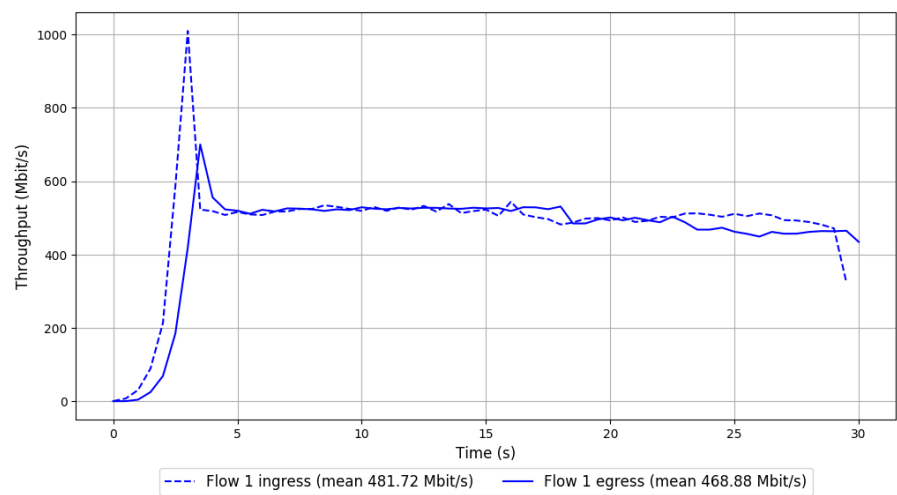
-- Flow 1:

Average throughput: 468.88 Mbit/s

95th percentile per-packet one-way delay: 258.408 ms

Loss rate: 2.67%

Run 10: Report of PCC-Allegro — Data Link

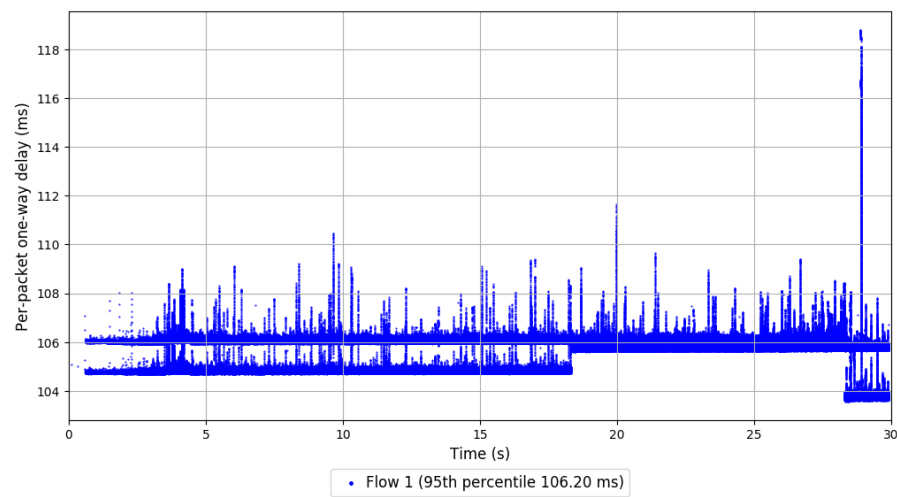
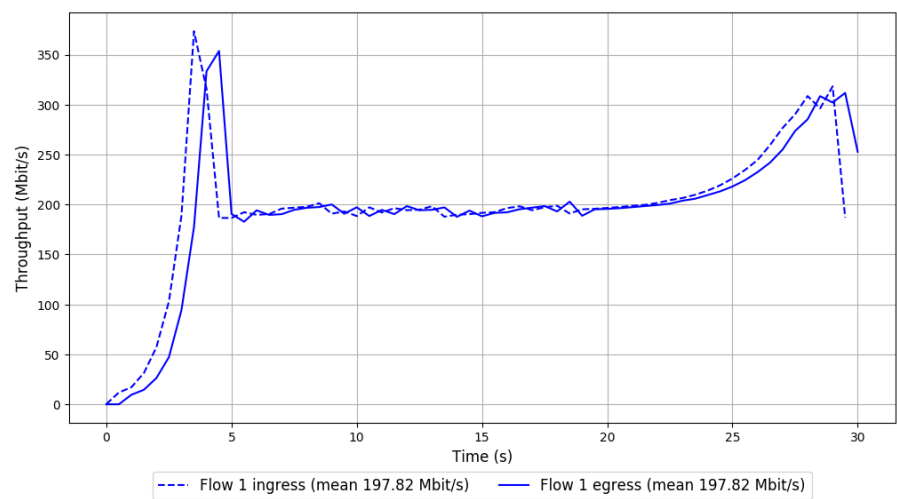


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 03:27:36
End at: 2018-06-05 03:28:06
Local clock offset: 18.385 ms
Remote clock offset: 15.227 ms

# Below is generated by plot.py at 2018-06-05 07:34:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.82 Mbit/s
95th percentile per-packet one-way delay: 106.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.82 Mbit/s
95th percentile per-packet one-way delay: 106.196 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

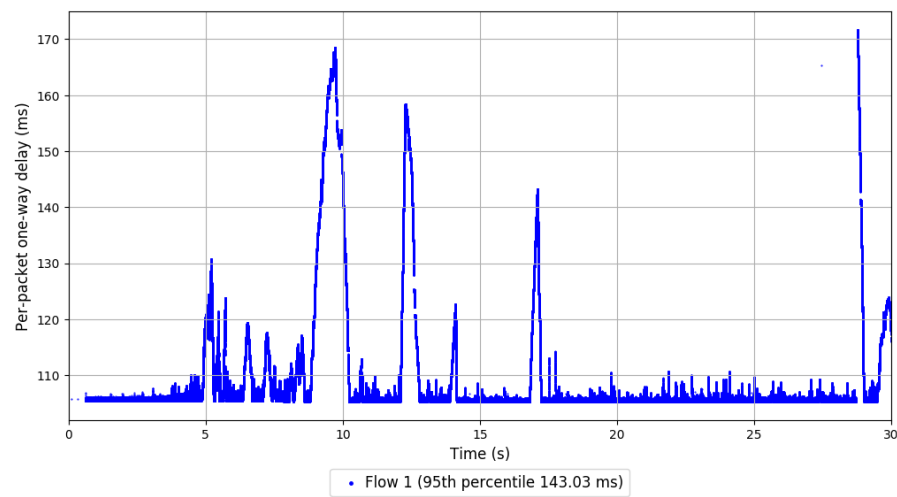
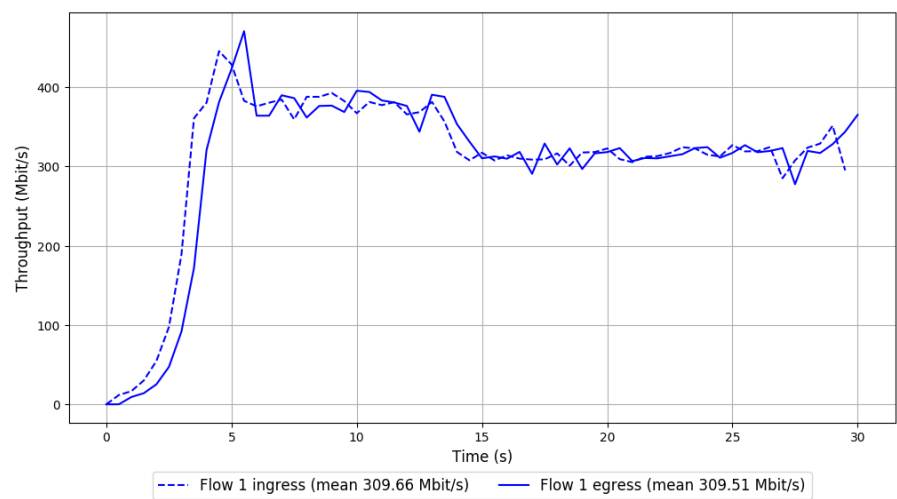


Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 03:48:17
End at: 2018-06-05 03:48:47
Local clock offset: 23.509 ms
Remote clock offset: 22.047 ms

Below is generated by plot.py at 2018-06-05 07:37:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.51 Mbit/s
95th percentile per-packet one-way delay: 143.026 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 309.51 Mbit/s
95th percentile per-packet one-way delay: 143.026 ms
Loss rate: 0.05%

Run 2: Report of PCC-Expr — Data Link

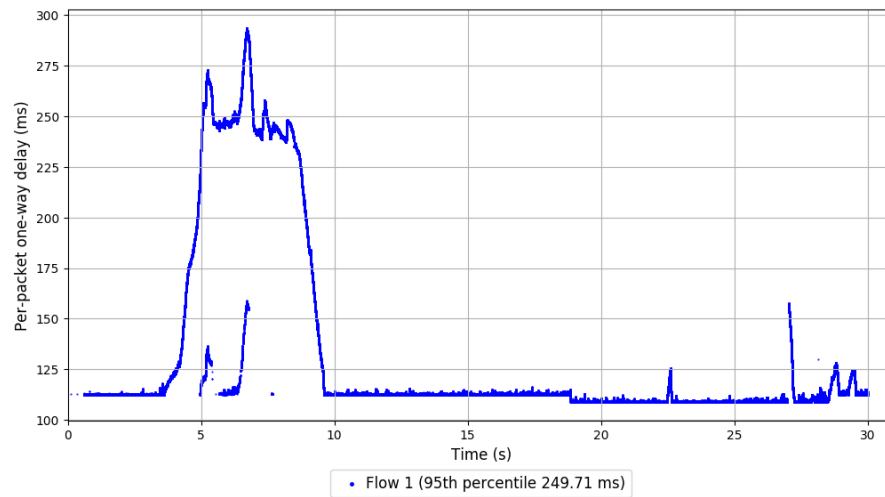
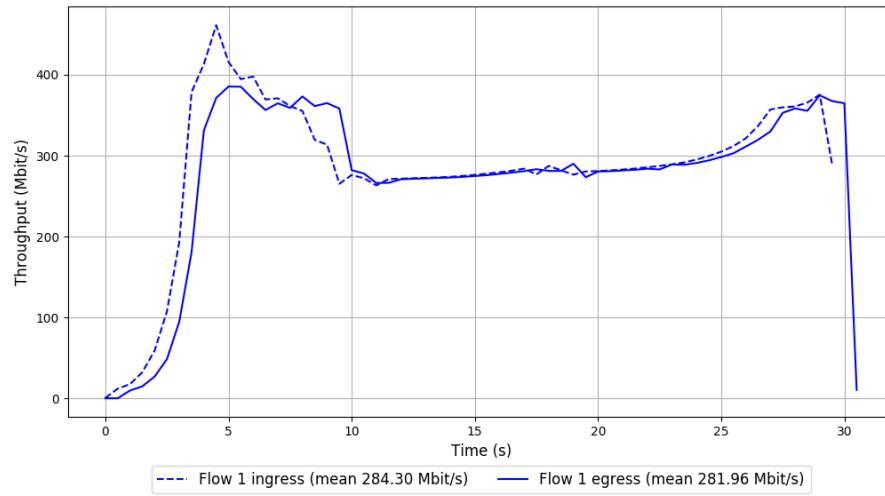


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 04:08:56
End at: 2018-06-05 04:09:26
Local clock offset: 25.897 ms
Remote clock offset: 35.066 ms

Below is generated by plot.py at 2018-06-05 07:37:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.96 Mbit/s
95th percentile per-packet one-way delay: 249.710 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 281.96 Mbit/s
95th percentile per-packet one-way delay: 249.710 ms
Loss rate: 0.83%

Run 3: Report of PCC-Expr — Data Link

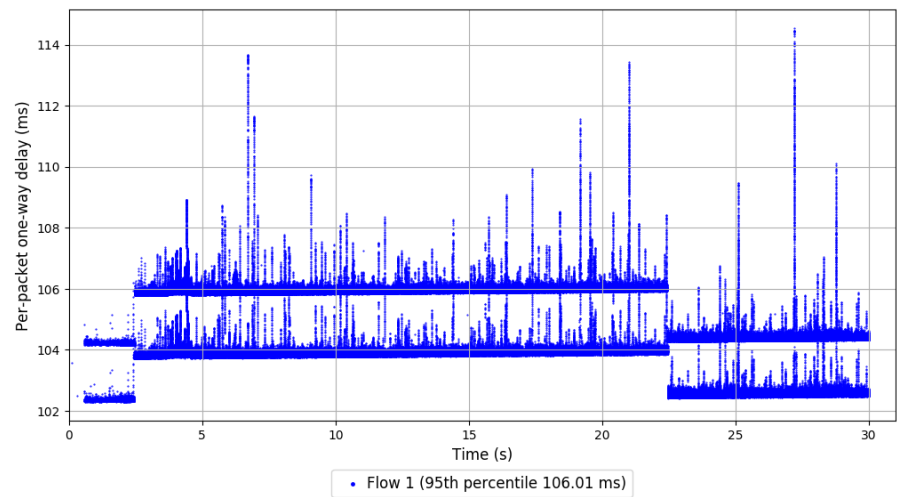
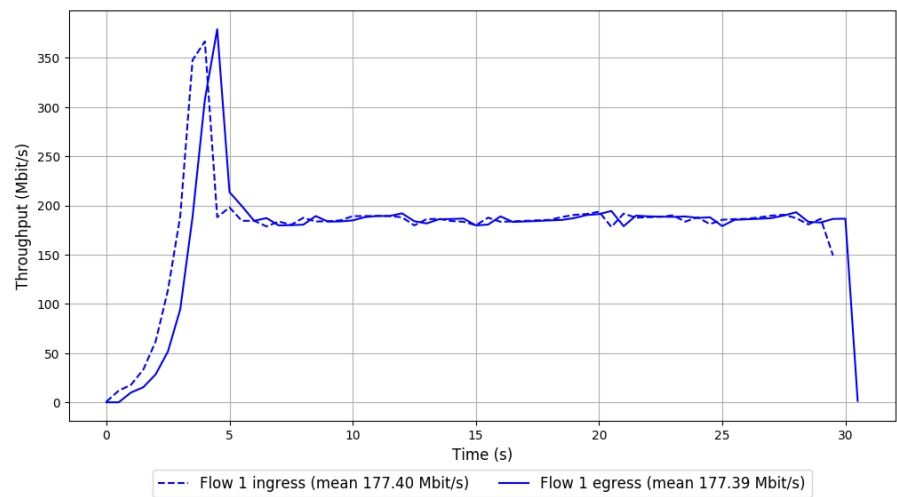


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 04:29:32
End at: 2018-06-05 04:30:02
Local clock offset: 19.94 ms
Remote clock offset: 13.504 ms

Below is generated by plot.py at 2018-06-05 07:37:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.39 Mbit/s
95th percentile per-packet one-way delay: 106.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.39 Mbit/s
95th percentile per-packet one-way delay: 106.010 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

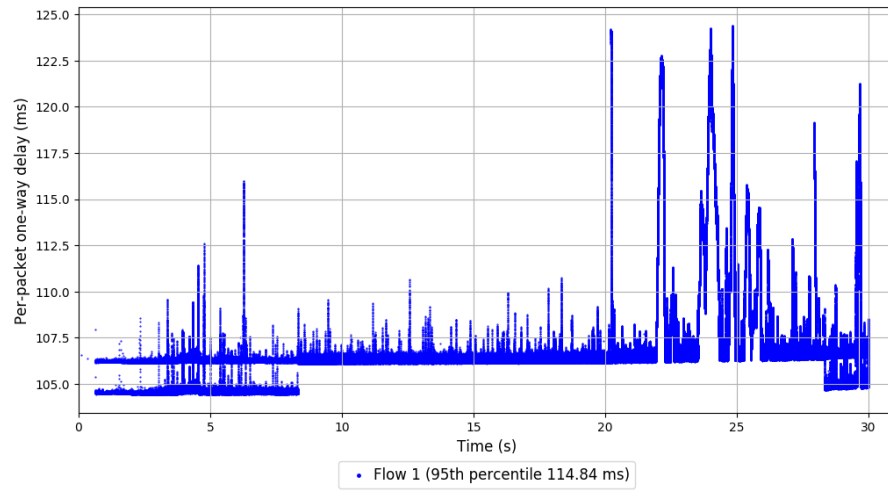
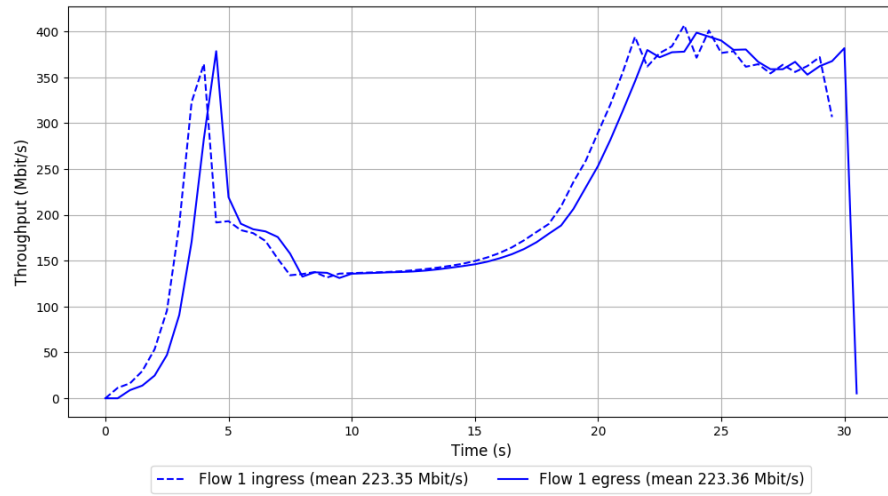


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 04:50:06
End at: 2018-06-05 04:50:36
Local clock offset: 22.639 ms
Remote clock offset: 11.103 ms

Below is generated by plot.py at 2018-06-05 07:38:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.36 Mbit/s
95th percentile per-packet one-way delay: 114.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.36 Mbit/s
95th percentile per-packet one-way delay: 114.843 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 05:11:00

End at: 2018-06-05 05:11:30

Local clock offset: 12.564 ms

Remote clock offset: 3.894 ms

Below is generated by plot.py at 2018-06-05 07:38:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.86 Mbit/s

95th percentile per-packet one-way delay: 105.989 ms

Loss rate: 0.00%

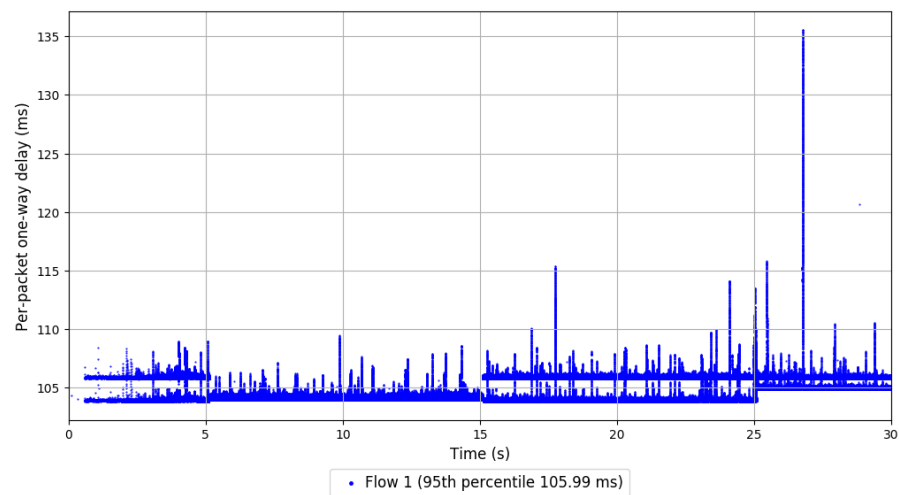
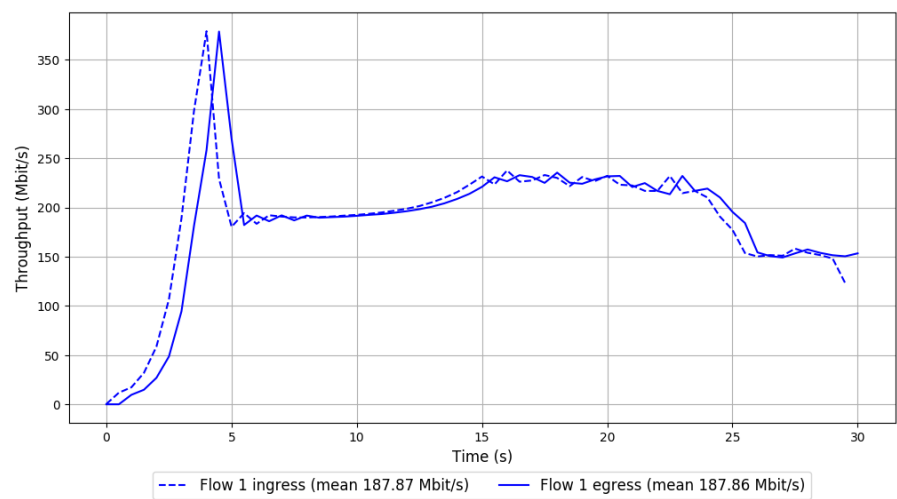
-- Flow 1:

Average throughput: 187.86 Mbit/s

95th percentile per-packet one-way delay: 105.989 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 05:31:23

End at: 2018-06-05 05:31:53

Local clock offset: 4.149 ms

Remote clock offset: 3.07 ms

Below is generated by plot.py at 2018-06-05 07:42:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.81 Mbit/s

95th percentile per-packet one-way delay: 162.332 ms

Loss rate: 0.00%

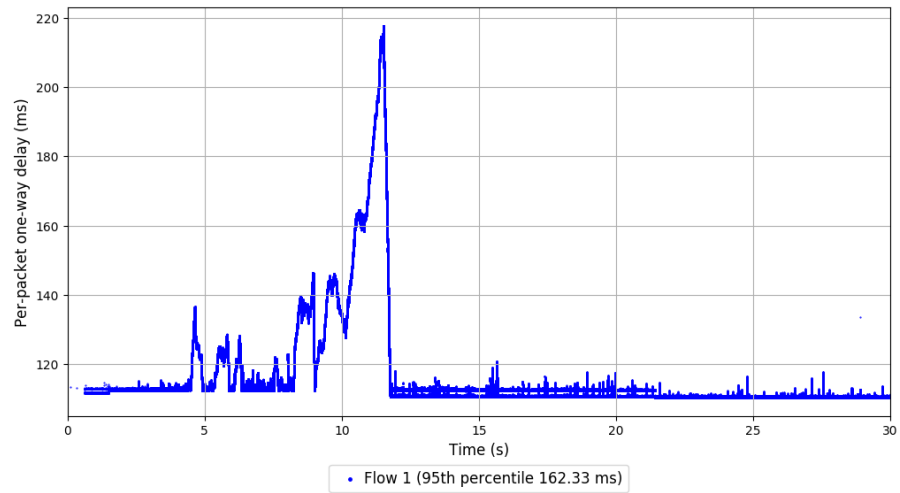
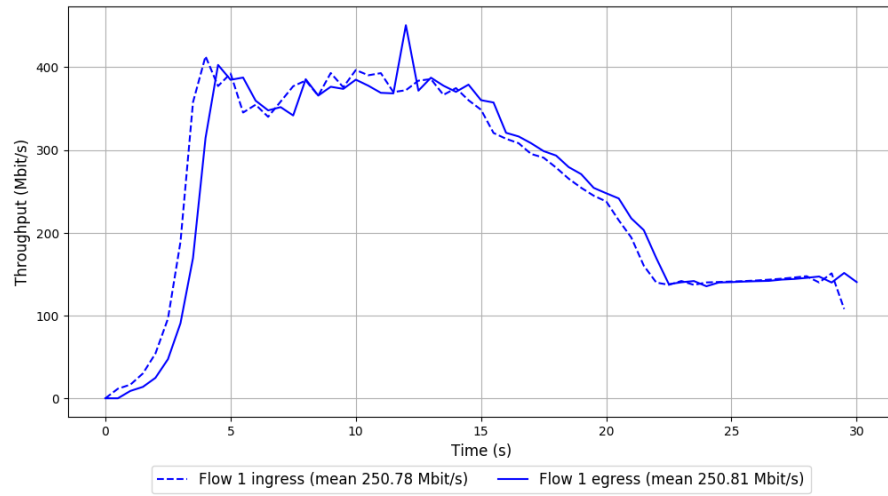
-- Flow 1:

Average throughput: 250.81 Mbit/s

95th percentile per-packet one-way delay: 162.332 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 05:51:46

End at: 2018-06-05 05:52:16

Local clock offset: 1.754 ms

Remote clock offset: 1.957 ms

Below is generated by plot.py at 2018-06-05 07:42:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.62 Mbit/s

95th percentile per-packet one-way delay: 112.355 ms

Loss rate: 0.00%

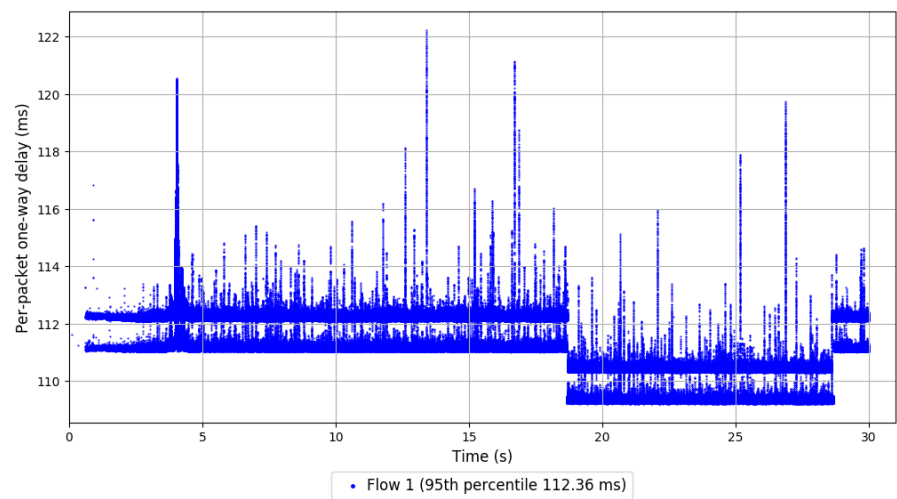
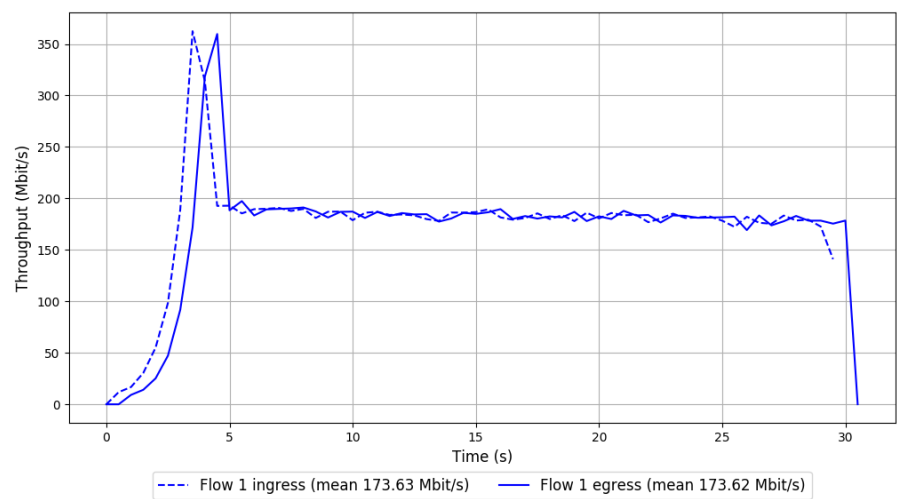
-- Flow 1:

Average throughput: 173.62 Mbit/s

95th percentile per-packet one-way delay: 112.355 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 06:12:14

End at: 2018-06-05 06:12:44

Local clock offset: 0.582 ms

Remote clock offset: 0.875 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.34 Mbit/s

95th percentile per-packet one-way delay: 136.130 ms

Loss rate: 0.02%

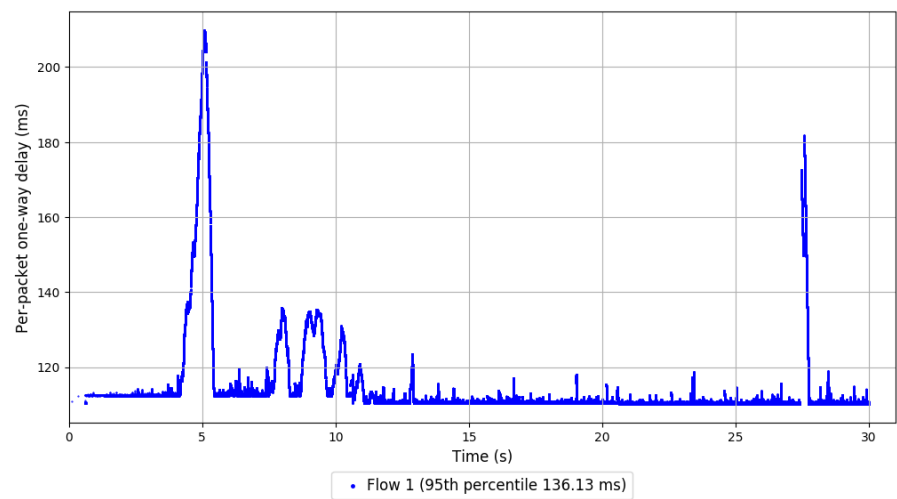
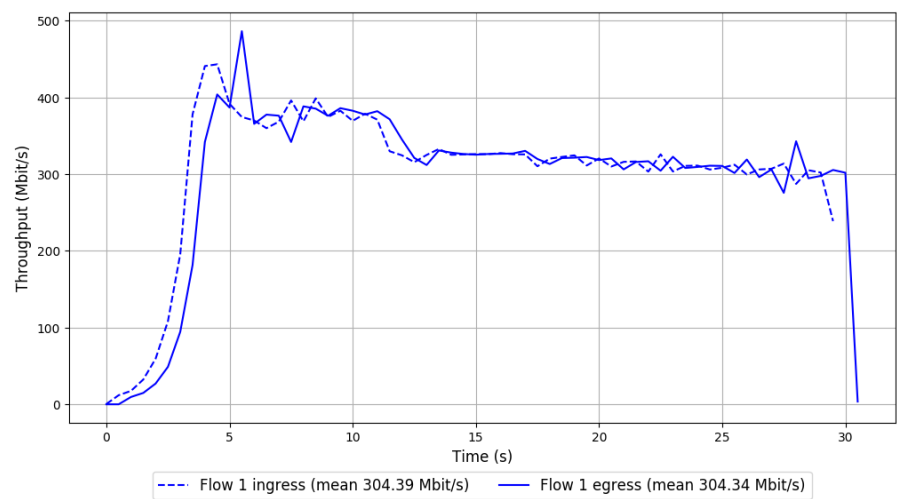
-- Flow 1:

Average throughput: 304.34 Mbit/s

95th percentile per-packet one-way delay: 136.130 ms

Loss rate: 0.02%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 06:33:09

End at: 2018-06-05 06:33:39

Local clock offset: 0.538 ms

Remote clock offset: 0.728 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.19 Mbit/s

95th percentile per-packet one-way delay: 113.423 ms

Loss rate: 0.02%

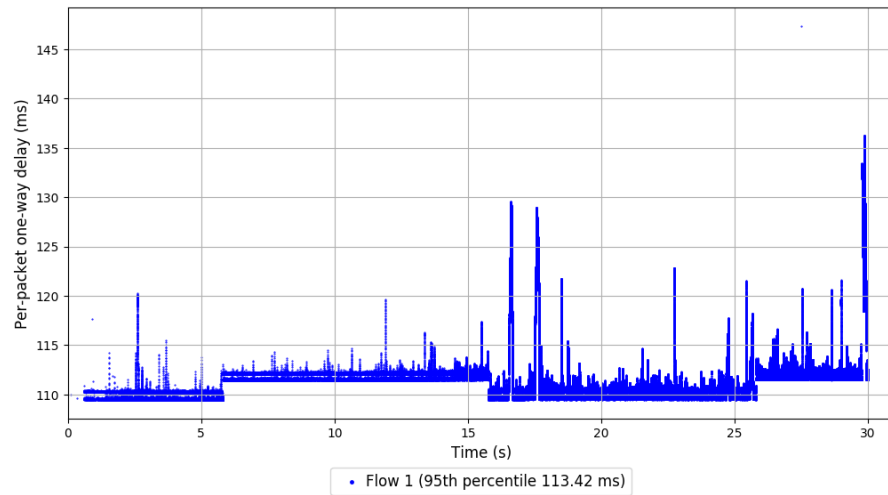
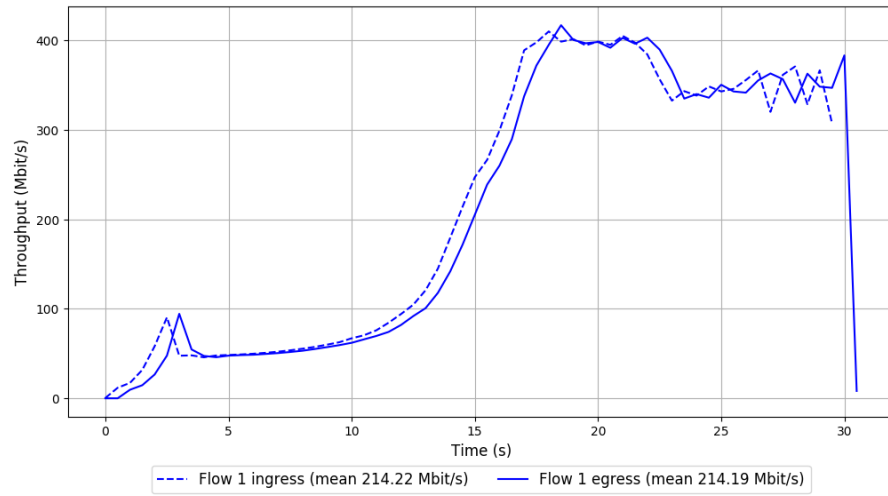
-- Flow 1:

Average throughput: 214.19 Mbit/s

95th percentile per-packet one-way delay: 113.423 ms

Loss rate: 0.02%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

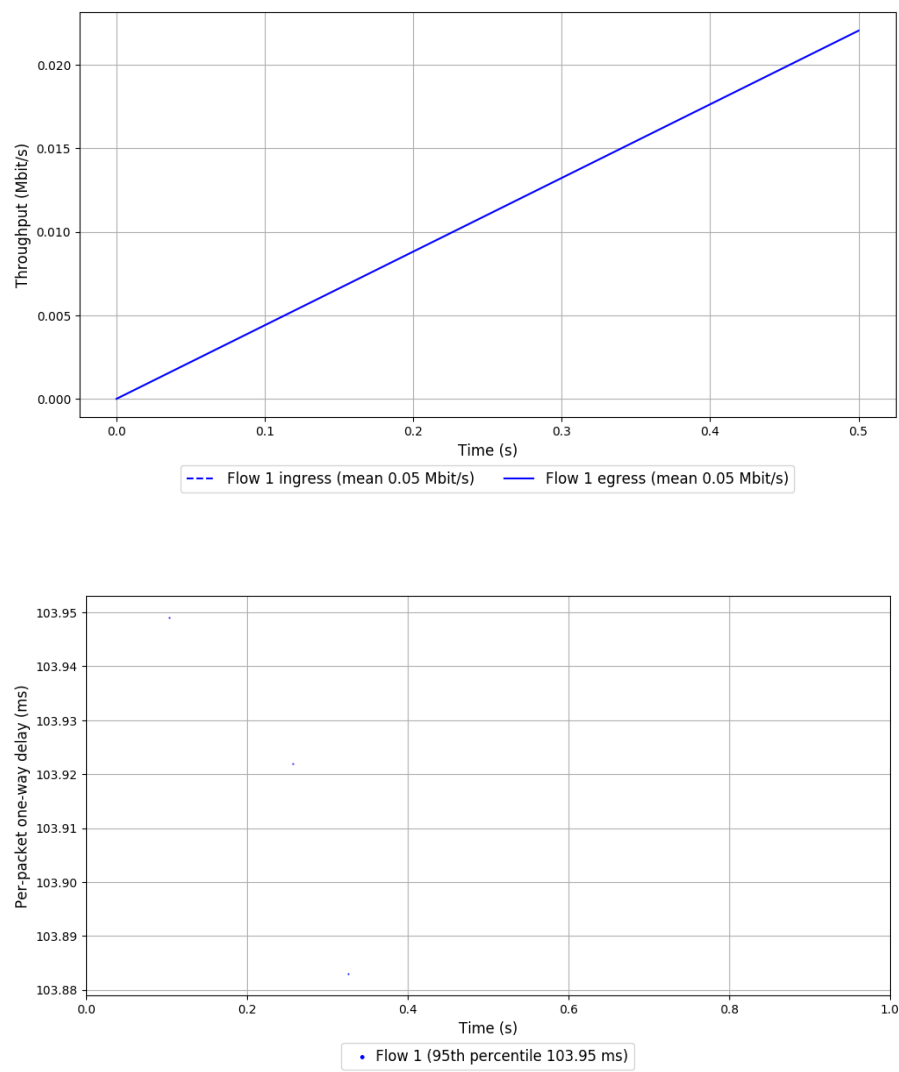
Start at: 2018-06-05 03:11:17

End at: 2018-06-05 03:11:47

Local clock offset: 9.719 ms

Remote clock offset: 4.887 ms

Run 1: Report of QUIC Cubic — Data Link

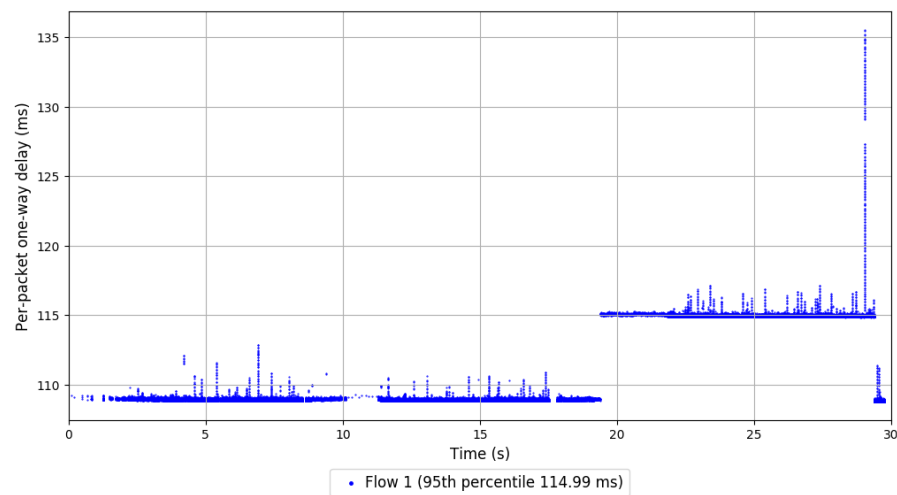
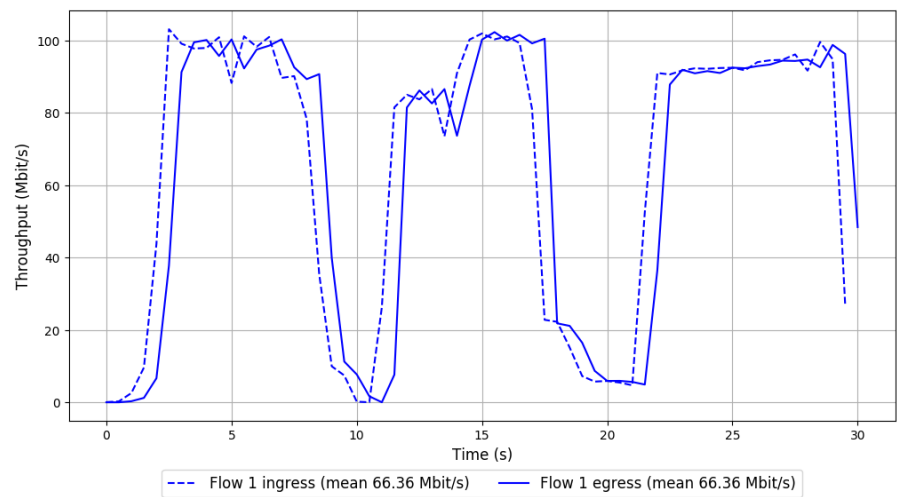


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 03:31:35
End at: 2018-06-05 03:32:05
Local clock offset: 10.935 ms
Remote clock offset: 15.077 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.36 Mbit/s
95th percentile per-packet one-way delay: 114.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.36 Mbit/s
95th percentile per-packet one-way delay: 114.990 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

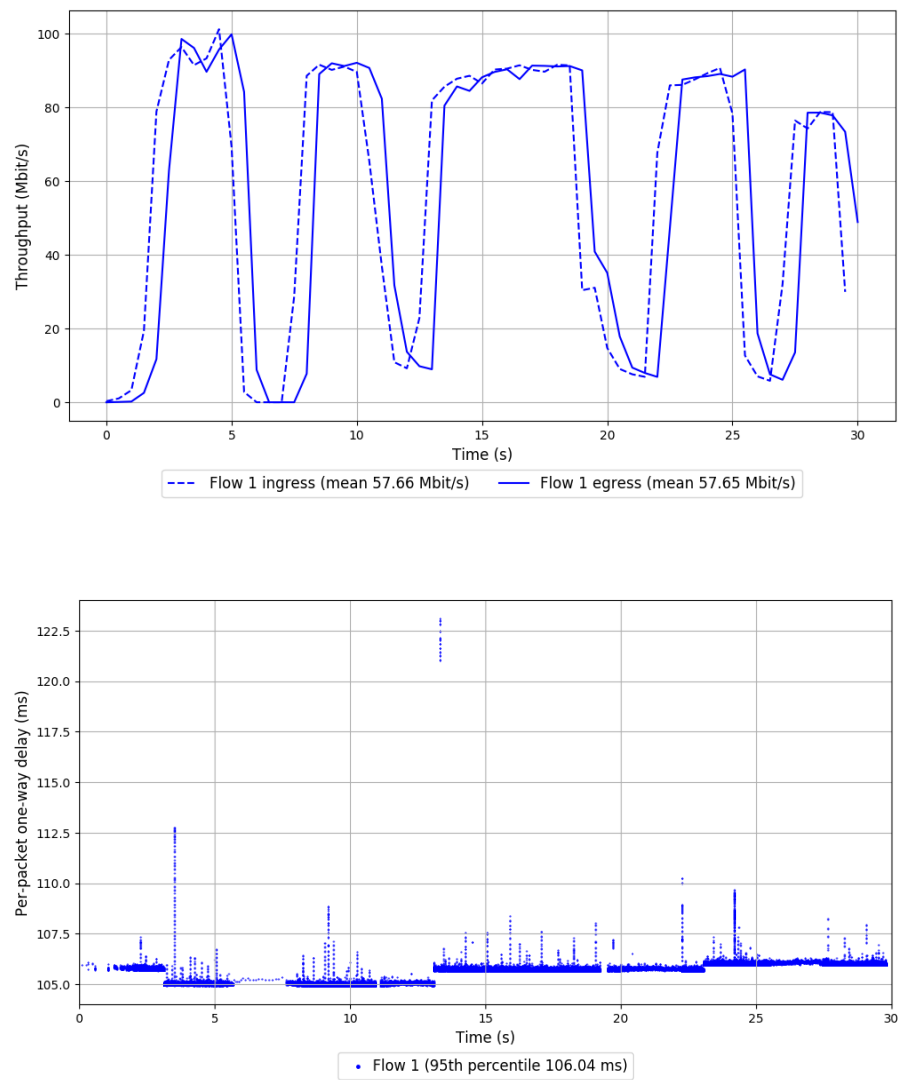


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 03:52:31
End at: 2018-06-05 03:53:01
Local clock offset: 22.824 ms
Remote clock offset: 21.766 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 106.040 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 106.040 ms
Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 04:13:06

End at: 2018-06-05 04:13:36

Local clock offset: 35.963 ms

Remote clock offset: 39.652 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.51 Mbit/s

95th percentile per-packet one-way delay: 106.379 ms

Loss rate: 0.01%

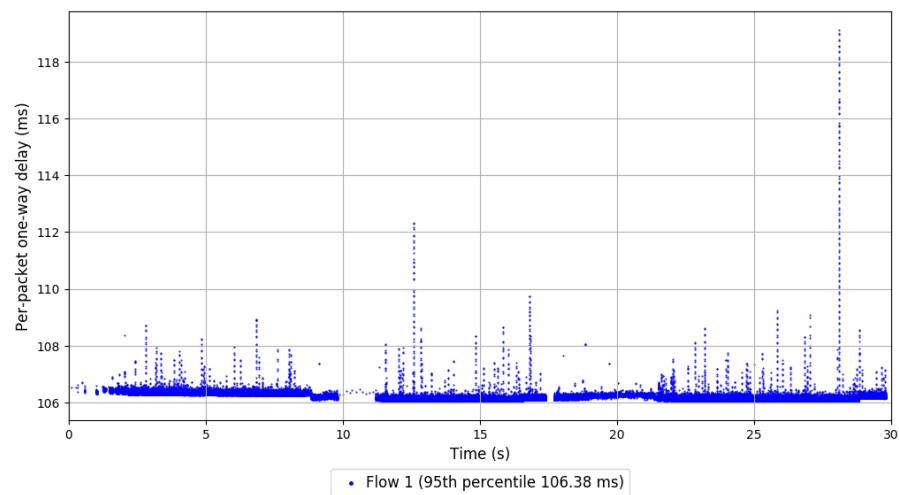
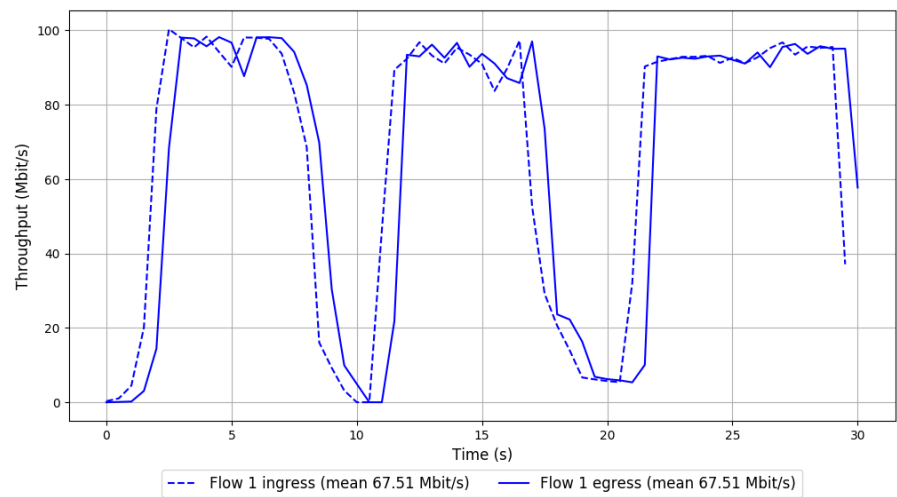
-- Flow 1:

Average throughput: 67.51 Mbit/s

95th percentile per-packet one-way delay: 106.379 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

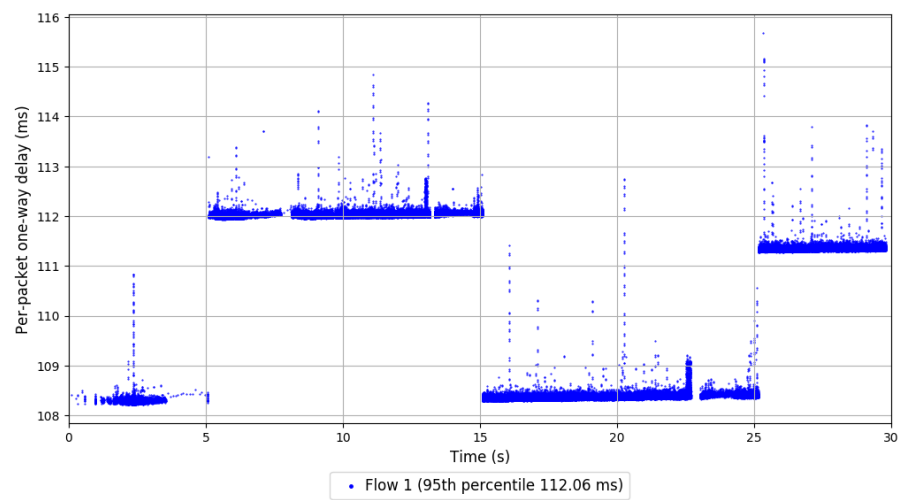
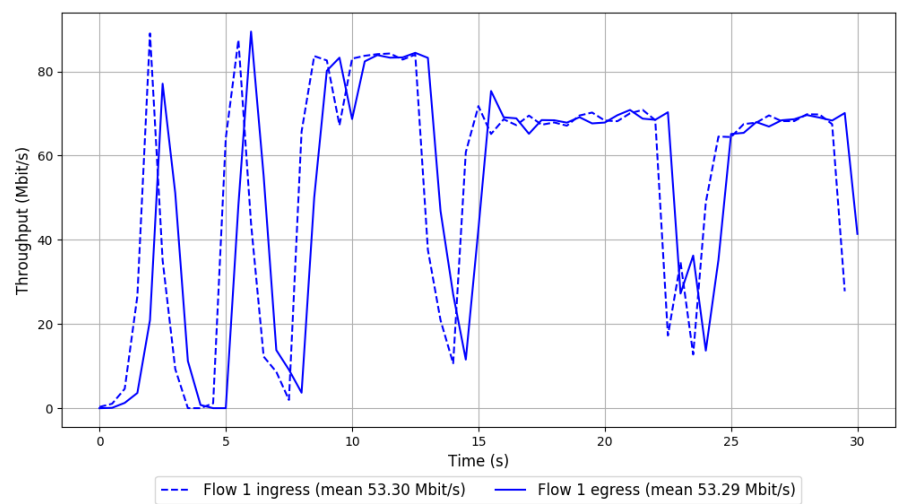


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 04:33:39
End at: 2018-06-05 04:34:09
Local clock offset: 12.517 ms
Remote clock offset: 10.654 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 112.063 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 112.063 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 04:54:09

End at: 2018-06-05 04:54:39

Local clock offset: 12.35 ms

Remote clock offset: 7.479 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.59 Mbit/s

95th percentile per-packet one-way delay: 111.940 ms

Loss rate: 0.00%

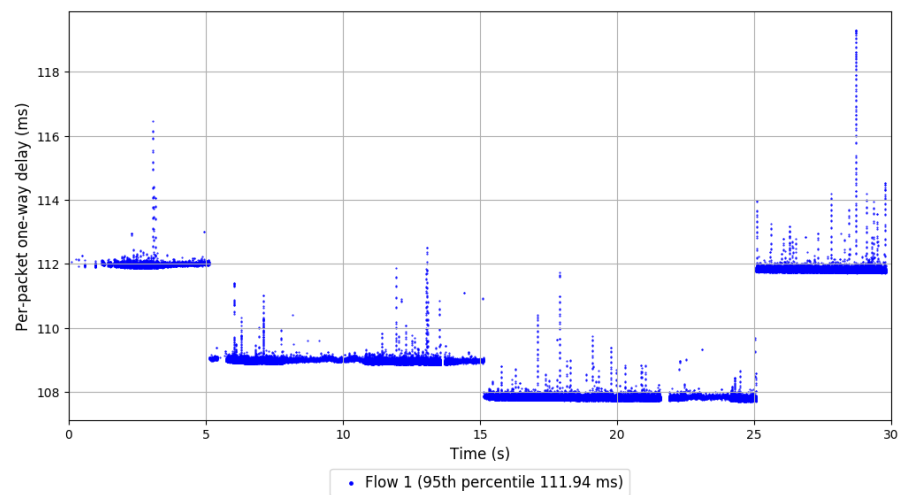
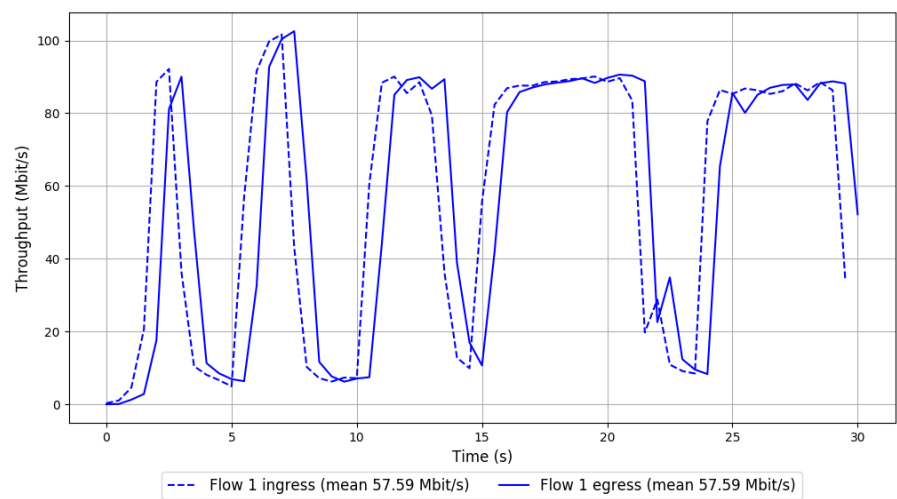
-- Flow 1:

Average throughput: 57.59 Mbit/s

95th percentile per-packet one-way delay: 111.940 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 05:15:00

End at: 2018-06-05 05:15:30

Local clock offset: 6.109 ms

Remote clock offset: 4.049 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.74 Mbit/s

95th percentile per-packet one-way delay: 112.734 ms

Loss rate: 0.00%

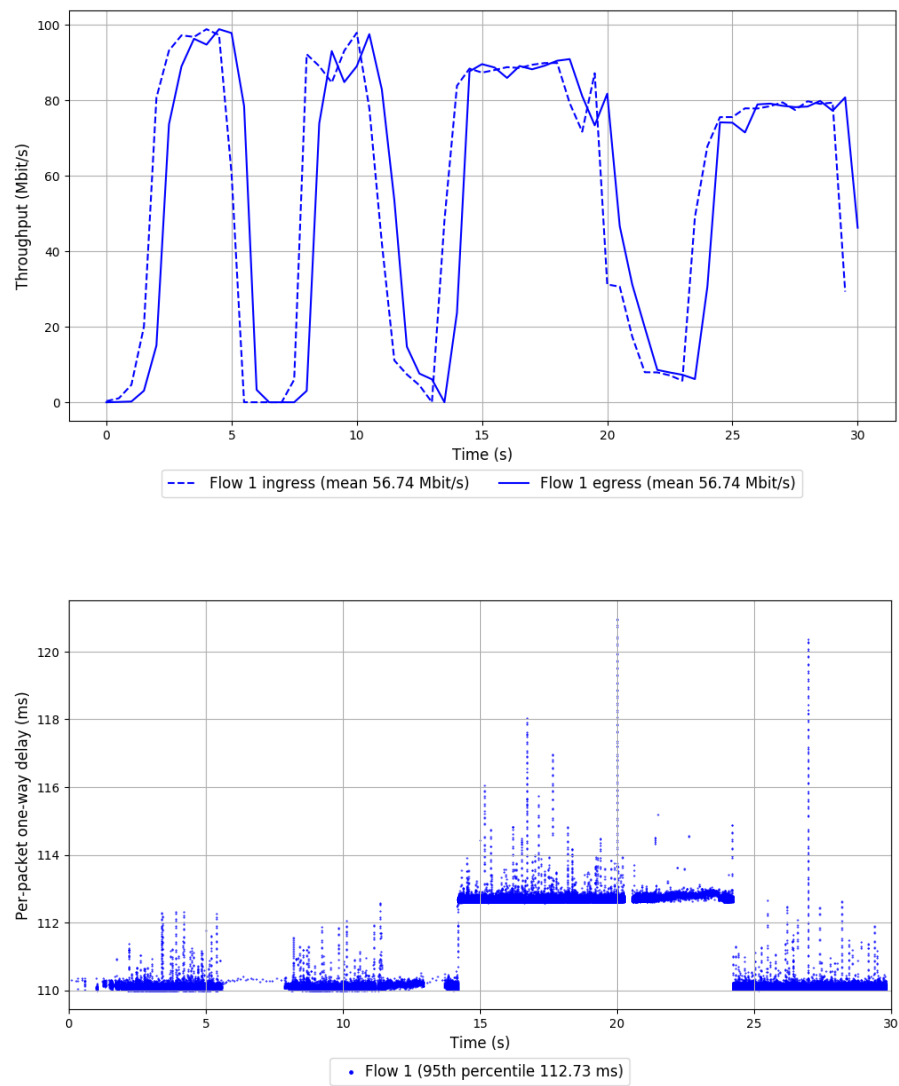
-- Flow 1:

Average throughput: 56.74 Mbit/s

95th percentile per-packet one-way delay: 112.734 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

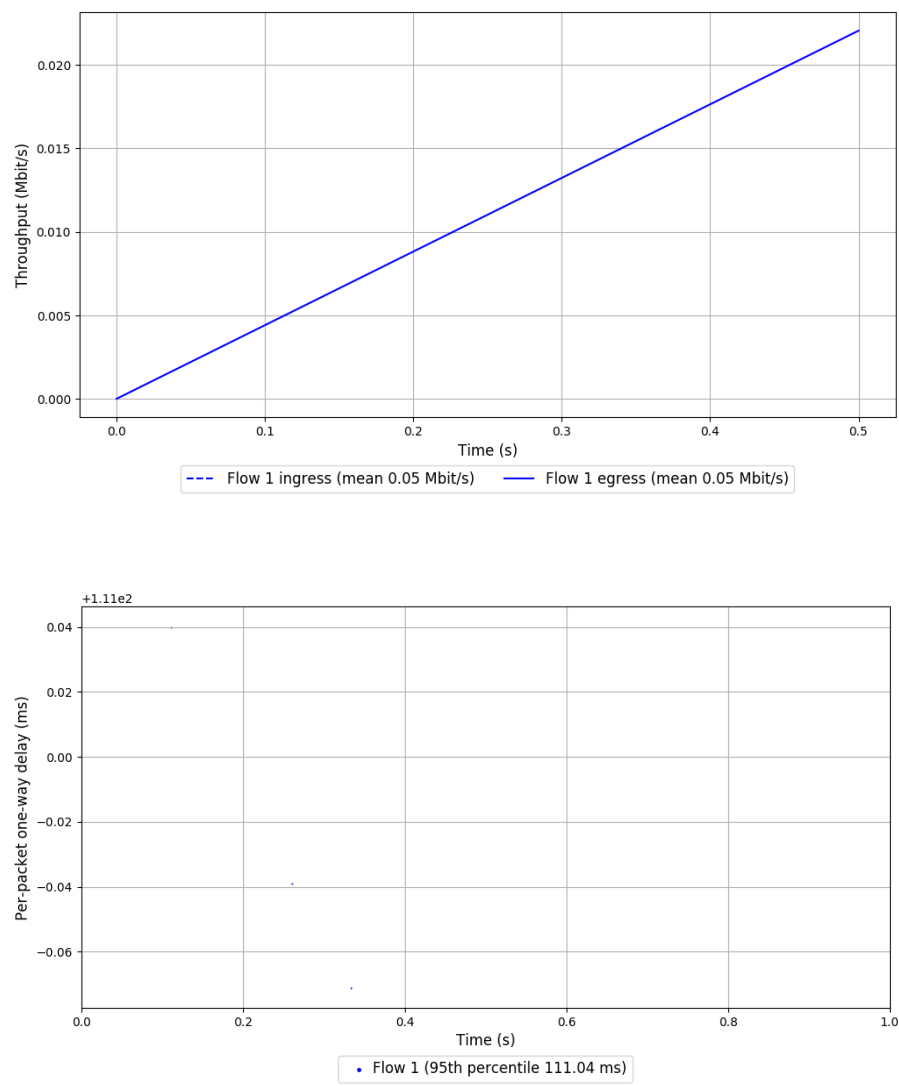
Start at: 2018-06-05 05:35:24

End at: 2018-06-05 05:35:54

Local clock offset: 2.8 ms

Remote clock offset: 2.142 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

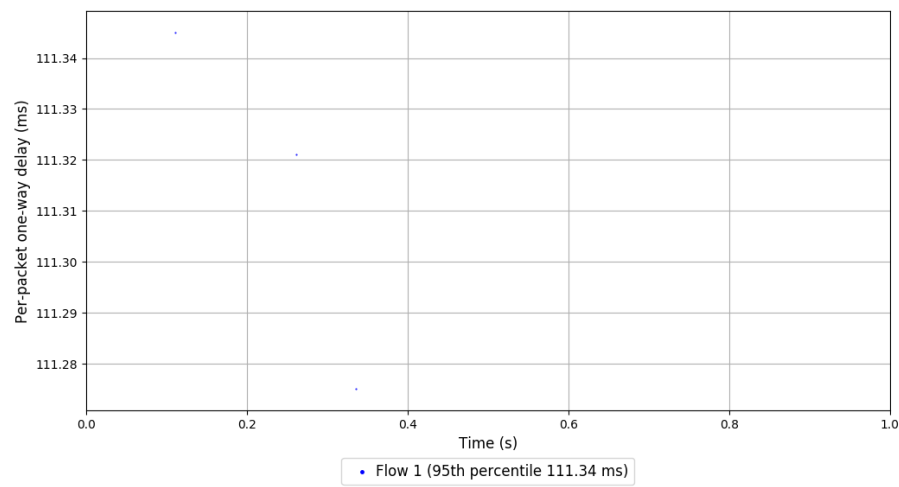
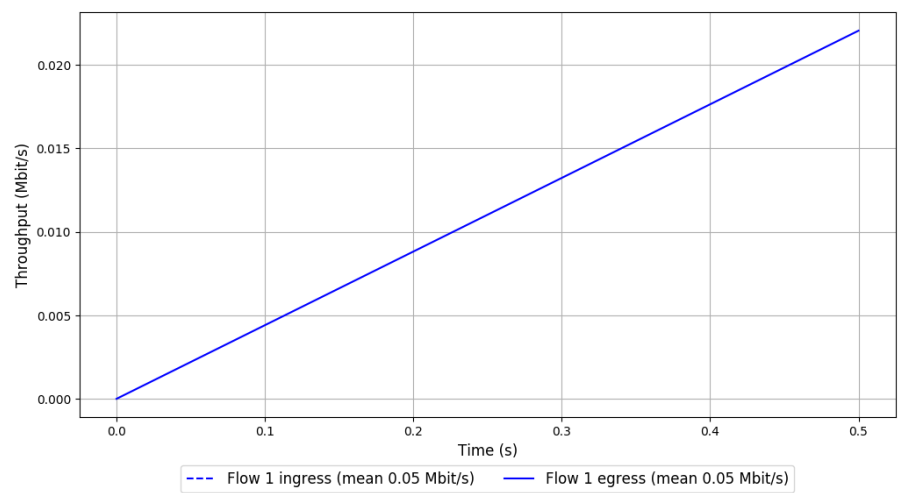
Start at: 2018-06-05 05:55:55

End at: 2018-06-05 05:56:25

Local clock offset: 1.345 ms

Remote clock offset: 2.214 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 06:16:29

End at: 2018-06-05 06:16:59

Local clock offset: 0.15 ms

Remote clock offset: 0.871 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.16 Mbit/s

95th percentile per-packet one-way delay: 112.650 ms

Loss rate: 0.00%

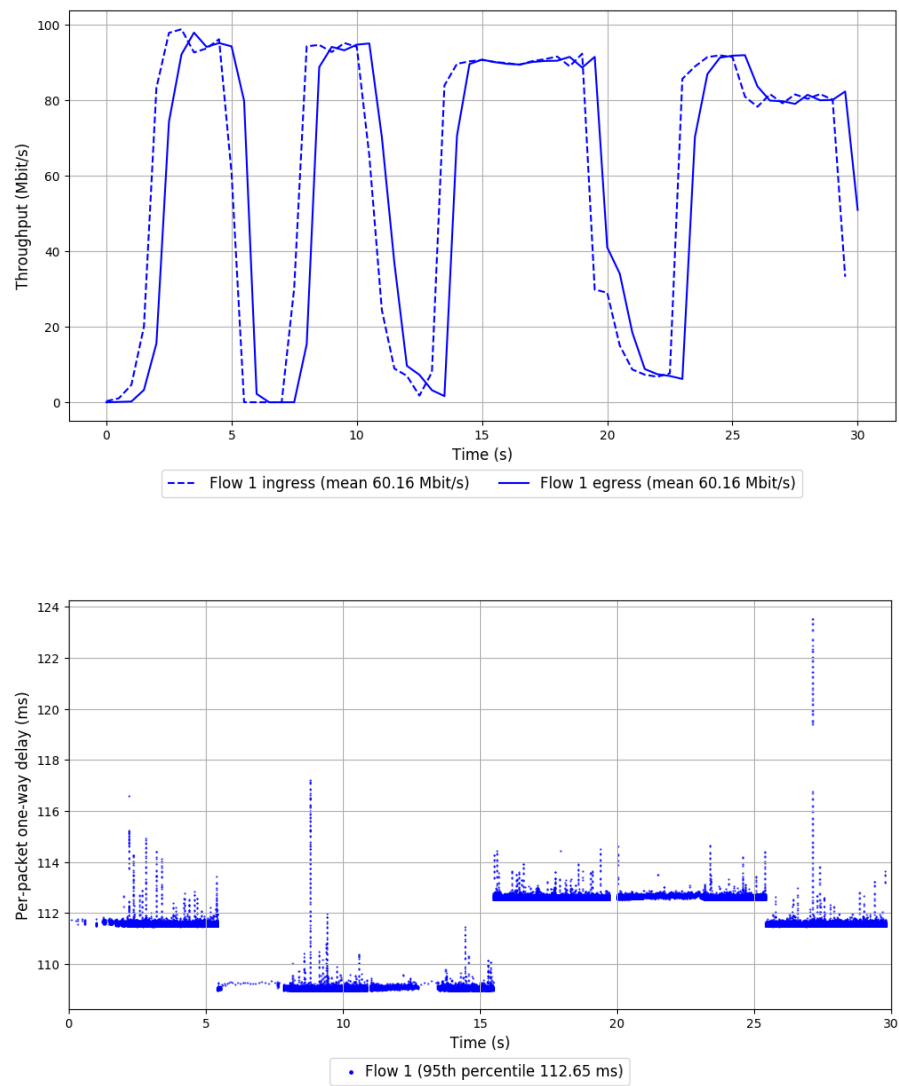
-- Flow 1:

Average throughput: 60.16 Mbit/s

95th percentile per-packet one-way delay: 112.650 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-06-05 03:14:44

End at: 2018-06-05 03:15:14

Local clock offset: 5.105 ms

Remote clock offset: 7.698 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.877 ms

Loss rate: 0.00%

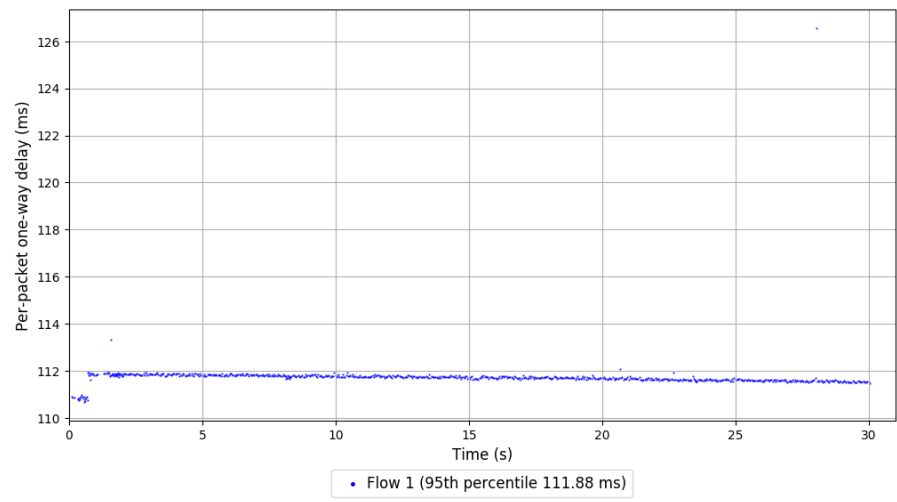
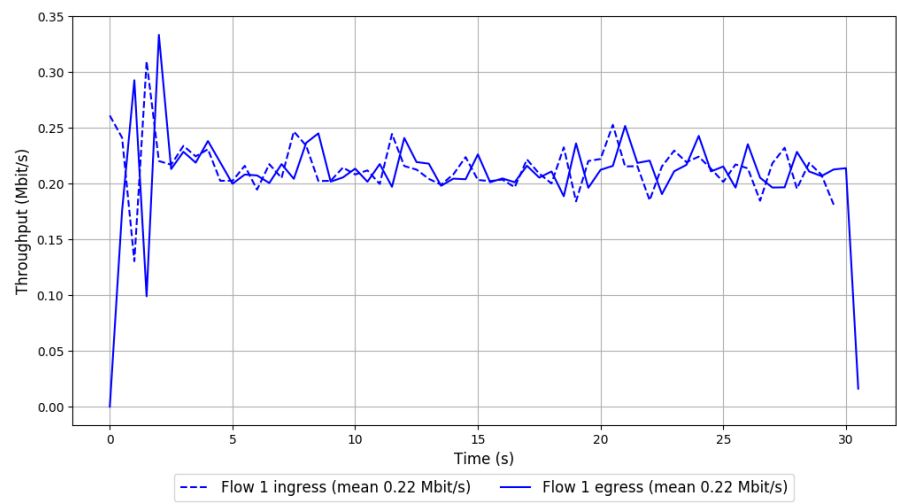
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.877 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

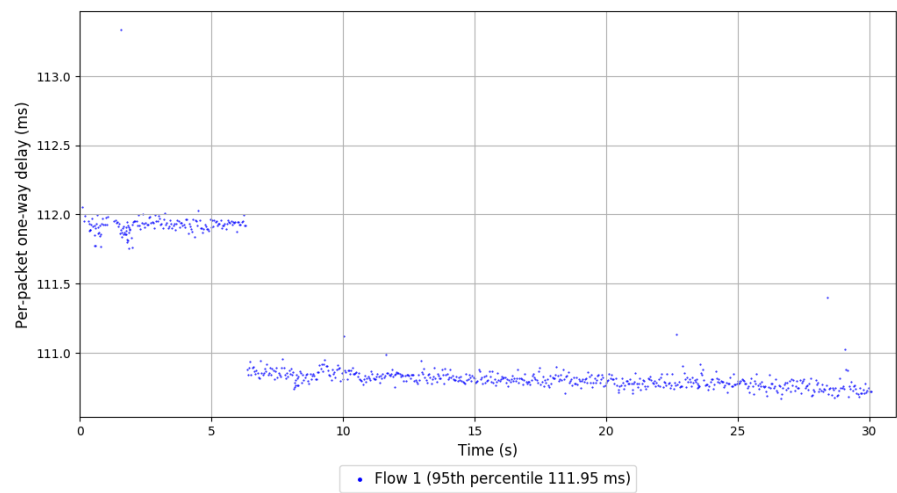
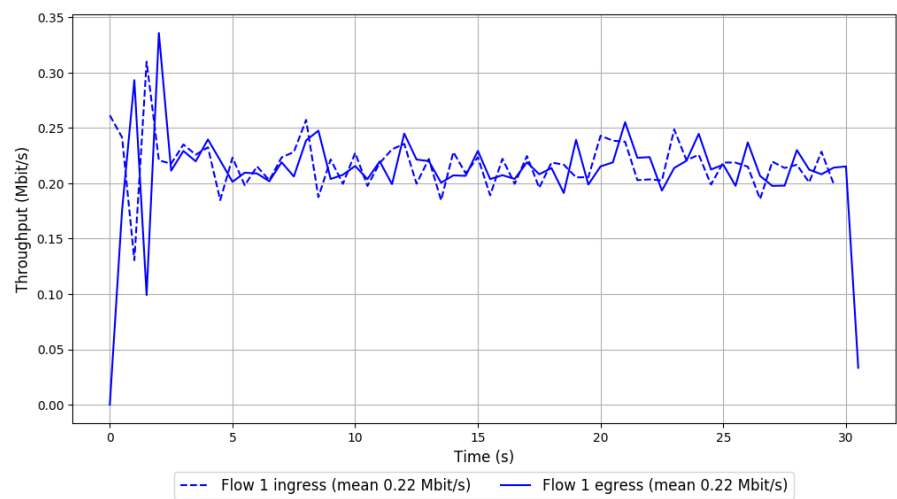


Run 2: Statistics of SCReAM

Start at: 2018-06-05 03:35:08
End at: 2018-06-05 03:35:38
Local clock offset: 13.654 ms
Remote clock offset: 18.523 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.953 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-05 03:56:02

End at: 2018-06-05 03:56:32

Local clock offset: 17.045 ms

Remote clock offset: 23.19 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.100 ms

Loss rate: 0.00%

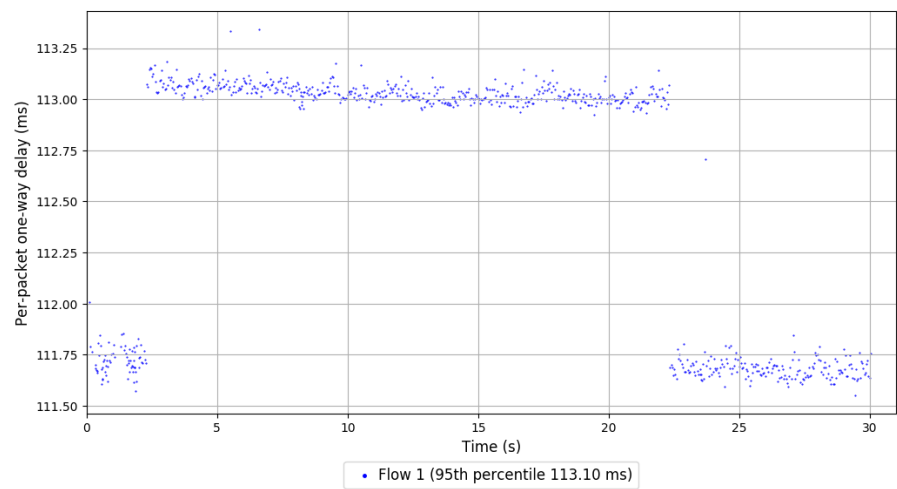
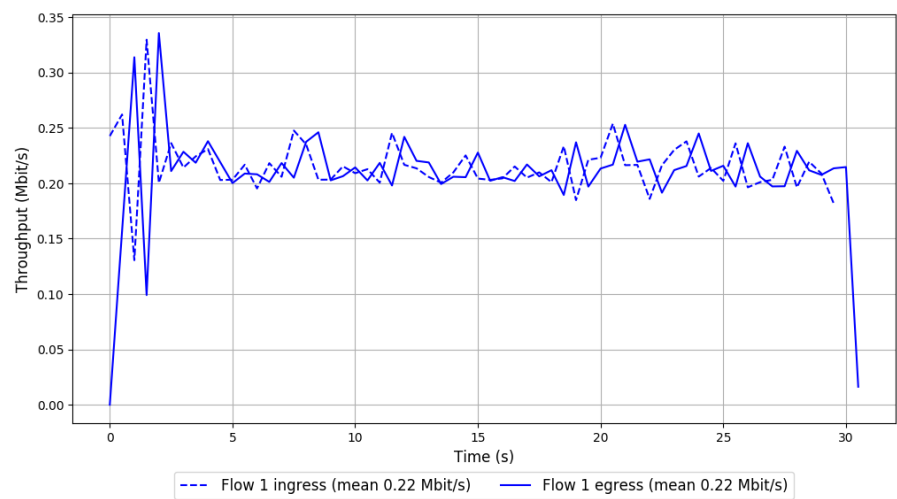
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.100 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

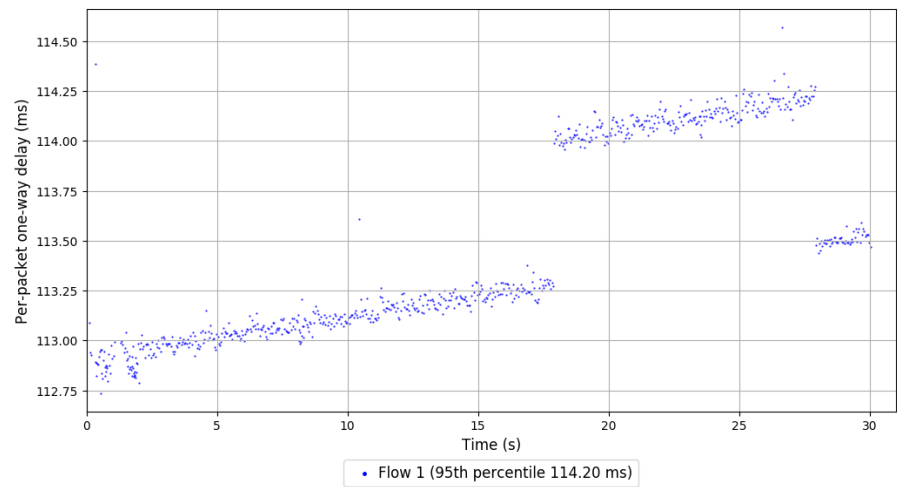
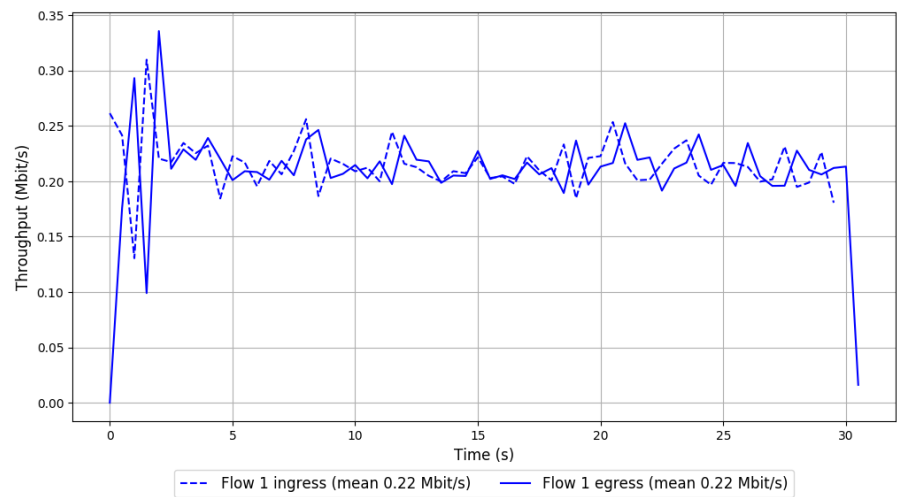


Run 4: Statistics of SCReAM

Start at: 2018-06-05 04:16:37
End at: 2018-06-05 04:17:07
Local clock offset: 32.458 ms
Remote clock offset: 43.237 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.200 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

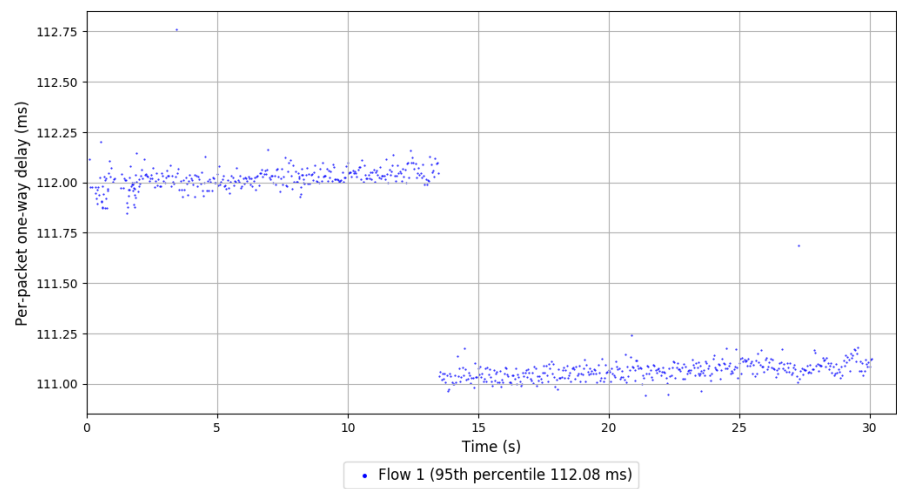
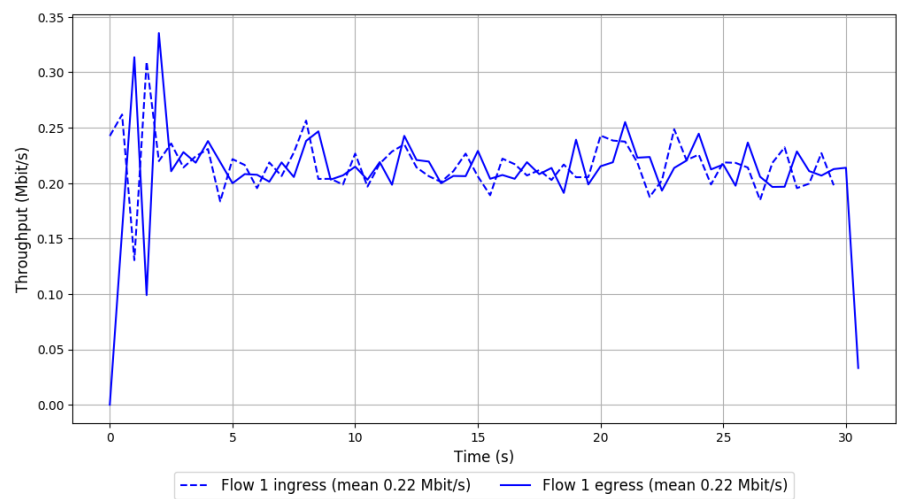


Run 5: Statistics of SCReAM

Start at: 2018-06-05 04:37:11
End at: 2018-06-05 04:37:41
Local clock offset: 12.487 ms
Remote clock offset: 10.132 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.076 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-05 04:57:42

End at: 2018-06-05 04:58:12

Local clock offset: 15.536 ms

Remote clock offset: 5.902 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.267 ms

Loss rate: 0.00%

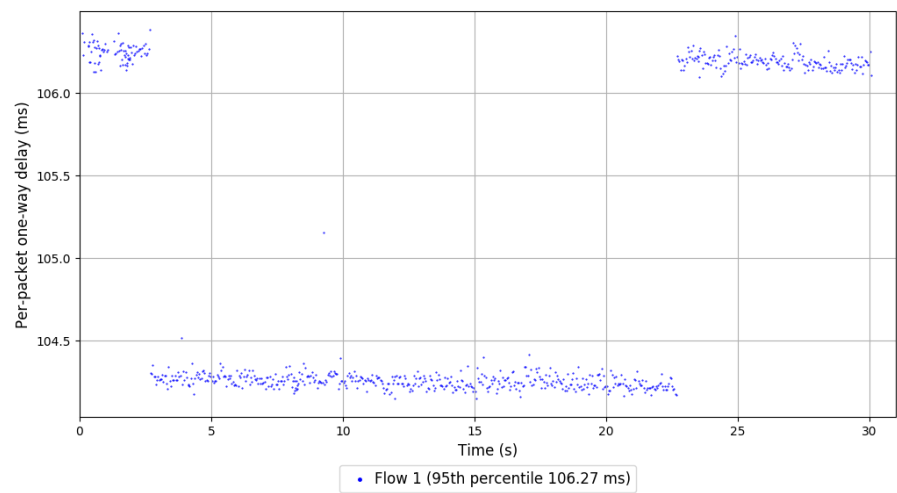
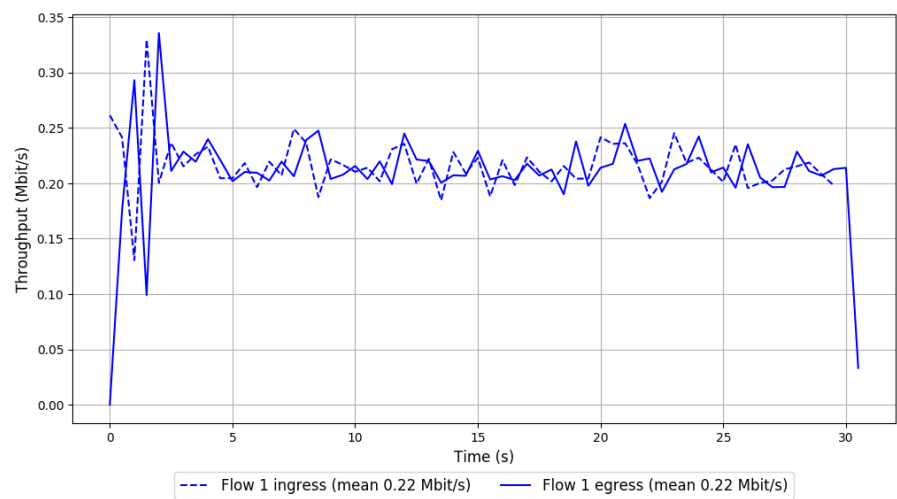
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 106.267 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-05 05:18:31

End at: 2018-06-05 05:19:01

Local clock offset: 6.744 ms

Remote clock offset: 3.944 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.679 ms

Loss rate: 0.00%

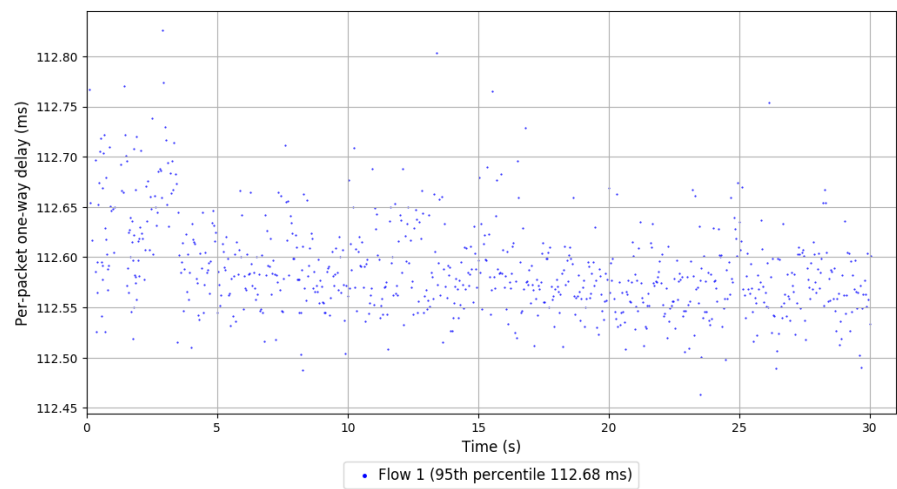
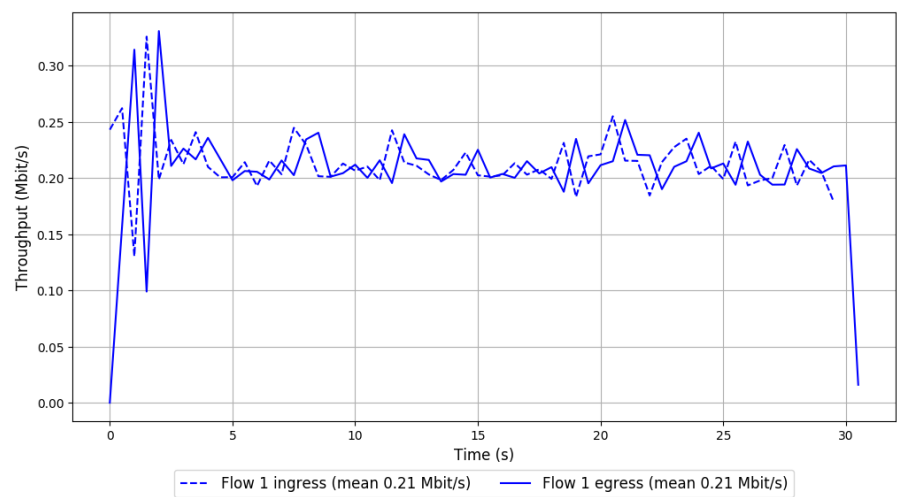
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.679 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-05 05:38:51

End at: 2018-06-05 05:39:21

Local clock offset: 2.224 ms

Remote clock offset: 2.239 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.205 ms

Loss rate: 0.00%

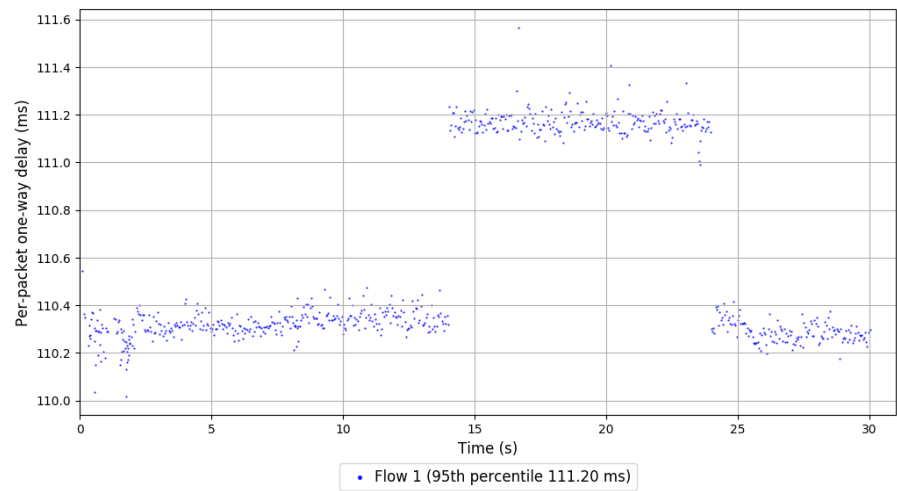
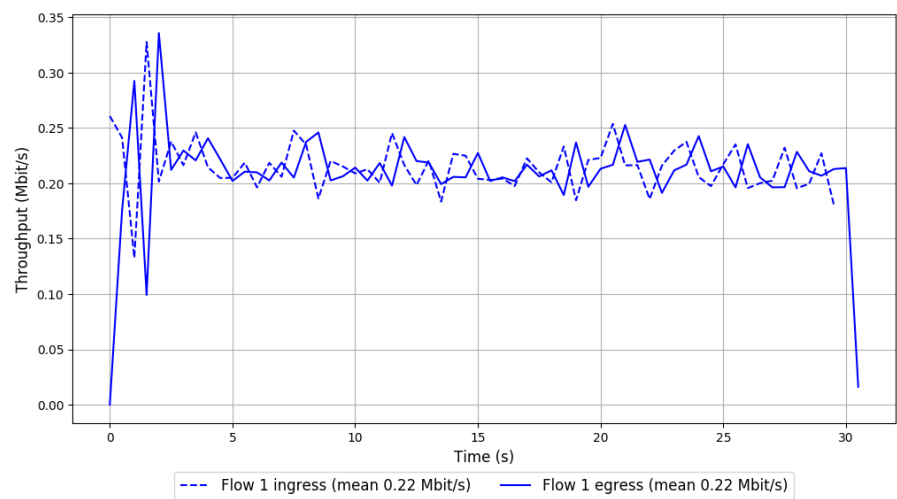
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.205 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-05 05:59:22

End at: 2018-06-05 05:59:52

Local clock offset: 1.898 ms

Remote clock offset: 2.613 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.112 ms

Loss rate: 0.00%

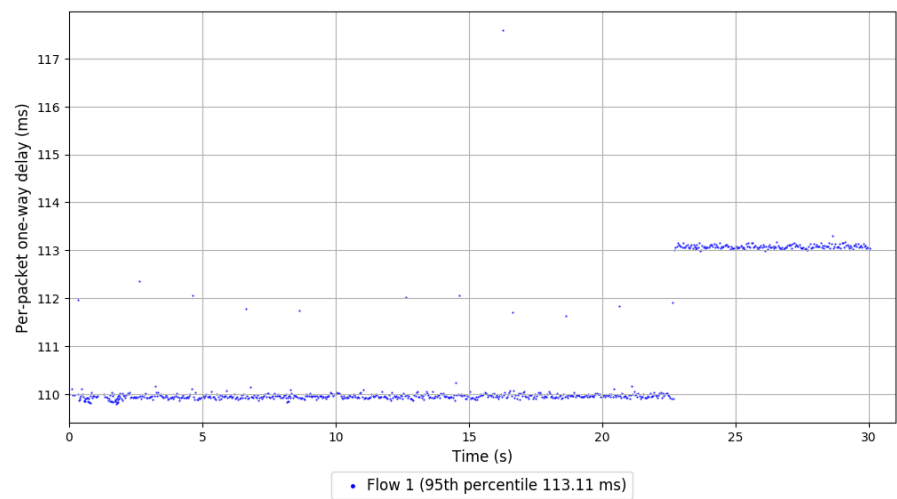
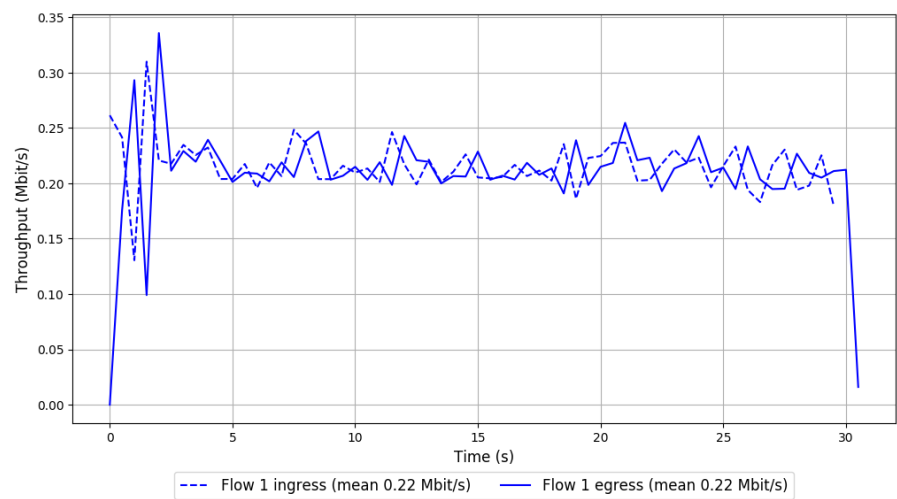
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.112 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-05 06:20:01

End at: 2018-06-05 06:20:31

Local clock offset: 0.089 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 113.482 ms

Loss rate: 0.00%

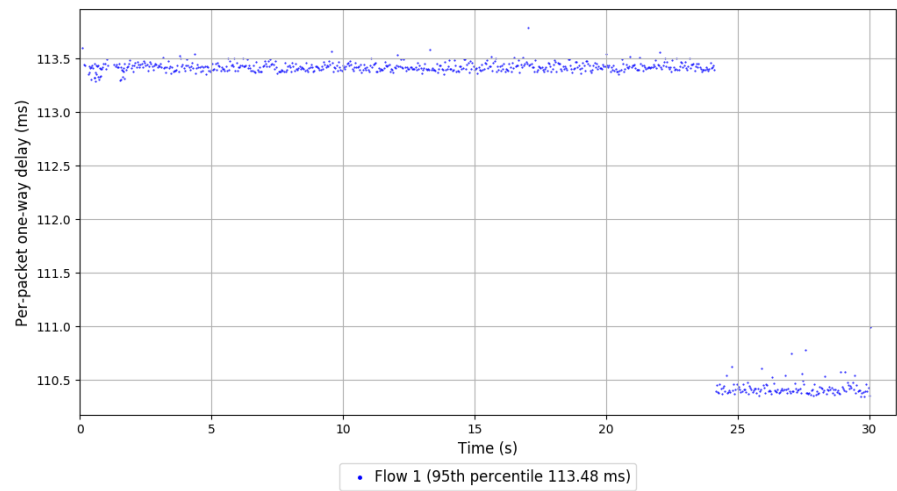
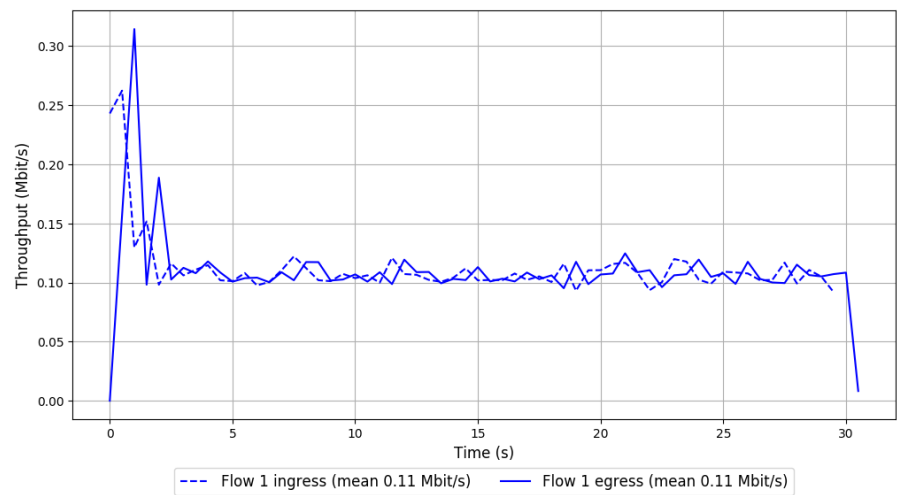
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 113.482 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

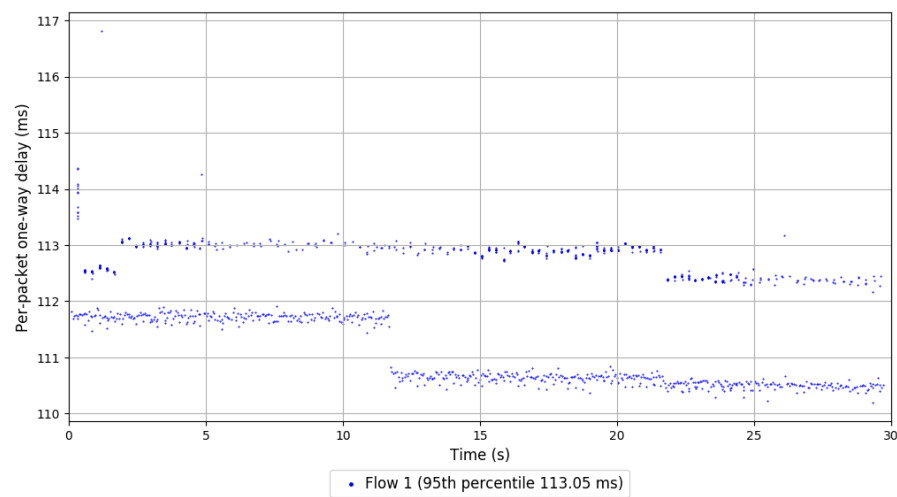
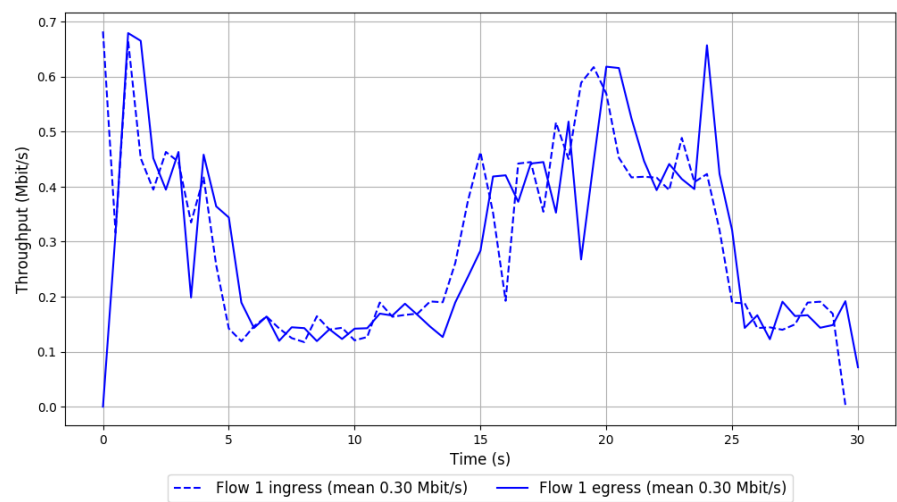


Run 1: Statistics of Sprout

Start at: 2018-06-05 03:20:33
End at: 2018-06-05 03:21:03
Local clock offset: 7.696 ms
Remote clock offset: 10.744 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 113.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 113.047 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

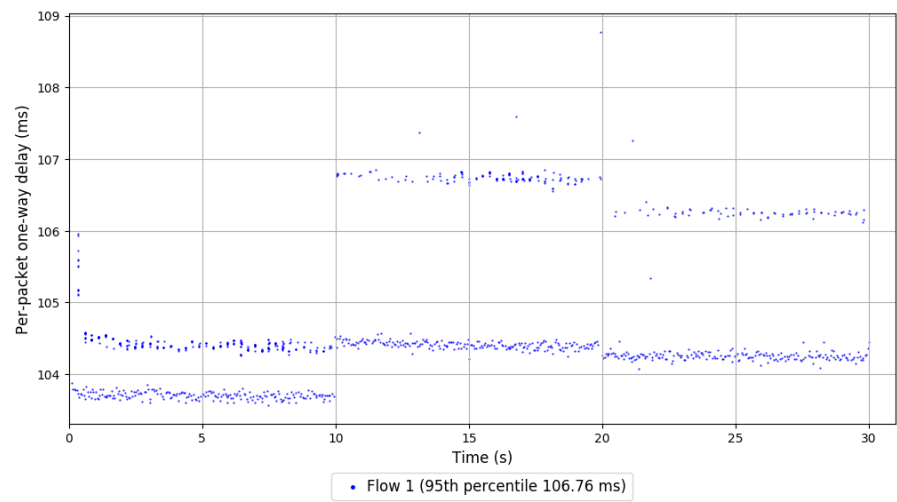
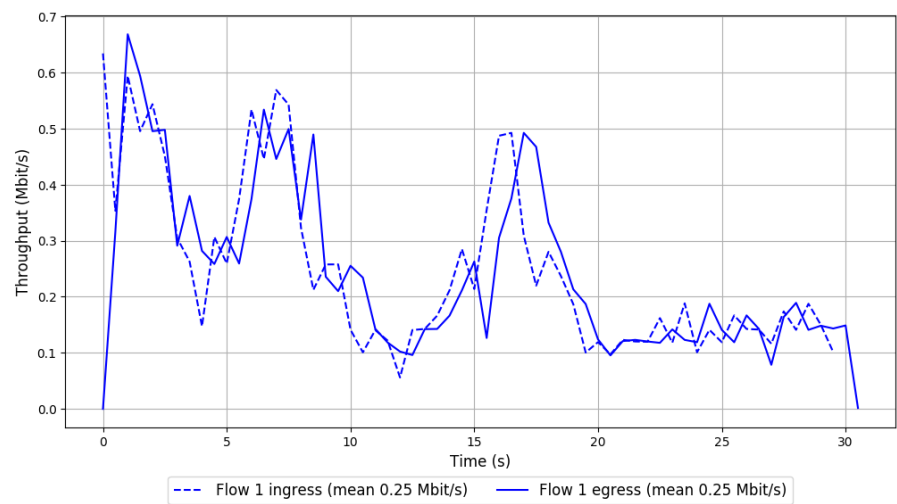


Run 2: Statistics of Sprout

Start at: 2018-06-05 03:40:55
End at: 2018-06-05 03:41:25
Local clock offset: 26.348 ms
Remote clock offset: 27.104 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 106.761 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 106.761 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

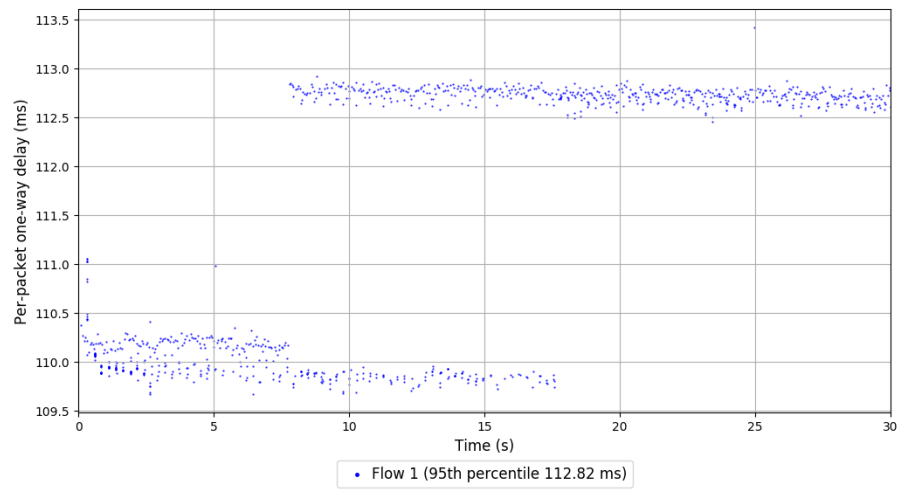
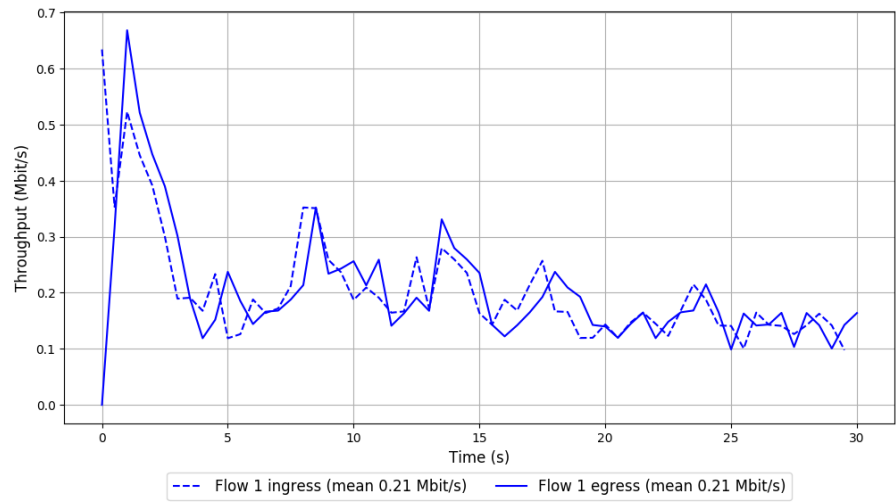


Run 3: Statistics of Sprout

Start at: 2018-06-05 04:01:47
End at: 2018-06-05 04:02:17
Local clock offset: 20.317 ms
Remote clock offset: 27.568 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.821 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

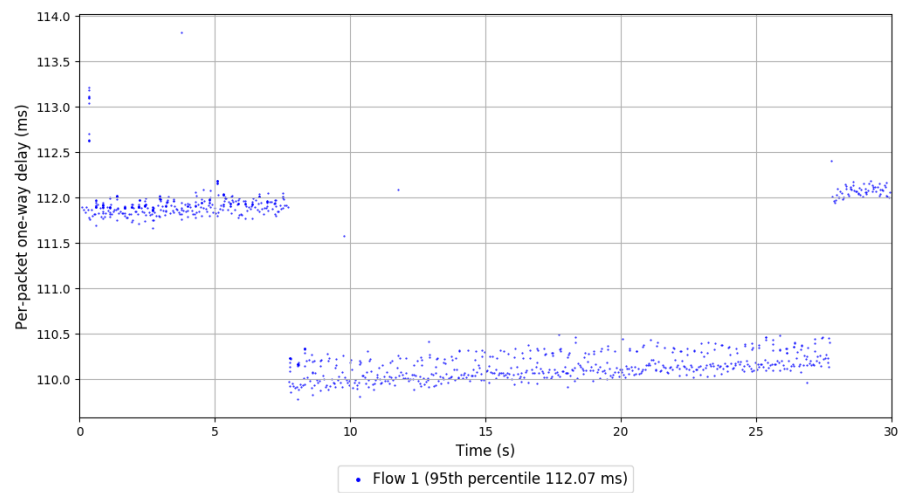
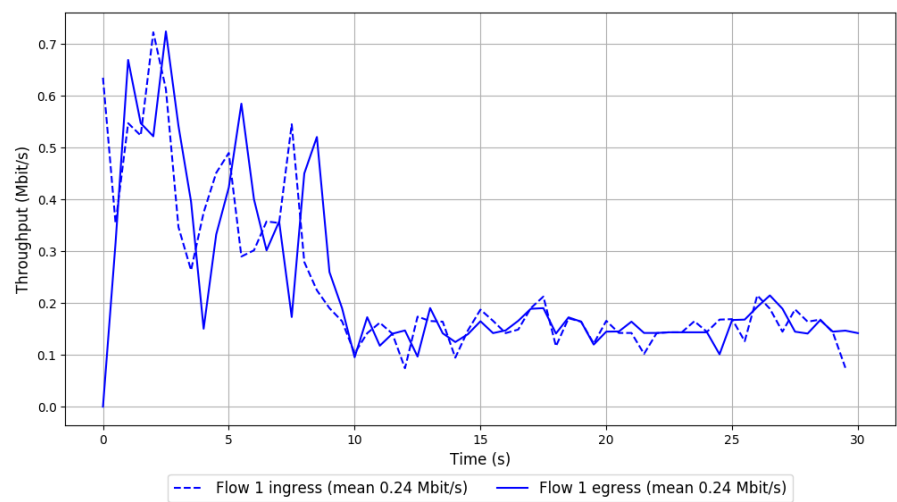


Run 4: Statistics of Sprout

Start at: 2018-06-05 04:22:27
End at: 2018-06-05 04:22:57
Local clock offset: 19.85 ms
Remote clock offset: 23.017 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.074 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-05 04:43:00

End at: 2018-06-05 04:43:30

Local clock offset: 13.507 ms

Remote clock offset: 9.95 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 113.103 ms

Loss rate: 0.00%

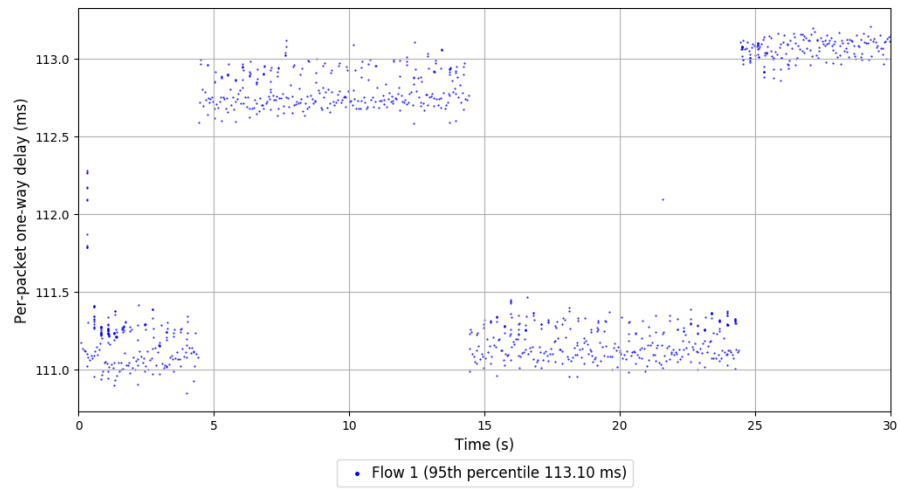
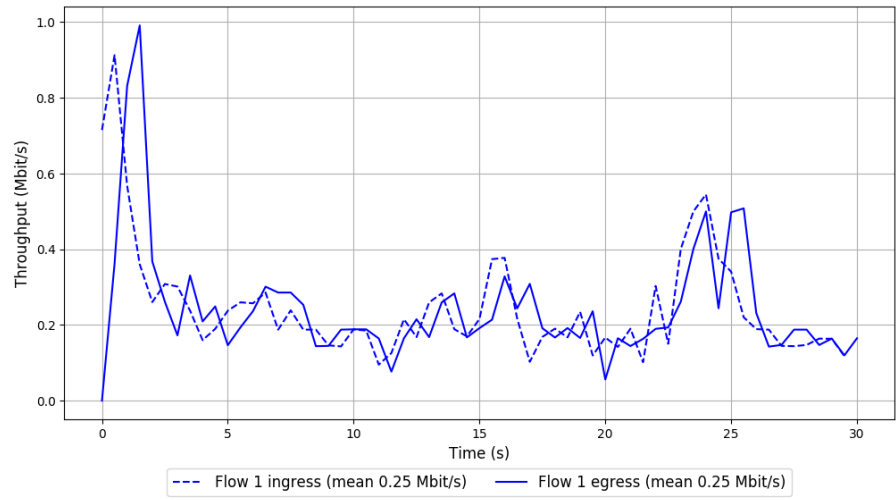
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 113.103 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-05 05:03:33

End at: 2018-06-05 05:04:03

Local clock offset: 6.553 ms

Remote clock offset: 4.246 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 111.732 ms

Loss rate: 0.00%

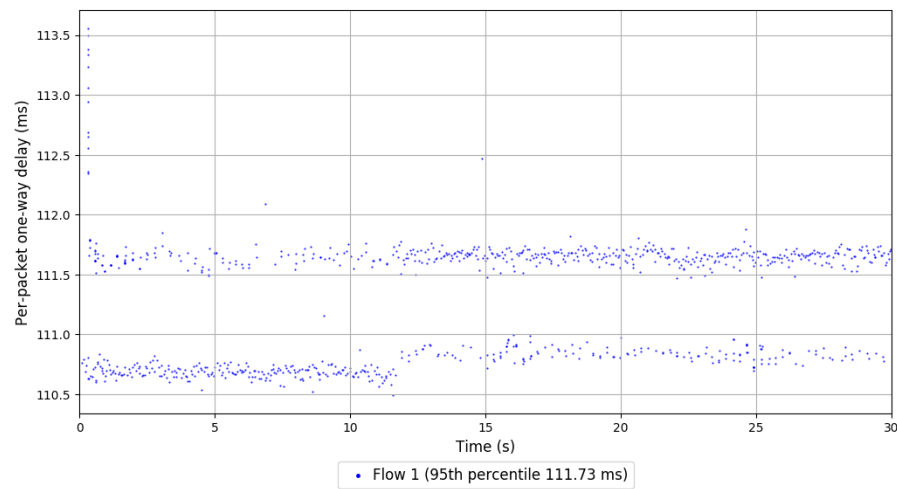
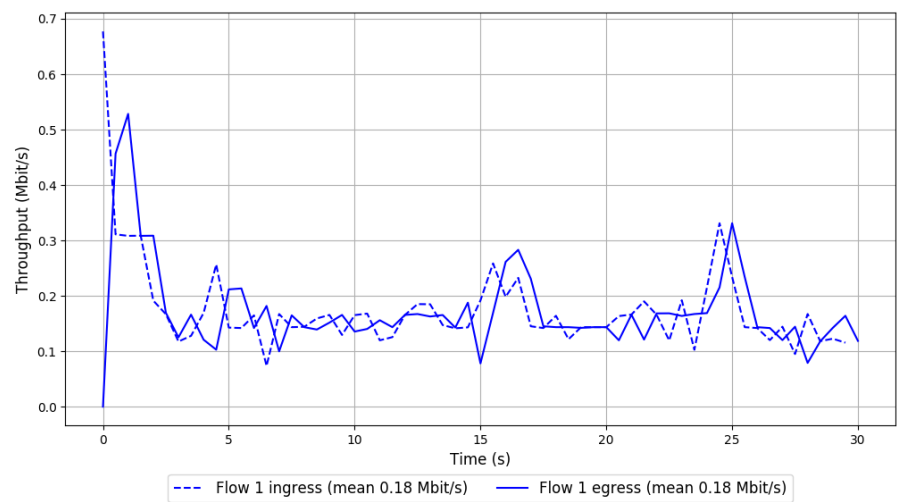
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 111.732 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-05 05:24:12

End at: 2018-06-05 05:24:42

Local clock offset: 7.599 ms

Remote clock offset: 4.927 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.882 ms

Loss rate: 0.00%

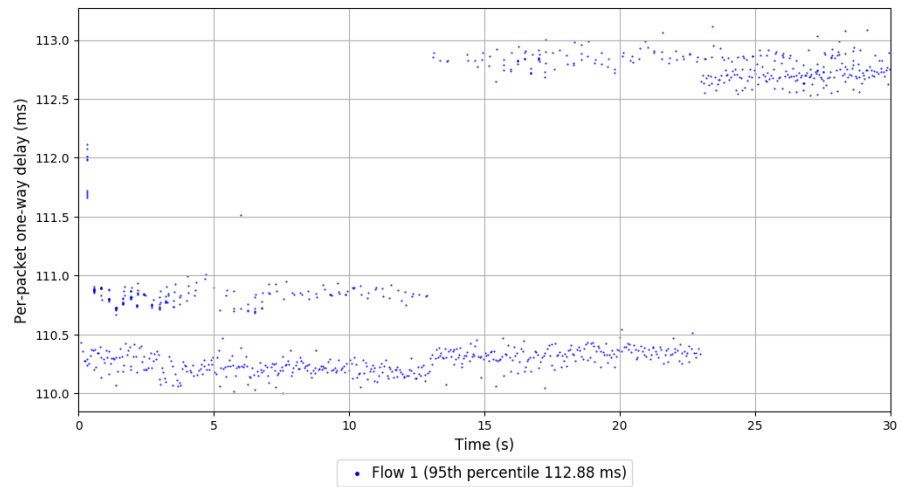
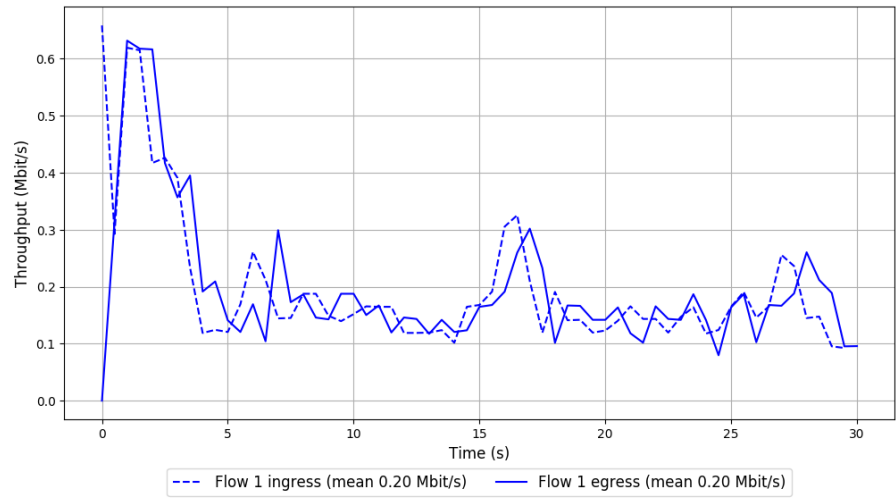
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 112.882 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-05 05:44:34

End at: 2018-06-05 05:45:04

Local clock offset: 1.57 ms

Remote clock offset: 1.751 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.747 ms

Loss rate: 0.00%

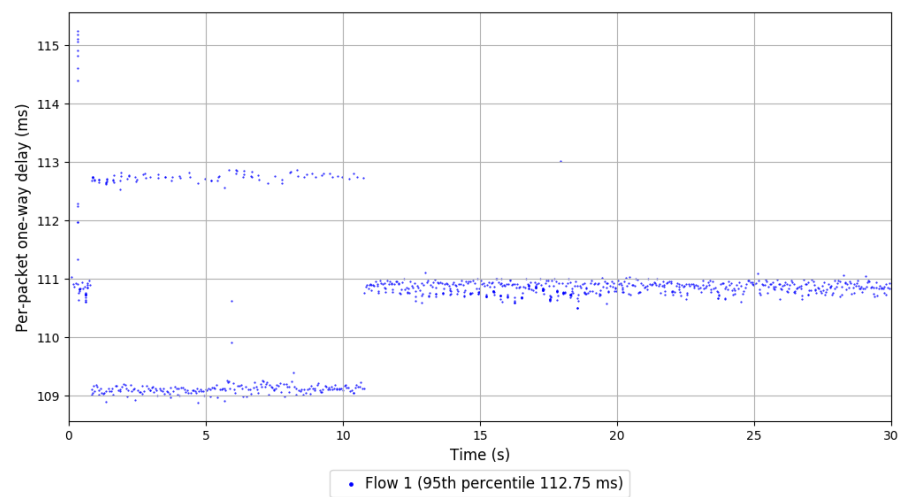
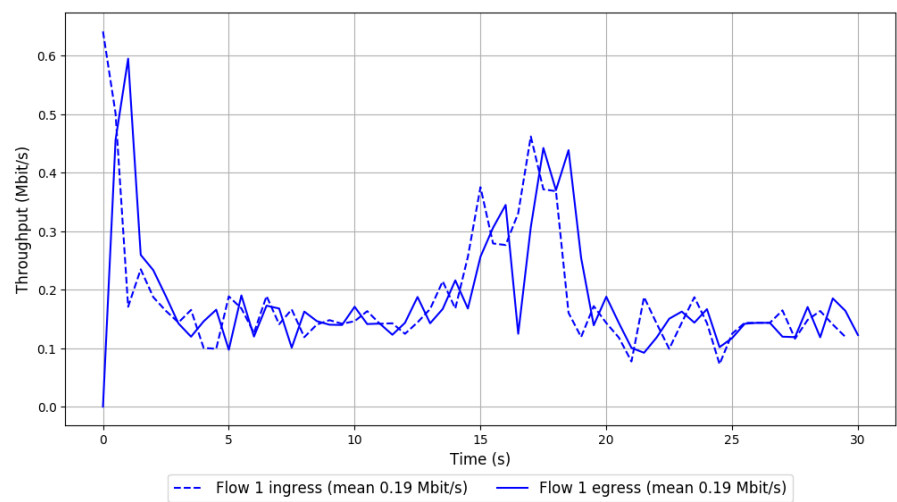
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 112.747 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-05 06:05:05

End at: 2018-06-05 06:05:35

Local clock offset: 0.801 ms

Remote clock offset: 0.934 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 0.00%

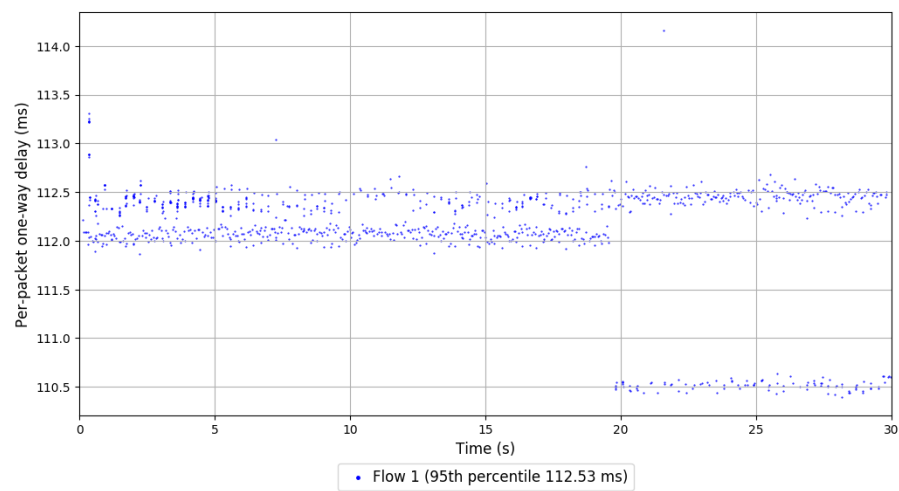
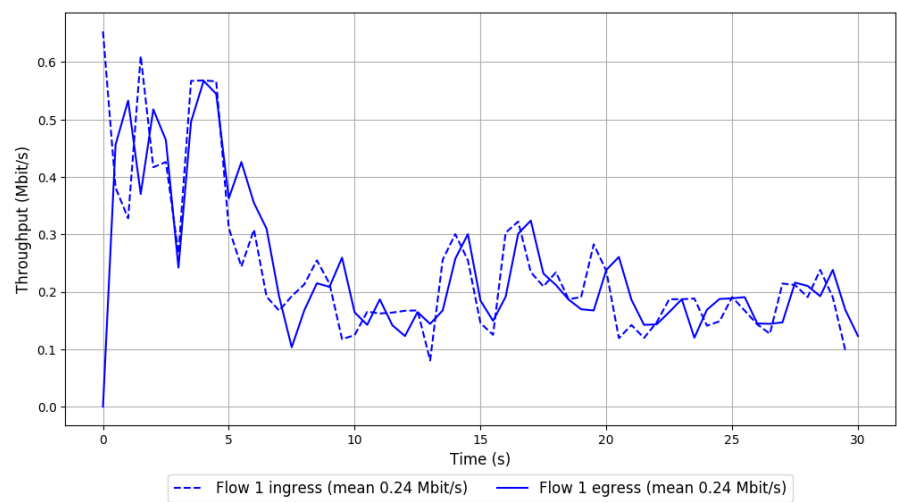
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 112.535 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-05 06:25:51

End at: 2018-06-05 06:26:21

Local clock offset: 0.259 ms

Remote clock offset: 0.954 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 113.048 ms

Loss rate: 0.00%

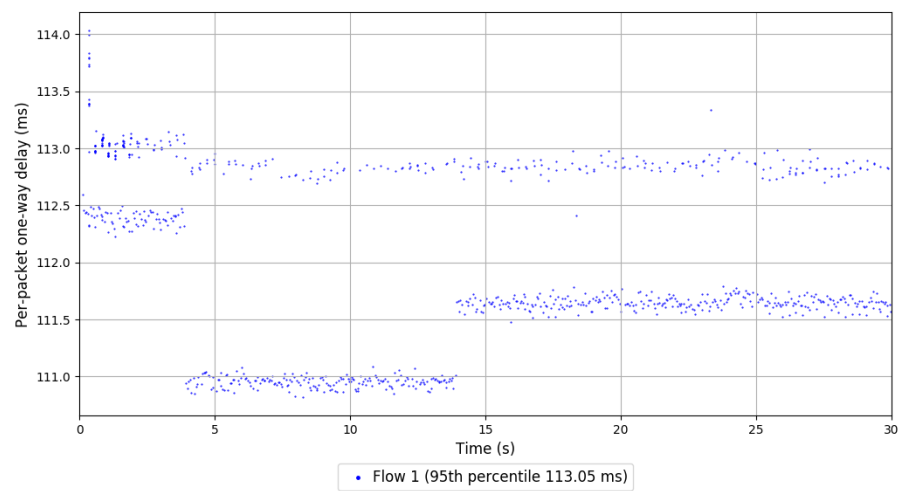
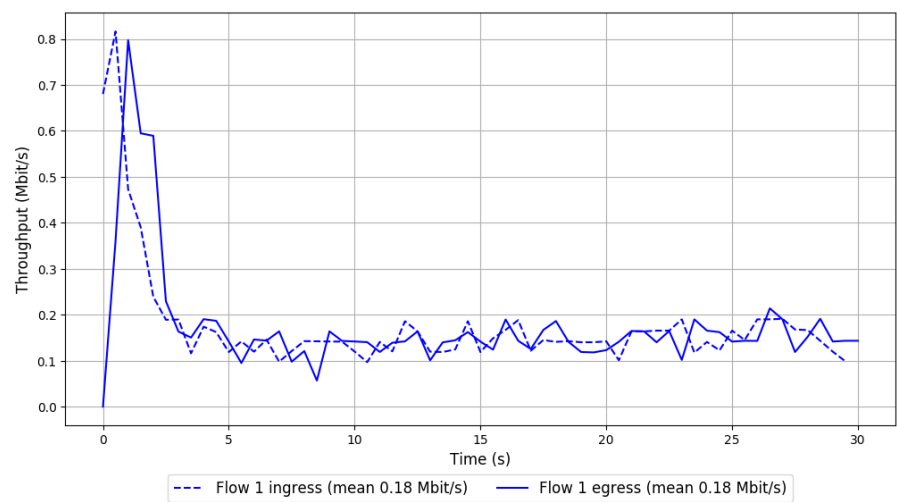
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 113.048 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 03:21:40

End at: 2018-06-05 03:22:10

Local clock offset: 8.805 ms

Remote clock offset: 12.767 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 114.687 ms

Loss rate: 0.00%

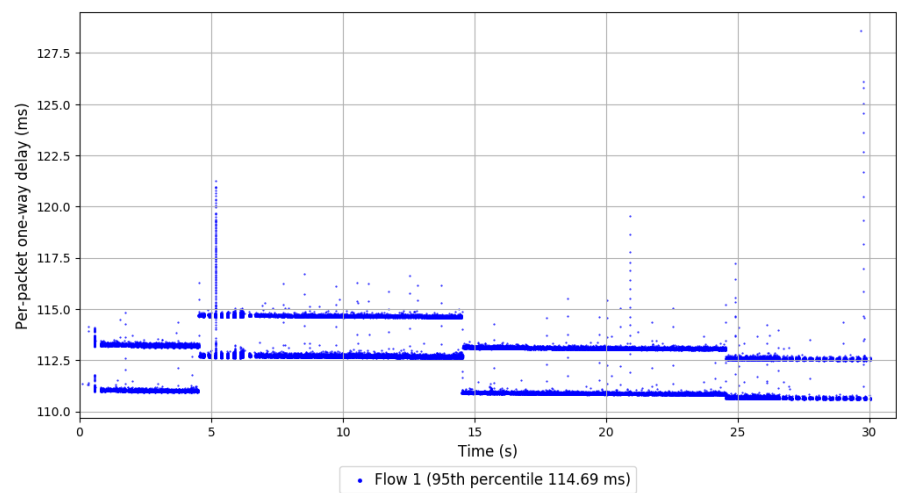
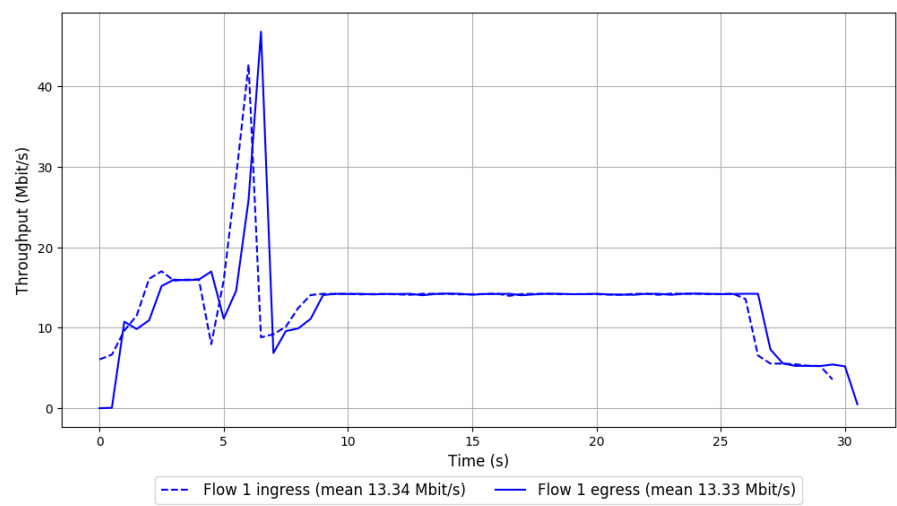
-- Flow 1:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 114.687 ms

Loss rate: 0.00%

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

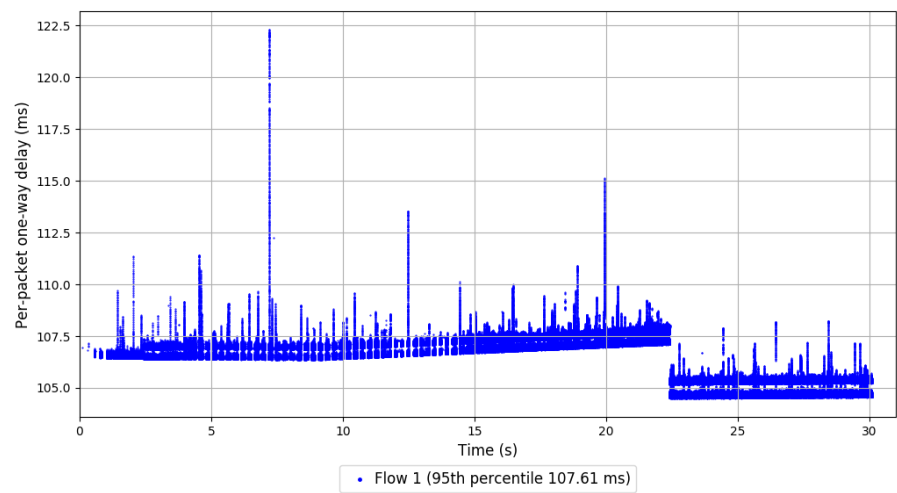
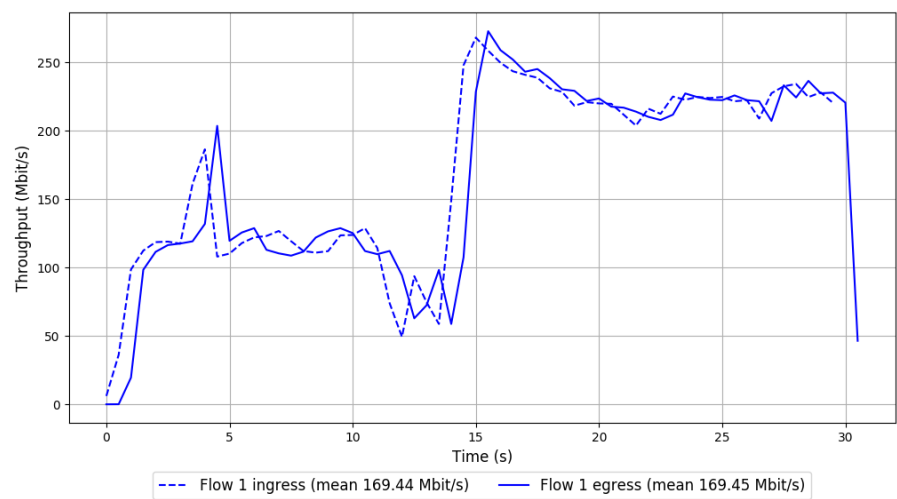


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 03:42:02
End at: 2018-06-05 03:42:32
Local clock offset: 27.517 ms
Remote clock offset: 29.025 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.45 Mbit/s
95th percentile per-packet one-way delay: 107.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.45 Mbit/s
95th percentile per-packet one-way delay: 107.615 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 04:02:55

End at: 2018-06-05 04:03:25

Local clock offset: 21.09 ms

Remote clock offset: 28.674 ms

Below is generated by plot.py at 2018-06-05 07:46:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.90 Mbit/s

95th percentile per-packet one-way delay: 114.572 ms

Loss rate: 0.00%

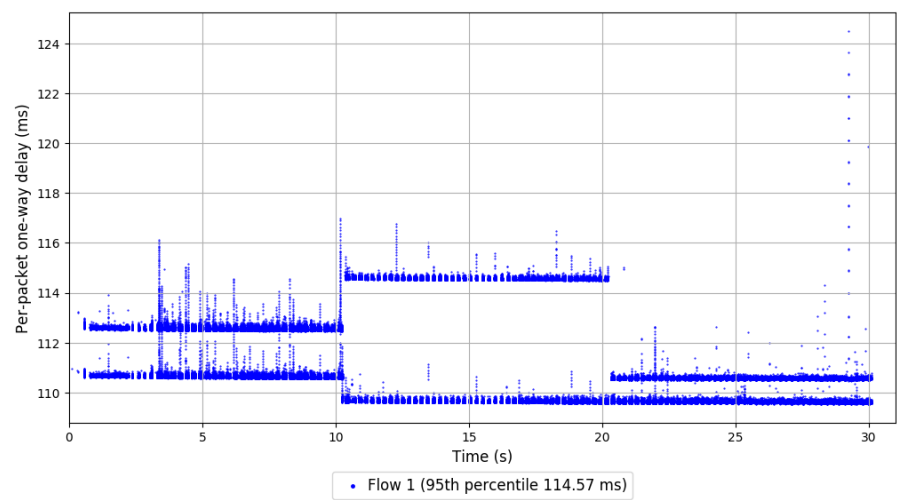
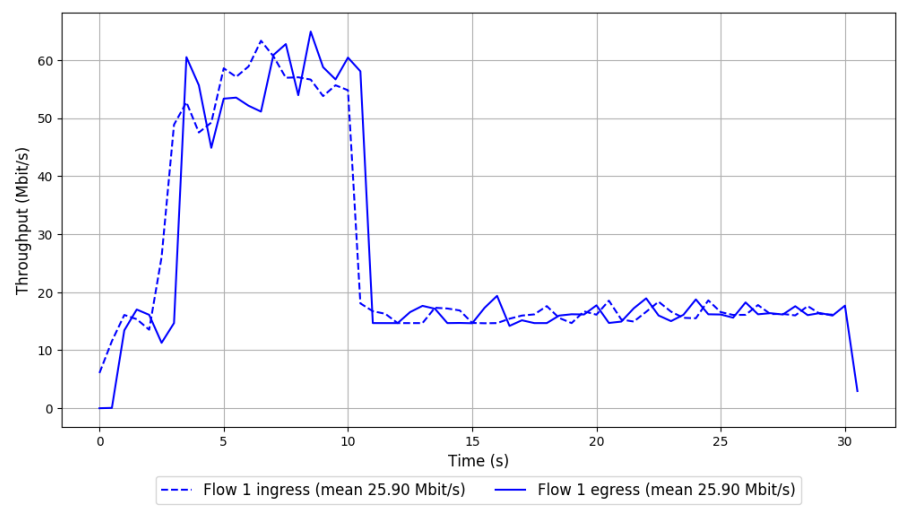
-- Flow 1:

Average throughput: 25.90 Mbit/s

95th percentile per-packet one-way delay: 114.572 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

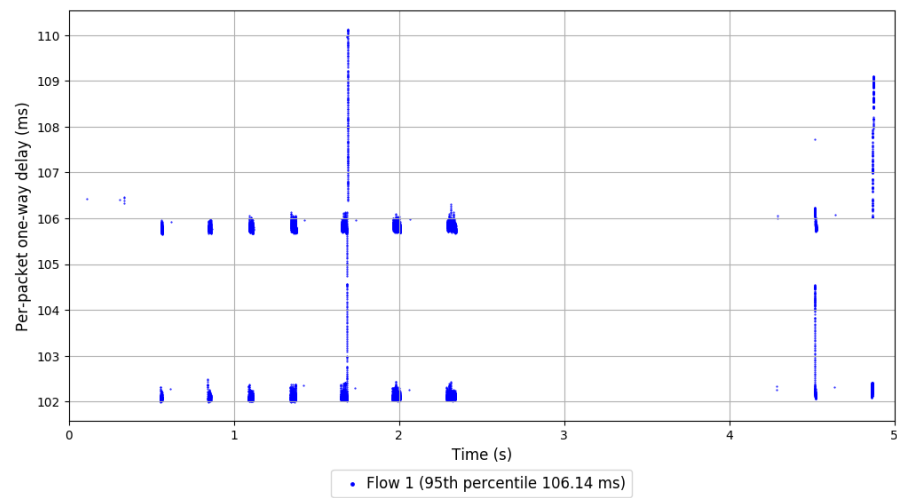
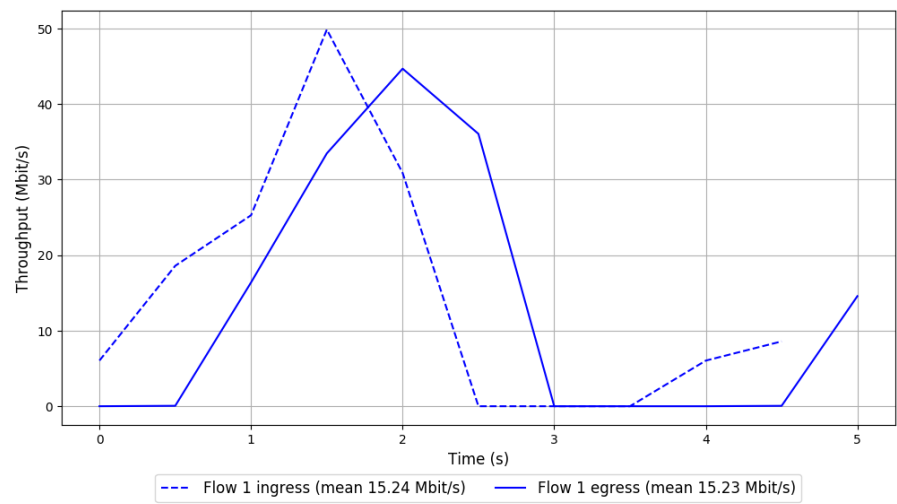
Start at: 2018-06-05 04:23:34

End at: 2018-06-05 04:24:04

Local clock offset: 24.796 ms

Remote clock offset: 21.367 ms

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

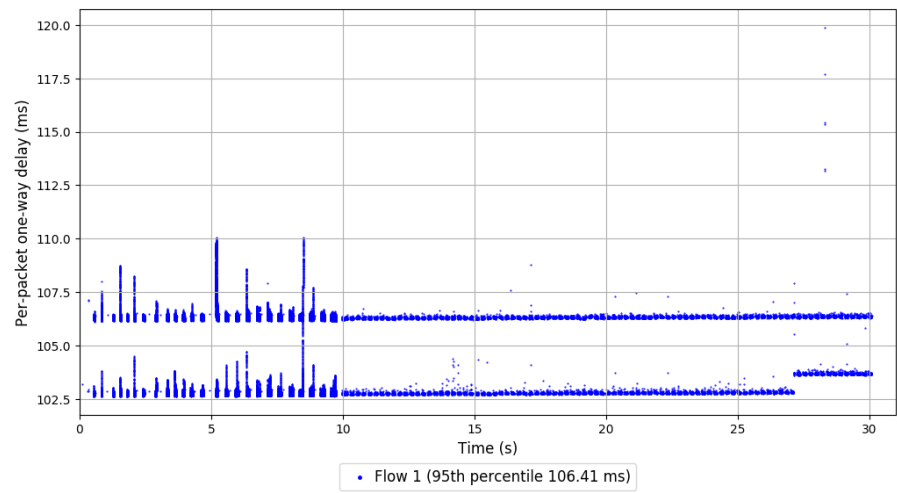
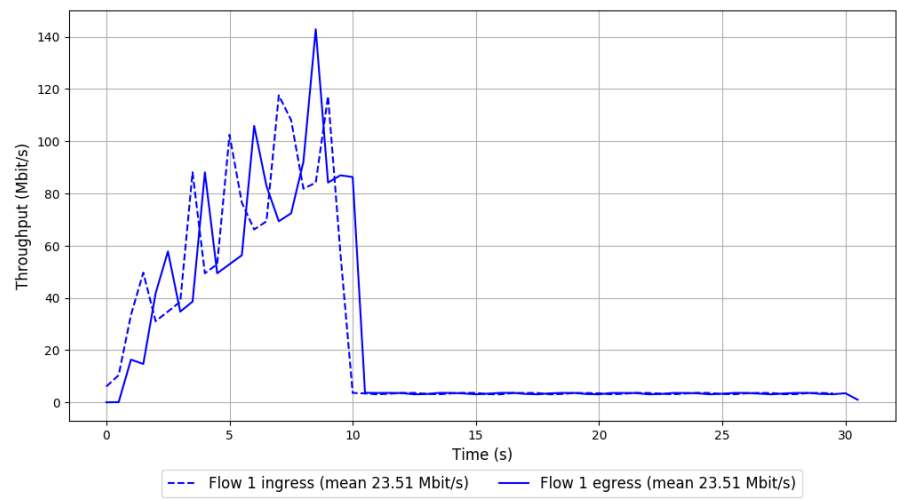


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 04:44:08
End at: 2018-06-05 04:44:38
Local clock offset: 20.751 ms
Remote clock offset: 10.446 ms

Below is generated by plot.py at 2018-06-05 07:46:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 106.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 106.405 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 05:04:40

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

Local clock offset: 6.367 ms

Remote clock offset: 4.115 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.67 Mbit/s

95th percentile per-packet one-way delay: 112.881 ms

Loss rate: 0.00%

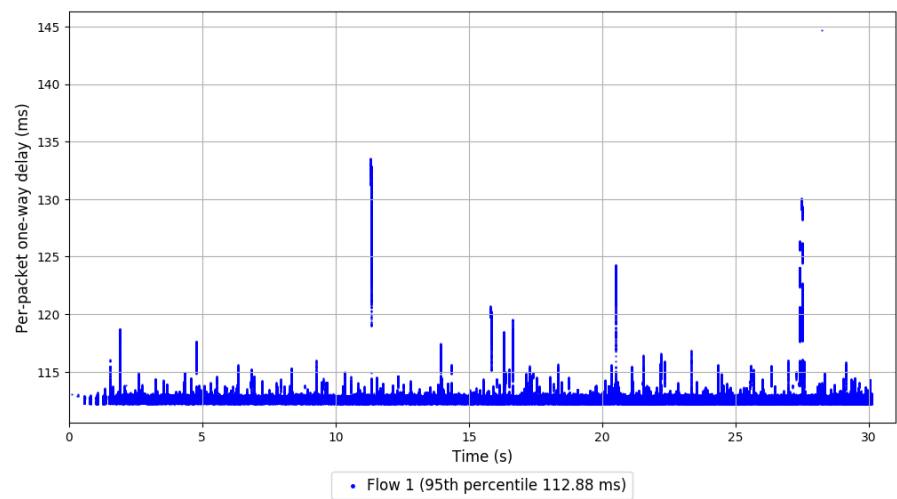
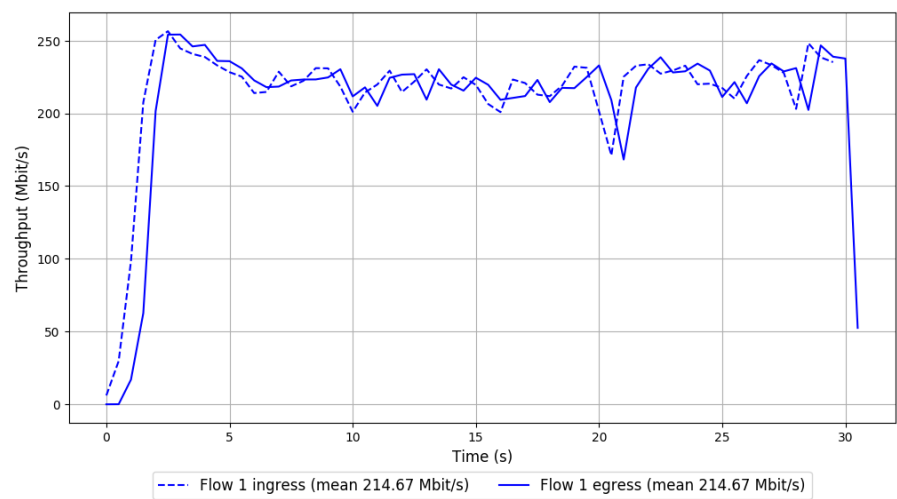
-- Flow 1:

Average throughput: 214.67 Mbit/s

95th percentile per-packet one-way delay: 112.881 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 05:25:19

End at: 2018-06-05 05:25:49

Local clock offset: 7.963 ms

Remote clock offset: 4.744 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.95 Mbit/s

95th percentile per-packet one-way delay: 112.285 ms

Loss rate: 0.00%

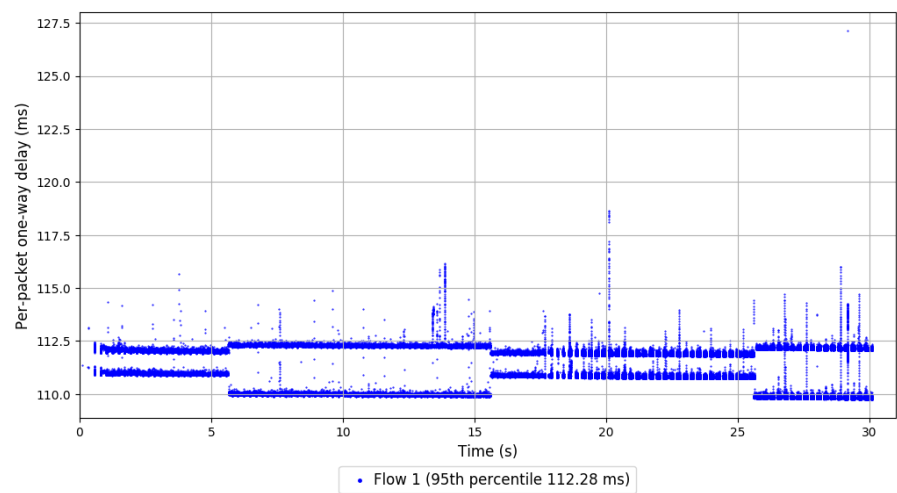
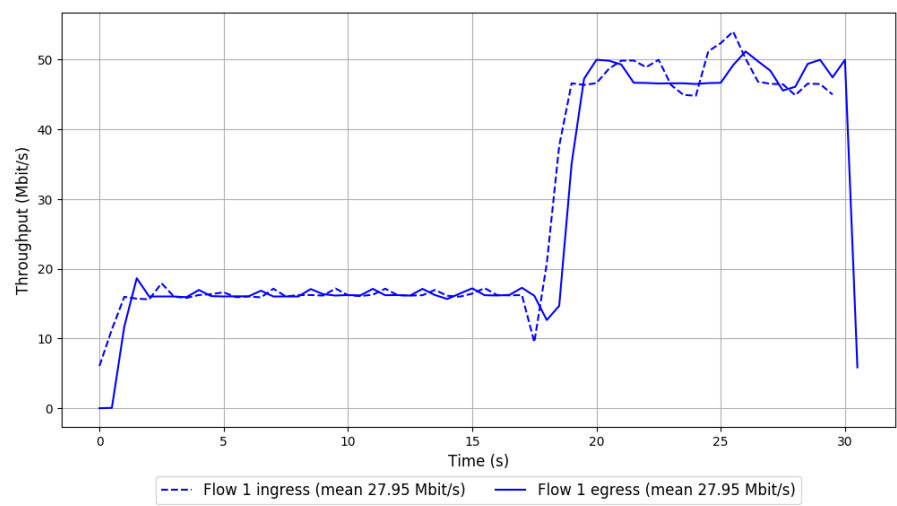
-- Flow 1:

Average throughput: 27.95 Mbit/s

95th percentile per-packet one-way delay: 112.285 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 05:45:42

End at: 2018-06-05 05:46:12

Local clock offset: 1.725 ms

Remote clock offset: 1.776 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 112.455 ms

Loss rate: 0.00%

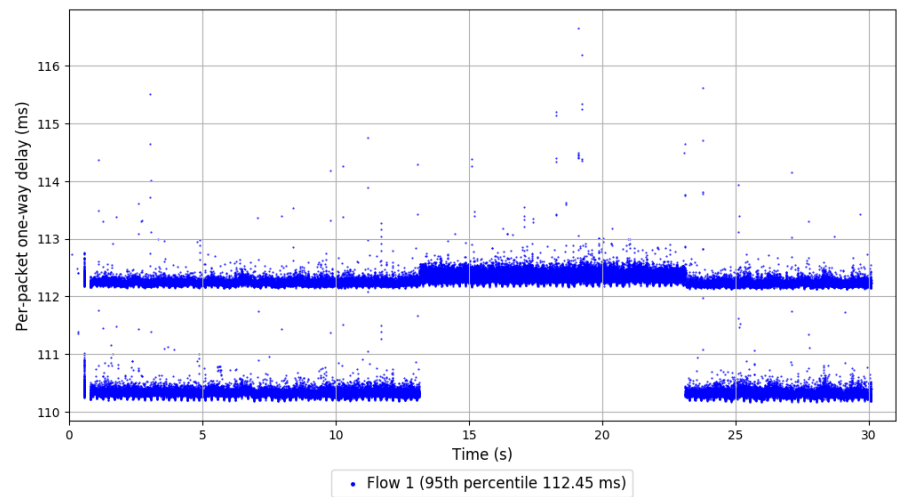
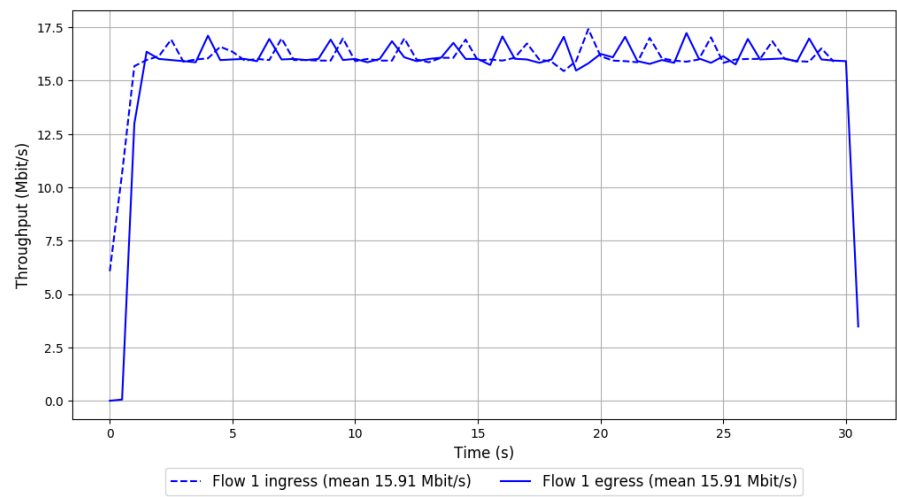
-- Flow 1:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 112.455 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 06:06:13

End at: 2018-06-05 06:06:43

Local clock offset: 0.997 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.13 Mbit/s

95th percentile per-packet one-way delay: 112.435 ms

Loss rate: 0.00%

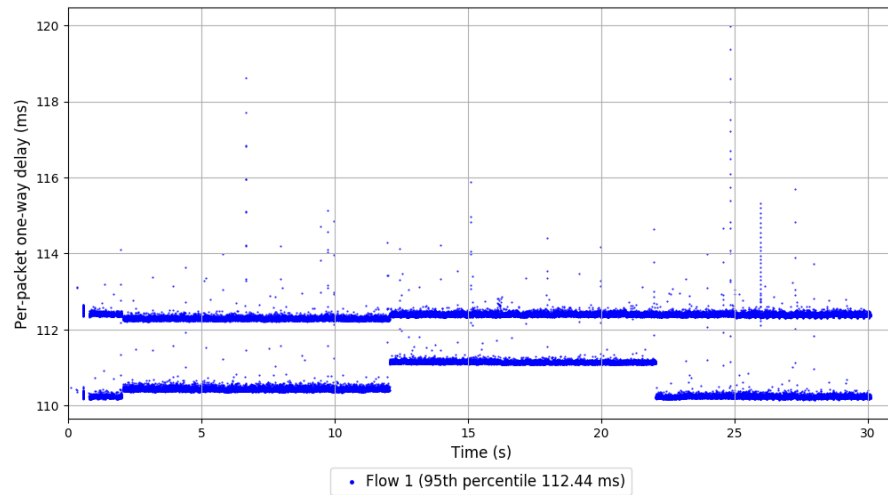
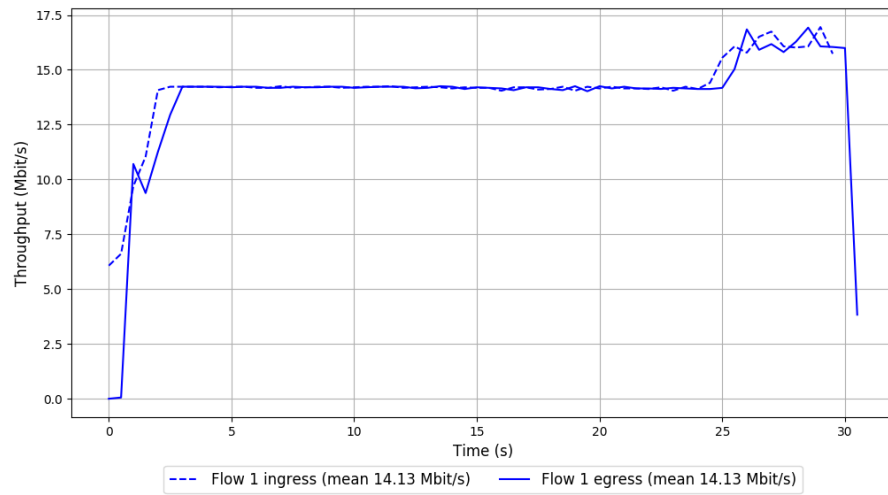
-- Flow 1:

Average throughput: 14.13 Mbit/s

95th percentile per-packet one-way delay: 112.435 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 06:26:58

End at: 2018-06-05 06:27:28

Local clock offset: 0.613 ms

Remote clock offset: 1.361 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.83 Mbit/s

95th percentile per-packet one-way delay: 113.032 ms

Loss rate: 0.01%

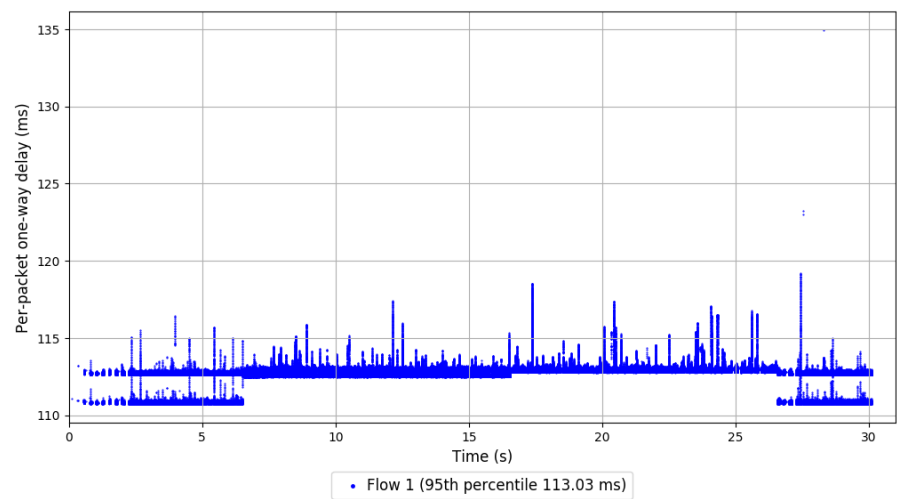
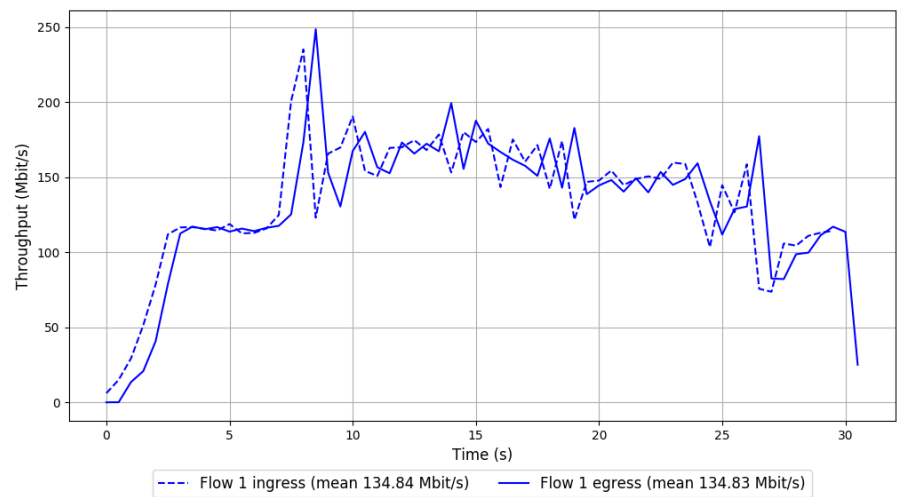
-- Flow 1:

Average throughput: 134.83 Mbit/s

95th percentile per-packet one-way delay: 113.032 ms

Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 03:26:26

End at: 2018-06-05 03:26:56

Local clock offset: 13.56 ms

Remote clock offset: 16.915 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 115.257 ms

Loss rate: 0.00%

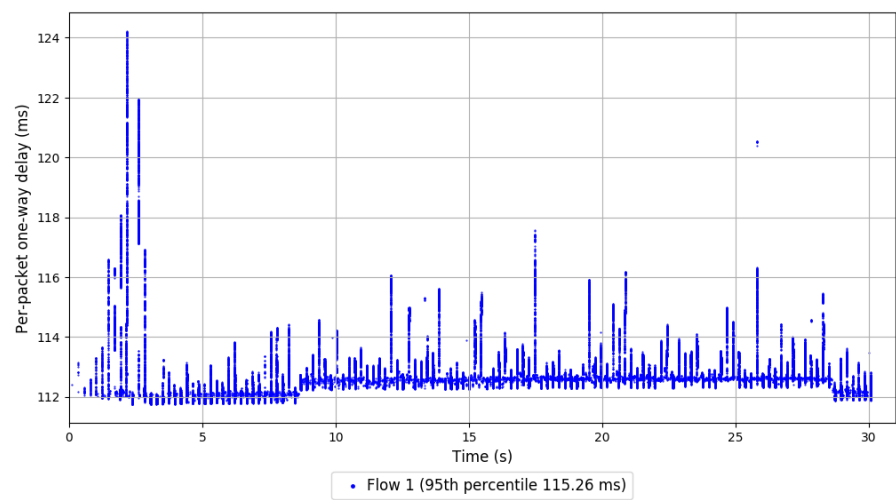
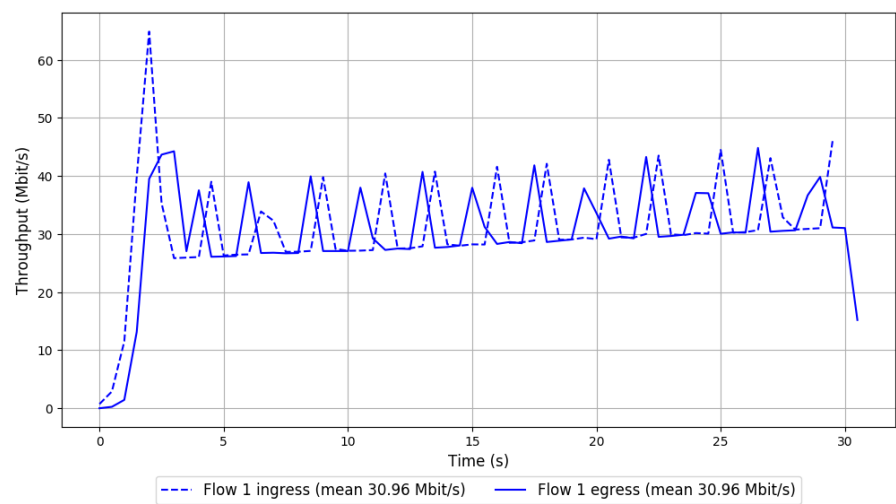
-- Flow 1:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 115.257 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

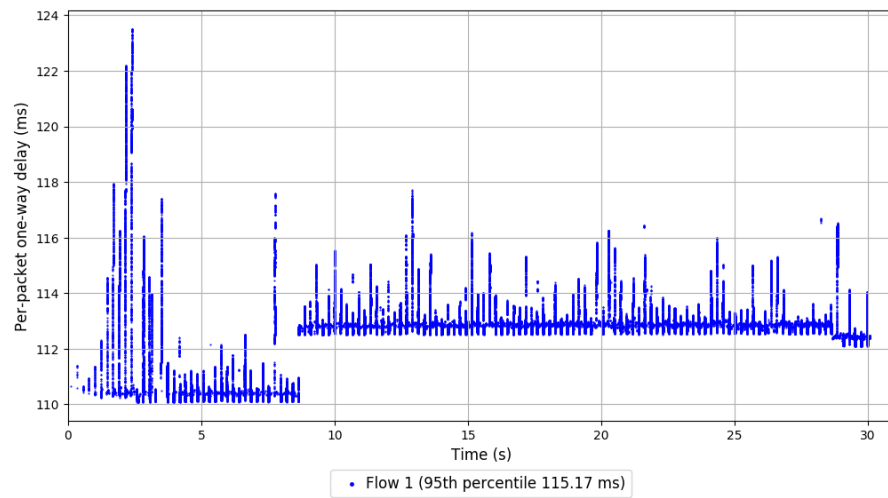
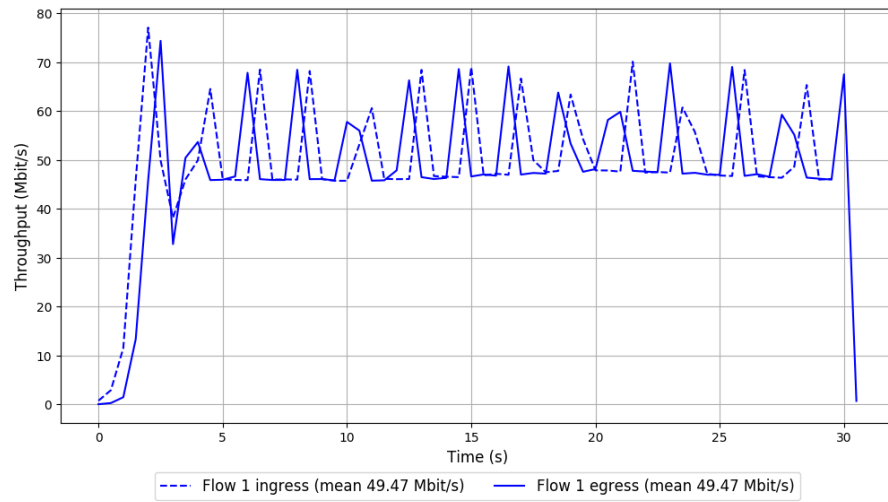


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 03:47:06
End at: 2018-06-05 03:47:36
Local clock offset: 17.545 ms
Remote clock offset: 22.804 ms

Below is generated by plot.py at 2018-06-05 07:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 115.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 115.173 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

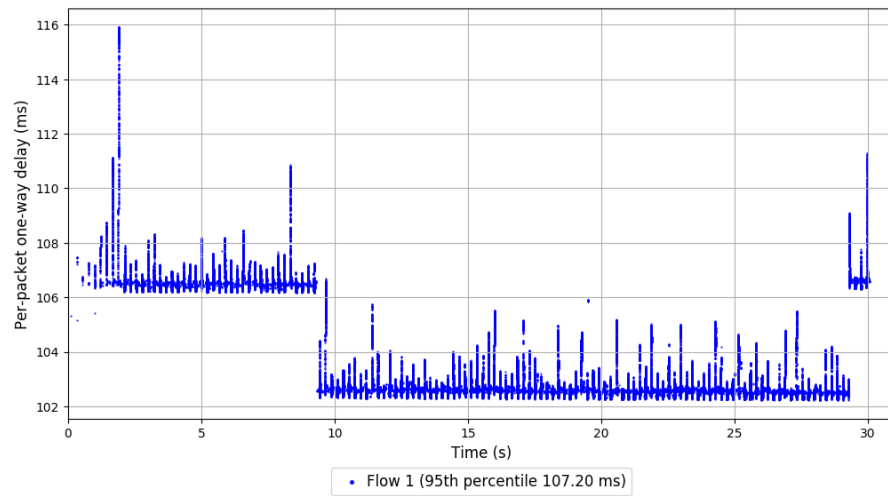
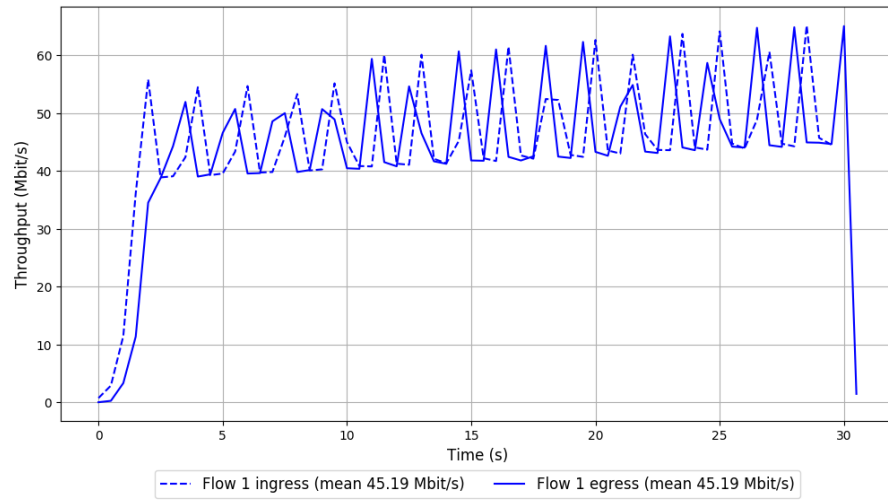


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 04:07:45
End at: 2018-06-05 04:08:15
Local clock offset: 31.352 ms
Remote clock offset: 33.669 ms

Below is generated by plot.py at 2018-06-05 07:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 107.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 107.204 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 04:28:22

End at: 2018-06-05 04:28:52

Local clock offset: 20.476 ms

Remote clock offset: 14.59 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 108.047 ms

Loss rate: 0.00%

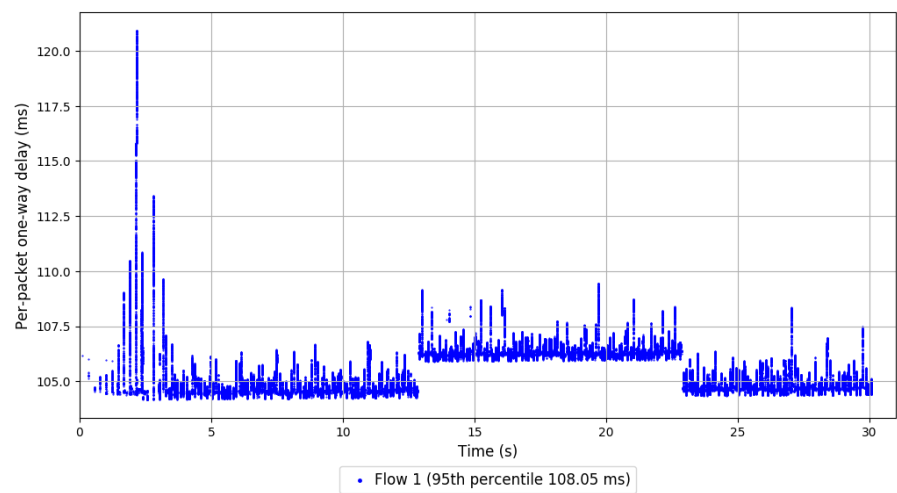
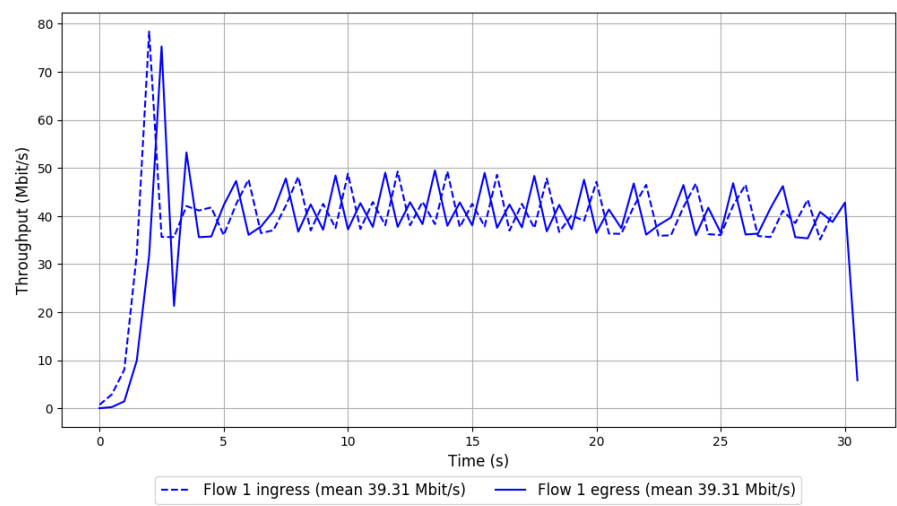
-- Flow 1:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 108.047 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

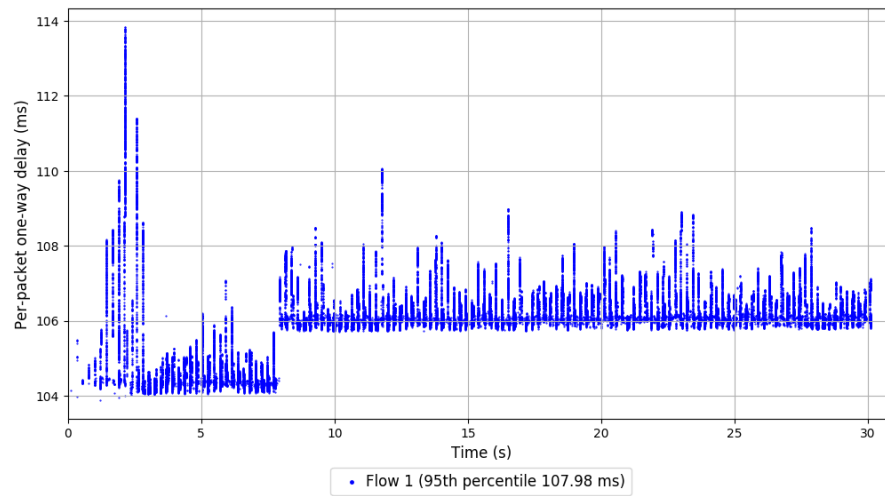
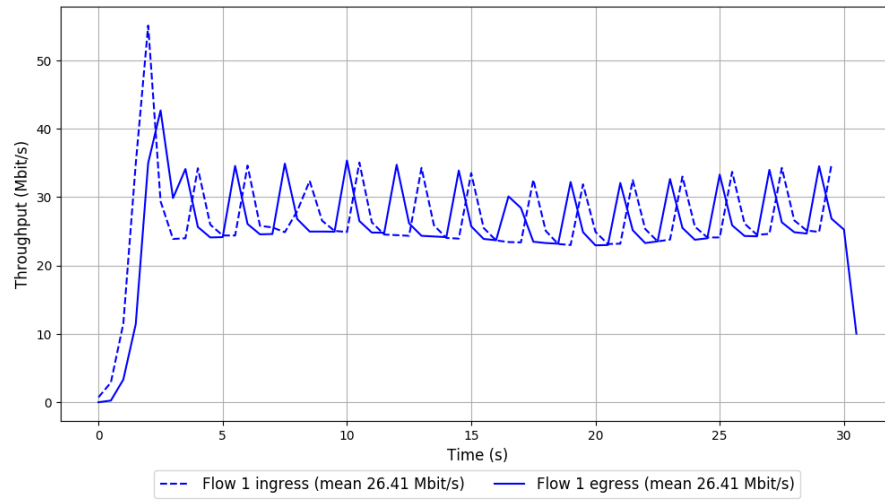


Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 04:48:57
End at: 2018-06-05 04:49:27
Local clock offset: 22.517 ms
Remote clock offset: 10.808 ms

Below is generated by plot.py at 2018-06-05 07:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 107.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 107.981 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 05:09:49

End at: 2018-06-05 05:10:19

Local clock offset: 5.83 ms

Remote clock offset: 3.473 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.36 Mbit/s

95th percentile per-packet one-way delay: 114.849 ms

Loss rate: 0.00%

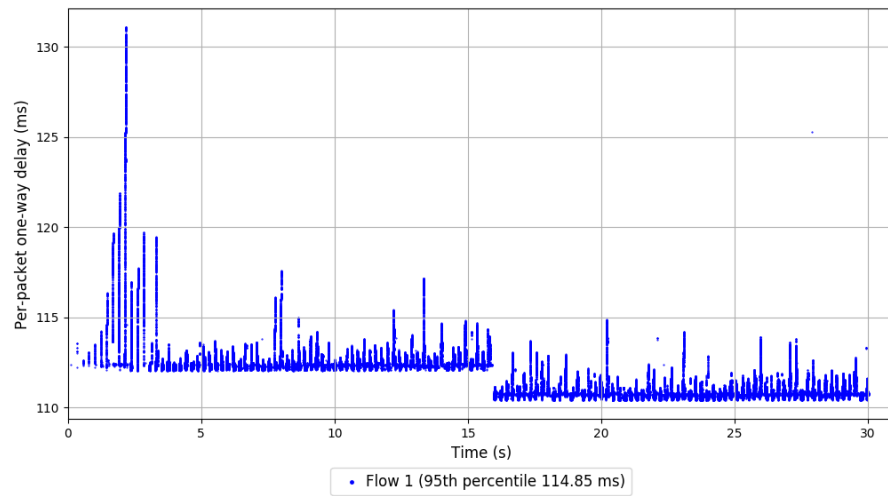
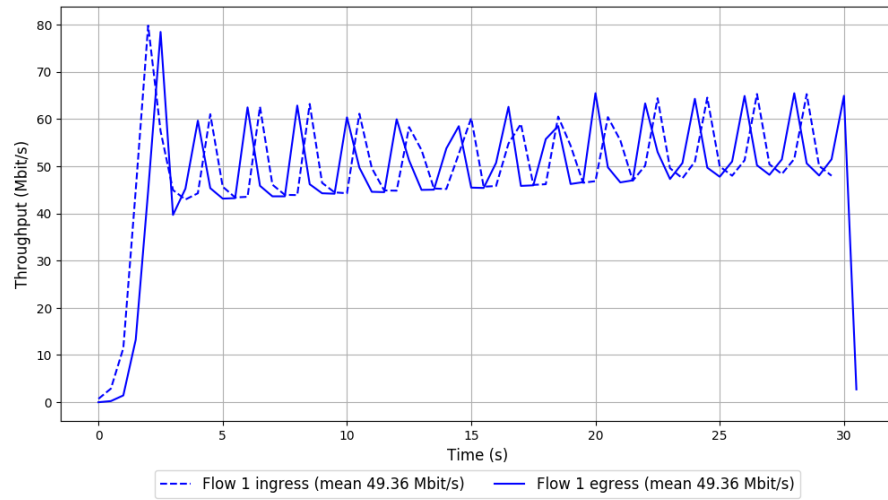
-- Flow 1:

Average throughput: 49.36 Mbit/s

95th percentile per-packet one-way delay: 114.849 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 05:30:11

End at: 2018-06-05 05:30:41

Local clock offset: 11.044 ms

Remote clock offset: 2.983 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.35 Mbit/s

95th percentile per-packet one-way delay: 112.569 ms

Loss rate: 0.00%

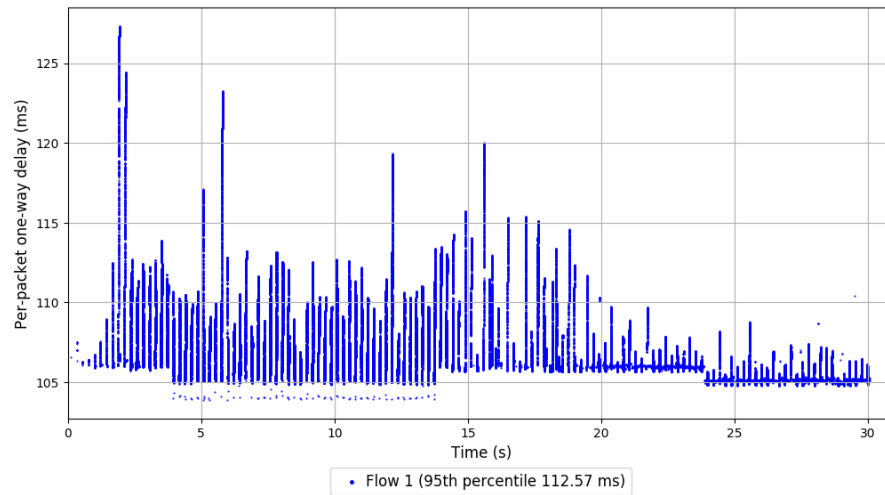
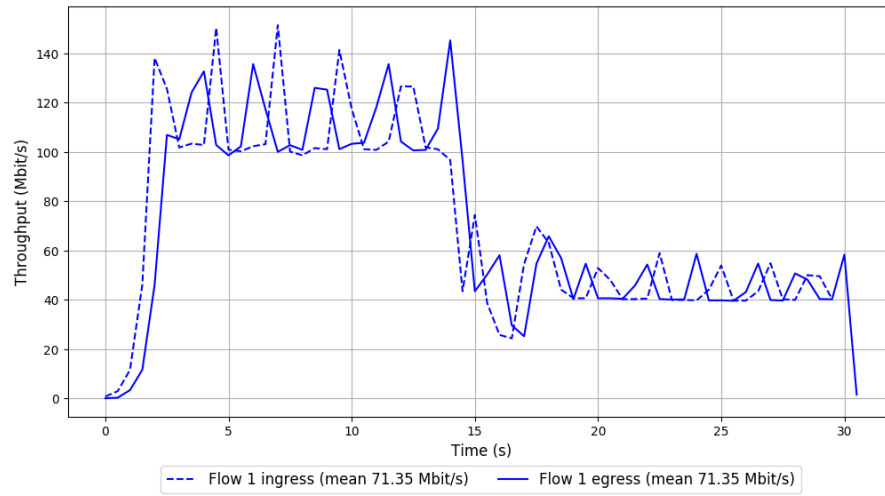
-- Flow 1:

Average throughput: 71.35 Mbit/s

95th percentile per-packet one-way delay: 112.569 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 05:50:36

End at: 2018-06-05 05:51:06

Local clock offset: 7.84 ms

Remote clock offset: 1.899 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 108.924 ms

Loss rate: 0.00%

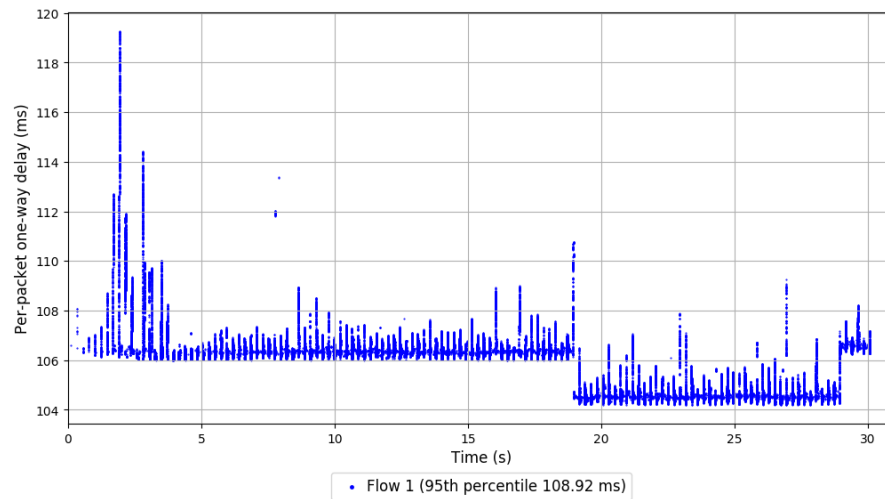
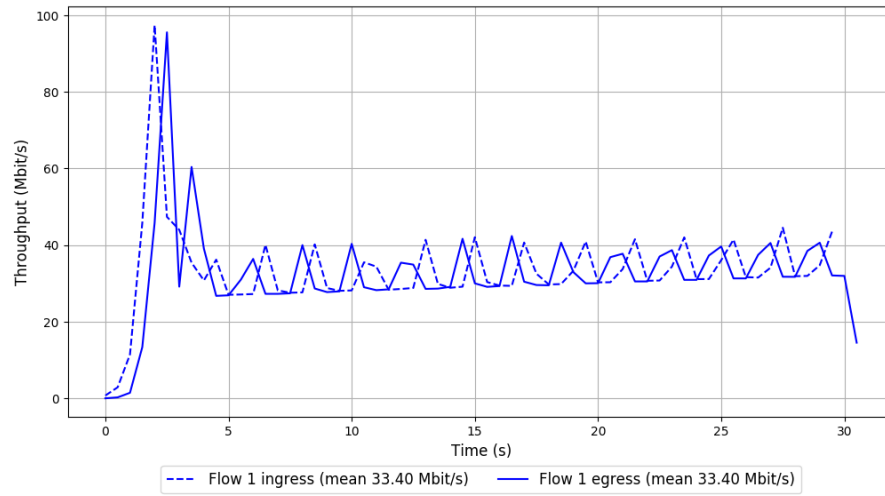
-- Flow 1:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 108.924 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 06:11:02

End at: 2018-06-05 06:11:32

Local clock offset: 0.429 ms

Remote clock offset: 0.922 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.04 Mbit/s

95th percentile per-packet one-way delay: 114.990 ms

Loss rate: 0.00%

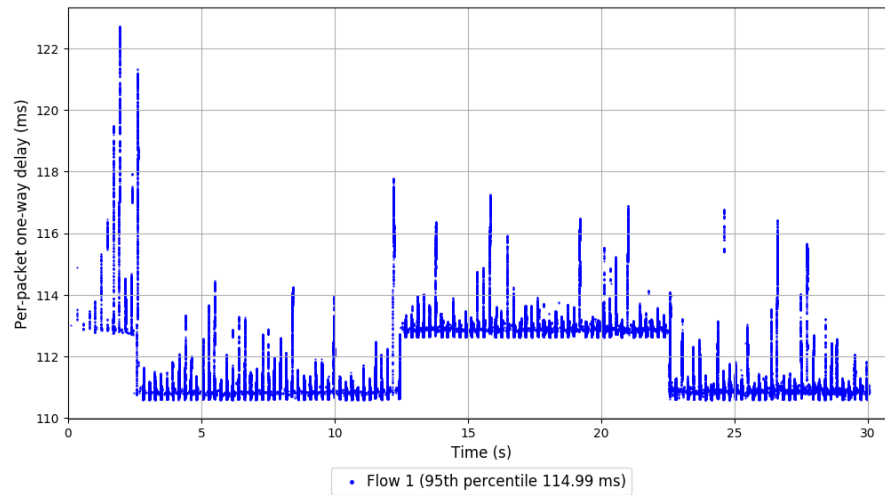
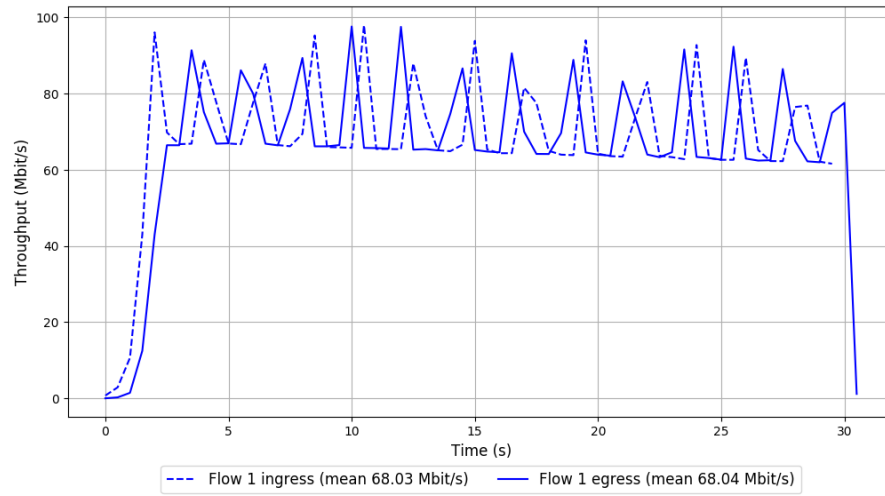
-- Flow 1:

Average throughput: 68.04 Mbit/s

95th percentile per-packet one-way delay: 114.990 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 06:31:59

End at: 2018-06-05 06:32:29

Local clock offset: 0.294 ms

Remote clock offset: 1.067 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.06 Mbit/s

95th percentile per-packet one-way delay: 114.191 ms

Loss rate: 0.00%

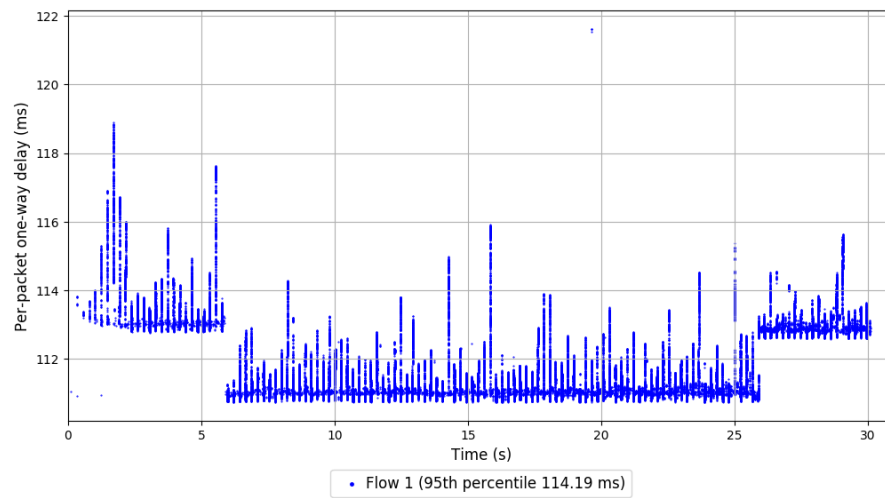
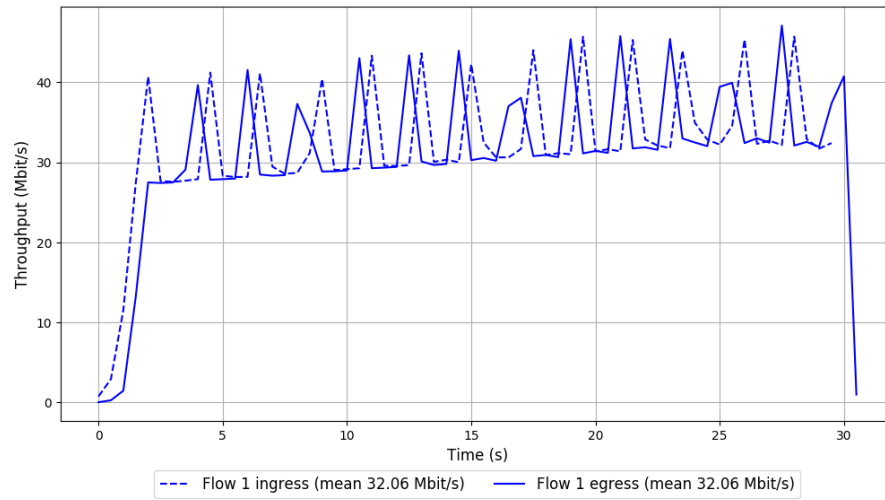
-- Flow 1:

Average throughput: 32.06 Mbit/s

95th percentile per-packet one-way delay: 114.191 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-05 03:09:56

End at: 2018-06-05 03:10:26

Local clock offset: 2.072 ms

Remote clock offset: 3.85 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.59 Mbit/s

95th percentile per-packet one-way delay: 312.608 ms

Loss rate: 4.42%

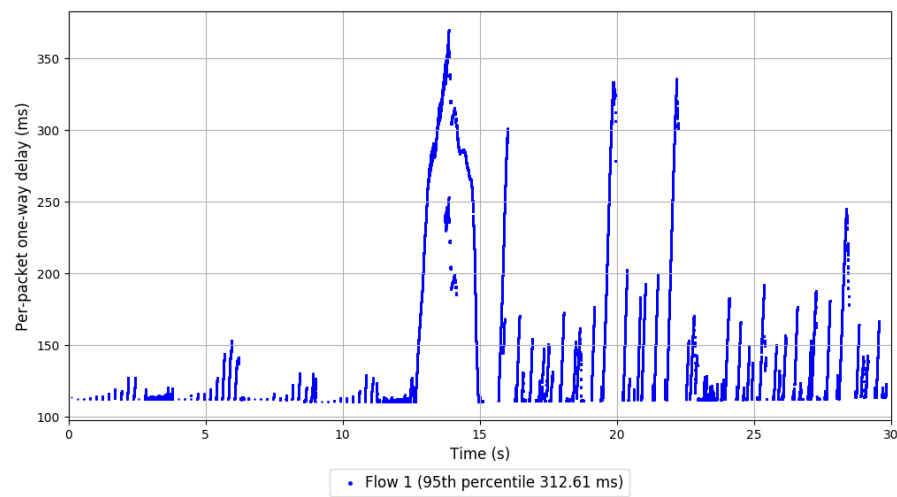
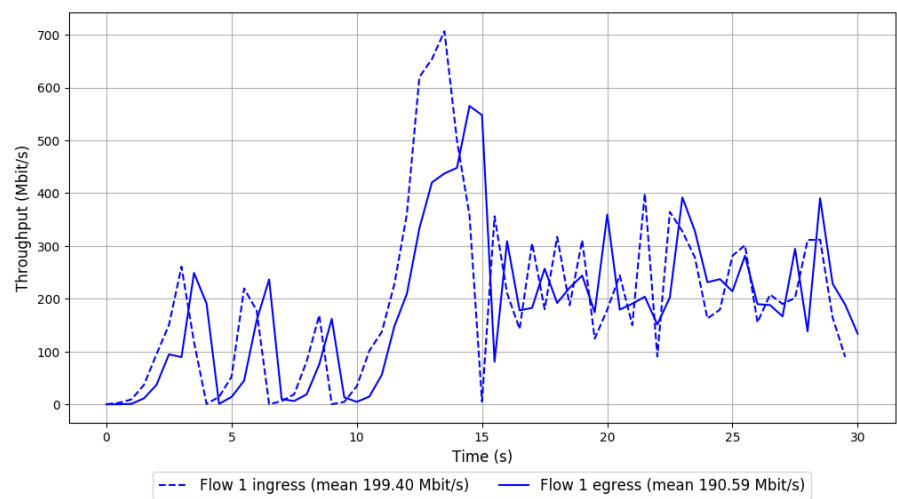
-- Flow 1:

Average throughput: 190.59 Mbit/s

95th percentile per-packet one-way delay: 312.608 ms

Loss rate: 4.42%

Run 1: Report of Verus — Data Link

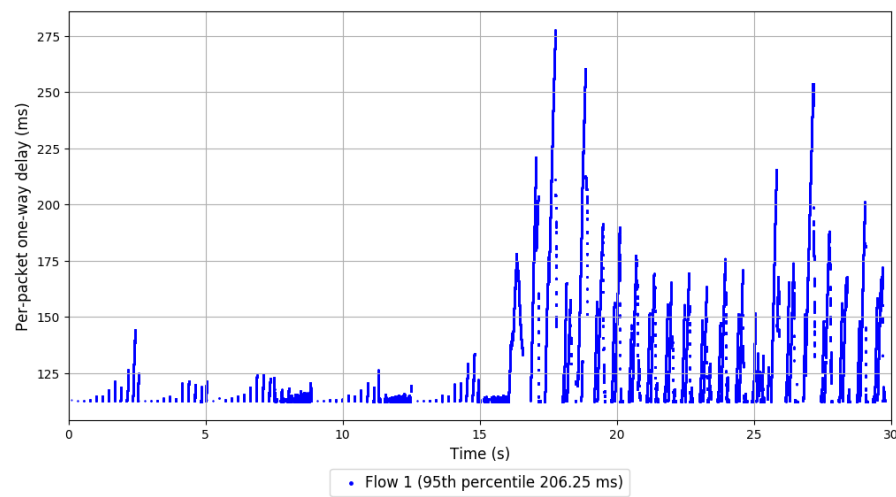
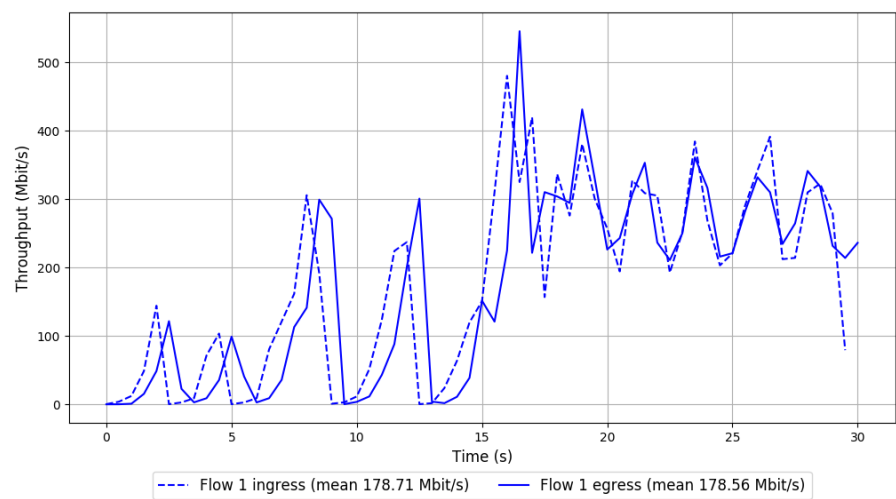


Run 2: Statistics of Verus

Start at: 2018-06-05 03:30:15
End at: 2018-06-05 03:30:45
Local clock offset: 10.743 ms
Remote clock offset: 14.499 ms

Below is generated by plot.py at 2018-06-05 07:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.56 Mbit/s
95th percentile per-packet one-way delay: 206.246 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 178.56 Mbit/s
95th percentile per-packet one-way delay: 206.246 ms
Loss rate: 0.09%

Run 2: Report of Verus — Data Link

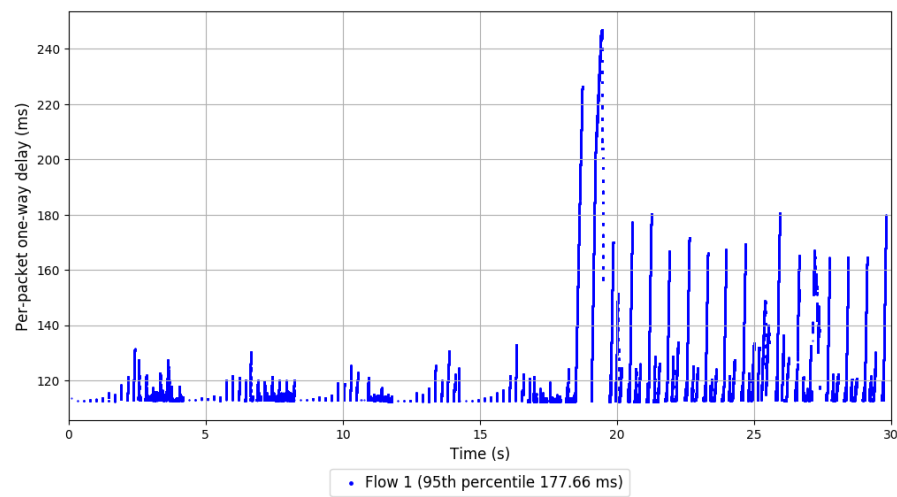
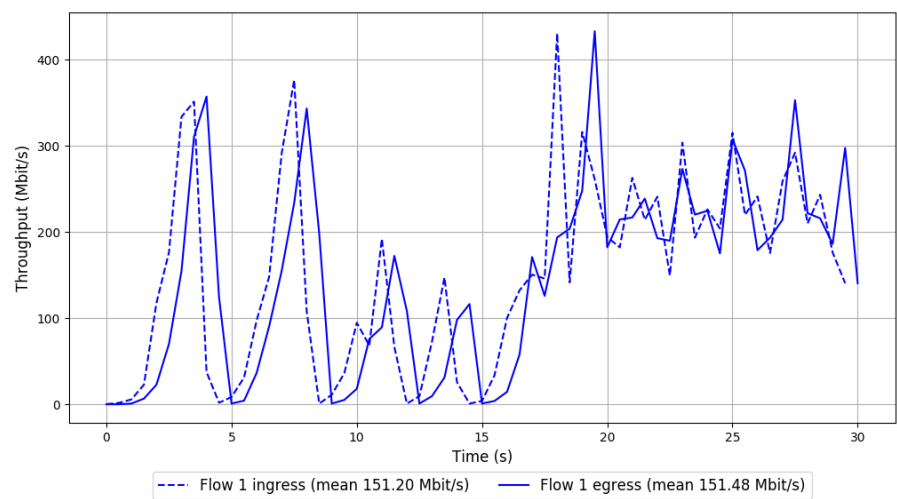


Run 3: Statistics of Verus

Start at: 2018-06-05 03:51:13
End at: 2018-06-05 03:51:43
Local clock offset: 16.201 ms
Remote clock offset: 21.575 ms

Below is generated by plot.py at 2018-06-05 07:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.48 Mbit/s
95th percentile per-packet one-way delay: 177.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.48 Mbit/s
95th percentile per-packet one-way delay: 177.663 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-05 04:11:47

End at: 2018-06-05 04:12:17

Local clock offset: 27.854 ms

Remote clock offset: 38.13 ms

Below is generated by plot.py at 2018-06-05 07:48:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.23 Mbit/s

95th percentile per-packet one-way delay: 165.825 ms

Loss rate: 1.08%

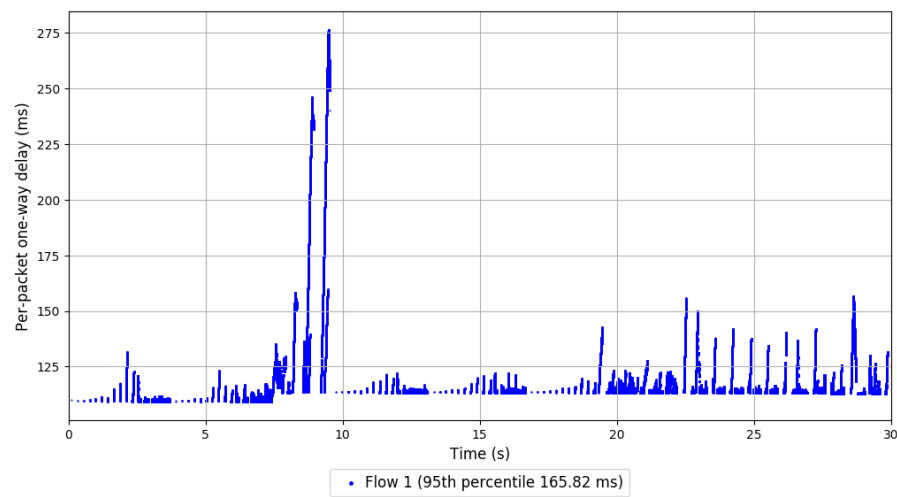
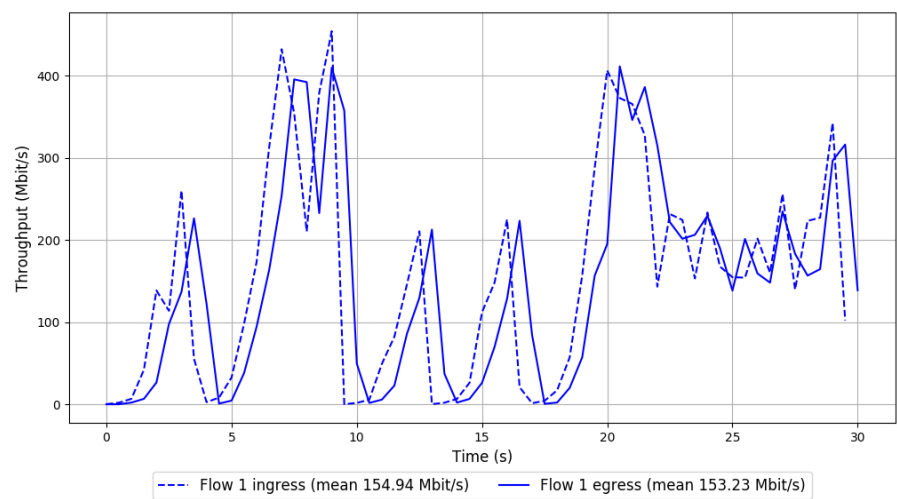
-- Flow 1:

Average throughput: 153.23 Mbit/s

95th percentile per-packet one-way delay: 165.825 ms

Loss rate: 1.08%

Run 4: Report of Verus — Data Link

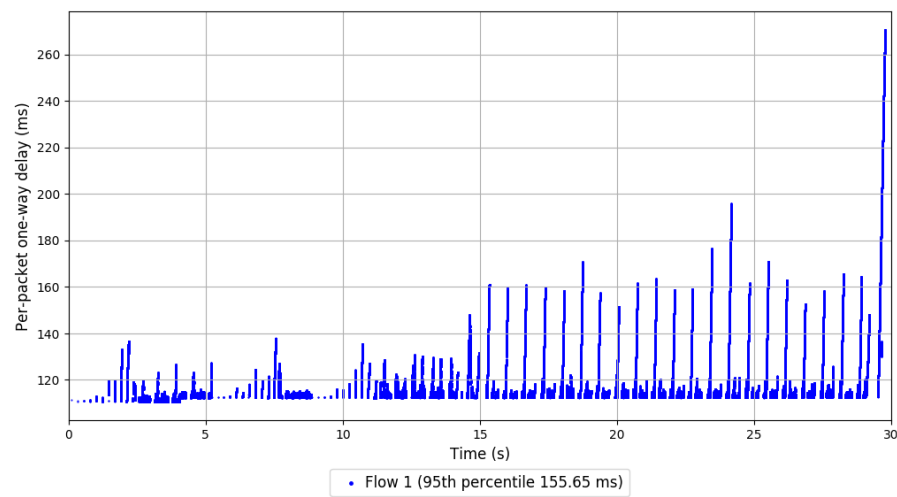
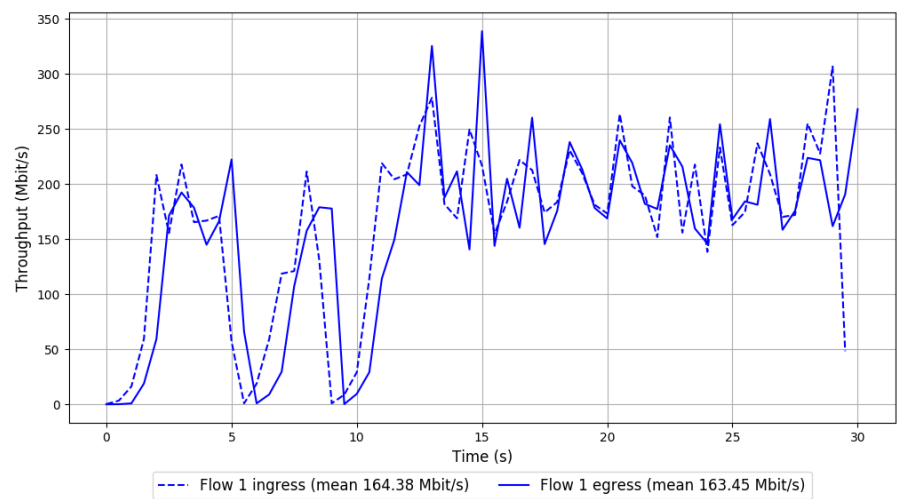


Run 5: Statistics of Verus

Start at: 2018-06-05 04:32:21
End at: 2018-06-05 04:32:51
Local clock offset: 12.776 ms
Remote clock offset: 11.614 ms

Below is generated by plot.py at 2018-06-05 07:49:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.45 Mbit/s
95th percentile per-packet one-way delay: 155.650 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 163.45 Mbit/s
95th percentile per-packet one-way delay: 155.650 ms
Loss rate: 0.04%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-05 04:52:49

End at: 2018-06-05 04:53:19

Local clock offset: 13.916 ms

Remote clock offset: 9.075 ms

Below is generated by plot.py at 2018-06-05 07:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.34 Mbit/s

95th percentile per-packet one-way delay: 154.513 ms

Loss rate: 0.00%

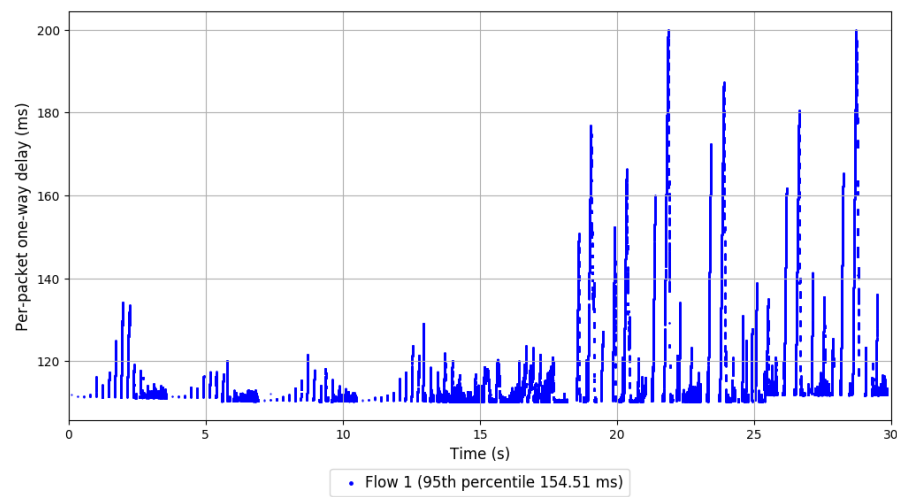
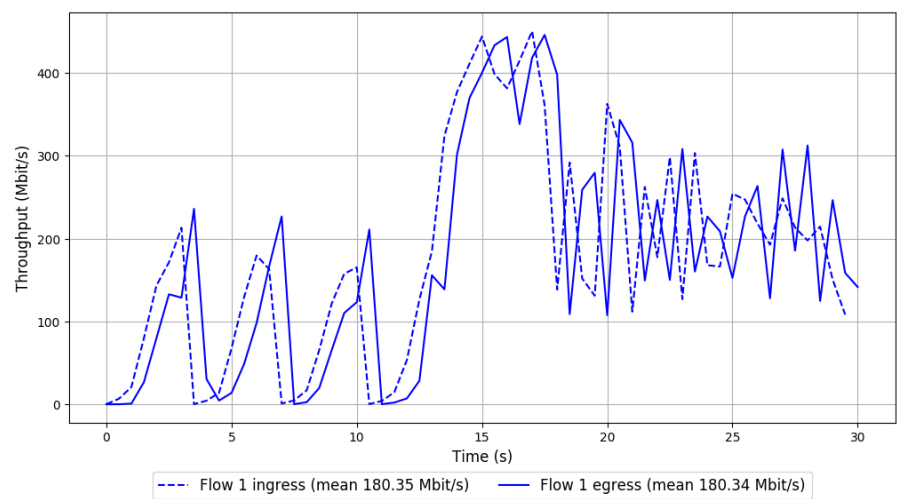
-- Flow 1:

Average throughput: 180.34 Mbit/s

95th percentile per-packet one-way delay: 154.513 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

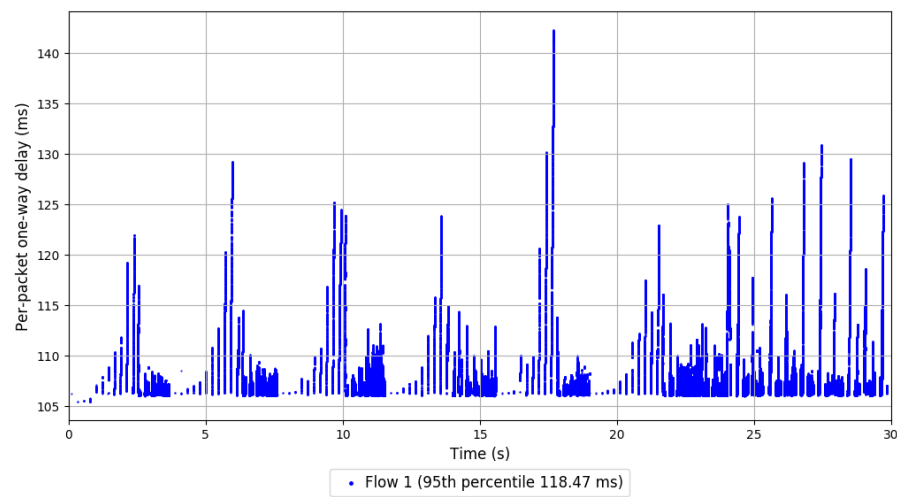
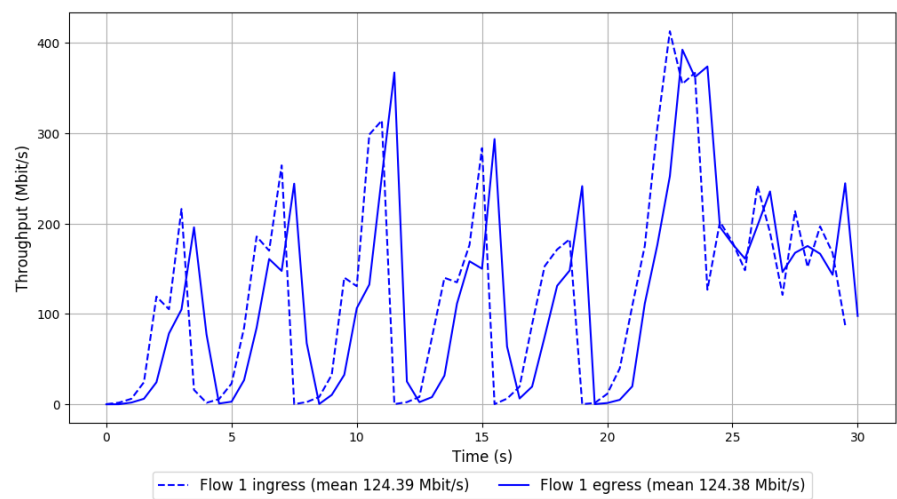


Run 7: Statistics of Verus

Start at: 2018-06-05 05:13:44
End at: 2018-06-05 05:14:14
Local clock offset: 12.828 ms
Remote clock offset: 4.34 ms

Below is generated by plot.py at 2018-06-05 07:49:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.38 Mbit/s
95th percentile per-packet one-way delay: 118.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.38 Mbit/s
95th percentile per-packet one-way delay: 118.466 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

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

End at: 2018-06-05 05:34:39

Local clock offset: 3.132 ms

Remote clock offset: 2.238 ms

Below is generated by plot.py at 2018-06-05 07:49:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 129.297 ms

Loss rate: 0.00%

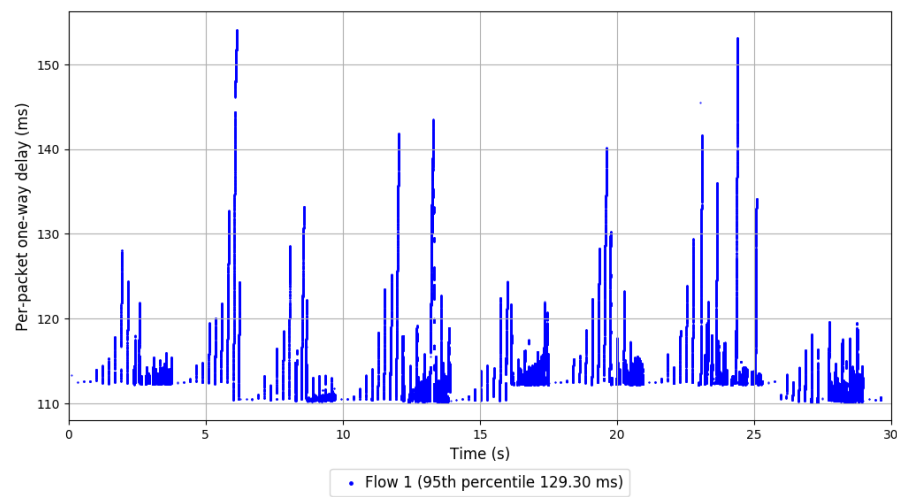
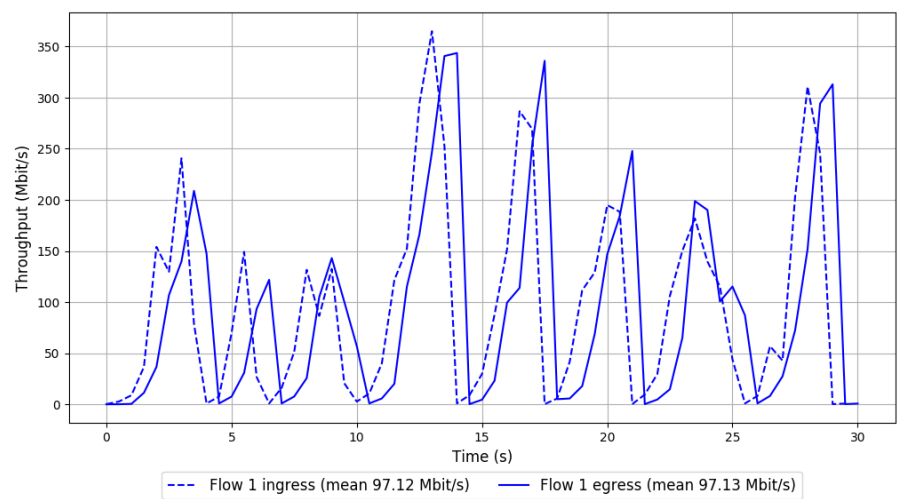
-- Flow 1:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 129.297 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-05 05:54:36

End at: 2018-06-05 05:55:06

Local clock offset: 1.757 ms

Remote clock offset: 2.056 ms

Below is generated by plot.py at 2018-06-05 07:50:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.07 Mbit/s

95th percentile per-packet one-way delay: 172.011 ms

Loss rate: 0.03%

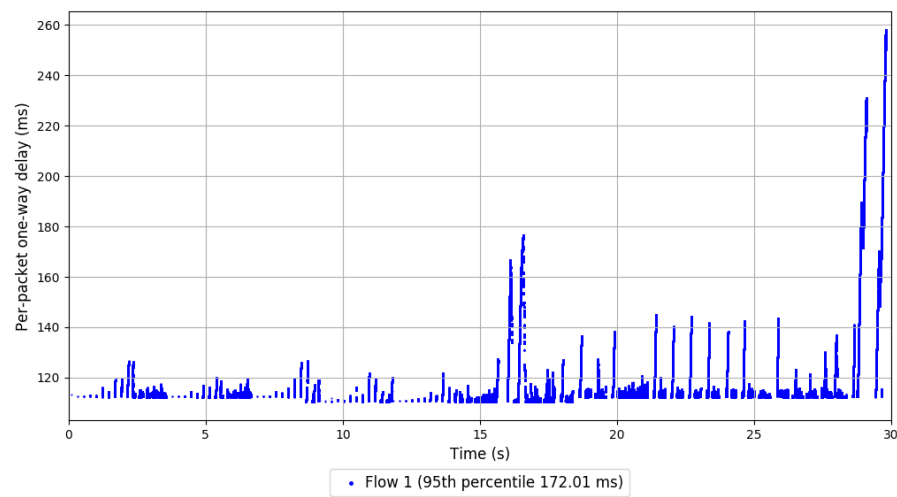
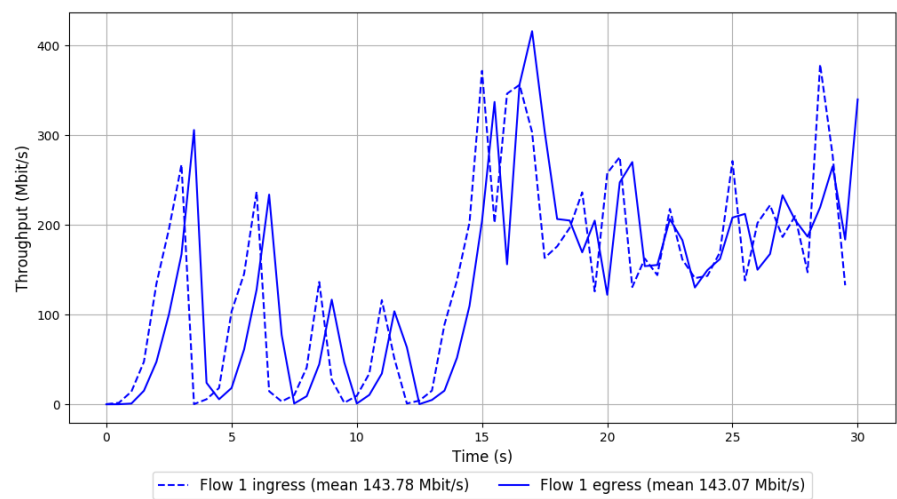
-- Flow 1:

Average throughput: 143.07 Mbit/s

95th percentile per-packet one-way delay: 172.011 ms

Loss rate: 0.03%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-05 06:15:11

End at: 2018-06-05 06:15:41

Local clock offset: 0.435 ms

Remote clock offset: 0.857 ms

Below is generated by plot.py at 2018-06-05 07:50:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.88 Mbit/s

95th percentile per-packet one-way delay: 152.596 ms

Loss rate: 0.04%

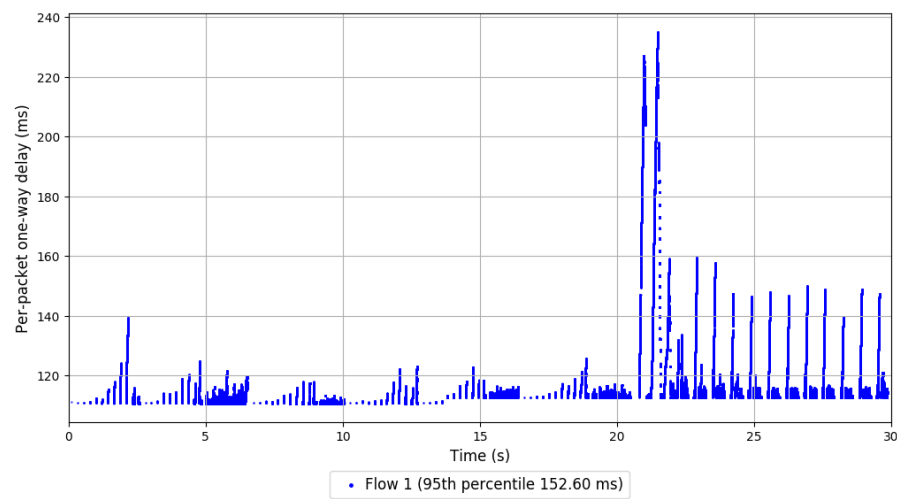
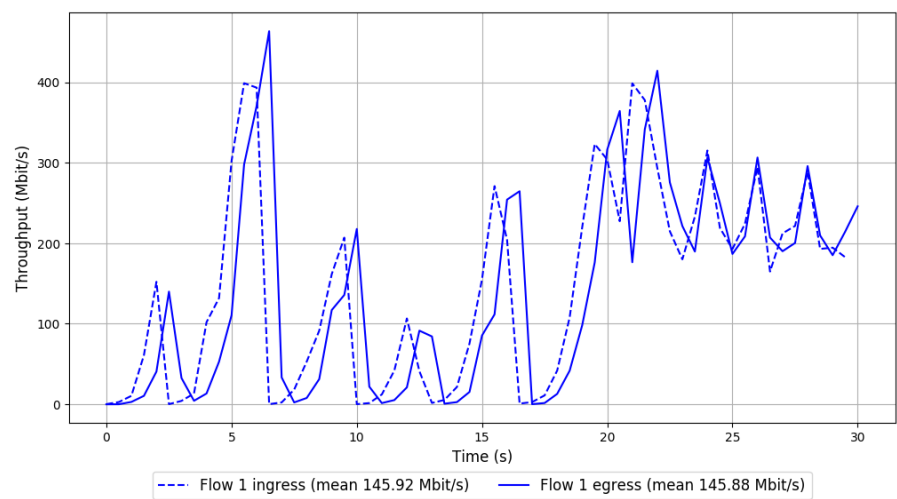
-- Flow 1:

Average throughput: 145.88 Mbit/s

95th percentile per-packet one-way delay: 152.596 ms

Loss rate: 0.04%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 03:17:35

End at: 2018-06-05 03:18:05

Local clock offset: 8.601 ms

Remote clock offset: 10.353 ms

Below is generated by plot.py at 2018-06-05 07:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.63 Mbit/s

95th percentile per-packet one-way delay: 112.215 ms

Loss rate: 0.00%

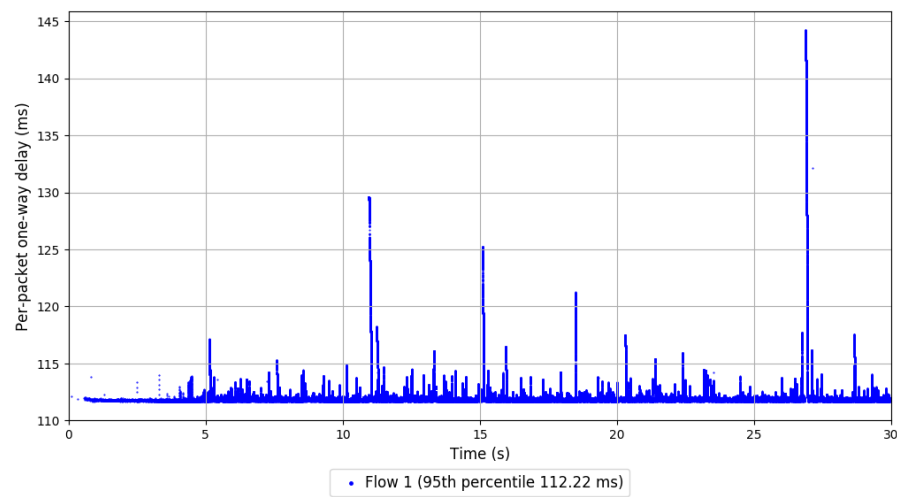
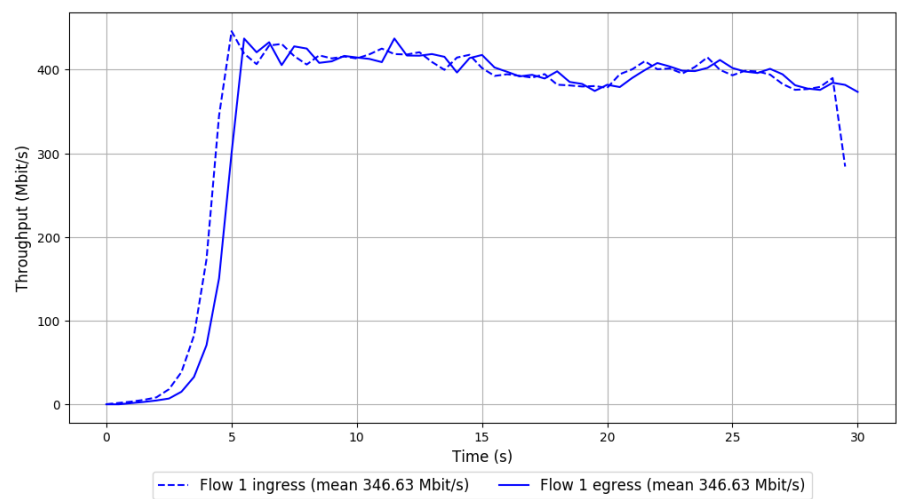
-- Flow 1:

Average throughput: 346.63 Mbit/s

95th percentile per-packet one-way delay: 112.215 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

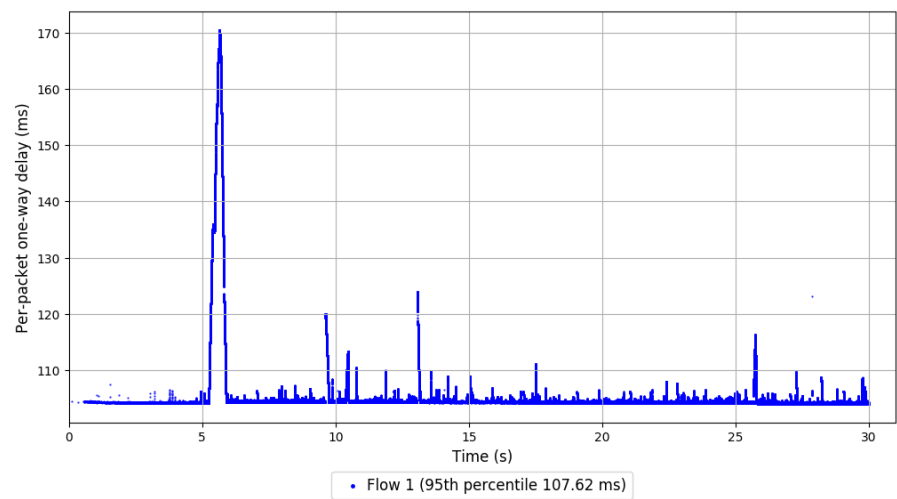
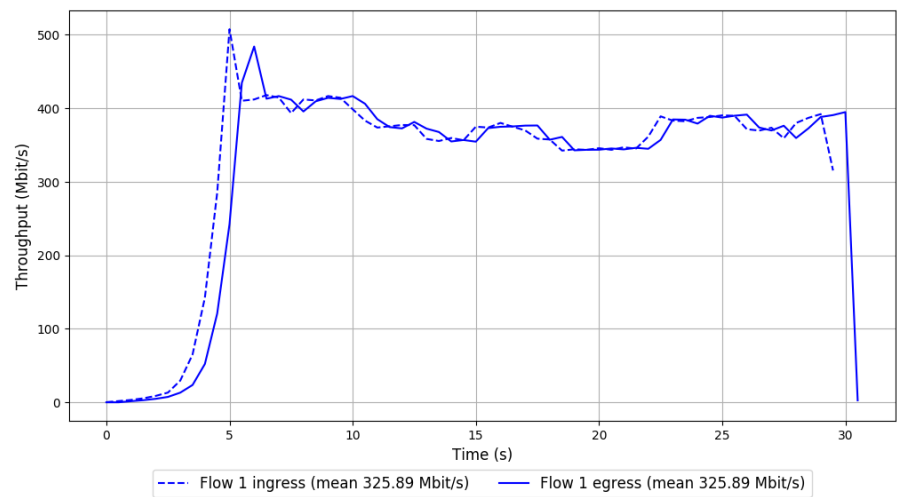


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 03:37:59
End at: 2018-06-05 03:38:29
Local clock offset: 23.087 ms
Remote clock offset: 22.715 ms

Below is generated by plot.py at 2018-06-05 07:55:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.89 Mbit/s
95th percentile per-packet one-way delay: 107.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 325.89 Mbit/s
95th percentile per-packet one-way delay: 107.619 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

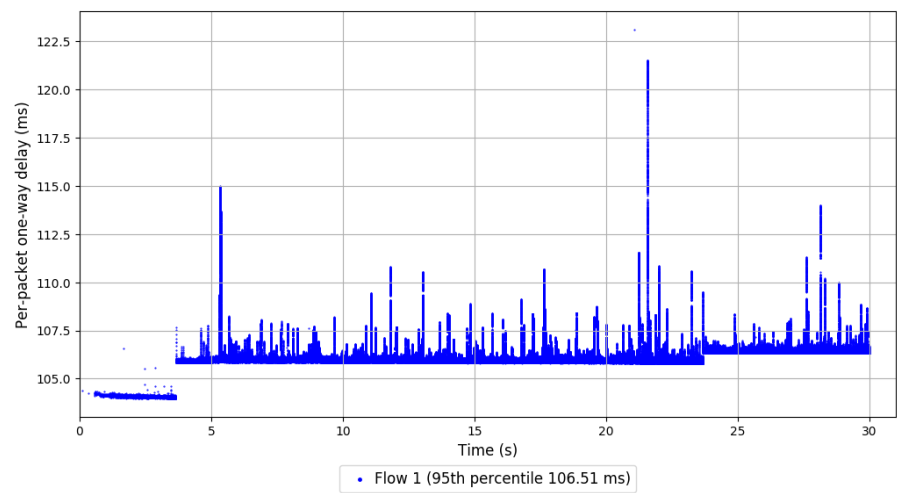
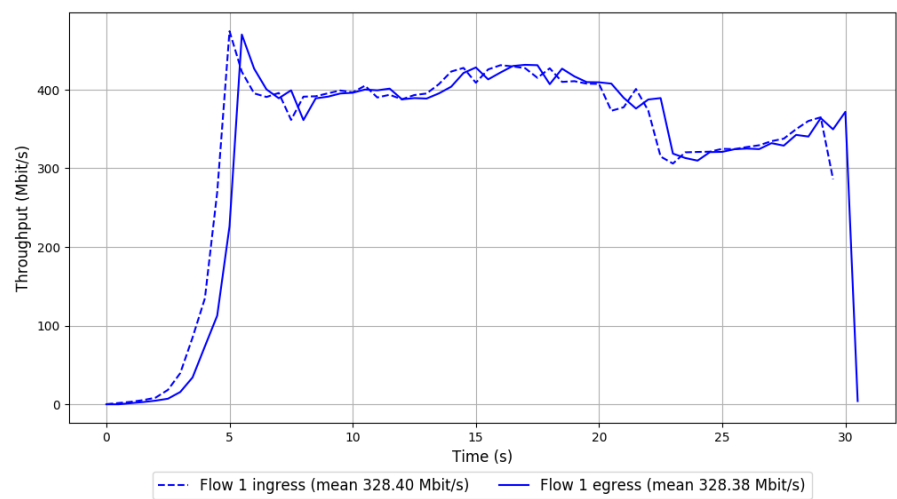


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 03:58:51
End at: 2018-06-05 03:59:21
Local clock offset: 25.026 ms
Remote clock offset: 25.067 ms

Below is generated by plot.py at 2018-06-05 07:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.38 Mbit/s
95th percentile per-packet one-way delay: 106.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.38 Mbit/s
95th percentile per-packet one-way delay: 106.506 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

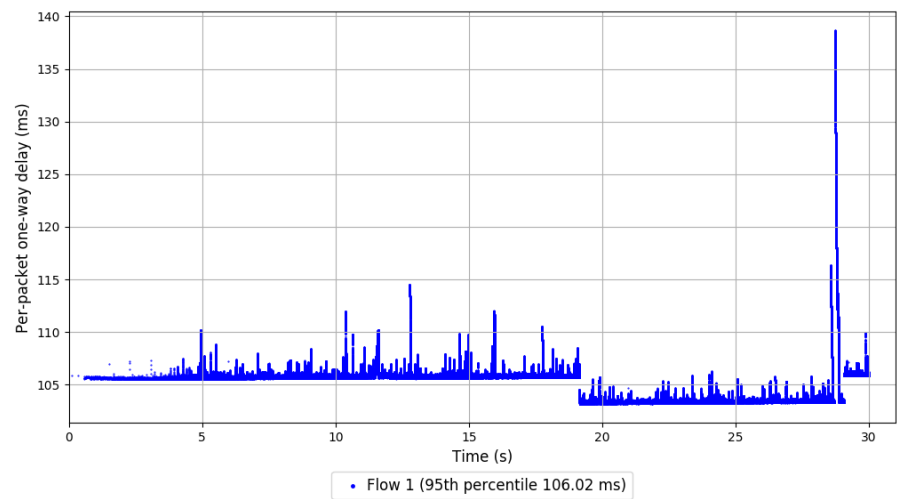
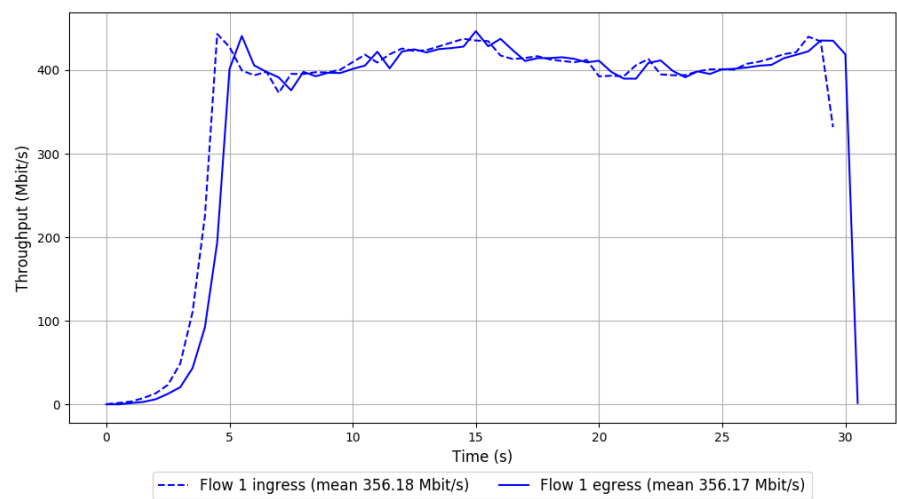


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 04:19:26
End at: 2018-06-05 04:19:56
Local clock offset: 32.364 ms
Remote clock offset: 32.012 ms

Below is generated by plot.py at 2018-06-05 07:56:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.17 Mbit/s
95th percentile per-packet one-way delay: 106.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 356.17 Mbit/s
95th percentile per-packet one-way delay: 106.021 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 04:40:02

End at: 2018-06-05 04:40:32

Local clock offset: 19.424 ms

Remote clock offset: 9.906 ms

Below is generated by plot.py at 2018-06-05 07:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.21 Mbit/s

95th percentile per-packet one-way delay: 107.735 ms

Loss rate: 0.00%

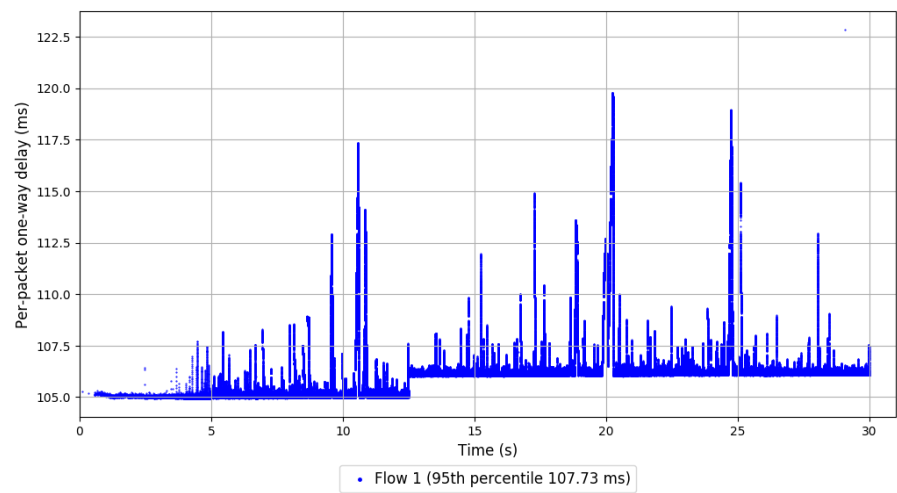
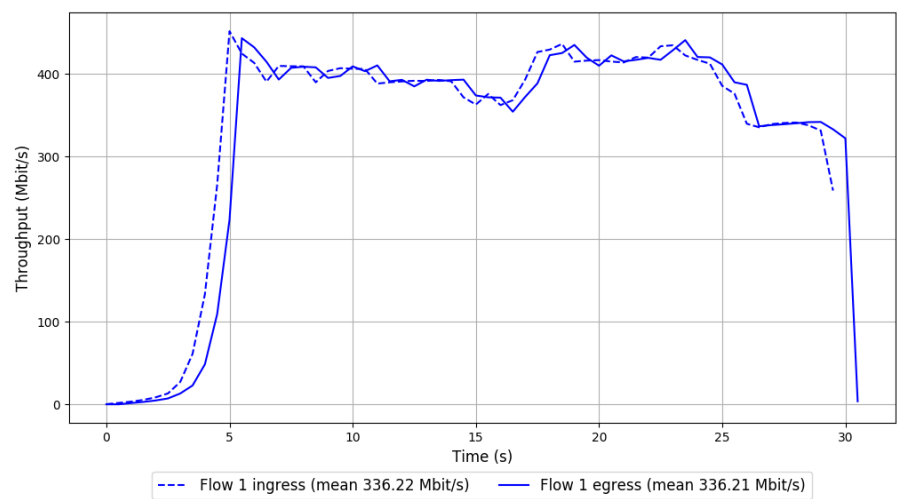
-- Flow 1:

Average throughput: 336.21 Mbit/s

95th percentile per-packet one-way delay: 107.735 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 05:00:34

End at: 2018-06-05 05:01:04

Local clock offset: 14.091 ms

Remote clock offset: 5.233 ms

Below is generated by plot.py at 2018-06-05 07:56:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 344.23 Mbit/s

95th percentile per-packet one-way delay: 105.662 ms

Loss rate: 0.00%

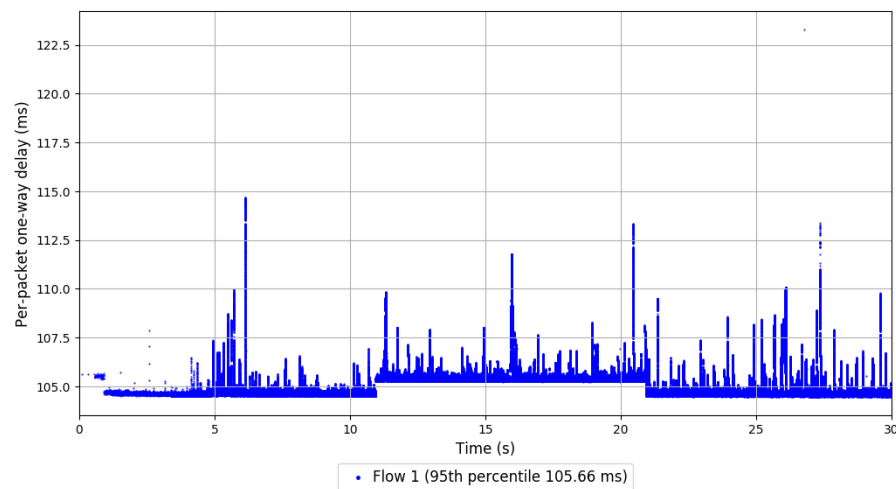
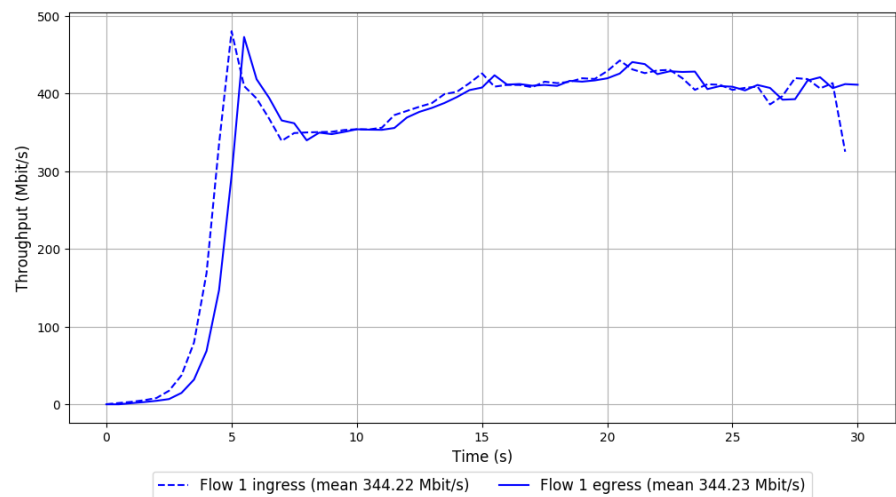
-- Flow 1:

Average throughput: 344.23 Mbit/s

95th percentile per-packet one-way delay: 105.662 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 05:21:21

End at: 2018-06-05 05:21:51

Local clock offset: 13.893 ms

Remote clock offset: 4.238 ms

Below is generated by plot.py at 2018-06-05 07:56:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.12 Mbit/s

95th percentile per-packet one-way delay: 107.324 ms

Loss rate: 0.00%

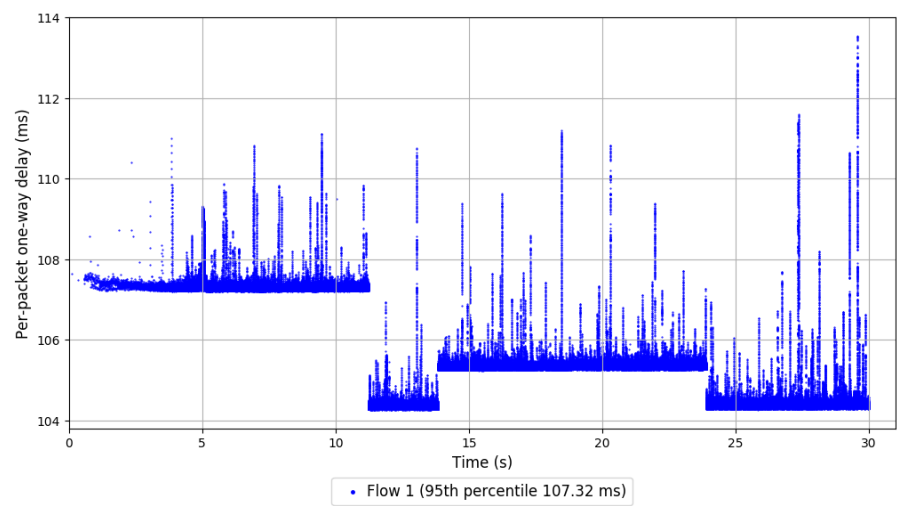
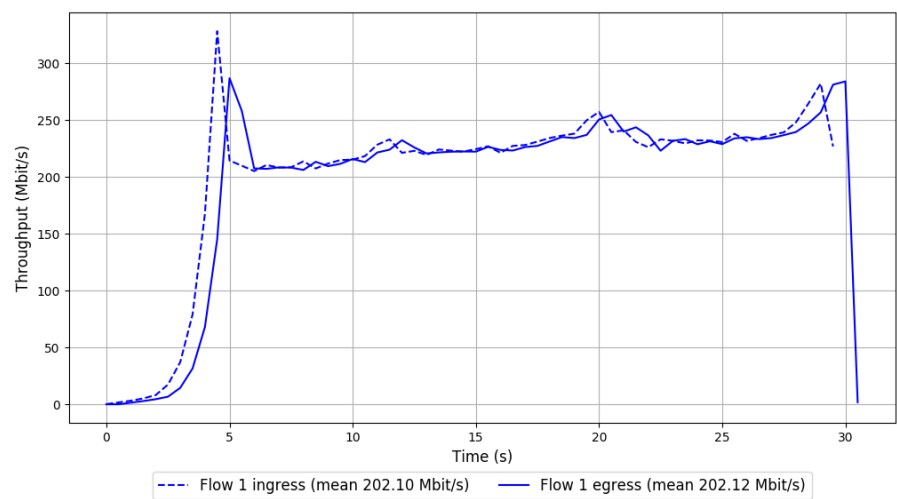
-- Flow 1:

Average throughput: 202.12 Mbit/s

95th percentile per-packet one-way delay: 107.324 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 05:41:42

End at: 2018-06-05 05:42:12

Local clock offset: 1.649 ms

Remote clock offset: 1.792 ms

Below is generated by plot.py at 2018-06-05 07:56:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.37 Mbit/s

95th percentile per-packet one-way delay: 111.953 ms

Loss rate: 0.00%

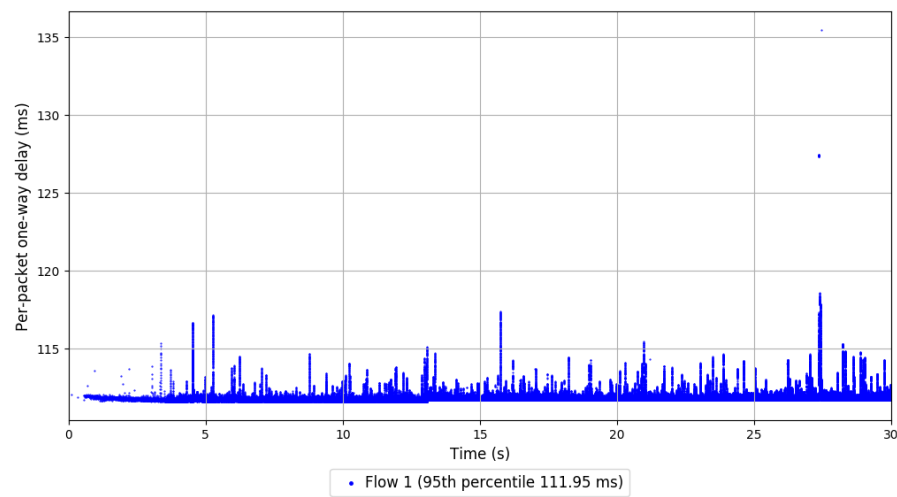
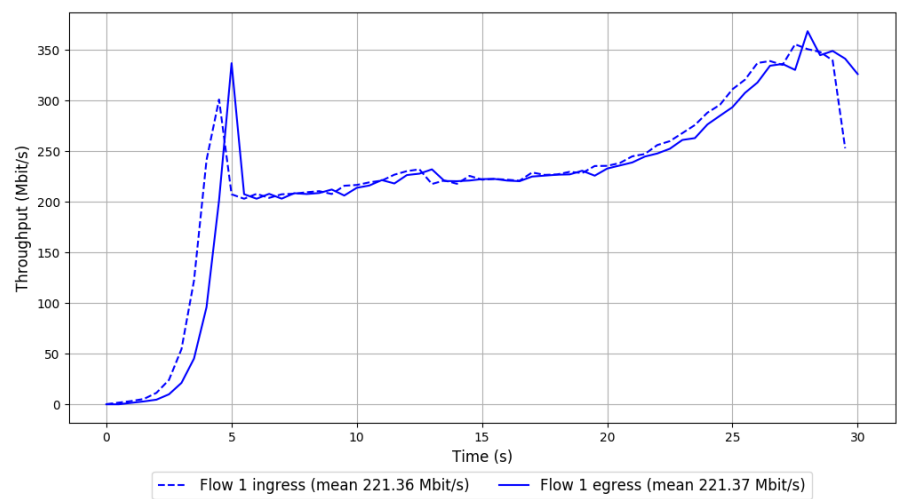
-- Flow 1:

Average throughput: 221.37 Mbit/s

95th percentile per-packet one-way delay: 111.953 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 06:02:10

End at: 2018-06-05 06:02:40

Local clock offset: 1.452 ms

Remote clock offset: 2.051 ms

Below is generated by plot.py at 2018-06-05 07:57:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.48 Mbit/s

95th percentile per-packet one-way delay: 153.794 ms

Loss rate: 0.00%

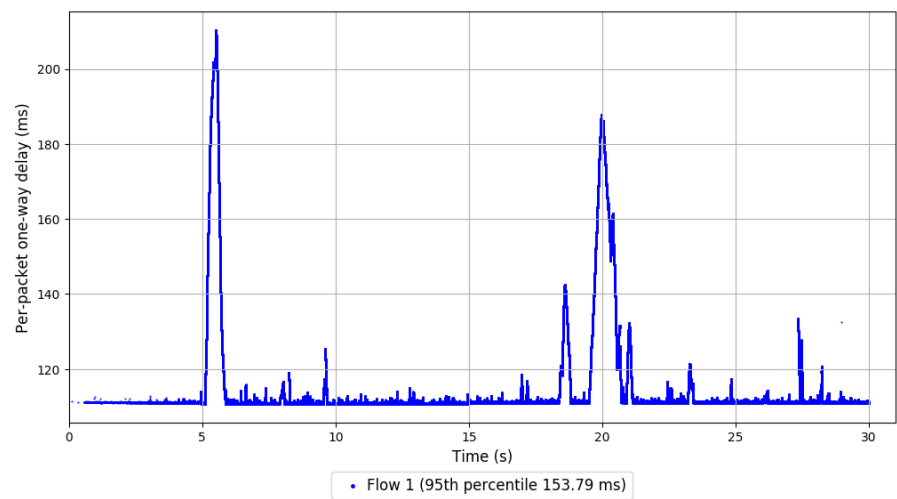
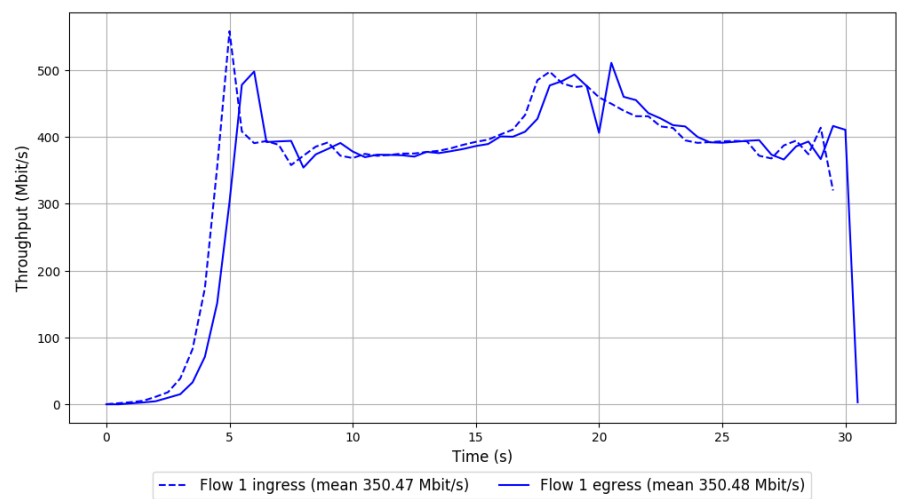
-- Flow 1:

Average throughput: 350.48 Mbit/s

95th percentile per-packet one-way delay: 153.794 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 06:22:51

End at: 2018-06-05 06:23:21

Local clock offset: 0.38 ms

Remote clock offset: 0.869 ms

Below is generated by plot.py at 2018-06-05 07:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.01 Mbit/s

95th percentile per-packet one-way delay: 112.642 ms

Loss rate: 0.04%

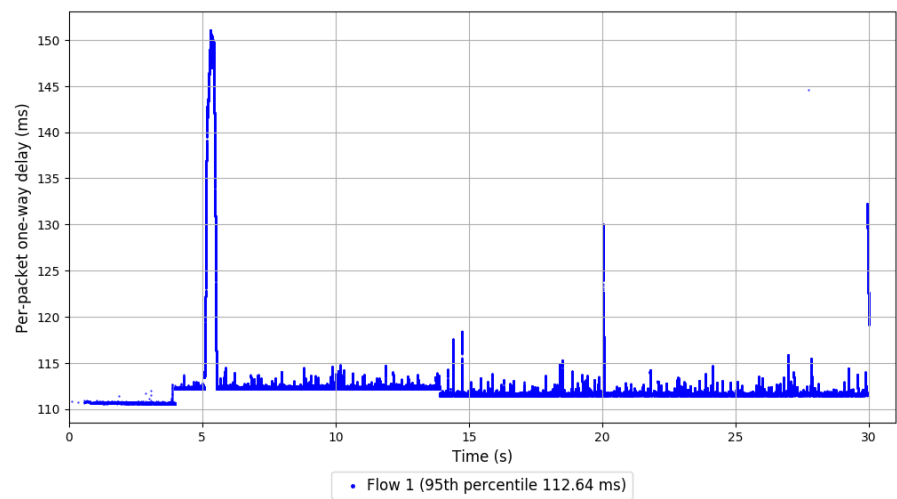
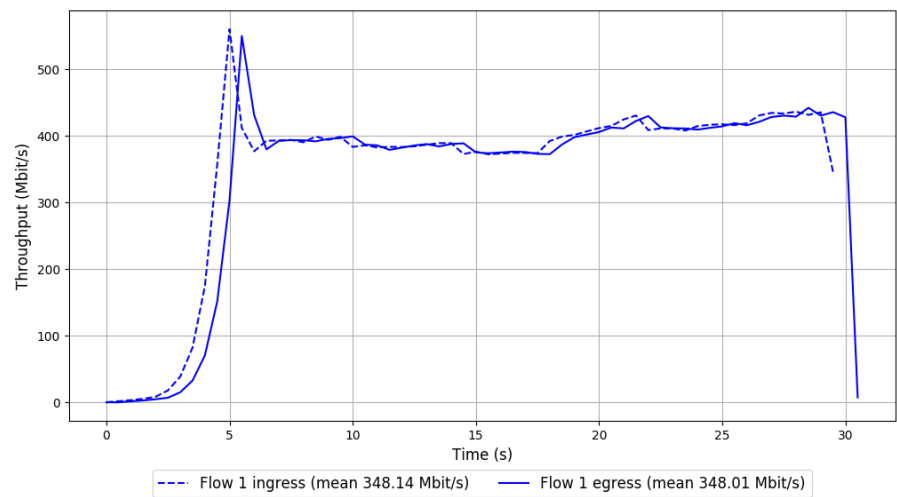
-- Flow 1:

Average throughput: 348.01 Mbit/s

95th percentile per-packet one-way delay: 112.642 ms

Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link

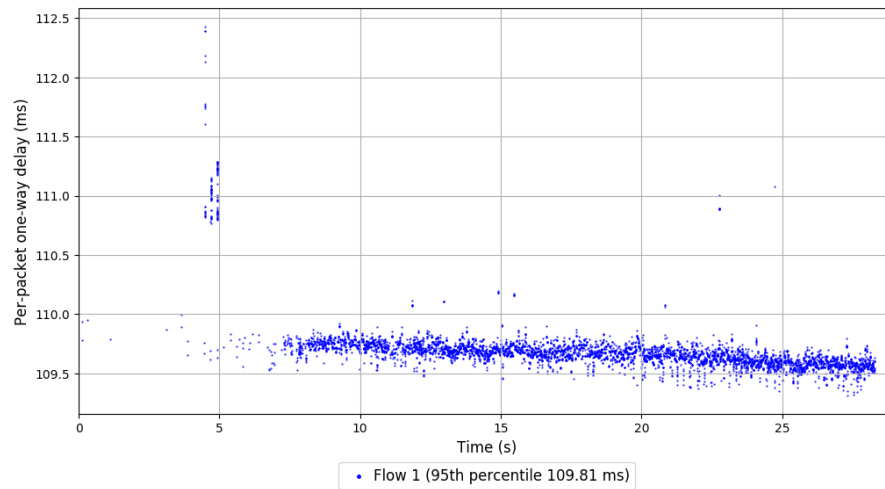
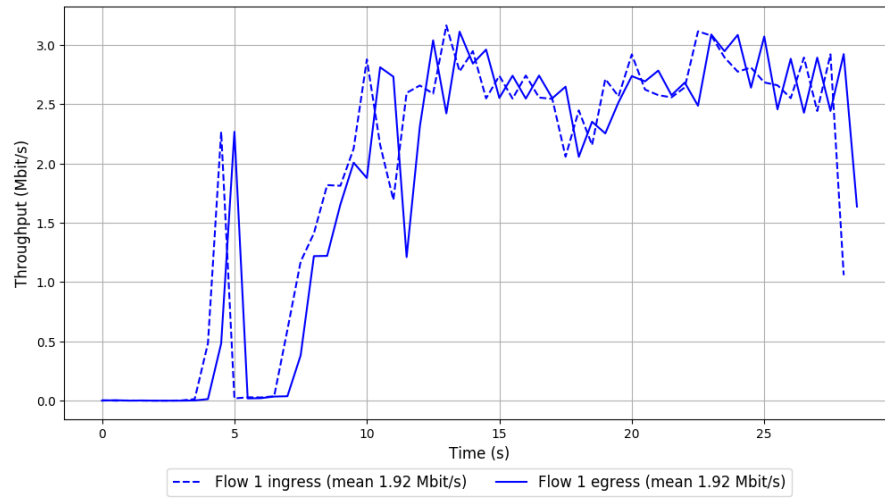


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 03:13:36
End at: 2018-06-05 03:14:06
Local clock offset: 4.843 ms
Remote clock offset: 6.49 ms

# Below is generated by plot.py at 2018-06-05 07:57:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 109.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 109.808 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

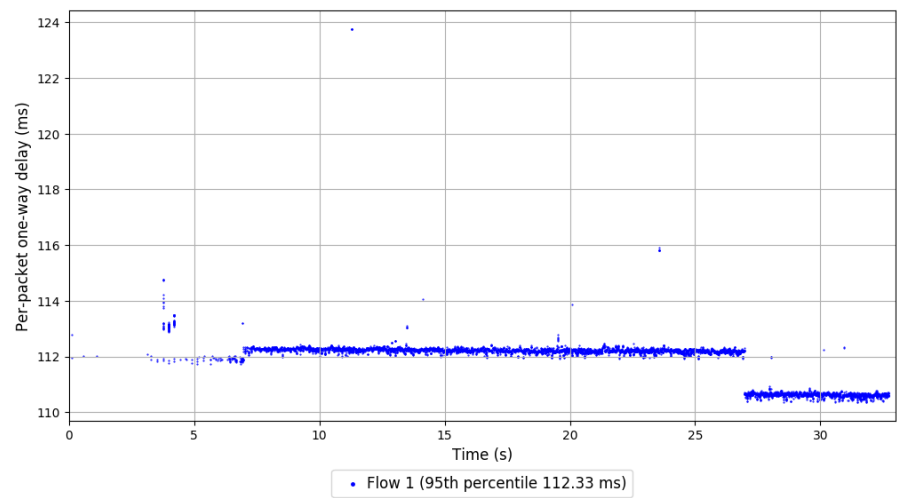
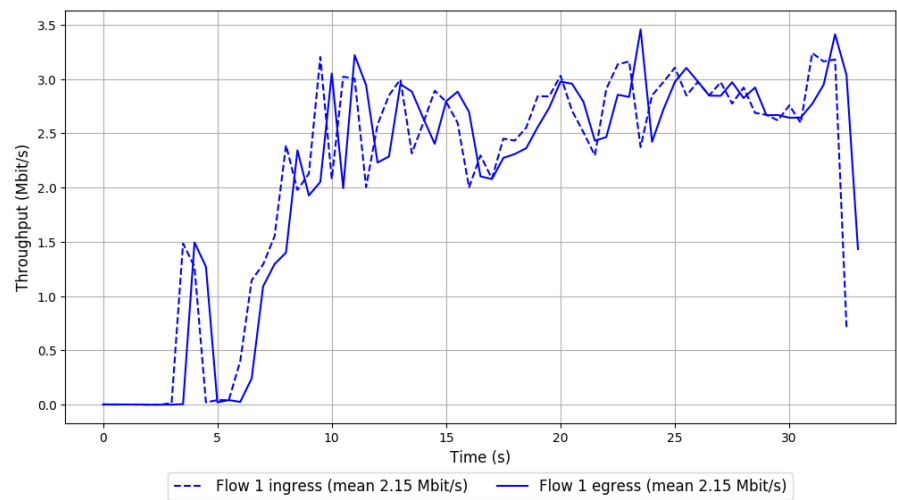


Run 2: Statistics of WebRTC media

Start at: 2018-06-05 03:34:01
End at: 2018-06-05 03:34:31
Local clock offset: 12.848 ms
Remote clock offset: 17.411 ms

Below is generated by plot.py at 2018-06-05 07:57:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 112.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 112.333 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

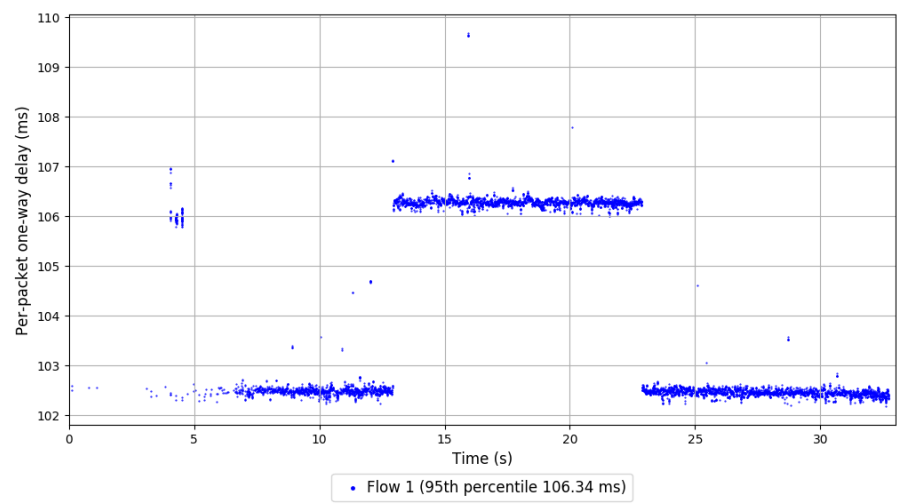
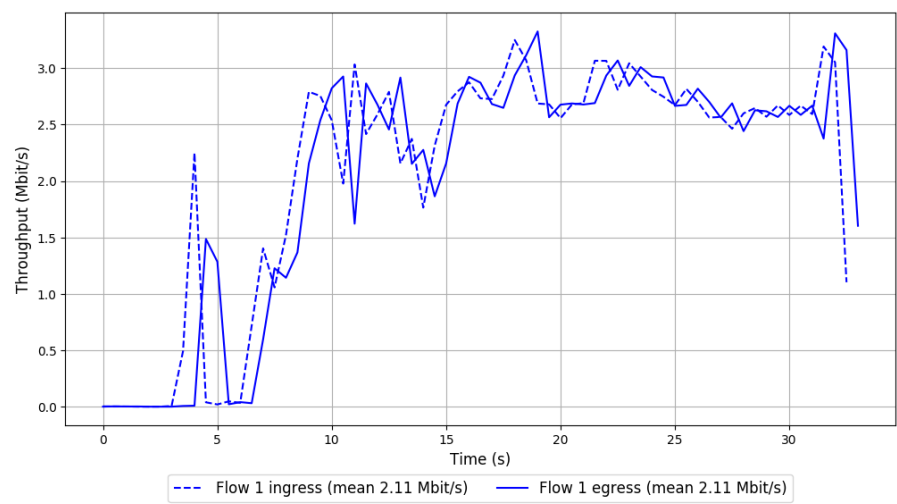


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 03:54:55
End at: 2018-06-05 03:55:25
Local clock offset: 23.468 ms
Remote clock offset: 22.671 ms

Below is generated by plot.py at 2018-06-05 07:57:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 106.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 106.340 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

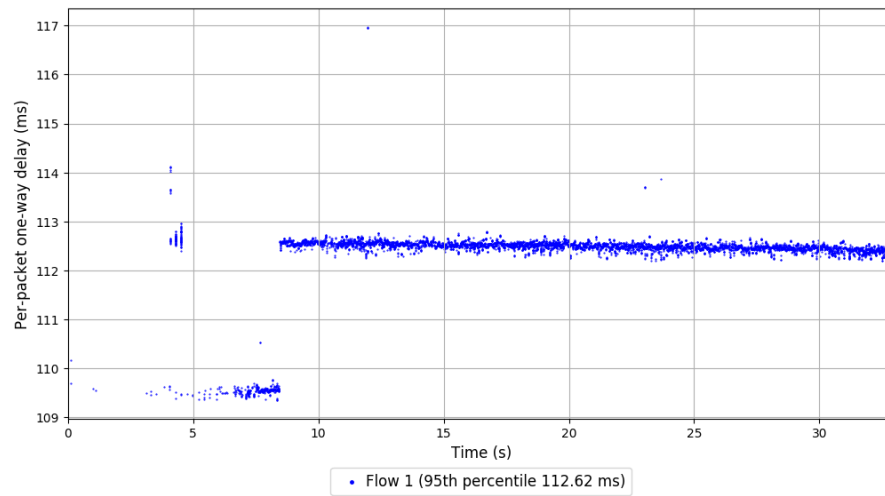
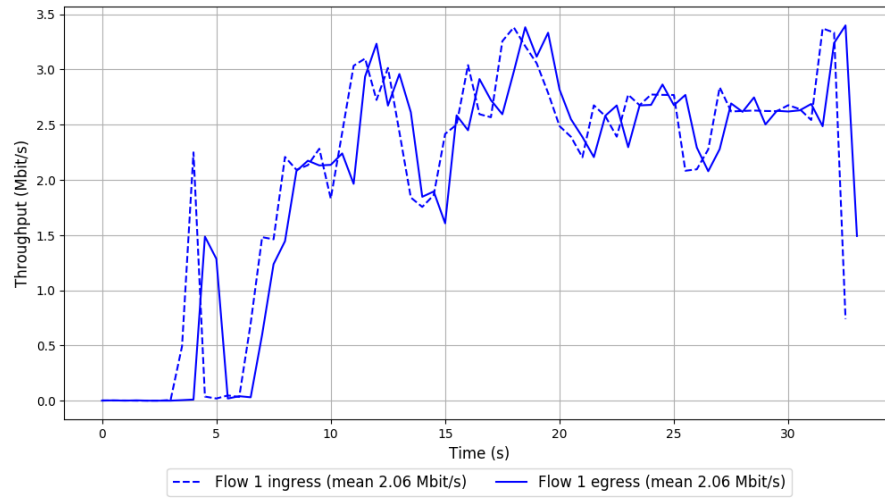


Run 4: Statistics of WebRTC media

Start at: 2018-06-05 04:15:29
End at: 2018-06-05 04:15:59
Local clock offset: 31.445 ms
Remote clock offset: 42.111 ms

Below is generated by plot.py at 2018-06-05 07:57:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 112.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 112.622 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-05 04:36:03

End at: 2018-06-05 04:36:33

Local clock offset: 19.144 ms

Remote clock offset: 10.73 ms

Below is generated by plot.py at 2018-06-05 07:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 104.686 ms

Loss rate: 0.05%

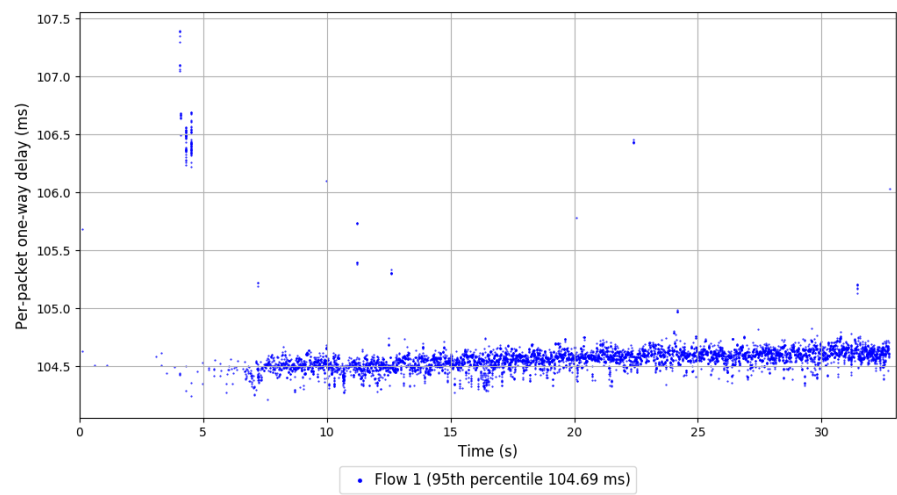
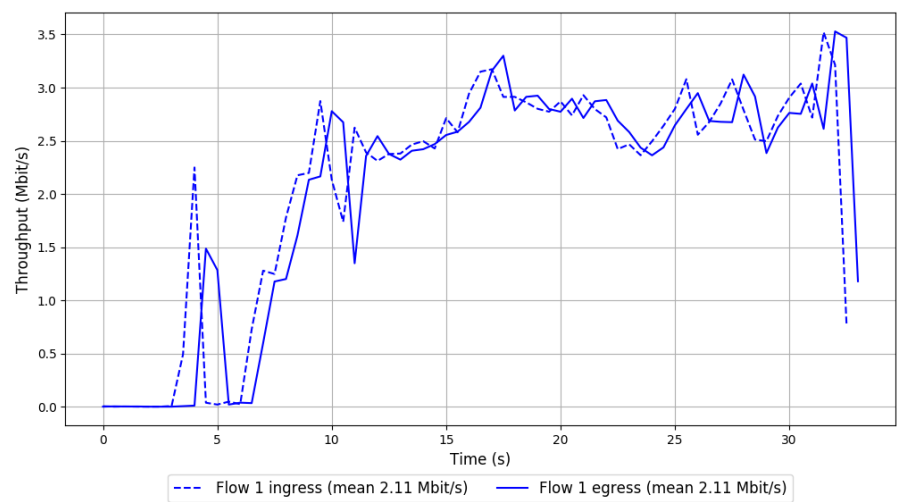
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 104.686 ms

Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-05 04:56:34

End at: 2018-06-05 04:57:04

Local clock offset: 16.532 ms

Remote clock offset: 6.036 ms

Below is generated by plot.py at 2018-06-05 07:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 105.493 ms

Loss rate: 0.00%

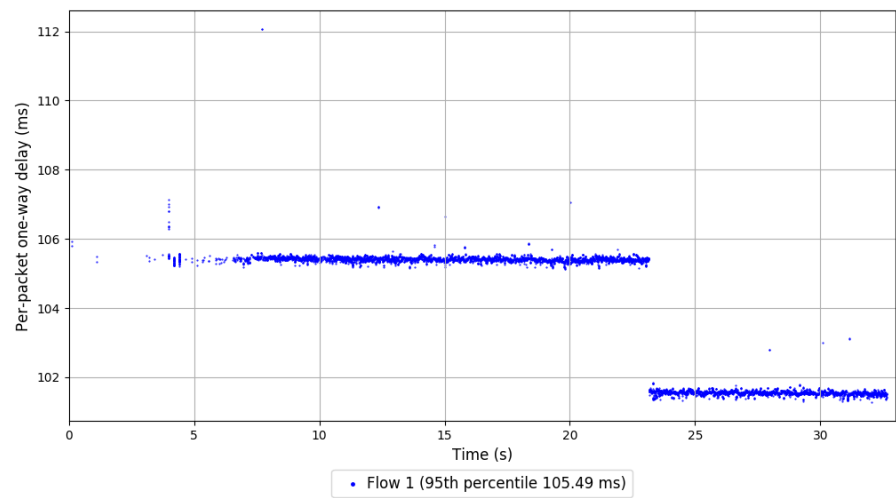
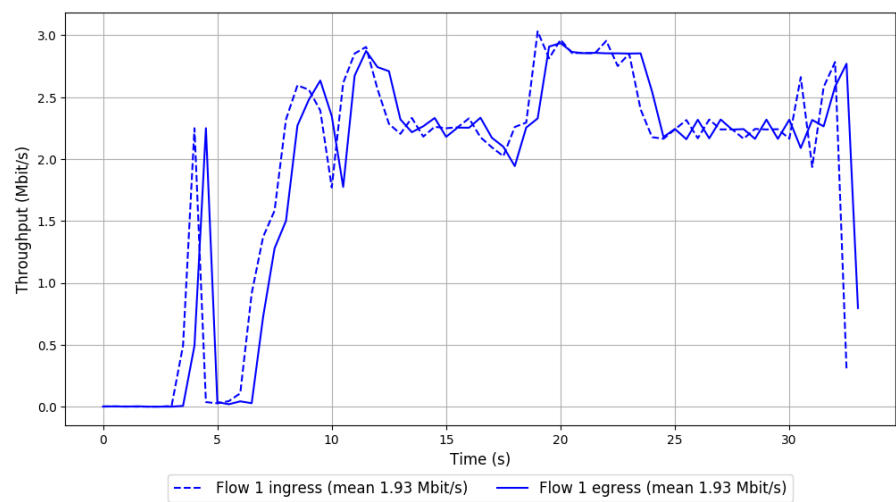
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 105.493 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-05 05:17:23

End at: 2018-06-05 05:17:53

Local clock offset: 6.638 ms

Remote clock offset: 4.63 ms

Below is generated by plot.py at 2018-06-05 07:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 113.034 ms

Loss rate: 0.00%

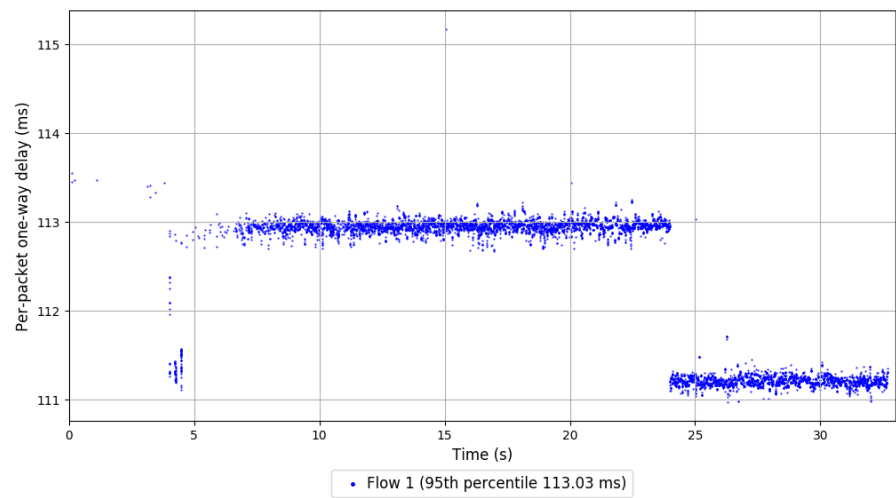
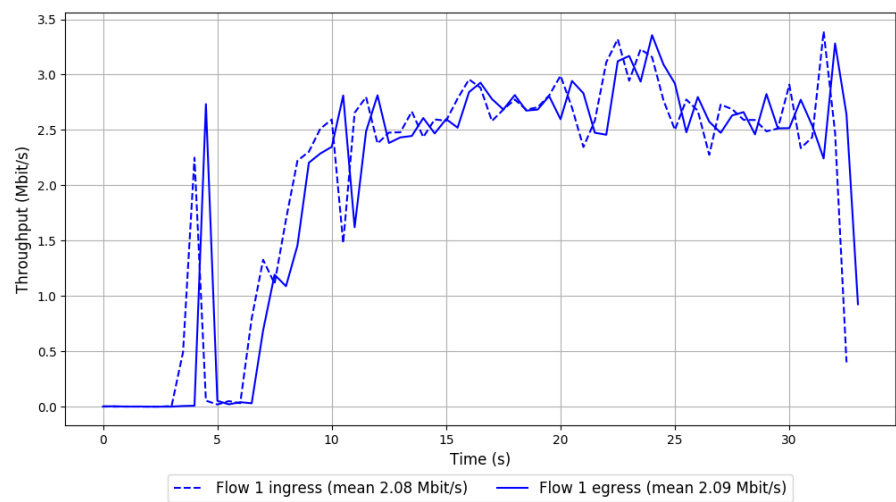
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 113.034 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-05 05:37:43

End at: 2018-06-05 05:38:13

Local clock offset: 2.364 ms

Remote clock offset: 2.316 ms

Below is generated by plot.py at 2018-06-05 07:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 112.825 ms

Loss rate: 0.00%

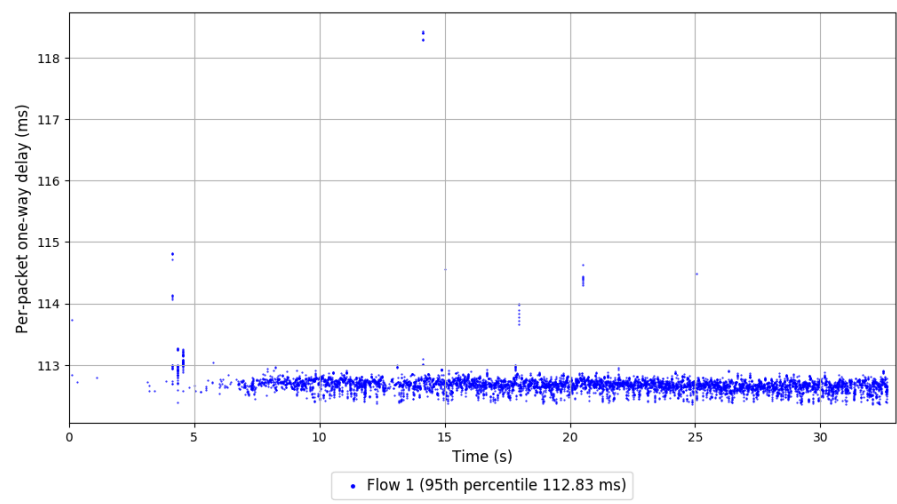
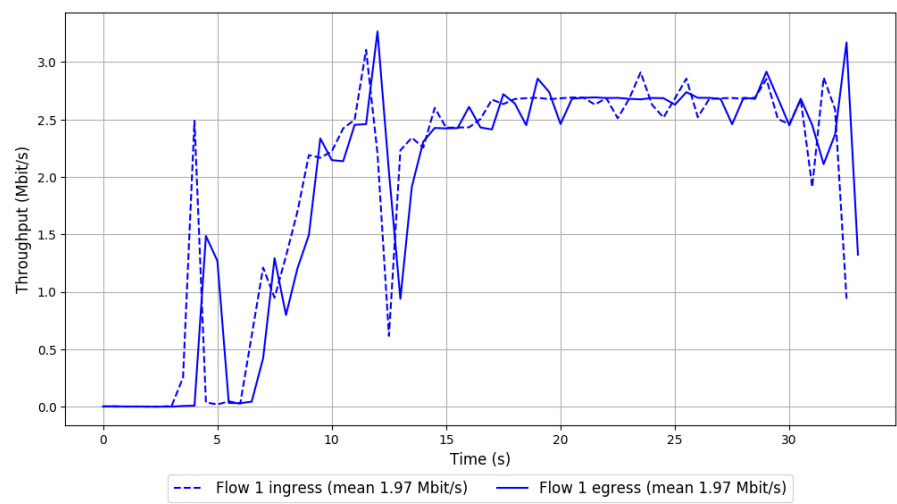
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 112.825 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-05 05:58:14

End at: 2018-06-05 05:58:44

Local clock offset: 1.548 ms

Remote clock offset: 1.92 ms

Below is generated by plot.py at 2018-06-05 07:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 112.757 ms

Loss rate: 0.00%

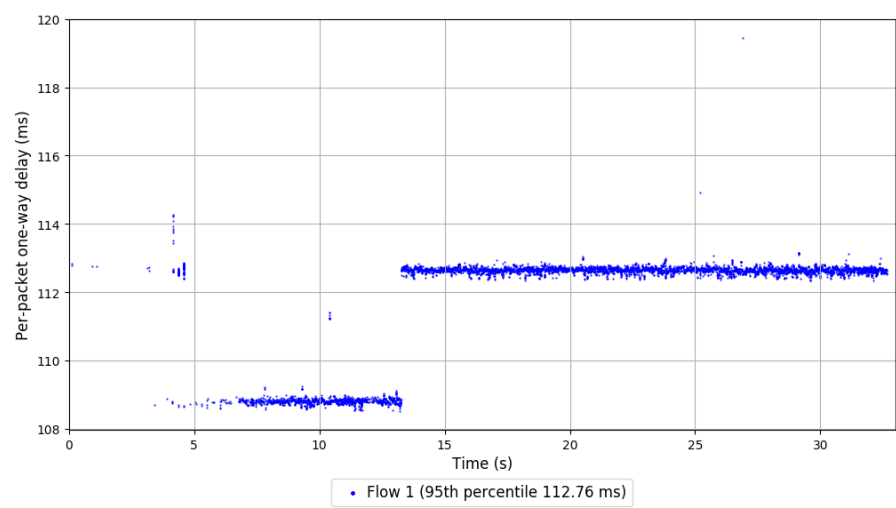
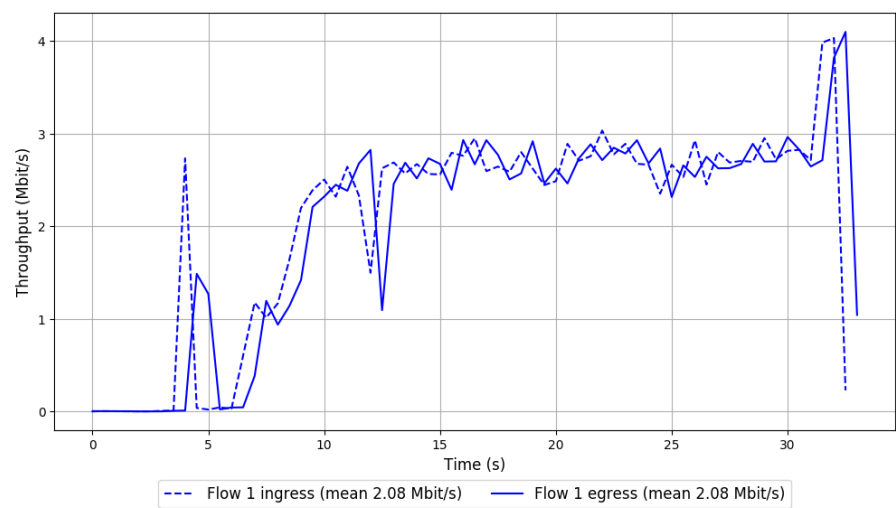
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 112.757 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 06:18:53

End at: 2018-06-05 06:19:23

Local clock offset: 0.407 ms

Remote clock offset: 1.265 ms

Below is generated by plot.py at 2018-06-05 07:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 113.170 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 113.170 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

