

Pantheon Report

Generated at 2018-06-06 01:23:57 (UTC).

Data path: Stanford Ethernet (*remote*) → AWS California 1 Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

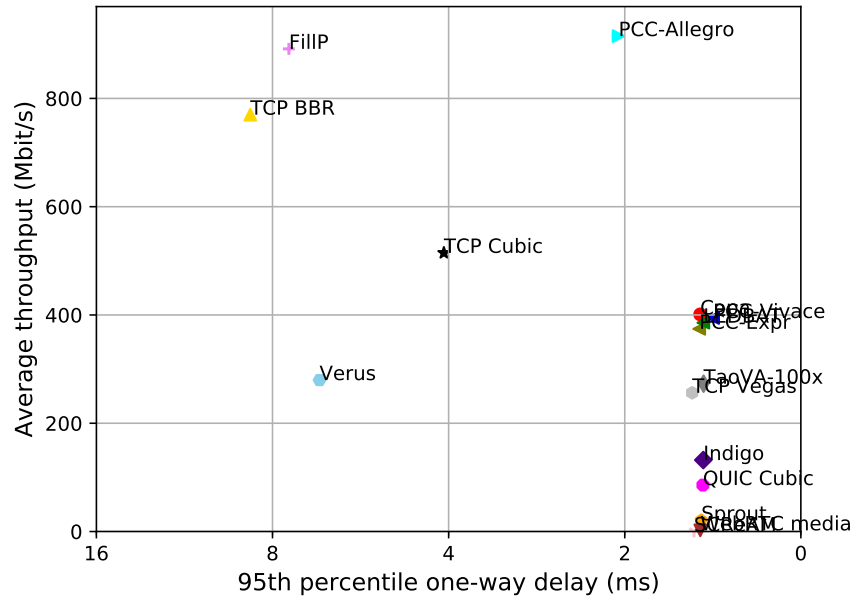
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

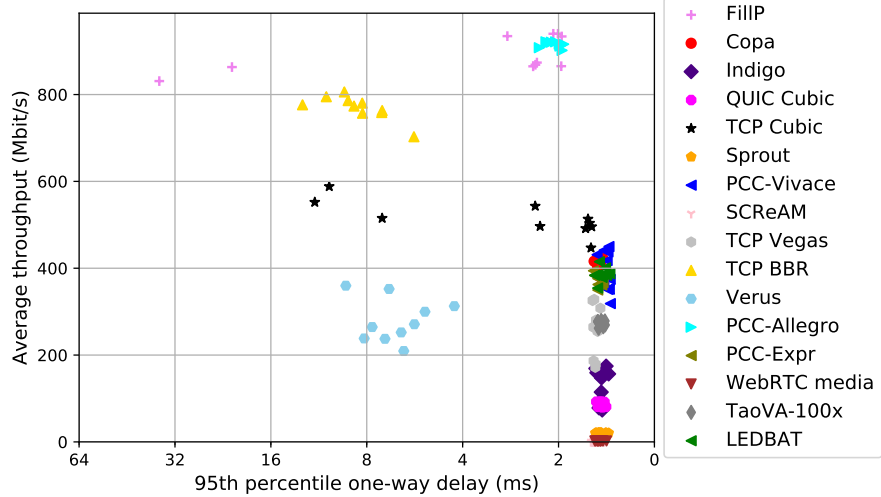
Git summary:

```
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-quic @ 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 Stanford to AWS California 1, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Stanford to AWS California 1, 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	769.91	8.73	0.08
Copa	10	401.03	1.14	0.07
TCP Cubic	10	514.66	4.08	0.07
FillP	10	891.52	7.50	0.29
Indigo	10	132.03	1.11	0.06
LEDBAT	10	385.71	1.11	0.07
PCC-Allegro	10	915.09	2.05	0.07
PCC-Expr	10	374.38	1.15	0.07
QUIC Cubic	10	85.83	1.11	0.07
SCReAM	10	0.22	1.21	0.09
Sprout	10	20.79	1.13	0.05
TaoVA-100x	10	273.05	1.10	0.06
TCP Vegas	10	256.25	1.23	0.05
Verus	10	279.72	6.65	0.11
PCC-Vivace	10	394.41	1.00	0.07
WebRTC media	10	2.12	1.14	0.07

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 19:51:30

End at: 2018-06-05 19:52:00

Local clock offset: 0.11 ms

Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-05 23:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 795.02 Mbit/s

95th percentile per-packet one-way delay: 10.716 ms

Loss rate: 0.09%

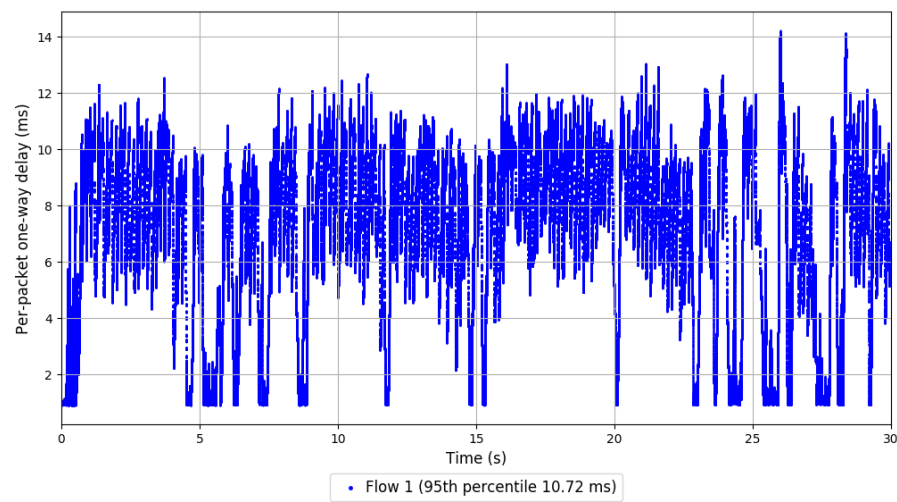
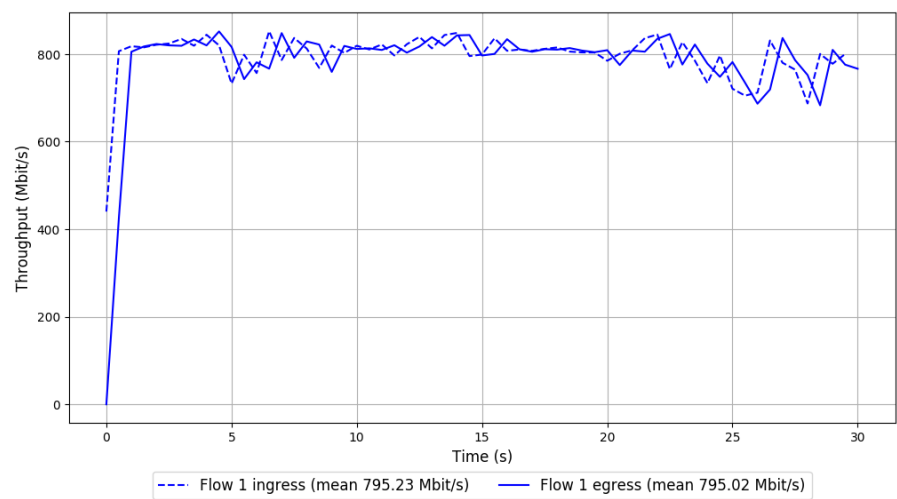
-- Flow 1:

Average throughput: 795.02 Mbit/s

95th percentile per-packet one-way delay: 10.716 ms

Loss rate: 0.09%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-05 20:15:44

End at: 2018-06-05 20:16:14

Local clock offset: -0.023 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-06-05 23:53:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 786.11 Mbit/s

95th percentile per-packet one-way delay: 9.151 ms

Loss rate: 0.07%

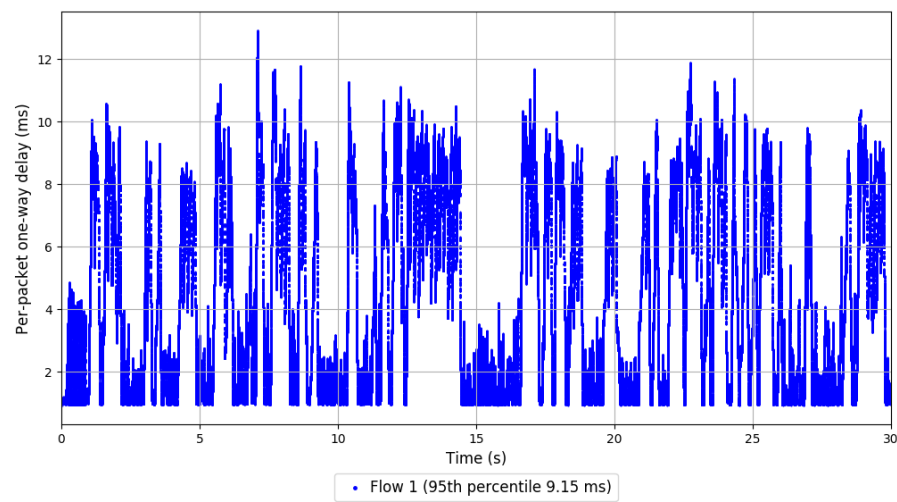
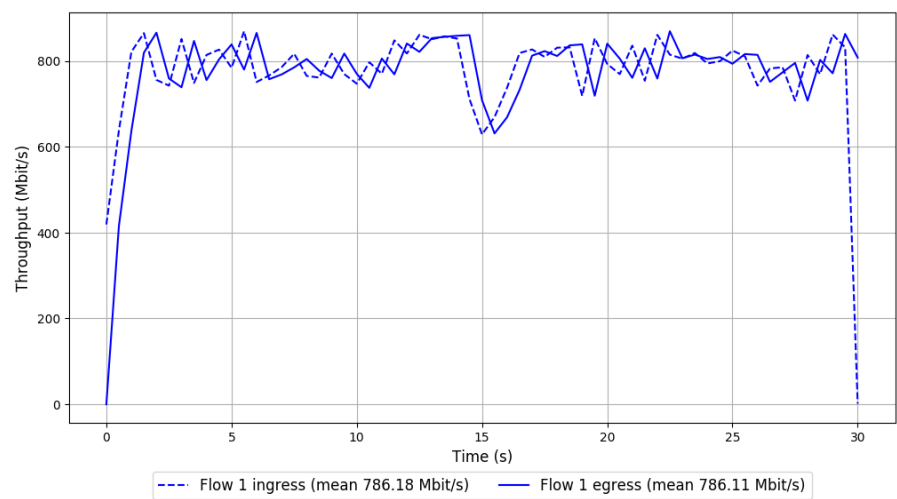
-- Flow 1:

Average throughput: 786.11 Mbit/s

95th percentile per-packet one-way delay: 9.151 ms

Loss rate: 0.07%

Run 2: Report of TCP BBR — Data Link

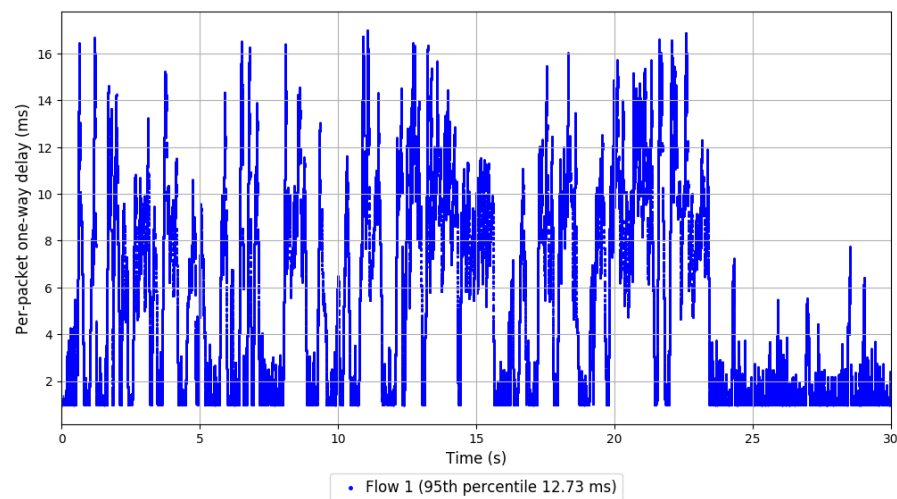
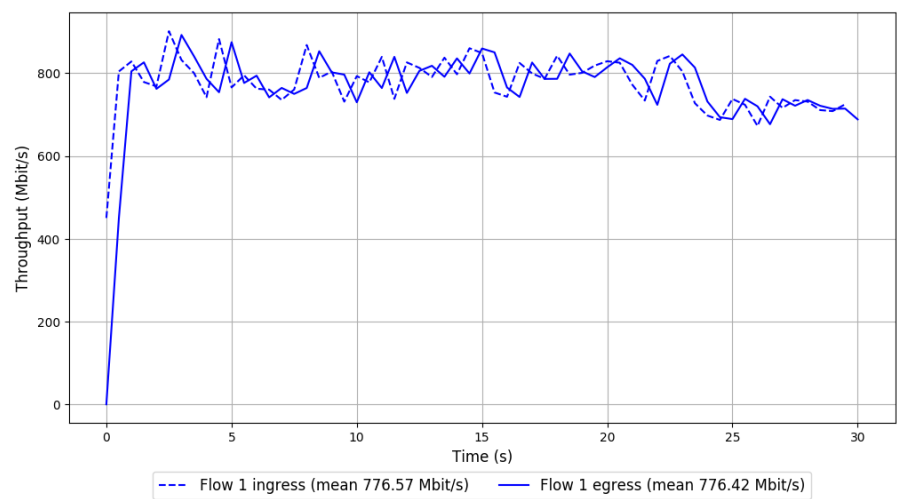


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 20:39:55
End at: 2018-06-05 20:40:25
Local clock offset: 0.443 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-05 23:53:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.42 Mbit/s
95th percentile per-packet one-way delay: 12.727 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 776.42 Mbit/s
95th percentile per-packet one-way delay: 12.727 ms
Loss rate: 0.08%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-05 21:04:01

End at: 2018-06-05 21:04:31

Local clock offset: 0.586 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2018-06-05 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 806.04 Mbit/s

95th percentile per-packet one-way delay: 9.407 ms

Loss rate: 0.10%

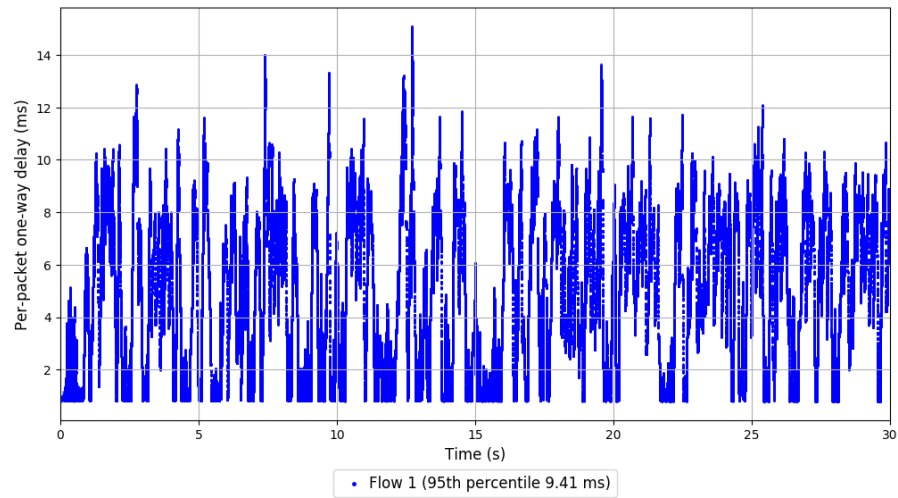
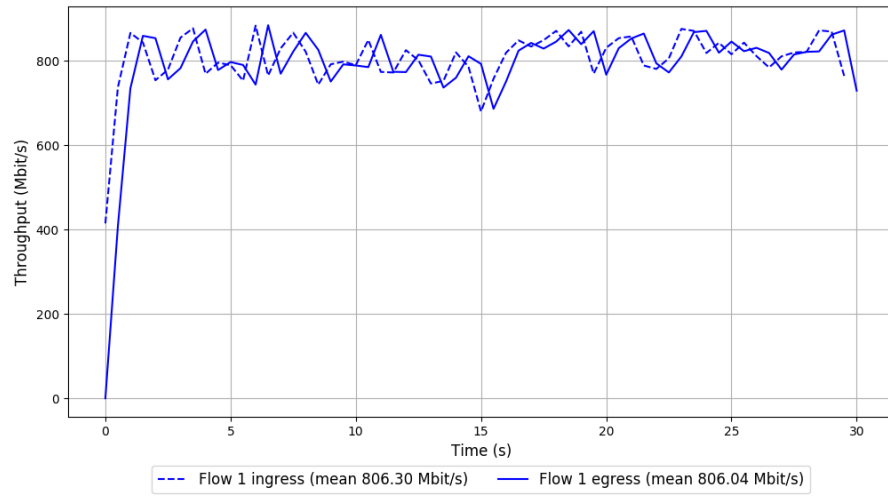
-- Flow 1:

Average throughput: 806.04 Mbit/s

95th percentile per-packet one-way delay: 9.407 ms

Loss rate: 0.10%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-05 21:28:06

End at: 2018-06-05 21:28:36

Local clock offset: 0.417 ms

Remote clock offset: -2.027 ms

Below is generated by plot.py at 2018-06-05 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 773.53 Mbit/s

95th percentile per-packet one-way delay: 8.773 ms

Loss rate: 0.09%

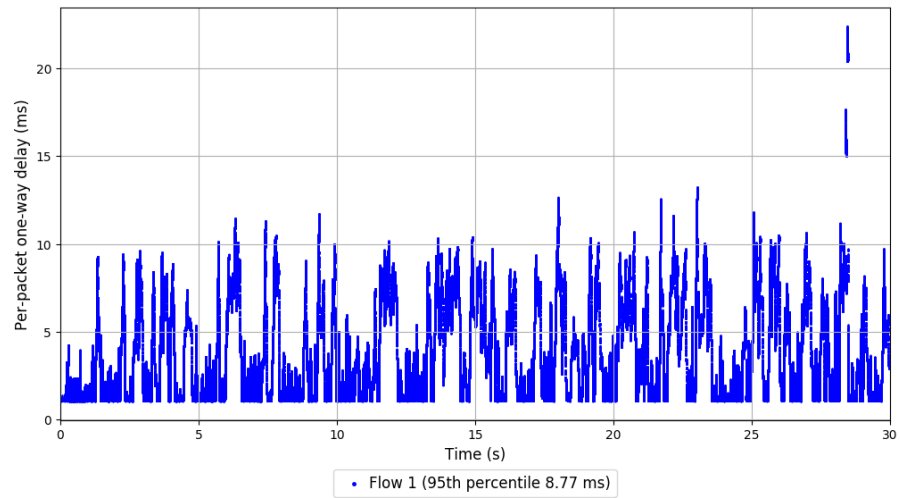
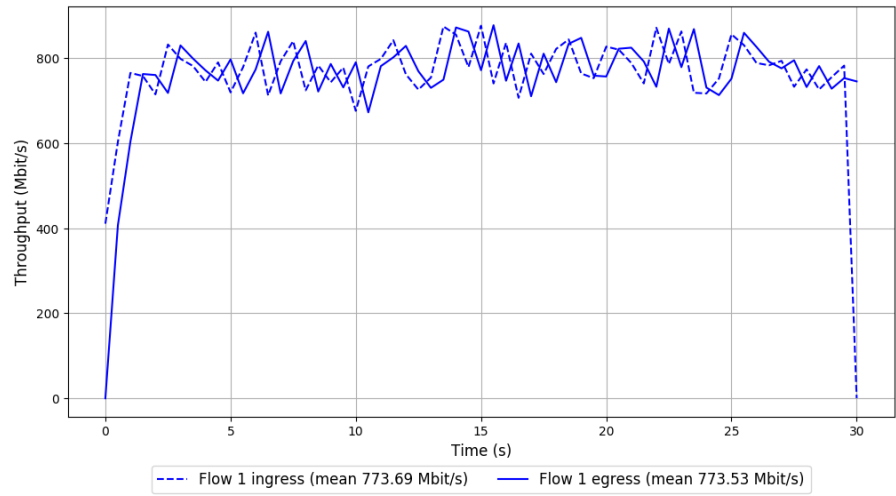
-- Flow 1:

Average throughput: 773.53 Mbit/s

95th percentile per-packet one-way delay: 8.773 ms

Loss rate: 0.09%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-05 21:52:18

End at: 2018-06-05 21:52:48

Local clock offset: 0.075 ms

Remote clock offset: -2.42 ms

Below is generated by plot.py at 2018-06-05 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.64 Mbit/s

95th percentile per-packet one-way delay: 7.180 ms

Loss rate: 0.08%

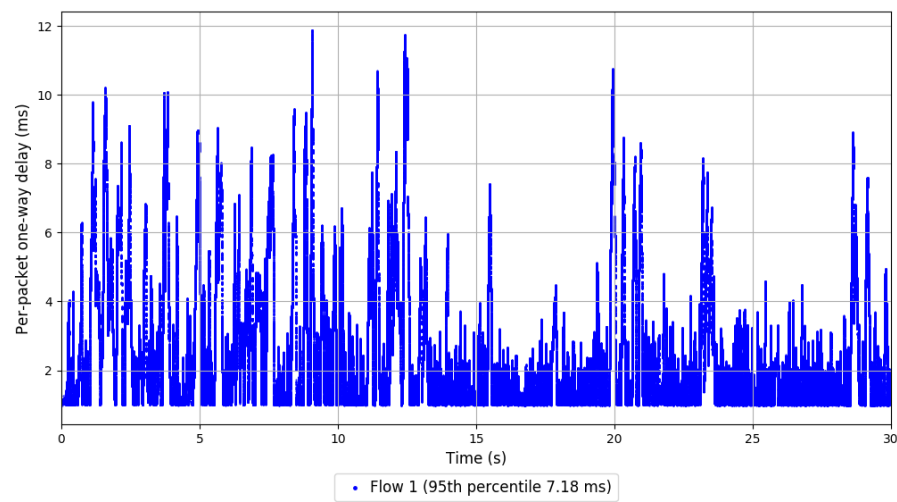
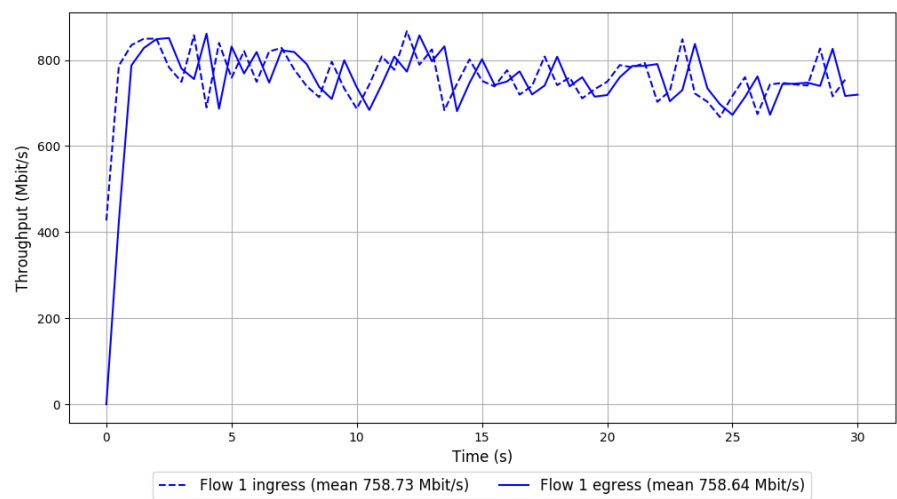
-- Flow 1:

Average throughput: 758.64 Mbit/s

95th percentile per-packet one-way delay: 7.180 ms

Loss rate: 0.08%

Run 6: Report of TCP BBR — Data Link

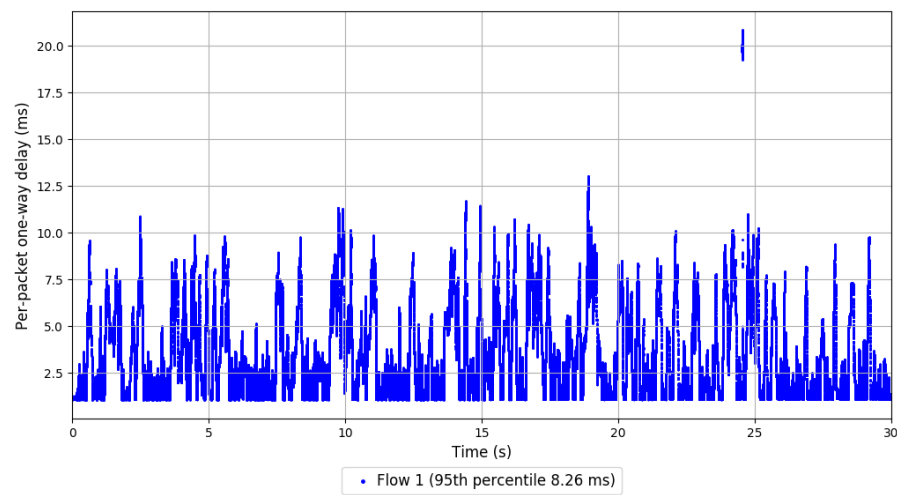
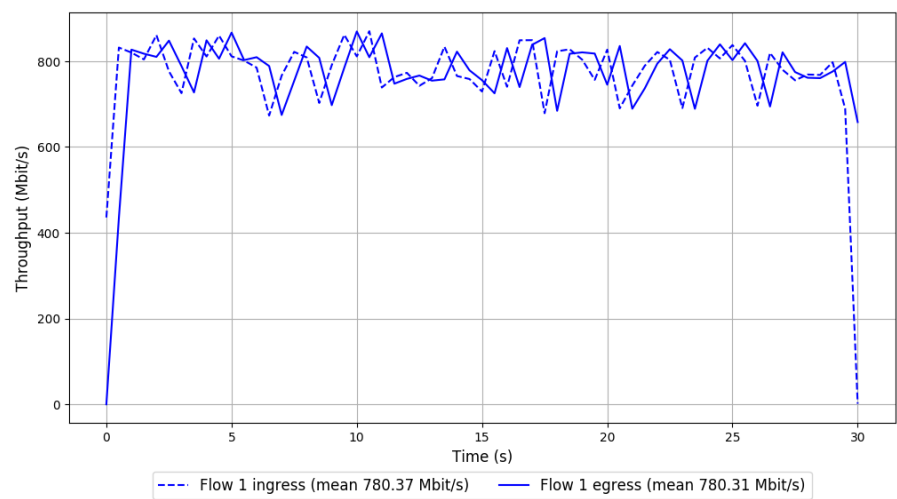


Run 7: Statistics of TCP BBR

Start at: 2018-06-05 22:16:29
End at: 2018-06-05 22:16:59
Local clock offset: 0.186 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-05 23:53:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 780.31 Mbit/s
95th percentile per-packet one-way delay: 8.264 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 780.31 Mbit/s
95th percentile per-packet one-way delay: 8.264 ms
Loss rate: 0.07%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-05 22:40:42

End at: 2018-06-05 22:41:12

Local clock offset: 0.361 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2018-06-05 23:53:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 757.01 Mbit/s

95th percentile per-packet one-way delay: 8.248 ms

Loss rate: 0.07%

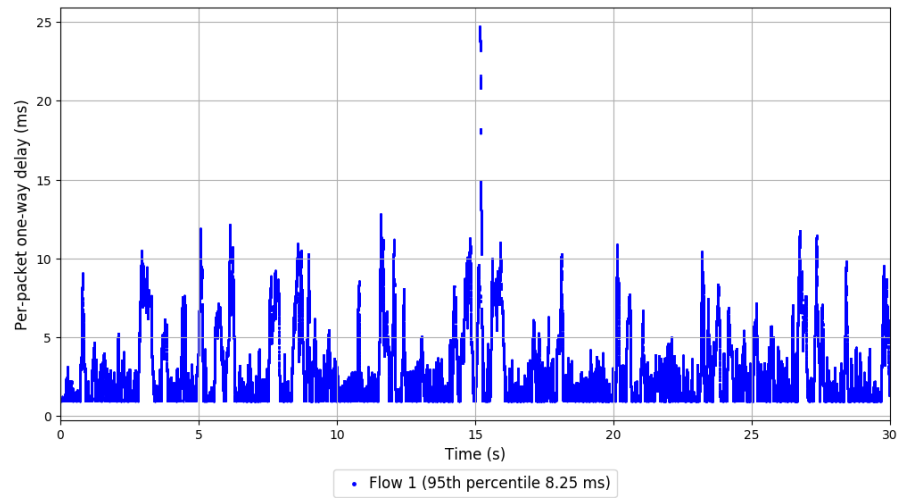
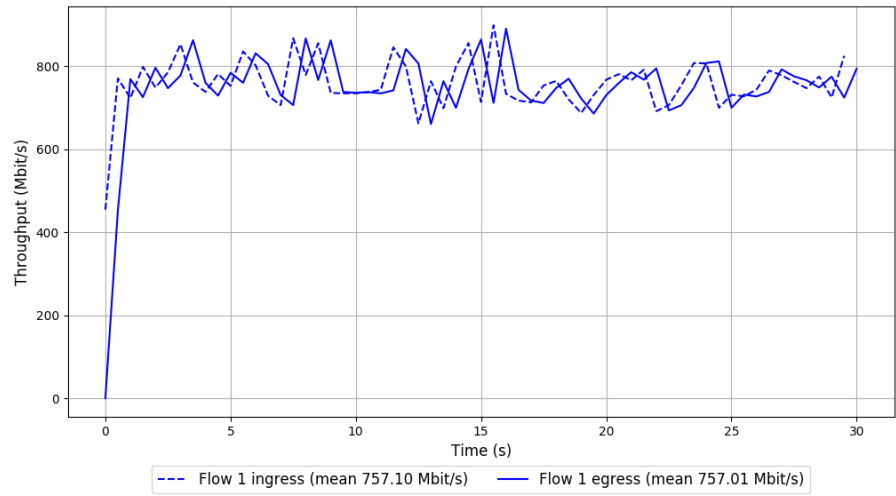
-- Flow 1:

Average throughput: 757.01 Mbit/s

95th percentile per-packet one-way delay: 8.248 ms

Loss rate: 0.07%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-05 23:04:43

End at: 2018-06-05 23:05:13

Local clock offset: 0.518 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-06-06 00:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 763.20 Mbit/s

95th percentile per-packet one-way delay: 7.157 ms

Loss rate: 0.08%

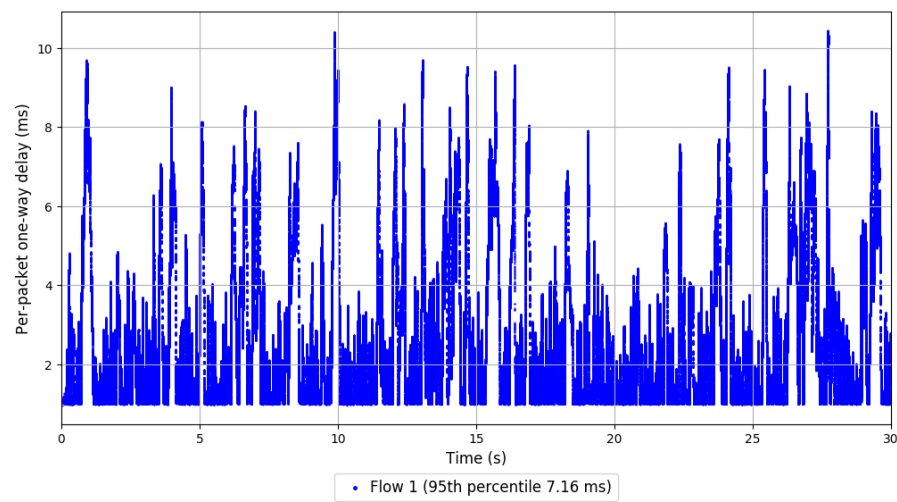
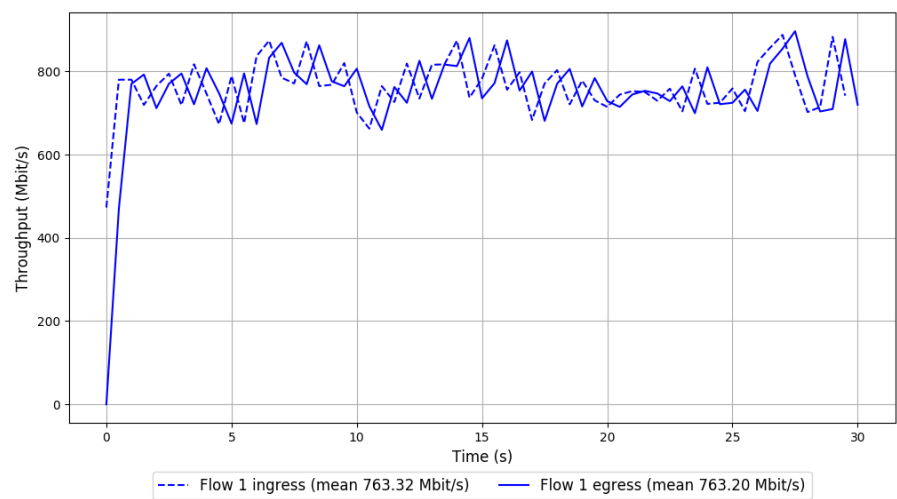
-- Flow 1:

Average throughput: 763.20 Mbit/s

95th percentile per-packet one-way delay: 7.157 ms

Loss rate: 0.08%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-05 23:28:52

End at: 2018-06-05 23:29:22

Local clock offset: 0.14 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-06 00:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 702.86 Mbit/s

95th percentile per-packet one-way delay: 5.688 ms

Loss rate: 0.08%

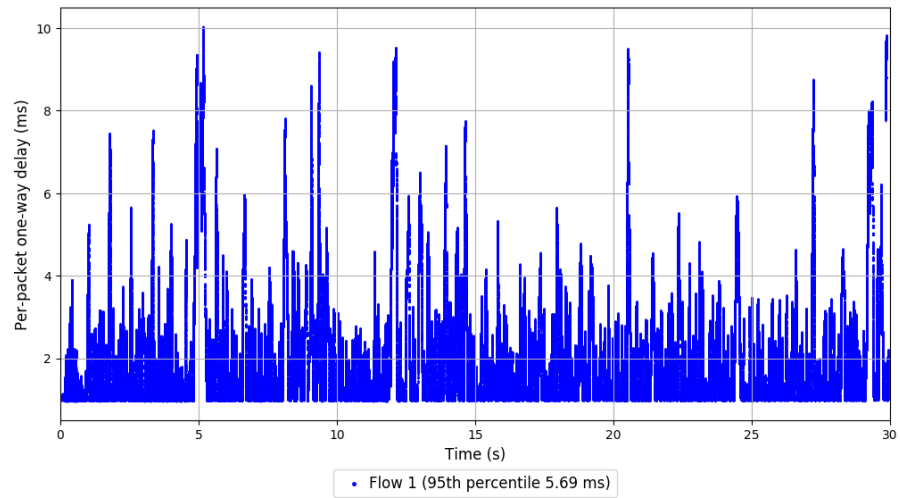
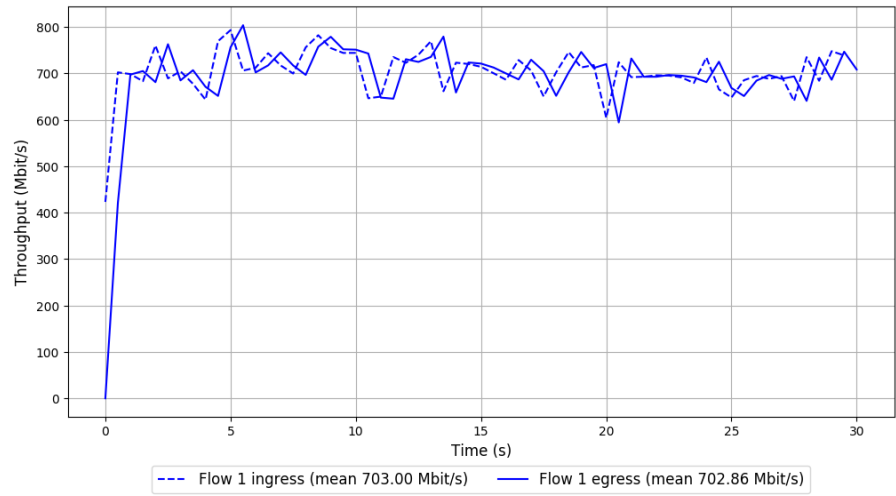
-- Flow 1:

Average throughput: 702.86 Mbit/s

95th percentile per-packet one-way delay: 5.688 ms

Loss rate: 0.08%

Run 10: Report of TCP BBR — Data Link

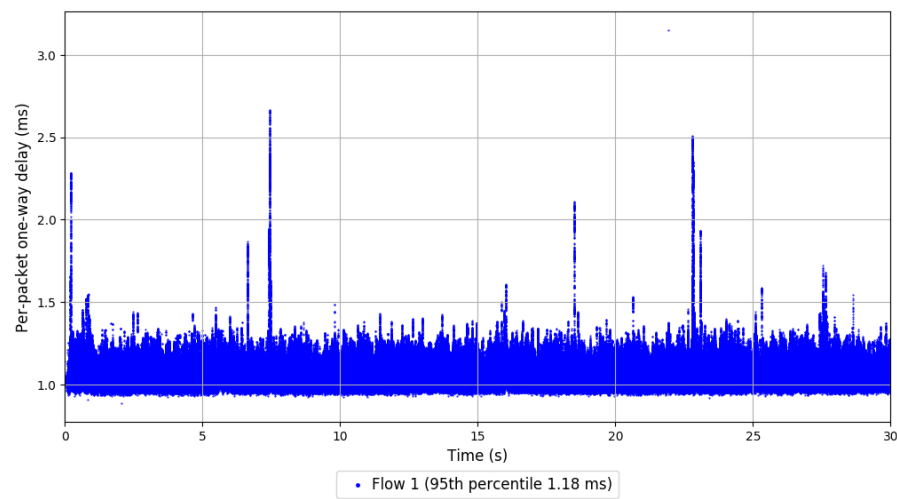
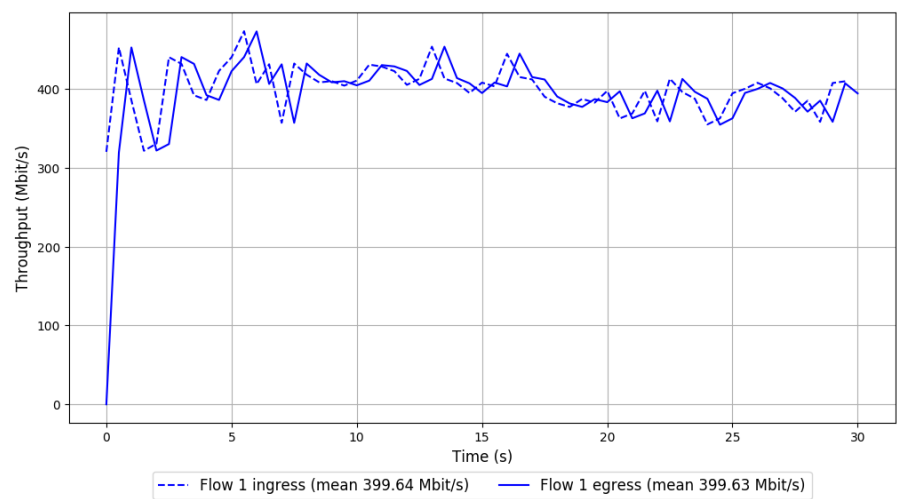


Run 1: Statistics of Copa

Start at: 2018-06-05 19:34:57
End at: 2018-06-05 19:35:27
Local clock offset: 0.223 ms
Remote clock offset: -0.388 ms

Below is generated by plot.py at 2018-06-06 00:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.63 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 399.63 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.07%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-05 19:59:11

End at: 2018-06-05 19:59:41

Local clock offset: -0.031 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-06-06 00:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 379.22 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 0.07%

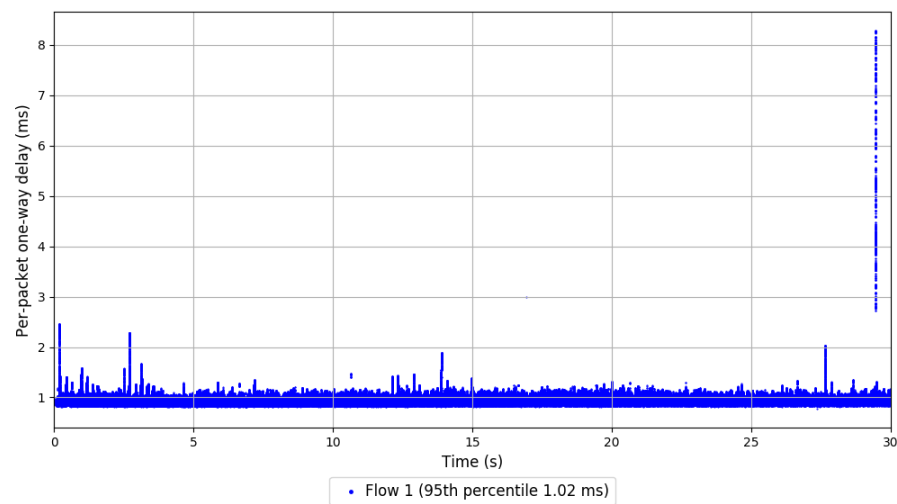
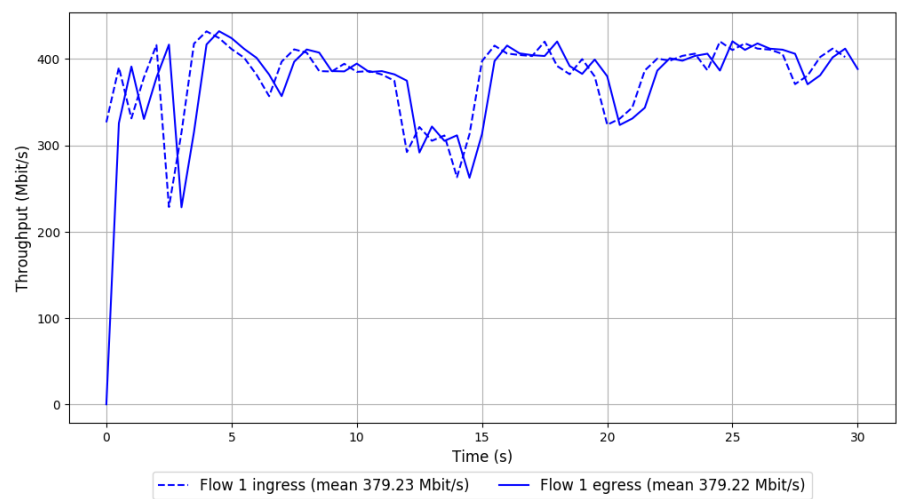
-- Flow 1:

Average throughput: 379.22 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 0.07%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-05 20:23:23

End at: 2018-06-05 20:23:53

Local clock offset: 0.109 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-06 00:01:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.71 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.07%

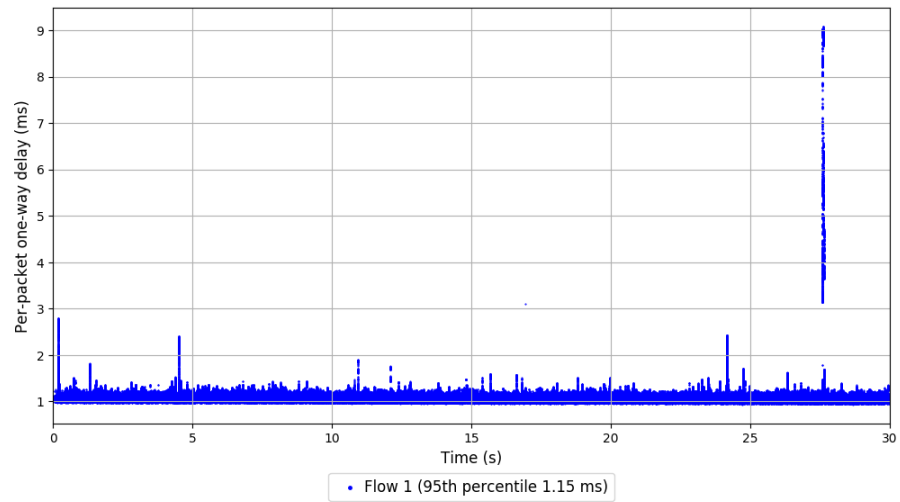
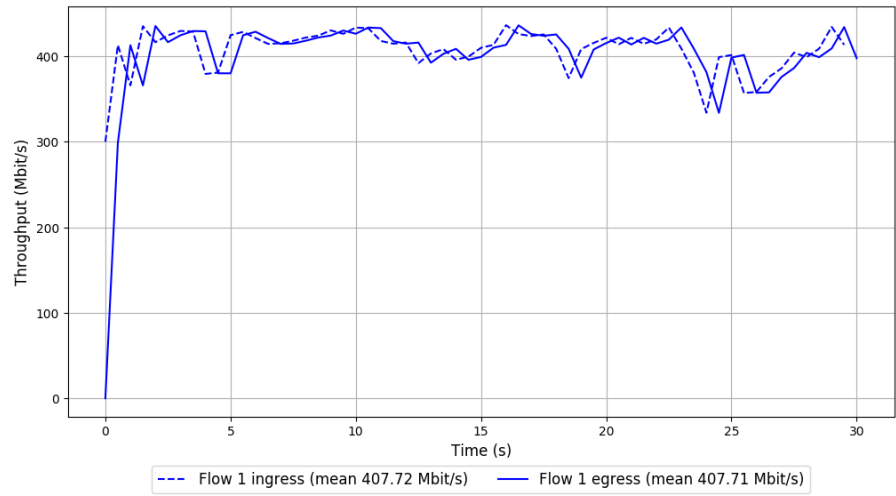
-- Flow 1:

Average throughput: 407.71 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.07%

Run 3: Report of Copa — Data Link

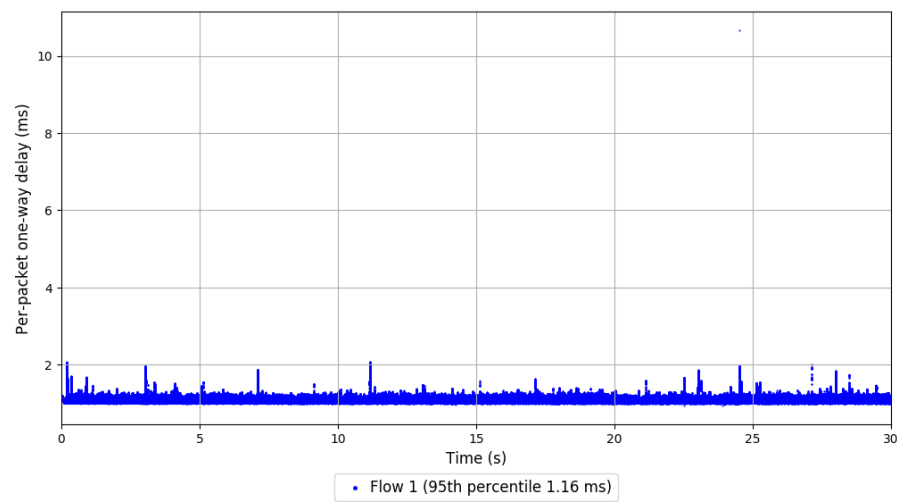
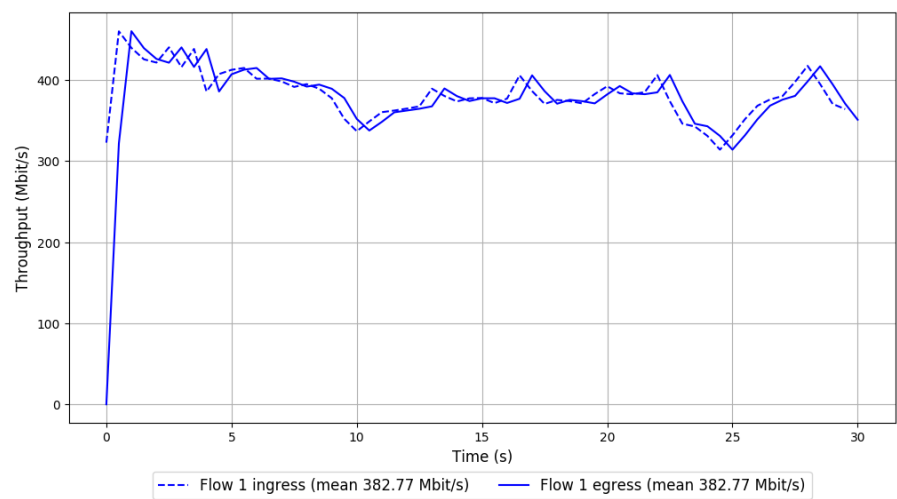


Run 4: Statistics of Copa

Start at: 2018-06-05 20:47:37
End at: 2018-06-05 20:48:07
Local clock offset: 0.494 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-06 00:01:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.77 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 382.77 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.06%

Run 4: Report of Copa — Data Link

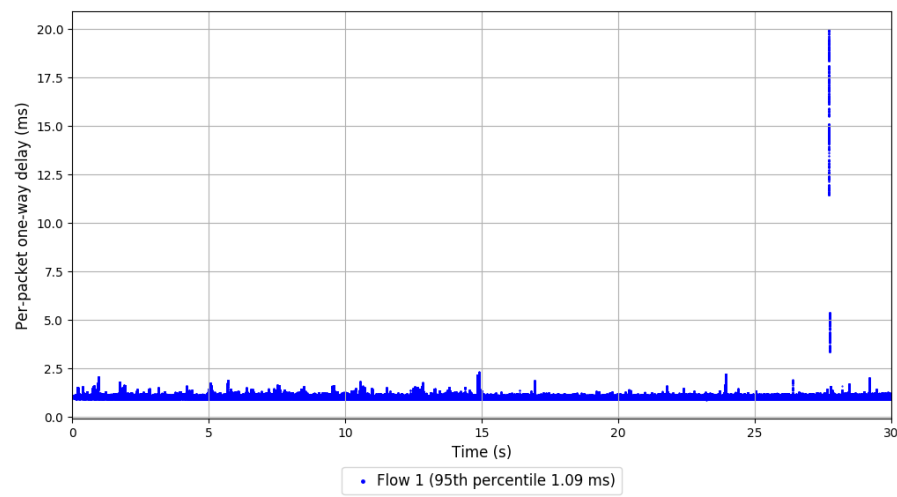
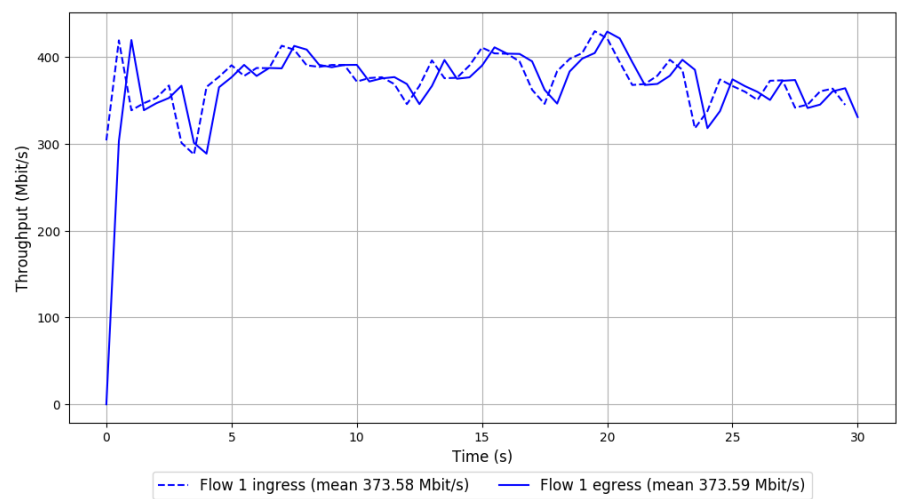


Run 5: Statistics of Copa

Start at: 2018-06-05 21:11:38
End at: 2018-06-05 21:12:08
Local clock offset: 0.749 ms
Remote clock offset: -1.604 ms

Below is generated by plot.py at 2018-06-06 00:01:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 373.59 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 373.59 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.07%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-05 21:35:48

End at: 2018-06-05 21:36:18

Local clock offset: 0.2 ms

Remote clock offset: -2.126 ms

Below is generated by plot.py at 2018-06-06 00:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.23 Mbit/s

95th percentile per-packet one-way delay: 1.182 ms

Loss rate: 0.07%

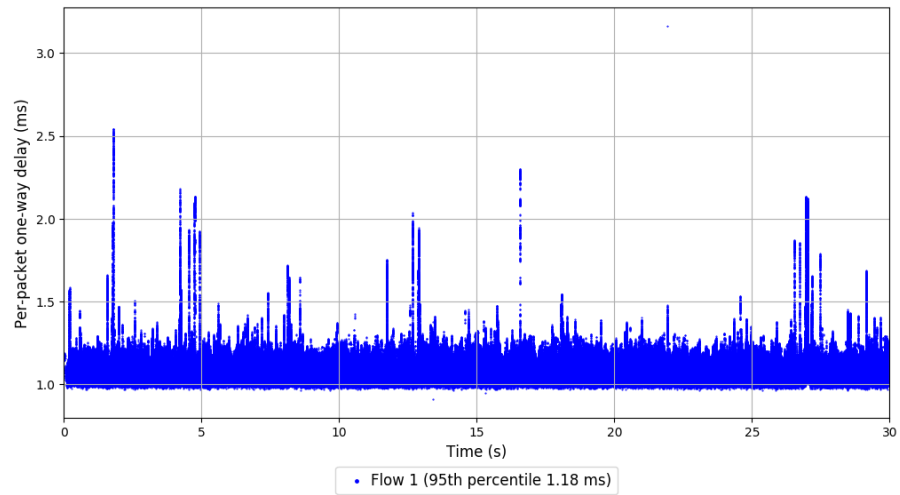
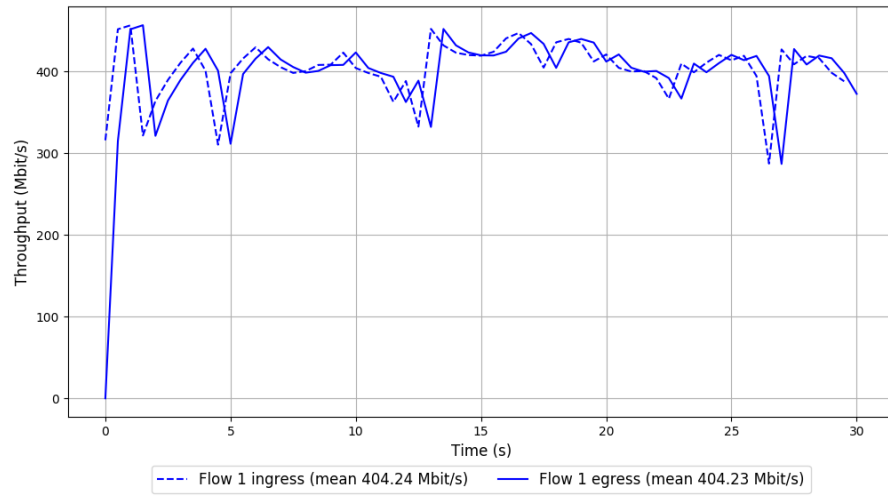
-- Flow 1:

Average throughput: 404.23 Mbit/s

95th percentile per-packet one-way delay: 1.182 ms

Loss rate: 0.07%

Run 6: Report of Copa — Data Link

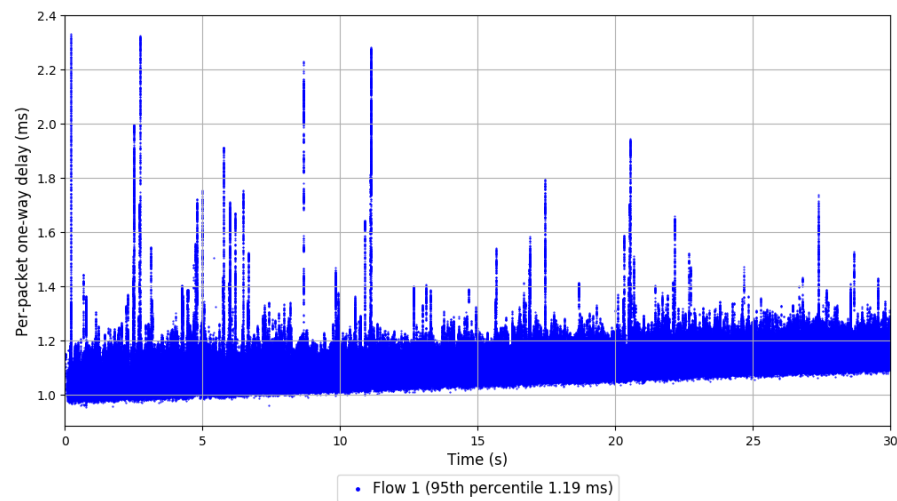
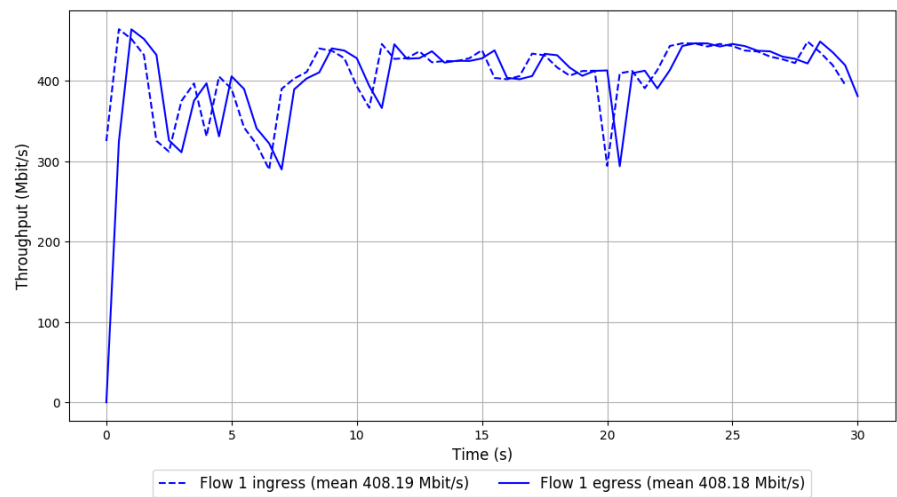


Run 7: Statistics of Copa

Start at: 2018-06-05 21:59:55
End at: 2018-06-05 22:00:25
Local clock offset: 0.07 ms
Remote clock offset: -2.121 ms

Below is generated by plot.py at 2018-06-06 00:09:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 408.18 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 408.18 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.06%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-05 22:24:10

End at: 2018-06-05 22:24:40

Local clock offset: 0.251 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-06-06 00:09:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 413.87 Mbit/s

95th percentile per-packet one-way delay: 1.118 ms

Loss rate: 0.07%

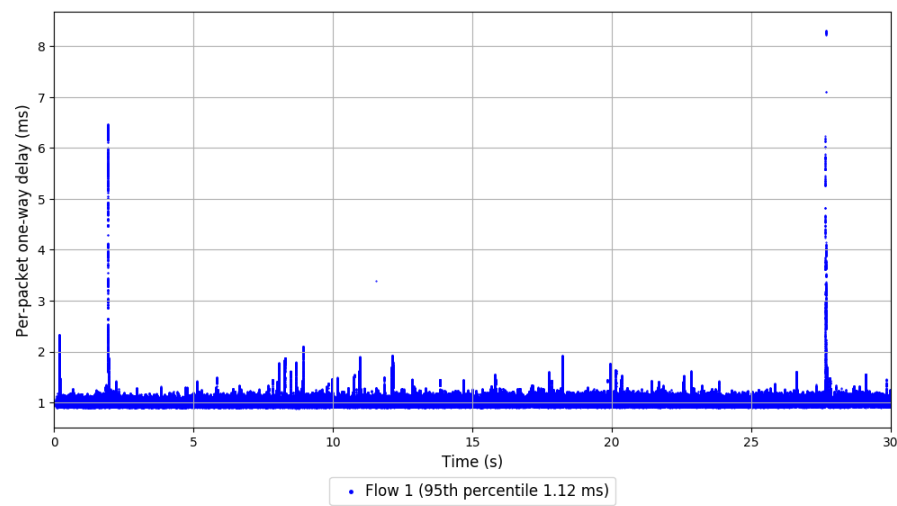
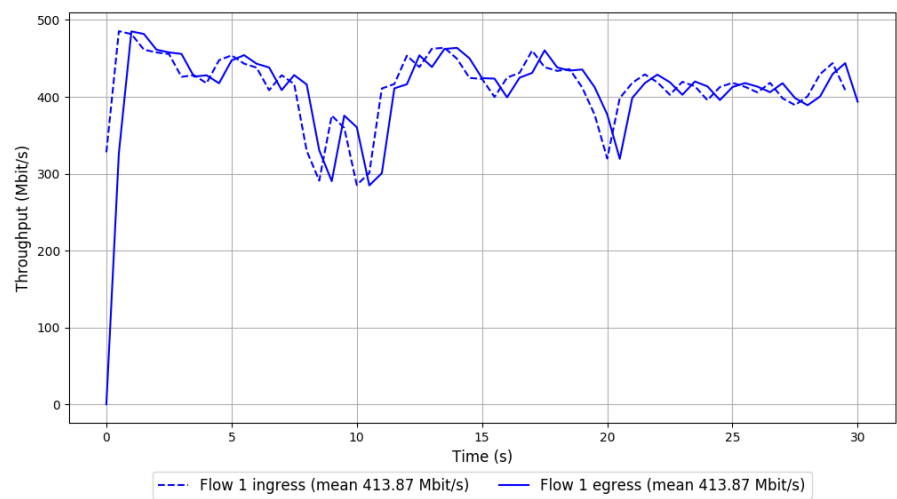
-- Flow 1:

Average throughput: 413.87 Mbit/s

95th percentile per-packet one-way delay: 1.118 ms

Loss rate: 0.07%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-05 22:48:15

End at: 2018-06-05 22:48:45

Local clock offset: 0.357 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-06-06 00:09:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.08 Mbit/s

95th percentile per-packet one-way delay: 1.258 ms

Loss rate: 0.09%

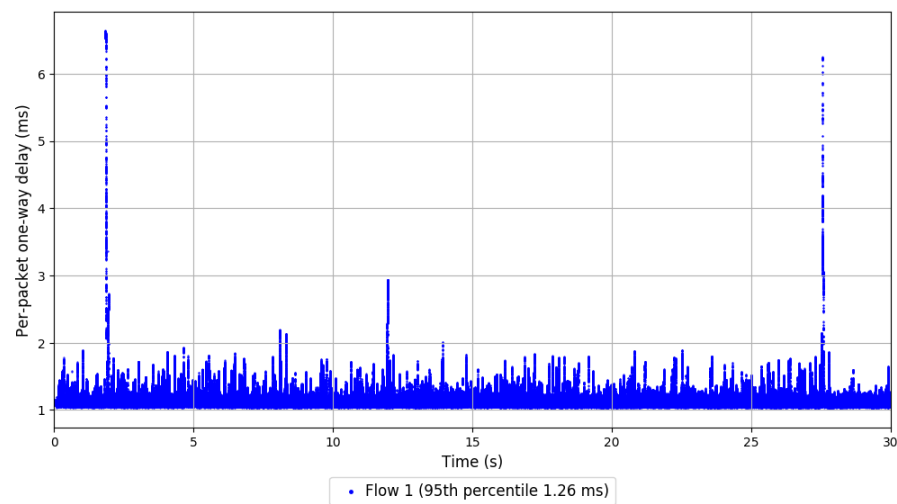
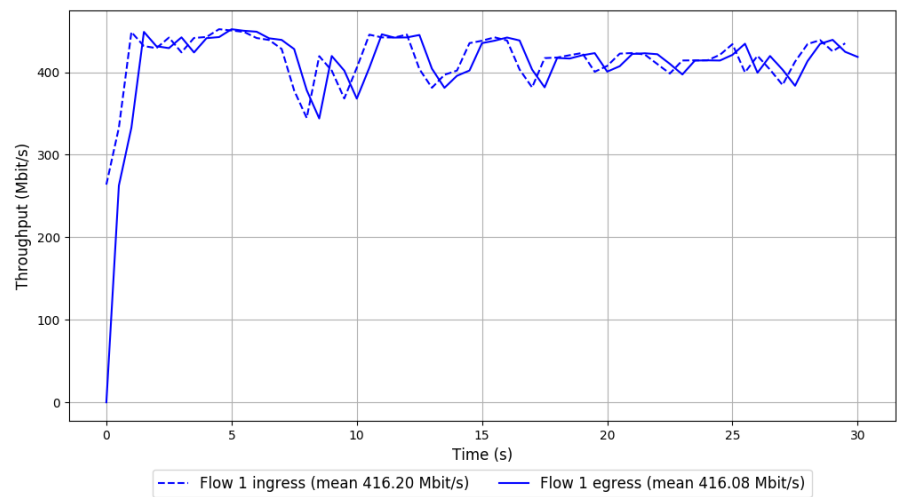
-- Flow 1:

Average throughput: 416.08 Mbit/s

95th percentile per-packet one-way delay: 1.258 ms

Loss rate: 0.09%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-05 23:12:21

End at: 2018-06-05 23:12:51

Local clock offset: 0.487 ms

Remote clock offset: 0.138 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.03 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.07%

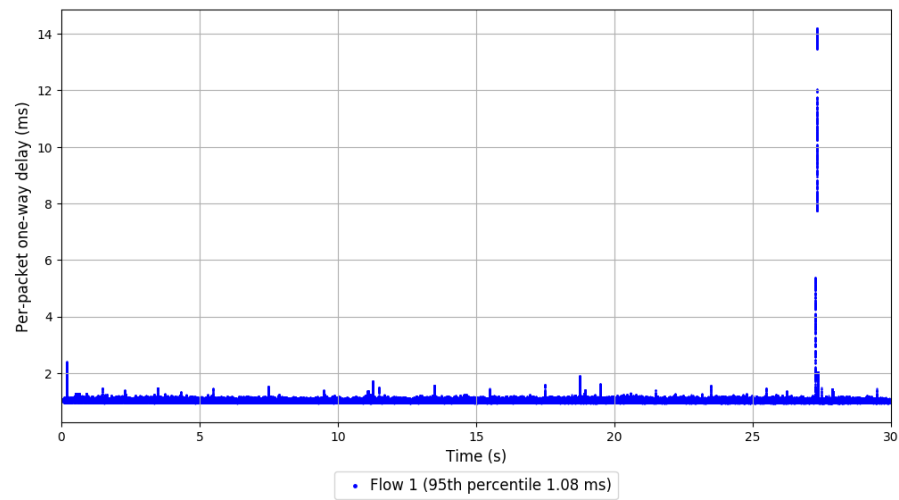
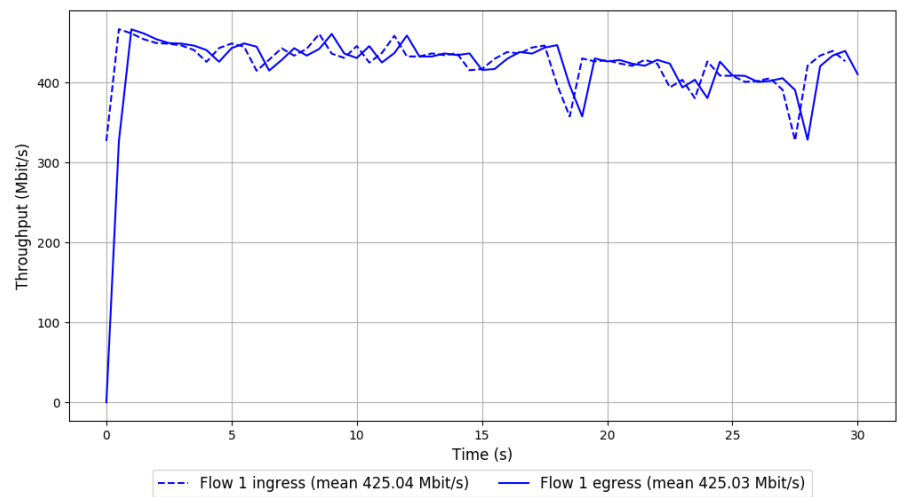
-- Flow 1:

Average throughput: 425.03 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.07%

Run 10: Report of Copa — Data Link

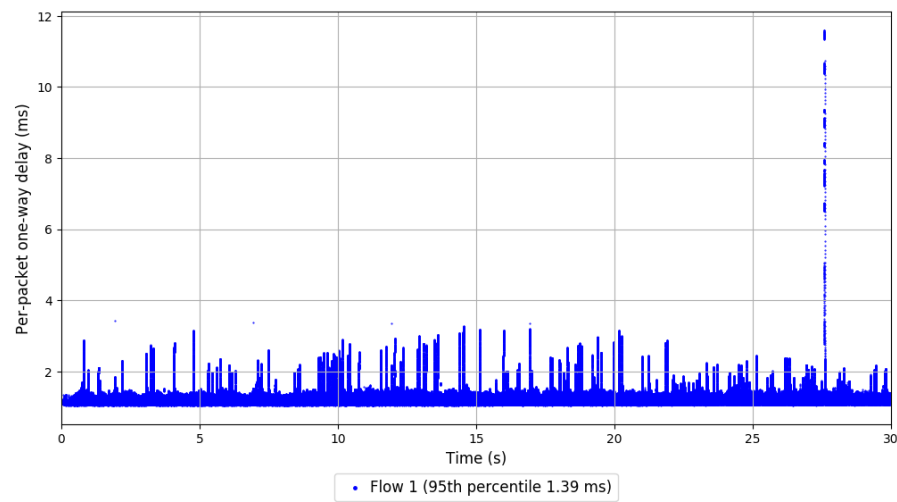
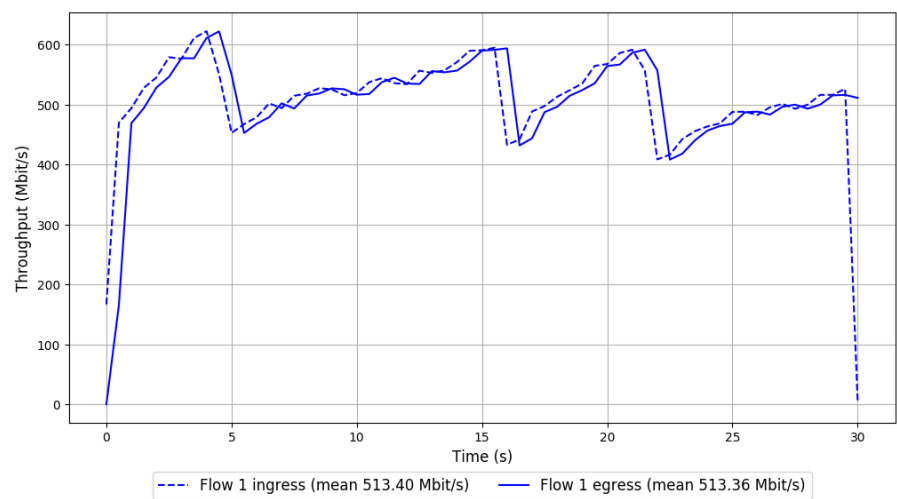


Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 19:32:06
End at: 2018-06-05 19:32:36
Local clock offset: 0.387 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-06-06 00:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 513.36 Mbit/s
95th percentile per-packet one-way delay: 1.385 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 513.36 Mbit/s
95th percentile per-packet one-way delay: 1.385 ms
Loss rate: 0.07%

Run 1: Report of TCP Cubic — Data Link

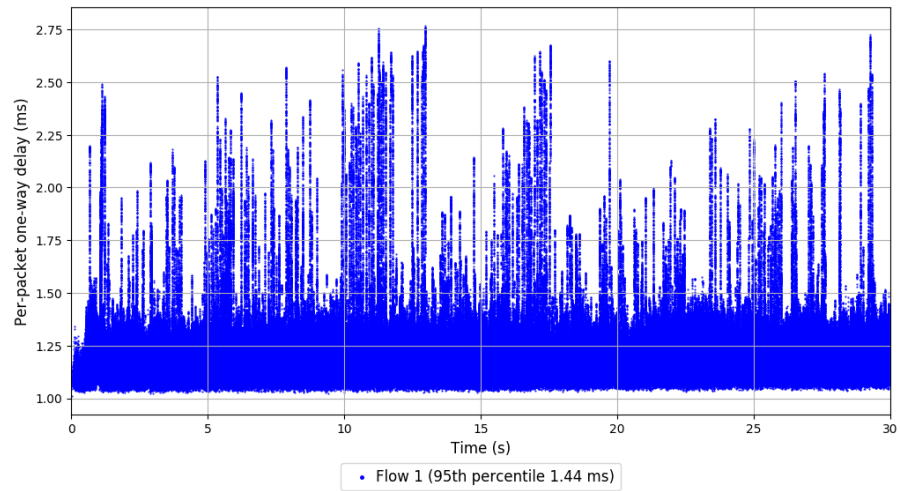
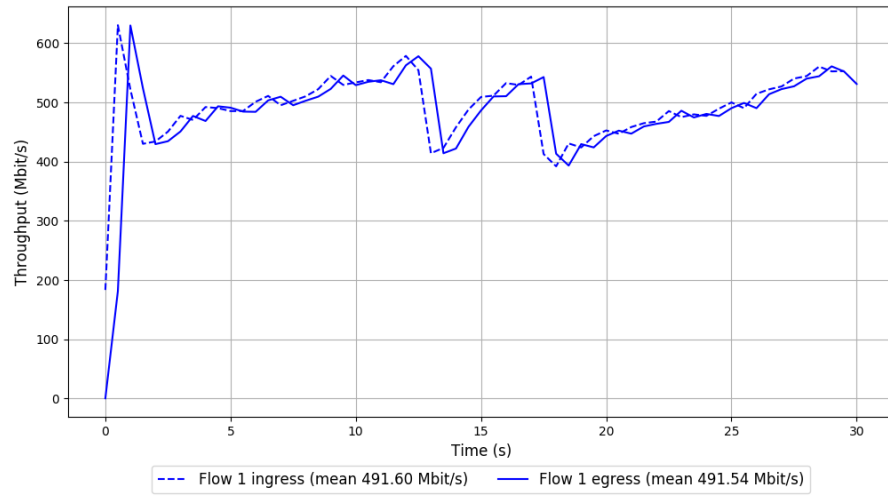


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 19:56:21
End at: 2018-06-05 19:56:51
Local clock offset: 0.093 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-06 00:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 491.54 Mbit/s
95th percentile per-packet one-way delay: 1.435 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 491.54 Mbit/s
95th percentile per-packet one-way delay: 1.435 ms
Loss rate: 0.08%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 20:20:30

End at: 2018-06-05 20:21:00

Local clock offset: -0.101 ms

Remote clock offset: 0.06 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 588.29 Mbit/s

95th percentile per-packet one-way delay: 10.493 ms

Loss rate: 0.06%

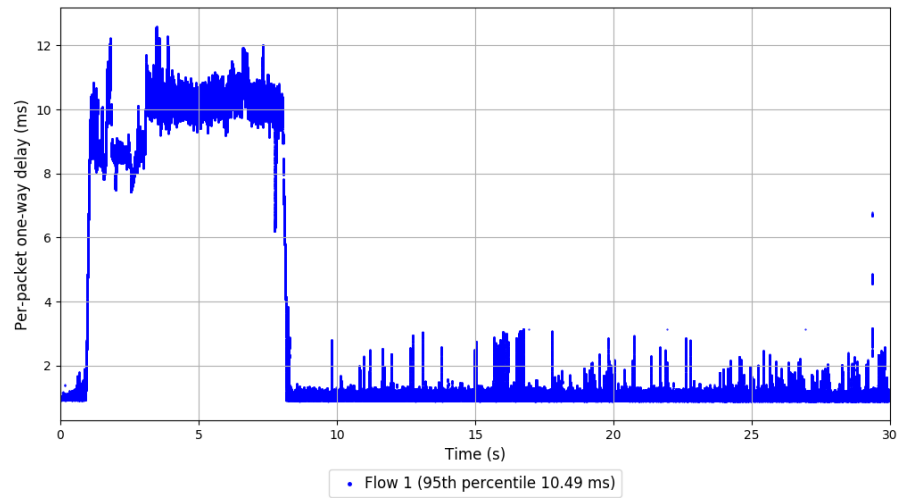
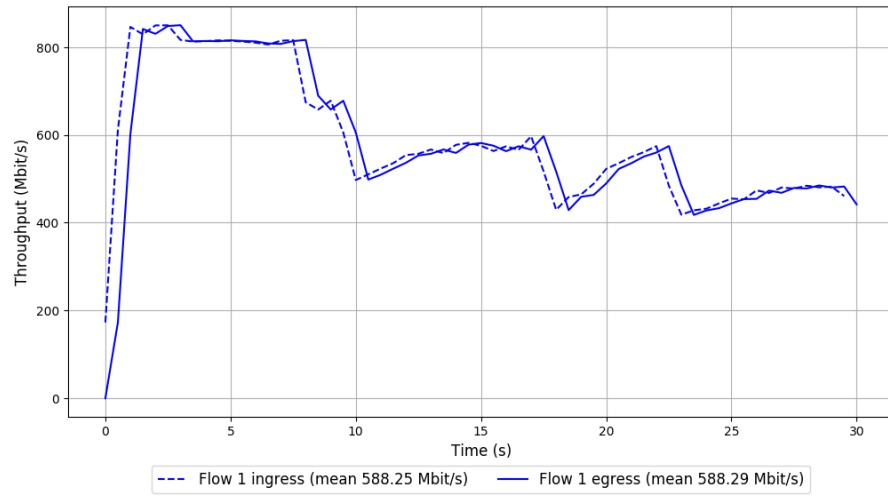
-- Flow 1:

Average throughput: 588.29 Mbit/s

95th percentile per-packet one-way delay: 10.493 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 20:44:45

End at: 2018-06-05 20:45:15

Local clock offset: 0.504 ms

Remote clock offset: 0.017 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.13 Mbit/s

95th percentile per-packet one-way delay: 2.367 ms

Loss rate: 0.06%

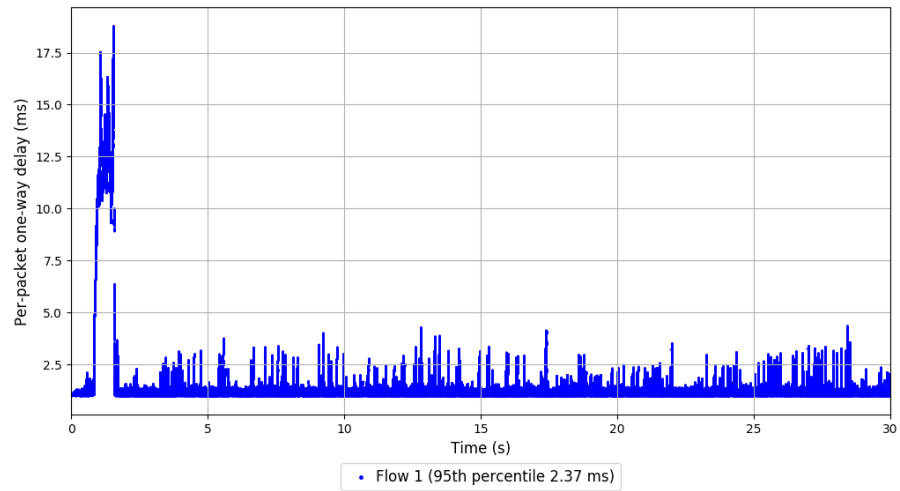
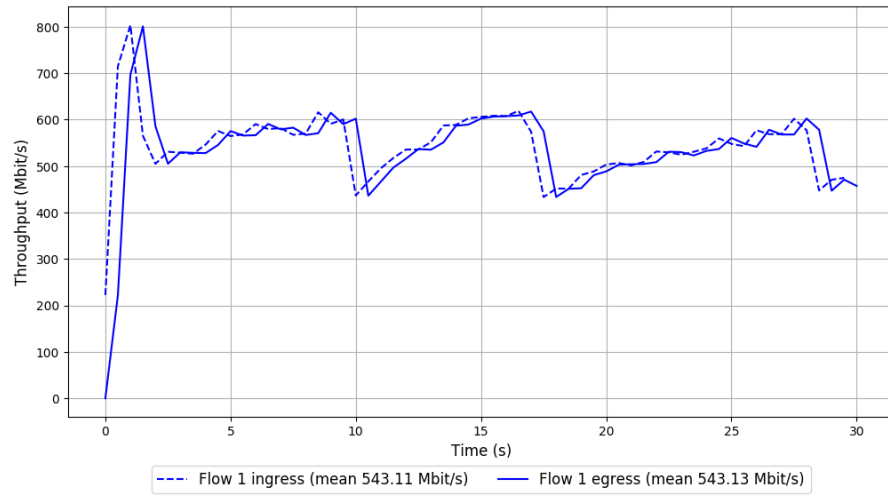
-- Flow 1:

Average throughput: 543.13 Mbit/s

95th percentile per-packet one-way delay: 2.367 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

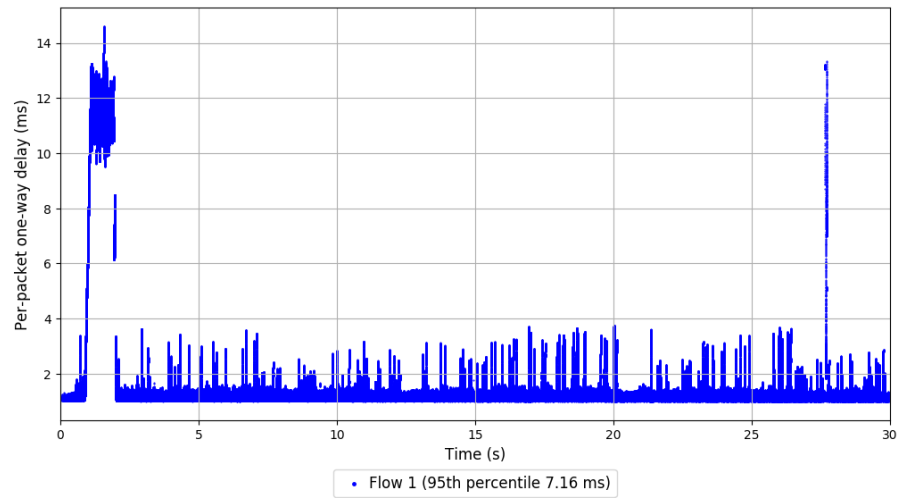
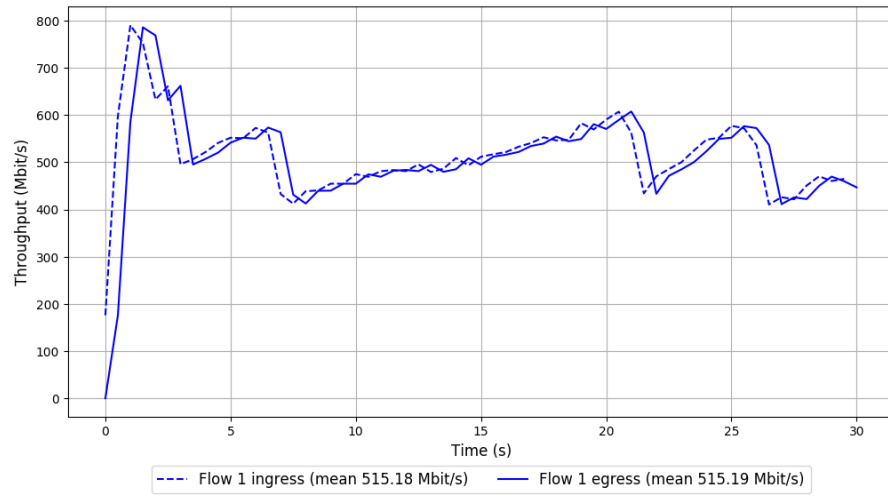


Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 21:08:47
End at: 2018-06-05 21:09:17
Local clock offset: 0.734 ms
Remote clock offset: -1.574 ms

Below is generated by plot.py at 2018-06-06 00:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 515.19 Mbit/s
95th percentile per-packet one-way delay: 7.157 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 515.19 Mbit/s
95th percentile per-packet one-way delay: 7.157 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

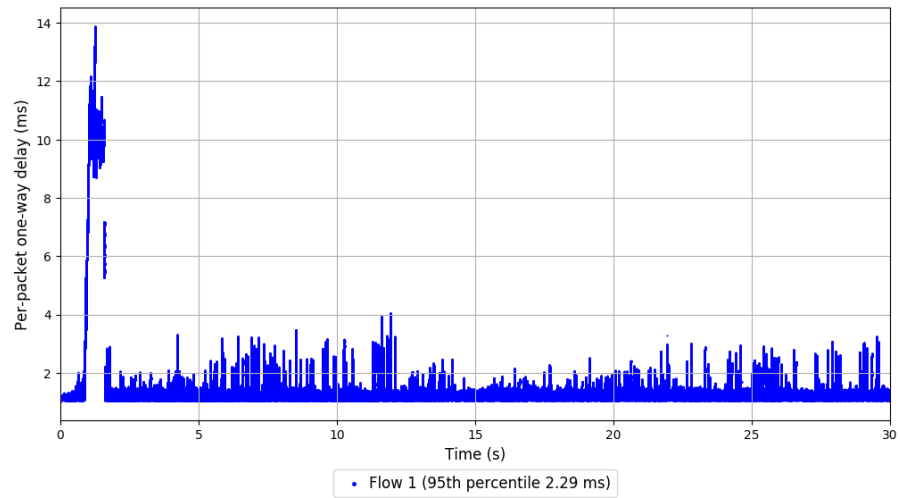
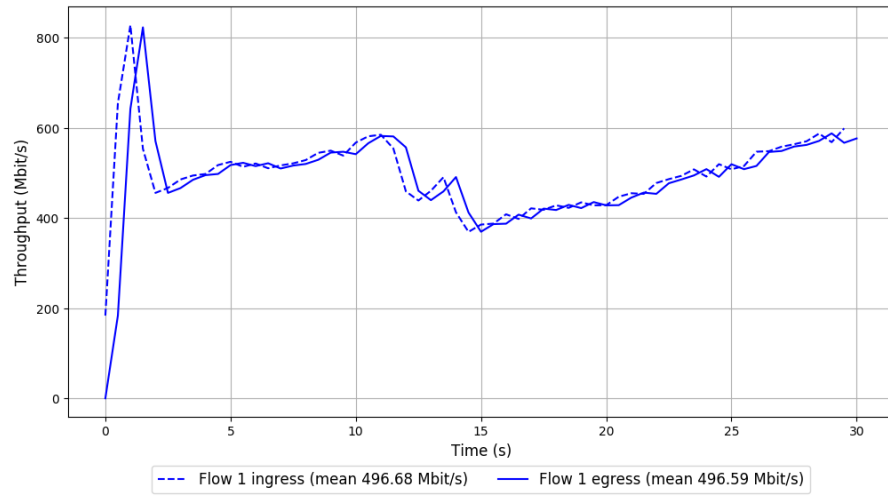


Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 21:32:57
End at: 2018-06-05 21:33:27
Local clock offset: 0.291 ms
Remote clock offset: -2.075 ms

Below is generated by plot.py at 2018-06-06 00:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 496.59 Mbit/s
95th percentile per-packet one-way delay: 2.285 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 496.59 Mbit/s
95th percentile per-packet one-way delay: 2.285 ms
Loss rate: 0.08%

Run 6: Report of TCP Cubic — Data Link

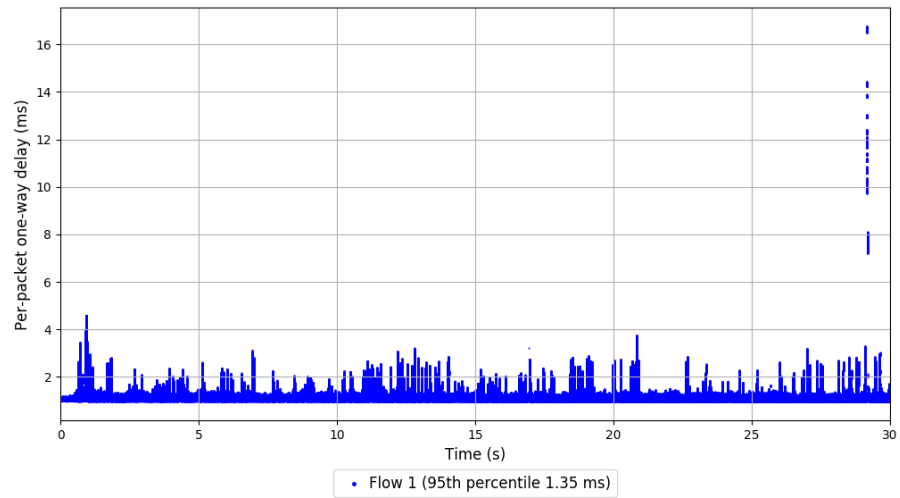
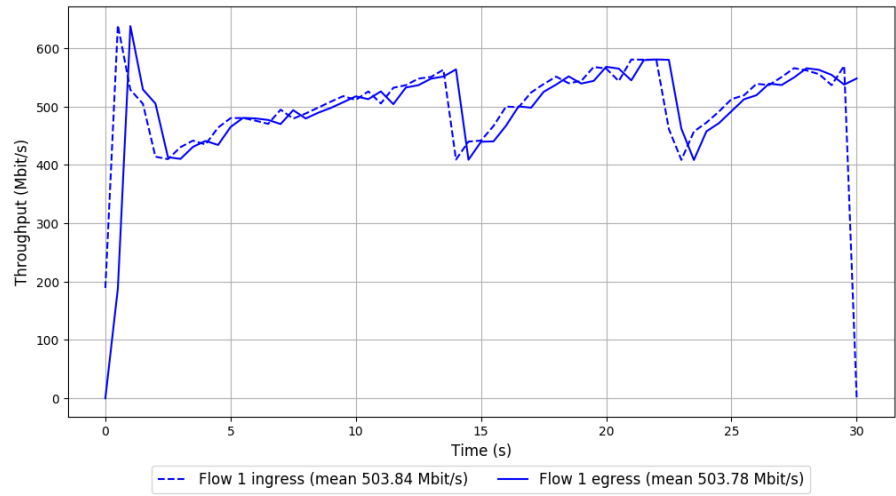


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 21:57:04
End at: 2018-06-05 21:57:34
Local clock offset: 0.132 ms
Remote clock offset: -2.406 ms

Below is generated by plot.py at 2018-06-06 00:14:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 503.78 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 503.78 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.08%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 22:21:18

End at: 2018-06-05 22:21:48

Local clock offset: 0.126 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-06-06 00:14:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 552.08 Mbit/s

95th percentile per-packet one-way delay: 11.650 ms

Loss rate: 0.06%

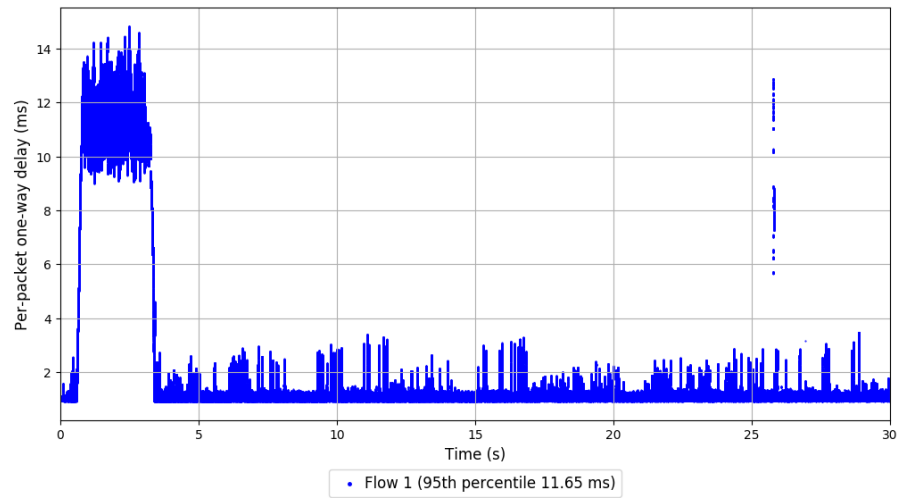
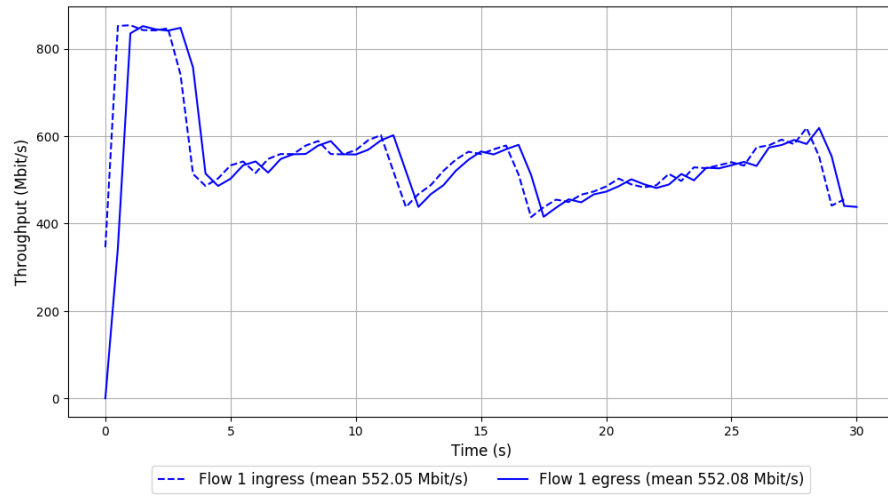
-- Flow 1:

Average throughput: 552.08 Mbit/s

95th percentile per-packet one-way delay: 11.650 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 22:45:27

End at: 2018-06-05 22:45:57

Local clock offset: 0.265 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-06-06 00:14:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.02 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.07%

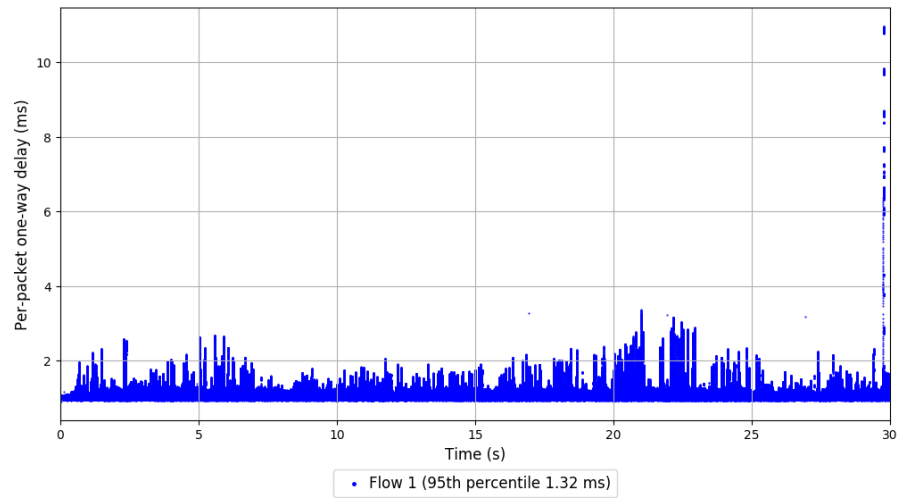
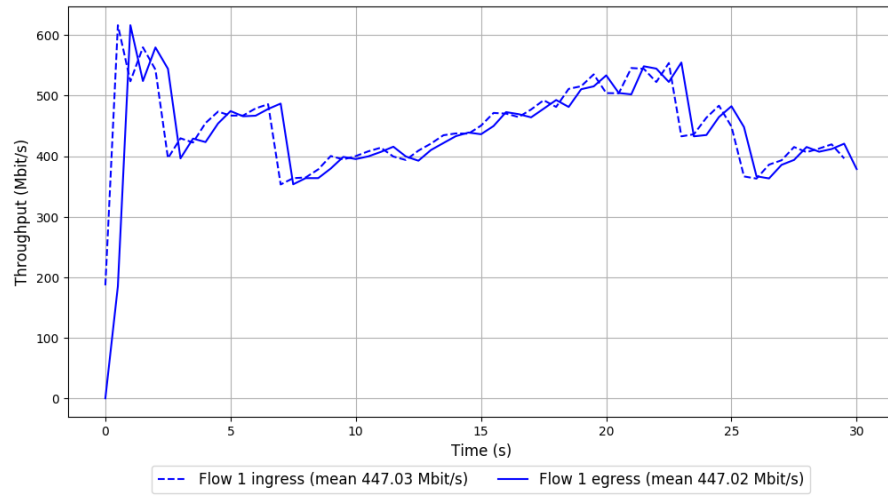
-- Flow 1:

Average throughput: 447.02 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 23:09:30

End at: 2018-06-05 23:10:00

Local clock offset: 0.419 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-06-06 00:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.64 Mbit/s

95th percentile per-packet one-way delay: 1.307 ms

Loss rate: 0.07%

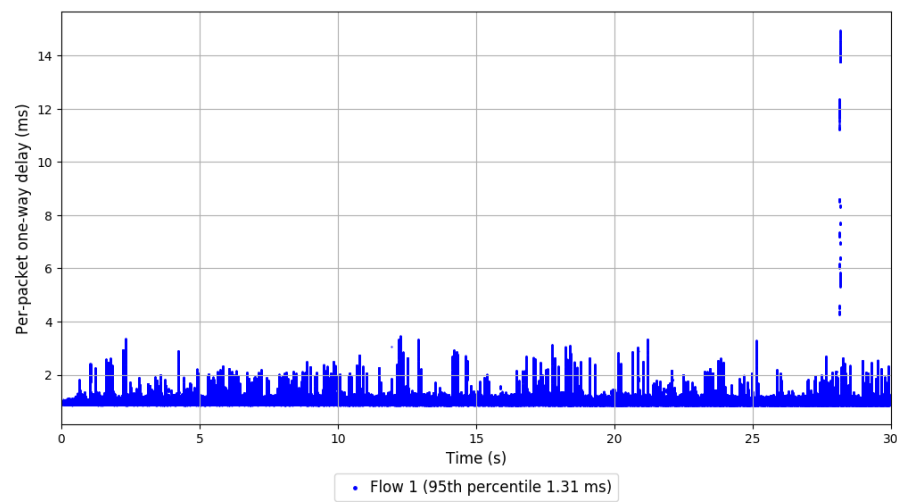
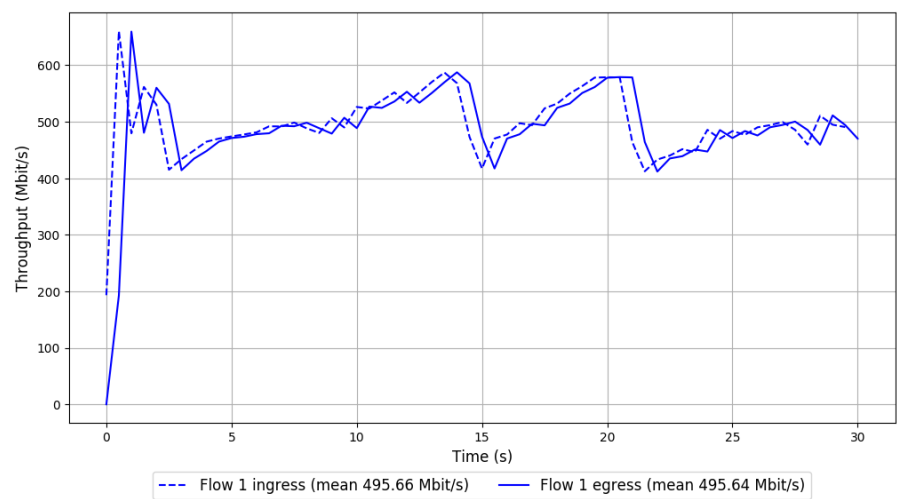
-- Flow 1:

Average throughput: 495.64 Mbit/s

95th percentile per-packet one-way delay: 1.307 ms

Loss rate: 0.07%

Run 10: Report of TCP Cubic — Data Link

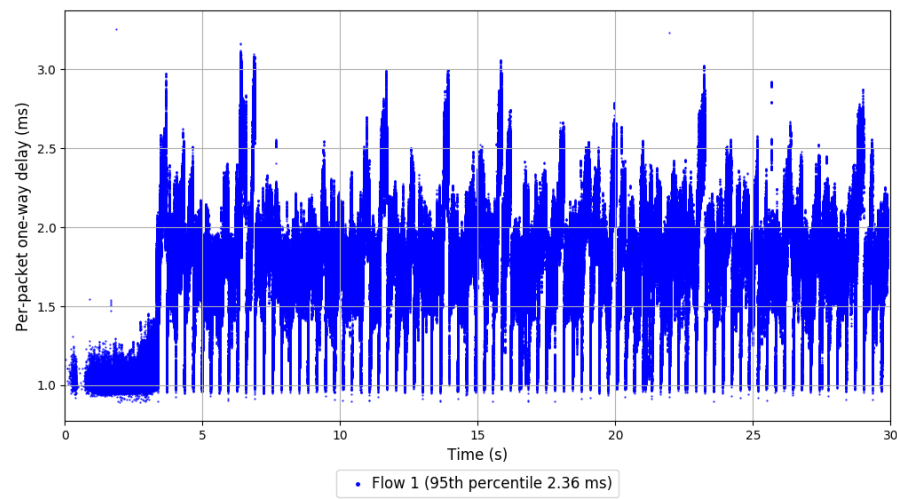
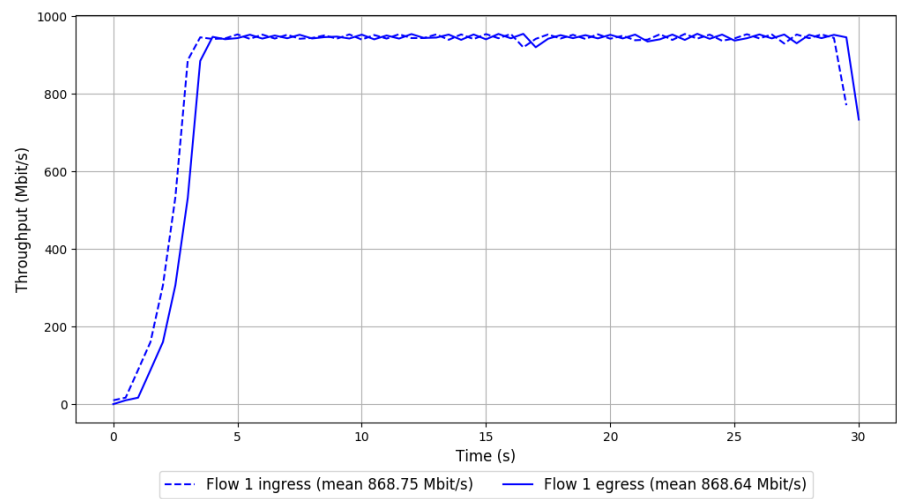


Run 1: Statistics of FillP

Start at: 2018-06-05 19:46:38
End at: 2018-06-05 19:47:08
Local clock offset: 0.139 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-06-06 00:21:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 868.64 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 868.64 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.08%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-05 20:10:53

End at: 2018-06-05 20:11:23

Local clock offset: -0.106 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-06-06 00:21:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 831.03 Mbit/s

95th percentile per-packet one-way delay: 35.843 ms

Loss rate: 2.06%

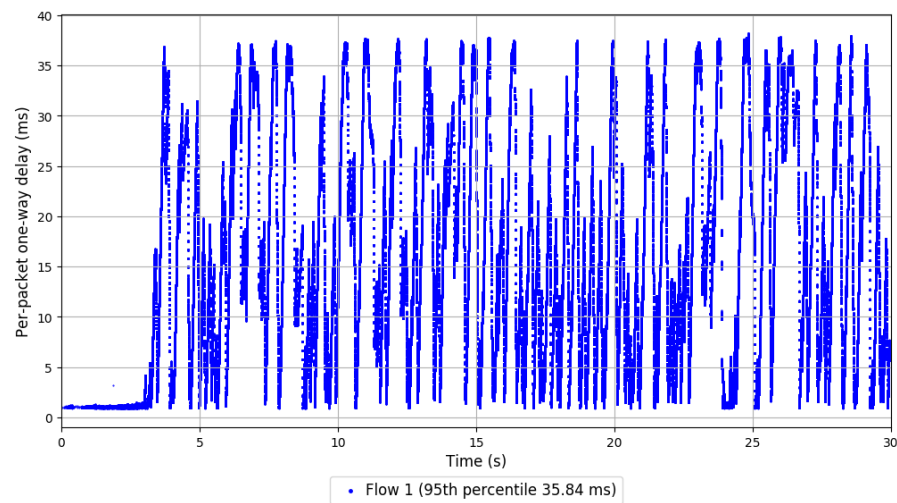
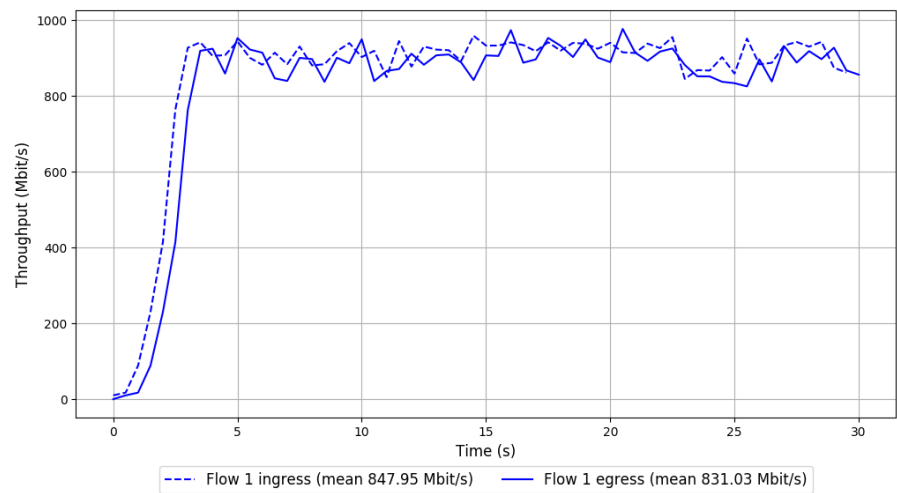
-- Flow 1:

Average throughput: 831.03 Mbit/s

95th percentile per-packet one-way delay: 35.843 ms

Loss rate: 2.06%

Run 2: Report of FillP — Data Link

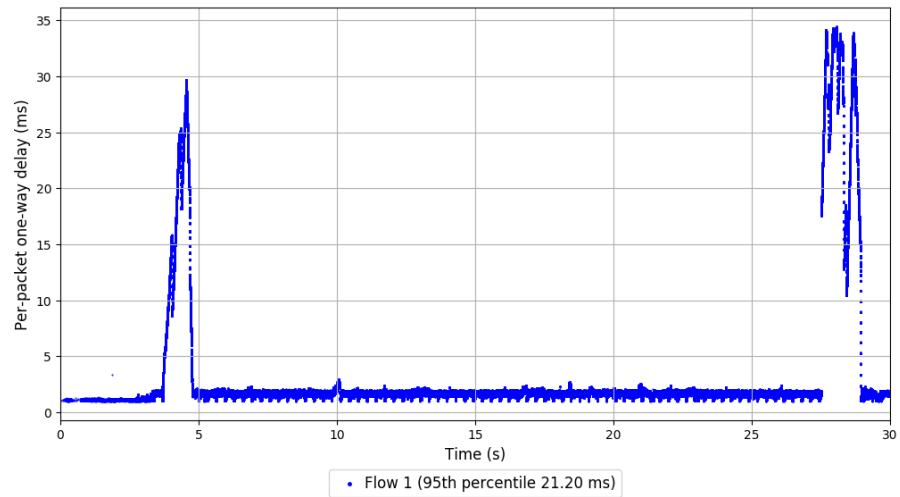
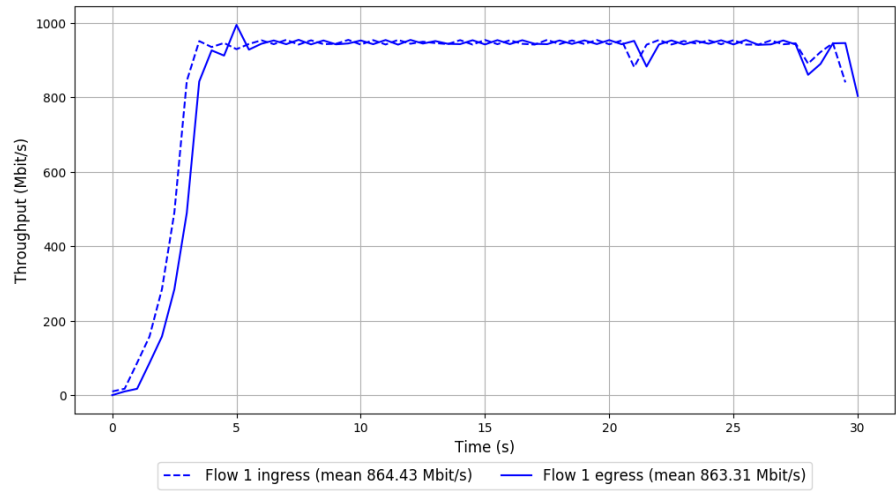


Run 3: Statistics of FillP

Start at: 2018-06-05 20:35:04
End at: 2018-06-05 20:35:34
Local clock offset: 0.386 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-06 00:25:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 863.31 Mbit/s
95th percentile per-packet one-way delay: 21.195 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 863.31 Mbit/s
95th percentile per-packet one-way delay: 21.195 ms
Loss rate: 0.20%

Run 3: Report of FillP — Data Link

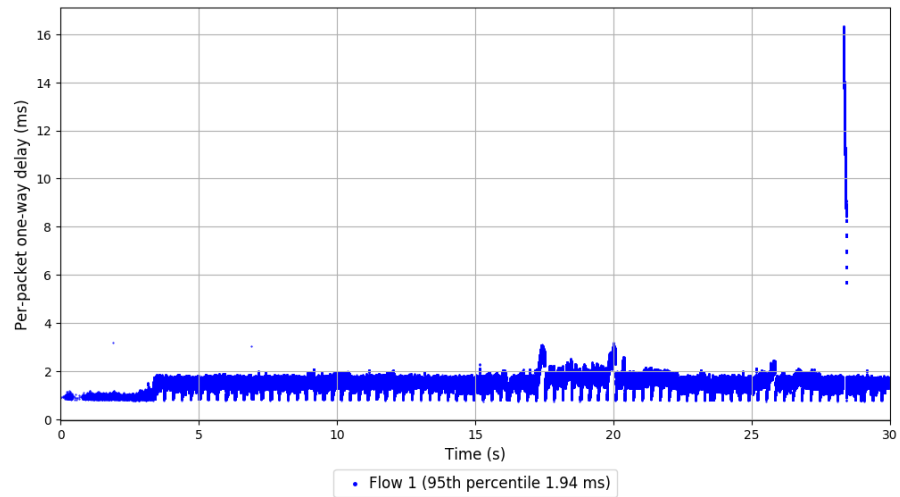
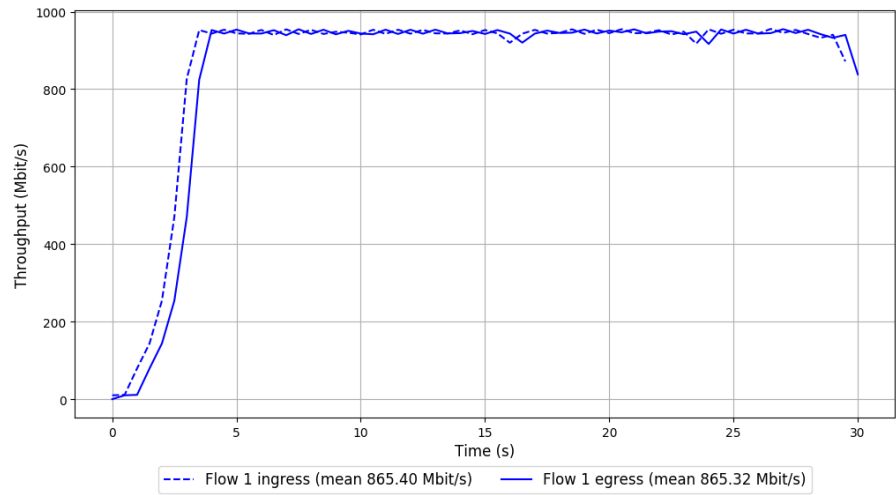


Run 4: Statistics of FillP

Start at: 2018-06-05 20:59:11
End at: 2018-06-05 20:59:41
Local clock offset: 0.541 ms
Remote clock offset: -1.041 ms

Below is generated by plot.py at 2018-06-06 00:25:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 865.32 Mbit/s
95th percentile per-packet one-way delay: 1.943 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 865.32 Mbit/s
95th percentile per-packet one-way delay: 1.943 ms
Loss rate: 0.07%

Run 4: Report of FillP — Data Link

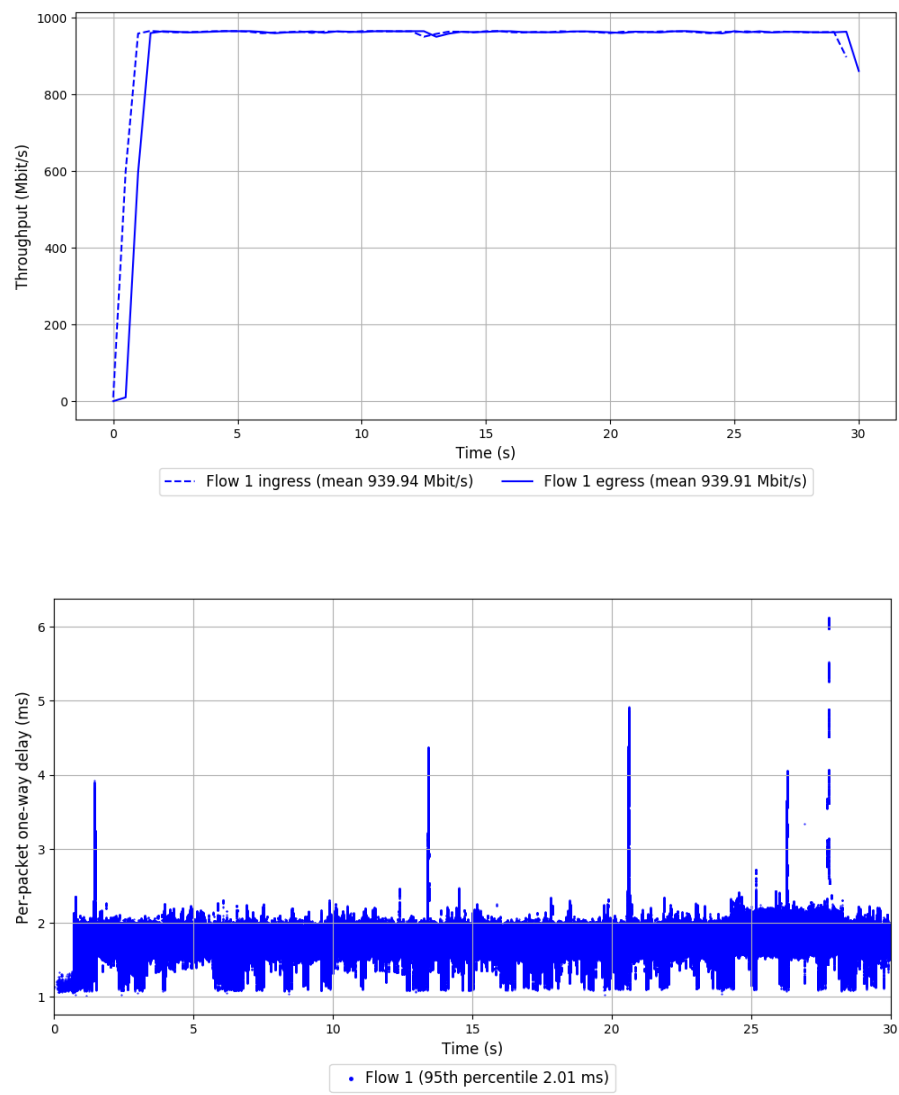


Run 5: Statistics of FillP

Start at: 2018-06-05 21:23:12
End at: 2018-06-05 21:23:42
Local clock offset: 0.638 ms
Remote clock offset: -1.943 ms

Below is generated by plot.py at 2018-06-06 00:27:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 939.91 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 939.91 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 0.07%

Run 5: Report of FillP — Data Link

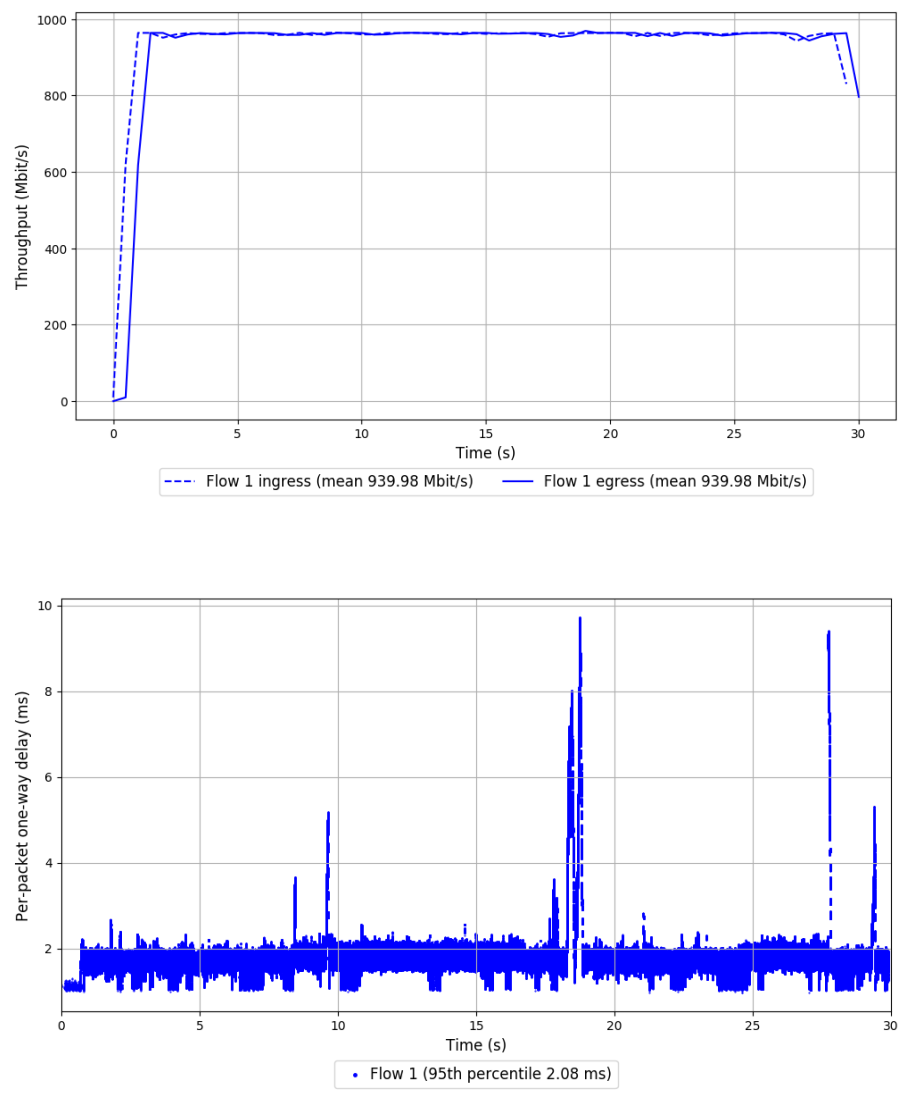


Run 6: Statistics of FillP

Start at: 2018-06-05 21:47:23
End at: 2018-06-05 21:47:53
Local clock offset: 0.067 ms
Remote clock offset: -2.363 ms

Below is generated by plot.py at 2018-06-06 00:27:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 939.98 Mbit/s
95th percentile per-packet one-way delay: 2.077 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 939.98 Mbit/s
95th percentile per-packet one-way delay: 2.077 ms
Loss rate: 0.07%

Run 6: Report of FillP — Data Link

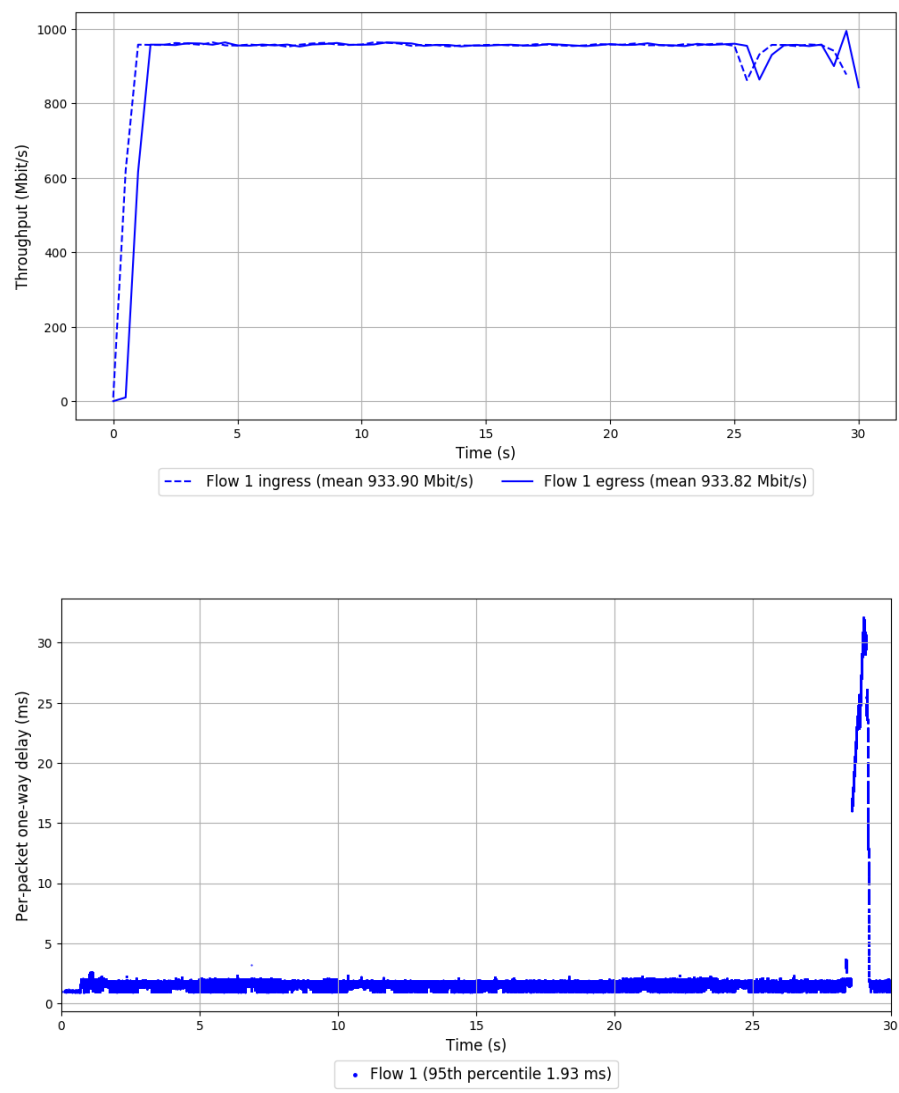


Run 7: Statistics of FillP

Start at: 2018-06-05 22:11:36
End at: 2018-06-05 22:12:06
Local clock offset: 0.09 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-06-06 00:27:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 933.82 Mbit/s
95th percentile per-packet one-way delay: 1.934 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 933.82 Mbit/s
95th percentile per-packet one-way delay: 1.934 ms
Loss rate: 0.07%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-05 22:35:50

End at: 2018-06-05 22:36:20

Local clock offset: 0.339 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-06-06 00:27:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 873.64 Mbit/s

95th percentile per-packet one-way delay: 2.338 ms

Loss rate: 0.07%

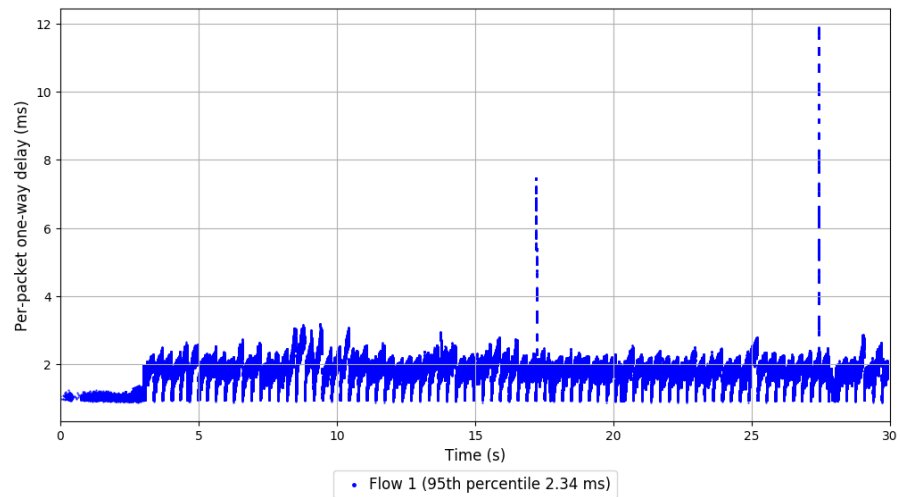
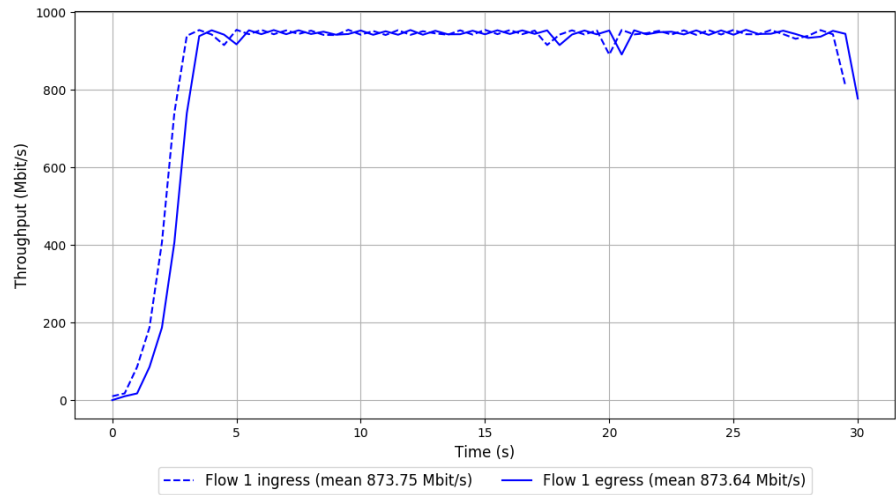
-- Flow 1:

Average throughput: 873.64 Mbit/s

95th percentile per-packet one-way delay: 2.338 ms

Loss rate: 0.07%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-05 22:59:51

End at: 2018-06-05 23:00:21

Local clock offset: 0.467 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2018-06-06 00:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 865.02 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.08%

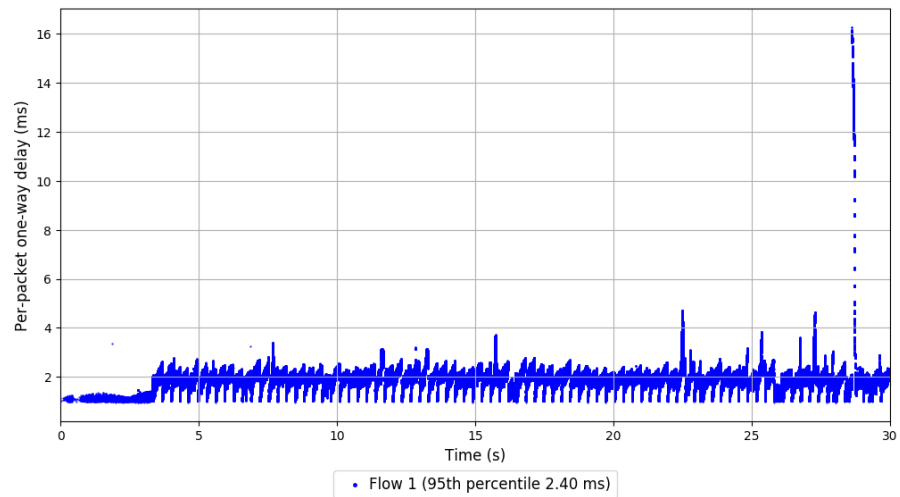
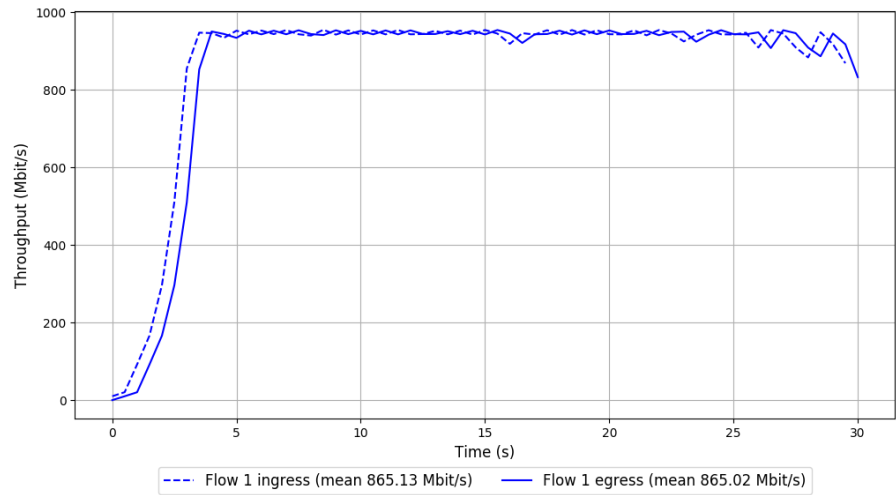
-- Flow 1:

Average throughput: 865.02 Mbit/s

95th percentile per-packet one-way delay: 2.403 ms

Loss rate: 0.08%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-05 23:23:58

End at: 2018-06-05 23:24:28

Local clock offset: 0.36 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 934.57 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 0.10%

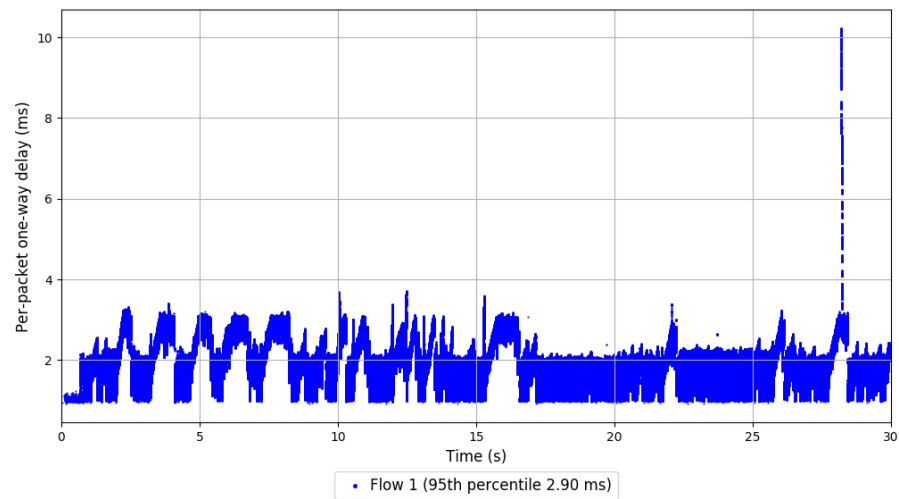
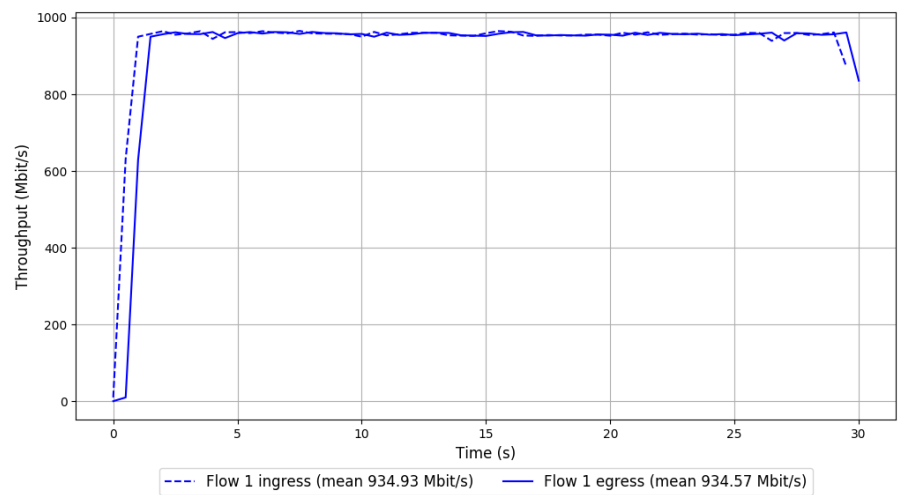
-- Flow 1:

Average throughput: 934.57 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 0.10%

Run 10: Report of FillP — Data Link

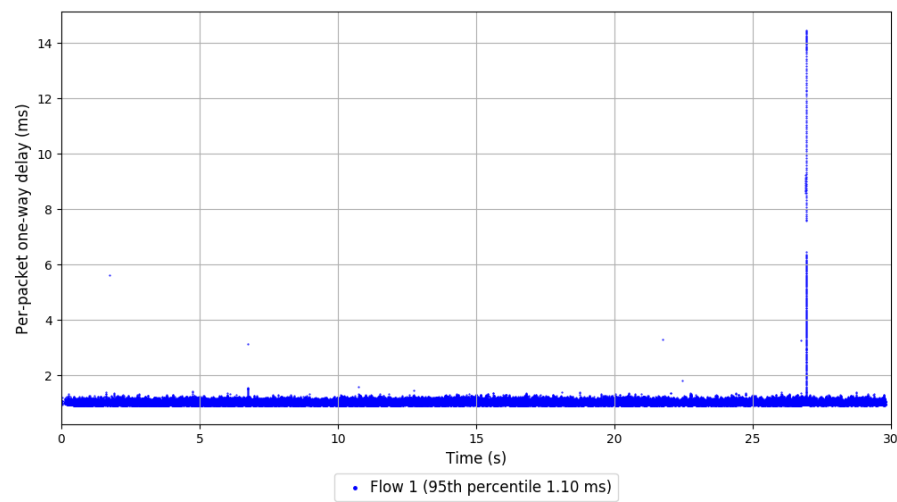
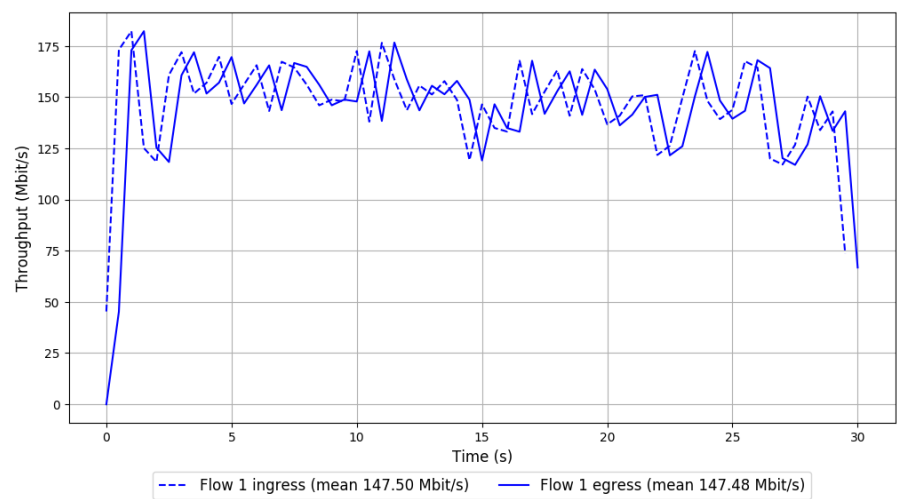


Run 1: Statistics of Indigo

Start at: 2018-06-05 19:39:29
End at: 2018-06-05 19:39:59
Local clock offset: 0.172 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.48 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 147.48 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.08%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-05 20:03:42

End at: 2018-06-05 20:04:12

Local clock offset: 0.003 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.34 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.08%

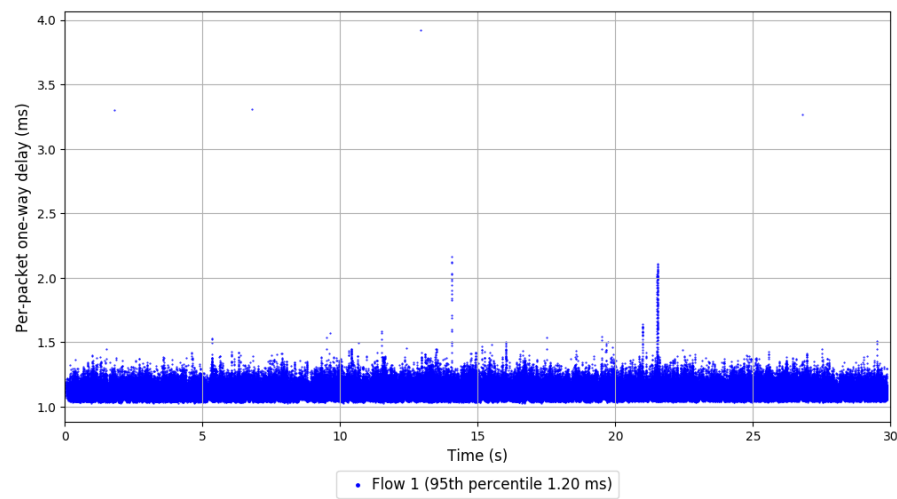
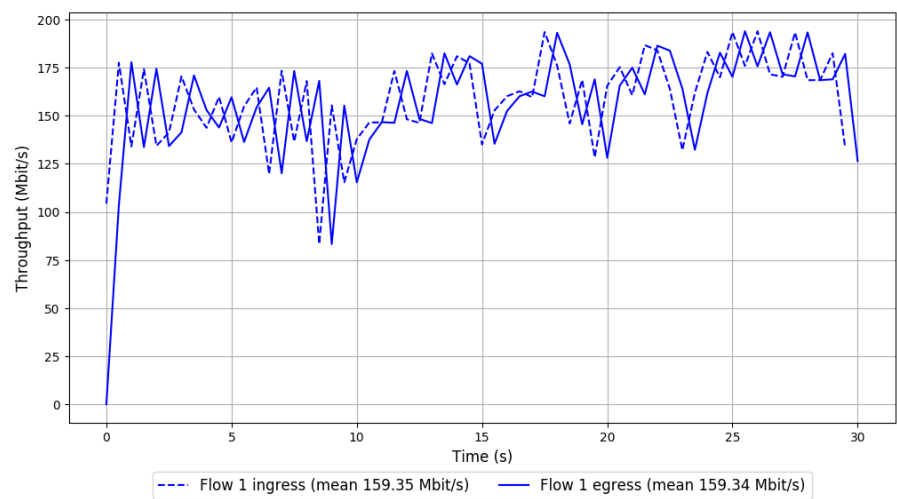
-- Flow 1:

Average throughput: 159.34 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.08%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-05 20:27:56

End at: 2018-06-05 20:28:26

Local clock offset: 0.134 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.57 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.07%

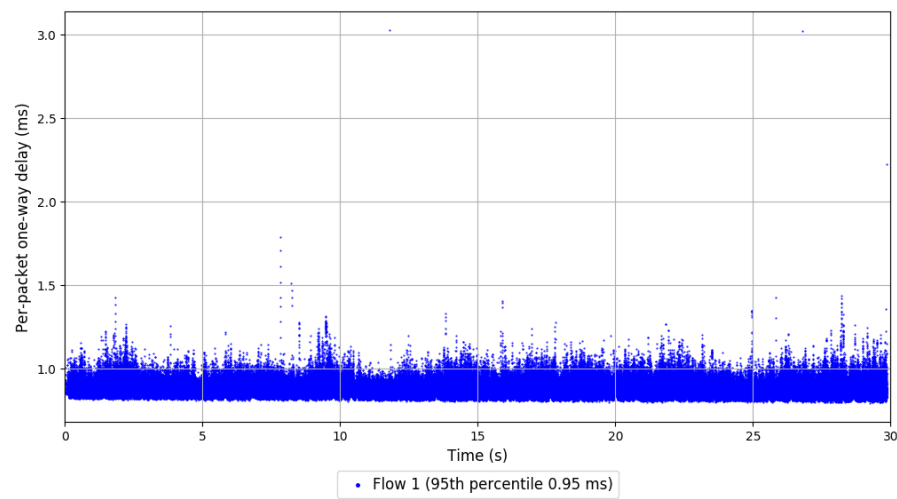
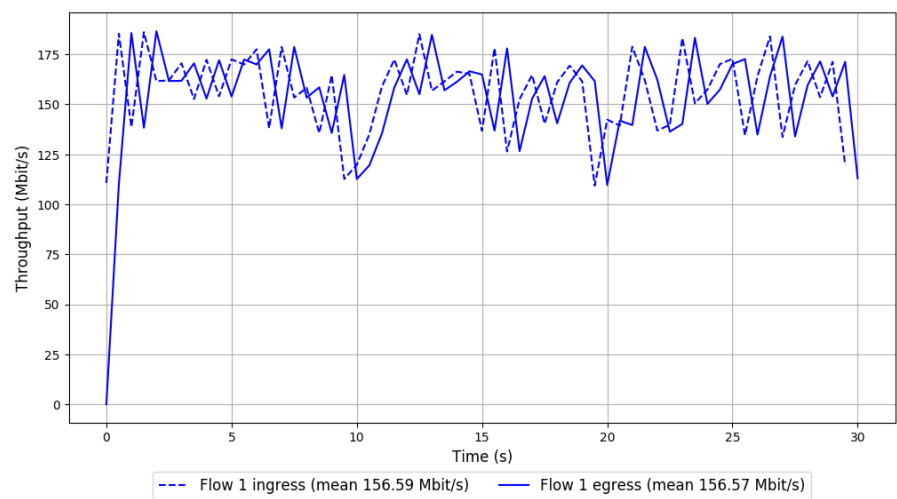
-- Flow 1:

Average throughput: 156.57 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.07%

Run 3: Report of Indigo — Data Link

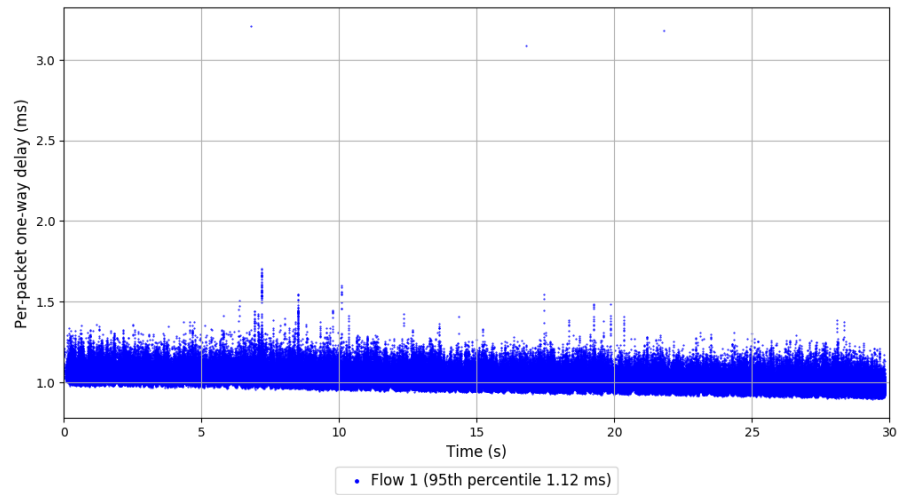
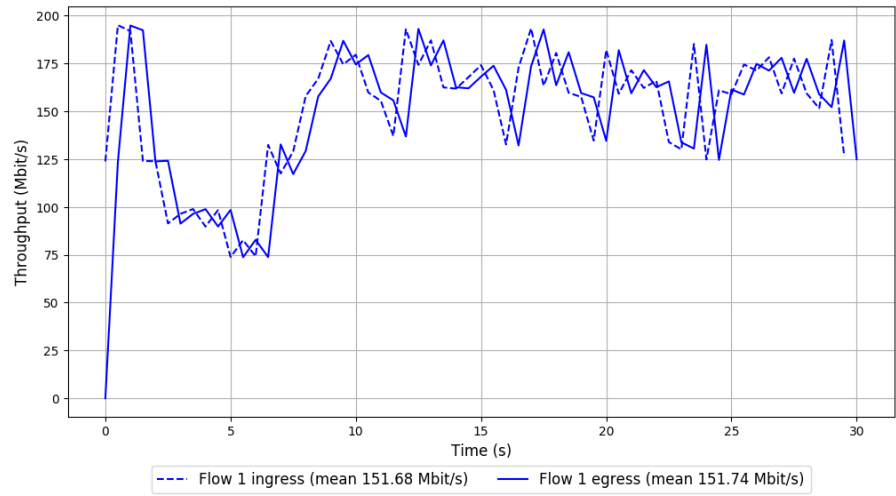


Run 4: Statistics of Indigo

Start at: 2018-06-05 20:52:08
End at: 2018-06-05 20:52:38
Local clock offset: 0.575 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.74 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 151.74 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.02%

Run 4: Report of Indigo — Data Link

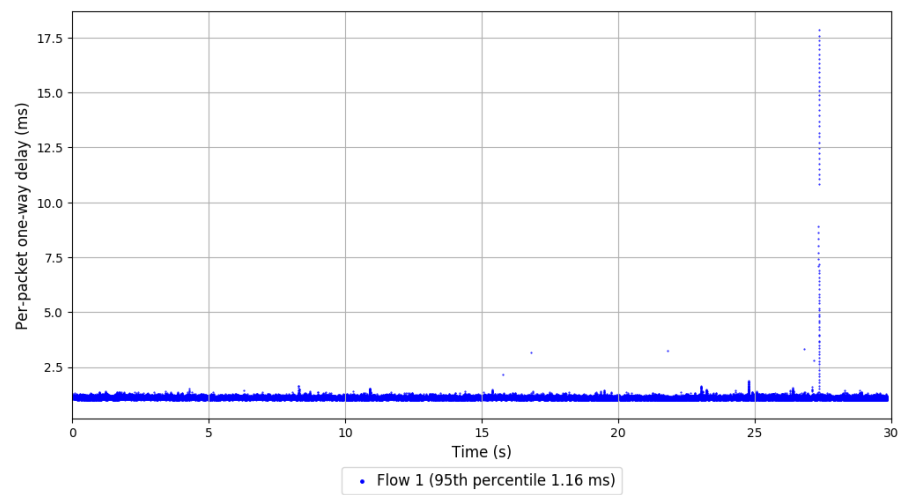
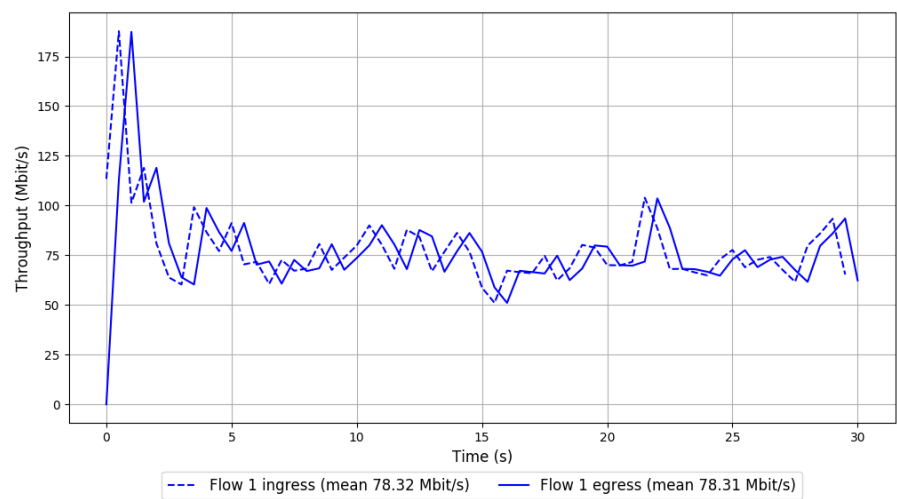


Run 5: Statistics of Indigo

Start at: 2018-06-05 21:16:08
End at: 2018-06-05 21:16:38
Local clock offset: 0.779 ms
Remote clock offset: -1.814 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.07%

Run 5: Report of Indigo — Data Link

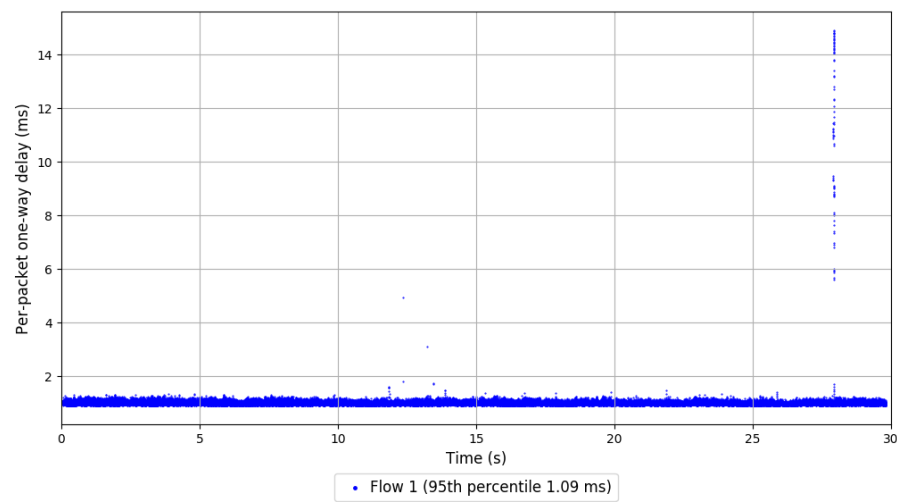
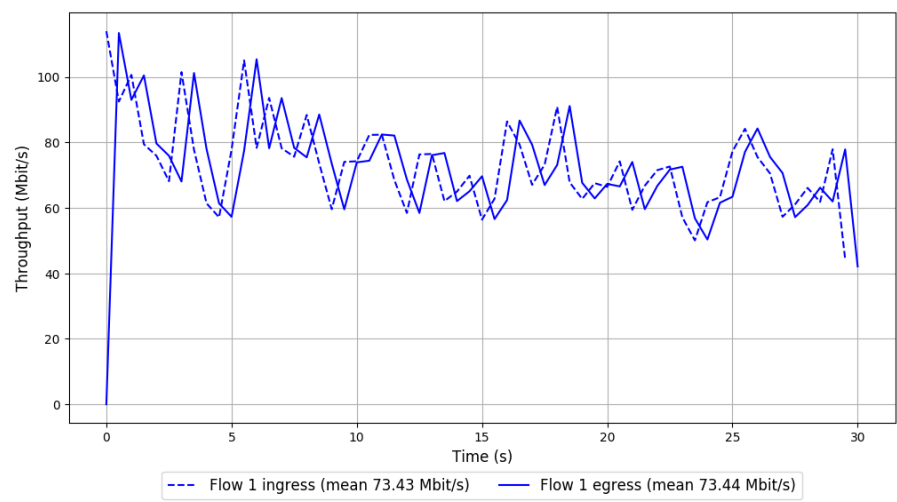


Run 6: Statistics of Indigo

Start at: 2018-06-05 21:40:18
End at: 2018-06-05 21:40:48
Local clock offset: 0.035 ms
Remote clock offset: -2.228 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.05%

Run 6: Report of Indigo — Data Link

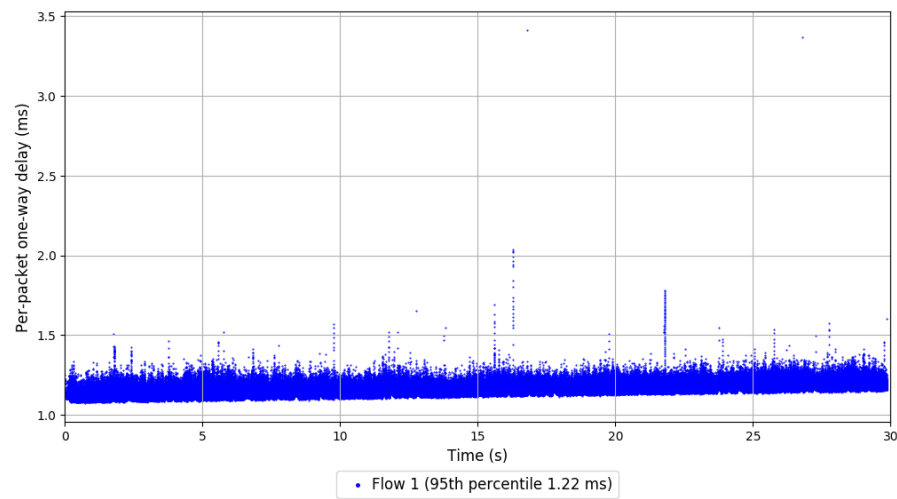
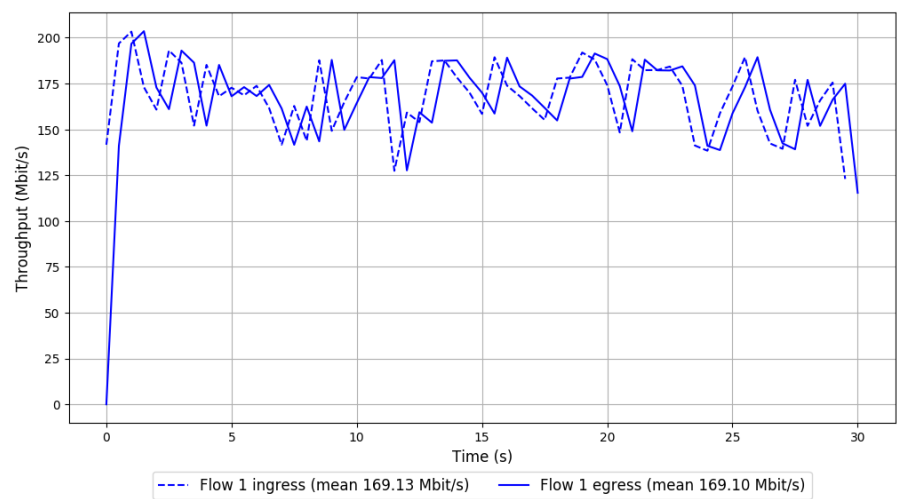


Run 7: Statistics of Indigo

Start at: 2018-06-05 22:04:28
End at: 2018-06-05 22:04:58
Local clock offset: 0.166 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.10 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 169.10 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.08%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-05 22:28:43

End at: 2018-06-05 22:29:13

Local clock offset: 0.24 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.05%

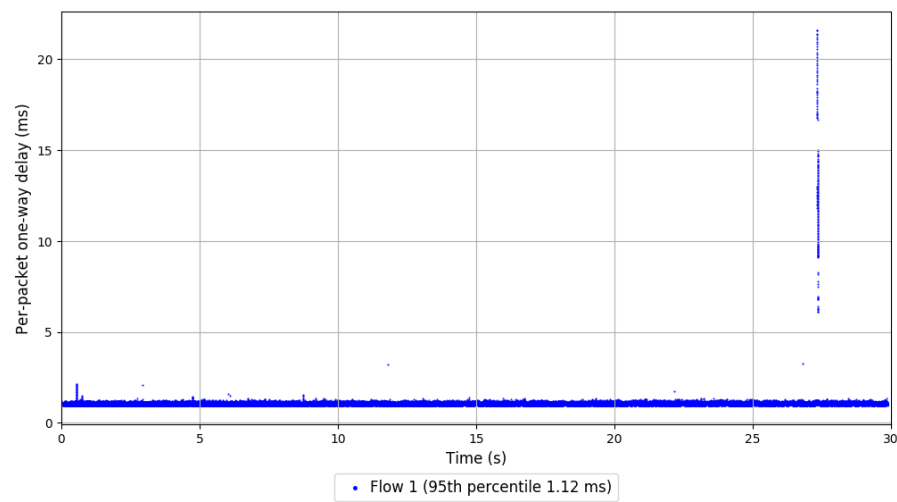
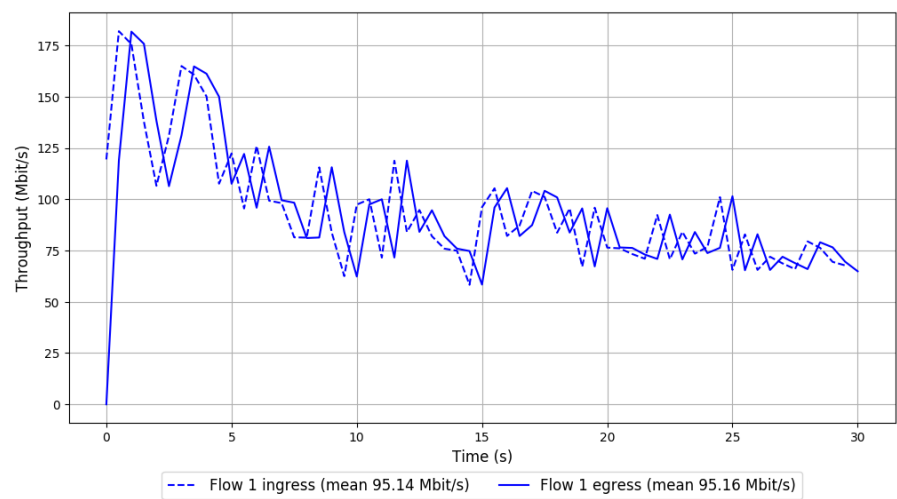
-- Flow 1:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.05%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-05 22:52:50

End at: 2018-06-05 22:53:20

Local clock offset: 0.418 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.65 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.03%

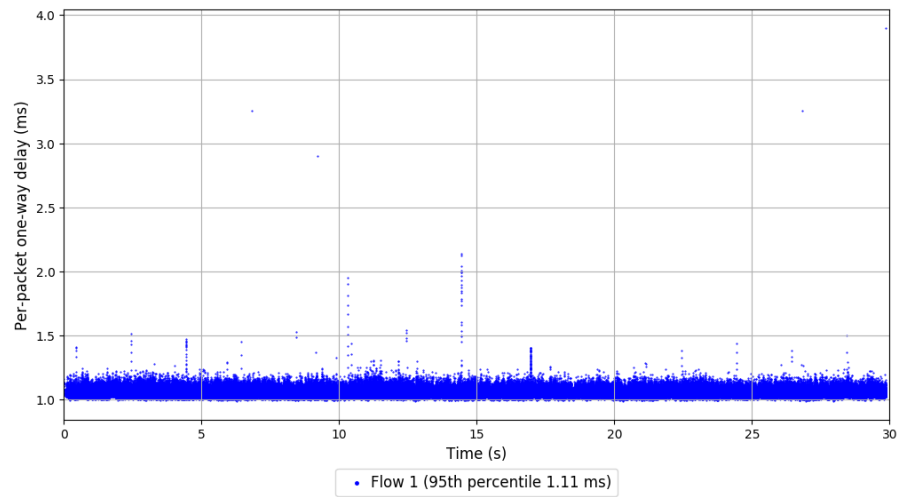
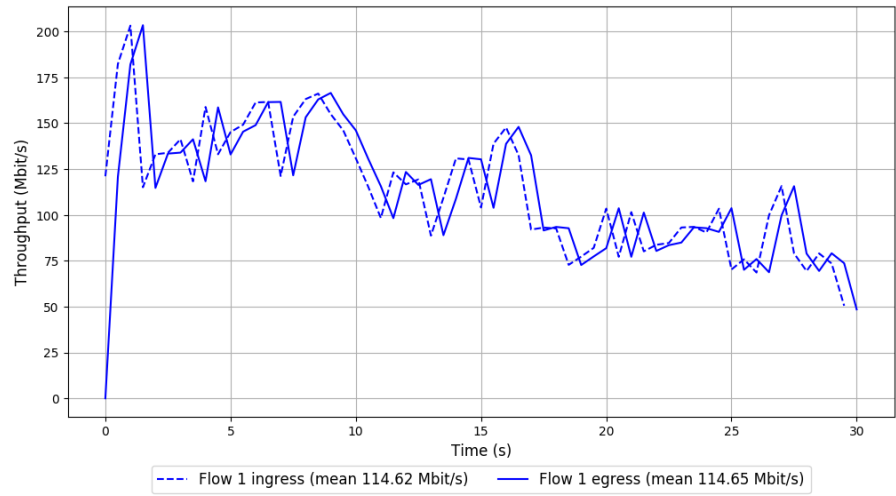
-- Flow 1:

Average throughput: 114.65 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.03%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 23:16:54

End at: 2018-06-05 23:17:24

Local clock offset: 0.395 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.51 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.08%

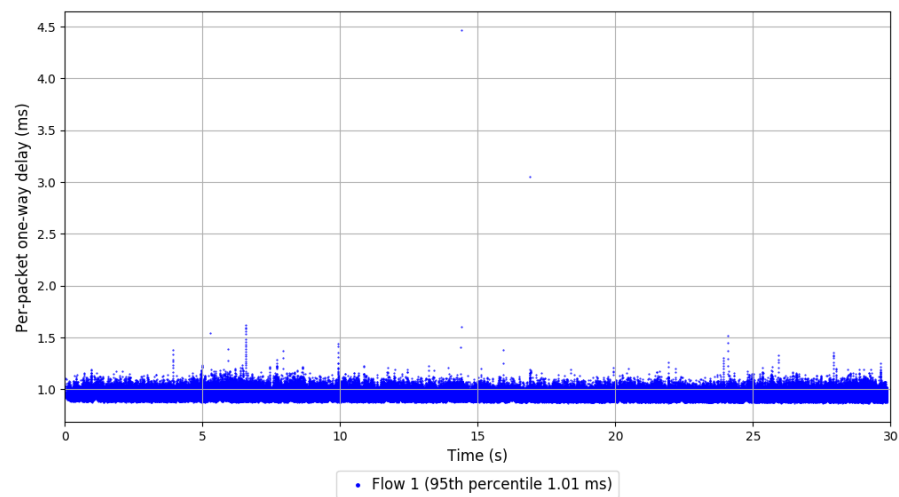
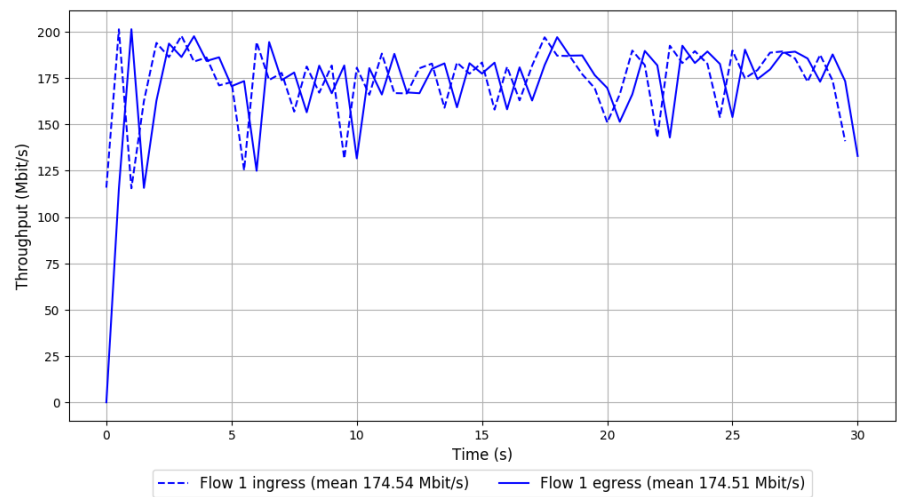
-- Flow 1:

Average throughput: 174.51 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.08%

Run 10: Report of Indigo — Data Link

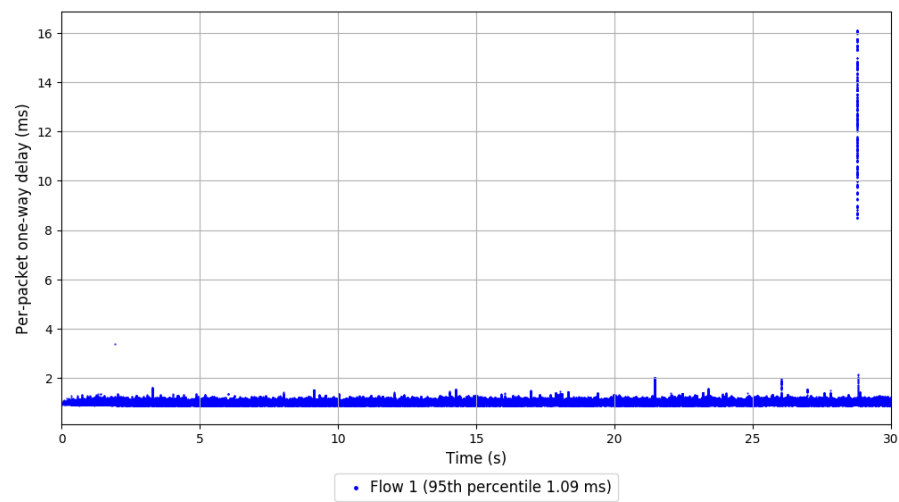
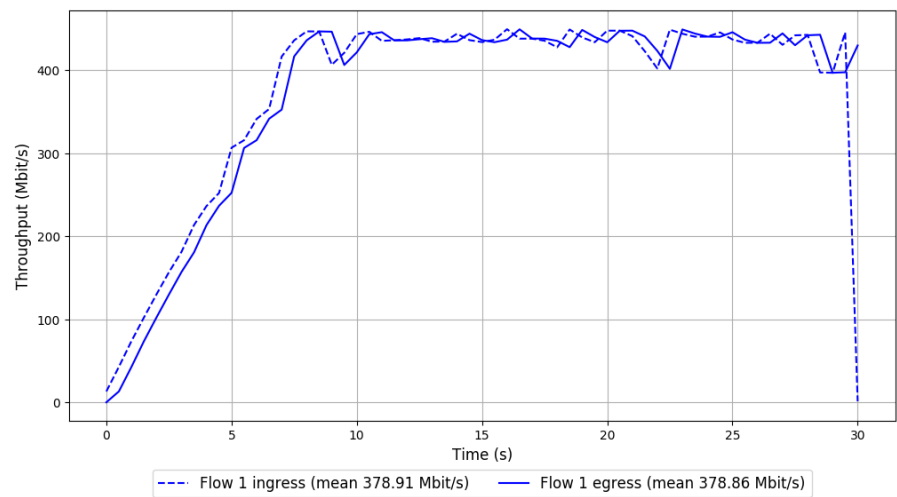


Run 1: Statistics of LEDBAT

Start at: 2018-06-05 19:36:38
End at: 2018-06-05 19:37:08
Local clock offset: 0.195 ms
Remote clock offset: -0.357 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.86 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 378.86 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-05 20:00:51

End at: 2018-06-05 20:01:21

Local clock offset: -0.066 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.41 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.07%

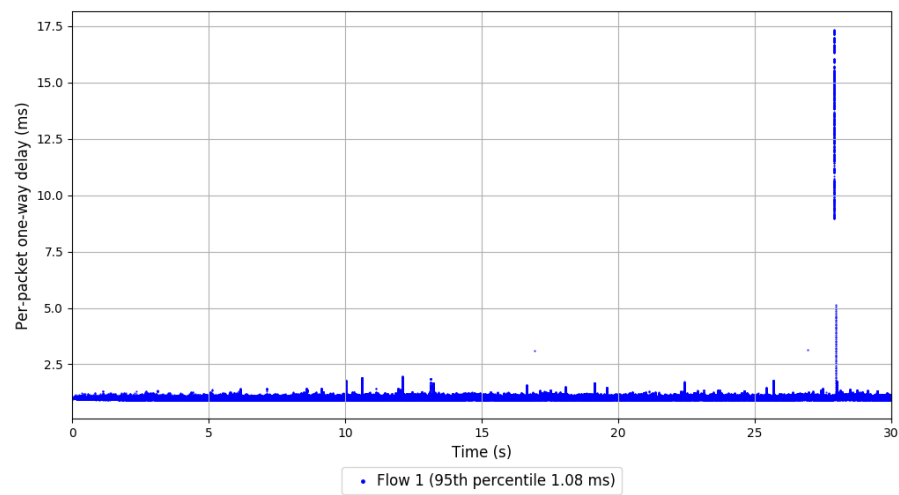
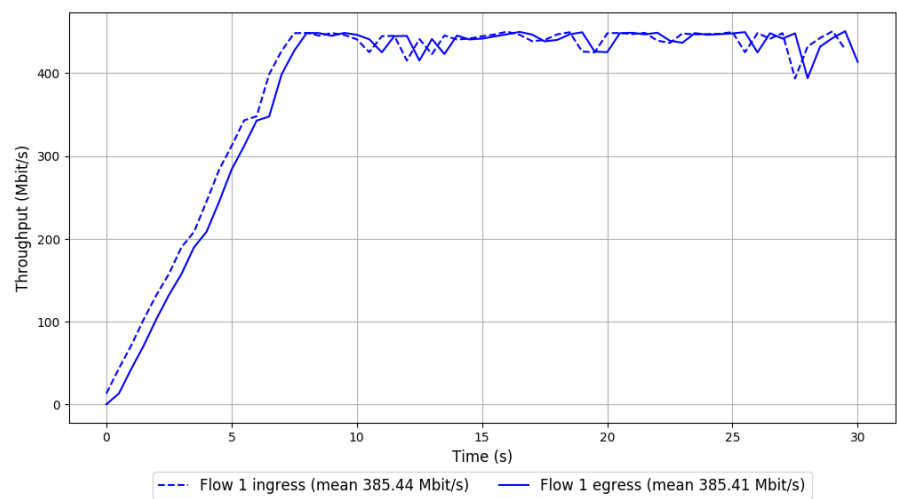
-- Flow 1:

Average throughput: 385.41 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.07%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-05 20:25:05

End at: 2018-06-05 20:25:35

Local clock offset: 0.164 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-06-06 00:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.02 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.07%

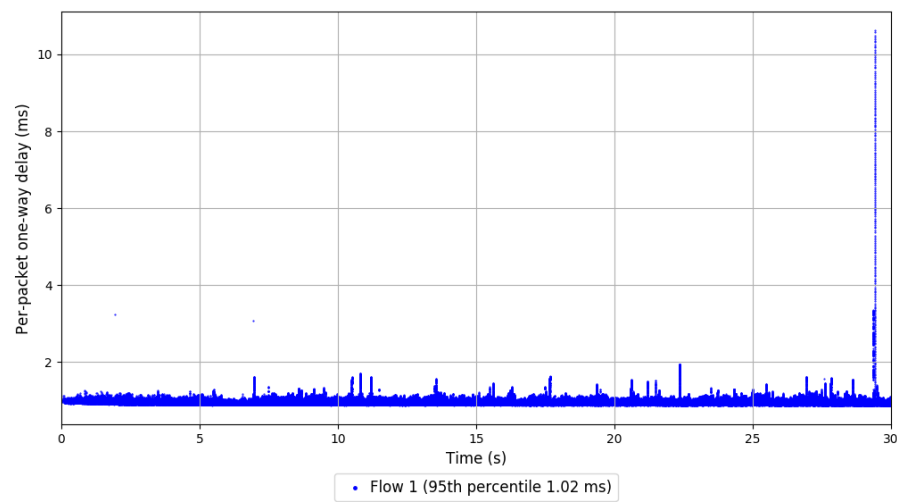
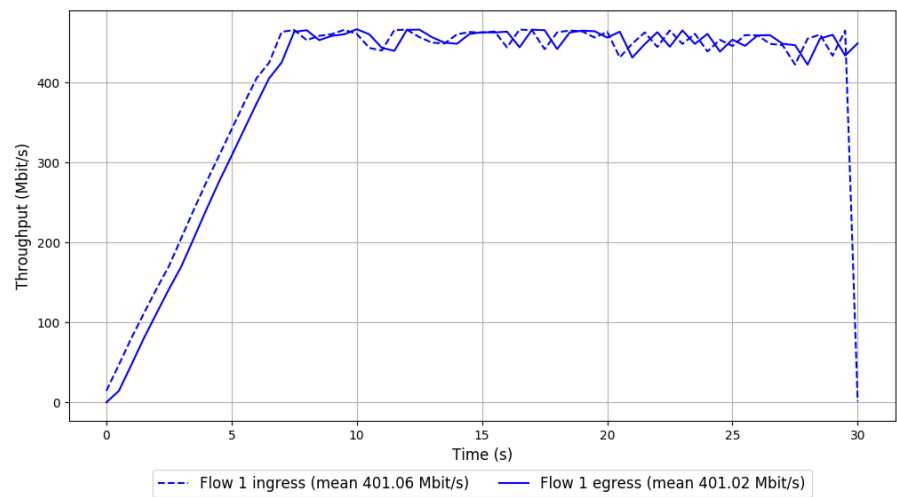
-- Flow 1:

Average throughput: 401.02 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link

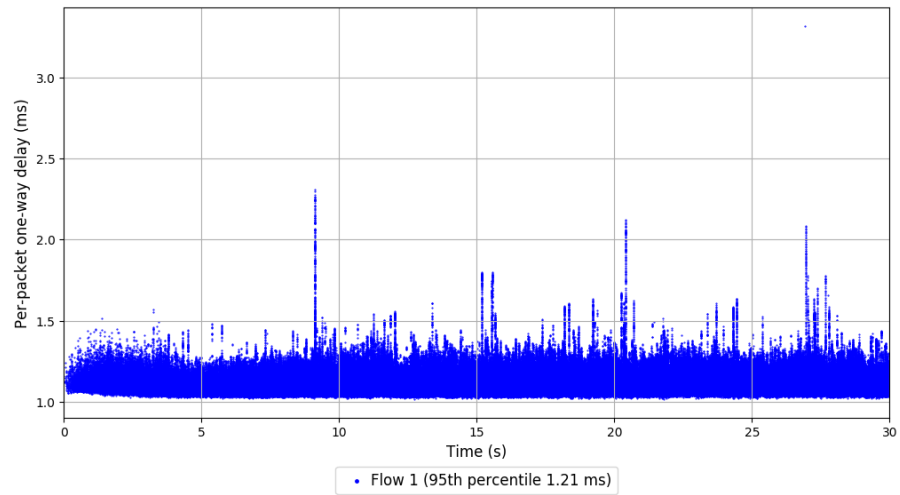
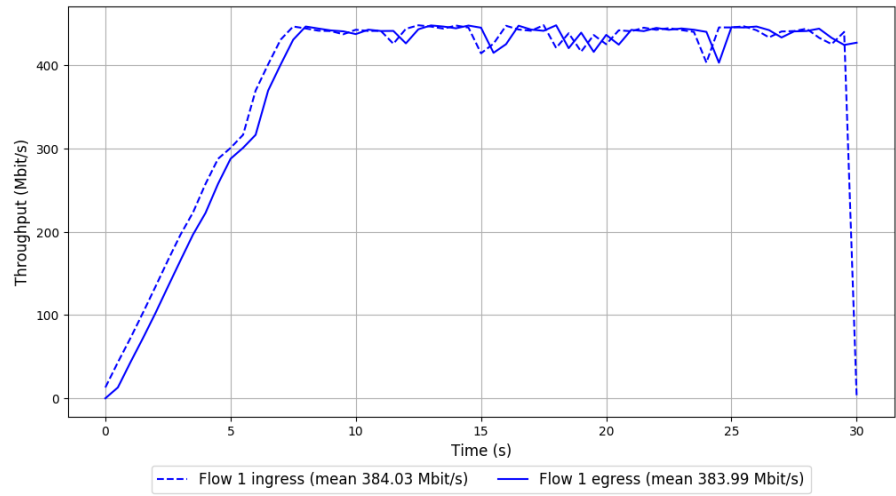


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 20:49:17
End at: 2018-06-05 20:49:47
Local clock offset: 0.549 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.99 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 383.99 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

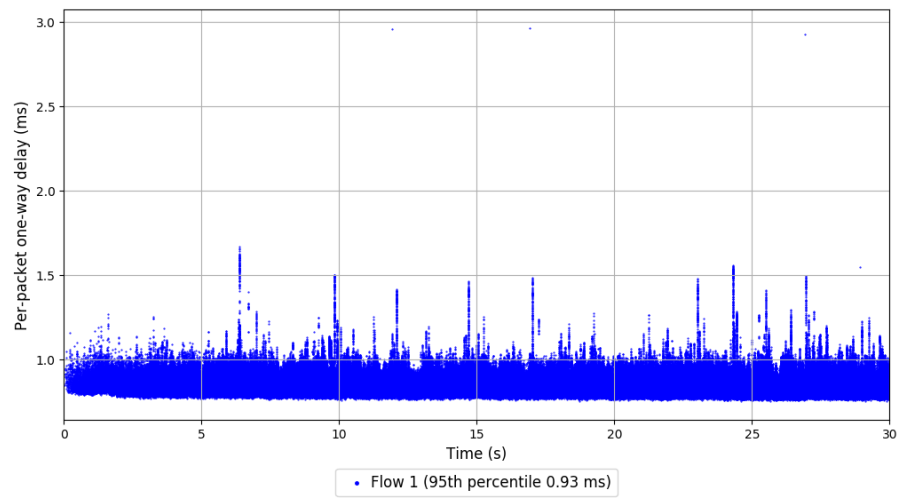
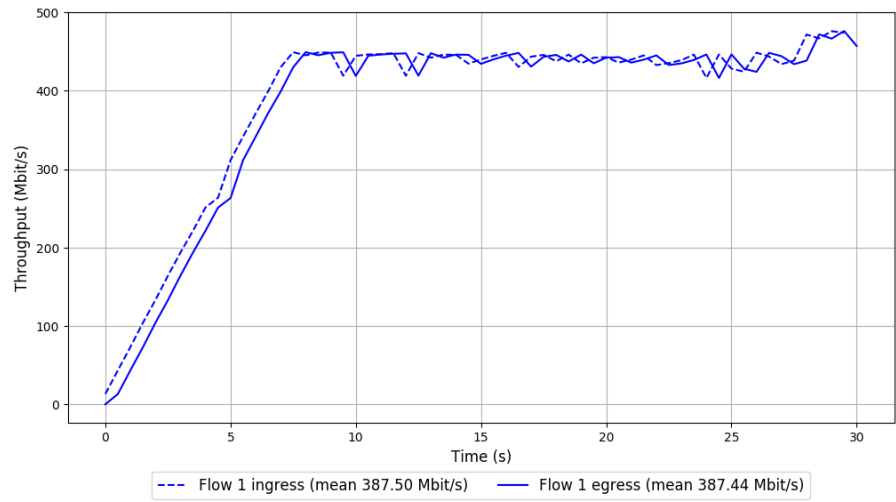


Run 5: Statistics of LEDBAT

Start at: 2018-06-05 21:13:17
End at: 2018-06-05 21:13:47
Local clock offset: 0.673 ms
Remote clock offset: -1.605 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.44 Mbit/s
95th percentile per-packet one-way delay: 0.930 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.44 Mbit/s
95th percentile per-packet one-way delay: 0.930 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

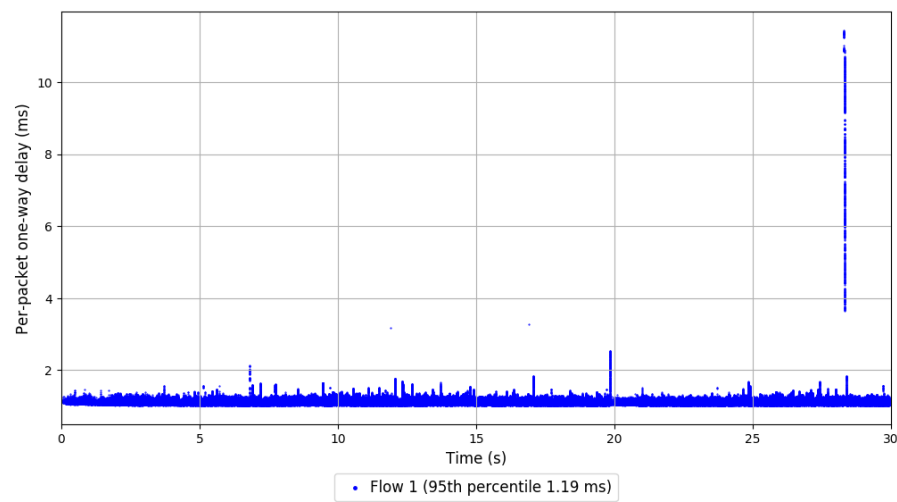
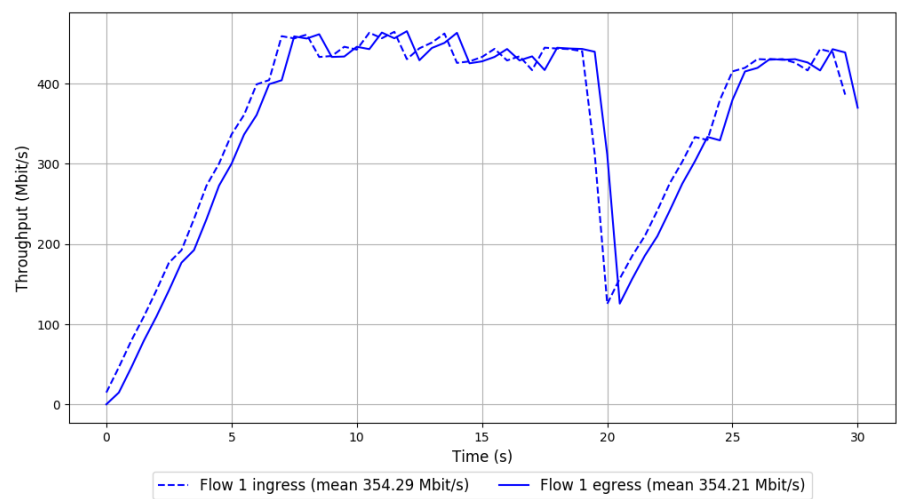


Run 6: Statistics of LEDBAT

Start at: 2018-06-05 21:37:28
End at: 2018-06-05 21:37:58
Local clock offset: 0.174 ms
Remote clock offset: -2.171 ms

Below is generated by plot.py at 2018-06-06 00:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.21 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 354.21 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link

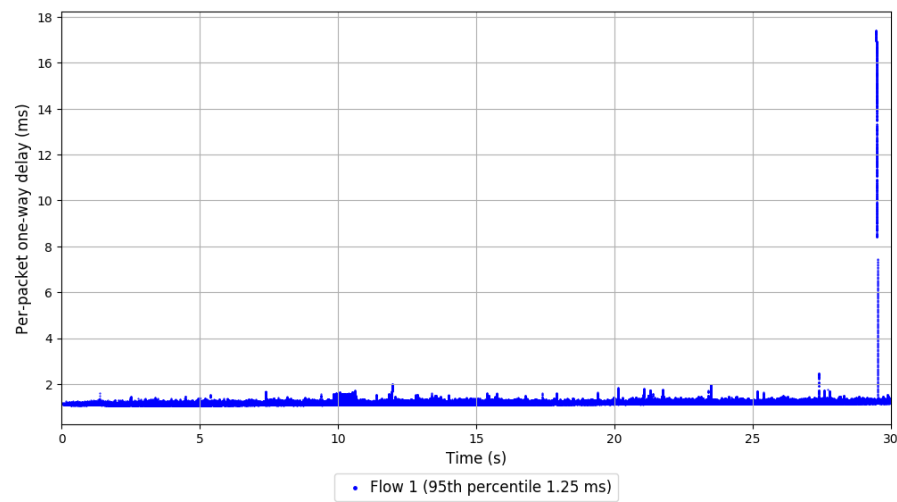
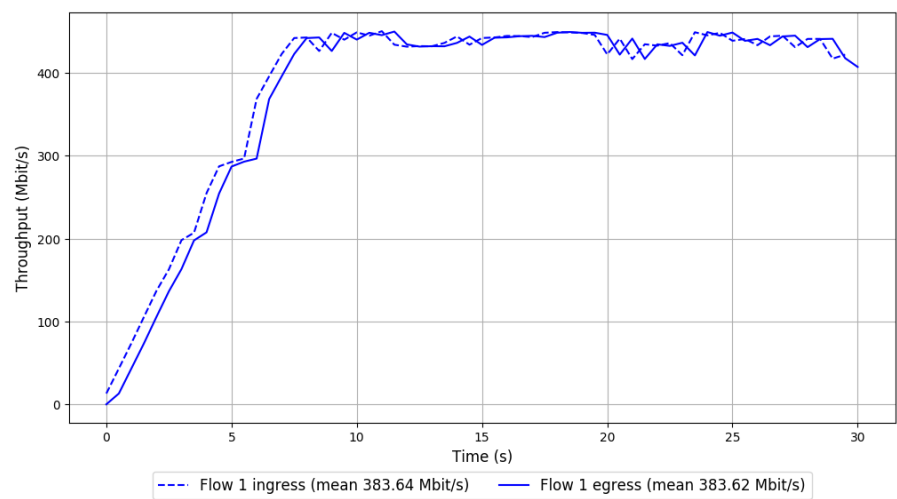


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 22:01:37
End at: 2018-06-05 22:02:07
Local clock offset: 0.168 ms
Remote clock offset: -1.749 ms

Below is generated by plot.py at 2018-06-06 00:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.62 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 383.62 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-05 22:25:52

End at: 2018-06-05 22:26:22

Local clock offset: 0.282 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-06-06 00:37:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.58 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.03%

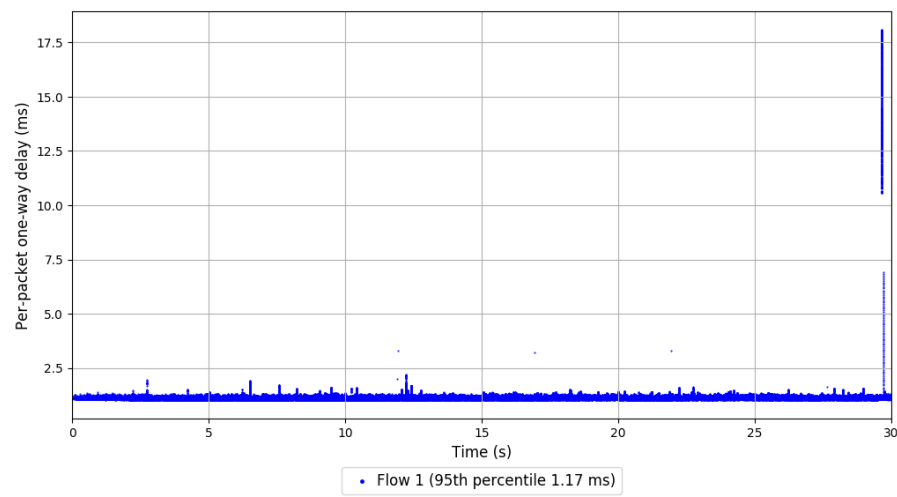
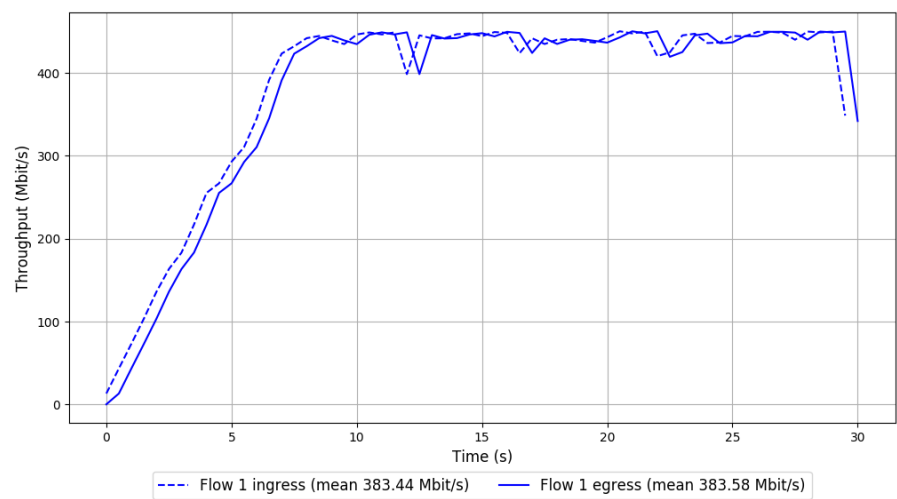
-- Flow 1:

Average throughput: 383.58 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.03%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-05 22:49:57

End at: 2018-06-05 22:50:27

Local clock offset: 0.37 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-06-06 00:38:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 415.06 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.07%

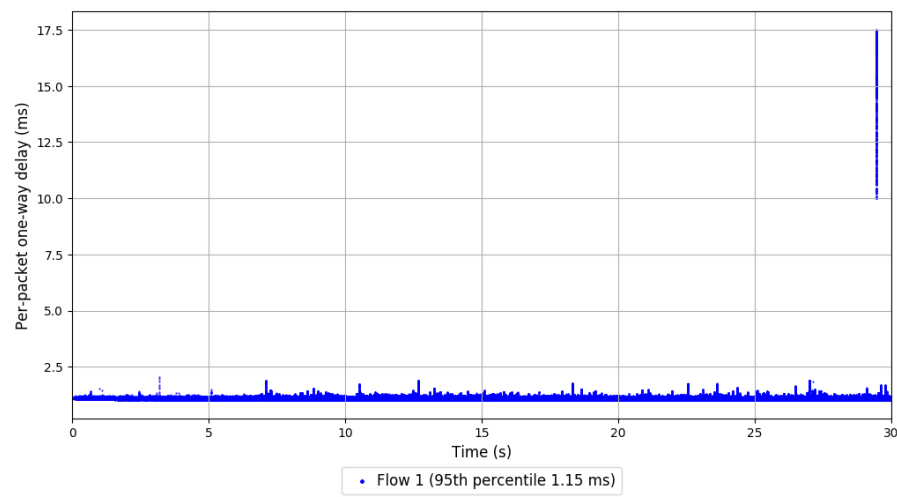
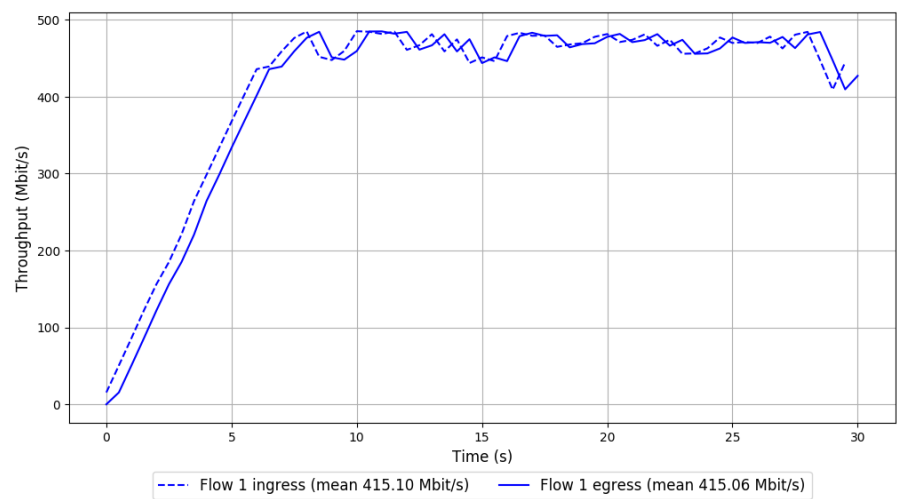
-- Flow 1:

Average throughput: 415.06 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.07%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-05 23:14:03

End at: 2018-06-05 23:14:33

Local clock offset: 0.417 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-06-06 00:38:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.90 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.08%

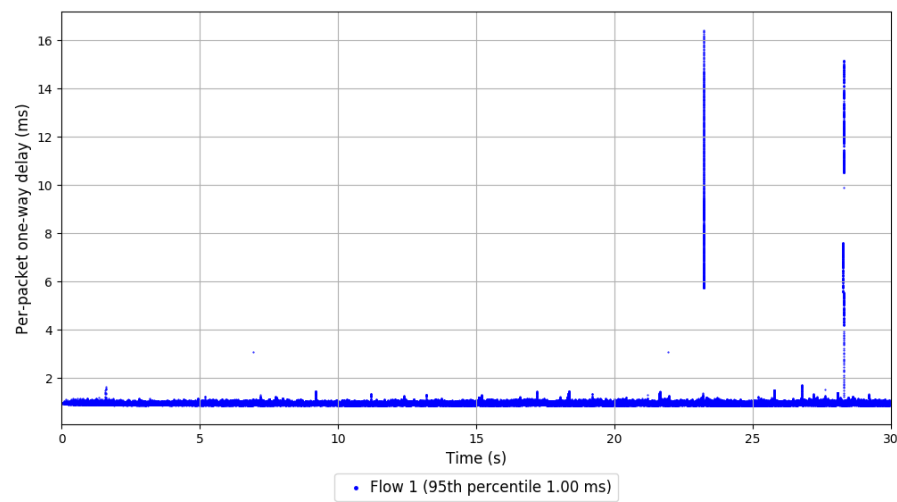
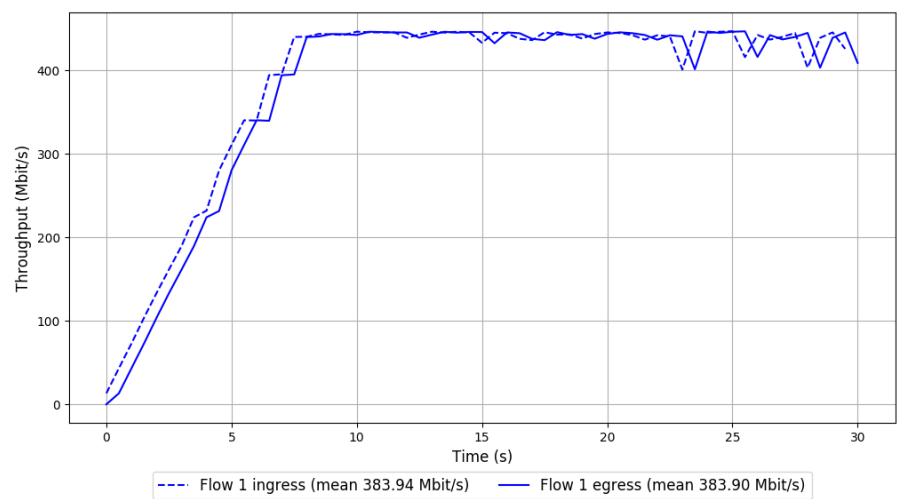
-- Flow 1:

Average throughput: 383.90 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

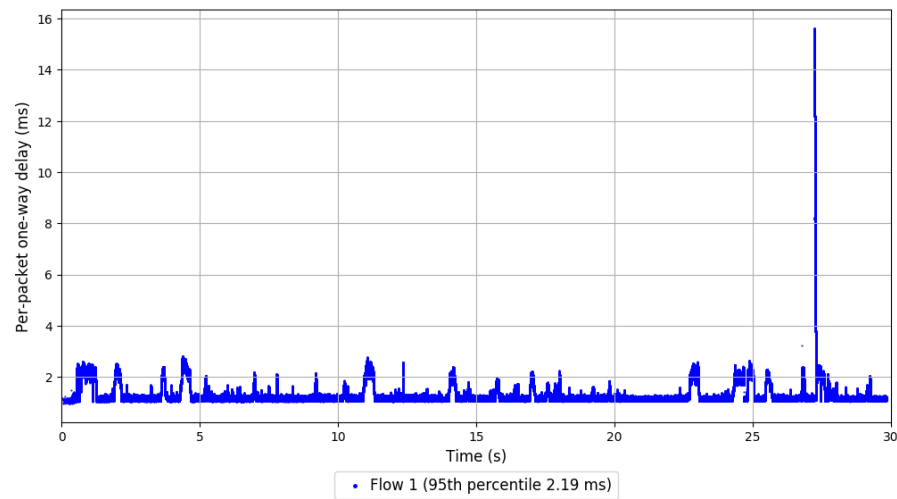
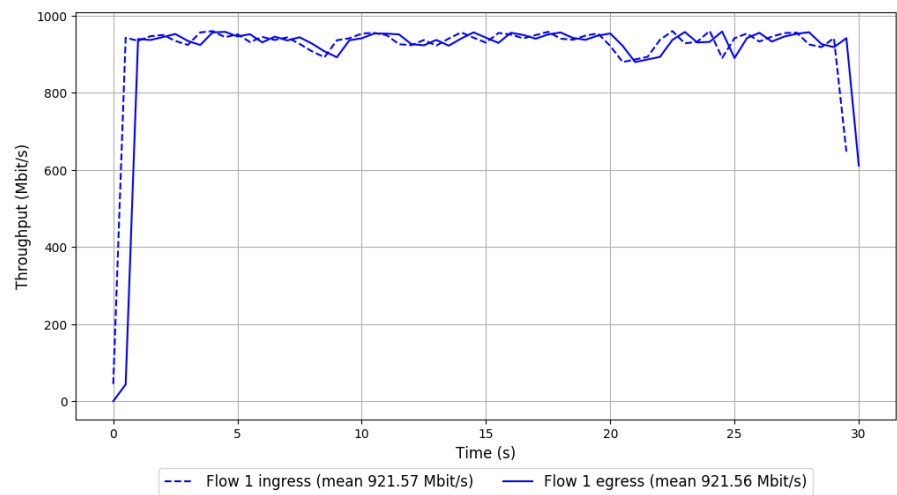


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 19:49:52
End at: 2018-06-05 19:50:22
Local clock offset: 0.223 ms
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-06-06 00:44:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 921.56 Mbit/s
95th percentile per-packet one-way delay: 2.190 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 921.56 Mbit/s
95th percentile per-packet one-way delay: 2.190 ms
Loss rate: 0.07%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 20:14:06

End at: 2018-06-05 20:14:36

Local clock offset: -0.127 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-06-06 00:44:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 915.95 Mbit/s

95th percentile per-packet one-way delay: 1.892 ms

Loss rate: 0.07%

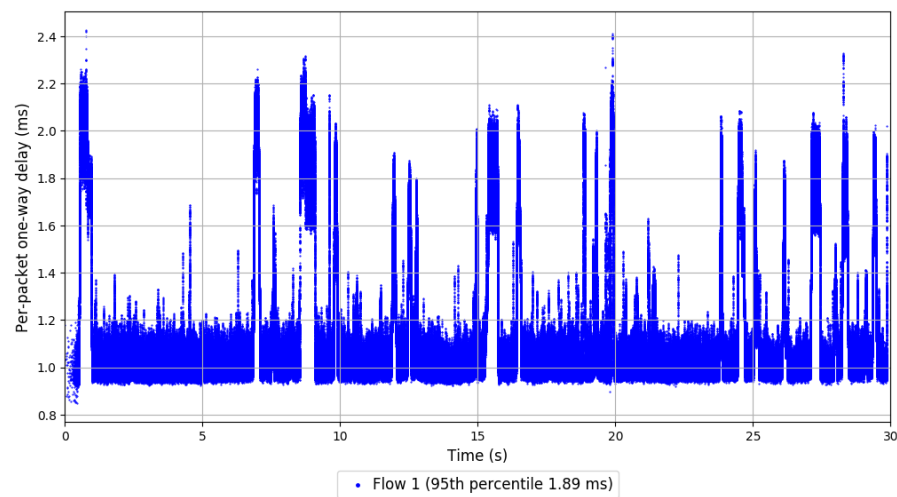
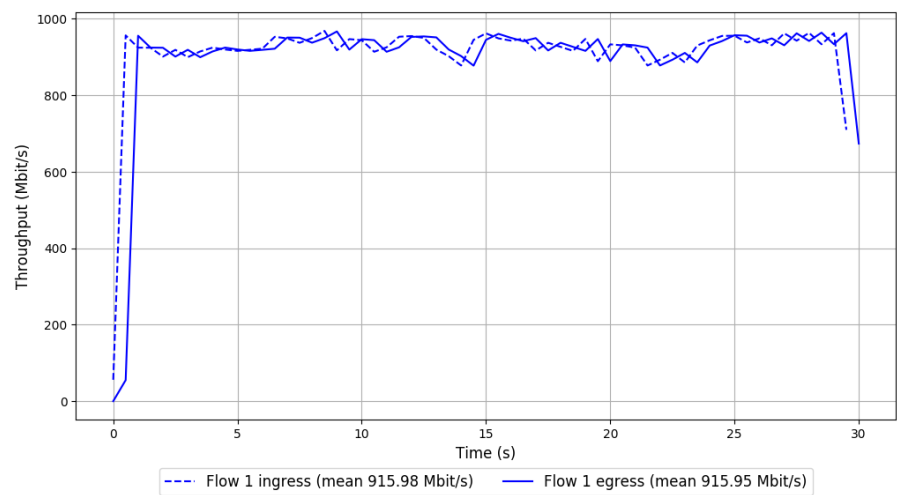
-- Flow 1:

Average throughput: 915.95 Mbit/s

95th percentile per-packet one-way delay: 1.892 ms

Loss rate: 0.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 20:38:17

End at: 2018-06-05 20:38:47

Local clock offset: 0.337 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-06 00:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 901.68 Mbit/s

95th percentile per-packet one-way delay: 1.925 ms

Loss rate: 0.07%

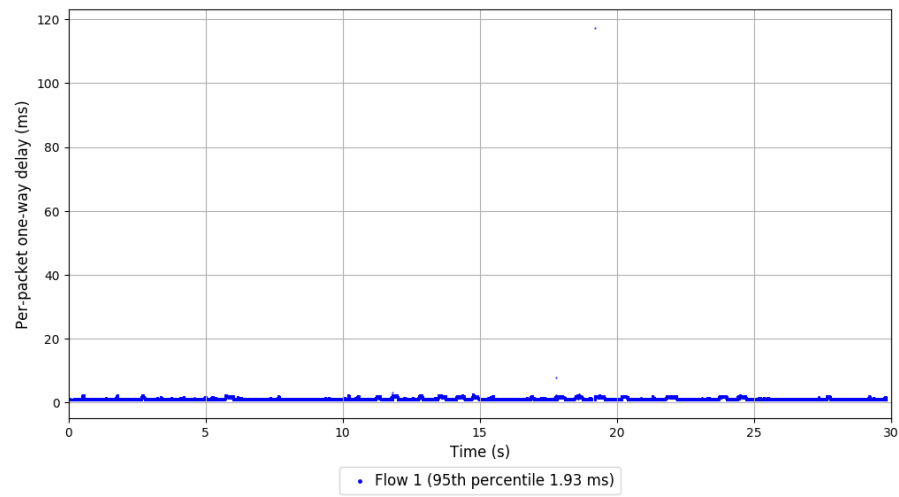
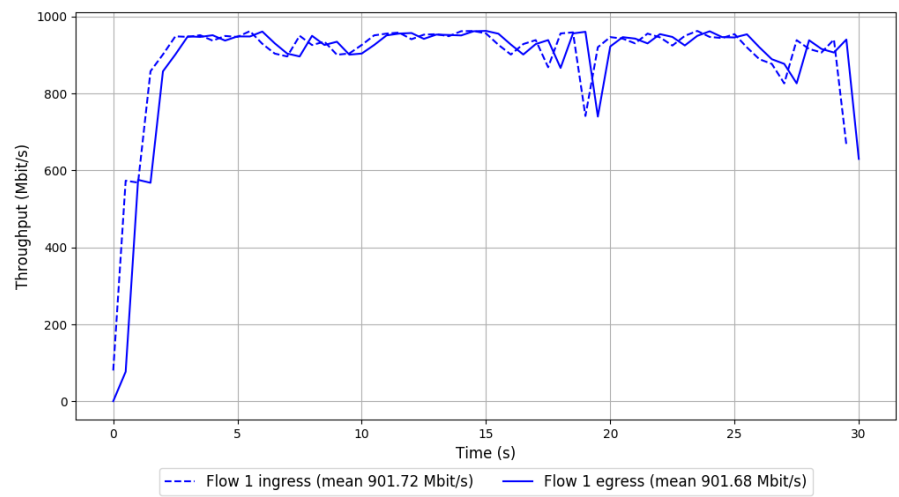
-- Flow 1:

Average throughput: 901.68 Mbit/s

95th percentile per-packet one-way delay: 1.925 ms

Loss rate: 0.07%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 21:02:23

End at: 2018-06-05 21:02:53

Local clock offset: 0.65 ms

Remote clock offset: -1.315 ms

Below is generated by plot.py at 2018-06-06 00:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 920.62 Mbit/s

95th percentile per-packet one-way delay: 2.107 ms

Loss rate: 0.07%

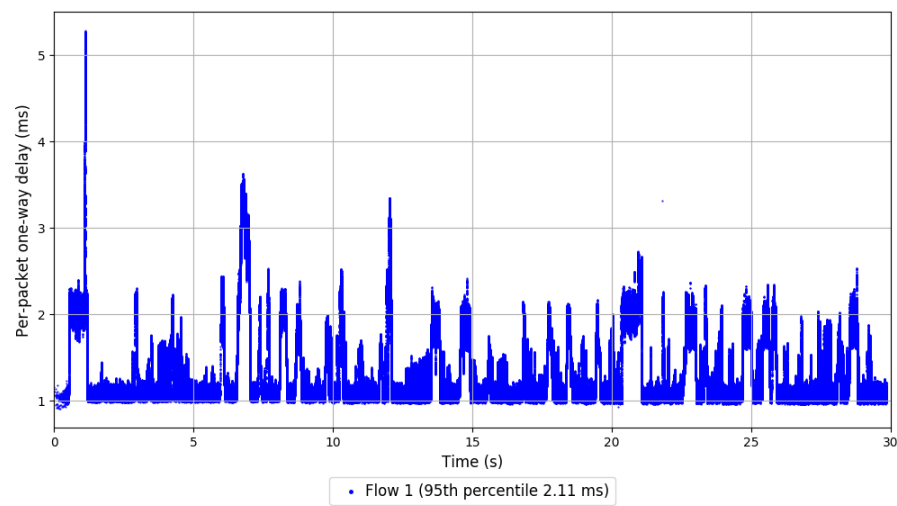
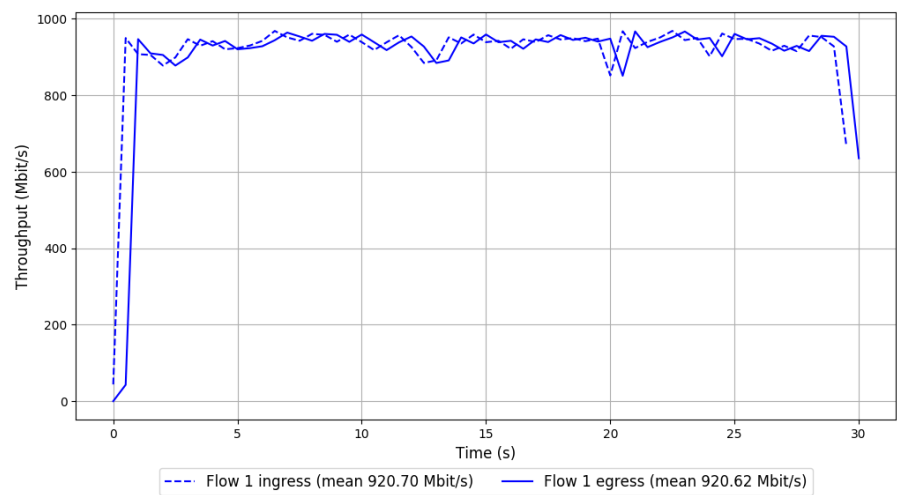
-- Flow 1:

Average throughput: 920.62 Mbit/s

95th percentile per-packet one-way delay: 2.107 ms

Loss rate: 0.07%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 21:26:27

End at: 2018-06-05 21:26:57

Local clock offset: 0.461 ms

Remote clock offset: -2.003 ms

Below is generated by plot.py at 2018-06-06 00:48:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 921.44 Mbit/s

95th percentile per-packet one-way delay: 2.042 ms

Loss rate: 0.07%

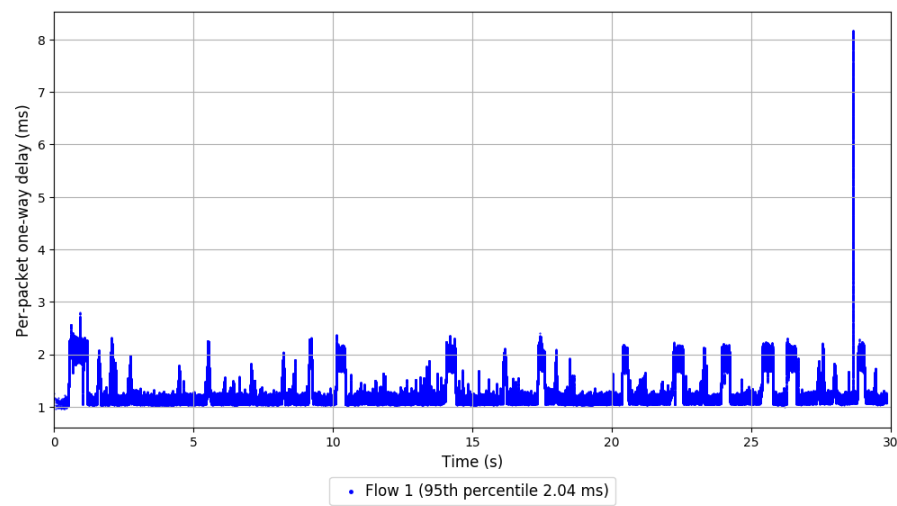
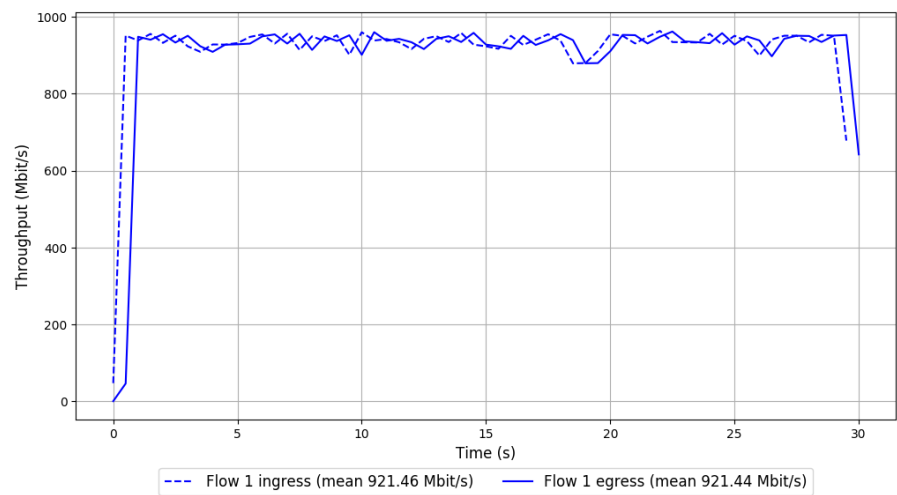
-- Flow 1:

Average throughput: 921.44 Mbit/s

95th percentile per-packet one-way delay: 2.042 ms

Loss rate: 0.07%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 21:50:39

End at: 2018-06-05 21:51:09

Local clock offset: 0.054 ms

Remote clock offset: -2.414 ms

Below is generated by plot.py at 2018-06-06 00:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 914.53 Mbit/s

95th percentile per-packet one-way delay: 1.932 ms

Loss rate: 0.07%

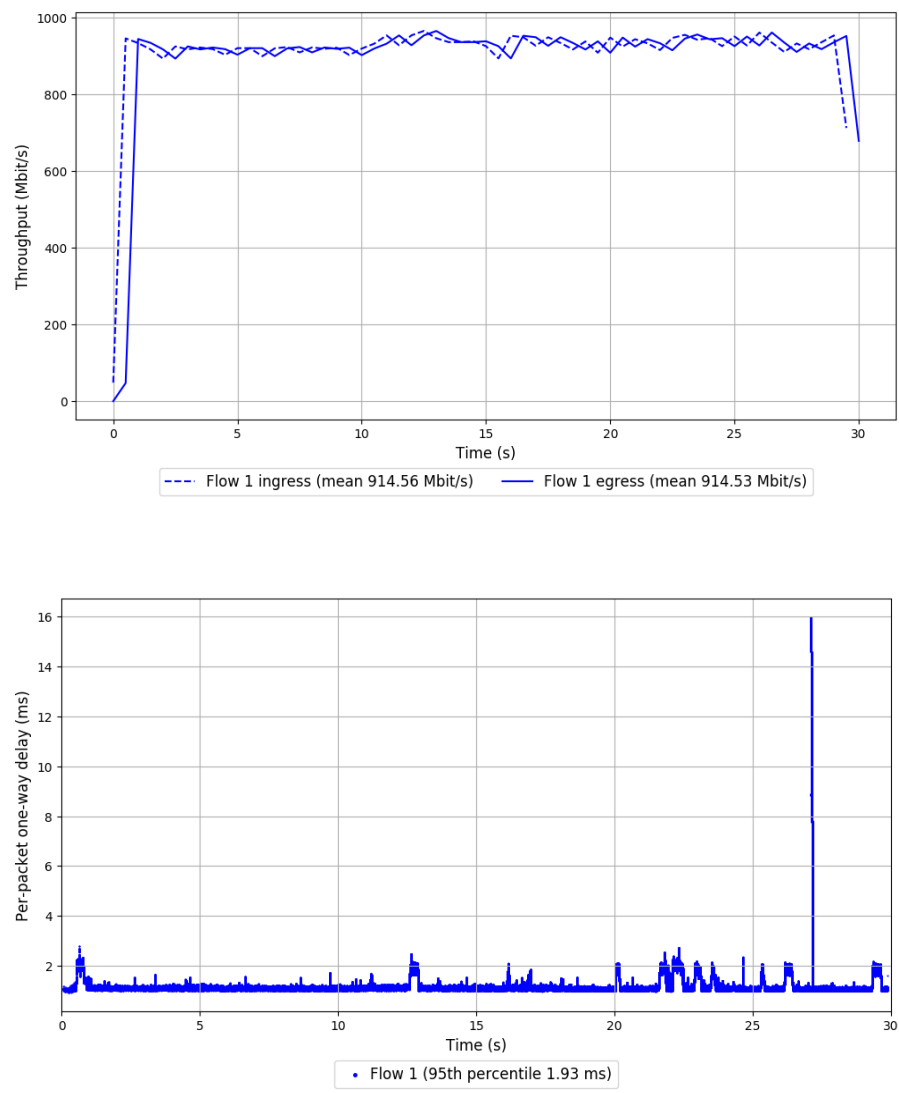
-- Flow 1:

Average throughput: 914.53 Mbit/s

95th percentile per-packet one-way delay: 1.932 ms

Loss rate: 0.07%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 22:14:51

End at: 2018-06-05 22:15:21

Local clock offset: 0.175 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-06-06 00:49:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 916.11 Mbit/s

95th percentile per-packet one-way delay: 1.985 ms

Loss rate: 0.07%

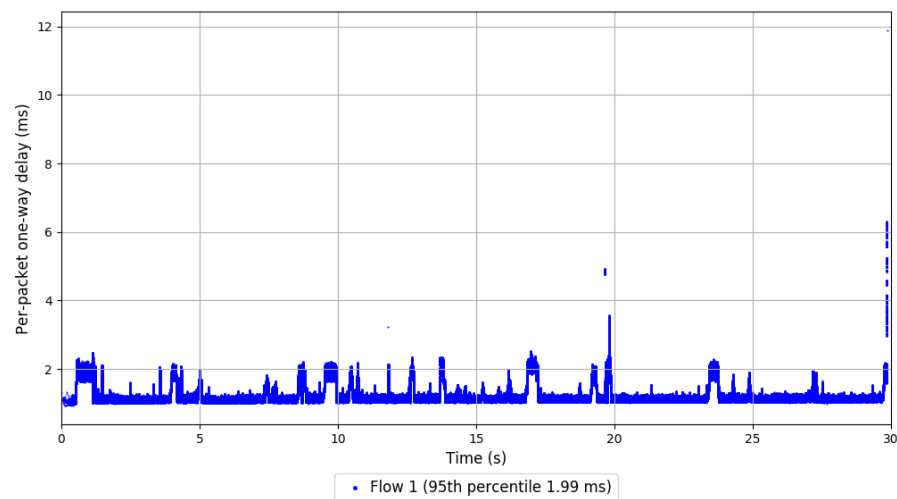
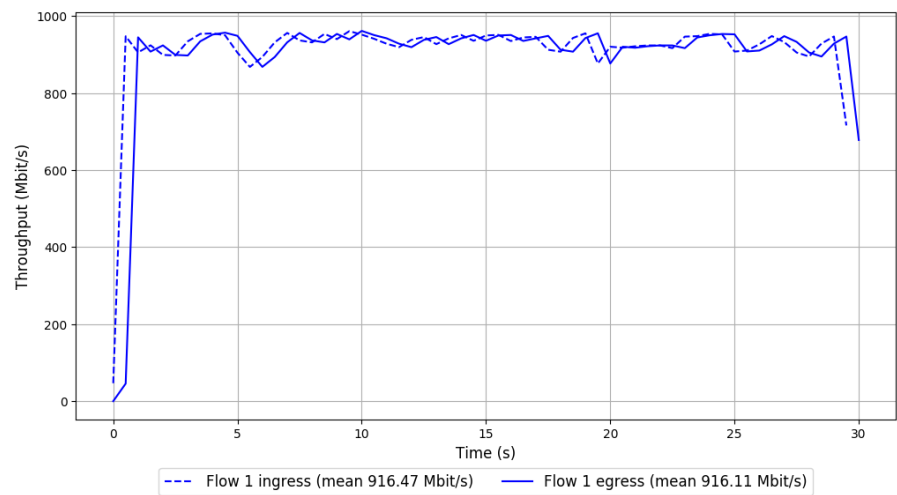
-- Flow 1:

Average throughput: 916.11 Mbit/s

95th percentile per-packet one-way delay: 1.985 ms

Loss rate: 0.07%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 22:39:04

End at: 2018-06-05 22:39:34

Local clock offset: 0.347 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-06-06 00:49:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 919.37 Mbit/s

95th percentile per-packet one-way delay: 2.151 ms

Loss rate: 0.06%

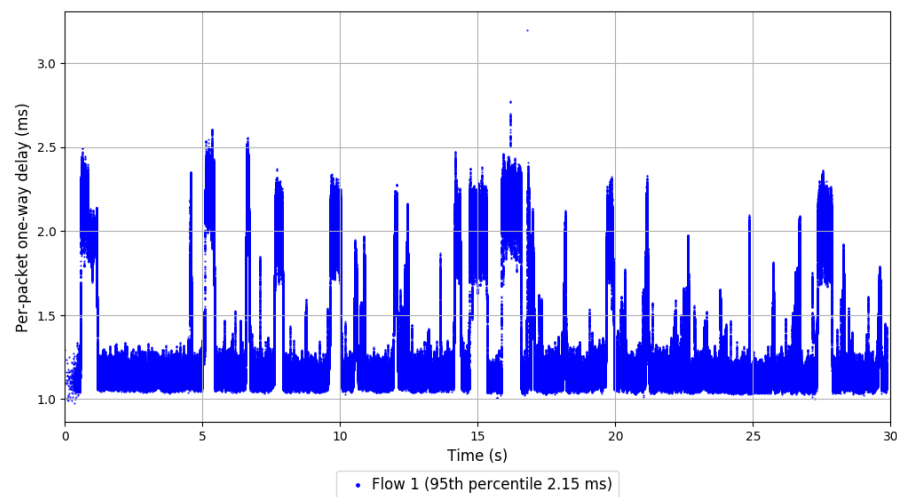
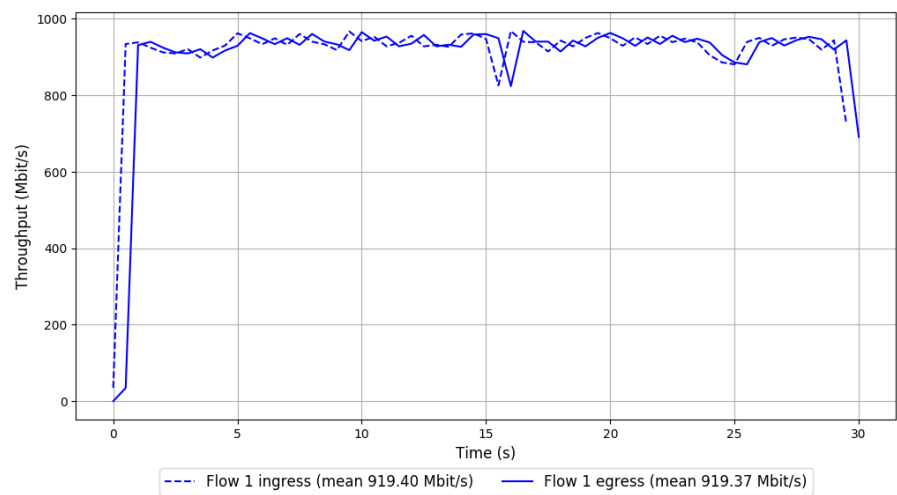
-- Flow 1:

Average throughput: 919.37 Mbit/s

95th percentile per-packet one-way delay: 2.151 ms

Loss rate: 0.06%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 23:03:05

End at: 2018-06-05 23:03:35

Local clock offset: 0.49 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-06-06 00:56:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 907.95 Mbit/s

95th percentile per-packet one-way delay: 2.298 ms

Loss rate: 0.09%

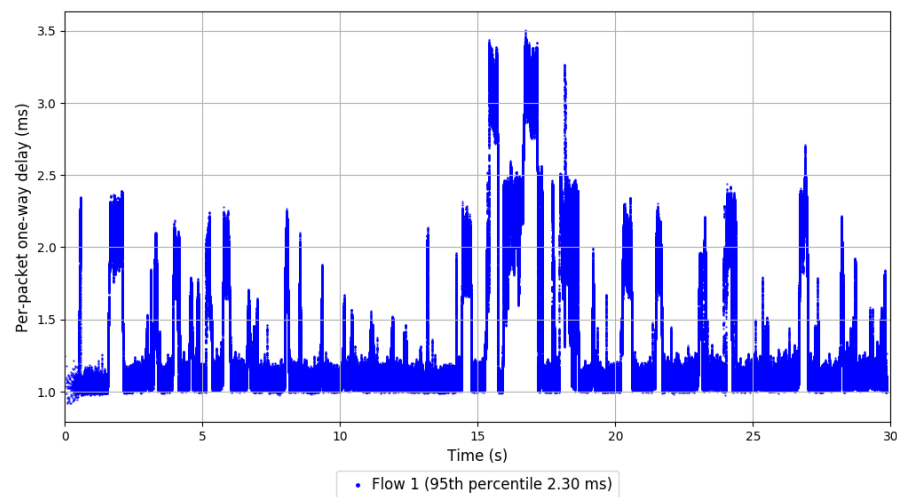
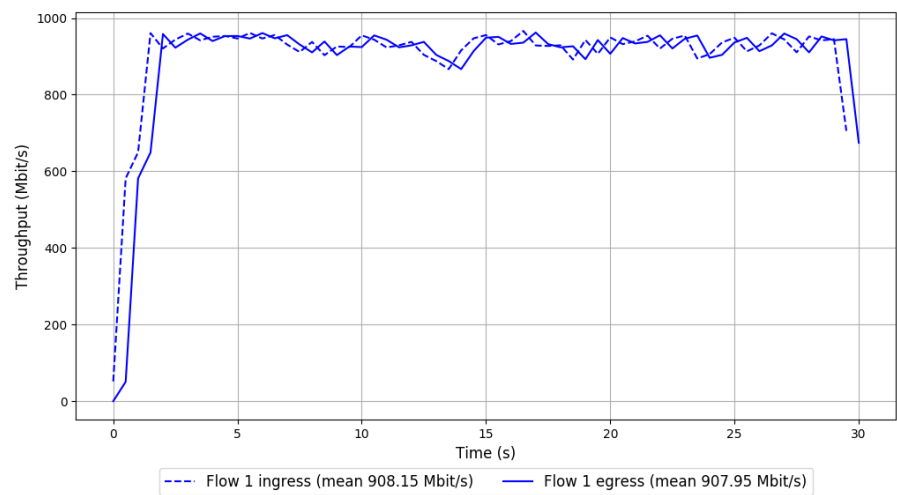
-- Flow 1:

Average throughput: 907.95 Mbit/s

95th percentile per-packet one-way delay: 2.298 ms

Loss rate: 0.09%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 23:27:13

End at: 2018-06-05 23:27:44

Local clock offset: 0.166 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-06 00:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 911.69 Mbit/s

95th percentile per-packet one-way delay: 1.970 ms

Loss rate: 0.07%

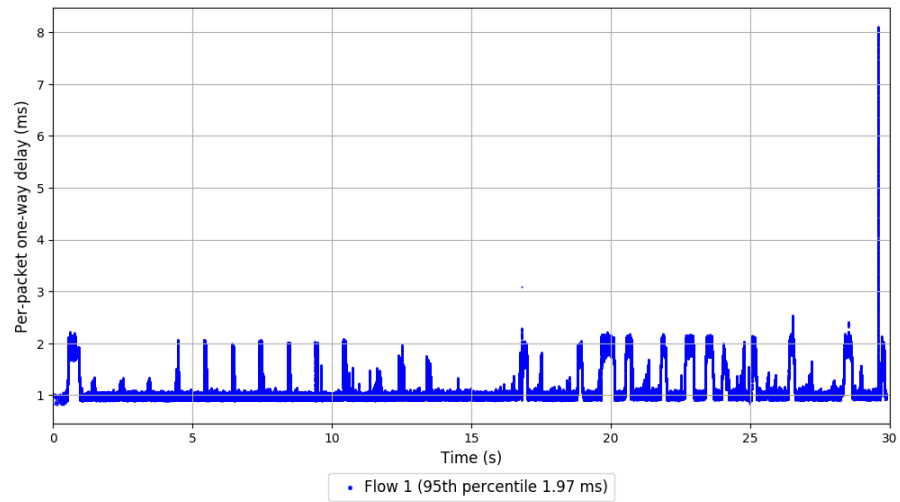
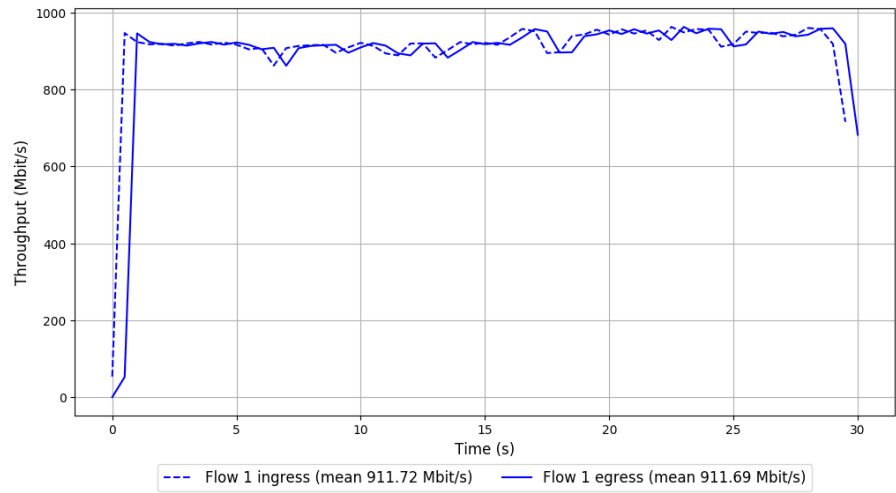
-- Flow 1:

Average throughput: 911.69 Mbit/s

95th percentile per-packet one-way delay: 1.970 ms

Loss rate: 0.07%

Run 10: Report of PCC-Allegro — Data Link

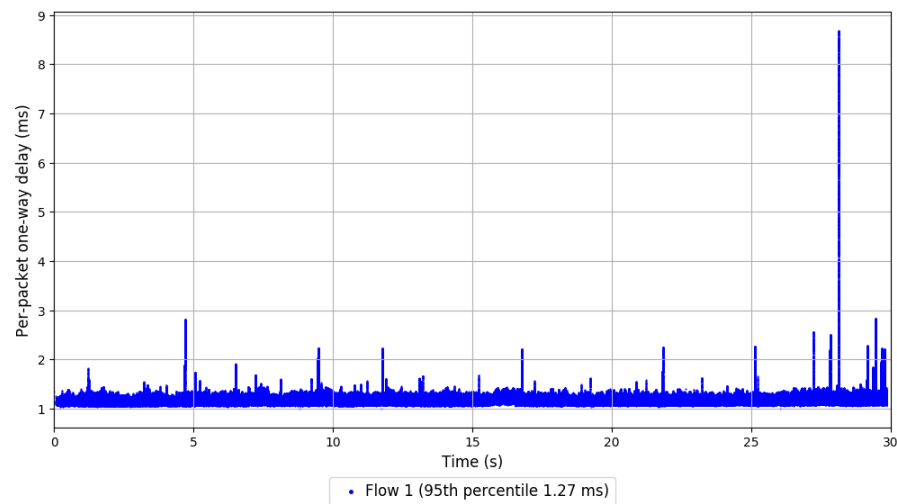
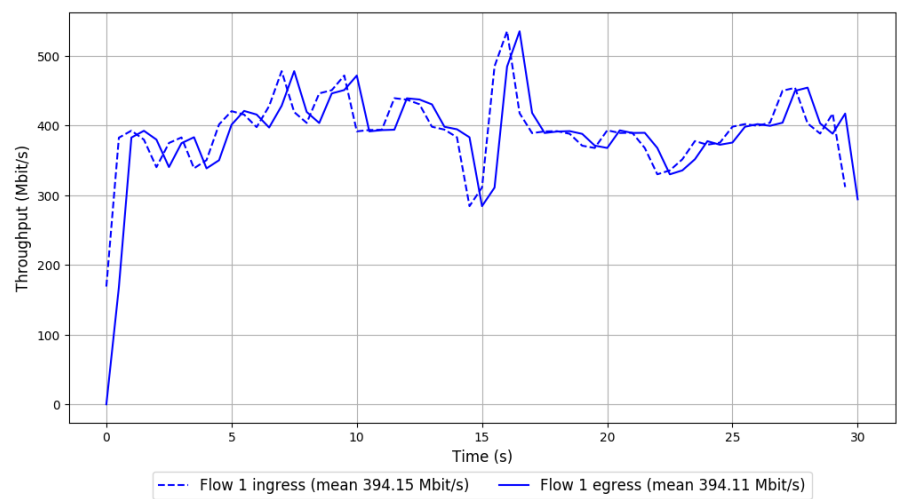


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 19:43:37
End at: 2018-06-05 19:44:07
Local clock offset: 0.246 ms
Remote clock offset: -0.338 ms

# Below is generated by plot.py at 2018-06-06 00:56:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 394.11 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 394.11 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.08%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 20:07:52

End at: 2018-06-05 20:08:22

Local clock offset: -0.097 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-06-06 00:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.24 Mbit/s

95th percentile per-packet one-way delay: 1.002 ms

Loss rate: 0.07%

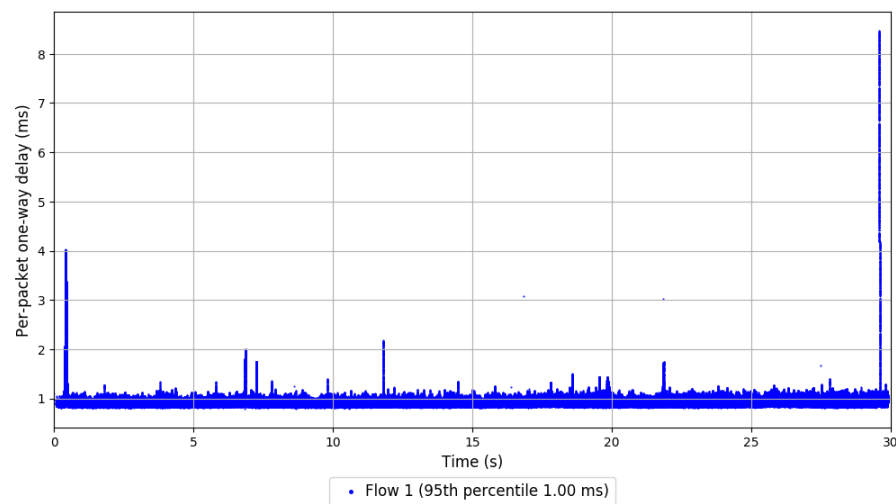
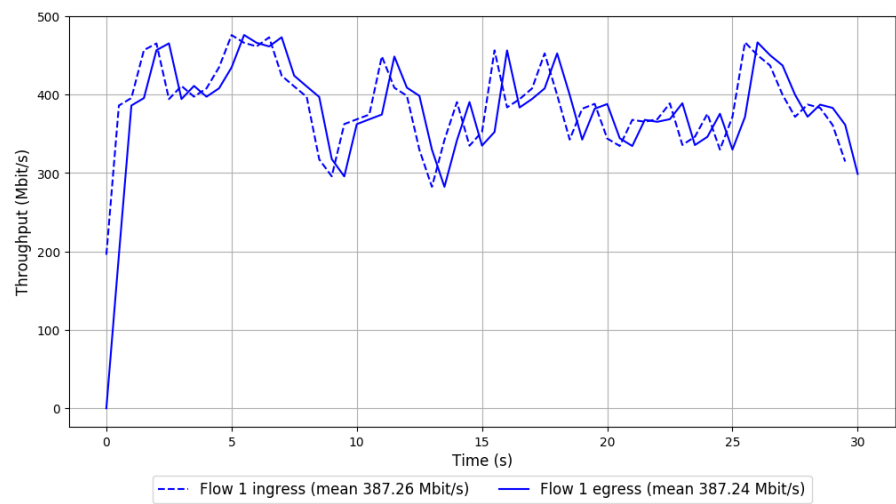
-- Flow 1:

Average throughput: 387.24 Mbit/s

95th percentile per-packet one-way delay: 1.002 ms

Loss rate: 0.07%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 20:32:04

End at: 2018-06-05 20:32:34

Local clock offset: 0.317 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-06 00:57:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.49 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.07%

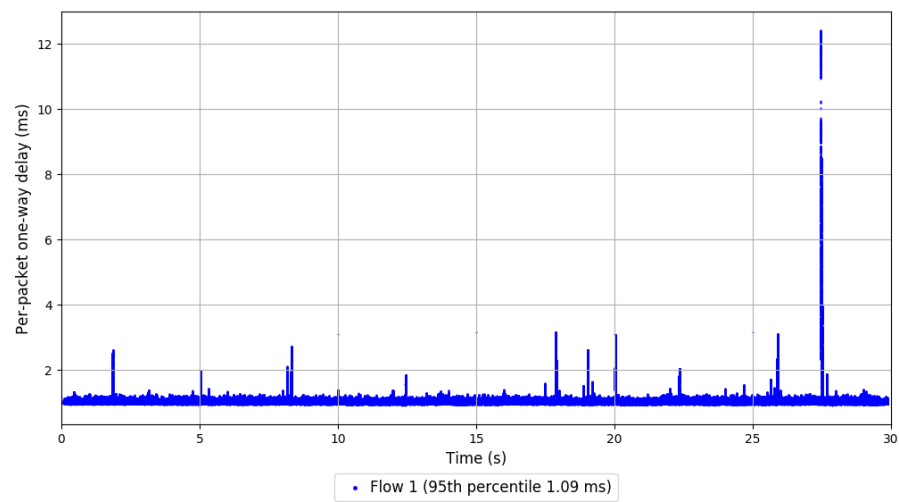
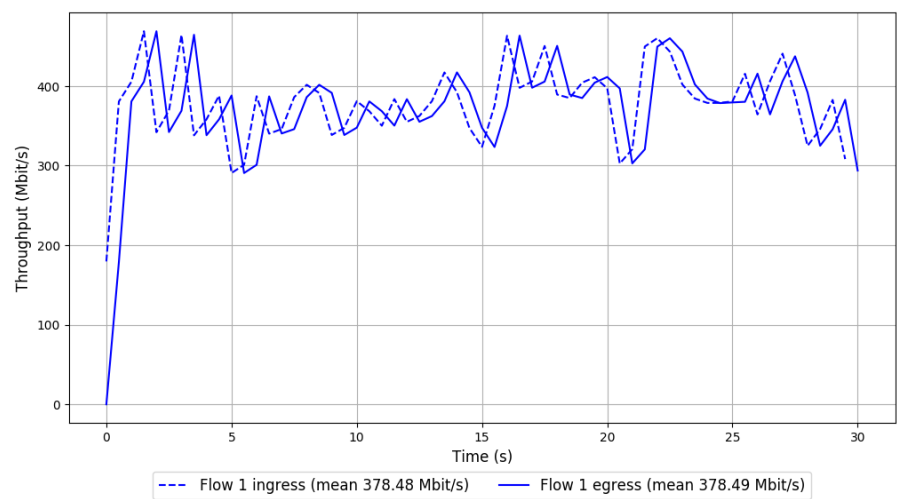
-- Flow 1:

Average throughput: 378.49 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.07%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 20:56:12
End at: 2018-06-05 20:56:42
Local clock offset: 0.614 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2018-06-06 00:57:03

Datalink statistics

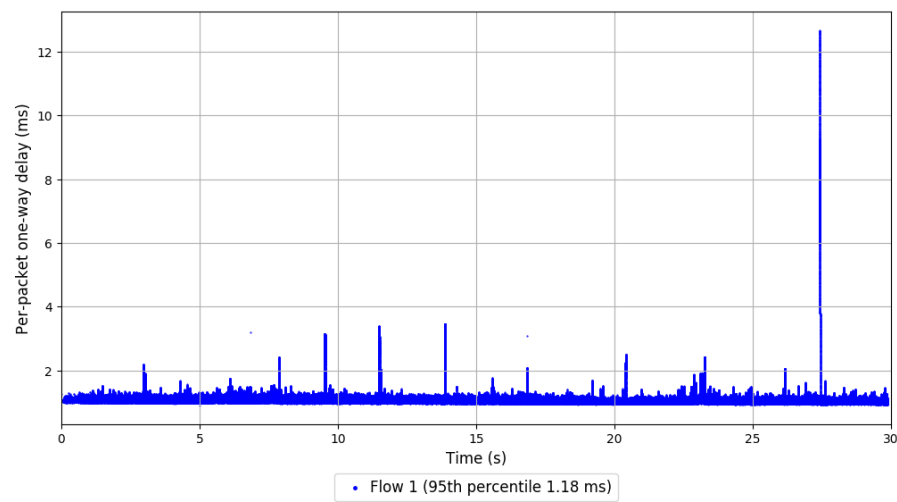
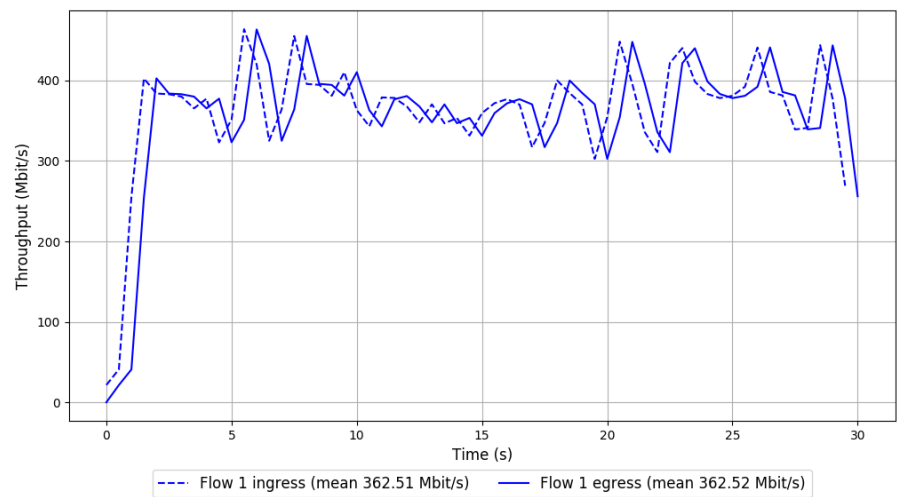
-- Total of 1 flow:

Average throughput: 362.52 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.06%

-- Flow 1:

Average throughput: 362.52 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.06%

Run 4: Report of PCC-Expr — Data Link

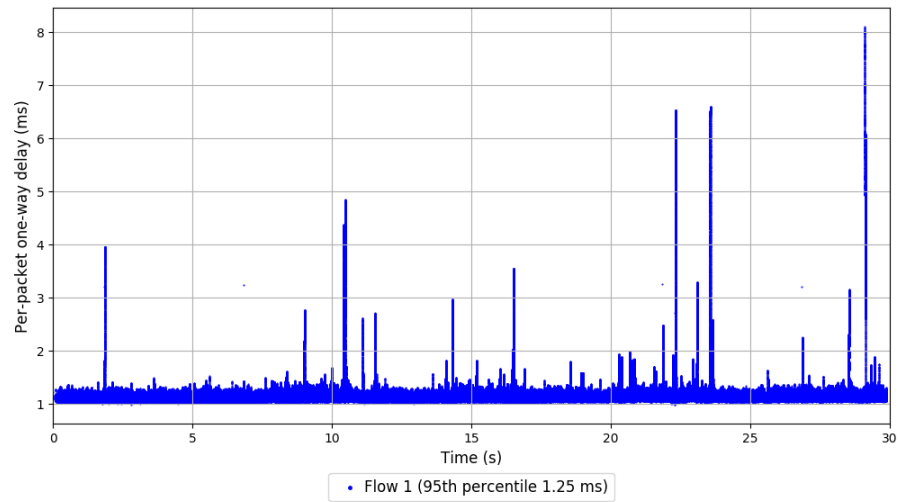
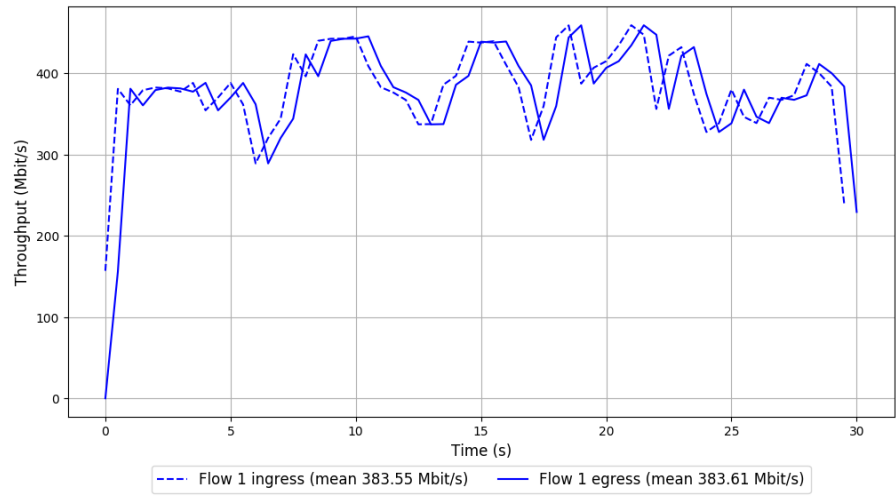


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 21:20:12
End at: 2018-06-05 21:20:42
Local clock offset: 0.806 ms
Remote clock offset: -1.843 ms

Below is generated by plot.py at 2018-06-06 00:57:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.61 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 383.61 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.05%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 21:44:22

End at: 2018-06-05 21:44:52

Local clock offset: 0.093 ms

Remote clock offset: -2.301 ms

Below is generated by plot.py at 2018-06-06 00:57:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.41 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.07%

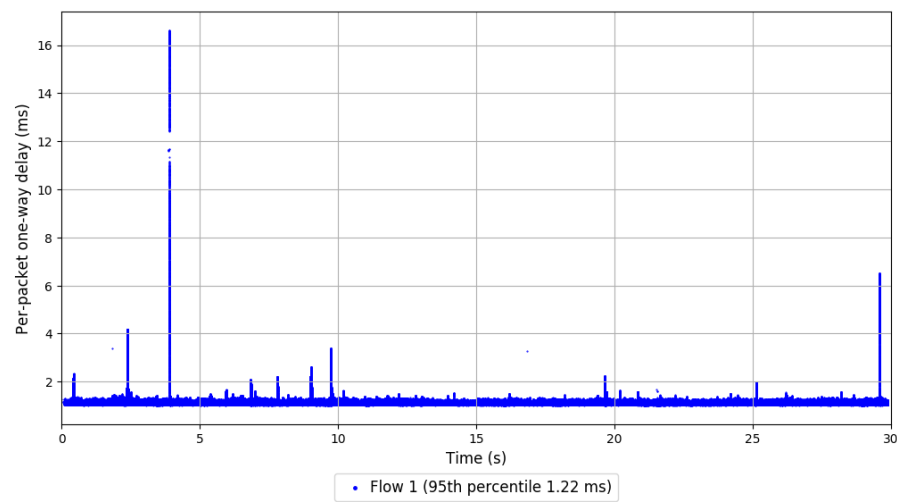
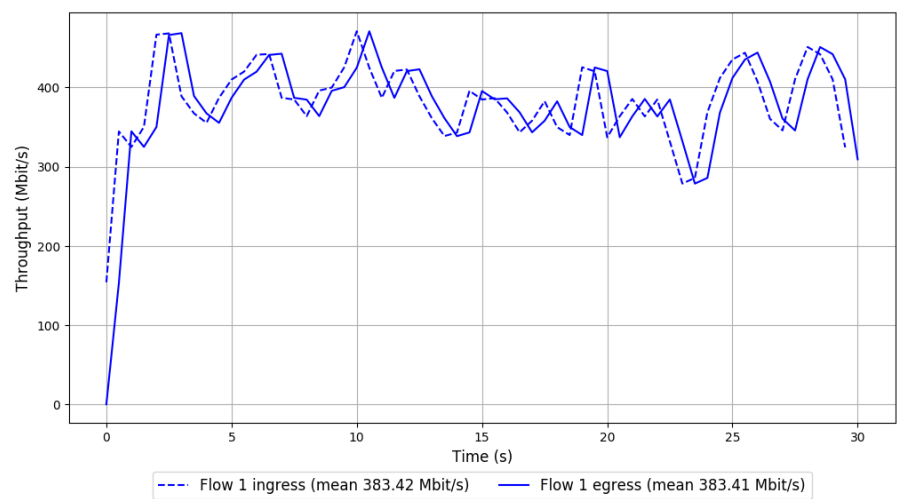
-- Flow 1:

Average throughput: 383.41 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.07%

Run 6: Report of PCC-Expr — Data Link

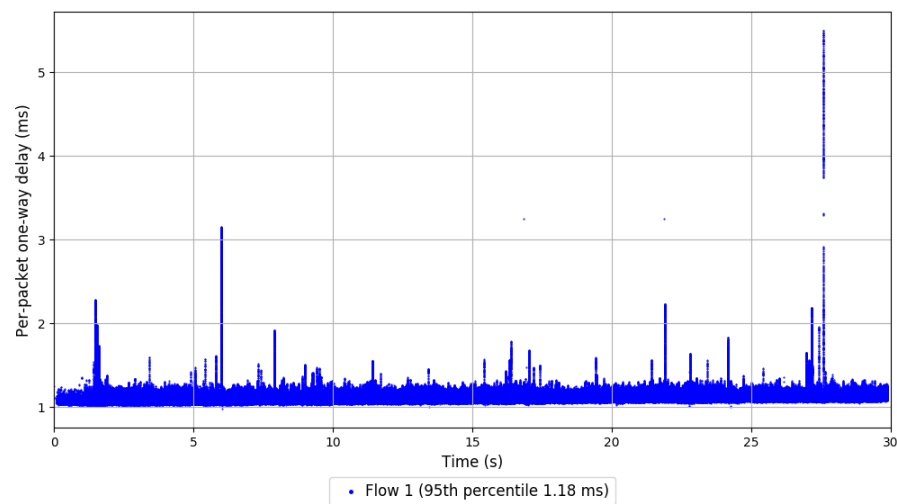
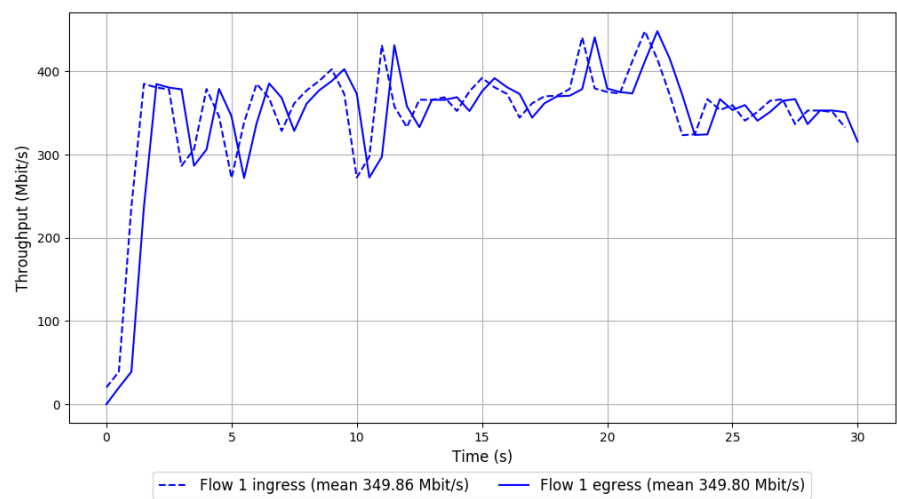


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 22:08:37
End at: 2018-06-05 22:09:07
Local clock offset: 0.173 ms
Remote clock offset: -0.679 ms

Below is generated by plot.py at 2018-06-06 01:02:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.80 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 349.80 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.09%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 22:32:50

End at: 2018-06-05 22:33:20

Local clock offset: 0.328 ms

Remote clock offset: 0.576 ms

Below is generated by plot.py at 2018-06-06 01:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.32 Mbit/s

95th percentile per-packet one-way delay: 1.182 ms

Loss rate: 0.06%

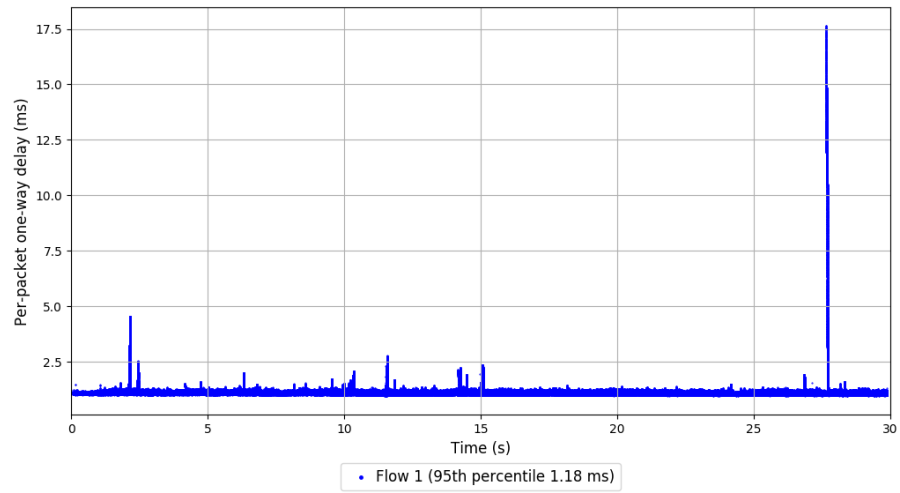
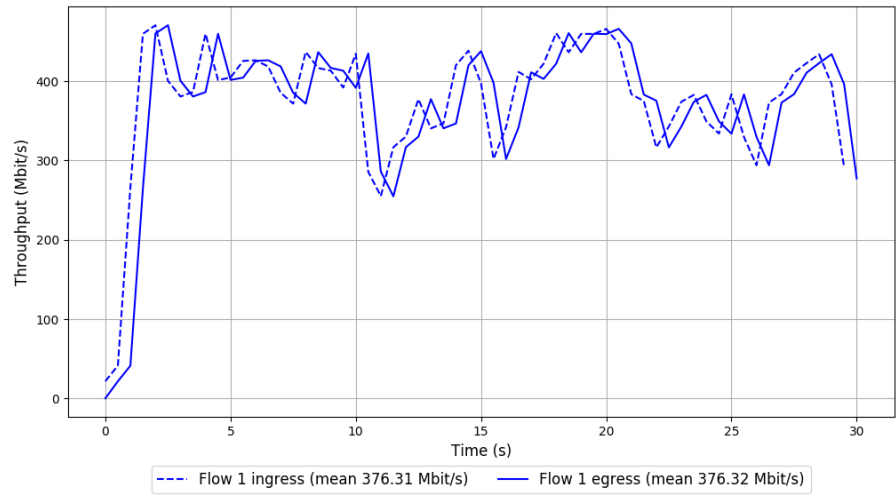
-- Flow 1:

Average throughput: 376.32 Mbit/s

95th percentile per-packet one-way delay: 1.182 ms

Loss rate: 0.06%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 22:56:52

End at: 2018-06-05 22:57:22

Local clock offset: 0.444 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-06-06 01:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.28 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.06%

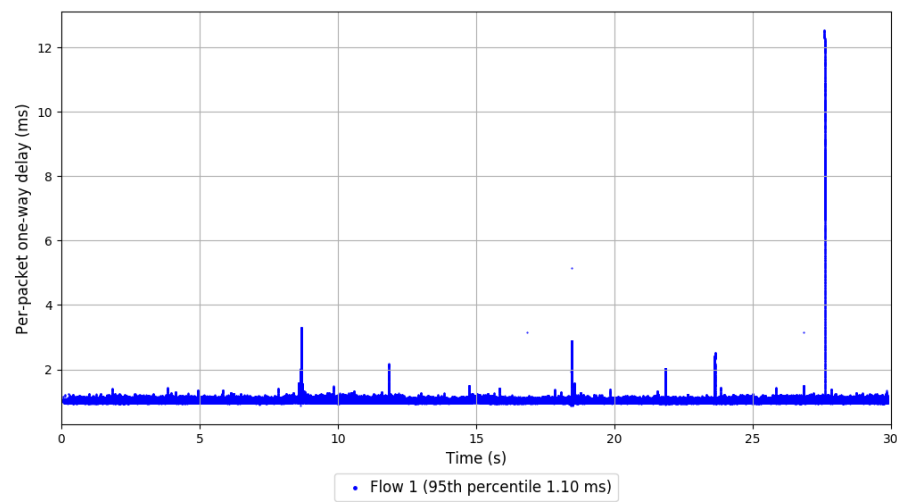
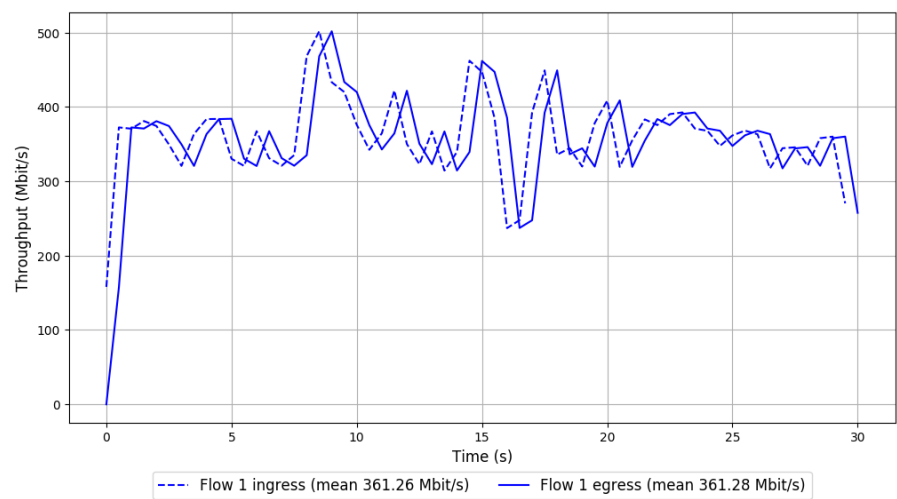
-- Flow 1:

Average throughput: 361.28 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.06%

Run 9: Report of PCC-Expr — Data Link

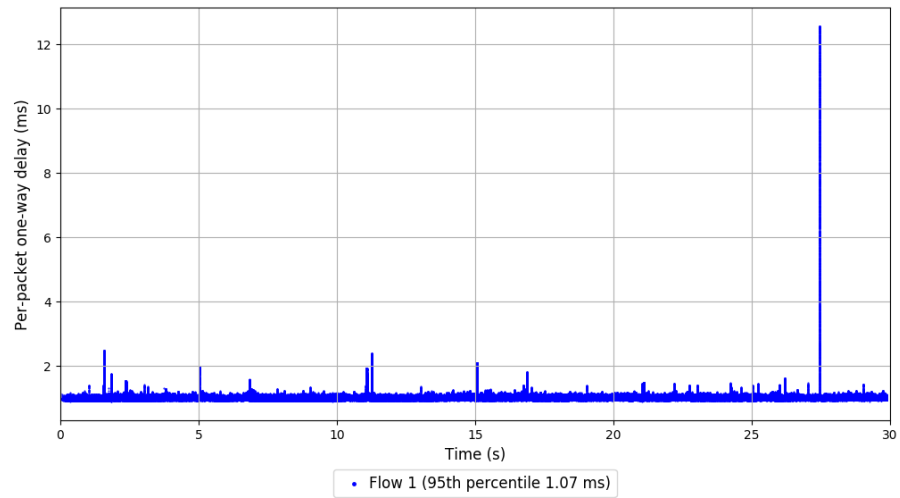
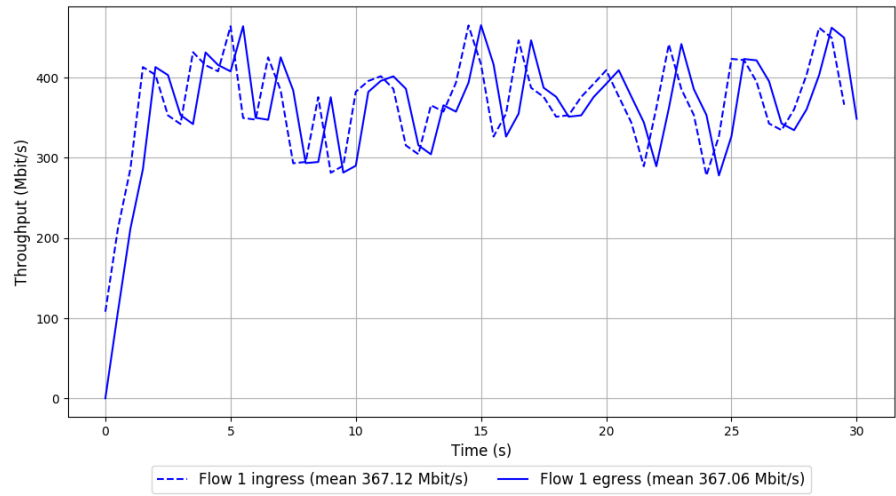


Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 23:20:59
End at: 2018-06-05 23:21:29
Local clock offset: 0.362 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.06 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 367.06 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.08%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 19:45:18

End at: 2018-06-05 19:45:48

Local clock offset: 0.239 ms

Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 1.212 ms

Loss rate: 0.07%

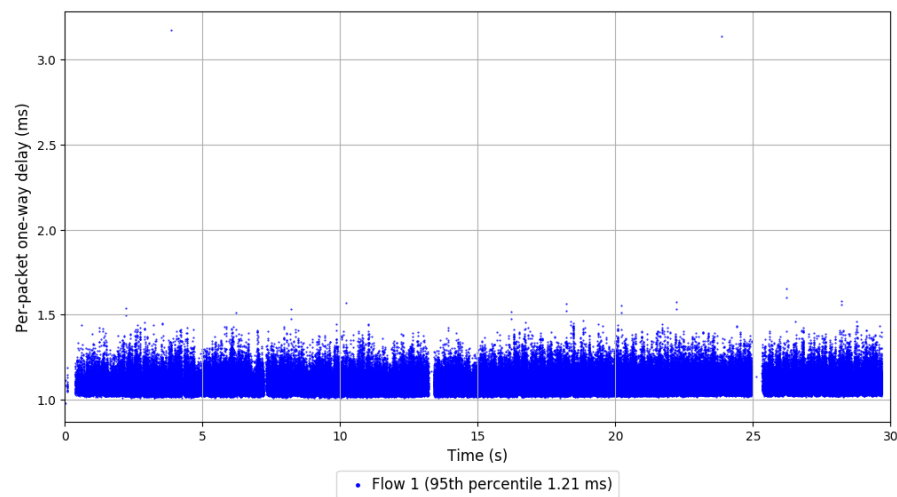
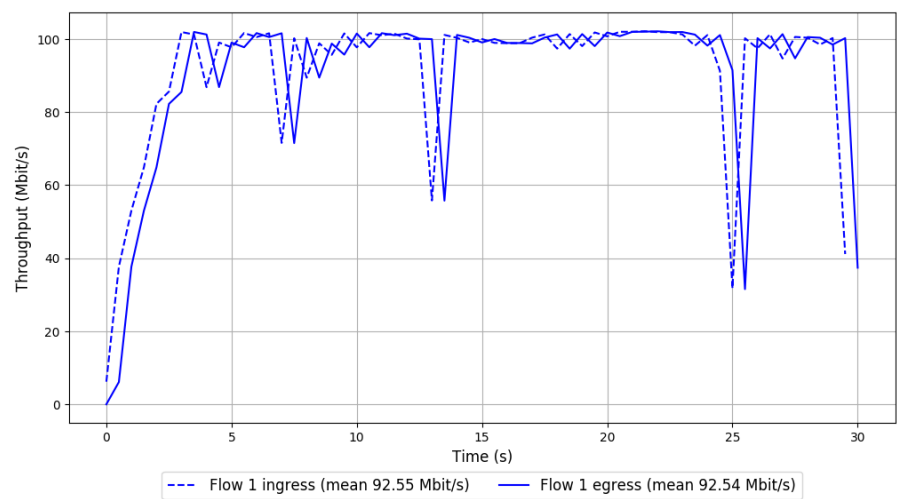
-- Flow 1:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 1.212 ms

Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 20:09:33

End at: 2018-06-05 20:10:03

Local clock offset: -0.104 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.60 Mbit/s

95th percentile per-packet one-way delay: 1.083 ms

Loss rate: 0.06%

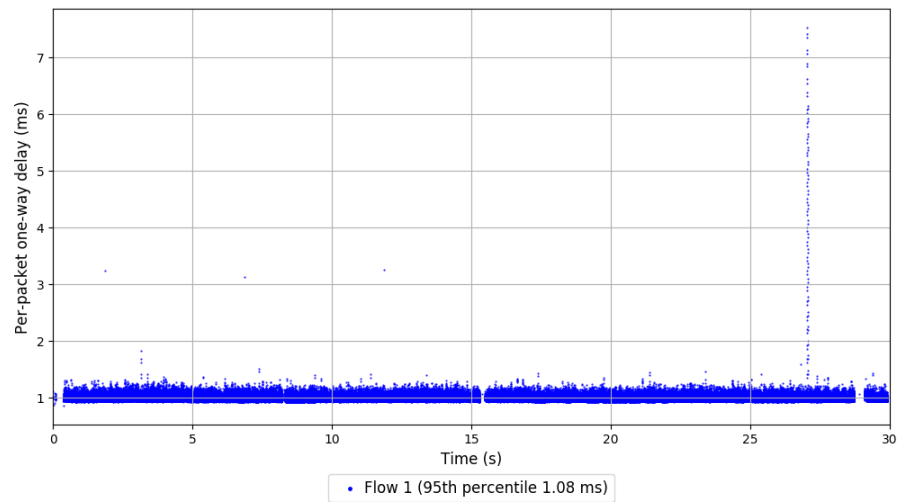
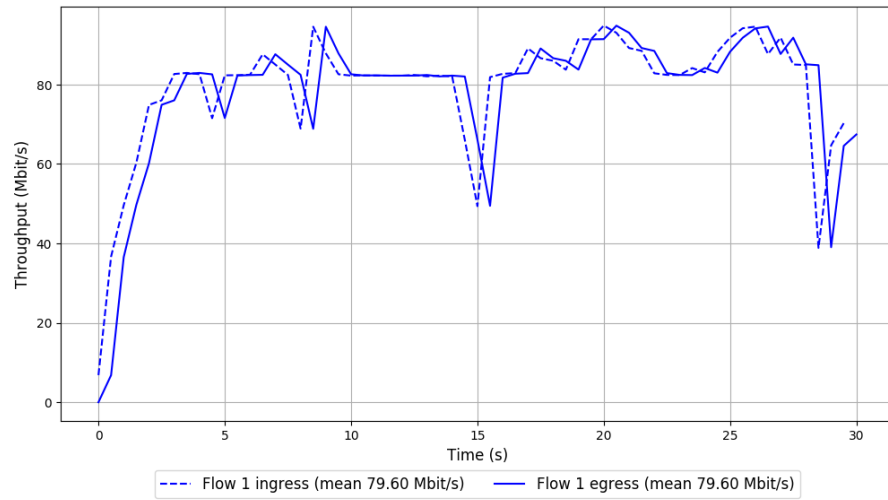
-- Flow 1:

Average throughput: 79.60 Mbit/s

95th percentile per-packet one-way delay: 1.083 ms

Loss rate: 0.06%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 20:33:44

End at: 2018-06-05 20:34:14

Local clock offset: 0.358 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.69 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.07%

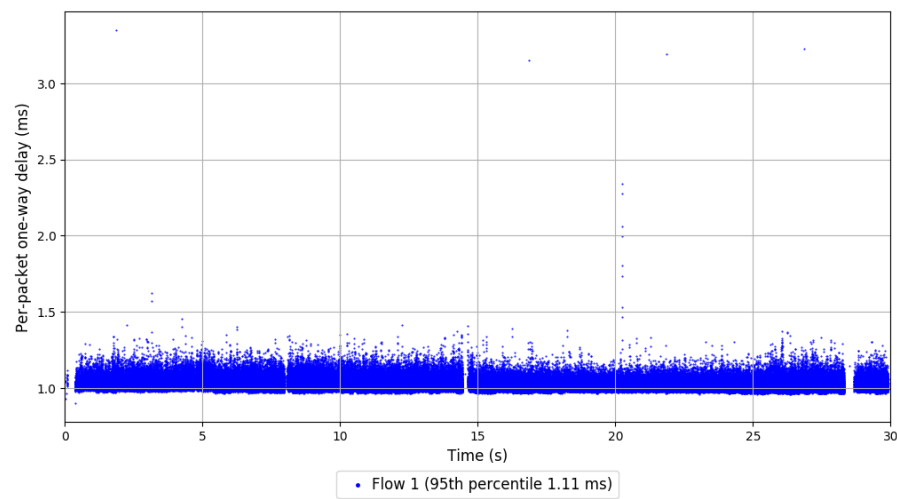
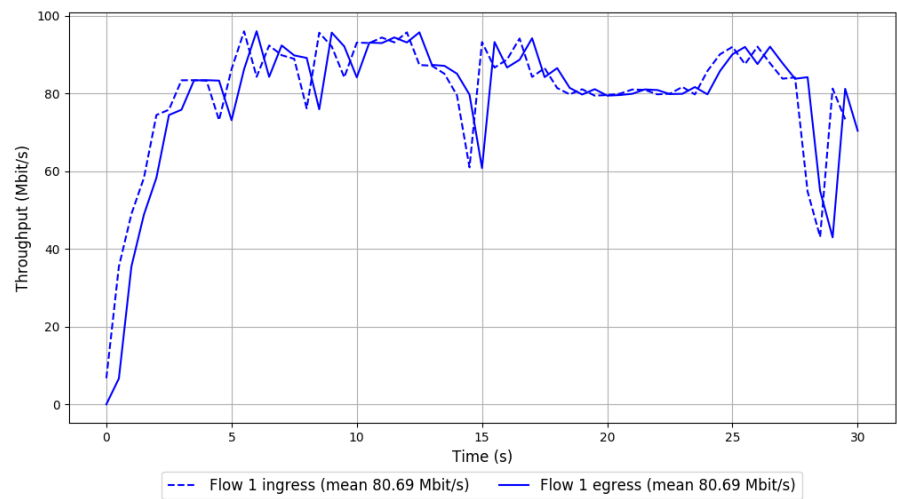
-- Flow 1:

Average throughput: 80.69 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 20:57:51

End at: 2018-06-05 20:58:21

Local clock offset: 0.515 ms

Remote clock offset: -0.993 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 1.008 ms

Loss rate: 0.03%

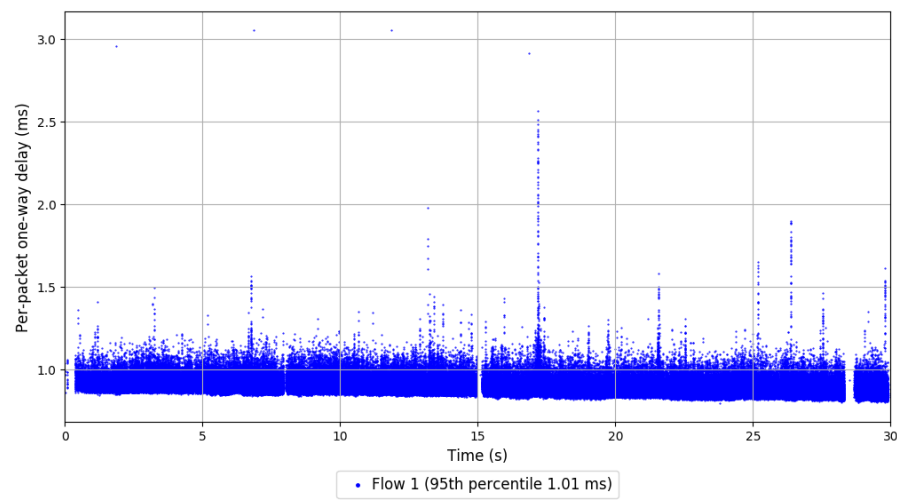
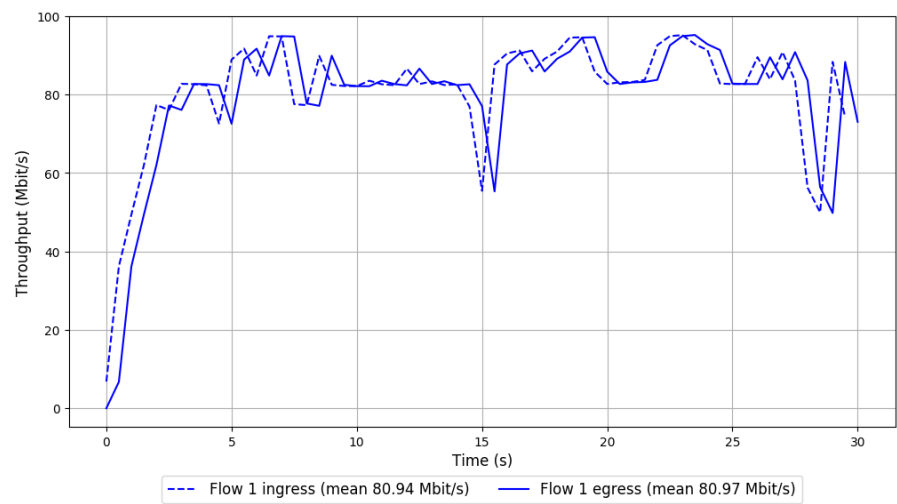
-- Flow 1:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 1.008 ms

Loss rate: 0.03%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 21:21:52

End at: 2018-06-05 21:22:22

Local clock offset: 0.705 ms

Remote clock offset: -1.878 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.08%

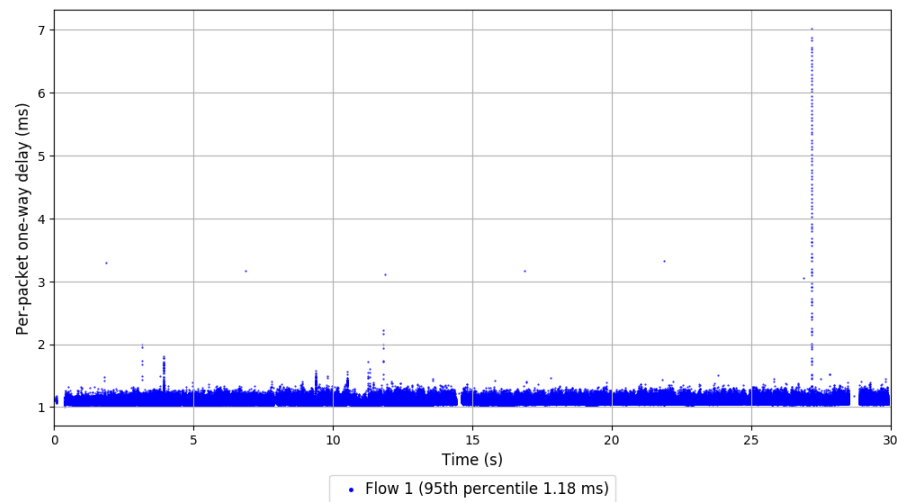
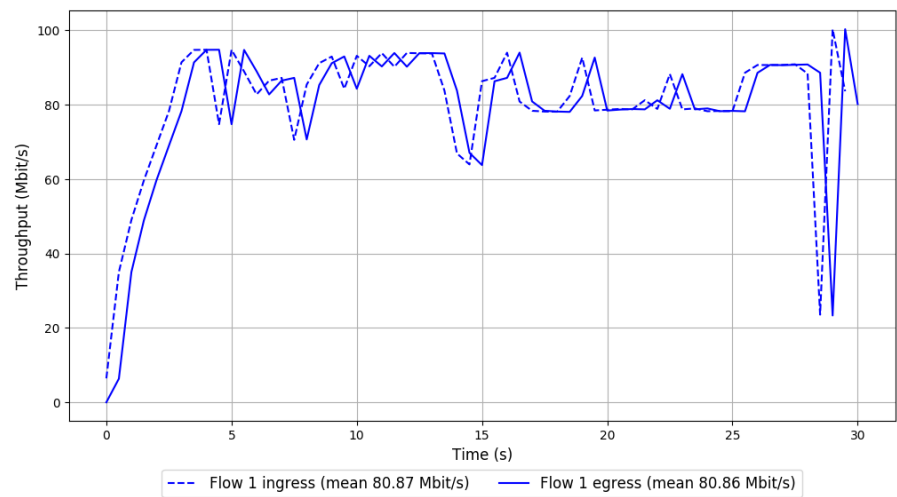
-- Flow 1:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.08%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 21:46:02

End at: 2018-06-05 21:46:32

Local clock offset: 0.069 ms

Remote clock offset: -2.318 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.07%

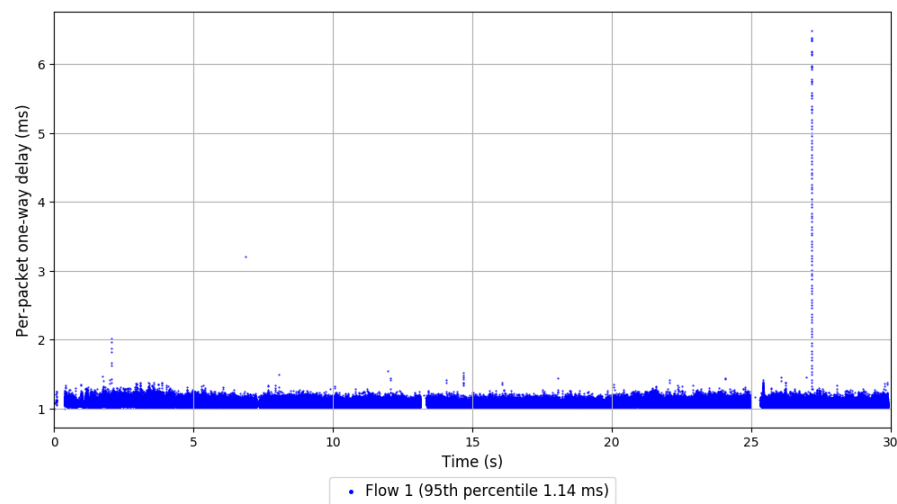
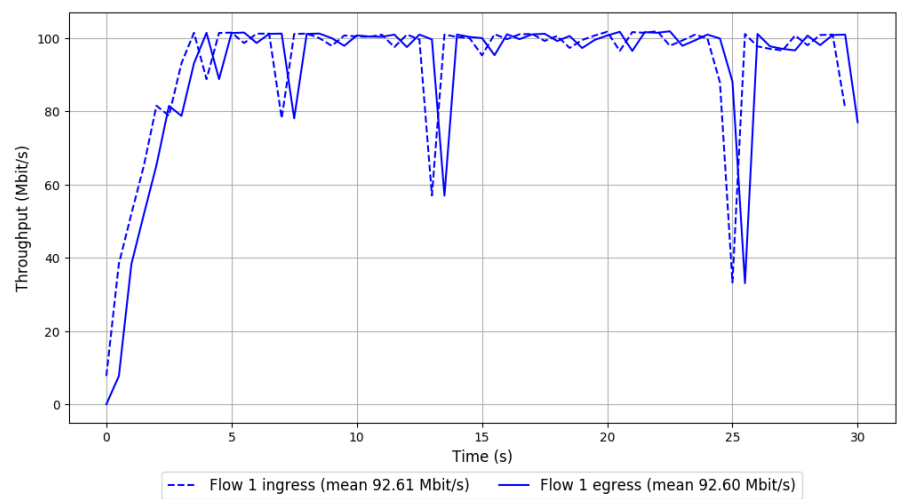
-- Flow 1:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link

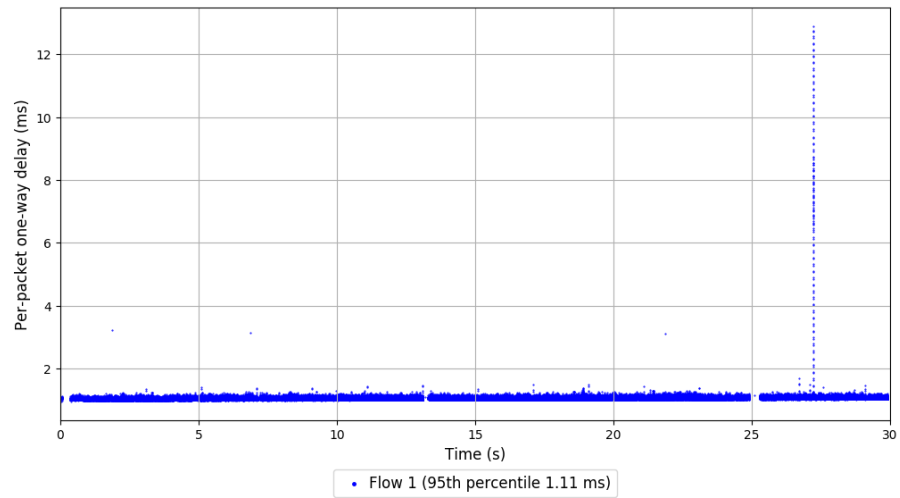
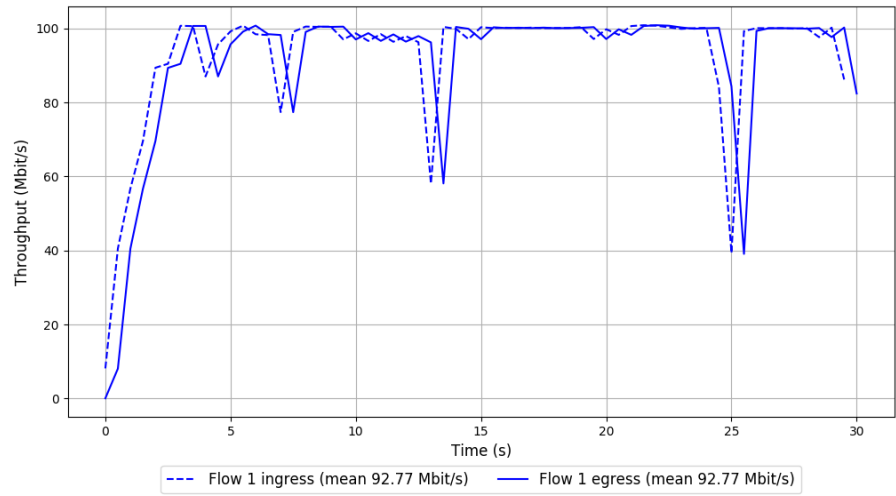


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 22:10:15
End at: 2018-06-05 22:10:45
Local clock offset: 0.18 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.07%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 22:34:30

End at: 2018-06-05 22:35:00

Local clock offset: 0.32 ms

Remote clock offset: 0.536 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 1.042 ms

Loss rate: 0.07%

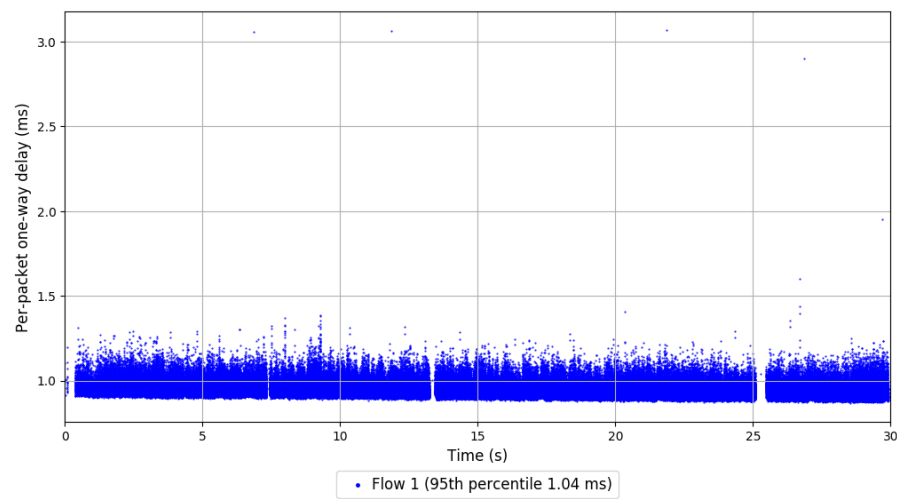
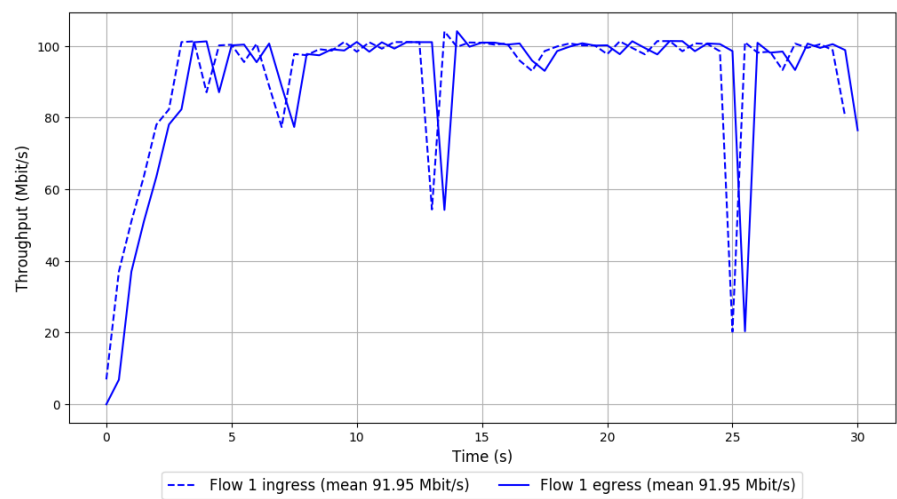
-- Flow 1:

Average throughput: 91.95 Mbit/s

95th percentile per-packet one-way delay: 1.042 ms

Loss rate: 0.07%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 22:58:31

End at: 2018-06-05 22:59:01

Local clock offset: 0.474 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.06%

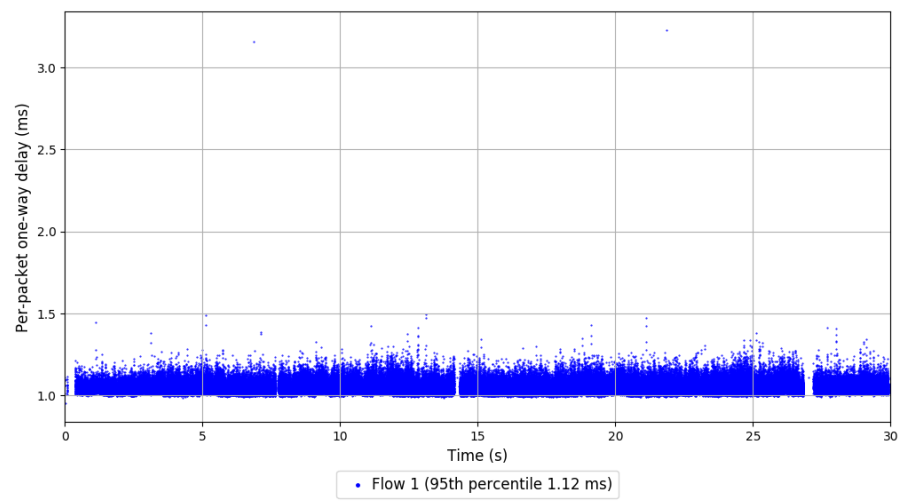
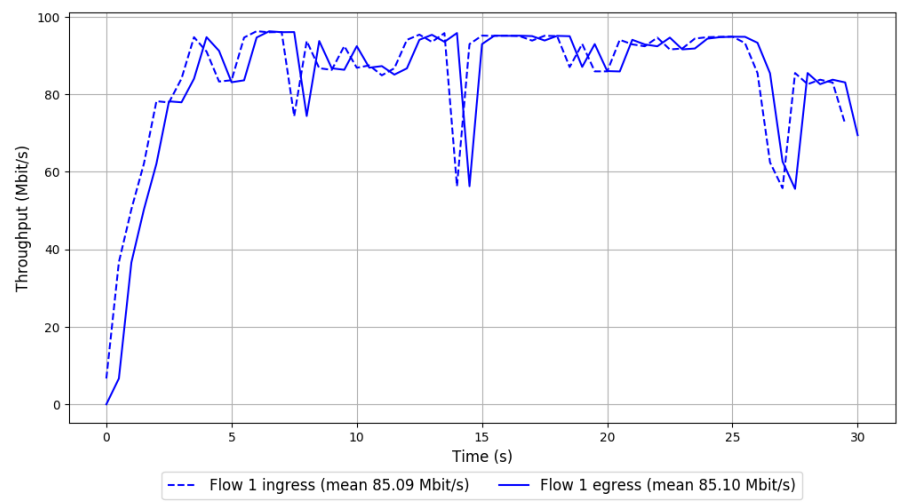
-- Flow 1:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.06%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 23:22:38

End at: 2018-06-05 23:23:08

Local clock offset: 0.398 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.07%

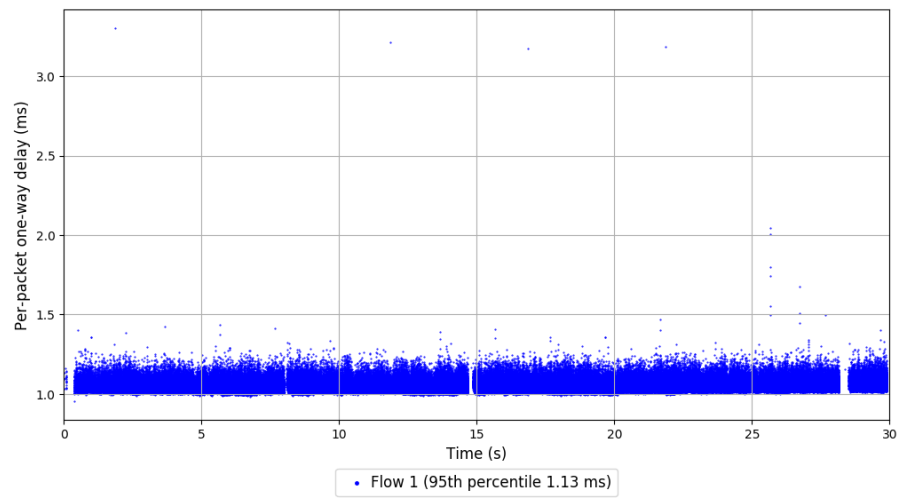
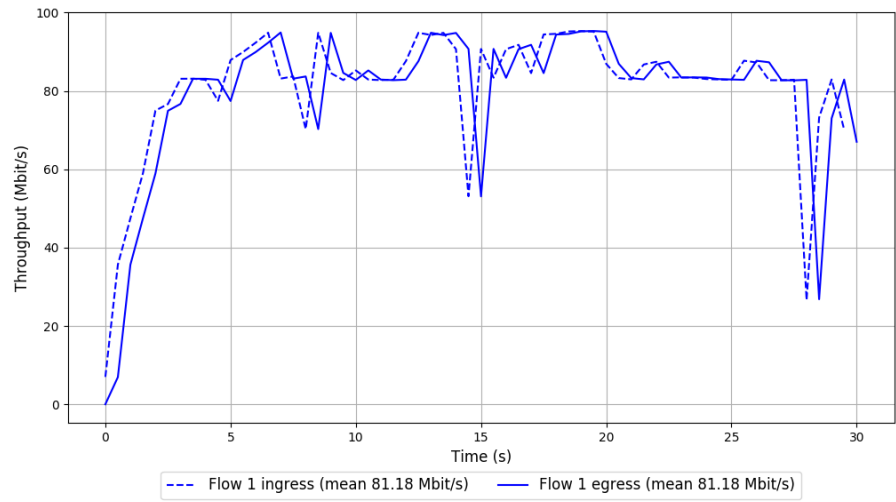
-- Flow 1:

Average throughput: 81.18 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.07%

Run 10: Report of QUIC Cubic — Data Link

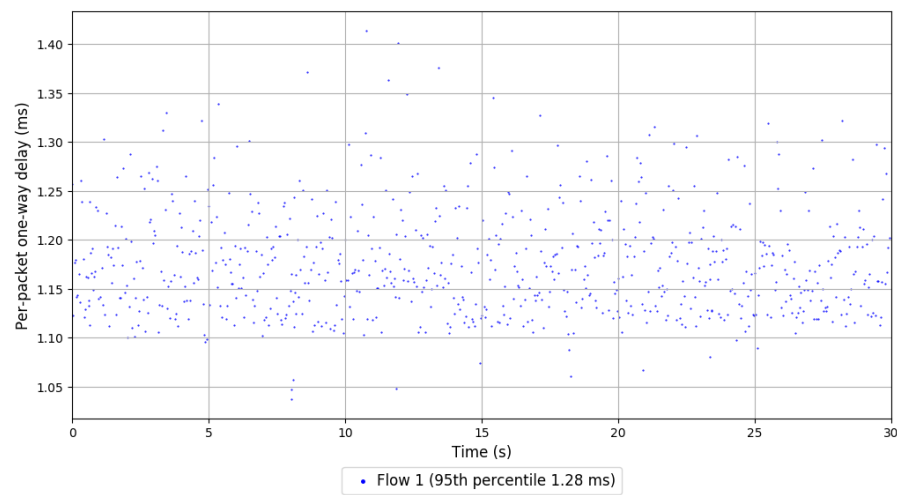
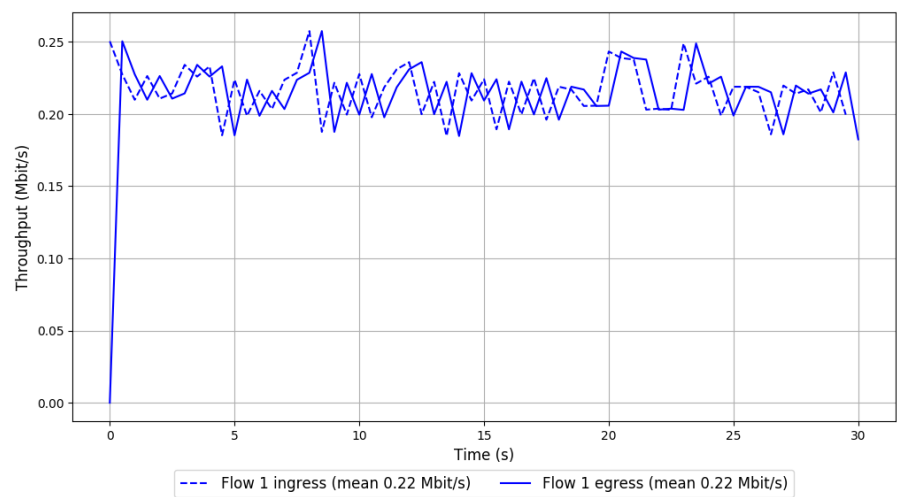


Run 1: Statistics of SCReAM

Start at: 2018-06-05 19:33:40
End at: 2018-06-05 19:34:10
Local clock offset: 0.328 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

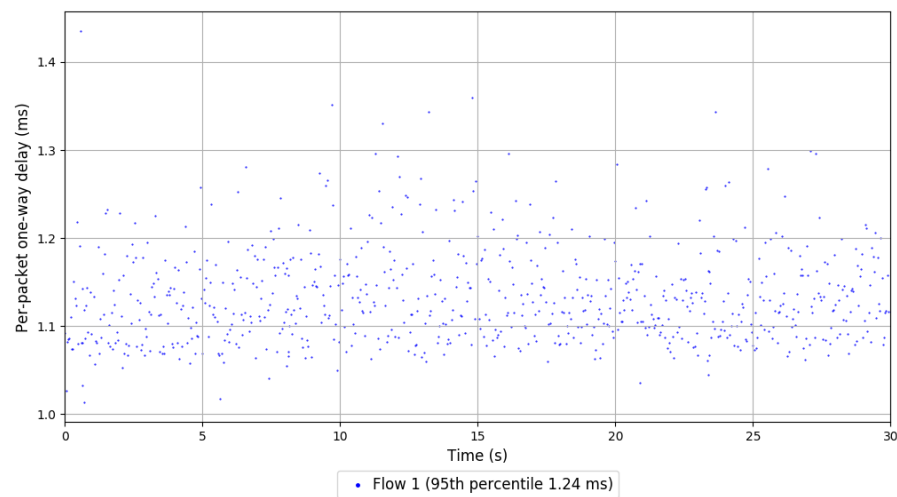
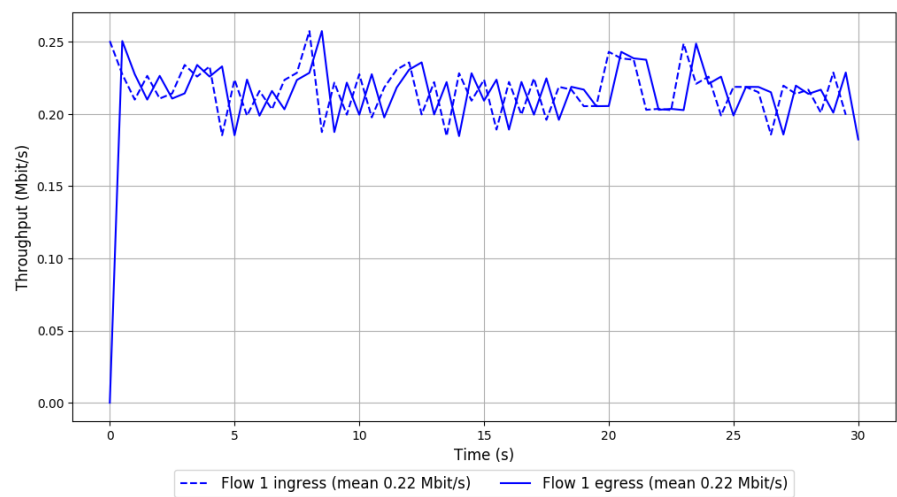


Run 2: Statistics of SCReAM

Start at: 2018-06-05 19:57:54
End at: 2018-06-05 19:58:24
Local clock offset: -0.021 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-05 20:22:06

End at: 2018-06-05 20:22:36

Local clock offset: -0.024 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.122 ms

Loss rate: 0.13%

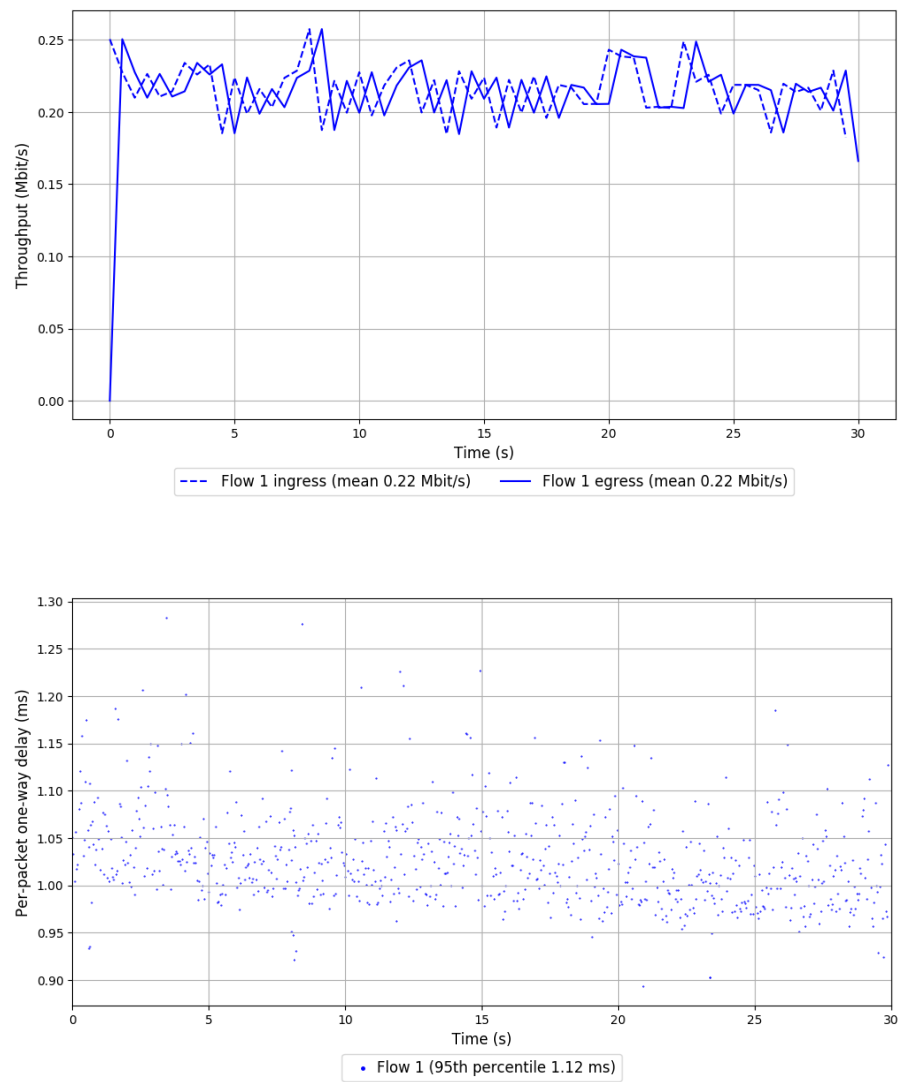
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.122 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

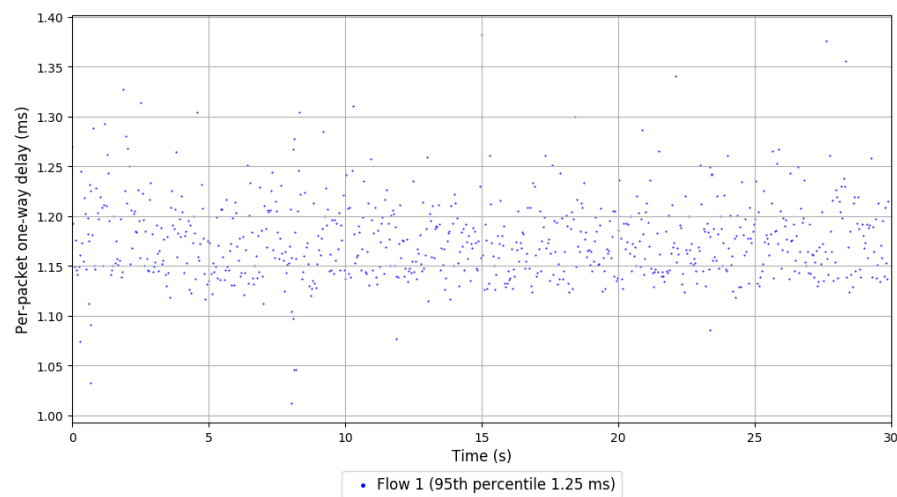
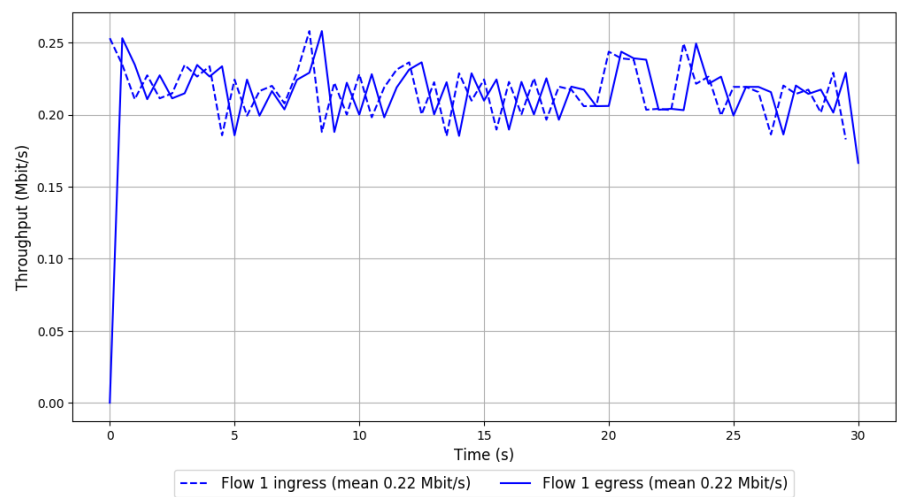


Run 4: Statistics of SReAM

Start at: 2018-06-05 20:46:20
End at: 2018-06-05 20:46:50
Local clock offset: 0.516 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

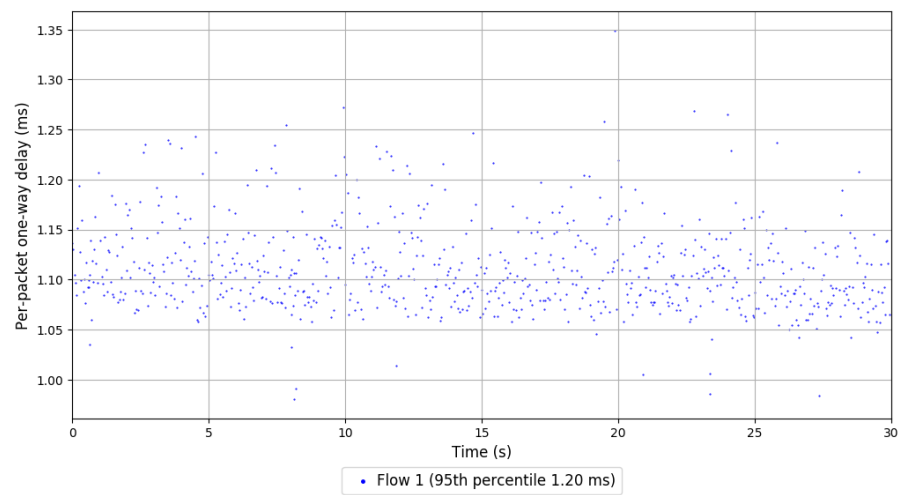
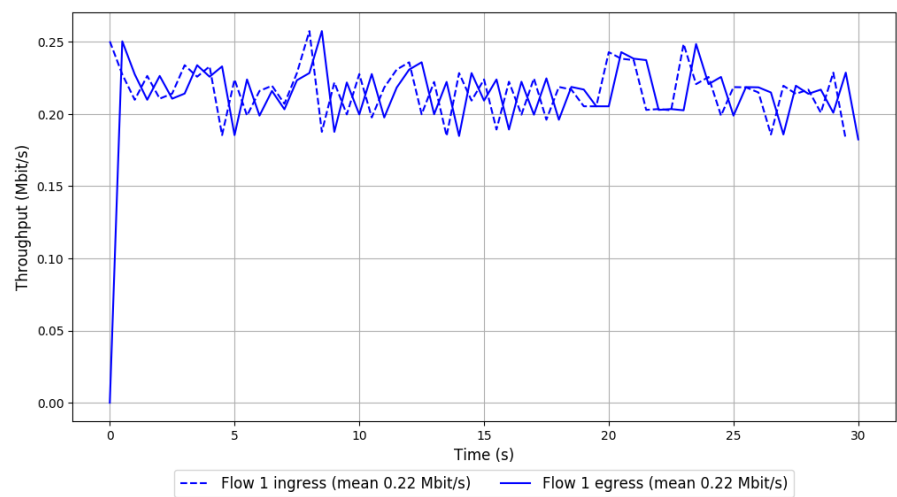


Run 5: Statistics of SCReAM

Start at: 2018-06-05 21:10:20
End at: 2018-06-05 21:10:51
Local clock offset: 0.742 ms
Remote clock offset: -1.575 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

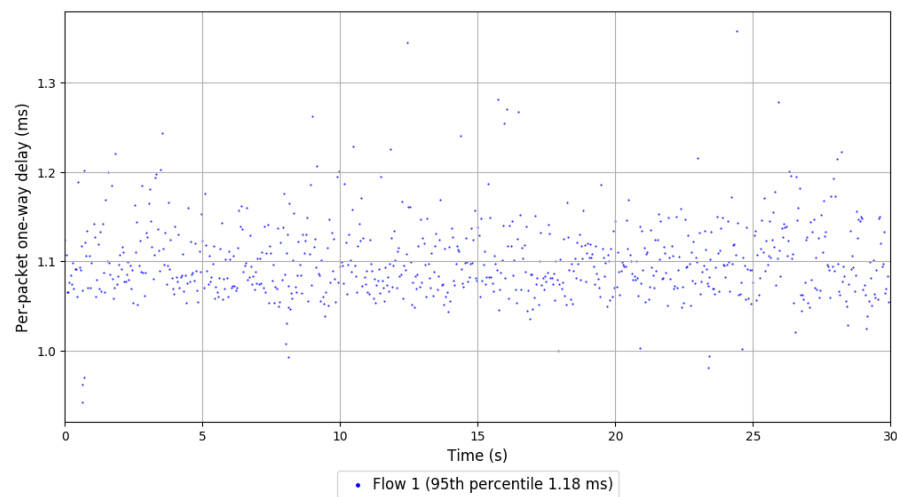
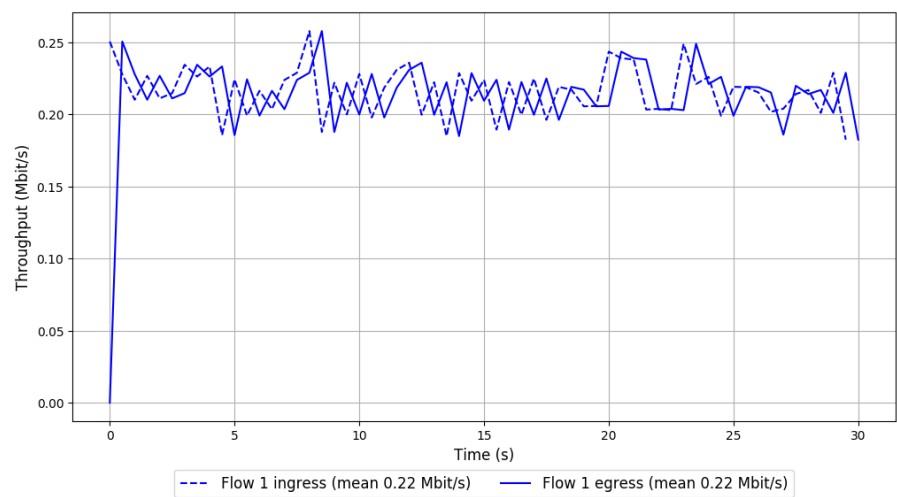


Run 6: Statistics of SCReAM

Start at: 2018-06-05 21:34:30
End at: 2018-06-05 21:35:00
Local clock offset: 0.225 ms
Remote clock offset: -2.047 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

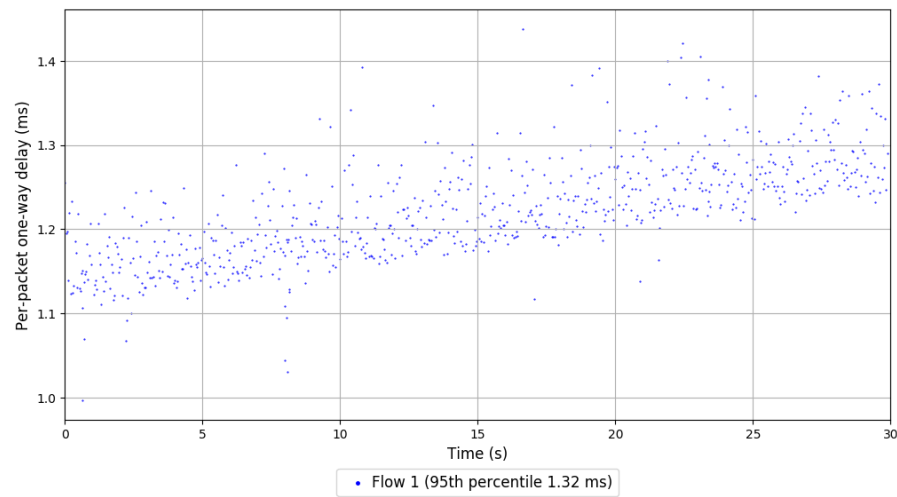
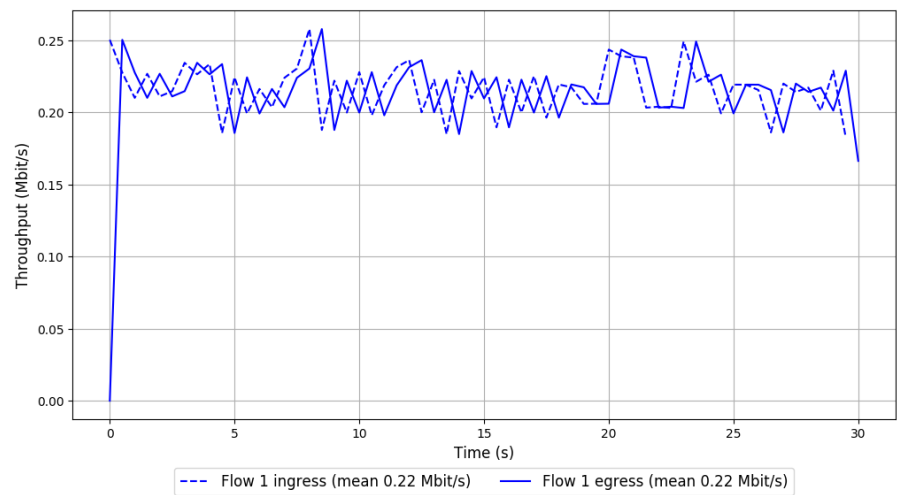


Run 7: Statistics of SCReAM

Start at: 2018-06-05 21:58:38
End at: 2018-06-05 21:59:08
Local clock offset: 0.147 ms
Remote clock offset: -2.401 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-05 22:22:53

End at: 2018-06-05 22:23:23

Local clock offset: 0.239 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.293 ms

Loss rate: 0.00%

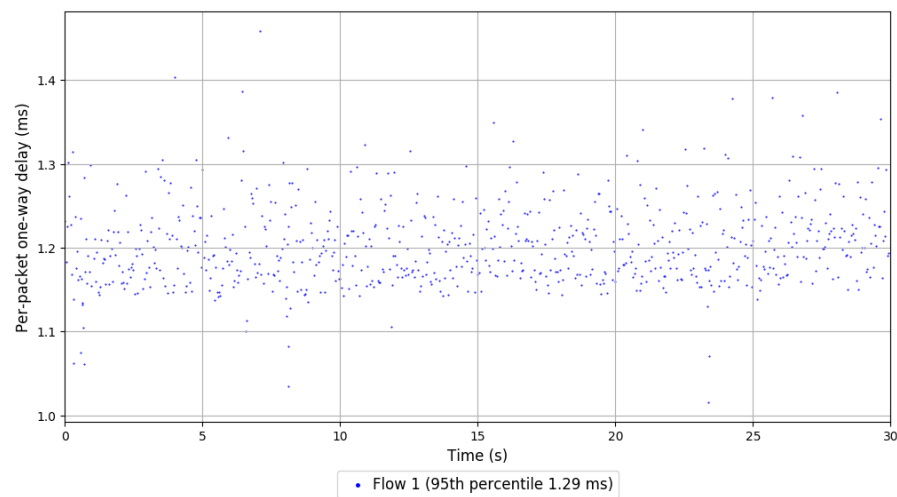
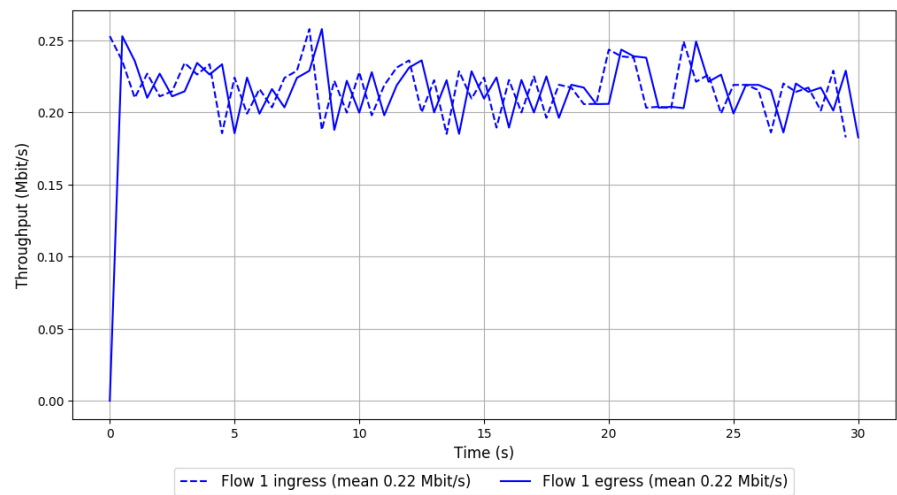
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.293 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-05 22:46:58

End at: 2018-06-05 22:47:28

Local clock offset: 0.364 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.13%

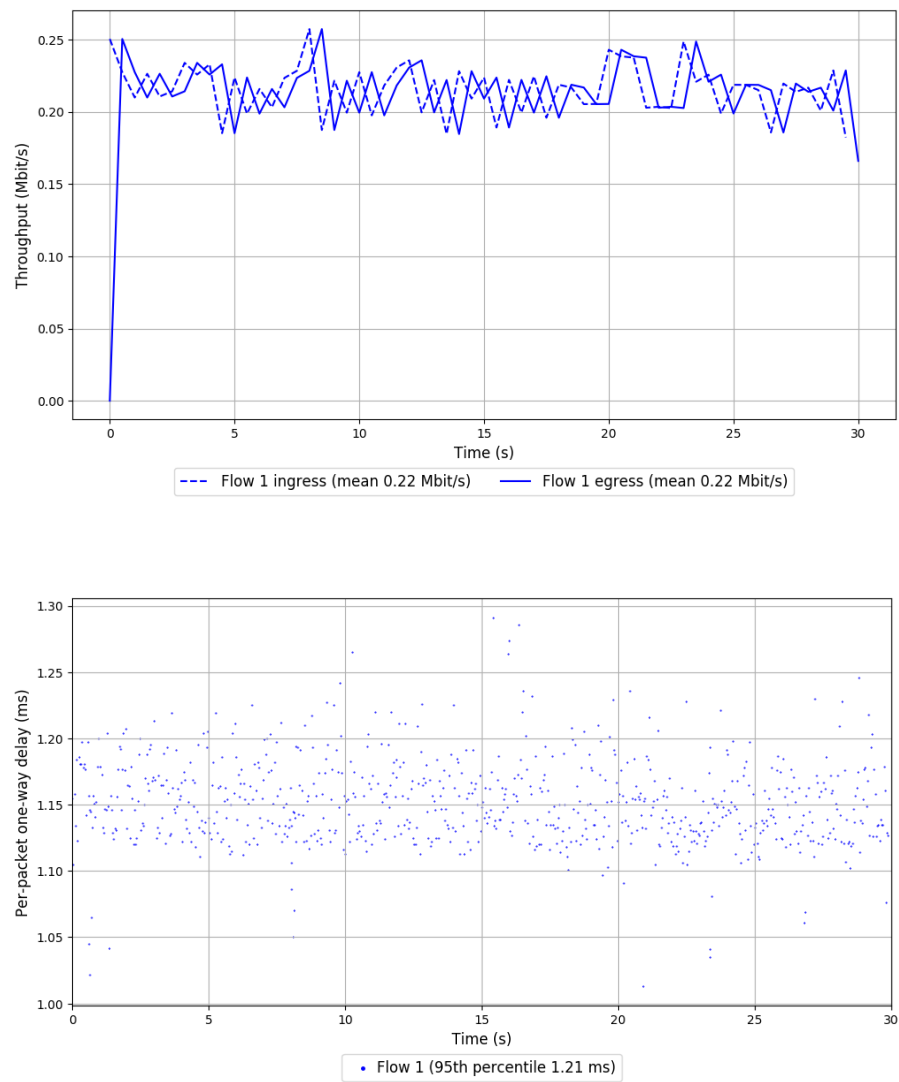
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

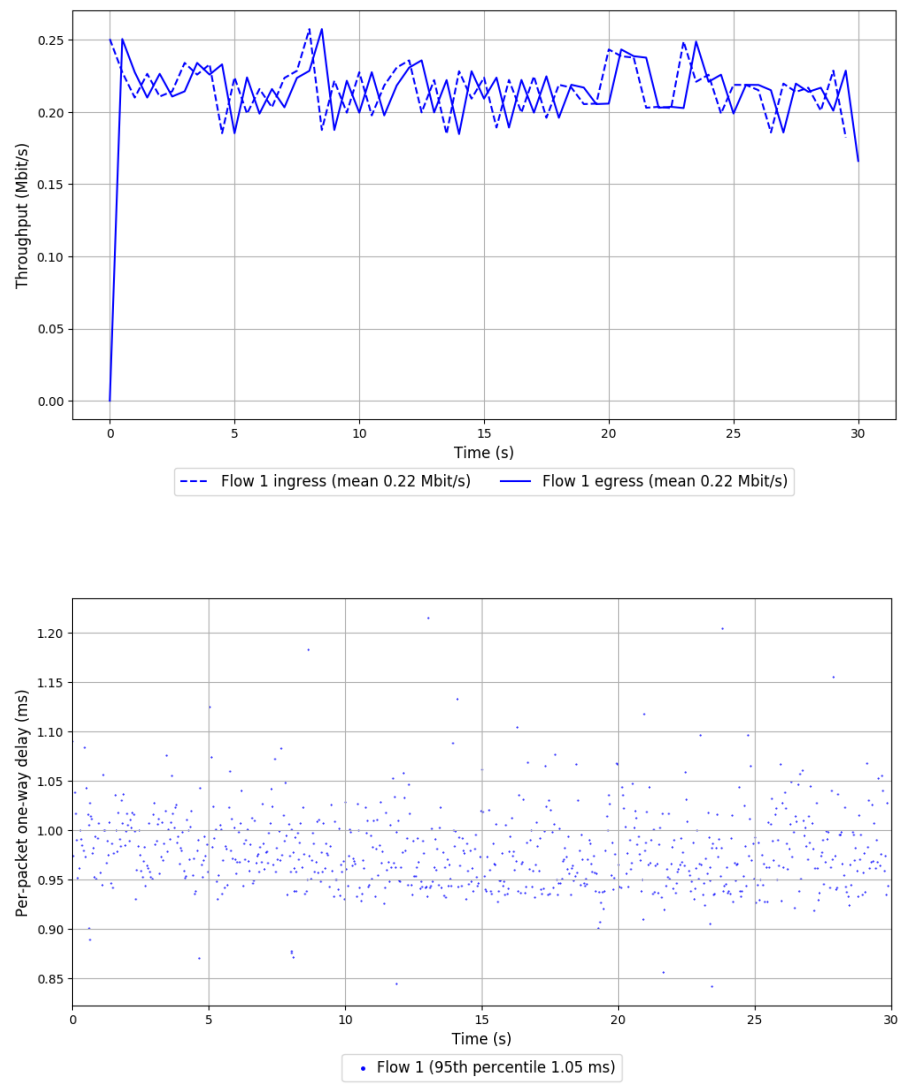


```
Run 10: Statistics of SReAM

Start at: 2018-06-05 23:11:03
End at: 2018-06-05 23:11:33
Local clock offset: 0.431 ms
Remote clock offset: 0.25 ms

# Below is generated by plot.py at 2018-06-06 01:04:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.13%
```

Run 10: Report of SCReAM — Data Link

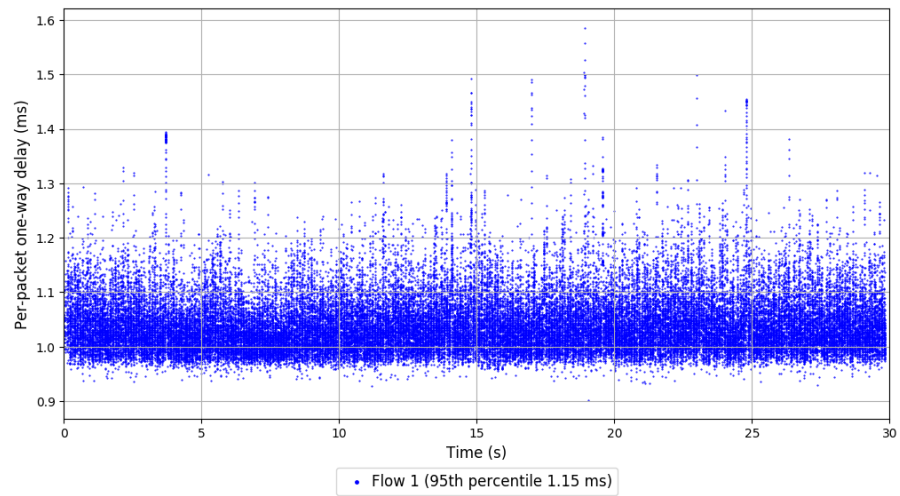
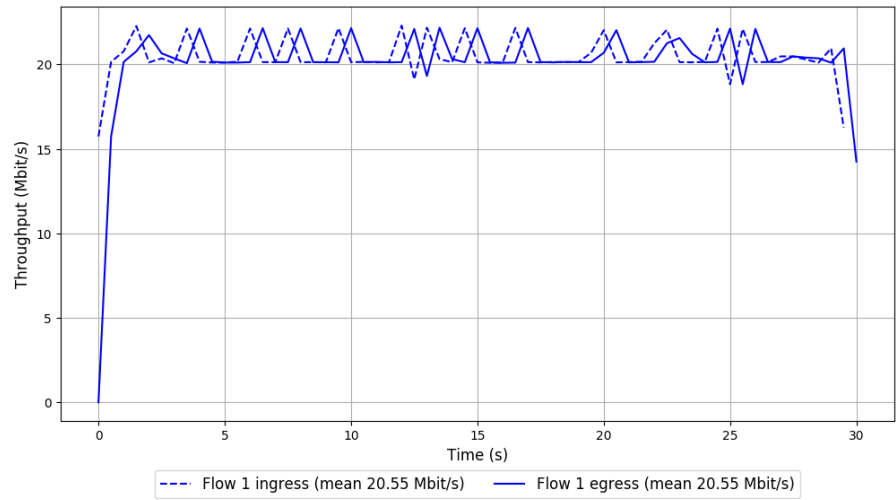


Run 1: Statistics of Sprout

Start at: 2018-06-05 19:38:11
End at: 2018-06-05 19:38:41
Local clock offset: 0.266 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.16%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-05 20:02:24

End at: 2018-06-05 20:02:54

Local clock offset: 0.025 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.48 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.00%

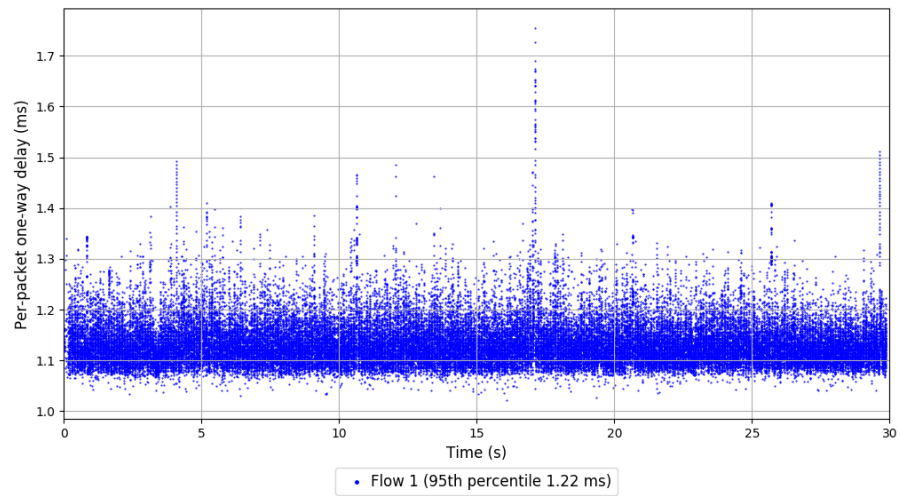
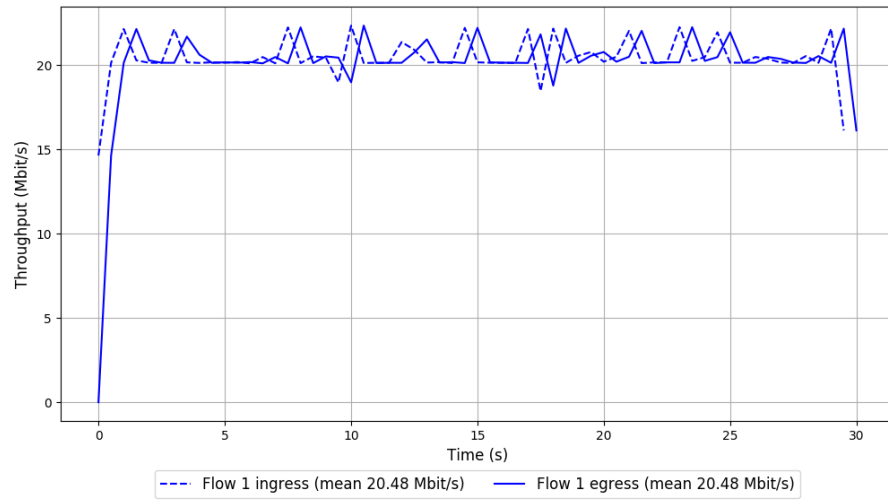
-- Flow 1:

Average throughput: 20.48 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-06-05 20:26:38

End at: 2018-06-05 20:27:08

Local clock offset: 0.102 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.00%

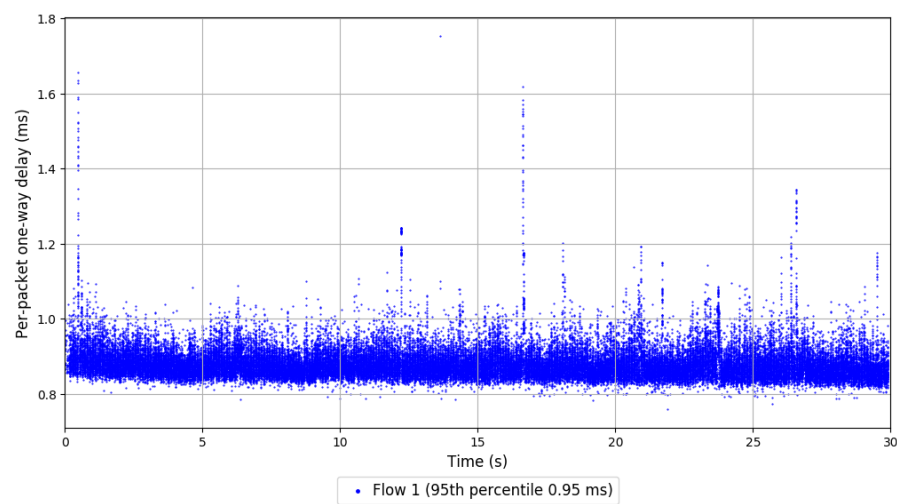
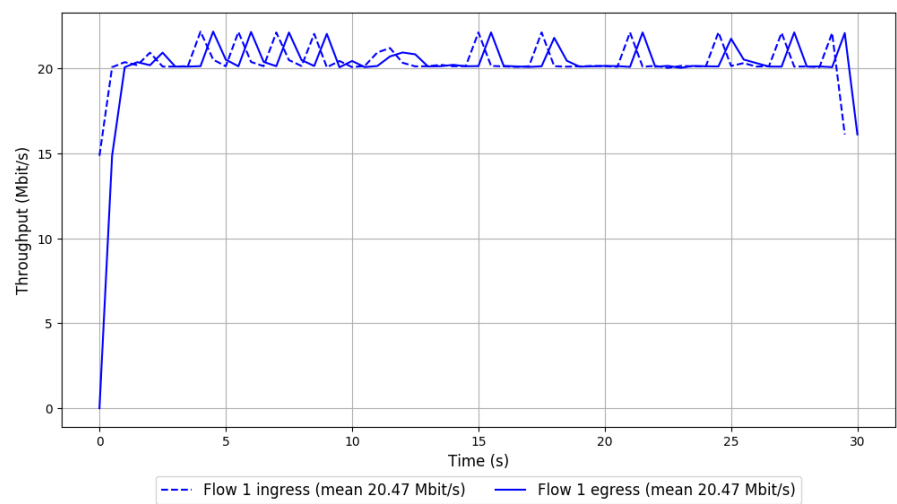
-- Flow 1:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

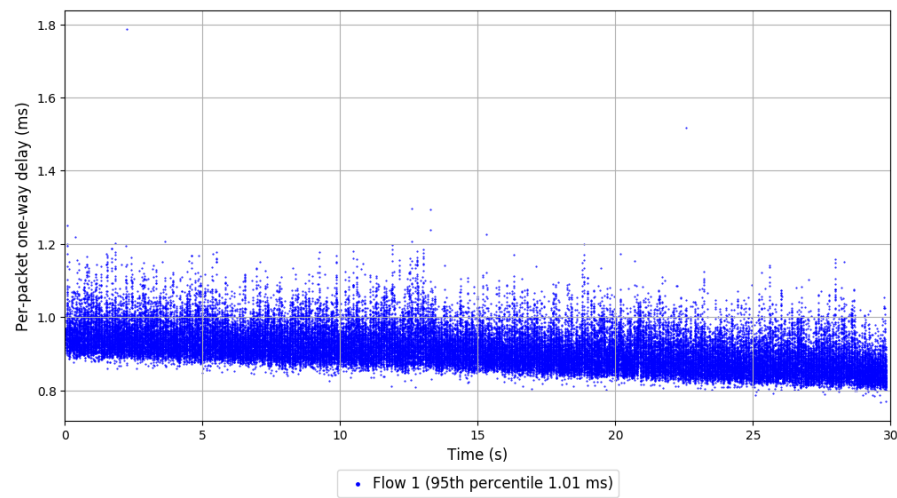
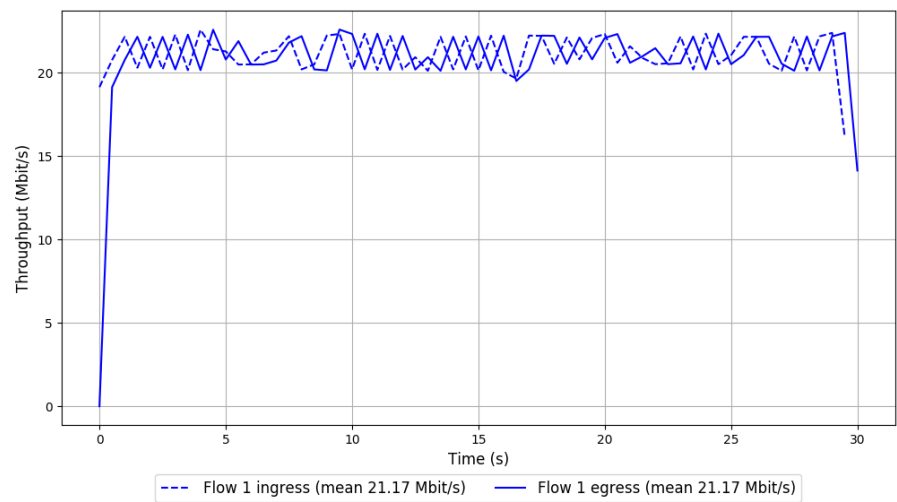


Run 4: Statistics of Sprout

Start at: 2018-06-05 20:50:49
End at: 2018-06-05 20:51:19
Local clock offset: 0.459 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.16%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-05 21:14:50

End at: 2018-06-05 21:15:20

Local clock offset: 0.685 ms

Remote clock offset: -1.77 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.00%

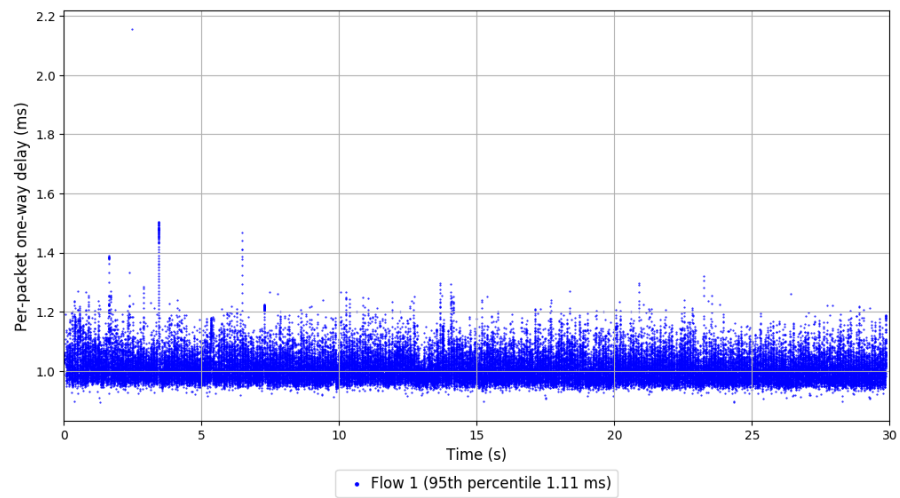
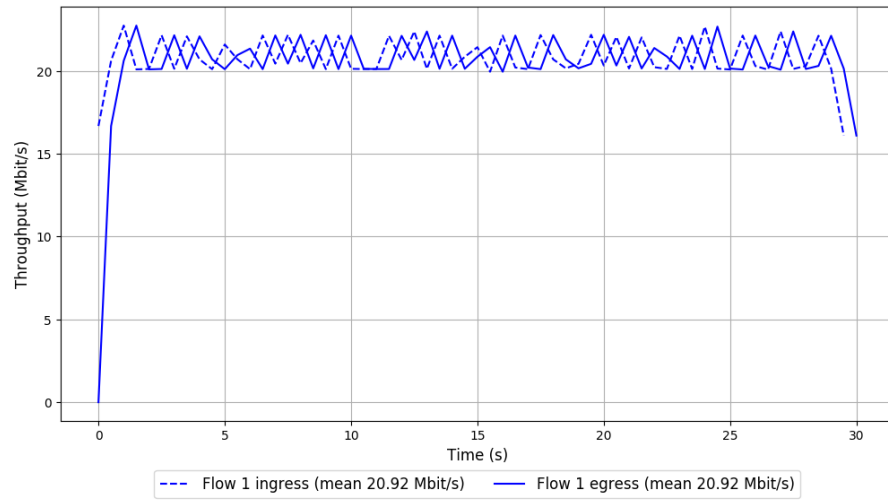
-- Flow 1:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

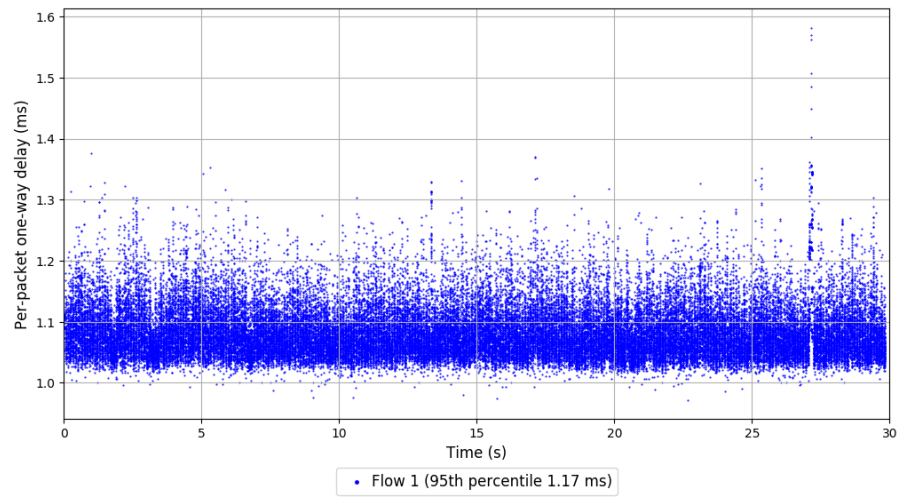
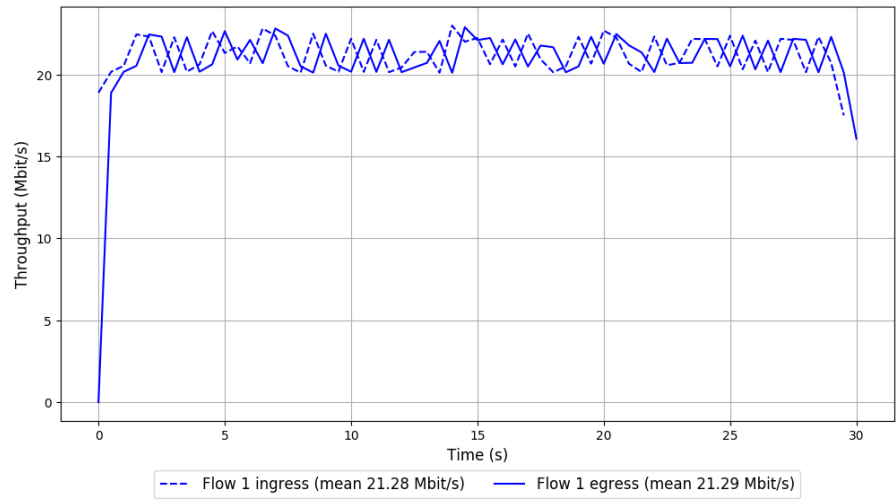


Run 6: Statistics of Sprout

Start at: 2018-06-05 21:39:00
End at: 2018-06-05 21:39:30
Local clock offset: 0.152 ms
Remote clock offset: -2.195 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.16%

Run 6: Report of Sprout — Data Link

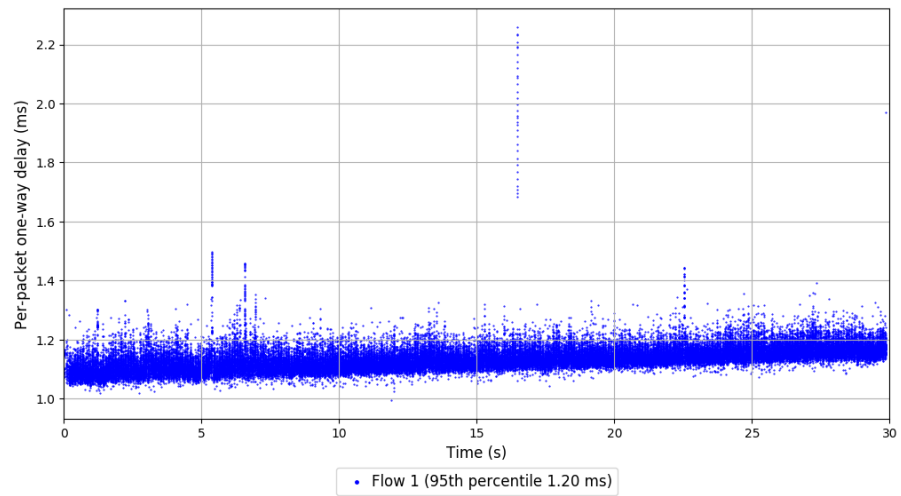
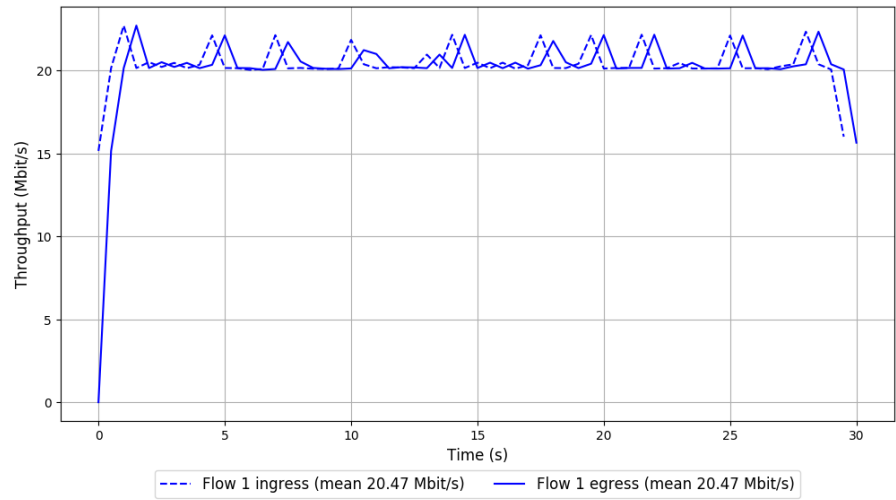


Run 7: Statistics of Sprout

Start at: 2018-06-05 22:03:10
End at: 2018-06-05 22:03:40
Local clock offset: 0.174 ms
Remote clock offset: -1.384 ms

Below is generated by plot.py at 2018-06-06 01:04:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-05 22:27:25

End at: 2018-06-05 22:27:55

Local clock offset: 0.297 ms

Remote clock offset: 0.431 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 1.230 ms

Loss rate: 0.00%

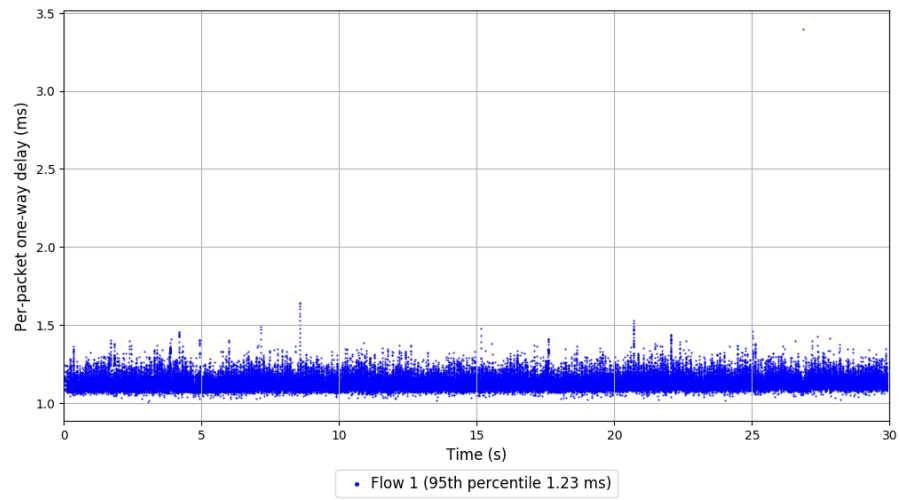
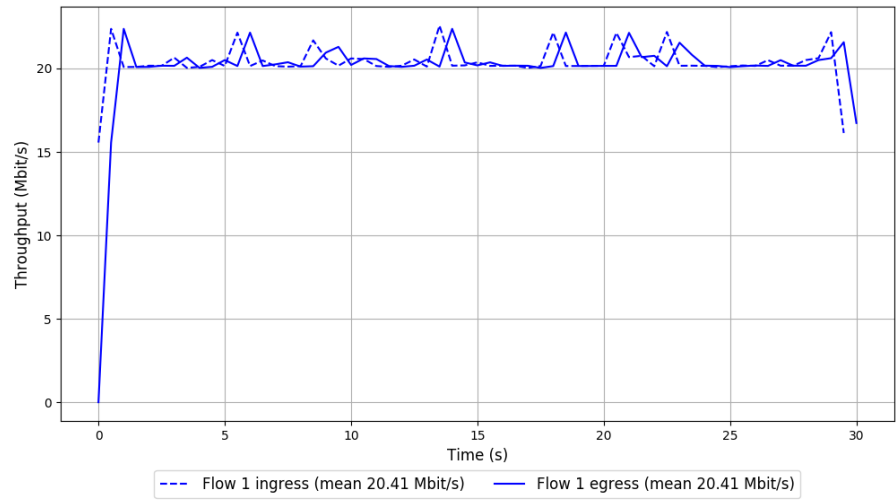
-- Flow 1:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 1.230 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-05 22:51:31

End at: 2018-06-05 22:52:01

Local clock offset: 0.392 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.00%

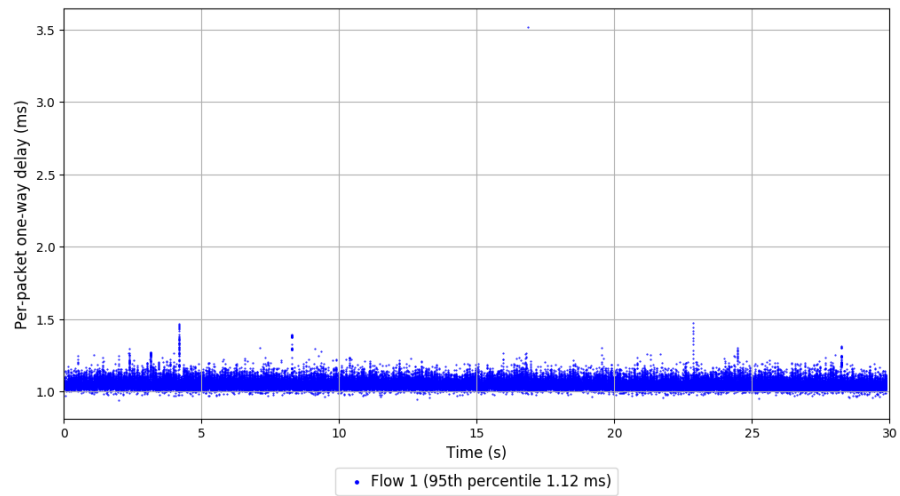
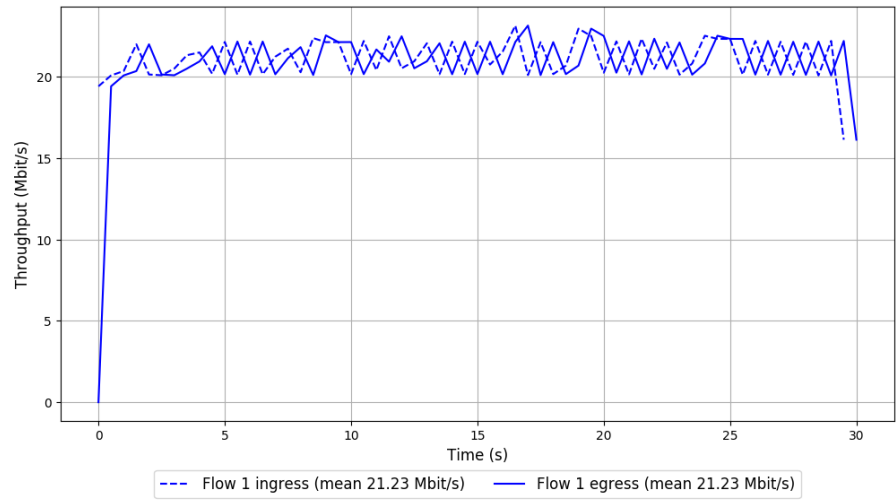
-- Flow 1:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-05 23:15:36

End at: 2018-06-05 23:16:06

Local clock offset: 0.499 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-06-06 01:04:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.03%

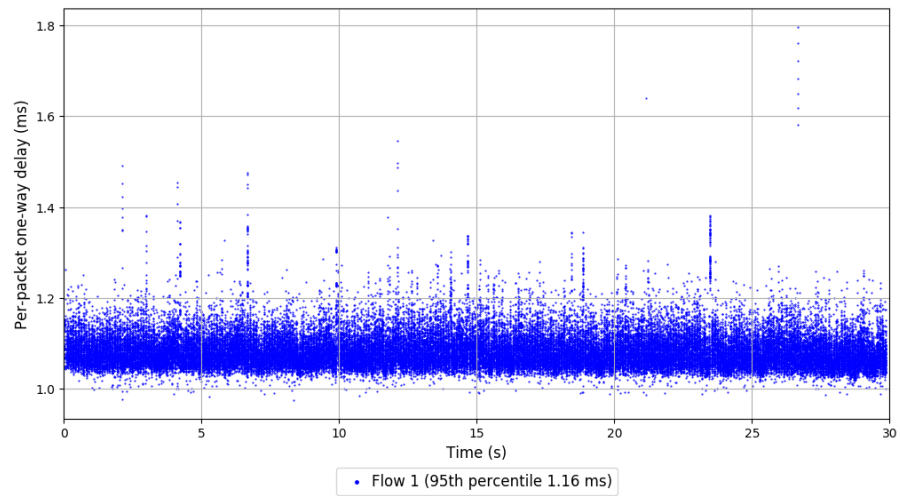
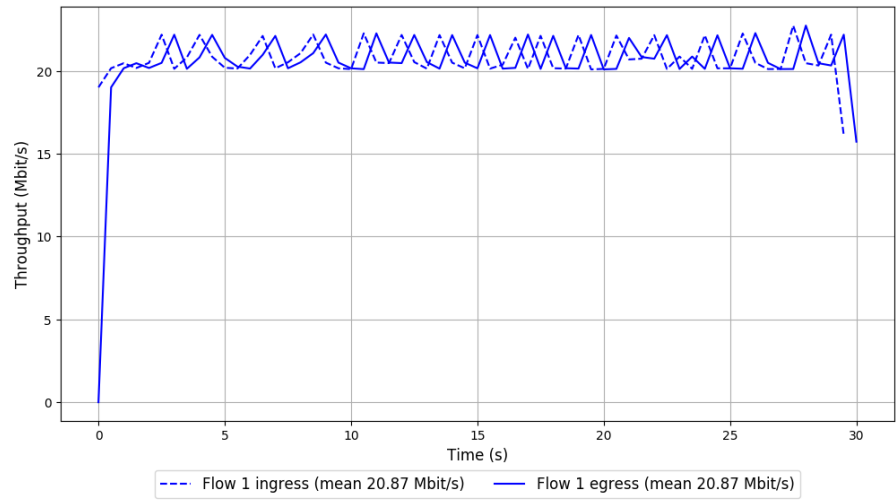
-- Flow 1:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.03%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 19:48:18

End at: 2018-06-05 19:48:49

Local clock offset: 0.133 ms

Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-06-06 01:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.76 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.06%

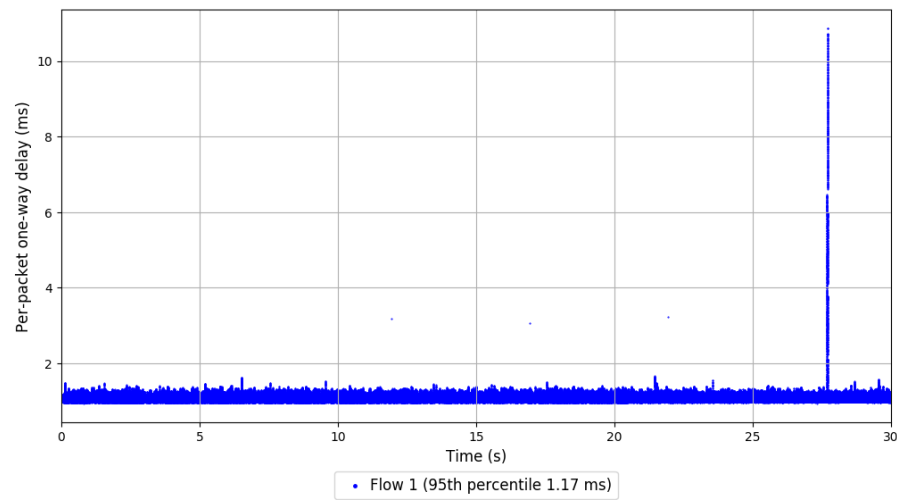
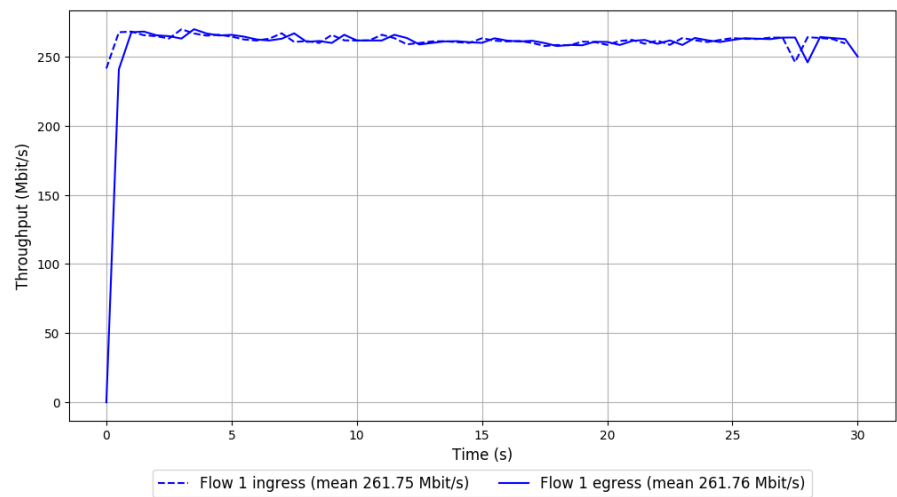
-- Flow 1:

Average throughput: 261.76 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.06%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 20:12:32

End at: 2018-06-05 20:13:02

Local clock offset: -0.036 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-06-06 01:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.12 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.06%

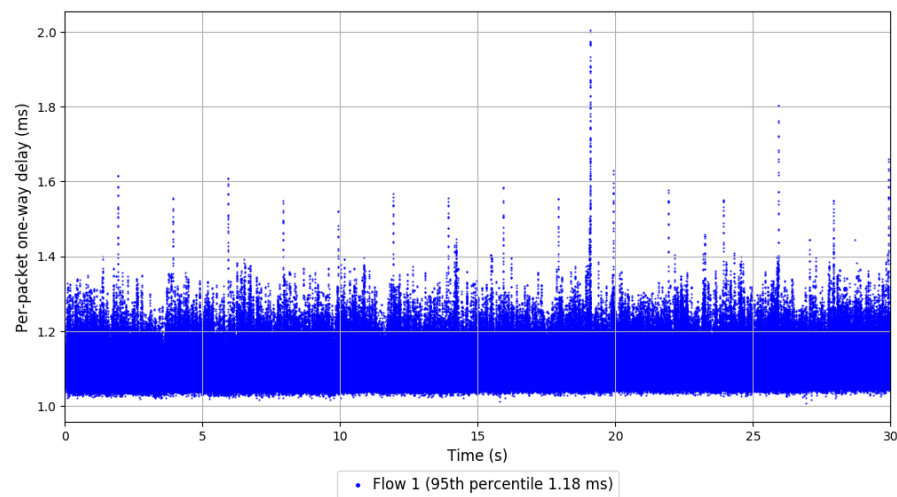
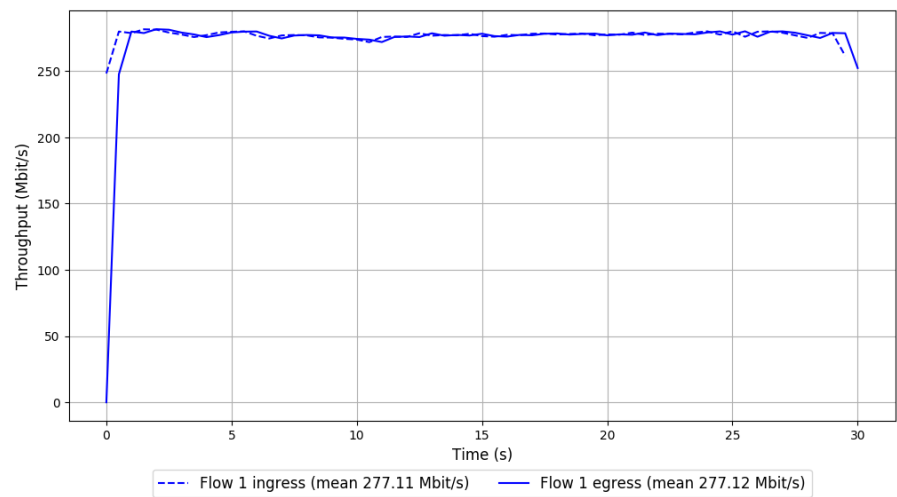
-- Flow 1:

Average throughput: 277.12 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.06%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 20:36:44

End at: 2018-06-05 20:37:14

Local clock offset: 0.411 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-06 01:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.33 Mbit/s

95th percentile per-packet one-way delay: 1.066 ms

Loss rate: 0.06%

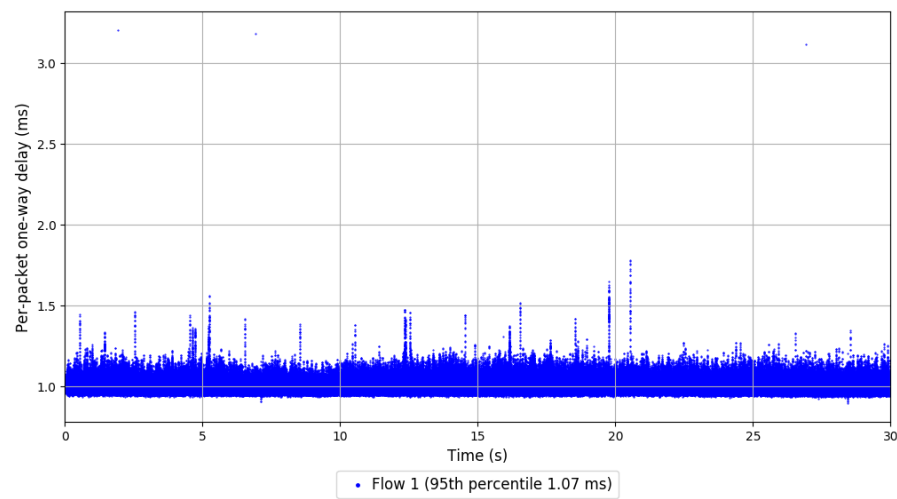
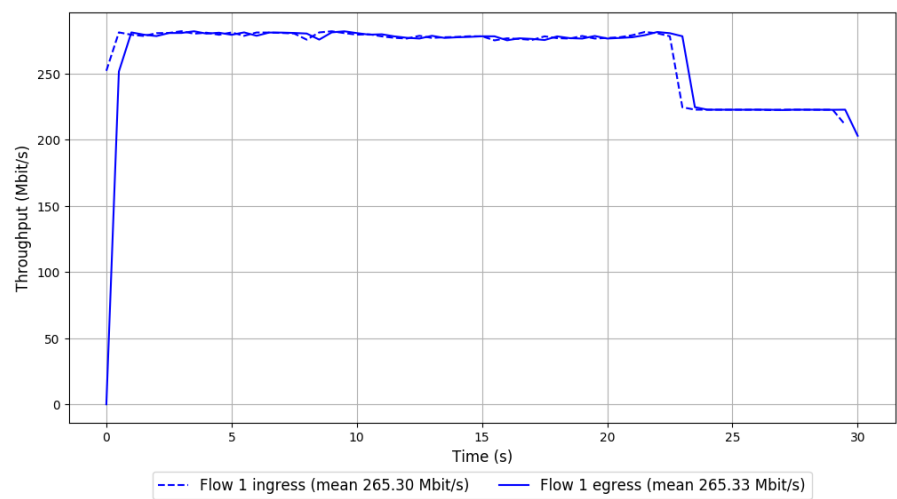
-- Flow 1:

Average throughput: 265.33 Mbit/s

95th percentile per-packet one-way delay: 1.066 ms

Loss rate: 0.06%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 21:00:50

End at: 2018-06-05 21:01:20

Local clock offset: 0.648 ms

Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-06-06 01:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.85 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.06%

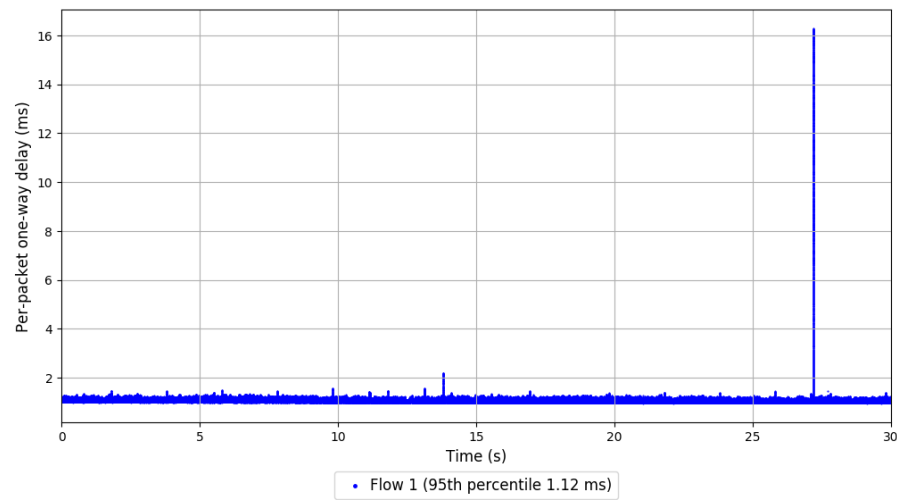
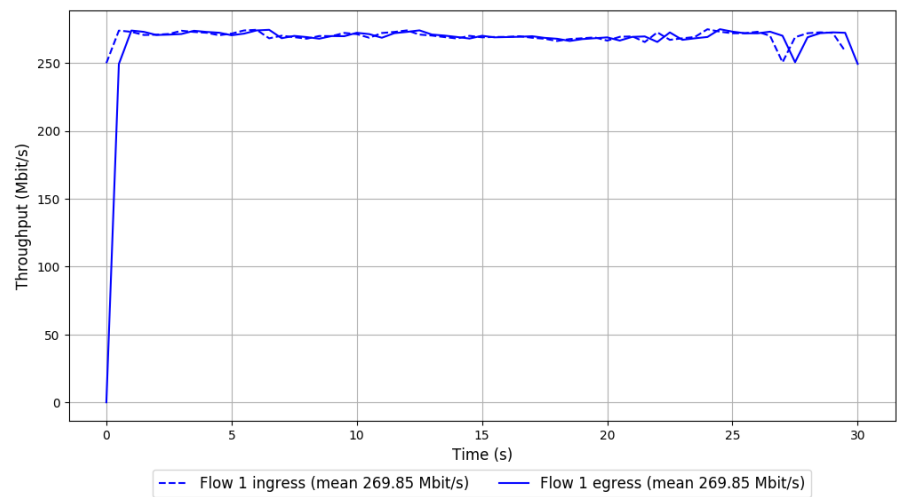
-- Flow 1:

Average throughput: 269.85 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.06%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 21:24:55

End at: 2018-06-05 21:25:25

Local clock offset: 0.439 ms

Remote clock offset: -1.938 ms

Below is generated by plot.py at 2018-06-06 01:08:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.32 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.07%

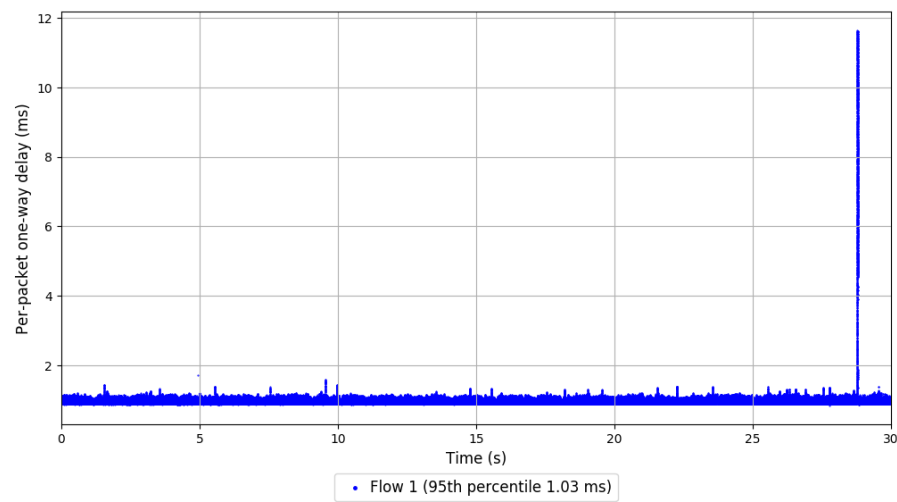
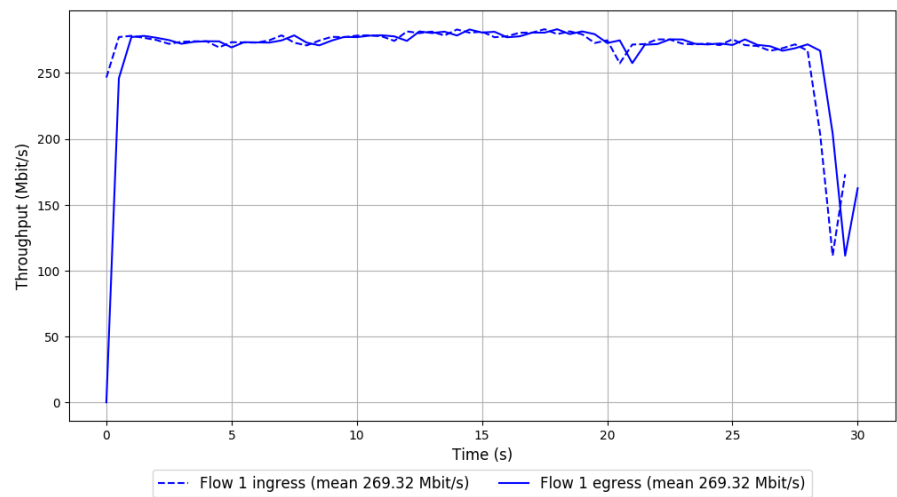
-- Flow 1:

Average throughput: 269.32 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.07%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 21:49:05

End at: 2018-06-05 21:49:35

Local clock offset: 0.032 ms

Remote clock offset: -2.334 ms

Below is generated by plot.py at 2018-06-06 01:09:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.43 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.06%

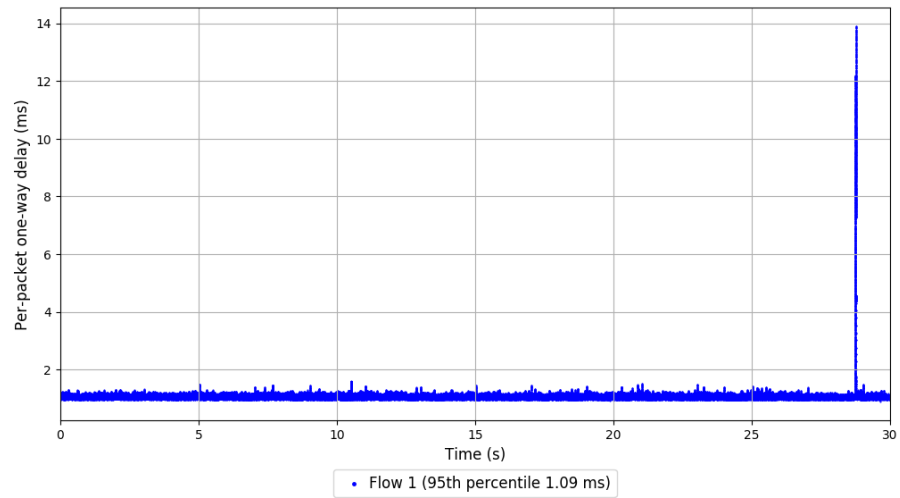
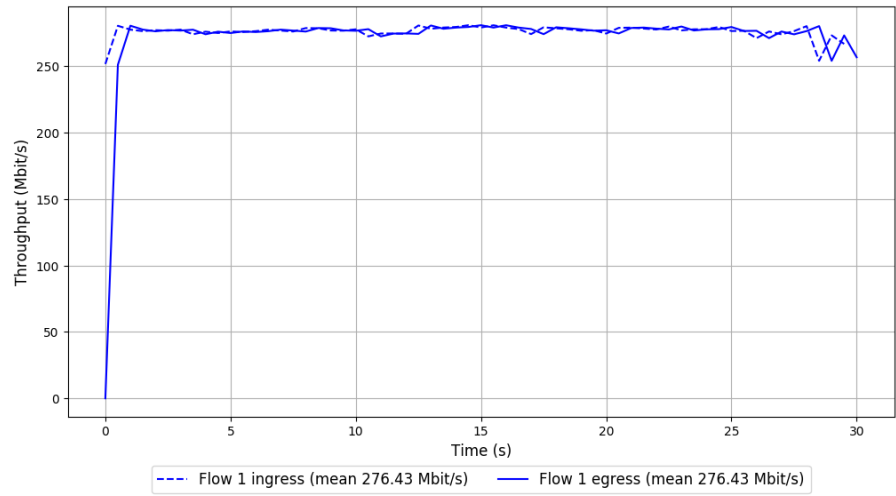
-- Flow 1:

Average throughput: 276.43 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.06%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 22:13:17

End at: 2018-06-05 22:13:47

Local clock offset: 0.177 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-06-06 01:10:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.33 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.06%

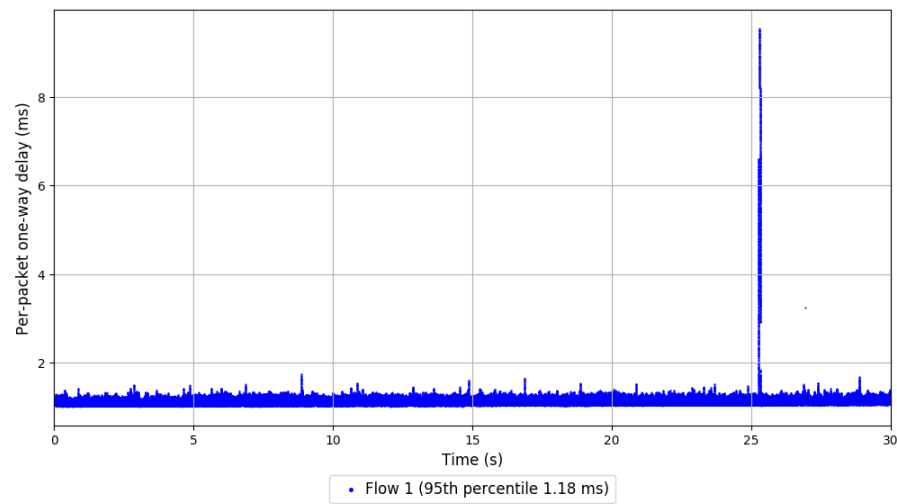
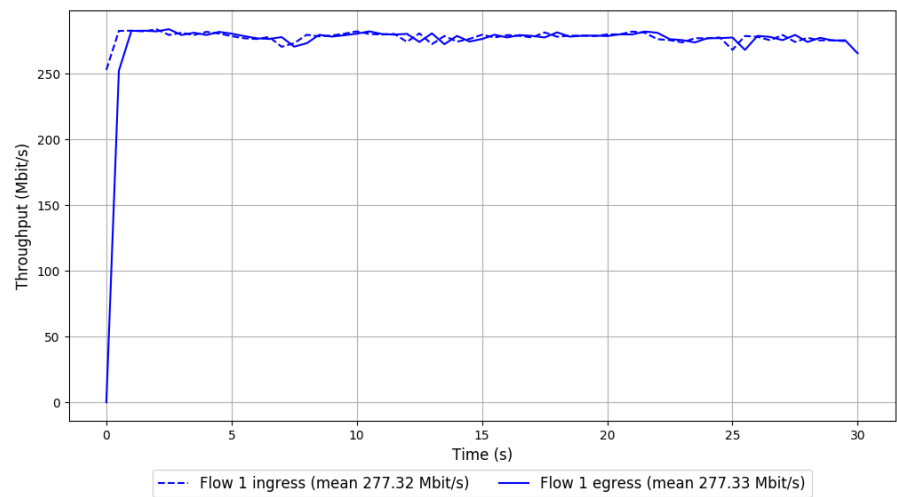
-- Flow 1:

Average throughput: 277.33 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.06%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 22:37:30

End at: 2018-06-05 22:38:00

Local clock offset: 0.25 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-06-06 01:10:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.32 Mbit/s

95th percentile per-packet one-way delay: 1.068 ms

Loss rate: 0.06%

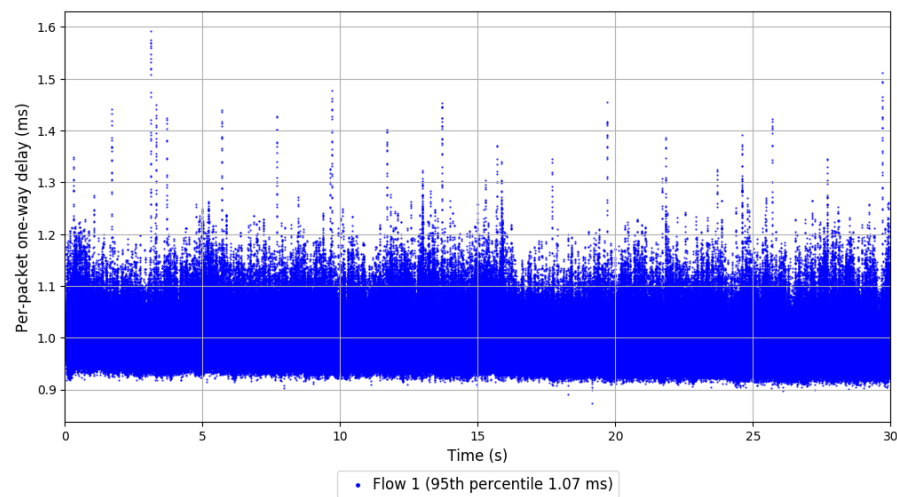
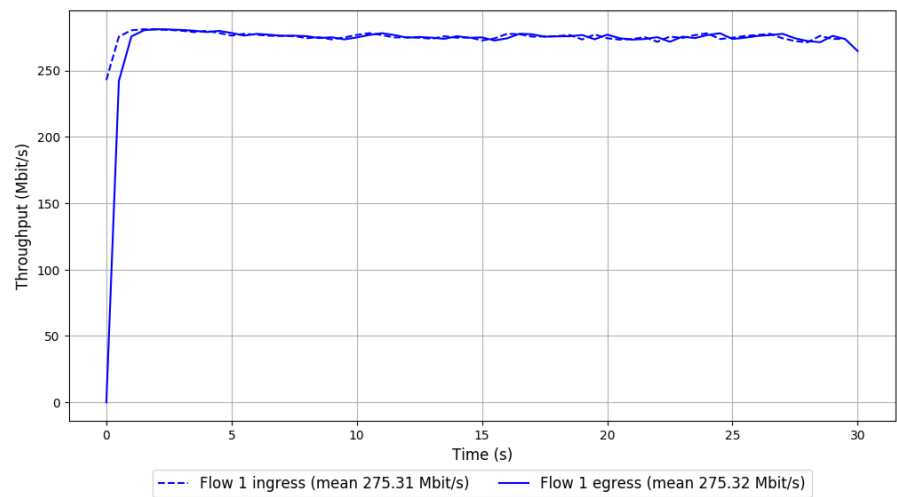
-- Flow 1:

Average throughput: 275.32 Mbit/s

95th percentile per-packet one-way delay: 1.068 ms

Loss rate: 0.06%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 23:01:31

End at: 2018-06-05 23:02:01

Local clock offset: 0.491 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-06-06 01:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.51 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.06%

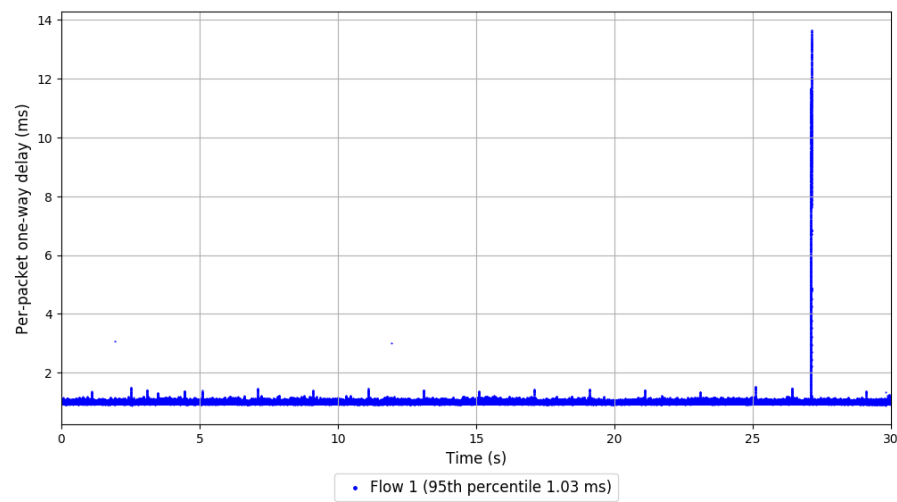
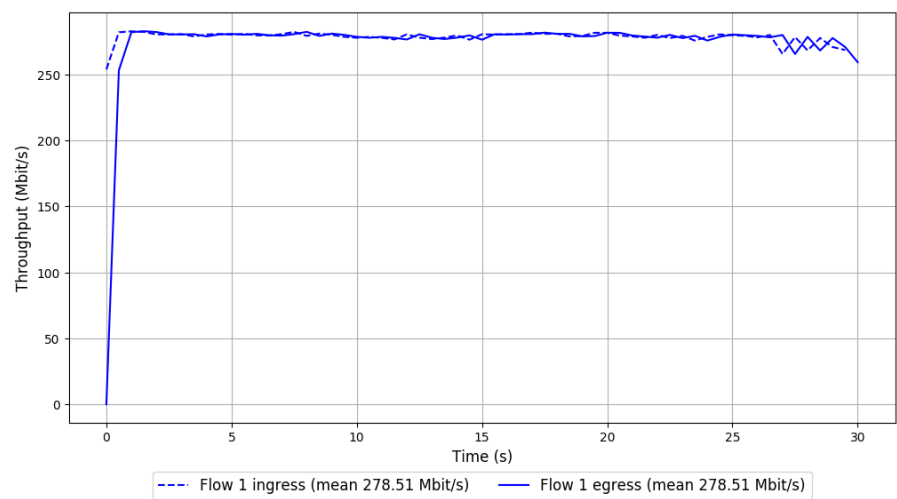
-- Flow 1:

Average throughput: 278.51 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.06%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 23:25:40

End at: 2018-06-05 23:26:10

Local clock offset: 0.311 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-06 01:12:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.56 Mbit/s

95th percentile per-packet one-way delay: 1.111 ms

Loss rate: 0.03%

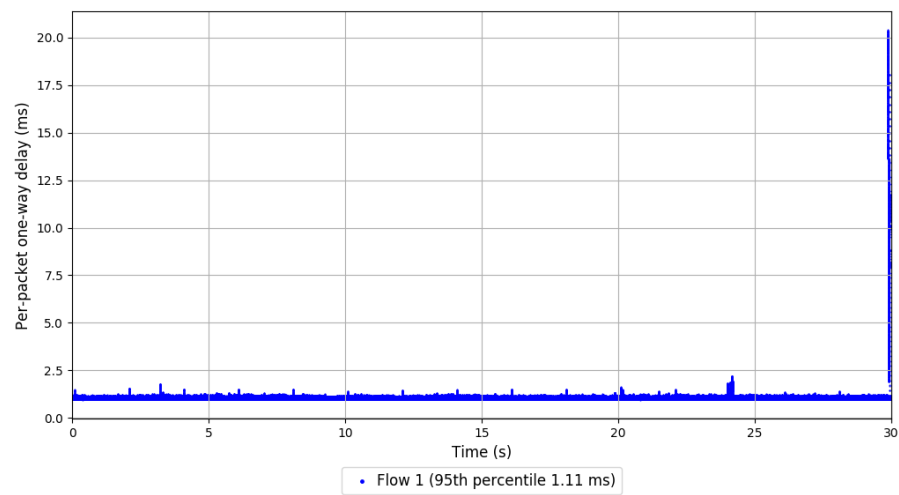
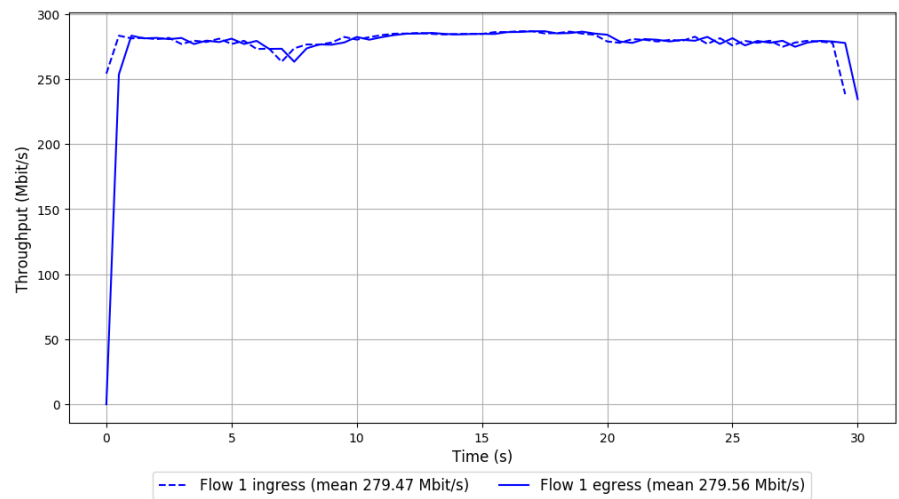
-- Flow 1:

Average throughput: 279.56 Mbit/s

95th percentile per-packet one-way delay: 1.111 ms

Loss rate: 0.03%

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

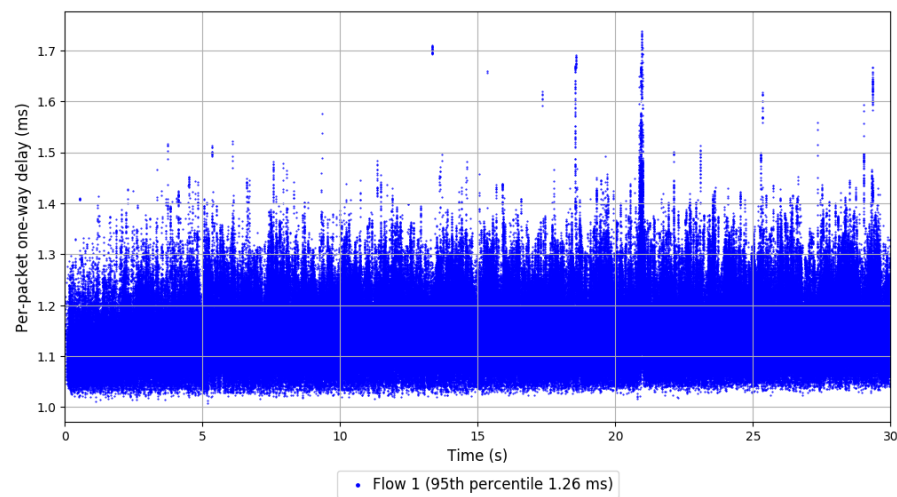
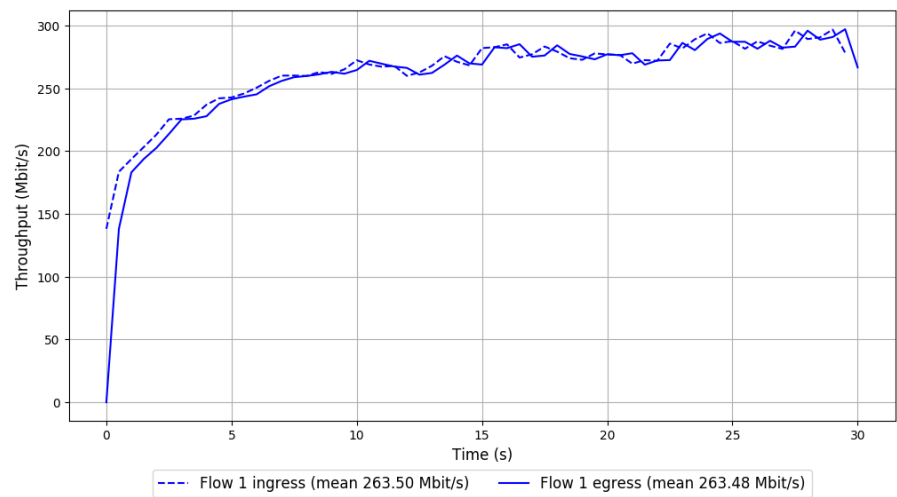


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 19:42:11
End at: 2018-06-05 19:42:41
Local clock offset: 0.241 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-06-06 01:12:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.48 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 263.48 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 20:06:25

End at: 2018-06-05 20:06:55

Local clock offset: -0.003 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-06 01:12:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.22 Mbit/s

95th percentile per-packet one-way delay: 1.255 ms

Loss rate: 0.06%

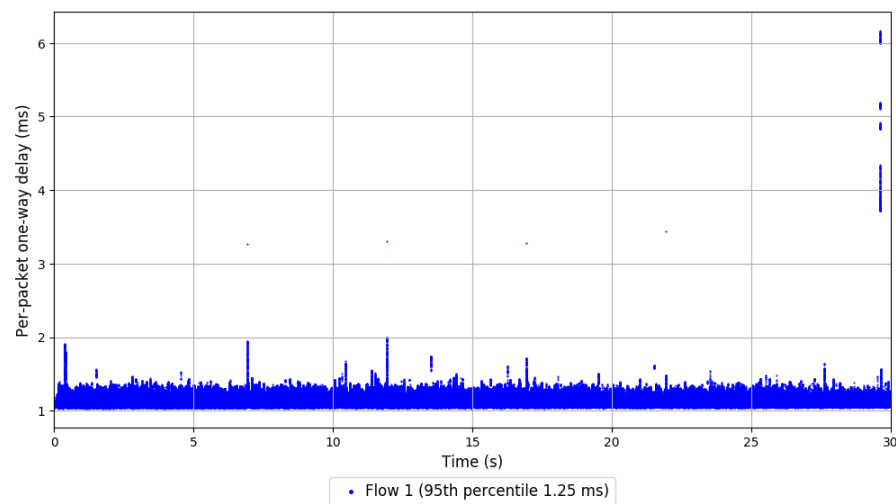
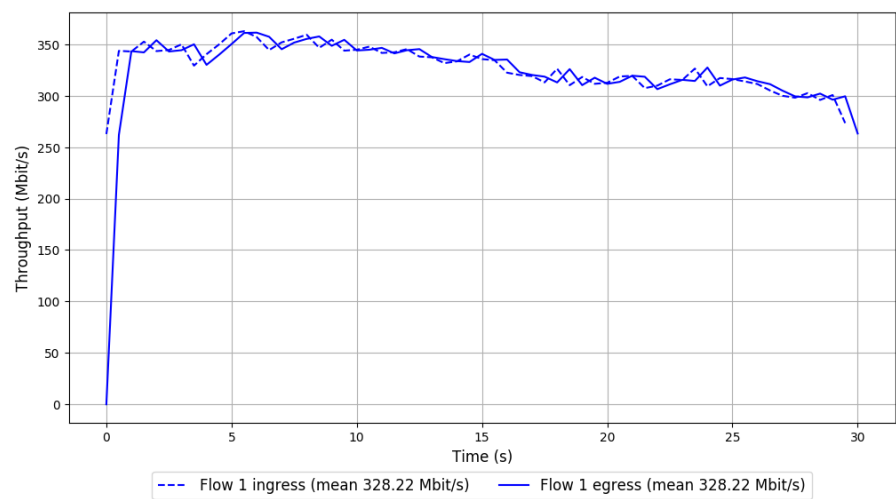
-- Flow 1:

Average throughput: 328.22 Mbit/s

95th percentile per-packet one-way delay: 1.255 ms

Loss rate: 0.06%

Run 2: Report of TCP Vegas — Data Link

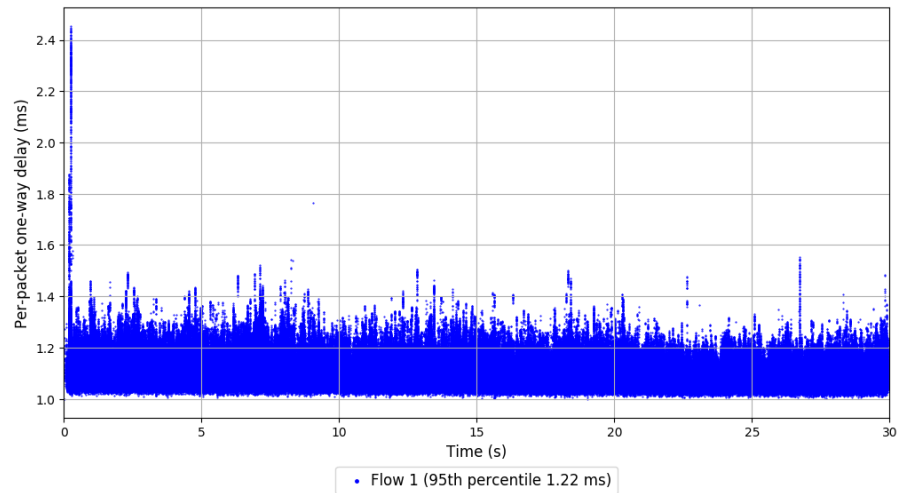
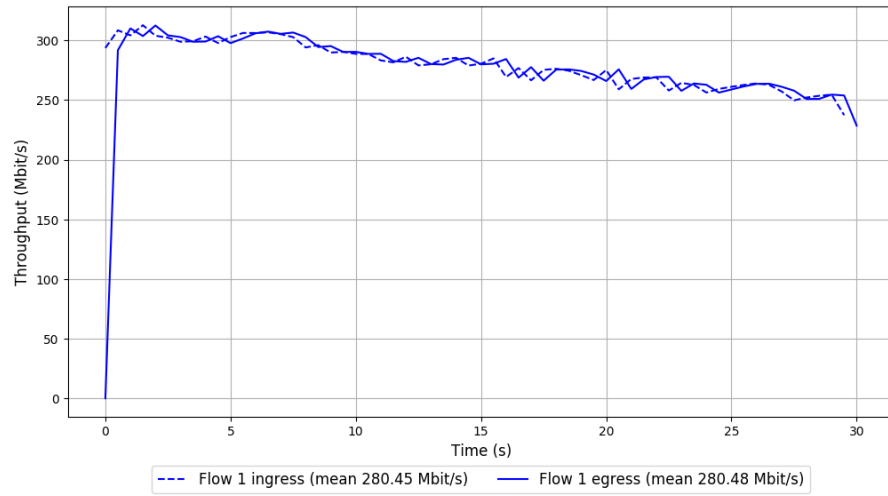


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 20:30:38
End at: 2018-06-05 20:31:08
Local clock offset: 0.306 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-06 01:12:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.48 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 280.48 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link

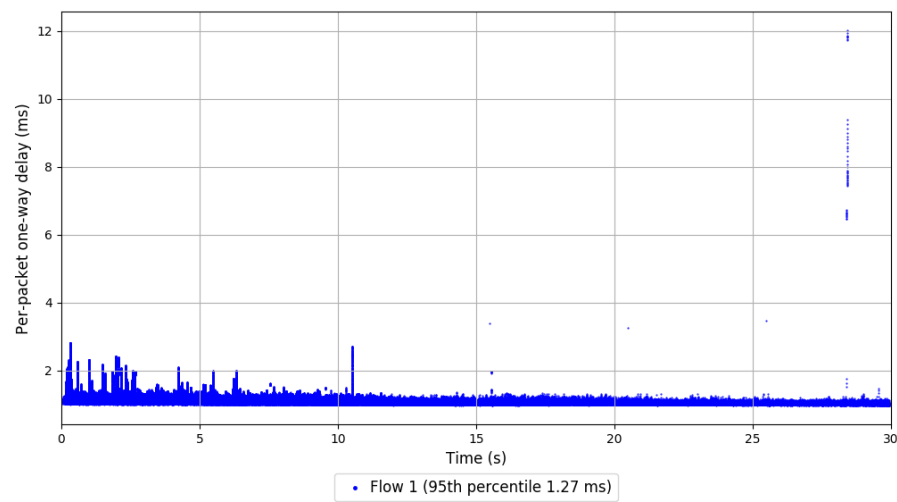
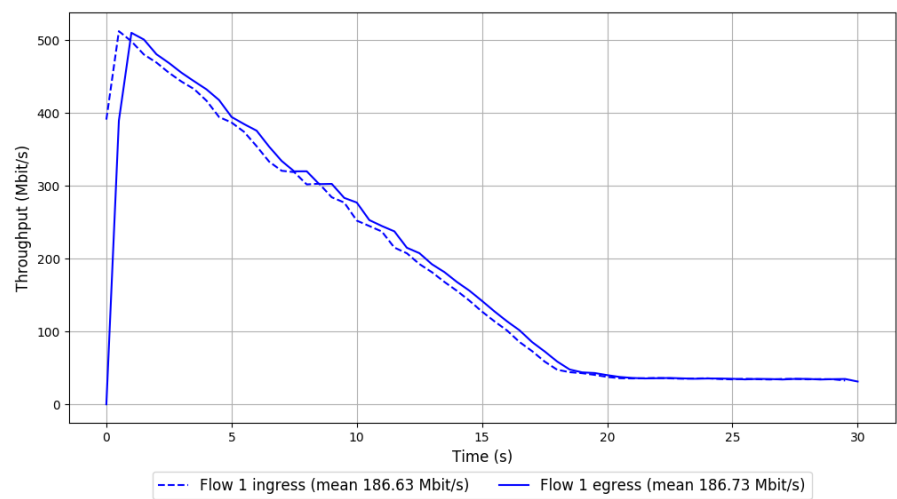


Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 20:54:49
End at: 2018-06-05 20:55:19
Local clock offset: 0.59 ms
Remote clock offset: -0.686 ms

Below is generated by plot.py at 2018-06-06 01:12:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.73 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.73 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

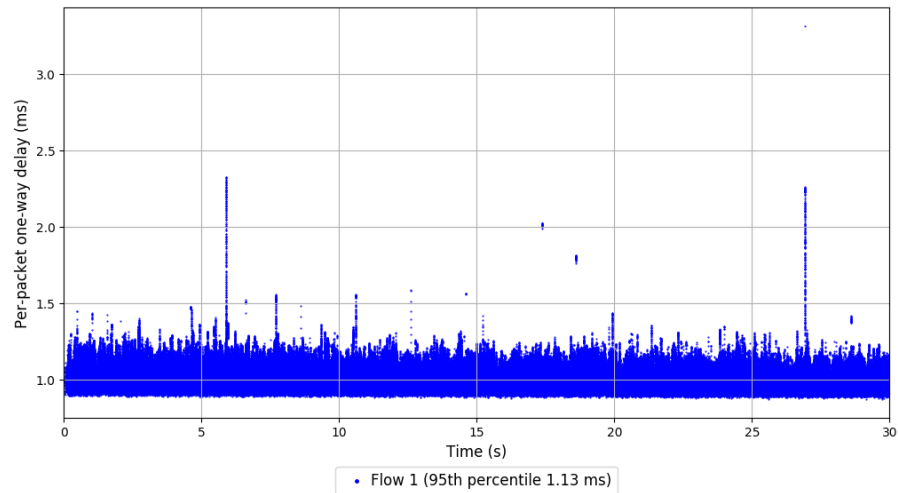
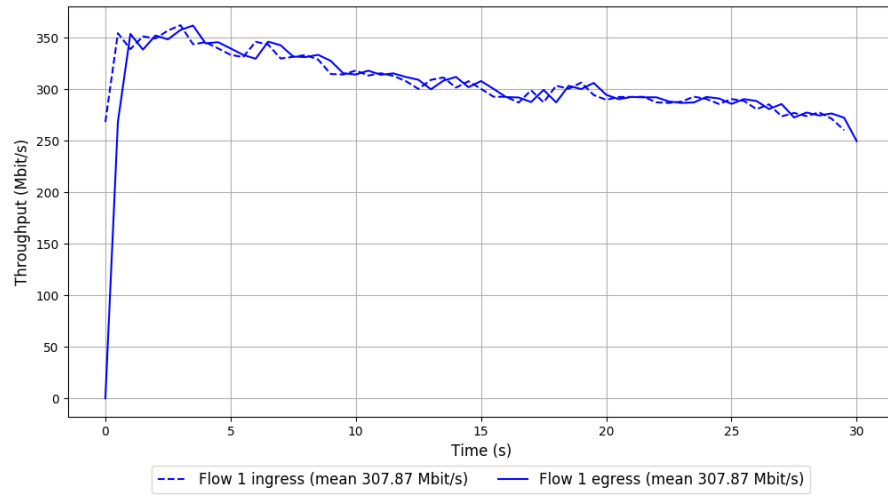


Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 21:18:45
End at: 2018-06-05 21:19:15
Local clock offset: 0.694 ms
Remote clock offset: -1.844 ms

Below is generated by plot.py at 2018-06-06 01:13:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.87 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 307.87 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.06%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 21:42:56

End at: 2018-06-05 21:43:26

Local clock offset: 0.118 ms

Remote clock offset: -2.22 ms

Below is generated by plot.py at 2018-06-06 01:13:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.51 Mbit/s

95th percentile per-packet one-way delay: 1.184 ms

Loss rate: 0.07%

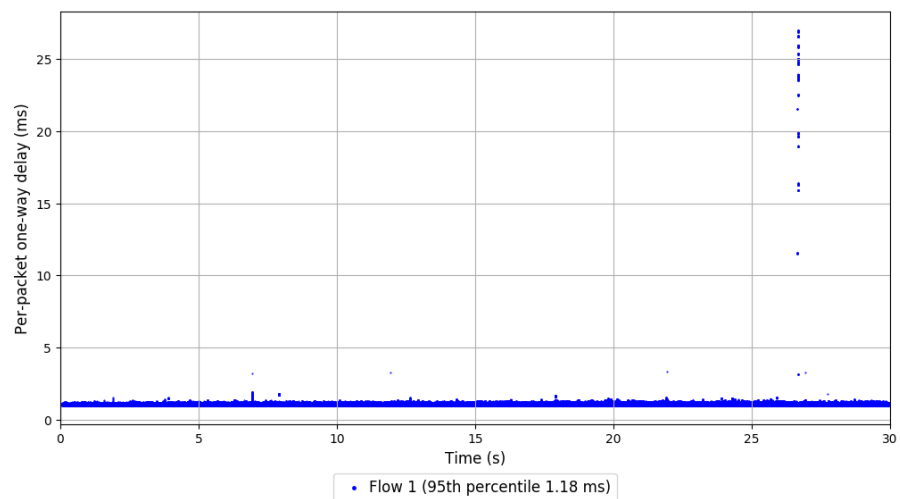
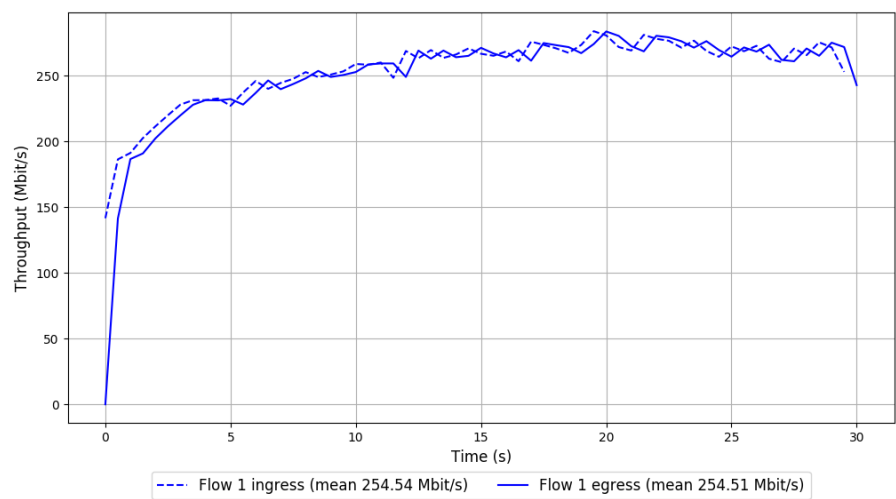
-- Flow 1:

Average throughput: 254.51 Mbit/s

95th percentile per-packet one-way delay: 1.184 ms

Loss rate: 0.07%

Run 6: Report of TCP Vegas — Data Link

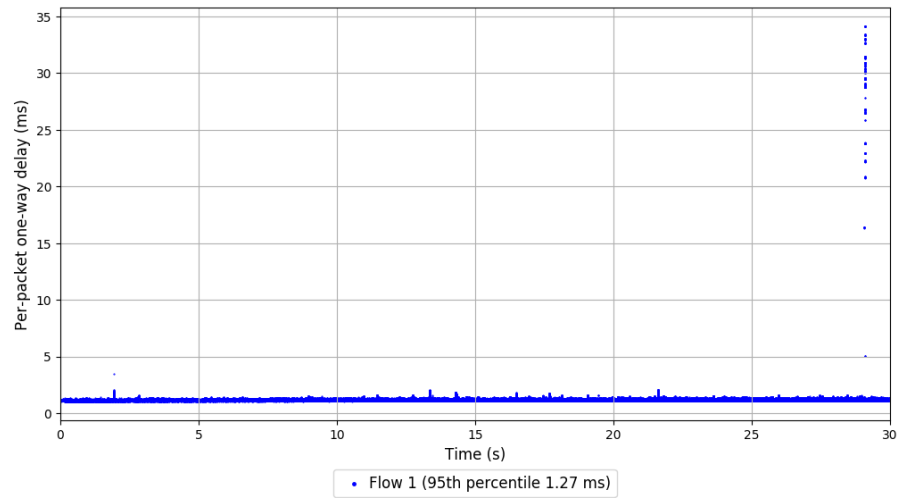
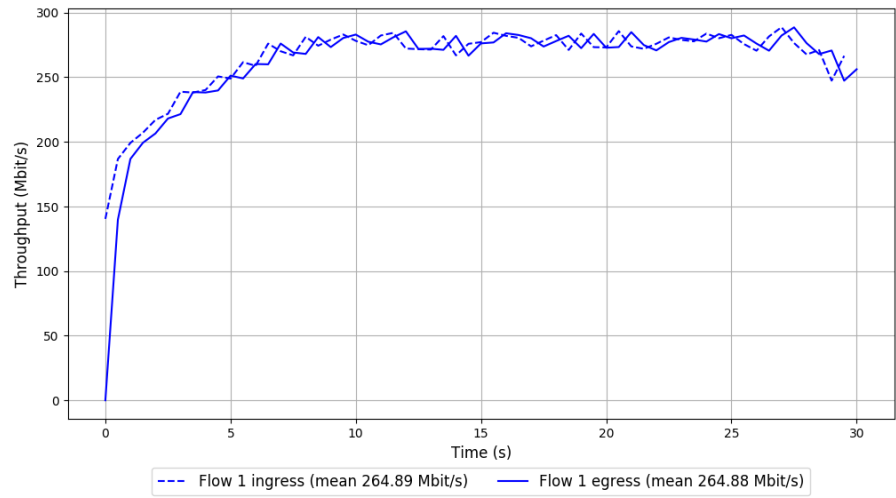


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 22:07:11
End at: 2018-06-05 22:07:41
Local clock offset: 0.157 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2018-06-06 01:13:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.88 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 264.88 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.07%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 22:31:22

End at: 2018-06-05 22:31:52

Local clock offset: 0.317 ms

Remote clock offset: 0.549 ms

Below is generated by plot.py at 2018-06-06 01:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.58 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.07%

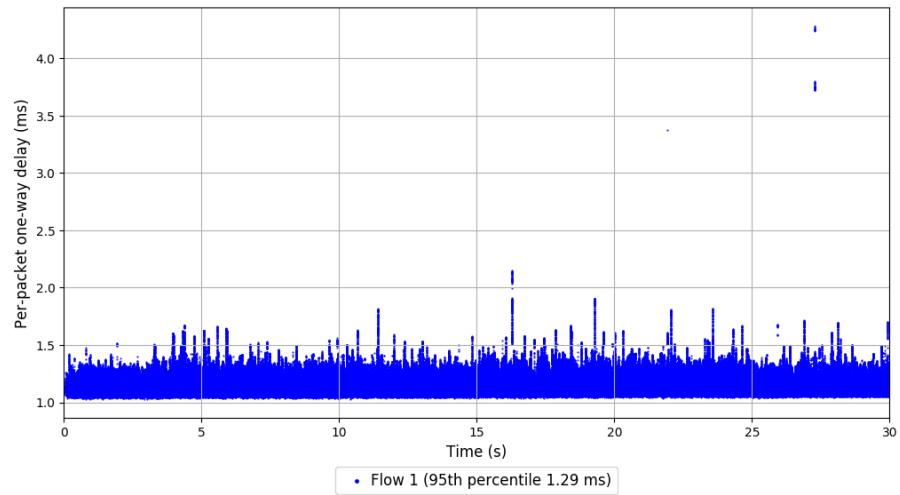
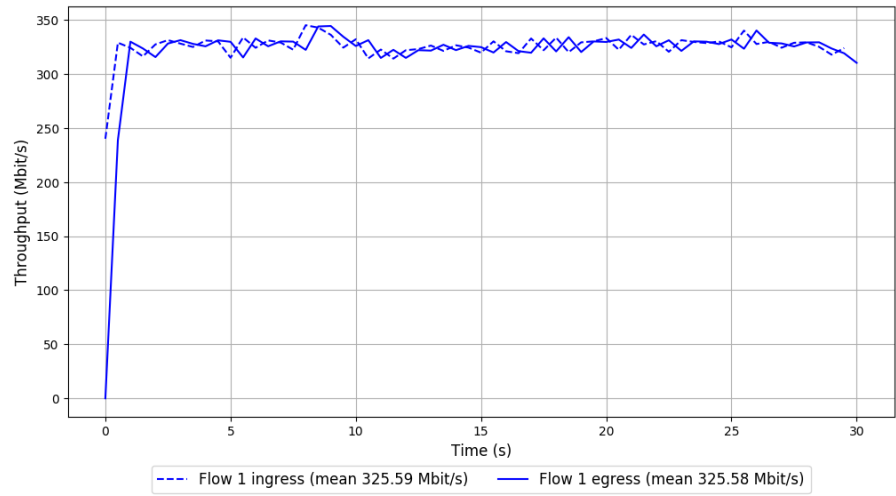
-- Flow 1:

Average throughput: 325.58 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.07%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 22:55:29

End at: 2018-06-05 22:55:59

Local clock offset: 0.428 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-06-06 01:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.71 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.02%

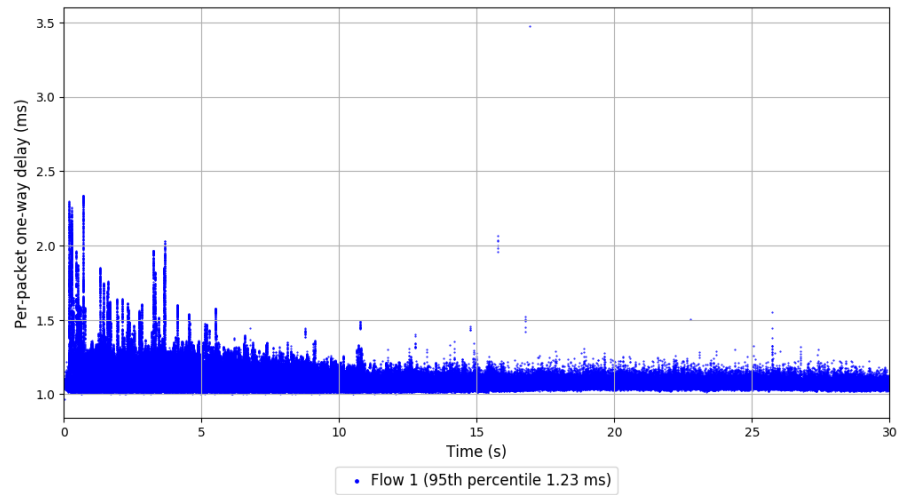
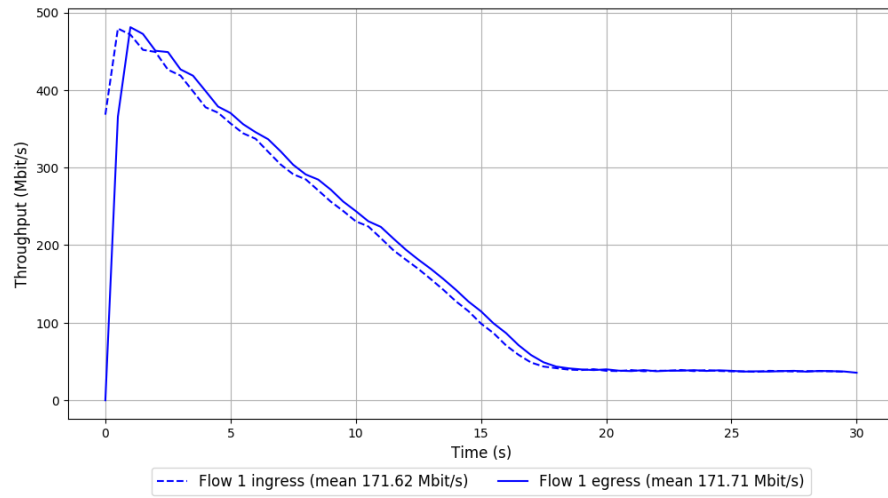
-- Flow 1:

Average throughput: 171.71 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 23:19:36

End at: 2018-06-05 23:20:06

Local clock offset: 0.463 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-06 01:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.02 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.01%

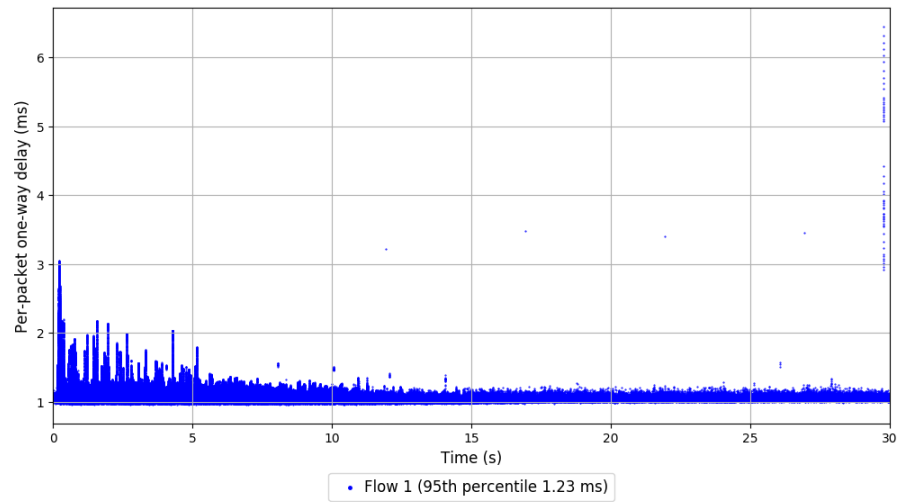
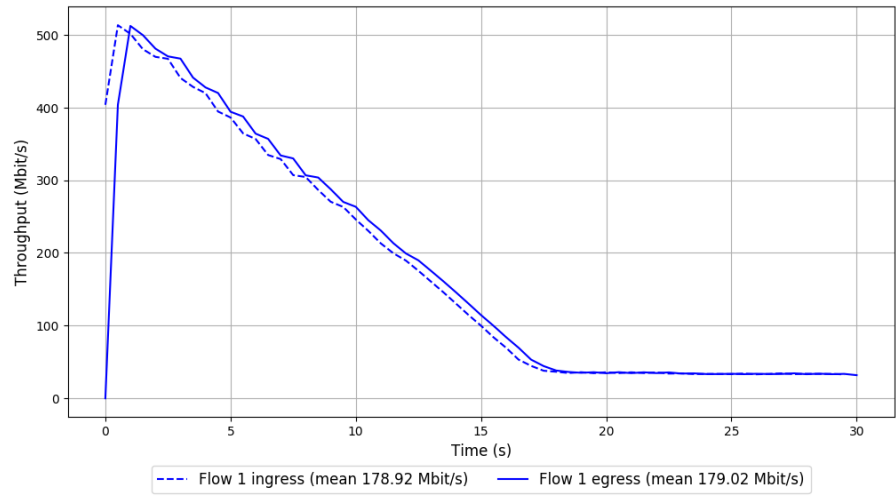
-- Flow 1:

Average throughput: 179.02 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link

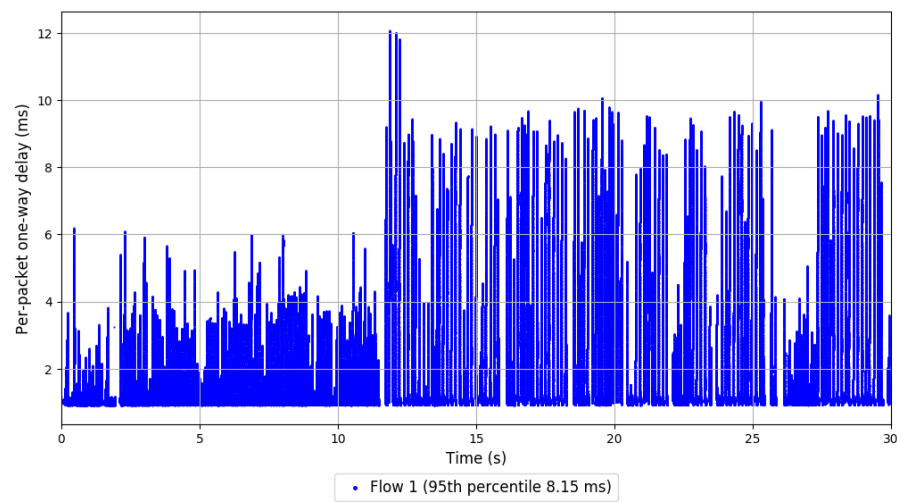
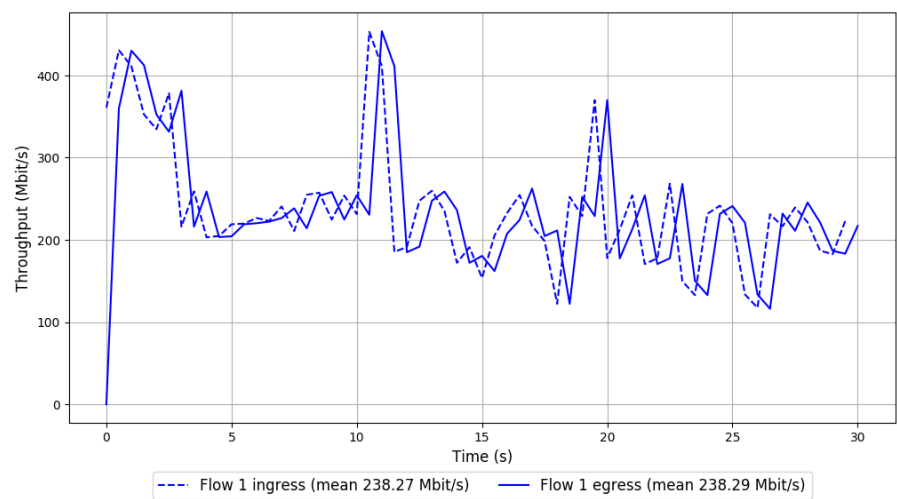


Run 1: Statistics of Verus

Start at: 2018-06-05 19:30:39
End at: 2018-06-05 19:31:09
Local clock offset: 0.318 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-06-06 01:15:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.29 Mbit/s
95th percentile per-packet one-way delay: 8.149 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 238.29 Mbit/s
95th percentile per-packet one-way delay: 8.149 ms
Loss rate: 0.04%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-05 19:54:48

End at: 2018-06-05 19:55:18

Local clock offset: 0.116 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-06-06 01:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.79 Mbit/s

95th percentile per-packet one-way delay: 9.307 ms

Loss rate: 0.15%

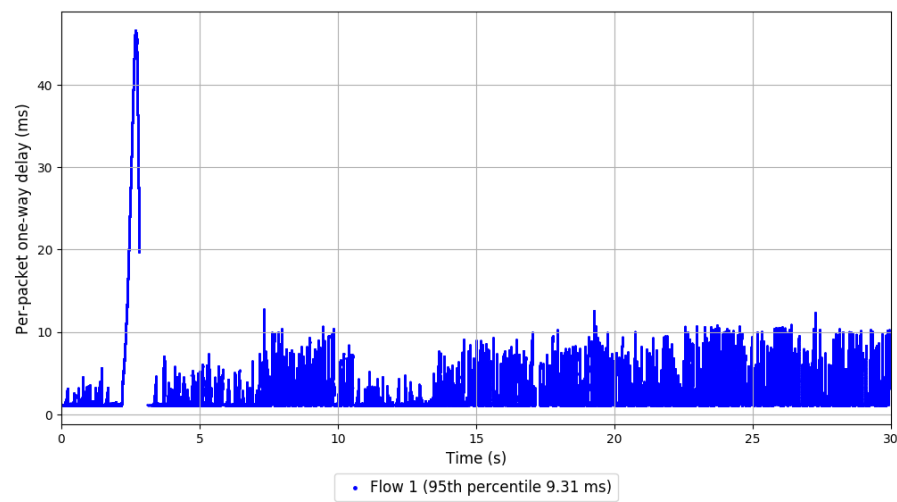
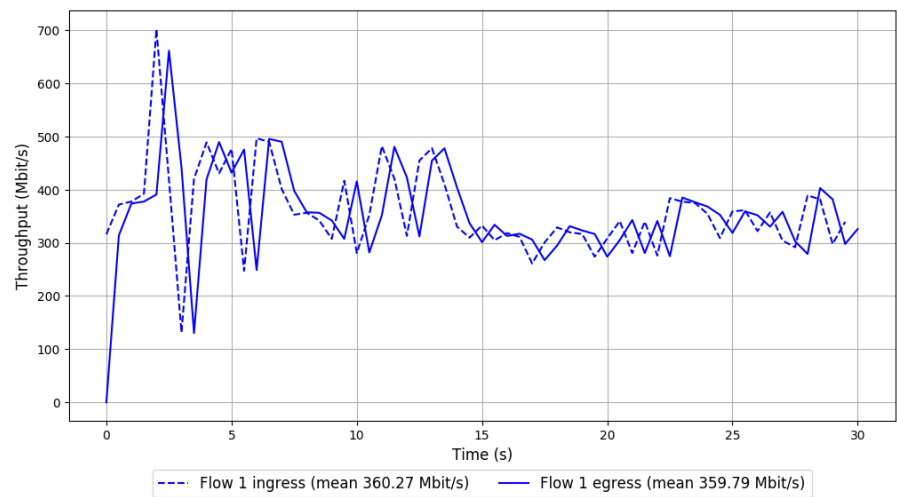
-- Flow 1:

Average throughput: 359.79 Mbit/s

95th percentile per-packet one-way delay: 9.307 ms

Loss rate: 0.15%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-05 20:19:02

End at: 2018-06-05 20:19:32

Local clock offset: -0.03 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-06-06 01:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.18 Mbit/s

95th percentile per-packet one-way delay: 6.236 ms

Loss rate: 0.26%

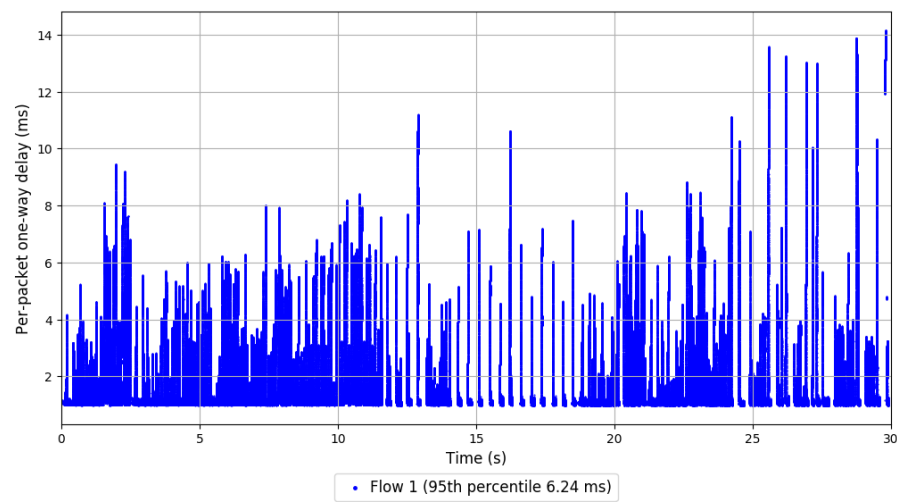
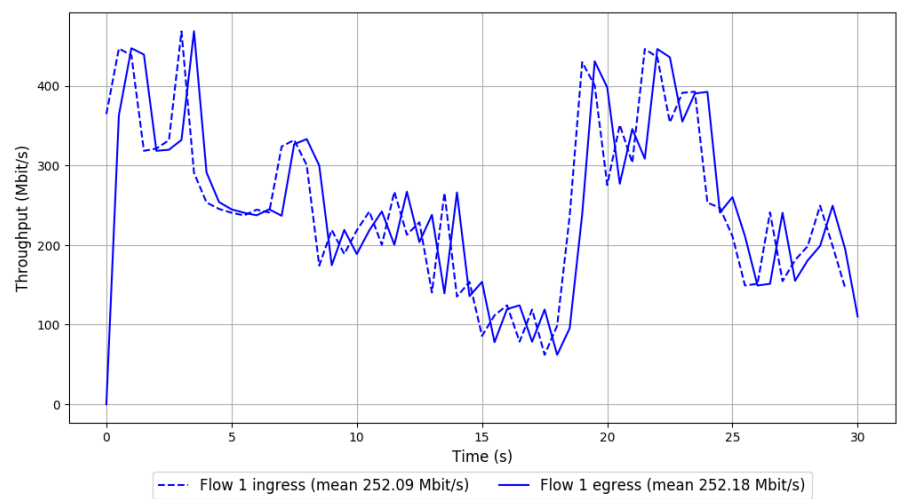
-- Flow 1:

Average throughput: 252.18 Mbit/s

95th percentile per-packet one-way delay: 6.236 ms

Loss rate: 0.26%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-05 20:43:15

End at: 2018-06-05 20:43:45

Local clock offset: 0.466 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-06-06 01:17:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.78 Mbit/s

95th percentile per-packet one-way delay: 5.252 ms

Loss rate: 0.01%

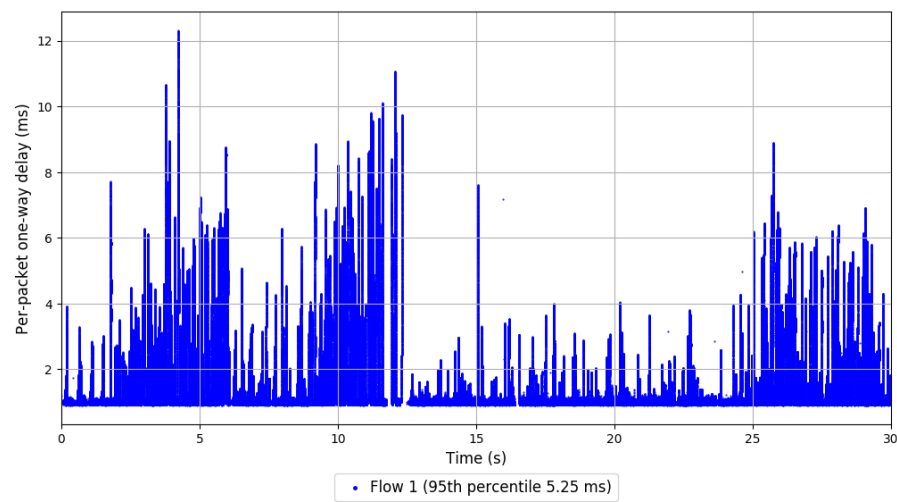
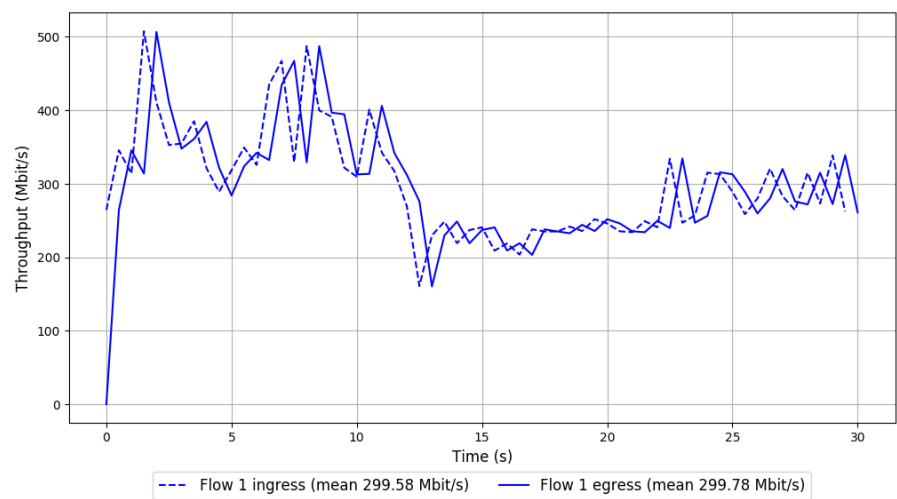
-- Flow 1:

Average throughput: 299.78 Mbit/s

95th percentile per-packet one-way delay: 5.252 ms

Loss rate: 0.01%

Run 4: Report of Verus — Data Link

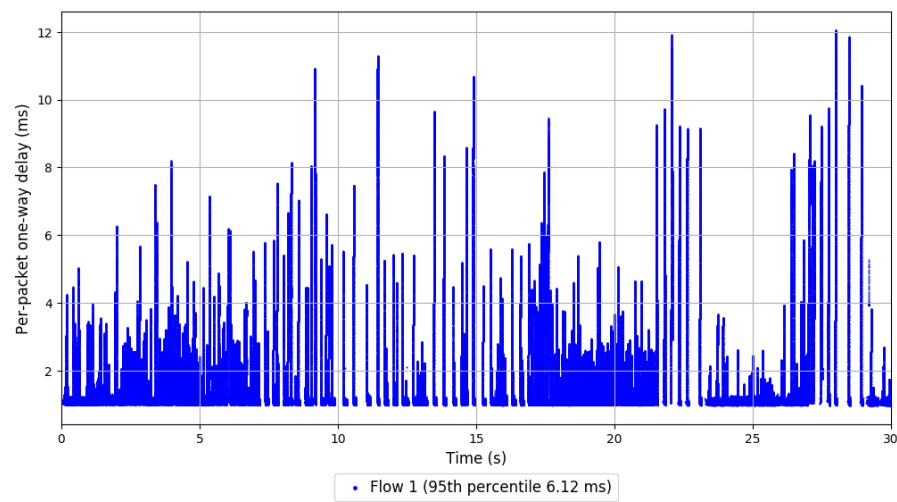
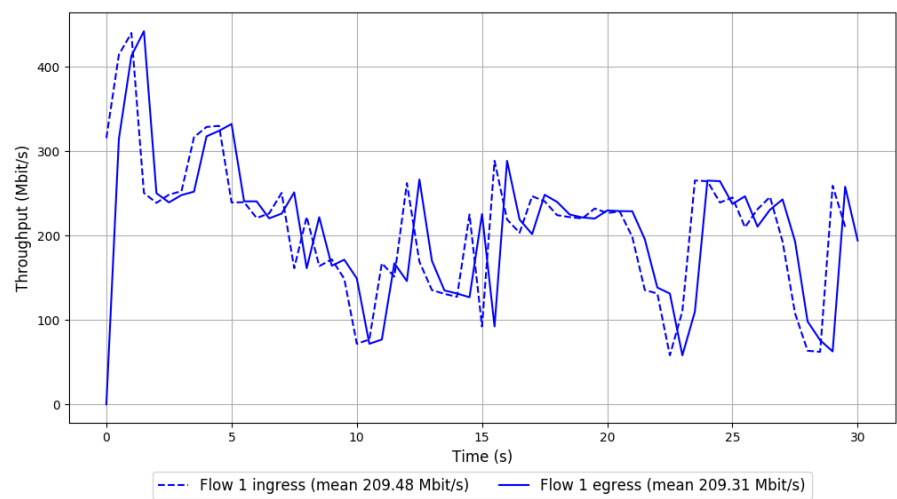


Run 5: Statistics of Verus

Start at: 2018-06-05 21:07:20
End at: 2018-06-05 21:07:50
Local clock offset: 0.701 ms
Remote clock offset: -1.531 ms

Below is generated by plot.py at 2018-06-06 01:17:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.31 Mbit/s
95th percentile per-packet one-way delay: 6.122 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 209.31 Mbit/s
95th percentile per-packet one-way delay: 6.122 ms
Loss rate: 0.14%

Run 5: Report of Verus — Data Link

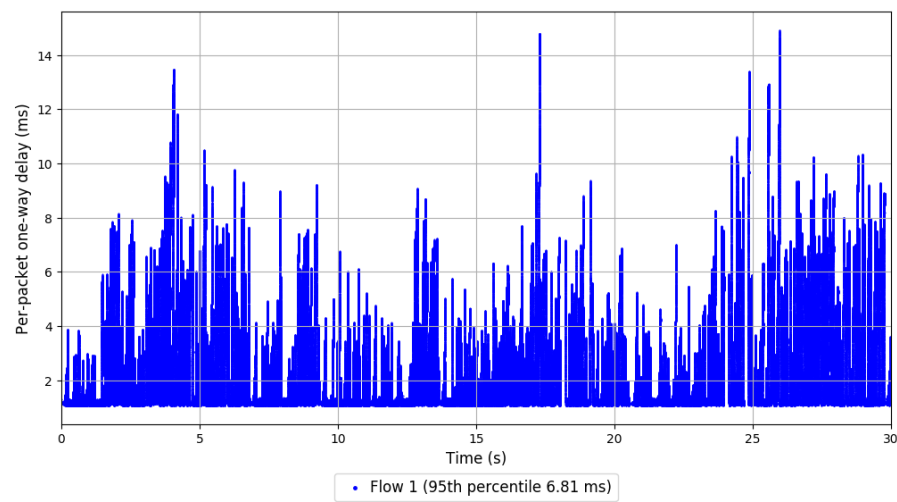
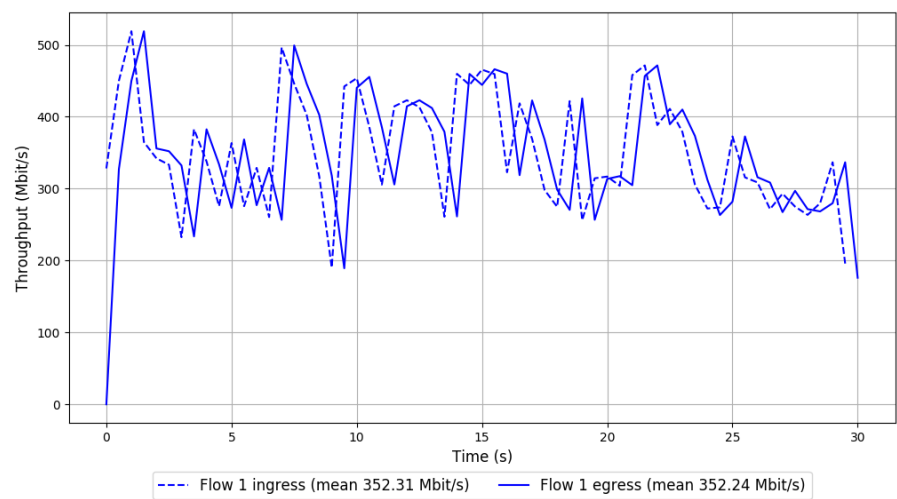


Run 6: Statistics of Verus

Start at: 2018-06-05 21:31:25
End at: 2018-06-05 21:31:55
Local clock offset: 0.323 ms
Remote clock offset: -2.077 ms

Below is generated by plot.py at 2018-06-06 01:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 352.24 Mbit/s
95th percentile per-packet one-way delay: 6.807 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 352.24 Mbit/s
95th percentile per-packet one-way delay: 6.807 ms
Loss rate: 0.09%

Run 6: Report of Verus — Data Link

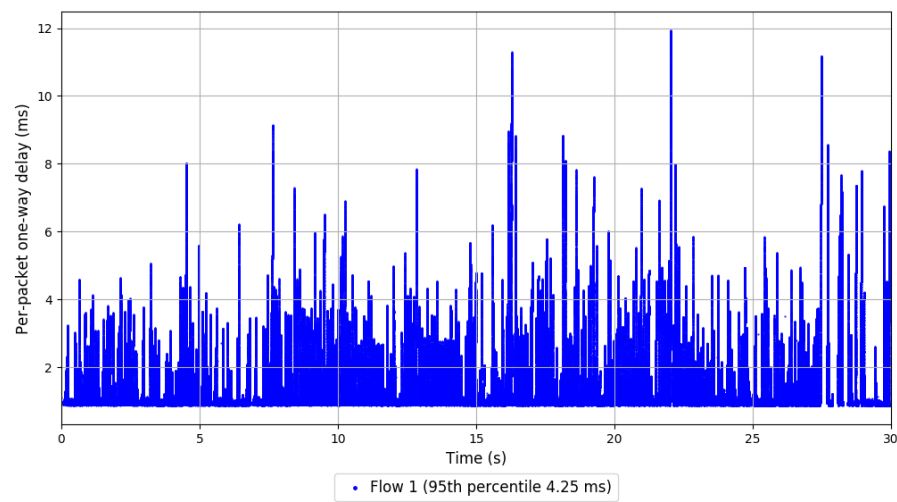
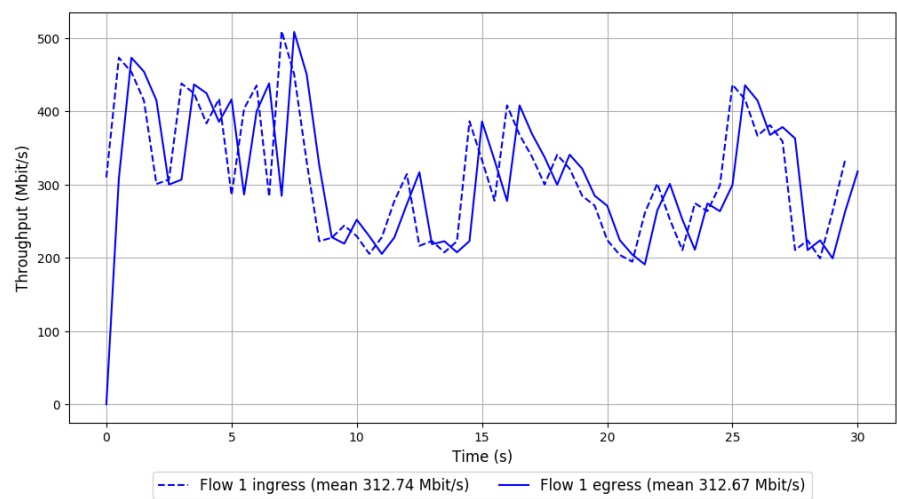


Run 7: Statistics of Verus

Start at: 2018-06-05 21:55:33
End at: 2018-06-05 21:56:03
Local clock offset: 0.103 ms
Remote clock offset: -2.377 ms

Below is generated by plot.py at 2018-06-06 01:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.67 Mbit/s
95th percentile per-packet one-way delay: 4.248 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 312.67 Mbit/s
95th percentile per-packet one-way delay: 4.248 ms
Loss rate: 0.09%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-05 22:19:49

End at: 2018-06-05 22:20:19

Local clock offset: 0.108 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-06 01:17:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.54 Mbit/s

95th percentile per-packet one-way delay: 7.692 ms

Loss rate: 0.00%

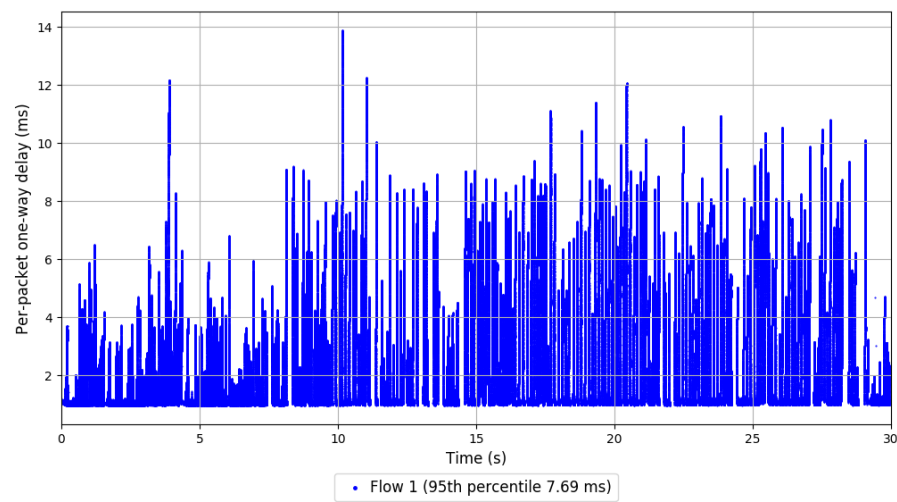
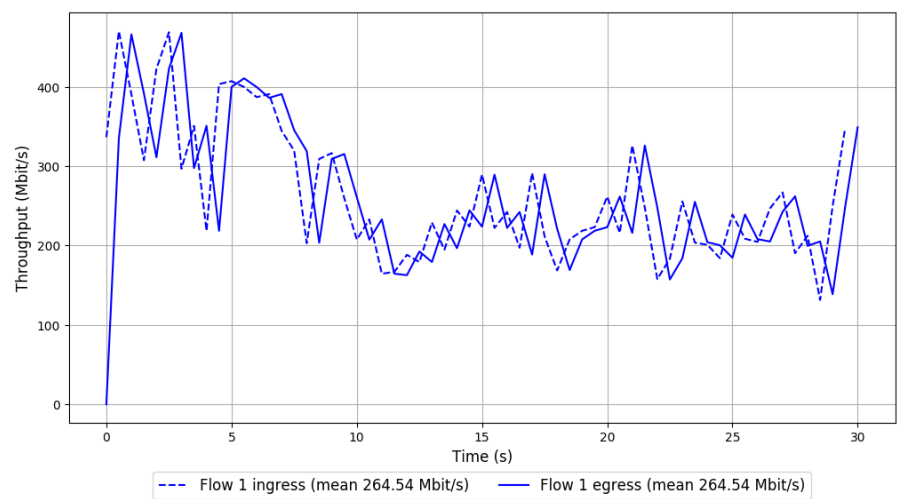
-- Flow 1:

Average throughput: 264.54 Mbit/s

95th percentile per-packet one-way delay: 7.692 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-05 22:43:58

End at: 2018-06-05 22:44:28

Local clock offset: 0.26 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-06-06 01:18:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.99 Mbit/s

95th percentile per-packet one-way delay: 5.670 ms

Loss rate: 0.04%

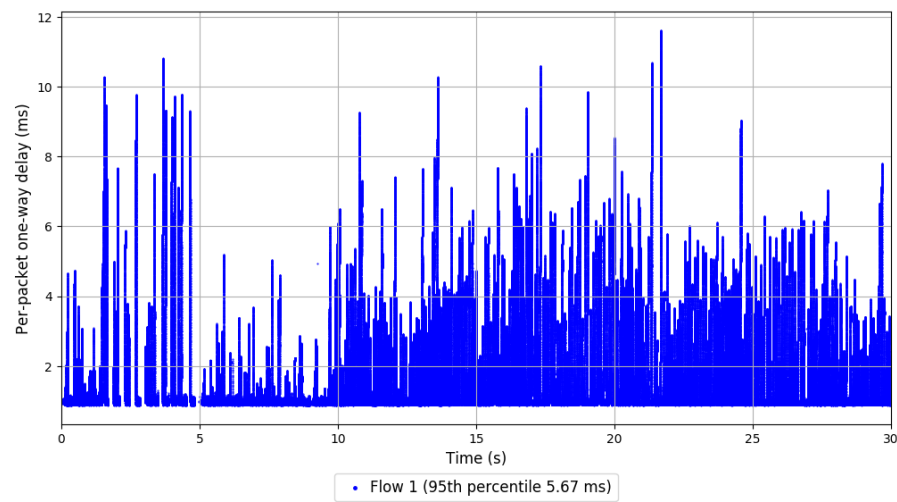
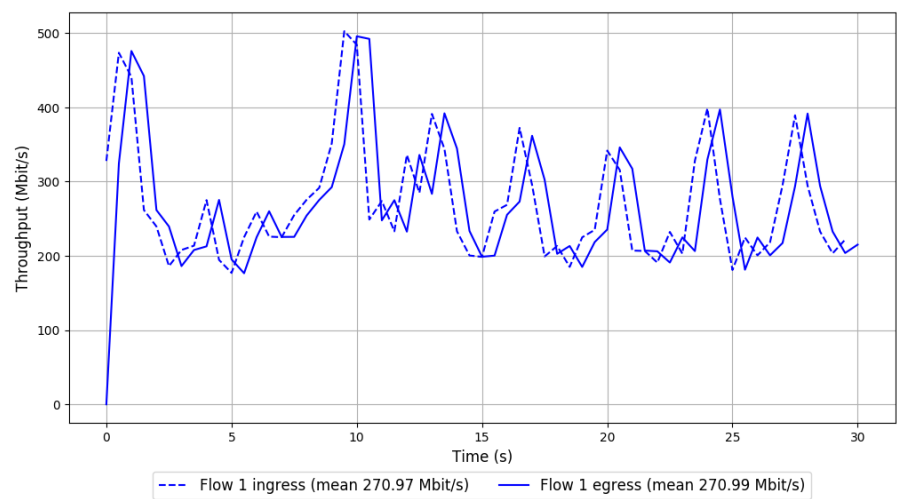
-- Flow 1:

Average throughput: 270.99 Mbit/s

95th percentile per-packet one-way delay: 5.670 ms

Loss rate: 0.04%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-05 23:08:03

End at: 2018-06-05 23:08:33

Local clock offset: 0.517 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-06-06 01:18:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.41 Mbit/s

95th percentile per-packet one-way delay: 7.013 ms

Loss rate: 0.25%

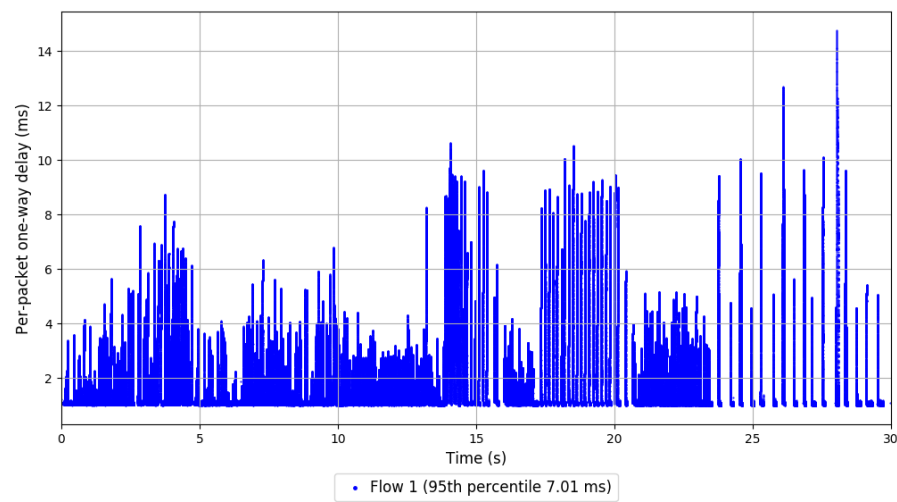
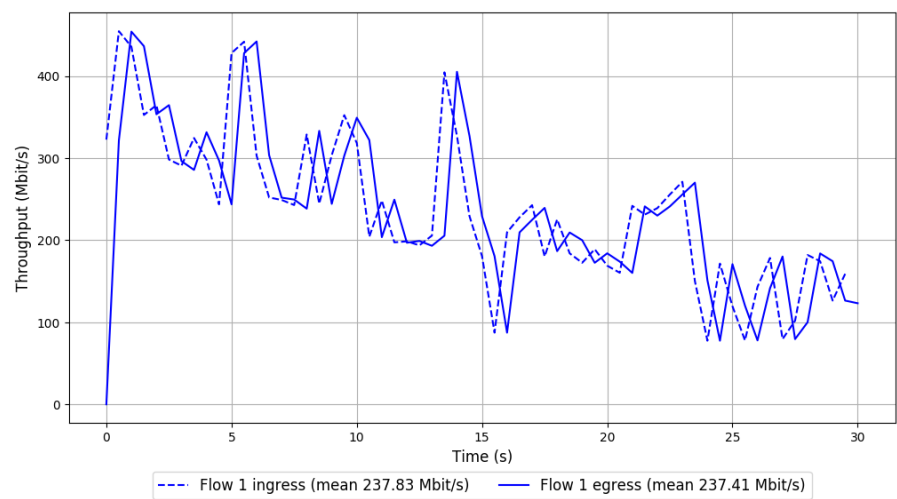
-- Flow 1:

Average throughput: 237.41 Mbit/s

95th percentile per-packet one-way delay: 7.013 ms

Loss rate: 0.25%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 19:53:13

End at: 2018-06-05 19:53:43

Local clock offset: 0.133 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-06 01:20:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.48 Mbit/s

95th percentile per-packet one-way delay: 1.055 ms

Loss rate: 0.06%

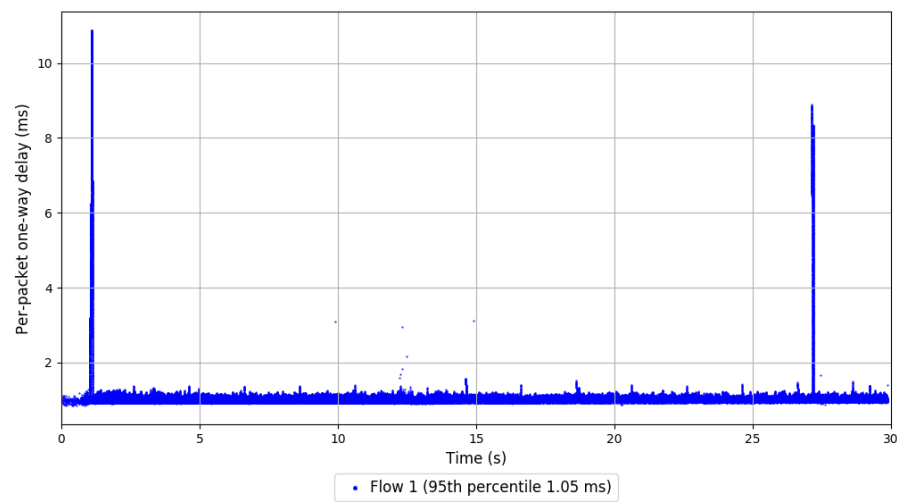
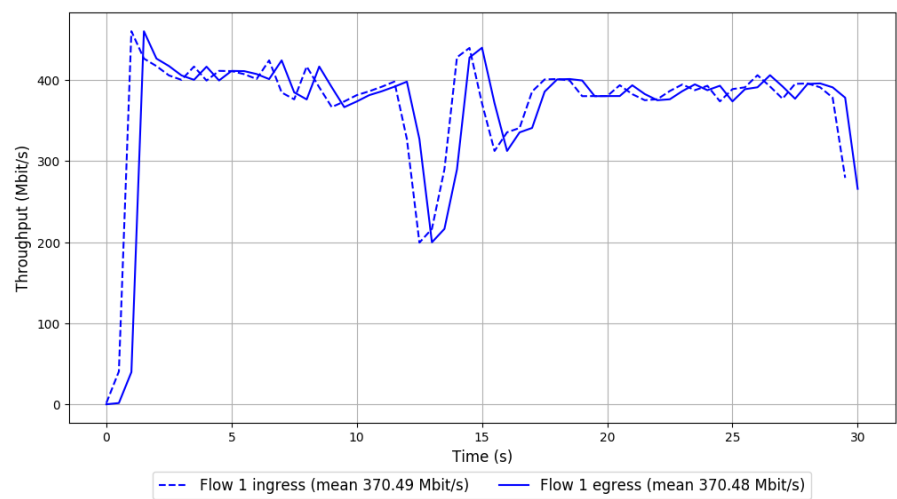
-- Flow 1:

Average throughput: 370.48 Mbit/s

95th percentile per-packet one-way delay: 1.055 ms

Loss rate: 0.06%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 20:17:28

End at: 2018-06-05 20:17:58

Local clock offset: -0.121 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-06-06 01:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.31 Mbit/s

95th percentile per-packet one-way delay: 0.923 ms

Loss rate: 0.09%

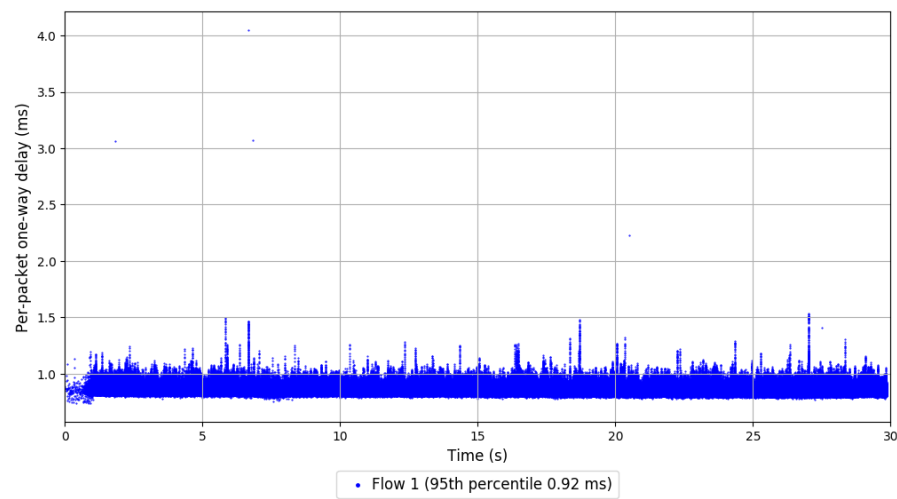
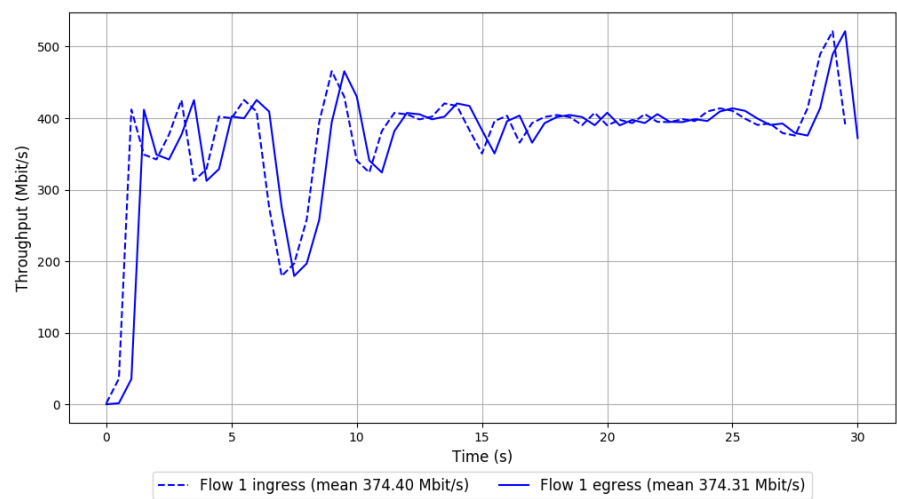
-- Flow 1:

Average throughput: 374.31 Mbit/s

95th percentile per-packet one-way delay: 0.923 ms

Loss rate: 0.09%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 20:41:38

End at: 2018-06-05 20:42:08

Local clock offset: 0.357 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-06-06 01:22:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 450.01 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.08%

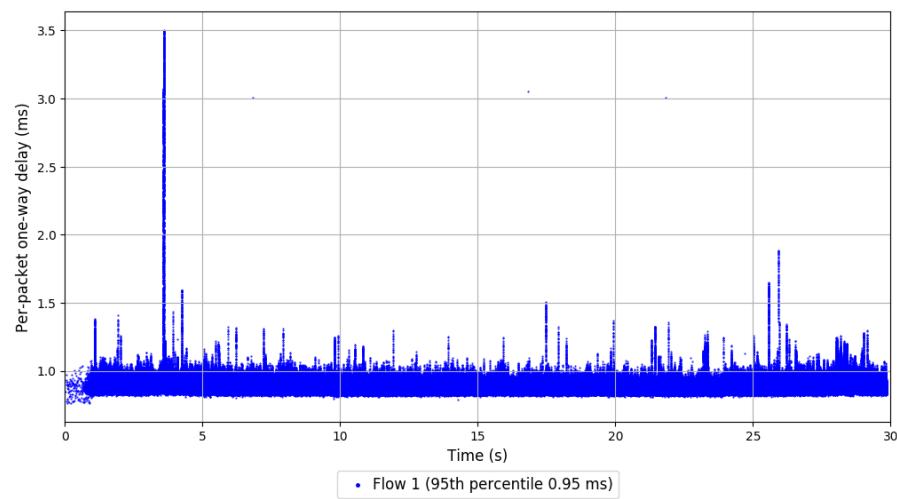
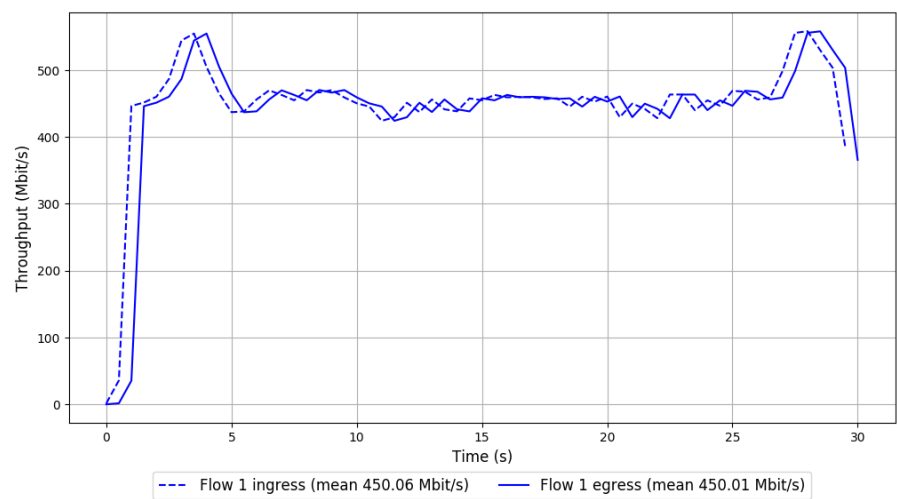
-- Flow 1:

Average throughput: 450.01 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.08%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 21:05:45

End at: 2018-06-05 21:06:15

Local clock offset: 0.601 ms

Remote clock offset: -1.467 ms

Below is generated by plot.py at 2018-06-06 01:22:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 417.83 Mbit/s

95th percentile per-packet one-way delay: 0.987 ms

Loss rate: 0.06%

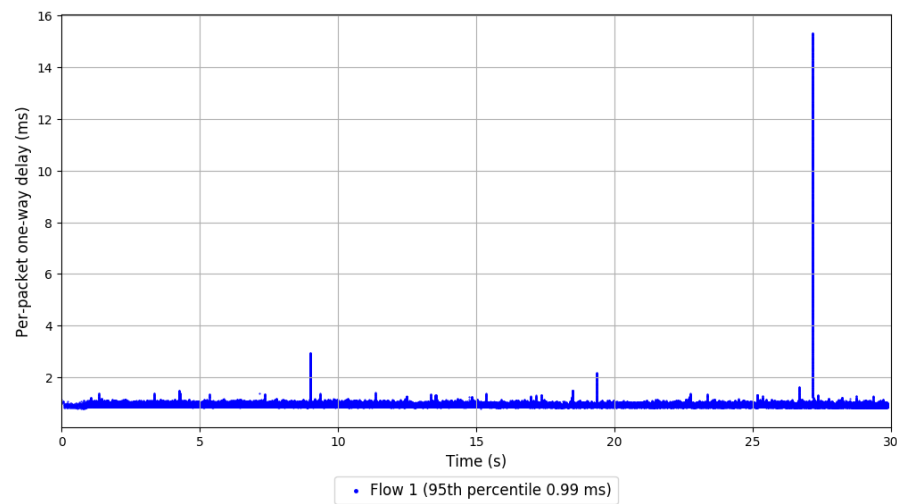
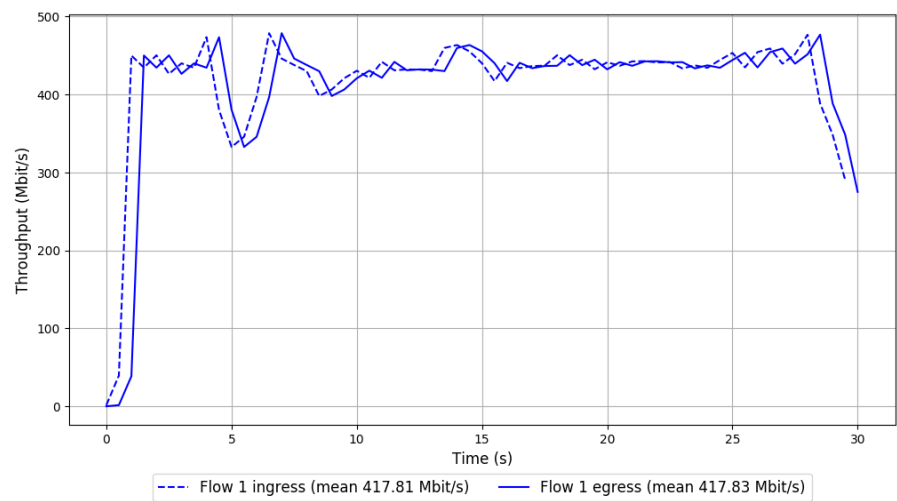
-- Flow 1:

Average throughput: 417.83 Mbit/s

95th percentile per-packet one-way delay: 0.987 ms

Loss rate: 0.06%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 21:29:49

End at: 2018-06-05 21:30:19

Local clock offset: 0.366 ms

Remote clock offset: -2.044 ms

Below is generated by plot.py at 2018-06-06 01:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 431.11 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.07%

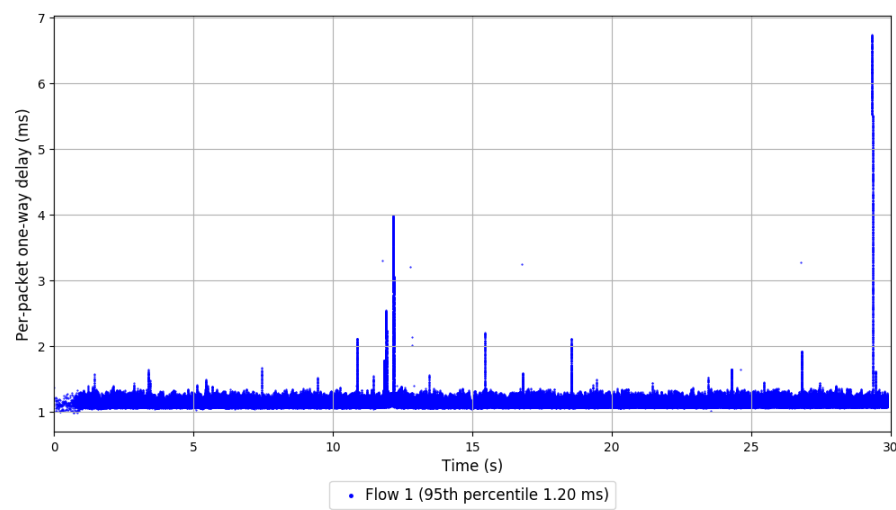
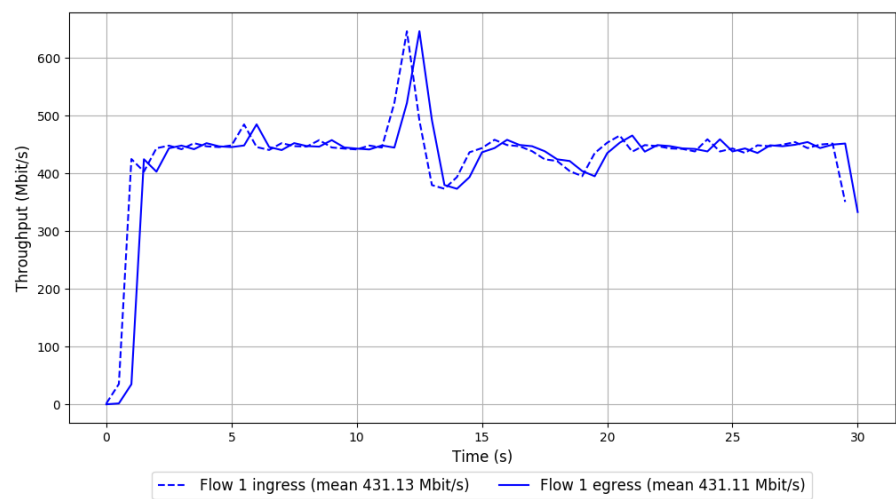
-- Flow 1:

Average throughput: 431.11 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.07%

Run 5: Report of PCC-Vivace — Data Link

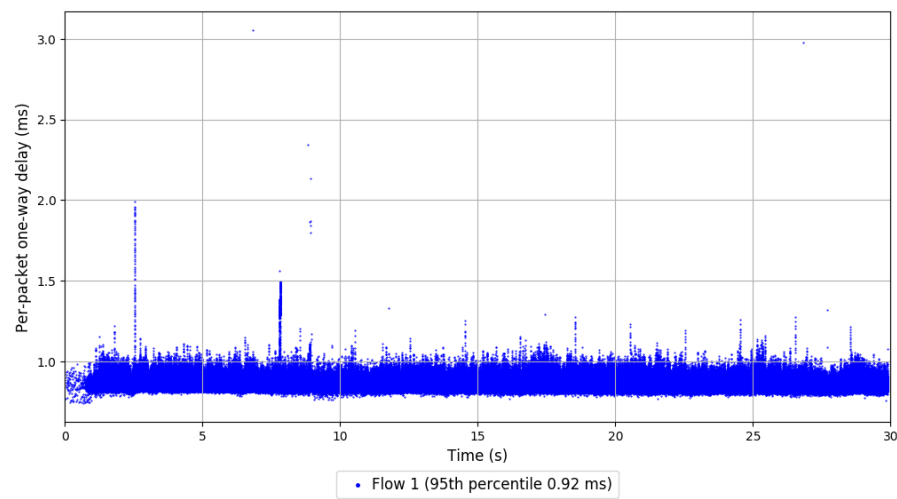
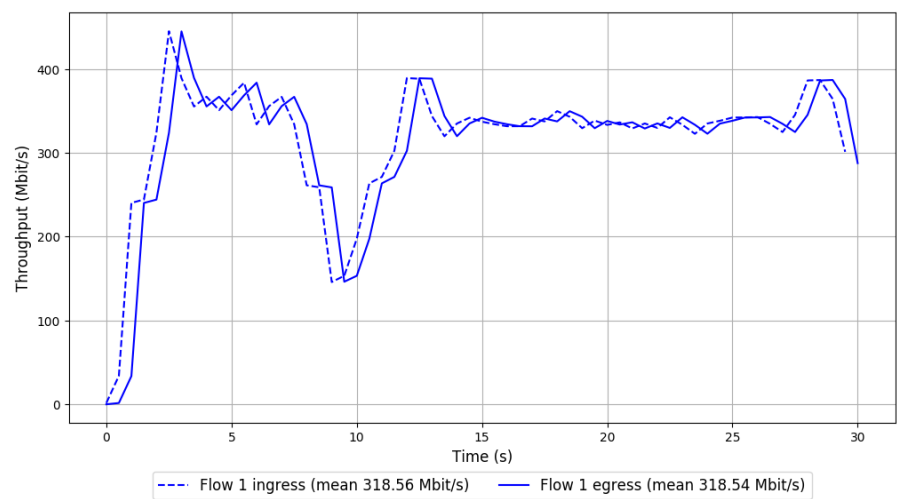


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 21:54:01
End at: 2018-06-05 21:54:31
Local clock offset: 0.01 ms
Remote clock offset: -2.357 ms

Below is generated by plot.py at 2018-06-06 01:23:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.54 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 318.54 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.07%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 22:18:12

End at: 2018-06-05 22:18:42

Local clock offset: 0.168 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-06-06 01:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.25 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.07%

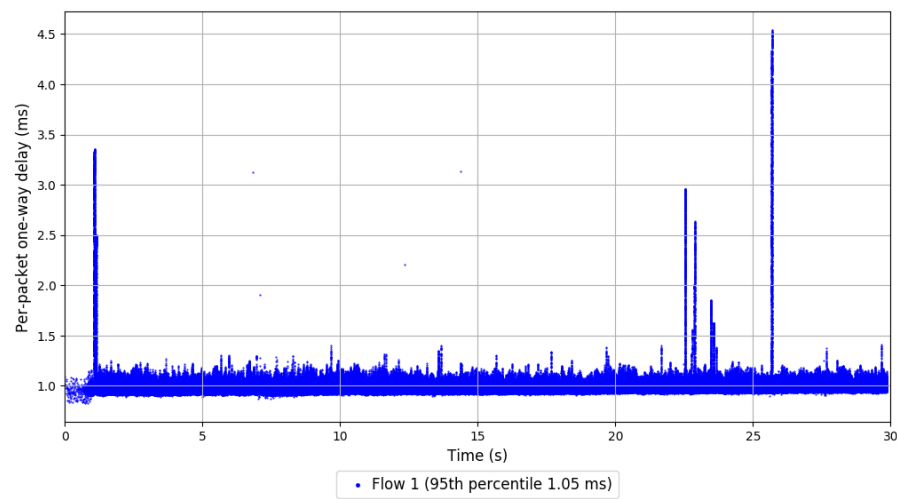
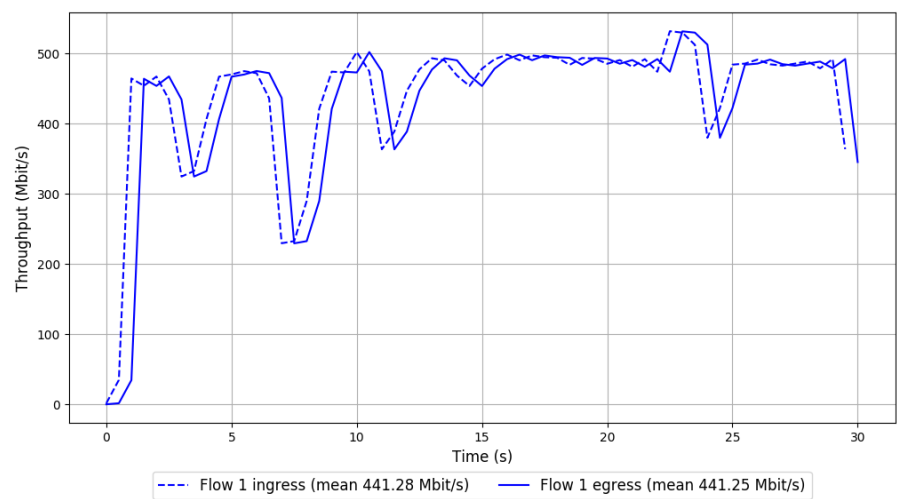
-- Flow 1:

Average throughput: 441.25 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.07%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 22:42:25

End at: 2018-06-05 22:42:55

Local clock offset: 0.253 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2018-06-06 01:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.59 Mbit/s

95th percentile per-packet one-way delay: 0.942 ms

Loss rate: 0.07%

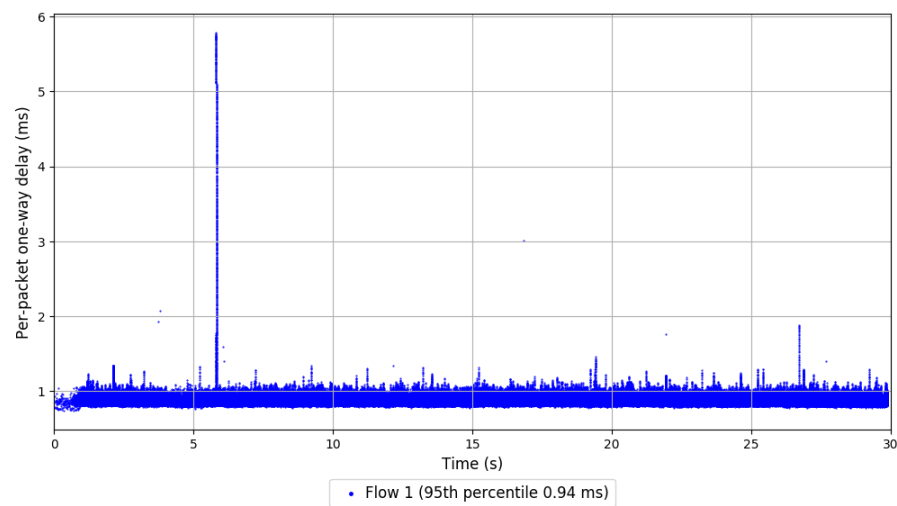
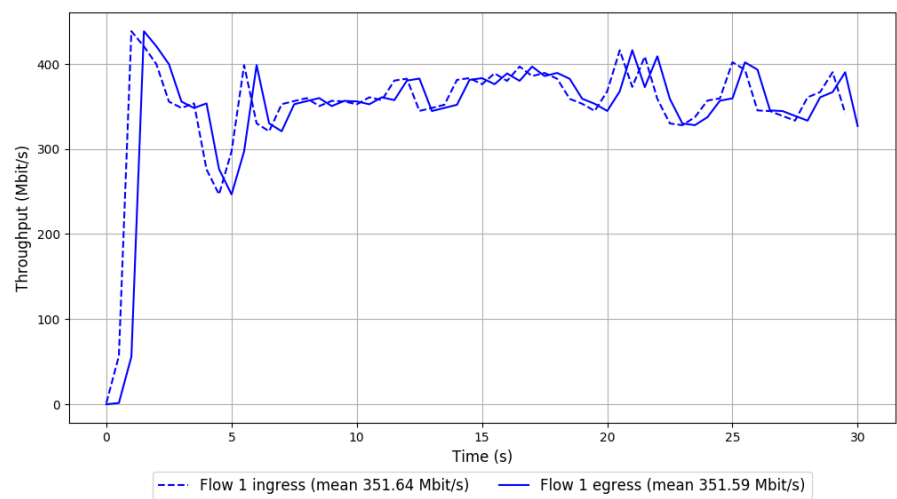
-- Flow 1:

Average throughput: 351.59 Mbit/s

95th percentile per-packet one-way delay: 0.942 ms

Loss rate: 0.07%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 23:06:26

End at: 2018-06-05 23:06:56

Local clock offset: 0.434 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2018-06-06 01:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 437.71 Mbit/s

95th percentile per-packet one-way delay: 0.969 ms

Loss rate: 0.07%

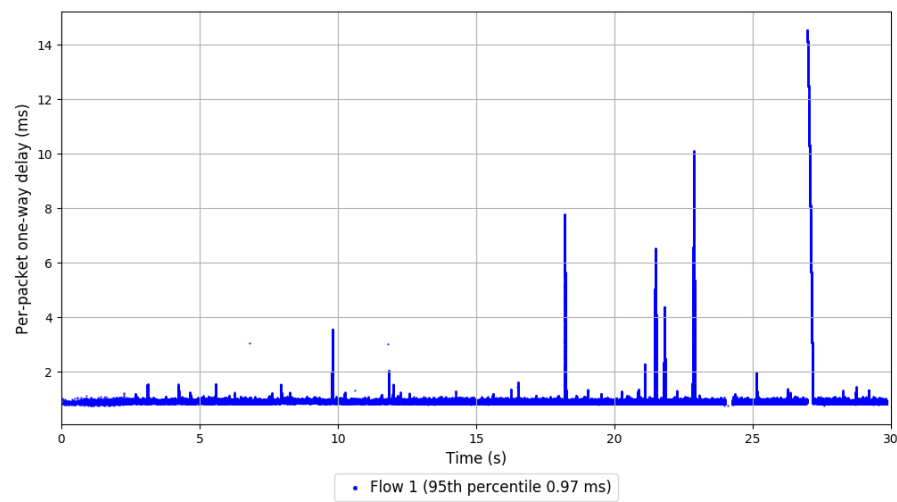
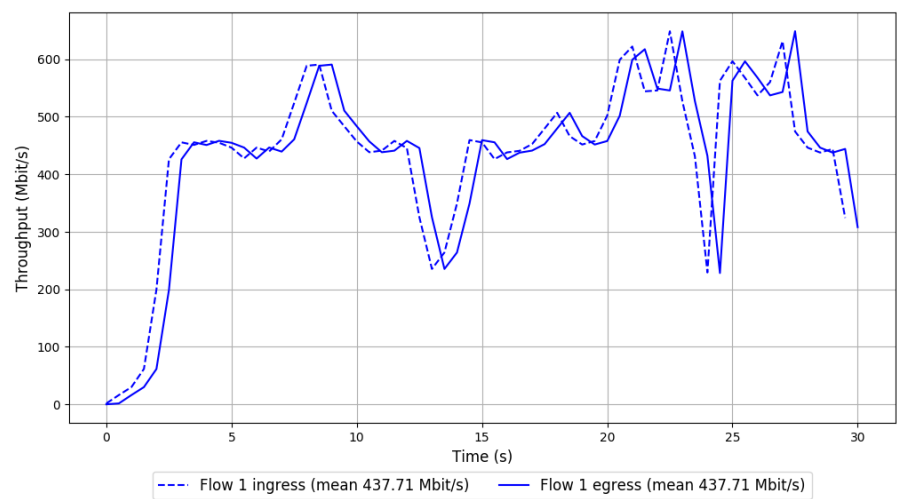
-- Flow 1:

Average throughput: 437.71 Mbit/s

95th percentile per-packet one-way delay: 0.969 ms

Loss rate: 0.07%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 23:30:33

End at: 2018-06-05 23:31:03

Local clock offset: 0.099 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-06 01:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.29 Mbit/s

95th percentile per-packet one-way delay: 0.976 ms

Loss rate: 0.07%

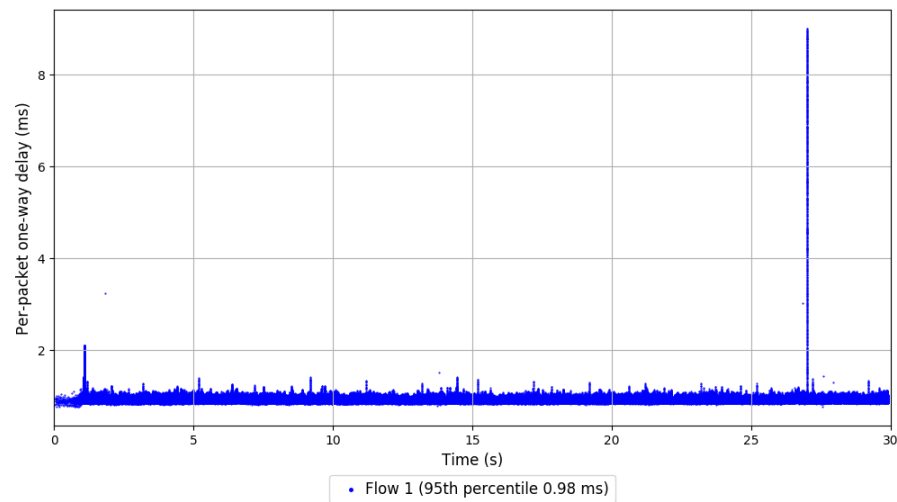
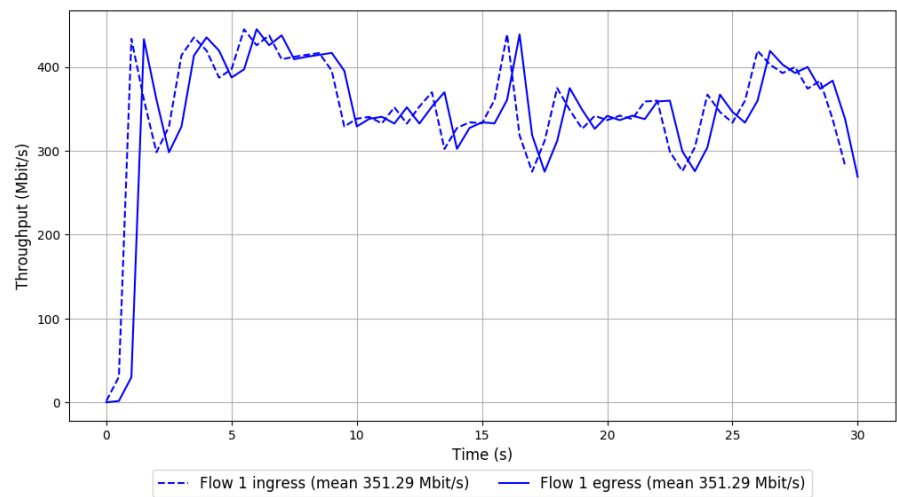
-- Flow 1:

Average throughput: 351.29 Mbit/s

95th percentile per-packet one-way delay: 0.976 ms

Loss rate: 0.07%

Run 10: Report of PCC-Vivace — Data Link

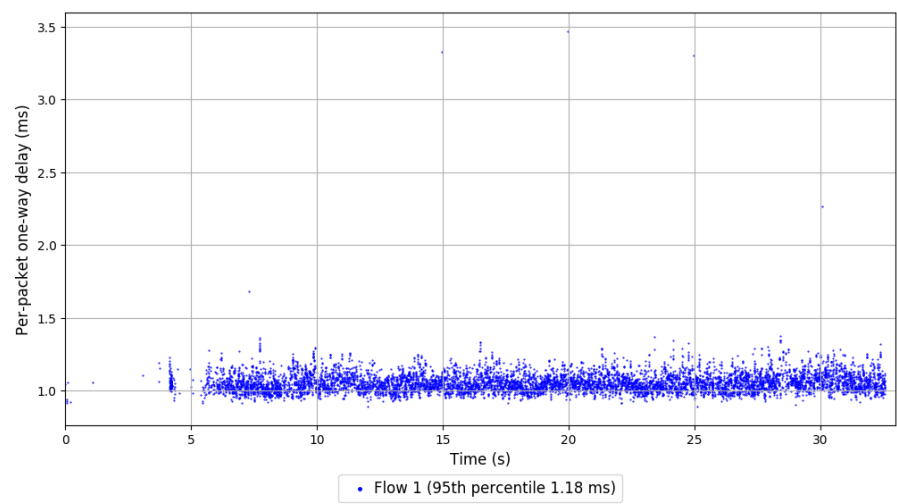
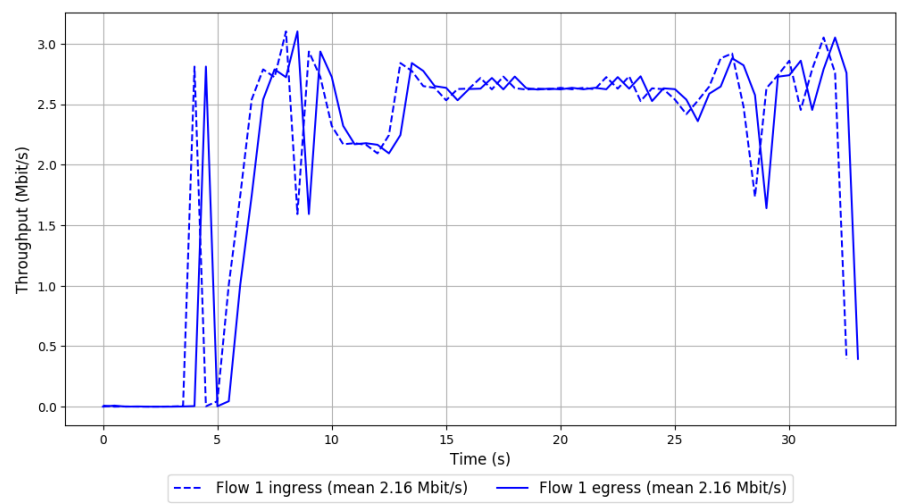


Run 1: Statistics of WebRTC media

Start at: 2018-06-05 19:40:53
End at: 2018-06-05 19:41:23
Local clock offset: 0.235 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-06-06 01:23:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-05 20:05:07

End at: 2018-06-05 20:05:37

Local clock offset: -0.103 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-06-06 01:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 0.999 ms

Loss rate: 0.07%

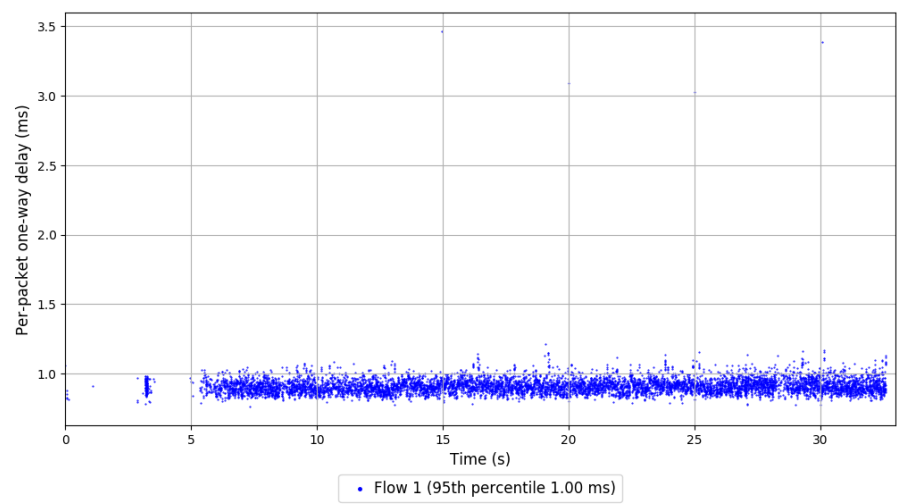
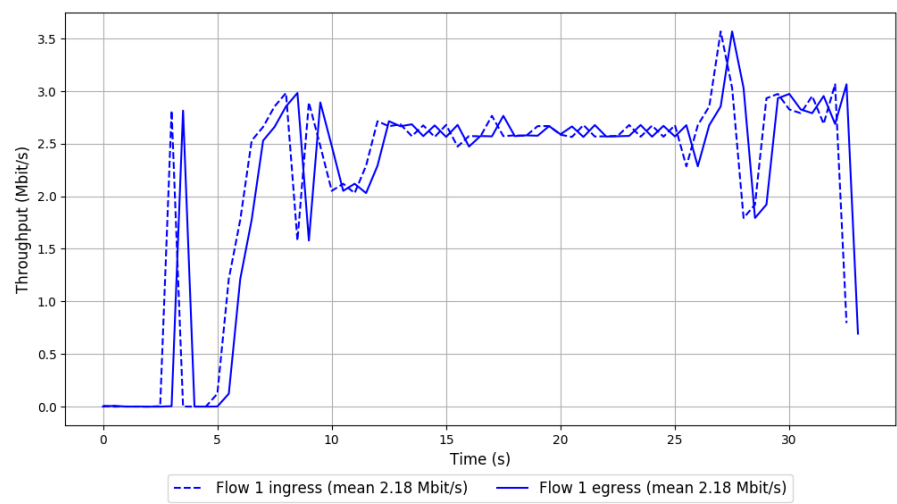
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 0.999 ms

Loss rate: 0.07%

Run 2: Report of WebRTC media — Data Link

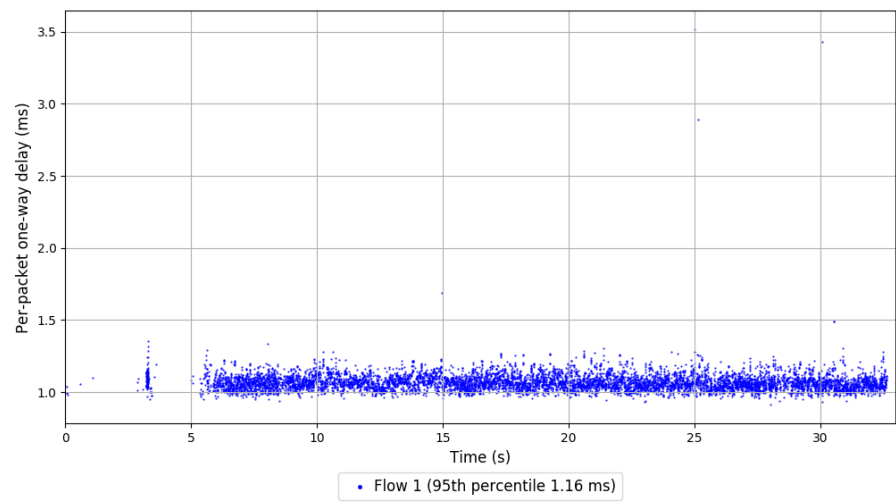
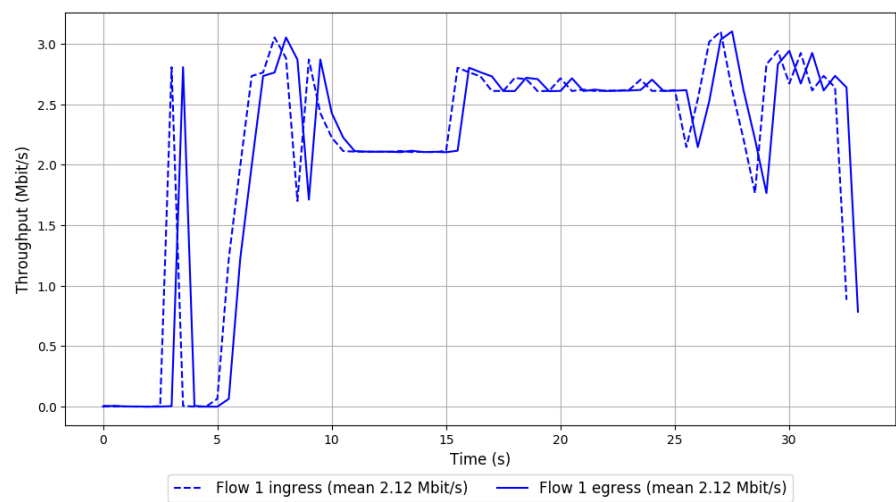


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 20:29:20
End at: 2018-06-05 20:29:50
Local clock offset: 0.27 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-06 01:23:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.07%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-05 20:53:31

End at: 2018-06-05 20:54:01

Local clock offset: 0.583 ms

Remote clock offset: -0.49 ms

Below is generated by plot.py at 2018-06-06 01:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.07%

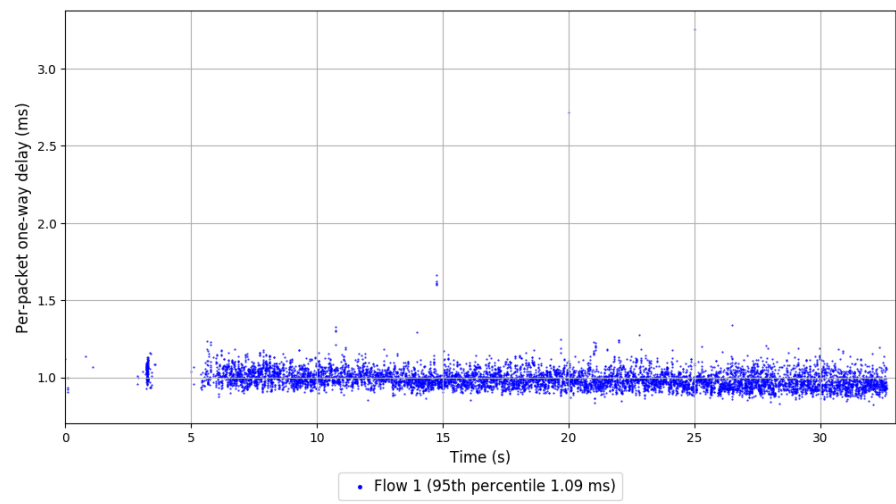
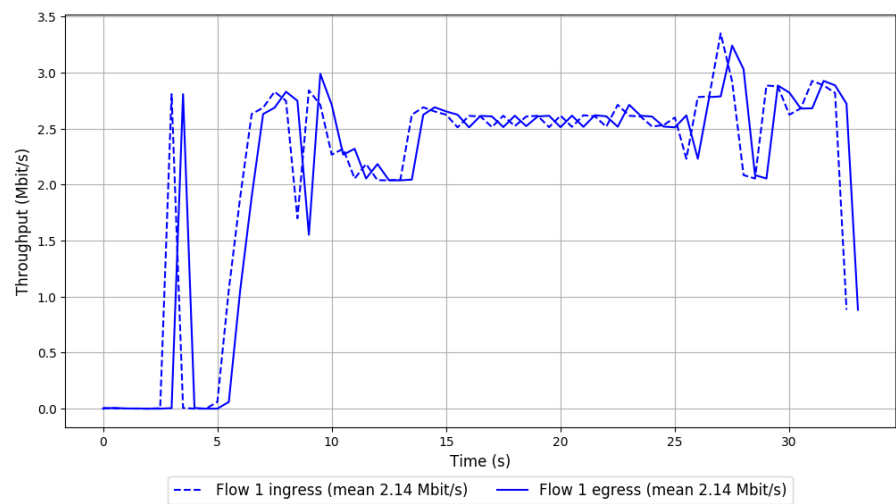
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.07%

Run 4: Report of WebRTC media — Data Link

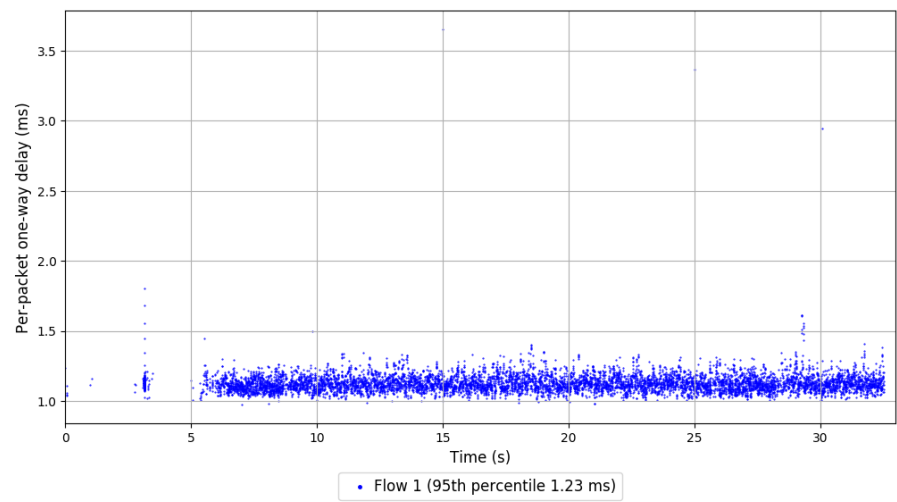
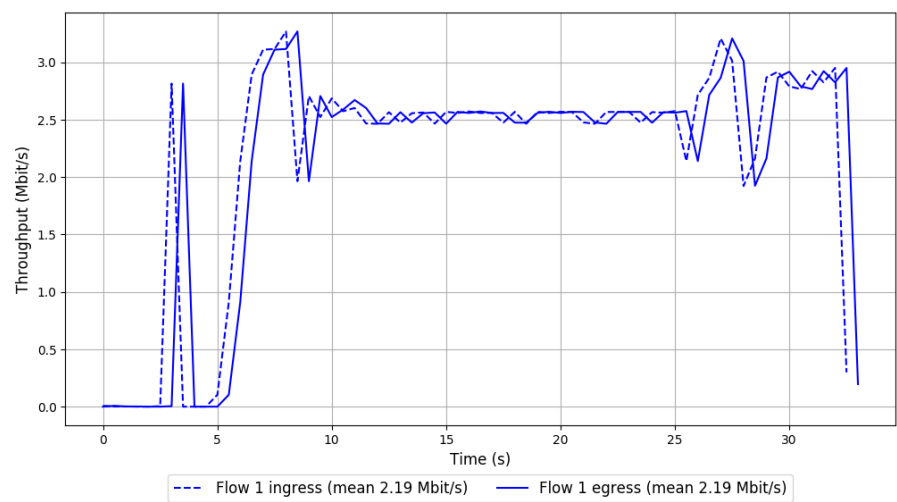


Run 5: Statistics of WebRTC media

Start at: 2018-06-05 21:17:28
End at: 2018-06-05 21:17:58
Local clock offset: 0.806 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-06-06 01:23:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.07%

Run 5: Report of WebRTC media — Data Link

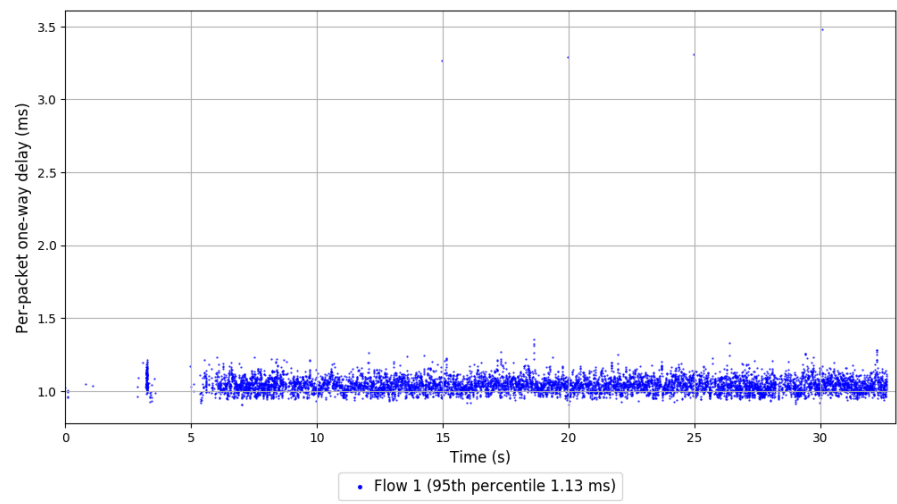
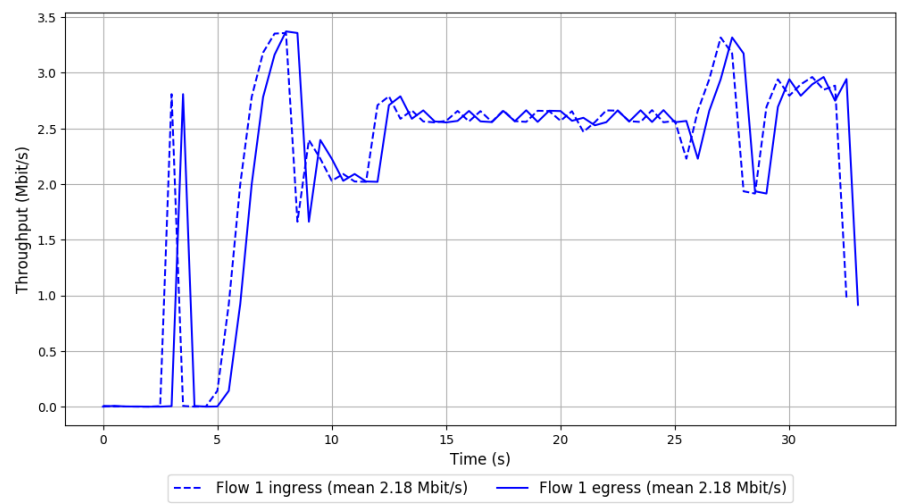


Run 6: Statistics of WebRTC media

Start at: 2018-06-05 21:41:38
End at: 2018-06-05 21:42:08
Local clock offset: 0.06 ms
Remote clock offset: -2.253 ms

Below is generated by plot.py at 2018-06-06 01:23:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.07%

Run 6: Report of WebRTC media — Data Link

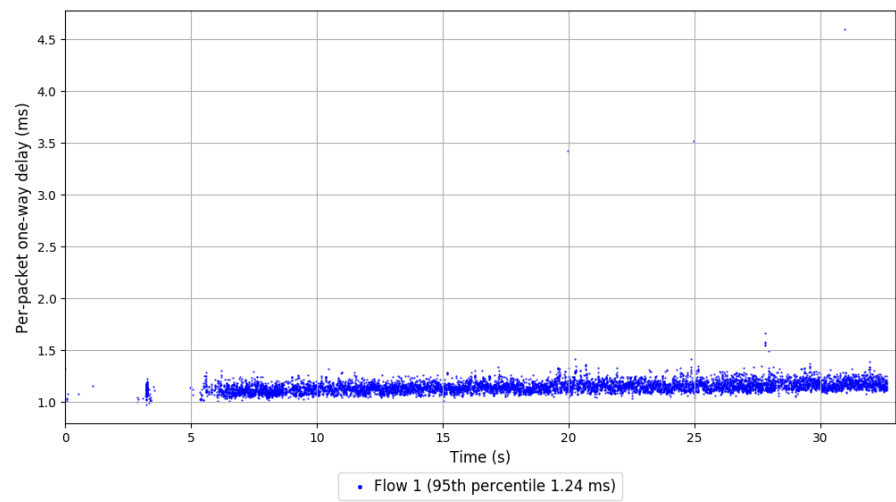
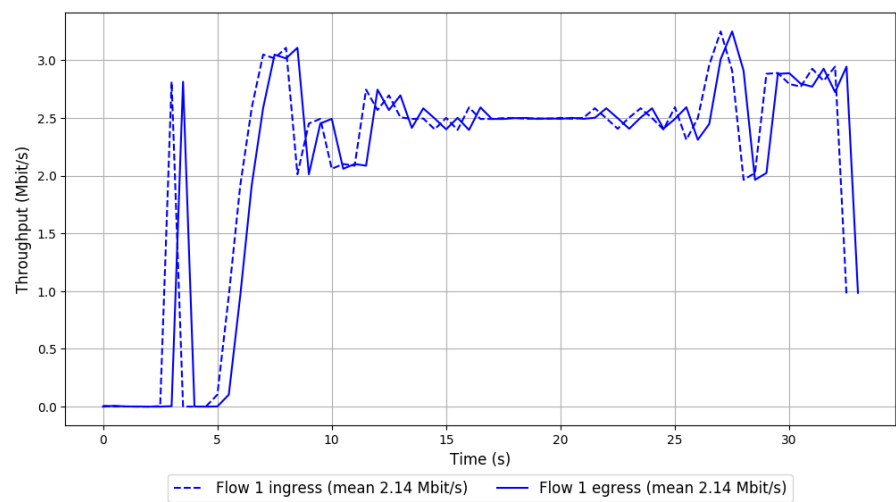


Run 7: Statistics of WebRTC media

Start at: 2018-06-05 22:05:53
End at: 2018-06-05 22:06:23
Local clock offset: 0.179 ms
Remote clock offset: -1.004 ms

Below is generated by plot.py at 2018-06-06 01:23:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.05%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-05 22:30:05

End at: 2018-06-05 22:30:35

Local clock offset: 0.235 ms

Remote clock offset: 0.506 ms

Below is generated by plot.py at 2018-06-06 01:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.08%

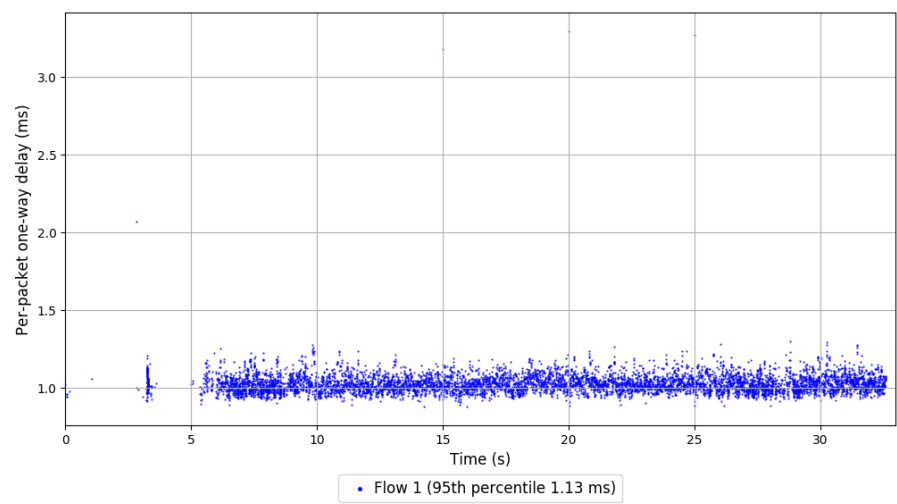
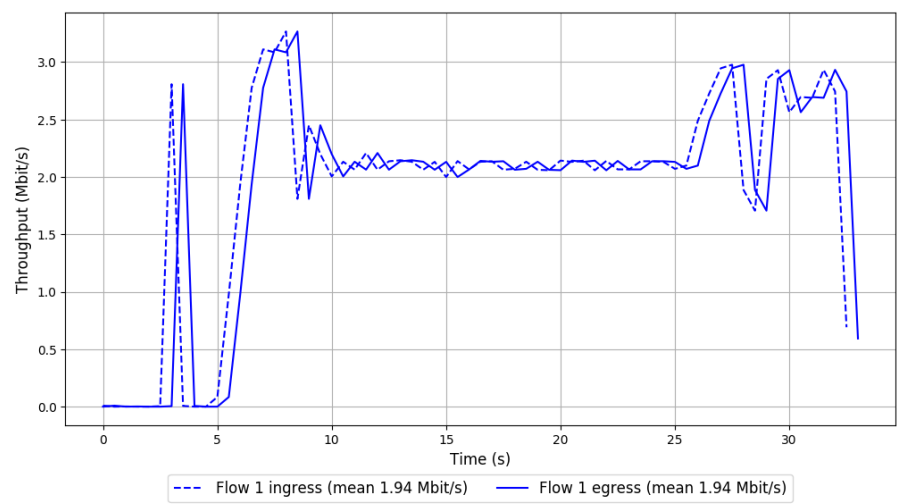
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.08%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-05 22:54:12

End at: 2018-06-05 22:54:42

Local clock offset: 0.416 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-06-06 01:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 1.070 ms

Loss rate: 0.14%

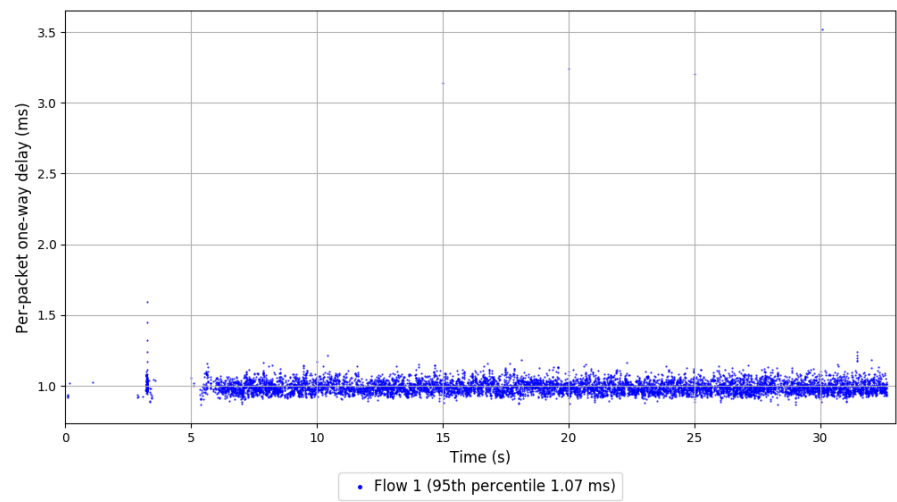
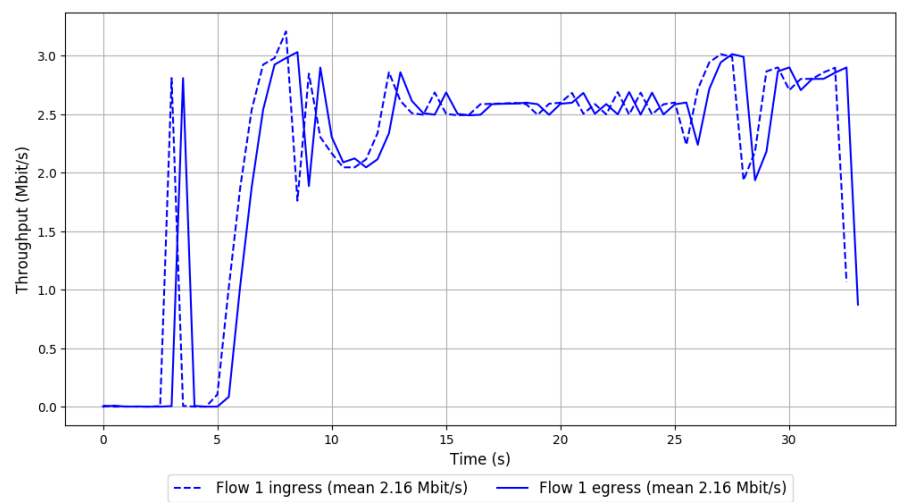
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 1.070 ms

Loss rate: 0.14%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 23:18:19

End at: 2018-06-05 23:18:49

Local clock offset: 0.494 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-06 01:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 1.191 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 1.191 ms

Loss rate: 0.08%

Run 10: Report of WebRTC media — Data Link

