

Pantheon Report

Generated at 2018-08-09 23:49:33 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

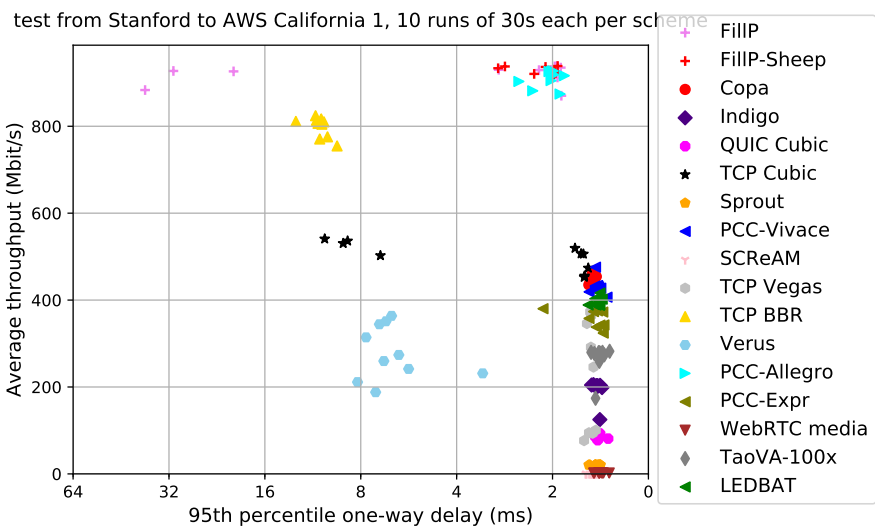
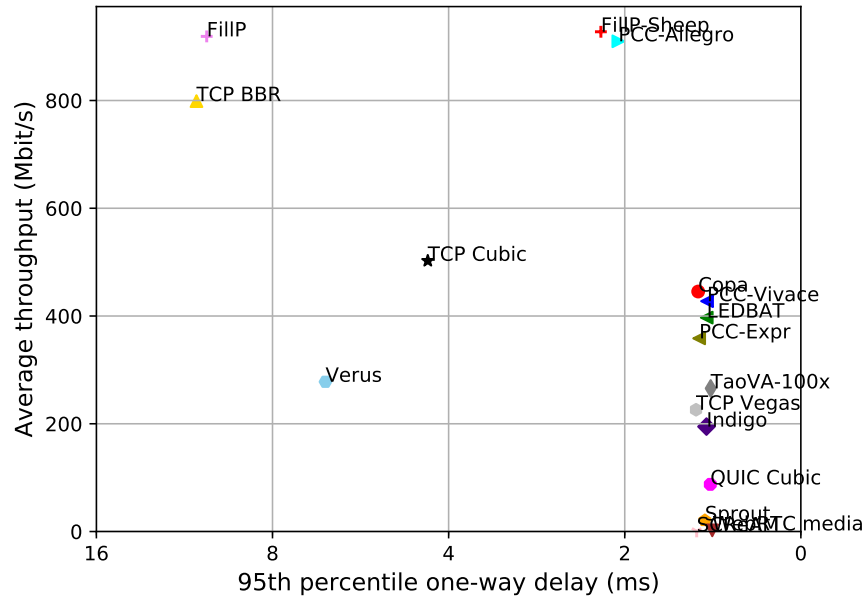
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Stanford to AWS California 1, 10 runs of 30s each per scheme
(mean of all runs by 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	798.90	10.79	0.09
Copa	10	445.45	1.17	0.06
TCP Cubic	10	502.43	4.34	0.06
FillP	10	918.99	10.36	0.34
FillP-Sheep	10	927.56	2.20	0.08
Indigo	10	194.77	1.07	0.06
LEDBAT	10	397.06	1.07	0.07
PCC-Allegro	10	909.88	2.05	0.11
PCC-Expr	10	358.49	1.16	0.09
QUIC Cubic	10	87.54	1.03	0.07
SCReAM	10	0.22	1.18	0.08
Sprout	10	20.75	1.09	0.10
TaoVA-100x	10	265.67	1.02	0.07
TCP Vegas	10	226.01	1.19	0.05
Verus	10	277.92	6.49	0.05
PCC-Vivace	10	427.56	1.07	0.07
WebRTC media	10	2.11	1.01	0.07

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 17:42:21

End at: 2018-08-09 17:42:51

Local clock offset: -0.355 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-08-09 22:02:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.75 Mbit/s

95th percentile per-packet one-way delay: 9.492 ms

Loss rate: 0.08%

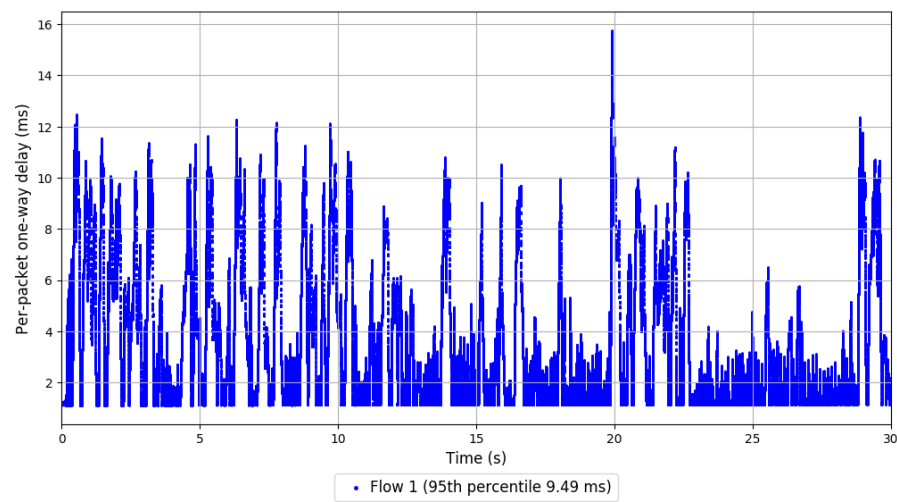
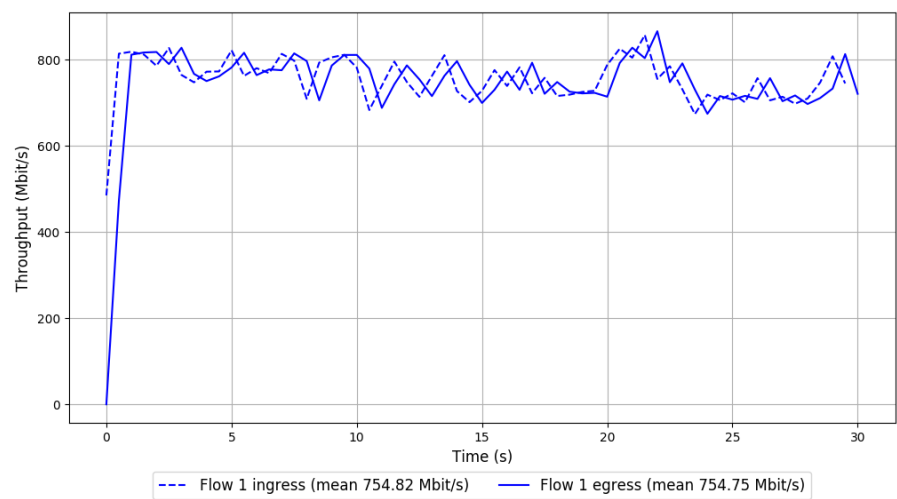
-- Flow 1:

Average throughput: 754.75 Mbit/s

95th percentile per-packet one-way delay: 9.492 ms

Loss rate: 0.08%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-09 18:08:16

End at: 2018-08-09 18:08:46

Local clock offset: -0.178 ms

Remote clock offset: 2.67 ms

Below is generated by plot.py at 2018-08-09 22:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 811.22 Mbit/s

95th percentile per-packet one-way delay: 12.789 ms

Loss rate: 0.09%

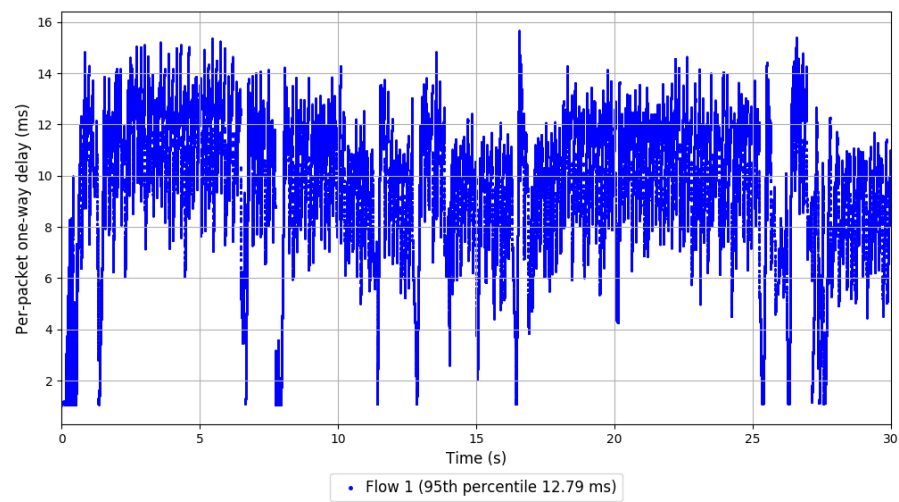
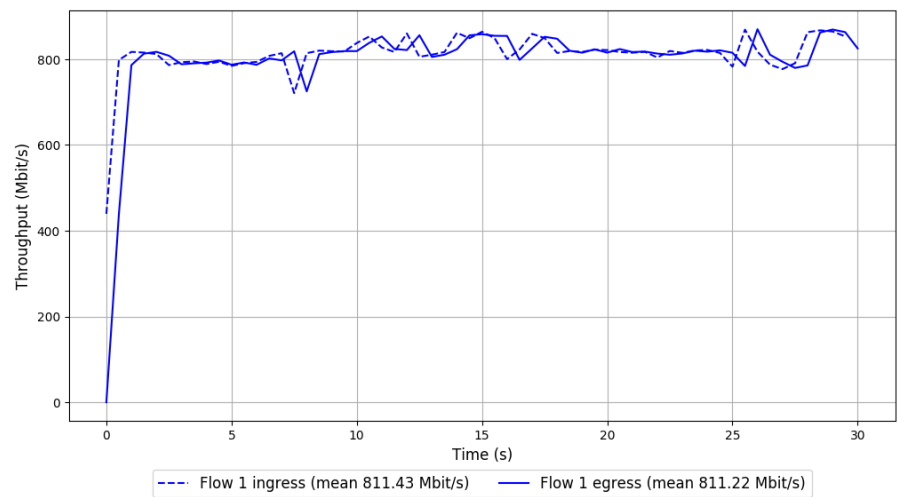
-- Flow 1:

Average throughput: 811.22 Mbit/s

95th percentile per-packet one-way delay: 12.789 ms

Loss rate: 0.09%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-09 18:34:08

End at: 2018-08-09 18:34:38

Local clock offset: 0.208 ms

Remote clock offset: 3.626 ms

Below is generated by plot.py at 2018-08-09 22:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.16 Mbit/s

95th percentile per-packet one-way delay: 10.437 ms

Loss rate: 0.10%

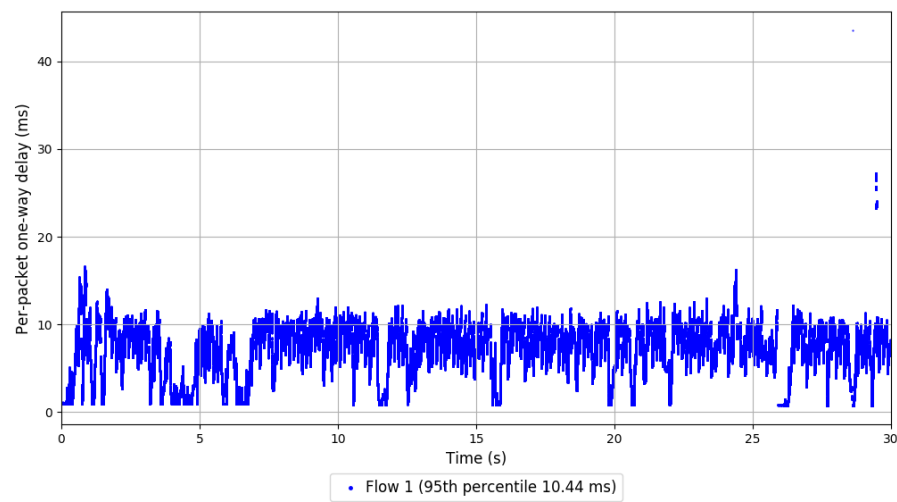
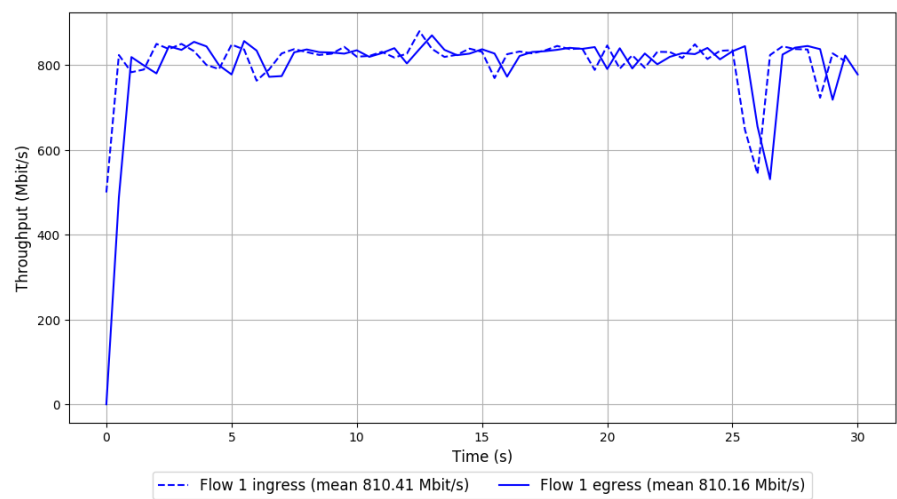
-- Flow 1:

Average throughput: 810.16 Mbit/s

95th percentile per-packet one-way delay: 10.437 ms

Loss rate: 0.10%

Run 3: Report of TCP BBR — Data Link

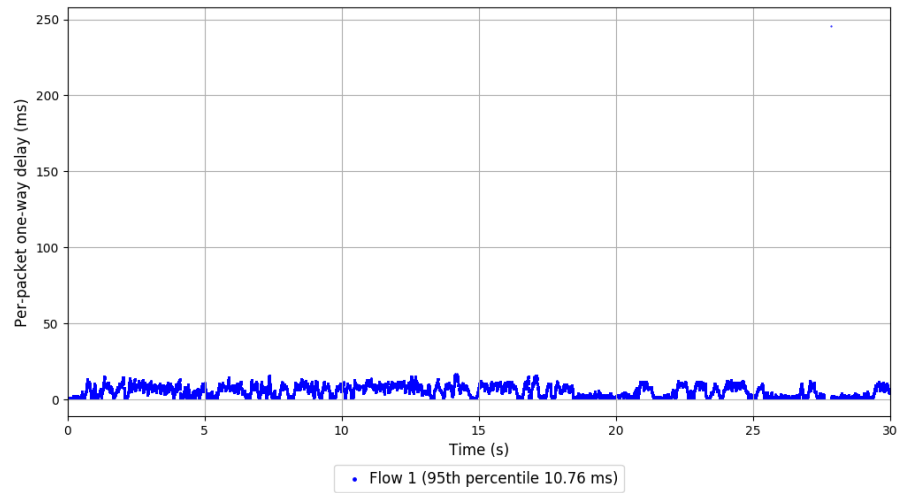
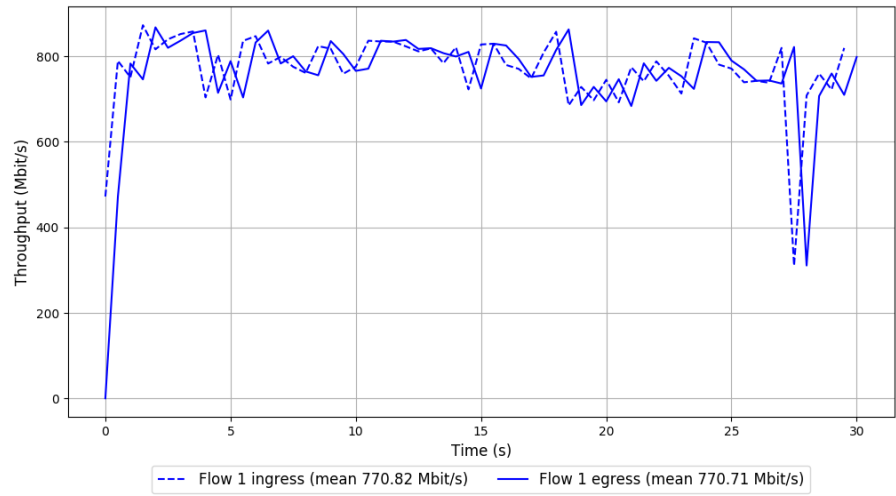


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 19:00:07
End at: 2018-08-09 19:00:37
Local clock offset: 0.058 ms
Remote clock offset: -0.956 ms

Below is generated by plot.py at 2018-08-09 22:03:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 770.71 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 770.71 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 0.08%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-09 19:26:08

End at: 2018-08-09 19:26:38

Local clock offset: 0.041 ms

Remote clock offset: -1.048 ms

Below is generated by plot.py at 2018-08-09 22:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 775.70 Mbit/s

95th percentile per-packet one-way delay: 10.174 ms

Loss rate: 0.10%

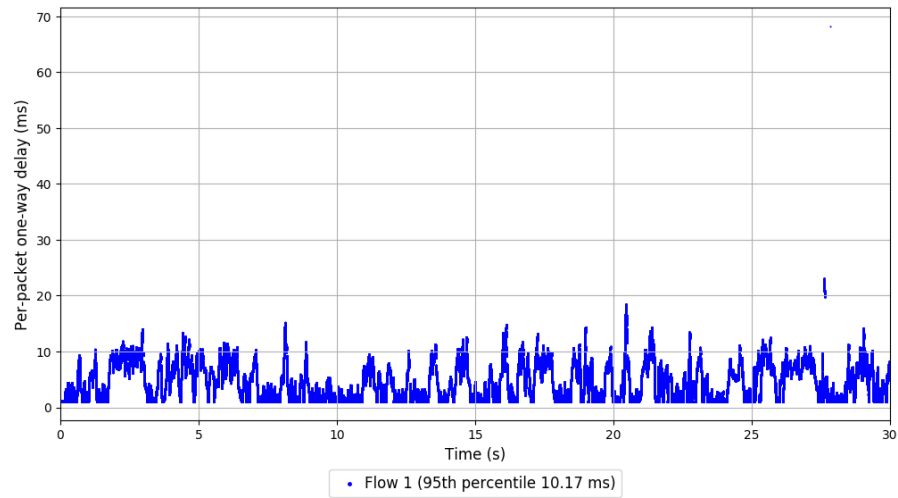
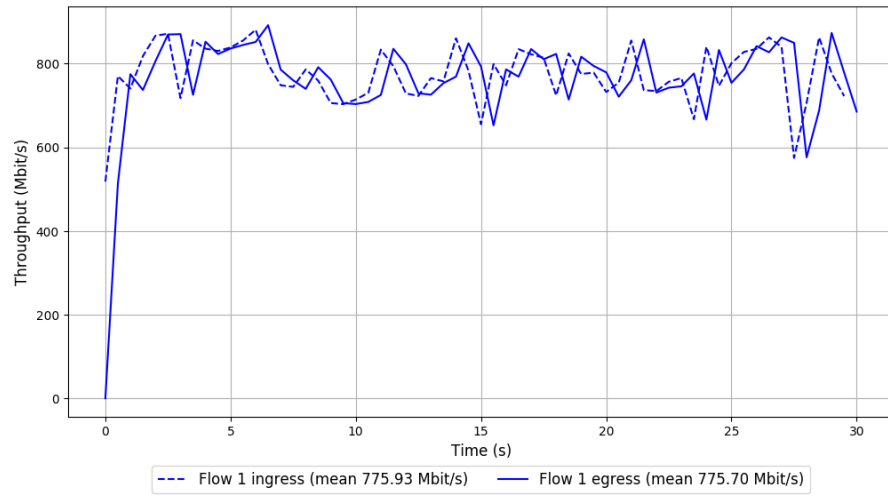
-- Flow 1:

Average throughput: 775.70 Mbit/s

95th percentile per-packet one-way delay: 10.174 ms

Loss rate: 0.10%

Run 5: Report of TCP BBR — Data Link

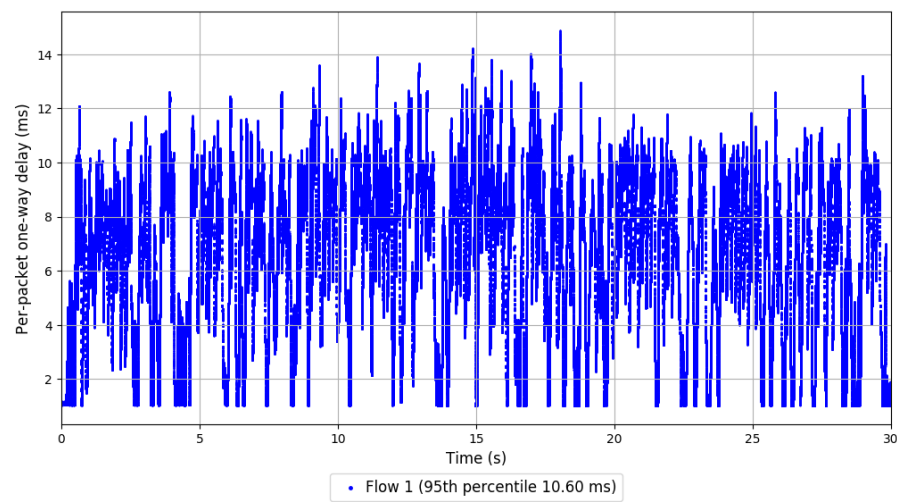
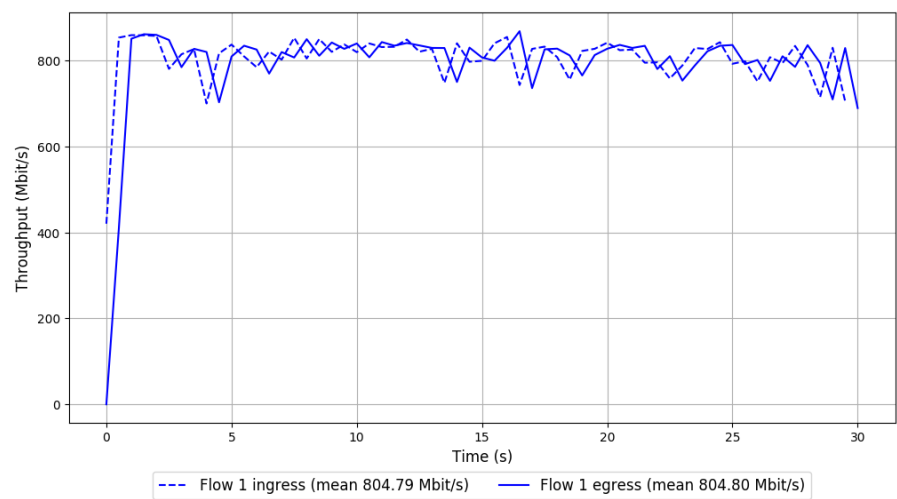


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 19:51:55
End at: 2018-08-09 19:52:25
Local clock offset: 0.07 ms
Remote clock offset: -1.811 ms

Below is generated by plot.py at 2018-08-09 22:03:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 804.80 Mbit/s
95th percentile per-packet one-way delay: 10.597 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 804.80 Mbit/s
95th percentile per-packet one-way delay: 10.597 ms
Loss rate: 0.06%

Run 6: Report of TCP BBR — Data Link

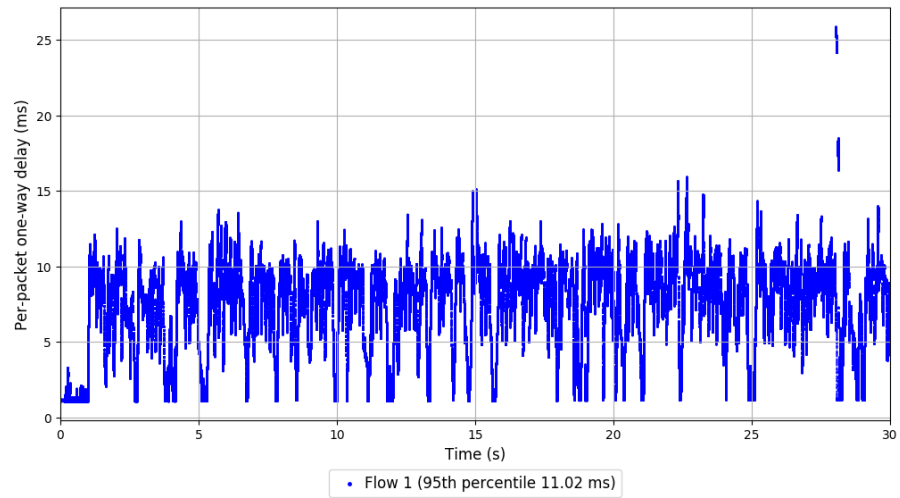
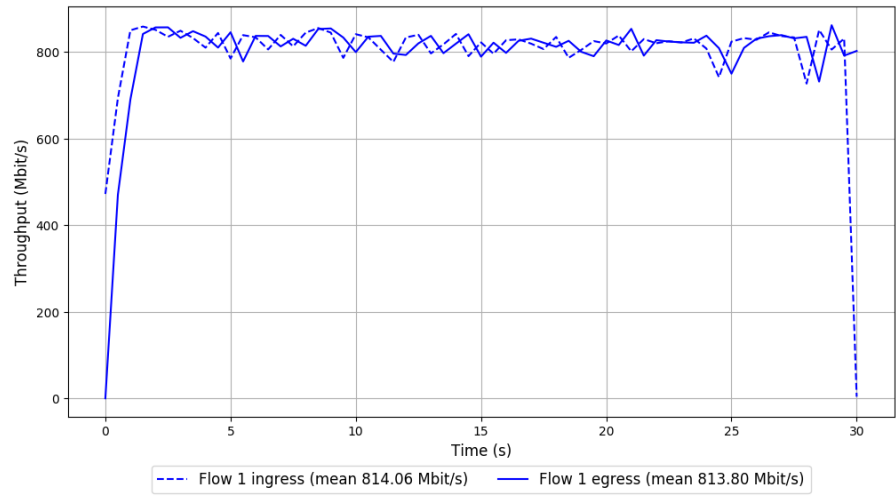


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 20:17:50
End at: 2018-08-09 20:18:20
Local clock offset: 0.079 ms
Remote clock offset: -1.899 ms

Below is generated by plot.py at 2018-08-09 22:03:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 813.80 Mbit/s
95th percentile per-packet one-way delay: 11.019 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 813.80 Mbit/s
95th percentile per-packet one-way delay: 11.019 ms
Loss rate: 0.10%

Run 7: Report of TCP BBR — Data Link

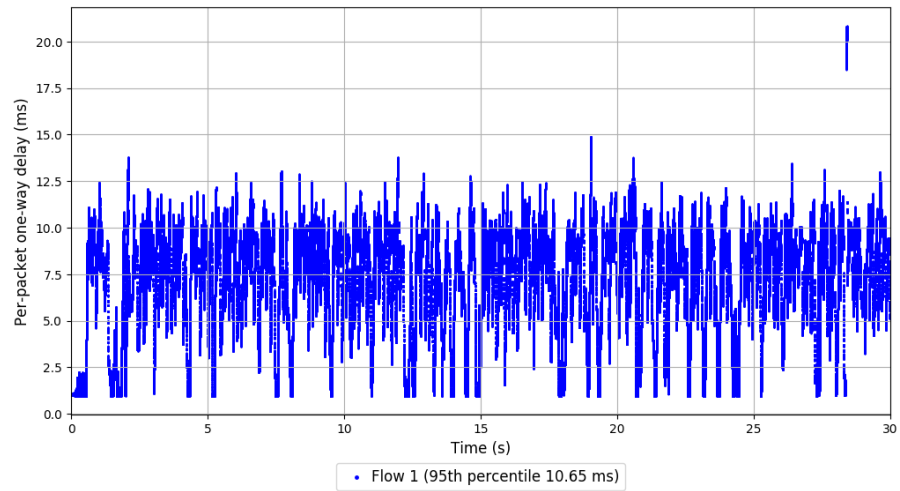
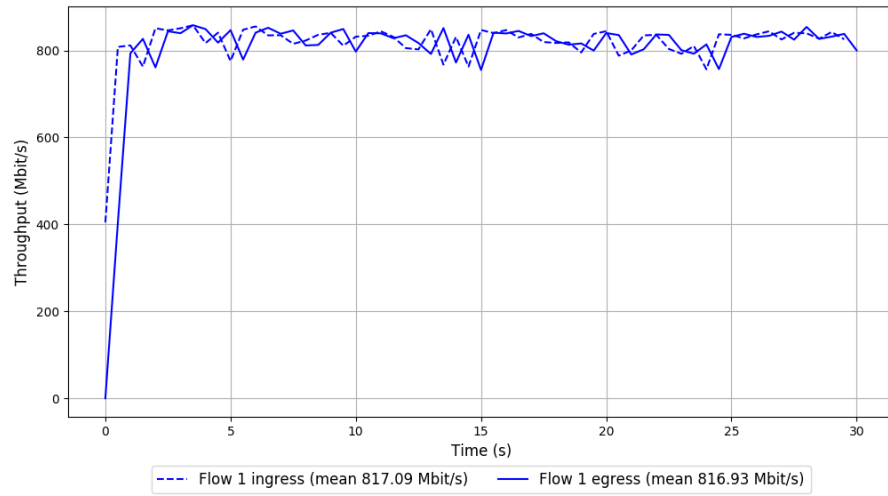


Run 8: Statistics of TCP BBR

Start at: 2018-08-09 20:43:33
End at: 2018-08-09 20:44:03
Local clock offset: -0.299 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-08-09 22:03:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 816.93 Mbit/s
95th percentile per-packet one-way delay: 10.647 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 816.93 Mbit/s
95th percentile per-packet one-way delay: 10.647 ms
Loss rate: 0.08%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-09 21:09:41

End at: 2018-08-09 21:10:11

Local clock offset: -0.395 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-09 22:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.32 Mbit/s

95th percentile per-packet one-way delay: 11.092 ms

Loss rate: 0.10%

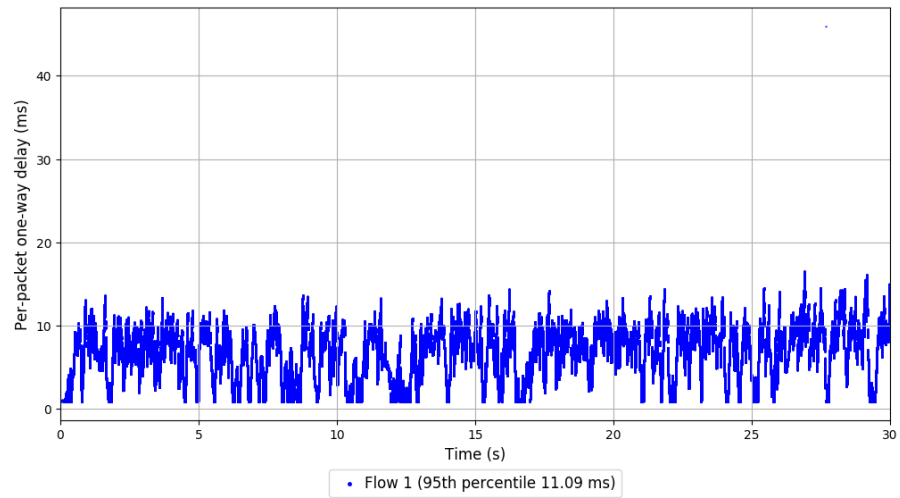
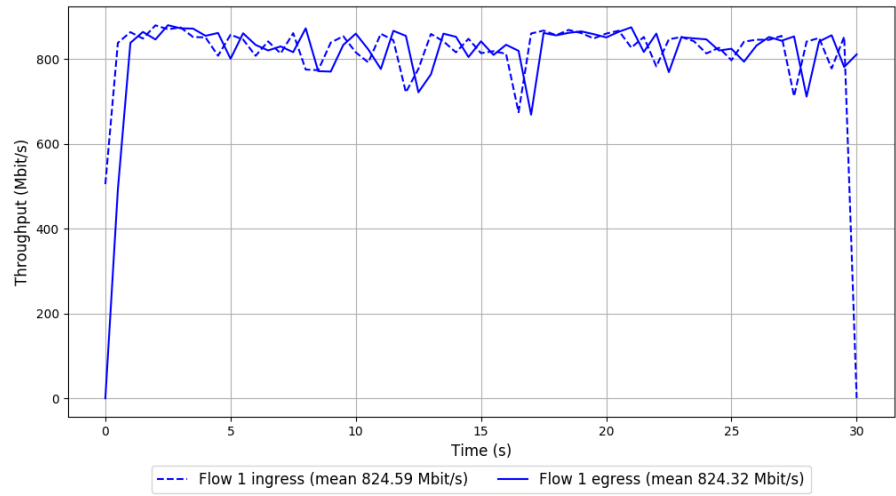
-- Flow 1:

Average throughput: 824.32 Mbit/s

95th percentile per-packet one-way delay: 11.092 ms

Loss rate: 0.10%

Run 9: Report of TCP BBR — Data Link

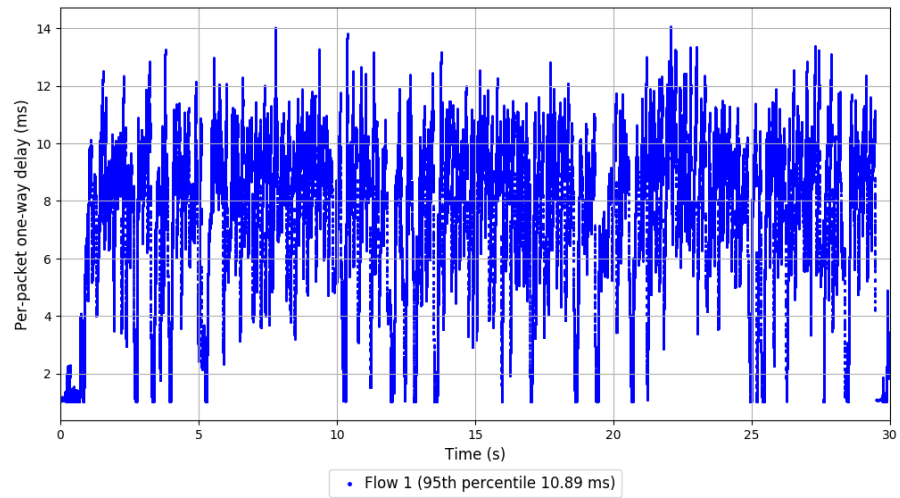
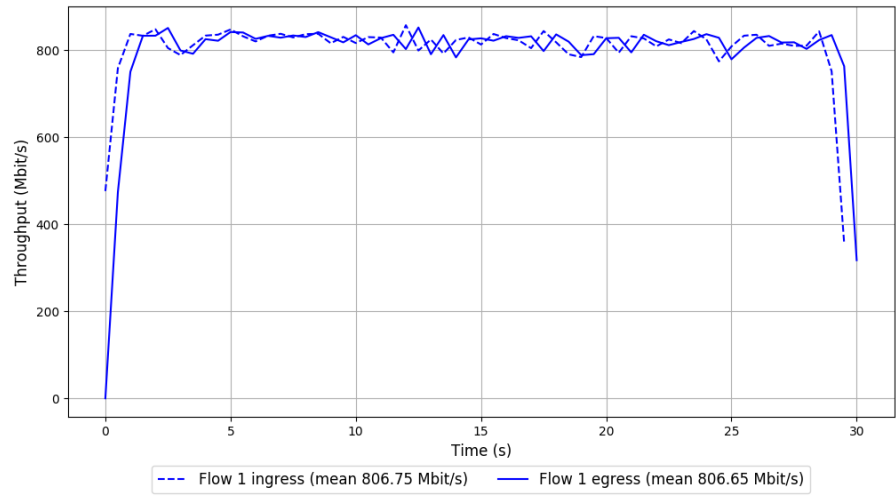


Run 10: Statistics of TCP BBR

Start at: 2018-08-09 21:36:18
End at: 2018-08-09 21:36:48
Local clock offset: -0.014 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-09 22:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 806.65 Mbit/s
95th percentile per-packet one-way delay: 10.895 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 806.65 Mbit/s
95th percentile per-packet one-way delay: 10.895 ms
Loss rate: 0.08%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-09 17:36:04

End at: 2018-08-09 17:36:34

Local clock offset: 0.006 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-08-09 22:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 445.32 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.07%

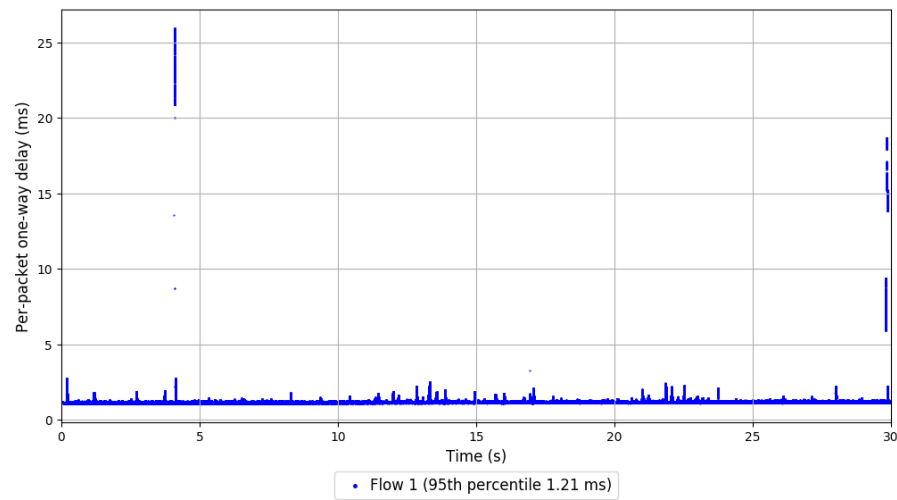
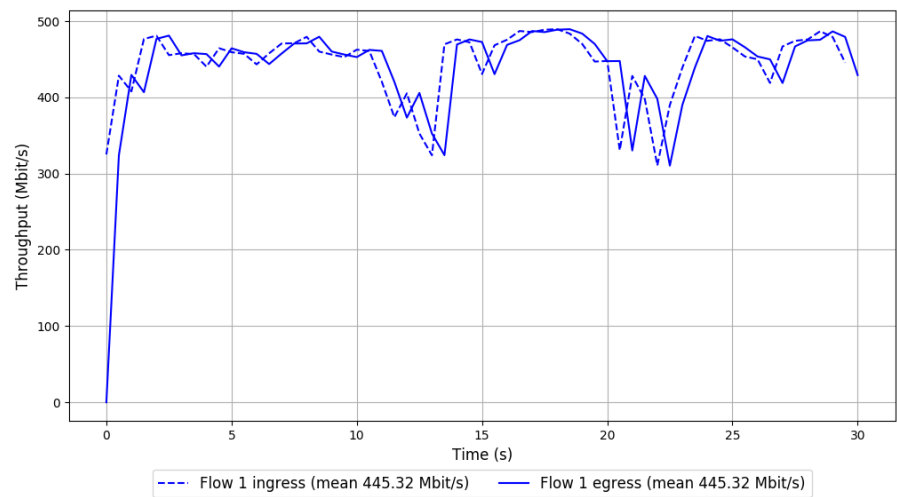
-- Flow 1:

Average throughput: 445.32 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.07%

Run 1: Report of Copa — Data Link

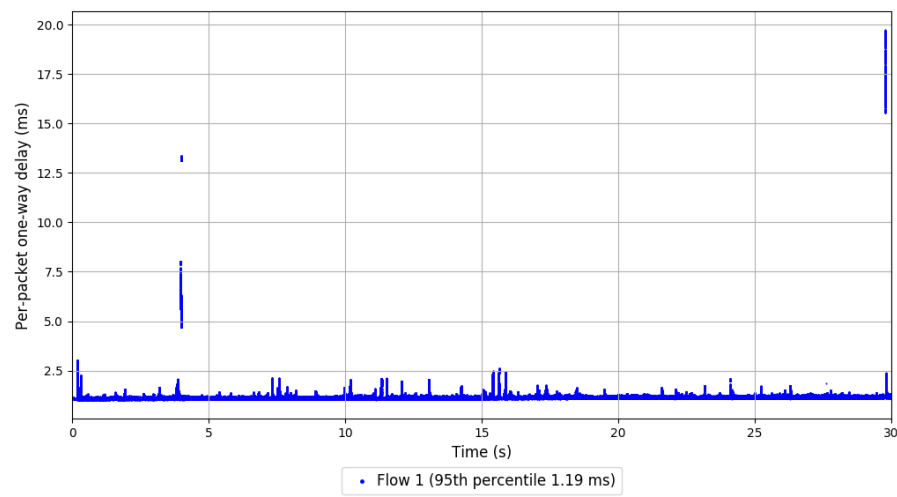
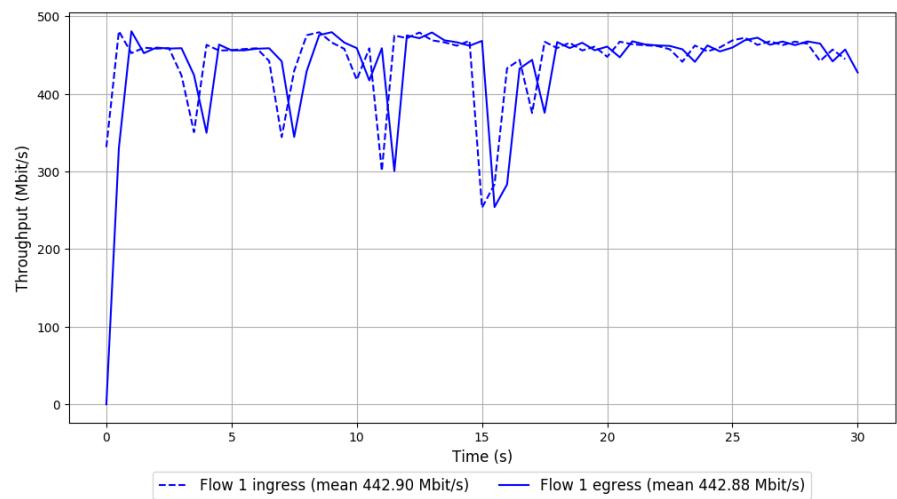


Run 2: Statistics of Copa

Start at: 2018-08-09 18:02:03
End at: 2018-08-09 18:02:33
Local clock offset: -0.156 ms
Remote clock offset: 1.773 ms

Below is generated by plot.py at 2018-08-09 22:12:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 442.88 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 442.88 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.07%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-09 18:27:59

End at: 2018-08-09 18:28:29

Local clock offset: 0.135 ms

Remote clock offset: 4.259 ms

Below is generated by plot.py at 2018-08-09 22:12:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.83 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.07%

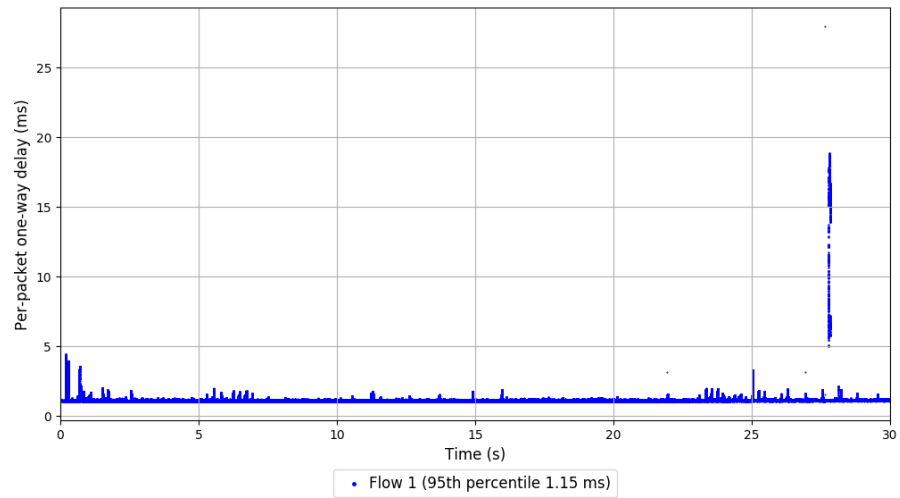
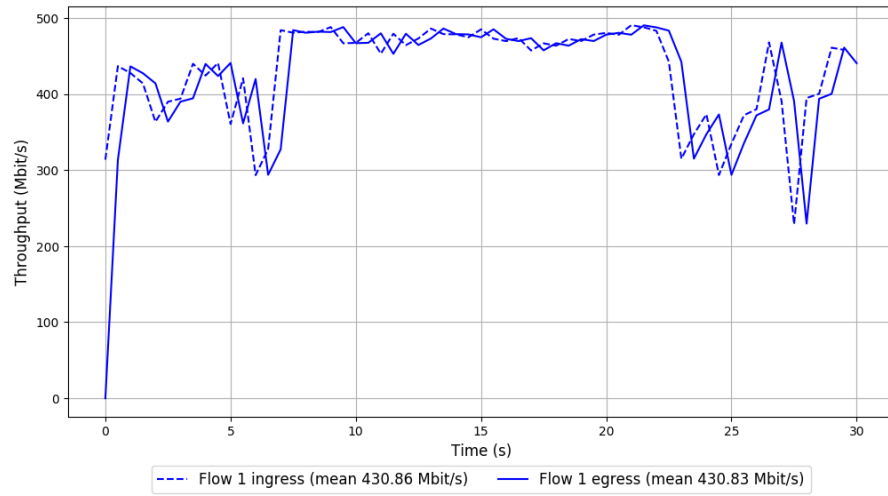
-- Flow 1:

Average throughput: 430.83 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.07%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-09 18:53:49

End at: 2018-08-09 18:54:19

Local clock offset: 0.099 ms

Remote clock offset: -0.49 ms

Below is generated by plot.py at 2018-08-09 22:13:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.04 Mbit/s

95th percentile per-packet one-way delay: 1.138 ms

Loss rate: 0.06%

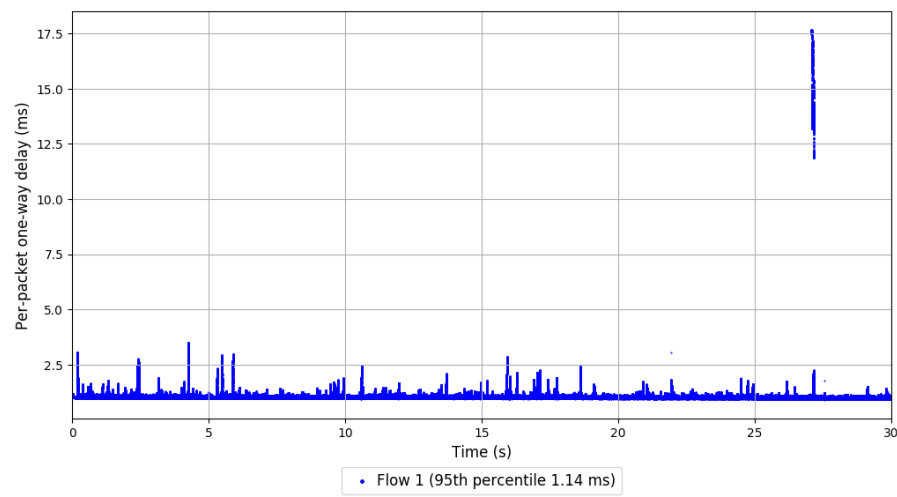
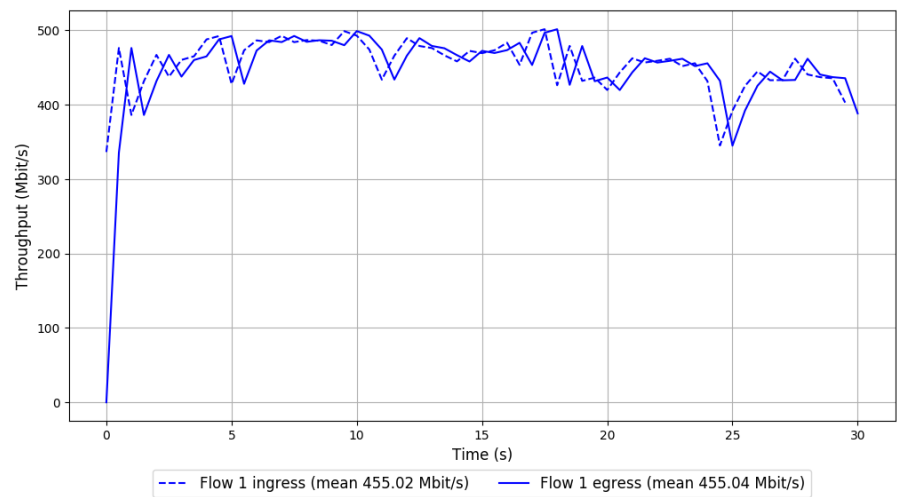
-- Flow 1:

Average throughput: 455.04 Mbit/s

95th percentile per-packet one-way delay: 1.138 ms

Loss rate: 0.06%

Run 4: Report of Copa — Data Link

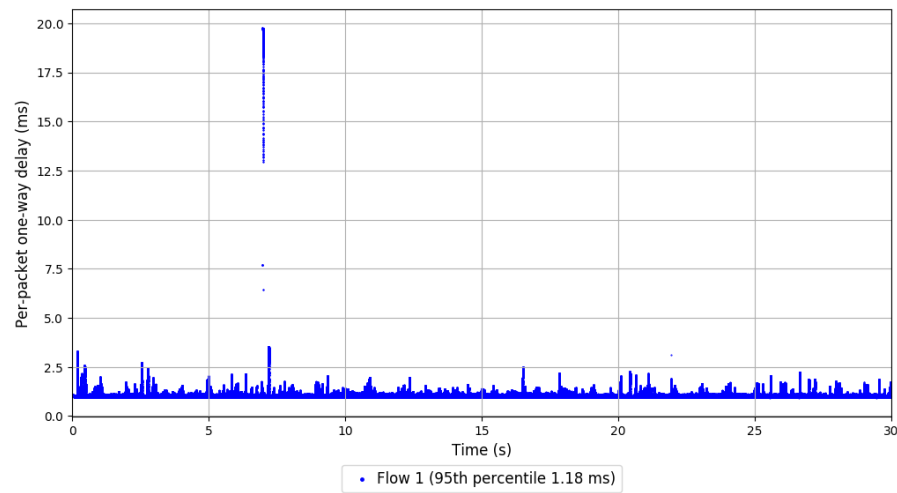
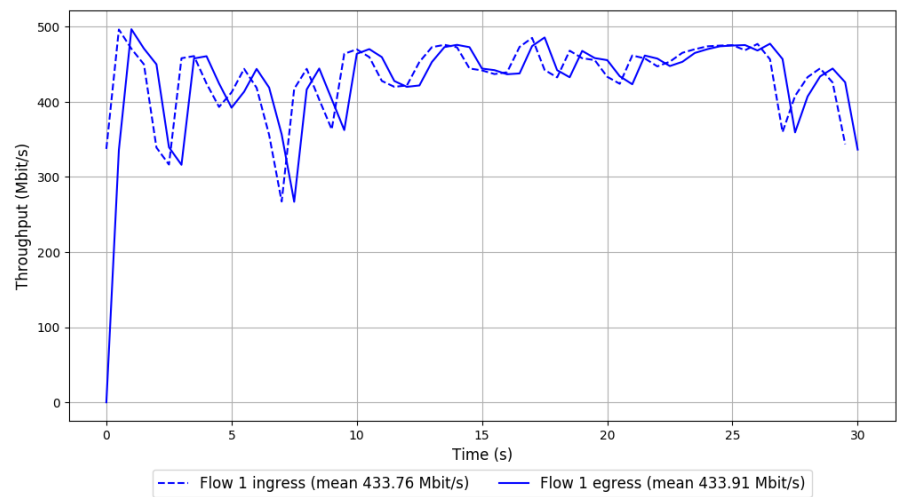


Run 5: Statistics of Copa

Start at: 2018-08-09 19:19:56
End at: 2018-08-09 19:20:26
Local clock offset: -0.044 ms
Remote clock offset: -0.902 ms

Below is generated by plot.py at 2018-08-09 22:13:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 433.91 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 433.91 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.03%

Run 5: Report of Copa — Data Link

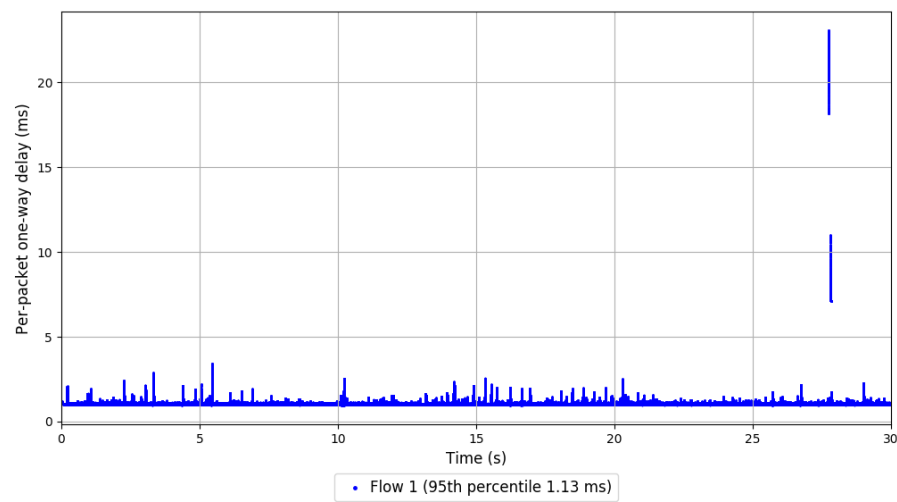
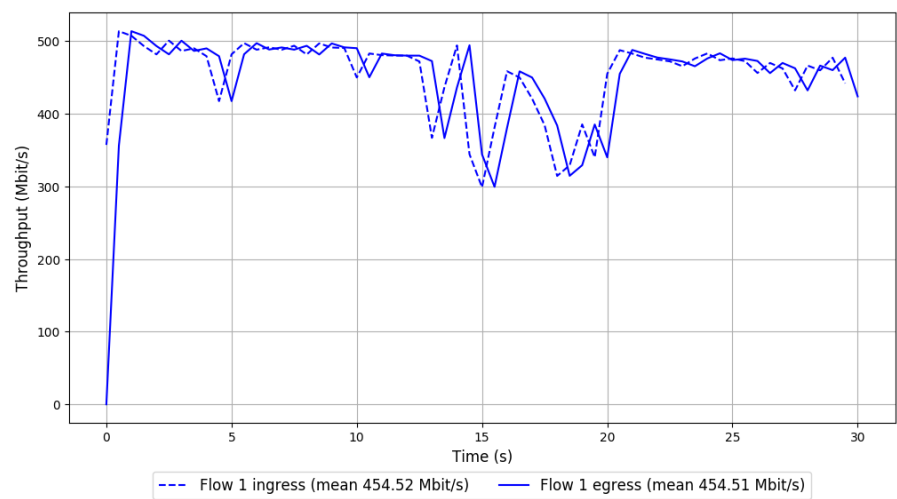


Run 6: Statistics of Copa

Start at: 2018-08-09 19:45:43
End at: 2018-08-09 19:46:13
Local clock offset: 0.15 ms
Remote clock offset: -1.522 ms

Below is generated by plot.py at 2018-08-09 22:13:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 454.51 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 454.51 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.07%

Run 6: Report of Copa — Data Link

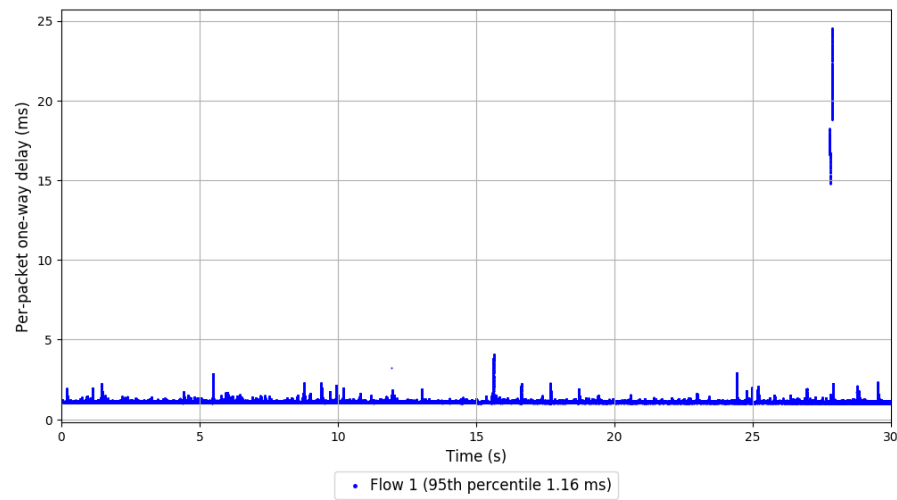
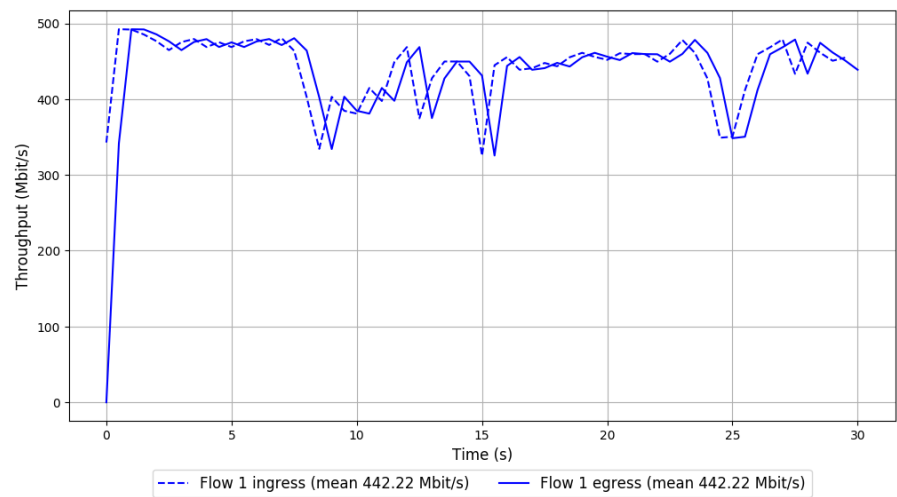


Run 7: Statistics of Copa

Start at: 2018-08-09 20:11:39
End at: 2018-08-09 20:12:09
Local clock offset: 0.172 ms
Remote clock offset: -2.526 ms

Below is generated by plot.py at 2018-08-09 22:21:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 442.22 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 442.22 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.06%

Run 7: Report of Copa — Data Link

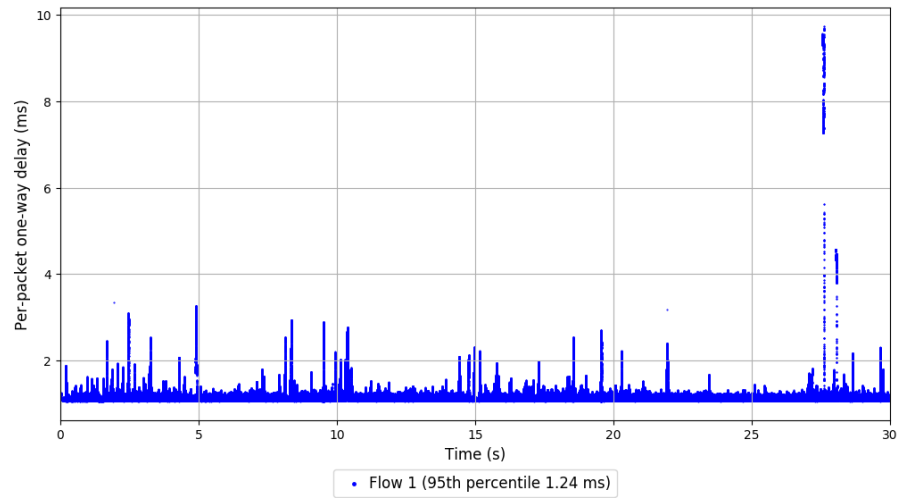
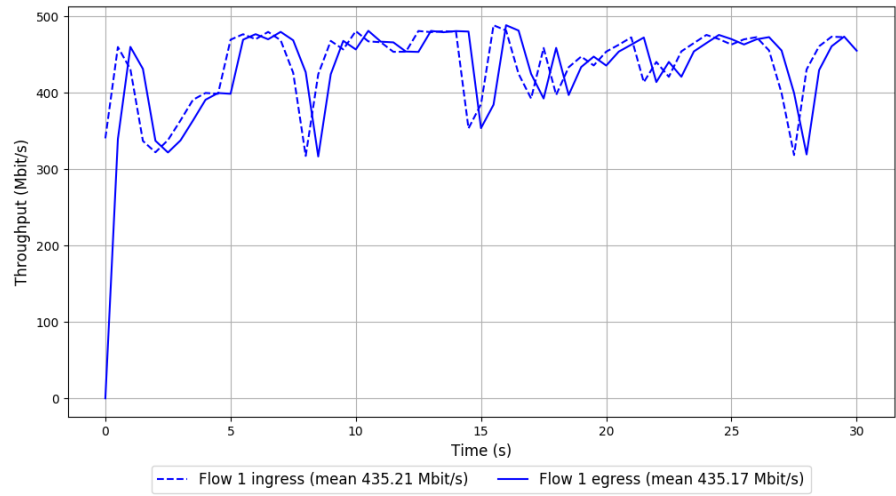


Run 8: Statistics of Copa

Start at: 2018-08-09 20:37:23
End at: 2018-08-09 20:37:53
Local clock offset: -0.302 ms
Remote clock offset: -0.444 ms

Below is generated by plot.py at 2018-08-09 22:21:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 435.17 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 435.17 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.07%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-09 21:03:26

End at: 2018-08-09 21:03:56

Local clock offset: -0.412 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-09 22:21:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 454.17 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.07%

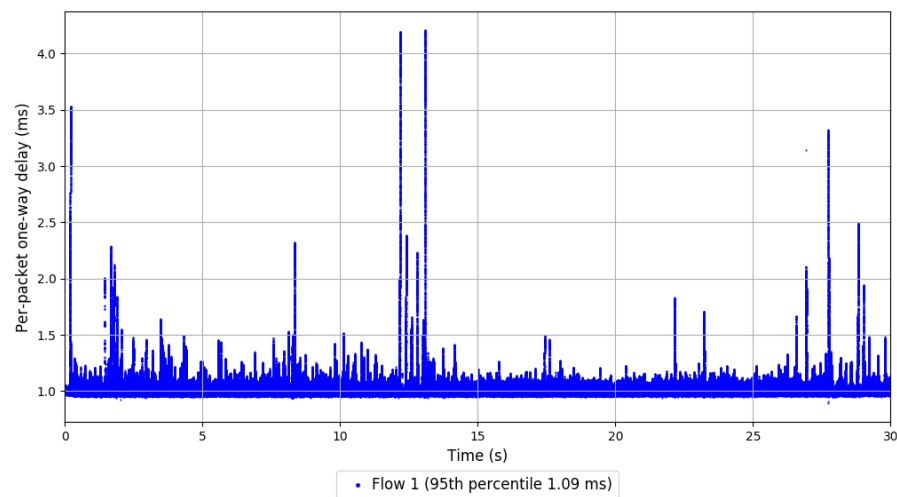
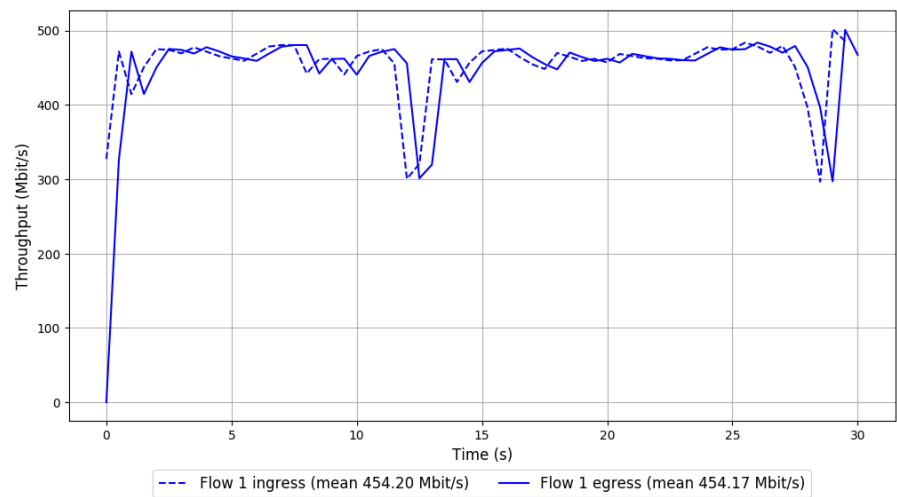
-- Flow 1:

Average throughput: 454.17 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.07%

Run 9: Report of Copa — Data Link

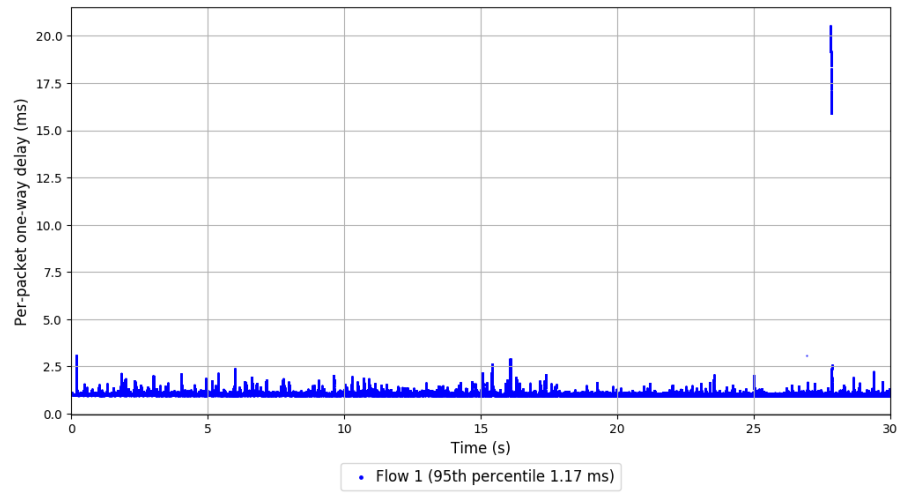
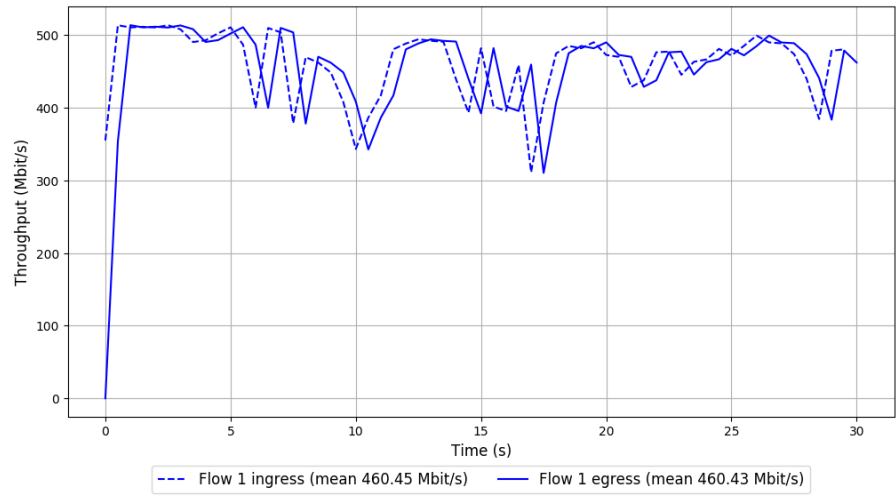


Run 10: Statistics of Copa

Start at: 2018-08-09 21:30:02
End at: 2018-08-09 21:30:32
Local clock offset: -0.111 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-09 22:21:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 460.43 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 460.43 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 17:39:04

End at: 2018-08-09 17:39:34

Local clock offset: -0.201 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-08-09 22:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.76 Mbit/s

95th percentile per-packet one-way delay: 1.404 ms

Loss rate: 0.06%

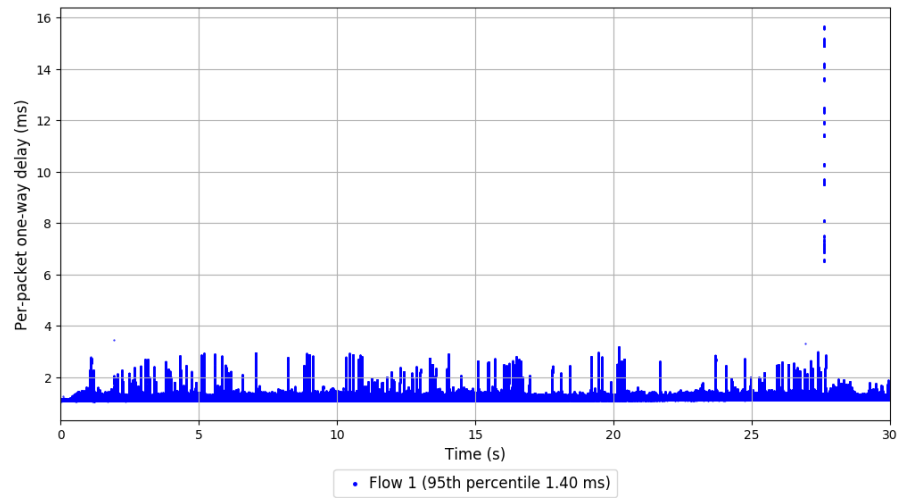
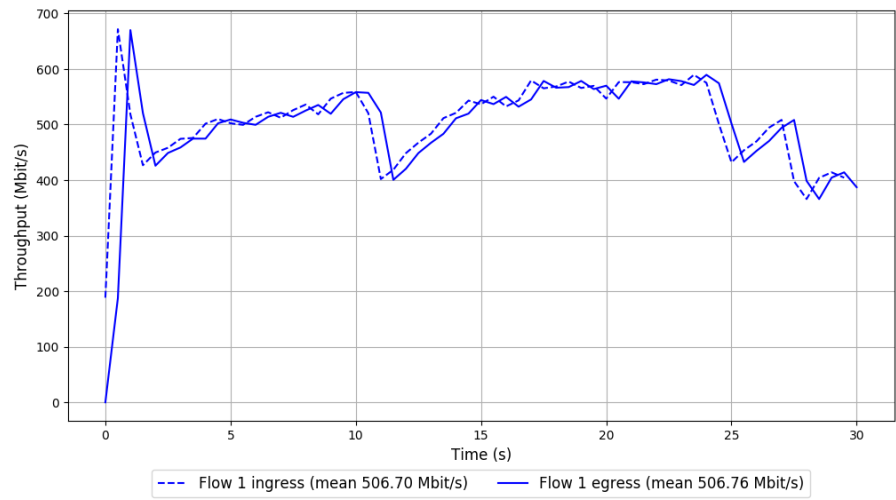
-- Flow 1:

Average throughput: 506.76 Mbit/s

95th percentile per-packet one-way delay: 1.404 ms

Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 18:05:04

End at: 2018-08-09 18:05:34

Local clock offset: -0.244 ms

Remote clock offset: 2.286 ms

Below is generated by plot.py at 2018-08-09 22:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 536.14 Mbit/s

95th percentile per-packet one-way delay: 8.799 ms

Loss rate: 0.07%

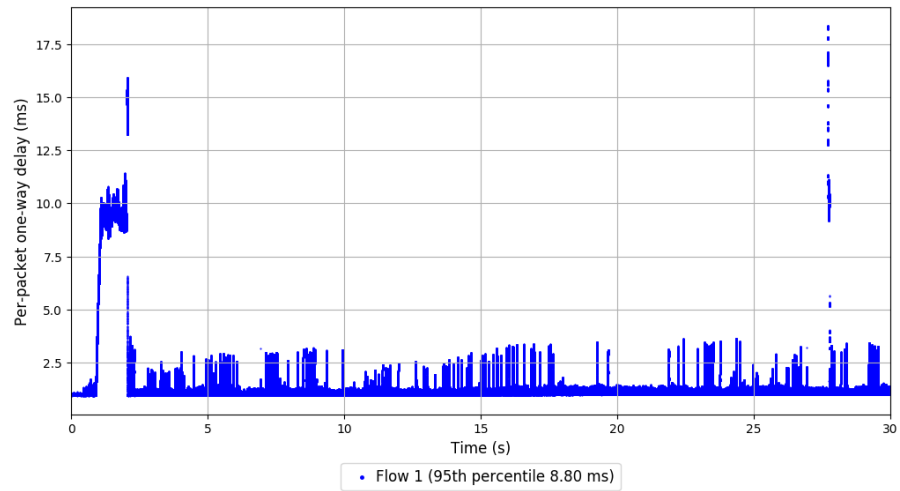
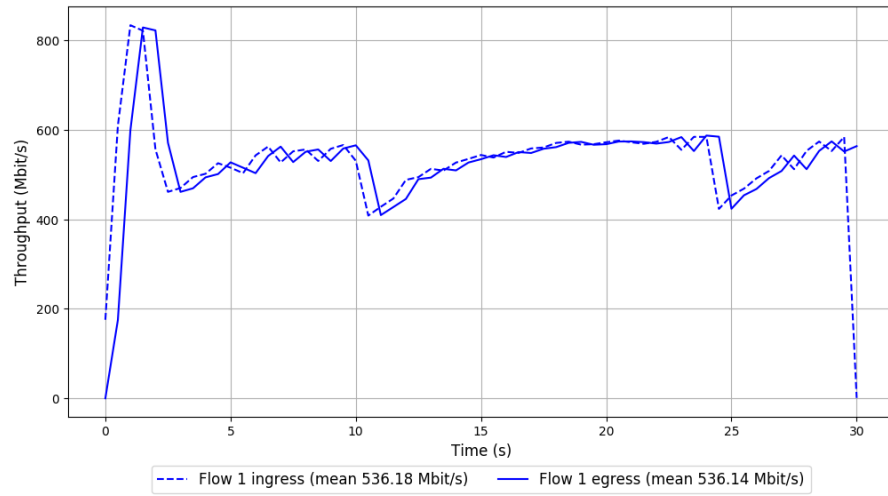
-- Flow 1:

Average throughput: 536.14 Mbit/s

95th percentile per-packet one-way delay: 8.799 ms

Loss rate: 0.07%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 18:30:59

End at: 2018-08-09 18:31:29

Local clock offset: 0.167 ms

Remote clock offset: 4.427 ms

Below is generated by plot.py at 2018-08-09 22:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.53 Mbit/s

95th percentile per-packet one-way delay: 1.332 ms

Loss rate: 0.07%

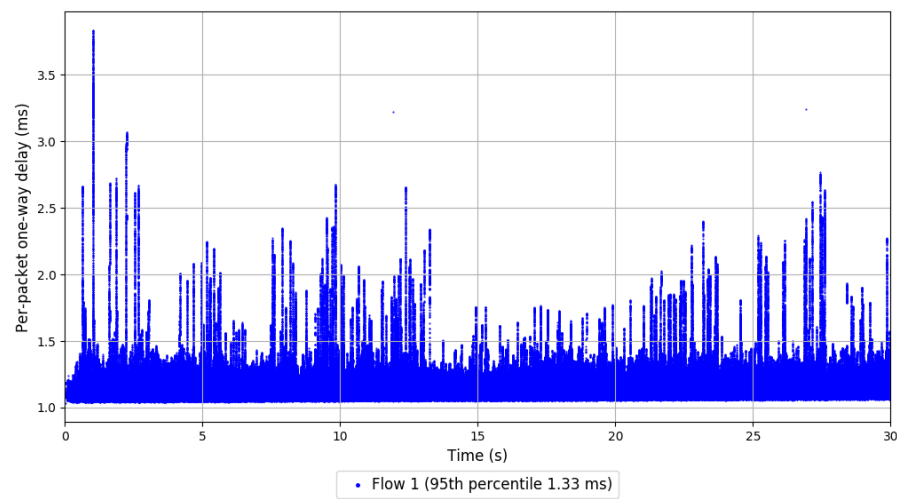
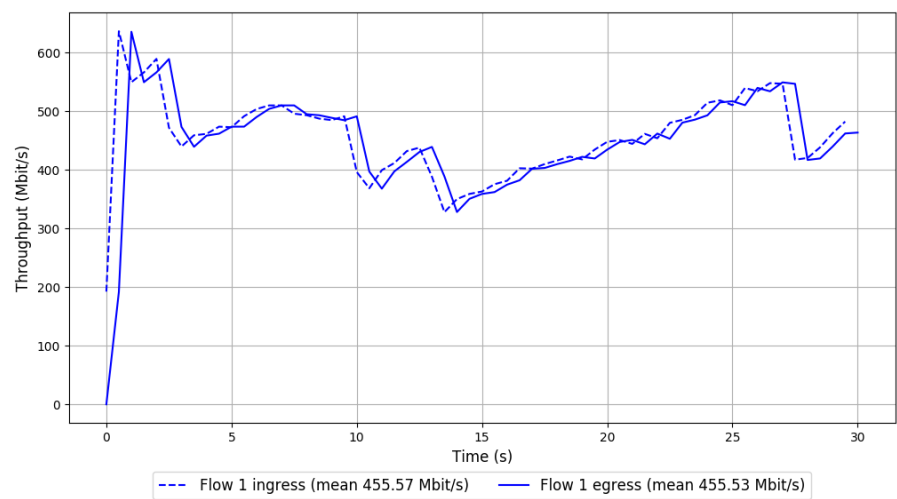
-- Flow 1:

Average throughput: 455.53 Mbit/s

95th percentile per-packet one-way delay: 1.332 ms

Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

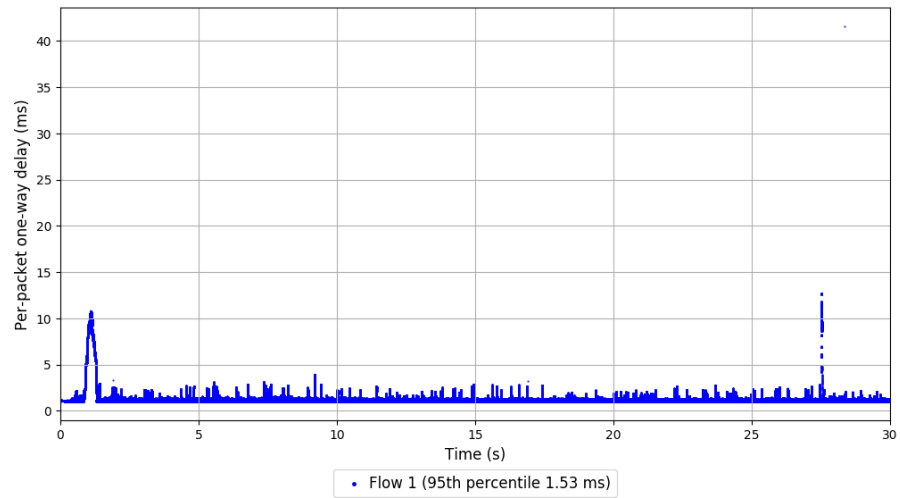
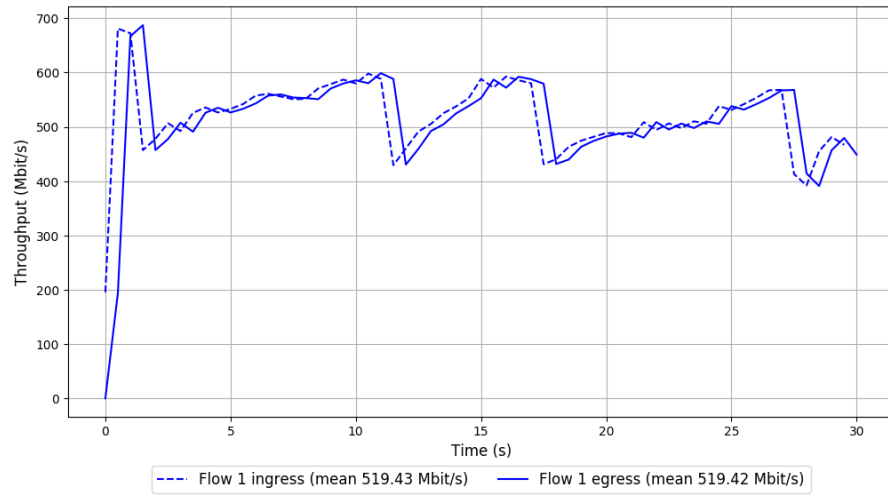


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 18:56:54
End at: 2018-08-09 18:57:24
Local clock offset: 0.082 ms
Remote clock offset: -0.778 ms

Below is generated by plot.py at 2018-08-09 22:21:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 519.42 Mbit/s
95th percentile per-packet one-way delay: 1.531 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 519.42 Mbit/s
95th percentile per-packet one-way delay: 1.531 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

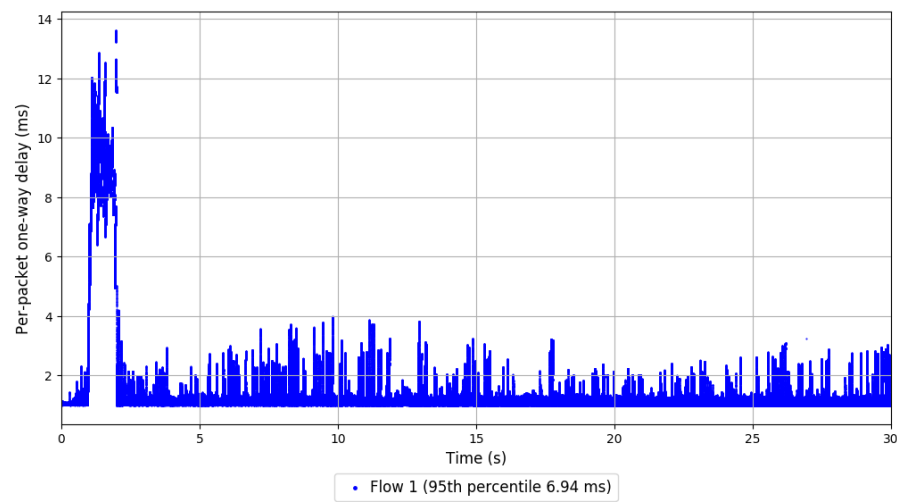
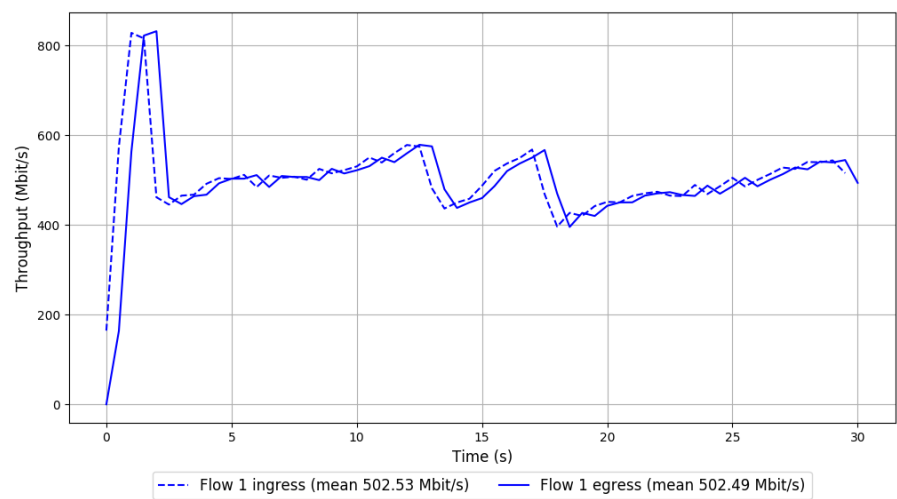


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 19:22:56
End at: 2018-08-09 19:23:26
Local clock offset: 0.027 ms
Remote clock offset: -0.927 ms

Below is generated by plot.py at 2018-08-09 22:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.49 Mbit/s
95th percentile per-packet one-way delay: 6.939 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 502.49 Mbit/s
95th percentile per-packet one-way delay: 6.939 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

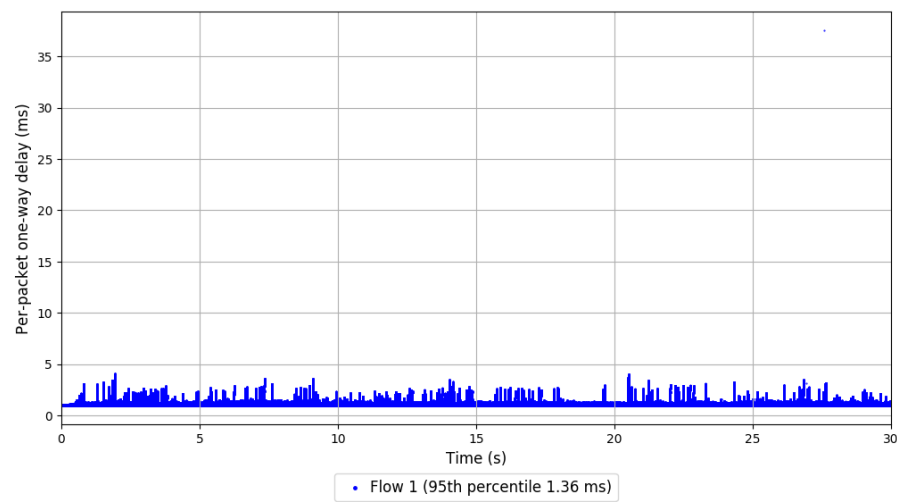
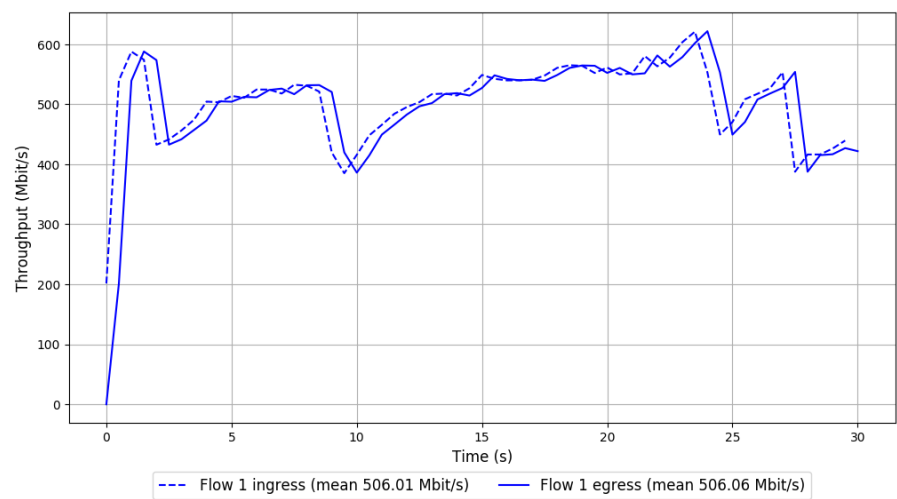


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 19:48:44
End at: 2018-08-09 19:49:14
Local clock offset: 0.008 ms
Remote clock offset: -1.705 ms

Below is generated by plot.py at 2018-08-09 22:23:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.06 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 506.06 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link

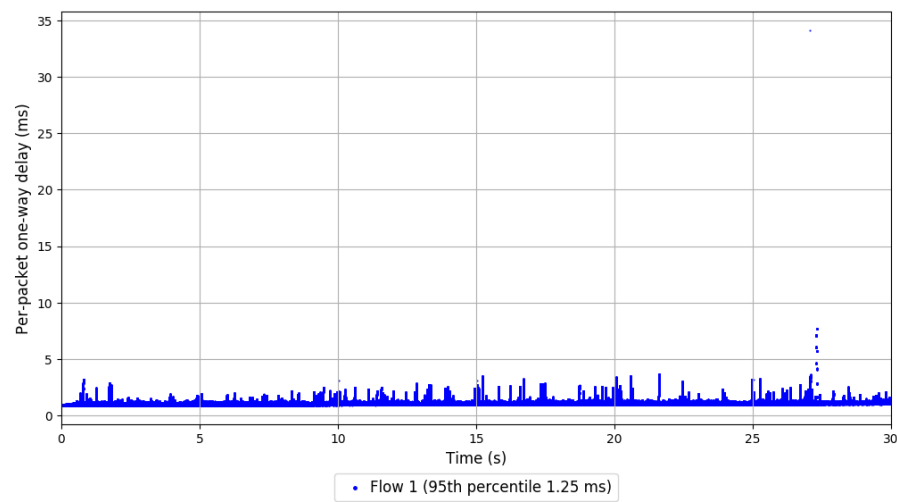
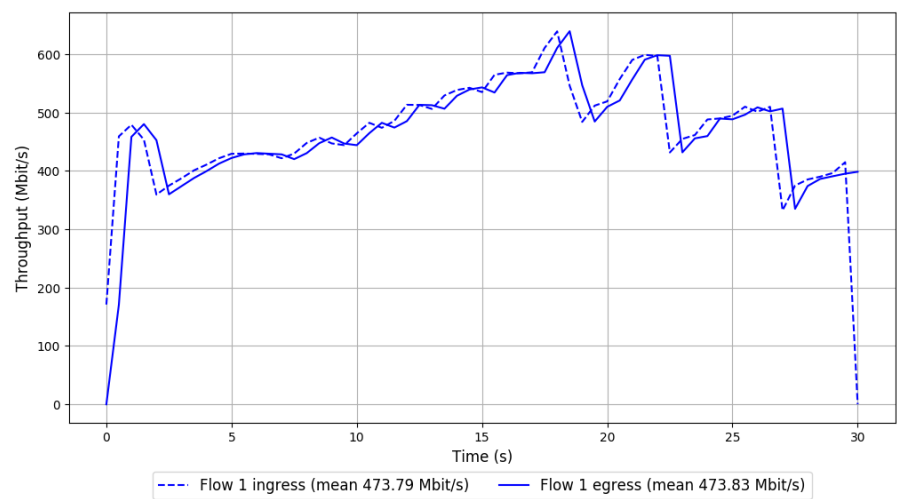


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 20:14:40
End at: 2018-08-09 20:15:10
Local clock offset: 0.111 ms
Remote clock offset: -2.571 ms

Below is generated by plot.py at 2018-08-09 22:23:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 473.83 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 473.83 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link

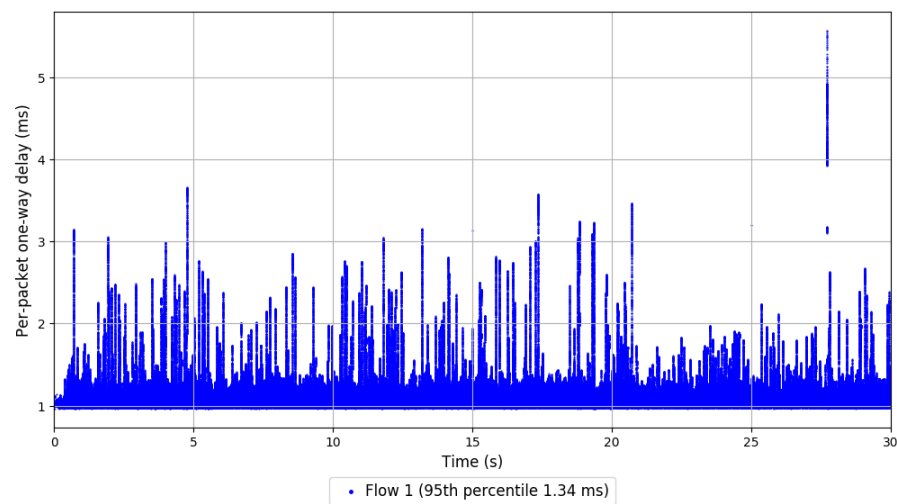
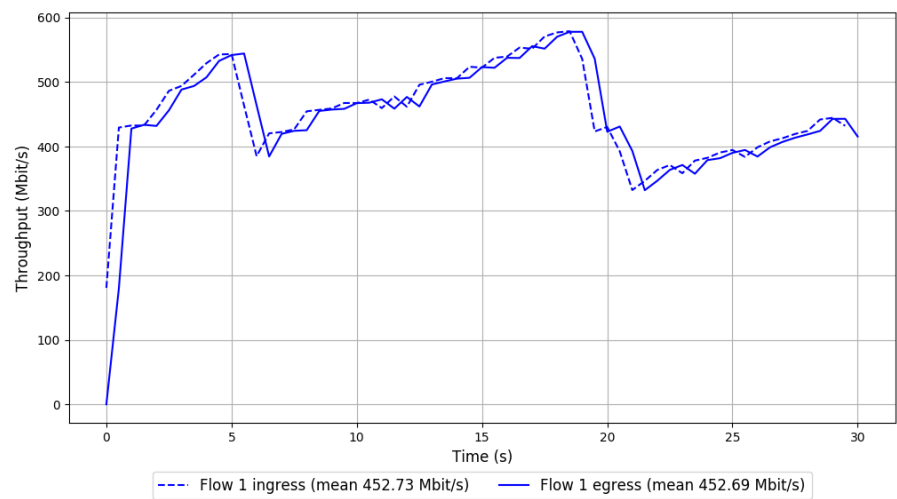


Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 20:40:23
End at: 2018-08-09 20:40:53
Local clock offset: -0.401 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-08-09 22:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 452.69 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 452.69 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 21:06:28

End at: 2018-08-09 21:06:58

Local clock offset: -0.323 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-09 22:26:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.53 Mbit/s

95th percentile per-packet one-way delay: 9.084 ms

Loss rate: 0.06%

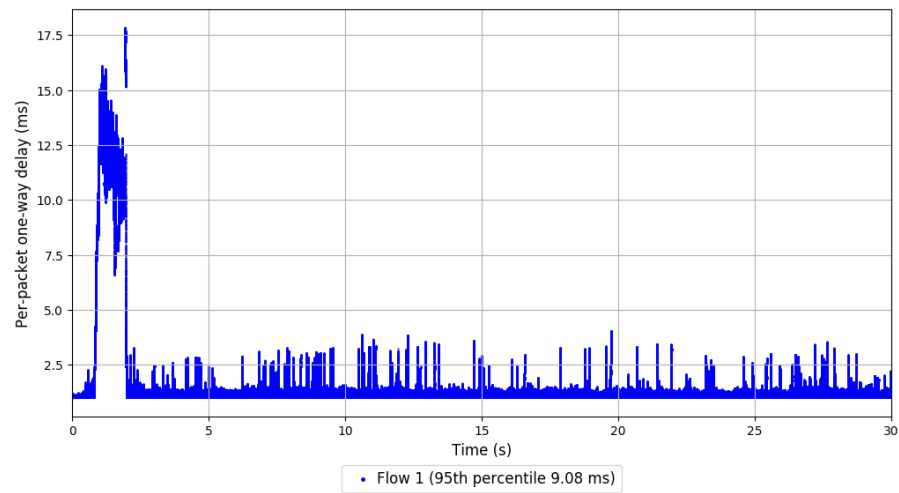
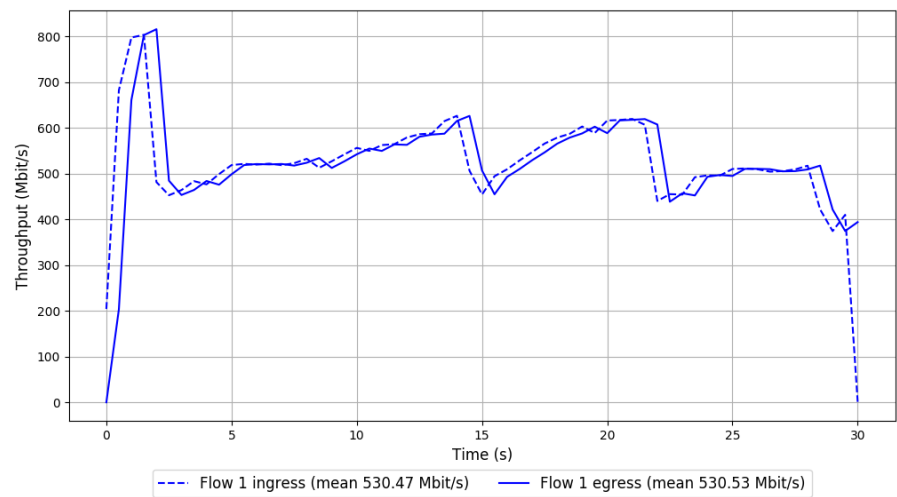
-- Flow 1:

Average throughput: 530.53 Mbit/s

95th percentile per-packet one-way delay: 9.084 ms

Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link

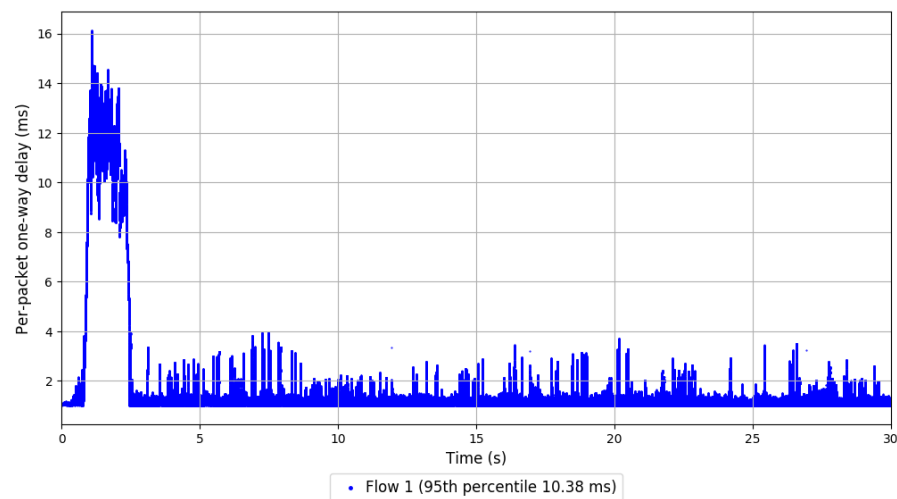
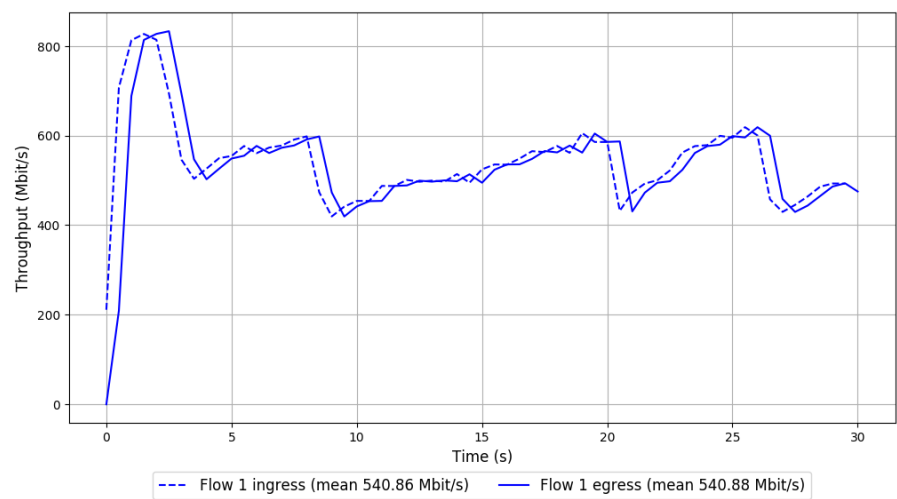


Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 21:33:05
End at: 2018-08-09 21:33:35
Local clock offset: -0.002 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-09 22:26:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 540.88 Mbit/s
95th percentile per-packet one-way delay: 10.382 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 540.88 Mbit/s
95th percentile per-packet one-way delay: 10.382 ms
Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-09 17:23:53

End at: 2018-08-09 17:24:23

Local clock offset: 1.548 ms

Remote clock offset: -0.705 ms

Below is generated by plot.py at 2018-08-09 22:34:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 929.25 Mbit/s

95th percentile per-packet one-way delay: 2.206 ms

Loss rate: 0.07%

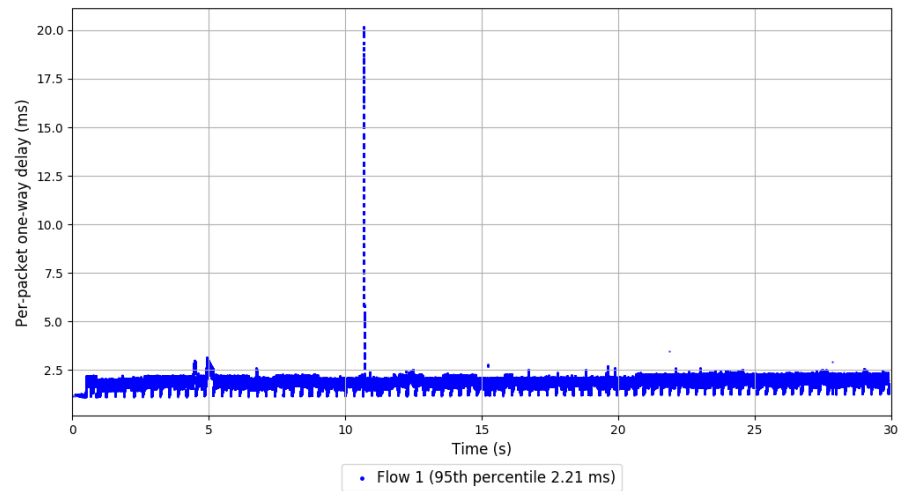
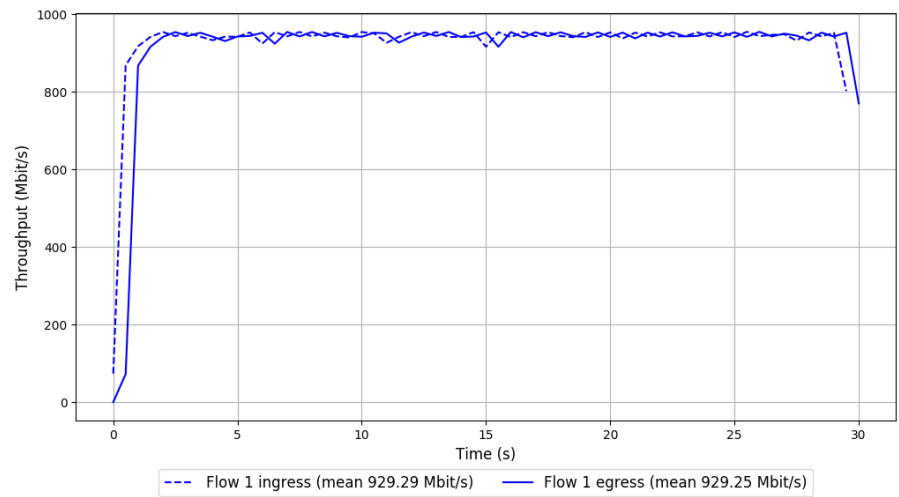
-- Flow 1:

Average throughput: 929.25 Mbit/s

95th percentile per-packet one-way delay: 2.206 ms

Loss rate: 0.07%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-09 17:49:47

End at: 2018-08-09 17:50:17

Local clock offset: -0.331 ms

Remote clock offset: 0.6 ms

Below is generated by plot.py at 2018-08-09 22:34:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 934.97 Mbit/s

95th percentile per-packet one-way delay: 1.828 ms

Loss rate: 0.07%

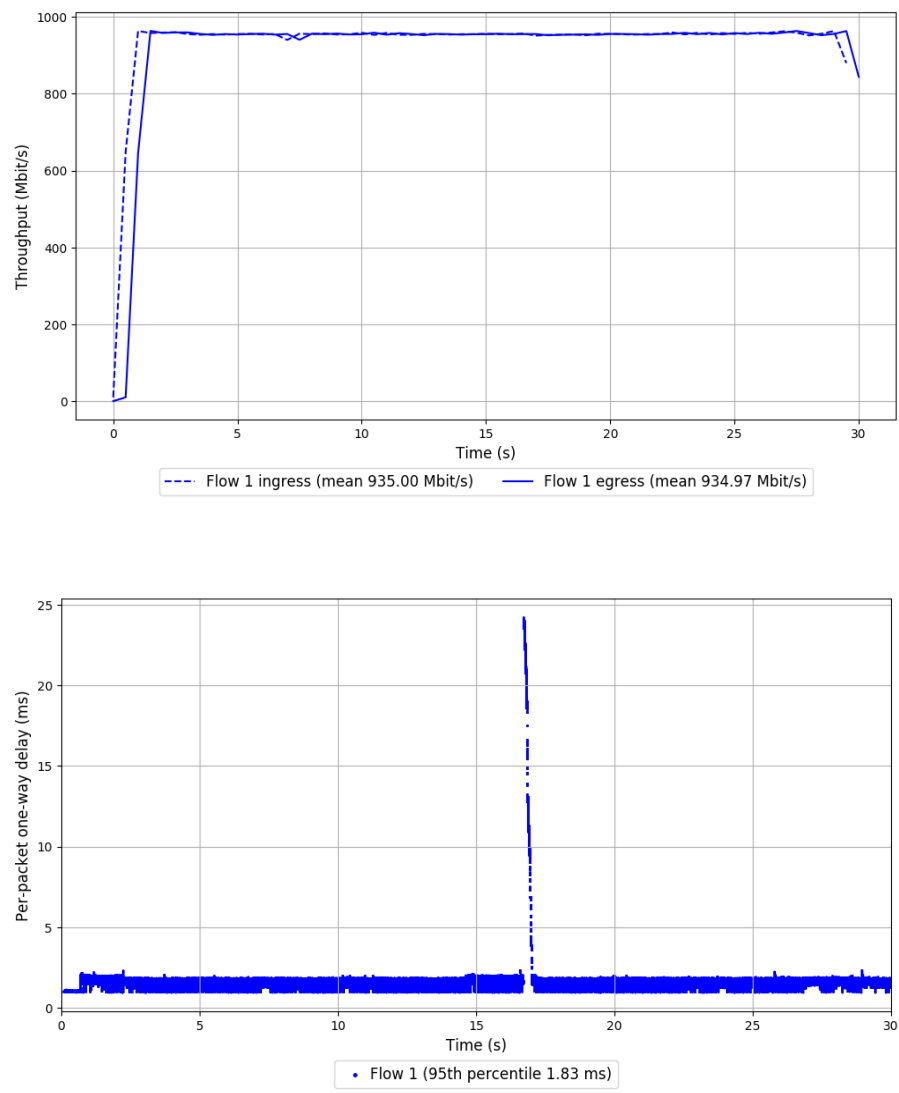
-- Flow 1:

Average throughput: 934.97 Mbit/s

95th percentile per-packet one-way delay: 1.828 ms

Loss rate: 0.07%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-09 18:15:45

End at: 2018-08-09 18:16:15

Local clock offset: -0.245 ms

Remote clock offset: 3.405 ms

Below is generated by plot.py at 2018-08-09 22:35:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 938.41 Mbit/s

95th percentile per-packet one-way delay: 1.905 ms

Loss rate: 0.07%

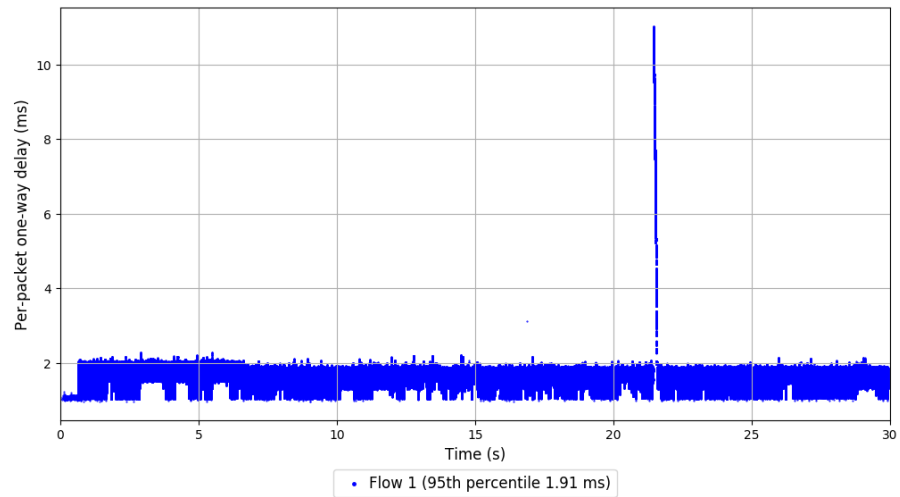
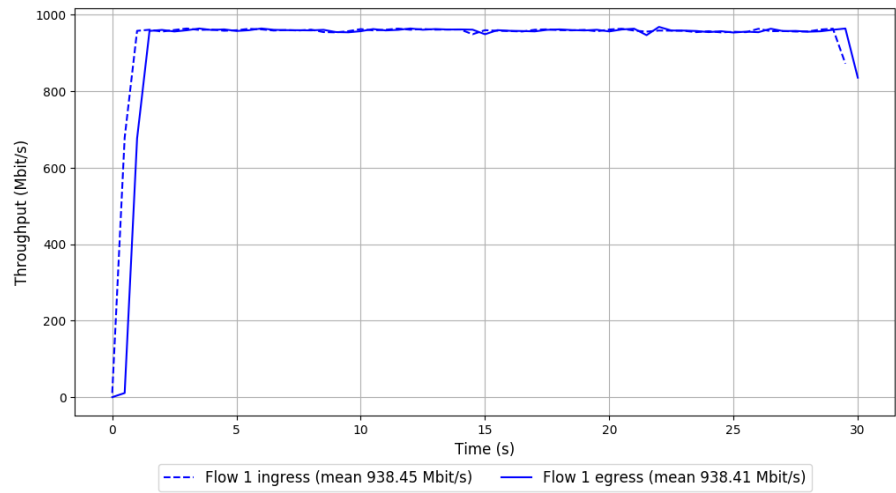
-- Flow 1:

Average throughput: 938.41 Mbit/s

95th percentile per-packet one-way delay: 1.905 ms

Loss rate: 0.07%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-09 18:41:36

End at: 2018-08-09 18:42:06

Local clock offset: 0.173 ms

Remote clock offset: 1.121 ms

Below is generated by plot.py at 2018-08-09 22:35:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 870.26 Mbit/s

95th percentile per-packet one-way delay: 1.816 ms

Loss rate: 0.08%

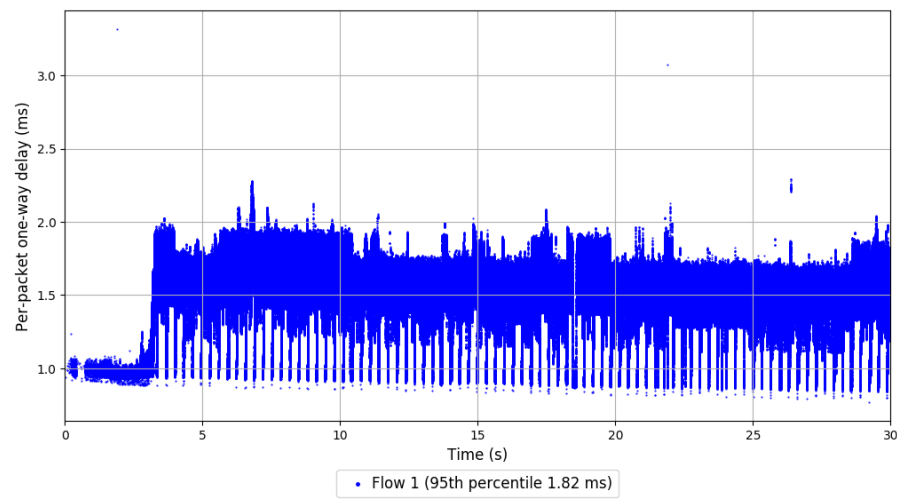
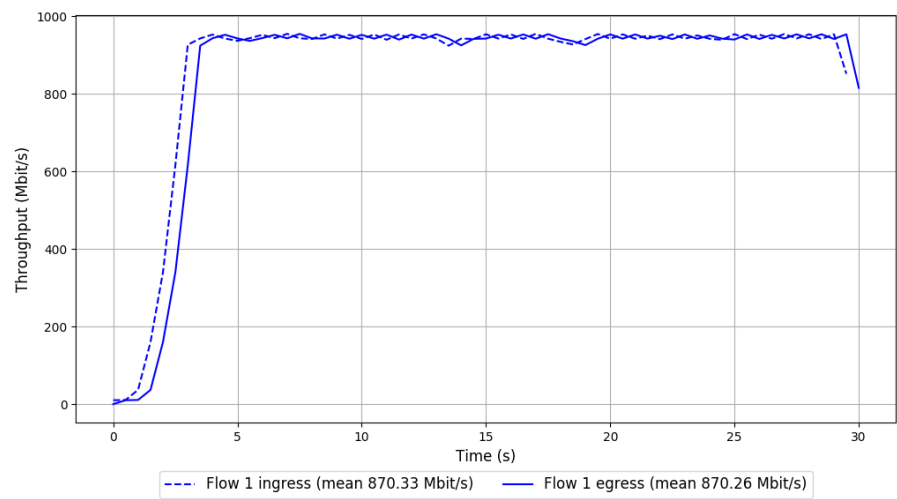
-- Flow 1:

Average throughput: 870.26 Mbit/s

95th percentile per-packet one-way delay: 1.816 ms

Loss rate: 0.08%

Run 4: Report of FillP — Data Link

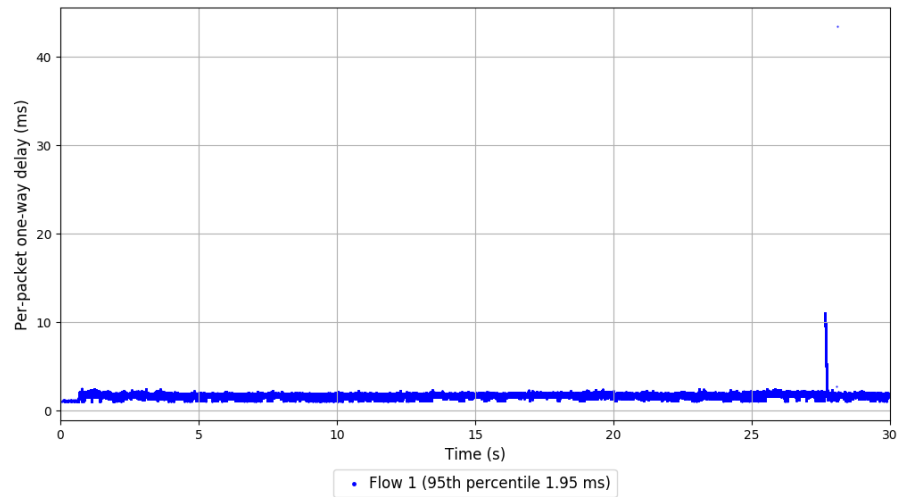
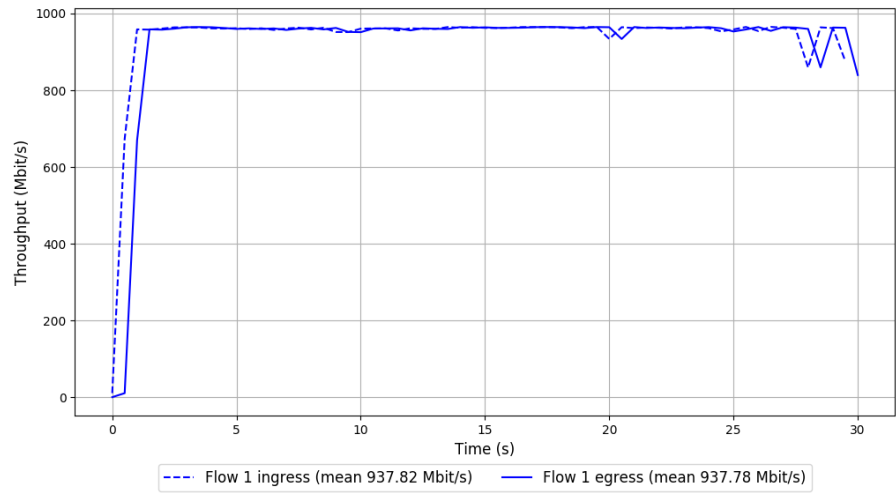


Run 5: Statistics of FillP

Start at: 2018-08-09 19:07:34
End at: 2018-08-09 19:08:04
Local clock offset: 0.025 ms
Remote clock offset: -1.276 ms

Below is generated by plot.py at 2018-08-09 22:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 937.78 Mbit/s
95th percentile per-packet one-way delay: 1.954 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 937.78 Mbit/s
95th percentile per-packet one-way delay: 1.954 ms
Loss rate: 0.07%

Run 5: Report of FillP — Data Link

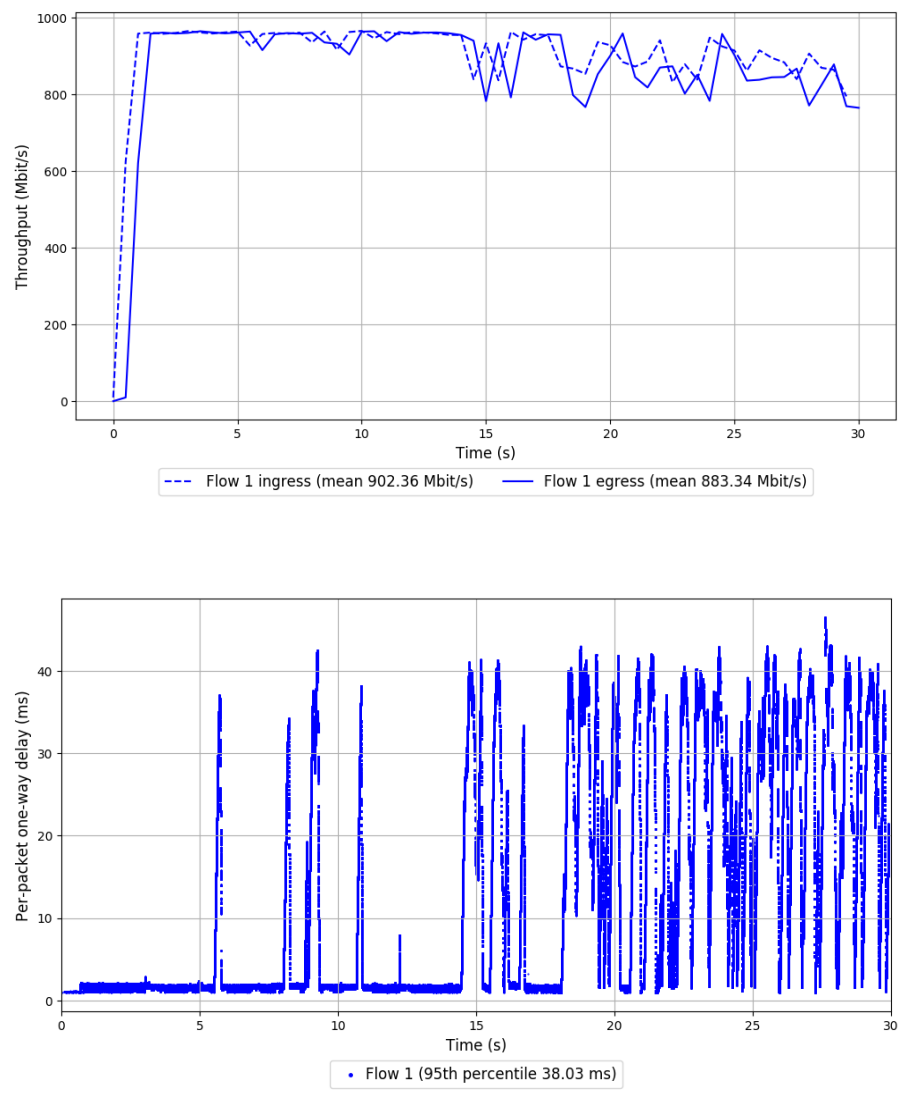


Run 6: Statistics of FillP

Start at: 2018-08-09 19:33:36
End at: 2018-08-09 19:34:06
Local clock offset: 0.046 ms
Remote clock offset: -1.209 ms

Below is generated by plot.py at 2018-08-09 22:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 883.34 Mbit/s
95th percentile per-packet one-way delay: 38.033 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 883.34 Mbit/s
95th percentile per-packet one-way delay: 38.033 ms
Loss rate: 2.17%

Run 6: Report of FillP — Data Link

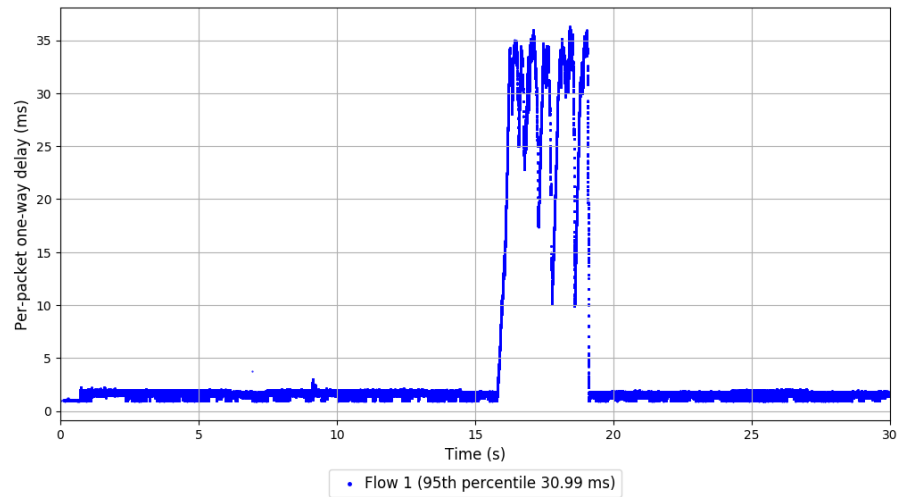
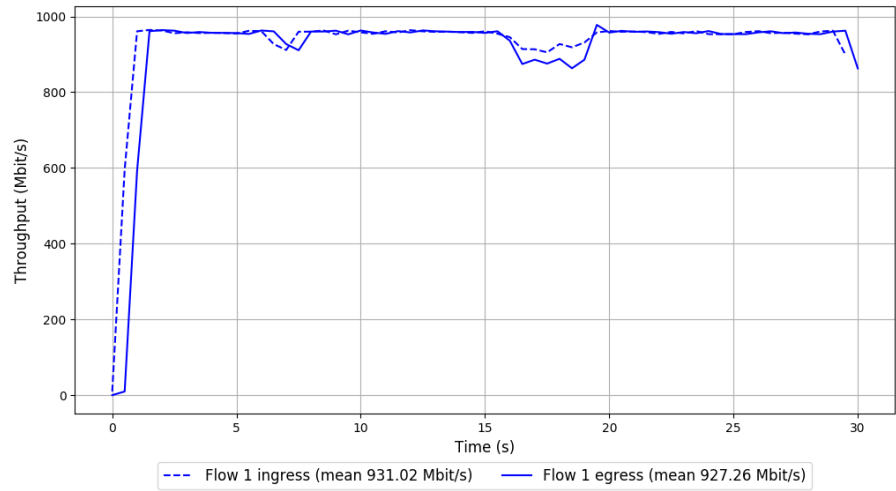


Run 7: Statistics of FillP

Start at: 2018-08-09 19:59:24
End at: 2018-08-09 19:59:54
Local clock offset: -0.027 ms
Remote clock offset: -2.077 ms

Below is generated by plot.py at 2018-08-09 22:39:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 927.26 Mbit/s
95th percentile per-packet one-way delay: 30.994 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 927.26 Mbit/s
95th percentile per-packet one-way delay: 30.994 ms
Loss rate: 0.47%

Run 7: Report of FillP — Data Link

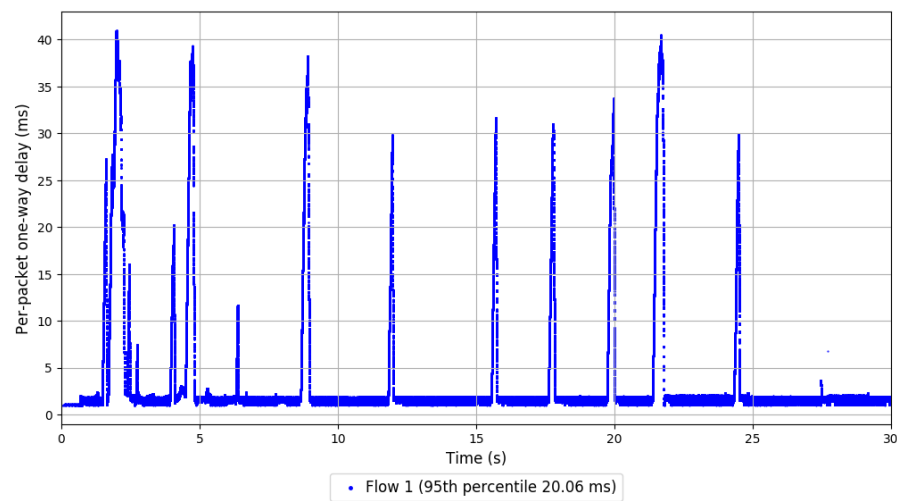
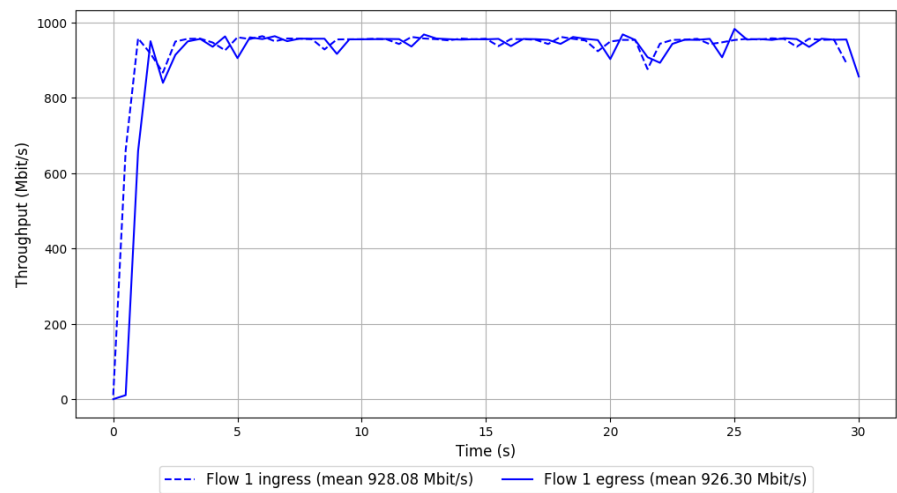


Run 8: Statistics of FillP

Start at: 2018-08-09 20:25:12
End at: 2018-08-09 20:25:42
Local clock offset: -0.273 ms
Remote clock offset: -0.977 ms

Below is generated by plot.py at 2018-08-09 22:39:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 926.30 Mbit/s
95th percentile per-packet one-way delay: 20.062 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 926.30 Mbit/s
95th percentile per-packet one-way delay: 20.062 ms
Loss rate: 0.26%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-09 20:51:01

End at: 2018-08-09 20:51:31

Local clock offset: -0.345 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-08-09 22:47:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 912.35 Mbit/s

95th percentile per-packet one-way delay: 1.897 ms

Loss rate: 0.07%

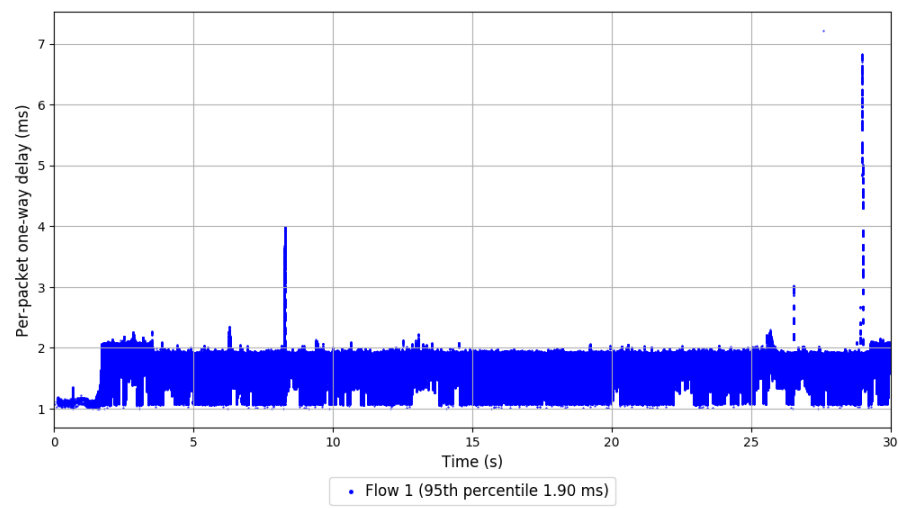
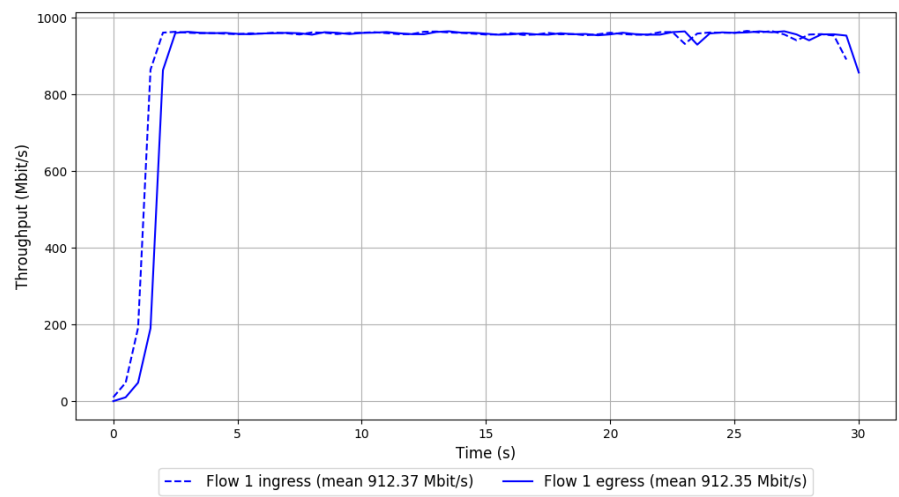
-- Flow 1:

Average throughput: 912.35 Mbit/s

95th percentile per-packet one-way delay: 1.897 ms

Loss rate: 0.07%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-09 21:17:10

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

Local clock offset: -0.224 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-08-09 22:47:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 930.00 Mbit/s

95th percentile per-packet one-way delay: 2.951 ms

Loss rate: 0.10%

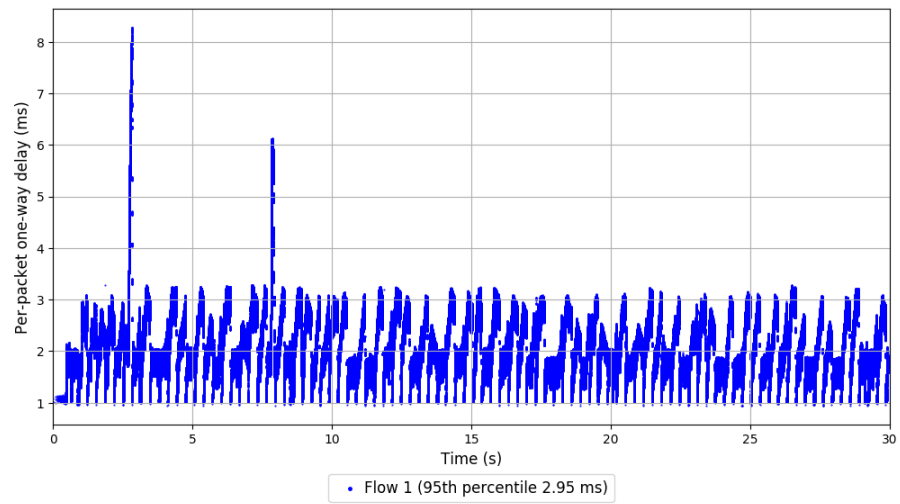
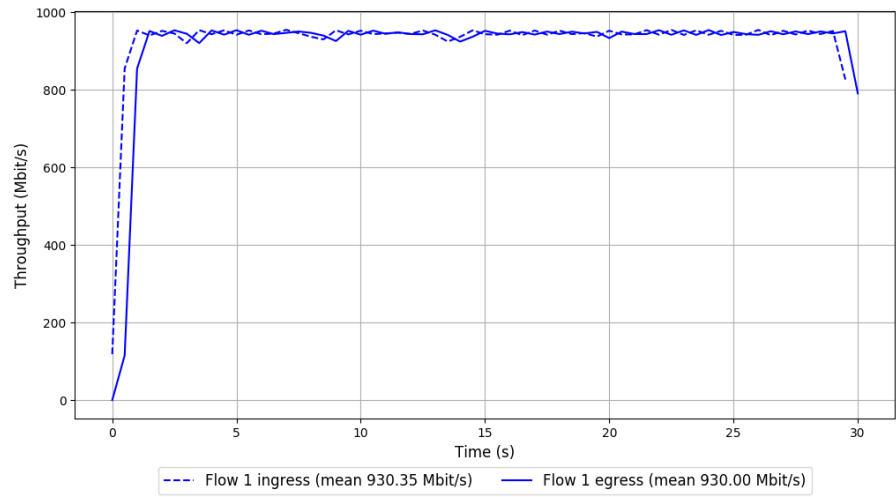
-- Flow 1:

Average throughput: 930.00 Mbit/s

95th percentile per-packet one-way delay: 2.951 ms

Loss rate: 0.10%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 17:31:37

End at: 2018-08-09 17:32:07

Local clock offset: 0.311 ms

Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-09 22:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 920.50 Mbit/s

95th percentile per-packet one-way delay: 2.284 ms

Loss rate: 0.07%

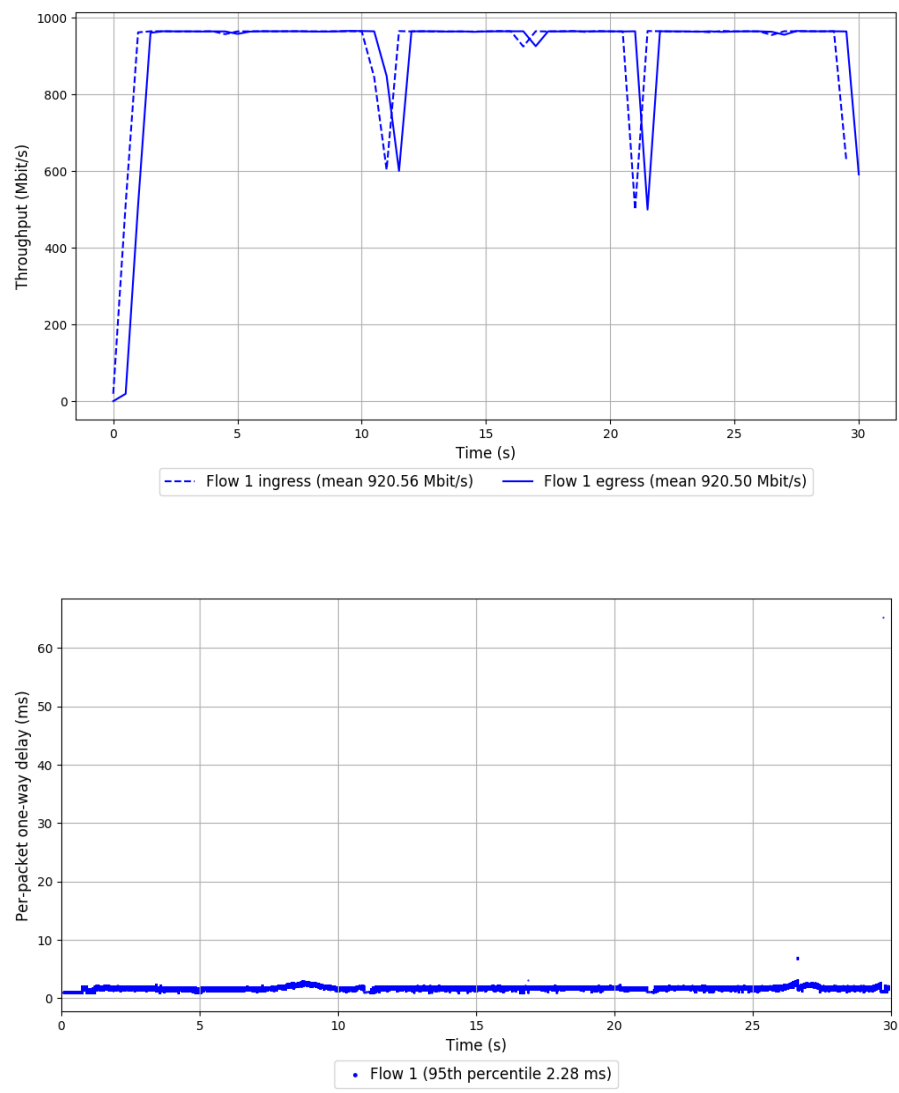
-- Flow 1:

Average throughput: 920.50 Mbit/s

95th percentile per-packet one-way delay: 2.284 ms

Loss rate: 0.07%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 17:57:37

End at: 2018-08-09 17:58:07

Local clock offset: -0.163 ms

Remote clock offset: 0.874 ms

Below is generated by plot.py at 2018-08-09 22:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 919.95 Mbit/s

95th percentile per-packet one-way delay: 1.969 ms

Loss rate: 0.07%

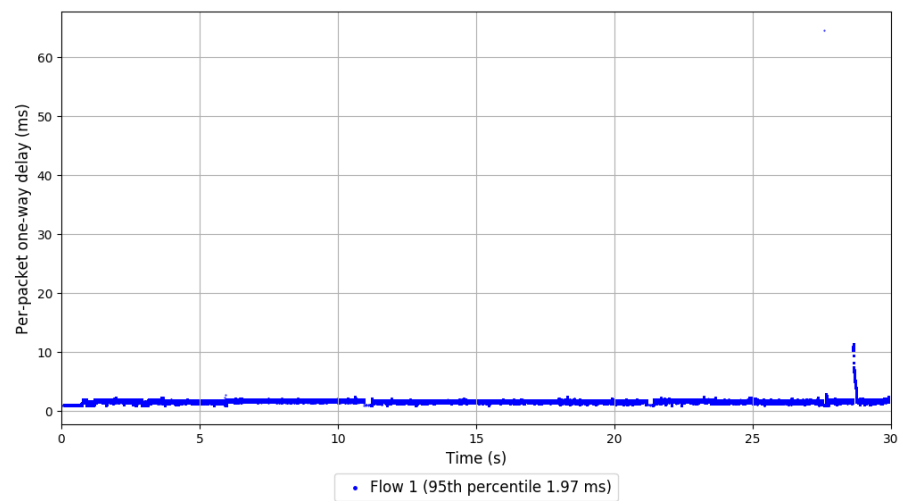
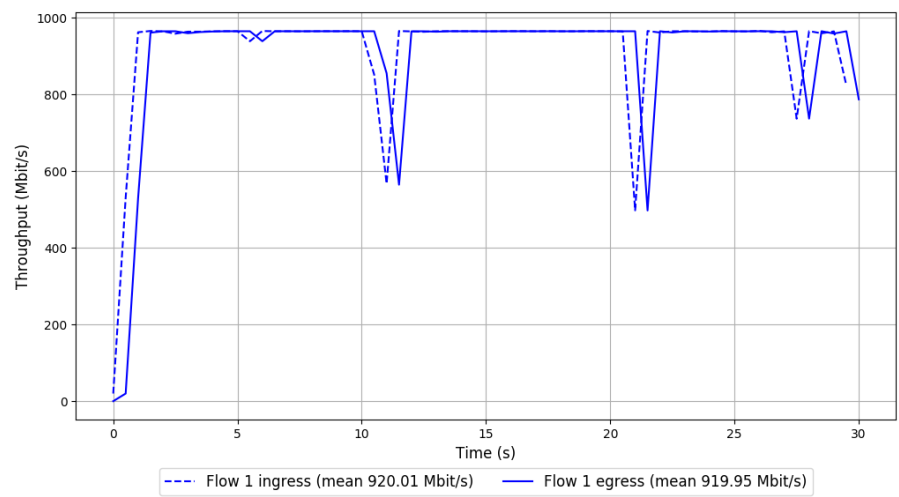
-- Flow 1:

Average throughput: 919.95 Mbit/s

95th percentile per-packet one-way delay: 1.969 ms

Loss rate: 0.07%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 18:23:33

End at: 2018-08-09 18:24:03

Local clock offset: -0.045 ms

Remote clock offset: 3.984 ms

Below is generated by plot.py at 2018-08-09 22:48:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 938.60 Mbit/s

95th percentile per-packet one-way delay: 1.893 ms

Loss rate: 0.07%

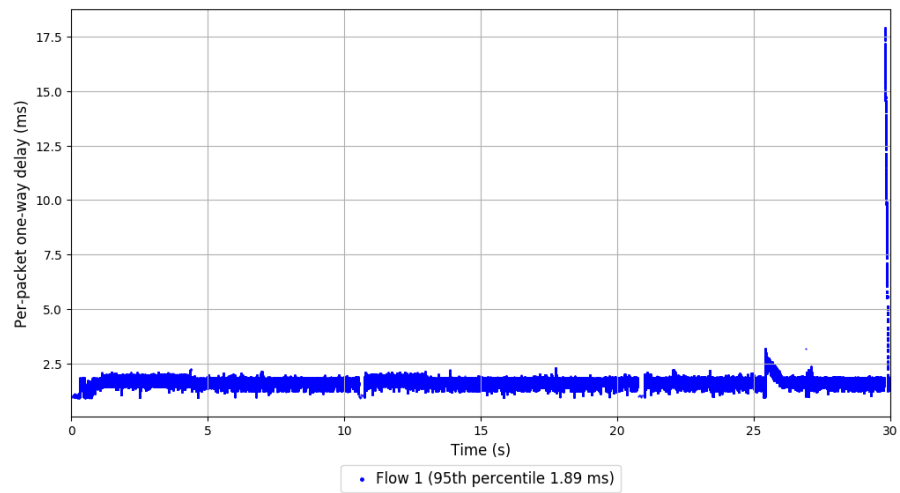
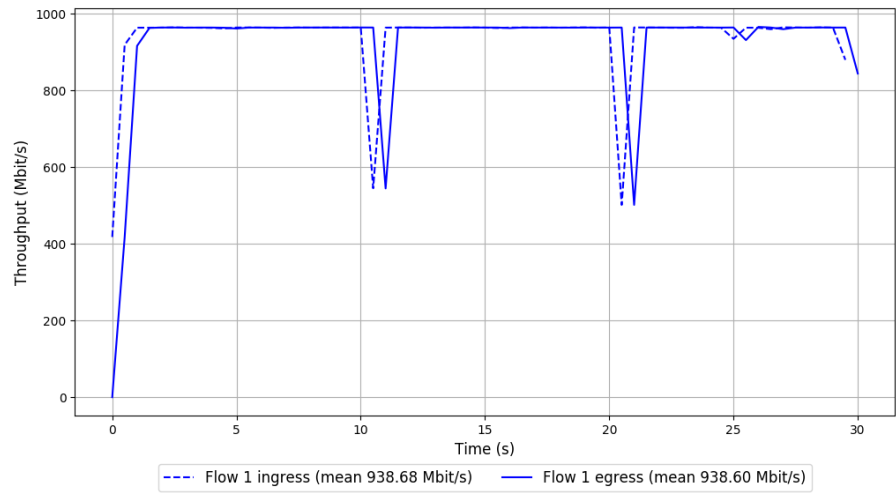
-- Flow 1:

Average throughput: 938.60 Mbit/s

95th percentile per-packet one-way delay: 1.893 ms

Loss rate: 0.07%

Run 3: Report of FillP-Sheep — Data Link

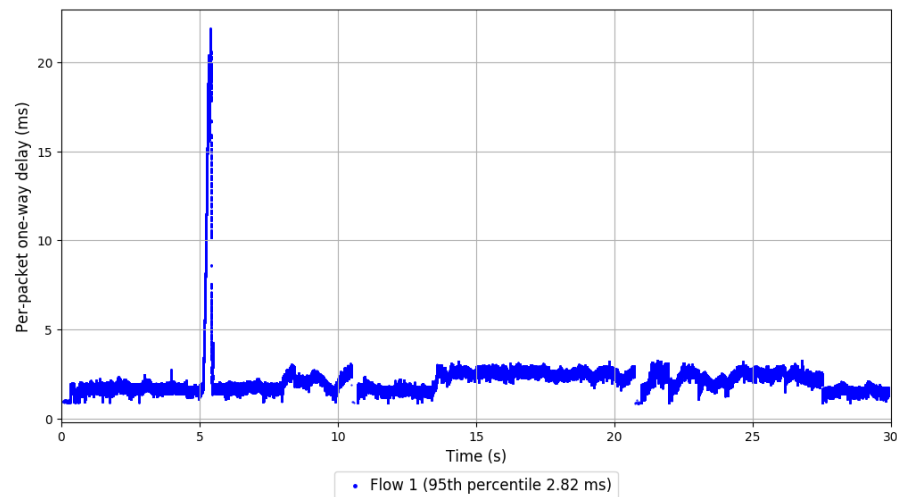
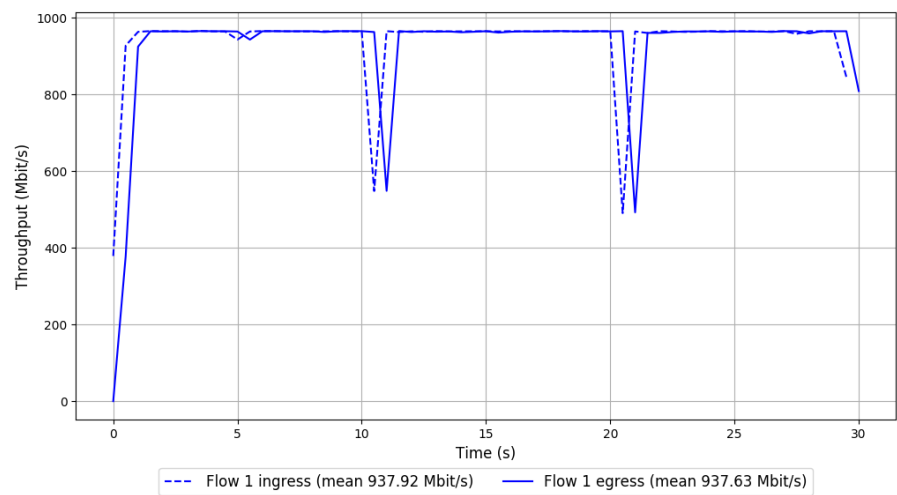


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 18:49:23
End at: 2018-08-09 18:49:53
Local clock offset: 0.094 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-09 22:48:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 937.63 Mbit/s
95th percentile per-packet one-way delay: 2.821 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 937.63 Mbit/s
95th percentile per-packet one-way delay: 2.821 ms
Loss rate: 0.10%

Run 4: Report of FillP-Sheep — Data Link

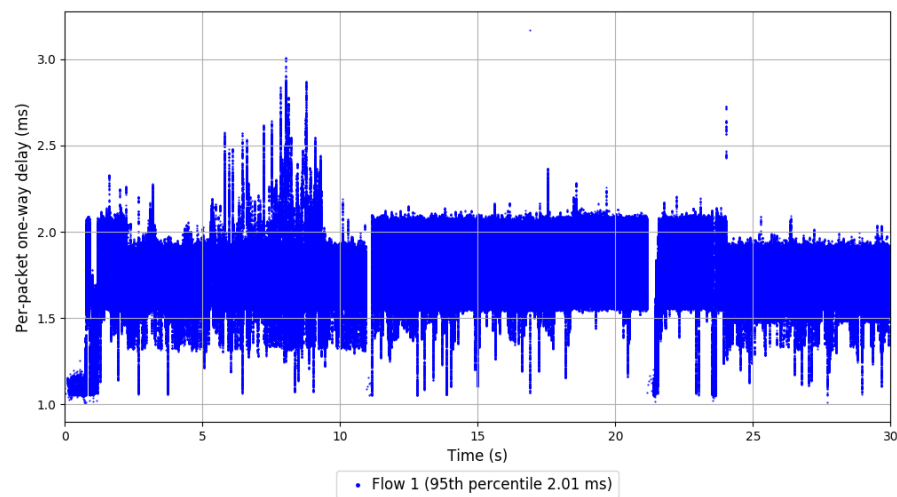
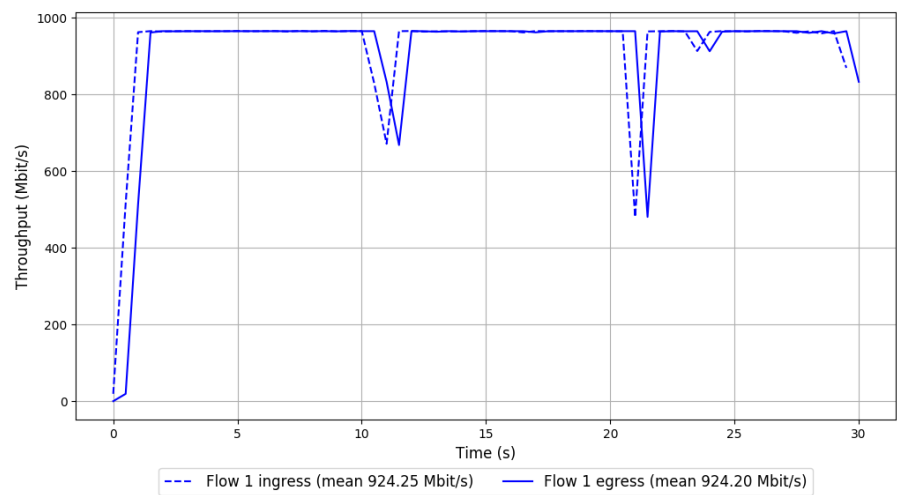


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 19:15:30
End at: 2018-08-09 19:16:00
Local clock offset: 0.046 ms
Remote clock offset: -0.908 ms

Below is generated by plot.py at 2018-08-09 22:52:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 924.20 Mbit/s
95th percentile per-packet one-way delay: 2.013 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 924.20 Mbit/s
95th percentile per-packet one-way delay: 2.013 ms
Loss rate: 0.07%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 19:41:17

End at: 2018-08-09 19:41:47

Local clock offset: 0.105 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-08-09 22:52:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 925.09 Mbit/s

95th percentile per-packet one-way delay: 1.944 ms

Loss rate: 0.07%

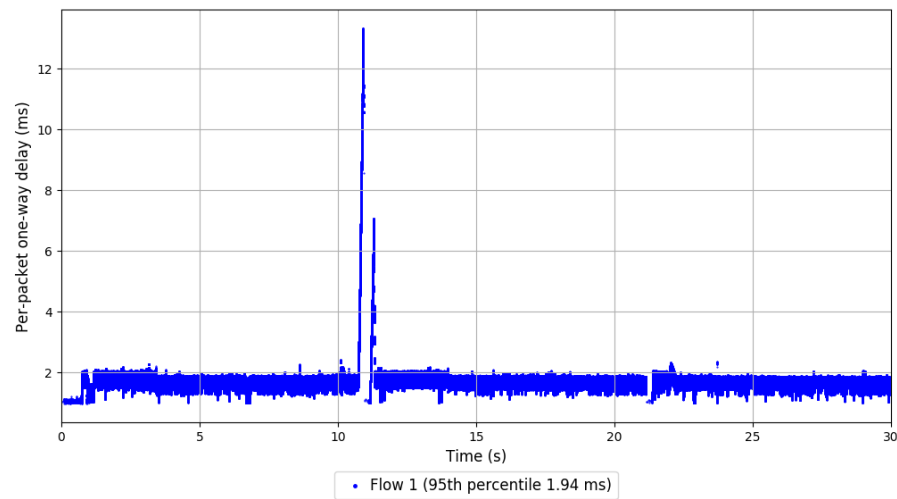
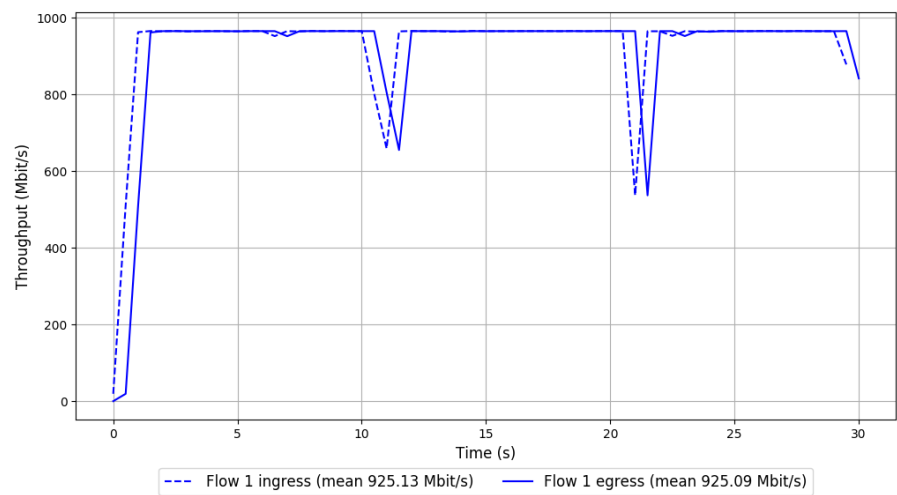
-- Flow 1:

Average throughput: 925.09 Mbit/s

95th percentile per-packet one-way delay: 1.944 ms

Loss rate: 0.07%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 20:07:13

End at: 2018-08-09 20:07:43

Local clock offset: 0.131 ms

Remote clock offset: -2.32 ms

Below is generated by plot.py at 2018-08-09 23:00:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 925.25 Mbit/s

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

Loss rate: 0.07%

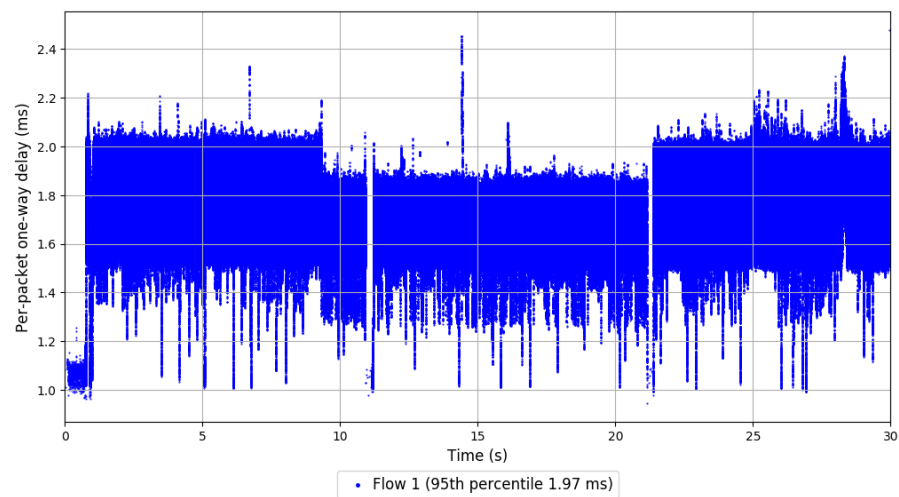
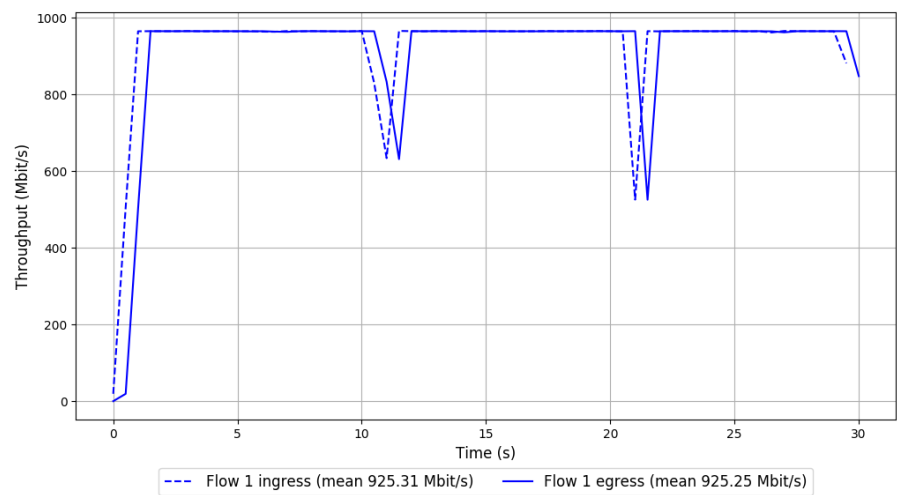
-- Flow 1:

Average throughput: 925.25 Mbit/s

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

Loss rate: 0.07%

Run 7: Report of FillP-Sheep — Data Link

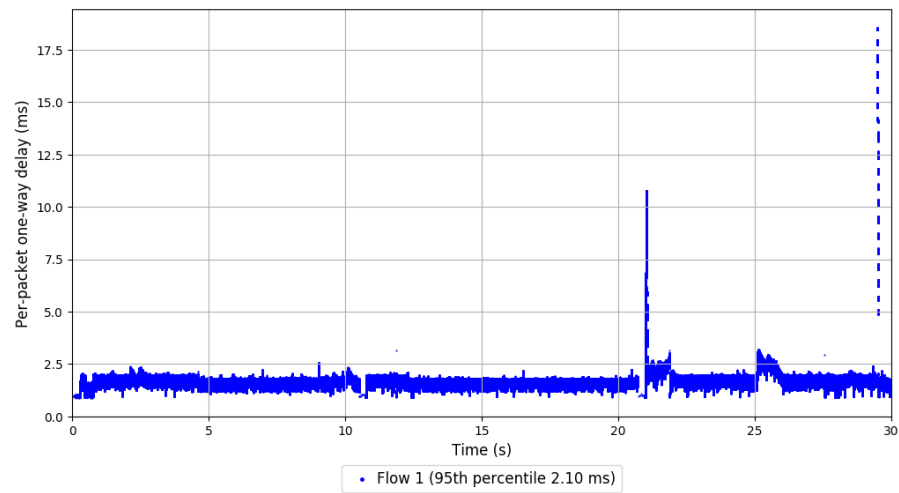
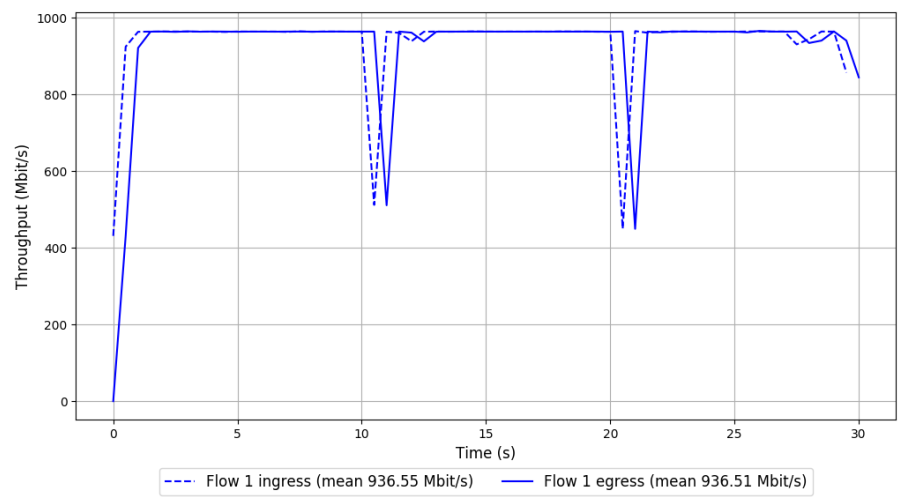


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 20:32:56
End at: 2018-08-09 20:33:26
Local clock offset: -0.385 ms
Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-08-09 23:00:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 936.51 Mbit/s
95th percentile per-packet one-way delay: 2.104 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 936.51 Mbit/s
95th percentile per-packet one-way delay: 2.104 ms
Loss rate: 0.07%

Run 8: Report of FillP-Sheep — Data Link

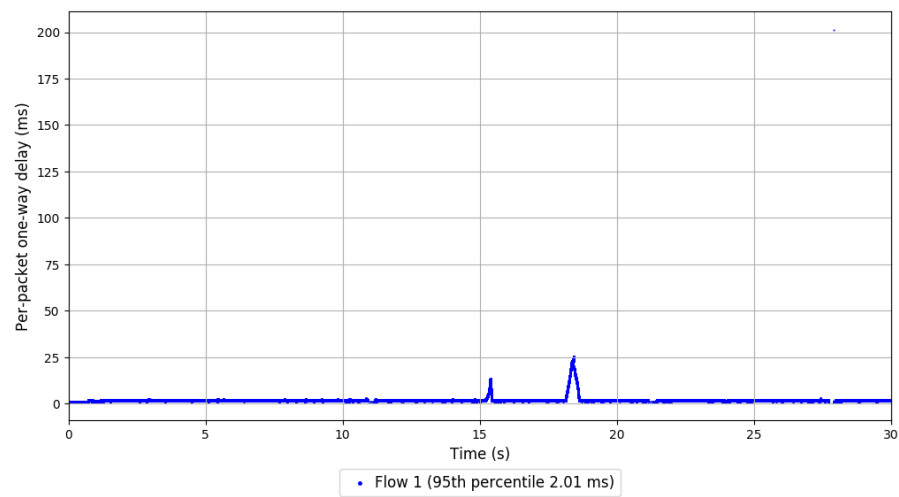
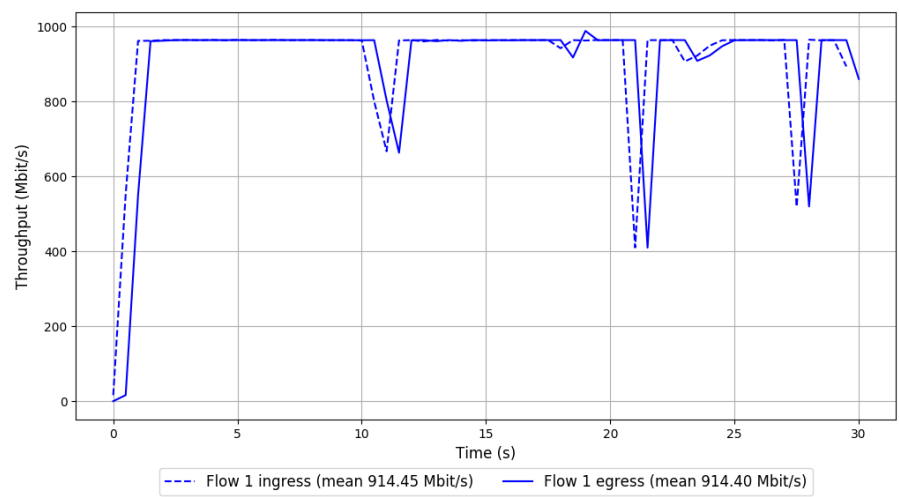


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 20:59:00
End at: 2018-08-09 20:59:30
Local clock offset: -0.348 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-09 23:01:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 914.40 Mbit/s
95th percentile per-packet one-way delay: 2.007 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 914.40 Mbit/s
95th percentile per-packet one-way delay: 2.007 ms
Loss rate: 0.07%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 21:25:10

End at: 2018-08-09 21:25:40

Local clock offset: -0.154 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-08-09 23:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 933.51 Mbit/s

95th percentile per-packet one-way delay: 2.964 ms

Loss rate: 0.11%

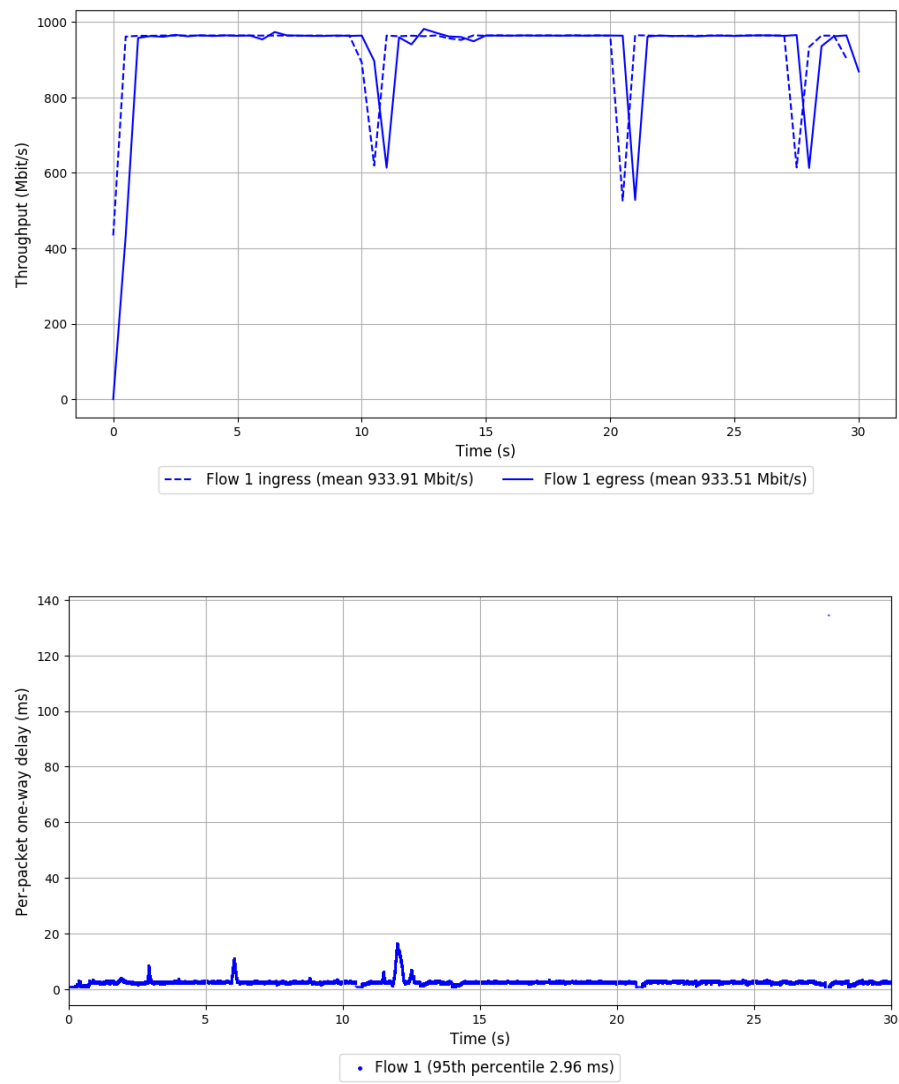
-- Flow 1:

Average throughput: 933.51 Mbit/s

95th percentile per-packet one-way delay: 2.964 ms

Loss rate: 0.11%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-09 17:33:19

End at: 2018-08-09 17:33:49

Local clock offset: 0.229 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-09 23:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.50 Mbit/s

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

Loss rate: 0.07%

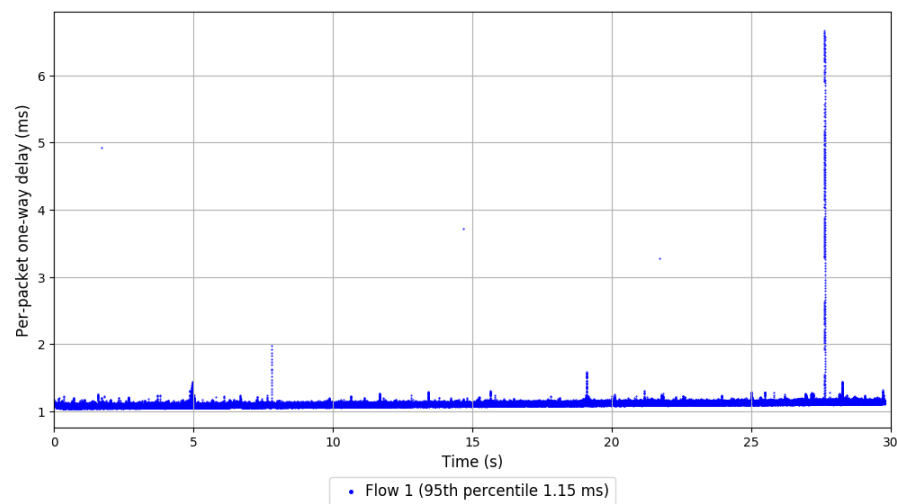
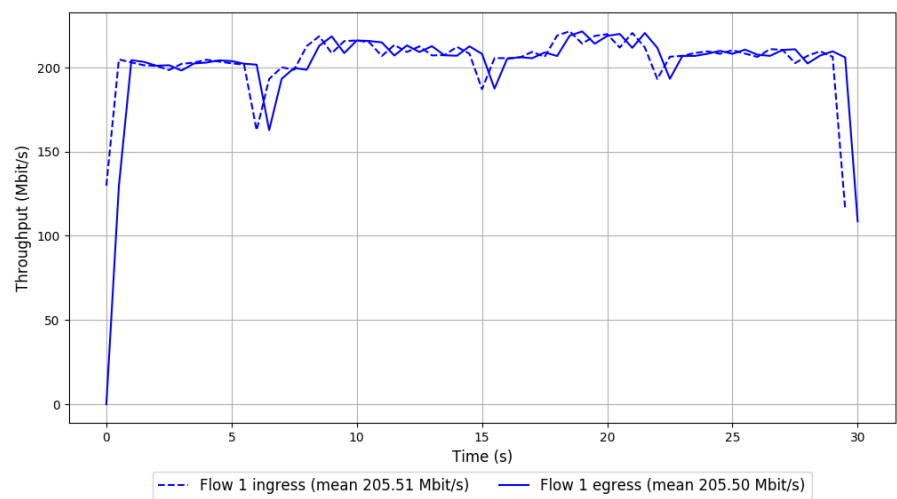
-- Flow 1:

Average throughput: 205.50 Mbit/s

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

Loss rate: 0.07%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-09 17:59:19

End at: 2018-08-09 17:59:49

Local clock offset: -0.143 ms

Remote clock offset: 1.19 ms

Below is generated by plot.py at 2018-08-09 23:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.50 Mbit/s

95th percentile per-packet one-way delay: 1.186 ms

Loss rate: 0.07%

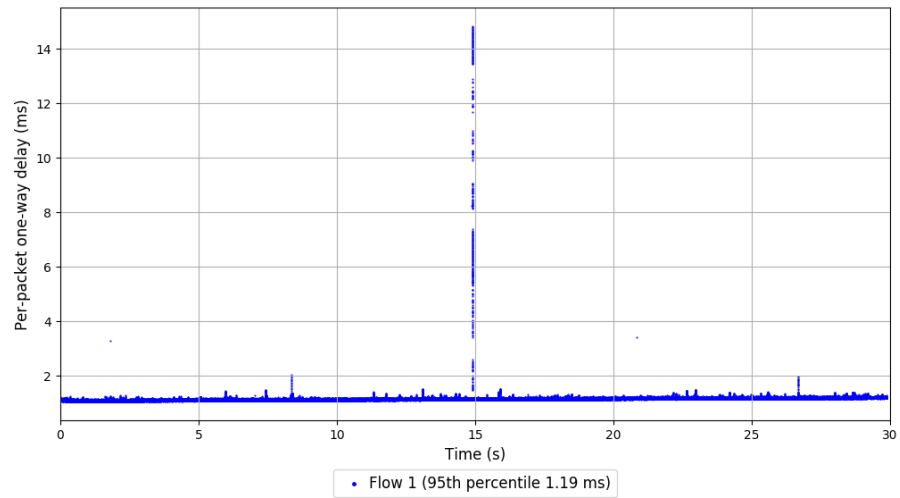
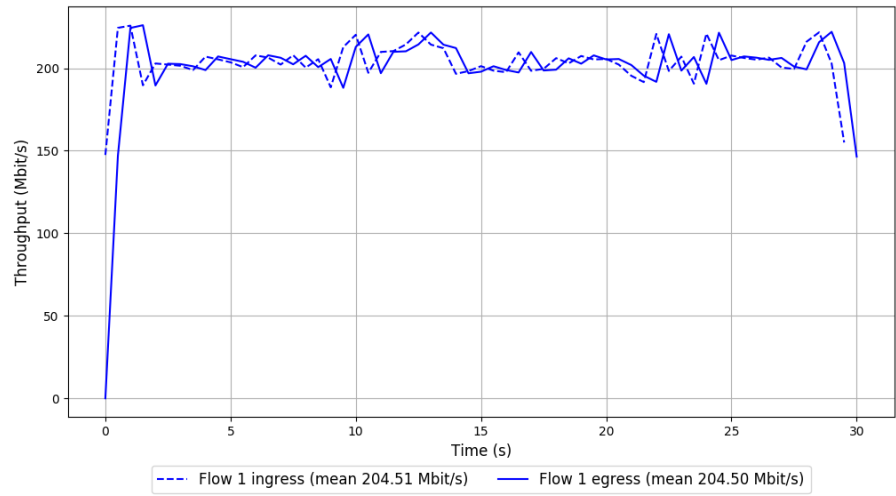
-- Flow 1:

Average throughput: 204.50 Mbit/s

95th percentile per-packet one-way delay: 1.186 ms

Loss rate: 0.07%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-09 18:25:15

End at: 2018-08-09 18:25:45

Local clock offset: 0.088 ms

Remote clock offset: 4.134 ms

Below is generated by plot.py at 2018-08-09 23:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.17 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.06%

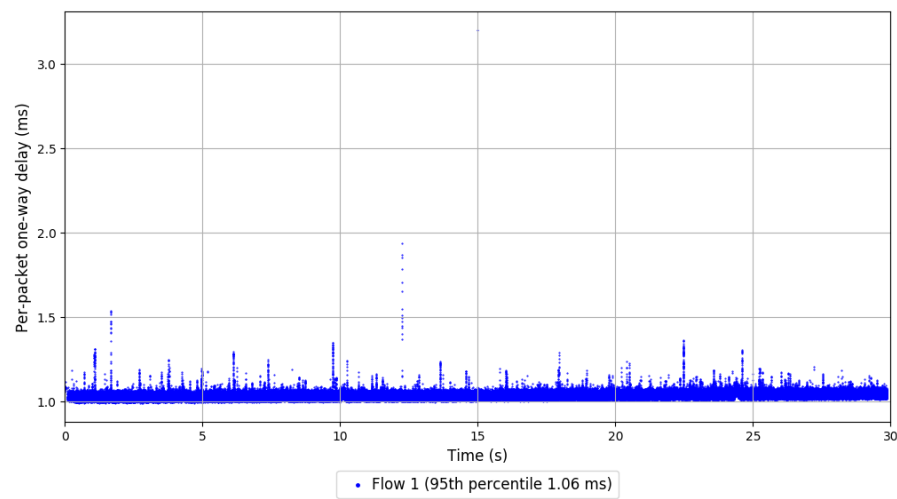
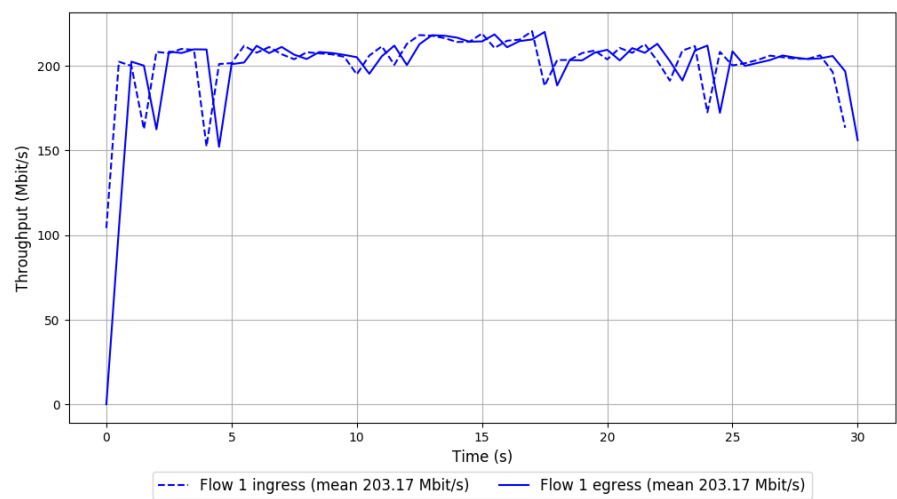
-- Flow 1:

Average throughput: 203.17 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.06%

Run 3: Report of Indigo — Data Link

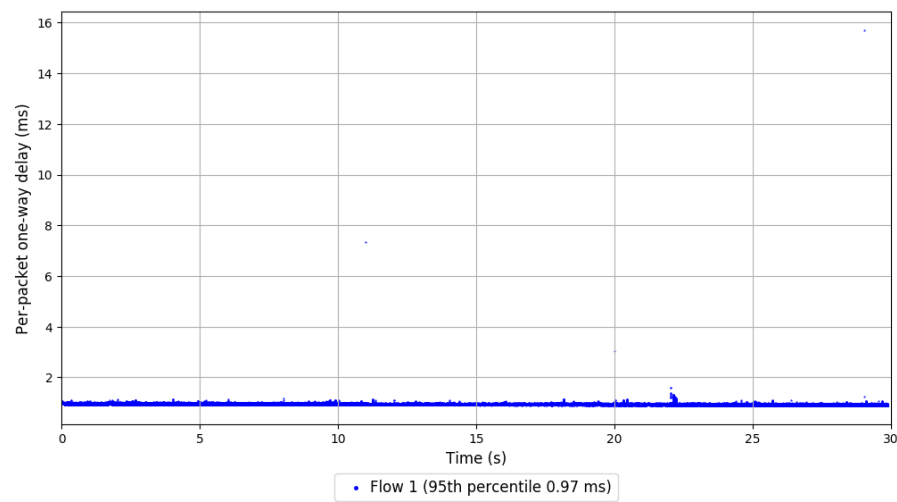
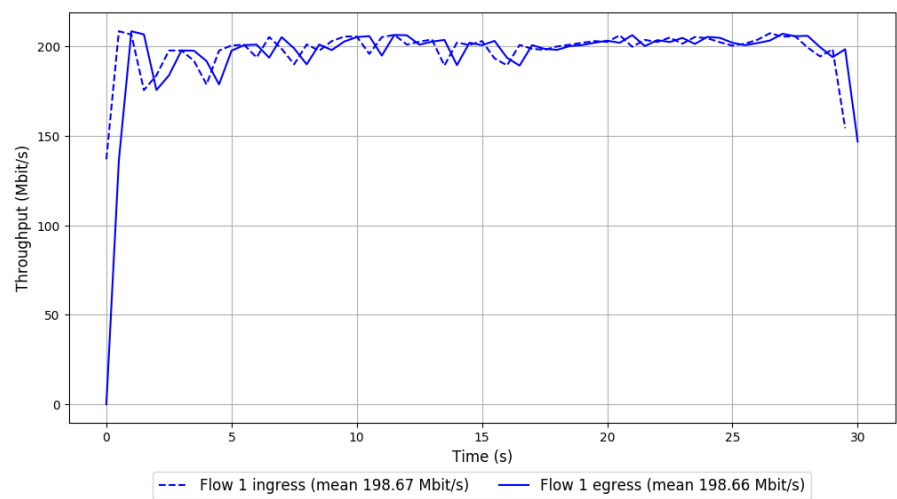


Run 4: Statistics of Indigo

Start at: 2018-08-09 18:51:05
End at: 2018-08-09 18:51:35
Local clock offset: 0.062 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-09 23:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.66 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 198.66 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.07%

Run 4: Report of Indigo — Data Link

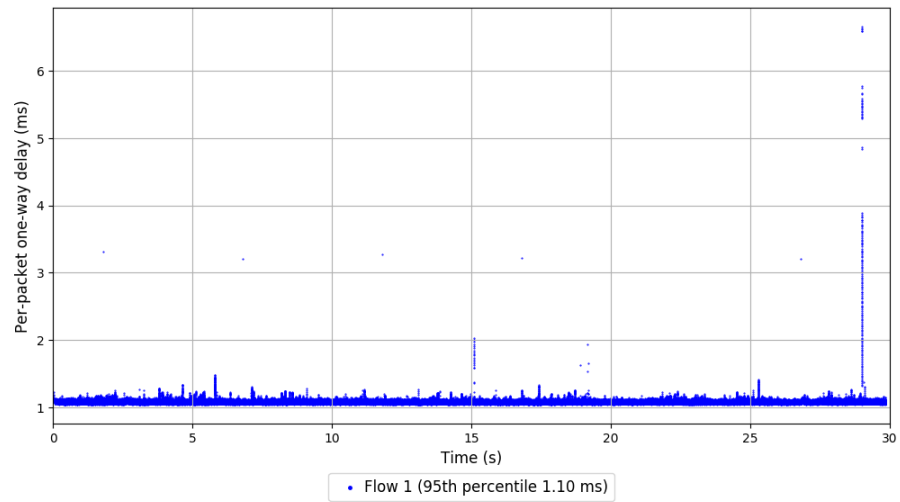
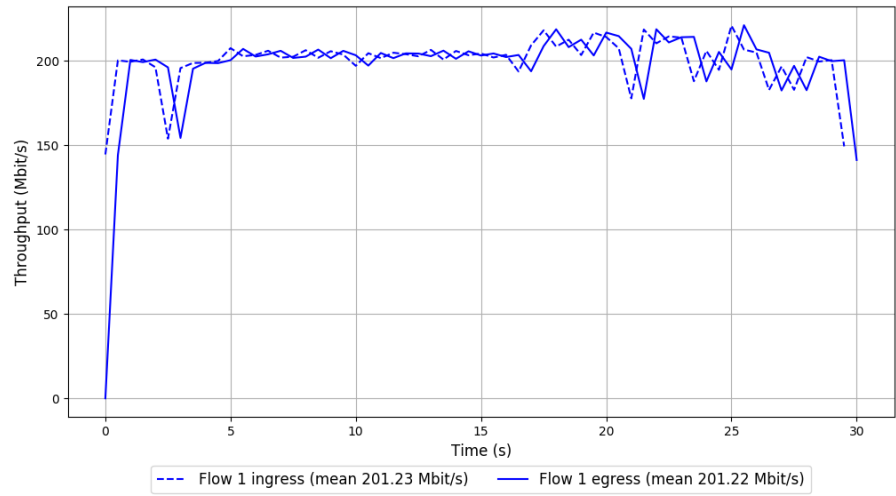


Run 5: Statistics of Indigo

Start at: 2018-08-09 19:17:12
End at: 2018-08-09 19:17:42
Local clock offset: 0.041 ms
Remote clock offset: -0.887 ms

Below is generated by plot.py at 2018-08-09 23:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.22 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 201.22 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.07%

Run 5: Report of Indigo — Data Link

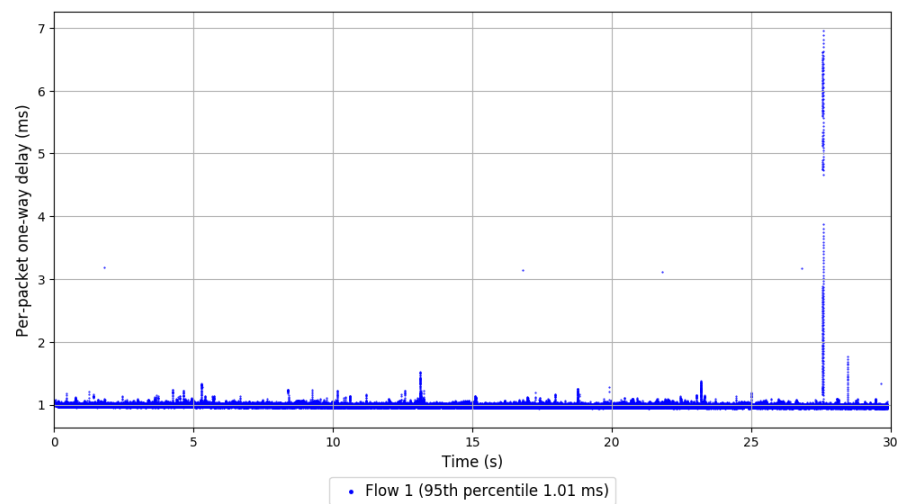
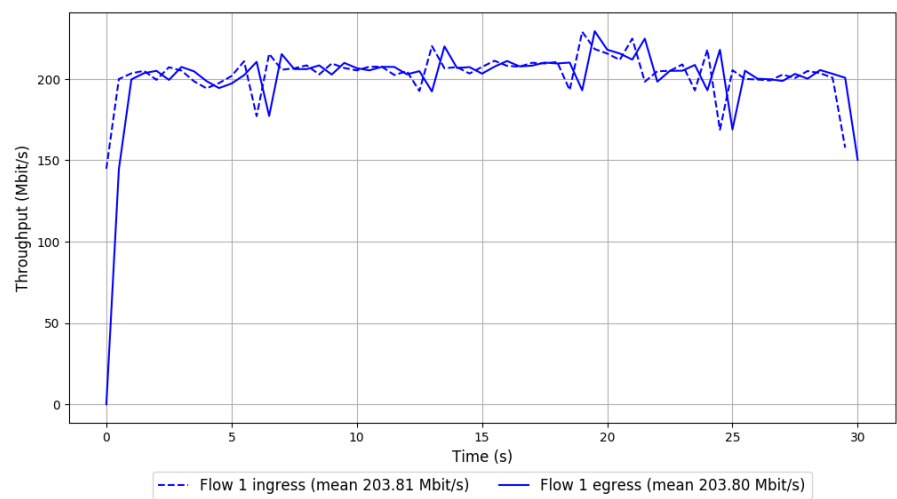


Run 6: Statistics of Indigo

Start at: 2018-08-09 19:42:59
End at: 2018-08-09 19:43:29
Local clock offset: 0.119 ms
Remote clock offset: -1.439 ms

Below is generated by plot.py at 2018-08-09 23:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.80 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 203.80 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.06%

Run 6: Report of Indigo — Data Link

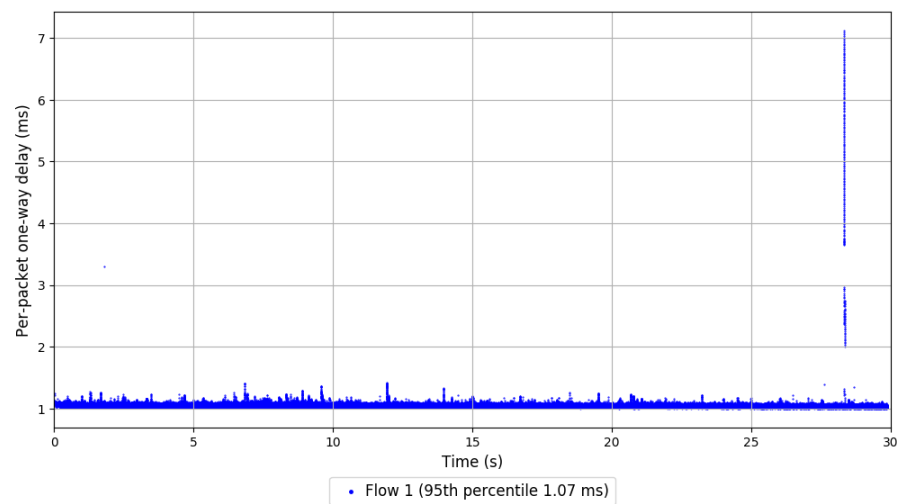
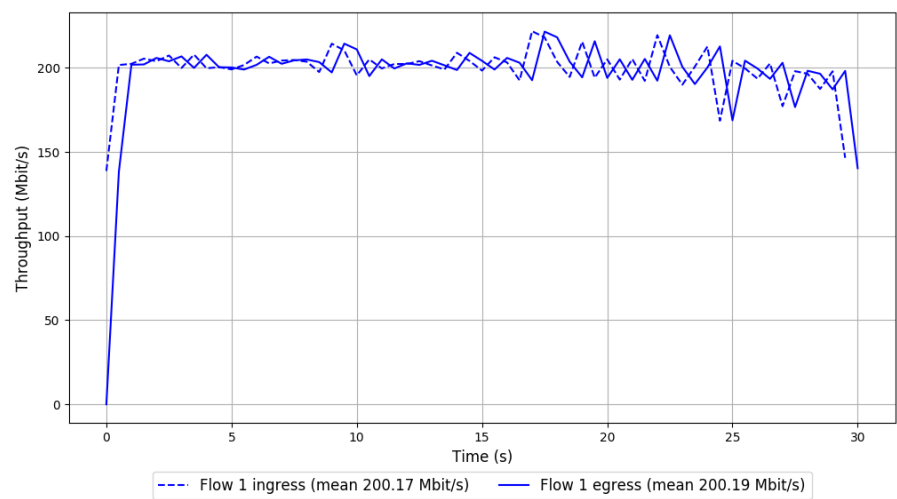


Run 7: Statistics of Indigo

Start at: 2018-08-09 20:08:55
End at: 2018-08-09 20:09:25
Local clock offset: 0.125 ms
Remote clock offset: -2.427 ms

Below is generated by plot.py at 2018-08-09 23:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.19 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 200.19 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.05%

Run 7: Report of Indigo — Data Link

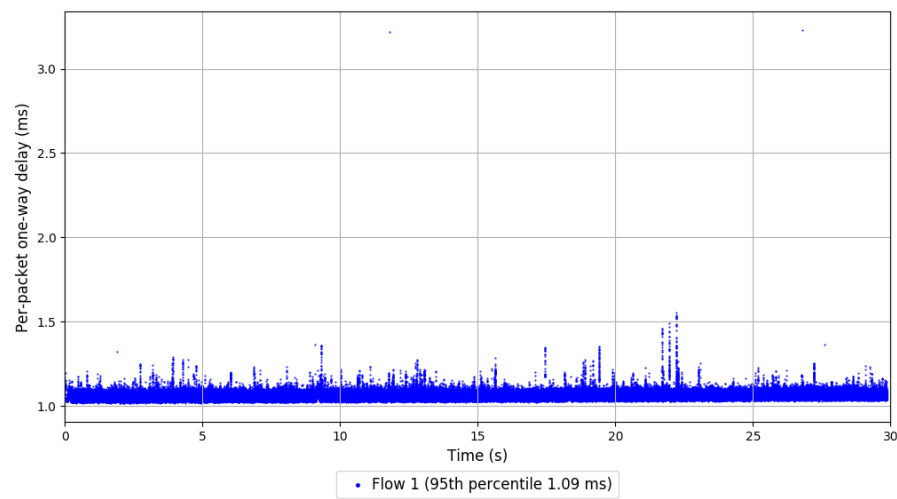
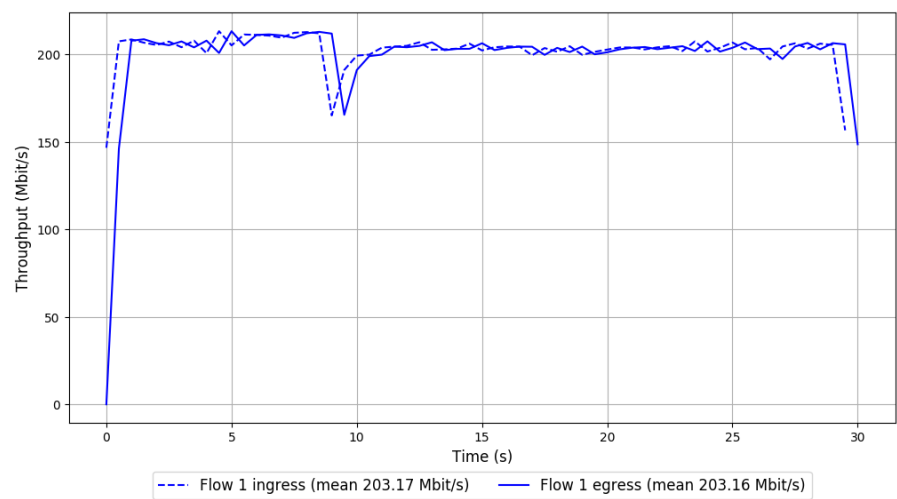


Run 8: Statistics of Indigo

Start at: 2018-08-09 20:34:38
End at: 2018-08-09 20:35:08
Local clock offset: -0.309 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-08-09 23:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.16 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 203.16 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.07%

Run 8: Report of Indigo — Data Link

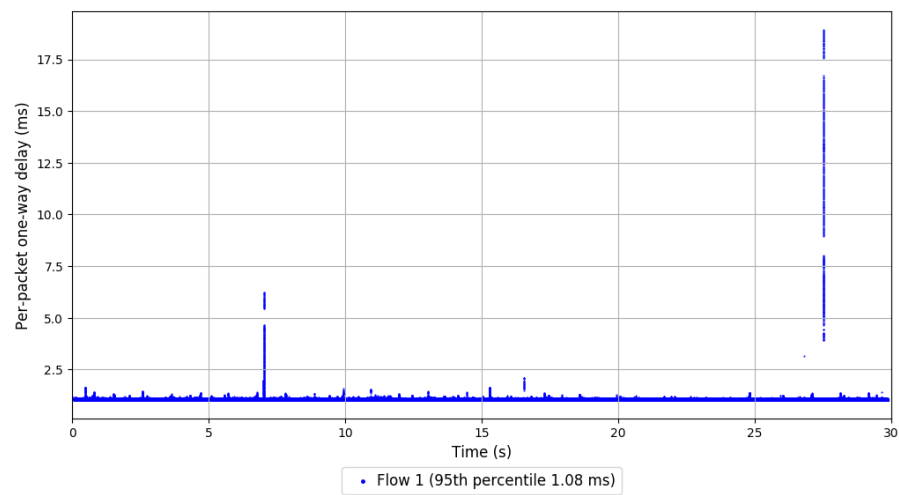
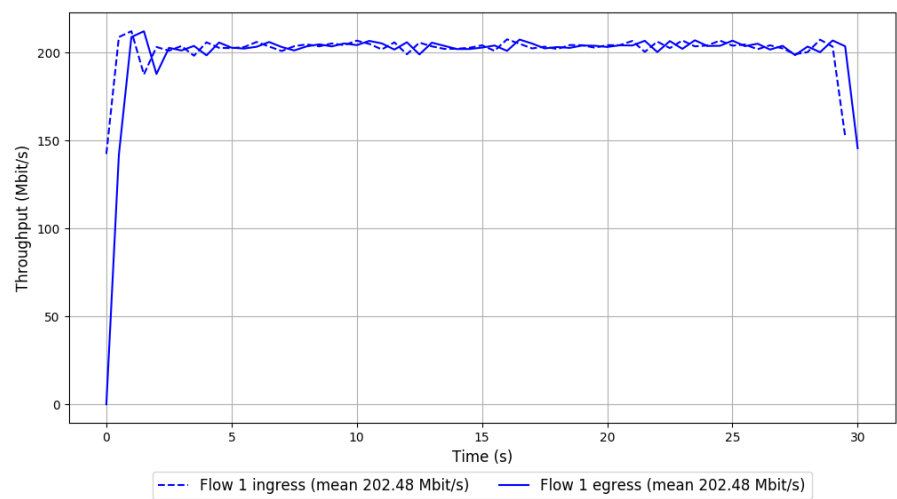


Run 9: Statistics of Indigo

Start at: 2018-08-09 21:00:41
End at: 2018-08-09 21:01:11
Local clock offset: -0.319 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-09 23:01:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.48 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.48 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.06%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-09 21:26:52

End at: 2018-08-09 21:27:22

Local clock offset: -0.031 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-09 23:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.01 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 0.01%

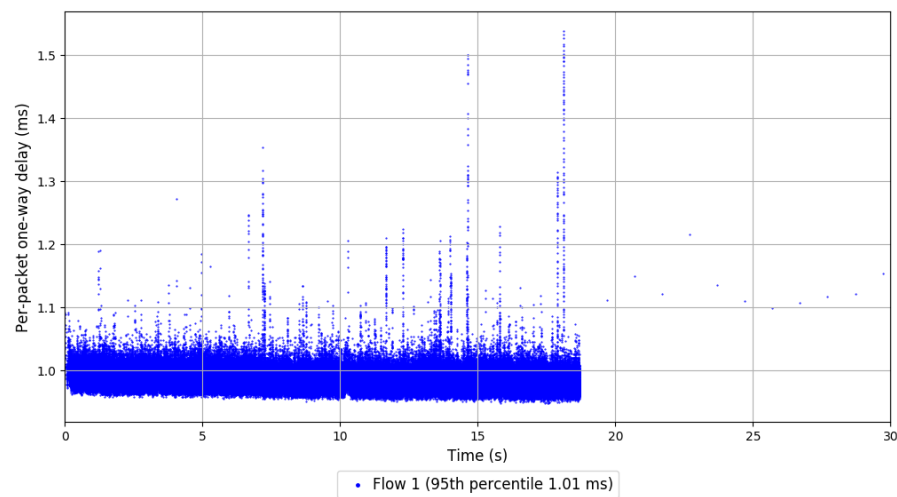
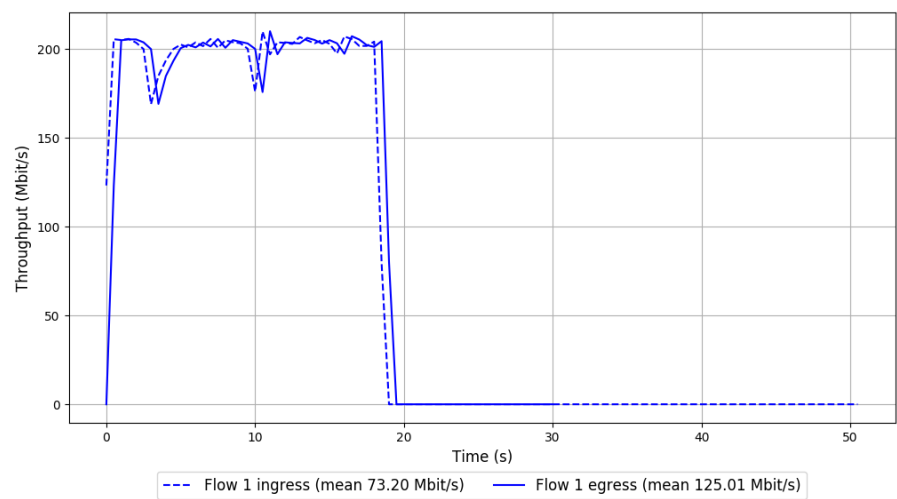
-- Flow 1:

Average throughput: 125.01 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

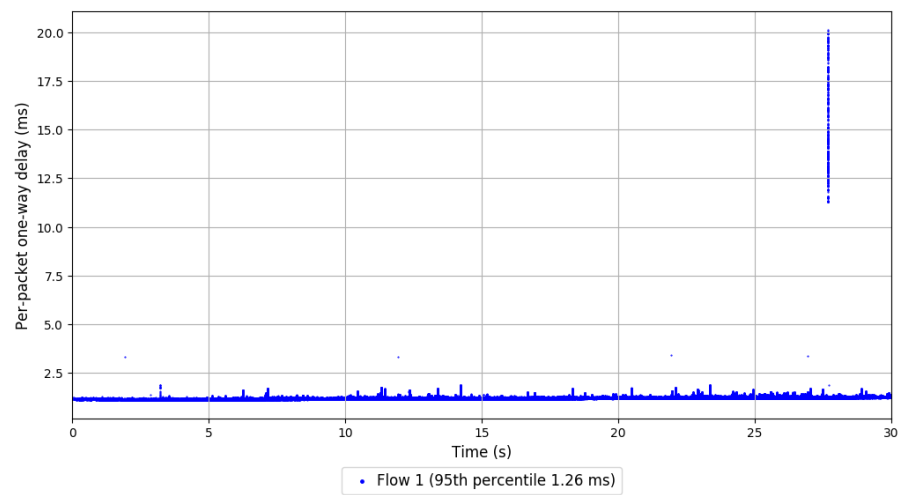
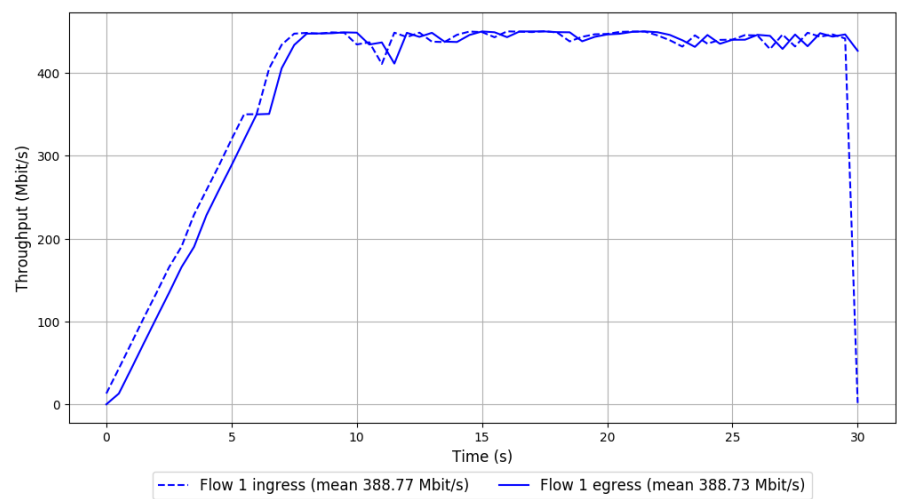


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-09 17:20:47
End at: 2018-08-09 17:21:17
Local clock offset: 2.289 ms
Remote clock offset: -0.663 ms

# Below is generated by plot.py at 2018-08-09 23:01:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.73 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 388.73 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-09 17:46:41

End at: 2018-08-09 17:47:11

Local clock offset: -0.476 ms

Remote clock offset: 0.446 ms

Below is generated by plot.py at 2018-08-09 23:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.50 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.08%

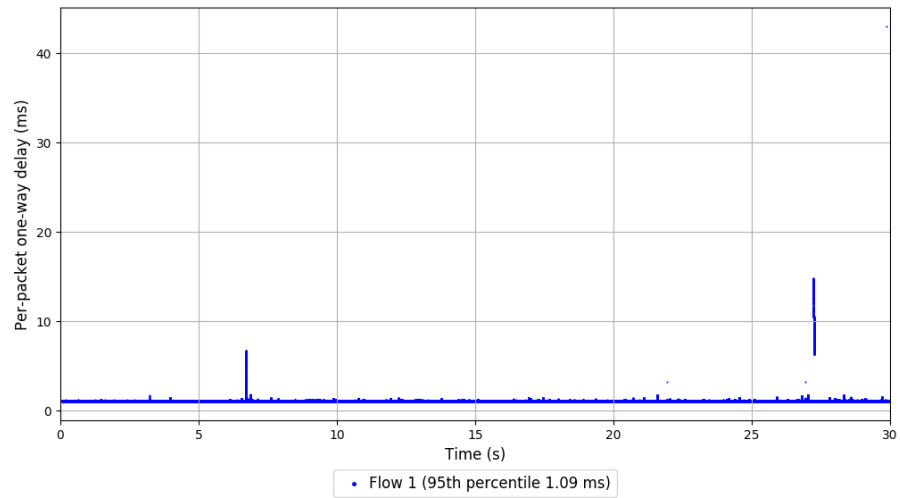
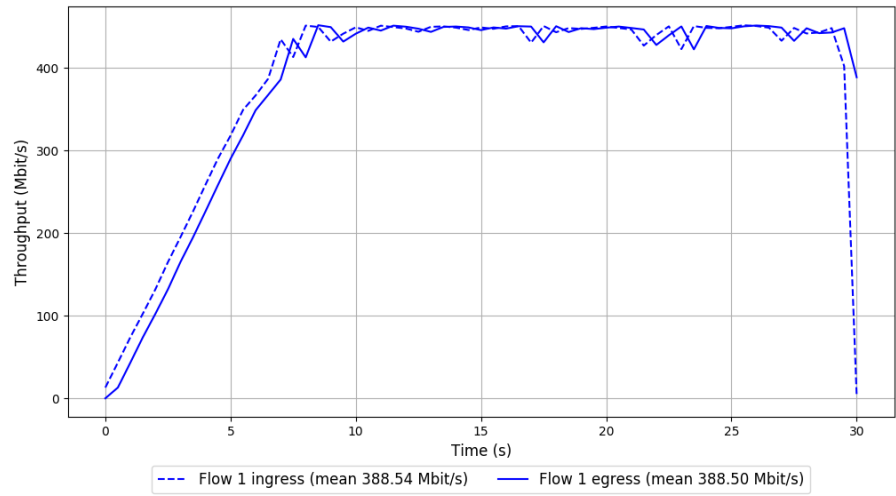
-- Flow 1:

Average throughput: 388.50 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-09 18:12:38

End at: 2018-08-09 18:13:08

Local clock offset: -0.217 ms

Remote clock offset: 3.164 ms

Below is generated by plot.py at 2018-08-09 23:01:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.90 Mbit/s

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

Loss rate: 0.07%

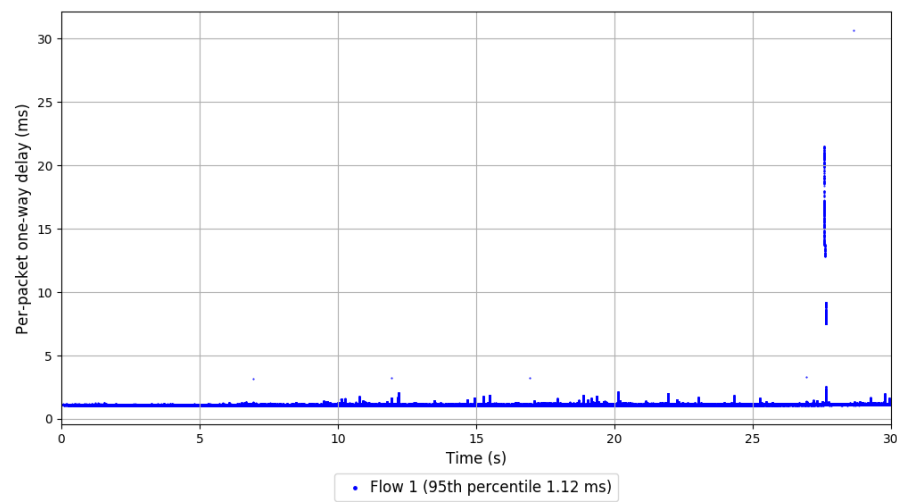
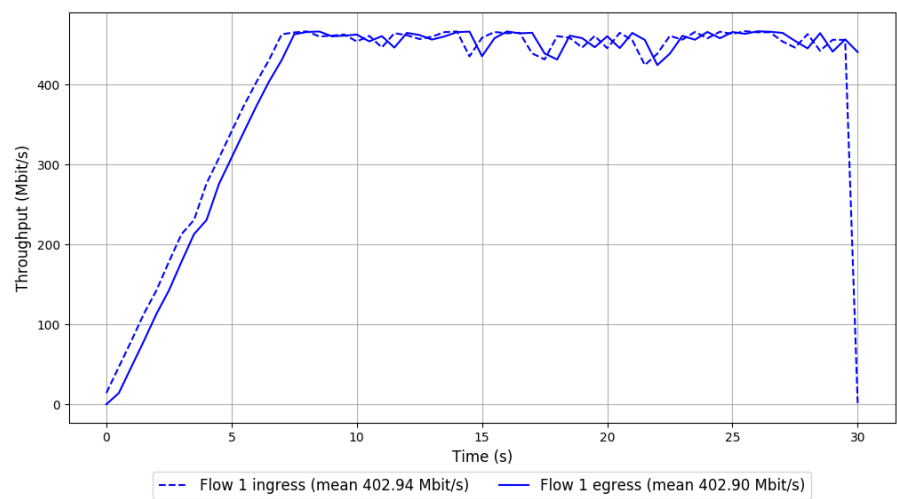
-- Flow 1:

Average throughput: 402.90 Mbit/s

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

Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-09 18:38:29

End at: 2018-08-09 18:38:59

Local clock offset: 0.23 ms

Remote clock offset: 1.964 ms

Below is generated by plot.py at 2018-08-09 23:02:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.01 Mbit/s

95th percentile per-packet one-way delay: 0.965 ms

Loss rate: 0.07%

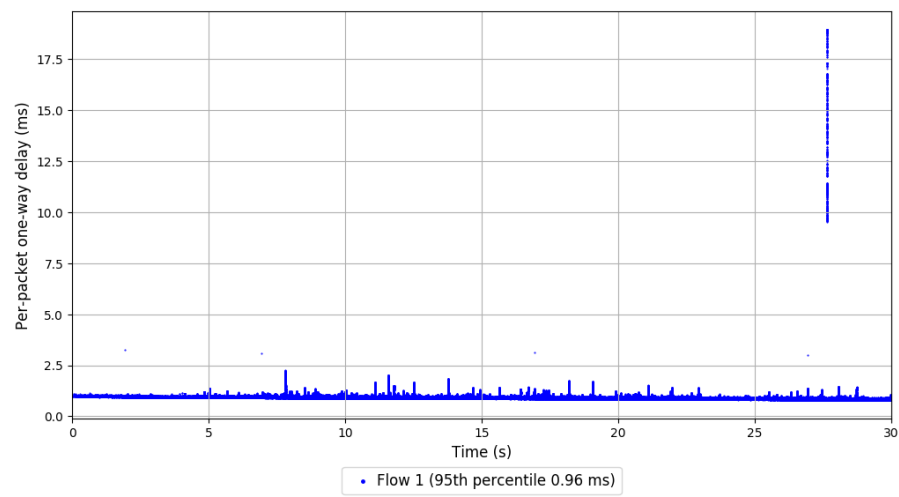
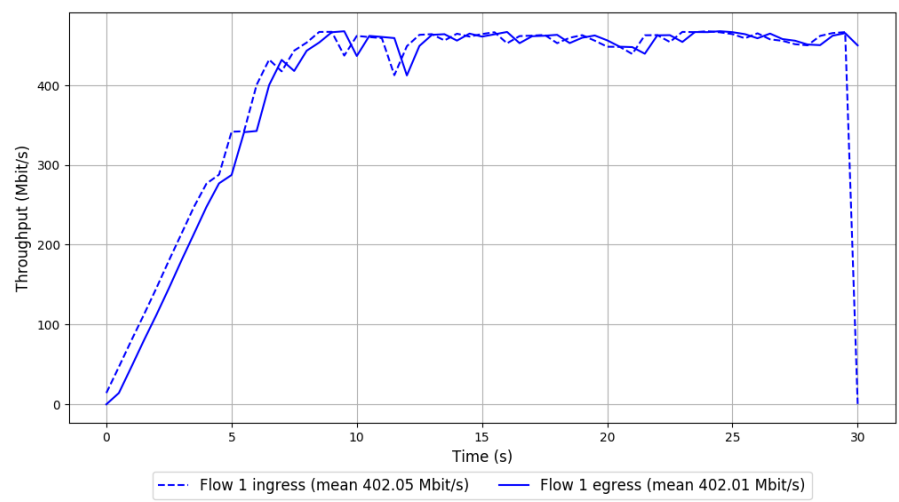
-- Flow 1:

Average throughput: 402.01 Mbit/s

95th percentile per-packet one-way delay: 0.965 ms

Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

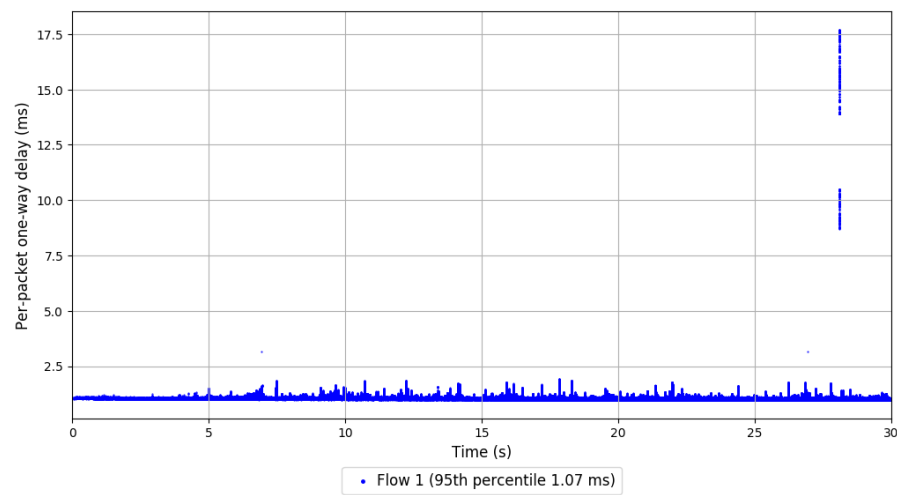
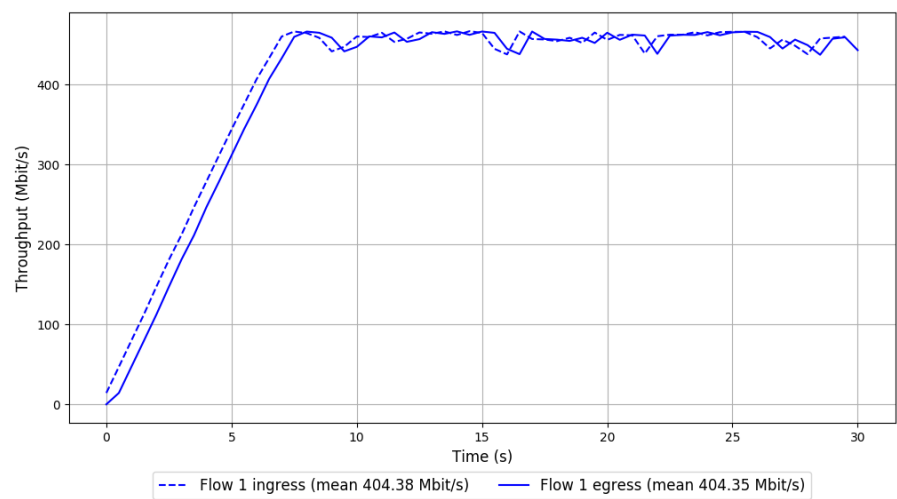


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 19:04:28
End at: 2018-08-09 19:04:58
Local clock offset: 0.024 ms
Remote clock offset: -1.275 ms

Below is generated by plot.py at 2018-08-09 23:04:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 404.35 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 404.35 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

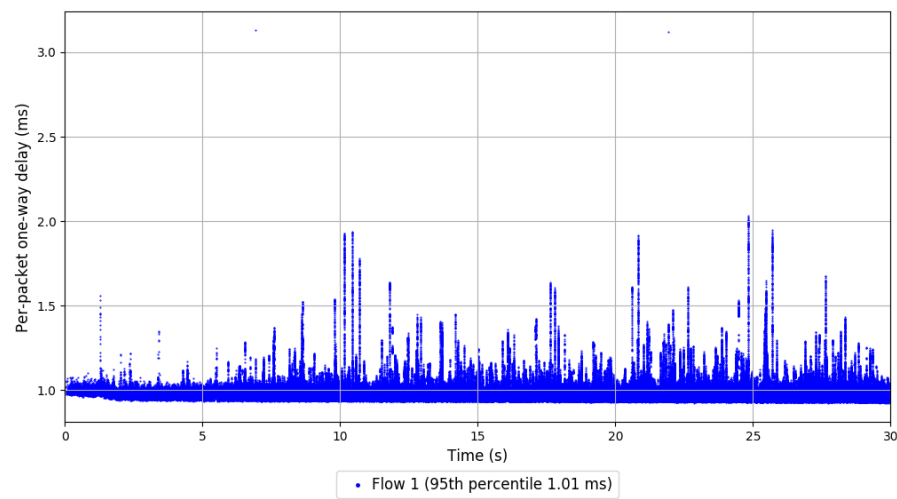
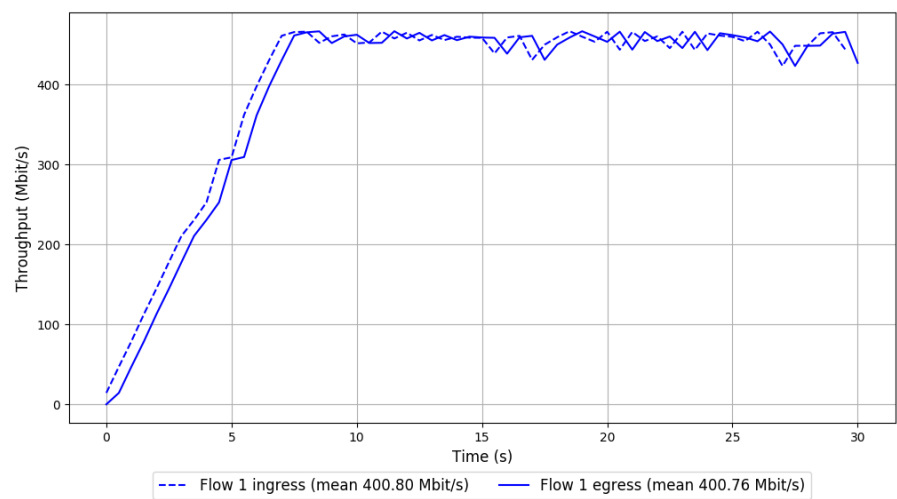


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 19:30:29
End at: 2018-08-09 19:30:59
Local clock offset: -0.037 ms
Remote clock offset: -1.121 ms

Below is generated by plot.py at 2018-08-09 23:05:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 400.76 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 400.76 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.07%

Run 6: Report of LEDBAT — Data Link

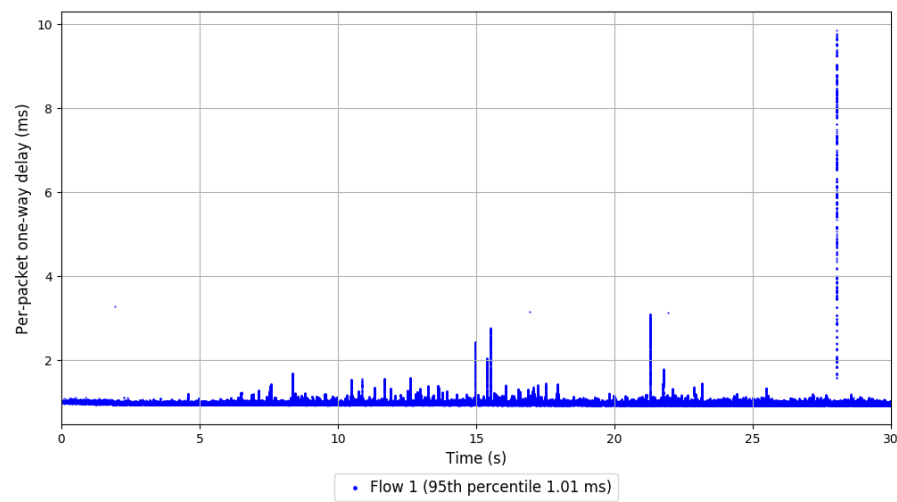
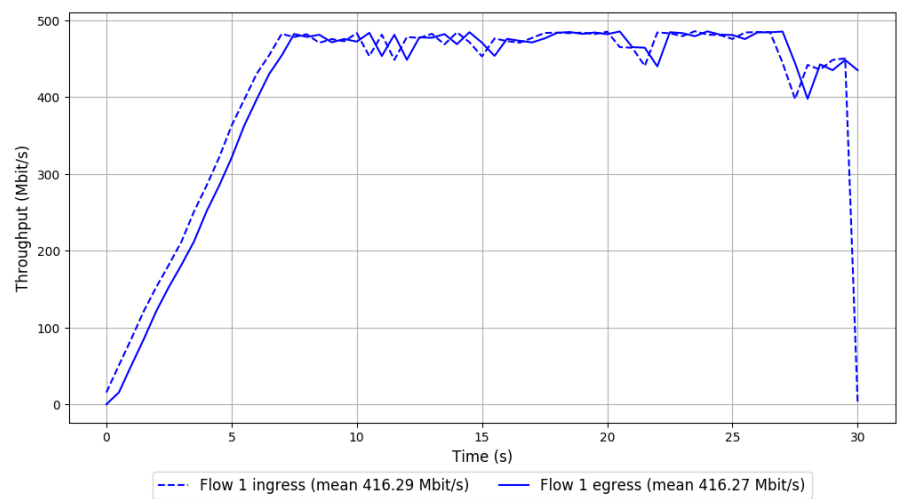


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 19:56:17
End at: 2018-08-09 19:56:47
Local clock offset: -0.025 ms
Remote clock offset: -1.968 ms

Below is generated by plot.py at 2018-08-09 23:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 416.27 Mbit/s
95th percentile per-packet one-way delay: 1.009 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 416.27 Mbit/s
95th percentile per-packet one-way delay: 1.009 ms
Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link

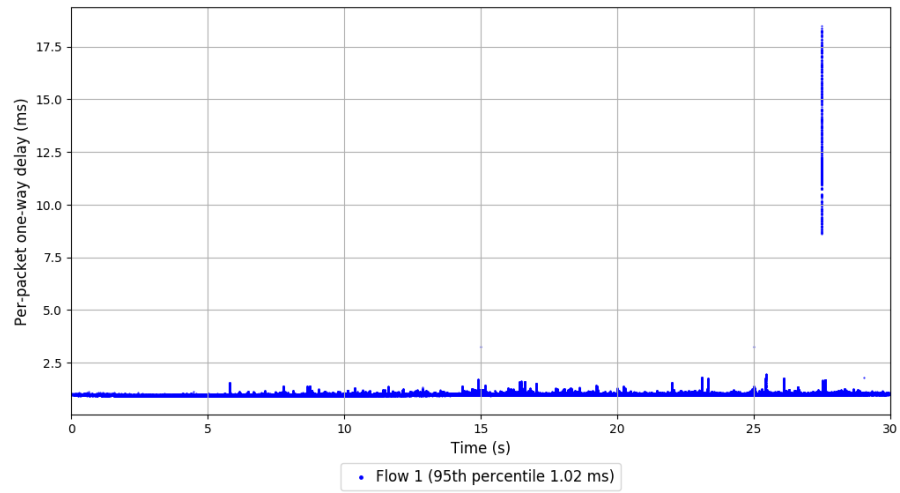
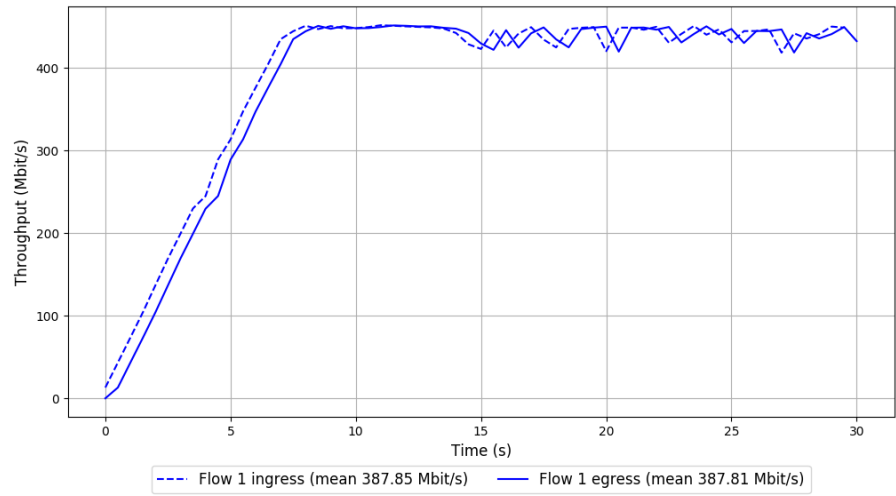


Run 8: Statistics of LEDBAT

Start at: 2018-08-09 20:22:11
End at: 2018-08-09 20:22:41
Local clock offset: -0.196 ms
Remote clock offset: -1.182 ms

Below is generated by plot.py at 2018-08-09 23:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.81 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 387.81 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-09 20:47:54

End at: 2018-08-09 20:48:24

Local clock offset: -0.317 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-08-09 23:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.74 Mbit/s

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

Loss rate: 0.08%

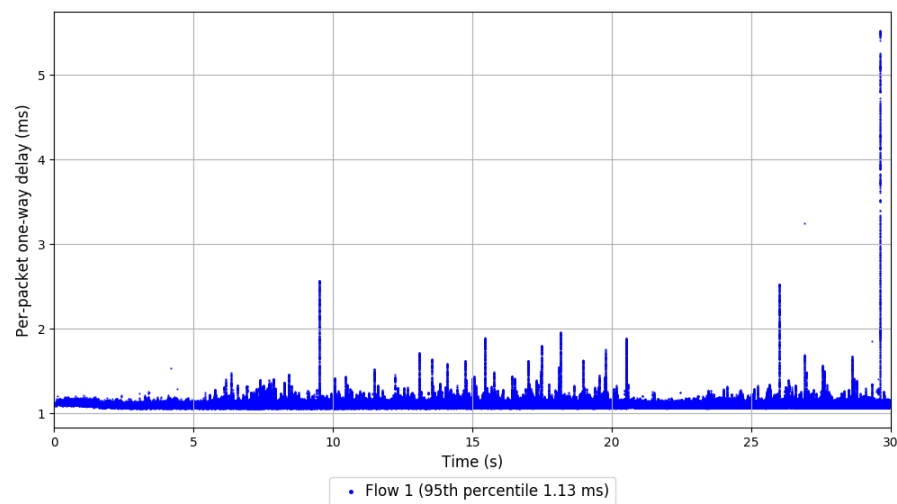
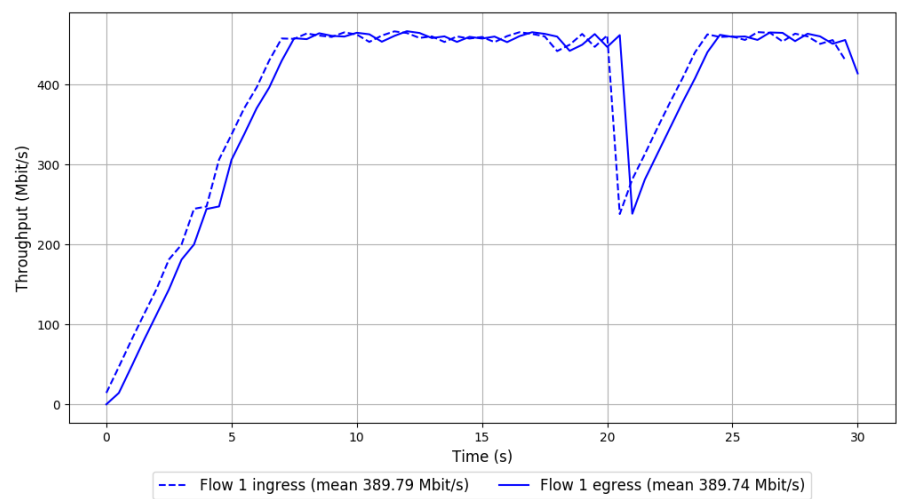
-- Flow 1:

Average throughput: 389.74 Mbit/s

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

Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

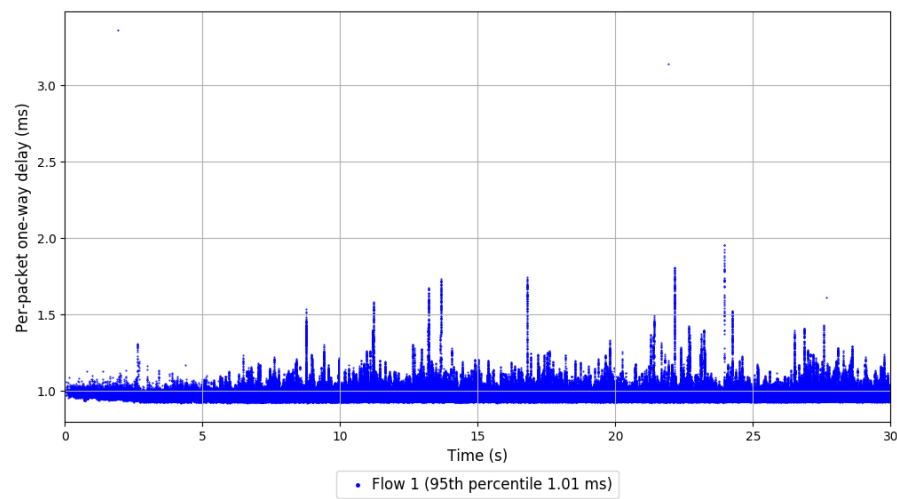
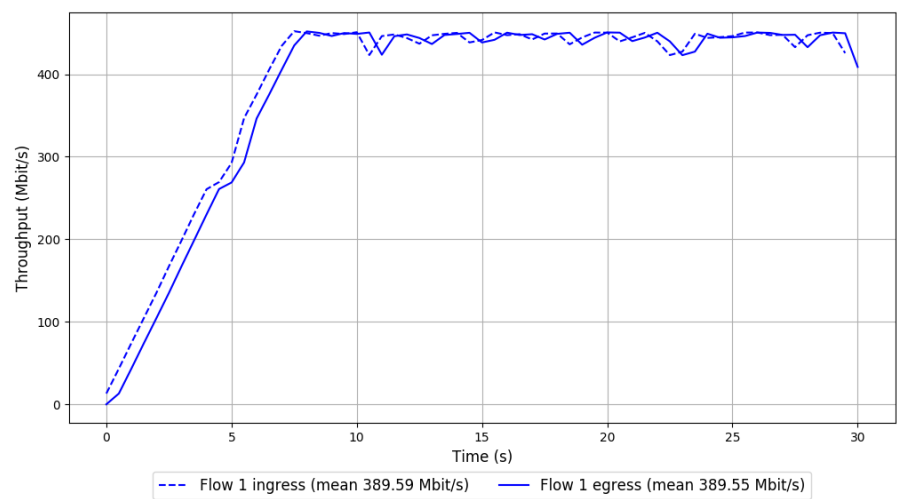


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 21:14:03
End at: 2018-08-09 21:14:33
Local clock offset: -0.377 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-09 23:05:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.55 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 389.55 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

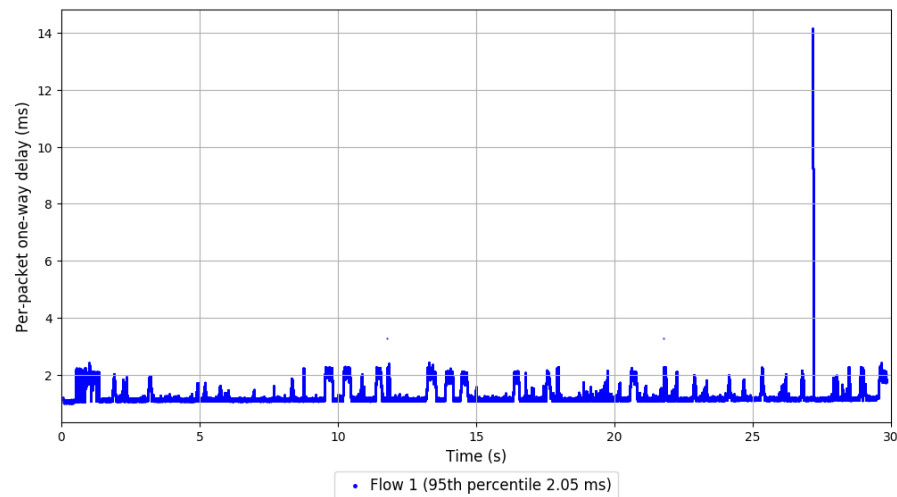
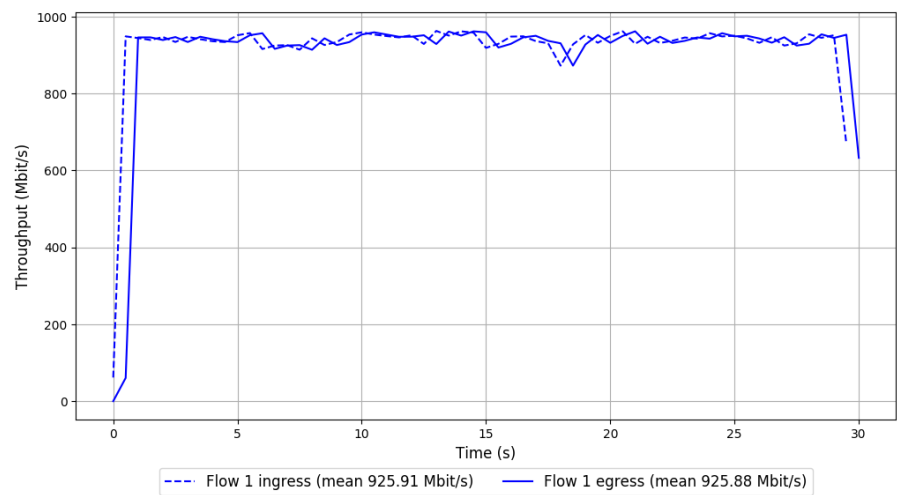


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 17:40:37
End at: 2018-08-09 17:41:07
Local clock offset: -0.288 ms
Remote clock offset: 0.246 ms

# Below is generated by plot.py at 2018-08-09 23:11:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 925.88 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 925.88 Mbit/s
95th percentile per-packet one-way delay: 2.051 ms
Loss rate: 0.07%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 18:06:38

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

Local clock offset: -0.163 ms

Remote clock offset: 2.463 ms

Below is generated by plot.py at 2018-08-09 23:13:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 905.11 Mbit/s

95th percentile per-packet one-way delay: 2.021 ms

Loss rate: 0.07%

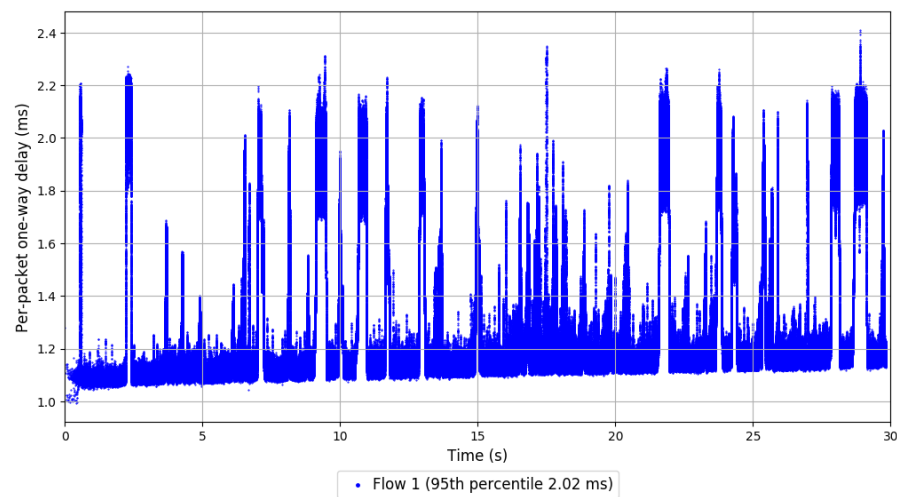
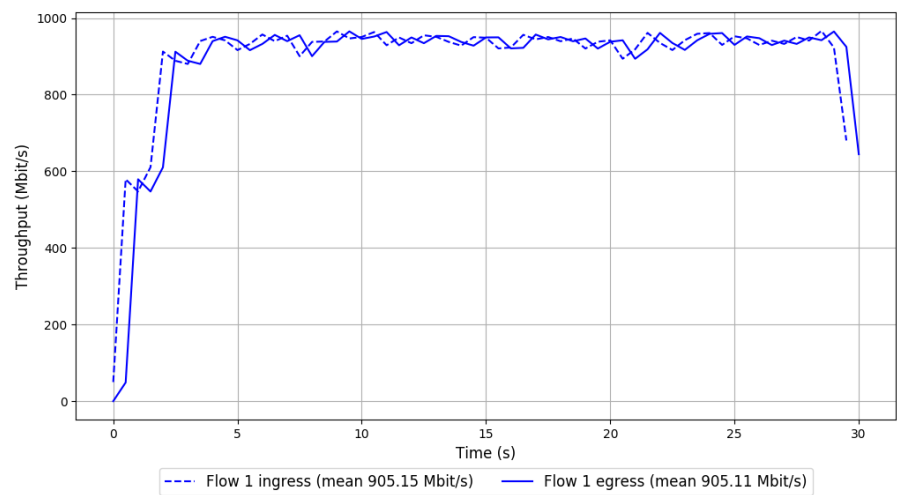
-- Flow 1:

Average throughput: 905.11 Mbit/s

95th percentile per-packet one-way delay: 2.021 ms

Loss rate: 0.07%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 18:32:30

End at: 2018-08-09 18:33:00

Local clock offset: 0.183 ms

Remote clock offset: 4.433 ms

Below is generated by plot.py at 2018-08-09 23:15:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 916.39 Mbit/s

95th percentile per-packet one-way delay: 1.754 ms

Loss rate: 0.07%

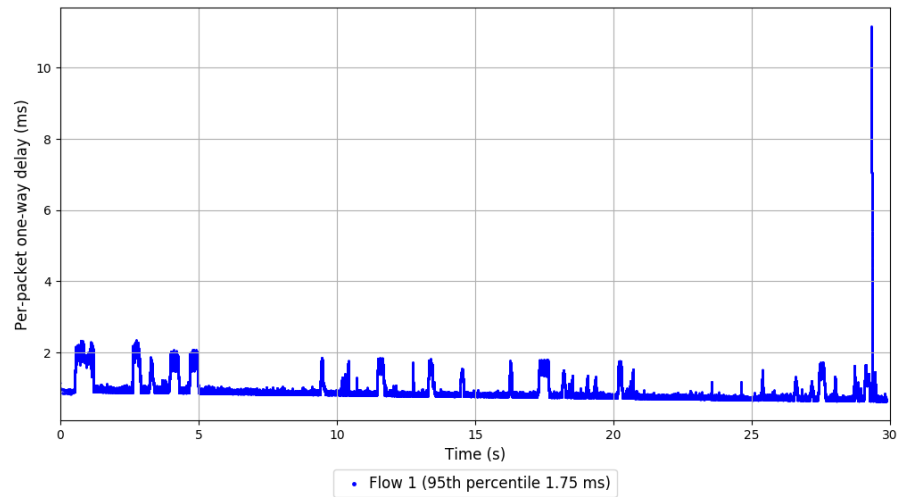
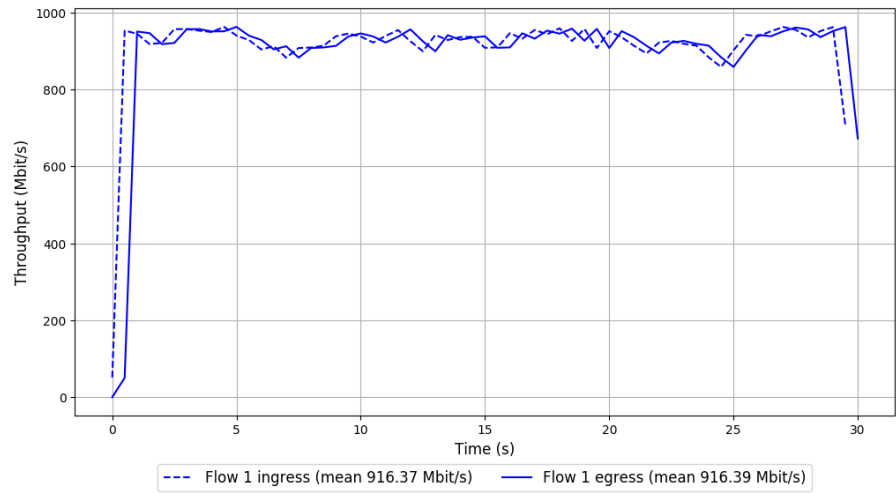
-- Flow 1:

Average throughput: 916.39 Mbit/s

95th percentile per-packet one-way delay: 1.754 ms

Loss rate: 0.07%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 18:58:28

End at: 2018-08-09 18:58:58

Local clock offset: -0.019 ms

Remote clock offset: -0.897 ms

Below is generated by plot.py at 2018-08-09 23:15:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 927.38 Mbit/s

95th percentile per-packet one-way delay: 1.988 ms

Loss rate: 0.06%

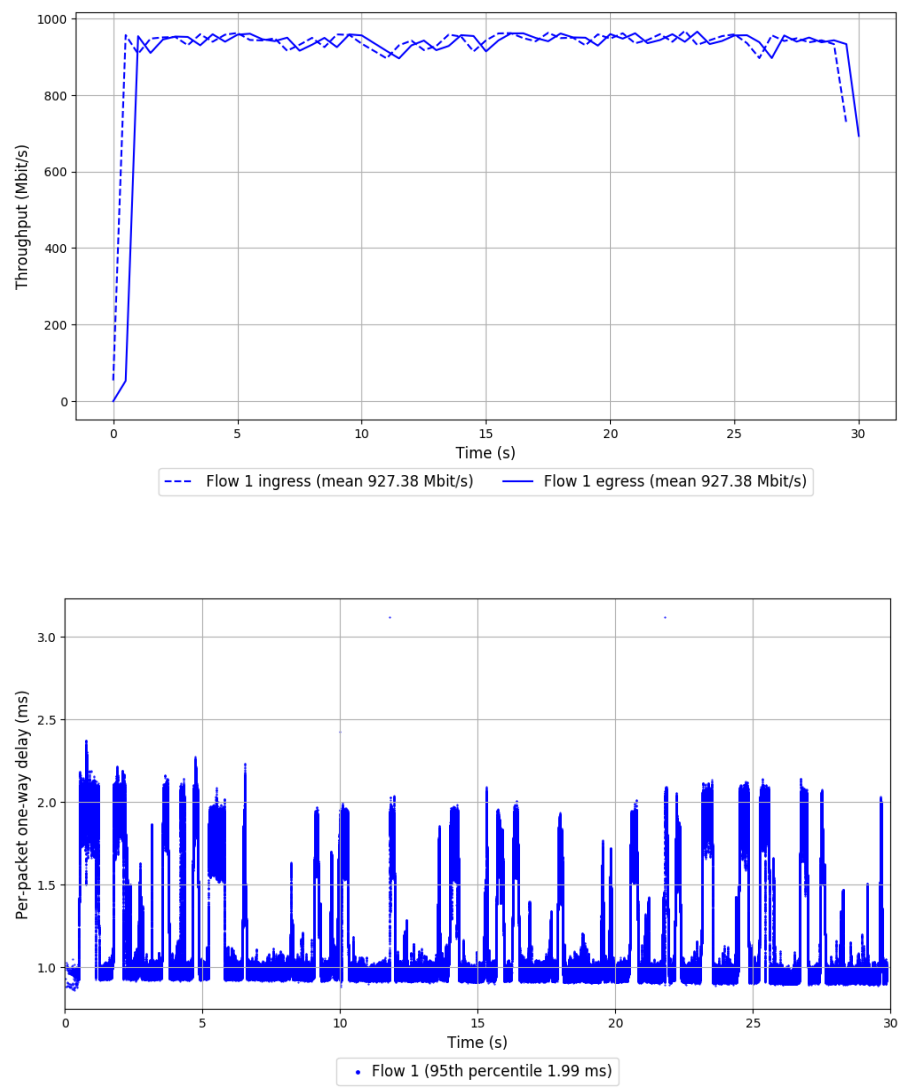
-- Flow 1:

Average throughput: 927.38 Mbit/s

95th percentile per-packet one-way delay: 1.988 ms

Loss rate: 0.06%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 19:24:30

End at: 2018-08-09 19:25:00

Local clock offset: 0.025 ms

Remote clock offset: -0.982 ms

Below is generated by plot.py at 2018-08-09 23:15:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 903.12 Mbit/s

95th percentile per-packet one-way delay: 2.550 ms

Loss rate: 0.08%

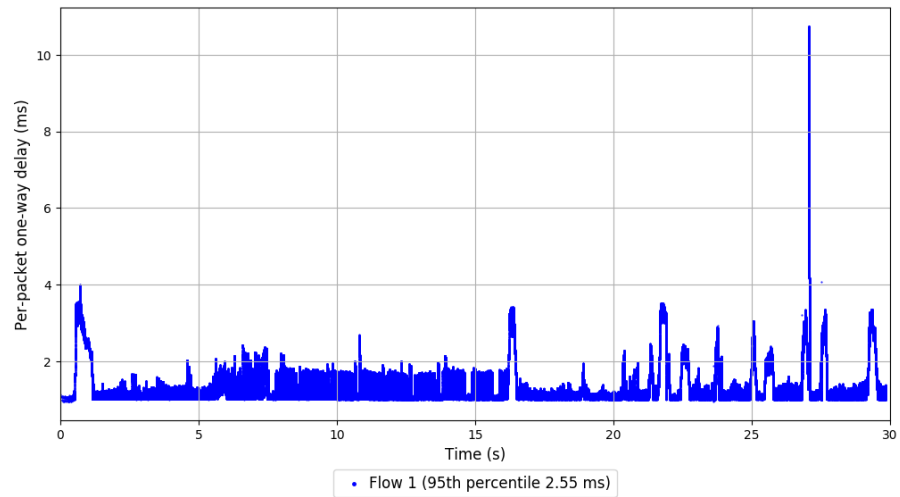
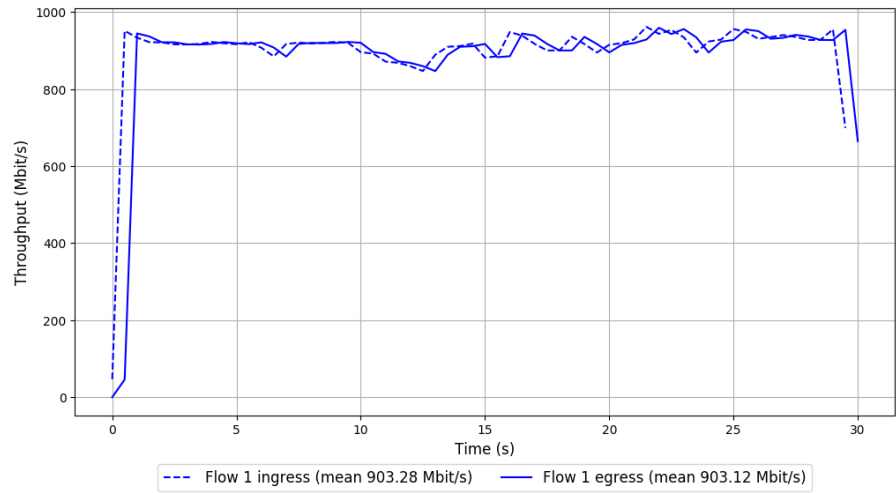
-- Flow 1:

Average throughput: 903.12 Mbit/s

95th percentile per-packet one-way delay: 2.550 ms

Loss rate: 0.08%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 19:50:18

End at: 2018-08-09 19:50:48

Local clock offset: -0.01 ms

Remote clock offset: -1.711 ms

Below is generated by plot.py at 2018-08-09 23:15:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 874.21 Mbit/s

95th percentile per-packet one-way delay: 1.843 ms

Loss rate: 0.07%

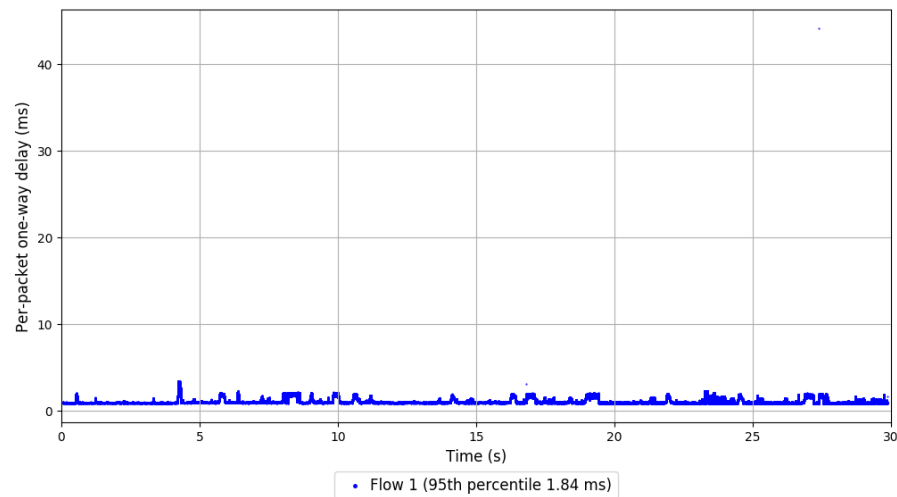
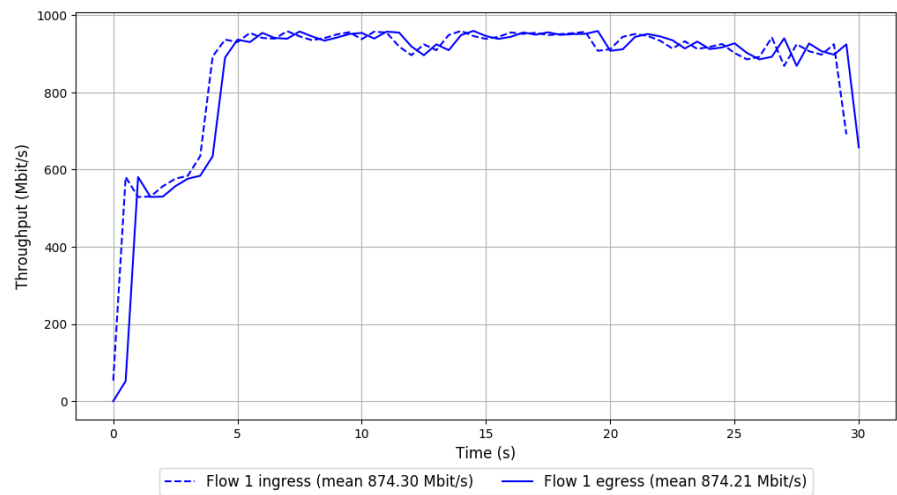
-- Flow 1:

Average throughput: 874.21 Mbit/s

95th percentile per-packet one-way delay: 1.843 ms

Loss rate: 0.07%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 20:16:12

End at: 2018-08-09 20:16:42

Local clock offset: 0.174 ms

Remote clock offset: -2.326 ms

Below is generated by plot.py at 2018-08-09 23:15:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 881.59 Mbit/s

95th percentile per-packet one-way delay: 2.307 ms

Loss rate: 0.49%

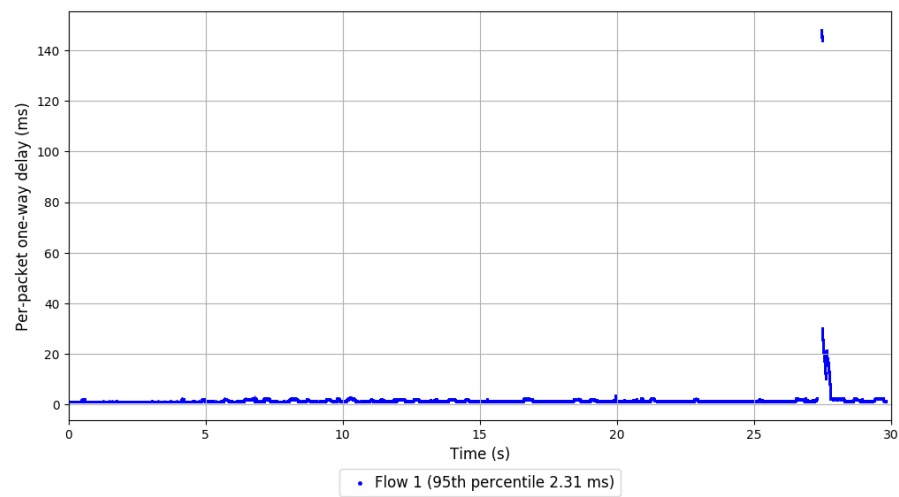
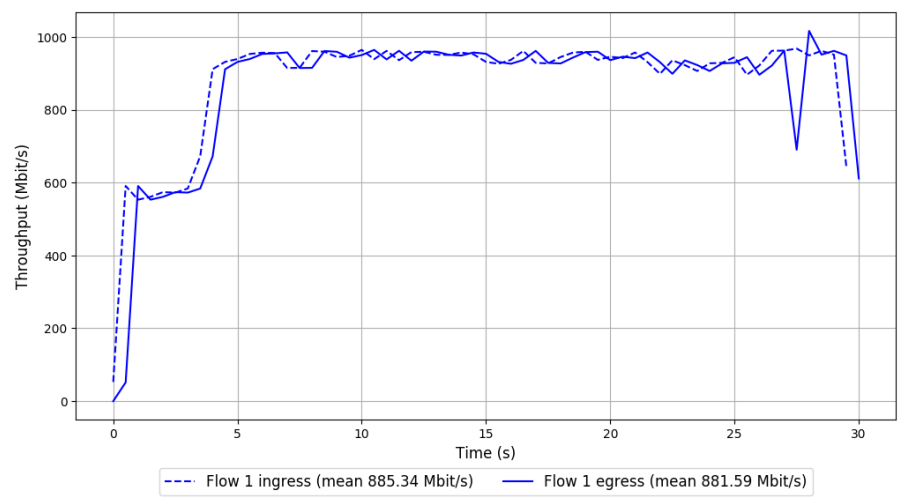
-- Flow 1:

Average throughput: 881.59 Mbit/s

95th percentile per-packet one-way delay: 2.307 ms

Loss rate: 0.49%

Run 7: Report of PCC-Allegro — Data Link

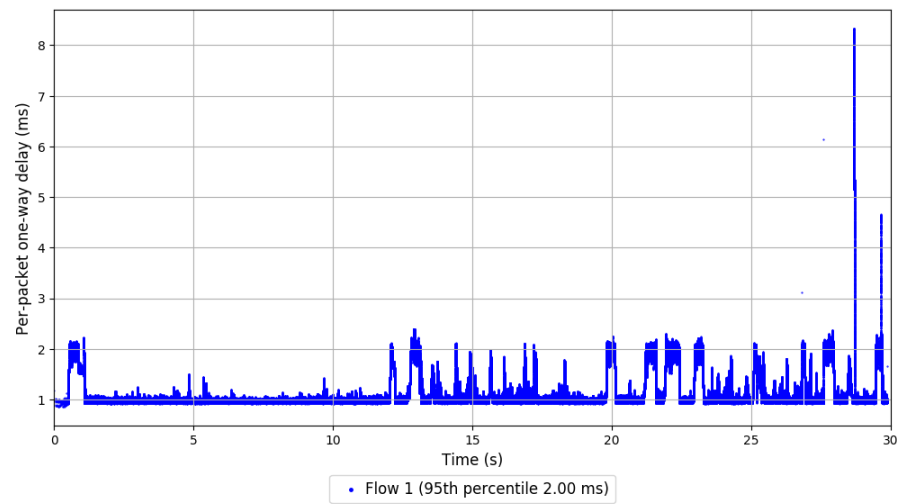
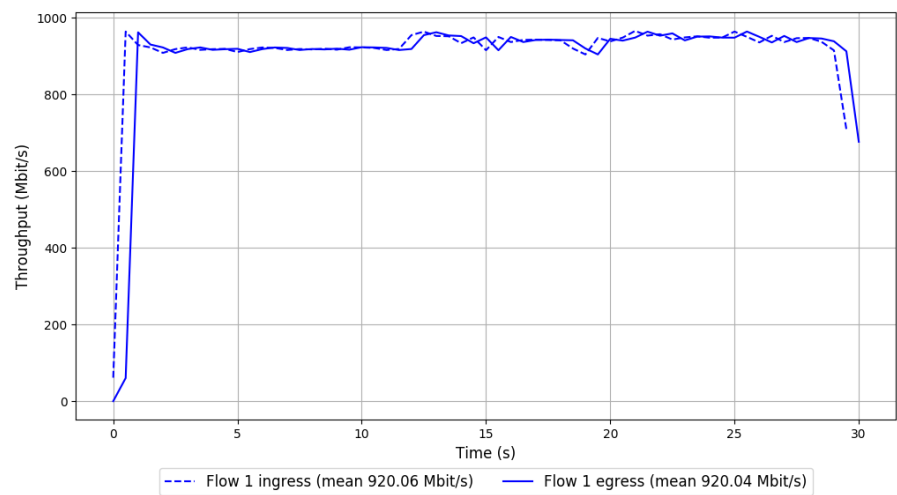


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 20:41:55
End at: 2018-08-09 20:42:25
Local clock offset: -0.403 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-08-09 23:16:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 920.04 Mbit/s
95th percentile per-packet one-way delay: 2.004 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 920.04 Mbit/s
95th percentile per-packet one-way delay: 2.004 ms
Loss rate: 0.07%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 21:08:02

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

Local clock offset: -0.309 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-09 23:23:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 926.73 Mbit/s

95th percentile per-packet one-way delay: 2.011 ms

Loss rate: 0.07%

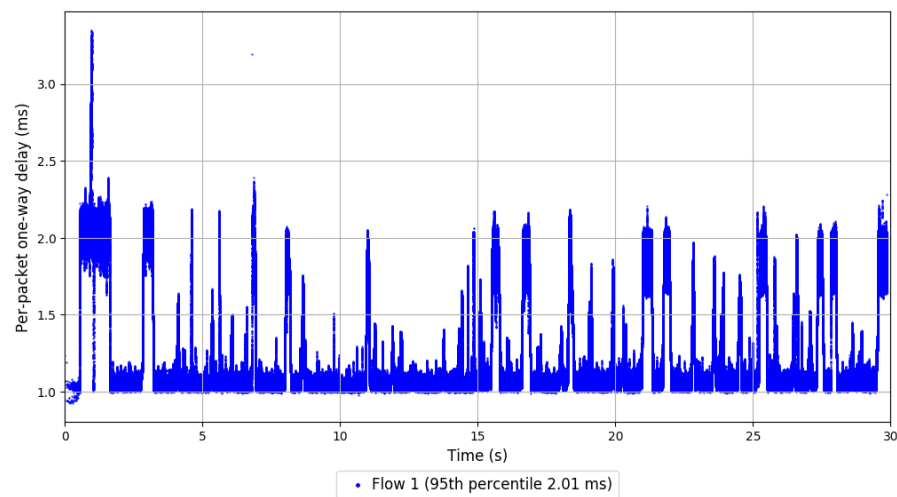
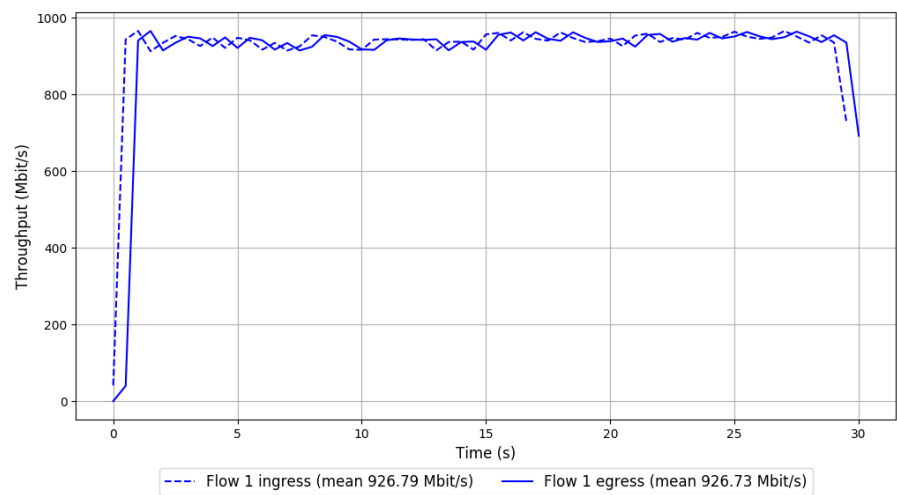
-- Flow 1:

Average throughput: 926.73 Mbit/s

95th percentile per-packet one-way delay: 2.011 ms

Loss rate: 0.07%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 21:34:39

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

Local clock offset: -0.105 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-08-09 23:23:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 918.33 Mbit/s

95th percentile per-packet one-way delay: 1.981 ms

Loss rate: 0.07%

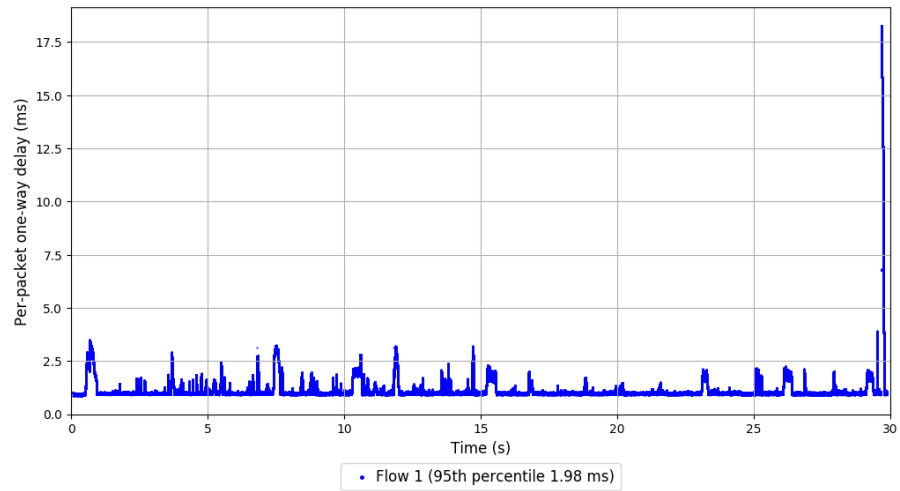
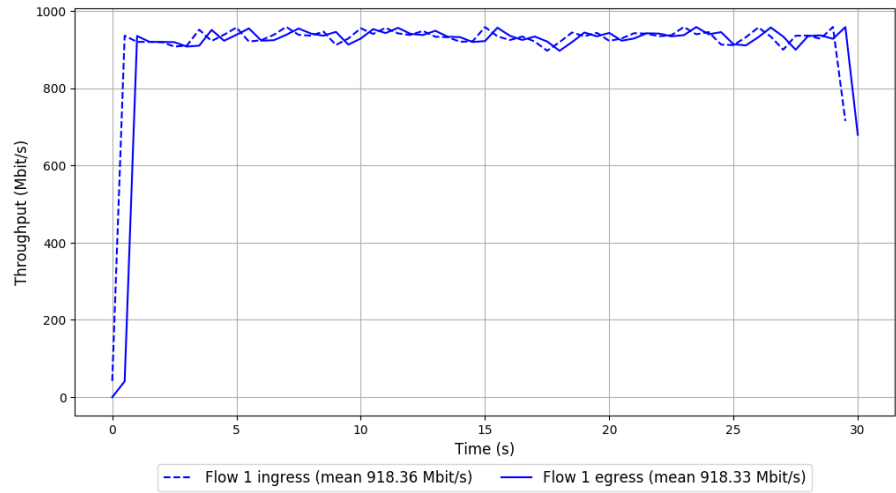
-- Flow 1:

Average throughput: 918.33 Mbit/s

95th percentile per-packet one-way delay: 1.981 ms

Loss rate: 0.07%

Run 10: Report of PCC-Allegro — Data Link

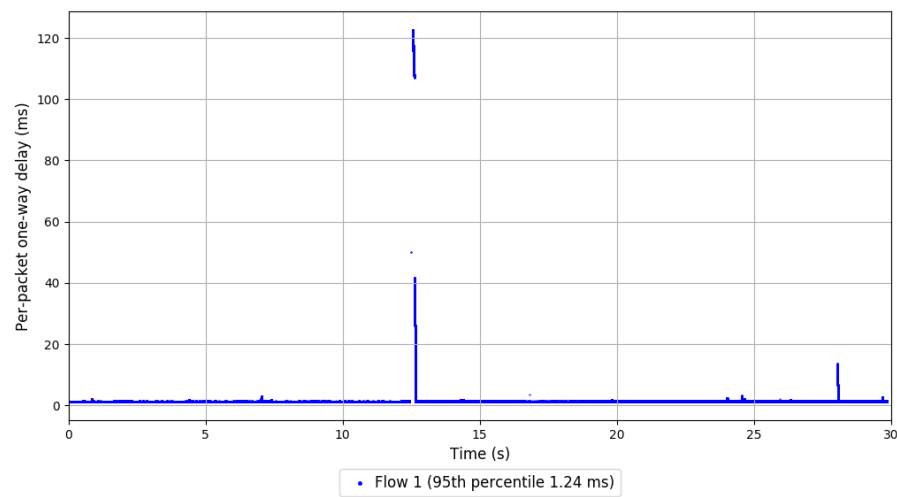
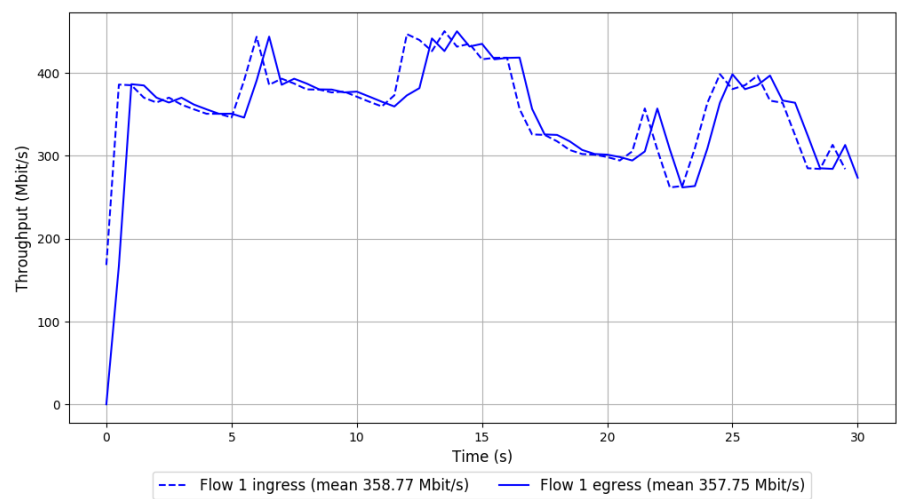


Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 17:25:35
End at: 2018-08-09 17:26:05
Local clock offset: 1.205 ms
Remote clock offset: -0.541 ms

Below is generated by plot.py at 2018-08-09 23:23:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.75 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 357.75 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.35%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 17:51:29

End at: 2018-08-09 17:51:59

Local clock offset: -0.356 ms

Remote clock offset: 0.689 ms

Below is generated by plot.py at 2018-08-09 23:23:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 372.45 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.05%

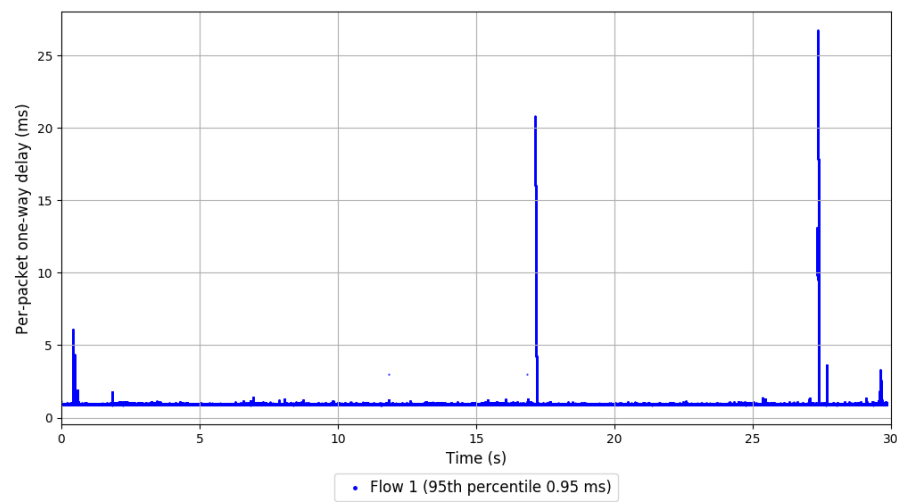
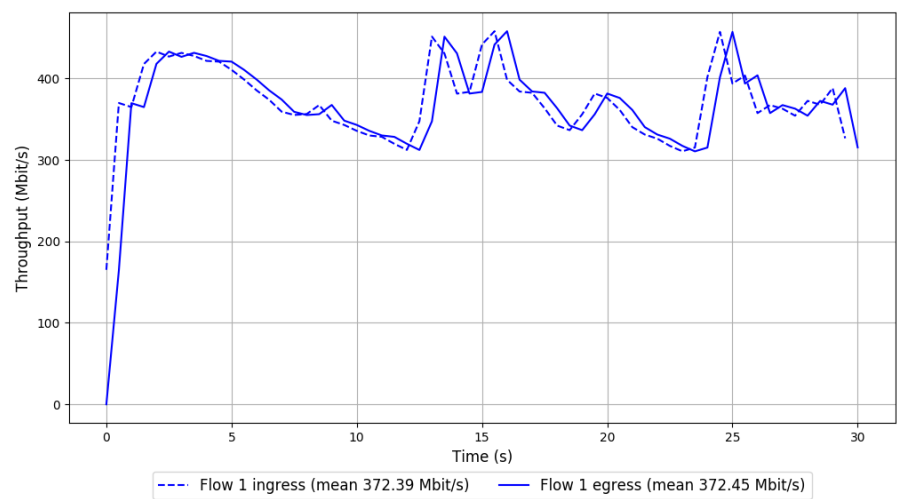
-- Flow 1:

Average throughput: 372.45 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.05%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 18:17:27

End at: 2018-08-09 18:17:57

Local clock offset: -0.264 ms

Remote clock offset: 3.541 ms

Below is generated by plot.py at 2018-08-09 23:23:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.44 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.07%

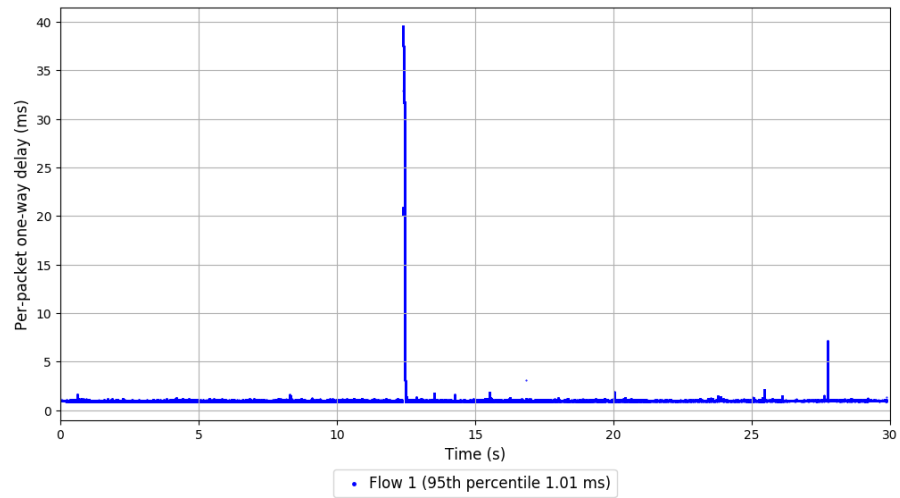
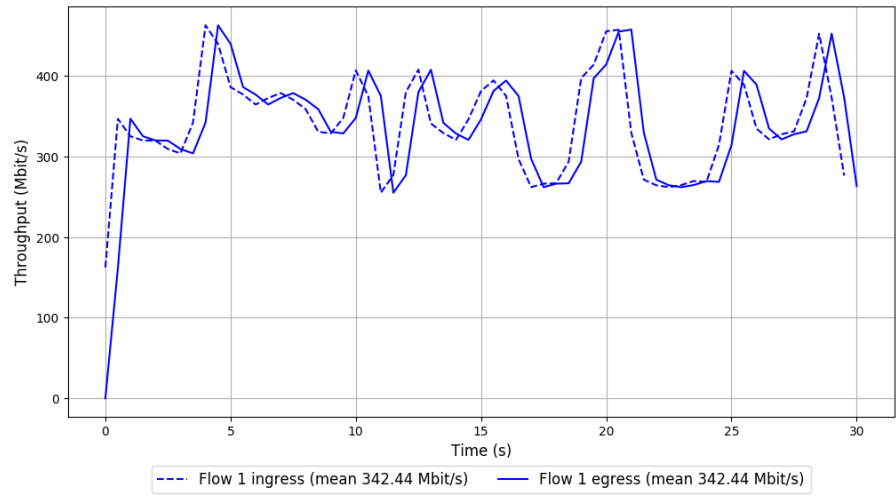
-- Flow 1:

Average throughput: 342.44 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.07%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 18:43:16

End at: 2018-08-09 18:43:46

Local clock offset: 0.165 ms

Remote clock offset: 0.805 ms

Below is generated by plot.py at 2018-08-09 23:23:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.99 Mbit/s

95th percentile per-packet one-way delay: 0.943 ms

Loss rate: 0.06%

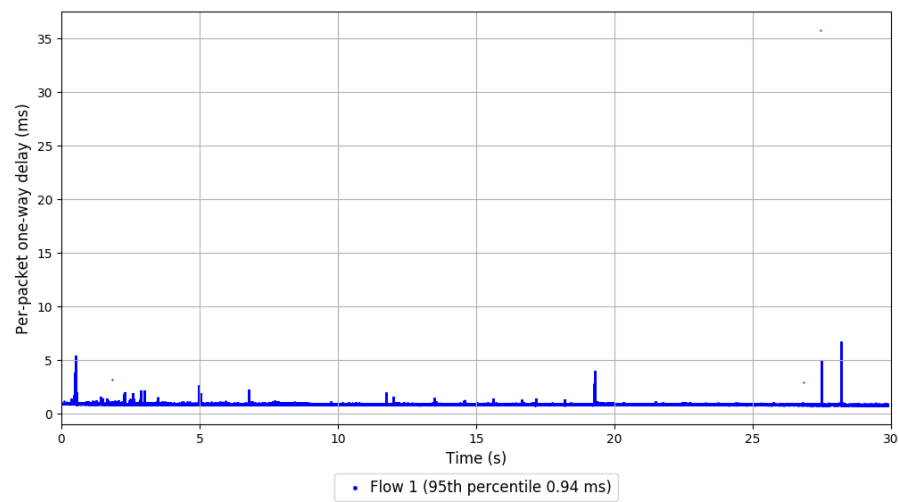
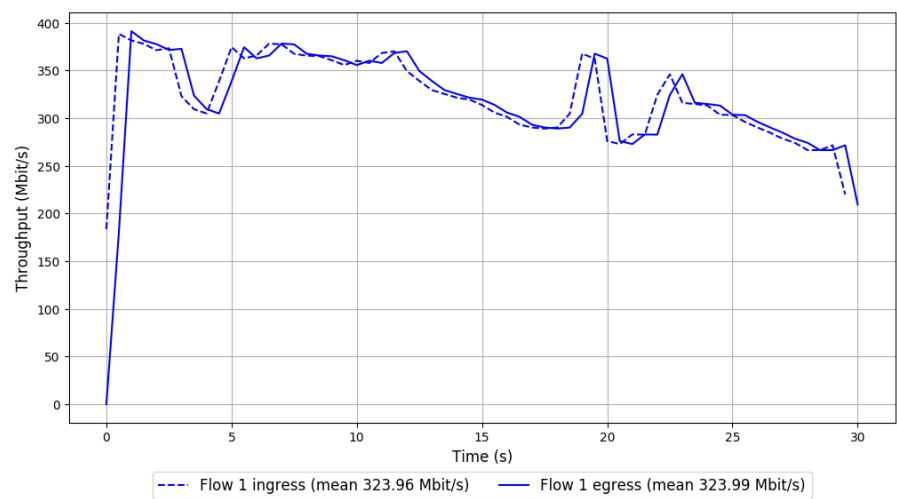
-- Flow 1:

Average throughput: 323.99 Mbit/s

95th percentile per-packet one-way delay: 0.943 ms

Loss rate: 0.06%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 19:09:16

End at: 2018-08-09 19:09:46

Local clock offset: 0.036 ms

Remote clock offset: -1.087 ms

Below is generated by plot.py at 2018-08-09 23:23:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.58 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.06%

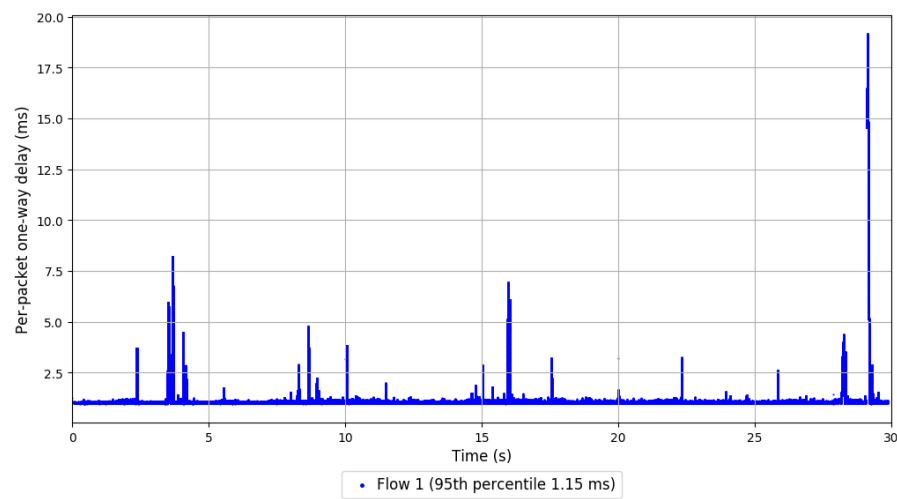
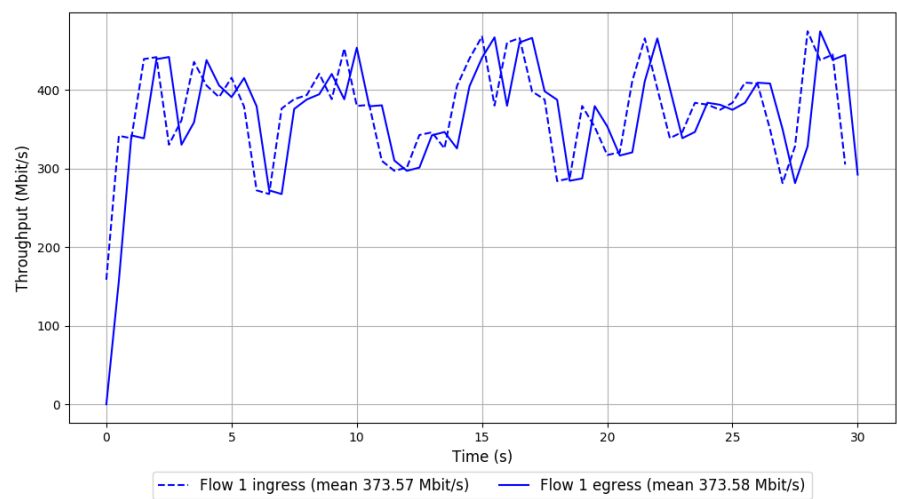
-- Flow 1:

Average throughput: 373.58 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.06%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 19:35:16

End at: 2018-08-09 19:35:46

Local clock offset: -0.025 ms

Remote clock offset: -1.2 ms

Below is generated by plot.py at 2018-08-09 23:24:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.79 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.05%

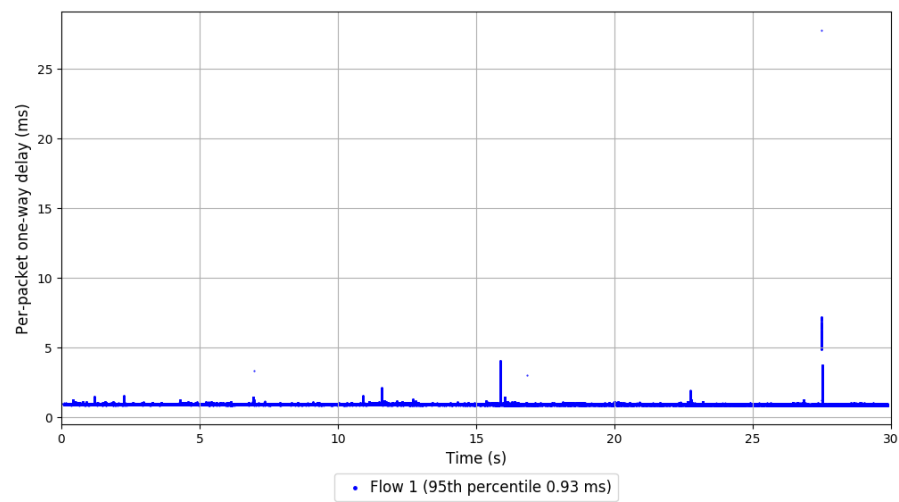
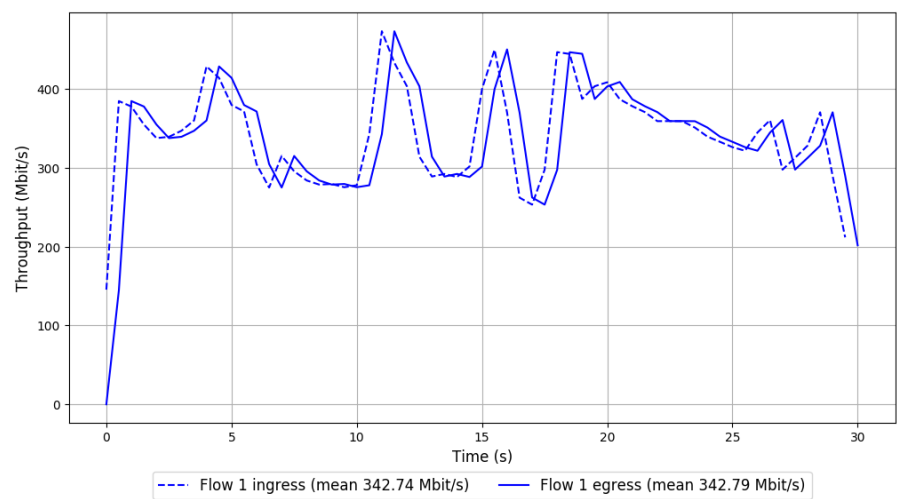
-- Flow 1:

Average throughput: 342.79 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.05%

Run 6: Report of PCC-Expr — Data Link

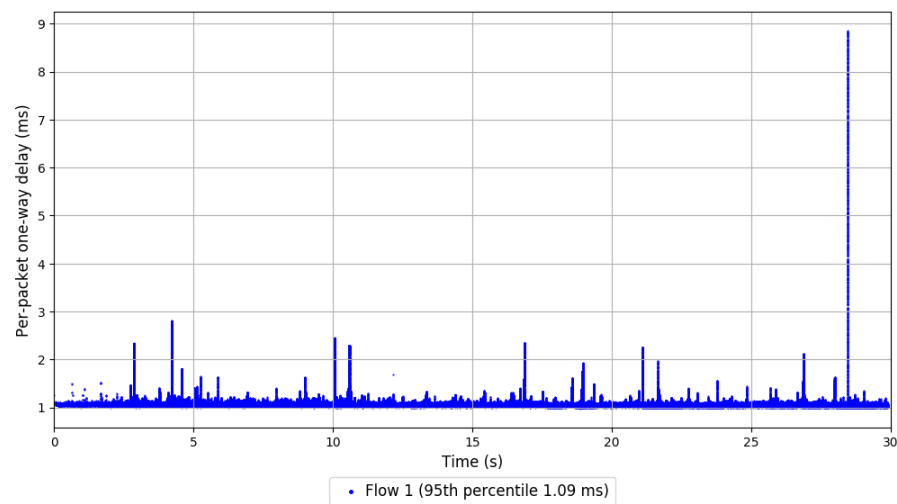
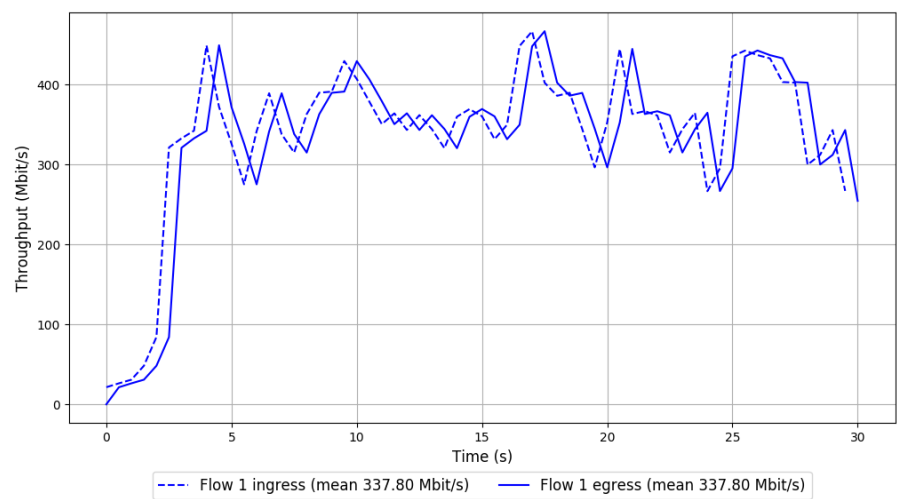


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 20:01:06
End at: 2018-08-09 20:01:36
Local clock offset: 0.07 ms
Remote clock offset: -2.128 ms

Below is generated by plot.py at 2018-08-09 23:29:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.80 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 337.80 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.07%

Run 7: Report of PCC-Expr — Data Link

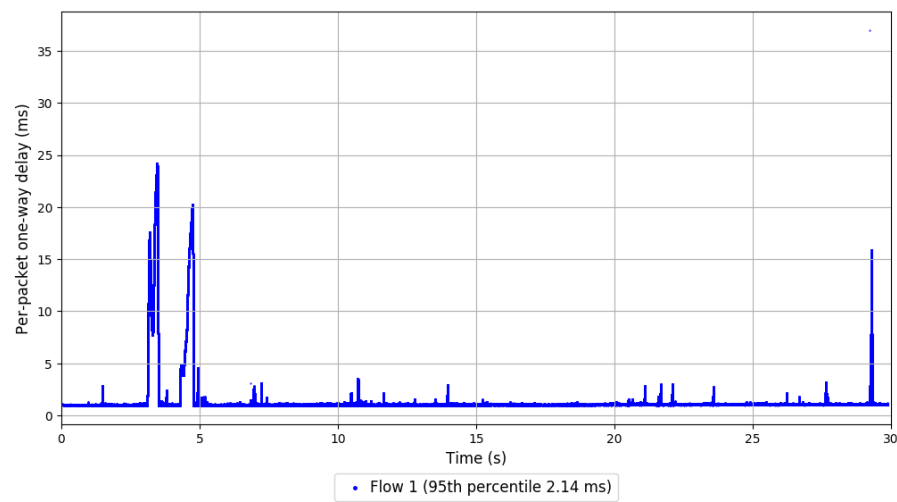
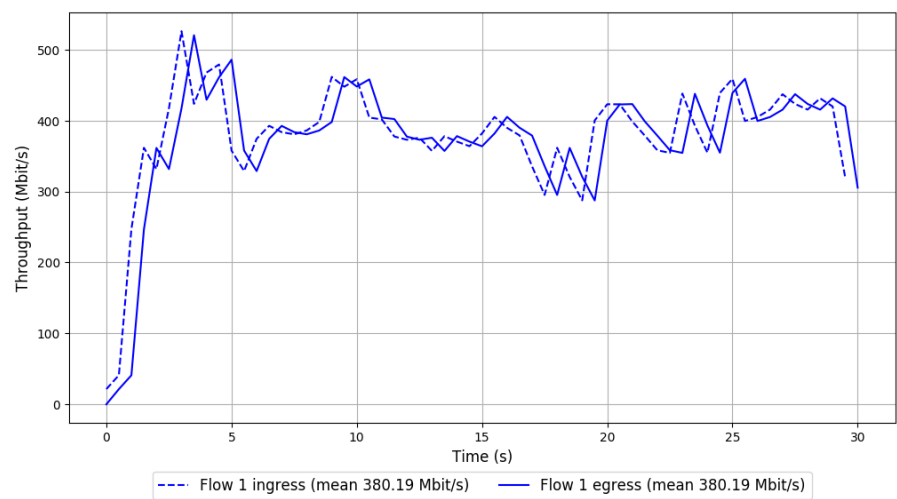


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 20:26:53
End at: 2018-08-09 20:27:23
Local clock offset: -0.333 ms
Remote clock offset: -0.852 ms

Below is generated by plot.py at 2018-08-09 23:30:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.19 Mbit/s
95th percentile per-packet one-way delay: 2.143 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 380.19 Mbit/s
95th percentile per-packet one-way delay: 2.143 ms
Loss rate: 0.07%

Run 8: Report of PCC-Expr — Data Link

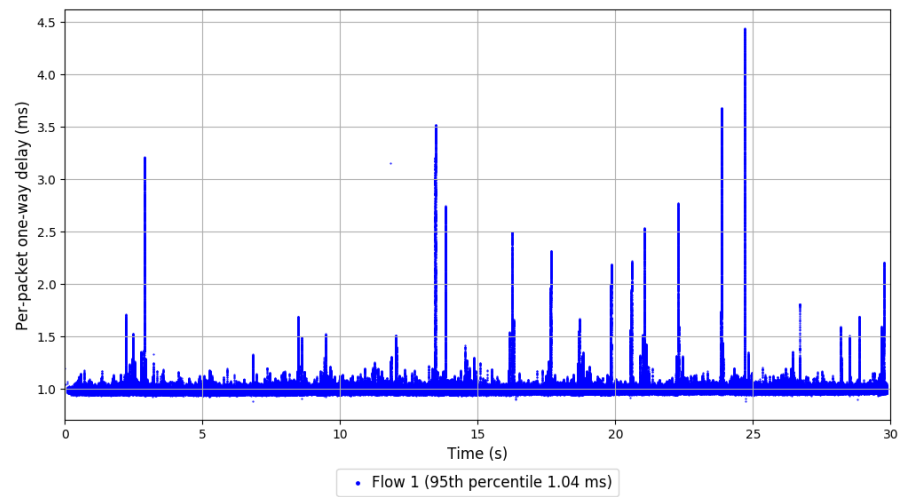
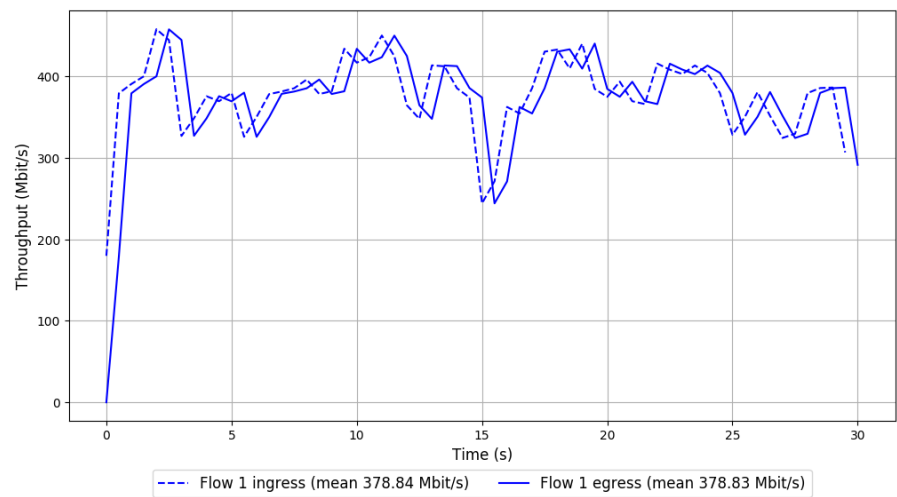


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 20:52:42
End at: 2018-08-09 20:53:12
Local clock offset: -0.445 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-08-09 23:30:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.83 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 378.83 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.07%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 21:18:52

End at: 2018-08-09 21:19:22

Local clock offset: -0.171 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.11 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 0.07%

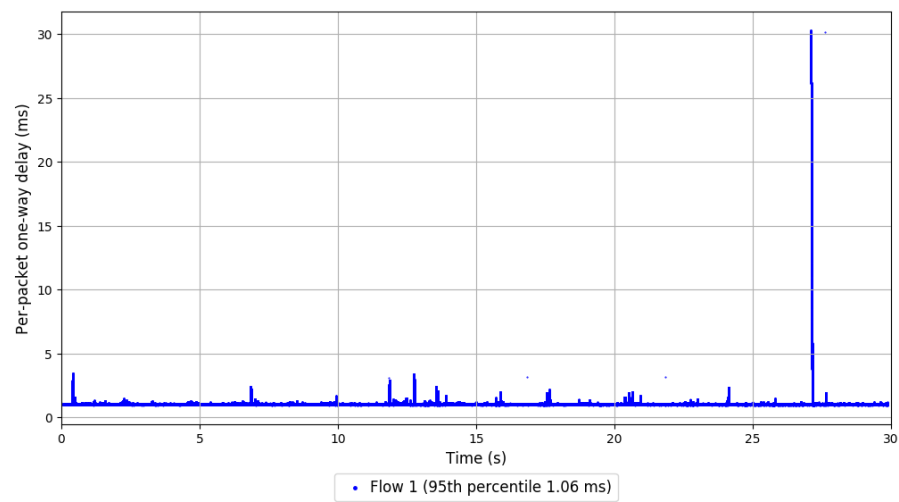
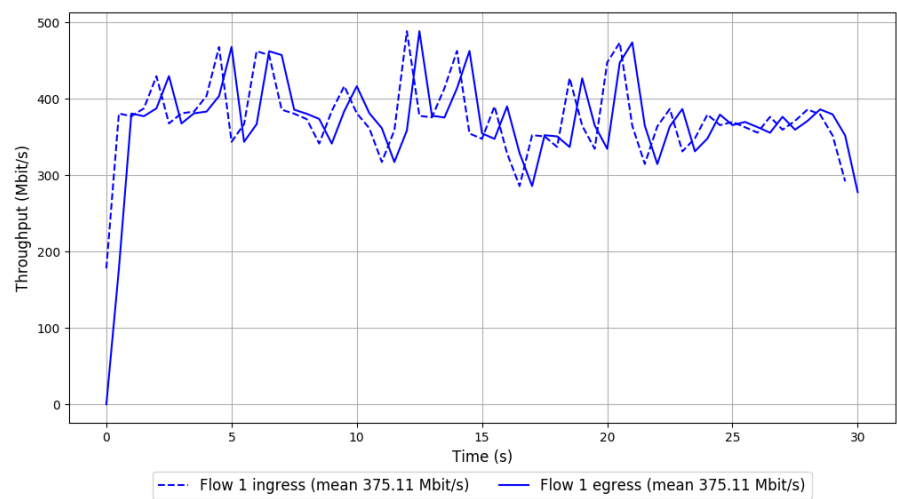
-- Flow 1:

Average throughput: 375.11 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 0.07%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 17:45:21

End at: 2018-08-09 17:45:51

Local clock offset: -0.537 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 1.105 ms

Loss rate: 0.07%

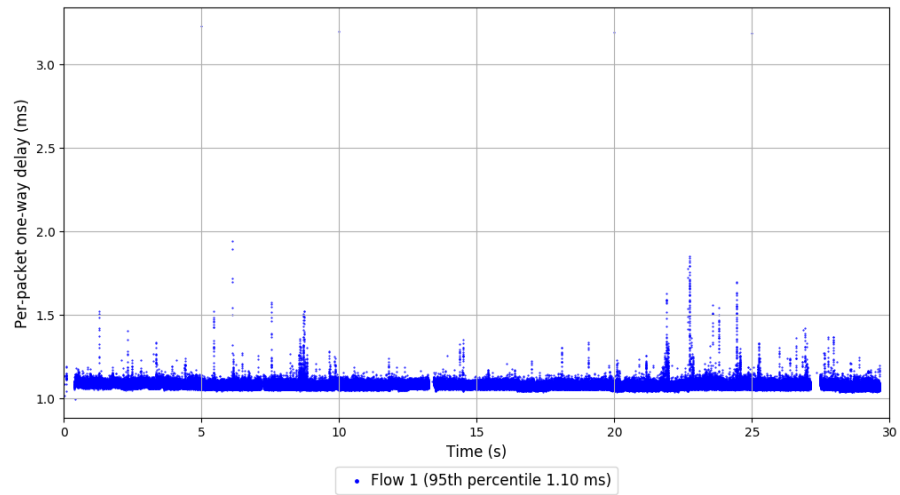
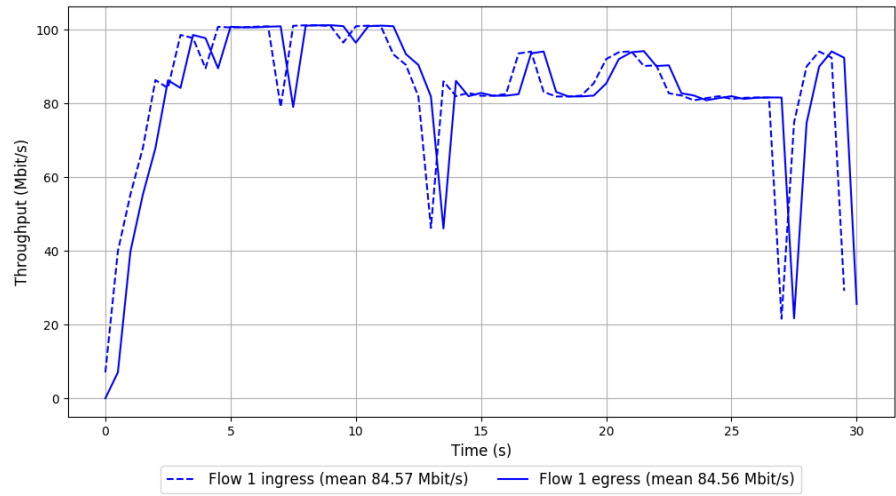
-- Flow 1:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 1.105 ms

Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 18:11:17

End at: 2018-08-09 18:11:47

Local clock offset: -0.203 ms

Remote clock offset: 3.063 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.07%

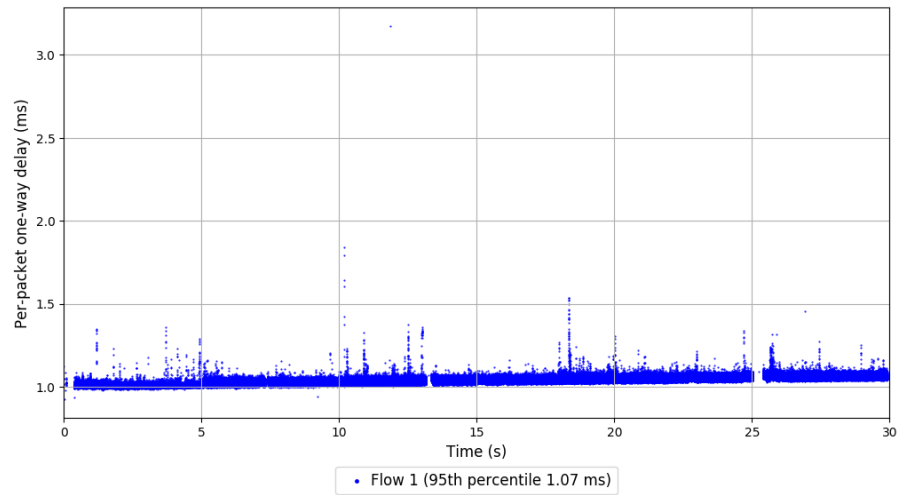
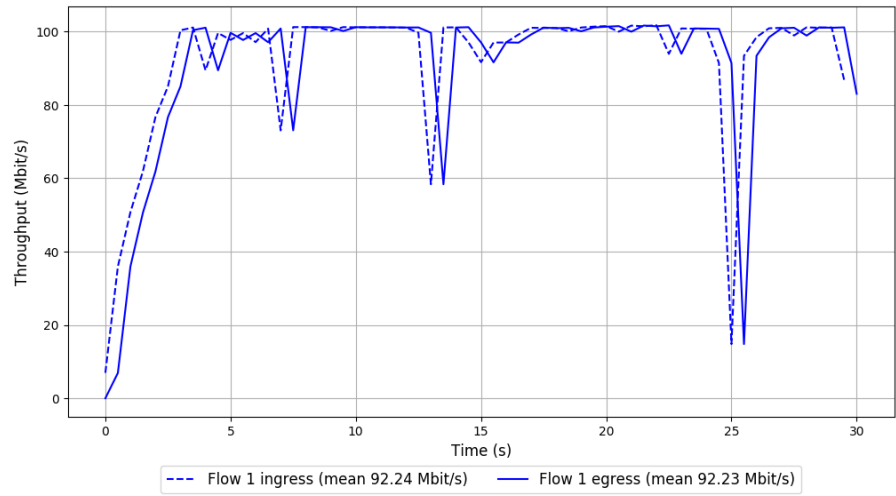
-- Flow 1:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.07%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 18:37:09

End at: 2018-08-09 18:37:39

Local clock offset: 0.129 ms

Remote clock offset: 2.404 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.20 Mbit/s

95th percentile per-packet one-way delay: 0.840 ms

Loss rate: 0.07%

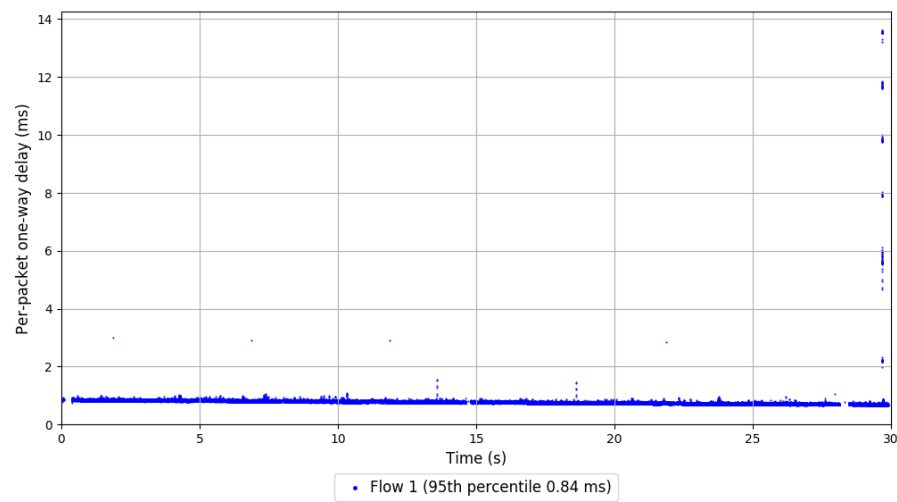
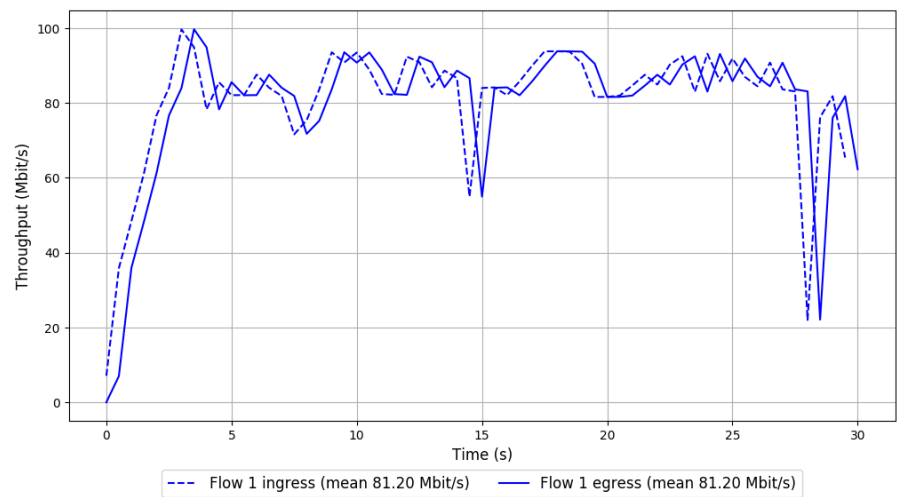
-- Flow 1:

Average throughput: 81.20 Mbit/s

95th percentile per-packet one-way delay: 0.840 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 19:03:07

End at: 2018-08-09 19:03:37

Local clock offset: 0.062 ms

Remote clock offset: -1.165 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 0.07%

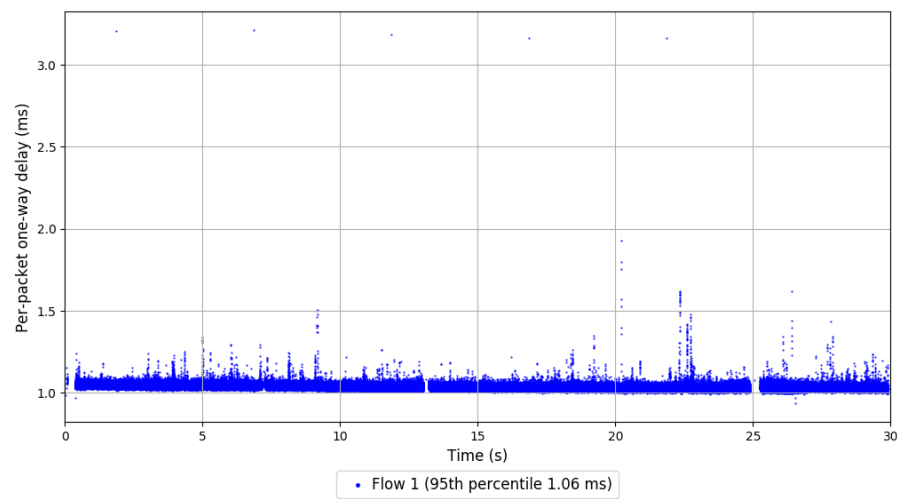
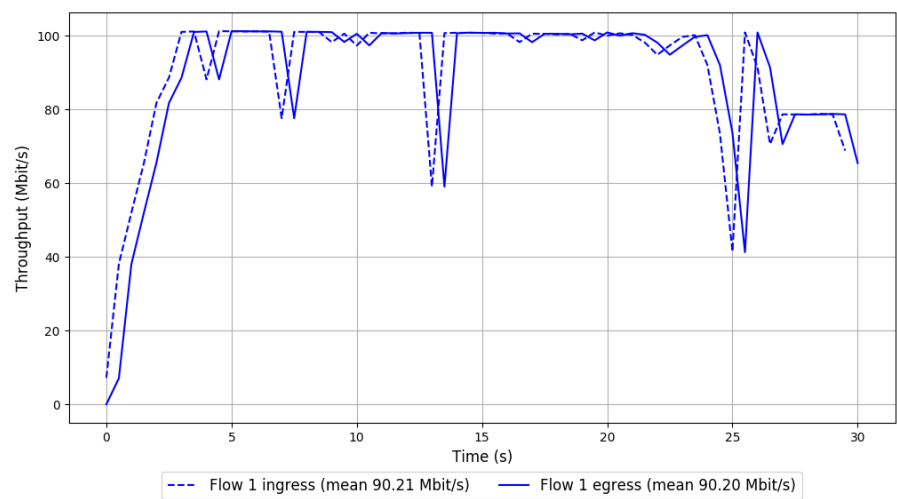
-- Flow 1:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 19:29:08

End at: 2018-08-09 19:29:38

Local clock offset: 0.072 ms

Remote clock offset: -1.008 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 1.009 ms

Loss rate: 0.07%

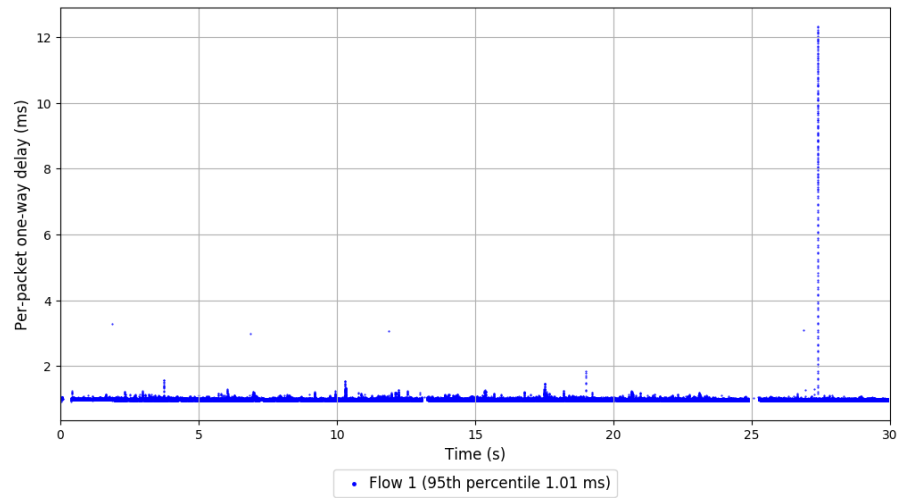
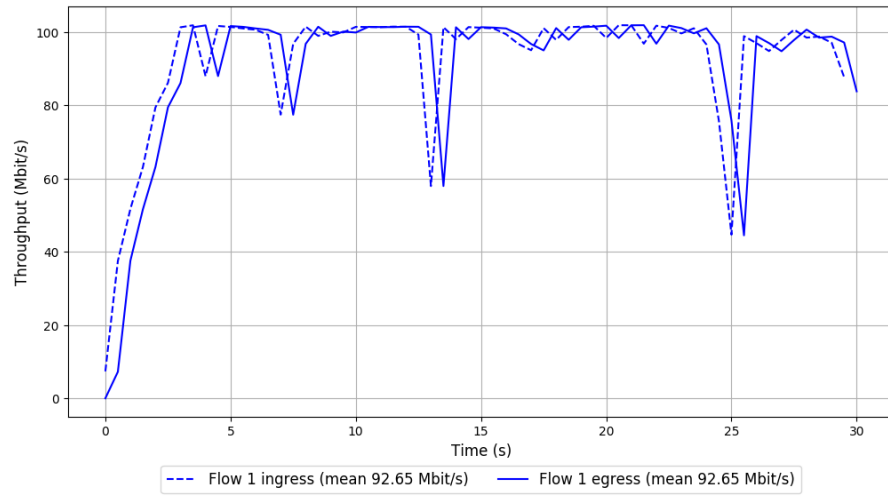
-- Flow 1:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 1.009 ms

Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 19:54:56

End at: 2018-08-09 19:55:26

Local clock offset: 0.055 ms

Remote clock offset: -1.884 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.52 Mbit/s

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

Loss rate: 0.07%

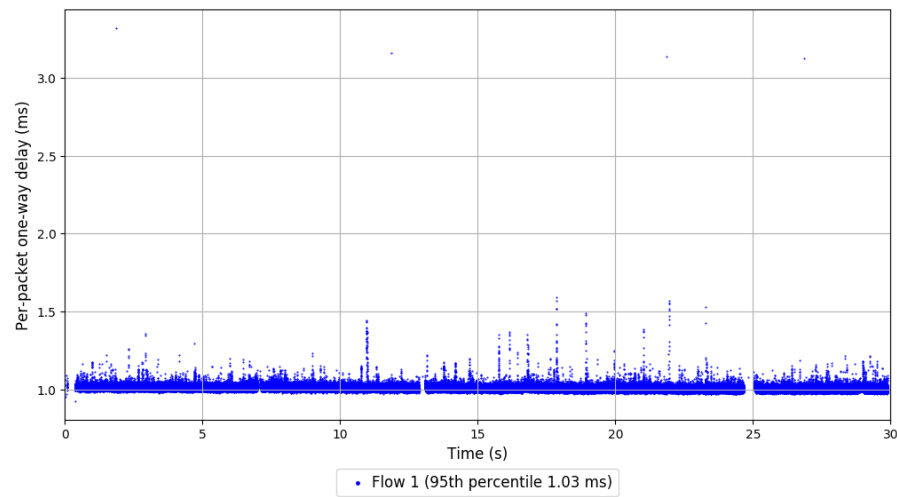
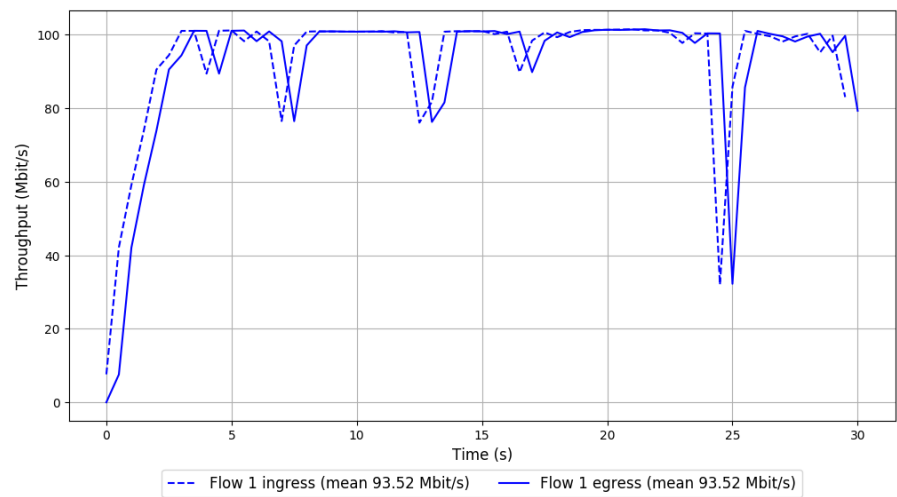
-- Flow 1:

Average throughput: 93.52 Mbit/s

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

Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link

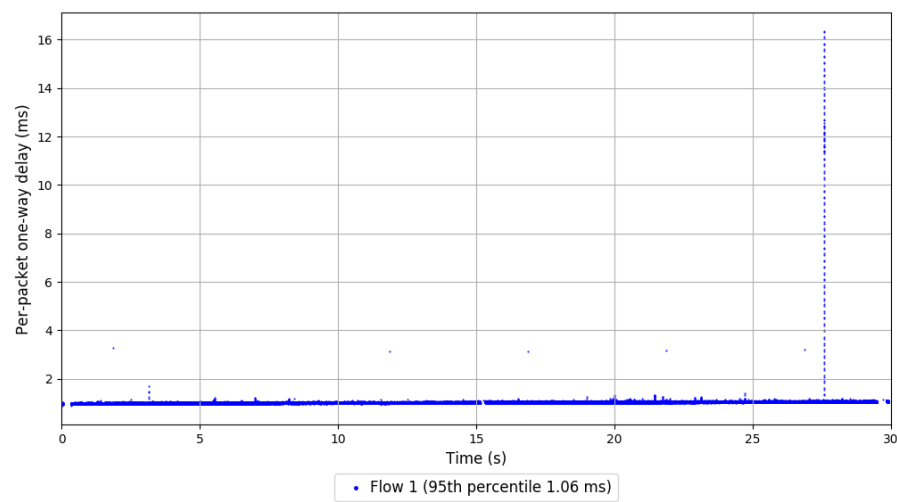
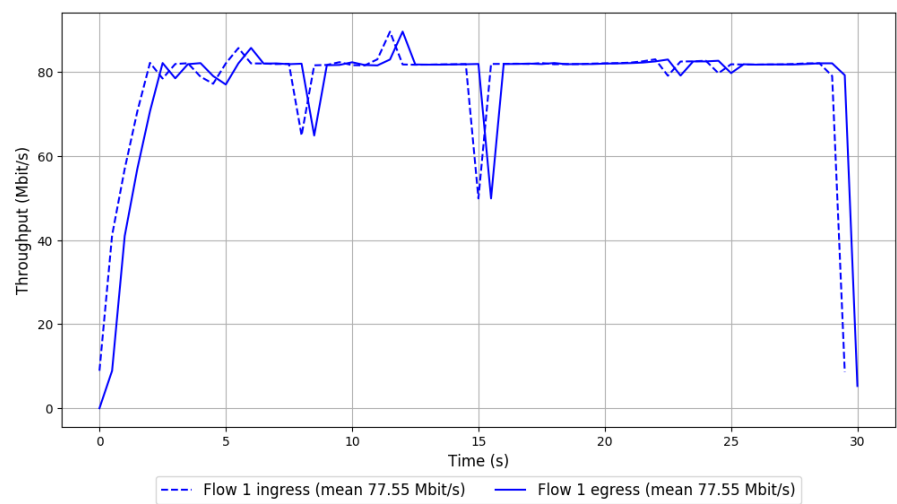


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 20:20:51
End at: 2018-08-09 20:21:21
Local clock offset: -0.137 ms
Remote clock offset: -1.351 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.07%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 20:46:34

End at: 2018-08-09 20:47:04

Local clock offset: -0.321 ms

Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.07%

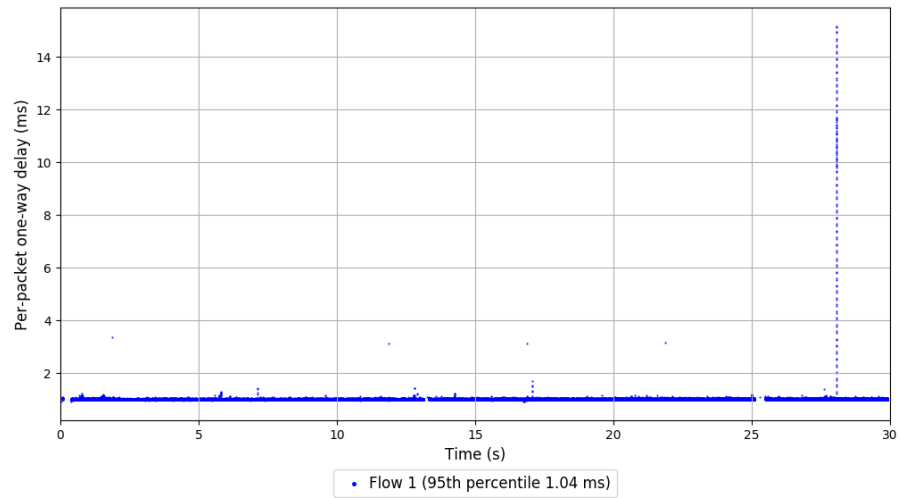
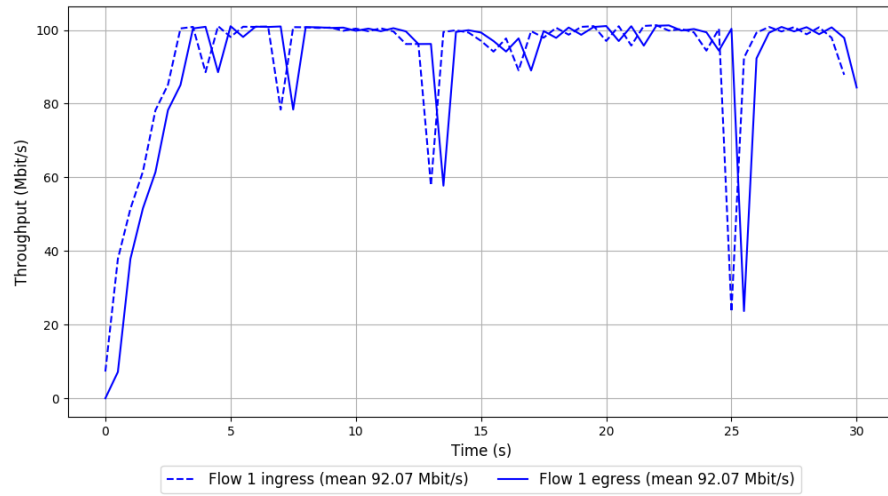
-- Flow 1:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.07%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 21:12:43

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

Local clock offset: -0.365 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.07%

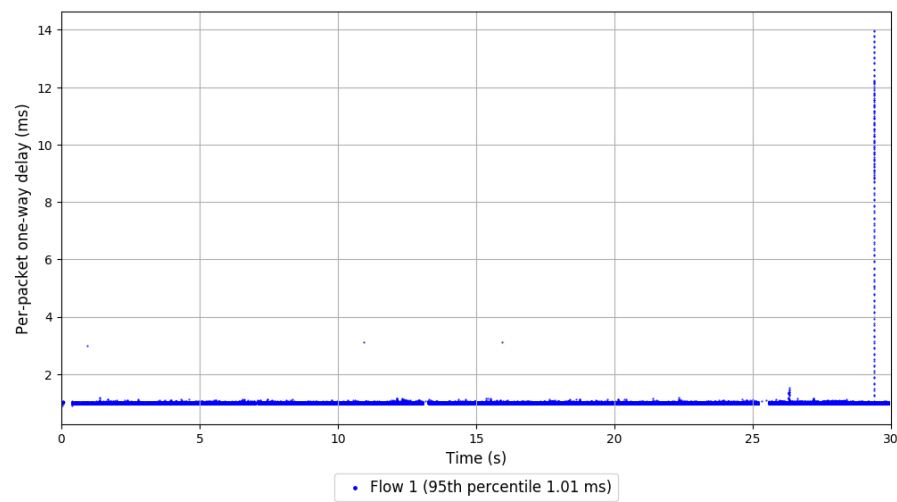
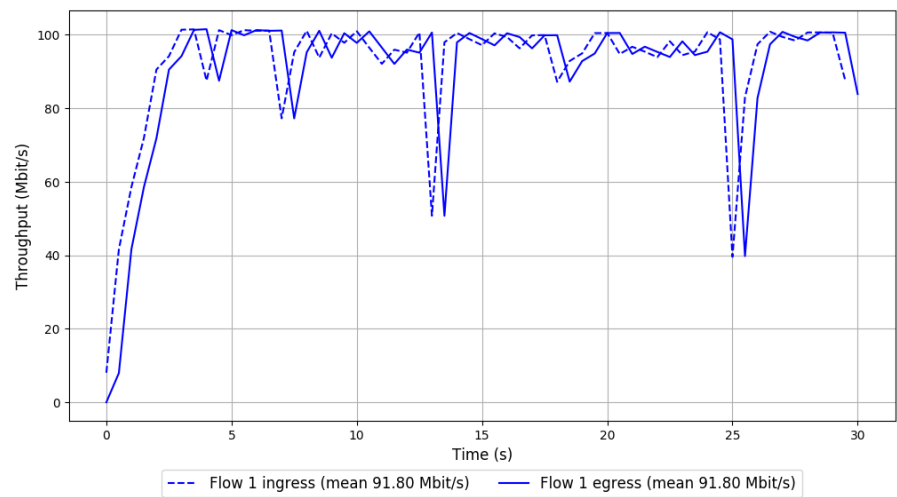
-- Flow 1:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.07%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 21:39:18

End at: 2018-08-09 21:39:48

Local clock offset: 0.006 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.65 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.07%

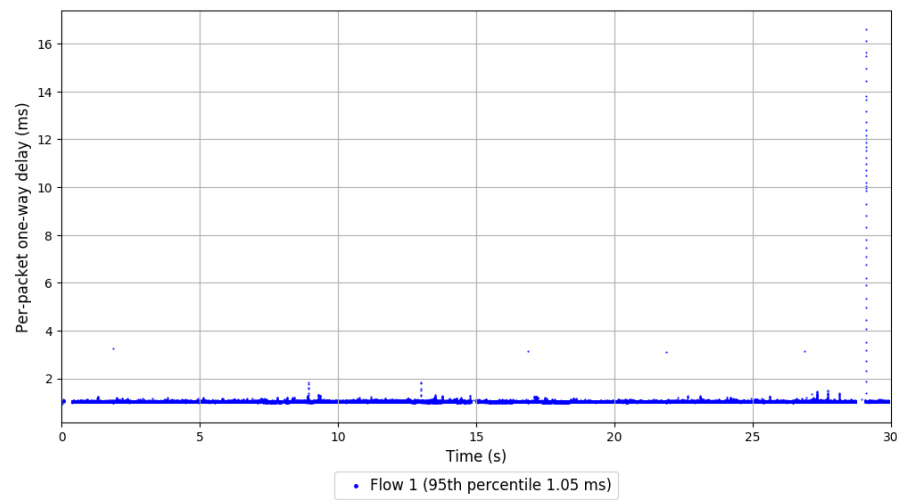
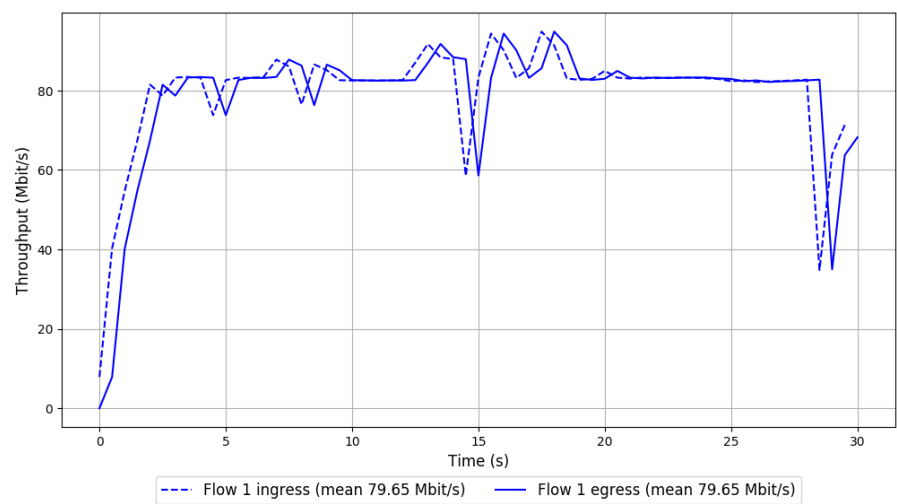
-- Flow 1:

Average throughput: 79.65 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.07%

Run 10: Report of QUIC Cubic — Data Link

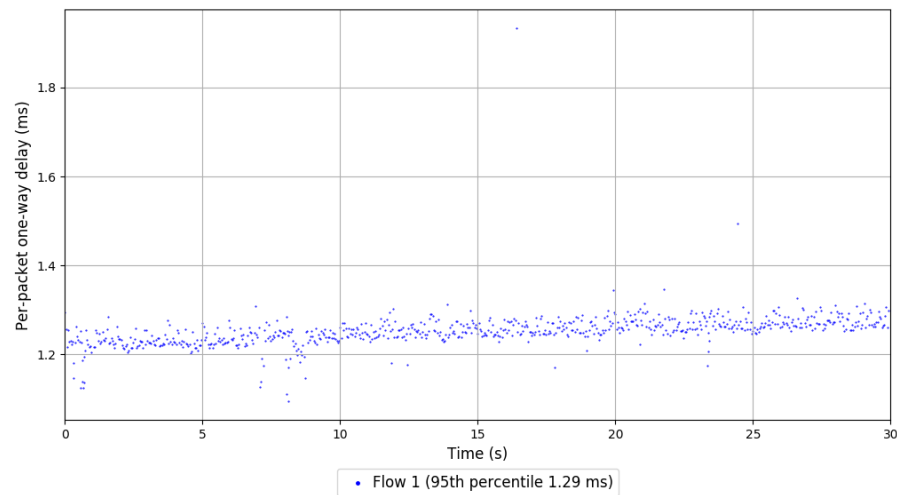
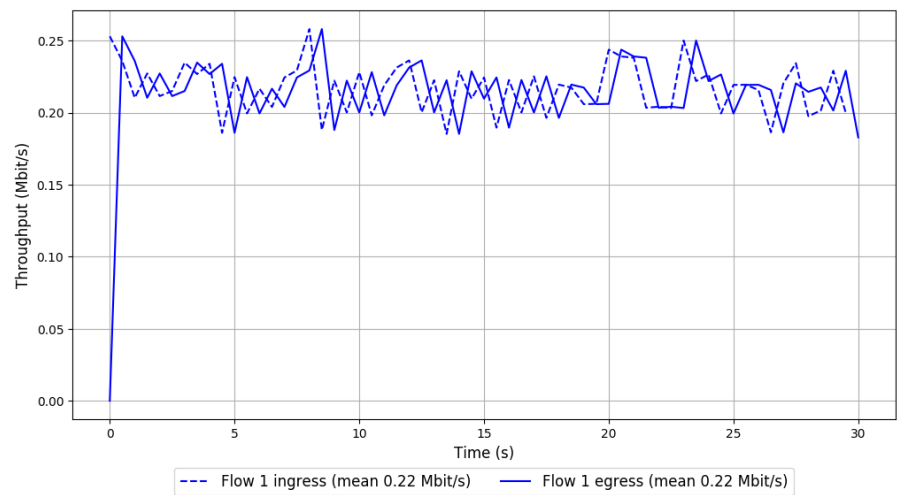


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 17:37:47
End at: 2018-08-09 17:38:17
Local clock offset: -0.115 ms
Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2018-08-09 23:30:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-09 18:03:46

End at: 2018-08-09 18:04:17

Local clock offset: -0.169 ms

Remote clock offset: 2.017 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.309 ms

Loss rate: 0.00%

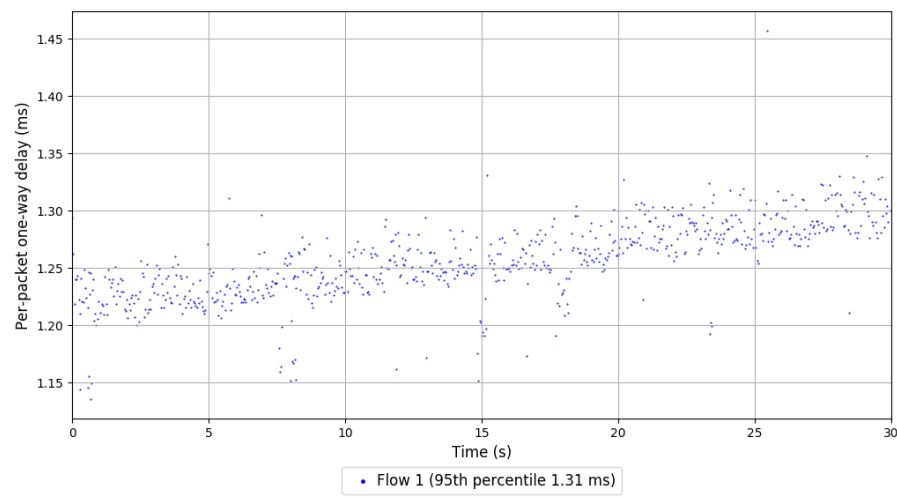
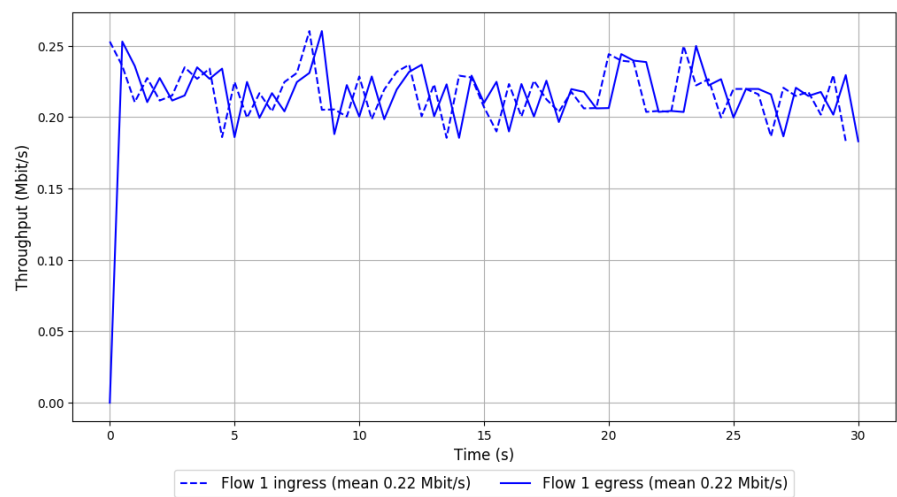
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.309 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-09 18:29:42

End at: 2018-08-09 18:30:12

Local clock offset: 0.063 ms

Remote clock offset: 4.362 ms

Below is generated by plot.py at 2018-08-09 23:30:53

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%

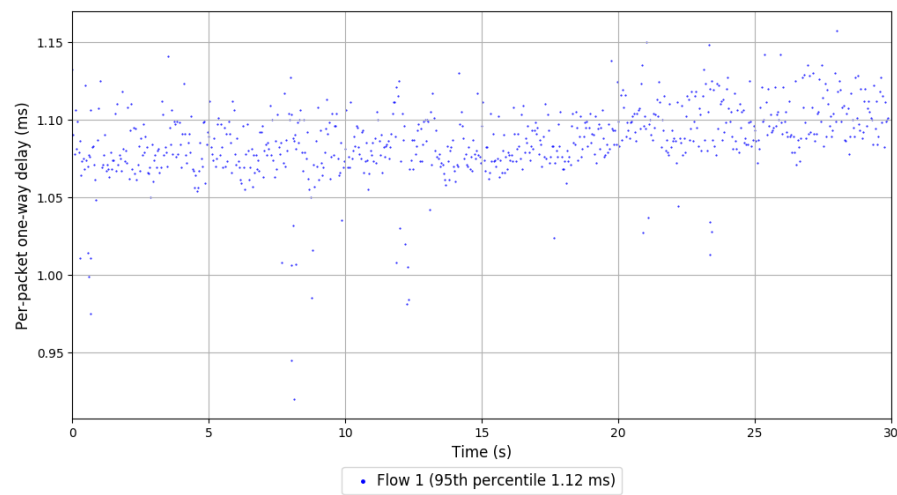
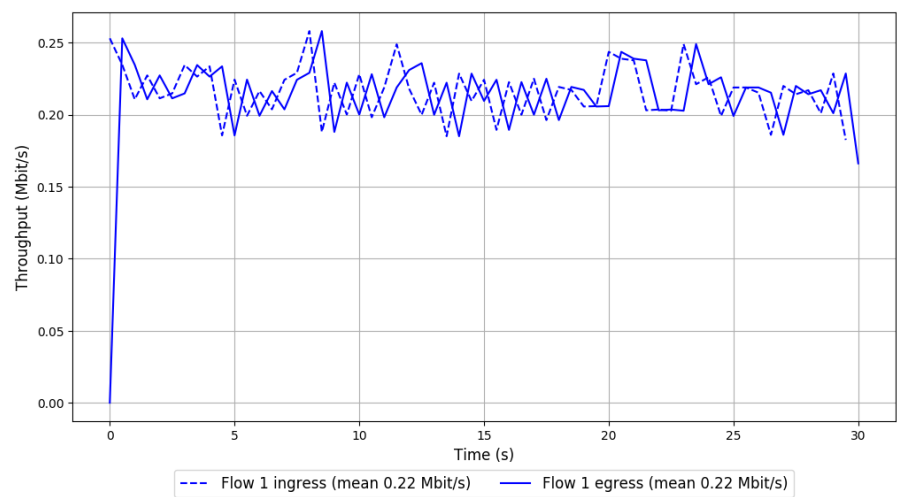
-- Flow 1:

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

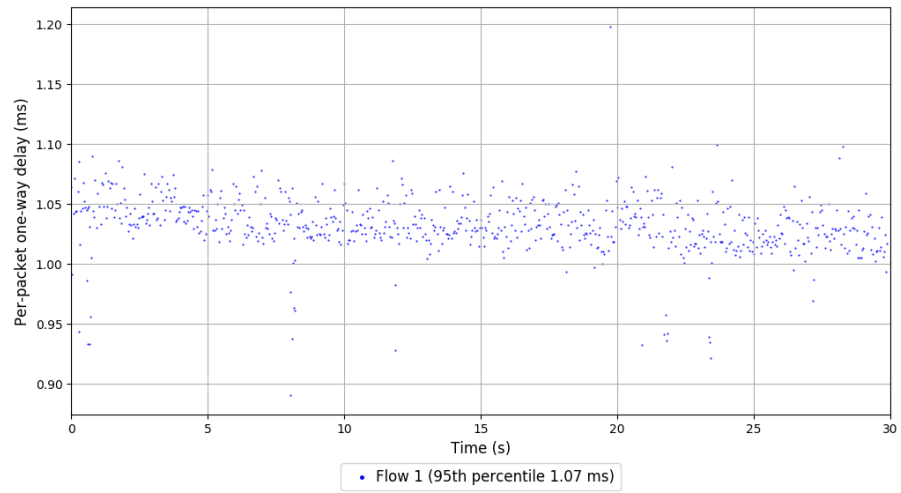
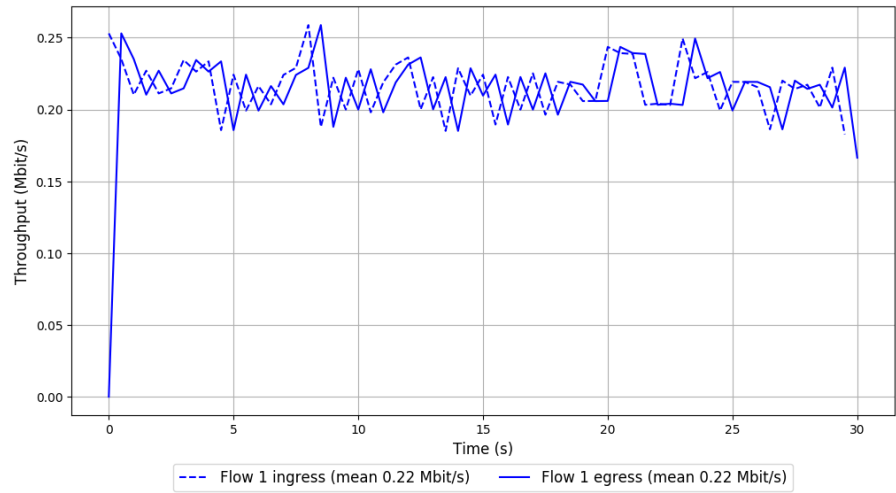


Run 4: Statistics of SCReAM

Start at: 2018-08-09 18:55:32
End at: 2018-08-09 18:56:02
Local clock offset: 0.083 ms
Remote clock offset: -0.573 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

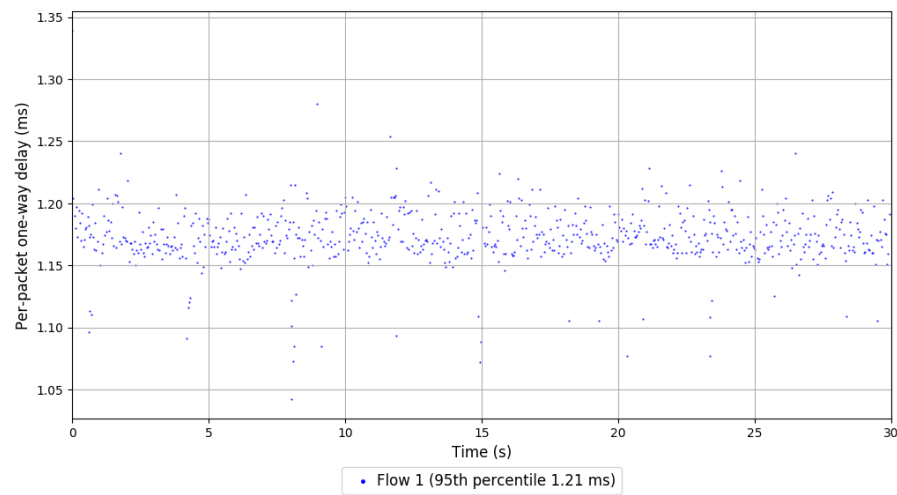
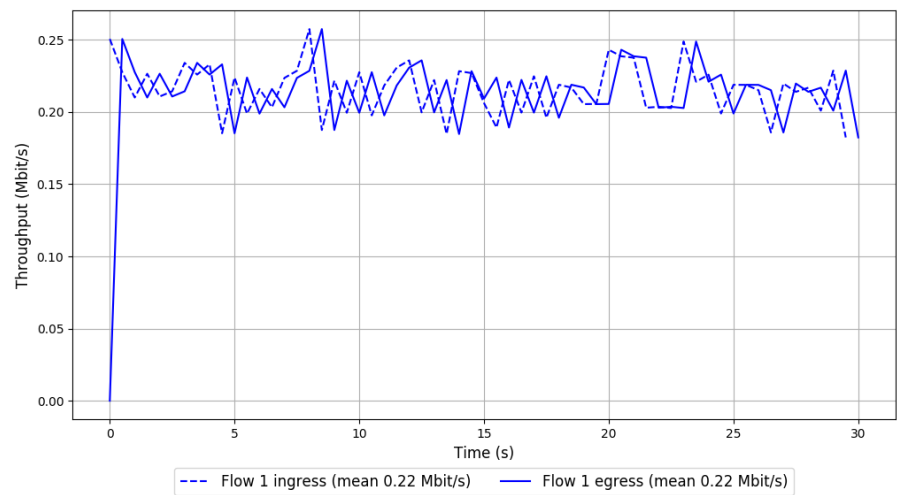


Run 5: Statistics of SCReAM

Start at: 2018-08-09 19:21:39
End at: 2018-08-09 19:22:09
Local clock offset: 0.043 ms
Remote clock offset: -0.917 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

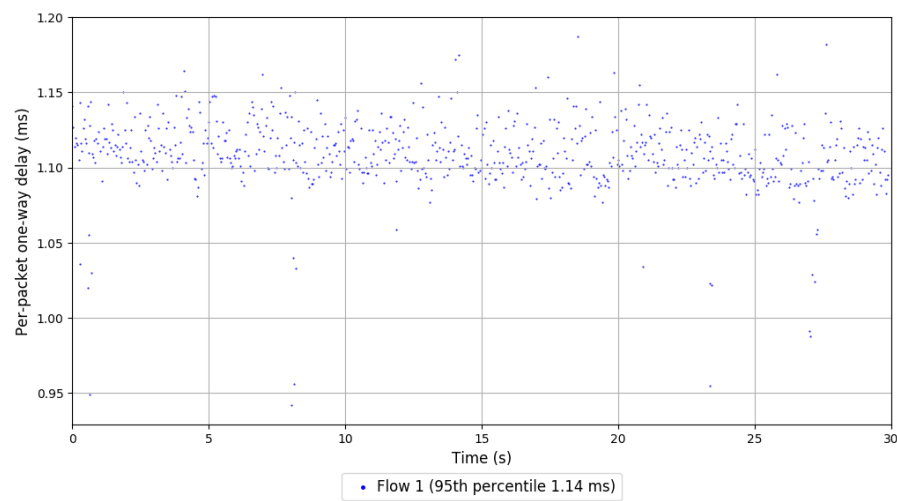
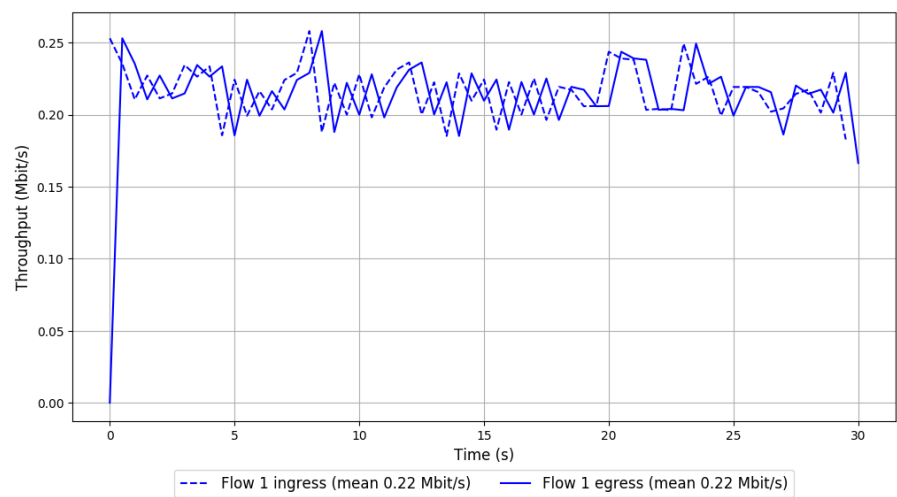


Run 6: Statistics of SCReAM

Start at: 2018-08-09 19:47:27
End at: 2018-08-09 19:47:57
Local clock offset: 0.107 ms
Remote clock offset: -1.582 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

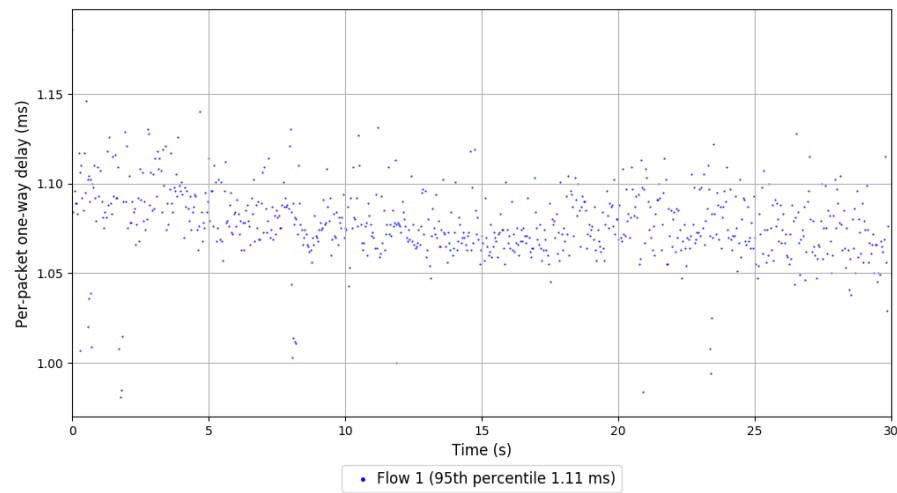
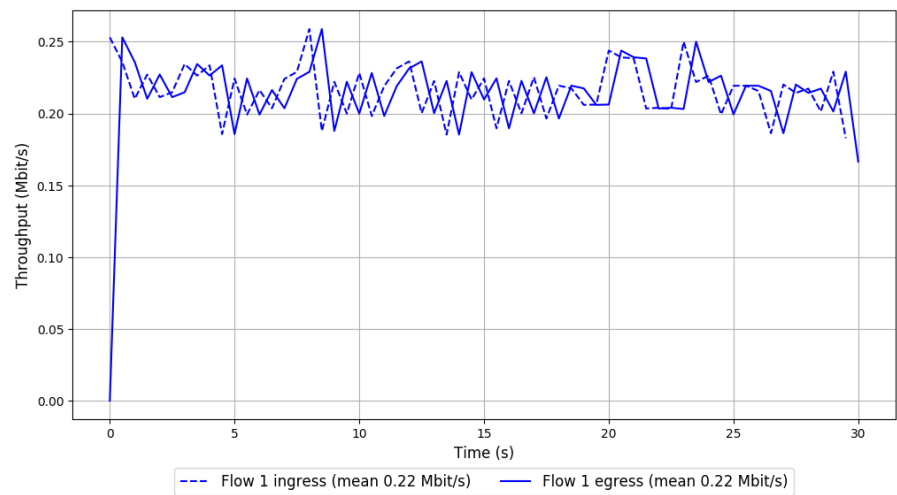


Run 7: Statistics of SReAM

Start at: 2018-08-09 20:13:22
End at: 2018-08-09 20:13:52
Local clock offset: 0.178 ms
Remote clock offset: -2.538 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

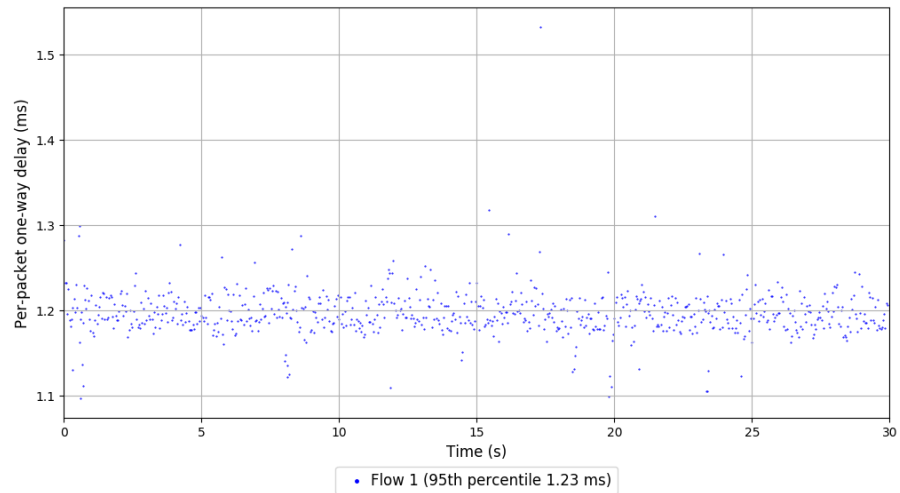
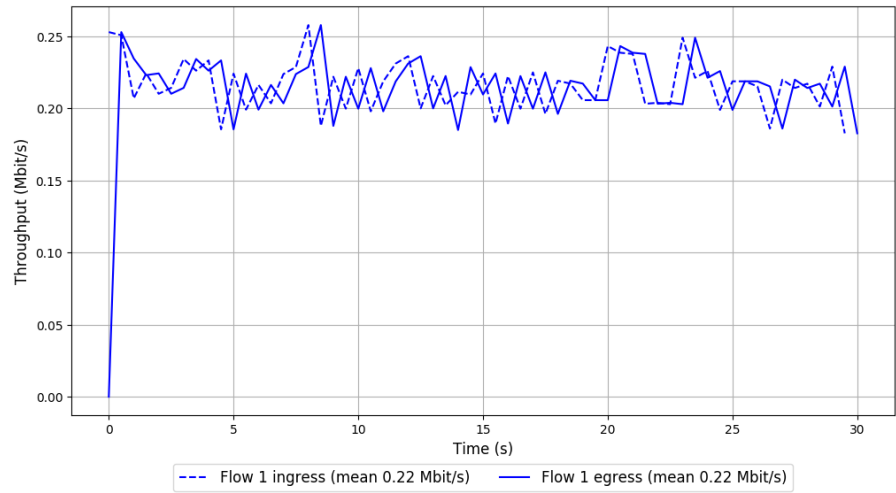


Run 8: Statistics of SCReAM

Start at: 2018-08-09 20:39:05
End at: 2018-08-09 20:39:35
Local clock offset: -0.324 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

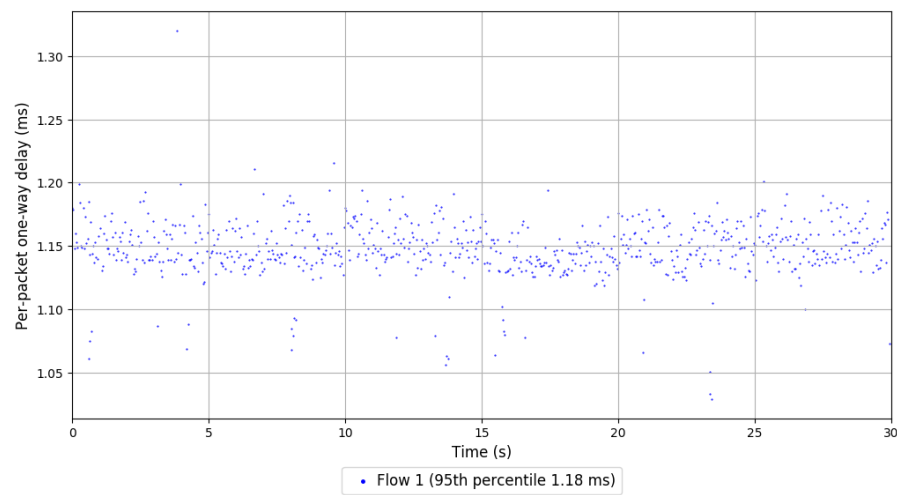
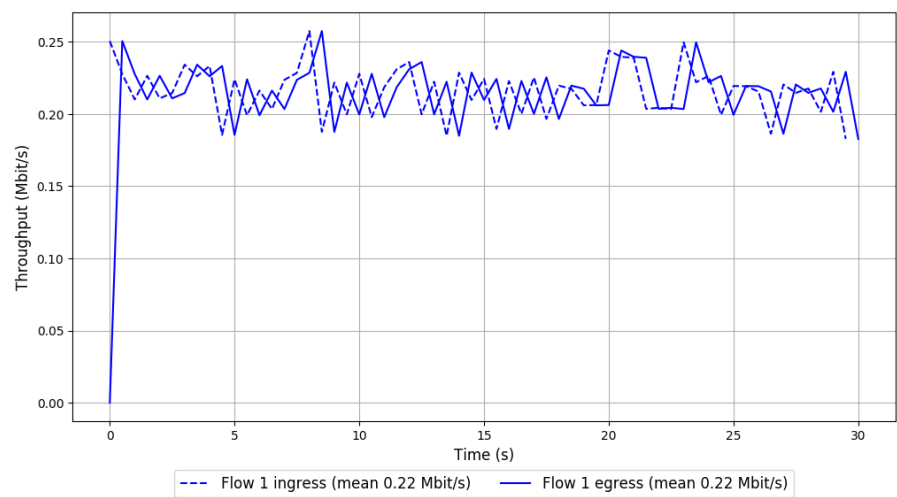


Run 9: Statistics of SCReAM

Start at: 2018-08-09 21:05:10
End at: 2018-08-09 21:05:40
Local clock offset: -0.33 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

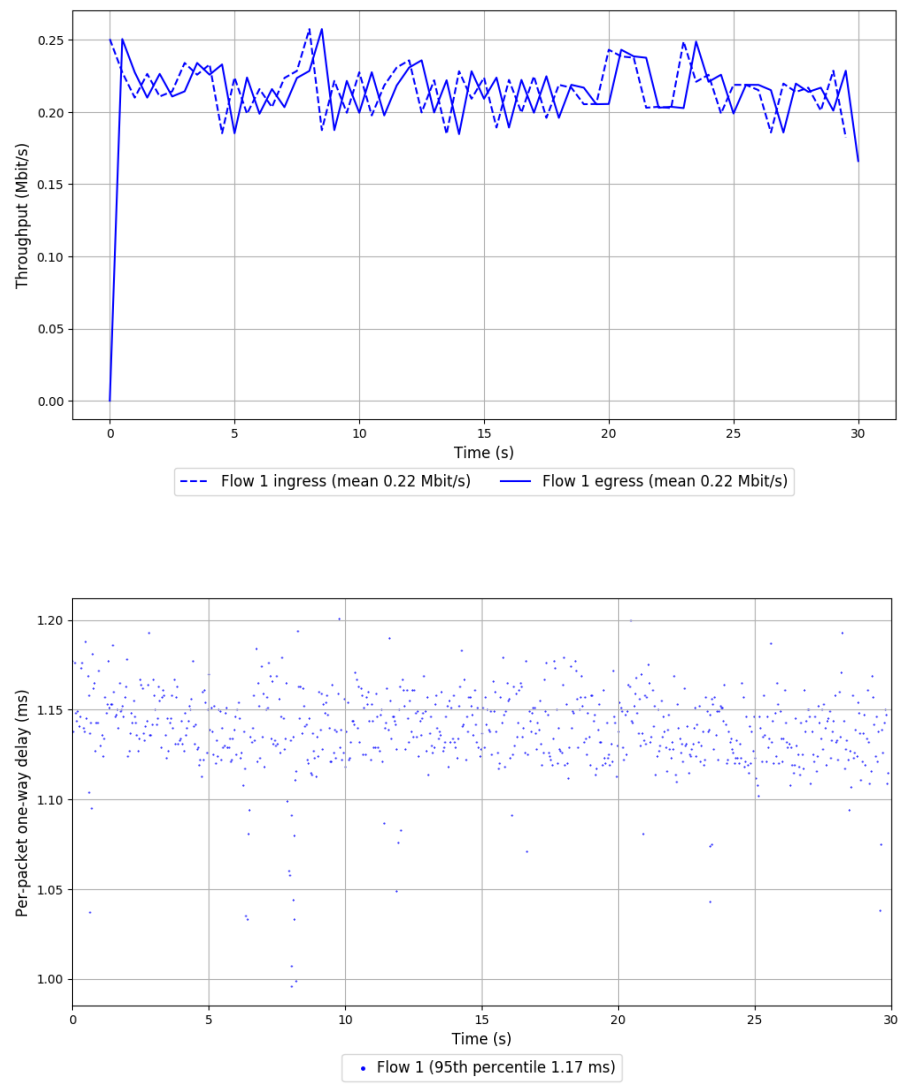


Run 10: Statistics of SCReAM

Start at: 2018-08-09 21:31:48
End at: 2018-08-09 21:32:18
Local clock offset: -0.03 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.13%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-09 17:34:45

End at: 2018-08-09 17:35:15

Local clock offset: 0.106 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.16%

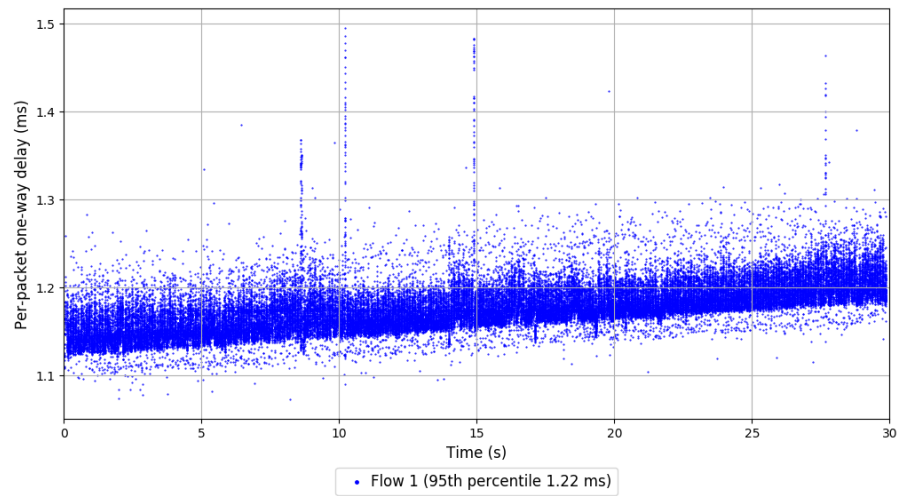
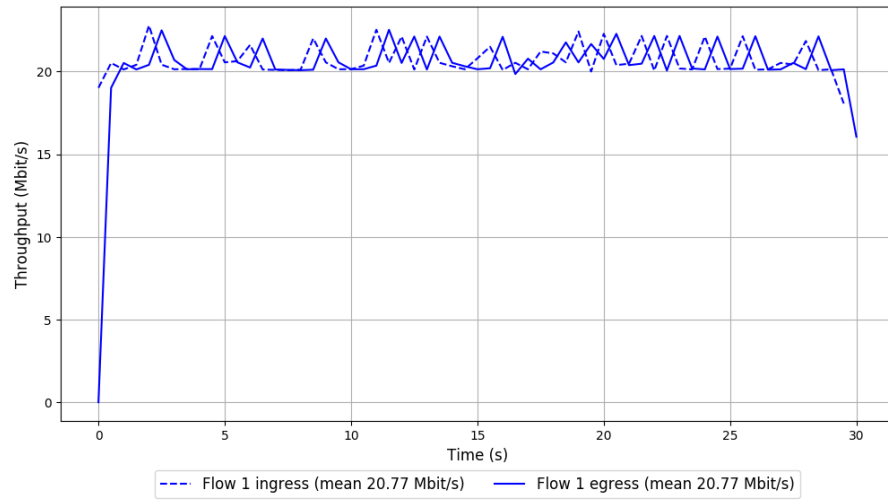
-- Flow 1:

Average throughput: 20.77 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.16%

Run 1: Report of Sprout — Data Link

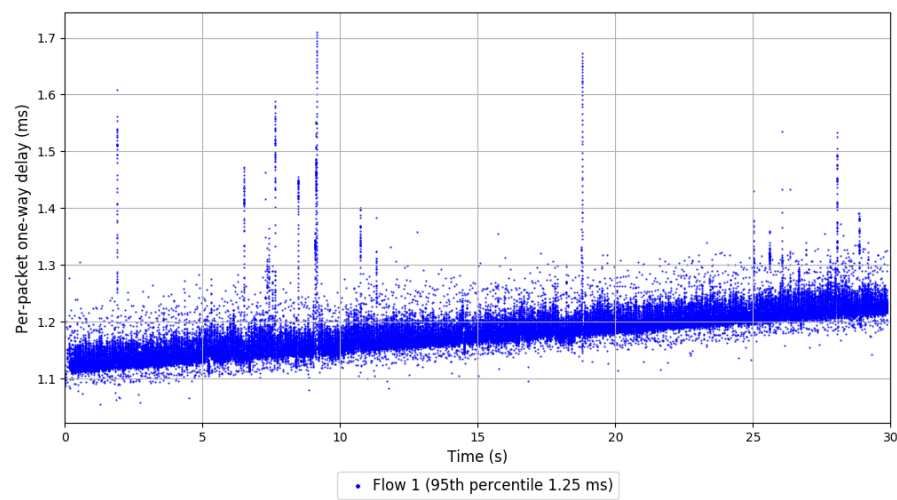
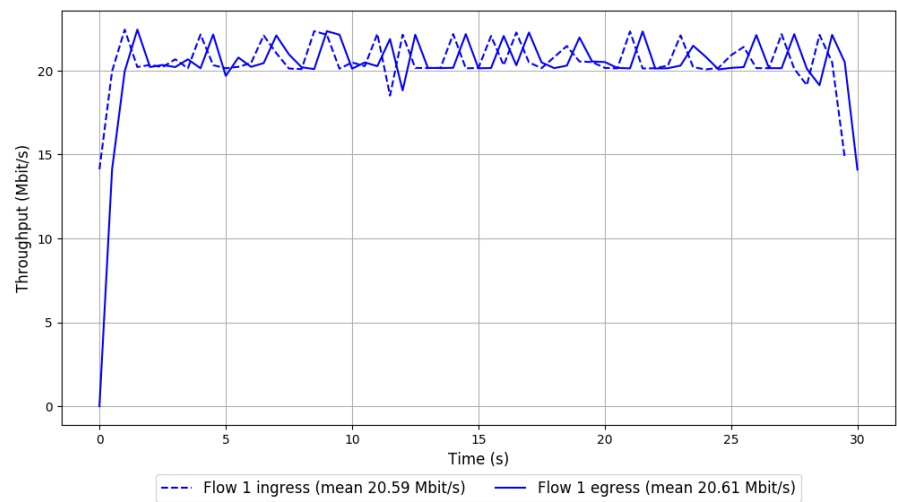


Run 2: Statistics of Sprout

Start at: 2018-08-09 18:00:45
End at: 2018-08-09 18:01:15
Local clock offset: -0.143 ms
Remote clock offset: 1.479 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.06%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-09 18:26:41

End at: 2018-08-09 18:27:11

Local clock offset: 0.019 ms

Remote clock offset: 4.178 ms

Below is generated by plot.py at 2018-08-09 23:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.00%

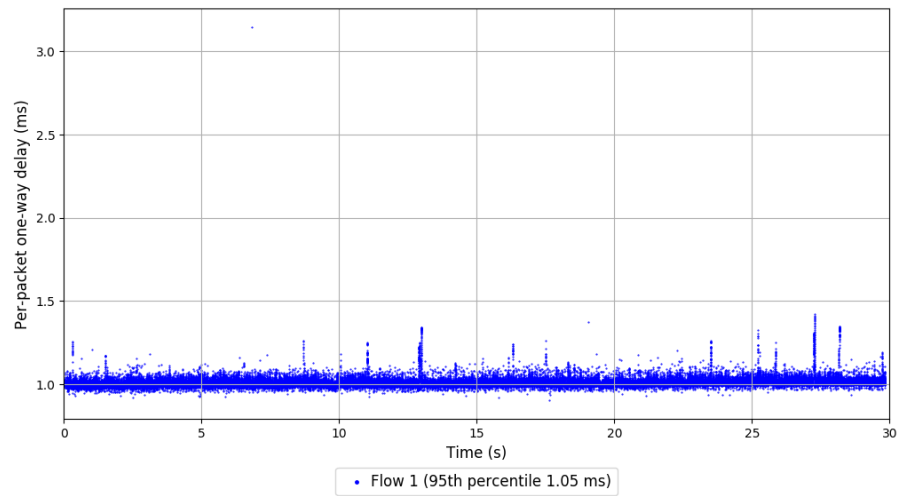
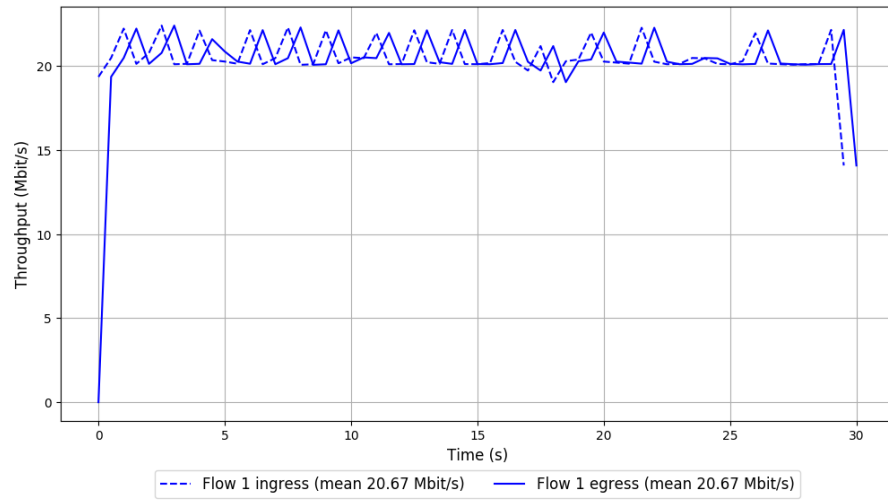
-- Flow 1:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

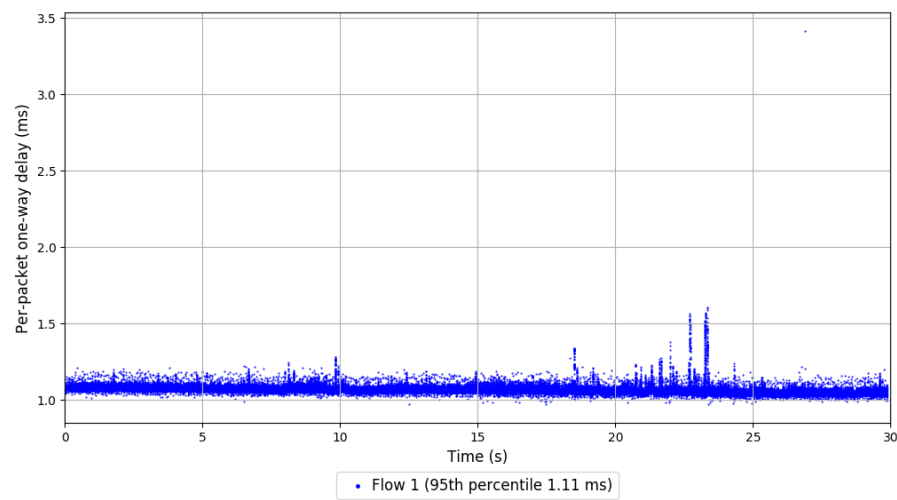
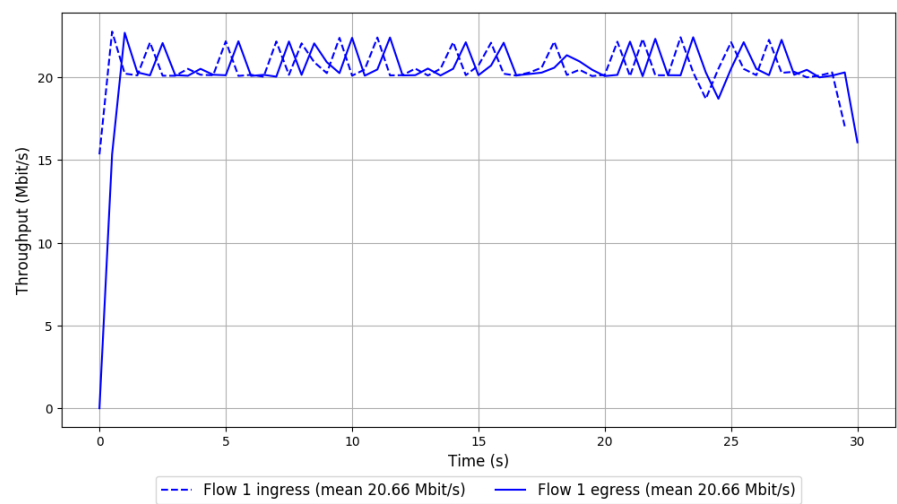


Run 4: Statistics of Sprout

Start at: 2018-08-09 18:52:31
End at: 2018-08-09 18:53:01
Local clock offset: 0.126 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.08%

Run 4: Report of Sprout — Data Link

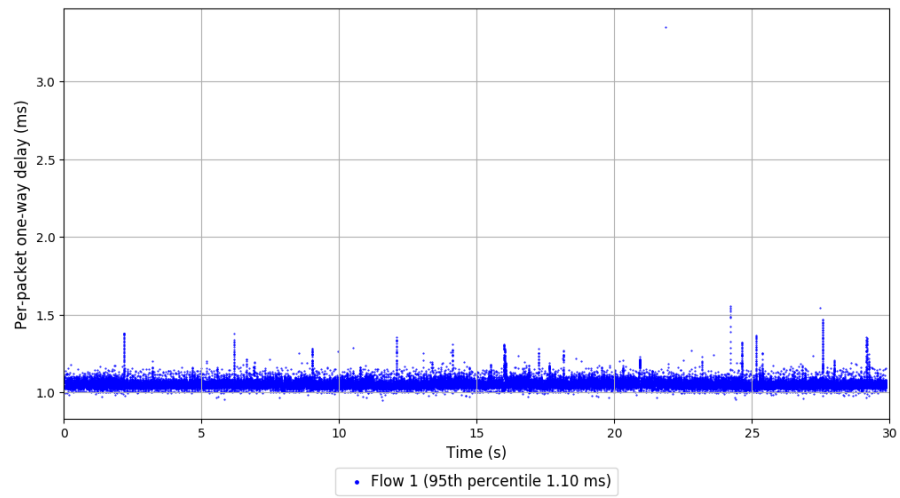
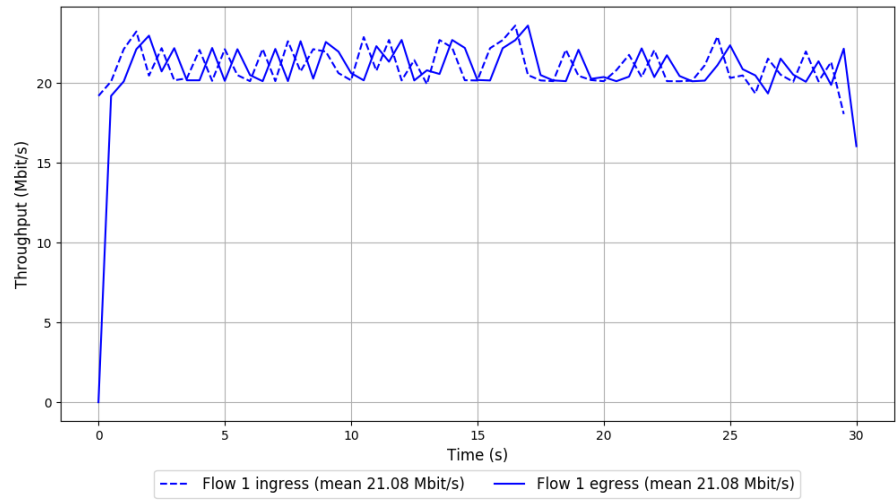


Run 5: Statistics of Sprout

Start at: 2018-08-09 19:18:38
End at: 2018-08-09 19:19:08
Local clock offset: 0.047 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.16%

Run 5: Report of Sprout — Data Link

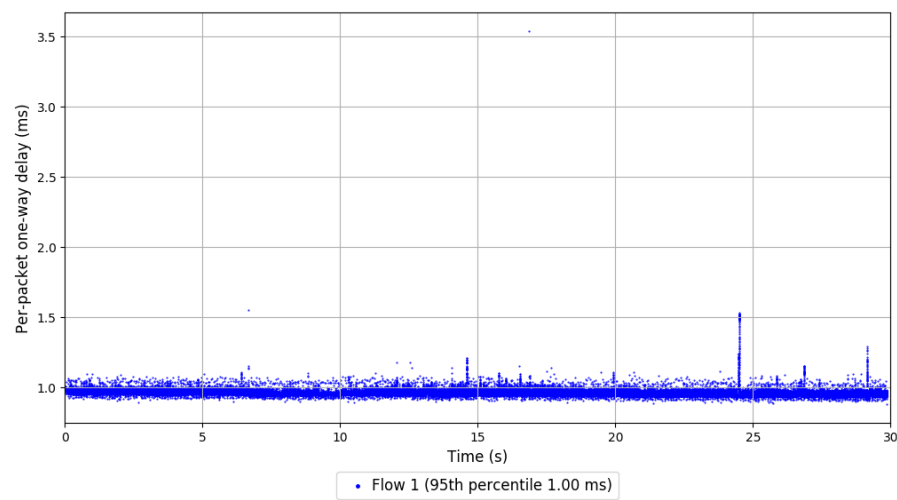
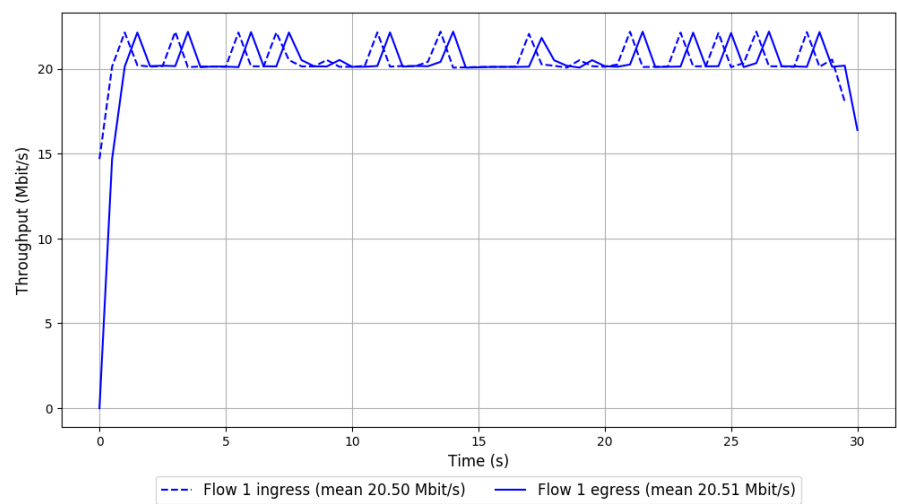


Run 6: Statistics of Sprout

Start at: 2018-08-09 19:44:25
End at: 2018-08-09 19:44:55
Local clock offset: 0.035 ms
Remote clock offset: -1.543 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 1.001 ms
Loss rate: 0.17%

Run 6: Report of Sprout — Data Link

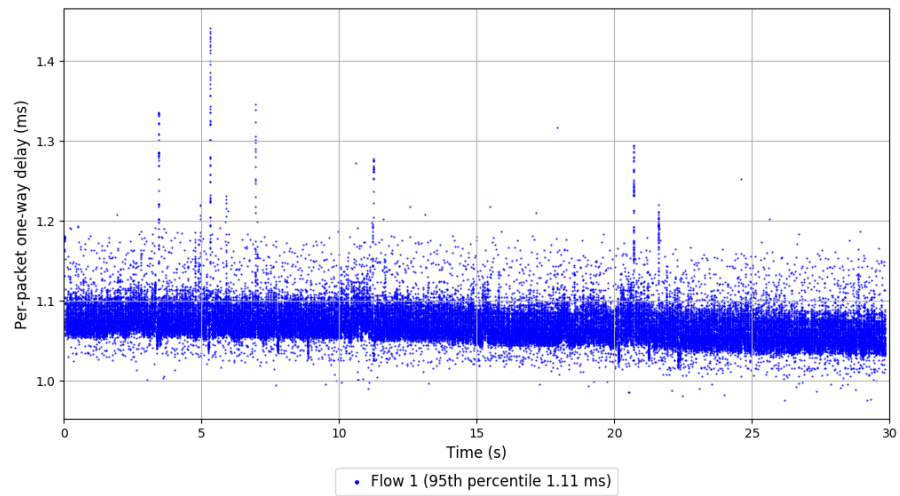
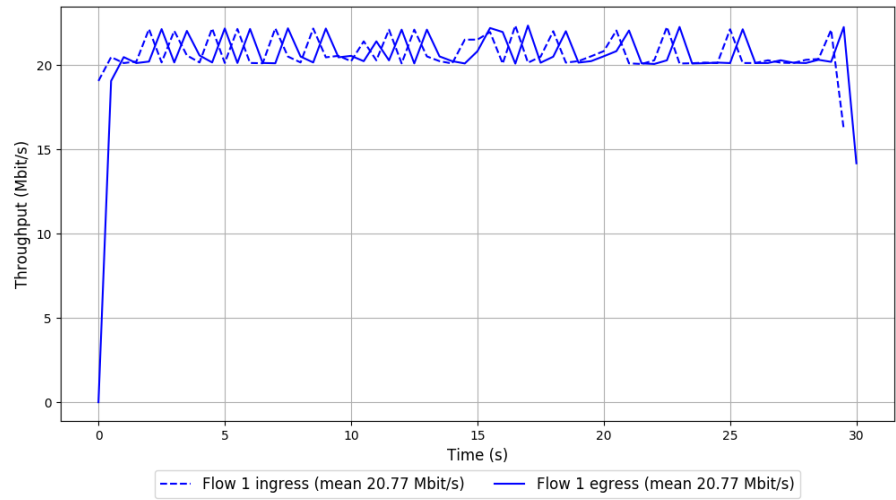


Run 7: Statistics of Sprout

Start at: 2018-08-09 20:10:21
End at: 2018-08-09 20:10:51
Local clock offset: 0.153 ms
Remote clock offset: -2.462 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.16%

Run 7: Report of Sprout — Data Link

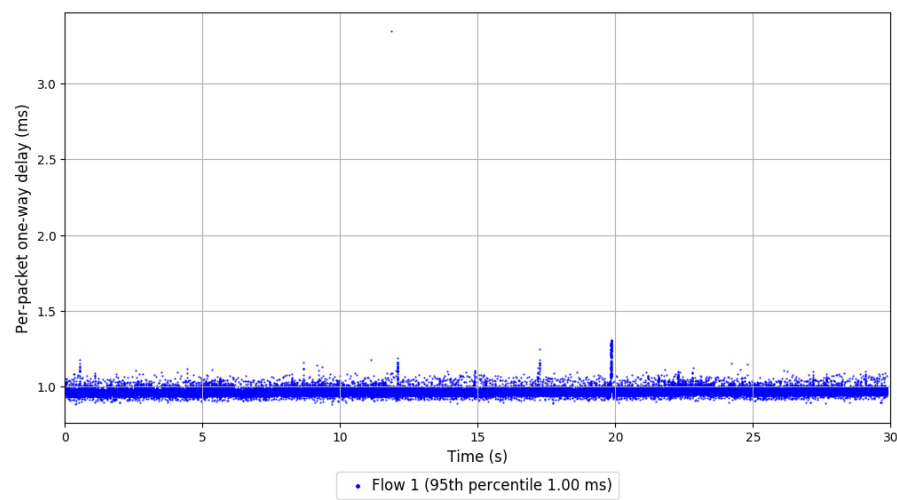
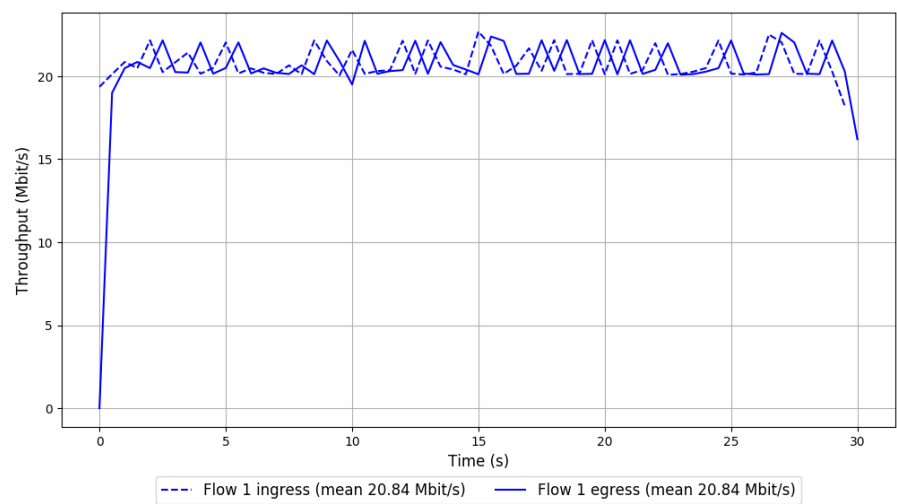


Run 8: Statistics of Sprout

Start at: 2018-08-09 20:36:04
End at: 2018-08-09 20:36:34
Local clock offset: -0.394 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.16%

Run 8: Report of Sprout — Data Link

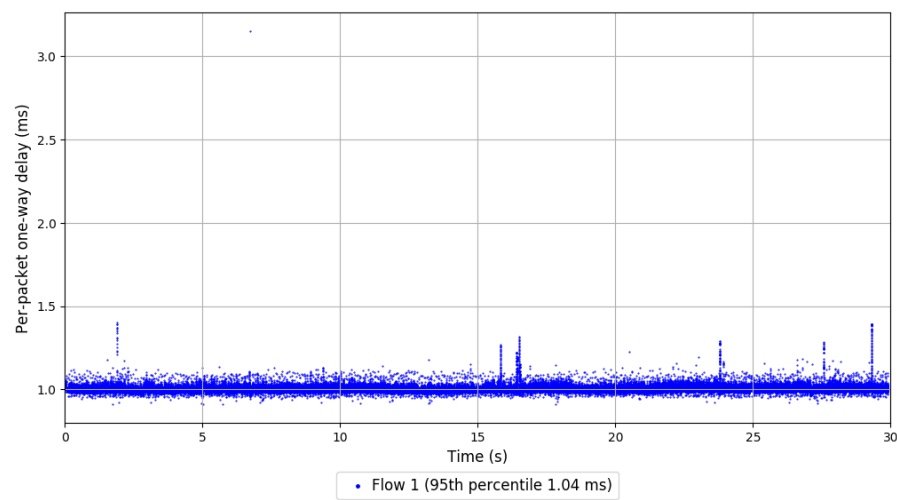
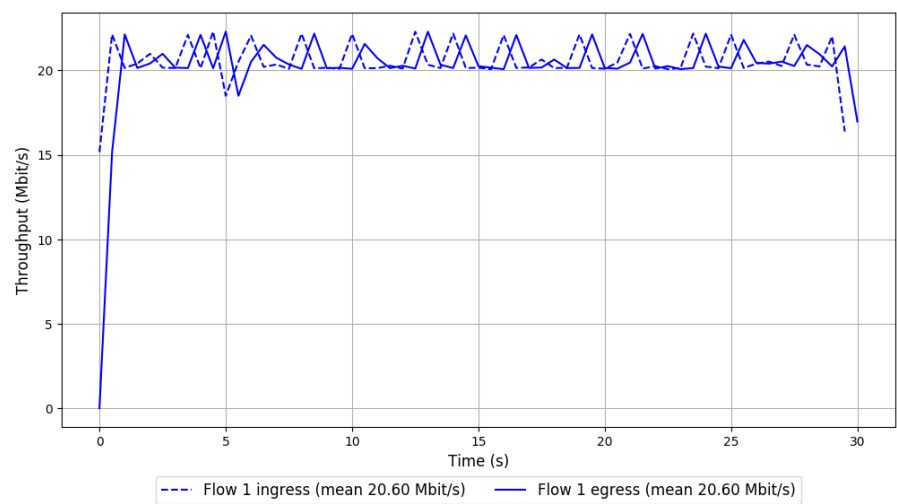


Run 9: Statistics of Sprout

Start at: 2018-08-09 21:02:07
End at: 2018-08-09 21:02:37
Local clock offset: -0.34 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

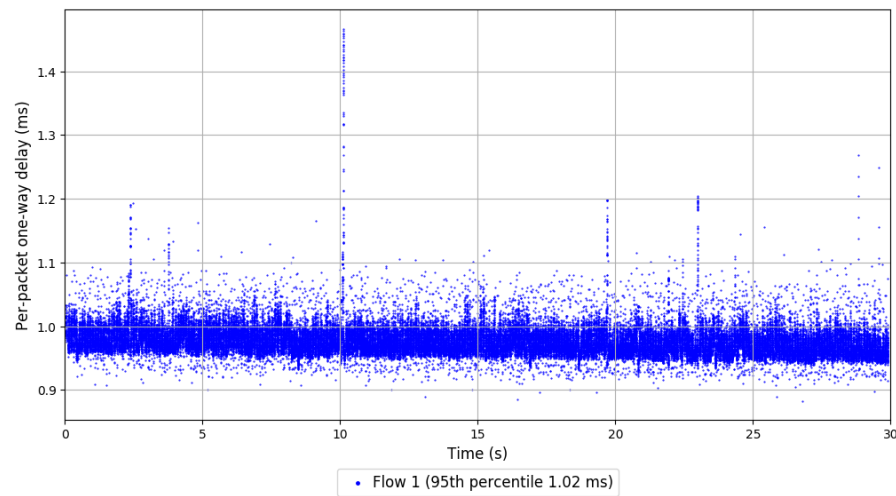
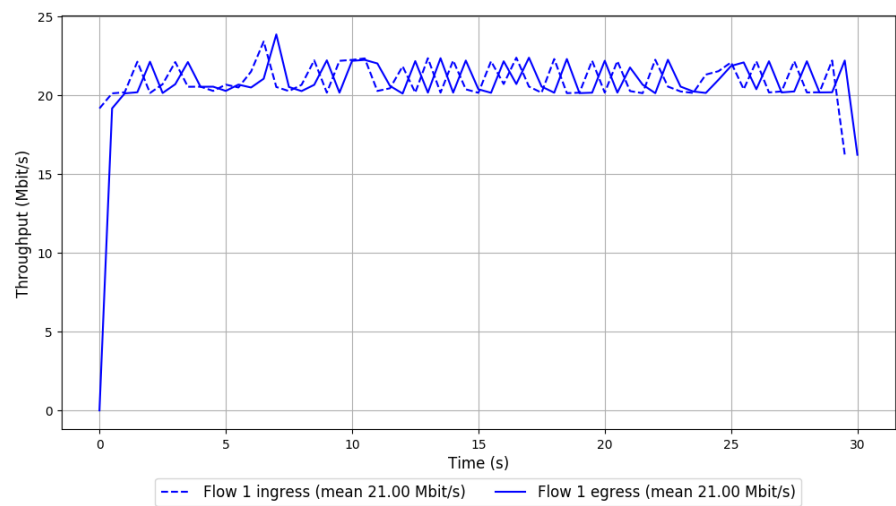


Run 10: Statistics of Sprout

Start at: 2018-08-09 21:28:44
End at: 2018-08-09 21:29:14
Local clock offset: -0.123 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-09 23:30:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

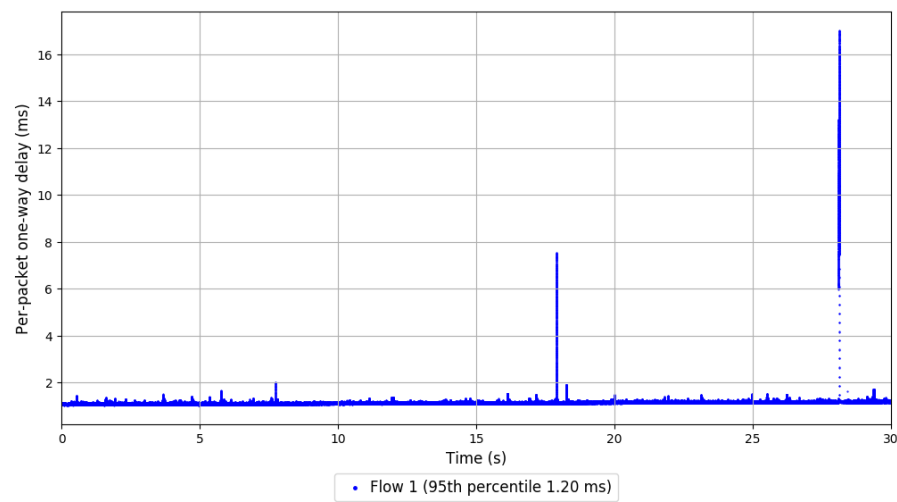
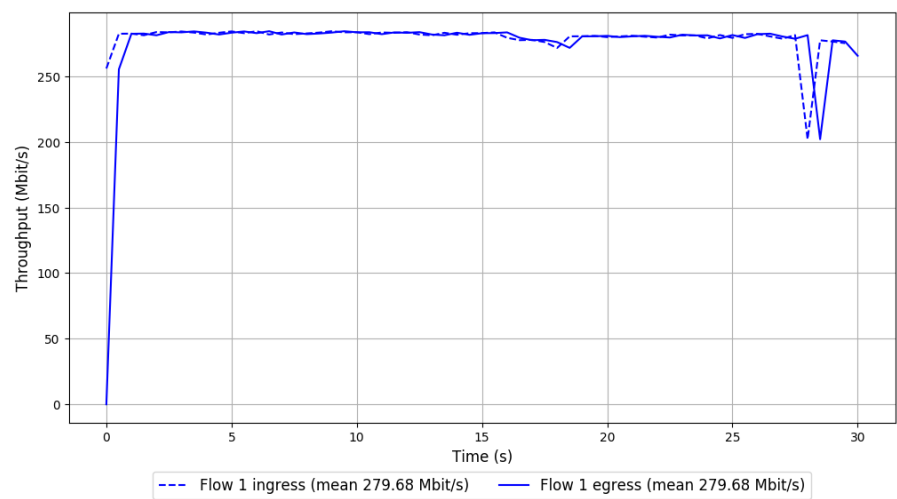


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 17:22:20
End at: 2018-08-09 17:22:50
Local clock offset: 1.811 ms
Remote clock offset: -0.7 ms

# Below is generated by plot.py at 2018-08-09 23:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 279.68 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 279.68 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.06%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 17:48:14

End at: 2018-08-09 17:48:44

Local clock offset: -0.487 ms

Remote clock offset: 0.528 ms

Below is generated by plot.py at 2018-08-09 23:32:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 279.77 Mbit/s

95th percentile per-packet one-way delay: 0.958 ms

Loss rate: 0.07%

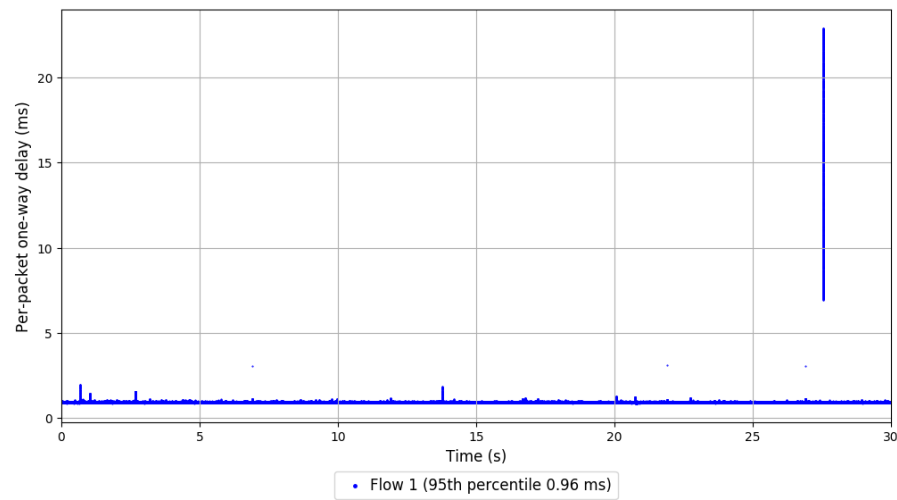
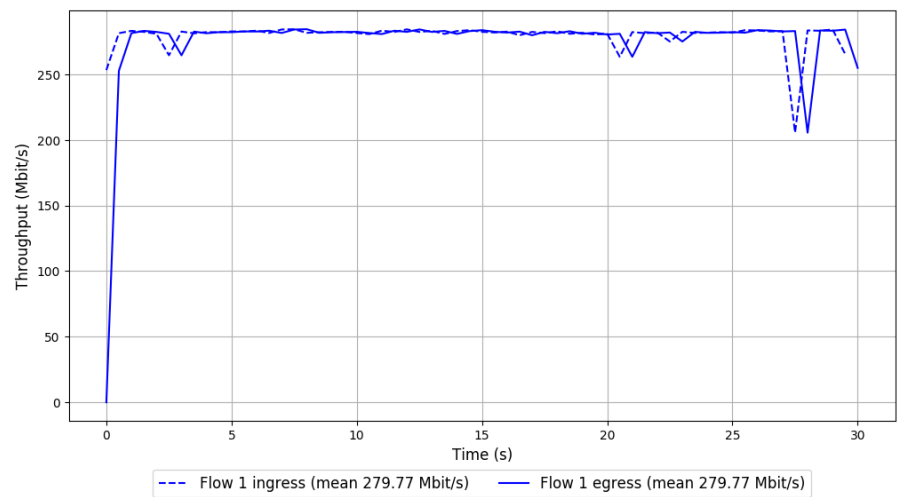
-- Flow 1:

Average throughput: 279.77 Mbit/s

95th percentile per-packet one-way delay: 0.958 ms

Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 18:14:11

End at: 2018-08-09 18:14:41

Local clock offset: -0.233 ms

Remote clock offset: 3.295 ms

Below is generated by plot.py at 2018-08-09 23:32:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.09 Mbit/s

95th percentile per-packet one-way delay: 1.127 ms

Loss rate: 0.06%

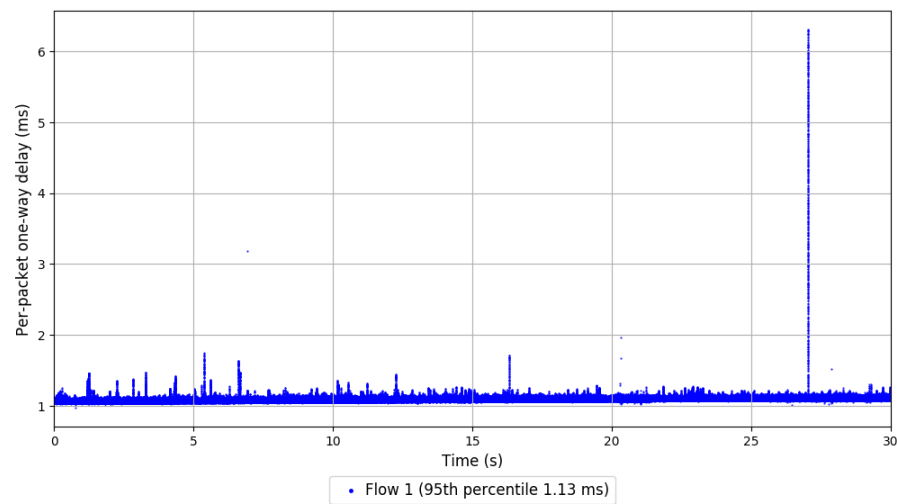
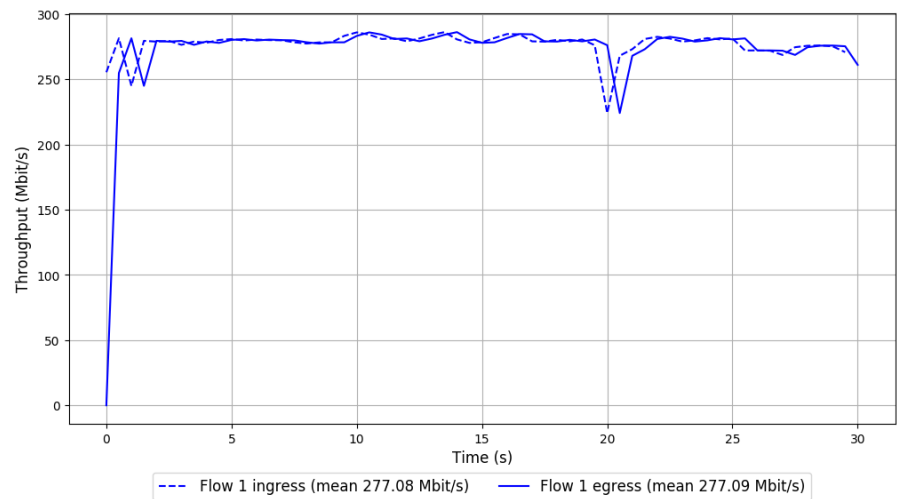
-- Flow 1:

Average throughput: 277.09 Mbit/s

95th percentile per-packet one-way delay: 1.127 ms

Loss rate: 0.06%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 18:40:02

End at: 2018-08-09 18:40:32

Local clock offset: 0.141 ms

Remote clock offset: 1.619 ms

Below is generated by plot.py at 2018-08-09 23:32:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.22 Mbit/s

95th percentile per-packet one-way delay: 0.809 ms

Loss rate: 0.07%

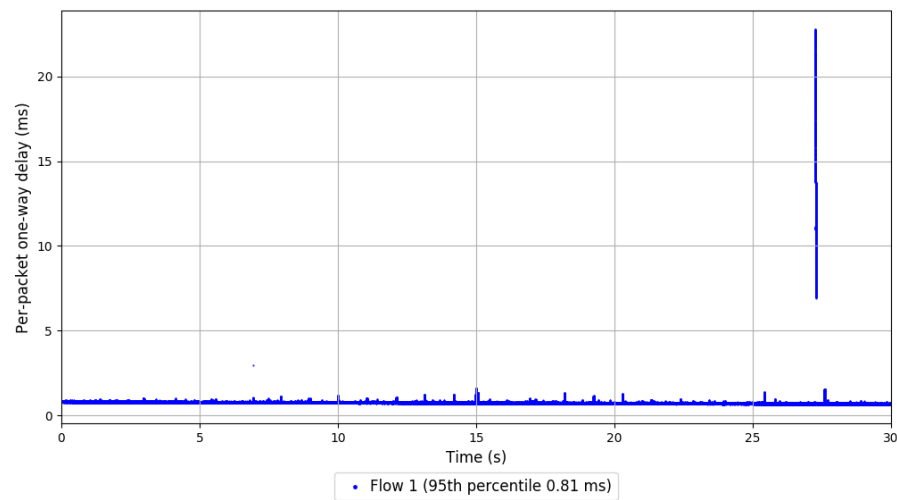
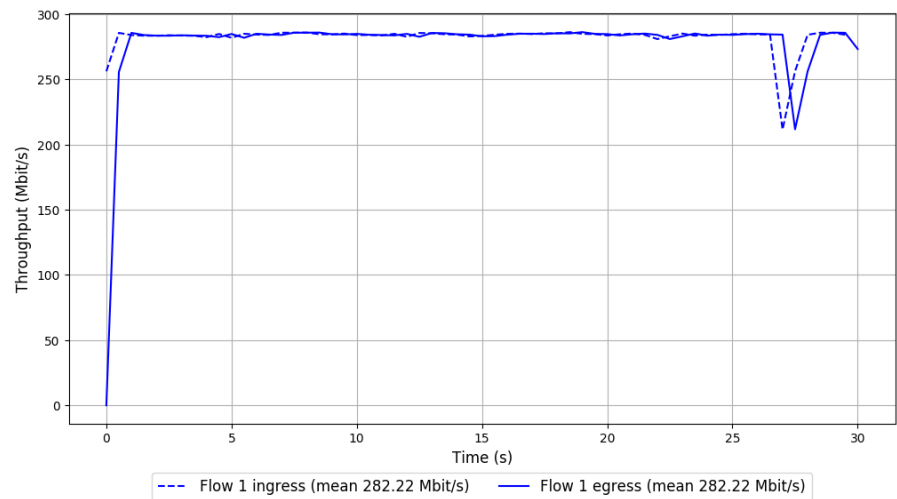
-- Flow 1:

Average throughput: 282.22 Mbit/s

95th percentile per-packet one-way delay: 0.809 ms

Loss rate: 0.07%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 19:06:01

End at: 2018-08-09 19:06:31

Local clock offset: 0.023 ms

Remote clock offset: -1.325 ms

Below is generated by plot.py at 2018-08-09 23:35:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.95 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.07%

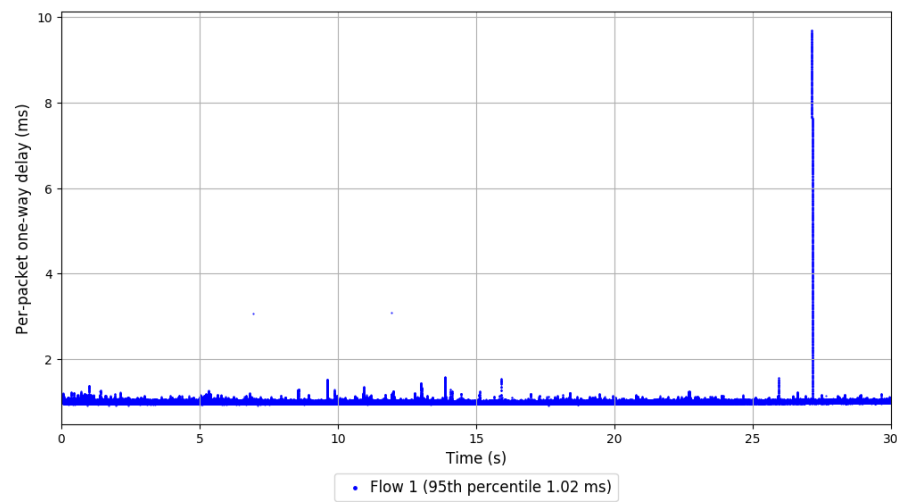
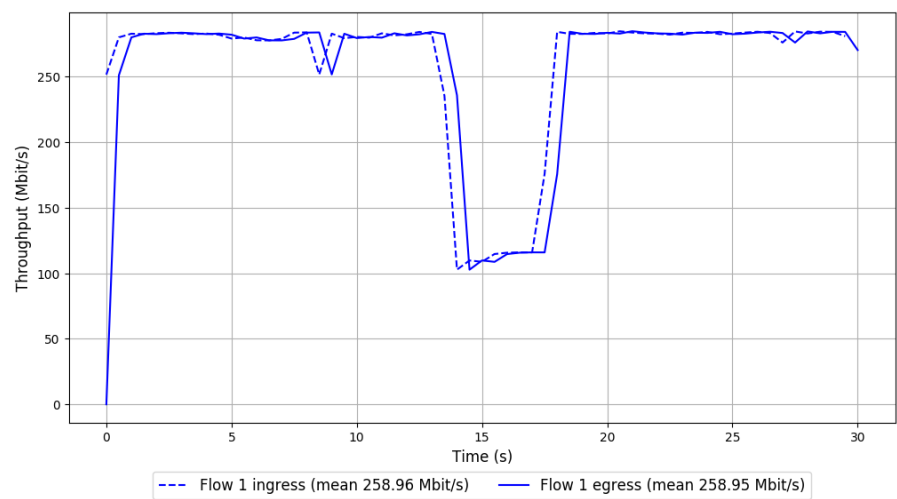
-- Flow 1:

Average throughput: 258.95 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.07%

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

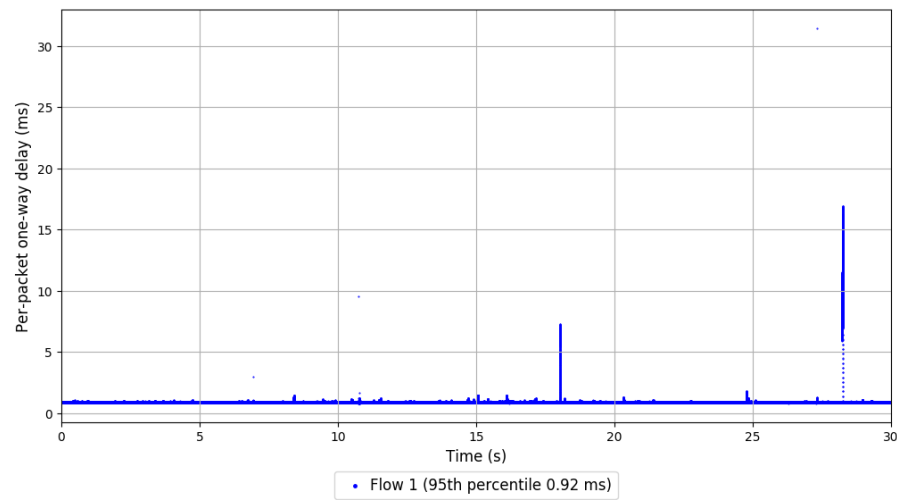
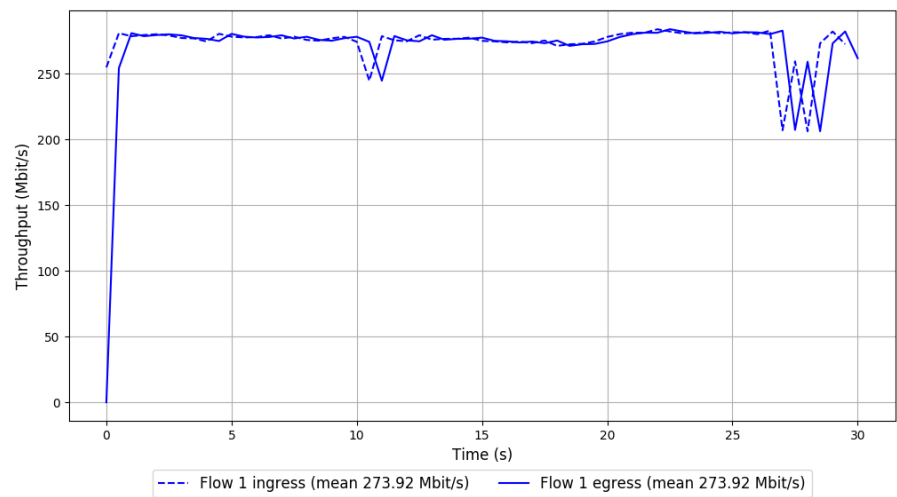


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 19:32:03
End at: 2018-08-09 19:32:33
Local clock offset: -0.023 ms
Remote clock offset: -1.092 ms

Below is generated by plot.py at 2018-08-09 23:36:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.92 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 273.92 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.07%

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

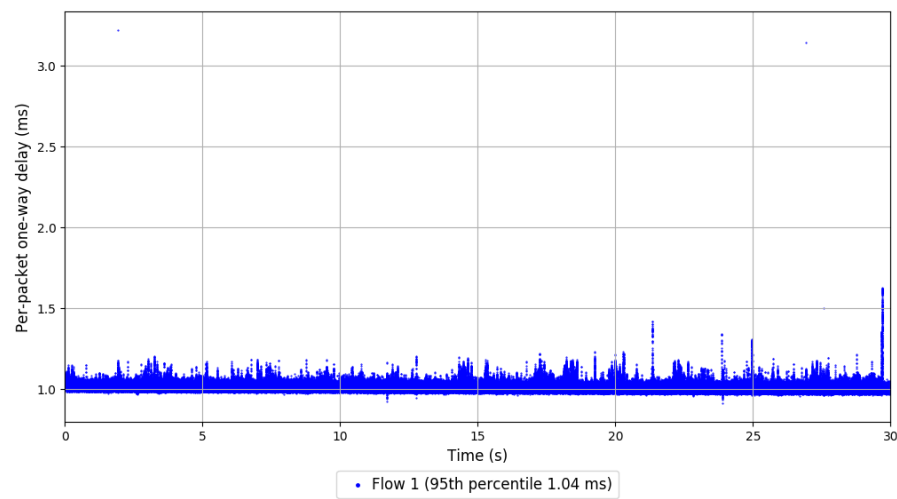
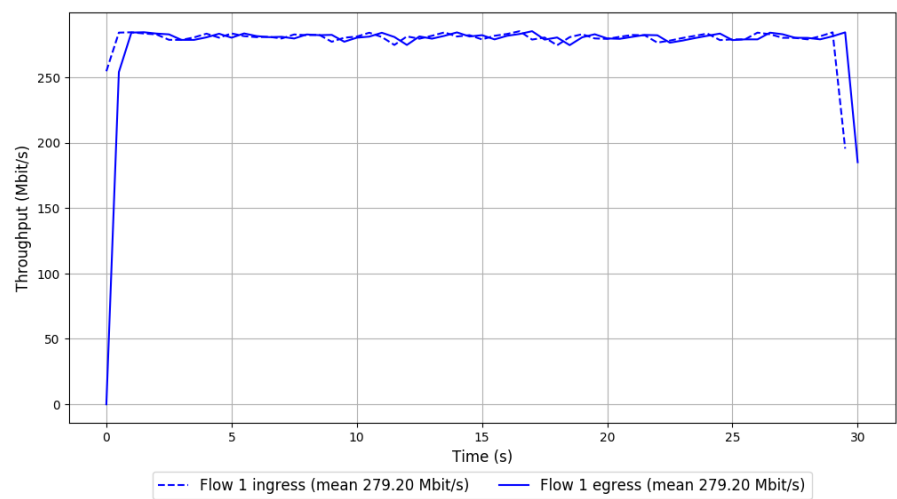


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 19:57:51
End at: 2018-08-09 19:58:21
Local clock offset: 0.052 ms
Remote clock offset: -1.985 ms

Below is generated by plot.py at 2018-08-09 23:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.20 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 279.20 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.07%

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

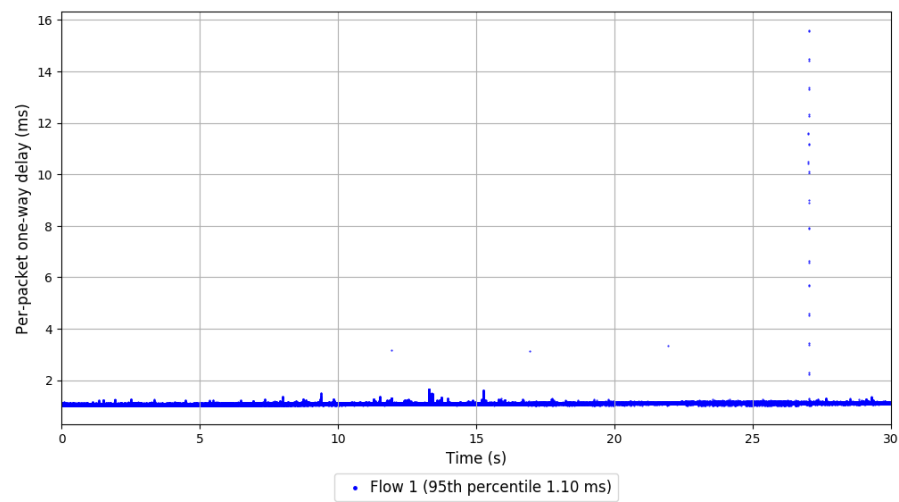
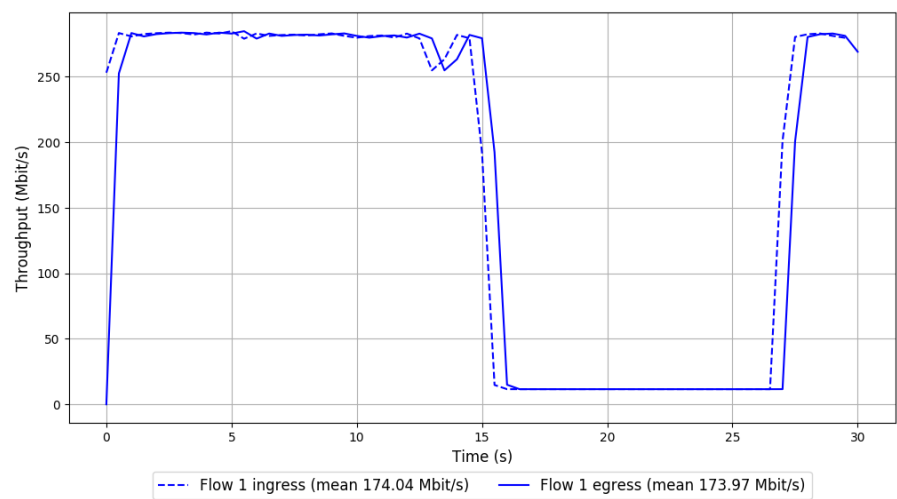


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 20:23:44
End at: 2018-08-09 20:24:14
Local clock offset: -0.148 ms
Remote clock offset: -1.017 ms

Below is generated by plot.py at 2018-08-09 23:36:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.97 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 173.97 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.11%

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



Run 9: Statistics of TaoVA-100x

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

End at: 2018-08-09 20:49:57

Local clock offset: -0.33 ms

Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-09 23:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.83 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.07%

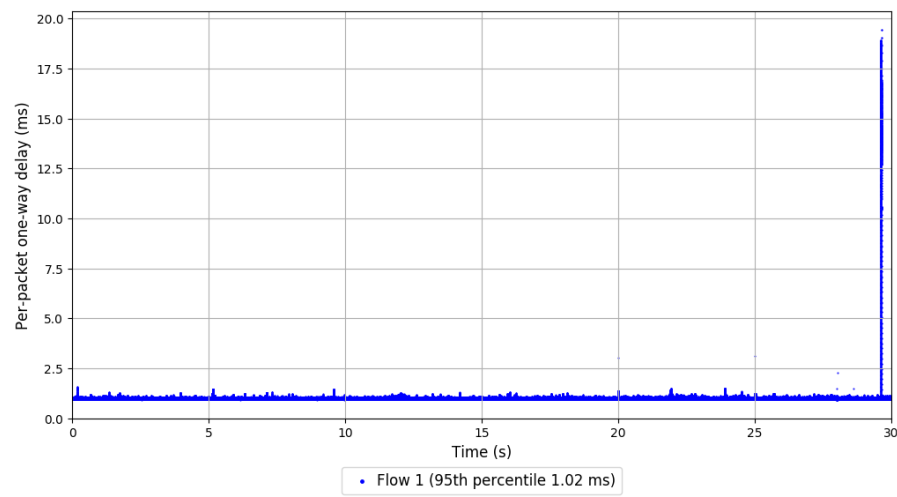
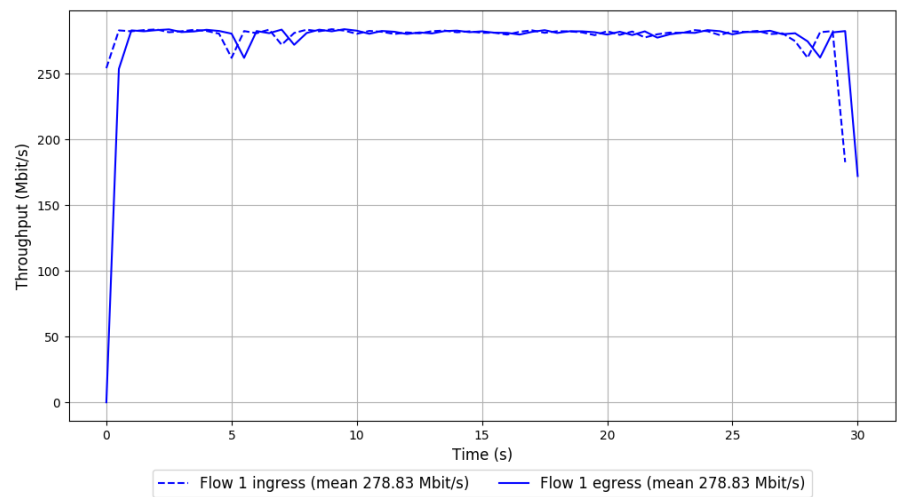
-- Flow 1:

Average throughput: 278.83 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.07%

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



Run 10: Statistics of TaoVA-100x

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

End at: 2018-08-09 21:16:07

Local clock offset: -0.295 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-09 23:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.04 Mbit/s

95th percentile per-packet one-way delay: 1.051 ms

Loss rate: 0.07%

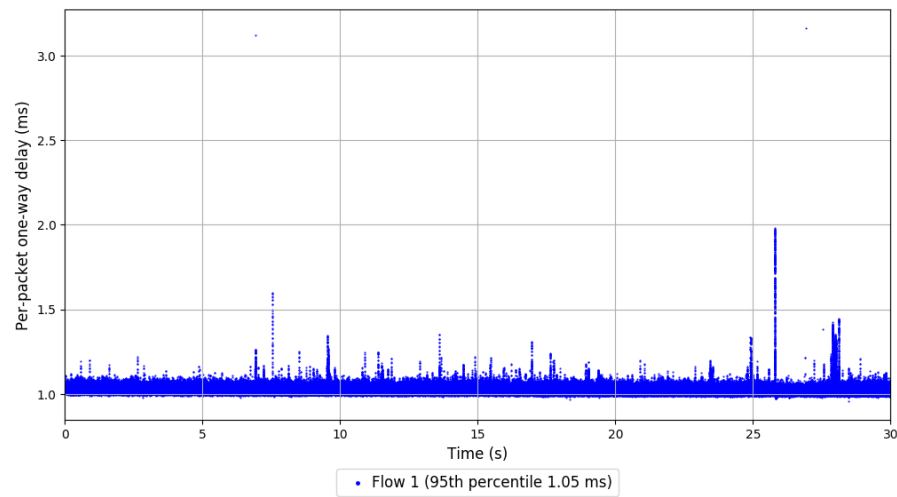
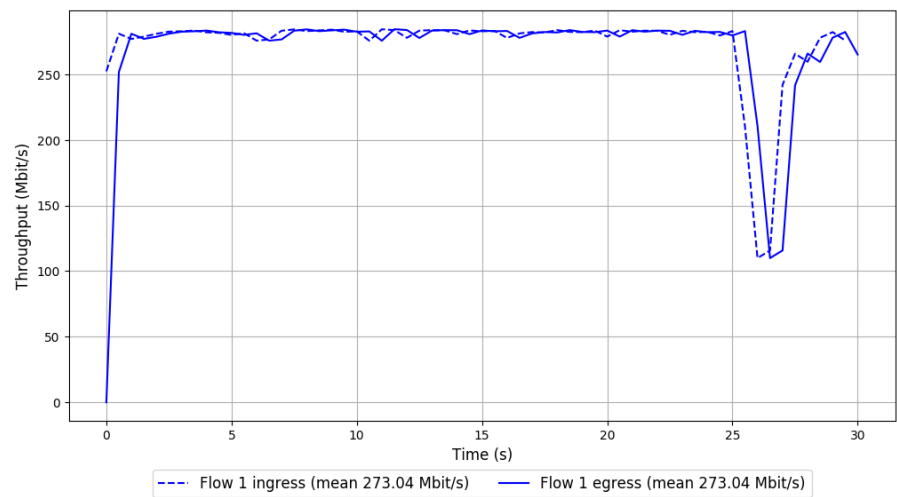
-- Flow 1:

Average throughput: 273.04 Mbit/s

95th percentile per-packet one-way delay: 1.051 ms

Loss rate: 0.07%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 17:28:42

End at: 2018-08-09 17:29:12

Local clock offset: 0.751 ms

Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-08-09 23:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.56 Mbit/s

95th percentile per-packet one-way delay: 1.342 ms

Loss rate: 0.04%

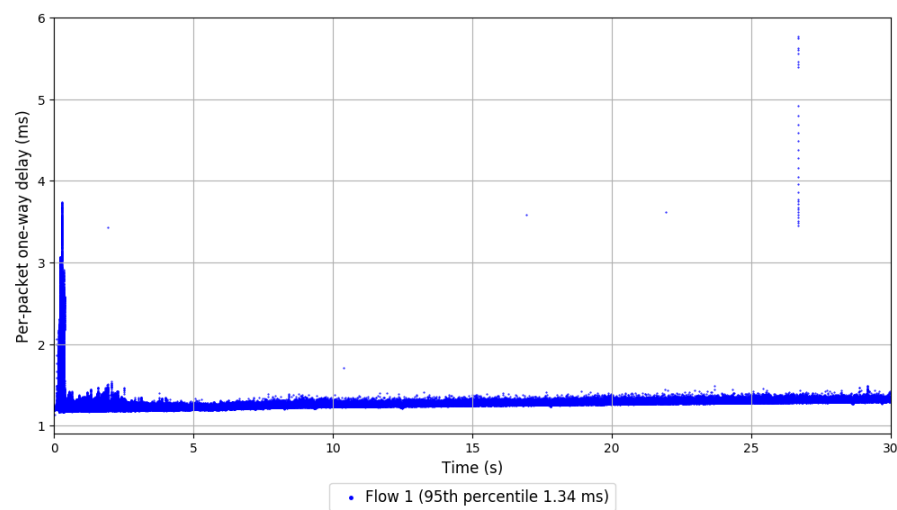
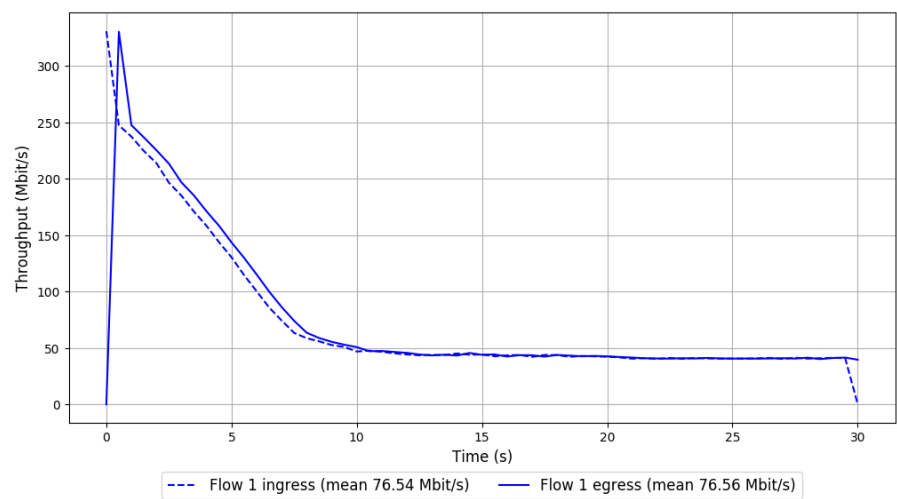
-- Flow 1:

Average throughput: 76.56 Mbit/s

95th percentile per-packet one-way delay: 1.342 ms

Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

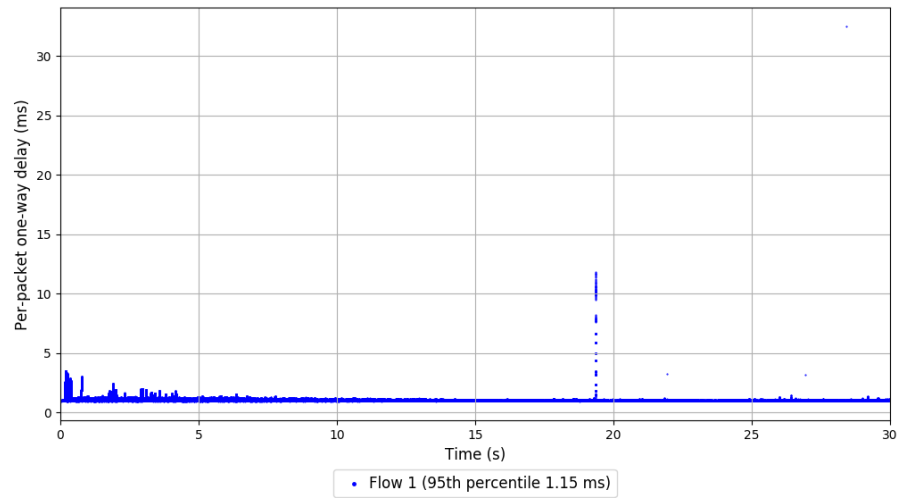
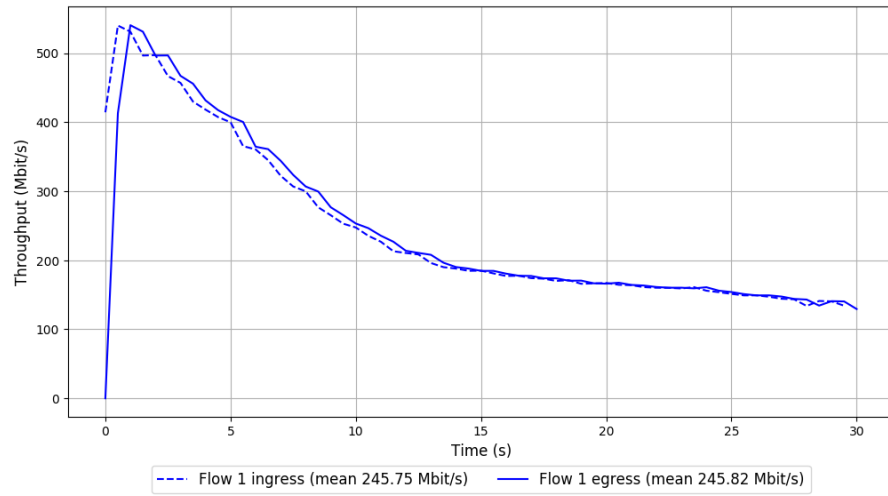


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 17:54:36
End at: 2018-08-09 17:55:06
Local clock offset: -0.301 ms
Remote clock offset: 0.74 ms

Below is generated by plot.py at 2018-08-09 23:38:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.82 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 245.82 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 18:20:37

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

Local clock offset: -0.128 ms

Remote clock offset: 3.796 ms

Below is generated by plot.py at 2018-08-09 23:38:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.48 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.03%

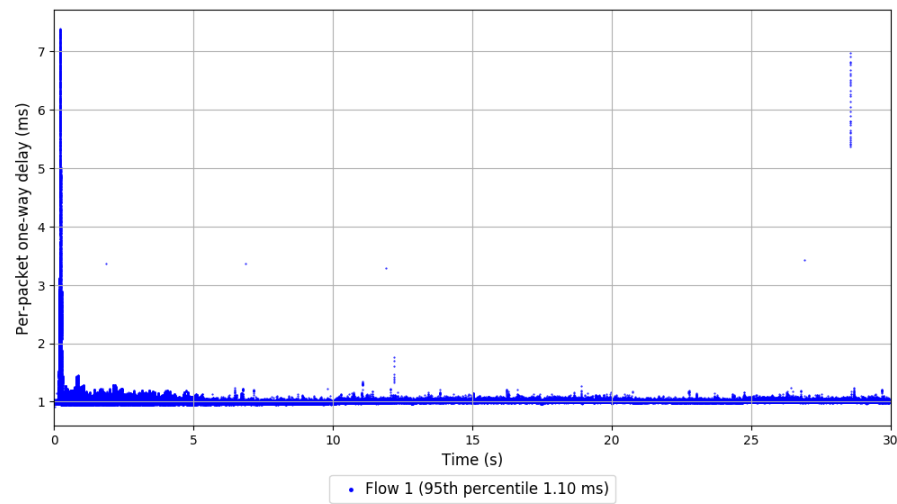
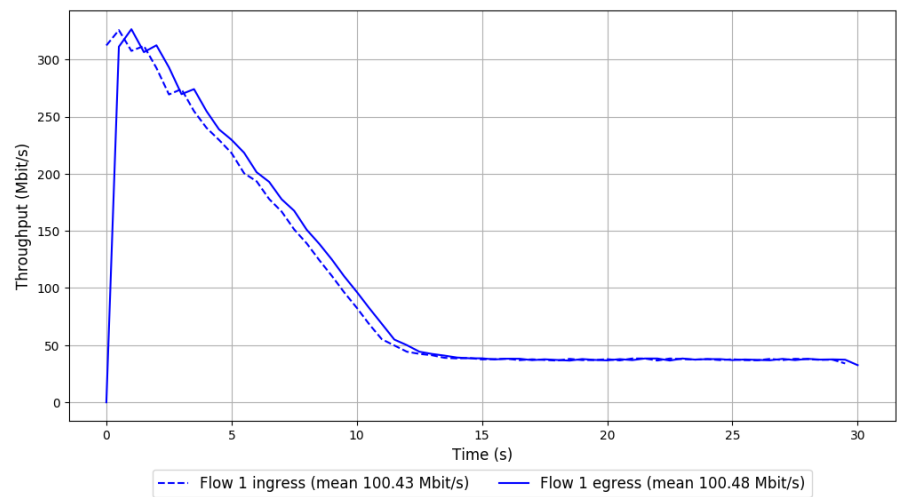
-- Flow 1:

Average throughput: 100.48 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.03%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 18:46:19

End at: 2018-08-09 18:46:49

Local clock offset: 0.264 ms

Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-08-09 23:38:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.27 Mbit/s

95th percentile per-packet one-way delay: 1.196 ms

Loss rate: 0.06%

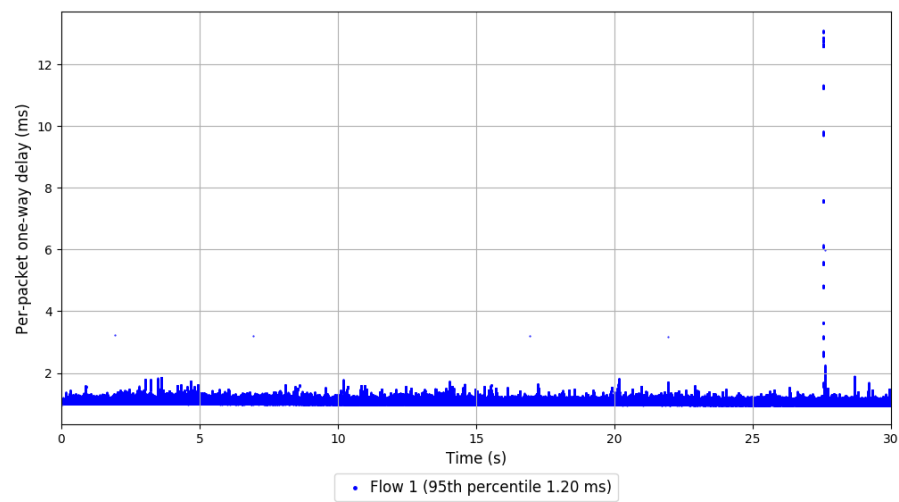
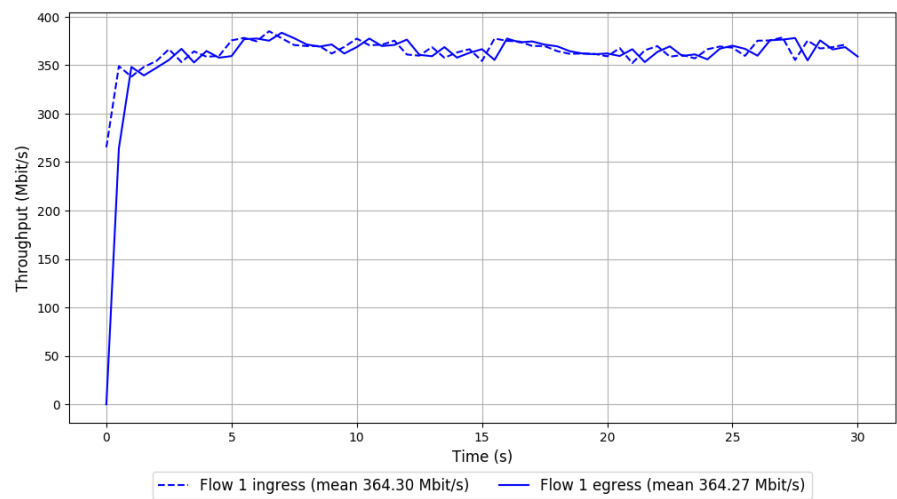
-- Flow 1:

Average throughput: 364.27 Mbit/s

95th percentile per-packet one-way delay: 1.196 ms

Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link

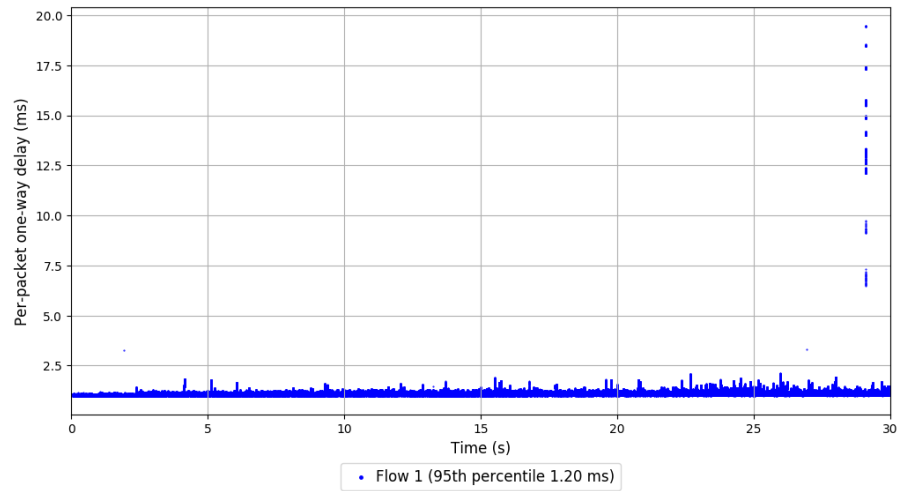
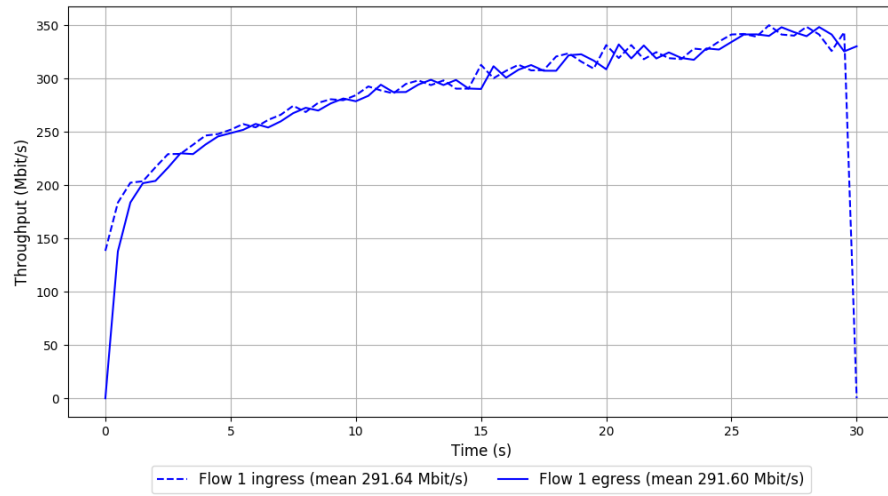


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 19:12:27
End at: 2018-08-09 19:12:57
Local clock offset: 0.041 ms
Remote clock offset: -0.896 ms

Below is generated by plot.py at 2018-08-09 23:38:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.60 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 291.60 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link

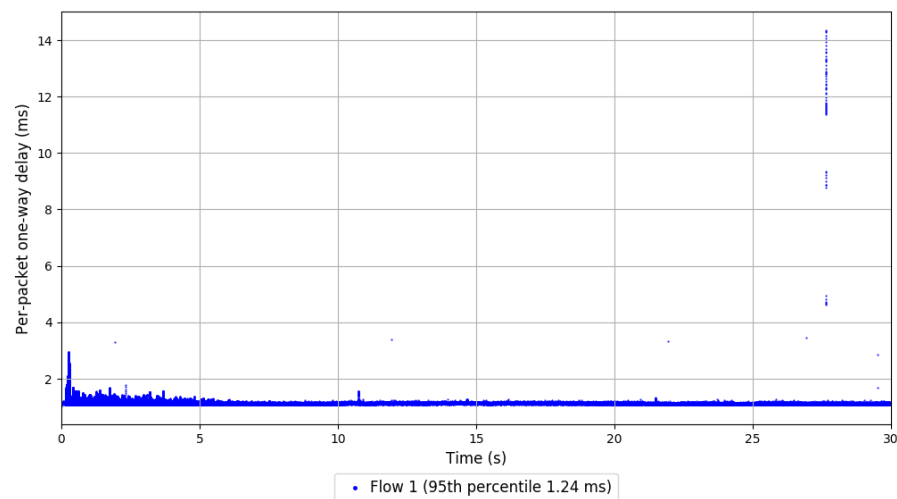
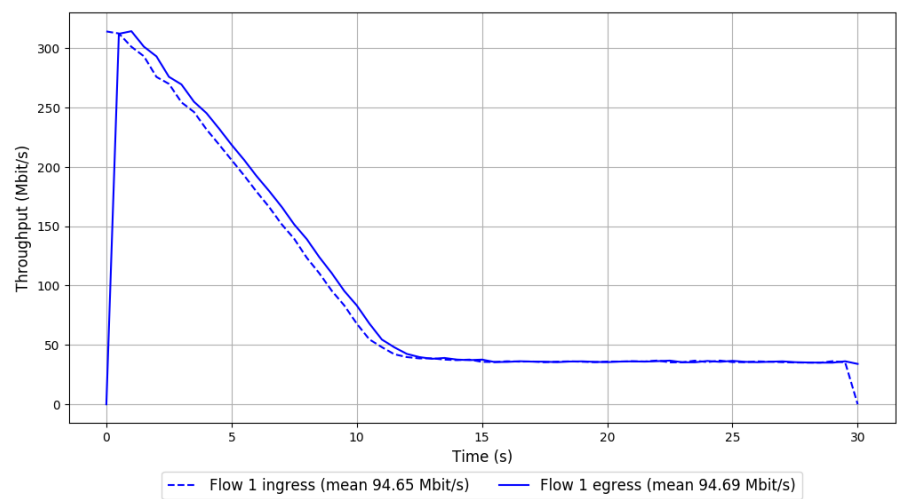


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 19:38:20
End at: 2018-08-09 19:38:50
Local clock offset: 0.111 ms
Remote clock offset: -1.355 ms

Below is generated by plot.py at 2018-08-09 23:38:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

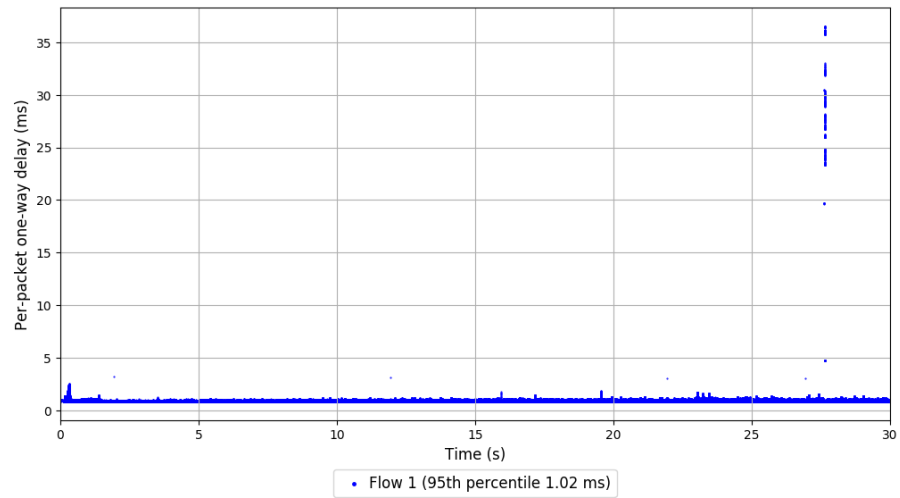
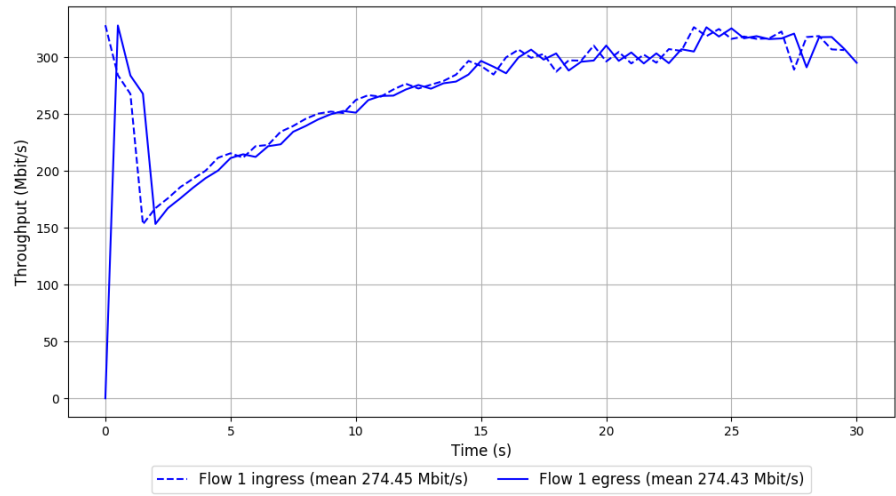


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 20:04:11
End at: 2018-08-09 20:04:41
Local clock offset: -0.001 ms
Remote clock offset: -2.156 ms

Below is generated by plot.py at 2018-08-09 23:38:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.43 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 274.43 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.07%

Run 7: Report of TCP Vegas — Data Link

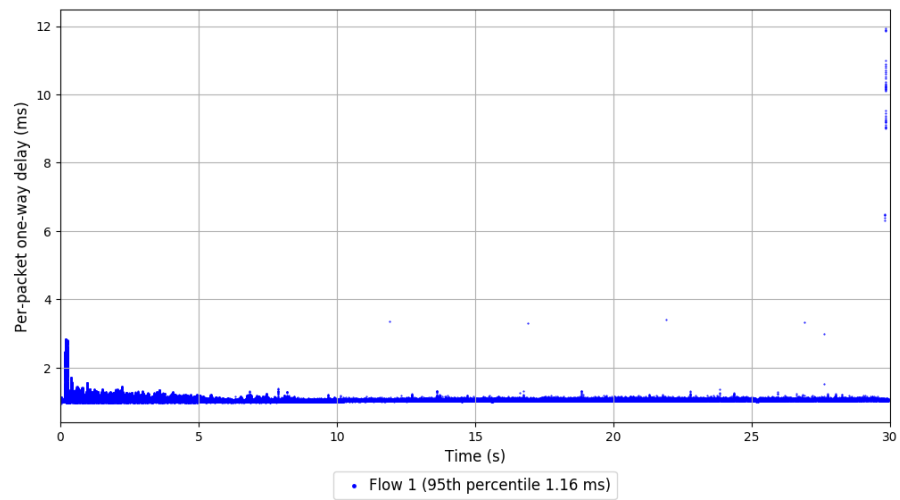
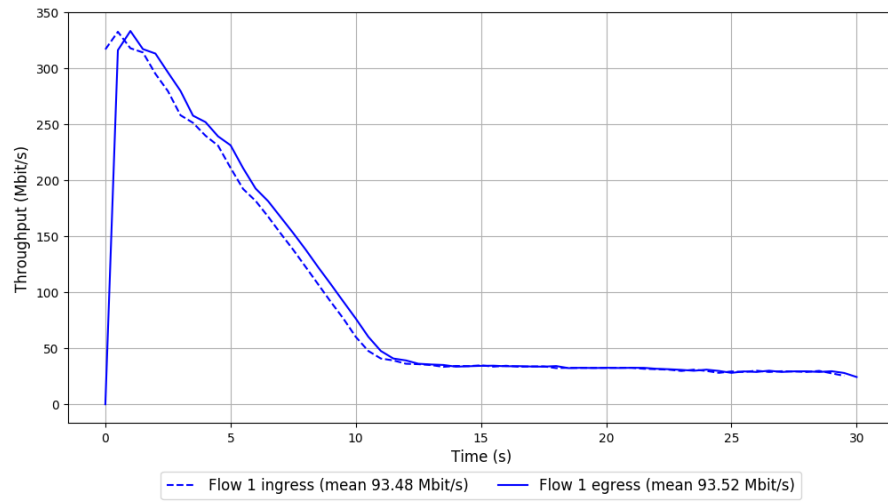


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 20:29:59
End at: 2018-08-09 20:30:29
Local clock offset: -0.368 ms
Remote clock offset: -0.669 ms

Below is generated by plot.py at 2018-08-09 23:38:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

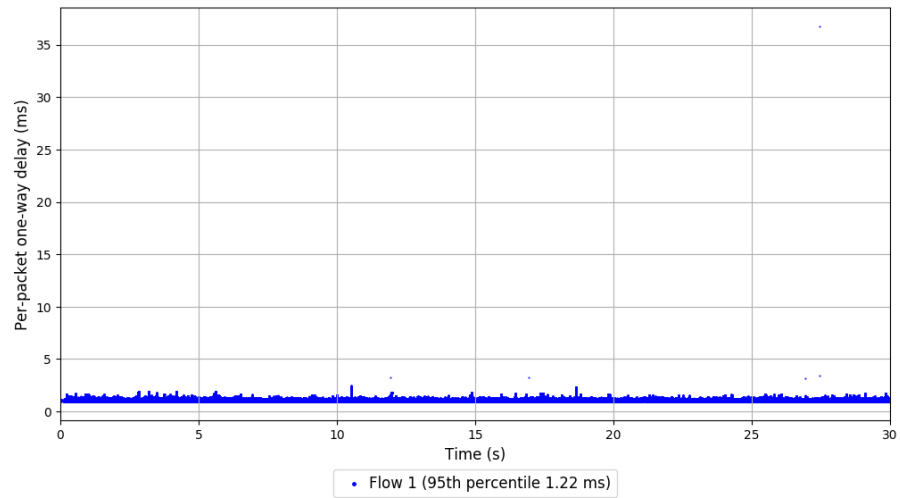
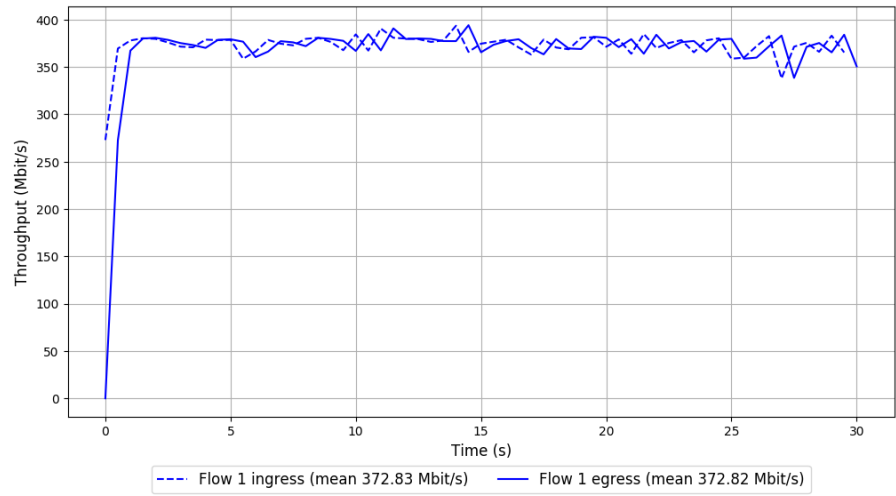


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 20:55:54
End at: 2018-08-09 20:56:24
Local clock offset: -0.353 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-09 23:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 372.82 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 372.82 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.07%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 21:22:03

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

Local clock offset: -0.107 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-09 23:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.93 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.05%

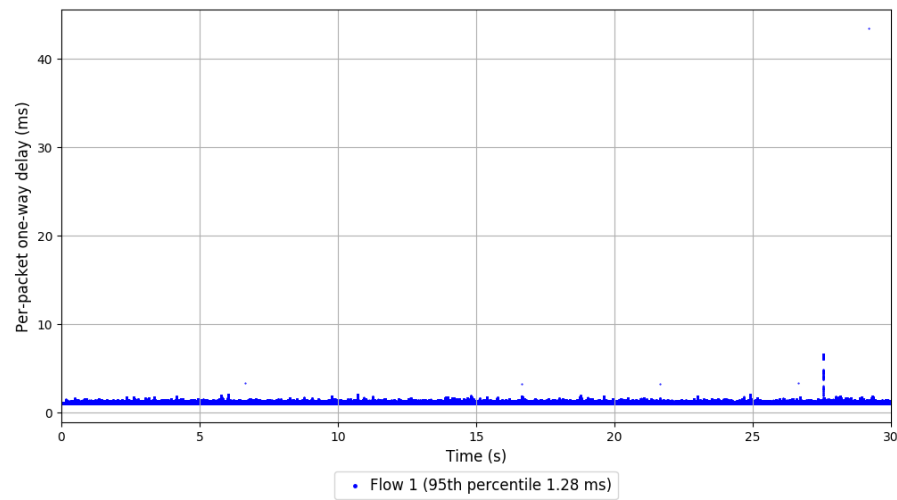
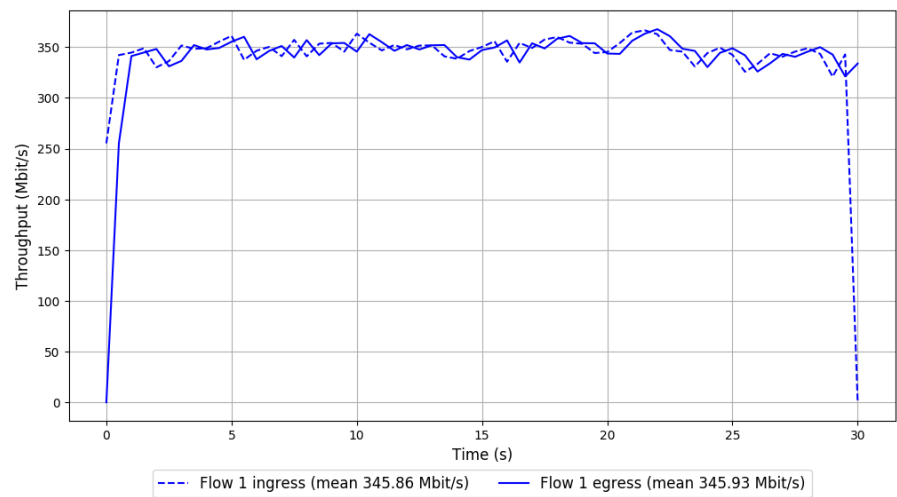
-- Flow 1:

Average throughput: 345.93 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link

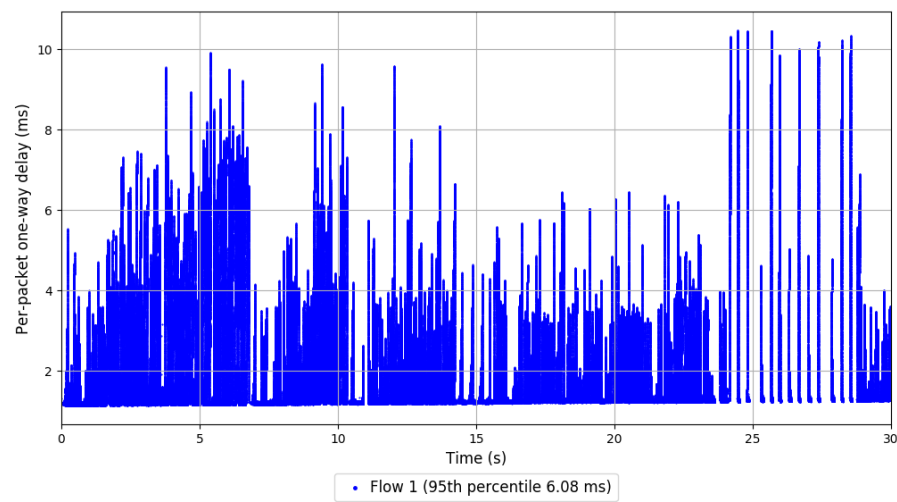
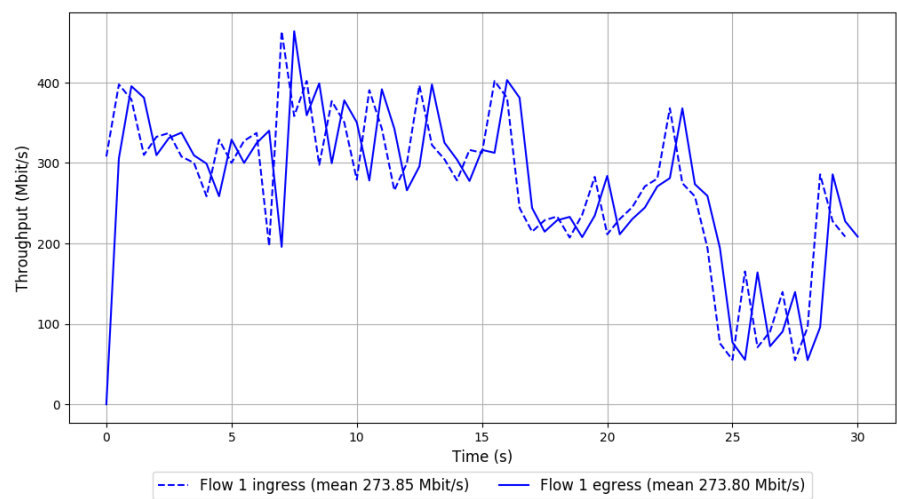


Run 1: Statistics of Verus

Start at: 2018-08-09 17:27:13
End at: 2018-08-09 17:27:43
Local clock offset: 0.932 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-08-09 23:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.80 Mbit/s
95th percentile per-packet one-way delay: 6.075 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 273.80 Mbit/s
95th percentile per-packet one-way delay: 6.075 ms
Loss rate: 0.02%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-09 17:53:08

End at: 2018-08-09 17:53:38

Local clock offset: -0.243 ms

Remote clock offset: 0.761 ms

Below is generated by plot.py at 2018-08-09 23:41:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.57 Mbit/s

95th percentile per-packet one-way delay: 5.660 ms

Loss rate: 0.06%

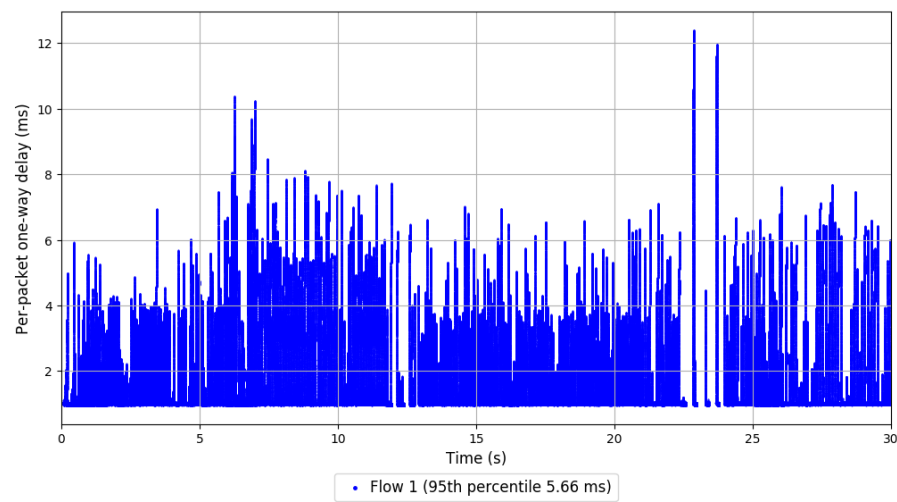
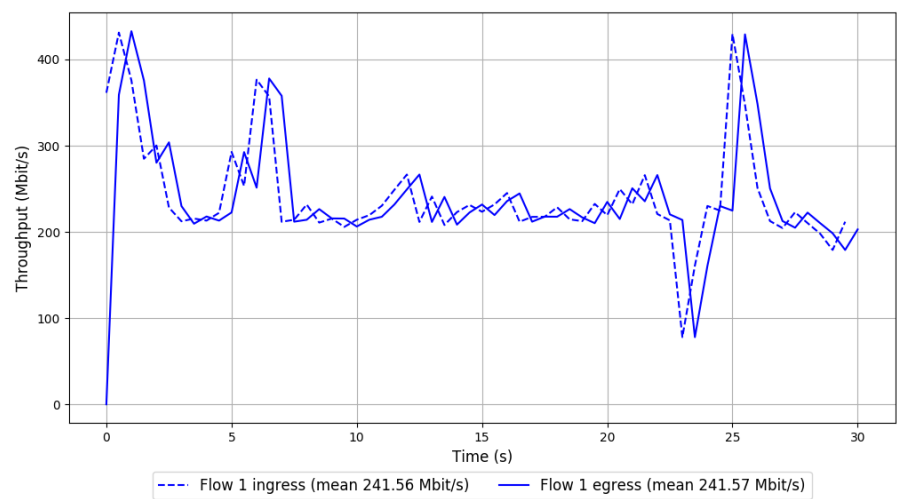
-- Flow 1:

Average throughput: 241.57 Mbit/s

95th percentile per-packet one-way delay: 5.660 ms

Loss rate: 0.06%

Run 2: Report of Verus — Data Link

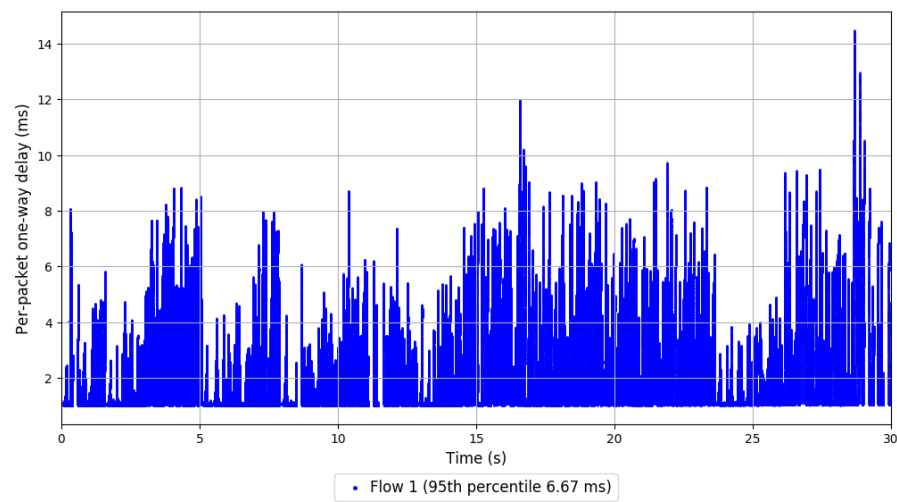
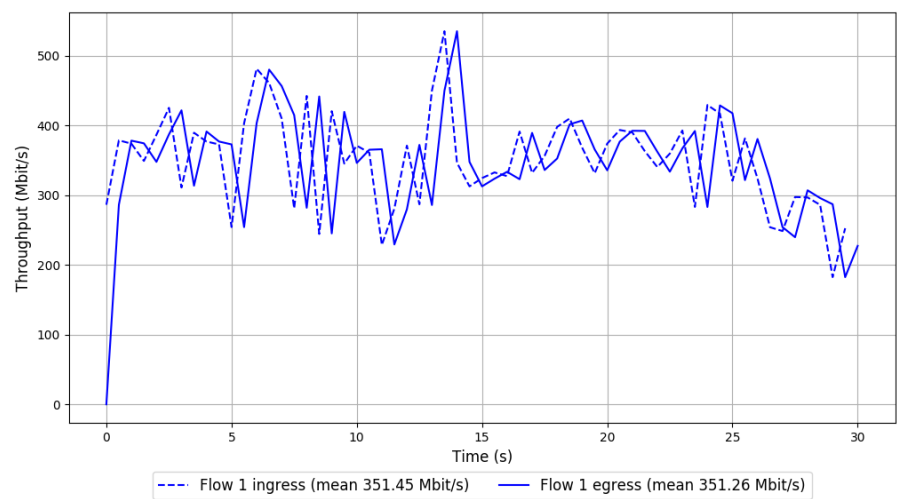


Run 3: Statistics of Verus

Start at: 2018-08-09 18:19:04
End at: 2018-08-09 18:19:34
Local clock offset: -0.084 ms
Remote clock offset: 3.712 ms

Below is generated by plot.py at 2018-08-09 23:42:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 351.26 Mbit/s
95th percentile per-packet one-way delay: 6.666 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 351.26 Mbit/s
95th percentile per-packet one-way delay: 6.666 ms
Loss rate: 0.12%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-09 18:44:52

End at: 2018-08-09 18:45:22

Local clock offset: 0.255 ms

Remote clock offset: 0.539 ms

Below is generated by plot.py at 2018-08-09 23:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.38 Mbit/s

95th percentile per-packet one-way delay: 3.313 ms

Loss rate: 0.06%

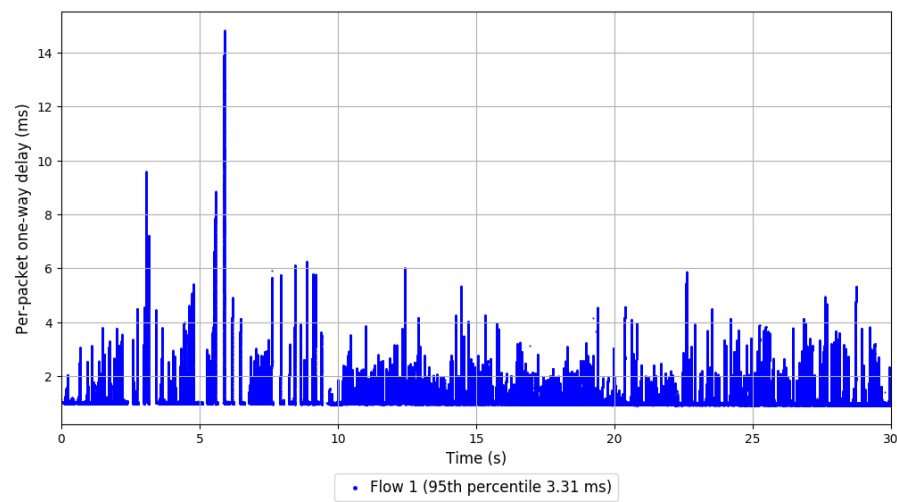
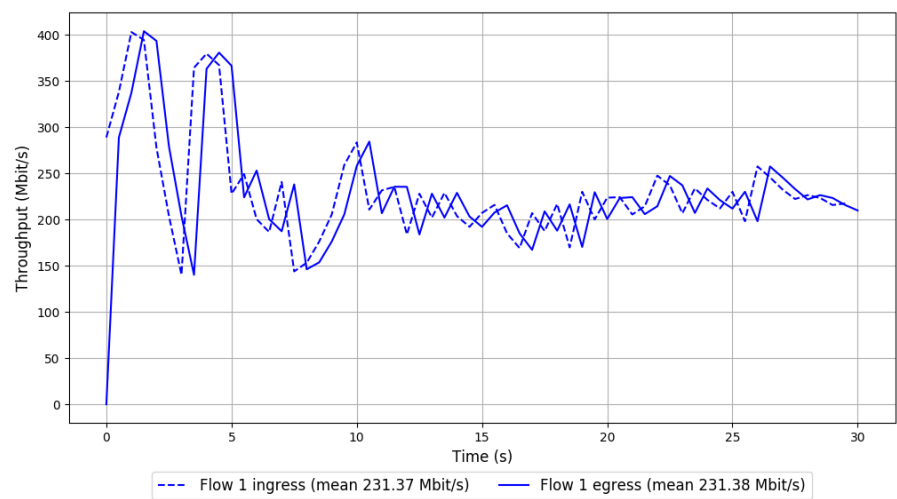
-- Flow 1:

Average throughput: 231.38 Mbit/s

95th percentile per-packet one-way delay: 3.313 ms

Loss rate: 0.06%

Run 4: Report of Verus — Data Link

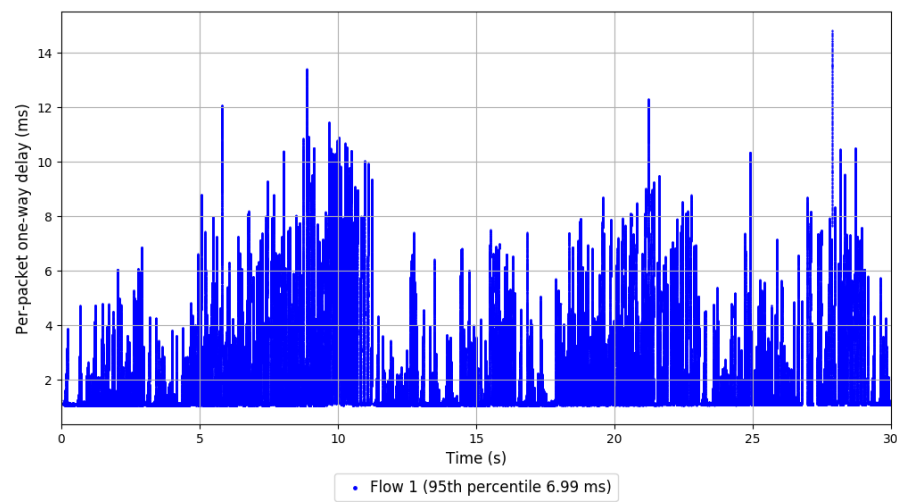
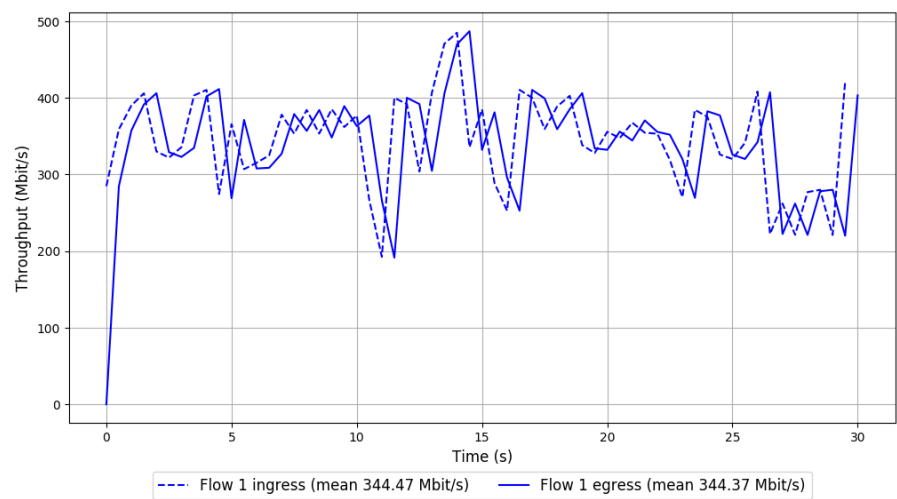


Run 5: Statistics of Verus

Start at: 2018-08-09 19:10:55
End at: 2018-08-09 19:11:25
Local clock offset: 0.046 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2018-08-09 23:42:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.37 Mbit/s
95th percentile per-packet one-way delay: 6.992 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 344.37 Mbit/s
95th percentile per-packet one-way delay: 6.992 ms
Loss rate: 0.09%

Run 5: Report of Verus — Data Link

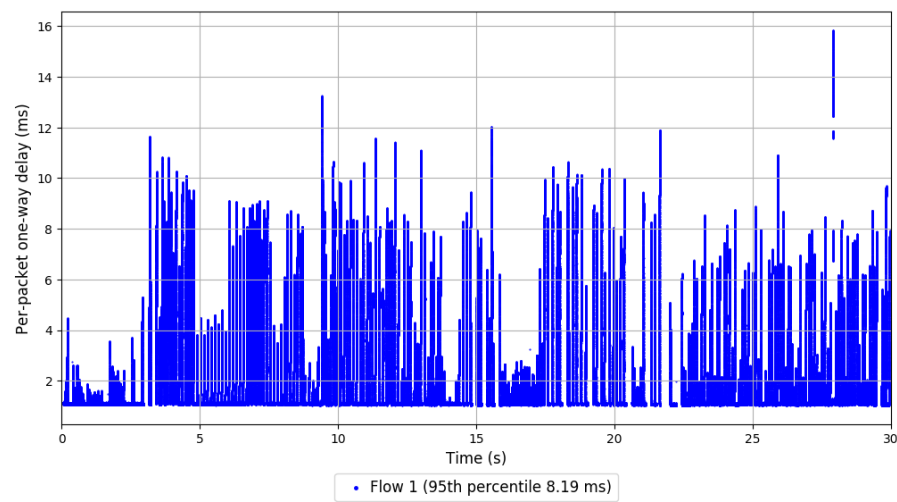
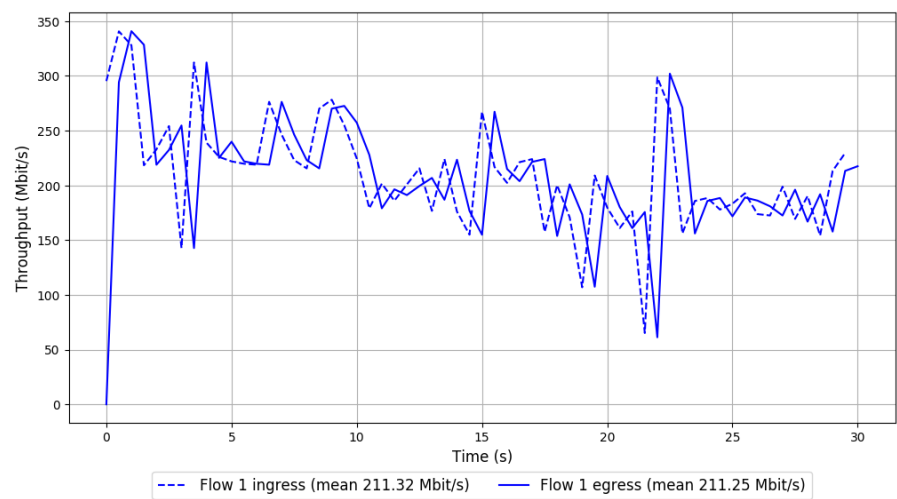


Run 6: Statistics of Verus

Start at: 2018-08-09 19:36:54
End at: 2018-08-09 19:37:24
Local clock offset: 0.082 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-08-09 23:42:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.25 Mbit/s
95th percentile per-packet one-way delay: 8.188 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 211.25 Mbit/s
95th percentile per-packet one-way delay: 8.188 ms
Loss rate: 0.10%

Run 6: Report of Verus — Data Link

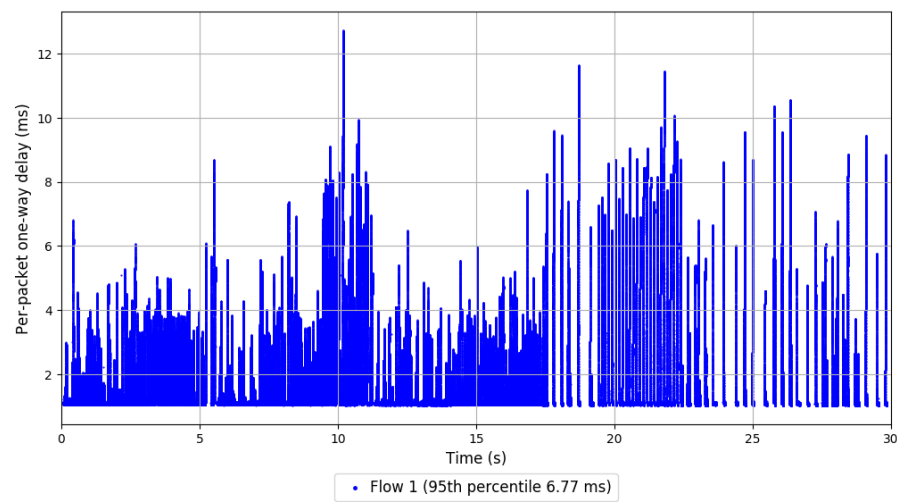
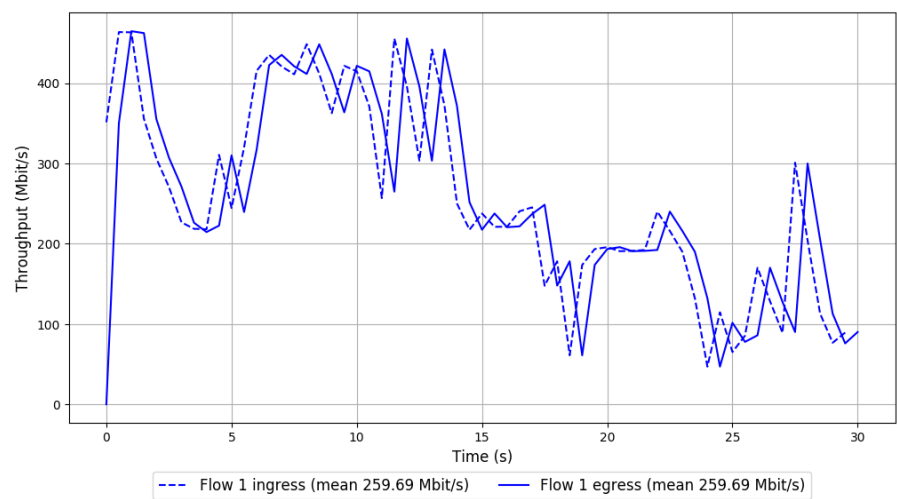


Run 7: Statistics of Verus

Start at: 2018-08-09 20:02:43
End at: 2018-08-09 20:03:13
Local clock offset: 0.086 ms
Remote clock offset: -2.189 ms

Below is generated by plot.py at 2018-08-09 23:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.69 Mbit/s
95th percentile per-packet one-way delay: 6.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 259.69 Mbit/s
95th percentile per-packet one-way delay: 6.771 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

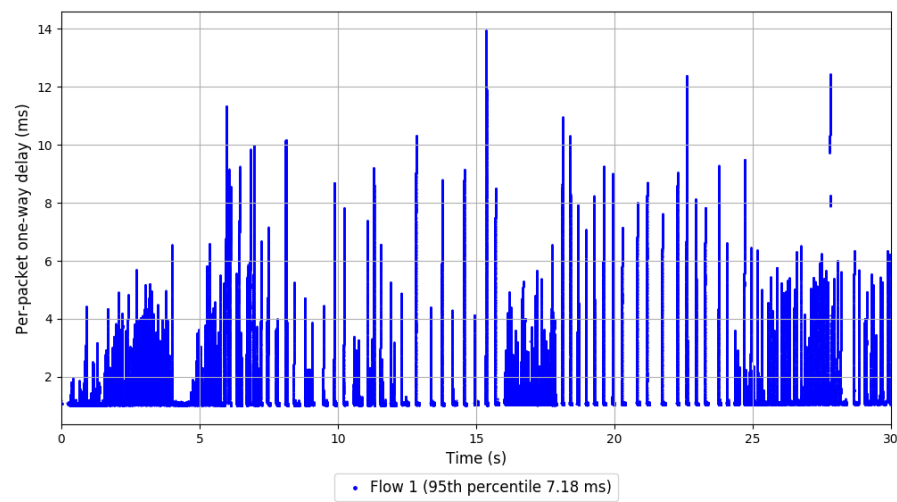
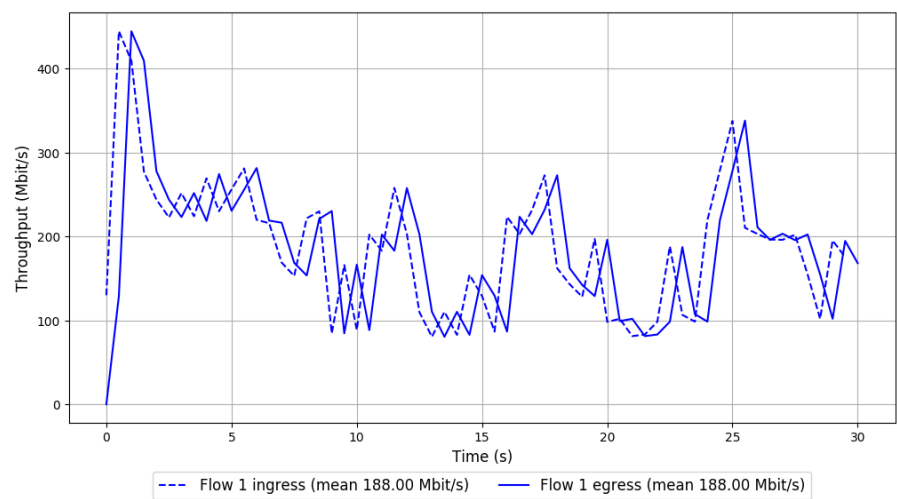


Run 8: Statistics of Verus

Start at: 2018-08-09 20:28:33
End at: 2018-08-09 20:29:03
Local clock offset: -0.252 ms
Remote clock offset: -0.675 ms

Below is generated by plot.py at 2018-08-09 23:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.00 Mbit/s
95th percentile per-packet one-way delay: 7.183 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 188.00 Mbit/s
95th percentile per-packet one-way delay: 7.183 ms
Loss rate: 0.07%

Run 8: Report of Verus — Data Link

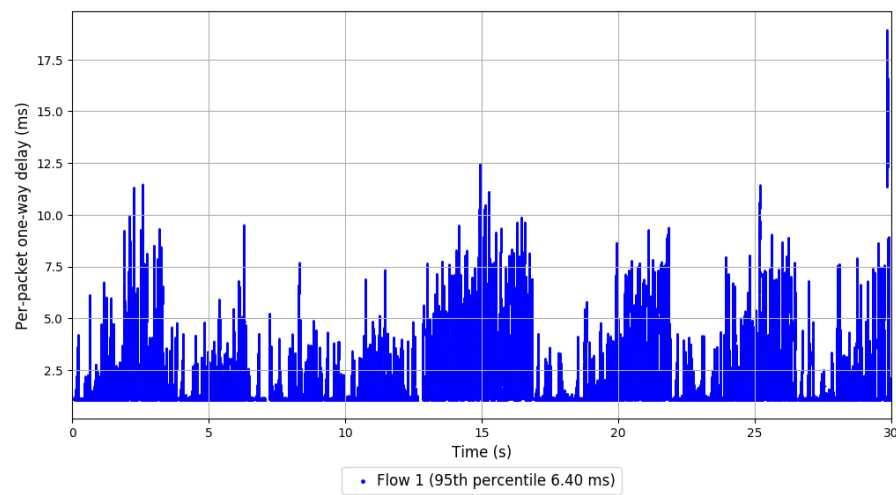
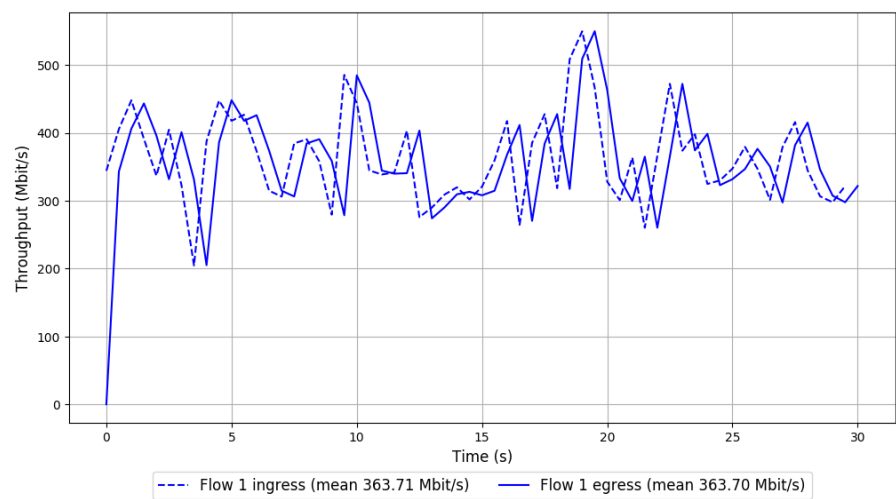


Run 9: Statistics of Verus

Start at: 2018-08-09 20:54:22
End at: 2018-08-09 20:54:52
Local clock offset: -0.349 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-08-09 23:44:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.70 Mbit/s
95th percentile per-packet one-way delay: 6.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 363.70 Mbit/s
95th percentile per-packet one-way delay: 6.401 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-09 21:20:32

End at: 2018-08-09 21:21:02

Local clock offset: -0.163 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2018-08-09 23:44:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.22 Mbit/s

95th percentile per-packet one-way delay: 7.699 ms

Loss rate: 0.00%

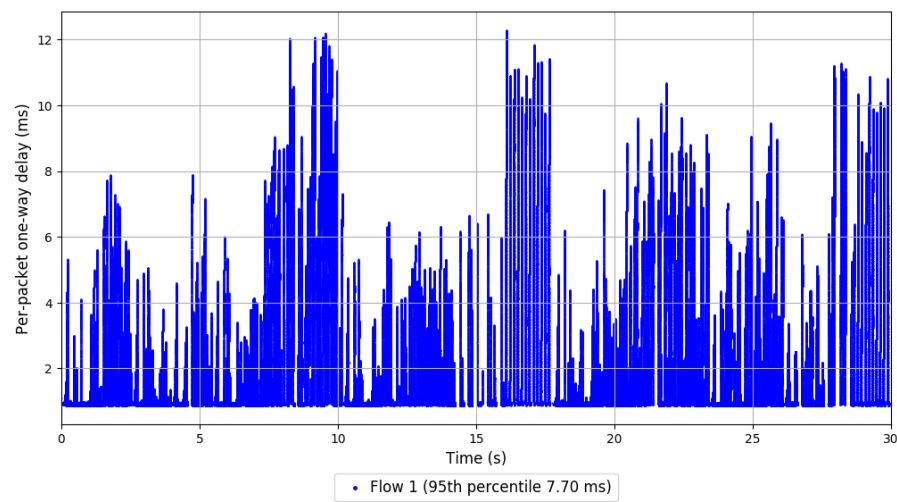
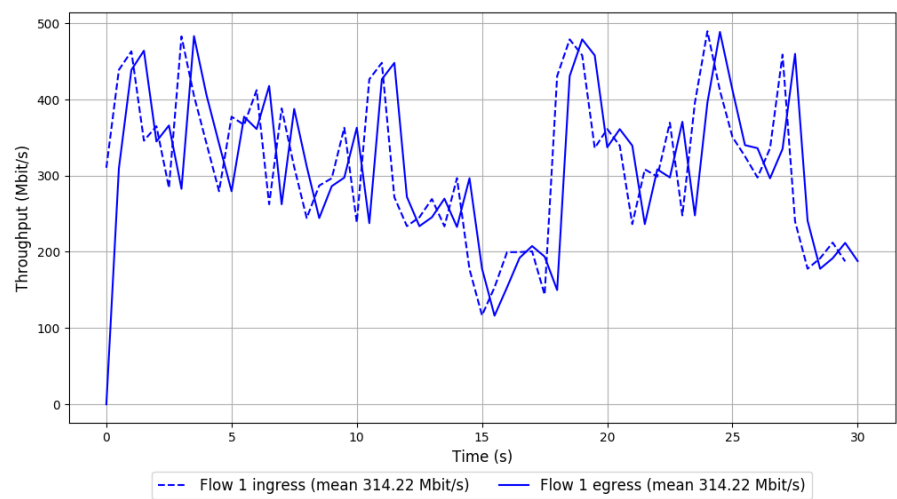
-- Flow 1:

Average throughput: 314.22 Mbit/s

95th percentile per-packet one-way delay: 7.699 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link

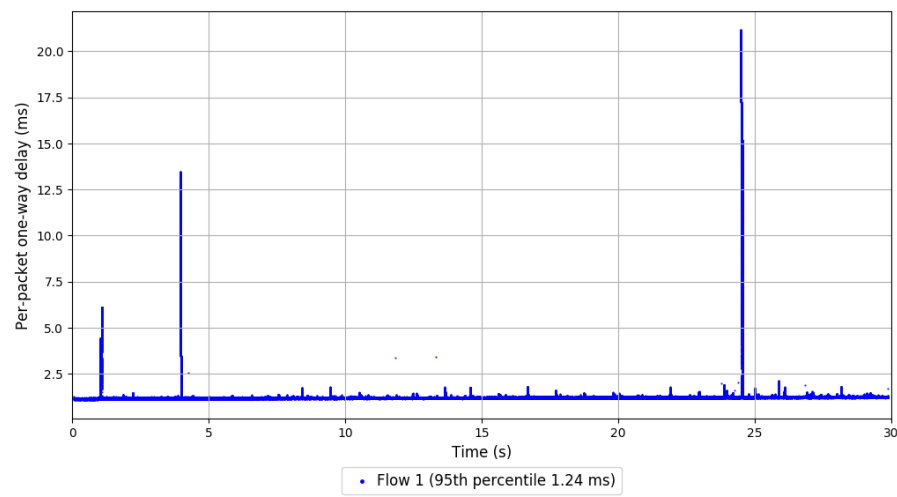
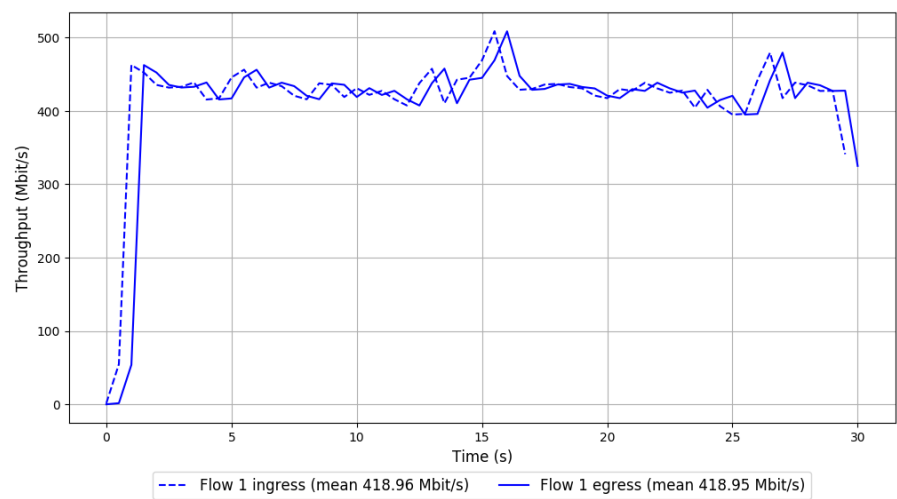


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 17:30:01
End at: 2018-08-09 17:30:31
Local clock offset: 0.578 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-08-09 23:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.95 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 418.95 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.07%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 17:56:01

End at: 2018-08-09 17:56:31

Local clock offset: -0.175 ms

Remote clock offset: 0.846 ms

Below is generated by plot.py at 2018-08-09 23:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.17 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.07%

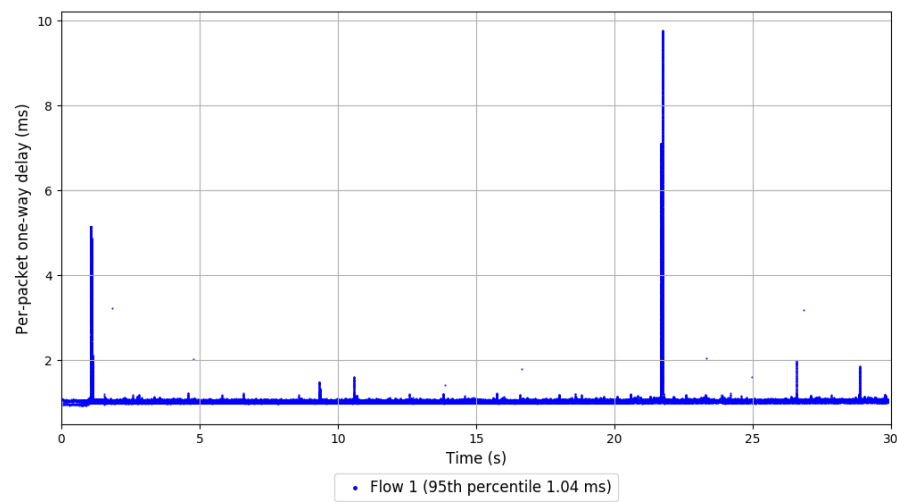
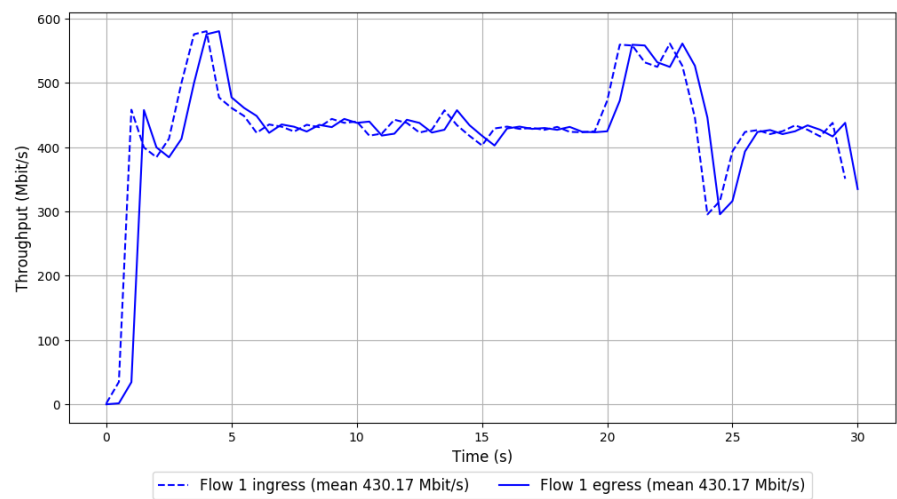
-- Flow 1:

Average throughput: 430.17 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.07%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 18:21:57

End at: 2018-08-09 18:22:27

Local clock offset: -0.09 ms

Remote clock offset: 4.005 ms

Below is generated by plot.py at 2018-08-09 23:47:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 406.68 Mbit/s

95th percentile per-packet one-way delay: 0.864 ms

Loss rate: 0.07%

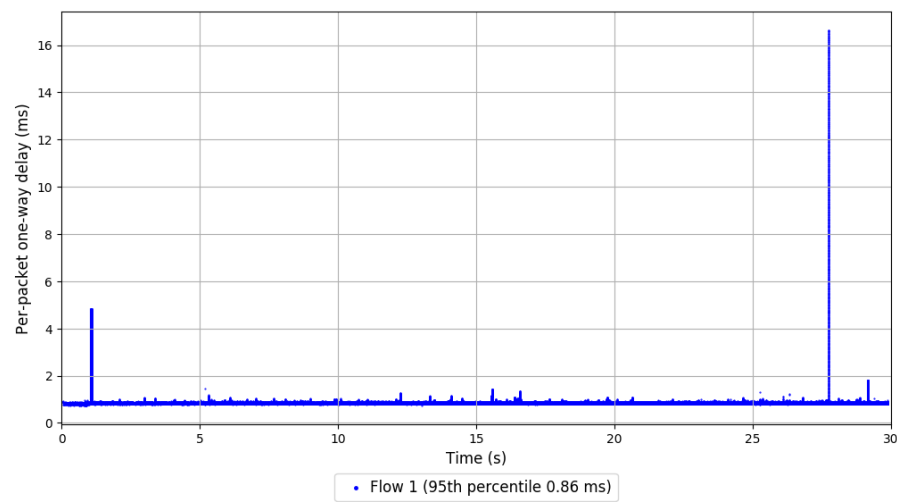
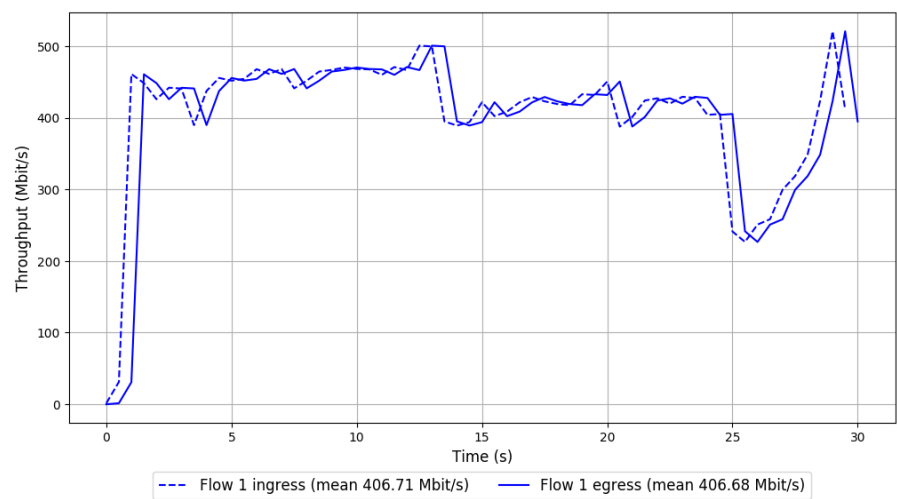
-- Flow 1:

Average throughput: 406.68 Mbit/s

95th percentile per-packet one-way delay: 0.864 ms

Loss rate: 0.07%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 18:47:47

End at: 2018-08-09 18:48:17

Local clock offset: 0.227 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-08-09 23:47:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 420.68 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.07%

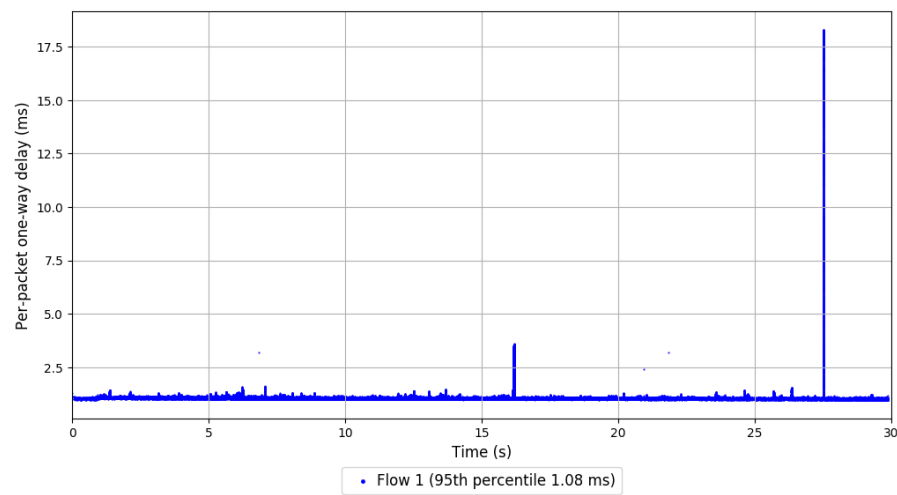
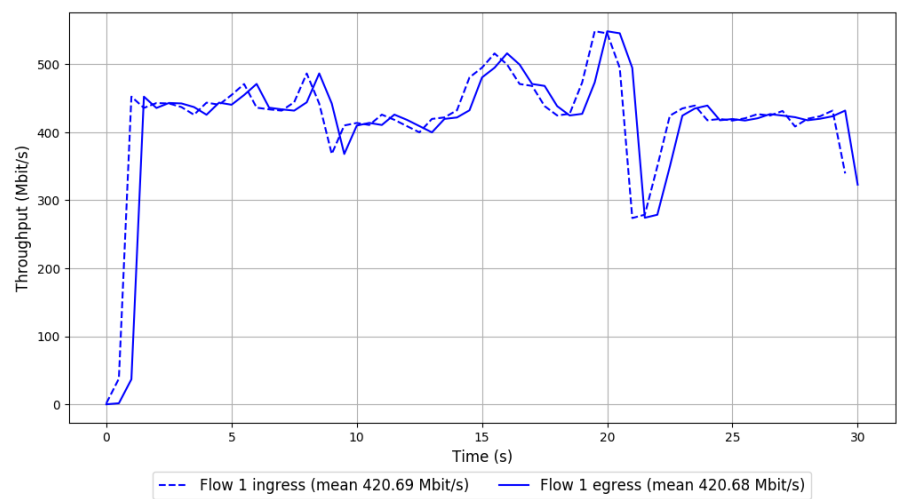
-- Flow 1:

Average throughput: 420.68 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.07%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 19:13:54

End at: 2018-08-09 19:14:24

Local clock offset: 0.05 ms

Remote clock offset: -0.921 ms

Below is generated by plot.py at 2018-08-09 23:47:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.50 Mbit/s

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

Loss rate: 0.08%

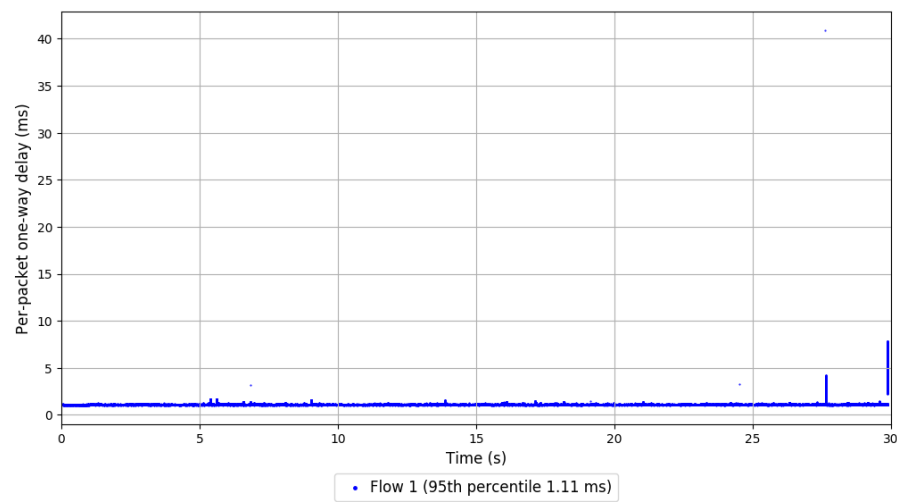
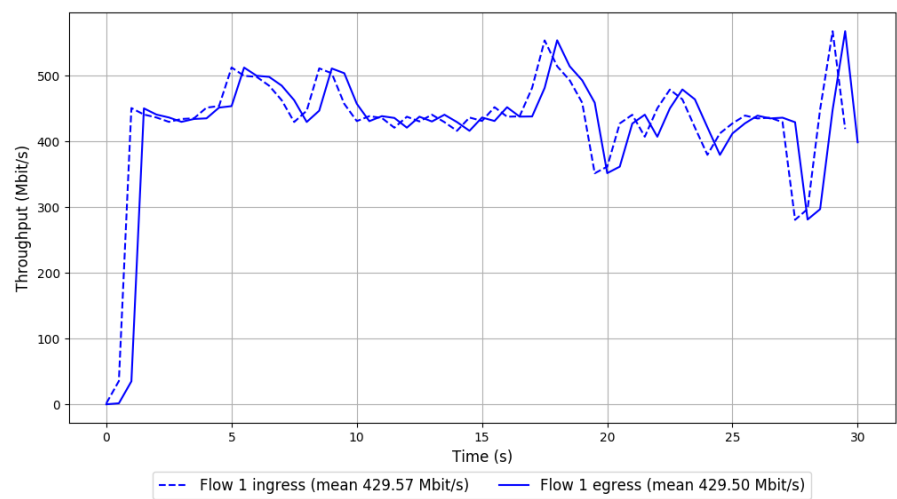
-- Flow 1:

Average throughput: 429.50 Mbit/s

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

Loss rate: 0.08%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 19:39:41

End at: 2018-08-09 19:40:11

Local clock offset: 0.101 ms

Remote clock offset: -1.37 ms

Below is generated by plot.py at 2018-08-09 23:48:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.47 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.07%

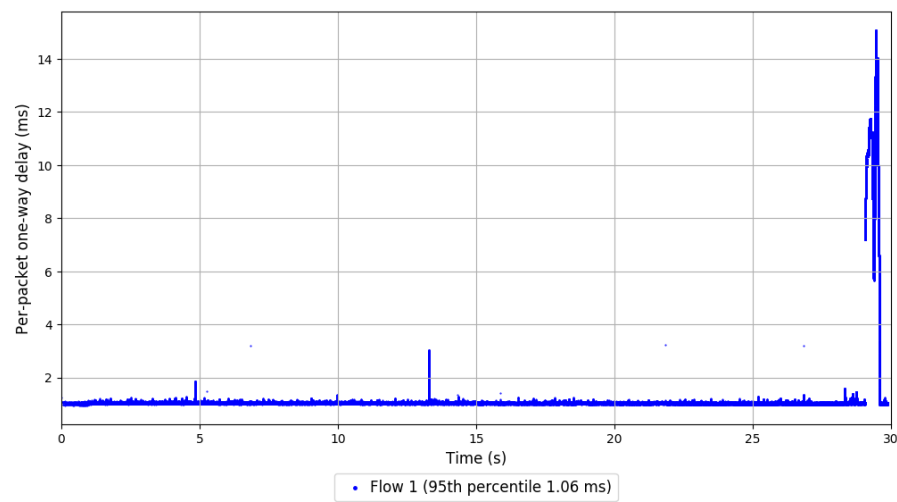
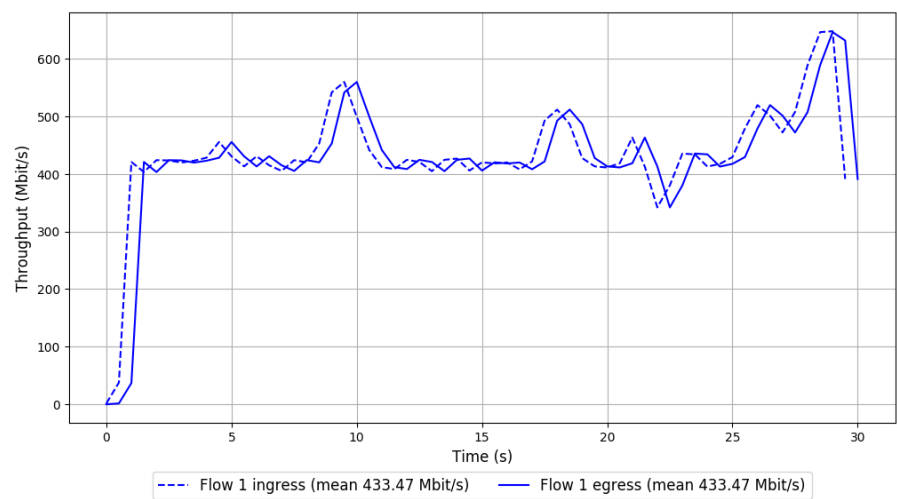
-- Flow 1:

Average throughput: 433.47 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.07%

Run 6: Report of PCC-Vivace — Data Link

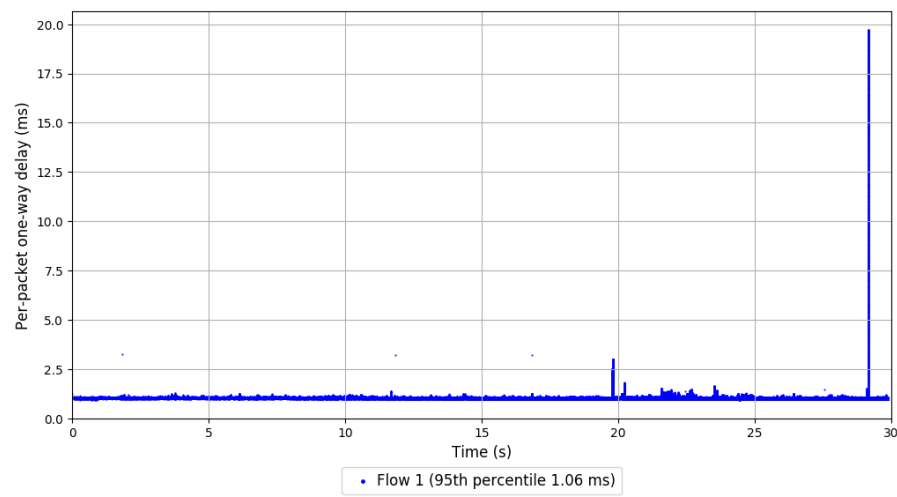
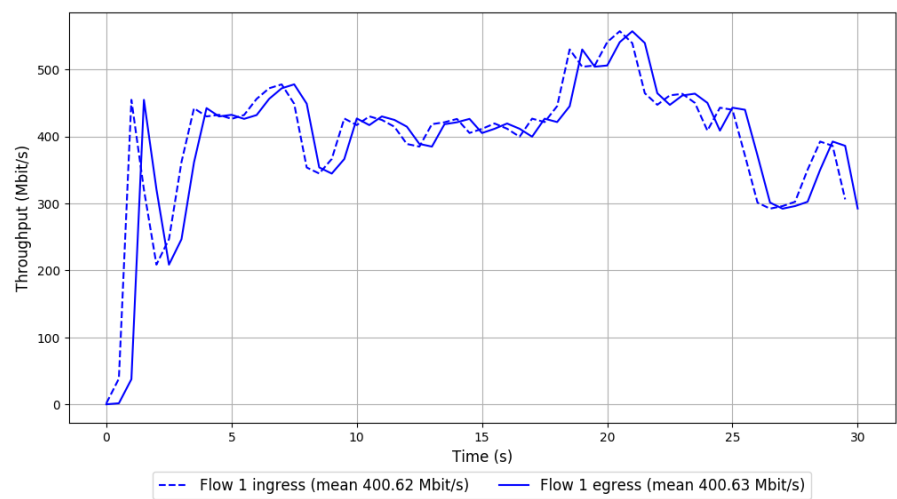


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 20:05:37
End at: 2018-08-09 20:06:08
Local clock offset: 0.088 ms
Remote clock offset: -2.303 ms

Below is generated by plot.py at 2018-08-09 23:48:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 400.63 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 400.63 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.06%

Run 7: Report of PCC-Vivace — Data Link

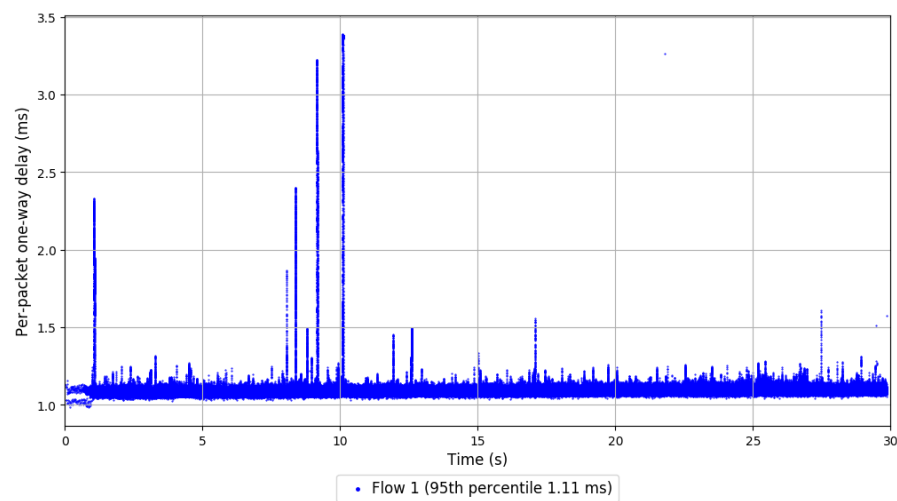
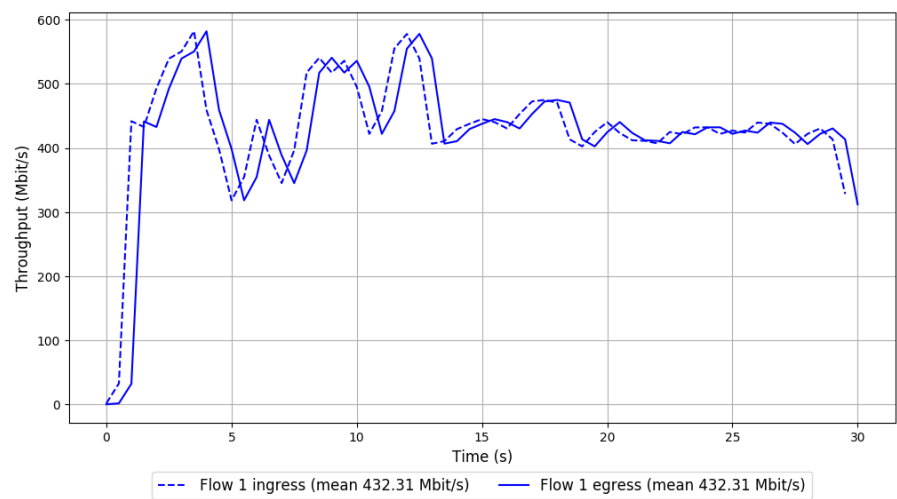


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 20:31:19
End at: 2018-08-09 20:31:49
Local clock offset: -0.287 ms
Remote clock offset: -0.598 ms

Below is generated by plot.py at 2018-08-09 23:48:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 432.31 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 432.31 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.07%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 20:57:24

End at: 2018-08-09 20:57:54

Local clock offset: -0.45 ms

Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-09 23:49:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.43 Mbit/s

95th percentile per-packet one-way delay: 0.994 ms

Loss rate: 0.06%

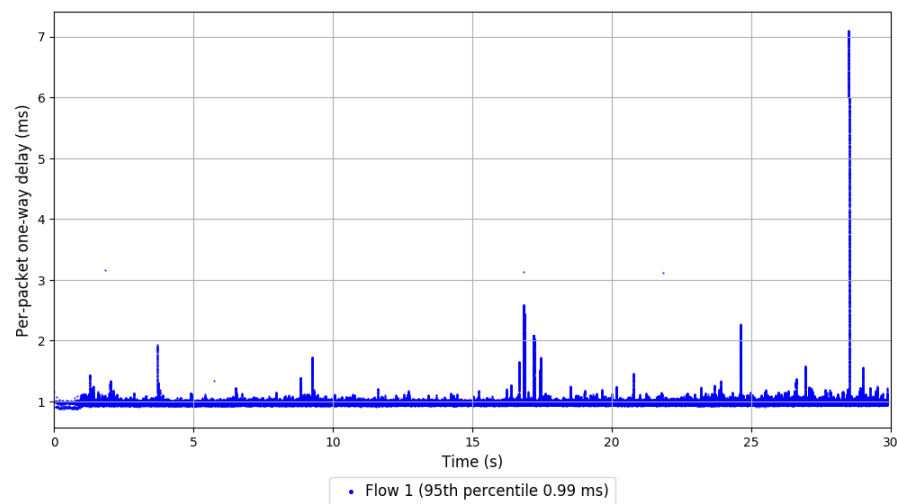
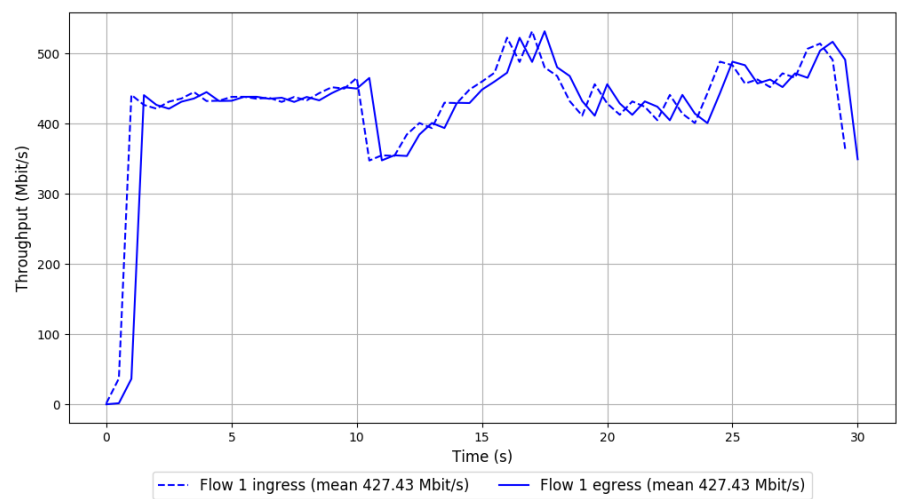
-- Flow 1:

Average throughput: 427.43 Mbit/s

95th percentile per-packet one-way delay: 0.994 ms

Loss rate: 0.06%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 21:23:31

End at: 2018-08-09 21:24:01

Local clock offset: -0.087 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-08-09 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.75 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.04%

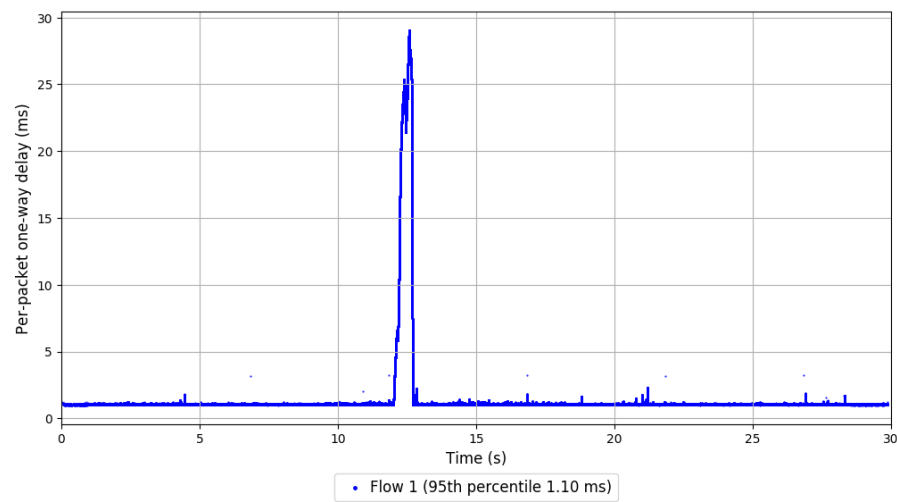
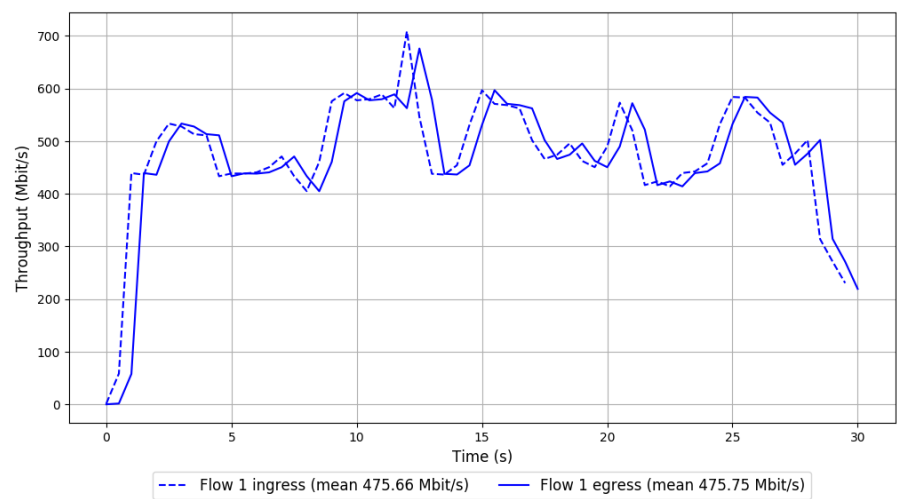
-- Flow 1:

Average throughput: 475.75 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-09 17:44:04

End at: 2018-08-09 17:44:34

Local clock offset: -0.538 ms

Remote clock offset: 0.475 ms

Below is generated by plot.py at 2018-08-09 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 1.019 ms

Loss rate: 0.07%

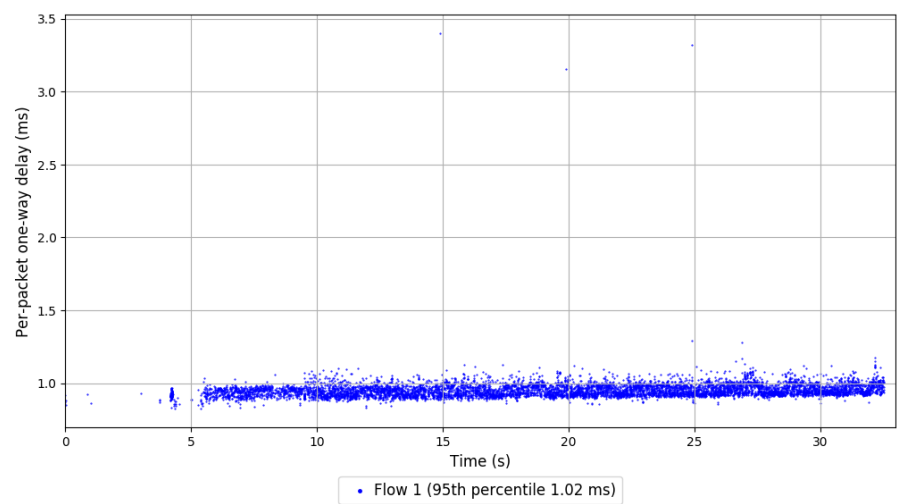
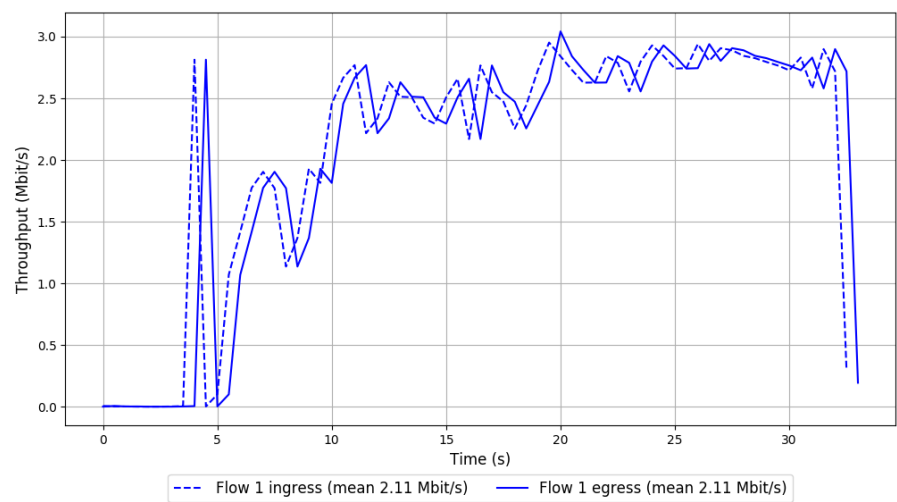
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 1.019 ms

Loss rate: 0.07%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-09 18:10:00

End at: 2018-08-09 18:10:30

Local clock offset: -0.221 ms

Remote clock offset: 2.919 ms

Below is generated by plot.py at 2018-08-09 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

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

Loss rate: 0.07%

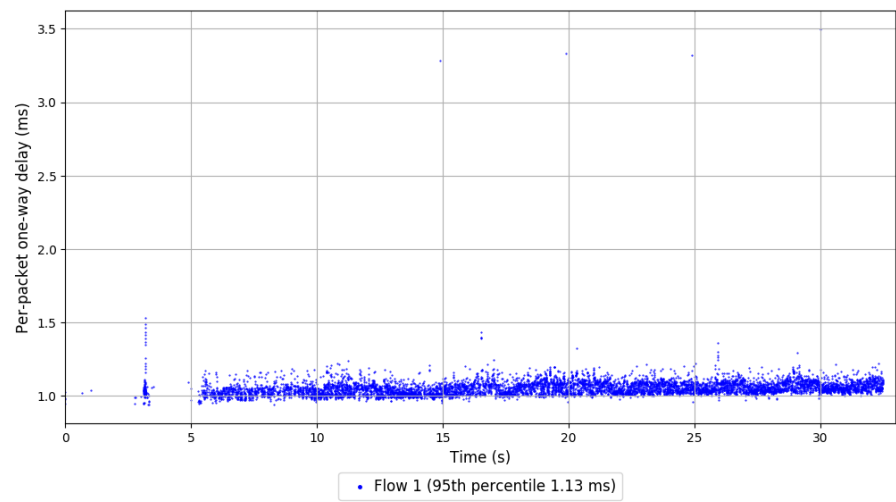
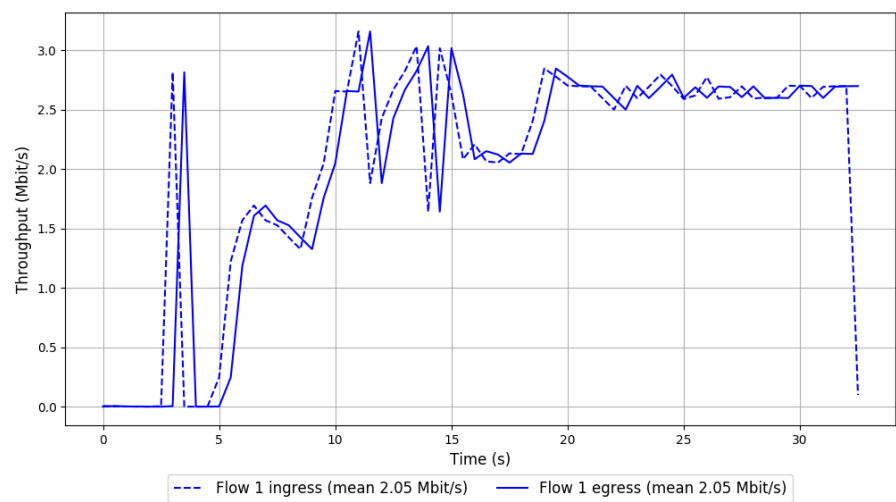
-- Flow 1:

Average throughput: 2.05 Mbit/s

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

Loss rate: 0.07%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-09 18:35:51

End at: 2018-08-09 18:36:21

Local clock offset: 0.128 ms

Remote clock offset: 2.944 ms

Below is generated by plot.py at 2018-08-09 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 0.817 ms

Loss rate: 0.00%

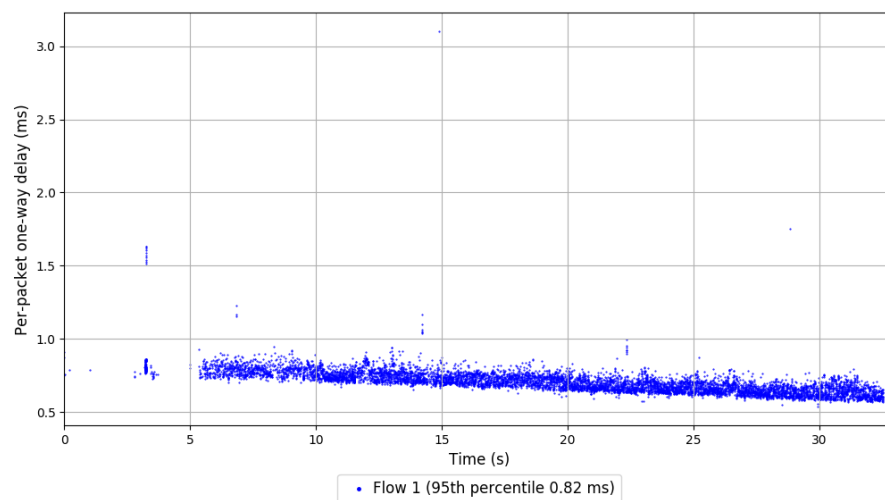
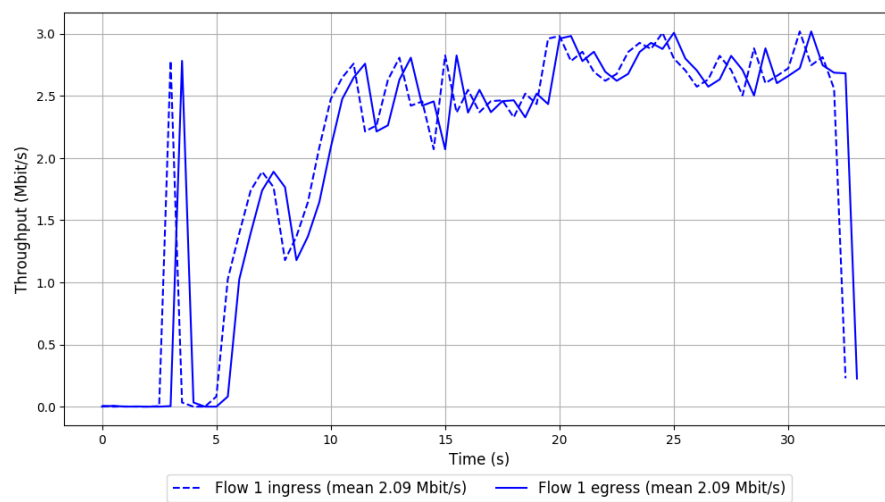
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 0.817 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

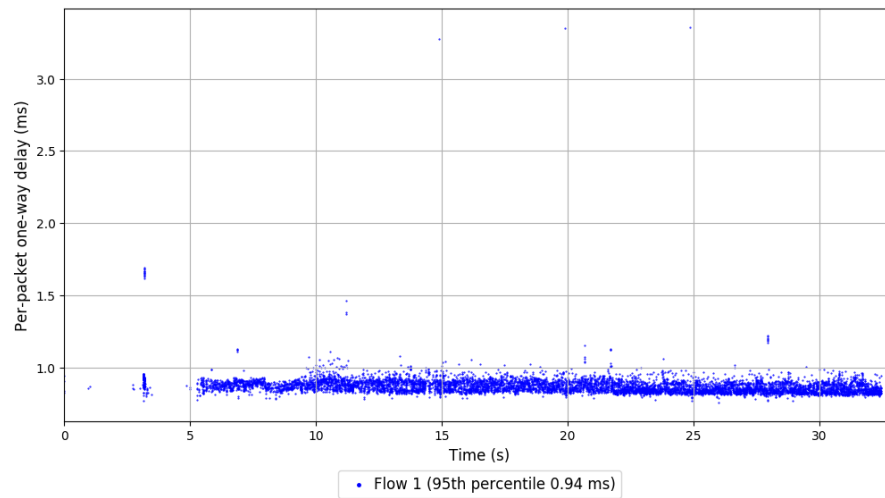
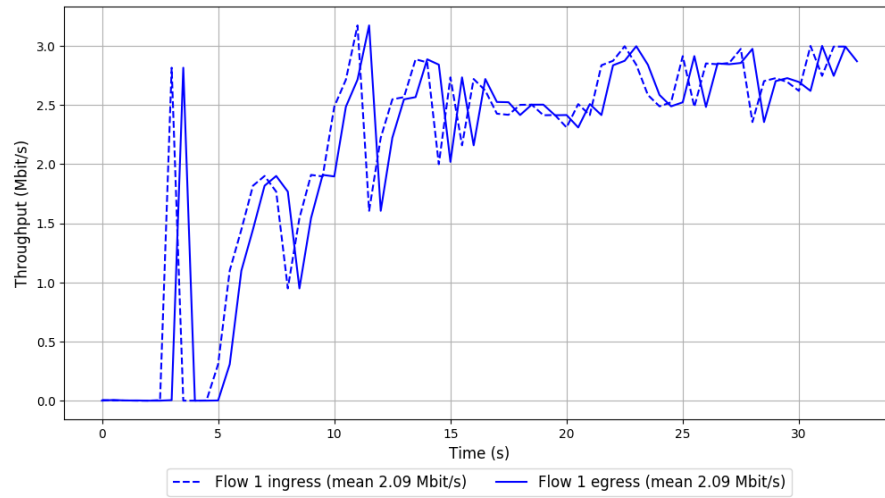


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 19:01:50
End at: 2018-08-09 19:02:20
Local clock offset: -0.045 ms
Remote clock offset: -1.038 ms

Below is generated by plot.py at 2018-08-09 23:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 0.09%

Run 4: Report of WebRTC media — Data Link

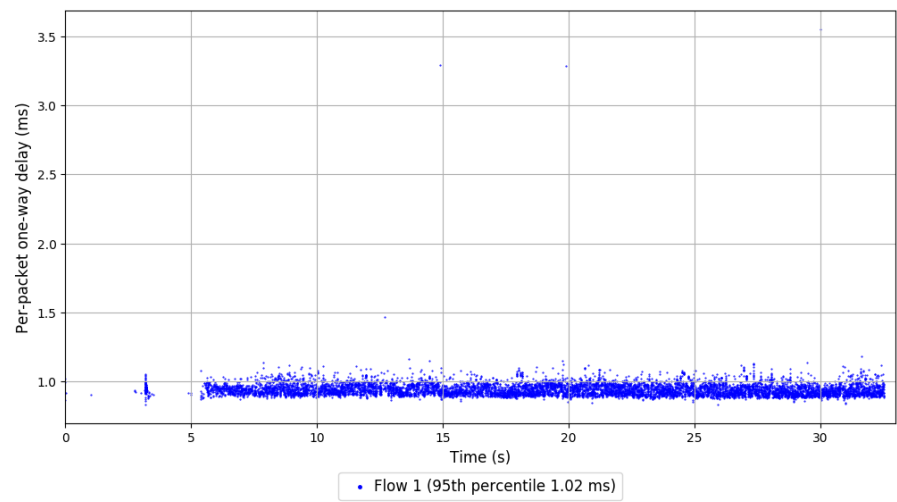
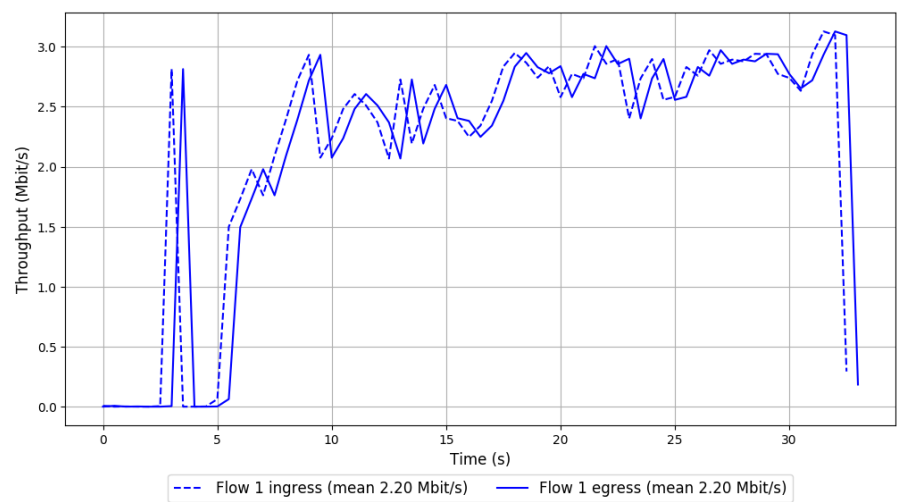


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 19:27:51
End at: 2018-08-09 19:28:21
Local clock offset: 0.027 ms
Remote clock offset: -0.969 ms

Below is generated by plot.py at 2018-08-09 23:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.08%

Run 5: Report of WebRTC media — Data Link

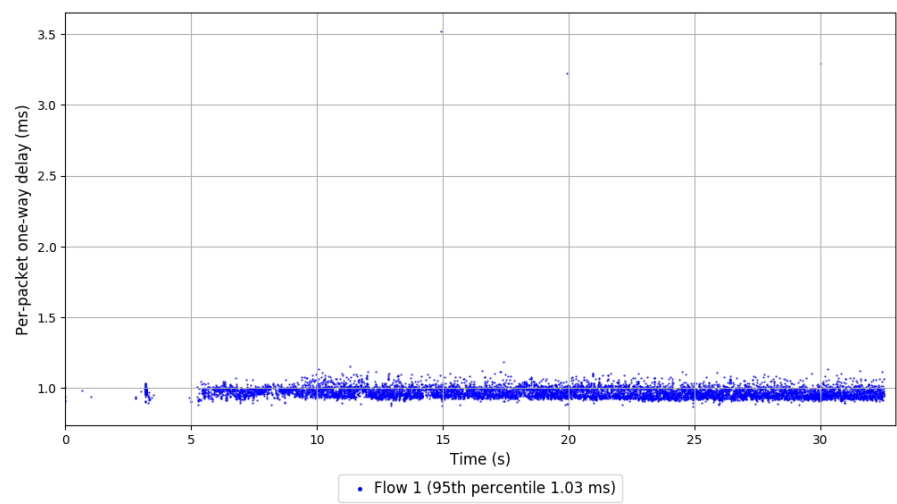
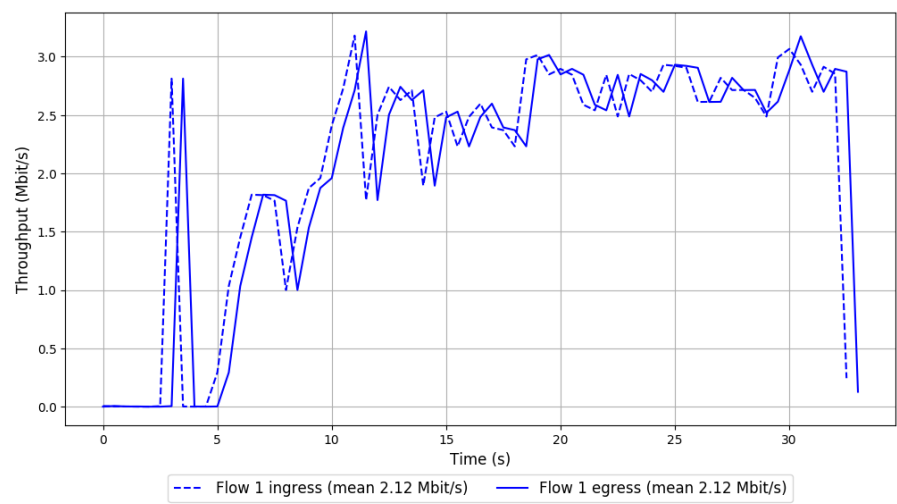


Run 6: Statistics of WebRTC media

Start at: 2018-08-09 19:53:38
End at: 2018-08-09 19:54:08
Local clock offset: 0.045 ms
Remote clock offset: -1.803 ms

Below is generated by plot.py at 2018-08-09 23:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.08%

Run 6: Report of WebRTC media — Data Link

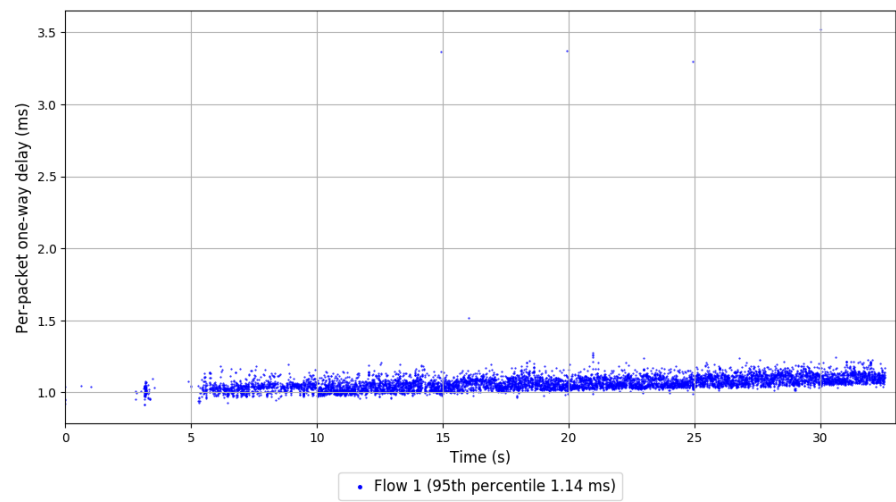
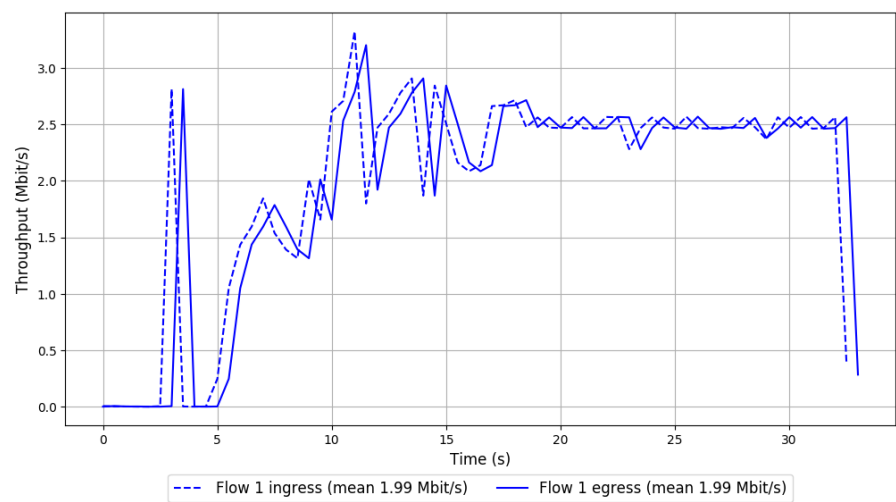


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 20:19:33
End at: 2018-08-09 20:20:03
Local clock offset: -0.087 ms
Remote clock offset: -1.583 ms

Below is generated by plot.py at 2018-08-09 23:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%

Run 7: Report of WebRTC media — Data Link

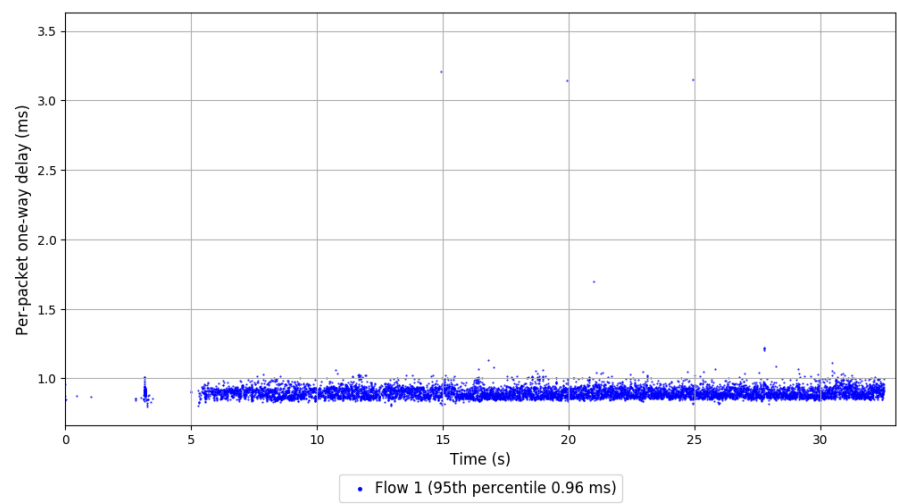
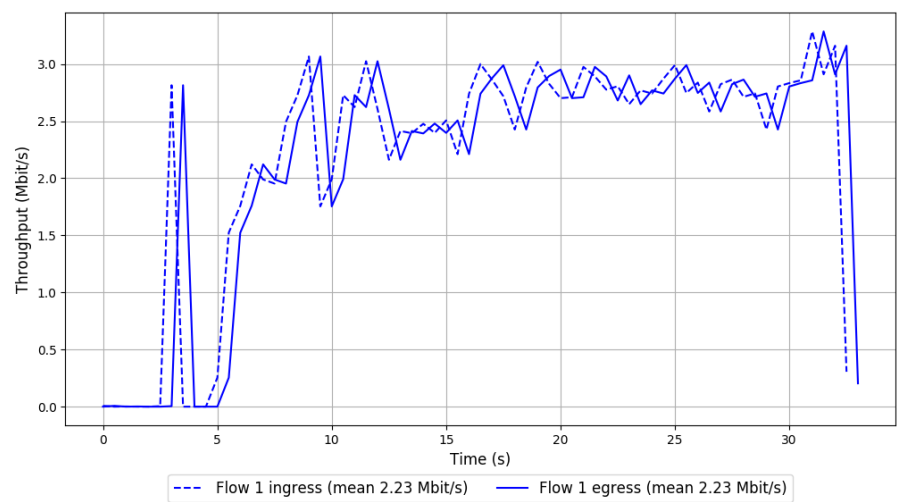


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 20:45:16
End at: 2018-08-09 20:45:46
Local clock offset: -0.399 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-08-09 23:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.07%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-09 21:11:25

End at: 2018-08-09 21:11:55

Local clock offset: -0.383 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-08-09 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

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

Loss rate: 0.09%

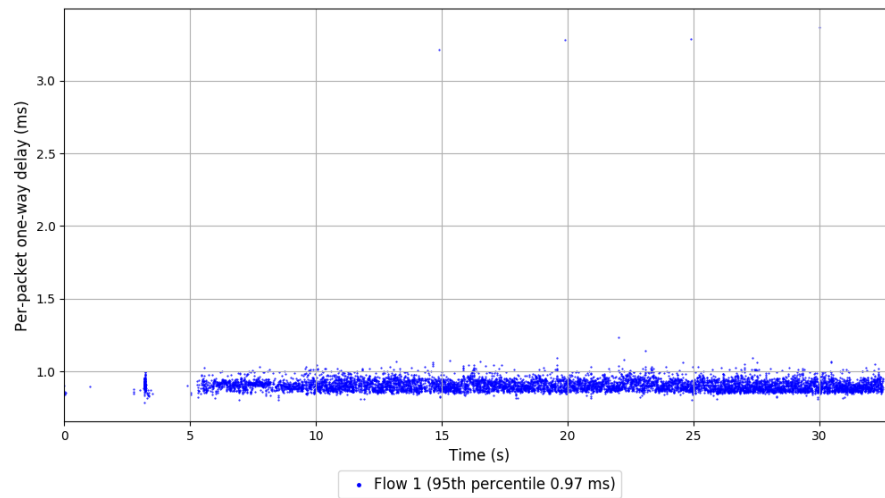
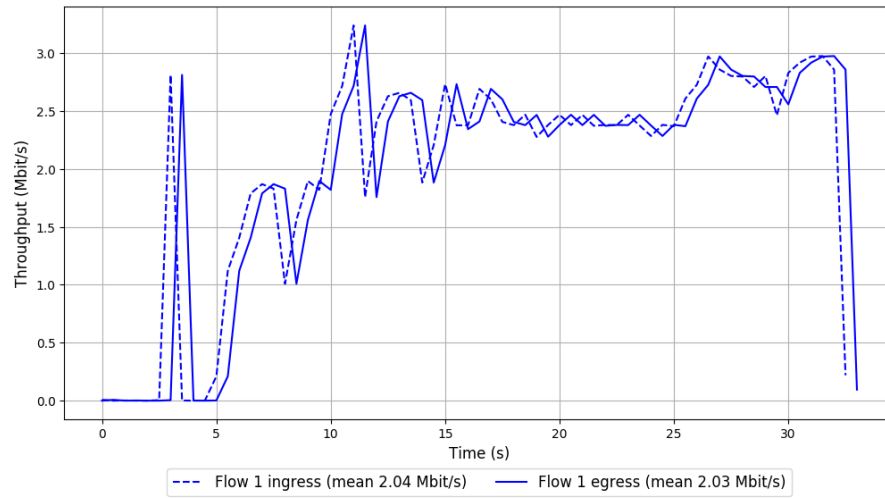
-- Flow 1:

Average throughput: 2.03 Mbit/s

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

Loss rate: 0.09%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 21:38:01
End at: 2018-08-09 21:38:31
Local clock offset: -0.004 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-08-09 23:49:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.07%

Run 10: Report of WebRTC media — Data Link

