

Pantheon Report

Generated at 2018-07-26 17:52:14 (UTC).

Data path: GCE London Ethernet (*local*) → GCE Iowa Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

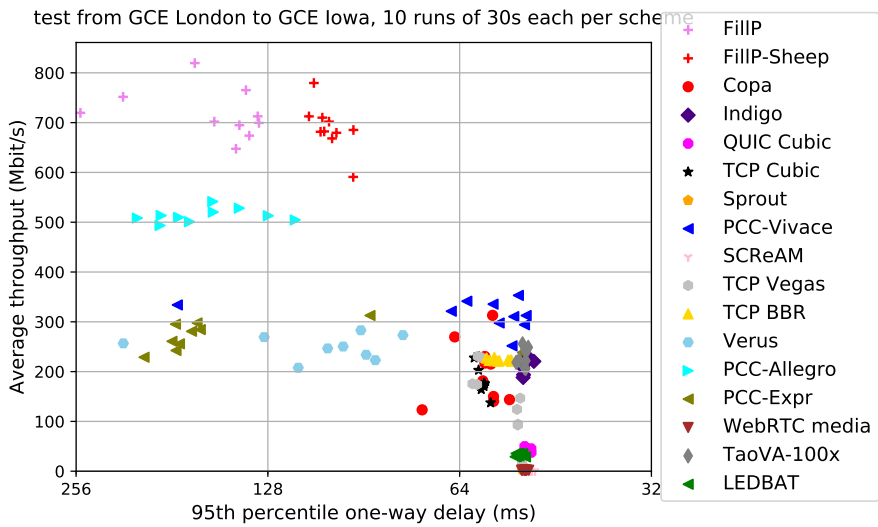
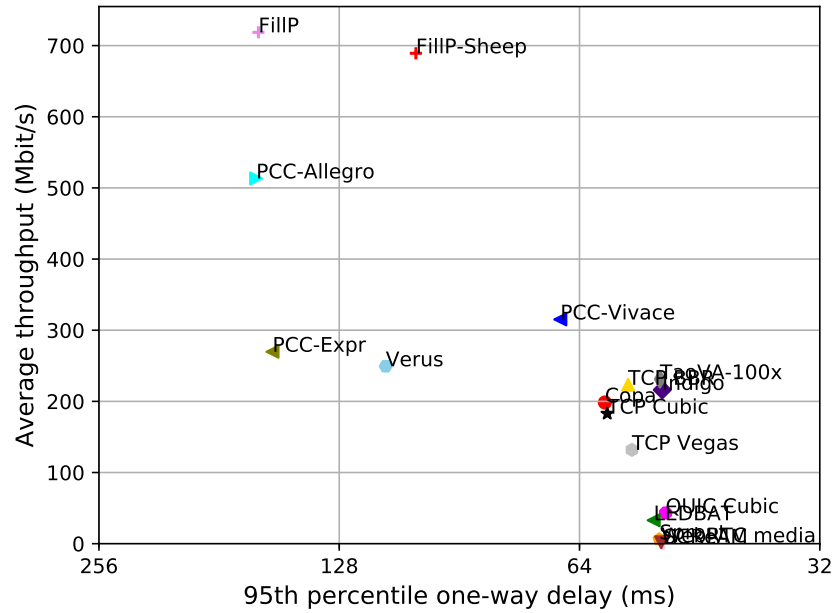
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE London to GCE Iowa, 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	223.28	55.63	0.00
Copa	10	198.43	59.48	0.00
TCP Cubic	10	182.74	59.08	0.03
FillP	10	718.64	161.60	3.93
FillP-Sheep	10	689.20	102.61	0.24
Indigo	10	216.11	50.41	0.00
LEDBAT	10	32.89	51.68	0.00
PCC-Allegro	10	513.32	162.66	1.23
PCC-Expr	10	269.74	155.18	1.16
QUIC Cubic	5	43.08	49.93	0.00
SCReAM	10	0.22	50.27	0.00
Sprout	10	6.17	50.85	0.00
TaoVA-100x	10	231.22	50.75	0.00
TCP Vegas	10	131.84	55.02	0.00
Verus	9	249.32	111.94	1.12
PCC-Vivace	10	315.16	67.65	0.12
WebRTC media	10	1.91	50.57	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-26 12:21:14

End at: 2018-07-26 12:21:44

Local clock offset: -0.078 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-26 16:11:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.43 Mbit/s

95th percentile per-packet one-way delay: 57.544 ms

Loss rate: 0.00%

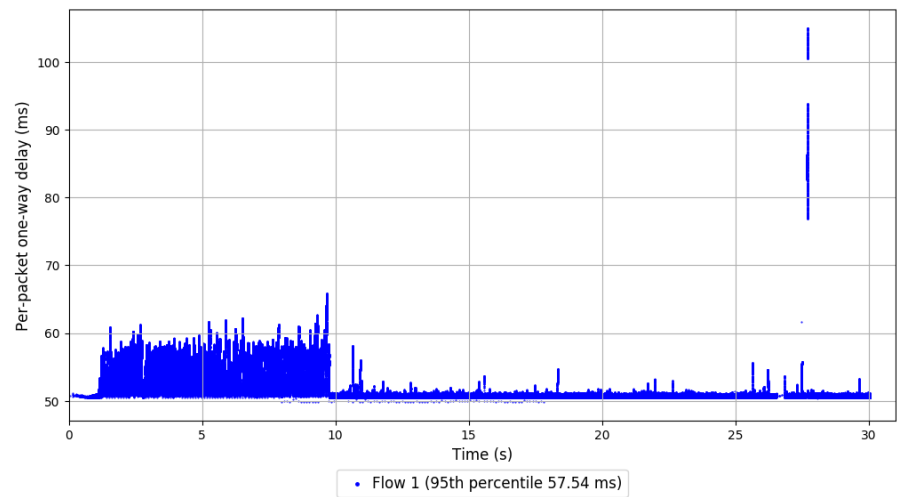
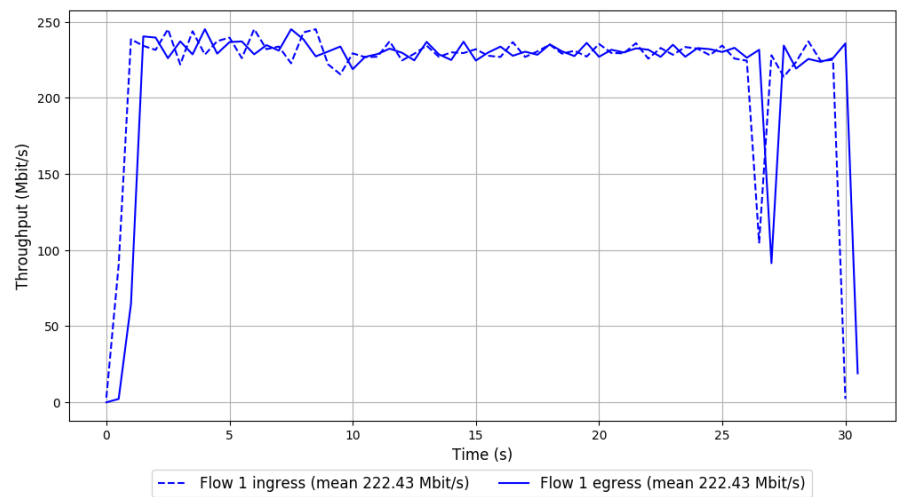
-- Flow 1:

Average throughput: 222.43 Mbit/s

95th percentile per-packet one-way delay: 57.544 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-26 12:43:03

End at: 2018-07-26 12:43:33

Local clock offset: 0.248 ms

Remote clock offset: -0.542 ms

Below is generated by plot.py at 2018-07-26 16:11:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.72 Mbit/s

95th percentile per-packet one-way delay: 53.143 ms

Loss rate: 0.00%

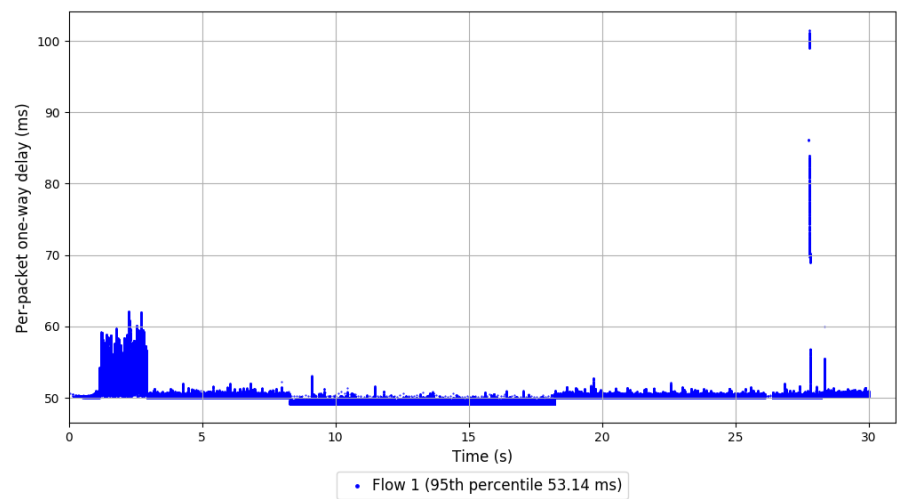
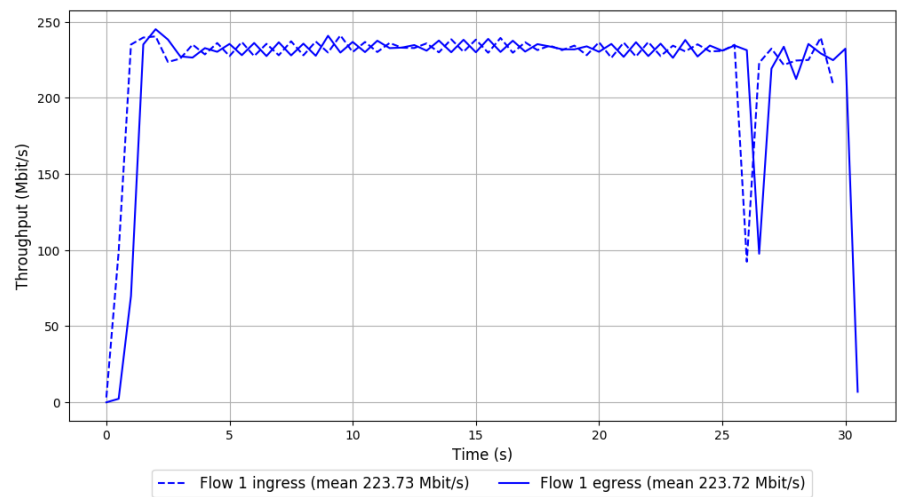
-- Flow 1:

Average throughput: 223.72 Mbit/s

95th percentile per-packet one-way delay: 53.143 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

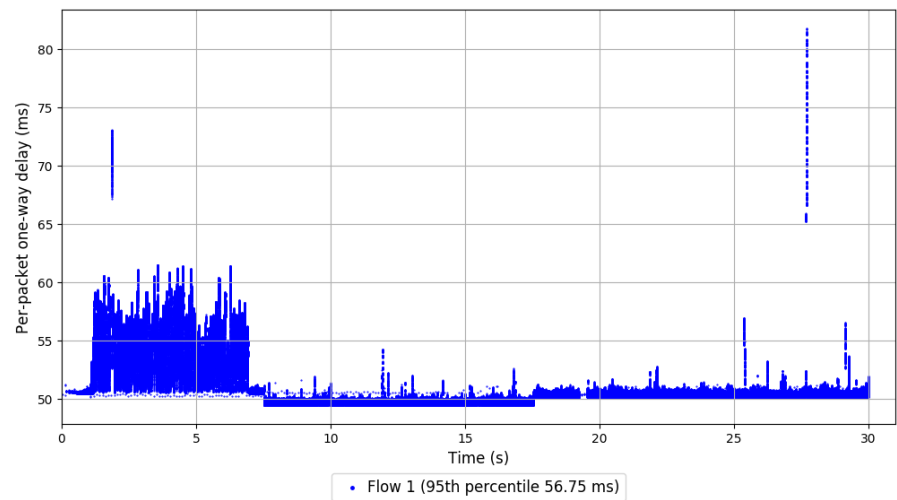
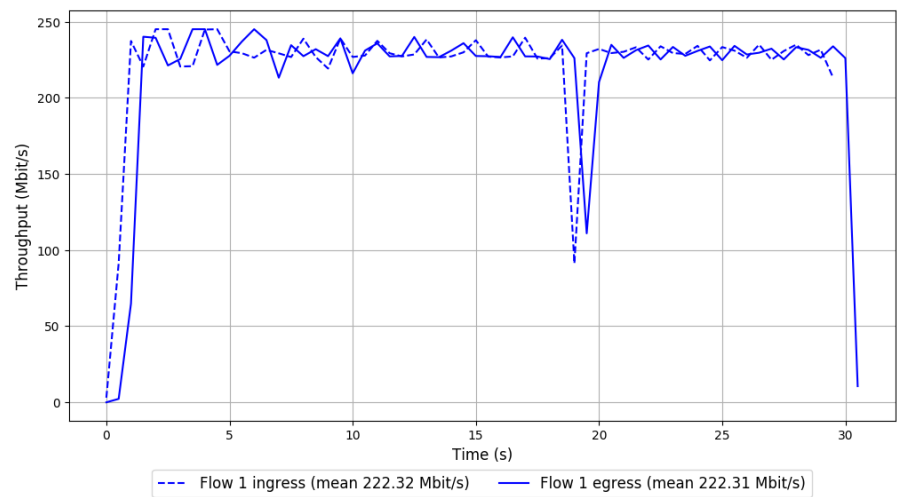


Run 3: Statistics of TCP BBR

Start at: 2018-07-26 13:05:14
End at: 2018-07-26 13:05:44
Local clock offset: -0.169 ms
Remote clock offset: -0.736 ms

Below is generated by plot.py at 2018-07-26 16:11:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.31 Mbit/s
95th percentile per-packet one-way delay: 56.749 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 222.31 Mbit/s
95th percentile per-packet one-way delay: 56.749 ms
Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link

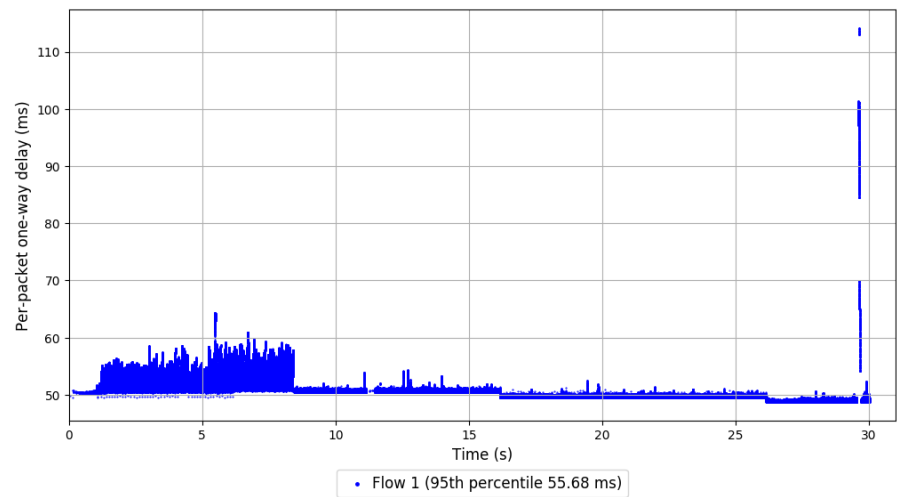
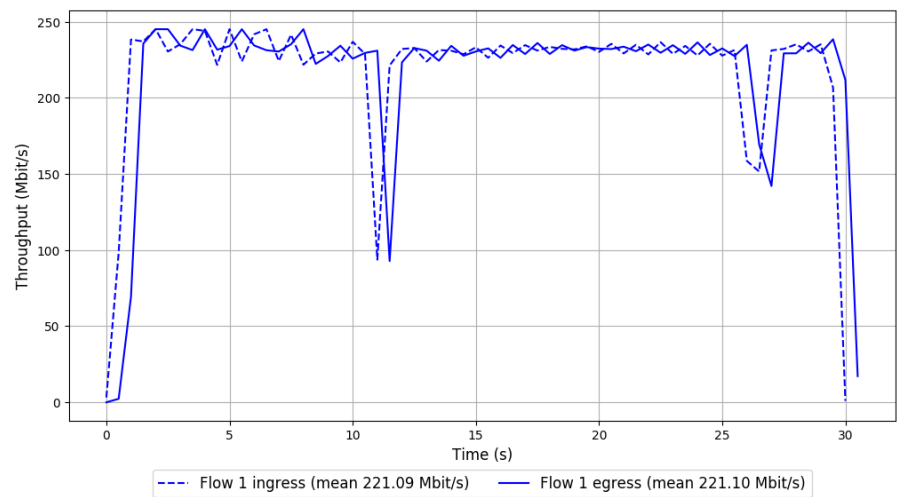


Run 4: Statistics of TCP BBR

Start at: 2018-07-26 13:27:25
End at: 2018-07-26 13:27:55
Local clock offset: -0.204 ms
Remote clock offset: -0.871 ms

Below is generated by plot.py at 2018-07-26 16:11:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.10 Mbit/s
95th percentile per-packet one-way delay: 55.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.10 Mbit/s
95th percentile per-packet one-way delay: 55.683 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-26 13:49:20

End at: 2018-07-26 13:49:50

Local clock offset: 0.038 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-26 16:11:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.43 Mbit/s

95th percentile per-packet one-way delay: 53.685 ms

Loss rate: 0.00%

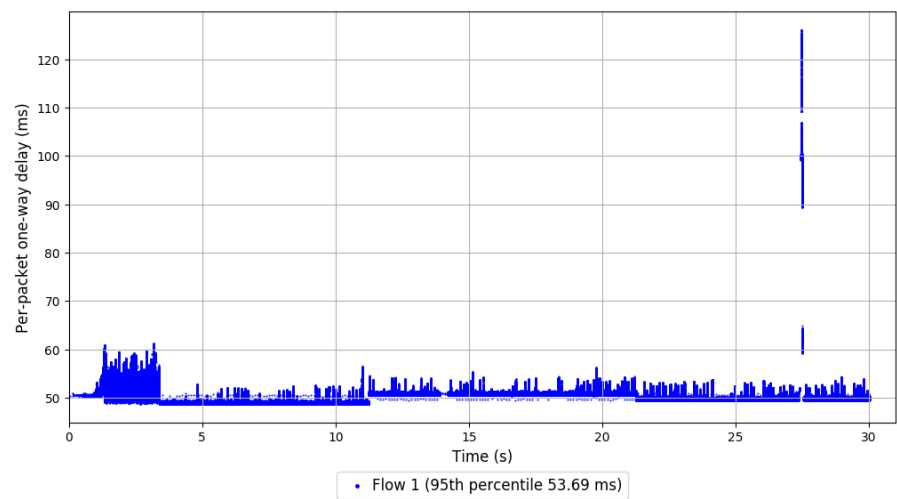
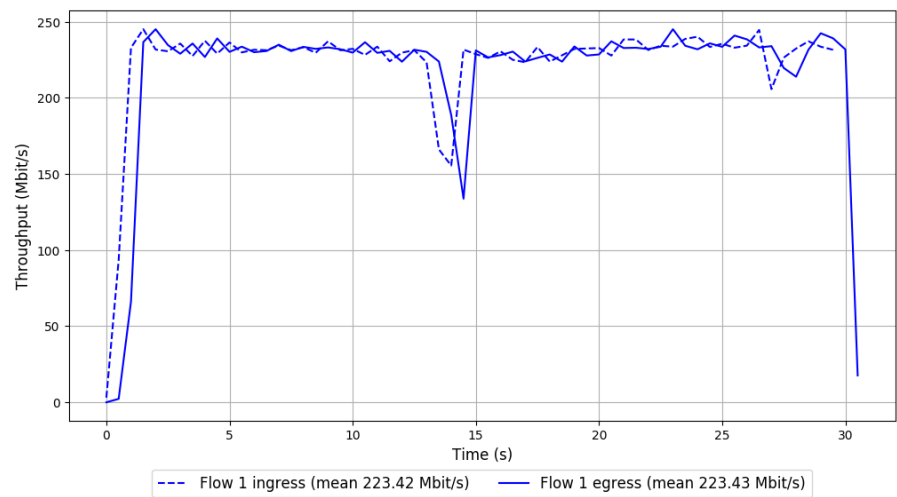
-- Flow 1:

Average throughput: 223.43 Mbit/s

95th percentile per-packet one-way delay: 53.685 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-26 14:11:35

End at: 2018-07-26 14:12:05

Local clock offset: 0.078 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-26 16:11:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.88 Mbit/s

95th percentile per-packet one-way delay: 56.470 ms

Loss rate: 0.00%

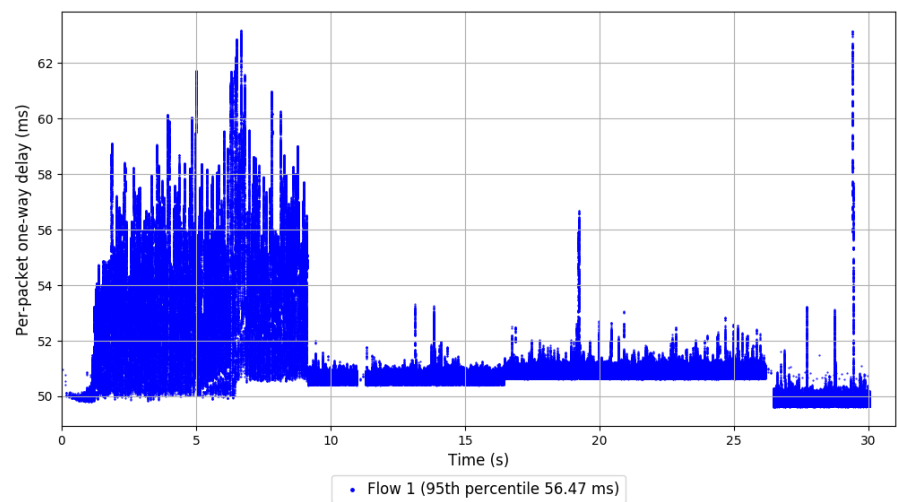
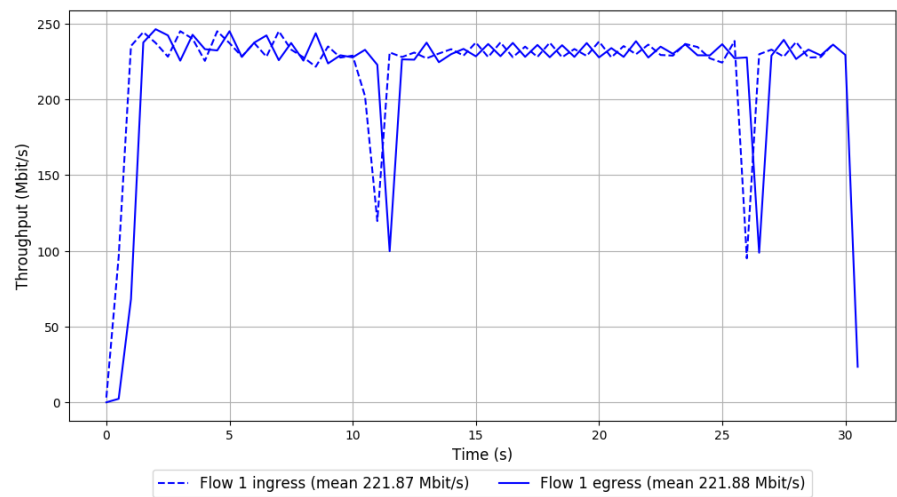
-- Flow 1:

Average throughput: 221.88 Mbit/s

95th percentile per-packet one-way delay: 56.470 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-26 14:33:45

End at: 2018-07-26 14:34:15

Local clock offset: 0.552 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-26 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.52 Mbit/s

95th percentile per-packet one-way delay: 56.444 ms

Loss rate: 0.00%

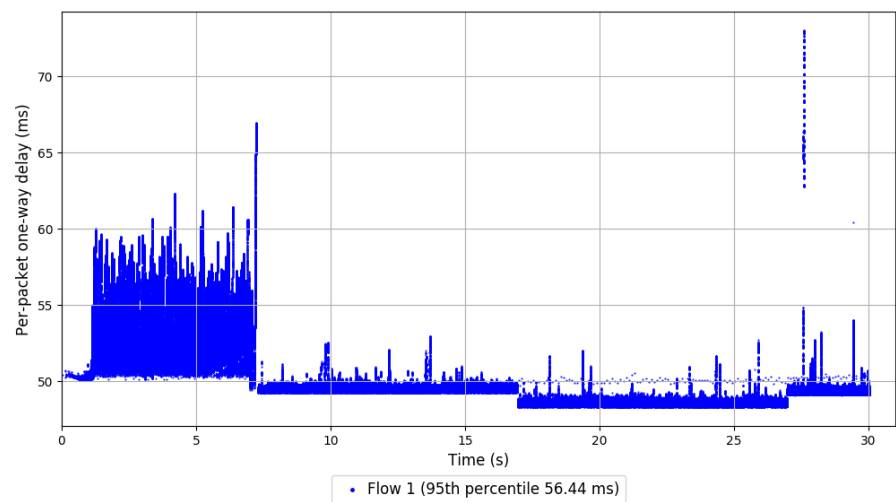
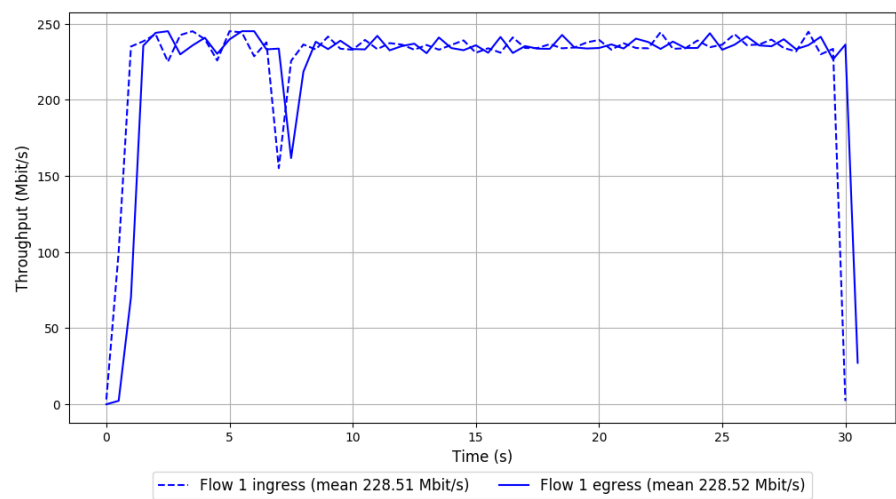
-- Flow 1:

Average throughput: 228.52 Mbit/s

95th percentile per-packet one-way delay: 56.444 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-26 14:55:54

End at: 2018-07-26 14:56:24

Local clock offset: 0.253 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-26 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.04 Mbit/s

95th percentile per-packet one-way delay: 58.071 ms

Loss rate: 0.00%

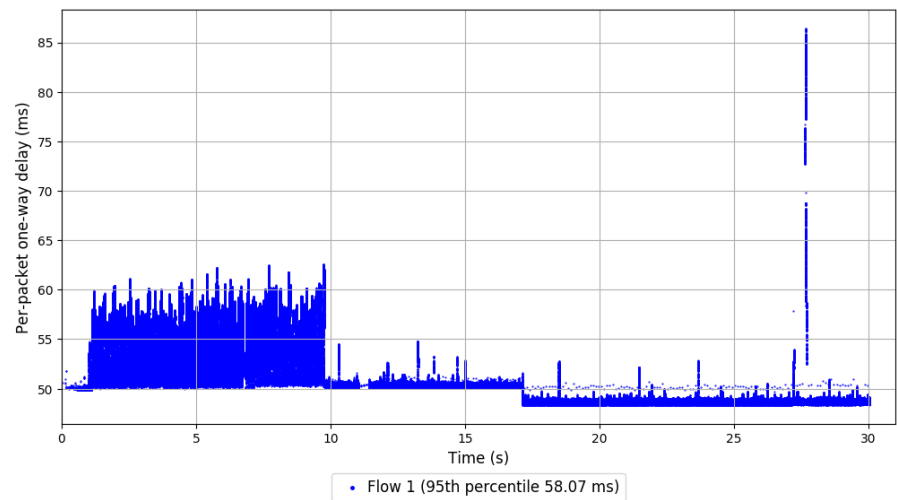
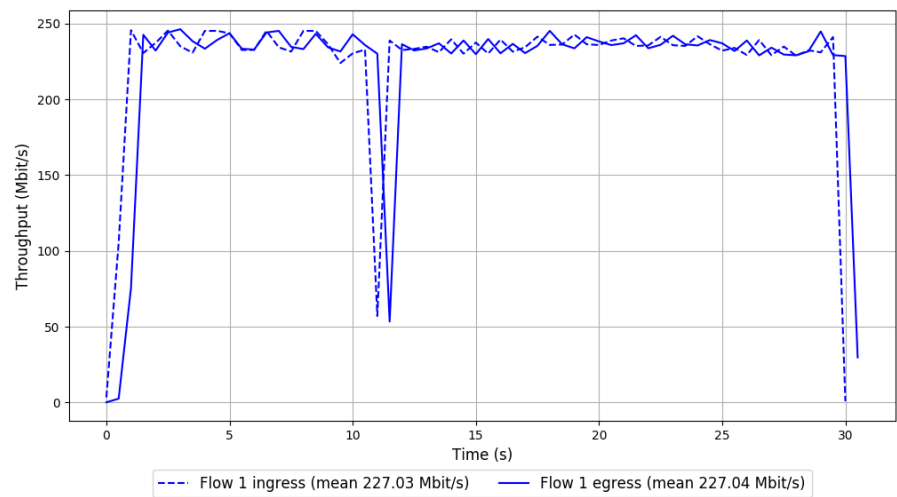
-- Flow 1:

Average throughput: 227.04 Mbit/s

95th percentile per-packet one-way delay: 58.071 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

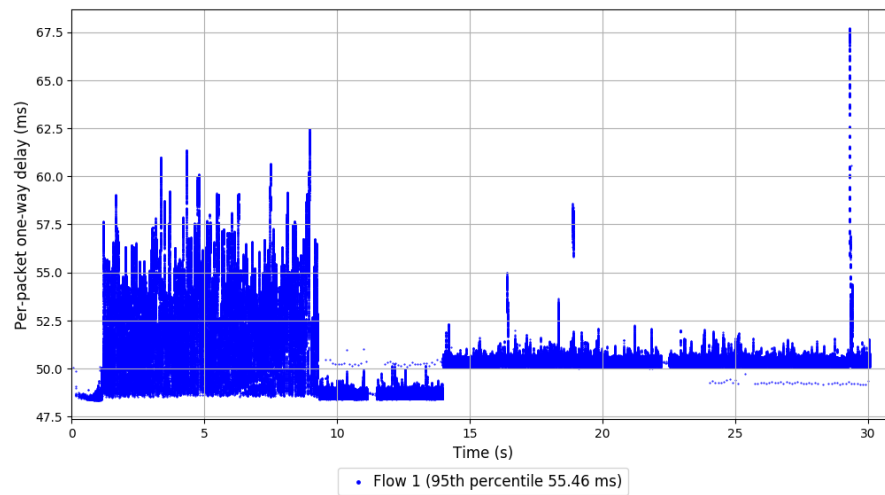
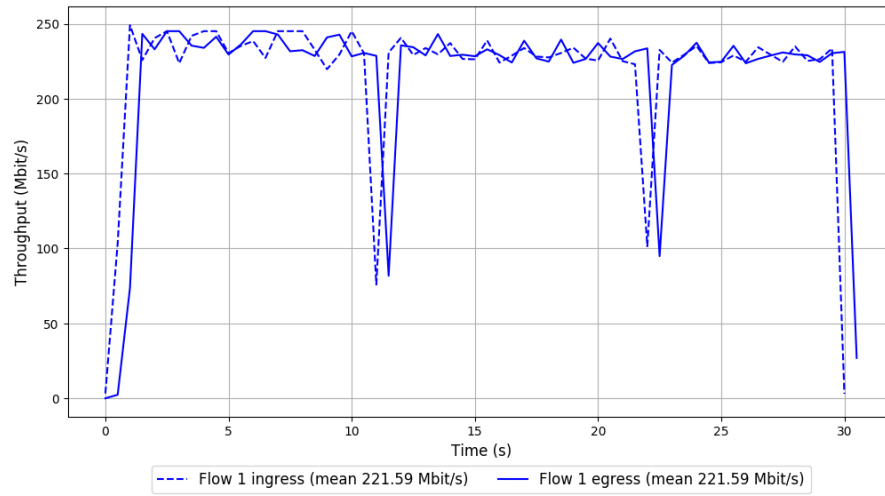


Run 9: Statistics of TCP BBR

Start at: 2018-07-26 15:17:57
End at: 2018-07-26 15:18:28
Local clock offset: 0.25 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-26 16:14:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.59 Mbit/s
95th percentile per-packet one-way delay: 55.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.59 Mbit/s
95th percentile per-packet one-way delay: 55.462 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-26 15:39:58

End at: 2018-07-26 15:40:28

Local clock offset: 0.212 ms

Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-26 16:14:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.79 Mbit/s

95th percentile per-packet one-way delay: 53.074 ms

Loss rate: 0.00%

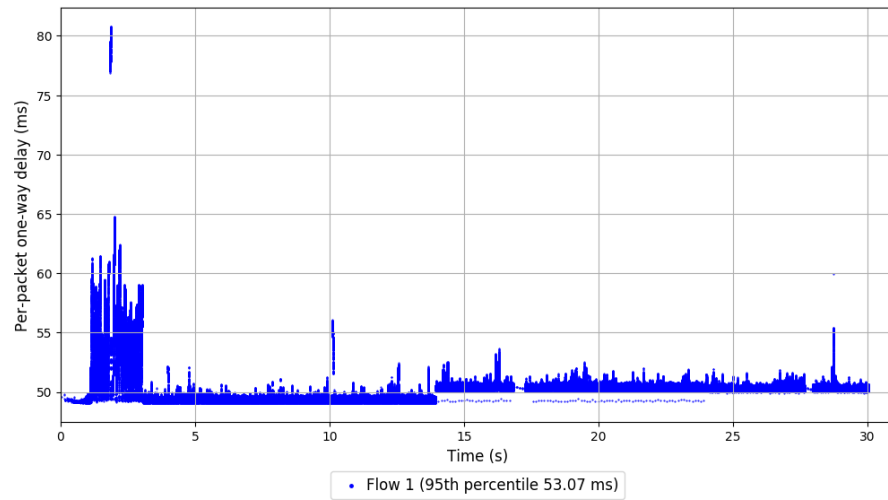
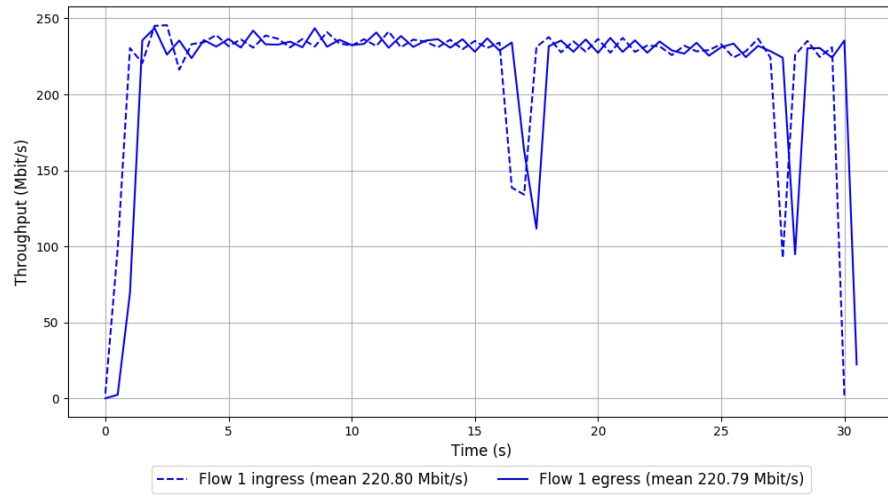
-- Flow 1:

Average throughput: 220.79 Mbit/s

95th percentile per-packet one-way delay: 53.074 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

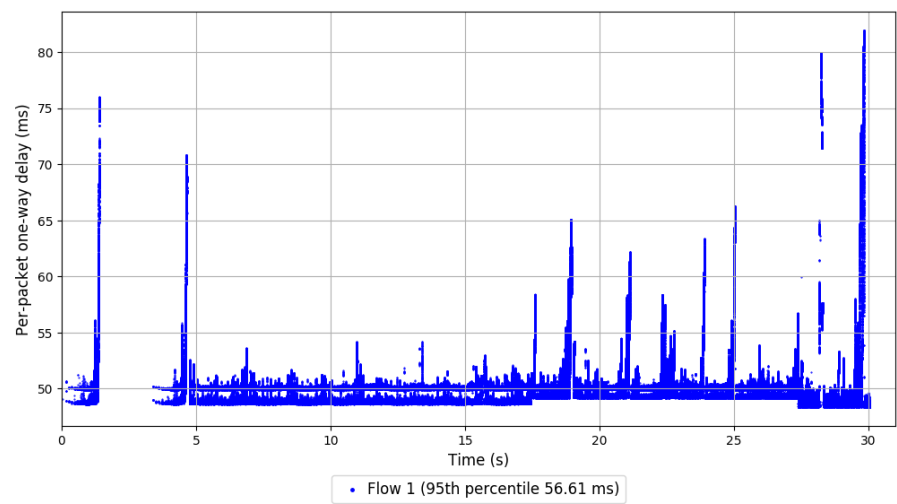
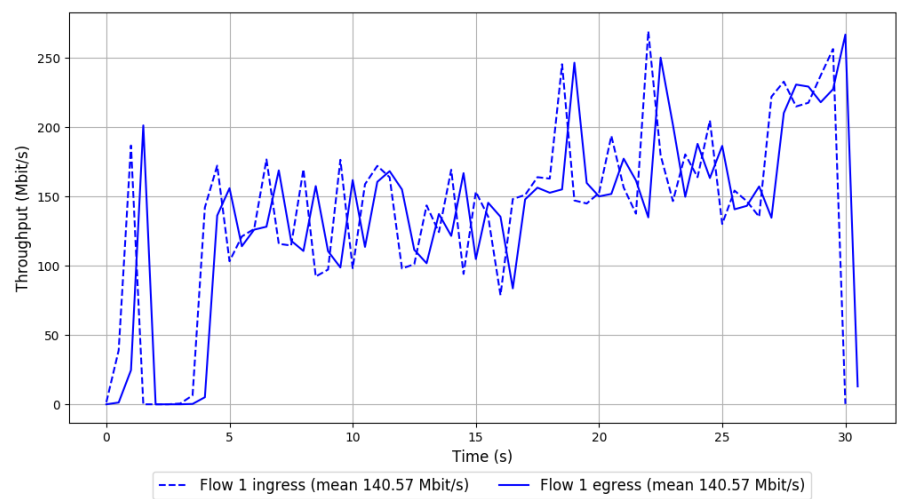


Run 1: Statistics of Copa

Start at: 2018-07-26 12:35:14
End at: 2018-07-26 12:35:44
Local clock offset: 0.259 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-07-26 16:14:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.57 Mbit/s
95th percentile per-packet one-way delay: 56.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.57 Mbit/s
95th percentile per-packet one-way delay: 56.609 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

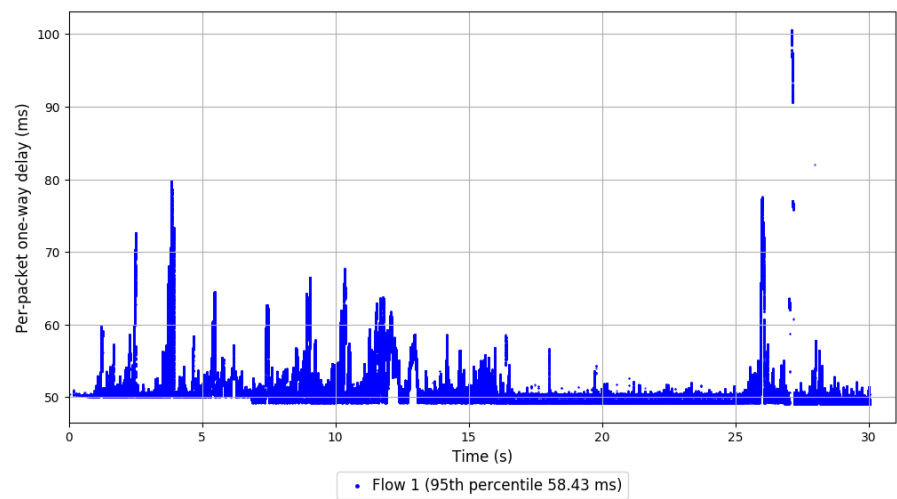
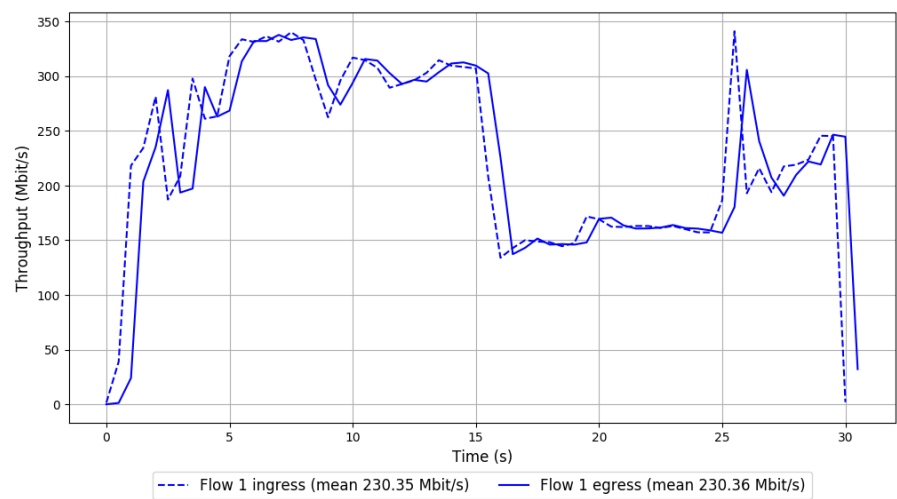


Run 2: Statistics of Copa

Start at: 2018-07-26 12:57:15
End at: 2018-07-26 12:57:45
Local clock offset: 0.242 ms
Remote clock offset: -0.654 ms

Below is generated by plot.py at 2018-07-26 16:18:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.36 Mbit/s
95th percentile per-packet one-way delay: 58.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.36 Mbit/s
95th percentile per-packet one-way delay: 58.433 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

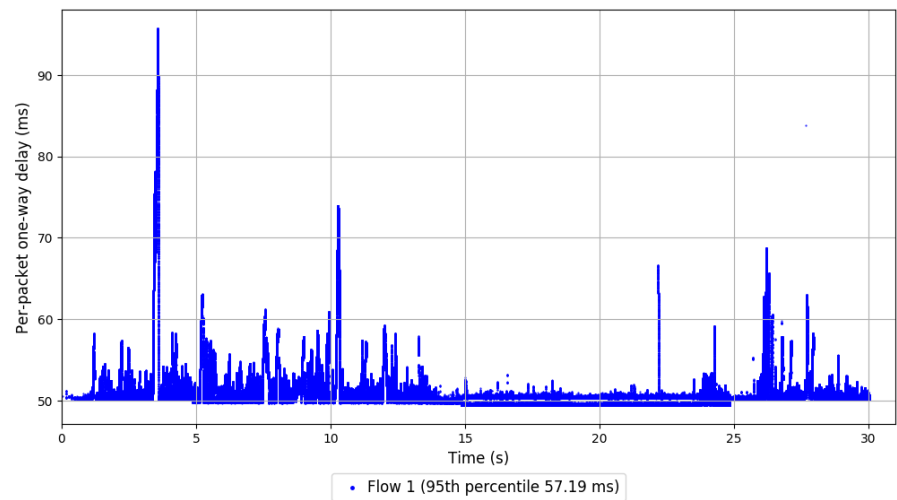
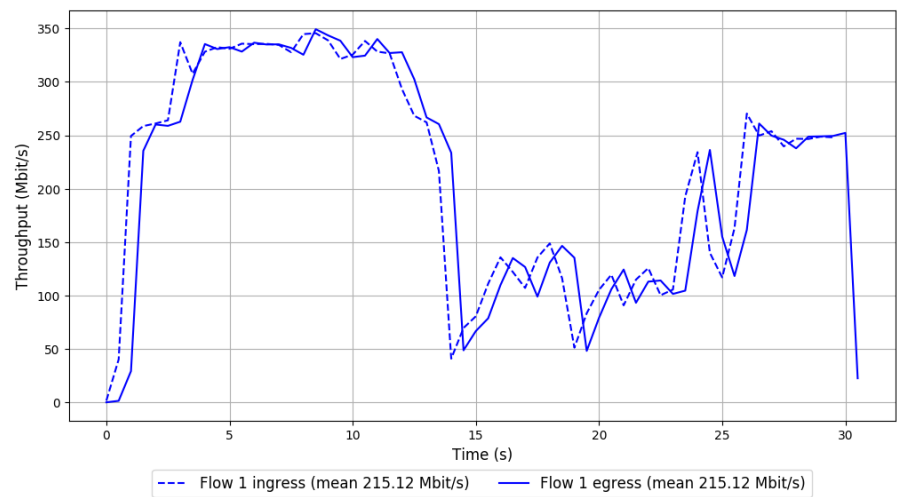


Run 3: Statistics of Copa

Start at: 2018-07-26 13:19:27
End at: 2018-07-26 13:19:57
Local clock offset: -0.235 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2018-07-26 16:18:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.12 Mbit/s
95th percentile per-packet one-way delay: 57.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.12 Mbit/s
95th percentile per-packet one-way delay: 57.192 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

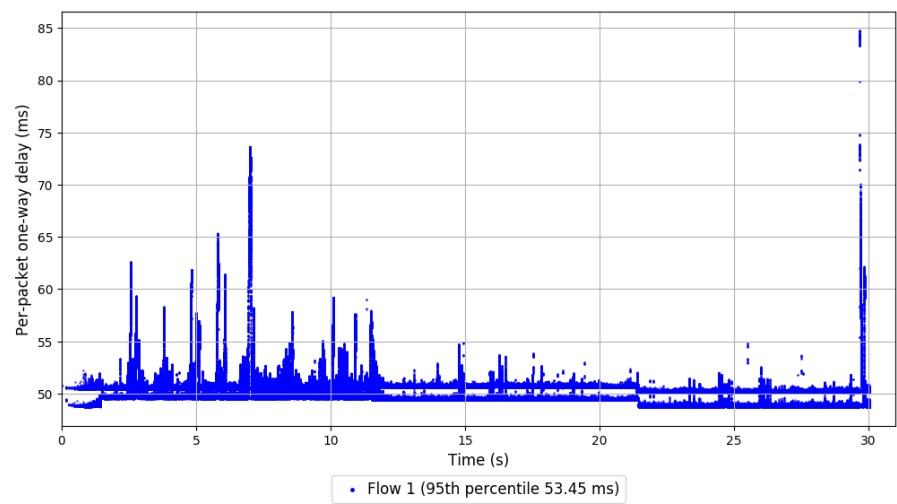
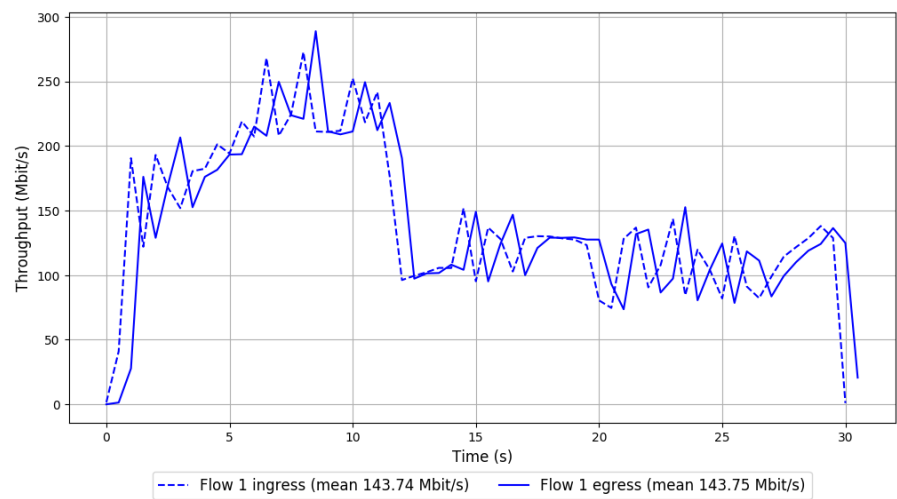


Run 4: Statistics of Copa

Start at: 2018-07-26 13:41:30
End at: 2018-07-26 13:42:00
Local clock offset: -0.02 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-26 16:18:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.75 Mbit/s
95th percentile per-packet one-way delay: 53.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.75 Mbit/s
95th percentile per-packet one-way delay: 53.446 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-26 14:03:25

End at: 2018-07-26 14:03:55

Local clock offset: 0.446 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-26 16:20:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 313.00 Mbit/s

95th percentile per-packet one-way delay: 56.812 ms

Loss rate: 0.01%

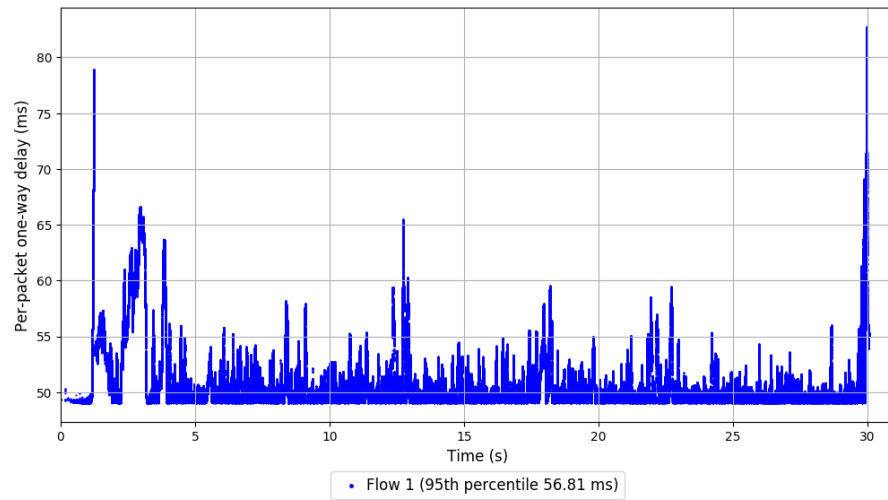
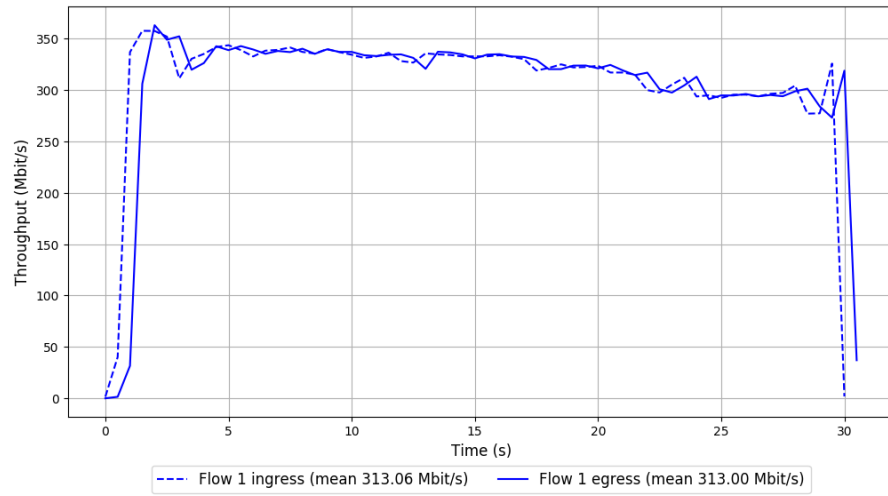
-- Flow 1:

Average throughput: 313.00 Mbit/s

95th percentile per-packet one-way delay: 56.812 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-26 14:25:51

End at: 2018-07-26 14:26:21

Local clock offset: 0.152 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-26 16:20:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.47 Mbit/s

95th percentile per-packet one-way delay: 58.855 ms

Loss rate: 0.00%

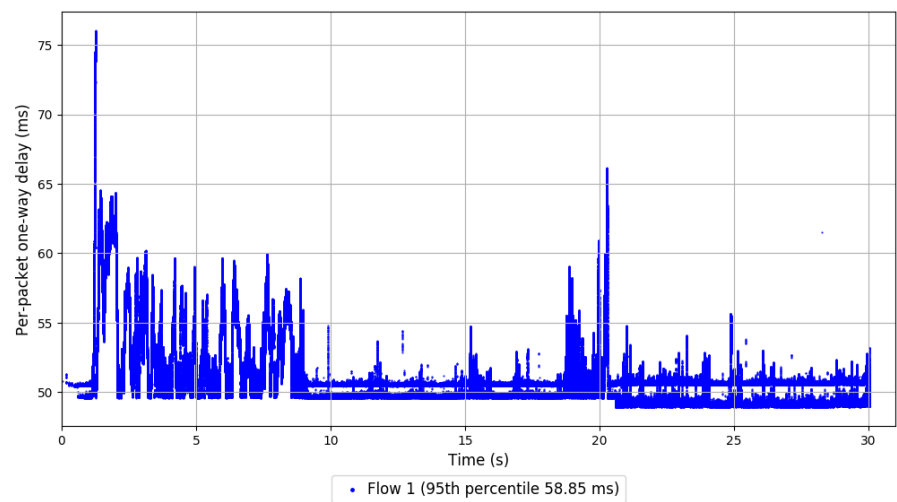
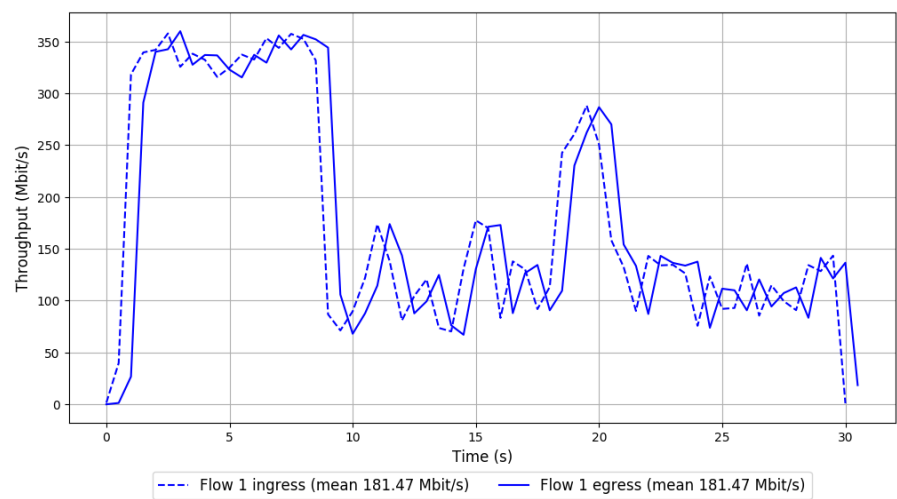
-- Flow 1:

Average throughput: 181.47 Mbit/s

95th percentile per-packet one-way delay: 58.855 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

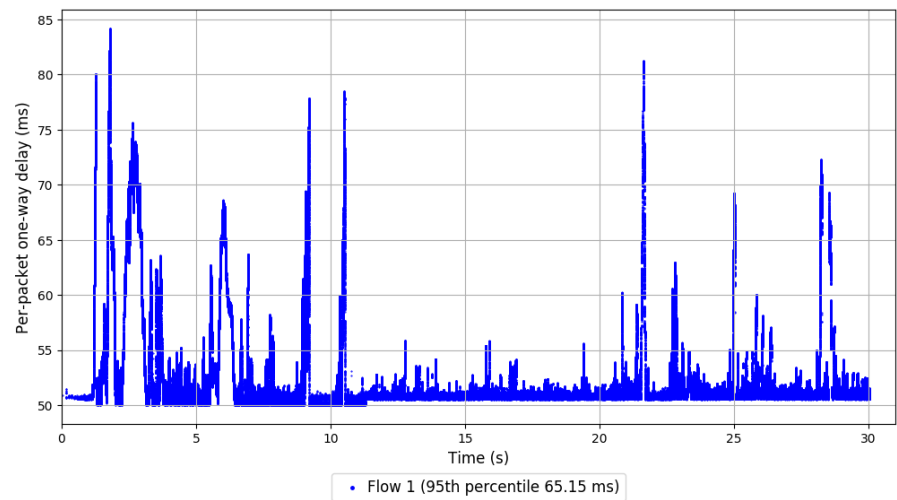
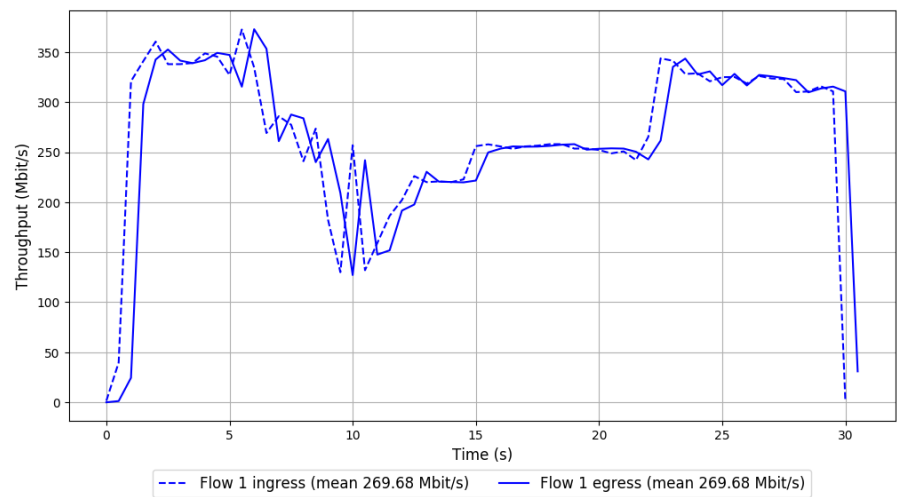


Run 7: Statistics of Copa

Start at: 2018-07-26 14:47:50
End at: 2018-07-26 14:48:20
Local clock offset: -0.393 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-26 16:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.68 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 269.68 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

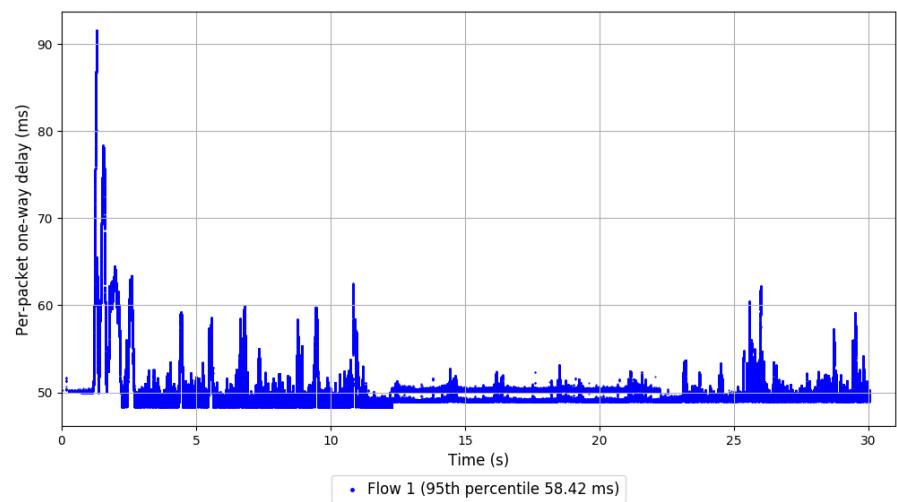
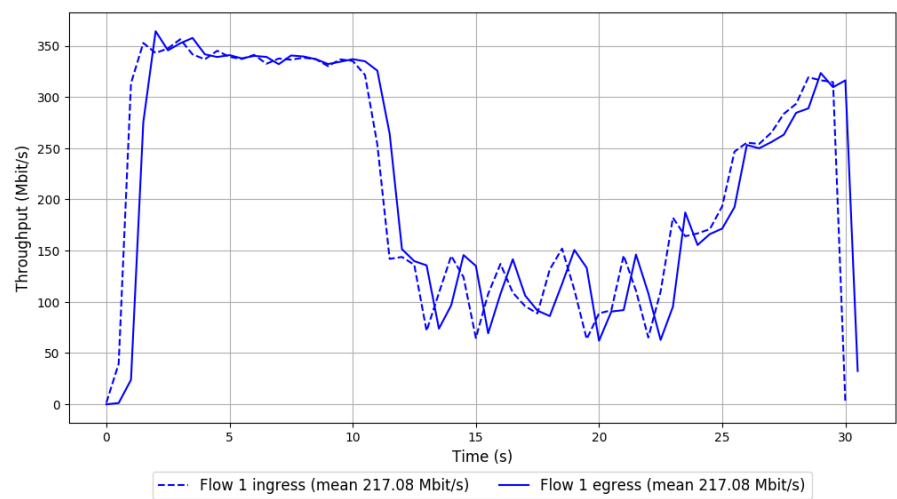


Run 8: Statistics of Copa

Start at: 2018-07-26 15:09:59
End at: 2018-07-26 15:10:29
Local clock offset: 0.242 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-26 16:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.08 Mbit/s
95th percentile per-packet one-way delay: 58.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.08 Mbit/s
95th percentile per-packet one-way delay: 58.417 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

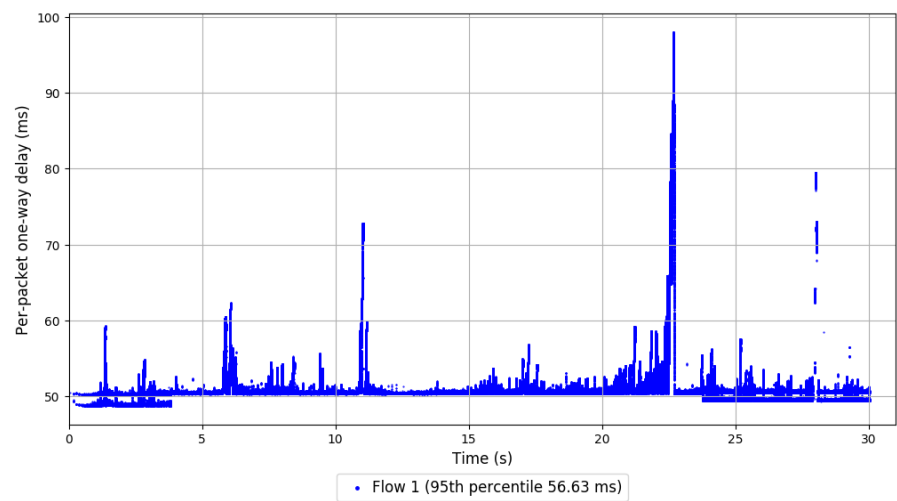
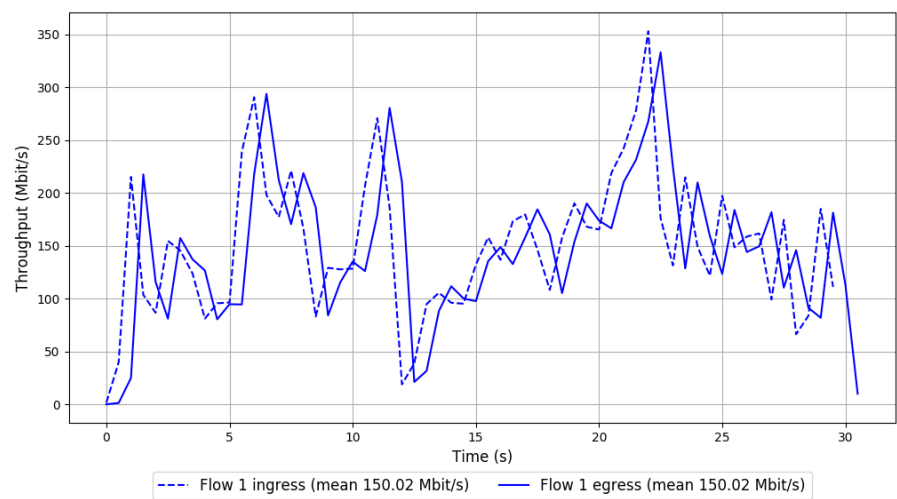


Run 9: Statistics of Copa

Start at: 2018-07-26 15:32:08
End at: 2018-07-26 15:32:38
Local clock offset: -0.132 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-26 16:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.02 Mbit/s
95th percentile per-packet one-way delay: 56.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.02 Mbit/s
95th percentile per-packet one-way delay: 56.632 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-26 15:54:08

End at: 2018-07-26 15:54:38

Local clock offset: 0.188 ms

Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-26 16:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.23 Mbit/s

95th percentile per-packet one-way delay: 73.290 ms

Loss rate: 0.00%

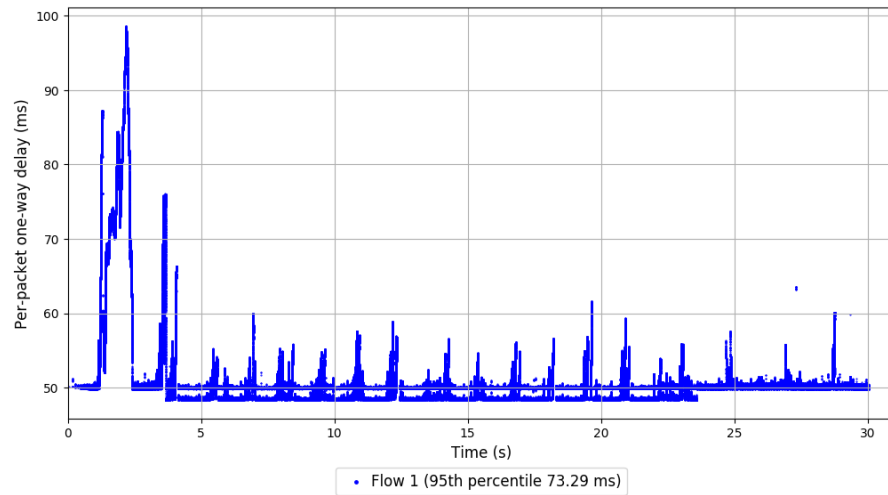
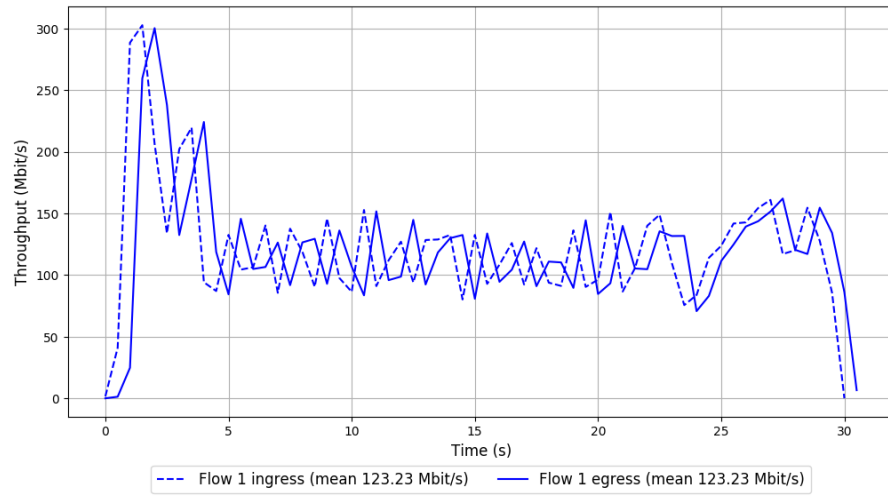
-- Flow 1:

Average throughput: 123.23 Mbit/s

95th percentile per-packet one-way delay: 73.290 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-26 12:33:58

End at: 2018-07-26 12:34:28

Local clock offset: -0.066 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-07-26 16:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.63 Mbit/s

95th percentile per-packet one-way delay: 60.721 ms

Loss rate: 0.00%

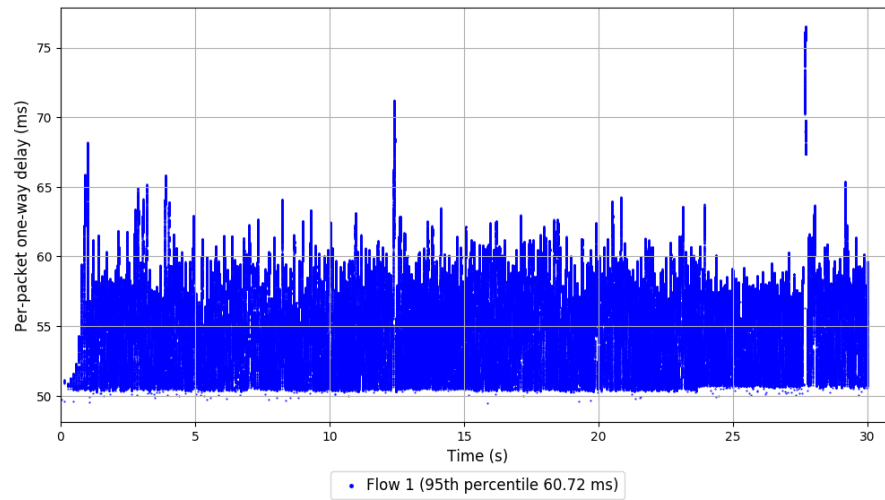
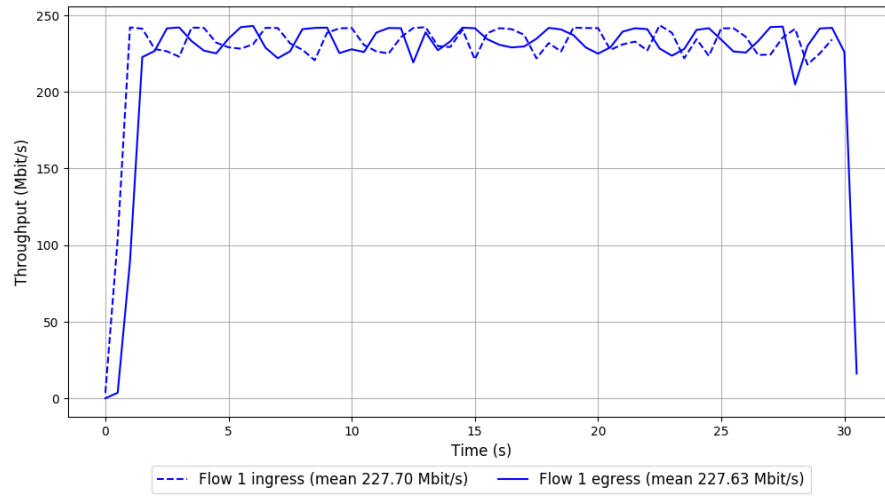
-- Flow 1:

Average throughput: 227.63 Mbit/s

95th percentile per-packet one-way delay: 60.721 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

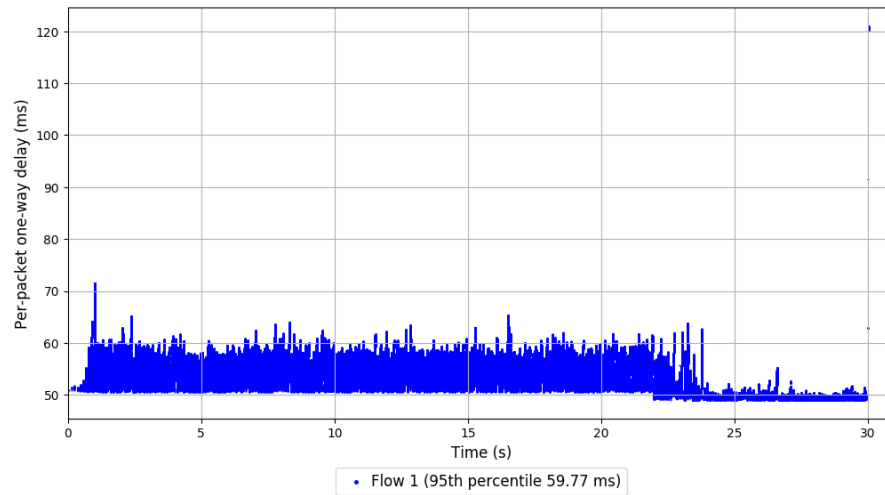
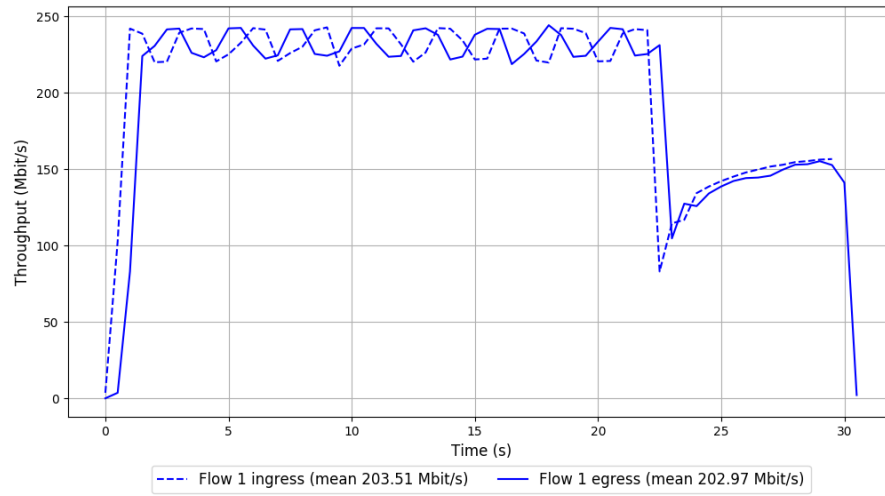


Run 2: Statistics of TCP Cubic

Start at: 2018-07-26 12:55:59
End at: 2018-07-26 12:56:29
Local clock offset: -0.098 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2018-07-26 16:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.97 Mbit/s
95th percentile per-packet one-way delay: 59.774 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 202.97 Mbit/s
95th percentile per-packet one-way delay: 59.774 ms
Loss rate: 0.24%

Run 2: Report of TCP Cubic — Data Link

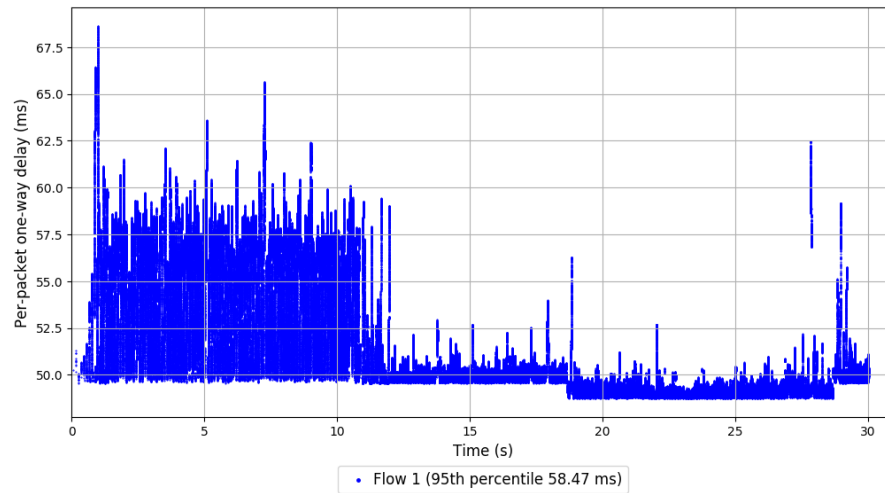
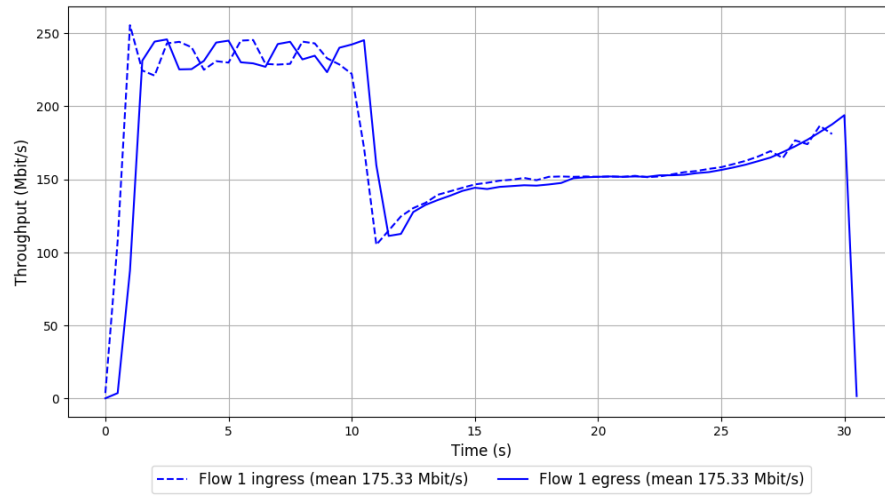


Run 3: Statistics of TCP Cubic

Start at: 2018-07-26 13:18:13
End at: 2018-07-26 13:18:43
Local clock offset: -0.207 ms
Remote clock offset: -0.811 ms

Below is generated by plot.py at 2018-07-26 16:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.33 Mbit/s
95th percentile per-packet one-way delay: 58.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.33 Mbit/s
95th percentile per-packet one-way delay: 58.467 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

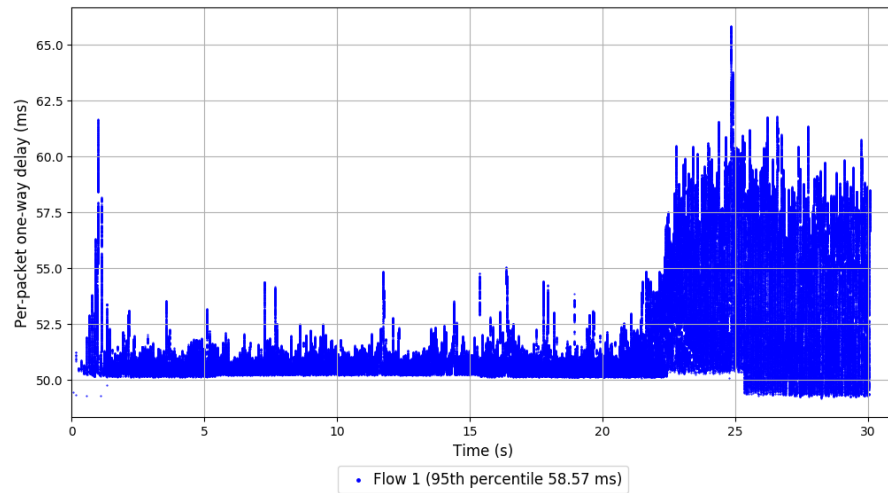
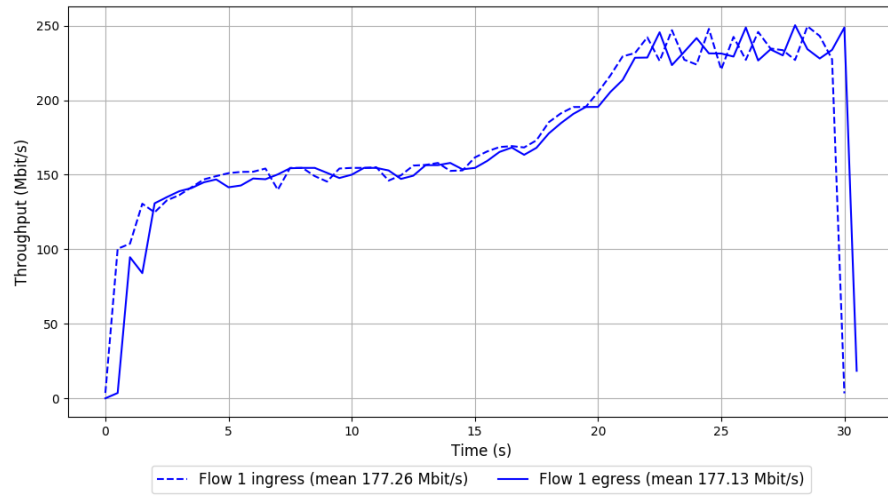


Run 4: Statistics of TCP Cubic

Start at: 2018-07-26 13:40:16
End at: 2018-07-26 13:40:46
Local clock offset: 0.257 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-07-26 16:23:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 58.568 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 58.568 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-26 14:02:13

End at: 2018-07-26 14:02:43

Local clock offset: 0.423 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-07-26 16:23:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.52 Mbit/s

95th percentile per-packet one-way delay: 57.221 ms

Loss rate: 0.02%

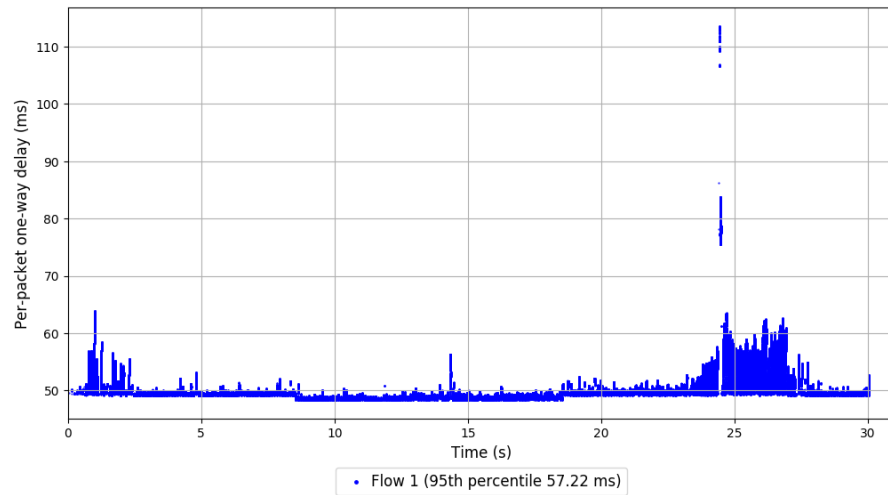
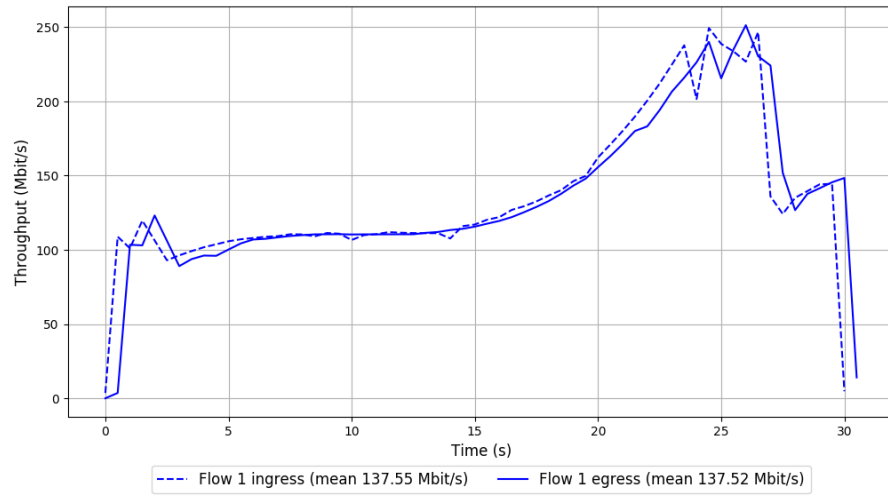
-- Flow 1:

Average throughput: 137.52 Mbit/s

95th percentile per-packet one-way delay: 57.221 ms

Loss rate: 0.02%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-26 14:24:37

End at: 2018-07-26 14:25:07

Local clock offset: 0.141 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-26 16:23:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.71 Mbit/s

95th percentile per-packet one-way delay: 59.380 ms

Loss rate: 0.00%

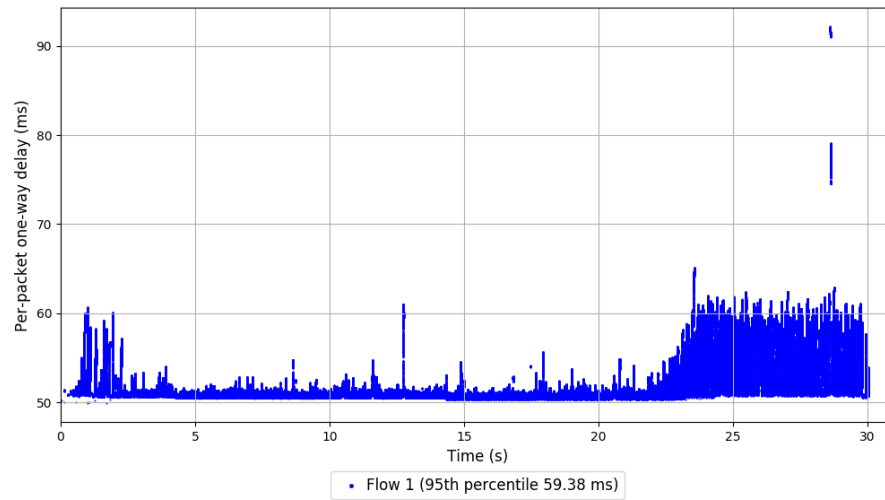
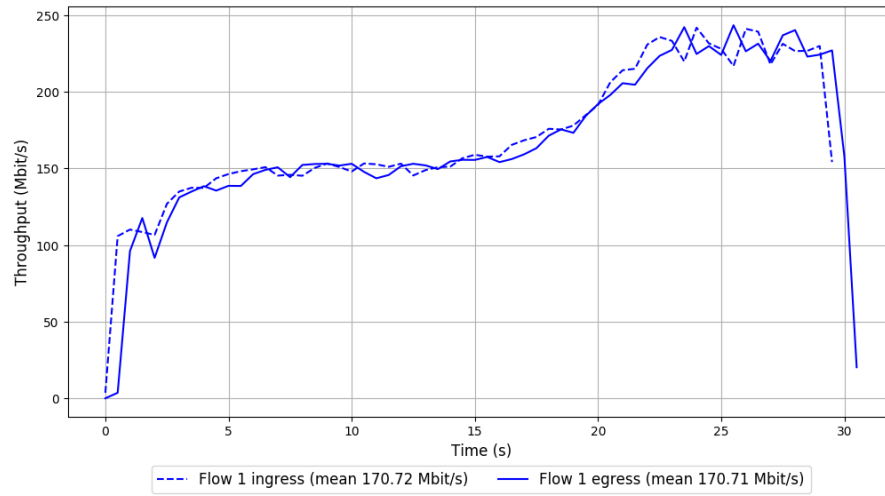
-- Flow 1:

Average throughput: 170.71 Mbit/s

95th percentile per-packet one-way delay: 59.380 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-26 14:46:34

End at: 2018-07-26 14:47:04

Local clock offset: 0.385 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-26 16:24:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.88 Mbit/s

95th percentile per-packet one-way delay: 59.602 ms

Loss rate: 0.00%

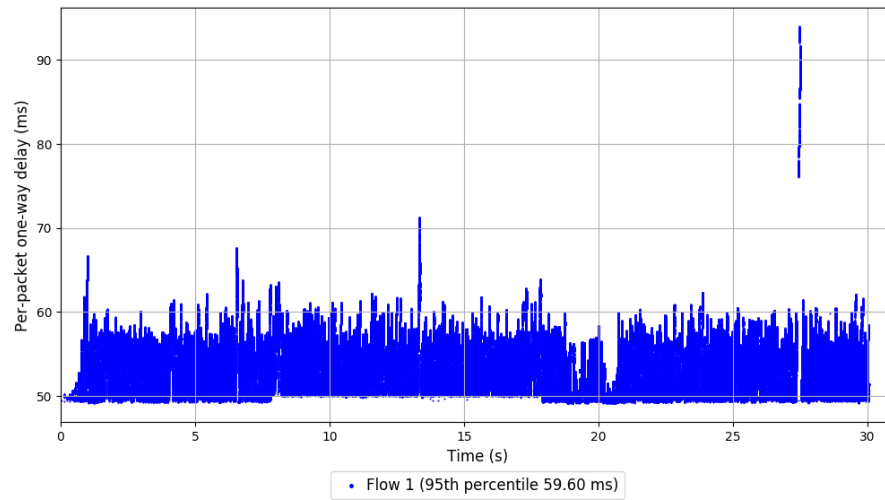
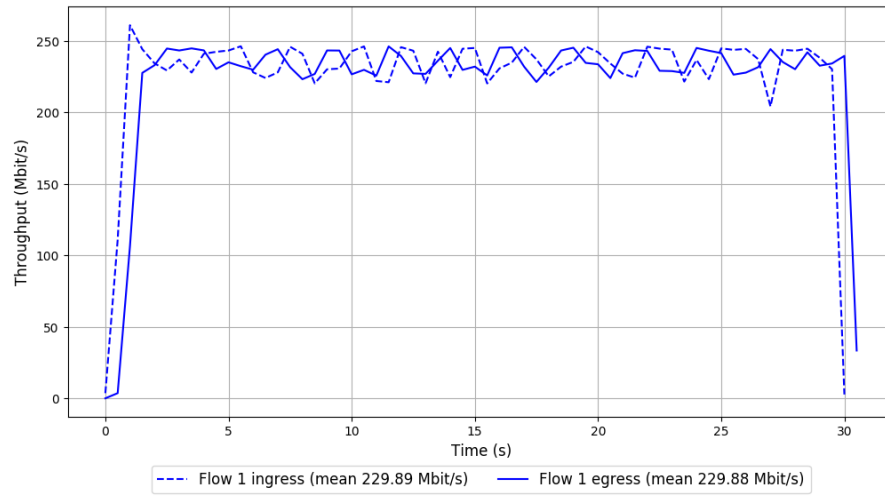
-- Flow 1:

Average throughput: 229.88 Mbit/s

95th percentile per-packet one-way delay: 59.602 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

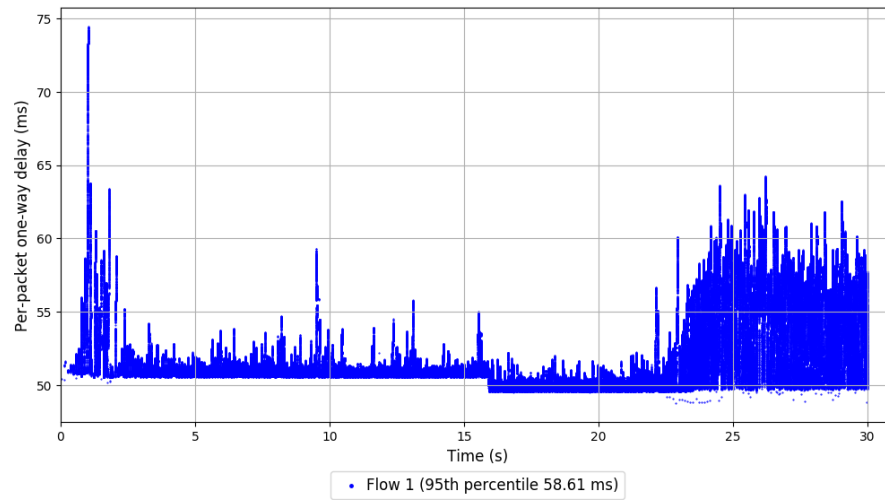
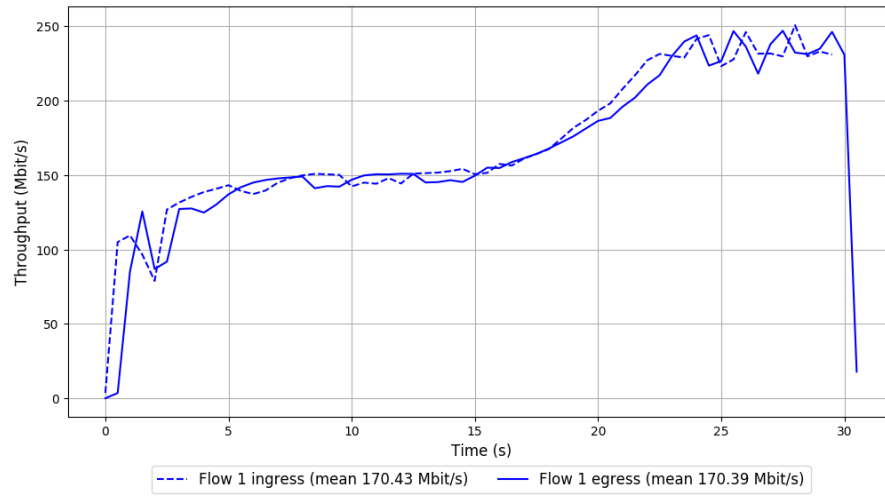


Run 8: Statistics of TCP Cubic

Start at: 2018-07-26 15:08:46
End at: 2018-07-26 15:09:16
Local clock offset: -0.148 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-26 16:24:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.39 Mbit/s
95th percentile per-packet one-way delay: 58.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.39 Mbit/s
95th percentile per-packet one-way delay: 58.613 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

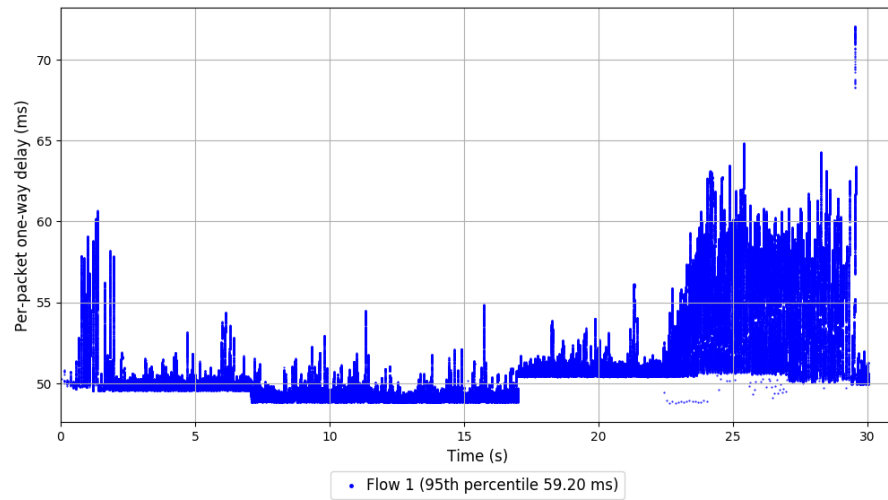
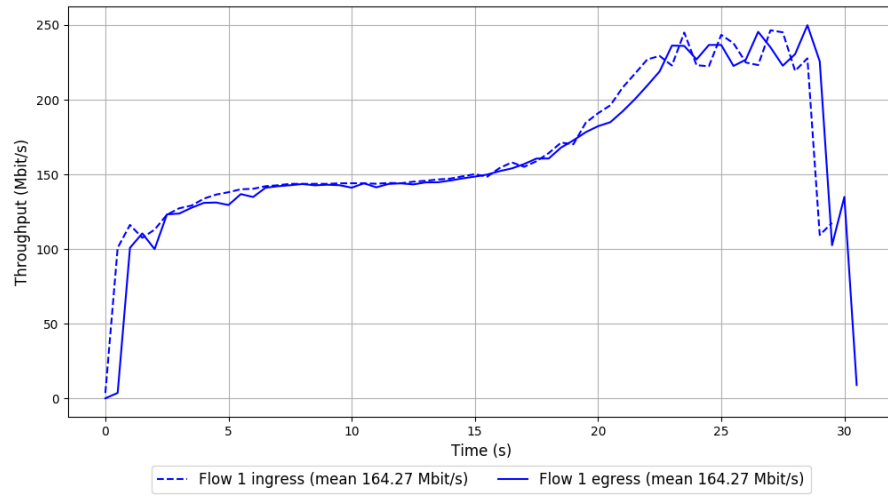


Run 9: Statistics of TCP Cubic

Start at: 2018-07-26 15:30:54
End at: 2018-07-26 15:31:24
Local clock offset: -0.131 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-26 16:24:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.27 Mbit/s
95th percentile per-packet one-way delay: 59.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.27 Mbit/s
95th percentile per-packet one-way delay: 59.197 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-26 15:52:54

End at: 2018-07-26 15:53:24

Local clock offset: 0.192 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-26 16:24:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.61 Mbit/s

95th percentile per-packet one-way delay: 59.265 ms

Loss rate: 0.00%

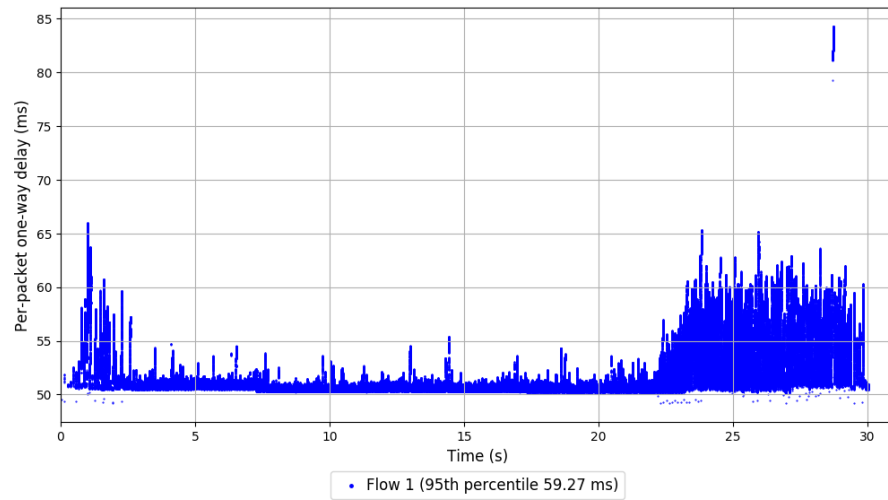
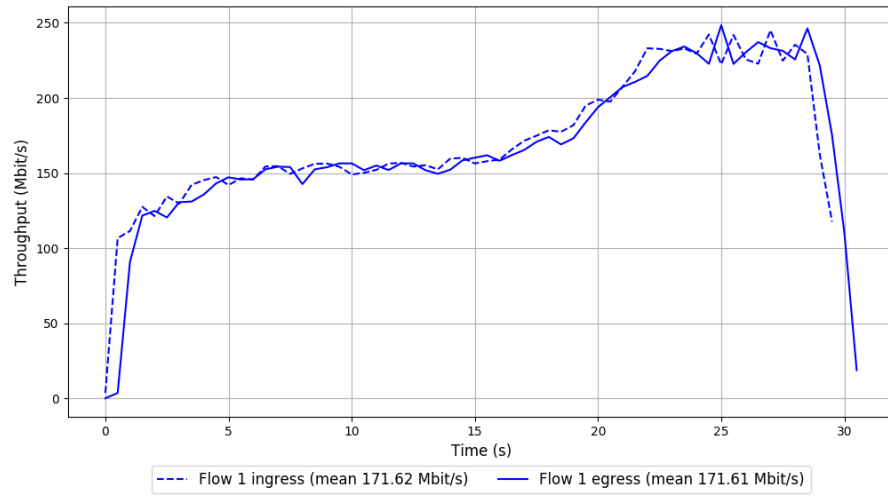
-- Flow 1:

Average throughput: 171.61 Mbit/s

95th percentile per-packet one-way delay: 59.265 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

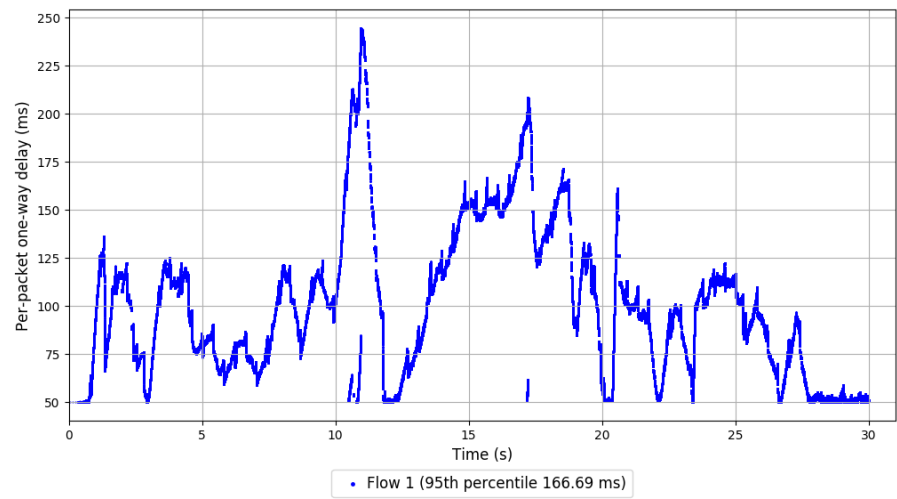
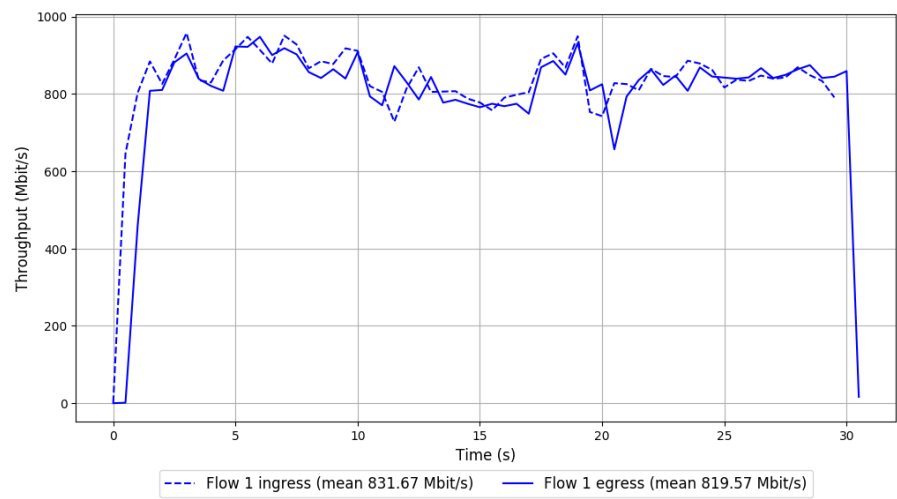


Run 1: Statistics of FillP

Start at: 2018-07-26 12:18:09
End at: 2018-07-26 12:18:39
Local clock offset: -0.46 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-26 16:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 819.57 Mbit/s
95th percentile per-packet one-way delay: 166.693 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 819.57 Mbit/s
95th percentile per-packet one-way delay: 166.693 ms
Loss rate: 1.45%

Run 1: Report of FillP — Data Link

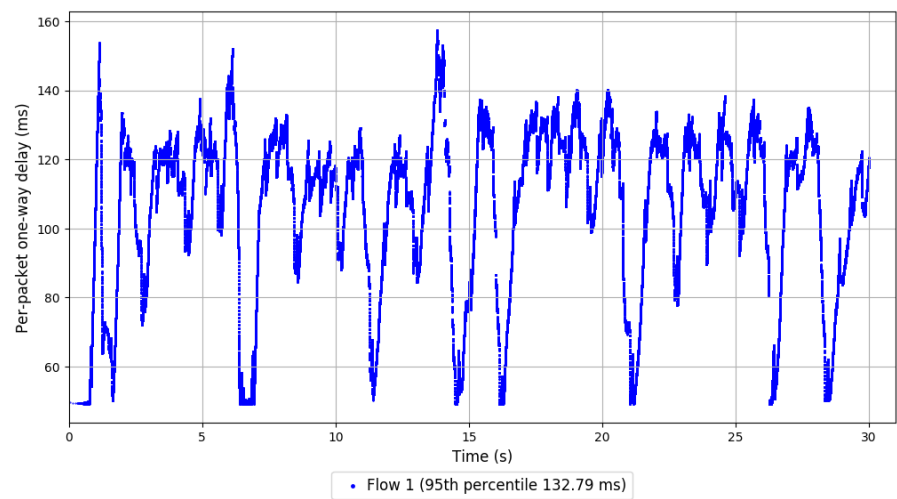
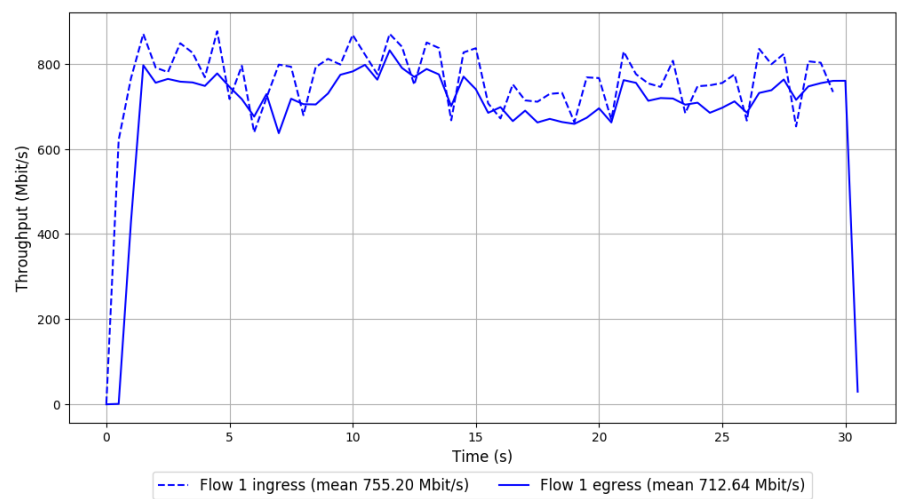


Run 2: Statistics of FillP

Start at: 2018-07-26 12:40:05
End at: 2018-07-26 12:40:35
Local clock offset: 0.252 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-07-26 16:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 712.64 Mbit/s
95th percentile per-packet one-way delay: 132.794 ms
Loss rate: 5.63%
-- Flow 1:
Average throughput: 712.64 Mbit/s
95th percentile per-packet one-way delay: 132.794 ms
Loss rate: 5.63%

Run 2: Report of FillP — Data Link

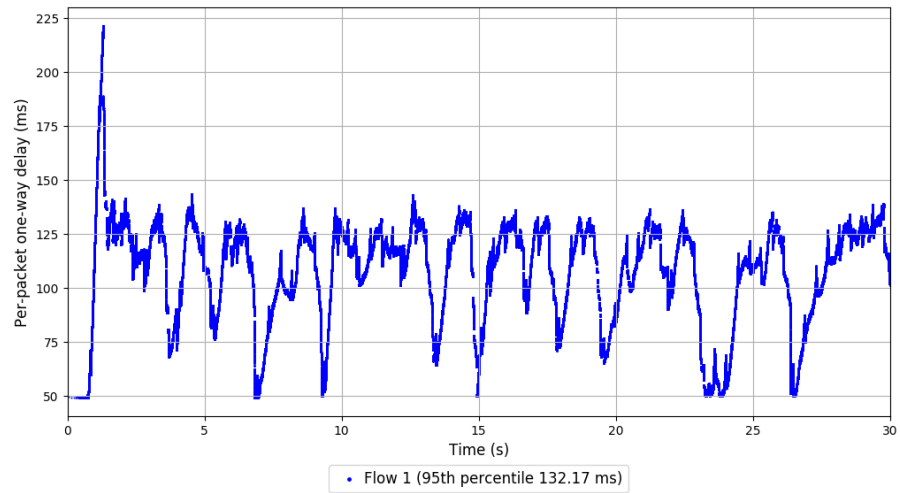
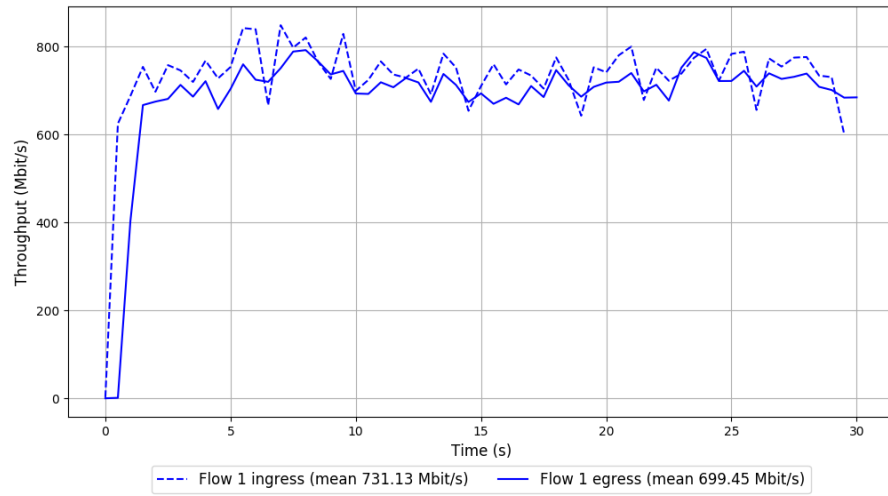


Run 3: Statistics of FillP

Start at: 2018-07-26 13:02:13
End at: 2018-07-26 13:02:43
Local clock offset: 0.239 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2018-07-26 16:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 699.45 Mbit/s
95th percentile per-packet one-way delay: 132.171 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 699.45 Mbit/s
95th percentile per-packet one-way delay: 132.171 ms
Loss rate: 4.33%

Run 3: Report of FillP — Data Link

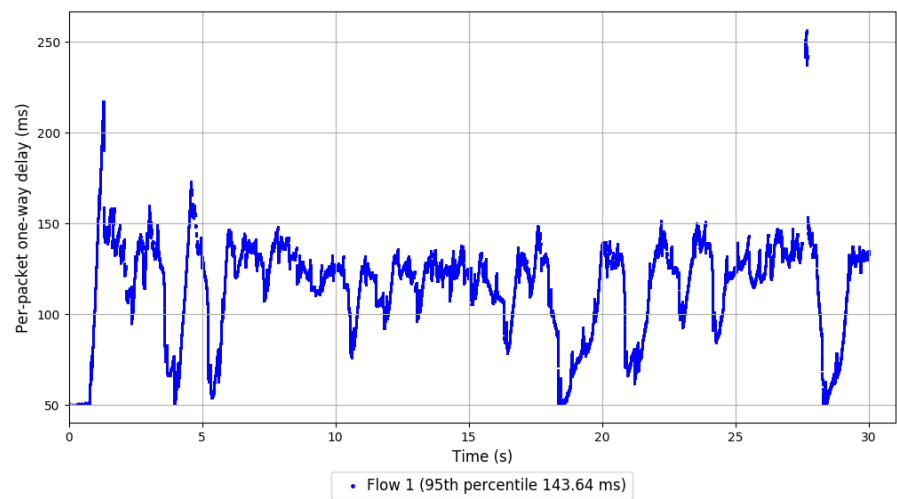
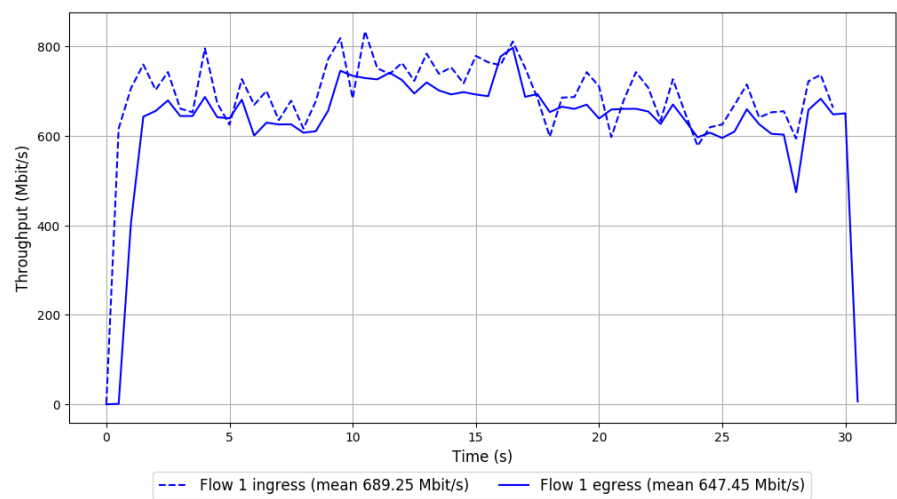


Run 4: Statistics of FillP

Start at: 2018-07-26 13:24:26
End at: 2018-07-26 13:24:56
Local clock offset: -0.272 ms
Remote clock offset: -0.829 ms

Below is generated by plot.py at 2018-07-26 16:38:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 647.45 Mbit/s
95th percentile per-packet one-way delay: 143.639 ms
Loss rate: 6.06%
-- Flow 1:
Average throughput: 647.45 Mbit/s
95th percentile per-packet one-way delay: 143.639 ms
Loss rate: 6.06%

Run 4: Report of FillP — Data Link

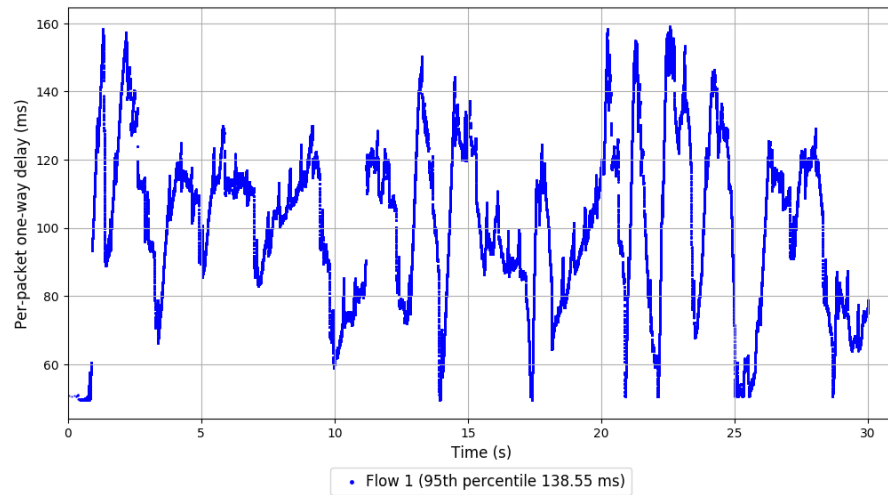
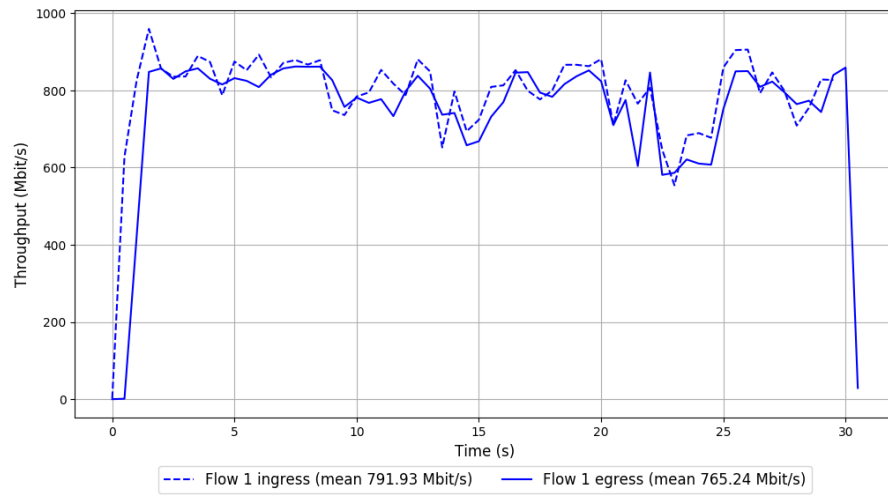


Run 5: Statistics of FillP

Start at: 2018-07-26 13:46:21
End at: 2018-07-26 13:46:51
Local clock offset: -0.021 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-26 16:39:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.24 Mbit/s
95th percentile per-packet one-way delay: 138.554 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 765.24 Mbit/s
95th percentile per-packet one-way delay: 138.554 ms
Loss rate: 3.37%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-26 14:08:33

End at: 2018-07-26 14:09:03

Local clock offset: 0.463 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-26 16:39:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 751.76 Mbit/s

95th percentile per-packet one-way delay: 216.016 ms

Loss rate: 3.15%

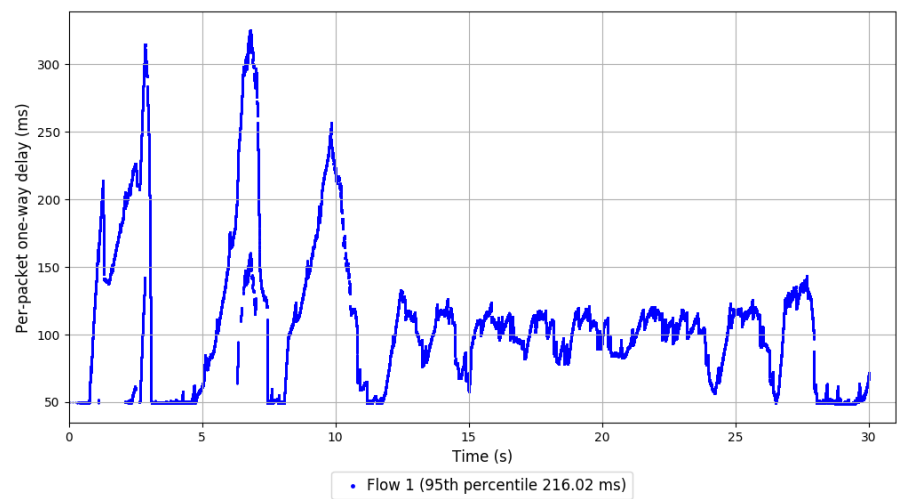
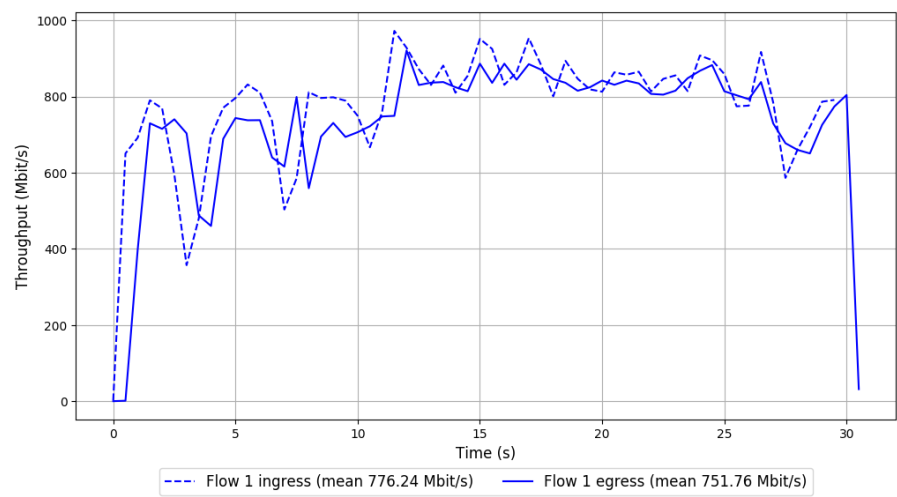
-- Flow 1:

Average throughput: 751.76 Mbit/s

95th percentile per-packet one-way delay: 216.016 ms

Loss rate: 3.15%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-26 14:30:47

End at: 2018-07-26 14:31:17

Local clock offset: 0.163 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-26 16:39:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 673.86 Mbit/s

95th percentile per-packet one-way delay: 136.894 ms

Loss rate: 3.75%

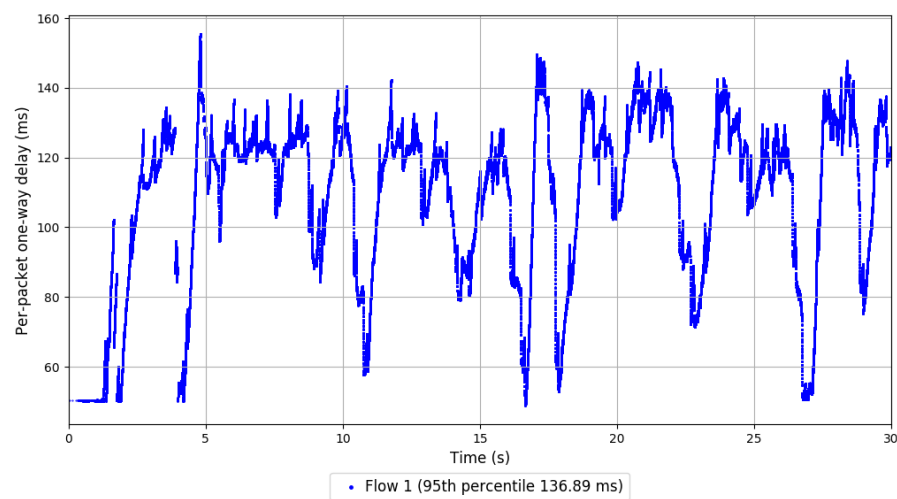
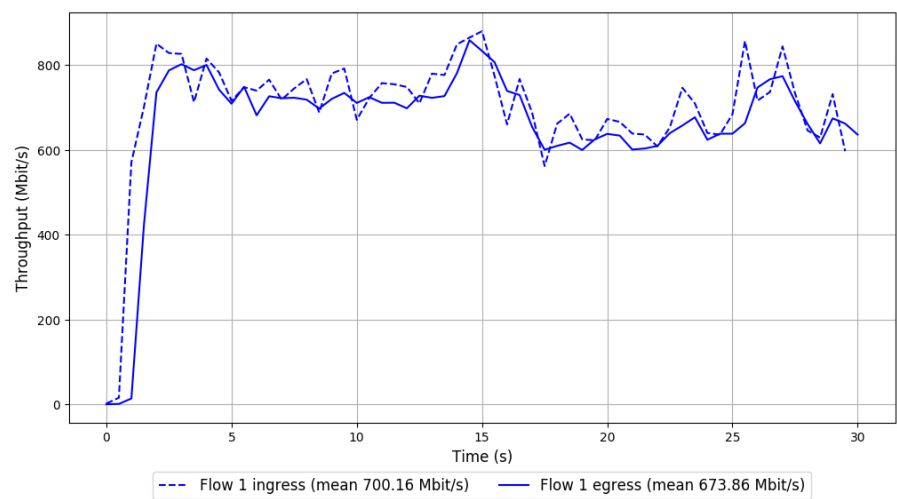
-- Flow 1:

Average throughput: 673.86 Mbit/s

95th percentile per-packet one-way delay: 136.894 ms

Loss rate: 3.75%

Run 7: Report of FillP — Data Link

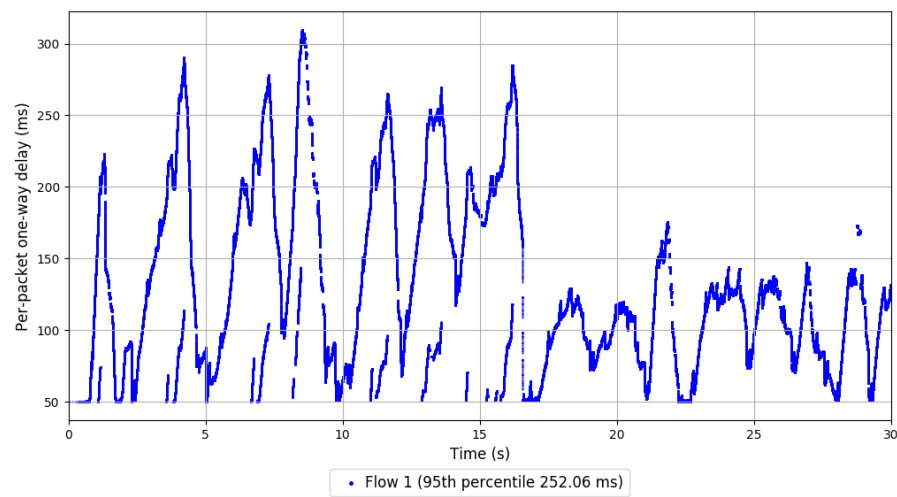
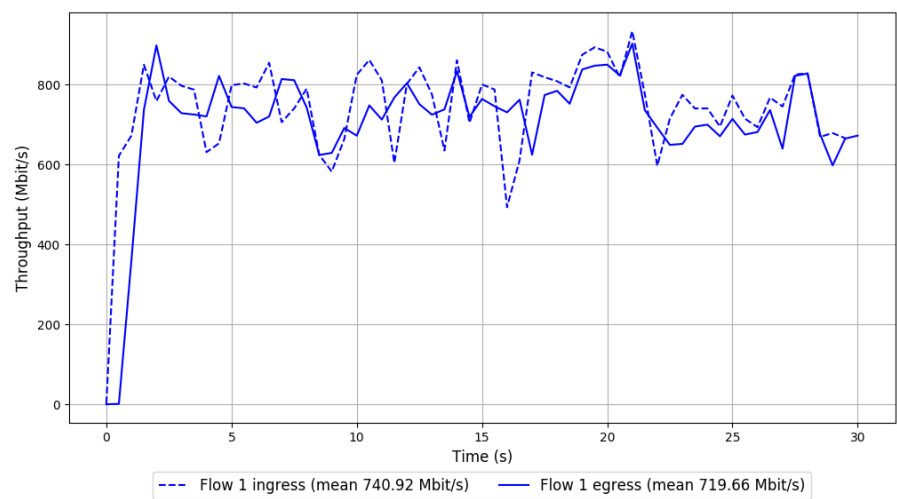


Run 8: Statistics of FillP

Start at: 2018-07-26 14:52:54
End at: 2018-07-26 14:53:24
Local clock offset: -0.484 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-26 16:39:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 719.66 Mbit/s
95th percentile per-packet one-way delay: 252.055 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 719.66 Mbit/s
95th percentile per-packet one-way delay: 252.055 ms
Loss rate: 2.86%

Run 8: Report of FillP — Data Link

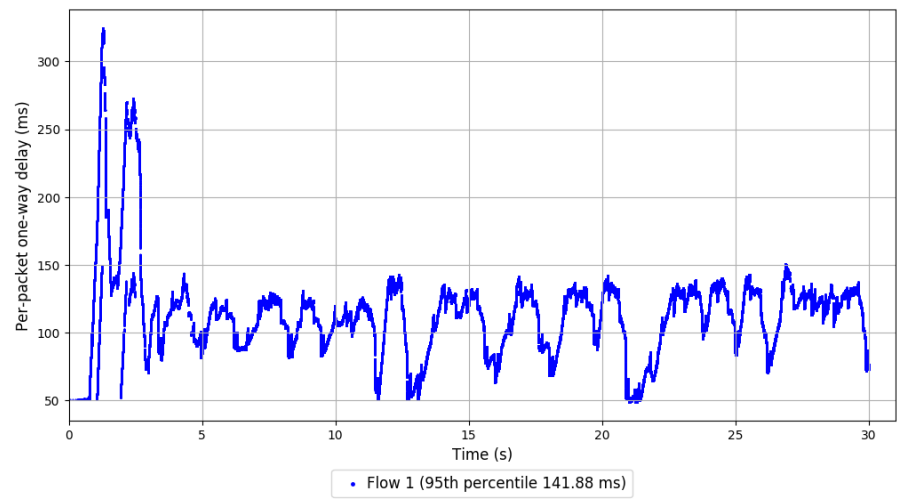
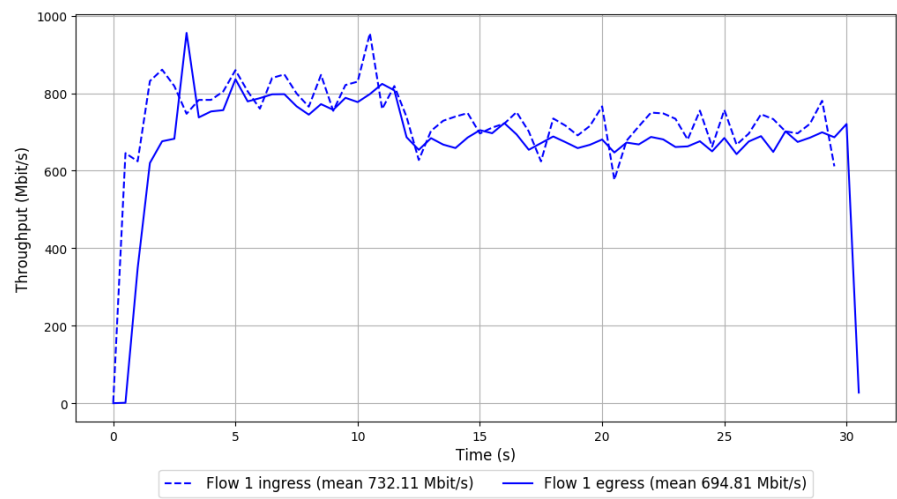


Run 9: Statistics of FillP

Start at: 2018-07-26 15:14:58
End at: 2018-07-26 15:15:28
Local clock offset: -0.137 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-26 16:51:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 694.81 Mbit/s
95th percentile per-packet one-way delay: 141.879 ms
Loss rate: 5.10%
-- Flow 1:
Average throughput: 694.81 Mbit/s
95th percentile per-packet one-way delay: 141.879 ms
Loss rate: 5.10%

Run 9: Report of FillP — Data Link

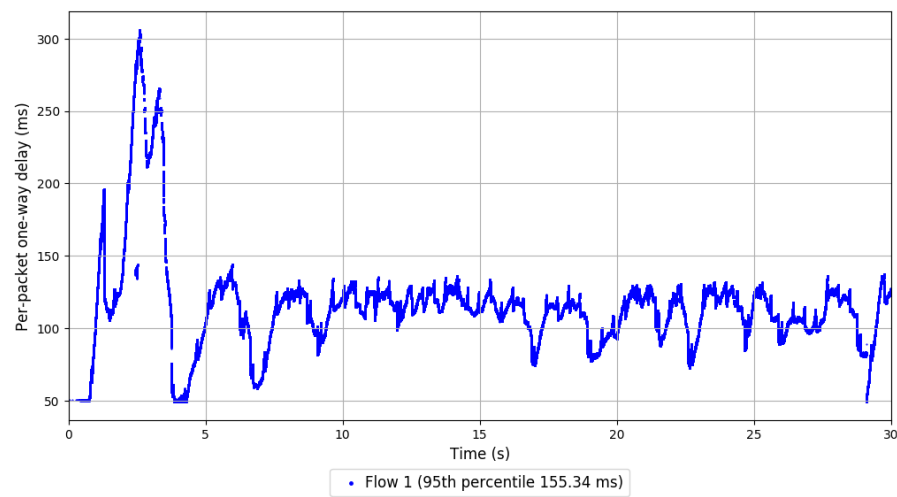
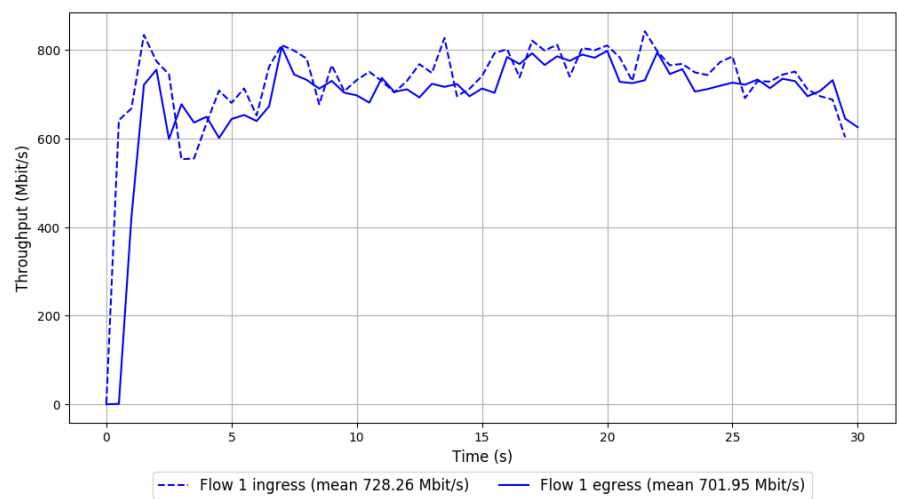


Run 10: Statistics of FillP

Start at: 2018-07-26 15:37:00
End at: 2018-07-26 15:37:30
Local clock offset: 0.18 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-26 16:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 701.95 Mbit/s
95th percentile per-packet one-way delay: 155.339 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 701.95 Mbit/s
95th percentile per-packet one-way delay: 155.339 ms
Loss rate: 3.61%

Run 10: Report of FillP — Data Link

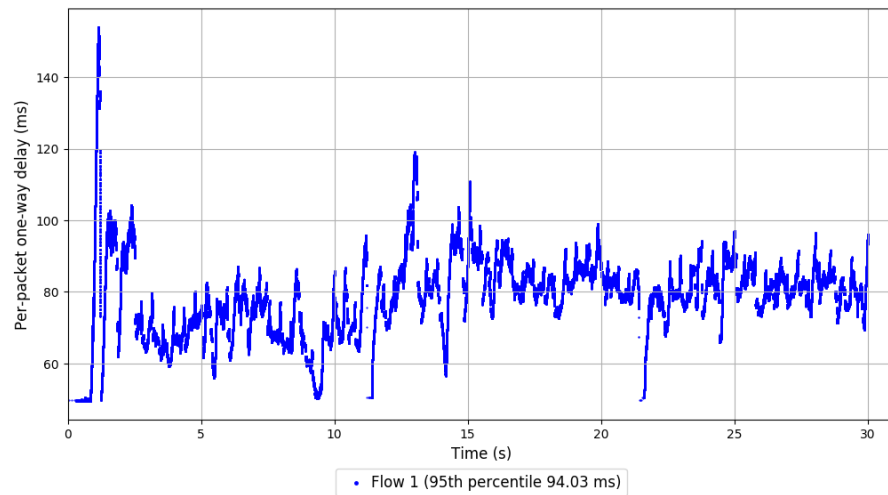
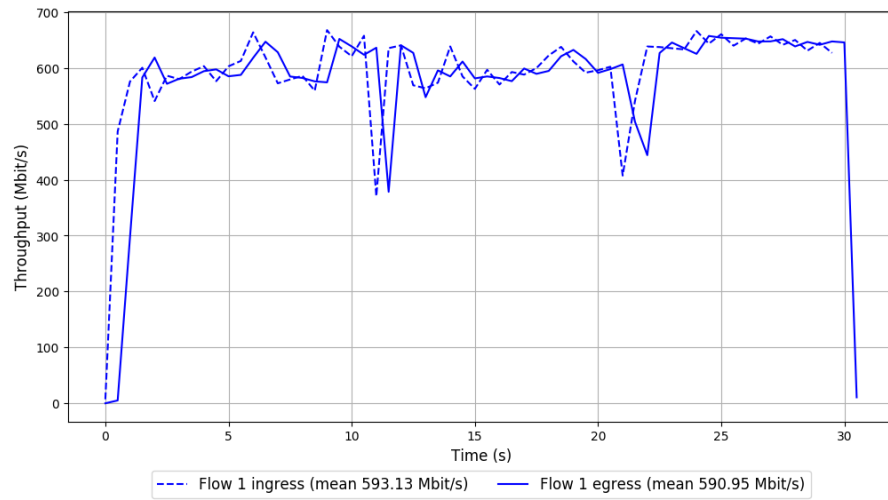


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-26 12:28:50
End at: 2018-07-26 12:29:20
Local clock offset: -0.095 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-07-26 16:51:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 590.95 Mbit/s
95th percentile per-packet one-way delay: 94.025 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 590.95 Mbit/s
95th percentile per-packet one-way delay: 94.025 ms
Loss rate: 0.36%

Run 1: Report of FillP-Sheep — Data Link

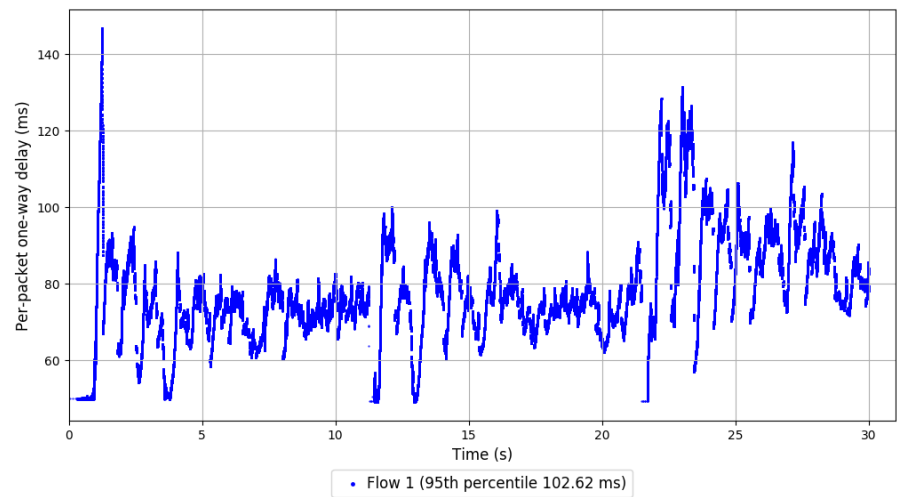
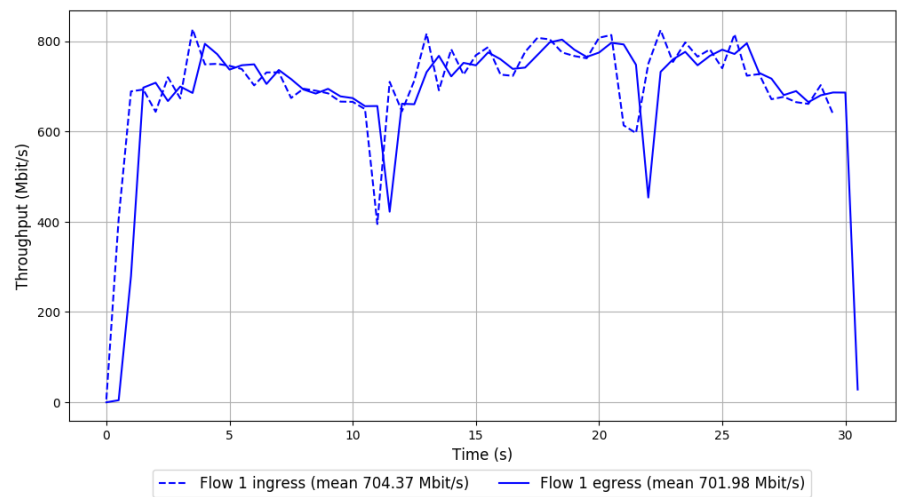


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-26 12:50:38
End at: 2018-07-26 12:51:08
Local clock offset: 0.253 ms
Remote clock offset: -0.605 ms

Below is generated by plot.py at 2018-07-26 16:52:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 701.98 Mbit/s
95th percentile per-packet one-way delay: 102.616 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 701.98 Mbit/s
95th percentile per-packet one-way delay: 102.616 ms
Loss rate: 0.34%

Run 2: Report of FillP-Sheep — Data Link

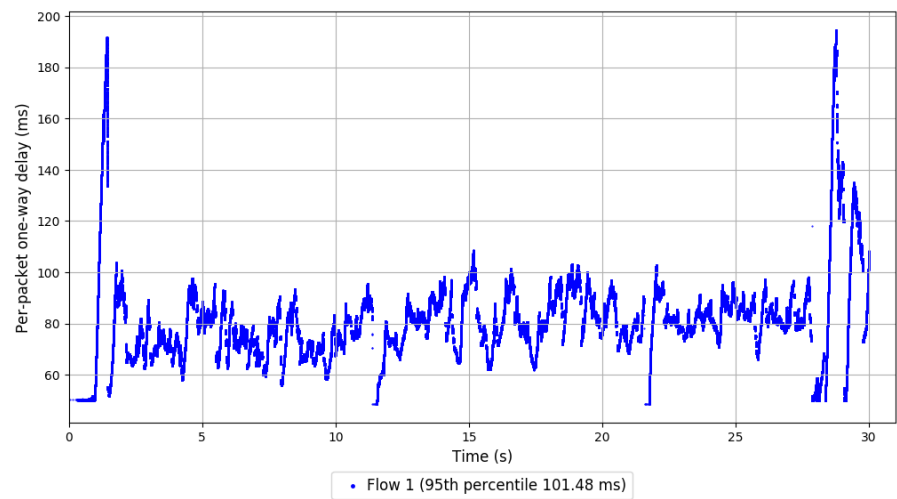
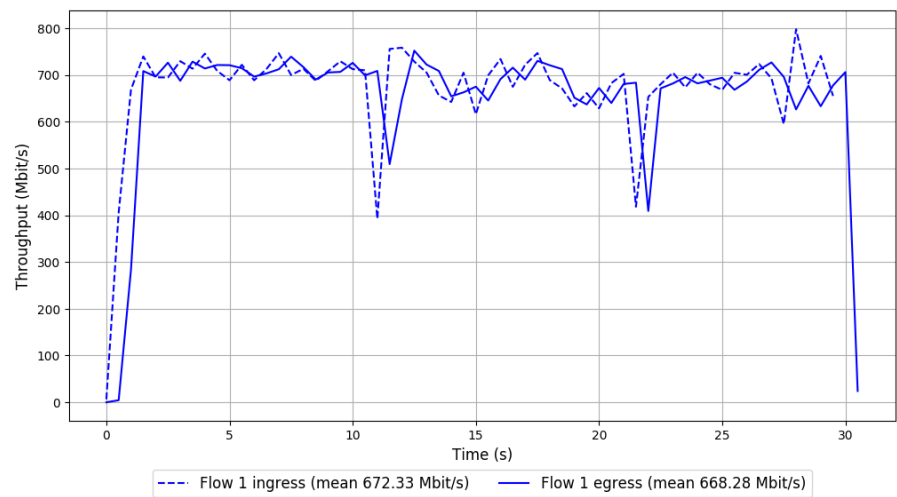


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-26 13:12:54
End at: 2018-07-26 13:13:24
Local clock offset: 0.168 ms
Remote clock offset: -0.767 ms

Below is generated by plot.py at 2018-07-26 16:52:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.28 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 668.28 Mbit/s
95th percentile per-packet one-way delay: 101.482 ms
Loss rate: 0.59%

Run 3: Report of FillP-Sheep — Data Link

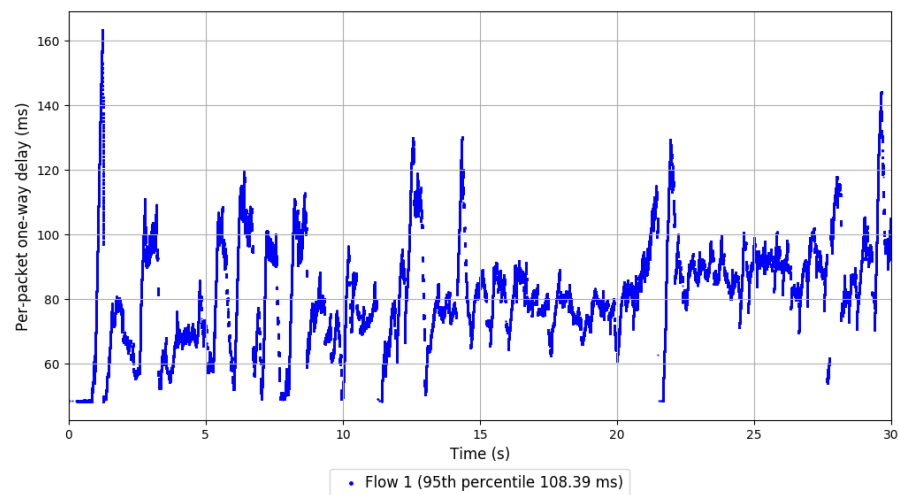
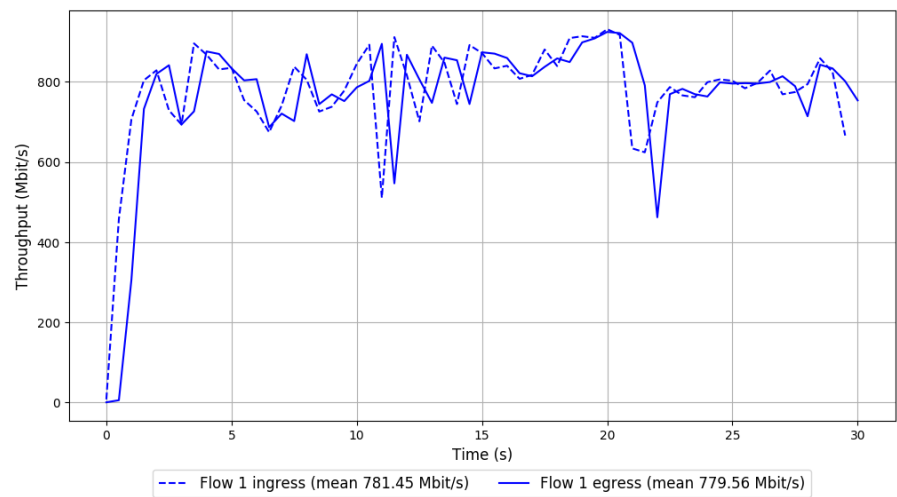


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-26 13:34:50
End at: 2018-07-26 13:35:20
Local clock offset: 0.286 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2018-07-26 16:54:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 779.56 Mbit/s
95th percentile per-packet one-way delay: 108.386 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 779.56 Mbit/s
95th percentile per-packet one-way delay: 108.386 ms
Loss rate: 0.24%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-26 13:56:57

End at: 2018-07-26 13:57:27

Local clock offset: 0.059 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-26 16:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.33 Mbit/s

95th percentile per-packet one-way delay: 104.421 ms

Loss rate: 0.09%

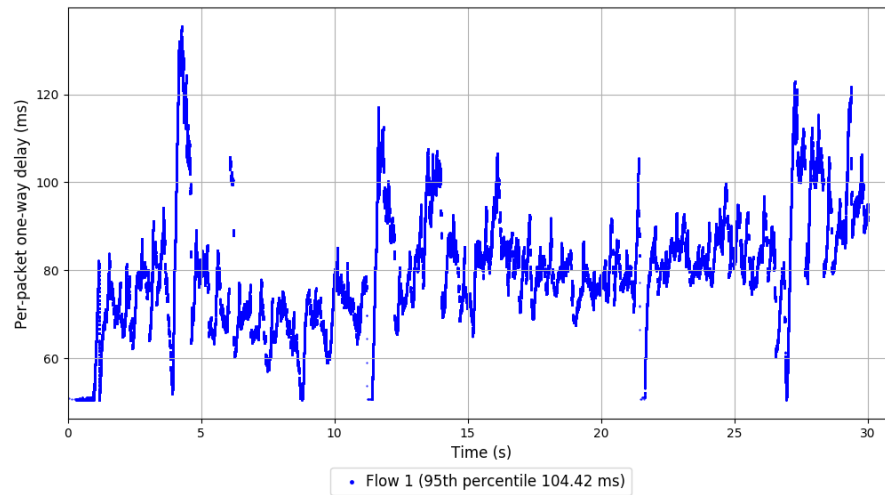
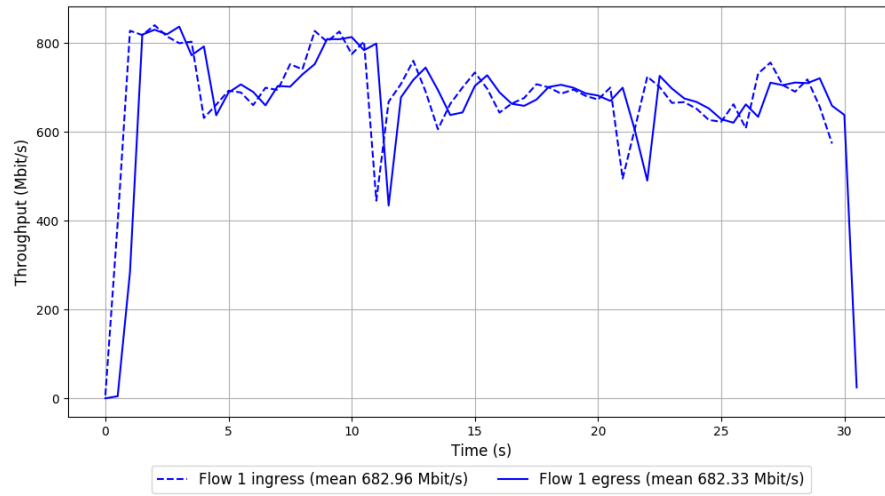
-- Flow 1:

Average throughput: 682.33 Mbit/s

95th percentile per-packet one-way delay: 104.421 ms

Loss rate: 0.09%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-26 14:19:15

End at: 2018-07-26 14:19:45

Local clock offset: 0.152 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-26 16:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 685.25 Mbit/s

95th percentile per-packet one-way delay: 93.959 ms

Loss rate: 0.12%

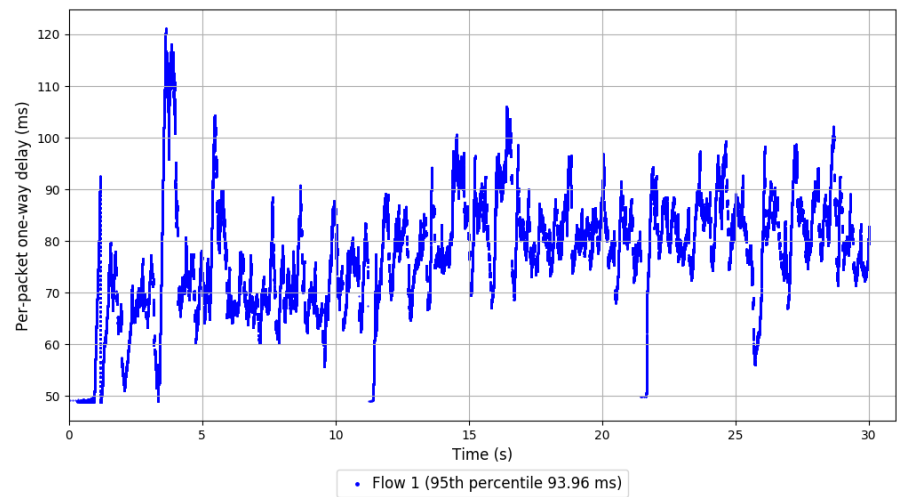
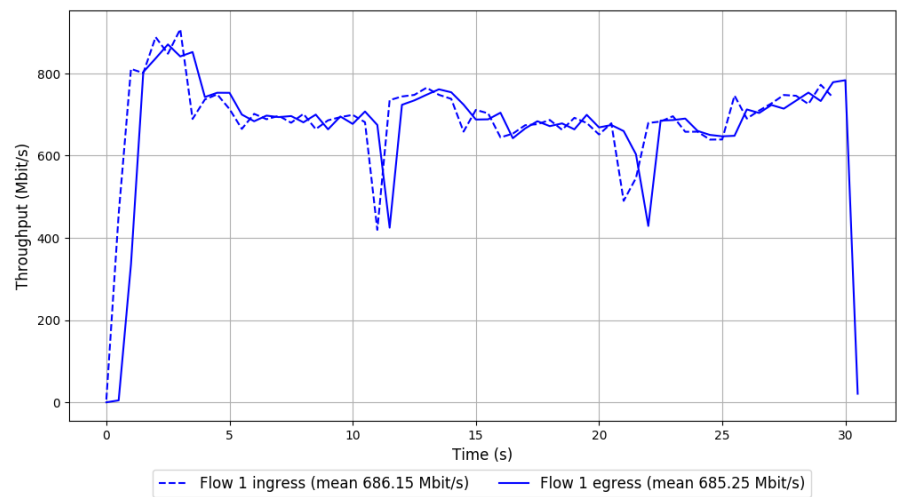
-- Flow 1:

Average throughput: 685.25 Mbit/s

95th percentile per-packet one-way delay: 93.959 ms

Loss rate: 0.12%

Run 6: Report of FillP-Sheep — Data Link

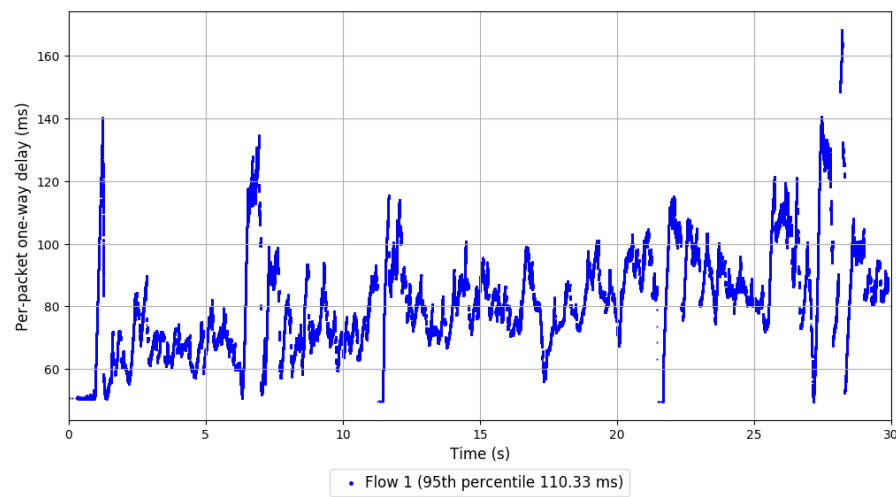
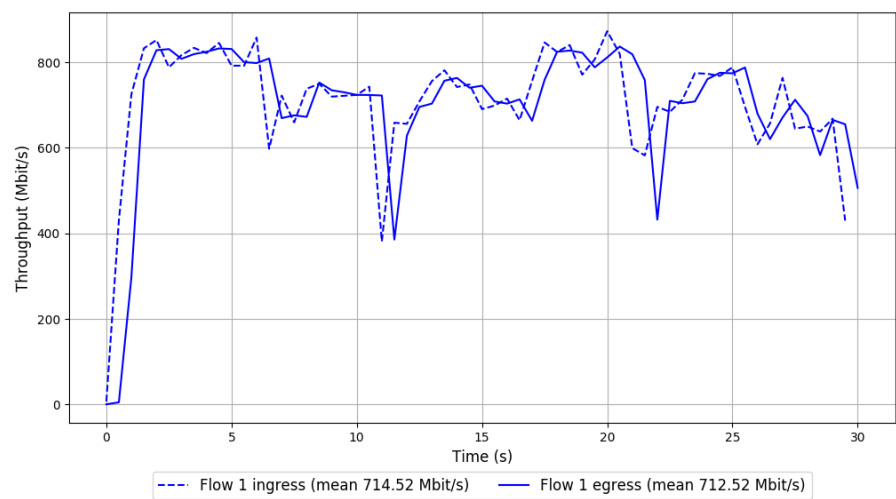


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-26 14:41:18
End at: 2018-07-26 14:41:48
Local clock offset: 0.096 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-26 17:04:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 712.52 Mbit/s
95th percentile per-packet one-way delay: 110.333 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 712.52 Mbit/s
95th percentile per-packet one-way delay: 110.333 ms
Loss rate: 0.28%

Run 7: Report of FillP-Sheep — Data Link

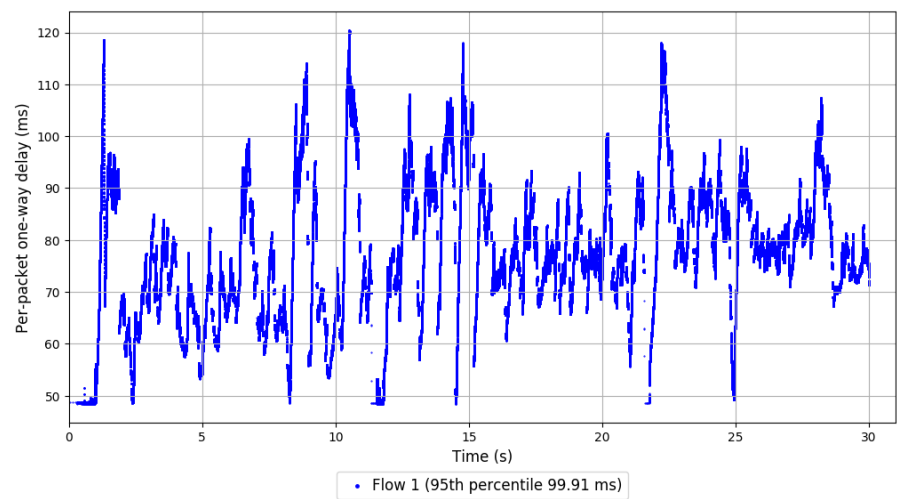
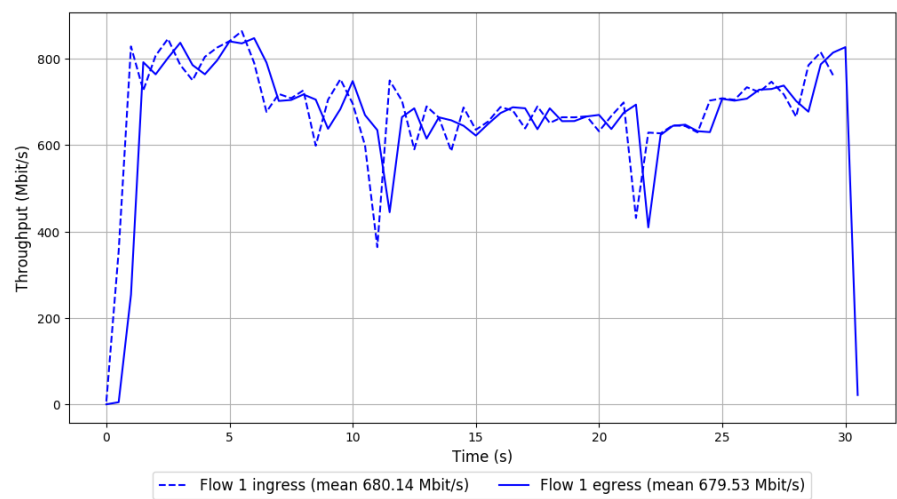


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-26 15:03:33
End at: 2018-07-26 15:04:03
Local clock offset: 0.27 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-26 17:05:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 679.53 Mbit/s
95th percentile per-packet one-way delay: 99.908 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 679.53 Mbit/s
95th percentile per-packet one-way delay: 99.908 ms
Loss rate: 0.08%

Run 8: Report of FillP-Sheep — Data Link

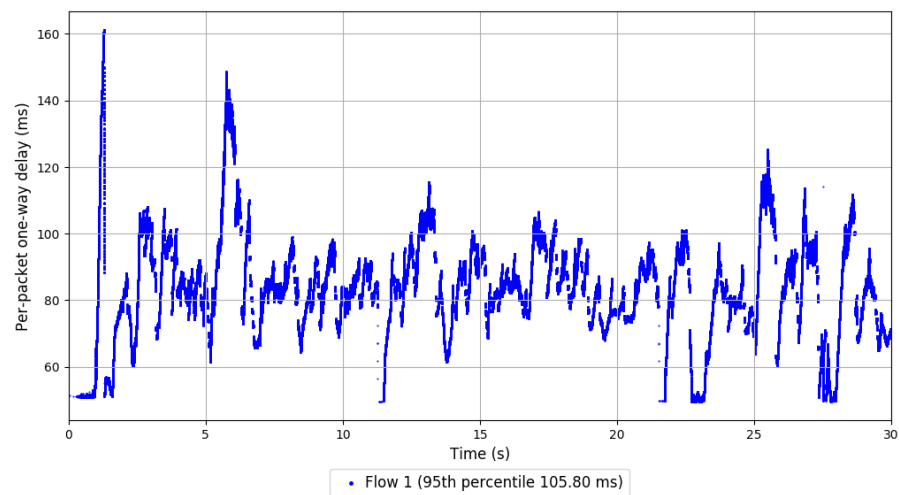
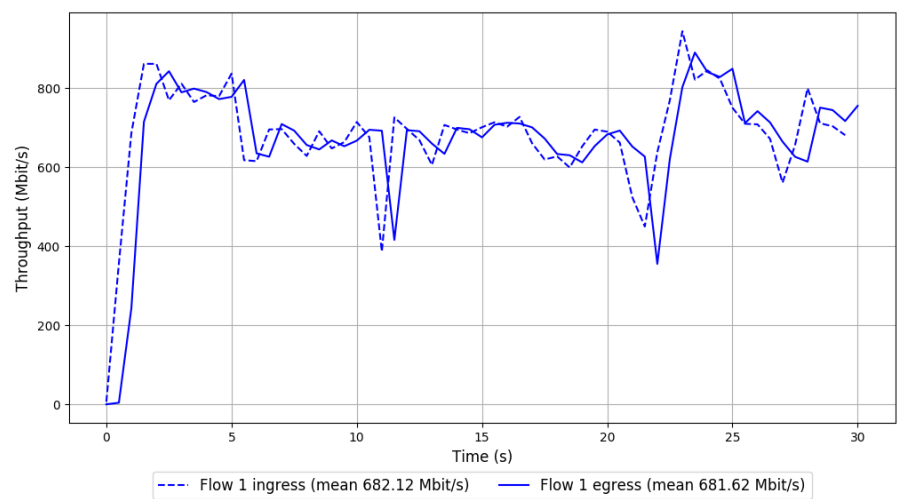


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-26 15:25:36
End at: 2018-07-26 15:26:06
Local clock offset: -0.147 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-26 17:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 681.62 Mbit/s
95th percentile per-packet one-way delay: 105.803 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 681.62 Mbit/s
95th percentile per-packet one-way delay: 105.803 ms
Loss rate: 0.07%

Run 9: Report of FillP-Sheep — Data Link

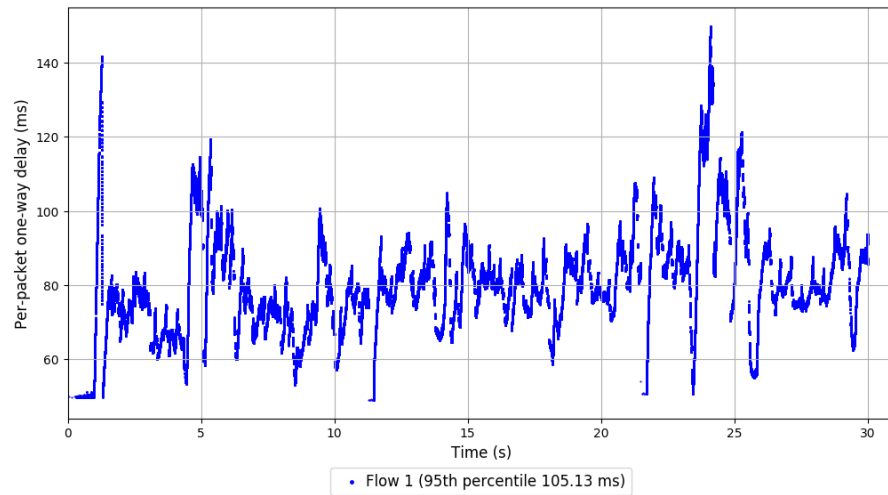
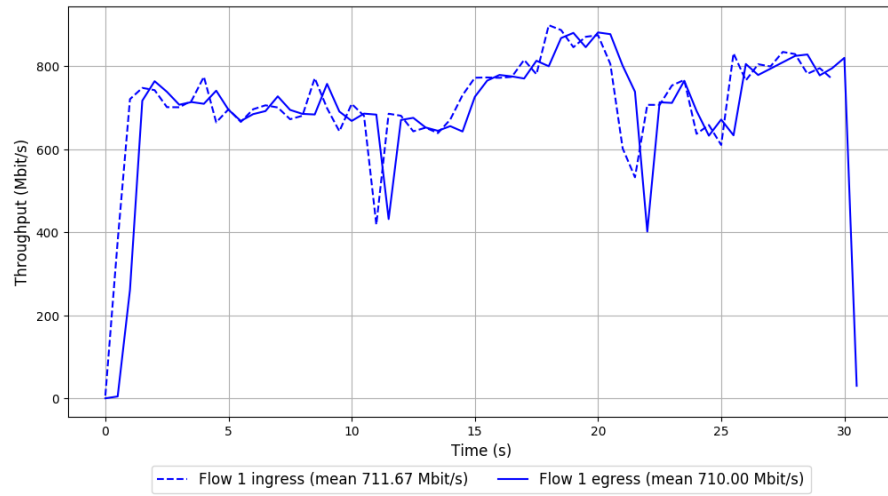


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-26 15:47:39
End at: 2018-07-26 15:48:09
Local clock offset: -0.169 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 710.00 Mbit/s
95th percentile per-packet one-way delay: 105.132 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 710.00 Mbit/s
95th percentile per-packet one-way delay: 105.132 ms
Loss rate: 0.23%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-26 12:26:25

End at: 2018-07-26 12:26:55

Local clock offset: 0.307 ms

Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.64 Mbit/s

95th percentile per-packet one-way delay: 50.119 ms

Loss rate: 0.00%

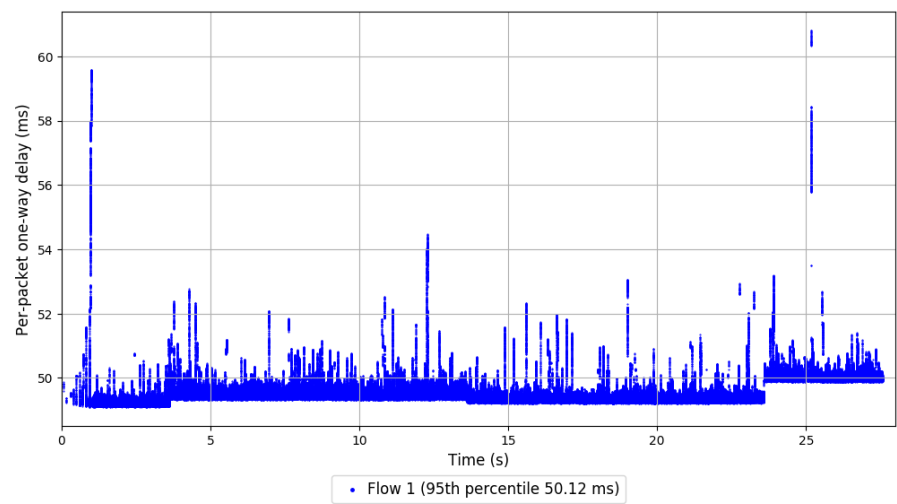
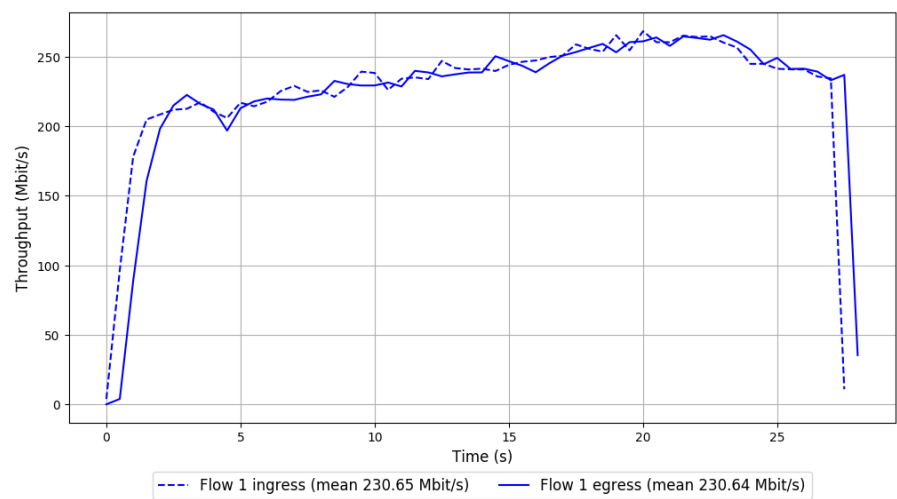
-- Flow 1:

Average throughput: 230.64 Mbit/s

95th percentile per-packet one-way delay: 50.119 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

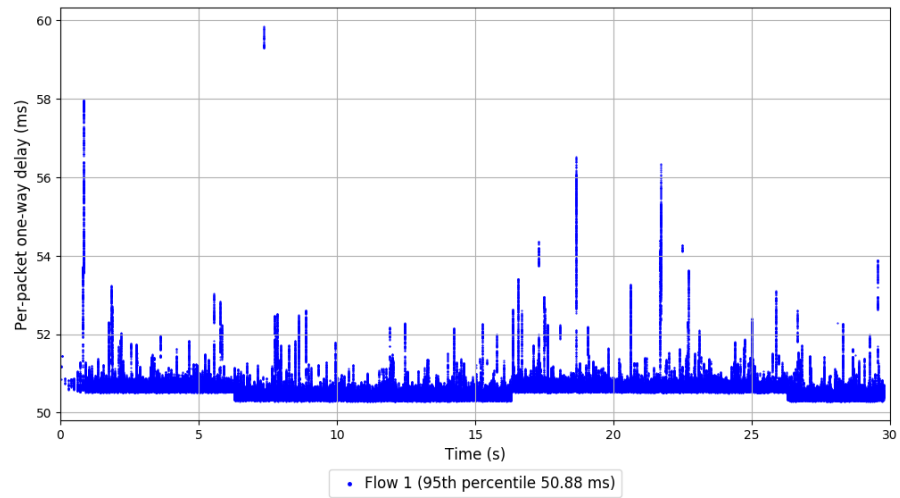
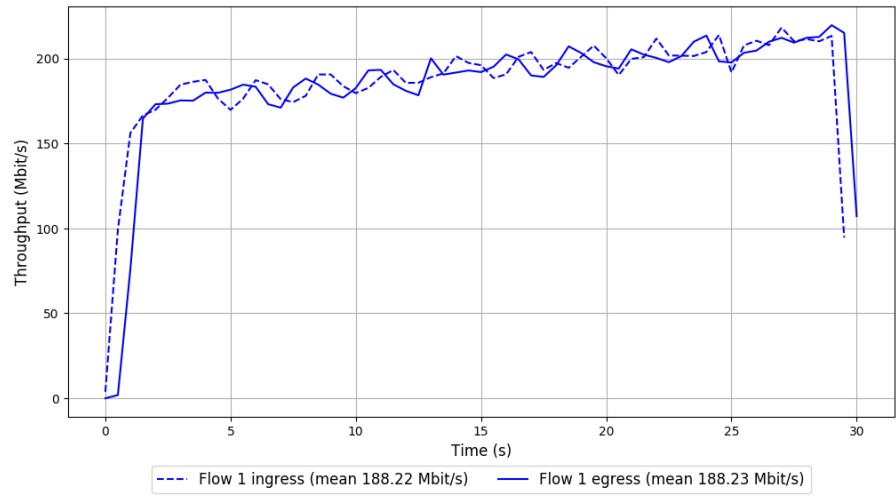


Run 2: Statistics of Indigo

Start at: 2018-07-26 12:48:15
End at: 2018-07-26 12:48:45
Local clock offset: -0.104 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.23 Mbit/s
95th percentile per-packet one-way delay: 50.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.23 Mbit/s
95th percentile per-packet one-way delay: 50.875 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

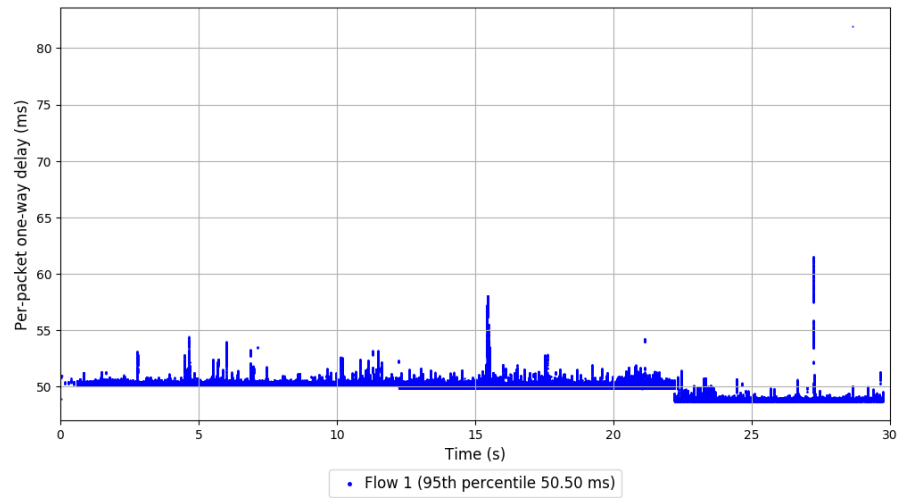
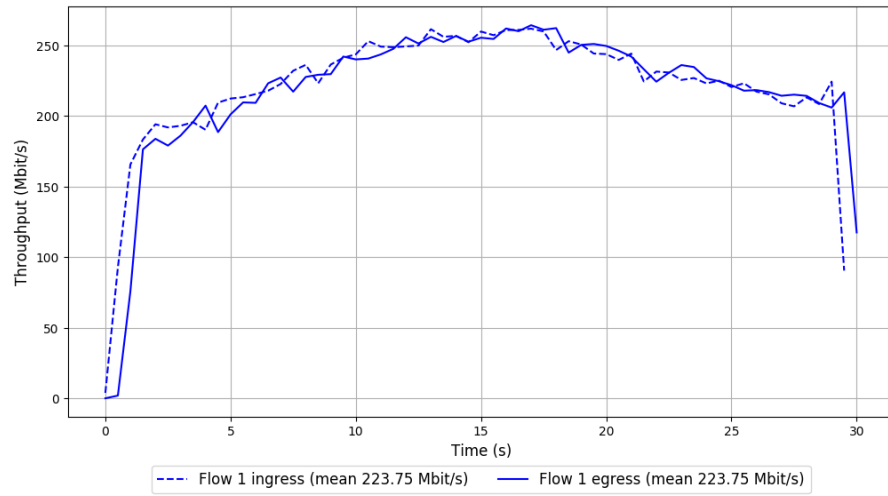


Run 3: Statistics of Indigo

Start at: 2018-07-26 13:10:29
End at: 2018-07-26 13:10:59
Local clock offset: -0.174 ms
Remote clock offset: -0.766 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.75 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.75 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

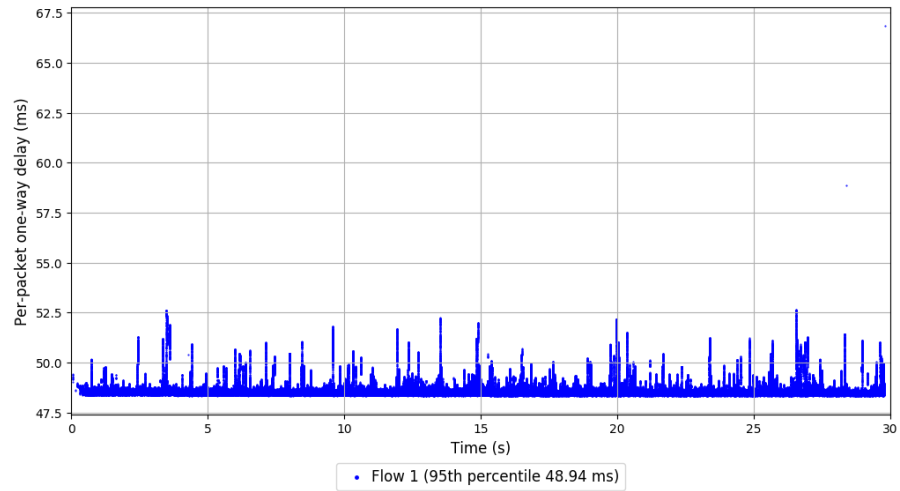
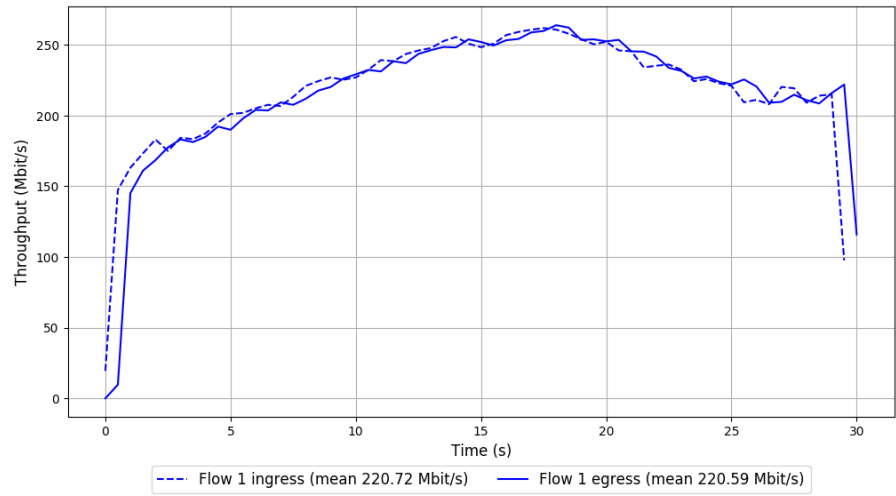


Run 4: Statistics of Indigo

Start at: 2018-07-26 13:32:25
End at: 2018-07-26 13:32:55
Local clock offset: 0.17 ms
Remote clock offset: -0.661 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.59 Mbit/s
95th percentile per-packet one-way delay: 48.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.59 Mbit/s
95th percentile per-packet one-way delay: 48.942 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-26 13:54:33

End at: 2018-07-26 13:55:03

Local clock offset: 0.035 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.71 Mbit/s

95th percentile per-packet one-way delay: 50.798 ms

Loss rate: 0.00%

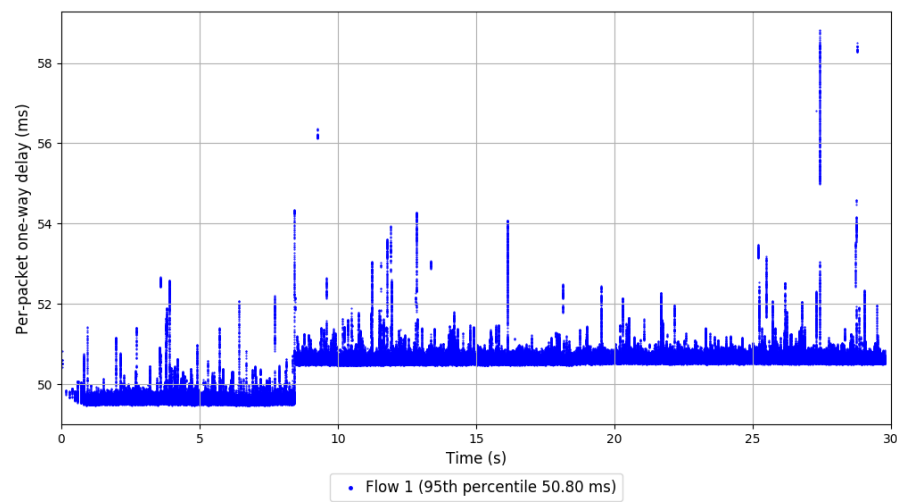
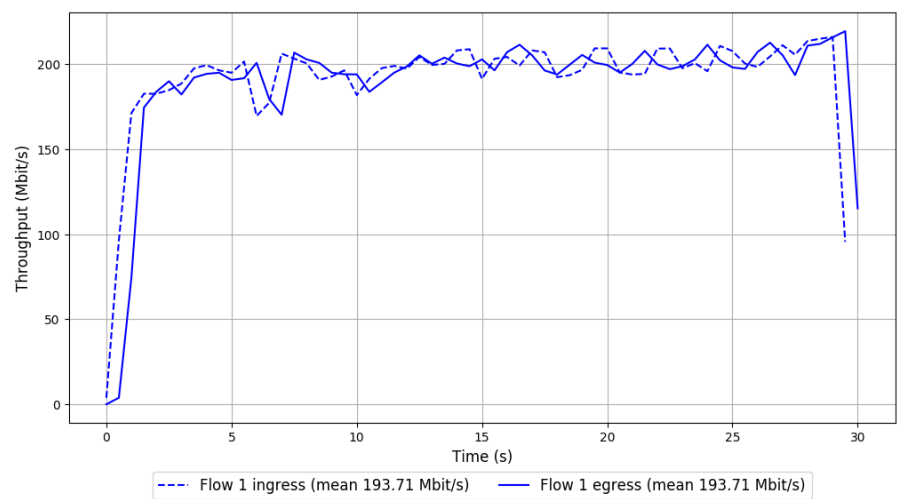
-- Flow 1:

Average throughput: 193.71 Mbit/s

95th percentile per-packet one-way delay: 50.798 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-26 14:16:50

End at: 2018-07-26 14:17:20

Local clock offset: 0.508 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.35 Mbit/s

95th percentile per-packet one-way delay: 50.129 ms

Loss rate: 0.00%

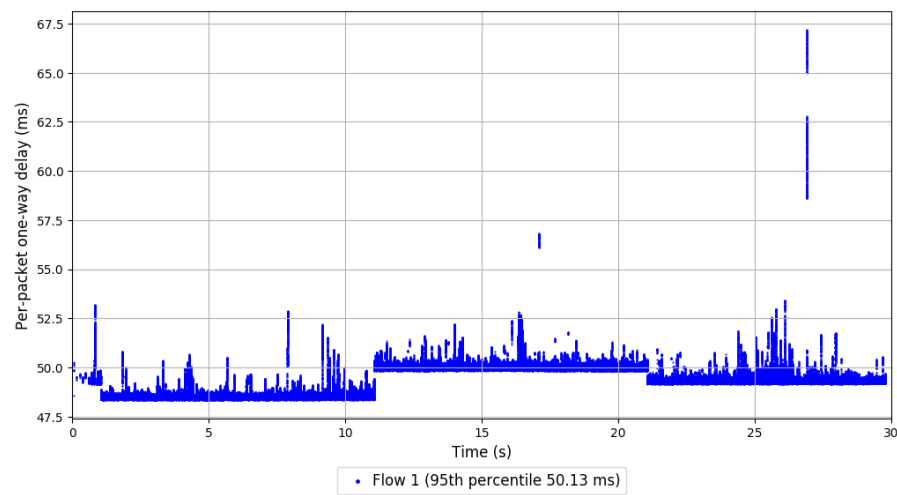
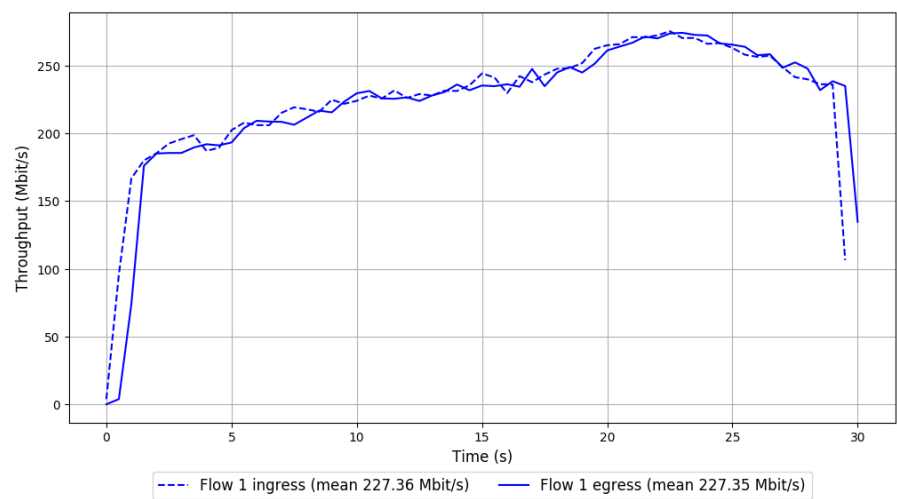
-- Flow 1:

Average throughput: 227.35 Mbit/s

95th percentile per-packet one-way delay: 50.129 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-26 14:38:53

End at: 2018-07-26 14:39:23

Local clock offset: 0.54 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.71 Mbit/s

95th percentile per-packet one-way delay: 50.565 ms

Loss rate: 0.00%

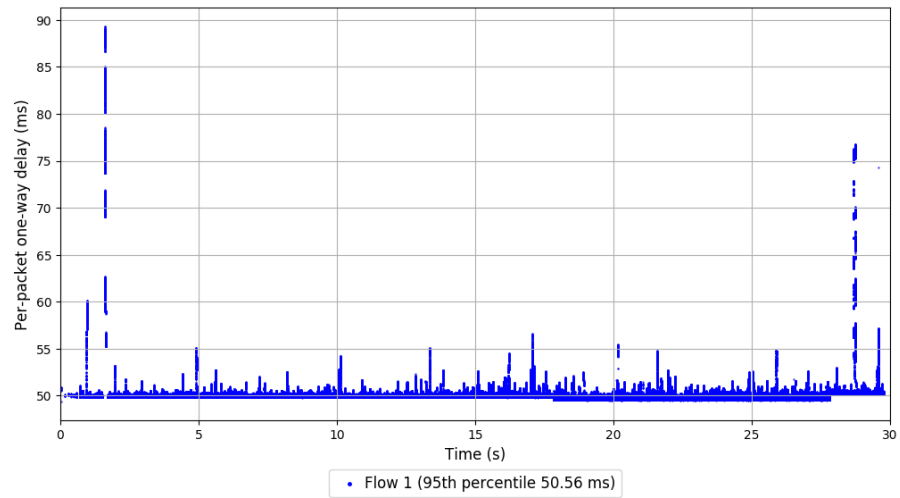
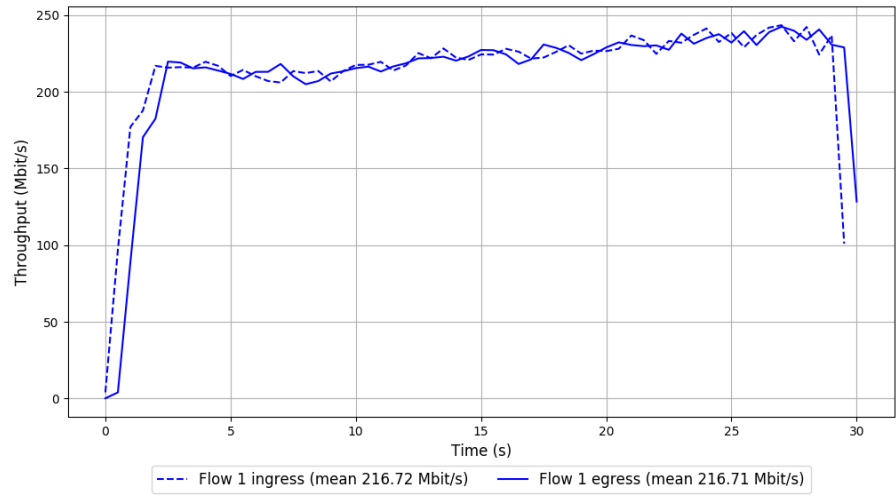
-- Flow 1:

Average throughput: 216.71 Mbit/s

95th percentile per-packet one-way delay: 50.565 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

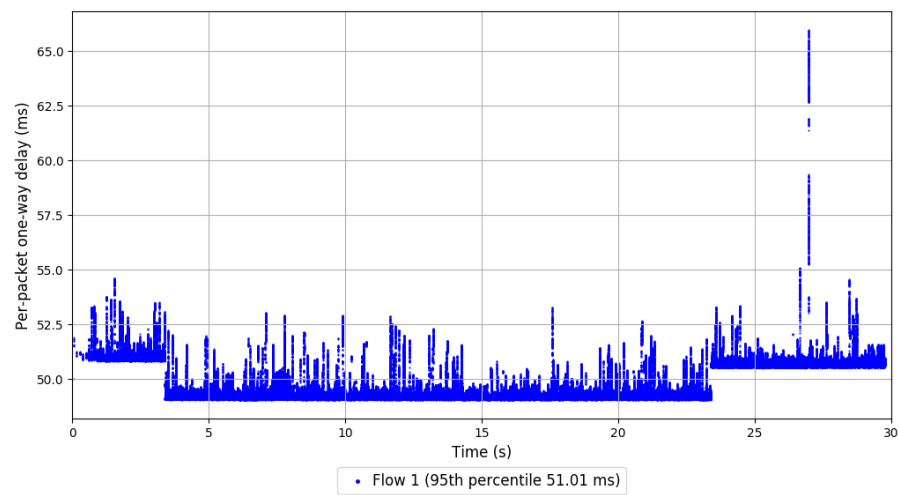
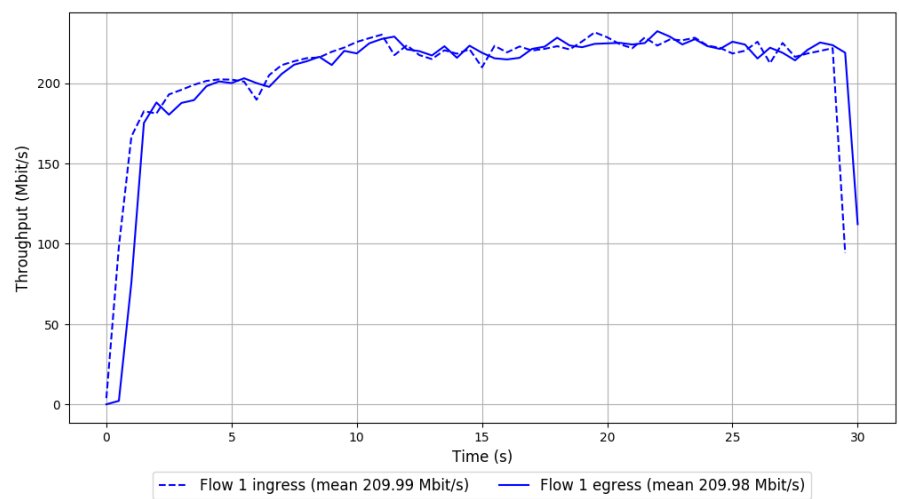


Run 8: Statistics of Indigo

Start at: 2018-07-26 15:01:08
End at: 2018-07-26 15:01:38
Local clock offset: -0.468 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.98 Mbit/s
95th percentile per-packet one-way delay: 51.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.98 Mbit/s
95th percentile per-packet one-way delay: 51.006 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

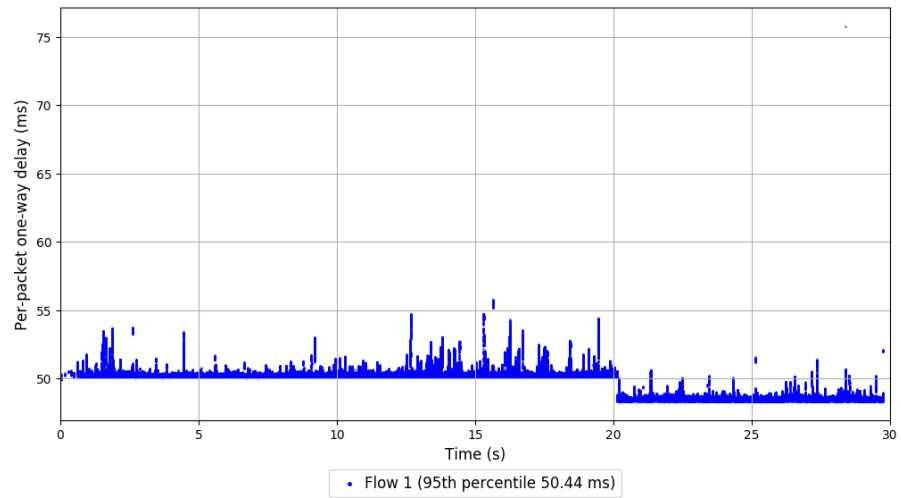
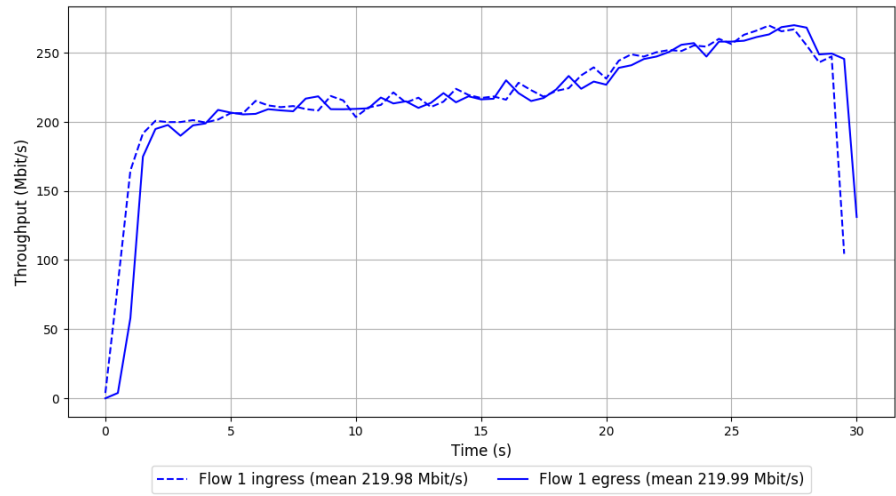


Run 9: Statistics of Indigo

Start at: 2018-07-26 15:23:11
End at: 2018-07-26 15:23:41
Local clock offset: 0.232 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.99 Mbit/s
95th percentile per-packet one-way delay: 50.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.99 Mbit/s
95th percentile per-packet one-way delay: 50.444 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

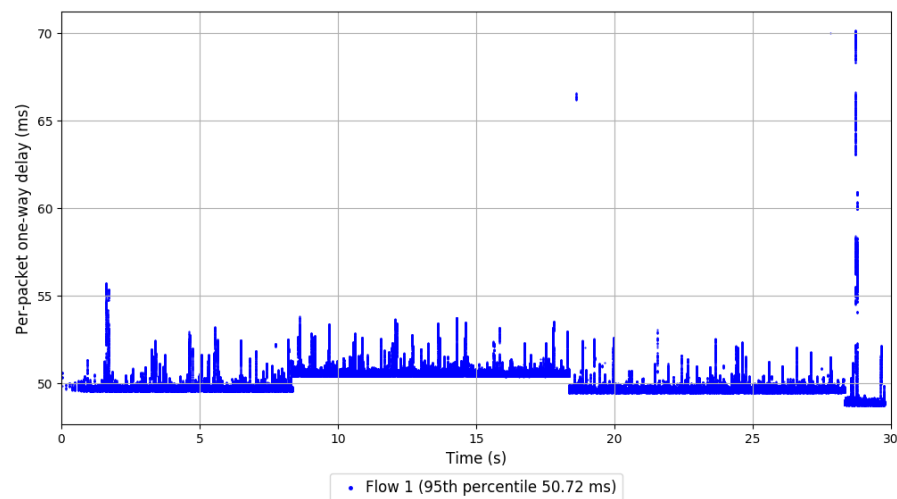
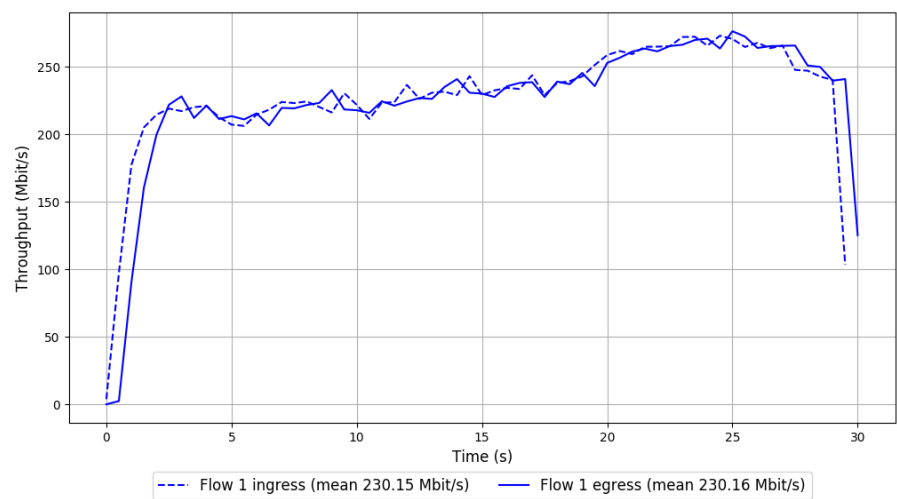


Run 10: Statistics of Indigo

Start at: 2018-07-26 15:45:13
End at: 2018-07-26 15:45:43
Local clock offset: -0.175 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.16 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.16 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

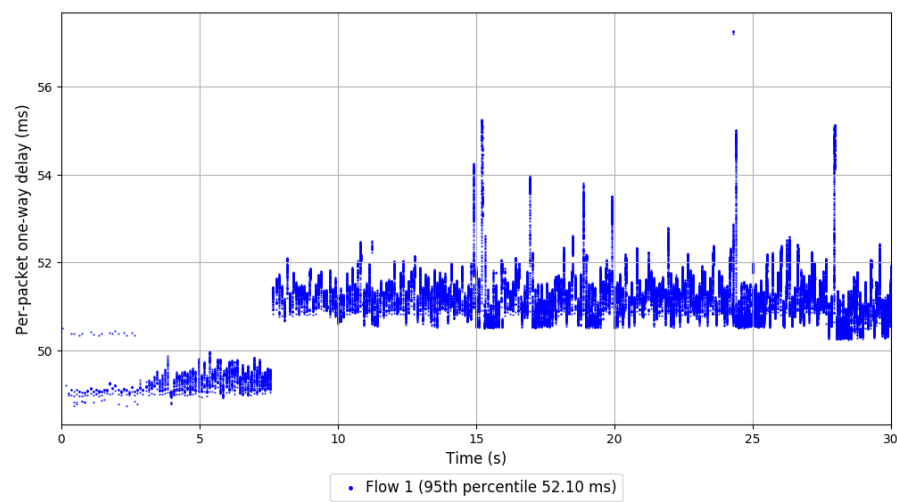
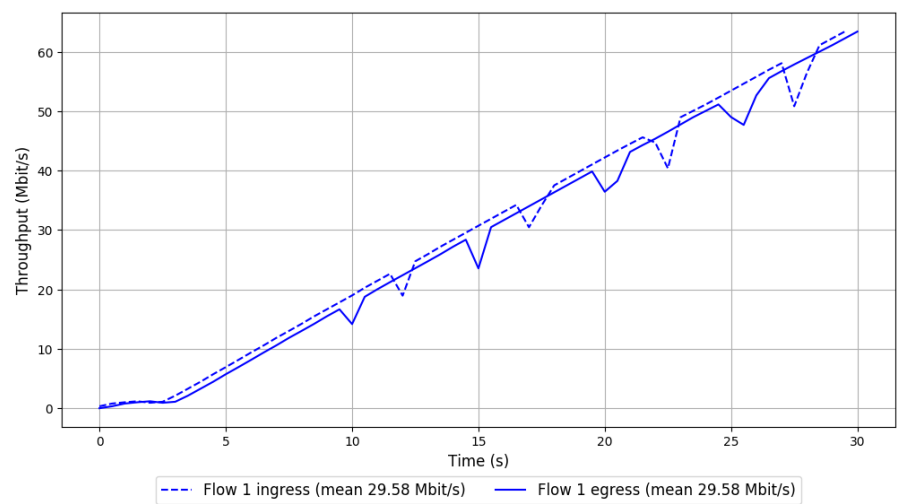


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-26 12:31:44
End at: 2018-07-26 12:32:14
Local clock offset: -0.092 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at 2018-07-26 17:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

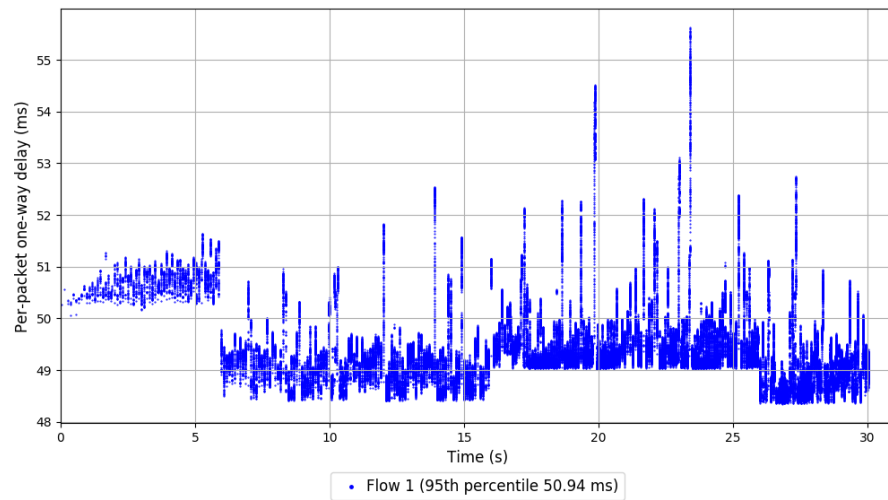
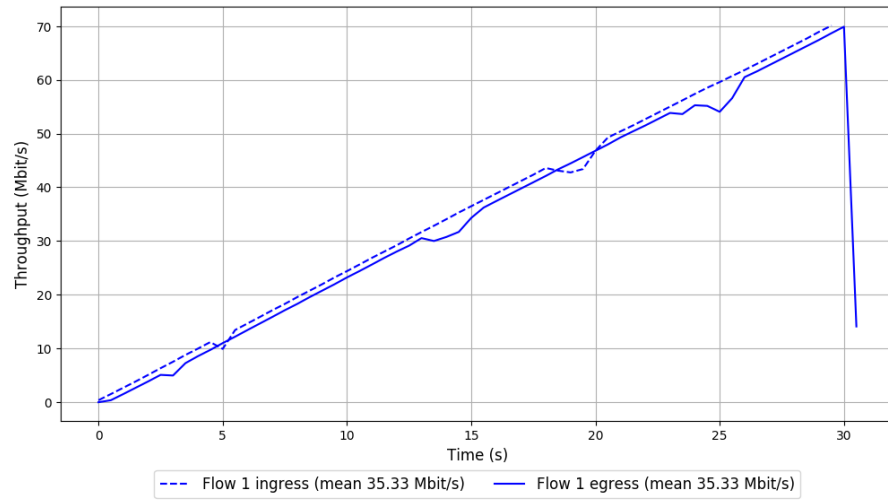


Run 2: Statistics of LEDBAT

Start at: 2018-07-26 12:53:35
End at: 2018-07-26 12:54:05
Local clock offset: 0.257 ms
Remote clock offset: -0.612 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 50.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 50.939 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

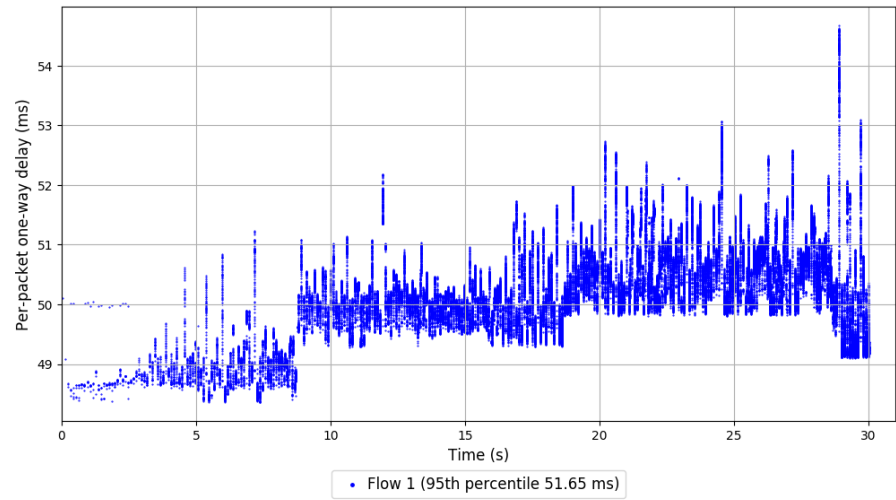
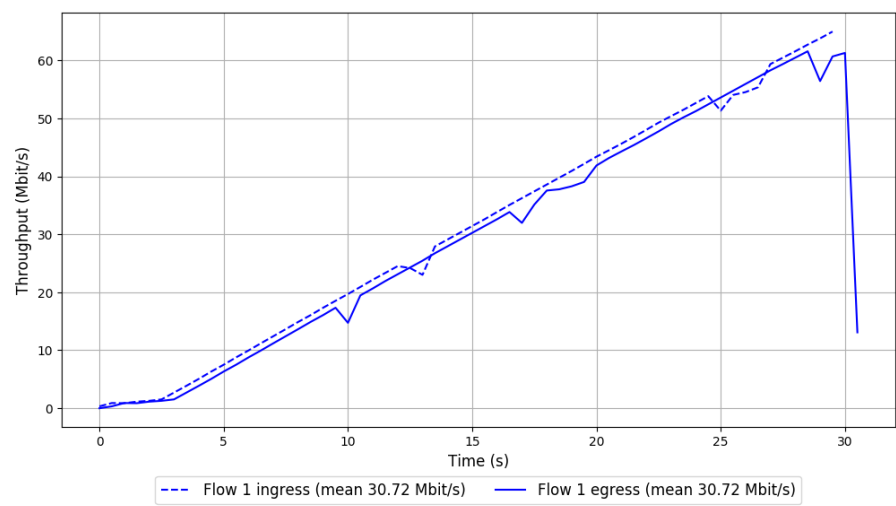


Run 3: Statistics of LEDBAT

Start at: 2018-07-26 13:15:53
End at: 2018-07-26 13:16:23
Local clock offset: 0.176 ms
Remote clock offset: -0.808 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 51.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 51.646 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

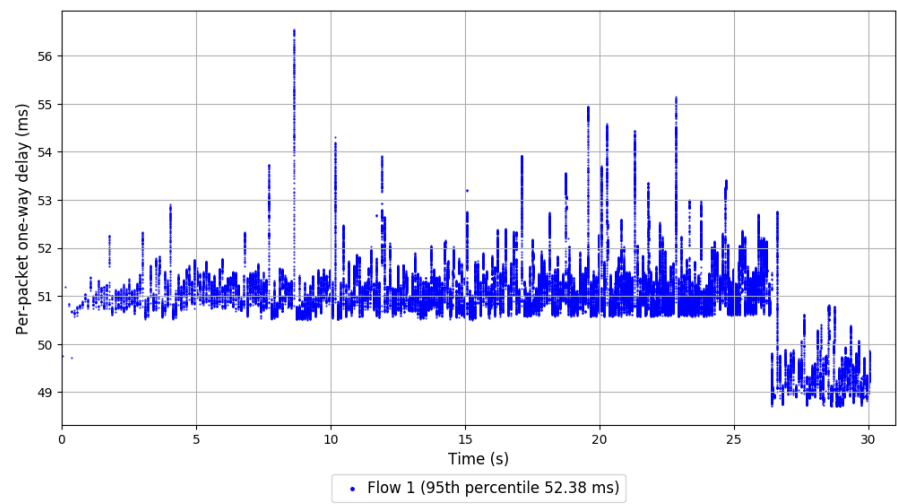
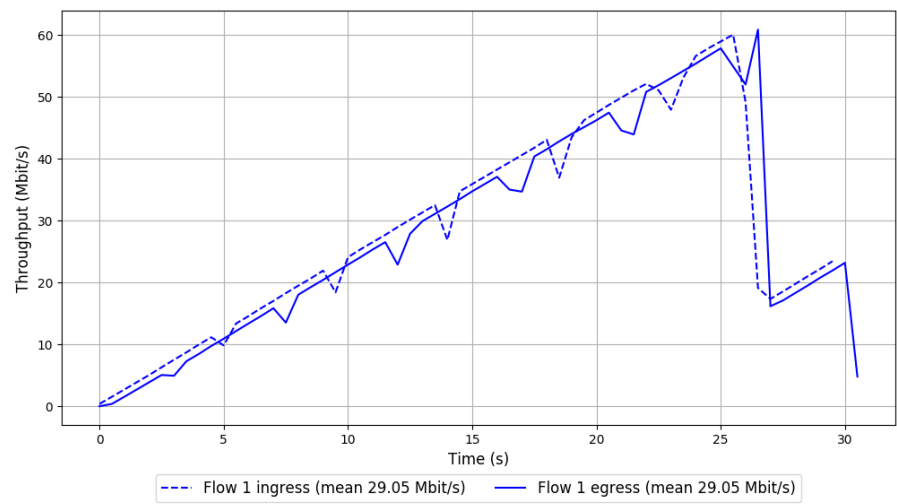


Run 4: Statistics of LEDBAT

Start at: 2018-07-26 13:37:55
End at: 2018-07-26 13:38:25
Local clock offset: -0.085 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 52.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 52.380 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-26 13:59:55

End at: 2018-07-26 14:00:25

Local clock offset: 0.063 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 51.947 ms

Loss rate: 0.00%

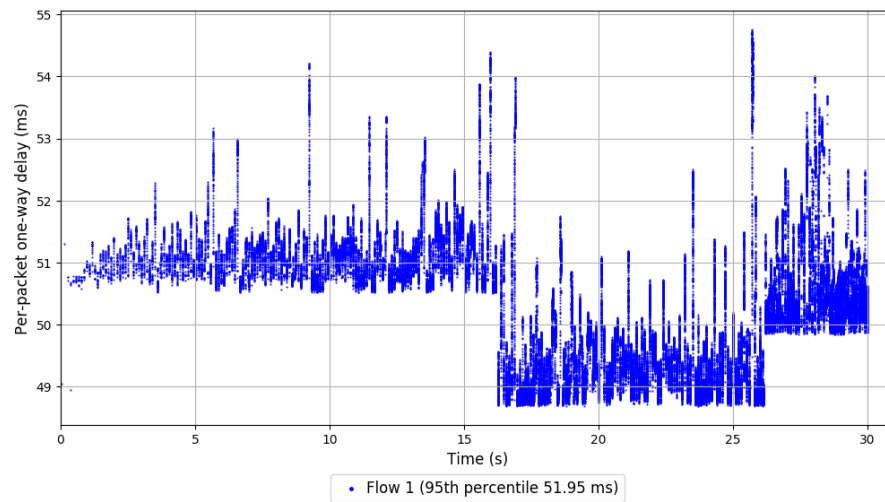
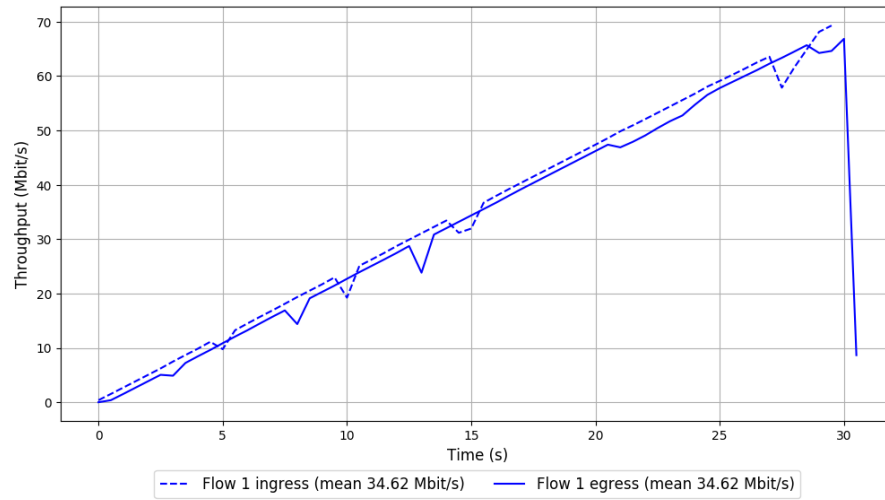
-- Flow 1:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 51.947 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-26 14:22:13

End at: 2018-07-26 14:22:43

Local clock offset: 0.171 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 51.895 ms

Loss rate: 0.00%

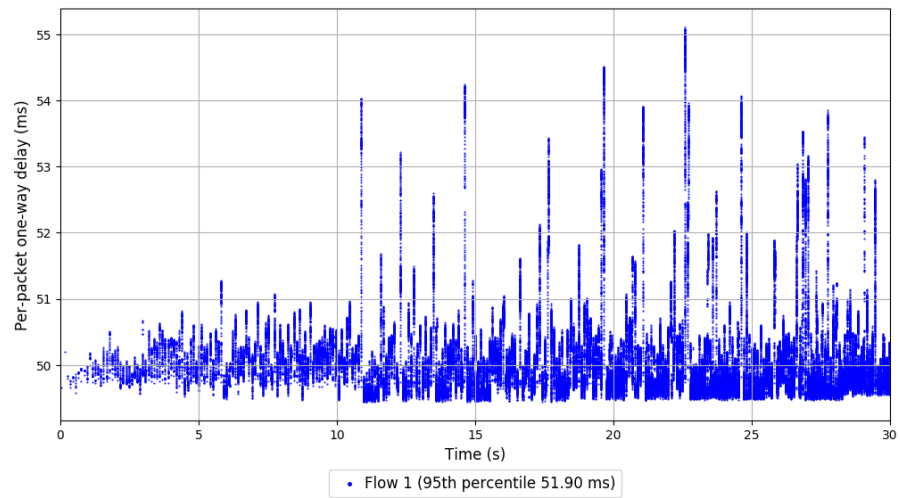
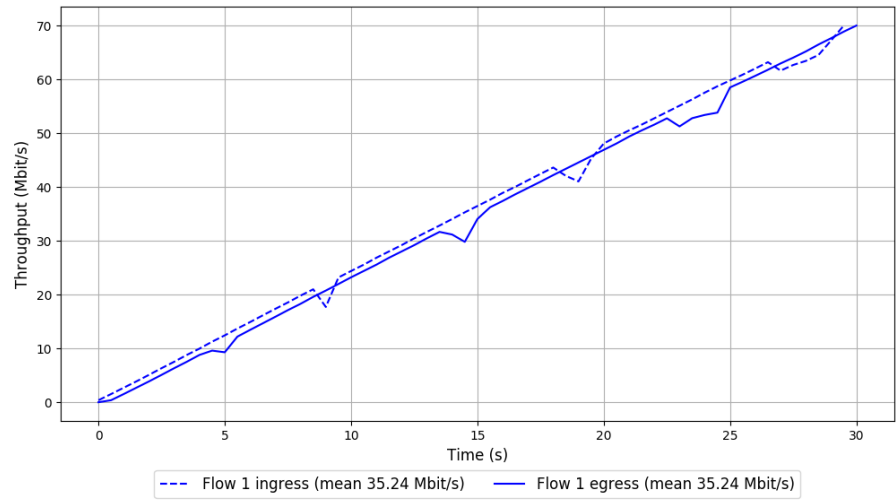
-- Flow 1:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 51.895 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-26 14:44:19

End at: 2018-07-26 14:44:49

Local clock offset: 0.407 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 51.616 ms

Loss rate: 0.00%

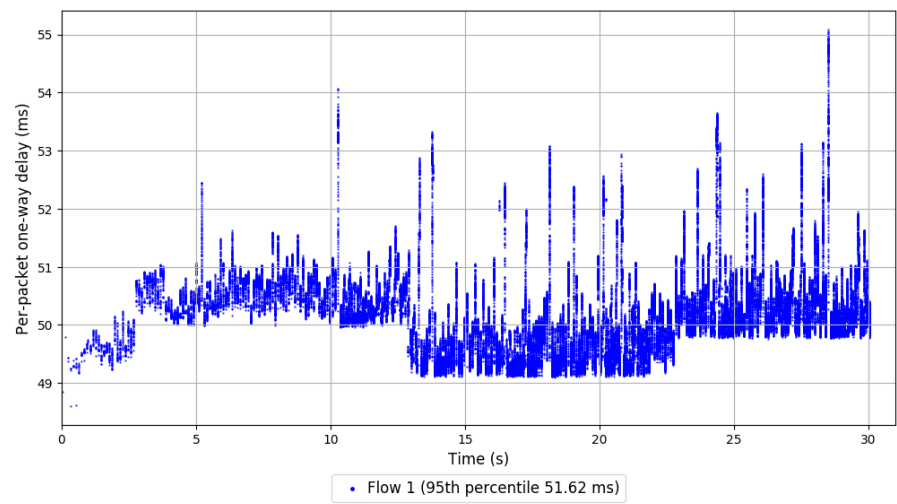
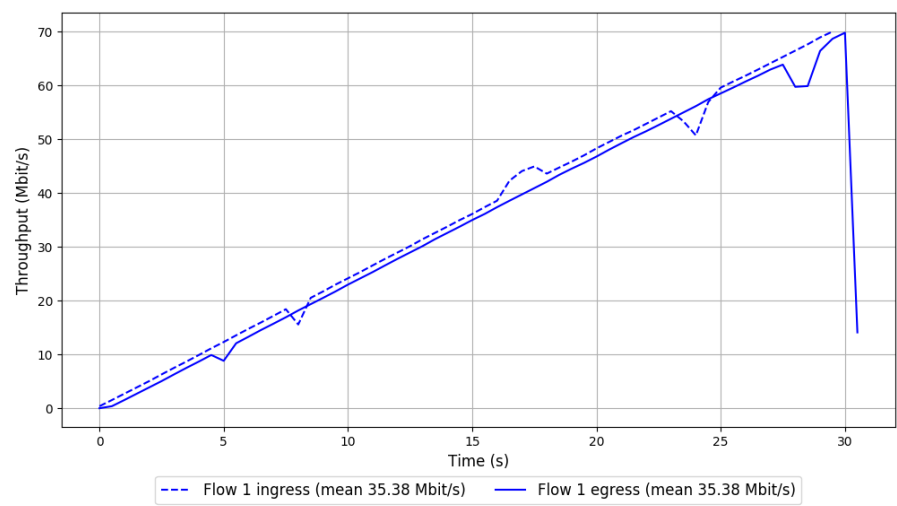
-- Flow 1:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 51.616 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-26 15:06:27

End at: 2018-07-26 15:06:57

Local clock offset: -0.144 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.00%

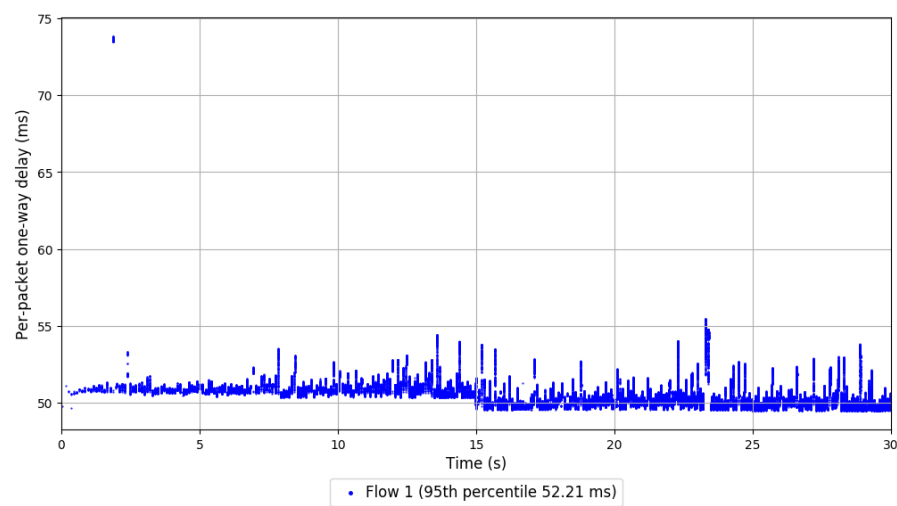
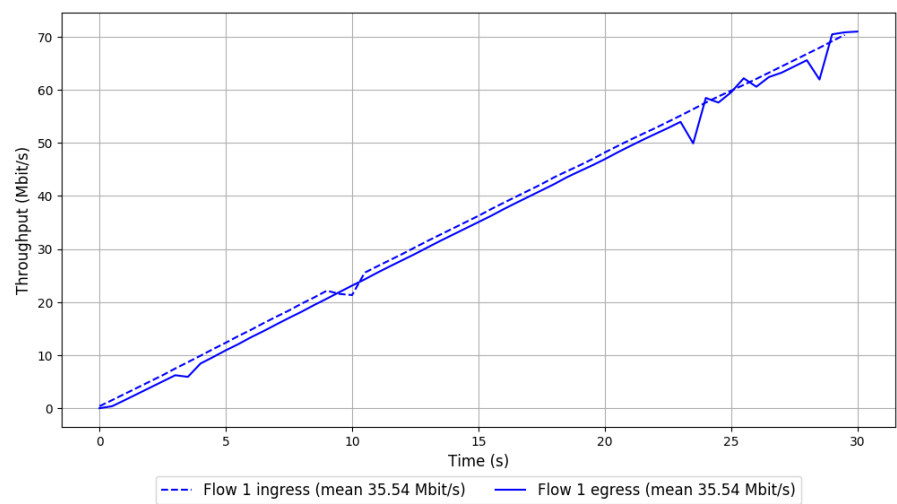
-- Flow 1:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

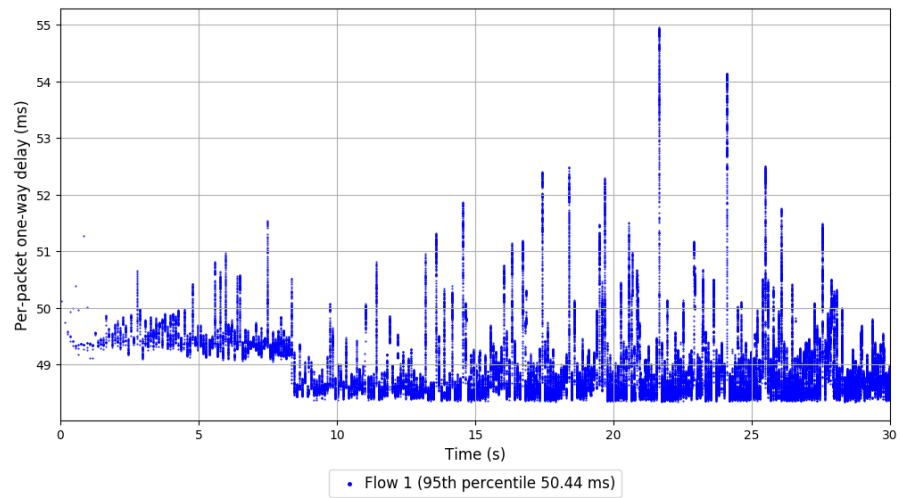
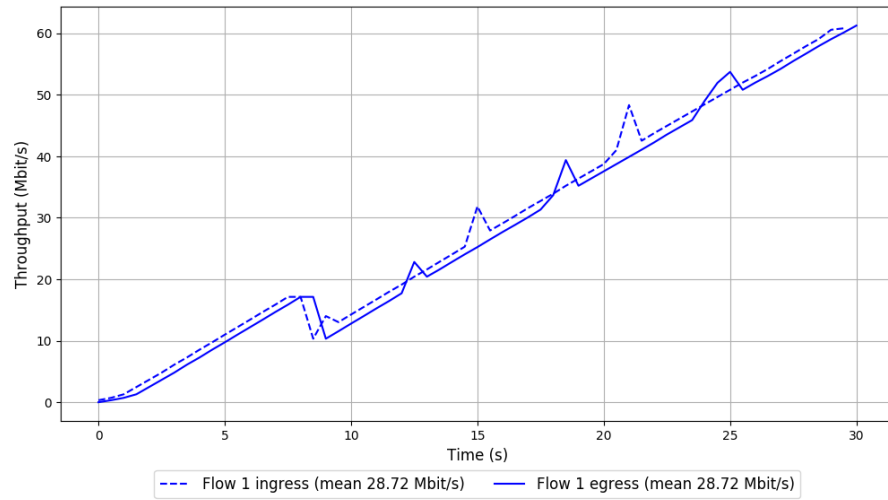


Run 9: Statistics of LEDBAT

Start at: 2018-07-26 15:28:33
End at: 2018-07-26 15:29:03
Local clock offset: 0.222 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-26 17:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 50.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 50.443 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-26 15:50:36

End at: 2018-07-26 15:51:06

Local clock offset: 0.19 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-26 17:06:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 51.594 ms

Loss rate: 0.00%

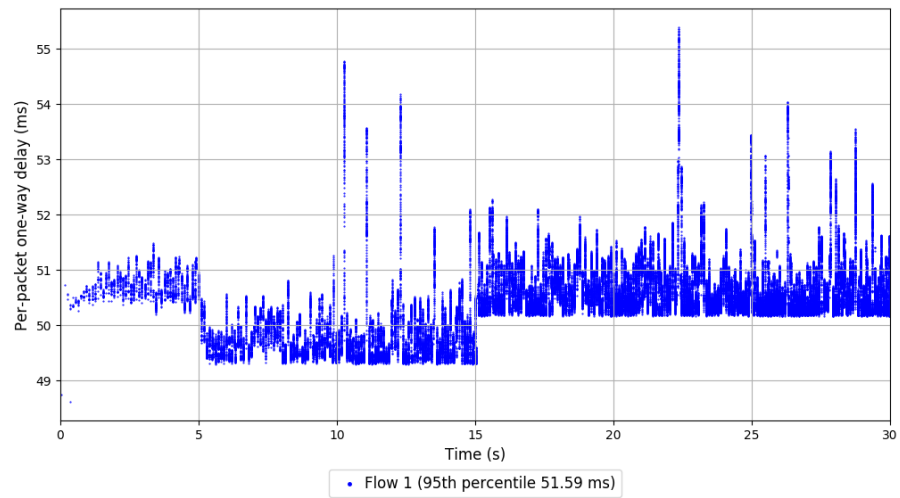
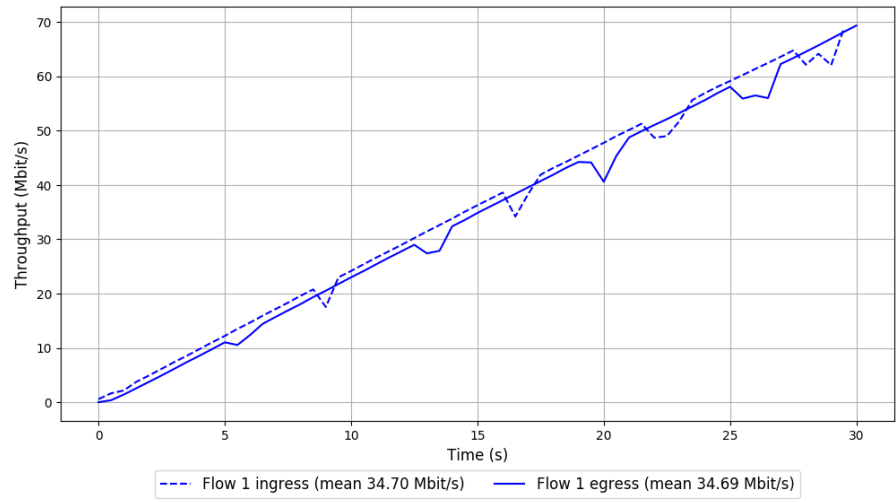
-- Flow 1:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 51.594 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-26 12:16:45

End at: 2018-07-26 12:17:16

Local clock offset: -0.083 ms

Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-07-26 17:13:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.14 Mbit/s

95th percentile per-packet one-way delay: 141.929 ms

Loss rate: 1.40%

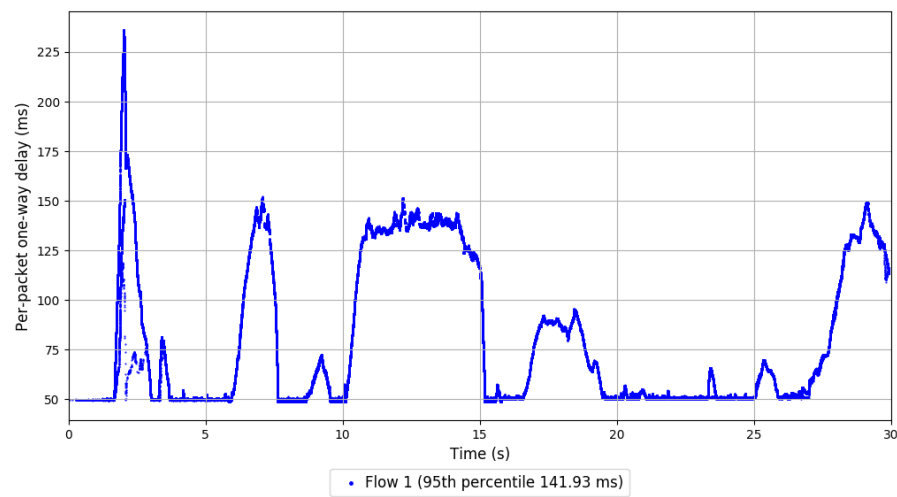
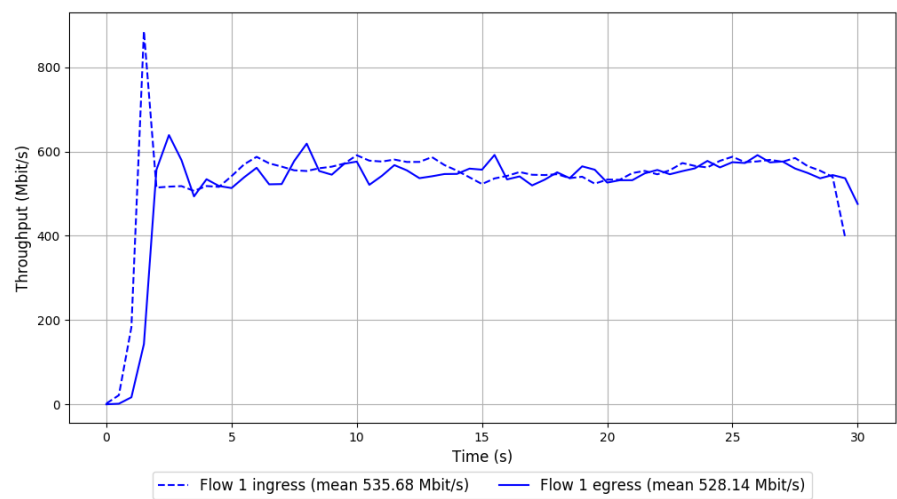
-- Flow 1:

Average throughput: 528.14 Mbit/s

95th percentile per-packet one-way delay: 141.929 ms

Loss rate: 1.40%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-26 12:38:42

End at: 2018-07-26 12:39:12

Local clock offset: -0.1 ms

Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-07-26 17:13:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.48 Mbit/s

95th percentile per-packet one-way delay: 115.924 ms

Loss rate: 0.61%

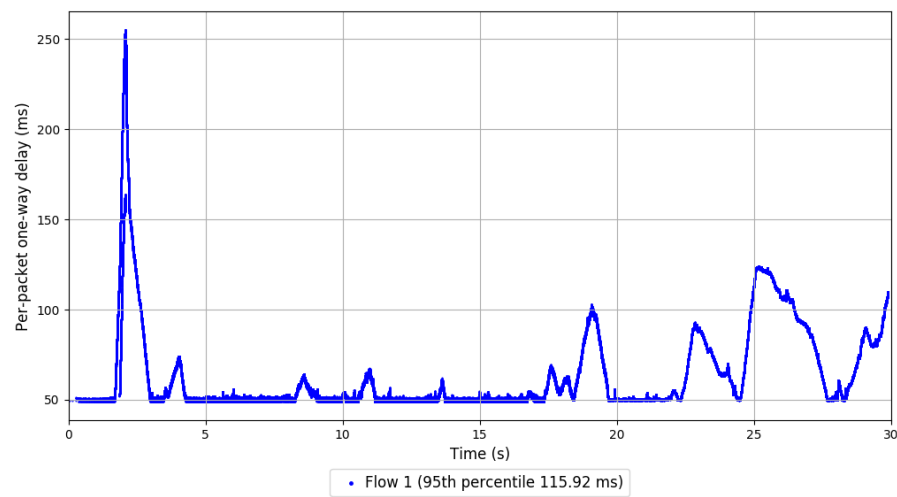
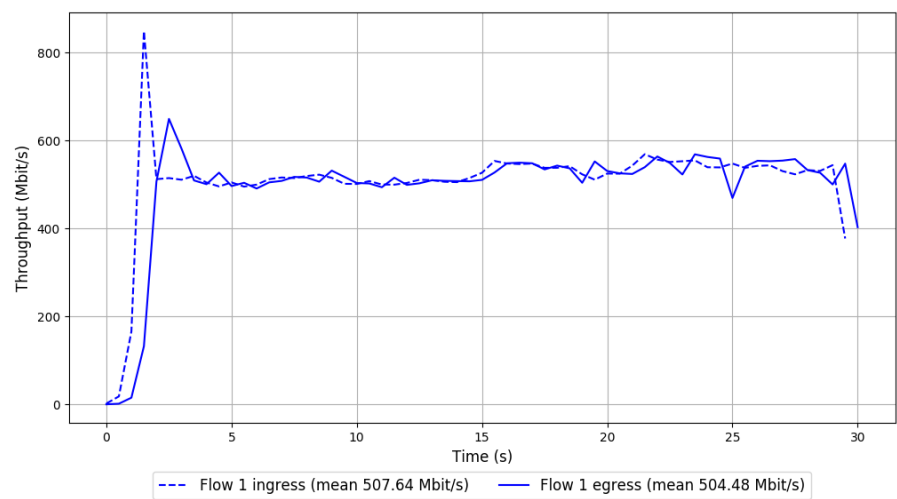
-- Flow 1:

Average throughput: 504.48 Mbit/s

95th percentile per-packet one-way delay: 115.924 ms

Loss rate: 0.61%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-26 13:00:50

End at: 2018-07-26 13:01:20

Local clock offset: 0.219 ms

Remote clock offset: -0.686 ms

Below is generated by plot.py at 2018-07-26 17:13:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.95 Mbit/s

95th percentile per-packet one-way delay: 169.887 ms

Loss rate: 0.42%

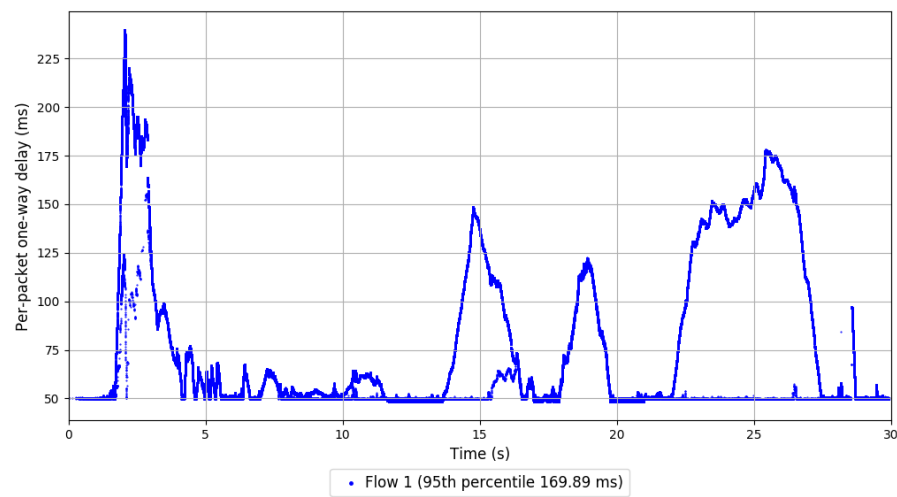
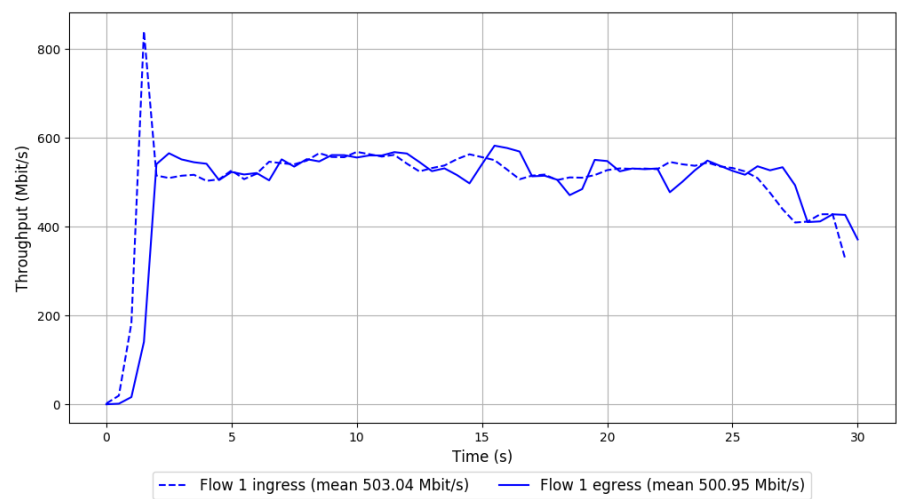
-- Flow 1:

Average throughput: 500.95 Mbit/s

95th percentile per-packet one-way delay: 169.887 ms

Loss rate: 0.42%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-26 13:23:02

End at: 2018-07-26 13:23:32

Local clock offset: -0.22 ms

Remote clock offset: -0.843 ms

Below is generated by plot.py at 2018-07-26 17:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.45 Mbit/s

95th percentile per-packet one-way delay: 156.165 ms

Loss rate: 0.29%

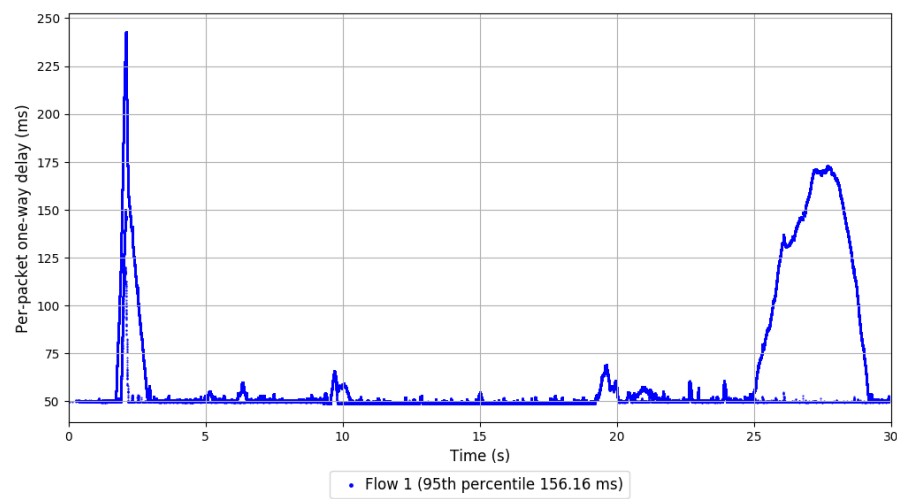
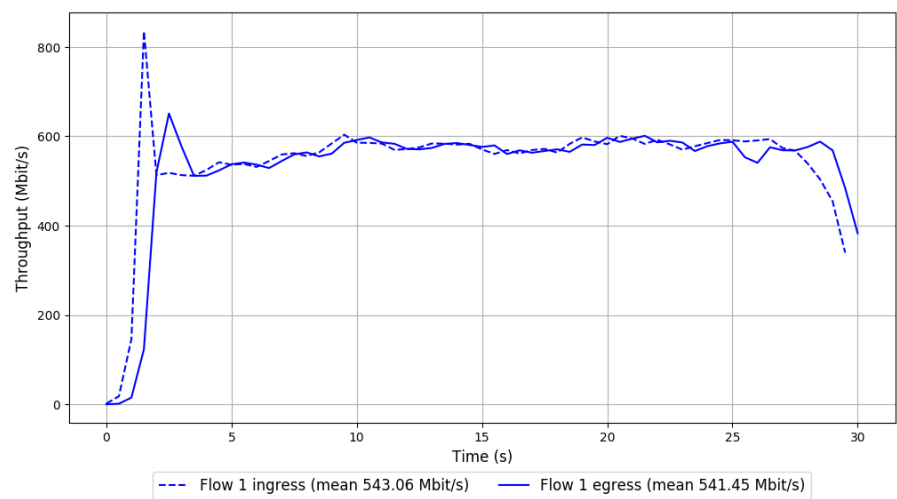
-- Flow 1:

Average throughput: 541.45 Mbit/s

95th percentile per-packet one-way delay: 156.165 ms

Loss rate: 0.29%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-26 13:44:58

End at: 2018-07-26 13:45:28

Local clock offset: 0.35 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-26 17:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.43 Mbit/s

95th percentile per-packet one-way delay: 188.959 ms

Loss rate: 2.41%

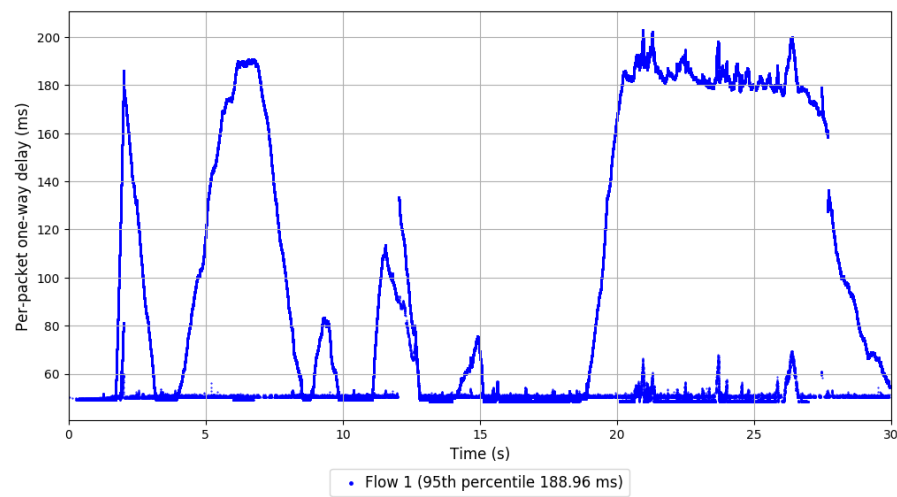
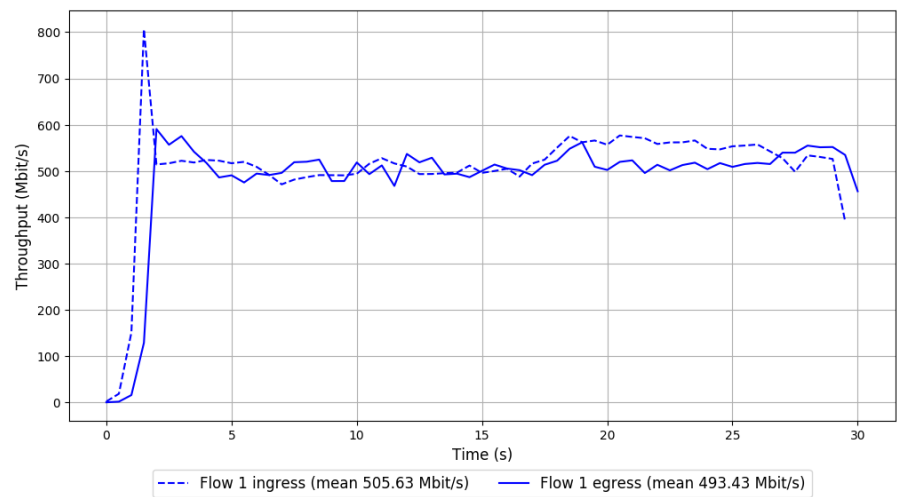
-- Flow 1:

Average throughput: 493.43 Mbit/s

95th percentile per-packet one-way delay: 188.959 ms

Loss rate: 2.41%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-26 14:07:09

End at: 2018-07-26 14:07:39

Local clock offset: 0.104 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-07-26 17:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.30 Mbit/s

95th percentile per-packet one-way delay: 205.133 ms

Loss rate: 4.80%

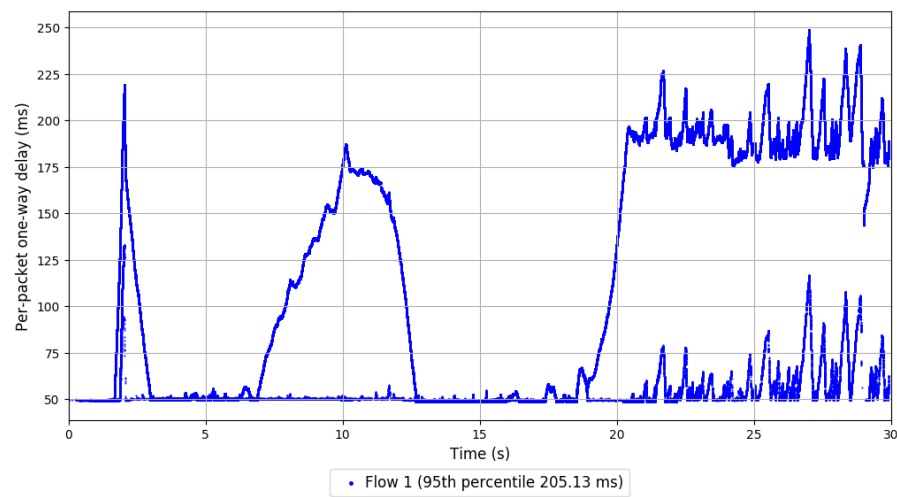
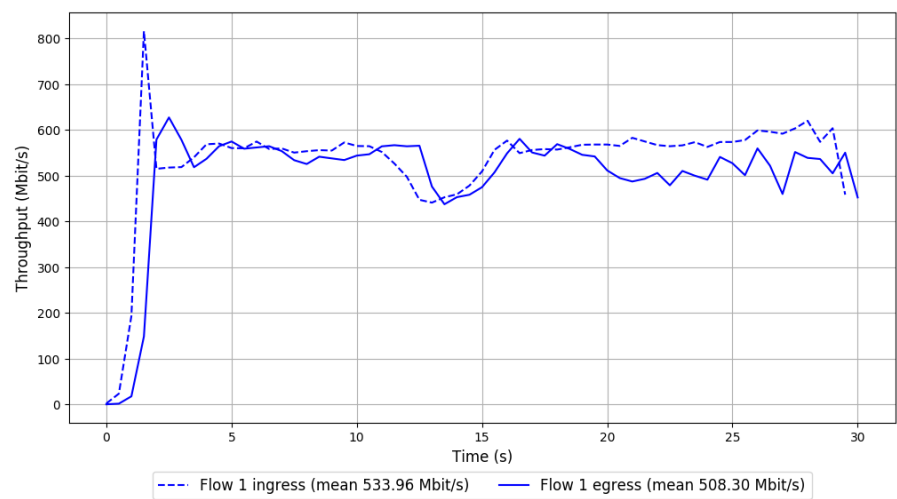
-- Flow 1:

Average throughput: 508.30 Mbit/s

95th percentile per-packet one-way delay: 205.133 ms

Loss rate: 4.80%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-26 14:29:23

End at: 2018-07-26 14:29:53

Local clock offset: -0.197 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-26 17:14:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.74 Mbit/s

95th percentile per-packet one-way delay: 176.699 ms

Loss rate: 0.68%

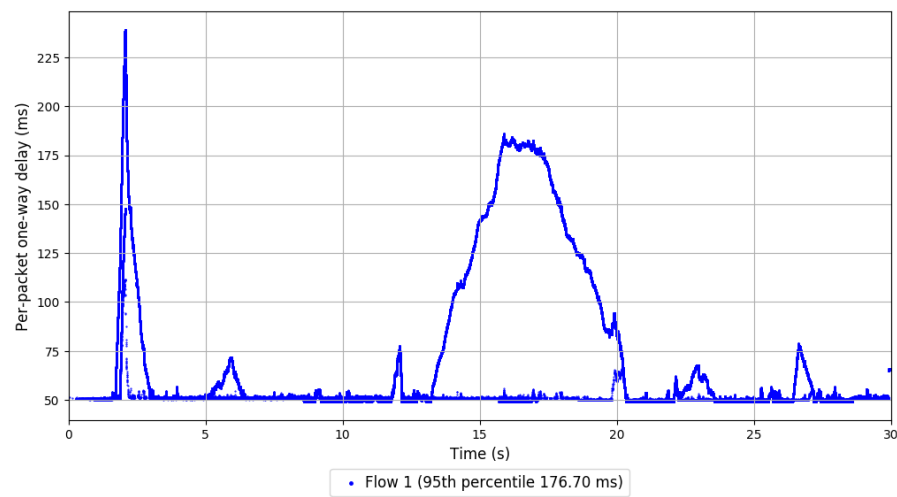
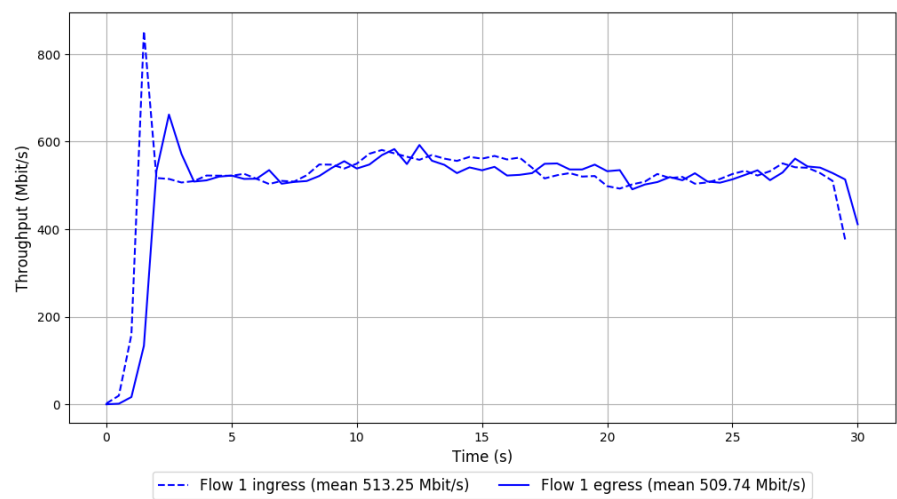
-- Flow 1:

Average throughput: 509.74 Mbit/s

95th percentile per-packet one-way delay: 176.699 ms

Loss rate: 0.68%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-26 14:51:30

End at: 2018-07-26 14:52:00

Local clock offset: -0.065 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-26 17:16:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.27 Mbit/s

95th percentile per-packet one-way delay: 155.912 ms

Loss rate: 0.23%

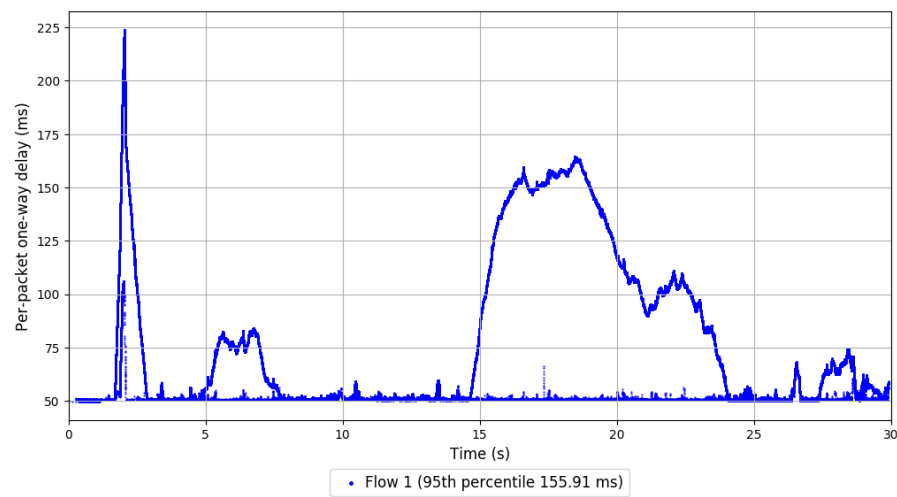
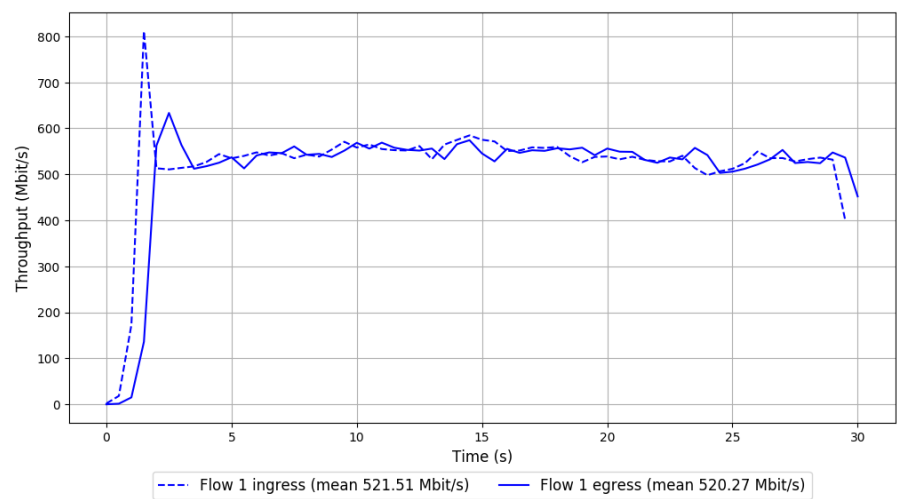
-- Flow 1:

Average throughput: 520.27 Mbit/s

95th percentile per-packet one-way delay: 155.912 ms

Loss rate: 0.23%

Run 8: Report of PCC-Allegro — Data Link

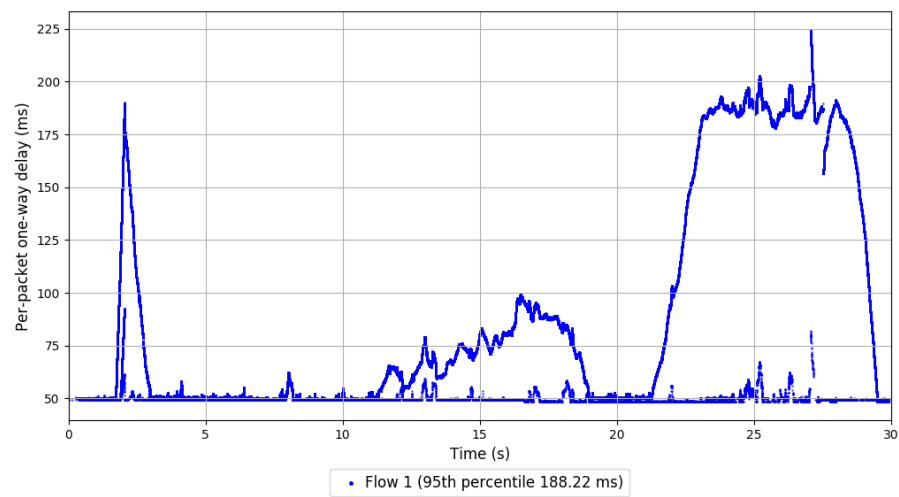
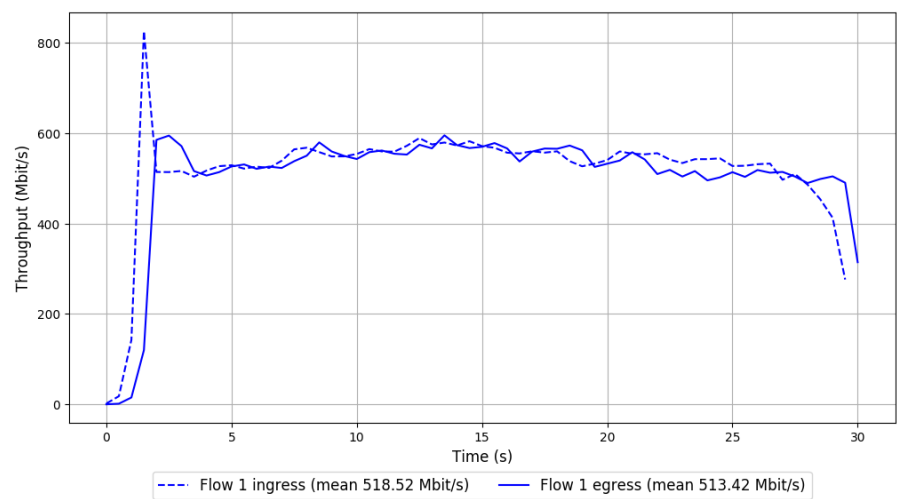


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-26 15:13:35
End at: 2018-07-26 15:14:05
Local clock offset: 0.194 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-26 17:21:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 513.42 Mbit/s
95th percentile per-packet one-way delay: 188.216 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 513.42 Mbit/s
95th percentile per-packet one-way delay: 188.216 ms
Loss rate: 0.98%

Run 9: Report of PCC-Allegro — Data Link

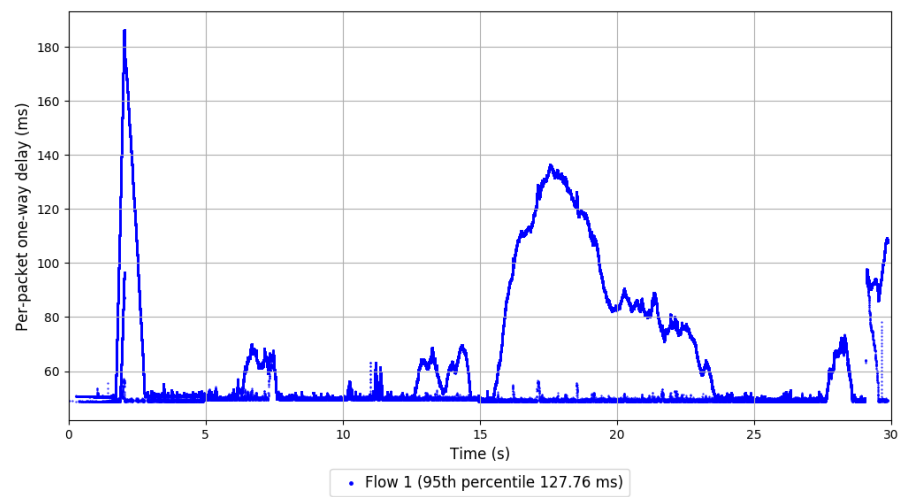
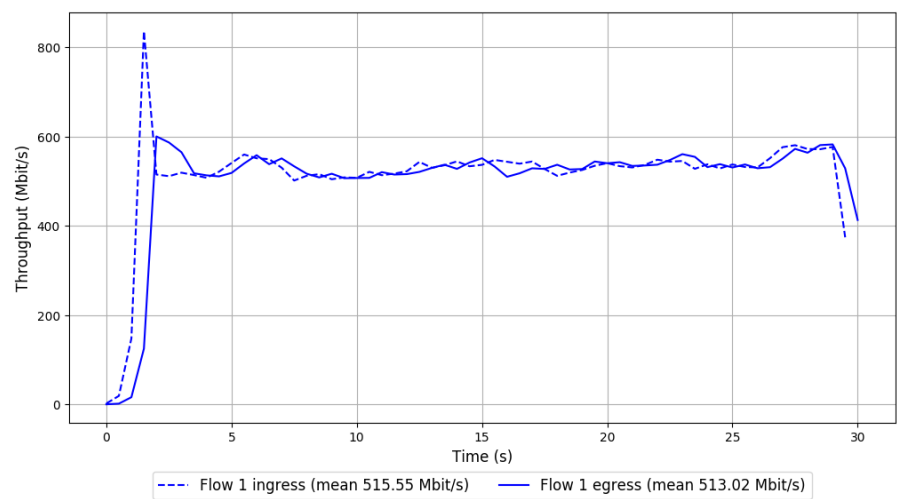


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-26 15:35:36
End at: 2018-07-26 15:36:06
Local clock offset: -0.165 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-26 17:21:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 513.02 Mbit/s
95th percentile per-packet one-way delay: 127.764 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 513.02 Mbit/s
95th percentile per-packet one-way delay: 127.764 ms
Loss rate: 0.49%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-26 12:23:48

End at: 2018-07-26 12:24:18

Local clock offset: -0.063 ms

Remote clock offset: -0.367 ms

Below is generated by plot.py at 2018-07-26 17:22:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.36 Mbit/s

95th percentile per-packet one-way delay: 163.447 ms

Loss rate: 0.45%

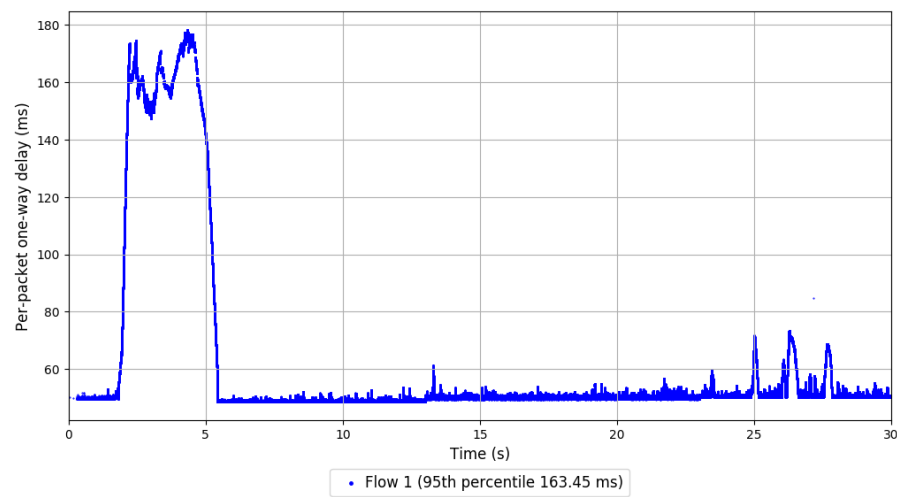
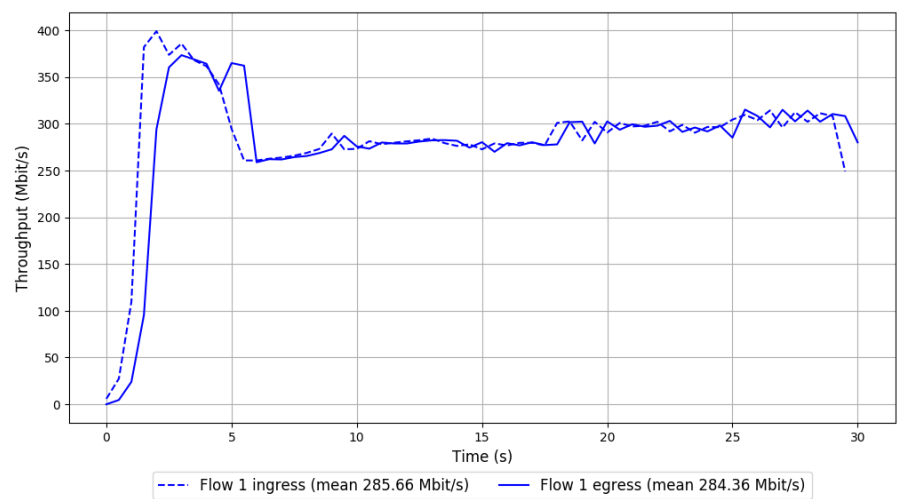
-- Flow 1:

Average throughput: 284.36 Mbit/s

95th percentile per-packet one-way delay: 163.447 ms

Loss rate: 0.45%

Run 1: Report of PCC-Expr — Data Link

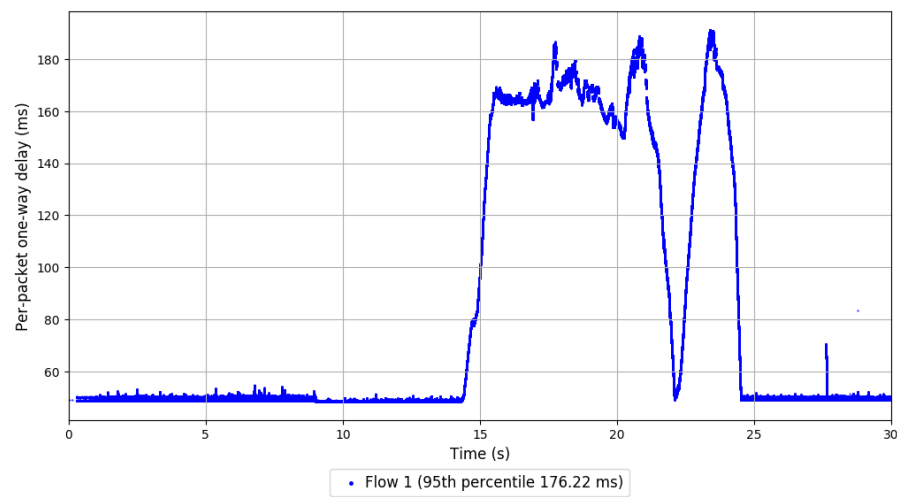
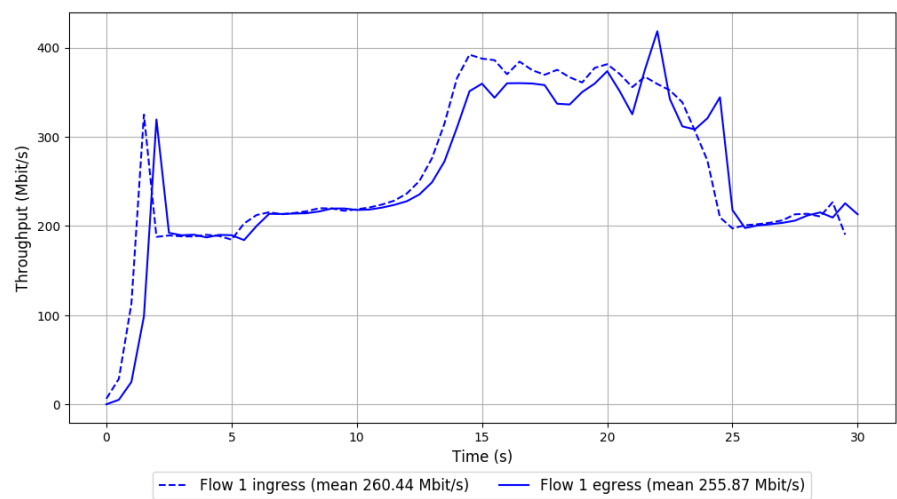


Run 2: Statistics of PCC-Expr

Start at: 2018-07-26 12:45:42
End at: 2018-07-26 12:46:12
Local clock offset: 0.238 ms
Remote clock offset: -0.563 ms

Below is generated by plot.py at 2018-07-26 17:22:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.87 Mbit/s
95th percentile per-packet one-way delay: 176.223 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 255.87 Mbit/s
95th percentile per-packet one-way delay: 176.223 ms
Loss rate: 1.76%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-26 13:07:52

End at: 2018-07-26 13:08:22

Local clock offset: 0.187 ms

Remote clock offset: -0.729 ms

Below is generated by plot.py at 2018-07-26 17:24:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.70 Mbit/s

95th percentile per-packet one-way delay: 88.505 ms

Loss rate: 0.77%

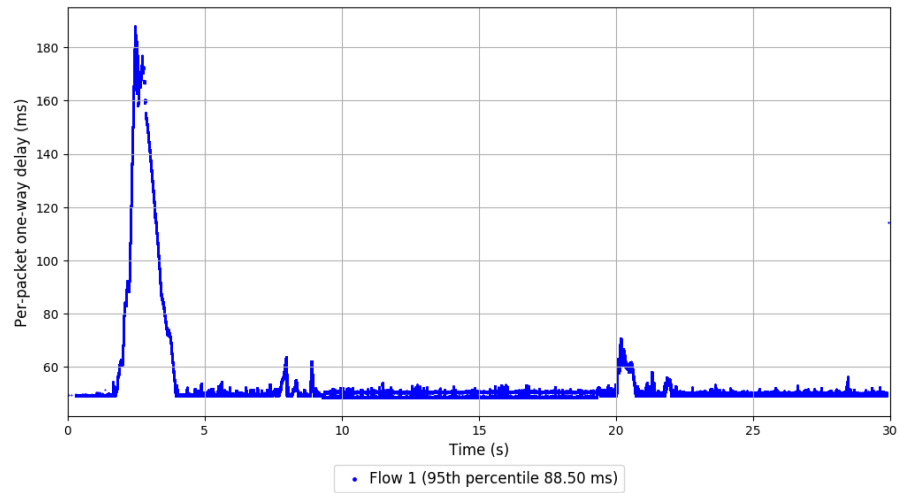
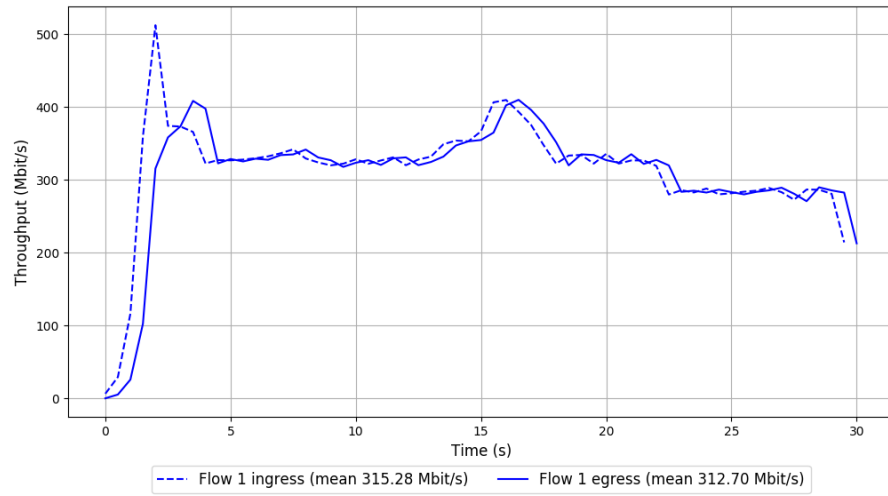
-- Flow 1:

Average throughput: 312.70 Mbit/s

95th percentile per-packet one-way delay: 88.505 ms

Loss rate: 0.77%

Run 3: Report of PCC-Expr — Data Link

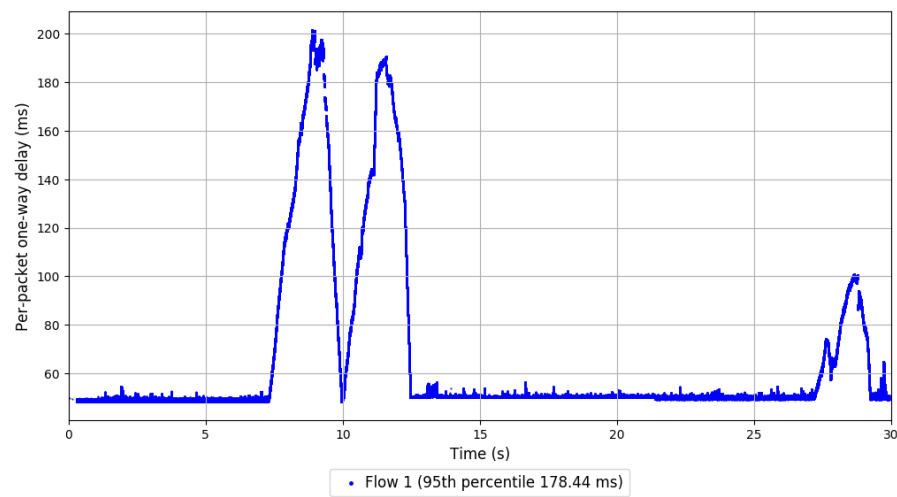
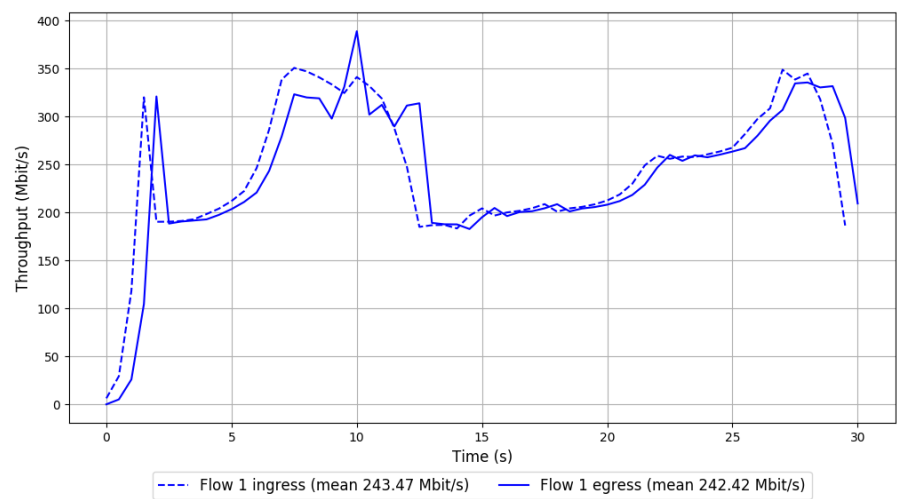


Run 4: Statistics of PCC-Expr

Start at: 2018-07-26 13:29:50
End at: 2018-07-26 13:30:20
Local clock offset: 0.161 ms
Remote clock offset: -0.885 ms

Below is generated by plot.py at 2018-07-26 17:24:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.42 Mbit/s
95th percentile per-packet one-way delay: 178.439 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 242.42 Mbit/s
95th percentile per-packet one-way delay: 178.439 ms
Loss rate: 0.43%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-26 13:51:59

End at: 2018-07-26 13:52:29

Local clock offset: 0.074 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-26 17:24:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.43 Mbit/s

95th percentile per-packet one-way delay: 51.034 ms

Loss rate: 0.01%

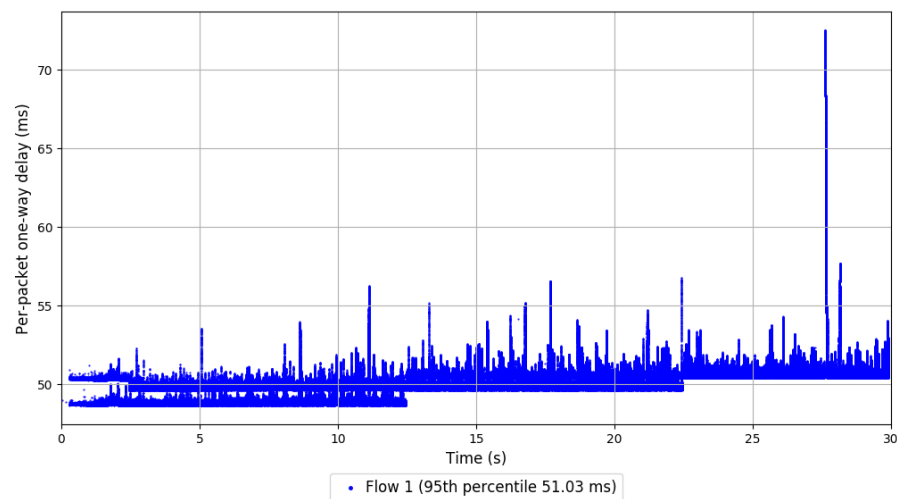
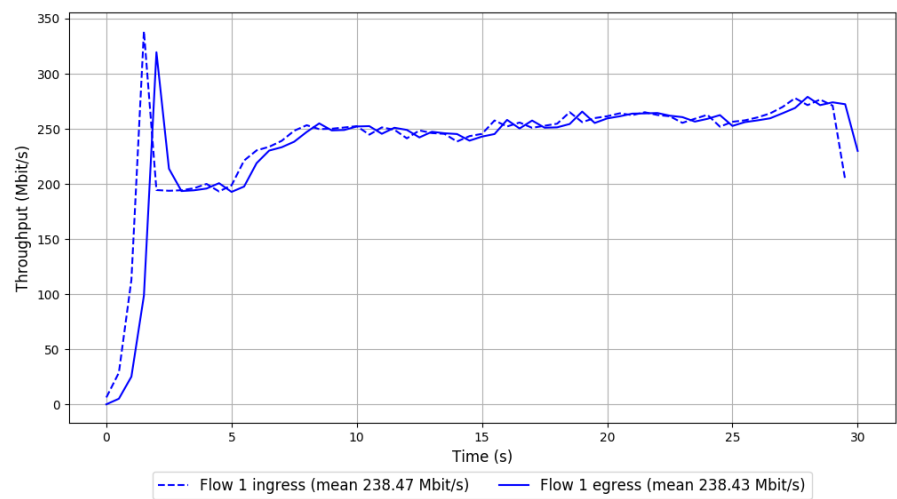
-- Flow 1:

Average throughput: 238.43 Mbit/s

95th percentile per-packet one-way delay: 51.034 ms

Loss rate: 0.01%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-26 14:14:14

End at: 2018-07-26 14:14:44

Local clock offset: 0.122 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-26 17:25:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.77 Mbit/s

95th percentile per-packet one-way delay: 181.045 ms

Loss rate: 1.41%

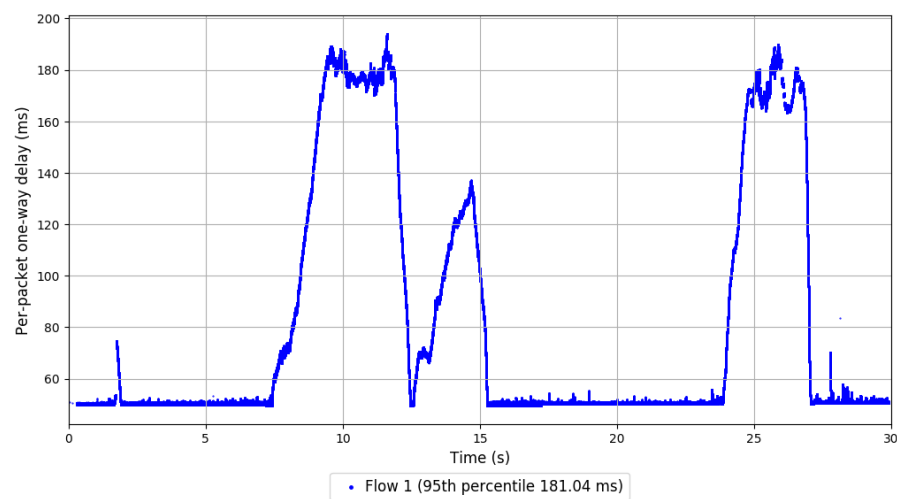
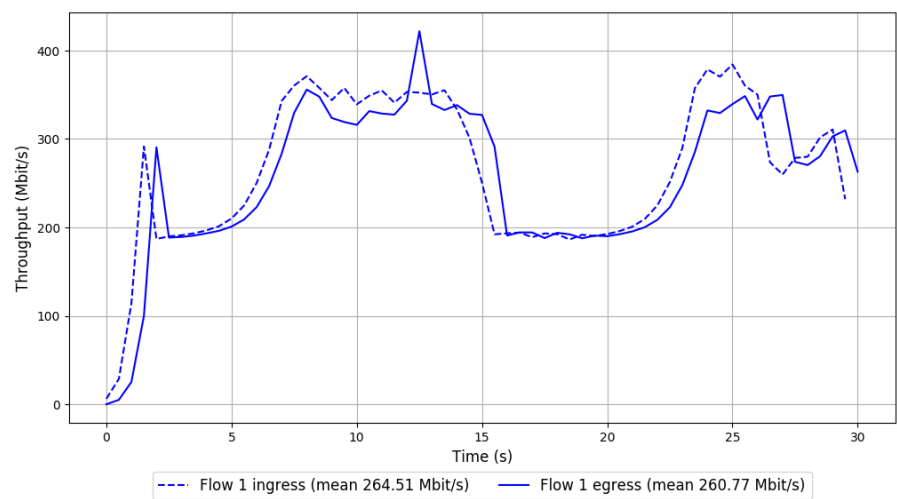
-- Flow 1:

Average throughput: 260.77 Mbit/s

95th percentile per-packet one-way delay: 181.045 ms

Loss rate: 1.41%

Run 6: Report of PCC-Expr — Data Link

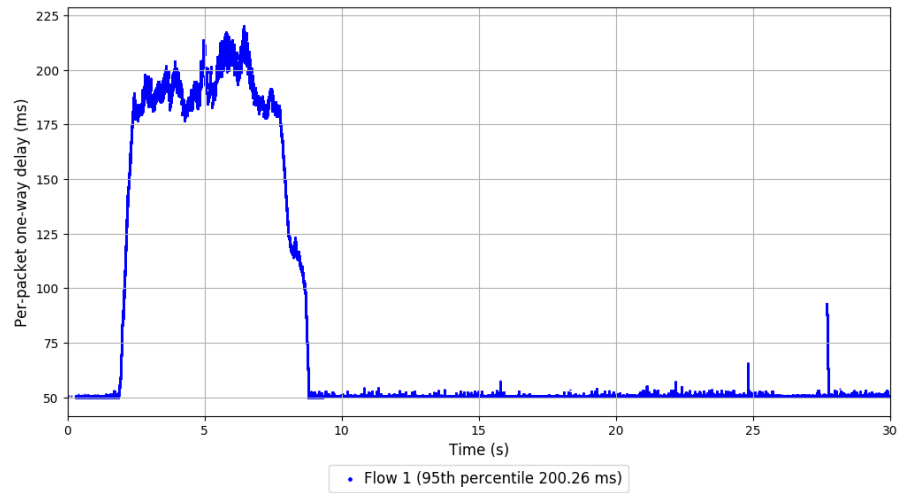
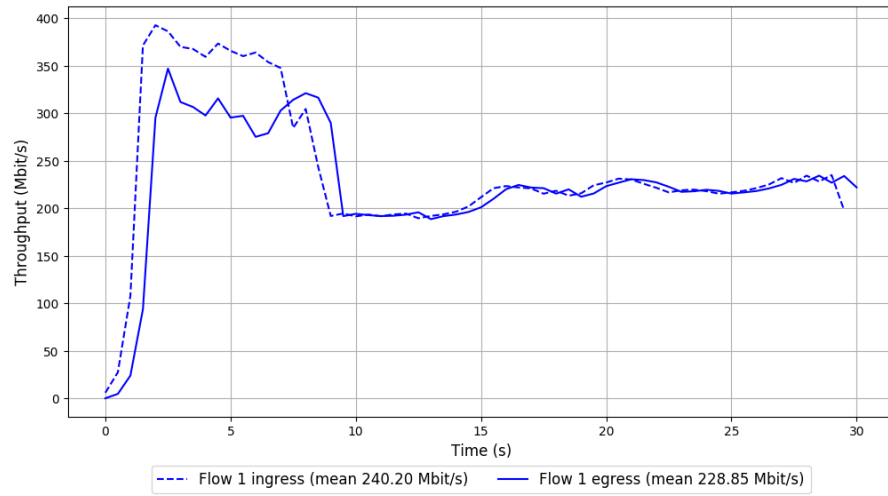


```
Run 7: Statistics of PCC-Expr

Start at: 2018-07-26 14:36:22
End at: 2018-07-26 14:36:52
Local clock offset: 0.212 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-07-26 17:29:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.85 Mbit/s
95th percentile per-packet one-way delay: 200.264 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 228.85 Mbit/s
95th percentile per-packet one-way delay: 200.264 ms
Loss rate: 4.73%
```

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-26 14:58:31

End at: 2018-07-26 14:59:01

Local clock offset: -0.117 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-26 17:31:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.25 Mbit/s

95th percentile per-packet one-way delay: 178.786 ms

Loss rate: 0.89%

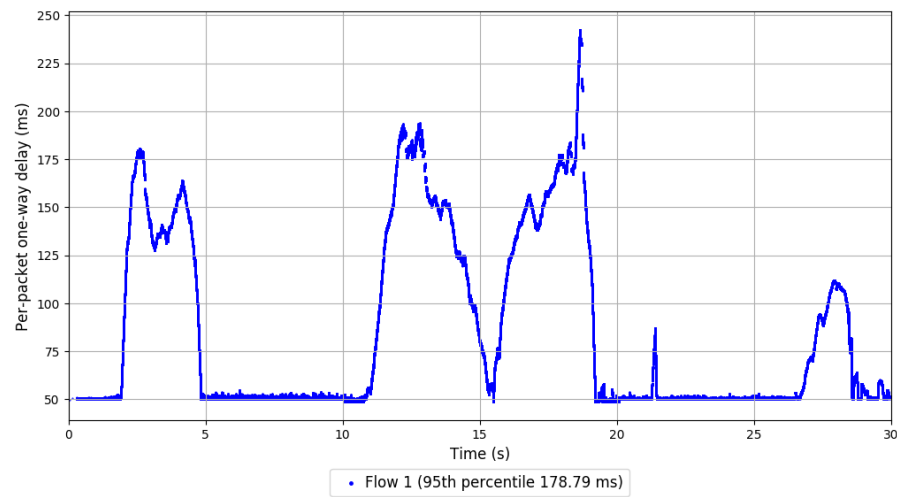
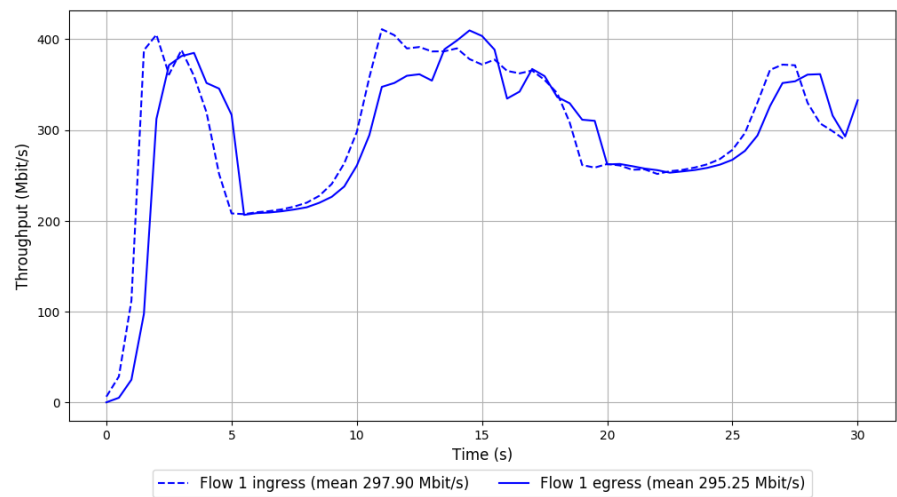
-- Flow 1:

Average throughput: 295.25 Mbit/s

95th percentile per-packet one-way delay: 178.786 ms

Loss rate: 0.89%

Run 8: Report of PCC-Expr — Data Link

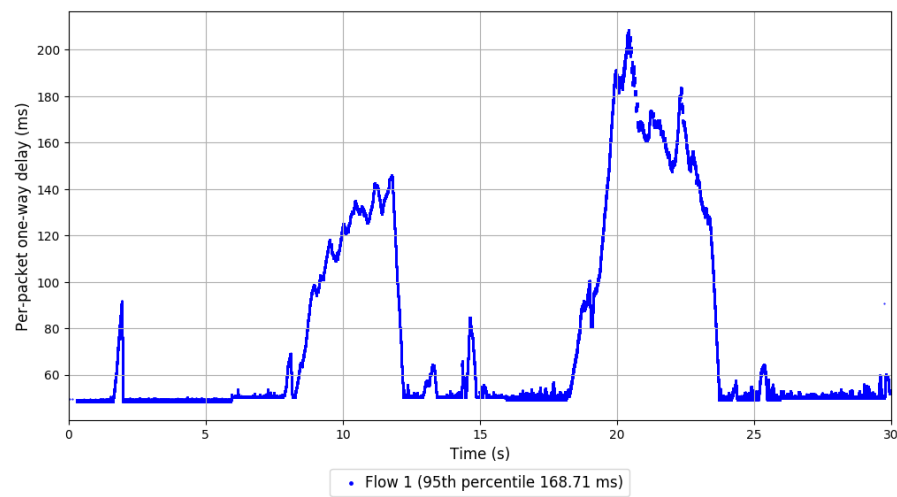
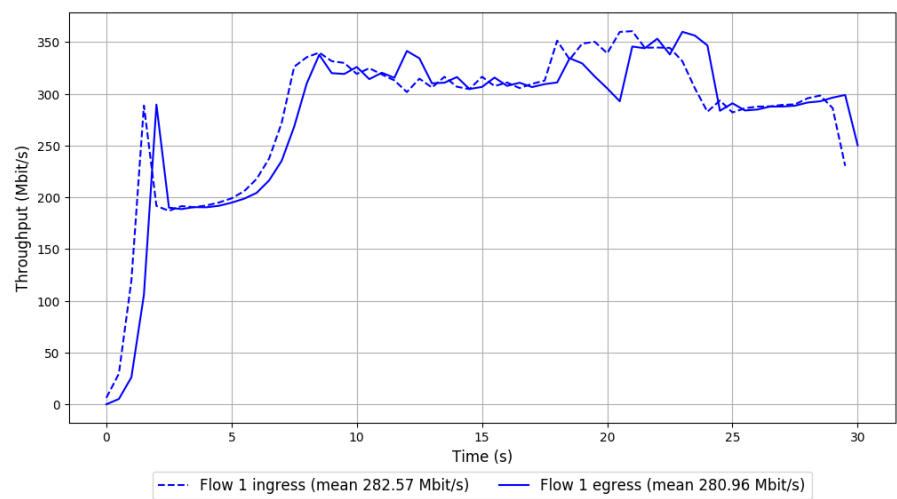


Run 9: Statistics of PCC-Expr

Start at: 2018-07-26 15:20:35
End at: 2018-07-26 15:21:05
Local clock offset: 0.233 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-26 17:31:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.96 Mbit/s
95th percentile per-packet one-way delay: 168.705 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 280.96 Mbit/s
95th percentile per-packet one-way delay: 168.705 ms
Loss rate: 0.57%

Run 9: Report of PCC-Expr — Data Link

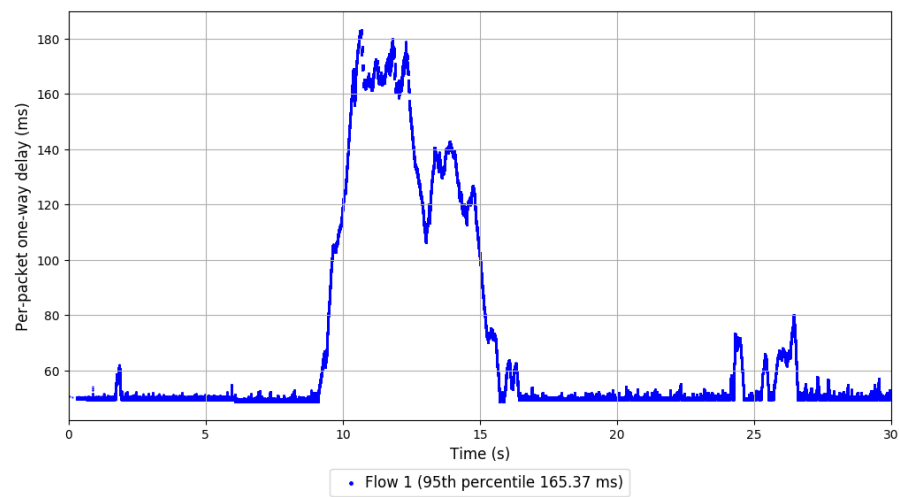
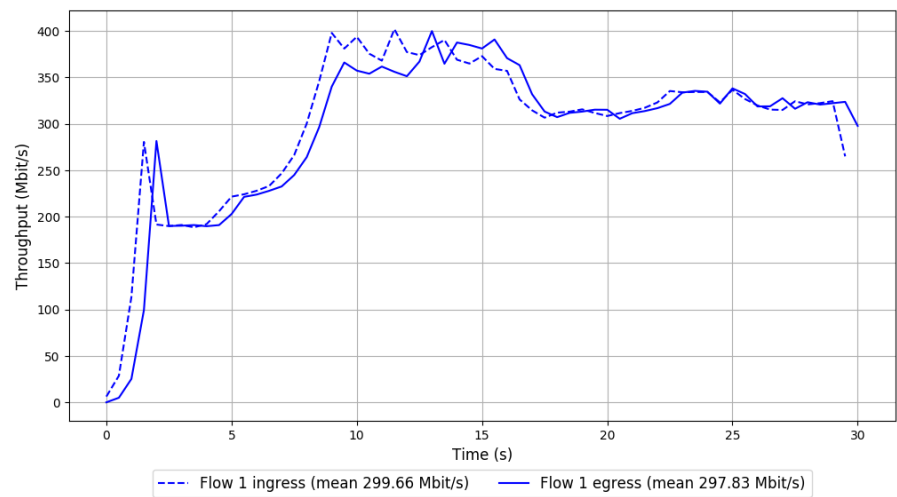


Run 10: Statistics of PCC-Expr

Start at: 2018-07-26 15:42:35
End at: 2018-07-26 15:43:05
Local clock offset: -0.107 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 297.83 Mbit/s
95th percentile per-packet one-way delay: 165.365 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 297.83 Mbit/s
95th percentile per-packet one-way delay: 165.365 ms
Loss rate: 0.61%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-26 12:25:18

End at: 2018-07-26 12:25:48

Local clock offset: 0.258 ms

Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.55 Mbit/s

95th percentile per-packet one-way delay: 49.405 ms

Loss rate: 0.00%

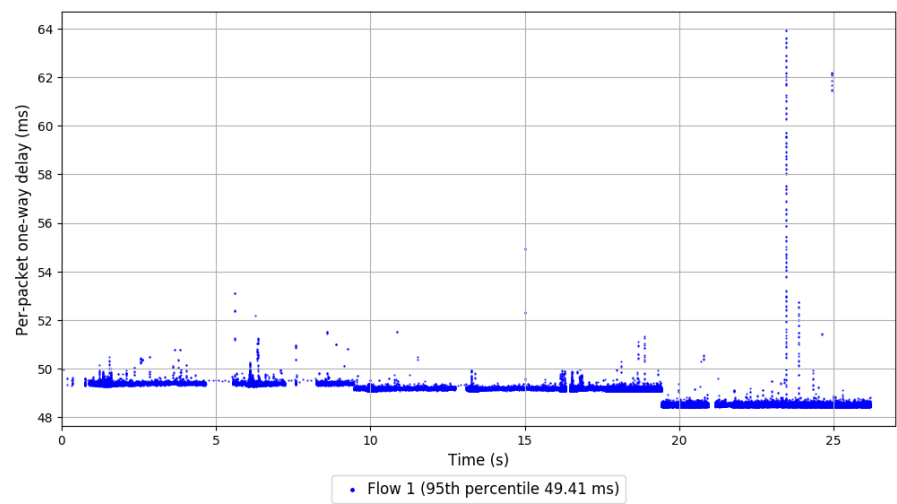
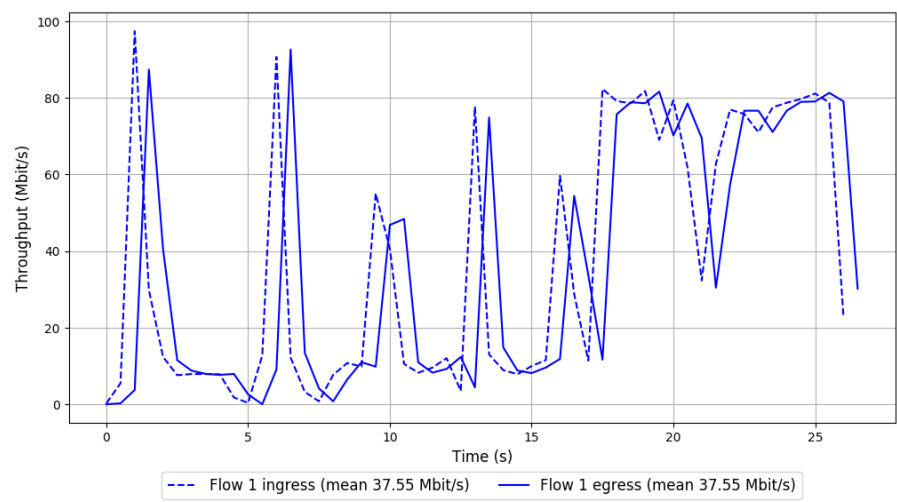
-- Flow 1:

Average throughput: 37.55 Mbit/s

95th percentile per-packet one-way delay: 49.405 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

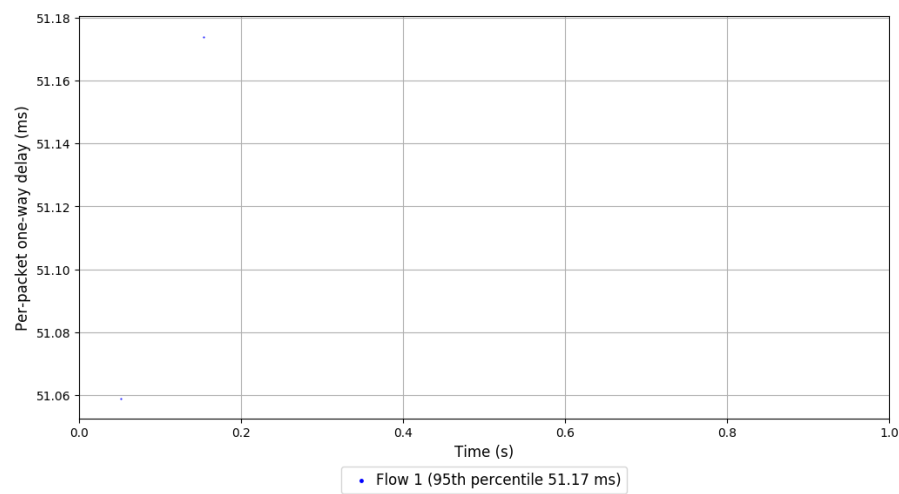
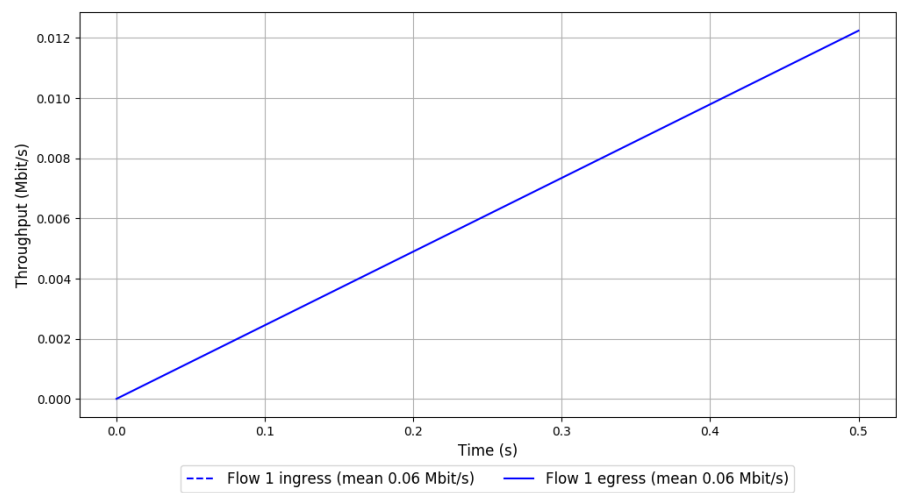
Start at: 2018-07-26 12:47:10

End at: 2018-07-26 12:47:40

Local clock offset: -0.507 ms

Remote clock offset: -0.541 ms

Run 2: Report of QUIC Cubic — Data Link

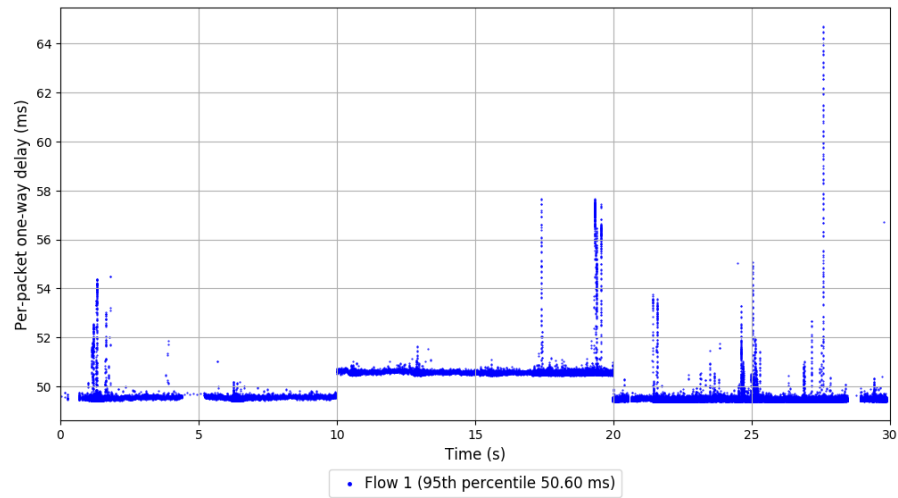
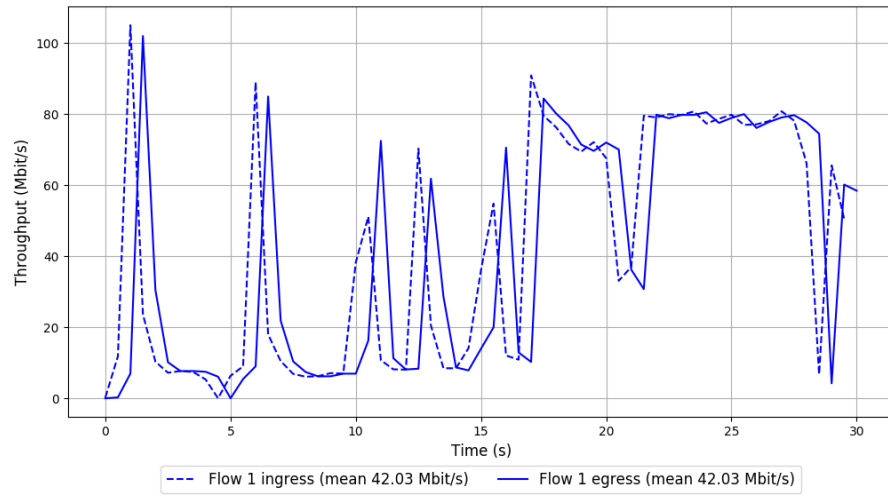


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-26 13:09:21
End at: 2018-07-26 13:09:51
Local clock offset: -0.167 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 50.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 50.604 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-26 13:31:17

End at: 2018-07-26 13:31:47

Local clock offset: -0.19 ms

Remote clock offset: -0.805 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 50.593 ms

Loss rate: 0.00%

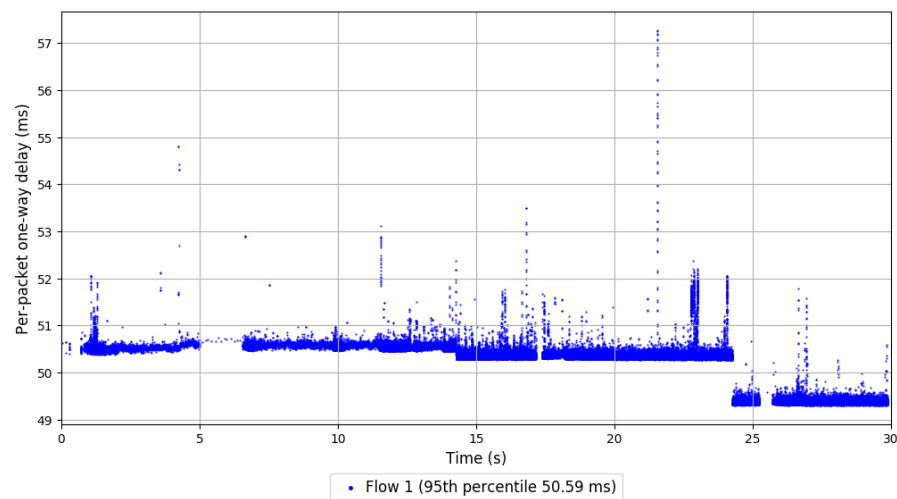
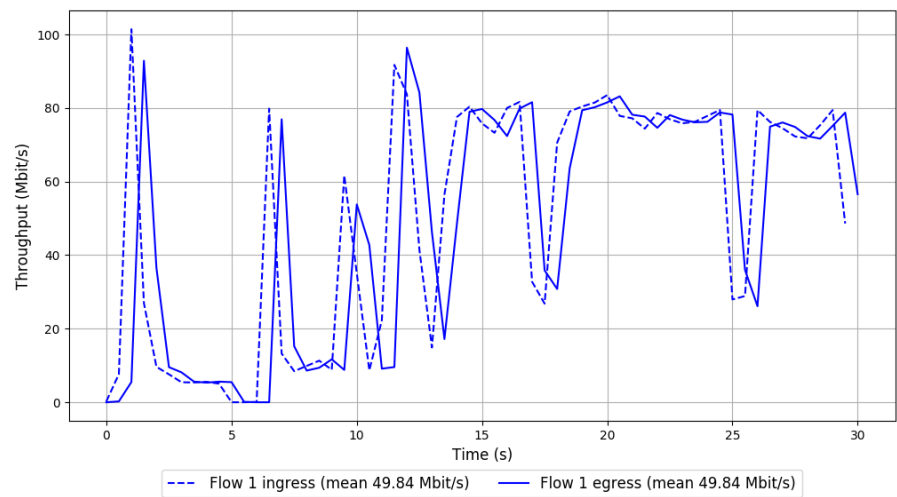
-- Flow 1:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 50.593 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-26 13:53:25

End at: 2018-07-26 13:53:55

Local clock offset: 0.032 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 49.627 ms

Loss rate: 0.00%

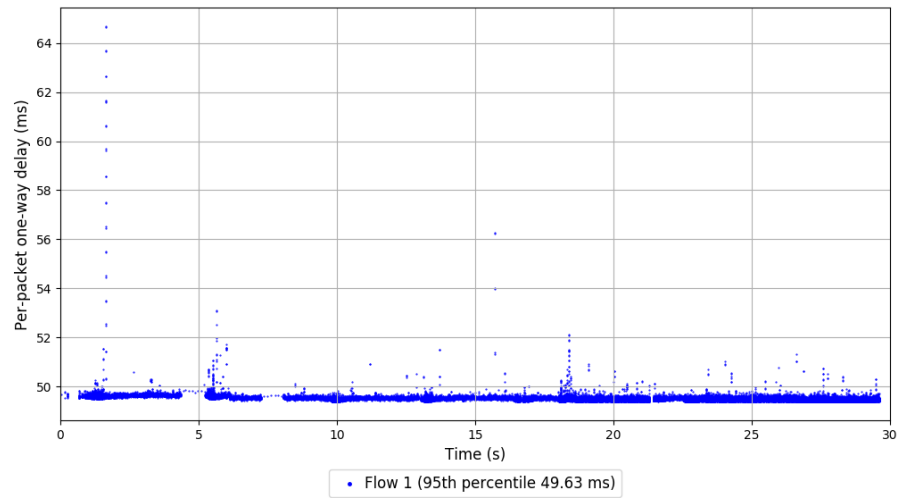
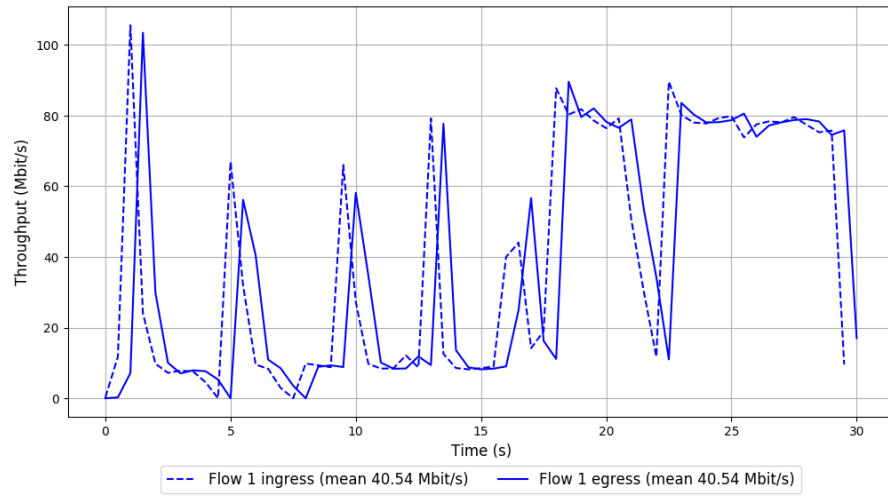
-- Flow 1:

Average throughput: 40.54 Mbit/s

95th percentile per-packet one-way delay: 49.627 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-26 14:15:42

End at: 2018-07-26 14:16:12

Local clock offset: 0.491 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.45 Mbit/s

95th percentile per-packet one-way delay: 49.435 ms

Loss rate: 0.00%

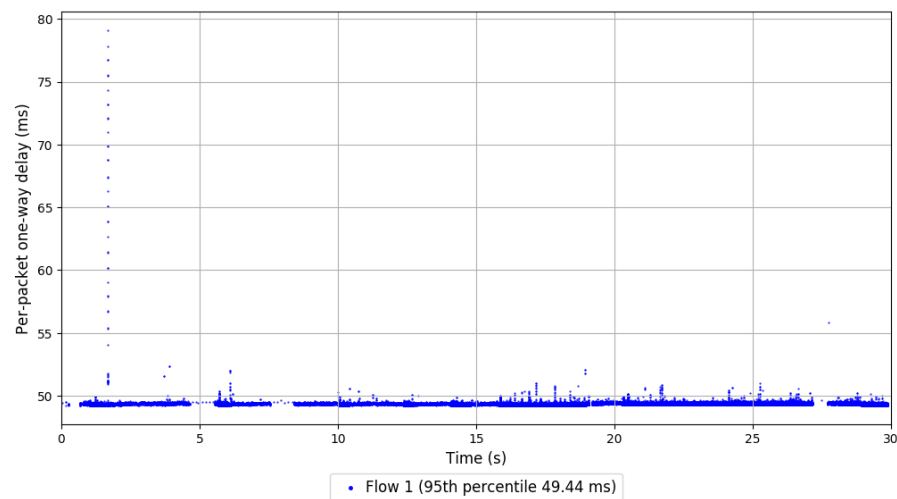
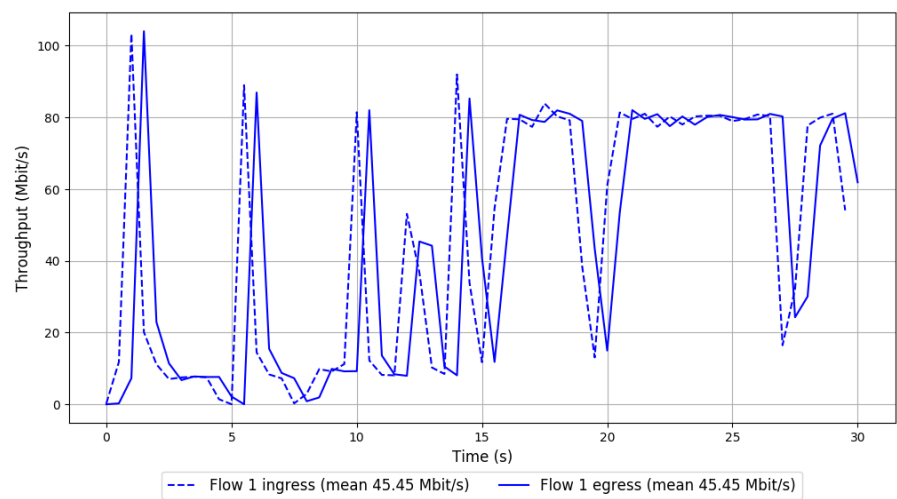
-- Flow 1:

Average throughput: 45.45 Mbit/s

95th percentile per-packet one-way delay: 49.435 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

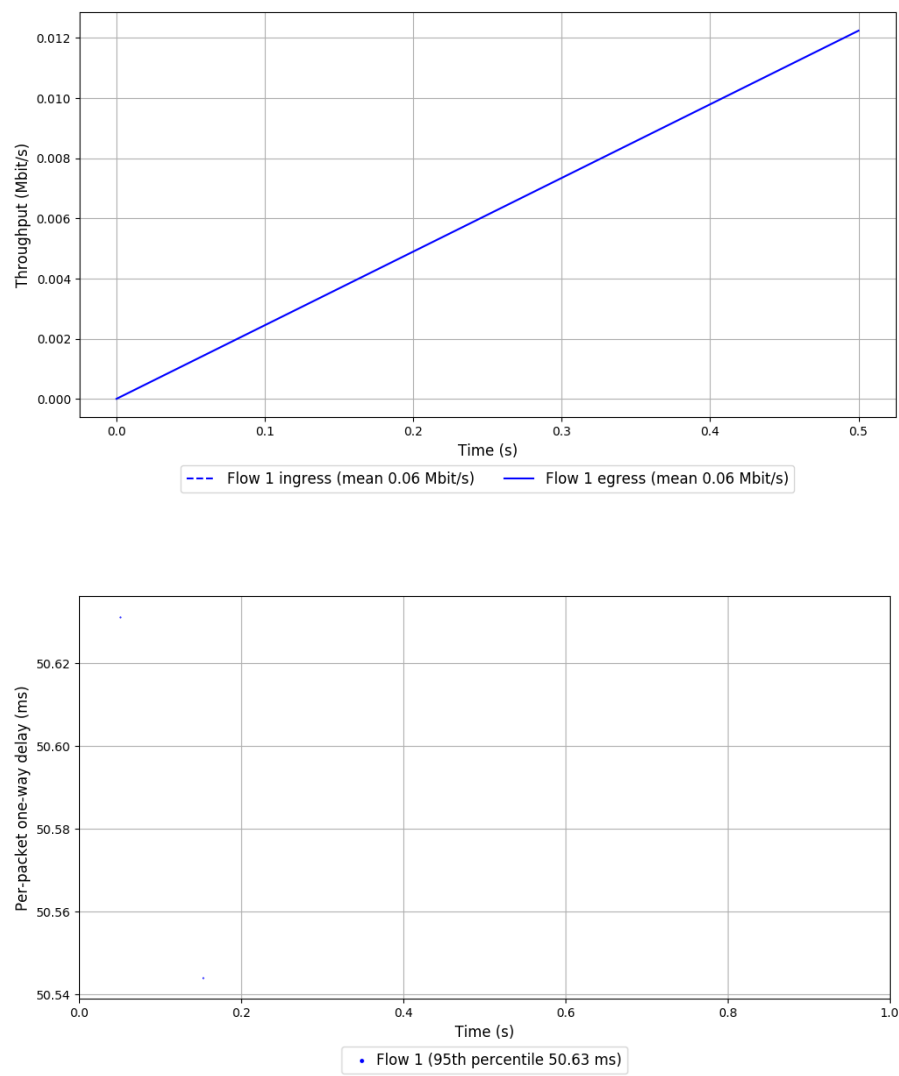
Start at: 2018-07-26 14:37:48

End at: 2018-07-26 14:38:18

Local clock offset: 0.582 ms

Remote clock offset: 0.068 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

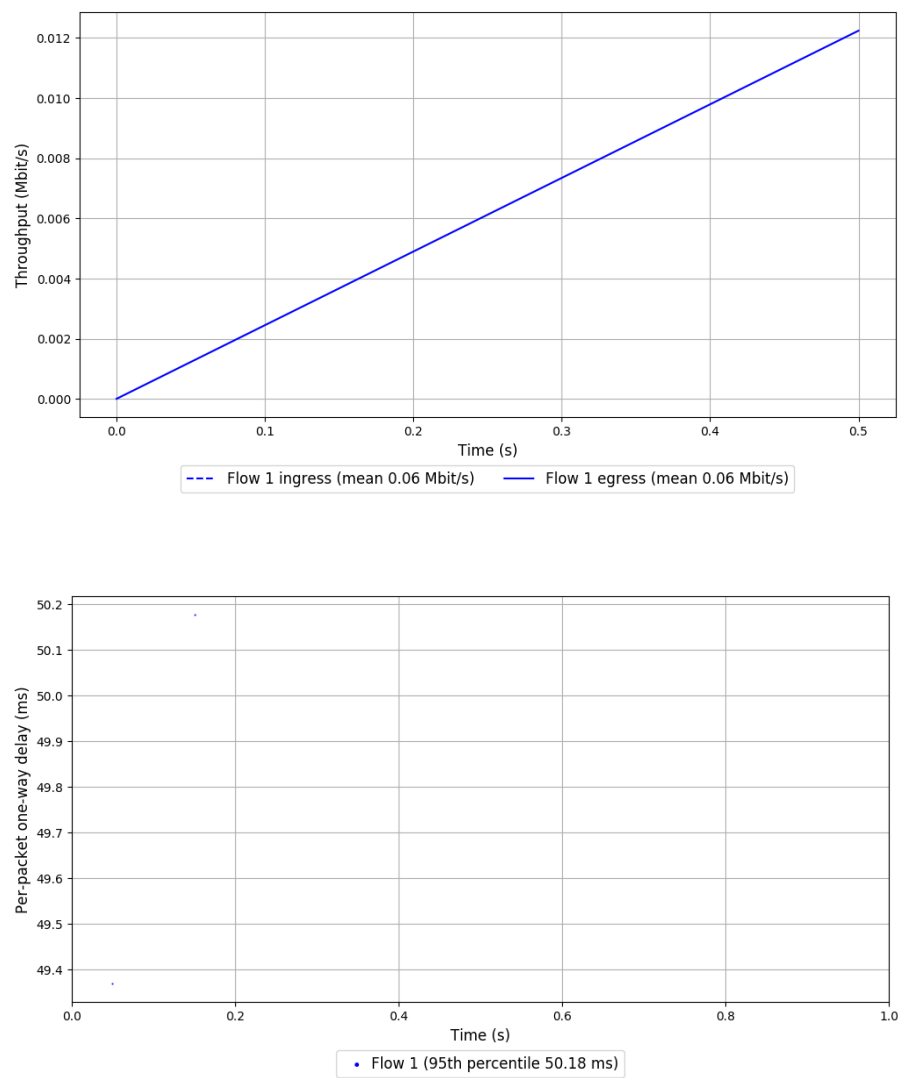
Start at: 2018-07-26 15:00:03

End at: 2018-07-26 15:00:33

Local clock offset: 0.276 ms

Remote clock offset: -0.057 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

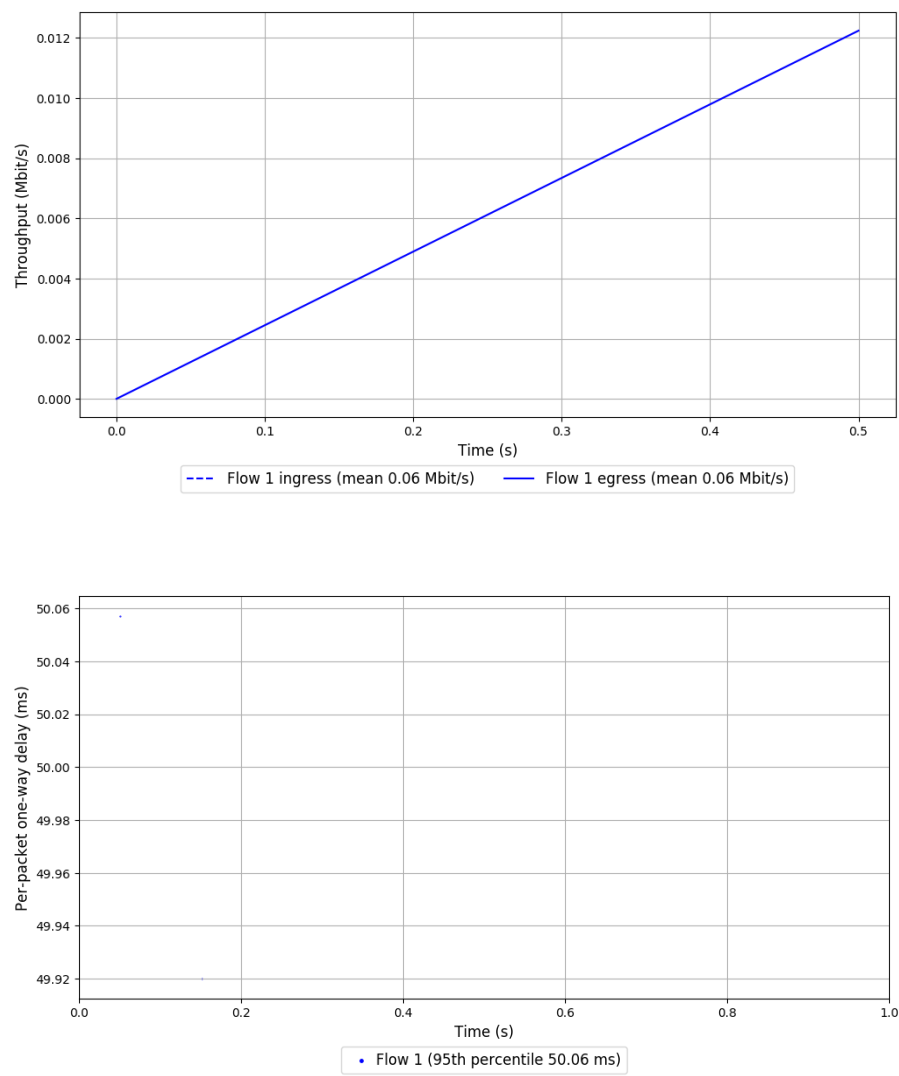
Start at: 2018-07-26 15:22:06

End at: 2018-07-26 15:22:36

Local clock offset: -0.498 ms

Remote clock offset: -0.076 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

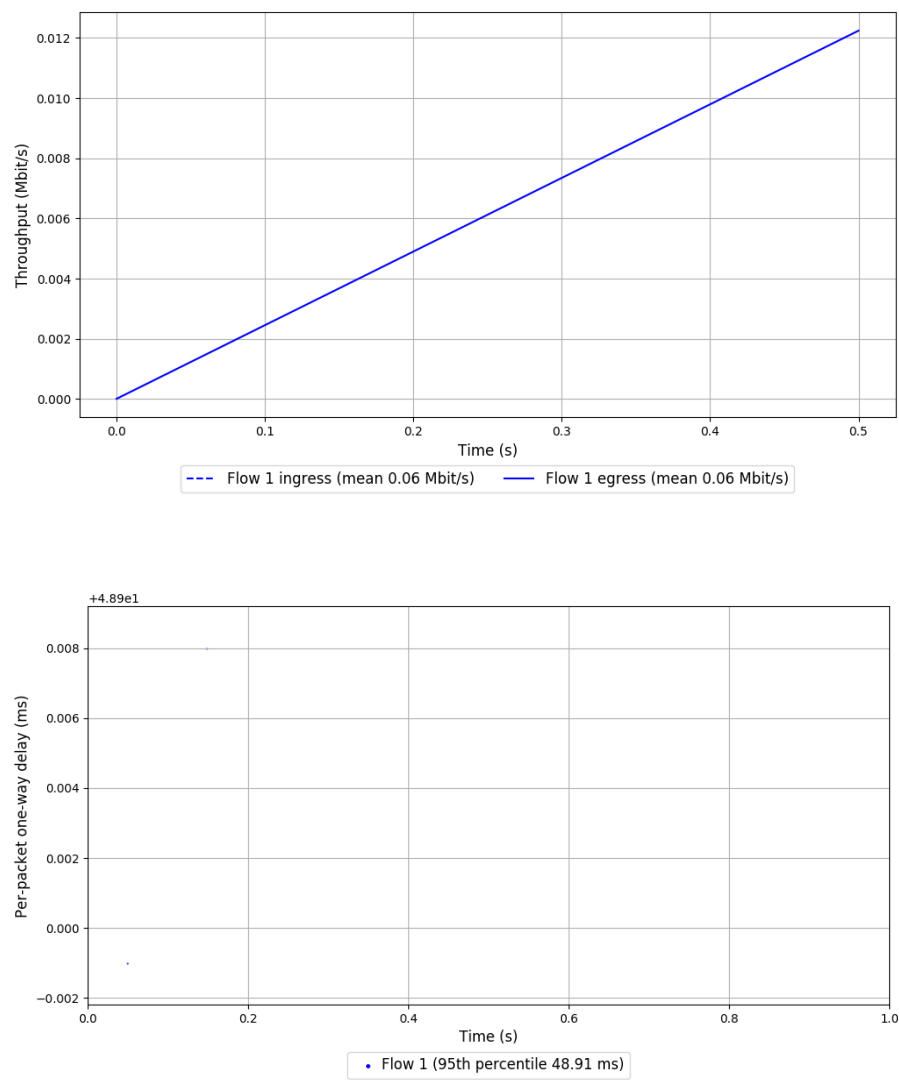
Start at: 2018-07-26 15:44:08

End at: 2018-07-26 15:44:38

Local clock offset: -0.168 ms

Remote clock offset: -0.102 ms

Run 10: Report of QUIC Cubic — Data Link

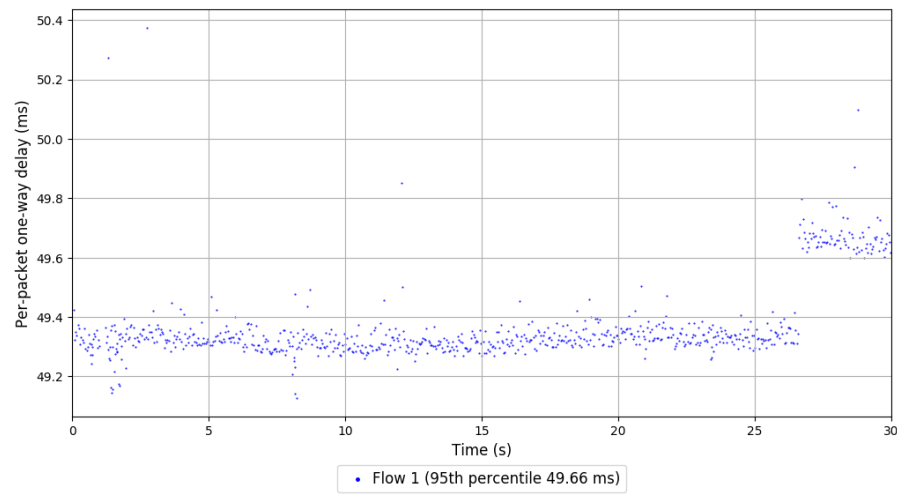
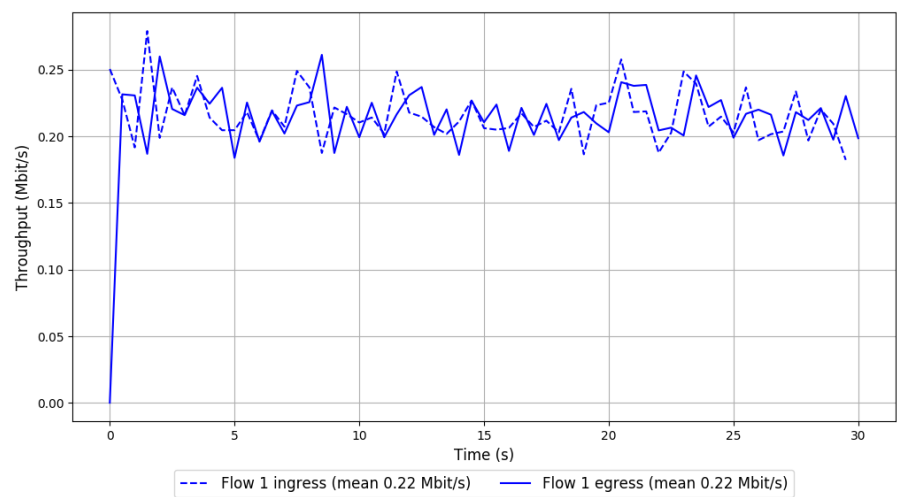


Run 1: Statistics of SCReAM

Start at: 2018-07-26 12:14:35
End at: 2018-07-26 12:15:05
Local clock offset: 0.257 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.665 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

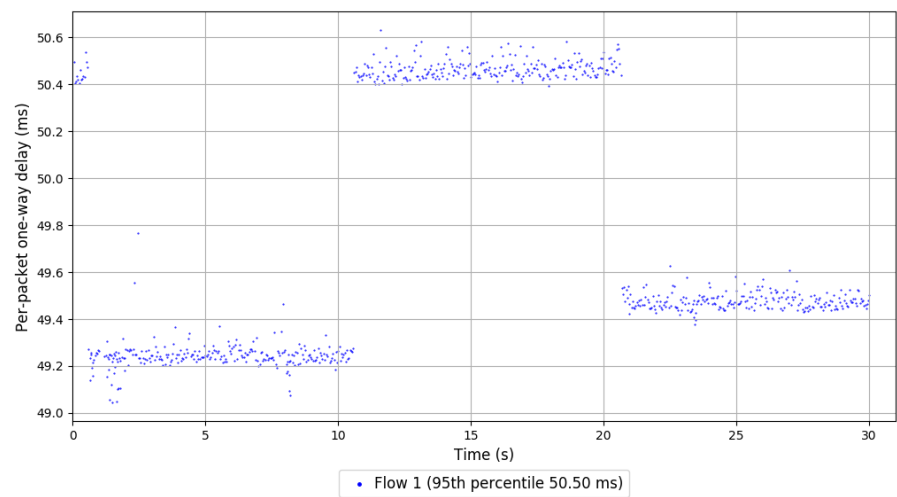
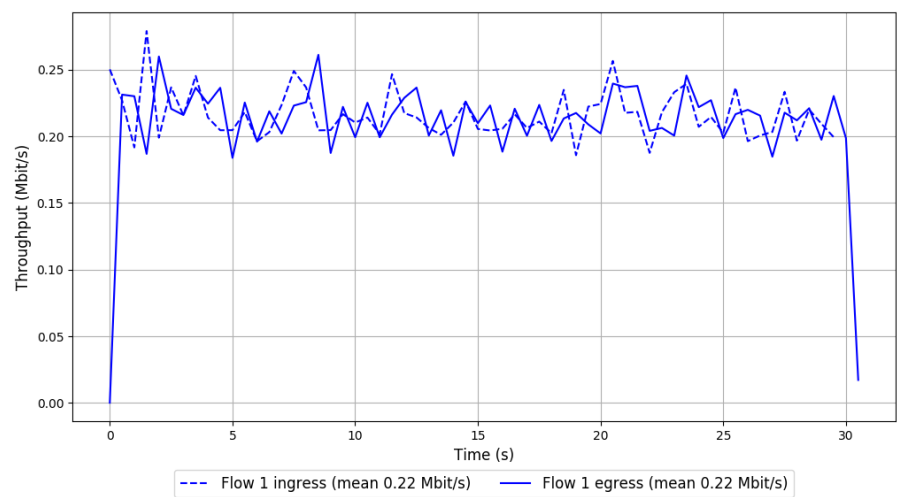


Run 2: Statistics of SCReAM

Start at: 2018-07-26 12:36:31
End at: 2018-07-26 12:37:01
Local clock offset: 0.28 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.497 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

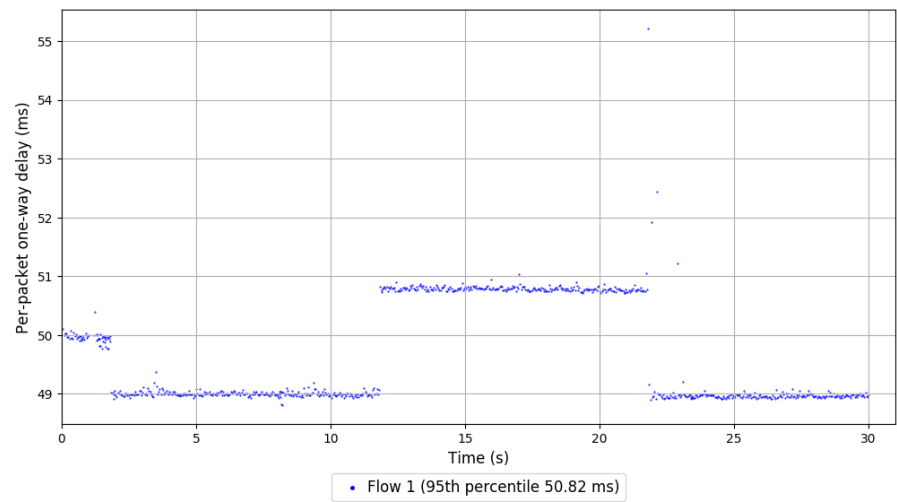
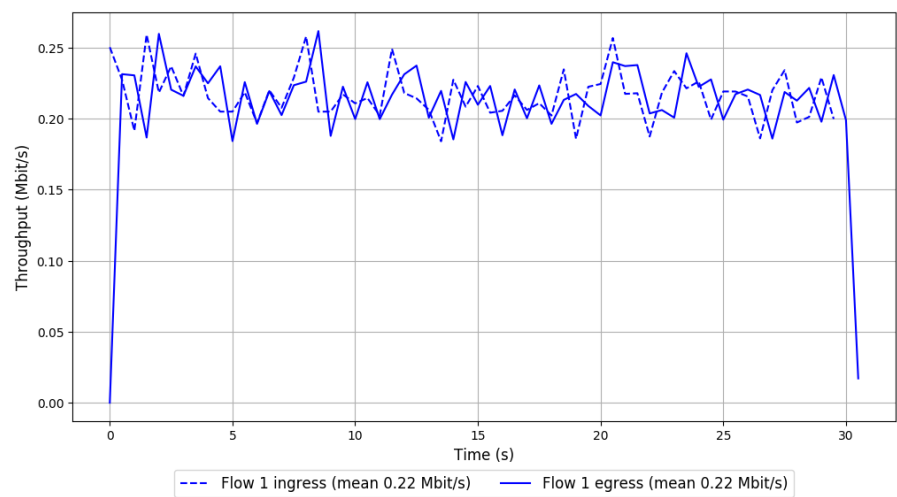


Run 3: Statistics of SCReAM

Start at: 2018-07-26 12:58:40
End at: 2018-07-26 12:59:10
Local clock offset: -0.166 ms
Remote clock offset: -0.657 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

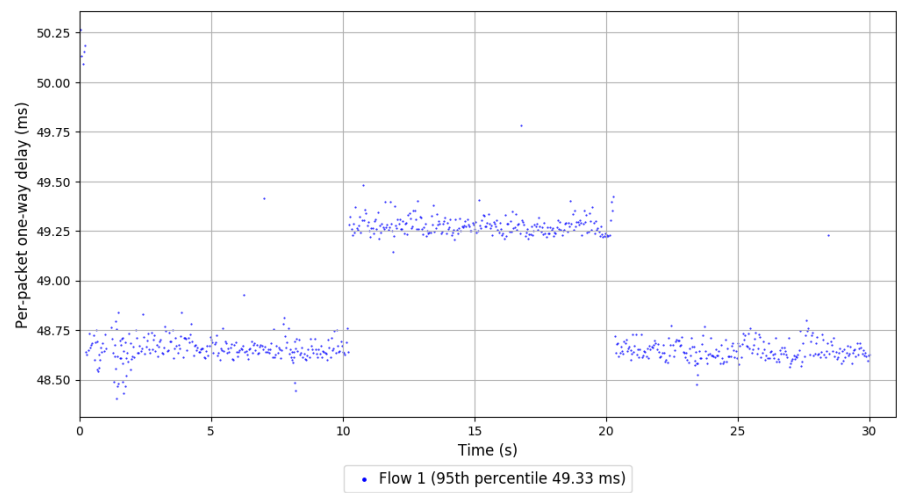
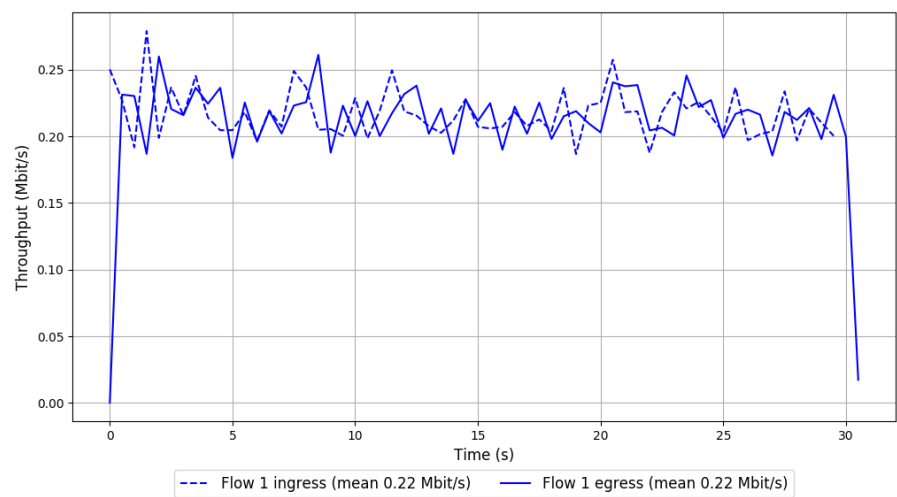


Run 4: Statistics of SCReAM

Start at: 2018-07-26 13:20:51
End at: 2018-07-26 13:21:21
Local clock offset: 0.164 ms
Remote clock offset: -0.854 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.326 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

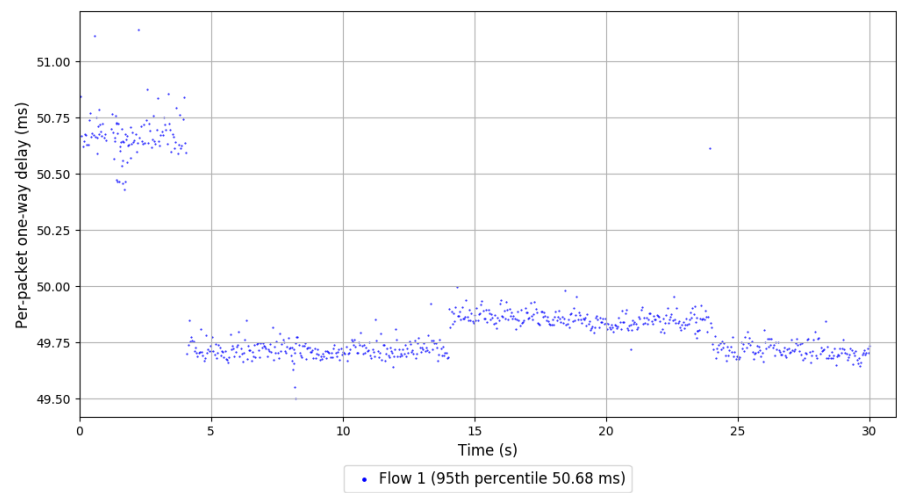
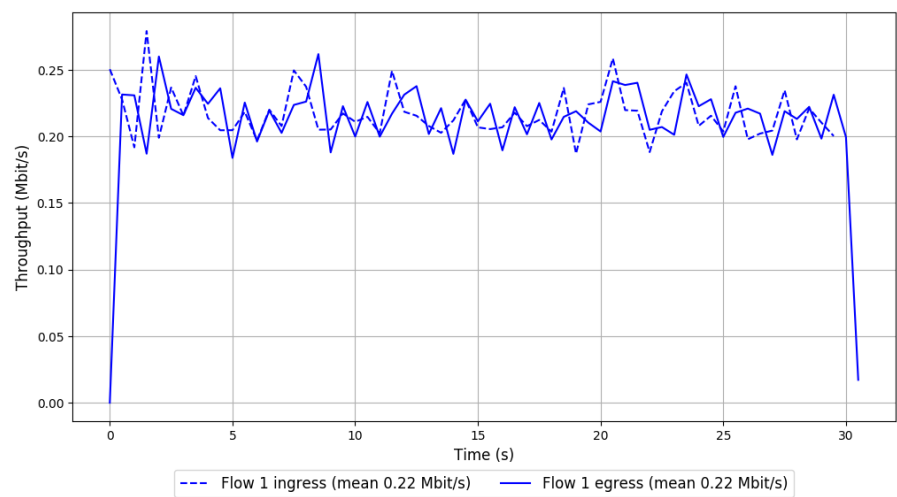


Run 5: Statistics of SCReAM

Start at: 2018-07-26 13:42:47
End at: 2018-07-26 13:43:17
Local clock offset: -0.011 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.684 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-26 14:04:58

End at: 2018-07-26 14:05:28

Local clock offset: 0.092 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.800 ms

Loss rate: 0.00%

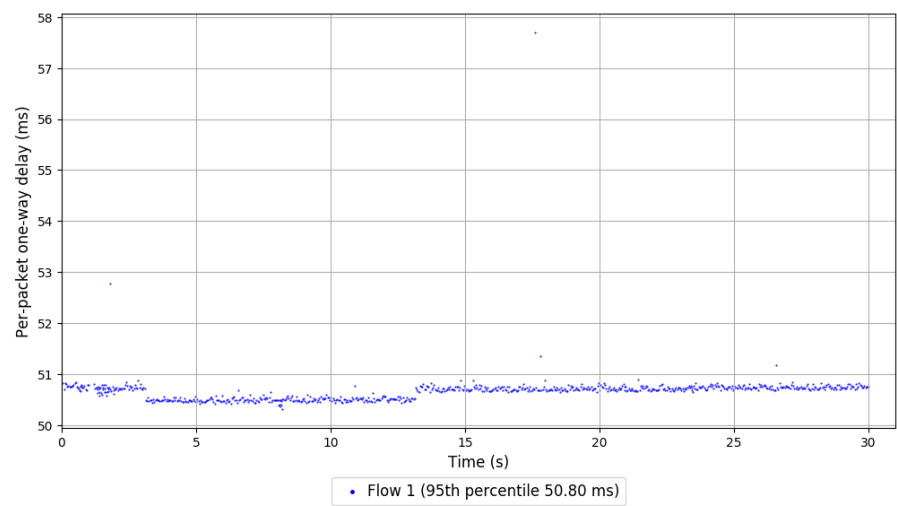
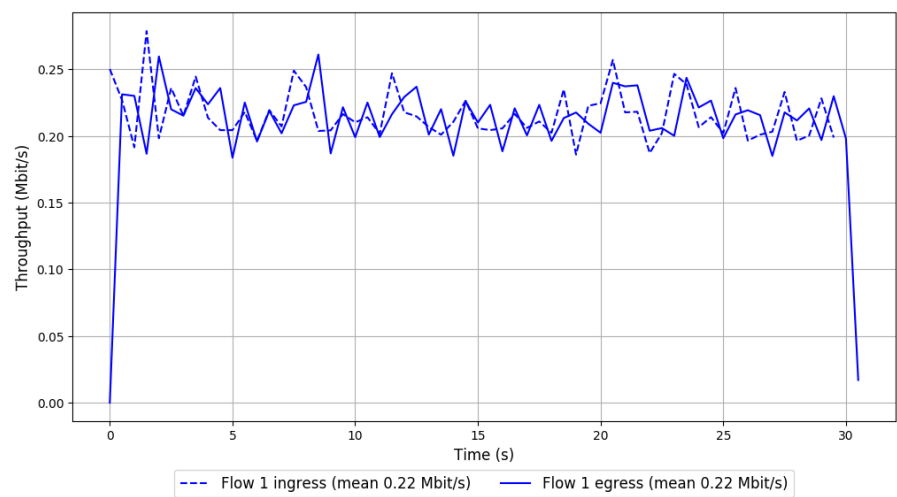
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.800 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-26 14:27:12

End at: 2018-07-26 14:27:42

Local clock offset: 0.519 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.620 ms

Loss rate: 0.00%

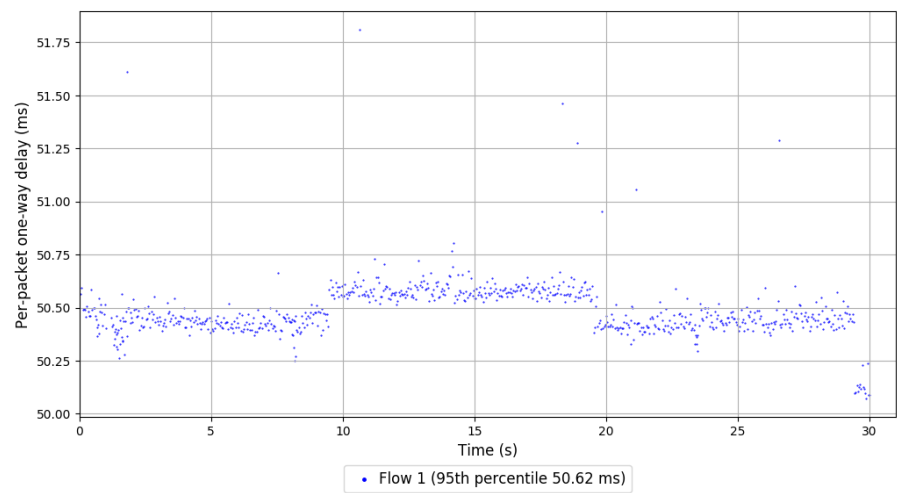
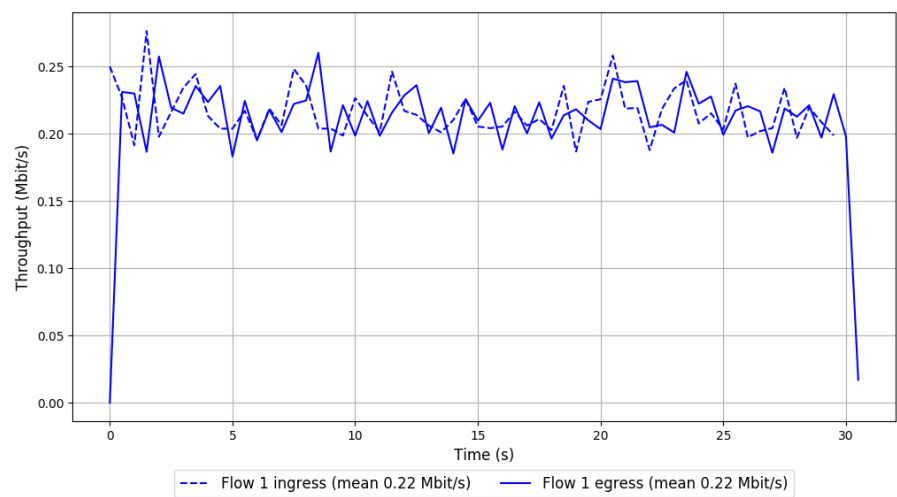
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.620 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

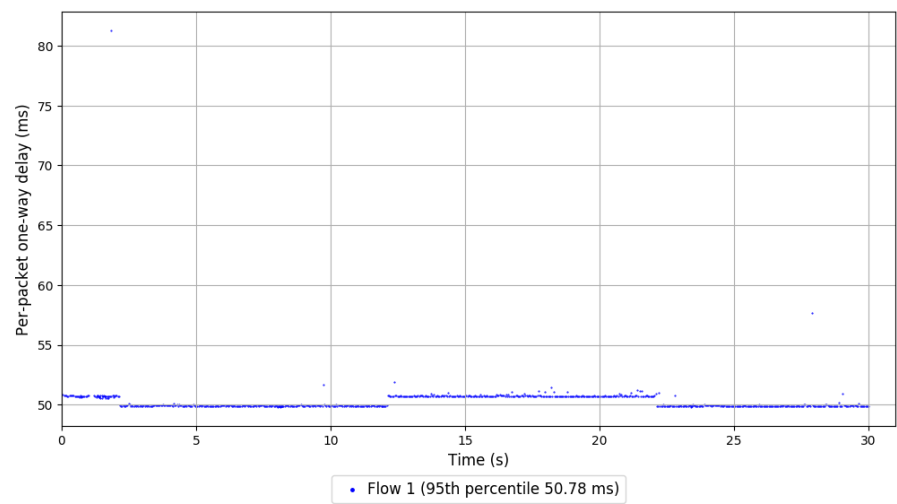
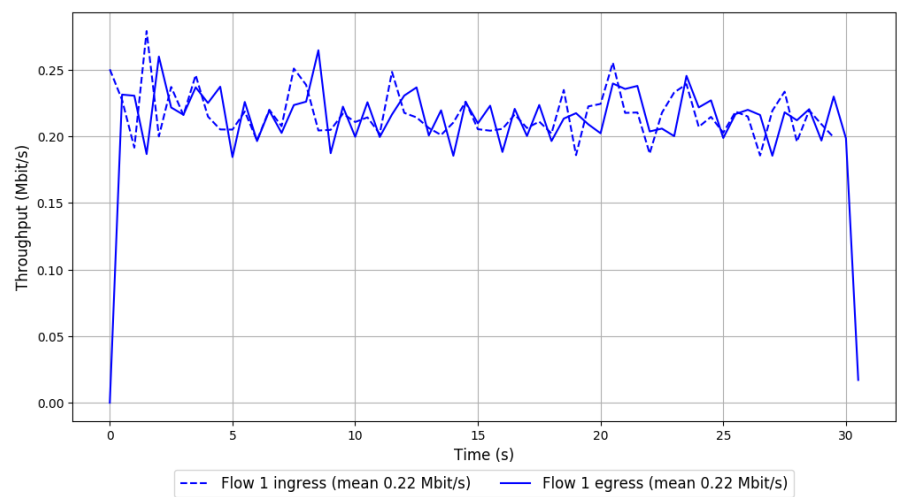


Run 8: Statistics of SCReAM

Start at: 2018-07-26 14:49:19
End at: 2018-07-26 14:49:49
Local clock offset: -0.051 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

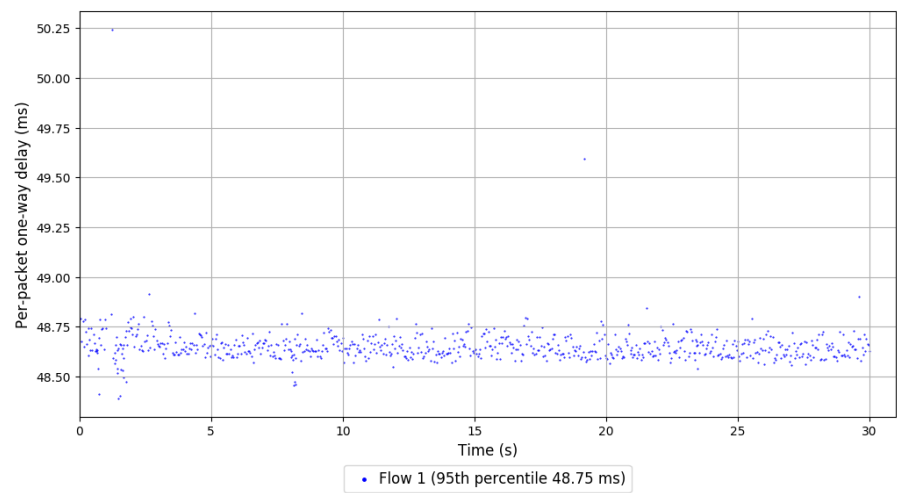
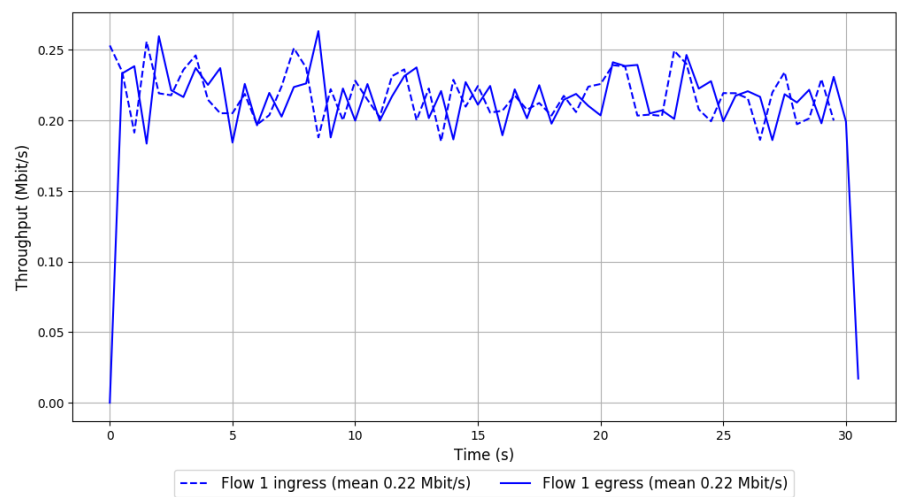


Run 9: Statistics of SReAM

Start at: 2018-07-26 15:11:24
End at: 2018-07-26 15:11:54
Local clock offset: 0.207 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.747 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-26 15:33:26

End at: 2018-07-26 15:33:56

Local clock offset: 0.245 ms

Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.727 ms

Loss rate: 0.00%

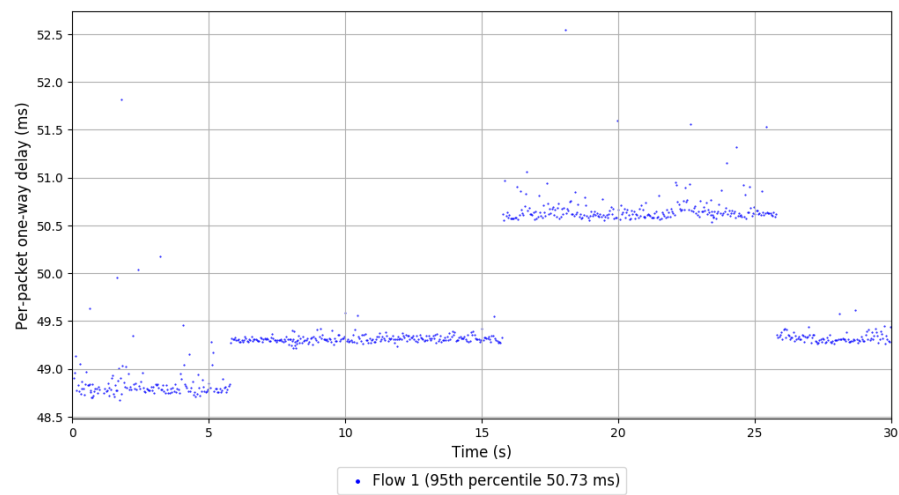
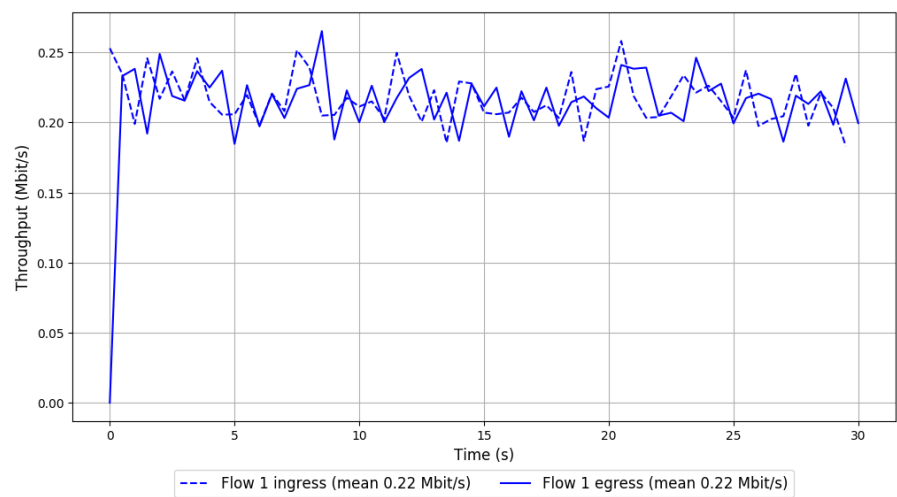
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.727 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

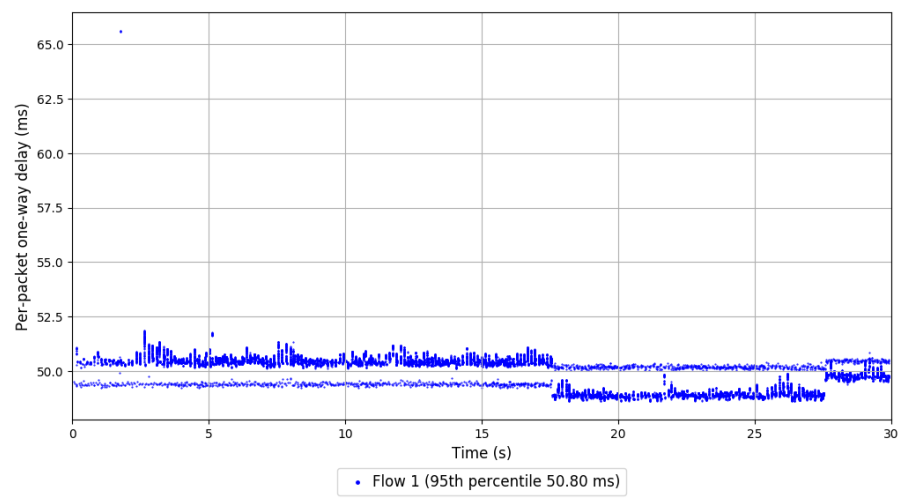
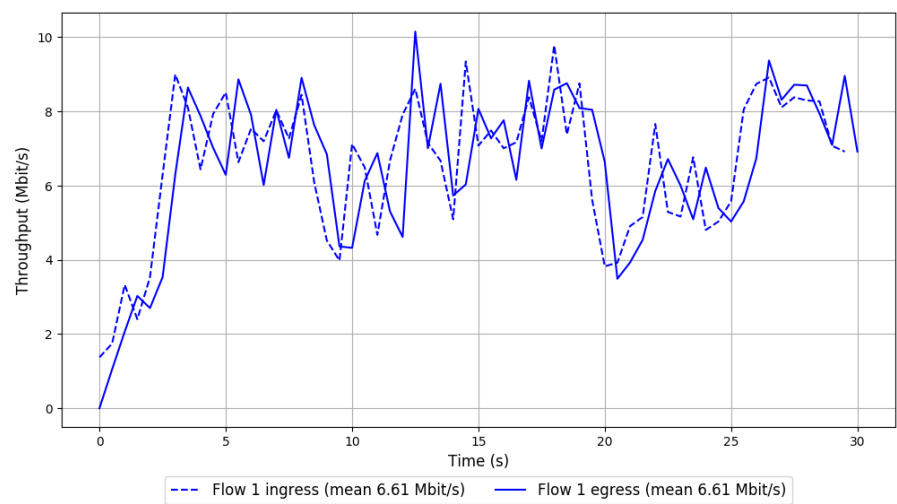


Run 1: Statistics of Sprout

Start at: 2018-07-26 12:27:44
End at: 2018-07-26 12:28:14
Local clock offset: 0.219 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 50.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 50.803 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

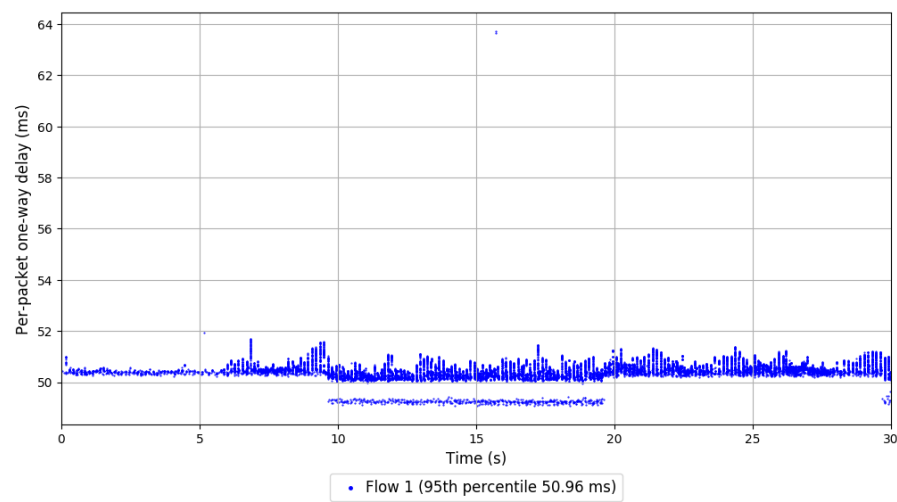
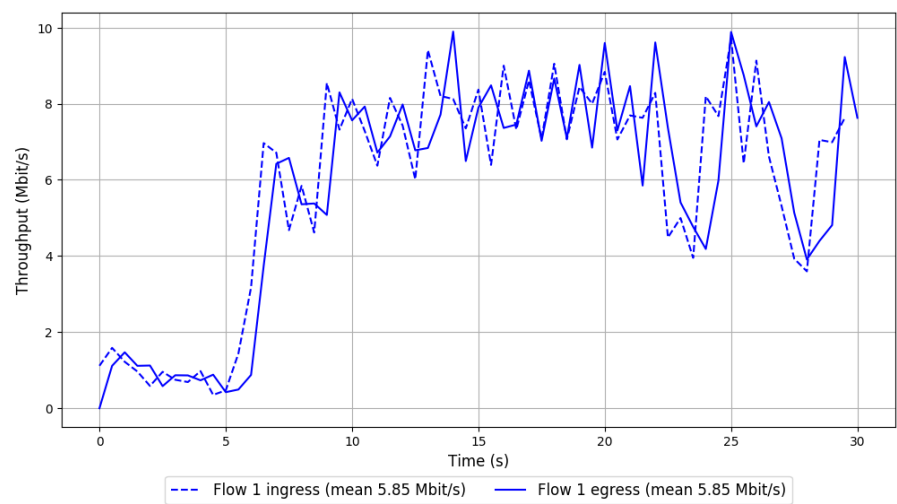


Run 2: Statistics of Sprout

Start at: 2018-07-26 12:49:32
End at: 2018-07-26 12:50:02
Local clock offset: 0.242 ms
Remote clock offset: -0.568 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

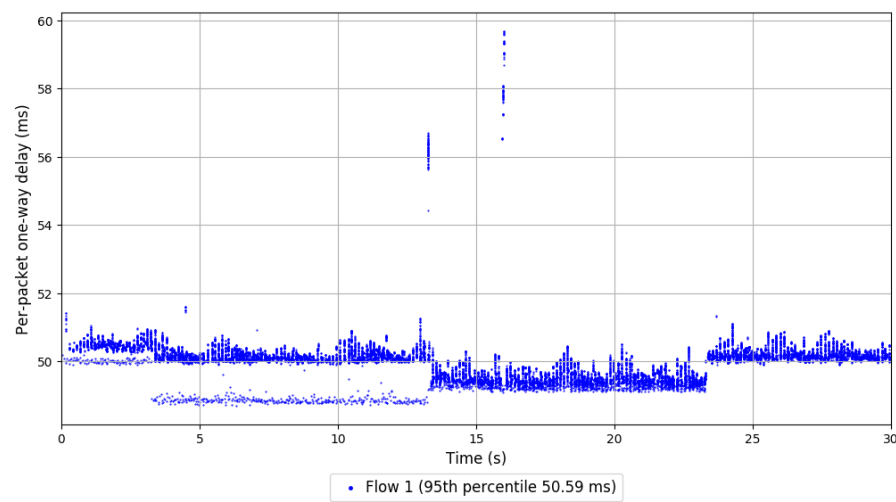
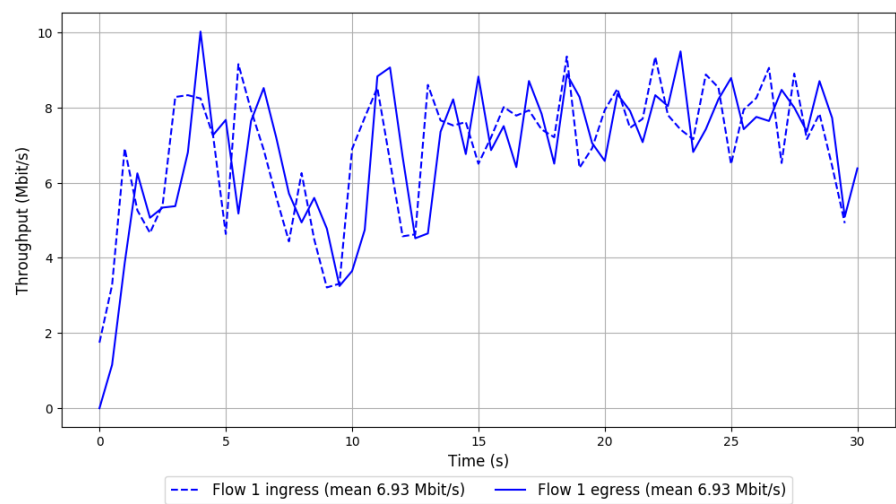


Run 3: Statistics of Sprout

Start at: 2018-07-26 13:11:48
End at: 2018-07-26 13:12:18
Local clock offset: 0.161 ms
Remote clock offset: -0.762 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 50.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 50.586 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

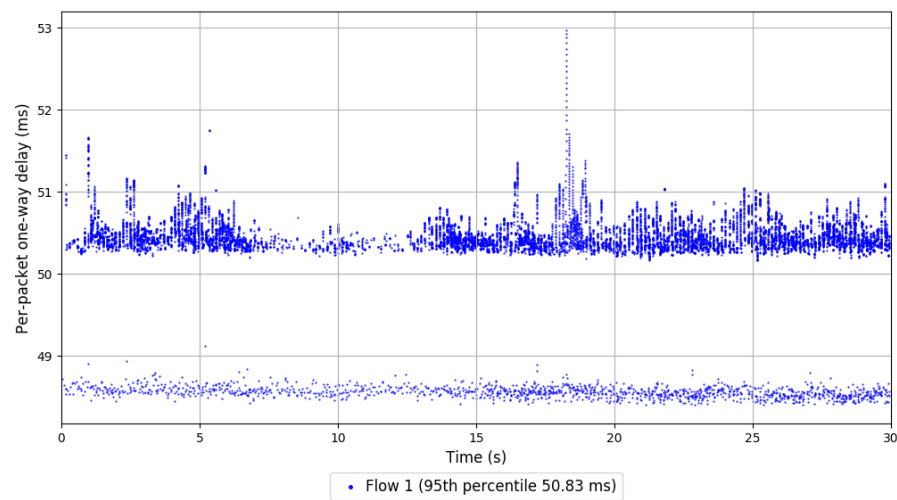
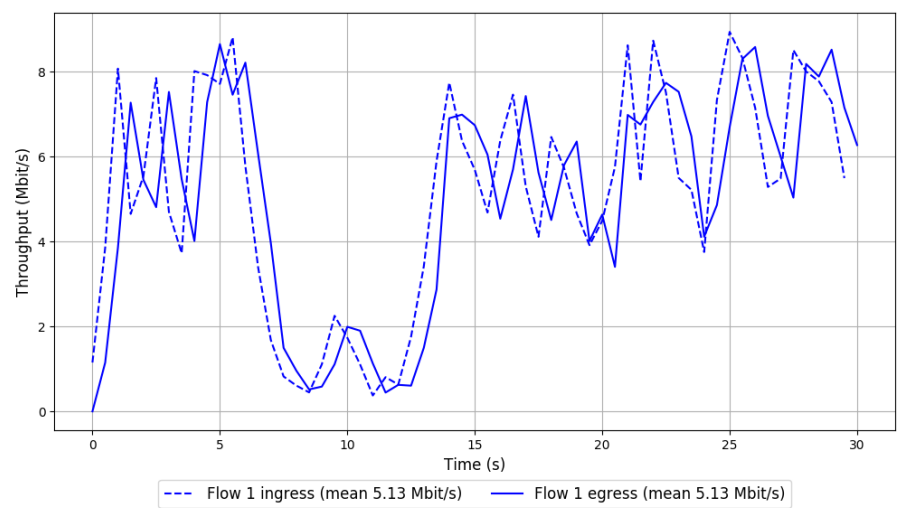


Run 4: Statistics of Sprout

Start at: 2018-07-26 13:33:44
End at: 2018-07-26 13:34:14
Local clock offset: 0.209 ms
Remote clock offset: -0.589 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-26 13:55:50

End at: 2018-07-26 13:56:21

Local clock offset: 0.07 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 50.881 ms

Loss rate: 0.00%

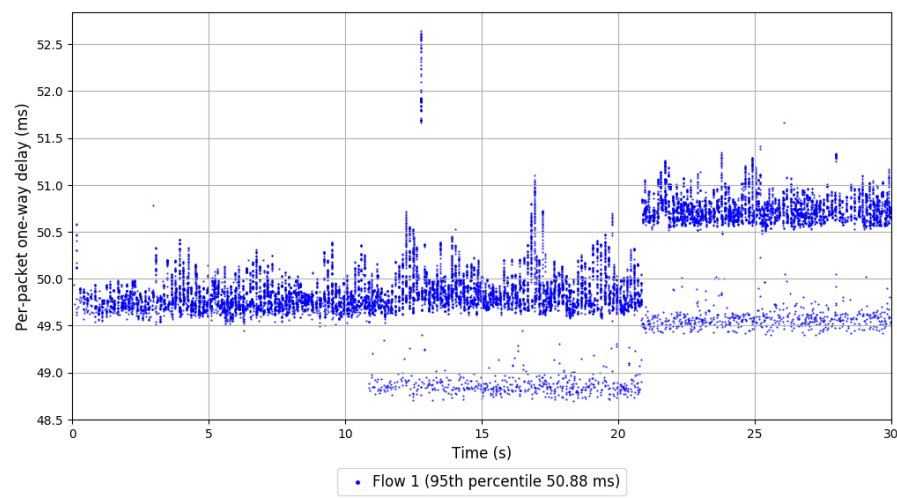
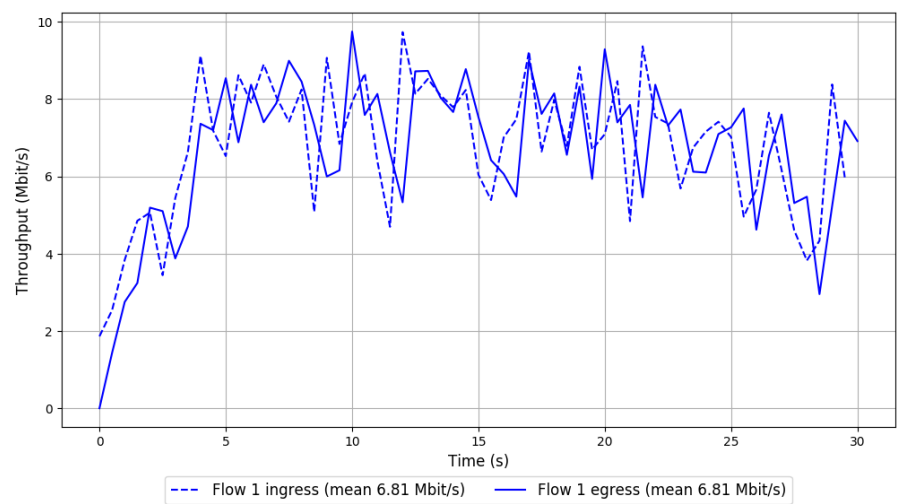
-- Flow 1:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 50.881 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-26 14:18:09

End at: 2018-07-26 14:18:39

Local clock offset: -0.224 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.00%

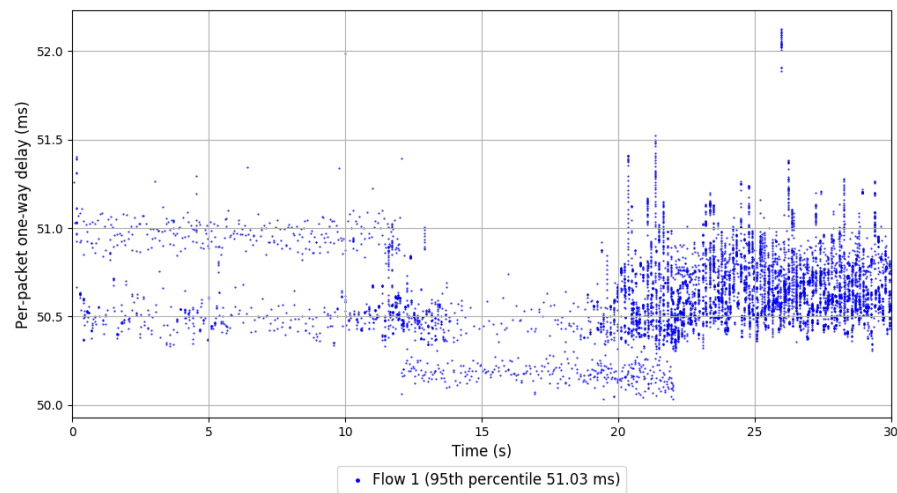
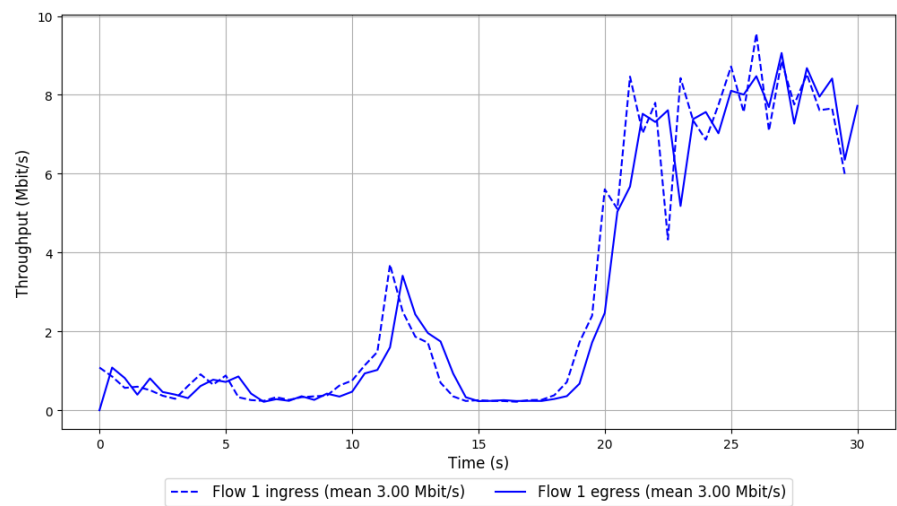
-- Flow 1:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-26 14:40:12

End at: 2018-07-26 14:40:42

Local clock offset: 0.511 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 50.670 ms

Loss rate: 0.00%

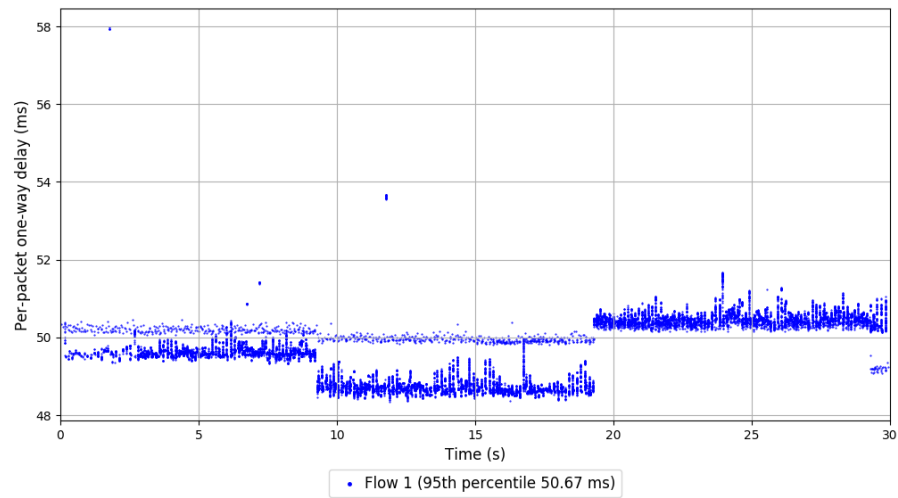
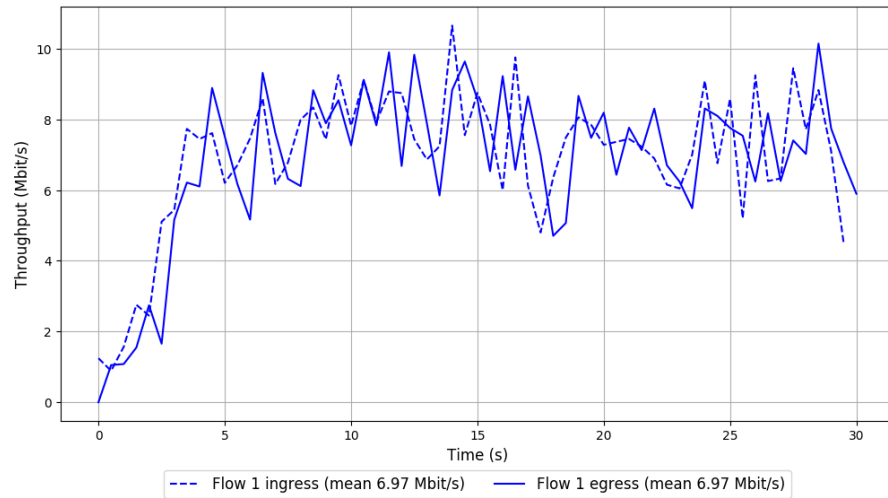
-- Flow 1:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 50.670 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

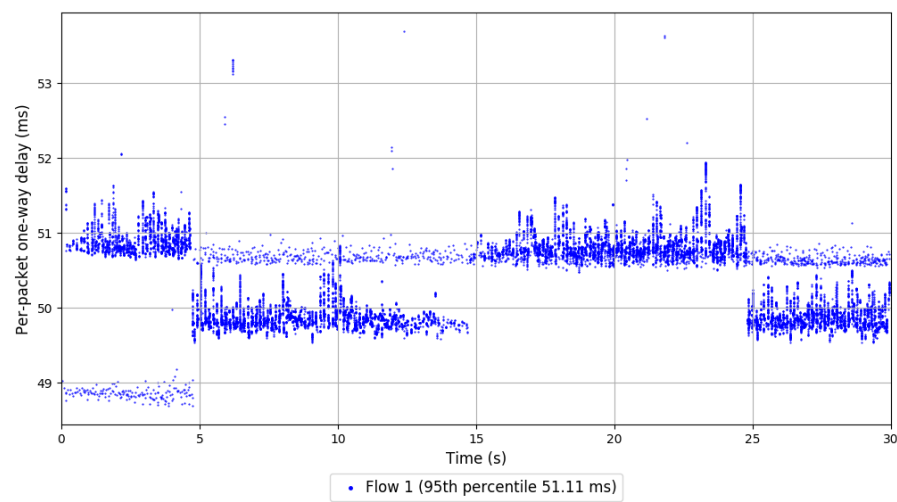
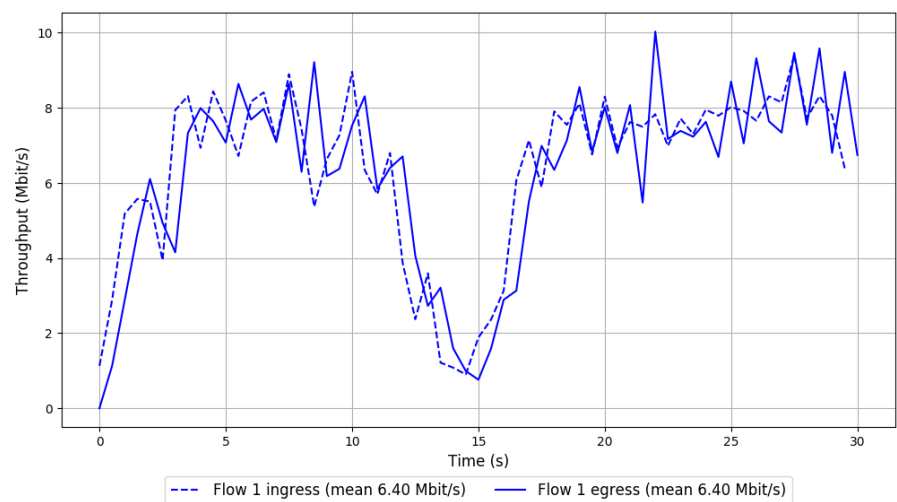


Run 8: Statistics of Sprout

Start at: 2018-07-26 15:02:27
End at: 2018-07-26 15:02:57
Local clock offset: -0.127 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 51.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 51.113 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-26 15:24:30

End at: 2018-07-26 15:25:00

Local clock offset: 0.215 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-26 17:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 50.452 ms

Loss rate: 0.00%

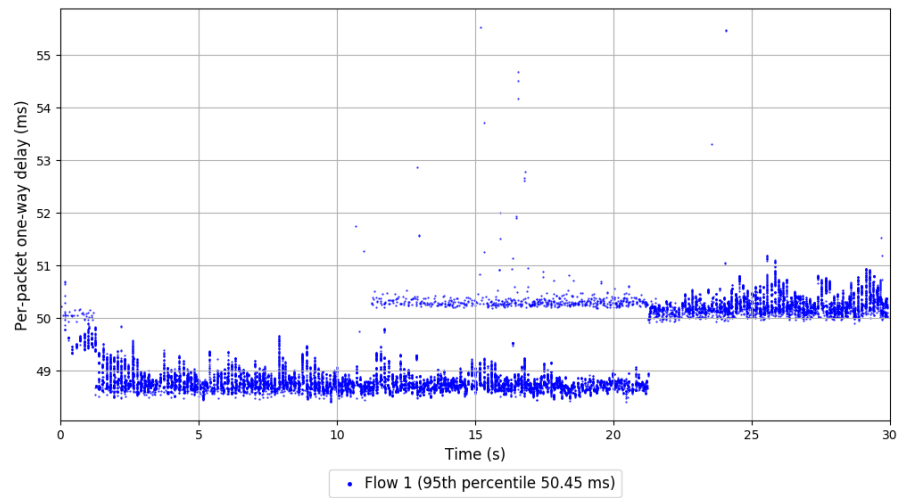
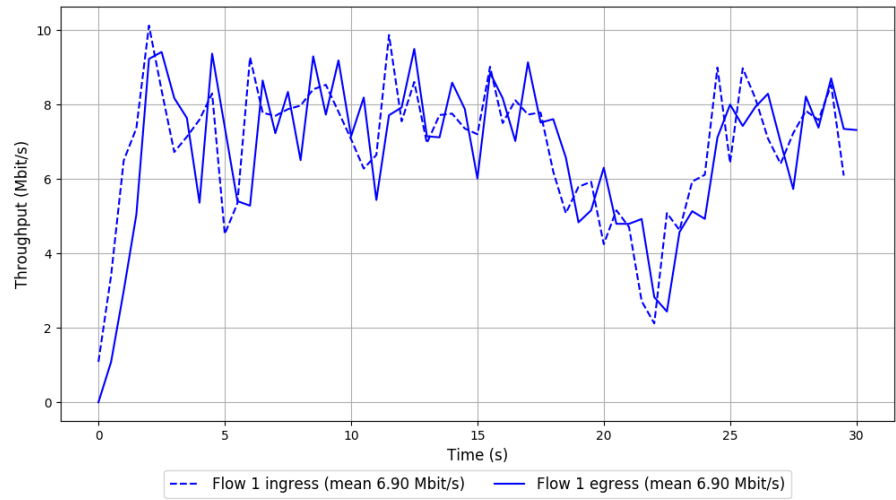
-- Flow 1:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 50.452 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

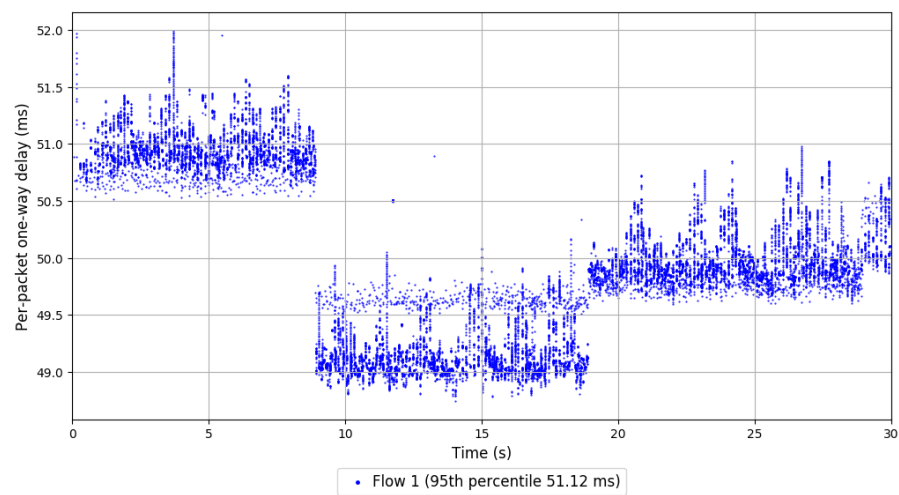
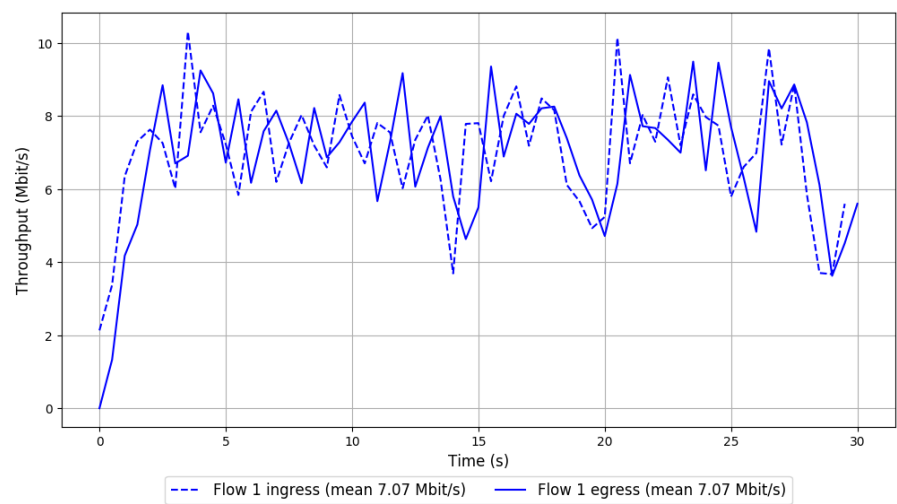


Run 10: Statistics of Sprout

Start at: 2018-07-26 15:46:32
End at: 2018-07-26 15:47:03
Local clock offset: -0.191 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-26 17:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 51.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 51.121 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-26 12:19:47

End at: 2018-07-26 12:20:17

Local clock offset: 0.279 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-26 17:32:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.45 Mbit/s

95th percentile per-packet one-way delay: 50.478 ms

Loss rate: 0.00%

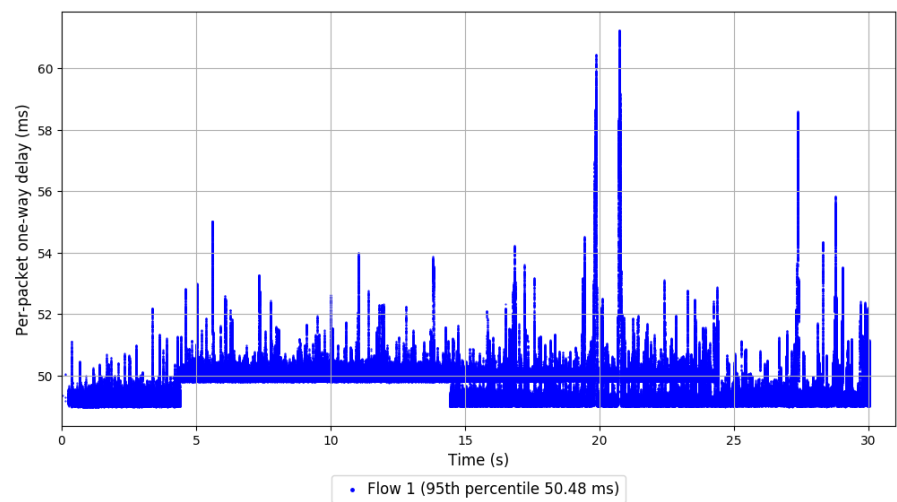
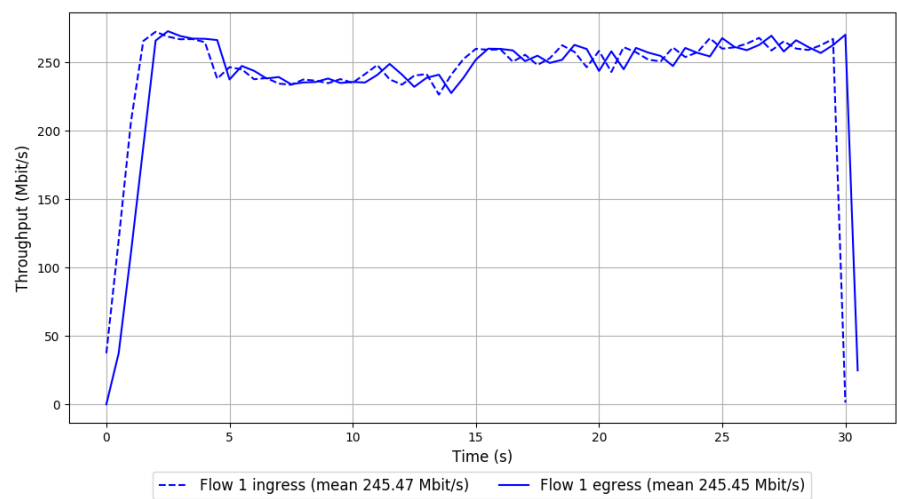
-- Flow 1:

Average throughput: 245.45 Mbit/s

95th percentile per-packet one-way delay: 50.478 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-26 12:41:39

End at: 2018-07-26 12:42:09

Local clock offset: 0.244 ms

Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-07-26 17:32:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.82 Mbit/s

95th percentile per-packet one-way delay: 50.390 ms

Loss rate: 0.02%

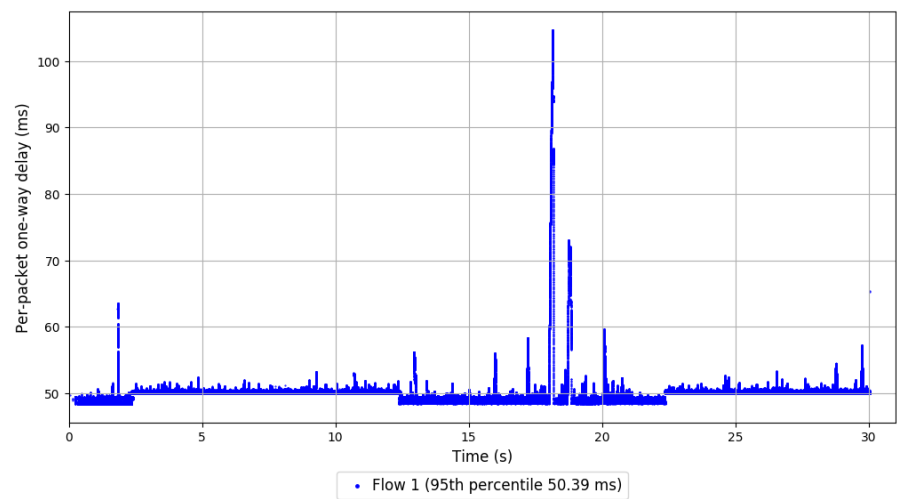
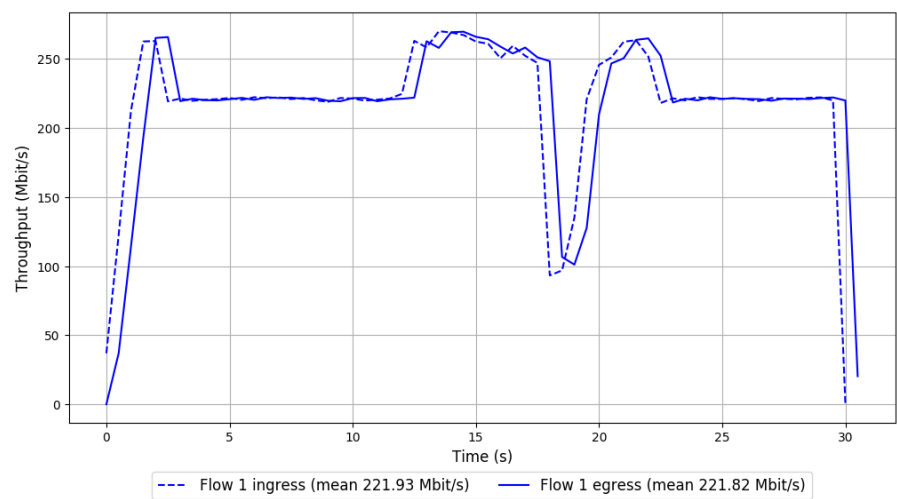
-- Flow 1:

Average throughput: 221.82 Mbit/s

95th percentile per-packet one-way delay: 50.390 ms

Loss rate: 0.02%

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

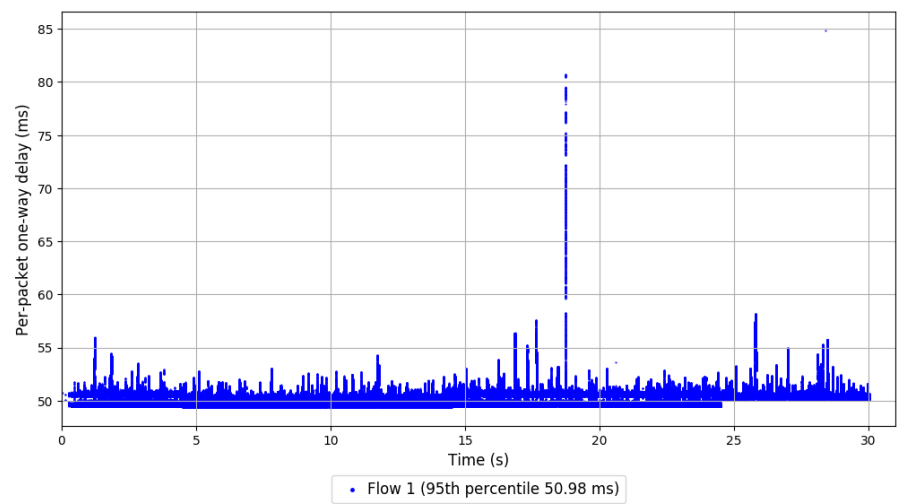
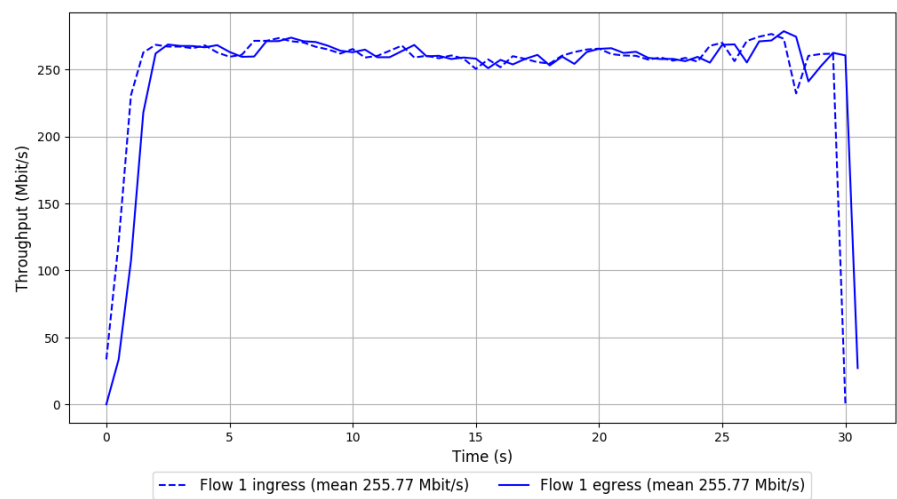


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-26 13:03:47
End at: 2018-07-26 13:04:17
Local clock offset: -0.106 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2018-07-26 17:32:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.77 Mbit/s
95th percentile per-packet one-way delay: 50.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 255.77 Mbit/s
95th percentile per-packet one-way delay: 50.985 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-26 13:25:58

End at: 2018-07-26 13:26:28

Local clock offset: 0.186 ms

Remote clock offset: -0.878 ms

Below is generated by plot.py at 2018-07-26 17:34:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.69 Mbit/s

95th percentile per-packet one-way delay: 49.947 ms

Loss rate: 0.00%

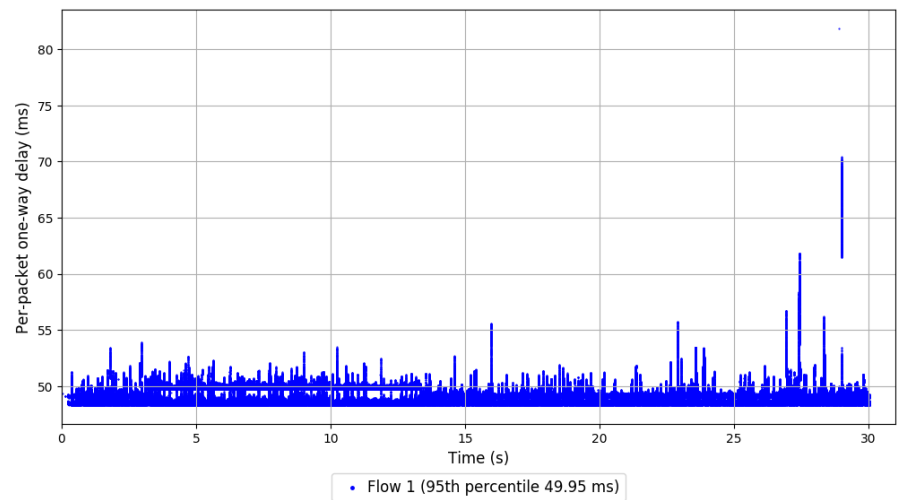
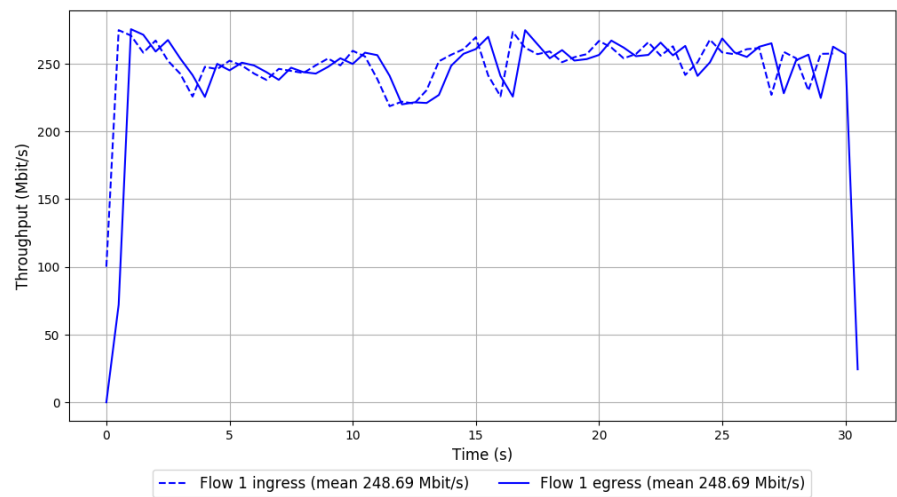
-- Flow 1:

Average throughput: 248.69 Mbit/s

95th percentile per-packet one-way delay: 49.947 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-26 13:47:57

End at: 2018-07-26 13:48:27

Local clock offset: 0.388 ms

Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-26 17:35:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.89 Mbit/s

95th percentile per-packet one-way delay: 50.636 ms

Loss rate: 0.00%

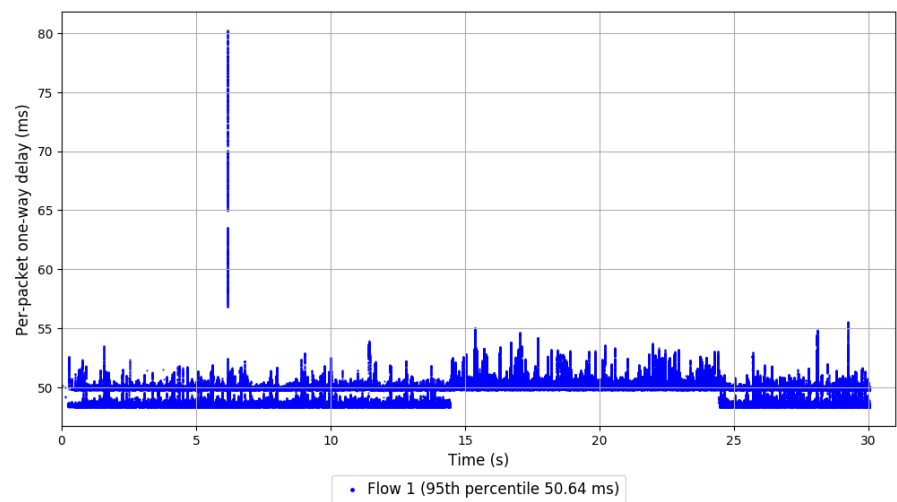
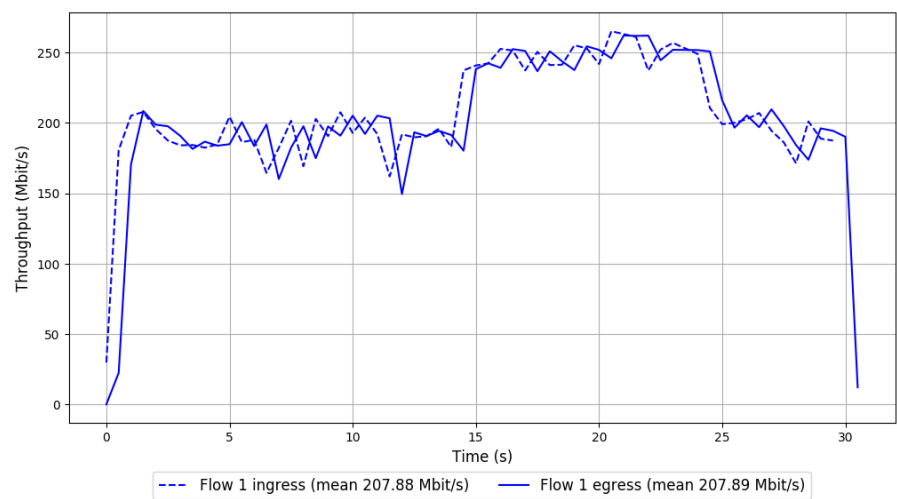
-- Flow 1:

Average throughput: 207.89 Mbit/s

95th percentile per-packet one-way delay: 50.636 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-26 14:10:08

End at: 2018-07-26 14:10:38

Local clock offset: 0.447 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-26 17:38:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.04 Mbit/s

95th percentile per-packet one-way delay: 50.506 ms

Loss rate: 0.00%

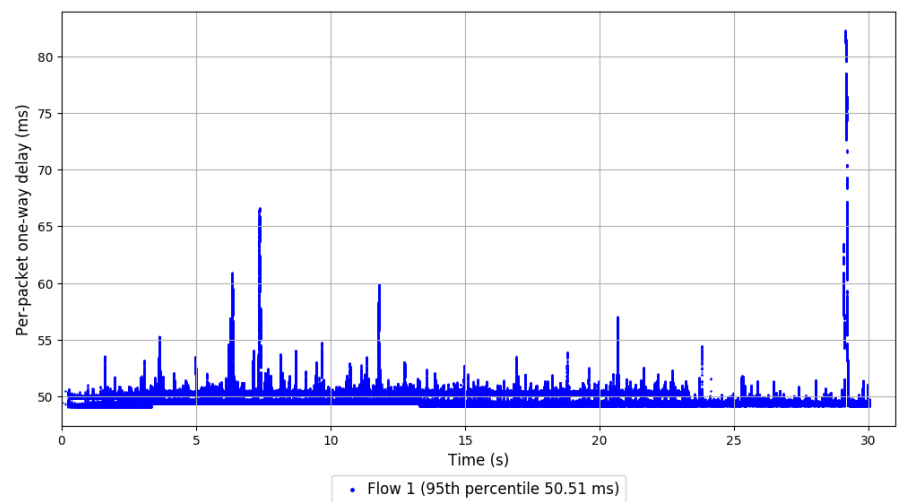
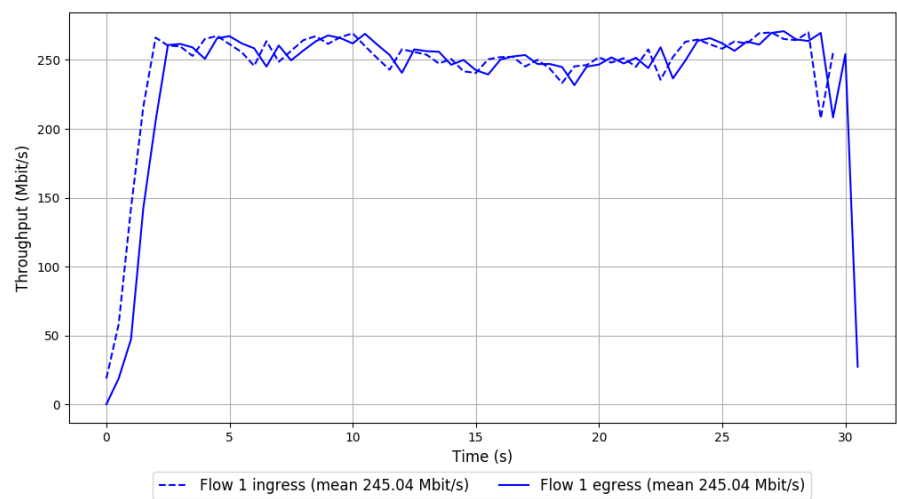
-- Flow 1:

Average throughput: 245.04 Mbit/s

95th percentile per-packet one-way delay: 50.506 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-26 14:32:20

End at: 2018-07-26 14:32:50

Local clock offset: 0.151 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-26 17:38:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.50 Mbit/s

95th percentile per-packet one-way delay: 52.169 ms

Loss rate: 0.00%

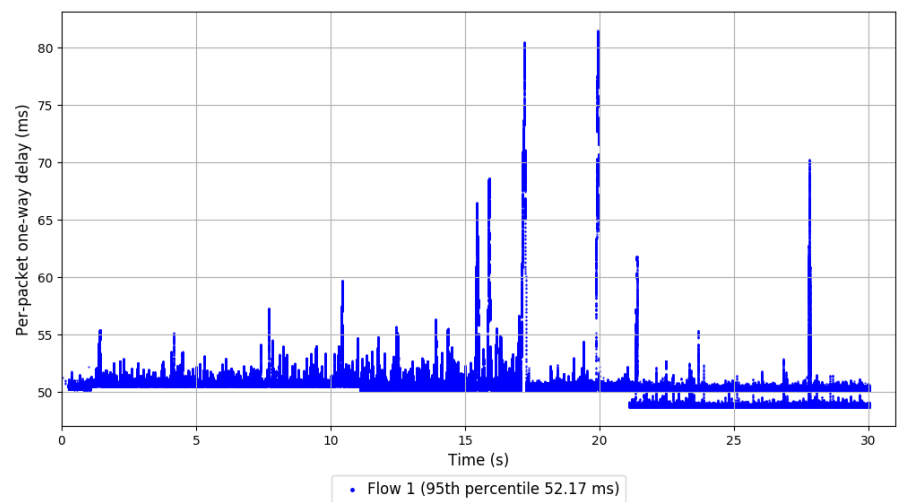
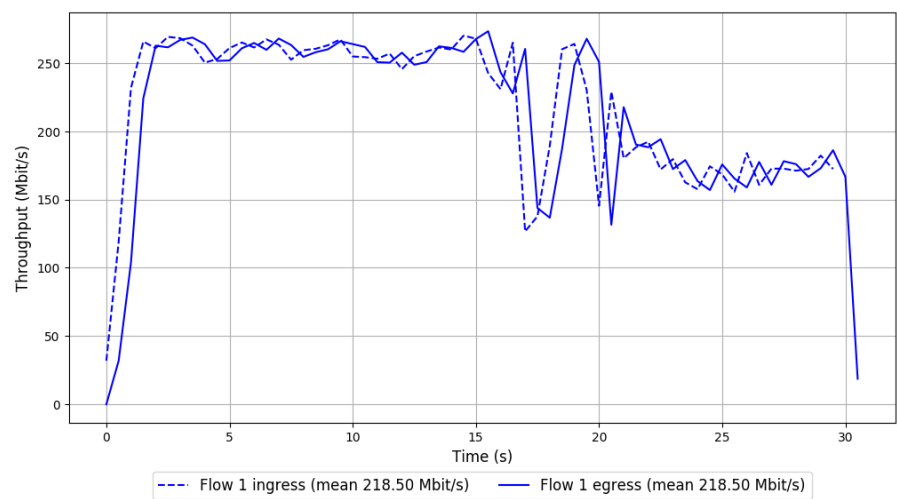
-- Flow 1:

Average throughput: 218.50 Mbit/s

95th percentile per-packet one-way delay: 52.169 ms

Loss rate: 0.00%

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

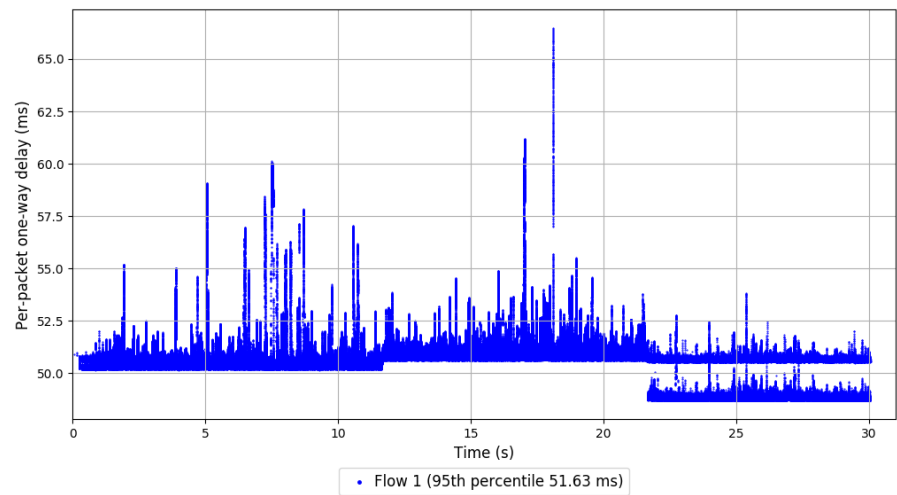
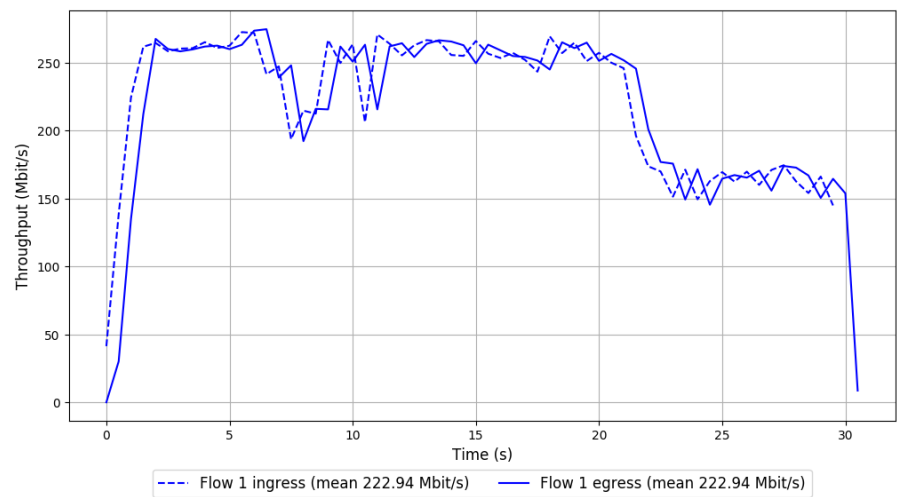


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-26 14:54:30
End at: 2018-07-26 14:55:00
Local clock offset: -0.092 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-26 17:38:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.94 Mbit/s
95th percentile per-packet one-way delay: 51.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.94 Mbit/s
95th percentile per-packet one-way delay: 51.629 ms
Loss rate: 0.00%

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

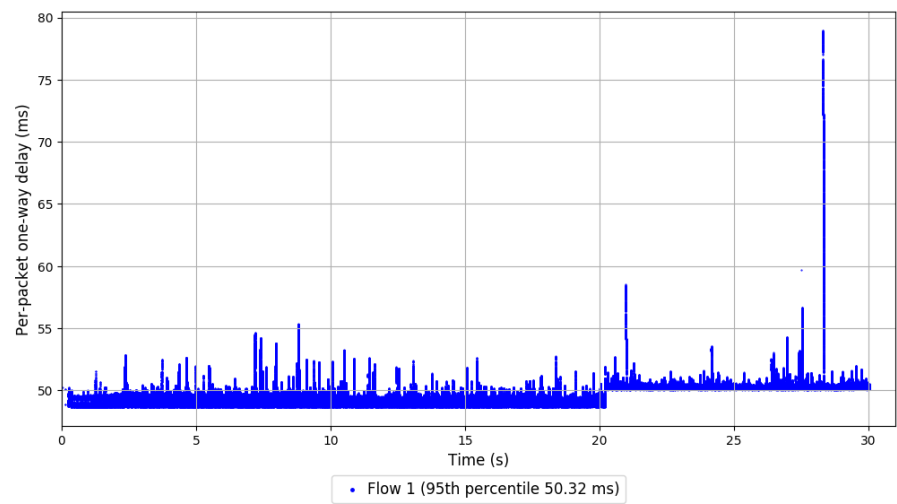
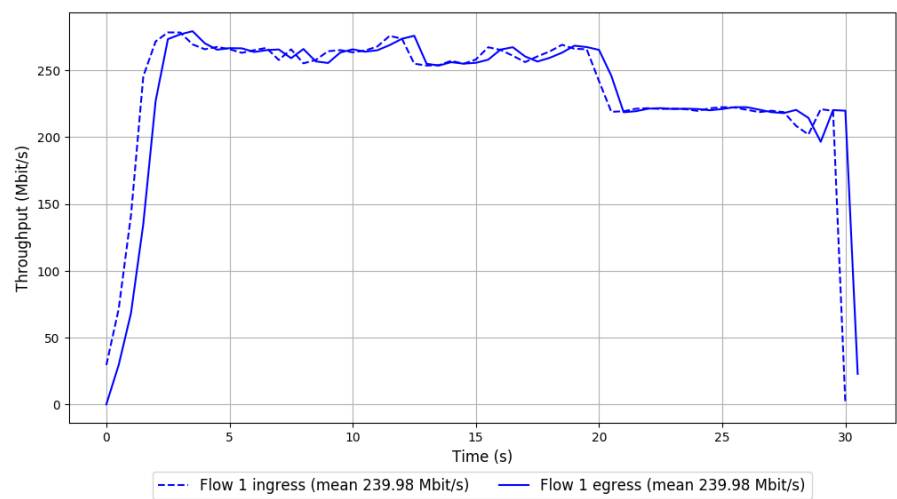


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-26 15:16:31
End at: 2018-07-26 15:17:01
Local clock offset: 0.155 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-26 17:39:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.98 Mbit/s
95th percentile per-packet one-way delay: 50.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.98 Mbit/s
95th percentile per-packet one-way delay: 50.323 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-26 15:38:34

End at: 2018-07-26 15:39:04

Local clock offset: 0.169 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-26 17:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.09 Mbit/s

95th percentile per-packet one-way delay: 50.420 ms

Loss rate: 0.00%

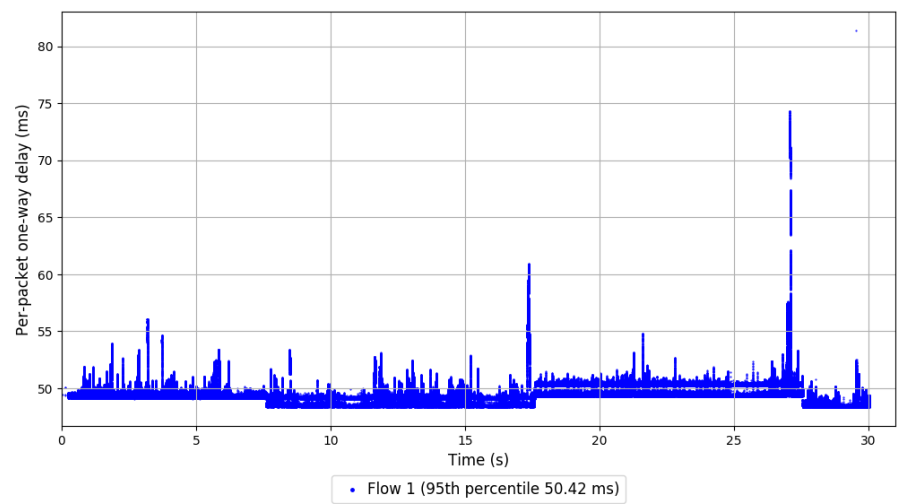
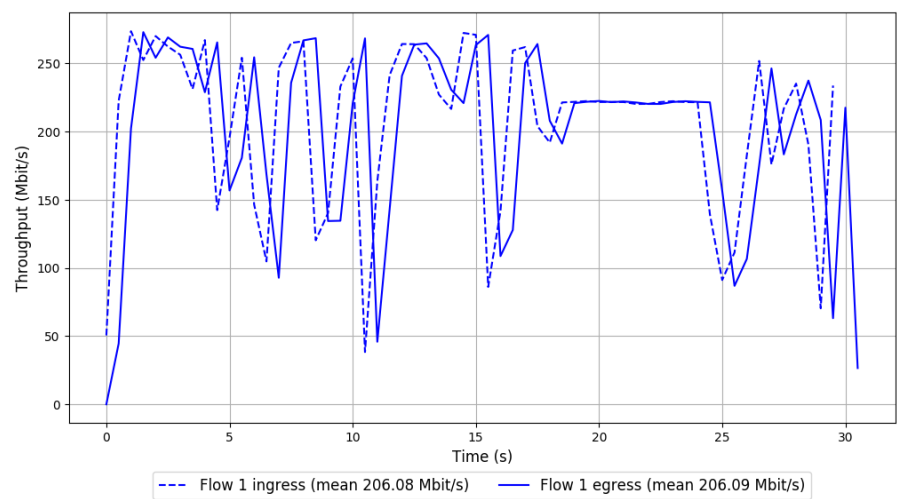
-- Flow 1:

Average throughput: 206.09 Mbit/s

95th percentile per-packet one-way delay: 50.420 ms

Loss rate: 0.00%

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

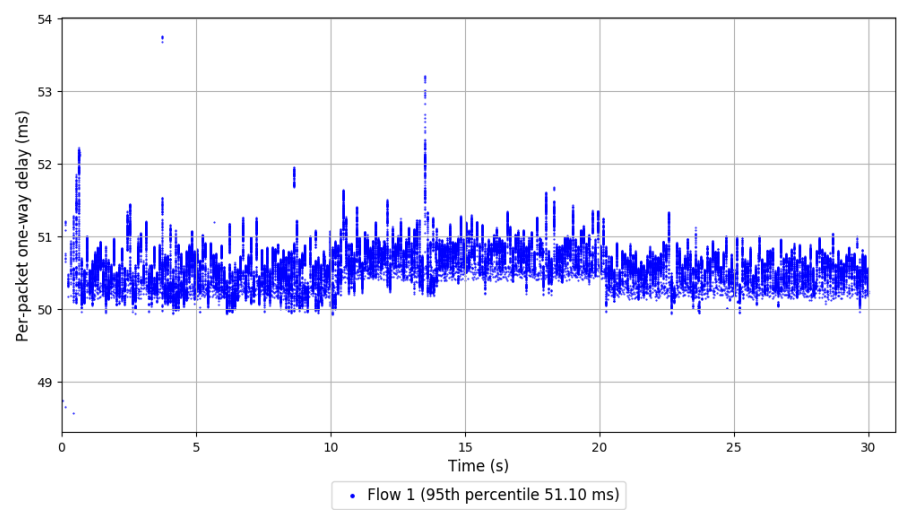
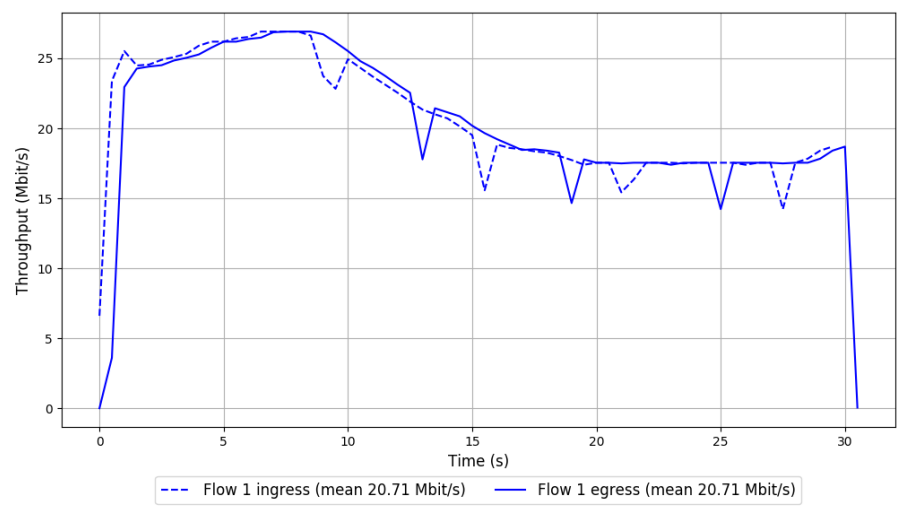


Run 1: Statistics of TCP Vegas

Start at: 2018-07-26 12:32:51
End at: 2018-07-26 12:33:21
Local clock offset: 0.244 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-07-26 17:39:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

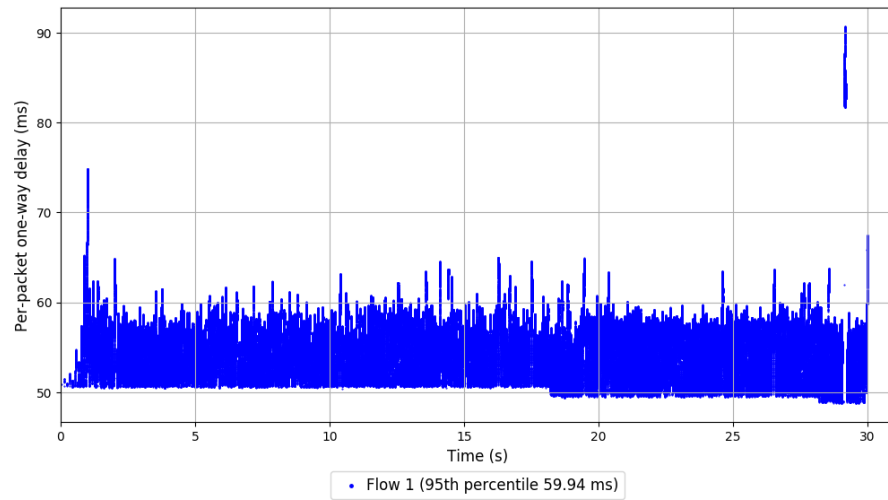
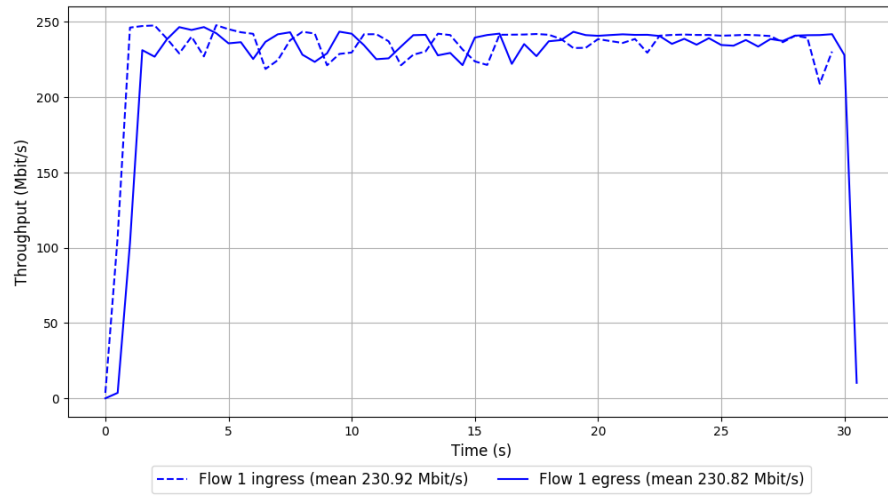


Run 2: Statistics of TCP Vegas

Start at: 2018-07-26 12:54:43
End at: 2018-07-26 12:55:13
Local clock offset: -0.088 ms
Remote clock offset: -0.633 ms

Below is generated by plot.py at 2018-07-26 17:39:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.82 Mbit/s
95th percentile per-packet one-way delay: 59.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.82 Mbit/s
95th percentile per-packet one-way delay: 59.943 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

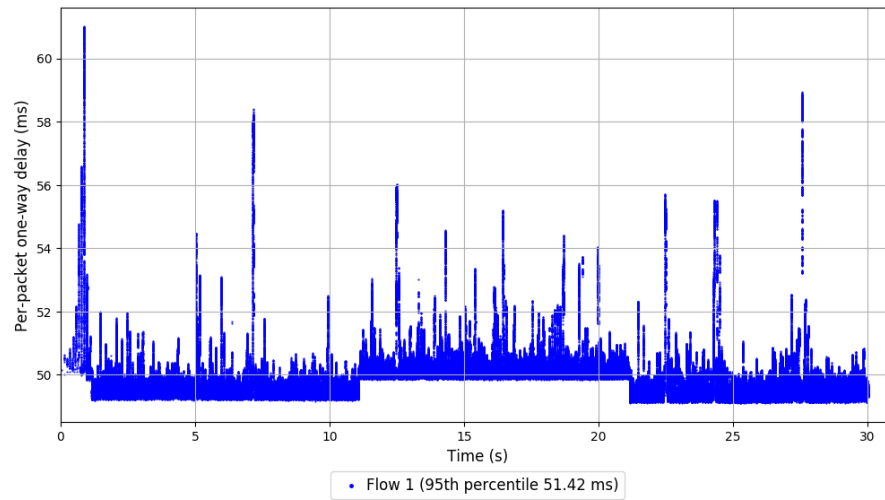
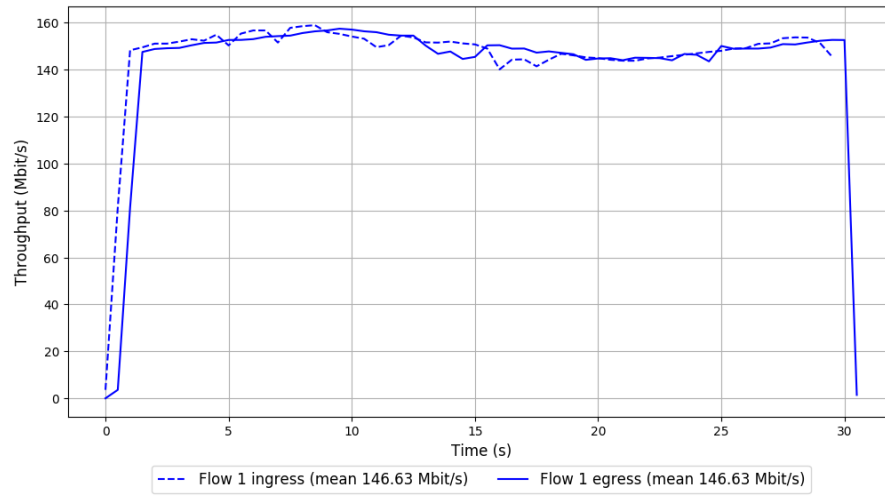


Run 3: Statistics of TCP Vegas

Start at: 2018-07-26 13:17:00
End at: 2018-07-26 13:17:30
Local clock offset: 0.144 ms
Remote clock offset: -0.795 ms

Below is generated by plot.py at 2018-07-26 17:39:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.63 Mbit/s
95th percentile per-packet one-way delay: 51.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.63 Mbit/s
95th percentile per-packet one-way delay: 51.417 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

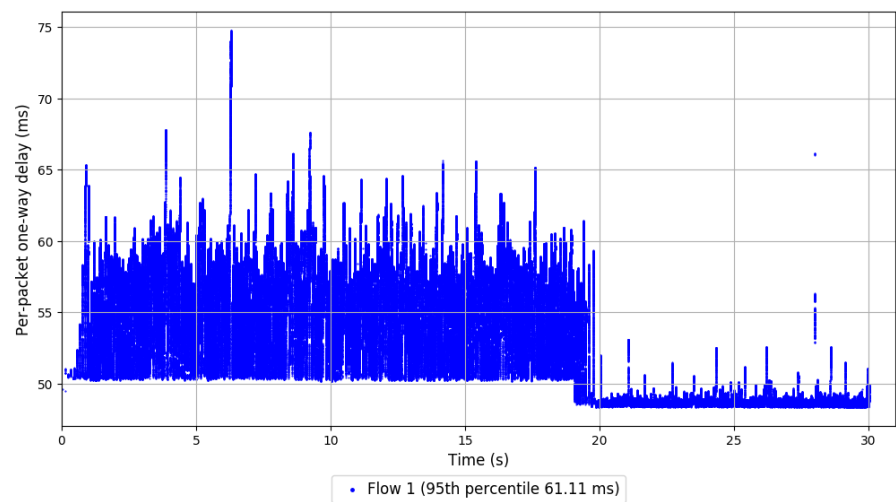
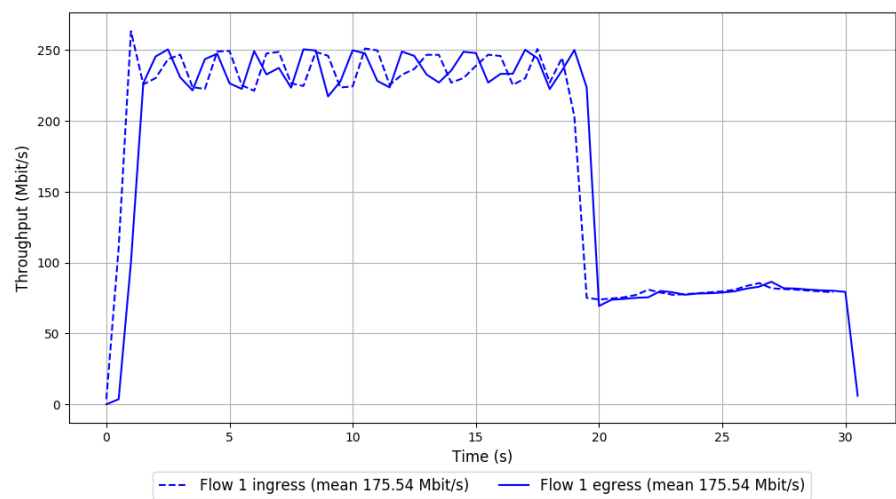


Run 4: Statistics of TCP Vegas

Start at: 2018-07-26 13:39:02
End at: 2018-07-26 13:39:32
Local clock offset: 0.278 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-07-26 17:39:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 61.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 61.109 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-26 14:01:03

End at: 2018-07-26 14:01:33

Local clock offset: 0.074 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-26 17:39:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 51.890 ms

Loss rate: 0.00%

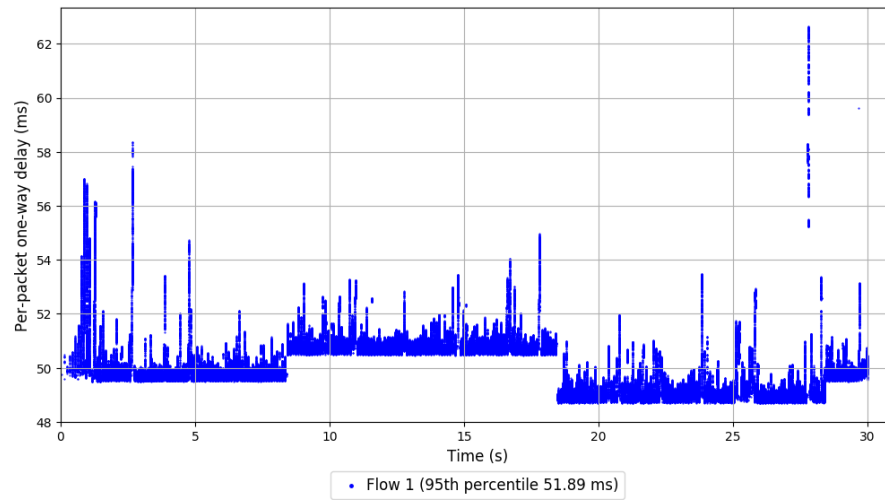
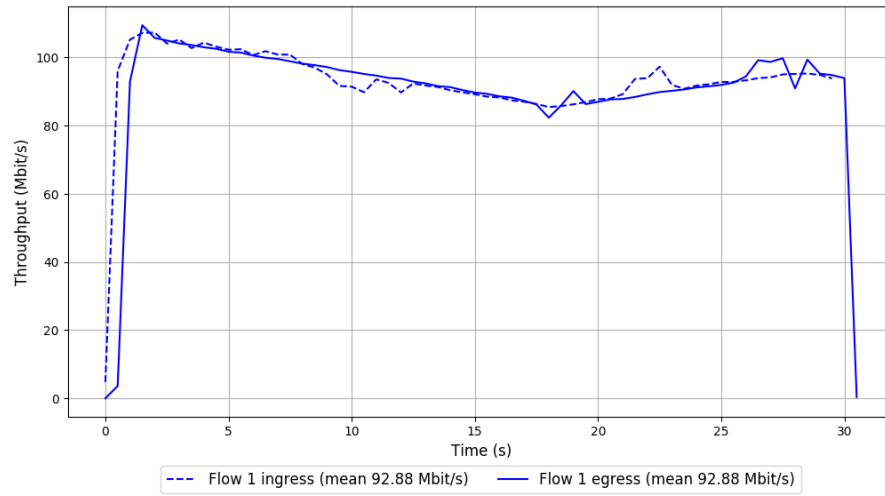
-- Flow 1:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 51.890 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-26 14:23:21

End at: 2018-07-26 14:23:51

Local clock offset: 0.529 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-26 17:40:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.31 Mbit/s

95th percentile per-packet one-way delay: 59.179 ms

Loss rate: 0.00%

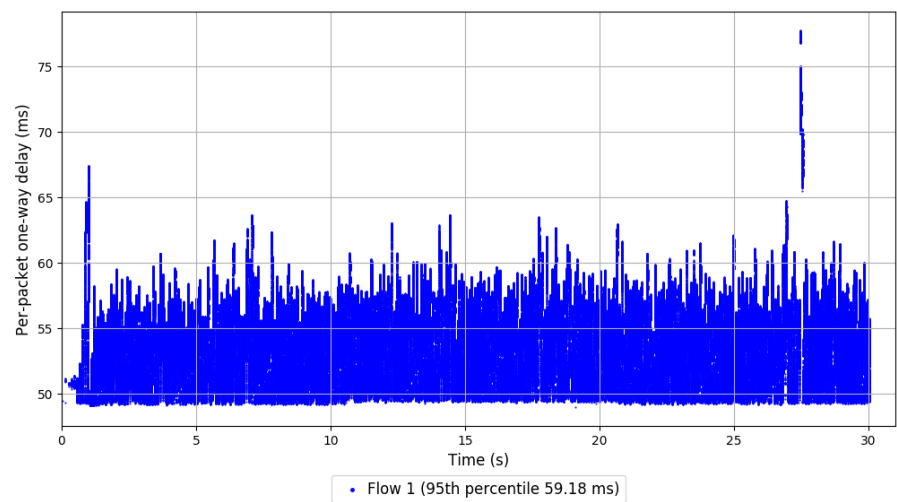
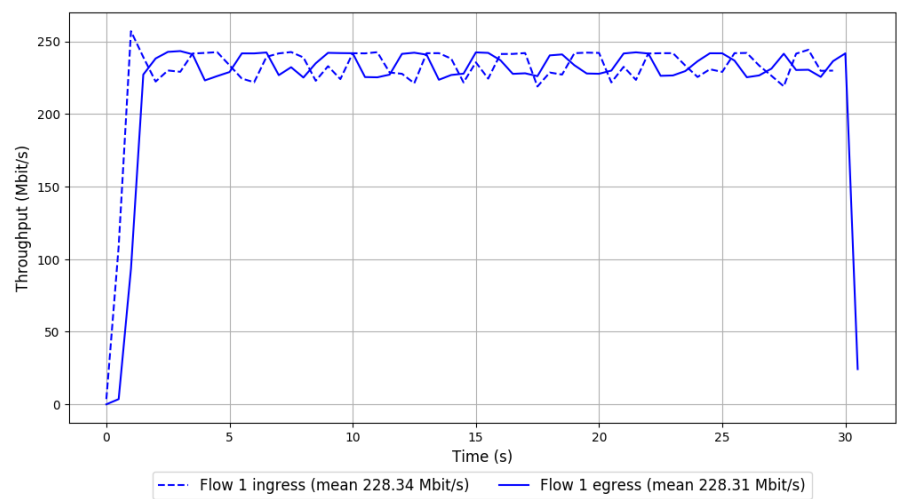
-- Flow 1:

Average throughput: 228.31 Mbit/s

95th percentile per-packet one-way delay: 59.179 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-26 14:45:26

End at: 2018-07-26 14:45:56

Local clock offset: 0.012 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-26 17:40:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 51.622 ms

Loss rate: 0.00%

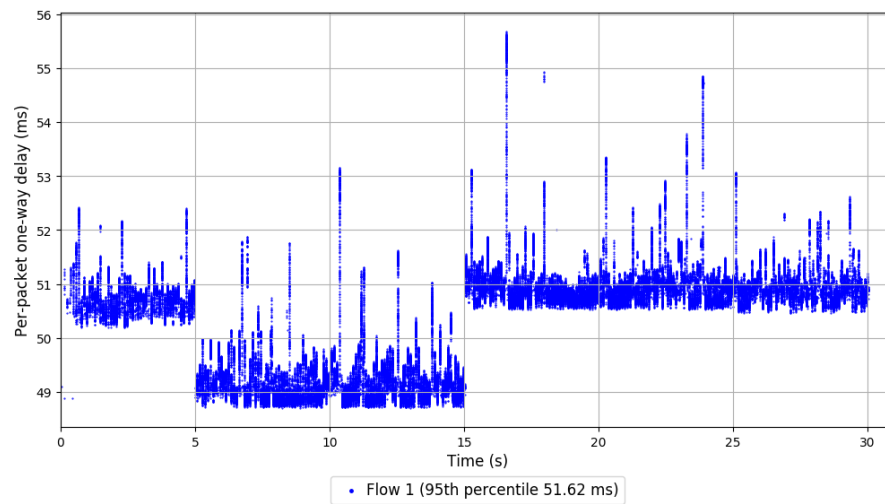
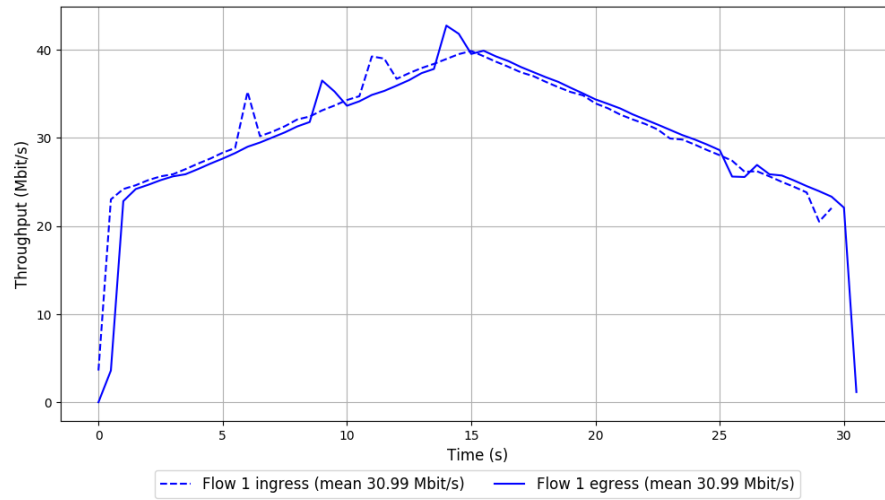
-- Flow 1:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 51.622 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

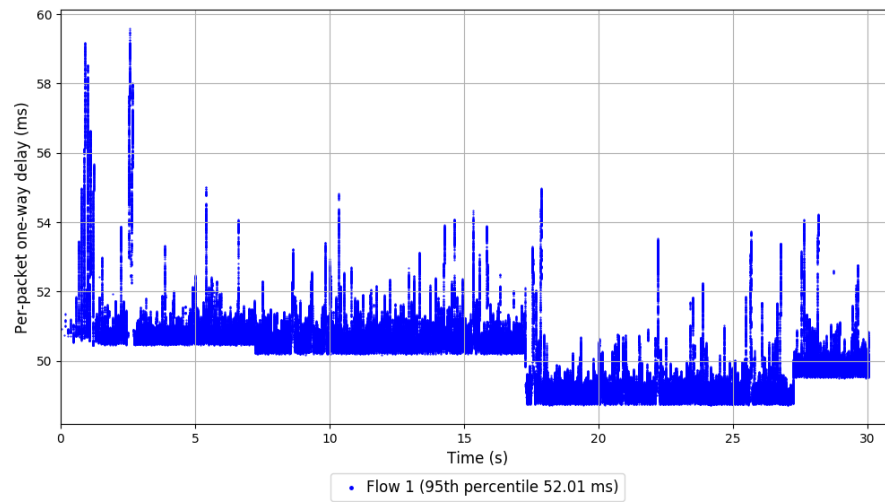
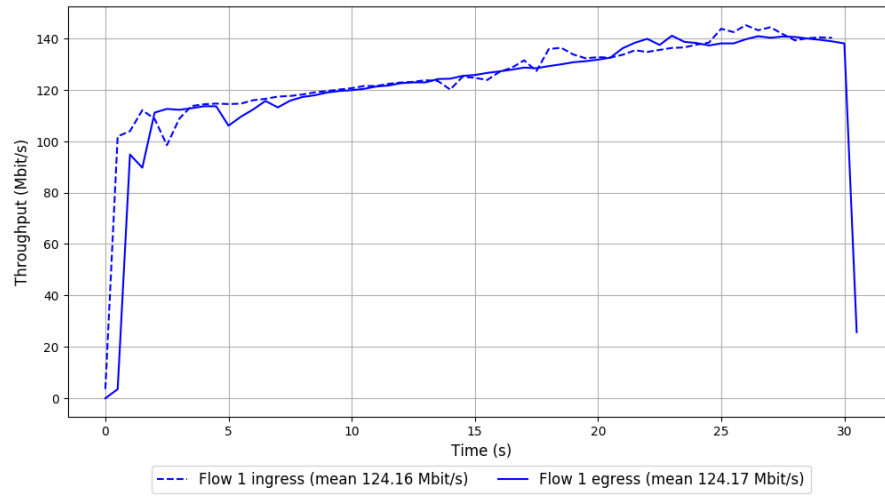


Run 8: Statistics of TCP Vegas

Start at: 2018-07-26 15:07:34
End at: 2018-07-26 15:08:04
Local clock offset: -0.152 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-26 17:40:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.17 Mbit/s
95th percentile per-packet one-way delay: 52.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.17 Mbit/s
95th percentile per-packet one-way delay: 52.013 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

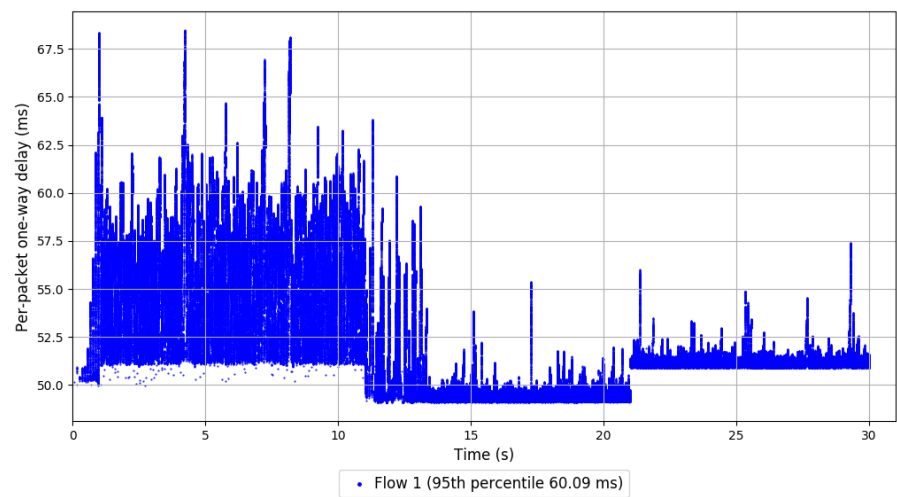
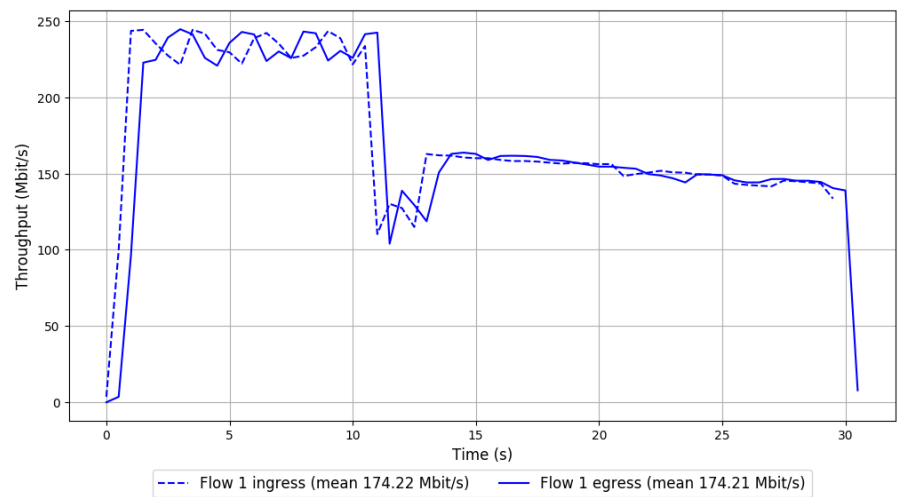


Run 9: Statistics of TCP Vegas

Start at: 2018-07-26 15:29:40
End at: 2018-07-26 15:30:10
Local clock offset: -0.513 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-26 17:41:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.21 Mbit/s
95th percentile per-packet one-way delay: 60.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.21 Mbit/s
95th percentile per-packet one-way delay: 60.088 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-26 15:51:44

End at: 2018-07-26 15:52:14

Local clock offset: 0.168 ms

Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-26 17:41:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 51.834 ms

Loss rate: 0.00%

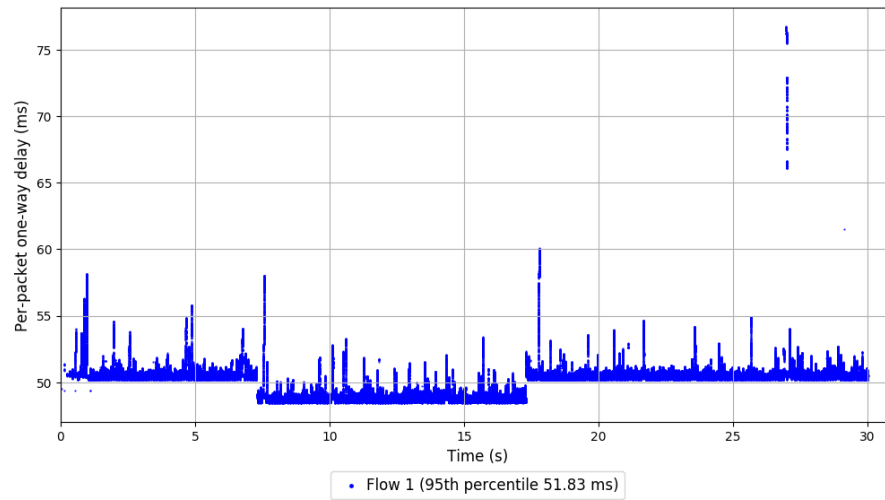
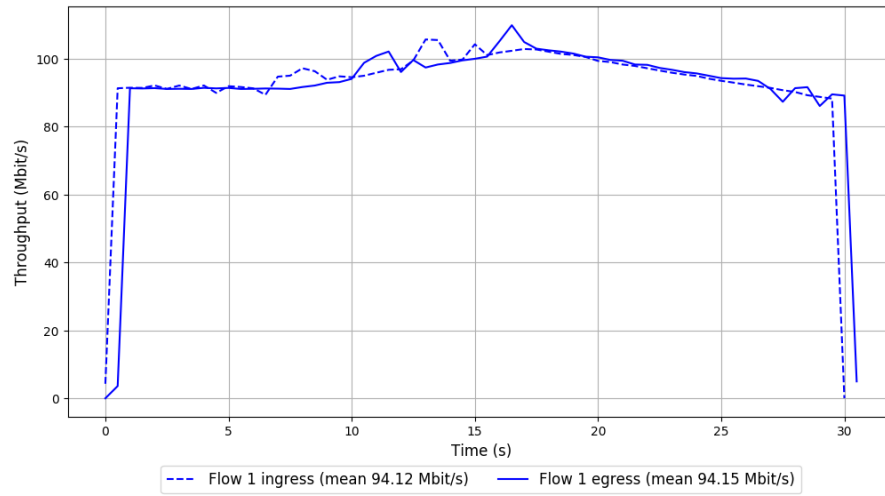
-- Flow 1:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 51.834 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

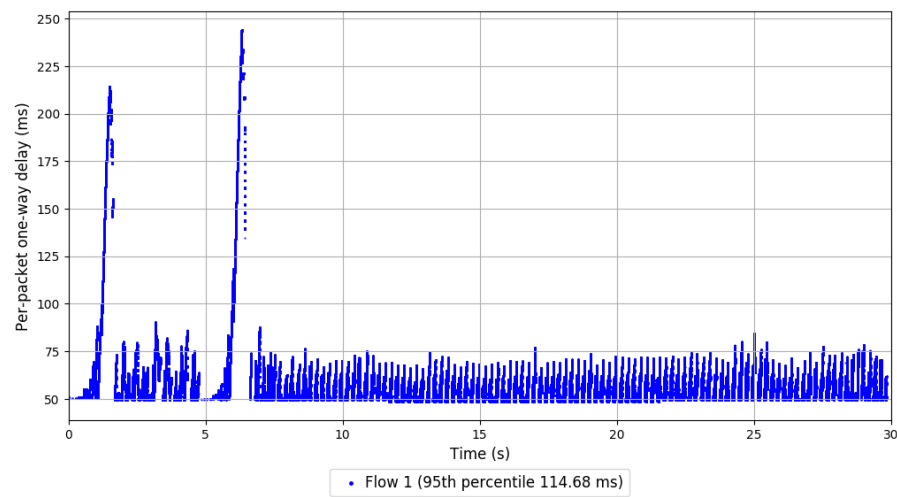
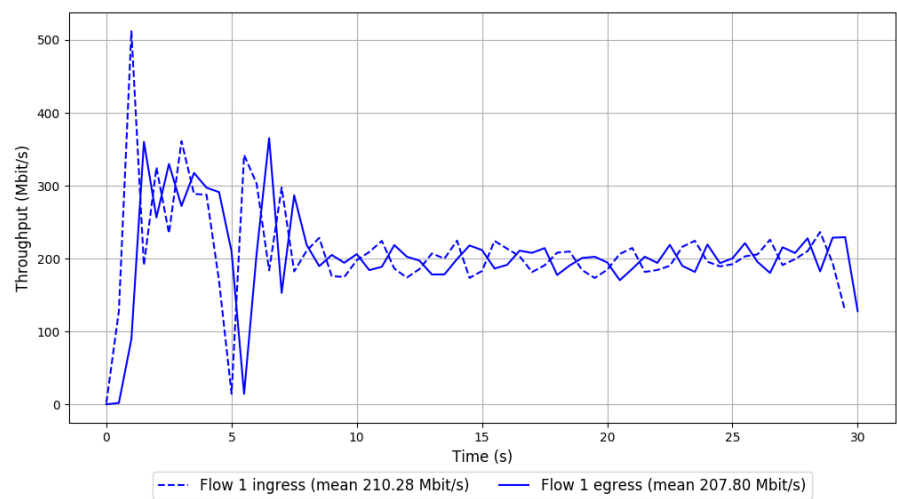


Run 1: Statistics of Verus

Start at: 2018-07-26 12:22:30
End at: 2018-07-26 12:23:00
Local clock offset: 0.264 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-26 17:42:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.80 Mbit/s
95th percentile per-packet one-way delay: 114.681 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 207.80 Mbit/s
95th percentile per-packet one-way delay: 114.681 ms
Loss rate: 1.18%

Run 1: Report of Verus — Data Link

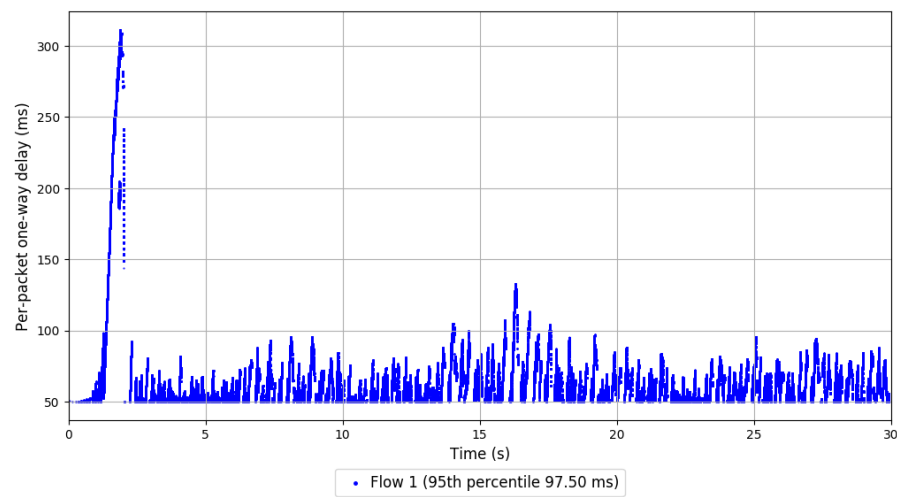
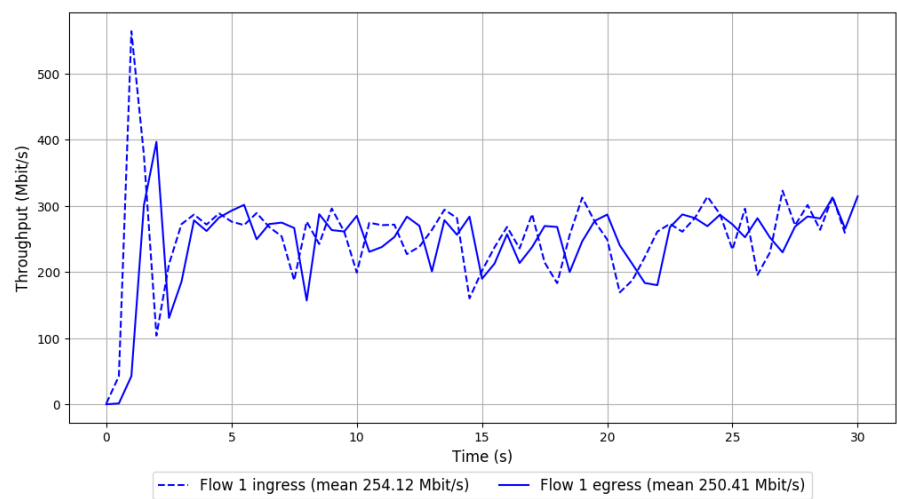


Run 2: Statistics of Verus

Start at: 2018-07-26 12:44:19
End at: 2018-07-26 12:44:49
Local clock offset: 0.296 ms
Remote clock offset: -0.546 ms

Below is generated by plot.py at 2018-07-26 17:42:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.41 Mbit/s
95th percentile per-packet one-way delay: 97.505 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 250.41 Mbit/s
95th percentile per-packet one-way delay: 97.505 ms
Loss rate: 1.46%

Run 2: Report of Verus — Data Link

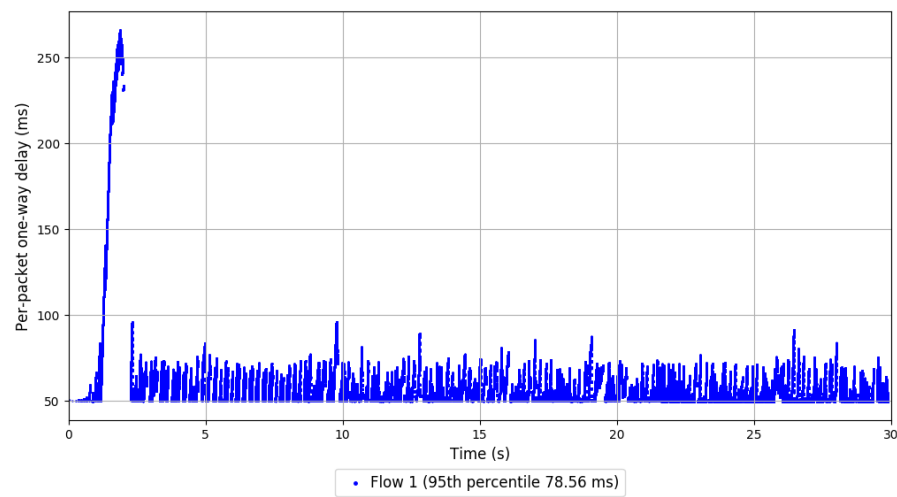
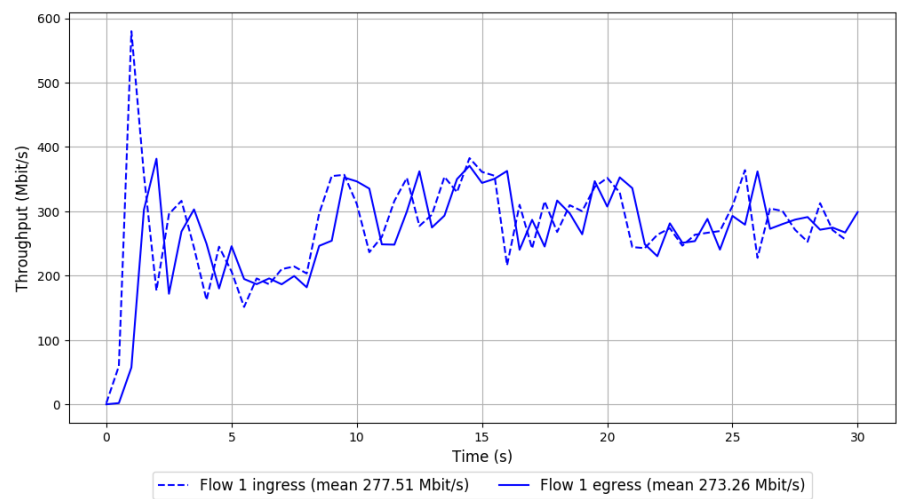


Run 3: Statistics of Verus

Start at: 2018-07-26 13:06:30
End at: 2018-07-26 13:07:00
Local clock offset: 0.204 ms
Remote clock offset: -0.698 ms

Below is generated by plot.py at 2018-07-26 17:43:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.26 Mbit/s
95th percentile per-packet one-way delay: 78.555 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 273.26 Mbit/s
95th percentile per-packet one-way delay: 78.555 ms
Loss rate: 1.52%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

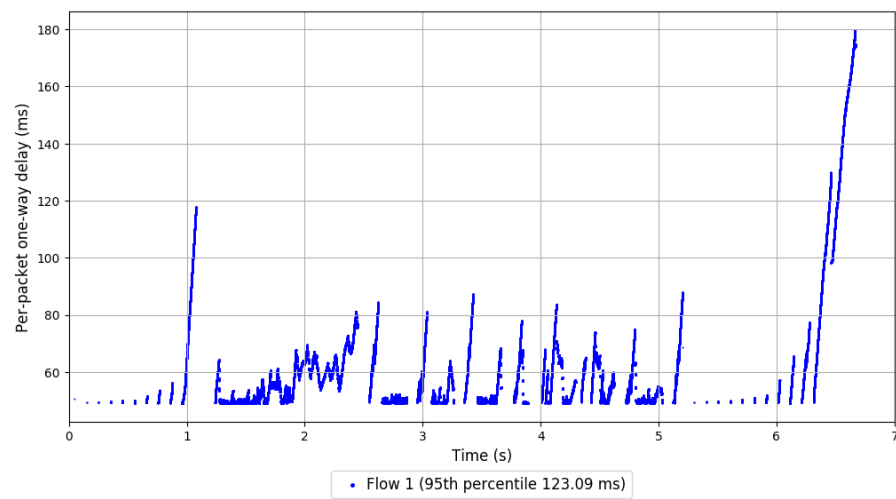
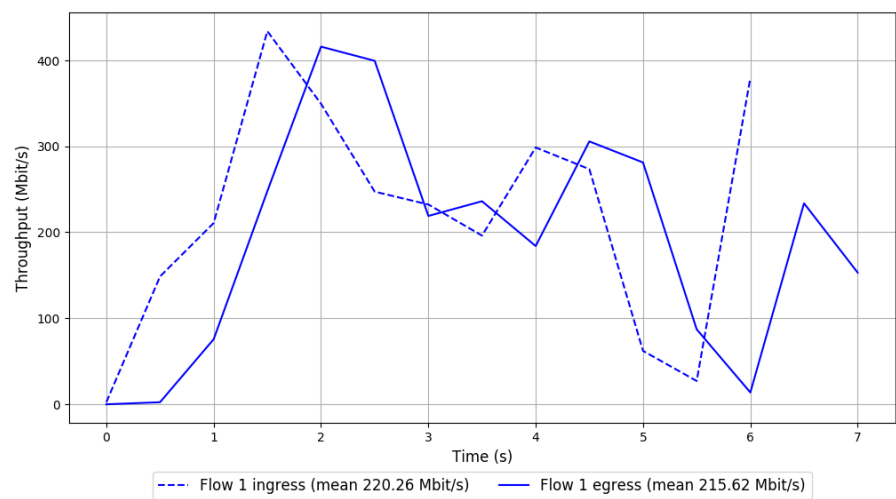
Start at: 2018-07-26 13:28:41

End at: 2018-07-26 13:29:11

Local clock offset: 0.196 ms

Remote clock offset: -0.923 ms

Run 4: Report of Verus — Data Link

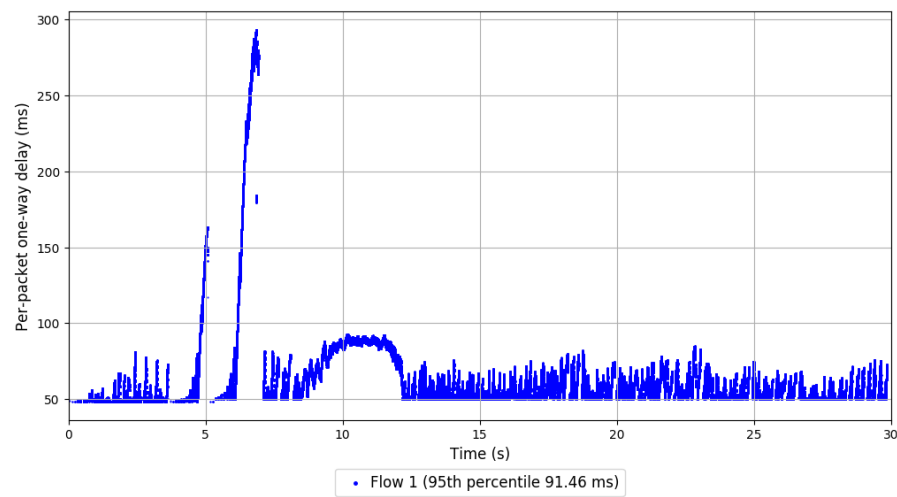
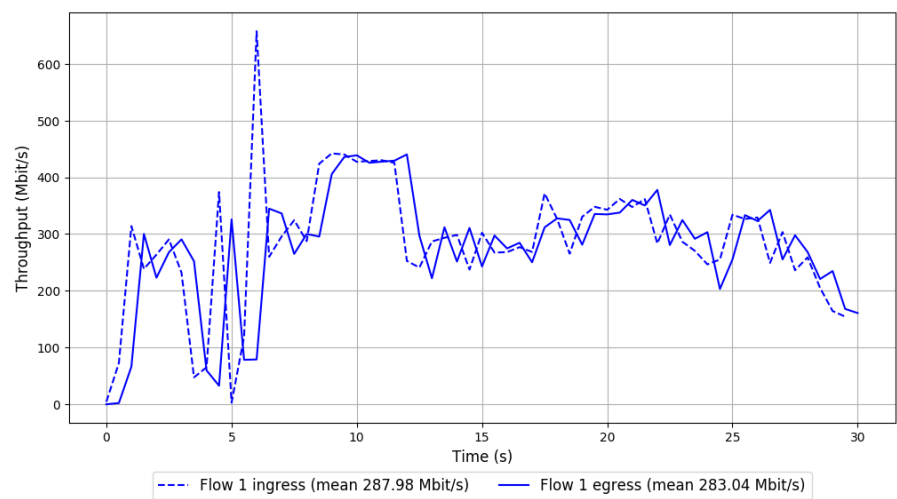


Run 5: Statistics of Verus

Start at: 2018-07-26 13:50:36
End at: 2018-07-26 13:51:06
Local clock offset: 0.416 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-26 17:45:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.04 Mbit/s
95th percentile per-packet one-way delay: 91.462 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 283.04 Mbit/s
95th percentile per-packet one-way delay: 91.462 ms
Loss rate: 1.65%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-26 14:12:51

End at: 2018-07-26 14:13:21

Local clock offset: 0.055 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-26 17:45:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.75 Mbit/s

95th percentile per-packet one-way delay: 215.820 ms

Loss rate: 1.50%

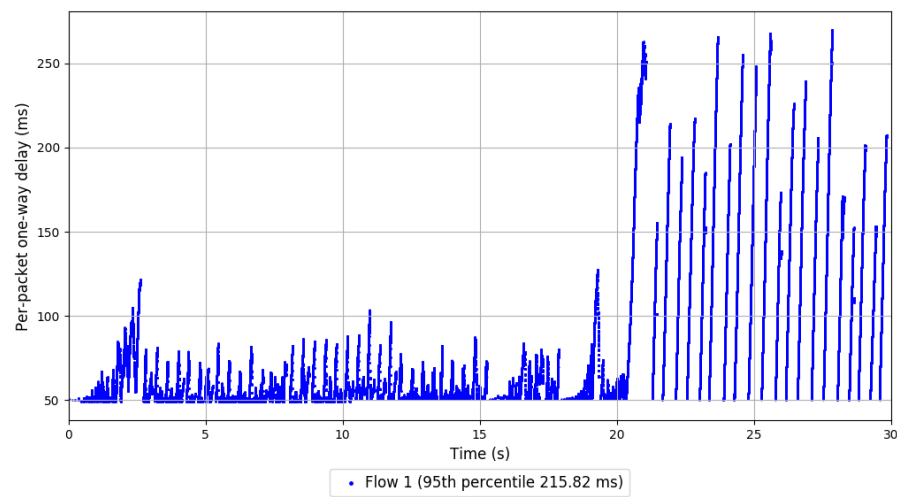
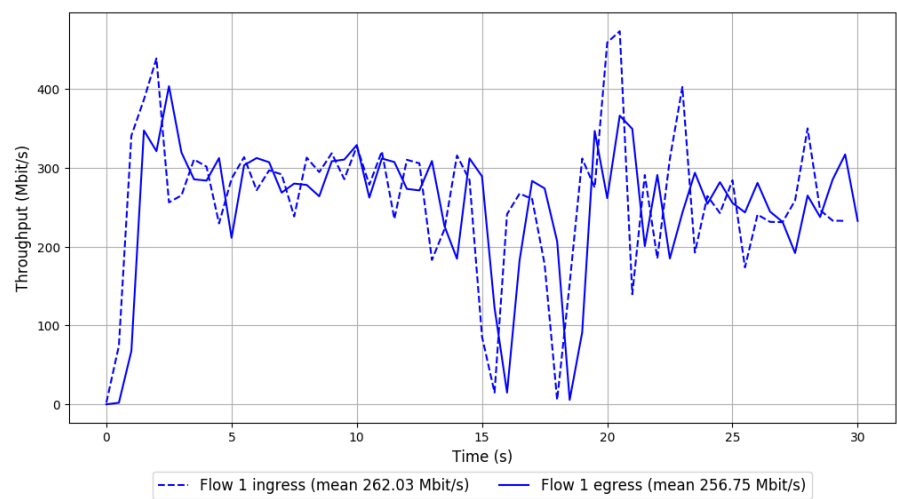
-- Flow 1:

Average throughput: 256.75 Mbit/s

95th percentile per-packet one-way delay: 215.820 ms

Loss rate: 1.50%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-26 14:35:01

End at: 2018-07-26 14:35:31

Local clock offset: 0.208 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-26 17:45:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.99 Mbit/s

95th percentile per-packet one-way delay: 86.798 ms

Loss rate: 0.15%

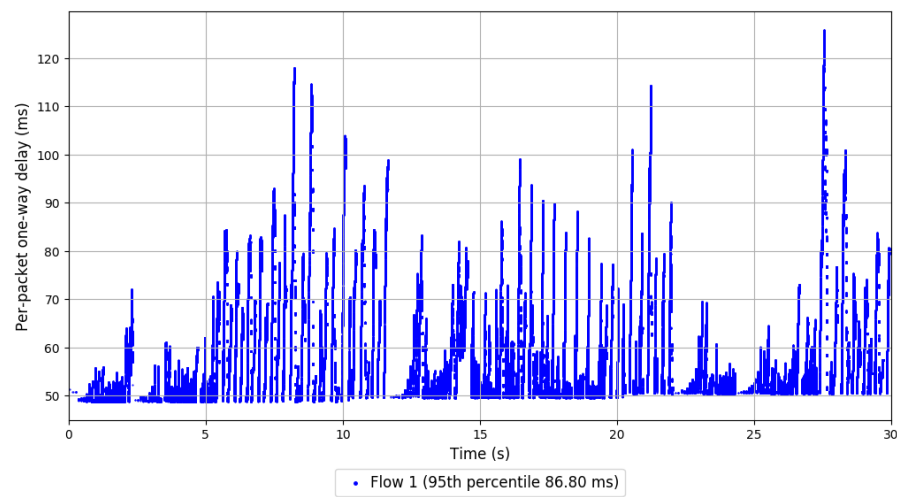
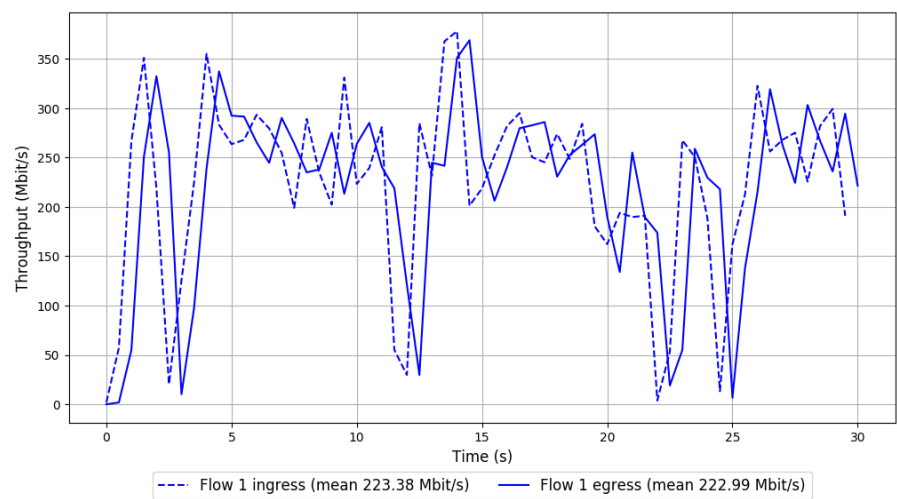
-- Flow 1:

Average throughput: 222.99 Mbit/s

95th percentile per-packet one-way delay: 86.798 ms

Loss rate: 0.15%

Run 7: Report of Verus — Data Link

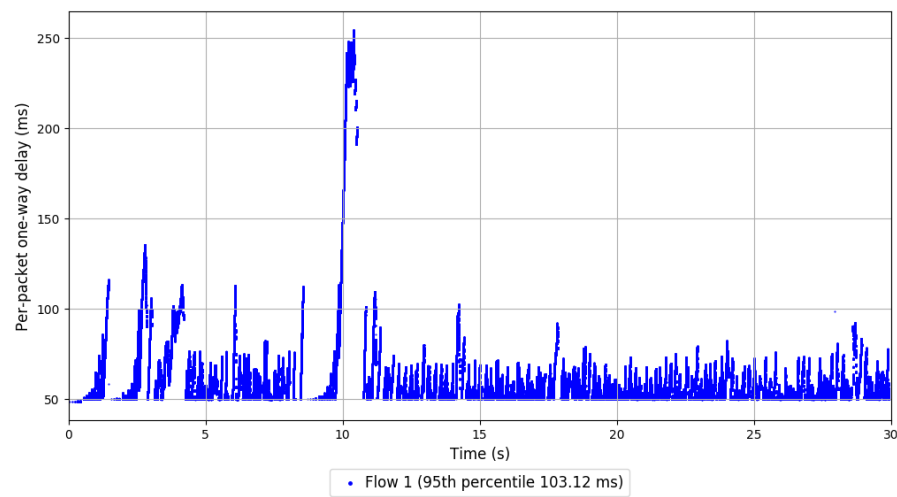
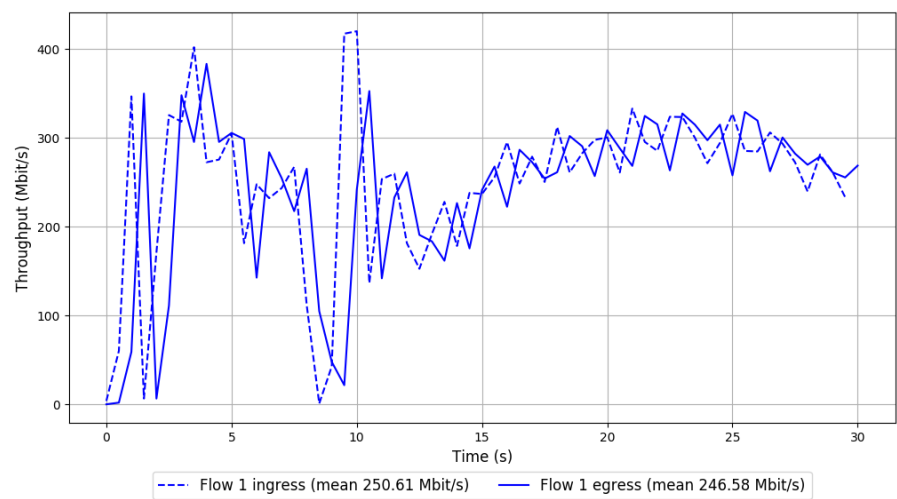


Run 8: Statistics of Verus

Start at: 2018-07-26 14:57:11
End at: 2018-07-26 14:57:41
Local clock offset: 0.241 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-26 17:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.58 Mbit/s
95th percentile per-packet one-way delay: 103.118 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 246.58 Mbit/s
95th percentile per-packet one-way delay: 103.118 ms
Loss rate: 1.59%

Run 8: Report of Verus — Data Link

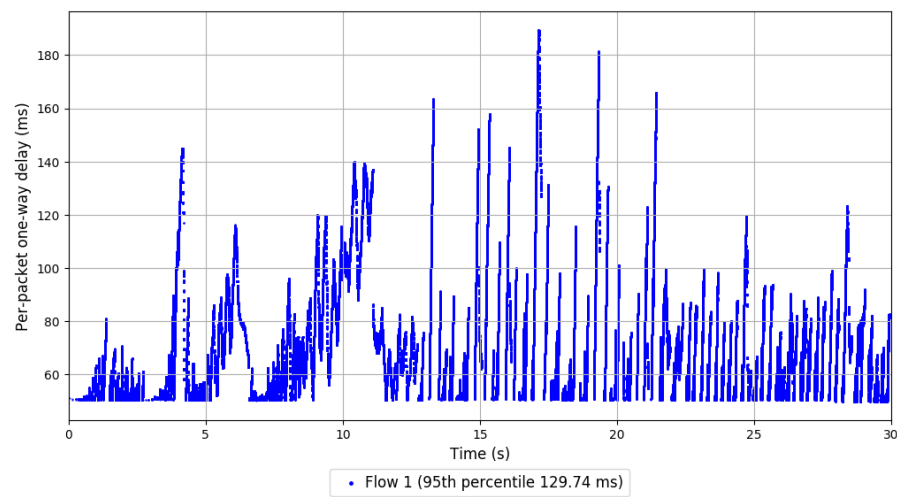
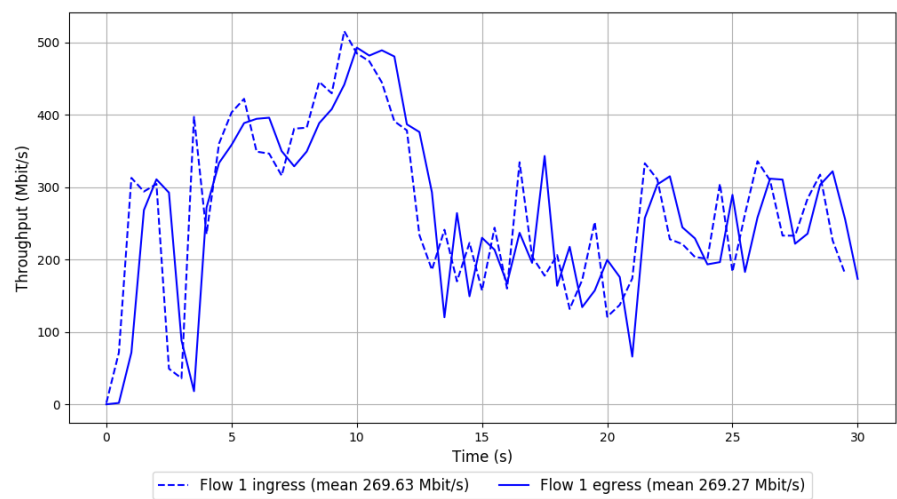


Run 9: Statistics of Verus

Start at: 2018-07-26 15:19:13
End at: 2018-07-26 15:19:43
Local clock offset: -0.163 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-26 17:46:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.27 Mbit/s
95th percentile per-packet one-way delay: 129.742 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 269.27 Mbit/s
95th percentile per-packet one-way delay: 129.742 ms
Loss rate: 0.13%

Run 9: Report of Verus — Data Link

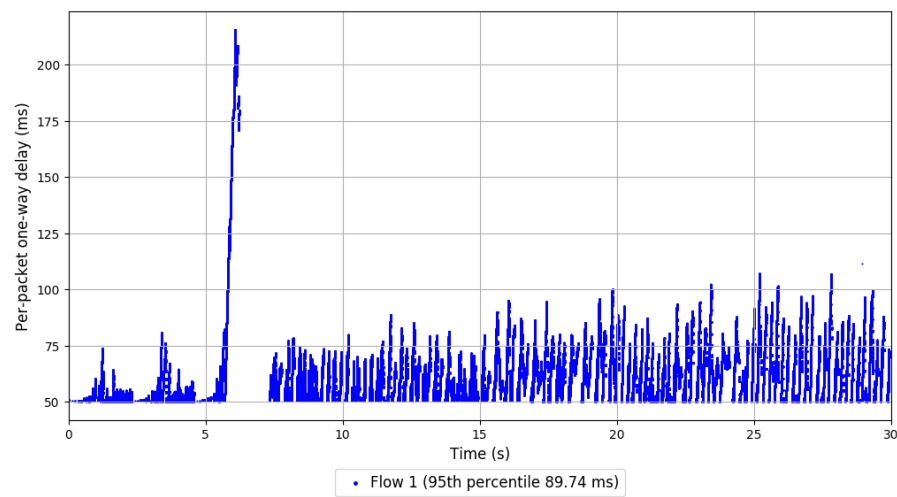
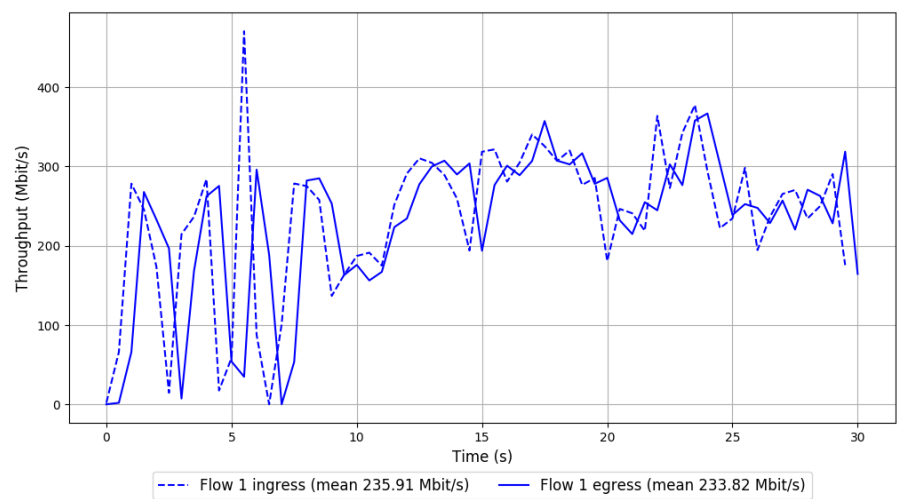


Run 10: Statistics of Verus

Start at: 2018-07-26 15:41:15
End at: 2018-07-26 15:41:45
Local clock offset: 0.215 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-26 17:46:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.82 Mbit/s
95th percentile per-packet one-way delay: 89.742 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 233.82 Mbit/s
95th percentile per-packet one-way delay: 89.742 ms
Loss rate: 0.88%

Run 10: Report of Verus — Data Link

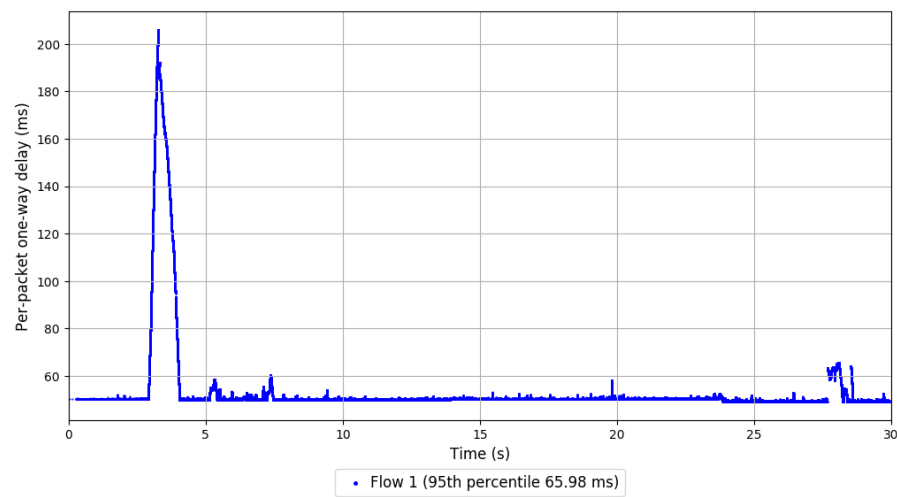
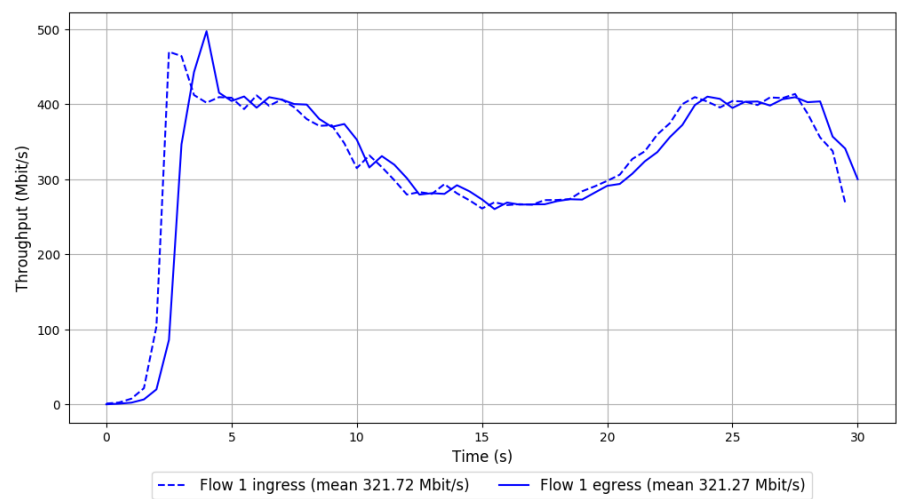


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-26 12:30:17
End at: 2018-07-26 12:30:47
Local clock offset: 0.278 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-07-26 17:48:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.27 Mbit/s
95th percentile per-packet one-way delay: 65.980 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 321.27 Mbit/s
95th percentile per-packet one-way delay: 65.980 ms
Loss rate: 0.14%

Run 1: Report of PCC-Vivace — Data Link

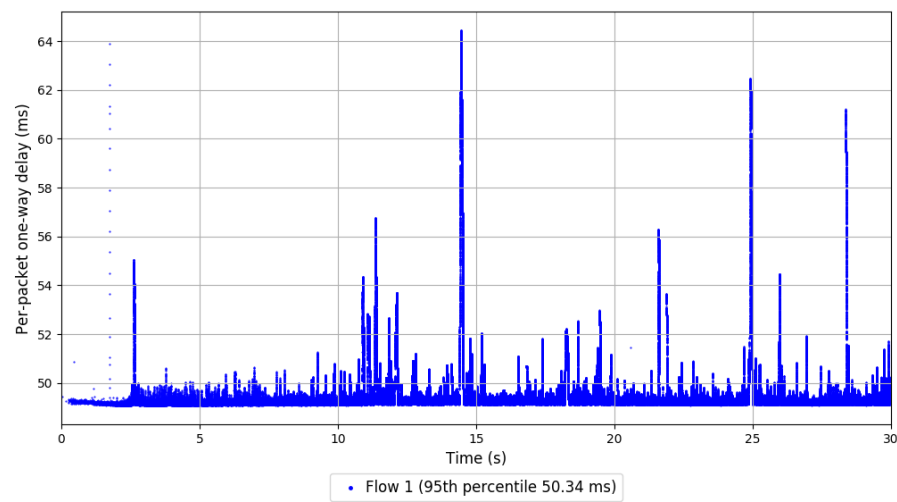
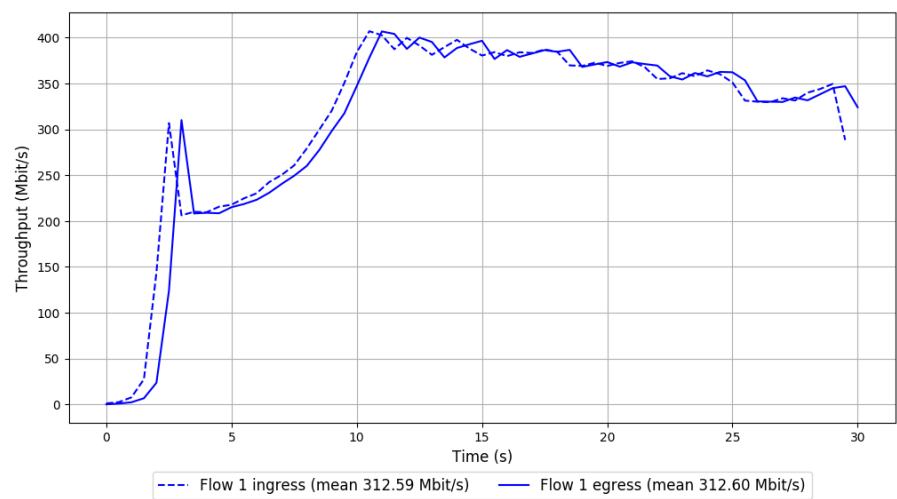


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-26 12:52:10
End at: 2018-07-26 12:52:40
Local clock offset: 0.263 ms
Remote clock offset: -0.553 ms

Below is generated by plot.py at 2018-07-26 17:49:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 312.60 Mbit/s
95th percentile per-packet one-way delay: 50.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 312.60 Mbit/s
95th percentile per-packet one-way delay: 50.335 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-26 13:14:25

End at: 2018-07-26 13:14:55

Local clock offset: 0.146 ms

Remote clock offset: -0.78 ms

Below is generated by plot.py at 2018-07-26 17:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.39 Mbit/s

95th percentile per-packet one-way delay: 62.361 ms

Loss rate: 0.00%

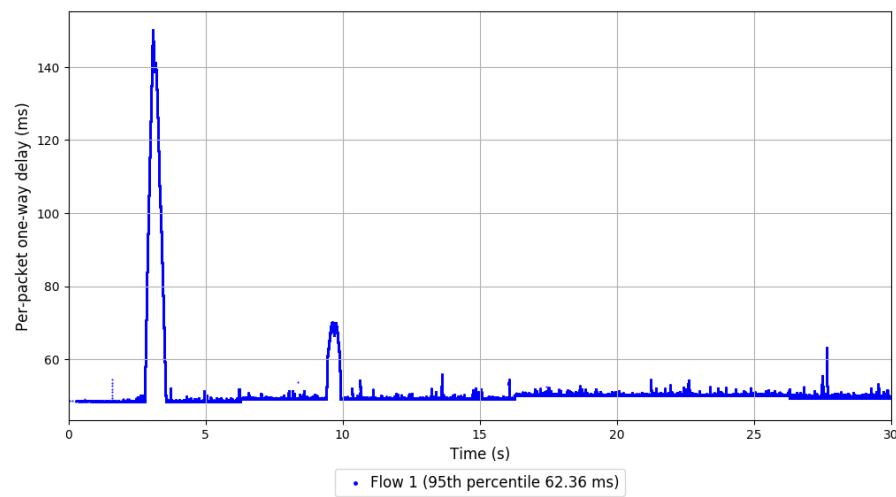
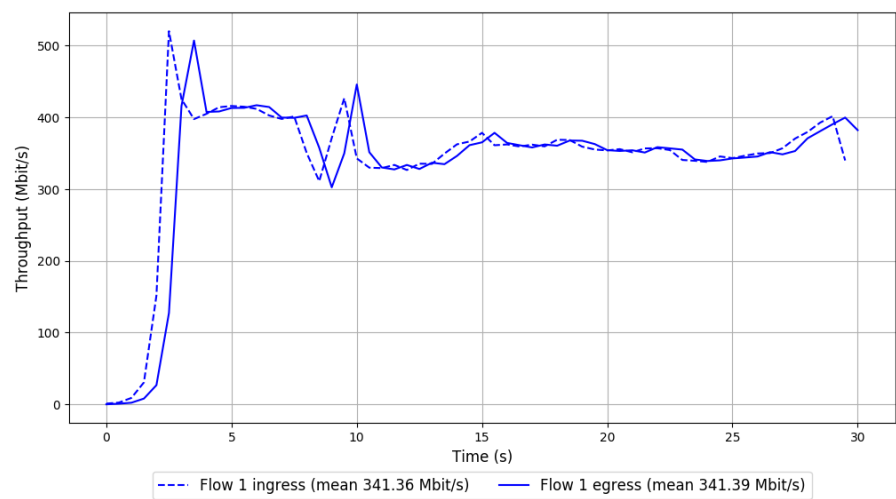
-- Flow 1:

Average throughput: 341.39 Mbit/s

95th percentile per-packet one-way delay: 62.361 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

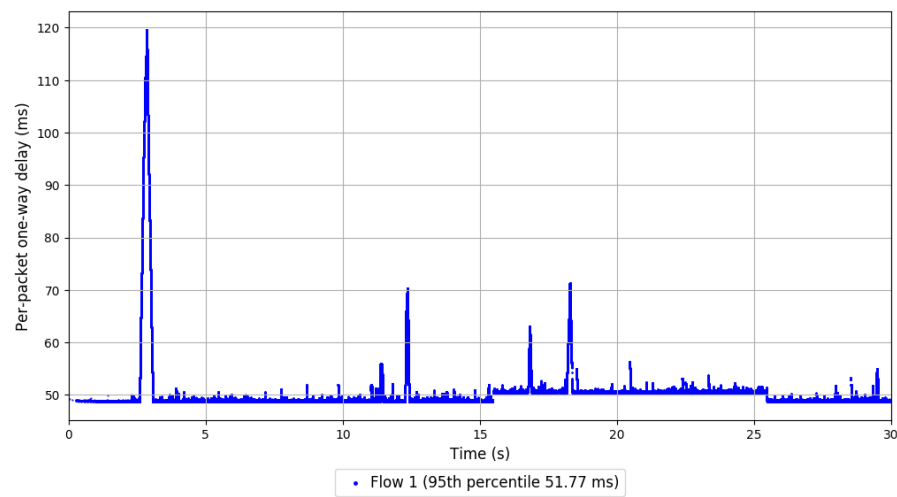
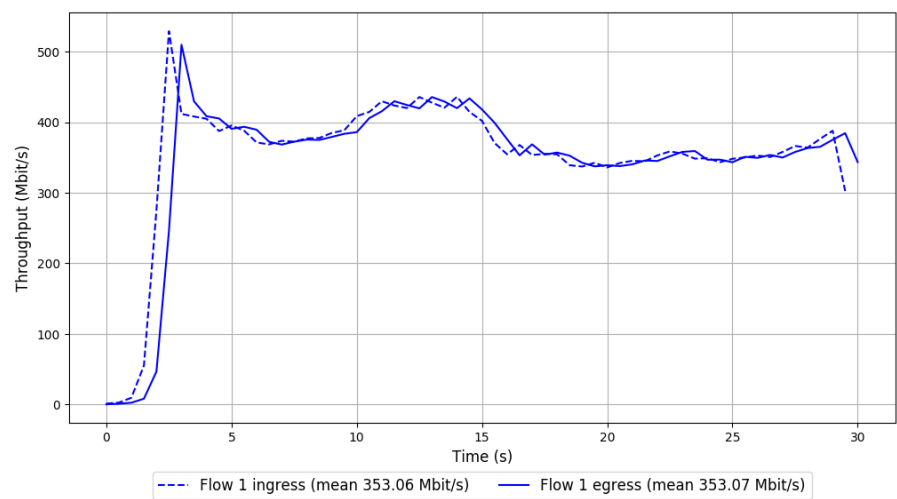


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-26 13:36:26
End at: 2018-07-26 13:36:56
Local clock offset: -0.101 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-07-26 17:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 353.07 Mbit/s
95th percentile per-packet one-way delay: 51.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 353.07 Mbit/s
95th percentile per-packet one-way delay: 51.768 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-26 13:58:28

End at: 2018-07-26 13:58:58

Local clock offset: 0.435 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-26 17:51:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.42 Mbit/s

95th percentile per-packet one-way delay: 56.727 ms

Loss rate: 0.01%

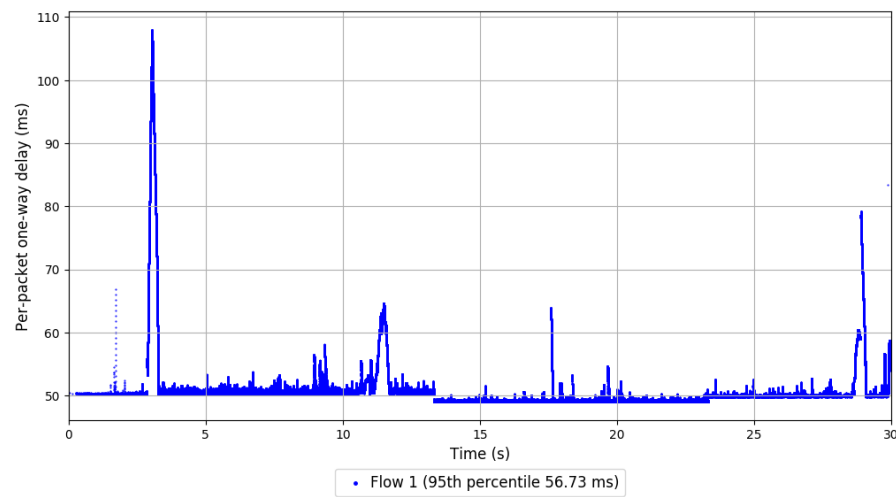
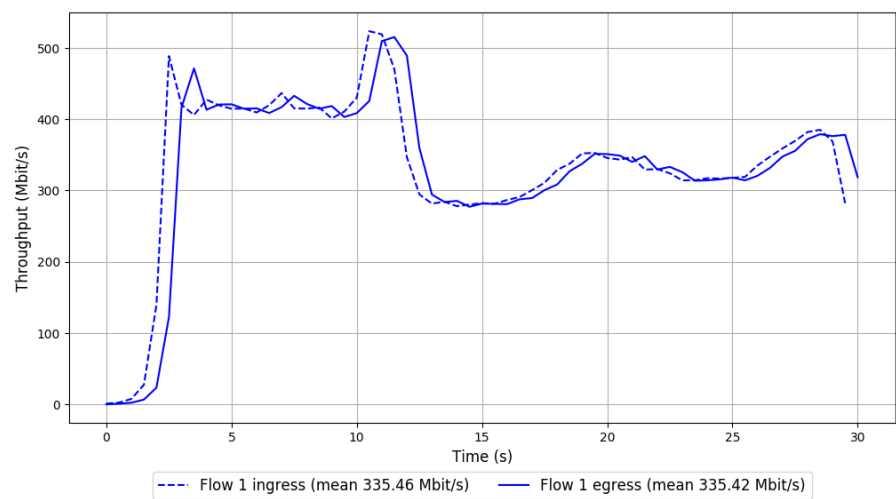
-- Flow 1:

Average throughput: 335.42 Mbit/s

95th percentile per-packet one-way delay: 56.727 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-26 14:20:47

End at: 2018-07-26 14:21:17

Local clock offset: 0.477 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-26 17:51:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.49 Mbit/s

95th percentile per-packet one-way delay: 52.635 ms

Loss rate: 0.00%

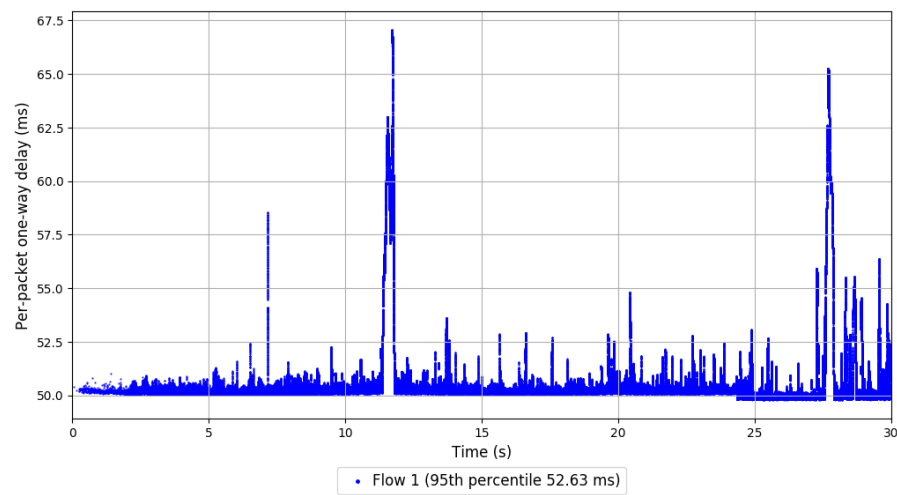
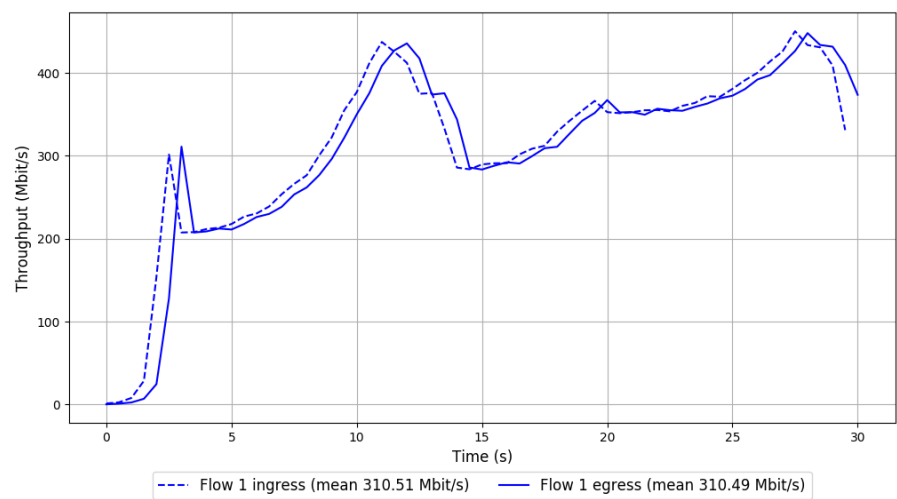
-- Flow 1:

Average throughput: 310.49 Mbit/s

95th percentile per-packet one-way delay: 52.635 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-26 14:42:51

End at: 2018-07-26 14:43:21

Local clock offset: 0.415 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-26 17:51:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.87 Mbit/s

95th percentile per-packet one-way delay: 177.577 ms

Loss rate: 0.65%

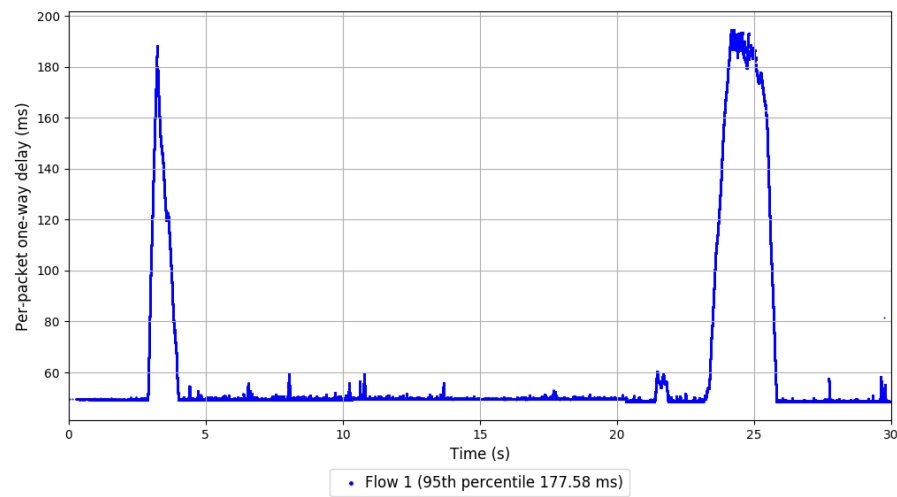
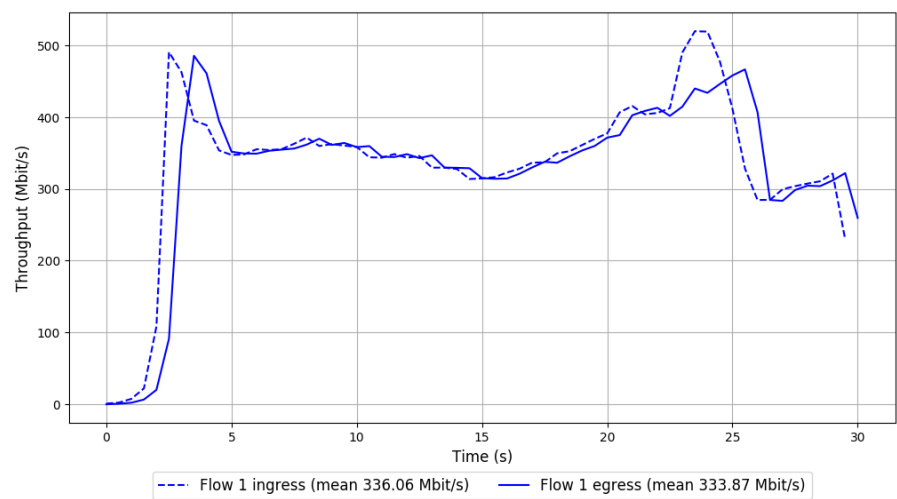
-- Flow 1:

Average throughput: 333.87 Mbit/s

95th percentile per-packet one-way delay: 177.577 ms

Loss rate: 0.65%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-26 15:05:04

End at: 2018-07-26 15:05:34

Local clock offset: 0.186 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-26 17:51:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.75 Mbit/s

95th percentile per-packet one-way delay: 52.970 ms

Loss rate: 0.00%

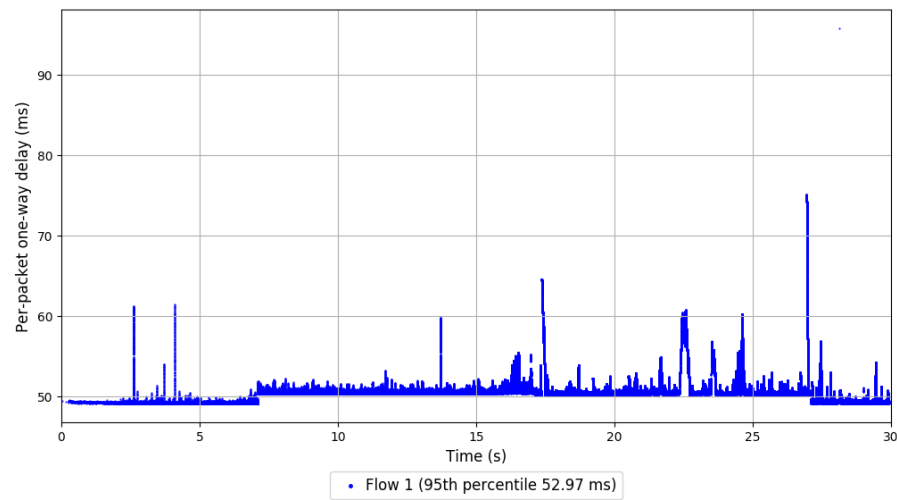
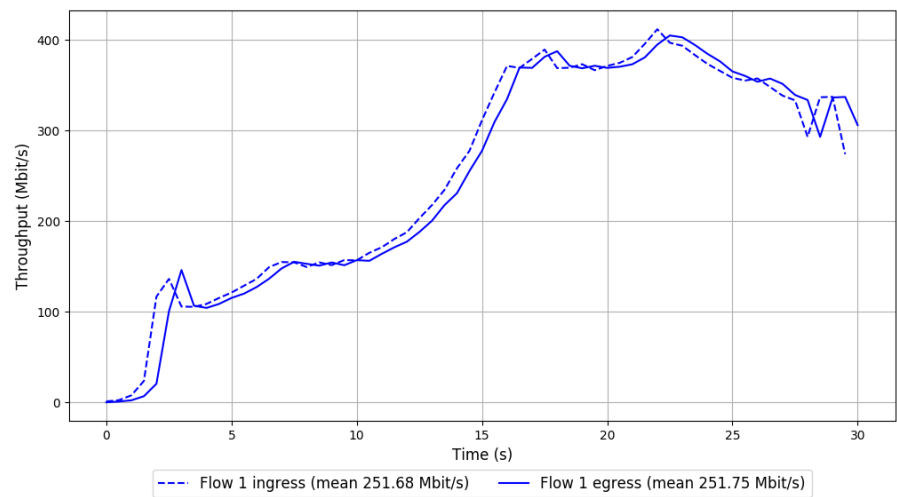
-- Flow 1:

Average throughput: 251.75 Mbit/s

95th percentile per-packet one-way delay: 52.970 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

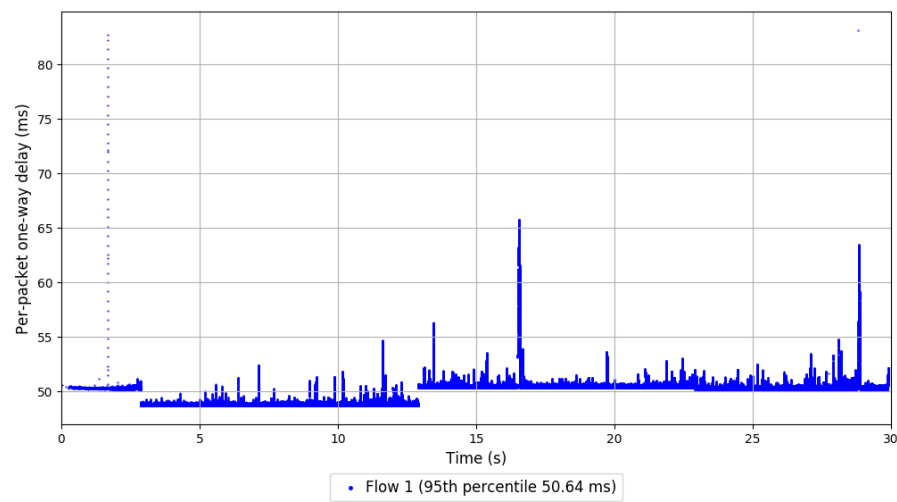
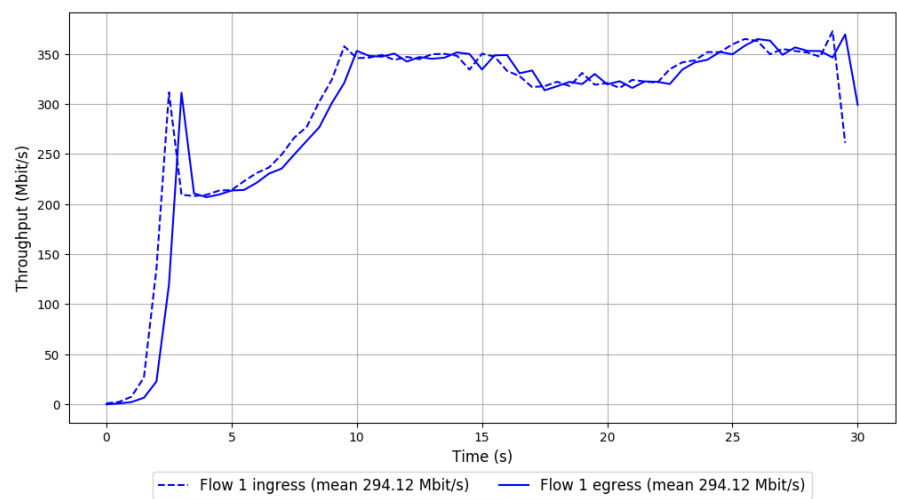


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-26 15:27:08
End at: 2018-07-26 15:27:38
Local clock offset: -0.135 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-26 17:52:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.12 Mbit/s
95th percentile per-packet one-way delay: 50.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 294.12 Mbit/s
95th percentile per-packet one-way delay: 50.637 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-26 15:49:11

End at: 2018-07-26 15:49:41

Local clock offset: -0.166 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-26 17:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.65 Mbit/s

95th percentile per-packet one-way delay: 55.490 ms

Loss rate: 0.38%

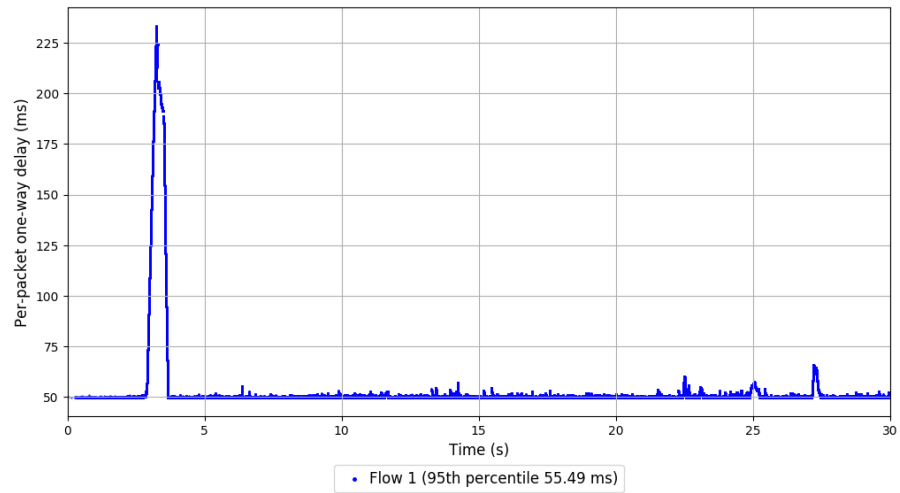
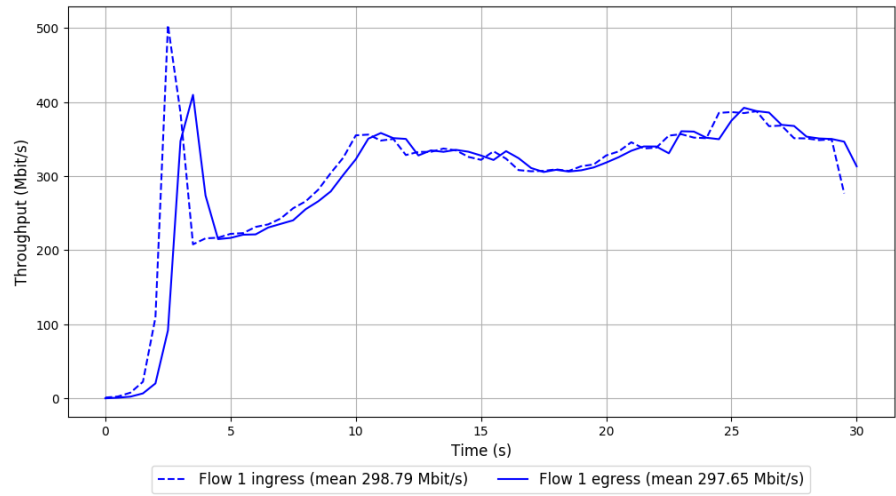
-- Flow 1:

Average throughput: 297.65 Mbit/s

95th percentile per-packet one-way delay: 55.490 ms

Loss rate: 0.38%

Run 10: Report of PCC-Vivace — Data Link

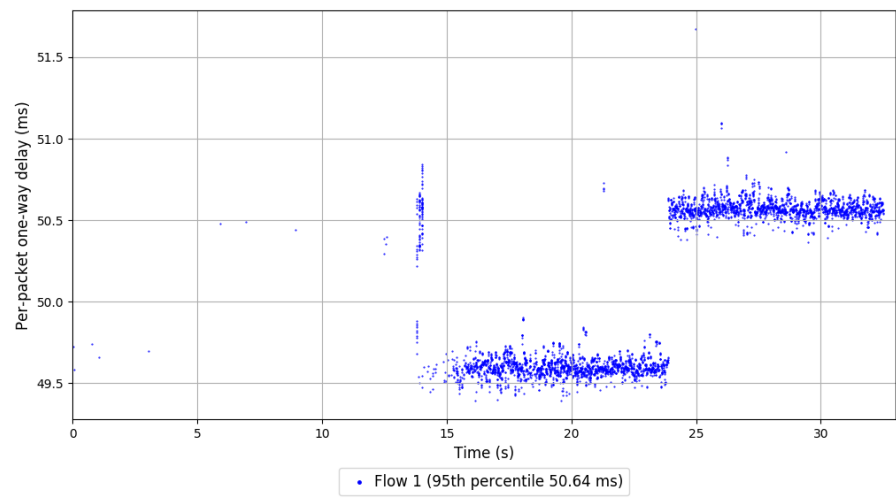
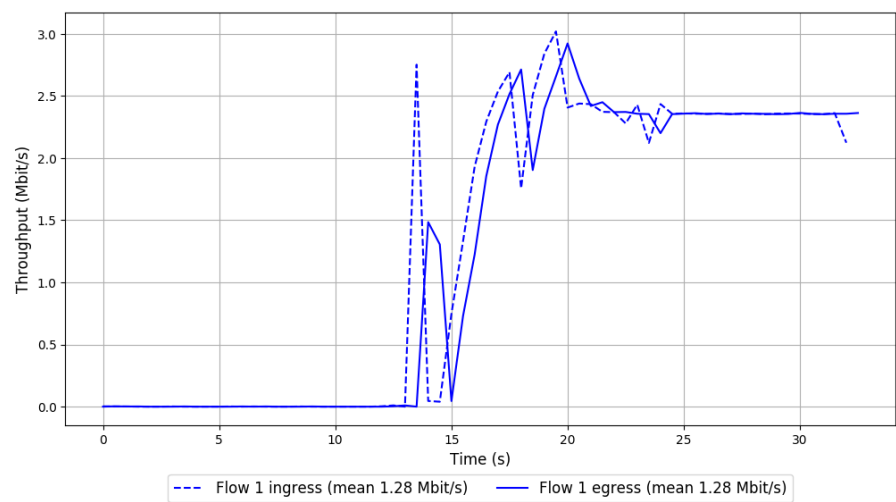


Run 1: Statistics of WebRTC media

Start at: 2018-07-26 12:15:40
End at: 2018-07-26 12:16:10
Local clock offset: -0.082 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2018-07-26 17:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 50.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 50.637 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

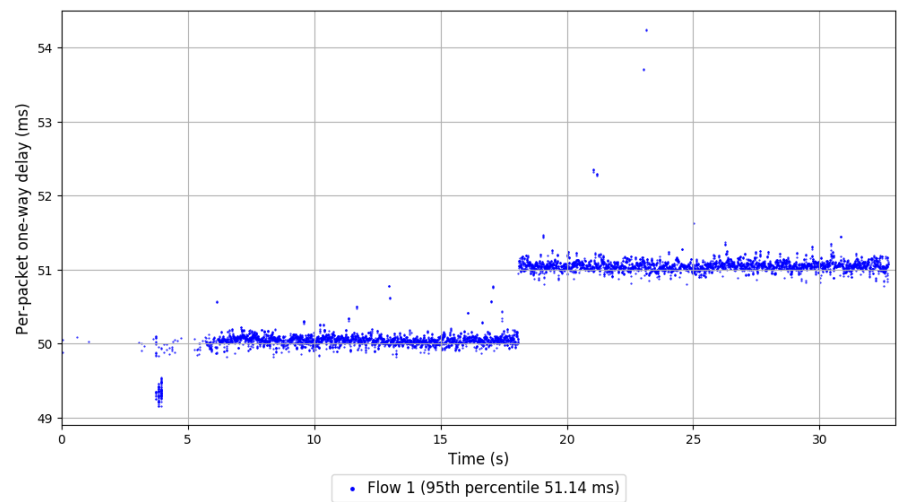
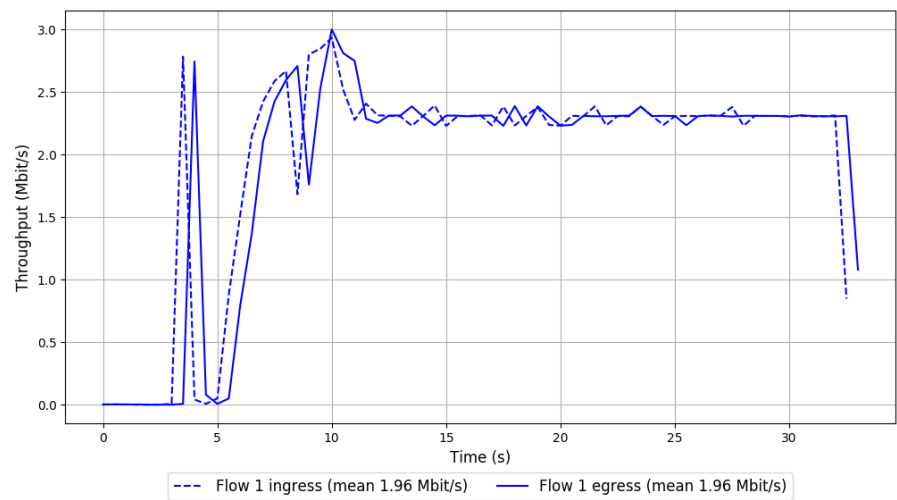


Run 2: Statistics of WebRTC media

Start at: 2018-07-26 12:37:36
End at: 2018-07-26 12:38:06
Local clock offset: -0.486 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-07-26 17:52:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.137 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

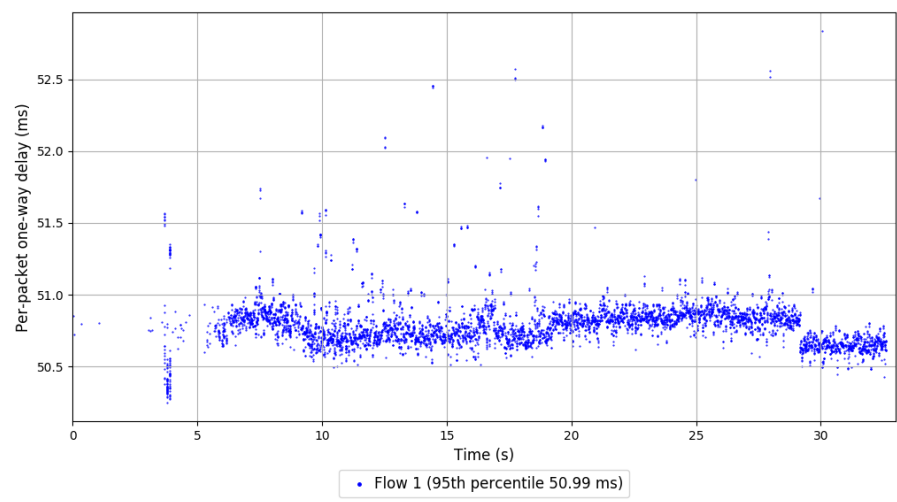
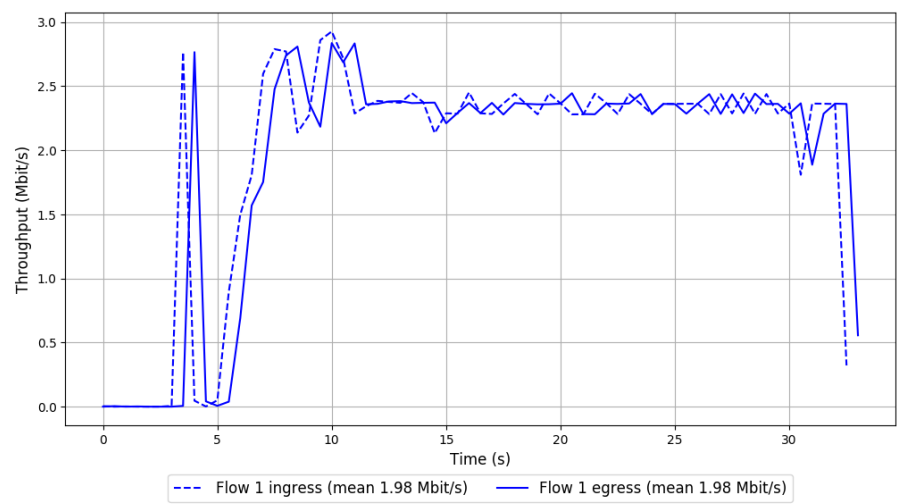


Run 3: Statistics of WebRTC media

Start at: 2018-07-26 12:59:45
End at: 2018-07-26 13:00:15
Local clock offset: -0.155 ms
Remote clock offset: -0.669 ms

Below is generated by plot.py at 2018-07-26 17:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.986 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

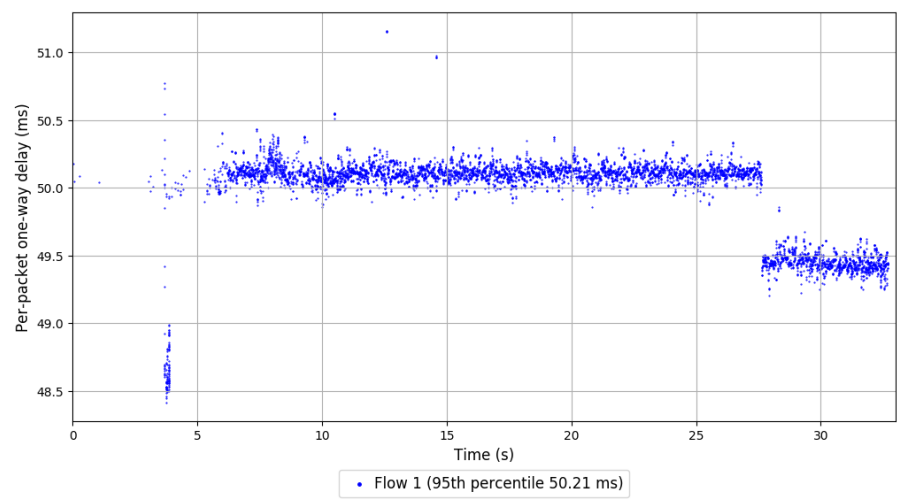
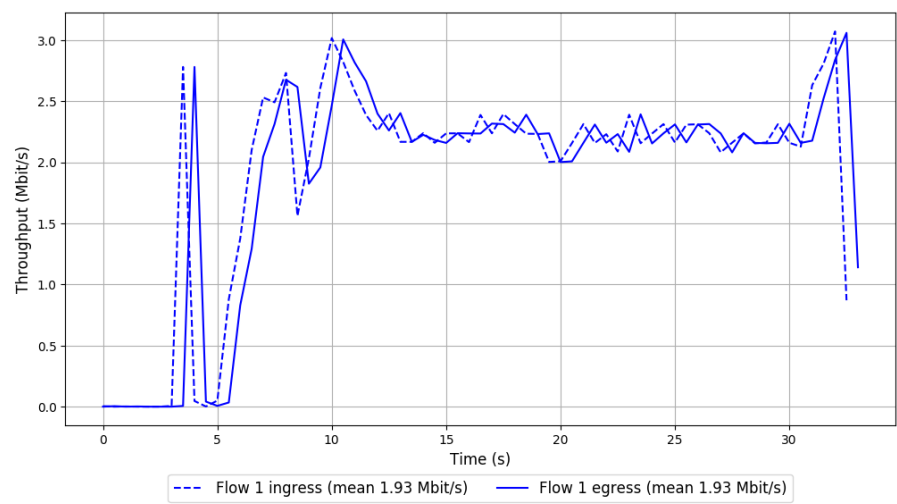


Run 4: Statistics of WebRTC media

Start at: 2018-07-26 13:21:56
End at: 2018-07-26 13:22:26
Local clock offset: 0.125 ms
Remote clock offset: -0.834 ms

Below is generated by plot.py at 2018-07-26 17:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.210 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

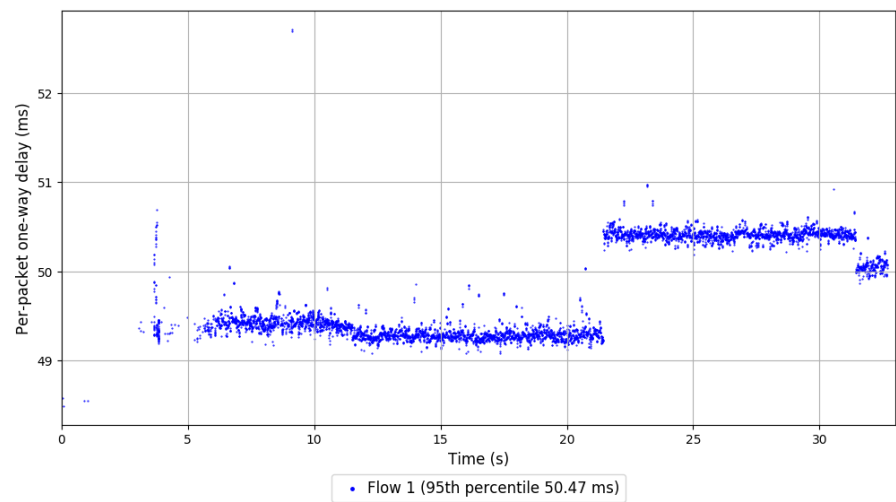
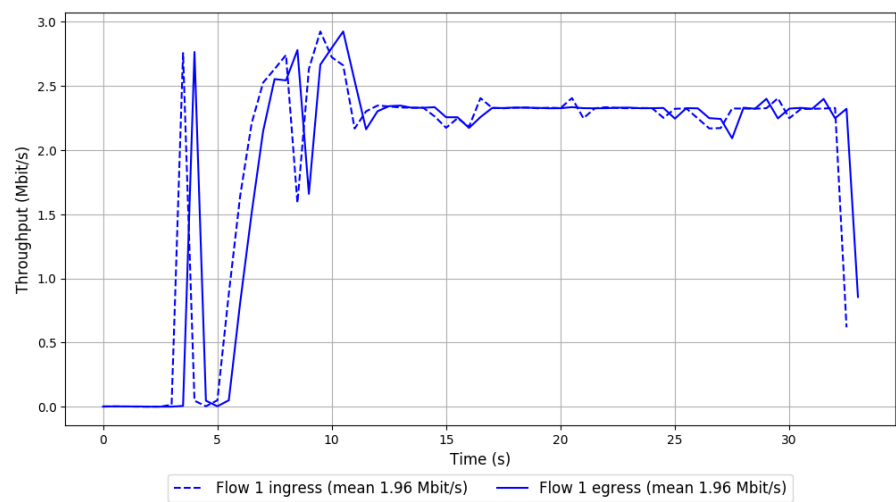


Run 5: Statistics of WebRTC media

Start at: 2018-07-26 13:43:53
End at: 2018-07-26 13:44:23
Local clock offset: 0.363 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-26 17:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.469 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-26 14:06:04

End at: 2018-07-26 14:06:34

Local clock offset: 0.458 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-26 17:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 50.531 ms

Loss rate: 0.00%

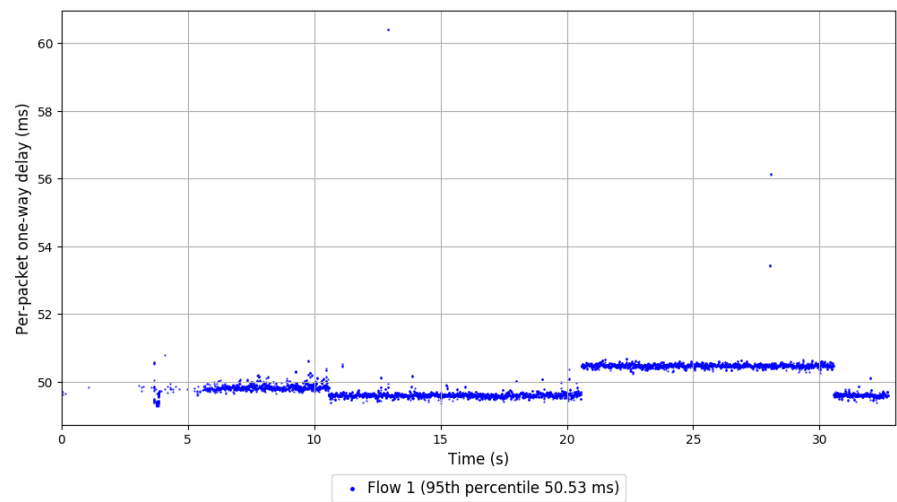
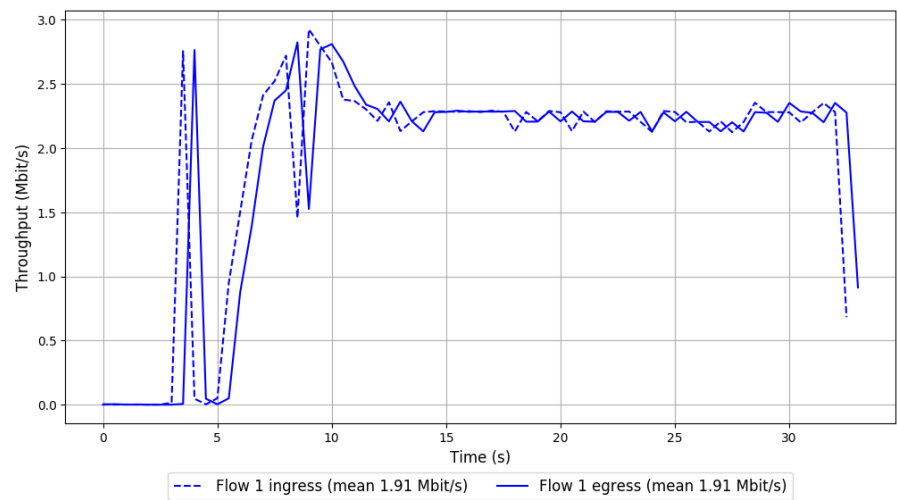
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 50.531 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-26 14:28:17

End at: 2018-07-26 14:28:47

Local clock offset: 0.169 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-26 17:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.484 ms

Loss rate: 0.00%

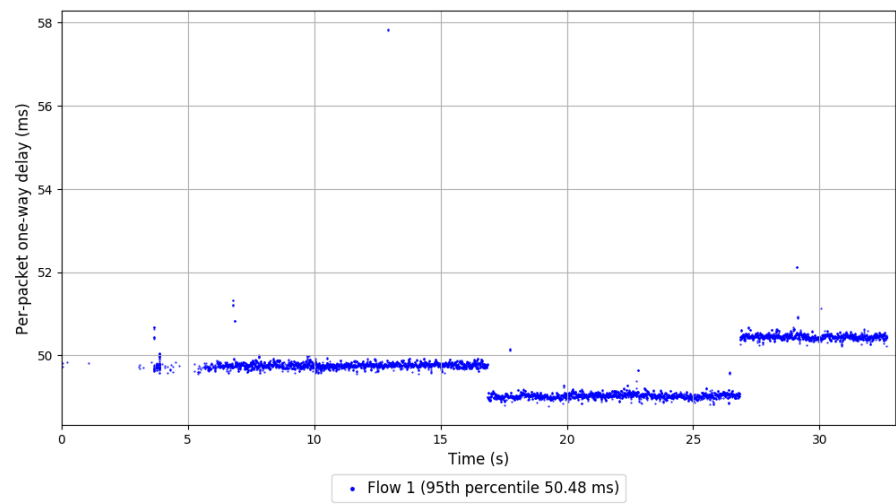
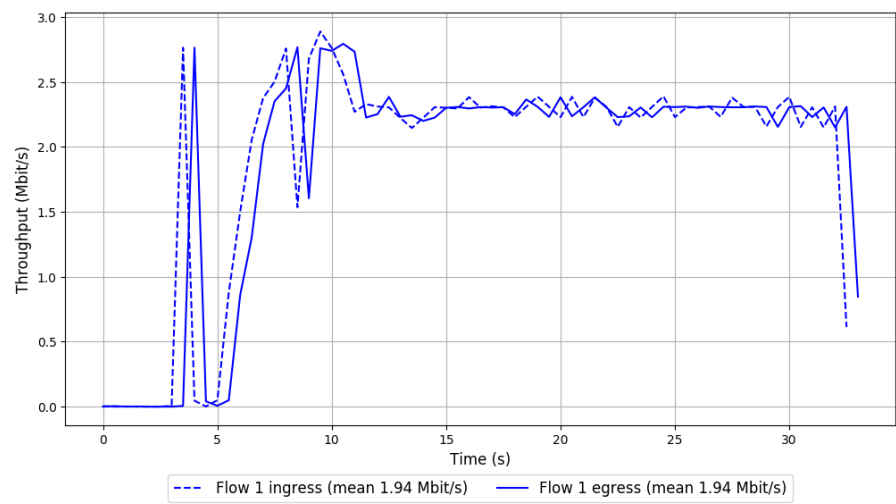
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.484 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

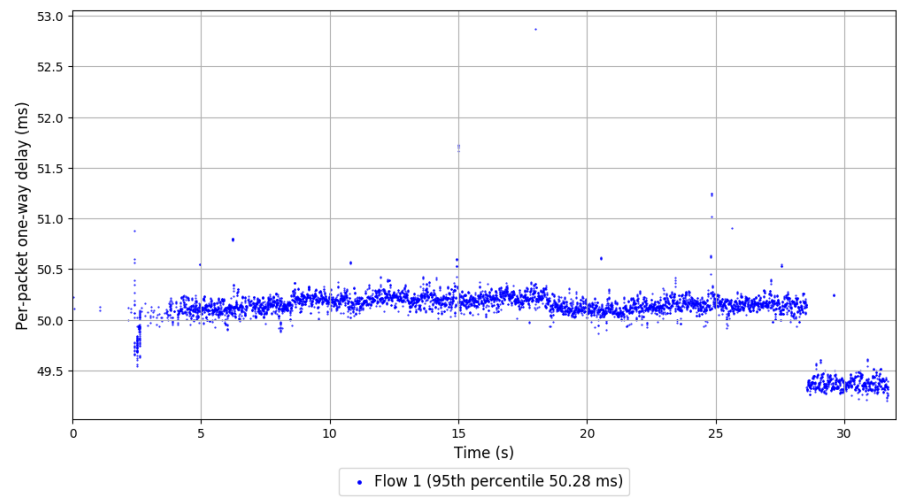
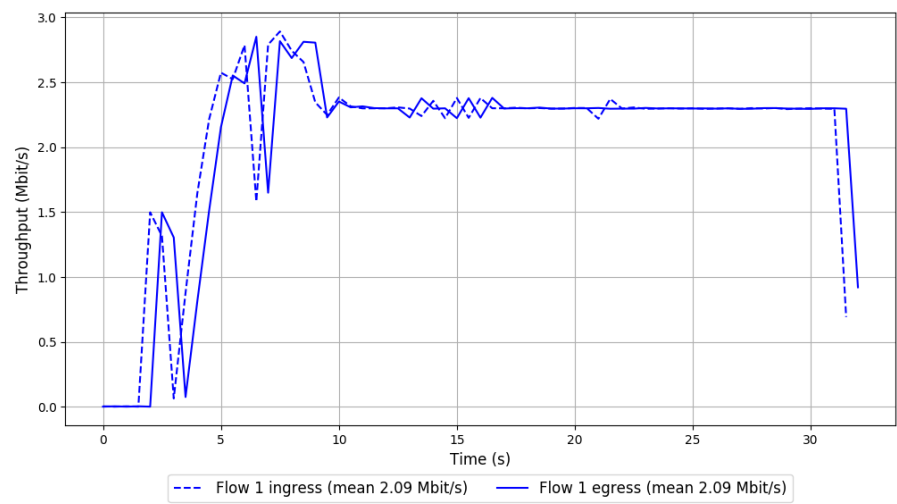


Run 8: Statistics of WebRTC media

Start at: 2018-07-26 14:50:25
End at: 2018-07-26 14:50:55
Local clock offset: 0.297 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-26 17:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 50.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 50.281 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

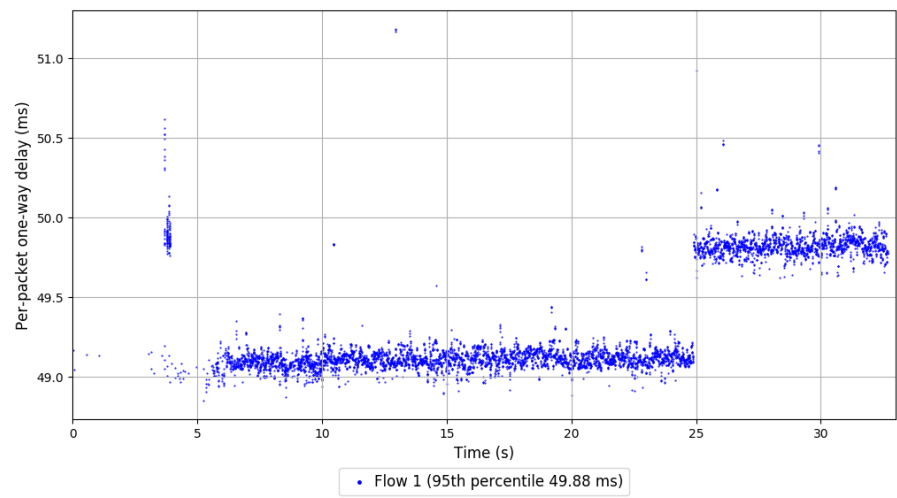
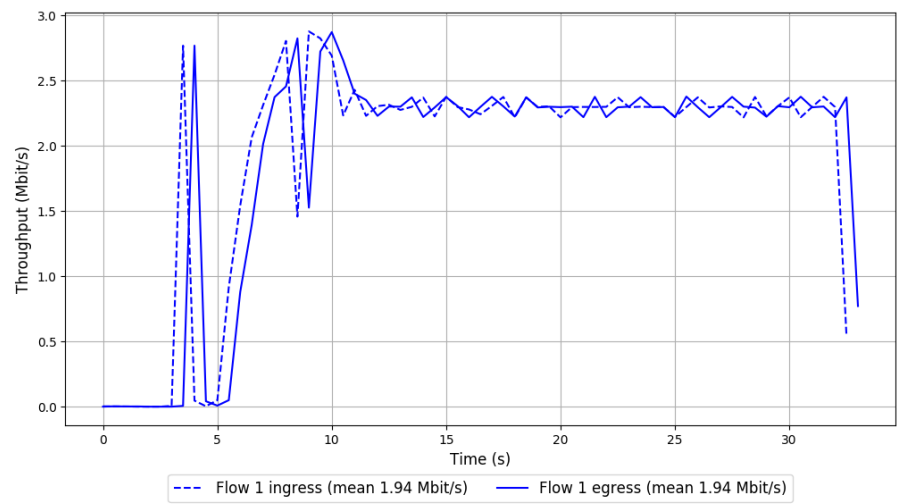


Run 9: Statistics of WebRTC media

Start at: 2018-07-26 15:12:29
End at: 2018-07-26 15:12:59
Local clock offset: -0.219 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-26 17:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 49.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 49.876 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-26 15:34:31

End at: 2018-07-26 15:35:01

Local clock offset: -0.126 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-26 17:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 51.110 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 51.110 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

