

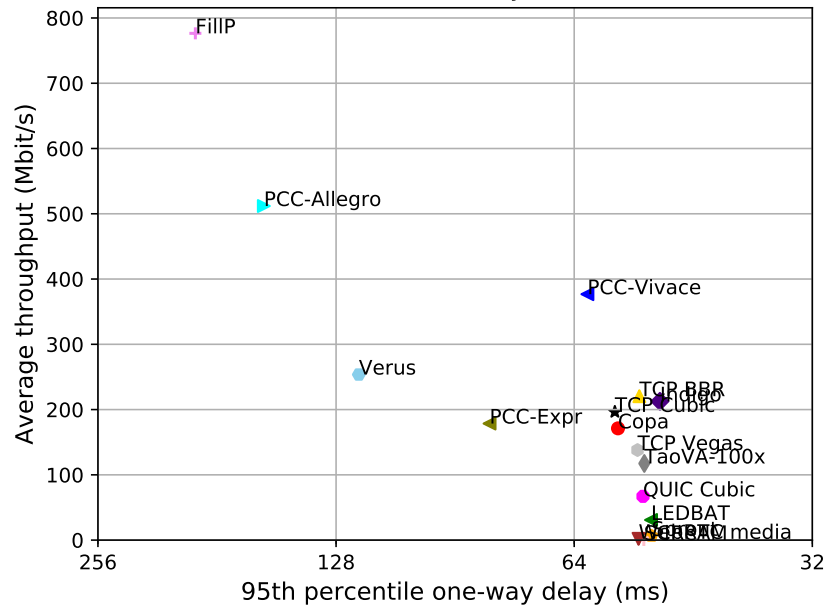
Pantheon Report

Generated at 2018-06-07 16:25:16 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

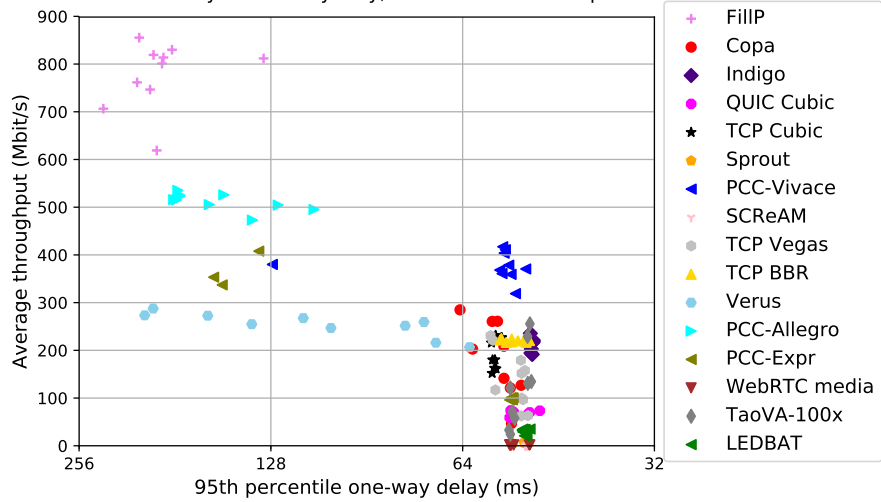
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	220.52	52.94	0.28
Copa	10	171.22	56.34	0.49
TCP Cubic	10	196.44	56.86	0.39
FillP	10	776.47	192.79	1.44
Indigo	10	212.61	49.87	0.35
LEDBAT	10	30.85	51.18	0.72
PCC-Allegro	10	511.88	157.94	1.85
PCC-Expr	10	178.59	81.89	0.91
QUIC Cubic	10	67.04	52.39	0.51
SCReAM	10	0.21	52.26	0.34
Sprout	10	6.46	51.10	0.34
TaoVA-100x	9	117.41	52.19	0.14
TCP Vegas	10	137.98	53.23	0.31
Verus	10	253.67	119.80	0.55
PCC-Vivace	10	376.80	61.59	0.36
WebRTC media	10	1.91	53.07	0.42

Run 1: Statistics of TCP BBR

Start at: 2018-06-07 11:42:31

End at: 2018-06-07 11:43:01

Local clock offset: 0.367 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-07 15:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.93 Mbit/s

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

Loss rate: 0.34%

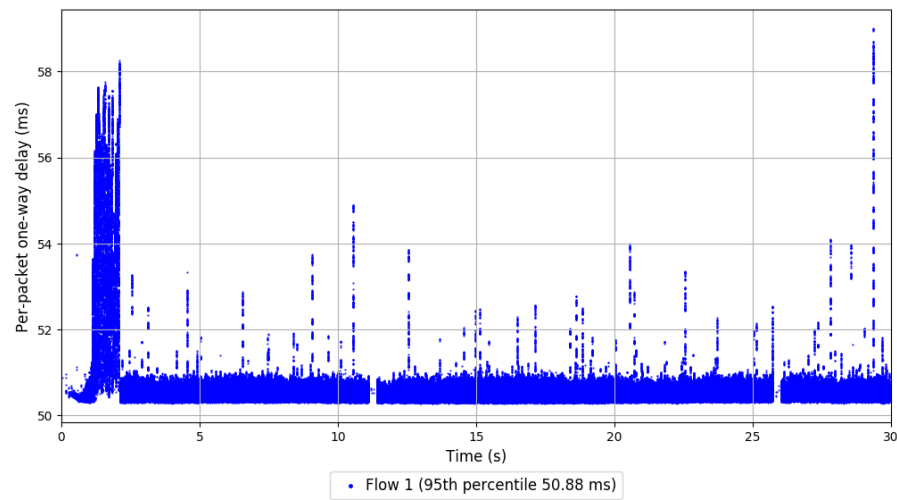
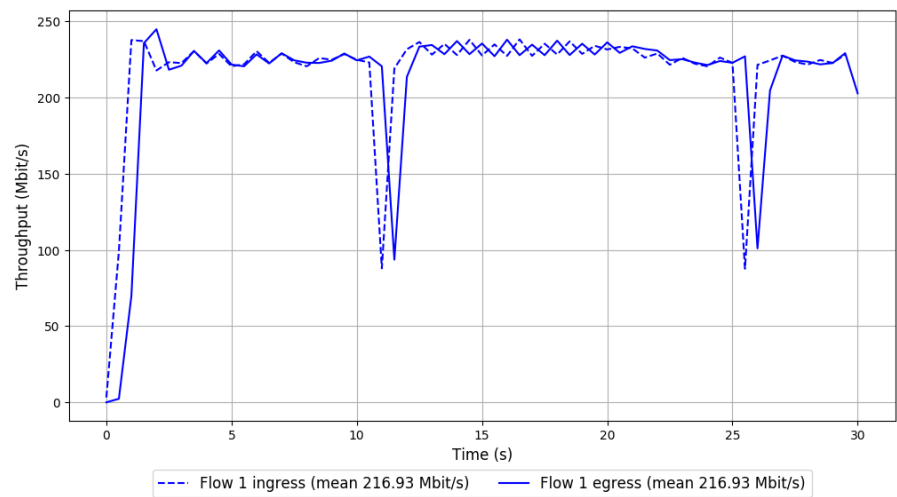
-- Flow 1:

Average throughput: 216.93 Mbit/s

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

Loss rate: 0.34%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-07 12:02:55

End at: 2018-06-07 12:03:25

Local clock offset: -0.174 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-06-07 15:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.64 Mbit/s

95th percentile per-packet one-way delay: 50.266 ms

Loss rate: 0.34%

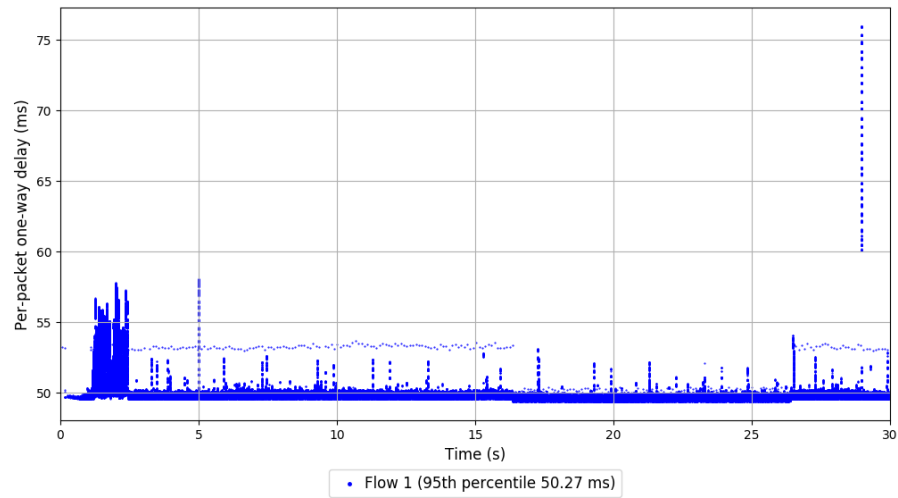
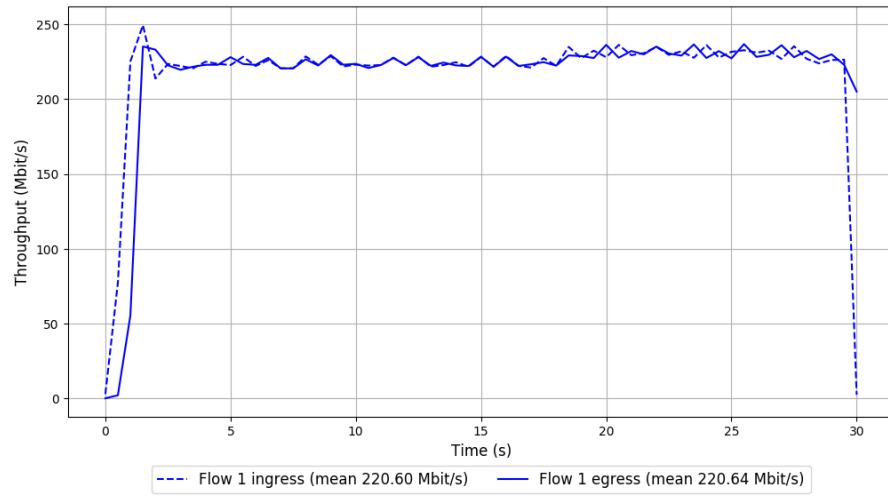
-- Flow 1:

Average throughput: 220.64 Mbit/s

95th percentile per-packet one-way delay: 50.266 ms

Loss rate: 0.34%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-07 12:23:31

End at: 2018-06-07 12:24:01

Local clock offset: -0.254 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-07 15:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.73 Mbit/s

95th percentile per-packet one-way delay: 51.236 ms

Loss rate: 0.34%

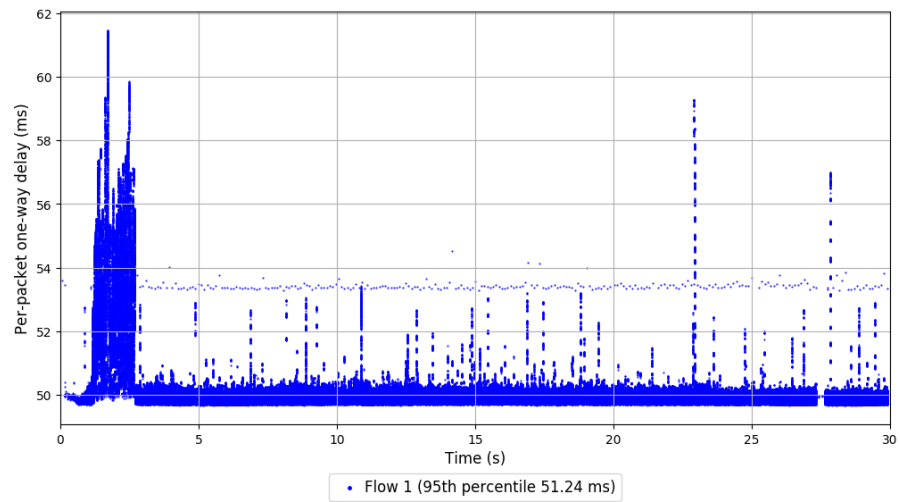
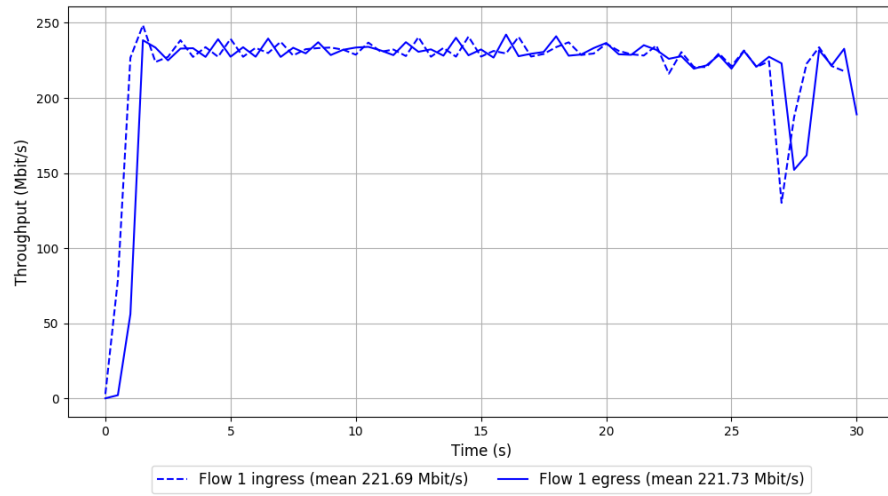
-- Flow 1:

Average throughput: 221.73 Mbit/s

95th percentile per-packet one-way delay: 51.236 ms

Loss rate: 0.34%

Run 3: Report of TCP BBR — Data Link

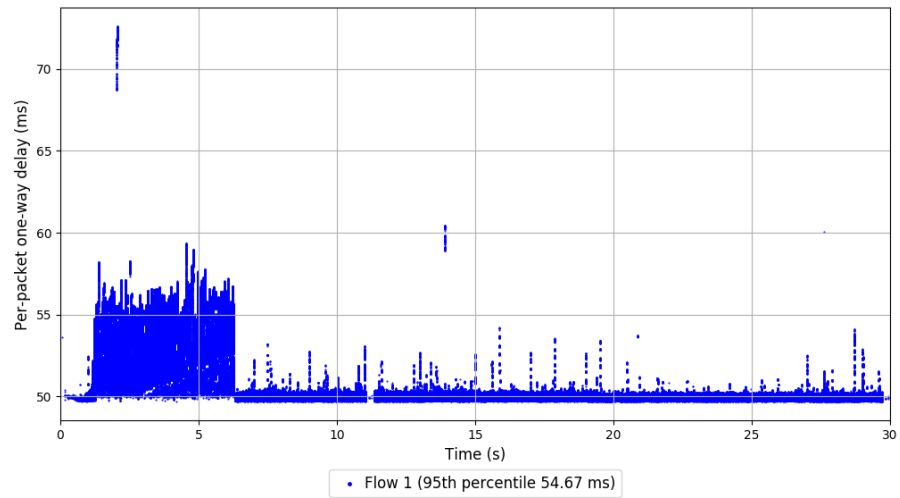
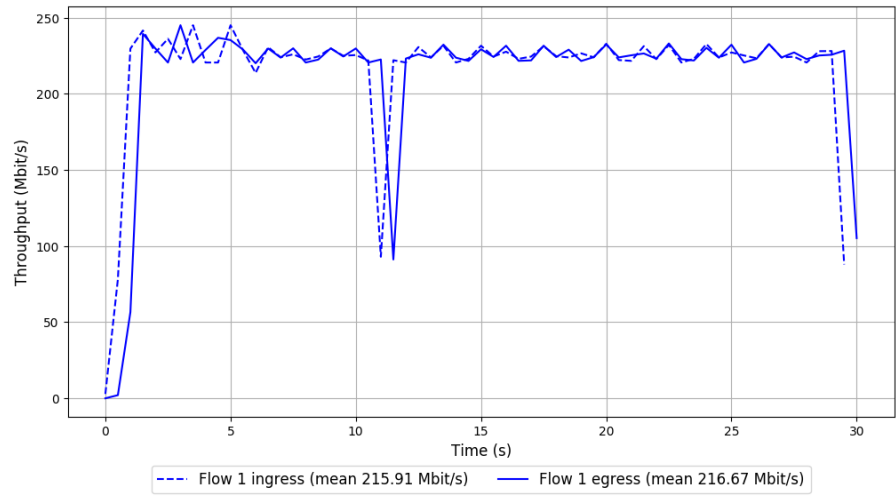


Run 4: Statistics of TCP BBR

Start at: 2018-06-07 12:43:21
End at: 2018-06-07 12:43:51
Local clock offset: -0.403 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-06-07 15:04:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 54.671 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 54.671 ms
Loss rate: 0.04%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-07 13:03:25

End at: 2018-06-07 13:03:55

Local clock offset: -0.313 ms

Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-06-07 15:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.93 Mbit/s

95th percentile per-packet one-way delay: 52.409 ms

Loss rate: 0.34%

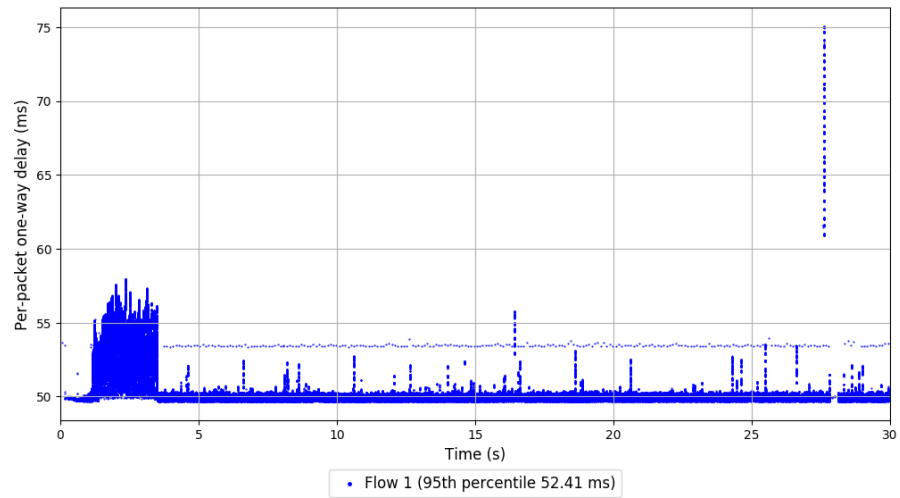
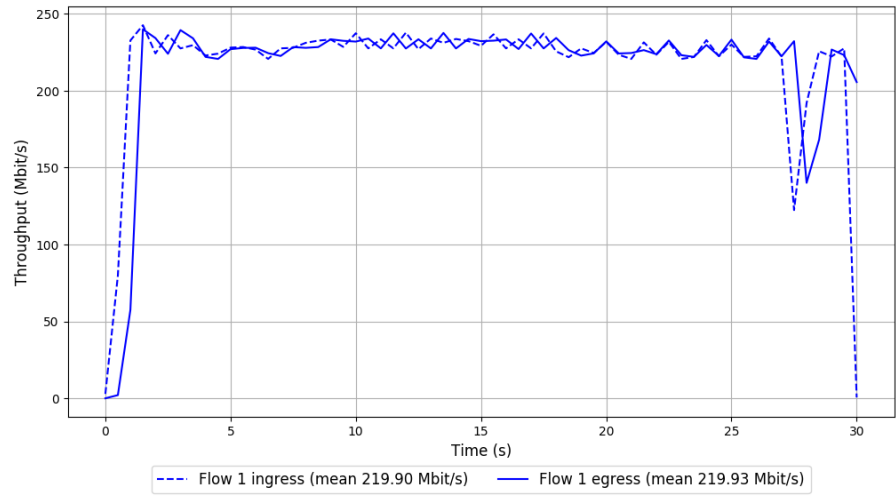
-- Flow 1:

Average throughput: 219.93 Mbit/s

95th percentile per-packet one-way delay: 52.409 ms

Loss rate: 0.34%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-07 13:23:27

End at: 2018-06-07 13:23:57

Local clock offset: -0.165 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-06-07 15:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.74 Mbit/s

95th percentile per-packet one-way delay: 55.891 ms

Loss rate: 0.37%

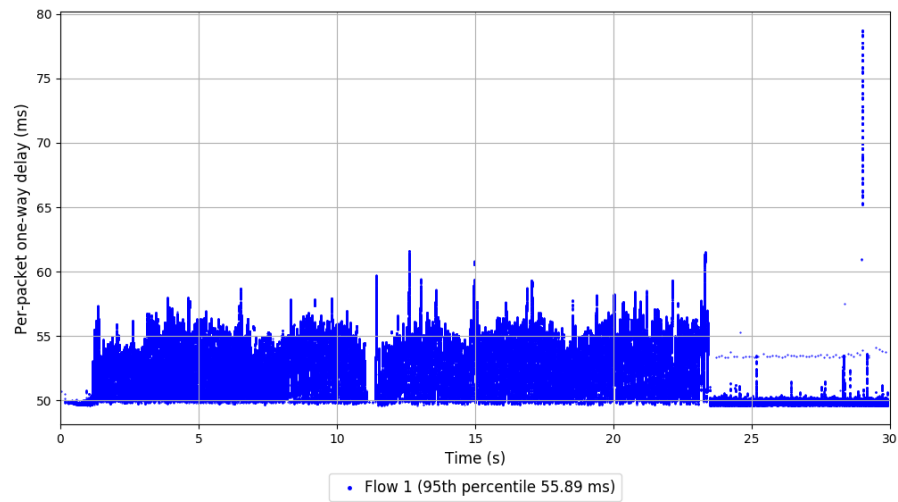
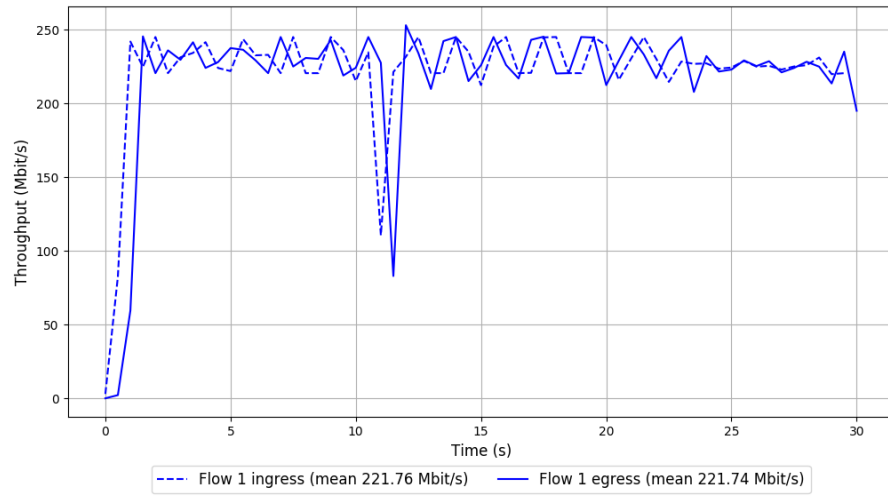
-- Flow 1:

Average throughput: 221.74 Mbit/s

95th percentile per-packet one-way delay: 55.891 ms

Loss rate: 0.37%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-07 13:43:56

End at: 2018-06-07 13:44:26

Local clock offset: 0.195 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-06-07 15:04:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.32 Mbit/s

95th percentile per-packet one-way delay: 51.167 ms

Loss rate: 0.35%

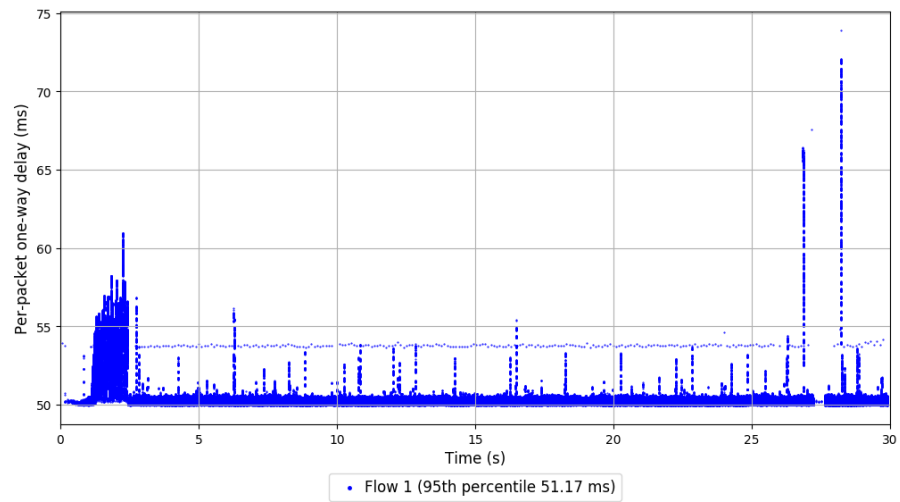
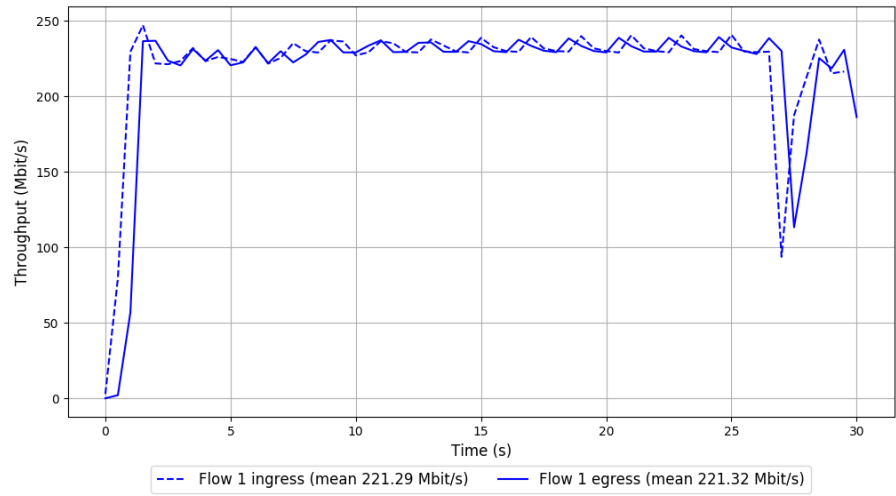
-- Flow 1:

Average throughput: 221.32 Mbit/s

95th percentile per-packet one-way delay: 51.167 ms

Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-07 14:03:58

End at: 2018-06-07 14:04:29

Local clock offset: 0.221 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-06-07 15:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.64 Mbit/s

95th percentile per-packet one-way delay: 53.605 ms

Loss rate: 0.35%

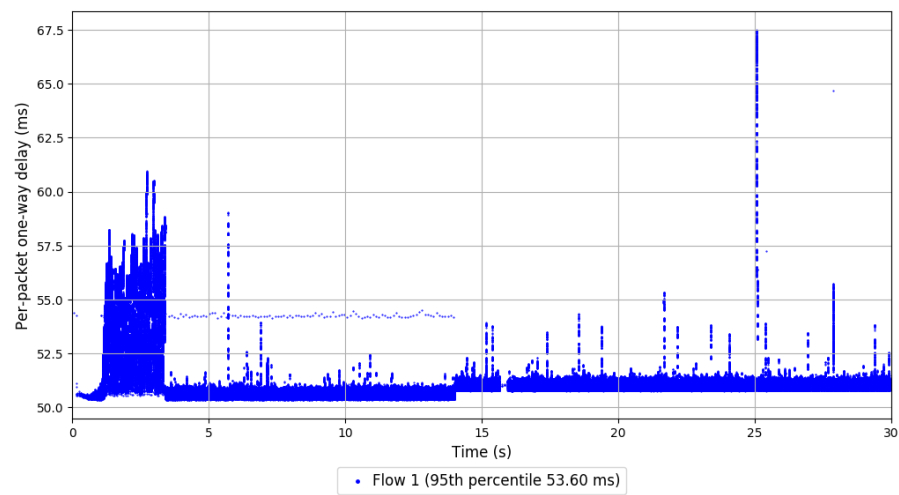
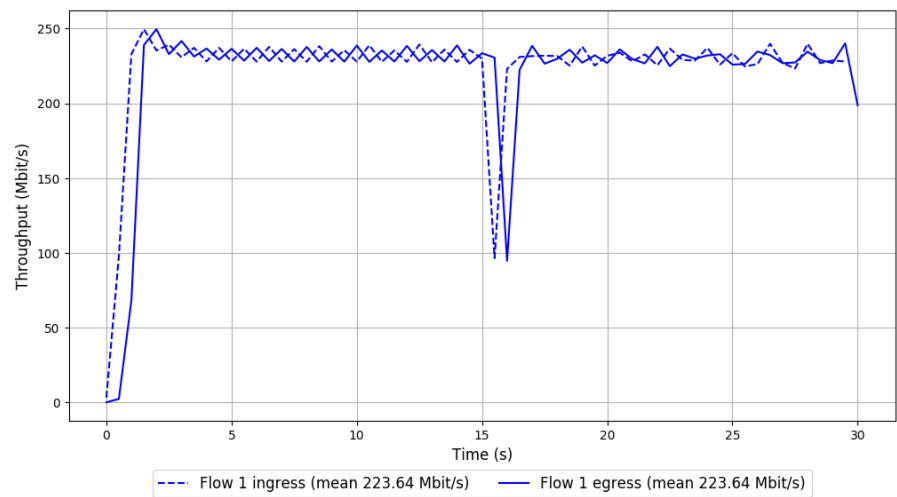
-- Flow 1:

Average throughput: 223.64 Mbit/s

95th percentile per-packet one-way delay: 53.605 ms

Loss rate: 0.35%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-07 14:24:17

End at: 2018-06-07 14:24:47

Local clock offset: -0.204 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2018-06-07 15:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.80 Mbit/s

95th percentile per-packet one-way delay: 53.653 ms

Loss rate: 0.00%

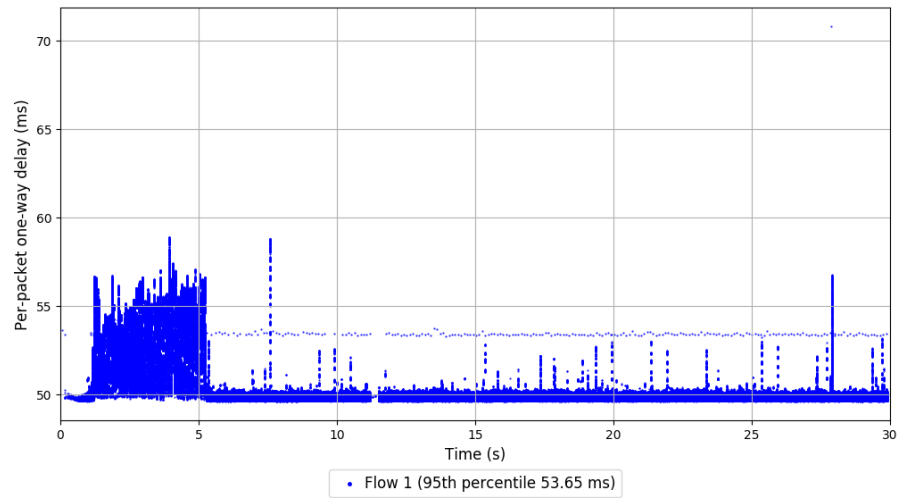
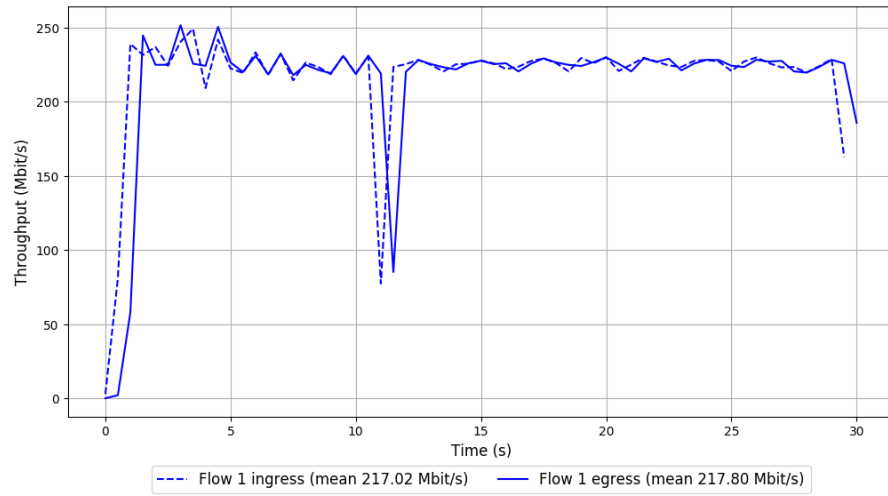
-- Flow 1:

Average throughput: 217.80 Mbit/s

95th percentile per-packet one-way delay: 53.653 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-07 14:45:13

End at: 2018-06-07 14:45:43

Local clock offset: 0.192 ms

Remote clock offset: 0.445 ms

Below is generated by plot.py at 2018-06-07 15:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.80 Mbit/s

95th percentile per-packet one-way delay: 55.640 ms

Loss rate: 0.36%

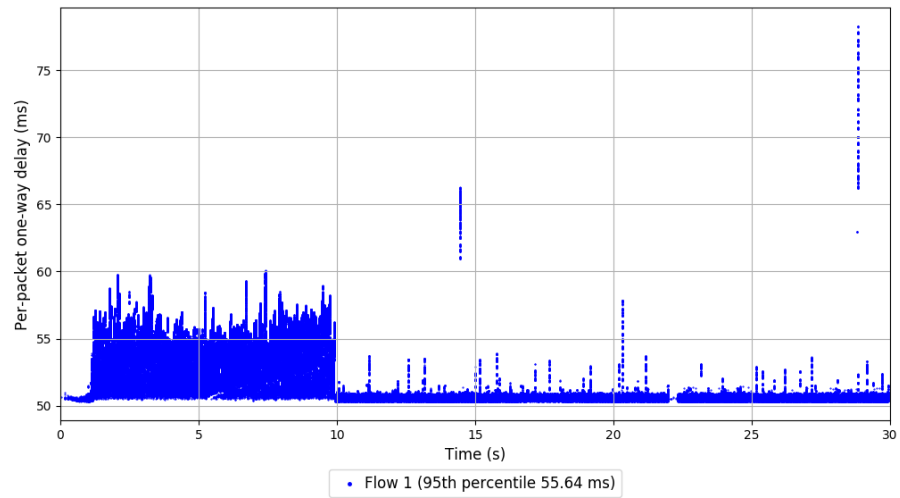
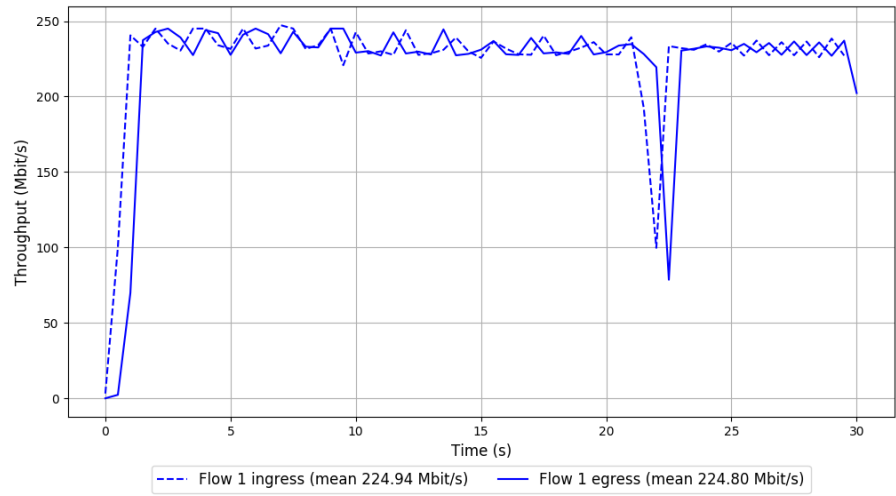
-- Flow 1:

Average throughput: 224.80 Mbit/s

95th percentile per-packet one-way delay: 55.640 ms

Loss rate: 0.36%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-07 11:46:11

End at: 2018-06-07 11:46:41

Local clock offset: 0.229 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-07 15:10:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.65 Mbit/s

95th percentile per-packet one-way delay: 61.740 ms

Loss rate: 0.46%

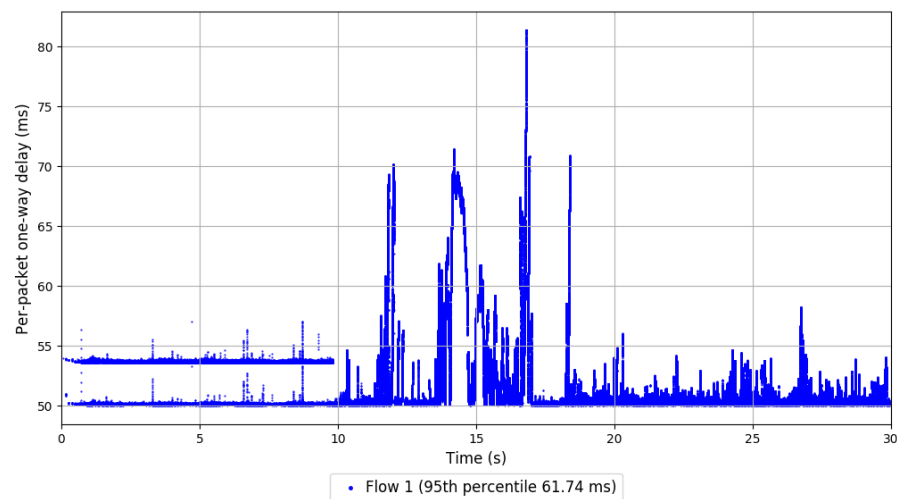
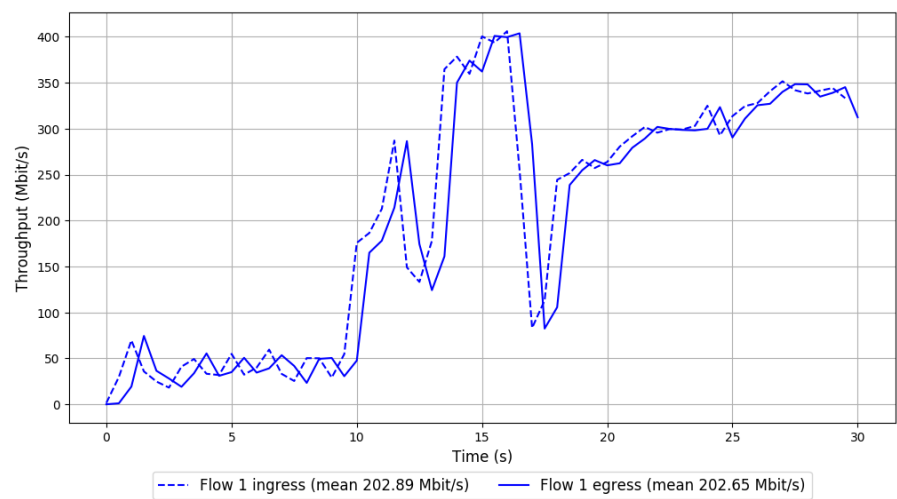
-- Flow 1:

Average throughput: 202.65 Mbit/s

95th percentile per-packet one-way delay: 61.740 ms

Loss rate: 0.46%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-07 12:06:38

End at: 2018-06-07 12:07:08

Local clock offset: -0.03 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-06-07 15:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.60 Mbit/s

95th percentile per-packet one-way delay: 55.138 ms

Loss rate: 0.53%

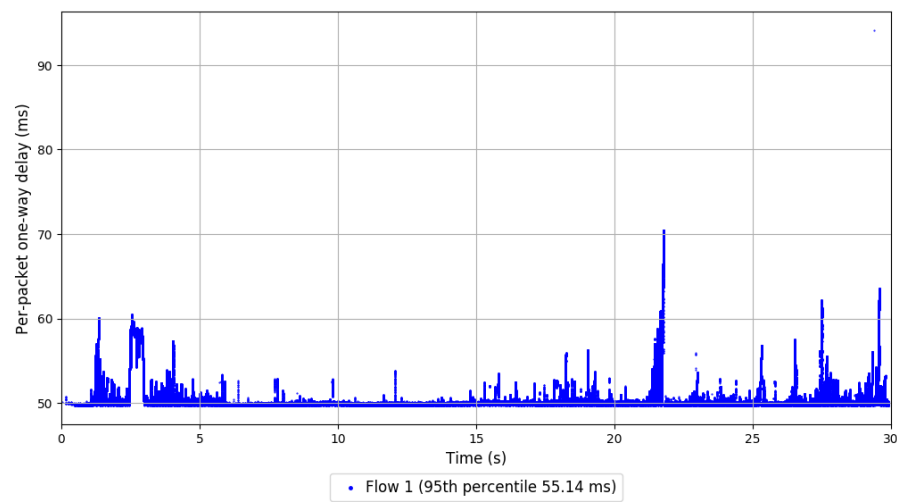
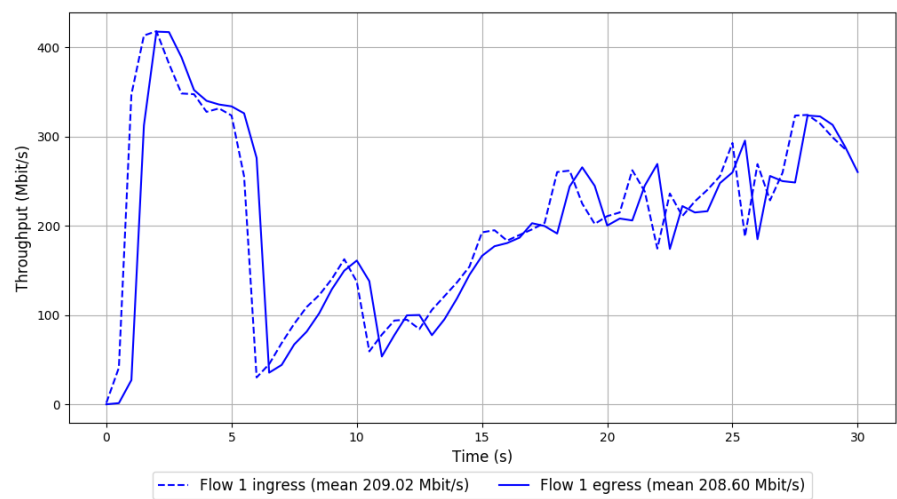
-- Flow 1:

Average throughput: 208.60 Mbit/s

95th percentile per-packet one-way delay: 55.138 ms

Loss rate: 0.53%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-07 12:27:14

End at: 2018-06-07 12:27:44

Local clock offset: -0.144 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-06-07 15:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.38 Mbit/s

95th percentile per-packet one-way delay: 55.120 ms

Loss rate: 0.12%

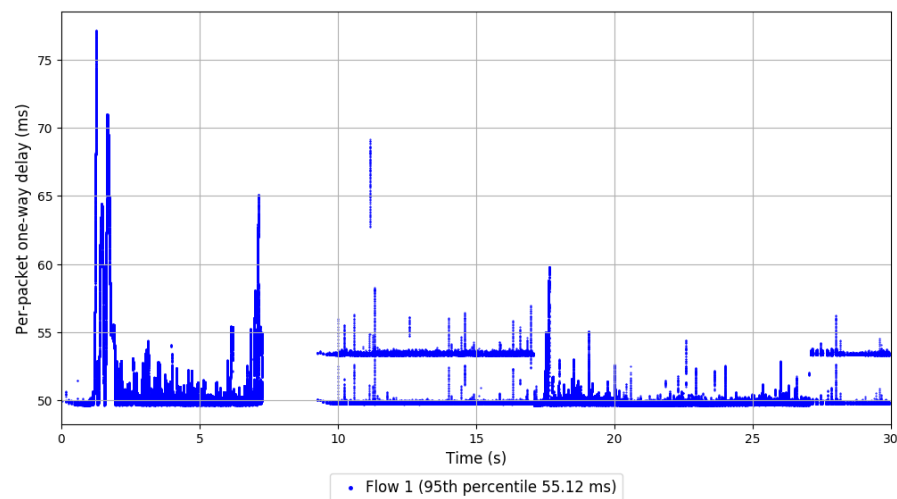
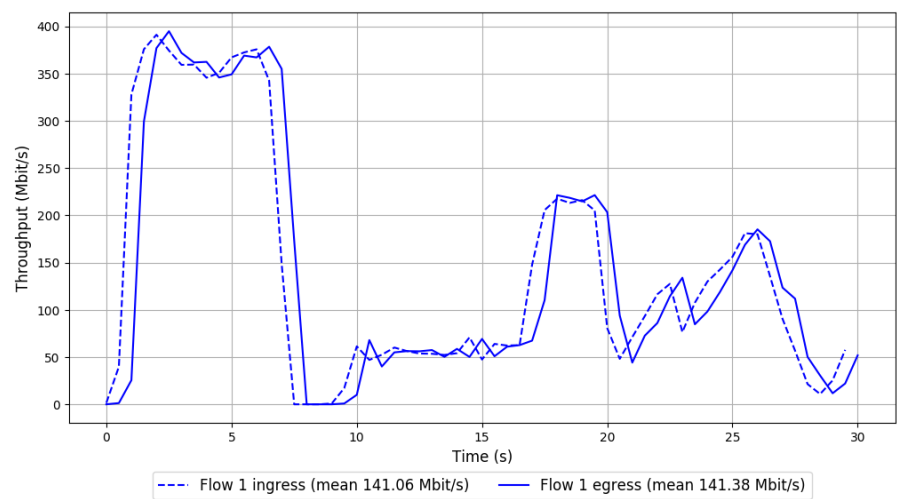
-- Flow 1:

Average throughput: 141.38 Mbit/s

95th percentile per-packet one-way delay: 55.120 ms

Loss rate: 0.12%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-07 12:47:03

End at: 2018-06-07 12:47:33

Local clock offset: -0.123 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-06-07 15:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 53.551 ms

Loss rate: 1.68%

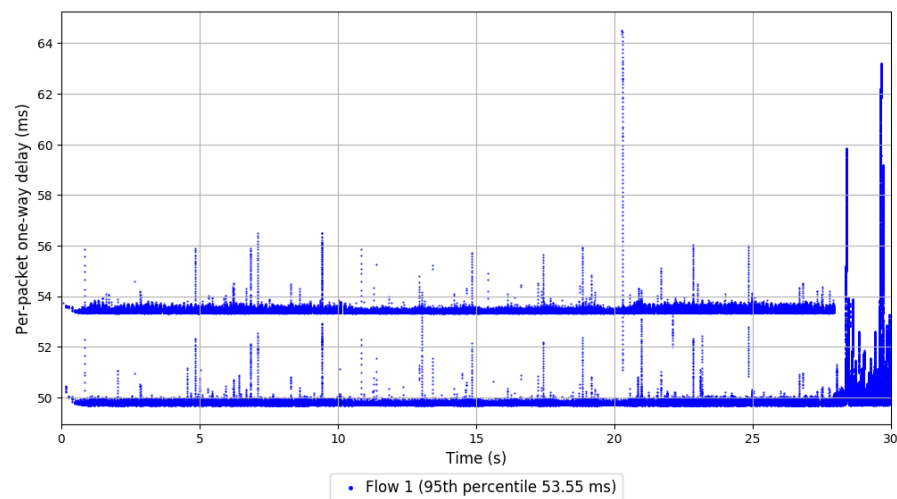
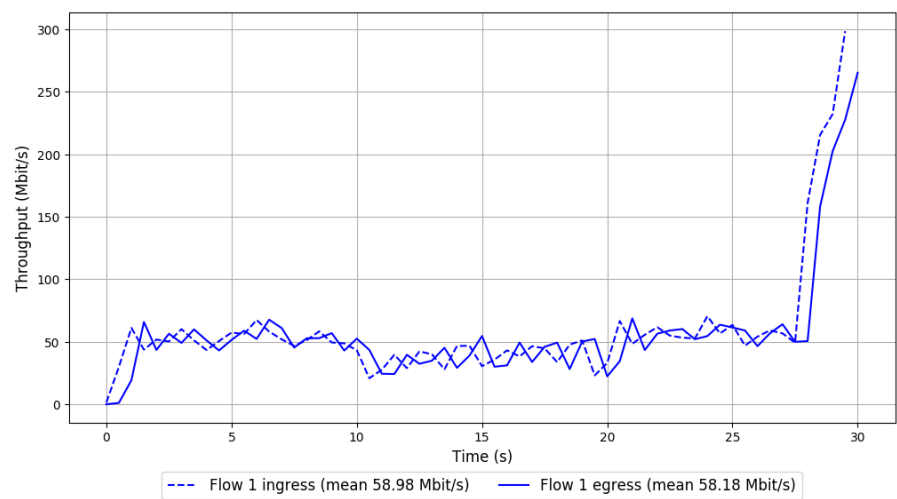
-- Flow 1:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 53.551 ms

Loss rate: 1.68%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-07 13:07:05

End at: 2018-06-07 13:07:35

Local clock offset: -1.769 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-06-07 15:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.79 Mbit/s

95th percentile per-packet one-way delay: 51.808 ms

Loss rate: 0.78%

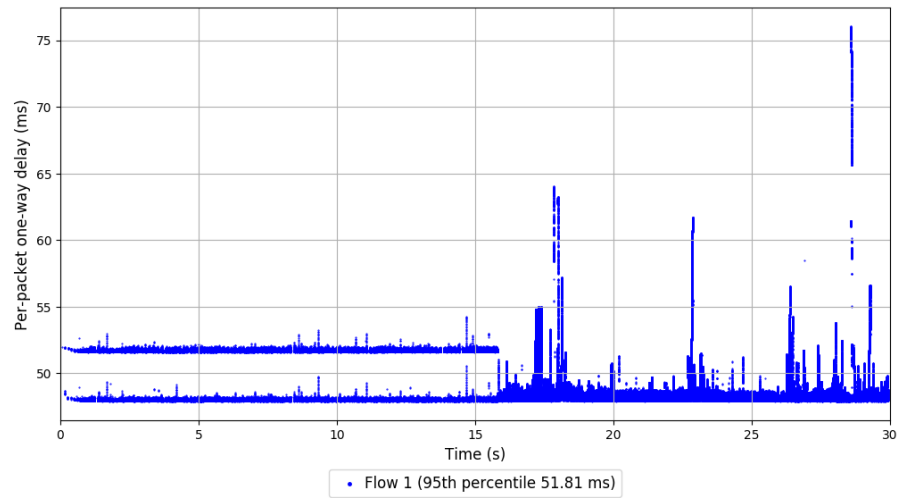
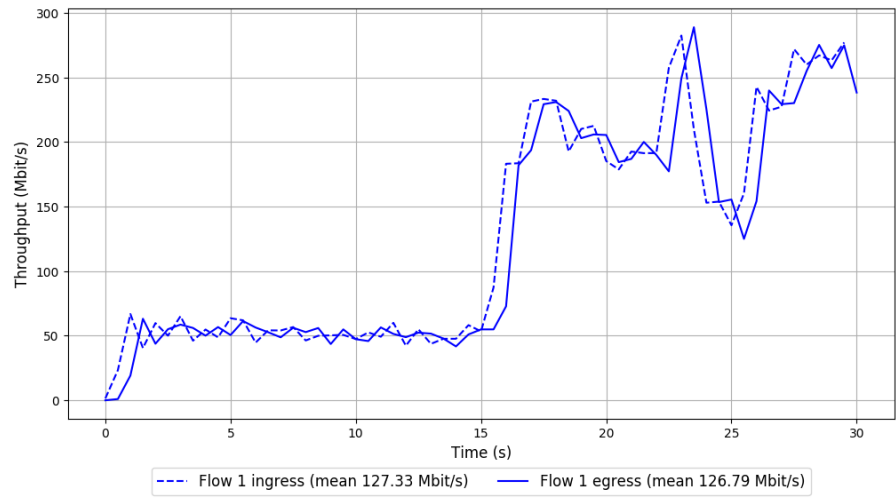
-- Flow 1:

Average throughput: 126.79 Mbit/s

95th percentile per-packet one-way delay: 51.808 ms

Loss rate: 0.78%

Run 5: Report of Copa — Data Link

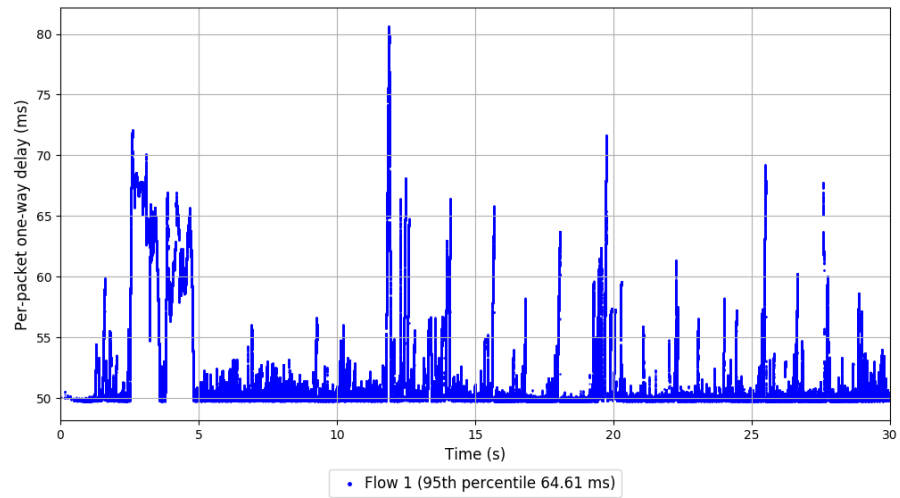
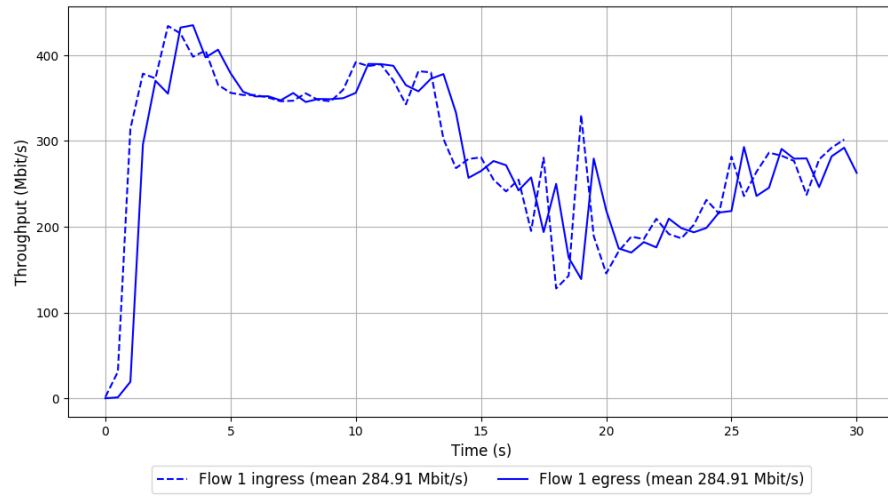


Run 6: Statistics of Copa

Start at: 2018-06-07 13:27:10
End at: 2018-06-07 13:27:40
Local clock offset: -0.188 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-06-07 15:13:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 64.610 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 64.610 ms
Loss rate: 0.34%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-07 13:47:39

End at: 2018-06-07 13:48:09

Local clock offset: 0.088 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-06-07 15:13:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 53.641 ms

Loss rate: 0.12%

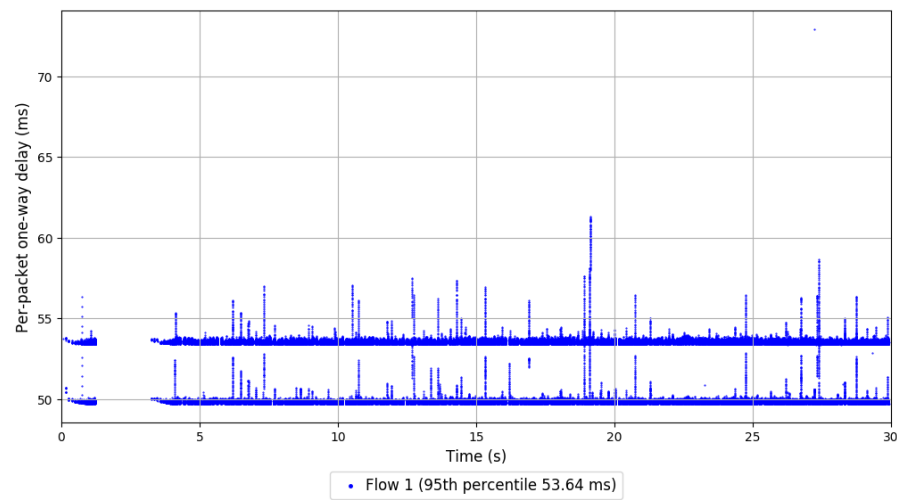
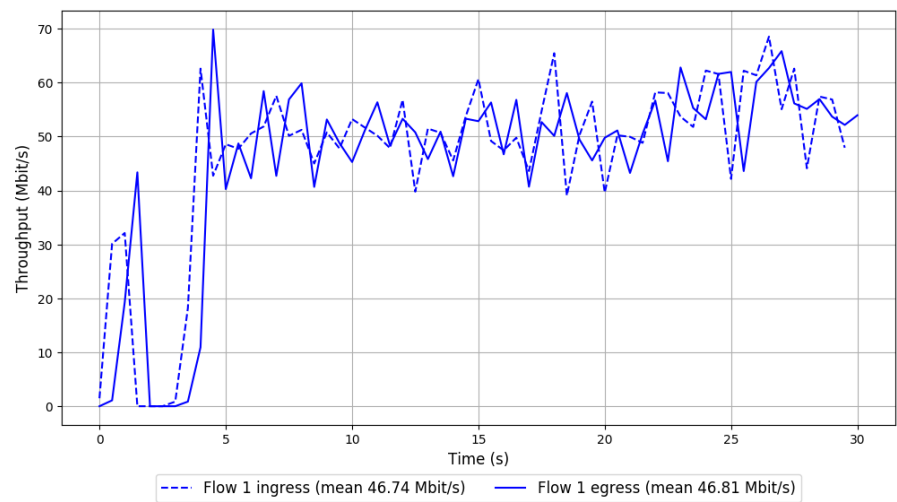
-- Flow 1:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 53.641 ms

Loss rate: 0.12%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-07 14:07:43

End at: 2018-06-07 14:08:13

Local clock offset: -0.196 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-06-07 15:16:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.93 Mbit/s

95th percentile per-packet one-way delay: 56.420 ms

Loss rate: 0.18%

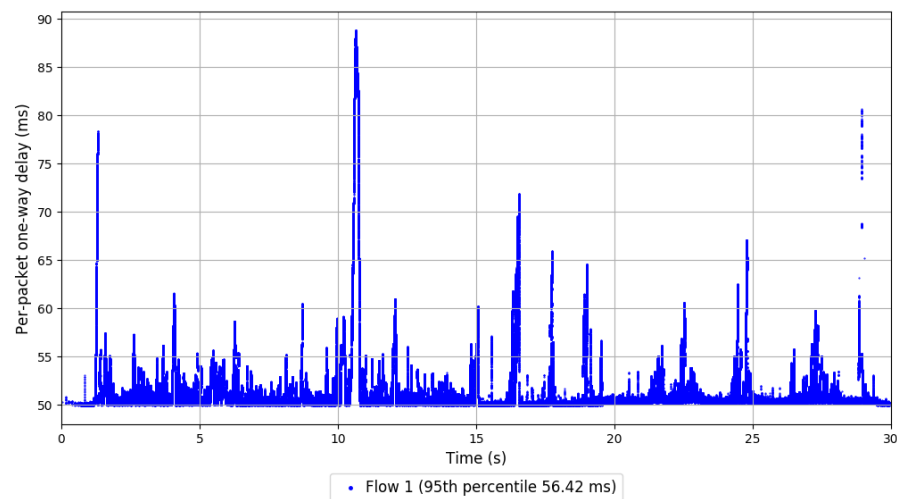
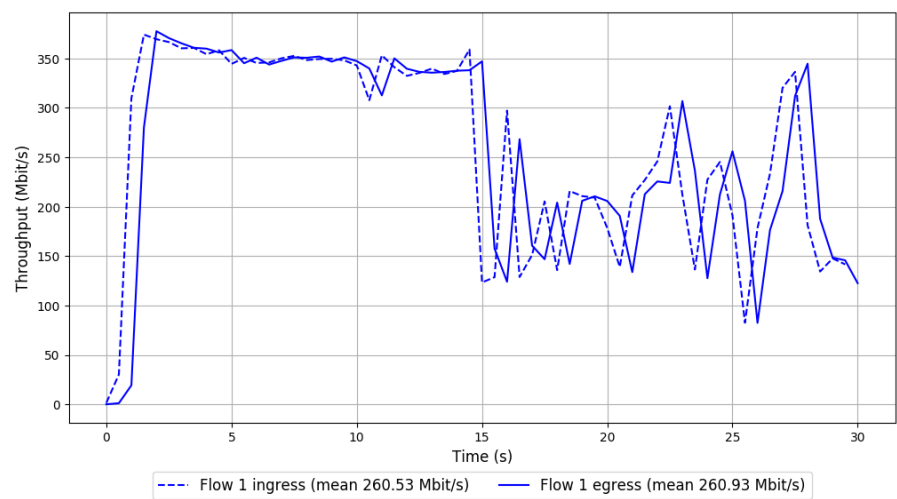
-- Flow 1:

Average throughput: 260.93 Mbit/s

95th percentile per-packet one-way delay: 56.420 ms

Loss rate: 0.18%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-07 14:28:00

End at: 2018-06-07 14:28:30

Local clock offset: -0.049 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2018-06-07 15:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.68 Mbit/s

95th percentile per-packet one-way delay: 57.512 ms

Loss rate: 0.06%

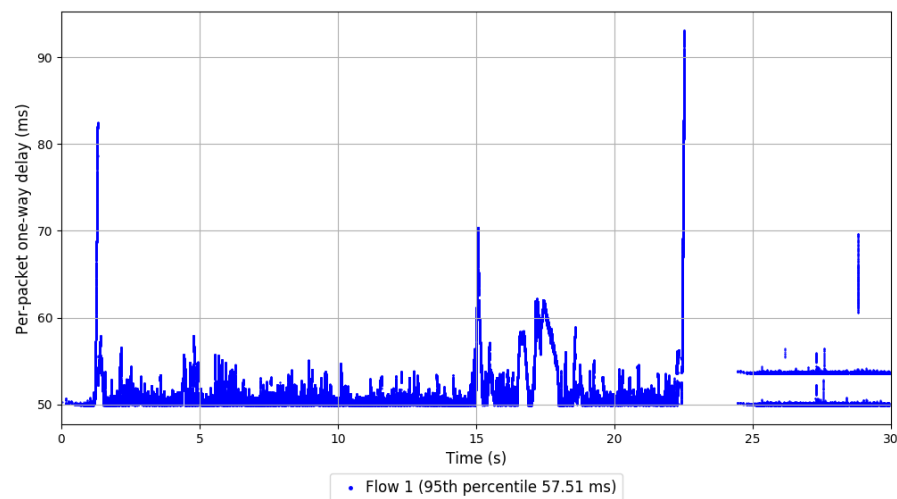
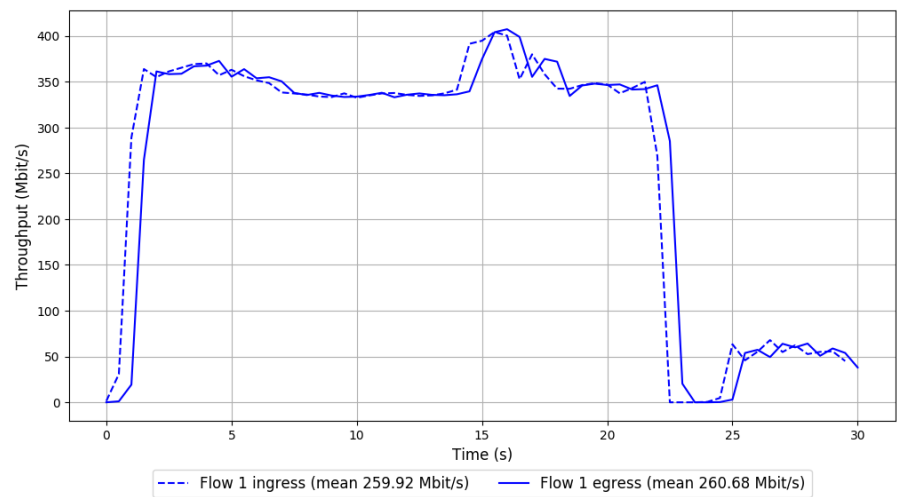
-- Flow 1:

Average throughput: 260.68 Mbit/s

95th percentile per-packet one-way delay: 57.512 ms

Loss rate: 0.06%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-07 14:48:58

End at: 2018-06-07 14:49:28

Local clock offset: -0.055 ms

Remote clock offset: 1.0 ms

Below is generated by plot.py at 2018-06-07 15:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.25 Mbit/s

95th percentile per-packet one-way delay: 53.872 ms

Loss rate: 0.67%

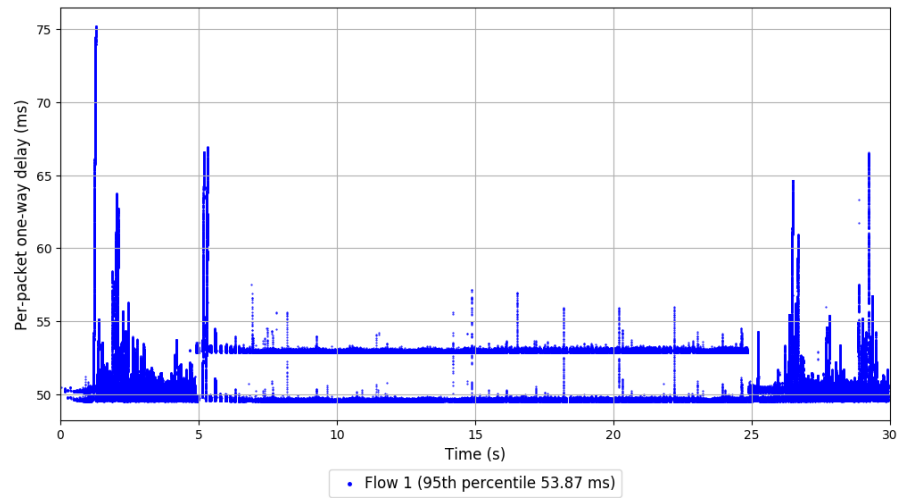
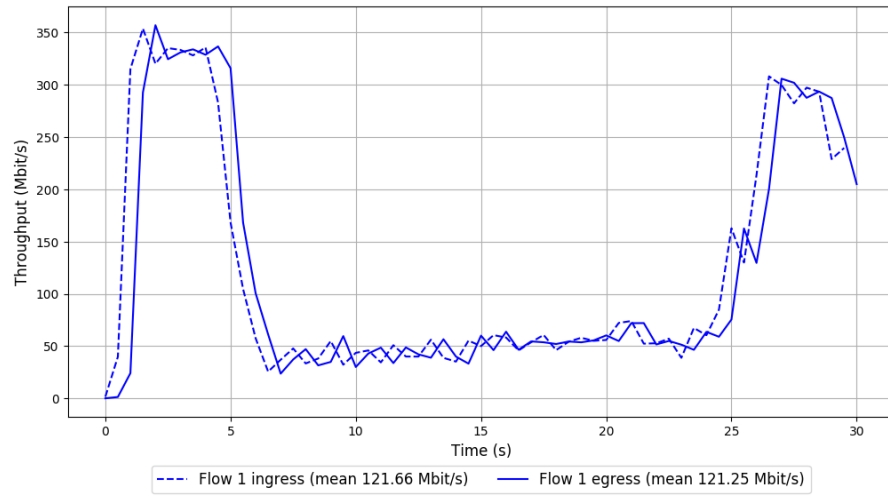
-- Flow 1:

Average throughput: 121.25 Mbit/s

95th percentile per-packet one-way delay: 53.872 ms

Loss rate: 0.67%

Run 10: Report of Copa — Data Link

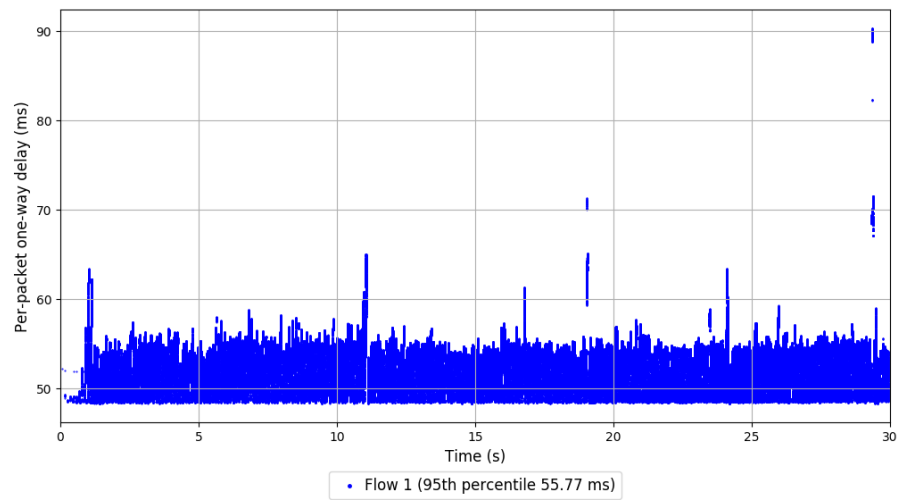
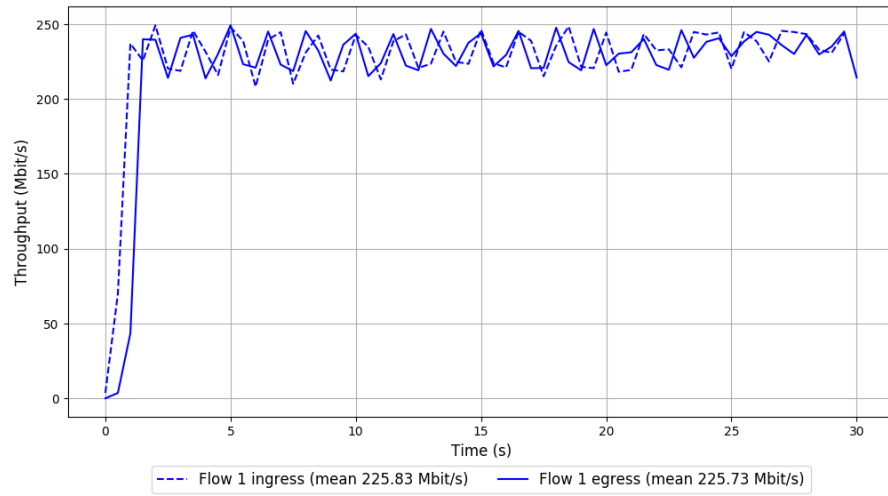


Run 1: Statistics of TCP Cubic

Start at: 2018-06-07 11:28:10
End at: 2018-06-07 11:28:40
Local clock offset: -1.63 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-07 15:16:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.73 Mbit/s
95th percentile per-packet one-way delay: 55.769 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 225.73 Mbit/s
95th percentile per-packet one-way delay: 55.769 ms
Loss rate: 0.39%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-07 11:48:42

End at: 2018-06-07 11:49:12

Local clock offset: -0.339 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-06-07 15:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.35 Mbit/s

95th percentile per-packet one-way delay: 56.942 ms

Loss rate: 0.16%

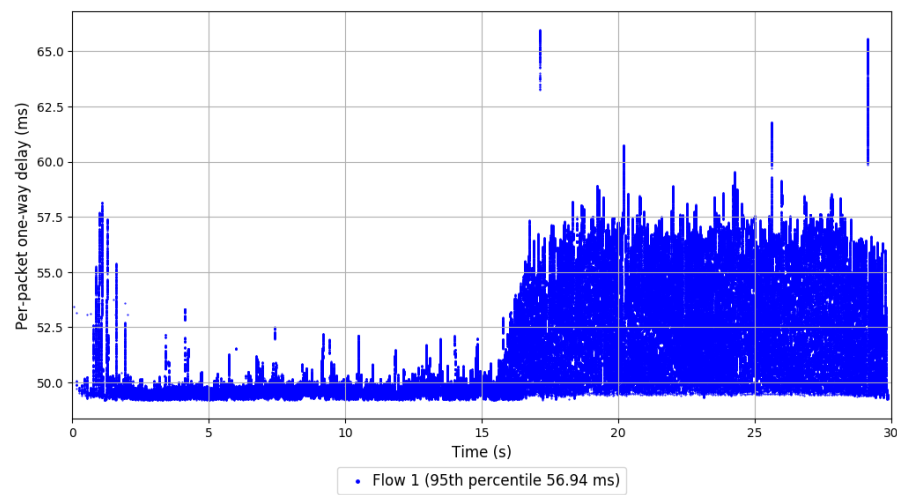
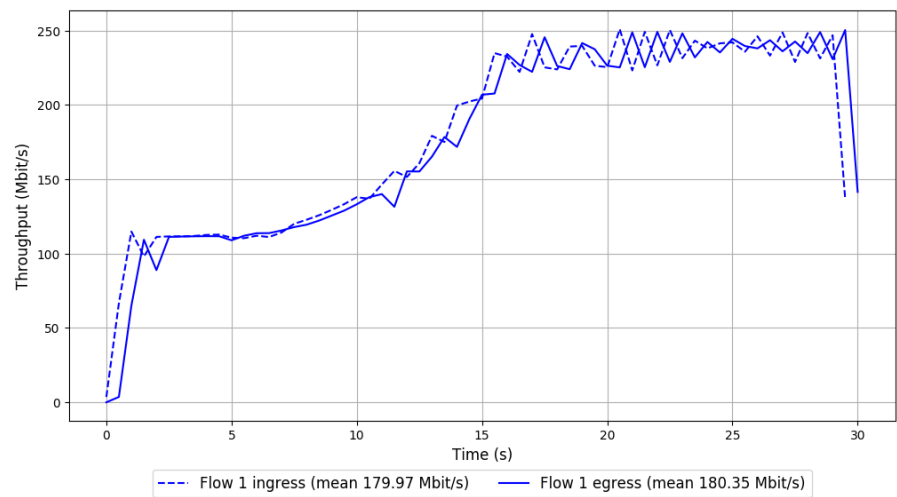
-- Flow 1:

Average throughput: 180.35 Mbit/s

95th percentile per-packet one-way delay: 56.942 ms

Loss rate: 0.16%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-07 12:09:10

End at: 2018-06-07 12:09:40

Local clock offset: -0.195 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-06-07 15:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.42 Mbit/s

95th percentile per-packet one-way delay: 56.809 ms

Loss rate: 0.36%

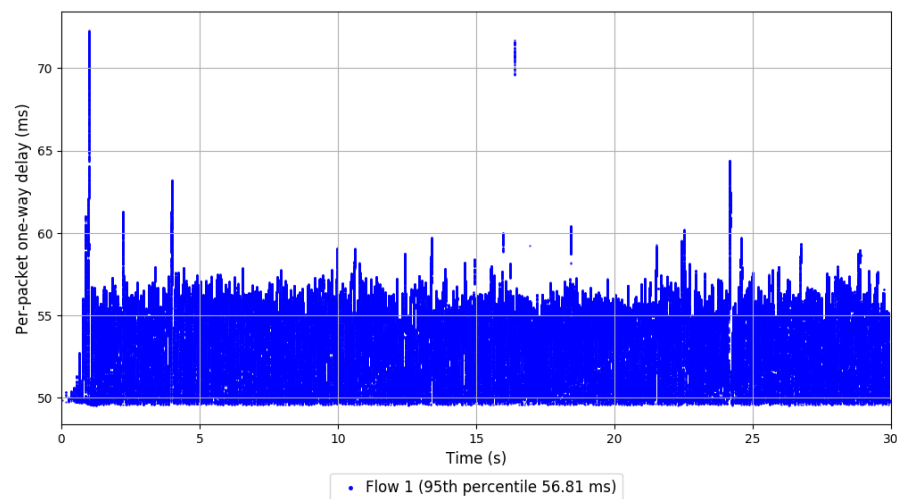
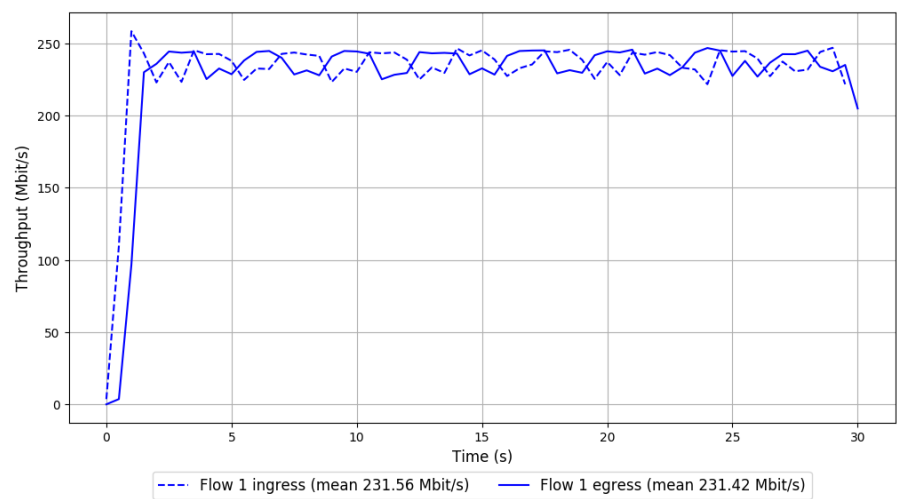
-- Flow 1:

Average throughput: 231.42 Mbit/s

95th percentile per-packet one-way delay: 56.809 ms

Loss rate: 0.36%

Run 3: Report of TCP Cubic — Data Link

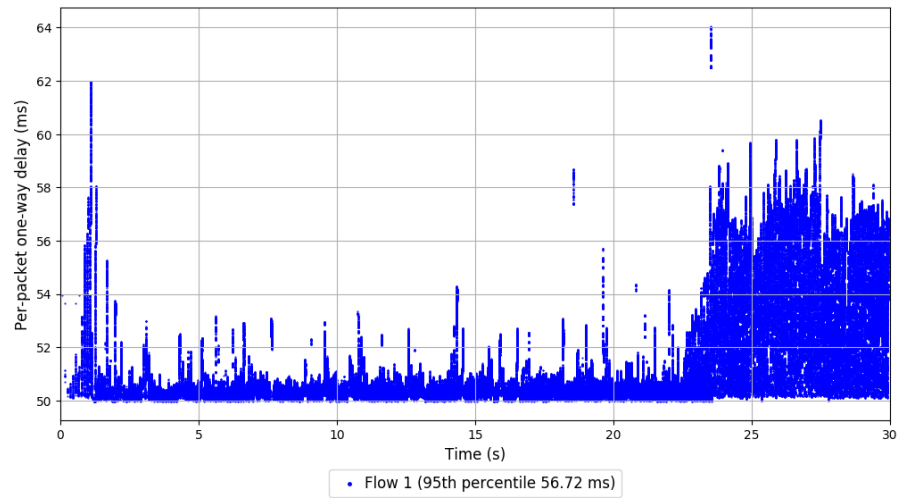
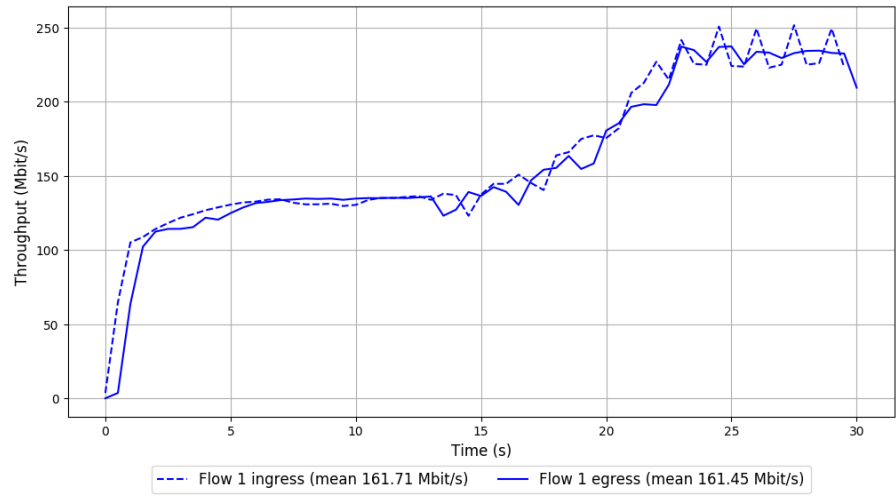


Run 4: Statistics of TCP Cubic

Start at: 2018-06-07 12:29:40
End at: 2018-06-07 12:30:10
Local clock offset: -0.305 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-06-07 15:16:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.45 Mbit/s
95th percentile per-packet one-way delay: 56.722 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 161.45 Mbit/s
95th percentile per-packet one-way delay: 56.722 ms
Loss rate: 0.50%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-07 12:49:23

End at: 2018-06-07 12:49:53

Local clock offset: -1.721 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-06-07 15:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.85 Mbit/s

95th percentile per-packet one-way delay: 55.559 ms

Loss rate: 0.37%

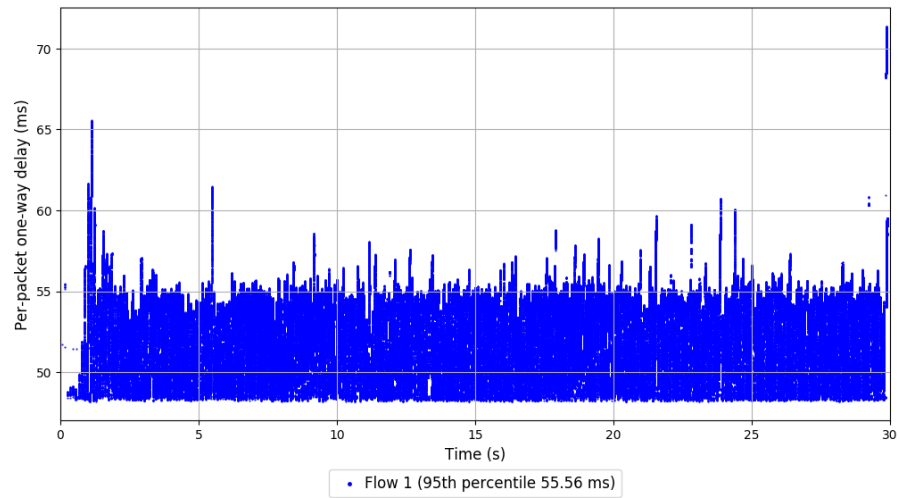
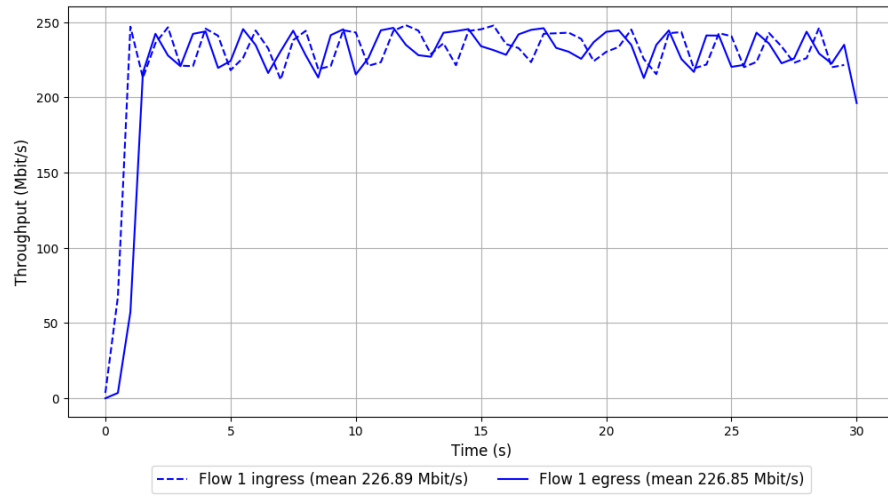
-- Flow 1:

Average throughput: 226.85 Mbit/s

95th percentile per-packet one-way delay: 55.559 ms

Loss rate: 0.37%

Run 5: Report of TCP Cubic — Data Link

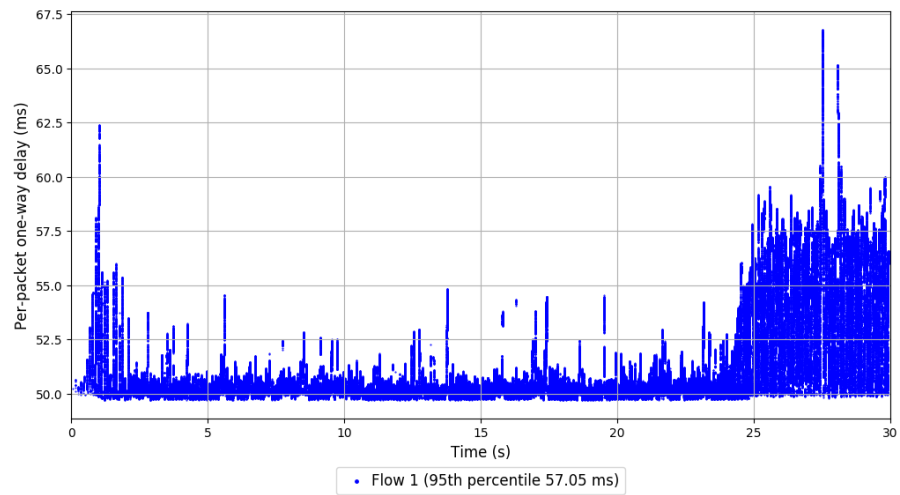
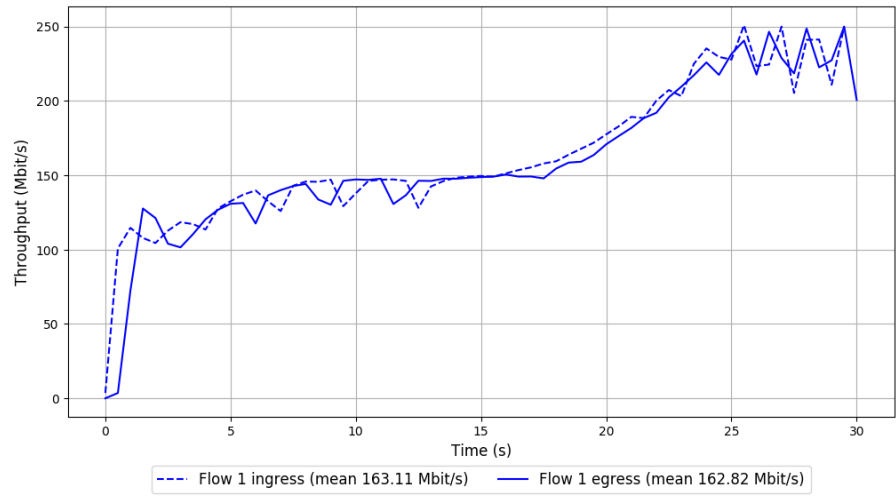


Run 6: Statistics of TCP Cubic

Start at: 2018-06-07 13:09:30
End at: 2018-06-07 13:10:00
Local clock offset: -0.401 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-06-07 15:16:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.82 Mbit/s
95th percentile per-packet one-way delay: 57.050 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 162.82 Mbit/s
95th percentile per-packet one-way delay: 57.050 ms
Loss rate: 0.50%

Run 6: Report of TCP Cubic — Data Link

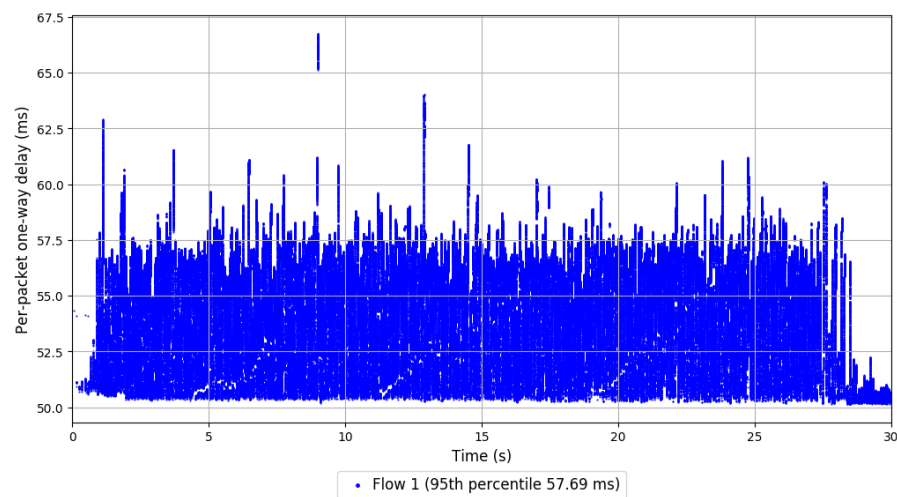
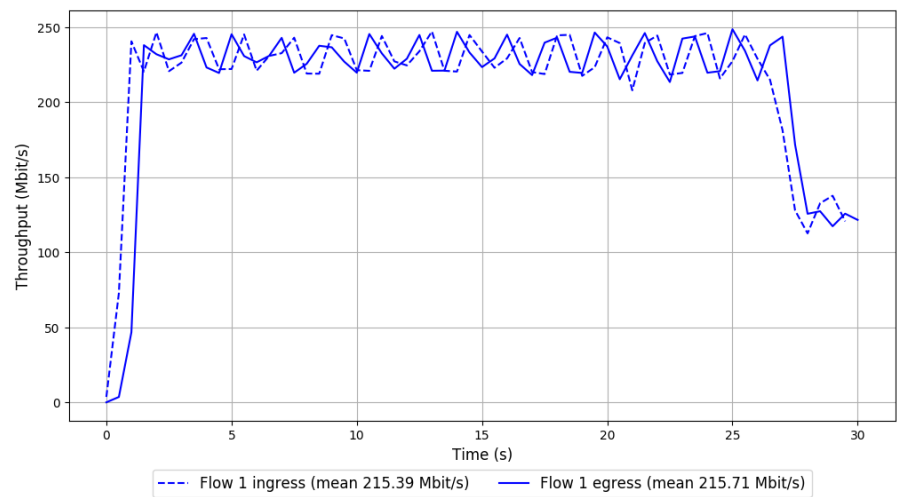


Run 7: Statistics of TCP Cubic

Start at: 2018-06-07 13:29:49
End at: 2018-06-07 13:30:19
Local clock offset: -0.135 ms
Remote clock offset: -0.478 ms

Below is generated by plot.py at 2018-06-07 15:16:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.71 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 215.71 Mbit/s
95th percentile per-packet one-way delay: 57.686 ms
Loss rate: 0.20%

Run 7: Report of TCP Cubic — Data Link

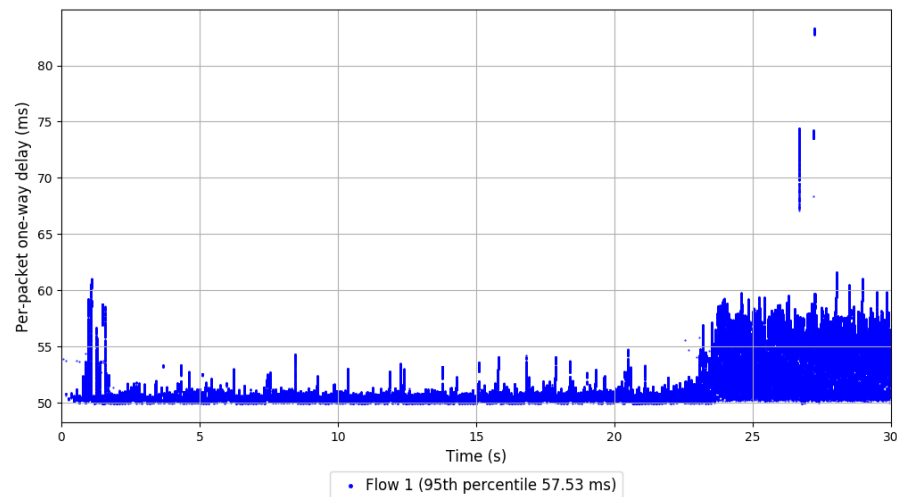
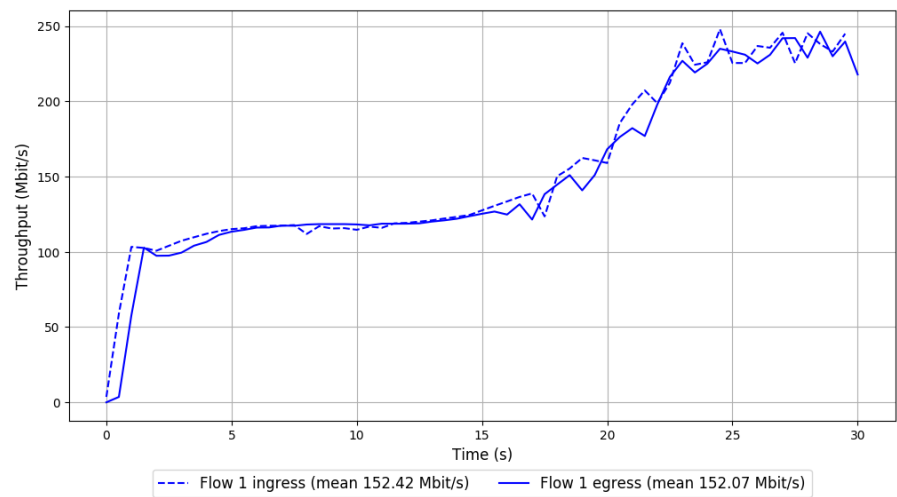


Run 8: Statistics of TCP Cubic

Start at: 2018-06-07 13:49:57
End at: 2018-06-07 13:50:27
Local clock offset: 0.139 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-07 15:16:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.07 Mbit/s
95th percentile per-packet one-way delay: 57.526 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 152.07 Mbit/s
95th percentile per-packet one-way delay: 57.526 ms
Loss rate: 0.57%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-07 14:10:20

End at: 2018-06-07 14:10:50

Local clock offset: -0.021 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-06-07 15:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.14 Mbit/s

95th percentile per-packet one-way delay: 57.442 ms

Loss rate: 0.46%

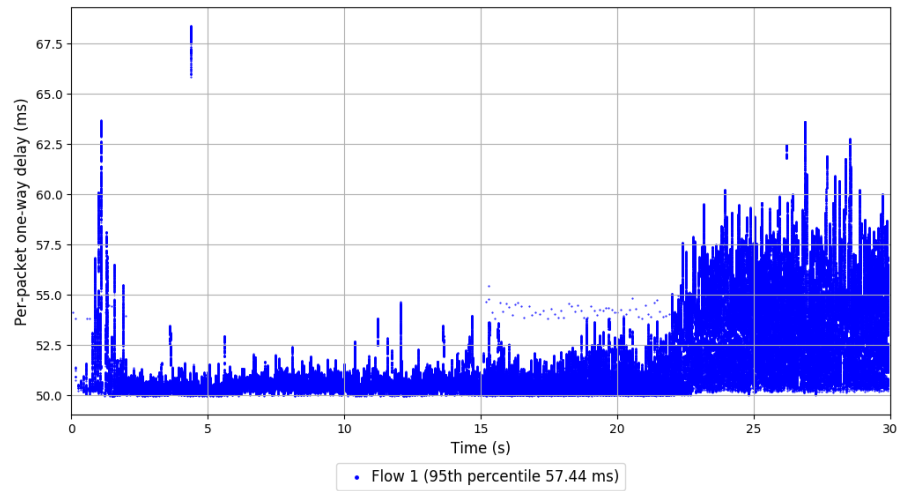
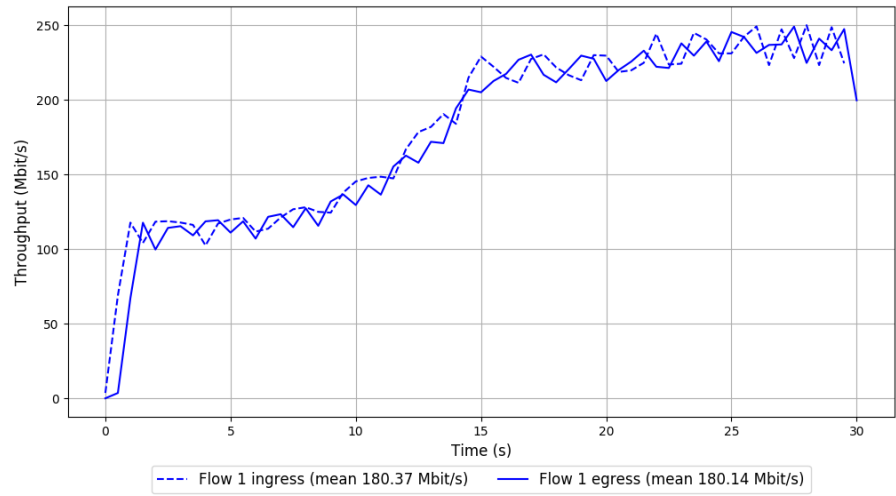
-- Flow 1:

Average throughput: 180.14 Mbit/s

95th percentile per-packet one-way delay: 57.442 ms

Loss rate: 0.46%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-07 14:30:37

End at: 2018-06-07 14:31:07

Local clock offset: -0.17 ms

Remote clock offset: 0.789 ms

Below is generated by plot.py at 2018-06-07 15:18:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.83 Mbit/s

95th percentile per-packet one-way delay: 57.080 ms

Loss rate: 0.37%

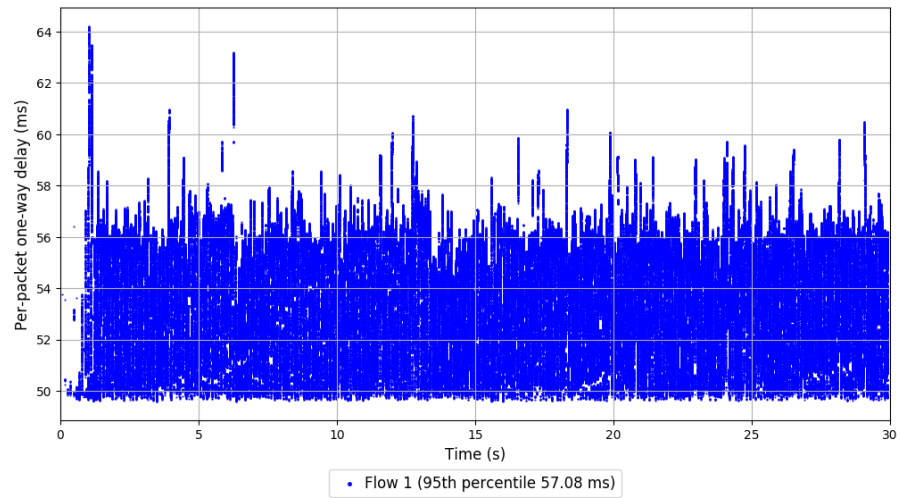
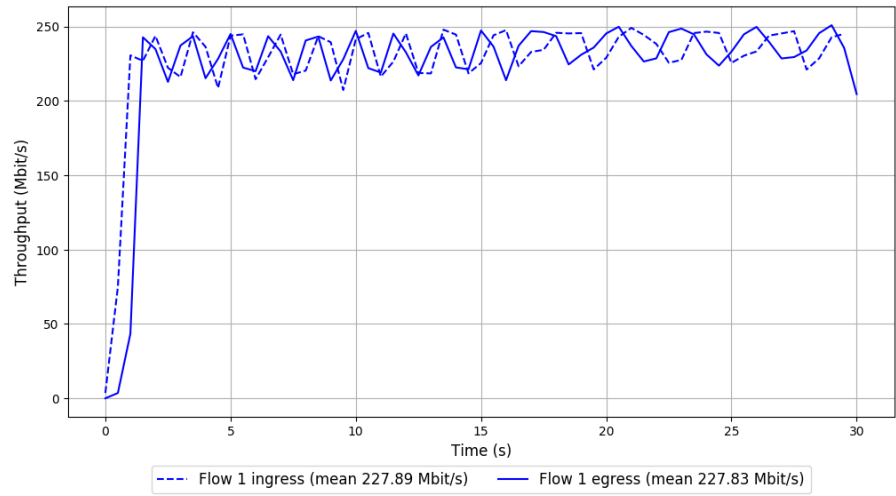
-- Flow 1:

Average throughput: 227.83 Mbit/s

95th percentile per-packet one-way delay: 57.080 ms

Loss rate: 0.37%

Run 10: Report of TCP Cubic — Data Link

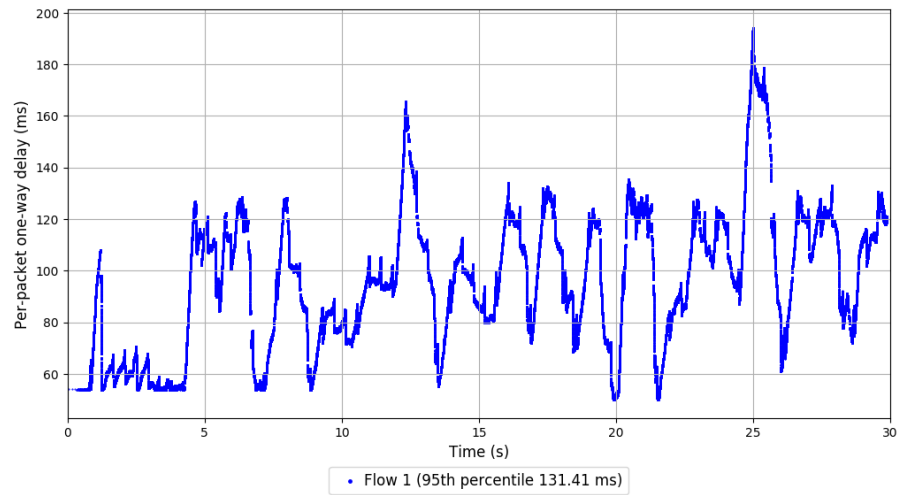
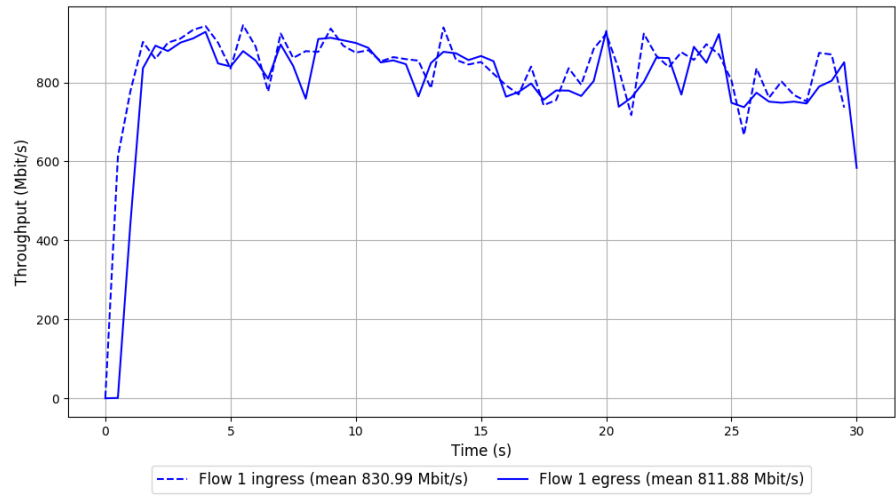


Run 1: Statistics of FillP

Start at: 2018-06-07 11:37:07
End at: 2018-06-07 11:37:37
Local clock offset: 0.098 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-07 15:32:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 811.88 Mbit/s
95th percentile per-packet one-way delay: 131.405 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 811.88 Mbit/s
95th percentile per-packet one-way delay: 131.405 ms
Loss rate: 2.65%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-07 11:57:35

End at: 2018-06-07 11:58:05

Local clock offset: -1.709 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-06-07 15:32:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 706.44 Mbit/s

95th percentile per-packet one-way delay: 234.520 ms

Loss rate: 0.95%

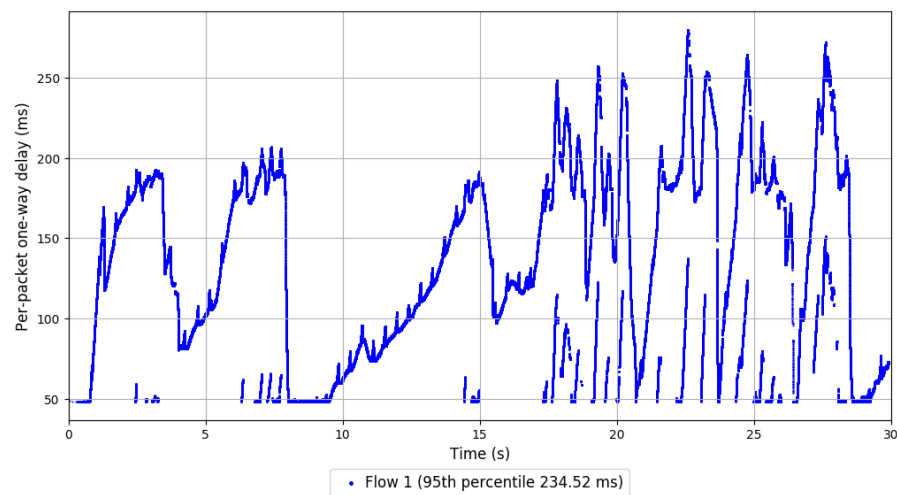
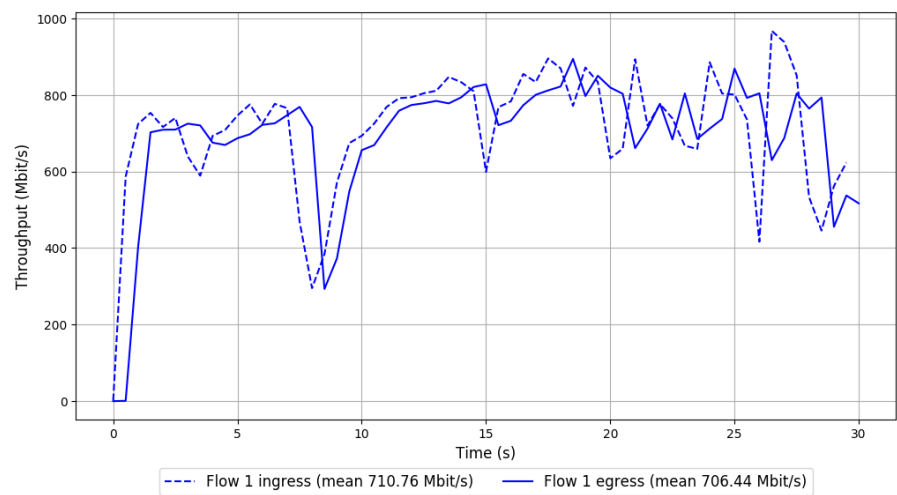
-- Flow 1:

Average throughput: 706.44 Mbit/s

95th percentile per-packet one-way delay: 234.520 ms

Loss rate: 0.95%

Run 2: Report of FillP — Data Link

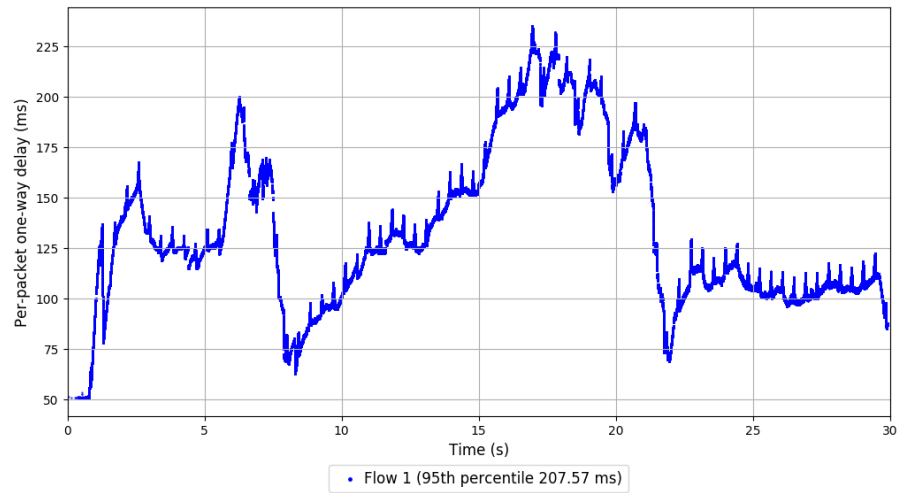
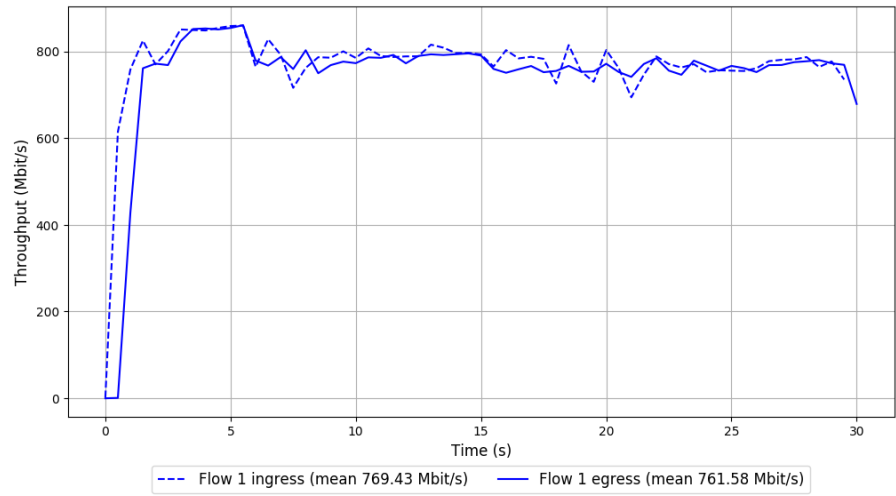


Run 3: Statistics of FillP

Start at: 2018-06-07 12:18:09
End at: 2018-06-07 12:18:39
Local clock offset: 0.336 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-06-07 15:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 761.58 Mbit/s
95th percentile per-packet one-way delay: 207.570 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 761.58 Mbit/s
95th percentile per-packet one-way delay: 207.570 ms
Loss rate: 1.35%

Run 3: Report of FillP — Data Link

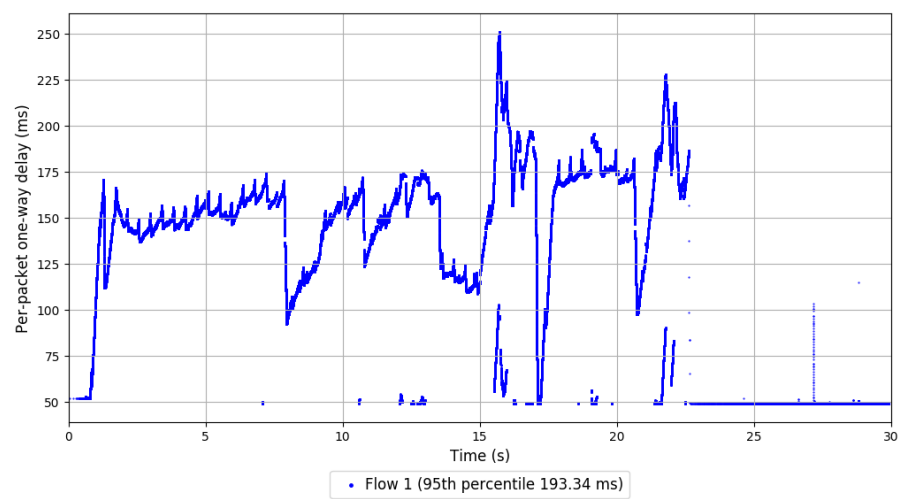
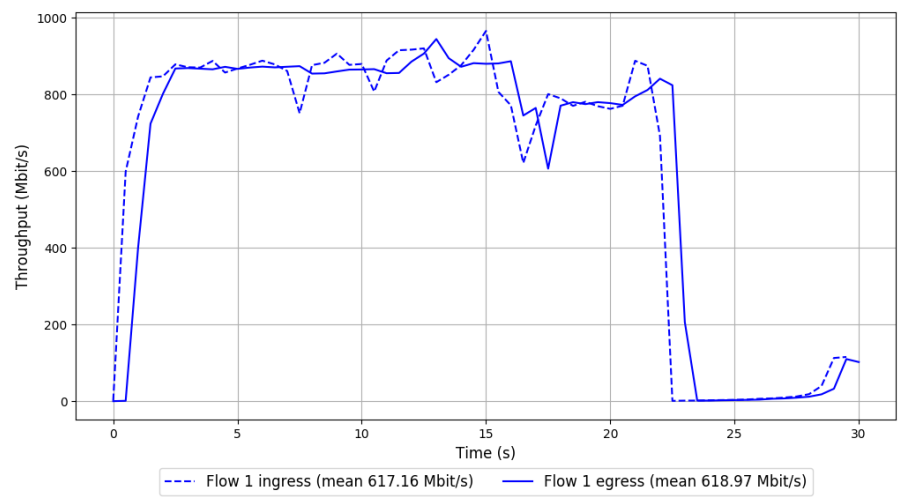


Run 4: Statistics of FillP

Start at: 2018-06-07 12:38:05
End at: 2018-06-07 12:38:35
Local clock offset: -1.563 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-07 15:32:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 618.97 Mbit/s
95th percentile per-packet one-way delay: 193.345 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 618.97 Mbit/s
95th percentile per-packet one-way delay: 193.345 ms
Loss rate: 0.07%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-07 12:58:02

End at: 2018-06-07 12:58:32

Local clock offset: -0.064 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-06-07 15:33:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 813.73 Mbit/s

95th percentile per-packet one-way delay: 188.710 ms

Loss rate: 1.88%

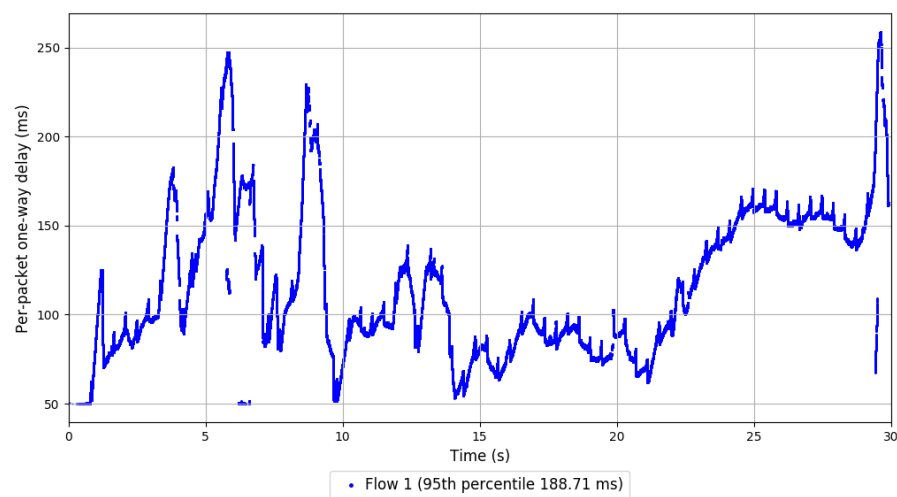
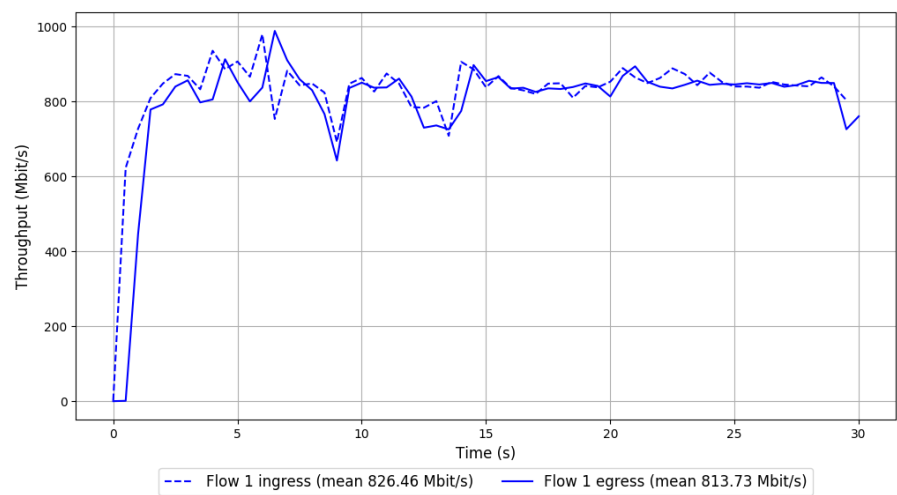
-- Flow 1:

Average throughput: 813.73 Mbit/s

95th percentile per-packet one-way delay: 188.710 ms

Loss rate: 1.88%

Run 5: Report of FillP — Data Link

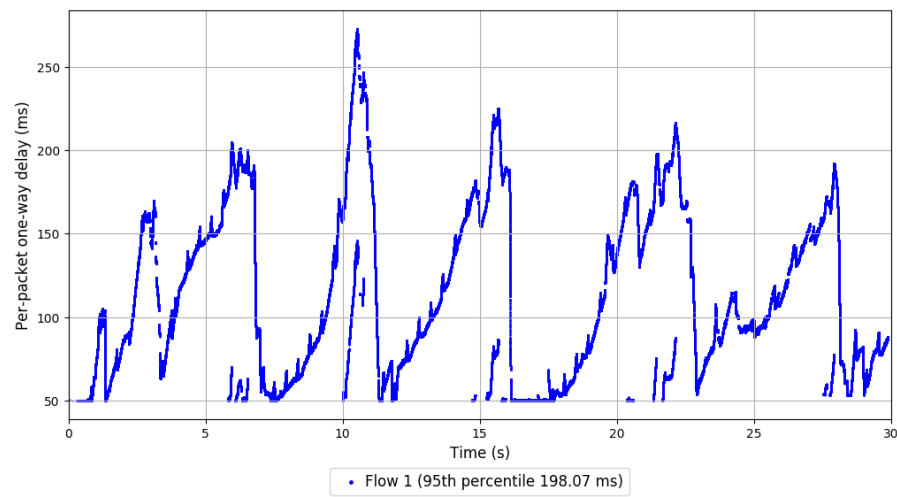
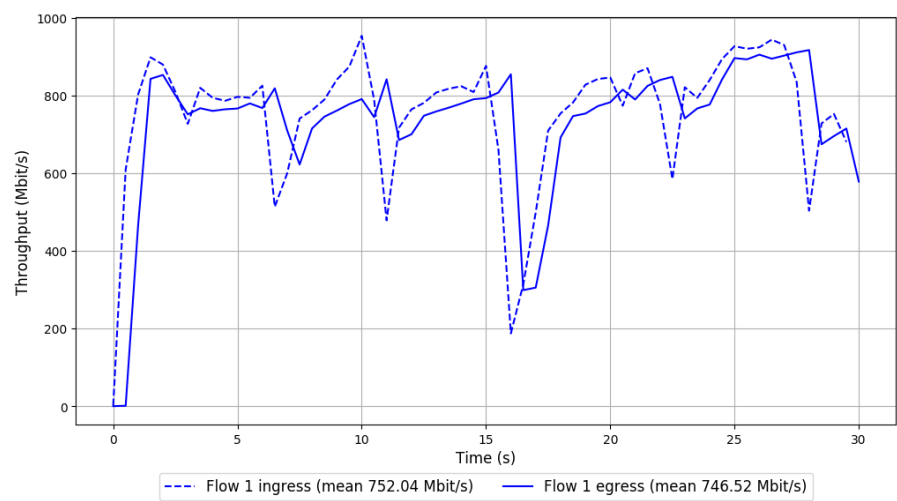


Run 6: Statistics of FillP

Start at: 2018-06-07 13:18:05
End at: 2018-06-07 13:18:35
Local clock offset: -0.317 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-06-07 15:33:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 746.52 Mbit/s
95th percentile per-packet one-way delay: 198.068 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 746.52 Mbit/s
95th percentile per-packet one-way delay: 198.068 ms
Loss rate: 1.08%

Run 6: Report of FillP — Data Link

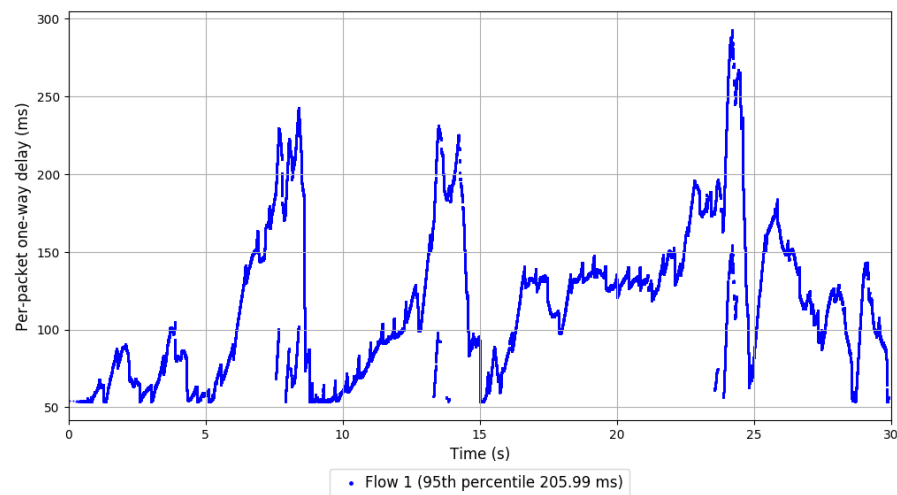
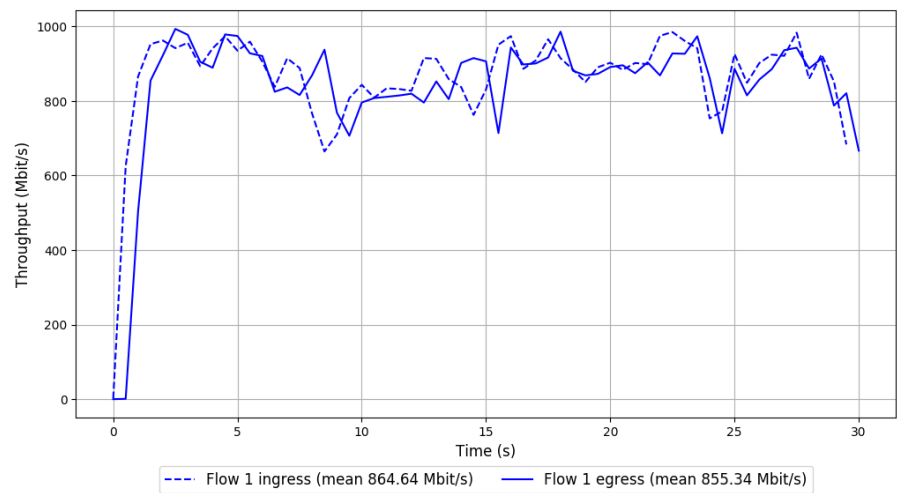


Run 7: Statistics of FillP

Start at: 2018-06-07 13:38:27
End at: 2018-06-07 13:38:57
Local clock offset: -0.16 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-06-07 15:35:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 855.34 Mbit/s
95th percentile per-packet one-way delay: 205.985 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 855.34 Mbit/s
95th percentile per-packet one-way delay: 205.985 ms
Loss rate: 1.43%

Run 7: Report of FillP — Data Link

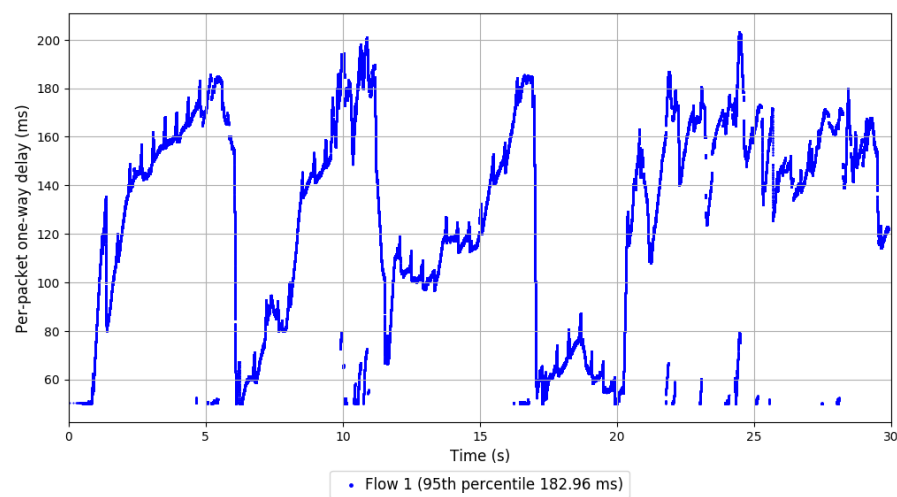
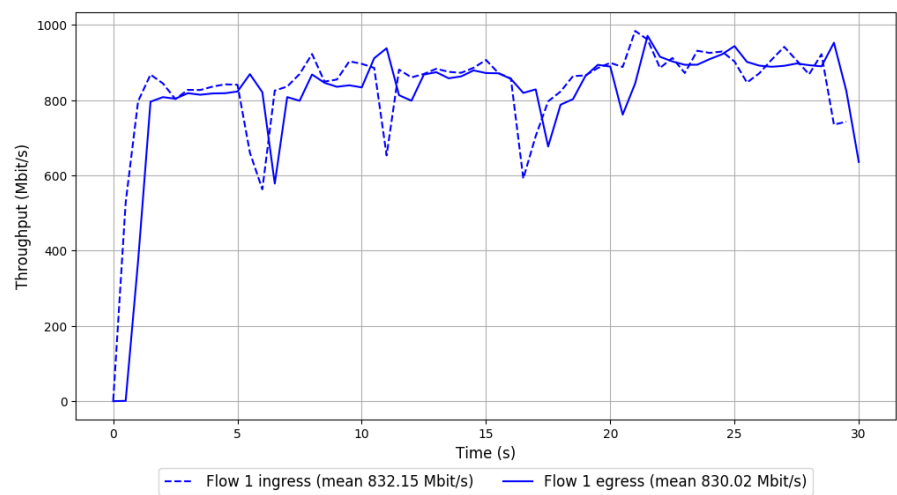


Run 8: Statistics of FillP

Start at: 2018-06-07 13:58:35
End at: 2018-06-07 13:59:05
Local clock offset: -0.144 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-06-07 15:36:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 830.02 Mbit/s
95th percentile per-packet one-way delay: 182.959 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 830.02 Mbit/s
95th percentile per-packet one-way delay: 182.959 ms
Loss rate: 0.61%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-07 14:18:54

End at: 2018-06-07 14:19:24

Local clock offset: -0.164 ms

Remote clock offset: 0.749 ms

Below is generated by plot.py at 2018-06-07 15:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.07 Mbit/s

95th percentile per-packet one-way delay: 189.702 ms

Loss rate: 2.04%

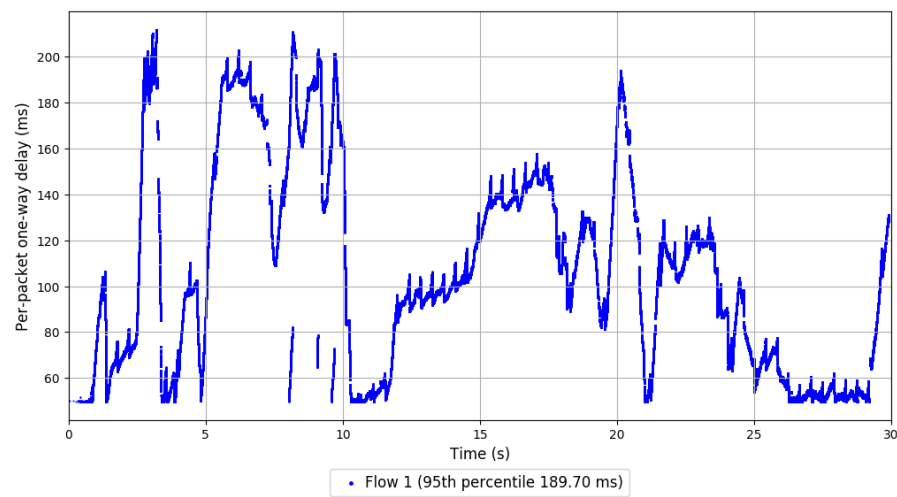
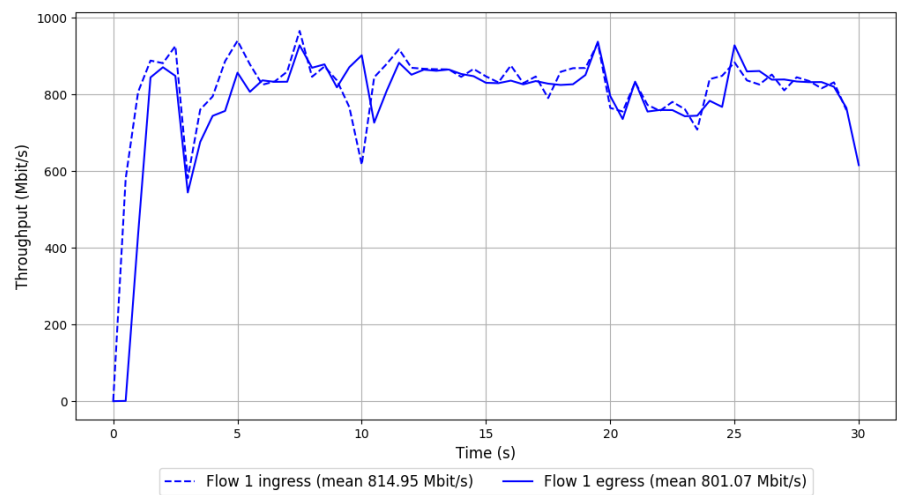
-- Flow 1:

Average throughput: 801.07 Mbit/s

95th percentile per-packet one-way delay: 189.702 ms

Loss rate: 2.04%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-07 14:39:47

End at: 2018-06-07 14:40:17

Local clock offset: 0.07 ms

Remote clock offset: 0.521 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 819.16 Mbit/s

95th percentile per-packet one-way delay: 195.626 ms

Loss rate: 2.39%

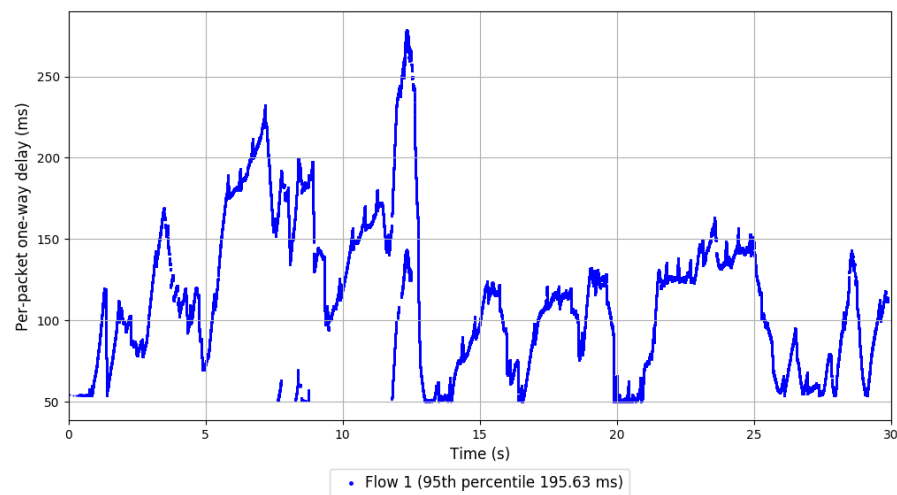
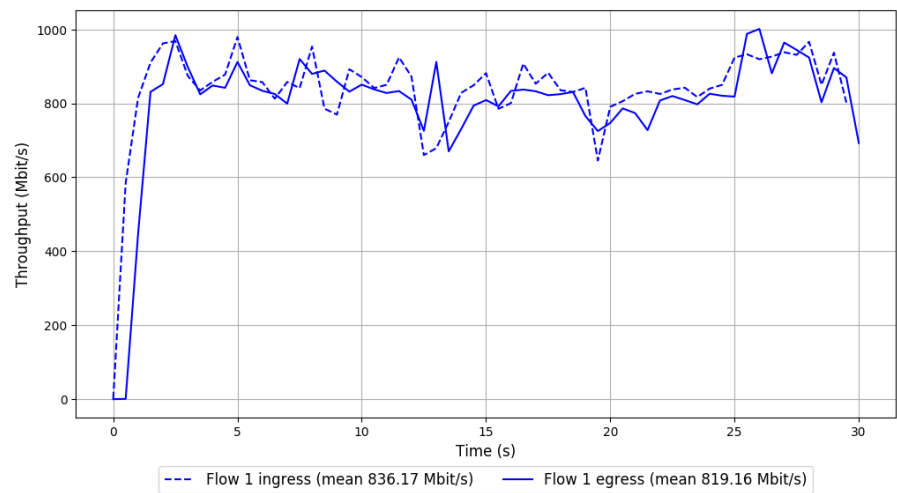
-- Flow 1:

Average throughput: 819.16 Mbit/s

95th percentile per-packet one-way delay: 195.626 ms

Loss rate: 2.39%

Run 10: Report of FillP — Data Link

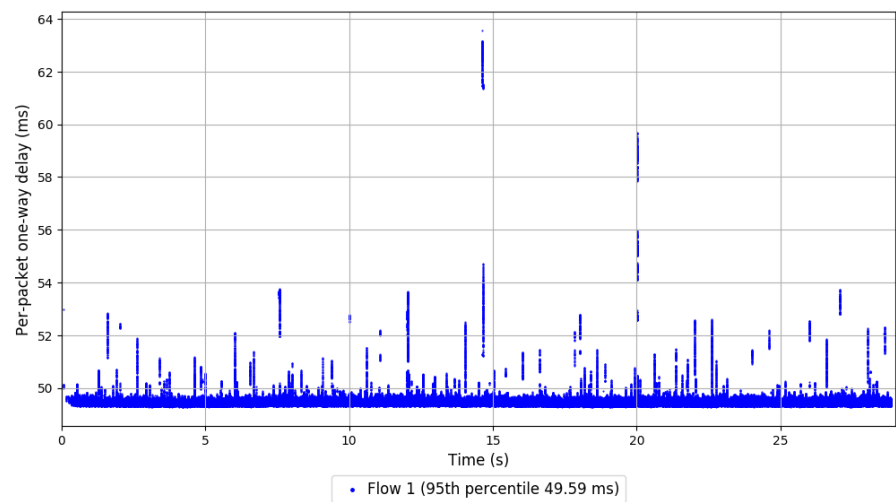
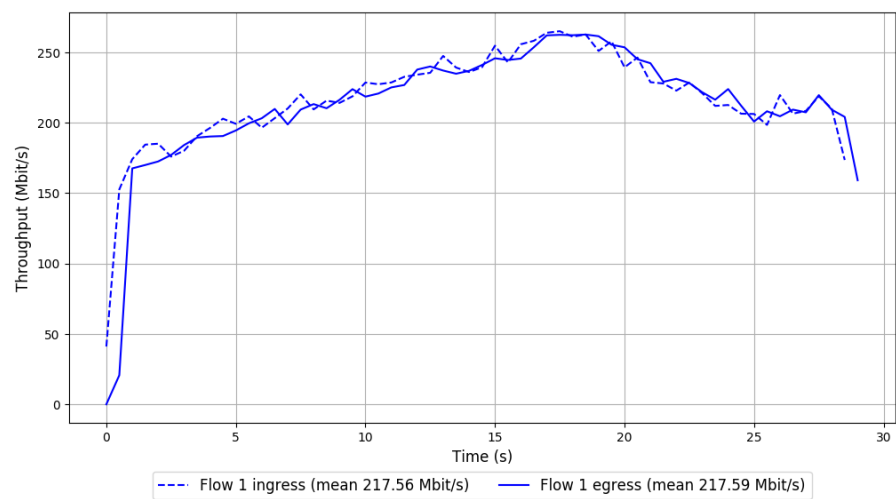


```
Run 1: Statistics of Indigo

Start at: 2018-06-07 11:41:13
End at: 2018-06-07 11:41:43
Local clock offset: -0.396 ms
Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.59 Mbit/s
95th percentile per-packet one-way delay: 49.594 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 217.59 Mbit/s
95th percentile per-packet one-way delay: 49.594 ms
Loss rate: 0.34%
```

Run 1: Report of Indigo — Data Link

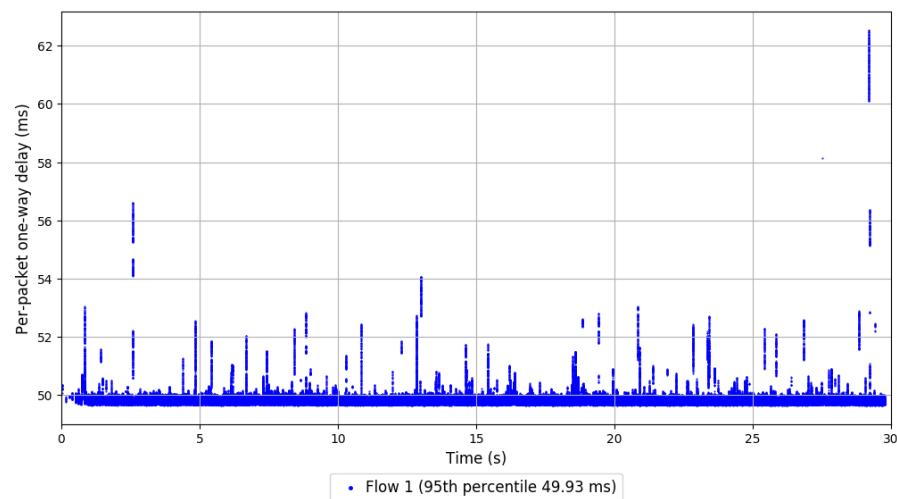
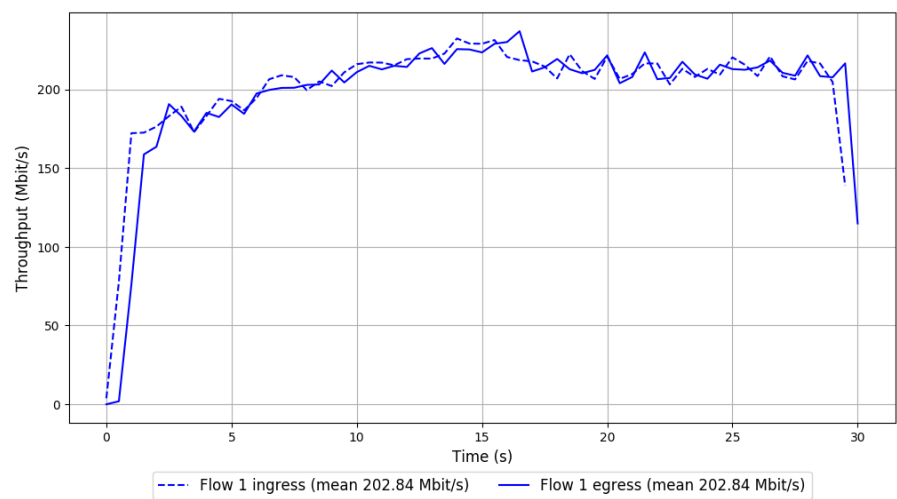


Run 2: Statistics of Indigo

Start at: 2018-06-07 12:01:37
End at: 2018-06-07 12:02:07
Local clock offset: -0.211 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-07 15:49:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.84 Mbit/s
95th percentile per-packet one-way delay: 49.932 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 202.84 Mbit/s
95th percentile per-packet one-way delay: 49.932 ms
Loss rate: 0.34%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-07 12:22:12

End at: 2018-06-07 12:22:42

Local clock offset: -0.393 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.10 Mbit/s

95th percentile per-packet one-way delay: 49.579 ms

Loss rate: 0.33%

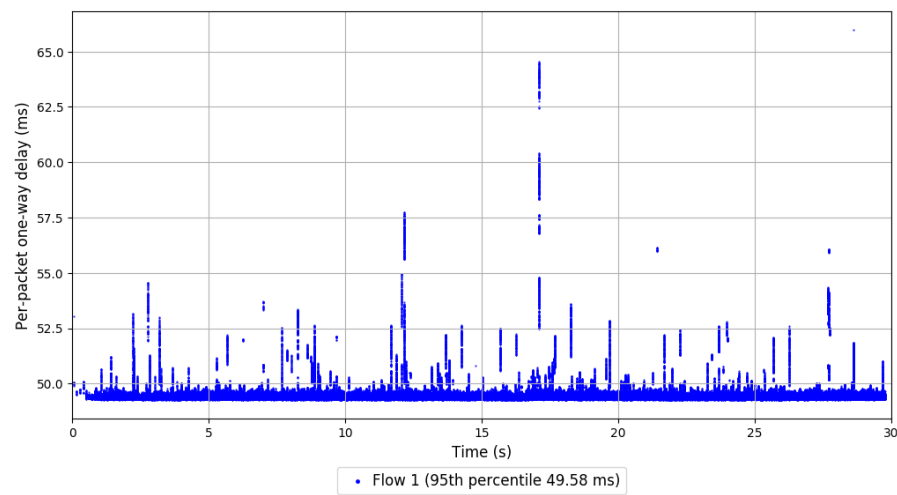
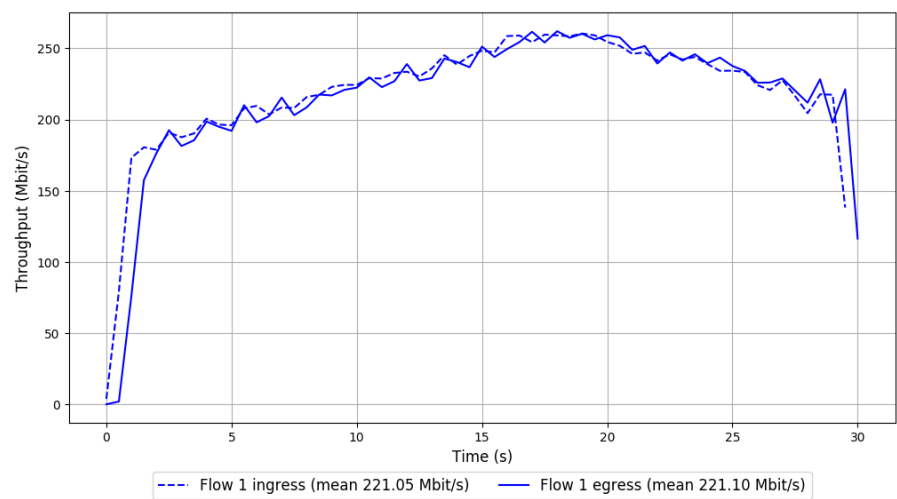
-- Flow 1:

Average throughput: 221.10 Mbit/s

95th percentile per-packet one-way delay: 49.579 ms

Loss rate: 0.33%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-07 12:42:02

End at: 2018-06-07 12:42:32

Local clock offset: -0.44 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.02 Mbit/s

95th percentile per-packet one-way delay: 49.699 ms

Loss rate: 0.33%

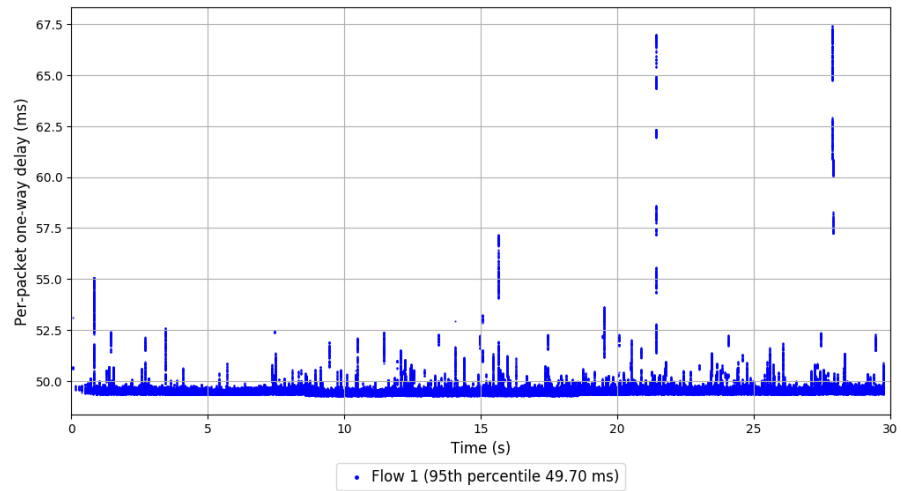
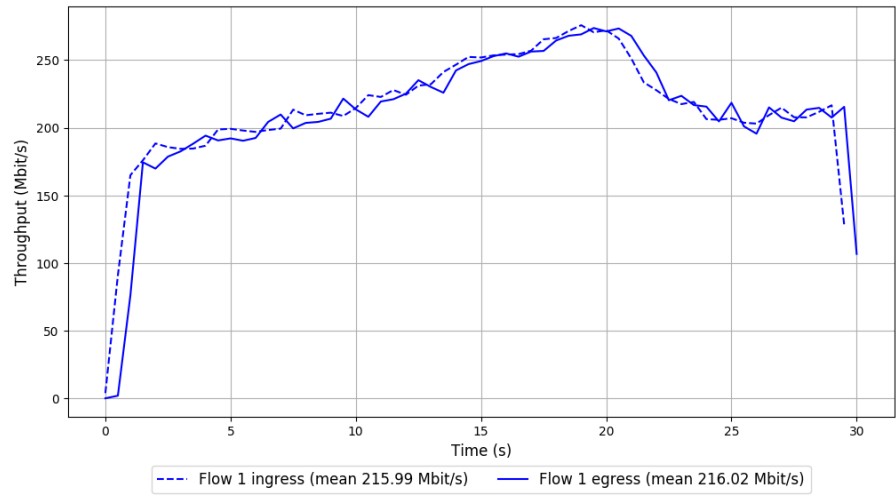
-- Flow 1:

Average throughput: 216.02 Mbit/s

95th percentile per-packet one-way delay: 49.699 ms

Loss rate: 0.33%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-07 13:02:08

End at: 2018-06-07 13:02:38

Local clock offset: -0.411 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.36 Mbit/s

95th percentile per-packet one-way delay: 49.764 ms

Loss rate: 0.36%

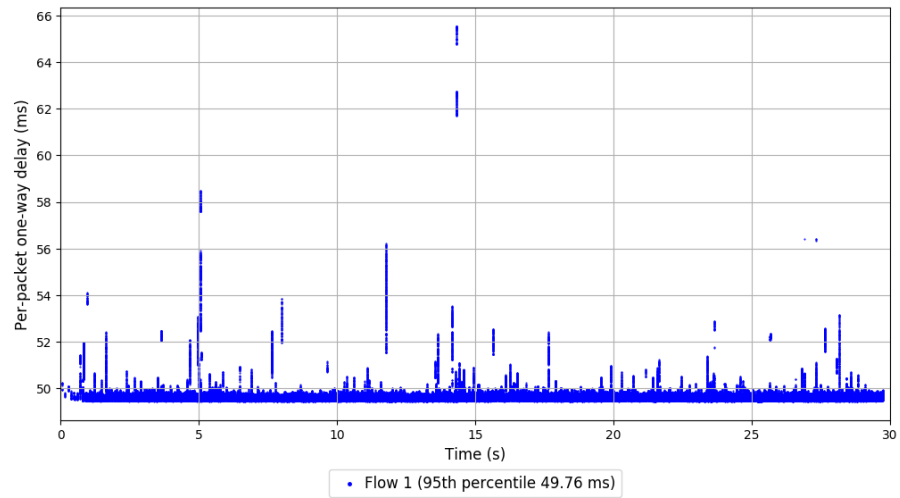
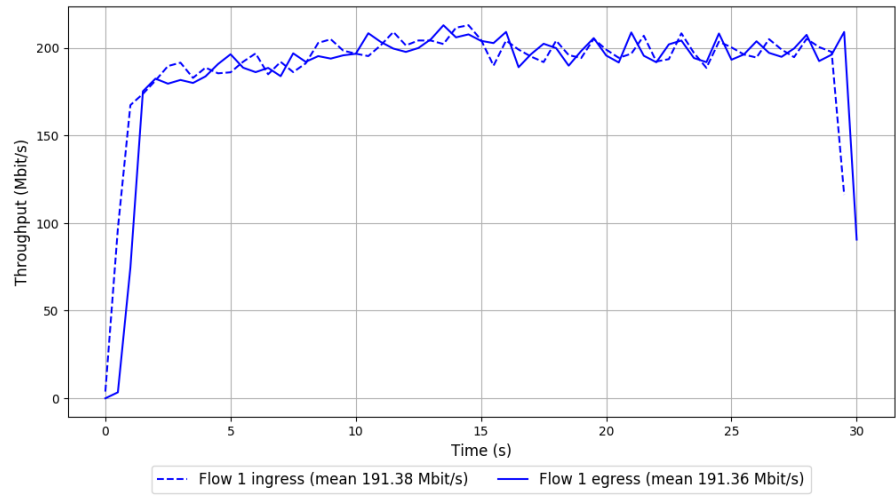
-- Flow 1:

Average throughput: 191.36 Mbit/s

95th percentile per-packet one-way delay: 49.764 ms

Loss rate: 0.36%

Run 5: Report of Indigo — Data Link

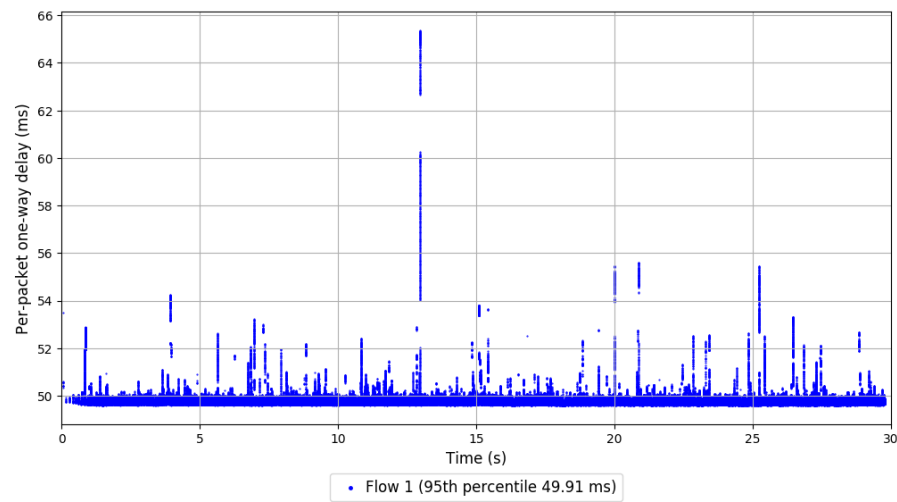
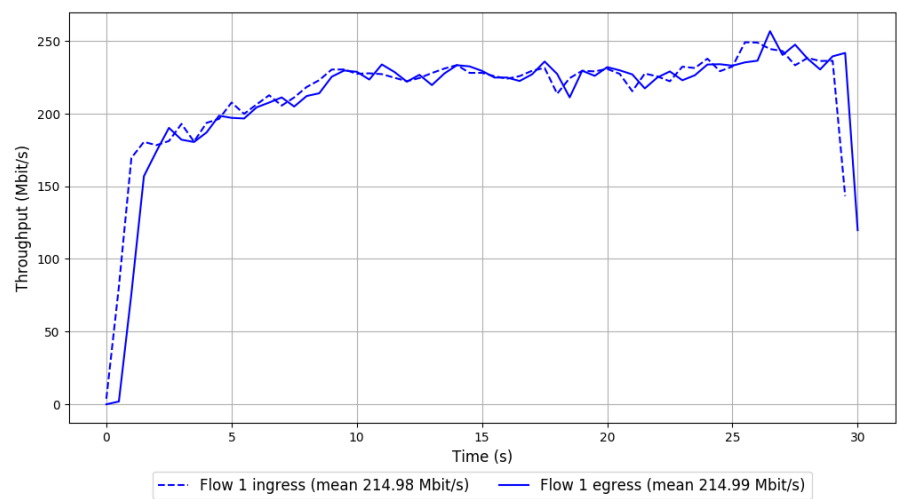


Run 6: Statistics of Indigo

Start at: 2018-06-07 13:22:09
End at: 2018-06-07 13:22:39
Local clock offset: -0.305 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-07 15:49:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.99 Mbit/s
95th percentile per-packet one-way delay: 49.906 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 214.99 Mbit/s
95th percentile per-packet one-way delay: 49.906 ms
Loss rate: 0.33%

Run 6: Report of Indigo — Data Link

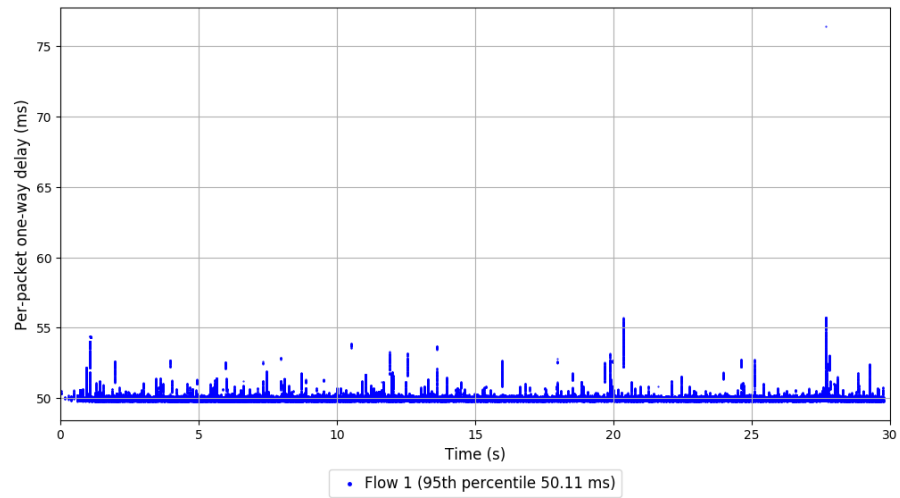
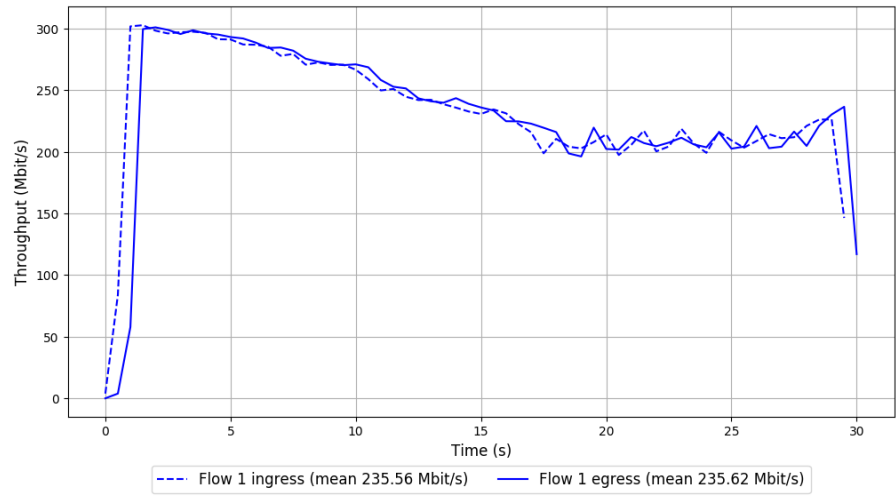


Run 7: Statistics of Indigo

Start at: 2018-06-07 13:42:36
End at: 2018-06-07 13:43:06
Local clock offset: -0.164 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-06-07 15:49:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.62 Mbit/s
95th percentile per-packet one-way delay: 50.111 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 235.62 Mbit/s
95th percentile per-packet one-way delay: 50.111 ms
Loss rate: 0.32%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-07 14:02:40

End at: 2018-06-07 14:03:10

Local clock offset: -0.311 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.62 Mbit/s

95th percentile per-packet one-way delay: 49.965 ms

Loss rate: 0.41%

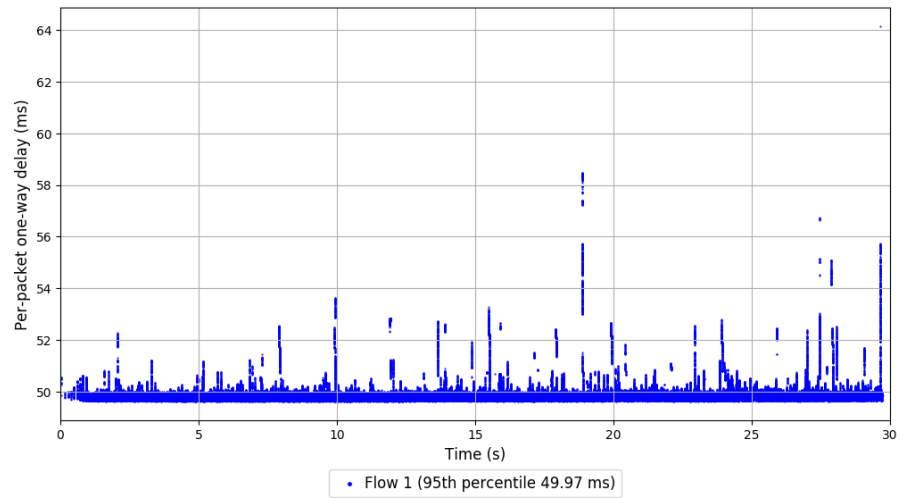
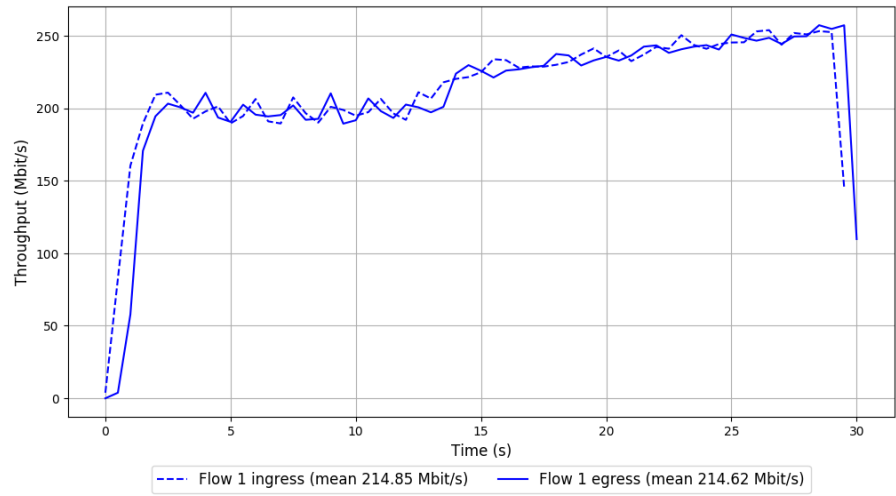
-- Flow 1:

Average throughput: 214.62 Mbit/s

95th percentile per-packet one-way delay: 49.965 ms

Loss rate: 0.41%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-07 14:22:59

End at: 2018-06-07 14:23:29

Local clock offset: -0.266 ms

Remote clock offset: 0.504 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.33 Mbit/s

95th percentile per-packet one-way delay: 49.995 ms

Loss rate: 0.38%

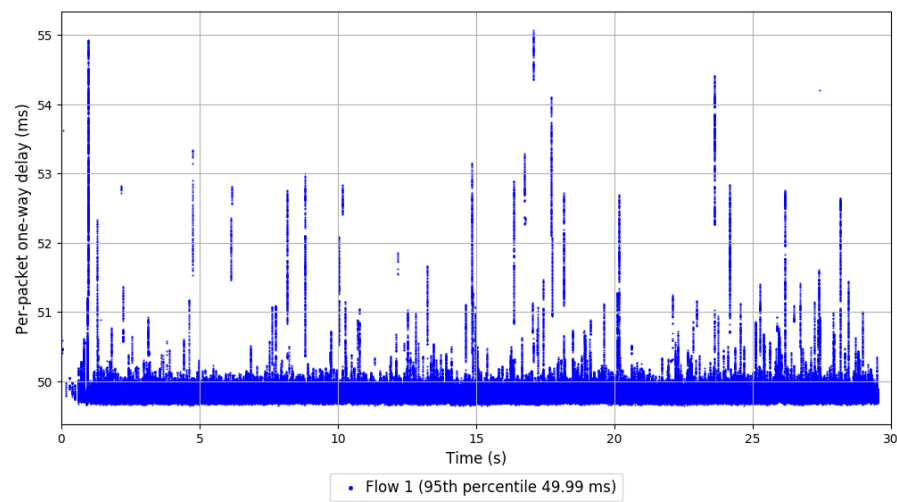
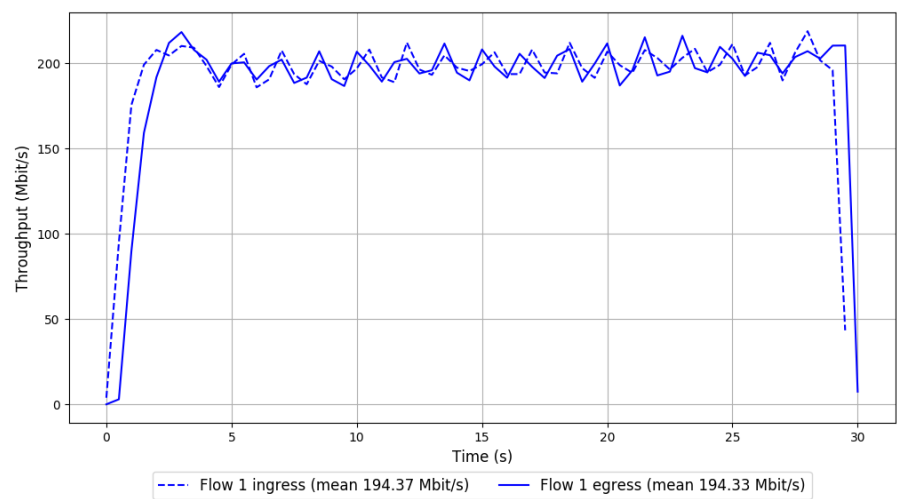
-- Flow 1:

Average throughput: 194.33 Mbit/s

95th percentile per-packet one-way delay: 49.995 ms

Loss rate: 0.38%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-07 14:43:54

End at: 2018-06-07 14:44:24

Local clock offset: 0.064 ms

Remote clock offset: 0.783 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.62 Mbit/s

95th percentile per-packet one-way delay: 50.139 ms

Loss rate: 0.40%

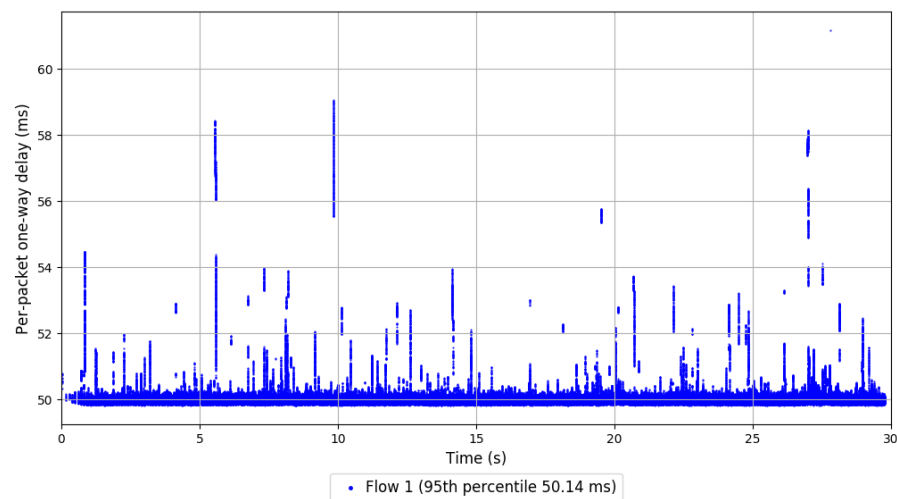
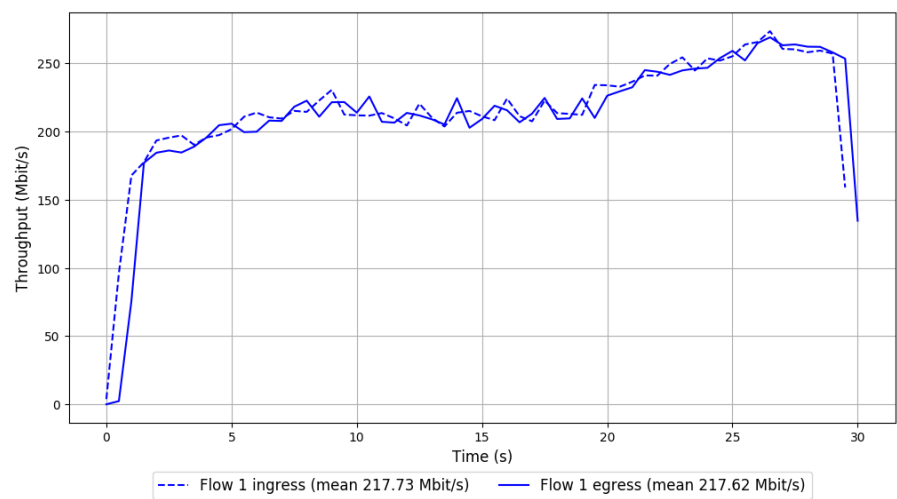
-- Flow 1:

Average throughput: 217.62 Mbit/s

95th percentile per-packet one-way delay: 50.139 ms

Loss rate: 0.40%

Run 10: Report of Indigo — Data Link

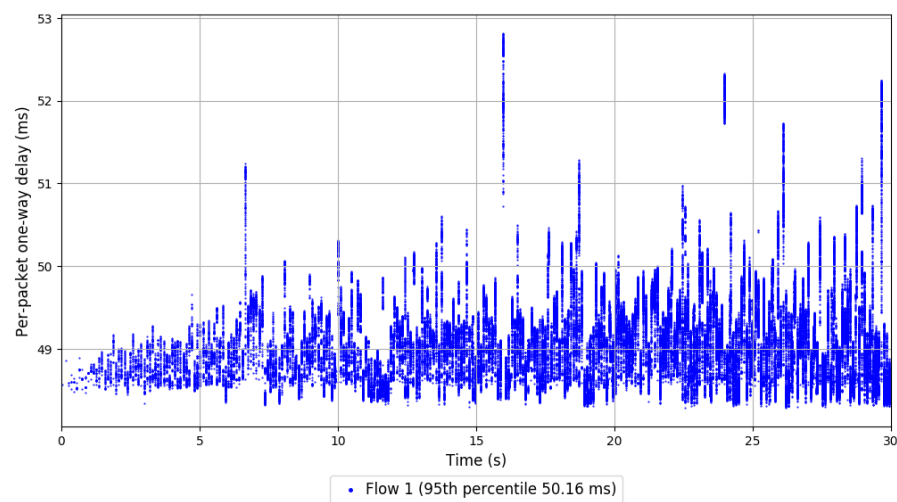
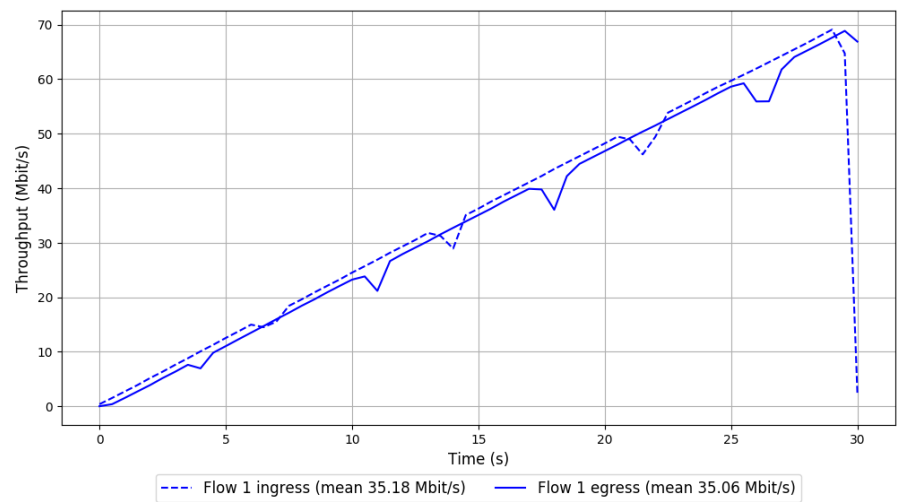


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-07 11:29:26
End at: 2018-06-07 11:29:56
Local clock offset: -1.345 ms
Remote clock offset: 0.266 ms

# Below is generated by plot.py at 2018-06-07 15:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 50.164 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 50.164 ms
Loss rate: 0.67%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-07 11:49:56

End at: 2018-06-07 11:50:26

Local clock offset: 0.084 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 51.119 ms

Loss rate: 0.69%

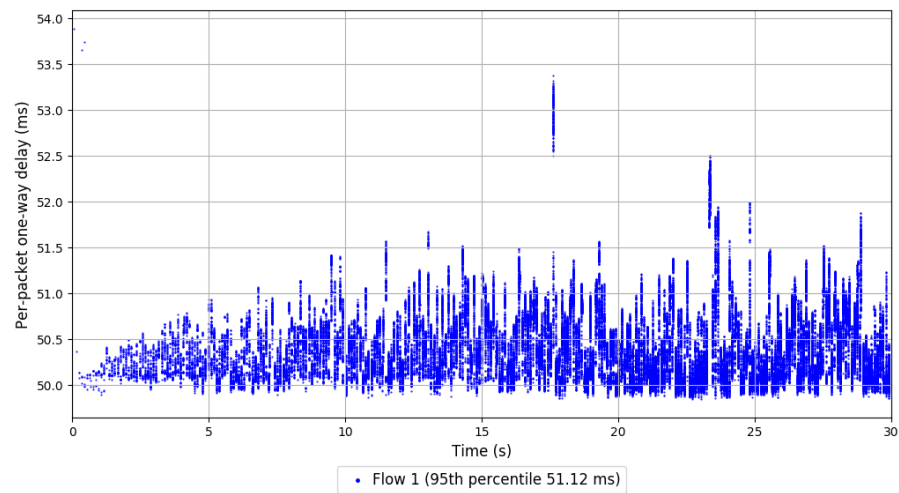
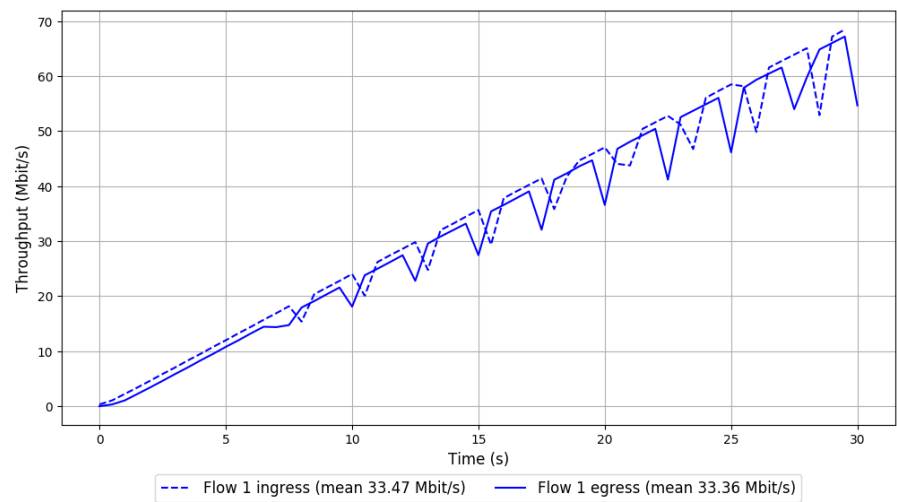
-- Flow 1:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 51.119 ms

Loss rate: 0.69%

Run 2: Report of LEDBAT — Data Link

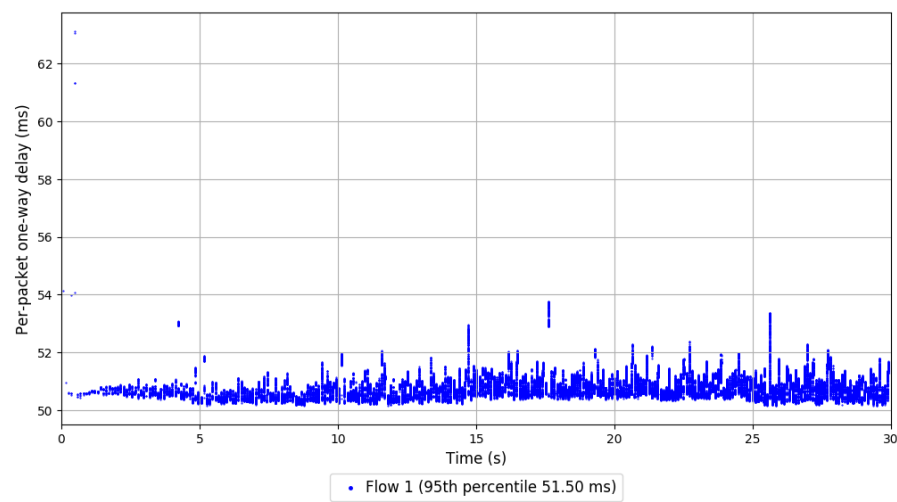
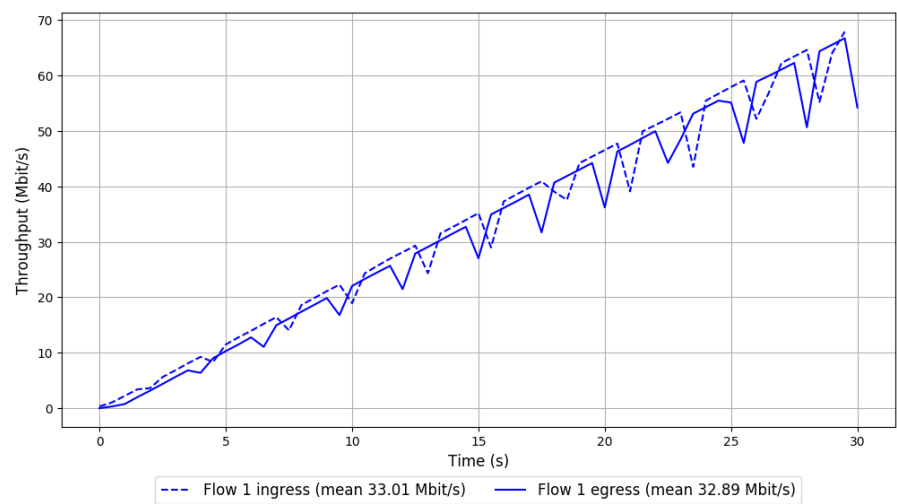


Run 3: Statistics of LEDBAT

Start at: 2018-06-07 12:10:26
End at: 2018-06-07 12:10:56
Local clock offset: 0.226 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-06-07 15:49:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 51.500 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 51.500 ms
Loss rate: 0.69%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-07 12:30:53

End at: 2018-06-07 12:31:23

Local clock offset: -0.129 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 51.073 ms

Loss rate: 0.68%

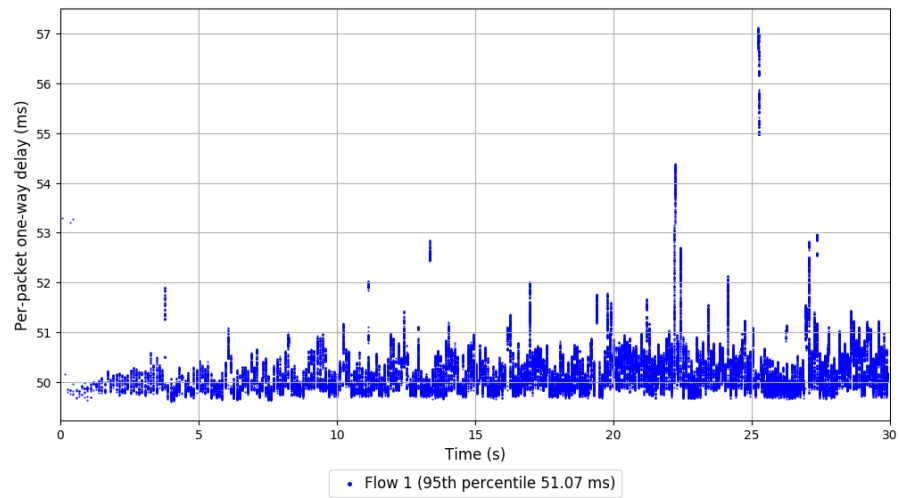
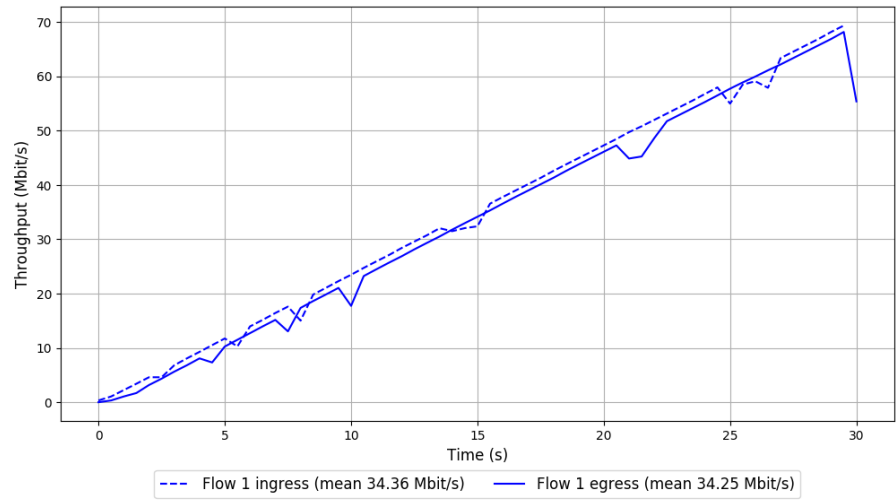
-- Flow 1:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 51.073 ms

Loss rate: 0.68%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-07 12:50:39

End at: 2018-06-07 12:51:09

Local clock offset: -0.429 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.35 Mbit/s

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

Loss rate: 0.86%

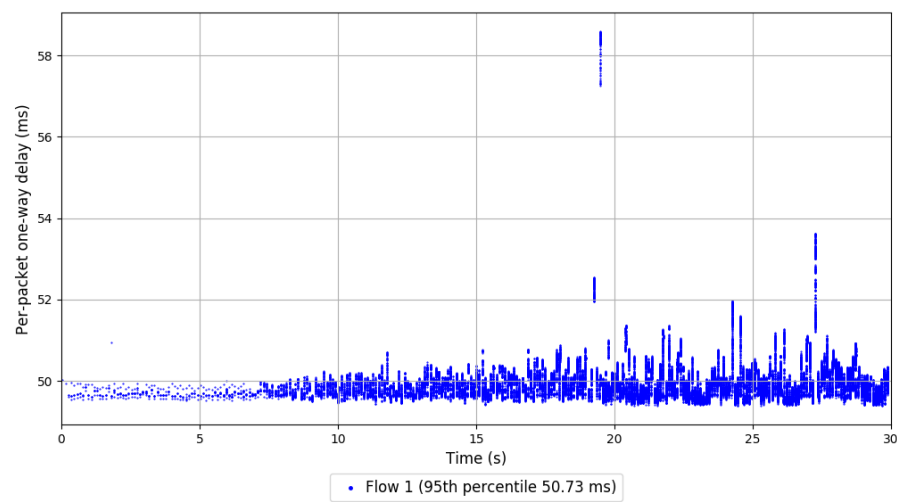
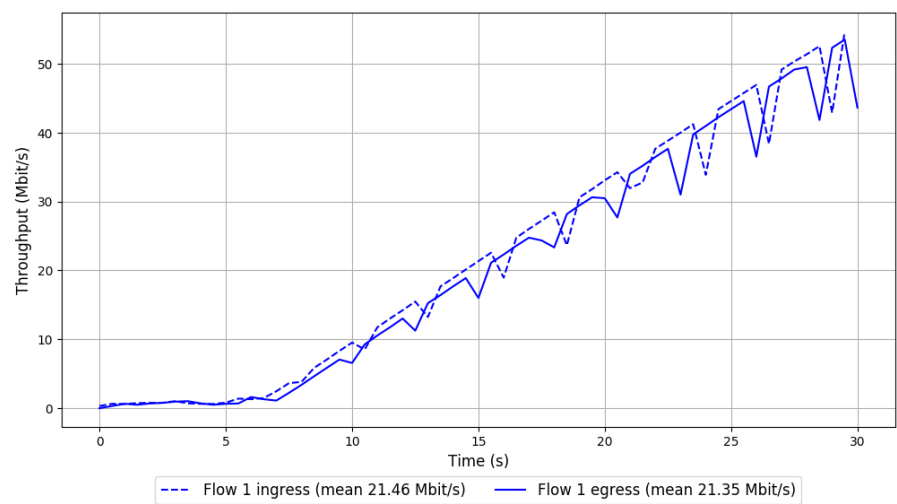
-- Flow 1:

Average throughput: 21.35 Mbit/s

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

Loss rate: 0.86%

Run 5: Report of LEDBAT — Data Link

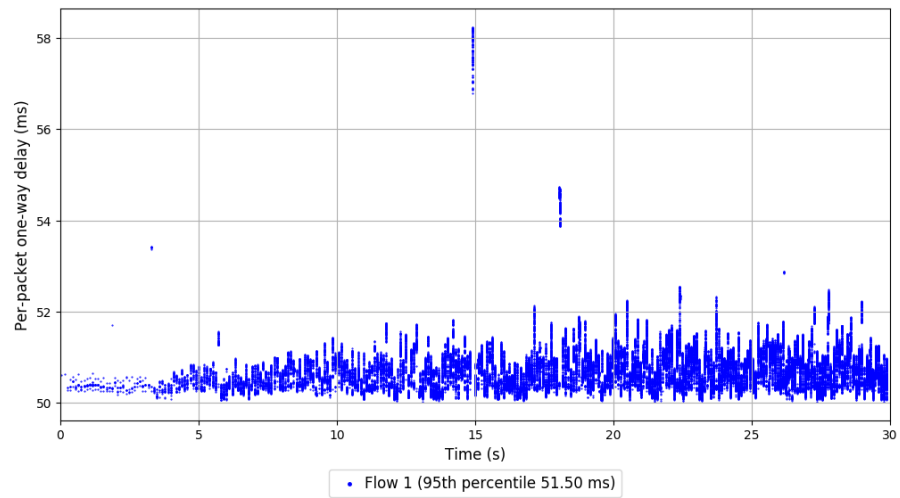
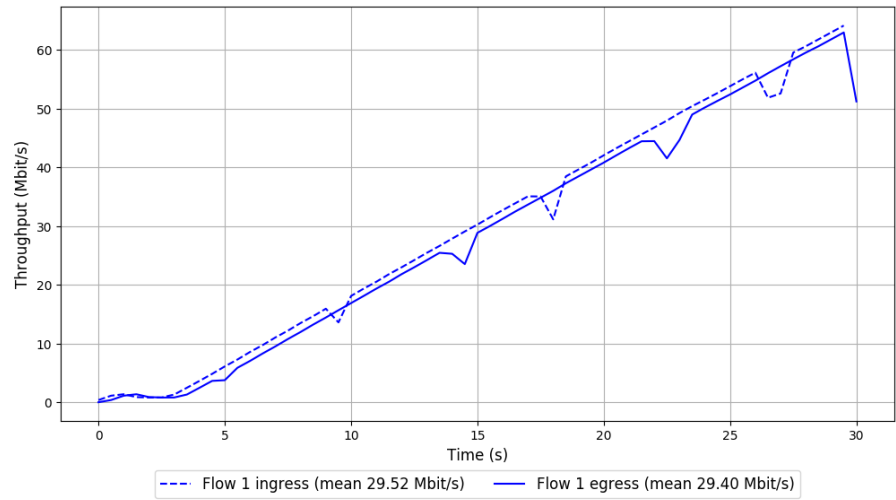


Run 6: Statistics of LEDBAT

Start at: 2018-06-07 13:10:43
End at: 2018-06-07 13:11:13
Local clock offset: -0.167 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-06-07 15:49:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 0.73%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-07 13:31:04

End at: 2018-06-07 13:31:34

Local clock offset: -0.1 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.97 Mbit/s

95th percentile per-packet one-way delay: 51.189 ms

Loss rate: 0.87%

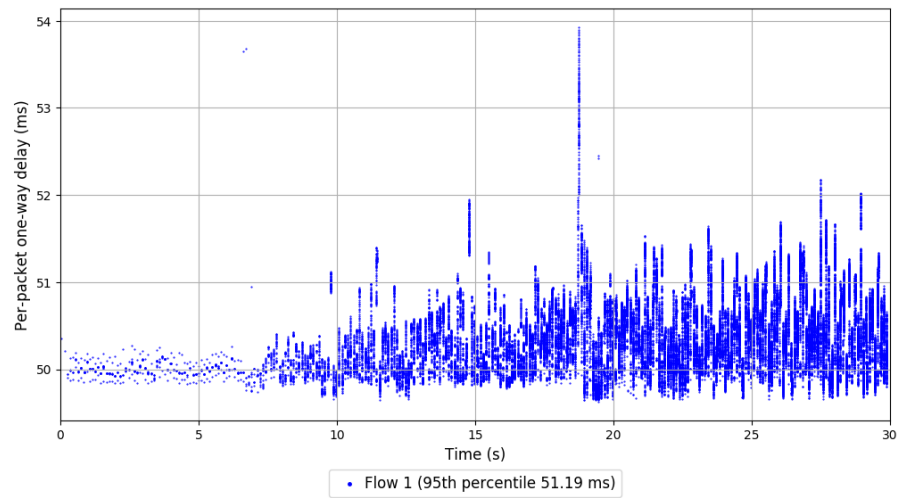
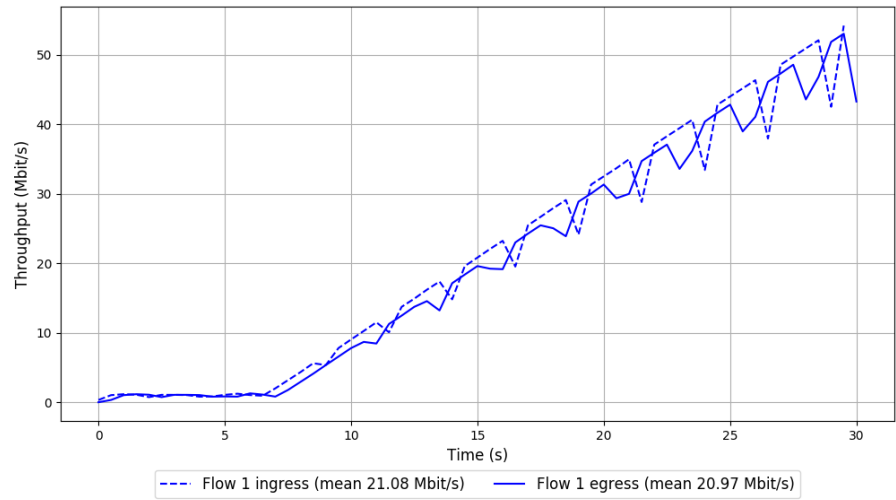
-- Flow 1:

Average throughput: 20.97 Mbit/s

95th percentile per-packet one-way delay: 51.189 ms

Loss rate: 0.87%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-07 13:51:09

End at: 2018-06-07 13:51:39

Local clock offset: -0.111 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.33 Mbit/s

95th percentile per-packet one-way delay: 51.424 ms

Loss rate: 0.69%

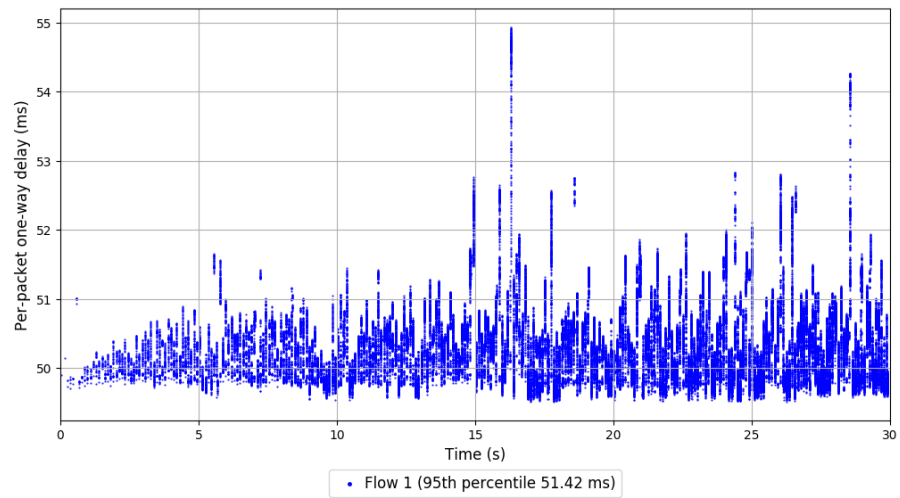
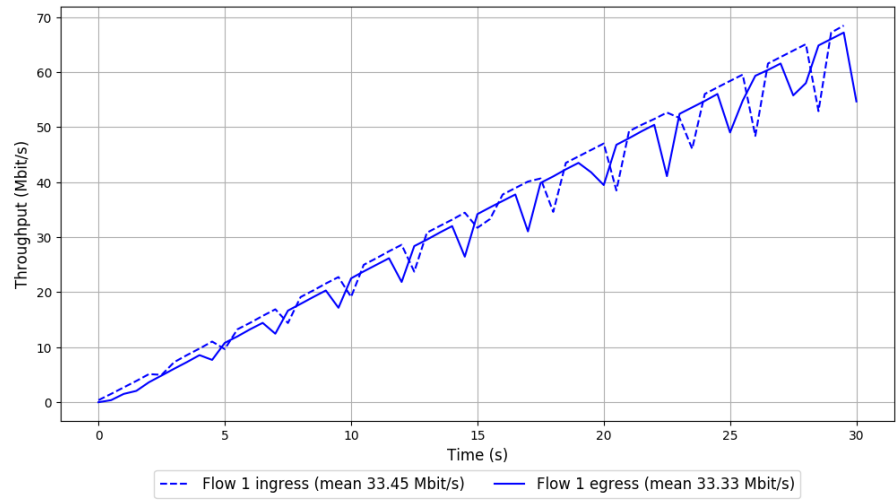
-- Flow 1:

Average throughput: 33.33 Mbit/s

95th percentile per-packet one-way delay: 51.424 ms

Loss rate: 0.69%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-07 14:11:34

End at: 2018-06-07 14:12:04

Local clock offset: -0.108 ms

Remote clock offset: 0.484 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.98 Mbit/s

95th percentile per-packet one-way delay: 51.462 ms

Loss rate: 0.60%

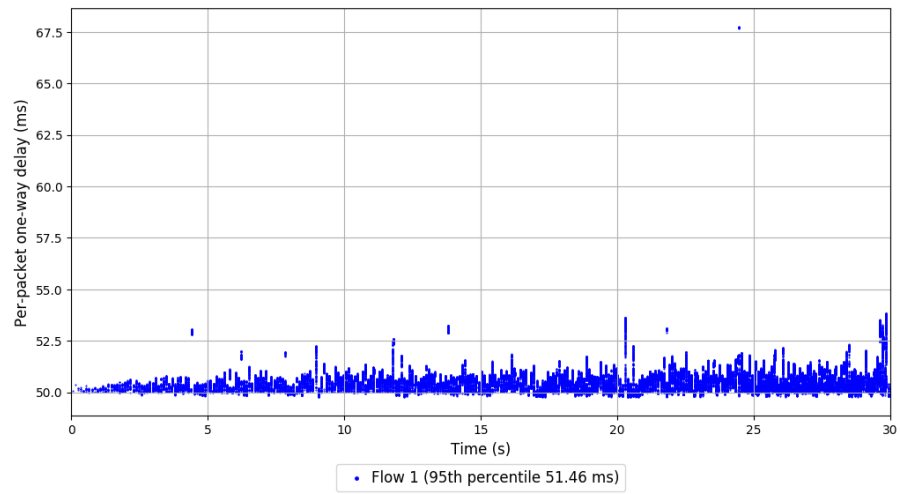
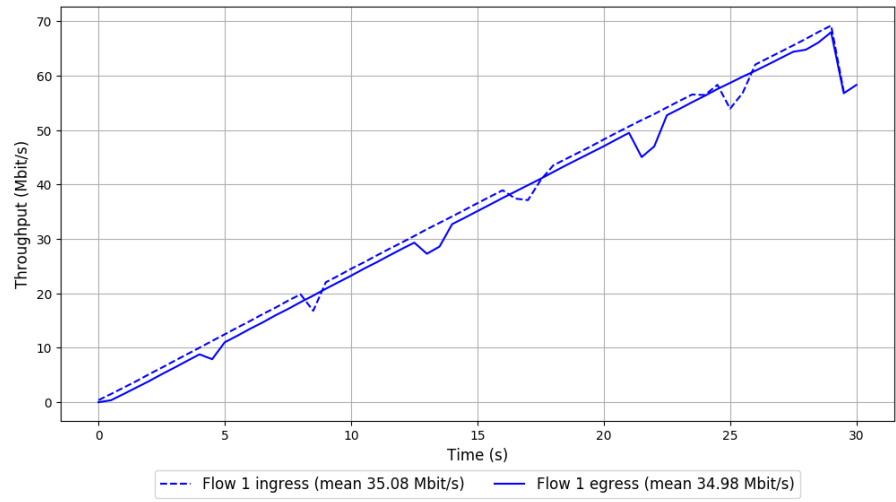
-- Flow 1:

Average throughput: 34.98 Mbit/s

95th percentile per-packet one-way delay: 51.462 ms

Loss rate: 0.60%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-07 14:31:53

End at: 2018-06-07 14:32:23

Local clock offset: -0.007 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-06-07 15:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.91 Mbit/s

95th percentile per-packet one-way delay: 51.619 ms

Loss rate: 0.69%

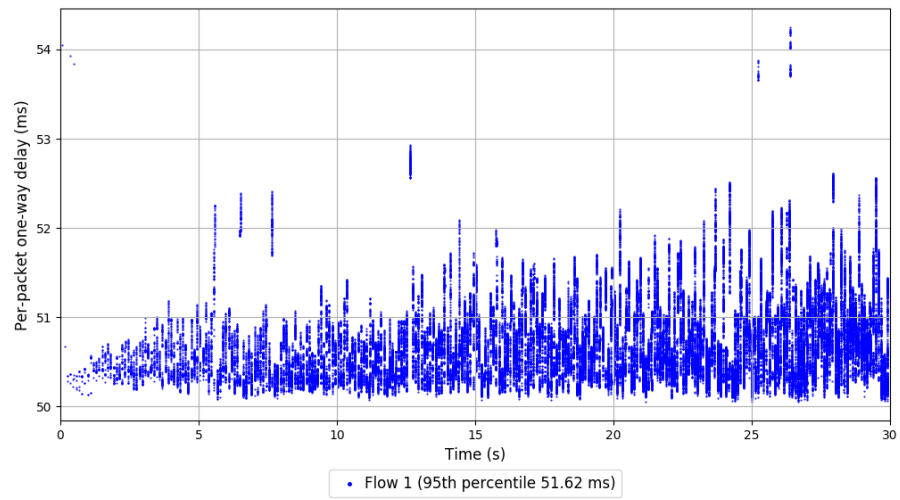
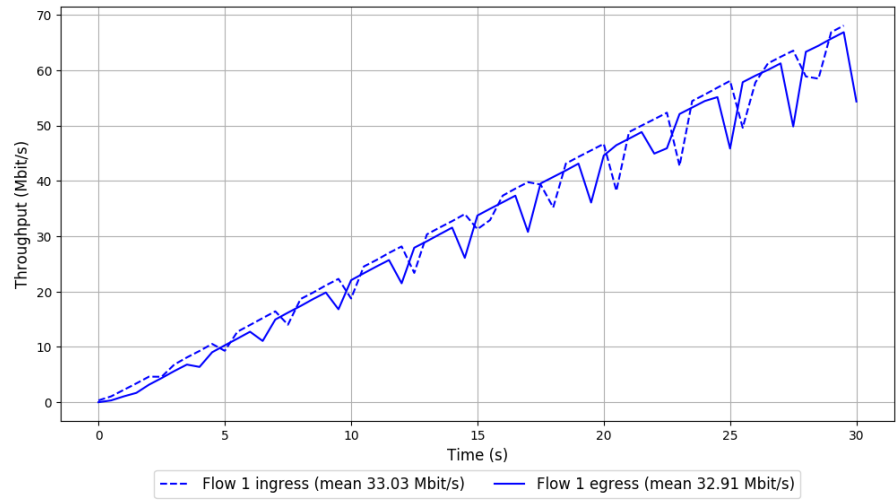
-- Flow 1:

Average throughput: 32.91 Mbit/s

95th percentile per-packet one-way delay: 51.619 ms

Loss rate: 0.69%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-07 11:39:49

End at: 2018-06-07 11:40:19

Local clock offset: -0.026 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-06-07 15:50:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.89 Mbit/s

95th percentile per-packet one-way delay: 177.754 ms

Loss rate: 2.80%

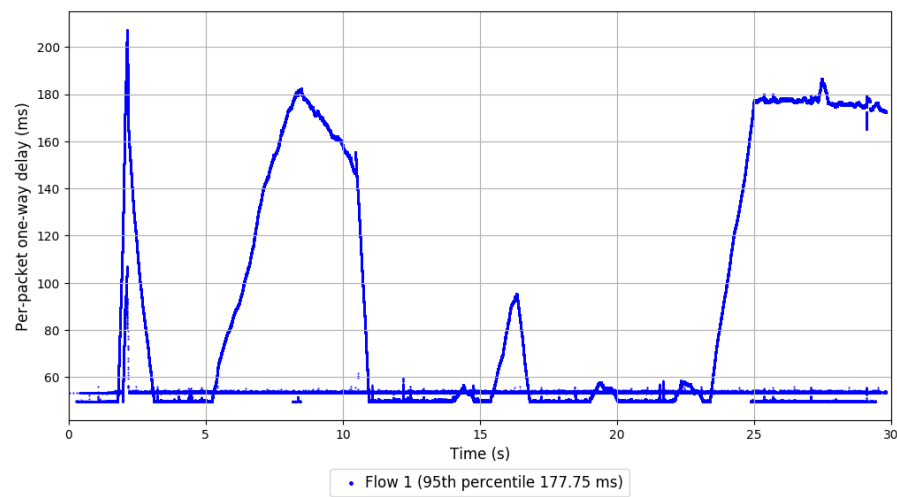
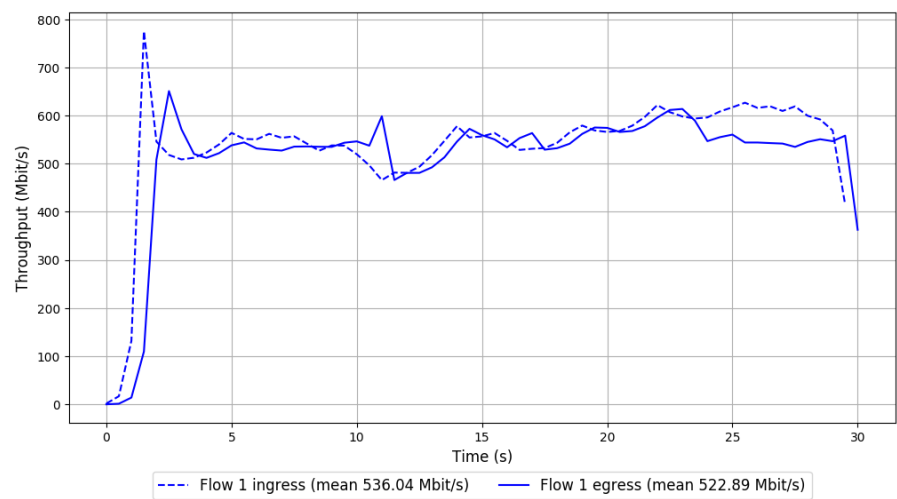
-- Flow 1:

Average throughput: 522.89 Mbit/s

95th percentile per-packet one-way delay: 177.754 ms

Loss rate: 2.80%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-07 12:00:13

End at: 2018-06-07 12:00:44

Local clock offset: -1.642 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-06-07 15:50:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.60 Mbit/s

95th percentile per-packet one-way delay: 178.057 ms

Loss rate: 1.77%

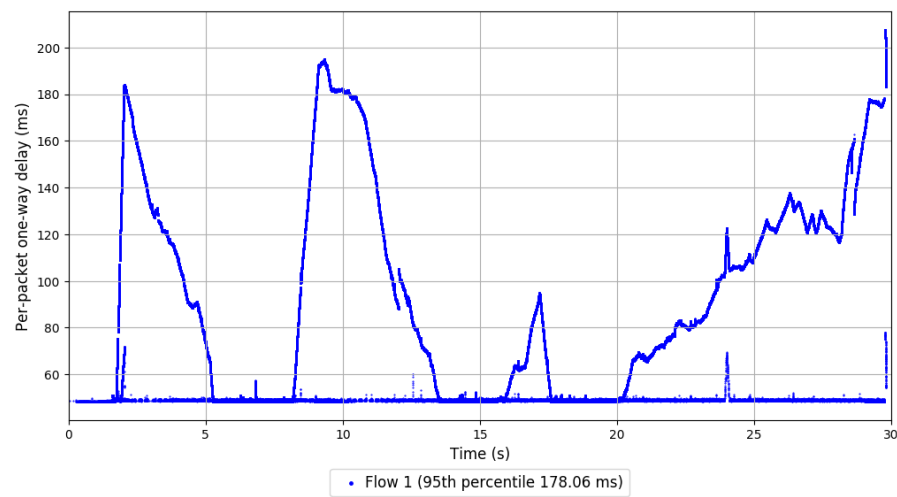
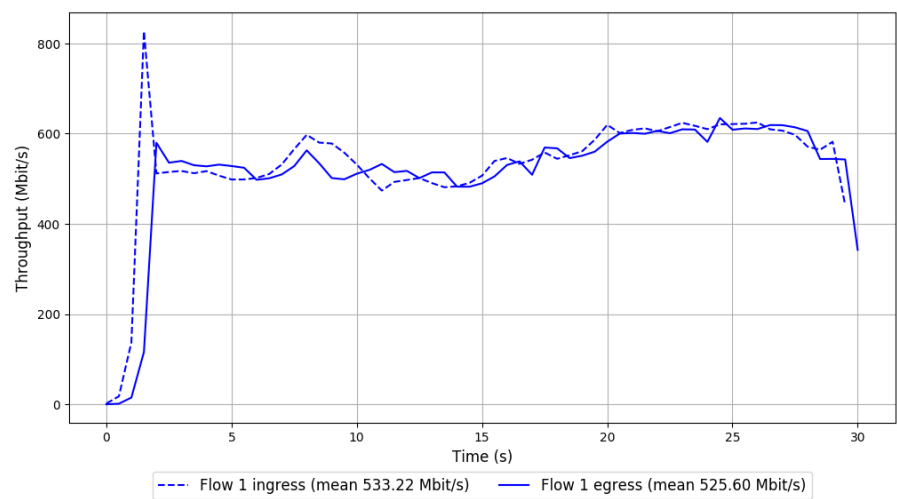
-- Flow 1:

Average throughput: 525.60 Mbit/s

95th percentile per-packet one-way delay: 178.057 ms

Loss rate: 1.77%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-07 12:20:50

End at: 2018-06-07 12:21:20

Local clock offset: 0.077 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-07 15:50:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.24 Mbit/s

95th percentile per-packet one-way delay: 180.025 ms

Loss rate: 1.34%

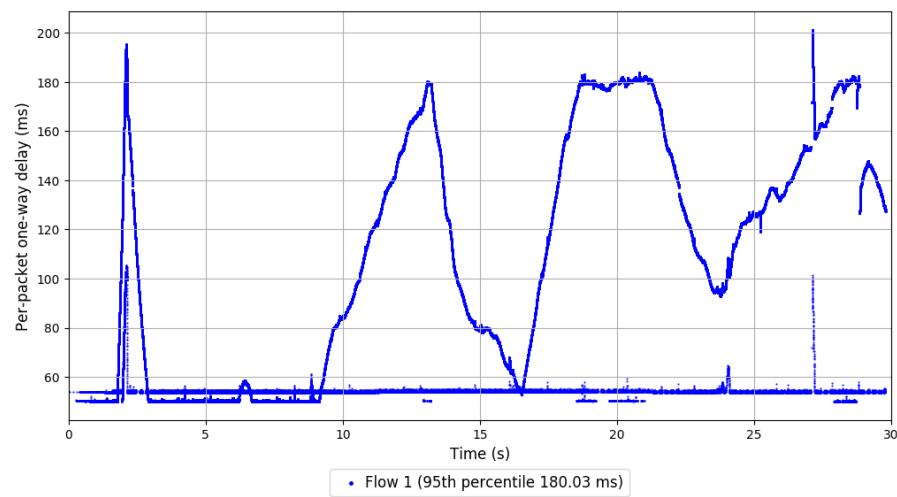
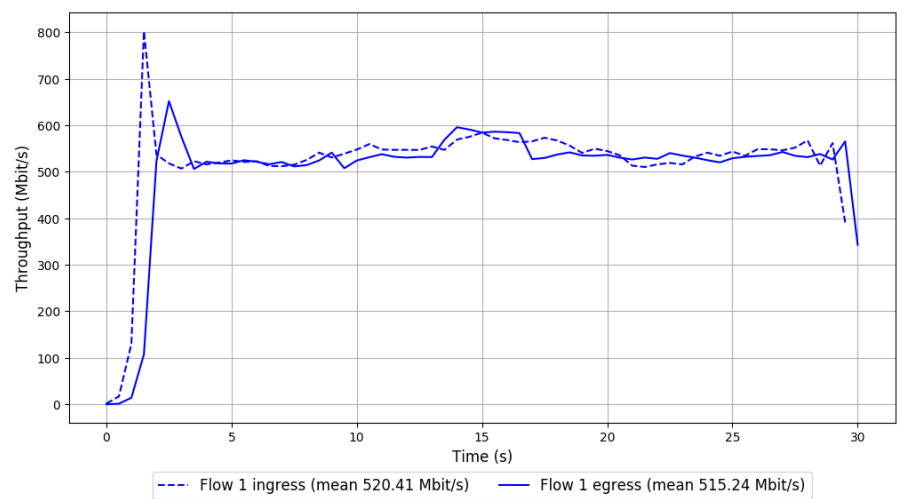
-- Flow 1:

Average throughput: 515.24 Mbit/s

95th percentile per-packet one-way delay: 180.025 ms

Loss rate: 1.34%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-07 12:40:40

End at: 2018-06-07 12:41:10

Local clock offset: 0.04 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-06-07 15:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.40 Mbit/s

95th percentile per-packet one-way delay: 124.658 ms

Loss rate: 0.64%

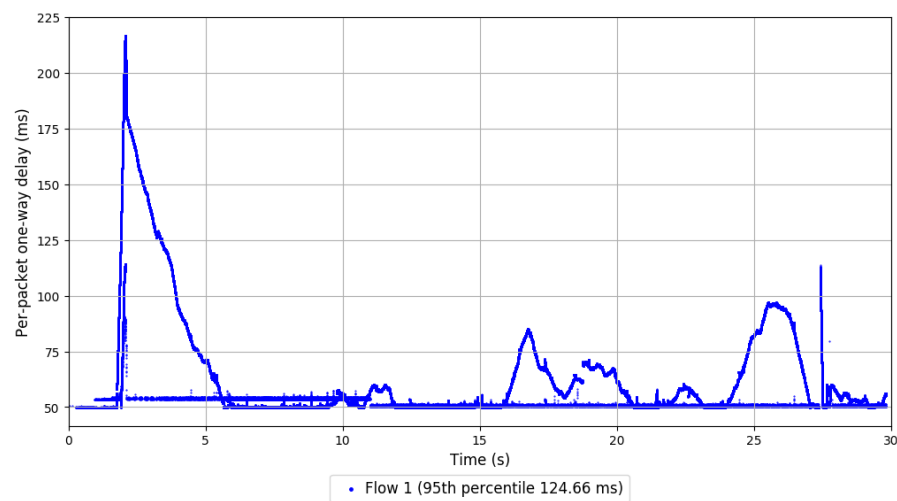
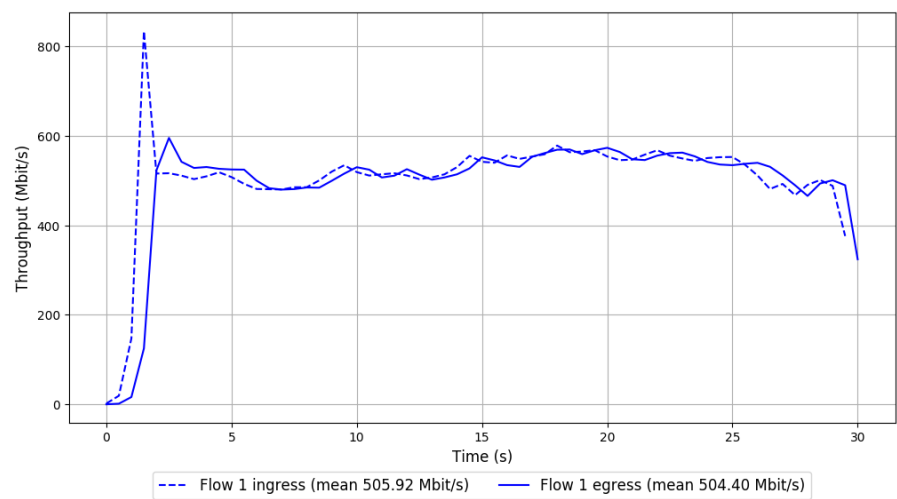
-- Flow 1:

Average throughput: 504.40 Mbit/s

95th percentile per-packet one-way delay: 124.658 ms

Loss rate: 0.64%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-07 13:00:44

End at: 2018-06-07 13:01:14

Local clock offset: -0.279 ms

Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-06-07 15:50:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.89 Mbit/s

95th percentile per-packet one-way delay: 151.706 ms

Loss rate: 1.10%

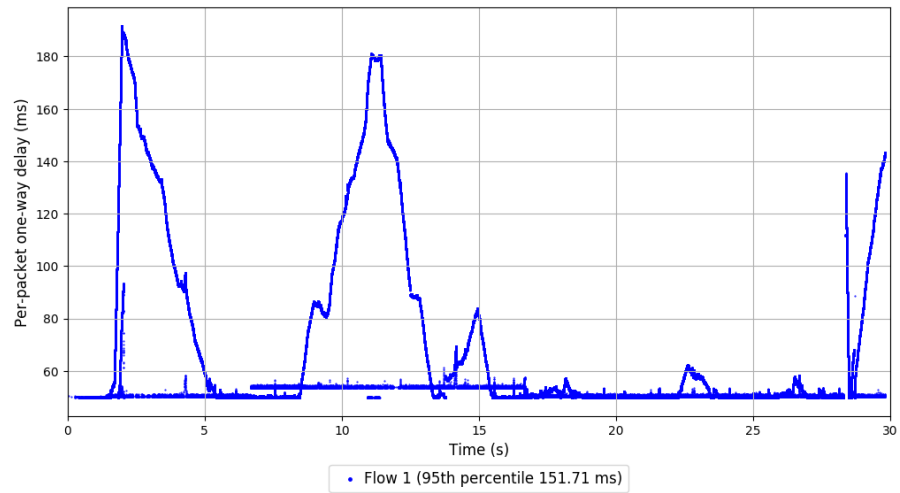
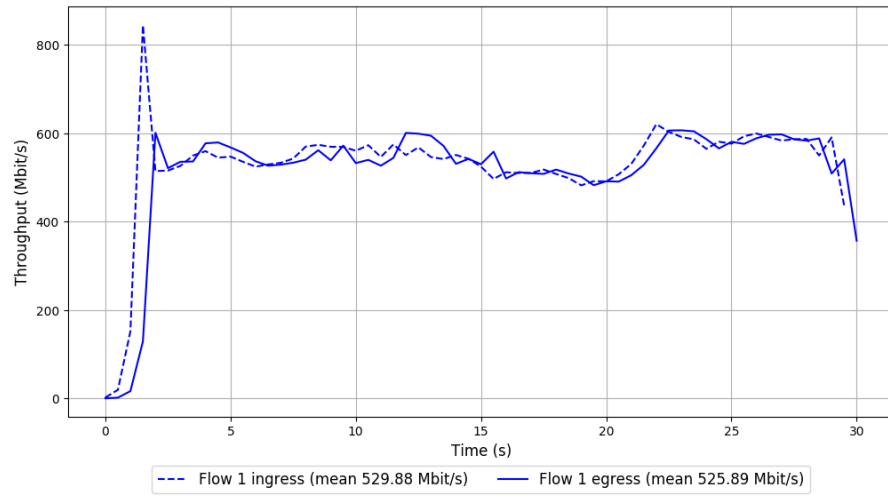
-- Flow 1:

Average throughput: 525.89 Mbit/s

95th percentile per-packet one-way delay: 151.706 ms

Loss rate: 1.10%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-07 13:20:46

End at: 2018-06-07 13:21:16

Local clock offset: -0.099 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-07 15:50:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.42 Mbit/s

95th percentile per-packet one-way delay: 159.920 ms

Loss rate: 1.20%

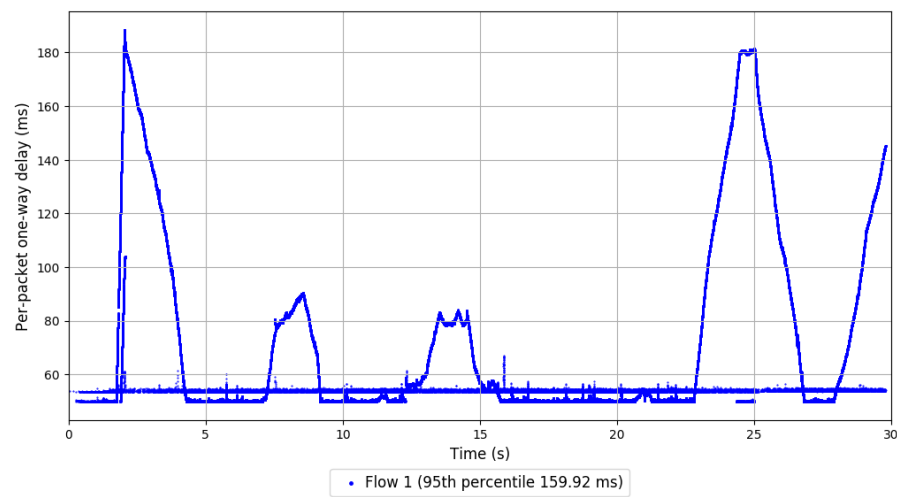
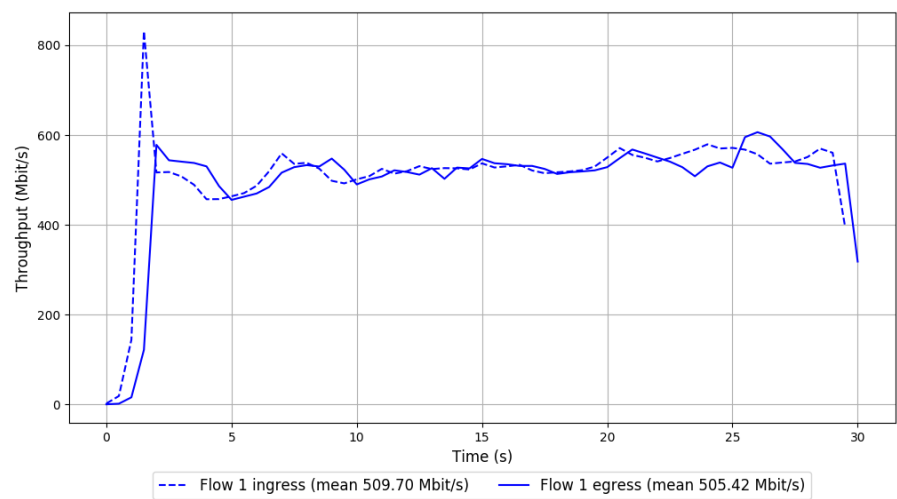
-- Flow 1:

Average throughput: 505.42 Mbit/s

95th percentile per-packet one-way delay: 159.920 ms

Loss rate: 1.20%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-07 13:41:12

End at: 2018-06-07 13:41:42

Local clock offset: 0.173 ms

Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-06-07 15:56:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 515.82 Mbit/s

95th percentile per-packet one-way delay: 181.806 ms

Loss rate: 1.12%

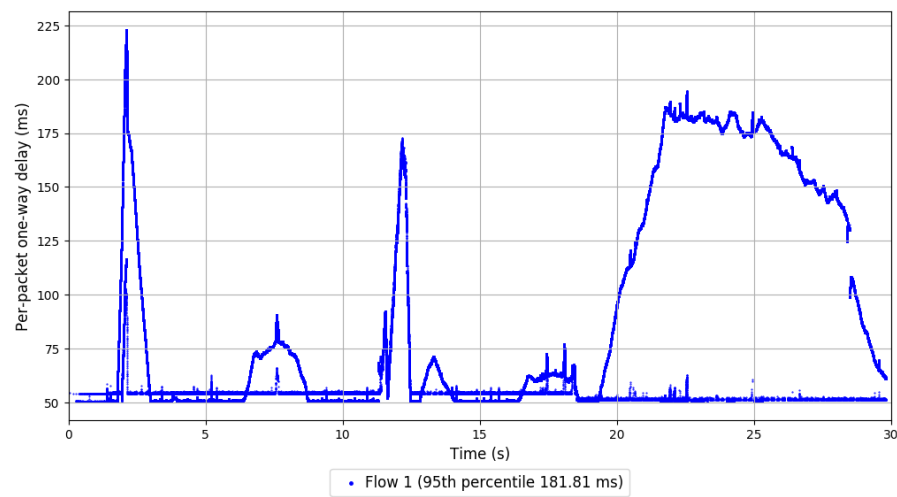
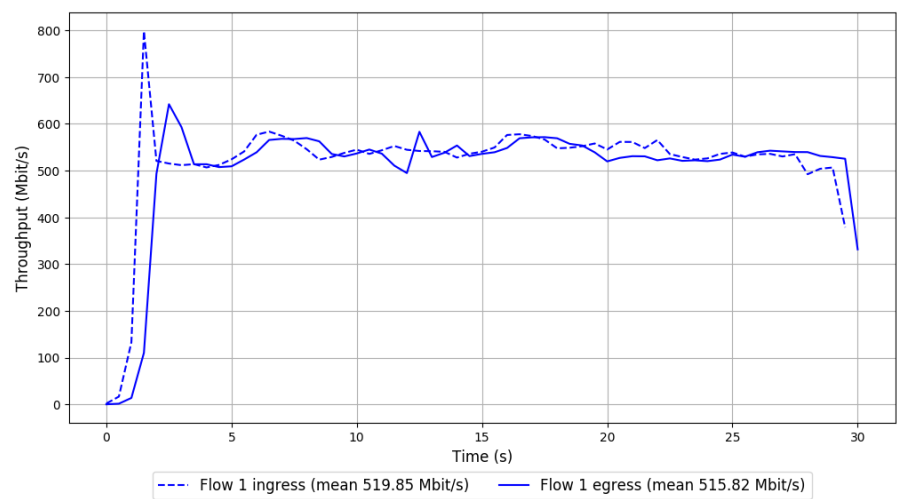
-- Flow 1:

Average throughput: 515.82 Mbit/s

95th percentile per-packet one-way delay: 181.806 ms

Loss rate: 1.12%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-07 14:01:18

End at: 2018-06-07 14:01:48

Local clock offset: 0.001 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2018-06-07 15:57:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.02 Mbit/s

95th percentile per-packet one-way delay: 136.844 ms

Loss rate: 0.70%

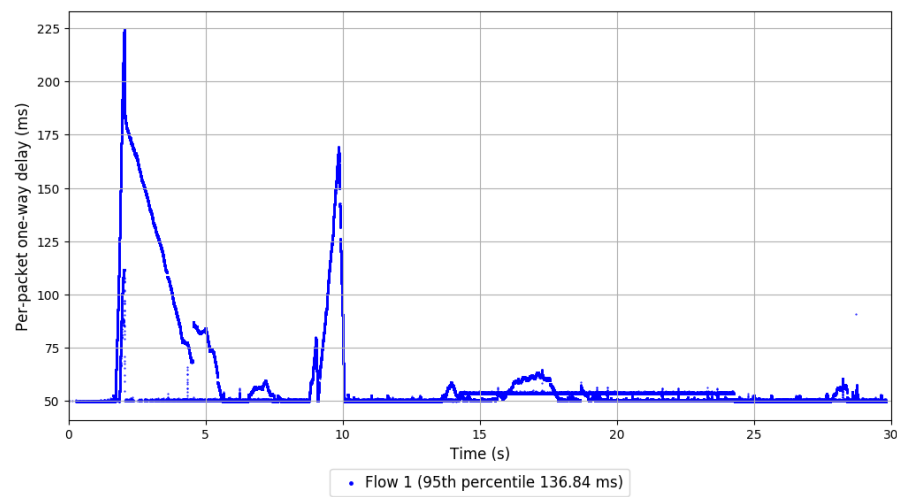
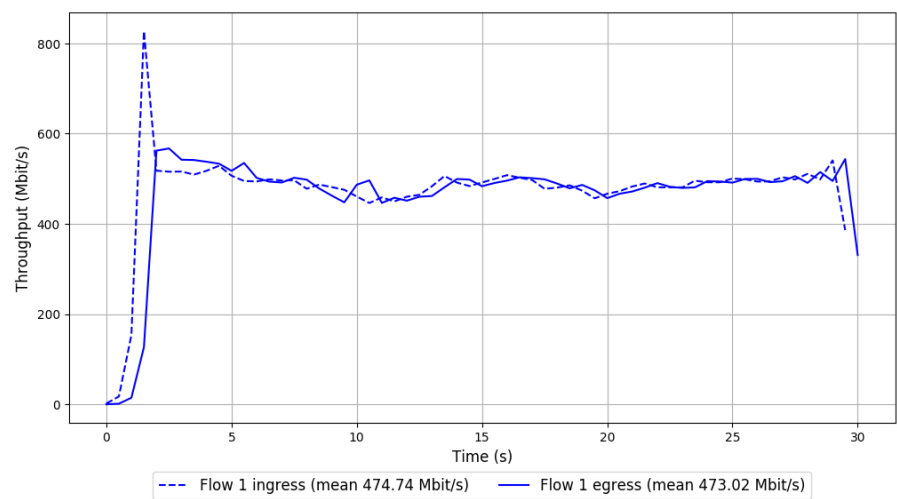
-- Flow 1:

Average throughput: 473.02 Mbit/s

95th percentile per-packet one-way delay: 136.844 ms

Loss rate: 0.70%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-07 14:21:37

End at: 2018-06-07 14:22:07

Local clock offset: -0.085 ms

Remote clock offset: 0.493 ms

Below is generated by plot.py at 2018-06-07 15:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.25 Mbit/s

95th percentile per-packet one-way delay: 109.507 ms

Loss rate: 0.75%

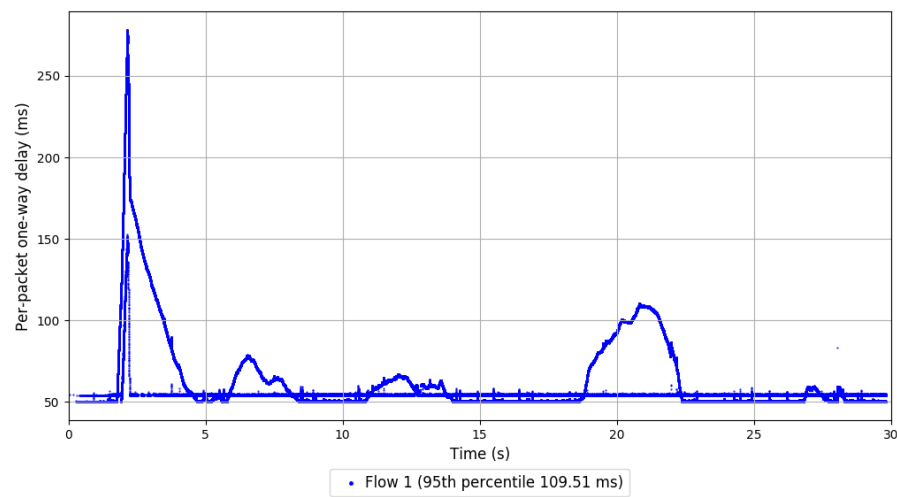
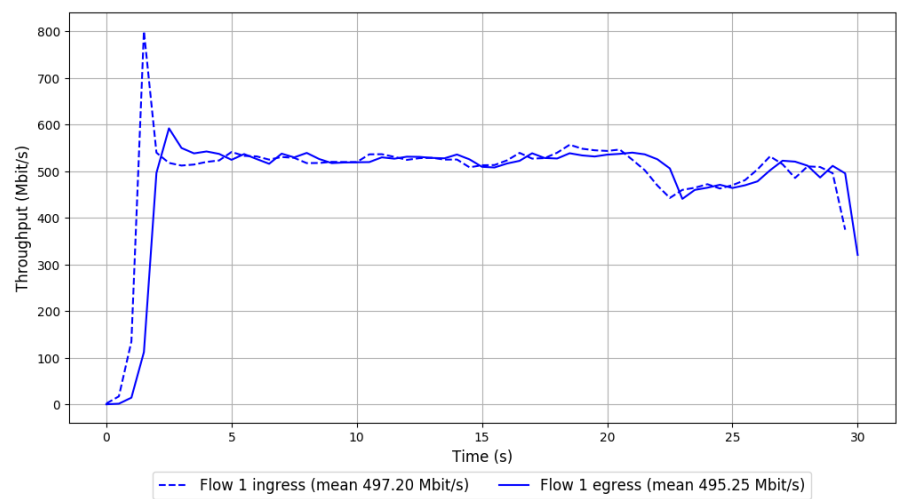
-- Flow 1:

Average throughput: 495.25 Mbit/s

95th percentile per-packet one-way delay: 109.507 ms

Loss rate: 0.75%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-07 14:42:29

End at: 2018-06-07 14:42:59

Local clock offset: 0.05 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2018-06-07 16:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.22 Mbit/s

95th percentile per-packet one-way delay: 179.101 ms

Loss rate: 7.07%

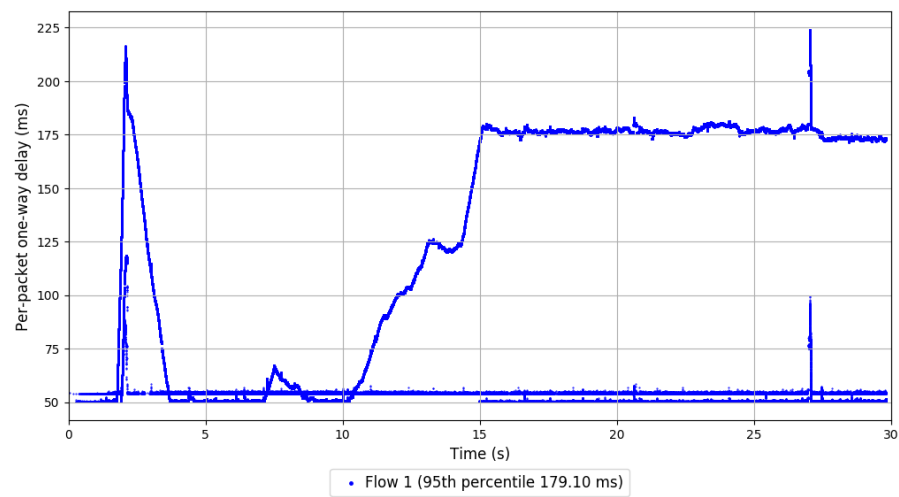
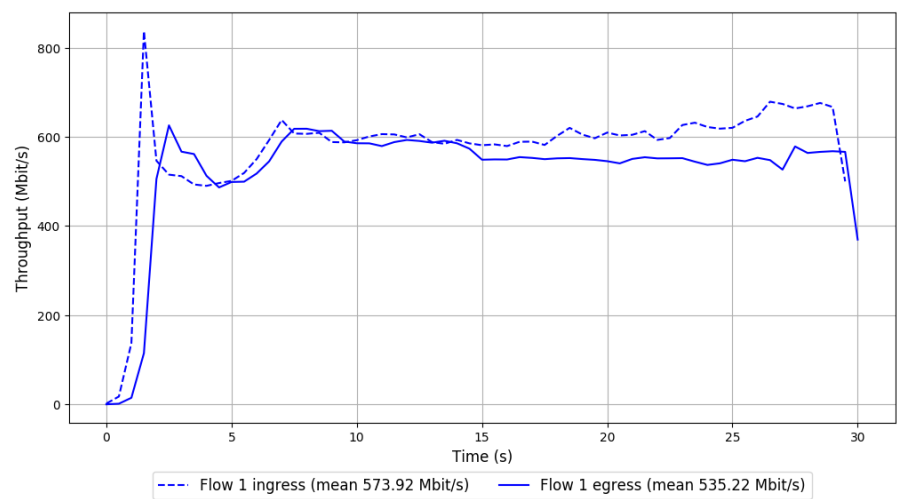
-- Flow 1:

Average throughput: 535.22 Mbit/s

95th percentile per-packet one-way delay: 179.101 ms

Loss rate: 7.07%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-06-07 11:30:34

End at: 2018-06-07 11:31:04

Local clock offset: 0.073 ms

Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-06-07 16:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 54.007 ms

Loss rate: 0.37%

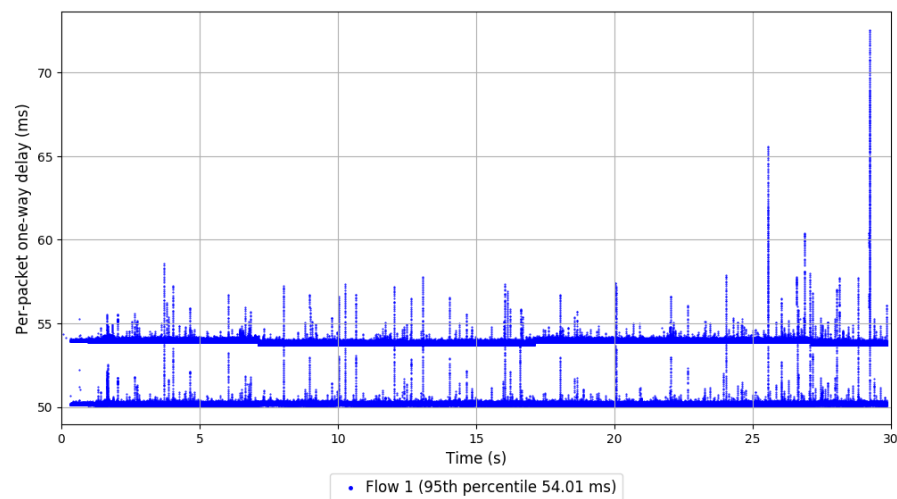
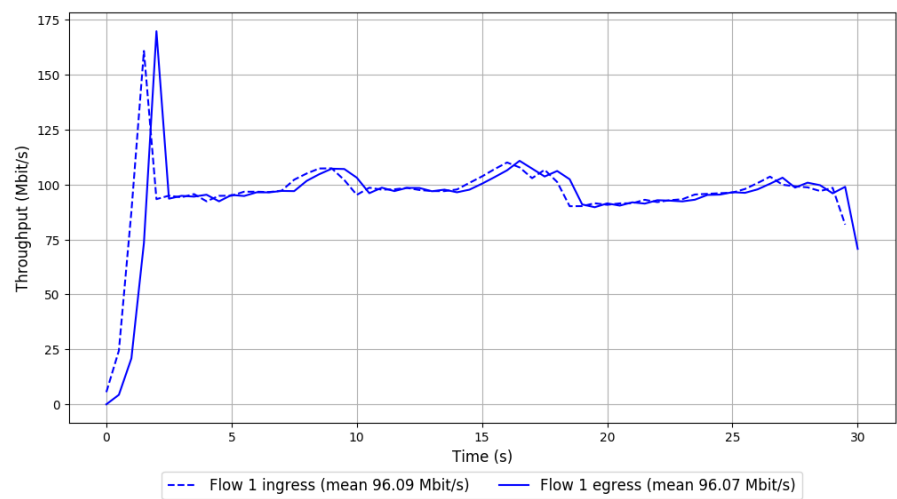
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 54.007 ms

Loss rate: 0.37%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-07 11:51:04

End at: 2018-06-07 11:51:34

Local clock offset: 0.117 ms

Remote clock offset: 0.434 ms

Below is generated by plot.py at 2018-06-07 16:01:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.30 Mbit/s

95th percentile per-packet one-way delay: 157.427 ms

Loss rate: 1.43%

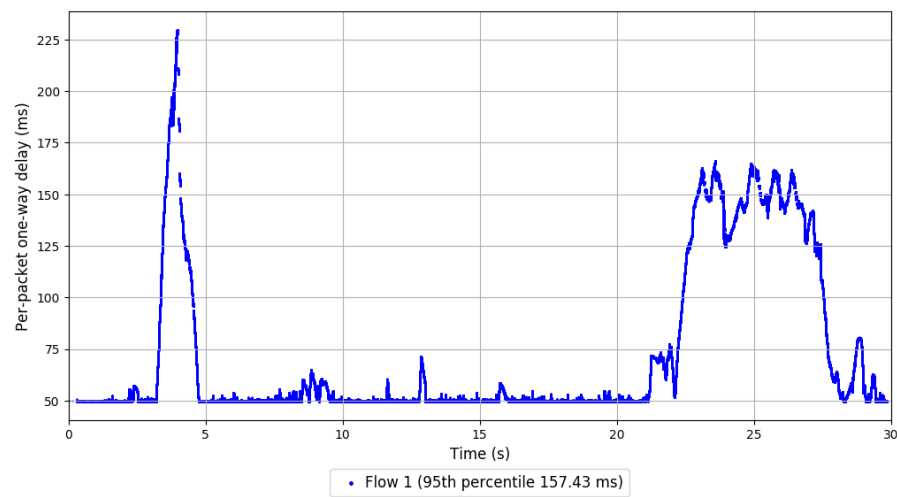
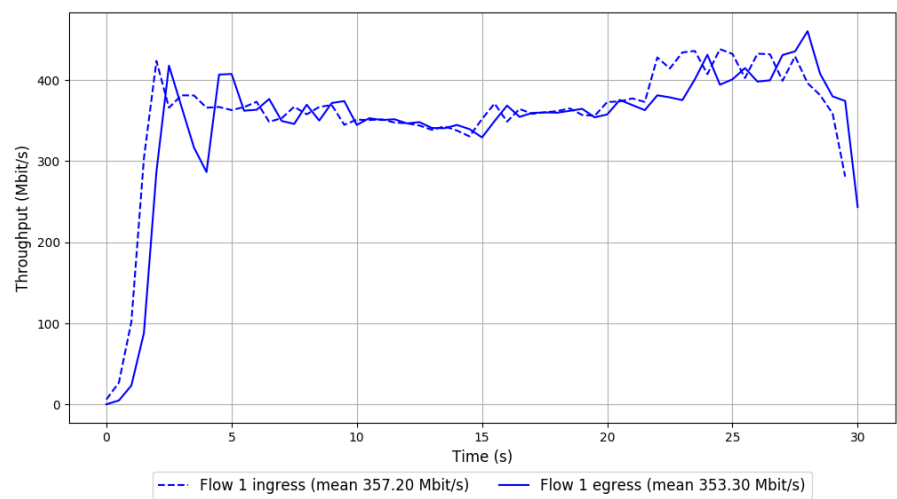
-- Flow 1:

Average throughput: 353.30 Mbit/s

95th percentile per-packet one-way delay: 157.427 ms

Loss rate: 1.43%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-07 12:11:34

End at: 2018-06-07 12:12:04

Local clock offset: -1.297 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-07 16:04:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.90 Mbit/s

95th percentile per-packet one-way delay: 133.742 ms

Loss rate: 0.67%

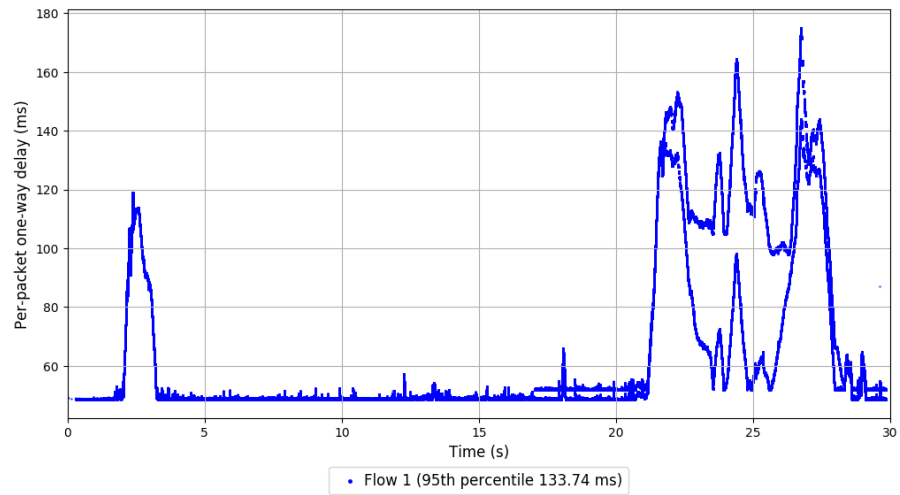
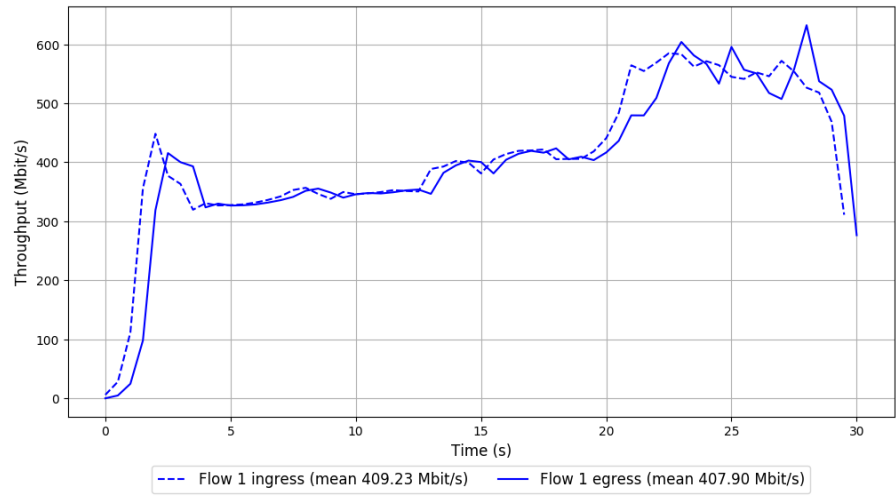
-- Flow 1:

Average throughput: 407.90 Mbit/s

95th percentile per-packet one-way delay: 133.742 ms

Loss rate: 0.67%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-07 12:32:01

End at: 2018-06-07 12:32:31

Local clock offset: 0.011 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-07 16:04:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.99 Mbit/s

95th percentile per-packet one-way delay: 53.708 ms

Loss rate: 0.40%

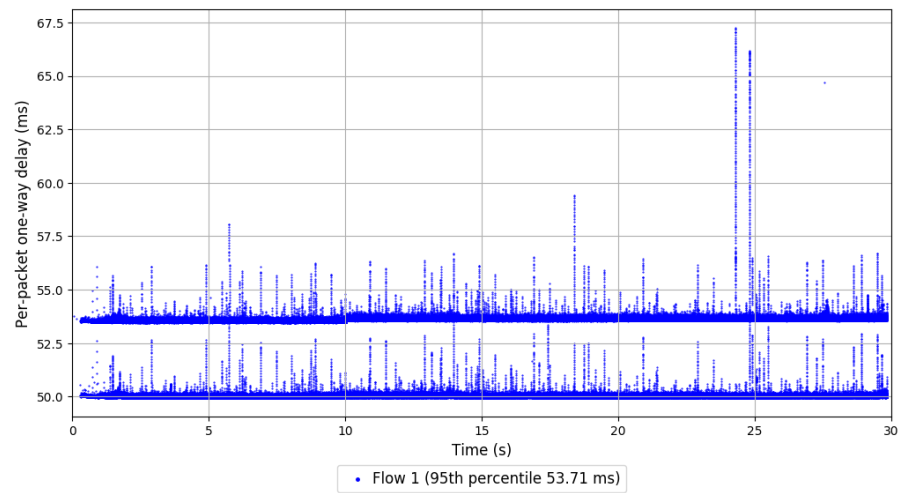
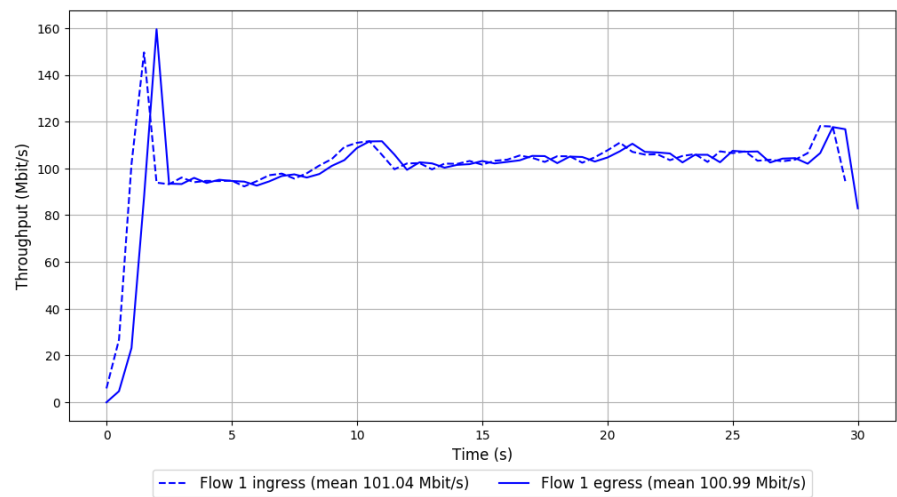
-- Flow 1:

Average throughput: 100.99 Mbit/s

95th percentile per-packet one-way delay: 53.708 ms

Loss rate: 0.40%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-07 12:51:46

End at: 2018-06-07 12:52:16

Local clock offset: -0.064 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-06-07 16:04:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.61 Mbit/s

95th percentile per-packet one-way delay: 53.485 ms

Loss rate: 0.32%

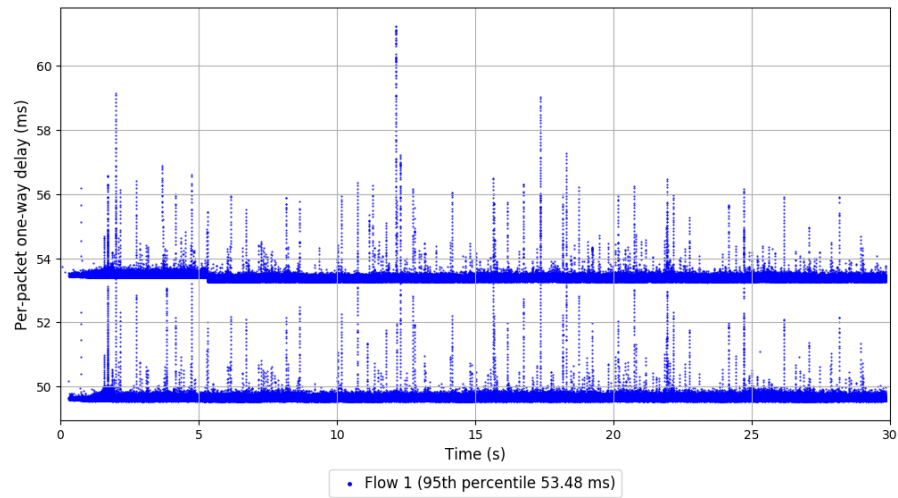
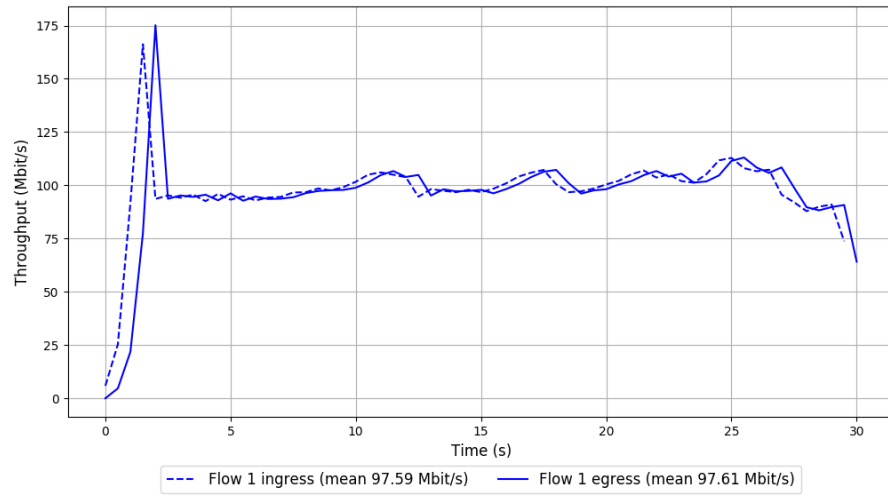
-- Flow 1:

Average throughput: 97.61 Mbit/s

95th percentile per-packet one-way delay: 53.485 ms

Loss rate: 0.32%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-07 13:11:51

End at: 2018-06-07 13:12:21

Local clock offset: -0.104 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-06-07 16:04:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.08 Mbit/s

95th percentile per-packet one-way delay: 53.543 ms

Loss rate: 0.33%

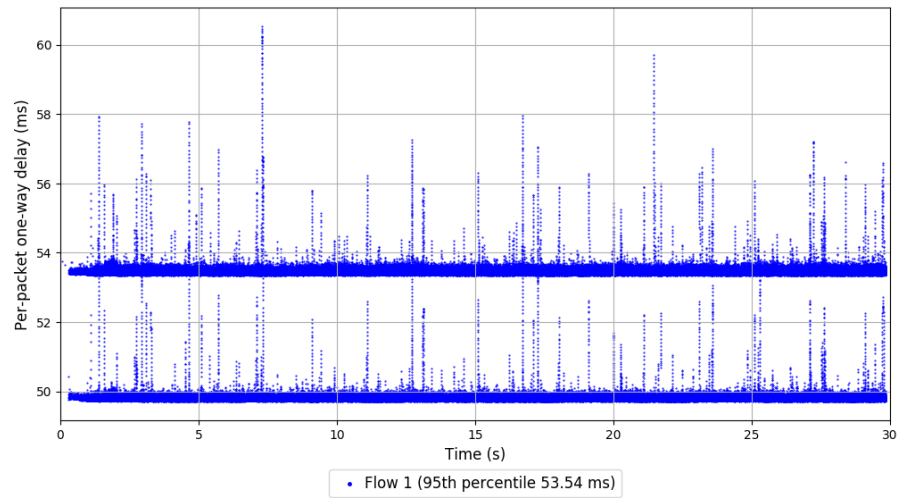
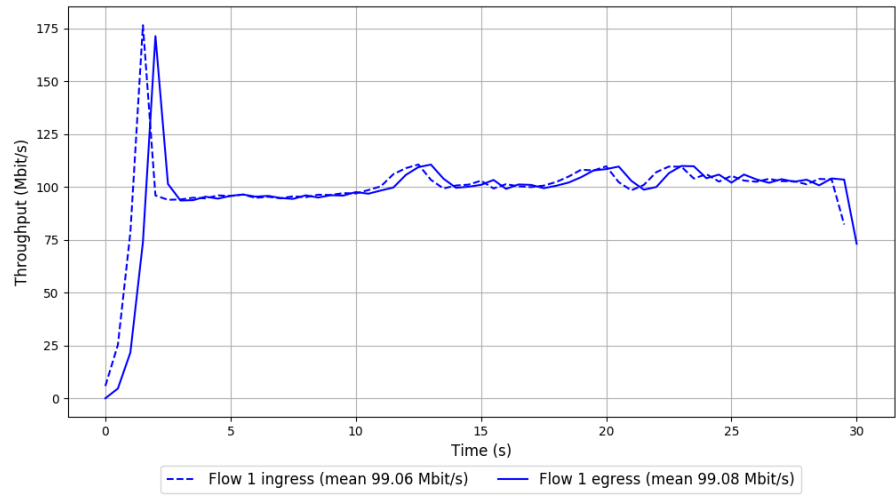
-- Flow 1:

Average throughput: 99.08 Mbit/s

95th percentile per-packet one-way delay: 53.543 ms

Loss rate: 0.33%

Run 6: Report of PCC-Expr — Data Link

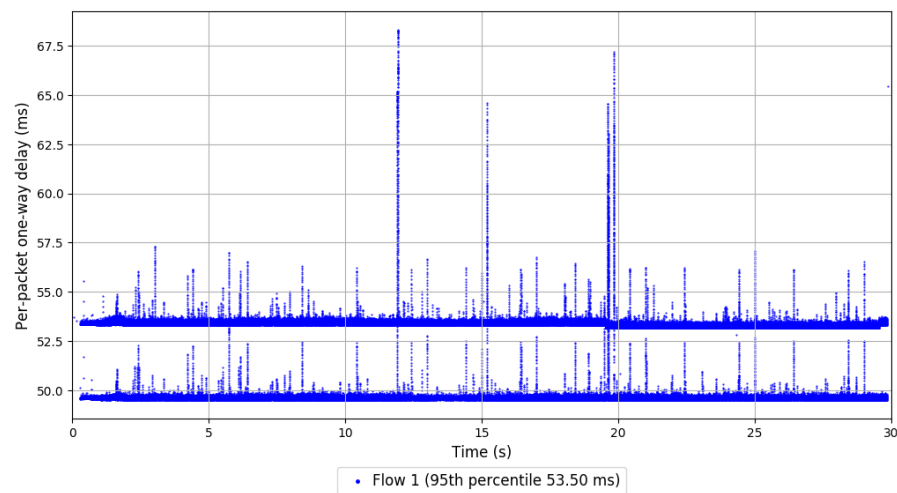
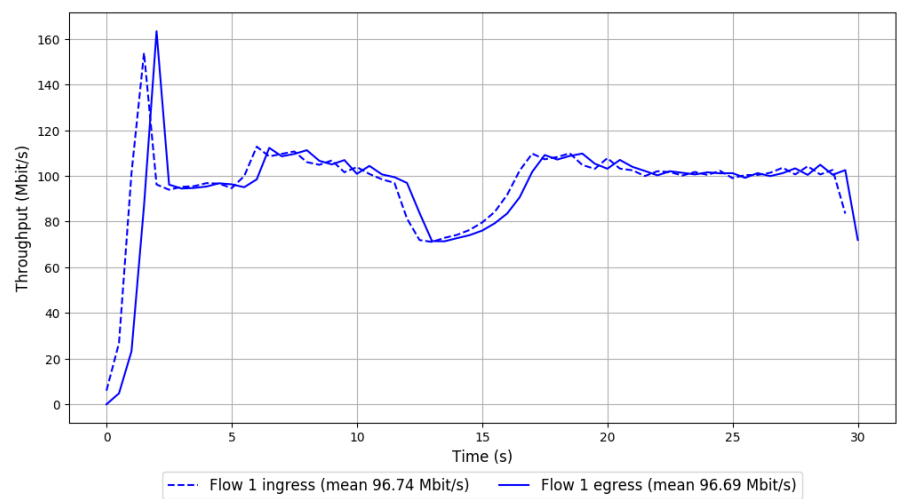


Run 7: Statistics of PCC-Expr

Start at: 2018-06-07 13:32:11
End at: 2018-06-07 13:32:41
Local clock offset: -0.302 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-07 16:04:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 53.504 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 53.504 ms
Loss rate: 0.38%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-07 13:52:17

End at: 2018-06-07 13:52:47

Local clock offset: -0.115 ms

Remote clock offset: 0.189 ms

Below is generated by plot.py at 2018-06-07 16:04:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 53.492 ms

Loss rate: 0.36%

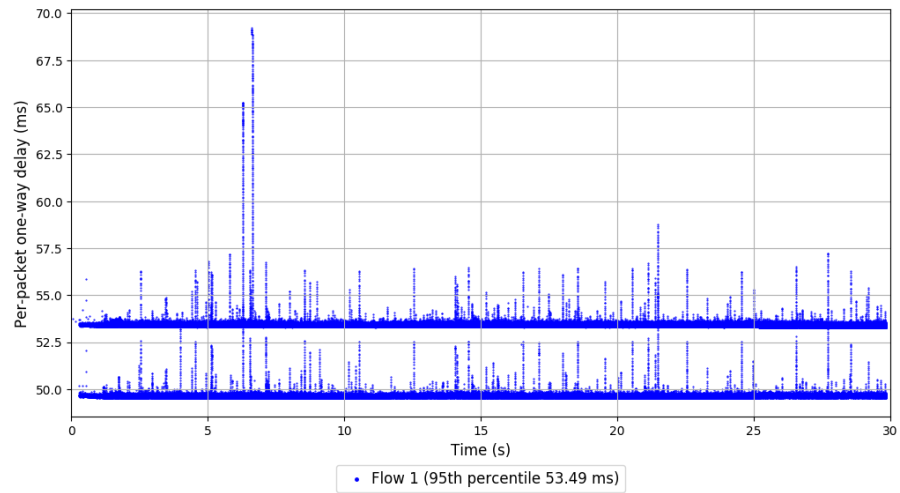
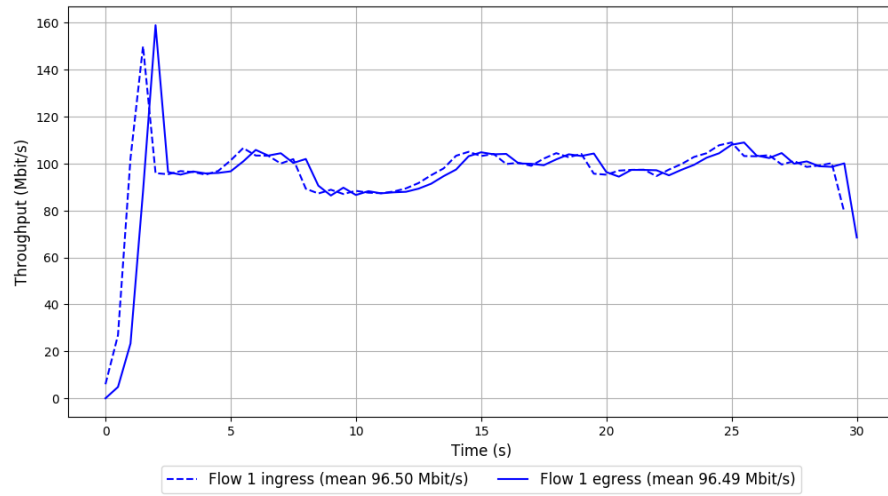
-- Flow 1:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 53.492 ms

Loss rate: 0.36%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-07 14:12:42

End at: 2018-06-07 14:13:12

Local clock offset: -0.185 ms

Remote clock offset: 0.549 ms

Below is generated by plot.py at 2018-06-07 16:04:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.60 Mbit/s

95th percentile per-packet one-way delay: 53.331 ms

Loss rate: 0.39%

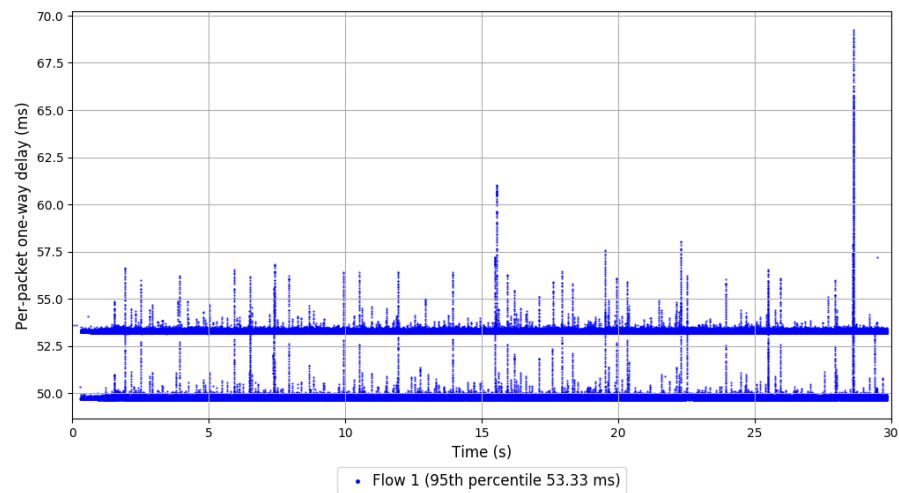
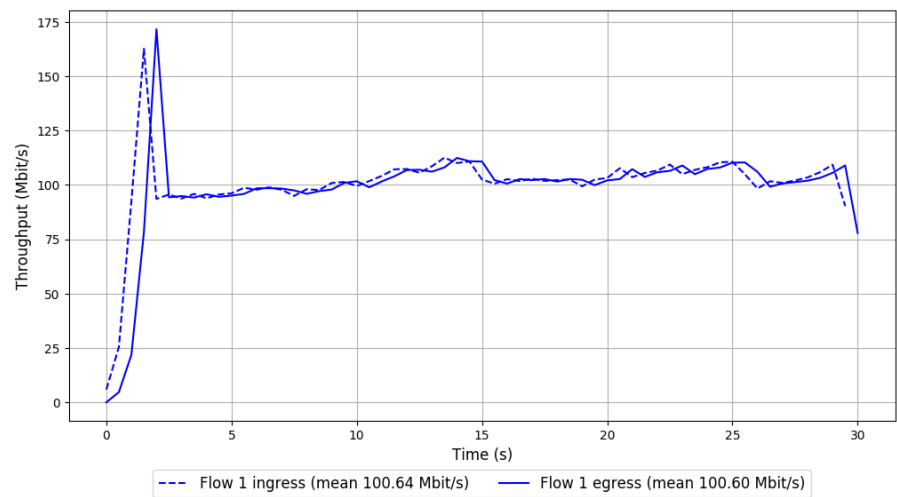
-- Flow 1:

Average throughput: 100.60 Mbit/s

95th percentile per-packet one-way delay: 53.331 ms

Loss rate: 0.39%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-07 14:33:01

End at: 2018-06-07 14:33:31

Local clock offset: 0.053 ms

Remote clock offset: 0.576 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.17 Mbit/s

95th percentile per-packet one-way delay: 152.639 ms

Loss rate: 4.40%

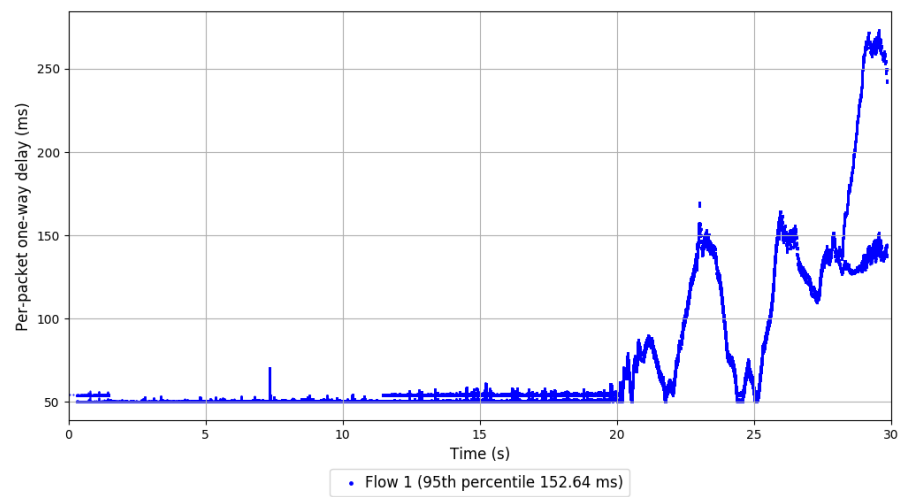
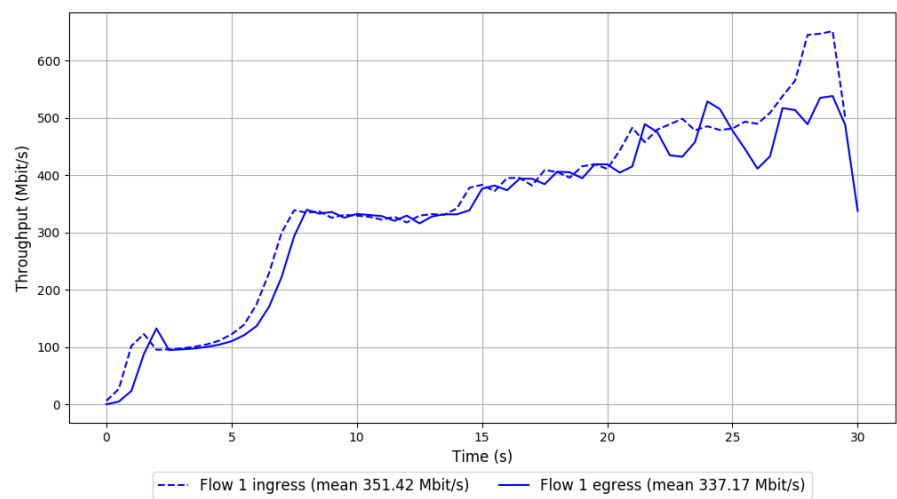
-- Flow 1:

Average throughput: 337.17 Mbit/s

95th percentile per-packet one-way delay: 152.639 ms

Loss rate: 4.40%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-07 11:47:34

End at: 2018-06-07 11:48:04

Local clock offset: -0.134 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.13 Mbit/s

95th percentile per-packet one-way delay: 53.128 ms

Loss rate: 0.60%

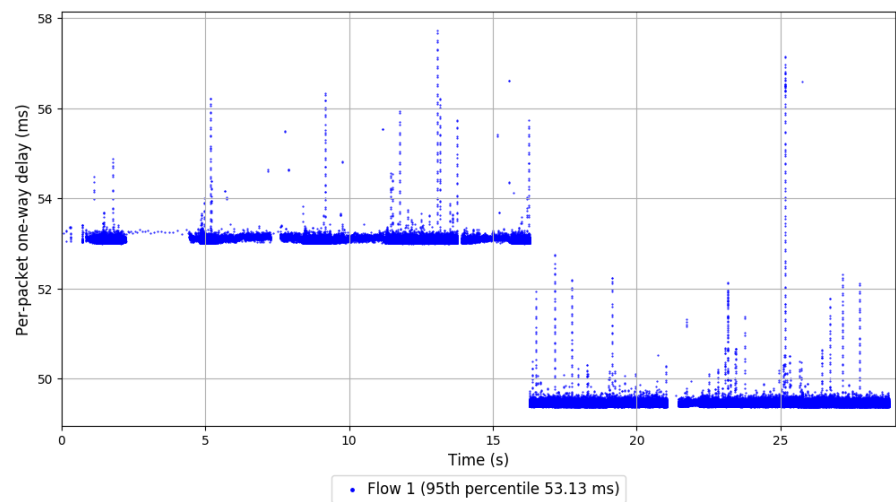
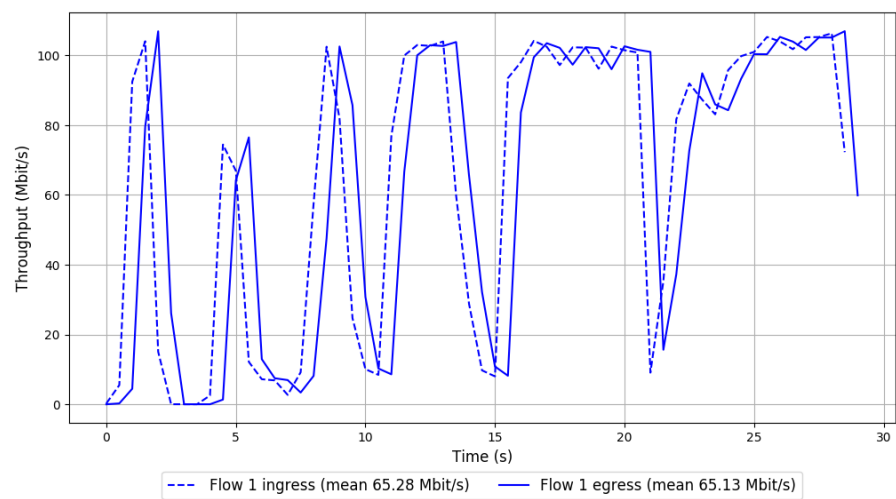
-- Flow 1:

Average throughput: 65.13 Mbit/s

95th percentile per-packet one-way delay: 53.128 ms

Loss rate: 0.60%

Run 1: Report of QUIC Cubic — Data Link

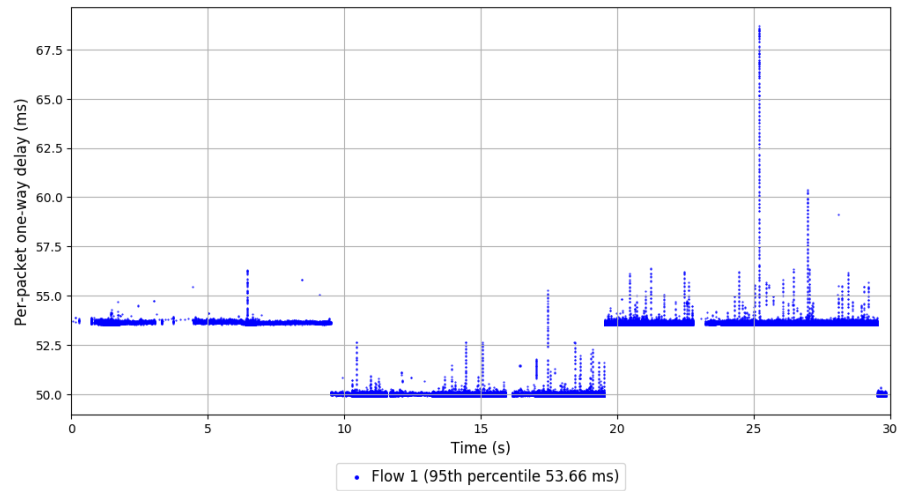
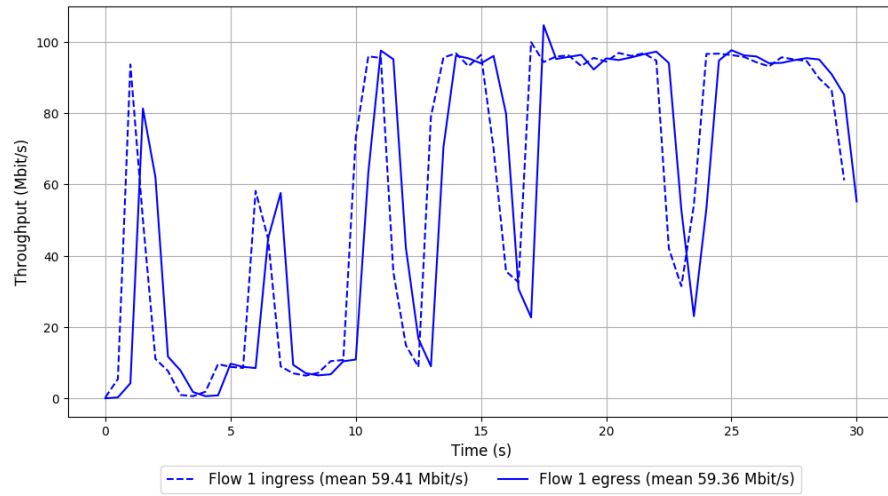


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-07 12:08:01
End at: 2018-06-07 12:08:31
Local clock offset: -0.221 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 0.44%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-07 12:28:31

End at: 2018-06-07 12:29:01

Local clock offset: -1.61 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 48.427 ms

Loss rate: 0.51%

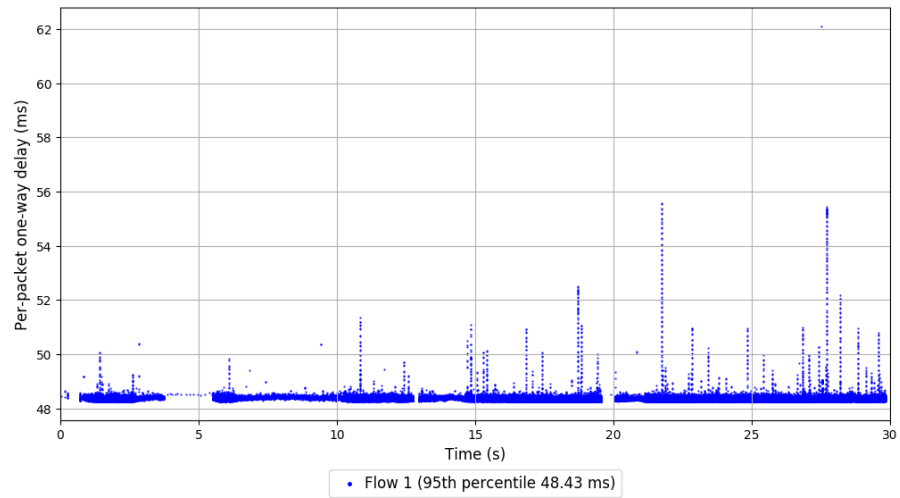
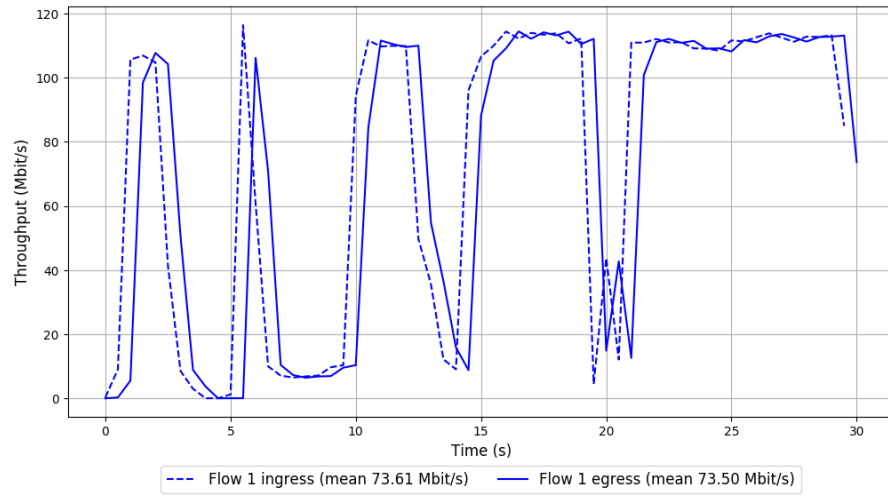
-- Flow 1:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 48.427 ms

Loss rate: 0.51%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-07 12:48:13

End at: 2018-06-07 12:48:43

Local clock offset: -0.11 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.13 Mbit/s

95th percentile per-packet one-way delay: 53.802 ms

Loss rate: 0.50%

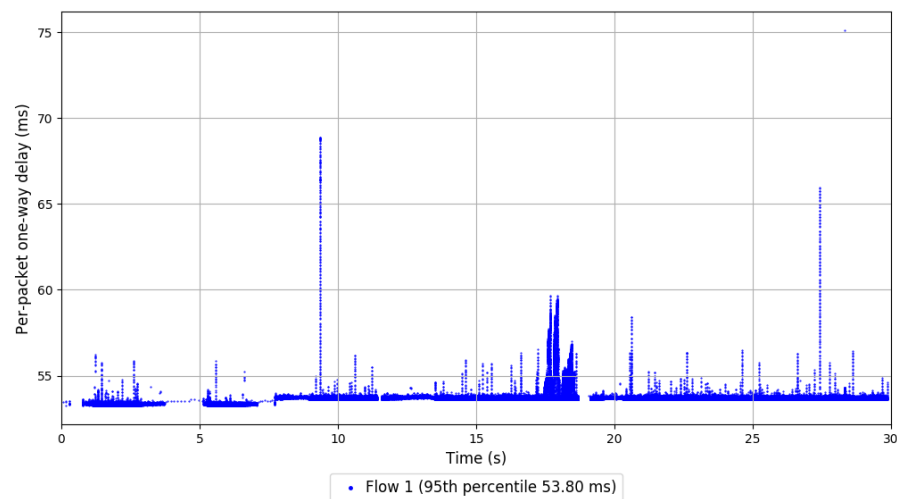
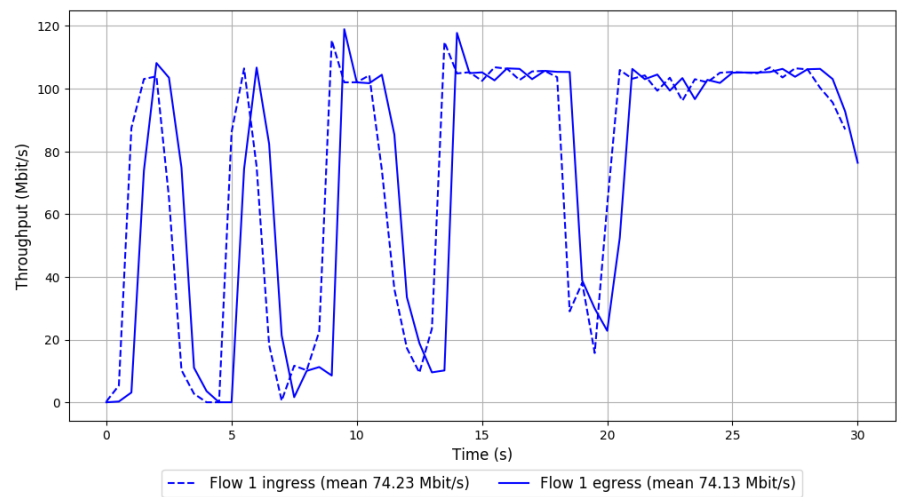
-- Flow 1:

Average throughput: 74.13 Mbit/s

95th percentile per-packet one-way delay: 53.802 ms

Loss rate: 0.50%

Run 4: Report of QUIC Cubic — Data Link

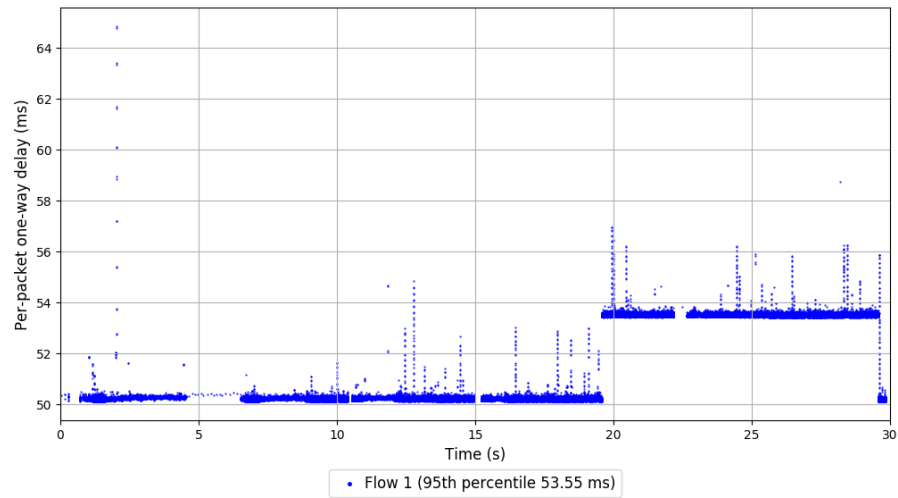
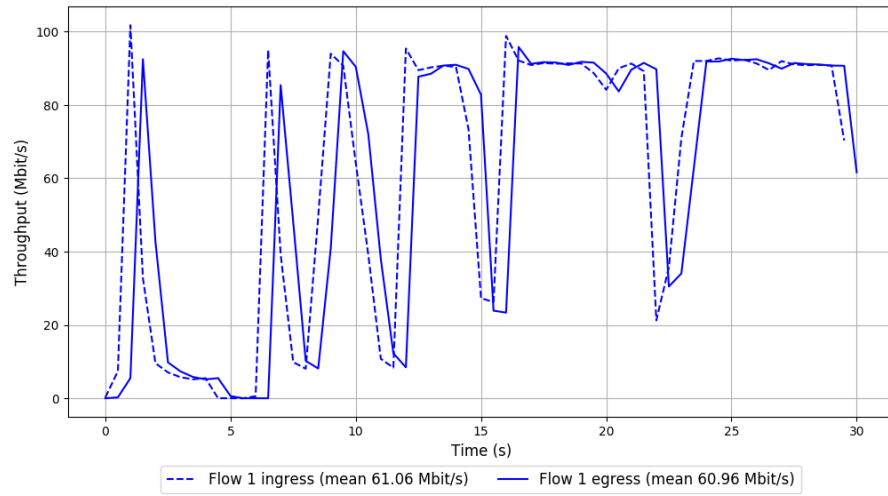


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-07 13:08:21
End at: 2018-06-07 13:08:51
Local clock offset: -0.258 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 53.545 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 53.545 ms
Loss rate: 0.51%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-07 13:28:40

End at: 2018-06-07 13:29:10

Local clock offset: 0.002 ms

Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 0.55%

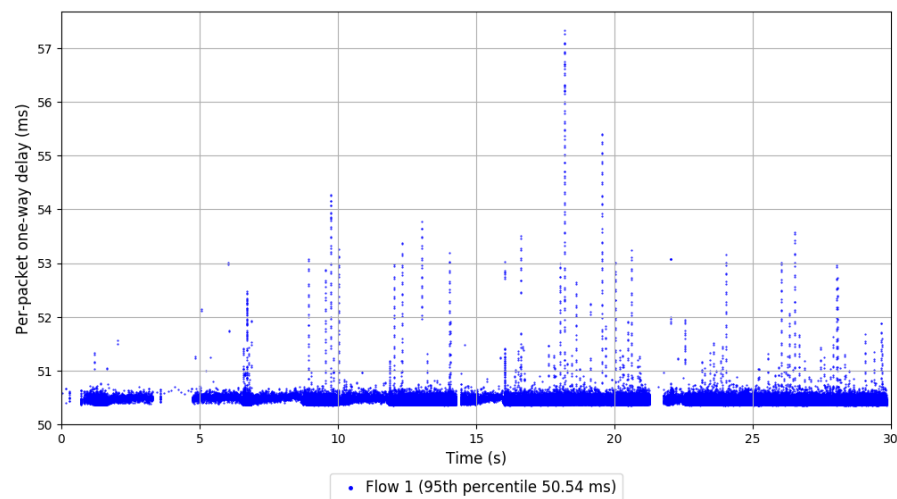
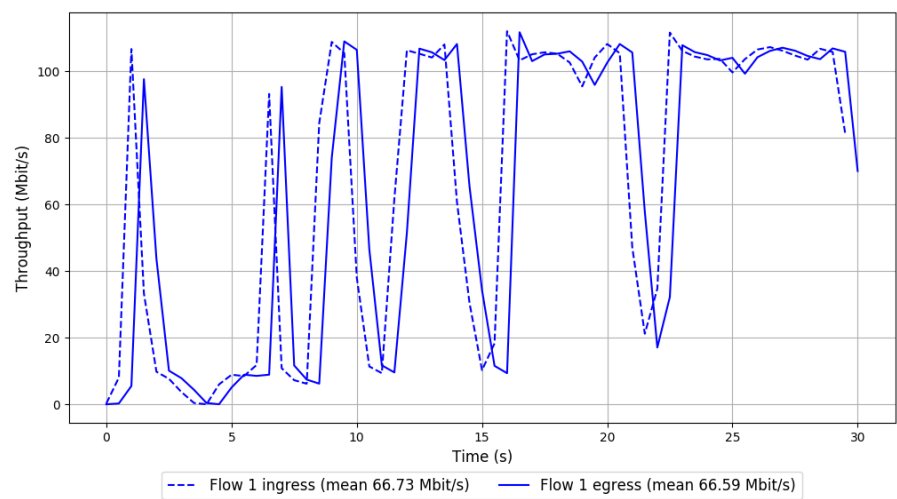
-- Flow 1:

Average throughput: 66.59 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 0.55%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-07 13:48:48

End at: 2018-06-07 13:49:18

Local clock offset: 0.117 ms

Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 53.993 ms

Loss rate: 0.50%

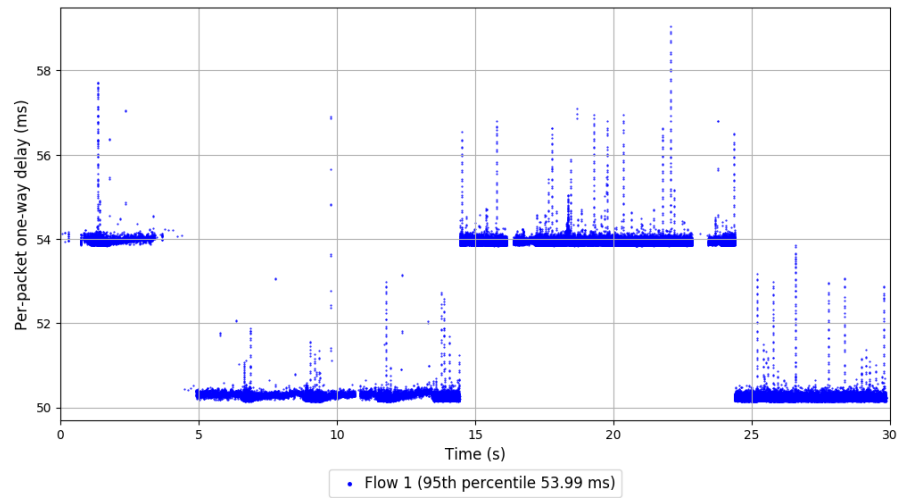
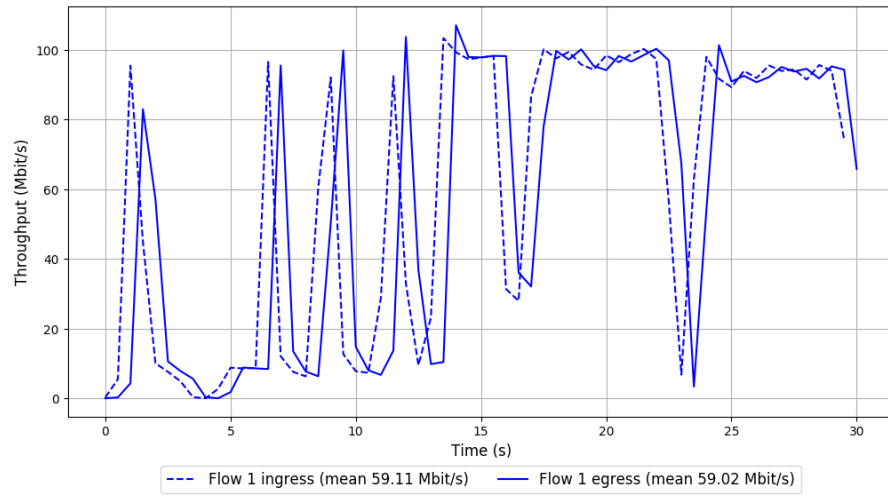
-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 53.993 ms

Loss rate: 0.50%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-07 14:09:11

End at: 2018-06-07 14:09:41

Local clock offset: -0.065 ms

Remote clock offset: 0.6 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.55 Mbit/s

95th percentile per-packet one-way delay: 53.372 ms

Loss rate: 0.52%

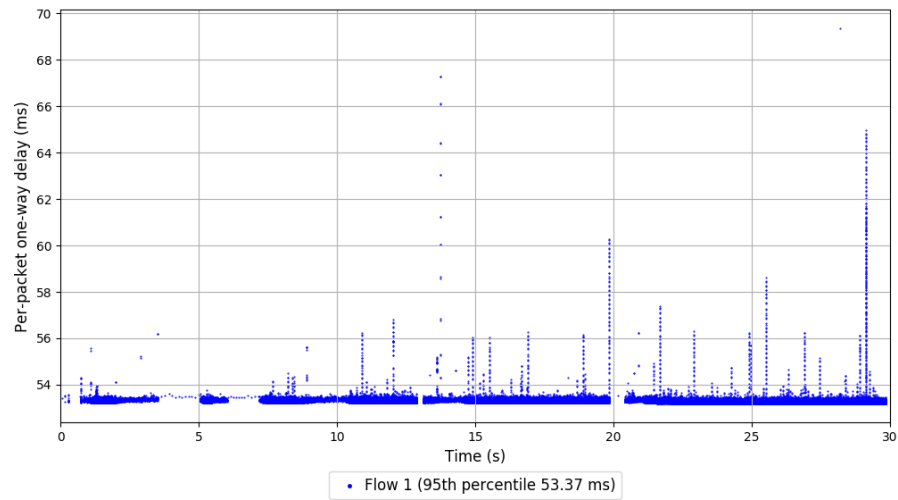
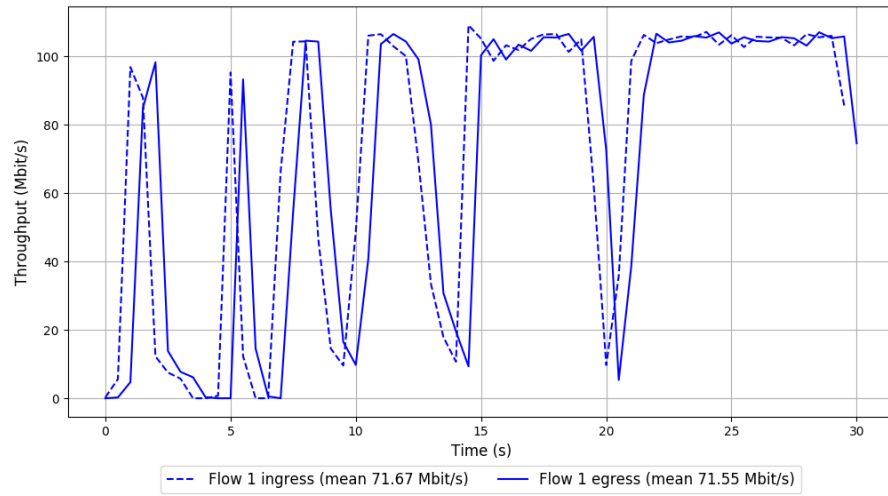
-- Flow 1:

Average throughput: 71.55 Mbit/s

95th percentile per-packet one-way delay: 53.372 ms

Loss rate: 0.52%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-07 14:29:28

End at: 2018-06-07 14:29:58

Local clock offset: -0.05 ms

Remote clock offset: 1.011 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 53.194 ms

Loss rate: 0.51%

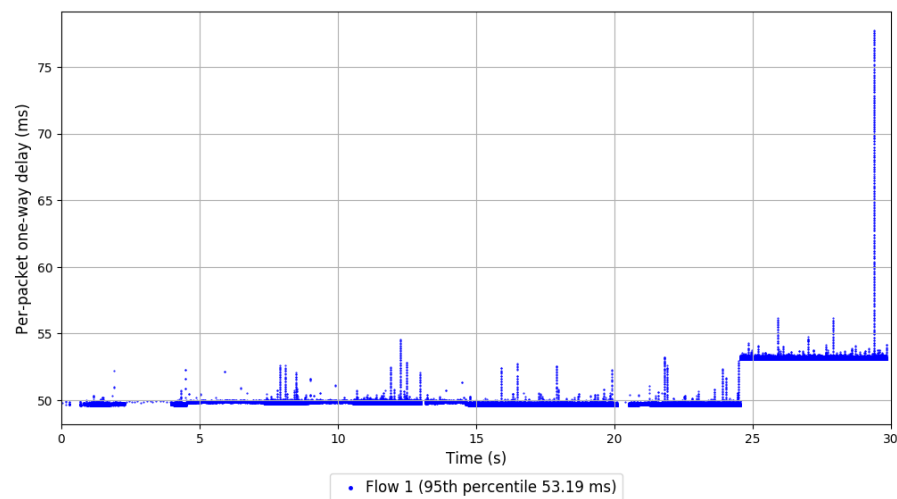
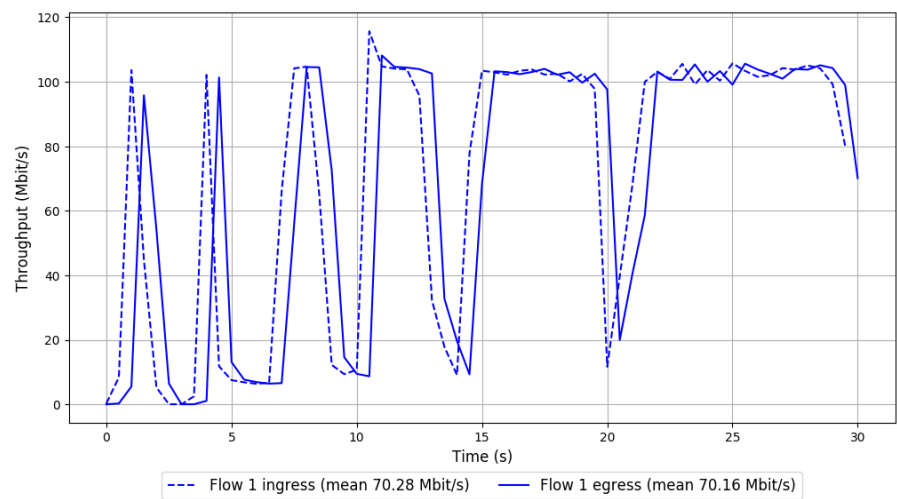
-- Flow 1:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 53.194 ms

Loss rate: 0.51%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-07 14:50:13

End at: 2018-06-07 14:50:43

Local clock offset: 0.23 ms

Remote clock offset: 0.806 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 50.225 ms

Loss rate: 0.51%

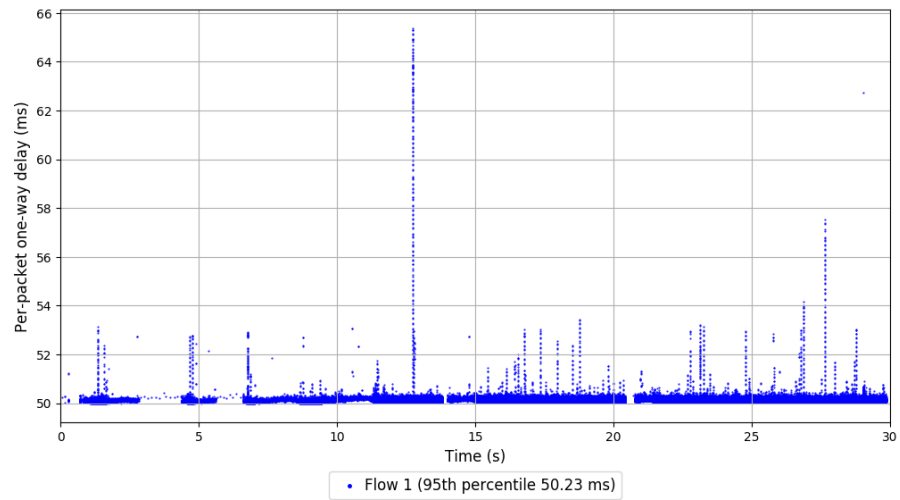
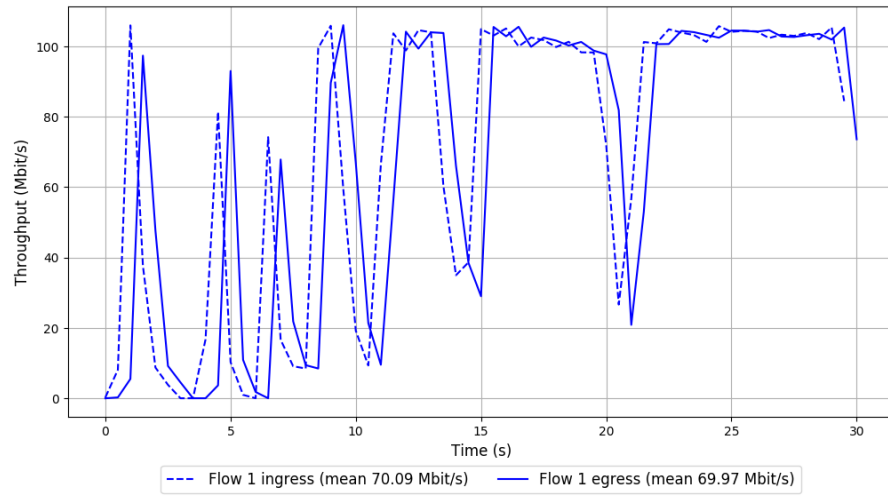
-- Flow 1:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 50.225 ms

Loss rate: 0.51%

Run 10: Report of QUIC Cubic — Data Link

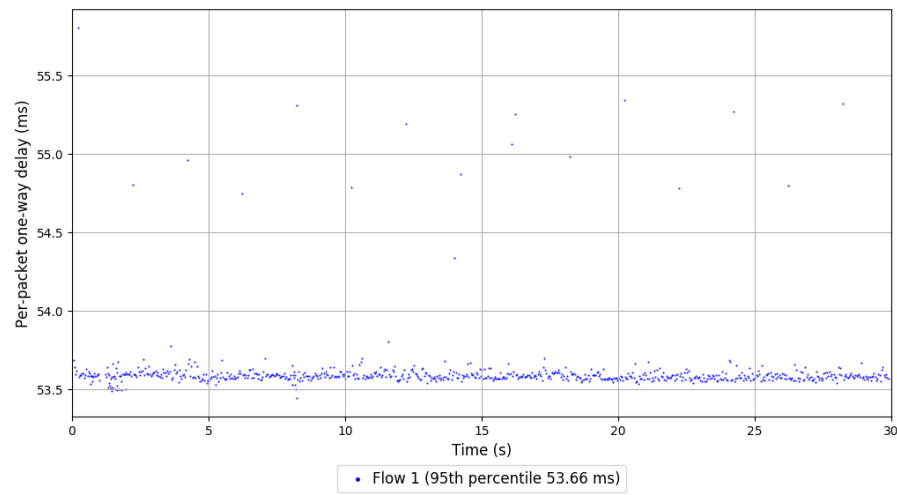
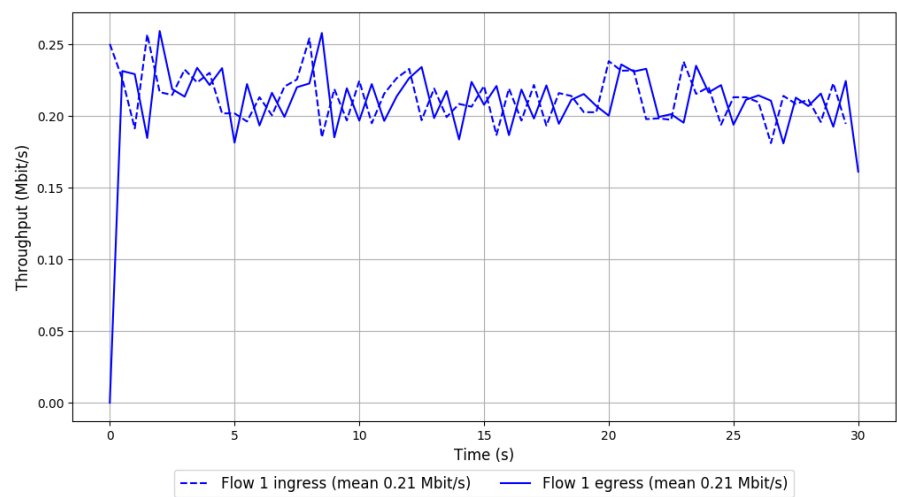


```
Run 1: Statistics of SCReAM

Start at: 2018-06-07 11:38:44
End at: 2018-06-07 11:39:14
Local clock offset: -0.125 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-06-07 16:09:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 0.39%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-07 11:59:08

End at: 2018-06-07 11:59:38

Local clock offset: -0.193 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.547 ms

Loss rate: 0.38%

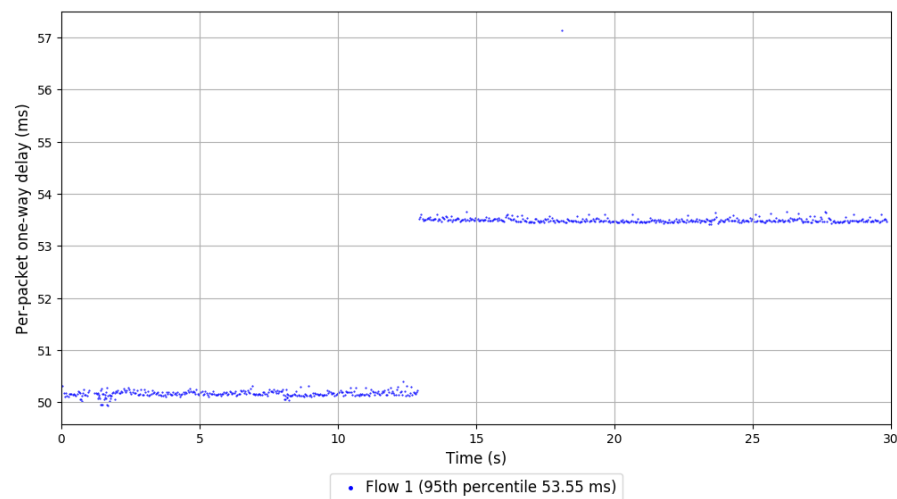
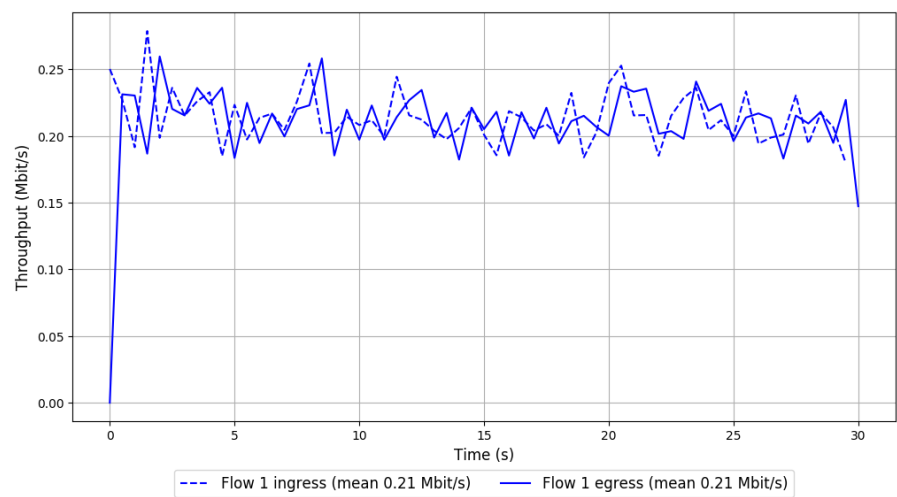
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.547 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link

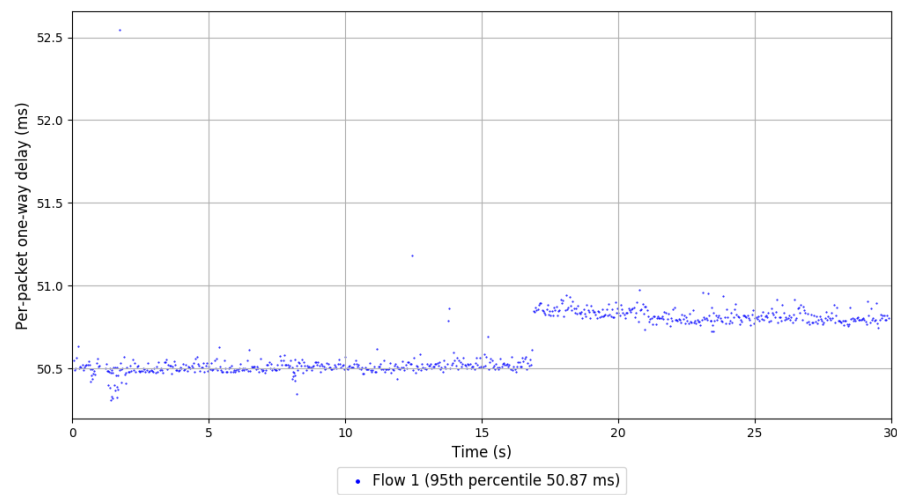
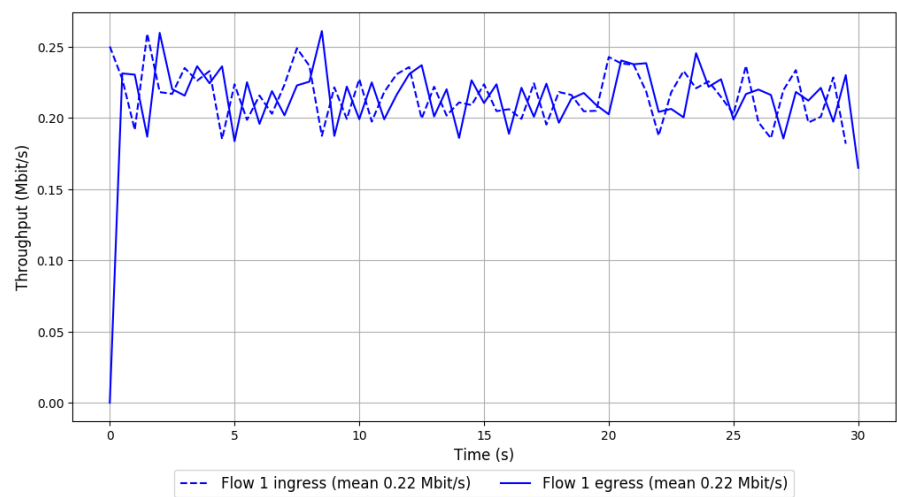


Run 3: Statistics of SCReAM

Start at: 2018-06-07 12:19:44
End at: 2018-06-07 12:20:14
Local clock offset: 0.155 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link

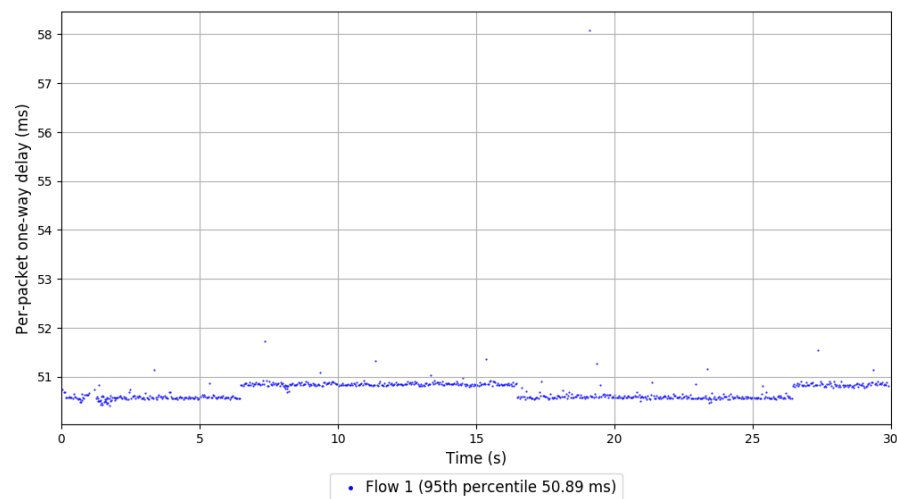
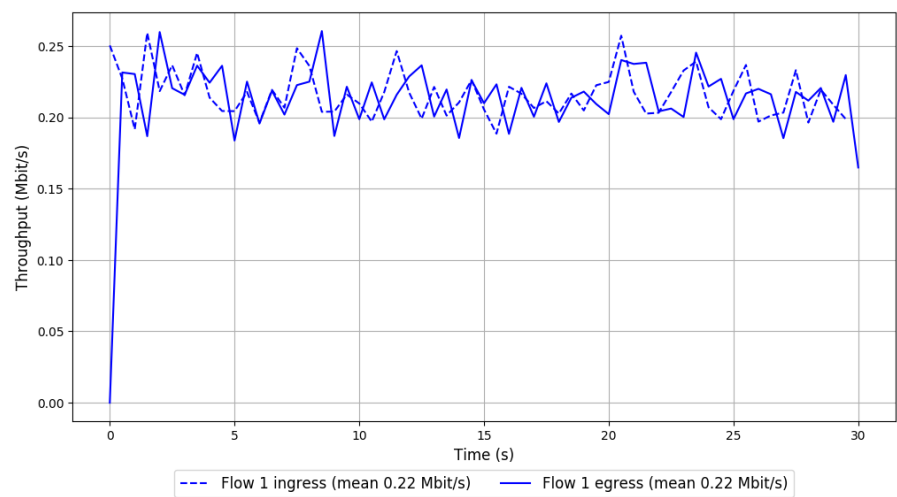


Run 4: Statistics of SCReAM

Start at: 2018-06-07 12:39:34
End at: 2018-06-07 12:40:04
Local clock offset: 0.096 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 0.39%

Run 4: Report of SCSReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-07 12:59:39

End at: 2018-06-07 13:00:09

Local clock offset: -0.176 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.826 ms

Loss rate: 0.38%

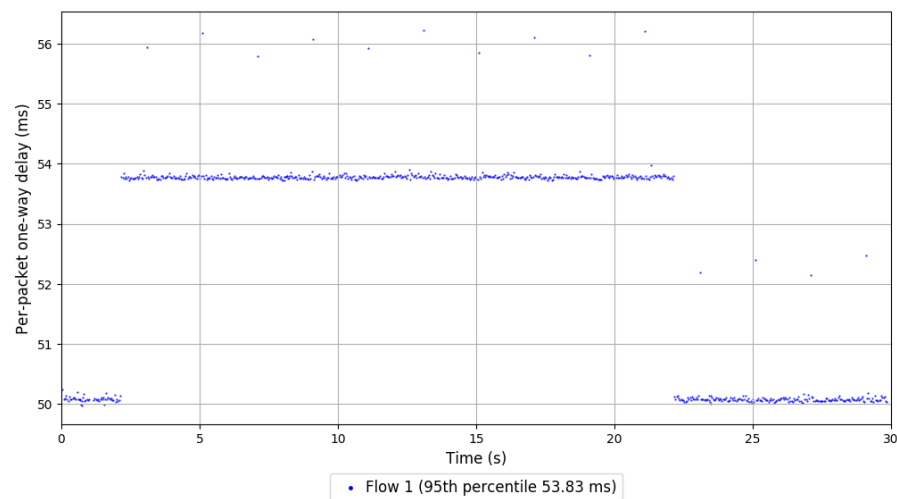
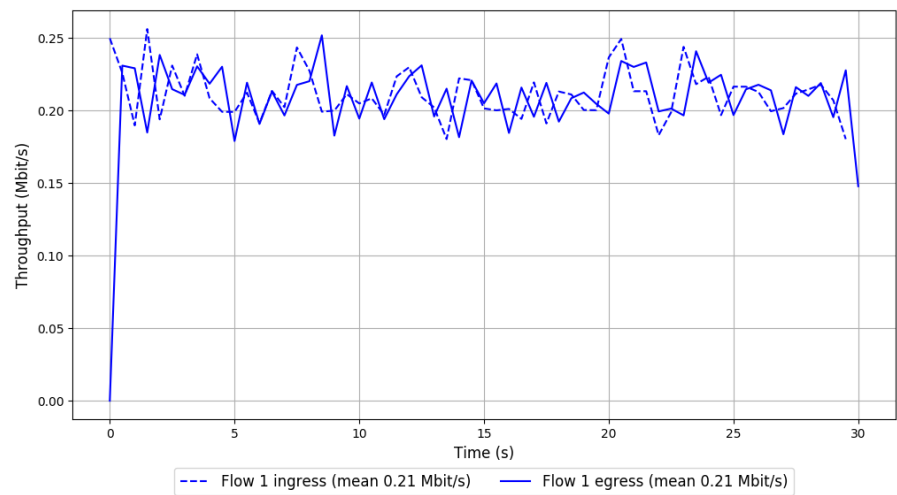
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.826 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-07 13:19:40

End at: 2018-06-07 13:20:10

Local clock offset: 0.006 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.078 ms

Loss rate: 0.26%

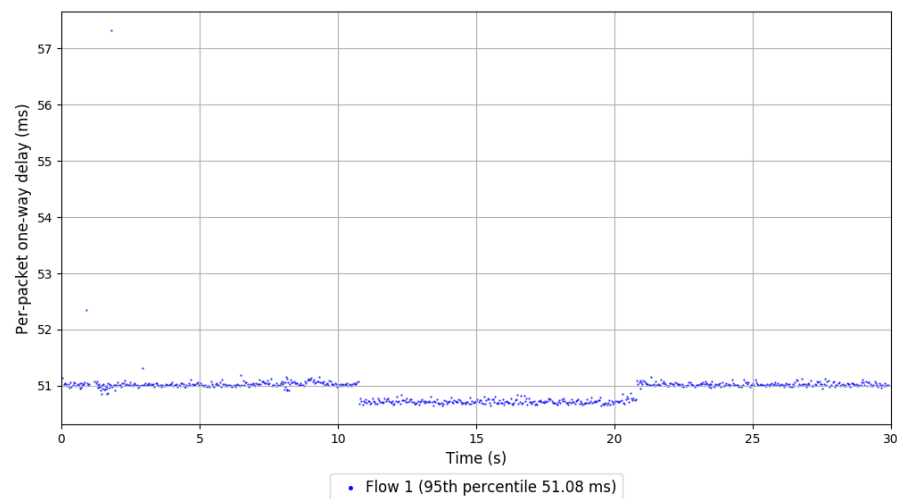
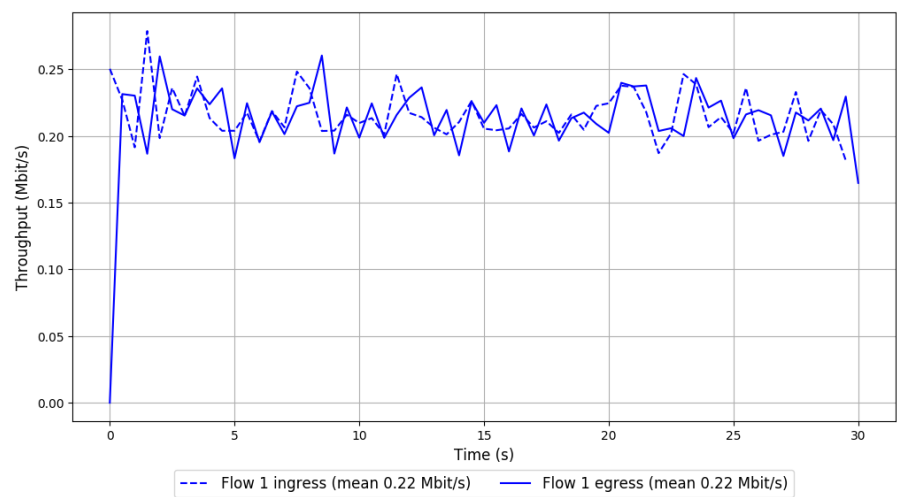
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.078 ms

Loss rate: 0.26%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-07 13:40:07

End at: 2018-06-07 13:40:37

Local clock offset: -0.262 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.271 ms

Loss rate: 0.26%

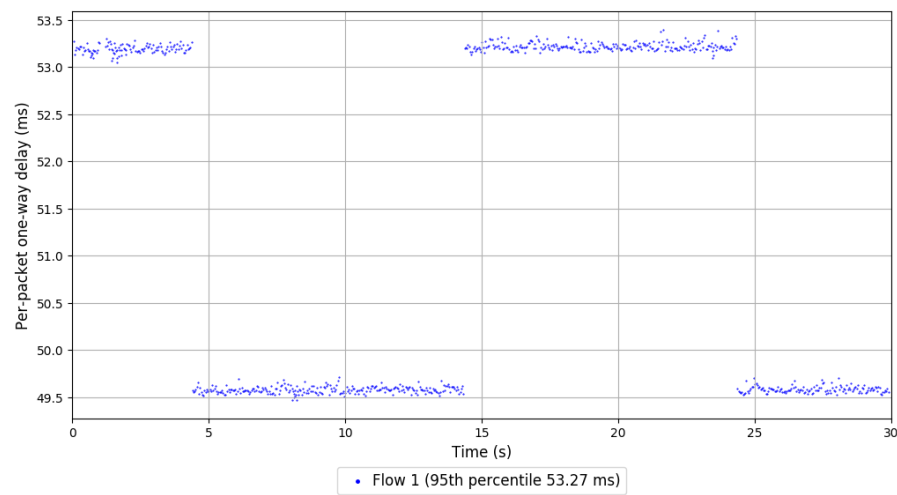
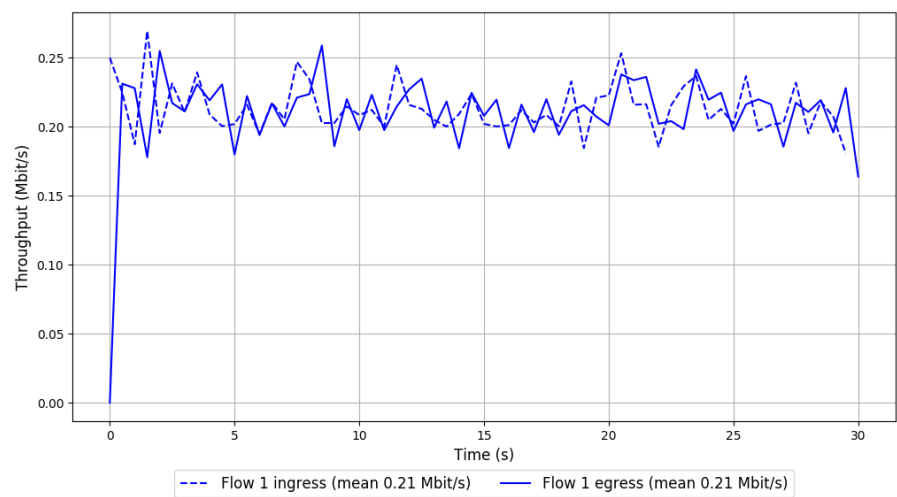
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.271 ms

Loss rate: 0.26%

Run 7: Report of SReAM — Data Link

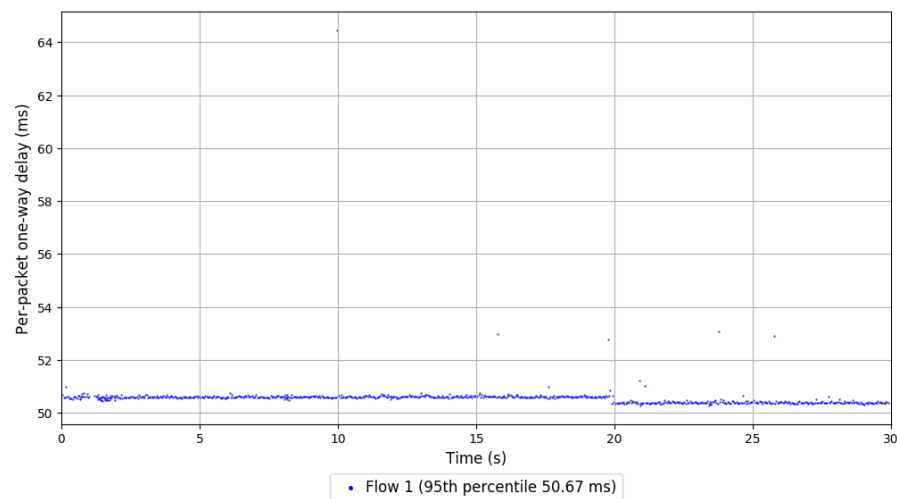
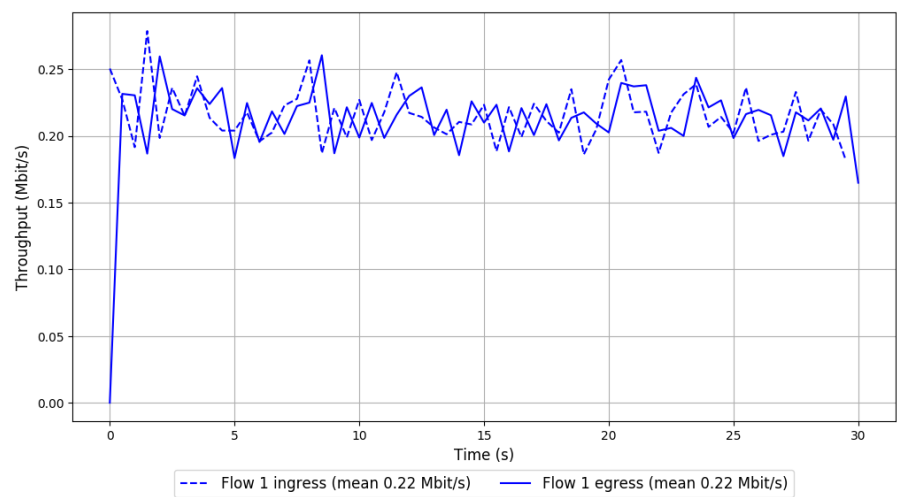


Run 8: Statistics of SCReAM

Start at: 2018-06-07 14:00:13
End at: 2018-06-07 14:00:43
Local clock offset: -0.027 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.26%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-07 14:20:31

End at: 2018-06-07 14:21:01

Local clock offset: -0.02 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.828 ms

Loss rate: 0.39%

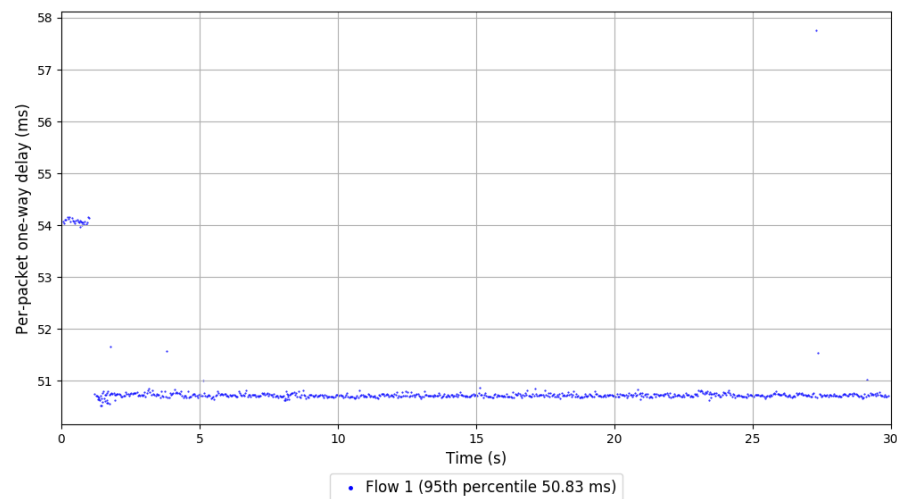
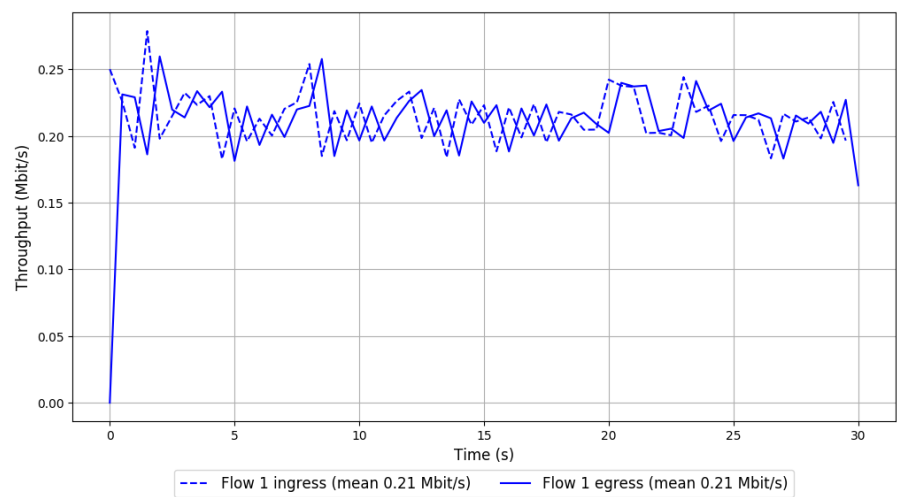
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.828 ms

Loss rate: 0.39%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-07 14:41:24

End at: 2018-06-07 14:41:54

Local clock offset: 0.073 ms

Remote clock offset: 0.818 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.908 ms

Loss rate: 0.38%

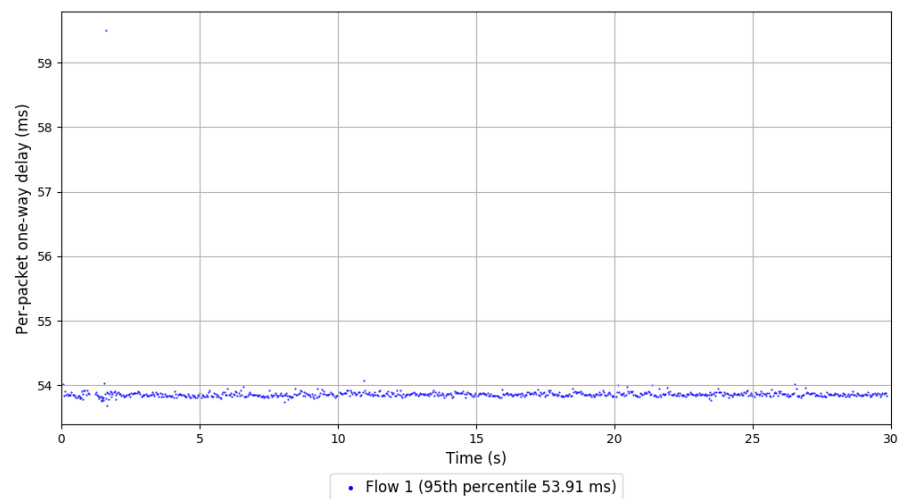
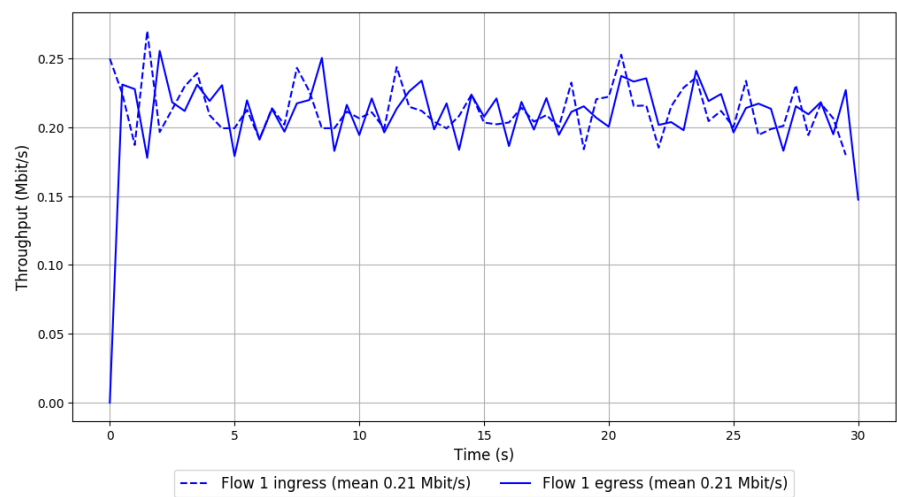
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.908 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-07 11:31:48

End at: 2018-06-07 11:32:18

Local clock offset: -0.196 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 53.358 ms

Loss rate: 0.33%

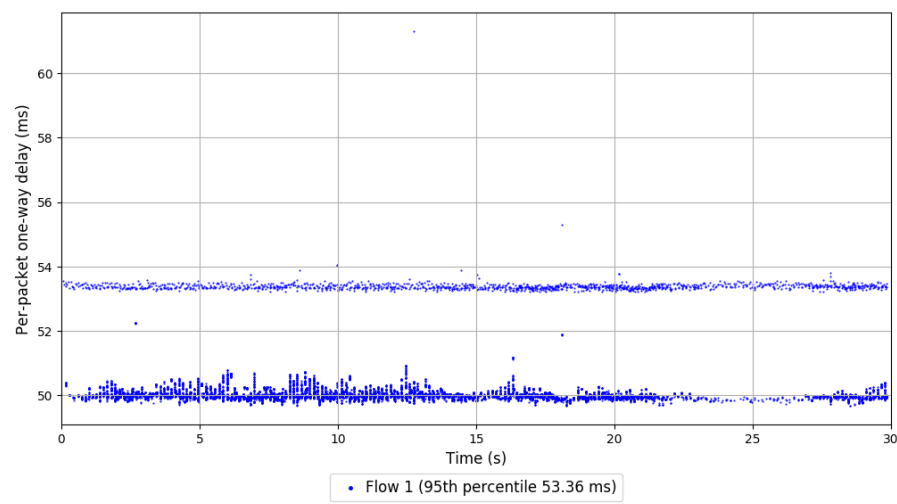
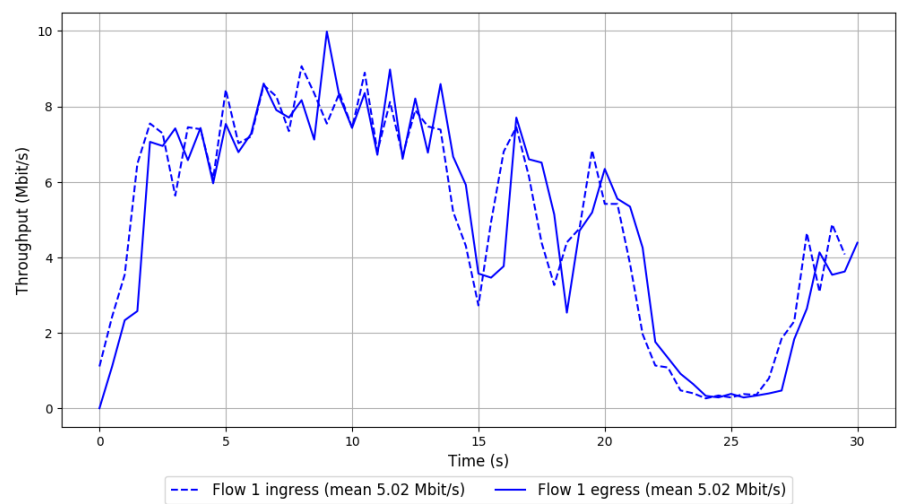
-- Flow 1:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 53.358 ms

Loss rate: 0.33%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-07 11:52:40

End at: 2018-06-07 11:53:10

Local clock offset: 0.1 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 50.854 ms

Loss rate: 0.57%

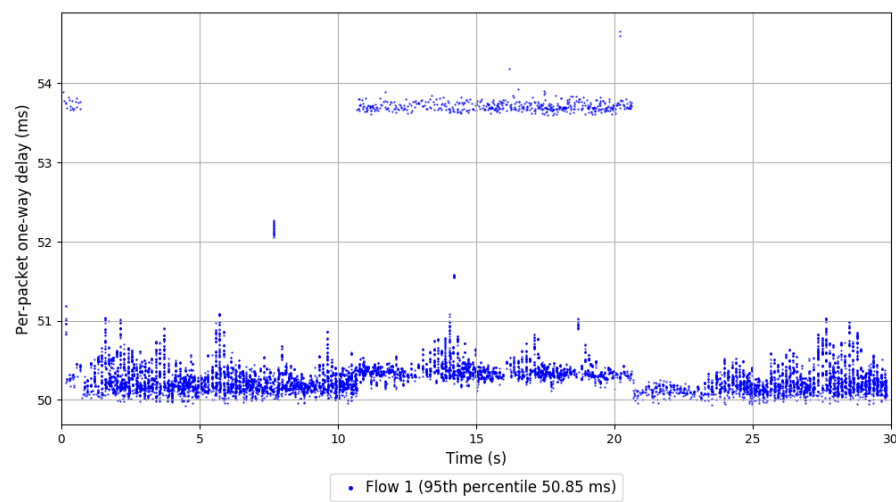
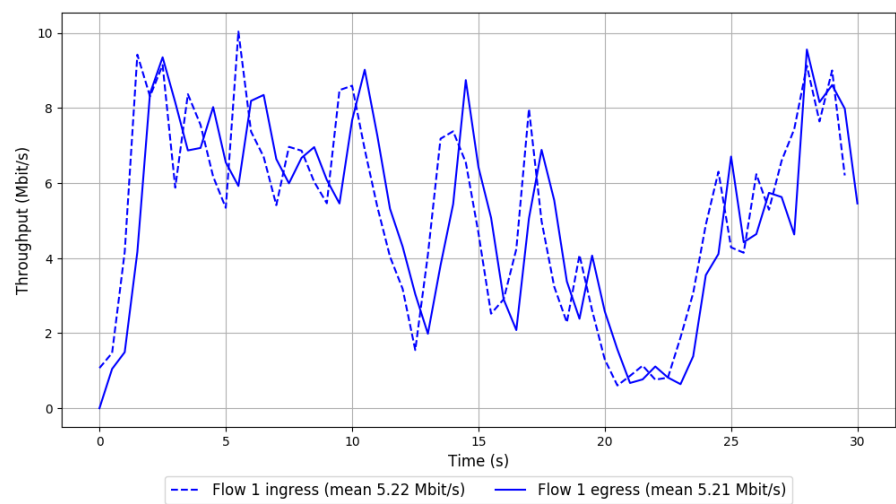
-- Flow 1:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 50.854 ms

Loss rate: 0.57%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-06-07 12:13:10

End at: 2018-06-07 12:13:40

Local clock offset: 0.114 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.41 Mbit/s

95th percentile per-packet one-way delay: 51.169 ms

Loss rate: 0.25%

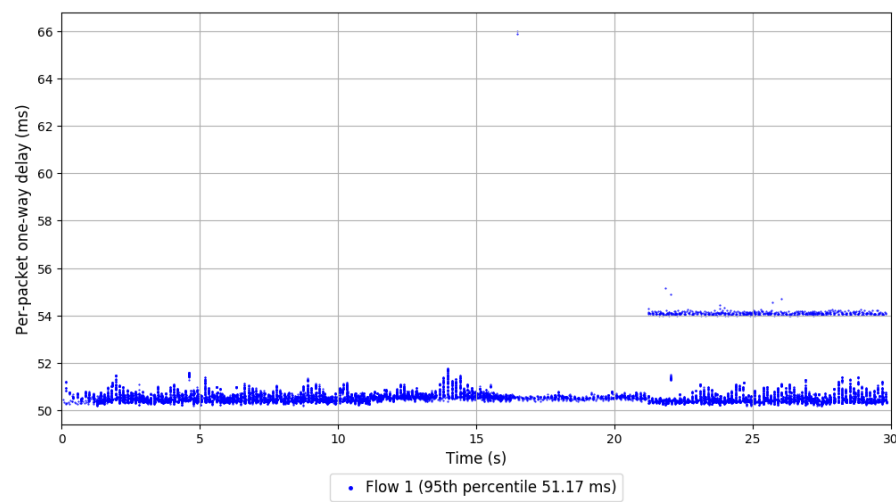
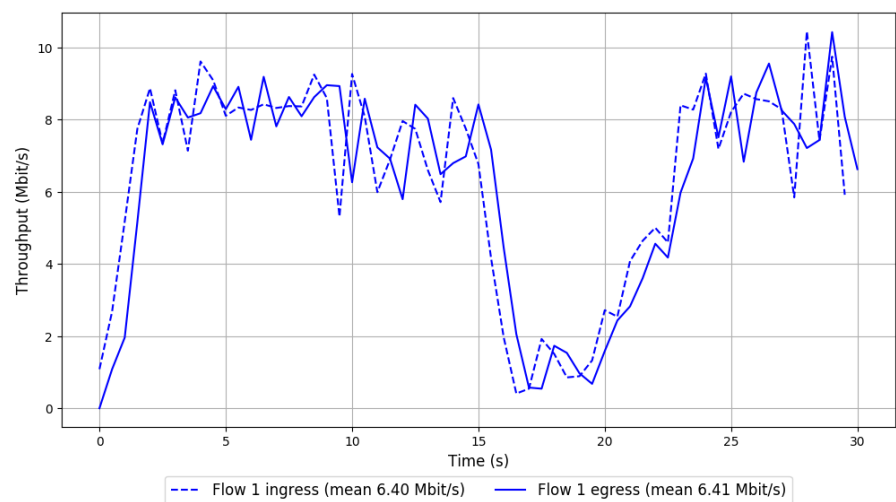
-- Flow 1:

Average throughput: 6.41 Mbit/s

95th percentile per-packet one-way delay: 51.169 ms

Loss rate: 0.25%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-06-07 12:33:15

End at: 2018-06-07 12:33:45

Local clock offset: 0.251 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 50.949 ms

Loss rate: 0.19%

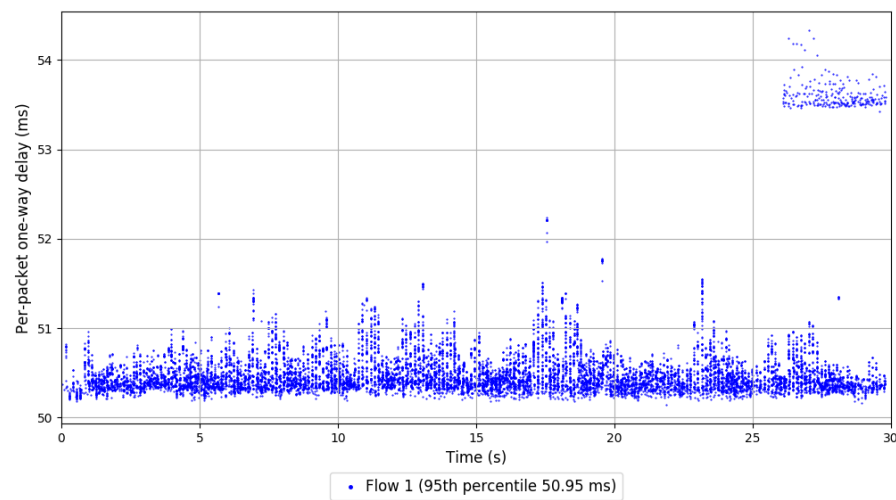
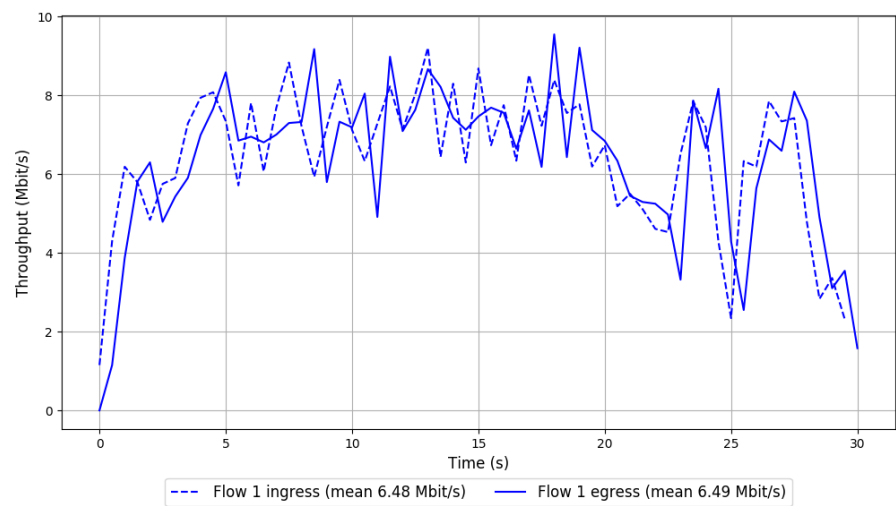
-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 50.949 ms

Loss rate: 0.19%

Run 4: Report of Sprout — Data Link

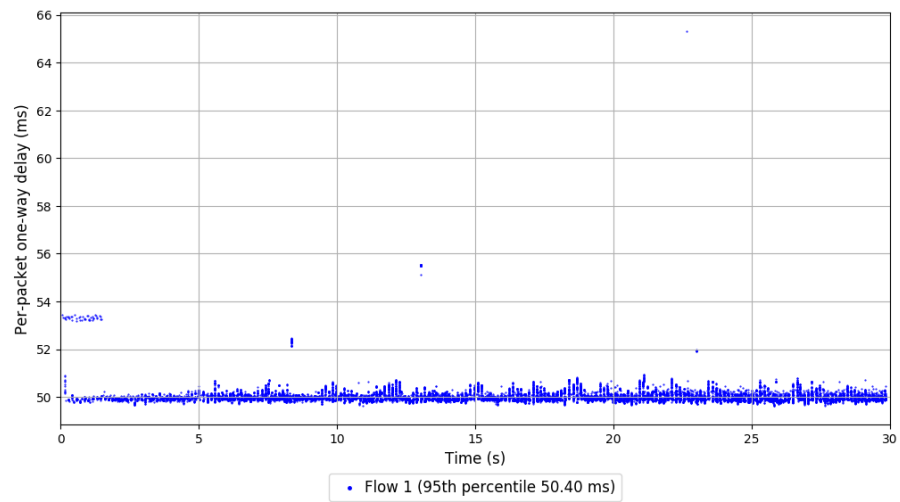
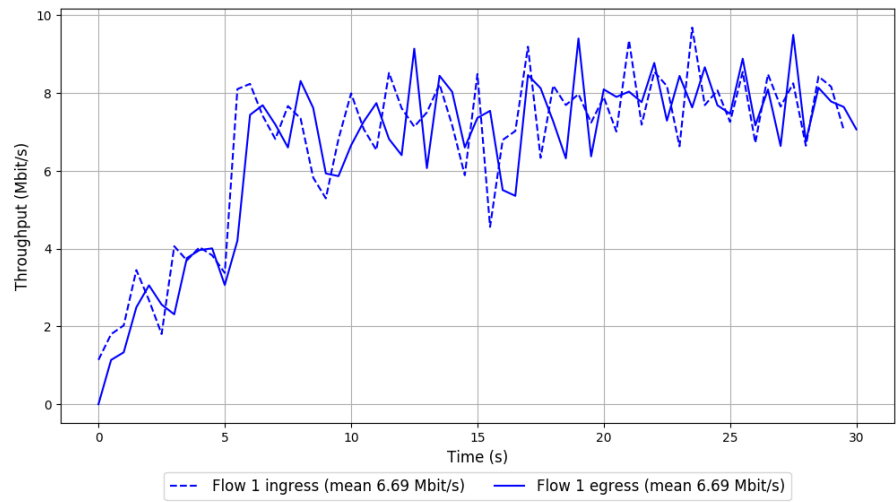


Run 5: Statistics of Sprout

Start at: 2018-06-07 12:52:59
End at: 2018-06-07 12:53:29
Local clock offset: -0.415 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.29%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-07 13:13:05

End at: 2018-06-07 13:13:35

Local clock offset: -0.045 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 50.766 ms

Loss rate: 0.40%

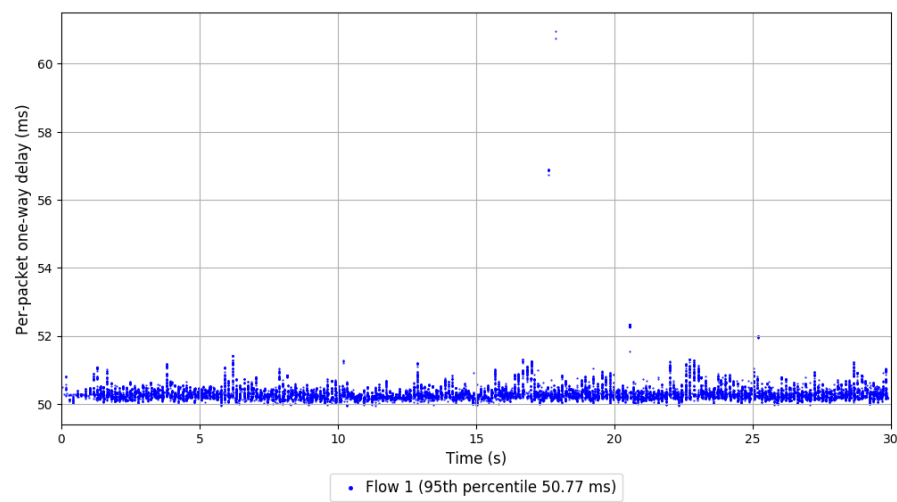
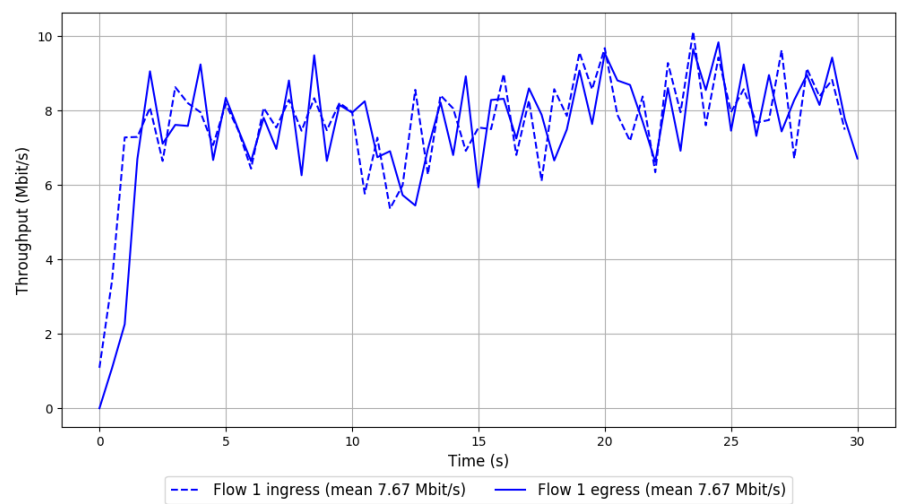
-- Flow 1:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 50.766 ms

Loss rate: 0.40%

Run 6: Report of Sprout — Data Link

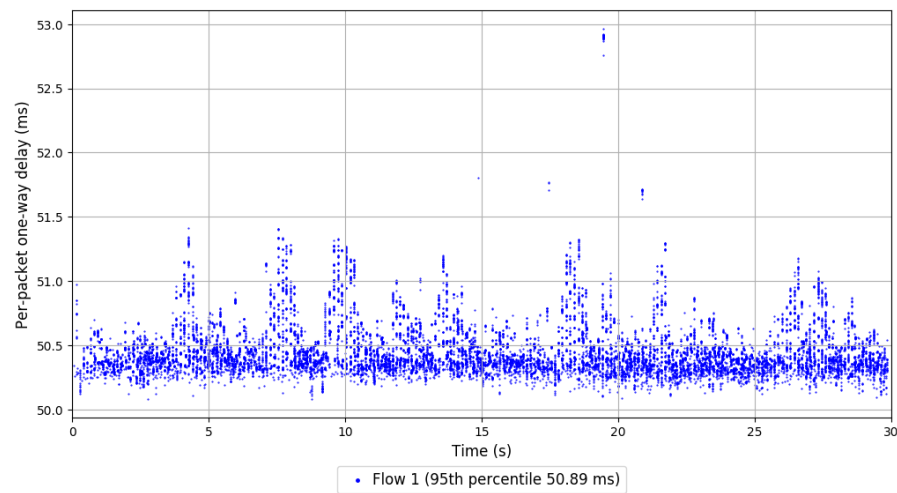
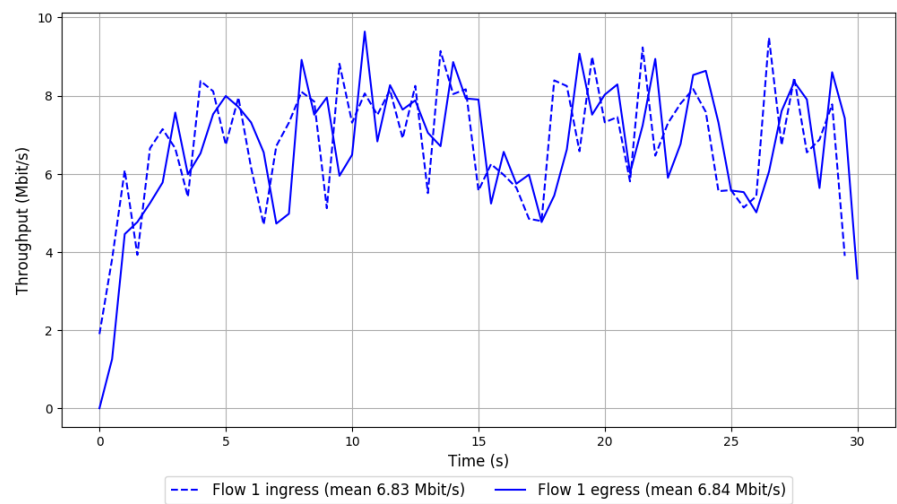


Run 7: Statistics of Sprout

Start at: 2018-06-07 13:33:25
End at: 2018-06-07 13:33:55
Local clock offset: -0.091 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 50.890 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 50.890 ms
Loss rate: 0.23%

Run 7: Report of Sprout — Data Link

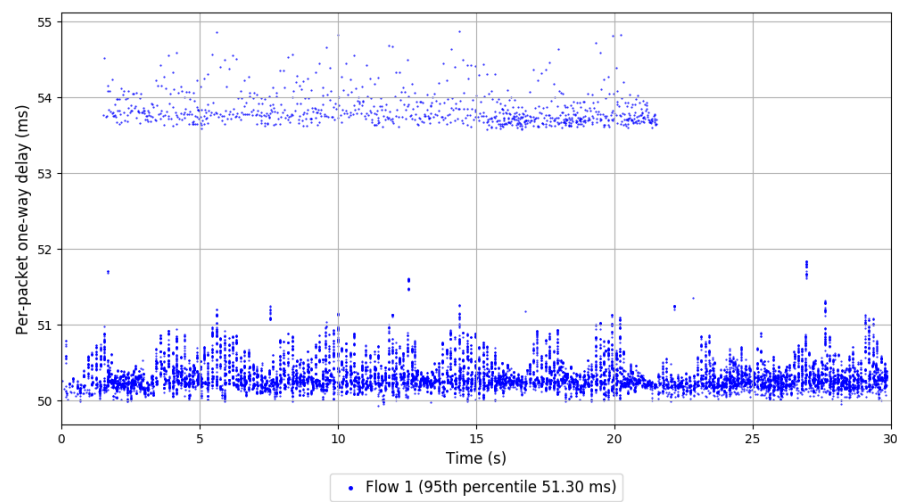
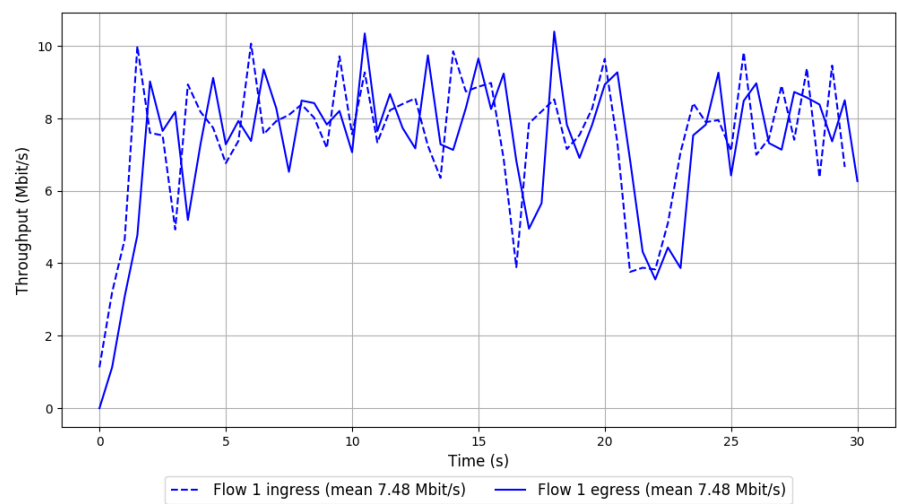


Run 8: Statistics of Sprout

Start at: 2018-06-07 13:53:31
End at: 2018-06-07 13:54:01
Local clock offset: -0.028 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-07 16:09:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 51.298 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 51.298 ms
Loss rate: 0.30%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-07 14:13:56

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

Local clock offset: -0.301 ms

Remote clock offset: 0.541 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 50.715 ms

Loss rate: 0.58%

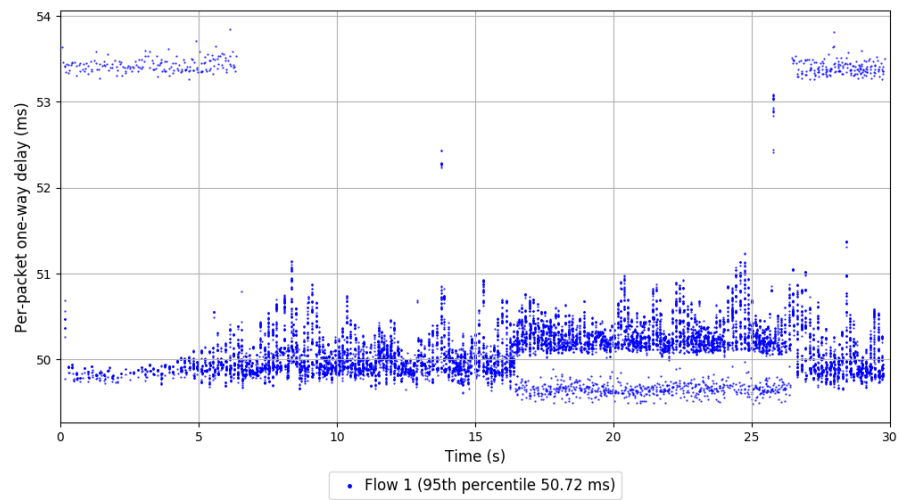
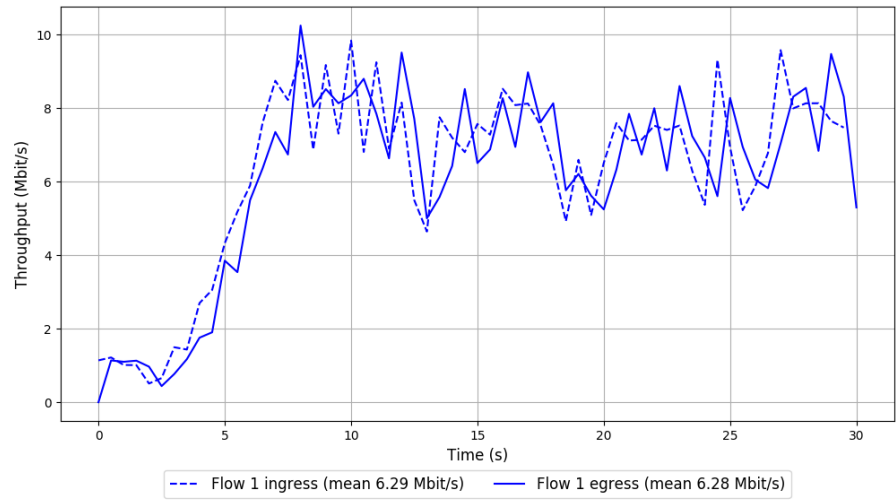
-- Flow 1:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 50.715 ms

Loss rate: 0.58%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-07 14:34:29

End at: 2018-06-07 14:34:59

Local clock offset: -0.09 ms

Remote clock offset: 0.72 ms

Below is generated by plot.py at 2018-06-07 16:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.51 Mbit/s

95th percentile per-packet one-way delay: 50.598 ms

Loss rate: 0.26%

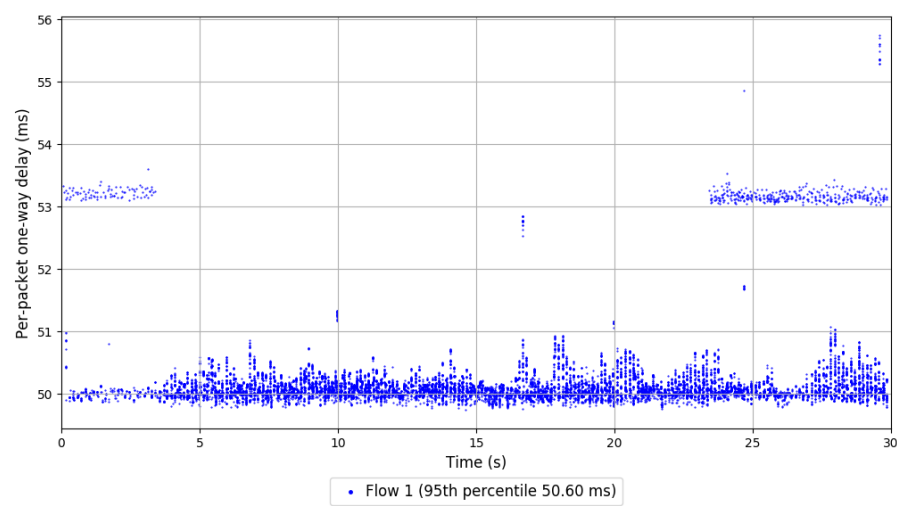
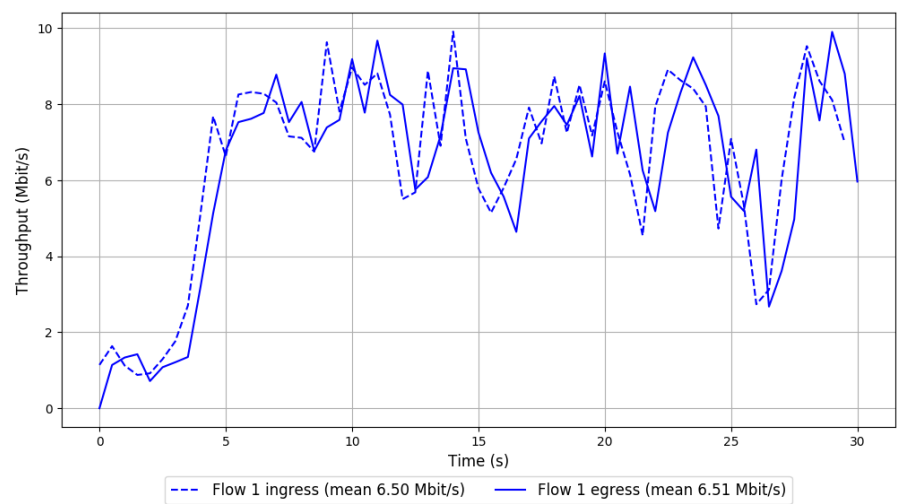
-- Flow 1:

Average throughput: 6.51 Mbit/s

95th percentile per-packet one-way delay: 50.598 ms

Loss rate: 0.26%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-07 11:34:10

End at: 2018-06-07 11:34:40

Local clock offset: -0.267 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-07 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.60 Mbit/s

95th percentile per-packet one-way delay: 50.191 ms

Loss rate: 0.36%

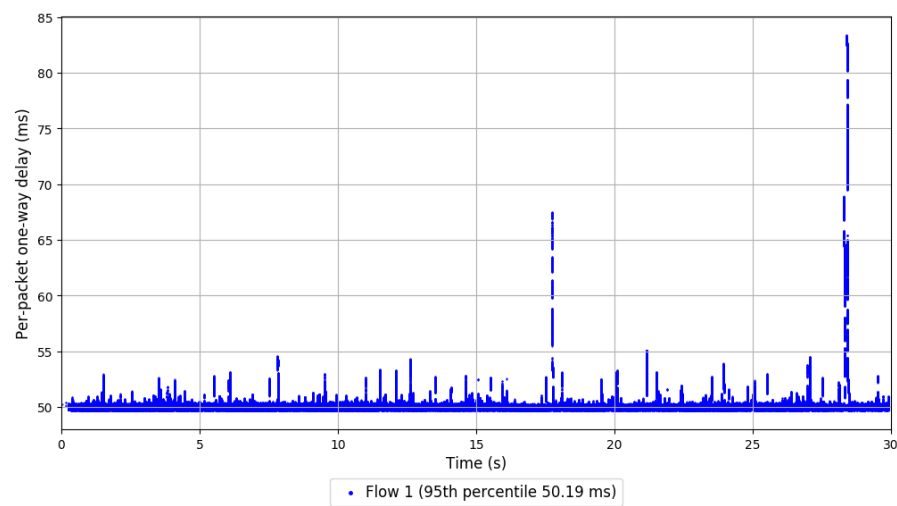
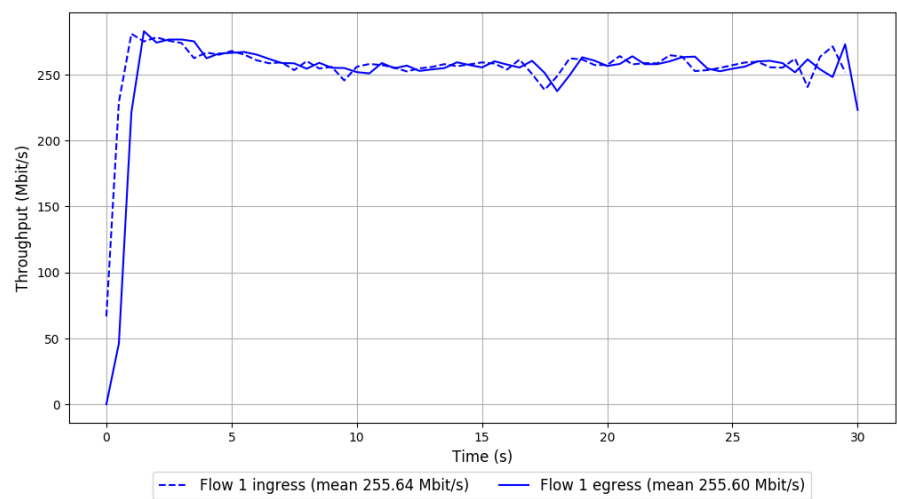
-- Flow 1:

Average throughput: 255.60 Mbit/s

95th percentile per-packet one-way delay: 50.191 ms

Loss rate: 0.36%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-07 11:54:55

End at: 2018-06-07 11:55:25

Local clock offset: -0.229 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-06-07 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.84 Mbit/s

95th percentile per-packet one-way delay: 53.026 ms

Loss rate: 0.07%

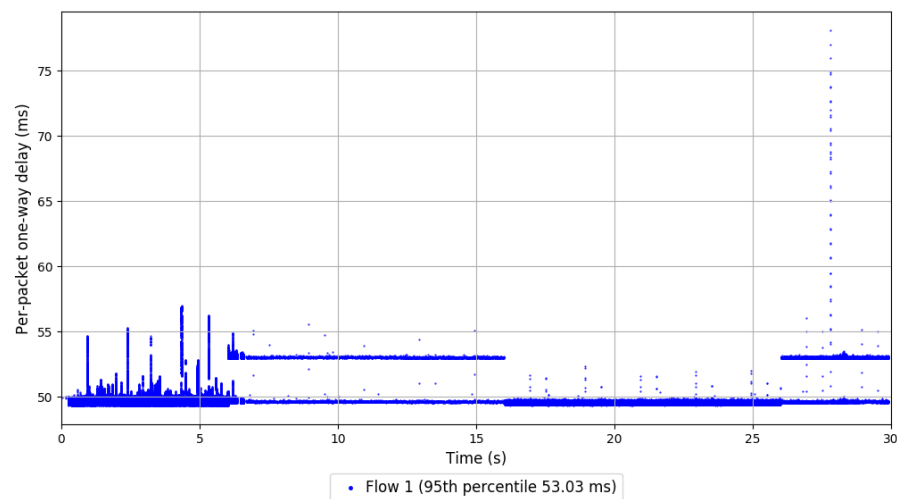
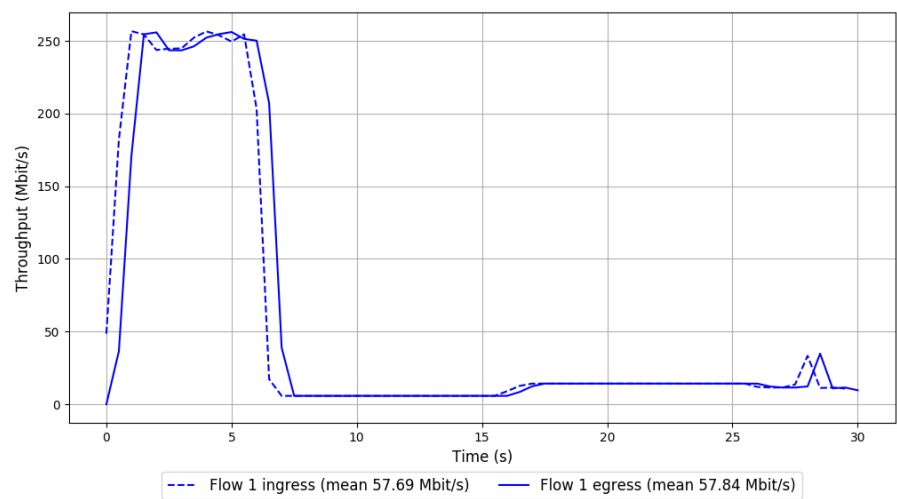
-- Flow 1:

Average throughput: 57.84 Mbit/s

95th percentile per-packet one-way delay: 53.026 ms

Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-07 12:15:27

End at: 2018-06-07 12:15:57

Local clock offset: 0.196 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-06-07 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.09 Mbit/s

95th percentile per-packet one-way delay: 53.864 ms

Loss rate: 0.00%

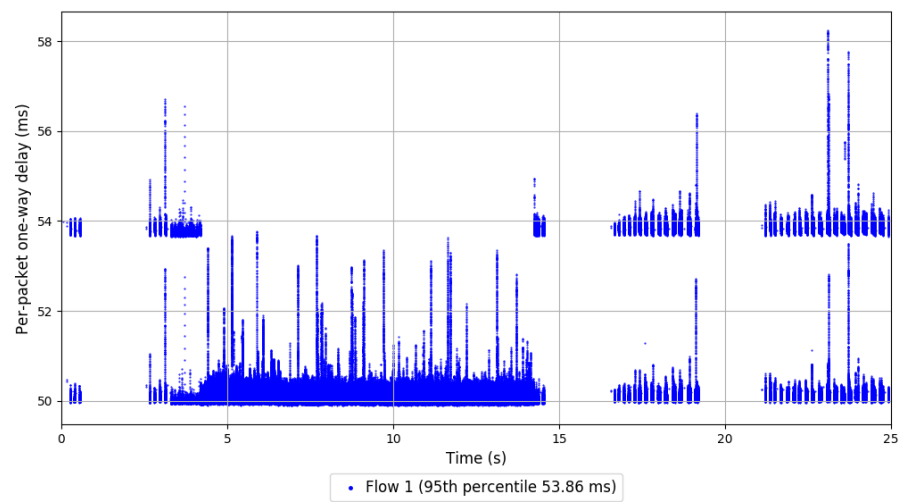
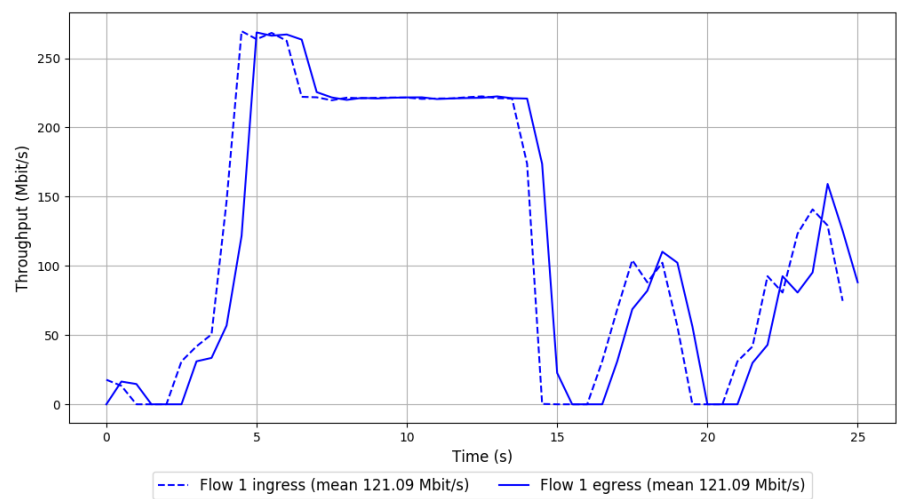
-- Flow 1:

Average throughput: 121.09 Mbit/s

95th percentile per-packet one-way delay: 53.864 ms

Loss rate: 0.00%

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

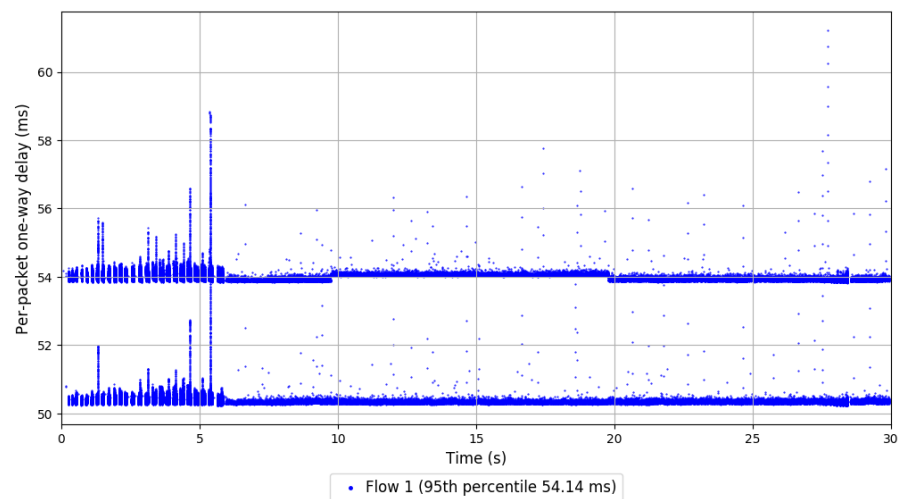
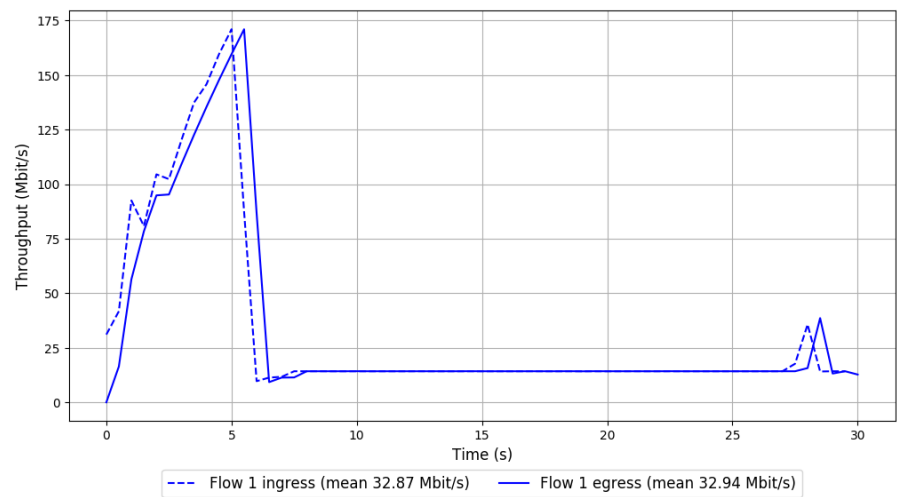


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-07 12:35:31
End at: 2018-06-07 12:36:01
Local clock offset: -0.007 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-06-07 16:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 54.137 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 54.137 ms
Loss rate: 0.15%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-07 12:55:14

End at: 2018-06-07 12:55:44

Local clock offset: -0.386 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-07 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.57 Mbit/s

95th percentile per-packet one-way delay: 49.929 ms

Loss rate: 0.04%

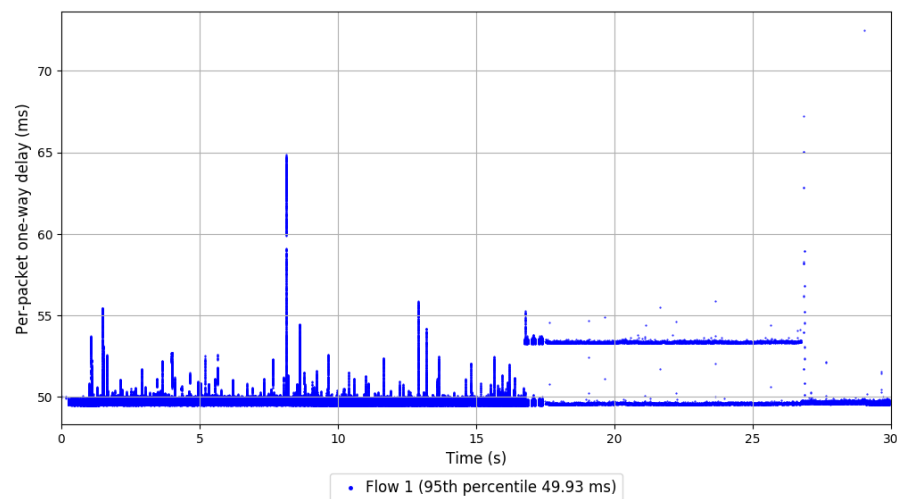
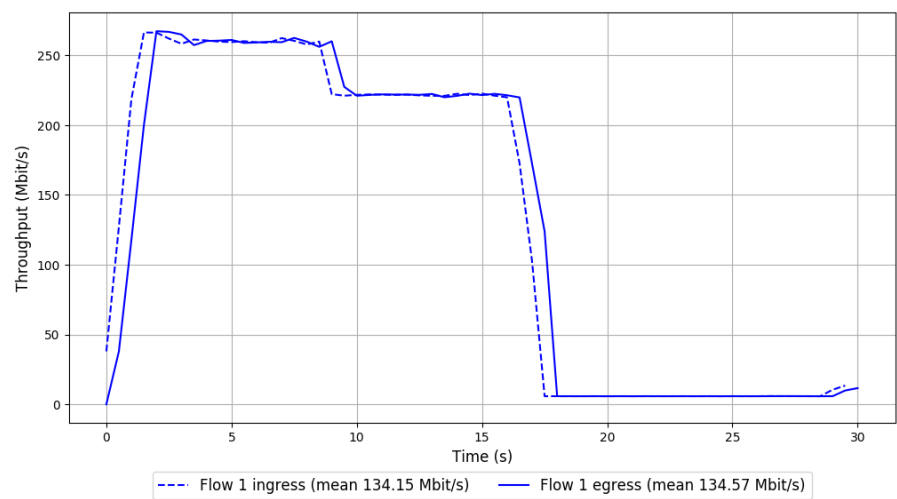
-- Flow 1:

Average throughput: 134.57 Mbit/s

95th percentile per-packet one-way delay: 49.929 ms

Loss rate: 0.04%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-07 13:15:24

End at: 2018-06-07 13:15:54

Local clock offset: -0.11 ms

Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-07 16:11:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.59 Mbit/s

95th percentile per-packet one-way delay: 53.484 ms

Loss rate: 0.07%

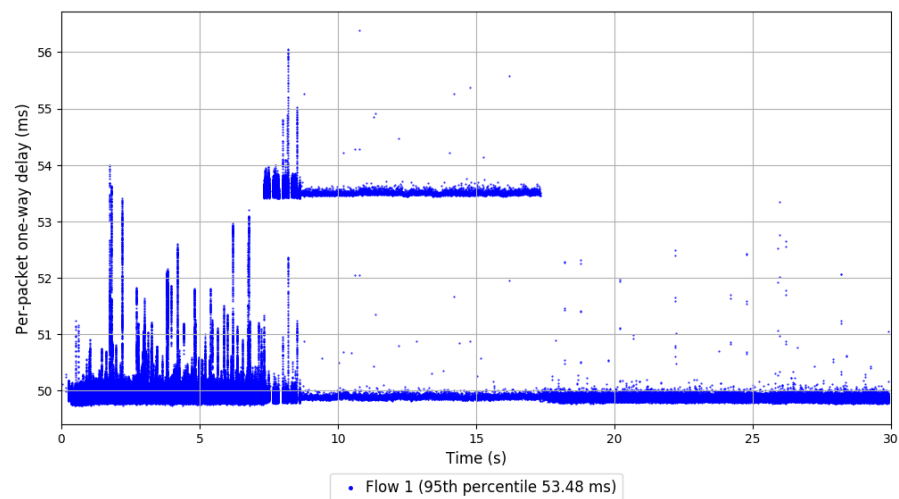
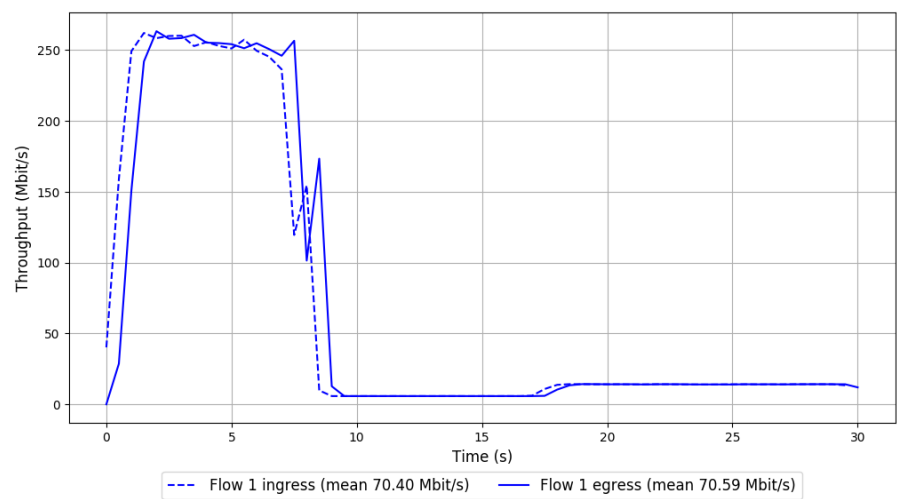
-- Flow 1:

Average throughput: 70.59 Mbit/s

95th percentile per-packet one-way delay: 53.484 ms

Loss rate: 0.07%

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

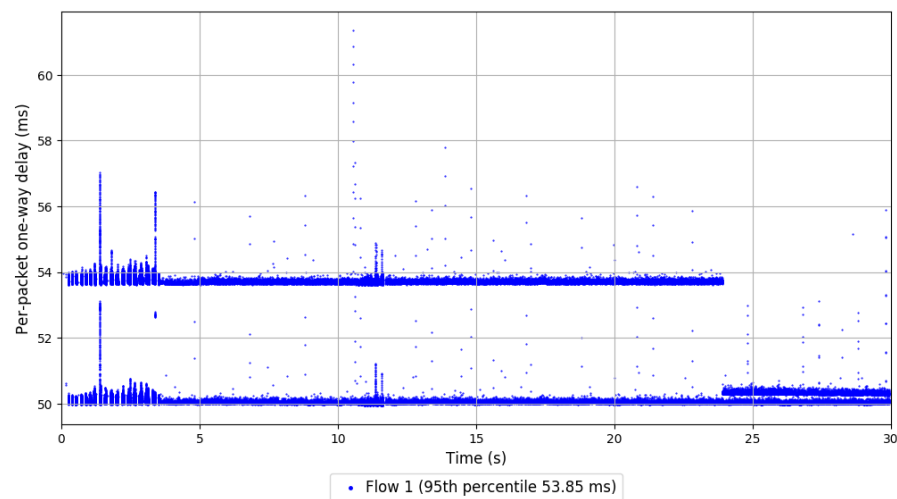
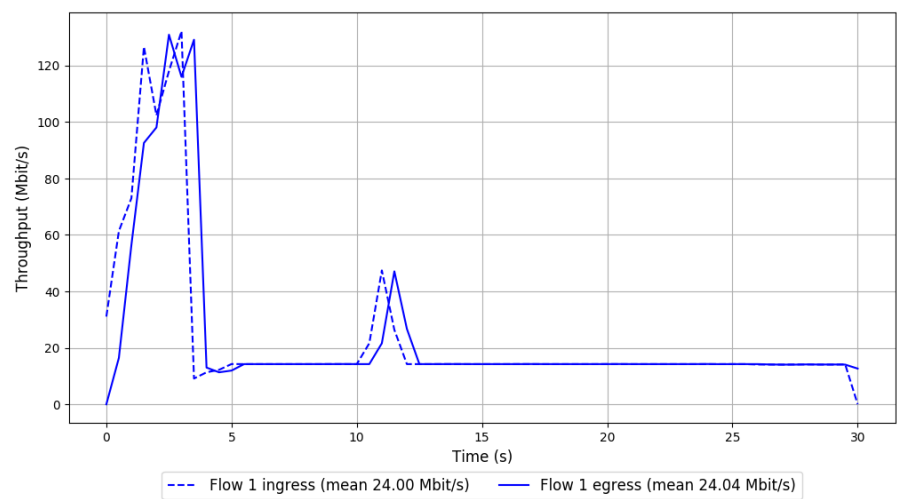


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-07 13:35:47
End at: 2018-06-07 13:36:17
Local clock offset: -0.168 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-06-07 16:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 53.854 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 53.854 ms
Loss rate: 0.20%

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

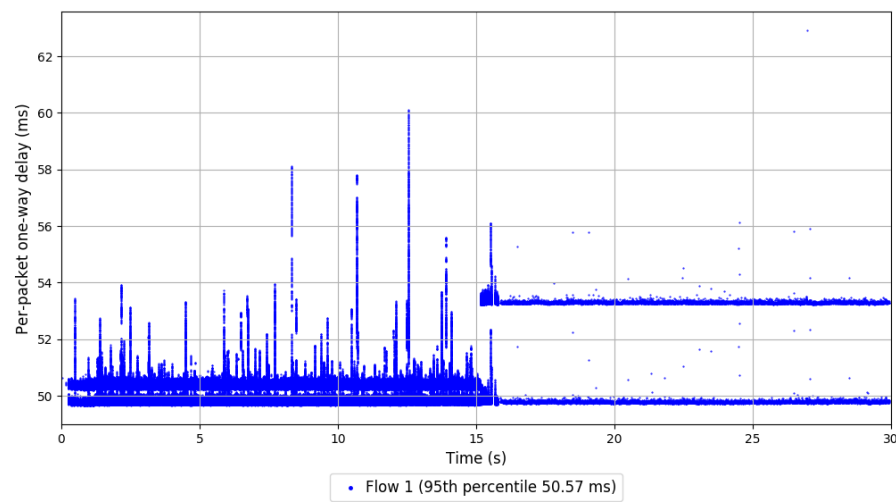
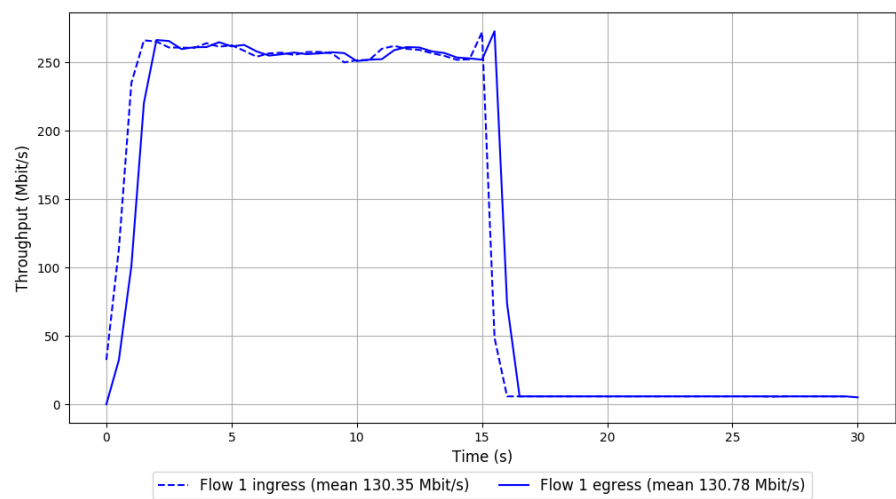


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-07 13:55:47
End at: 2018-06-07 13:56:17
Local clock offset: -0.212 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-07 16:11:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.78 Mbit/s
95th percentile per-packet one-way delay: 50.573 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 130.78 Mbit/s
95th percentile per-packet one-way delay: 50.573 ms
Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

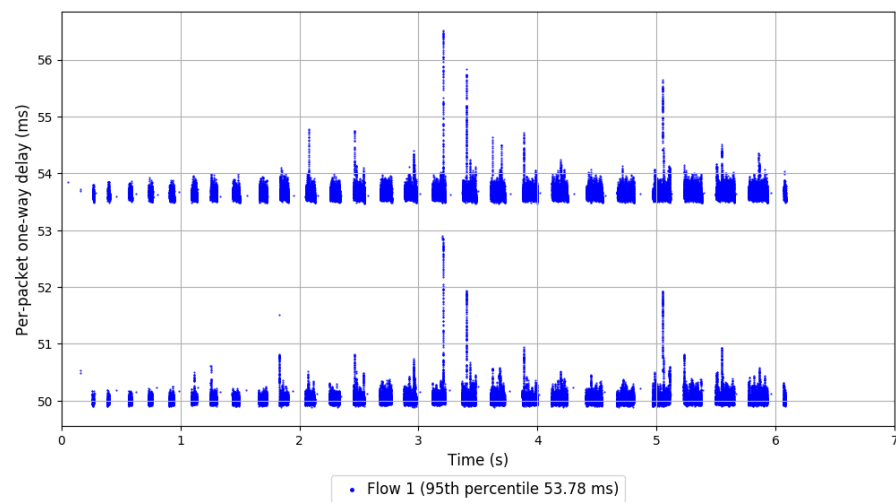
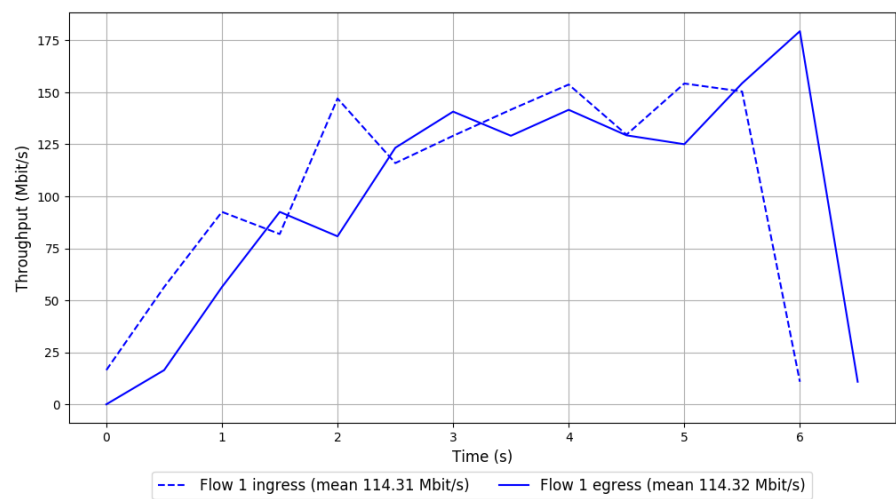
Start at: 2018-06-07 14:16:15

End at: 2018-06-07 14:16:45

Local clock offset: -0.135 ms

Remote clock offset: 0.412 ms

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-07 14:36:49

End at: 2018-06-07 14:37:19

Local clock offset: -0.074 ms

Remote clock offset: 0.507 ms

Below is generated by plot.py at 2018-06-07 16:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.25 Mbit/s

95th percentile per-packet one-way delay: 50.612 ms

Loss rate: 0.38%

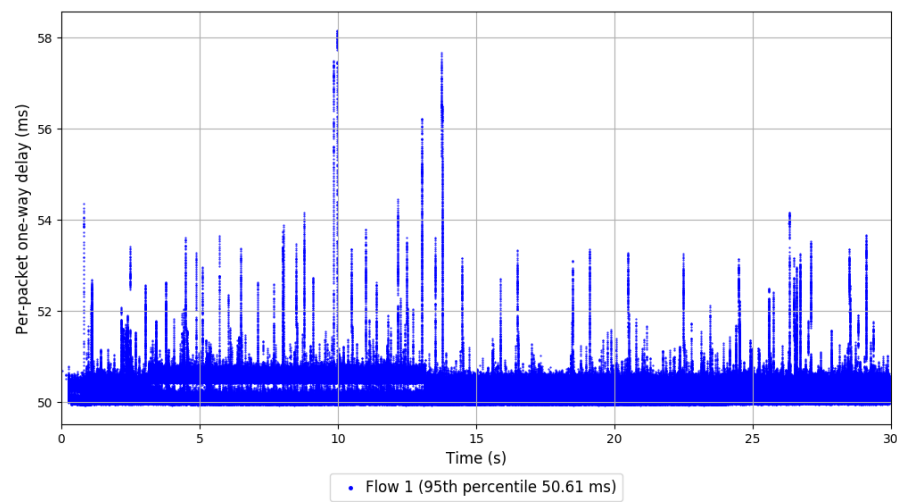
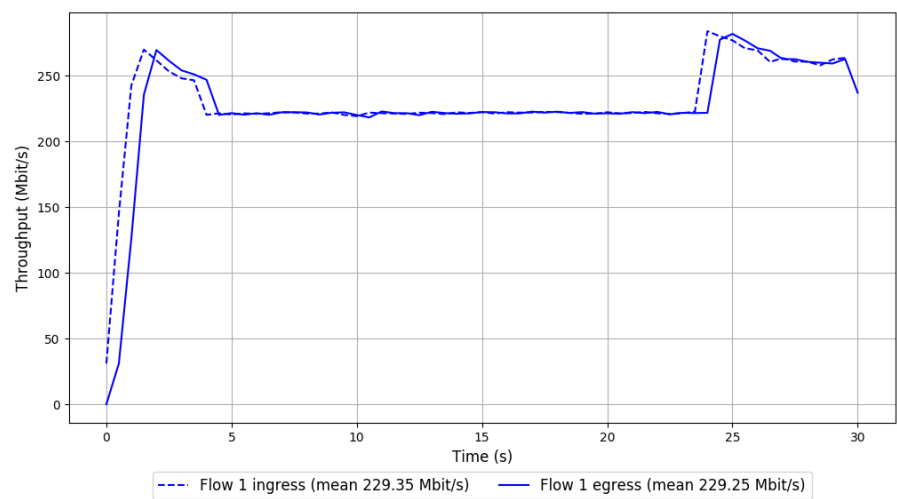
-- Flow 1:

Average throughput: 229.25 Mbit/s

95th percentile per-packet one-way delay: 50.612 ms

Loss rate: 0.38%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-07 11:32:54

End at: 2018-06-07 11:33:24

Local clock offset: 0.072 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-07 16:12:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.69 Mbit/s

95th percentile per-packet one-way delay: 57.854 ms

Loss rate: 0.38%

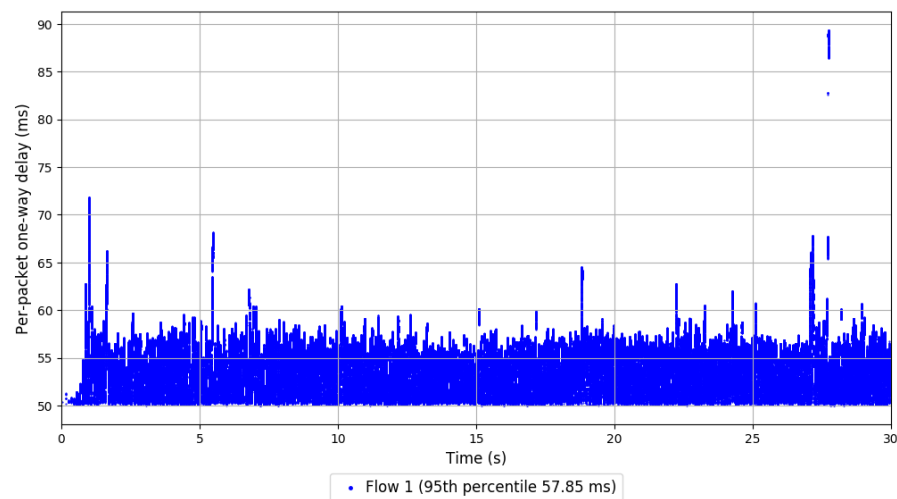
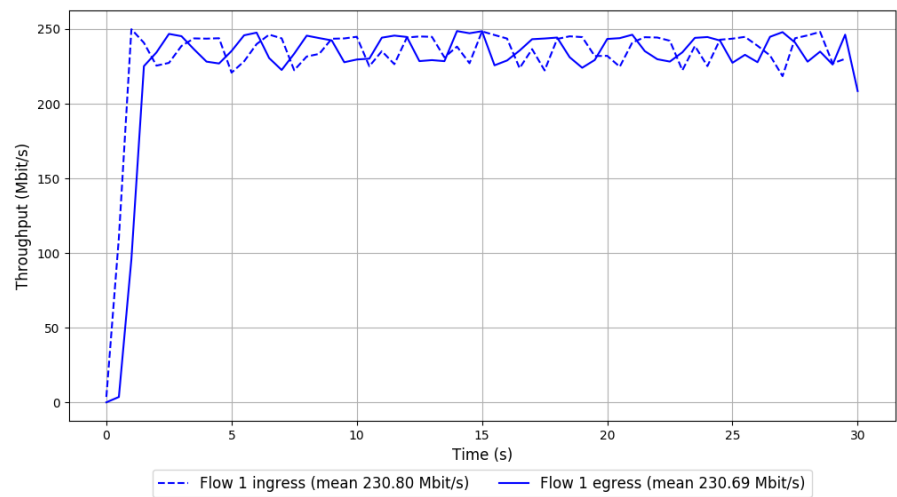
-- Flow 1:

Average throughput: 230.69 Mbit/s

95th percentile per-packet one-way delay: 57.854 ms

Loss rate: 0.38%

Run 1: Report of TCP Vegas — Data Link

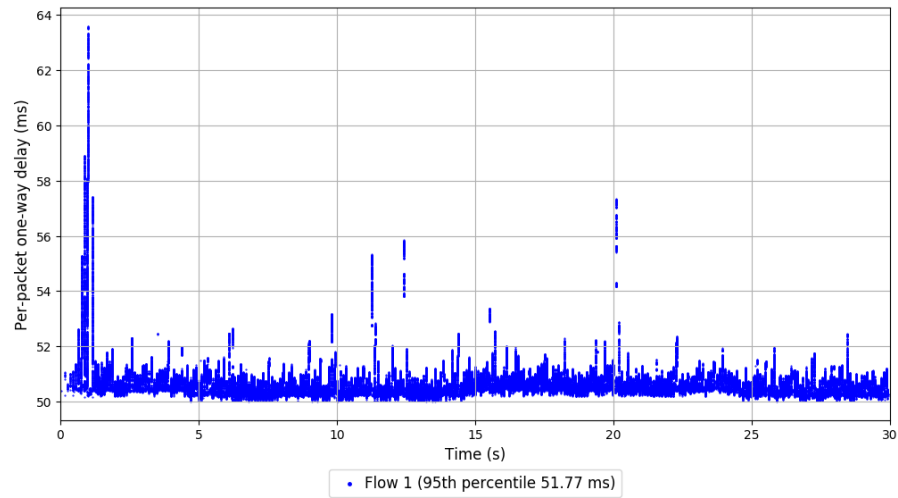
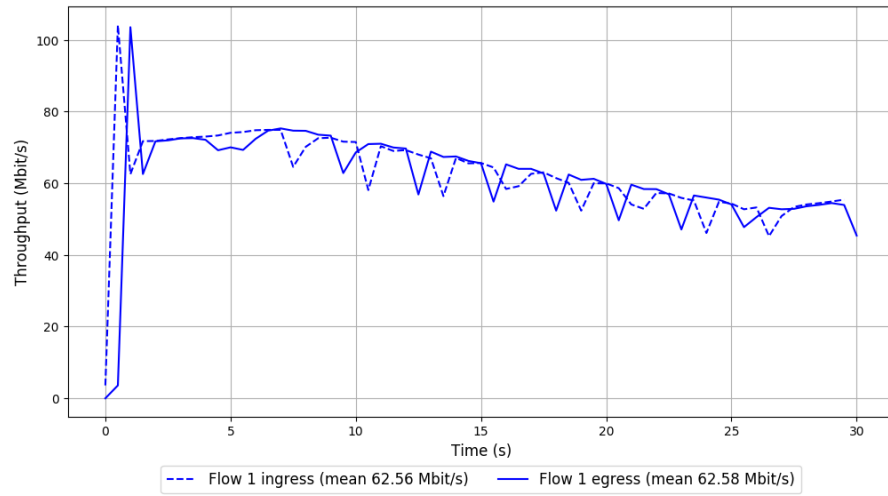


Run 2: Statistics of TCP Vegas

Start at: 2018-06-07 11:53:46
End at: 2018-06-07 11:54:16
Local clock offset: -0.021 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-06-07 16:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 51.770 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 51.770 ms
Loss rate: 0.30%

Run 2: Report of TCP Vegas — Data Link

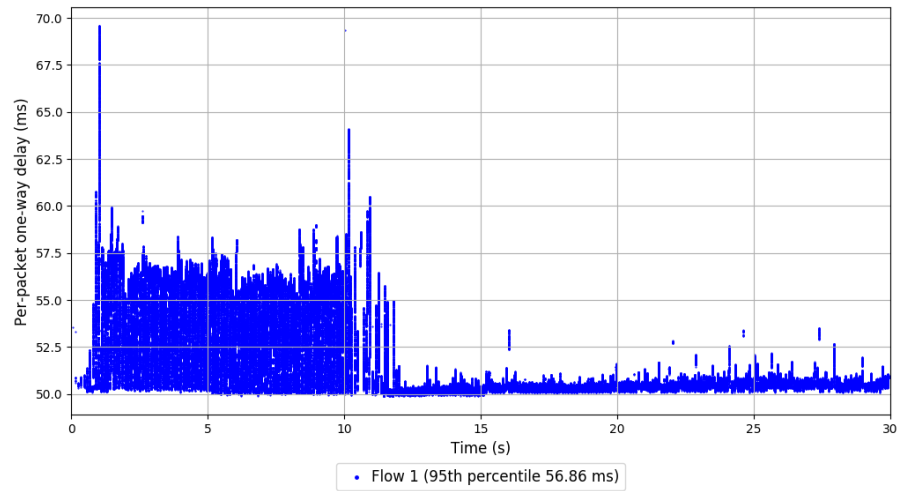
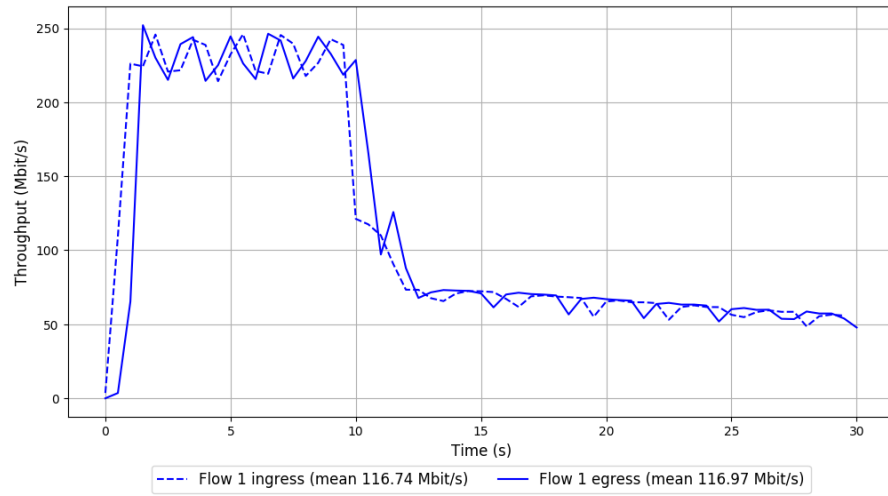


Run 3: Statistics of TCP Vegas

Start at: 2018-06-07 12:14:16
End at: 2018-06-07 12:14:46
Local clock offset: -0.006 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-06-07 16:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.97 Mbit/s
95th percentile per-packet one-way delay: 56.861 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 116.97 Mbit/s
95th percentile per-packet one-way delay: 56.861 ms
Loss rate: 0.16%

Run 3: Report of TCP Vegas — Data Link

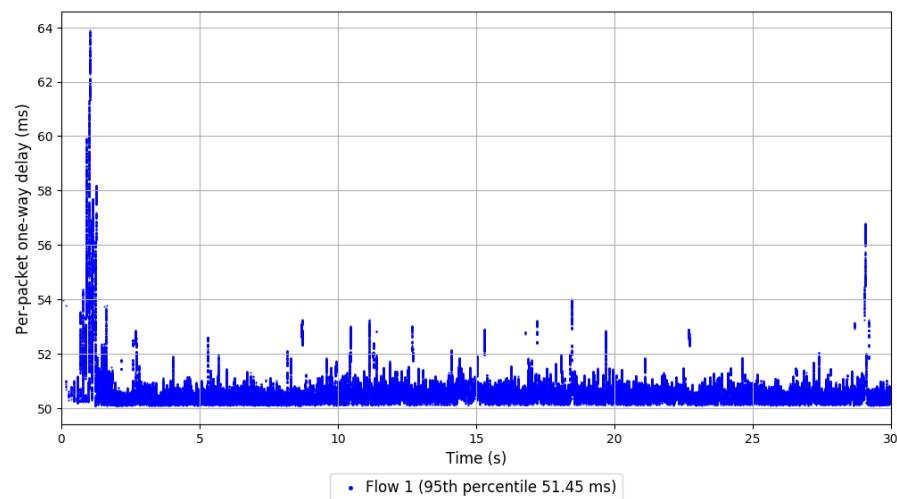
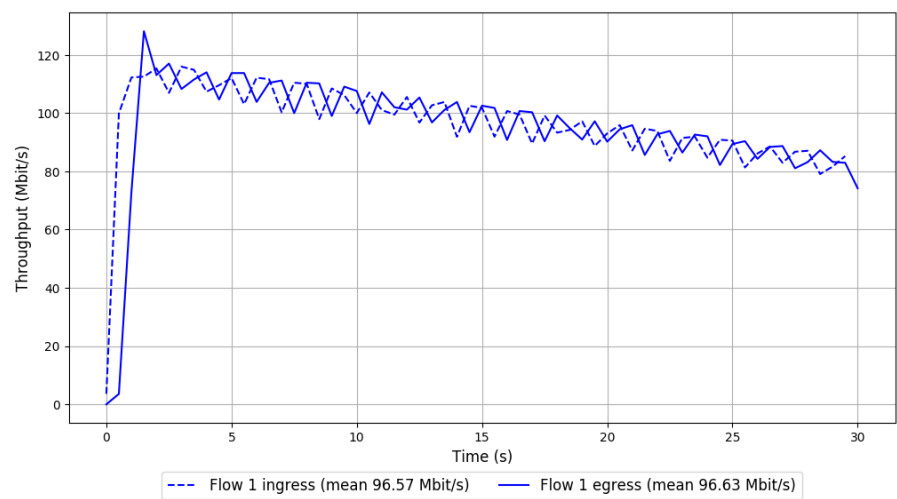


Run 4: Statistics of TCP Vegas

Start at: 2018-06-07 12:34:21
End at: 2018-06-07 12:34:51
Local clock offset: 0.068 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-06-07 16:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 51.455 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 51.455 ms
Loss rate: 0.29%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-07 12:54:06

End at: 2018-06-07 12:54:36

Local clock offset: -0.27 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-06-07 16:12:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 50.551 ms

Loss rate: 0.41%

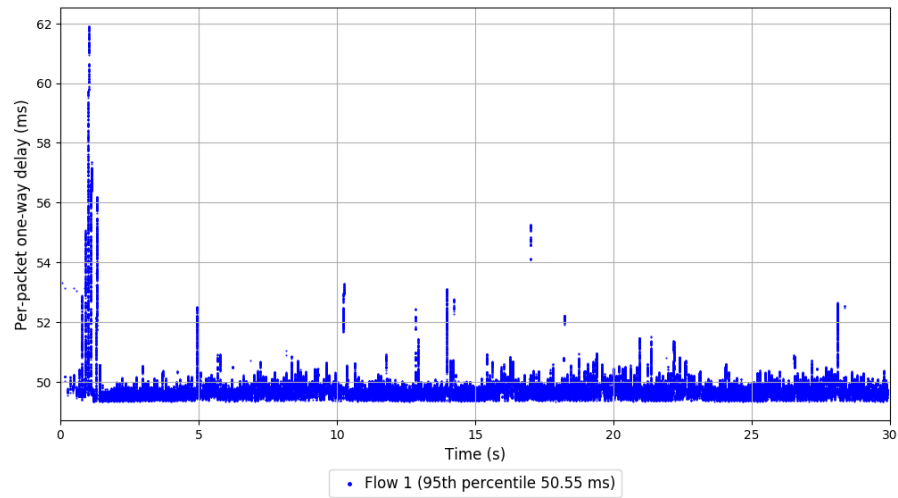
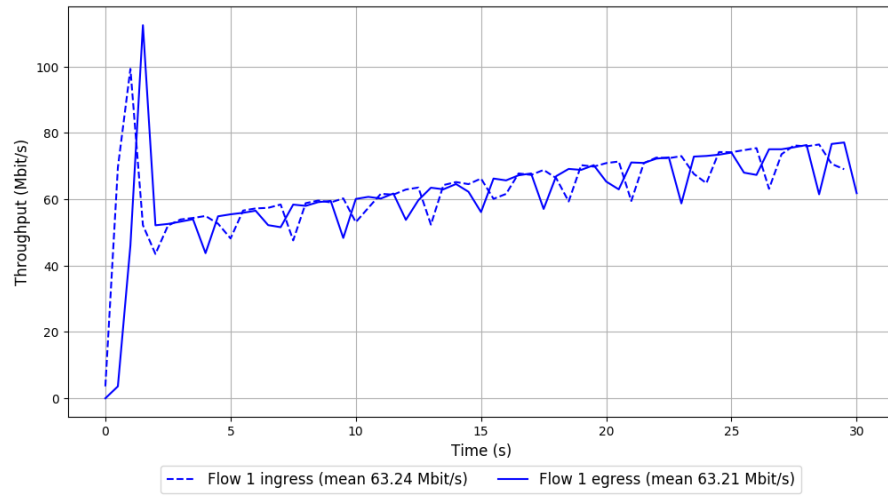
-- Flow 1:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 50.551 ms

Loss rate: 0.41%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-07 13:14:11

End at: 2018-06-07 13:14:41

Local clock offset: -0.083 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-06-07 16:12:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.56 Mbit/s

95th percentile per-packet one-way delay: 51.099 ms

Loss rate: 0.34%

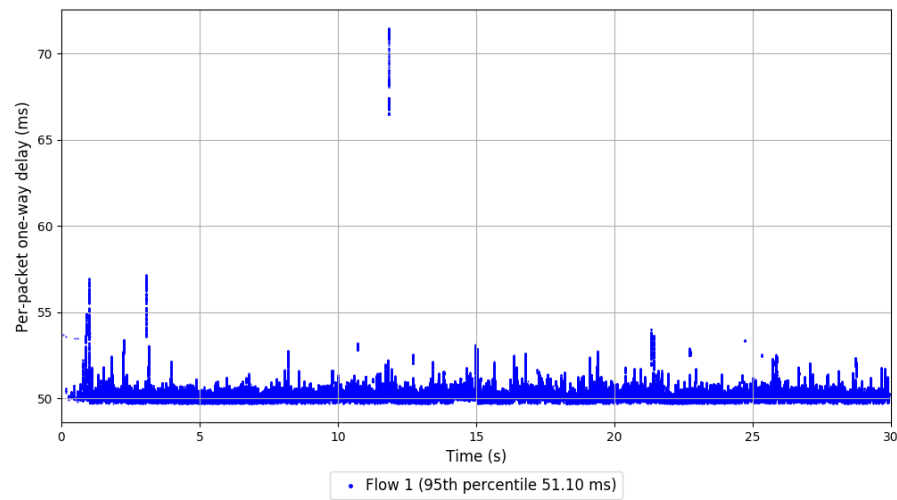
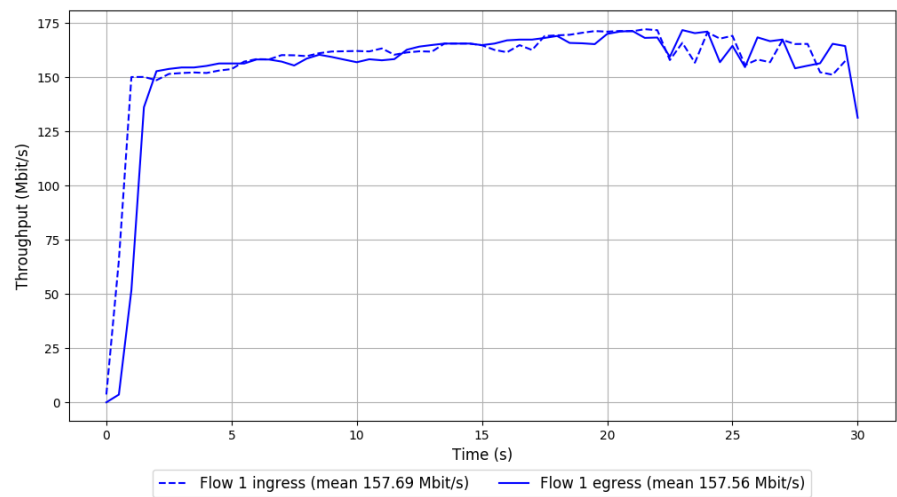
-- Flow 1:

Average throughput: 157.56 Mbit/s

95th percentile per-packet one-way delay: 51.099 ms

Loss rate: 0.34%

Run 6: Report of TCP Vegas — Data Link

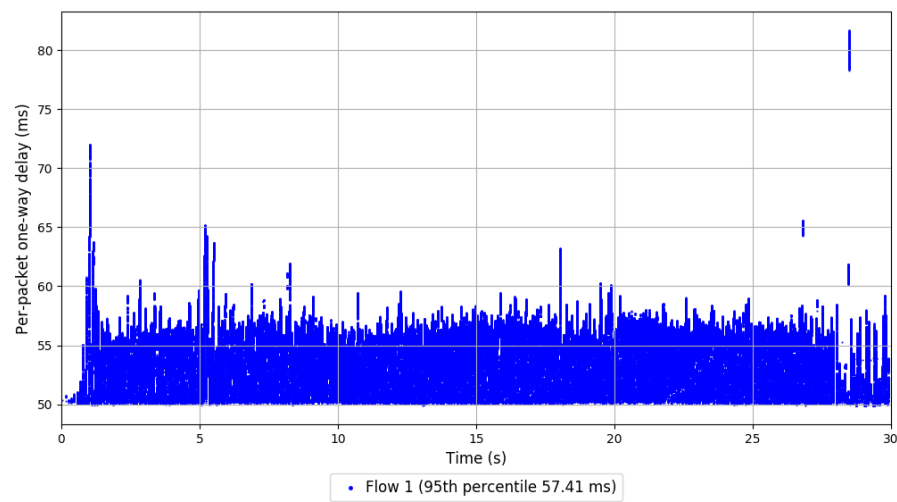
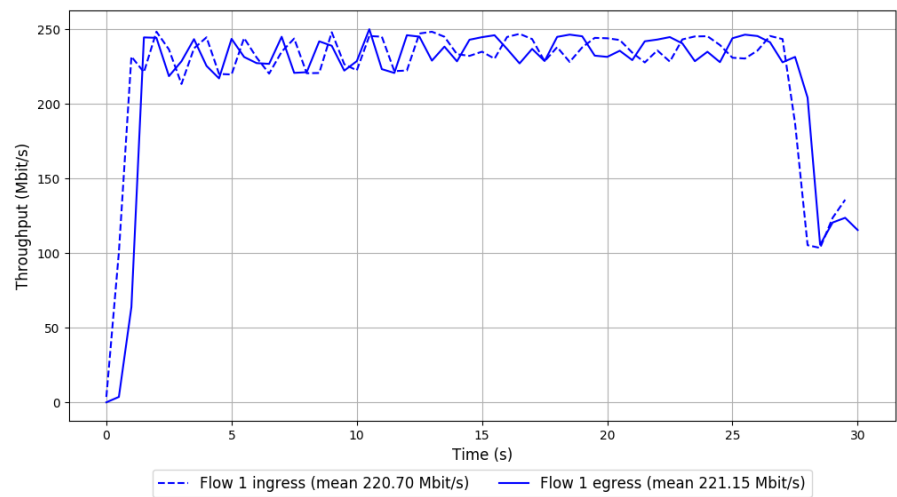


Run 7: Statistics of TCP Vegas

Start at: 2018-06-07 13:34:31
End at: 2018-06-07 13:35:01
Local clock offset: 0.021 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-07 16:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 57.414 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 57.414 ms
Loss rate: 0.15%

Run 7: Report of TCP Vegas — Data Link

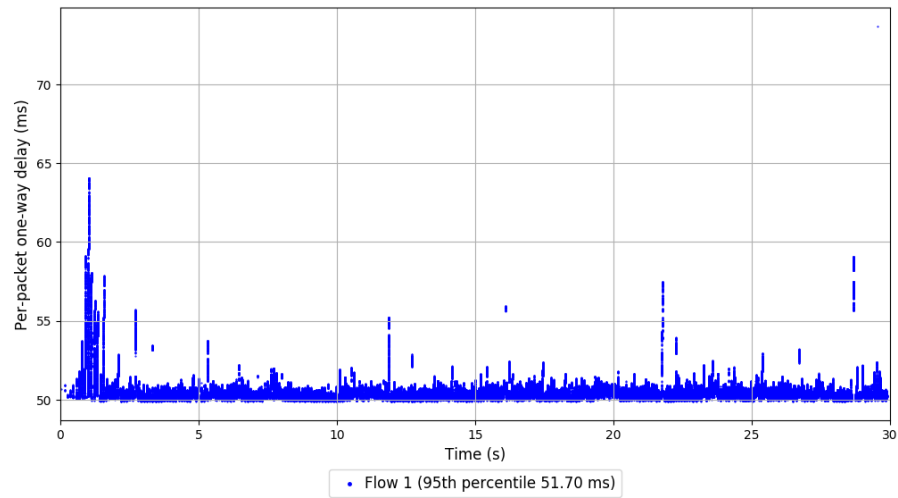
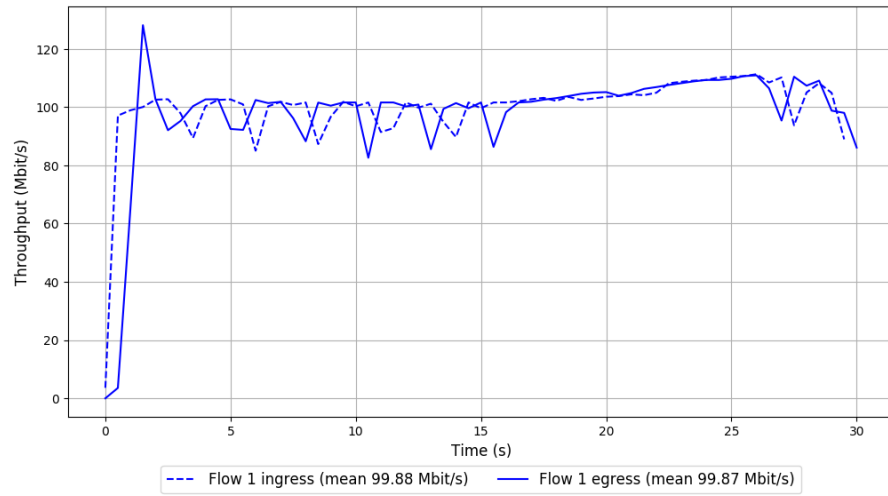


Run 8: Statistics of TCP Vegas

Start at: 2018-06-07 13:54:37
End at: 2018-06-07 13:55:07
Local clock offset: -0.089 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-06-07 16:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.87 Mbit/s
95th percentile per-packet one-way delay: 51.705 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 99.87 Mbit/s
95th percentile per-packet one-way delay: 51.705 ms
Loss rate: 0.36%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-07 14:15:02

End at: 2018-06-07 14:15:32

Local clock offset: -0.19 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-06-07 16:12:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.96 Mbit/s

95th percentile per-packet one-way delay: 51.713 ms

Loss rate: 0.32%

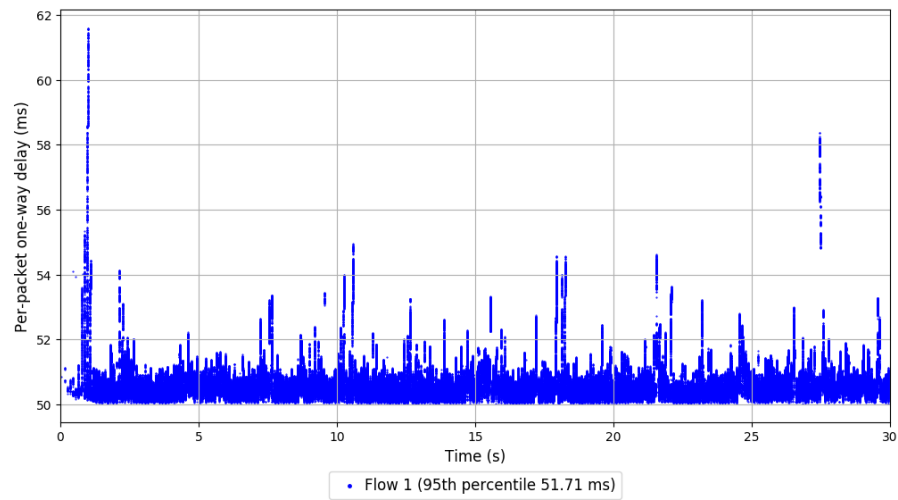
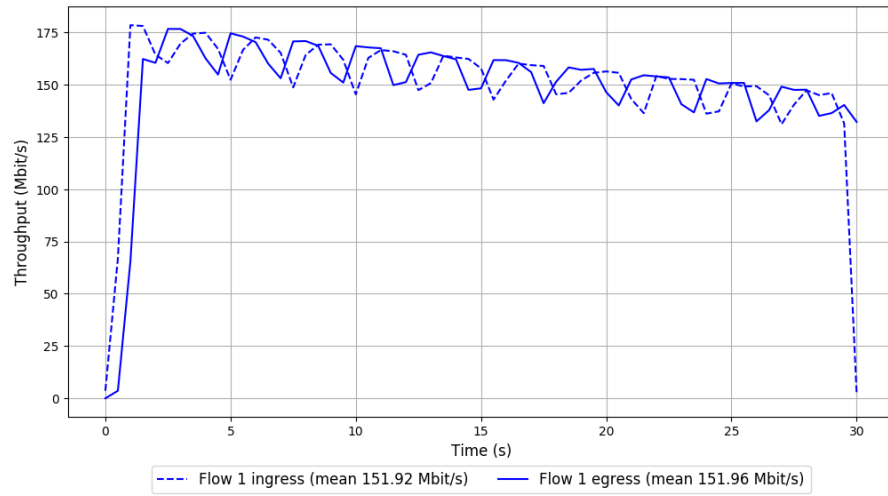
-- Flow 1:

Average throughput: 151.96 Mbit/s

95th percentile per-packet one-way delay: 51.713 ms

Loss rate: 0.32%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-07 14:35:35

End at: 2018-06-07 14:36:05

Local clock offset: -0.047 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-06-07 16:12:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.22 Mbit/s

95th percentile per-packet one-way delay: 51.851 ms

Loss rate: 0.37%

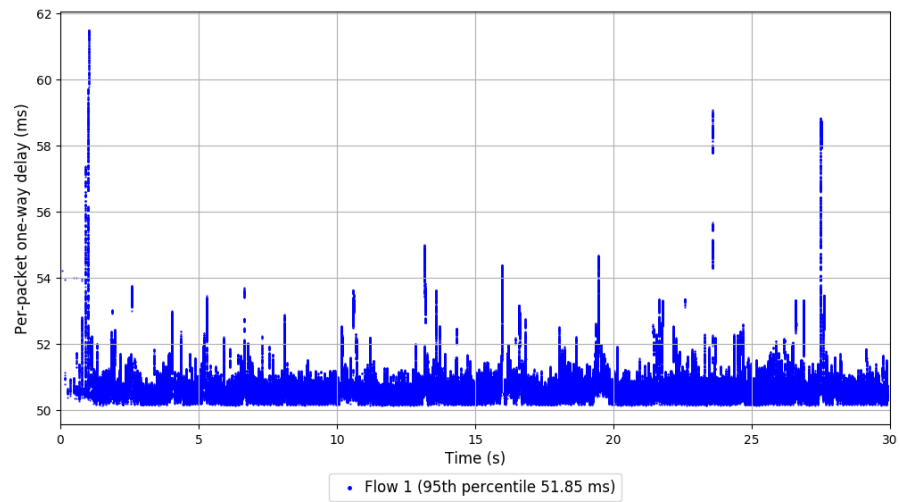
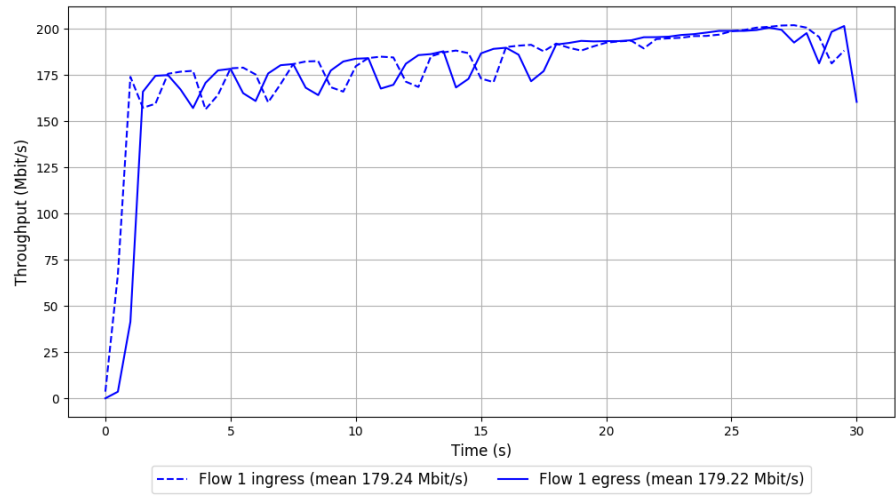
-- Flow 1:

Average throughput: 179.22 Mbit/s

95th percentile per-packet one-way delay: 51.851 ms

Loss rate: 0.37%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-07 11:43:47

End at: 2018-06-07 11:44:17

Local clock offset: -0.073 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-06-07 16:13:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.96 Mbit/s

95th percentile per-packet one-way delay: 70.509 ms

Loss rate: 0.40%

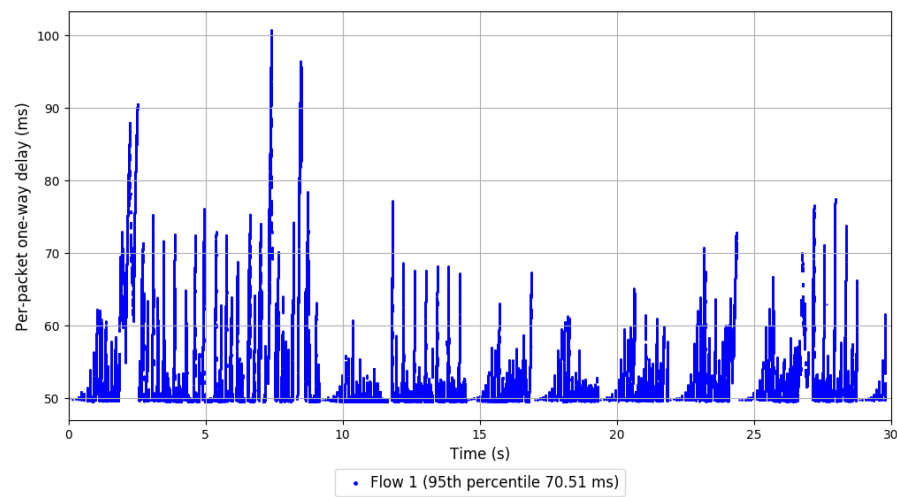
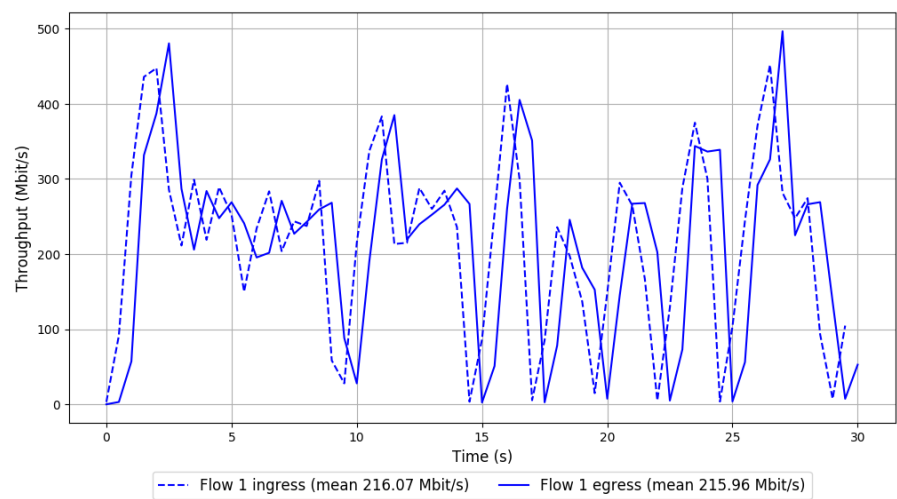
-- Flow 1:

Average throughput: 215.96 Mbit/s

95th percentile per-packet one-way delay: 70.509 ms

Loss rate: 0.40%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-07 12:04:10

End at: 2018-06-07 12:04:40

Local clock offset: -0.079 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-06-07 16:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.60 Mbit/s

95th percentile per-packet one-way delay: 113.851 ms

Loss rate: 0.69%

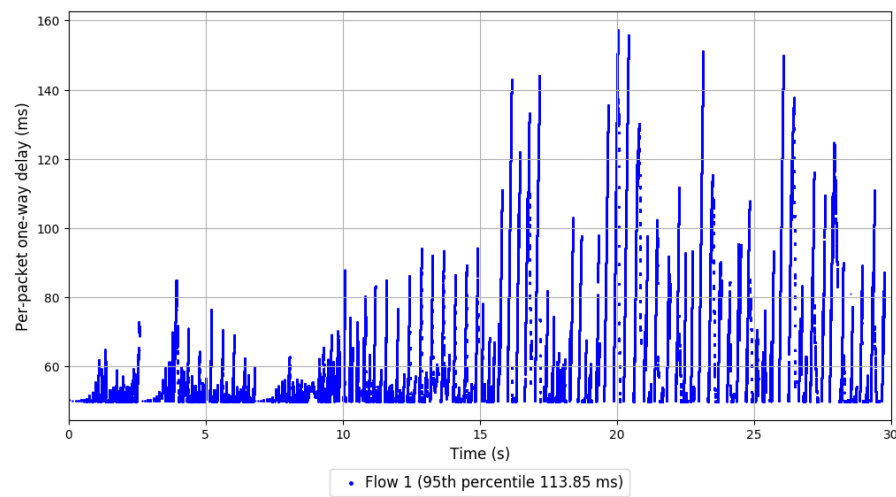
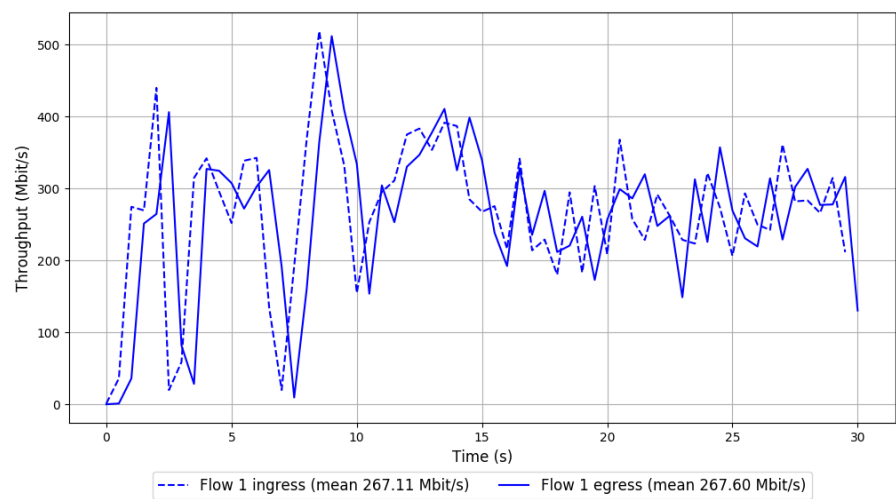
-- Flow 1:

Average throughput: 267.60 Mbit/s

95th percentile per-packet one-way delay: 113.851 ms

Loss rate: 0.69%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-07 12:24:47

End at: 2018-06-07 12:25:17

Local clock offset: -0.197 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-07 16:15:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.44 Mbit/s

95th percentile per-packet one-way delay: 73.602 ms

Loss rate: 0.36%

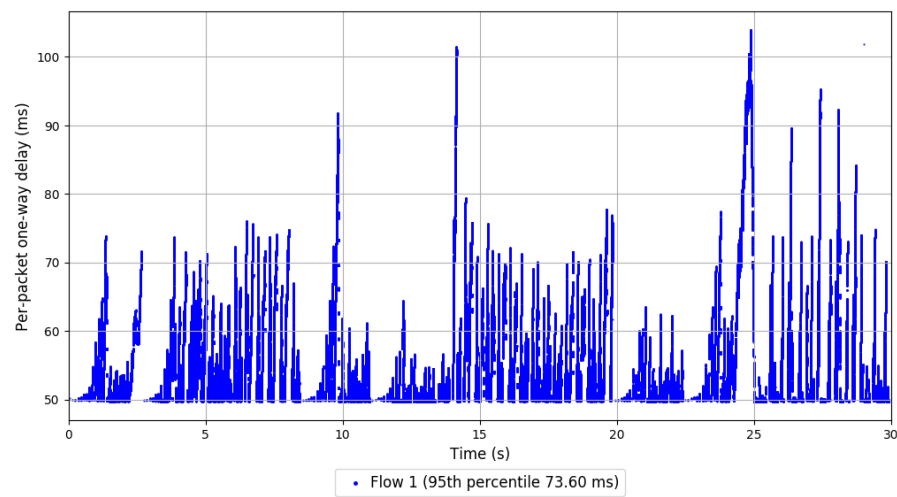
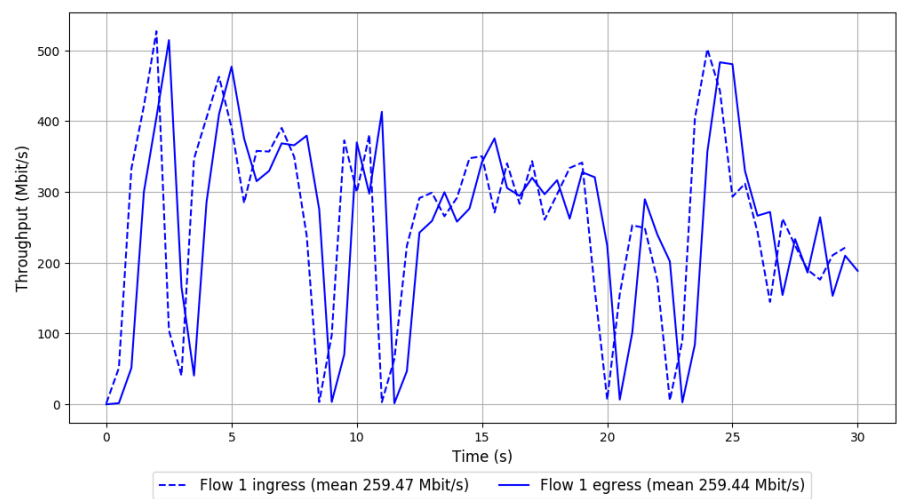
-- Flow 1:

Average throughput: 259.44 Mbit/s

95th percentile per-packet one-way delay: 73.602 ms

Loss rate: 0.36%

Run 3: Report of Verus — Data Link

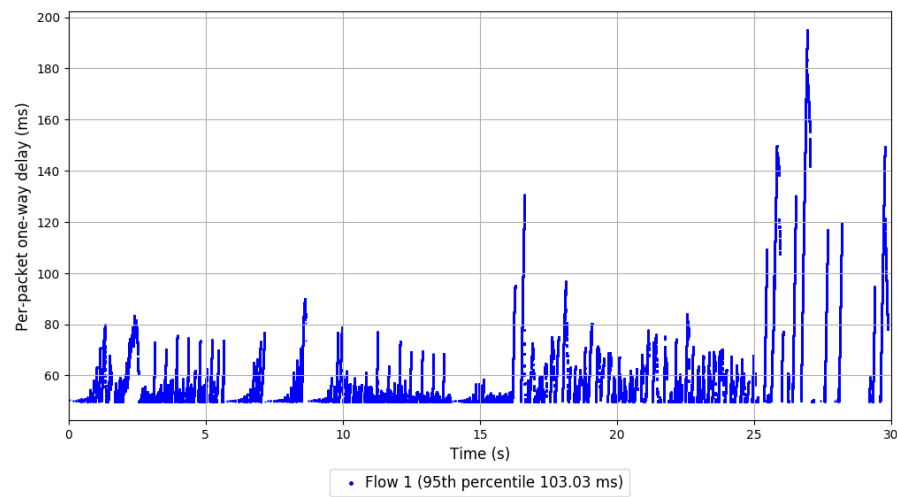
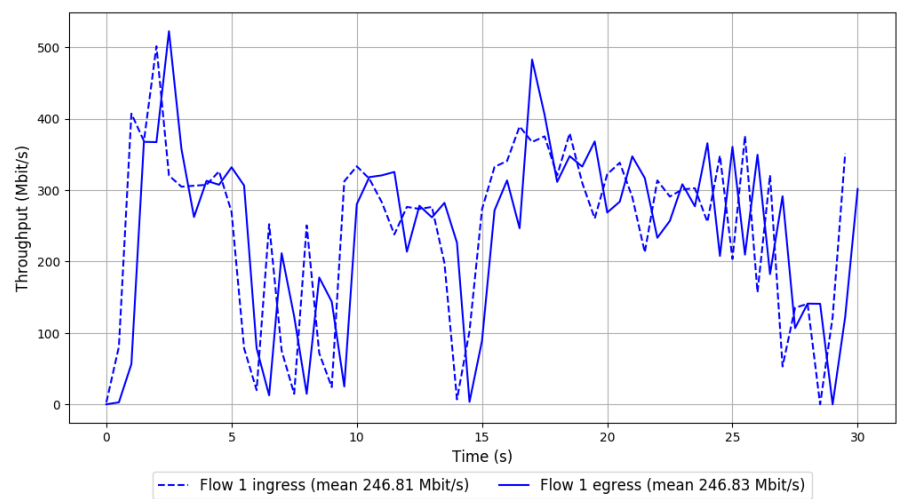


Run 4: Statistics of Verus

Start at: 2018-06-07 12:44:36
End at: 2018-06-07 12:45:06
Local clock offset: -0.238 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-06-07 16:15:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.83 Mbit/s
95th percentile per-packet one-way delay: 103.029 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 246.83 Mbit/s
95th percentile per-packet one-way delay: 103.029 ms
Loss rate: 0.34%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-07 13:04:41

End at: 2018-06-07 13:05:11

Local clock offset: -1.615 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-07 16:15:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.69 Mbit/s

95th percentile per-packet one-way delay: 62.422 ms

Loss rate: 0.77%

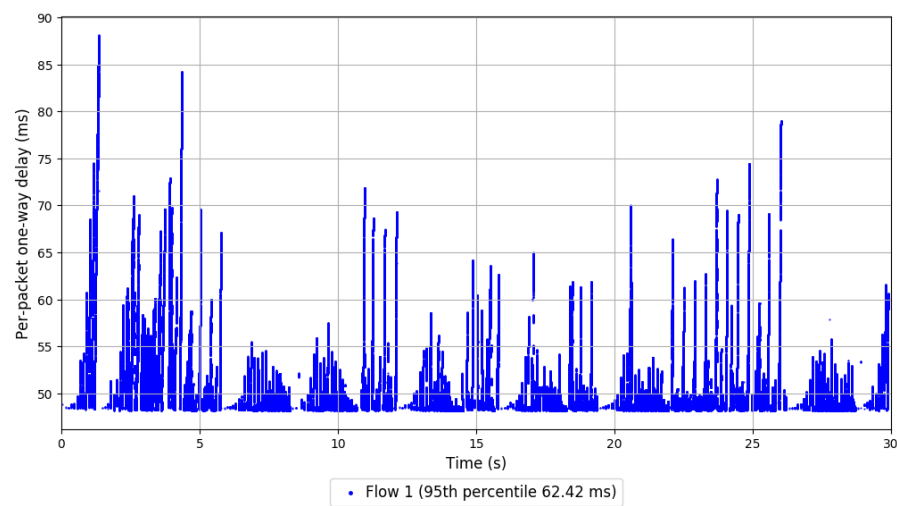
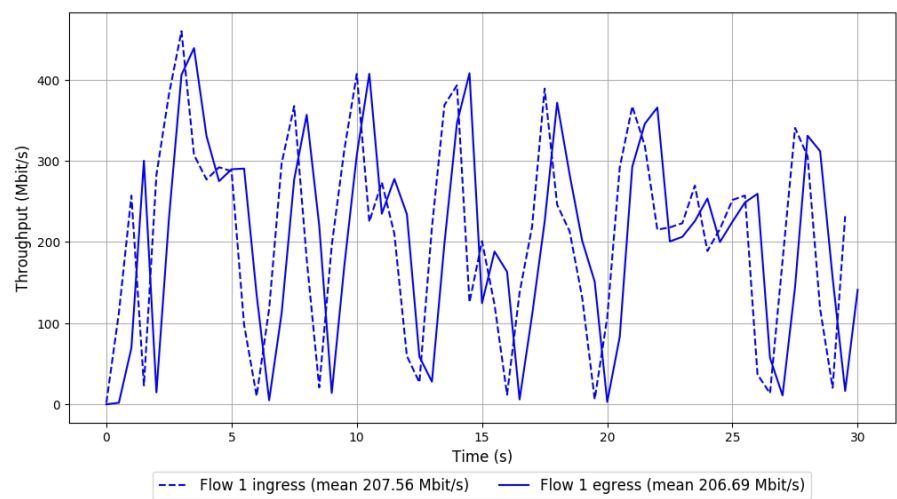
-- Flow 1:

Average throughput: 206.69 Mbit/s

95th percentile per-packet one-way delay: 62.422 ms

Loss rate: 0.77%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-07 13:24:43

End at: 2018-06-07 13:25:13

Local clock offset: -0.348 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-06-07 16:16:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.65 Mbit/s

95th percentile per-packet one-way delay: 78.770 ms

Loss rate: 0.00%

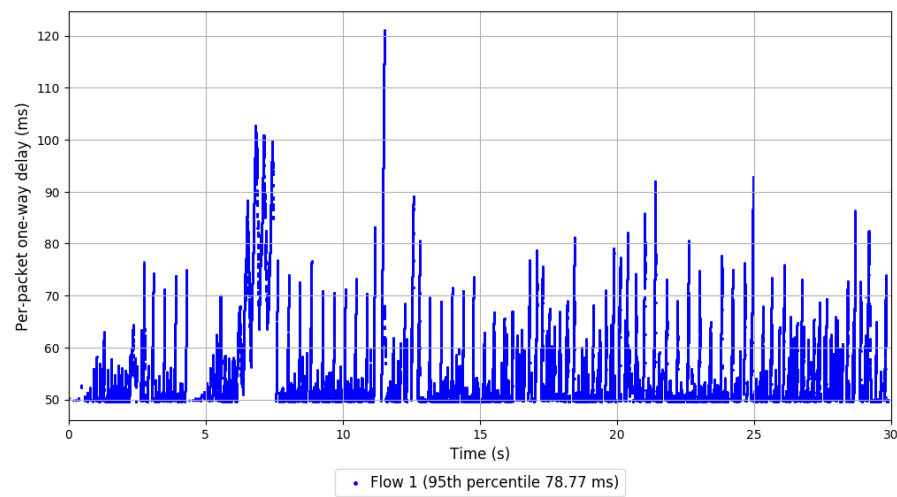
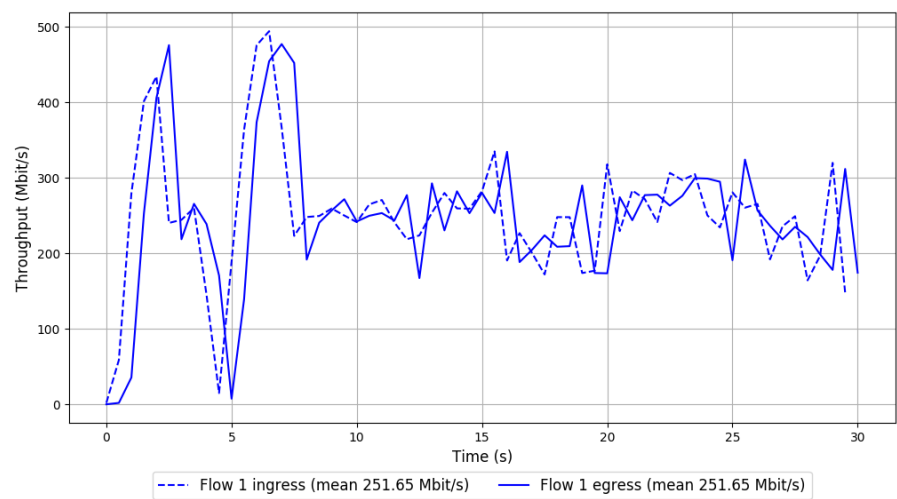
-- Flow 1:

Average throughput: 251.65 Mbit/s

95th percentile per-packet one-way delay: 78.770 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

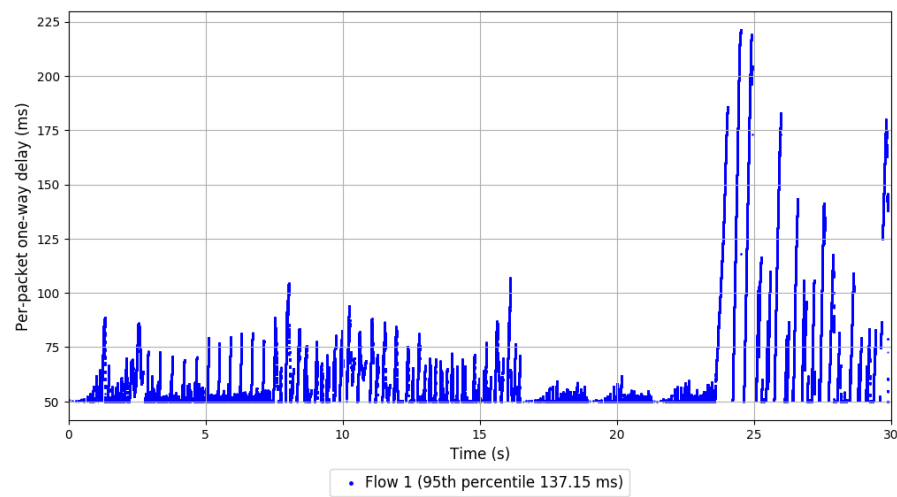
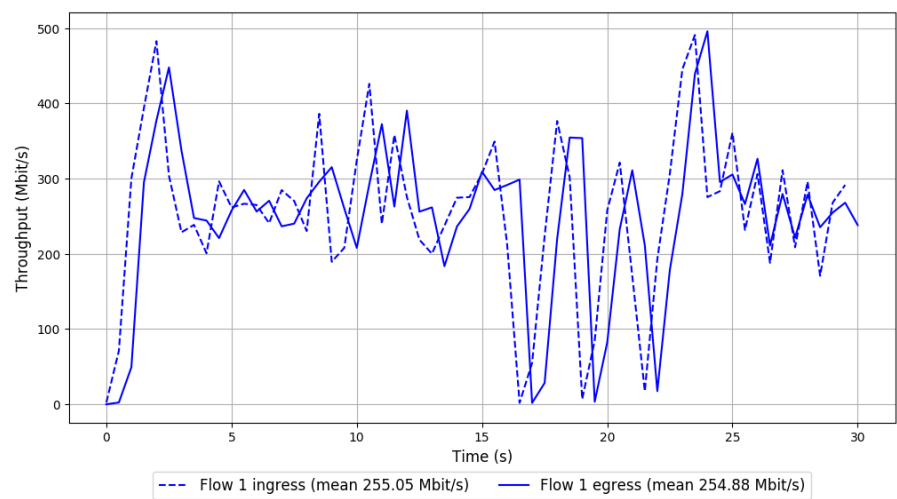


Run 7: Statistics of Verus

Start at: 2018-06-07 13:45:12
End at: 2018-06-07 13:45:42
Local clock offset: -0.048 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-07 16:16:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.88 Mbit/s
95th percentile per-packet one-way delay: 137.148 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 254.88 Mbit/s
95th percentile per-packet one-way delay: 137.148 ms
Loss rate: 0.35%

Run 7: Report of Verus — Data Link

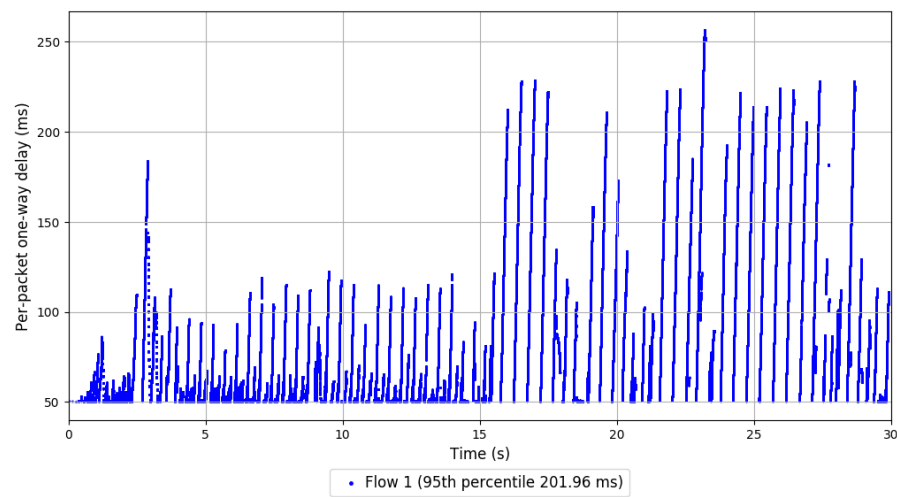
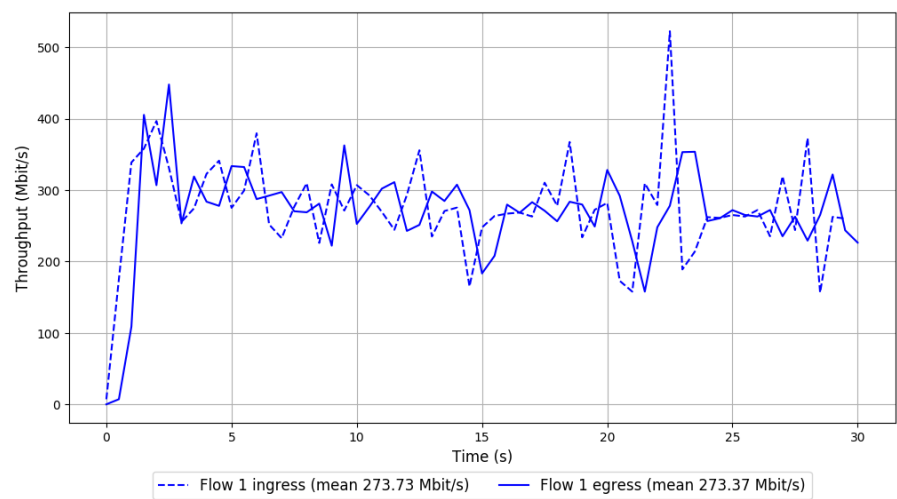


Run 8: Statistics of Verus

Start at: 2018-06-07 14:05:14
End at: 2018-06-07 14:05:44
Local clock offset: -0.167 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-07 16:17:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.37 Mbit/s
95th percentile per-packet one-way delay: 201.957 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 273.37 Mbit/s
95th percentile per-packet one-way delay: 201.957 ms
Loss rate: 0.49%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-07 14:25:32

End at: 2018-06-07 14:26:02

Local clock offset: -0.32 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-06-07 16:18:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.65 Mbit/s

95th percentile per-packet one-way delay: 160.791 ms

Loss rate: 0.96%

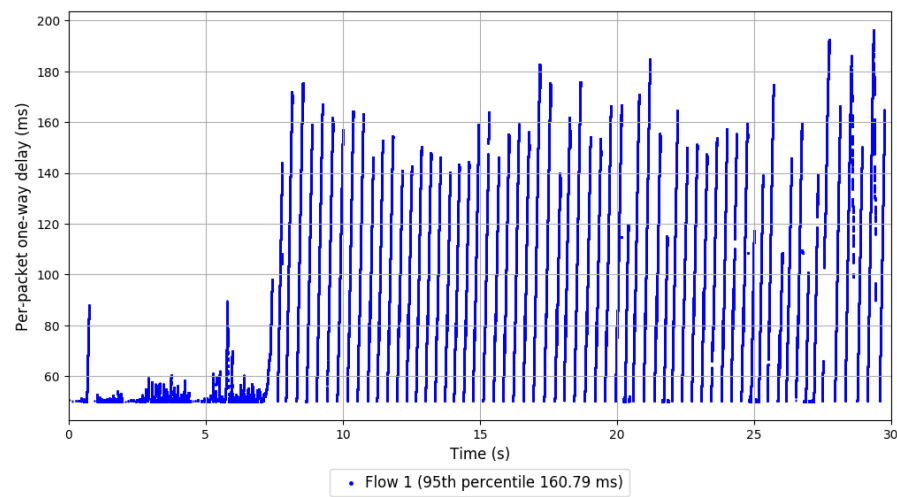
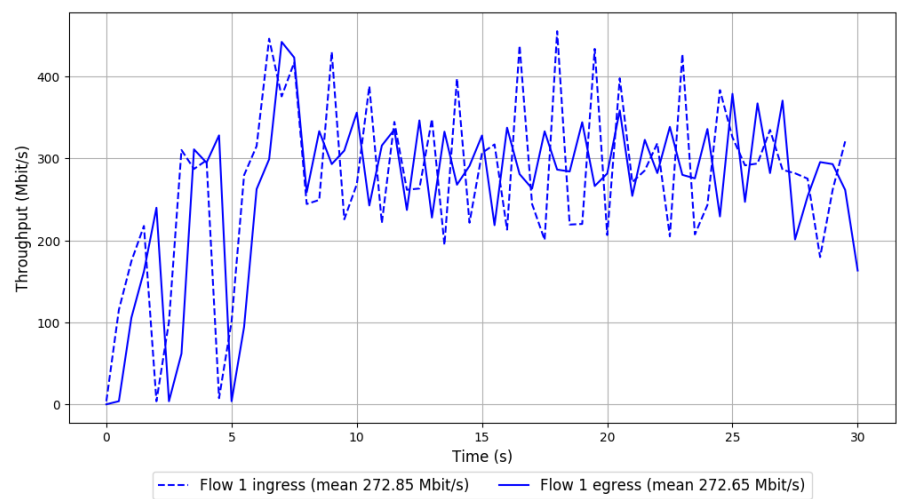
-- Flow 1:

Average throughput: 272.65 Mbit/s

95th percentile per-packet one-way delay: 160.791 ms

Loss rate: 0.96%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-07 14:46:28

End at: 2018-06-07 14:46:59

Local clock offset: -0.255 ms

Remote clock offset: 0.698 ms

Below is generated by plot.py at 2018-06-07 16:19:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 287.58 Mbit/s

95th percentile per-packet one-way delay: 195.878 ms

Loss rate: 1.10%

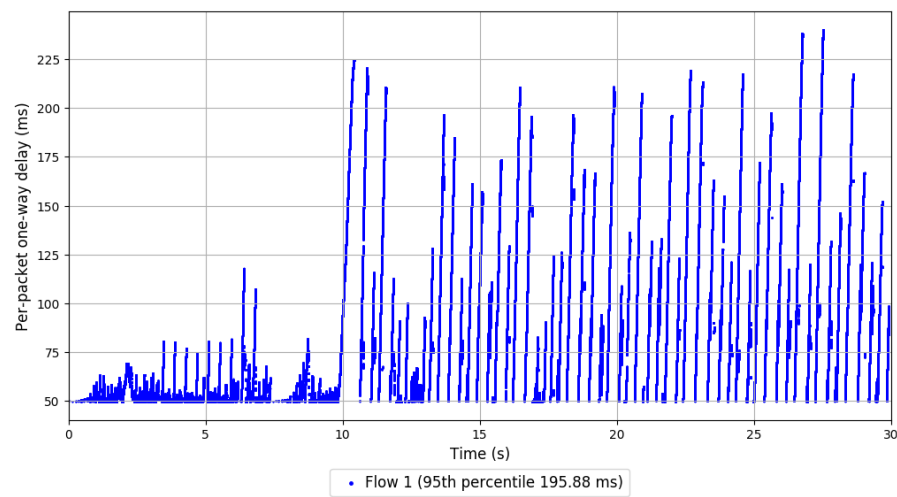
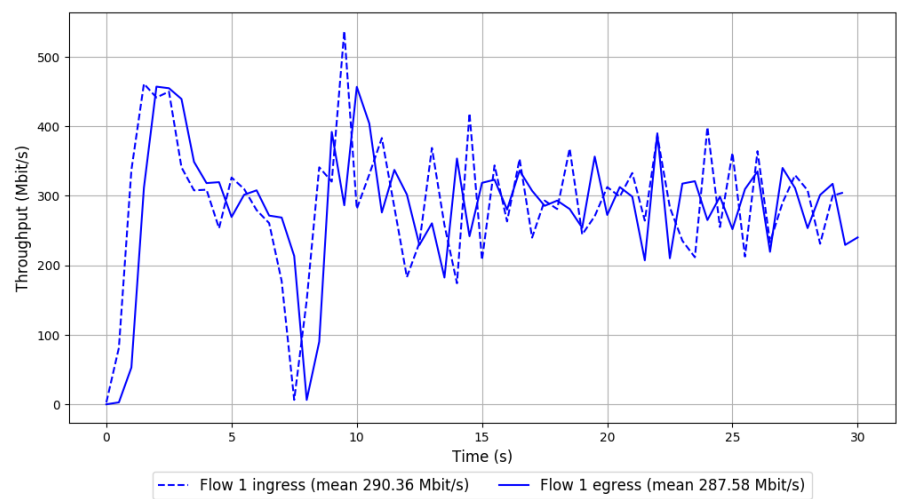
-- Flow 1:

Average throughput: 287.58 Mbit/s

95th percentile per-packet one-way delay: 195.878 ms

Loss rate: 1.10%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-07 11:35:37

End at: 2018-06-07 11:36:07

Local clock offset: -0.221 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-06-07 16:21:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.28 Mbit/s

95th percentile per-packet one-way delay: 55.977 ms

Loss rate: 0.26%

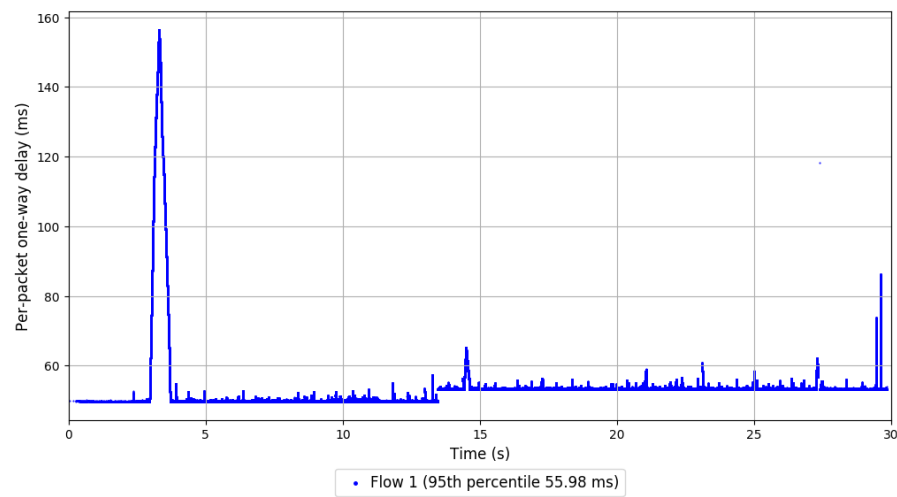
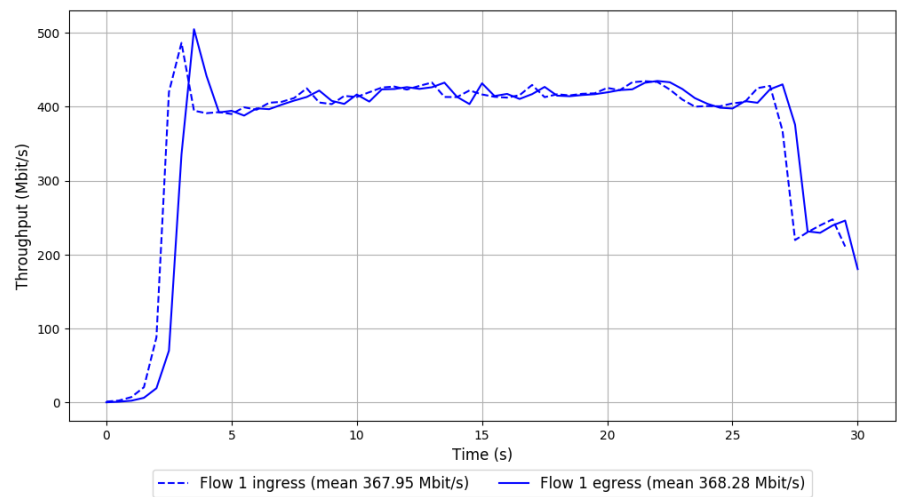
-- Flow 1:

Average throughput: 368.28 Mbit/s

95th percentile per-packet one-way delay: 55.977 ms

Loss rate: 0.26%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-07 11:56:06

End at: 2018-06-07 11:56:36

Local clock offset: -0.165 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-06-07 16:21:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.87 Mbit/s

95th percentile per-packet one-way delay: 55.517 ms

Loss rate: 0.47%

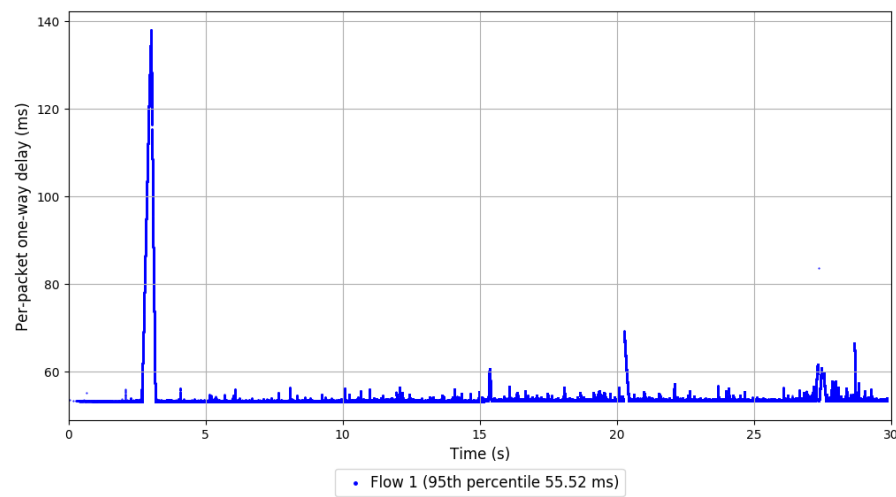
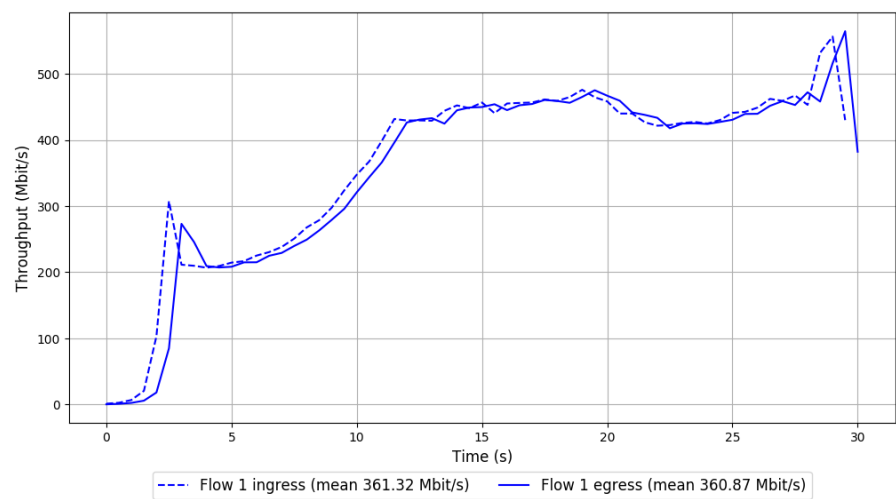
-- Flow 1:

Average throughput: 360.87 Mbit/s

95th percentile per-packet one-way delay: 55.517 ms

Loss rate: 0.47%

Run 2: Report of PCC-Vivace — Data Link

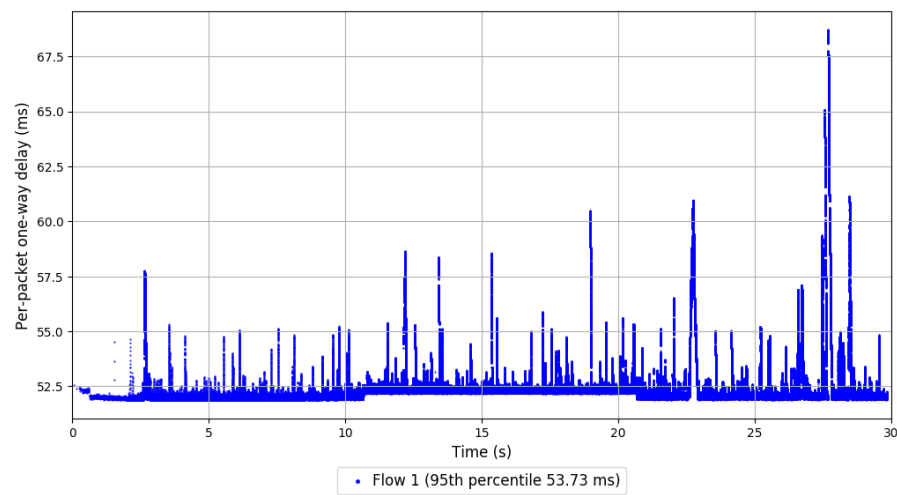
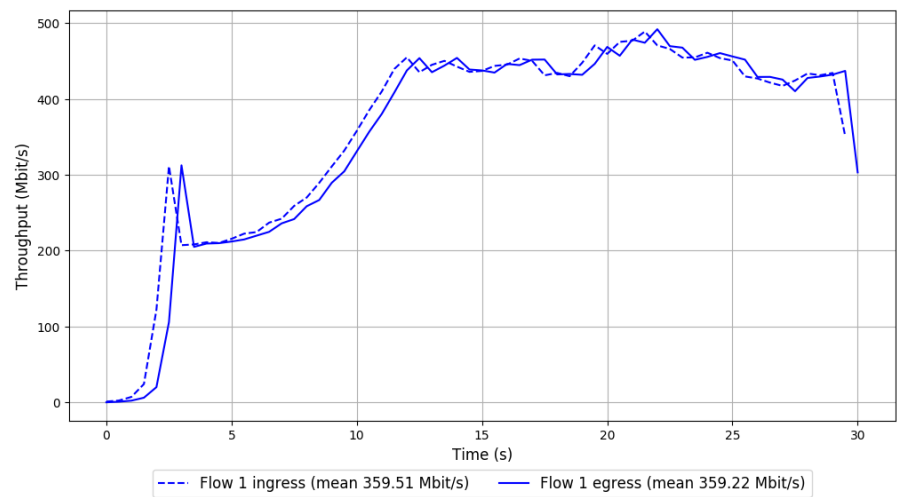


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-07 12:16:40
End at: 2018-06-07 12:17:10
Local clock offset: -1.337 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-07 16:21:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.22 Mbit/s
95th percentile per-packet one-way delay: 53.729 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 359.22 Mbit/s
95th percentile per-packet one-way delay: 53.729 ms
Loss rate: 0.43%

Run 3: Report of PCC-Vivace — Data Link

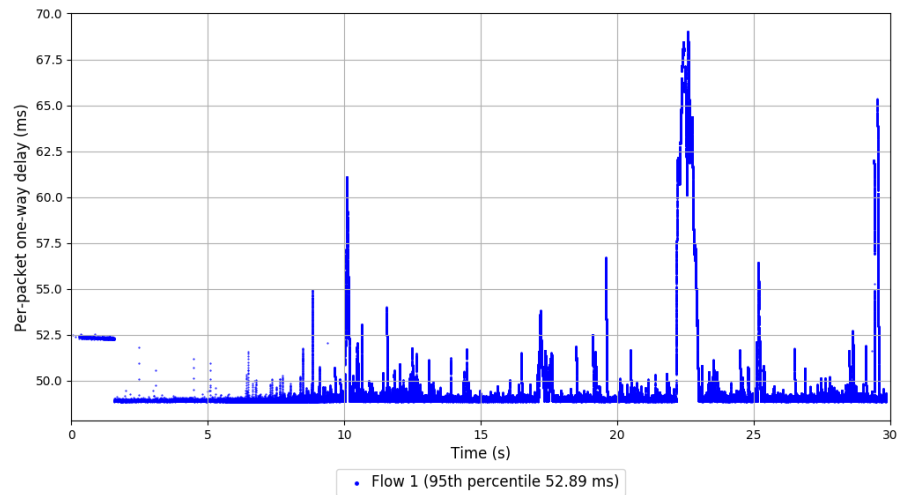
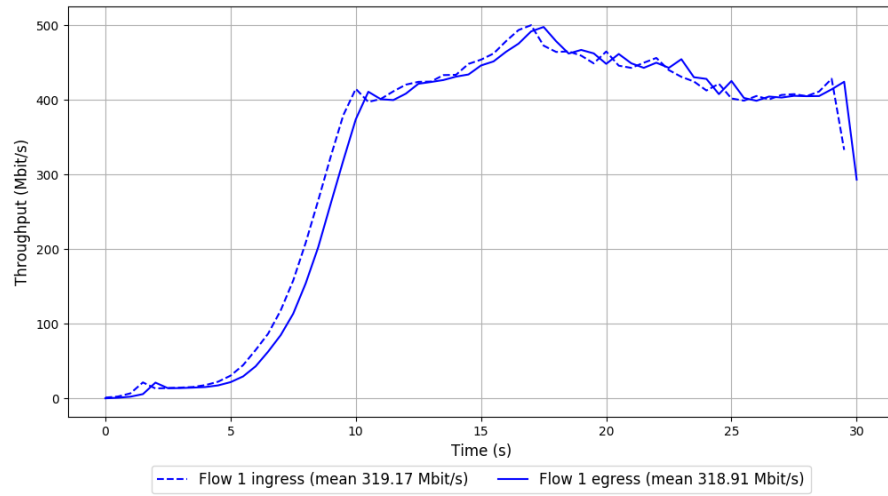


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-07 12:36:39
End at: 2018-06-07 12:37:09
Local clock offset: -1.65 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-06-07 16:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.91 Mbit/s
95th percentile per-packet one-way delay: 52.887 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 318.91 Mbit/s
95th percentile per-packet one-way delay: 52.887 ms
Loss rate: 0.43%

Run 4: Report of PCC-Vivace — Data Link

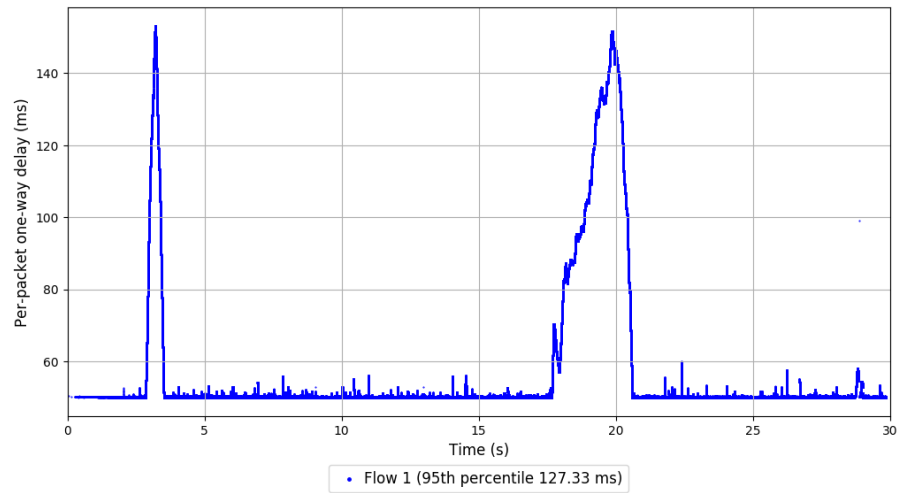
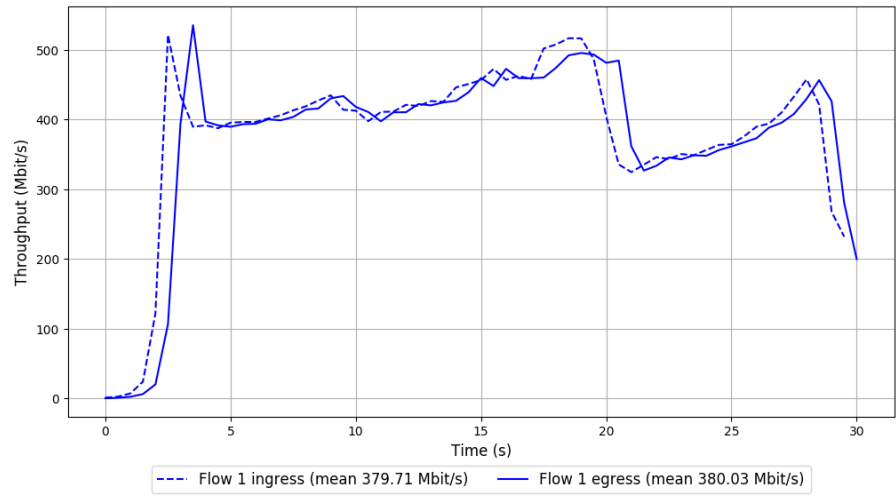


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-07 12:56:32
End at: 2018-06-07 12:57:02
Local clock offset: -0.126 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-06-07 16:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.03 Mbit/s
95th percentile per-packet one-way delay: 127.328 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 380.03 Mbit/s
95th percentile per-packet one-way delay: 127.328 ms
Loss rate: 0.26%

Run 5: Report of PCC-Vivace — Data Link

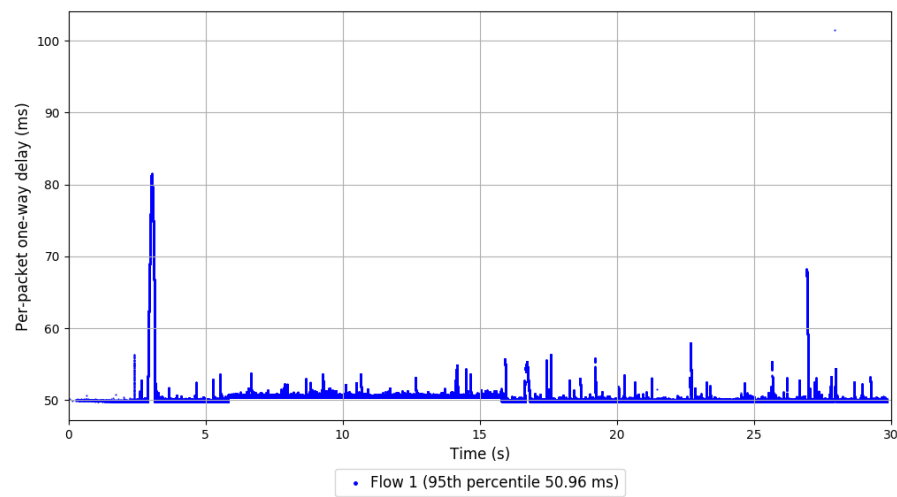
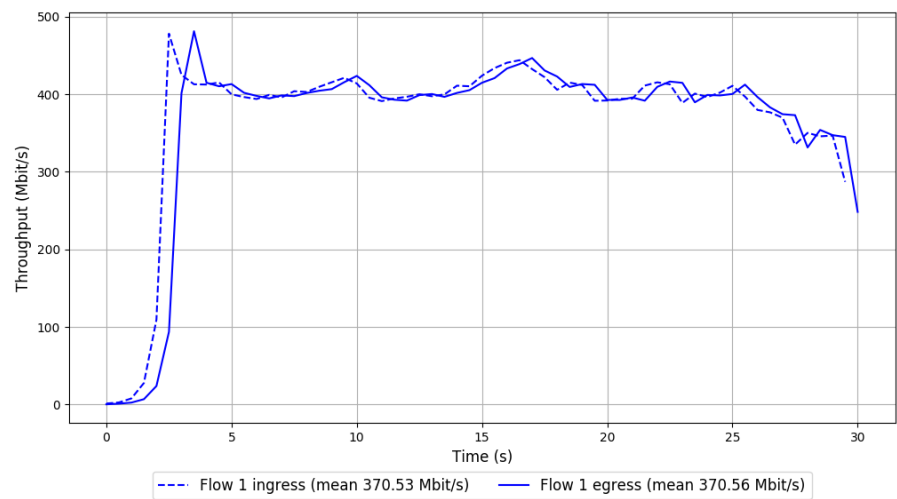


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-07 13:16:35
End at: 2018-06-07 13:17:05
Local clock offset: -0.521 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-06-07 16:23:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 370.56 Mbit/s
95th percentile per-packet one-way delay: 50.960 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 370.56 Mbit/s
95th percentile per-packet one-way delay: 50.960 ms
Loss rate: 0.33%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-07 13:36:55

End at: 2018-06-07 13:37:25

Local clock offset: 0.037 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-07 16:24:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 410.87 Mbit/s

95th percentile per-packet one-way delay: 54.854 ms

Loss rate: 0.38%

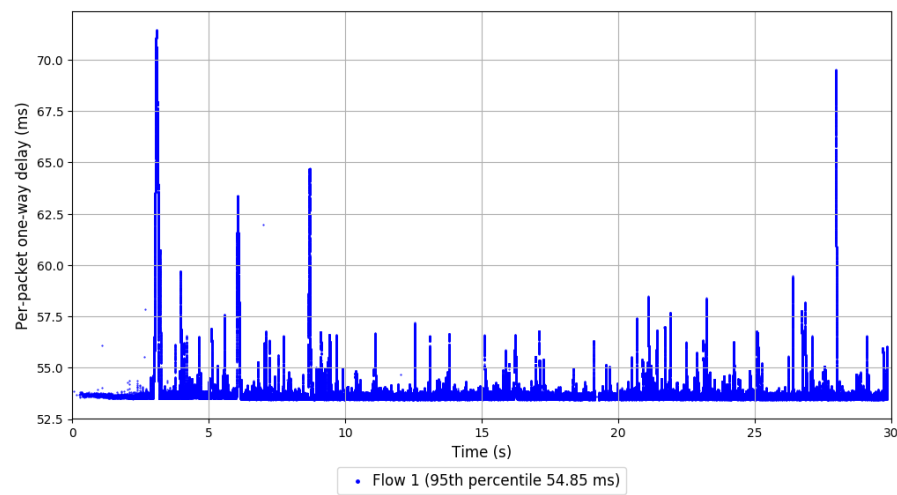
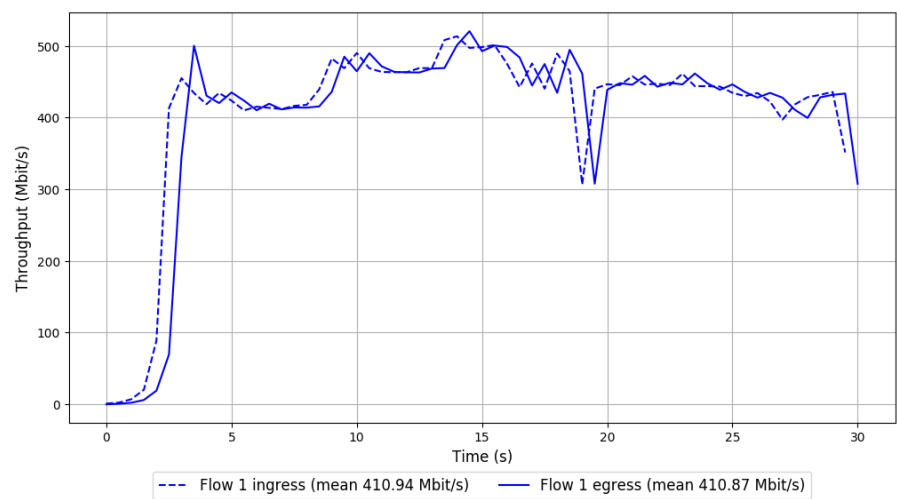
-- Flow 1:

Average throughput: 410.87 Mbit/s

95th percentile per-packet one-way delay: 54.854 ms

Loss rate: 0.38%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-07 13:57:04

End at: 2018-06-07 13:57:34

Local clock offset: 0.005 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-06-07 16:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.47 Mbit/s

95th percentile per-packet one-way delay: 54.175 ms

Loss rate: 0.35%

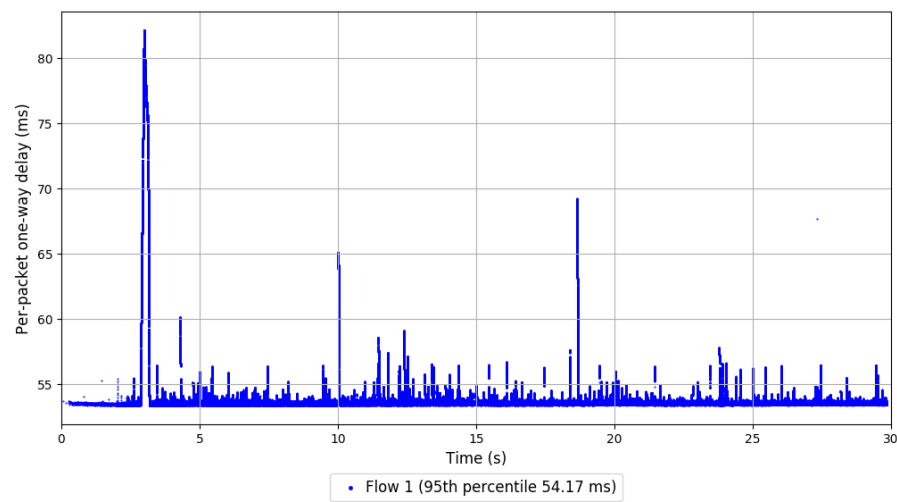
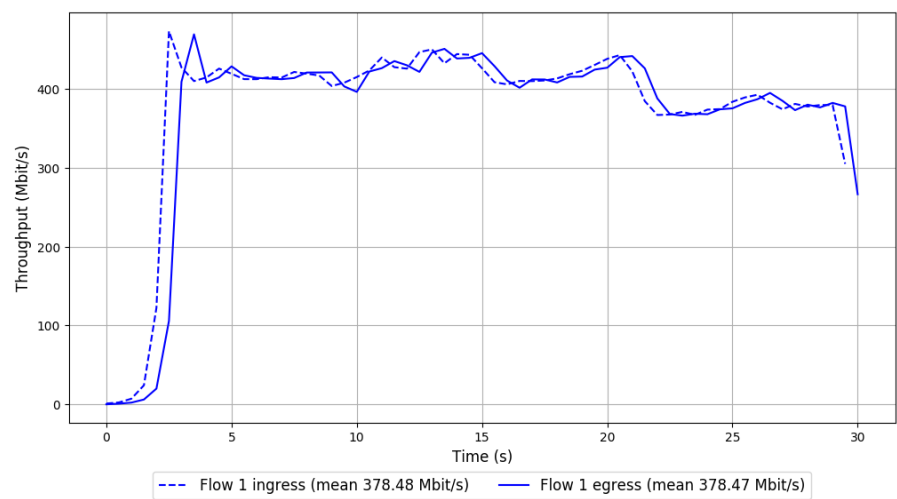
-- Flow 1:

Average throughput: 378.47 Mbit/s

95th percentile per-packet one-way delay: 54.175 ms

Loss rate: 0.35%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-07 14:17:22

End at: 2018-06-07 14:17:52

Local clock offset: -0.025 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2018-06-07 16:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.59 Mbit/s

95th percentile per-packet one-way delay: 55.094 ms

Loss rate: 0.36%

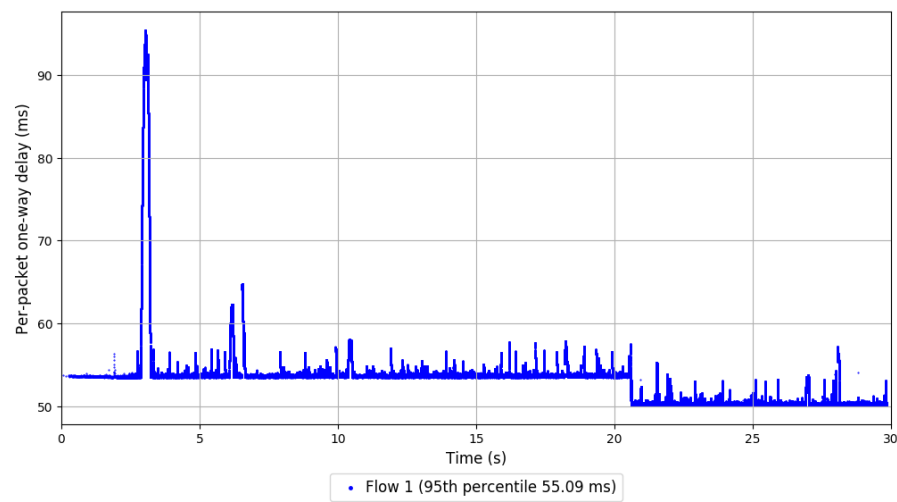
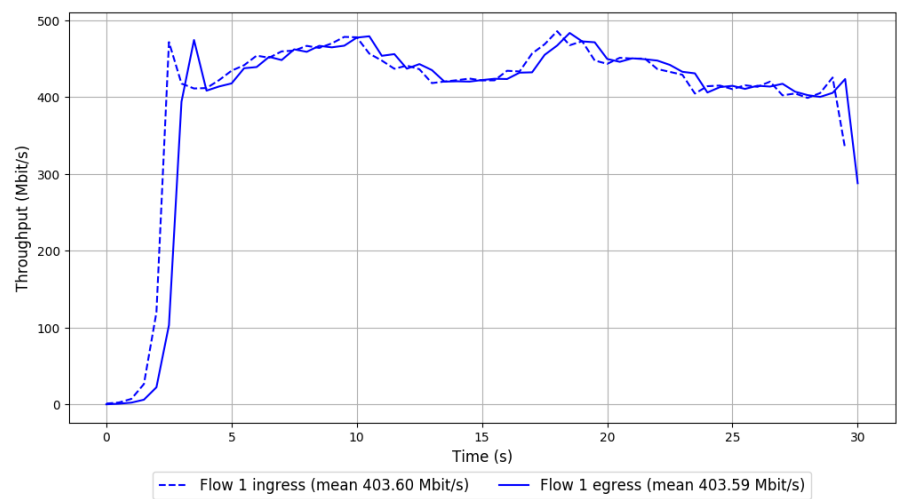
-- Flow 1:

Average throughput: 403.59 Mbit/s

95th percentile per-packet one-way delay: 55.094 ms

Loss rate: 0.36%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-07 14:38:15

End at: 2018-06-07 14:38:45

Local clock offset: -0.075 ms

Remote clock offset: 0.729 ms

Below is generated by plot.py at 2018-06-07 16:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 417.17 Mbit/s

95th percentile per-packet one-way delay: 55.373 ms

Loss rate: 0.35%

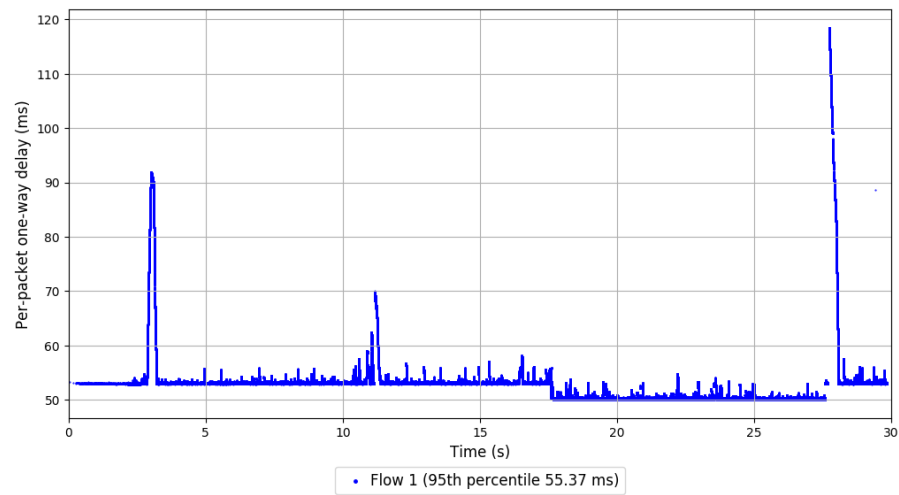
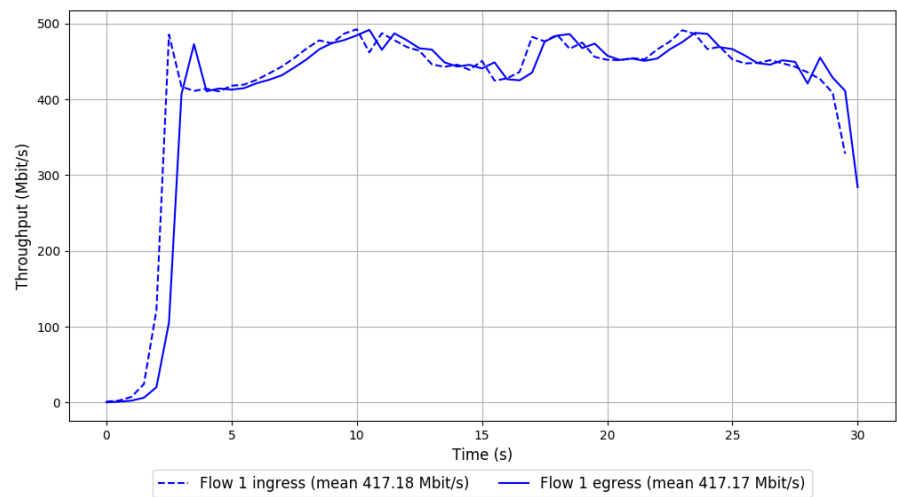
-- Flow 1:

Average throughput: 417.17 Mbit/s

95th percentile per-packet one-way delay: 55.373 ms

Loss rate: 0.35%

Run 10: Report of PCC-Vivace — Data Link

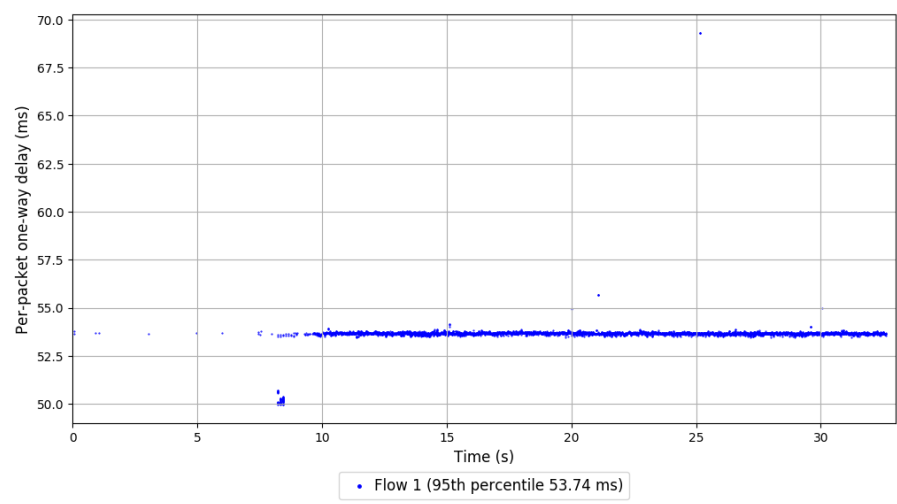
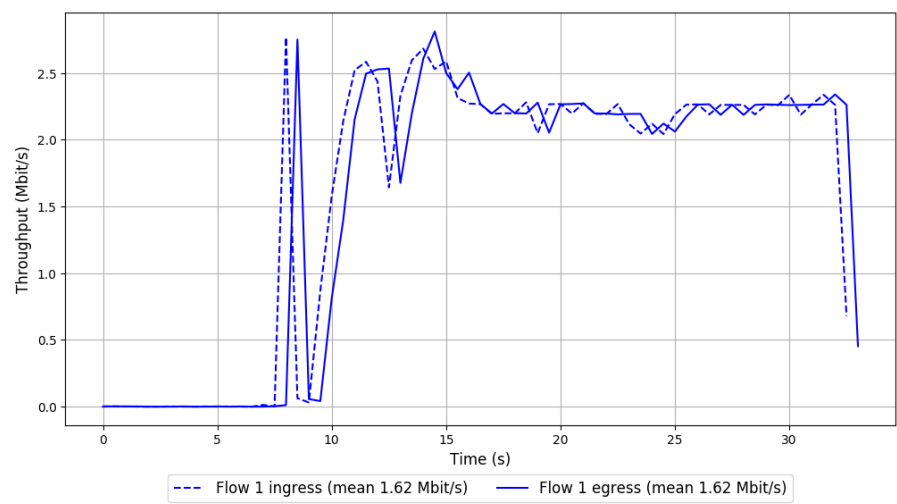


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-07 11:45:05
End at: 2018-06-07 11:45:36
Local clock offset: -0.029 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-06-07 16:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 53.745 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 53.745 ms
Loss rate: 0.43%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-07 12:05:32

End at: 2018-06-07 12:06:02

Local clock offset: -0.206 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-07 16:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.192 ms

Loss rate: 0.45%

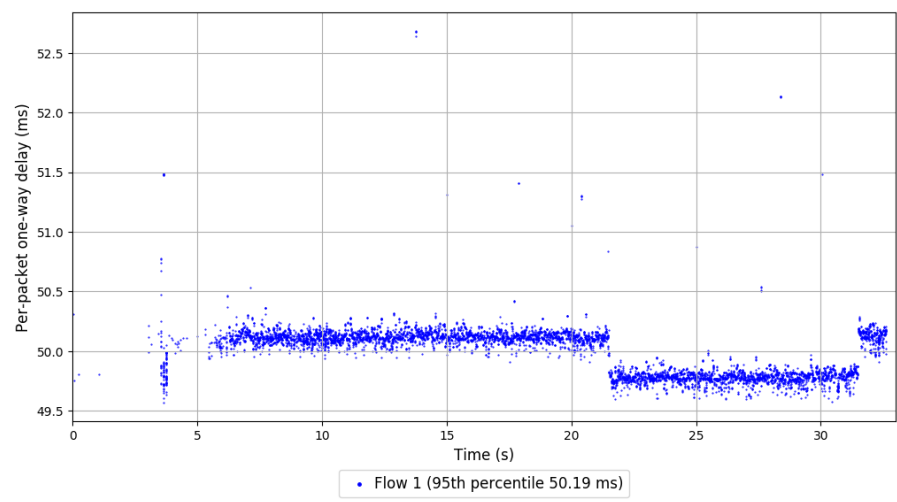
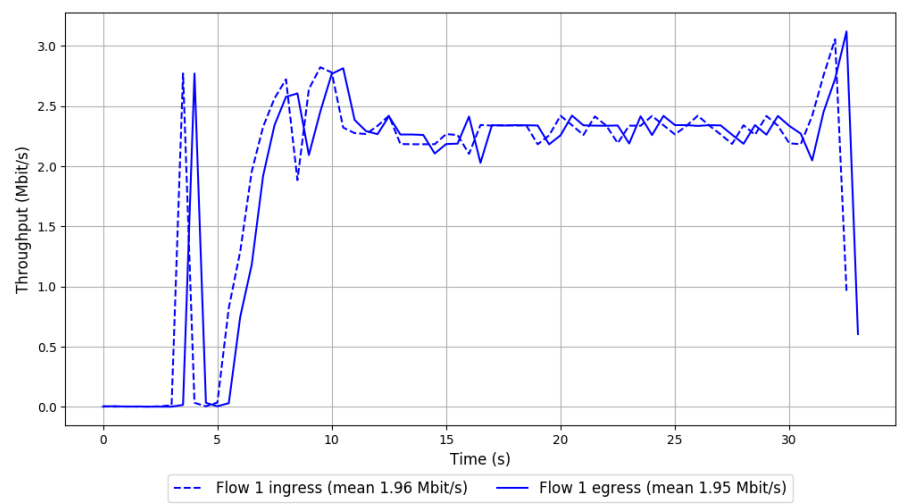
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.192 ms

Loss rate: 0.45%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-07 12:26:08

End at: 2018-06-07 12:26:38

Local clock offset: -0.154 ms

Remote clock offset: 0.46 ms

Below is generated by plot.py at 2018-06-07 16:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.221 ms

Loss rate: 0.50%

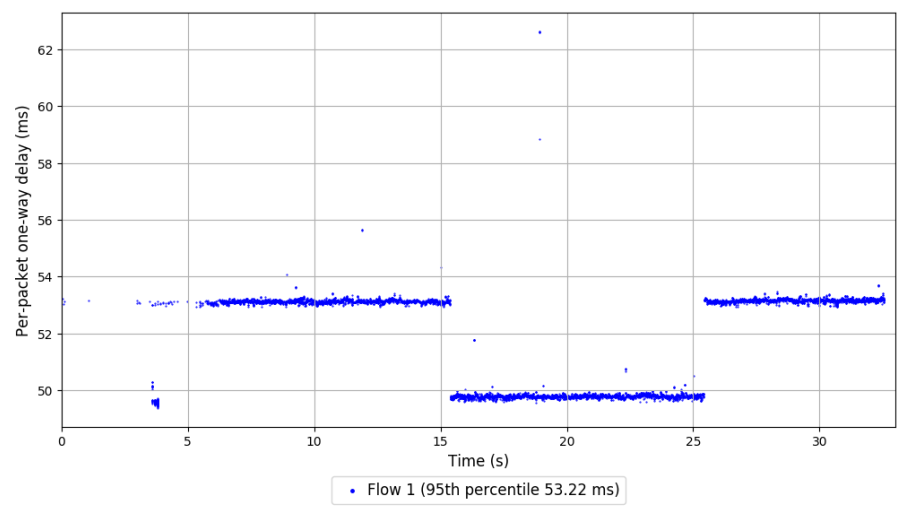
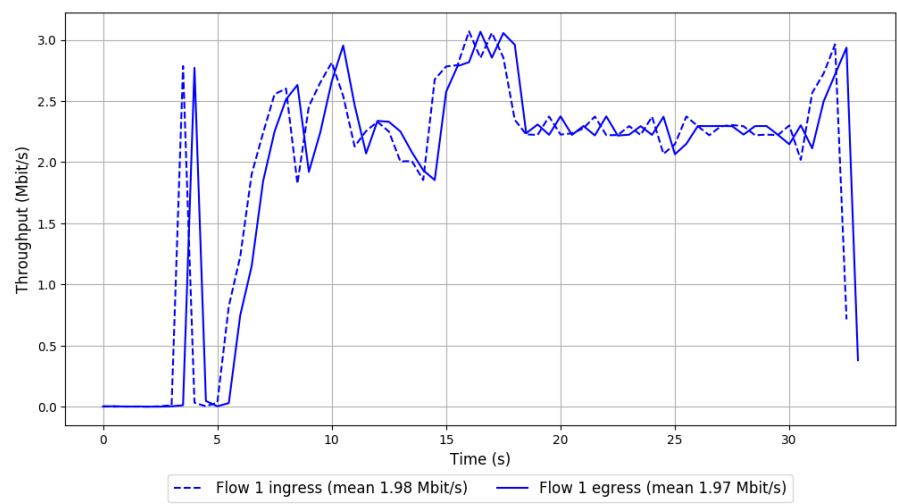
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.221 ms

Loss rate: 0.50%

Run 3: Report of WebRTC media — Data Link

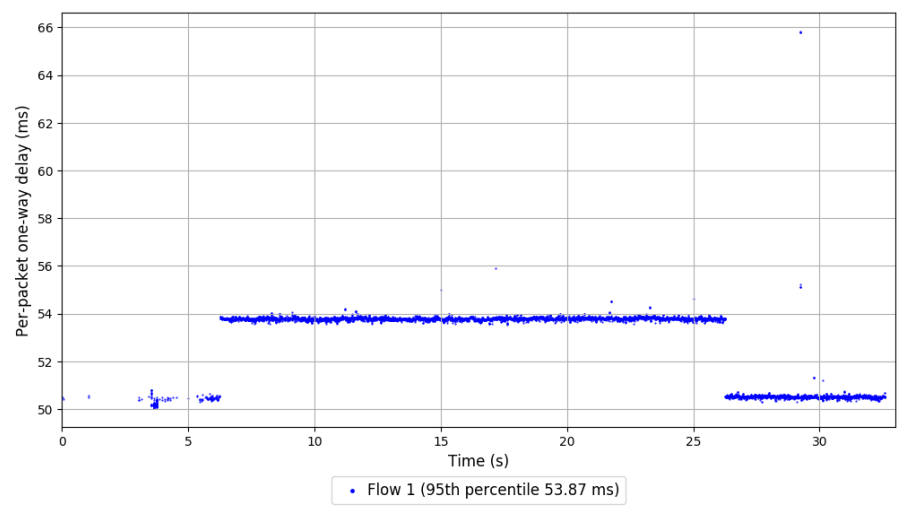
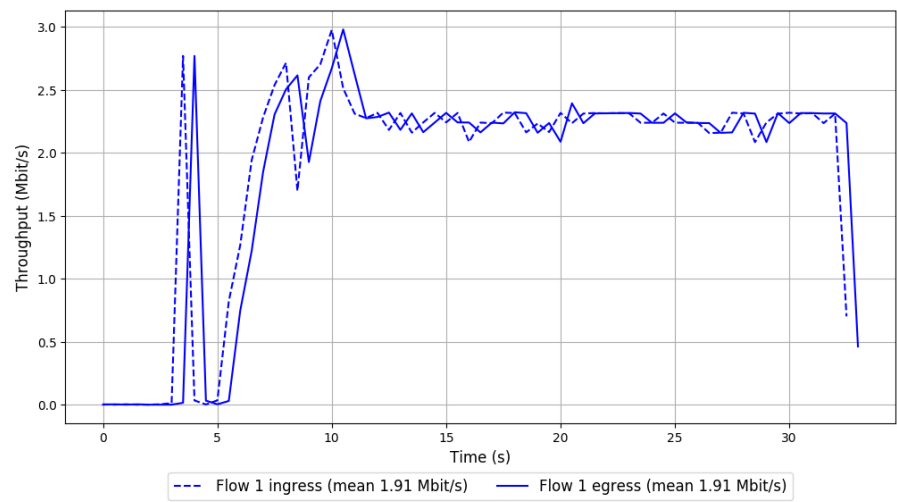


Run 4: Statistics of WebRTC media

Start at: 2018-06-07 12:45:57
End at: 2018-06-07 12:46:27
Local clock offset: -0.083 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-07 16:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 53.869 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 53.869 ms
Loss rate: 0.38%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-07 13:05:59

End at: 2018-06-07 13:06:29

Local clock offset: -0.121 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-06-07 16:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 53.762 ms

Loss rate: 0.53%

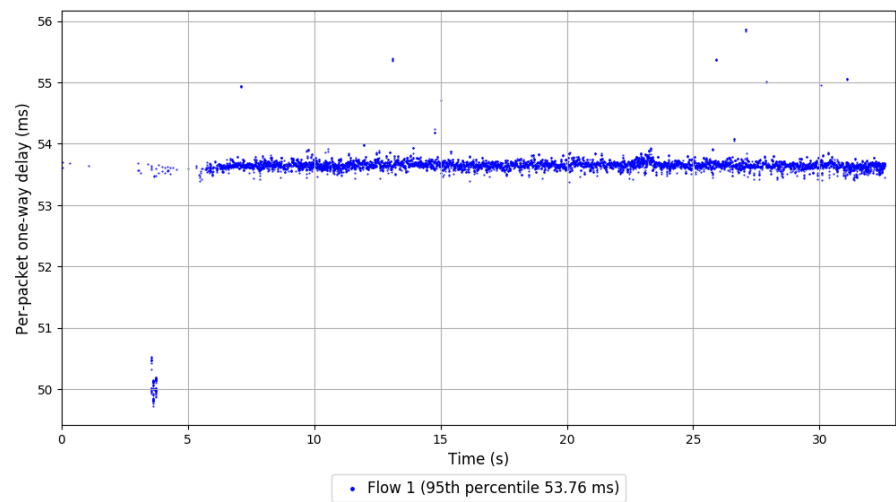
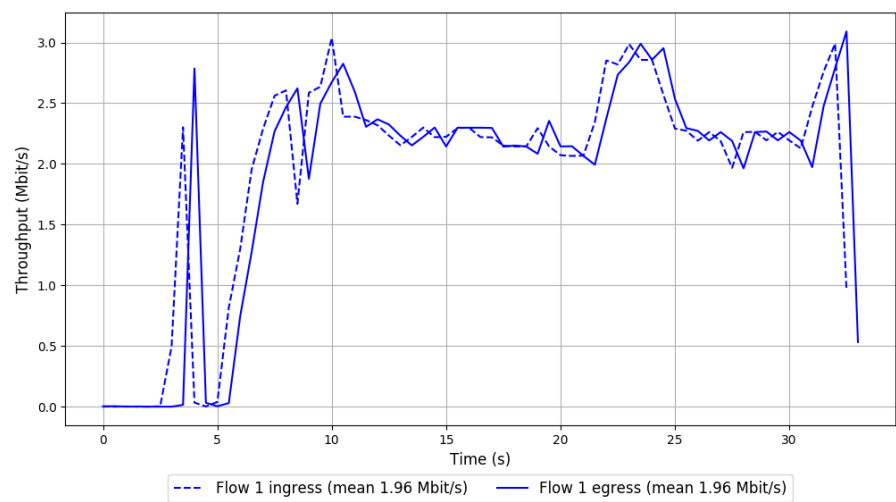
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 53.762 ms

Loss rate: 0.53%

Run 5: Report of WebRTC media — Data Link

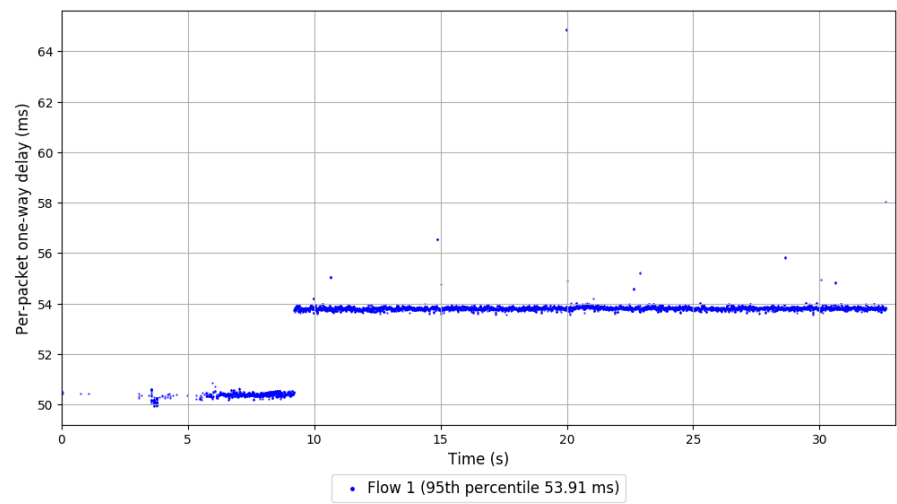
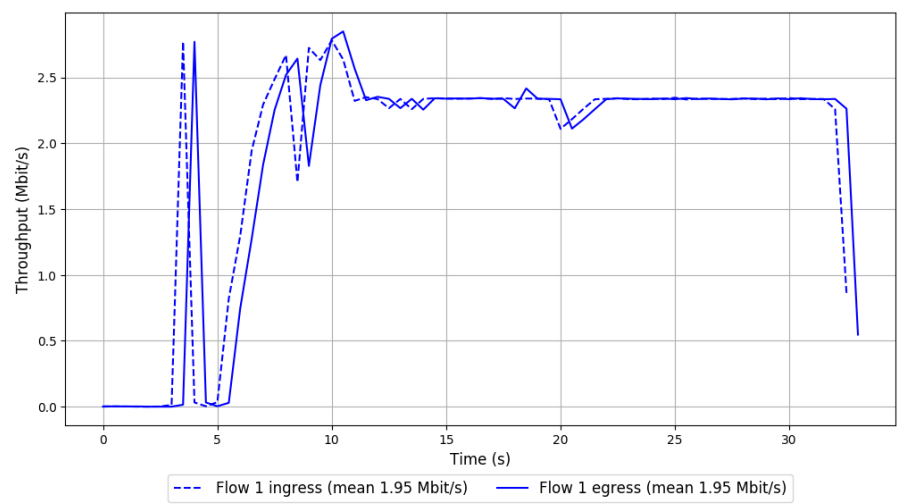


Run 6: Statistics of WebRTC media

Start at: 2018-06-07 13:26:04
End at: 2018-06-07 13:26:35
Local clock offset: -0.175 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-06-07 16:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.908 ms
Loss rate: 0.43%

Run 6: Report of WebRTC media — Data Link

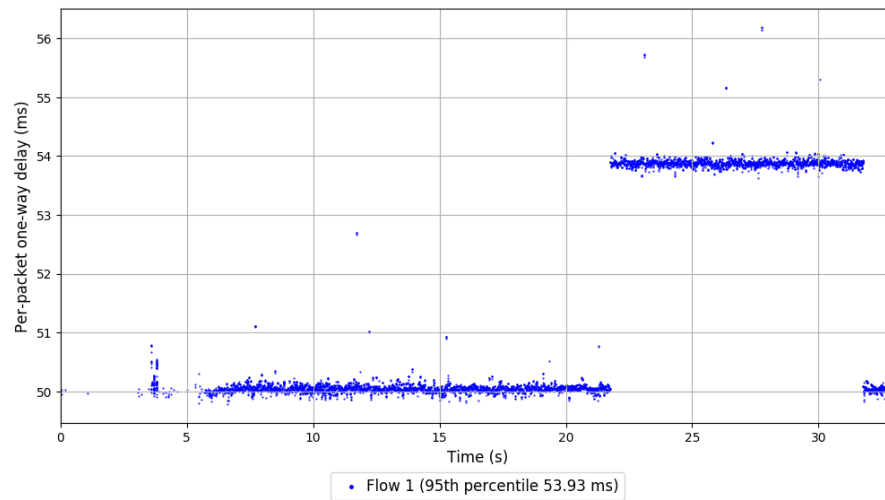
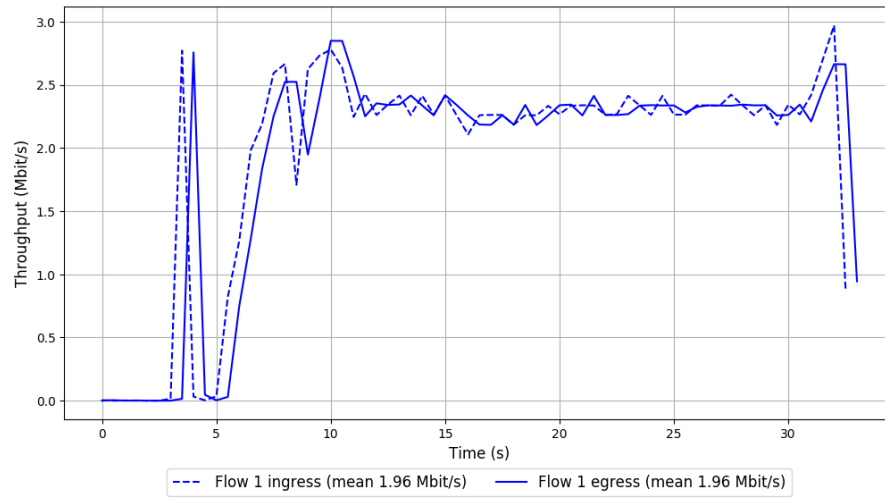


Run 7: Statistics of WebRTC media

Start at: 2018-06-07 13:46:33
End at: 2018-06-07 13:47:03
Local clock offset: -0.108 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-06-07 16:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 0.42%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-07 14:06:37

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

Local clock offset: -0.267 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-06-07 16:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 53.983 ms

Loss rate: 0.36%

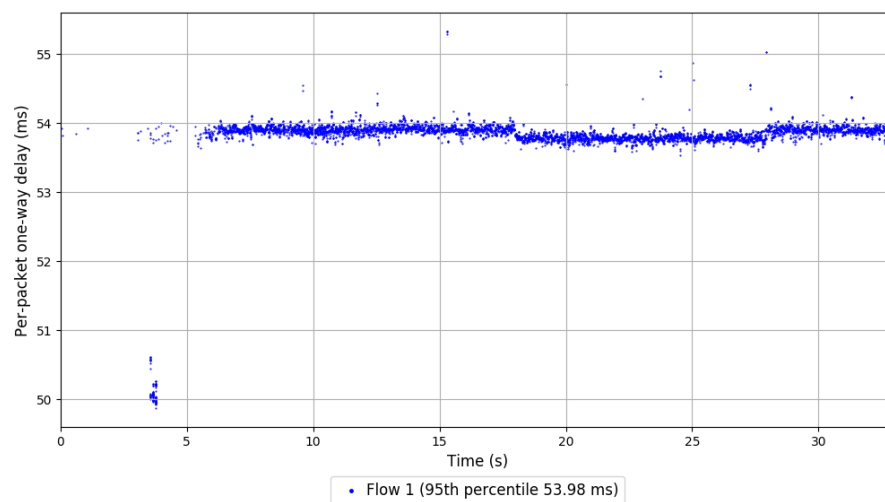
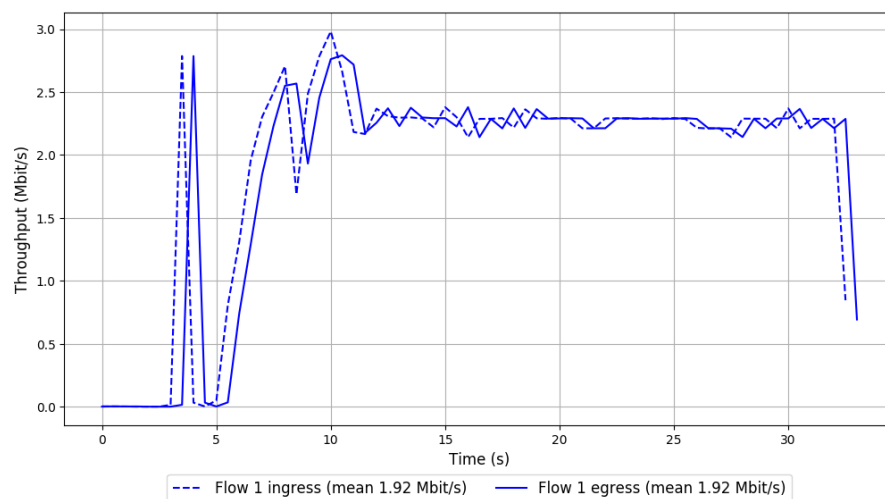
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 53.983 ms

Loss rate: 0.36%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-07 14:26:55

End at: 2018-06-07 14:27:25

Local clock offset: 0.005 ms

Remote clock offset: 0.522 ms

Below is generated by plot.py at 2018-06-07 16:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.301 ms

Loss rate: 0.37%

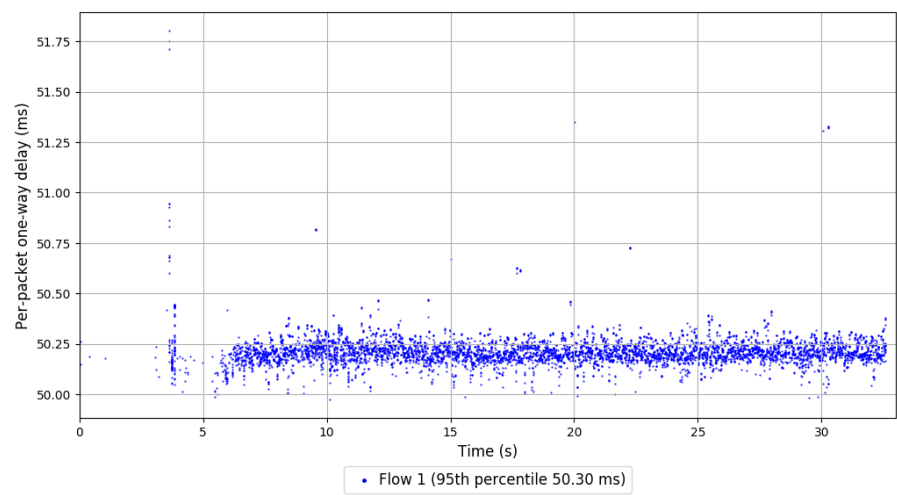
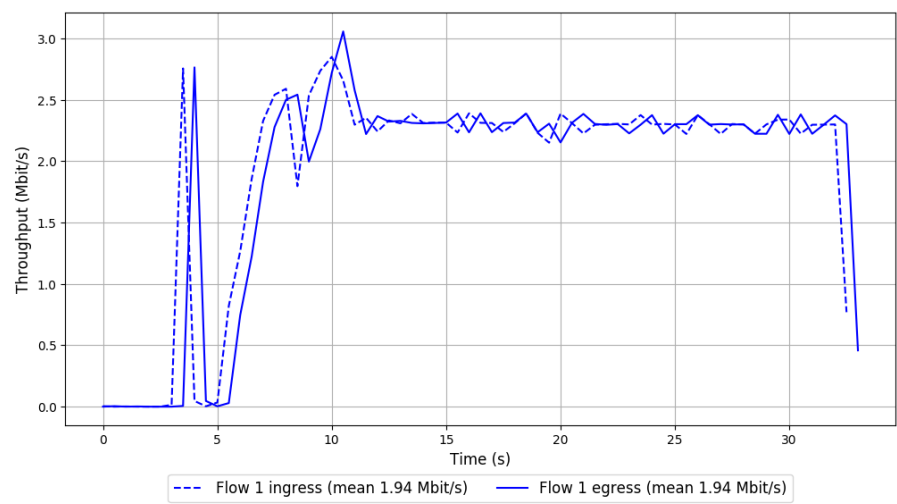
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.301 ms

Loss rate: 0.37%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-07 14:47:52

End at: 2018-06-07 14:48:22

Local clock offset: 0.142 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2018-06-07 16:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.779 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.779 ms

Loss rate: 0.36%

Run 10: Report of WebRTC media — Data Link

