

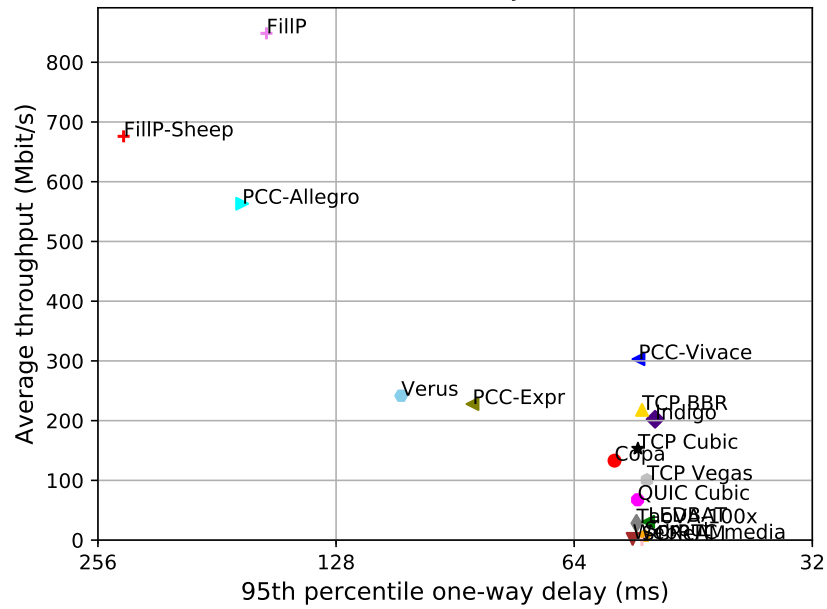
Pantheon Report

Generated at 2018-07-05 18:15:39 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

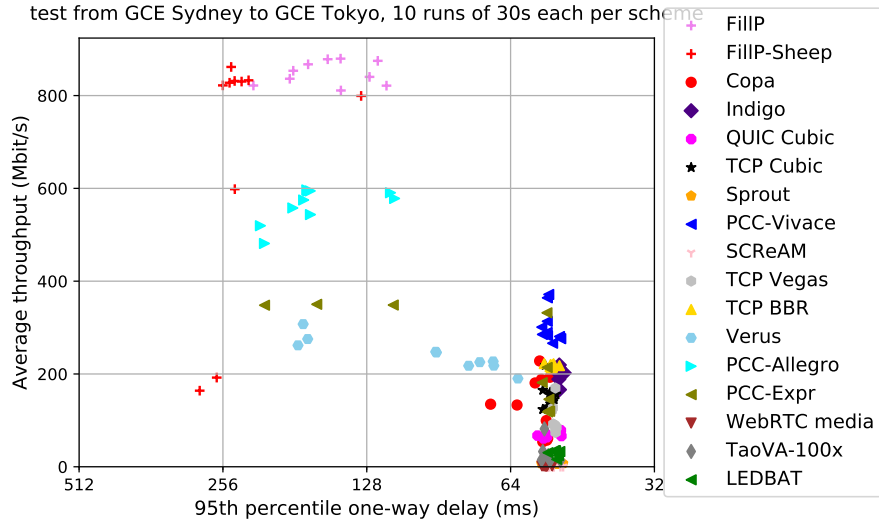
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Sydney to GCE Tokyo, 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	218.07	52.53	0.00
Copa	10	133.00	56.91	0.00
TCP Cubic	10	153.05	53.17	0.00
FillP	10	848.42	156.75	1.48
FillP-Sheep	10	675.97	237.56	4.09
Indigo	10	202.30	50.57	0.00
LEDBAT	10	30.66	51.61	0.00
PCC-Allegro	10	563.13	168.23	1.24
PCC-Expr	10	227.80	86.05	0.26
QUIC Cubic	7	67.50	53.21	0.00
SCReAM	10	0.22	52.54	0.01
Sprout	10	6.85	52.14	0.00
TaoVA-100x	7	28.16	53.39	0.00
TCP Vegas	10	100.61	51.79	0.00
Verus	10	241.71	105.89	0.07
PCC-Vivace	10	302.94	53.08	0.00
WebRTC media	10	1.99	53.99	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-05 12:57:38

End at: 2018-07-05 12:58:08

Local clock offset: 0.012 ms

Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-05 16:41:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.05 Mbit/s

95th percentile per-packet one-way delay: 50.562 ms

Loss rate: 0.00%

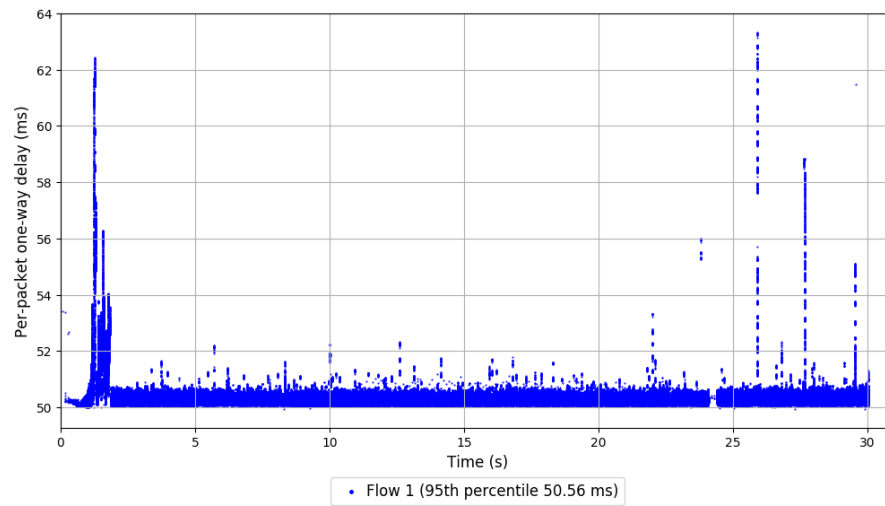
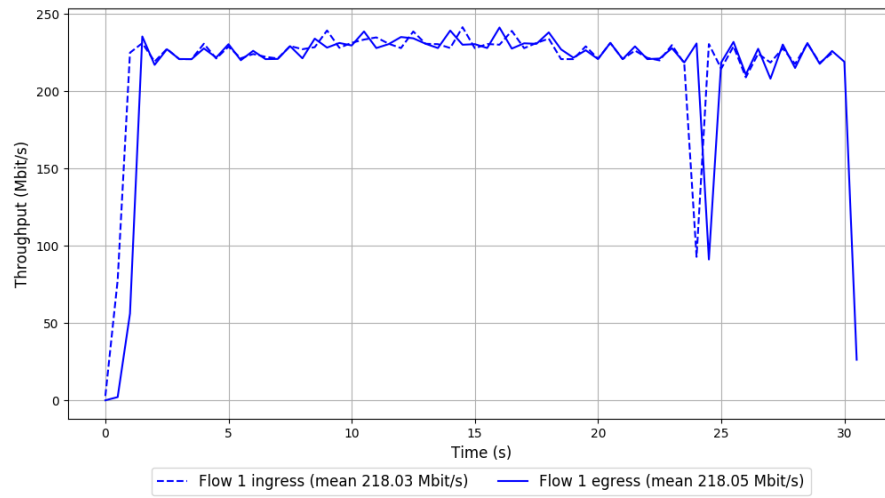
-- Flow 1:

Average throughput: 218.05 Mbit/s

95th percentile per-packet one-way delay: 50.562 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-05 13:18:53

End at: 2018-07-05 13:19:23

Local clock offset: 0.132 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-05 16:41:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.06 Mbit/s

95th percentile per-packet one-way delay: 52.573 ms

Loss rate: 0.00%

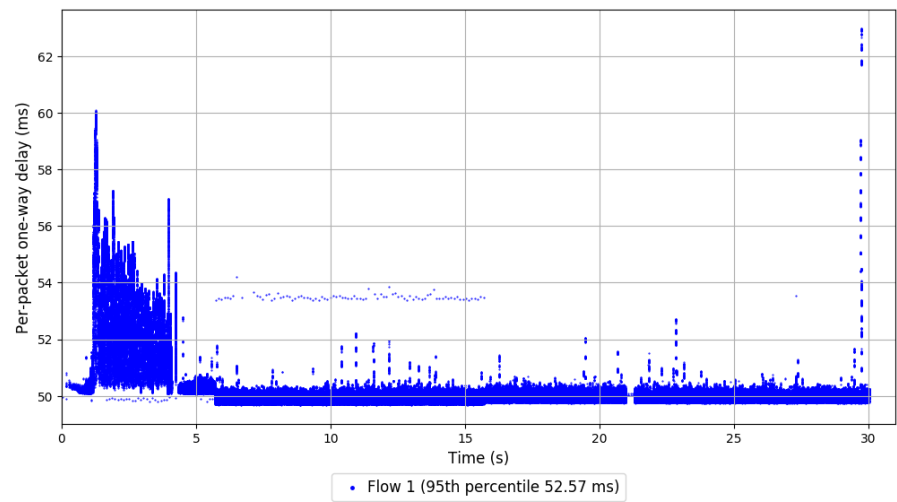
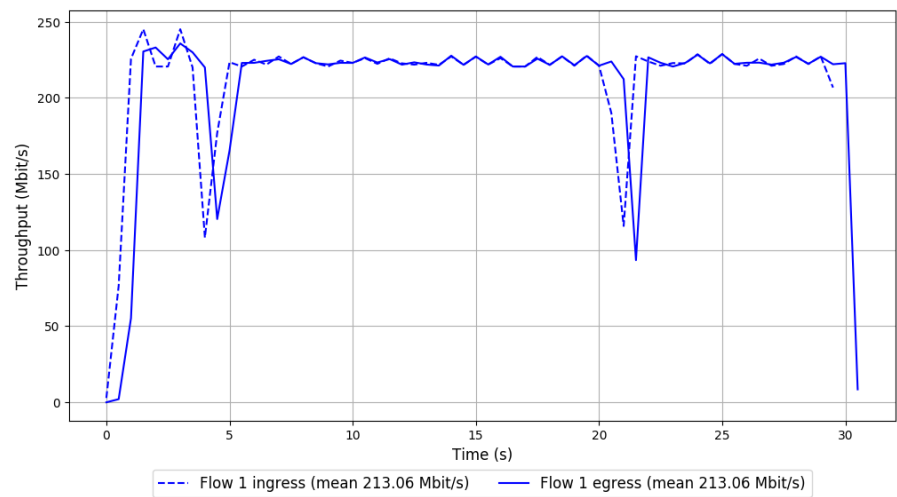
-- Flow 1:

Average throughput: 213.06 Mbit/s

95th percentile per-packet one-way delay: 52.573 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-05 13:40:26

End at: 2018-07-05 13:40:56

Local clock offset: -0.048 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-05 16:41:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.37 Mbit/s

95th percentile per-packet one-way delay: 54.417 ms

Loss rate: 0.00%

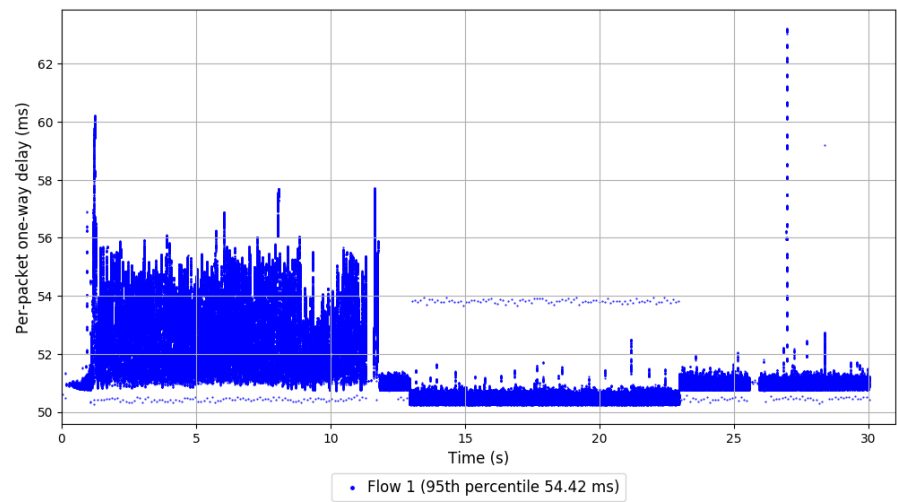
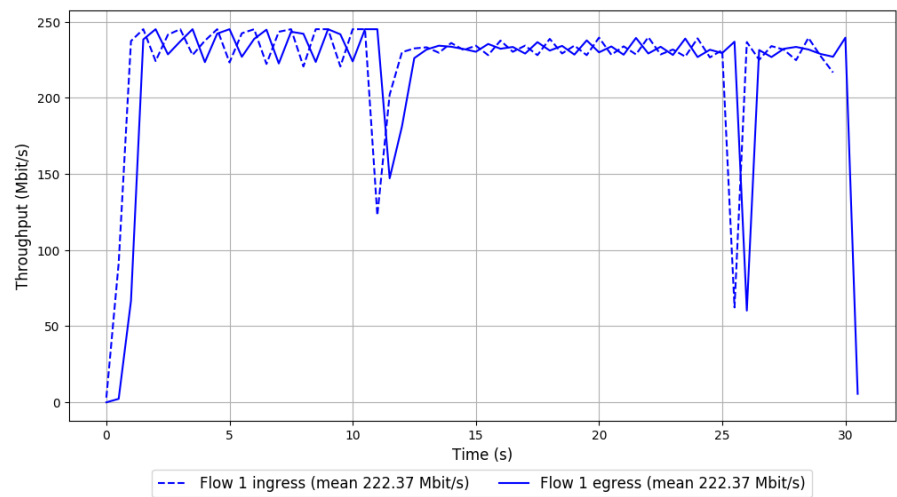
-- Flow 1:

Average throughput: 222.37 Mbit/s

95th percentile per-packet one-way delay: 54.417 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-05 14:02:15

End at: 2018-07-05 14:02:45

Local clock offset: 0.135 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-05 16:41:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.49 Mbit/s

95th percentile per-packet one-way delay: 52.763 ms

Loss rate: 0.00%

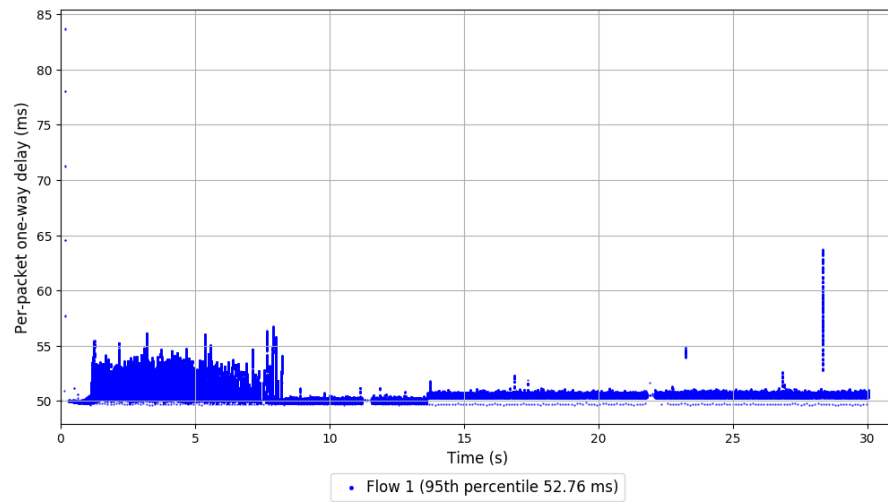
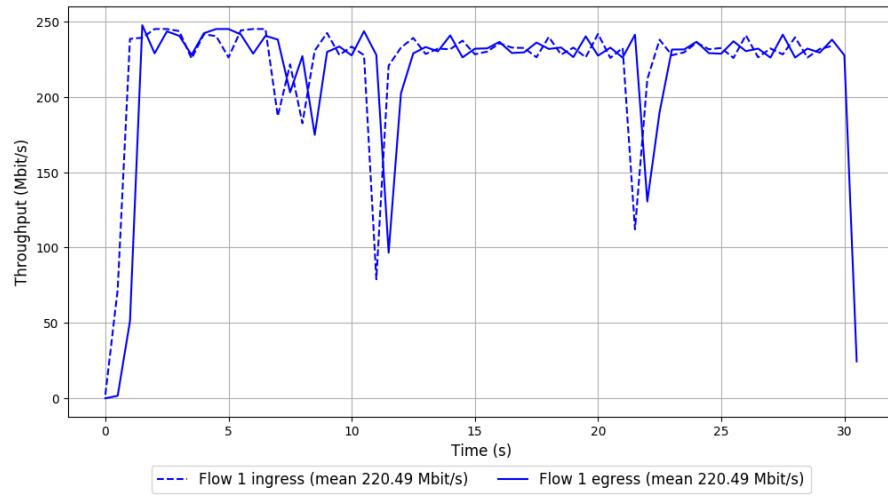
-- Flow 1:

Average throughput: 220.49 Mbit/s

95th percentile per-packet one-way delay: 52.763 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-05 14:24:15

End at: 2018-07-05 14:24:45

Local clock offset: 0.019 ms

Remote clock offset: 1.433 ms

Below is generated by plot.py at 2018-07-05 16:41:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.69 Mbit/s

95th percentile per-packet one-way delay: 52.677 ms

Loss rate: 0.00%

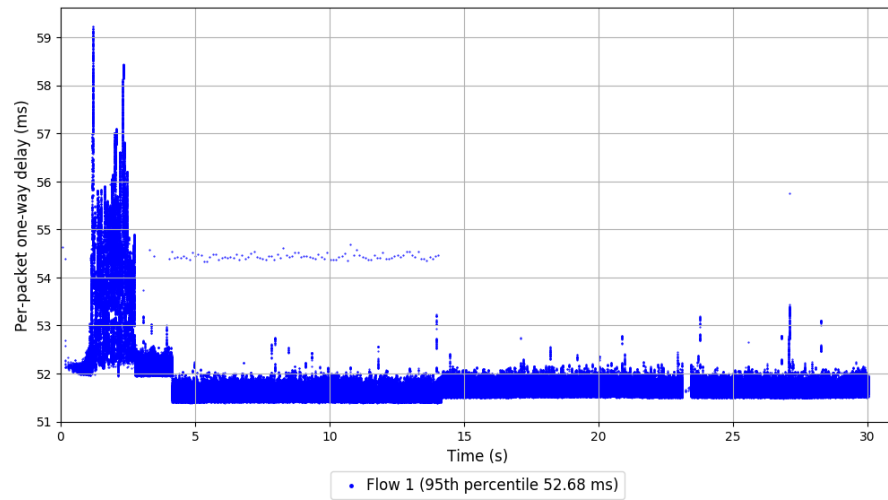
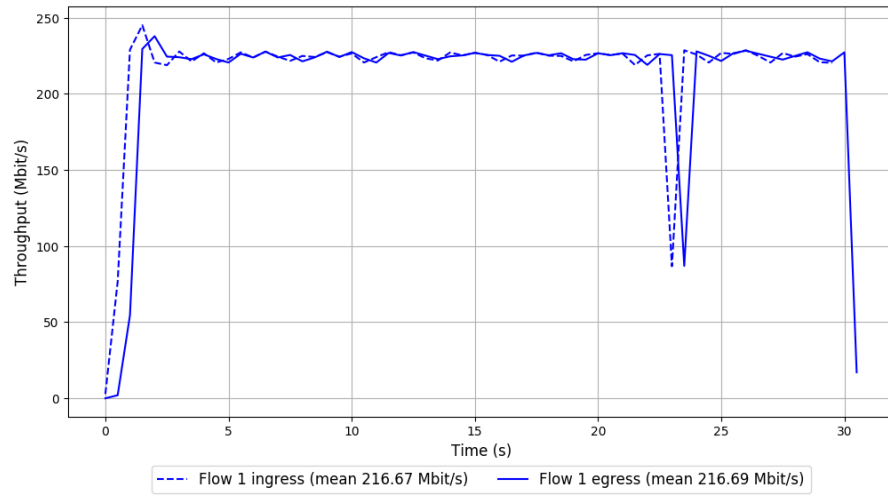
-- Flow 1:

Average throughput: 216.69 Mbit/s

95th percentile per-packet one-way delay: 52.677 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-05 14:46:00

End at: 2018-07-05 14:46:30

Local clock offset: -0.034 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2018-07-05 16:41:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.44 Mbit/s

95th percentile per-packet one-way delay: 52.832 ms

Loss rate: 0.00%

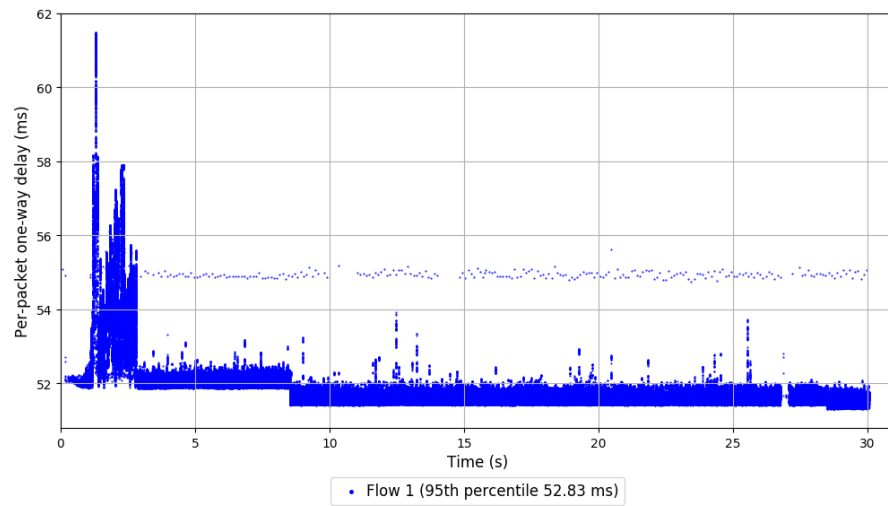
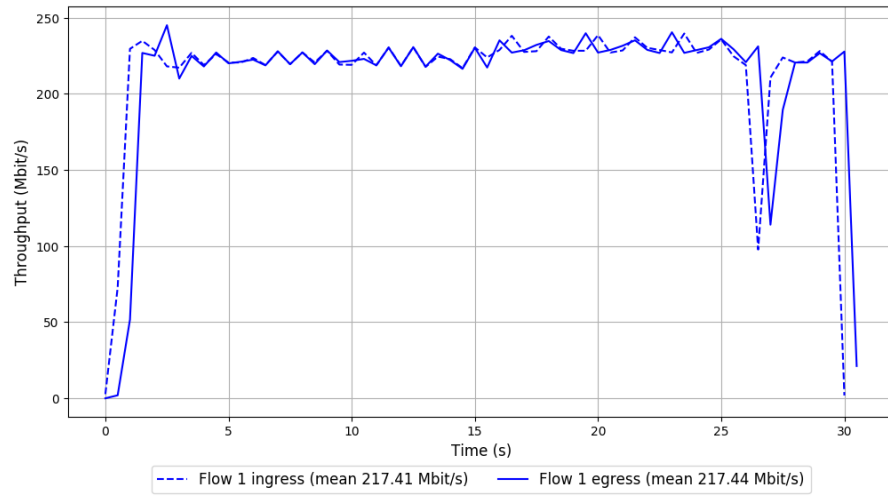
-- Flow 1:

Average throughput: 217.44 Mbit/s

95th percentile per-packet one-way delay: 52.832 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-05 15:07:43

End at: 2018-07-05 15:08:13

Local clock offset: -0.078 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2018-07-05 16:41:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.98 Mbit/s

95th percentile per-packet one-way delay: 52.264 ms

Loss rate: 0.00%

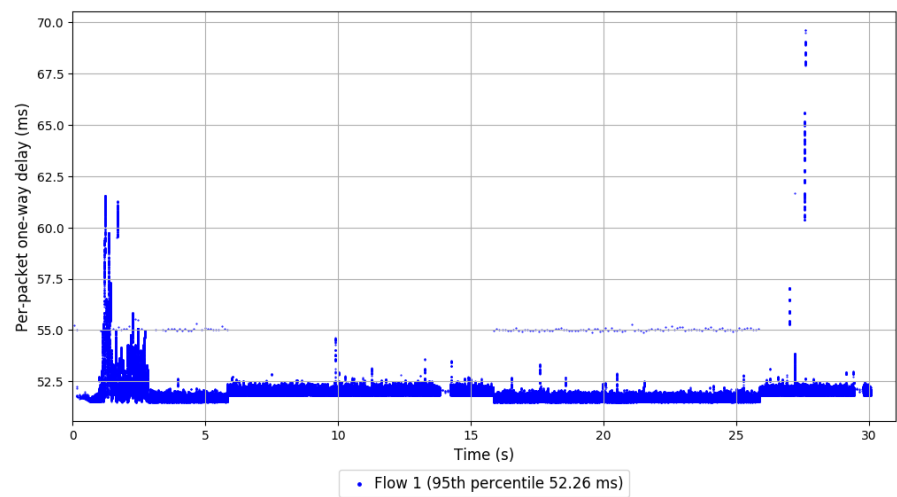
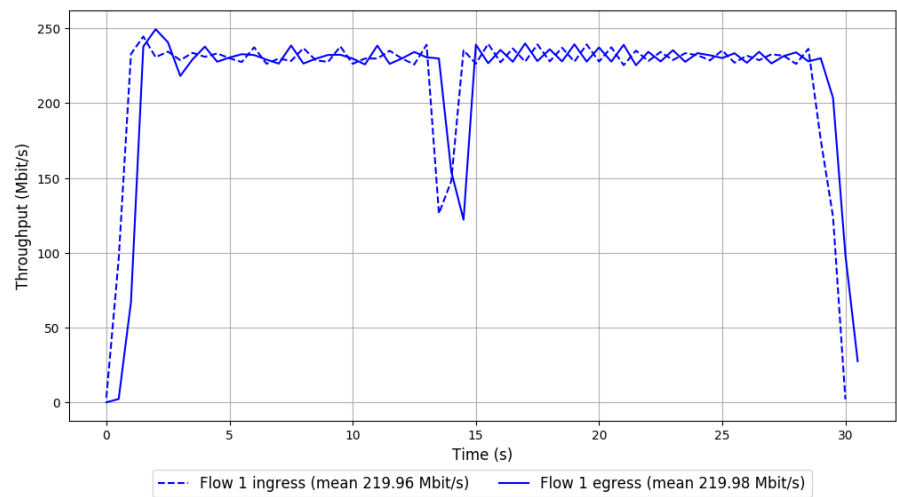
-- Flow 1:

Average throughput: 219.98 Mbit/s

95th percentile per-packet one-way delay: 52.264 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-05 15:29:50

End at: 2018-07-05 15:30:20

Local clock offset: -0.15 ms

Remote clock offset: 1.43 ms

Below is generated by plot.py at 2018-07-05 16:41:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.68 Mbit/s

95th percentile per-packet one-way delay: 52.300 ms

Loss rate: 0.00%

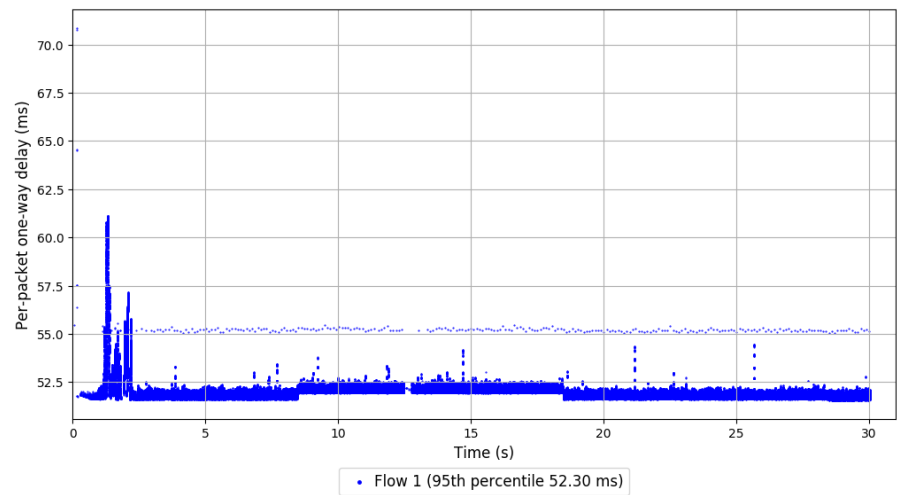
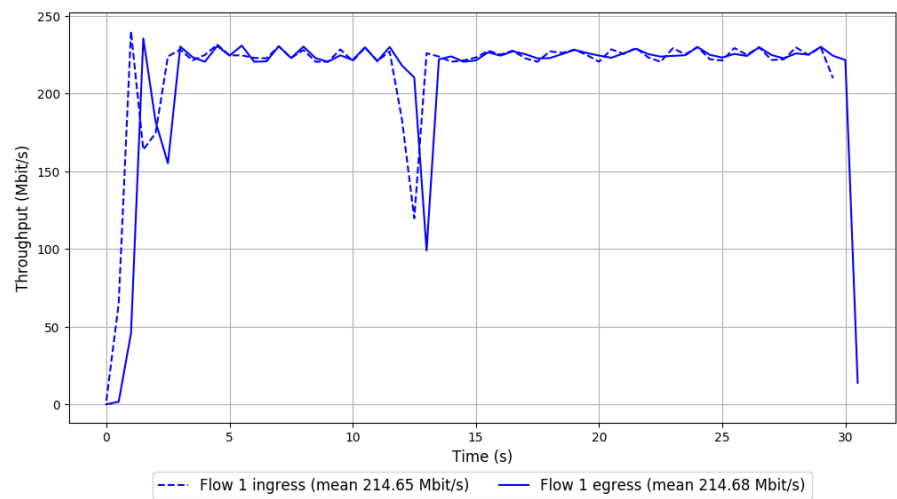
-- Flow 1:

Average throughput: 214.68 Mbit/s

95th percentile per-packet one-way delay: 52.300 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-05 15:51:52

End at: 2018-07-05 15:52:22

Local clock offset: -0.27 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-07-05 16:45:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.23 Mbit/s

95th percentile per-packet one-way delay: 52.033 ms

Loss rate: 0.00%

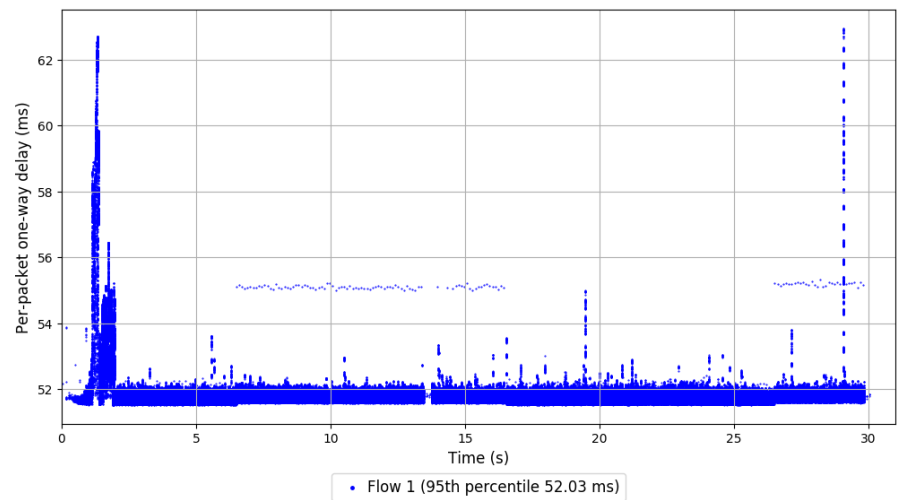
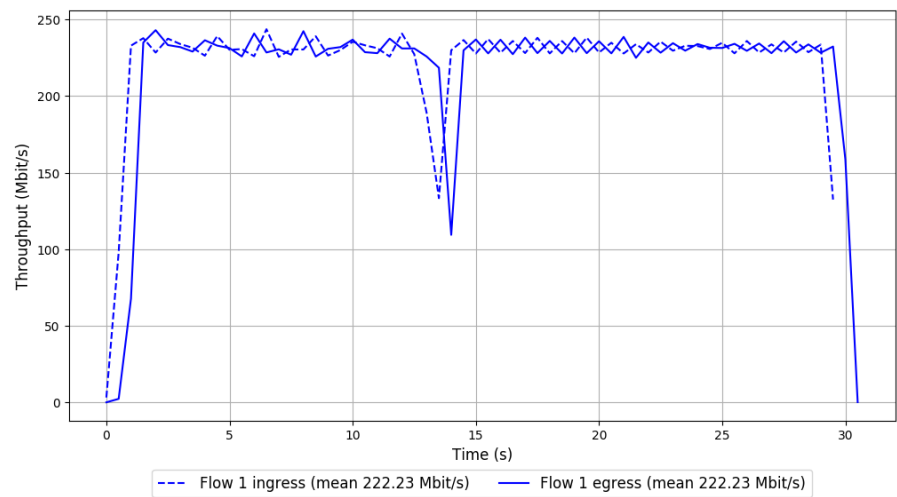
-- Flow 1:

Average throughput: 222.23 Mbit/s

95th percentile per-packet one-way delay: 52.033 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

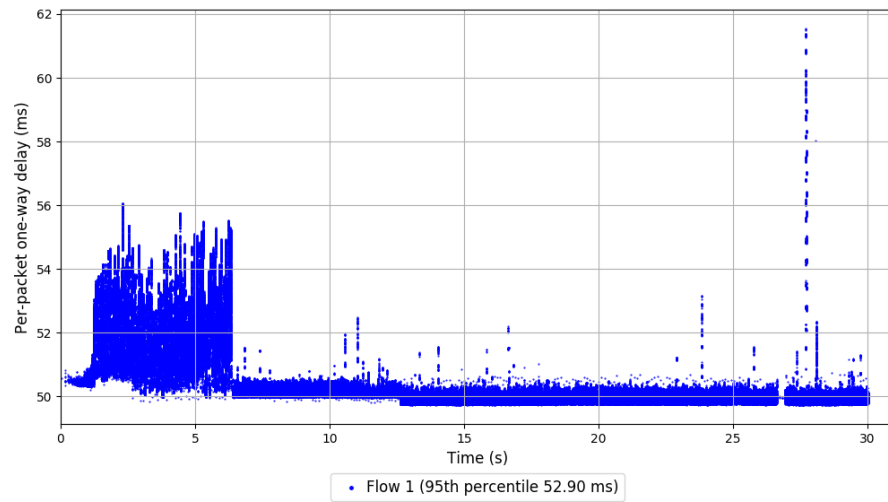
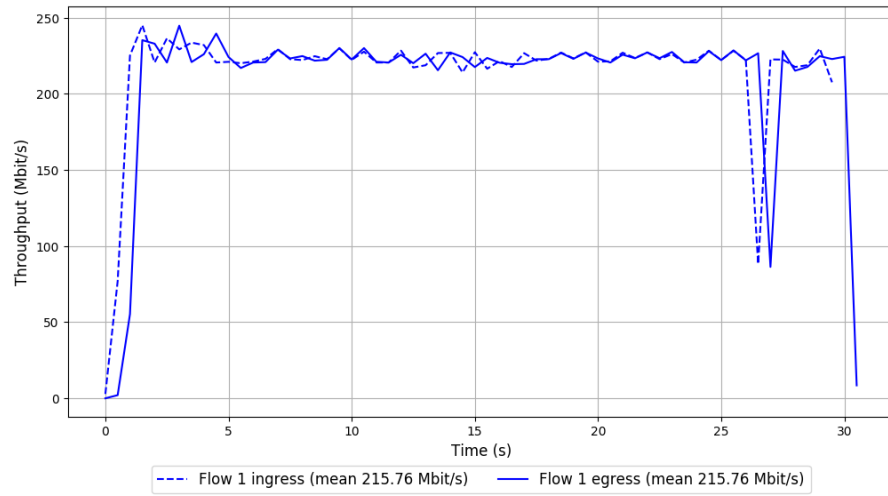


Run 10: Statistics of TCP BBR

Start at: 2018-07-05 16:13:56
End at: 2018-07-05 16:14:26
Local clock offset: -0.045 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-05 16:45:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.76 Mbit/s
95th percentile per-packet one-way delay: 52.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.76 Mbit/s
95th percentile per-packet one-way delay: 52.902 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-05 12:52:15

End at: 2018-07-05 12:52:45

Local clock offset: -0.034 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-05 16:47:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.36 Mbit/s

95th percentile per-packet one-way delay: 55.144 ms

Loss rate: 0.00%

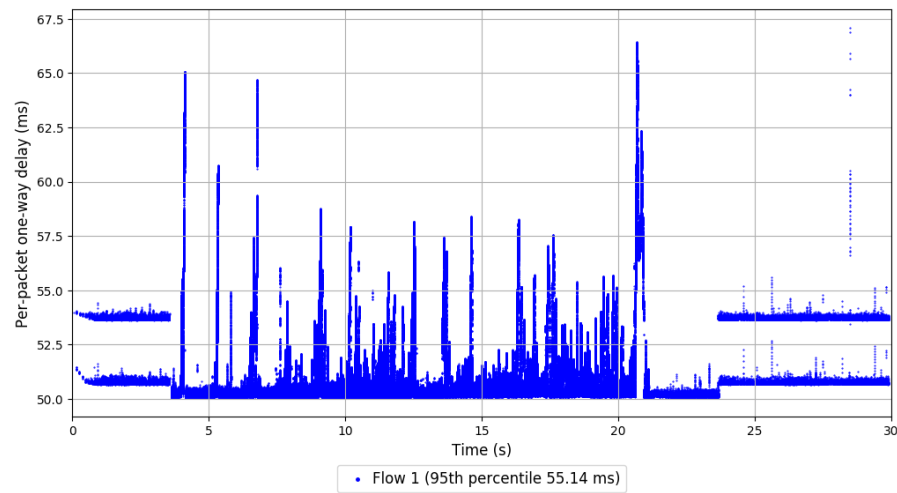
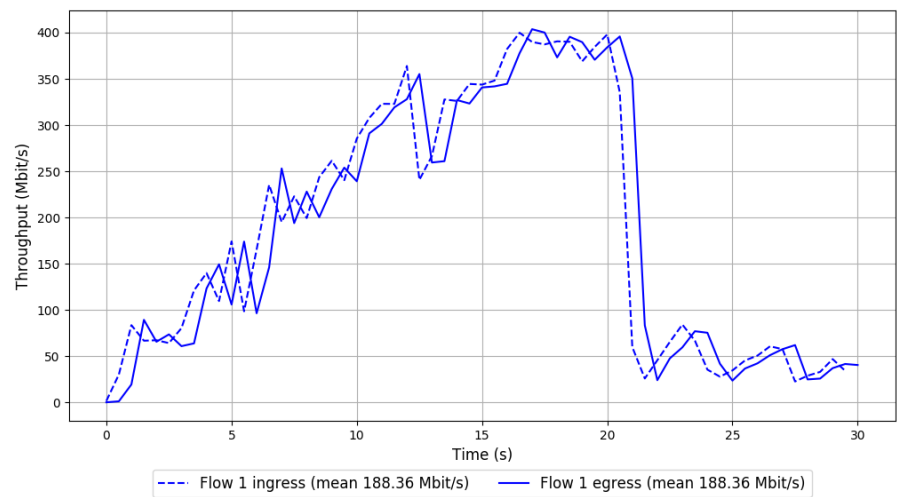
-- Flow 1:

Average throughput: 188.36 Mbit/s

95th percentile per-packet one-way delay: 55.144 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

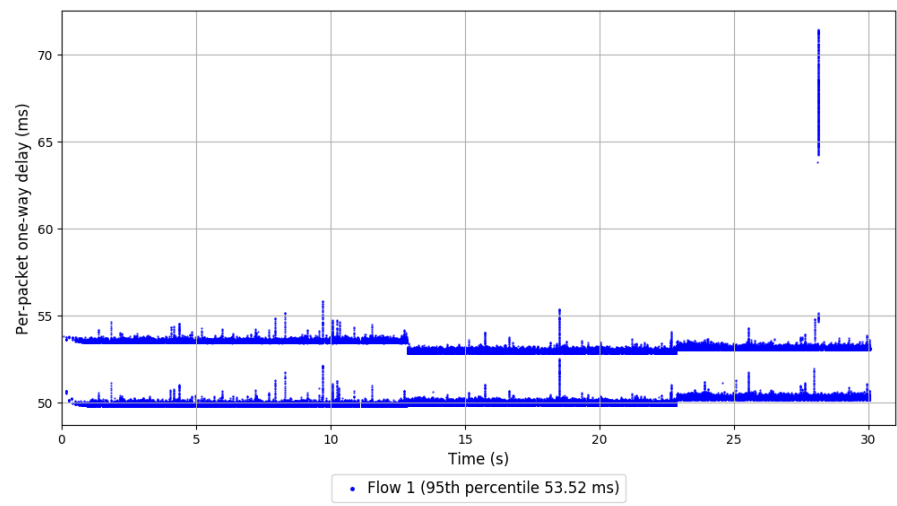
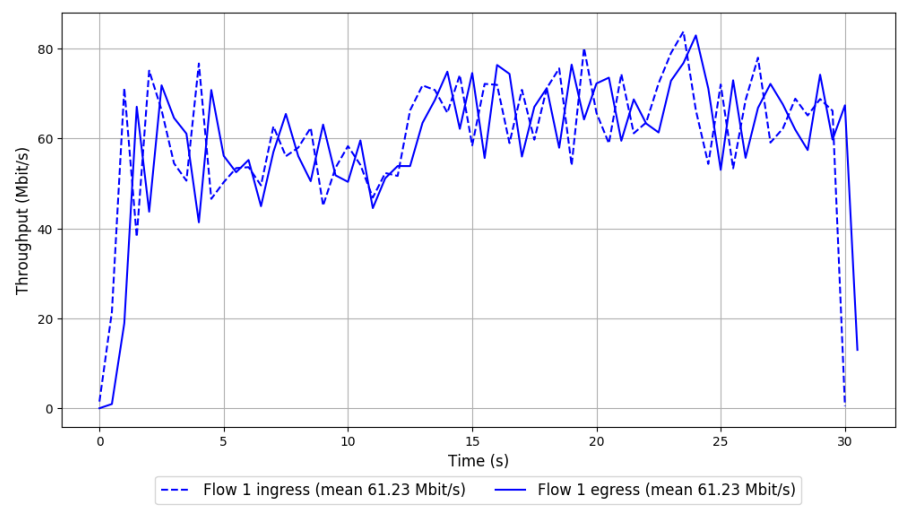


Run 2: Statistics of Copa

Start at: 2018-07-05 13:13:46
End at: 2018-07-05 13:14:16
Local clock offset: 0.264 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-05 16:47:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-05 13:35:18

End at: 2018-07-05 13:35:48

Local clock offset: 0.139 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-05 16:47:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.56 Mbit/s

95th percentile per-packet one-way delay: 53.892 ms

Loss rate: 0.00%

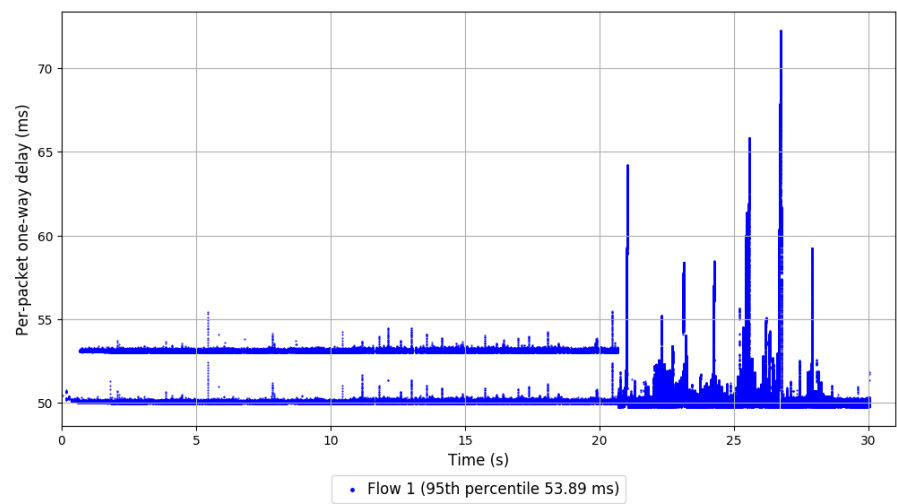
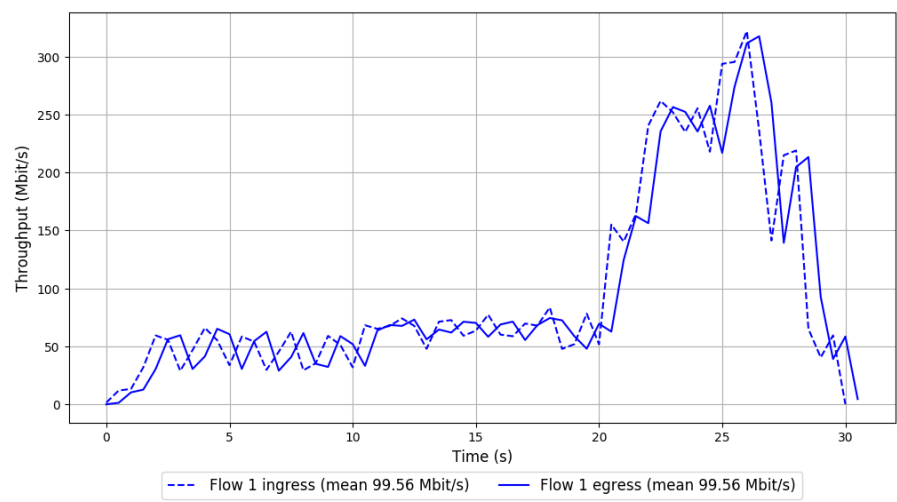
-- Flow 1:

Average throughput: 99.56 Mbit/s

95th percentile per-packet one-way delay: 53.892 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

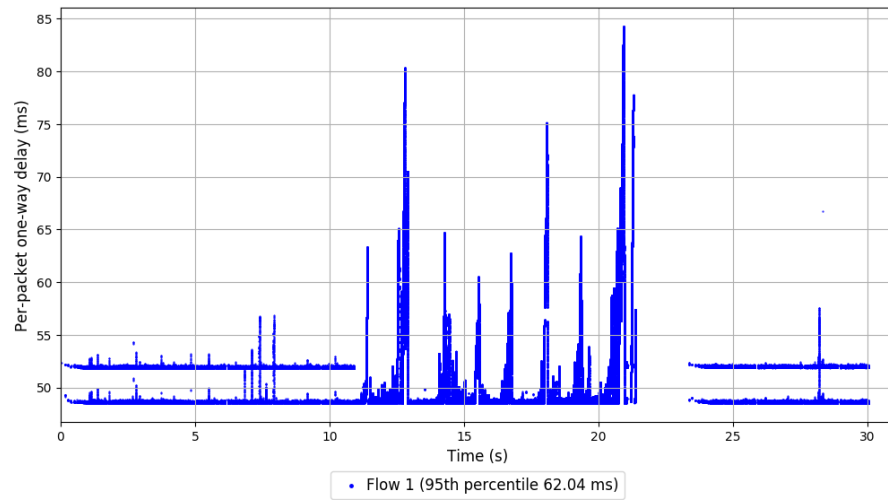
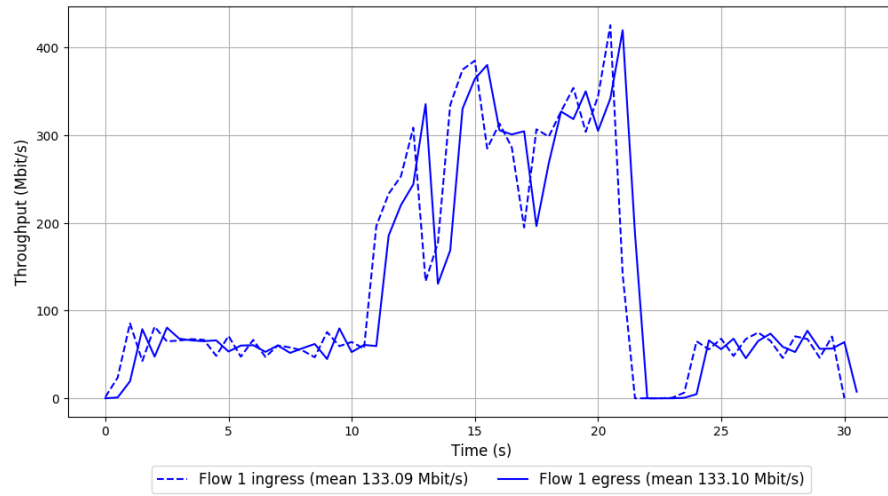


Run 4: Statistics of Copa

Start at: 2018-07-05 13:56:58
End at: 2018-07-05 13:57:28
Local clock offset: 0.248 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-07-05 16:47:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.10 Mbit/s
95th percentile per-packet one-way delay: 62.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.10 Mbit/s
95th percentile per-packet one-way delay: 62.043 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

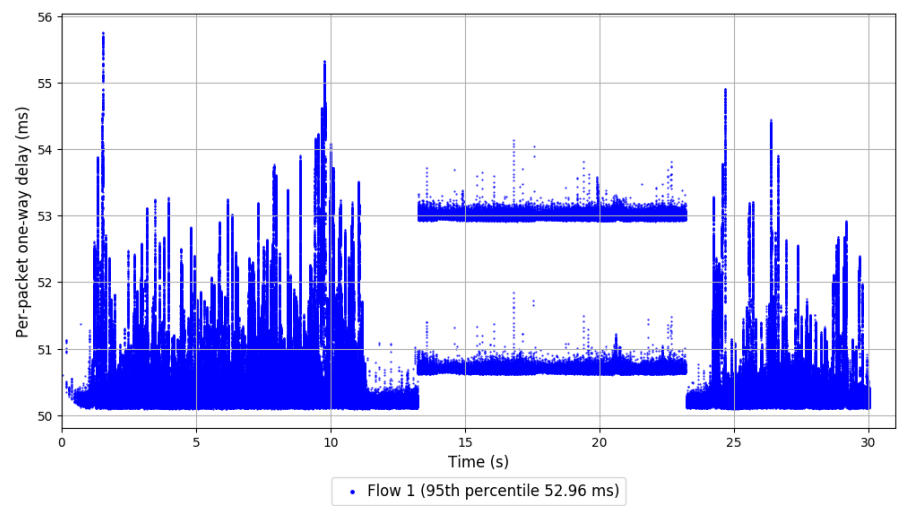
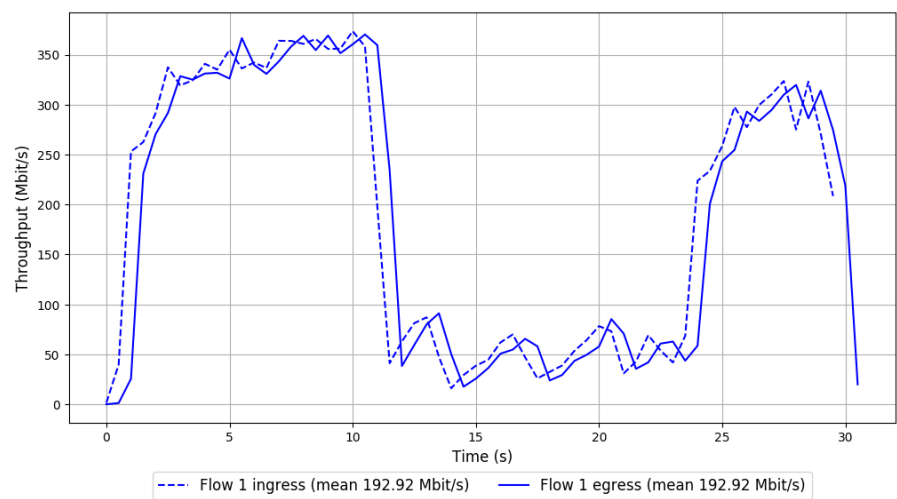


Run 5: Statistics of Copa

Start at: 2018-07-05 14:18:55
End at: 2018-07-05 14:19:26
Local clock offset: -0.053 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-05 16:47:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.92 Mbit/s
95th percentile per-packet one-way delay: 52.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.92 Mbit/s
95th percentile per-packet one-way delay: 52.961 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-05 14:40:53

End at: 2018-07-05 14:41:23

Local clock offset: -0.077 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-05 16:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 53.751 ms

Loss rate: 0.00%

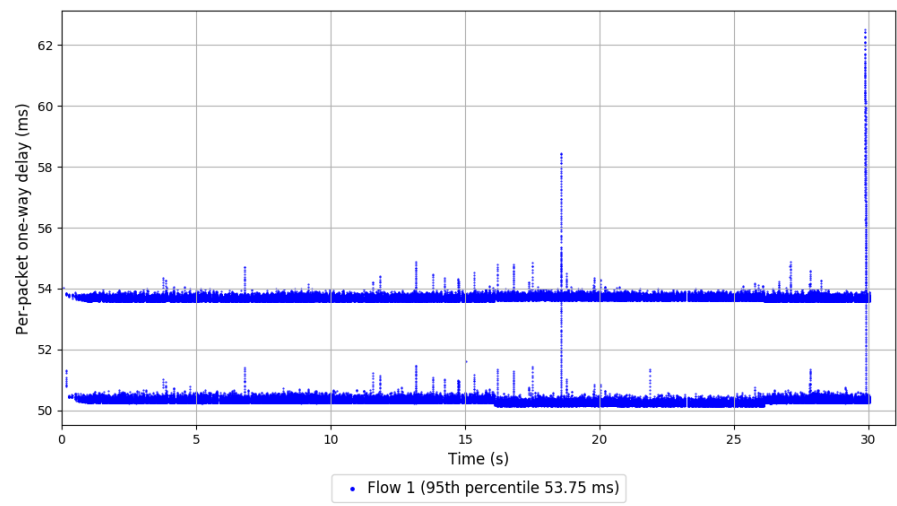
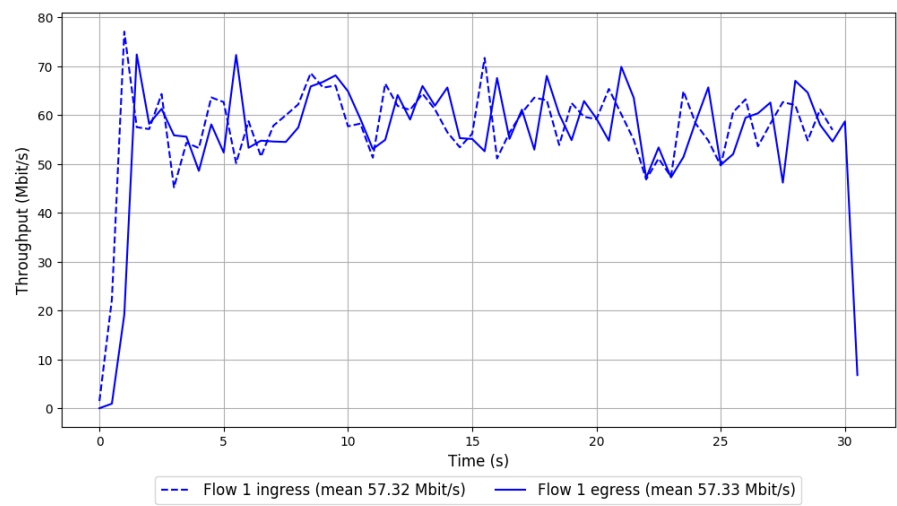
-- Flow 1:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 53.751 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-05 15:02:38

End at: 2018-07-05 15:03:08

Local clock offset: -0.275 ms

Remote clock offset: 0.988 ms

Below is generated by plot.py at 2018-07-05 16:47:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.91 Mbit/s

95th percentile per-packet one-way delay: 54.810 ms

Loss rate: 0.00%

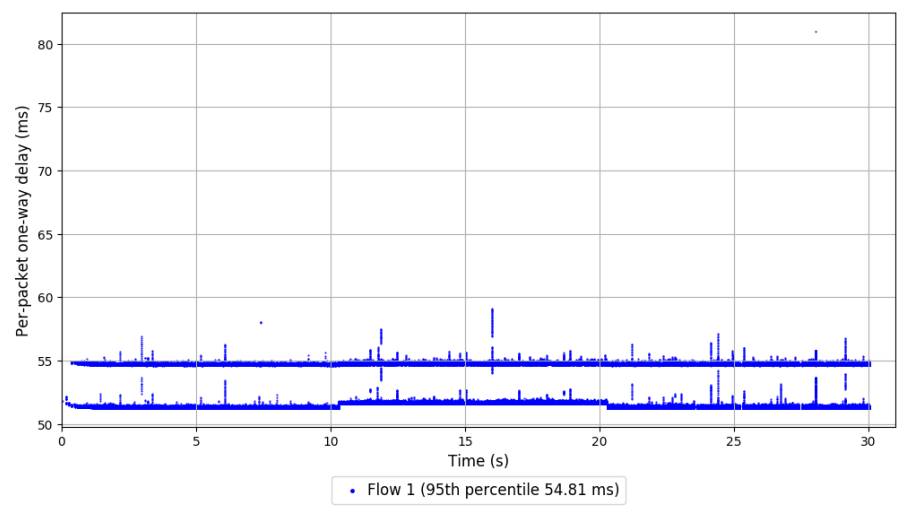
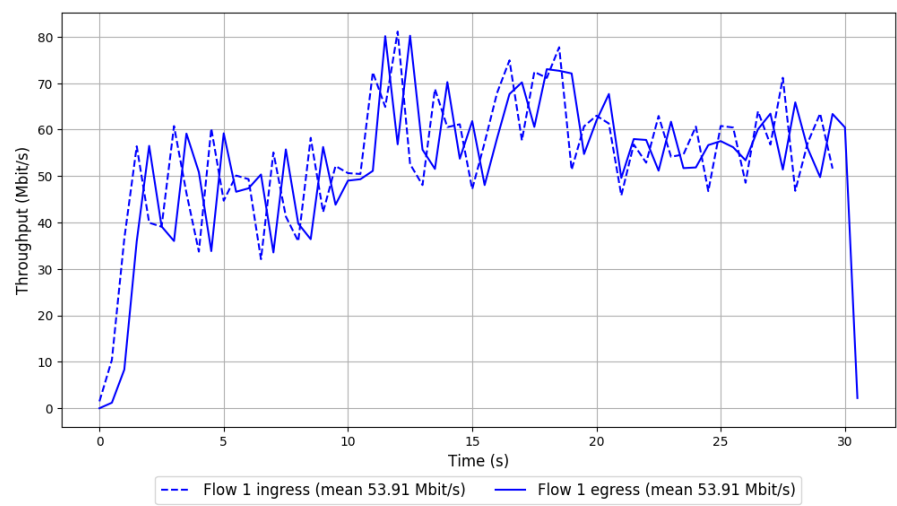
-- Flow 1:

Average throughput: 53.91 Mbit/s

95th percentile per-packet one-way delay: 54.810 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-05 15:24:37

End at: 2018-07-05 15:25:07

Local clock offset: 0.014 ms

Remote clock offset: 1.146 ms

Below is generated by plot.py at 2018-07-05 16:47:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 134.85 Mbit/s

95th percentile per-packet one-way delay: 70.471 ms

Loss rate: 0.00%

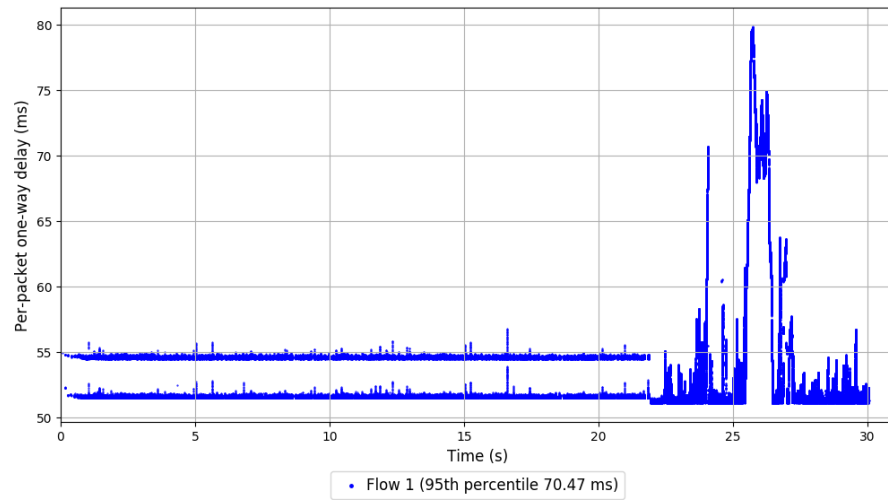
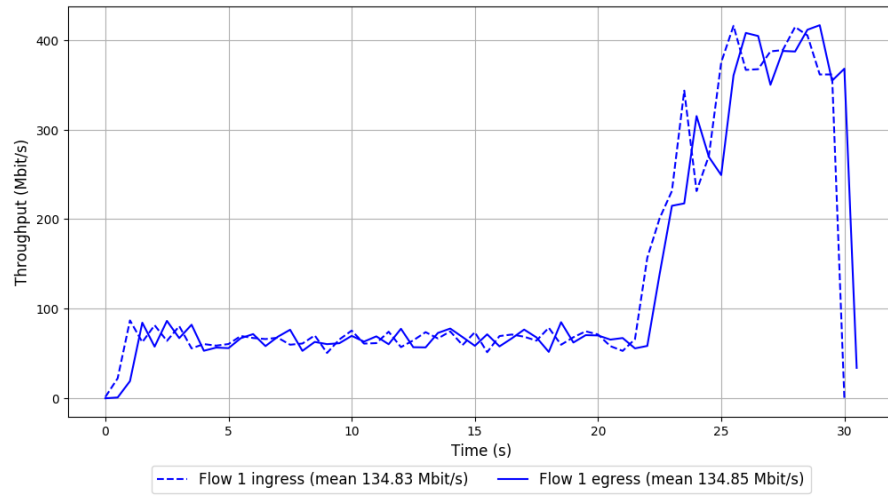
-- Flow 1:

Average throughput: 134.85 Mbit/s

95th percentile per-packet one-way delay: 70.471 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-05 15:46:31

End at: 2018-07-05 15:47:01

Local clock offset: -0.138 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-05 16:50:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.67 Mbit/s

95th percentile per-packet one-way delay: 56.866 ms

Loss rate: 0.00%

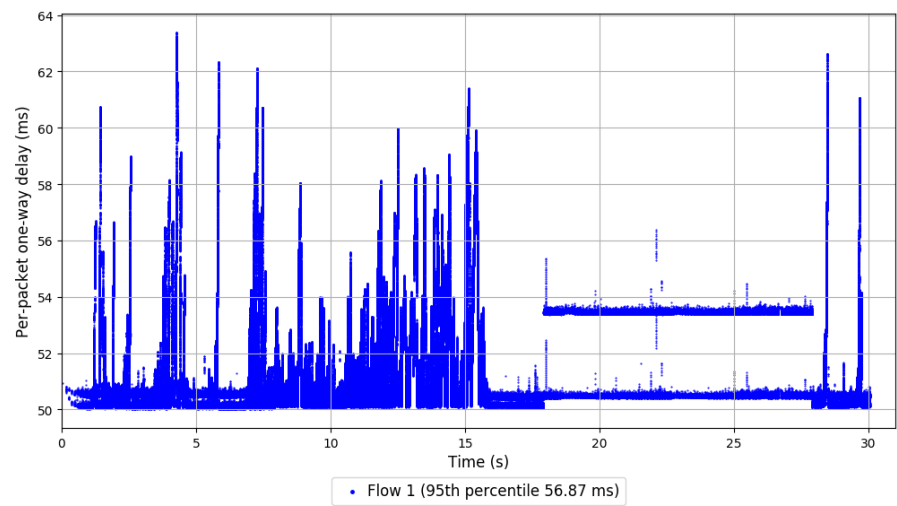
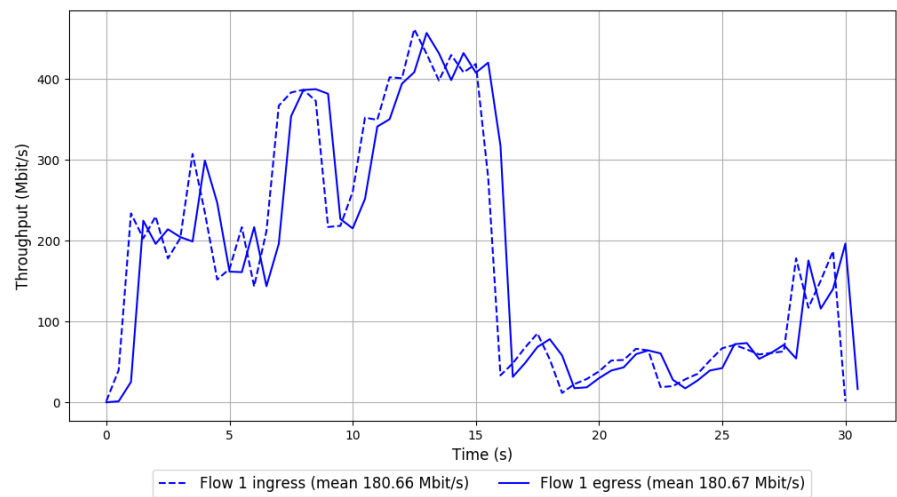
-- Flow 1:

Average throughput: 180.67 Mbit/s

95th percentile per-packet one-way delay: 56.866 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

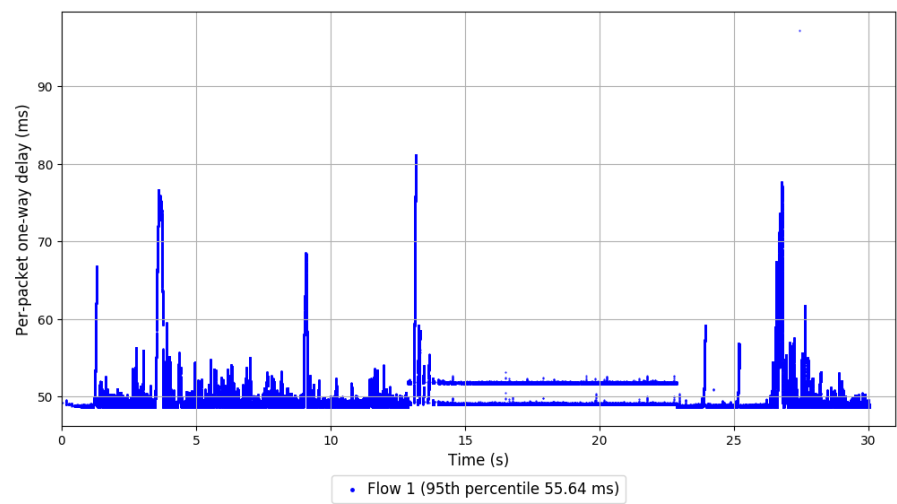
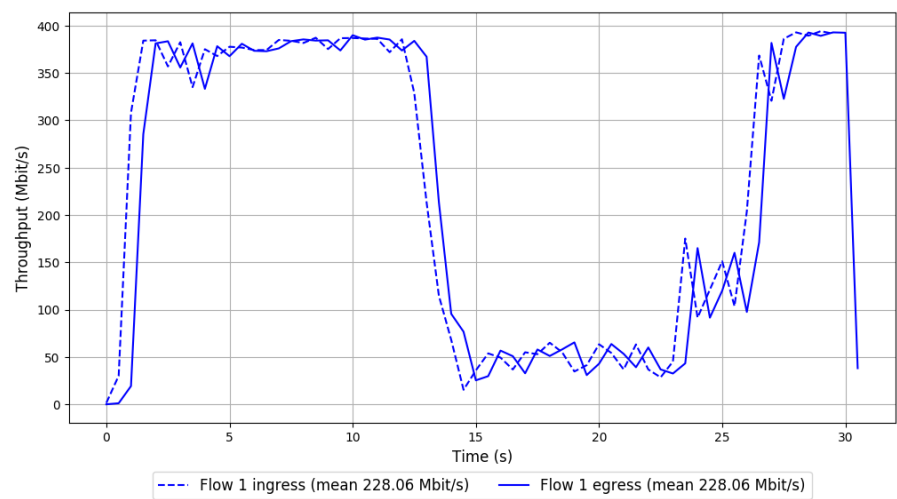


Run 10: Statistics of Copa

Start at: 2018-07-05 16:08:26
End at: 2018-07-05 16:08:56
Local clock offset: -0.003 ms
Remote clock offset: -1.417 ms

Below is generated by plot.py at 2018-07-05 16:52:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.06 Mbit/s
95th percentile per-packet one-way delay: 55.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.06 Mbit/s
95th percentile per-packet one-way delay: 55.641 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-05 13:07:12

End at: 2018-07-05 13:07:42

Local clock offset: -0.022 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-05 16:52:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.79 Mbit/s

95th percentile per-packet one-way delay: 51.887 ms

Loss rate: 0.00%

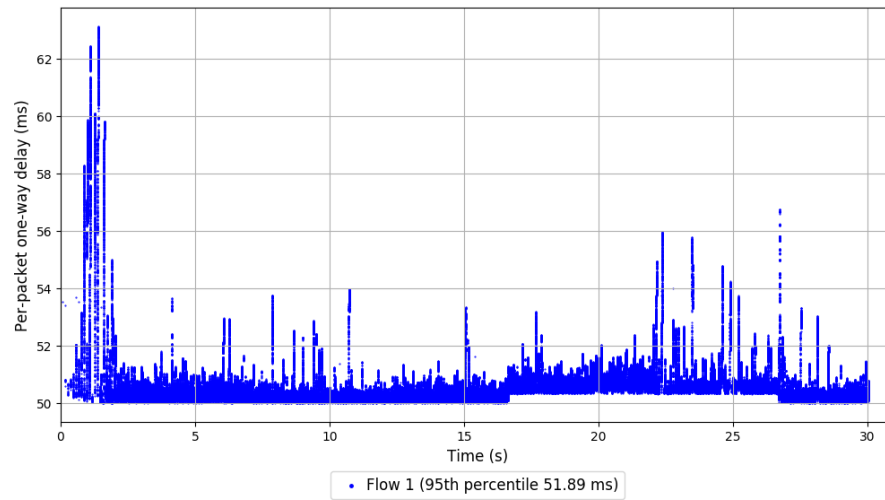
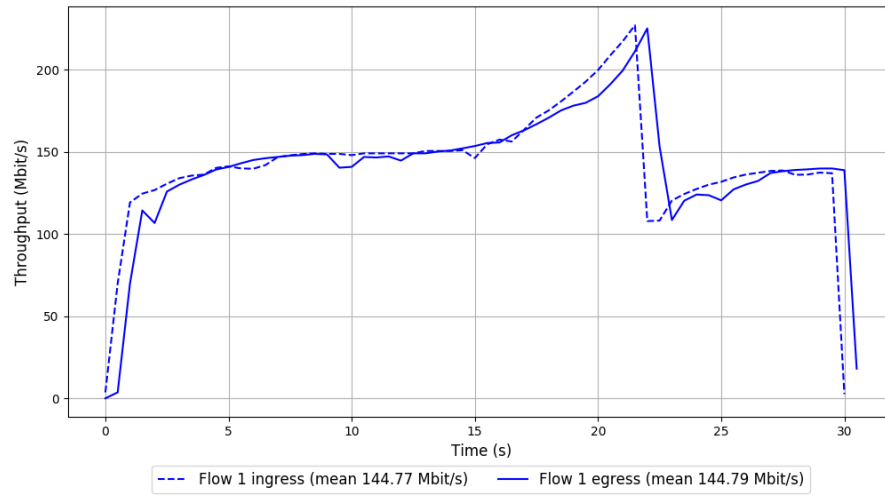
-- Flow 1:

Average throughput: 144.79 Mbit/s

95th percentile per-packet one-way delay: 51.887 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-05 13:28:33

End at: 2018-07-05 13:29:03

Local clock offset: 0.247 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-07-05 16:52:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.78 Mbit/s

95th percentile per-packet one-way delay: 52.209 ms

Loss rate: 0.00%

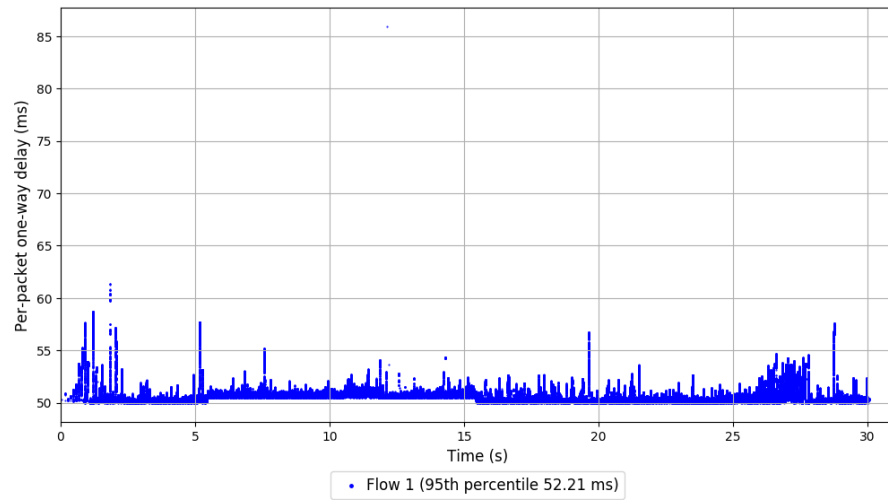
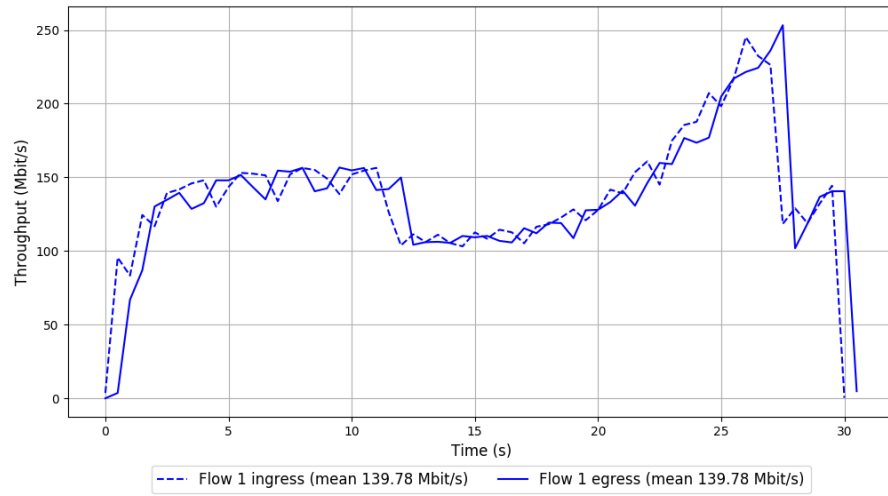
-- Flow 1:

Average throughput: 139.78 Mbit/s

95th percentile per-packet one-way delay: 52.209 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

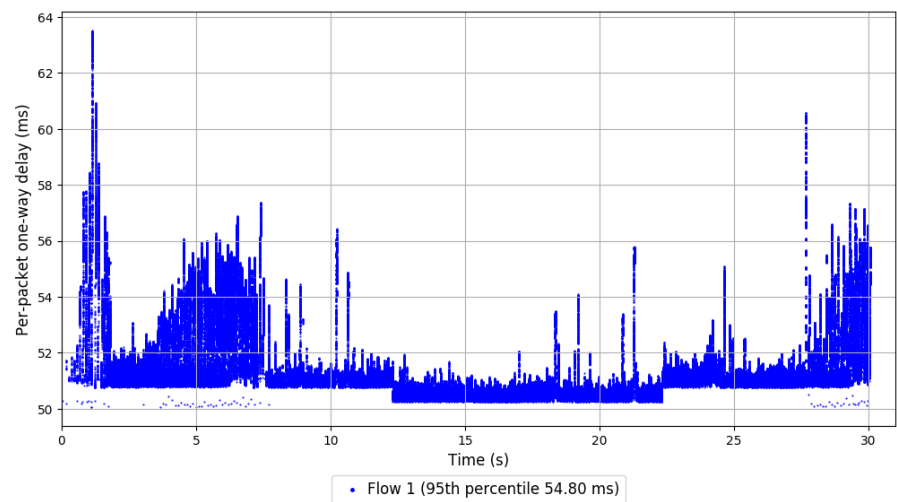
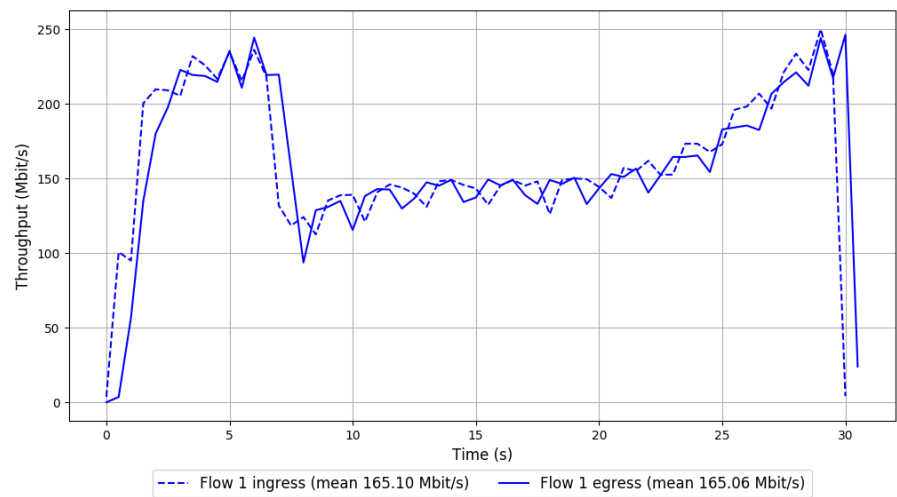


Run 3: Statistics of TCP Cubic

Start at: 2018-07-05 13:50:36
End at: 2018-07-05 13:51:06
Local clock offset: -0.191 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-05 16:52:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.06 Mbit/s
95th percentile per-packet one-way delay: 54.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.06 Mbit/s
95th percentile per-packet one-way delay: 54.796 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

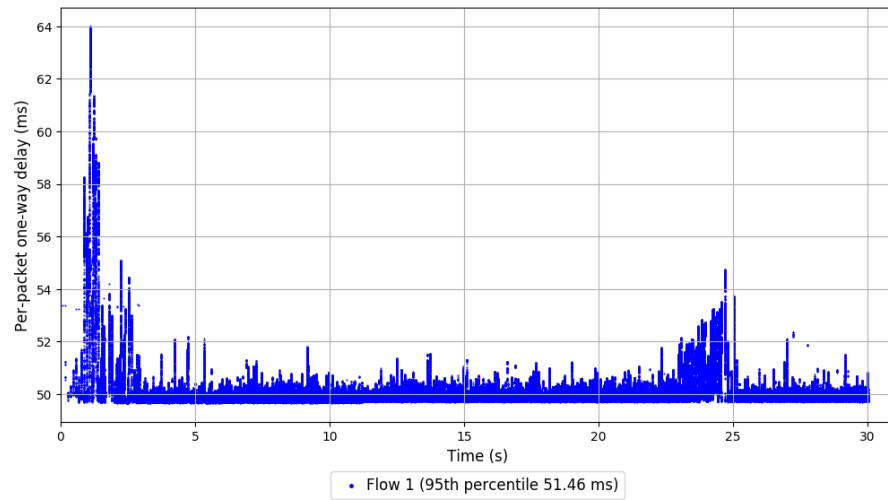
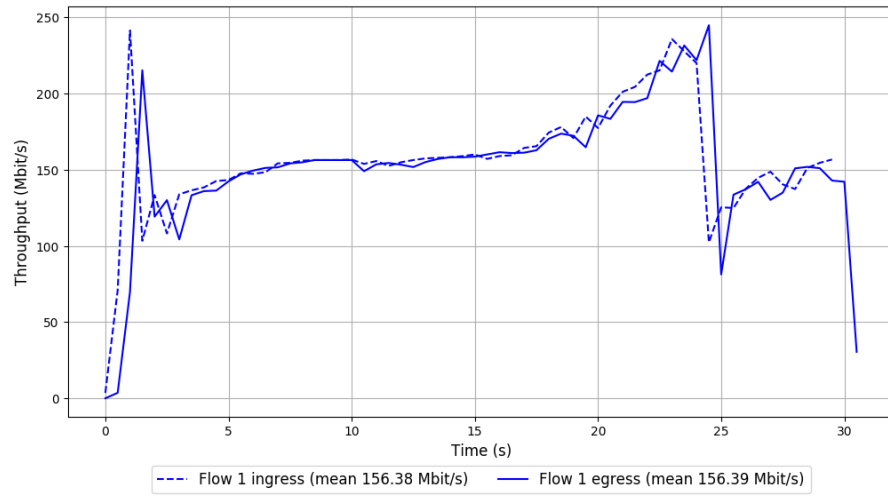


Run 4: Statistics of TCP Cubic

Start at: 2018-07-05 14:12:28
End at: 2018-07-05 14:12:58
Local clock offset: 0.154 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-05 16:52:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.39 Mbit/s
95th percentile per-packet one-way delay: 51.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.39 Mbit/s
95th percentile per-packet one-way delay: 51.457 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-05 14:34:29

End at: 2018-07-05 14:34:59

Local clock offset: 0.108 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-07-05 16:52:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.35 Mbit/s

95th percentile per-packet one-way delay: 53.594 ms

Loss rate: 0.00%

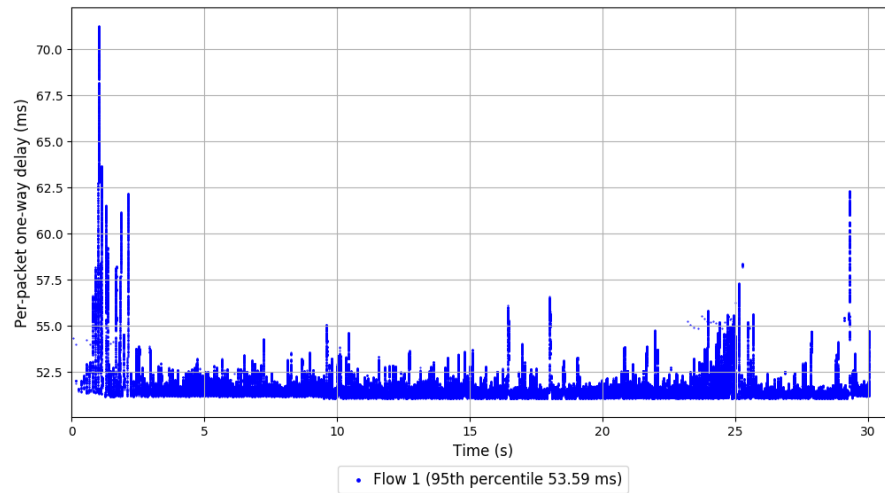
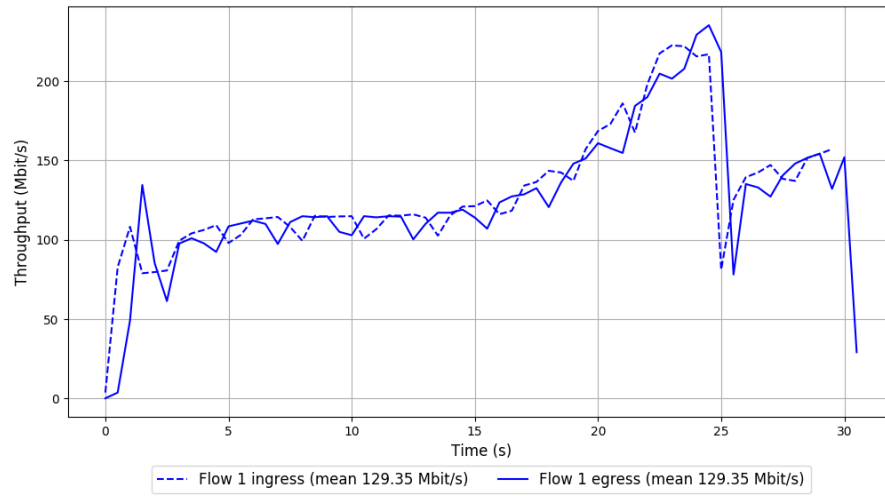
-- Flow 1:

Average throughput: 129.35 Mbit/s

95th percentile per-packet one-way delay: 53.594 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-05 14:56:13

End at: 2018-07-05 14:56:43

Local clock offset: -0.067 ms

Remote clock offset: 1.436 ms

Below is generated by plot.py at 2018-07-05 16:52:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.85 Mbit/s

95th percentile per-packet one-way delay: 52.822 ms

Loss rate: 0.00%

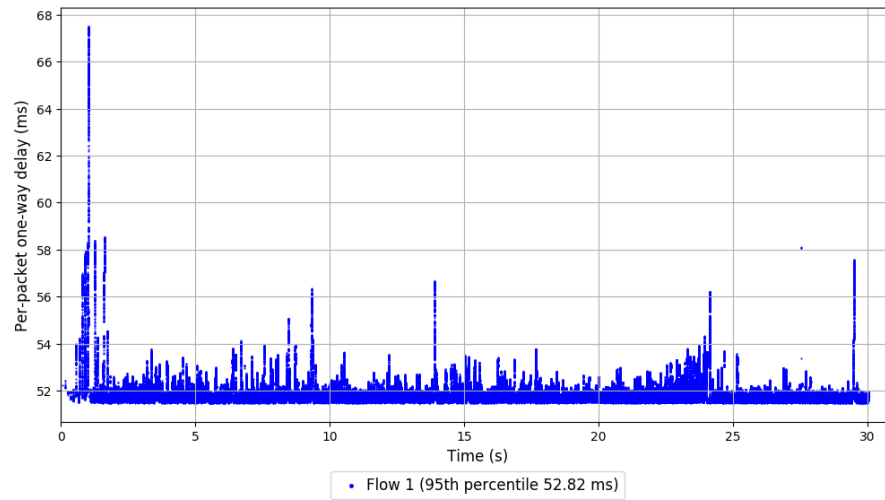
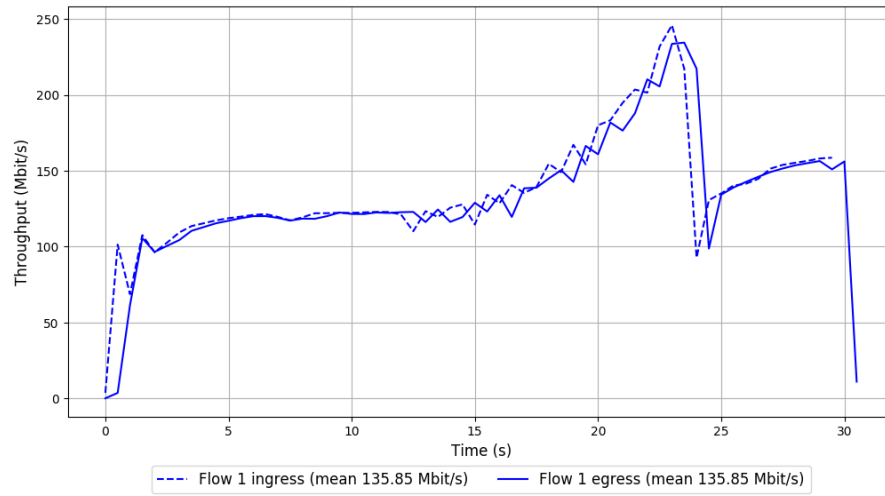
-- Flow 1:

Average throughput: 135.85 Mbit/s

95th percentile per-packet one-way delay: 52.822 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

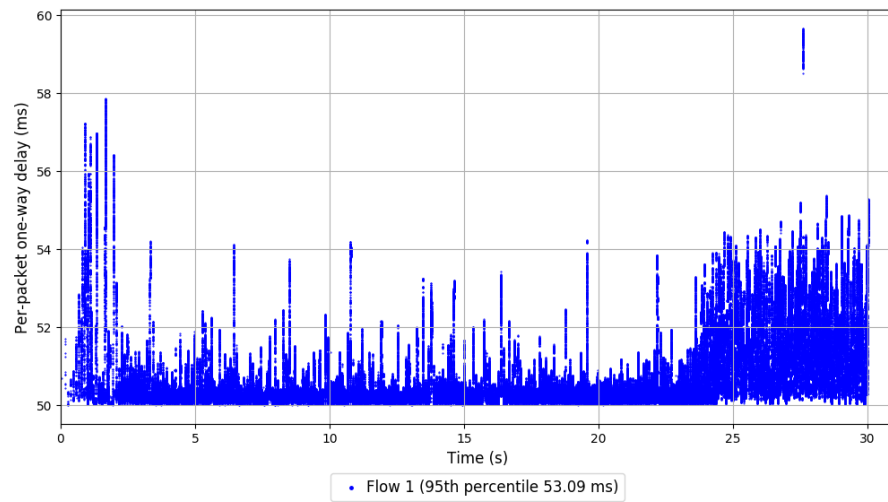
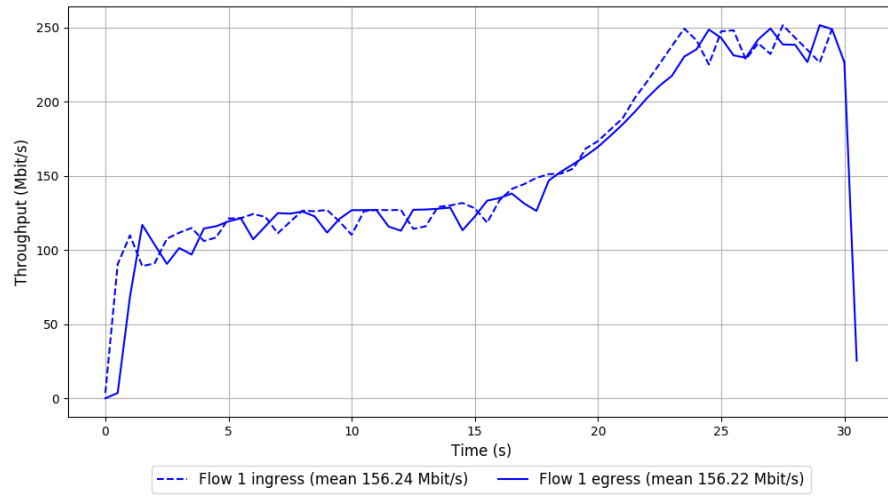


Run 7: Statistics of TCP Cubic

Start at: 2018-07-05 15:17:58
End at: 2018-07-05 15:18:28
Local clock offset: -0.018 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-05 16:52:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.22 Mbit/s
95th percentile per-packet one-way delay: 53.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.22 Mbit/s
95th percentile per-packet one-way delay: 53.089 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-05 15:39:47

End at: 2018-07-05 15:40:17

Local clock offset: -0.08 ms

Remote clock offset: 1.339 ms

Below is generated by plot.py at 2018-07-05 16:52:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.68 Mbit/s

95th percentile per-packet one-way delay: 52.846 ms

Loss rate: 0.00%

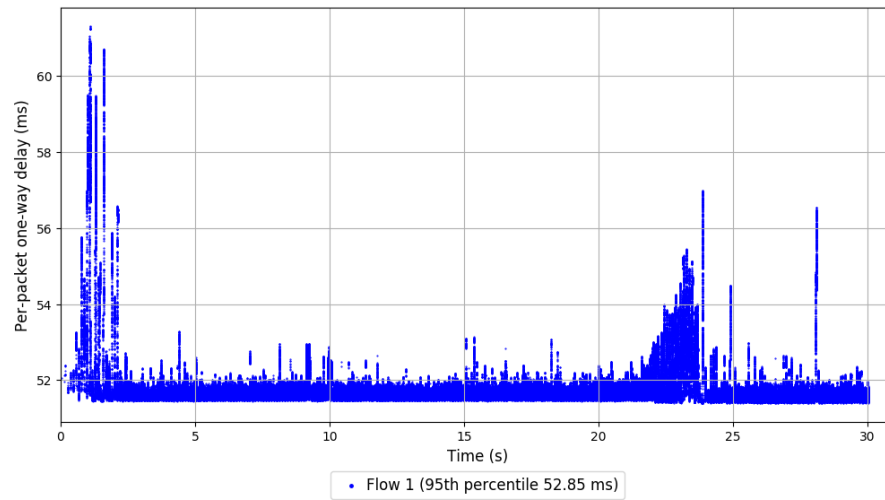
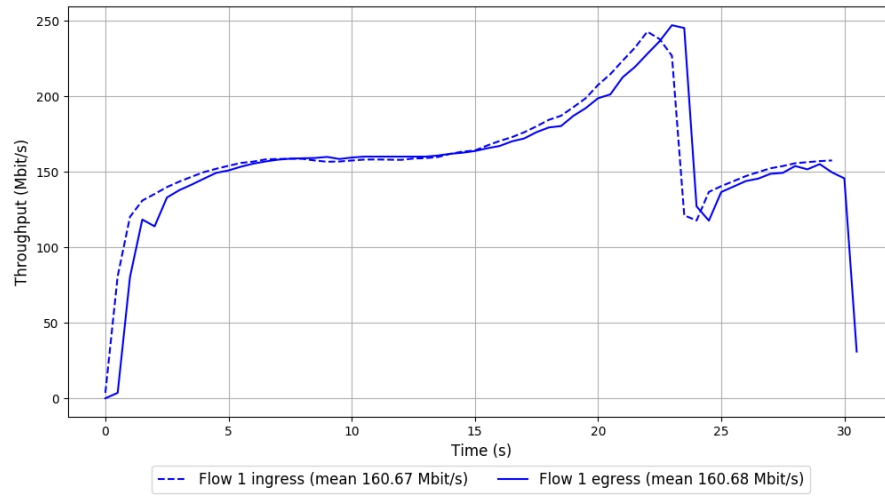
-- Flow 1:

Average throughput: 160.68 Mbit/s

95th percentile per-packet one-way delay: 52.846 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-05 16:02:01

End at: 2018-07-05 16:02:31

Local clock offset: 0.02 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-05 16:52:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.87 Mbit/s

95th percentile per-packet one-way delay: 54.155 ms

Loss rate: 0.00%

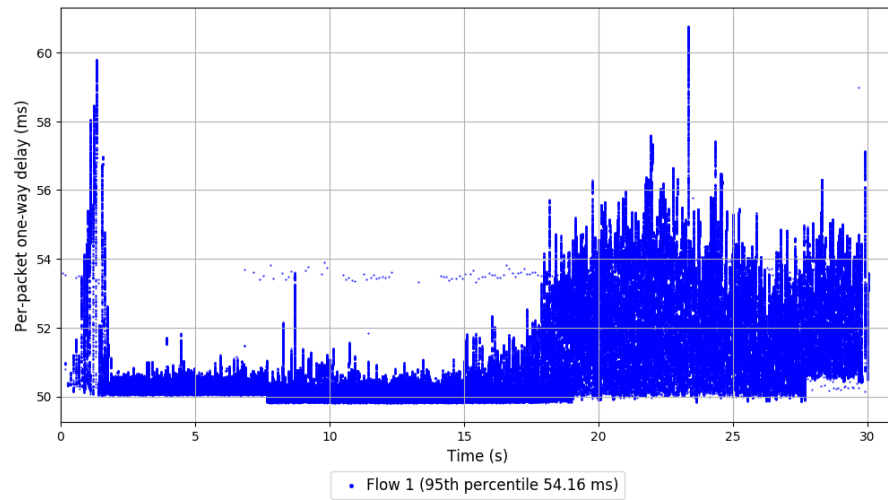
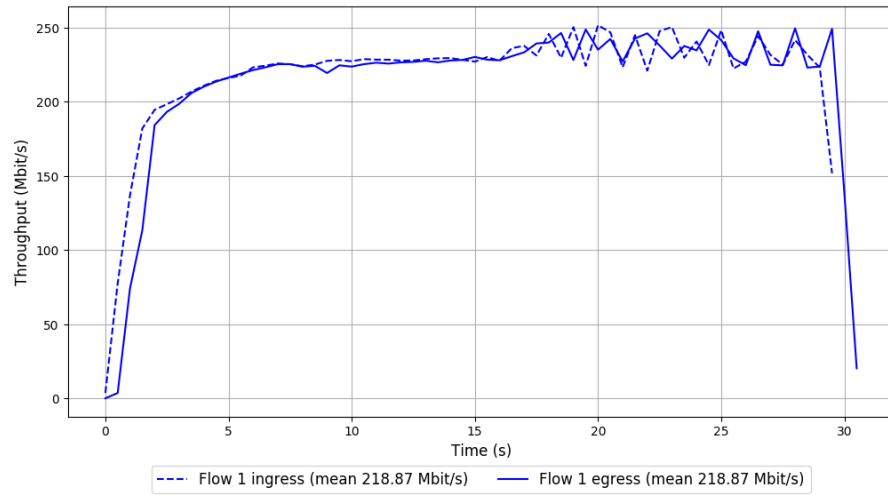
-- Flow 1:

Average throughput: 218.87 Mbit/s

95th percentile per-packet one-way delay: 54.155 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-05 16:24:07

End at: 2018-07-05 16:24:37

Local clock offset: 0.02 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-05 16:52:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.54 Mbit/s

95th percentile per-packet one-way delay: 54.805 ms

Loss rate: 0.00%

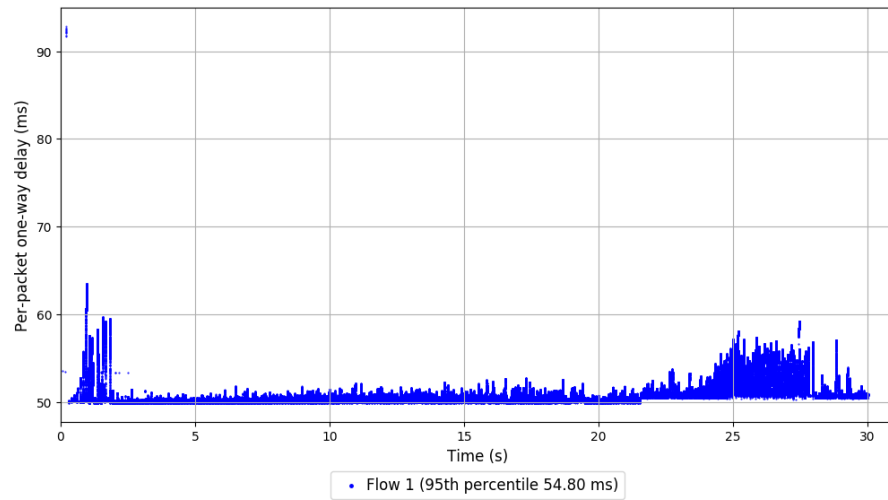
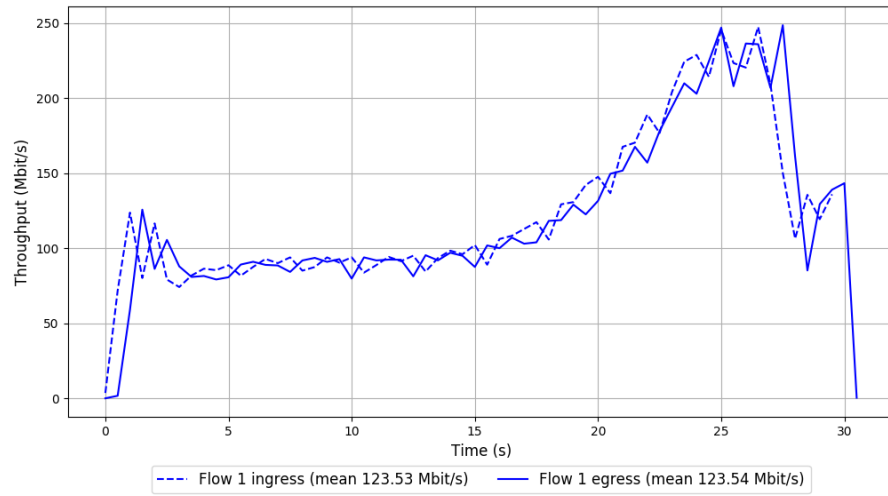
-- Flow 1:

Average throughput: 123.54 Mbit/s

95th percentile per-packet one-way delay: 54.805 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

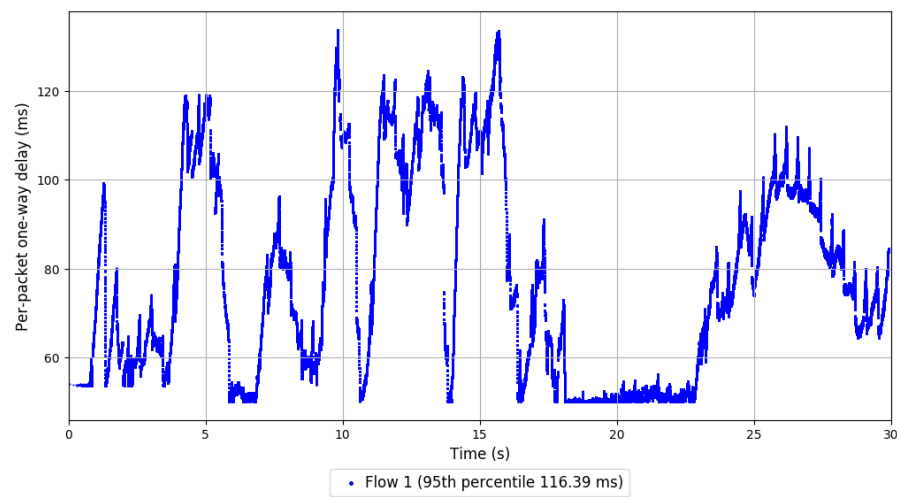
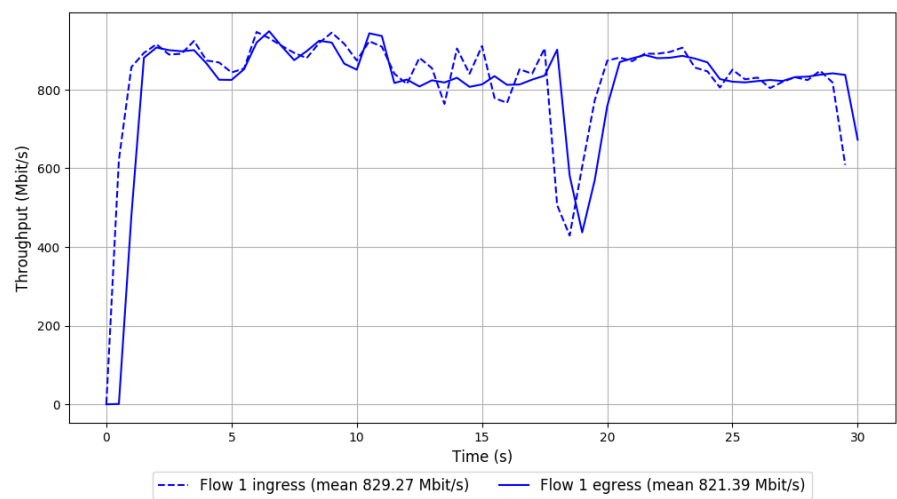


Run 1: Statistics of FillP

Start at: 2018-07-05 13:08:25
End at: 2018-07-05 13:08:55
Local clock offset: 0.107 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-05 17:08:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 821.39 Mbit/s
95th percentile per-packet one-way delay: 116.387 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 821.39 Mbit/s
95th percentile per-packet one-way delay: 116.387 ms
Loss rate: 0.95%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-05 13:29:46

End at: 2018-07-05 13:30:16

Local clock offset: -0.173 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-05 17:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 867.37 Mbit/s

95th percentile per-packet one-way delay: 169.810 ms

Loss rate: 0.61%

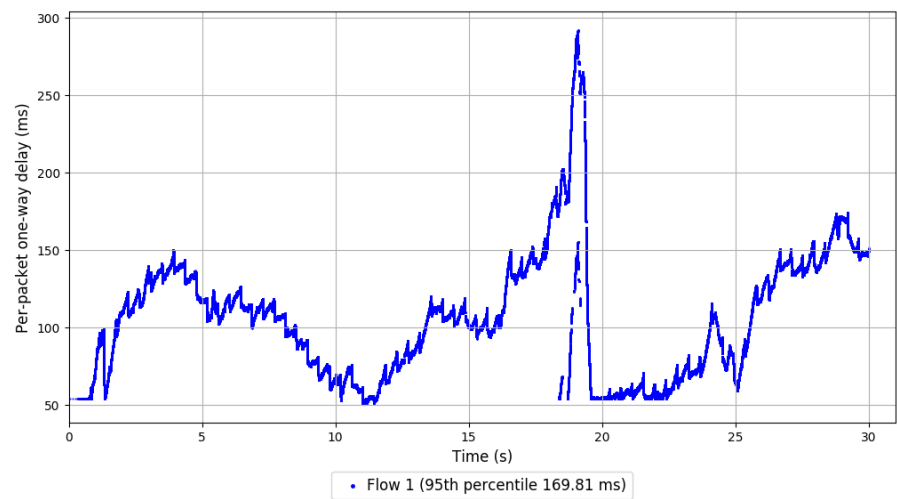
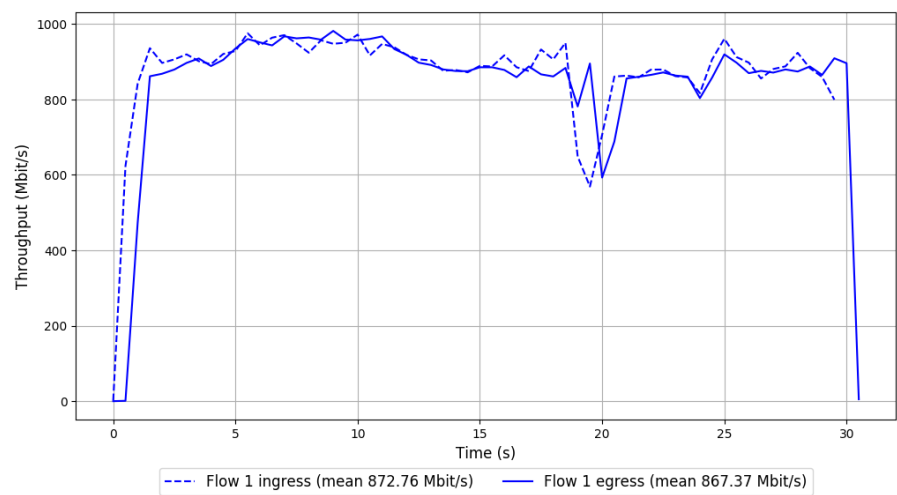
-- Flow 1:

Average throughput: 867.37 Mbit/s

95th percentile per-packet one-way delay: 169.810 ms

Loss rate: 0.61%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-05 13:51:50

End at: 2018-07-05 13:52:20

Local clock offset: -0.103 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-05 17:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.97 Mbit/s

95th percentile per-packet one-way delay: 144.986 ms

Loss rate: 3.27%

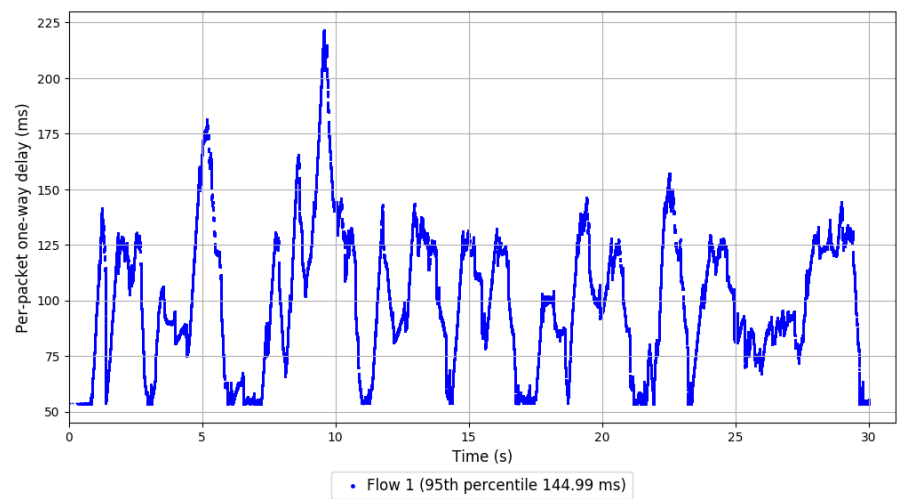
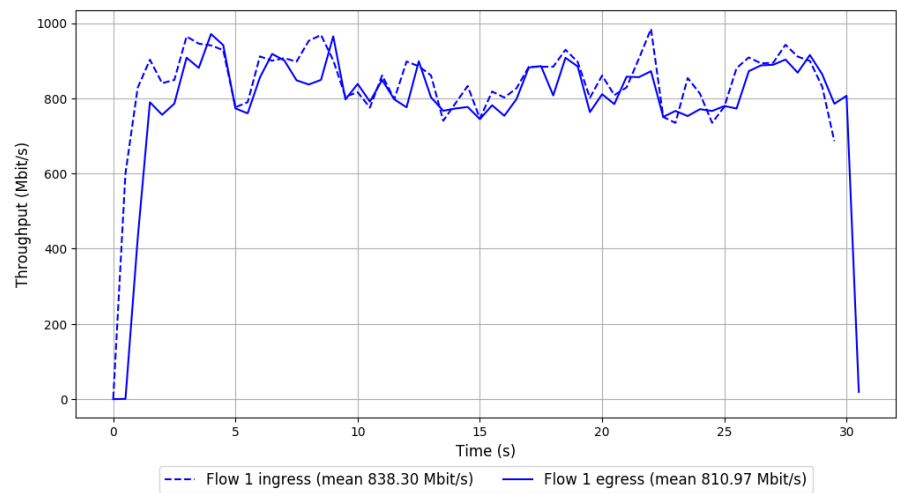
-- Flow 1:

Average throughput: 810.97 Mbit/s

95th percentile per-packet one-way delay: 144.986 ms

Loss rate: 3.27%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-05 14:13:41

End at: 2018-07-05 14:14:11

Local clock offset: -0.147 ms

Remote clock offset: -1.2 ms

Below is generated by plot.py at 2018-07-05 17:09:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 874.86 Mbit/s

95th percentile per-packet one-way delay: 121.381 ms

Loss rate: 1.48%

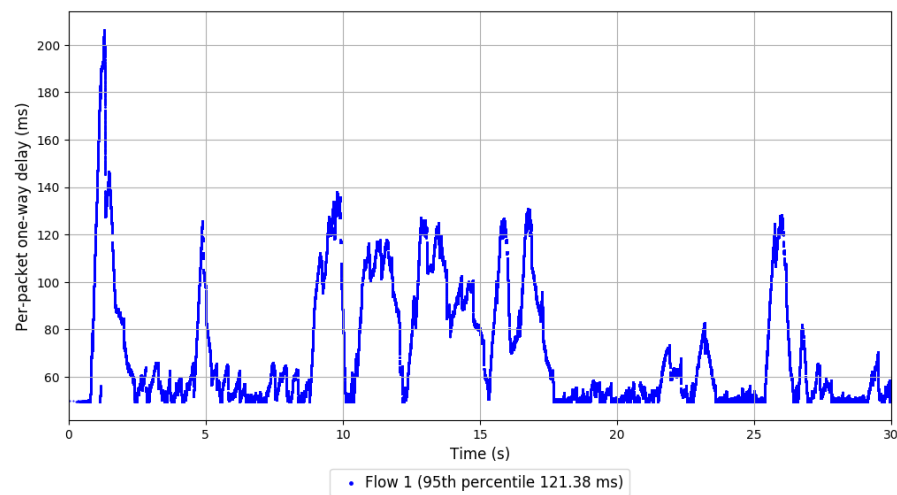
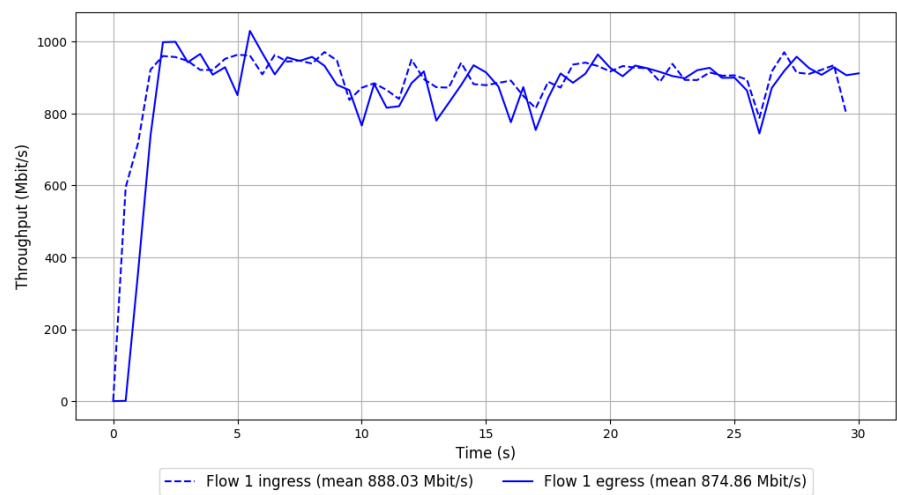
-- Flow 1:

Average throughput: 874.86 Mbit/s

95th percentile per-packet one-way delay: 121.381 ms

Loss rate: 1.48%

Run 4: Report of FillP — Data Link

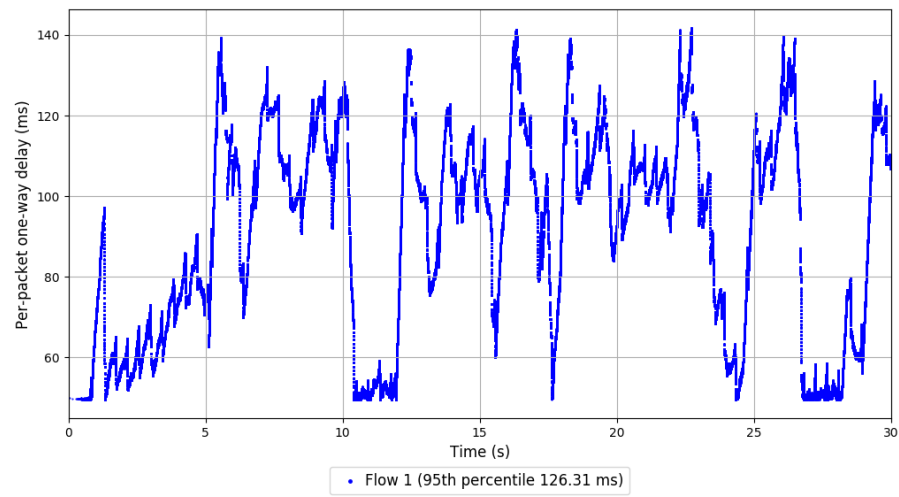
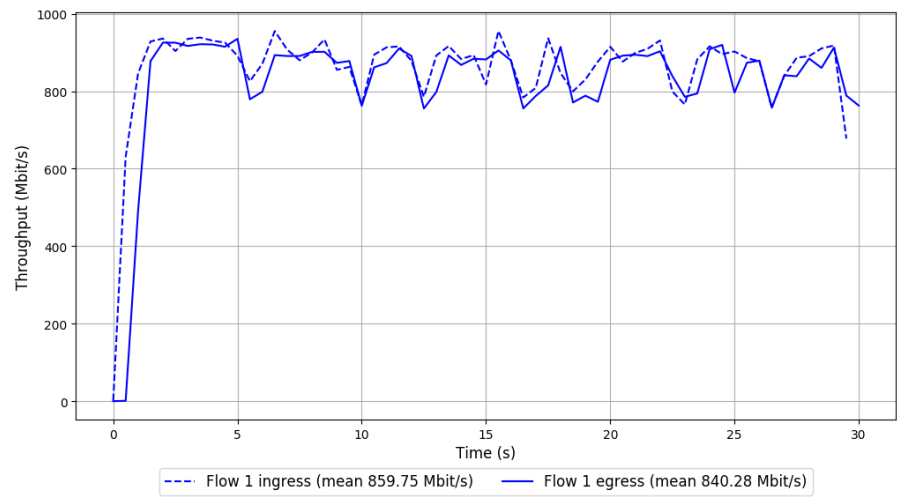


Run 5: Statistics of FillP

Start at: 2018-07-05 14:35:41
End at: 2018-07-05 14:36:11
Local clock offset: -0.185 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-07-05 17:09:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.28 Mbit/s
95th percentile per-packet one-way delay: 126.309 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 840.28 Mbit/s
95th percentile per-packet one-way delay: 126.309 ms
Loss rate: 2.25%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-05 14:57:25

End at: 2018-07-05 14:57:56

Local clock offset: 0.154 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-05 17:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 821.68 Mbit/s

95th percentile per-packet one-way delay: 221.049 ms

Loss rate: 1.09%

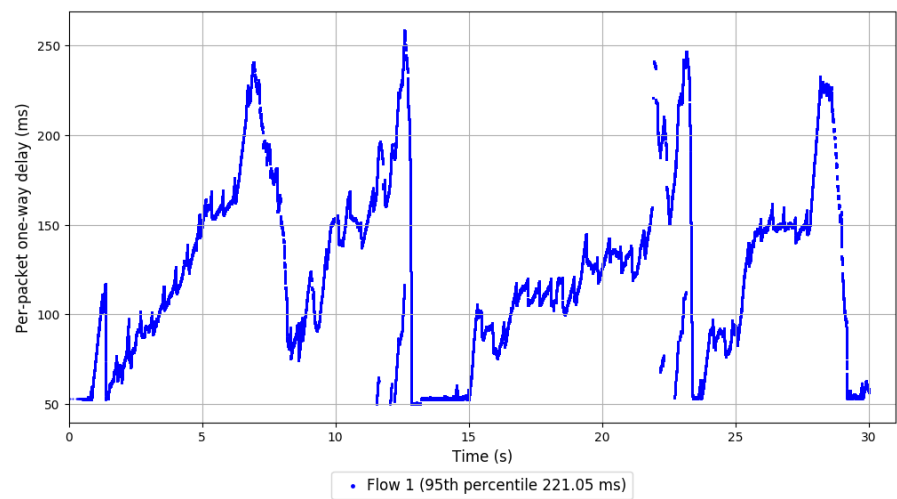
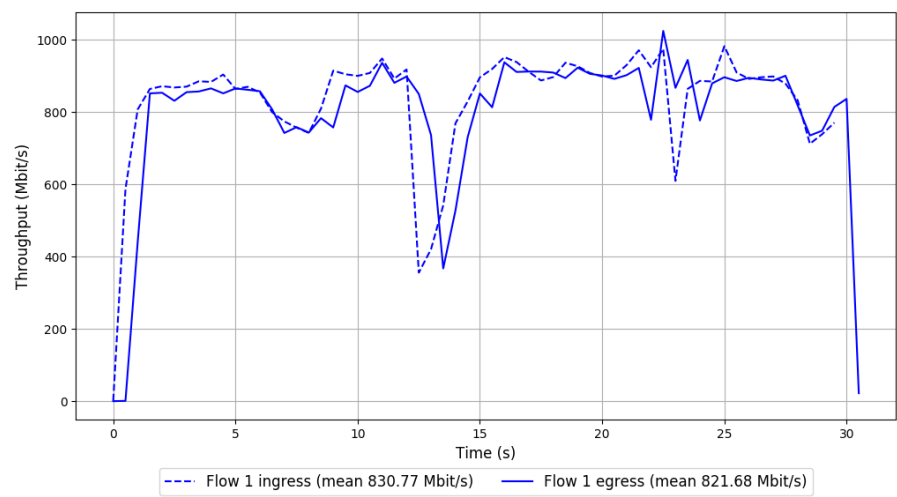
-- Flow 1:

Average throughput: 821.68 Mbit/s

95th percentile per-packet one-way delay: 221.049 ms

Loss rate: 1.09%

Run 6: Report of FillP — Data Link

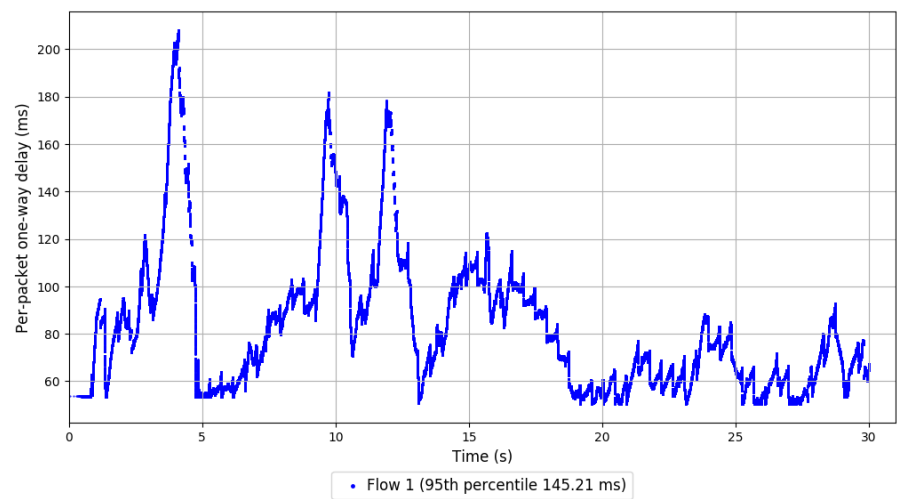
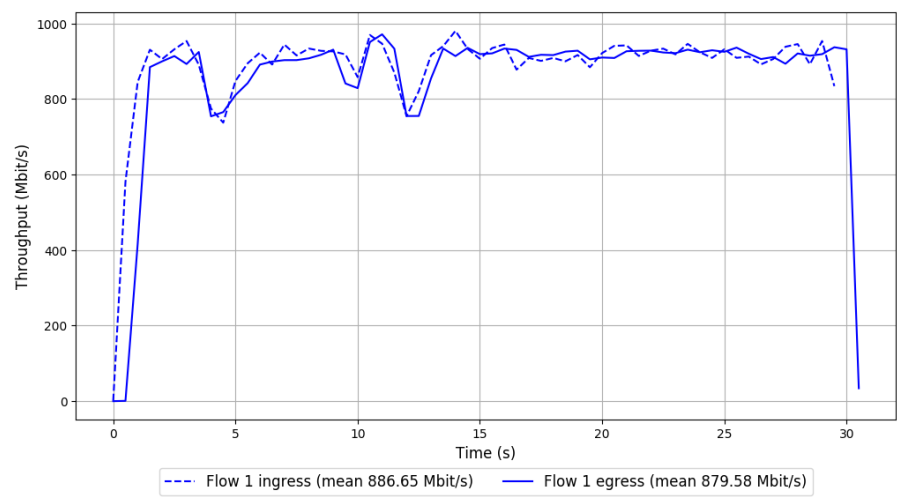


Run 7: Statistics of FillP

Start at: 2018-07-05 15:19:11
End at: 2018-07-05 15:19:41
Local clock offset: -0.058 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-05 17:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.58 Mbit/s
95th percentile per-packet one-way delay: 145.210 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 879.58 Mbit/s
95th percentile per-packet one-way delay: 145.210 ms
Loss rate: 0.79%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-05 15:41:00

End at: 2018-07-05 15:41:30

Local clock offset: 0.002 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-05 17:11:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 853.50 Mbit/s

95th percentile per-packet one-way delay: 182.410 ms

Loss rate: 0.51%

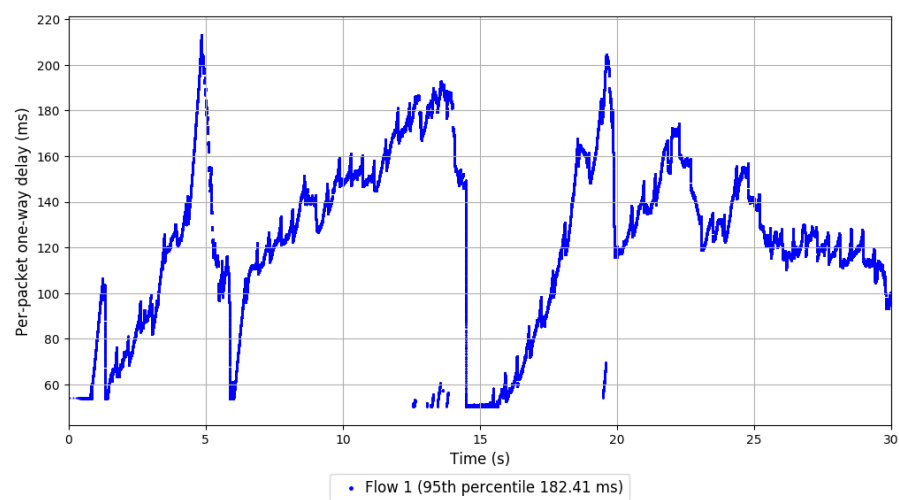
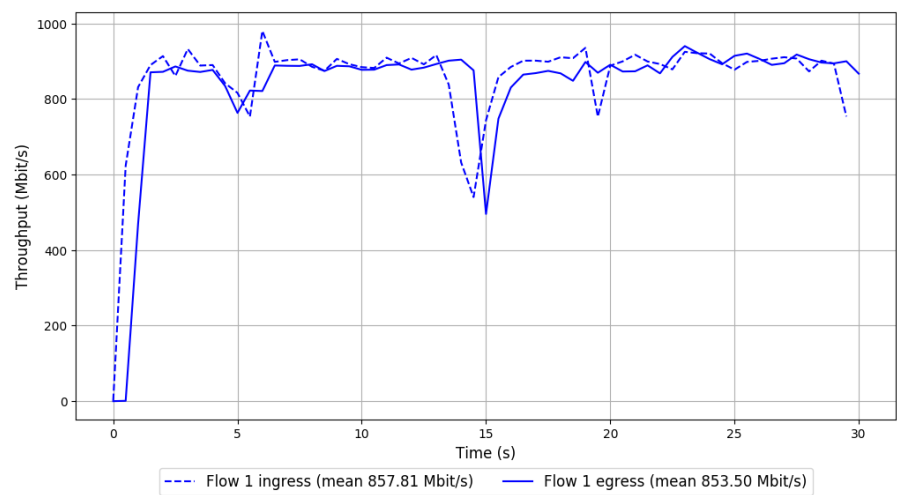
-- Flow 1:

Average throughput: 853.50 Mbit/s

95th percentile per-packet one-way delay: 182.410 ms

Loss rate: 0.51%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-05 16:03:17

End at: 2018-07-05 16:03:47

Local clock offset: 0.009 ms

Remote clock offset: 0.03 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 878.31 Mbit/s

95th percentile per-packet one-way delay: 154.504 ms

Loss rate: 1.25%

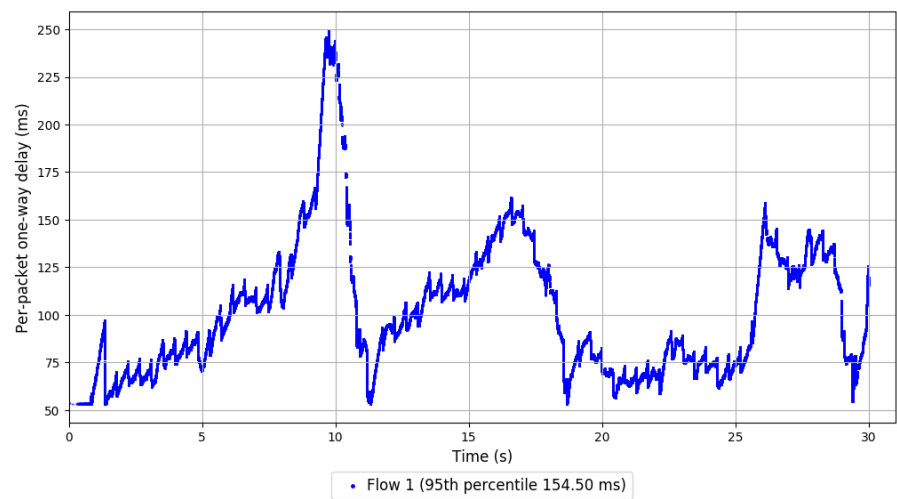
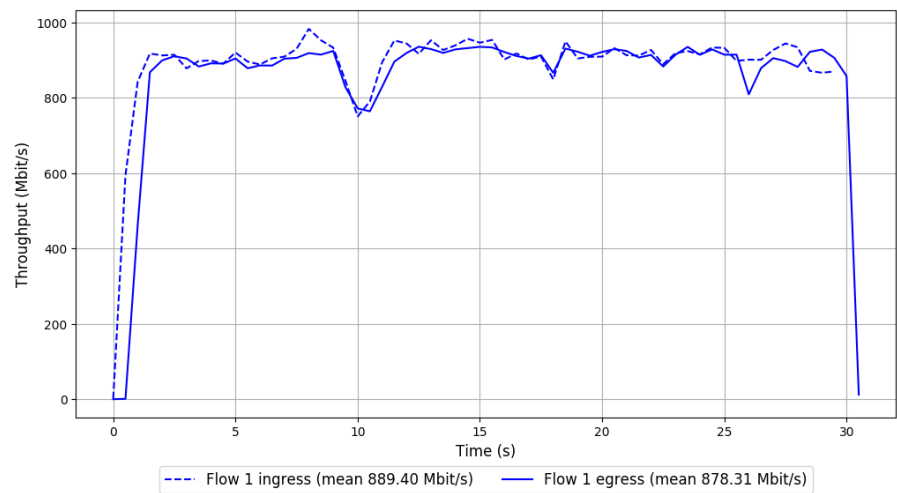
-- Flow 1:

Average throughput: 878.31 Mbit/s

95th percentile per-packet one-way delay: 154.504 ms

Loss rate: 1.25%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-05 16:25:19

End at: 2018-07-05 16:25:49

Local clock offset: 0.029 ms

Remote clock offset: 0.006 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 836.26 Mbit/s

95th percentile per-packet one-way delay: 185.486 ms

Loss rate: 2.64%

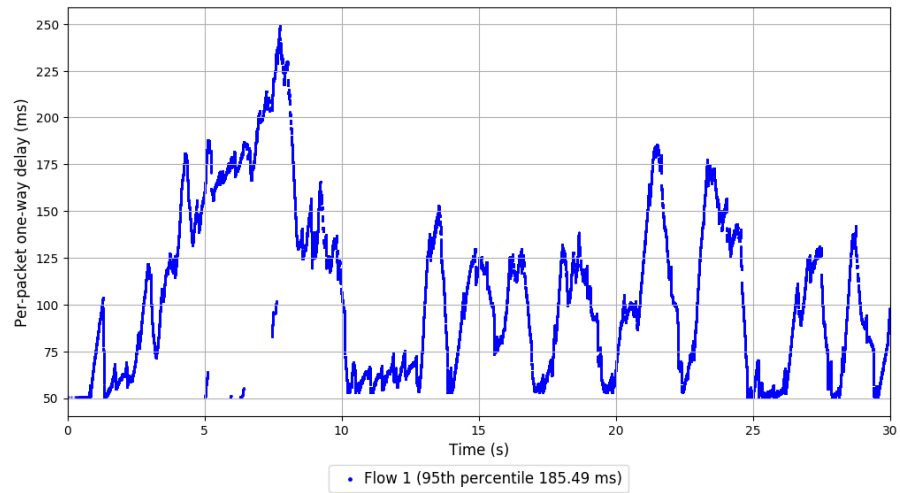
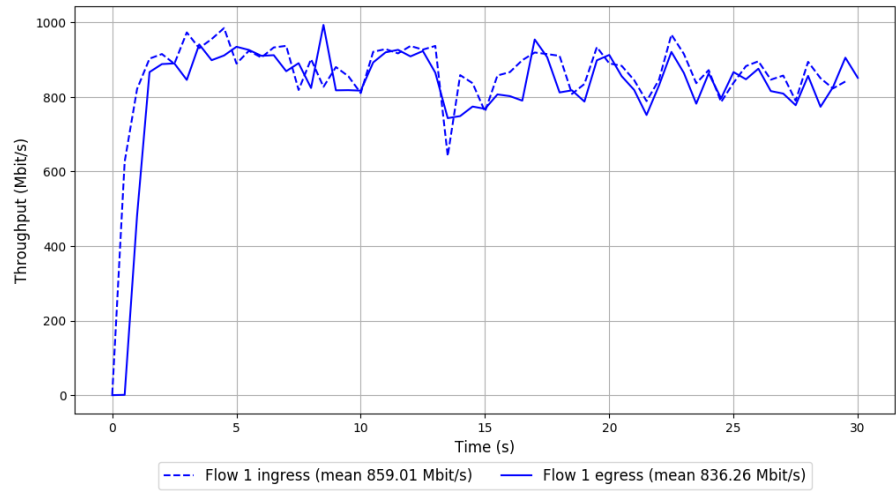
-- Flow 1:

Average throughput: 836.26 Mbit/s

95th percentile per-packet one-way delay: 185.486 ms

Loss rate: 2.64%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-05 13:05:58

End at: 2018-07-05 13:06:28

Local clock offset: 0.162 ms

Remote clock offset: 0.096 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.21 Mbit/s

95th percentile per-packet one-way delay: 263.765 ms

Loss rate: 6.07%

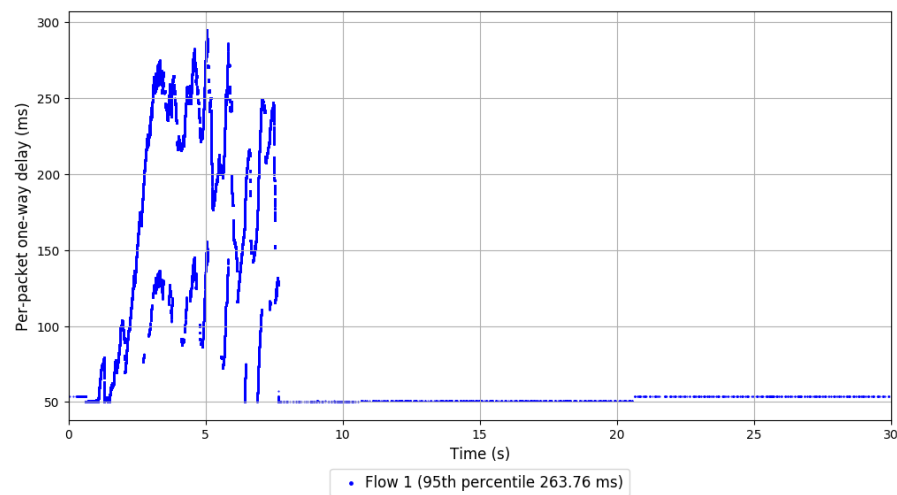
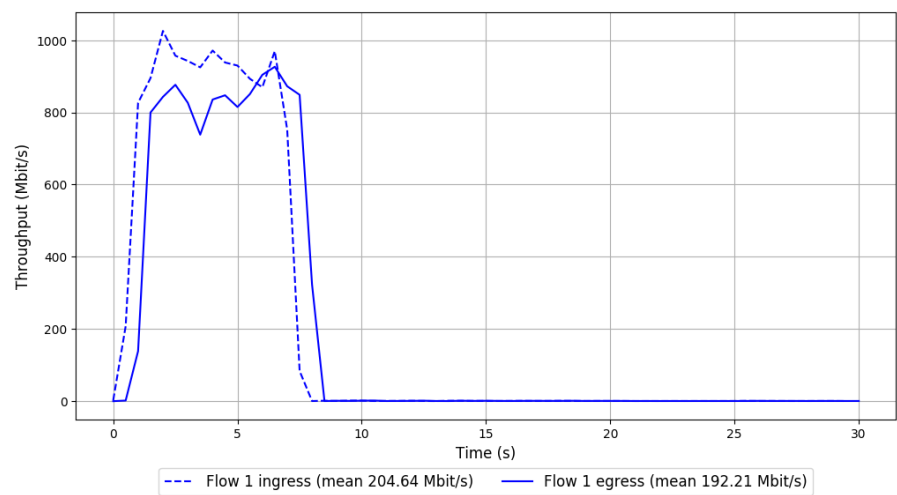
-- Flow 1:

Average throughput: 192.21 Mbit/s

95th percentile per-packet one-way delay: 263.765 ms

Loss rate: 6.07%

Run 1: Report of FillP-Sheep — Data Link

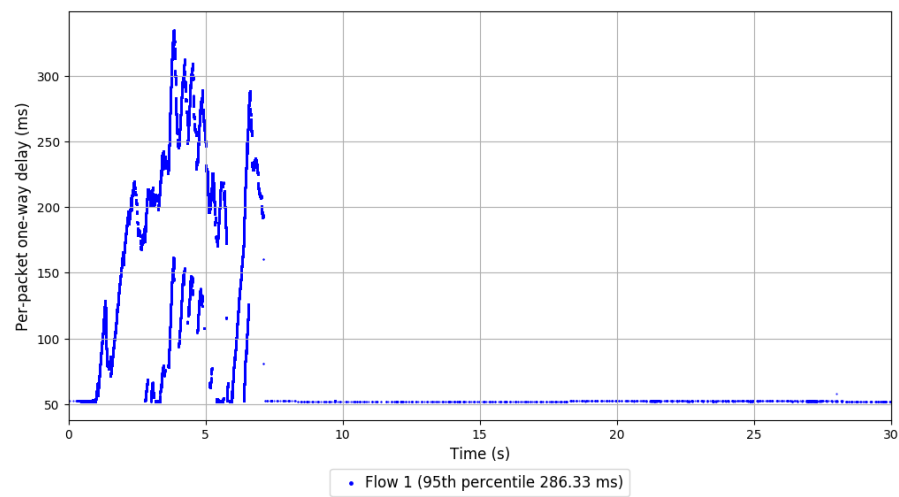
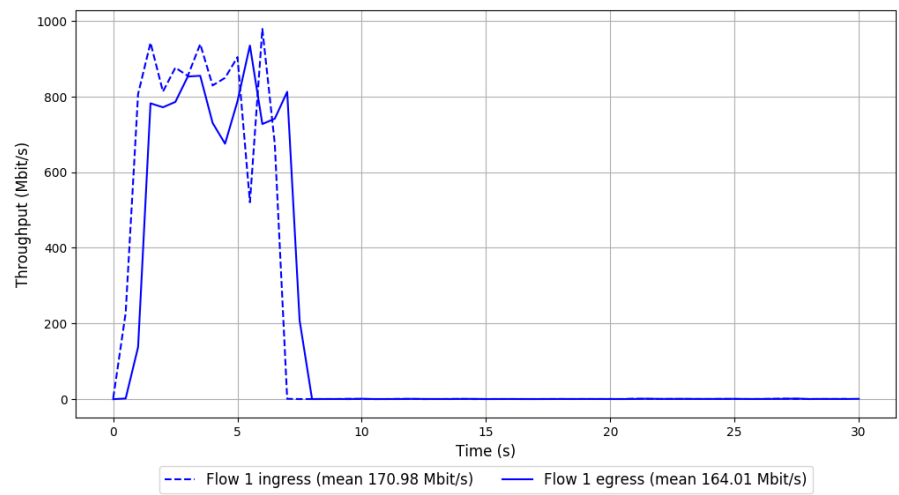


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-05 13:27:20
End at: 2018-07-05 13:27:50
Local clock offset: -0.038 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2018-07-05 17:26:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.01 Mbit/s
95th percentile per-packet one-way delay: 286.326 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 164.01 Mbit/s
95th percentile per-packet one-way delay: 286.326 ms
Loss rate: 4.07%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-05 13:48:56

End at: 2018-07-05 13:49:26

Local clock offset: -0.021 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-07-05 17:26:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 821.97 Mbit/s

95th percentile per-packet one-way delay: 256.118 ms

Loss rate: 6.37%

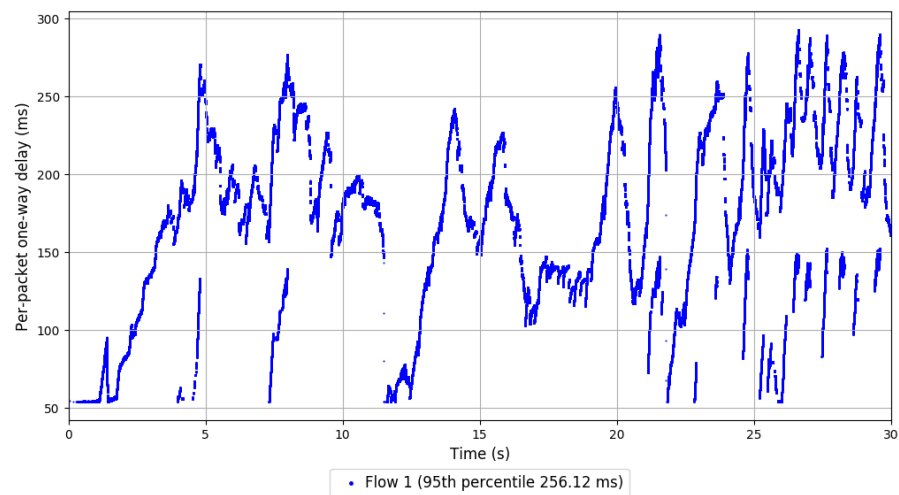
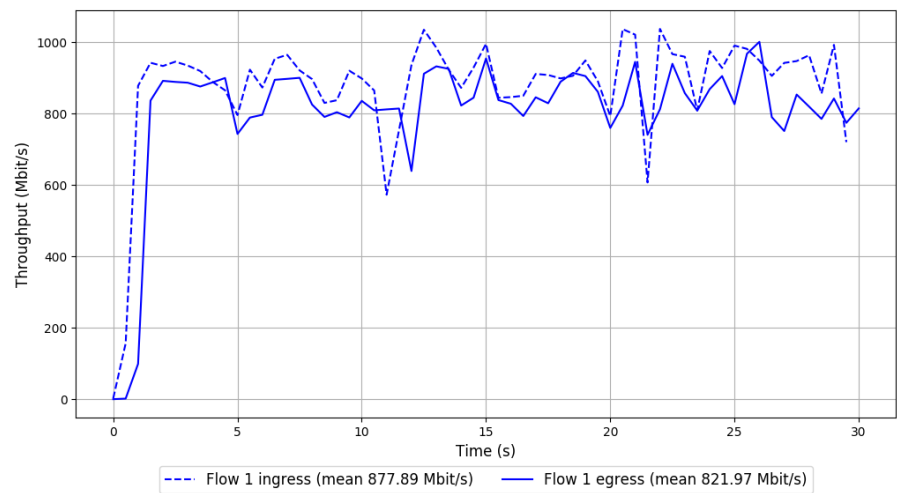
-- Flow 1:

Average throughput: 821.97 Mbit/s

95th percentile per-packet one-way delay: 256.118 ms

Loss rate: 6.37%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-05 14:10:46

End at: 2018-07-05 14:11:16

Local clock offset: -0.048 ms

Remote clock offset: 1.264 ms

Below is generated by plot.py at 2018-07-05 17:26:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 799.25 Mbit/s

95th percentile per-packet one-way delay: 131.522 ms

Loss rate: 7.15%

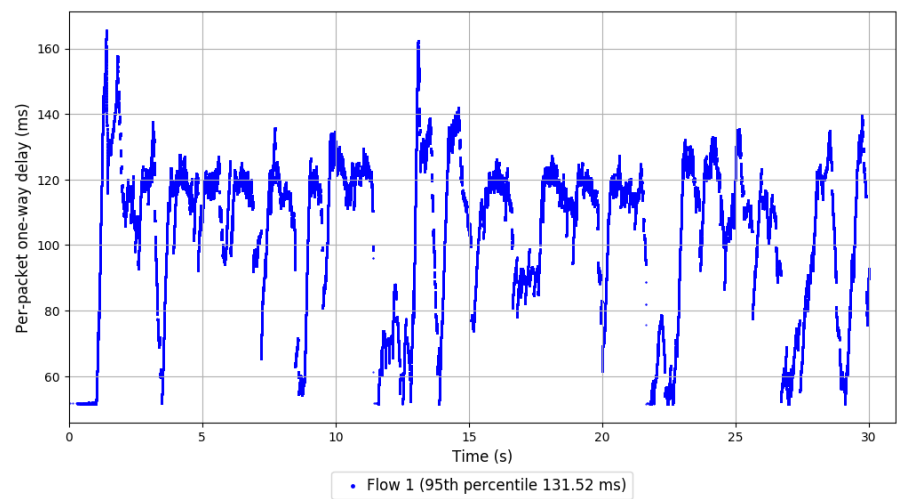
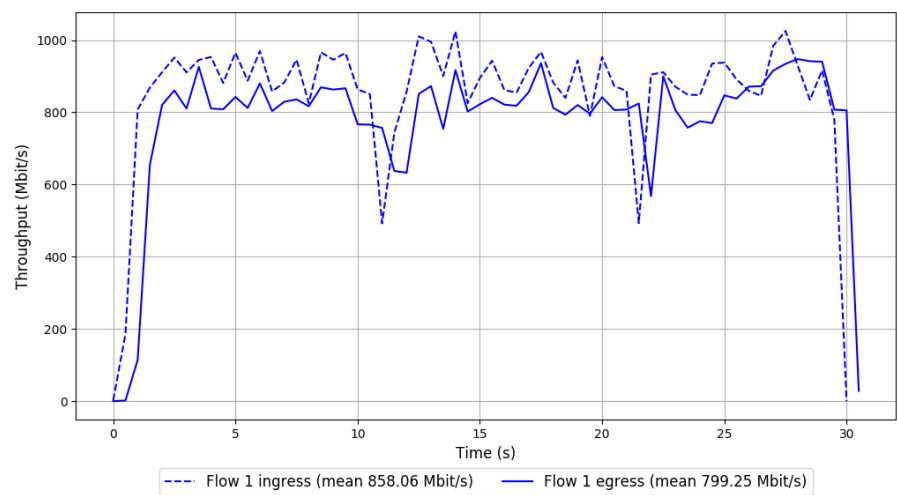
-- Flow 1:

Average throughput: 799.25 Mbit/s

95th percentile per-packet one-way delay: 131.522 ms

Loss rate: 7.15%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-05 14:32:47

End at: 2018-07-05 14:33:17

Local clock offset: -0.115 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-05 17:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 861.70 Mbit/s

95th percentile per-packet one-way delay: 246.030 ms

Loss rate: 4.03%

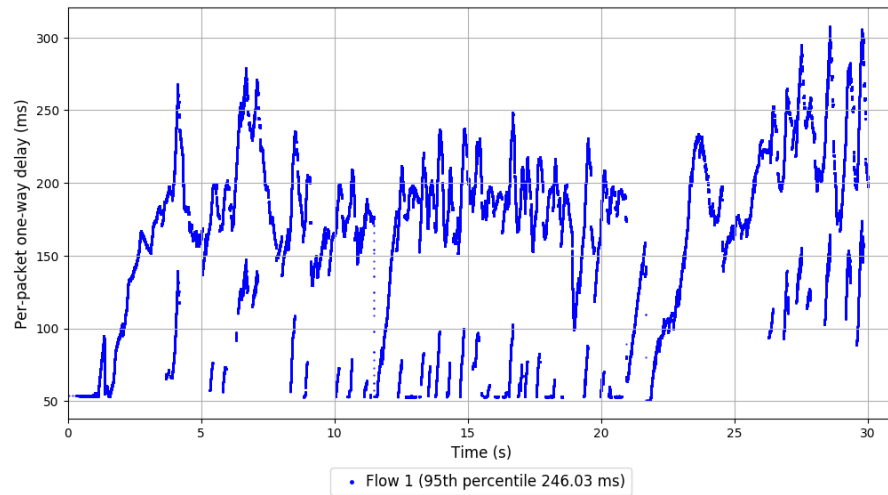
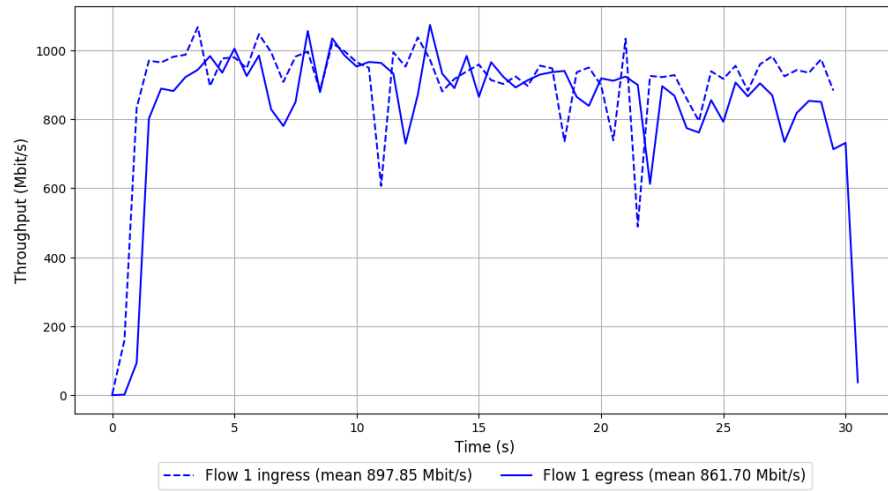
-- Flow 1:

Average throughput: 861.70 Mbit/s

95th percentile per-packet one-way delay: 246.030 ms

Loss rate: 4.03%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-05 14:54:33

End at: 2018-07-05 14:55:03

Local clock offset: -0.204 ms

Remote clock offset: 1.382 ms

Below is generated by plot.py at 2018-07-05 17:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 831.50 Mbit/s

95th percentile per-packet one-way delay: 241.957 ms

Loss rate: 3.61%

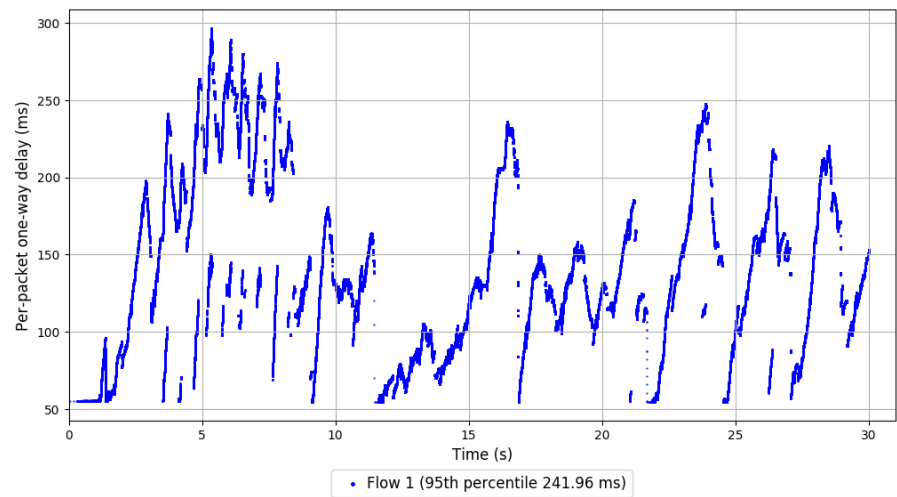
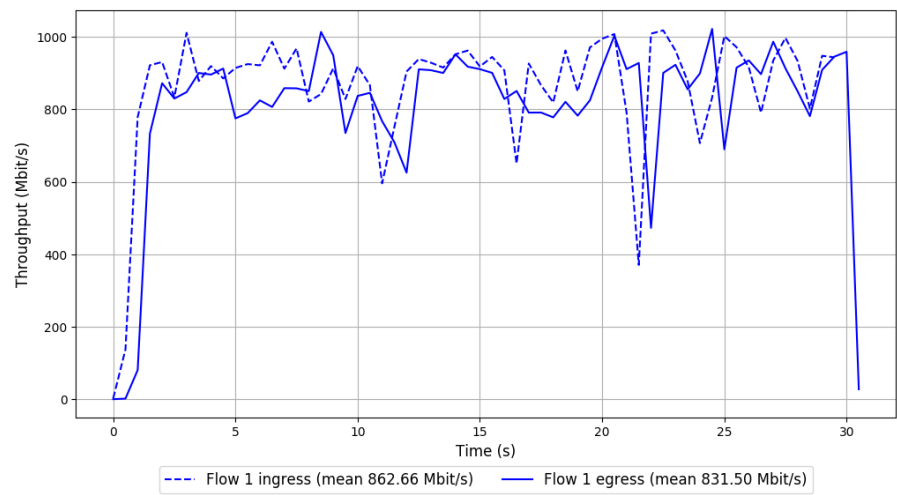
-- Flow 1:

Average throughput: 831.50 Mbit/s

95th percentile per-packet one-way delay: 241.957 ms

Loss rate: 3.61%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-05 15:16:17

End at: 2018-07-05 15:16:47

Local clock offset: 0.169 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-05 17:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 832.89 Mbit/s

95th percentile per-packet one-way delay: 226.231 ms

Loss rate: 3.33%

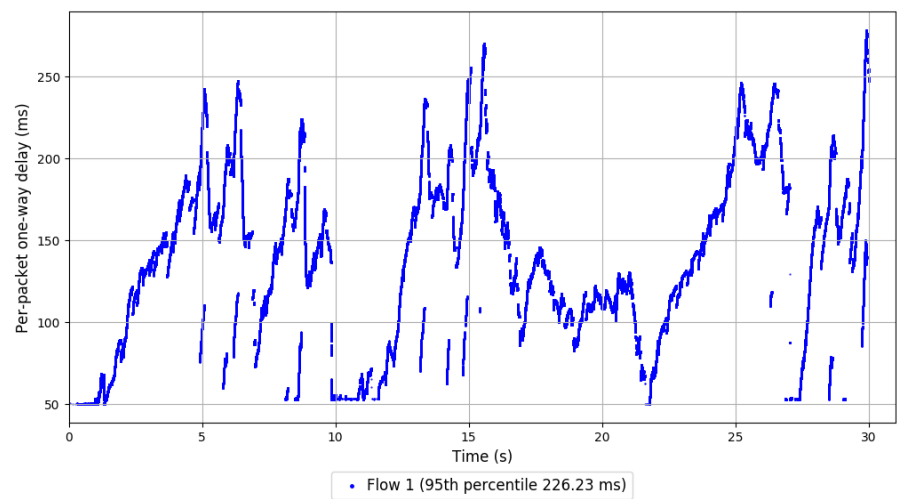
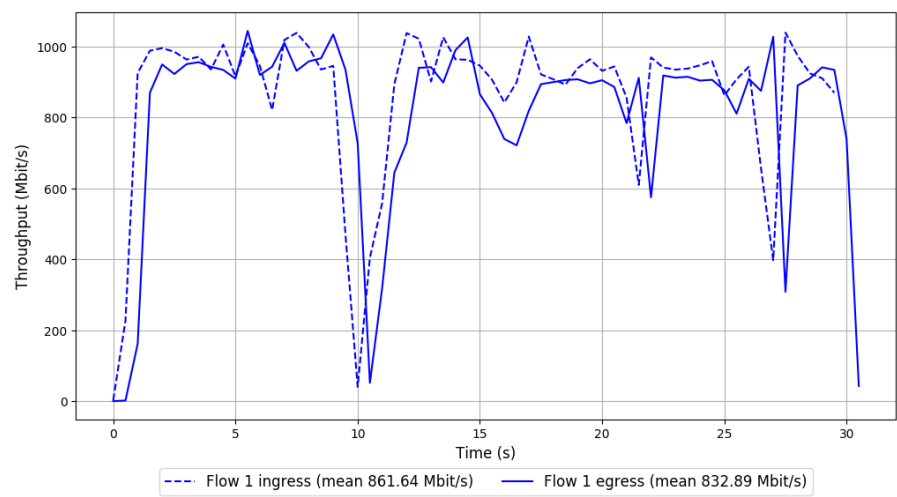
-- Flow 1:

Average throughput: 832.89 Mbit/s

95th percentile per-packet one-way delay: 226.231 ms

Loss rate: 3.33%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-05 15:38:16

End at: 2018-07-05 15:38:46

Local clock offset: -0.128 ms

Remote clock offset: 1.45 ms

Below is generated by plot.py at 2018-07-05 17:29:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 598.33 Mbit/s

95th percentile per-packet one-way delay: 241.757 ms

Loss rate: 1.50%

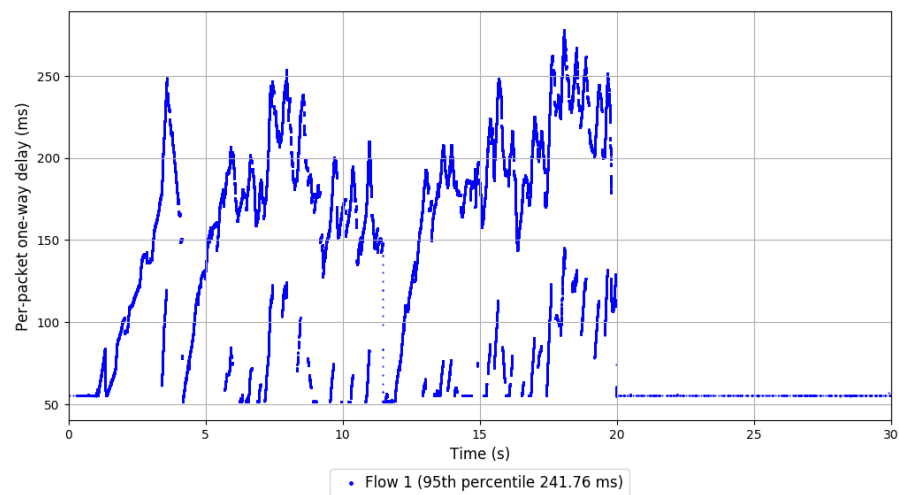
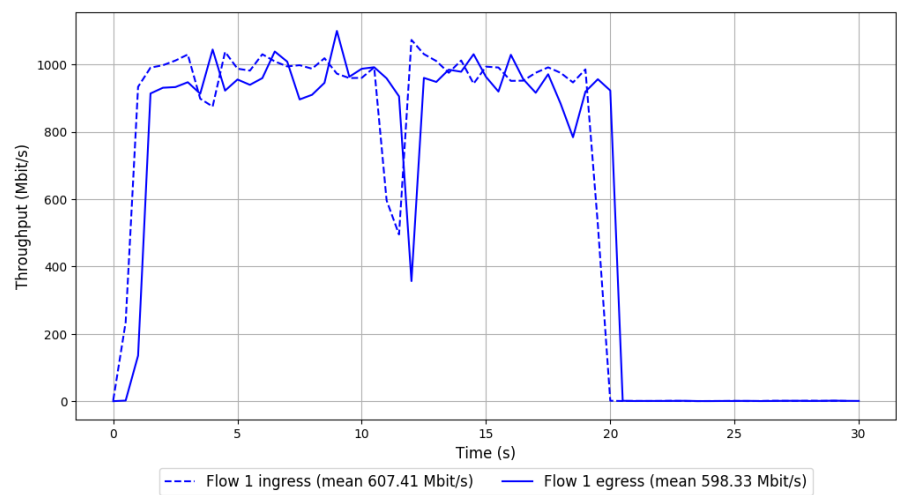
-- Flow 1:

Average throughput: 598.33 Mbit/s

95th percentile per-packet one-way delay: 241.757 ms

Loss rate: 1.50%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-05 16:00:21

End at: 2018-07-05 16:00:51

Local clock offset: 0.169 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-05 17:43:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 830.24 Mbit/s

95th percentile per-packet one-way delay: 233.982 ms

Loss rate: 0.95%

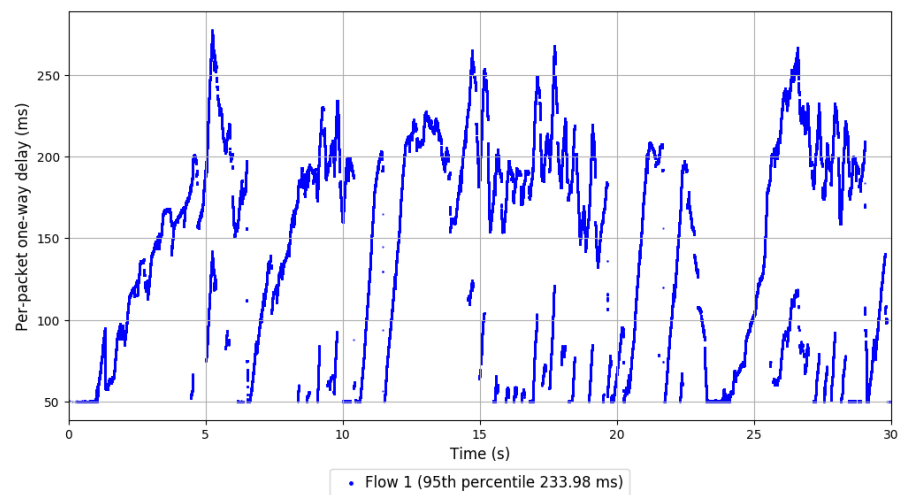
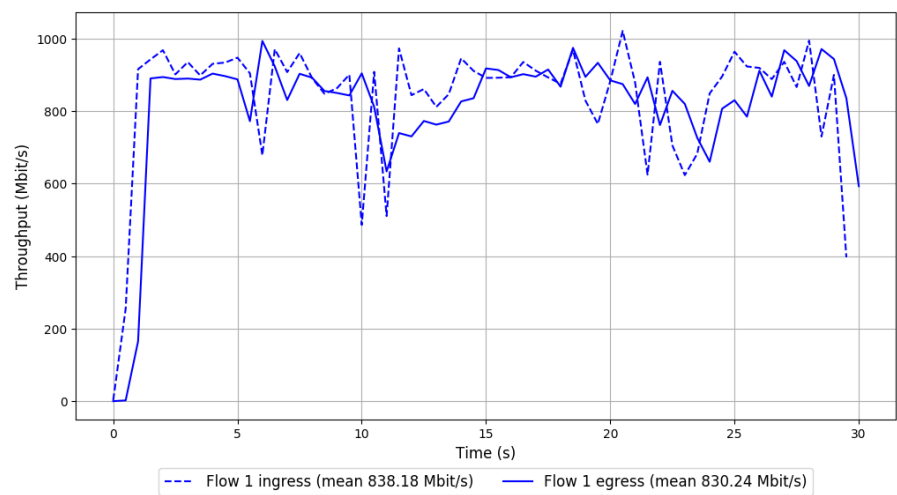
-- Flow 1:

Average throughput: 830.24 Mbit/s

95th percentile per-packet one-way delay: 233.982 ms

Loss rate: 0.95%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-05 16:22:26

End at: 2018-07-05 16:22:56

Local clock offset: 0.048 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-05 17:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.64 Mbit/s

95th percentile per-packet one-way delay: 247.947 ms

Loss rate: 3.84%

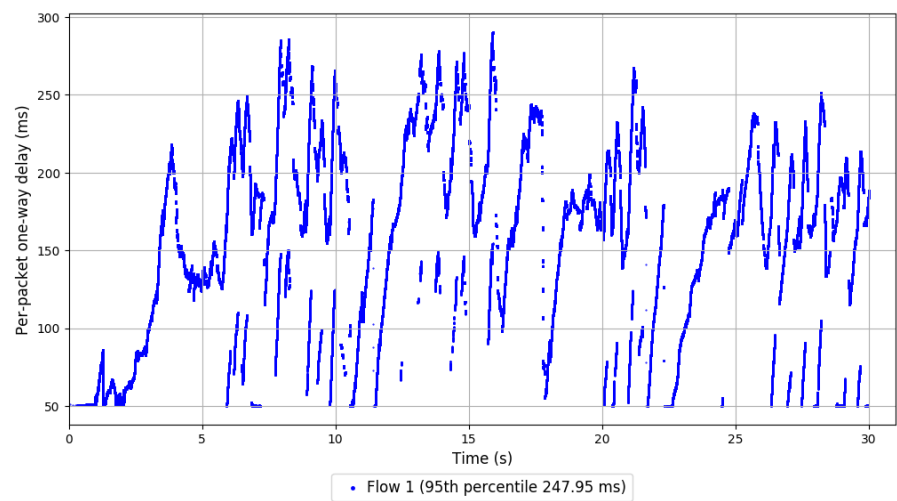
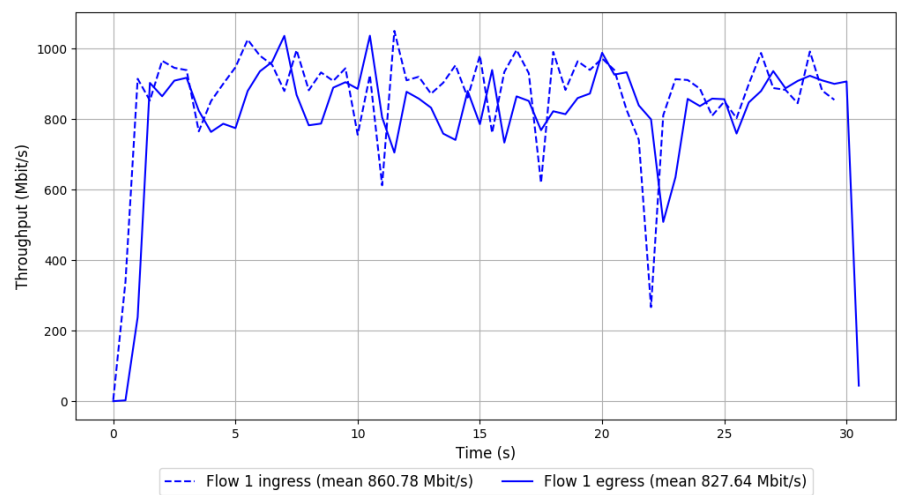
-- Flow 1:

Average throughput: 827.64 Mbit/s

95th percentile per-packet one-way delay: 247.947 ms

Loss rate: 3.84%

Run 10: Report of FillP-Sheep — Data Link

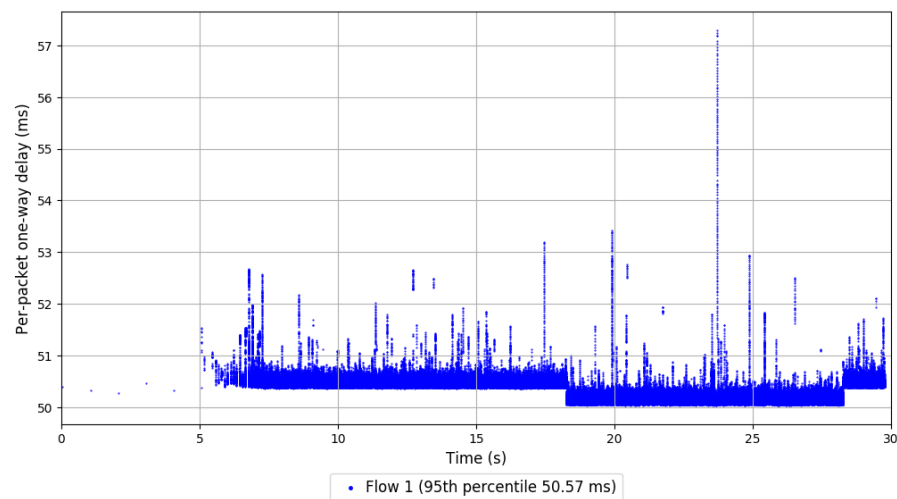
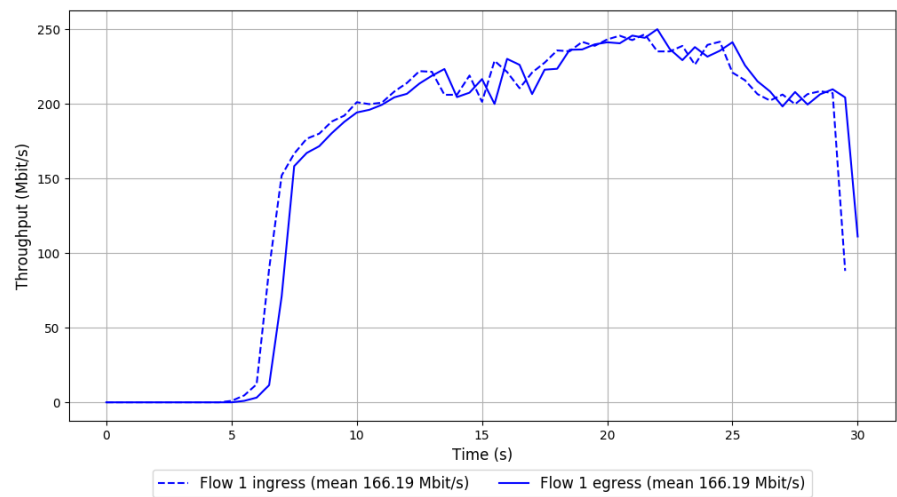


```
Run 1: Statistics of Indigo

Start at: 2018-07-05 13:00:00
End at: 2018-07-05 13:00:30
Local clock offset: -0.001 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-07-05 17:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.19 Mbit/s
95th percentile per-packet one-way delay: 50.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.19 Mbit/s
95th percentile per-packet one-way delay: 50.572 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

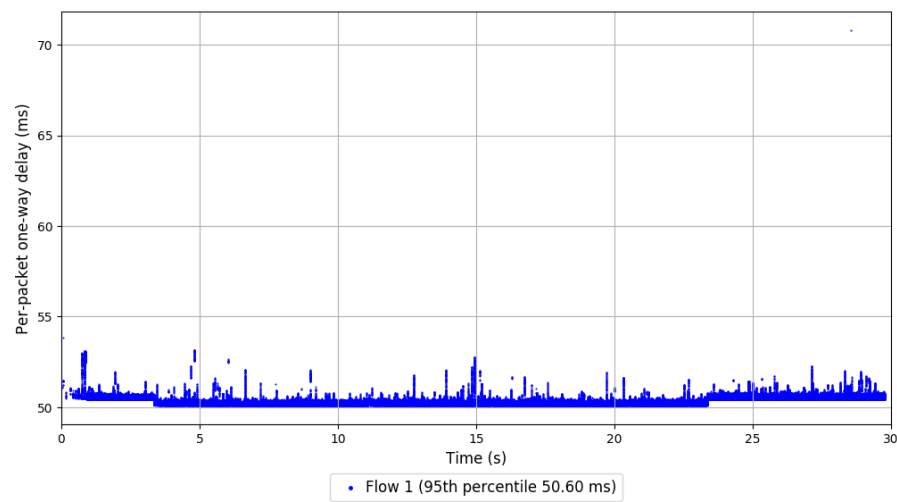
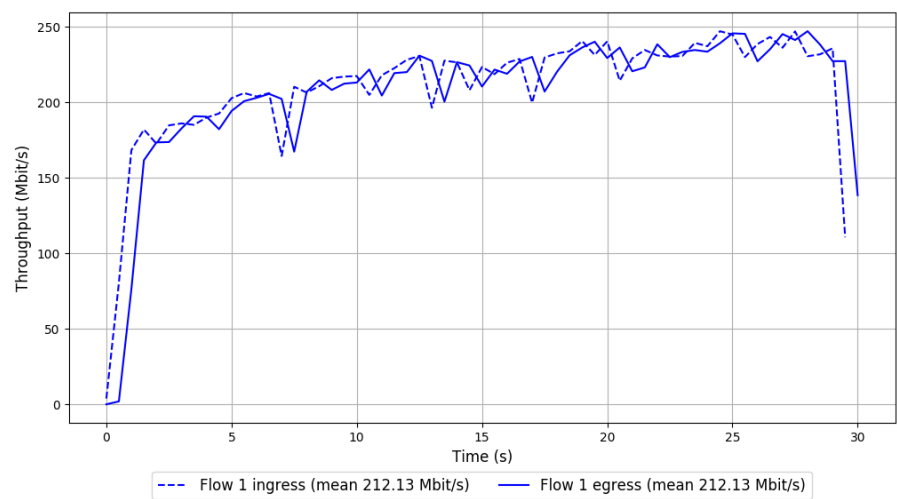


Run 2: Statistics of Indigo

Start at: 2018-07-05 13:21:15
End at: 2018-07-05 13:21:45
Local clock offset: -0.169 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-05 17:43:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.13 Mbit/s
95th percentile per-packet one-way delay: 50.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.13 Mbit/s
95th percentile per-packet one-way delay: 50.600 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-05 13:42:49

End at: 2018-07-05 13:43:19

Local clock offset: 0.006 ms

Remote clock offset: 1.125 ms

Below is generated by plot.py at 2018-07-05 17:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.86 Mbit/s

95th percentile per-packet one-way delay: 51.824 ms

Loss rate: 0.00%

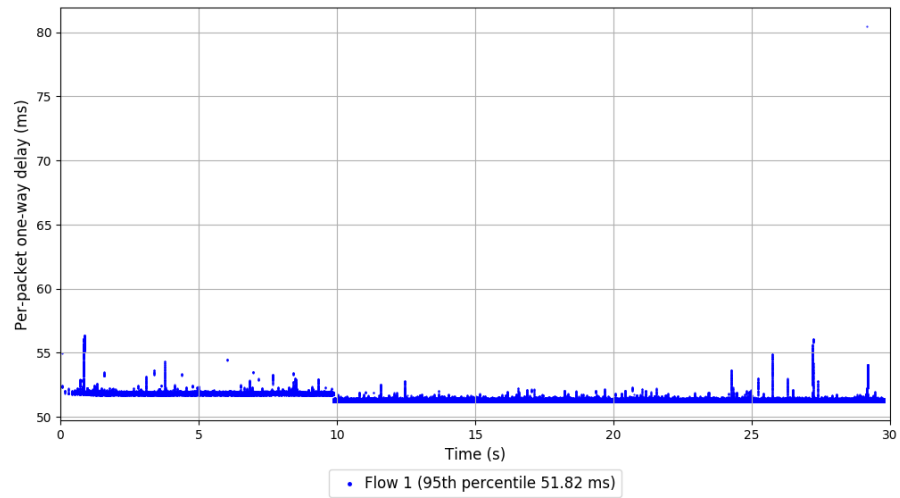
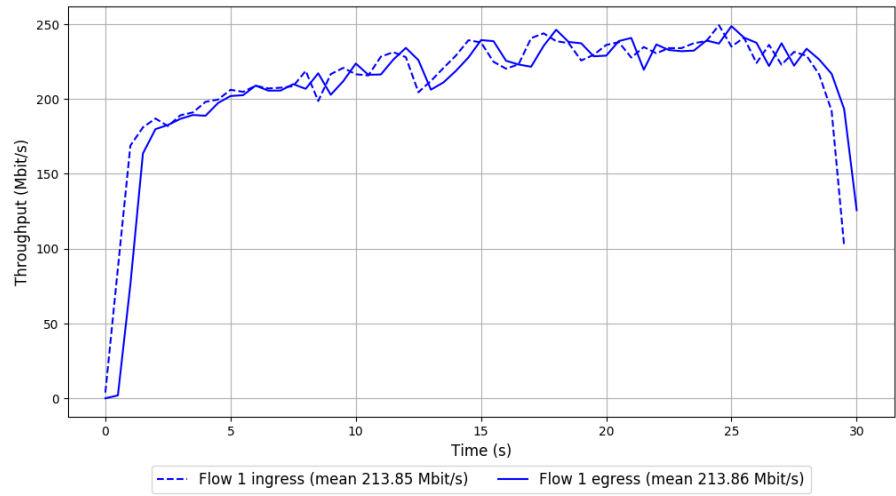
-- Flow 1:

Average throughput: 213.86 Mbit/s

95th percentile per-packet one-way delay: 51.824 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-05 14:04:38

End at: 2018-07-05 14:05:08

Local clock offset: -0.001 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-07-05 17:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.21 Mbit/s

95th percentile per-packet one-way delay: 50.879 ms

Loss rate: 0.00%

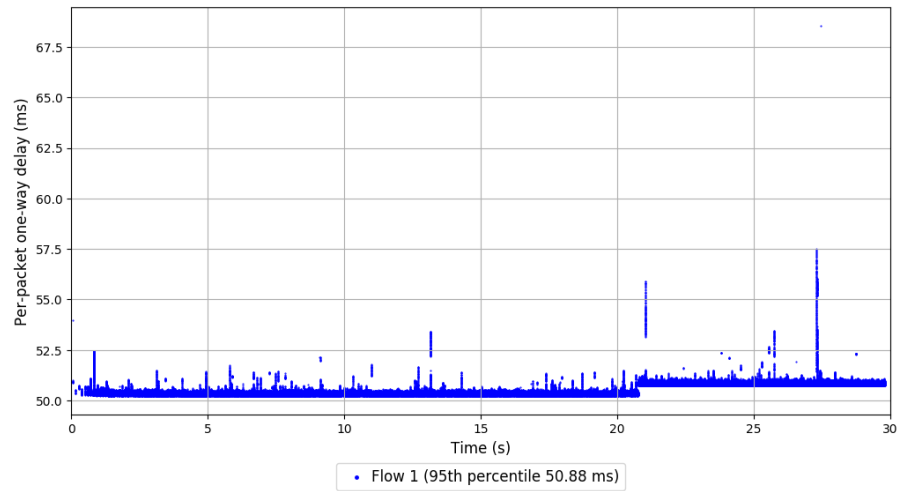
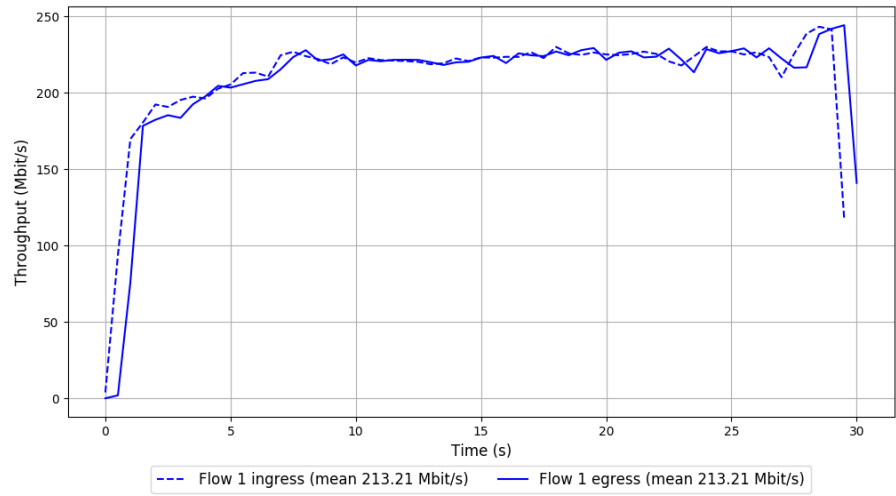
-- Flow 1:

Average throughput: 213.21 Mbit/s

95th percentile per-packet one-way delay: 50.879 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

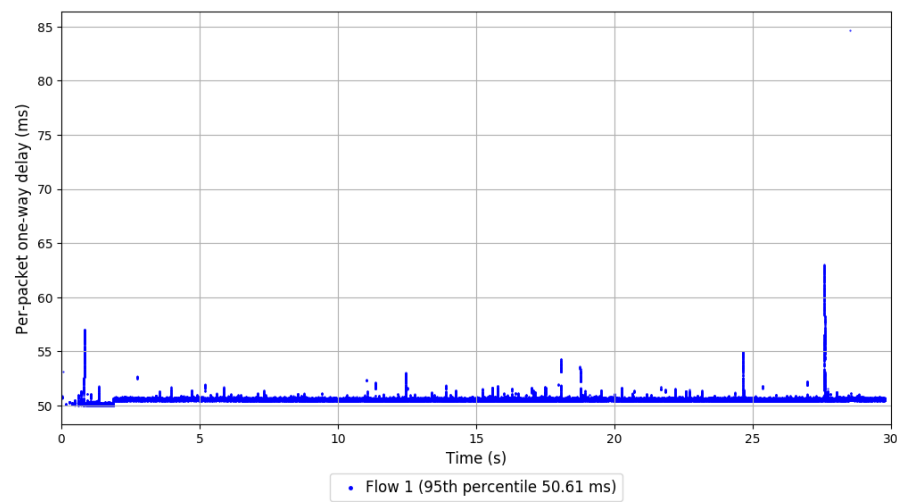
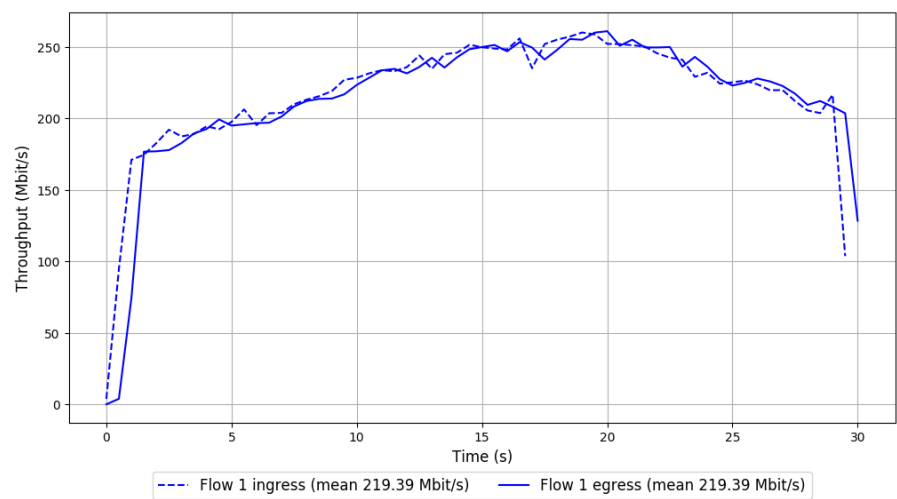


Run 5: Statistics of Indigo

Start at: 2018-07-05 14:26:37
End at: 2018-07-05 14:27:07
Local clock offset: -0.104 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-05 17:43:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 50.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 50.609 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-05 14:48:24

End at: 2018-07-05 14:48:54

Local clock offset: 0.104 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-05 17:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.38 Mbit/s

95th percentile per-packet one-way delay: 50.481 ms

Loss rate: 0.00%

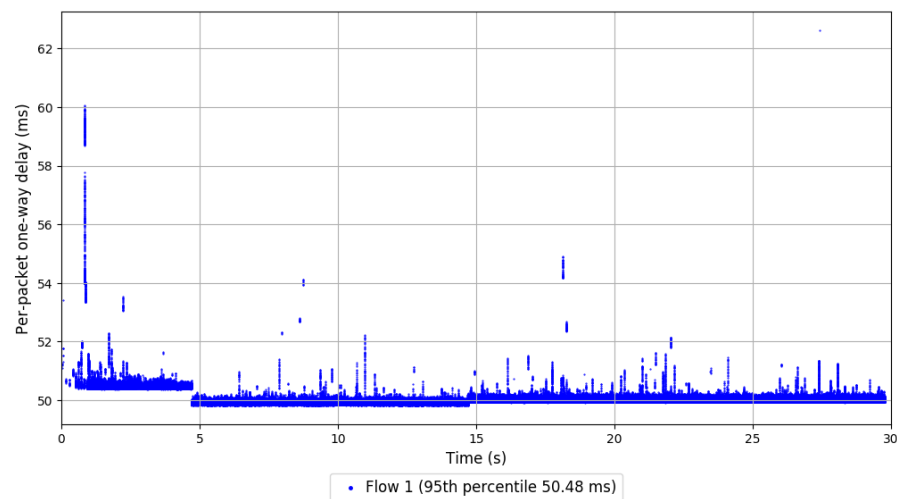
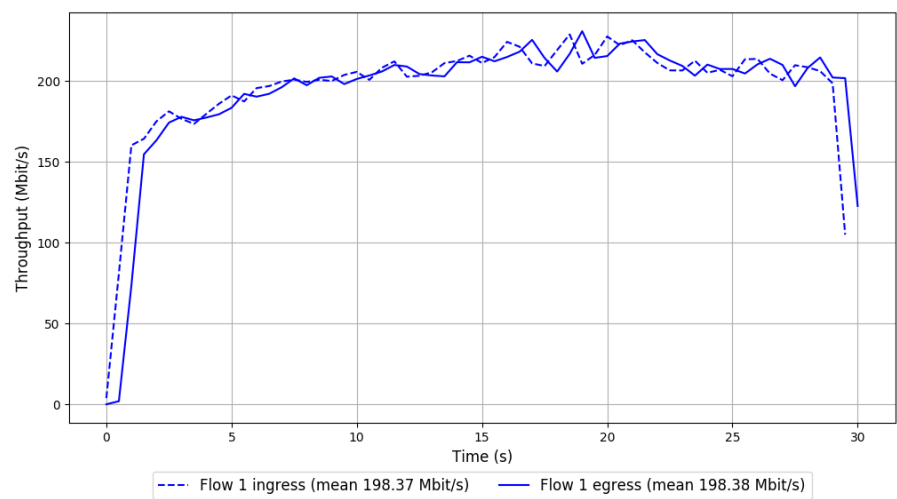
-- Flow 1:

Average throughput: 198.38 Mbit/s

95th percentile per-packet one-way delay: 50.481 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-05 15:10:05

End at: 2018-07-05 15:10:35

Local clock offset: -0.222 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-05 17:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.72 Mbit/s

95th percentile per-packet one-way delay: 50.725 ms

Loss rate: 0.00%

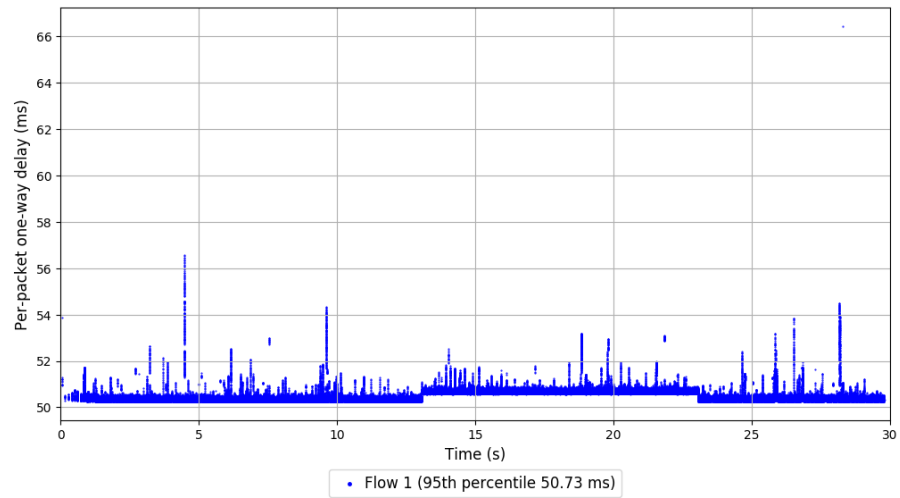
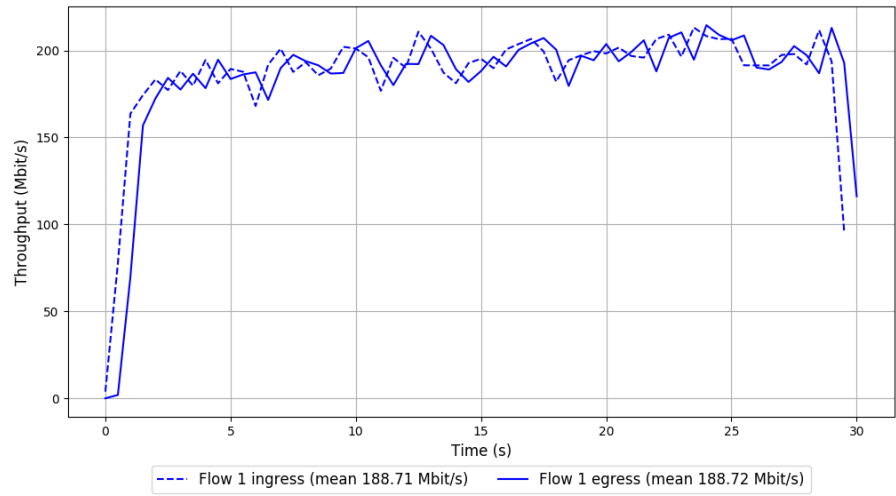
-- Flow 1:

Average throughput: 188.72 Mbit/s

95th percentile per-packet one-way delay: 50.725 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

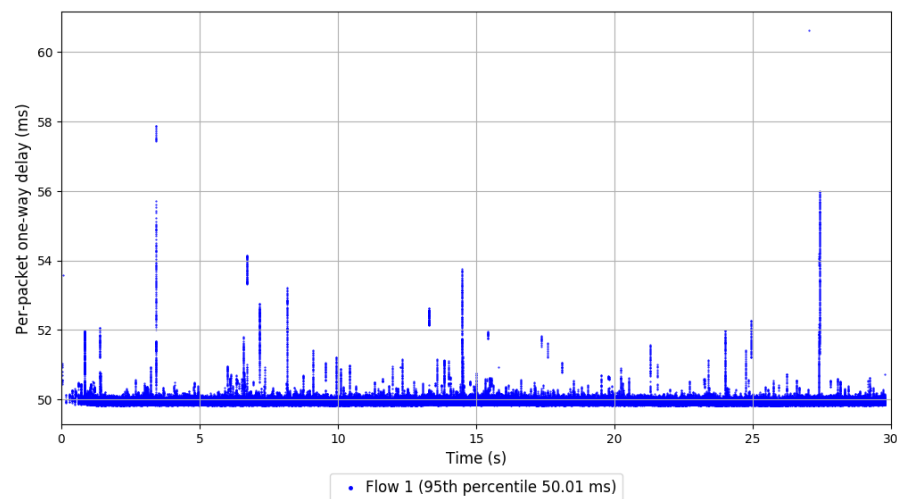
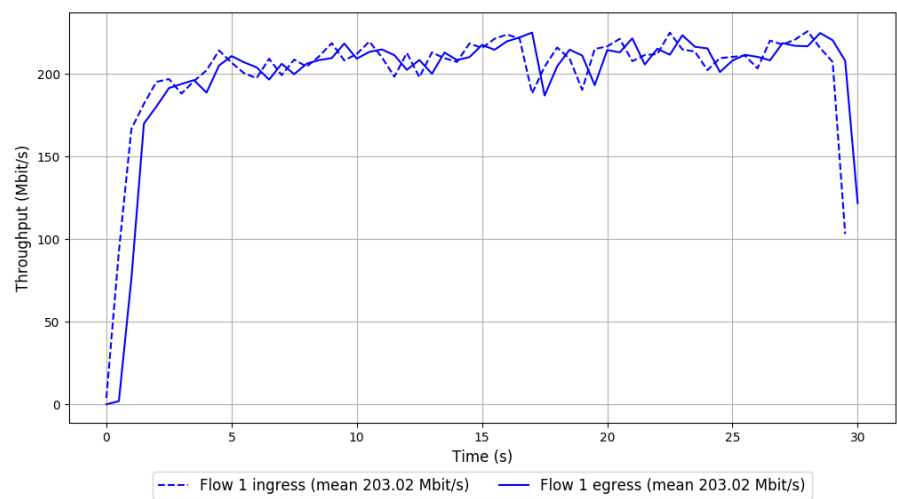


Run 8: Statistics of Indigo

Start at: 2018-07-05 15:32:13
End at: 2018-07-05 15:32:43
Local clock offset: -0.026 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-05 17:43:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.02 Mbit/s
95th percentile per-packet one-way delay: 50.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.02 Mbit/s
95th percentile per-packet one-way delay: 50.012 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-05 15:54:14

End at: 2018-07-05 15:54:44

Local clock offset: -0.17 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at 2018-07-05 17:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.13 Mbit/s

95th percentile per-packet one-way delay: 49.427 ms

Loss rate: 0.00%

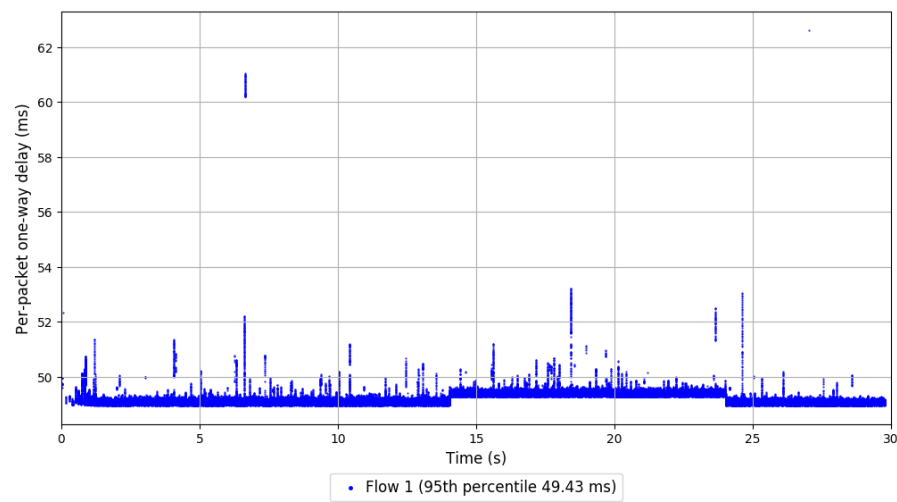
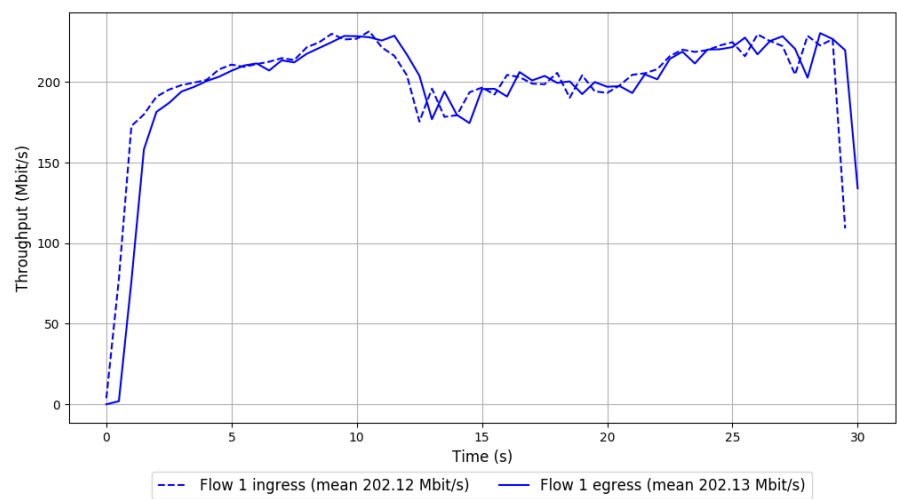
-- Flow 1:

Average throughput: 202.13 Mbit/s

95th percentile per-packet one-way delay: 49.427 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

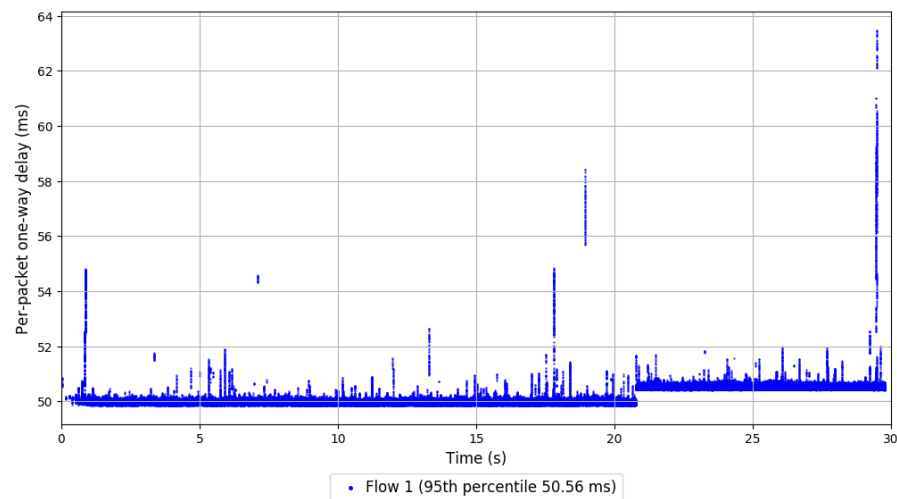
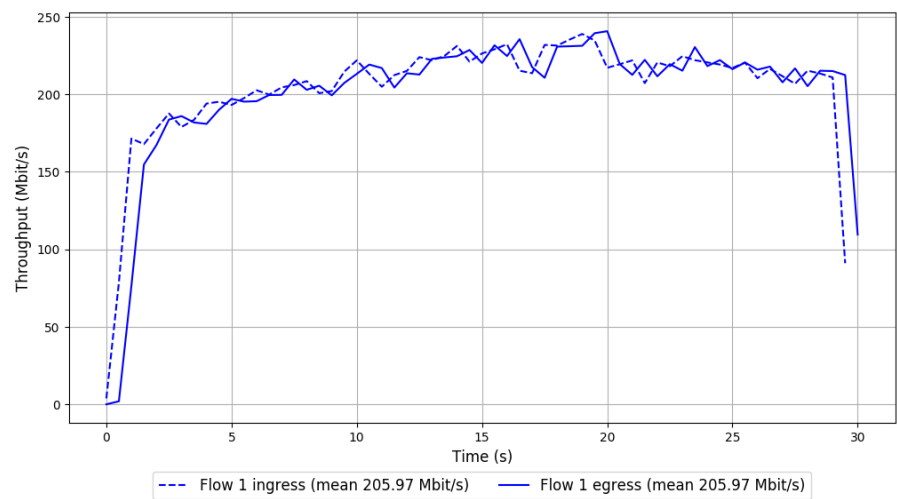


Run 10: Statistics of Indigo

Start at: 2018-07-05 16:16:18
End at: 2018-07-05 16:16:48
Local clock offset: -0.004 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-05 17:43:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.97 Mbit/s
95th percentile per-packet one-way delay: 50.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.97 Mbit/s
95th percentile per-packet one-way delay: 50.557 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

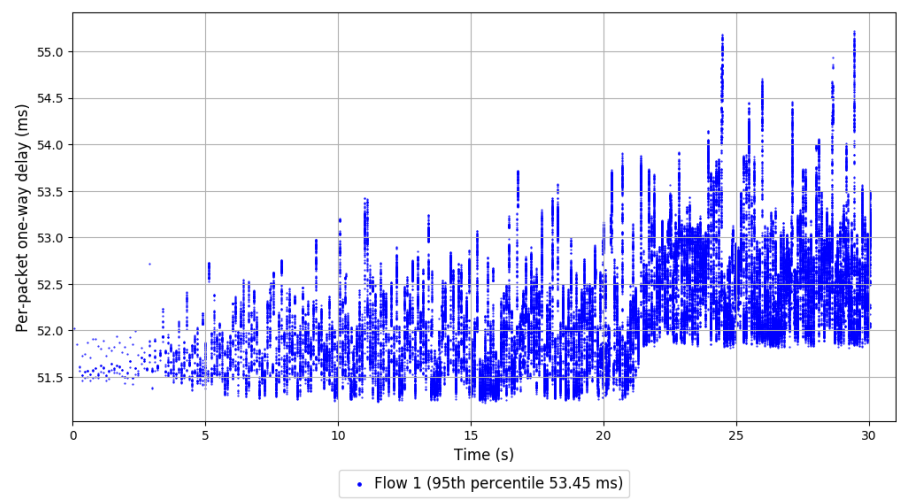
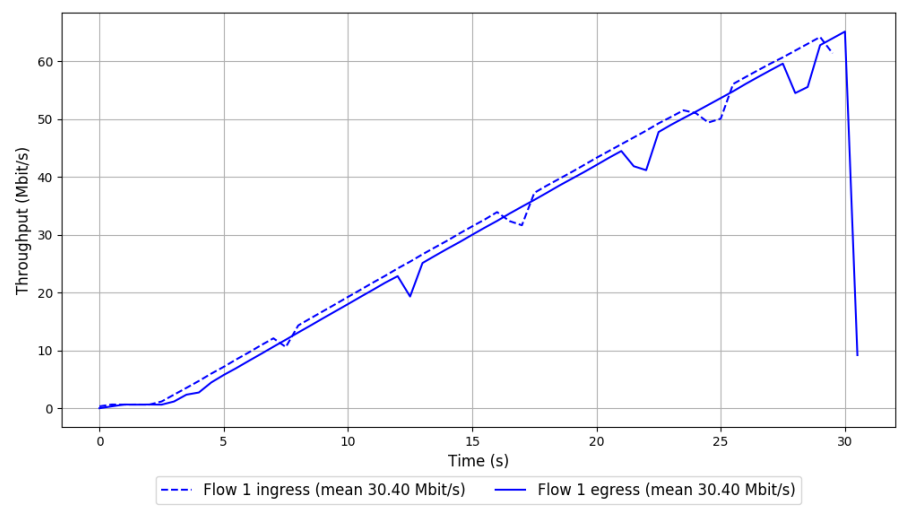


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-05 12:51:07
End at: 2018-07-05 12:51:37
Local clock offset: 0.079 ms
Remote clock offset: 1.203 ms

# Below is generated by plot.py at 2018-07-05 17:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 53.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 53.455 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

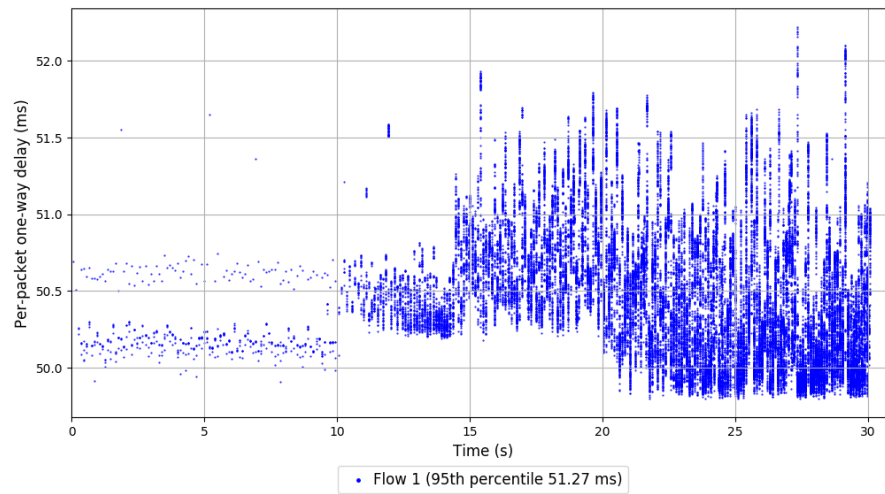
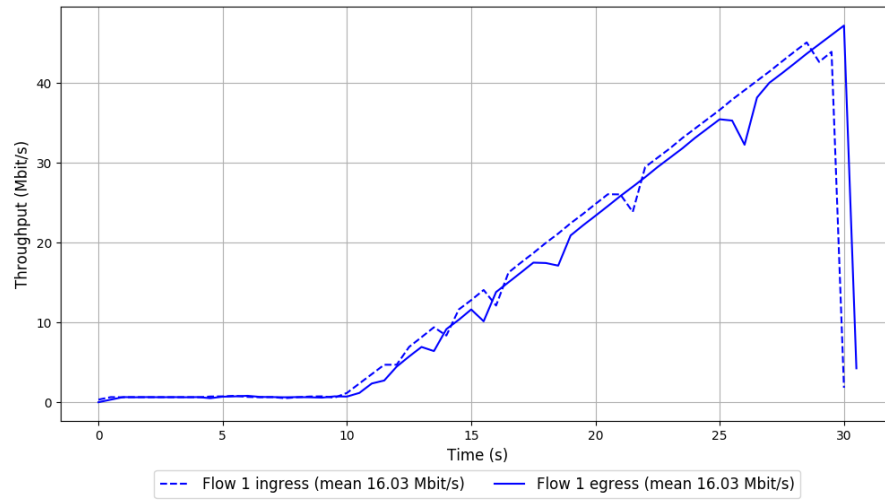


Run 2: Statistics of LEDBAT

Start at: 2018-07-05 13:12:39
End at: 2018-07-05 13:13:09
Local clock offset: -0.034 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-05 17:43:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 51.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 51.266 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-05 13:34:10

End at: 2018-07-05 13:34:40

Local clock offset: -0.09 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 17:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 51.820 ms

Loss rate: 0.00%

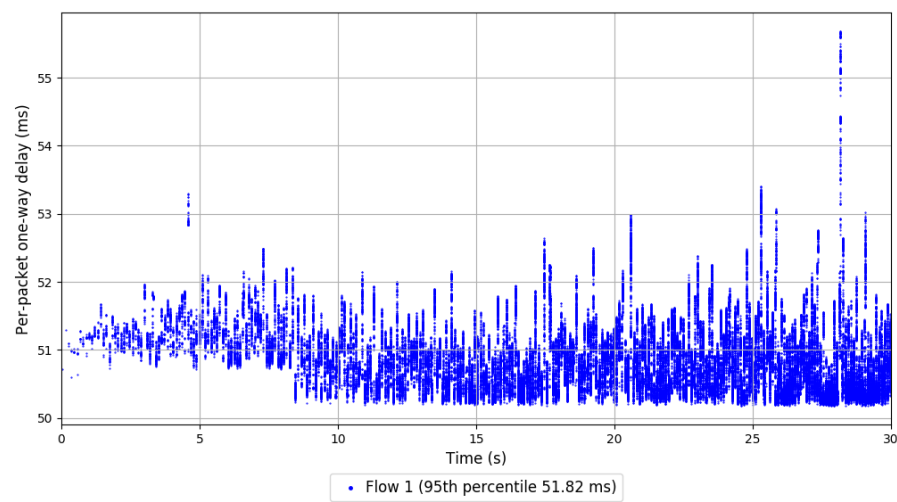
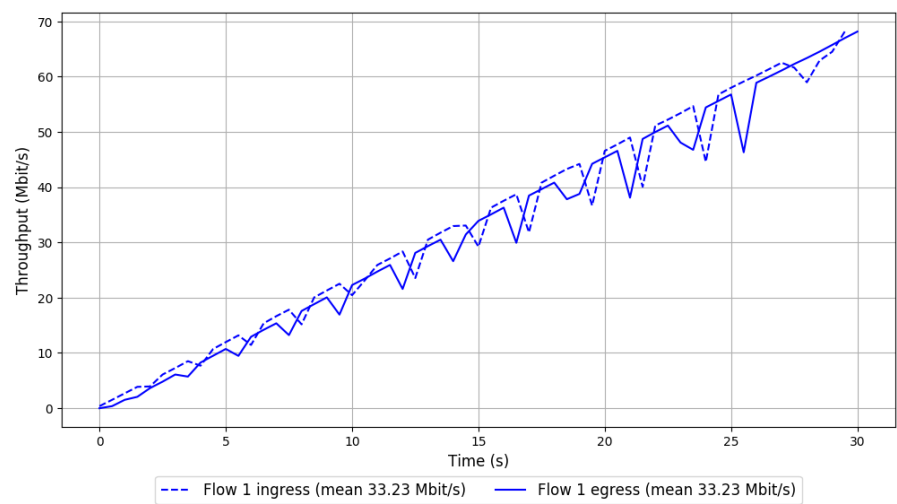
-- Flow 1:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 51.820 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

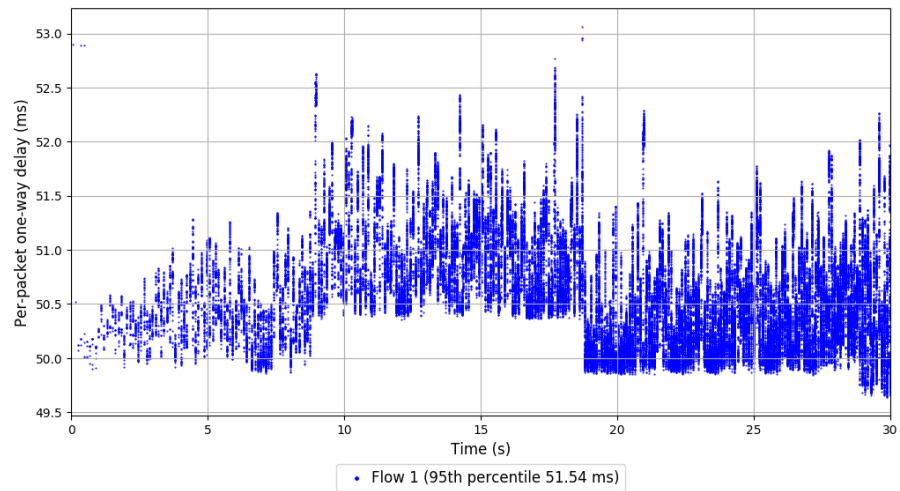
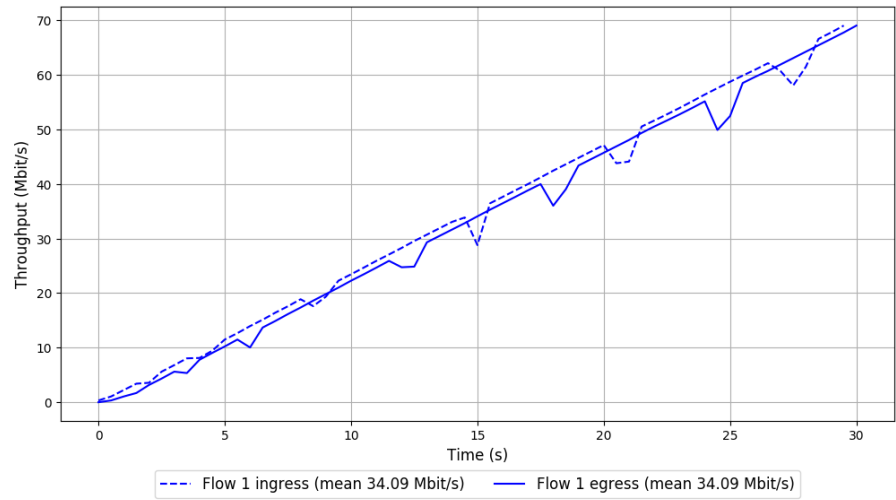


Run 4: Statistics of LEDBAT

Start at: 2018-07-05 13:55:50
End at: 2018-07-05 13:56:20
Local clock offset: 0.142 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-05 17:43:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 51.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 51.541 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

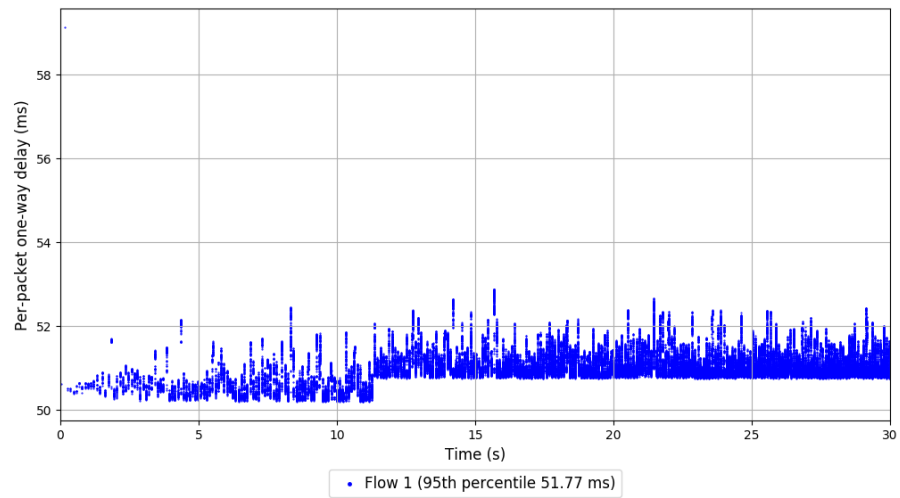
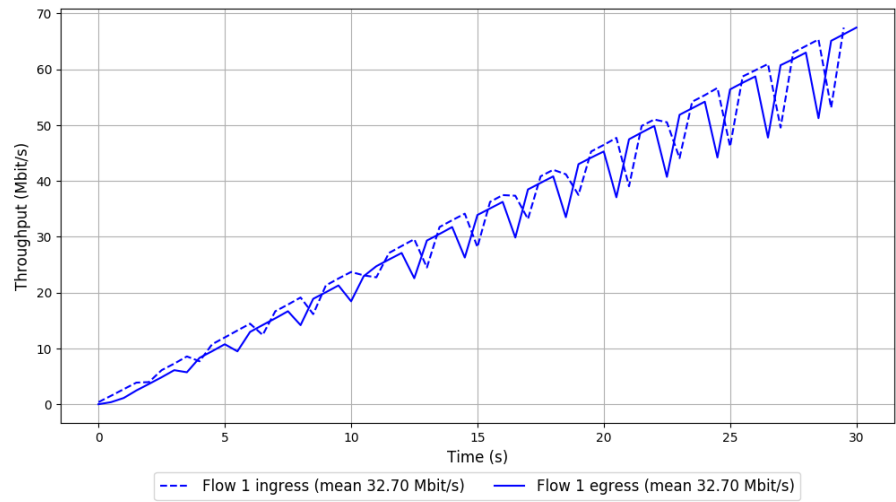


Run 5: Statistics of LEDBAT

Start at: 2018-07-05 14:17:47
End at: 2018-07-05 14:18:17
Local clock offset: -0.191 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-05 17:43:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-05 14:39:45

End at: 2018-07-05 14:40:15

Local clock offset: -0.135 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-05 17:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.95 Mbit/s

95th percentile per-packet one-way delay: 51.563 ms

Loss rate: 0.00%

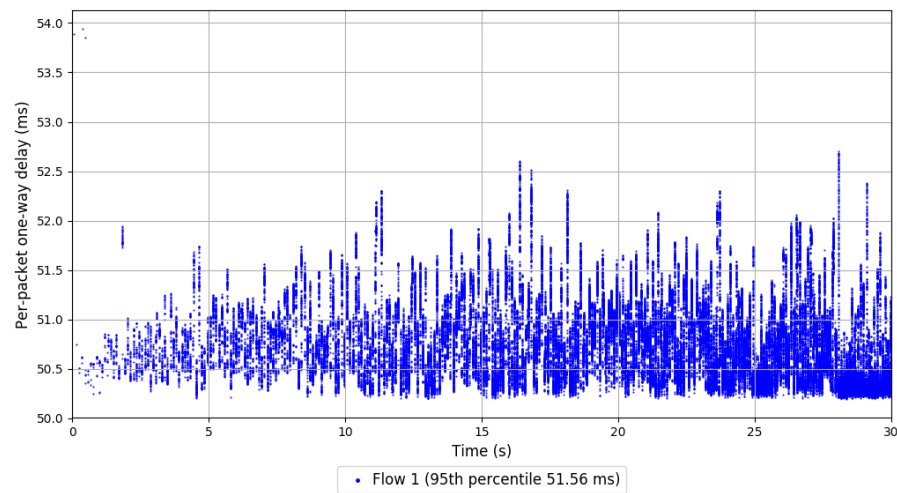
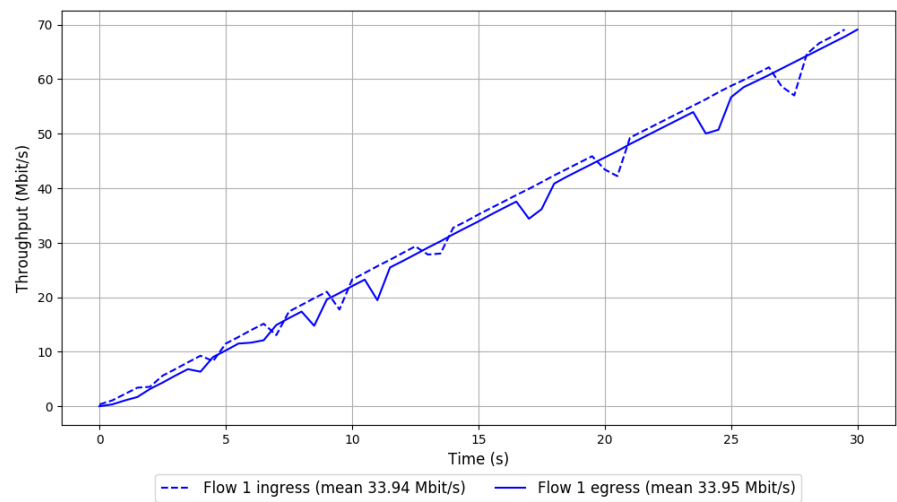
-- Flow 1:

Average throughput: 33.95 Mbit/s

95th percentile per-packet one-way delay: 51.563 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

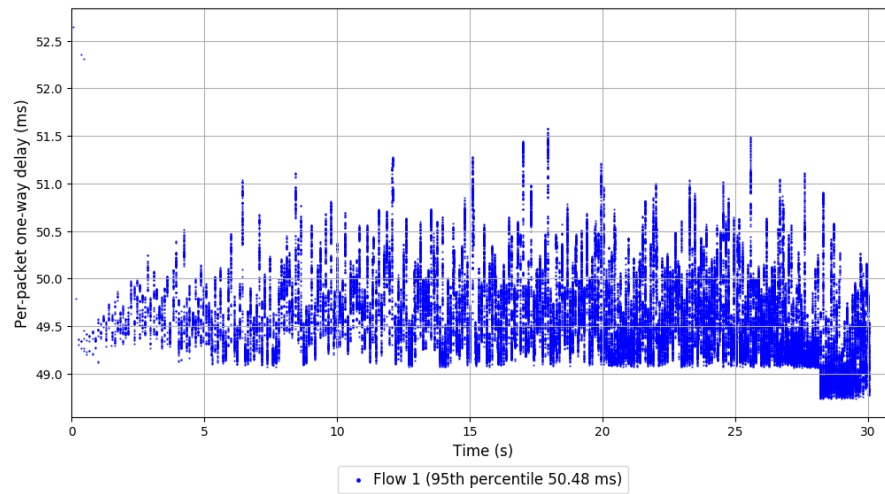
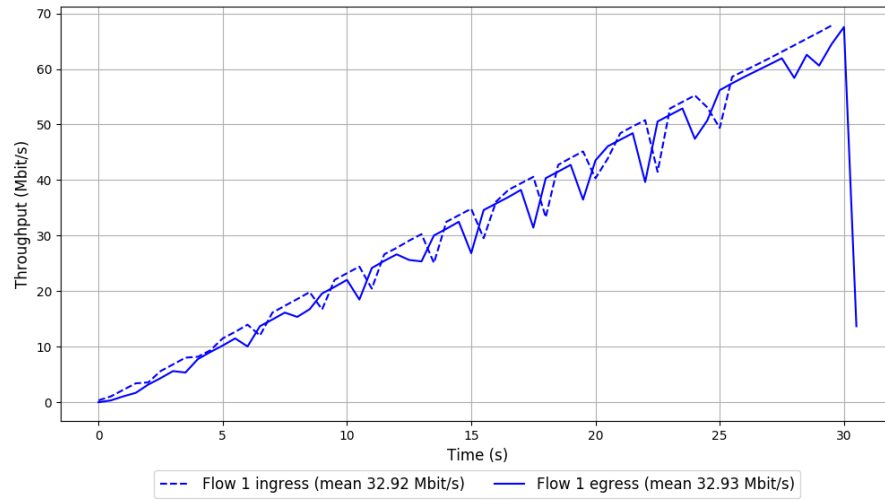


Run 7: Statistics of LEDBAT

Start at: 2018-07-05 15:01:31
End at: 2018-07-05 15:02:01
Local clock offset: -0.082 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-07-05 17:43:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 50.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 50.484 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-05 15:23:29

End at: 2018-07-05 15:23:59

Local clock offset: -0.227 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-05 17:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 51.770 ms

Loss rate: 0.00%

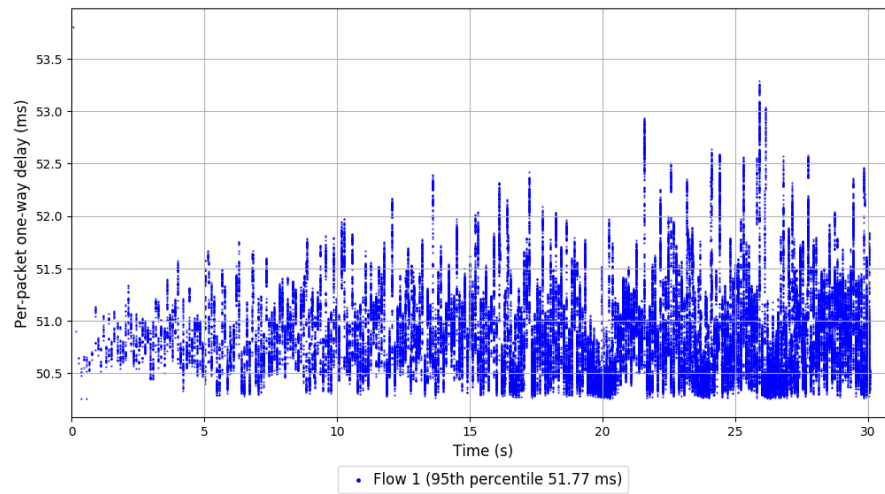
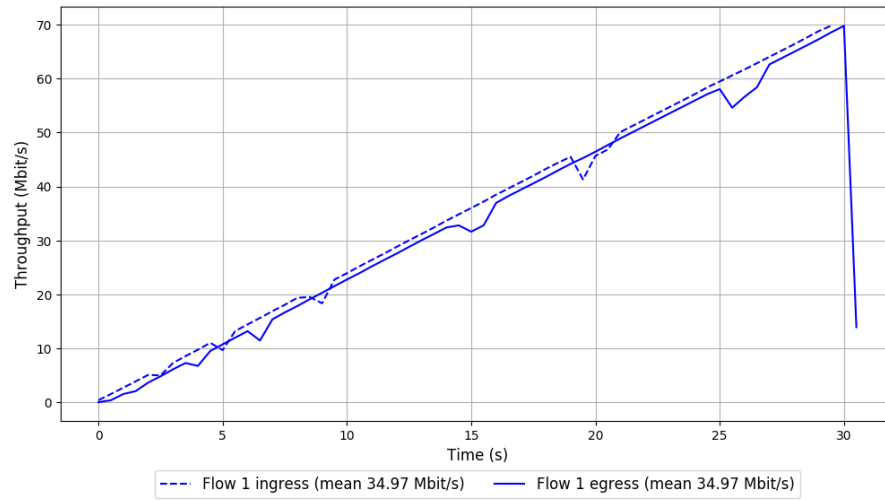
-- Flow 1:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 51.770 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

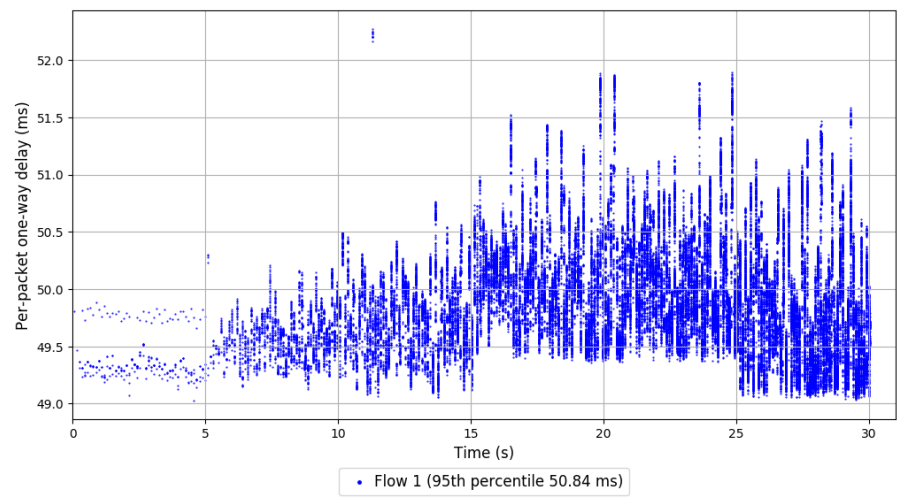
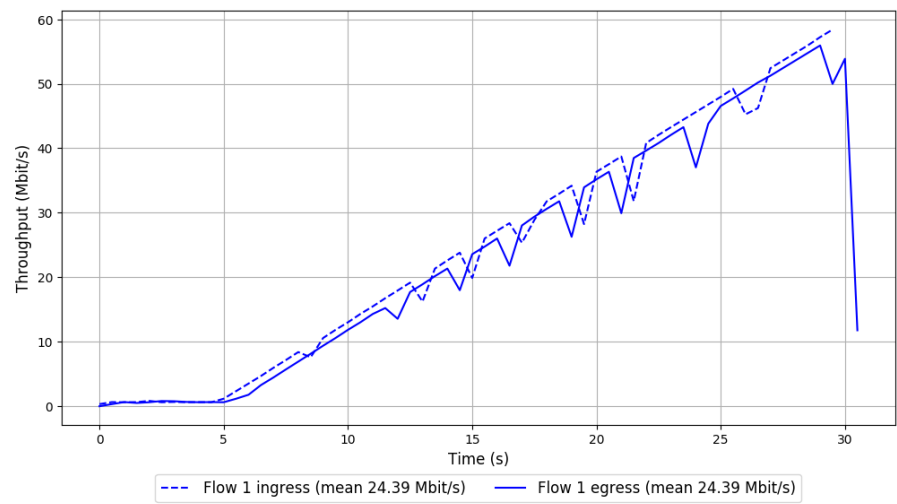


Run 9: Statistics of LEDBAT

Start at: 2018-07-05 15:45:24
End at: 2018-07-05 15:45:54
Local clock offset: -0.027 ms
Remote clock offset: -1.034 ms

Below is generated by plot.py at 2018-07-05 17:43:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 50.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 50.835 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-05 16:07:18

End at: 2018-07-05 16:07:48

Local clock offset: -0.028 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-05 17:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.89 Mbit/s

95th percentile per-packet one-way delay: 51.623 ms

Loss rate: 0.00%

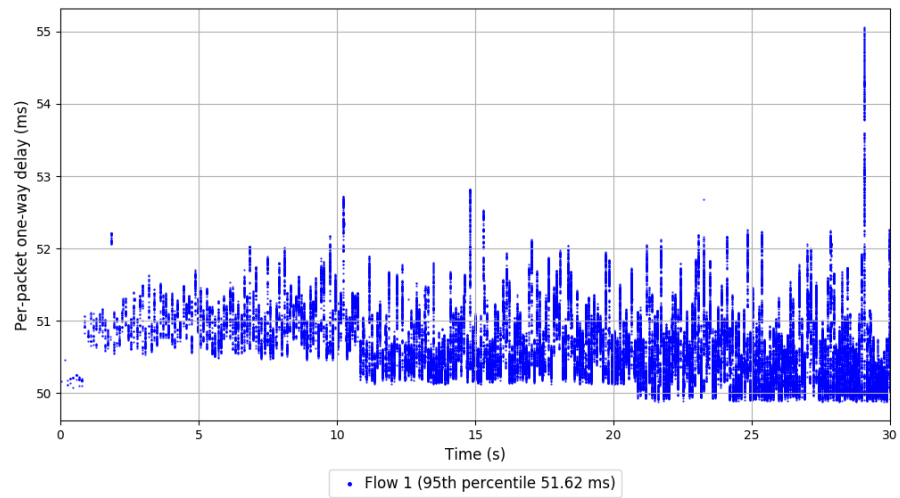
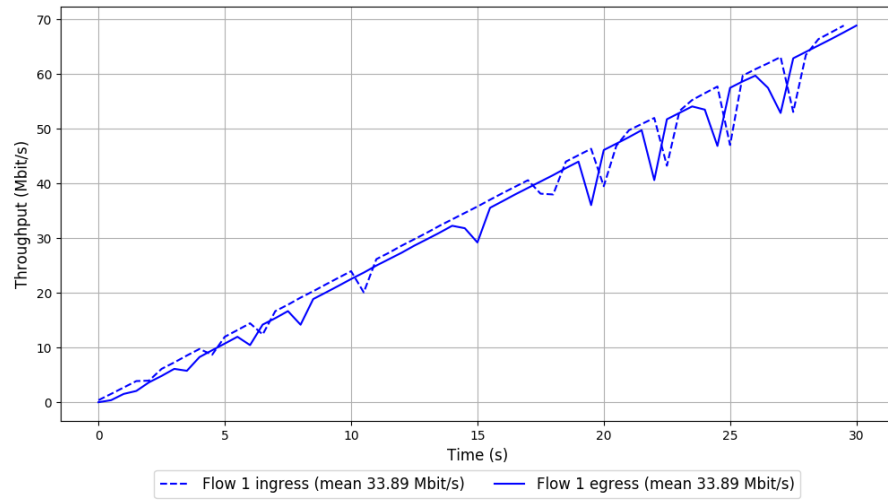
-- Flow 1:

Average throughput: 33.89 Mbit/s

95th percentile per-packet one-way delay: 51.623 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

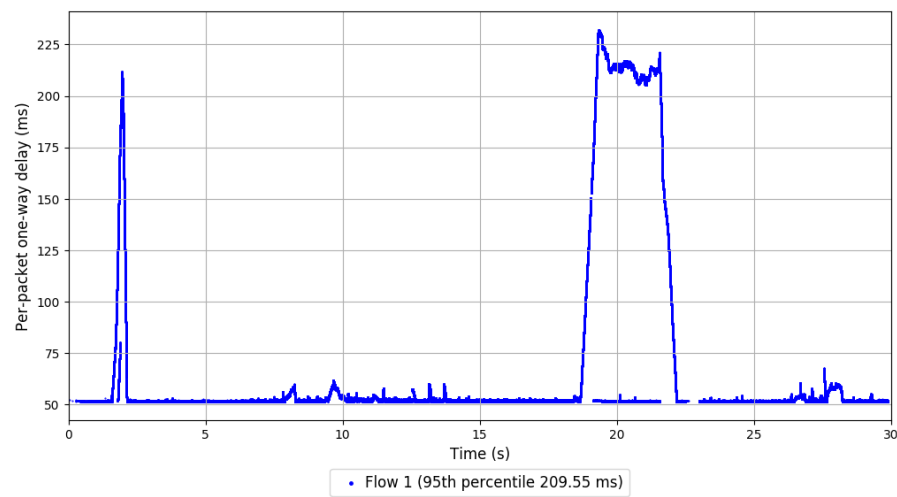
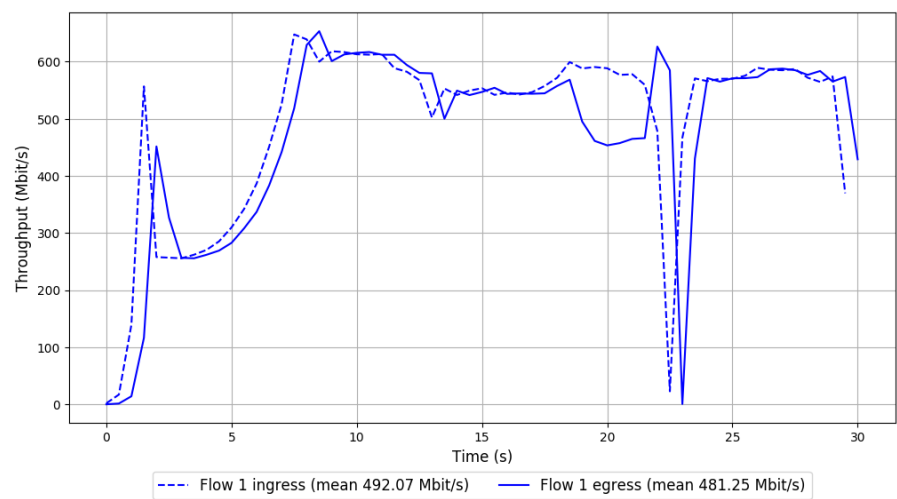


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-05 13:03:29
End at: 2018-07-05 13:03:59
Local clock offset: 0.075 ms
Remote clock offset: 1.185 ms

# Below is generated by plot.py at 2018-07-05 17:43:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 481.25 Mbit/s
95th percentile per-packet one-way delay: 209.548 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 481.25 Mbit/s
95th percentile per-packet one-way delay: 209.548 ms
Loss rate: 2.20%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-05 13:24:50

End at: 2018-07-05 13:25:21

Local clock offset: 0.063 ms

Remote clock offset: 1.111 ms

Below is generated by plot.py at 2018-07-05 17:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.50 Mbit/s

95th percentile per-packet one-way delay: 213.671 ms

Loss rate: 3.56%

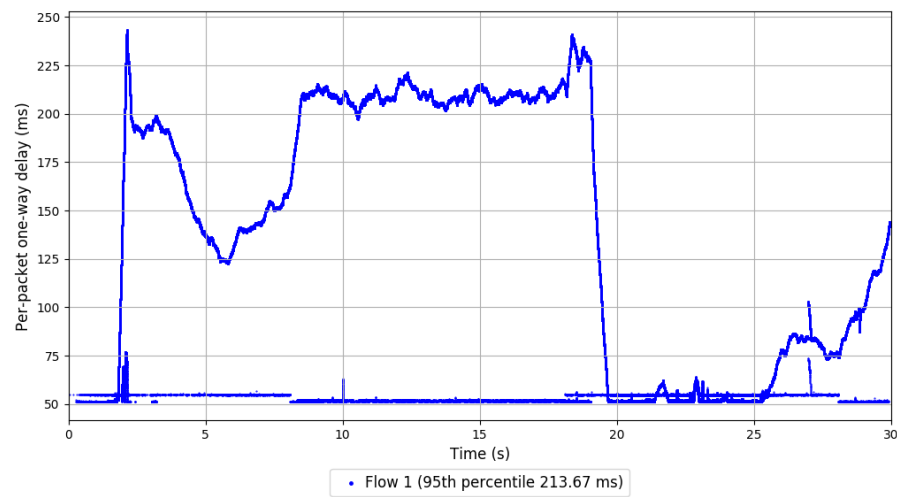
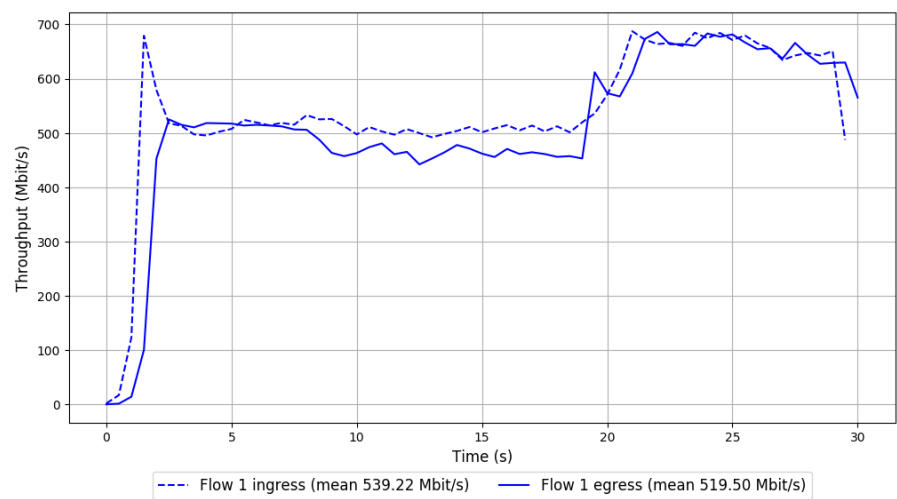
-- Flow 1:

Average throughput: 519.50 Mbit/s

95th percentile per-packet one-way delay: 213.671 ms

Loss rate: 3.56%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-05 13:46:26

End at: 2018-07-05 13:46:56

Local clock offset: -0.065 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-05 17:44:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.55 Mbit/s

95th percentile per-packet one-way delay: 167.888 ms

Loss rate: 0.59%

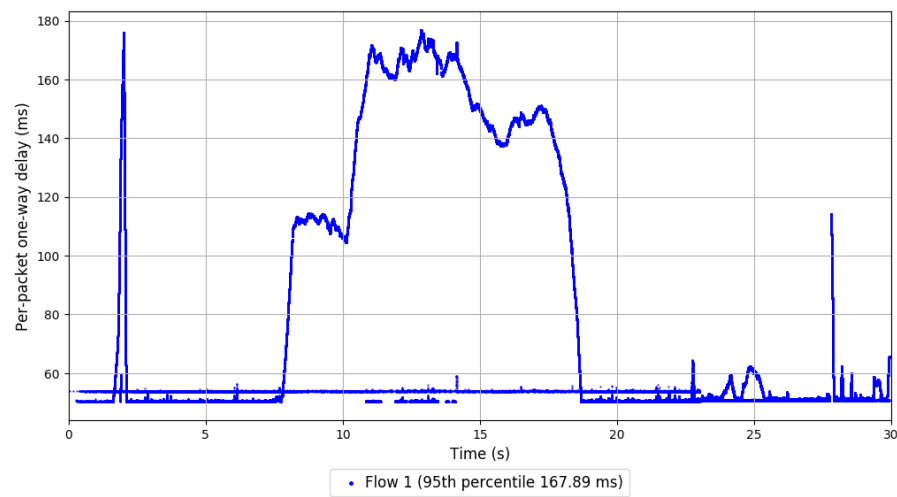
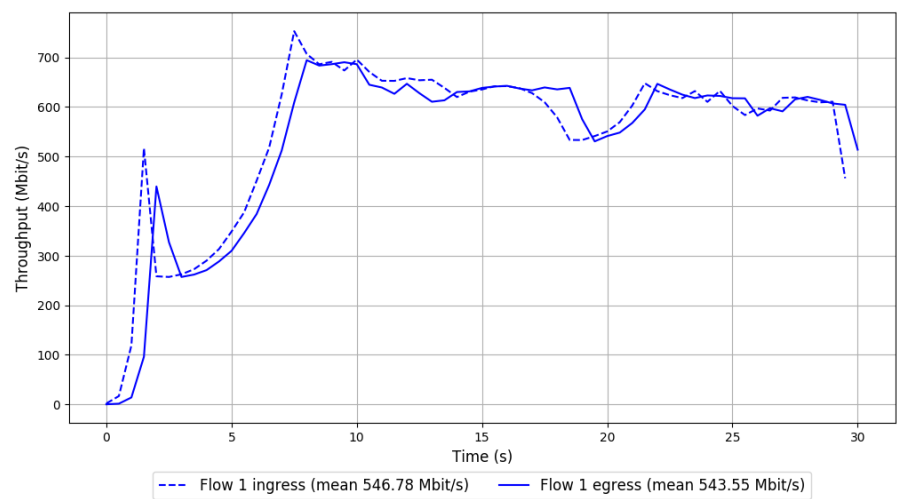
-- Flow 1:

Average throughput: 543.55 Mbit/s

95th percentile per-packet one-way delay: 167.888 ms

Loss rate: 0.59%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-05 14:08:14

End at: 2018-07-05 14:08:44

Local clock offset: -0.185 ms

Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-05 17:45:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.54 Mbit/s

95th percentile per-packet one-way delay: 168.053 ms

Loss rate: 0.52%

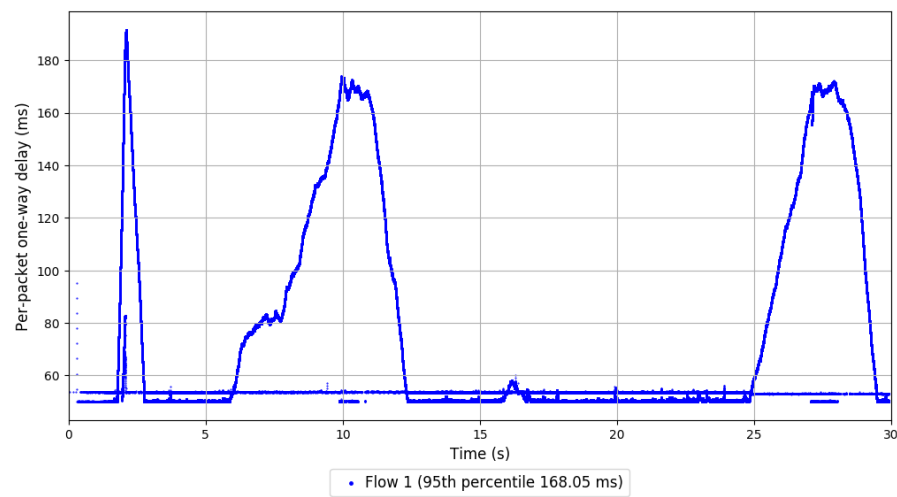
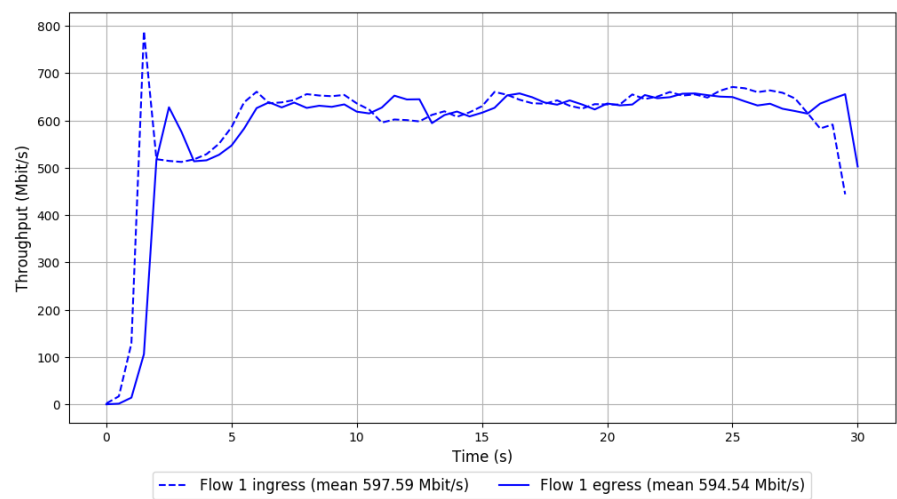
-- Flow 1:

Average throughput: 594.54 Mbit/s

95th percentile per-packet one-way delay: 168.053 ms

Loss rate: 0.52%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-05 14:30:15

End at: 2018-07-05 14:30:45

Local clock offset: -0.314 ms

Remote clock offset: 1.338 ms

Below is generated by plot.py at 2018-07-05 17:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 596.70 Mbit/s

95th percentile per-packet one-way delay: 170.843 ms

Loss rate: 1.08%

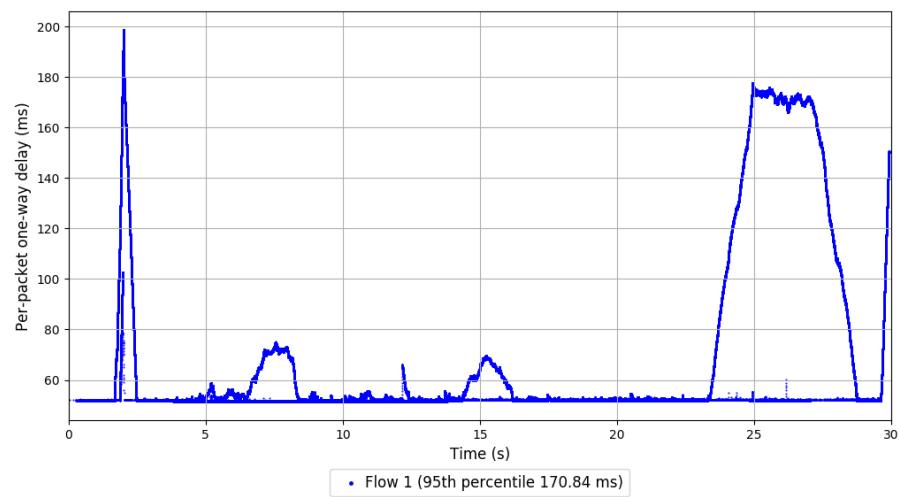
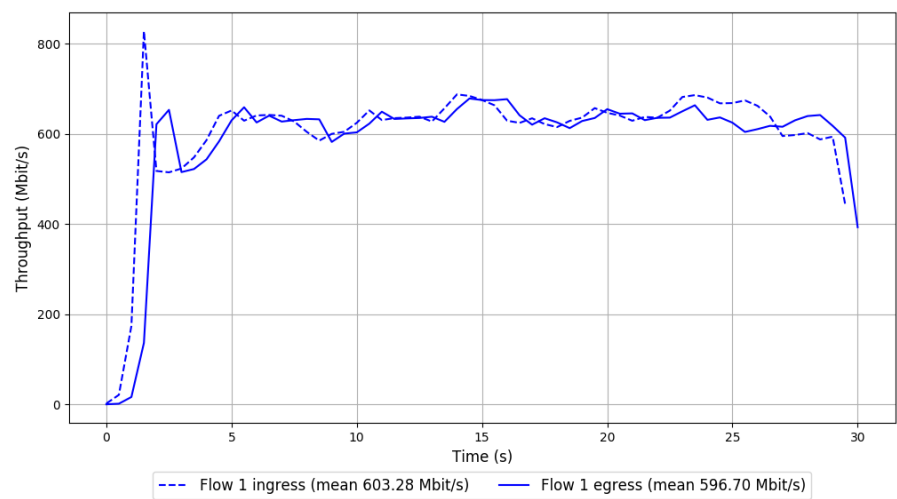
-- Flow 1:

Average throughput: 596.70 Mbit/s

95th percentile per-packet one-way delay: 170.843 ms

Loss rate: 1.08%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-05 14:52:00

End at: 2018-07-05 14:52:30

Local clock offset: -0.119 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-05 17:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.54 Mbit/s

95th percentile per-packet one-way delay: 114.158 ms

Loss rate: 0.32%

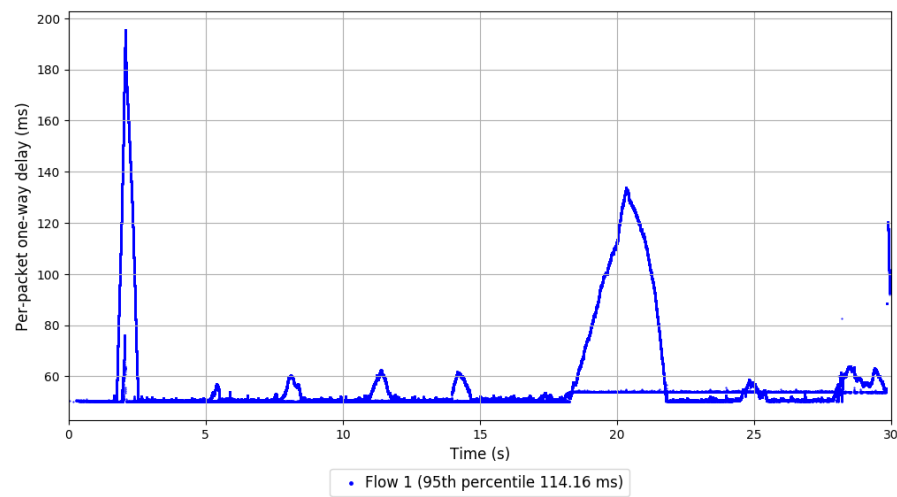
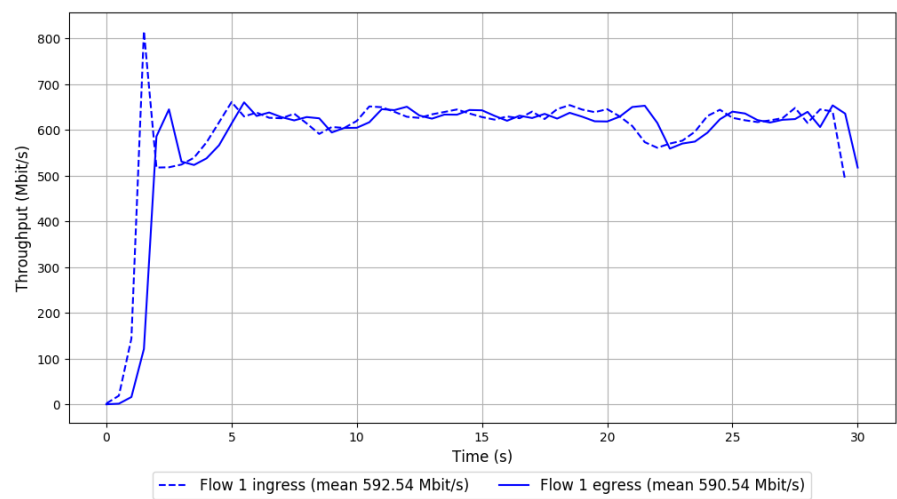
-- Flow 1:

Average throughput: 590.54 Mbit/s

95th percentile per-packet one-way delay: 114.158 ms

Loss rate: 0.32%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-05 15:13:43

End at: 2018-07-05 15:14:13

Local clock offset: -0.035 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-07-05 17:52:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.19 Mbit/s

95th percentile per-packet one-way delay: 169.986 ms

Loss rate: 1.02%

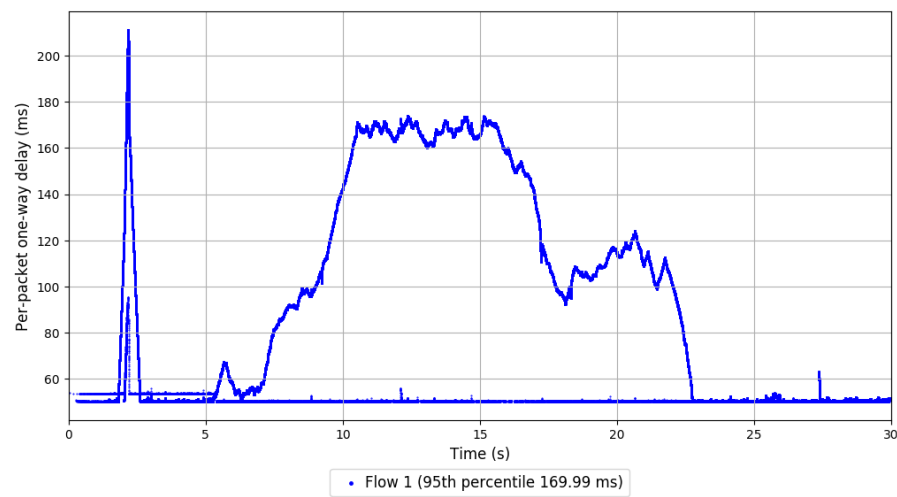
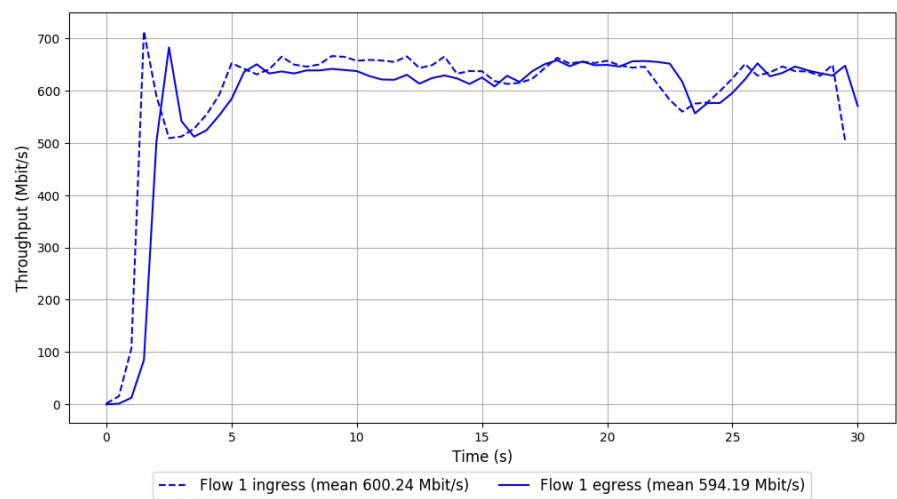
-- Flow 1:

Average throughput: 594.19 Mbit/s

95th percentile per-packet one-way delay: 169.986 ms

Loss rate: 1.02%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-05 15:35:44

End at: 2018-07-05 15:36:14

Local clock offset: -0.074 ms

Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-07-05 17:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 578.26 Mbit/s

95th percentile per-packet one-way delay: 111.919 ms

Loss rate: 0.19%

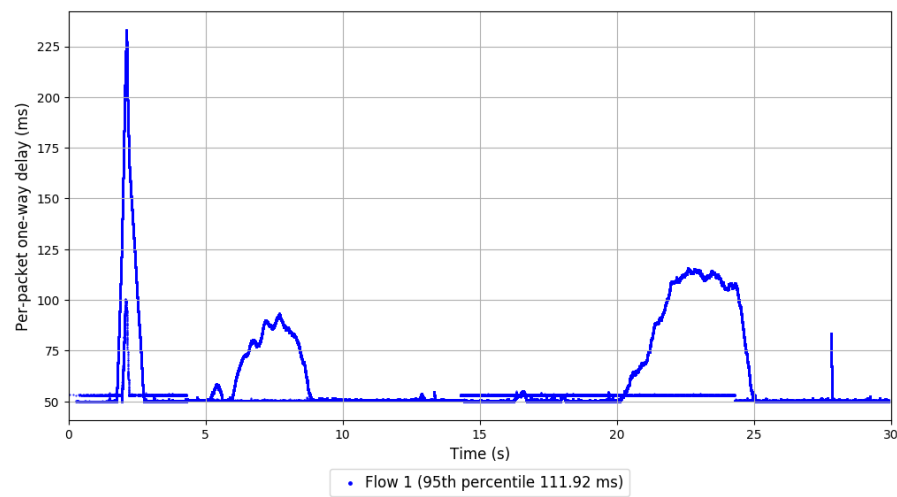
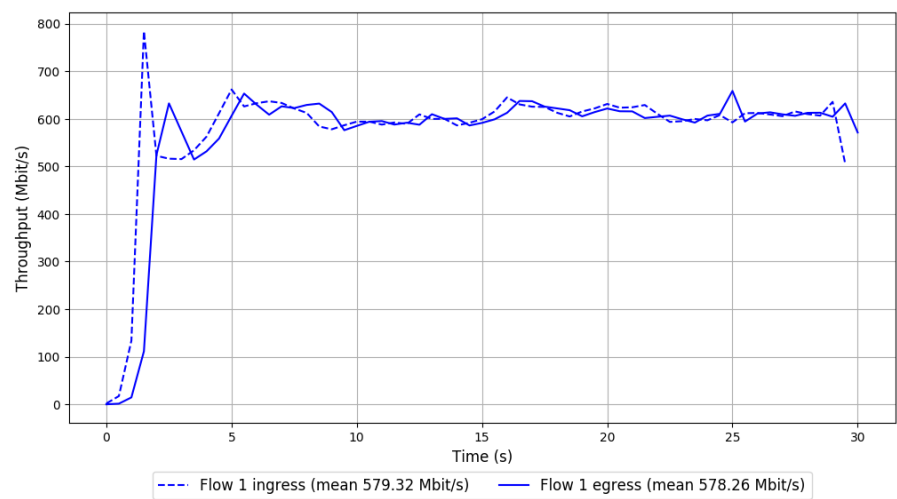
-- Flow 1:

Average throughput: 578.26 Mbit/s

95th percentile per-packet one-way delay: 111.919 ms

Loss rate: 0.19%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-05 15:57:50

End at: 2018-07-05 15:58:20

Local clock offset: -0.093 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-05 17:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.80 Mbit/s

95th percentile per-packet one-way delay: 182.762 ms

Loss rate: 1.28%

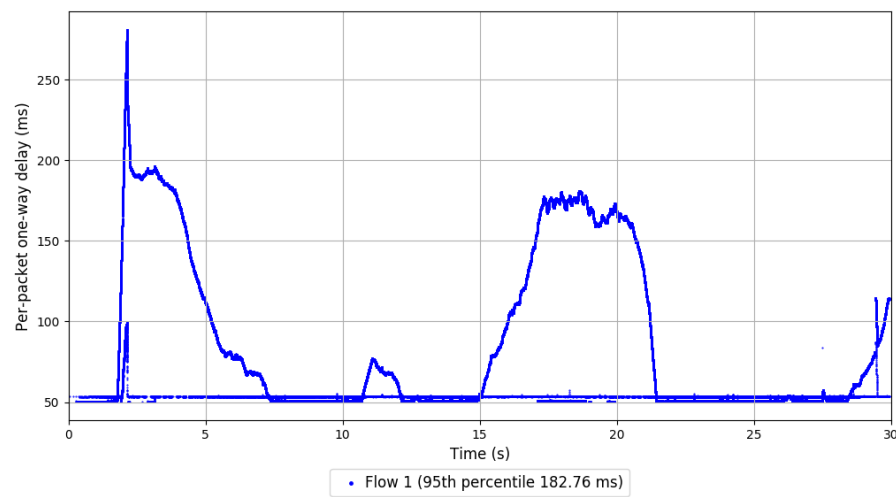
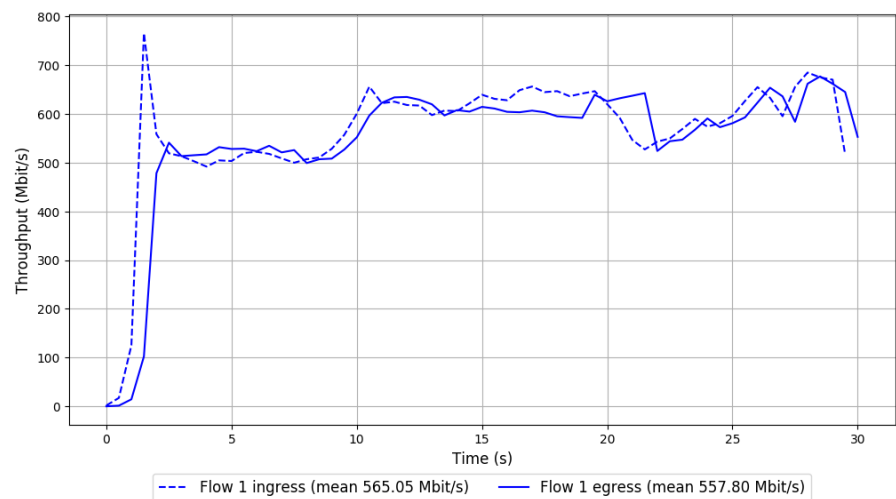
-- Flow 1:

Average throughput: 557.80 Mbit/s

95th percentile per-packet one-way delay: 182.762 ms

Loss rate: 1.28%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-05 16:19:54

End at: 2018-07-05 16:20:24

Local clock offset: -0.023 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-05 17:53:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.96 Mbit/s

95th percentile per-packet one-way delay: 173.471 ms

Loss rate: 1.61%

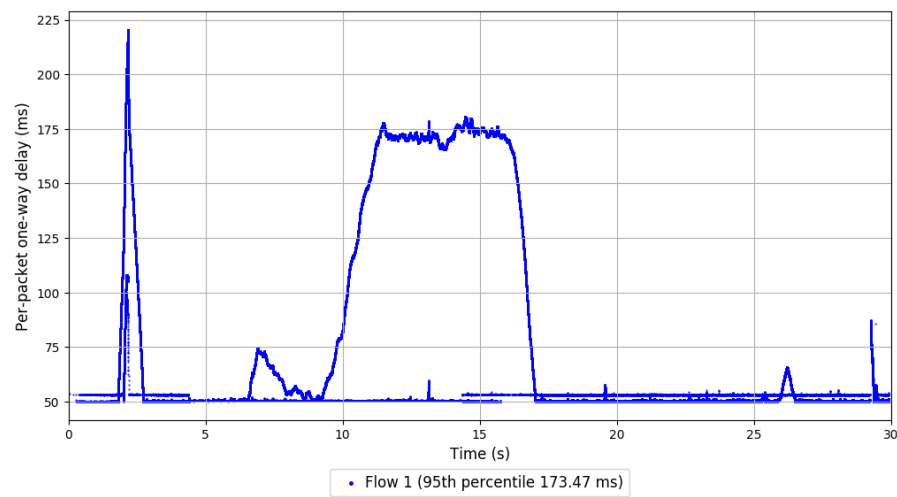
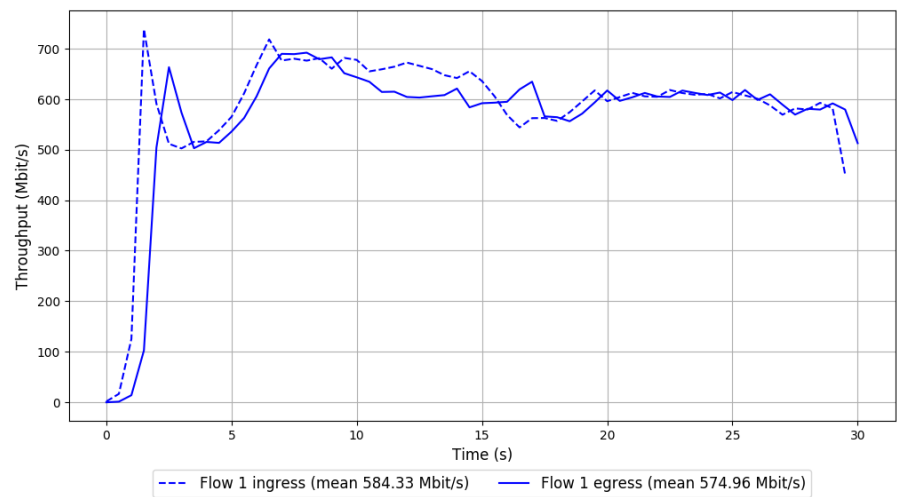
-- Flow 1:

Average throughput: 574.96 Mbit/s

95th percentile per-packet one-way delay: 173.471 ms

Loss rate: 1.61%

Run 10: Report of PCC-Allegro — Data Link

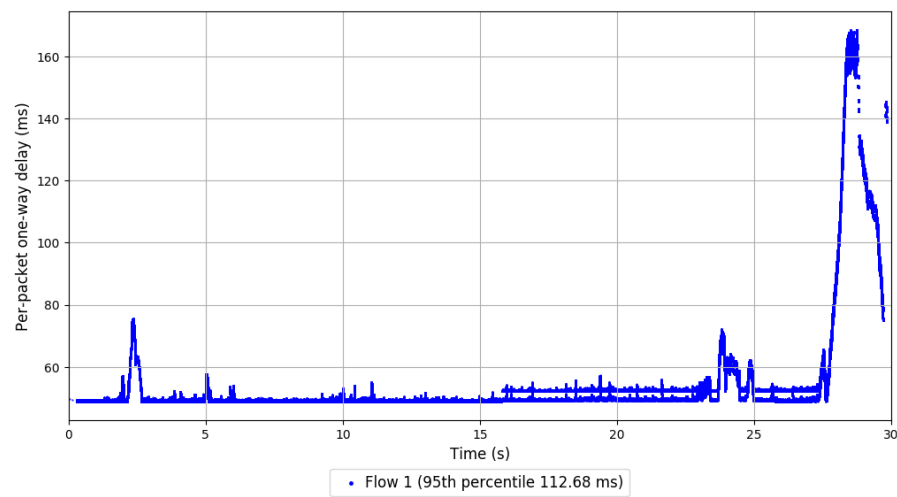
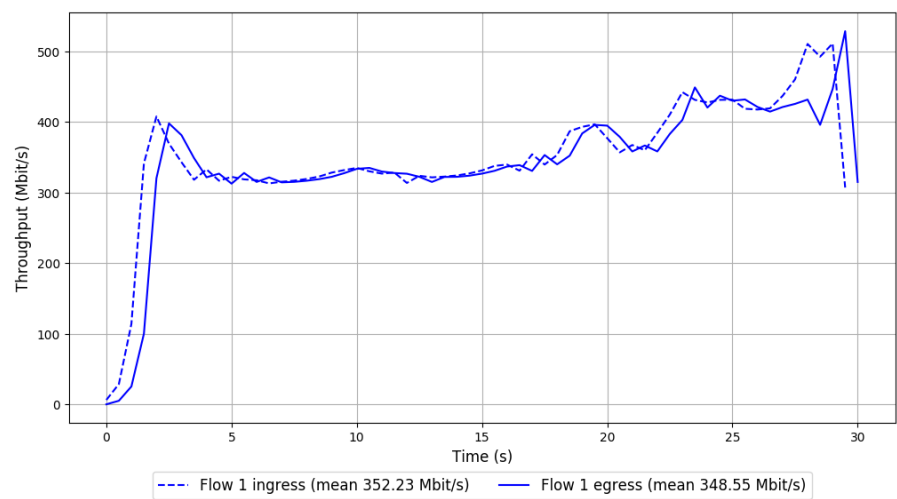


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-05 13:10:03
End at: 2018-07-05 13:10:33
Local clock offset: -0.221 ms
Remote clock offset: -1.552 ms

# Below is generated by plot.py at 2018-07-05 17:54:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 348.55 Mbit/s
95th percentile per-packet one-way delay: 112.677 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 348.55 Mbit/s
95th percentile per-packet one-way delay: 112.677 ms
Loss rate: 1.03%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-05 13:31:27

End at: 2018-07-05 13:31:57

Local clock offset: -0.061 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-05 17:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.18 Mbit/s

95th percentile per-packet one-way delay: 209.528 ms

Loss rate: 0.71%

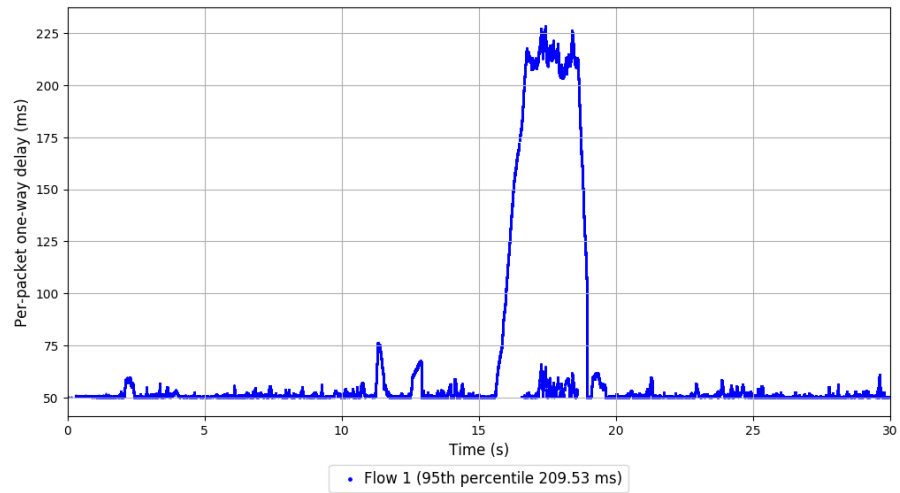
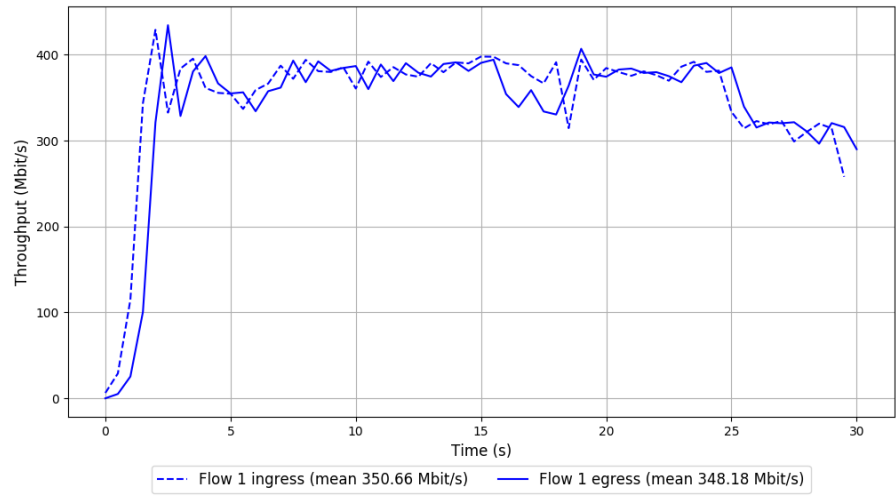
-- Flow 1:

Average throughput: 348.18 Mbit/s

95th percentile per-packet one-way delay: 209.528 ms

Loss rate: 0.71%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-05 13:53:28

End at: 2018-07-05 13:53:58

Local clock offset: 0.065 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-05 17:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.15 Mbit/s

95th percentile per-packet one-way delay: 53.559 ms

Loss rate: 0.00%

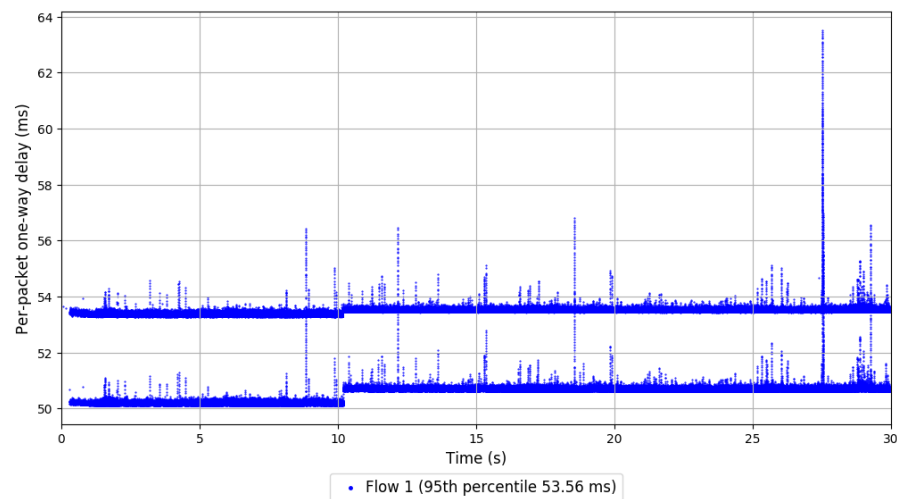
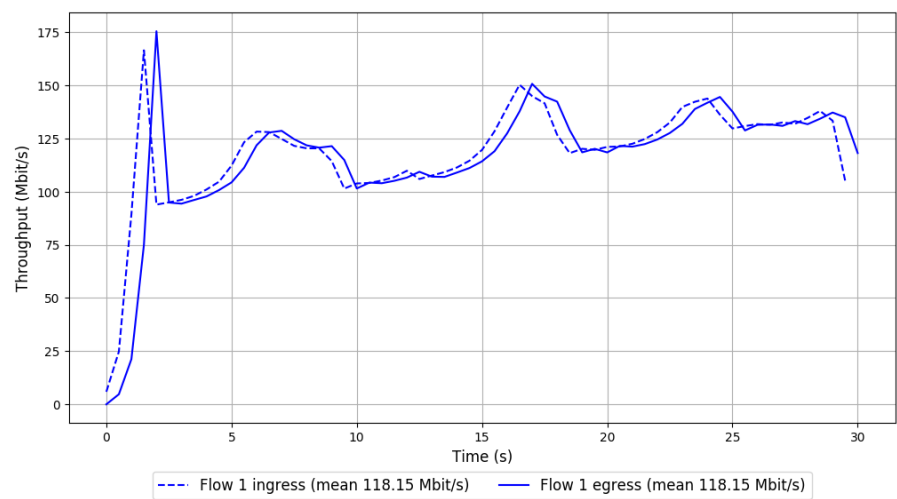
-- Flow 1:

Average throughput: 118.15 Mbit/s

95th percentile per-packet one-way delay: 53.559 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-05 14:15:24

End at: 2018-07-05 14:15:54

Local clock offset: 0.092 ms

Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-07-05 17:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.37 Mbit/s

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

Loss rate: 0.00%

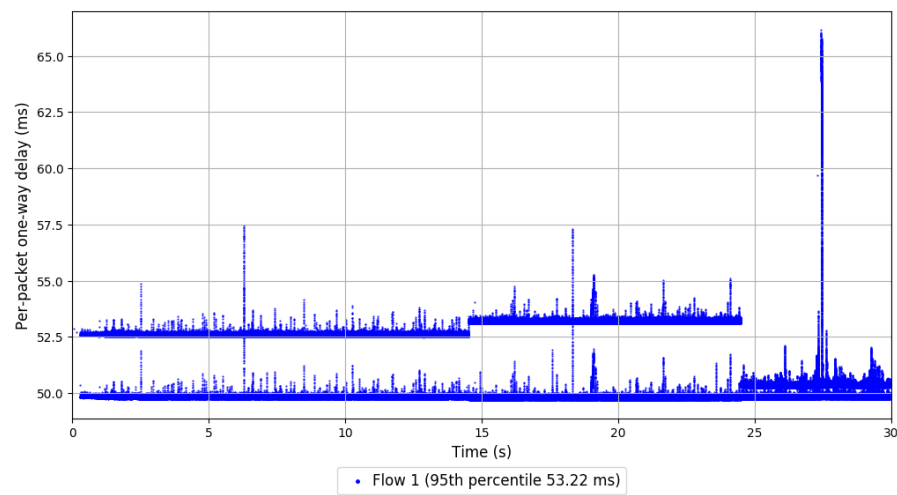
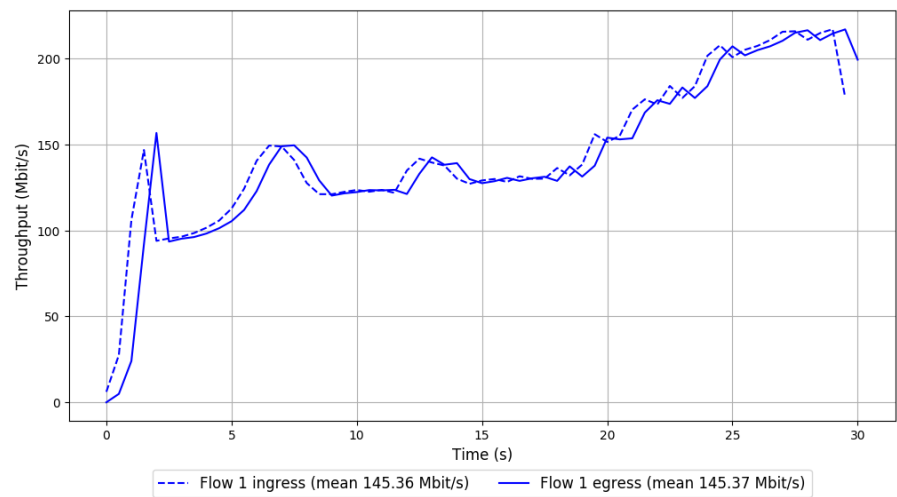
-- Flow 1:

Average throughput: 145.37 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

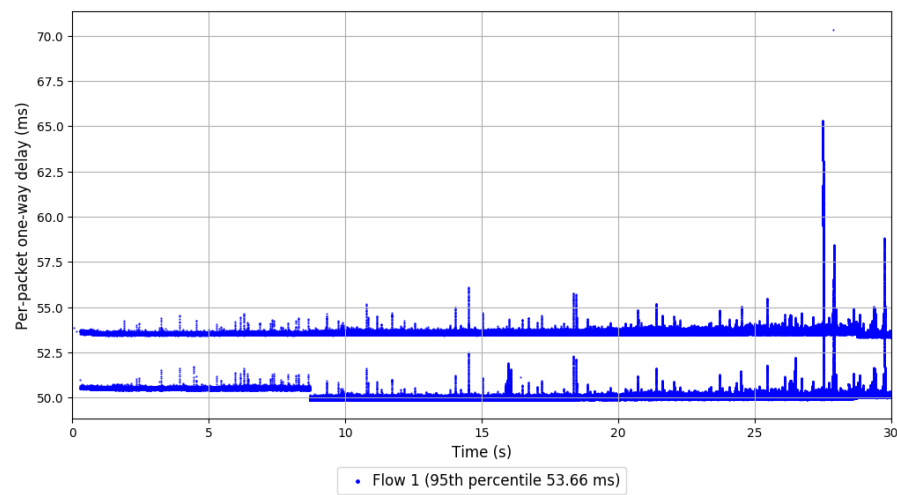
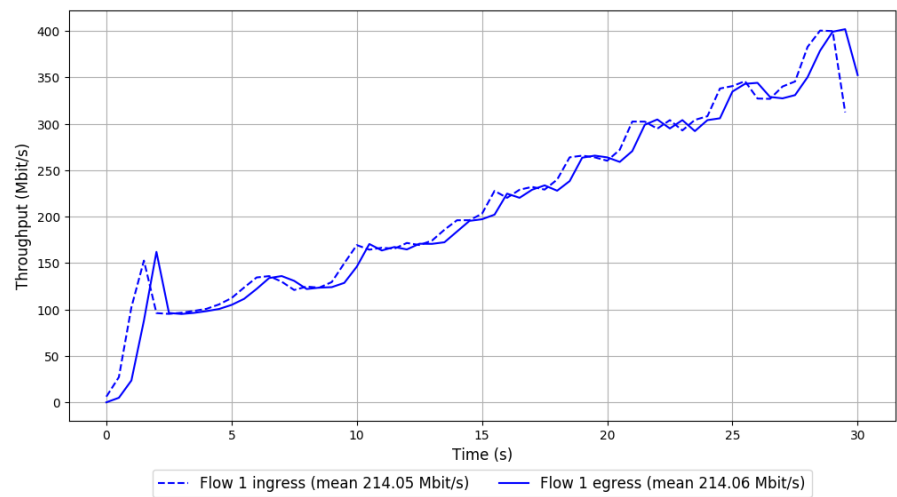


Run 5: Statistics of PCC-Expr

Start at: 2018-07-05 14:37:20
End at: 2018-07-05 14:37:50
Local clock offset: 0.026 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-05 17:56:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-05 14:59:05

End at: 2018-07-05 14:59:35

Local clock offset: -0.11 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-07-05 17:57:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.43 Mbit/s

95th percentile per-packet one-way delay: 54.966 ms

Loss rate: 0.00%

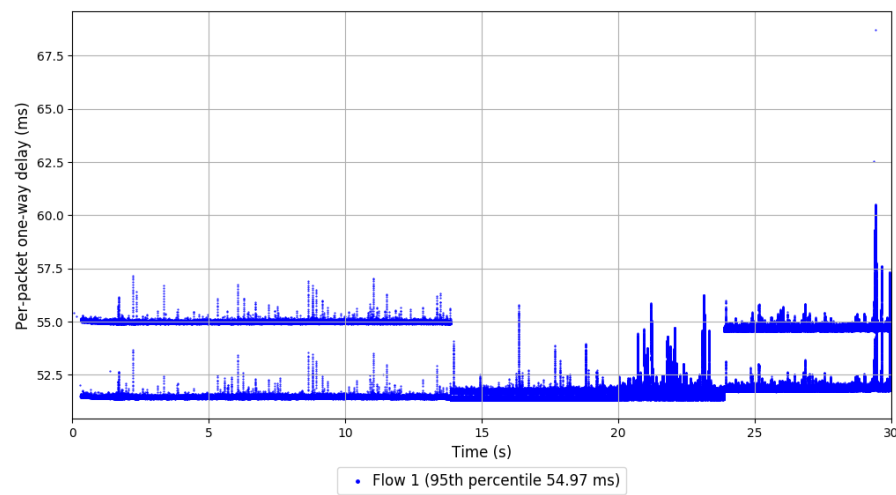
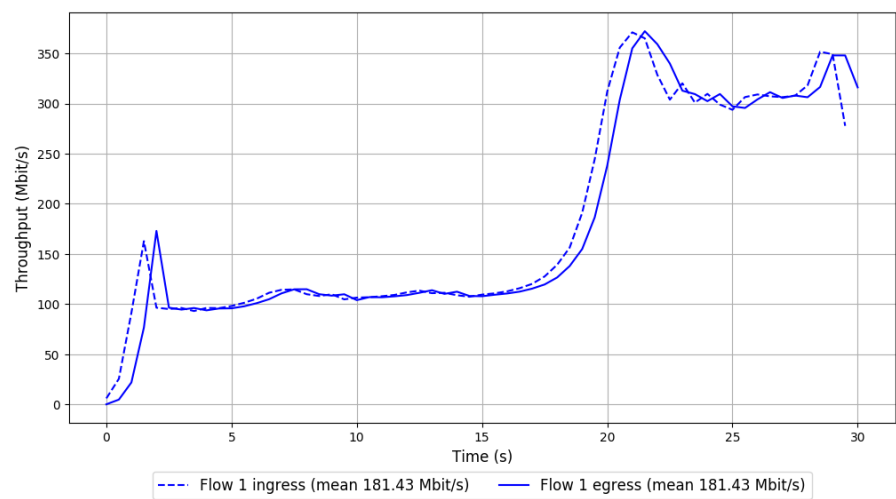
-- Flow 1:

Average throughput: 181.43 Mbit/s

95th percentile per-packet one-way delay: 54.966 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

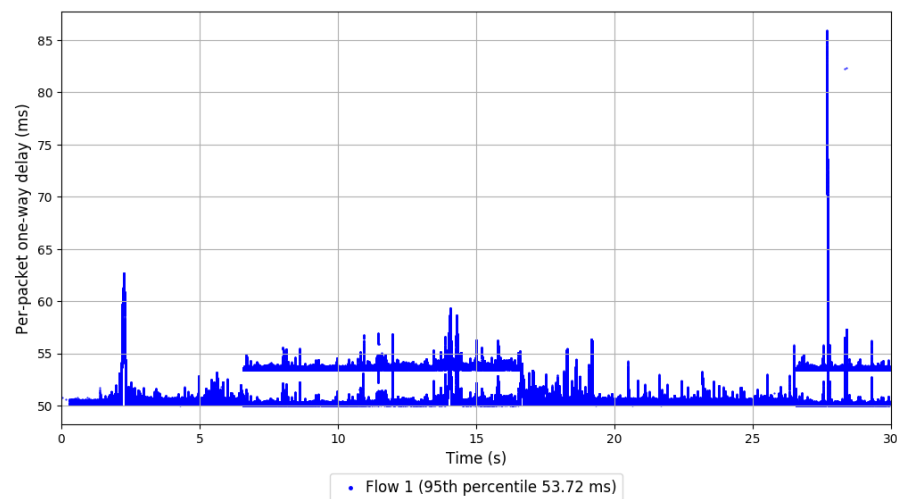
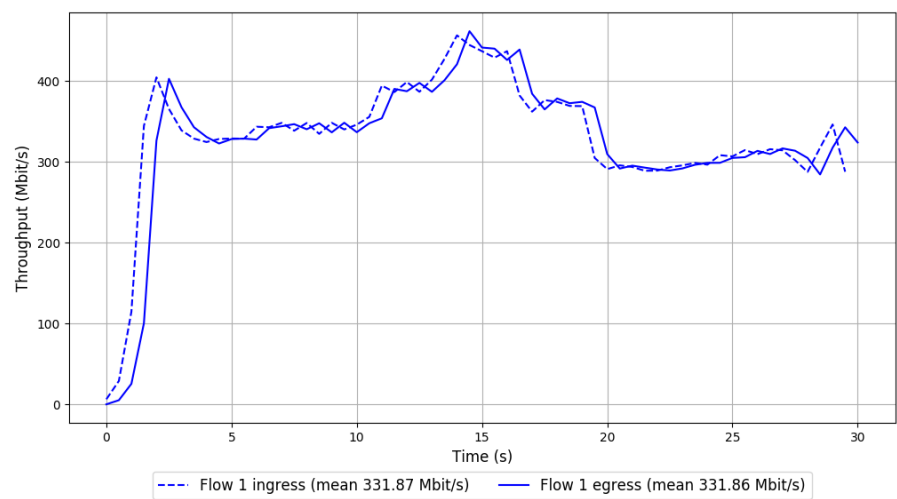


Run 7: Statistics of PCC-Expr

Start at: 2018-07-05 15:20:52
End at: 2018-07-05 15:21:22
Local clock offset: -0.098 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-05 18:04:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.86 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.86 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-05 15:42:40

End at: 2018-07-05 15:43:10

Local clock offset: 0.059 ms

Remote clock offset: 1.154 ms

Below is generated by plot.py at 2018-07-05 18:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.12 Mbit/s

95th percentile per-packet one-way delay: 162.917 ms

Loss rate: 0.88%

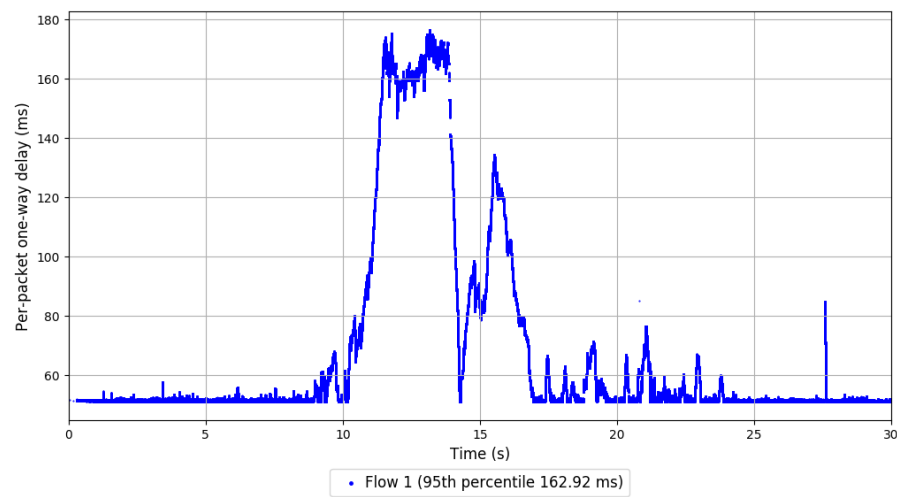
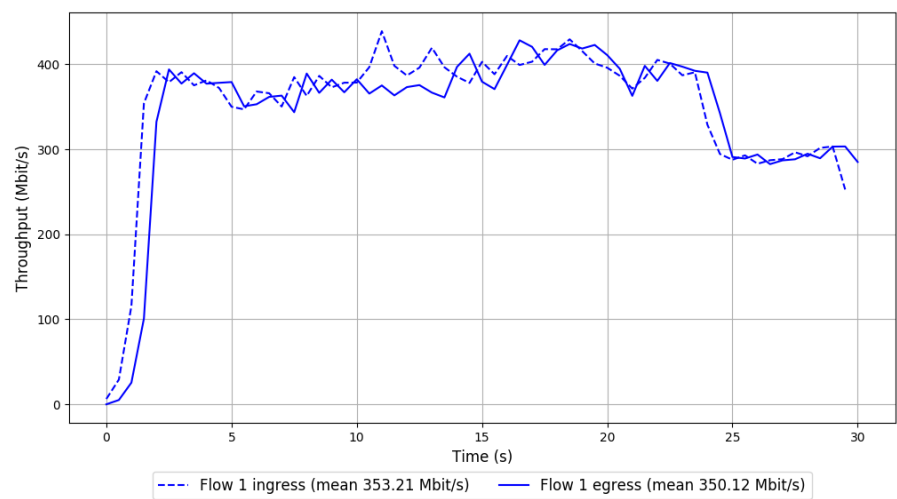
-- Flow 1:

Average throughput: 350.12 Mbit/s

95th percentile per-packet one-way delay: 162.917 ms

Loss rate: 0.88%

Run 8: Report of PCC-Expr — Data Link

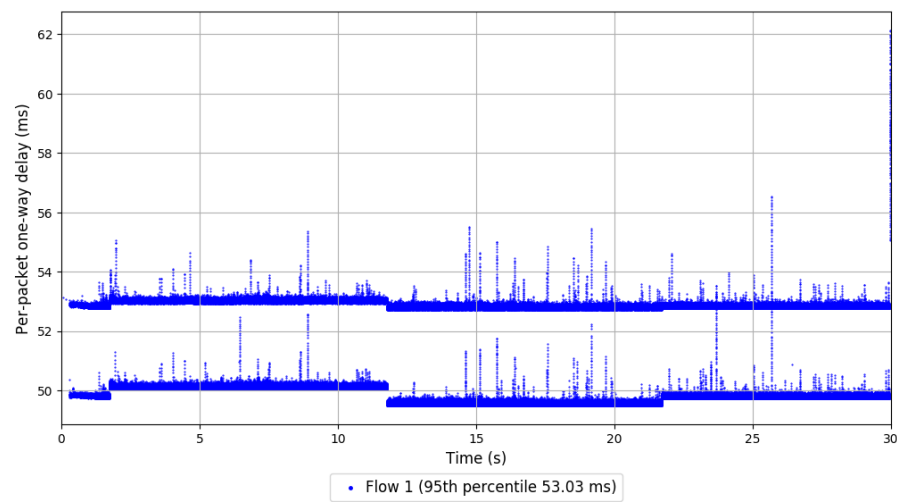
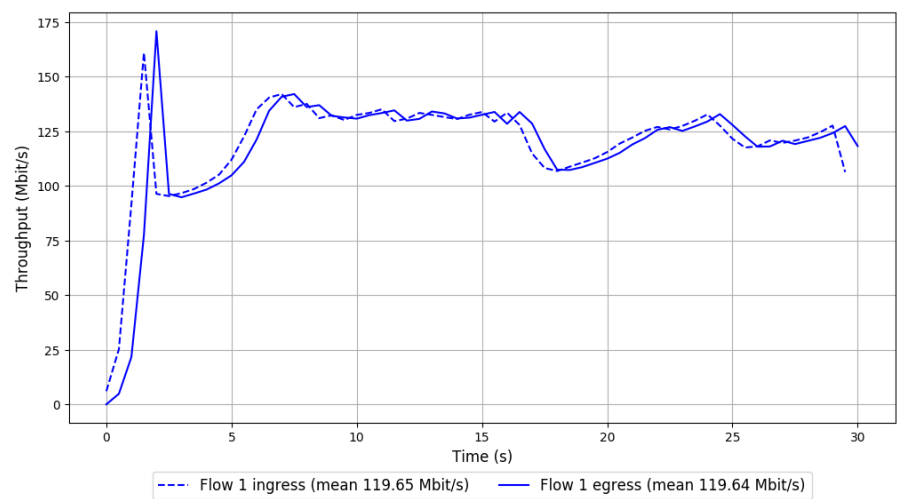


Run 9: Statistics of PCC-Expr

Start at: 2018-07-05 16:04:57
End at: 2018-07-05 16:05:27
Local clock offset: 0.178 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-05 18:04:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.64 Mbit/s
95th percentile per-packet one-way delay: 53.029 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 119.64 Mbit/s
95th percentile per-packet one-way delay: 53.029 ms
Loss rate: 0.01%

Run 9: Report of PCC-Expr — Data Link

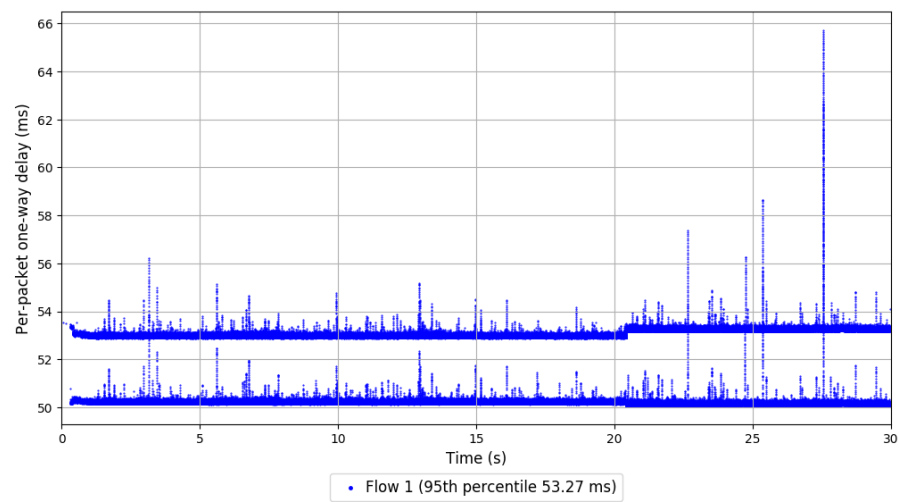
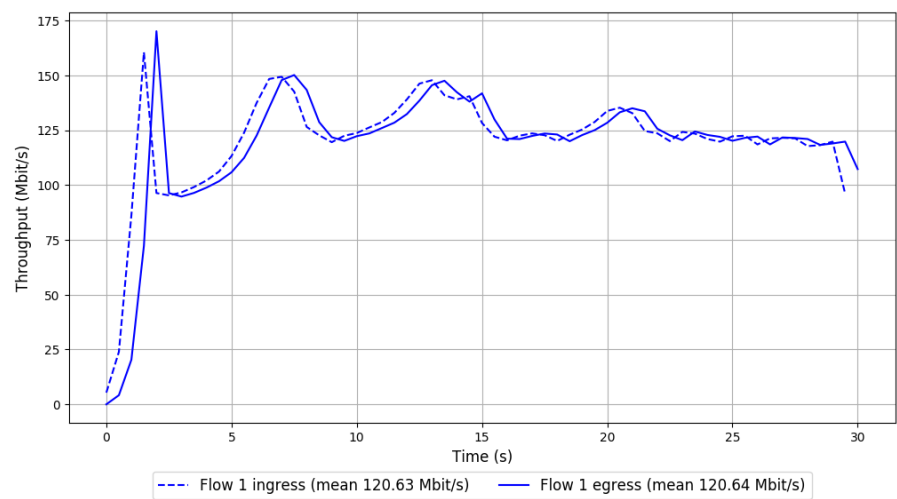


Run 10: Statistics of PCC-Expr

Start at: 2018-07-05 16:26:58
End at: 2018-07-05 16:27:28
Local clock offset: -0.059 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-05 18:04:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.64 Mbit/s
95th percentile per-packet one-way delay: 53.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.64 Mbit/s
95th percentile per-packet one-way delay: 53.272 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

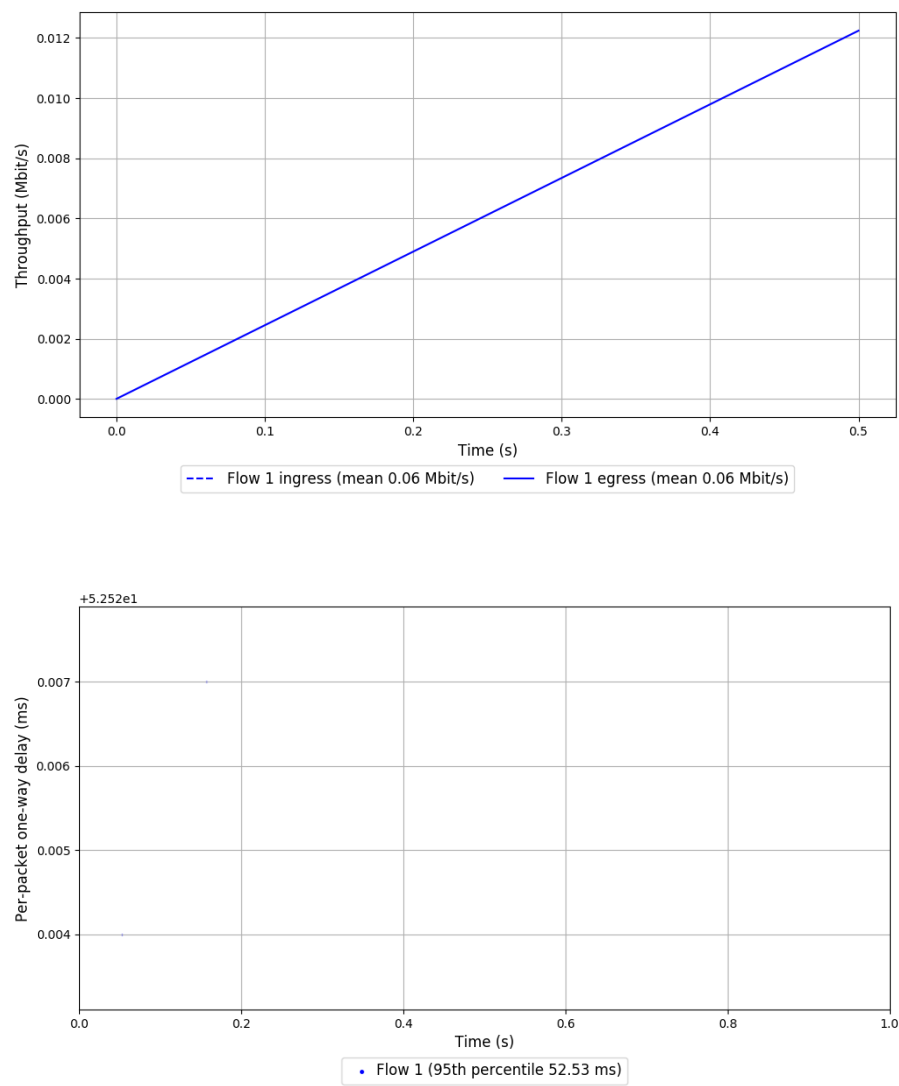
Start at: 2018-07-05 13:01:16

End at: 2018-07-05 13:01:46

Local clock offset: 0.133 ms

Remote clock offset: -1.418 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-05 13:22:34

End at: 2018-07-05 13:23:04

Local clock offset: -0.151 ms

Remote clock offset: 1.197 ms

Below is generated by plot.py at 2018-07-05 18:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.07 Mbit/s

95th percentile per-packet one-way delay: 54.615 ms

Loss rate: 0.00%

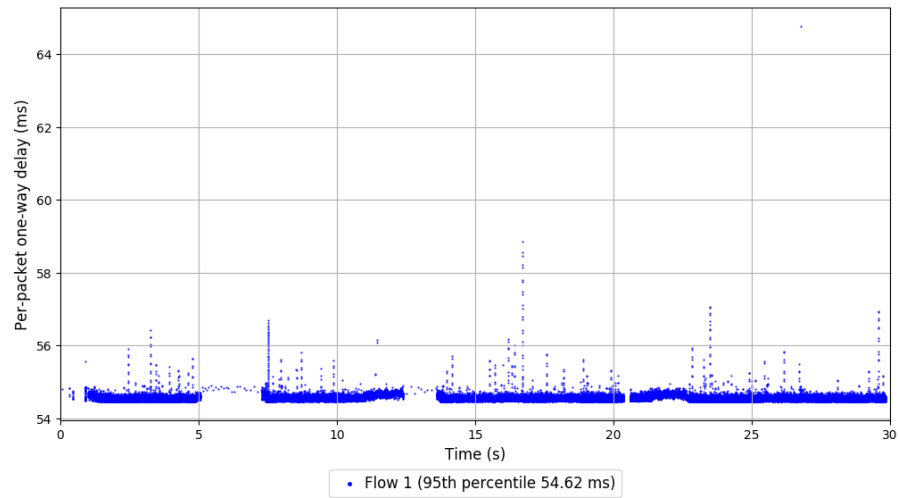
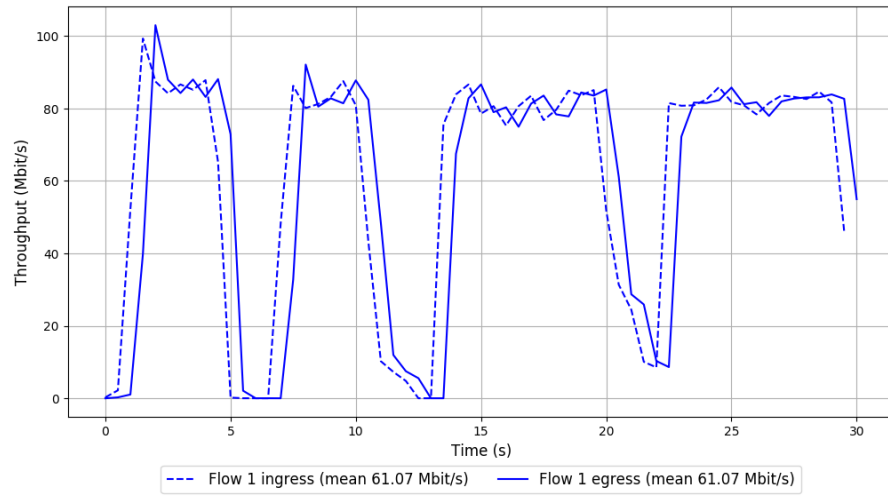
-- Flow 1:

Average throughput: 61.07 Mbit/s

95th percentile per-packet one-way delay: 54.615 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-05 13:44:09

End at: 2018-07-05 13:44:39

Local clock offset: 0.027 ms

Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-05 18:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 50.229 ms

Loss rate: 0.00%

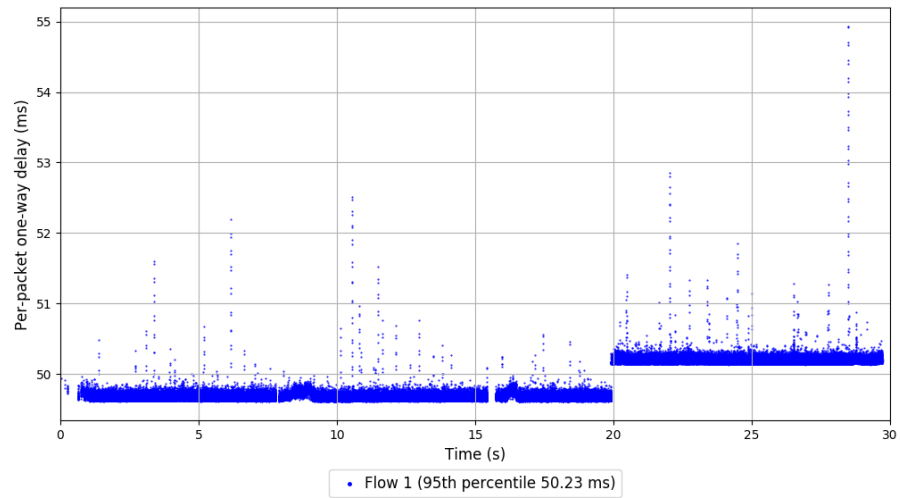
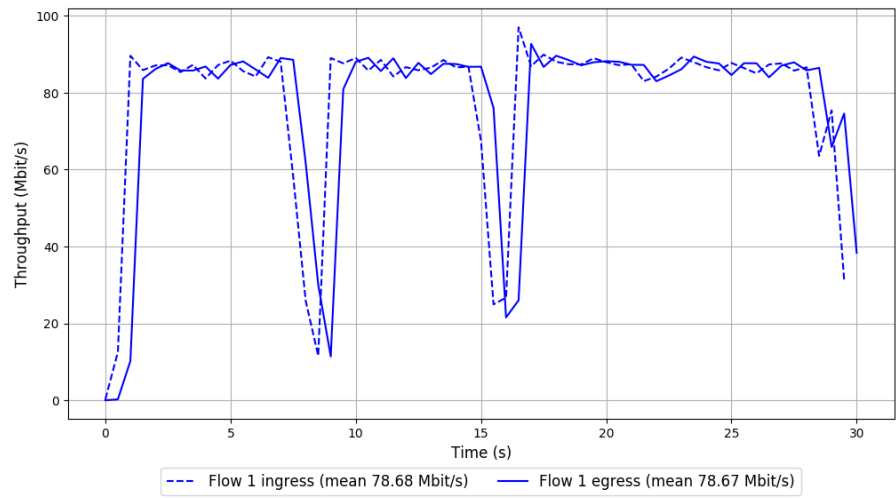
-- Flow 1:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 50.229 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-05 14:05:57

End at: 2018-07-05 14:06:27

Local clock offset: -0.158 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-05 18:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.16 Mbit/s

95th percentile per-packet one-way delay: 56.218 ms

Loss rate: 0.00%

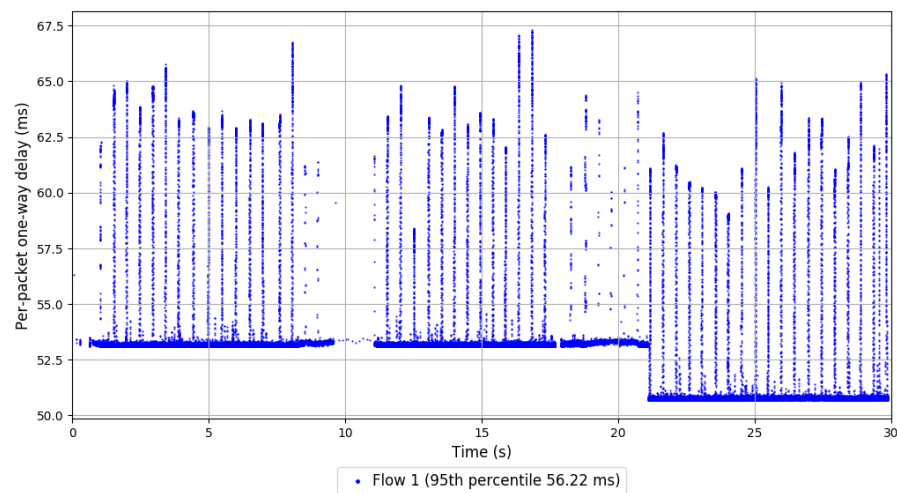
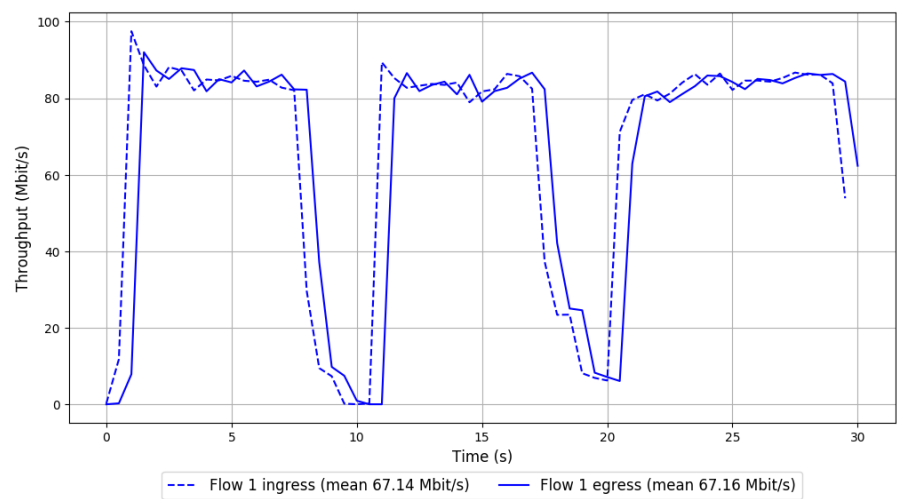
-- Flow 1:

Average throughput: 67.16 Mbit/s

95th percentile per-packet one-way delay: 56.218 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-05 14:27:56

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

Local clock offset: -0.063 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-07-05 18:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 53.895 ms

Loss rate: 0.00%

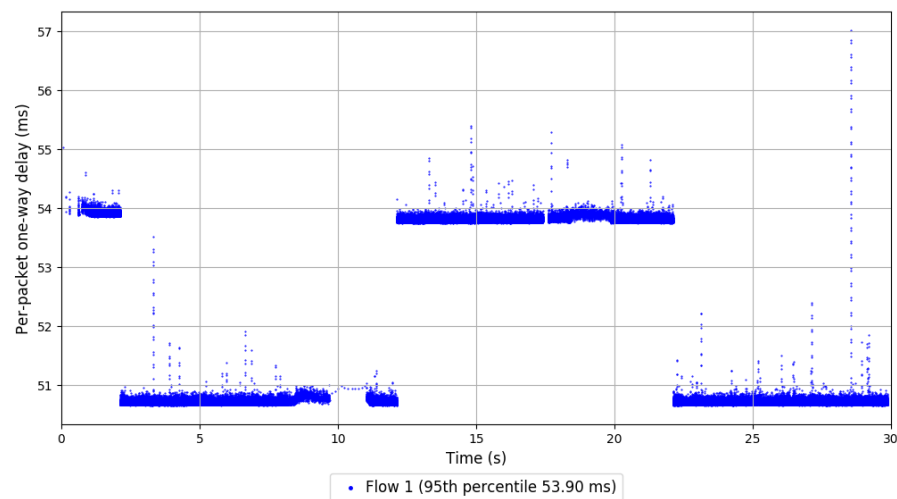
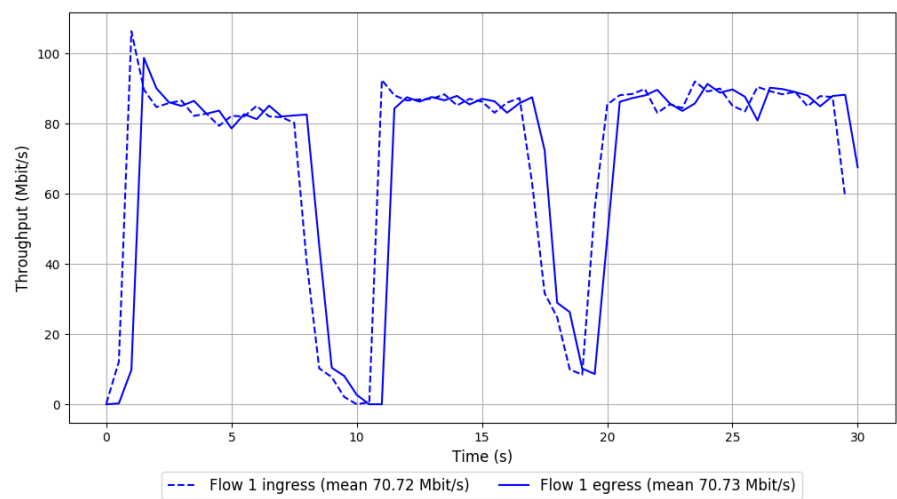
-- Flow 1:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 53.895 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-05 14:49:44

End at: 2018-07-05 14:50:14

Local clock offset: -0.085 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-05 18:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.69 Mbit/s

95th percentile per-packet one-way delay: 53.749 ms

Loss rate: 0.00%

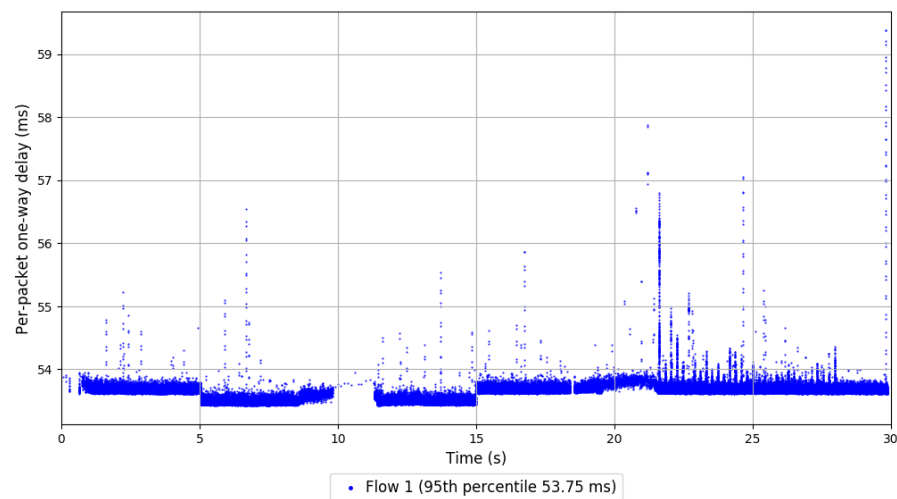
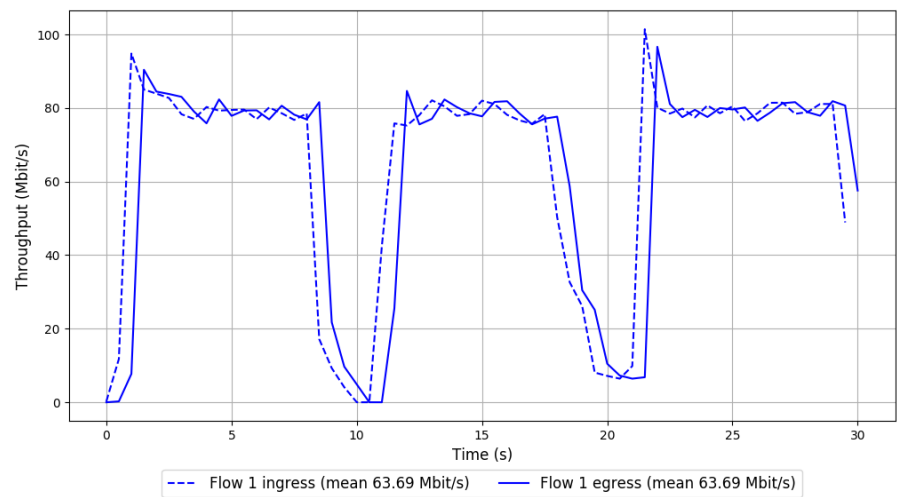
-- Flow 1:

Average throughput: 63.69 Mbit/s

95th percentile per-packet one-way delay: 53.749 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

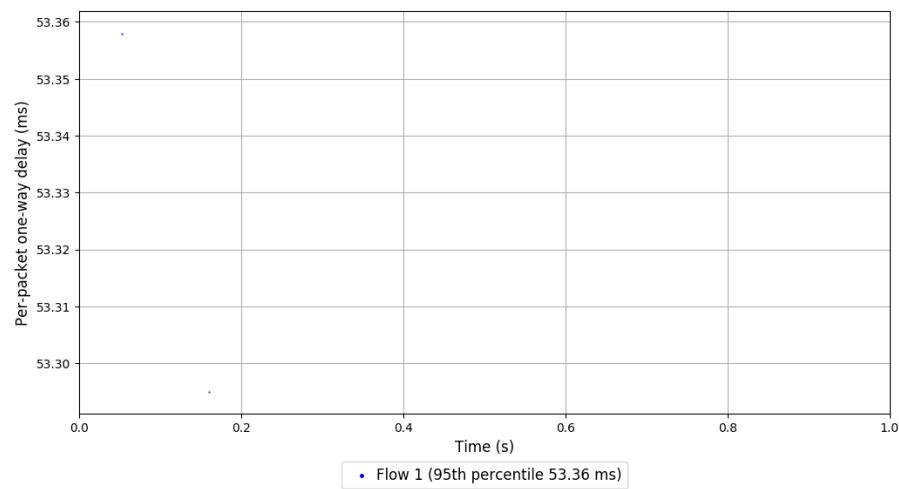
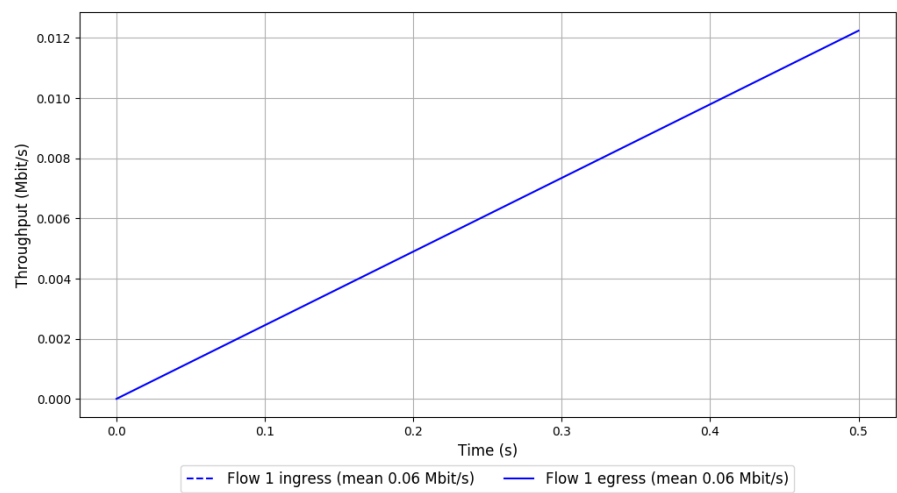
Start at: 2018-07-05 15:11:24

End at: 2018-07-05 15:11:54

Local clock offset: -0.028 ms

Remote clock offset: -0.046 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

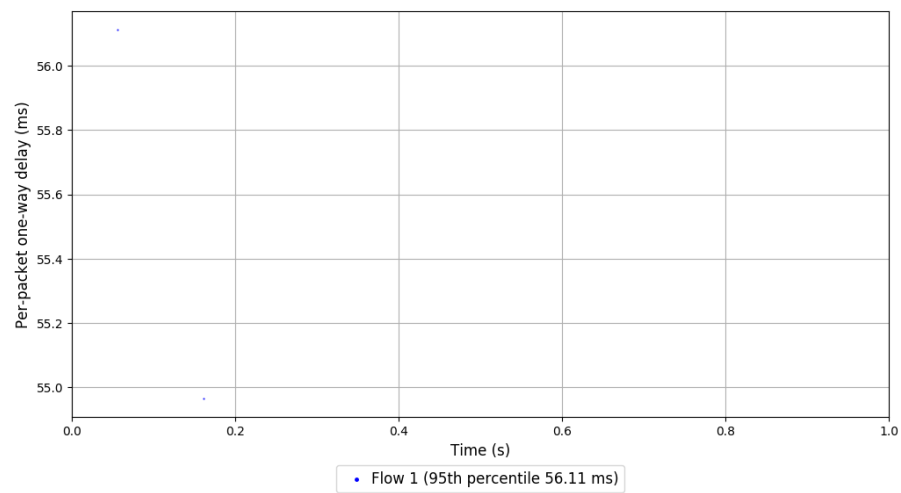
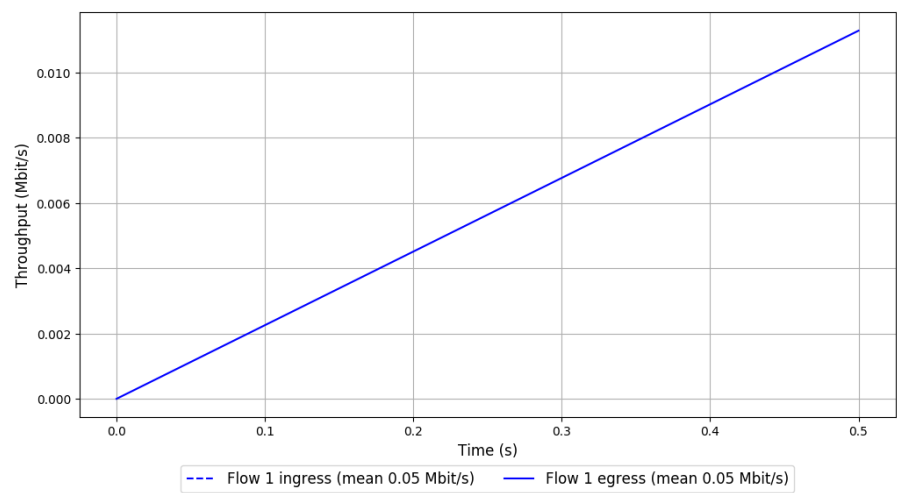
Start at: 2018-07-05 15:33:31

End at: 2018-07-05 15:34:01

Local clock offset: -0.056 ms

Remote clock offset: 1.373 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-05 15:55:33

End at: 2018-07-05 15:56:04

Local clock offset: -0.144 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-05 18:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.91 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 0.00%

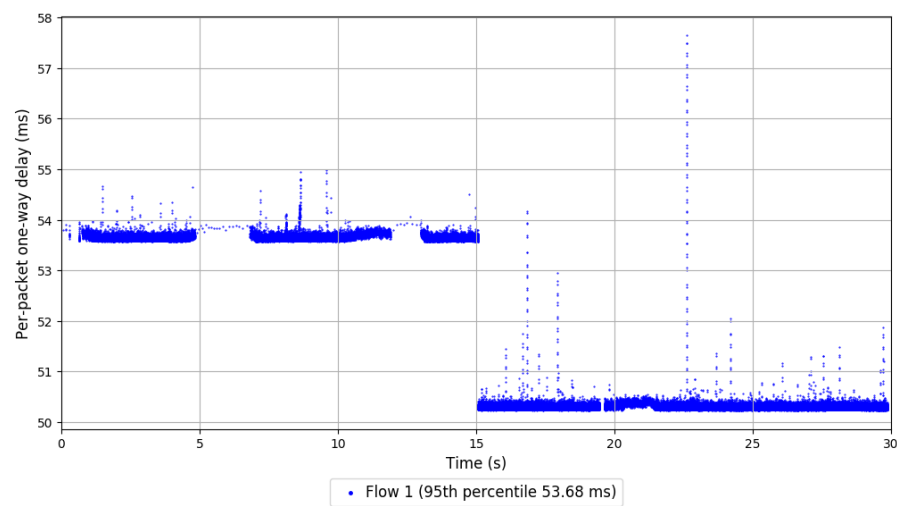
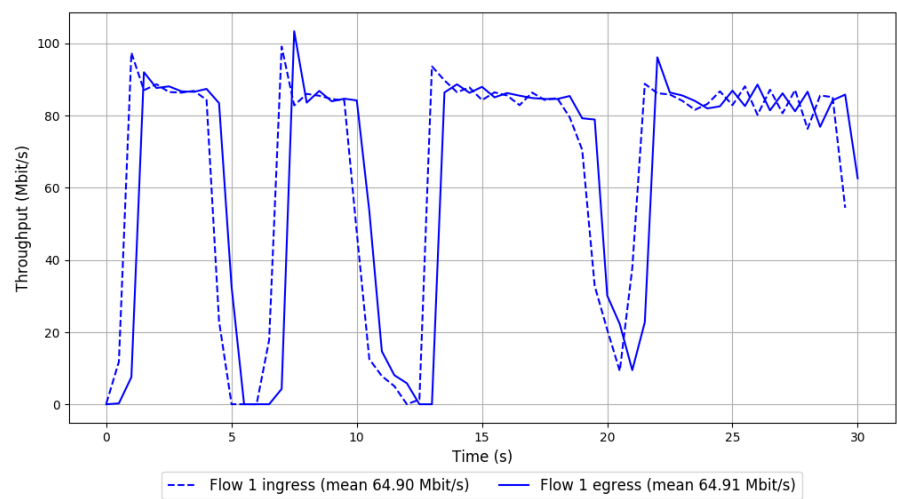
-- Flow 1:

Average throughput: 64.91 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

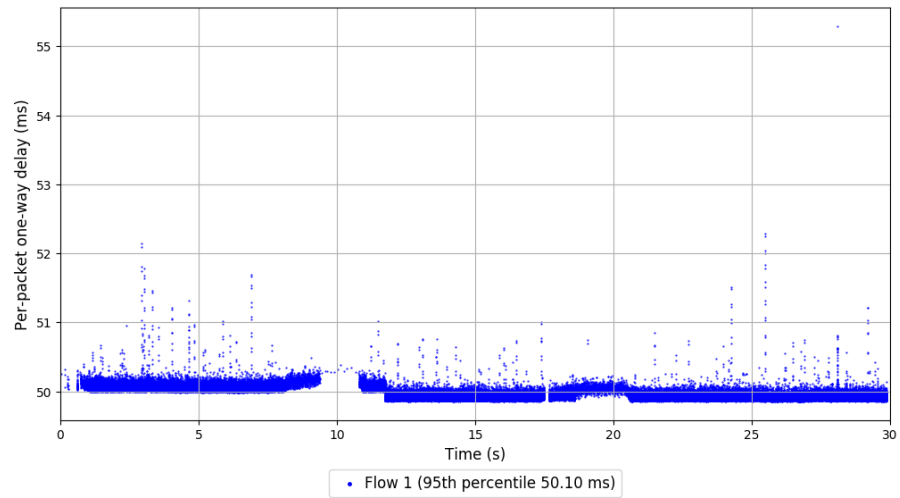
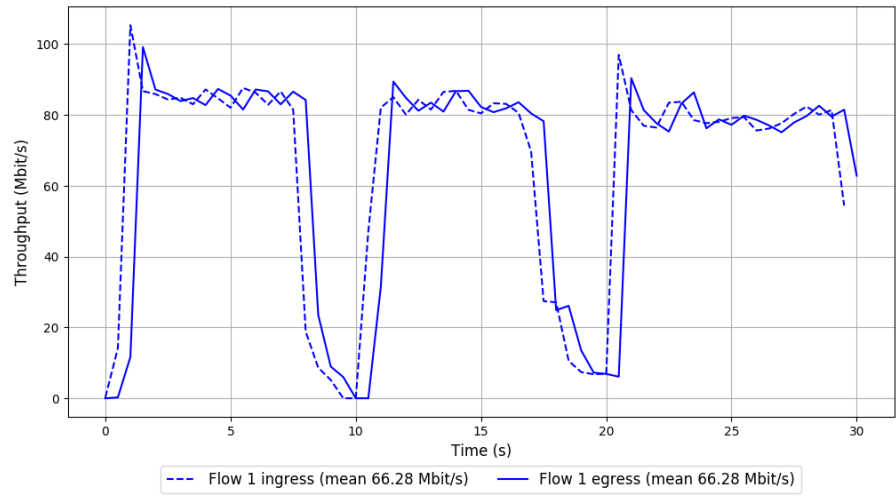


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-05 16:17:37
End at: 2018-07-05 16:18:07
Local clock offset: -0.043 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-05 18:04:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 50.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 50.103 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

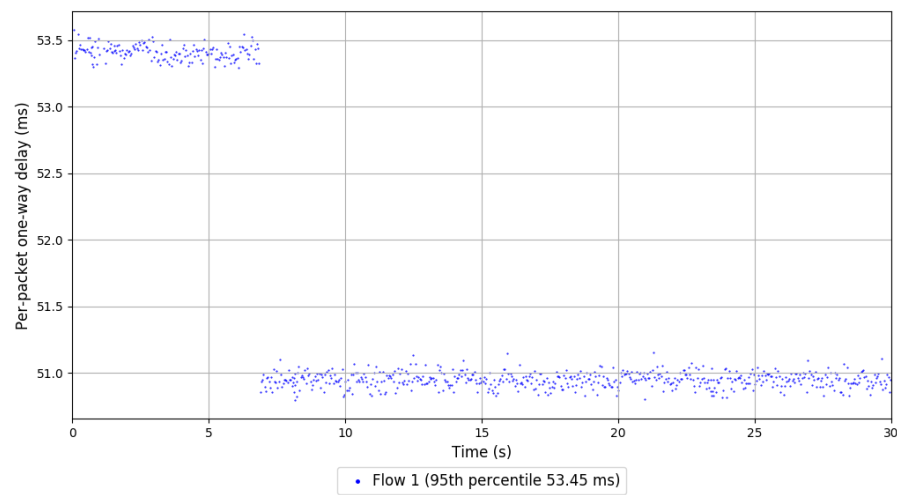
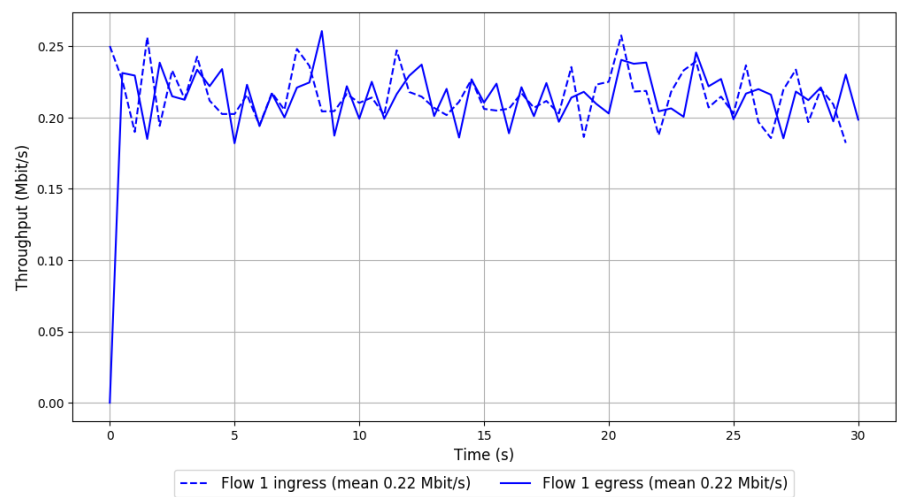


```
Run 1: Statistics of SCReAM

Start at: 2018-07-05 12:50:02
End at: 2018-07-05 12:50:32
Local clock offset: -0.04 ms
Remote clock offset: 0.093 ms

# Below is generated by plot.py at 2018-07-05 18:04:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.447 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

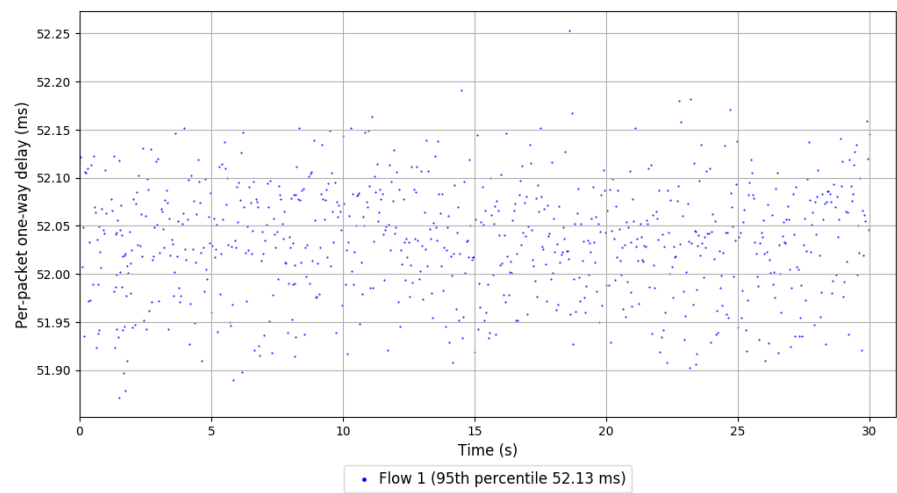
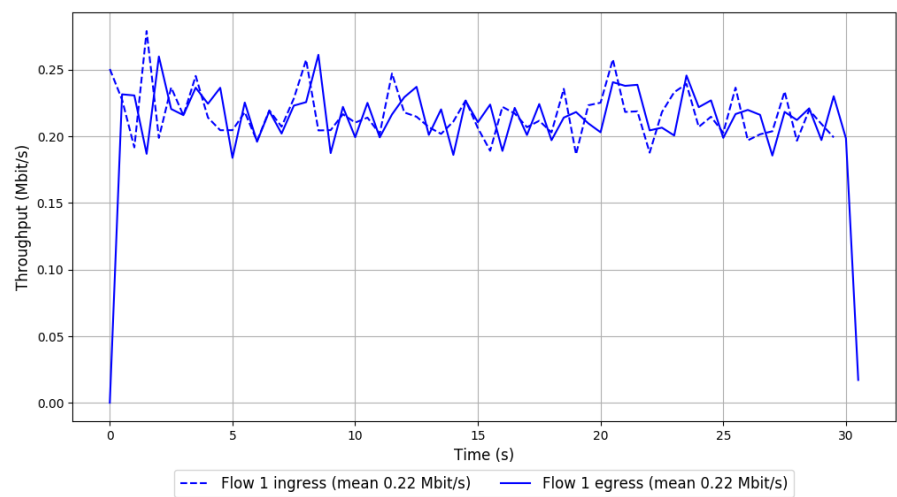


```
Run 2: Statistics of SCReAM

Start at: 2018-07-05 13:11:33
End at: 2018-07-05 13:12:03
Local clock offset: 0.066 ms
Remote clock offset: 1.34 ms

# Below is generated by plot.py at 2018-07-05 18:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.127 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

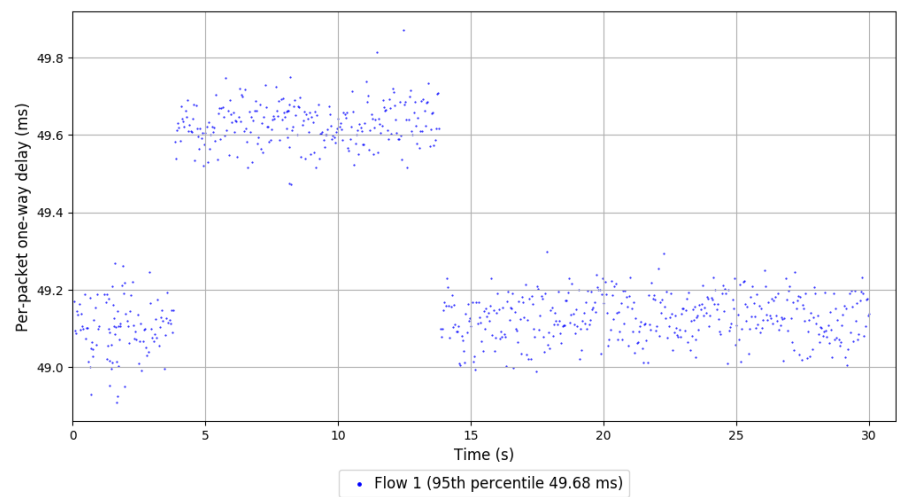
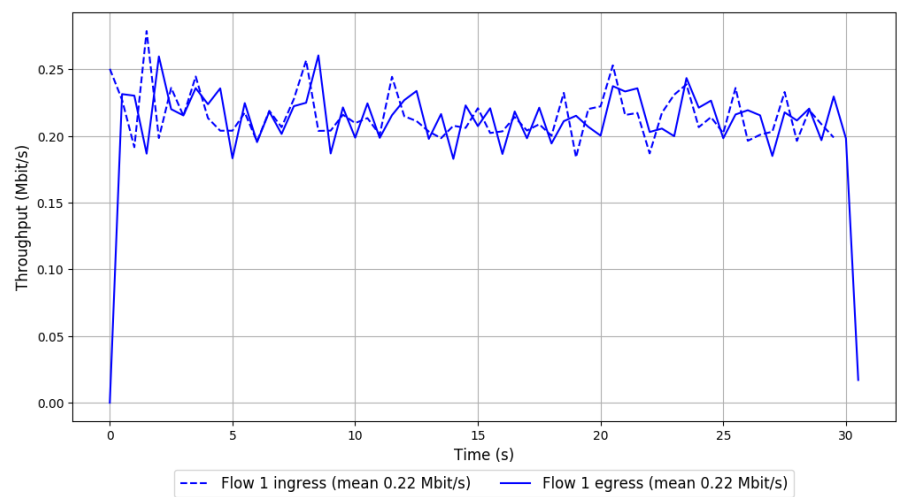


Run 3: Statistics of SCReAM

Start at: 2018-07-05 13:33:05
End at: 2018-07-05 13:33:35
Local clock offset: 0.071 ms
Remote clock offset: -1.214 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.683 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

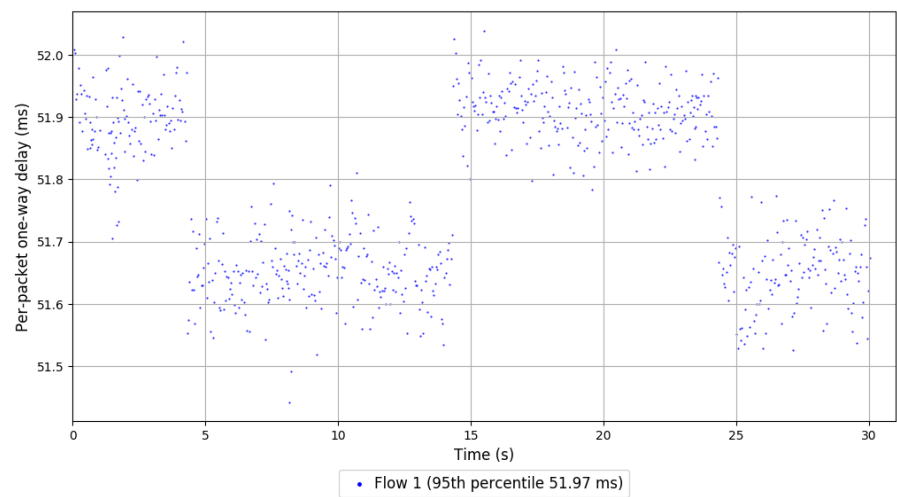
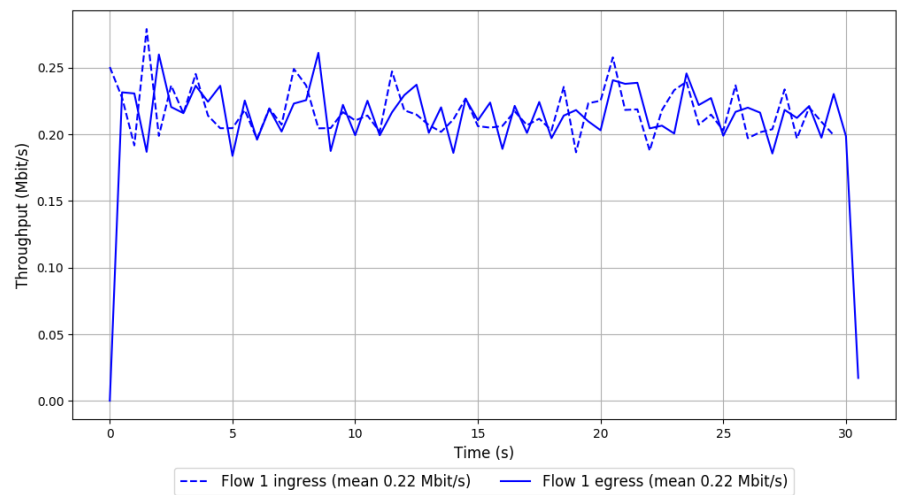


```
Run 4: Statistics of SCReAM

Start at: 2018-07-05 13:54:44
End at: 2018-07-05 13:55:14
Local clock offset: -0.041 ms
Remote clock offset: 1.161 ms

# Below is generated by plot.py at 2018-07-05 18:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.968 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link

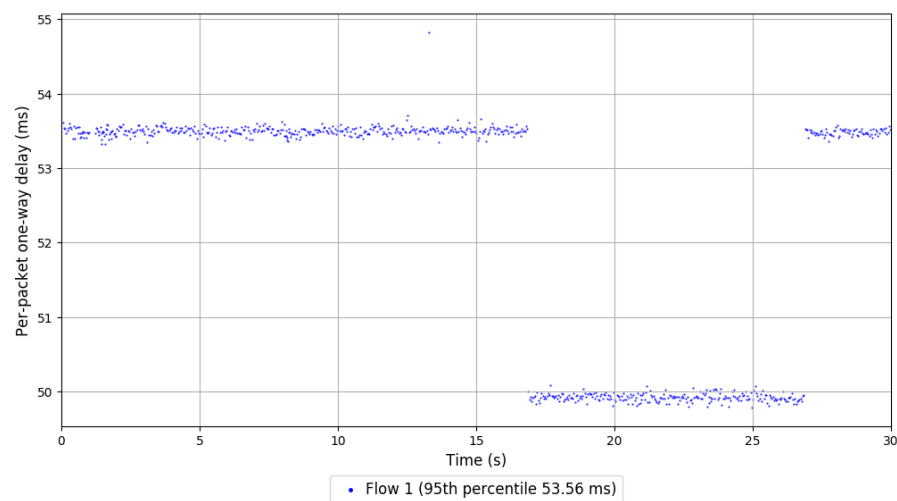
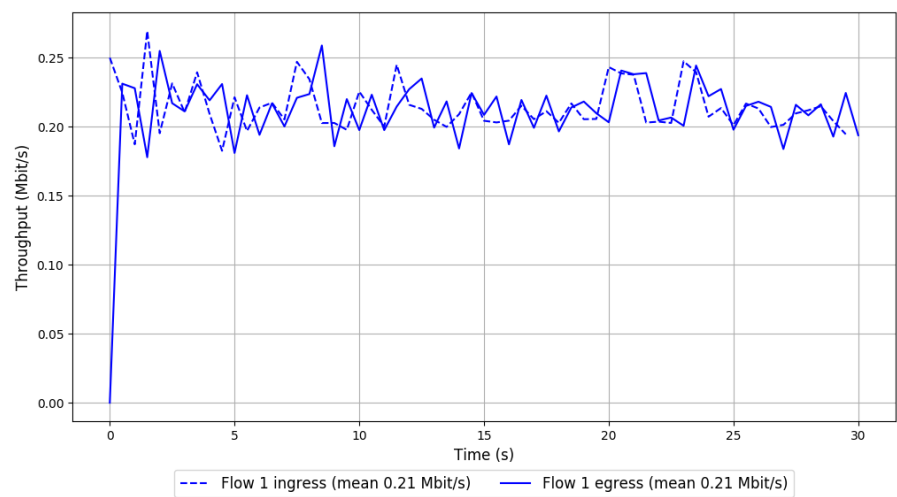


Run 5: Statistics of SCReAM

Start at: 2018-07-05 14:16:42
End at: 2018-07-05 14:17:12
Local clock offset: 0.063 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.565 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.565 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-05 14:38:39

End at: 2018-07-05 14:39:09

Local clock offset: 0.099 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.065 ms

Loss rate: 0.00%

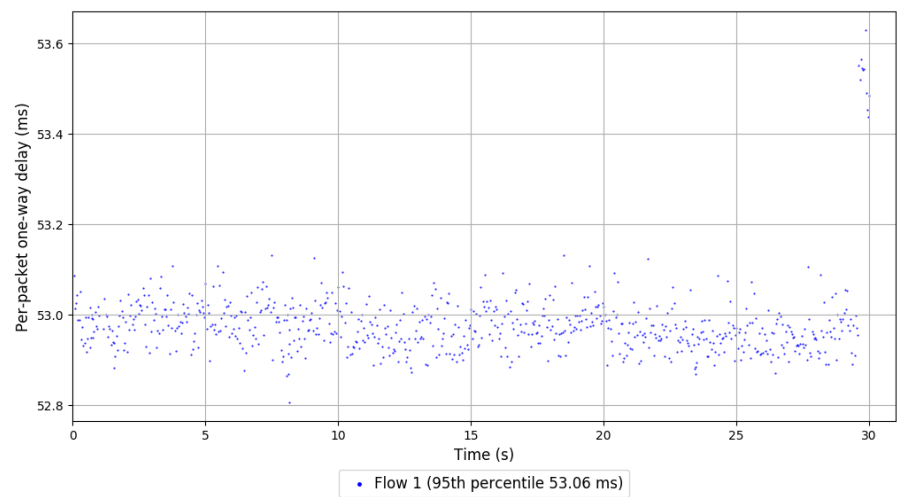
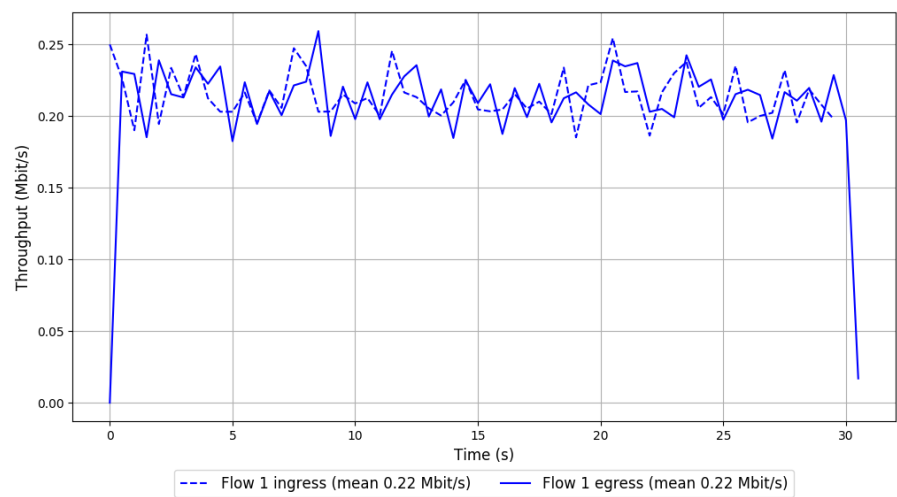
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.065 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-05 15:00:25

End at: 2018-07-05 15:00:55

Local clock offset: -0.271 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.099 ms

Loss rate: 0.00%

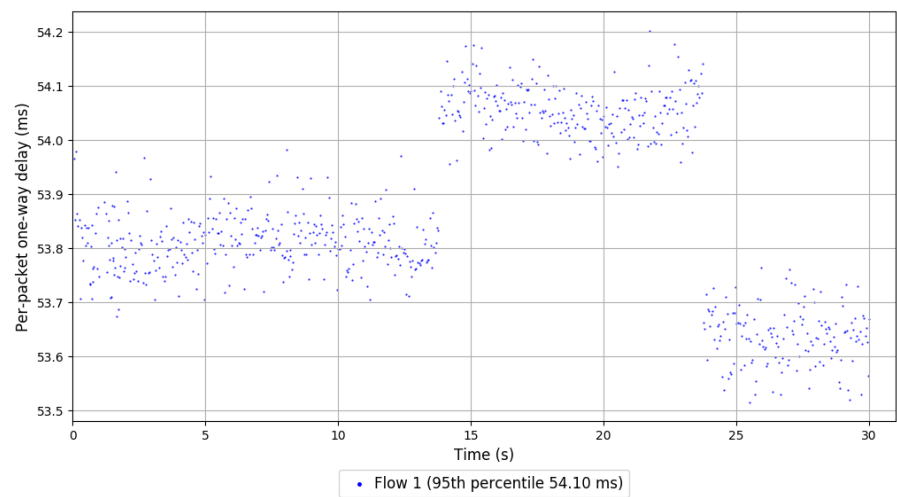
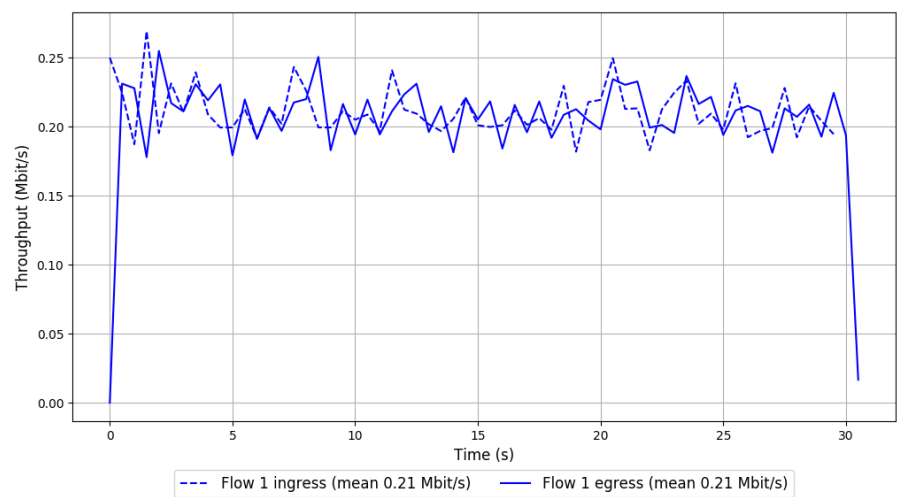
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.099 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-05 15:22:23

End at: 2018-07-05 15:22:53

Local clock offset: -0.119 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

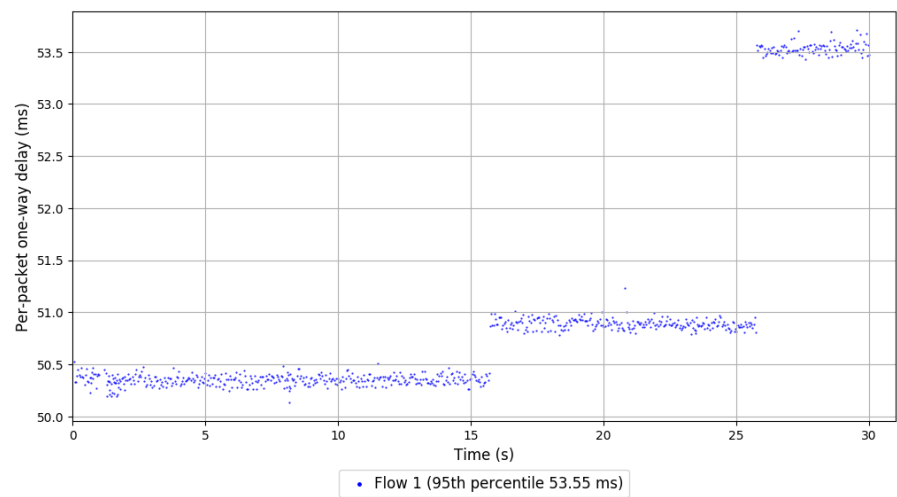
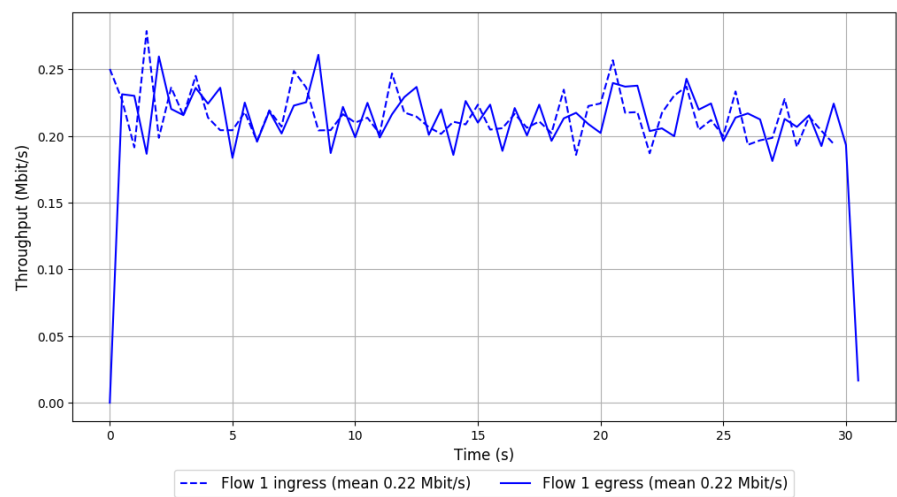
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

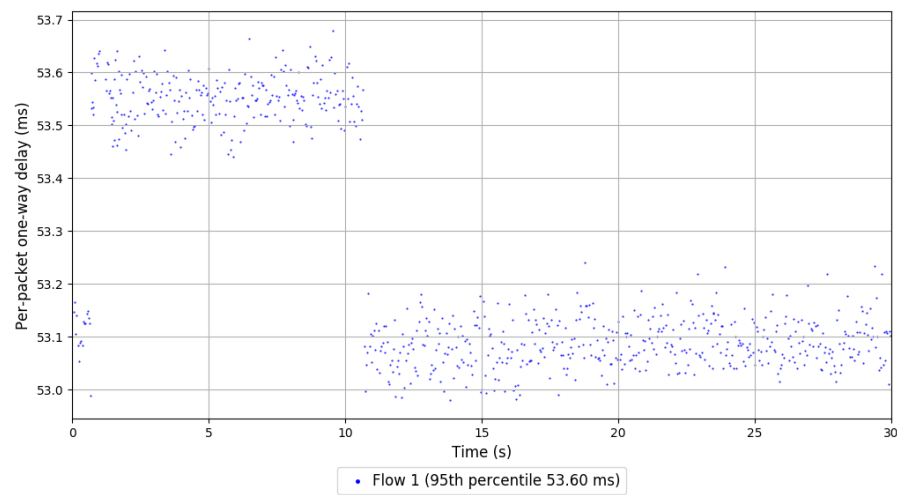
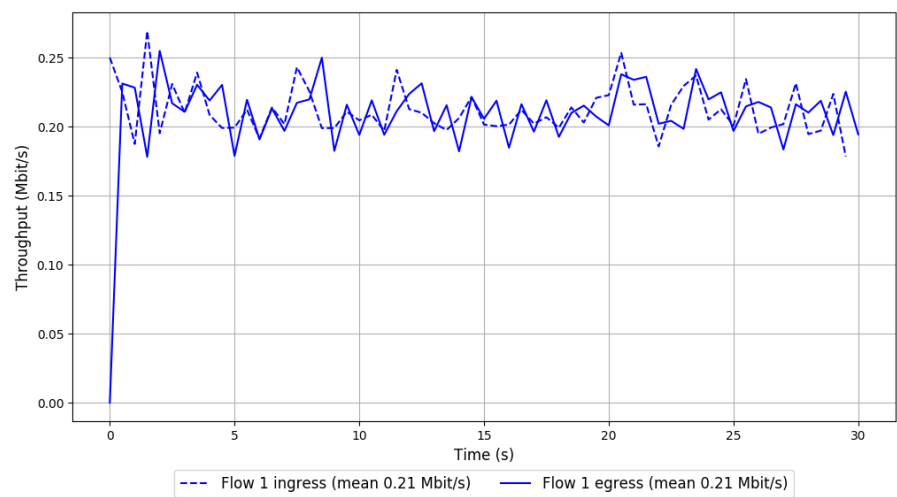


Run 9: Statistics of SCReAM

Start at: 2018-07-05 15:44:18
End at: 2018-07-05 15:44:48
Local clock offset: 0.067 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

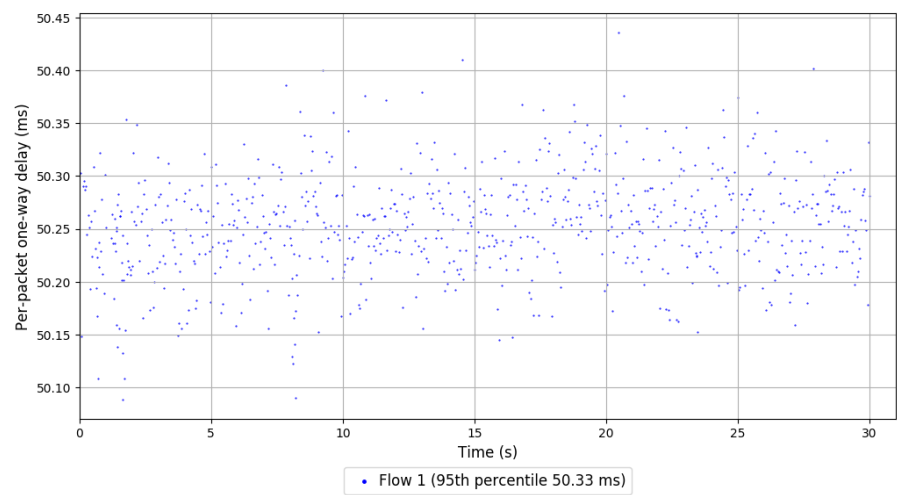
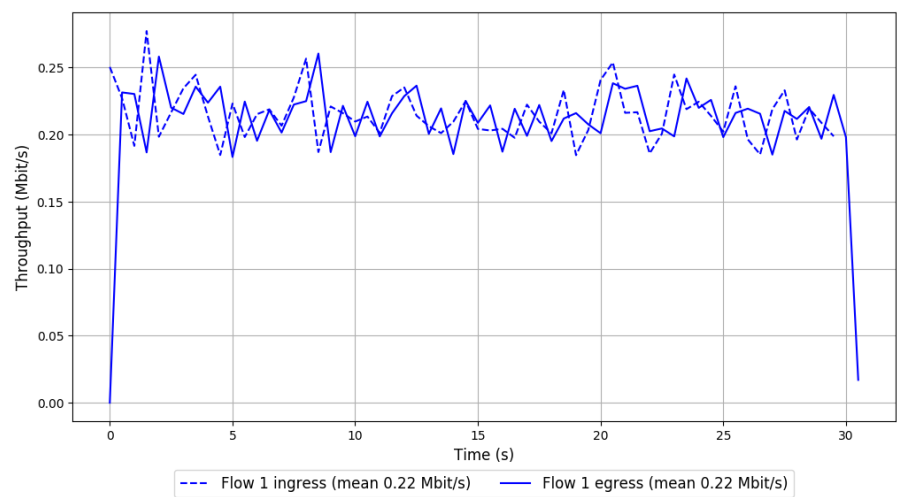


Run 10: Statistics of SReAM

Start at: 2018-07-05 16:06:12
End at: 2018-07-05 16:06:42
Local clock offset: -0.016 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.332 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

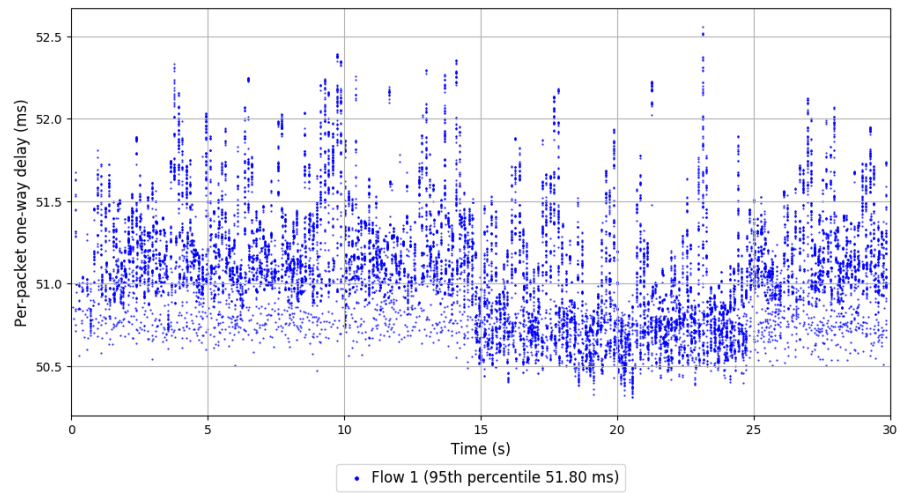
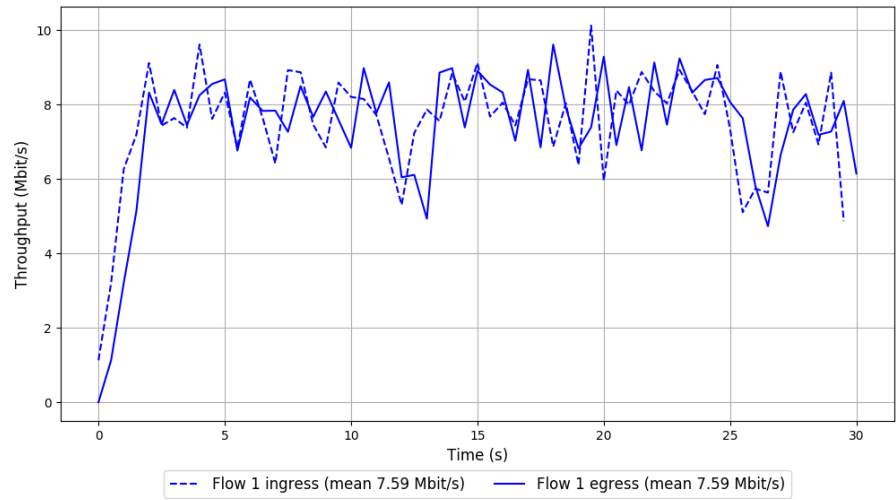


Run 1: Statistics of Sprout

Start at: 2018-07-05 12:58:54
End at: 2018-07-05 12:59:24
Local clock offset: -0.285 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 51.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 51.803 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-05 13:20:09

End at: 2018-07-05 13:20:39

Local clock offset: 0.102 ms

Remote clock offset: 1.058 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 54.689 ms

Loss rate: 0.00%

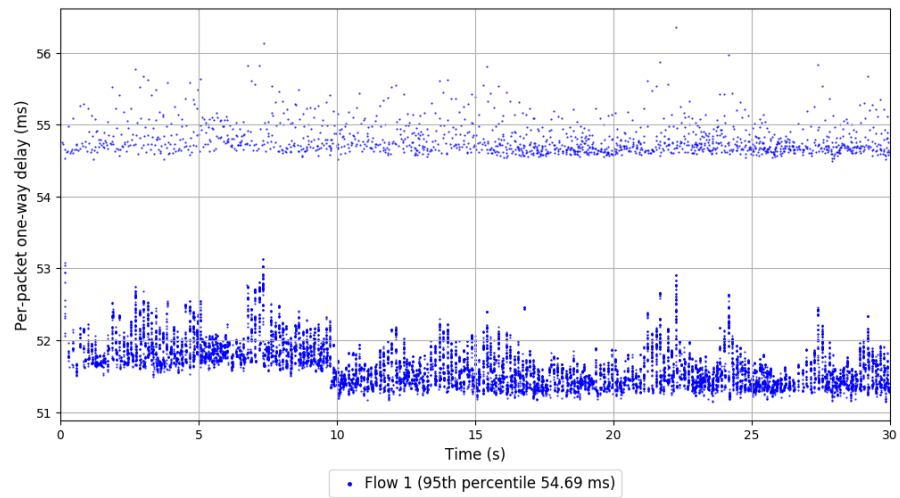
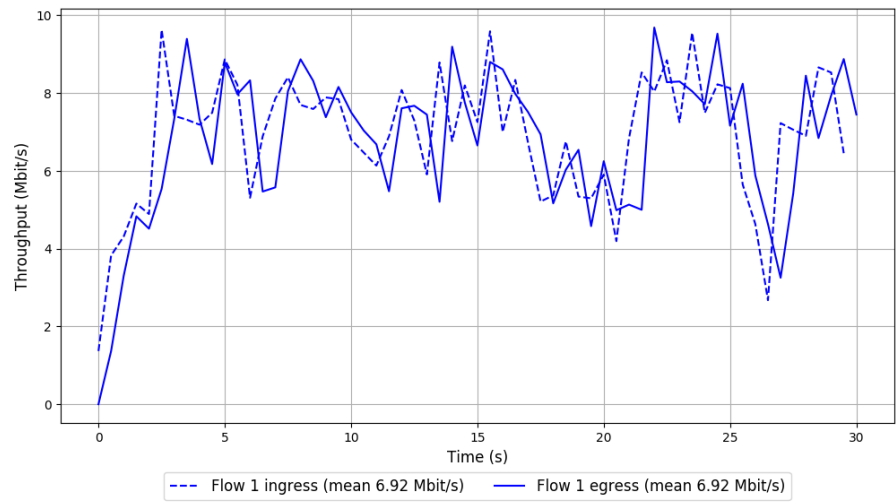
-- Flow 1:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 54.689 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-05 13:41:42

End at: 2018-07-05 13:42:12

Local clock offset: 0.028 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 51.549 ms

Loss rate: 0.00%

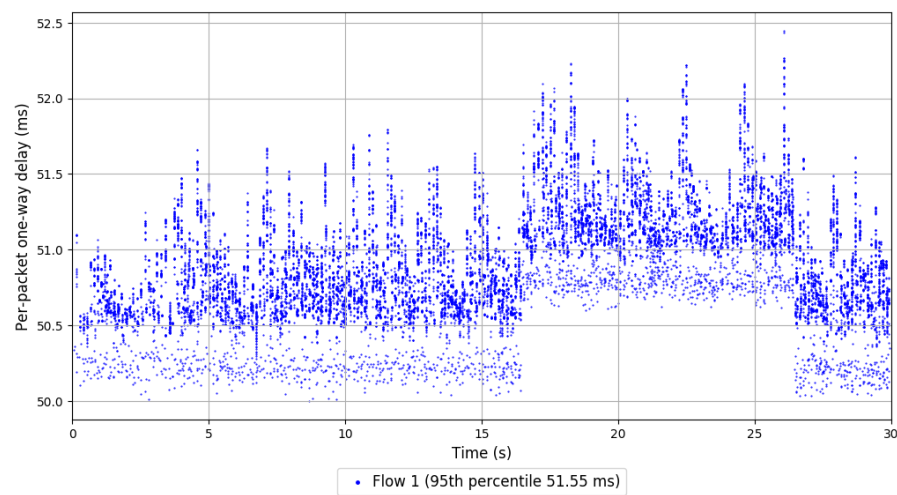
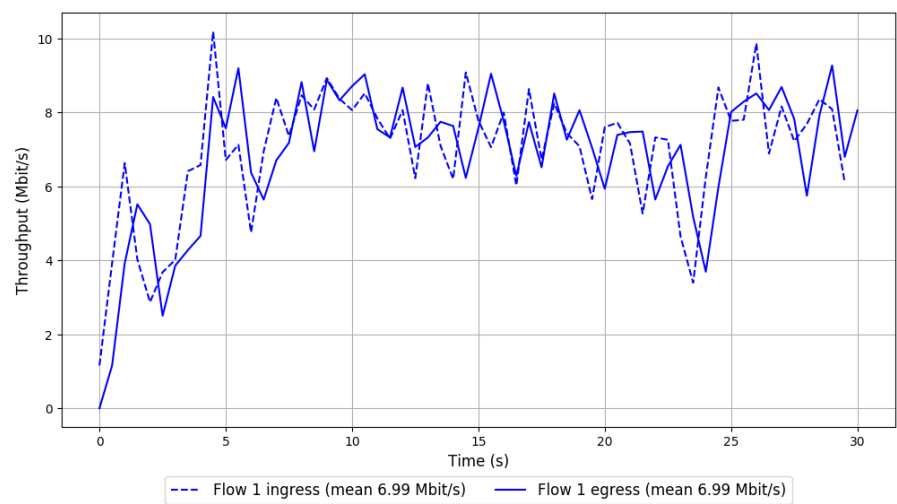
-- Flow 1:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 51.549 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

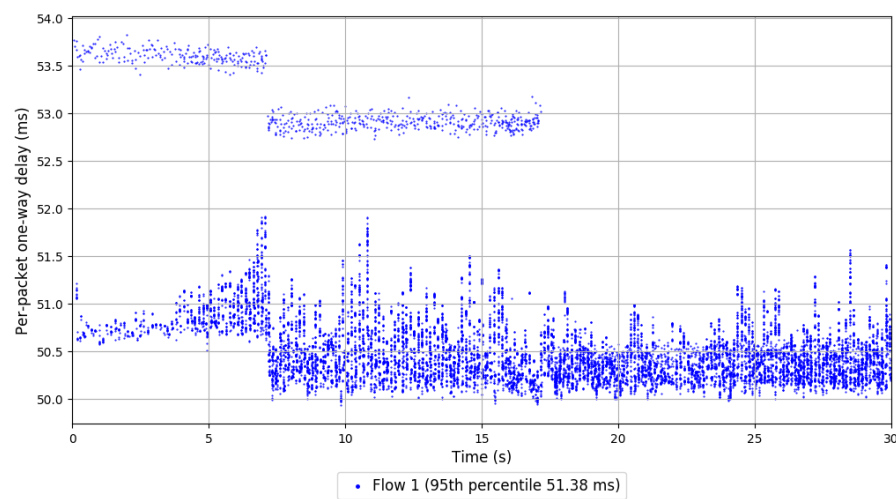
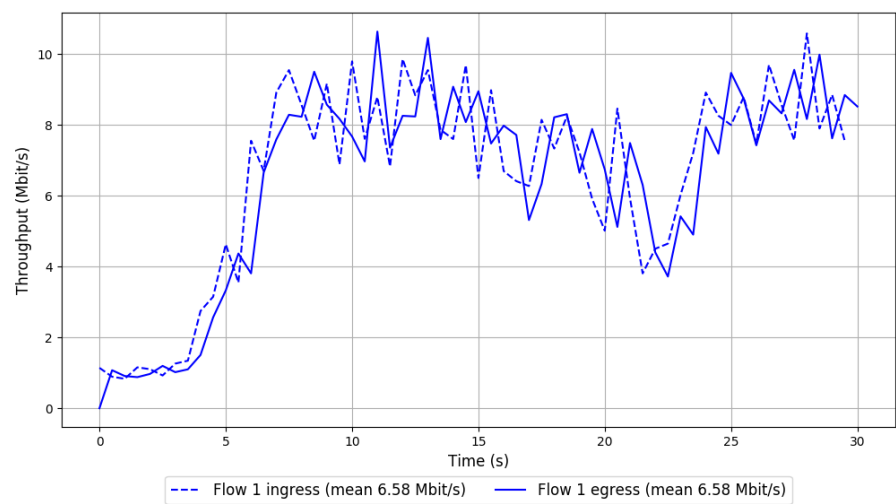


Run 4: Statistics of Sprout

Start at: 2018-07-05 14:03:31
End at: 2018-07-05 14:04:01
Local clock offset: -0.139 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 51.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 51.383 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

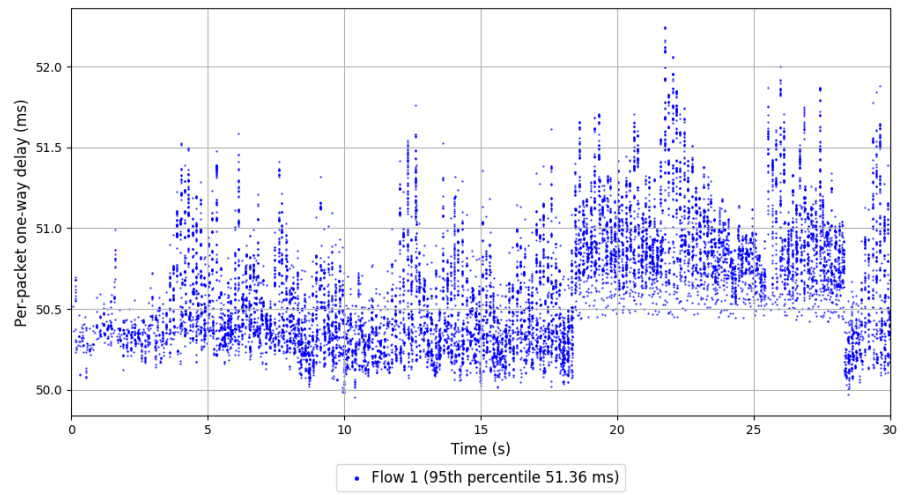
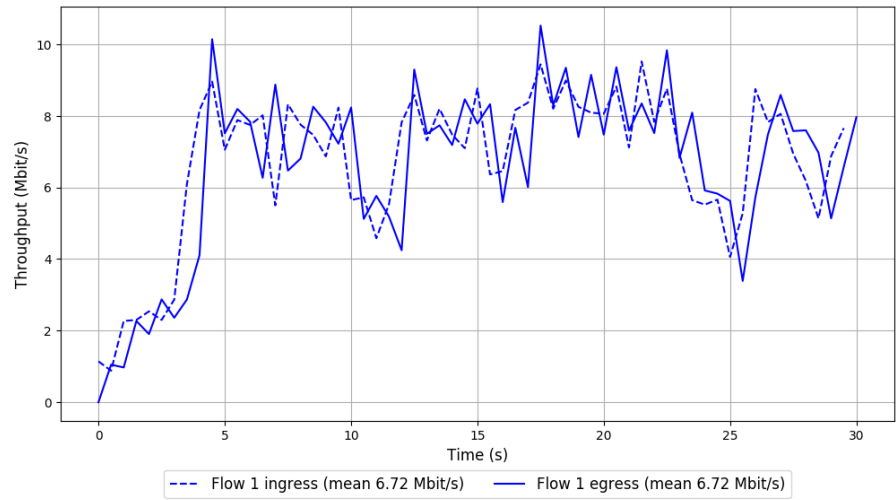


Run 5: Statistics of Sprout

Start at: 2018-07-05 14:25:30
End at: 2018-07-05 14:26:00
Local clock offset: 0.01 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 51.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 51.363 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-05 14:47:17

End at: 2018-07-05 14:47:47

Local clock offset: -0.27 ms

Remote clock offset: 1.431 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 55.141 ms

Loss rate: 0.00%

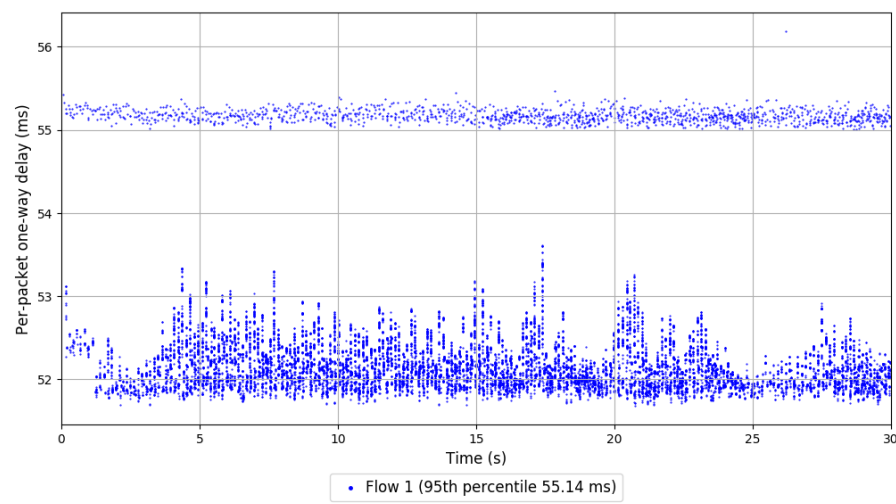
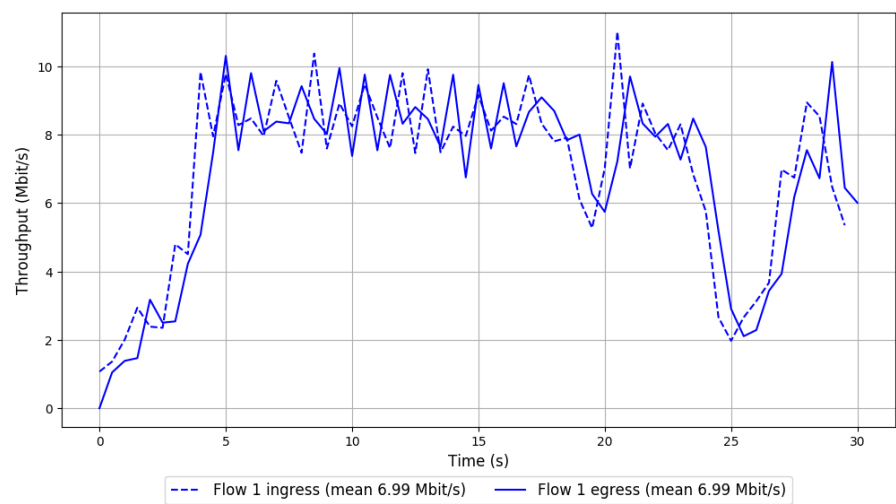
-- Flow 1:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 55.141 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

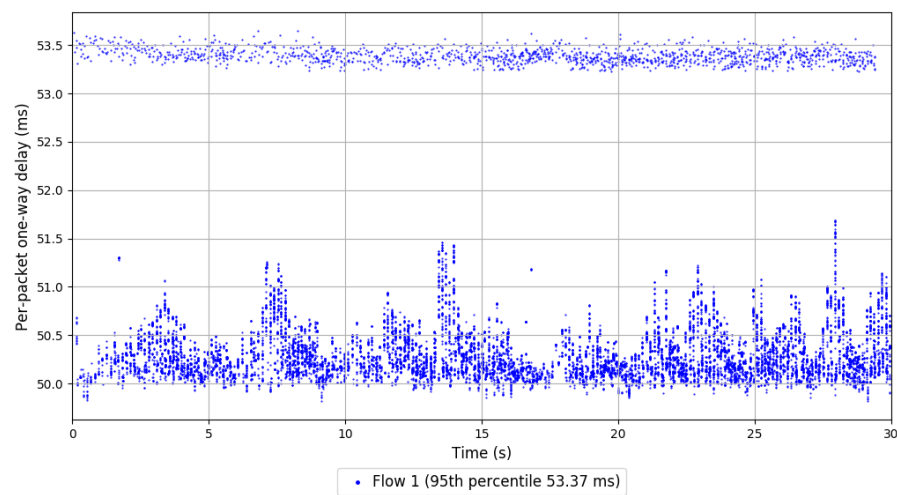
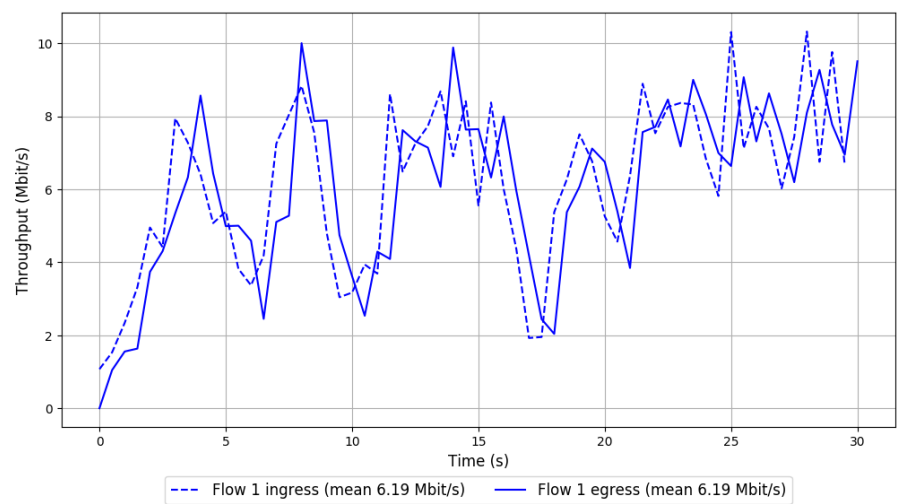


Run 7: Statistics of Sprout

Start at: 2018-07-05 15:08:59
End at: 2018-07-05 15:09:29
Local clock offset: 0.008 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 53.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 53.368 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

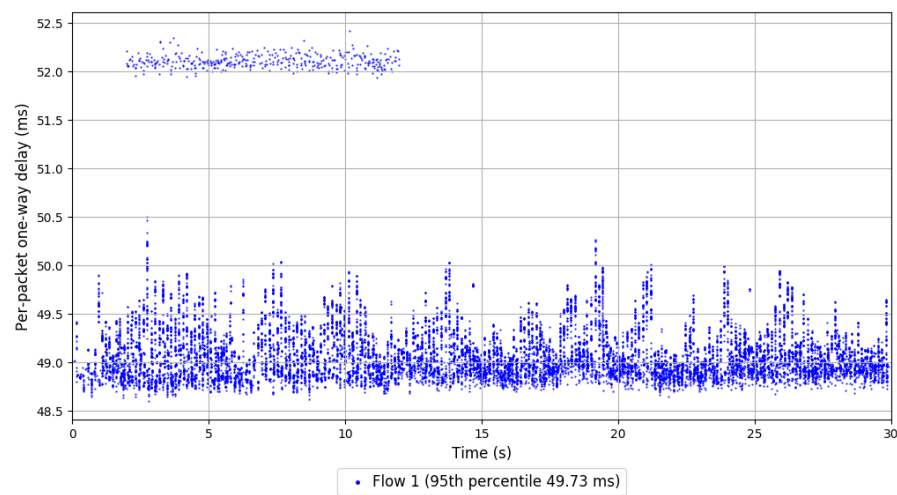
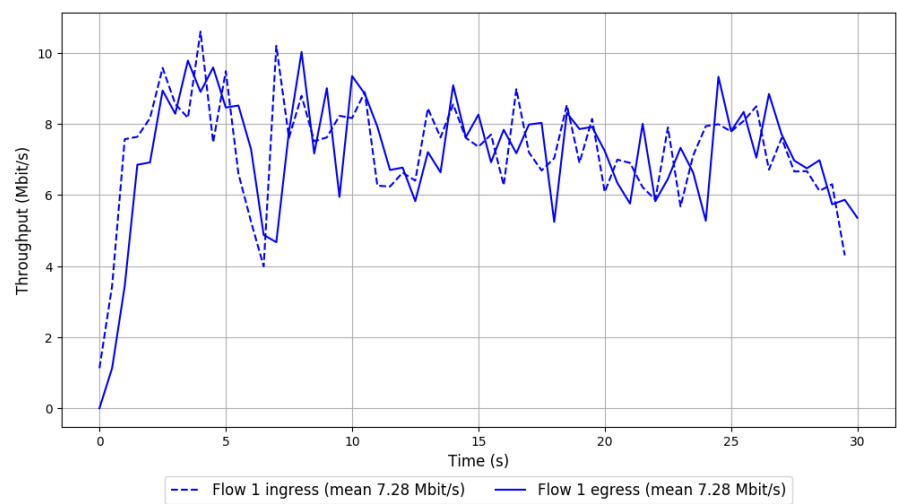


Run 8: Statistics of Sprout

Start at: 2018-07-05 15:31:07
End at: 2018-07-05 15:31:37
Local clock offset: 0.117 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 49.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 49.726 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

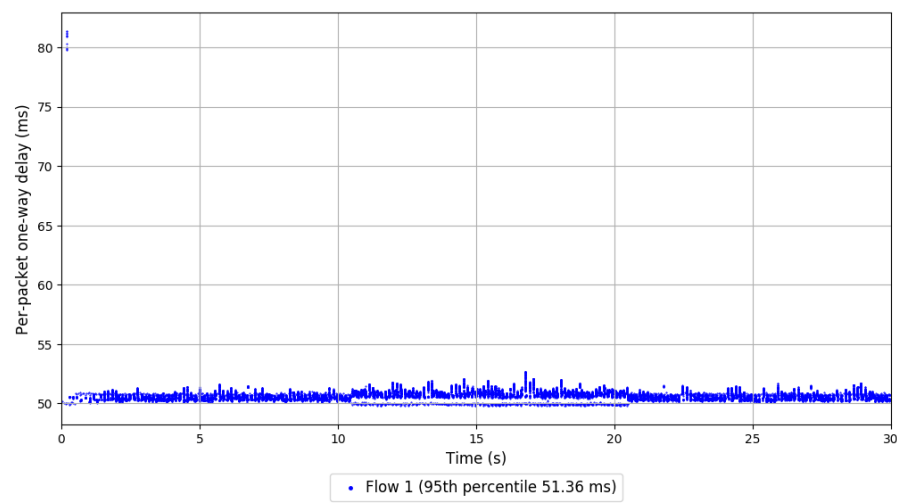
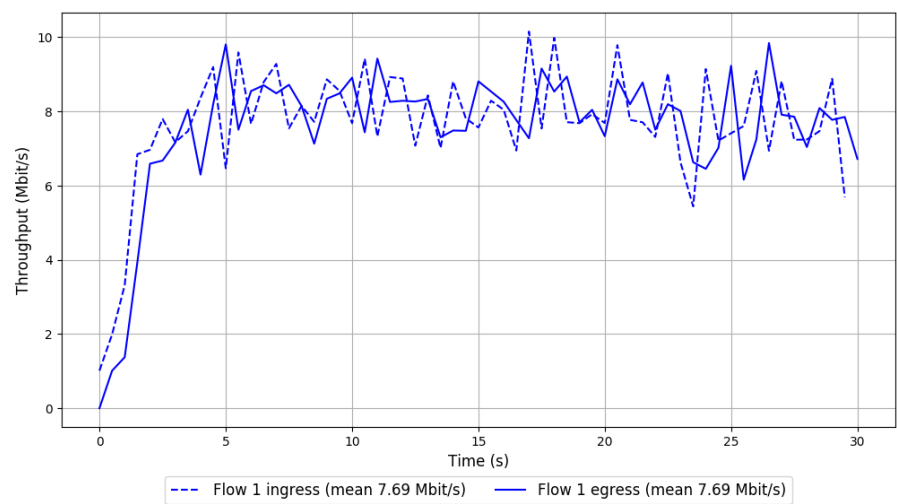


Run 9: Statistics of Sprout

Start at: 2018-07-05 15:53:08
End at: 2018-07-05 15:53:38
Local clock offset: -0.028 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 51.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 51.363 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

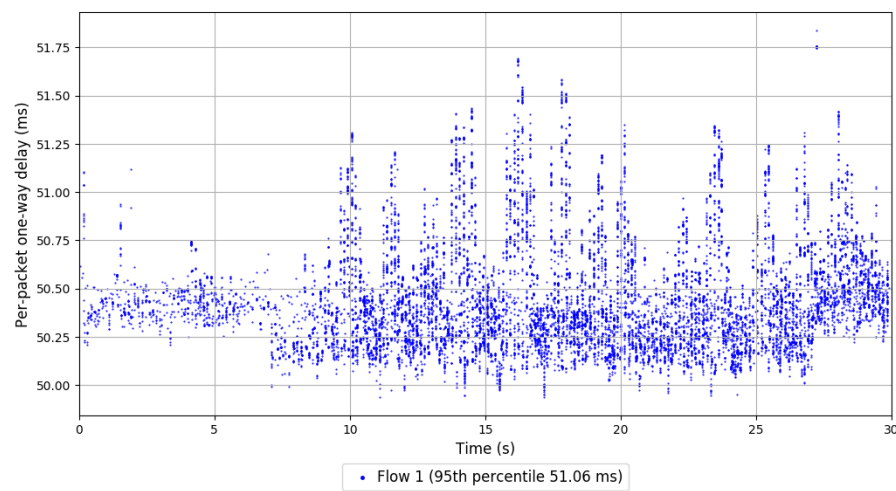
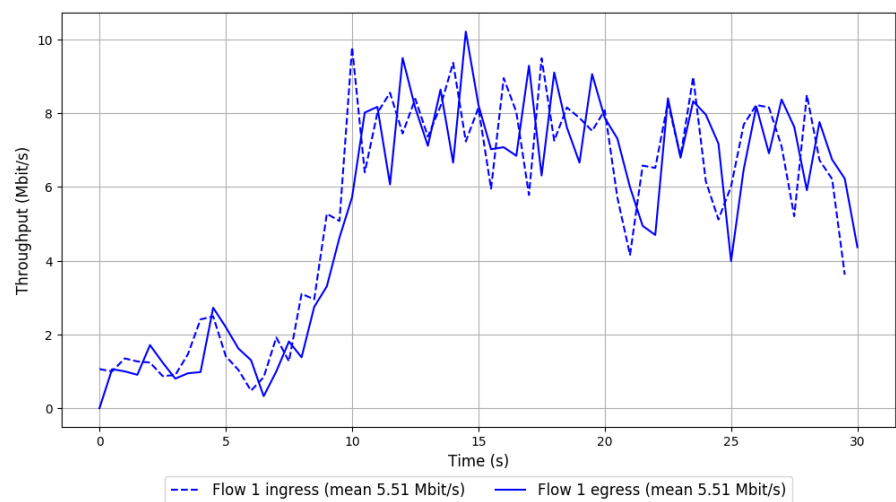


Run 10: Statistics of Sprout

Start at: 2018-07-05 16:15:12
End at: 2018-07-05 16:15:42
Local clock offset: -0.022 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 51.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 51.065 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

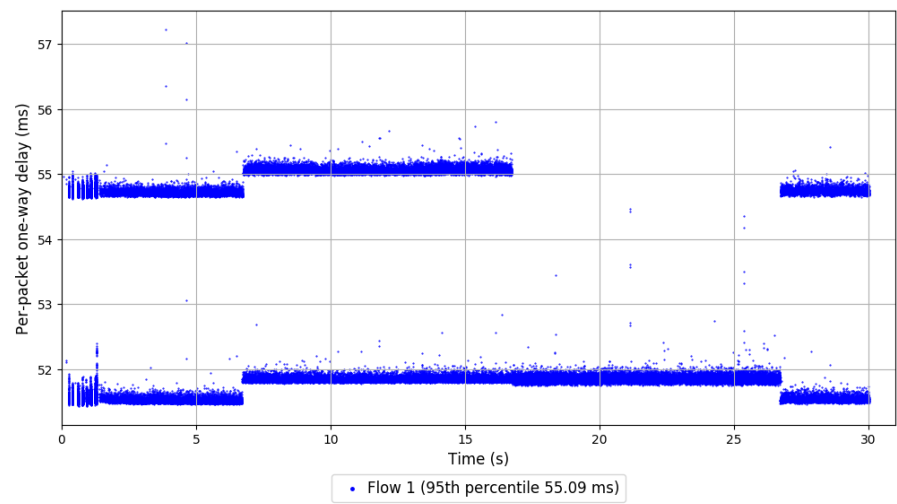
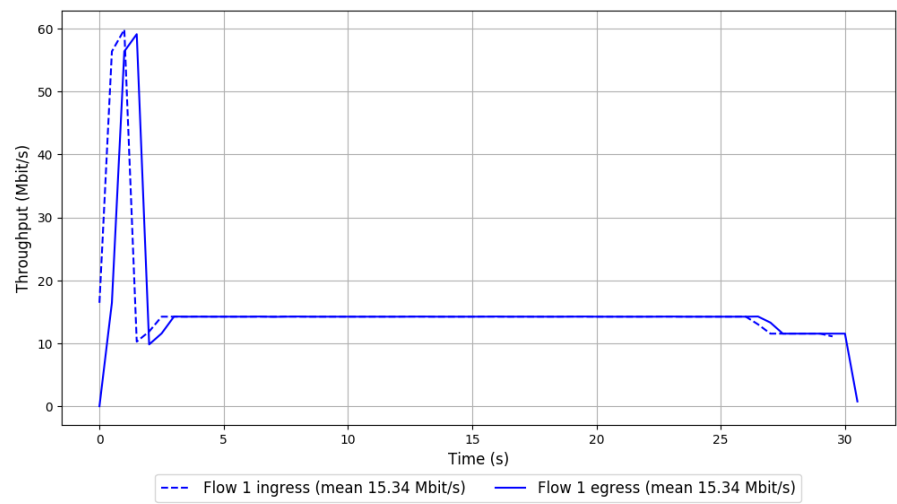


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-05 13:02:22
End at: 2018-07-05 13:02:52
Local clock offset: -0.016 ms
Remote clock offset: 1.251 ms

# Below is generated by plot.py at 2018-07-05 18:04:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.34 Mbit/s
95th percentile per-packet one-way delay: 55.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.34 Mbit/s
95th percentile per-packet one-way delay: 55.087 ms
Loss rate: 0.00%
```


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

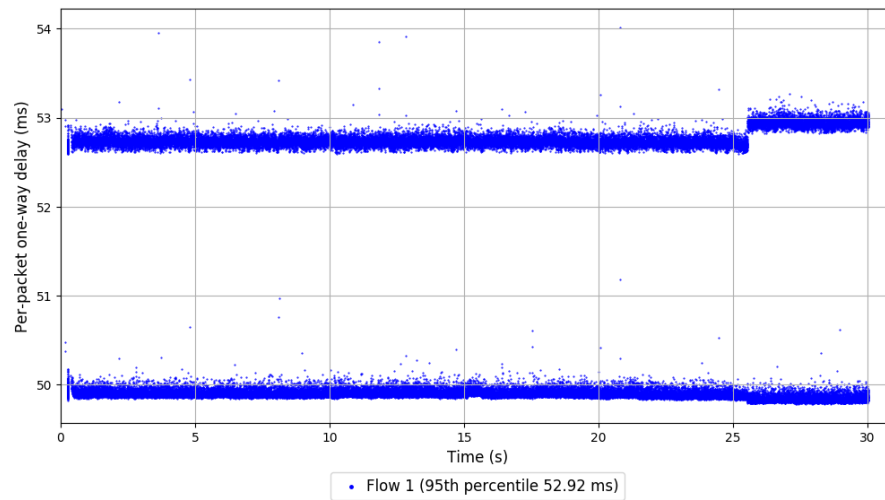
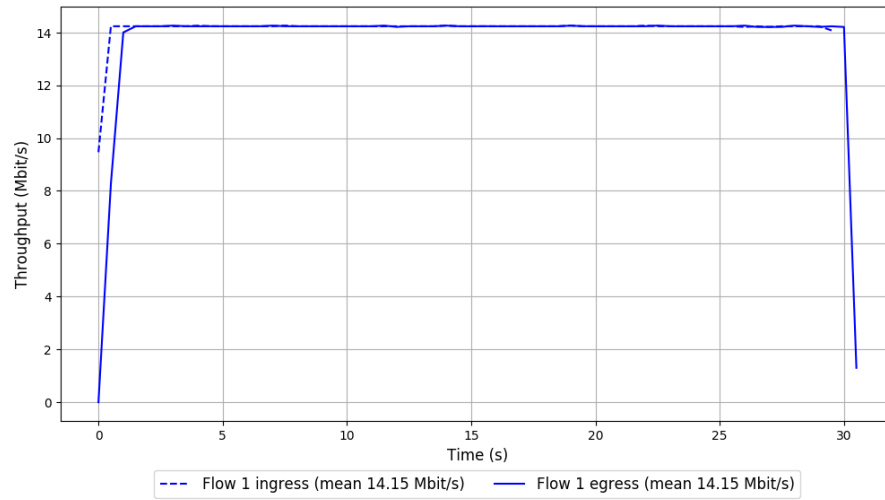


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-05 13:23:43
End at: 2018-07-05 13:24:13
Local clock offset: -0.014 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 52.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 52.925 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

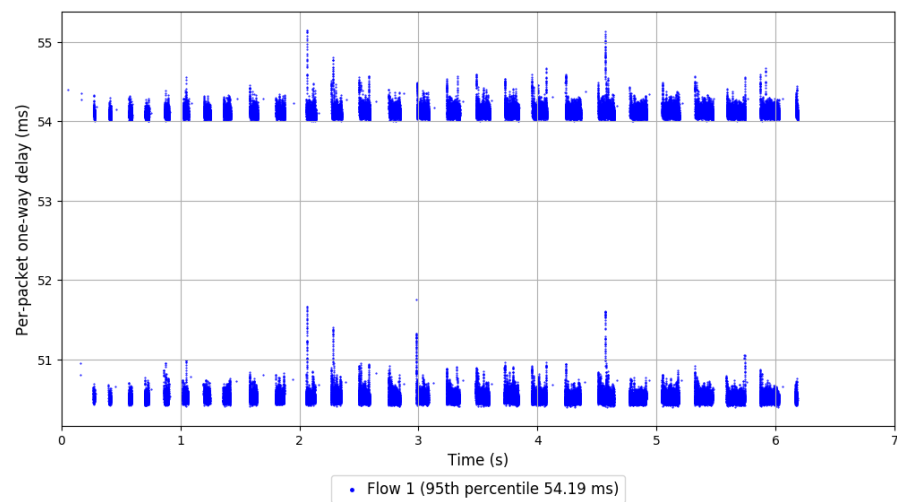
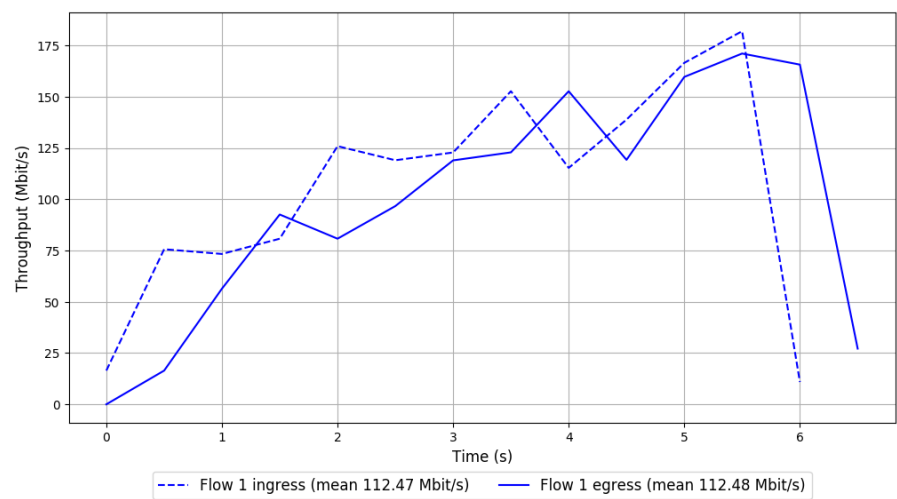
Start at: 2018-07-05 13:45:18

End at: 2018-07-05 13:45:48

Local clock offset: -0.158 ms

Remote clock offset: 0.169 ms

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-05 14:07:07

End at: 2018-07-05 14:07:37

Local clock offset: -0.032 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.28 Mbit/s

95th percentile per-packet one-way delay: 50.338 ms

Loss rate: 0.00%

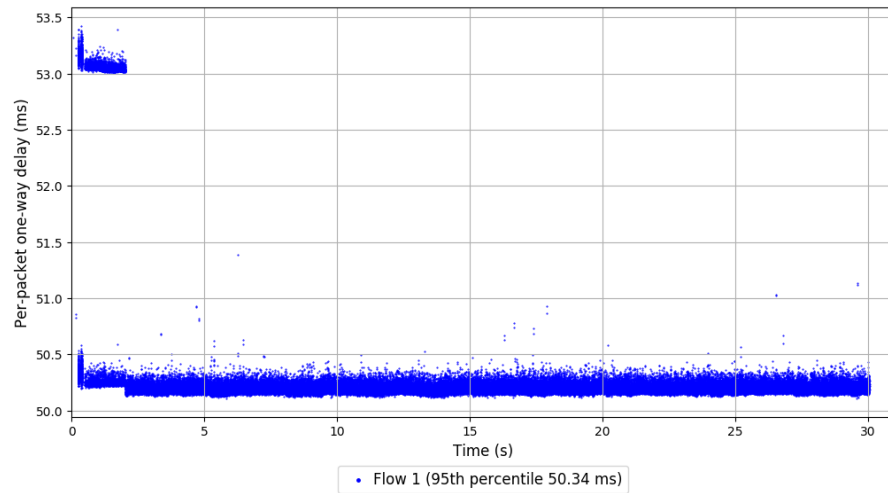
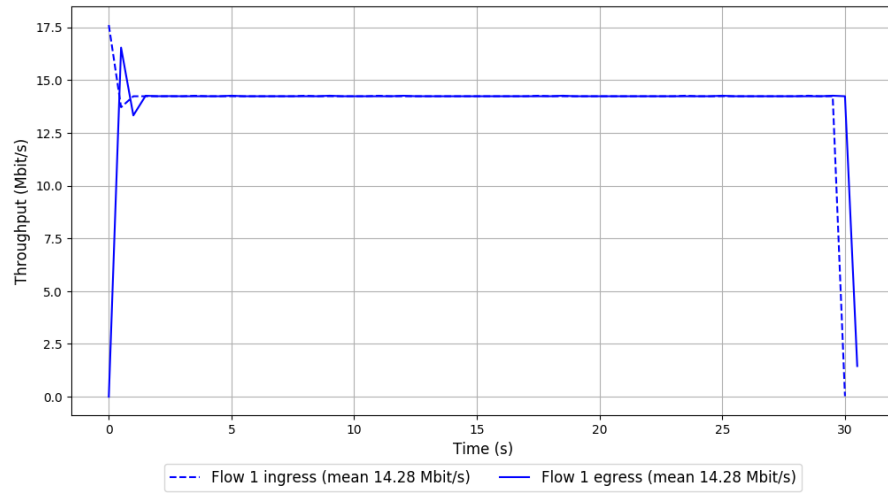
-- Flow 1:

Average throughput: 14.28 Mbit/s

95th percentile per-packet one-way delay: 50.338 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-05 14:29:06

End at: 2018-07-05 14:29:36

Local clock offset: -0.051 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 54.787 ms

Loss rate: 0.00%

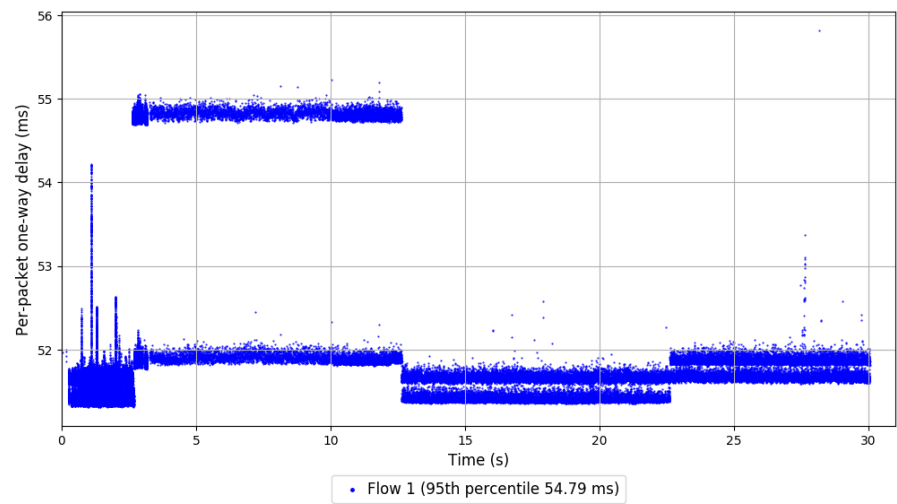
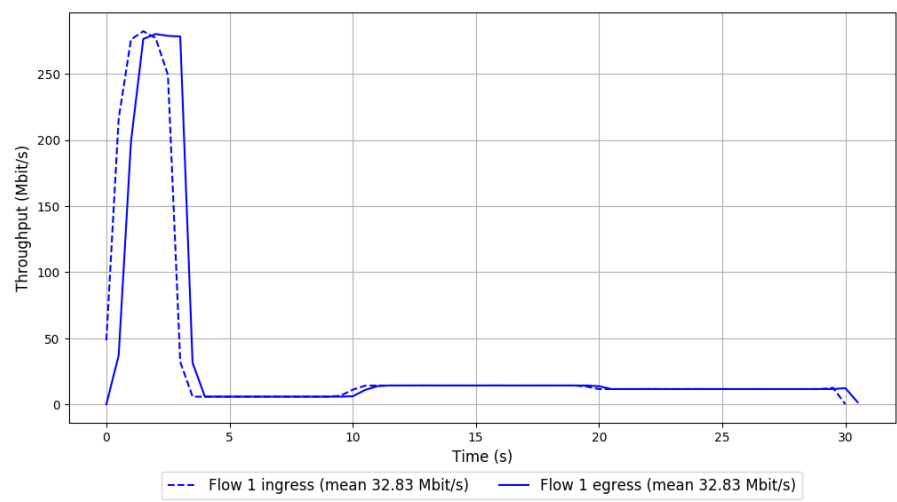
-- Flow 1:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 54.787 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

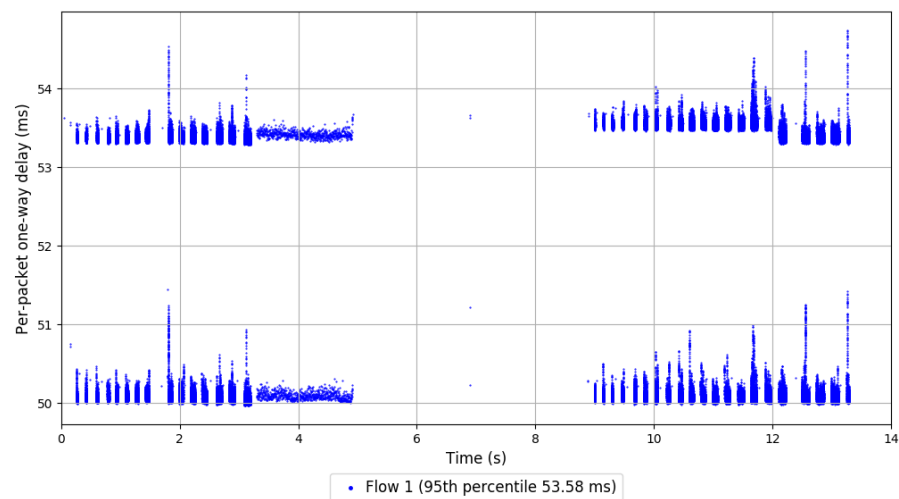
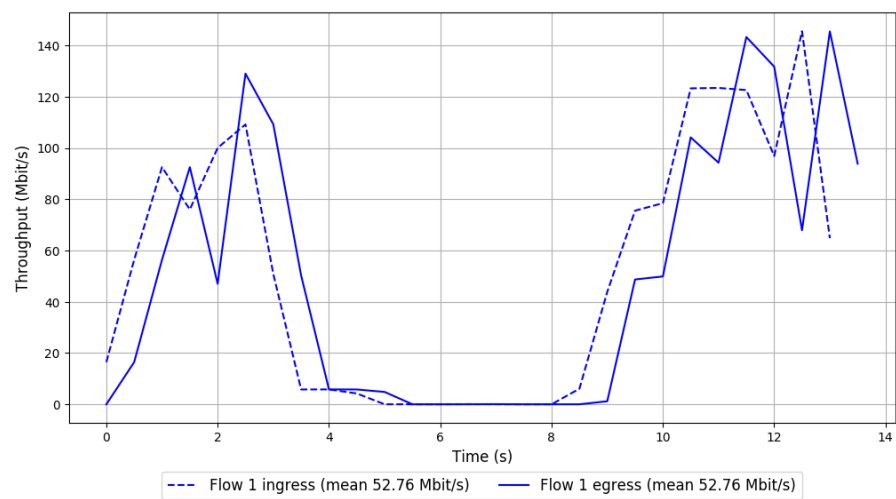
Start at: 2018-07-05 14:50:53

End at: 2018-07-05 14:51:23

Local clock offset: -0.044 ms

Remote clock offset: -0.062 ms

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-05 15:12:30

End at: 2018-07-05 15:13:00

Local clock offset: 0.024 ms

Remote clock offset: 1.27 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.71 Mbit/s

95th percentile per-packet one-way delay: 54.369 ms

Loss rate: 0.00%

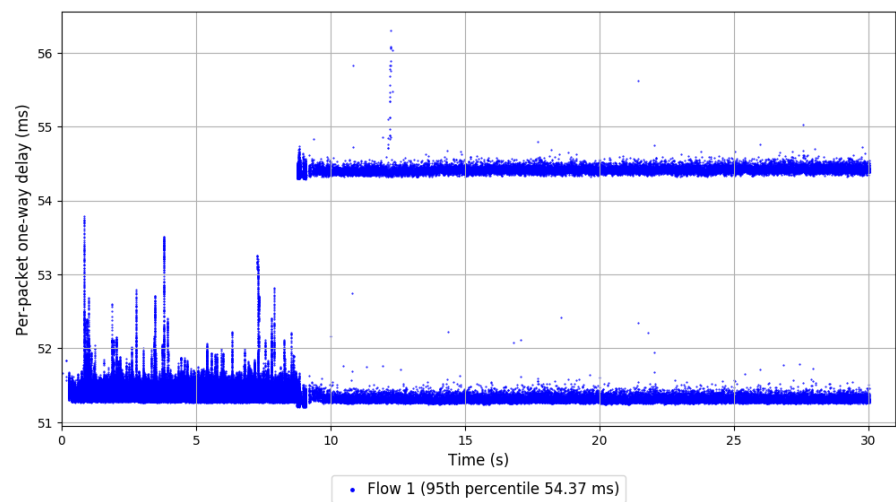
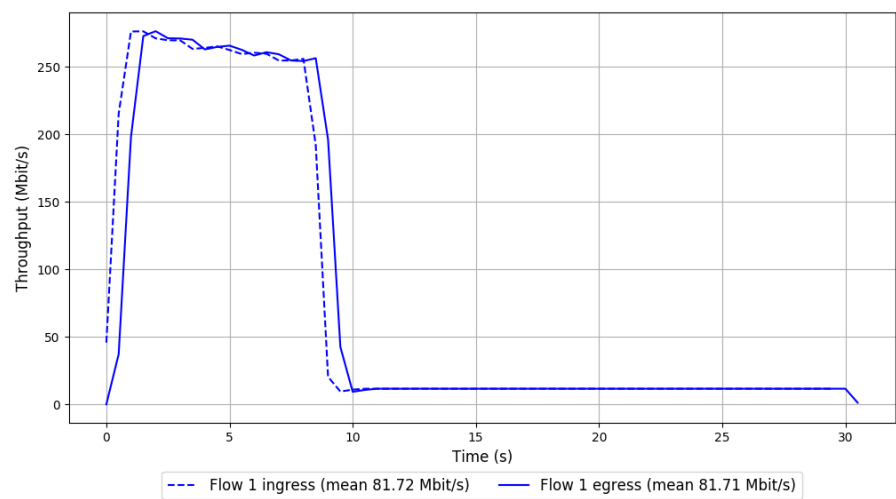
-- Flow 1:

Average throughput: 81.71 Mbit/s

95th percentile per-packet one-way delay: 54.369 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

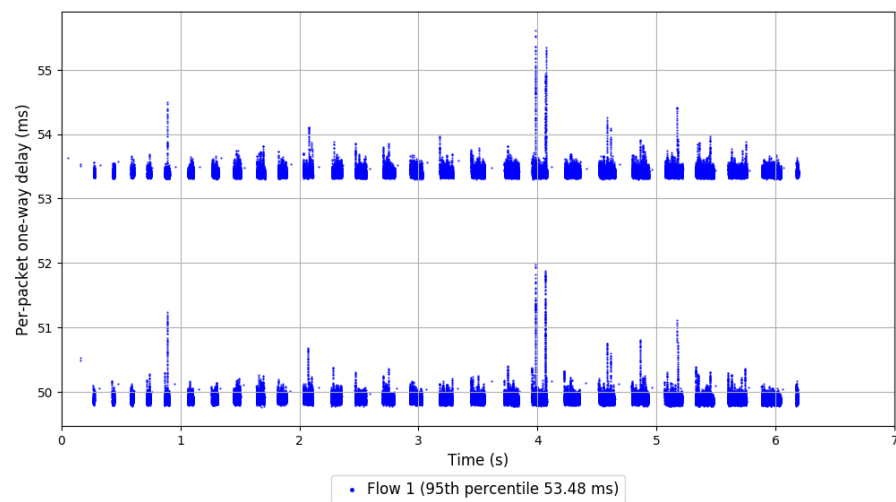
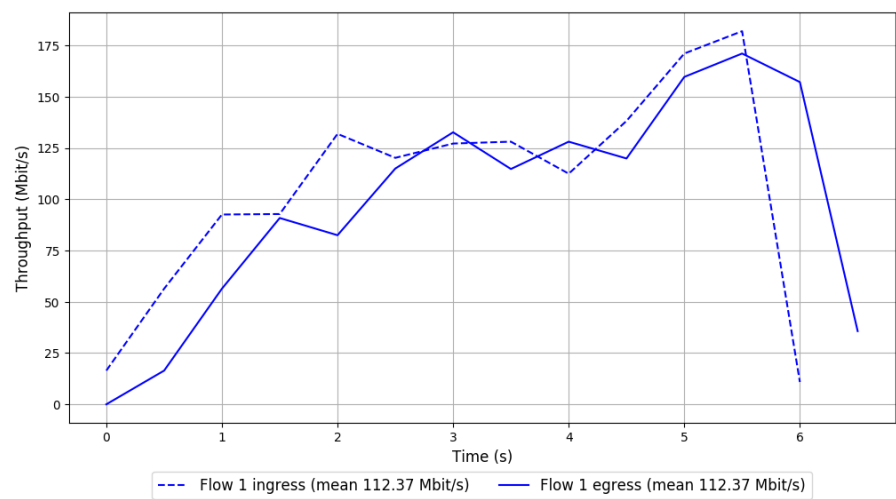
Start at: 2018-07-05 15:34:37

End at: 2018-07-05 15:35:07

Local clock offset: 0.043 ms

Remote clock offset: -0.221 ms

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

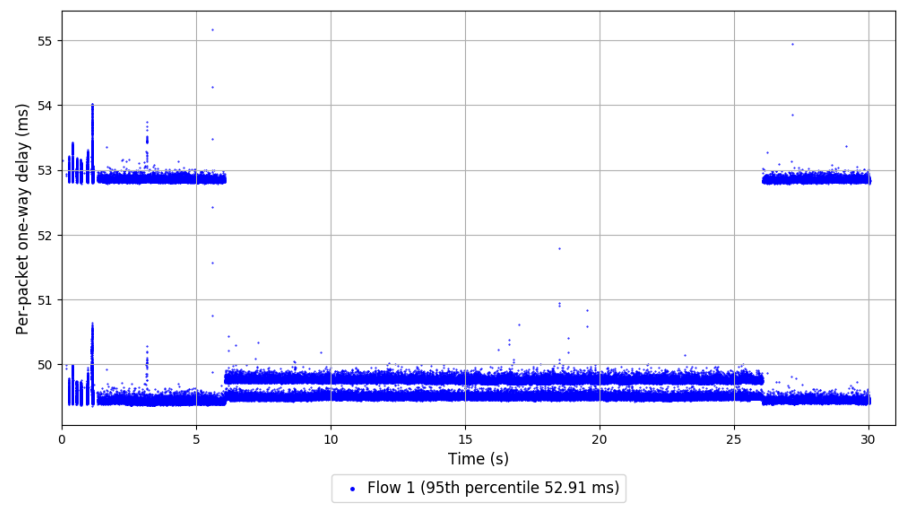
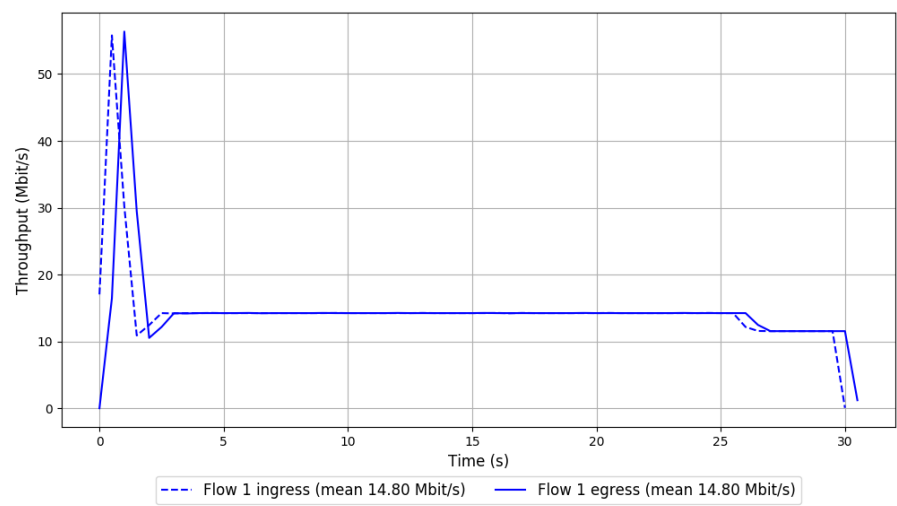


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-05 15:56:43
End at: 2018-07-05 15:57:13
Local clock offset: -0.247 ms
Remote clock offset: -0.945 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 52.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 52.905 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-05 16:18:46

End at: 2018-07-05 16:19:17

Local clock offset: -0.075 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 53.344 ms

Loss rate: 0.00%

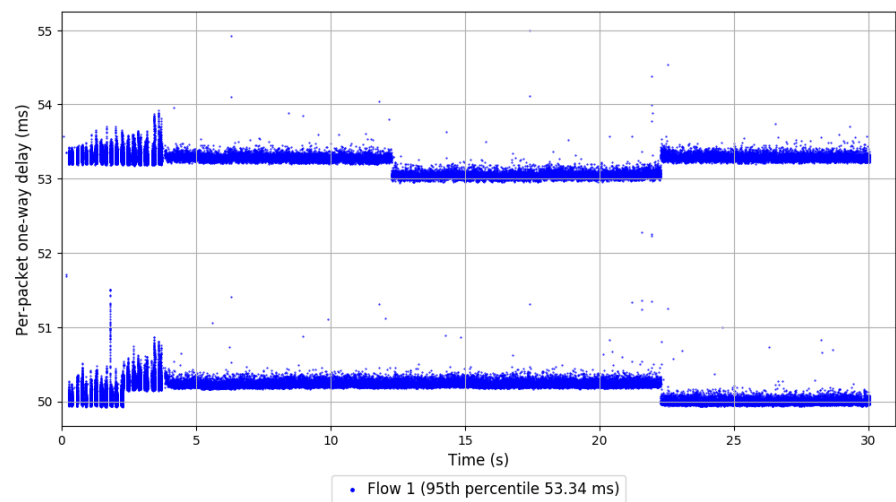
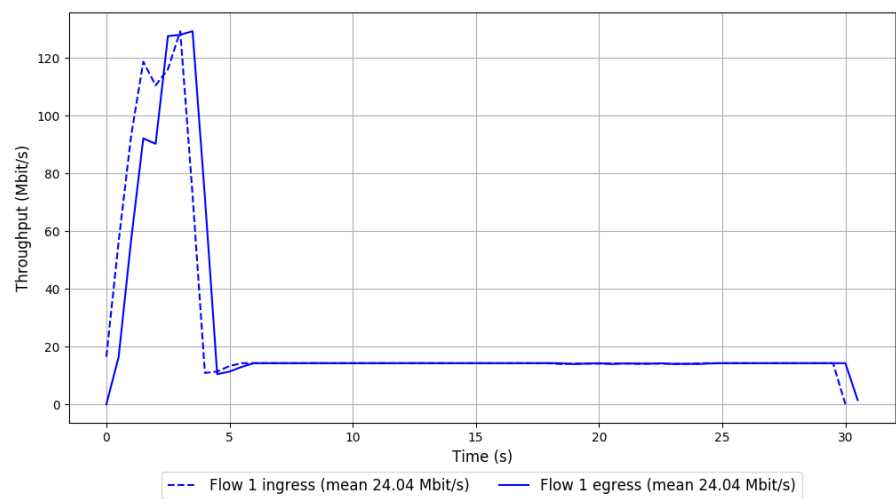
-- Flow 1:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 53.344 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-05 12:56:24

End at: 2018-07-05 12:56:54

Local clock offset: 0.007 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.00%

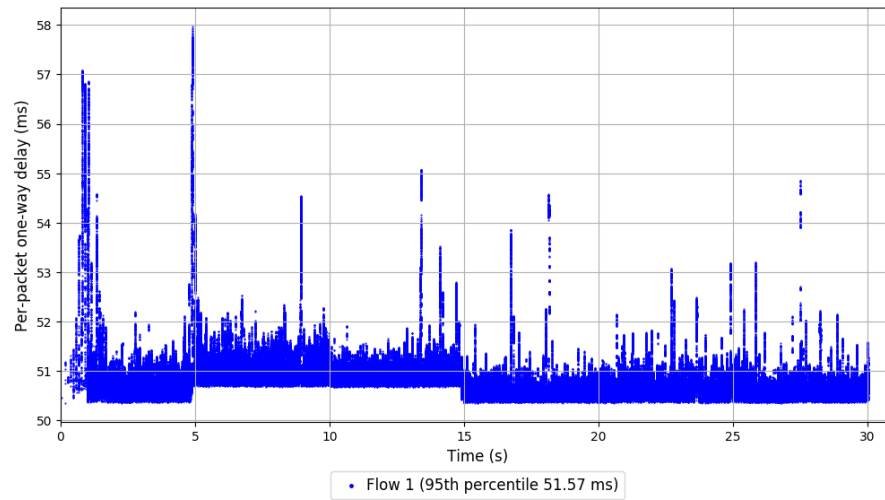
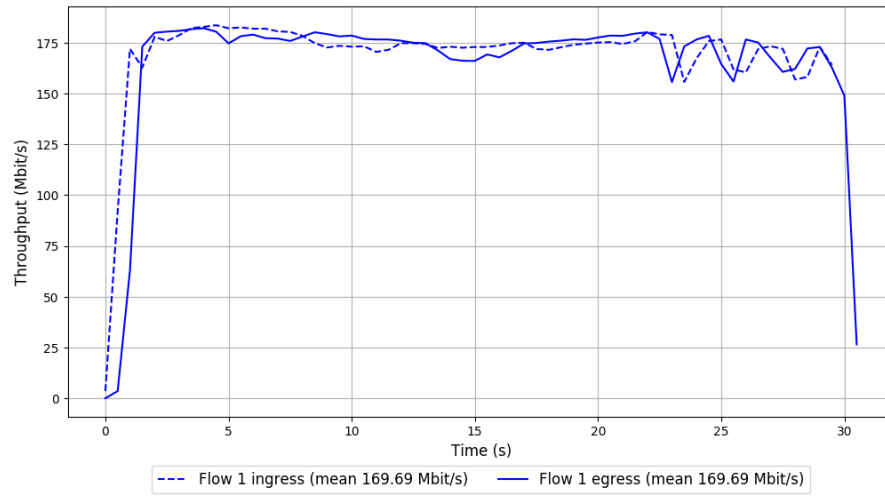
-- Flow 1:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

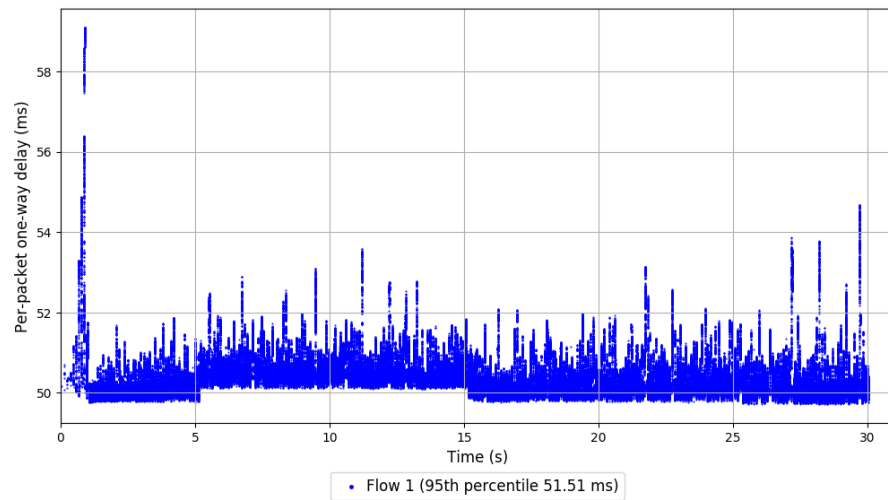
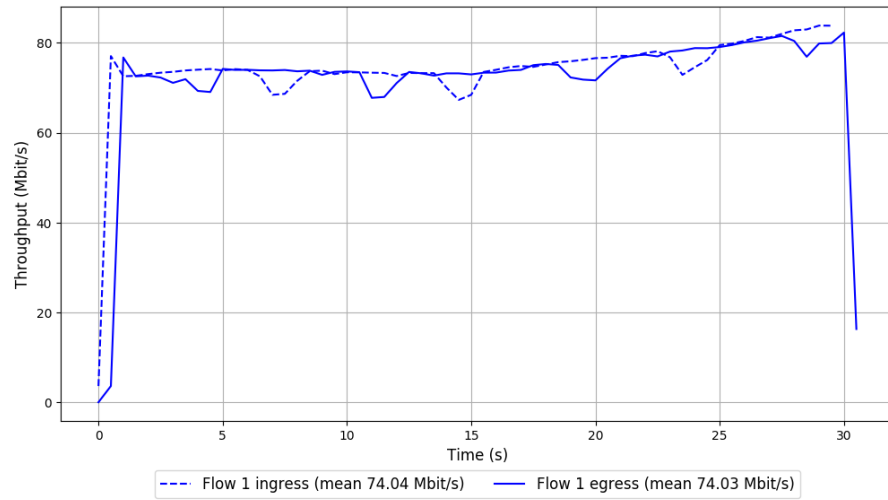


Run 2: Statistics of TCP Vegas

Start at: 2018-07-05 13:17:44
End at: 2018-07-05 13:18:14
Local clock offset: 0.248 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 51.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 51.509 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

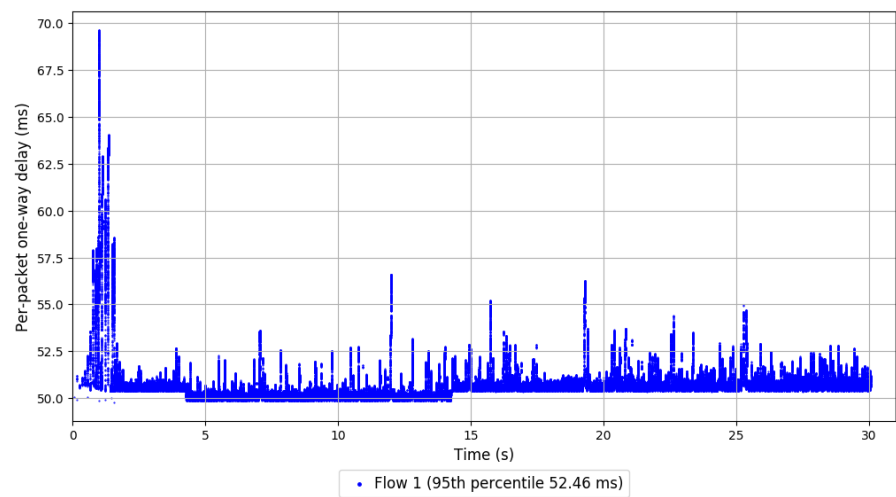
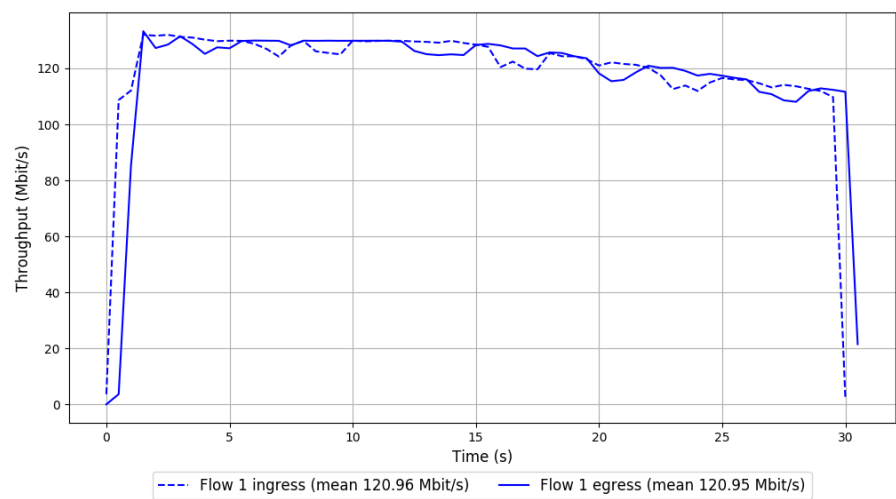


Run 3: Statistics of TCP Vegas

Start at: 2018-07-05 13:39:14
End at: 2018-07-05 13:39:44
Local clock offset: 0.195 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.95 Mbit/s
95th percentile per-packet one-way delay: 52.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.95 Mbit/s
95th percentile per-packet one-way delay: 52.464 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-05 14:01:05

End at: 2018-07-05 14:01:35

Local clock offset: -0.111 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.17 Mbit/s

95th percentile per-packet one-way delay: 51.958 ms

Loss rate: 0.00%

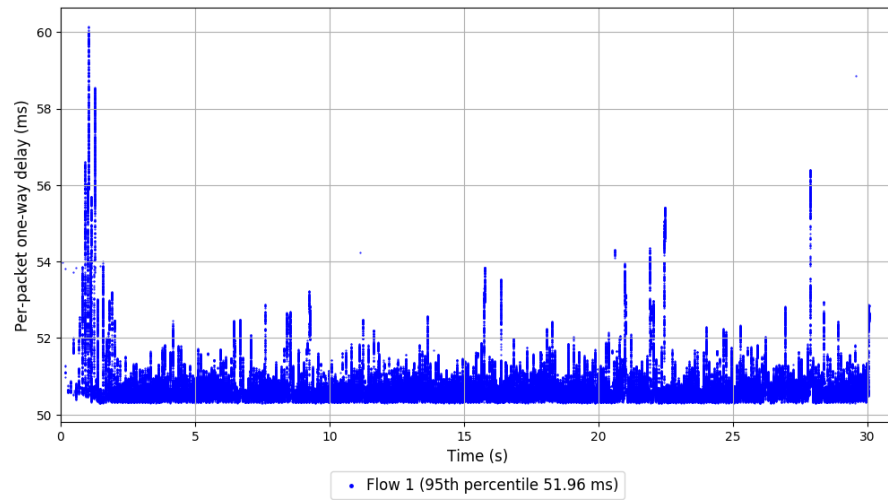
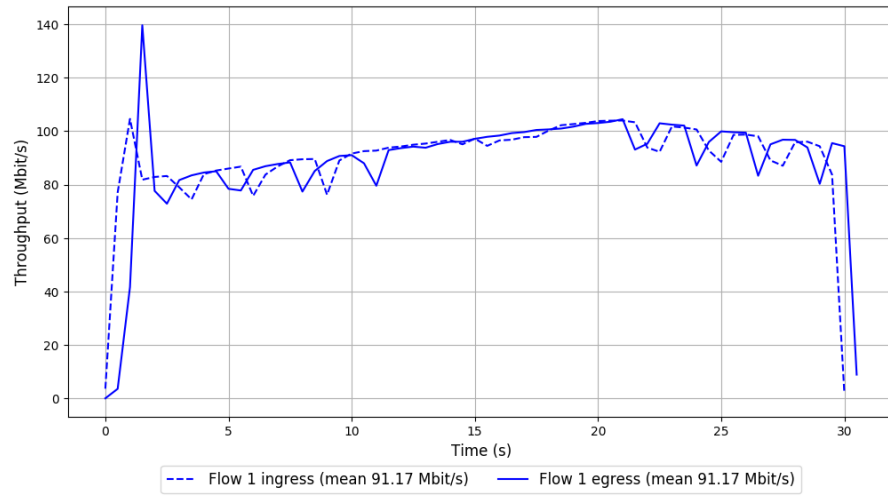
-- Flow 1:

Average throughput: 91.17 Mbit/s

95th percentile per-packet one-way delay: 51.958 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-05 14:23:04

End at: 2018-07-05 14:23:34

Local clock offset: -0.2 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 52.130 ms

Loss rate: 0.00%

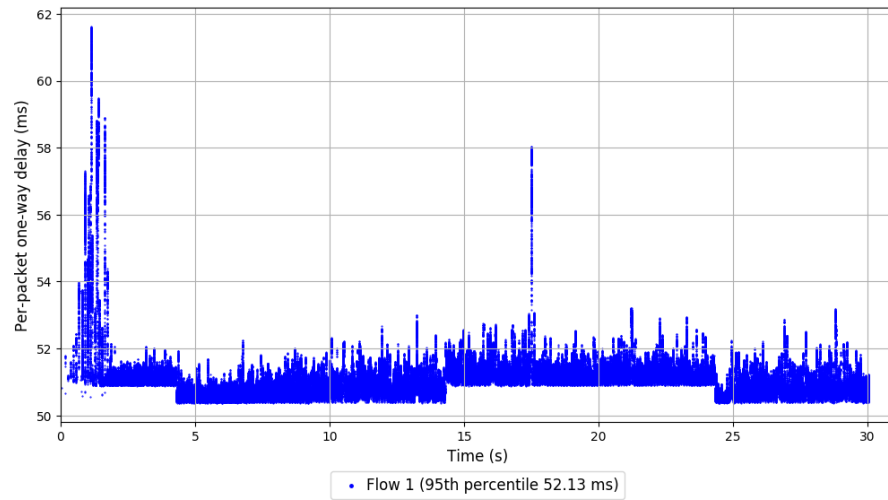
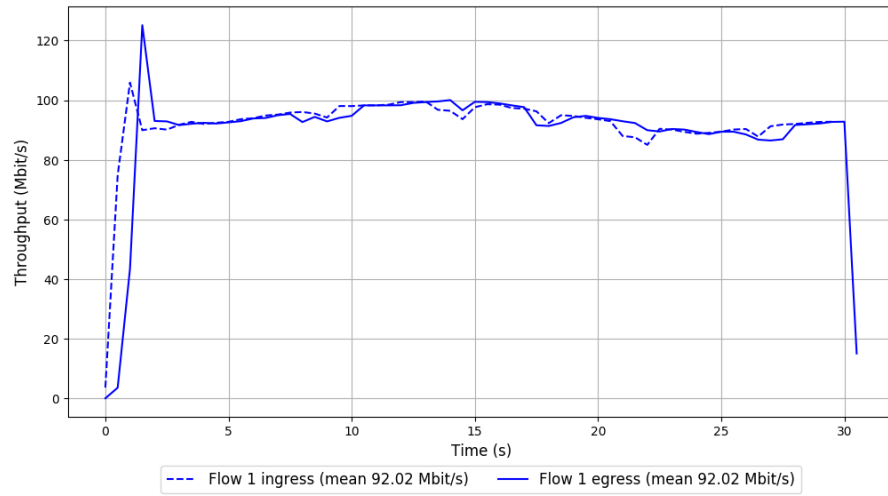
-- Flow 1:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 52.130 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-05 14:44:50

End at: 2018-07-05 14:45:20

Local clock offset: -0.182 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 51.596 ms

Loss rate: 0.00%

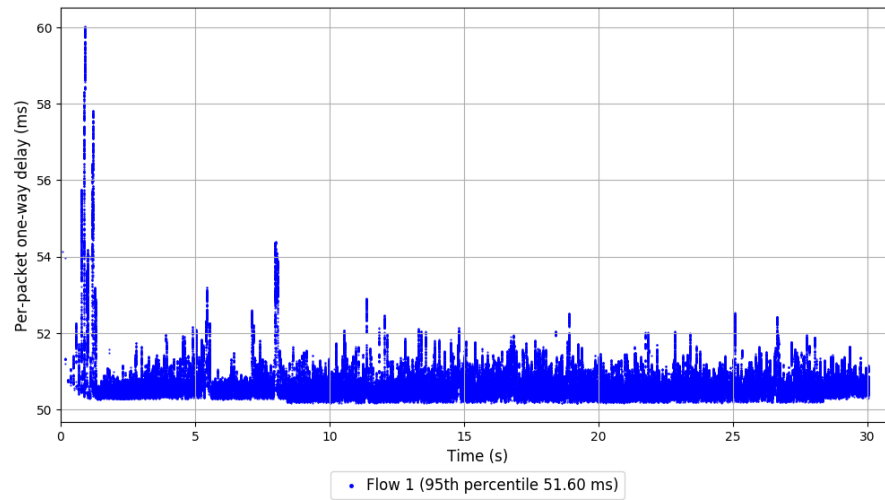
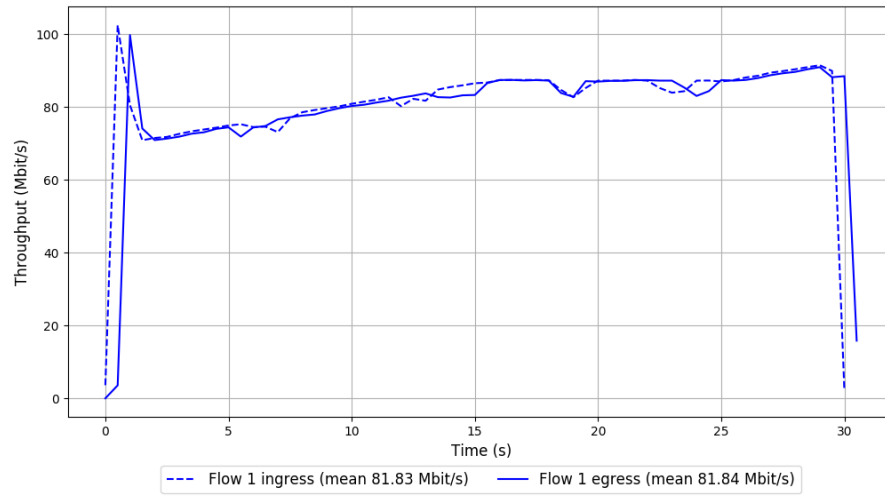
-- Flow 1:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 51.596 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

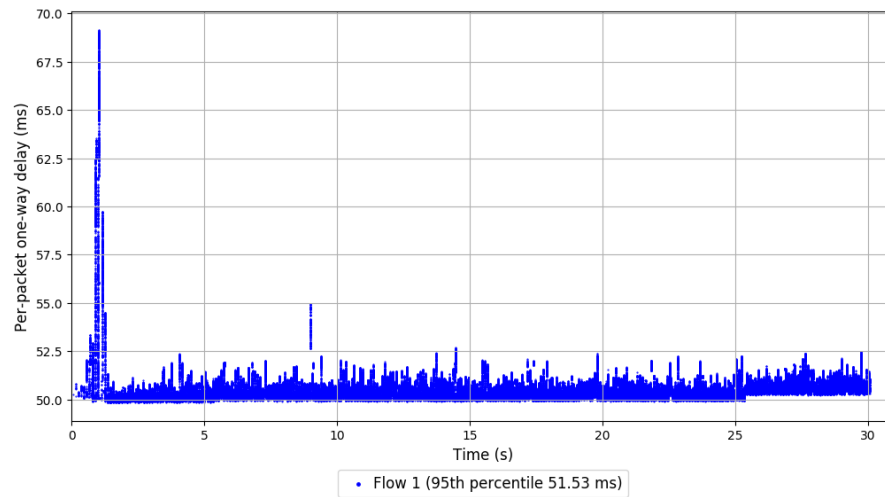
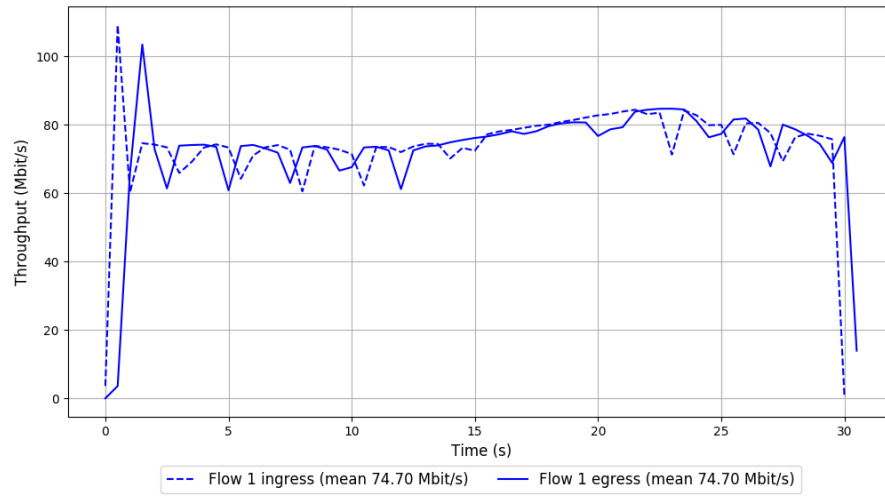


Run 7: Statistics of TCP Vegas

Start at: 2018-07-05 15:06:33
End at: 2018-07-05 15:07:03
Local clock offset: -0.051 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.70 Mbit/s
95th percentile per-packet one-way delay: 51.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.70 Mbit/s
95th percentile per-packet one-way delay: 51.535 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

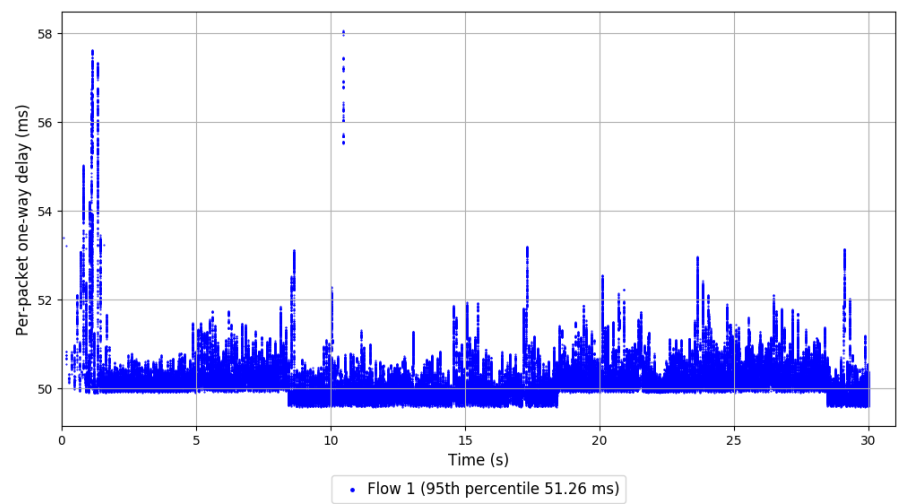
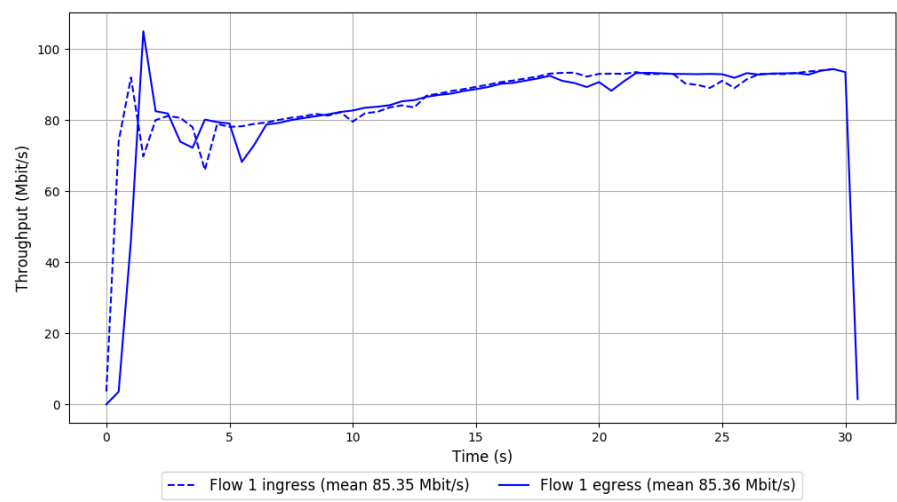


Run 8: Statistics of TCP Vegas

Start at: 2018-07-05 15:28:40
End at: 2018-07-05 15:29:10
Local clock offset: -0.069 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 51.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 51.260 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

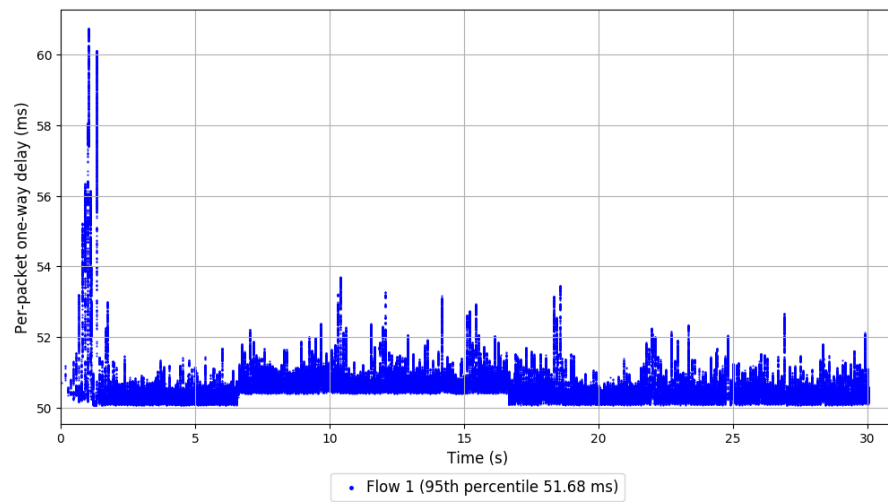
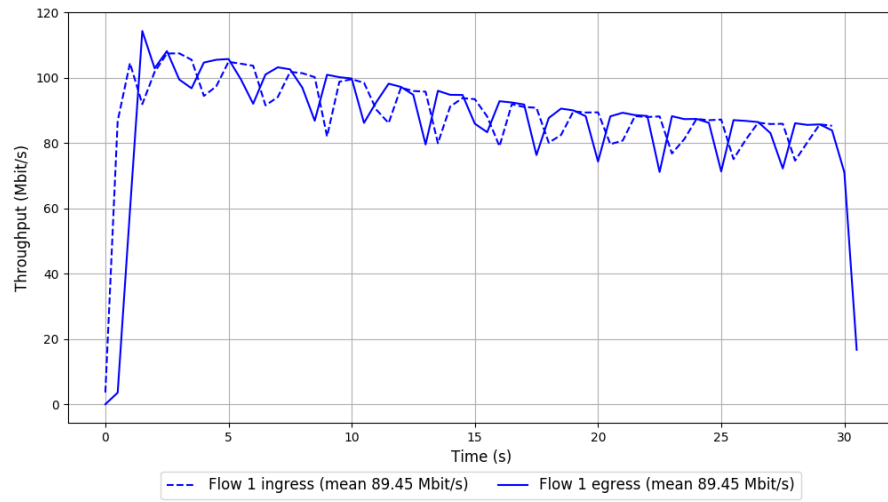


Run 9: Statistics of TCP Vegas

Start at: 2018-07-05 15:50:42
End at: 2018-07-05 15:51:12
Local clock offset: -0.037 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-05 18:04:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 51.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 51.683 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-05 16:12:44

End at: 2018-07-05 16:13:14

Local clock offset: 0.205 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-05 18:04:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.88 Mbit/s

95th percentile per-packet one-way delay: 52.197 ms

Loss rate: 0.00%

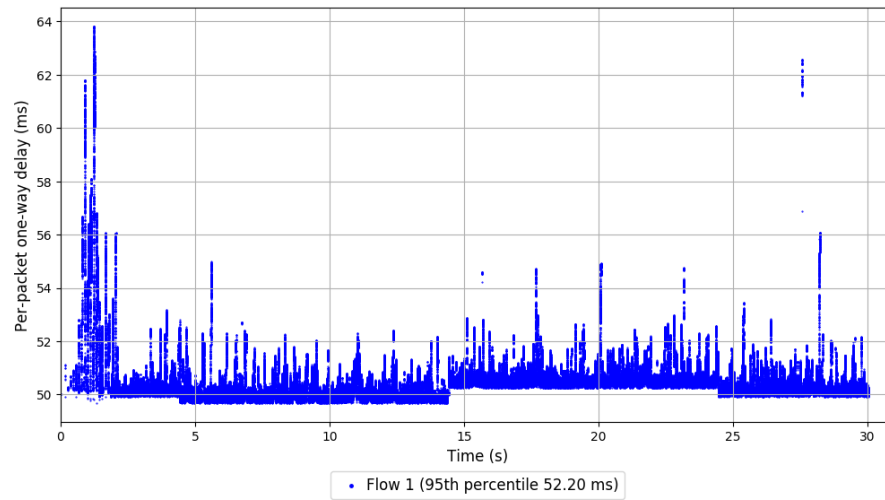
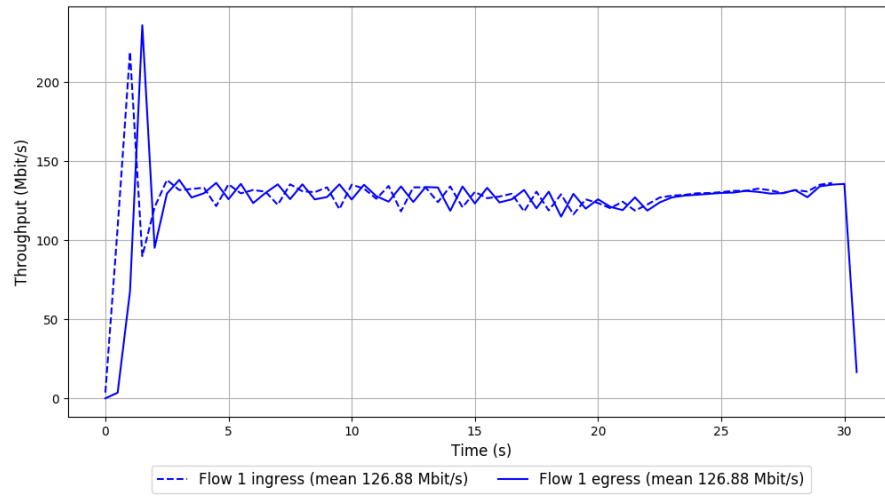
-- Flow 1:

Average throughput: 126.88 Mbit/s

95th percentile per-packet one-way delay: 52.197 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

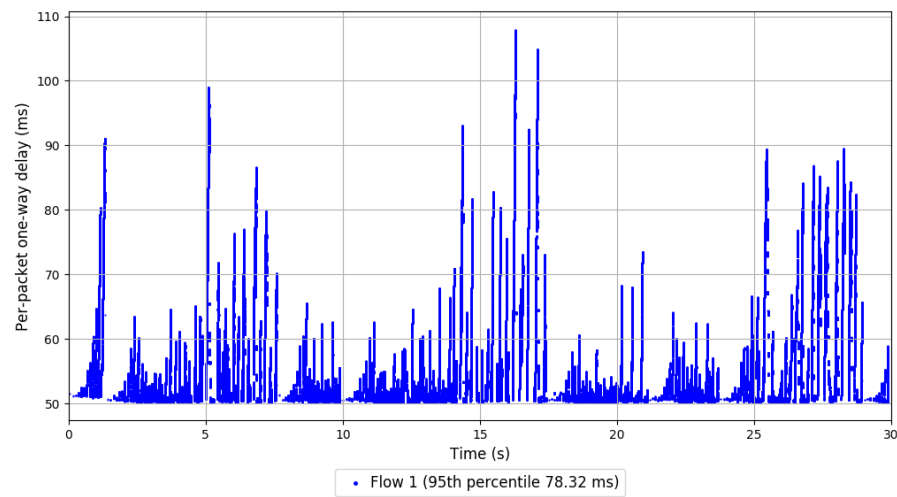
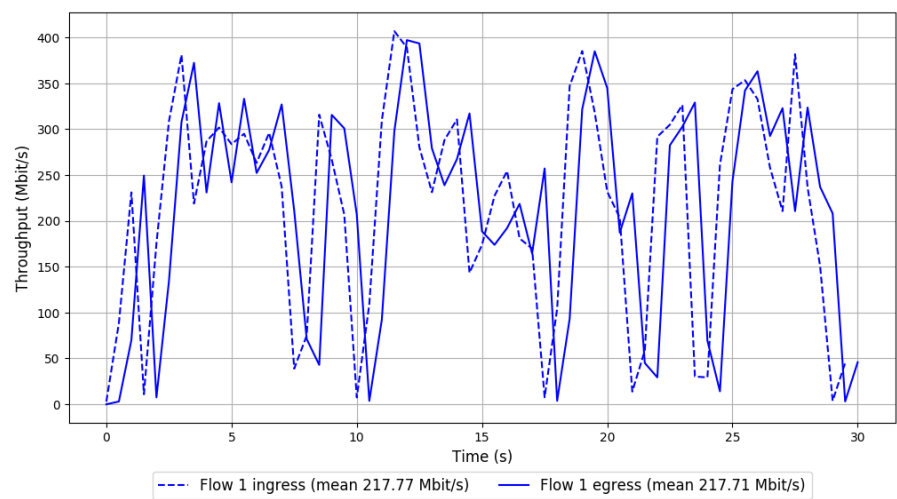


Run 1: Statistics of Verus

Start at: 2018-07-05 12:53:37
End at: 2018-07-05 12:54:07
Local clock offset: -0.209 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-05 18:06:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.71 Mbit/s
95th percentile per-packet one-way delay: 78.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.71 Mbit/s
95th percentile per-packet one-way delay: 78.321 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-05 13:14:56

End at: 2018-07-05 13:15:26

Local clock offset: 0.049 ms

Remote clock offset: 1.009 ms

Below is generated by plot.py at 2018-07-05 18:07:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.74 Mbit/s

95th percentile per-packet one-way delay: 178.282 ms

Loss rate: 0.15%

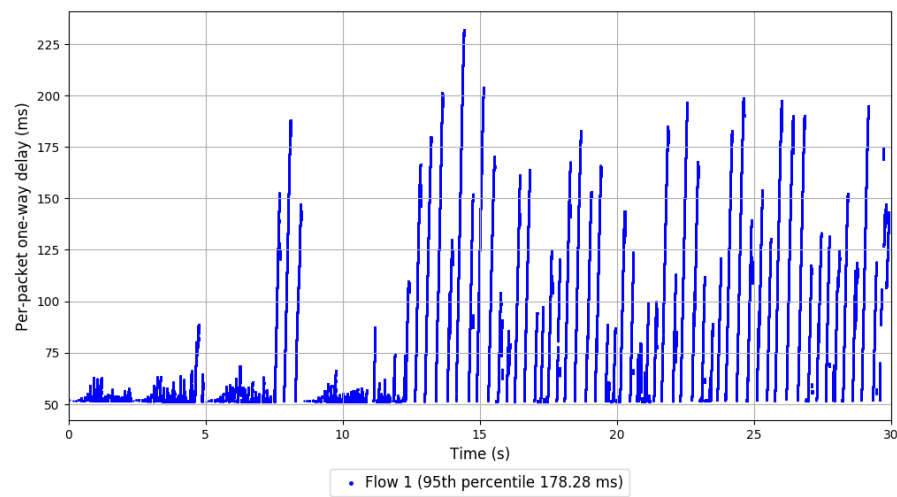
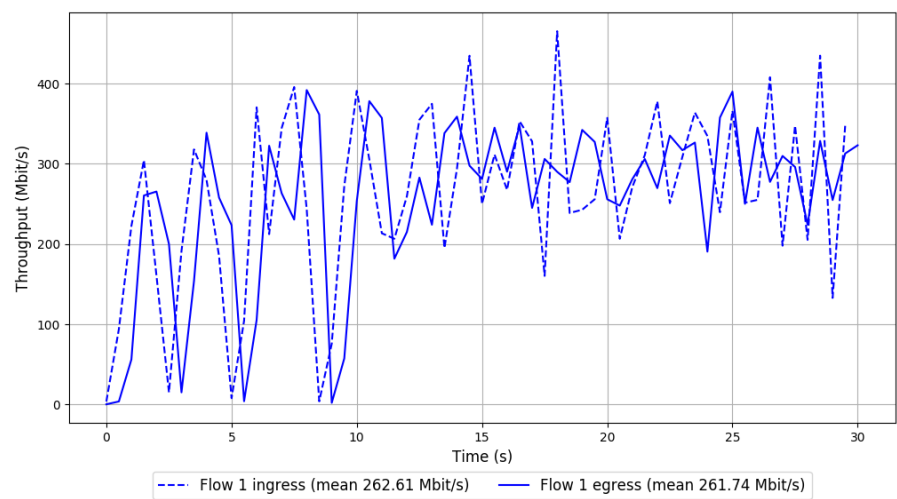
-- Flow 1:

Average throughput: 261.74 Mbit/s

95th percentile per-packet one-way delay: 178.282 ms

Loss rate: 0.15%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-05 13:36:32

End at: 2018-07-05 13:37:02

Local clock offset: -0.023 ms

Remote clock offset: 1.244 ms

Below is generated by plot.py at 2018-07-05 18:07:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.23 Mbit/s

95th percentile per-packet one-way delay: 61.784 ms

Loss rate: 0.00%

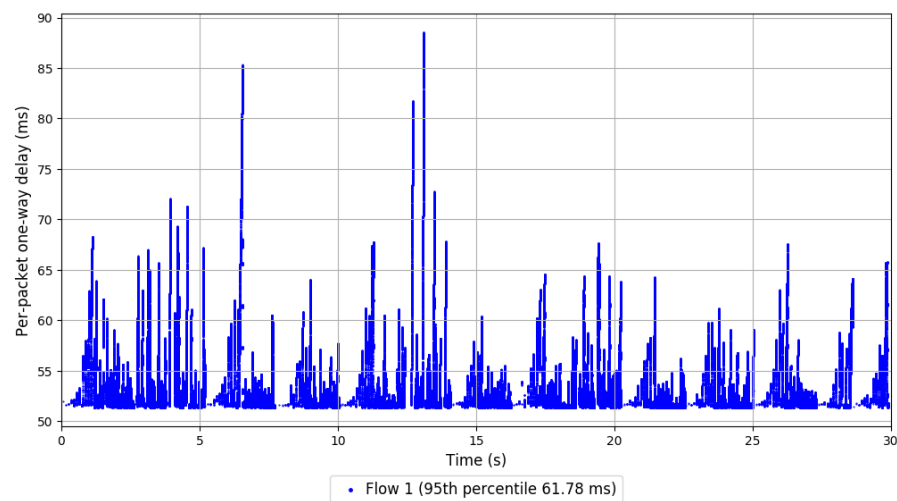
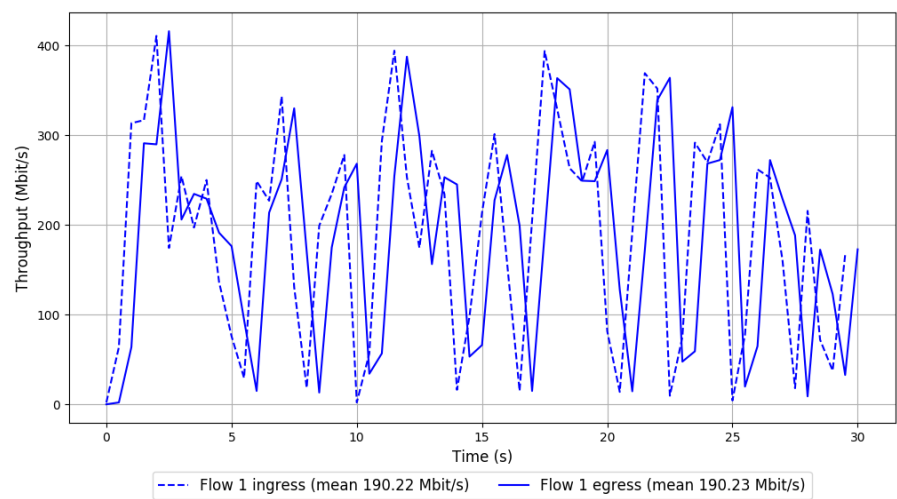
-- Flow 1:

Average throughput: 190.23 Mbit/s

95th percentile per-packet one-way delay: 61.784 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-05 13:58:14

End at: 2018-07-05 13:58:44

Local clock offset: -0.003 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-05 18:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.45 Mbit/s

95th percentile per-packet one-way delay: 173.897 ms

Loss rate: 0.31%

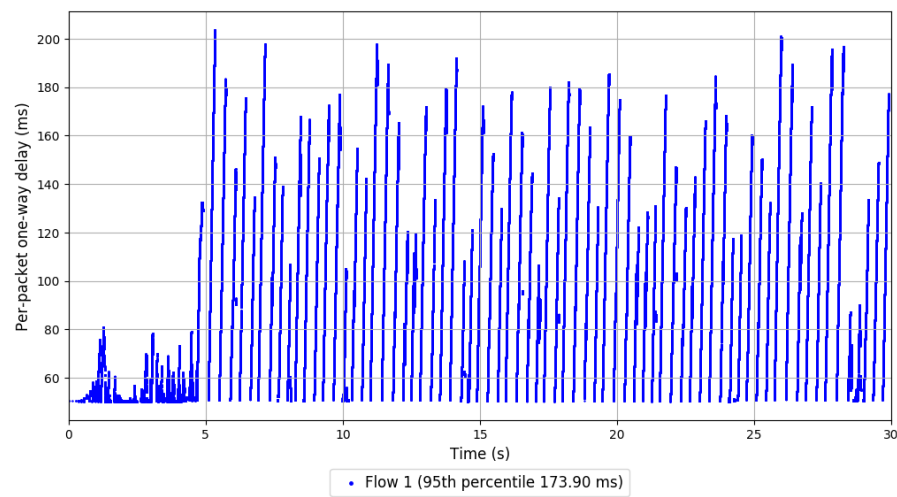
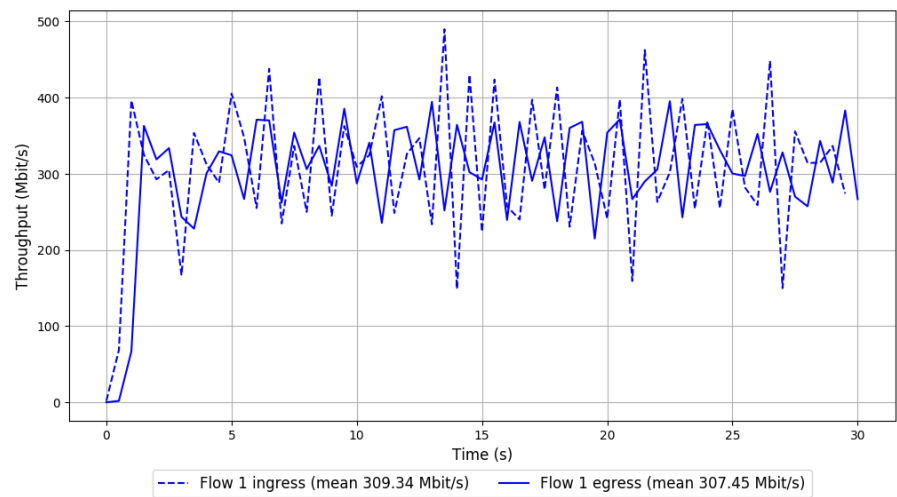
-- Flow 1:

Average throughput: 307.45 Mbit/s

95th percentile per-packet one-way delay: 173.897 ms

Loss rate: 0.31%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-05 14:20:19

End at: 2018-07-05 14:20:49

Local clock offset: -0.013 ms

Remote clock offset: 0.962 ms

Below is generated by plot.py at 2018-07-05 18:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.04 Mbit/s

95th percentile per-packet one-way delay: 69.601 ms

Loss rate: 0.01%

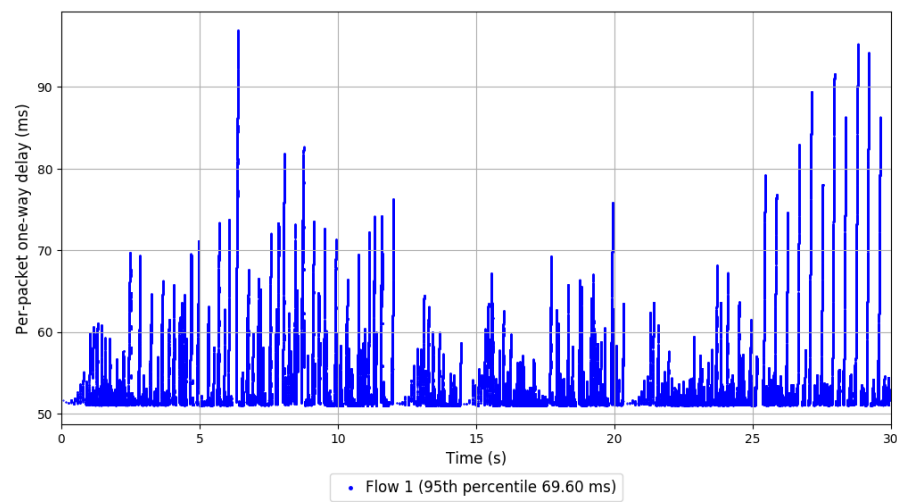
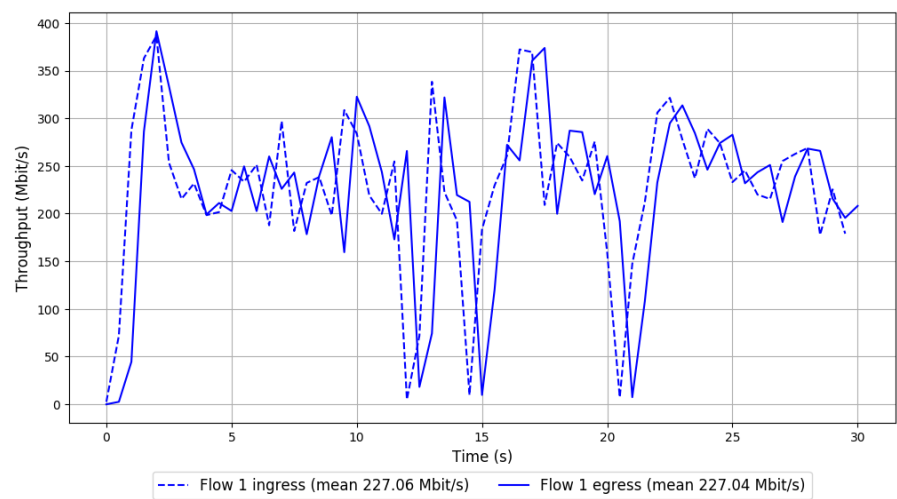
-- Flow 1:

Average throughput: 227.04 Mbit/s

95th percentile per-packet one-way delay: 69.601 ms

Loss rate: 0.01%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-05 14:42:02

End at: 2018-07-05 14:42:32

Local clock offset: -0.087 ms

Remote clock offset: 1.501 ms

Below is generated by plot.py at 2018-07-05 18:08:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.28 Mbit/s

95th percentile per-packet one-way delay: 91.491 ms

Loss rate: 0.00%

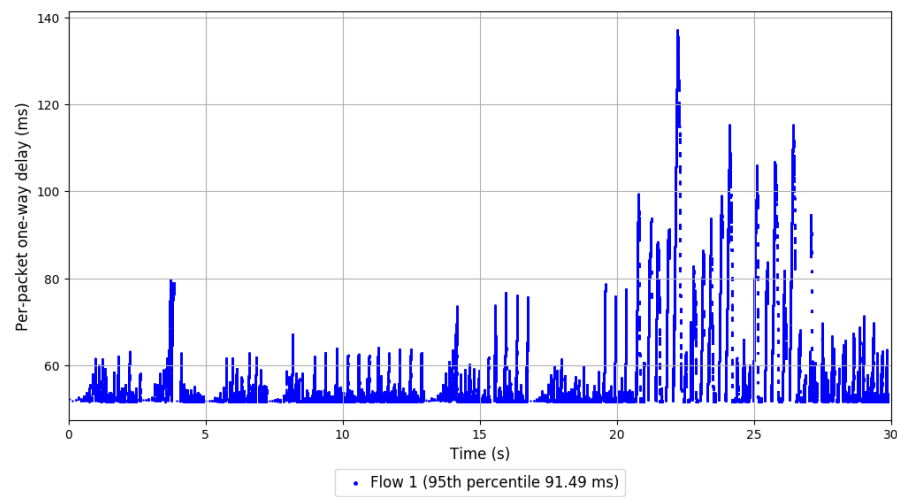
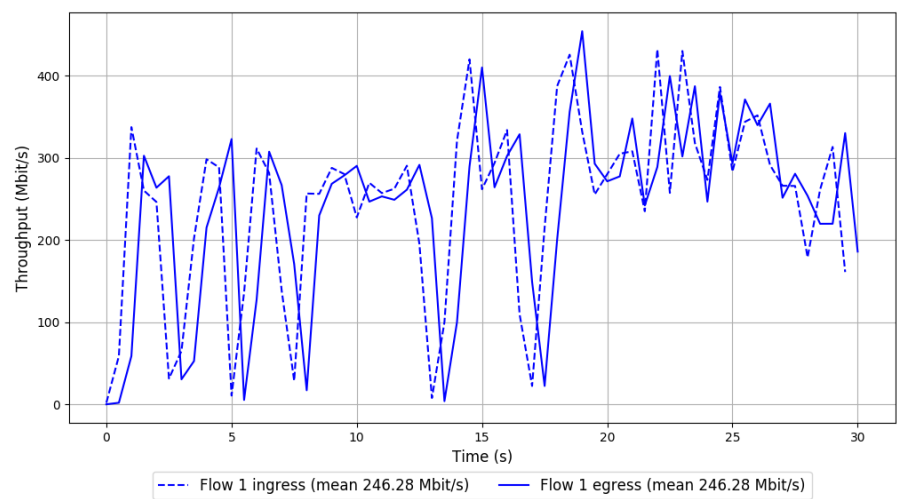
-- Flow 1:

Average throughput: 246.28 Mbit/s

95th percentile per-packet one-way delay: 91.491 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

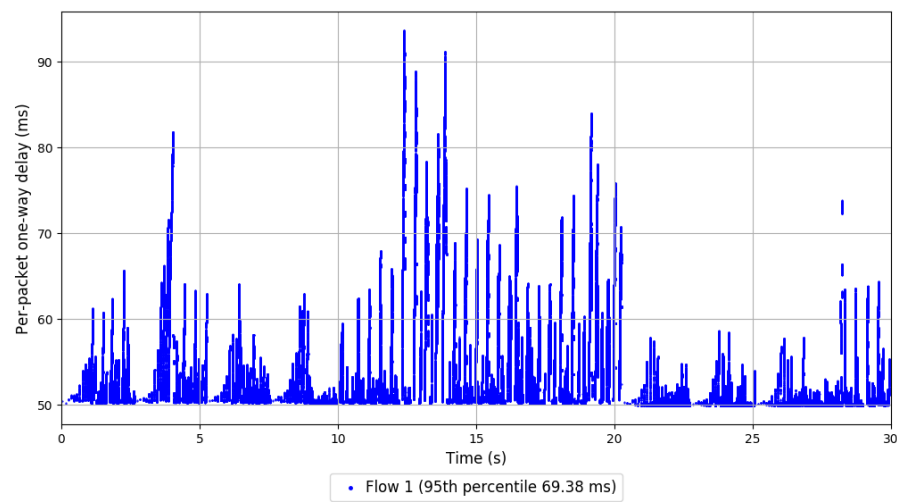
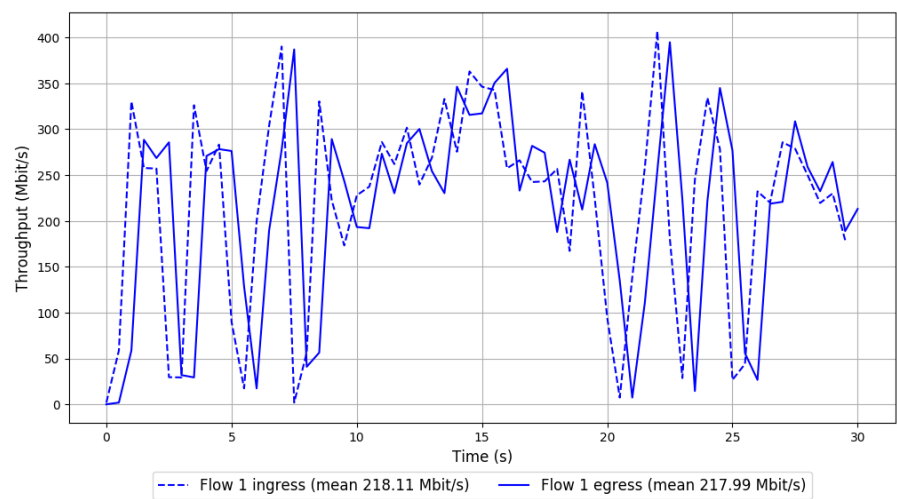


Run 7: Statistics of Verus

Start at: 2018-07-05 15:03:48
End at: 2018-07-05 15:04:18
Local clock offset: -0.143 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-07-05 18:08:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.99 Mbit/s
95th percentile per-packet one-way delay: 69.379 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 217.99 Mbit/s
95th percentile per-packet one-way delay: 69.379 ms
Loss rate: 0.05%

Run 7: Report of Verus — Data Link

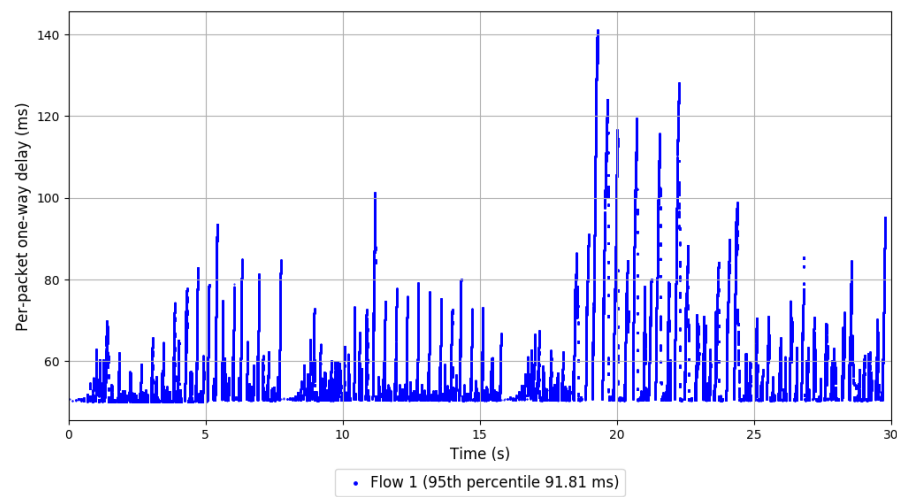
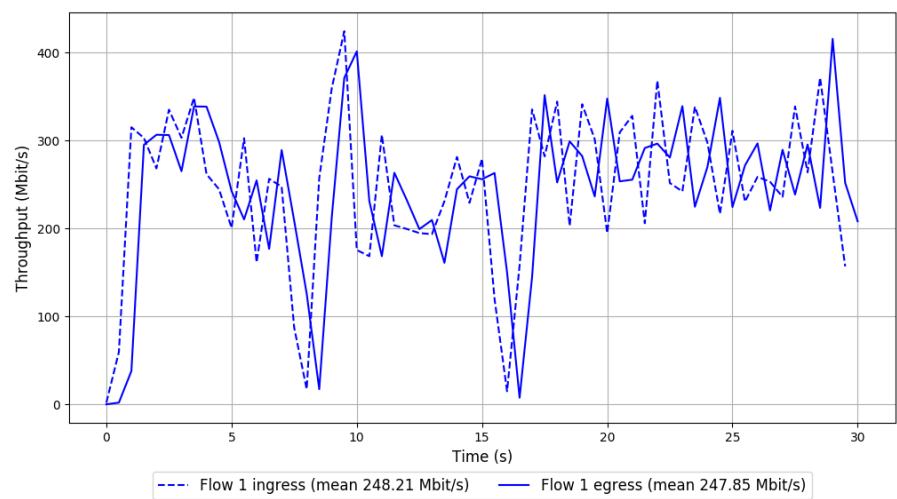


Run 8: Statistics of Verus

Start at: 2018-07-05 15:25:54
End at: 2018-07-05 15:26:24
Local clock offset: -0.216 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-05 18:09:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.85 Mbit/s
95th percentile per-packet one-way delay: 91.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.85 Mbit/s
95th percentile per-packet one-way delay: 91.807 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

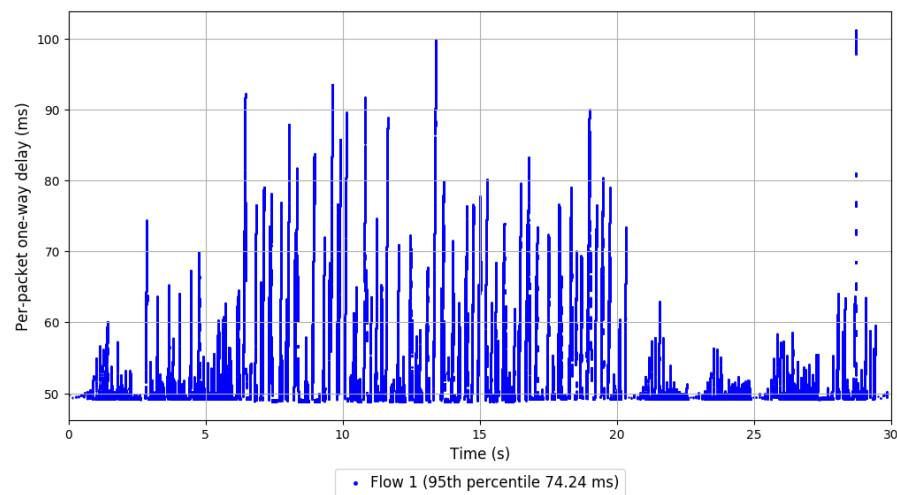
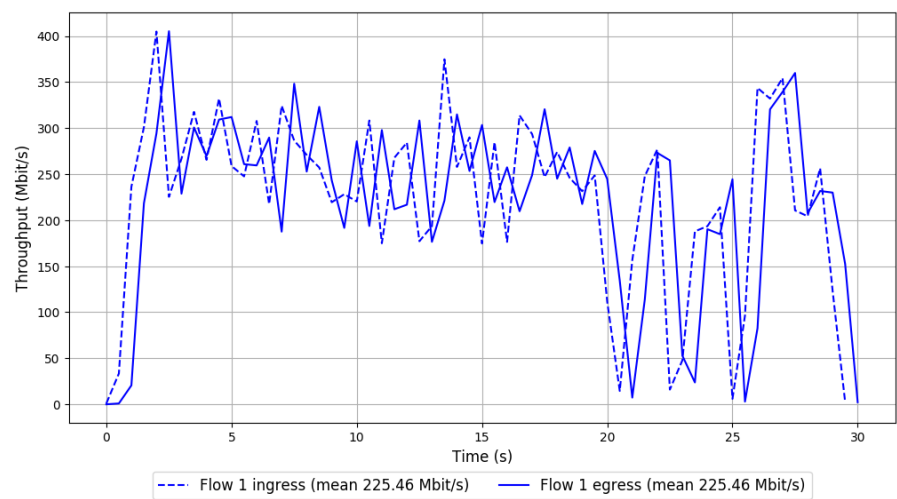


Run 9: Statistics of Verus

Start at: 2018-07-05 15:47:52
End at: 2018-07-05 15:48:22
Local clock offset: -0.106 ms
Remote clock offset: -1.325 ms

Below is generated by plot.py at 2018-07-05 18:10:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.46 Mbit/s
95th percentile per-packet one-way delay: 74.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.46 Mbit/s
95th percentile per-packet one-way delay: 74.240 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

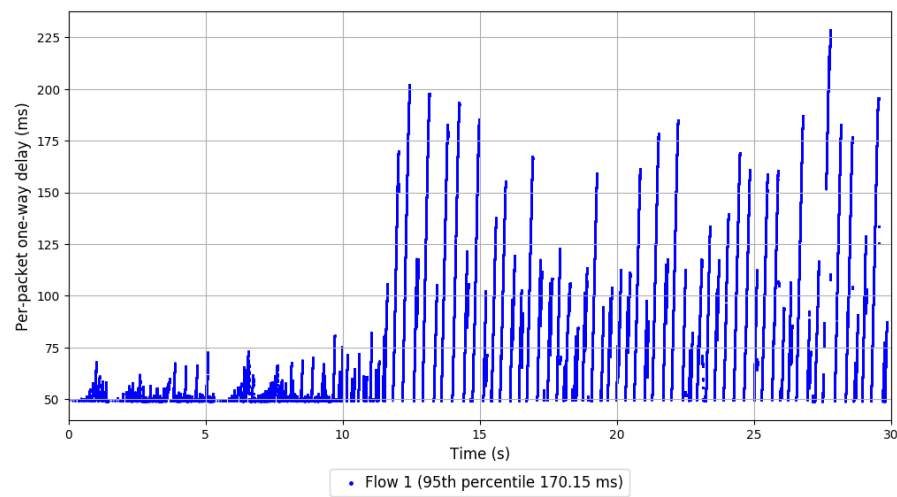
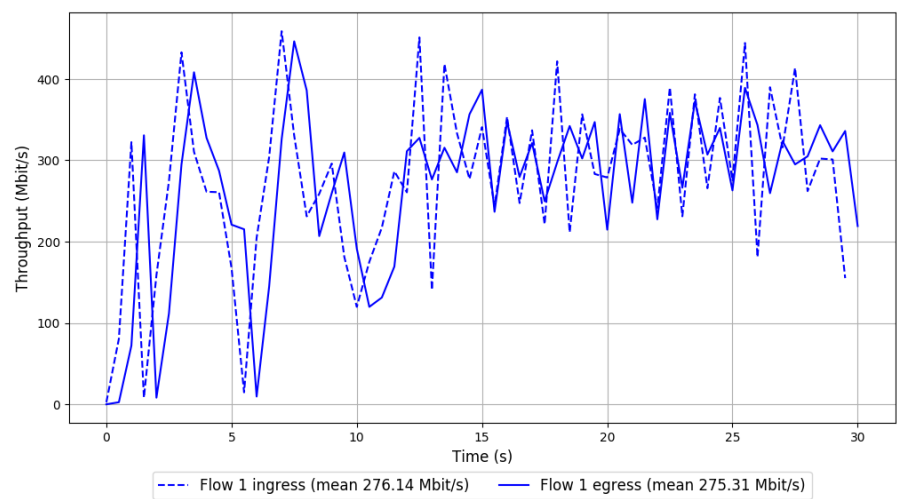


Run 10: Statistics of Verus

Start at: 2018-07-05 16:09:52
End at: 2018-07-05 16:10:22
Local clock offset: 0.005 ms
Remote clock offset: -1.049 ms

Below is generated by plot.py at 2018-07-05 18:11:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 275.31 Mbit/s
95th percentile per-packet one-way delay: 170.147 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 275.31 Mbit/s
95th percentile per-packet one-way delay: 170.147 ms
Loss rate: 0.18%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-05 12:54:57

End at: 2018-07-05 12:55:27

Local clock offset: -0.175 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-07-05 18:13:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 313.41 Mbit/s

95th percentile per-packet one-way delay: 53.645 ms

Loss rate: 0.01%

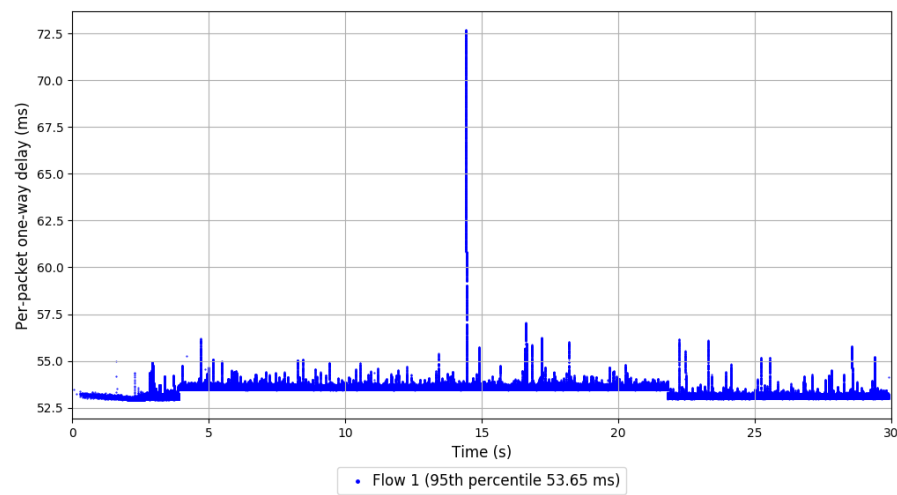
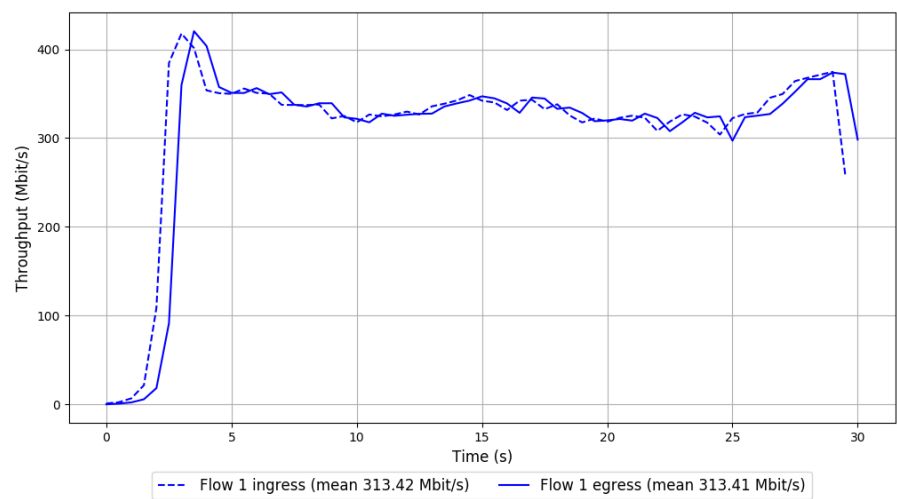
-- Flow 1:

Average throughput: 313.41 Mbit/s

95th percentile per-packet one-way delay: 53.645 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-05 13:16:18

End at: 2018-07-05 13:16:48

Local clock offset: 0.116 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-05 18:13:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.43 Mbit/s

95th percentile per-packet one-way delay: 53.664 ms

Loss rate: 0.00%

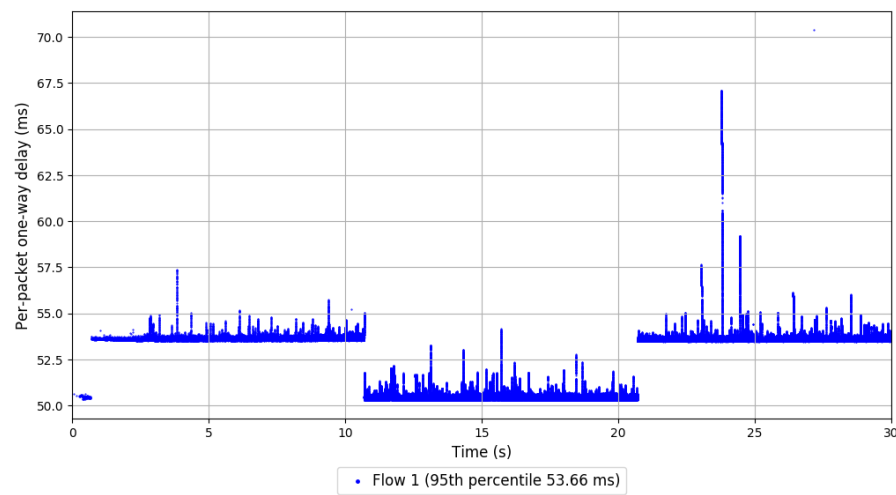
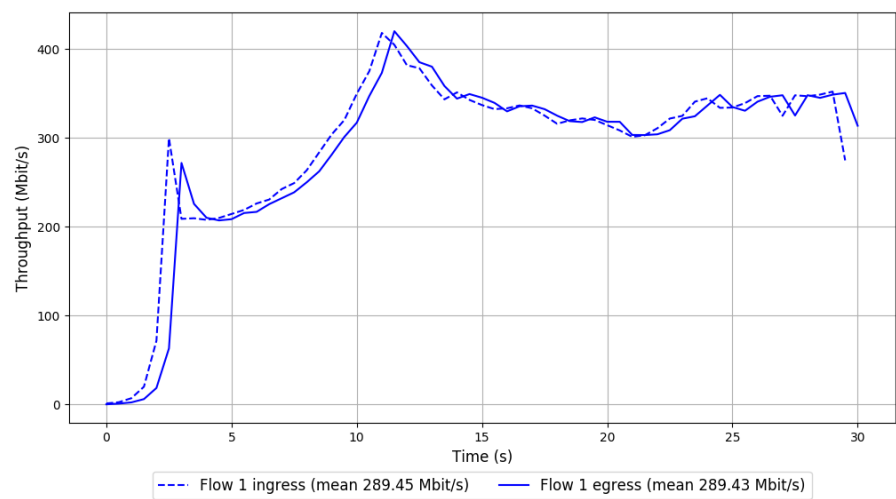
-- Flow 1:

Average throughput: 289.43 Mbit/s

95th percentile per-packet one-way delay: 53.664 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-05 13:37:50

End at: 2018-07-05 13:38:20

Local clock offset: -0.076 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2018-07-05 18:13:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.20 Mbit/s

95th percentile per-packet one-way delay: 54.912 ms

Loss rate: 0.00%

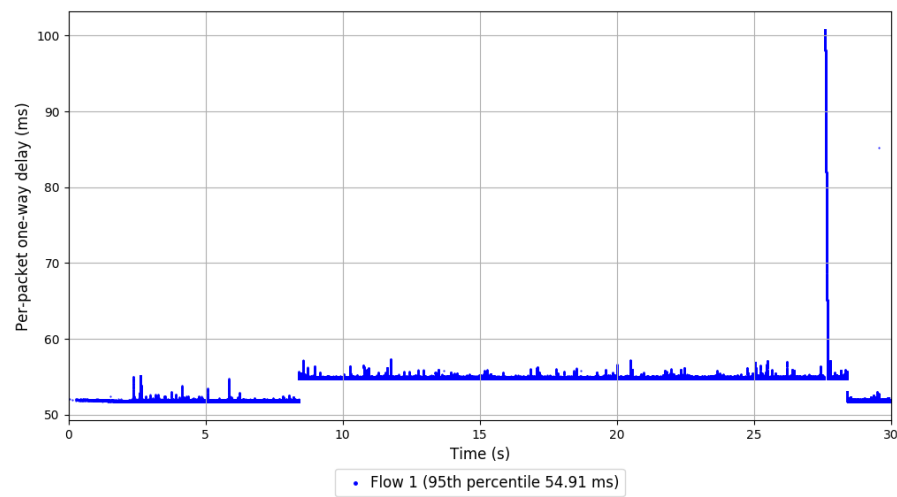
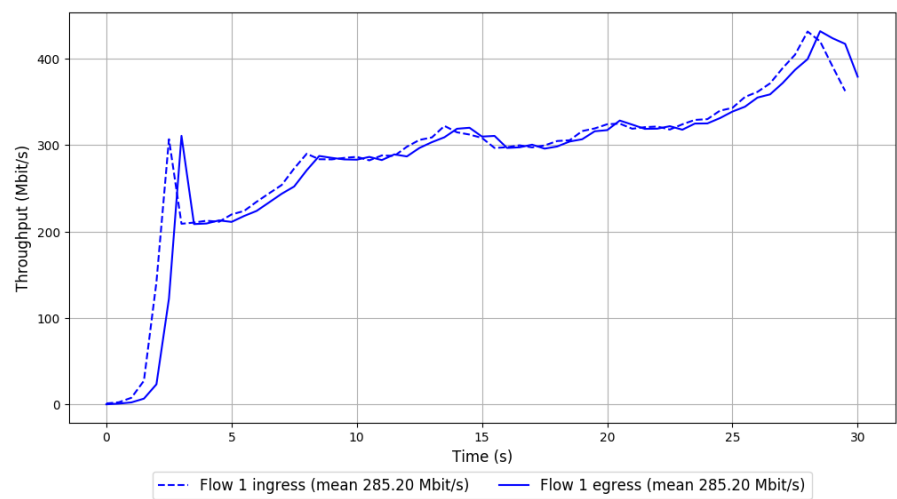
-- Flow 1:

Average throughput: 285.20 Mbit/s

95th percentile per-packet one-way delay: 54.912 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

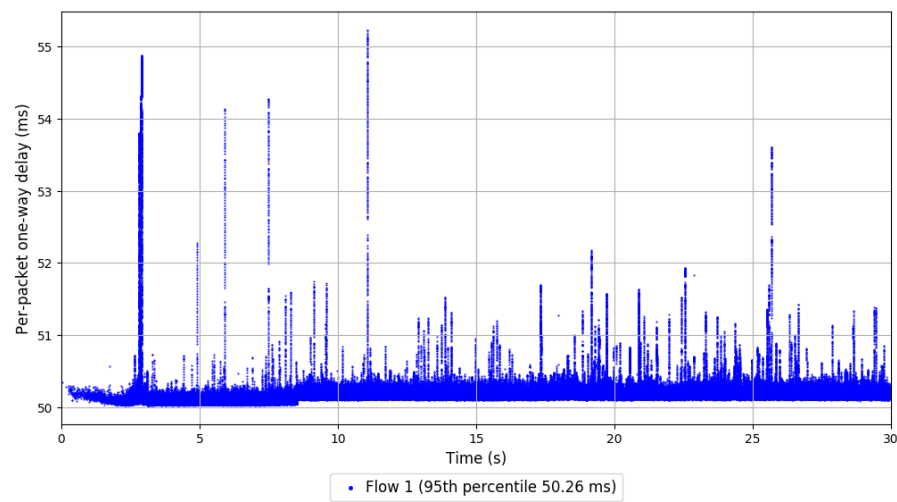
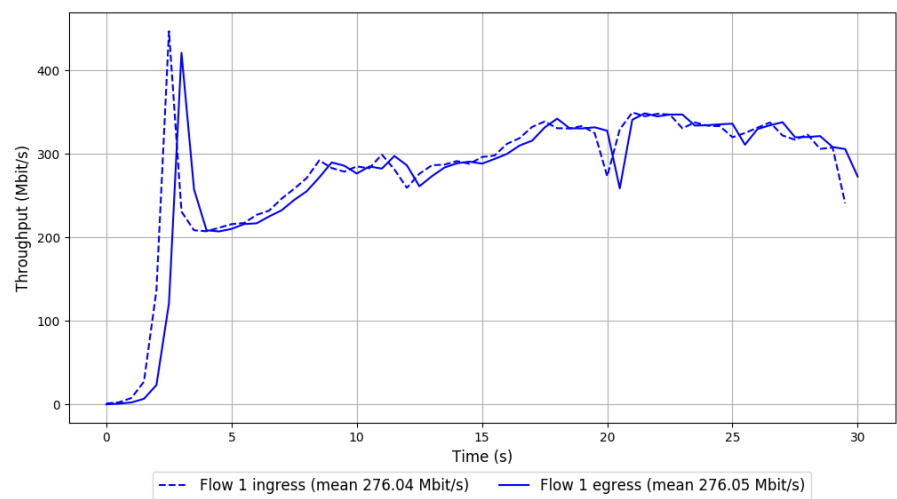


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-05 13:59:40
End at: 2018-07-05 14:00:10
Local clock offset: -0.185 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-05 18:13:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.05 Mbit/s
95th percentile per-packet one-way delay: 50.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.05 Mbit/s
95th percentile per-packet one-way delay: 50.263 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

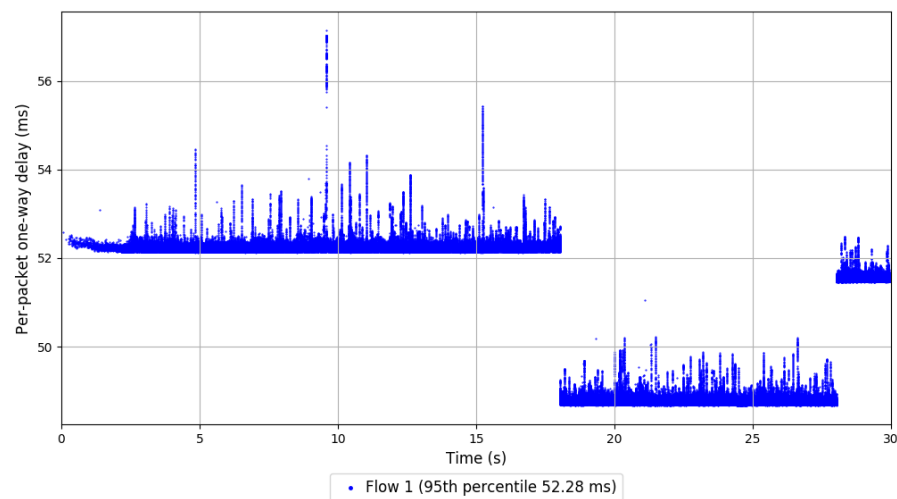
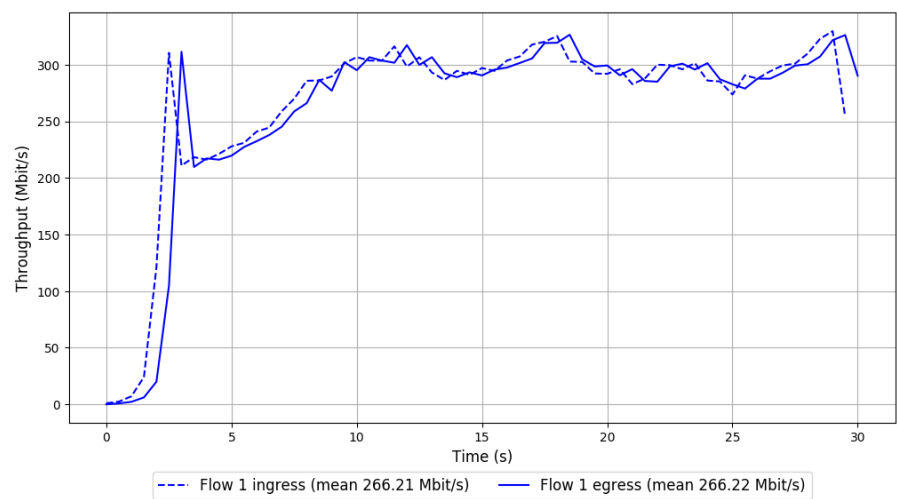


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-05 14:21:41
End at: 2018-07-05 14:22:11
Local clock offset: -0.121 ms
Remote clock offset: -1.476 ms

Below is generated by plot.py at 2018-07-05 18:13:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.22 Mbit/s
95th percentile per-packet one-way delay: 52.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 266.22 Mbit/s
95th percentile per-packet one-way delay: 52.276 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-05 14:43:24

End at: 2018-07-05 14:43:54

Local clock offset: -0.247 ms

Remote clock offset: 1.471 ms

Below is generated by plot.py at 2018-07-05 18:14:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.92 Mbit/s

95th percentile per-packet one-way delay: 55.077 ms

Loss rate: 0.00%

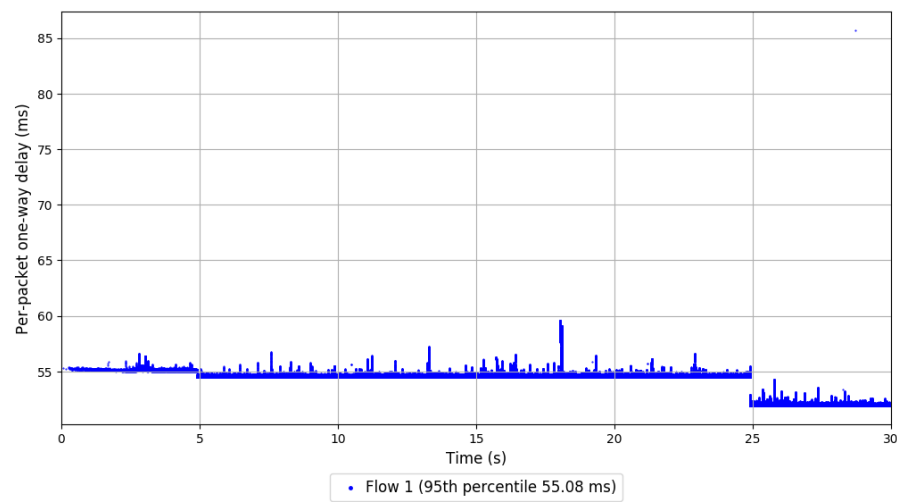
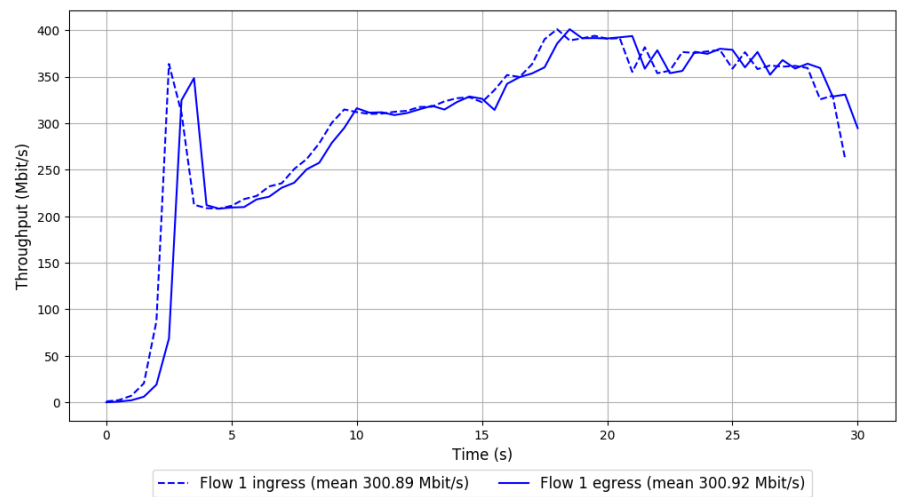
-- Flow 1:

Average throughput: 300.92 Mbit/s

95th percentile per-packet one-way delay: 55.077 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-05 15:05:08

End at: 2018-07-05 15:05:38

Local clock offset: -0.018 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-07-05 18:14:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.74 Mbit/s

95th percentile per-packet one-way delay: 50.561 ms

Loss rate: 0.00%

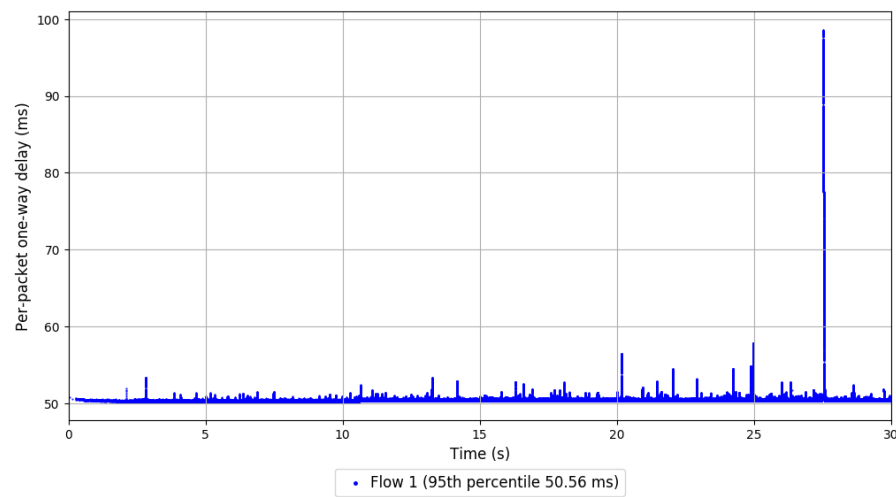
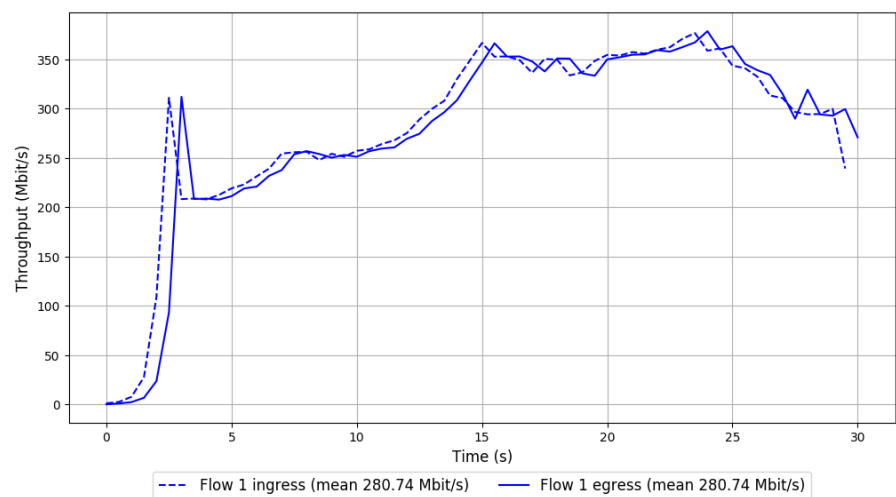
-- Flow 1:

Average throughput: 280.74 Mbit/s

95th percentile per-packet one-way delay: 50.561 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-05 15:27:15

End at: 2018-07-05 15:27:45

Local clock offset: -0.097 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-07-05 18:14:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.93 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.00%

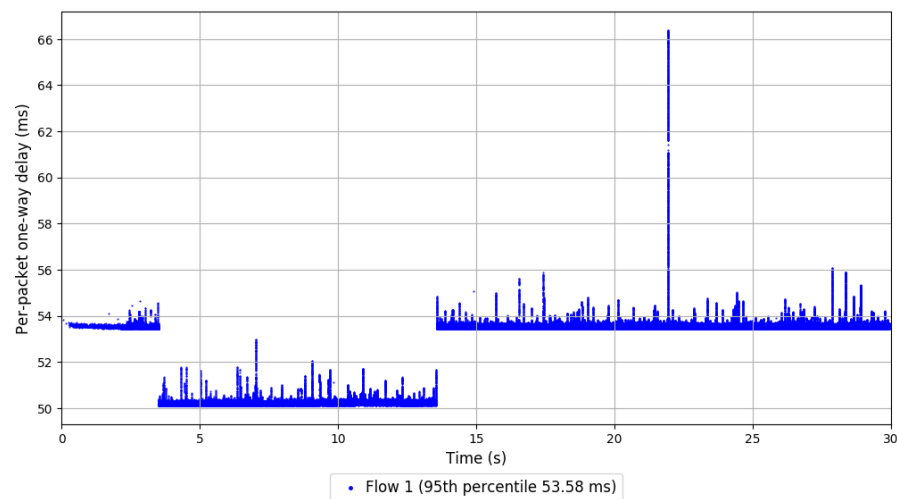
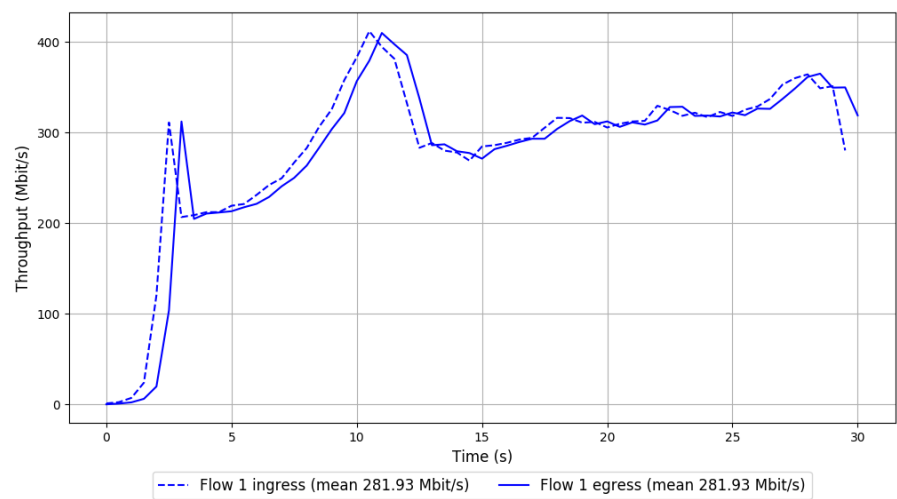
-- Flow 1:

Average throughput: 281.93 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-05 15:49:12

End at: 2018-07-05 15:49:42

Local clock offset: 0.068 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-05 18:15:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.09 Mbit/s

95th percentile per-packet one-way delay: 53.612 ms

Loss rate: 0.00%

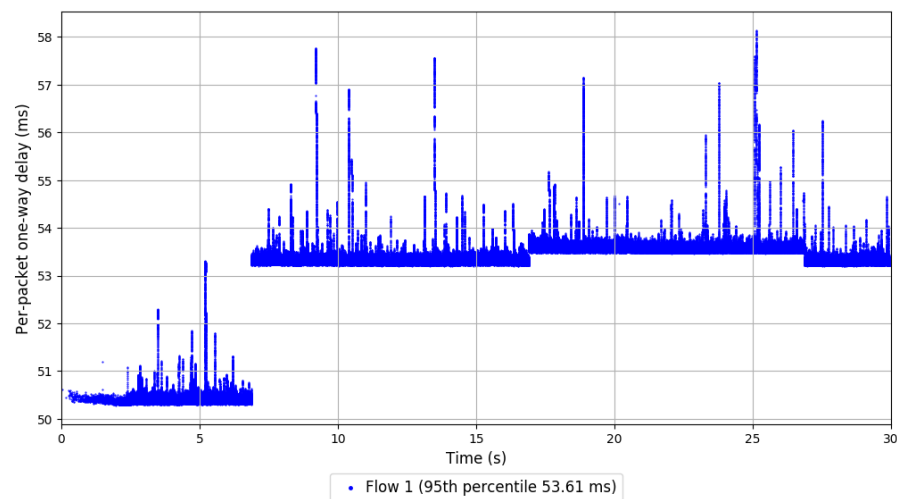
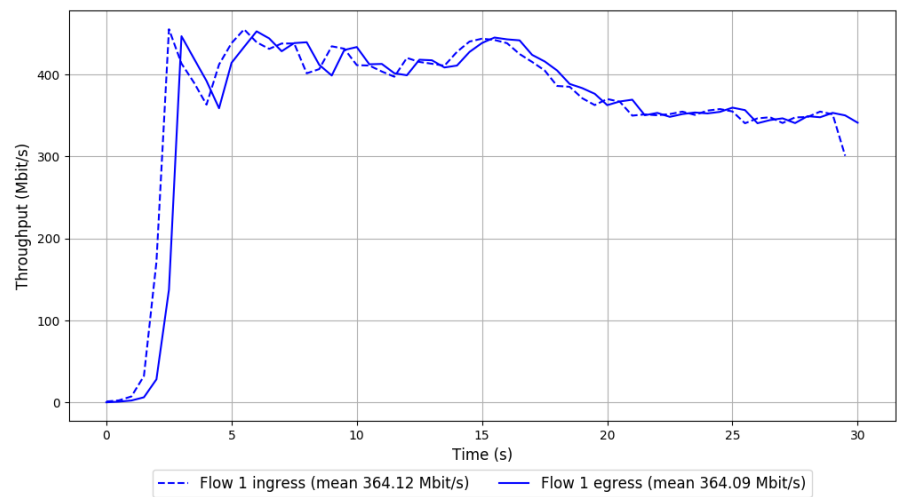
-- Flow 1:

Average throughput: 364.09 Mbit/s

95th percentile per-packet one-way delay: 53.612 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

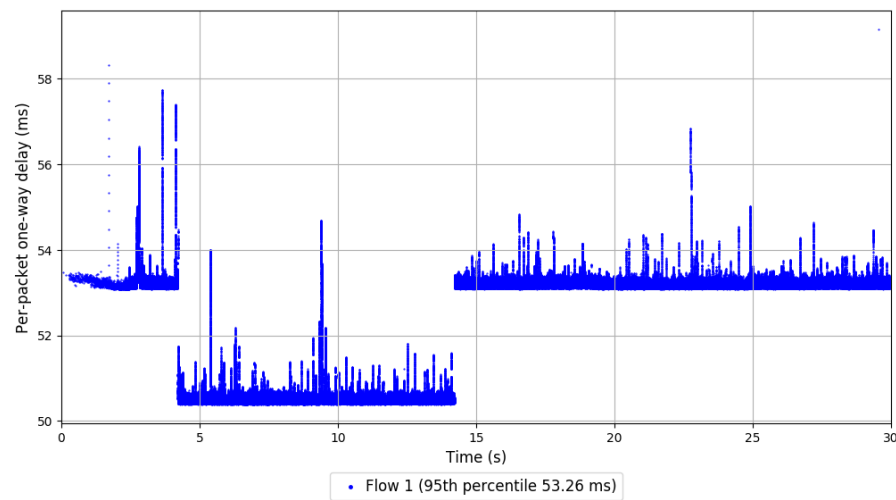
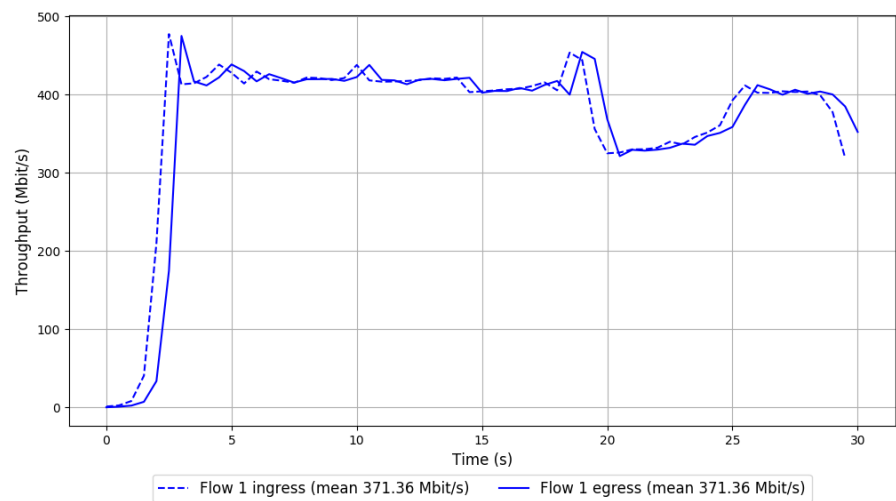


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-05 16:11:14
End at: 2018-07-05 16:11:45
Local clock offset: -0.062 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-05 18:15:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.36 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 371.36 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 0.01%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-05 13:04:52

End at: 2018-07-05 13:05:22

Local clock offset: 0.103 ms

Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-05 18:15:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 53.646 ms

Loss rate: 0.00%

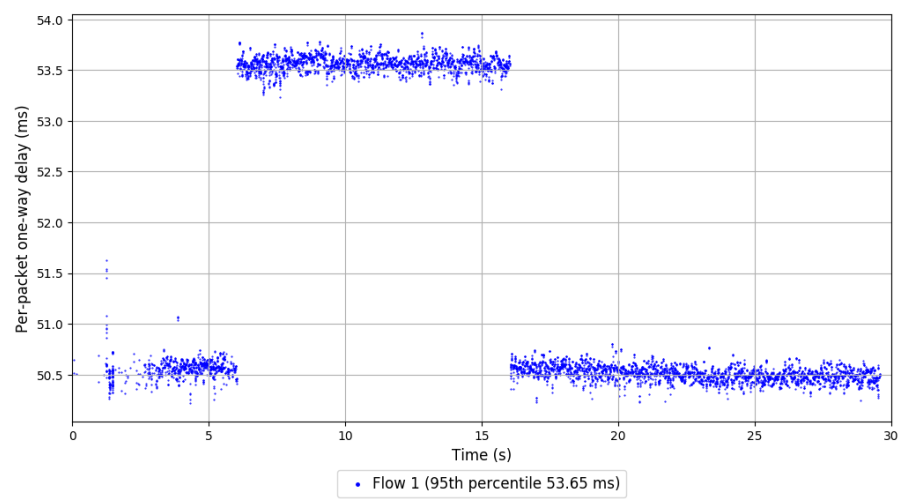
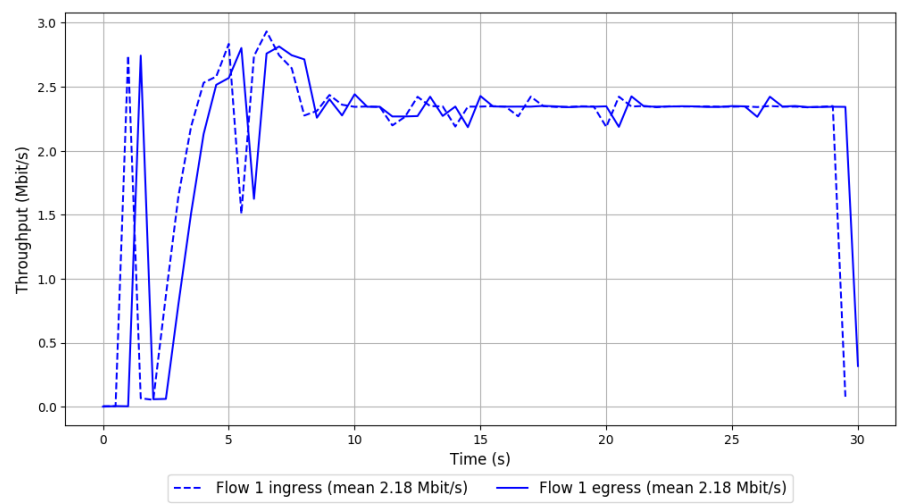
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 53.646 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-05 13:26:15

End at: 2018-07-05 13:26:45

Local clock offset: 0.113 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-05 18:15:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.753 ms

Loss rate: 0.00%

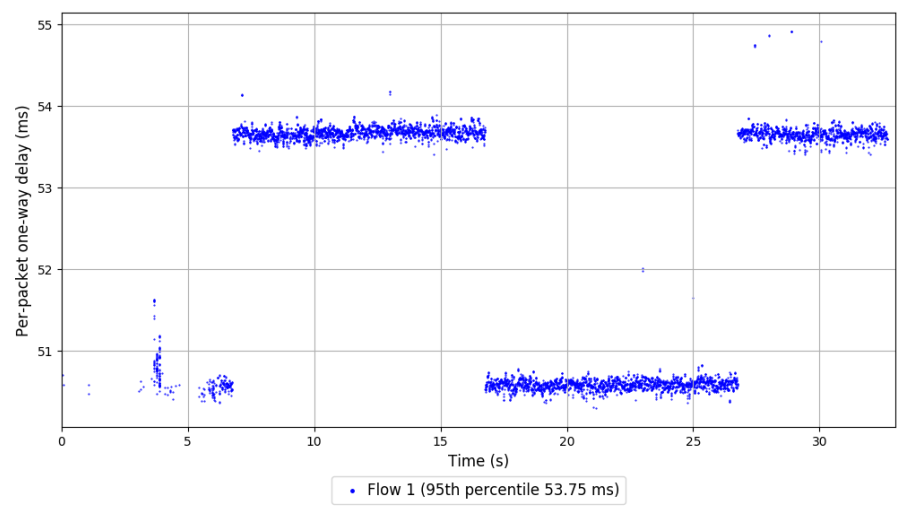
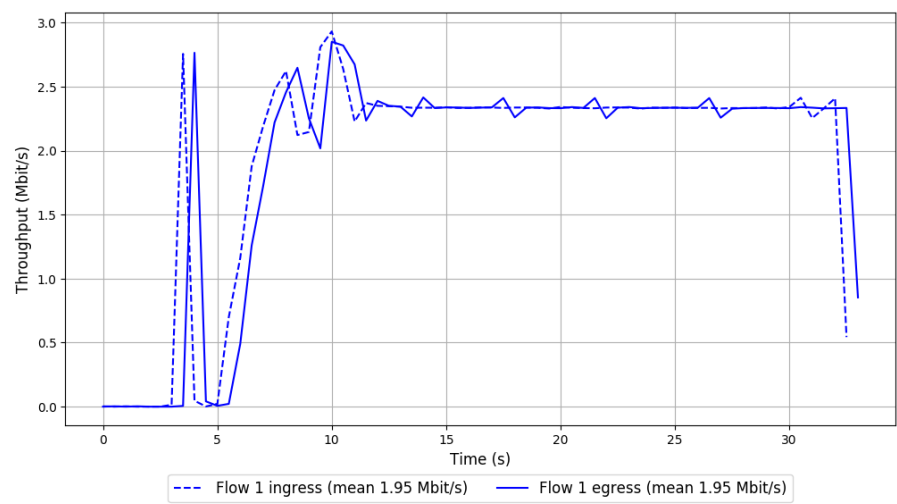
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.753 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

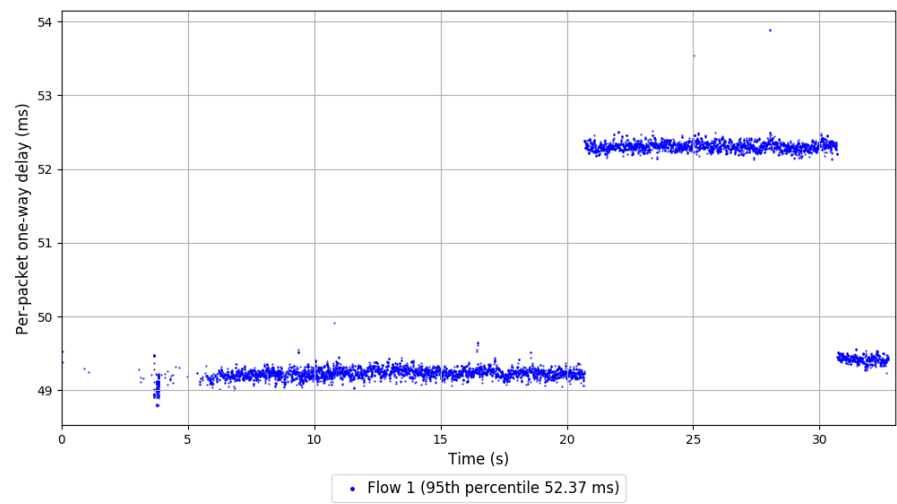
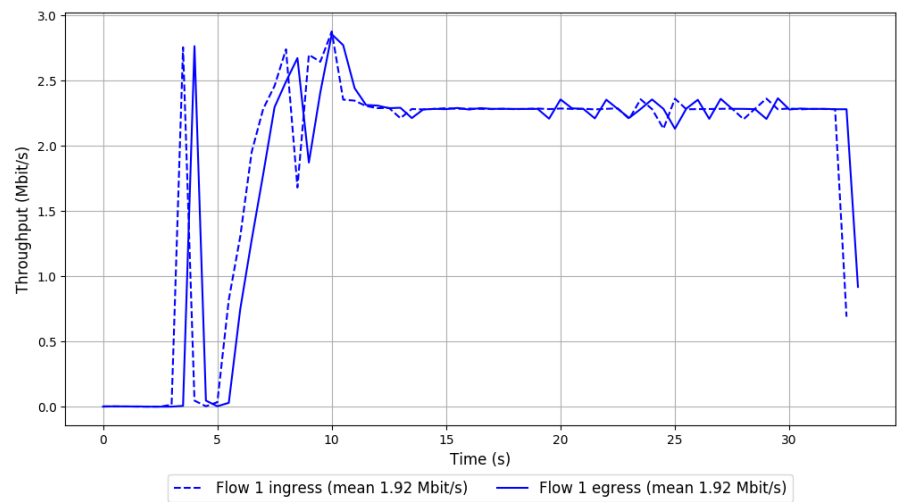


Run 3: Statistics of WebRTC media

Start at: 2018-07-05 13:47:51
End at: 2018-07-05 13:48:21
Local clock offset: -0.025 ms
Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-07-05 18:15:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 52.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 52.370 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-05 14:09:40

End at: 2018-07-05 14:10:10

Local clock offset: -0.236 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-07-05 18:15:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 54.391 ms

Loss rate: 0.01%

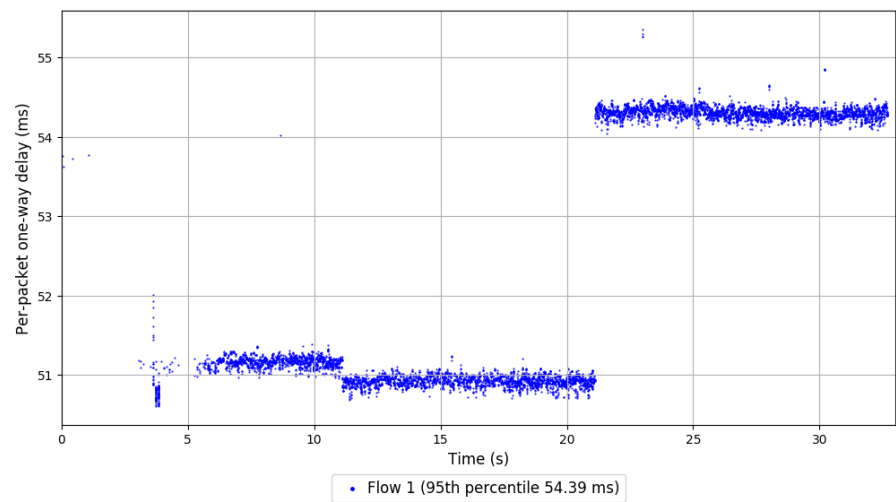
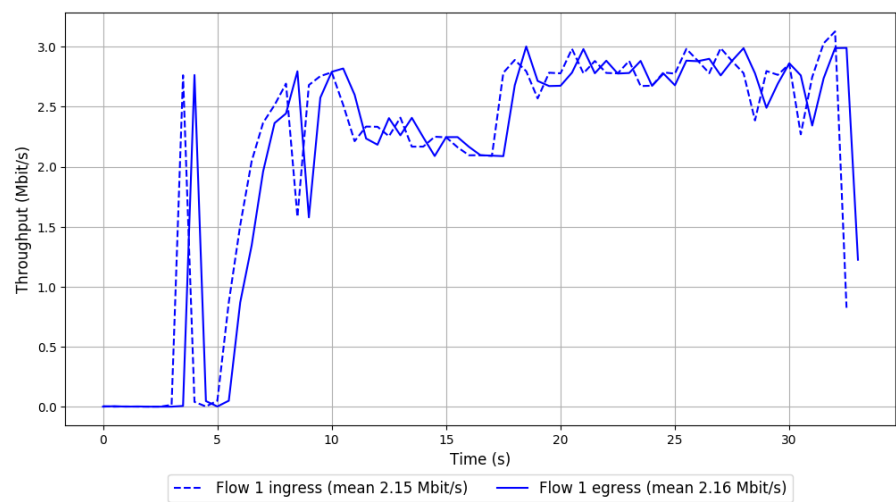
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 54.391 ms

Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-05 14:31:41

End at: 2018-07-05 14:32:11

Local clock offset: -0.267 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-05 18:15:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 54.035 ms

Loss rate: 0.00%

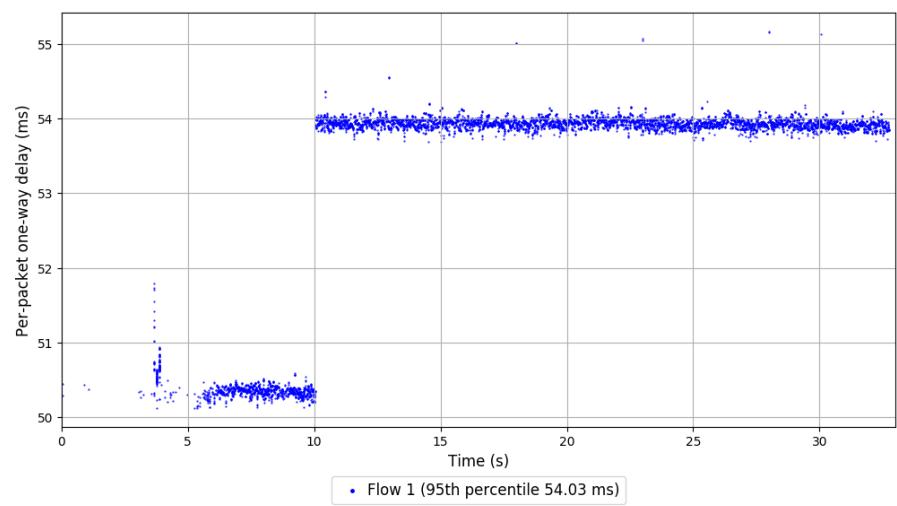
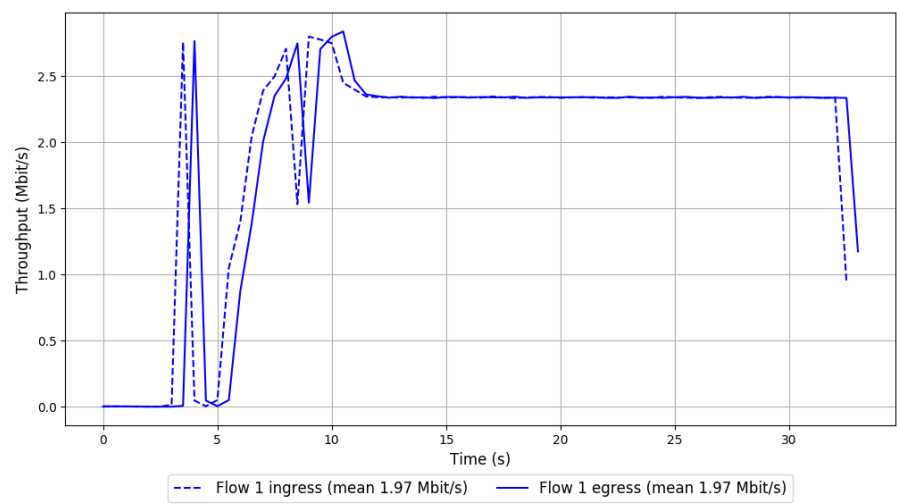
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 54.035 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-05 14:53:27

End at: 2018-07-05 14:53:57

Local clock offset: 0.0 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-05 18:15:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.863 ms

Loss rate: 0.00%

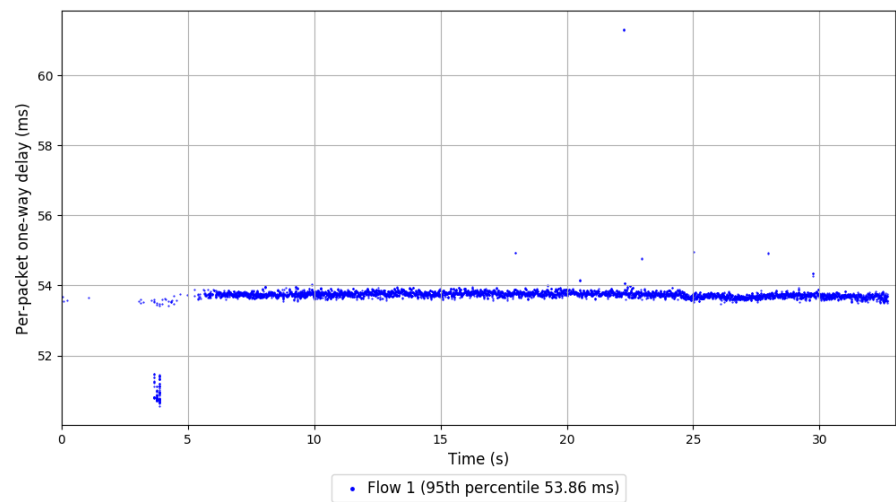
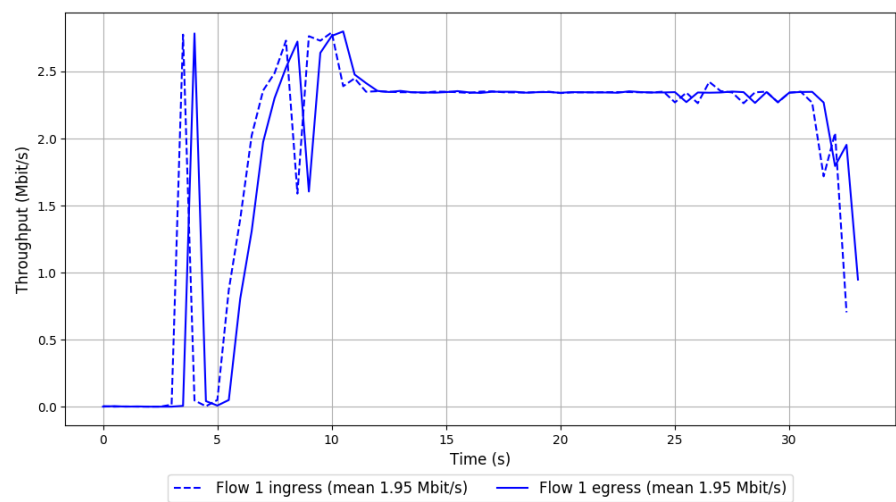
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.863 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

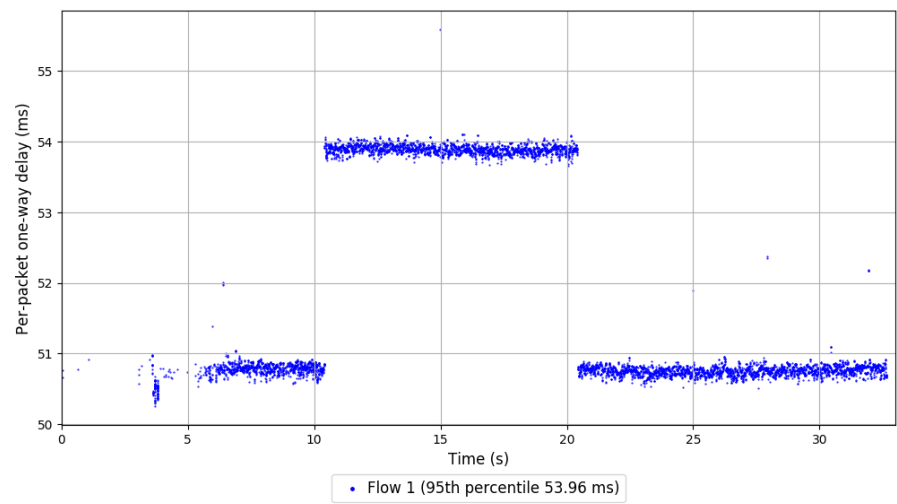
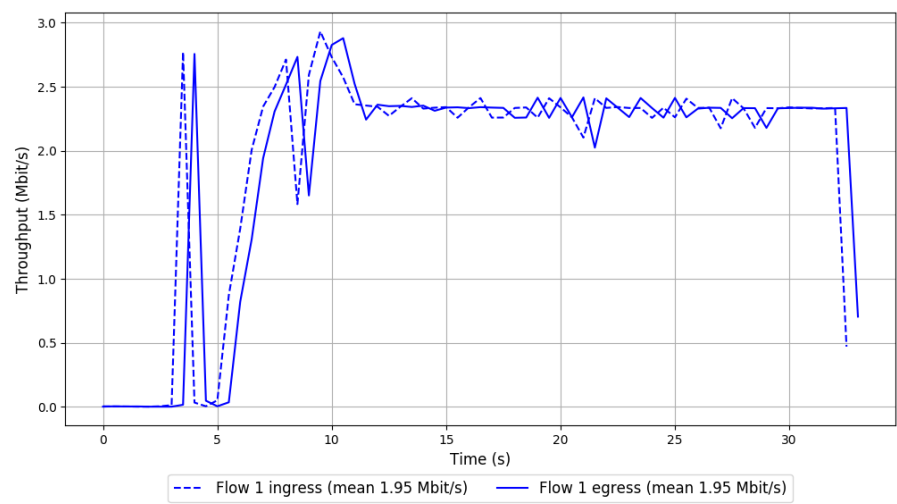


Run 7: Statistics of WebRTC media

Start at: 2018-07-05 15:15:11
End at: 2018-07-05 15:15:41
Local clock offset: -0.244 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-05 18:15:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.958 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-05 15:37:10

End at: 2018-07-05 15:37:40

Local clock offset: -0.212 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-05 18:15:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 54.191 ms

Loss rate: 0.00%

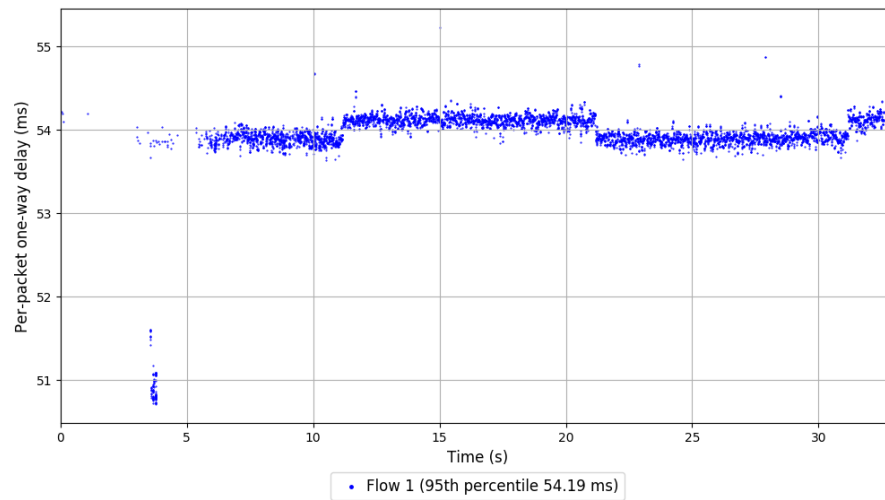
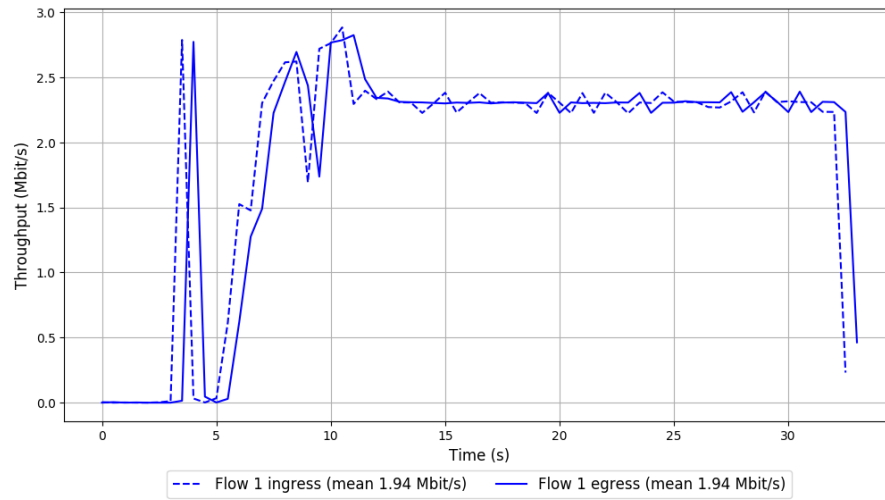
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 54.191 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-05 15:59:15

End at: 2018-07-05 15:59:45

Local clock offset: -0.114 ms

Remote clock offset: 1.206 ms

Below is generated by plot.py at 2018-07-05 18:15:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 54.692 ms

Loss rate: 0.00%

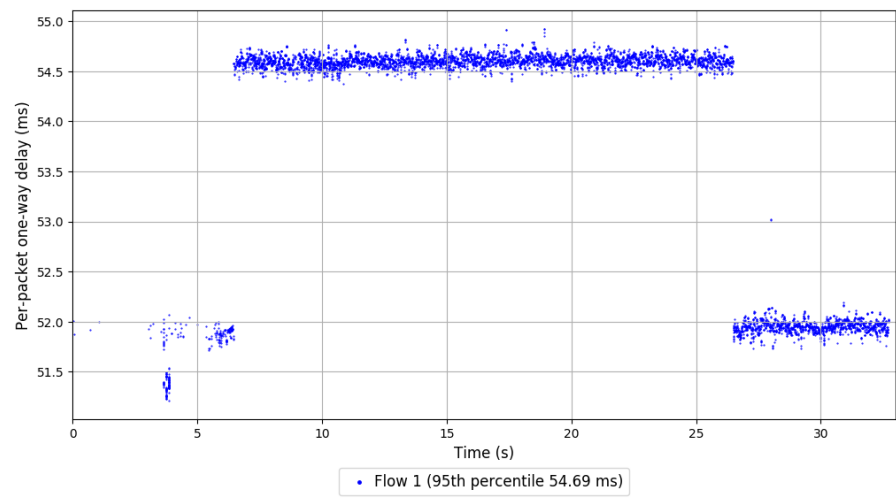
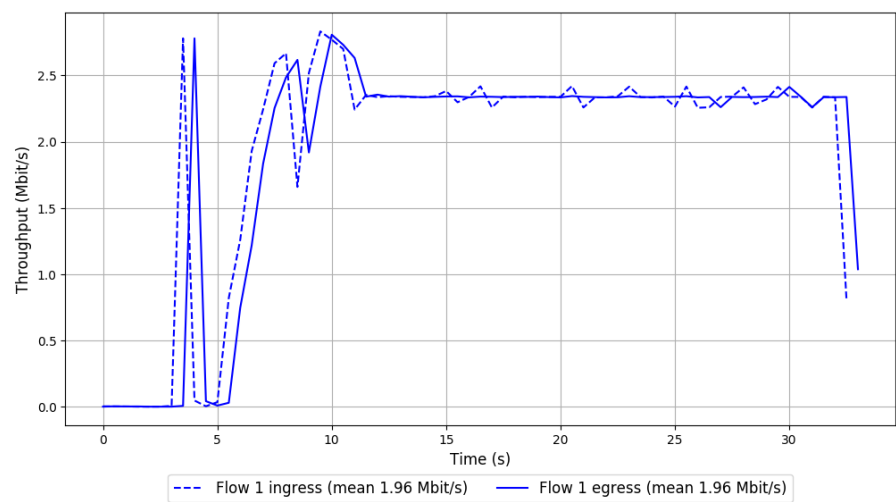
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 54.692 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-05 16:21:20

End at: 2018-07-05 16:21:50

Local clock offset: 0.009 ms

Remote clock offset: 1.325 ms

Below is generated by plot.py at 2018-07-05 18:15:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 55.017 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 55.017 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

