

Pantheon Report

Generated at 2018-08-04 00:27:48 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

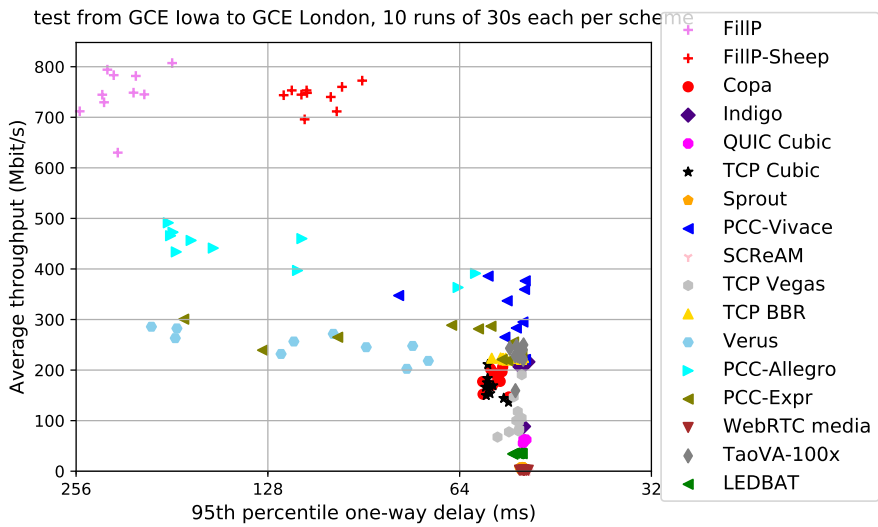
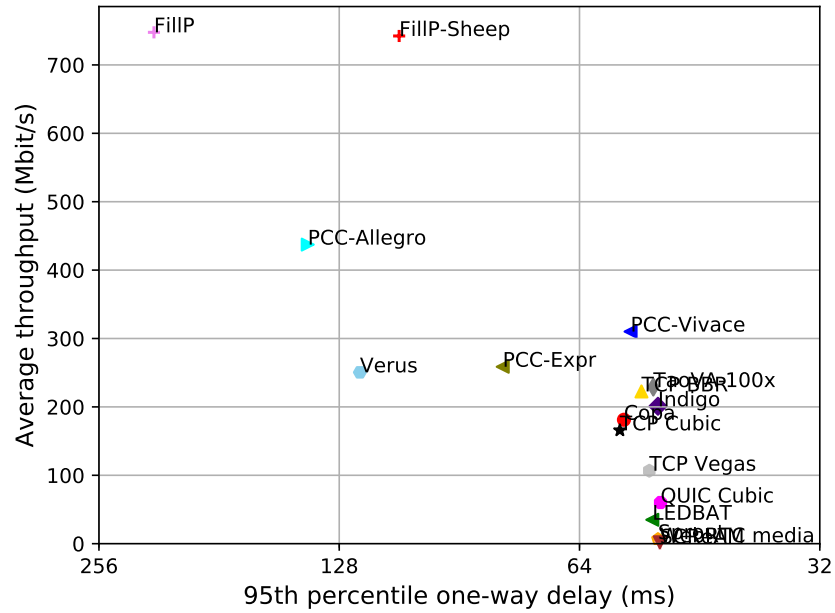
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	222.62	53.53	0.35
Copa	10	181.19	56.30	0.30
TCP Cubic	10	165.73	56.97	0.31
FillP	10	747.64	218.44	2.45
FillP-Sheep	10	742.33	107.68	0.60
Indigo	9	200.94	51.04	0.34
LEDBAT	10	34.96	51.88	0.67
PCC-Allegro	10	437.29	140.16	0.83
PCC-Expr	10	258.67	79.88	0.78
QUIC Cubic	3	60.19	50.67	0.53
SCReAM	10	0.22	50.75	0.32
Sprout	10	6.69	51.04	0.40
TaoVA-100x	10	228.99	51.73	0.31
TCP Vegas	10	106.65	52.33	0.32
Verus	10	250.52	120.60	0.58
PCC-Vivace	10	310.15	55.24	0.44
WebRTC media	9	1.98	50.76	0.38

Run 1: Statistics of TCP BBR

Start at: 2018-08-03 18:39:39

End at: 2018-08-03 18:40:10

Local clock offset: -0.314 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-08-03 22:27:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.82 Mbit/s

95th percentile per-packet one-way delay: 53.940 ms

Loss rate: 0.36%

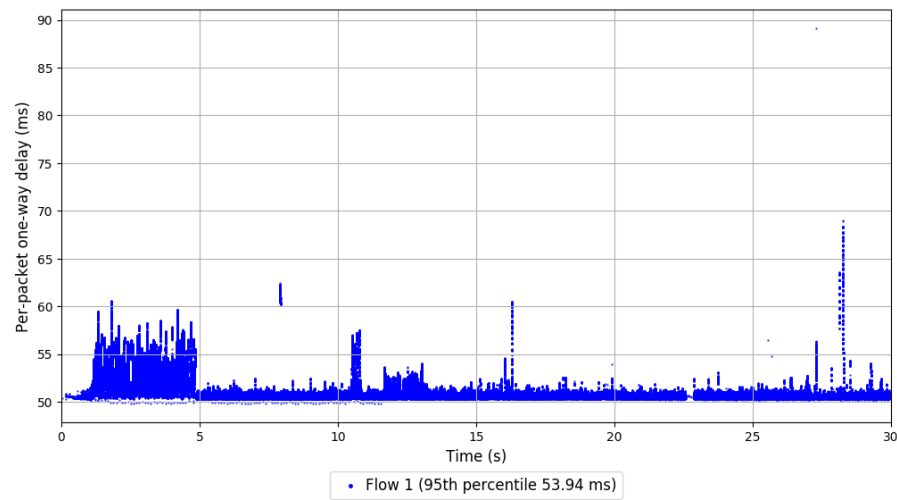
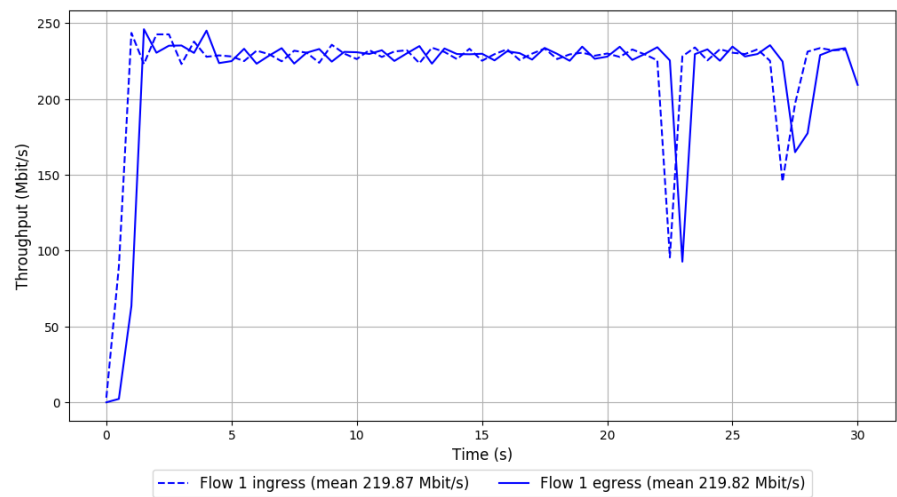
-- Flow 1:

Average throughput: 219.82 Mbit/s

95th percentile per-packet one-way delay: 53.940 ms

Loss rate: 0.36%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-03 19:01:25

End at: 2018-08-03 19:01:55

Local clock offset: 0.036 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-03 22:27:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.41 Mbit/s

95th percentile per-packet one-way delay: 54.199 ms

Loss rate: 0.33%

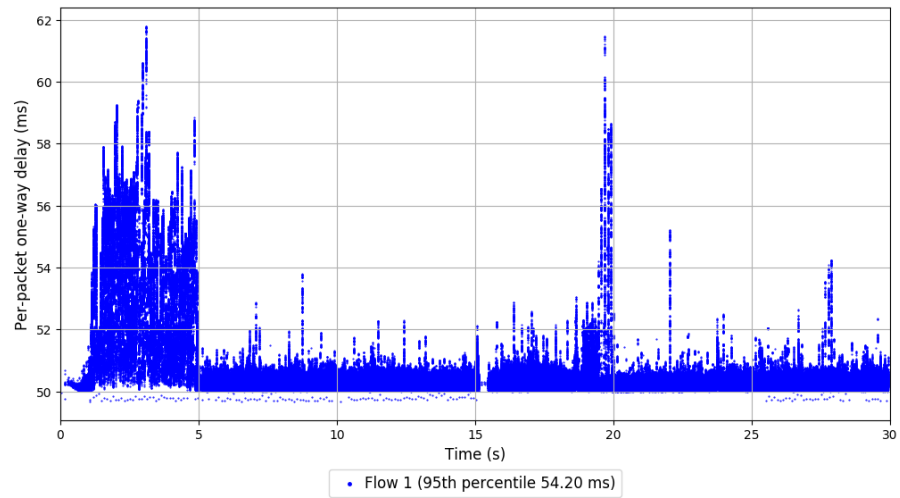
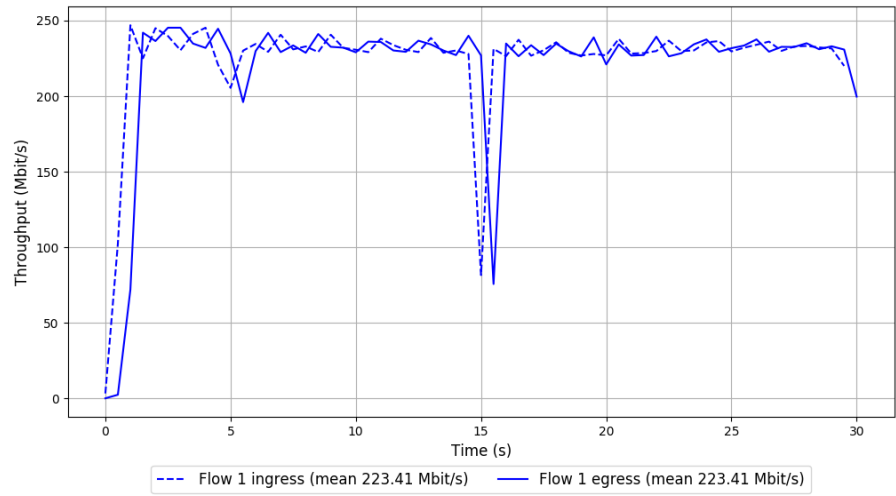
-- Flow 1:

Average throughput: 223.41 Mbit/s

95th percentile per-packet one-way delay: 54.199 ms

Loss rate: 0.33%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-03 19:23:22

End at: 2018-08-03 19:23:52

Local clock offset: 0.034 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-08-03 22:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.77 Mbit/s

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

Loss rate: 0.35%

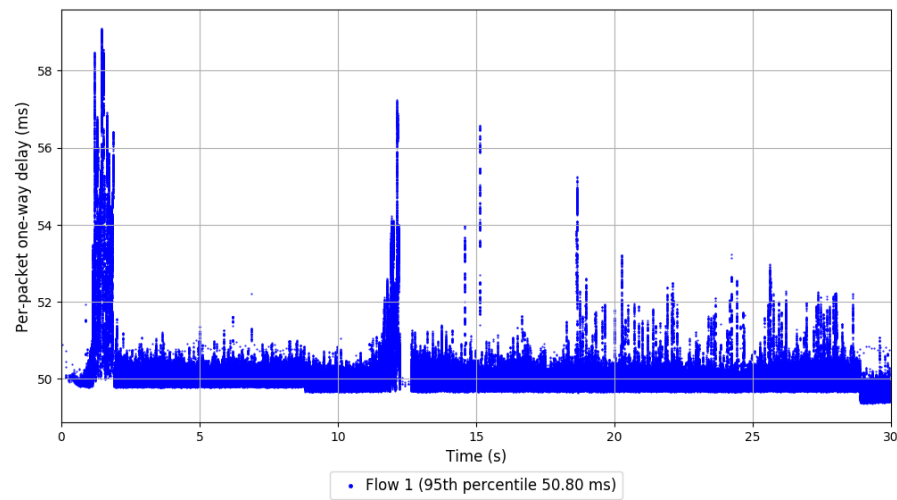
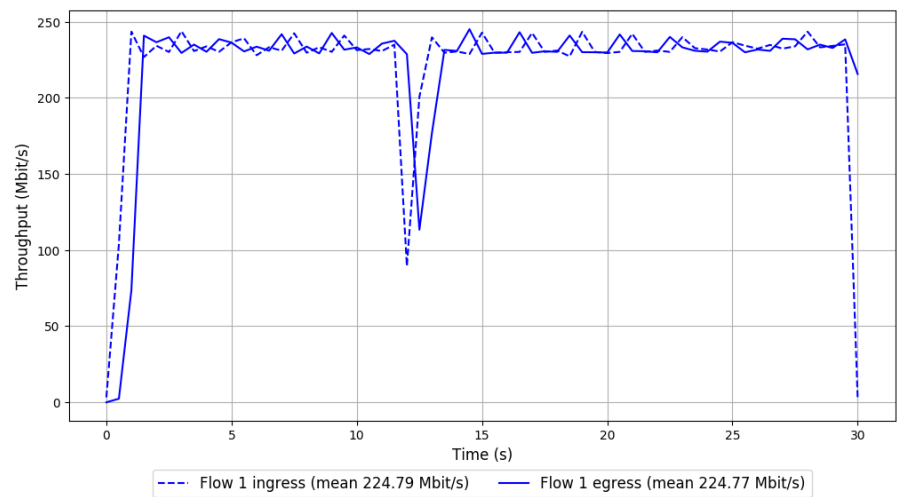
-- Flow 1:

Average throughput: 224.77 Mbit/s

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

Loss rate: 0.35%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-03 19:45:25

End at: 2018-08-03 19:45:55

Local clock offset: 0.136 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-03 22:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.52 Mbit/s

95th percentile per-packet one-way delay: 56.997 ms

Loss rate: 0.34%

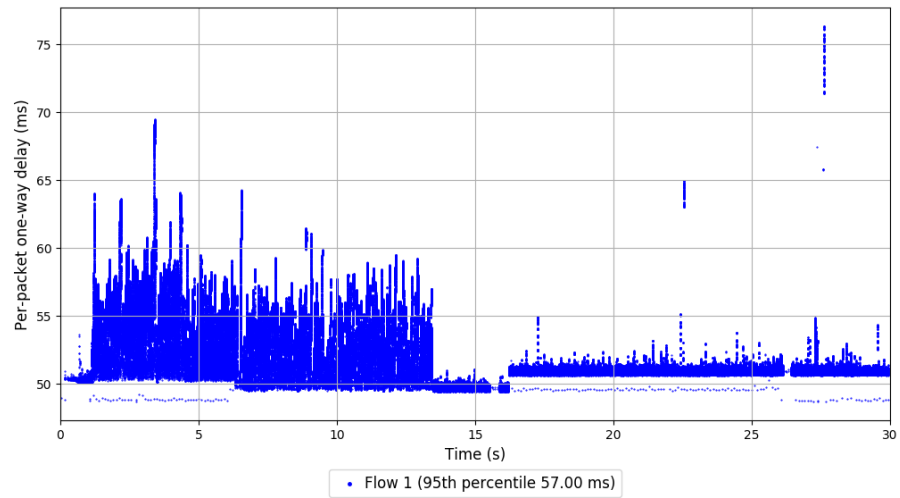
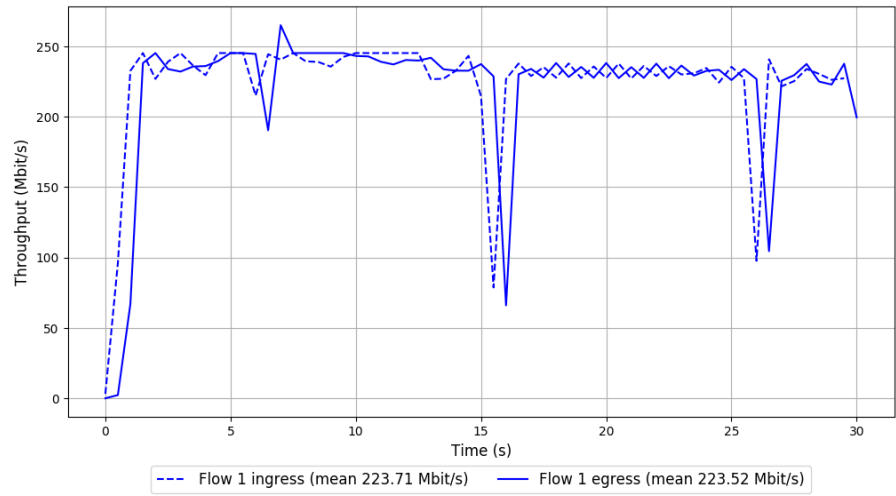
-- Flow 1:

Average throughput: 223.52 Mbit/s

95th percentile per-packet one-way delay: 56.997 ms

Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-03 20:07:12

End at: 2018-08-03 20:07:42

Local clock offset: -0.21 ms

Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-03 22:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.27 Mbit/s

95th percentile per-packet one-way delay: 51.172 ms

Loss rate: 0.36%

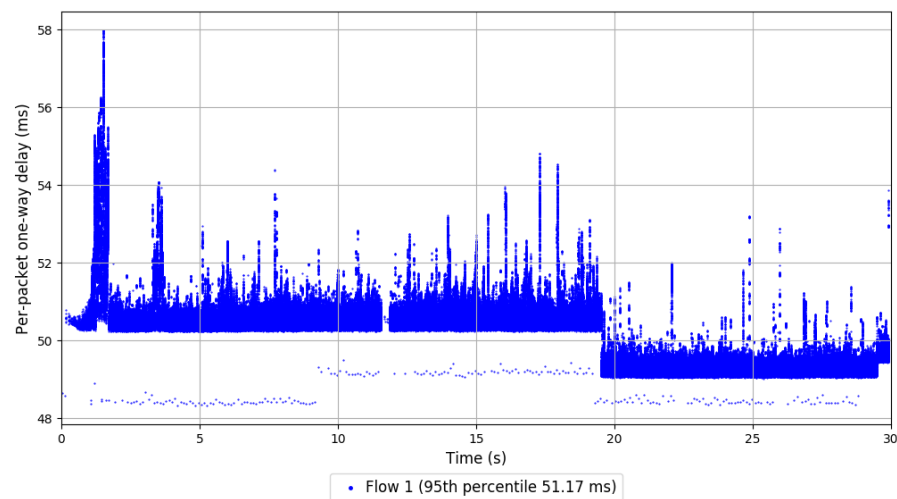
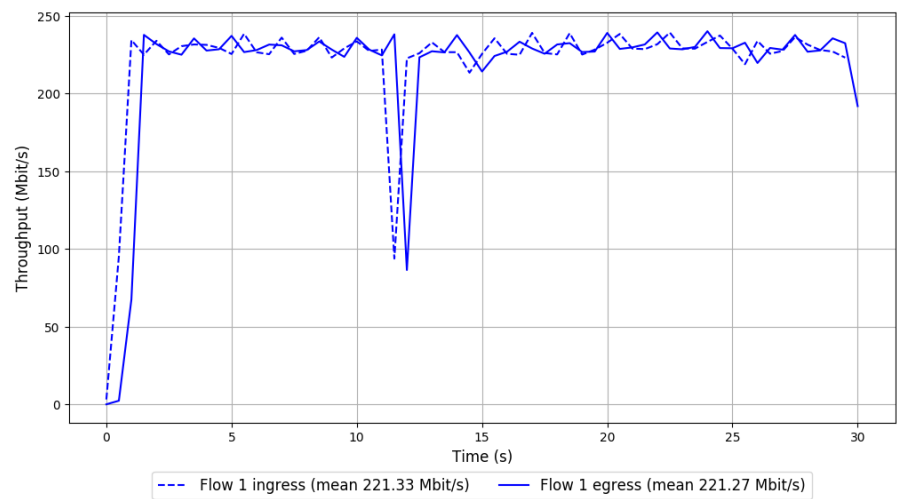
-- Flow 1:

Average throughput: 221.27 Mbit/s

95th percentile per-packet one-way delay: 51.172 ms

Loss rate: 0.36%

Run 5: Report of TCP BBR — Data Link

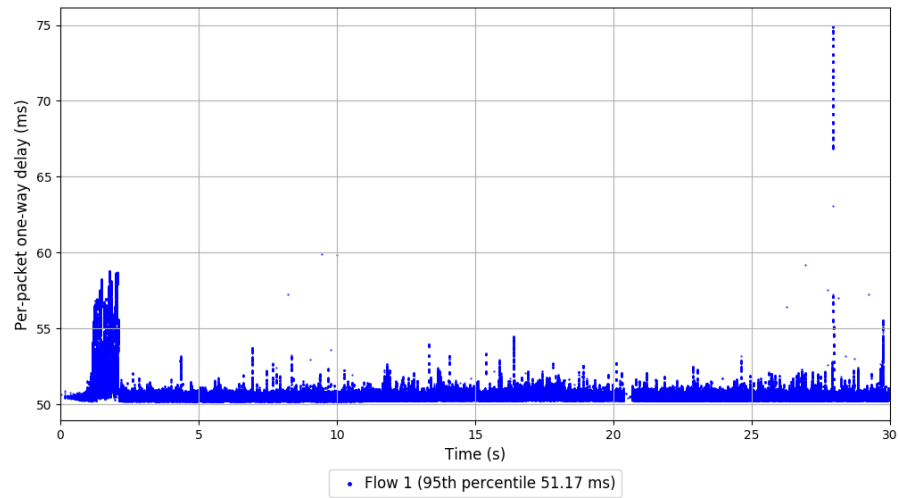
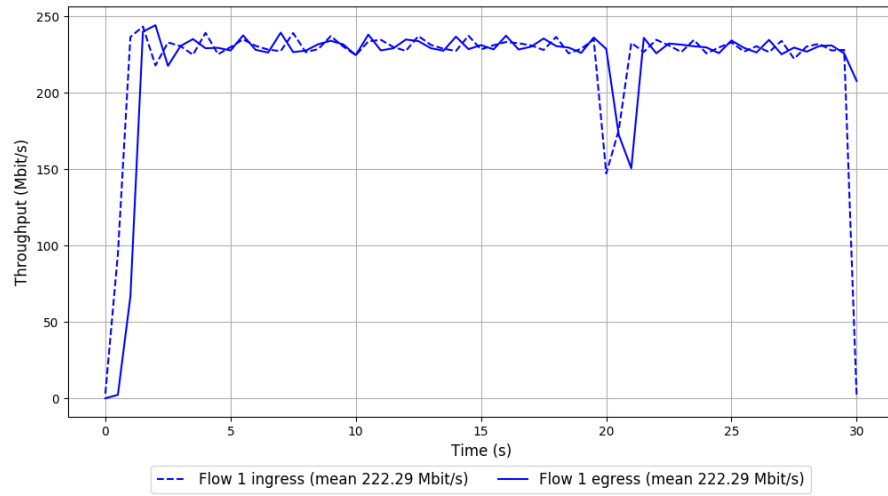


Run 6: Statistics of TCP BBR

Start at: 2018-08-03 20:29:10
End at: 2018-08-03 20:29:40
Local clock offset: -0.199 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-03 22:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.29 Mbit/s
95th percentile per-packet one-way delay: 51.169 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 222.29 Mbit/s
95th percentile per-packet one-way delay: 51.169 ms
Loss rate: 0.34%

Run 6: Report of TCP BBR — Data Link

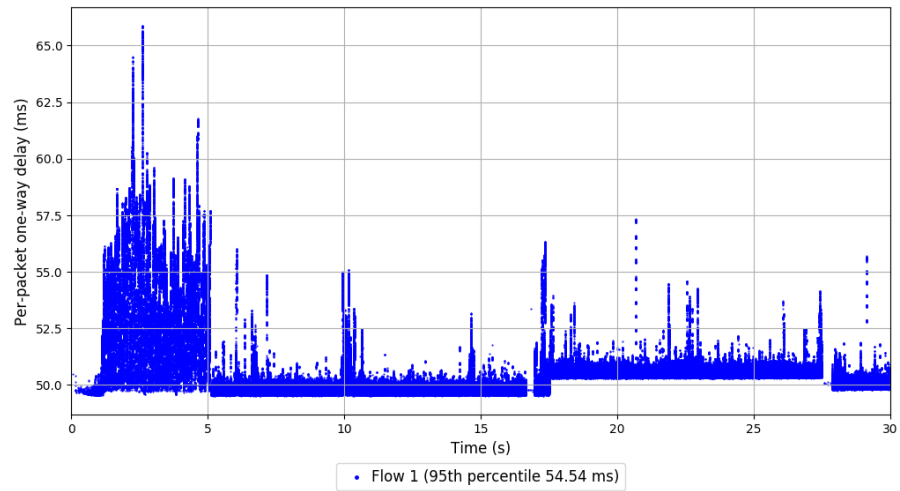
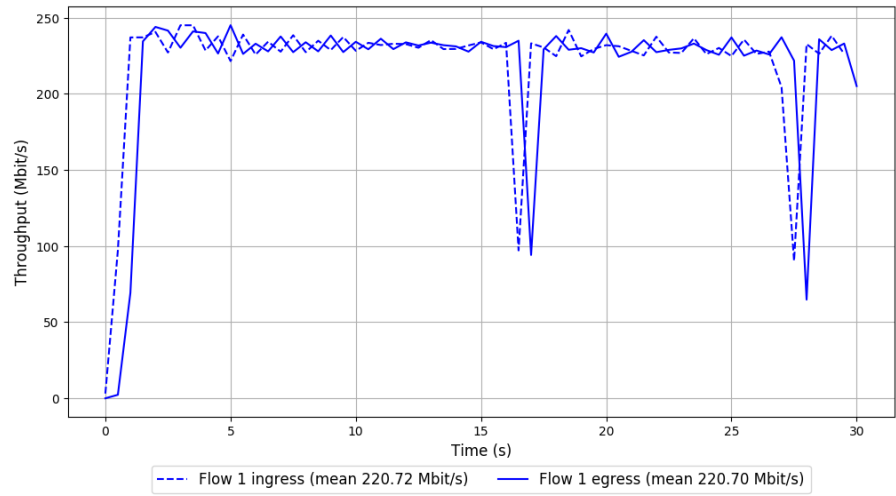


Run 7: Statistics of TCP BBR

Start at: 2018-08-03 20:51:14
End at: 2018-08-03 20:51:44
Local clock offset: -0.22 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-03 22:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.70 Mbit/s
95th percentile per-packet one-way delay: 54.539 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 220.70 Mbit/s
95th percentile per-packet one-way delay: 54.539 ms
Loss rate: 0.35%

Run 7: Report of TCP BBR — Data Link

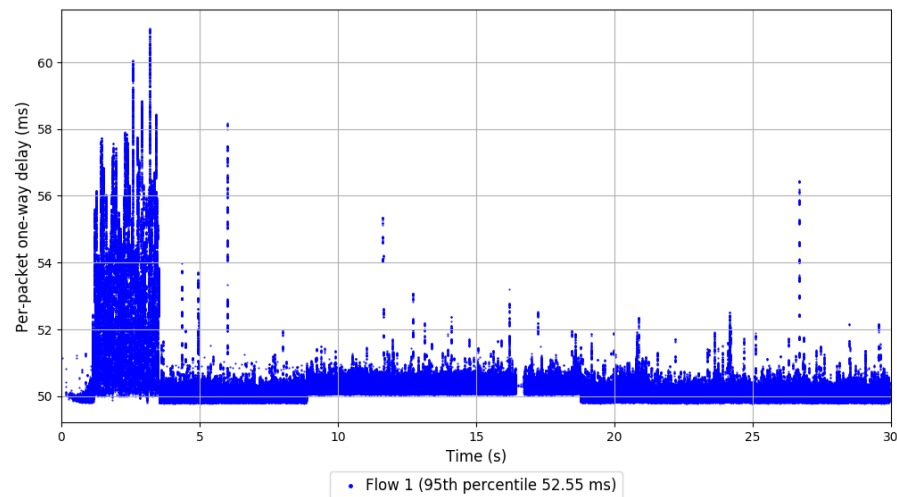
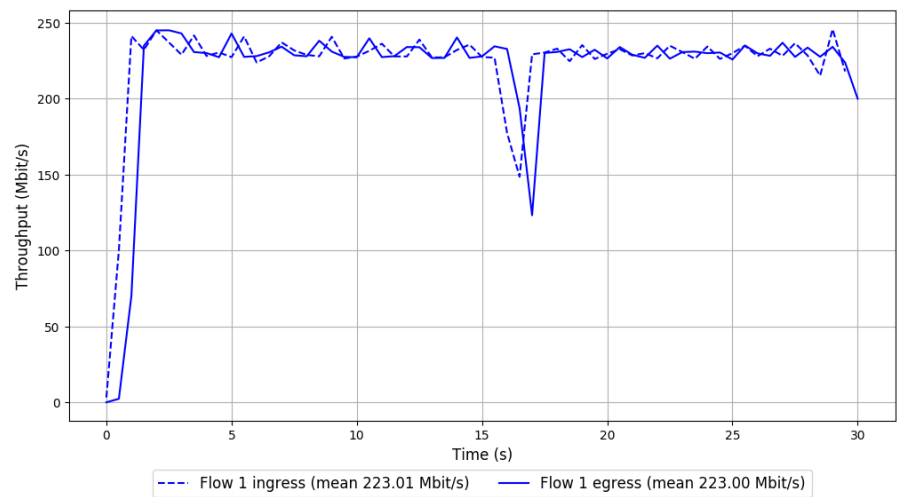


Run 8: Statistics of TCP BBR

Start at: 2018-08-03 21:13:12
End at: 2018-08-03 21:13:42
Local clock offset: 0.098 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-03 22:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.00 Mbit/s
95th percentile per-packet one-way delay: 52.546 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 223.00 Mbit/s
95th percentile per-packet one-way delay: 52.546 ms
Loss rate: 0.35%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-03 21:35:22

End at: 2018-08-03 21:35:52

Local clock offset: 0.146 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-03 22:31:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.10 Mbit/s

95th percentile per-packet one-way delay: 55.187 ms

Loss rate: 0.35%

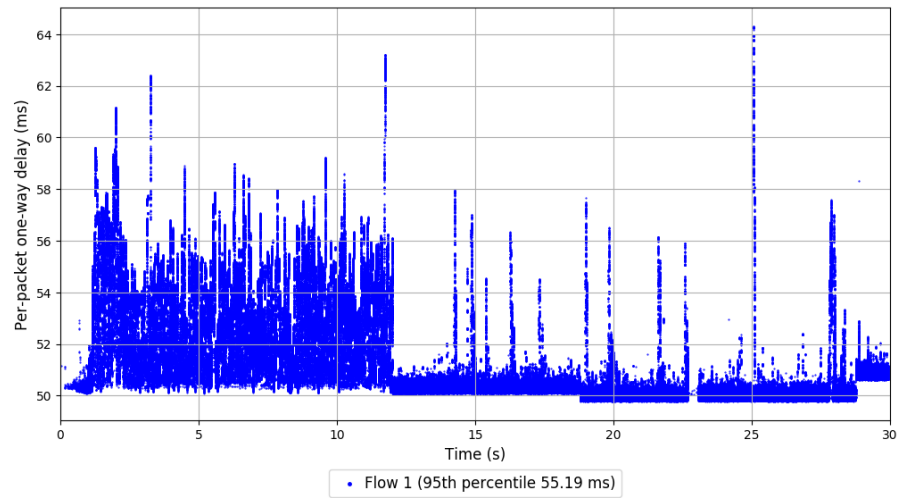
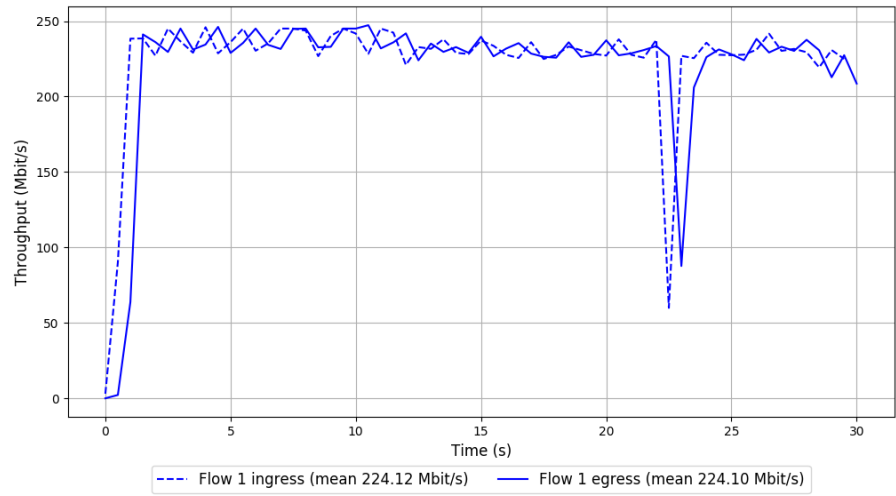
-- Flow 1:

Average throughput: 224.10 Mbit/s

95th percentile per-packet one-way delay: 55.187 ms

Loss rate: 0.35%

Run 9: Report of TCP BBR — Data Link

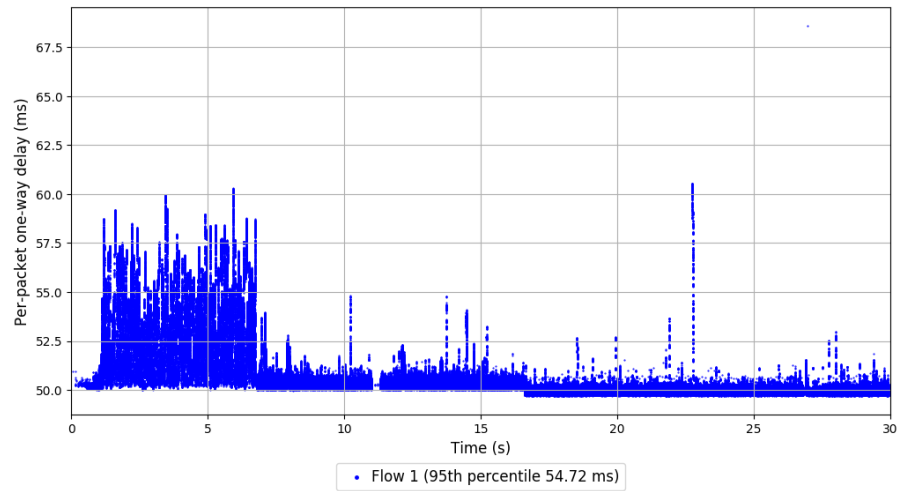
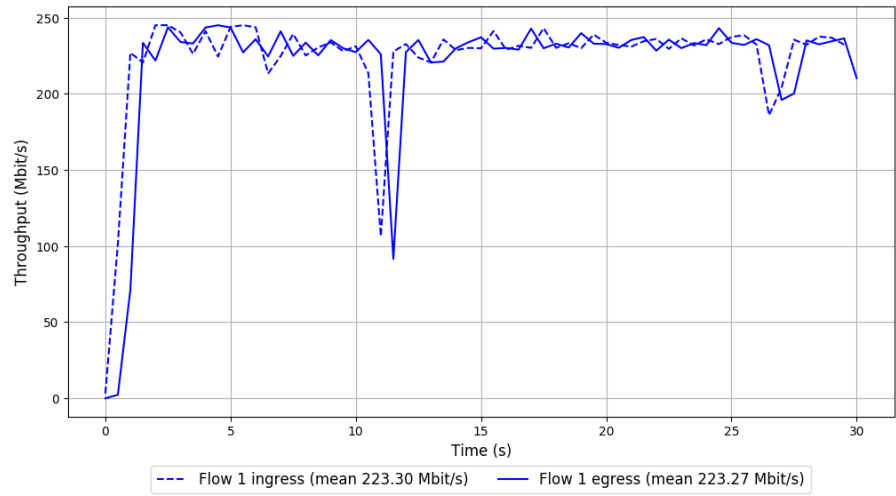


Run 10: Statistics of TCP BBR

Start at: 2018-08-03 21:57:25
End at: 2018-08-03 21:57:55
Local clock offset: 0.085 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-03 22:31:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.27 Mbit/s
95th percentile per-packet one-way delay: 54.720 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 223.27 Mbit/s
95th percentile per-packet one-way delay: 54.720 ms
Loss rate: 0.35%

Run 10: Report of TCP BBR — Data Link

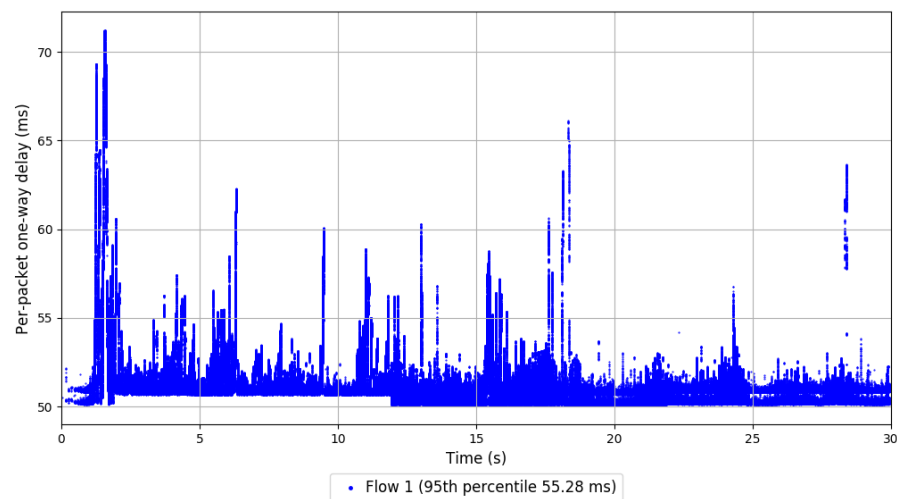
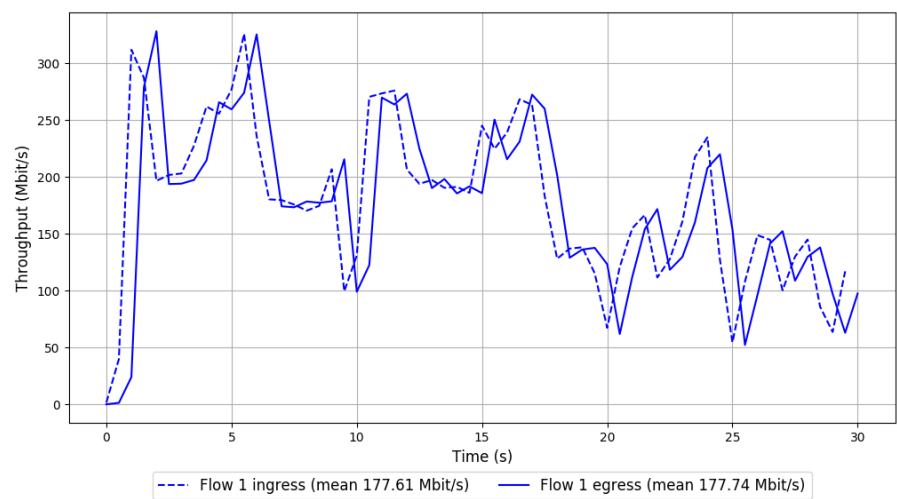


Run 1: Statistics of Copa

Start at: 2018-08-03 18:38:19
End at: 2018-08-03 18:38:49
Local clock offset: 0.016 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-03 22:33:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.74 Mbit/s
95th percentile per-packet one-way delay: 55.285 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 177.74 Mbit/s
95th percentile per-packet one-way delay: 55.285 ms
Loss rate: 0.26%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-03 19:00:04

End at: 2018-08-03 19:00:34

Local clock offset: 0.394 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-08-03 22:34:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.83 Mbit/s

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

Loss rate: 0.56%

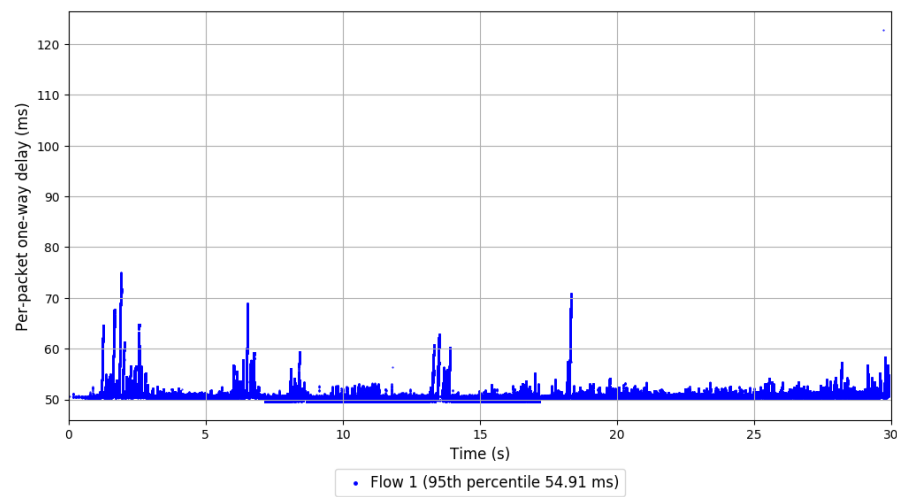
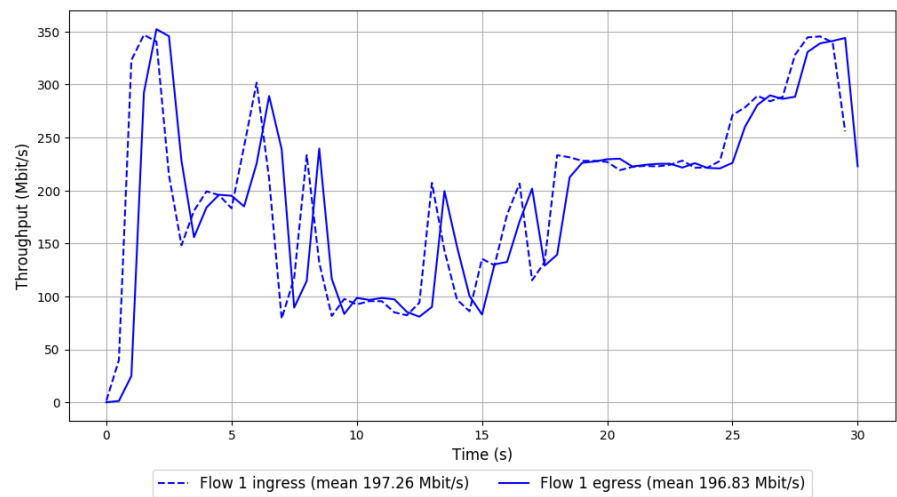
-- Flow 1:

Average throughput: 196.83 Mbit/s

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

Loss rate: 0.56%

Run 2: Report of Copa — Data Link

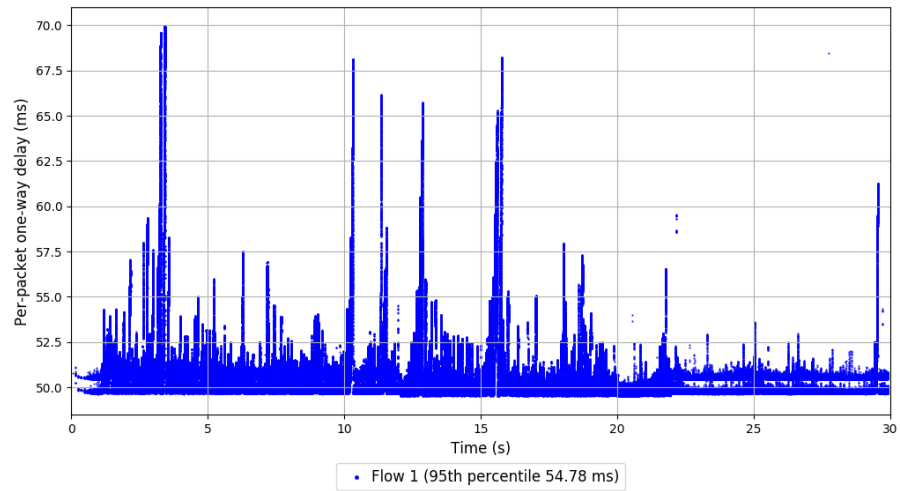
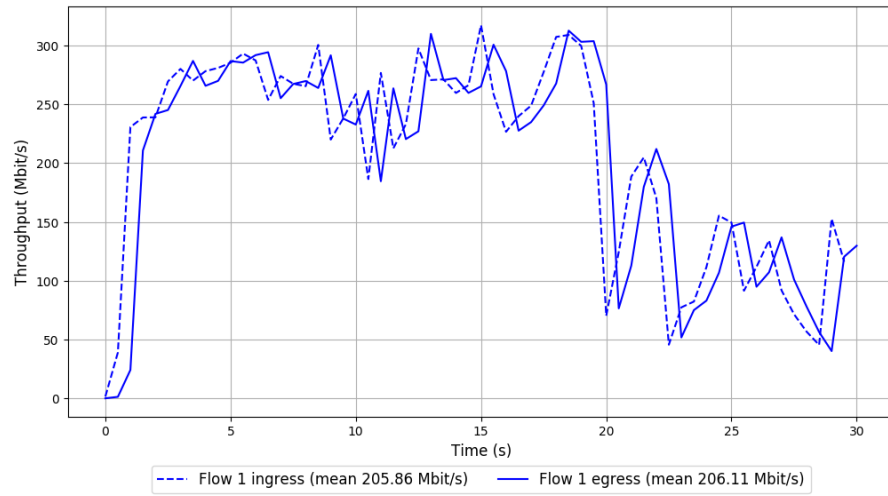


Run 3: Statistics of Copa

Start at: 2018-08-03 19:21:59
End at: 2018-08-03 19:22:29
Local clock offset: 0.021 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-03 22:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.11 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 206.11 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 0.21%

Run 3: Report of Copa — Data Link

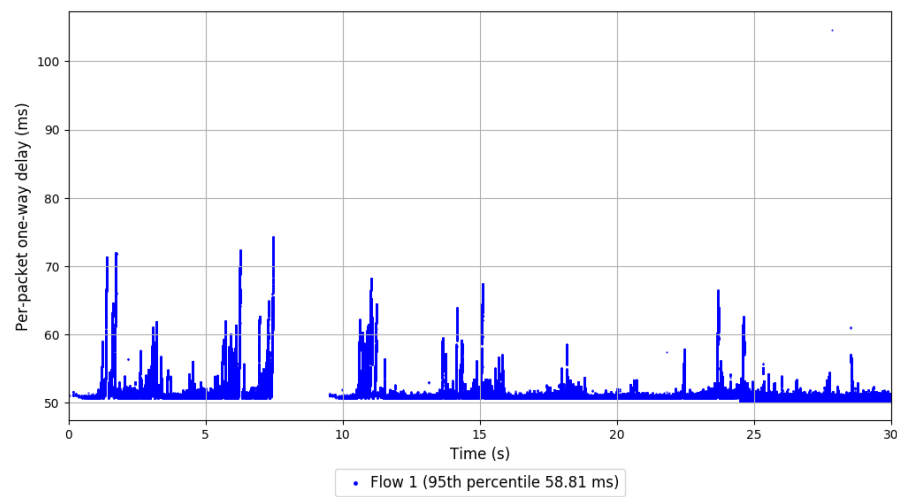
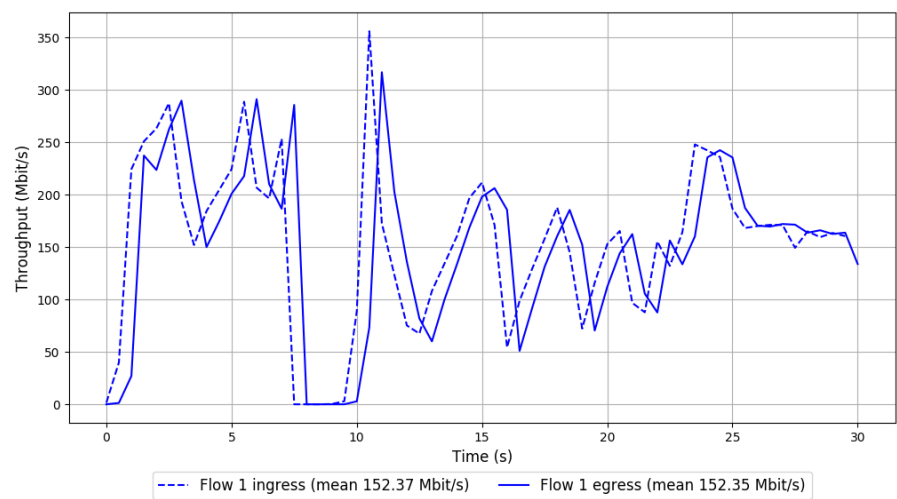


Run 4: Statistics of Copa

Start at: 2018-08-03 19:44:07
End at: 2018-08-03 19:44:37
Local clock offset: 0.171 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-03 22:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.35 Mbit/s
95th percentile per-packet one-way delay: 58.808 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 152.35 Mbit/s
95th percentile per-packet one-way delay: 58.808 ms
Loss rate: 0.35%

Run 4: Report of Copa — Data Link

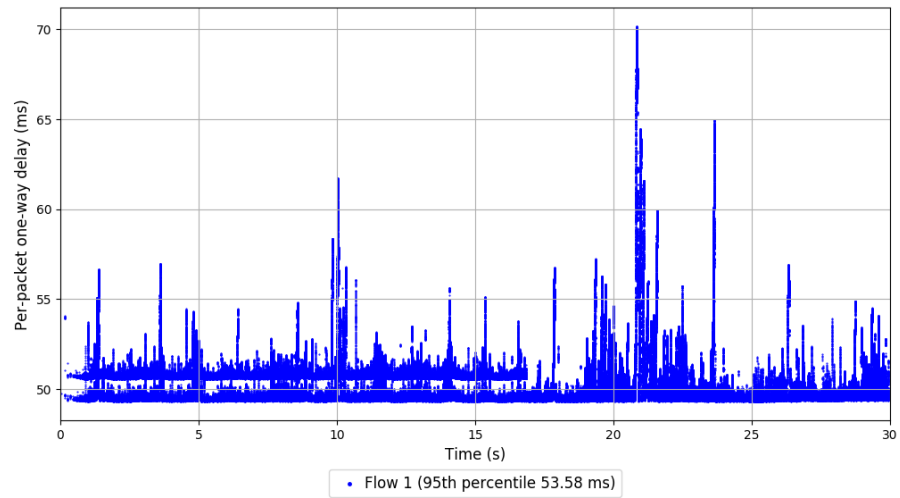
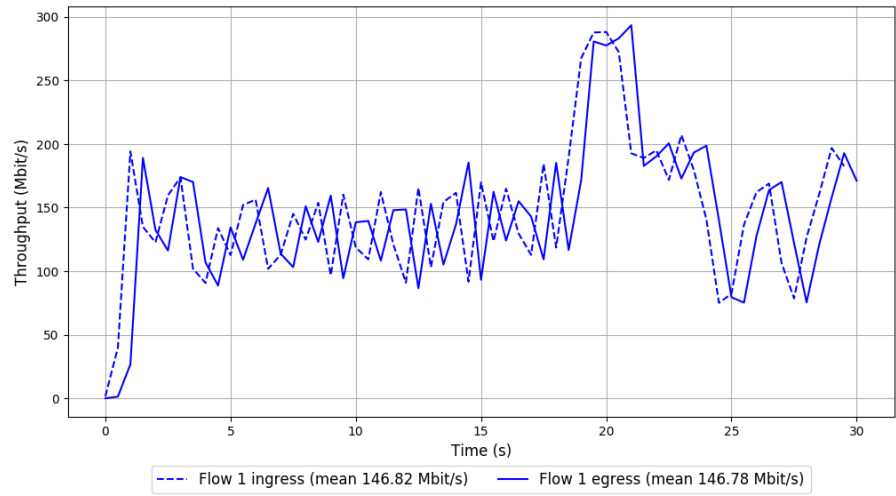


Run 5: Statistics of Copa

Start at: 2018-08-03 20:05:54
End at: 2018-08-03 20:06:24
Local clock offset: 0.118 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-03 22:34:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.78 Mbit/s
95th percentile per-packet one-way delay: 53.576 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 146.78 Mbit/s
95th percentile per-packet one-way delay: 53.576 ms
Loss rate: 0.36%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-03 20:27:50

End at: 2018-08-03 20:28:20

Local clock offset: 0.213 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-03 22:34:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.20 Mbit/s

95th percentile per-packet one-way delay: 58.888 ms

Loss rate: 0.11%

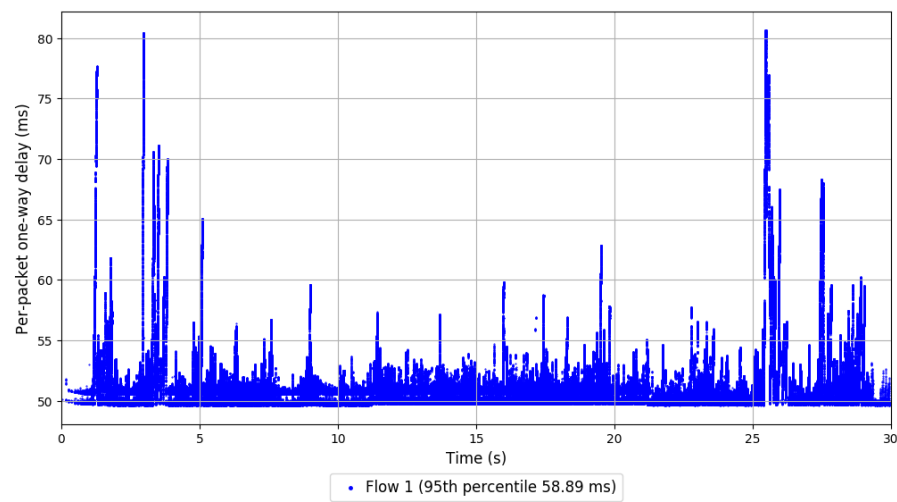
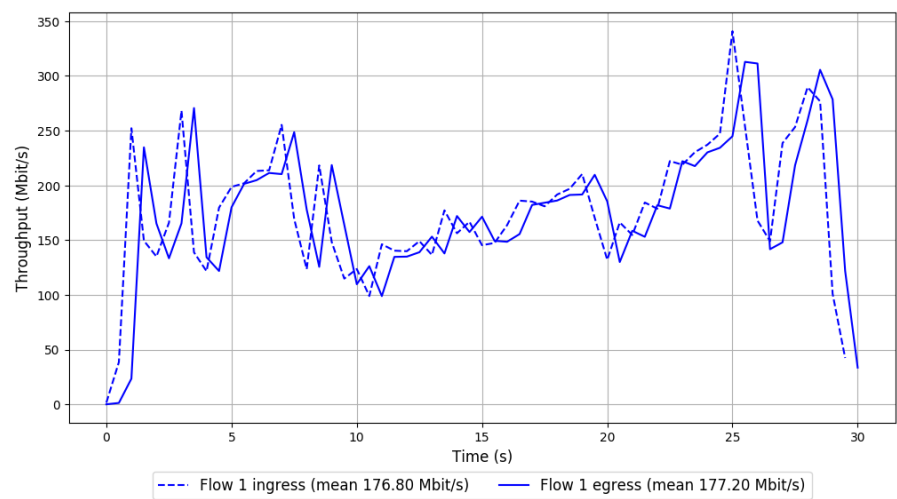
-- Flow 1:

Average throughput: 177.20 Mbit/s

95th percentile per-packet one-way delay: 58.888 ms

Loss rate: 0.11%

Run 6: Report of Copa — Data Link

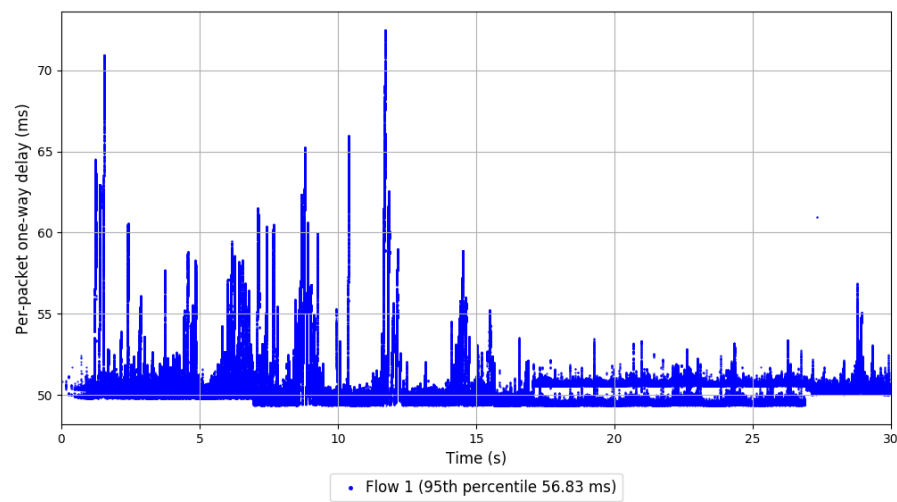
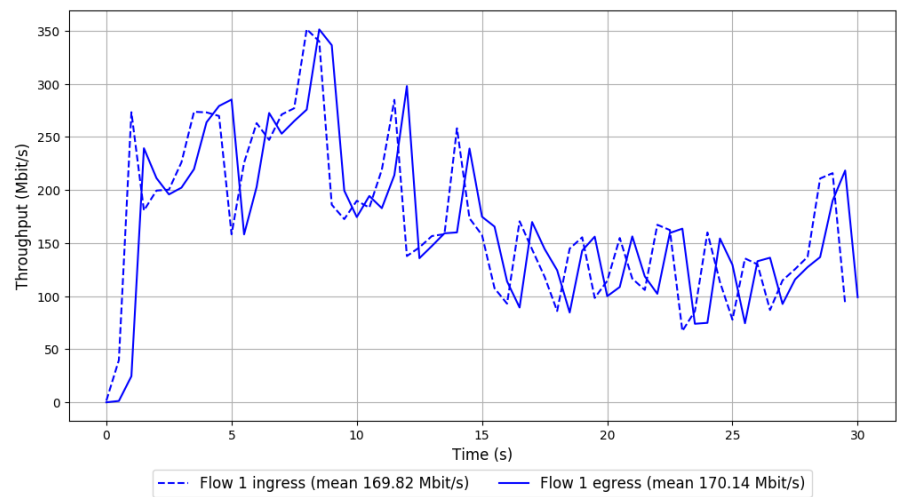


Run 7: Statistics of Copa

Start at: 2018-08-03 20:49:54
End at: 2018-08-03 20:50:24
Local clock offset: 0.116 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-03 22:37:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.14 Mbit/s
95th percentile per-packet one-way delay: 56.831 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 170.14 Mbit/s
95th percentile per-packet one-way delay: 56.831 ms
Loss rate: 0.15%

Run 7: Report of Copa — Data Link

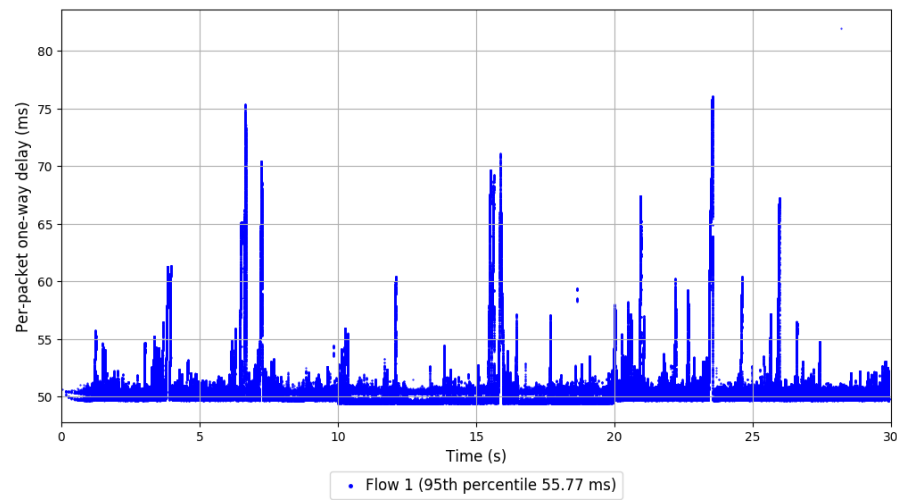
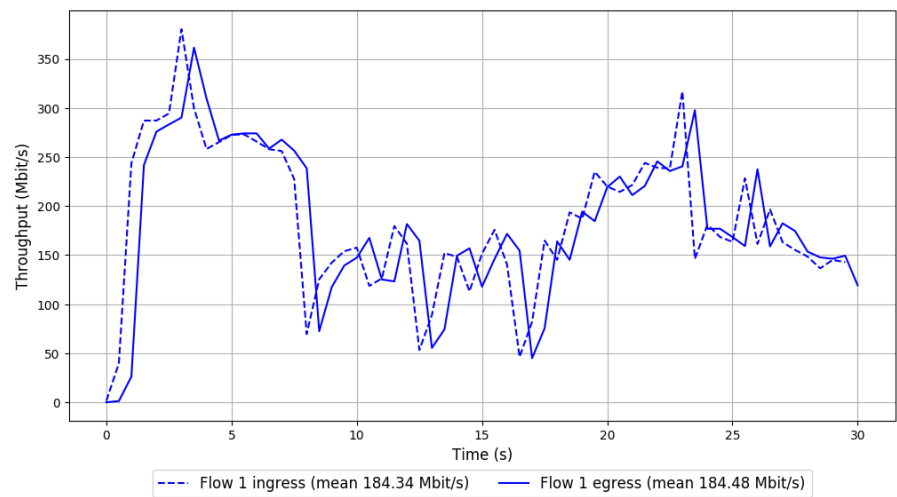


Run 8: Statistics of Copa

Start at: 2018-08-03 21:11:51
End at: 2018-08-03 21:12:21
Local clock offset: -0.26 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-03 22:38:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.48 Mbit/s
95th percentile per-packet one-way delay: 55.766 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 184.48 Mbit/s
95th percentile per-packet one-way delay: 55.766 ms
Loss rate: 0.27%

Run 8: Report of Copa — Data Link

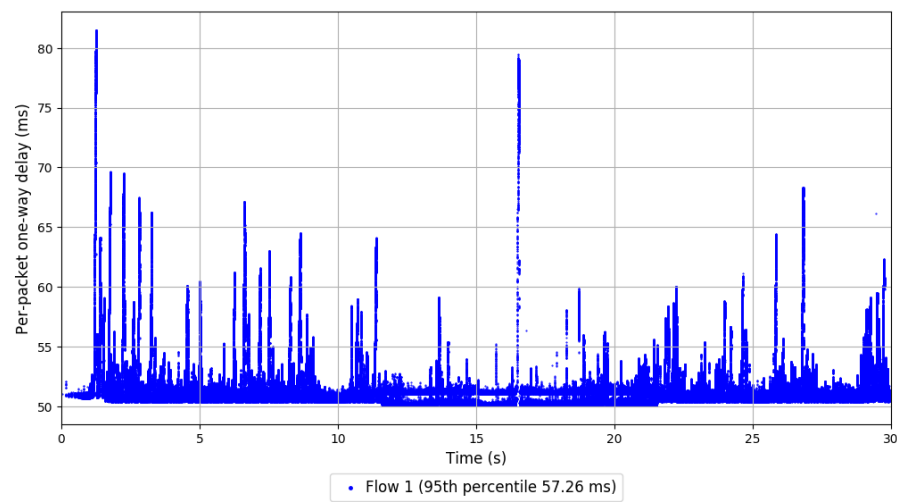
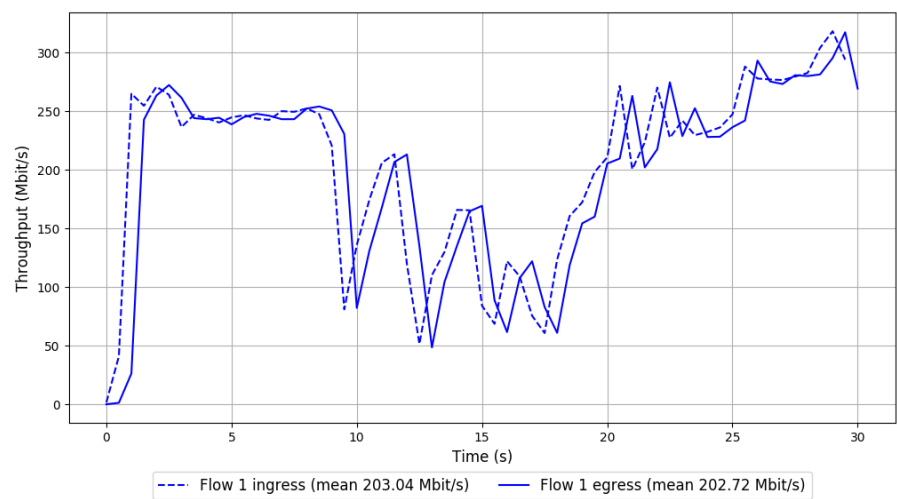


Run 9: Statistics of Copa

Start at: 2018-08-03 21:34:00
End at: 2018-08-03 21:34:30
Local clock offset: 0.505 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-08-03 22:40:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.72 Mbit/s
95th percentile per-packet one-way delay: 57.262 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 202.72 Mbit/s
95th percentile per-packet one-way delay: 57.262 ms
Loss rate: 0.49%

Run 9: Report of Copa — Data Link

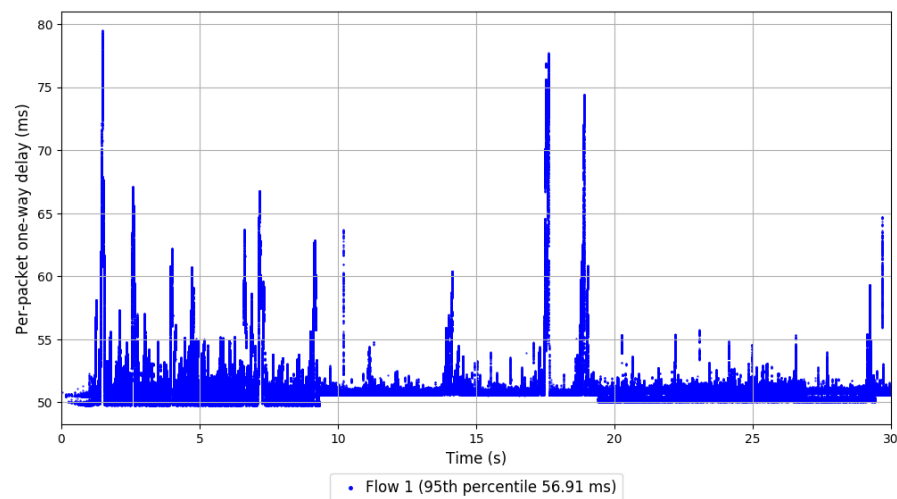
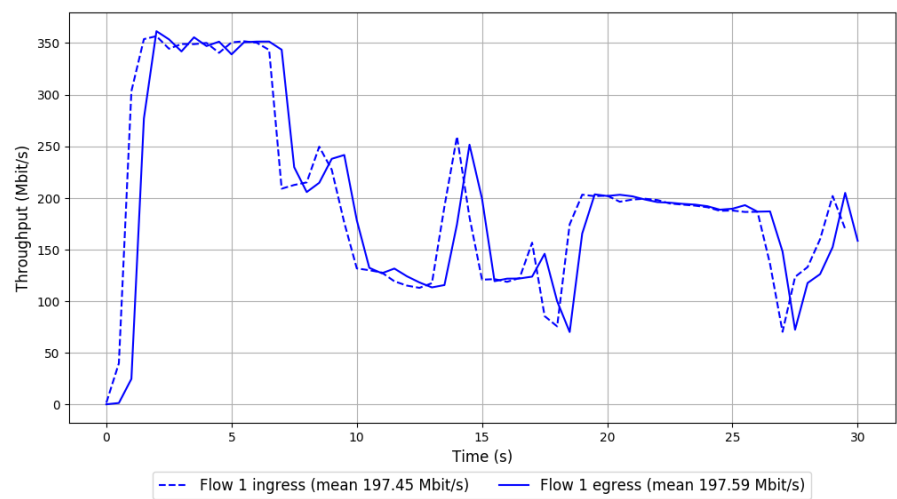


Run 10: Statistics of Copa

Start at: 2018-08-03 21:56:02
End at: 2018-08-03 21:56:32
Local clock offset: 0.102 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-03 22:40:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.59 Mbit/s
95th percentile per-packet one-way delay: 56.908 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 197.59 Mbit/s
95th percentile per-packet one-way delay: 56.908 ms
Loss rate: 0.27%

Run 10: Report of Copa — Data Link

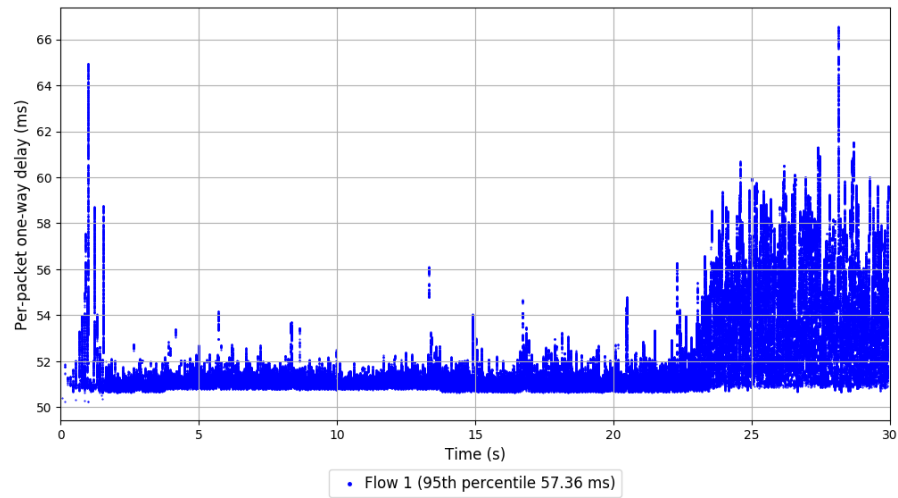
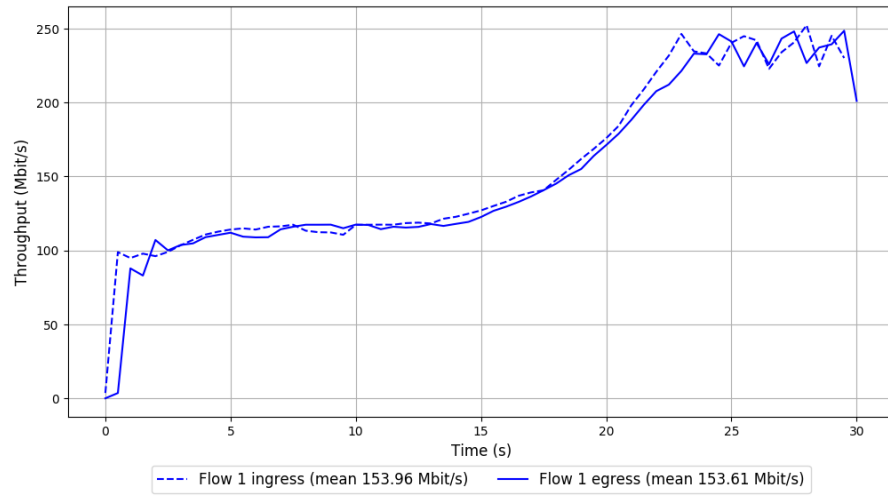


Run 1: Statistics of TCP Cubic

Start at: 2018-08-03 18:31:47
End at: 2018-08-03 18:32:17
Local clock offset: 0.025 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-03 22:40:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.61 Mbit/s
95th percentile per-packet one-way delay: 57.356 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 153.61 Mbit/s
95th percentile per-packet one-way delay: 57.356 ms
Loss rate: 0.55%

Run 1: Report of TCP Cubic — Data Link

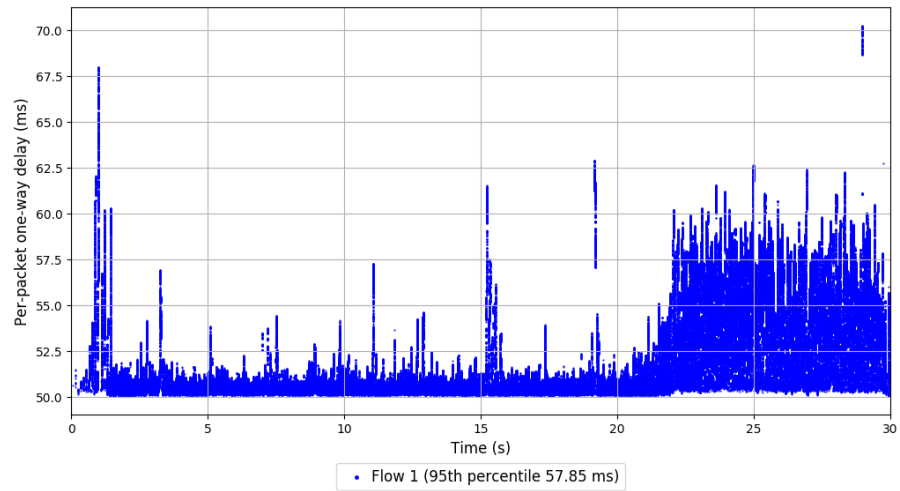
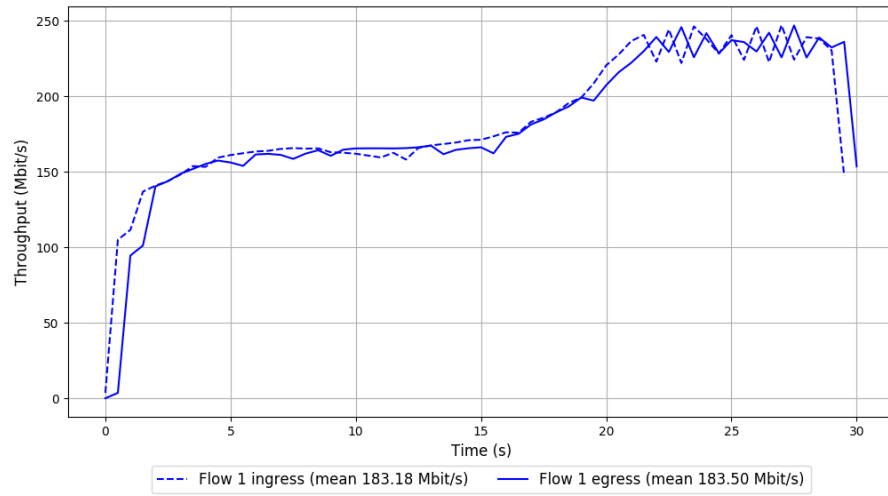


Run 2: Statistics of TCP Cubic

Start at: 2018-08-03 18:53:28
End at: 2018-08-03 18:53:58
Local clock offset: -0.001 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-03 22:40:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.50 Mbit/s
95th percentile per-packet one-way delay: 57.855 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 183.50 Mbit/s
95th percentile per-packet one-way delay: 57.855 ms
Loss rate: 0.16%

Run 2: Report of TCP Cubic — Data Link

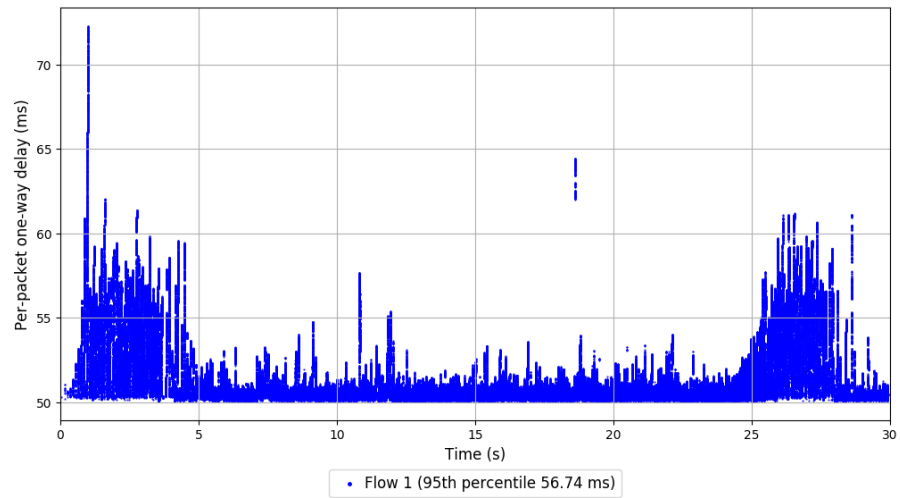
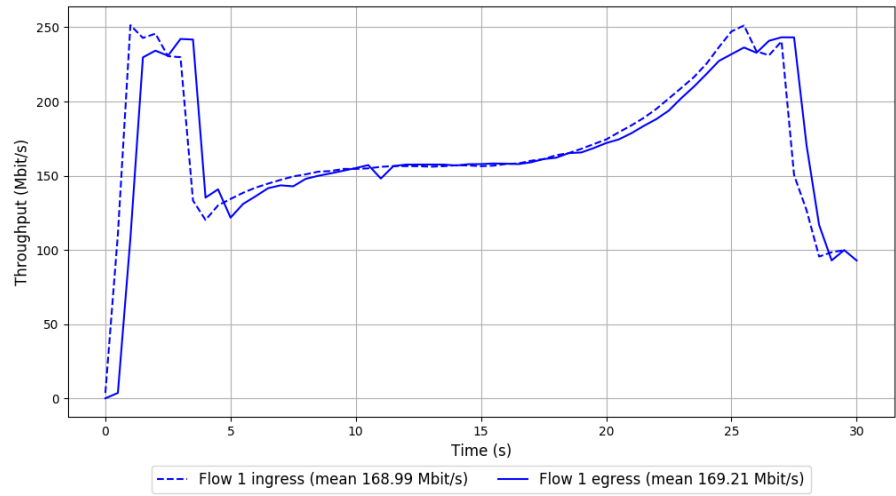


Run 3: Statistics of TCP Cubic

Start at: 2018-08-03 19:15:29
End at: 2018-08-03 19:15:59
Local clock offset: 0.035 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-08-03 22:40:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.21 Mbit/s
95th percentile per-packet one-way delay: 56.736 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 169.21 Mbit/s
95th percentile per-packet one-way delay: 56.736 ms
Loss rate: 0.20%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-03 19:37:35

End at: 2018-08-03 19:38:05

Local clock offset: 0.461 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-03 22:40:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.69 Mbit/s

95th percentile per-packet one-way delay: 57.378 ms

Loss rate: 0.28%

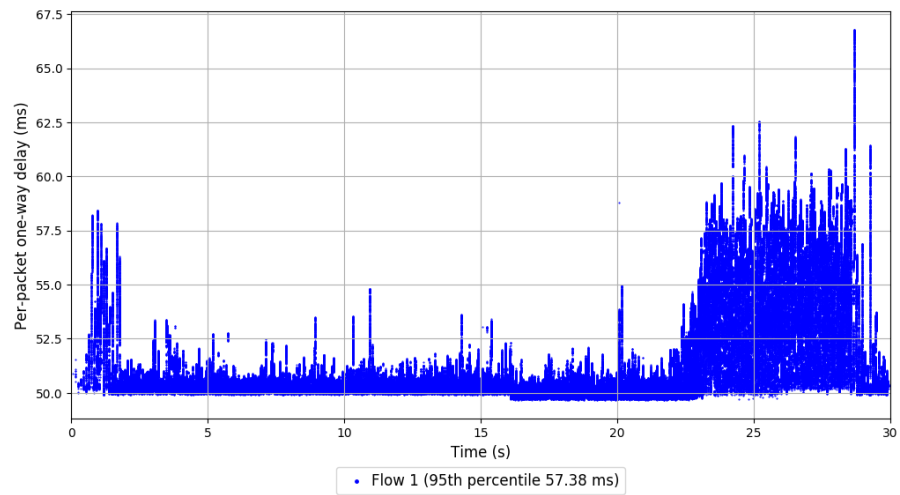
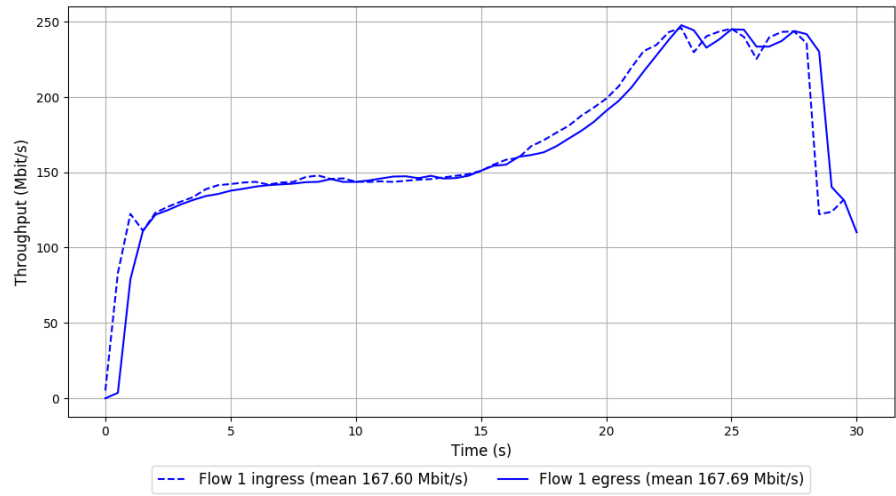
-- Flow 1:

Average throughput: 167.69 Mbit/s

95th percentile per-packet one-way delay: 57.378 ms

Loss rate: 0.28%

Run 4: Report of TCP Cubic — Data Link

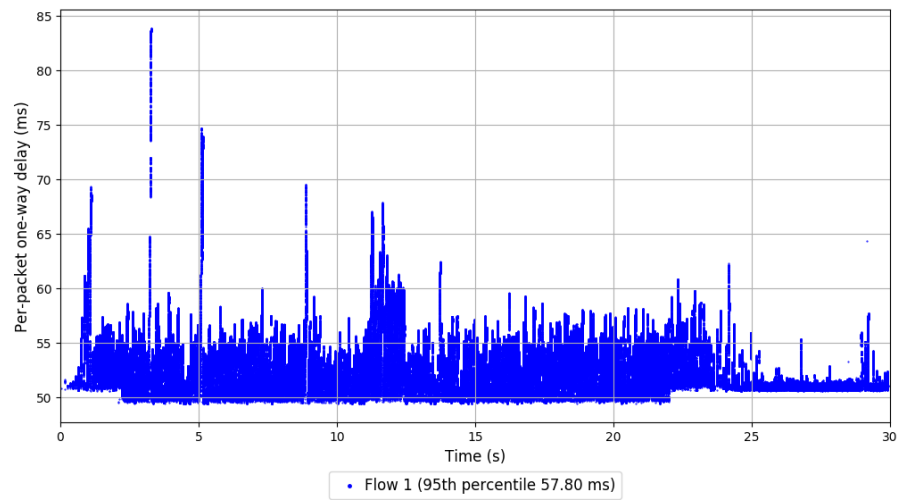
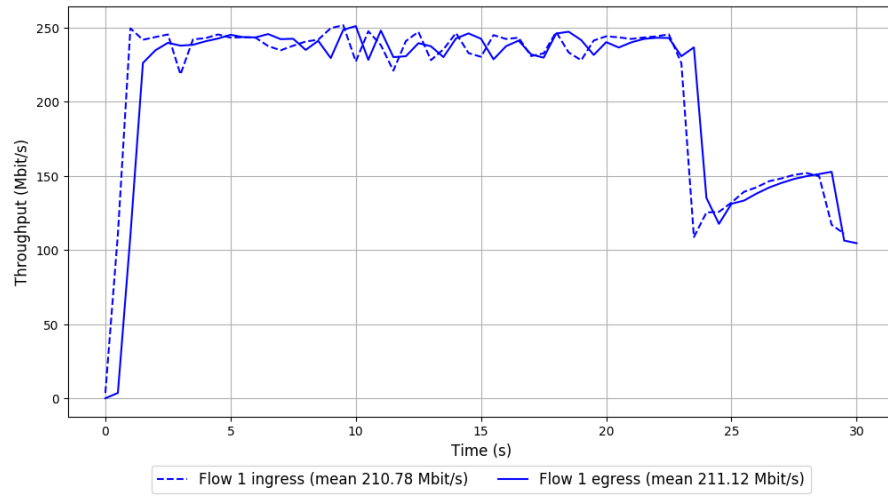


Run 5: Statistics of TCP Cubic

Start at: 2018-08-03 19:59:29
End at: 2018-08-03 19:59:59
Local clock offset: 0.193 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-03 22:41:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 57.802 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 57.802 ms
Loss rate: 0.18%

Run 5: Report of TCP Cubic — Data Link

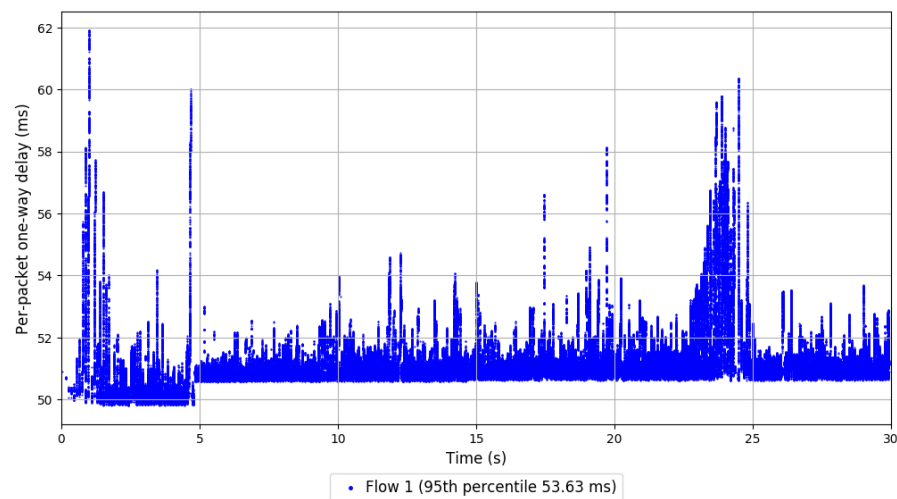
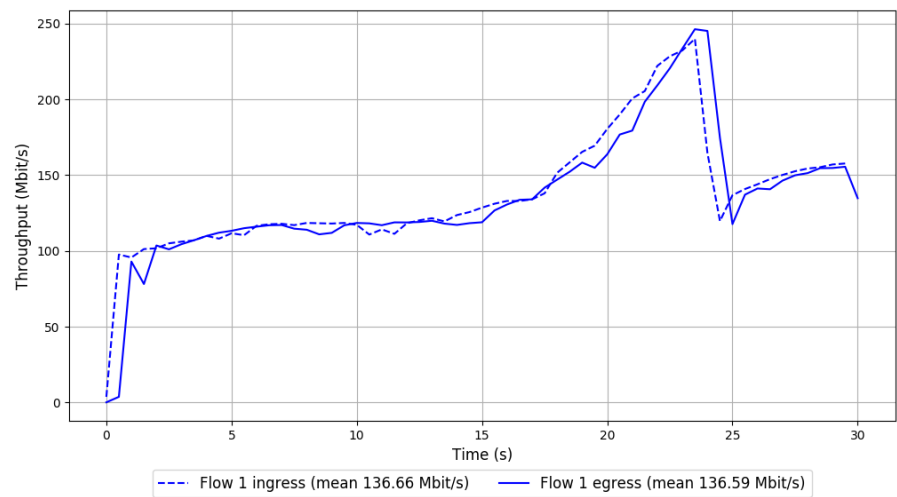


Run 6: Statistics of TCP Cubic

Start at: 2018-08-03 20:21:16
End at: 2018-08-03 20:21:46
Local clock offset: 0.157 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-03 22:41:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.59 Mbit/s
95th percentile per-packet one-way delay: 53.631 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 136.59 Mbit/s
95th percentile per-packet one-way delay: 53.631 ms
Loss rate: 0.39%

Run 6: Report of TCP Cubic — Data Link

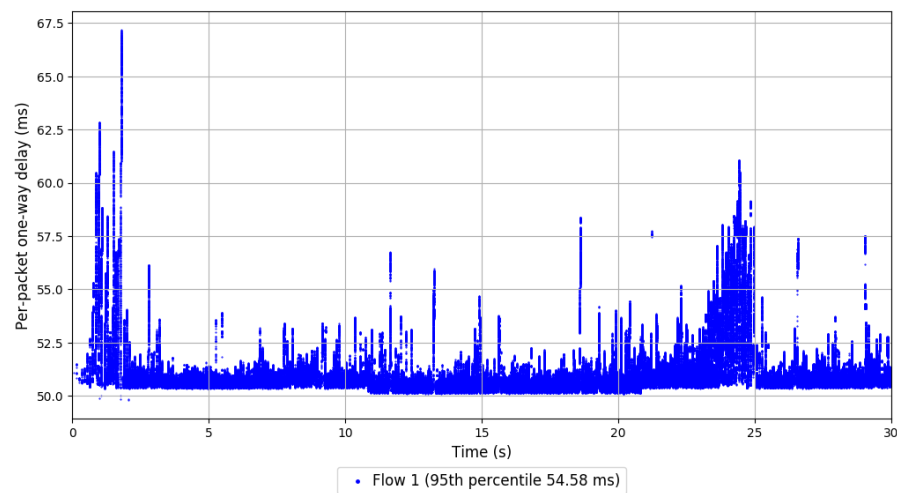
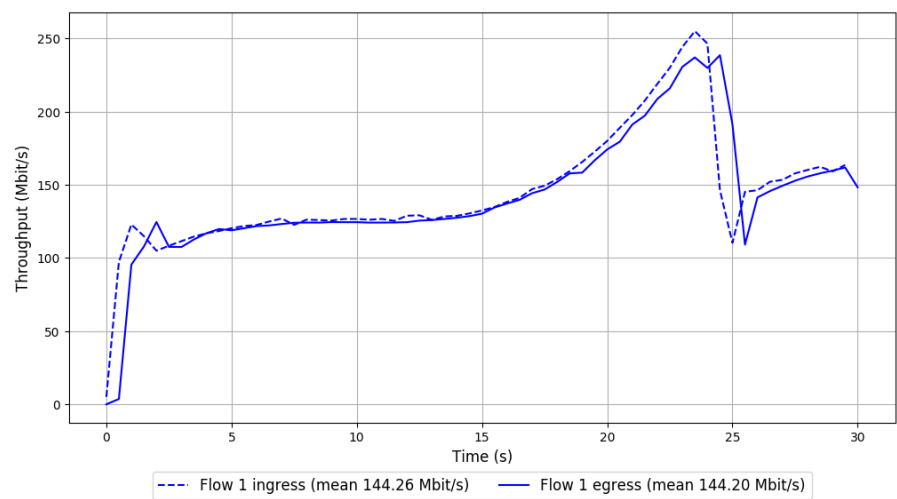


Run 7: Statistics of TCP Cubic

Start at: 2018-08-03 20:43:20
End at: 2018-08-03 20:43:50
Local clock offset: 0.45 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 22:41:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.20 Mbit/s
95th percentile per-packet one-way delay: 54.580 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 144.20 Mbit/s
95th percentile per-packet one-way delay: 54.580 ms
Loss rate: 0.38%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-03 21:05:19

End at: 2018-08-03 21:05:50

Local clock offset: 0.467 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-03 22:41:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.10 Mbit/s

95th percentile per-packet one-way delay: 57.937 ms

Loss rate: 0.20%

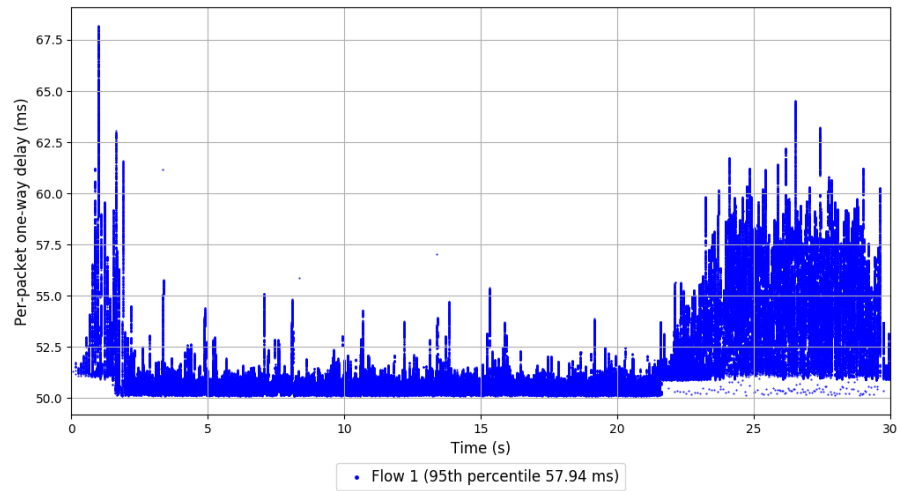
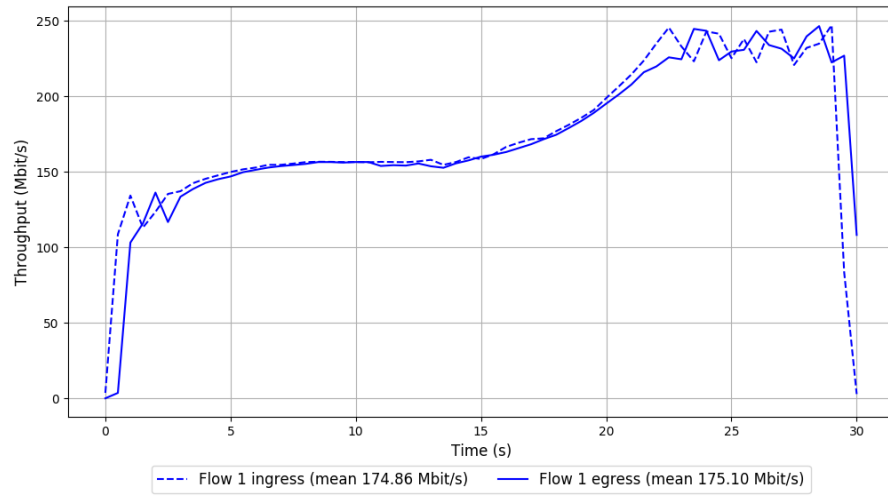
-- Flow 1:

Average throughput: 175.10 Mbit/s

95th percentile per-packet one-way delay: 57.937 ms

Loss rate: 0.20%

Run 8: Report of TCP Cubic — Data Link

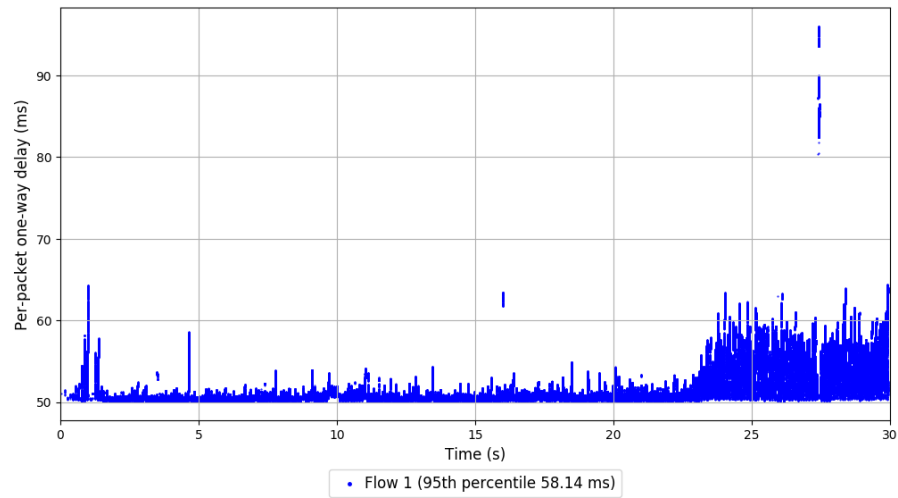
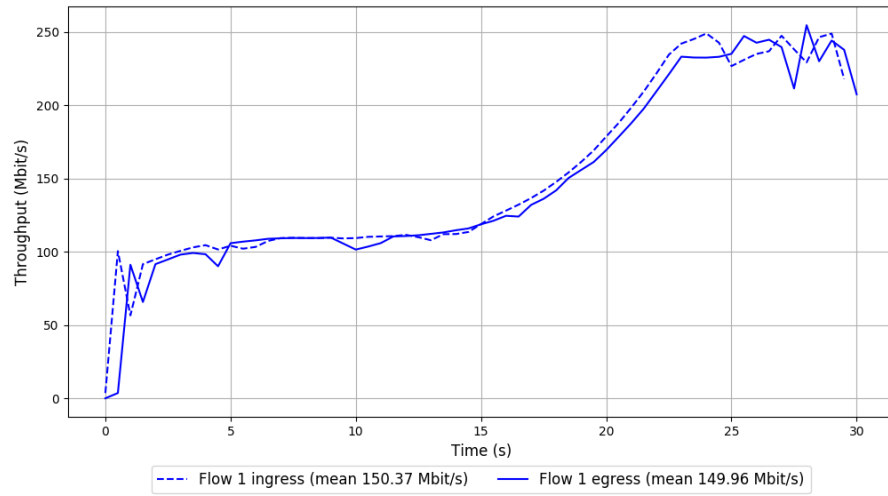


Run 9: Statistics of TCP Cubic

Start at: 2018-08-03 21:27:21
End at: 2018-08-03 21:27:51
Local clock offset: 0.148 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-03 22:41:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.96 Mbit/s
95th percentile per-packet one-way delay: 58.138 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 149.96 Mbit/s
95th percentile per-packet one-way delay: 58.138 ms
Loss rate: 0.52%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-03 21:49:26

End at: 2018-08-03 21:49:56

Local clock offset: 0.474 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-03 22:41:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.36 Mbit/s

95th percentile per-packet one-way delay: 58.288 ms

Loss rate: 0.21%

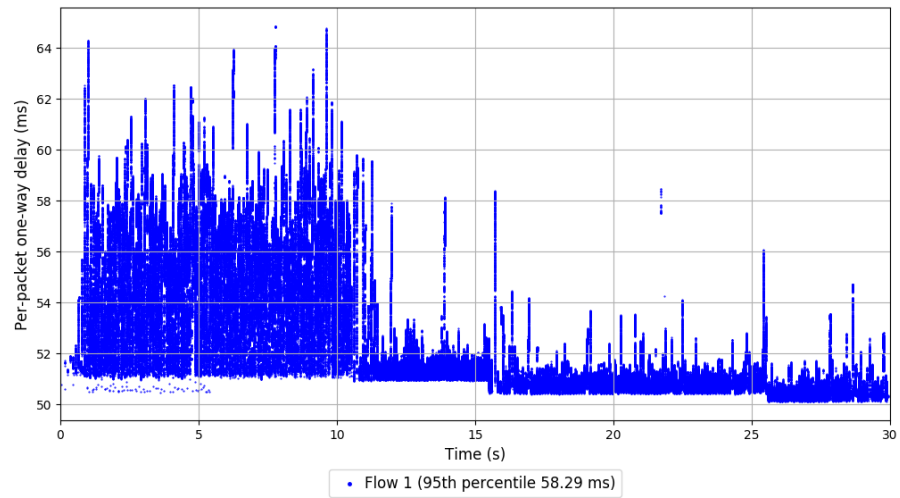
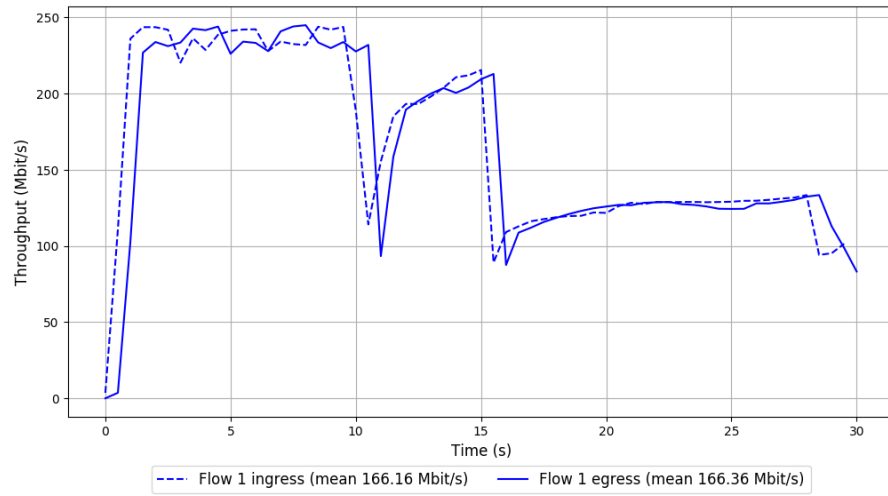
-- Flow 1:

Average throughput: 166.36 Mbit/s

95th percentile per-packet one-way delay: 58.288 ms

Loss rate: 0.21%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-03 18:43:28

End at: 2018-08-03 18:43:58

Local clock offset: 0.061 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-08-03 22:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 745.23 Mbit/s

95th percentile per-packet one-way delay: 200.057 ms

Loss rate: 3.09%

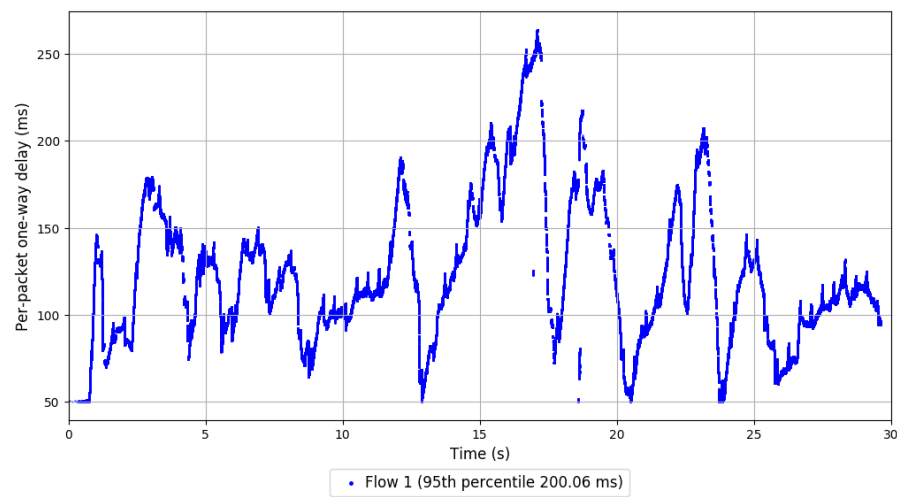
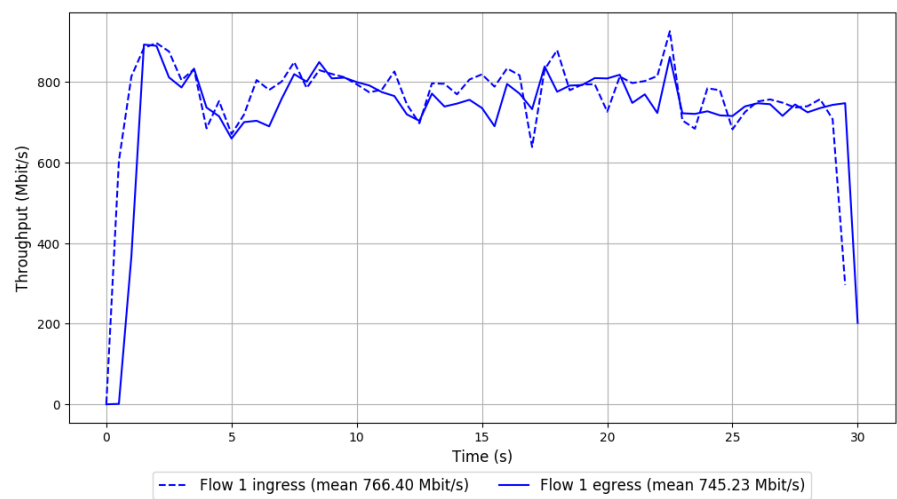
-- Flow 1:

Average throughput: 745.23 Mbit/s

95th percentile per-packet one-way delay: 200.057 ms

Loss rate: 3.09%

Run 1: Report of FillP — Data Link

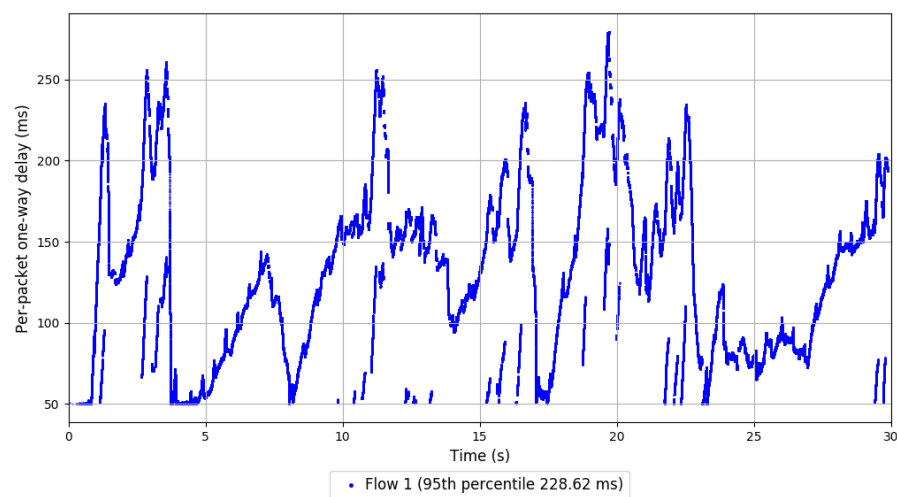
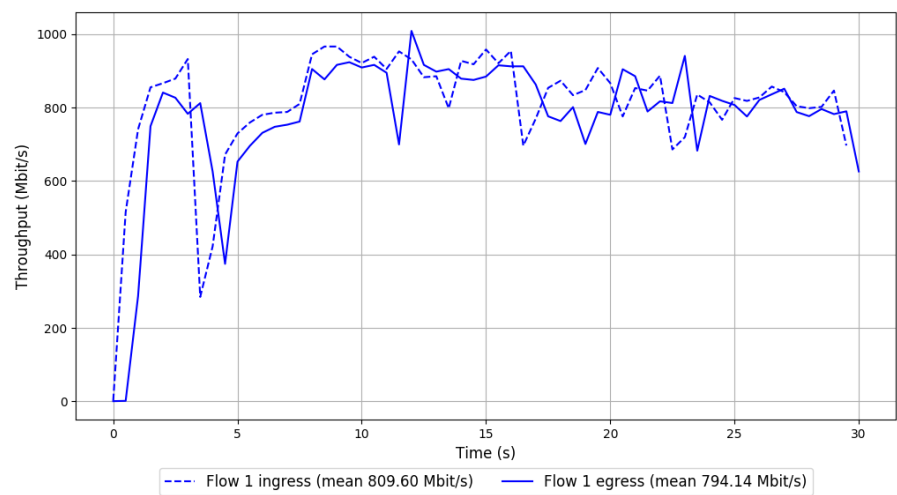


Run 2: Statistics of FillP

Start at: 2018-08-03 19:05:23
End at: 2018-08-03 19:05:53
Local clock offset: 0.073 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-03 22:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 794.14 Mbit/s
95th percentile per-packet one-way delay: 228.624 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 794.14 Mbit/s
95th percentile per-packet one-way delay: 228.624 ms
Loss rate: 2.24%

Run 2: Report of FillP — Data Link

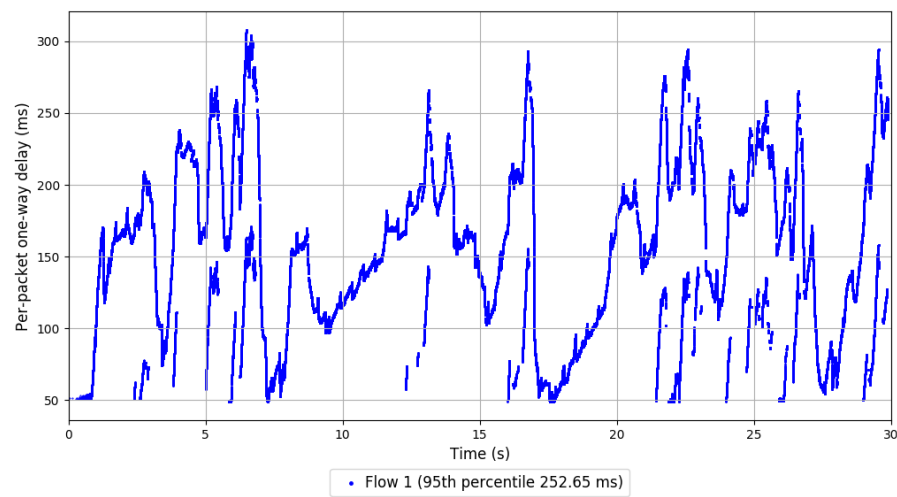
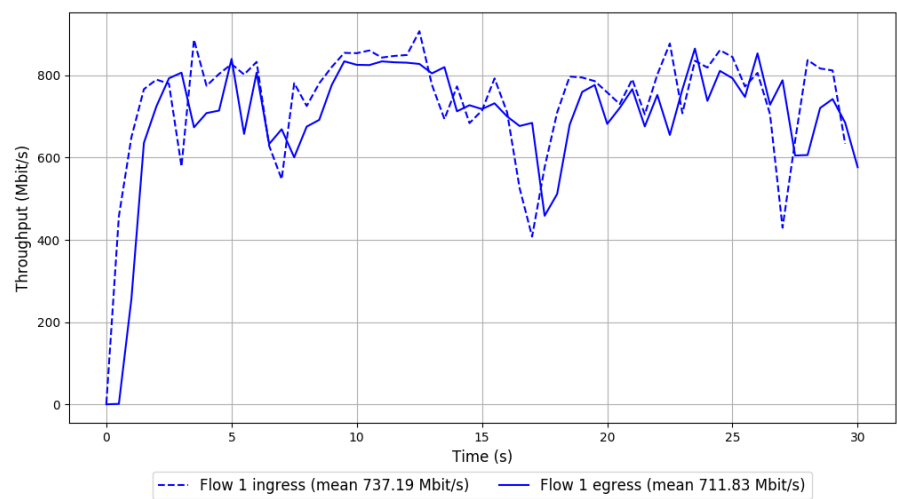


Run 3: Statistics of FillP

Start at: 2018-08-03 19:27:26
End at: 2018-08-03 19:27:56
Local clock offset: 0.092 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-03 22:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 711.83 Mbit/s
95th percentile per-packet one-way delay: 252.648 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 711.83 Mbit/s
95th percentile per-packet one-way delay: 252.648 ms
Loss rate: 3.77%

Run 3: Report of FillP — Data Link

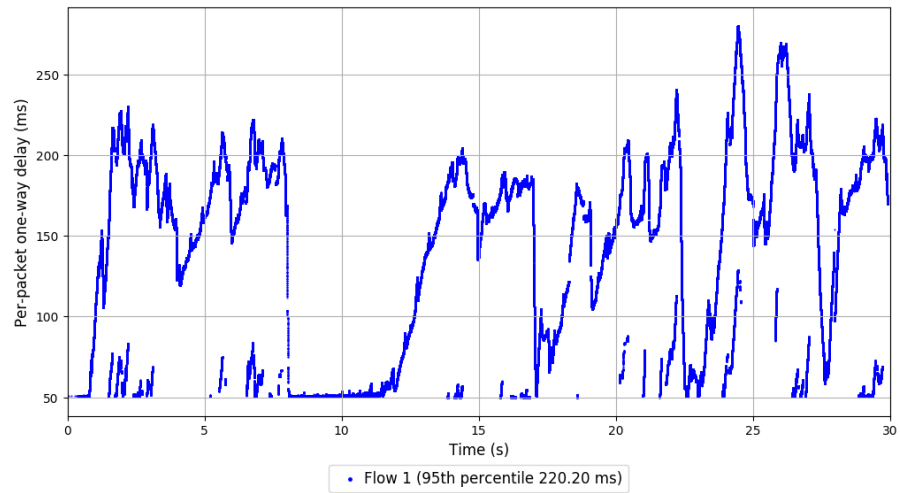
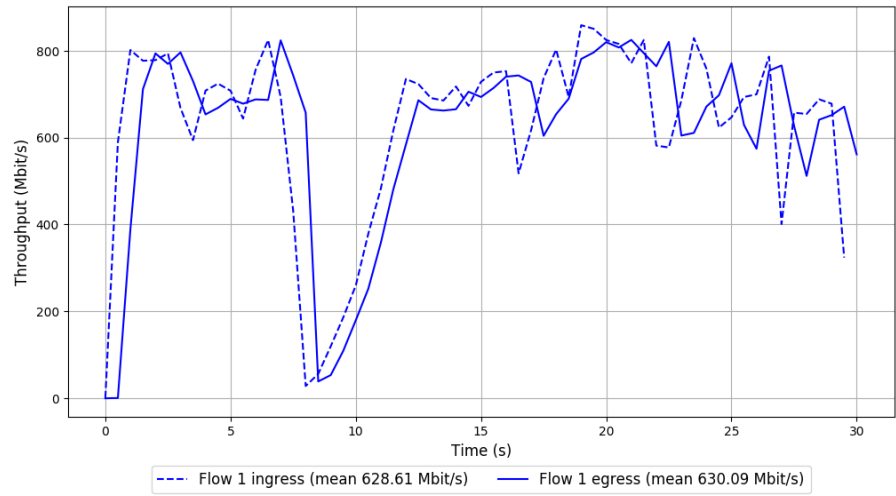


Run 4: Statistics of FillP

Start at: 2018-08-03 19:49:29
End at: 2018-08-03 19:49:59
Local clock offset: 0.159 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-03 22:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 630.09 Mbit/s
95th percentile per-packet one-way delay: 220.198 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 630.09 Mbit/s
95th percentile per-packet one-way delay: 220.198 ms
Loss rate: 0.10%

Run 4: Report of FillP — Data Link

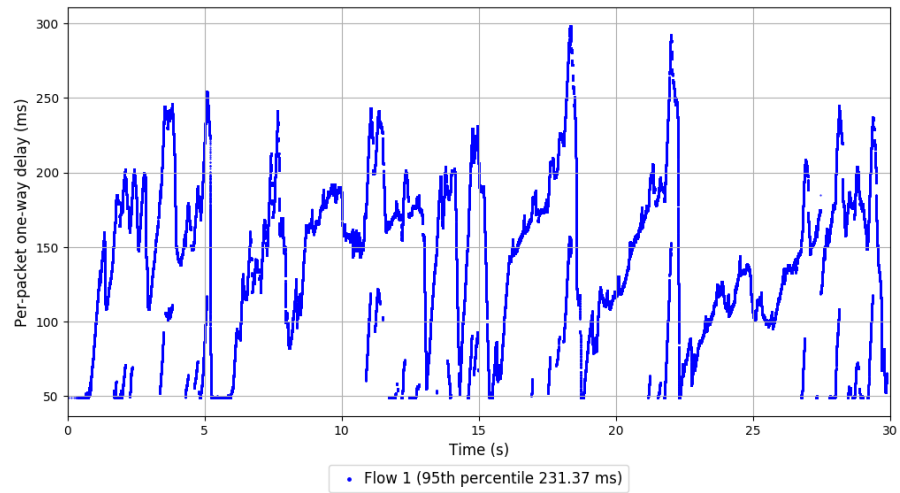
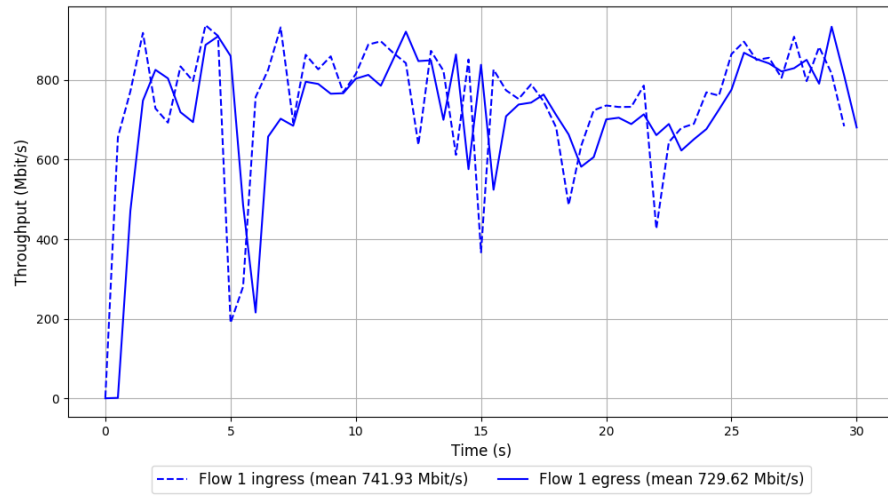


Run 5: Statistics of FillP

Start at: 2018-08-03 20:11:07
End at: 2018-08-03 20:11:37
Local clock offset: 0.183 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-03 22:58:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 729.62 Mbit/s
95th percentile per-packet one-way delay: 231.374 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 729.62 Mbit/s
95th percentile per-packet one-way delay: 231.374 ms
Loss rate: 1.98%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-03 20:33:10

End at: 2018-08-03 20:33:40

Local clock offset: 0.569 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-03 22:59:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 783.30 Mbit/s

95th percentile per-packet one-way delay: 223.447 ms

Loss rate: 1.91%

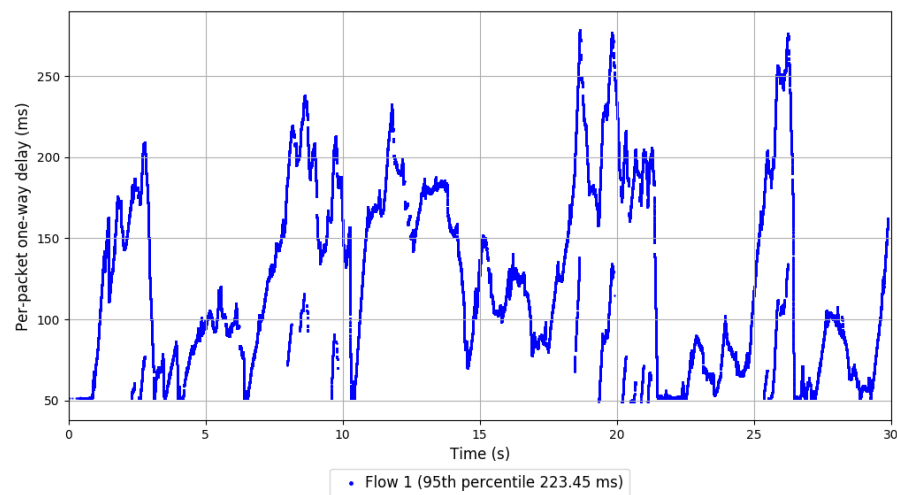
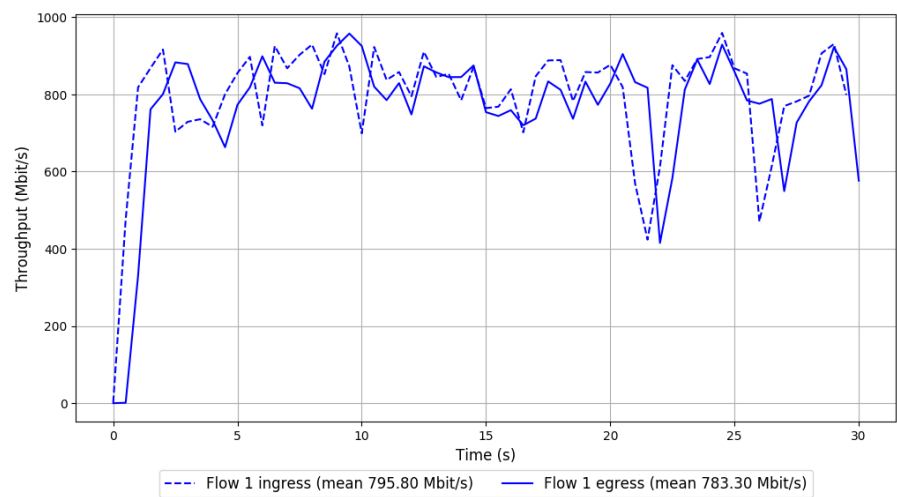
-- Flow 1:

Average throughput: 783.30 Mbit/s

95th percentile per-packet one-way delay: 223.447 ms

Loss rate: 1.91%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-03 20:55:13

End at: 2018-08-03 20:55:43

Local clock offset: 0.067 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-03 22:59:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.68 Mbit/s

95th percentile per-packet one-way delay: 208.008 ms

Loss rate: 2.44%

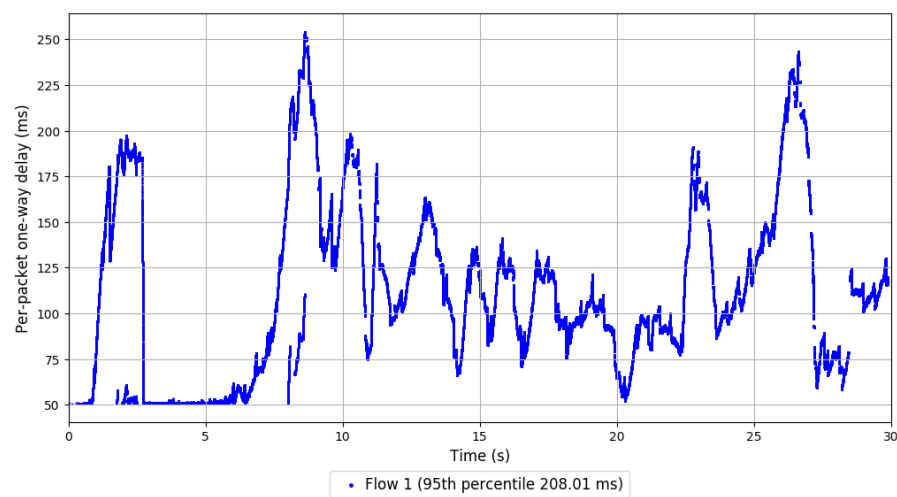
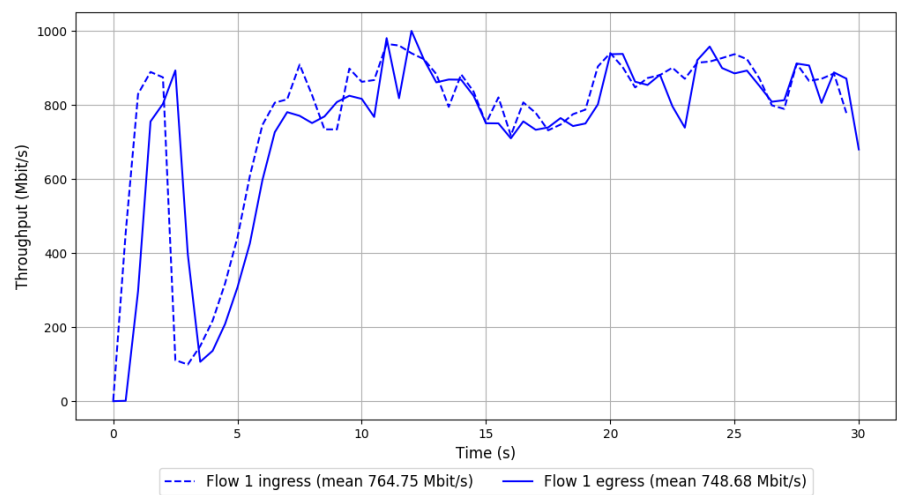
-- Flow 1:

Average throughput: 748.68 Mbit/s

95th percentile per-packet one-way delay: 208.008 ms

Loss rate: 2.44%

Run 7: Report of FillP — Data Link

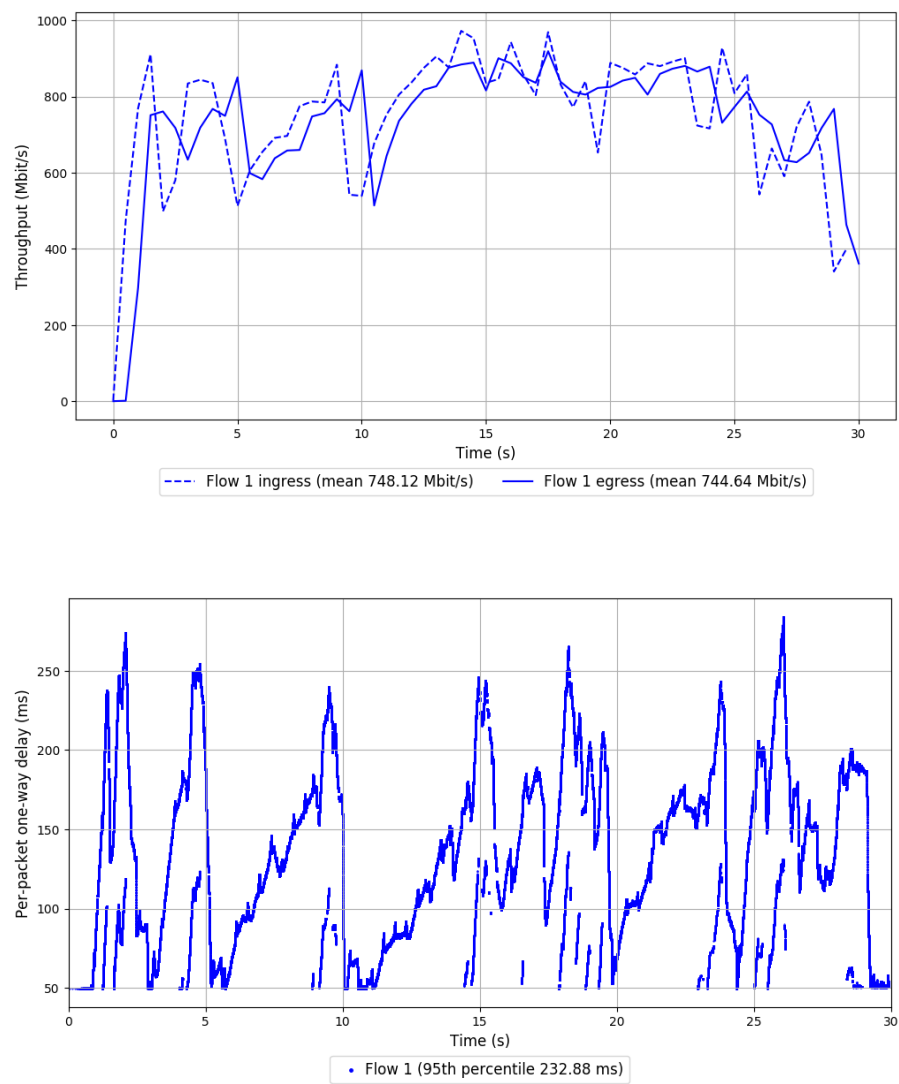


Run 8: Statistics of FillP

Start at: 2018-08-03 21:17:15
End at: 2018-08-03 21:17:45
Local clock offset: -0.251 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-03 22:59:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 744.64 Mbit/s
95th percentile per-packet one-way delay: 232.878 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 744.64 Mbit/s
95th percentile per-packet one-way delay: 232.878 ms
Loss rate: 0.80%

Run 8: Report of FillP — Data Link

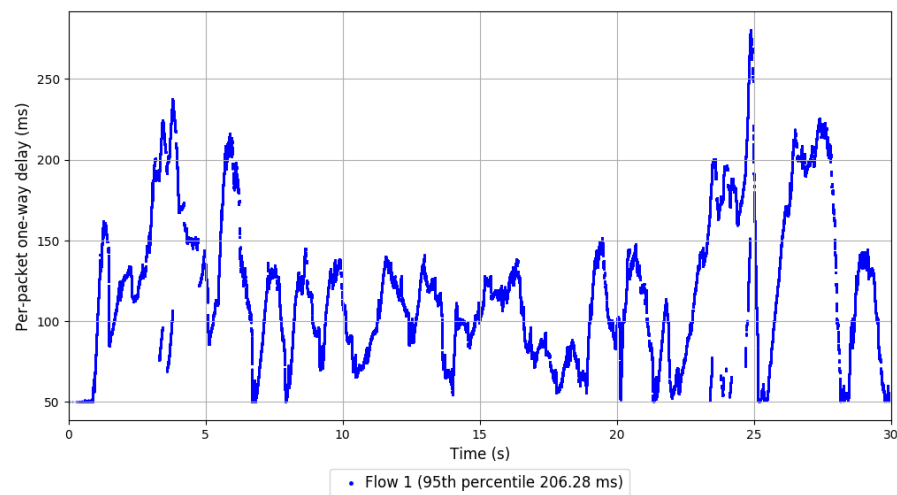
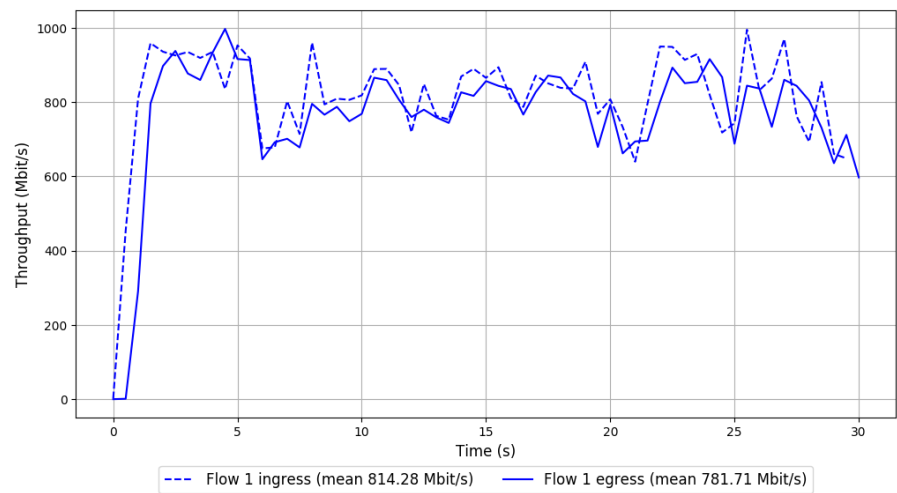


Run 9: Statistics of FillP

Start at: 2018-08-03 21:39:21
End at: 2018-08-03 21:39:51
Local clock offset: 0.219 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-03 23:14:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 781.71 Mbit/s
95th percentile per-packet one-way delay: 206.281 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 781.71 Mbit/s
95th percentile per-packet one-way delay: 206.281 ms
Loss rate: 4.32%

Run 9: Report of FillP — Data Link

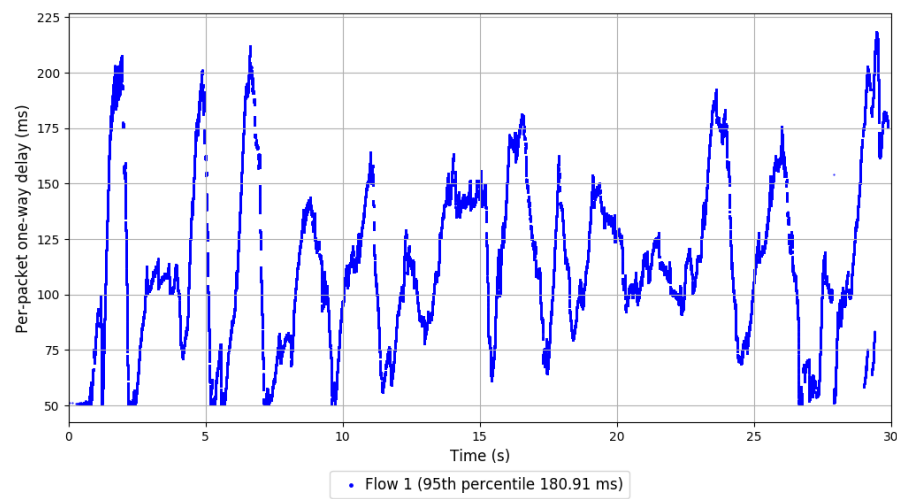
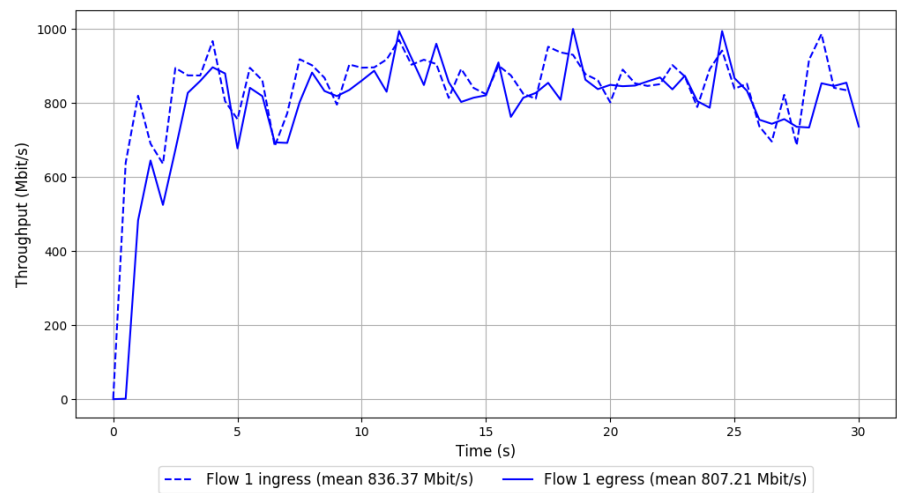


Run 10: Statistics of FillP

Start at: 2018-08-03 22:01:20
End at: 2018-08-03 22:01:50
Local clock offset: 0.477 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-03 23:15:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 807.21 Mbit/s
95th percentile per-packet one-way delay: 180.906 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 807.21 Mbit/s
95th percentile per-packet one-way delay: 180.906 ms
Loss rate: 3.82%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-03 18:49:44

End at: 2018-08-03 18:50:14

Local clock offset: -0.359 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-08-03 23:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 740.19 Mbit/s

95th percentile per-packet one-way delay: 101.966 ms

Loss rate: 0.39%

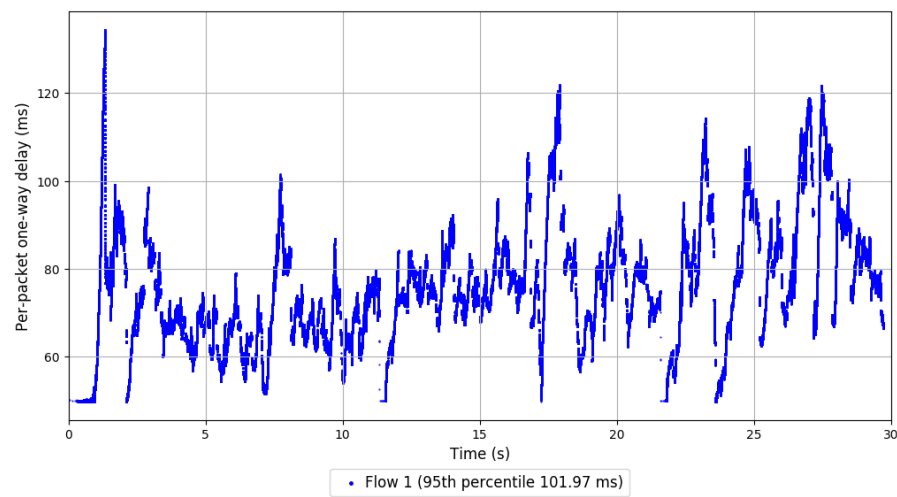
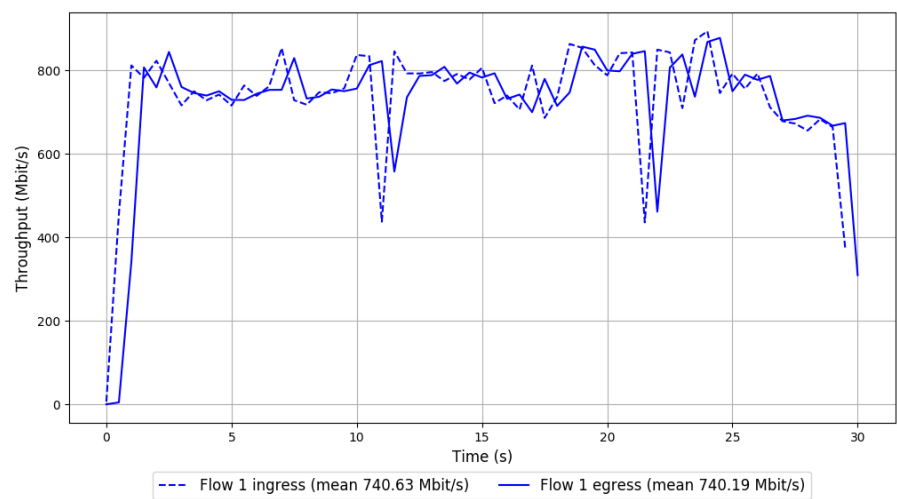
-- Flow 1:

Average throughput: 740.19 Mbit/s

95th percentile per-packet one-way delay: 101.966 ms

Loss rate: 0.39%

Run 1: Report of FillP-Sheep — Data Link

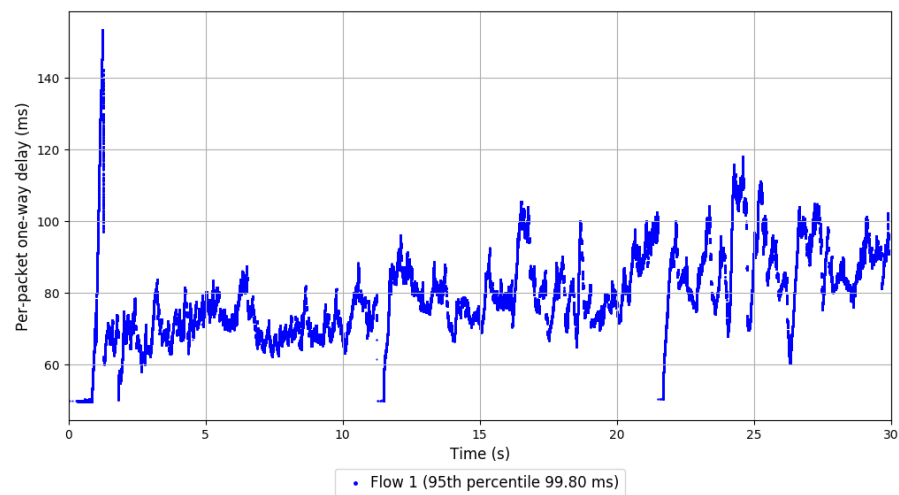
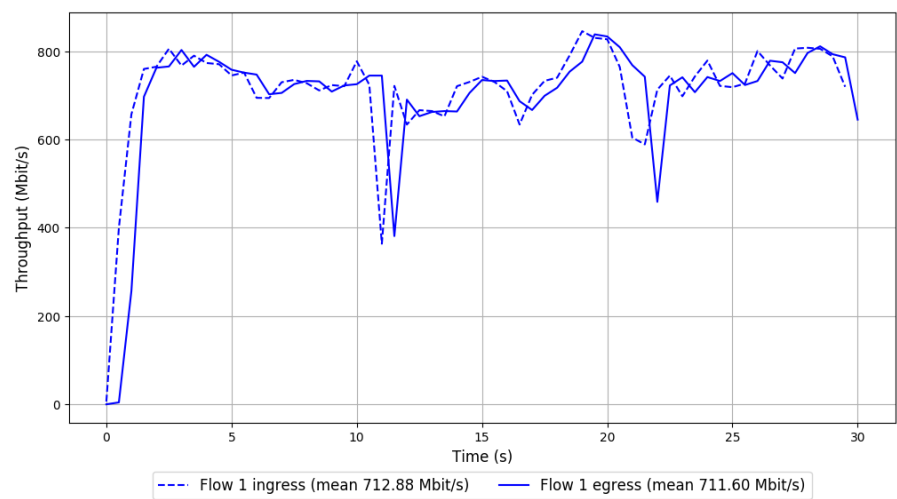


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-03 19:11:44
End at: 2018-08-03 19:12:14
Local clock offset: -0.348 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-03 23:15:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 711.60 Mbit/s
95th percentile per-packet one-way delay: 99.798 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 711.60 Mbit/s
95th percentile per-packet one-way delay: 99.798 ms
Loss rate: 0.52%

Run 2: Report of FillP-Sheep — Data Link

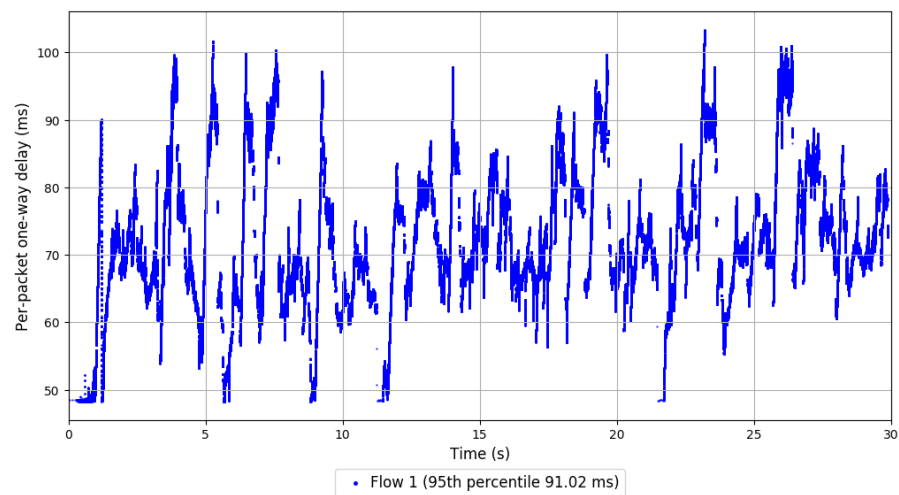
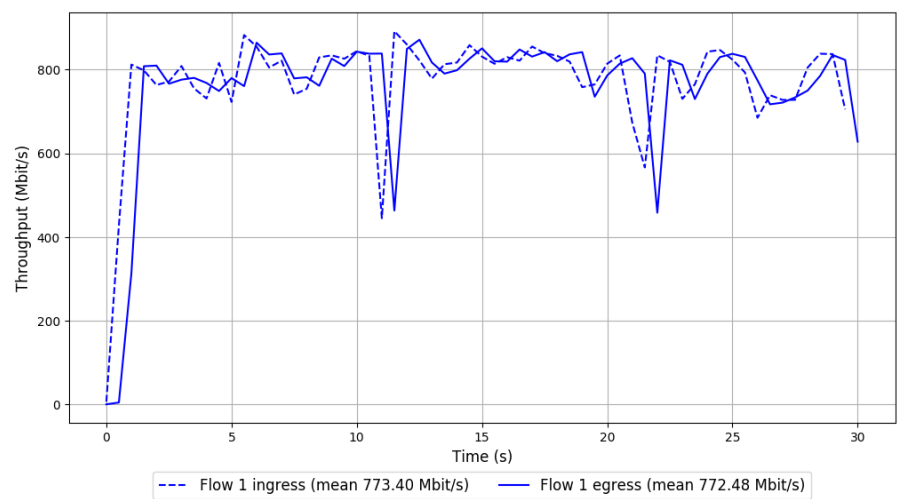


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-03 19:33:48
End at: 2018-08-03 19:34:18
Local clock offset: -0.28 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-03 23:16:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.48 Mbit/s
95th percentile per-packet one-way delay: 91.019 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 772.48 Mbit/s
95th percentile per-packet one-way delay: 91.019 ms
Loss rate: 0.45%

Run 3: Report of FillP-Sheep — Data Link

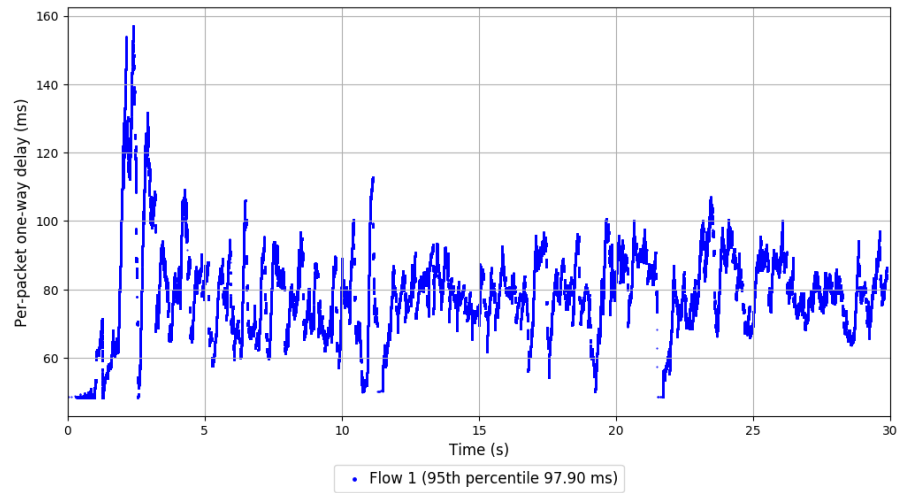
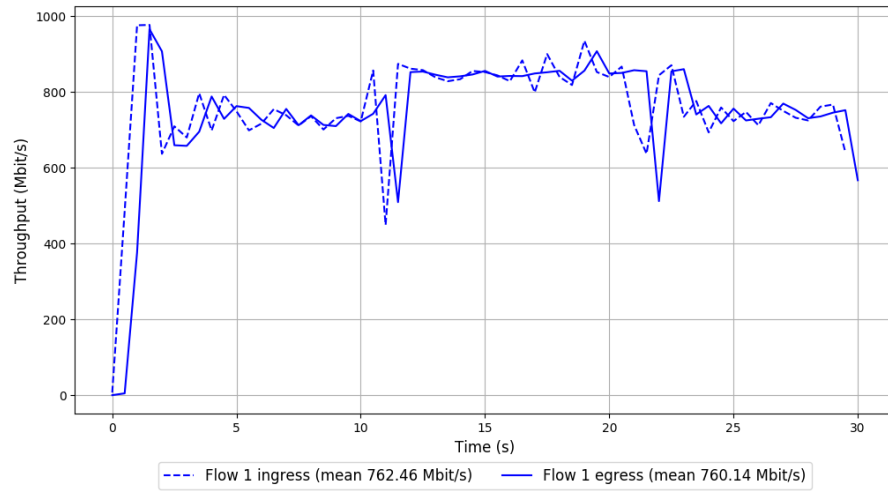


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-03 19:55:42
End at: 2018-08-03 19:56:12
Local clock offset: -0.237 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-03 23:16:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 760.14 Mbit/s
95th percentile per-packet one-way delay: 97.901 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 760.14 Mbit/s
95th percentile per-packet one-way delay: 97.901 ms
Loss rate: 0.64%

Run 4: Report of FillP-Sheep — Data Link

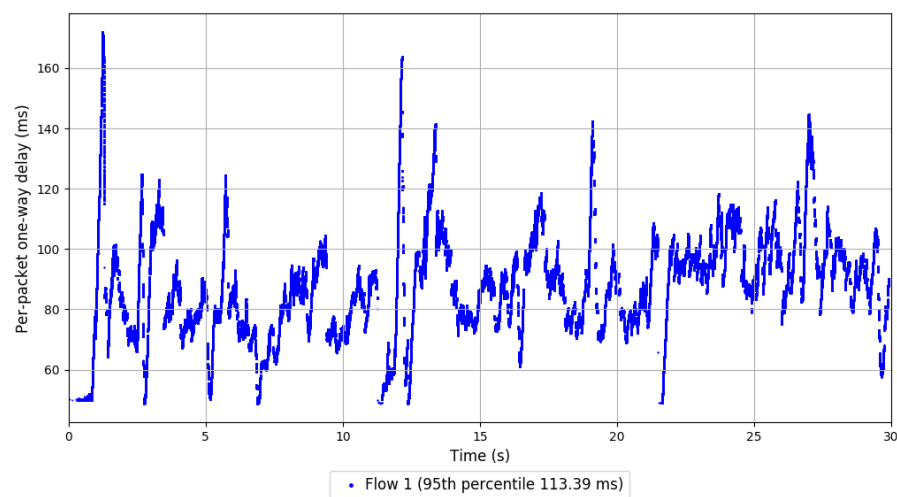
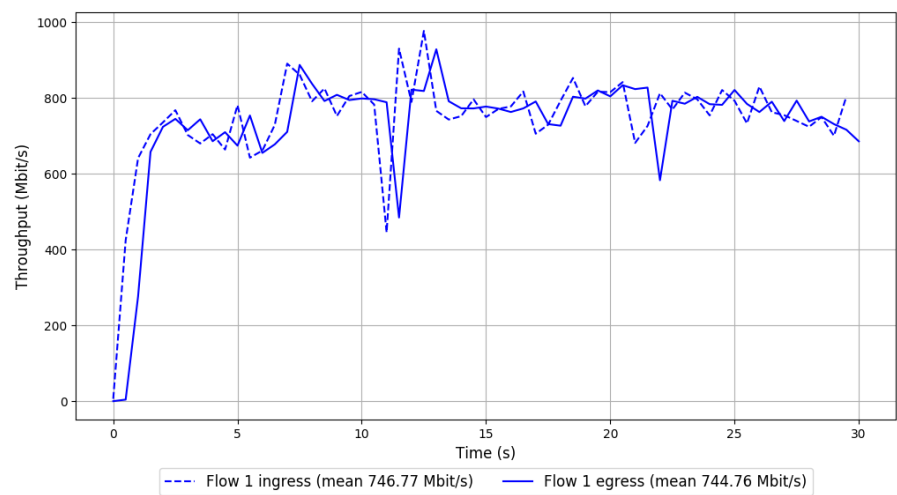


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-03 20:17:29
End at: 2018-08-03 20:18:00
Local clock offset: 0.177 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-03 23:16:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 744.76 Mbit/s
95th percentile per-packet one-way delay: 113.385 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 744.76 Mbit/s
95th percentile per-packet one-way delay: 113.385 ms
Loss rate: 0.60%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-03 20:39:34

End at: 2018-08-03 20:40:05

Local clock offset: -0.214 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-08-03 23:16:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 743.69 Mbit/s

95th percentile per-packet one-way delay: 120.888 ms

Loss rate: 0.81%

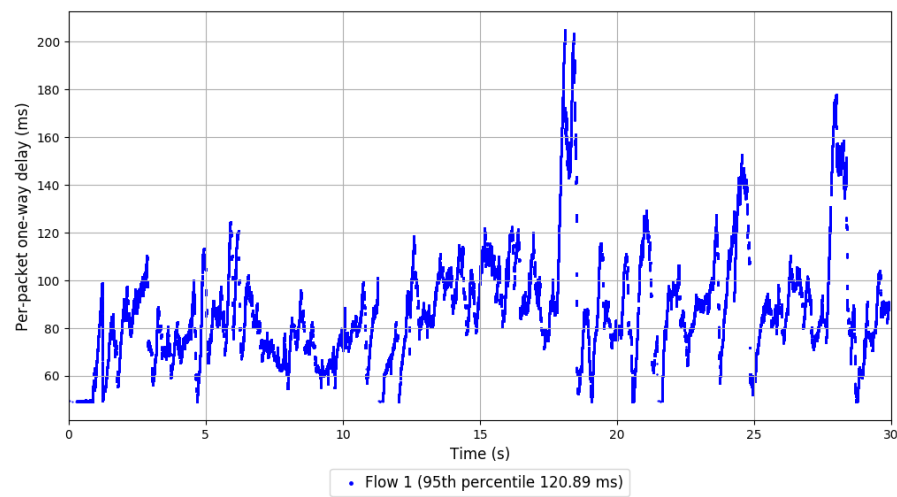
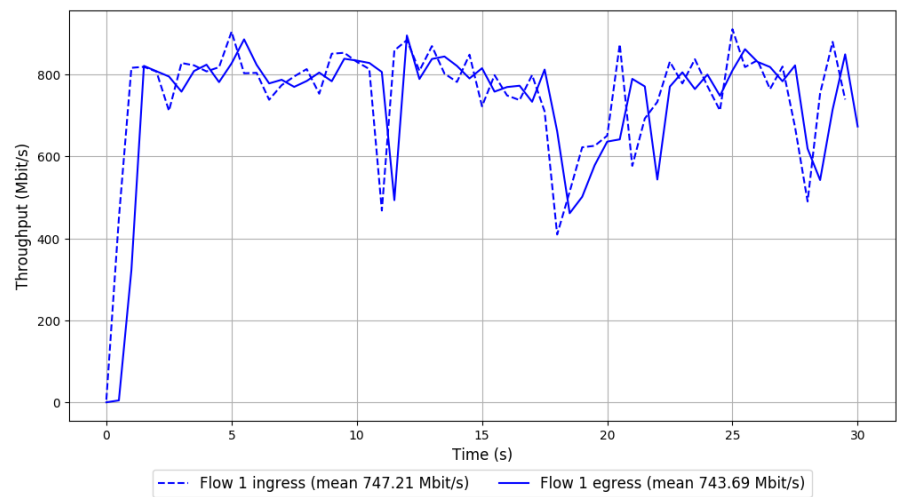
-- Flow 1:

Average throughput: 743.69 Mbit/s

95th percentile per-packet one-way delay: 120.888 ms

Loss rate: 0.81%

Run 6: Report of FillP-Sheep — Data Link

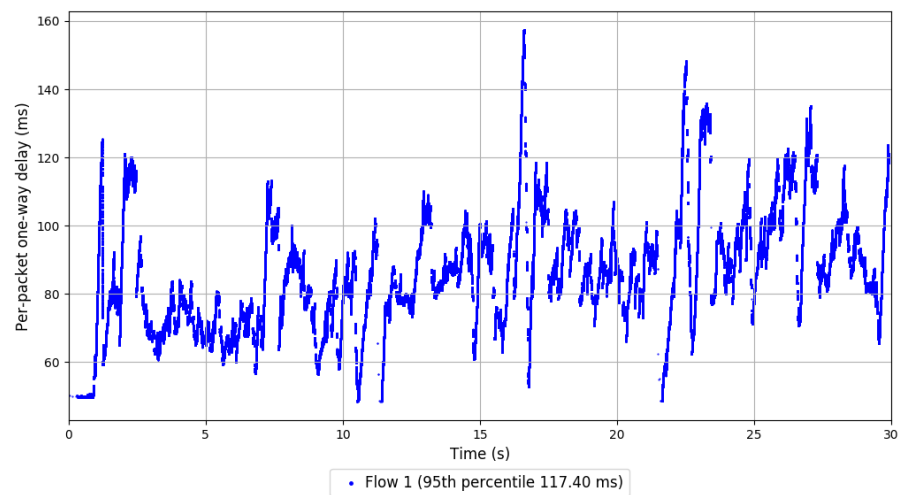
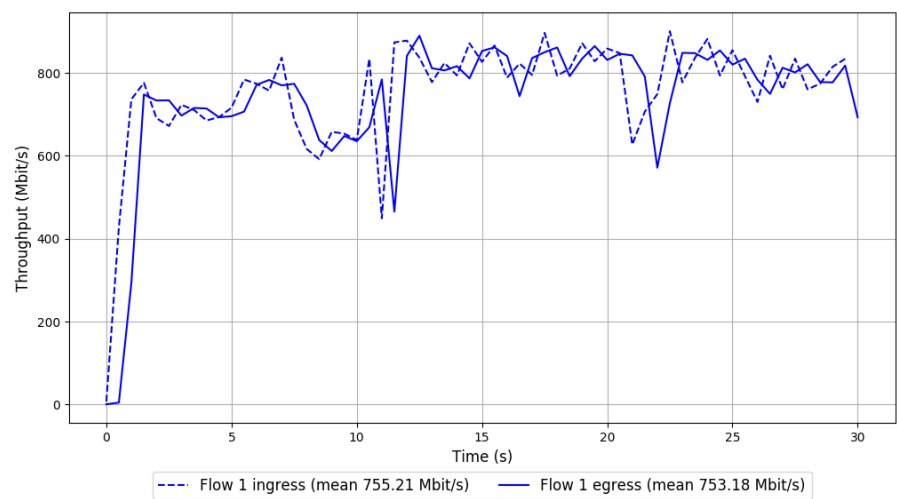


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-03 21:01:33
End at: 2018-08-03 21:02:03
Local clock offset: -0.27 ms
Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-08-03 23:32:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 753.18 Mbit/s
95th percentile per-packet one-way delay: 117.399 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 753.18 Mbit/s
95th percentile per-packet one-way delay: 117.399 ms
Loss rate: 0.61%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-03 21:23:34

End at: 2018-08-03 21:24:04

Local clock offset: 0.171 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-03 23:32:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.28 Mbit/s

95th percentile per-packet one-way delay: 111.115 ms

Loss rate: 0.59%

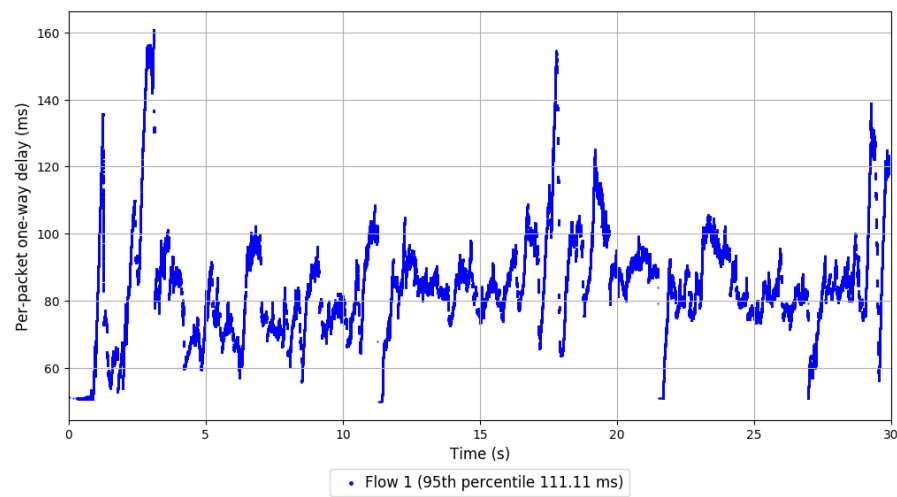
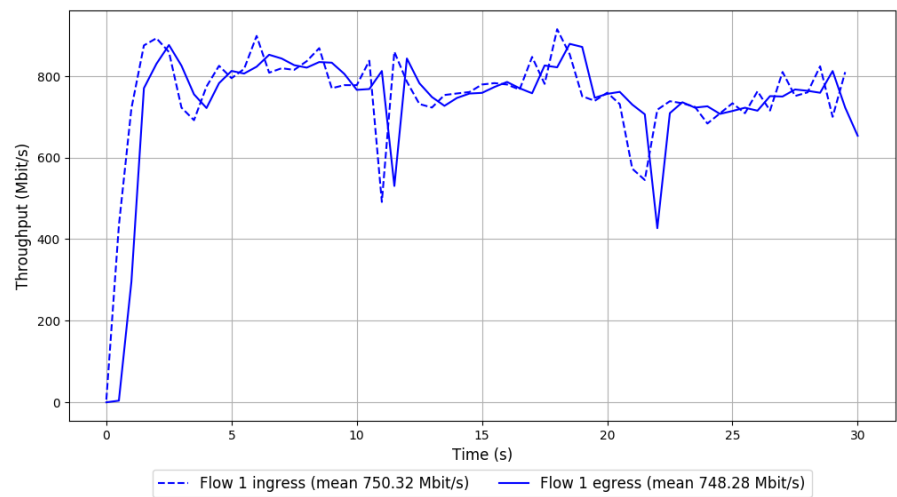
-- Flow 1:

Average throughput: 748.28 Mbit/s

95th percentile per-packet one-way delay: 111.115 ms

Loss rate: 0.59%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-03 21:45:42

End at: 2018-08-03 21:46:12

Local clock offset: 0.085 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-03 23:32:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 695.86 Mbit/s

95th percentile per-packet one-way delay: 112.062 ms

Loss rate: 0.61%

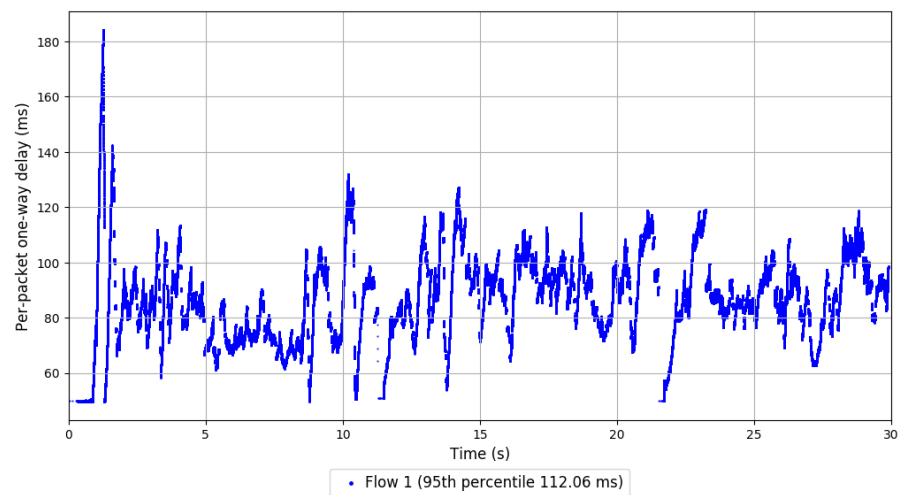
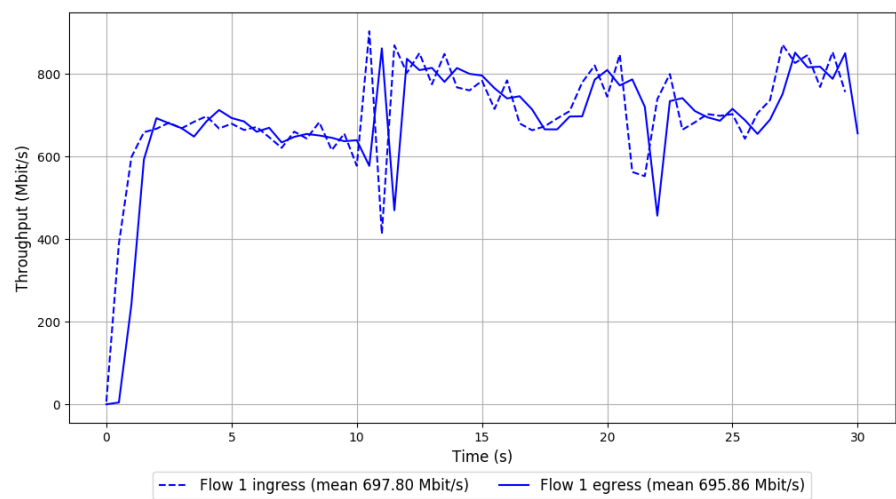
-- Flow 1:

Average throughput: 695.86 Mbit/s

95th percentile per-packet one-way delay: 112.062 ms

Loss rate: 0.61%

Run 9: Report of FillP-Sheep — Data Link

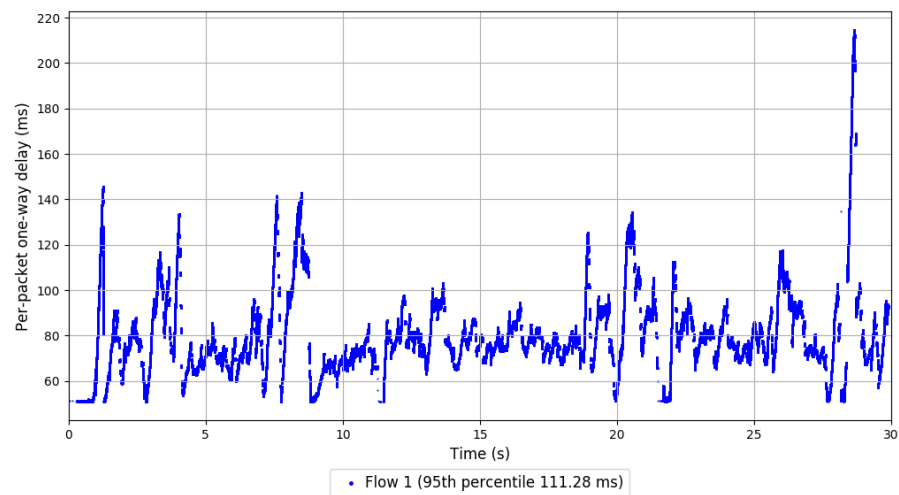
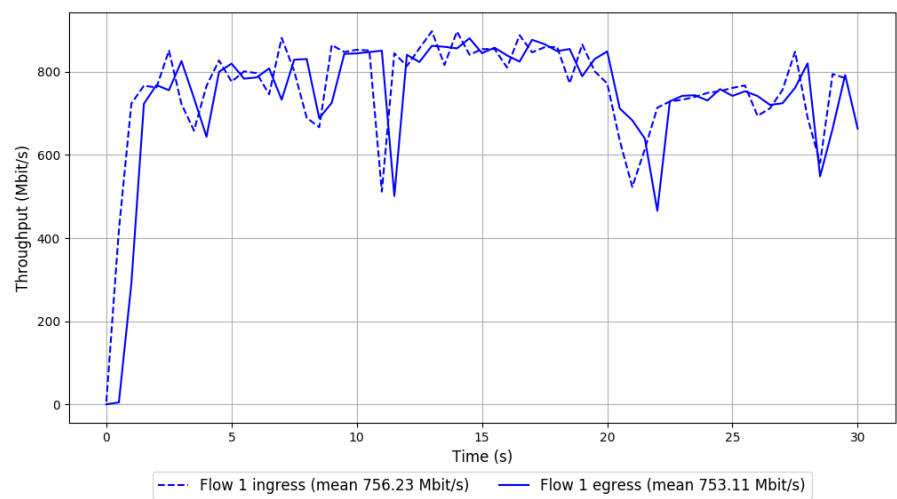


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-03 22:07:42
End at: 2018-08-03 22:08:12
Local clock offset: 0.423 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 753.11 Mbit/s
95th percentile per-packet one-way delay: 111.276 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 753.11 Mbit/s
95th percentile per-packet one-way delay: 111.276 ms
Loss rate: 0.75%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

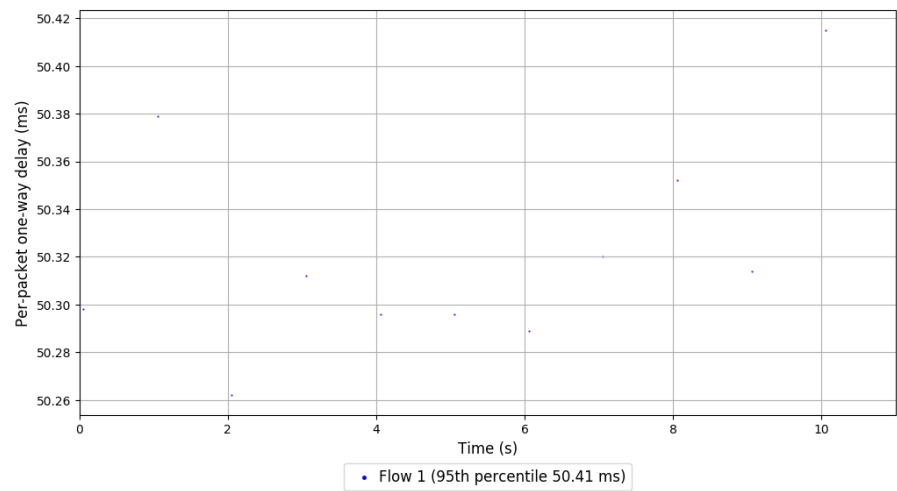
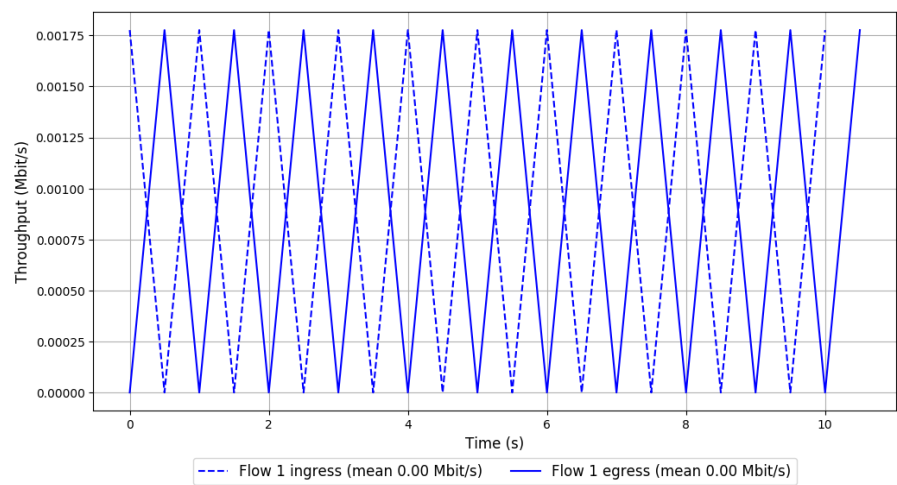
Start at: 2018-08-03 18:42:23

End at: 2018-08-03 18:42:53

Local clock offset: 0.027 ms

Remote clock offset: 0.002 ms

Run 1: Report of Indigo — Data Link

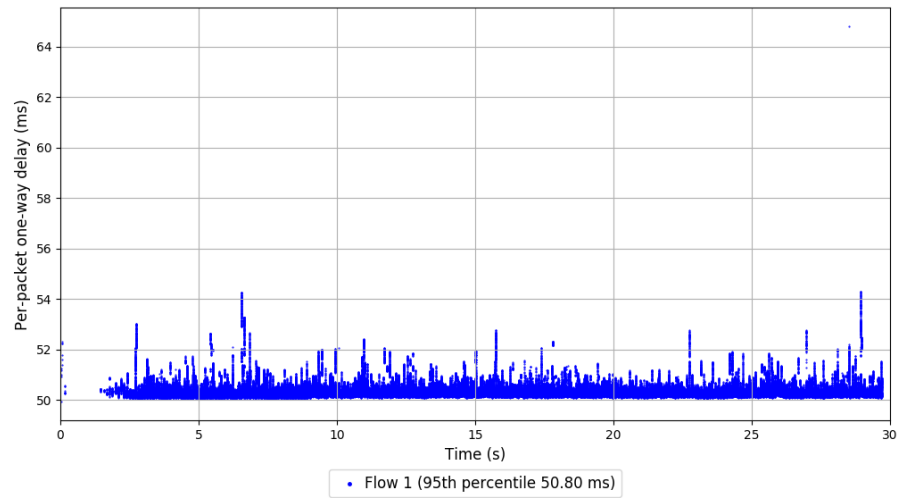
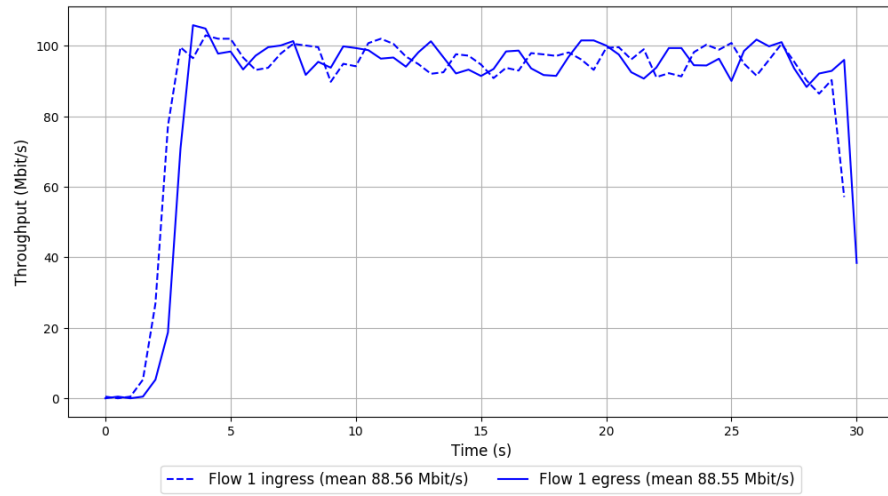


Run 2: Statistics of Indigo

Start at: 2018-08-03 19:04:12
End at: 2018-08-03 19:04:42
Local clock offset: 0.024 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 50.796 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 50.796 ms
Loss rate: 0.36%

Run 2: Report of Indigo — Data Link

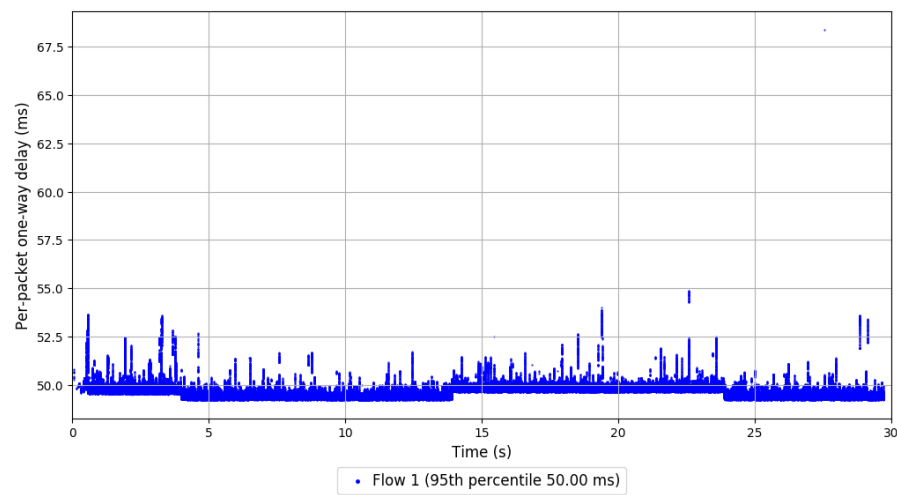
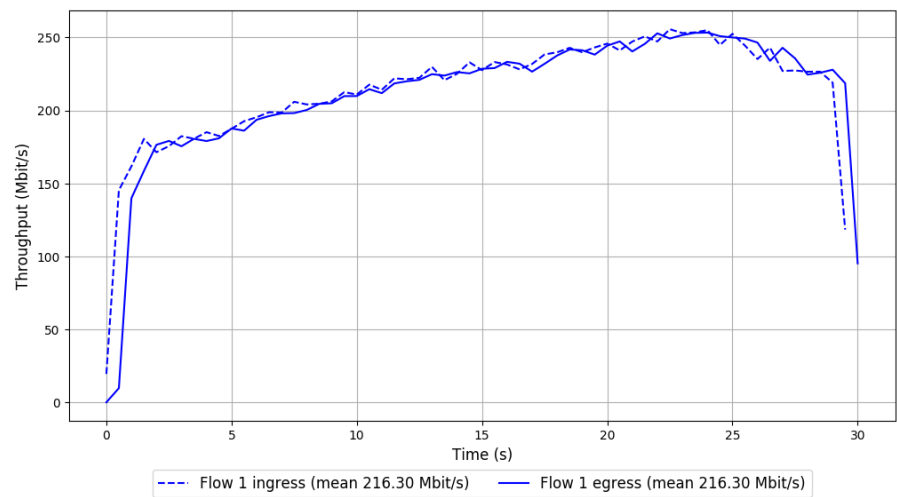


Run 3: Statistics of Indigo

Start at: 2018-08-03 19:26:07
End at: 2018-08-03 19:26:37
Local clock offset: 0.02 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.30 Mbit/s
95th percentile per-packet one-way delay: 50.002 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 216.30 Mbit/s
95th percentile per-packet one-way delay: 50.002 ms
Loss rate: 0.34%

Run 3: Report of Indigo — Data Link

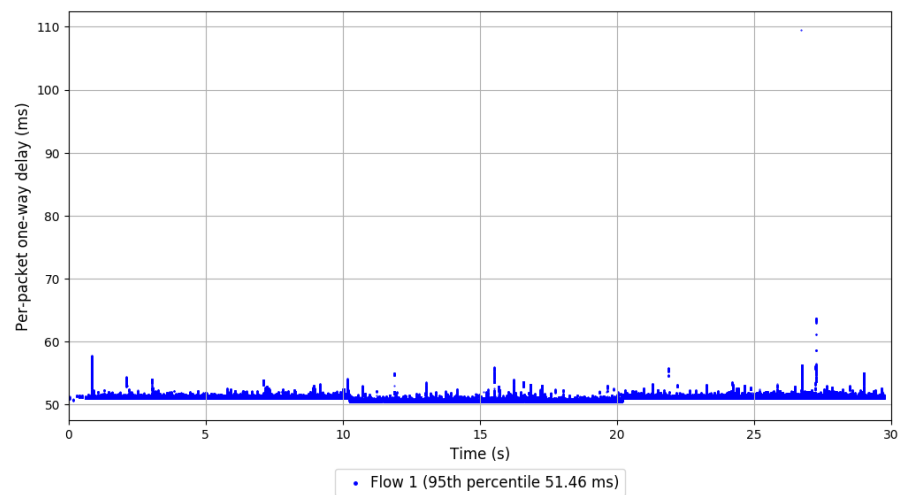
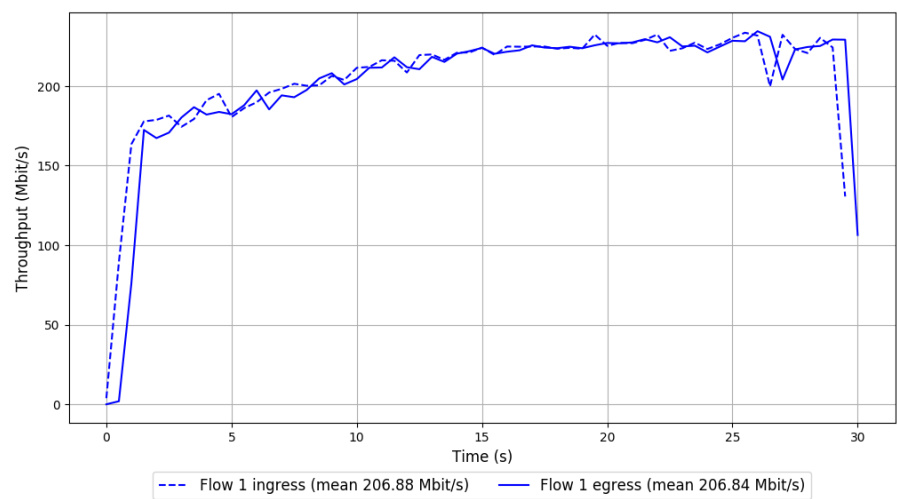


Run 4: Statistics of Indigo

Start at: 2018-08-03 19:48:11
End at: 2018-08-03 19:48:41
Local clock offset: 0.512 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.84 Mbit/s
95th percentile per-packet one-way delay: 51.460 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 206.84 Mbit/s
95th percentile per-packet one-way delay: 51.460 ms
Loss rate: 0.36%

Run 4: Report of Indigo — Data Link

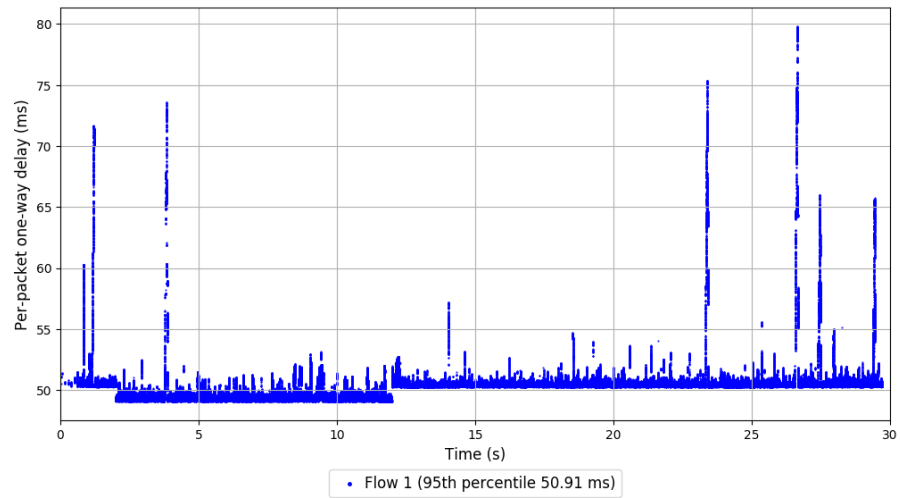
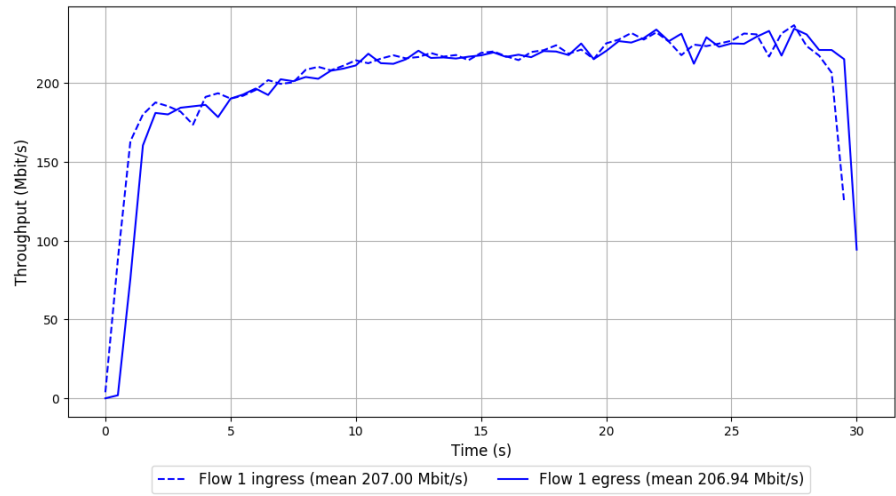


Run 5: Statistics of Indigo

Start at: 2018-08-03 20:09:49
End at: 2018-08-03 20:10:19
Local clock offset: -0.191 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.94 Mbit/s
95th percentile per-packet one-way delay: 50.907 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 206.94 Mbit/s
95th percentile per-packet one-way delay: 50.907 ms
Loss rate: 0.37%

Run 5: Report of Indigo — Data Link

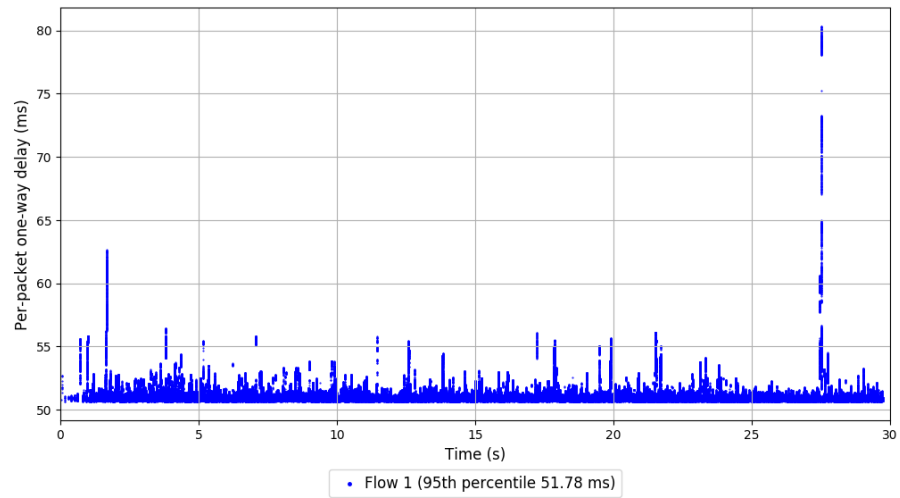
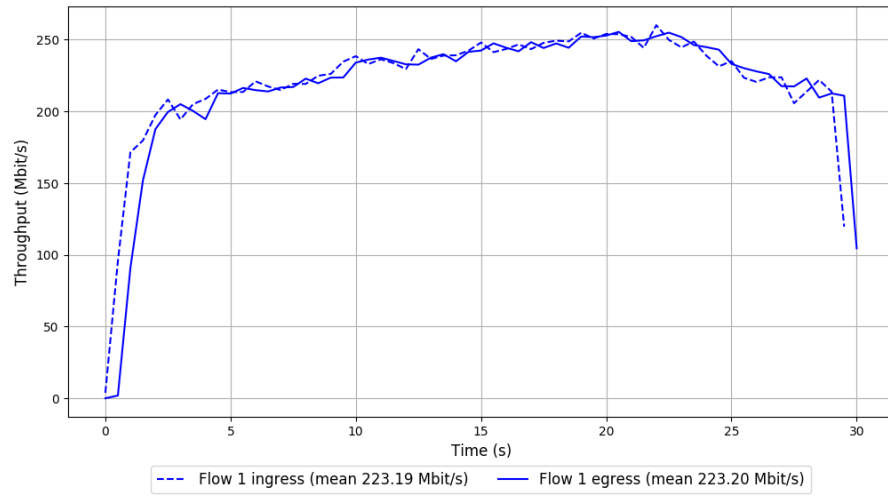


Run 6: Statistics of Indigo

Start at: 2018-08-03 20:31:50
End at: 2018-08-03 20:32:20
Local clock offset: 0.213 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.20 Mbit/s
95th percentile per-packet one-way delay: 51.784 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 223.20 Mbit/s
95th percentile per-packet one-way delay: 51.784 ms
Loss rate: 0.33%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-03 20:53:54

End at: 2018-08-03 20:54:24

Local clock offset: 0.121 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-08-03 23:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.47 Mbit/s

95th percentile per-packet one-way delay: 51.664 ms

Loss rate: 0.35%

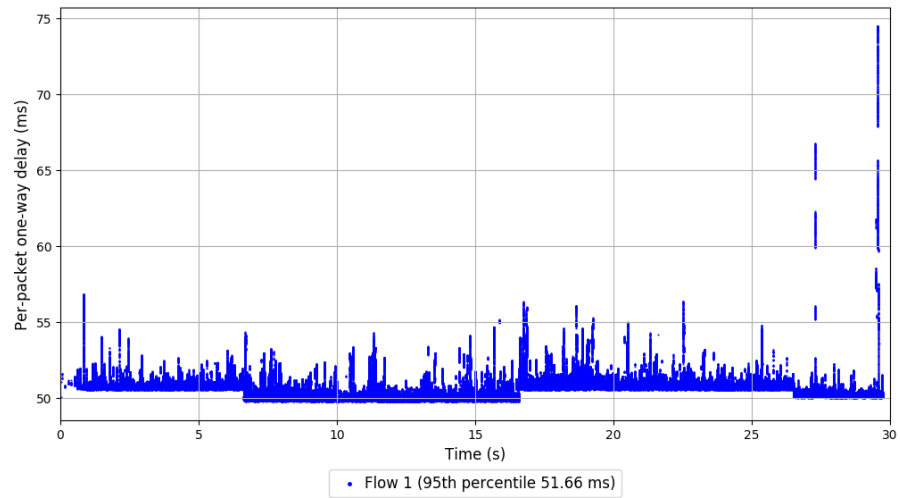
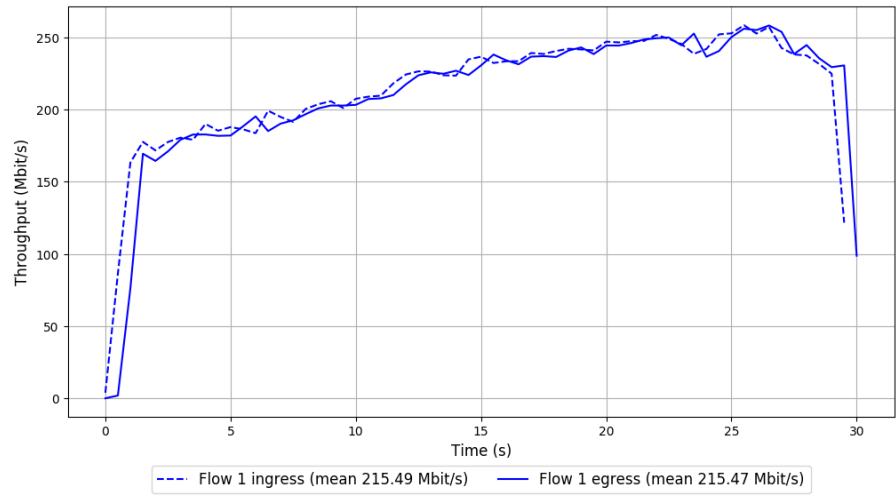
-- Flow 1:

Average throughput: 215.47 Mbit/s

95th percentile per-packet one-way delay: 51.664 ms

Loss rate: 0.35%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-03 21:15:56

End at: 2018-08-03 21:16:26

Local clock offset: 0.46 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-03 23:35:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.00 Mbit/s

95th percentile per-packet one-way delay: 50.799 ms

Loss rate: 0.40%

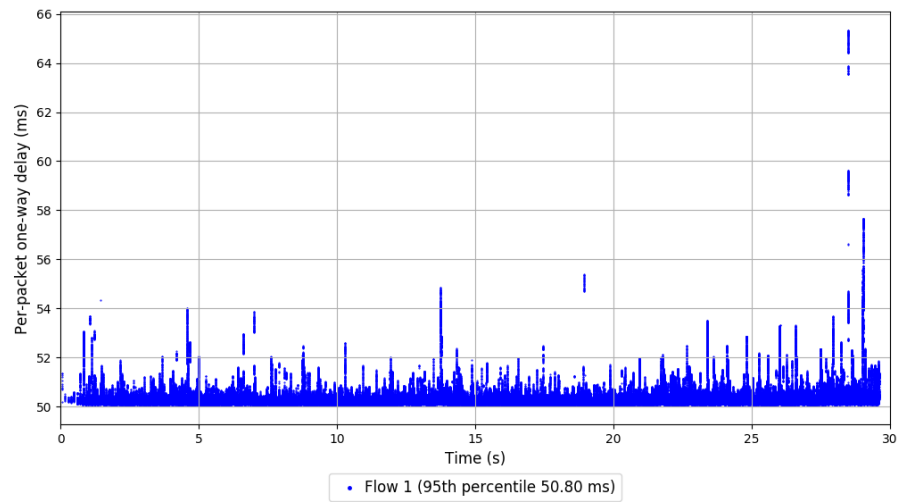
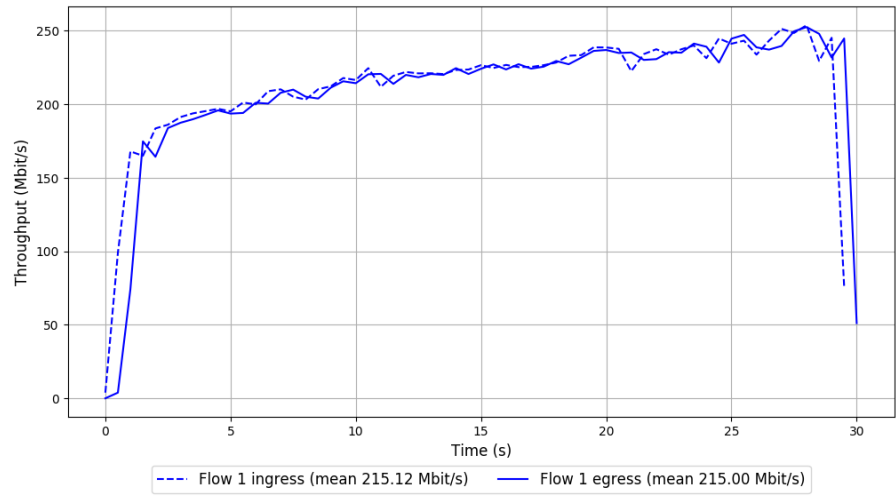
-- Flow 1:

Average throughput: 215.00 Mbit/s

95th percentile per-packet one-way delay: 50.799 ms

Loss rate: 0.40%

Run 8: Report of Indigo — Data Link

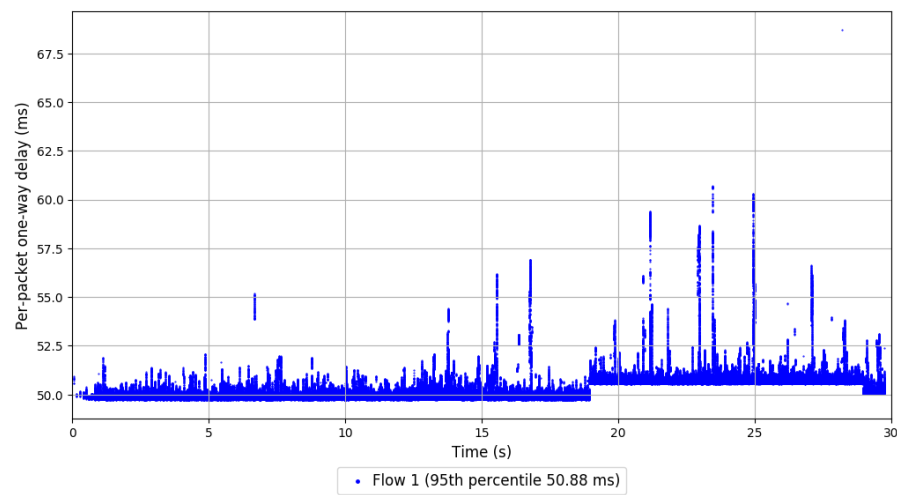
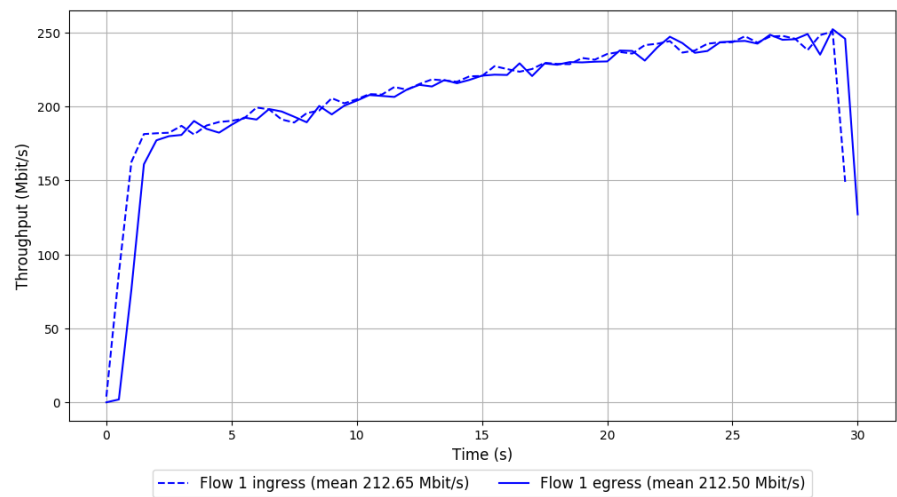


Run 9: Statistics of Indigo

Start at: 2018-08-03 21:38:02
End at: 2018-08-03 21:38:32
Local clock offset: 0.133 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.39%

Run 9: Report of Indigo — Data Link

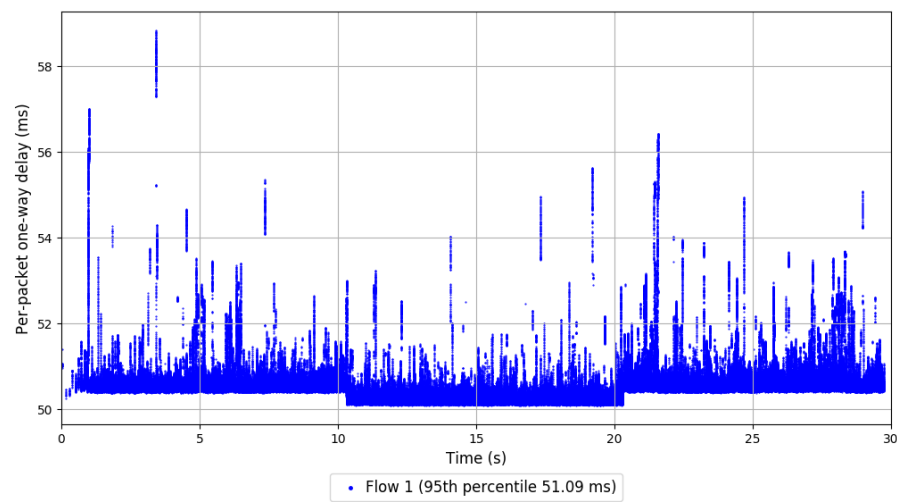
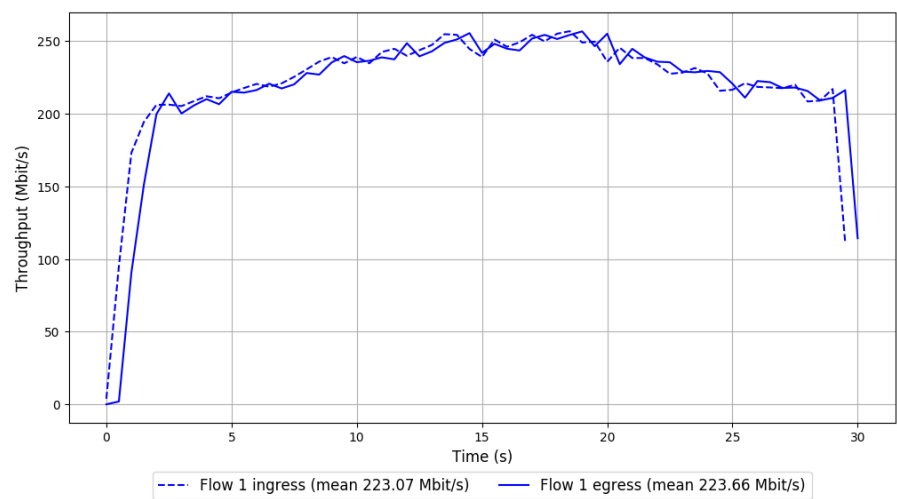


Run 10: Statistics of Indigo

Start at: 2018-08-03 22:00:01
End at: 2018-08-03 22:00:31
Local clock offset: 0.45 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-03 23:35:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.66 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 223.66 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.15%

Run 10: Report of Indigo — Data Link

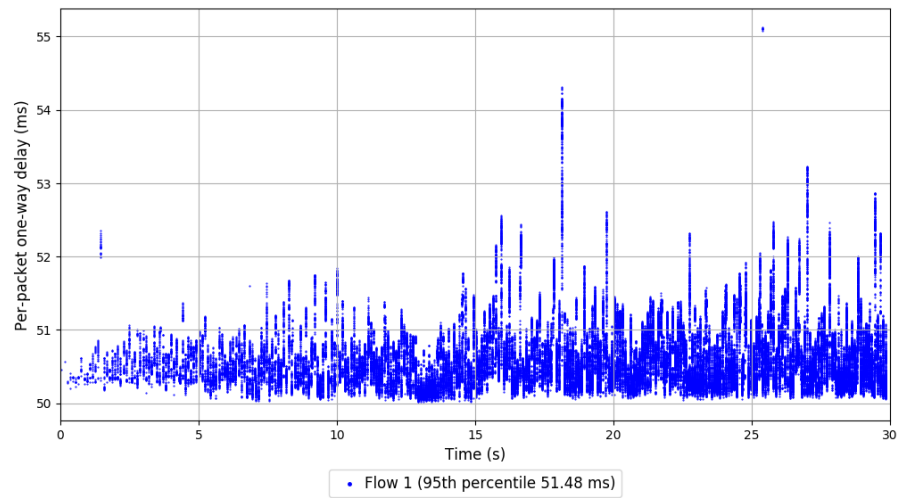
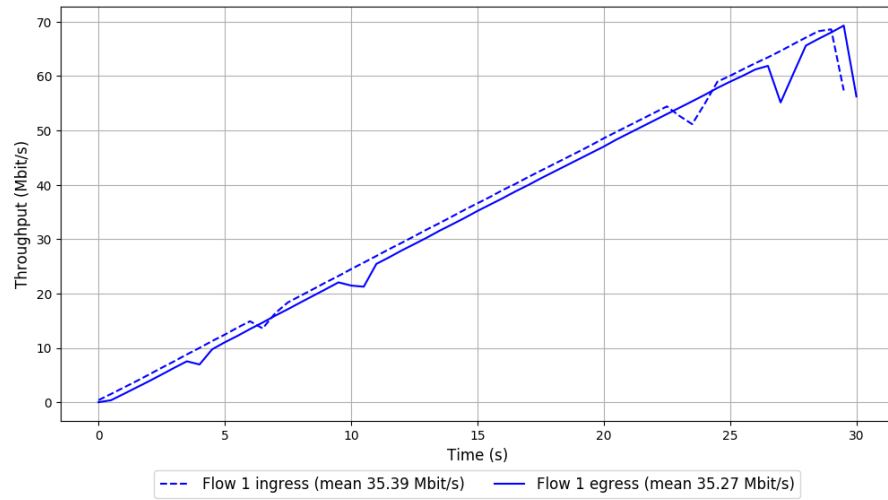


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-03 18:48:36
End at: 2018-08-03 18:49:06
Local clock offset: 0.021 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2018-08-03 23:35:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 51.479 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 51.479 ms
Loss rate: 0.67%
```


Run 1: Report of LEDBAT — Data Link

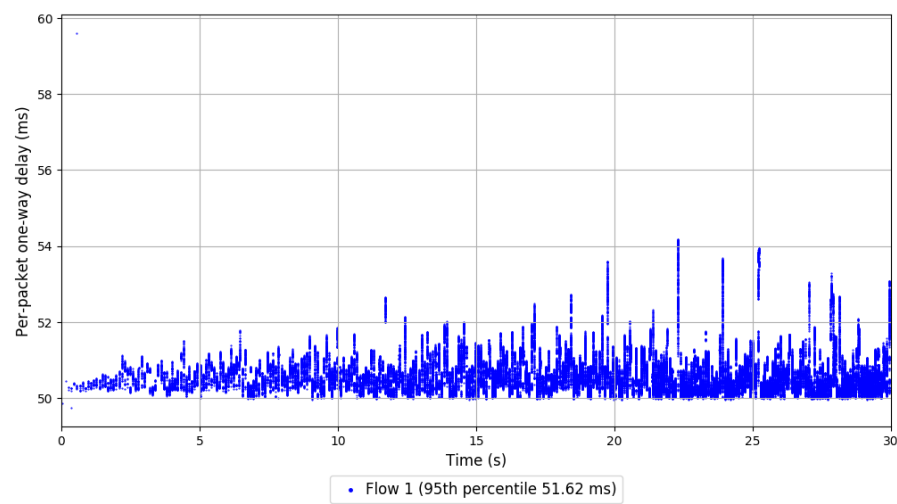
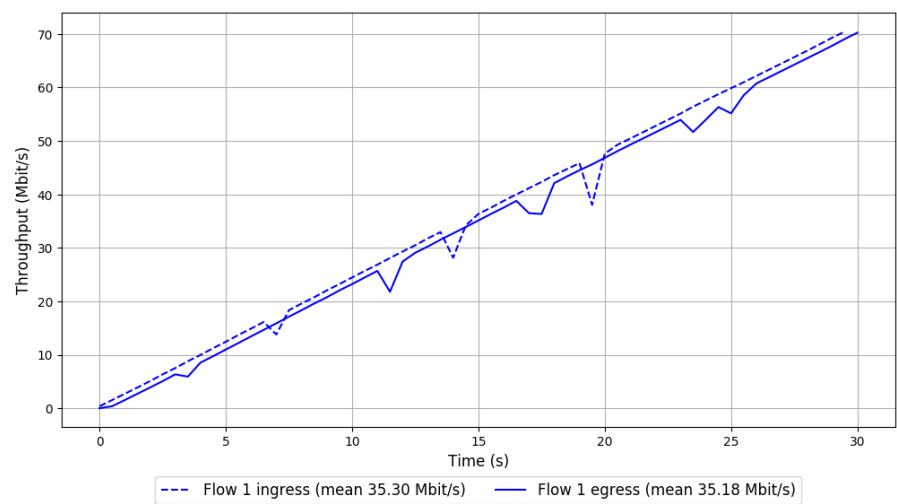


Run 2: Statistics of LEDBAT

Start at: 2018-08-03 19:10:37
End at: 2018-08-03 19:11:07
Local clock offset: 0.045 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 51.620 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 51.620 ms
Loss rate: 0.67%

Run 2: Report of LEDBAT — Data Link

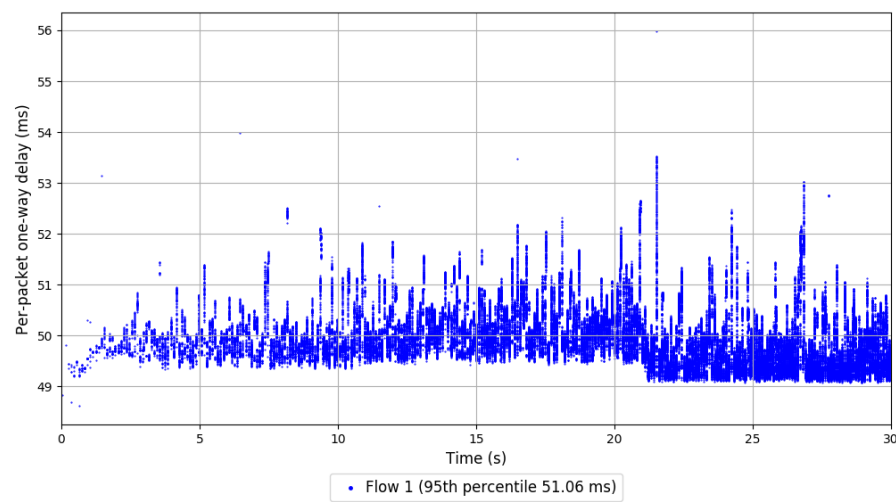
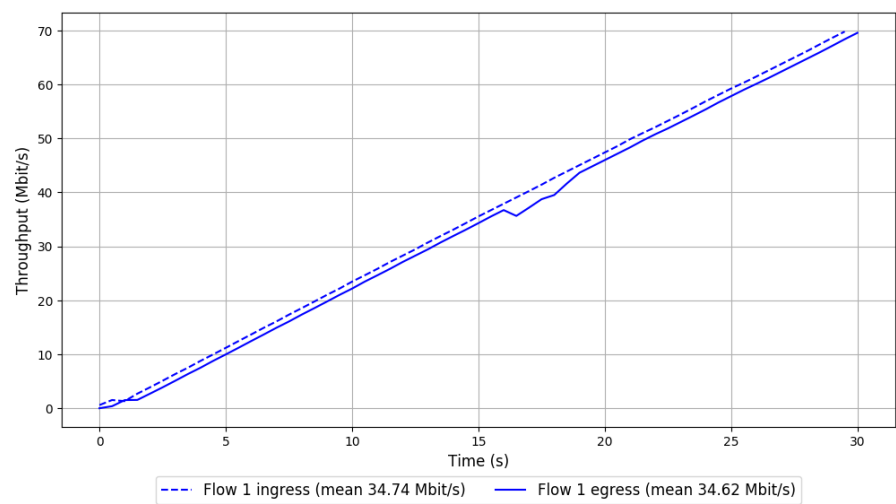


Run 3: Statistics of LEDBAT

Start at: 2018-08-03 19:32:40
End at: 2018-08-03 19:33:10
Local clock offset: -0.233 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 51.058 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 51.058 ms
Loss rate: 0.67%

Run 3: Report of LEDBAT — Data Link

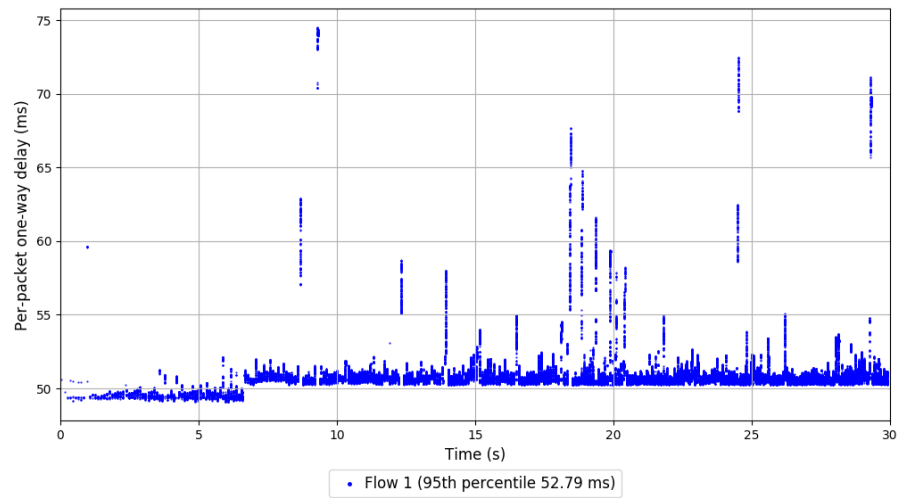
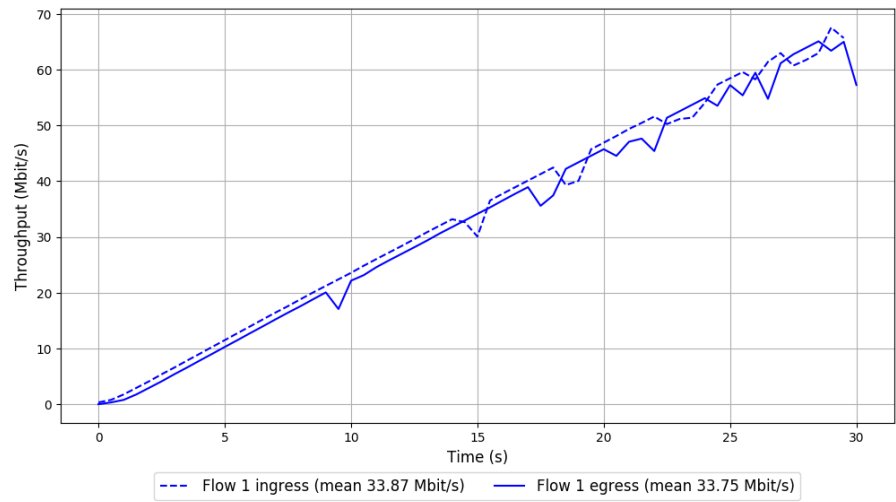


Run 4: Statistics of LEDBAT

Start at: 2018-08-03 19:54:34
End at: 2018-08-03 19:55:04
Local clock offset: -0.226 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 52.791 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 52.791 ms
Loss rate: 0.68%

Run 4: Report of LEDBAT — Data Link

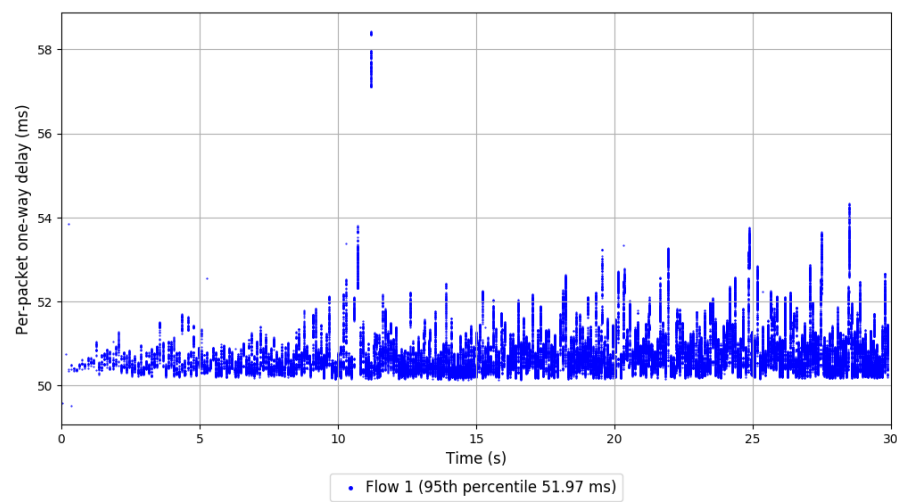
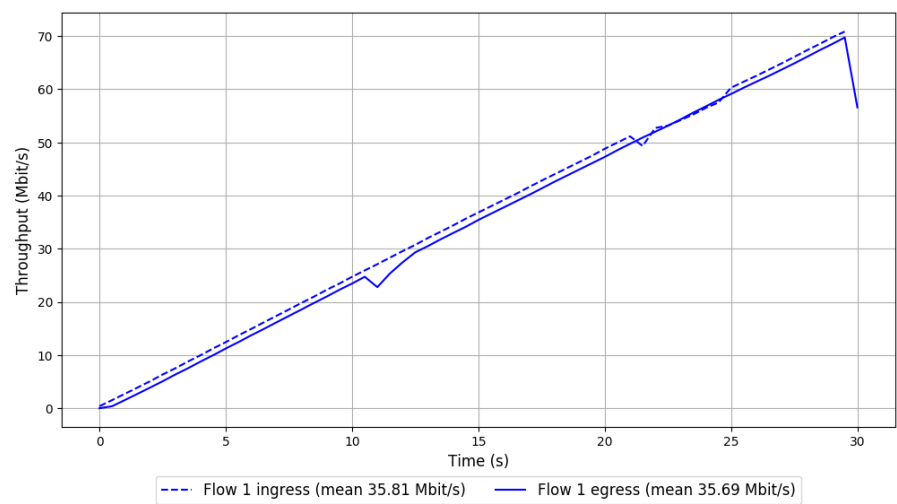


Run 5: Statistics of LEDBAT

Start at: 2018-08-03 20:16:22
End at: 2018-08-03 20:16:52
Local clock offset: -0.217 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 51.969 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 51.969 ms
Loss rate: 0.67%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-03 20:38:27

End at: 2018-08-03 20:38:57

Local clock offset: 0.155 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-03 23:35:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 52.813 ms

Loss rate: 0.68%

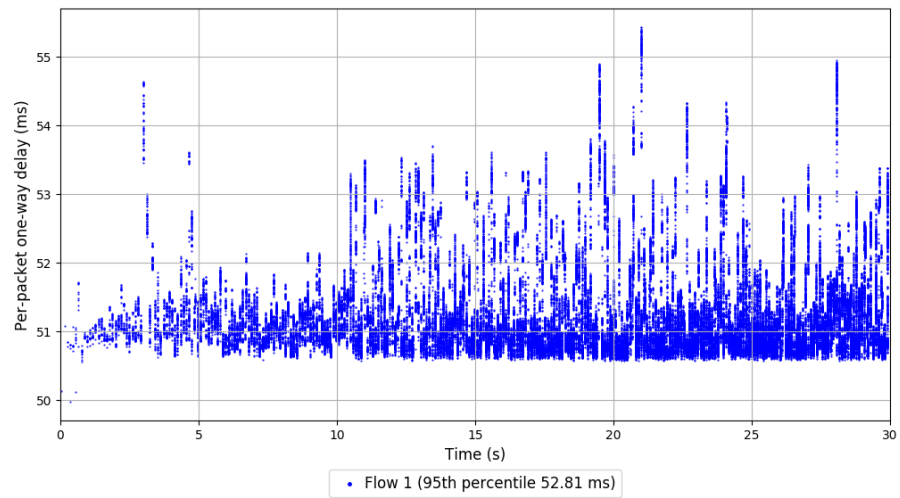
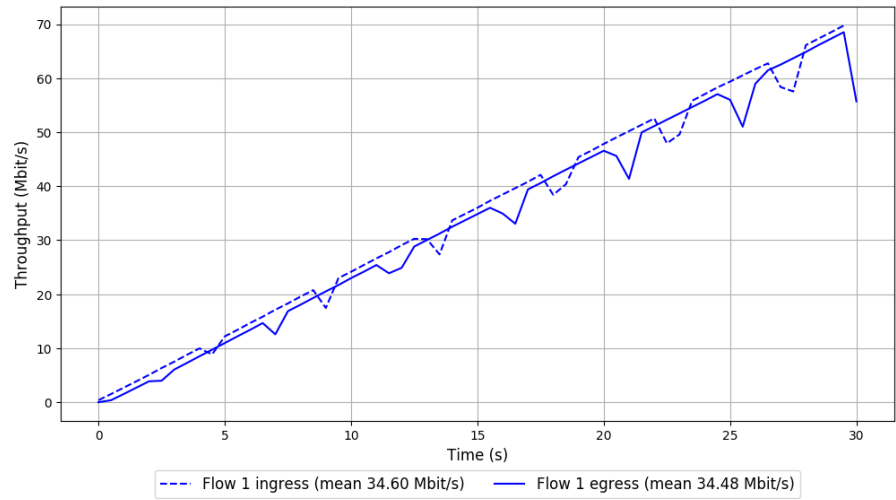
-- Flow 1:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 52.813 ms

Loss rate: 0.68%

Run 6: Report of LEDBAT — Data Link

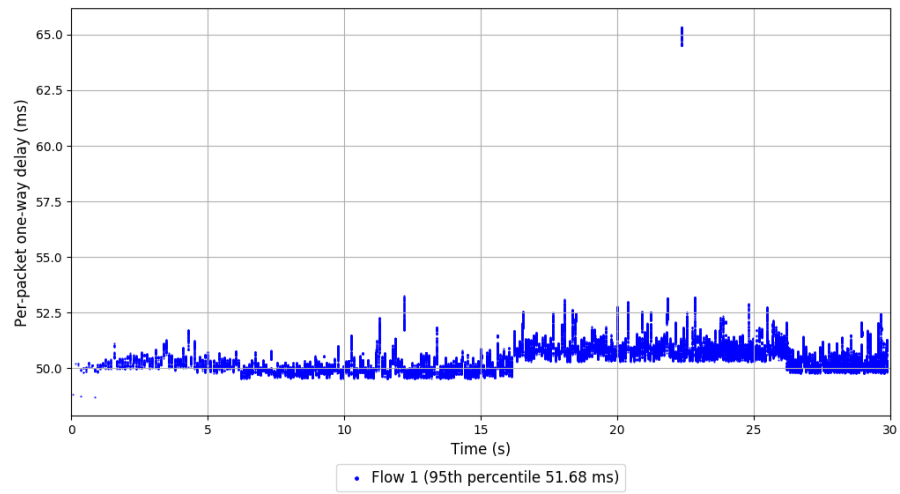
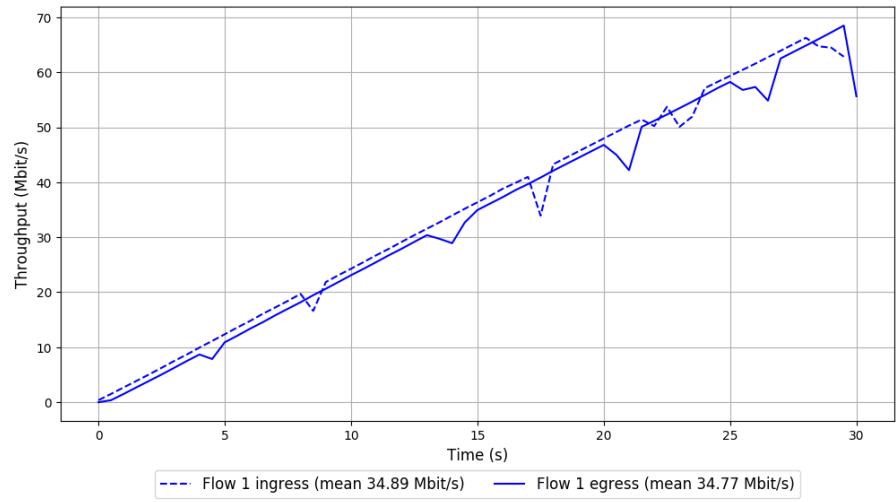


Run 7: Statistics of LEDBAT

Start at: 2018-08-03 21:00:25
End at: 2018-08-03 21:00:55
Local clock offset: -0.238 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 51.682 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 51.682 ms
Loss rate: 0.67%

Run 7: Report of LEDBAT — Data Link

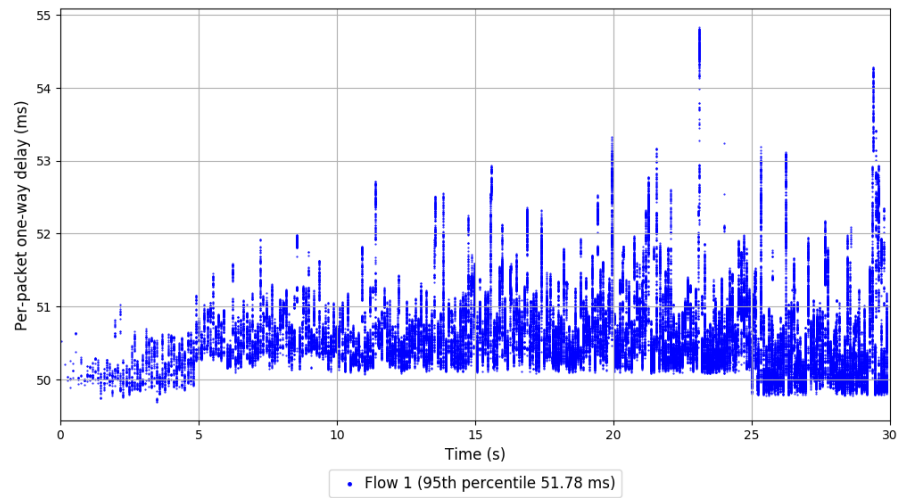
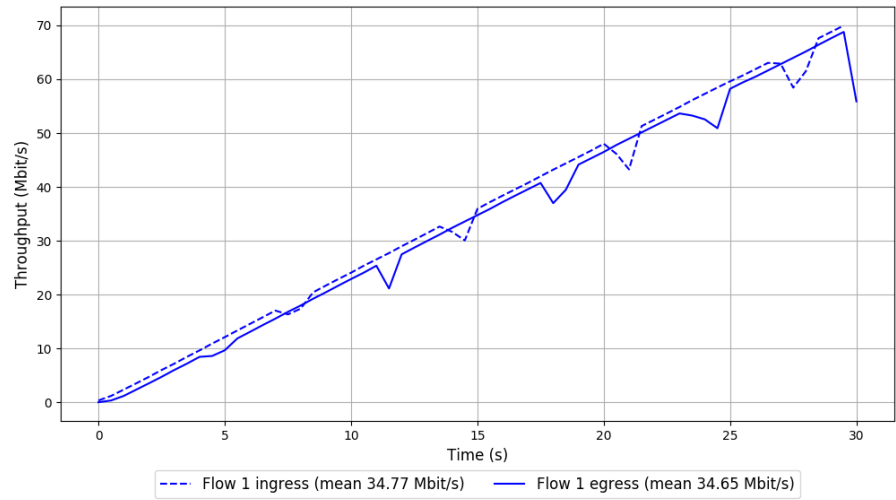


Run 8: Statistics of LEDBAT

Start at: 2018-08-03 21:22:26
End at: 2018-08-03 21:22:56
Local clock offset: 0.159 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 51.778 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 51.778 ms
Loss rate: 0.68%

Run 8: Report of LEDBAT — Data Link

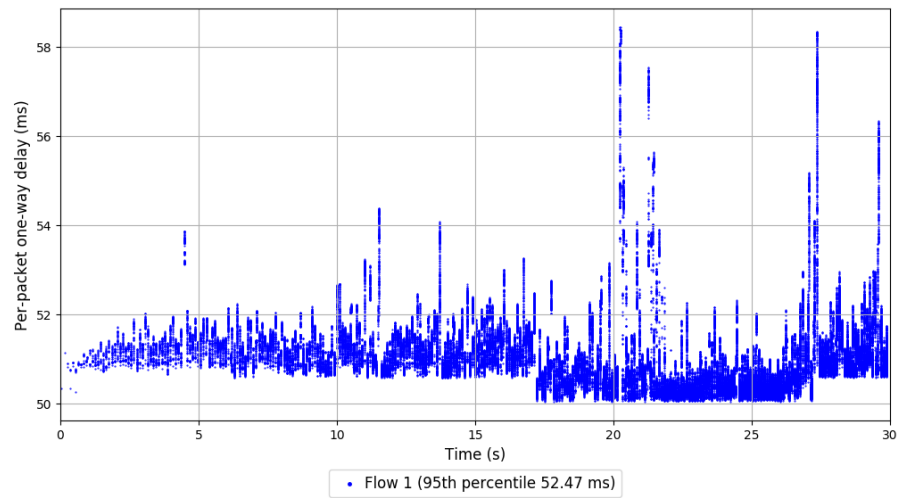
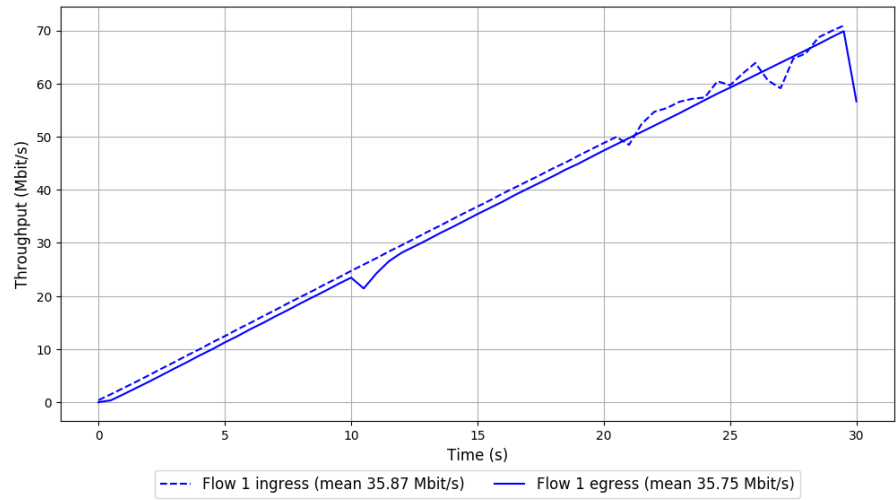


Run 9: Statistics of LEDBAT

Start at: 2018-08-03 21:44:34
End at: 2018-08-03 21:45:04
Local clock offset: 0.129 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 52.466 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 52.466 ms
Loss rate: 0.66%

Run 9: Report of LEDBAT — Data Link

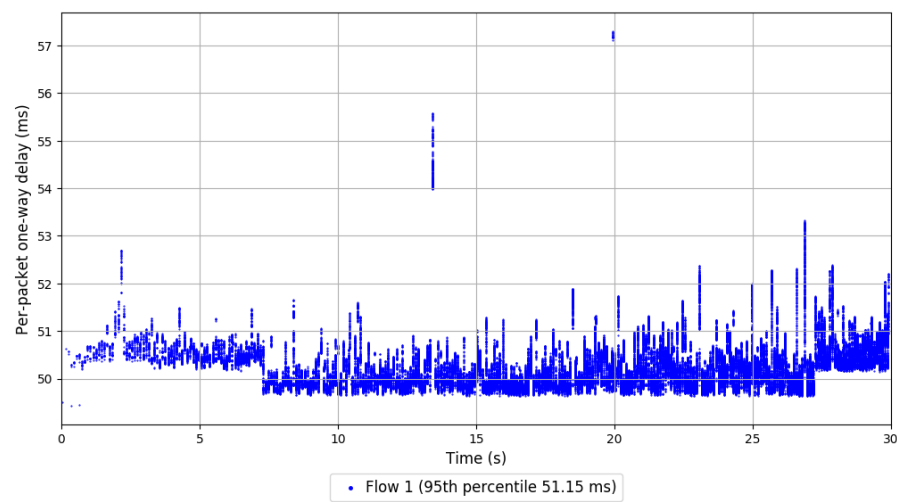
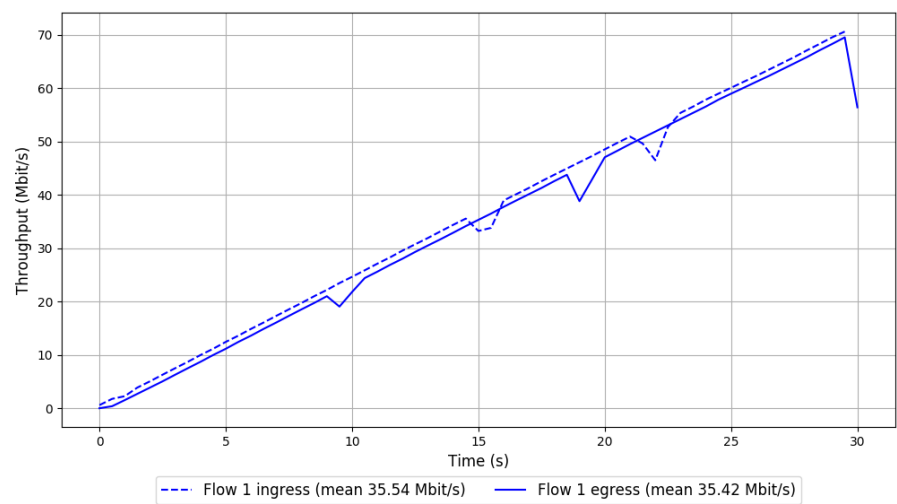


Run 10: Statistics of LEDBAT

Start at: 2018-08-03 22:06:34
End at: 2018-08-03 22:07:04
Local clock offset: -0.337 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-03 23:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 51.148 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 51.148 ms
Loss rate: 0.67%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-03 18:33:00

End at: 2018-08-03 18:33:30

Local clock offset: 0.038 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-08-03 23:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.77 Mbit/s

95th percentile per-packet one-way delay: 178.224 ms

Loss rate: 0.77%

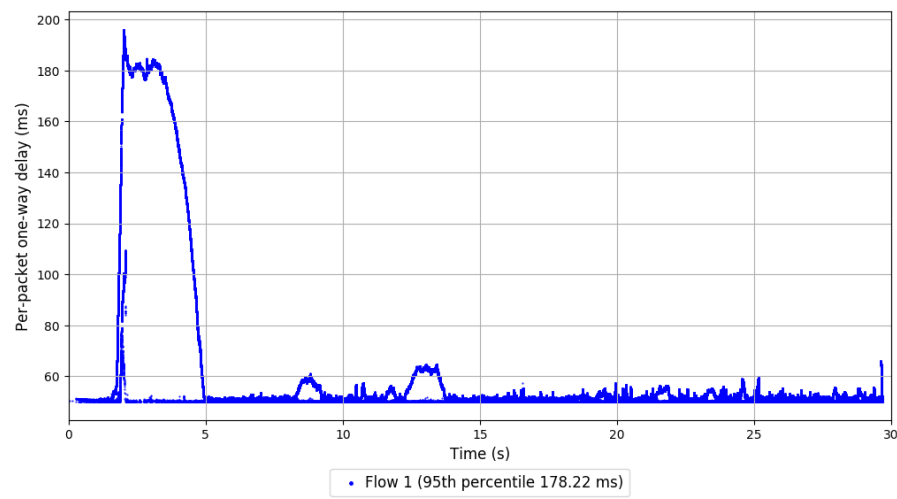
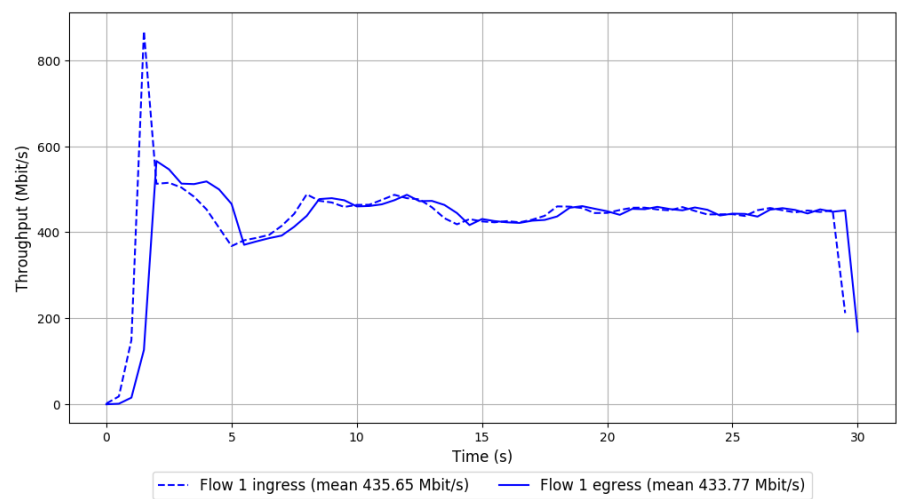
-- Flow 1:

Average throughput: 433.77 Mbit/s

95th percentile per-packet one-way delay: 178.224 ms

Loss rate: 0.77%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-03 18:54:42

End at: 2018-08-03 18:55:12

Local clock offset: 0.009 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-03 23:36:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.08 Mbit/s

95th percentile per-packet one-way delay: 114.981 ms

Loss rate: 0.38%

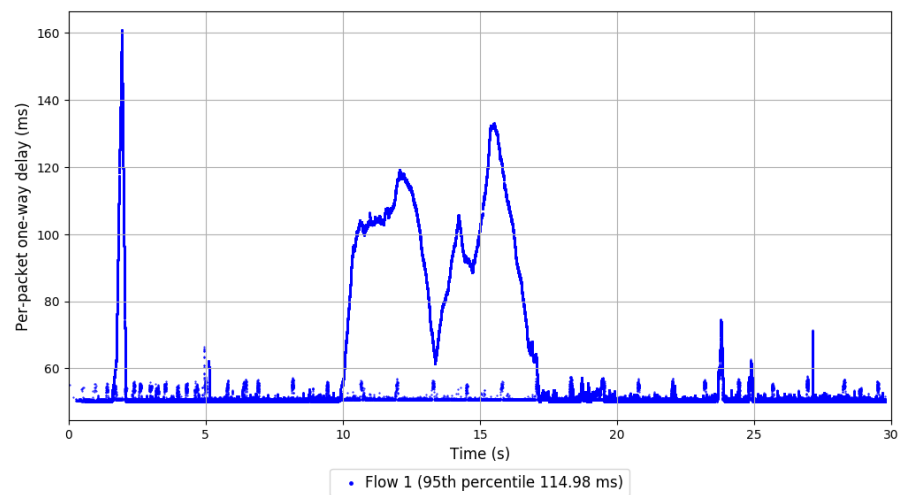
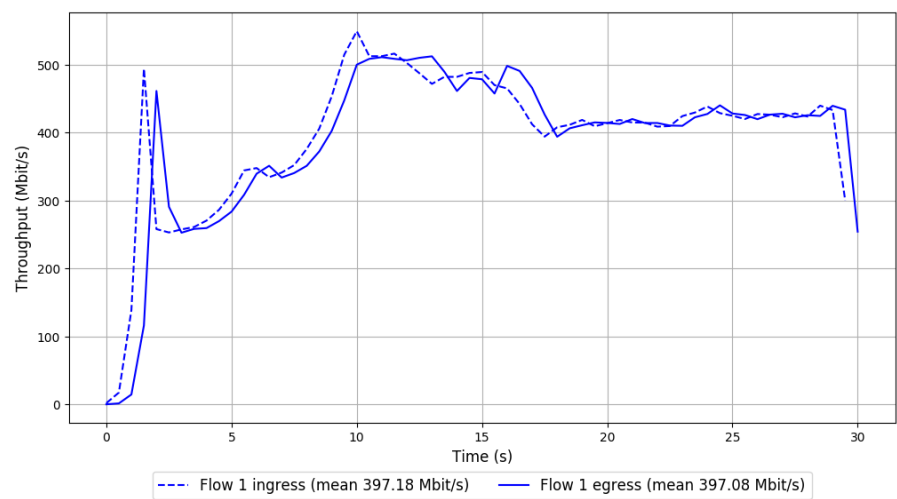
-- Flow 1:

Average throughput: 397.08 Mbit/s

95th percentile per-packet one-way delay: 114.981 ms

Loss rate: 0.38%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-03 19:16:42

End at: 2018-08-03 19:17:12

Local clock offset: -0.319 ms

Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-03 23:37:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 472.66 Mbit/s

95th percentile per-packet one-way delay: 180.324 ms

Loss rate: 0.63%

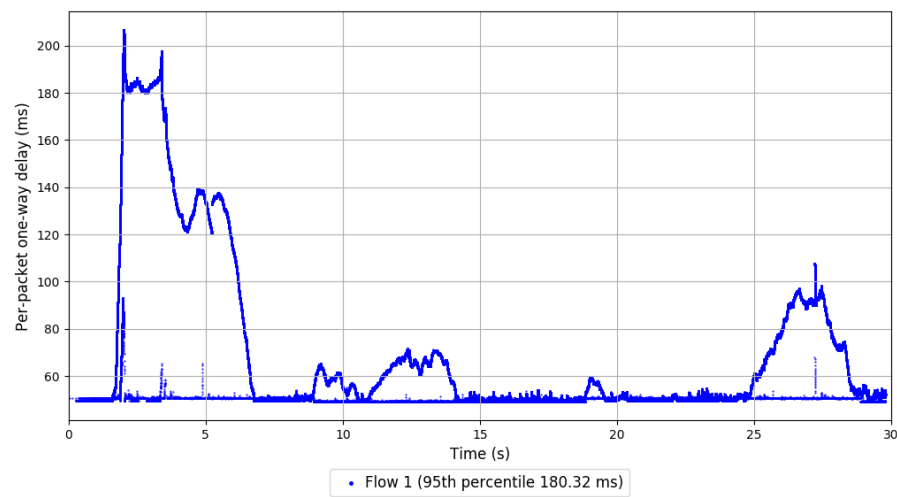
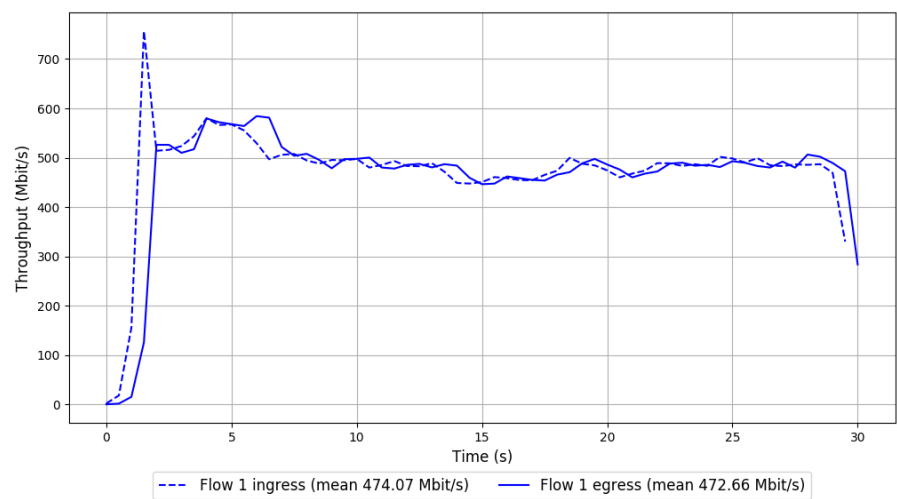
-- Flow 1:

Average throughput: 472.66 Mbit/s

95th percentile per-packet one-way delay: 180.324 ms

Loss rate: 0.63%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-03 19:38:48

End at: 2018-08-03 19:39:18

Local clock offset: 0.175 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-03 23:37:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.22 Mbit/s

95th percentile per-packet one-way delay: 60.426 ms

Loss rate: 0.45%

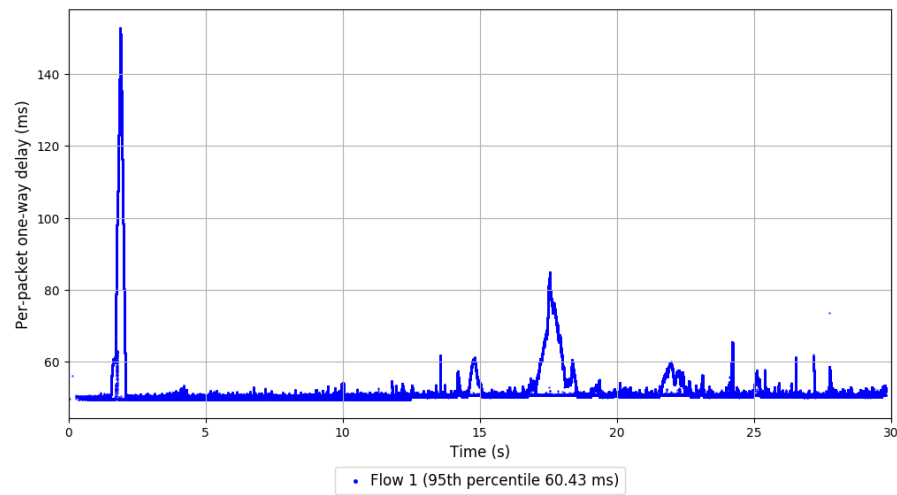
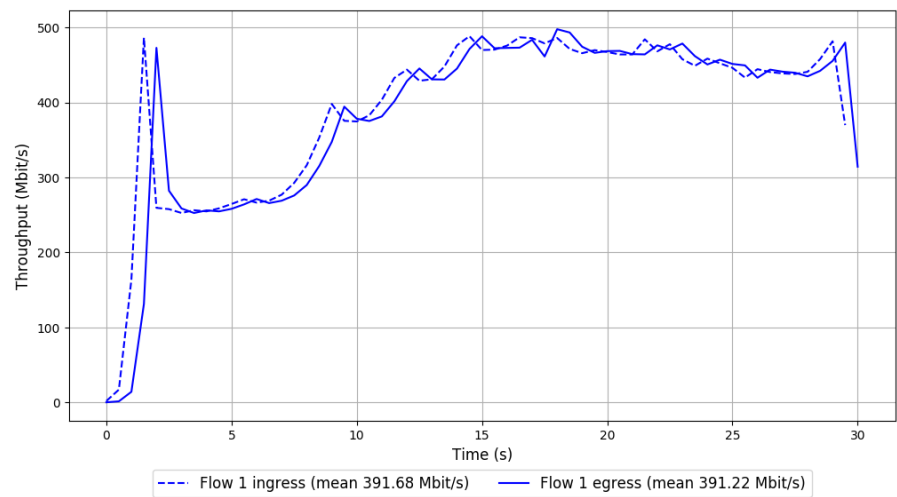
-- Flow 1:

Average throughput: 391.22 Mbit/s

95th percentile per-packet one-way delay: 60.426 ms

Loss rate: 0.45%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-03 20:00:44

End at: 2018-08-03 20:01:14

Local clock offset: 0.153 ms

Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-03 23:41:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.05 Mbit/s

95th percentile per-packet one-way delay: 113.174 ms

Loss rate: 0.44%

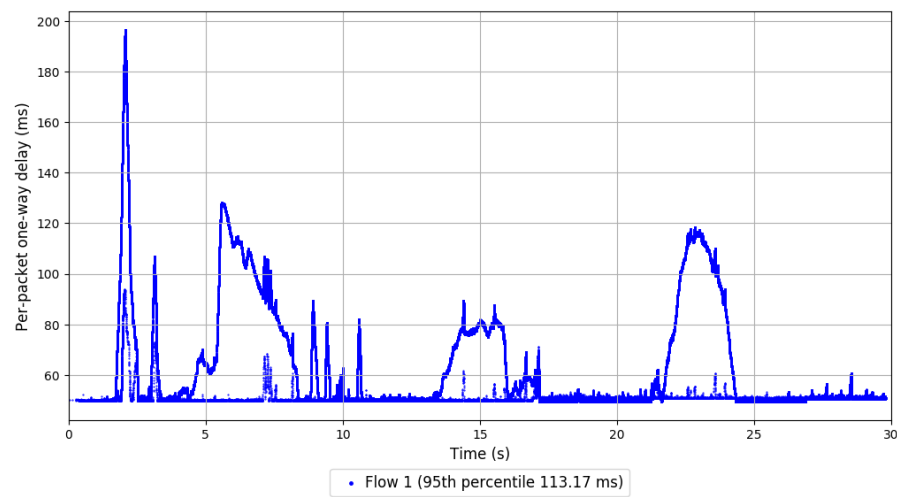
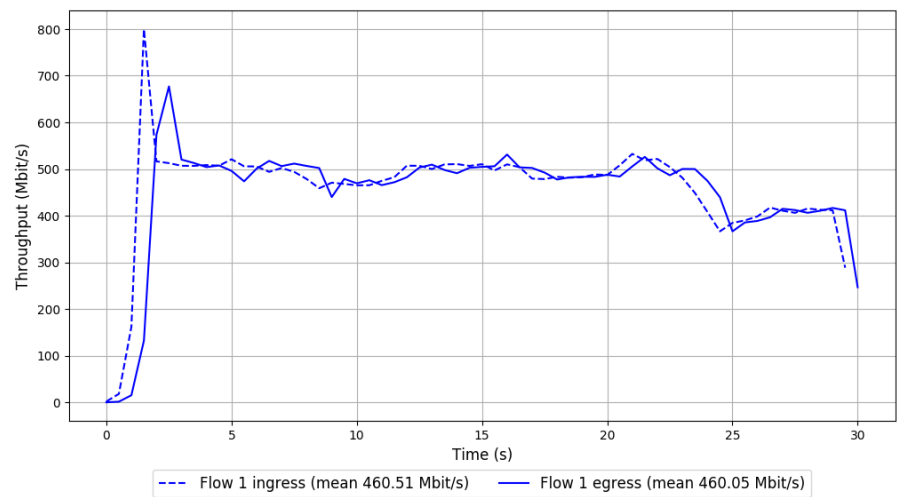
-- Flow 1:

Average throughput: 460.05 Mbit/s

95th percentile per-packet one-way delay: 113.174 ms

Loss rate: 0.44%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-03 20:22:28

End at: 2018-08-03 20:22:58

Local clock offset: 0.198 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-03 23:42:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.30 Mbit/s

95th percentile per-packet one-way delay: 155.909 ms

Loss rate: 0.71%

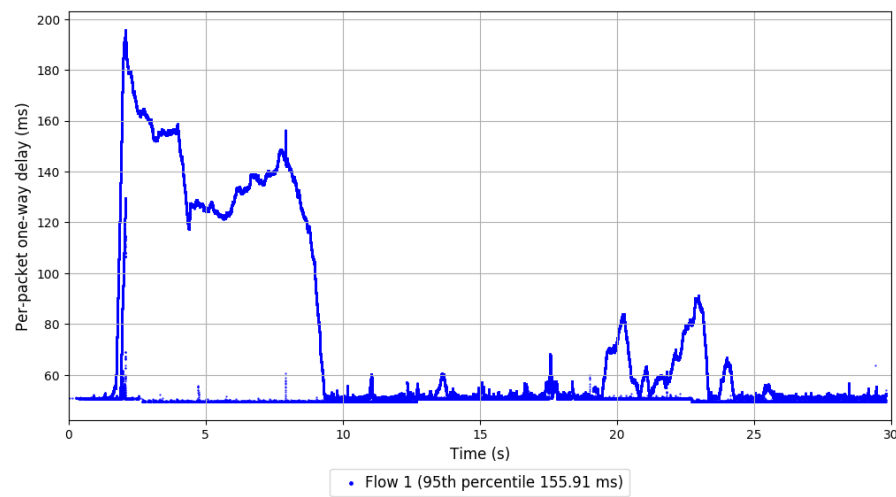
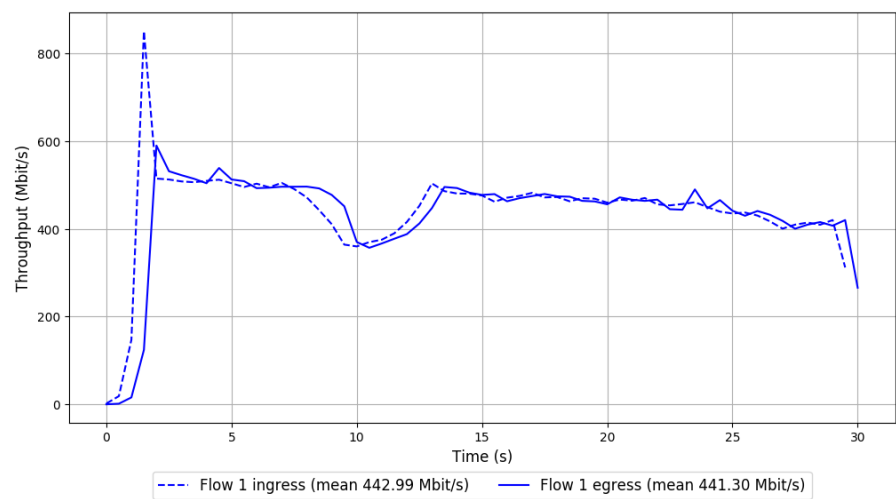
-- Flow 1:

Average throughput: 441.30 Mbit/s

95th percentile per-packet one-way delay: 155.909 ms

Loss rate: 0.71%

Run 6: Report of PCC-Allegro — Data Link

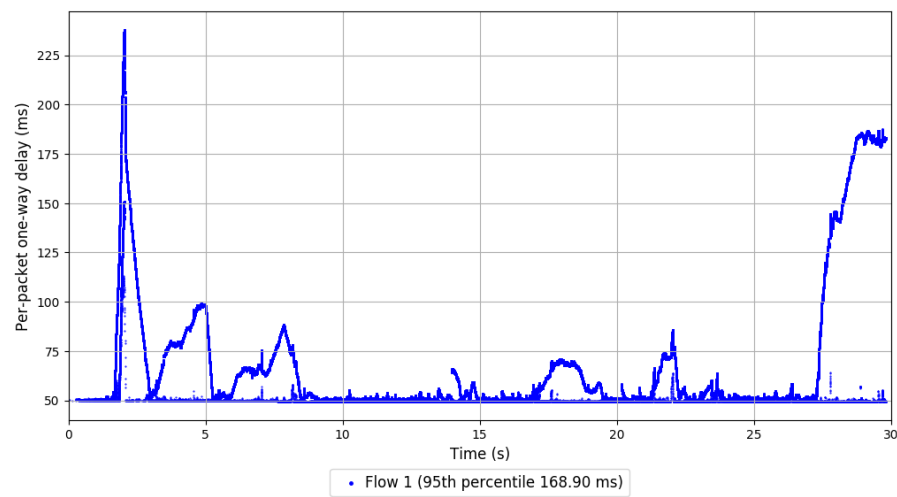
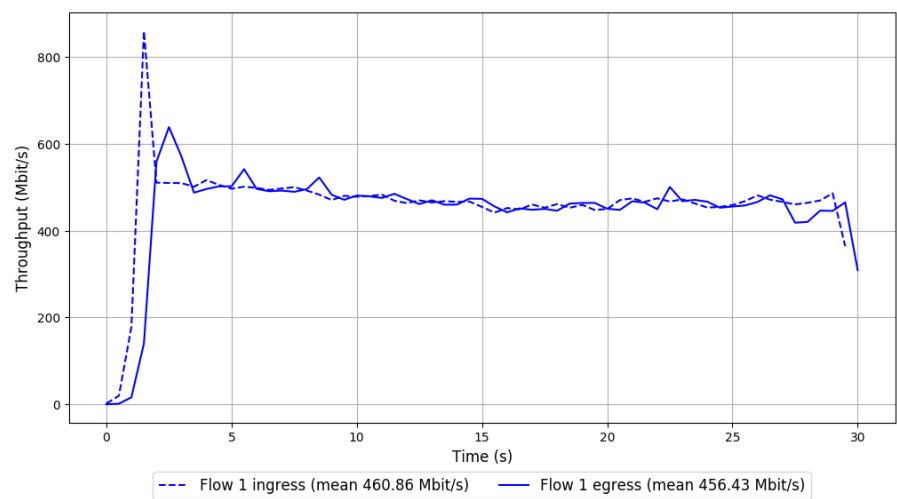


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-03 20:44:33
End at: 2018-08-03 20:45:03
Local clock offset: -0.254 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 23:43:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 456.43 Mbit/s
95th percentile per-packet one-way delay: 168.895 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 456.43 Mbit/s
95th percentile per-packet one-way delay: 168.895 ms
Loss rate: 1.29%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-03 21:06:33

End at: 2018-08-03 21:07:03

Local clock offset: 0.458 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-08-03 23:45:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.31 Mbit/s

95th percentile per-packet one-way delay: 183.432 ms

Loss rate: 2.27%

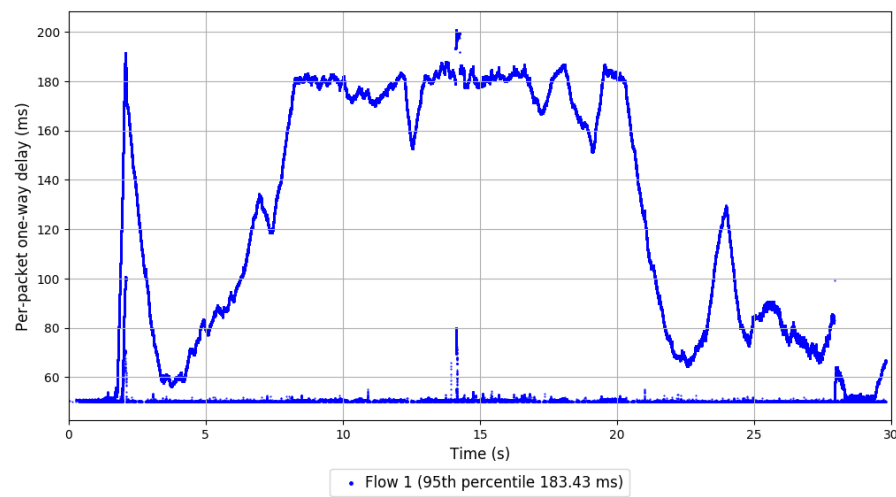
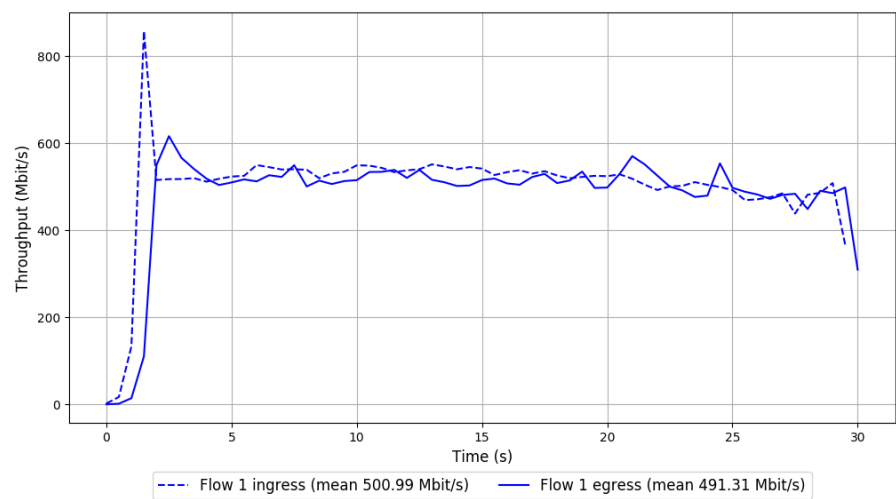
-- Flow 1:

Average throughput: 491.31 Mbit/s

95th percentile per-packet one-way delay: 183.432 ms

Loss rate: 2.27%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-03 21:28:34

End at: 2018-08-03 21:29:04

Local clock offset: -0.196 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-03 23:46:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.77 Mbit/s

95th percentile per-packet one-way delay: 181.931 ms

Loss rate: 0.75%

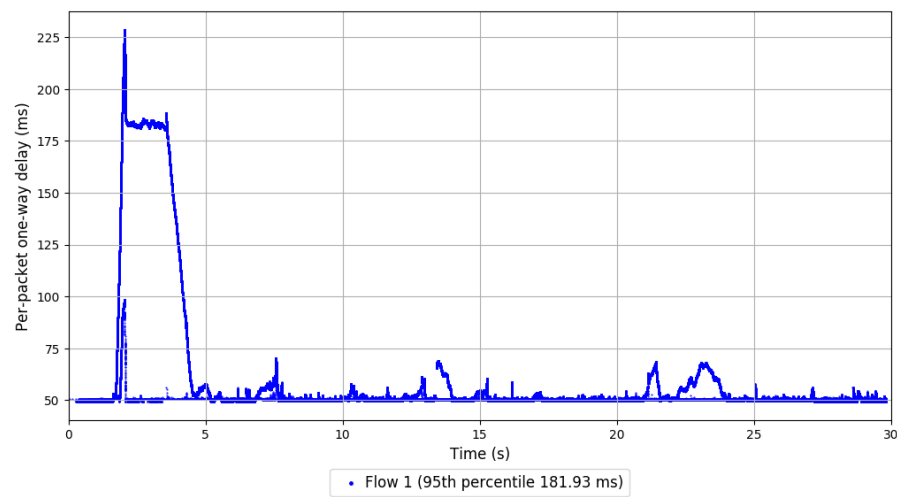
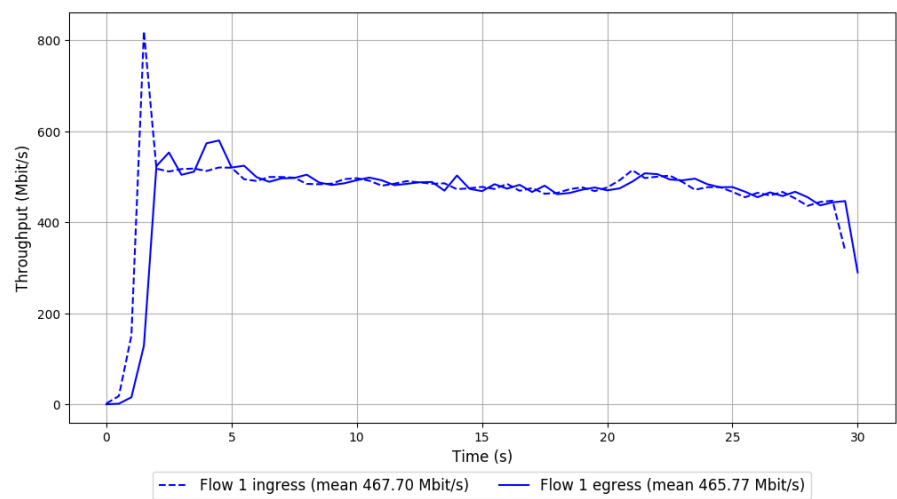
-- Flow 1:

Average throughput: 465.77 Mbit/s

95th percentile per-packet one-way delay: 181.931 ms

Loss rate: 0.75%

Run 9: Report of PCC-Allegro — Data Link

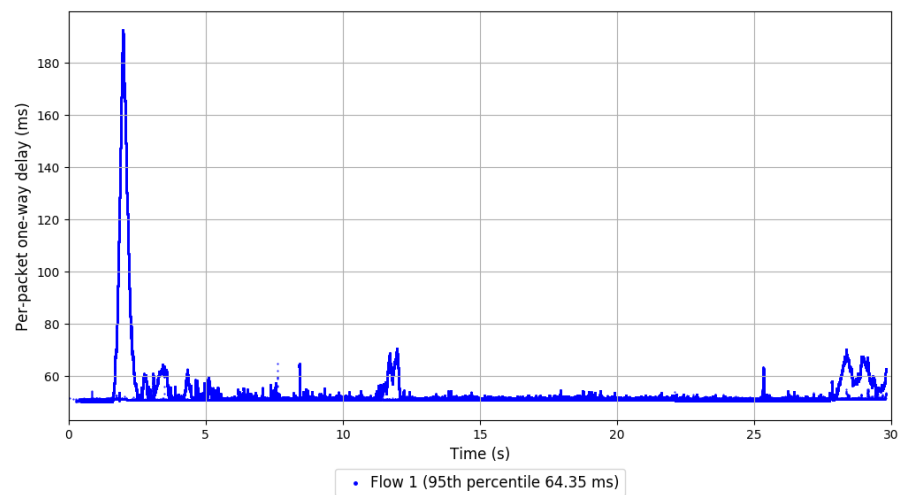
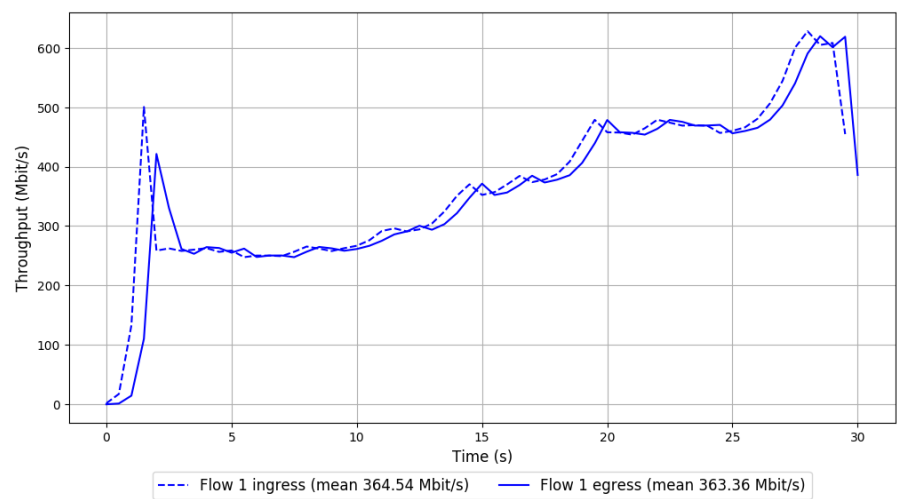


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-03 21:50:39
End at: 2018-08-03 21:51:09
Local clock offset: 0.458 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-03 23:46:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.36 Mbit/s
95th percentile per-packet one-way delay: 64.352 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 363.36 Mbit/s
95th percentile per-packet one-way delay: 64.352 ms
Loss rate: 0.66%

Run 10: Report of PCC-Allegro — Data Link

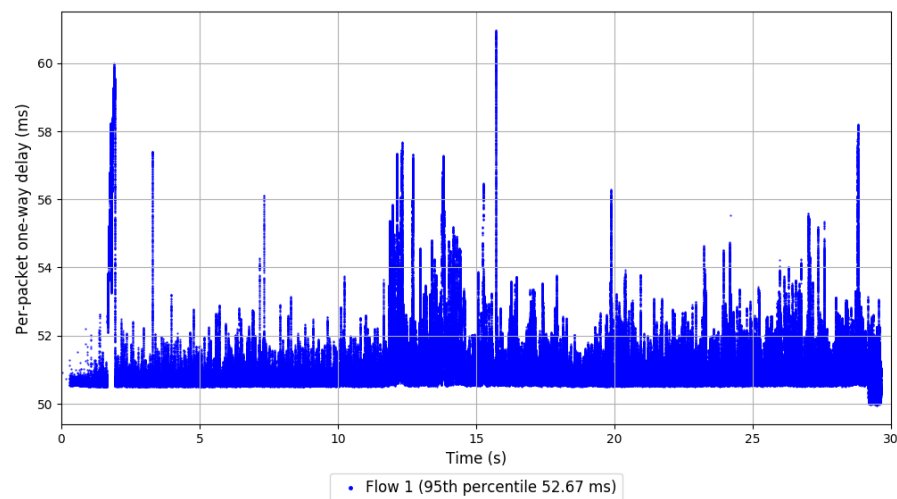
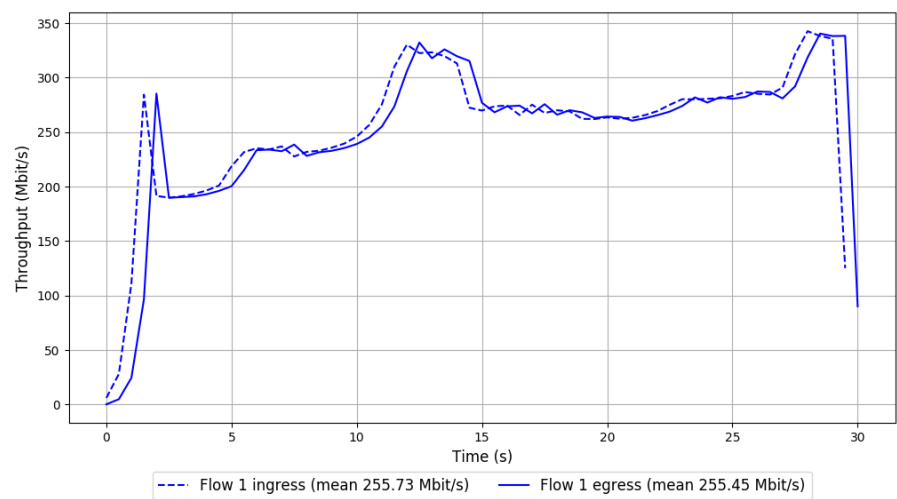


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-03 18:36:52
End at: 2018-08-03 18:37:22
Local clock offset: -0.018 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-08-03 23:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.45 Mbit/s
95th percentile per-packet one-way delay: 52.669 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 255.45 Mbit/s
95th percentile per-packet one-way delay: 52.669 ms
Loss rate: 0.45%
```


Run 1: Report of PCC-Expr — Data Link

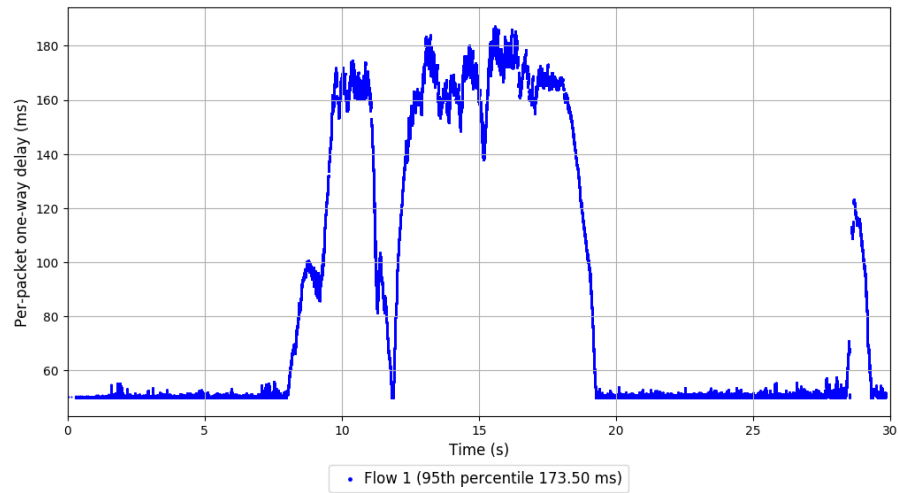
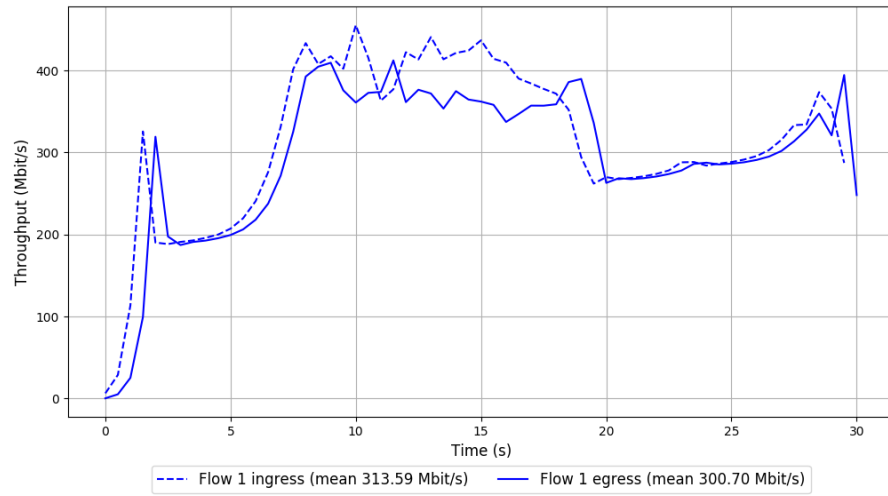


Run 2: Statistics of PCC-Expr

Start at: 2018-08-03 18:58:32
End at: 2018-08-03 18:59:02
Local clock offset: 0.041 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-03 23:50:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.70 Mbit/s
95th percentile per-packet one-way delay: 173.505 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 300.70 Mbit/s
95th percentile per-packet one-way delay: 173.505 ms
Loss rate: 4.44%

Run 2: Report of PCC-Expr — Data Link

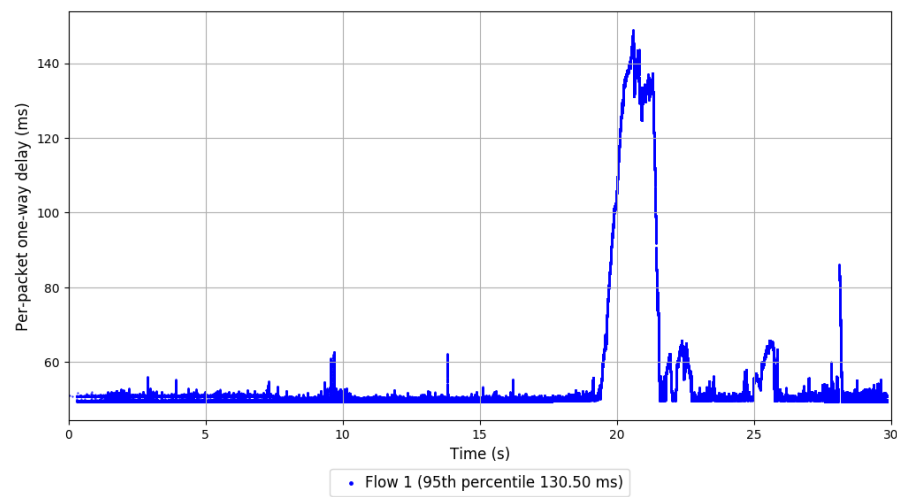
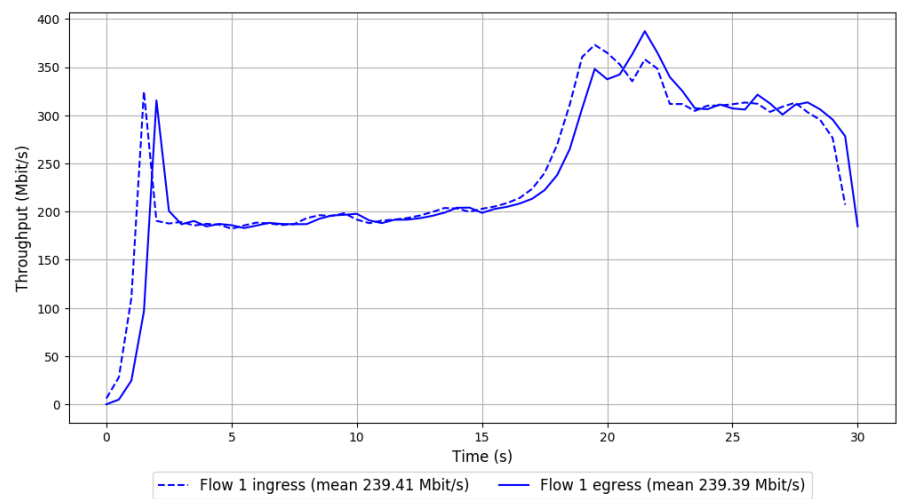


Run 3: Statistics of PCC-Expr

Start at: 2018-08-03 19:20:33
End at: 2018-08-03 19:21:03
Local clock offset: 0.034 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-03 23:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.39 Mbit/s
95th percentile per-packet one-way delay: 130.503 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 239.39 Mbit/s
95th percentile per-packet one-way delay: 130.503 ms
Loss rate: 0.34%

Run 3: Report of PCC-Expr — Data Link

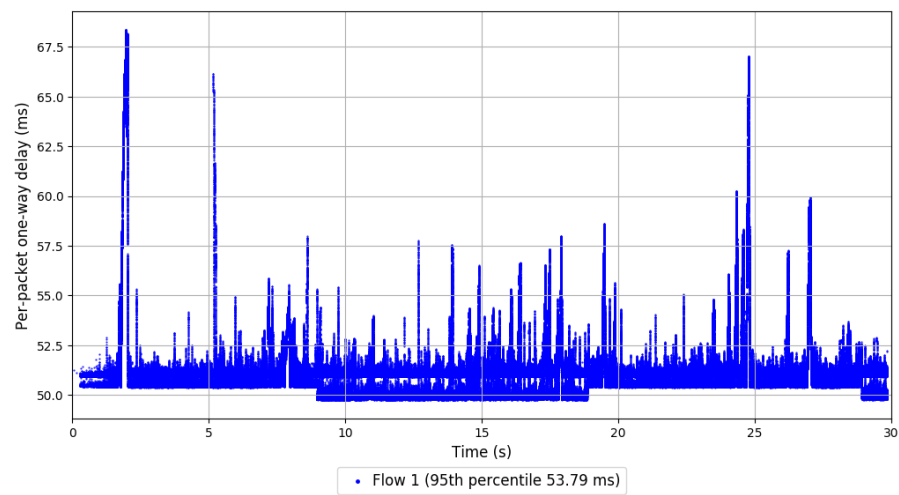
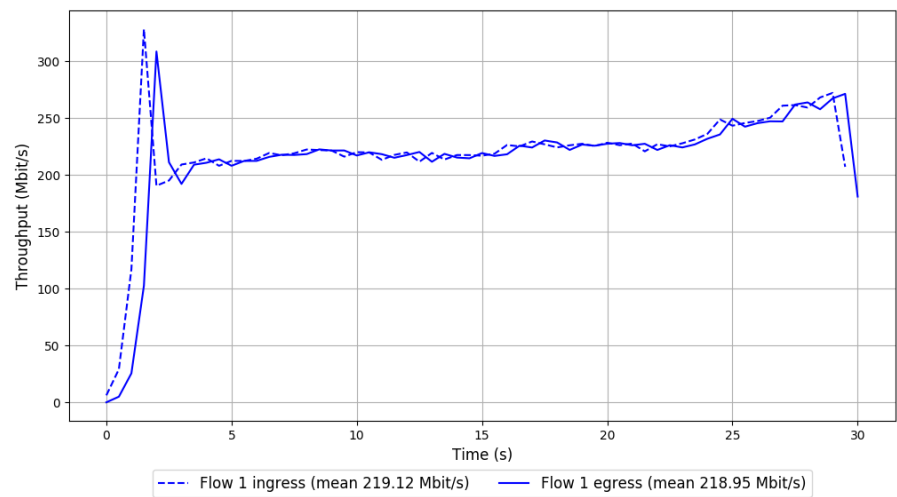


Run 4: Statistics of PCC-Expr

Start at: 2018-08-03 19:42:42
End at: 2018-08-03 19:43:12
Local clock offset: 0.431 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-03 23:51:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.95 Mbit/s
95th percentile per-packet one-way delay: 53.793 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 218.95 Mbit/s
95th percentile per-packet one-way delay: 53.793 ms
Loss rate: 0.41%

Run 4: Report of PCC-Expr — Data Link

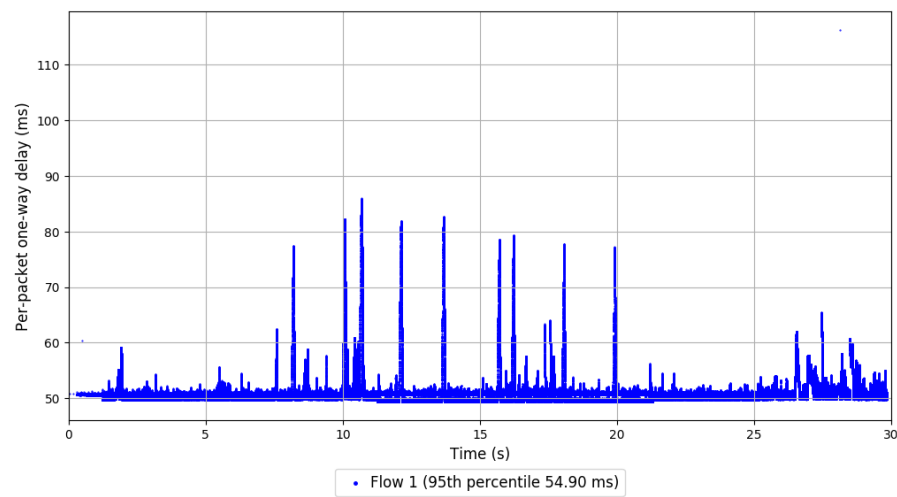
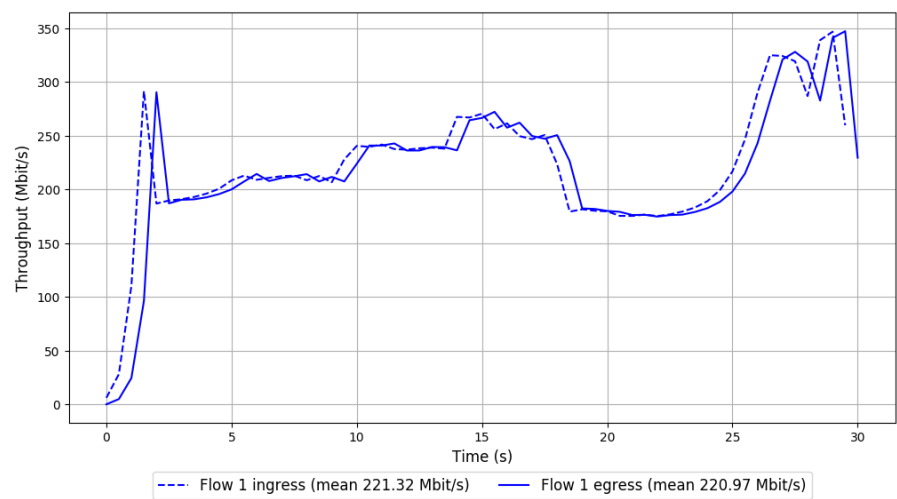


Run 5: Statistics of PCC-Expr

Start at: 2018-08-03 20:04:30
End at: 2018-08-03 20:05:00
Local clock offset: 0.105 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-03 23:51:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.97 Mbit/s
95th percentile per-packet one-way delay: 54.899 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 220.97 Mbit/s
95th percentile per-packet one-way delay: 54.899 ms
Loss rate: 0.50%

Run 5: Report of PCC-Expr — Data Link

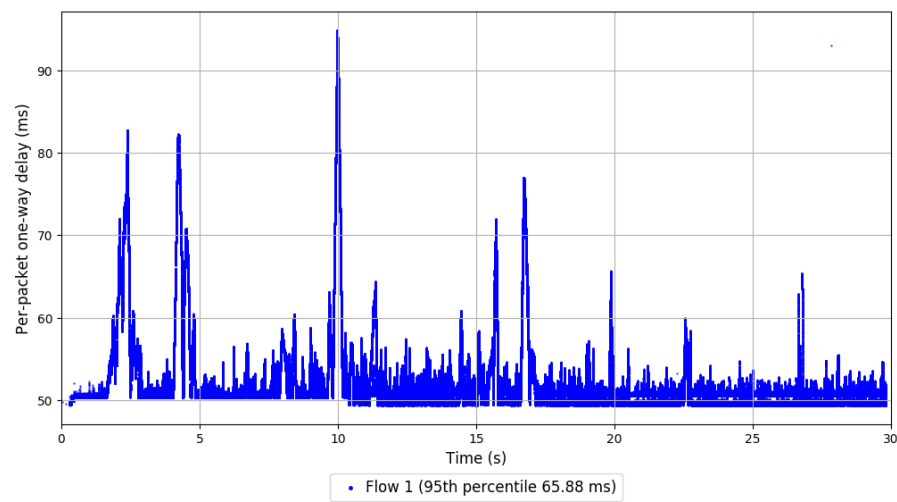
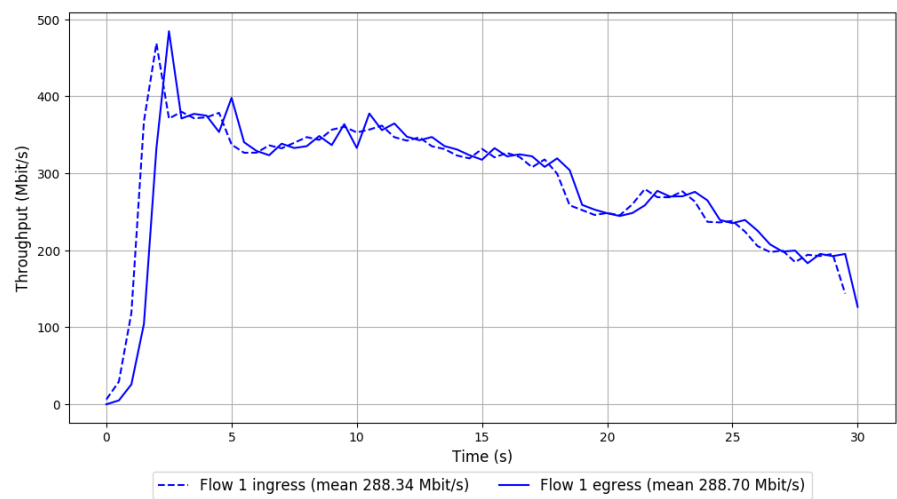


Run 6: Statistics of PCC-Expr

Start at: 2018-08-03 20:26:21
End at: 2018-08-03 20:26:51
Local clock offset: 0.172 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-03 23:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.70 Mbit/s
95th percentile per-packet one-way delay: 65.878 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 288.70 Mbit/s
95th percentile per-packet one-way delay: 65.878 ms
Loss rate: 0.22%

Run 6: Report of PCC-Expr — Data Link

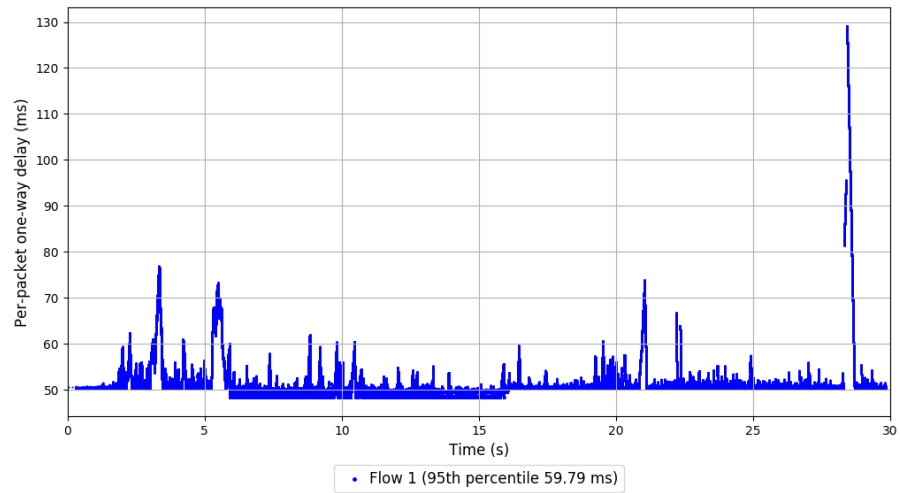
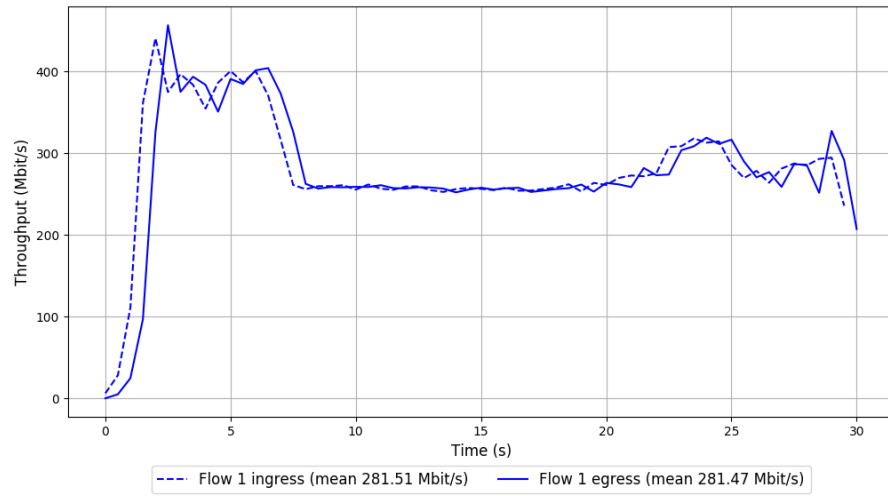


Run 7: Statistics of PCC-Expr

Start at: 2018-08-03 20:48:25
End at: 2018-08-03 20:48:55
Local clock offset: -0.27 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 23:57:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.47 Mbit/s
95th percentile per-packet one-way delay: 59.794 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 281.47 Mbit/s
95th percentile per-packet one-way delay: 59.794 ms
Loss rate: 0.35%

Run 7: Report of PCC-Expr — Data Link

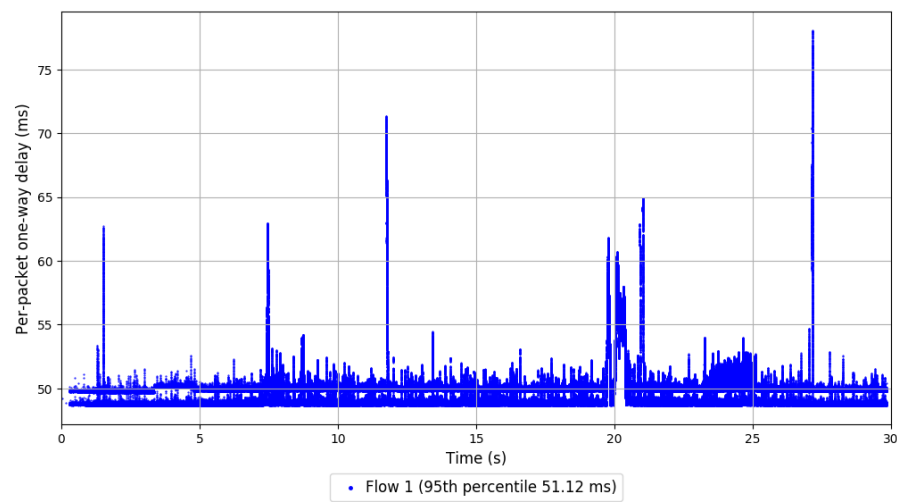
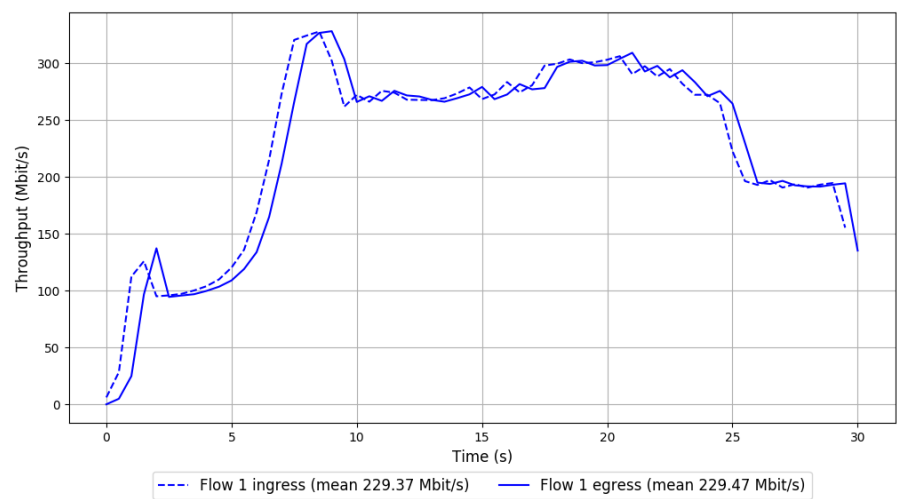


Run 8: Statistics of PCC-Expr

Start at: 2018-08-03 21:10:26
End at: 2018-08-03 21:10:56
Local clock offset: 0.102 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-03 23:57:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.47 Mbit/s
95th percentile per-packet one-way delay: 51.118 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 229.47 Mbit/s
95th percentile per-packet one-way delay: 51.118 ms
Loss rate: 0.29%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-03 21:32:30

End at: 2018-08-03 21:33:00

Local clock offset: 0.475 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-03 23:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.68 Mbit/s

95th percentile per-packet one-way delay: 57.155 ms

Loss rate: 0.33%

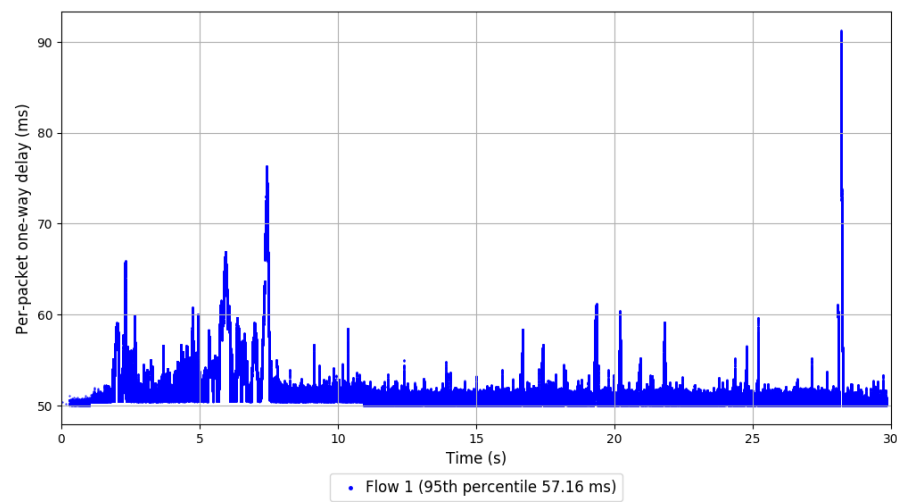
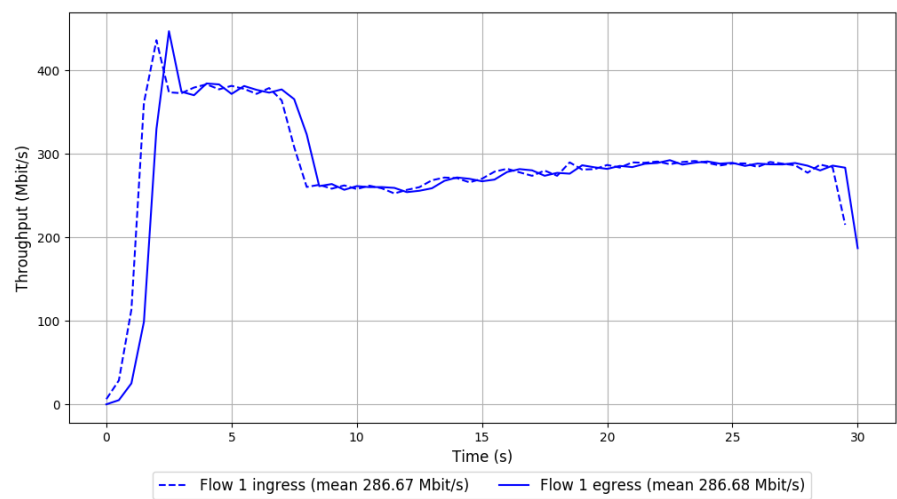
-- Flow 1:

Average throughput: 286.68 Mbit/s

95th percentile per-packet one-way delay: 57.155 ms

Loss rate: 0.33%

Run 9: Report of PCC-Expr — Data Link

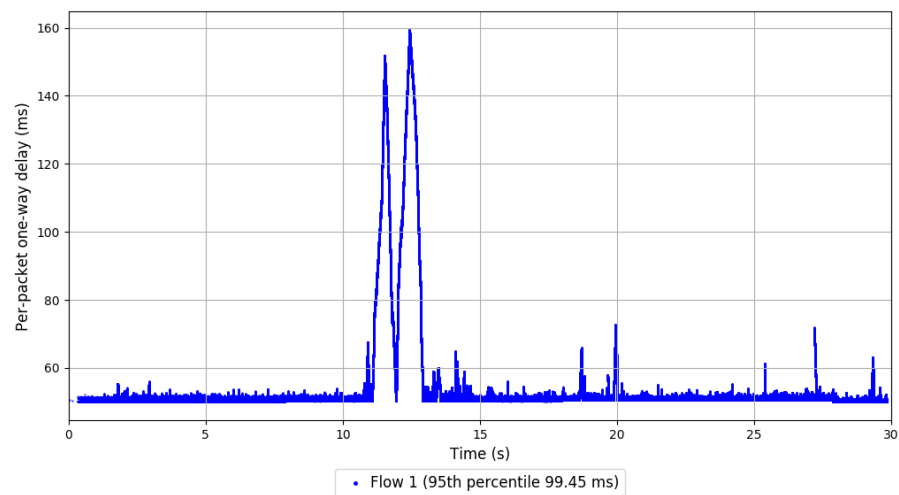
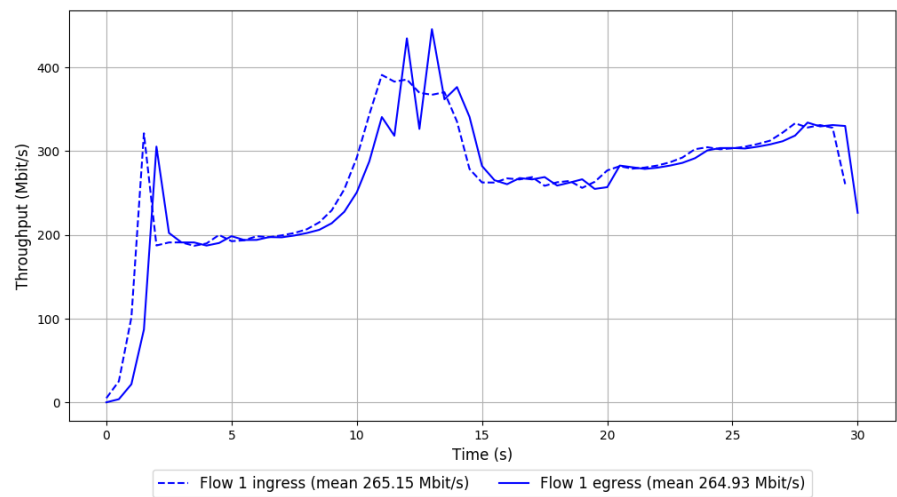


Run 10: Statistics of PCC-Expr

Start at: 2018-08-03 21:54:33
End at: 2018-08-03 21:55:03
Local clock offset: 0.45 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.93 Mbit/s
95th percentile per-packet one-way delay: 99.455 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 264.93 Mbit/s
95th percentile per-packet one-way delay: 99.455 ms
Loss rate: 0.42%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

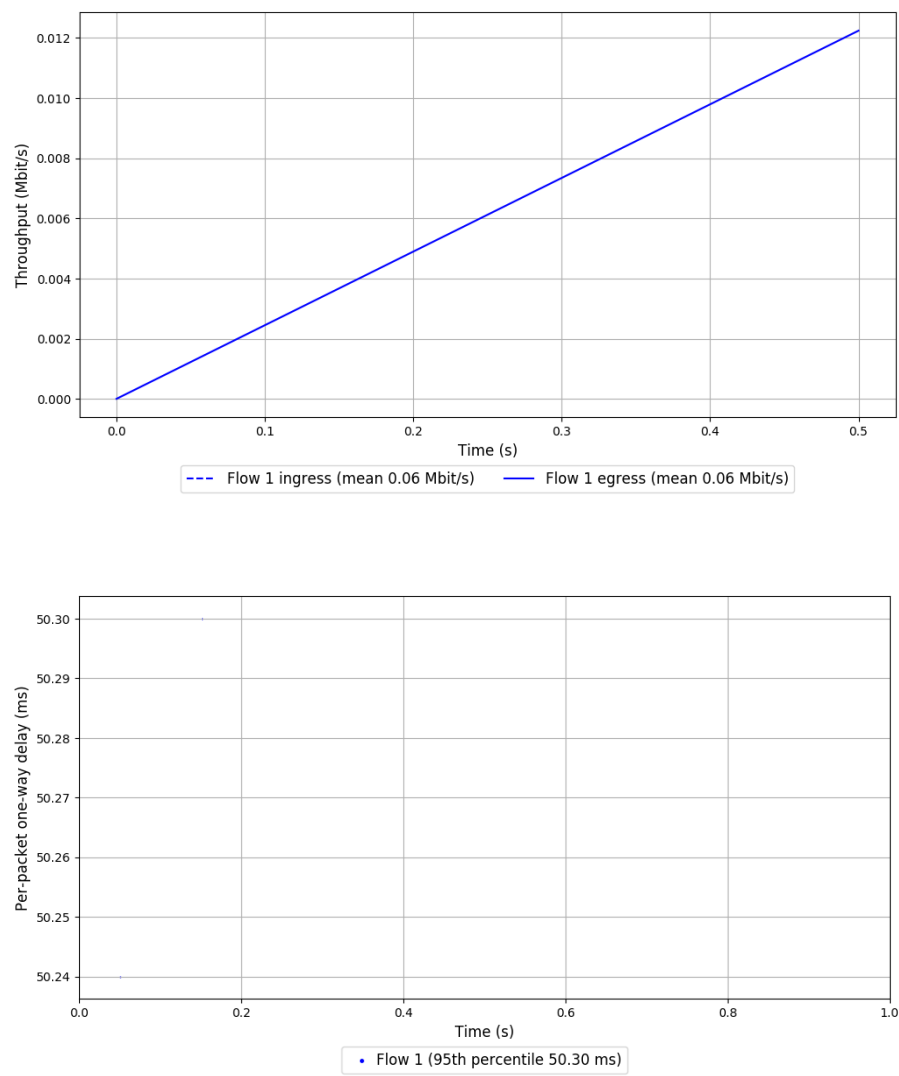
Start at: 2018-08-03 18:35:46

End at: 2018-08-03 18:36:16

Local clock offset: 0.024 ms

Remote clock offset: 0.002 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

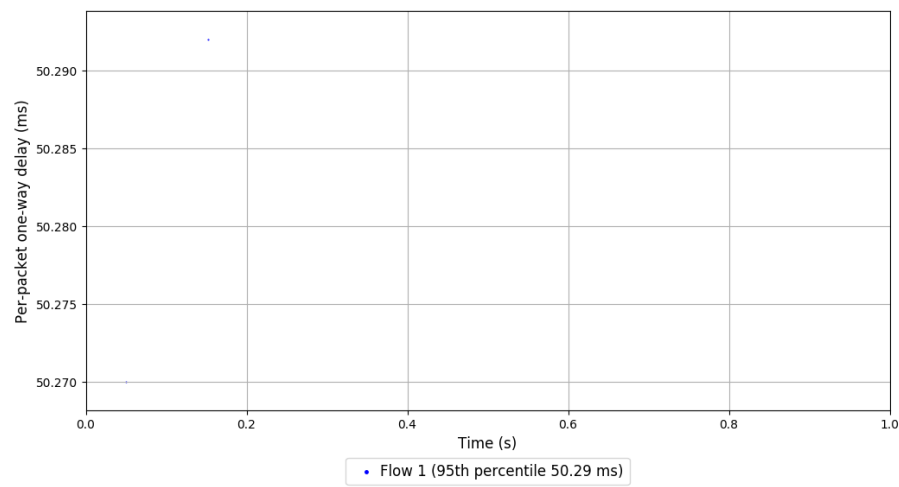
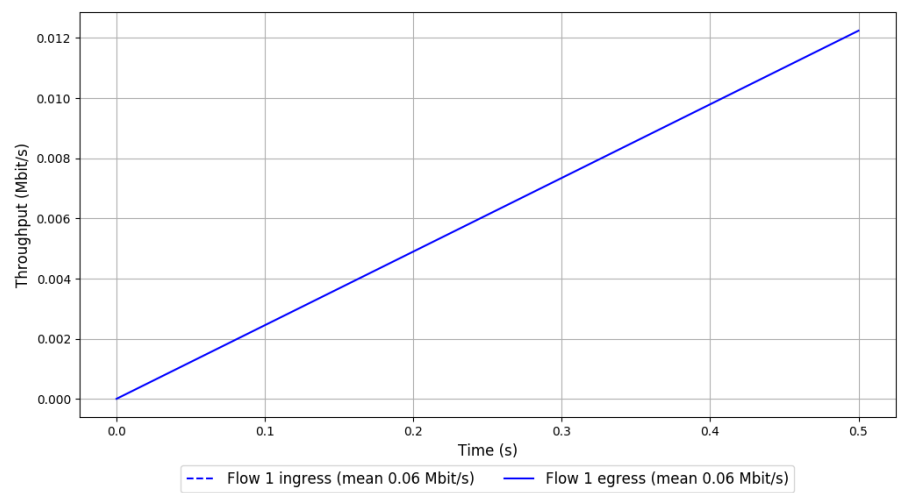
Start at: 2018-08-03 18:57:27

End at: 2018-08-03 18:57:57

Local clock offset: 0.045 ms

Remote clock offset: -0.076 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

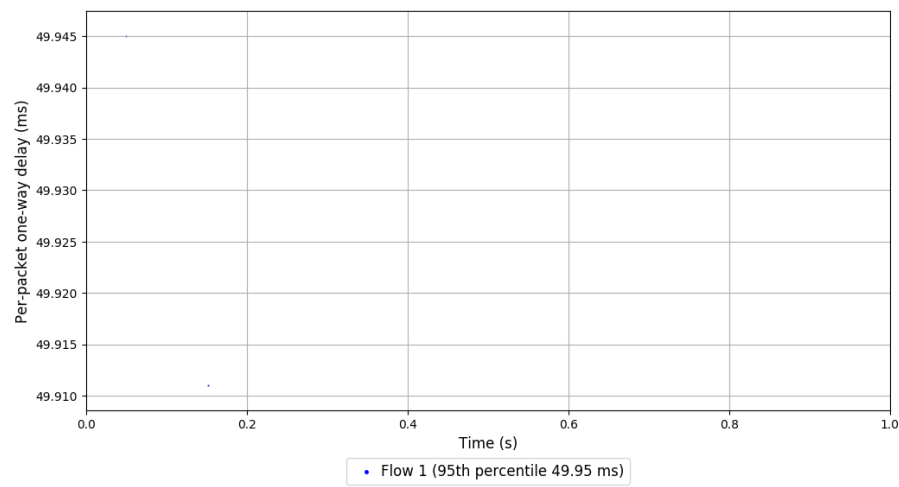
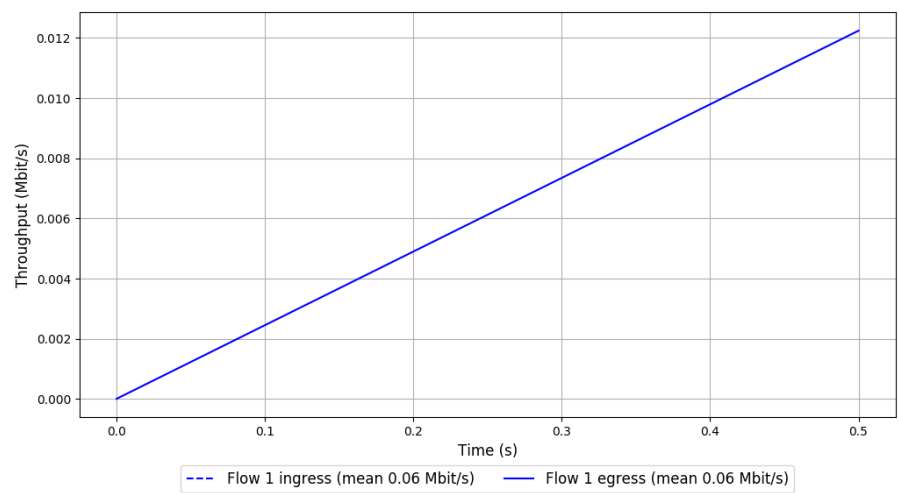
Start at: 2018-08-03 19:19:28

End at: 2018-08-03 19:19:58

Local clock offset: -0.312 ms

Remote clock offset: -0.155 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-03 19:41:34

End at: 2018-08-03 19:42:04

Local clock offset: 0.509 ms

Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-04 00:02:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 50.899 ms

Loss rate: 0.53%

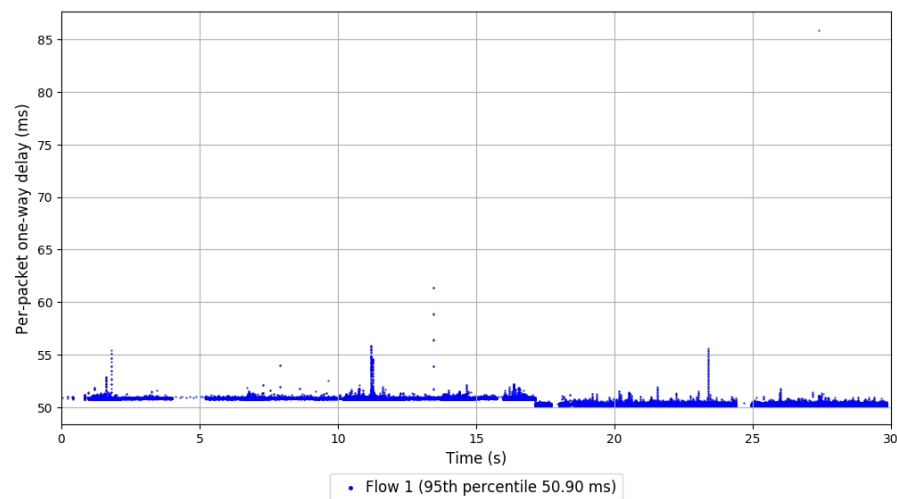
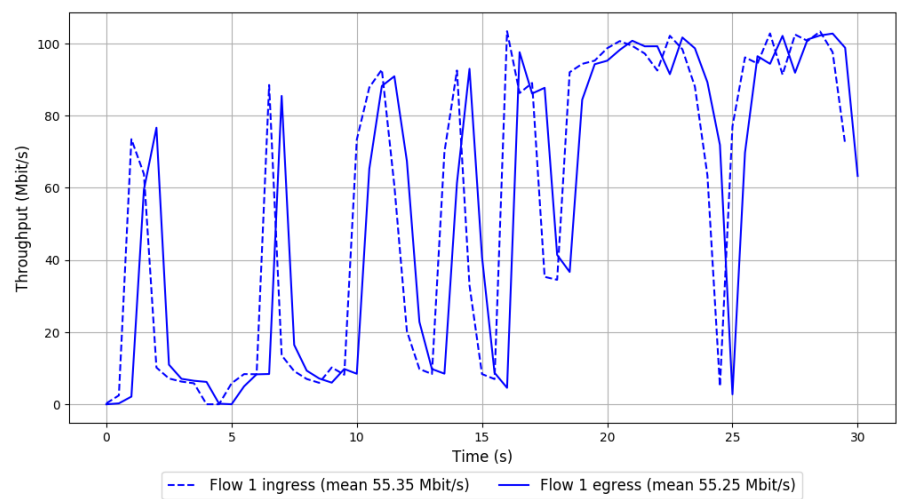
-- Flow 1:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 50.899 ms

Loss rate: 0.53%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

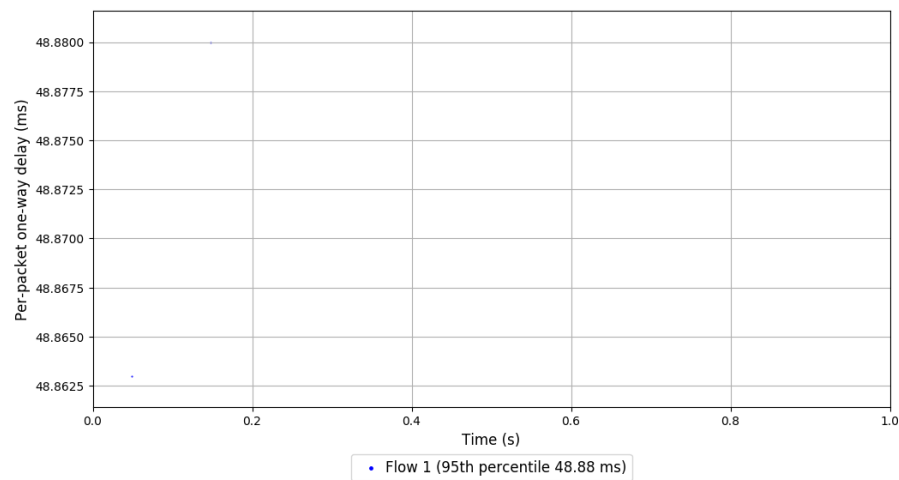
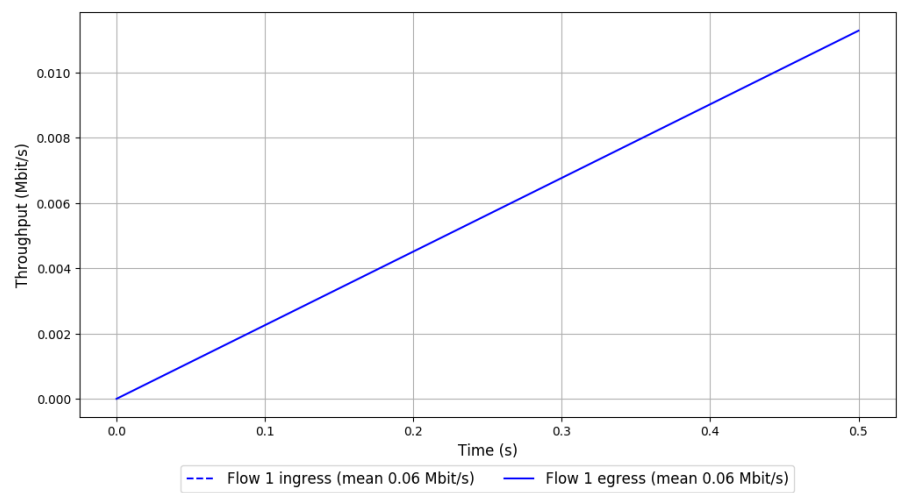
Start at: 2018-08-03 20:03:25

End at: 2018-08-03 20:03:55

Local clock offset: 0.131 ms

Remote clock offset: -0.067 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

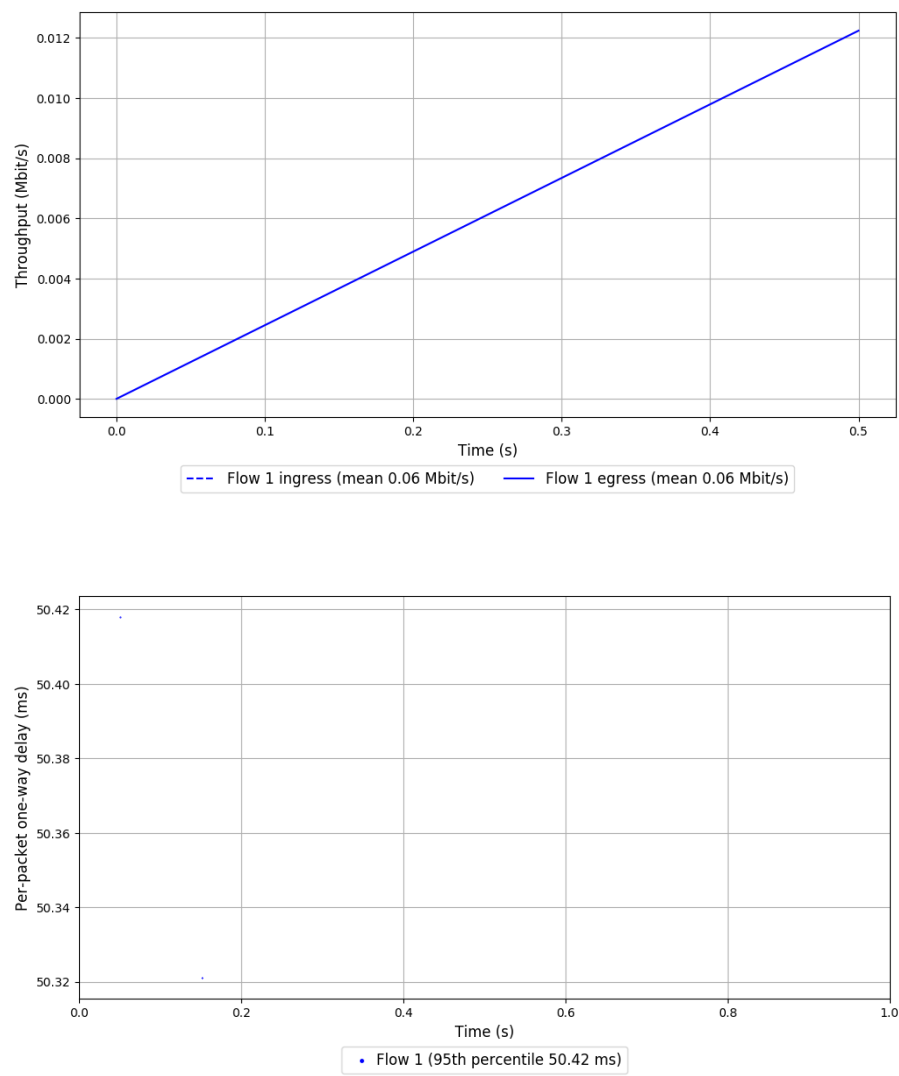
Start at: 2018-08-03 20:25:15

End at: 2018-08-03 20:25:45

Local clock offset: 0.539 ms

Remote clock offset: -0.091 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

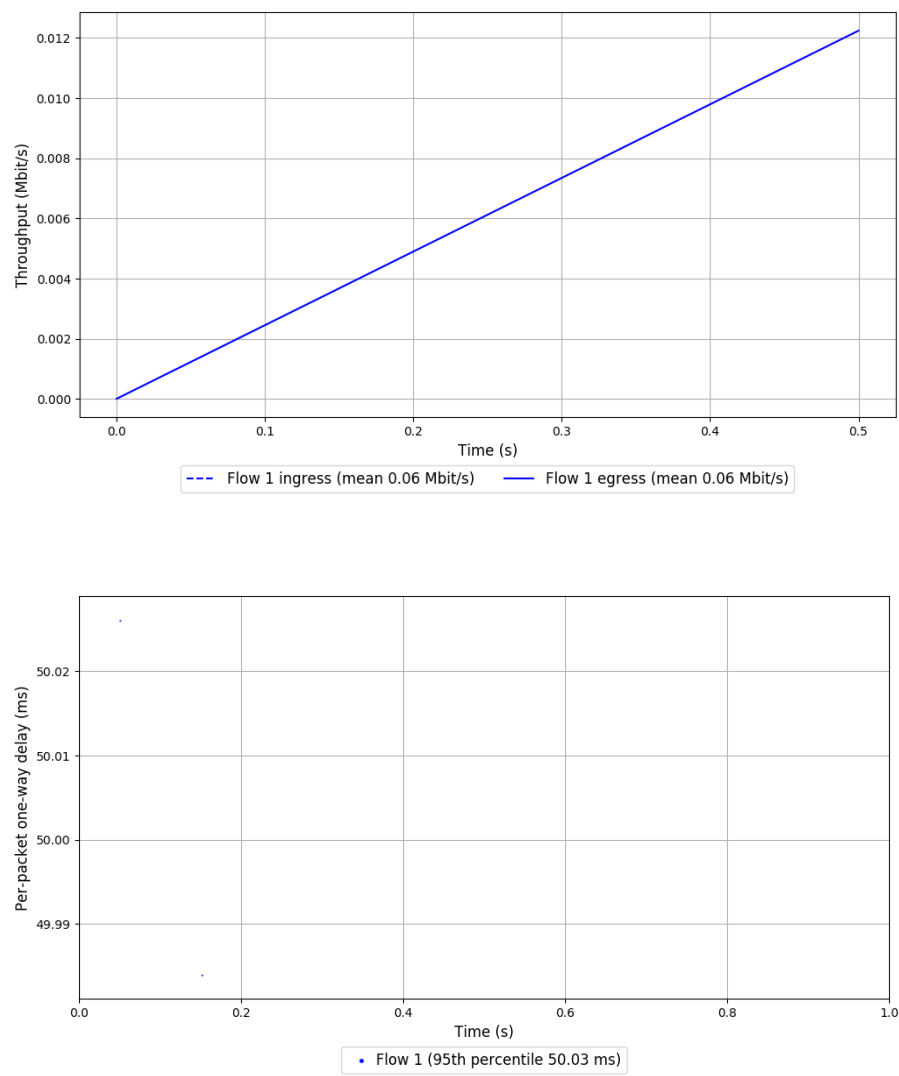
Start at: 2018-08-03 20:47:20

End at: 2018-08-03 20:47:50

Local clock offset: -0.229 ms

Remote clock offset: -0.099 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

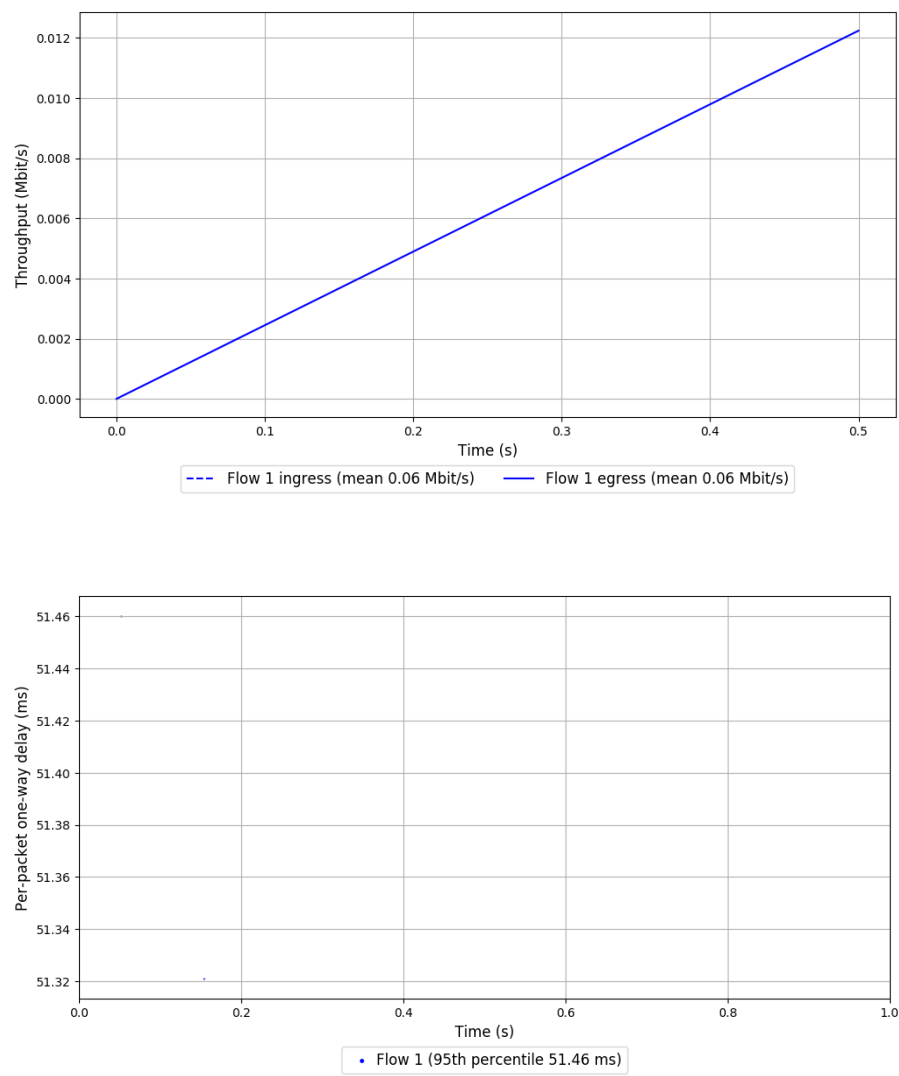
Start at: 2018-08-03 21:09:21

End at: 2018-08-03 21:09:51

Local clock offset: 0.498 ms

Remote clock offset: -0.042 ms

Run 8: Report of QUIC Cubic — Data Link

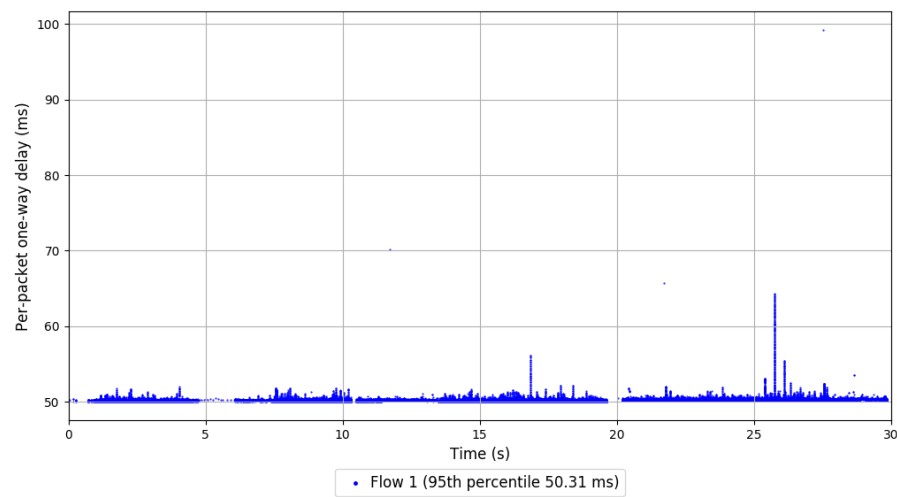
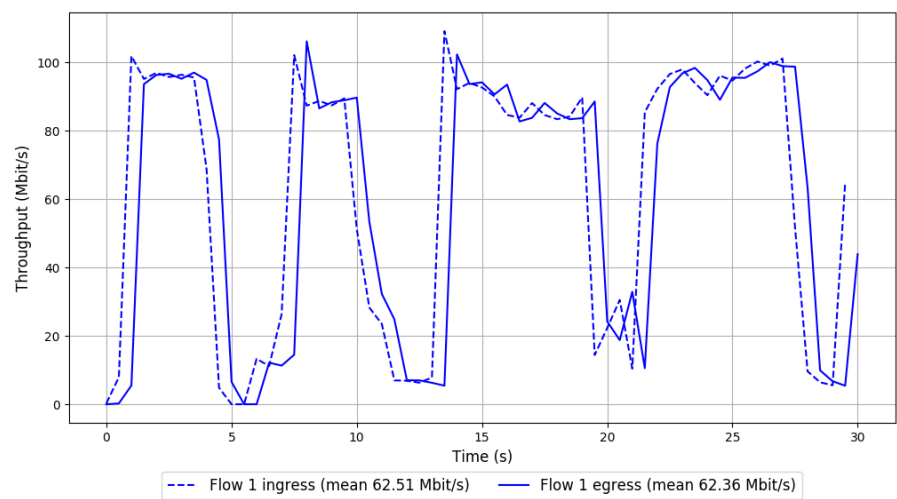


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-03 21:31:21
End at: 2018-08-03 21:31:51
Local clock offset: 0.517 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 50.310 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 50.310 ms
Loss rate: 0.58%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-03 21:53:24

End at: 2018-08-03 21:53:54

Local clock offset: 0.086 ms

Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-04 00:02:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.97 Mbit/s

95th percentile per-packet one-way delay: 50.790 ms

Loss rate: 0.49%

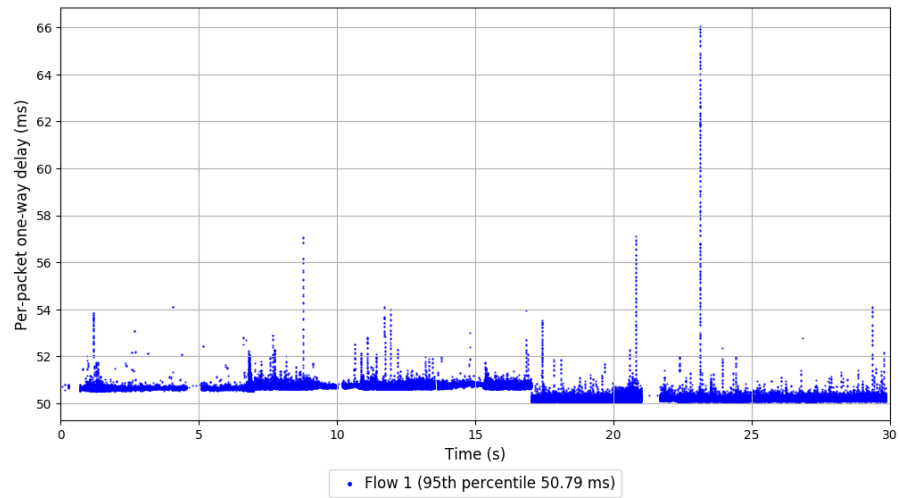
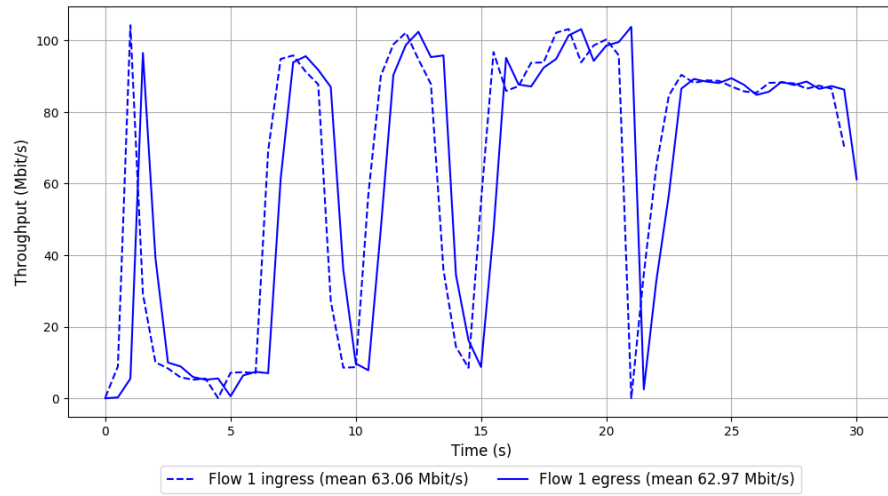
-- Flow 1:

Average throughput: 62.97 Mbit/s

95th percentile per-packet one-way delay: 50.790 ms

Loss rate: 0.49%

Run 10: Report of QUIC Cubic — Data Link

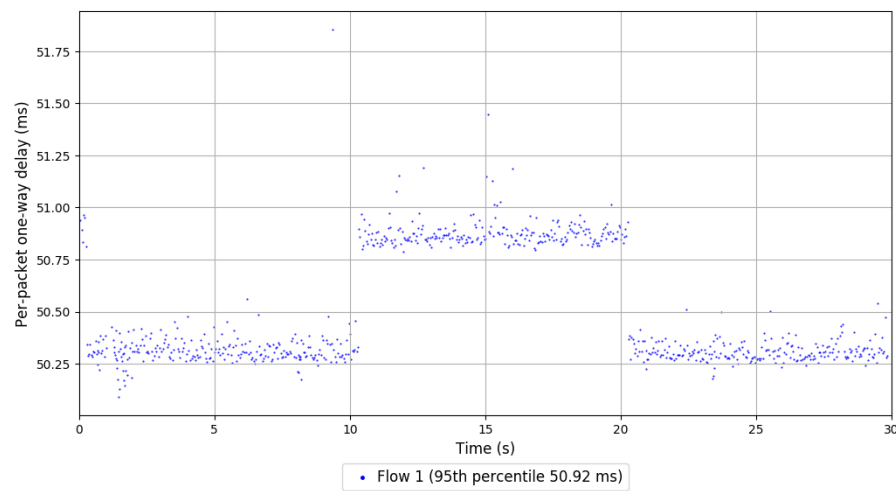
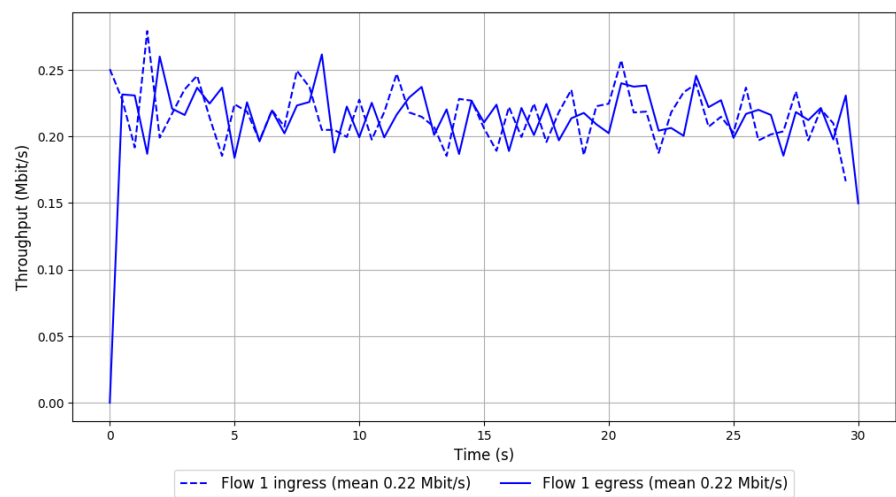


```
Run 1: Statistics of SCReAM

Start at: 2018-08-03 18:47:31
End at: 2018-08-03 18:48:01
Local clock offset: 0.028 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2018-08-04 00:02:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.916 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.916 ms
Loss rate: 0.25%
```


Run 1: Report of SReAM — Data Link

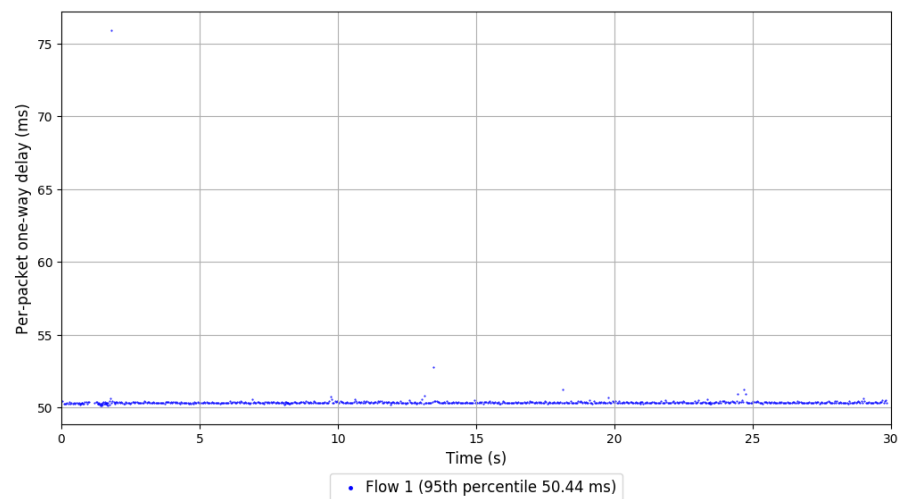
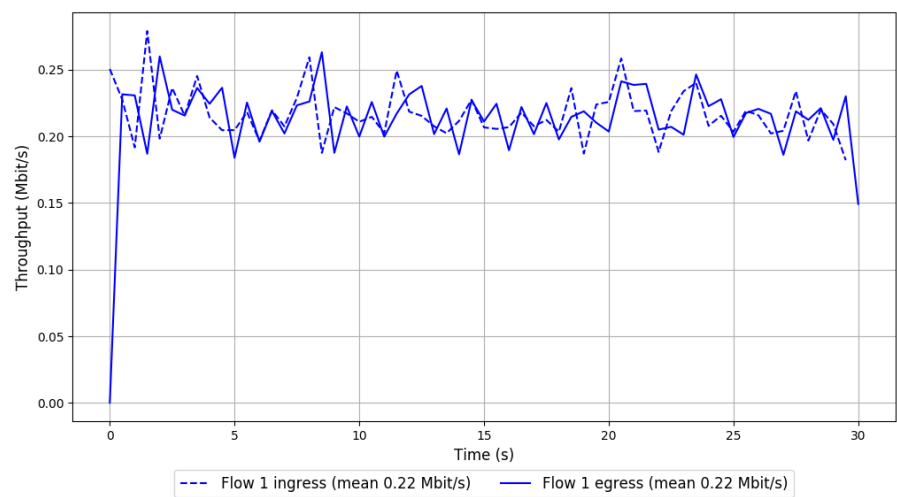


Run 2: Statistics of SCReAM

Start at: 2018-08-03 19:09:31
End at: 2018-08-03 19:10:01
Local clock offset: 0.046 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.444 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.444 ms
Loss rate: 0.38%

Run 2: Report of SReAM — Data Link

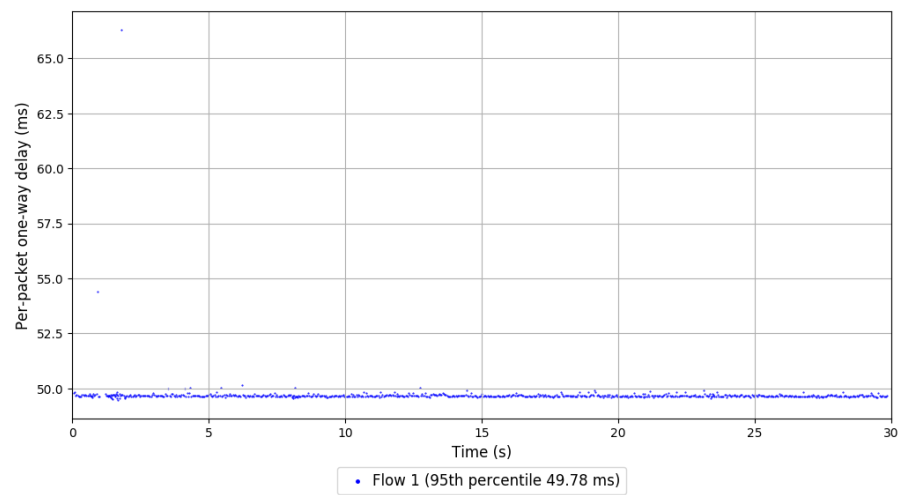
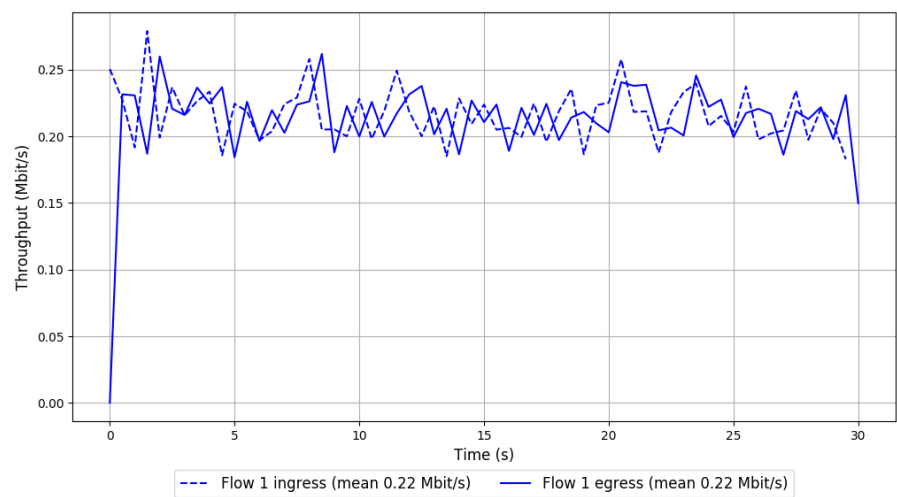


Run 3: Statistics of SCReAM

Start at: 2018-08-03 19:31:35
End at: 2018-08-03 19:32:05
Local clock offset: 0.062 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.785 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.785 ms
Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

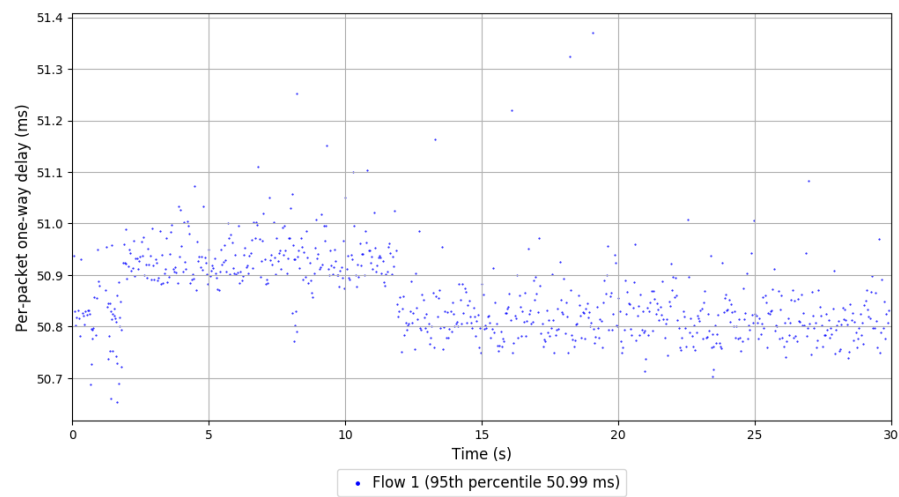
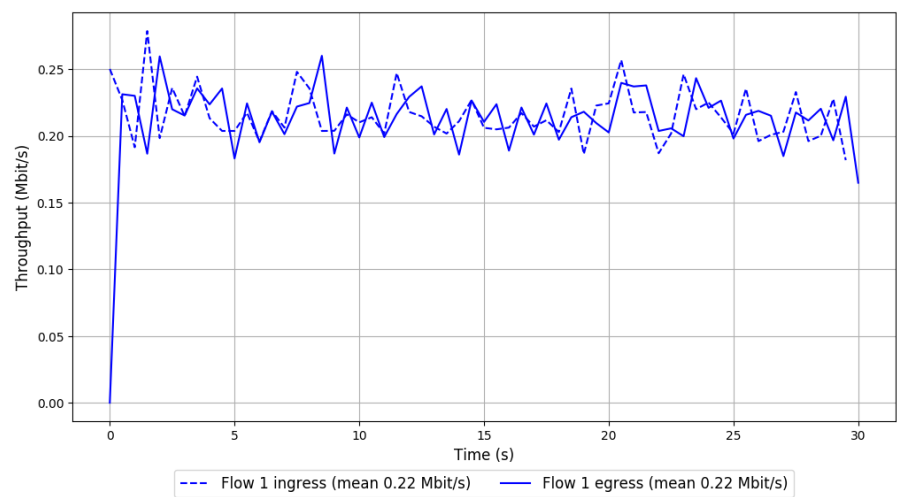


Run 4: Statistics of SReAM

Start at: 2018-08-03 19:53:29
End at: 2018-08-03 19:53:59
Local clock offset: 0.094 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.995 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.995 ms
Loss rate: 0.26%

Run 4: Report of SReAM — Data Link

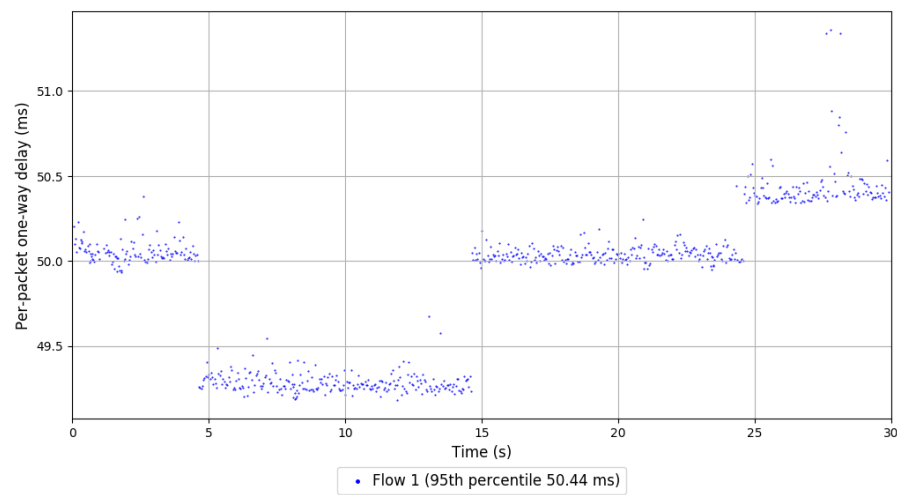
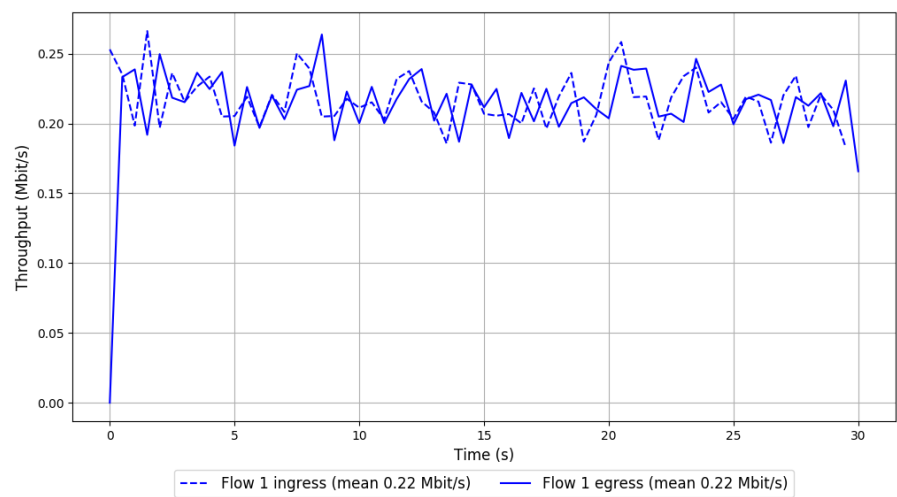


Run 5: Statistics of SCReAM

Start at: 2018-08-03 20:15:16
End at: 2018-08-03 20:15:46
Local clock offset: 0.491 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.435 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.435 ms
Loss rate: 0.26%

Run 5: Report of SReAM — Data Link

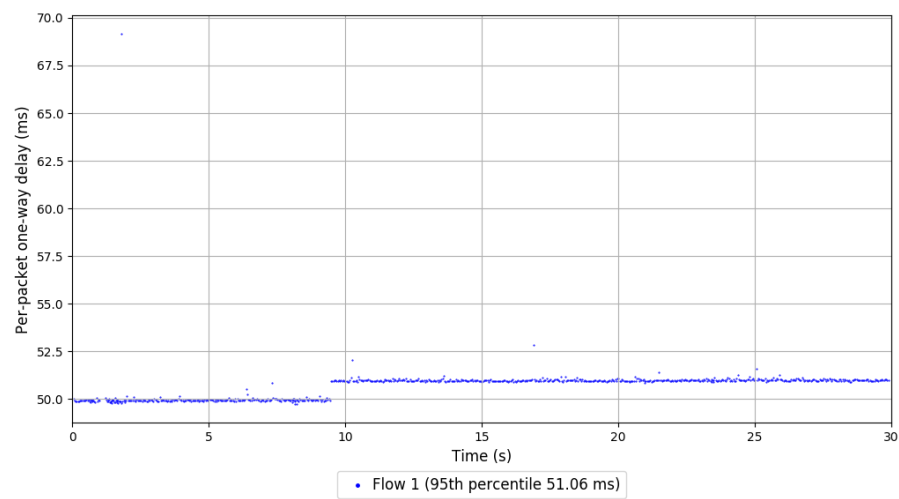
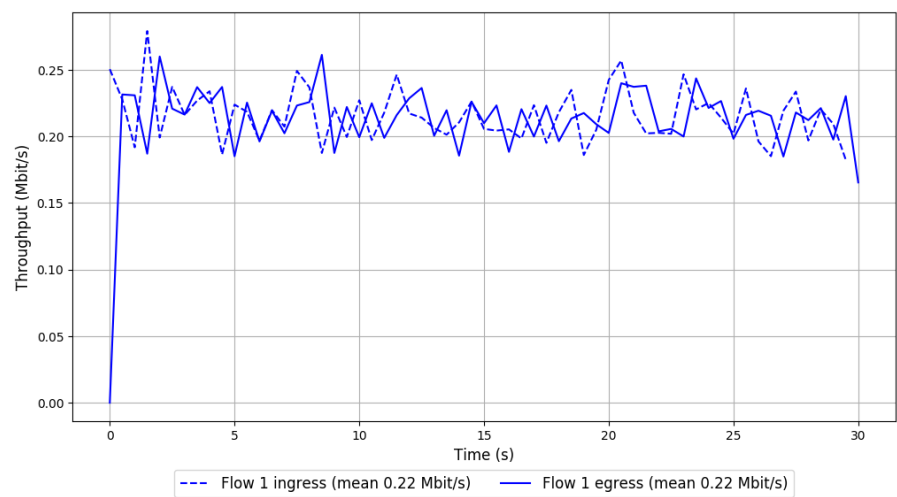


Run 6: Statistics of SCReAM

Start at: 2018-08-03 20:37:22
End at: 2018-08-03 20:37:52
Local clock offset: 0.162 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.056 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.056 ms
Loss rate: 0.26%

Run 6: Report of SReAM — Data Link

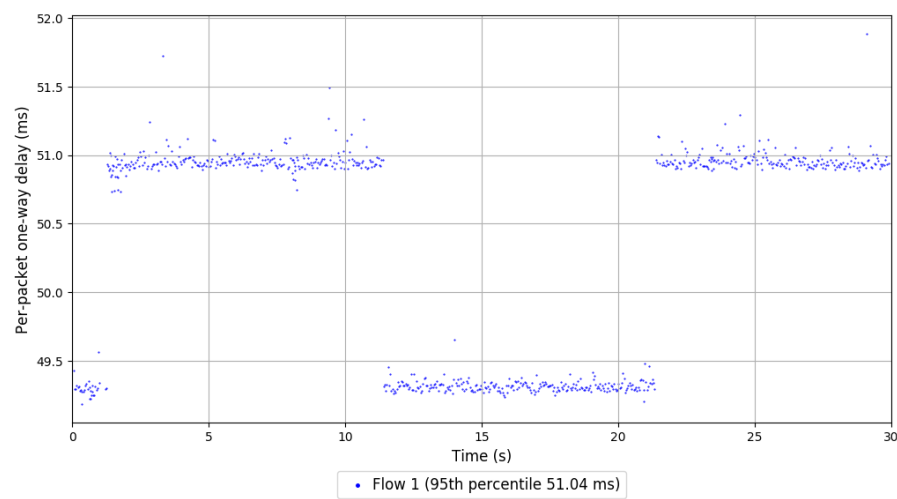
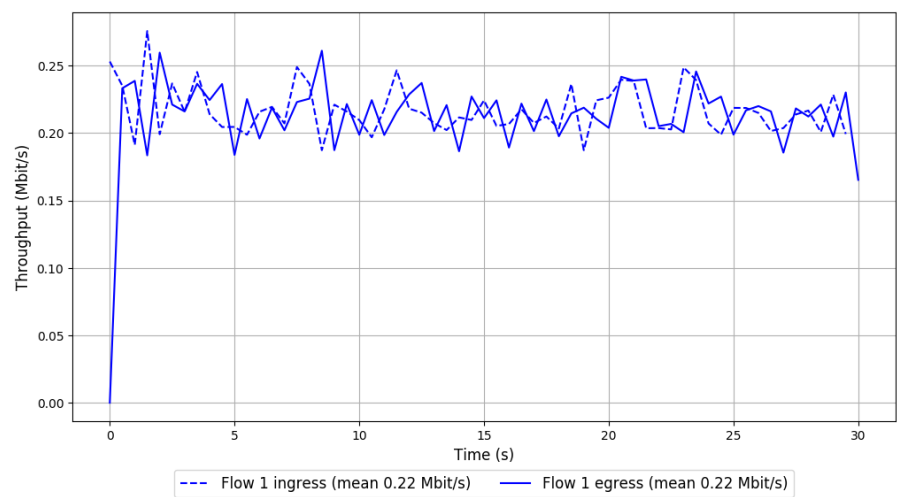


Run 7: Statistics of SReAM

Start at: 2018-08-03 20:59:20
End at: 2018-08-03 20:59:50
Local clock offset: 0.453 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.044 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.044 ms
Loss rate: 0.39%

Run 7: Report of SReAM — Data Link

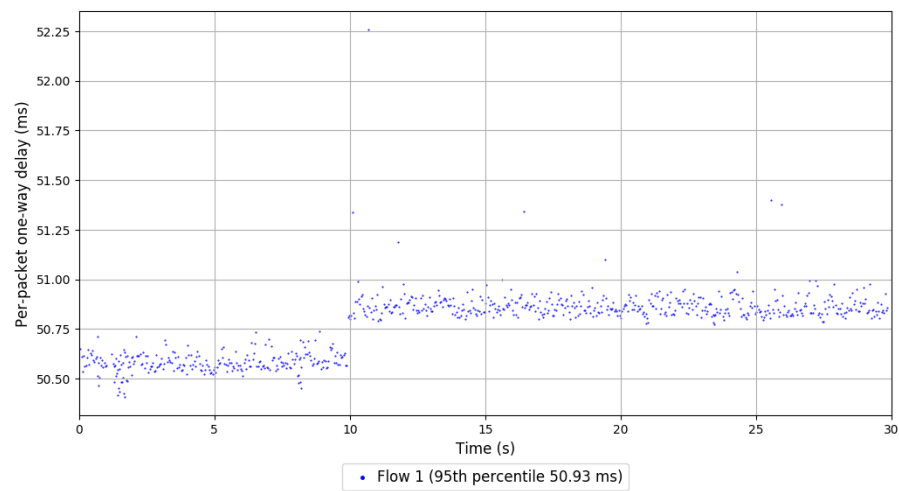
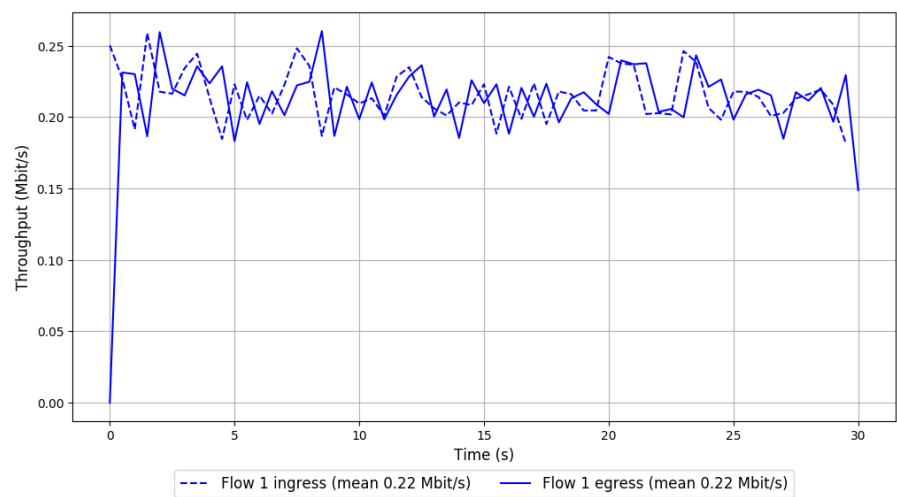


Run 8: Statistics of SCReAM

Start at: 2018-08-03 21:21:21
End at: 2018-08-03 21:21:51
Local clock offset: 0.14 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.934 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.934 ms
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link

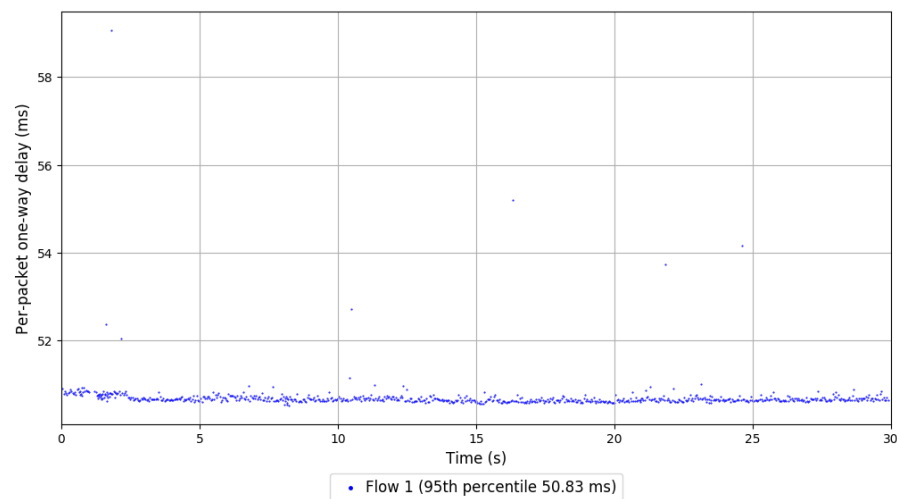
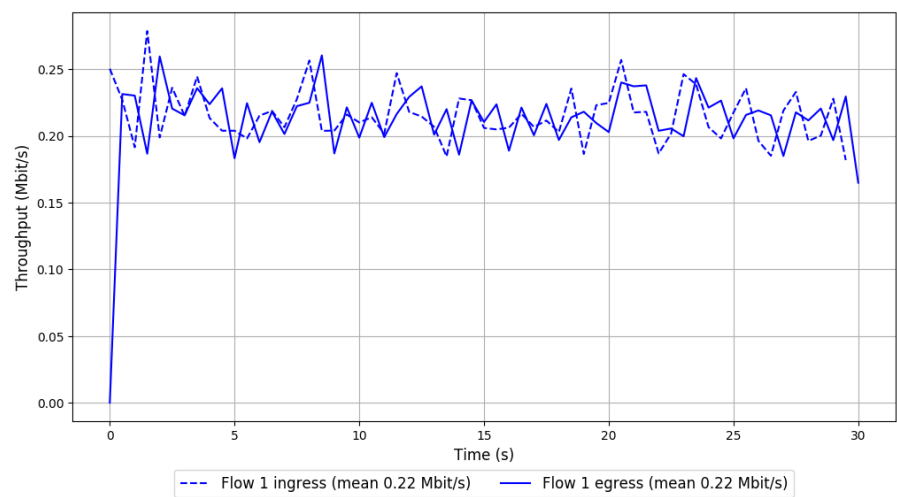


Run 9: Statistics of SCReAM

Start at: 2018-08-03 21:43:29
End at: 2018-08-03 21:43:59
Local clock offset: 0.15 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.834 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.834 ms
Loss rate: 0.26%

Run 9: Report of SReAM — Data Link

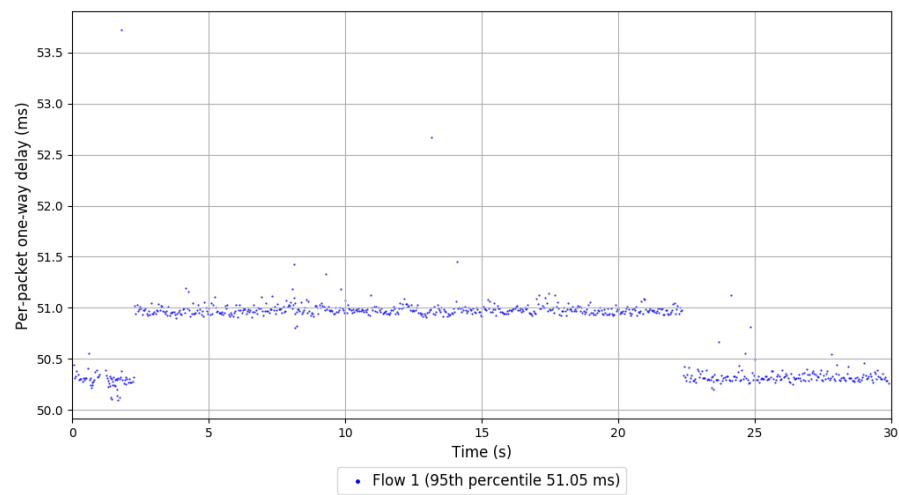
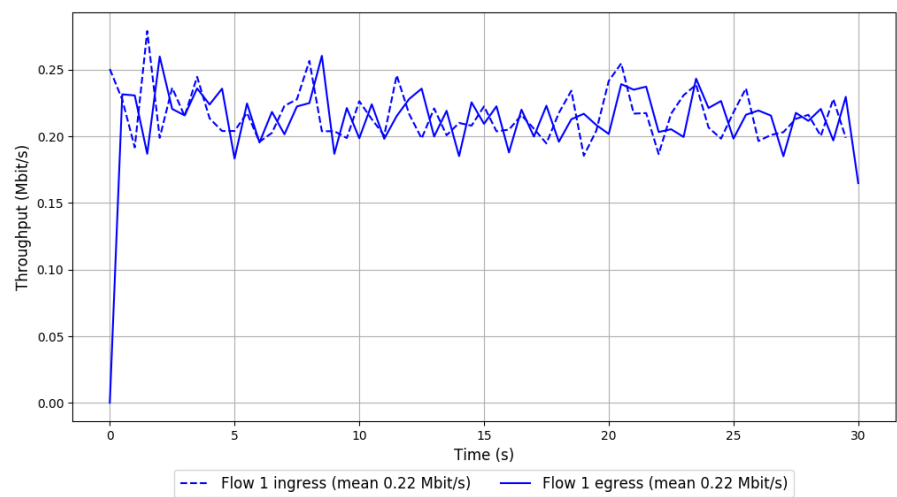


Run 10: Statistics of SReAM

Start at: 2018-08-03 22:05:29
End at: 2018-08-03 22:05:59
Local clock offset: 0.052 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 0.39%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-03 18:51:17

End at: 2018-08-03 18:51:47

Local clock offset: 0.384 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-08-04 00:02:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 51.289 ms

Loss rate: 0.64%

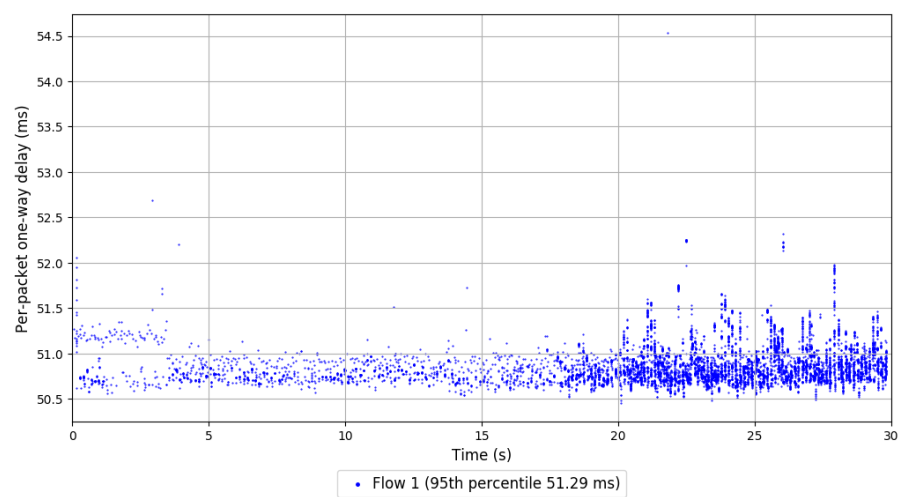
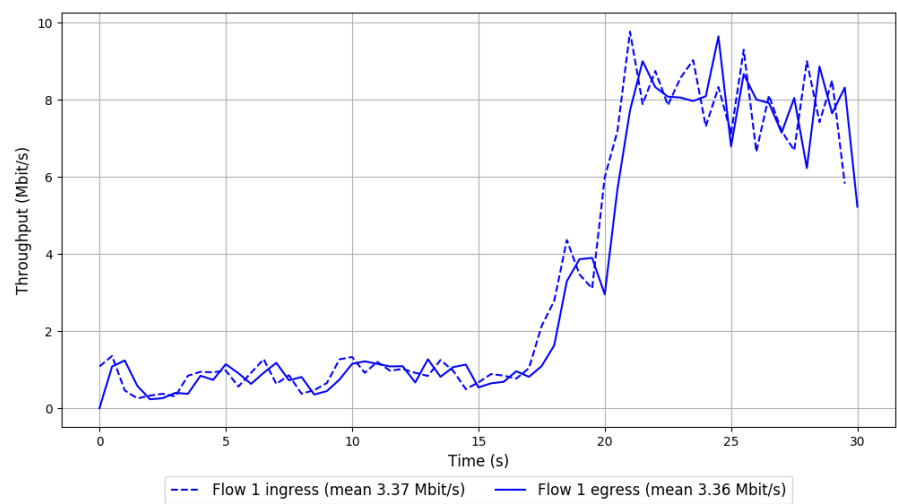
-- Flow 1:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 51.289 ms

Loss rate: 0.64%

Run 1: Report of Sprout — Data Link

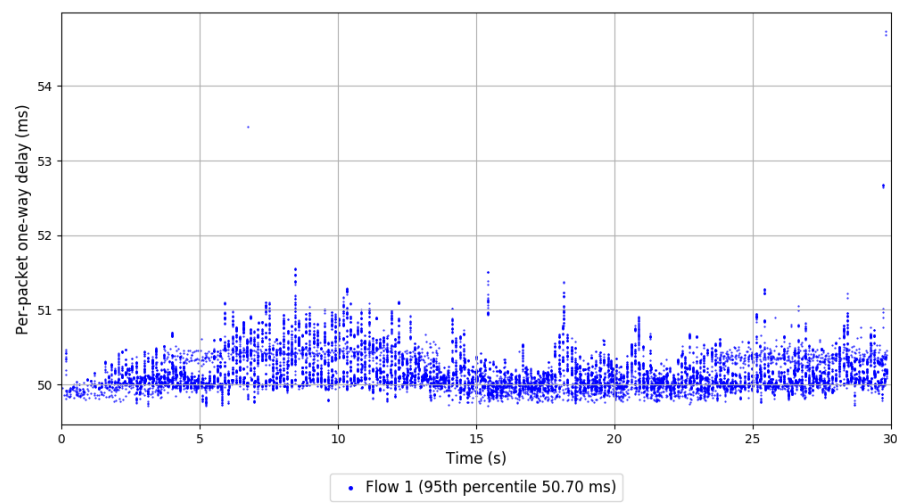
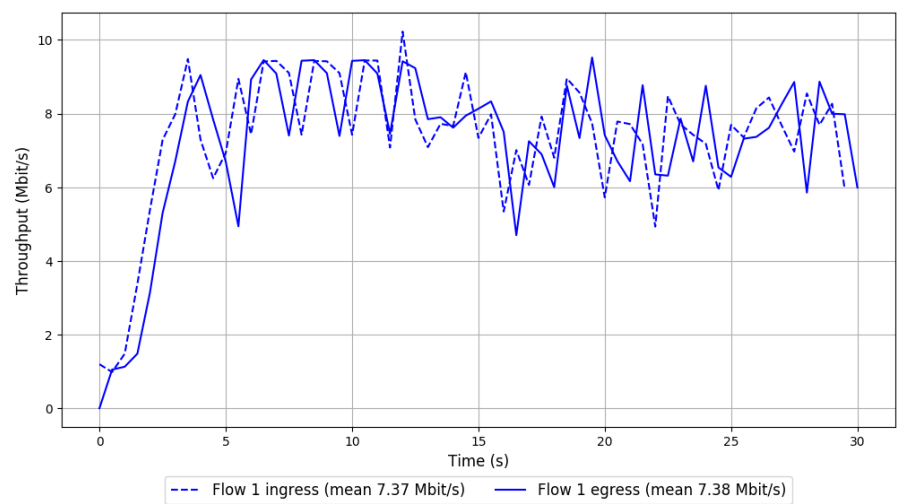


Run 2: Statistics of Sprout

Start at: 2018-08-03 19:13:17
End at: 2018-08-03 19:13:47
Local clock offset: -0.306 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.27%

Run 2: Report of Sprout — Data Link

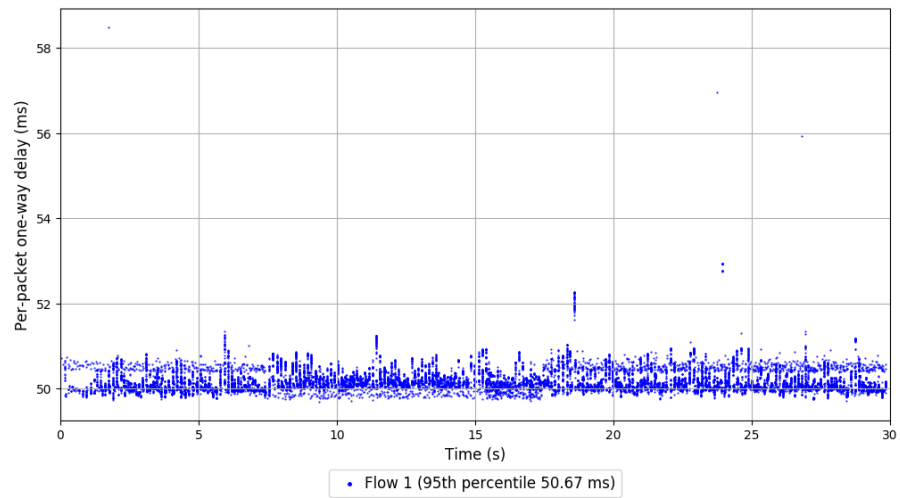
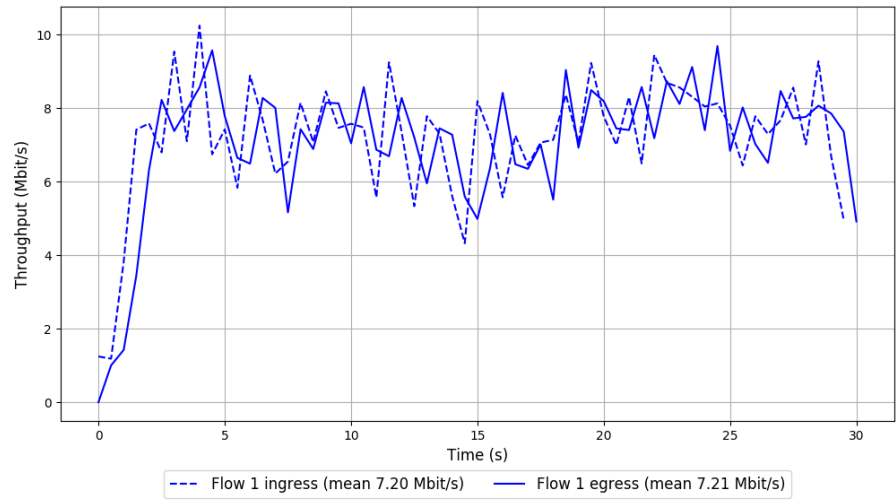


Run 3: Statistics of Sprout

Start at: 2018-08-03 19:35:23
End at: 2018-08-03 19:35:53
Local clock offset: 0.14 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 50.666 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 50.666 ms
Loss rate: 0.18%

Run 3: Report of Sprout — Data Link

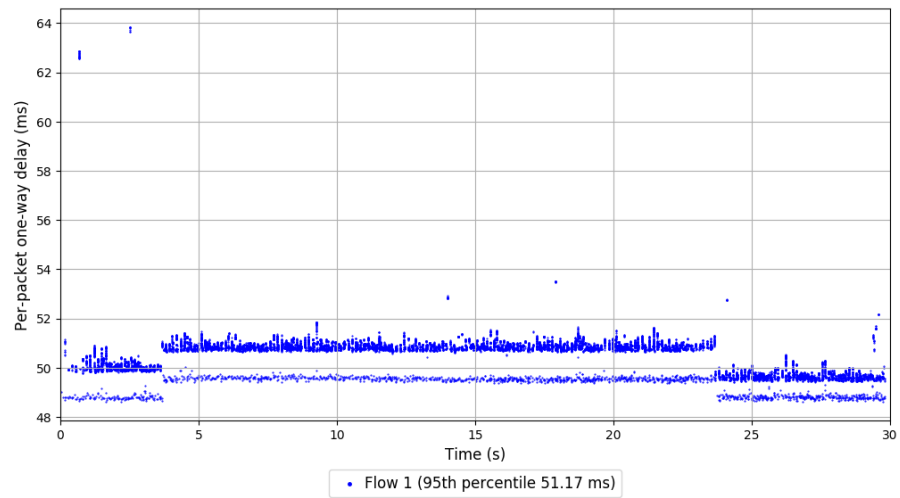
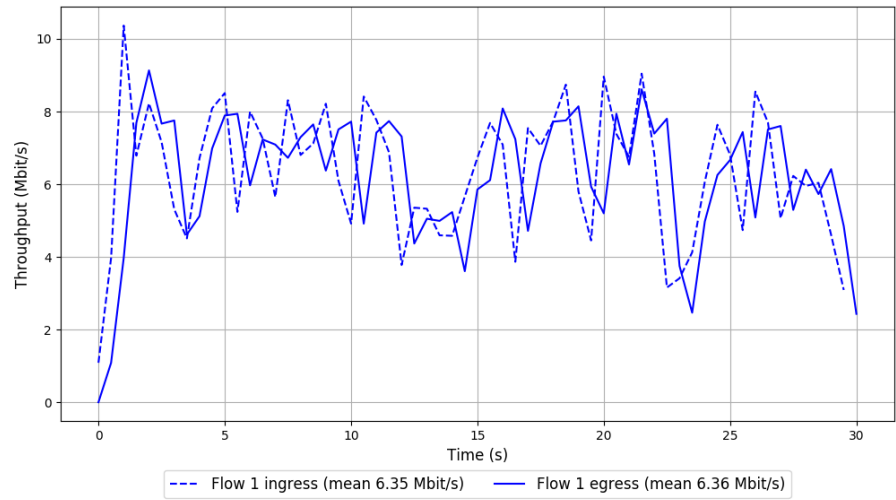


Run 4: Statistics of Sprout

Start at: 2018-08-03 19:57:17
End at: 2018-08-03 19:57:47
Local clock offset: 0.136 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 51.172 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 51.172 ms
Loss rate: 0.26%

Run 4: Report of Sprout — Data Link

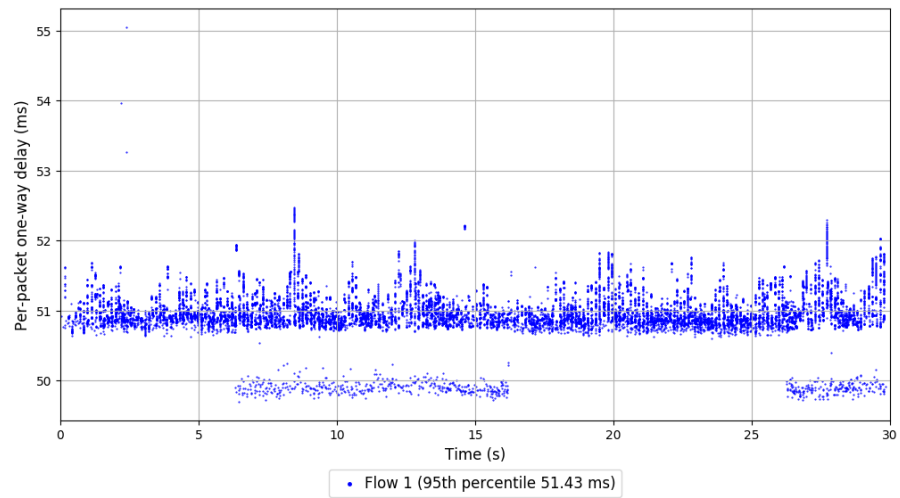
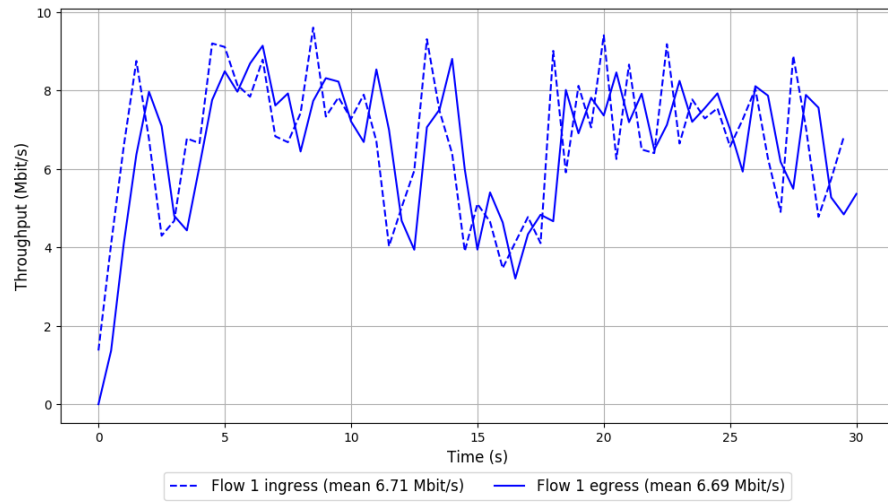


Run 5: Statistics of Sprout

Start at: 2018-08-03 20:19:05
End at: 2018-08-03 20:19:35
Local clock offset: 0.17 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 51.433 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 51.433 ms
Loss rate: 0.59%

Run 5: Report of Sprout — Data Link

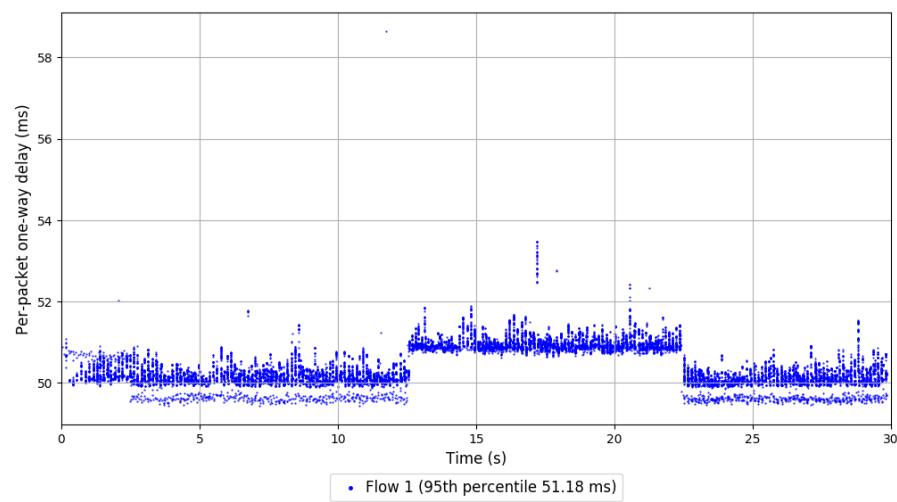
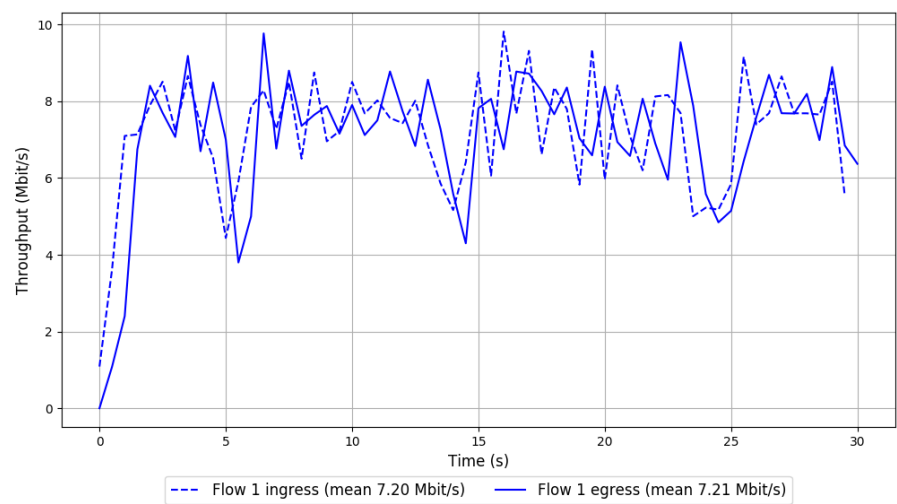


Run 6: Statistics of Sprout

Start at: 2018-08-03 20:41:09
End at: 2018-08-03 20:41:39
Local clock offset: 0.122 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 0.24%

Run 6: Report of Sprout — Data Link

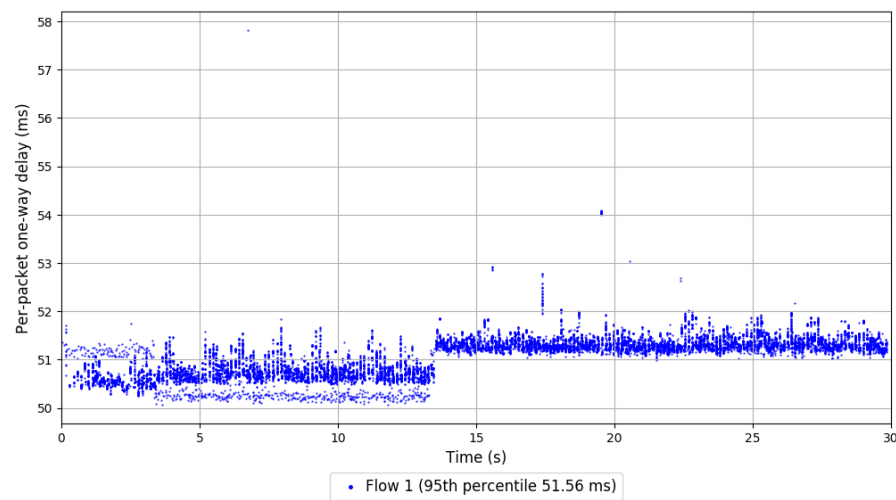
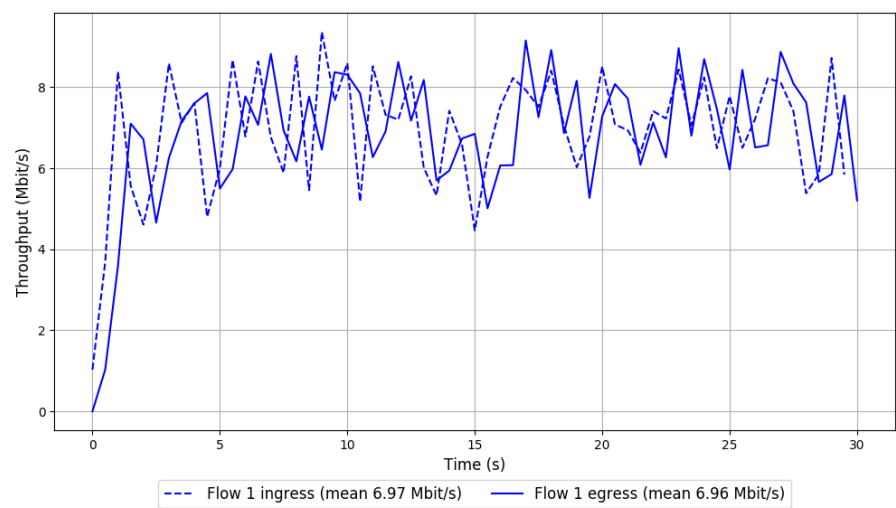


Run 7: Statistics of Sprout

Start at: 2018-08-03 21:03:08
End at: 2018-08-03 21:03:38
Local clock offset: 0.466 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 0.42%

Run 7: Report of Sprout — Data Link

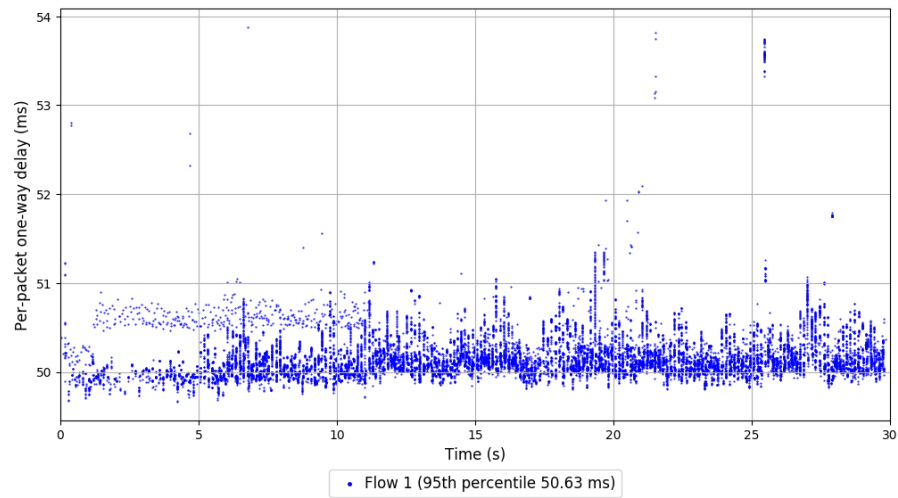
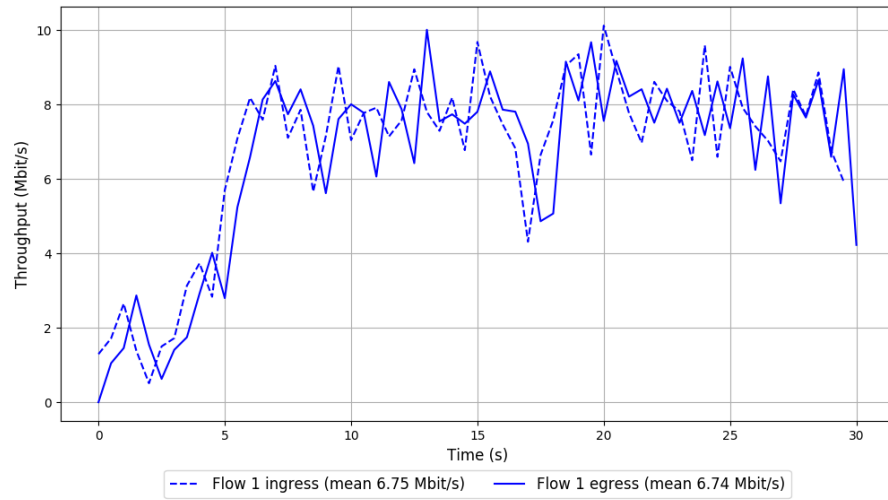


Run 8: Statistics of Sprout

Start at: 2018-08-03 21:25:10
End at: 2018-08-03 21:25:40
Local clock offset: 0.125 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 50.628 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 50.628 ms
Loss rate: 0.44%

Run 8: Report of Sprout — Data Link

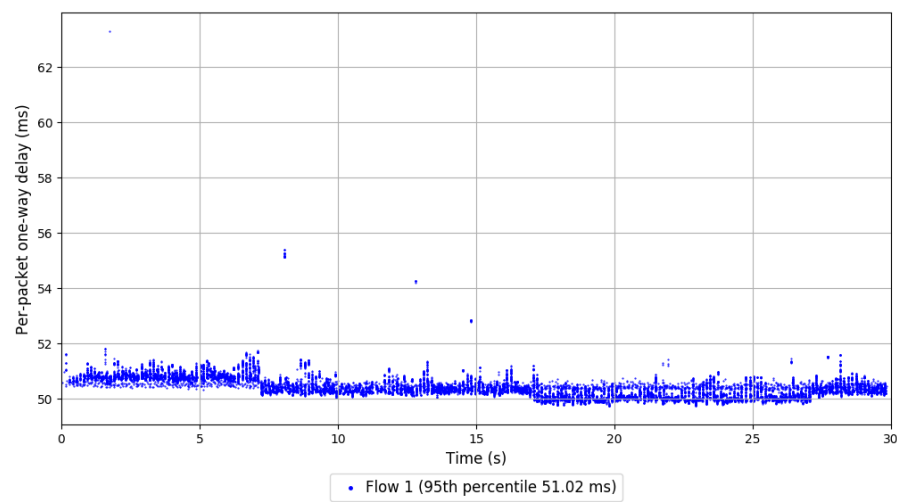
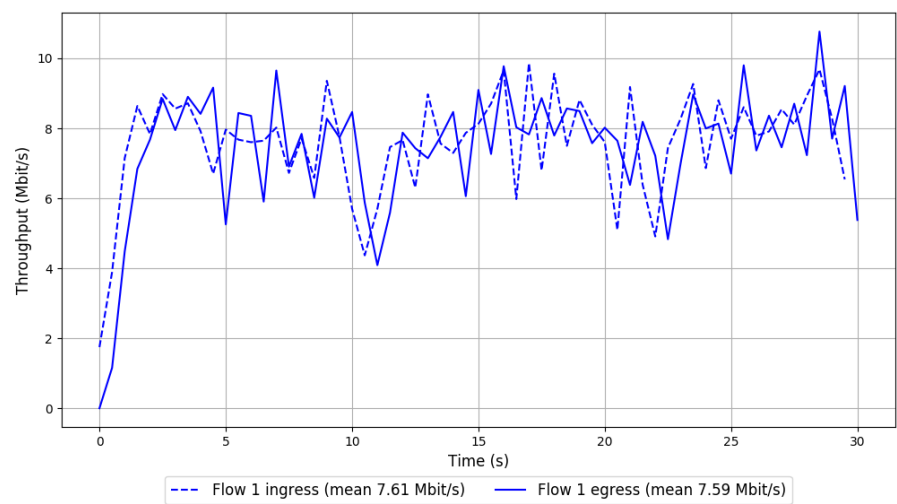


Run 9: Statistics of Sprout

Start at: 2018-08-03 21:47:14
End at: 2018-08-03 21:47:44
Local clock offset: 0.097 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 51.022 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 51.022 ms
Loss rate: 0.48%

Run 9: Report of Sprout — Data Link

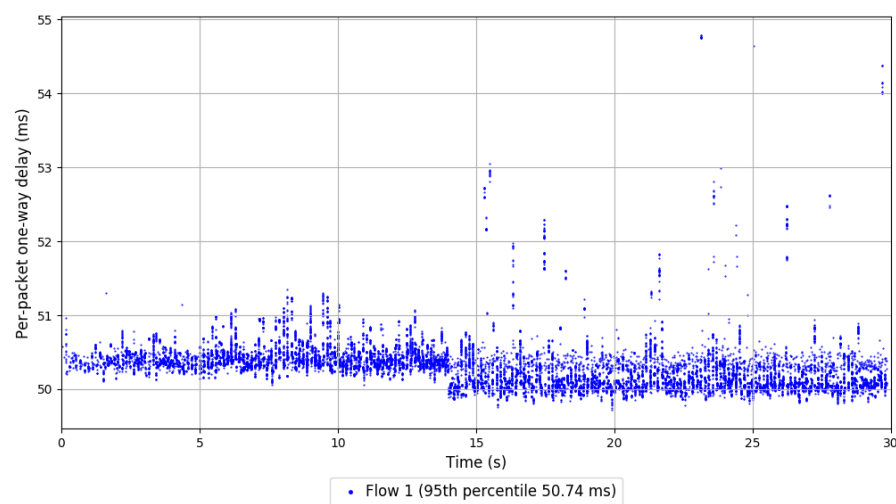
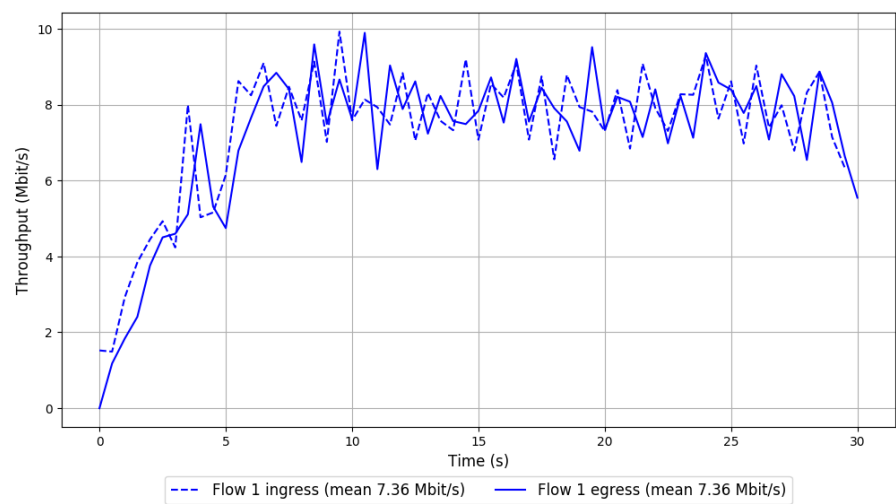


Run 10: Statistics of Sprout

Start at: 2018-08-03 22:09:17
End at: 2018-08-03 22:09:47
Local clock offset: -0.291 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-04 00:02:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.48%

Run 10: Report of Sprout — Data Link

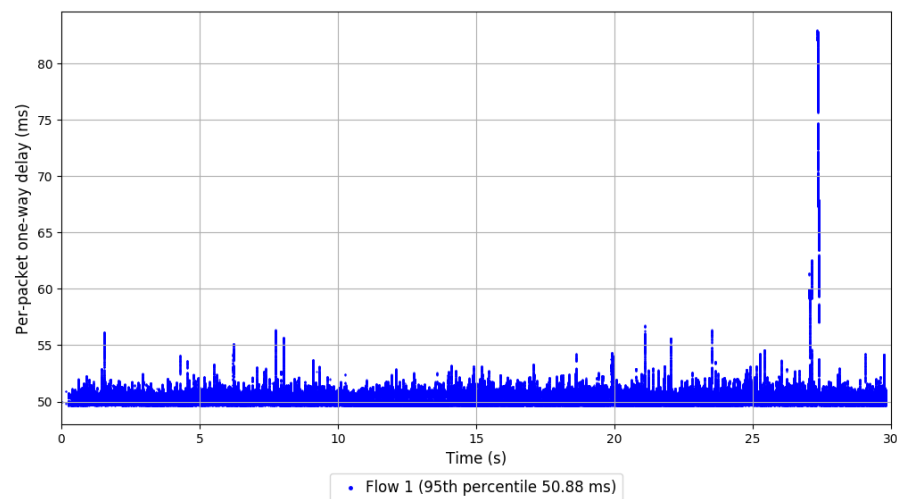
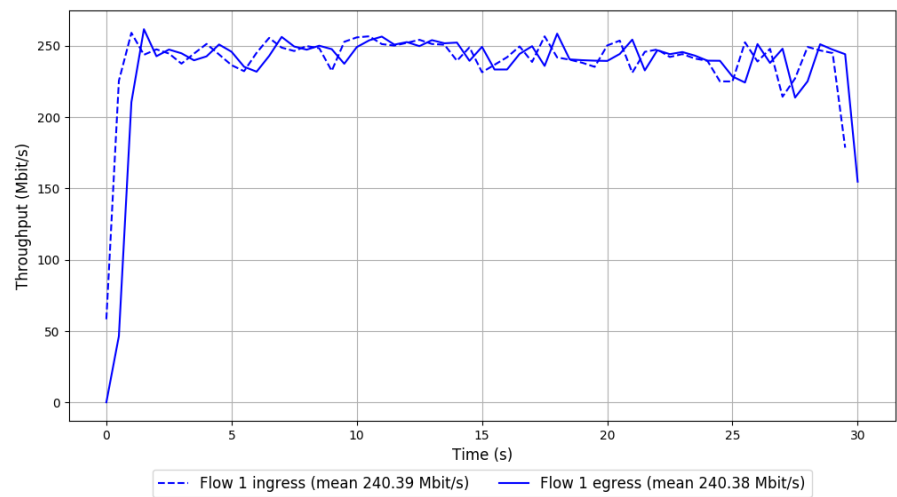


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-03 18:34:20
End at: 2018-08-03 18:34:50
Local clock offset: -0.319 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-08-04 00:04:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.38 Mbit/s
95th percentile per-packet one-way delay: 50.877 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 240.38 Mbit/s
95th percentile per-packet one-way delay: 50.877 ms
Loss rate: 0.34%
```


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

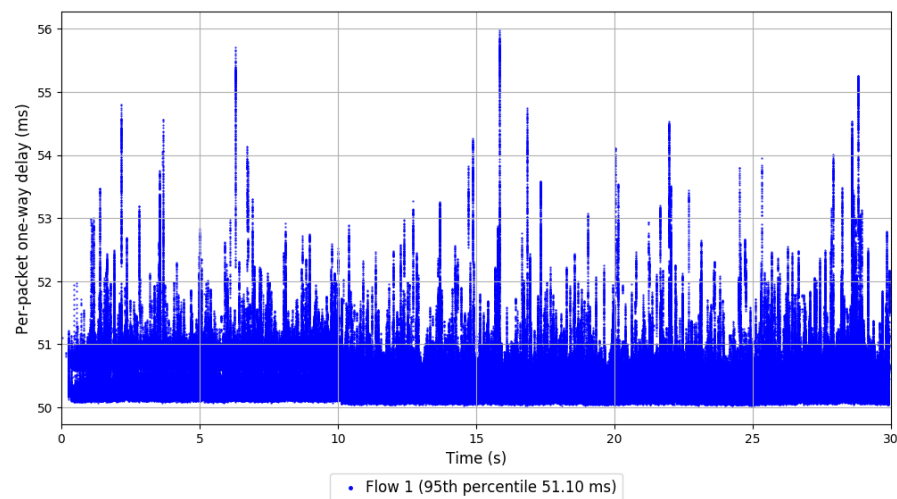
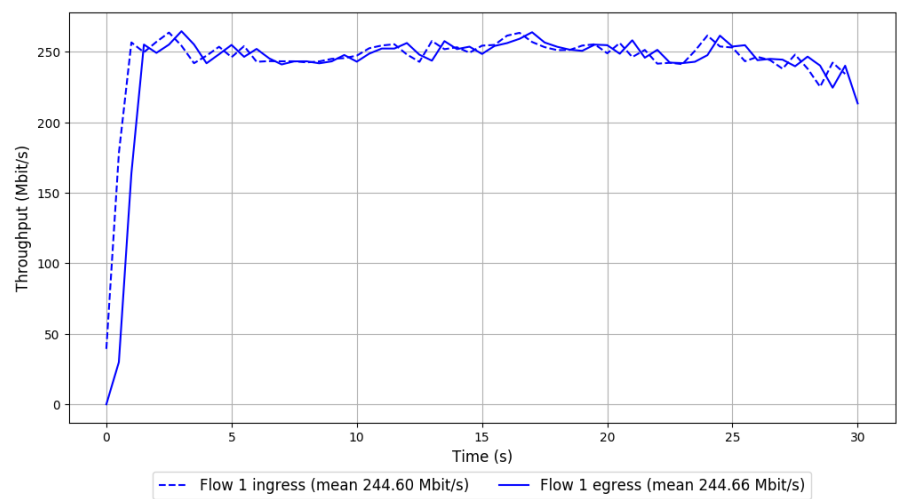


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-03 18:56:01
End at: 2018-08-03 18:56:31
Local clock offset: 0.056 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-04 00:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 244.66 Mbit/s
95th percentile per-packet one-way delay: 51.099 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 244.66 Mbit/s
95th percentile per-packet one-way delay: 51.099 ms
Loss rate: 0.32%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-03 19:18:04

End at: 2018-08-03 19:18:34

Local clock offset: 0.054 ms

Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-04 00:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.30 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 0.33%

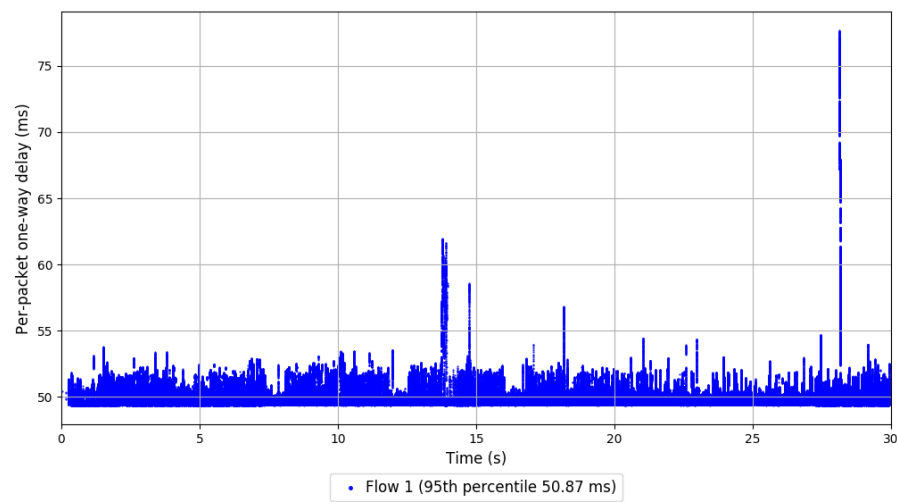
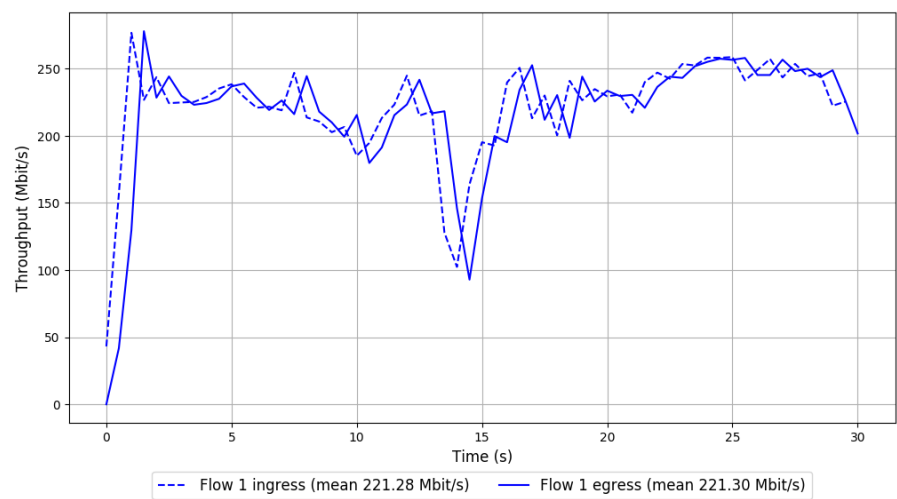
-- Flow 1:

Average throughput: 221.30 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 0.33%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-03 19:40:07

End at: 2018-08-03 19:40:37

Local clock offset: 0.134 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-04 00:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.84 Mbit/s

95th percentile per-packet one-way delay: 50.797 ms

Loss rate: 0.34%

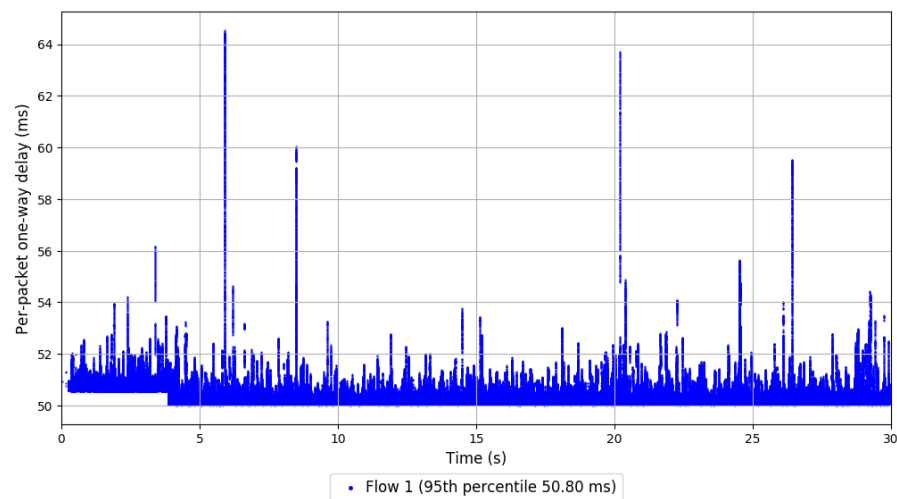
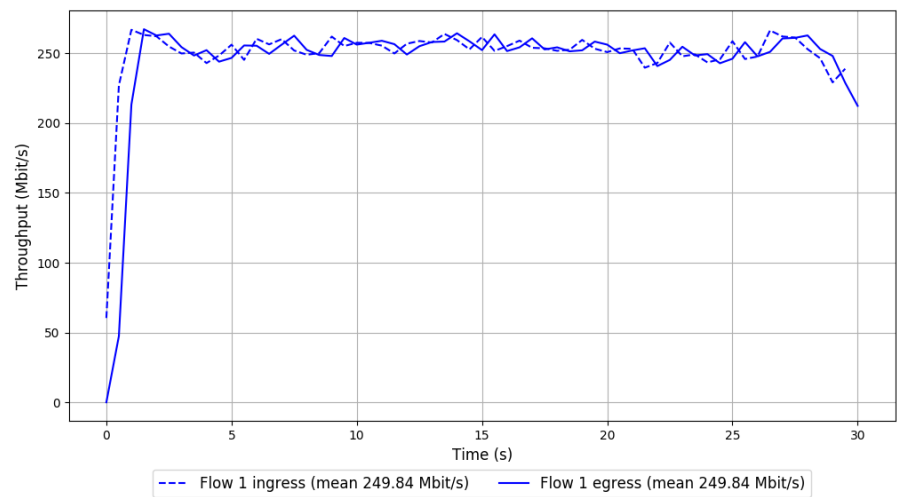
-- Flow 1:

Average throughput: 249.84 Mbit/s

95th percentile per-packet one-way delay: 50.797 ms

Loss rate: 0.34%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-03 20:02:06

End at: 2018-08-03 20:02:36

Local clock offset: -0.243 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-04 00:07:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.34 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 0.19%

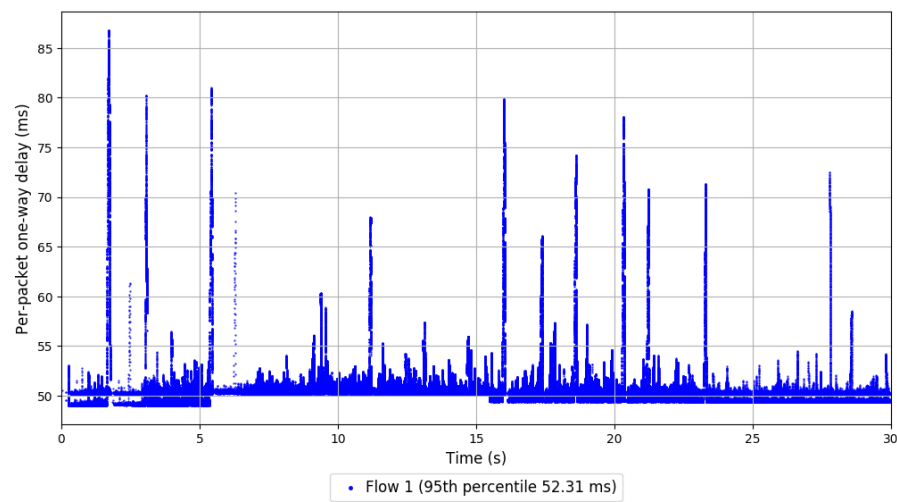
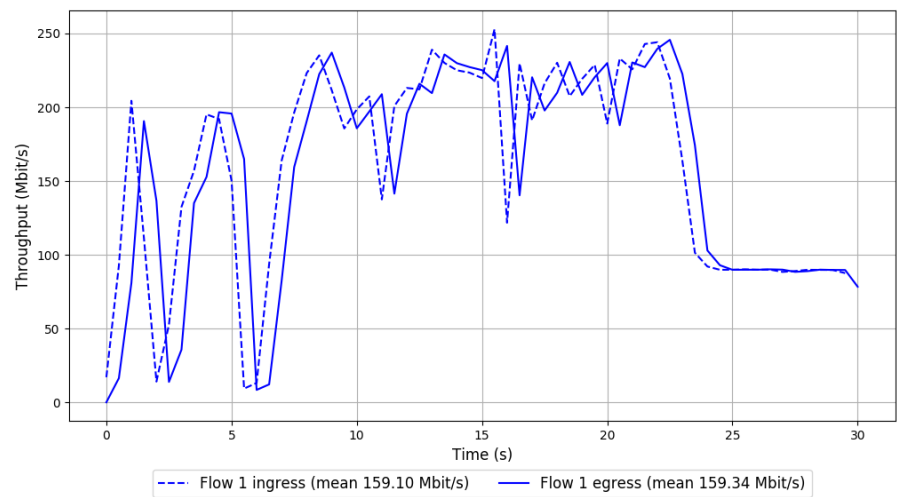
-- Flow 1:

Average throughput: 159.34 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 0.19%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-03 20:23:49

End at: 2018-08-03 20:24:19

Local clock offset: 0.144 ms

Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-04 00:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.11 Mbit/s

95th percentile per-packet one-way delay: 53.397 ms

Loss rate: 0.35%

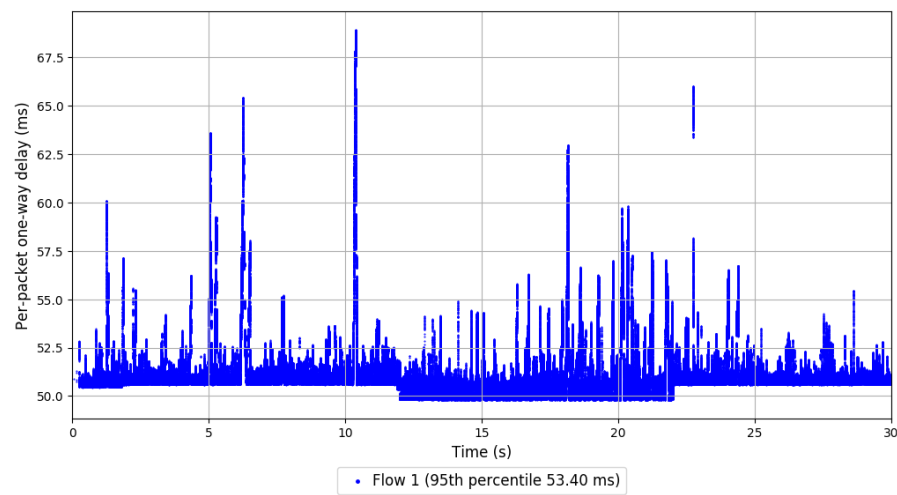
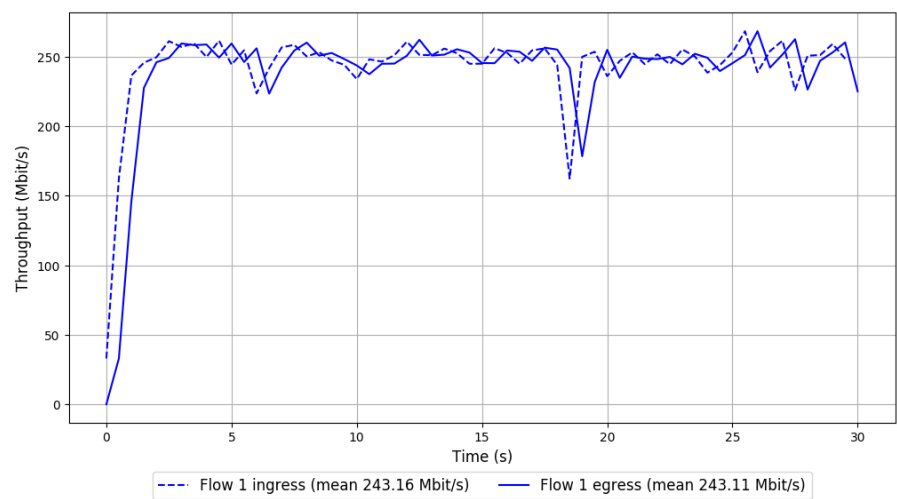
-- Flow 1:

Average throughput: 243.11 Mbit/s

95th percentile per-packet one-way delay: 53.397 ms

Loss rate: 0.35%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-03 20:45:54

End at: 2018-08-03 20:46:24

Local clock offset: 0.101 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-04 00:09:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.77 Mbit/s

95th percentile per-packet one-way delay: 51.547 ms

Loss rate: 0.23%

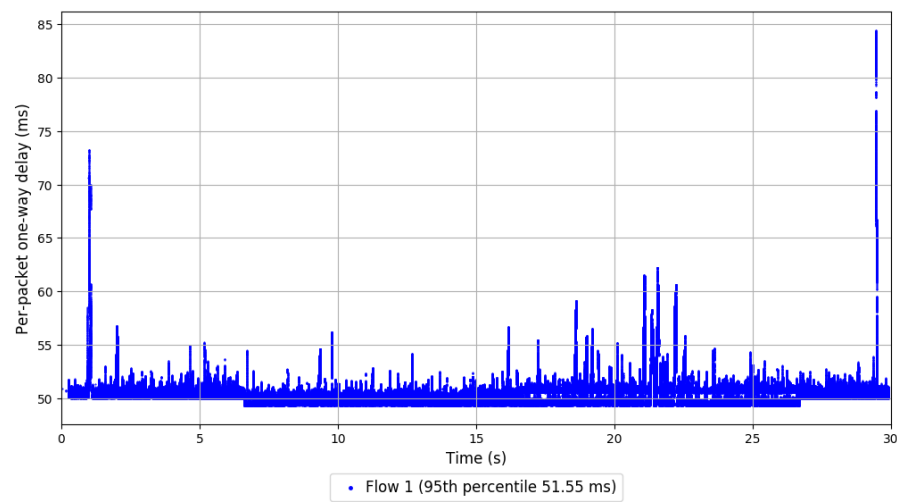
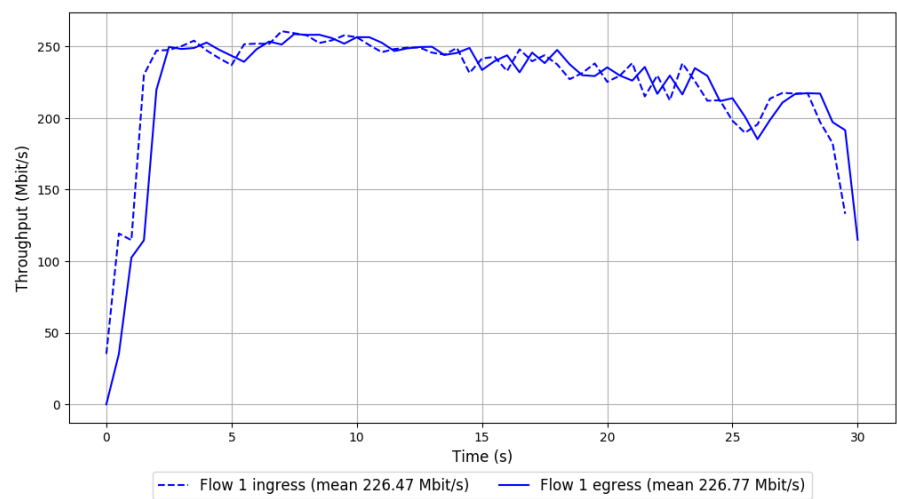
-- Flow 1:

Average throughput: 226.77 Mbit/s

95th percentile per-packet one-way delay: 51.547 ms

Loss rate: 0.23%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-03 21:07:56

End at: 2018-08-03 21:08:26

Local clock offset: 0.126 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-04 00:12:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.39 Mbit/s

95th percentile per-packet one-way delay: 52.360 ms

Loss rate: 0.32%

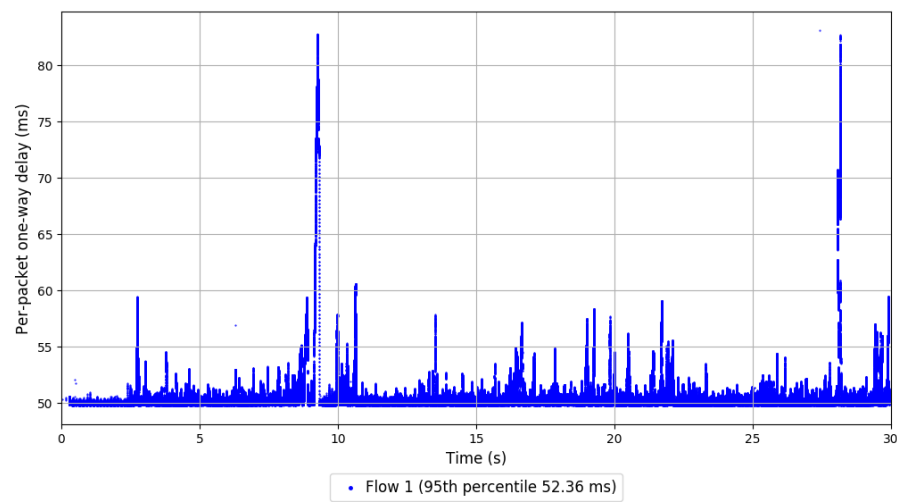
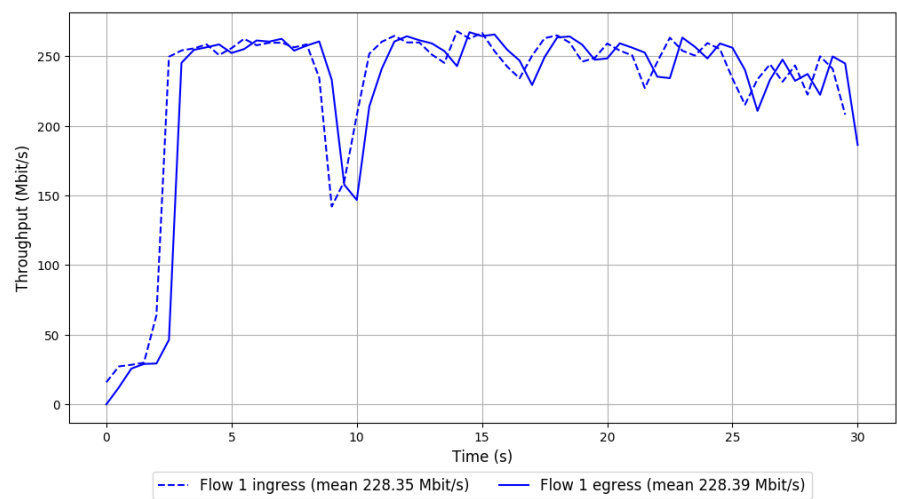
-- Flow 1:

Average throughput: 228.39 Mbit/s

95th percentile per-packet one-way delay: 52.360 ms

Loss rate: 0.32%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-03 21:29:55

End at: 2018-08-03 21:30:26

Local clock offset: 0.504 ms

Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-04 00:13:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.55 Mbit/s

95th percentile per-packet one-way delay: 51.922 ms

Loss rate: 0.37%

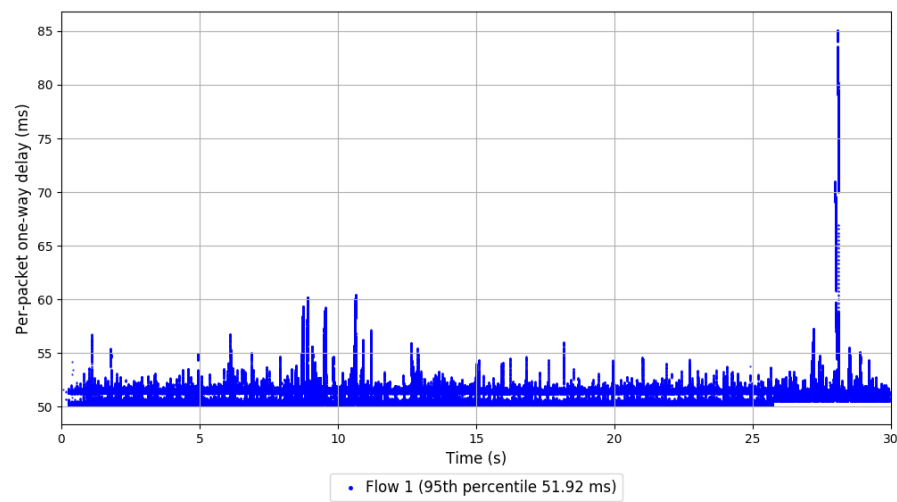
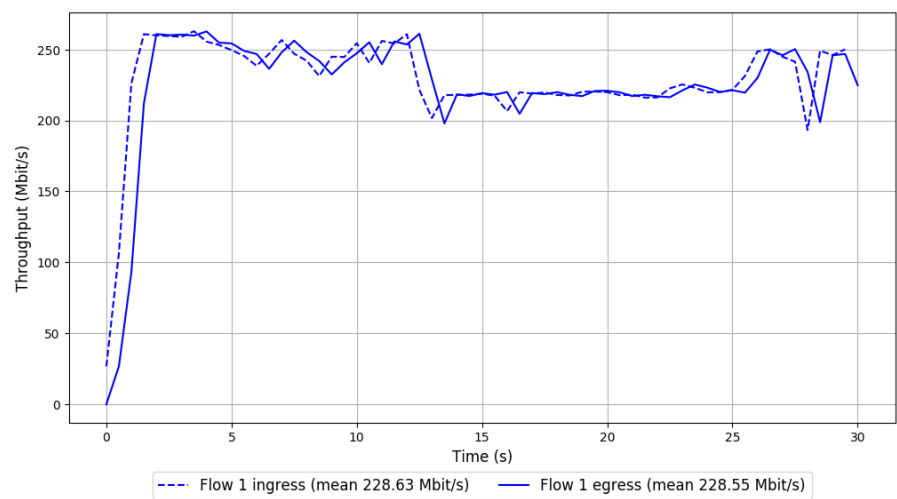
-- Flow 1:

Average throughput: 228.55 Mbit/s

95th percentile per-packet one-way delay: 51.922 ms

Loss rate: 0.37%

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

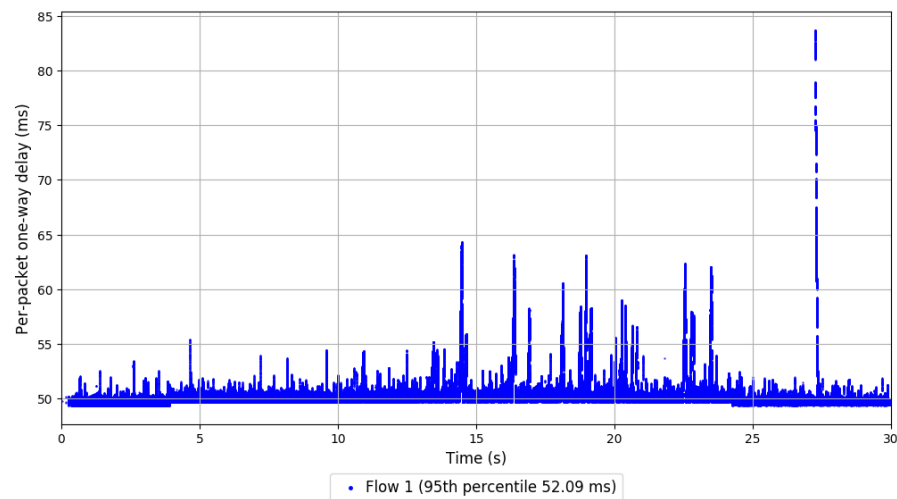
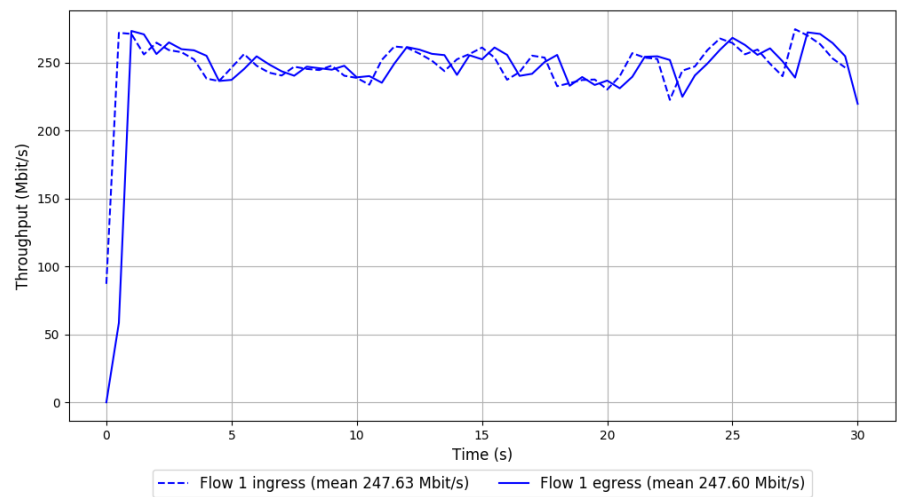


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-03 21:51:57
End at: 2018-08-03 21:52:27
Local clock offset: -0.245 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-04 00:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.60 Mbit/s
95th percentile per-packet one-way delay: 52.091 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 247.60 Mbit/s
95th percentile per-packet one-way delay: 52.091 ms
Loss rate: 0.34%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-03 18:45:03

End at: 2018-08-03 18:45:33

Local clock offset: 0.012 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-08-04 00:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 51.593 ms

Loss rate: 0.31%

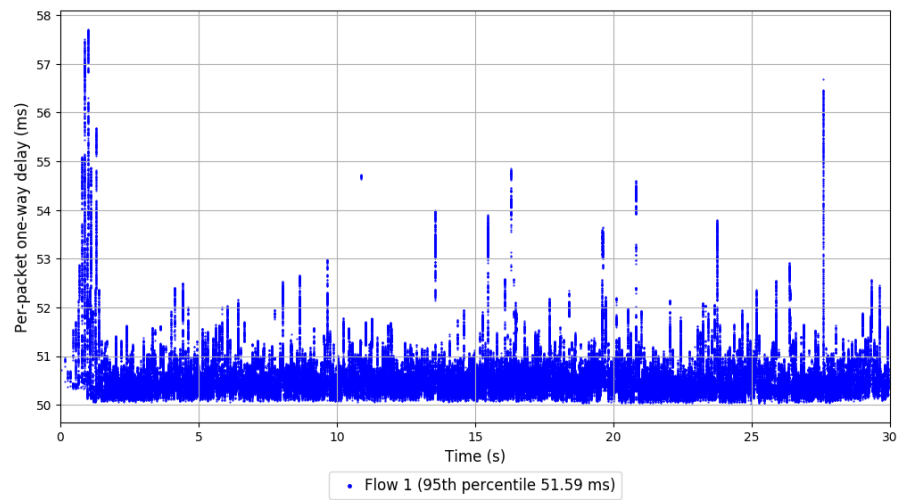
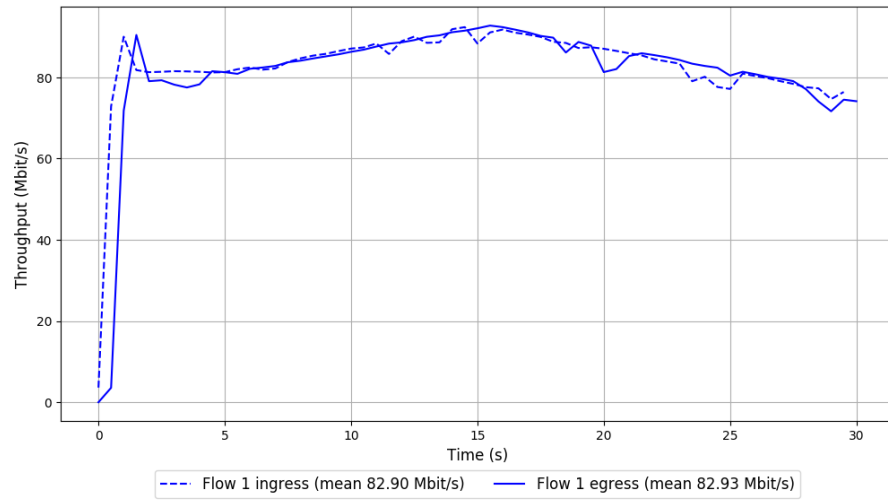
-- Flow 1:

Average throughput: 82.93 Mbit/s

95th percentile per-packet one-way delay: 51.593 ms

Loss rate: 0.31%

Run 1: Report of TCP Vegas — Data Link

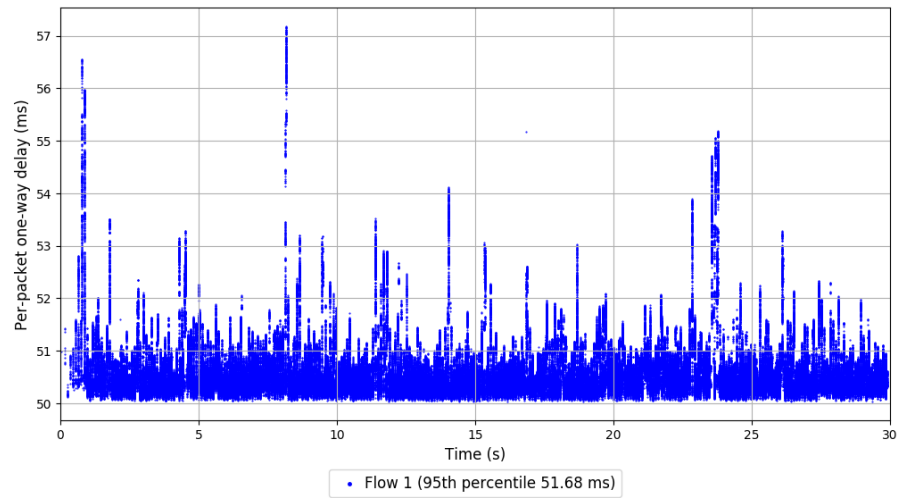
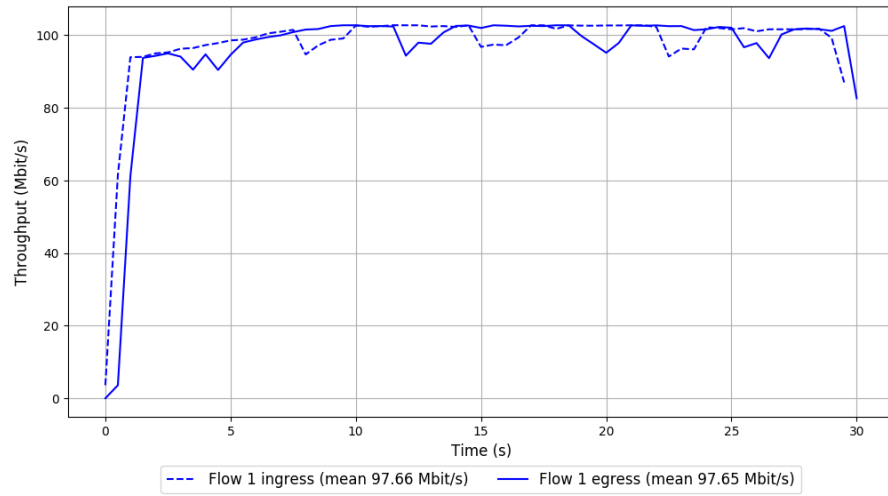


Run 2: Statistics of TCP Vegas

Start at: 2018-08-03 19:06:59
End at: 2018-08-03 19:07:29
Local clock offset: 0.029 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-04 00:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.65 Mbit/s
95th percentile per-packet one-way delay: 51.676 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 97.65 Mbit/s
95th percentile per-packet one-way delay: 51.676 ms
Loss rate: 0.35%

Run 2: Report of TCP Vegas — Data Link

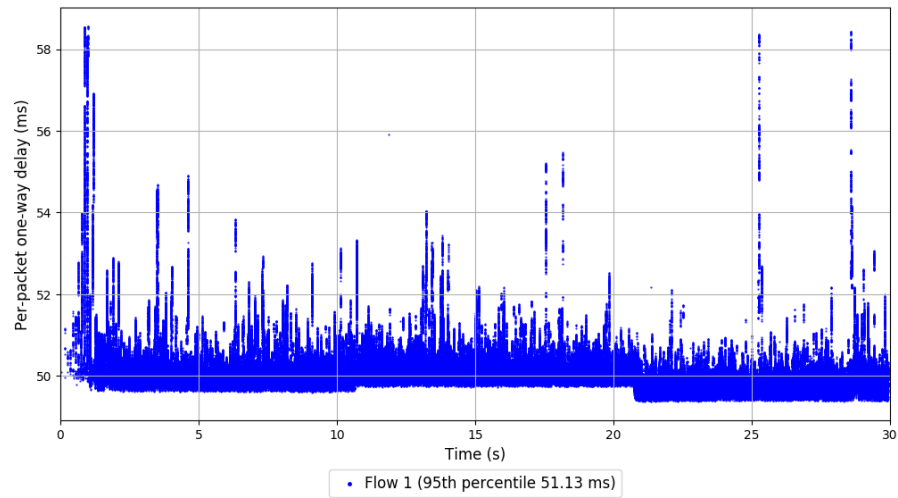
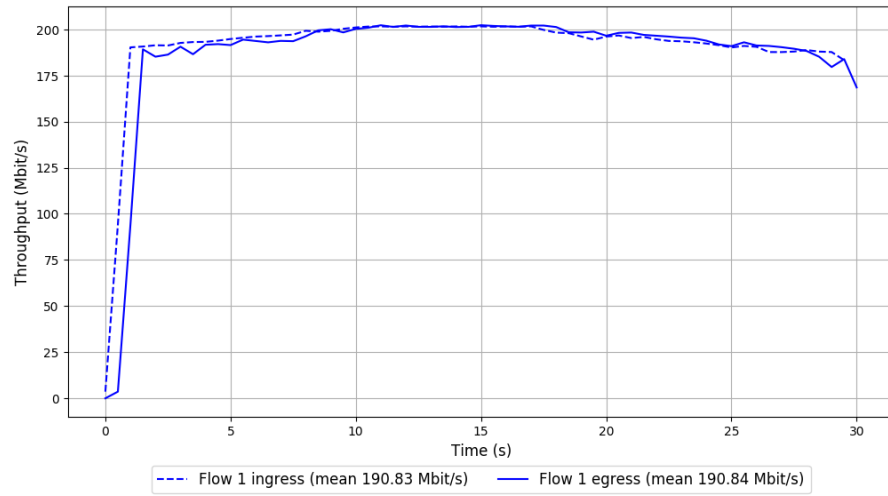


Run 3: Statistics of TCP Vegas

Start at: 2018-08-03 19:29:00
End at: 2018-08-03 19:29:30
Local clock offset: 0.028 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-04 00:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.84 Mbit/s
95th percentile per-packet one-way delay: 51.132 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 190.84 Mbit/s
95th percentile per-packet one-way delay: 51.132 ms
Loss rate: 0.33%

Run 3: Report of TCP Vegas — Data Link

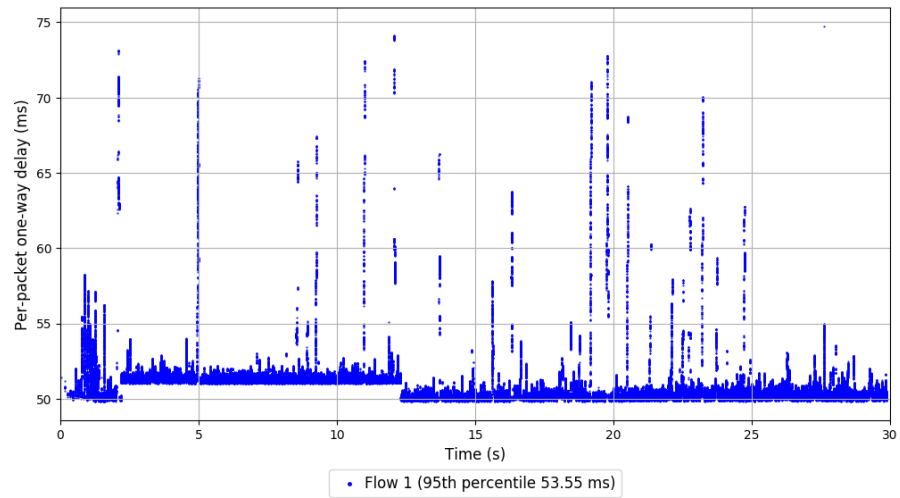
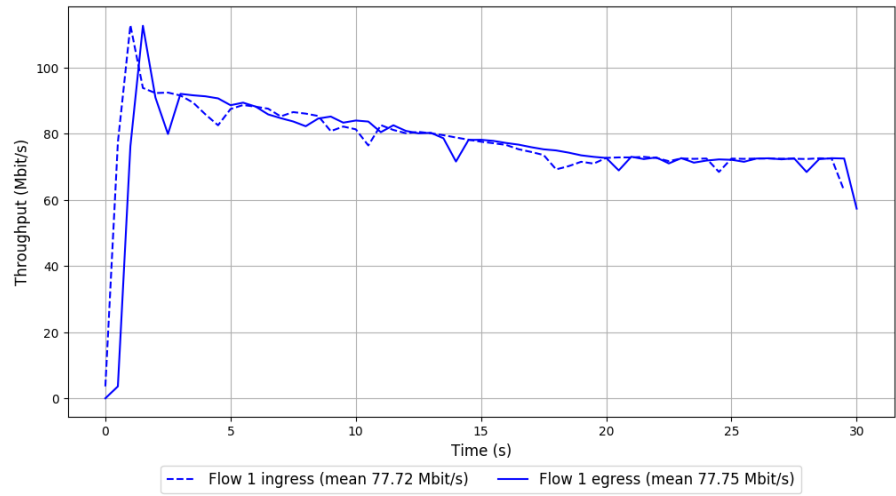


Run 4: Statistics of TCP Vegas

Start at: 2018-08-03 19:50:59
End at: 2018-08-03 19:51:29
Local clock offset: 0.526 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-04 00:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 53.553 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 53.553 ms
Loss rate: 0.31%

Run 4: Report of TCP Vegas — Data Link

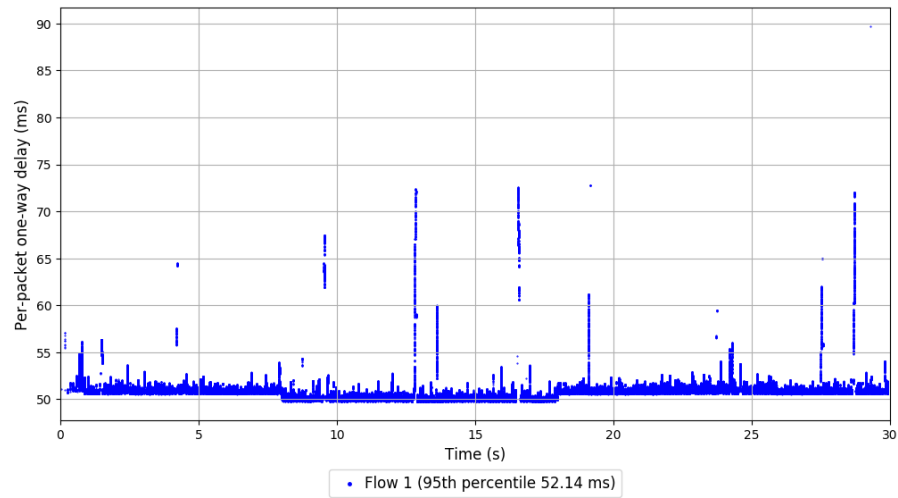
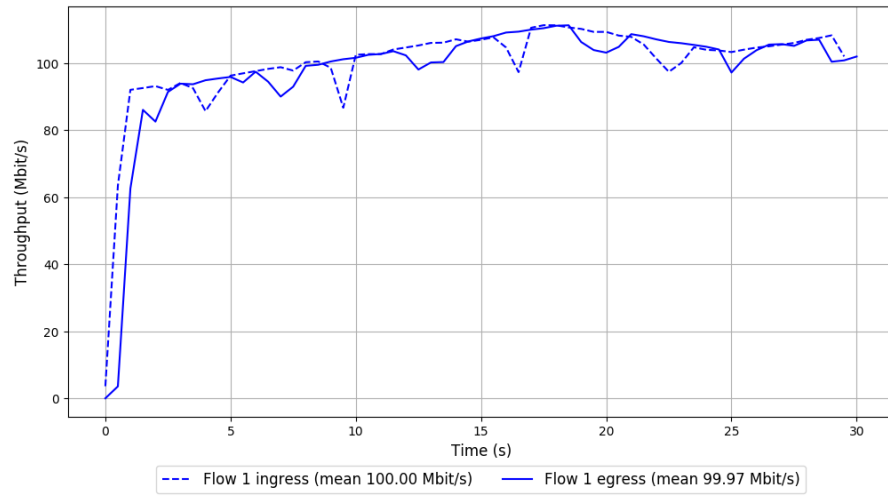


Run 5: Statistics of TCP Vegas

Start at: 2018-08-03 20:12:43
End at: 2018-08-03 20:13:13
Local clock offset: 0.131 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-04 00:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.97 Mbit/s
95th percentile per-packet one-way delay: 52.139 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 99.97 Mbit/s
95th percentile per-packet one-way delay: 52.139 ms
Loss rate: 0.36%

Run 5: Report of TCP Vegas — Data Link

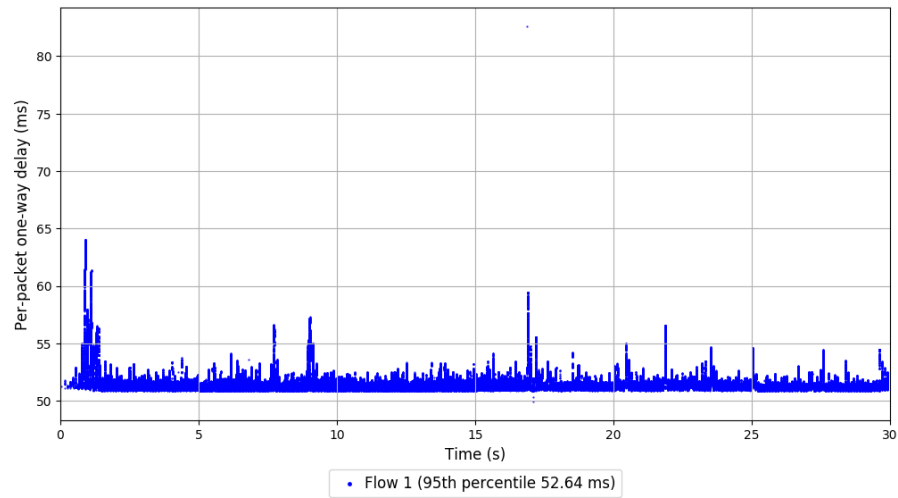
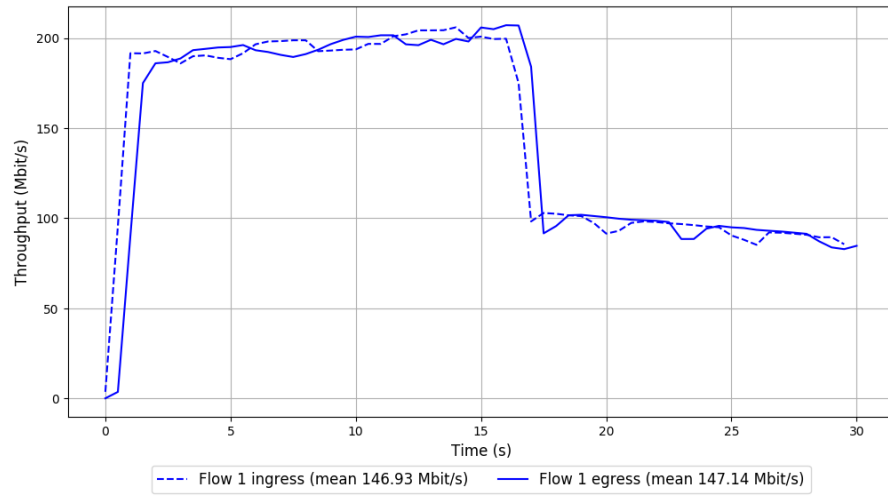


Run 6: Statistics of TCP Vegas

Start at: 2018-08-03 20:34:46
End at: 2018-08-03 20:35:16
Local clock offset: 0.492 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-04 00:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.14 Mbit/s
95th percentile per-packet one-way delay: 52.641 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 147.14 Mbit/s
95th percentile per-packet one-way delay: 52.641 ms
Loss rate: 0.20%

Run 6: Report of TCP Vegas — Data Link

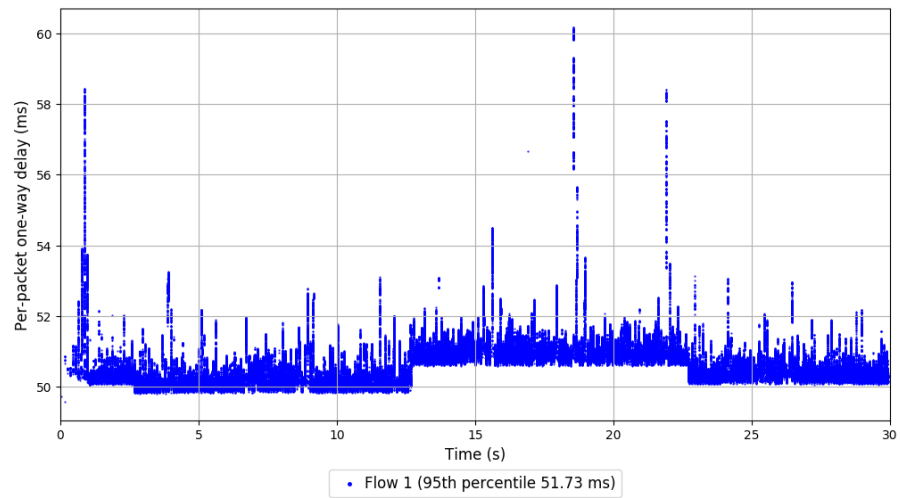
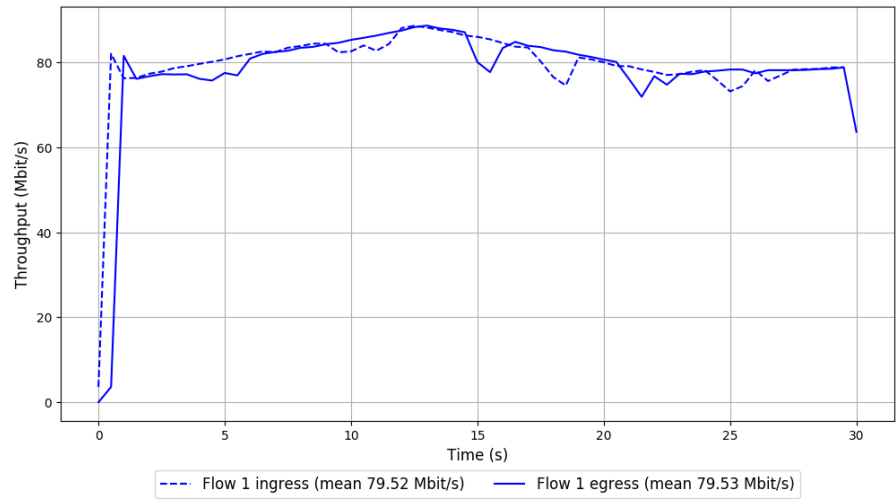


Run 7: Statistics of TCP Vegas

Start at: 2018-08-03 20:56:48
End at: 2018-08-03 20:57:18
Local clock offset: 0.121 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-04 00:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.53 Mbit/s
95th percentile per-packet one-way delay: 51.728 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 79.53 Mbit/s
95th percentile per-packet one-way delay: 51.728 ms
Loss rate: 0.33%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-03 21:18:50

End at: 2018-08-03 21:19:20

Local clock offset: 0.45 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-08-04 00:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.47 Mbit/s

95th percentile per-packet one-way delay: 55.814 ms

Loss rate: 0.25%

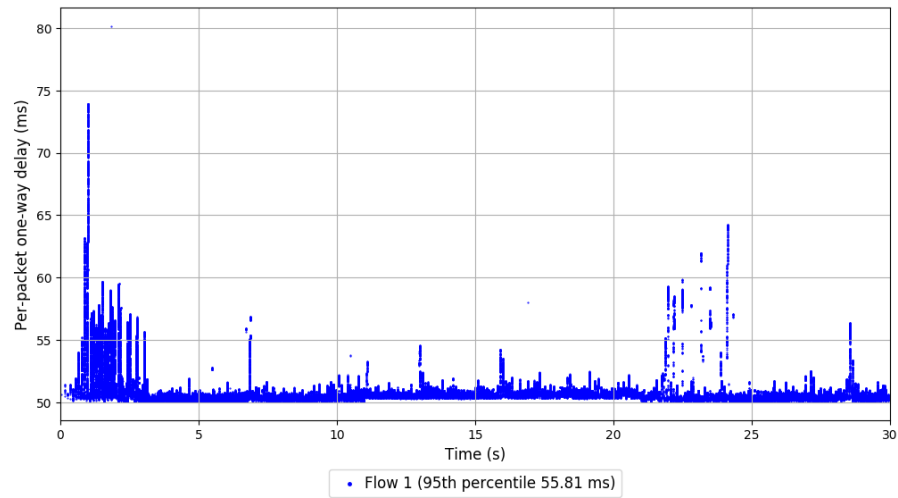
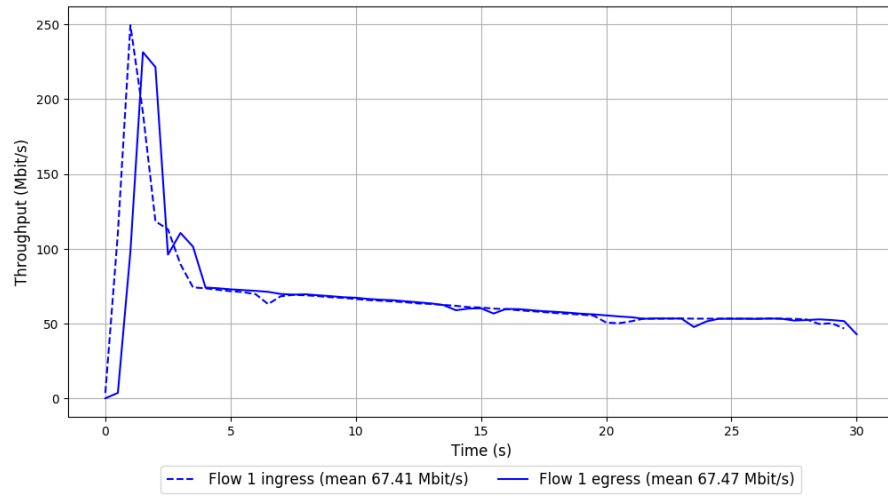
-- Flow 1:

Average throughput: 67.47 Mbit/s

95th percentile per-packet one-way delay: 55.814 ms

Loss rate: 0.25%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-03 21:40:58

End at: 2018-08-03 21:41:28

Local clock offset: 0.146 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-04 00:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.01 Mbit/s

95th percentile per-packet one-way delay: 51.869 ms

Loss rate: 0.37%

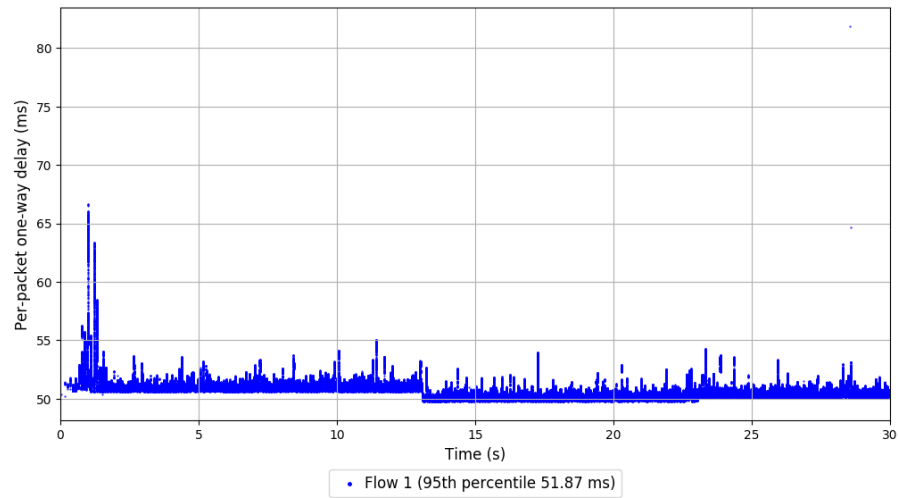
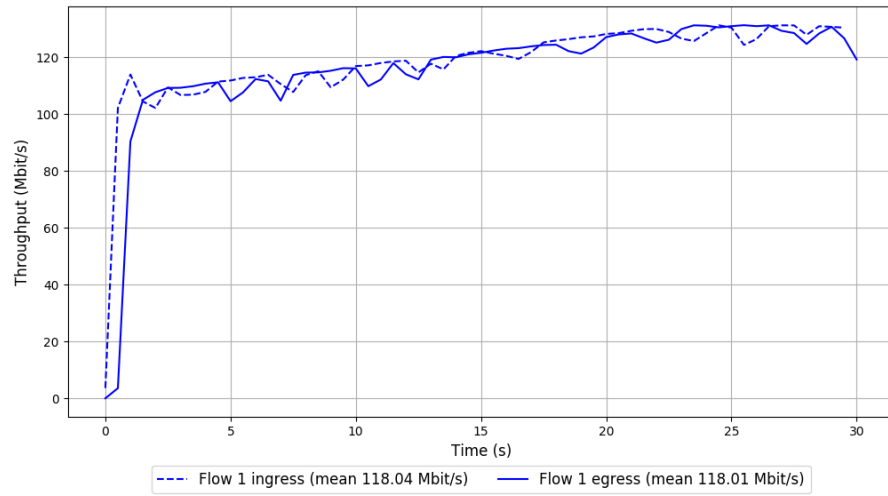
-- Flow 1:

Average throughput: 118.01 Mbit/s

95th percentile per-packet one-way delay: 51.869 ms

Loss rate: 0.37%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-03 22:02:58

End at: 2018-08-03 22:03:28

Local clock offset: -0.3 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-04 00:14:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.18 Mbit/s

95th percentile per-packet one-way delay: 51.160 ms

Loss rate: 0.38%

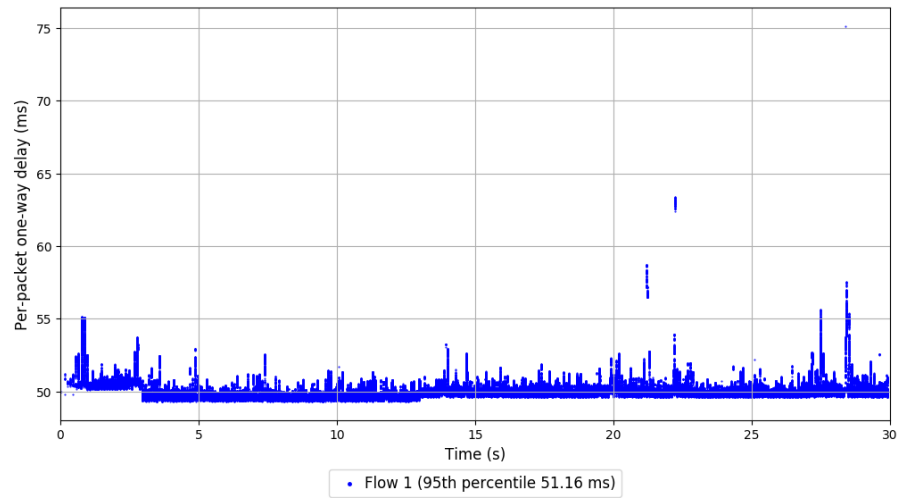
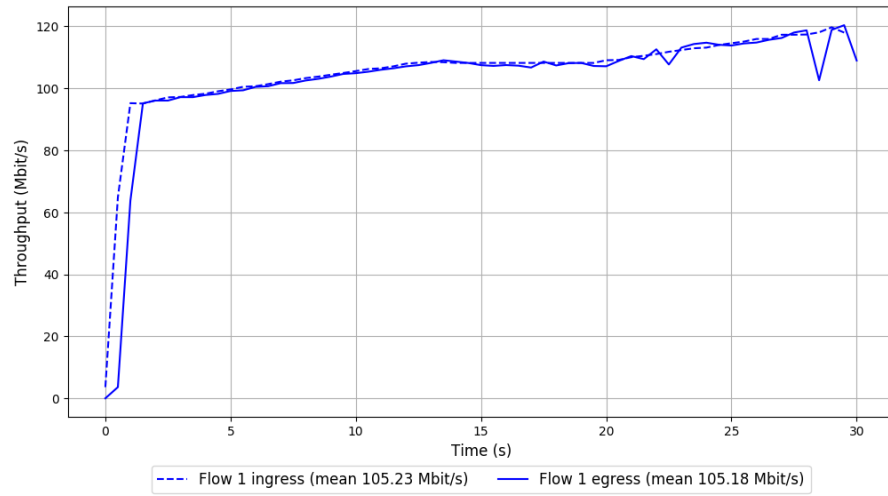
-- Flow 1:

Average throughput: 105.18 Mbit/s

95th percentile per-packet one-way delay: 51.160 ms

Loss rate: 0.38%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-03 18:46:12

End at: 2018-08-03 18:46:42

Local clock offset: -0.354 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-08-04 00:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.47 Mbit/s

95th percentile per-packet one-way delay: 77.461 ms

Loss rate: 0.04%

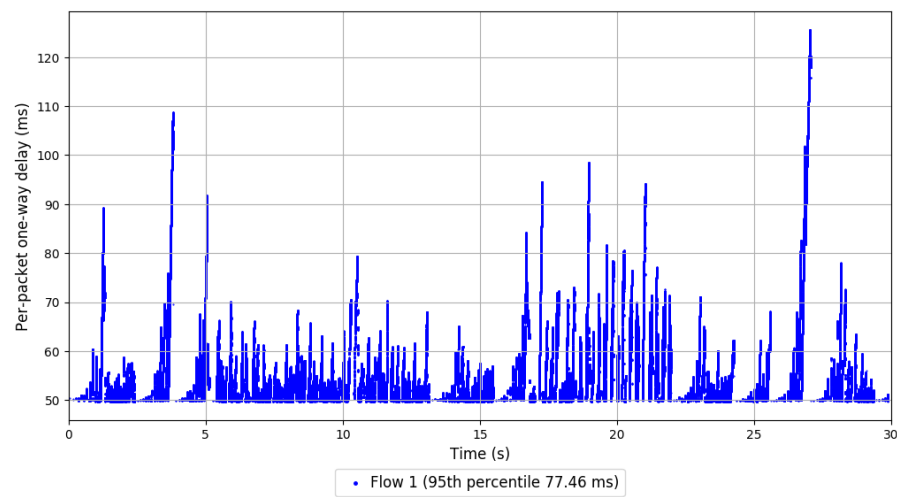
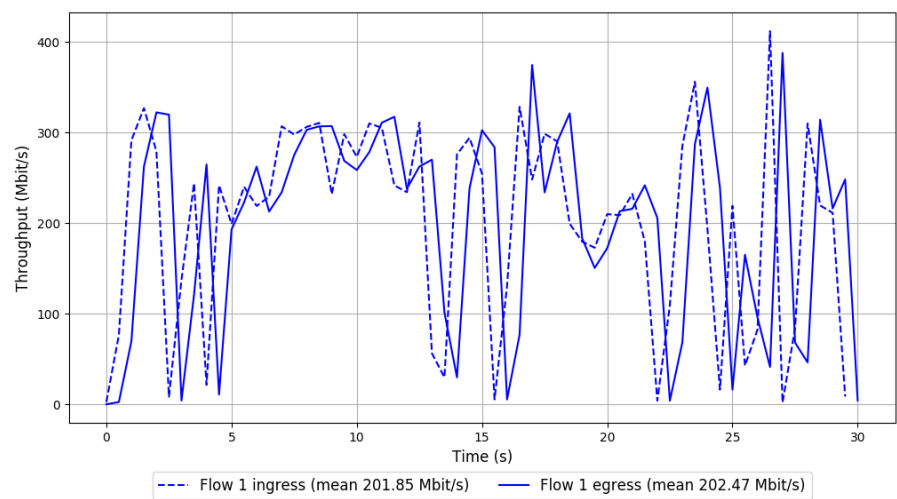
-- Flow 1:

Average throughput: 202.47 Mbit/s

95th percentile per-packet one-way delay: 77.461 ms

Loss rate: 0.04%

Run 1: Report of Verus — Data Link

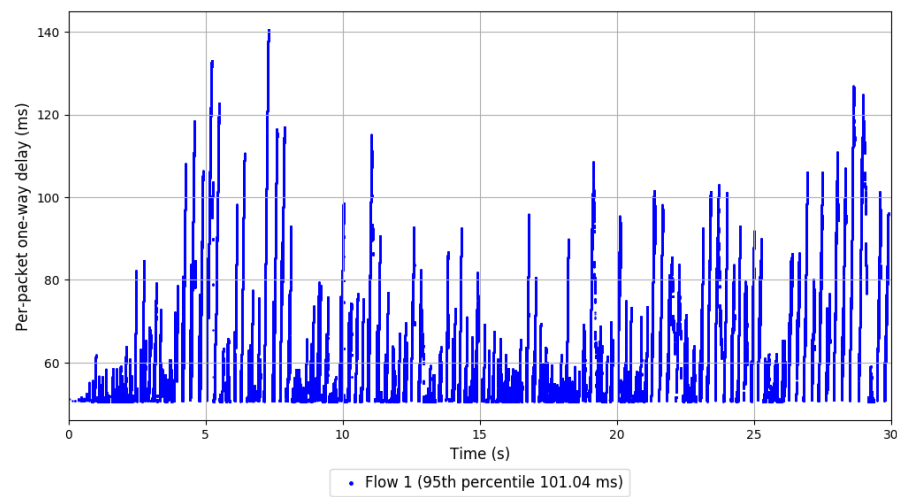
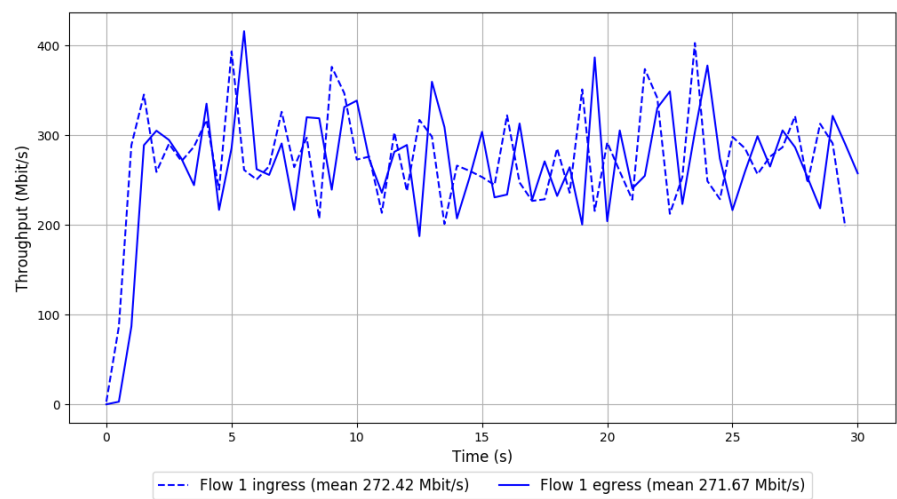


Run 2: Statistics of Verus

Start at: 2018-08-03 19:08:09
End at: 2018-08-03 19:08:39
Local clock offset: 0.422 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-04 00:17:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.67 Mbit/s
95th percentile per-packet one-way delay: 101.043 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 271.67 Mbit/s
95th percentile per-packet one-way delay: 101.043 ms
Loss rate: 0.18%

Run 2: Report of Verus — Data Link

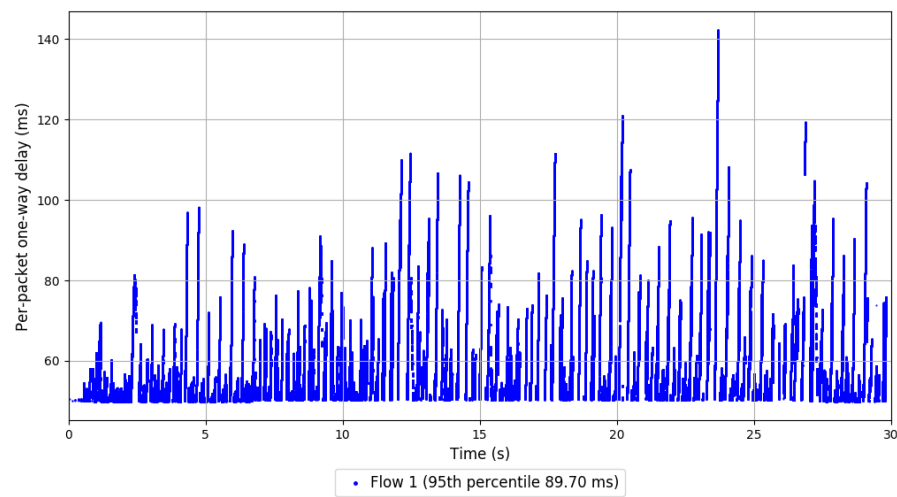
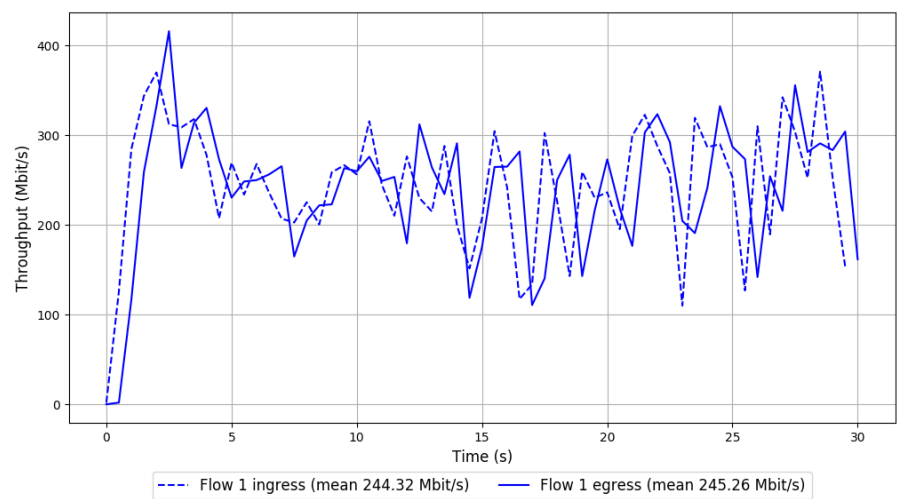


Run 3: Statistics of Verus

Start at: 2018-08-03 19:30:14
End at: 2018-08-03 19:30:44
Local clock offset: 0.444 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-04 00:17:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.26 Mbit/s
95th percentile per-packet one-way delay: 89.699 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 245.26 Mbit/s
95th percentile per-packet one-way delay: 89.699 ms
Loss rate: 0.19%

Run 3: Report of Verus — Data Link

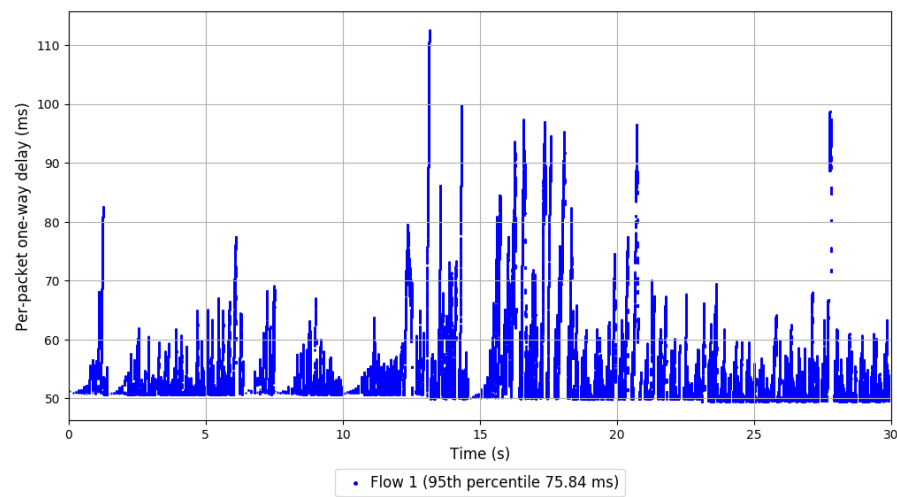
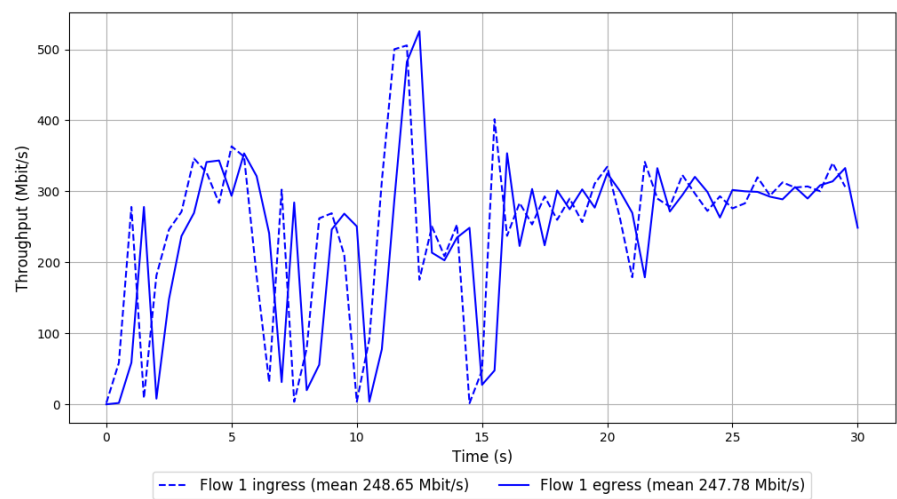


Run 4: Statistics of Verus

Start at: 2018-08-03 19:52:08
End at: 2018-08-03 19:52:38
Local clock offset: 0.132 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-04 00:17:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.78 Mbit/s
95th percentile per-packet one-way delay: 75.839 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 247.78 Mbit/s
95th percentile per-packet one-way delay: 75.839 ms
Loss rate: 0.70%

Run 4: Report of Verus — Data Link

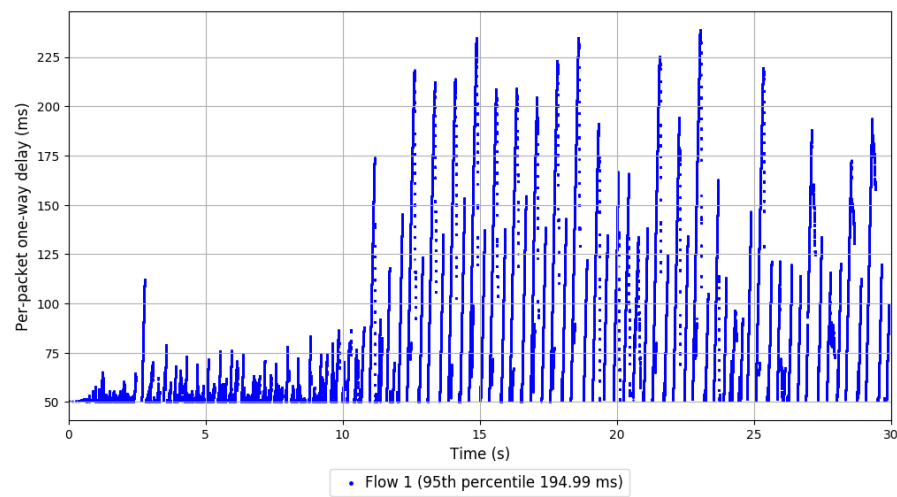
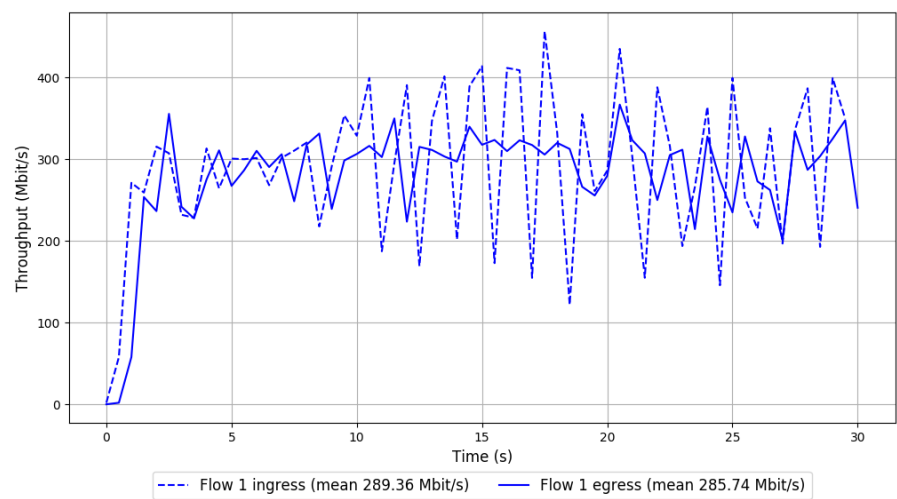


Run 5: Statistics of Verus

Start at: 2018-08-03 20:13:53
End at: 2018-08-03 20:14:23
Local clock offset: 0.489 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-04 00:19:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 285.74 Mbit/s
95th percentile per-packet one-way delay: 194.990 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 285.74 Mbit/s
95th percentile per-packet one-way delay: 194.990 ms
Loss rate: 1.53%

Run 5: Report of Verus — Data Link

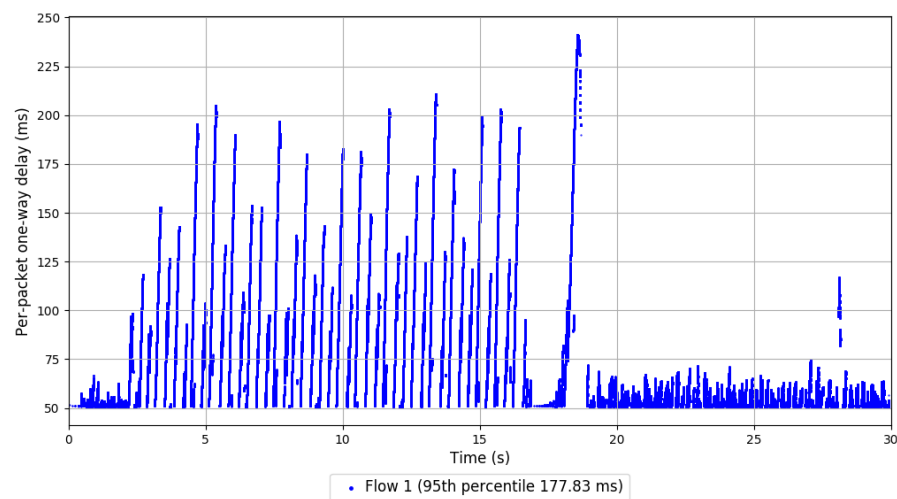
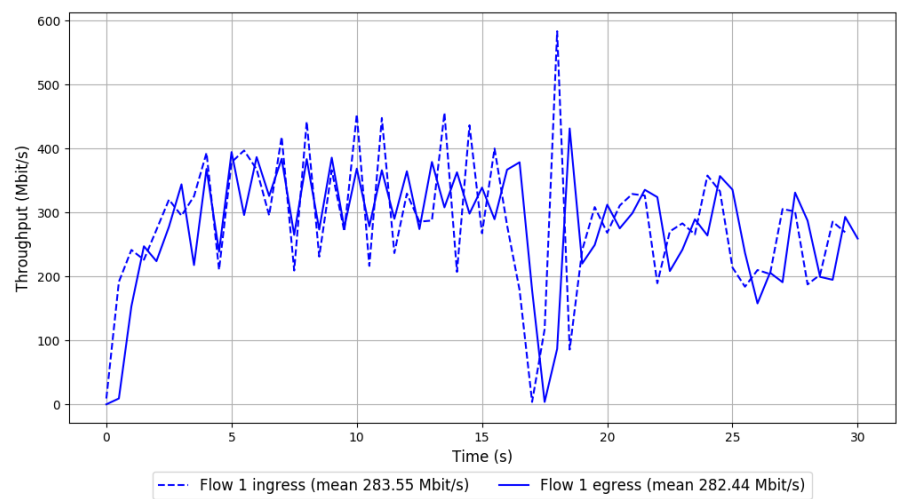


Run 6: Statistics of Verus

Start at: 2018-08-03 20:35:58
End at: 2018-08-03 20:36:28
Local clock offset: 0.178 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-08-04 00:19:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.44 Mbit/s
95th percentile per-packet one-way delay: 177.834 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 282.44 Mbit/s
95th percentile per-packet one-way delay: 177.834 ms
Loss rate: 0.58%

Run 6: Report of Verus — Data Link

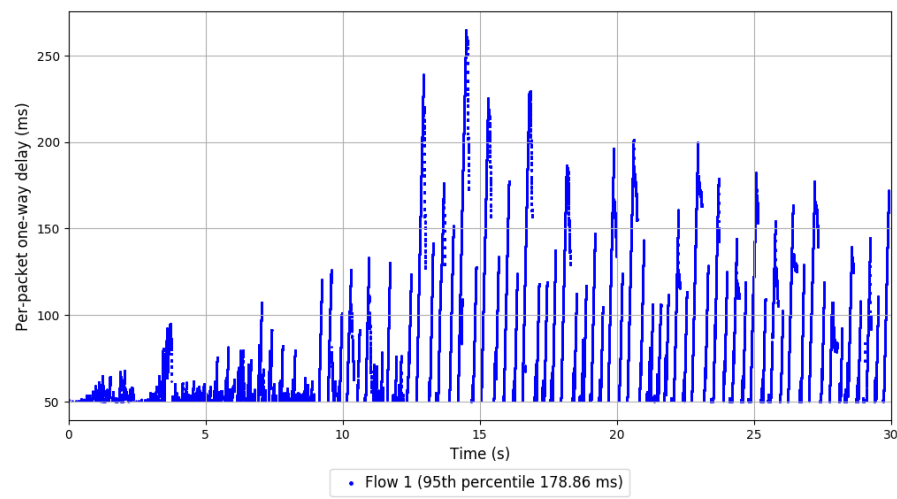
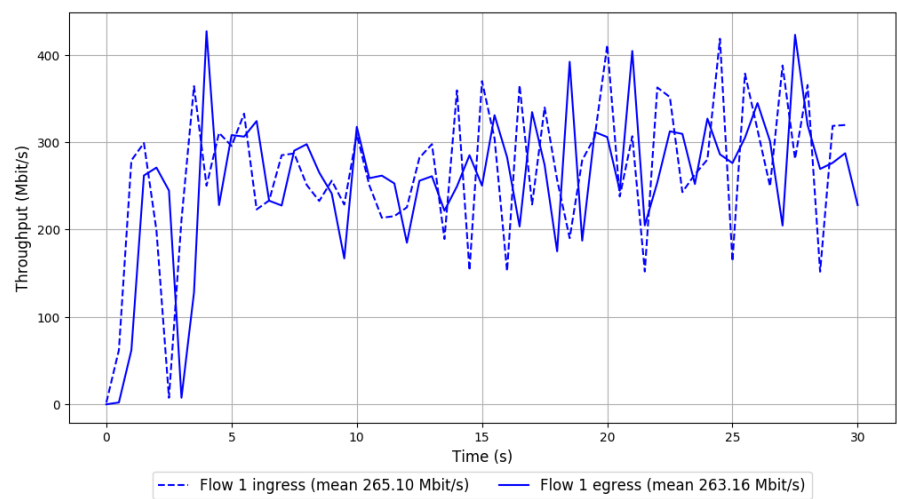


Run 7: Statistics of Verus

Start at: 2018-08-03 20:57:58
End at: 2018-08-03 20:58:28
Local clock offset: 0.113 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-08-04 00:19:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.16 Mbit/s
95th percentile per-packet one-way delay: 178.863 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 263.16 Mbit/s
95th percentile per-packet one-way delay: 178.863 ms
Loss rate: 0.85%

Run 7: Report of Verus — Data Link

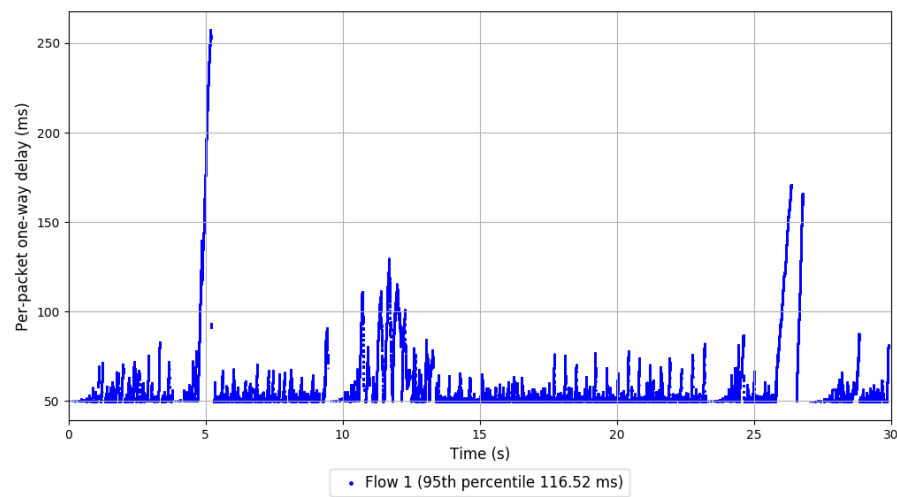
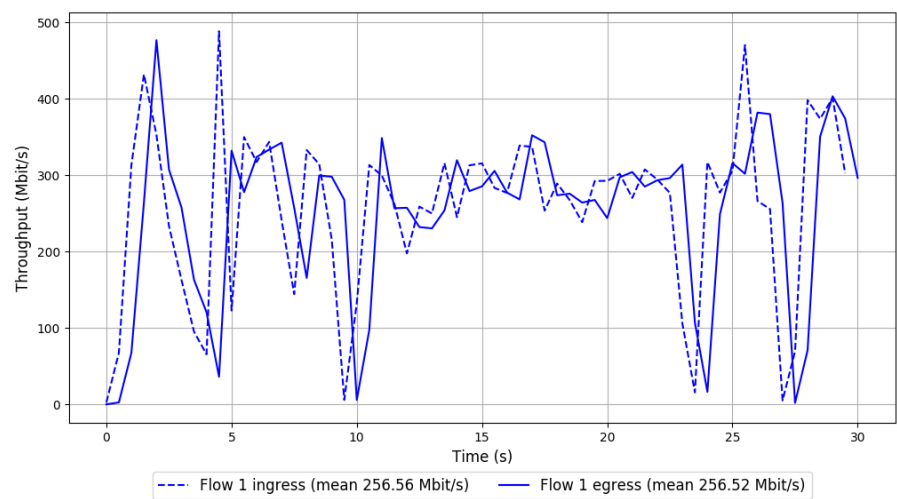


Run 8: Statistics of Verus

Start at: 2018-08-03 21:19:59
End at: 2018-08-03 21:20:29
Local clock offset: 0.132 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-04 00:20:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.52 Mbit/s
95th percentile per-packet one-way delay: 116.524 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 256.52 Mbit/s
95th percentile per-packet one-way delay: 116.524 ms
Loss rate: 0.36%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-03 21:42:10

End at: 2018-08-03 21:42:40

Local clock offset: 0.448 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-04 00:20:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.21 Mbit/s

95th percentile per-packet one-way delay: 71.672 ms

Loss rate: 0.22%

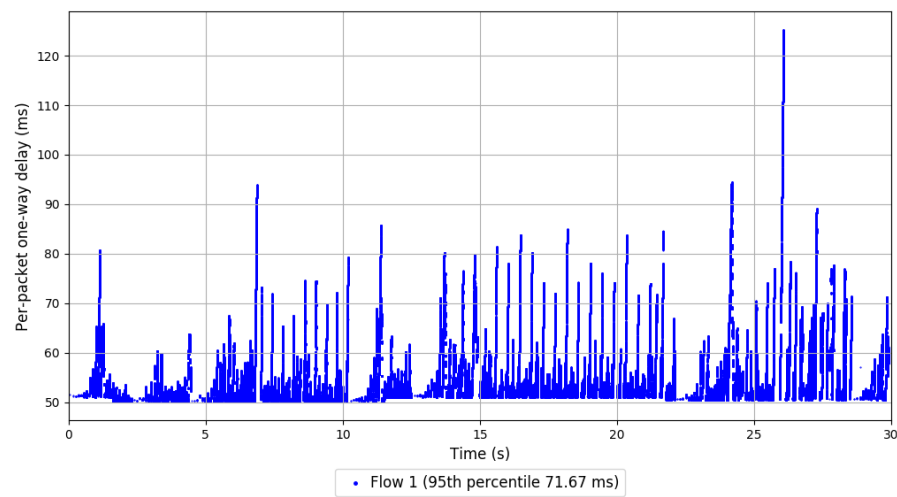
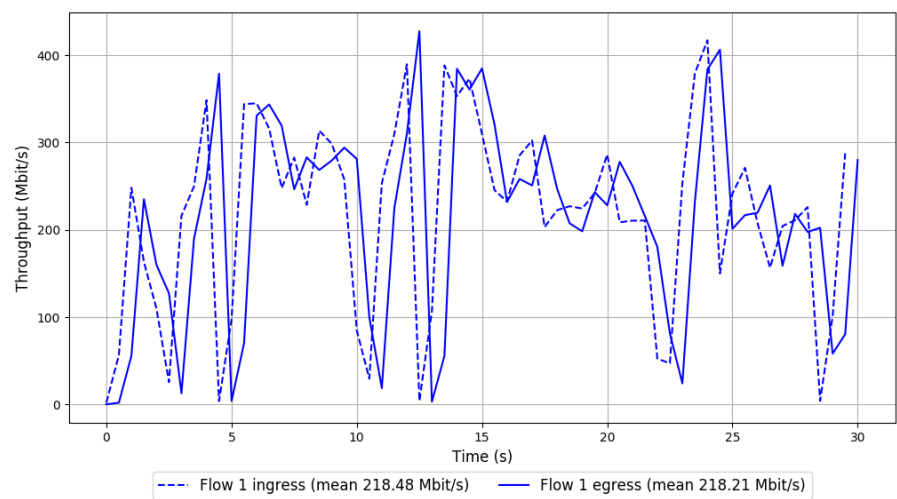
-- Flow 1:

Average throughput: 218.21 Mbit/s

95th percentile per-packet one-way delay: 71.672 ms

Loss rate: 0.22%

Run 9: Report of Verus — Data Link

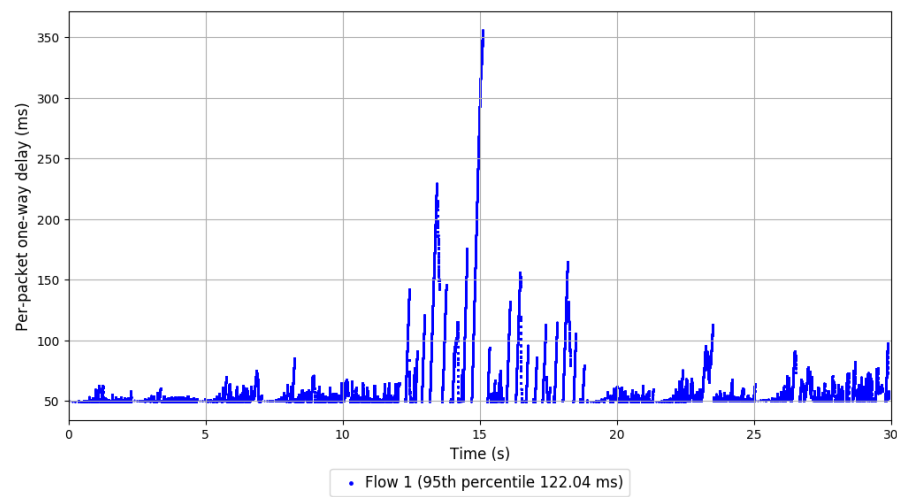
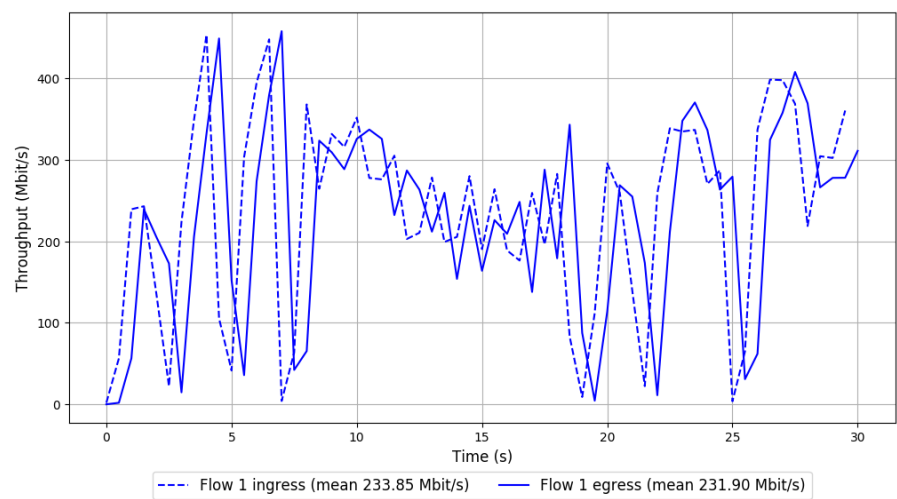


Run 10: Statistics of Verus

Start at: 2018-08-03 22:04:09
End at: 2018-08-03 22:04:39
Local clock offset: -0.314 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-04 00:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.90 Mbit/s
95th percentile per-packet one-way delay: 122.038 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 231.90 Mbit/s
95th percentile per-packet one-way delay: 122.038 ms
Loss rate: 1.17%

Run 10: Report of Verus — Data Link

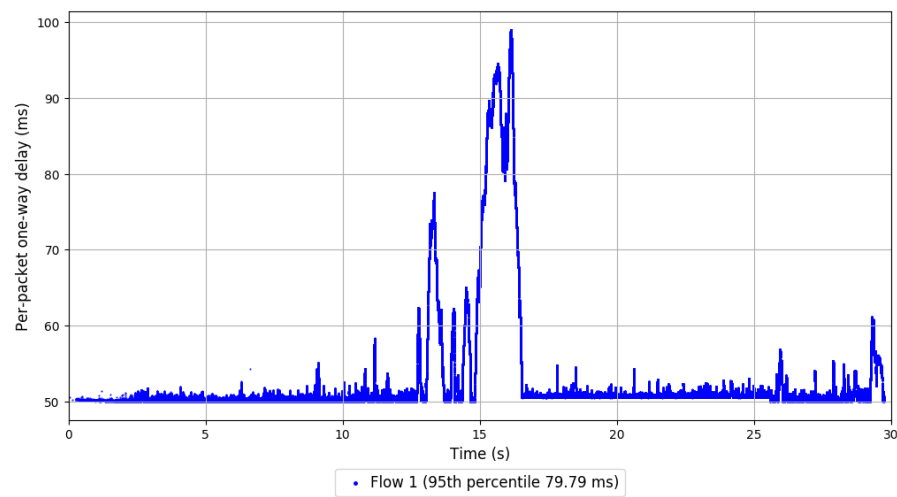
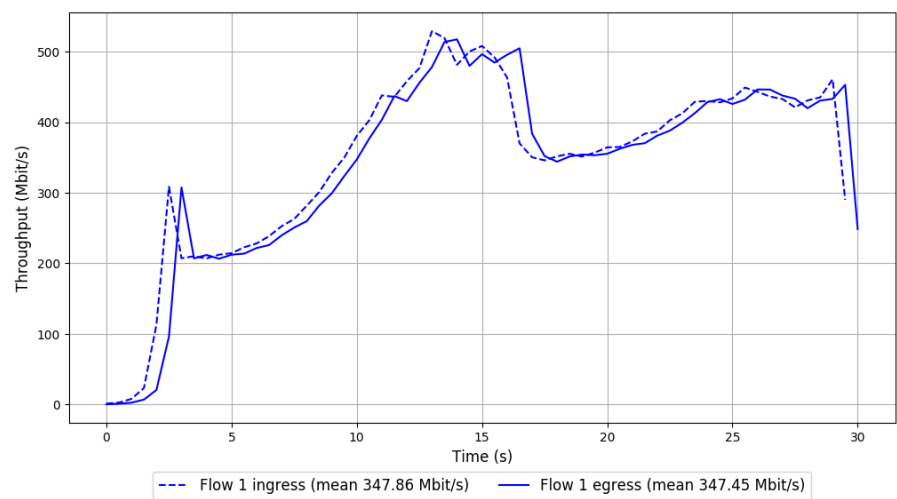


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-08-03 18:40:55
End at: 2018-08-03 18:41:25
Local clock offset: 0.021 ms
Remote clock offset: 0.096 ms

# Below is generated by plot.py at 2018-08-04 00:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.45 Mbit/s
95th percentile per-packet one-way delay: 79.792 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 347.45 Mbit/s
95th percentile per-packet one-way delay: 79.792 ms
Loss rate: 0.46%
```

Run 1: Report of PCC-Vivace — Data Link

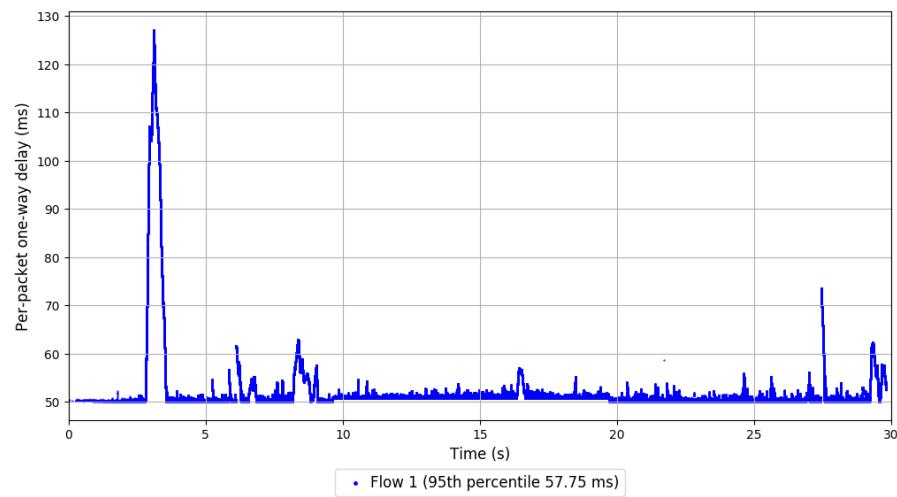
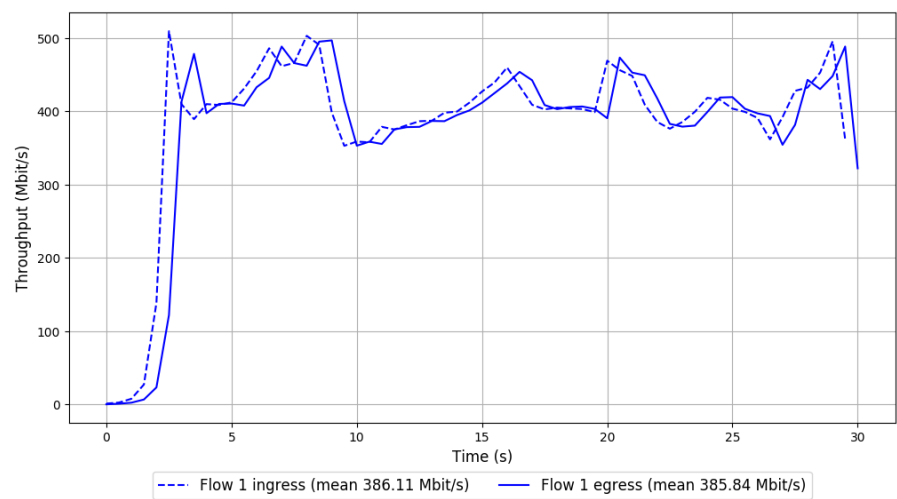


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-03 19:02:41
End at: 2018-08-03 19:03:11
Local clock offset: 0.101 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-04 00:25:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.84 Mbit/s
95th percentile per-packet one-way delay: 57.751 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 385.84 Mbit/s
95th percentile per-packet one-way delay: 57.751 ms
Loss rate: 0.41%

Run 2: Report of PCC-Vivace — Data Link

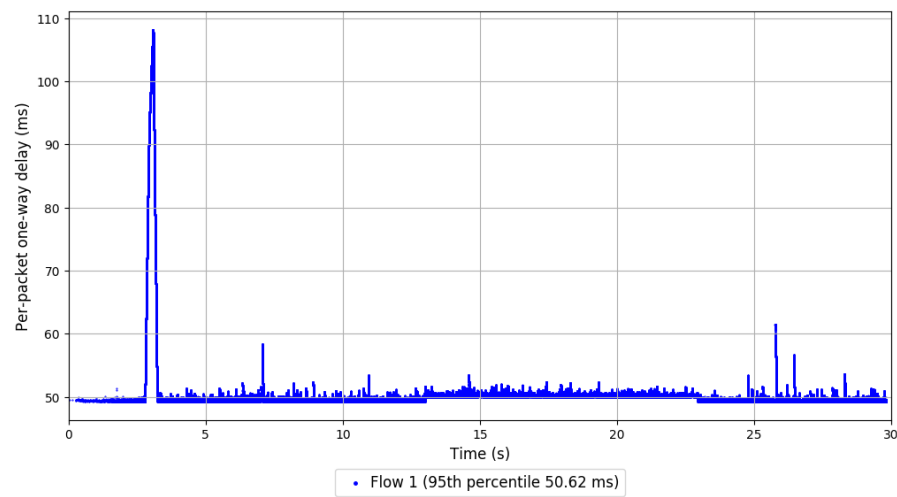
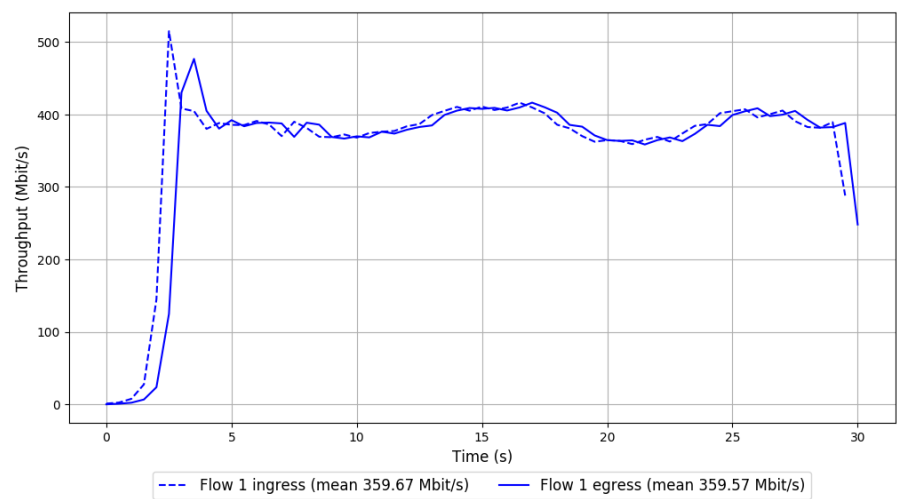


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-03 19:24:38
End at: 2018-08-03 19:25:08
Local clock offset: -0.303 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-04 00:26:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 359.57 Mbit/s
95th percentile per-packet one-way delay: 50.625 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 359.57 Mbit/s
95th percentile per-packet one-way delay: 50.625 ms
Loss rate: 0.36%

Run 3: Report of PCC-Vivace — Data Link

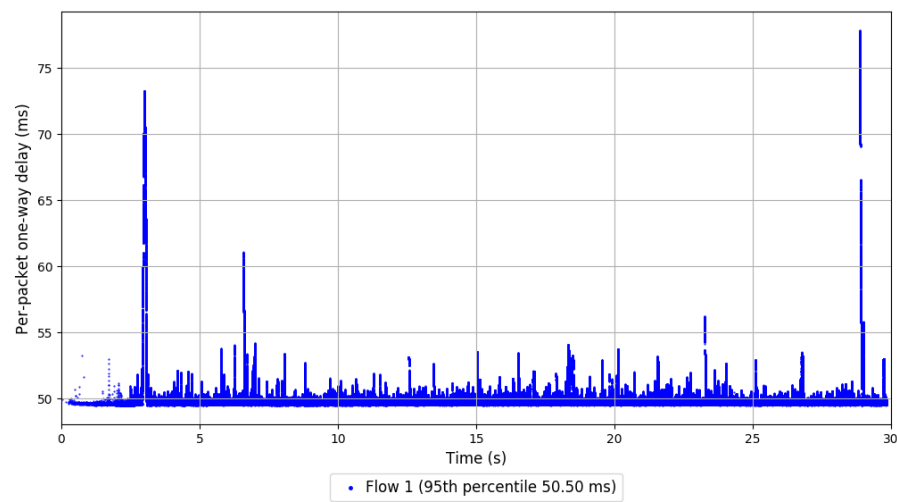
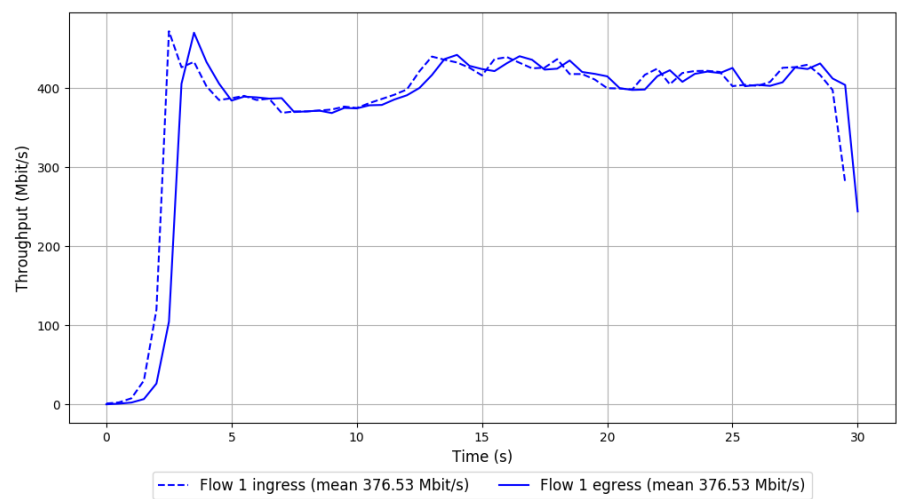


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-03 19:46:41
End at: 2018-08-03 19:47:11
Local clock offset: 0.125 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-04 00:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 376.53 Mbit/s
95th percentile per-packet one-way delay: 50.503 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 376.53 Mbit/s
95th percentile per-packet one-way delay: 50.503 ms
Loss rate: 0.34%

Run 4: Report of PCC-Vivace — Data Link

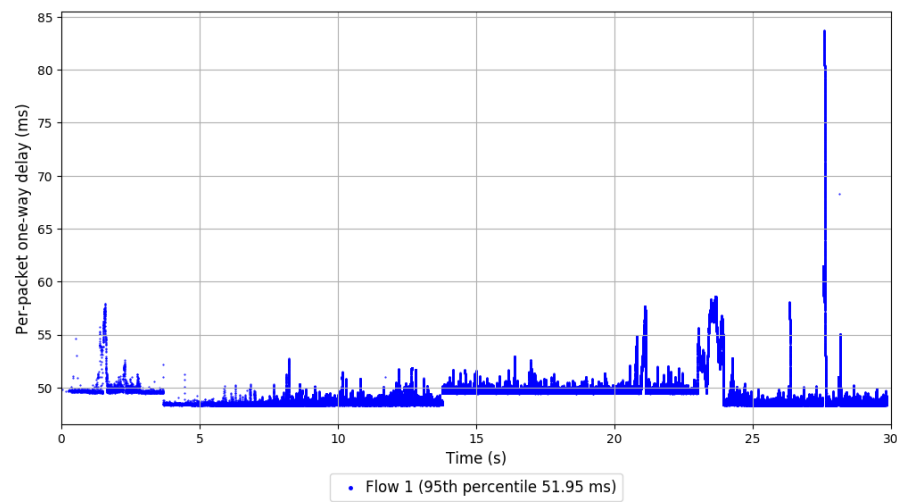
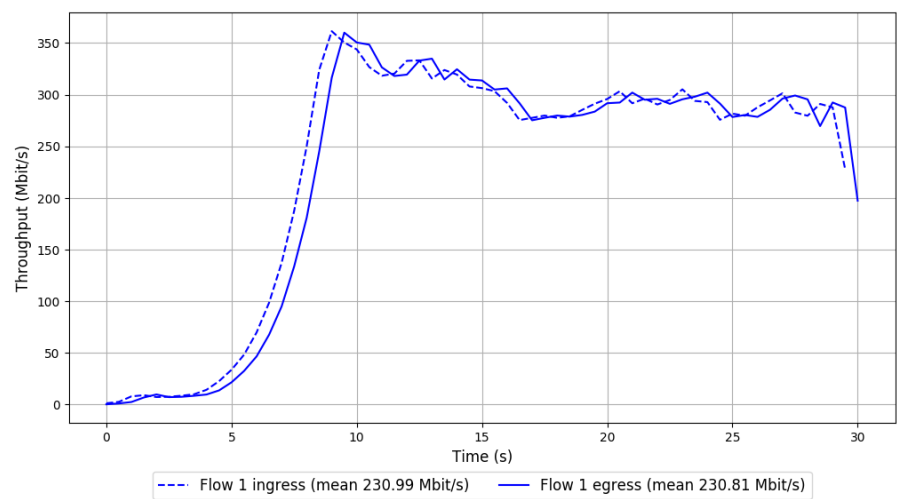


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-03 20:08:27
End at: 2018-08-03 20:08:57
Local clock offset: -0.192 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-04 00:27:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.81 Mbit/s
95th percentile per-packet one-way delay: 51.953 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 230.81 Mbit/s
95th percentile per-packet one-way delay: 51.953 ms
Loss rate: 0.42%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-03 20:30:26

End at: 2018-08-03 20:30:56

Local clock offset: 0.155 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-04 00:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.17 Mbit/s

95th percentile per-packet one-way delay: 52.150 ms

Loss rate: 0.44%

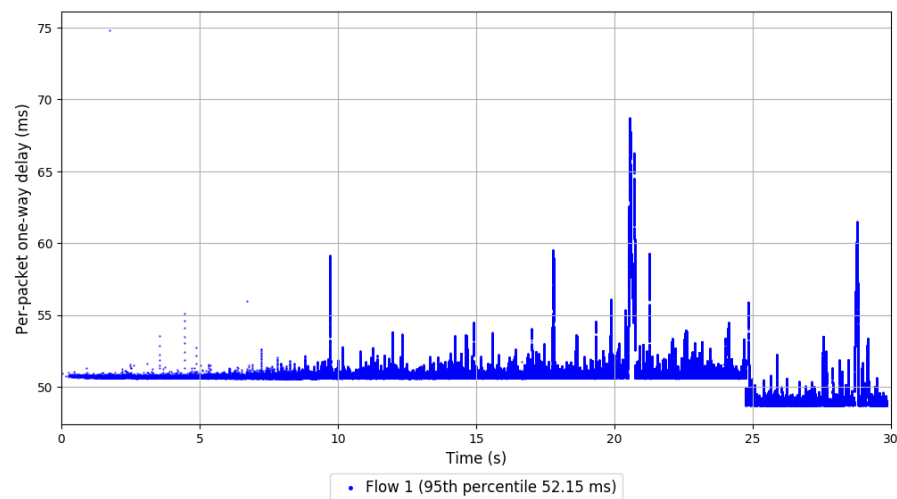
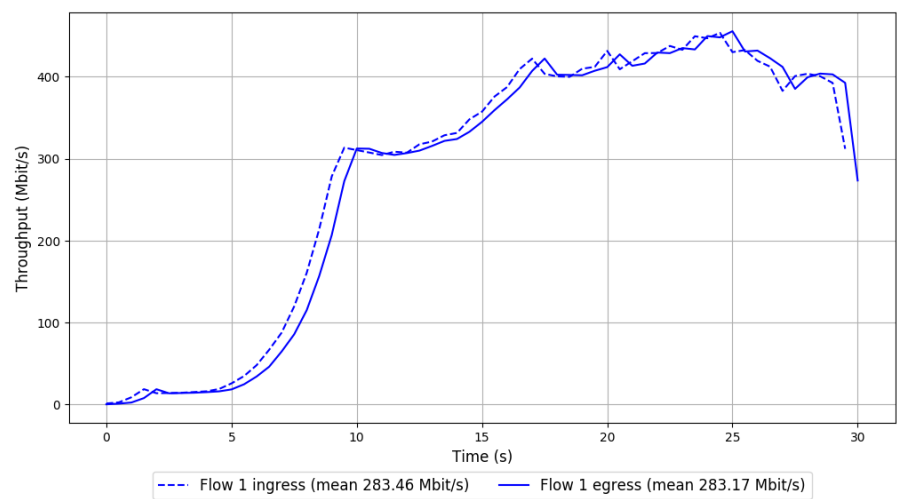
-- Flow 1:

Average throughput: 283.17 Mbit/s

95th percentile per-packet one-way delay: 52.150 ms

Loss rate: 0.44%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-03 20:52:29

End at: 2018-08-03 20:52:59

Local clock offset: 0.127 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-04 00:27:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.08 Mbit/s

95th percentile per-packet one-way delay: 50.922 ms

Loss rate: 0.43%

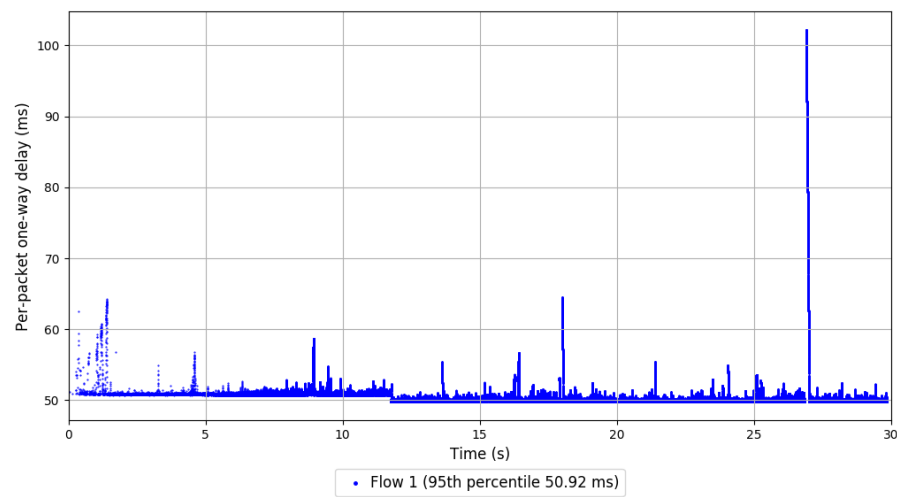
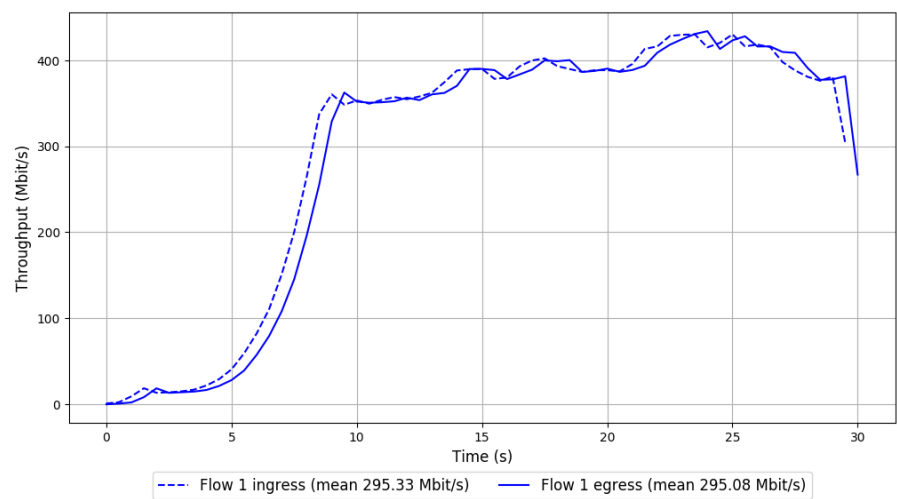
-- Flow 1:

Average throughput: 295.08 Mbit/s

95th percentile per-packet one-way delay: 50.922 ms

Loss rate: 0.43%

Run 7: Report of PCC-Vivace — Data Link

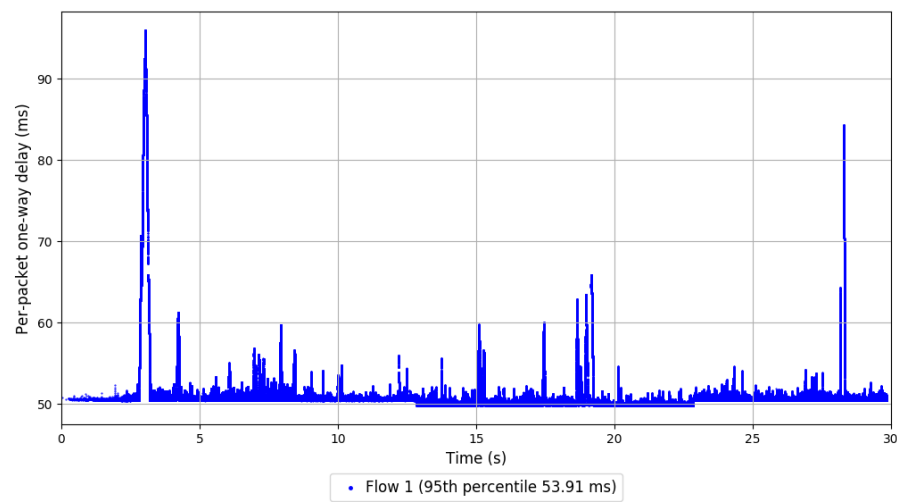
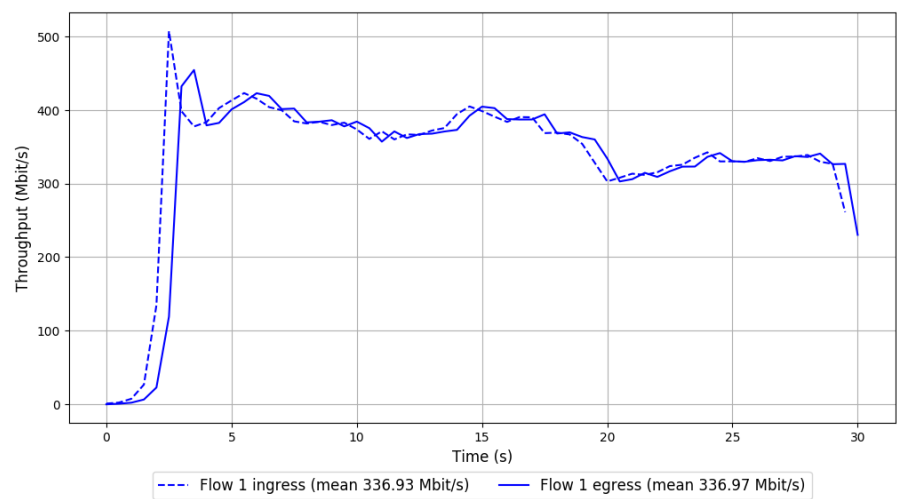


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-03 21:14:28
End at: 2018-08-03 21:14:58
Local clock offset: -0.209 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-04 00:27:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.97 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 336.97 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.33%

Run 8: Report of PCC-Vivace — Data Link

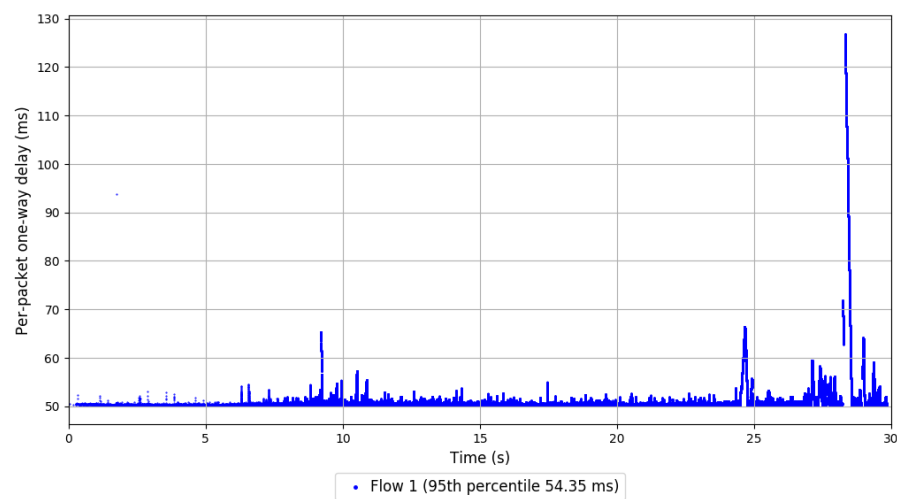
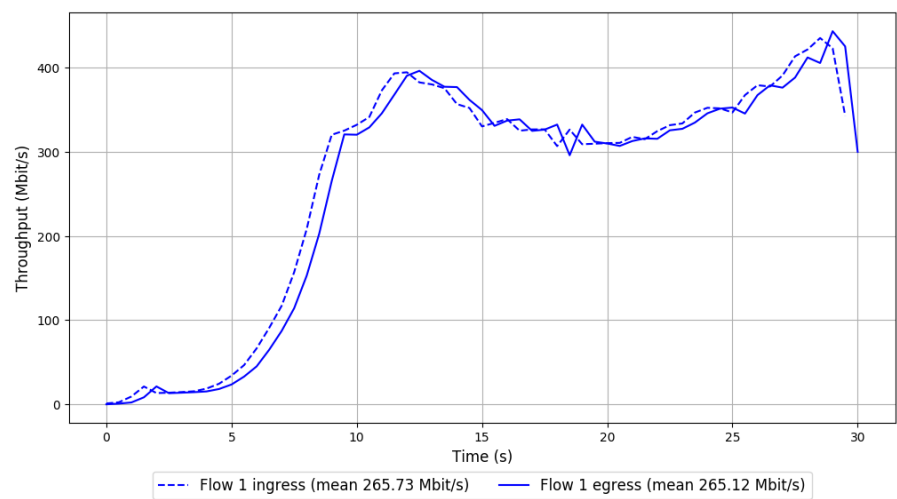


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-03 21:36:38
End at: 2018-08-03 21:37:08
Local clock offset: -0.183 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.12 Mbit/s
95th percentile per-packet one-way delay: 54.353 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 265.12 Mbit/s
95th percentile per-packet one-way delay: 54.353 ms
Loss rate: 0.57%

Run 9: Report of PCC-Vivace — Data Link

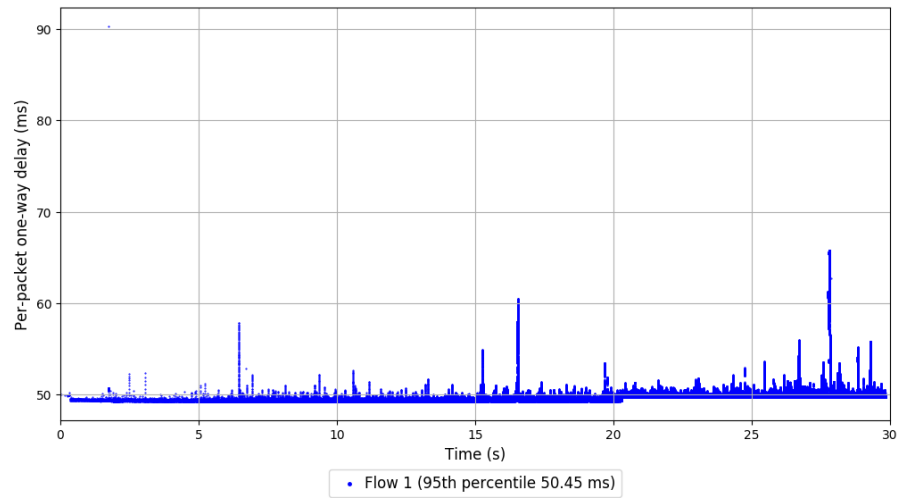
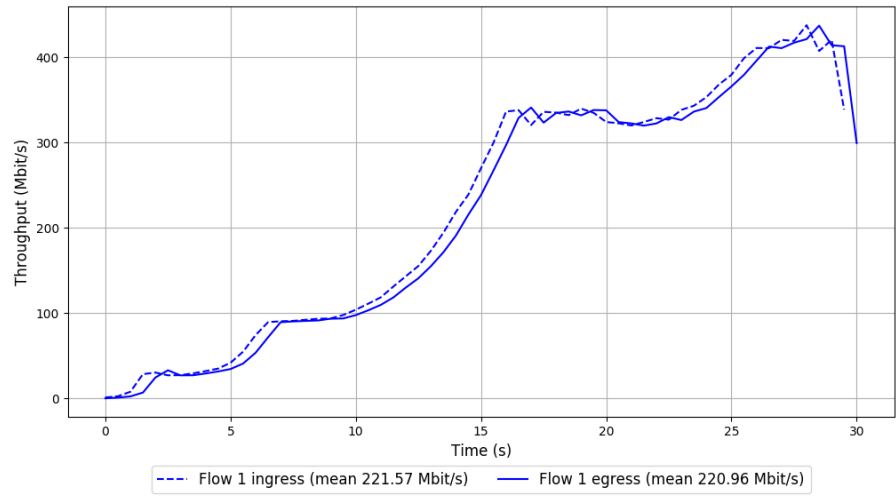


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-03 21:58:41
End at: 2018-08-03 21:59:11
Local clock offset: -0.28 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.96 Mbit/s
95th percentile per-packet one-way delay: 50.453 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 220.96 Mbit/s
95th percentile per-packet one-way delay: 50.453 ms
Loss rate: 0.61%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

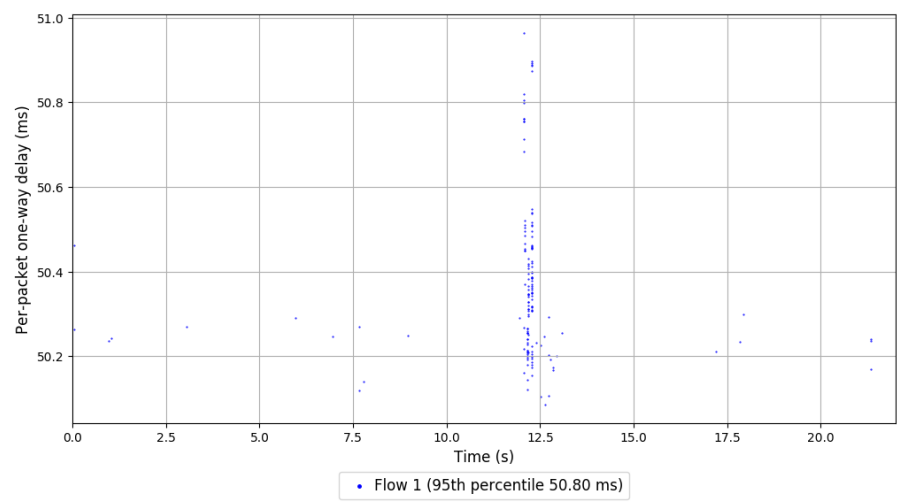
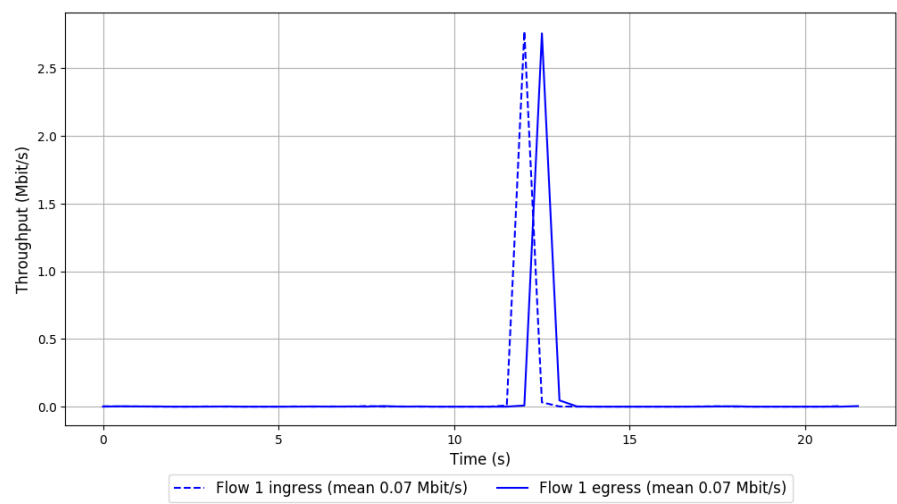
Start at: 2018-08-03 18:52:23

End at: 2018-08-03 18:52:53

Local clock offset: 0.003 ms

Remote clock offset: 0.069 ms

Run 1: Report of WebRTC media — Data Link

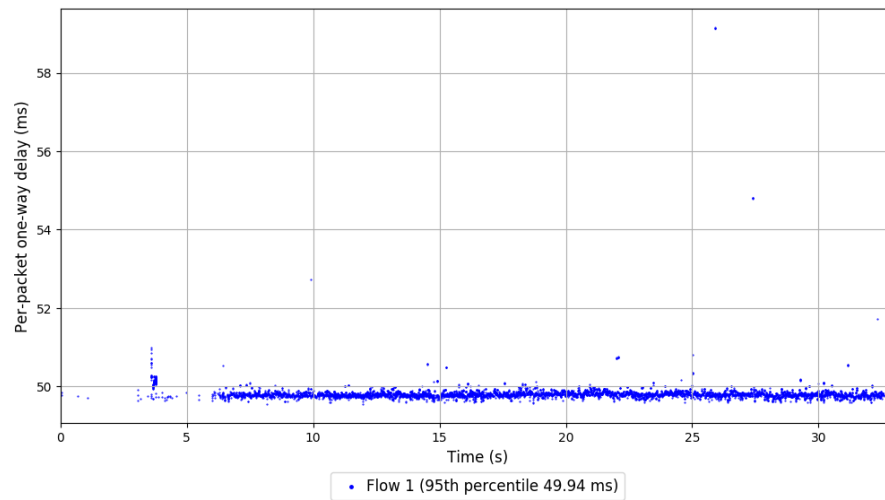
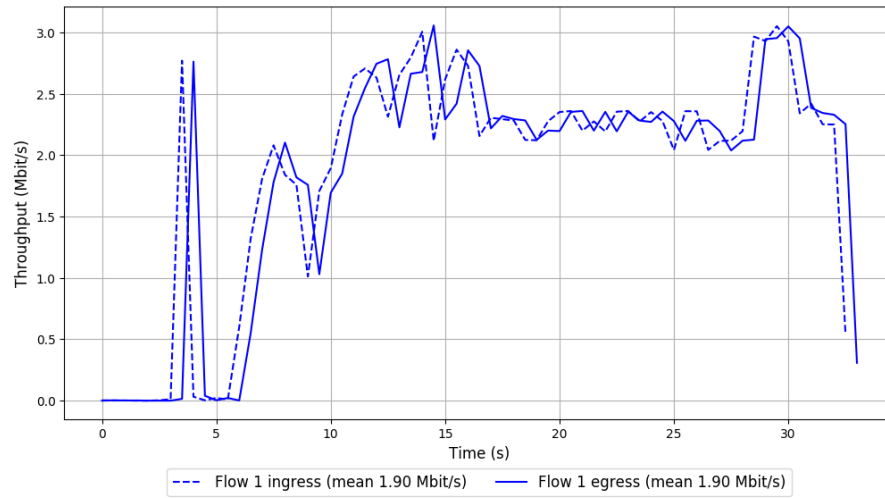


Run 2: Statistics of WebRTC media

Start at: 2018-08-03 19:14:23
End at: 2018-08-03 19:14:53
Local clock offset: -0.264 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 49.941 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 49.941 ms
Loss rate: 0.37%

Run 2: Report of WebRTC media — Data Link

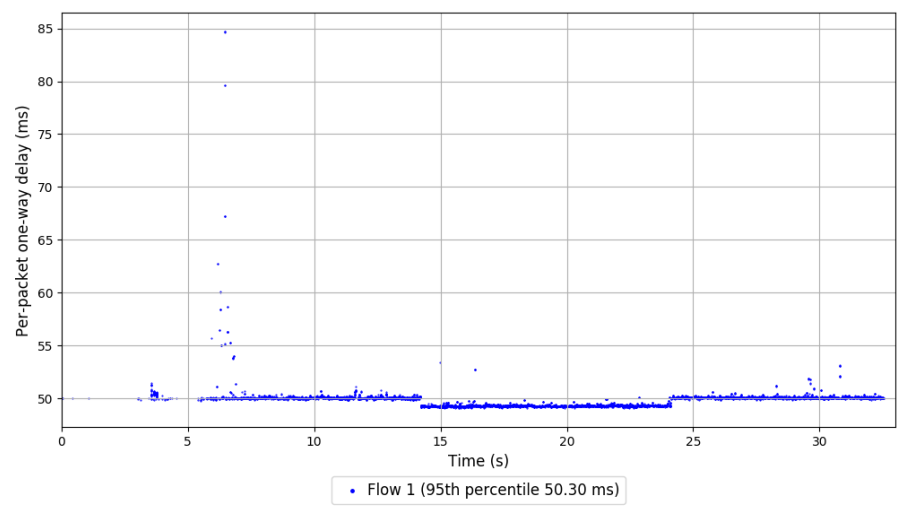
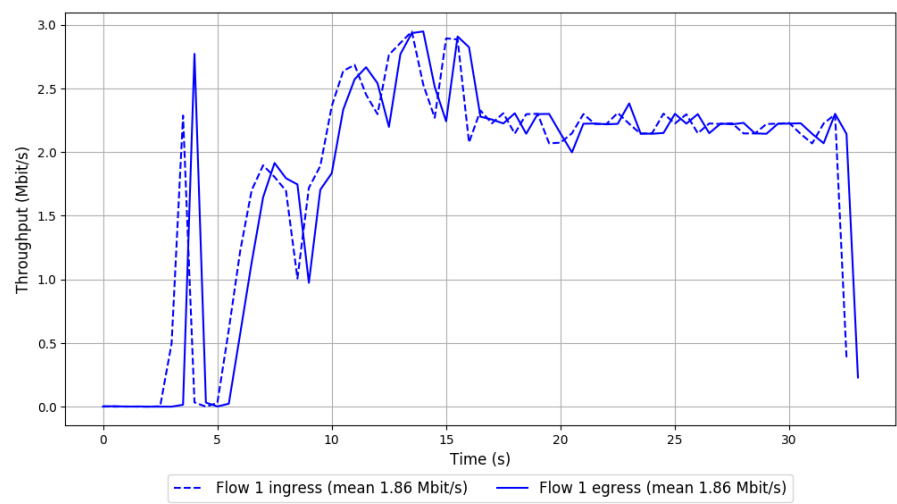


Run 3: Statistics of WebRTC media

Start at: 2018-08-03 19:36:29
End at: 2018-08-03 19:37:00
Local clock offset: 0.437 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 50.298 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 50.298 ms
Loss rate: 0.38%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-03 19:58:23

End at: 2018-08-03 19:58:53

Local clock offset: 0.124 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-04 00:27:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

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

Loss rate: 0.38%

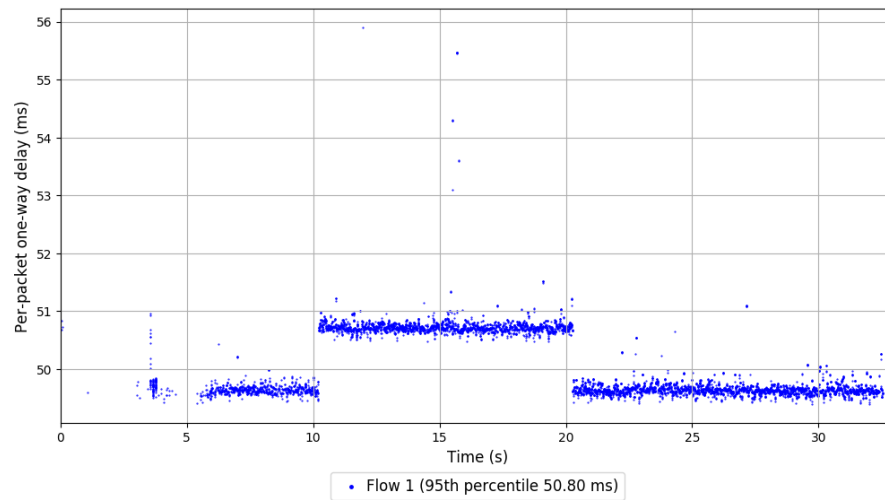
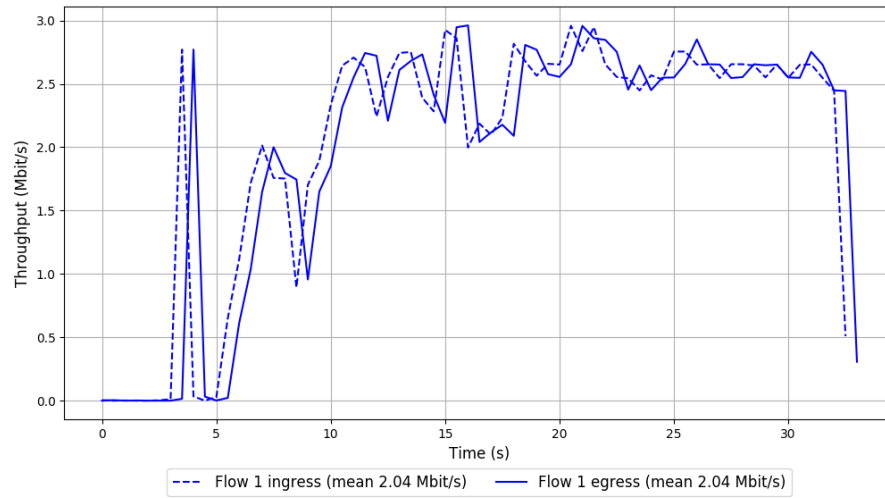
-- Flow 1:

Average throughput: 2.04 Mbit/s

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

Loss rate: 0.38%

Run 4: Report of WebRTC media — Data Link

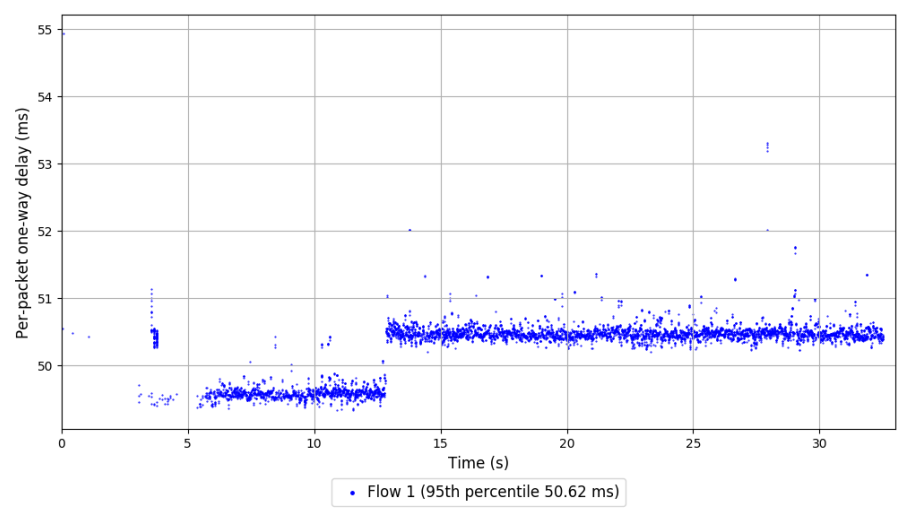
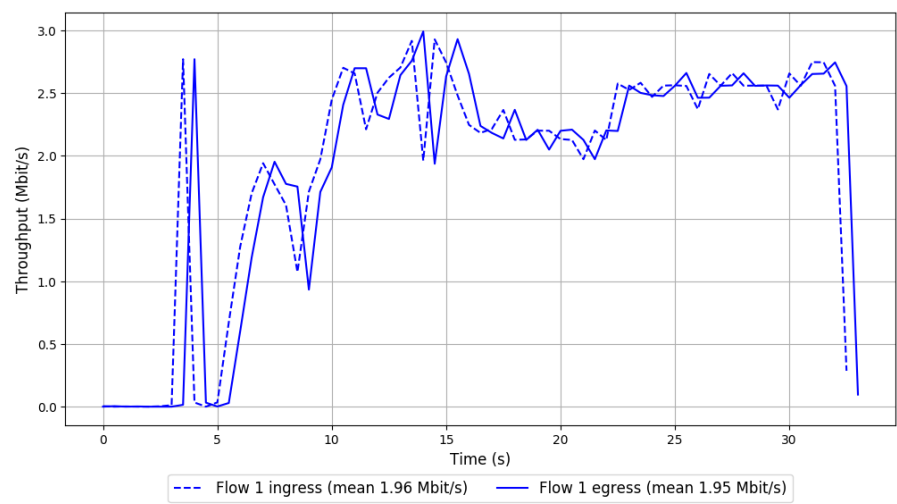


Run 5: Statistics of WebRTC media

Start at: 2018-08-03 20:20:11
End at: 2018-08-03 20:20:41
Local clock offset: -0.196 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.625 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.625 ms
Loss rate: 0.37%

Run 5: Report of WebRTC media — Data Link

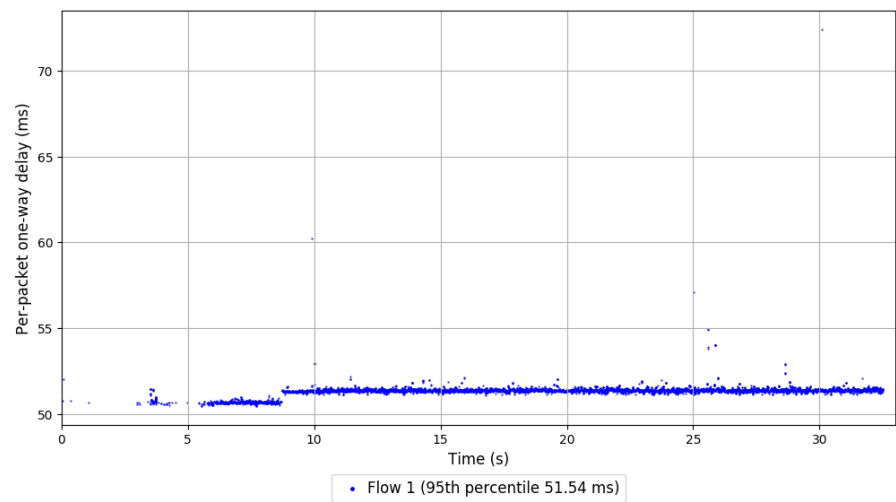
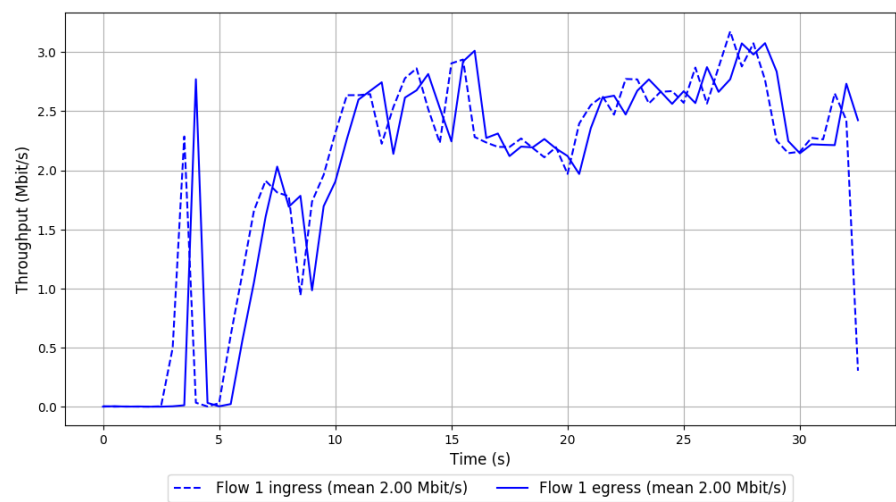


Run 6: Statistics of WebRTC media

Start at: 2018-08-03 20:42:15
End at: 2018-08-03 20:42:45
Local clock offset: 0.486 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 51.544 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 51.544 ms
Loss rate: 0.39%

Run 6: Report of WebRTC media — Data Link

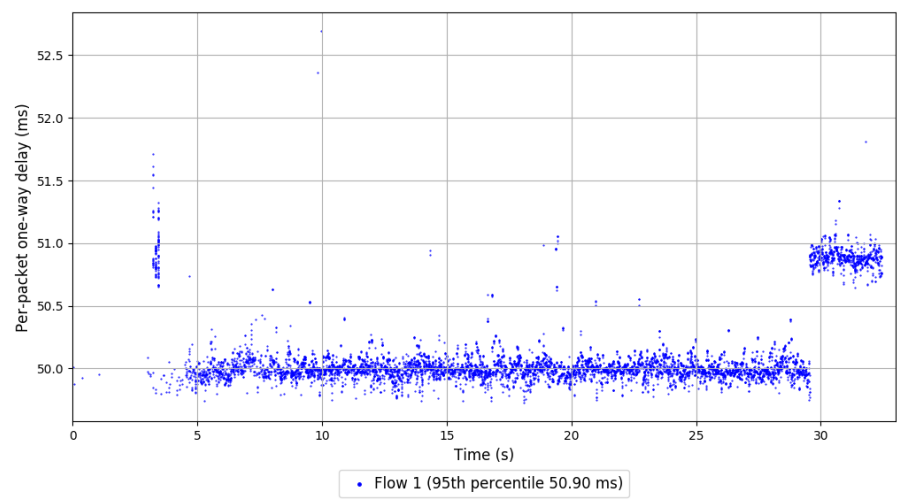
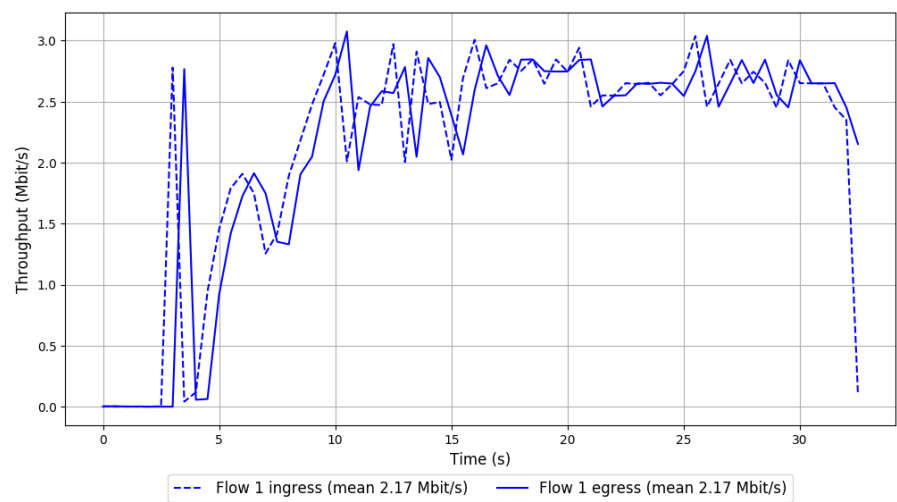


Run 7: Statistics of WebRTC media

Start at: 2018-08-03 21:04:14
End at: 2018-08-03 21:04:44
Local clock offset: 0.107 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.42%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-03 21:26:16

End at: 2018-08-03 21:26:46

Local clock offset: 0.12 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-04 00:27:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 50.777 ms

Loss rate: 0.32%

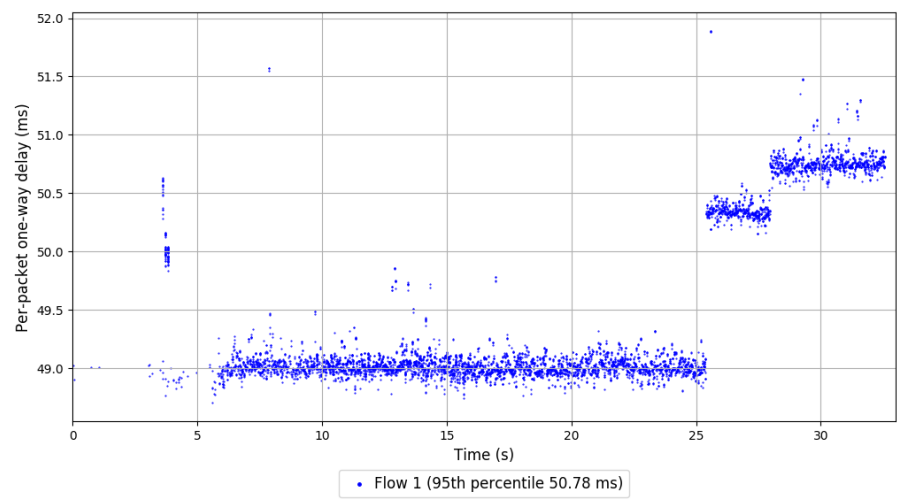
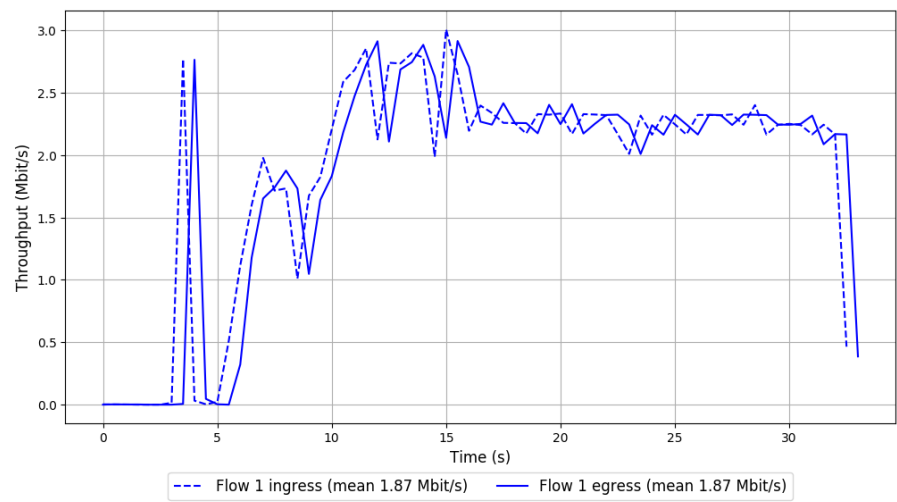
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 50.777 ms

Loss rate: 0.32%

Run 8: Report of WebRTC media — Data Link

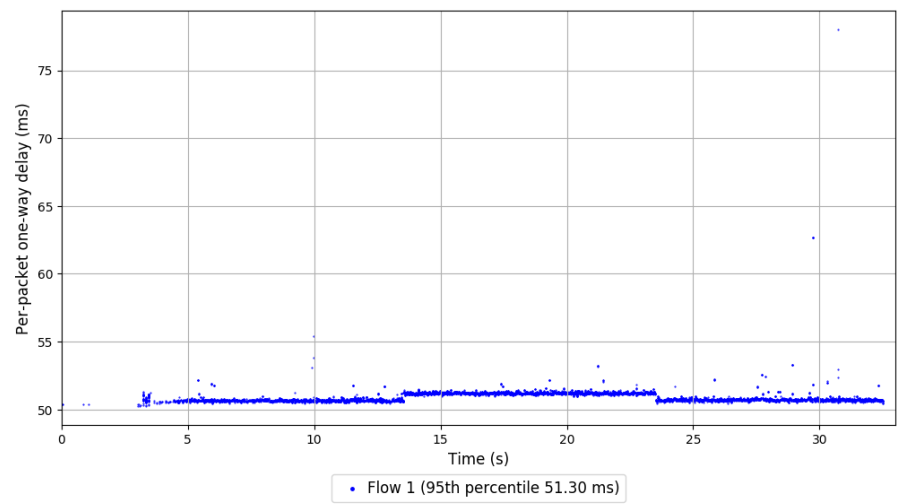
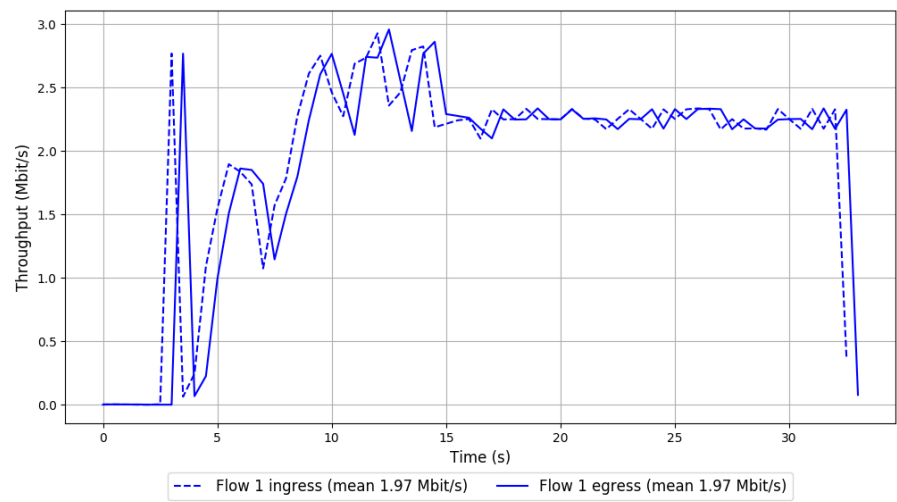


Run 9: Statistics of WebRTC media

Start at: 2018-08-03 21:48:20
End at: 2018-08-03 21:48:50
Local clock offset: 0.461 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 51.302 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 51.302 ms
Loss rate: 0.41%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-03 22:10:23
End at: 2018-08-03 22:10:53
Local clock offset: -0.299 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-04 00:27:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 50.685 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 50.685 ms
Loss rate: 0.39%

Run 10: Report of WebRTC media — Data Link

