

Pantheon Report

Generated at 2018-07-20 19:58:46 (UTC).

Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

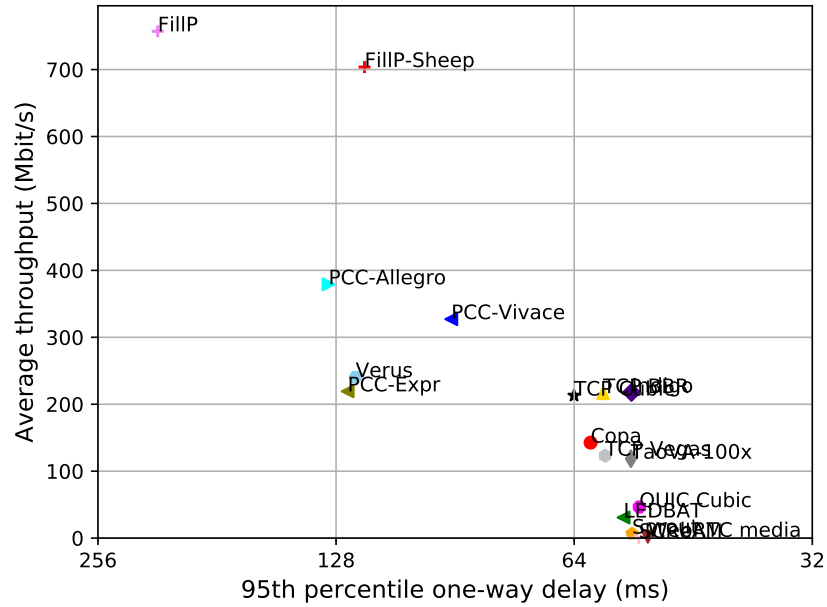
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

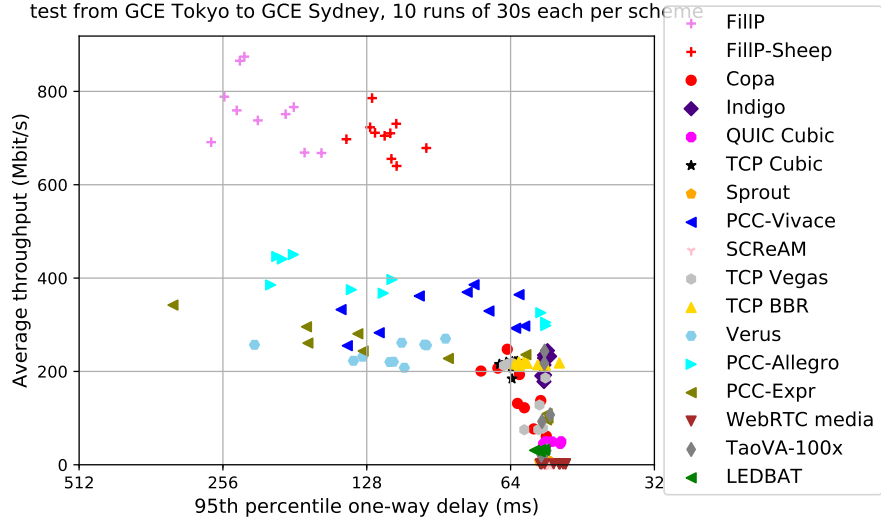
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-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-quick @ 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 Tokyo to GCE Sydney, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	216.61	58.85	0.37
Copa	10	142.60	61.02	0.34
TCP Cubic	10	212.94	64.03	0.31
FillP	10	757.13	215.10	4.29
FillP-Sheep	10	703.75	117.82	0.82
Indigo	10	217.64	54.17	0.35
LEDBAT	10	30.75	55.44	0.68
PCC-Allegro	10	379.17	130.83	0.83
PCC-Expr	10	219.25	123.76	3.62
QUIC Cubic	8	46.37	52.95	0.48
SCReAM	10	0.21	53.03	0.37
Sprout	10	6.68	54.07	0.39
TaoVA-100x	6	118.58	54.26	0.15
TCP Vegas	10	123.08	58.49	0.32
Verus	10	240.53	120.93	1.76
PCC-Vivace	10	327.14	91.54	0.75
WebRTC media	10	1.92	51.65	0.41

Run 1: Statistics of TCP BBR

Start at: 2018-07-20 14:27:03

End at: 2018-07-20 14:27:33

Local clock offset: -0.035 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-20 18:15:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.14 Mbit/s

95th percentile per-packet one-way delay: 61.315 ms

Loss rate: 0.35%

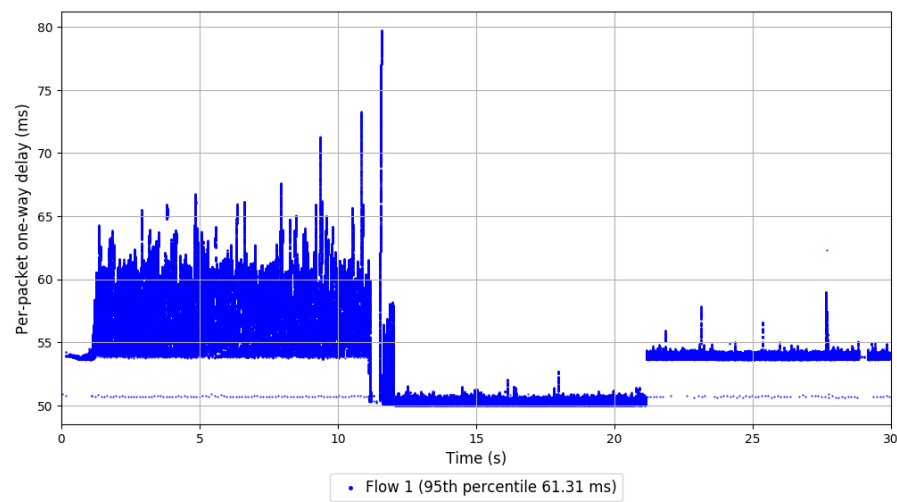
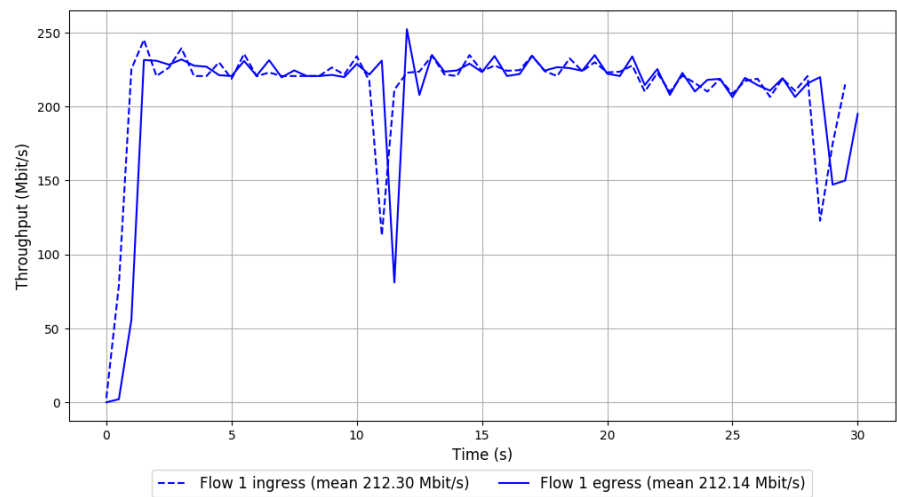
-- Flow 1:

Average throughput: 212.14 Mbit/s

95th percentile per-packet one-way delay: 61.315 ms

Loss rate: 0.35%

Run 1: Report of TCP BBR — Data Link

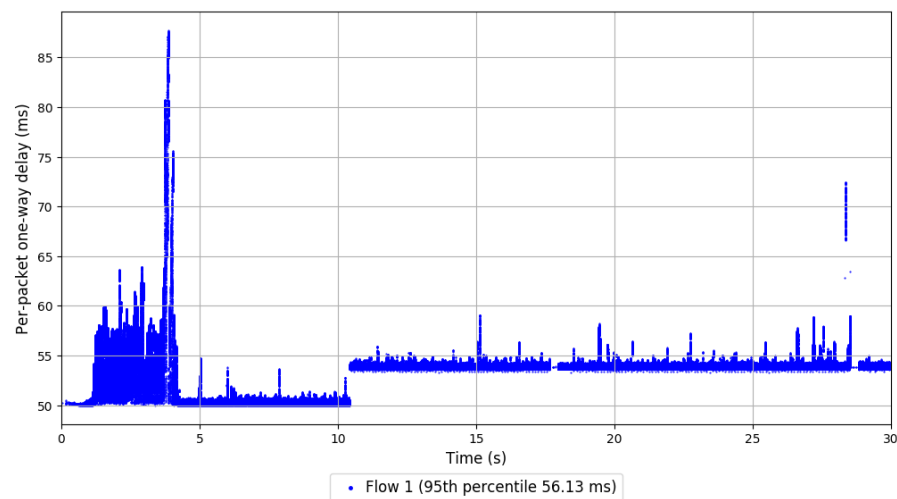
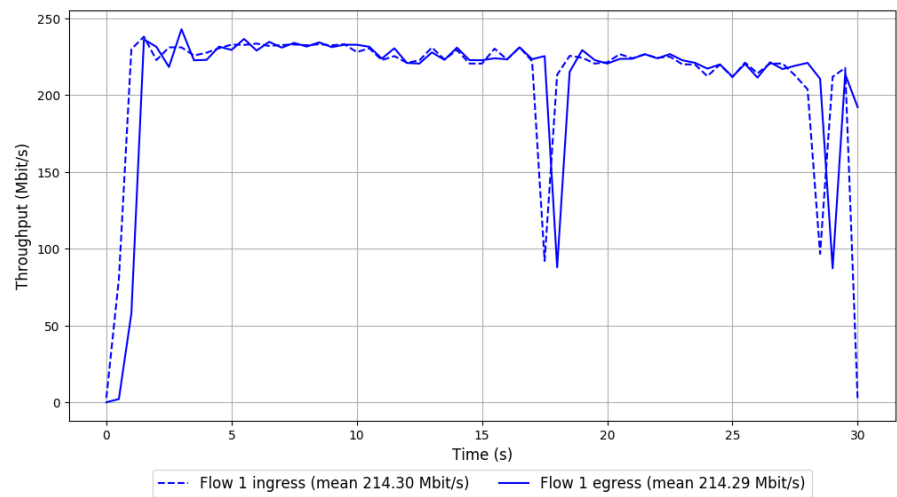


Run 2: Statistics of TCP BBR

Start at: 2018-07-20 14:48:34
End at: 2018-07-20 14:49:04
Local clock offset: -0.129 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-20 18:15:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.29 Mbit/s
95th percentile per-packet one-way delay: 56.131 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 214.29 Mbit/s
95th percentile per-packet one-way delay: 56.131 ms
Loss rate: 0.35%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-20 15:10:13

End at: 2018-07-20 15:10:43

Local clock offset: 0.014 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-07-20 18:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.00 Mbit/s

95th percentile per-packet one-way delay: 50.582 ms

Loss rate: 0.38%

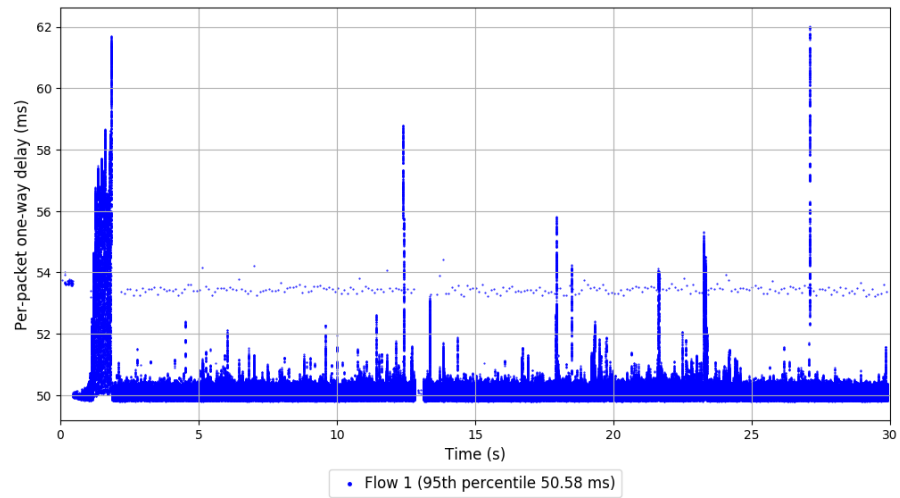
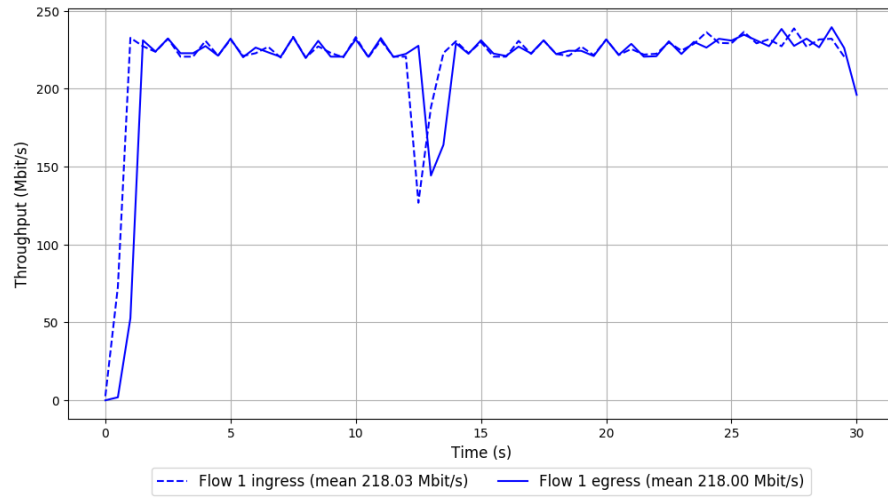
-- Flow 1:

Average throughput: 218.00 Mbit/s

95th percentile per-packet one-way delay: 50.582 ms

Loss rate: 0.38%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-20 15:32:01

End at: 2018-07-20 15:32:31

Local clock offset: 0.096 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-20 18:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.79 Mbit/s

95th percentile per-packet one-way delay: 62.749 ms

Loss rate: 0.38%

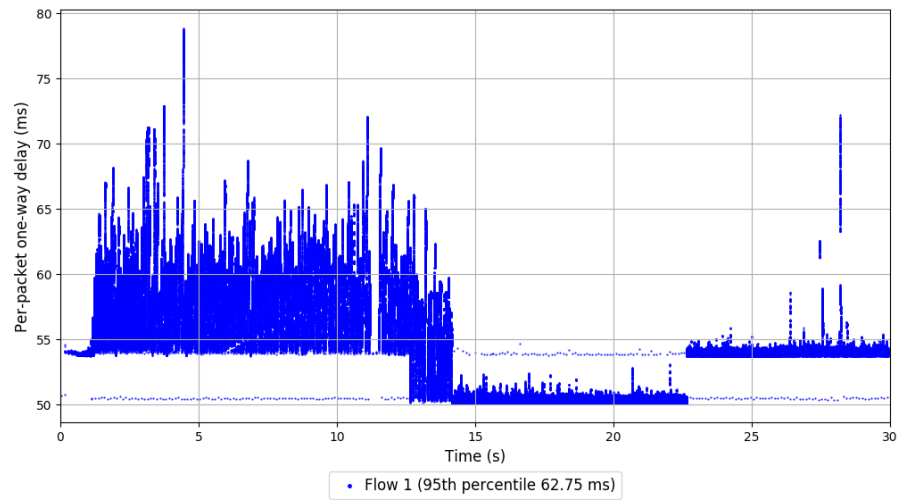
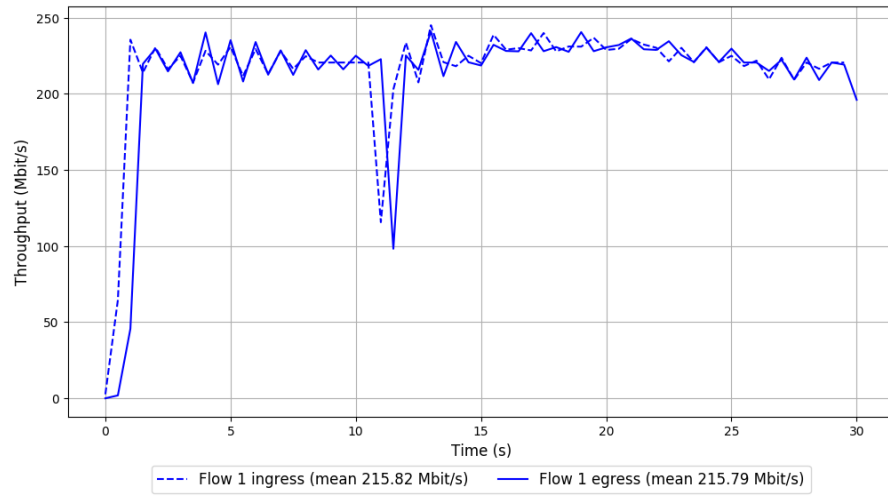
-- Flow 1:

Average throughput: 215.79 Mbit/s

95th percentile per-packet one-way delay: 62.749 ms

Loss rate: 0.38%

Run 4: Report of TCP BBR — Data Link

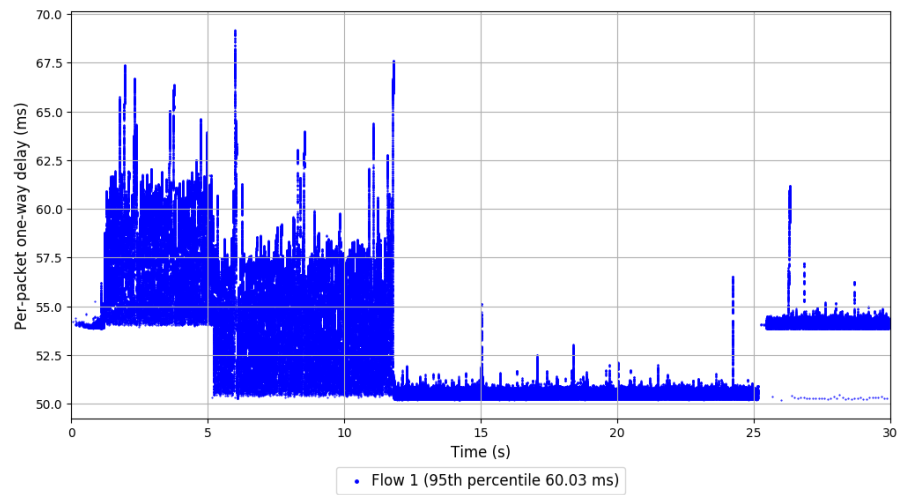
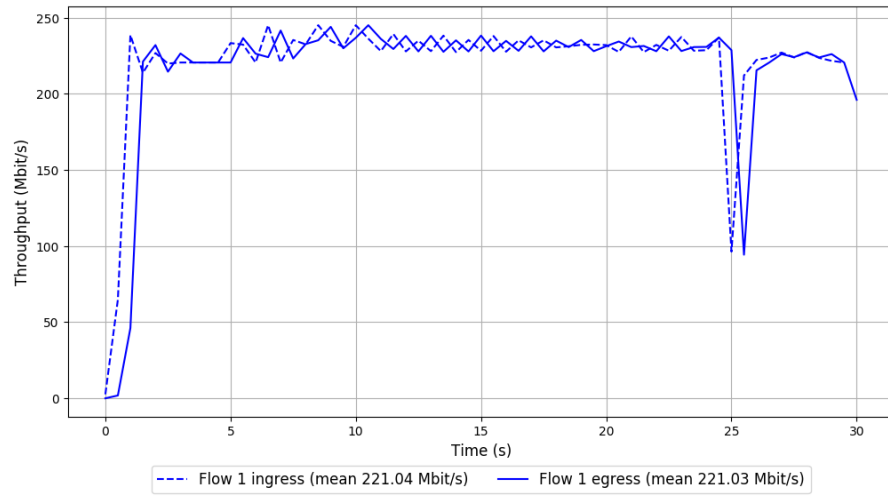


Run 5: Statistics of TCP BBR

Start at: 2018-07-20 15:54:09
End at: 2018-07-20 15:54:39
Local clock offset: 0.104 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 18:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.03 Mbit/s
95th percentile per-packet one-way delay: 60.030 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 221.03 Mbit/s
95th percentile per-packet one-way delay: 60.030 ms
Loss rate: 0.37%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-20 16:16:04

End at: 2018-07-20 16:16:34

Local clock offset: -0.138 ms

Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-20 18:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.56 Mbit/s

95th percentile per-packet one-way delay: 61.612 ms

Loss rate: 0.35%

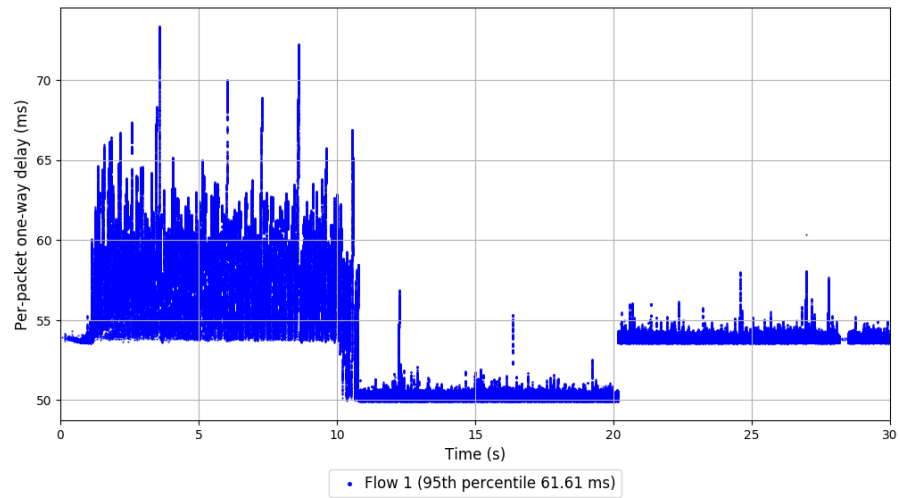
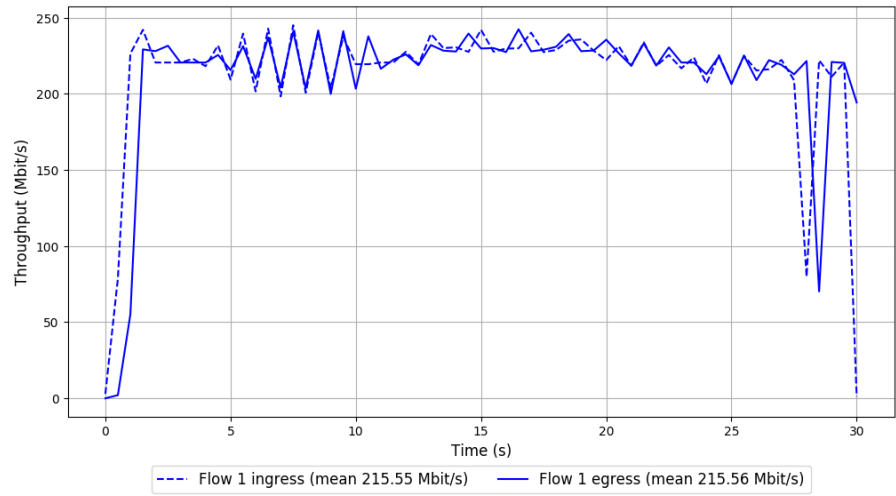
-- Flow 1:

Average throughput: 215.56 Mbit/s

95th percentile per-packet one-way delay: 61.612 ms

Loss rate: 0.35%

Run 6: Report of TCP BBR — Data Link

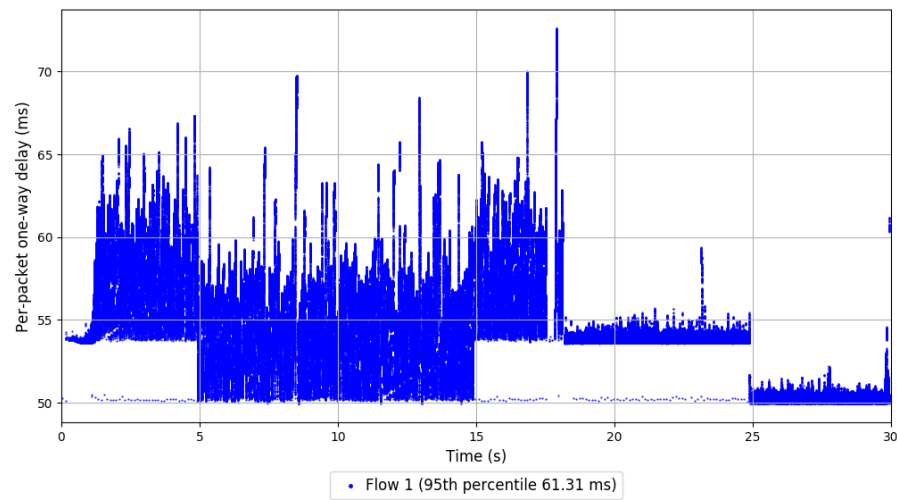
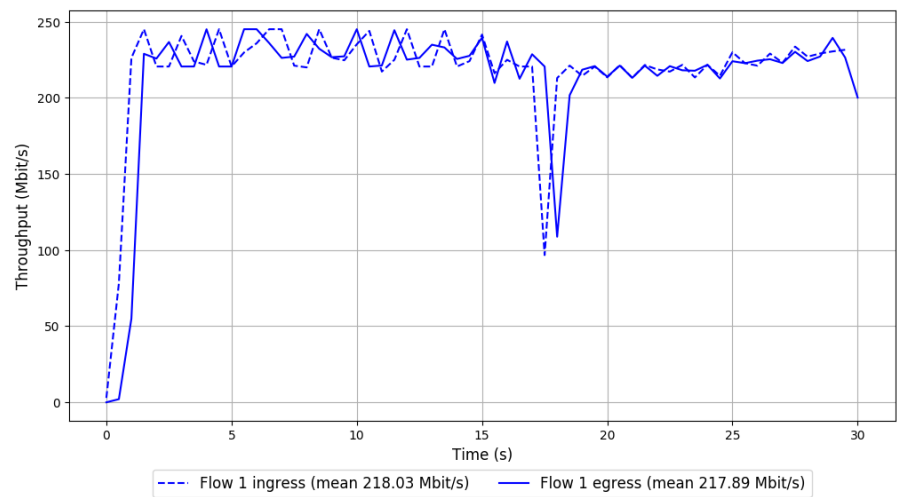


Run 7: Statistics of TCP BBR

Start at: 2018-07-20 16:38:09
End at: 2018-07-20 16:38:39
Local clock offset: -0.09 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-20 18:15:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.89 Mbit/s
95th percentile per-packet one-way delay: 61.314 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 217.89 Mbit/s
95th percentile per-packet one-way delay: 61.314 ms
Loss rate: 0.41%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-20 16:59:57

End at: 2018-07-20 17:00:27

Local clock offset: 0.052 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-07-20 18:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.45 Mbit/s

95th percentile per-packet one-way delay: 54.085 ms

Loss rate: 0.37%

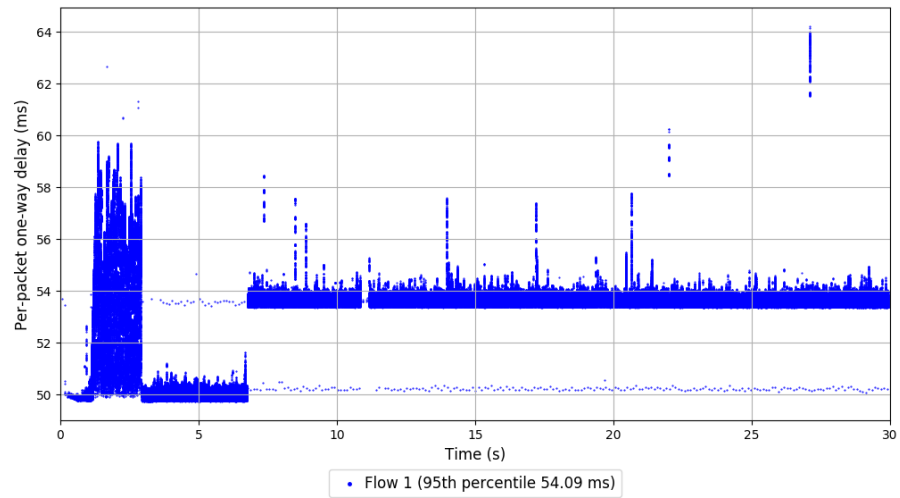
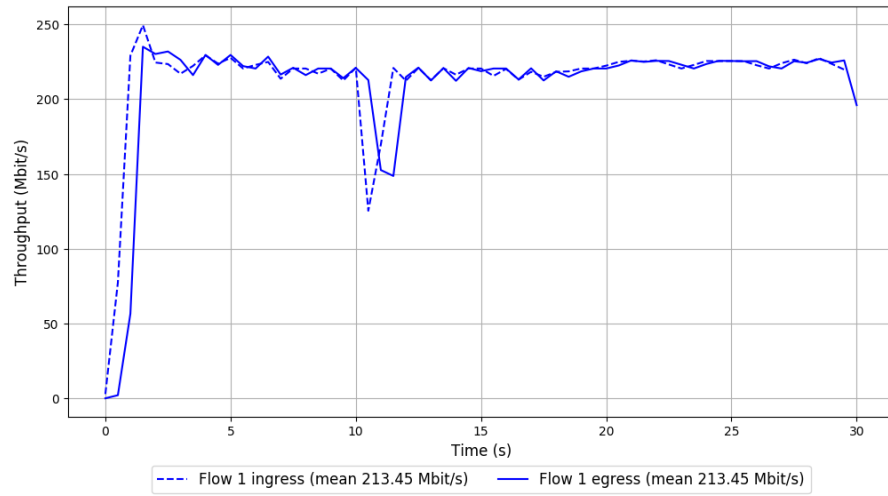
-- Flow 1:

Average throughput: 213.45 Mbit/s

95th percentile per-packet one-way delay: 54.085 ms

Loss rate: 0.37%

Run 8: Report of TCP BBR — Data Link

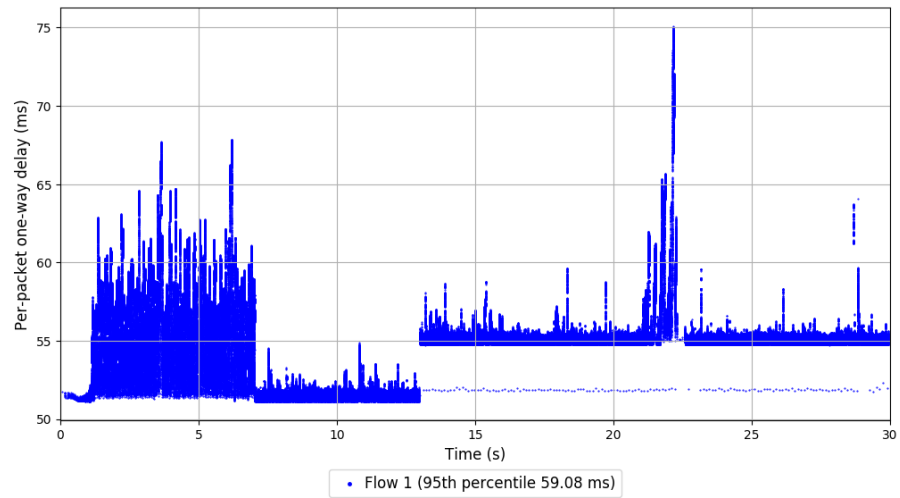
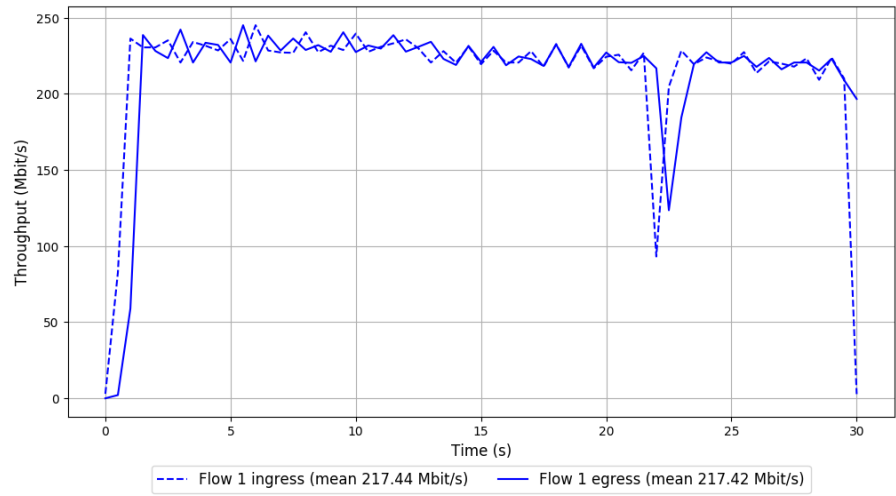


Run 9: Statistics of TCP BBR

Start at: 2018-07-20 17:22:01
End at: 2018-07-20 17:22:31
Local clock offset: -0.119 ms
Remote clock offset: -1.417 ms

Below is generated by plot.py at 2018-07-20 18:19:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.42 Mbit/s
95th percentile per-packet one-way delay: 59.079 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 217.42 Mbit/s
95th percentile per-packet one-way delay: 59.079 ms
Loss rate: 0.36%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-20 17:44:22

End at: 2018-07-20 17:44:52

Local clock offset: -0.305 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-20 18:19:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.50 Mbit/s

95th percentile per-packet one-way delay: 61.554 ms

Loss rate: 0.35%

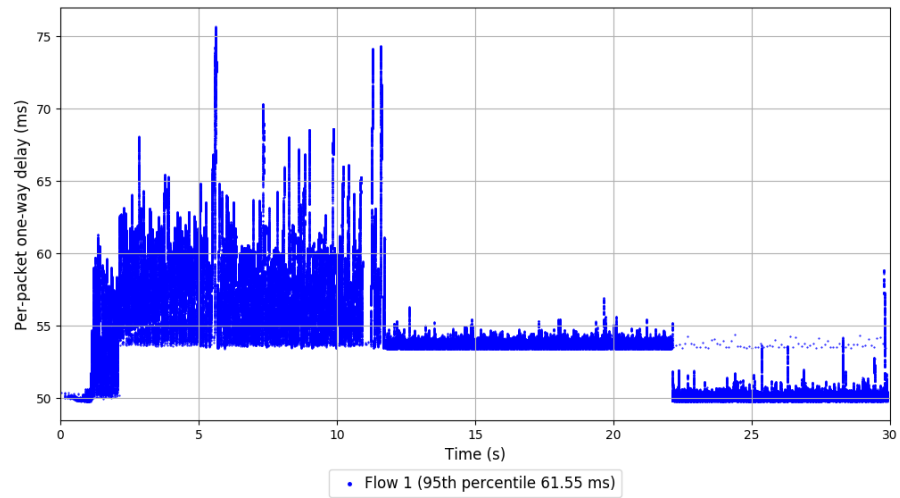
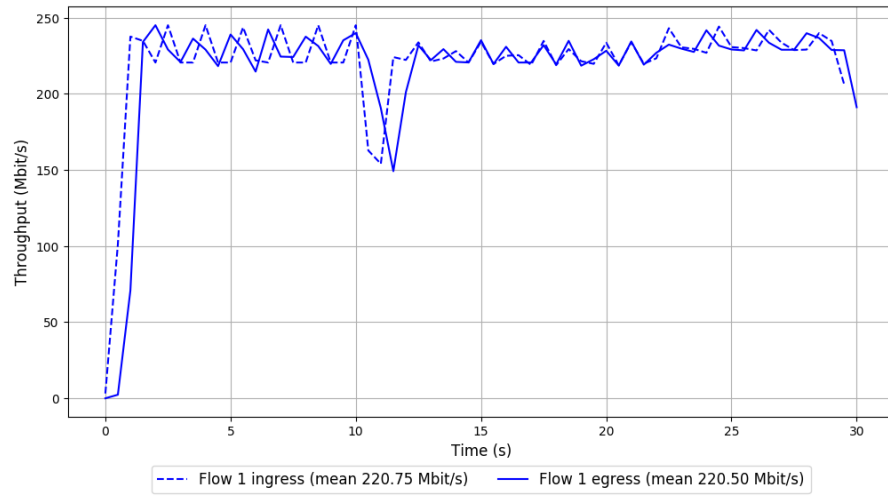
-- Flow 1:

Average throughput: 220.50 Mbit/s

95th percentile per-packet one-way delay: 61.554 ms

Loss rate: 0.35%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-20 14:25:53

End at: 2018-07-20 14:26:23

Local clock offset: -0.055 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-20 18:19:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.97 Mbit/s

95th percentile per-packet one-way delay: 53.661 ms

Loss rate: 0.50%

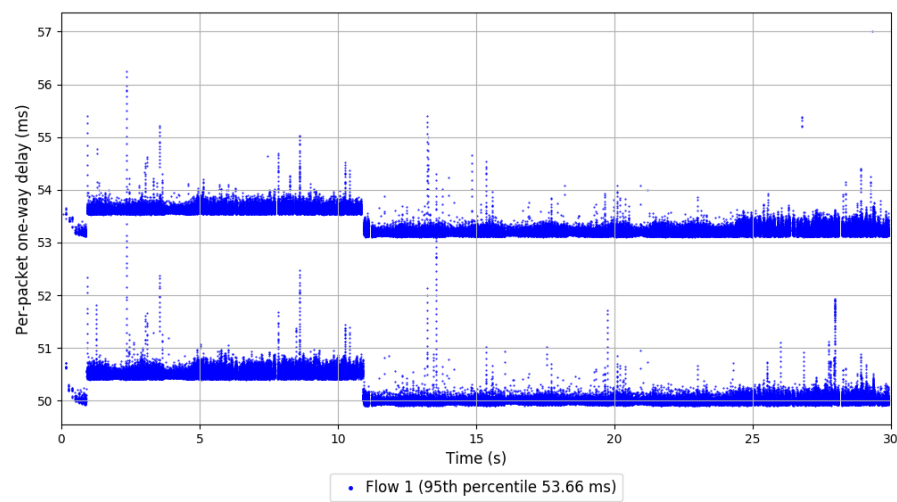
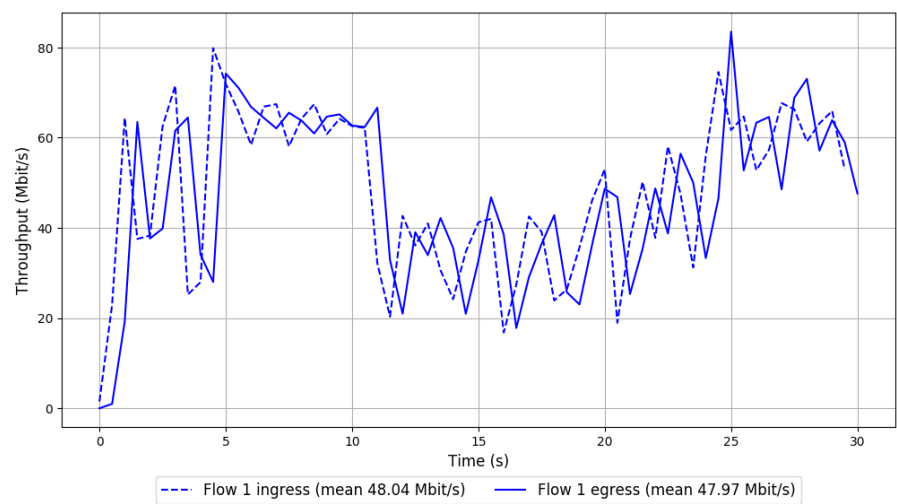
-- Flow 1:

Average throughput: 47.97 Mbit/s

95th percentile per-packet one-way delay: 53.661 ms

Loss rate: 0.50%

Run 1: Report of Copa — Data Link

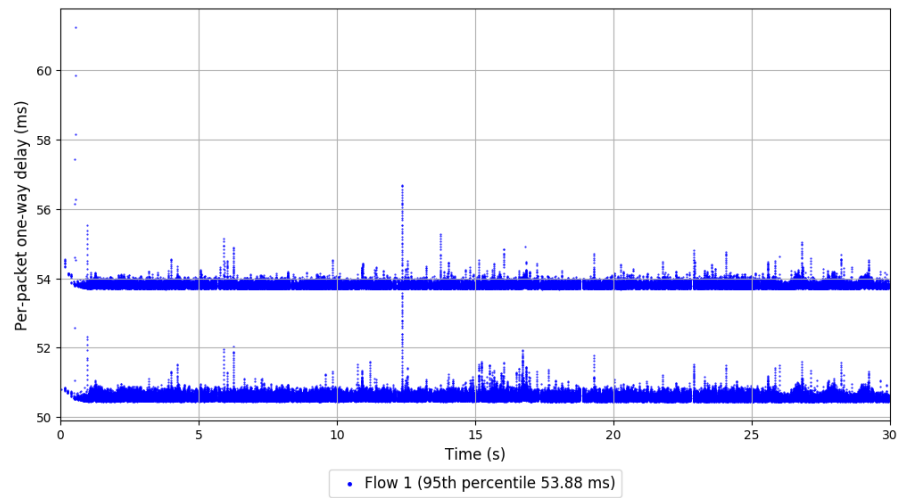
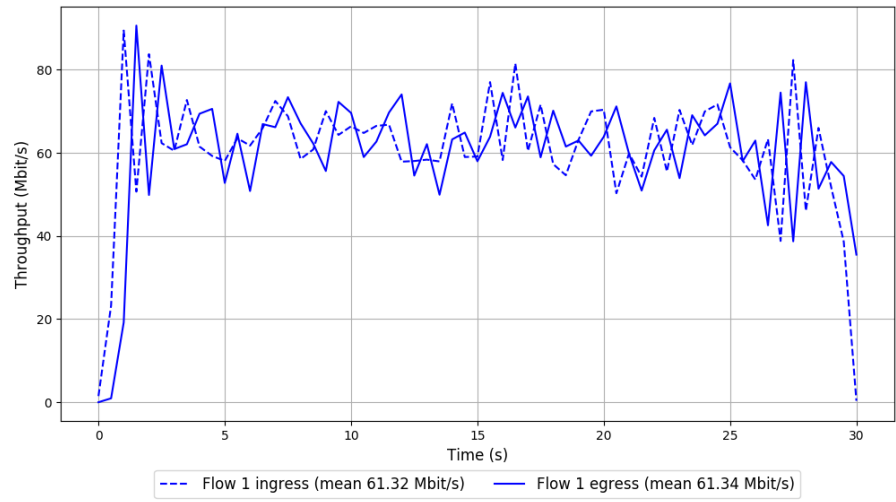


Run 2: Statistics of Copa

Start at: 2018-07-20 14:47:23
End at: 2018-07-20 14:47:53
Local clock offset: -0.037 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-20 18:19:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 53.880 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 53.880 ms
Loss rate: 0.32%

Run 2: Report of Copa — Data Link

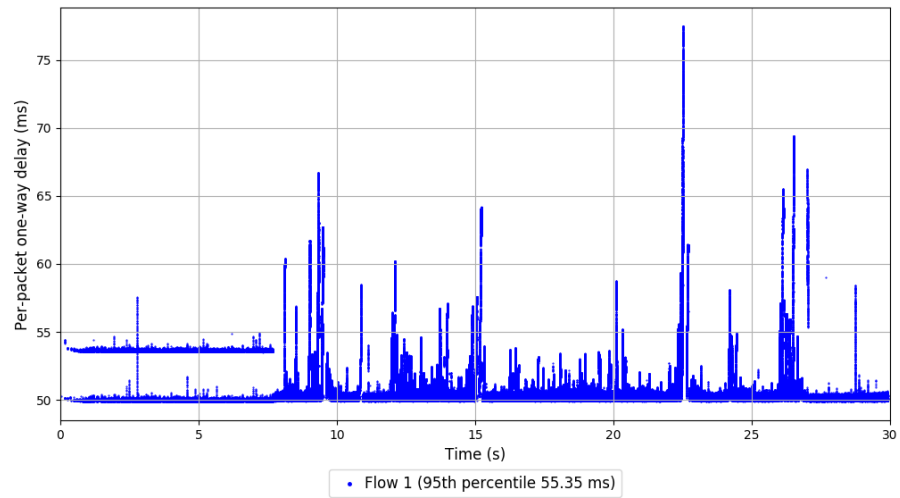
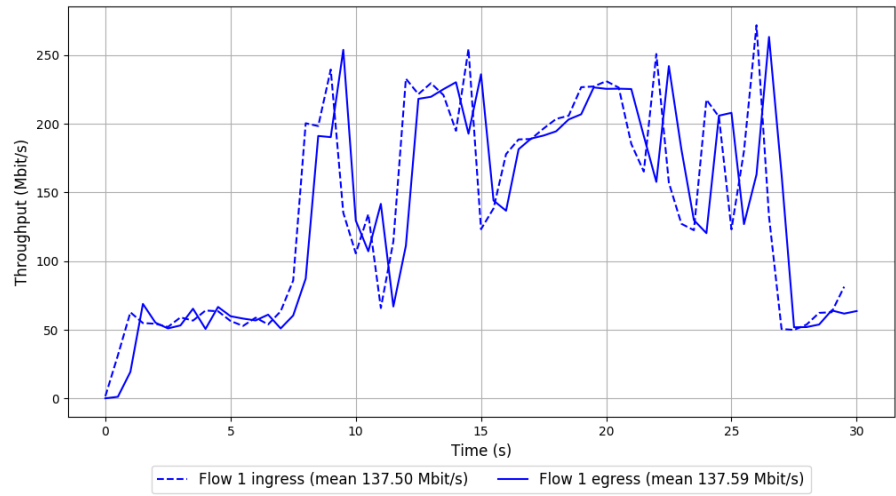


Run 3: Statistics of Copa

Start at: 2018-07-20 15:08:56
End at: 2018-07-20 15:09:26
Local clock offset: -0.207 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-20 18:20:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.59 Mbit/s
95th percentile per-packet one-way delay: 55.351 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 137.59 Mbit/s
95th percentile per-packet one-way delay: 55.351 ms
Loss rate: 0.27%

Run 3: Report of Copa — Data Link

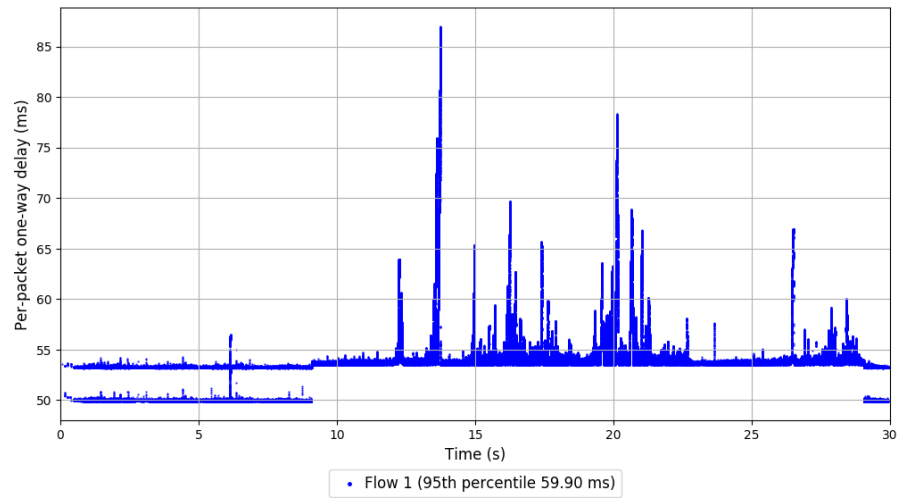
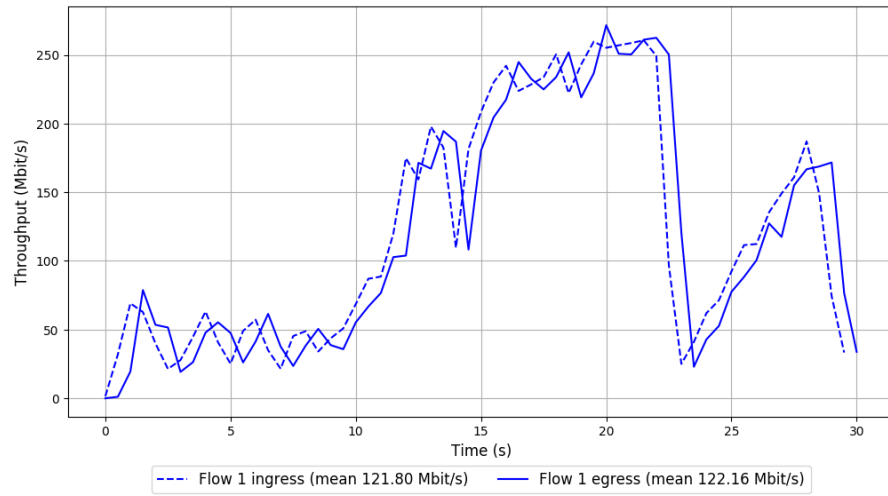


Run 4: Statistics of Copa

Start at: 2018-07-20 15:30:45
End at: 2018-07-20 15:31:15
Local clock offset: -0.13 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-20 18:20:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.16 Mbit/s
95th percentile per-packet one-way delay: 59.896 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 122.16 Mbit/s
95th percentile per-packet one-way delay: 59.896 ms
Loss rate: 0.07%

Run 4: Report of Copa — Data Link

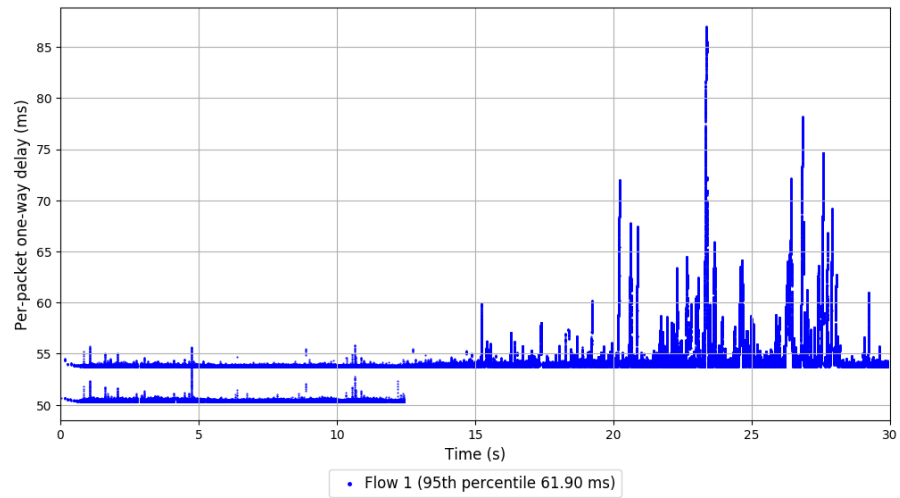
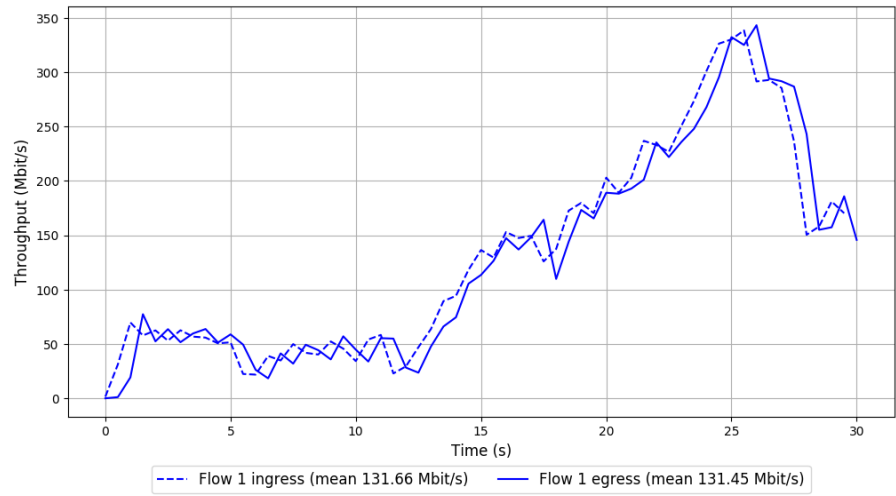


Run 5: Statistics of Copa

Start at: 2018-07-20 15:52:52
End at: 2018-07-20 15:53:22
Local clock offset: -0.399 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-07-20 18:20:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.45 Mbit/s
95th percentile per-packet one-way delay: 61.896 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 131.45 Mbit/s
95th percentile per-packet one-way delay: 61.896 ms
Loss rate: 0.50%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-20 16:14:41

End at: 2018-07-20 16:15:11

Local clock offset: -0.071 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-07-20 18:22:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.32 Mbit/s

95th percentile per-packet one-way delay: 61.335 ms

Loss rate: 0.19%

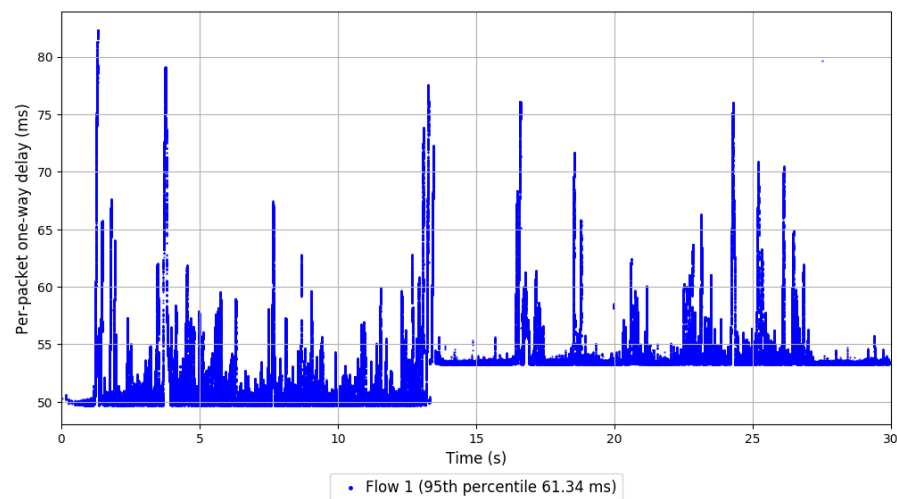
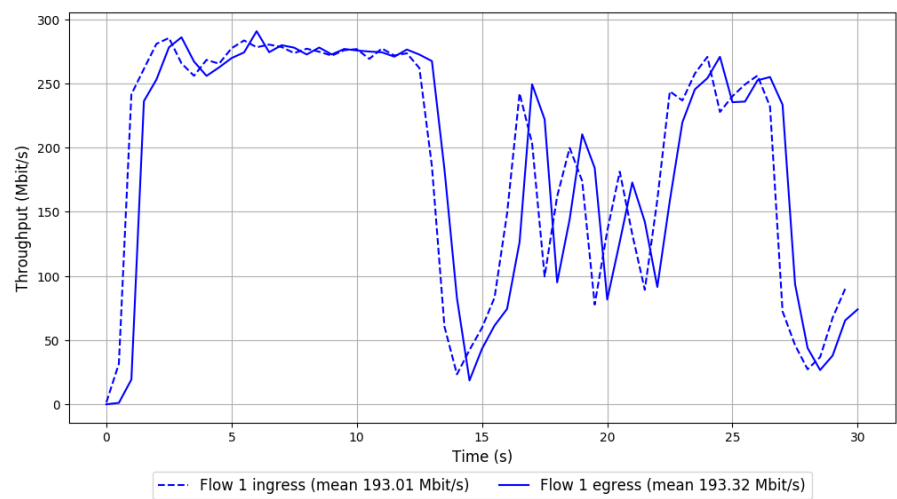
-- Flow 1:

Average throughput: 193.32 Mbit/s

95th percentile per-packet one-way delay: 61.335 ms

Loss rate: 0.19%

Run 6: Report of Copa — Data Link

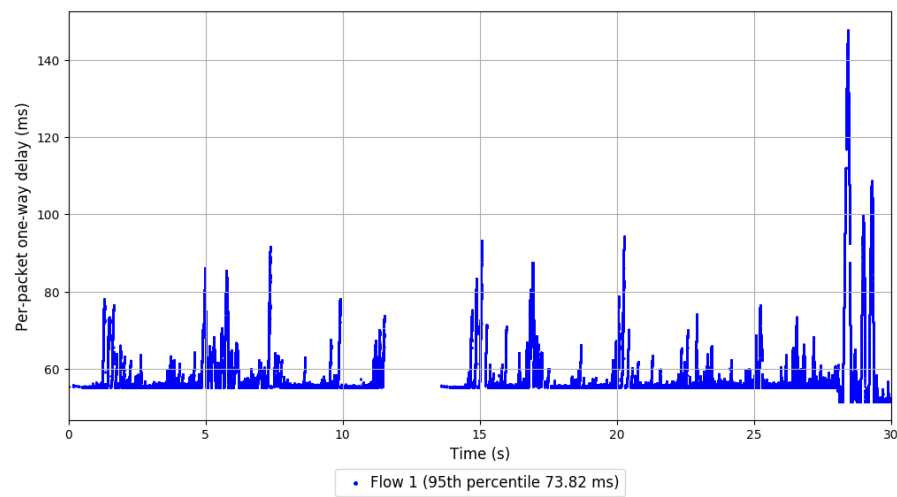
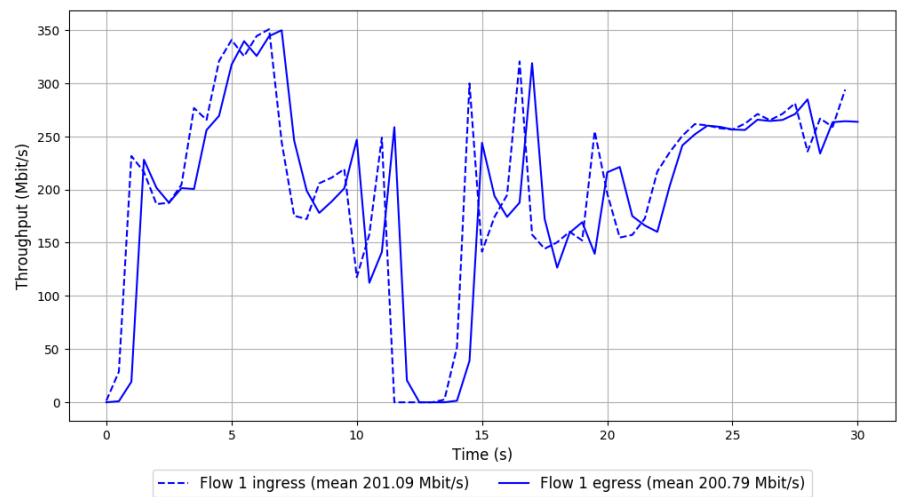


Run 7: Statistics of Copa

Start at: 2018-07-20 16:36:46
End at: 2018-07-20 16:37:16
Local clock offset: 0.155 ms
Remote clock offset: -1.492 ms

Below is generated by plot.py at 2018-07-20 18:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.79 Mbit/s
95th percentile per-packet one-way delay: 73.820 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 200.79 Mbit/s
95th percentile per-packet one-way delay: 73.820 ms
Loss rate: 0.50%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-20 16:58:46

End at: 2018-07-20 16:59:16

Local clock offset: 0.097 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-07-20 18:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 57.238 ms

Loss rate: 0.21%

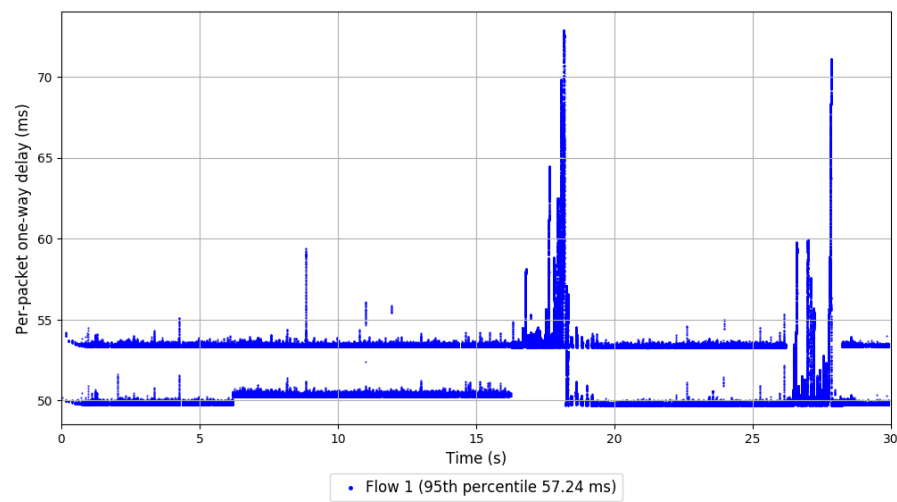
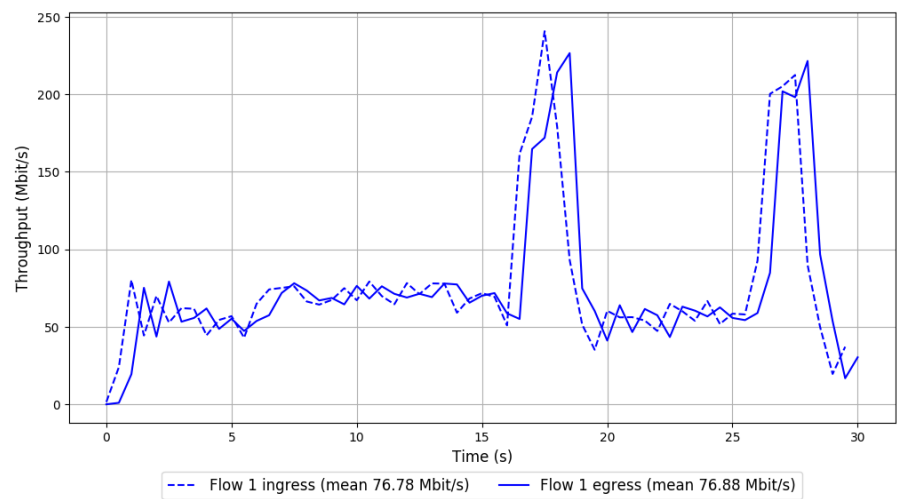
-- Flow 1:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 57.238 ms

Loss rate: 0.21%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-20 17:20:33

End at: 2018-07-20 17:21:03

Local clock offset: -0.262 ms

Remote clock offset: 1.155 ms

Below is generated by plot.py at 2018-07-20 18:28:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.52 Mbit/s

95th percentile per-packet one-way delay: 65.027 ms

Loss rate: 0.40%

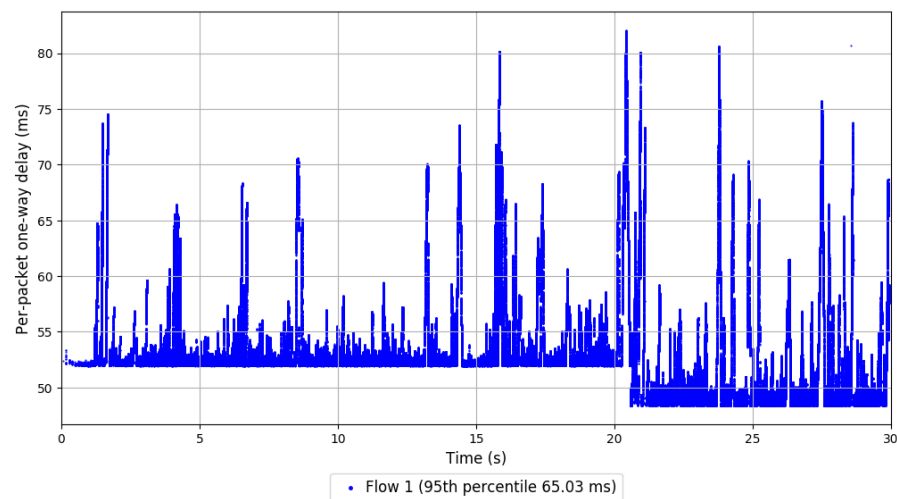
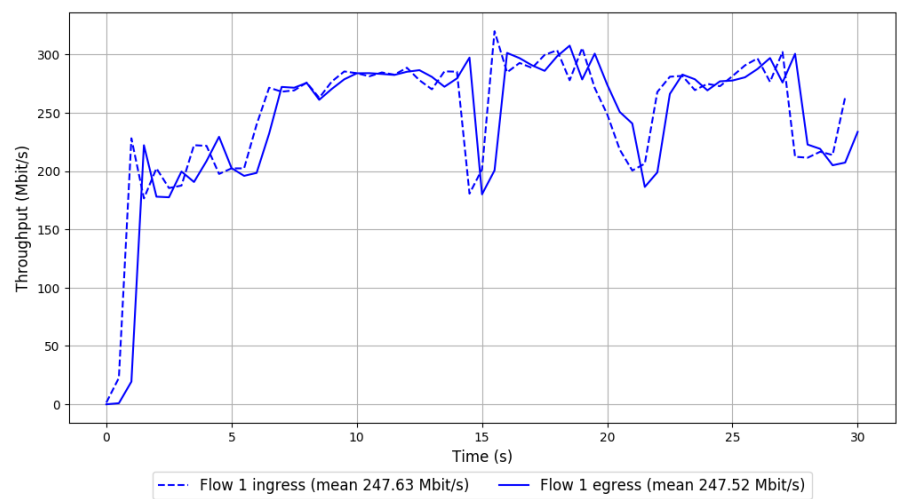
-- Flow 1:

Average throughput: 247.52 Mbit/s

95th percentile per-packet one-way delay: 65.027 ms

Loss rate: 0.40%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-20 17:42:57

End at: 2018-07-20 17:43:27

Local clock offset: 0.045 ms

Remote clock offset: -1.608 ms

Below is generated by plot.py at 2018-07-20 18:28:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.99 Mbit/s

95th percentile per-packet one-way delay: 68.047 ms

Loss rate: 0.48%

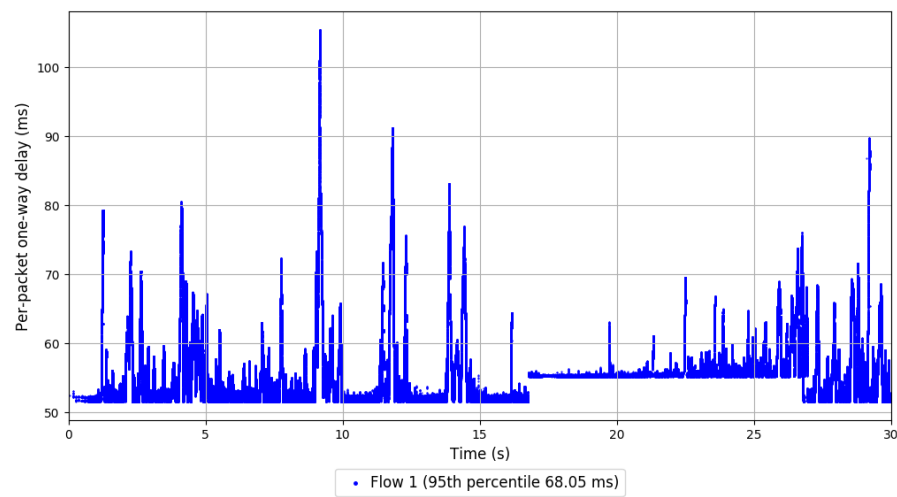
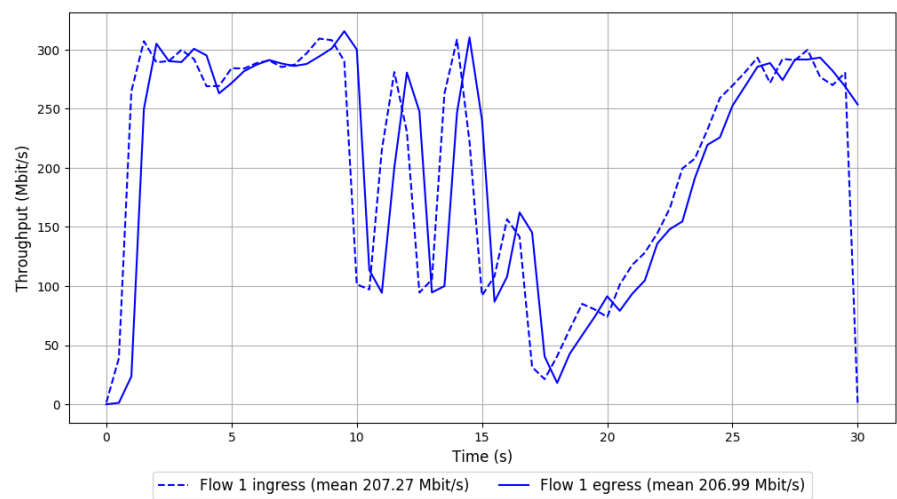
-- Flow 1:

Average throughput: 206.99 Mbit/s

95th percentile per-packet one-way delay: 68.047 ms

Loss rate: 0.48%

Run 10: Report of Copa — Data Link

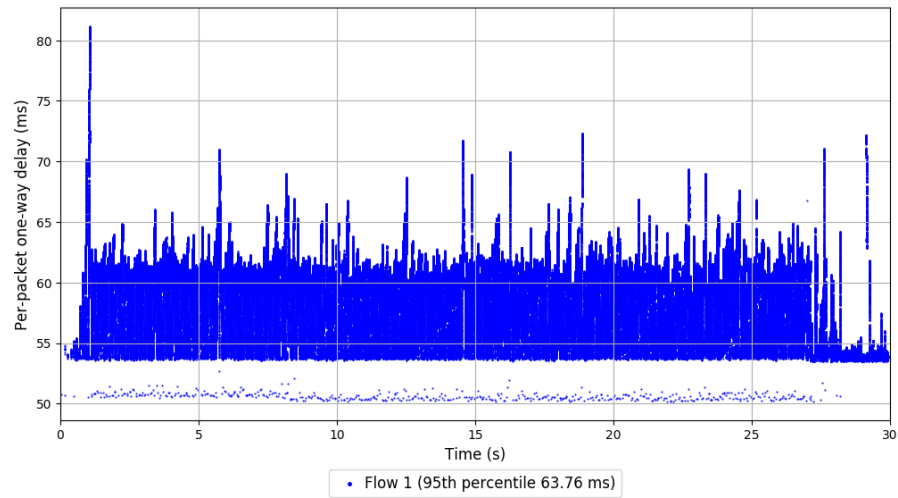
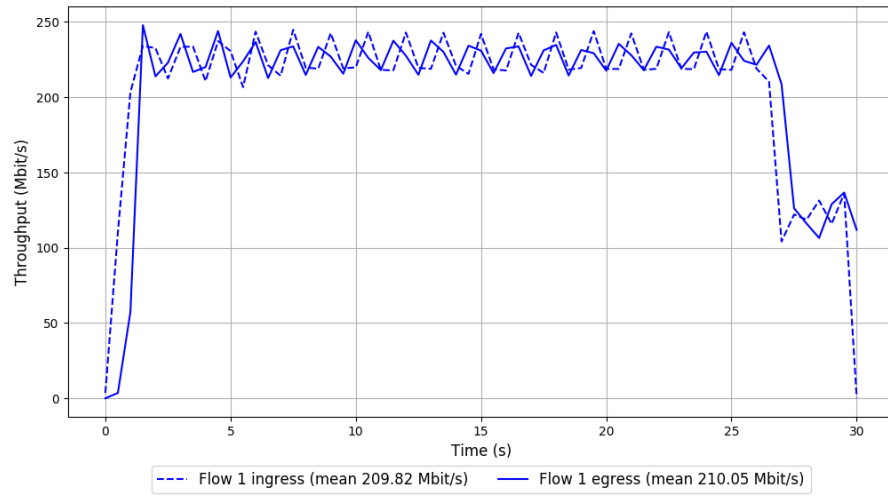


Run 1: Statistics of TCP Cubic

Start at: 2018-07-20 14:30:46
End at: 2018-07-20 14:31:16
Local clock offset: -0.245 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-07-20 18:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.05 Mbit/s
95th percentile per-packet one-way delay: 63.756 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 210.05 Mbit/s
95th percentile per-packet one-way delay: 63.756 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link

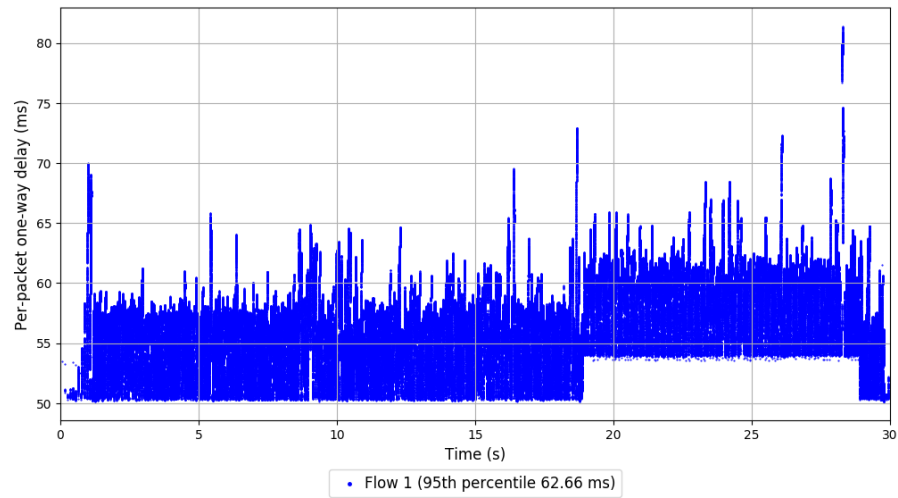
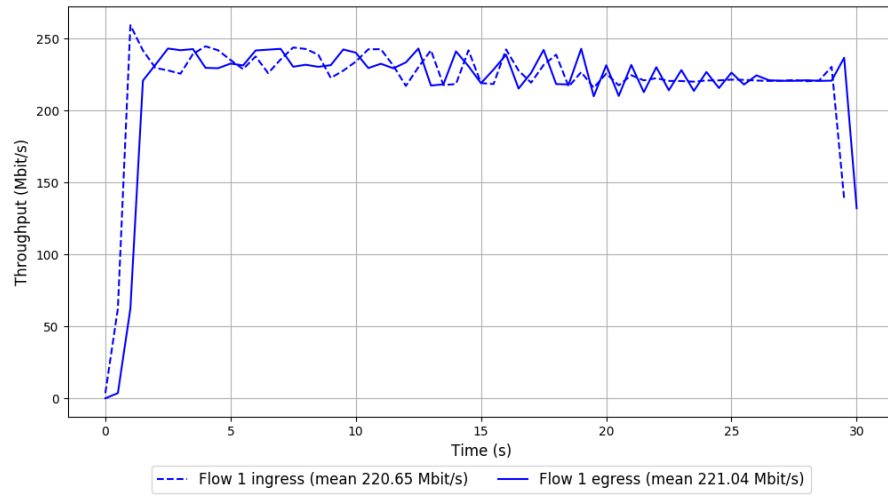


Run 2: Statistics of TCP Cubic

Start at: 2018-07-20 14:52:15
End at: 2018-07-20 14:52:45
Local clock offset: 0.022 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 18:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.04 Mbit/s
95th percentile per-packet one-way delay: 62.662 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 221.04 Mbit/s
95th percentile per-packet one-way delay: 62.662 ms
Loss rate: 0.19%

Run 2: Report of TCP Cubic — Data Link

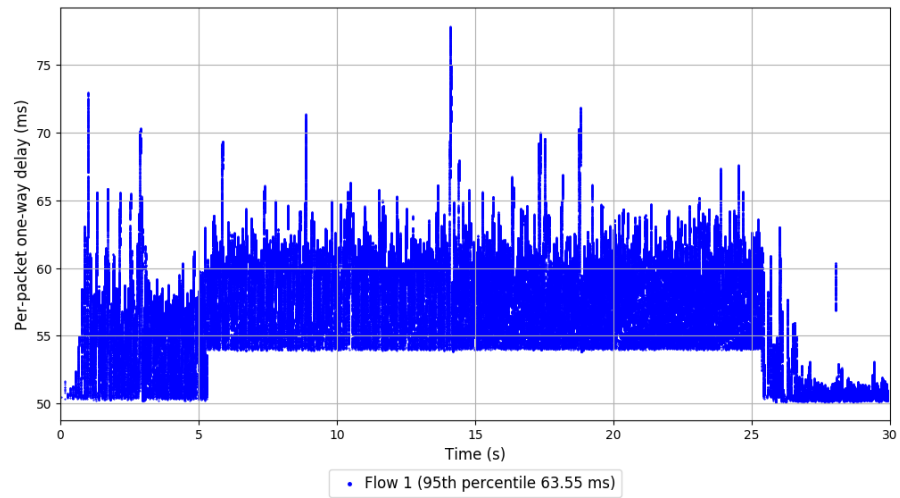
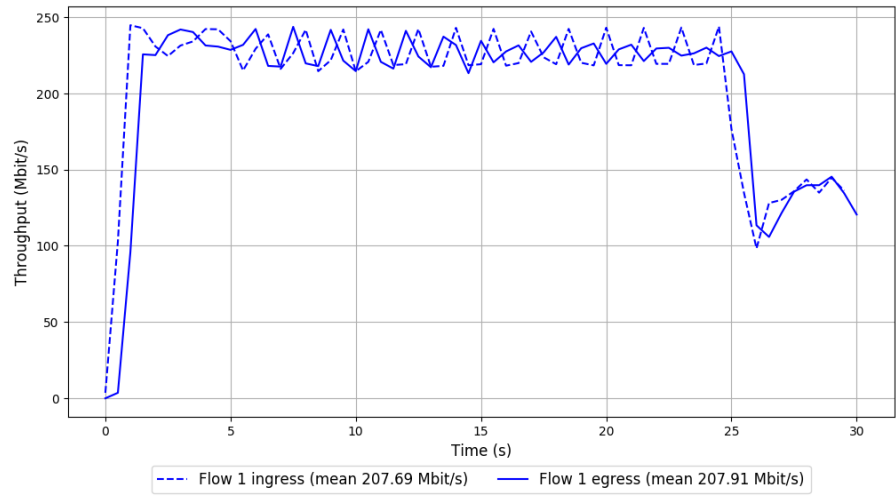


Run 3: Statistics of TCP Cubic

Start at: 2018-07-20 15:13:59
End at: 2018-07-20 15:14:29
Local clock offset: 0.105 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-20 18:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.91 Mbit/s
95th percentile per-packet one-way delay: 63.554 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 207.91 Mbit/s
95th percentile per-packet one-way delay: 63.554 ms
Loss rate: 0.24%

Run 3: Report of TCP Cubic — Data Link

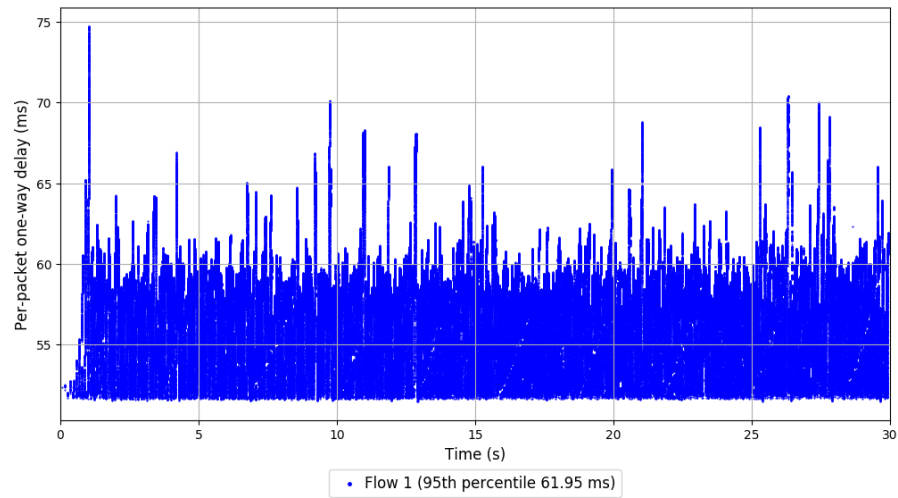
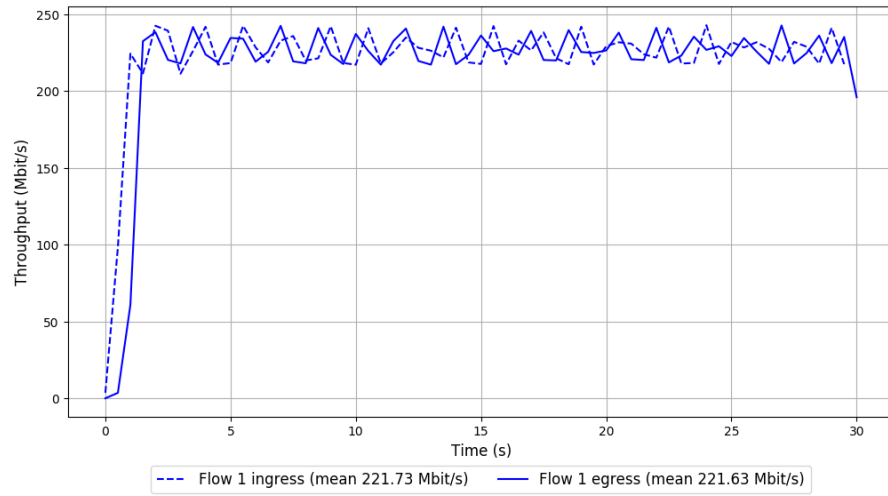


Run 4: Statistics of TCP Cubic

Start at: 2018-07-20 15:35:43
End at: 2018-07-20 15:36:13
Local clock offset: 0.061 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2018-07-20 18:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.63 Mbit/s
95th percentile per-packet one-way delay: 61.954 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 221.63 Mbit/s
95th percentile per-packet one-way delay: 61.954 ms
Loss rate: 0.39%

Run 4: Report of TCP Cubic — Data Link

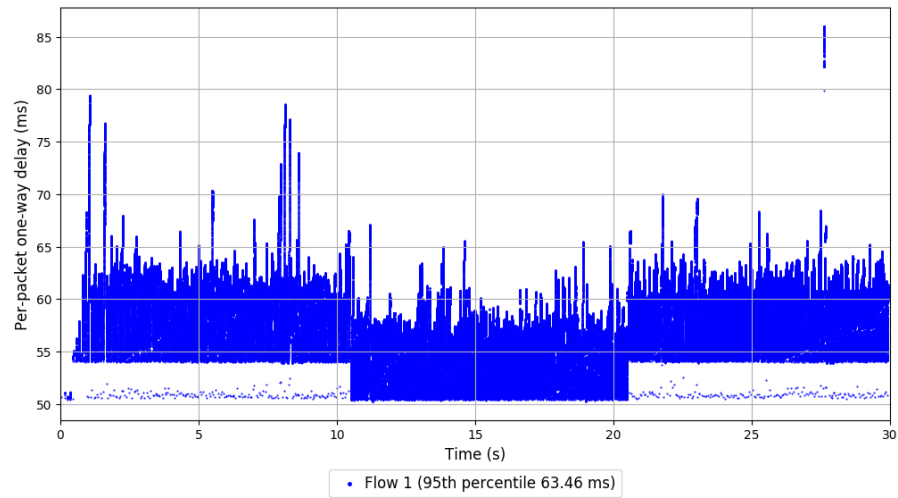
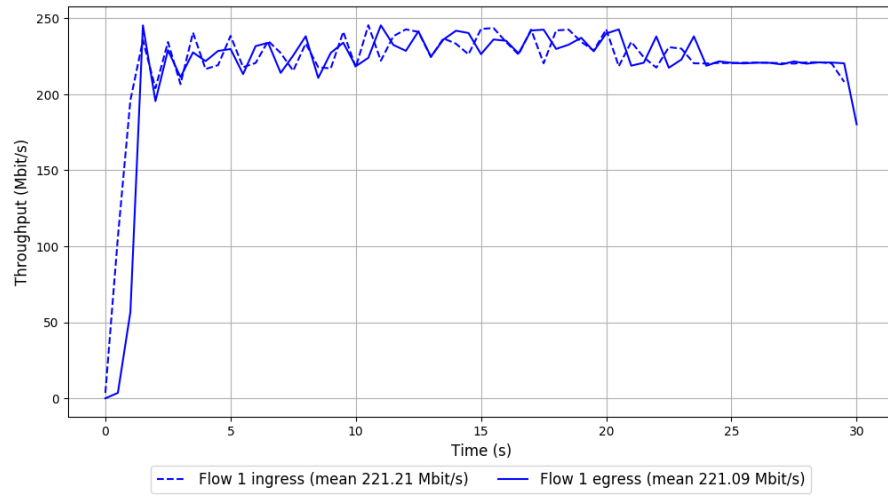


Run 5: Statistics of TCP Cubic

Start at: 2018-07-20 15:57:53
End at: 2018-07-20 15:58:23
Local clock offset: -0.166 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-20 18:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.09 Mbit/s
95th percentile per-packet one-way delay: 63.458 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 221.09 Mbit/s
95th percentile per-packet one-way delay: 63.458 ms
Loss rate: 0.40%

Run 5: Report of TCP Cubic — Data Link

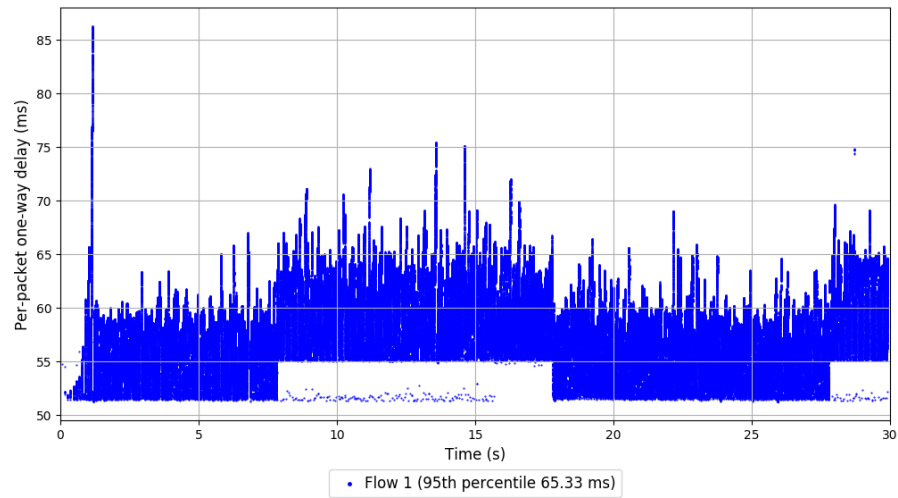
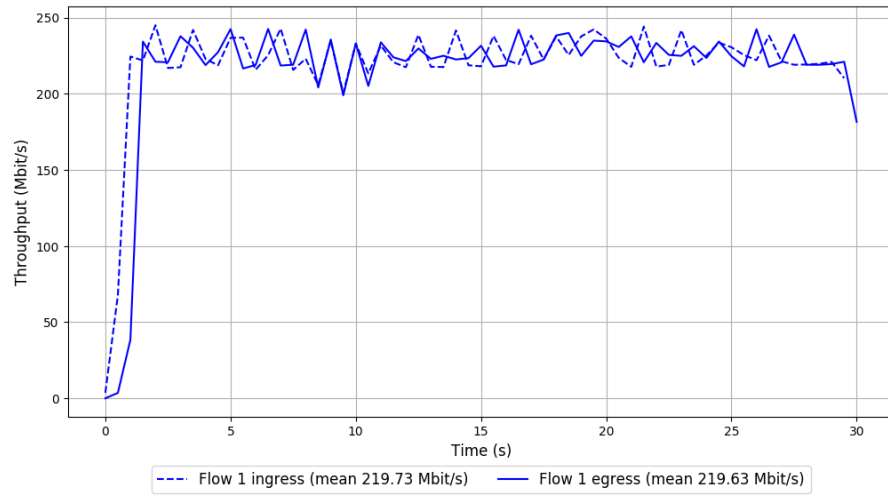


Run 6: Statistics of TCP Cubic

Start at: 2018-07-20 16:19:46
End at: 2018-07-20 16:20:16
Local clock offset: -0.199 ms
Remote clock offset: -1.472 ms

Below is generated by plot.py at 2018-07-20 18:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.63 Mbit/s
95th percentile per-packet one-way delay: 65.327 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 219.63 Mbit/s
95th percentile per-packet one-way delay: 65.327 ms
Loss rate: 0.40%

Run 6: Report of TCP Cubic — Data Link

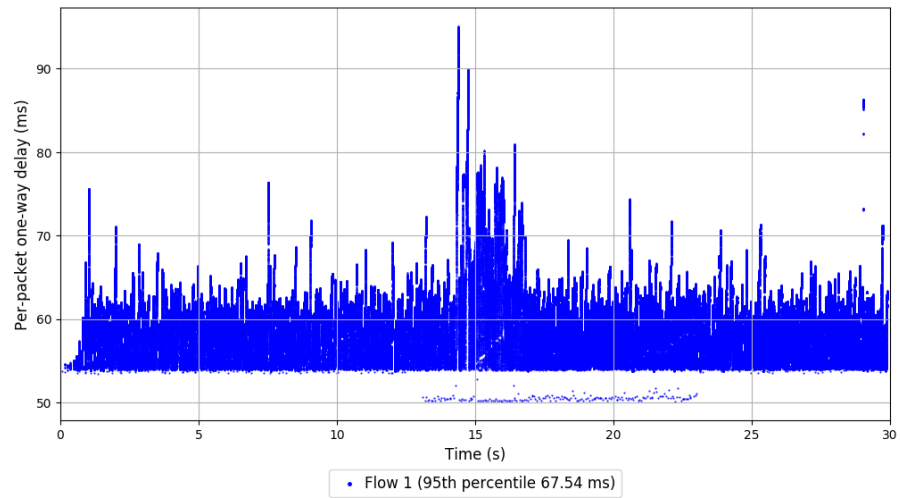
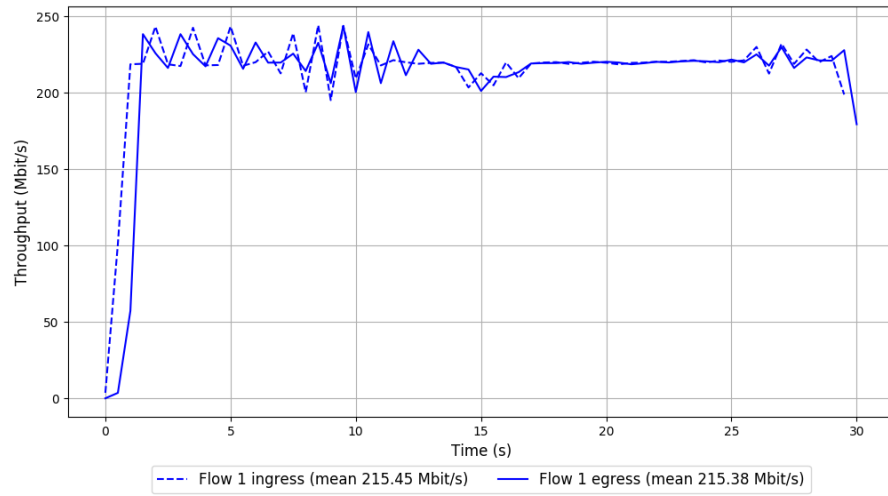


Run 7: Statistics of TCP Cubic

Start at: 2018-07-20 16:41:51
End at: 2018-07-20 16:42:21
Local clock offset: 0.053 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-20 18:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.38 Mbit/s
95th percentile per-packet one-way delay: 67.542 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 215.38 Mbit/s
95th percentile per-packet one-way delay: 67.542 ms
Loss rate: 0.38%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-20 17:03:42

End at: 2018-07-20 17:04:12

Local clock offset: 0.019 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-20 18:28:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.23 Mbit/s

95th percentile per-packet one-way delay: 63.634 ms

Loss rate: 0.20%

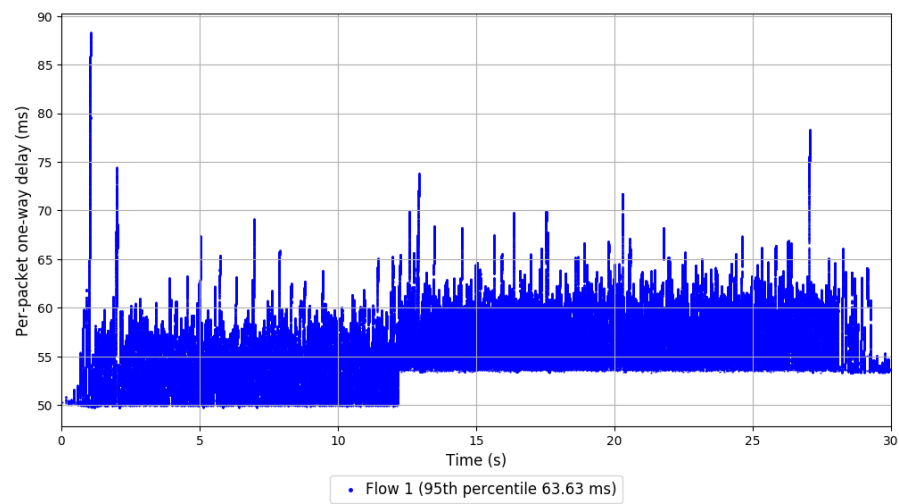
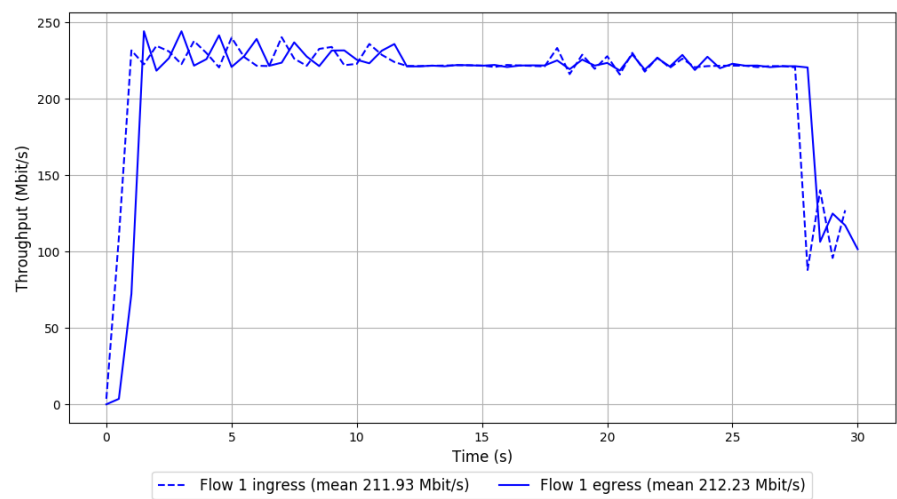
-- Flow 1:

Average throughput: 212.23 Mbit/s

95th percentile per-packet one-way delay: 63.634 ms

Loss rate: 0.20%

Run 8: Report of TCP Cubic — Data Link

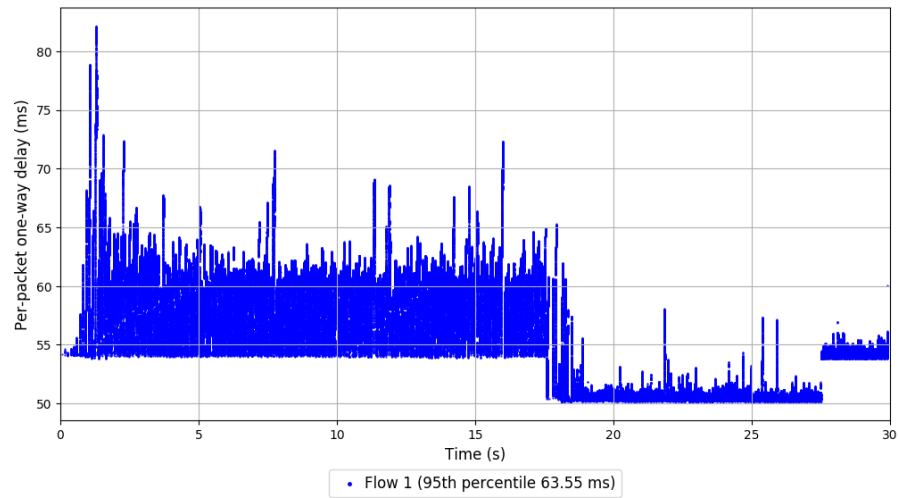
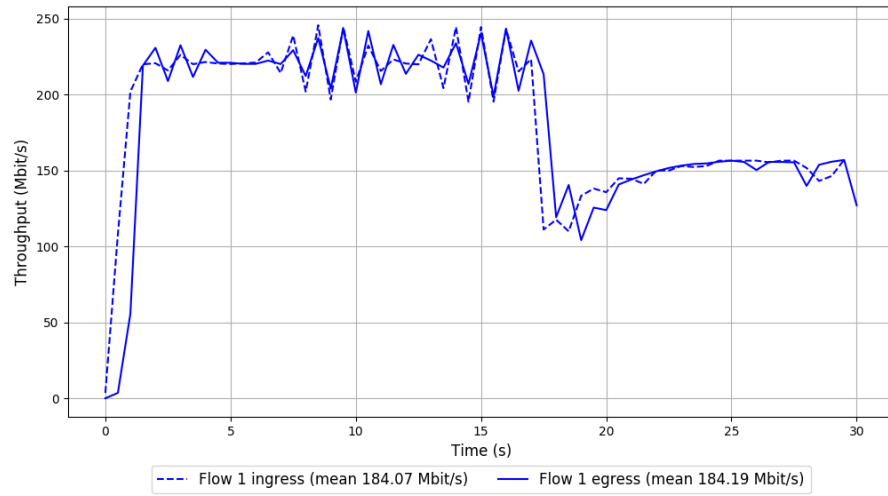


Run 9: Statistics of TCP Cubic

Start at: 2018-07-20 17:25:46
End at: 2018-07-20 17:26:16
Local clock offset: 0.097 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-07-20 18:28:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.19 Mbit/s
95th percentile per-packet one-way delay: 63.546 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 184.19 Mbit/s
95th percentile per-packet one-way delay: 63.546 ms
Loss rate: 0.29%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-20 17:48:05

End at: 2018-07-20 17:48:35

Local clock offset: -0.097 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-20 18:28:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.23 Mbit/s

95th percentile per-packet one-way delay: 64.842 ms

Loss rate: 0.37%

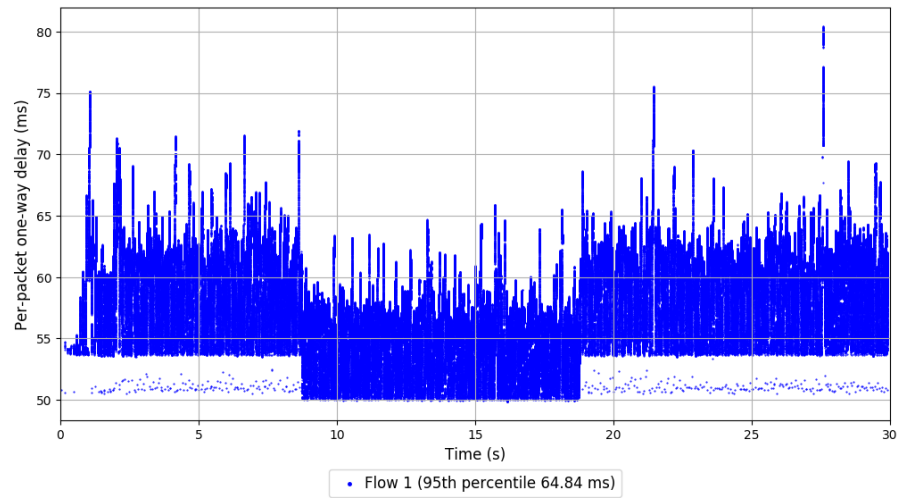
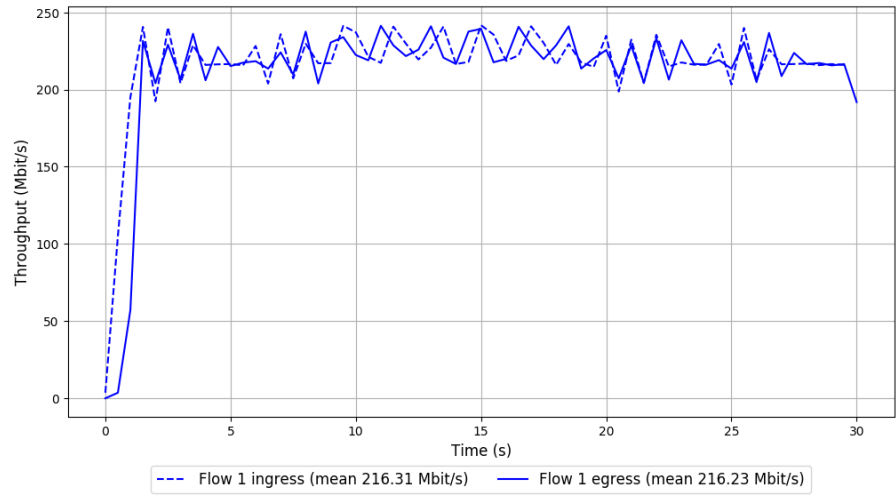
-- Flow 1:

Average throughput: 216.23 Mbit/s

95th percentile per-packet one-way delay: 64.842 ms

Loss rate: 0.37%

Run 10: Report of TCP Cubic — Data Link

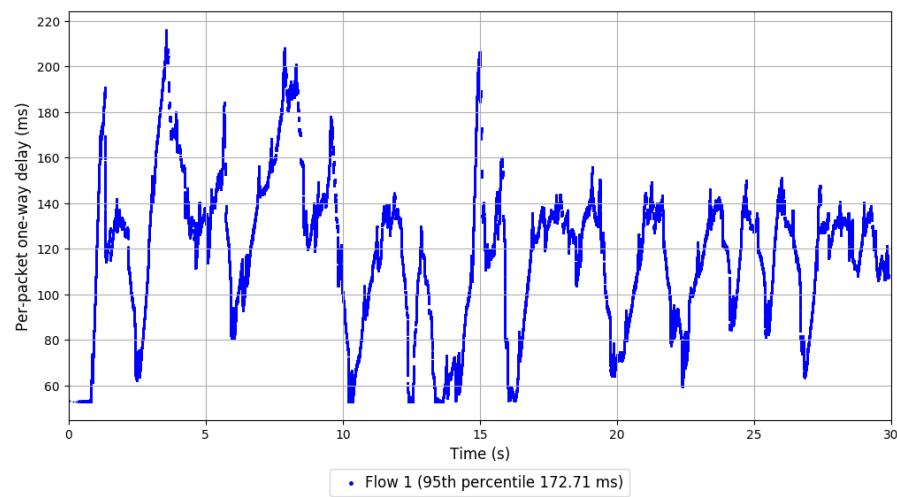
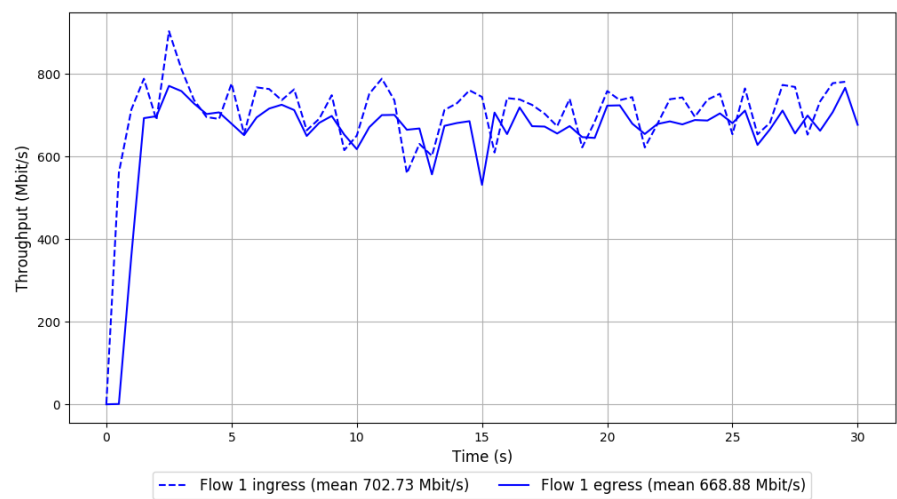


Run 1: Statistics of FillP

Start at: 2018-07-20 14:38:20
End at: 2018-07-20 14:38:50
Local clock offset: -0.167 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-20 18:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.88 Mbit/s
95th percentile per-packet one-way delay: 172.714 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 668.88 Mbit/s
95th percentile per-packet one-way delay: 172.714 ms
Loss rate: 5.16%

Run 1: Report of FillP — Data Link

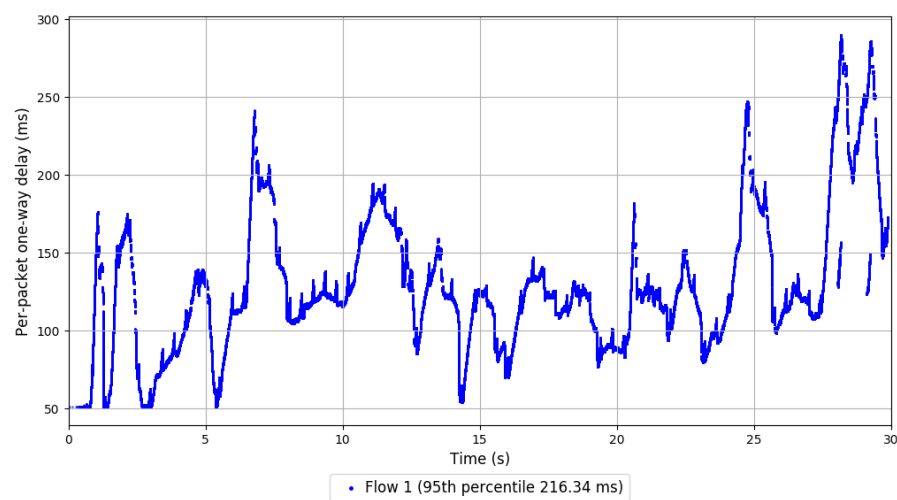
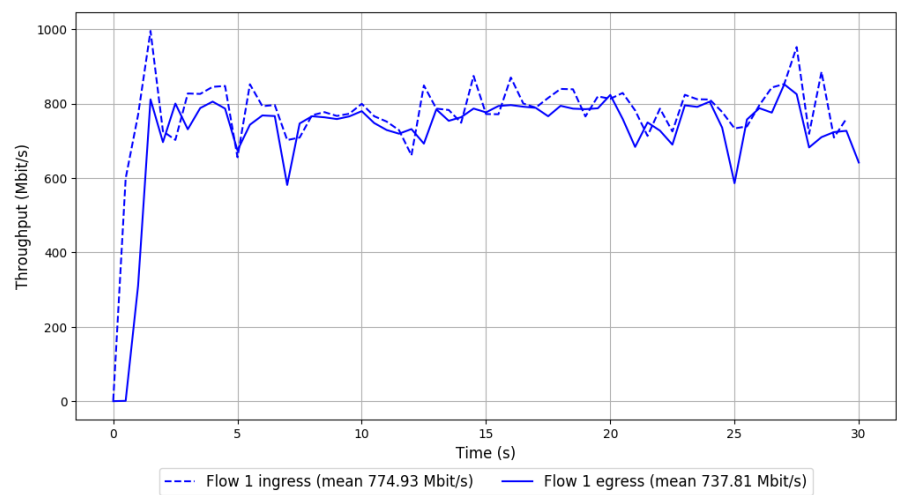


Run 2: Statistics of FillP

Start at: 2018-07-20 14:59:43
End at: 2018-07-20 15:00:13
Local clock offset: -0.16 ms
Remote clock offset: -1.325 ms

Below is generated by plot.py at 2018-07-20 18:44:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 737.81 Mbit/s
95th percentile per-packet one-way delay: 216.340 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 737.81 Mbit/s
95th percentile per-packet one-way delay: 216.340 ms
Loss rate: 5.12%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-20 15:21:28

End at: 2018-07-20 15:21:58

Local clock offset: 0.135 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-20 18:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 759.30 Mbit/s

95th percentile per-packet one-way delay: 239.501 ms

Loss rate: 4.59%

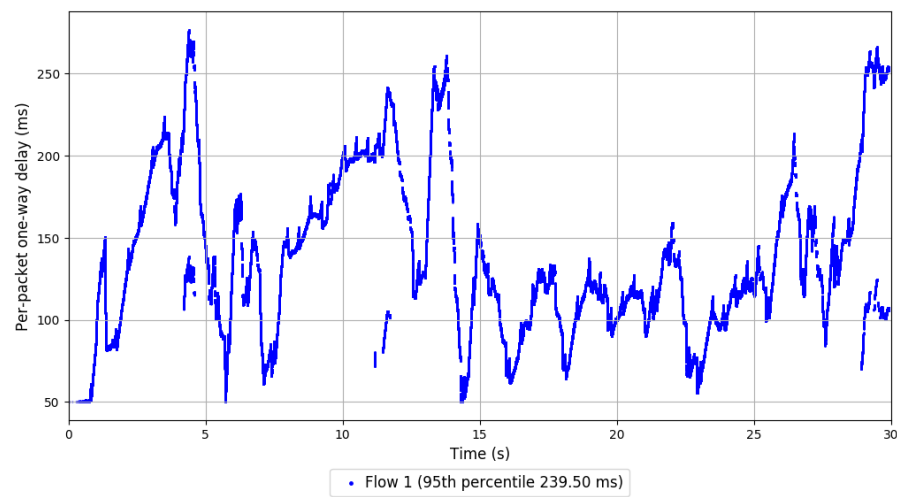
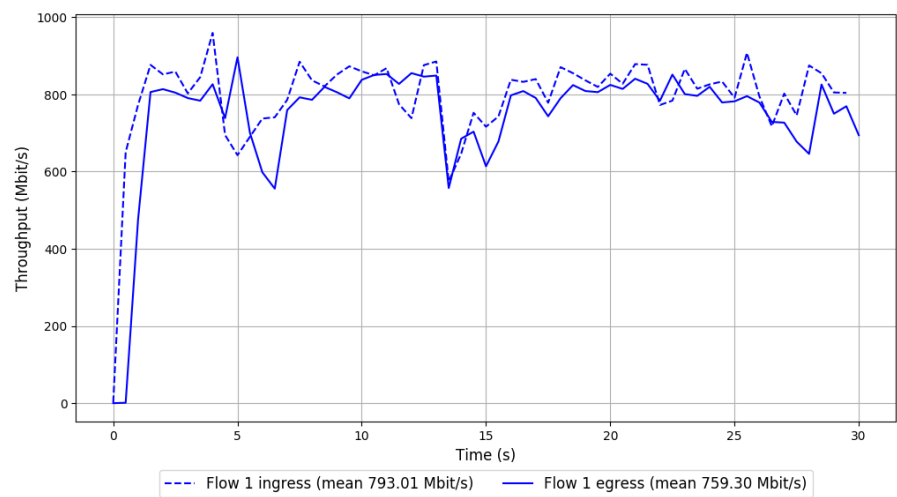
-- Flow 1:

Average throughput: 759.30 Mbit/s

95th percentile per-packet one-way delay: 239.501 ms

Loss rate: 4.59%

Run 3: Report of FillP — Data Link

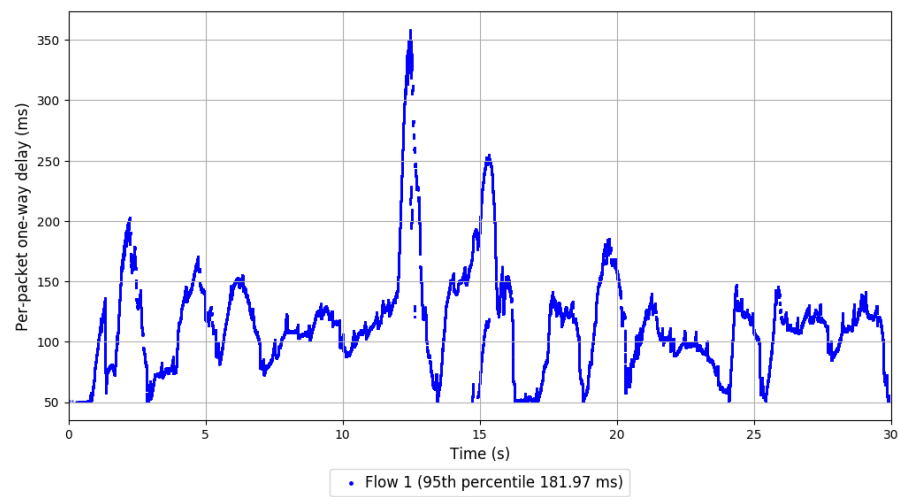
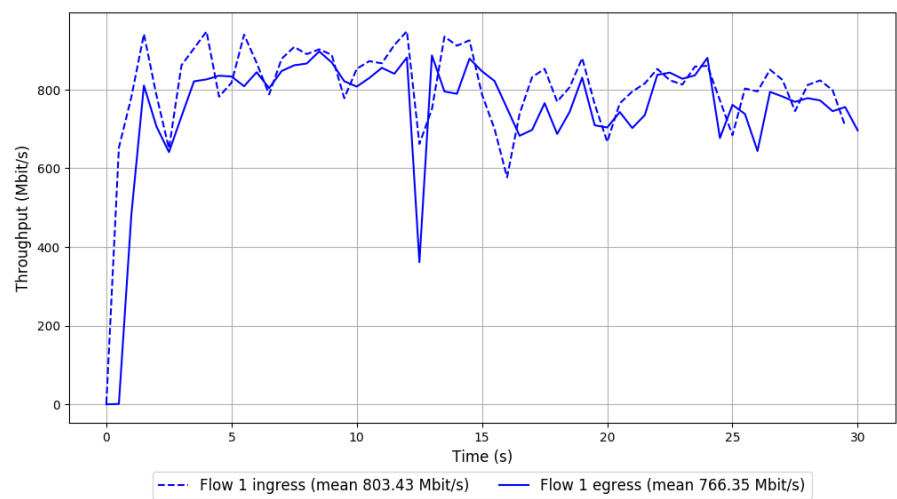


Run 4: Statistics of FillP

Start at: 2018-07-20 15:43:44
End at: 2018-07-20 15:44:14
Local clock offset: 0.022 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-20 18:46:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 766.35 Mbit/s
95th percentile per-packet one-way delay: 181.971 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 766.35 Mbit/s
95th percentile per-packet one-way delay: 181.971 ms
Loss rate: 4.95%

Run 4: Report of FillP — Data Link

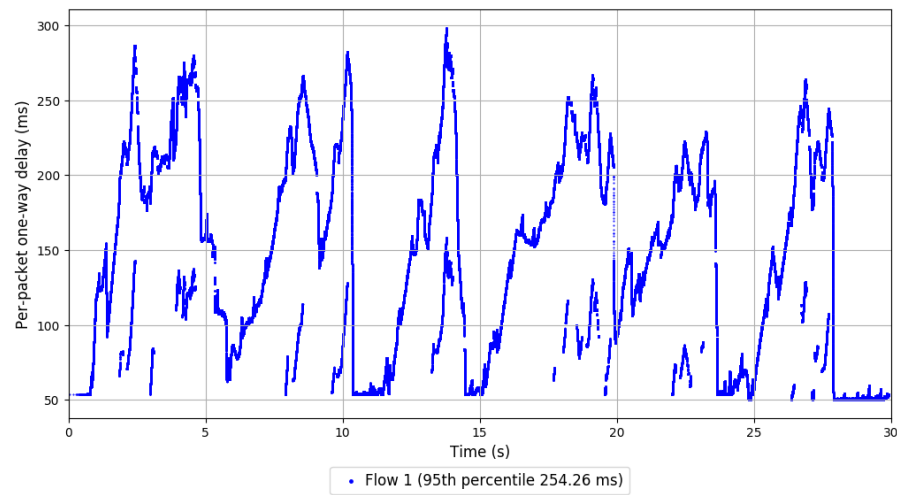
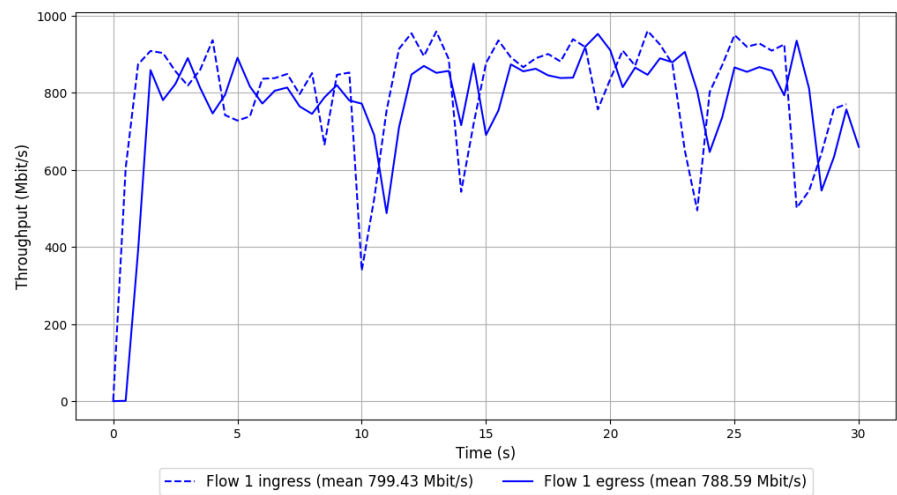


Run 5: Statistics of FillP

Start at: 2018-07-20 16:05:29
End at: 2018-07-20 16:05:59
Local clock offset: -0.219 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-20 18:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 788.59 Mbit/s
95th percentile per-packet one-way delay: 254.260 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 788.59 Mbit/s
95th percentile per-packet one-way delay: 254.260 ms
Loss rate: 1.71%

Run 5: Report of FillP — Data Link

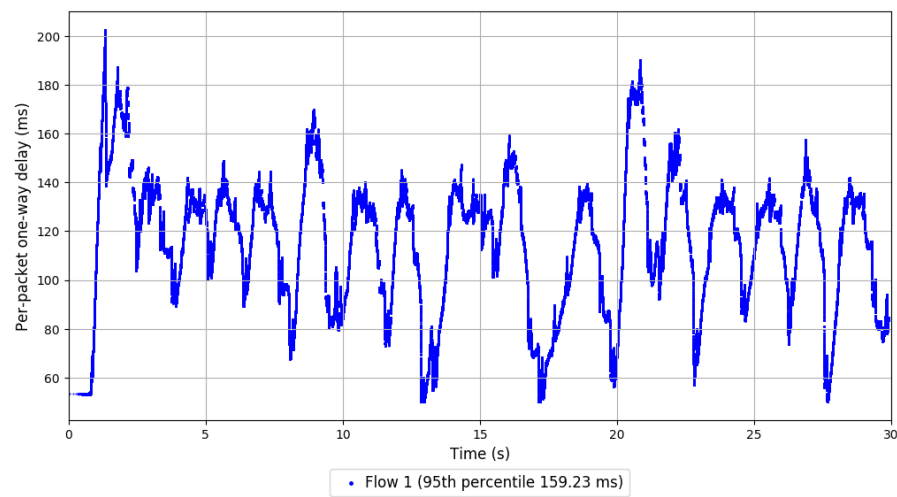
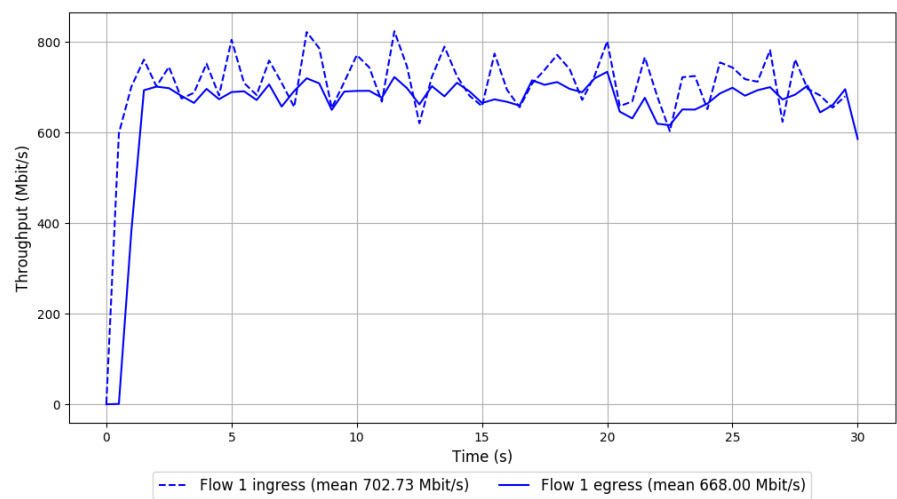


Run 6: Statistics of FillP

Start at: 2018-07-20 16:27:24
End at: 2018-07-20 16:27:54
Local clock offset: -0.277 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-20 18:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.00 Mbit/s
95th percentile per-packet one-way delay: 159.226 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 668.00 Mbit/s
95th percentile per-packet one-way delay: 159.226 ms
Loss rate: 5.28%

Run 6: Report of FillP — Data Link

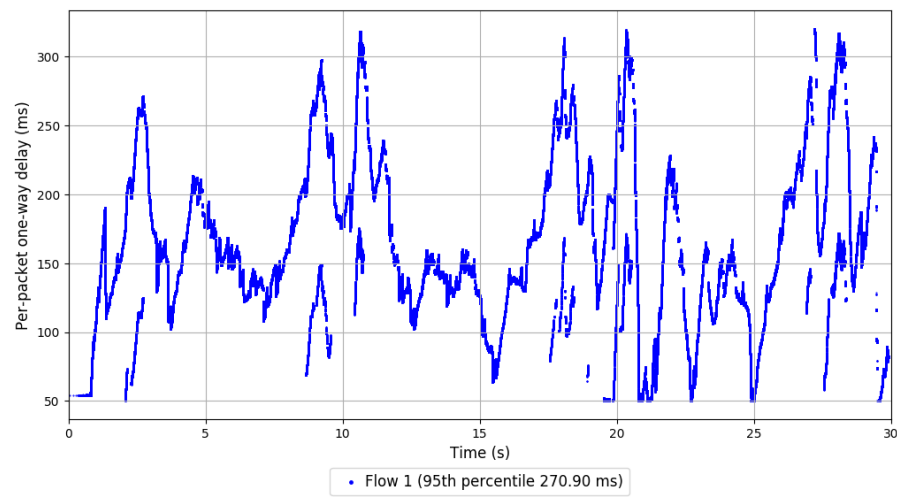
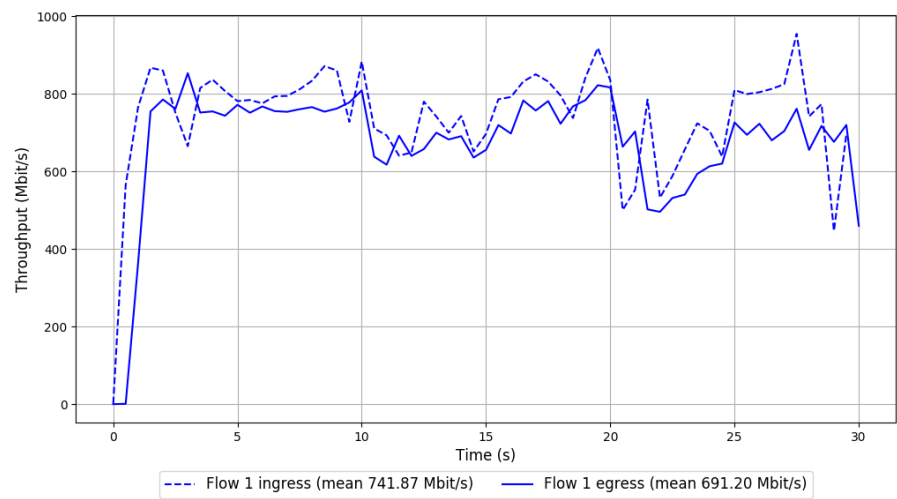


Run 7: Statistics of FillP

Start at: 2018-07-20 16:49:23
End at: 2018-07-20 16:49:53
Local clock offset: 0.248 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-20 18:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 691.20 Mbit/s
95th percentile per-packet one-way delay: 270.902 ms
Loss rate: 7.17%
-- Flow 1:
Average throughput: 691.20 Mbit/s
95th percentile per-packet one-way delay: 270.902 ms
Loss rate: 7.17%

Run 7: Report of FillP — Data Link

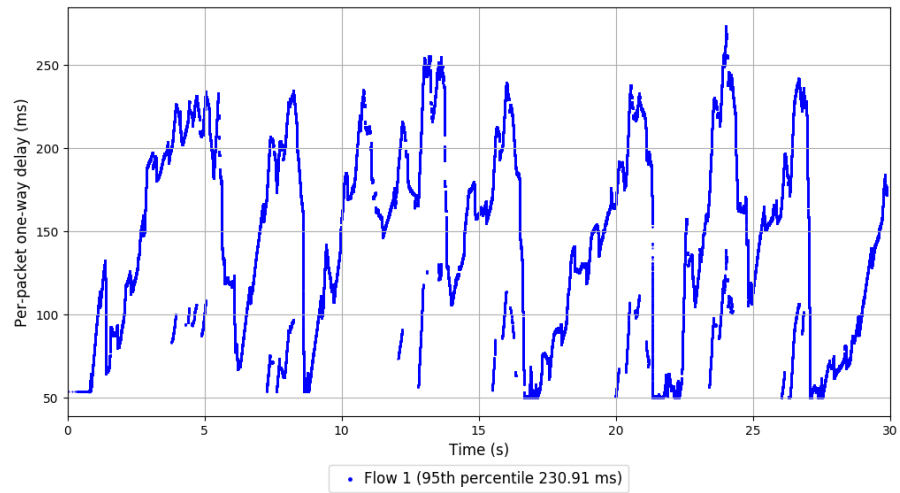
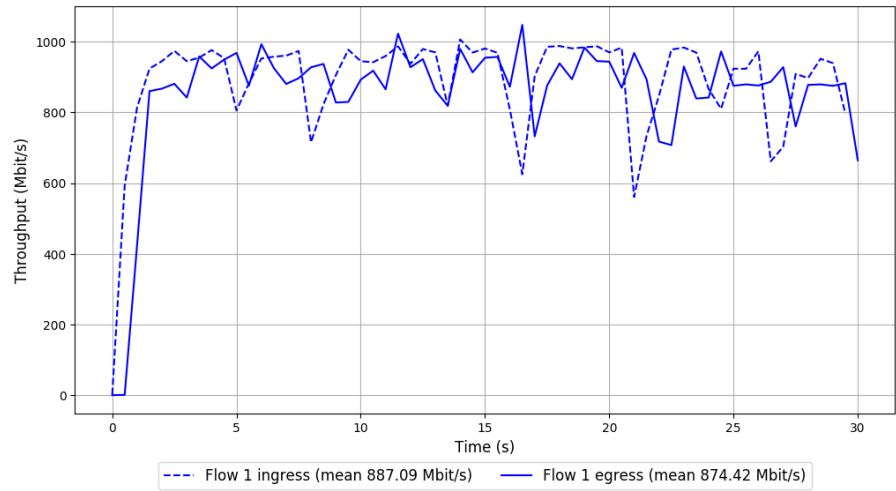


Run 8: Statistics of FillP

Start at: 2018-07-20 17:11:17
End at: 2018-07-20 17:11:47
Local clock offset: -0.124 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 18:48:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 874.42 Mbit/s
95th percentile per-packet one-way delay: 230.908 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 874.42 Mbit/s
95th percentile per-packet one-way delay: 230.908 ms
Loss rate: 1.79%

Run 8: Report of FillP — Data Link

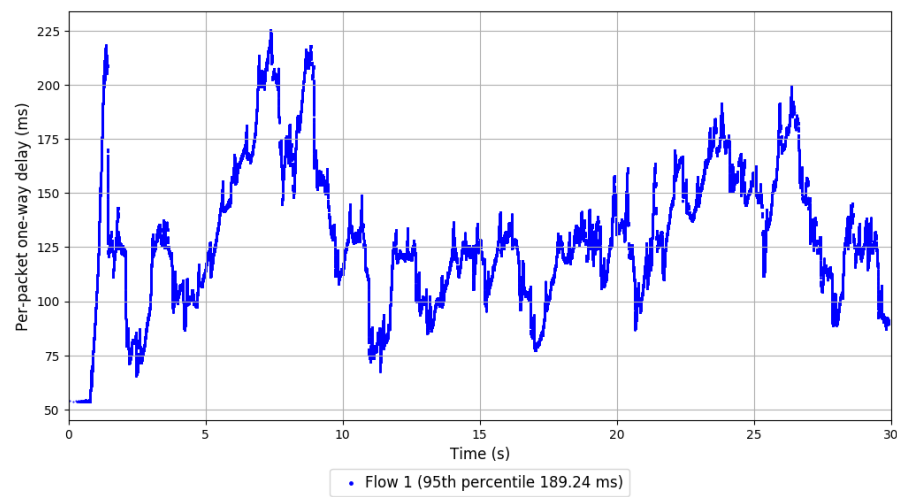
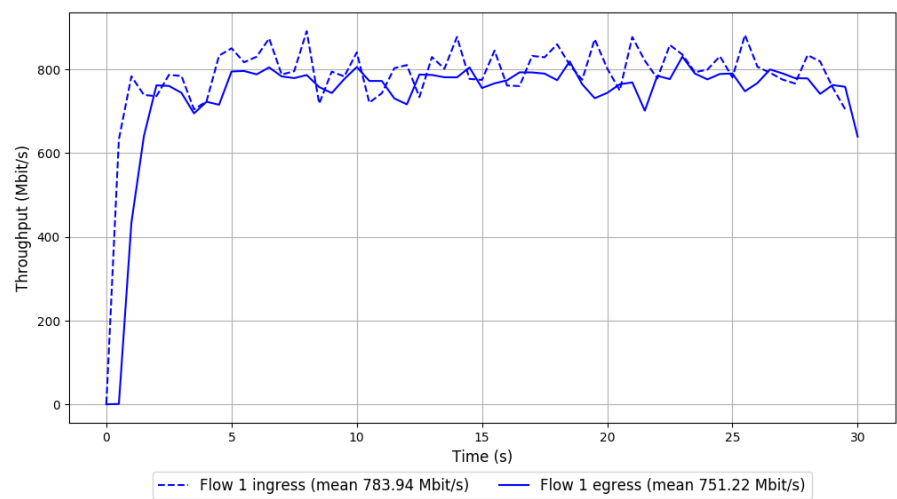


Run 9: Statistics of FillP

Start at: 2018-07-20 17:33:41
End at: 2018-07-20 17:34:11
Local clock offset: -0.184 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-20 19:00:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 751.22 Mbit/s
95th percentile per-packet one-way delay: 189.240 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 751.22 Mbit/s
95th percentile per-packet one-way delay: 189.240 ms
Loss rate: 4.52%

Run 9: Report of FillP — Data Link

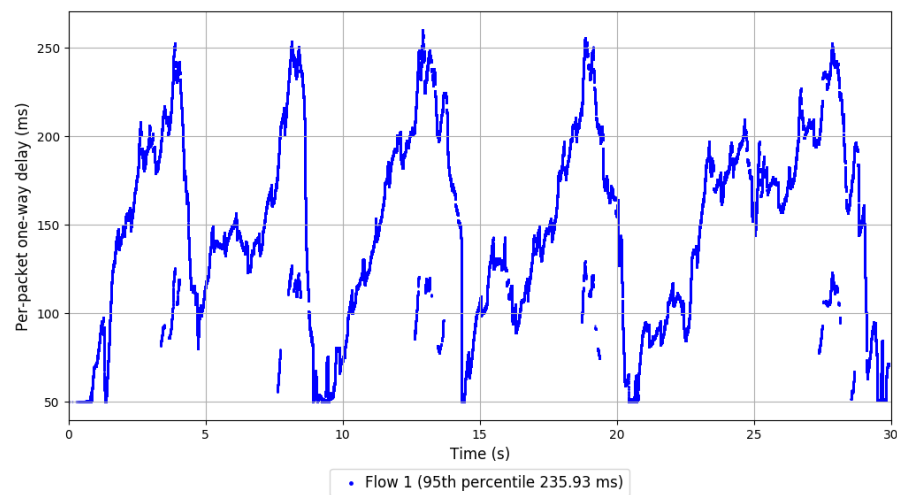
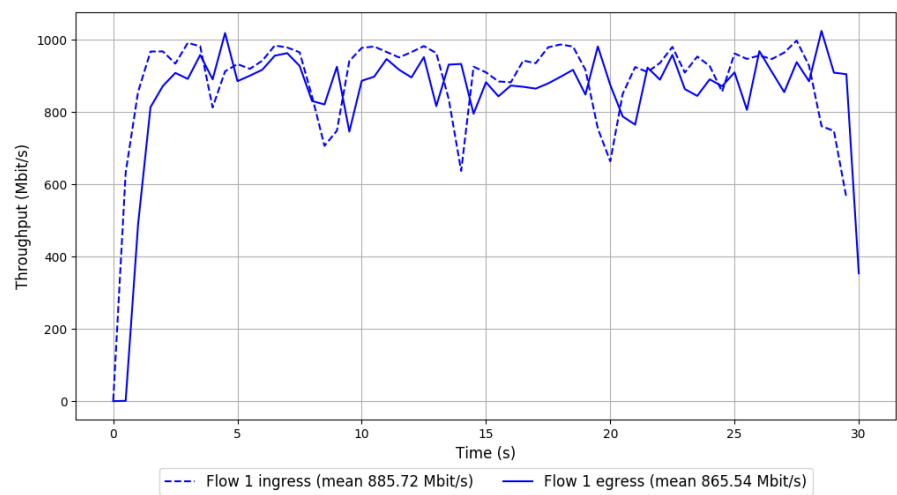


Run 10: Statistics of FillP

Start at: 2018-07-20 17:55:49
End at: 2018-07-20 17:56:19
Local clock offset: -0.158 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-20 19:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 865.54 Mbit/s
95th percentile per-packet one-way delay: 235.928 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 865.54 Mbit/s
95th percentile per-packet one-way delay: 235.928 ms
Loss rate: 2.61%

Run 10: Report of FillP — Data Link

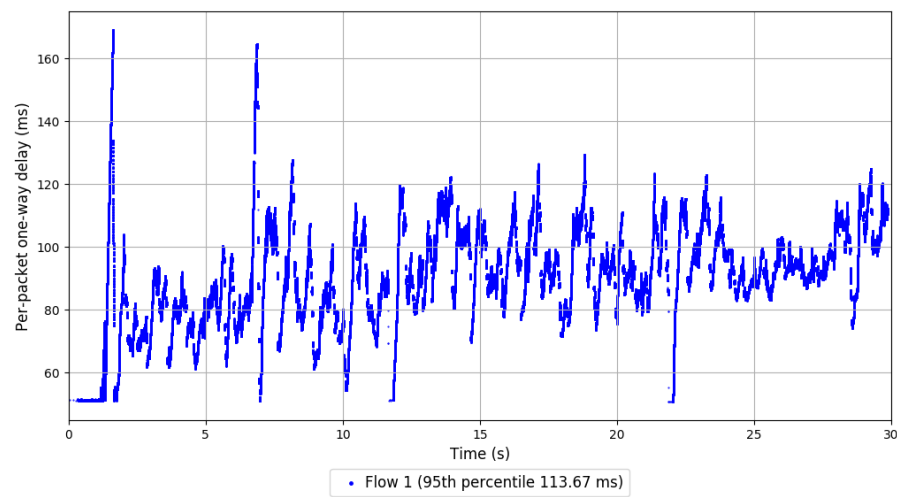
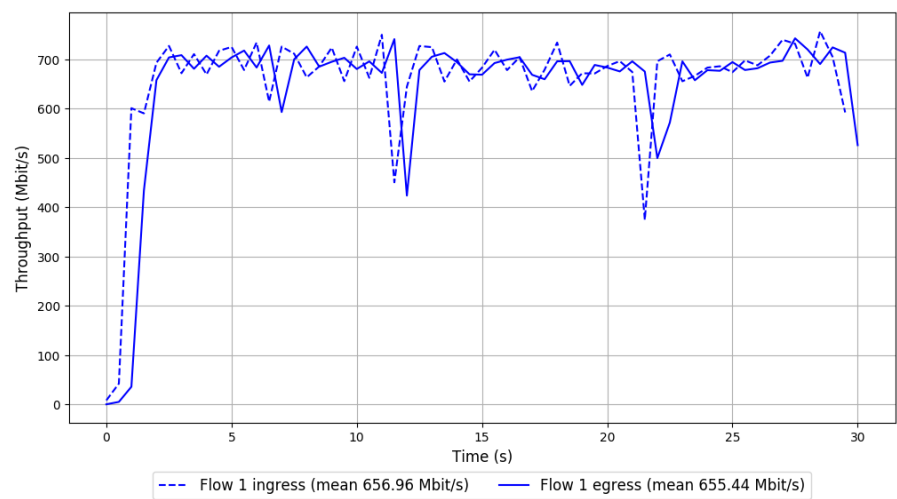


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-20 14:24:21
End at: 2018-07-20 14:24:51
Local clock offset: 0.049 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-07-20 19:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 655.44 Mbit/s
95th percentile per-packet one-way delay: 113.667 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 655.44 Mbit/s
95th percentile per-packet one-way delay: 113.667 ms
Loss rate: 0.58%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-20 14:45:52

End at: 2018-07-20 14:46:22

Local clock offset: -0.074 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-20 19:03:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 640.17 Mbit/s

95th percentile per-packet one-way delay: 110.837 ms

Loss rate: 0.57%

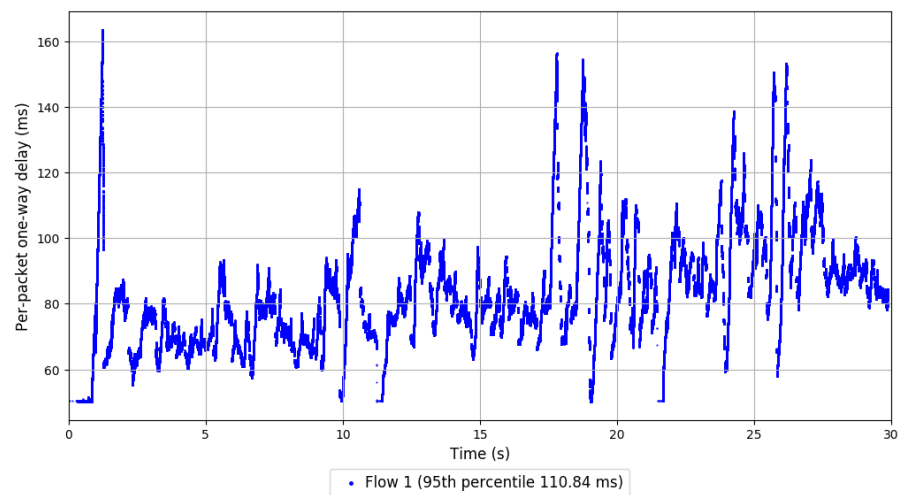
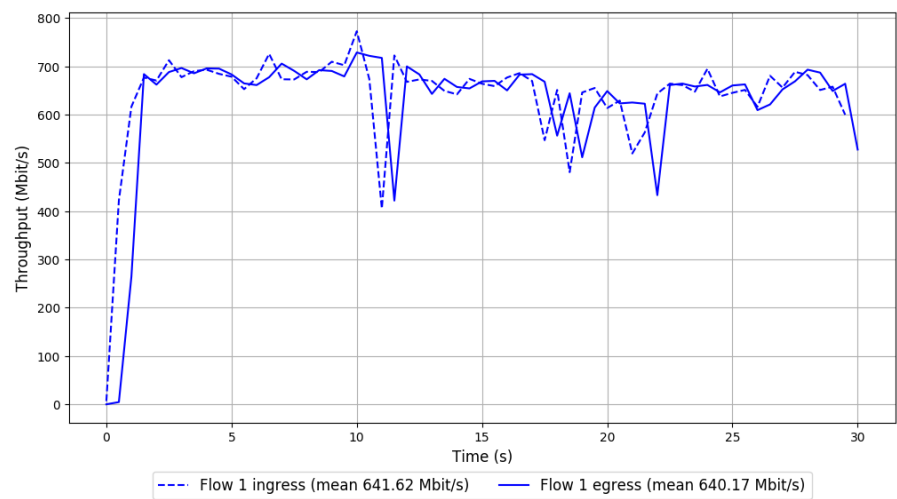
-- Flow 1:

Average throughput: 640.17 Mbit/s

95th percentile per-packet one-way delay: 110.837 ms

Loss rate: 0.57%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-20 15:07:18

End at: 2018-07-20 15:07:48

Local clock offset: -0.031 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-20 19:03:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 785.61 Mbit/s

95th percentile per-packet one-way delay: 124.747 ms

Loss rate: 0.91%

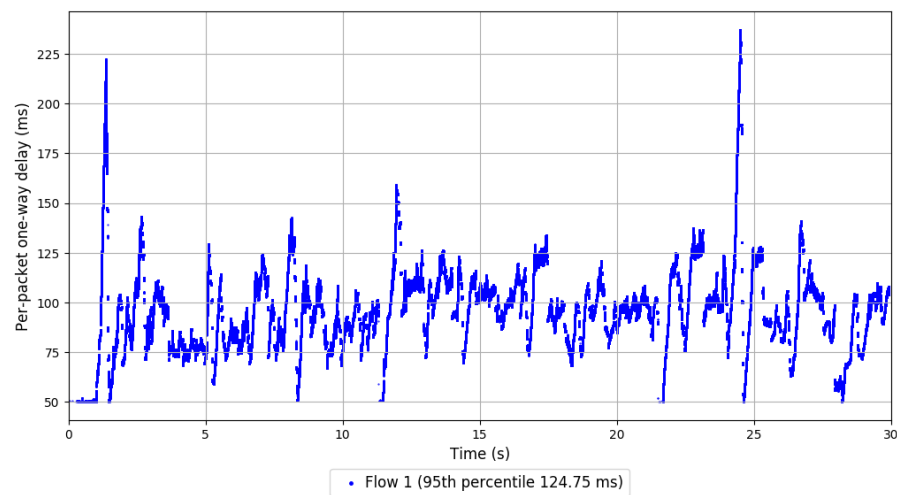
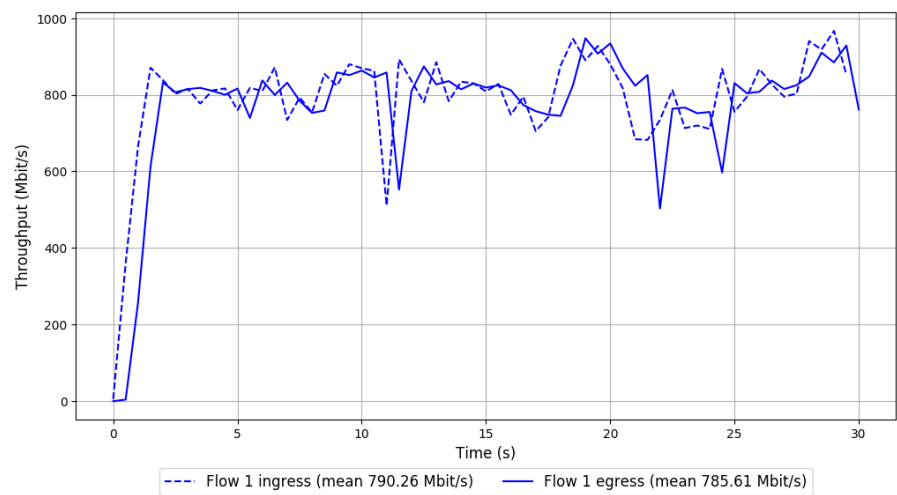
-- Flow 1:

Average throughput: 785.61 Mbit/s

95th percentile per-packet one-way delay: 124.747 ms

Loss rate: 0.91%

Run 3: Report of FillP-Sheep — Data Link

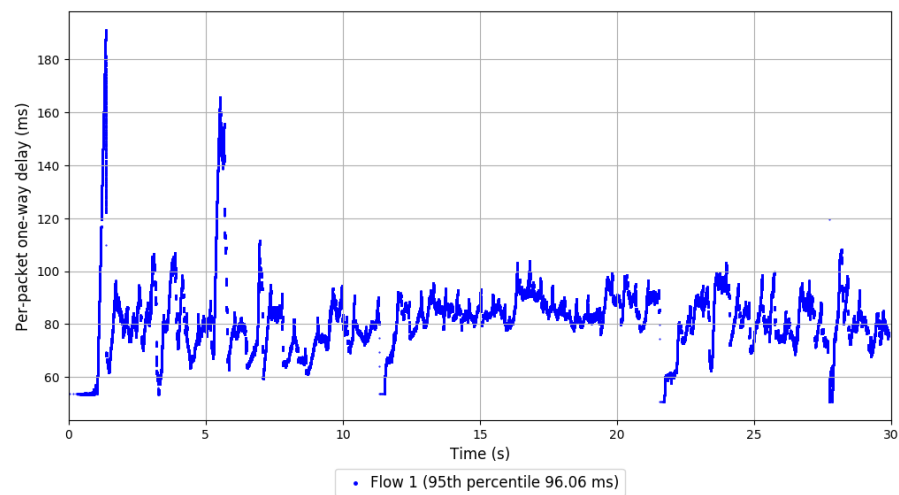
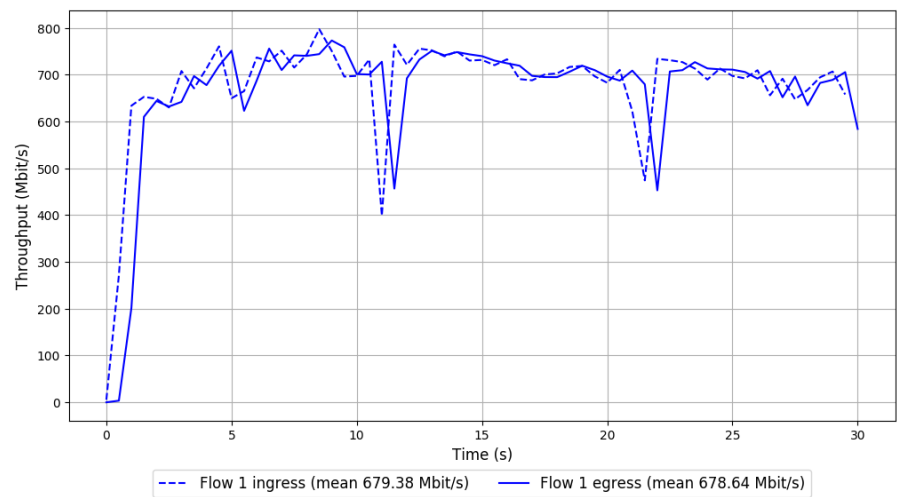


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-20 15:29:12
End at: 2018-07-20 15:29:42
Local clock offset: -0.106 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-20 19:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 678.64 Mbit/s
95th percentile per-packet one-way delay: 96.055 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 678.64 Mbit/s
95th percentile per-packet one-way delay: 96.055 ms
Loss rate: 0.47%

Run 4: Report of FillP-Sheep — Data Link

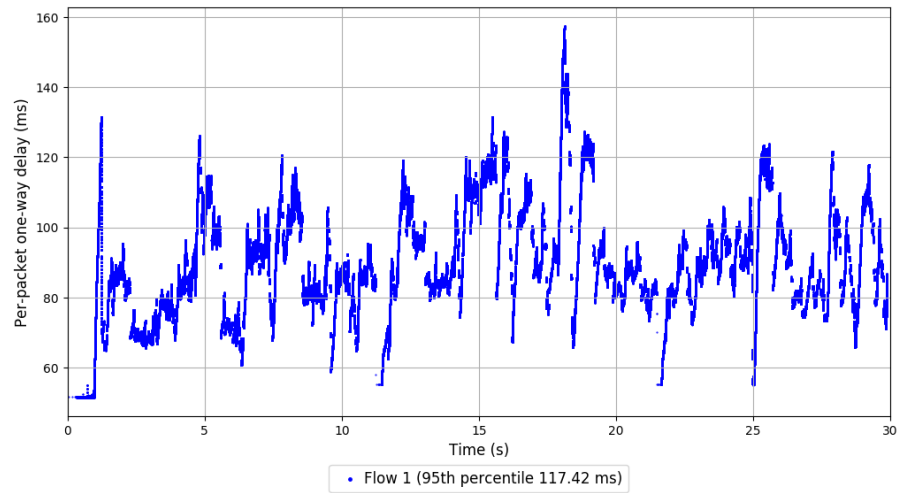
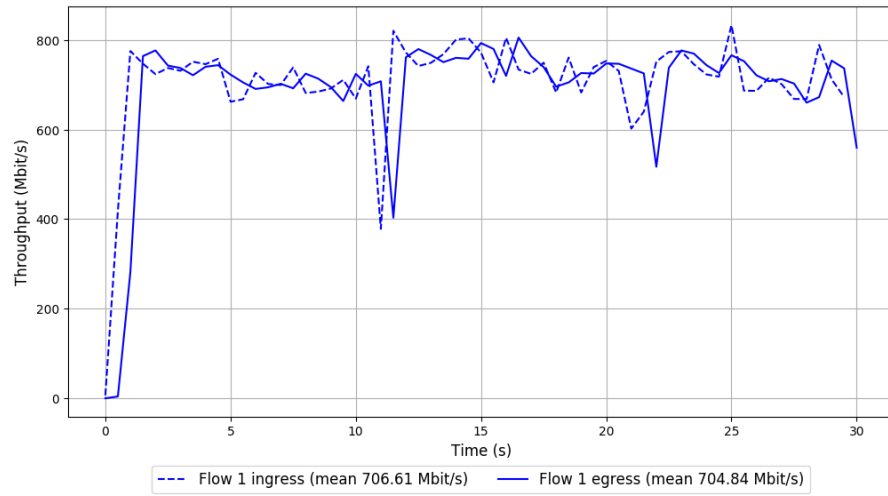


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-20 15:51:17
End at: 2018-07-20 15:51:47
Local clock offset: -0.2 ms
Remote clock offset: -1.492 ms

Below is generated by plot.py at 2018-07-20 19:03:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 704.84 Mbit/s
95th percentile per-packet one-way delay: 117.421 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 704.84 Mbit/s
95th percentile per-packet one-way delay: 117.421 ms
Loss rate: 0.60%

Run 5: Report of FillP-Sheep — Data Link

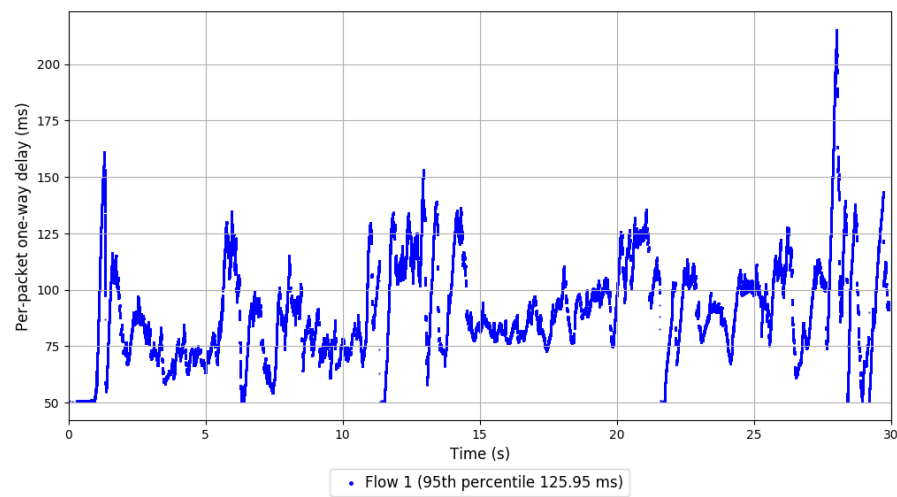
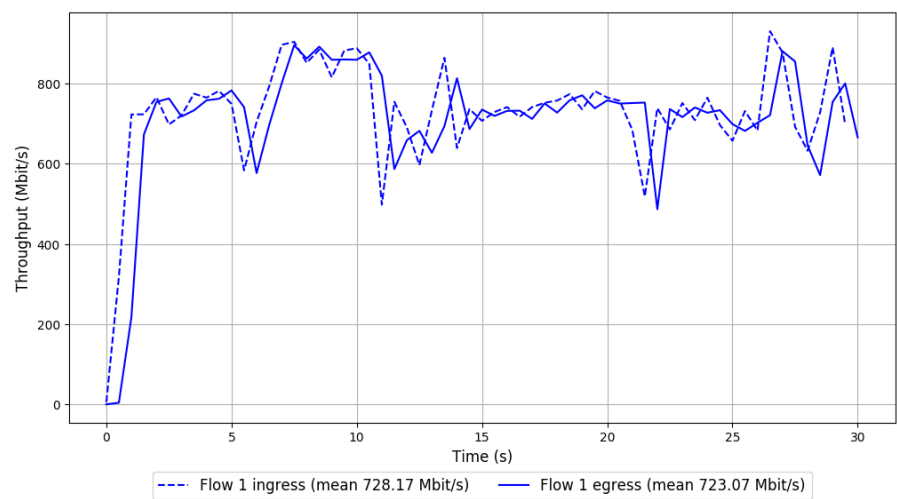


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-20 16:13:05
End at: 2018-07-20 16:13:35
Local clock offset: -0.068 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-20 19:05:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 723.07 Mbit/s
95th percentile per-packet one-way delay: 125.950 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 723.07 Mbit/s
95th percentile per-packet one-way delay: 125.950 ms
Loss rate: 1.05%

Run 6: Report of FillP-Sheep — Data Link

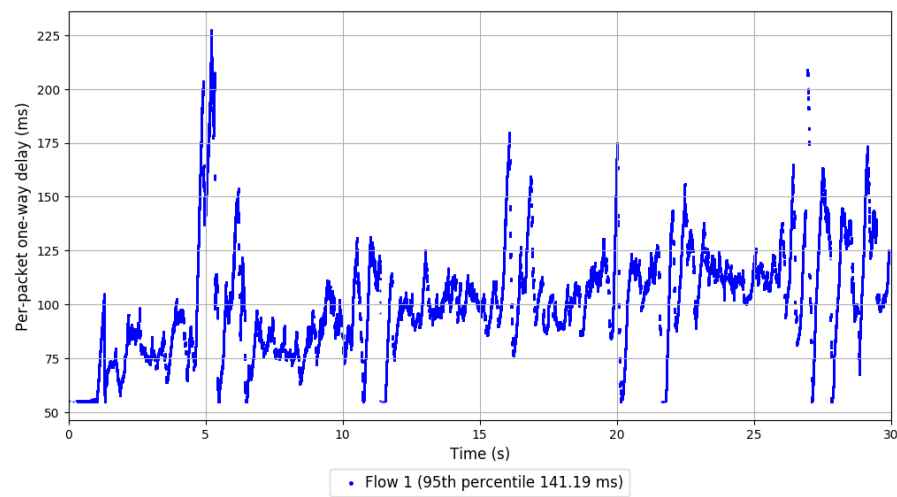
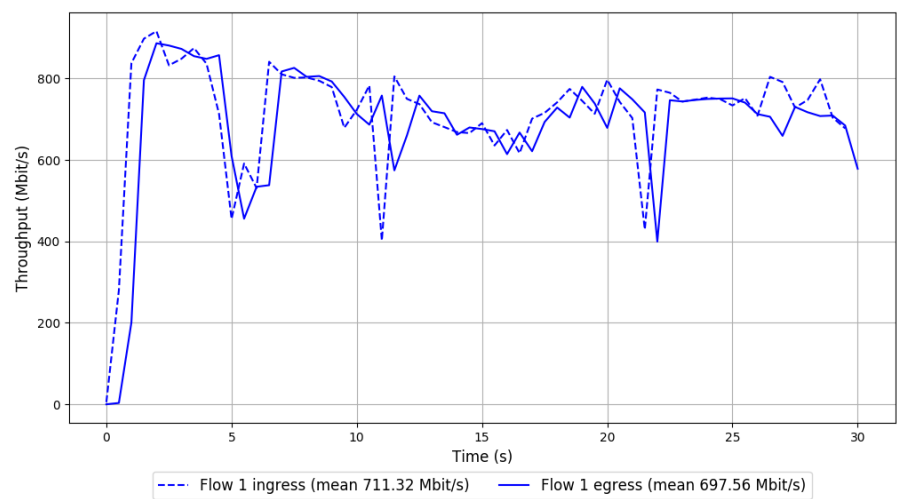


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-20 16:35:11
End at: 2018-07-20 16:35:41
Local clock offset: -0.131 ms
Remote clock offset: -1.451 ms

Below is generated by plot.py at 2018-07-20 19:16:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 697.56 Mbit/s
95th percentile per-packet one-way delay: 141.187 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 697.56 Mbit/s
95th percentile per-packet one-way delay: 141.187 ms
Loss rate: 2.29%

Run 7: Report of FillP-Sheep — Data Link

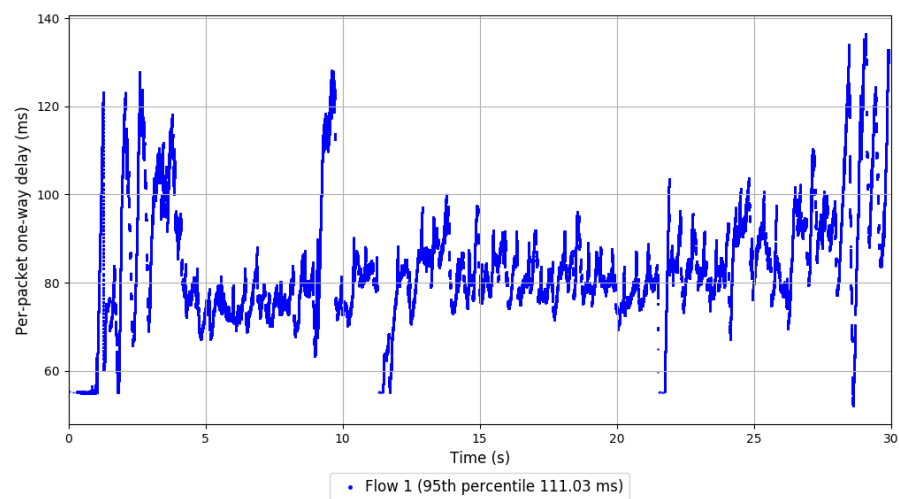
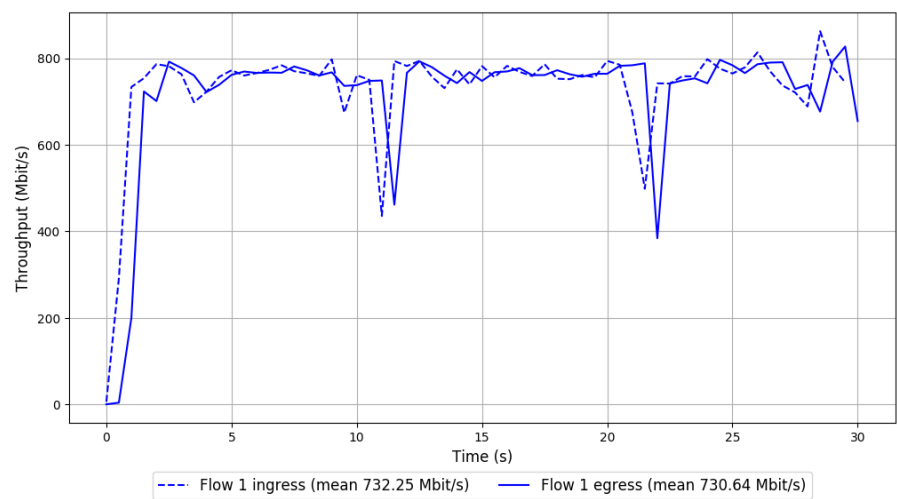


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-20 16:57:11
End at: 2018-07-20 16:57:41
Local clock offset: 0.172 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-07-20 19:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 730.64 Mbit/s
95th percentile per-packet one-way delay: 111.025 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 730.64 Mbit/s
95th percentile per-packet one-way delay: 111.025 ms
Loss rate: 0.56%

Run 8: Report of FillP-Sheep — Data Link

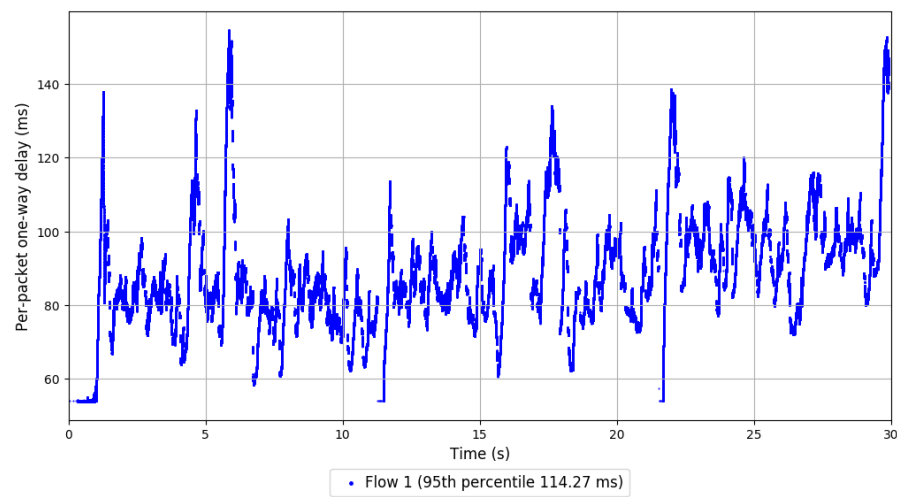
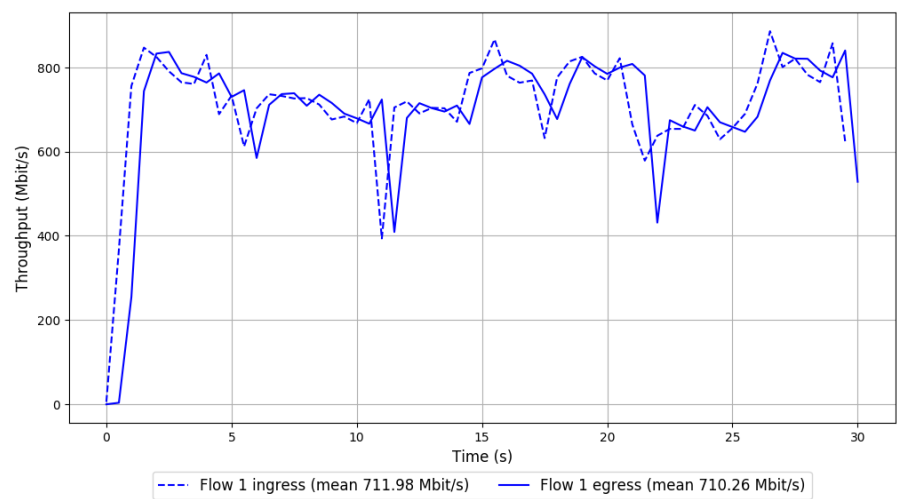


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-20 17:18:58
End at: 2018-07-20 17:19:28
Local clock offset: -0.112 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-07-20 19:17:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 710.26 Mbit/s
95th percentile per-packet one-way delay: 114.265 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 710.26 Mbit/s
95th percentile per-packet one-way delay: 114.265 ms
Loss rate: 0.60%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-20 17:41:21

End at: 2018-07-20 17:41:51

Local clock offset: -0.135 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 711.27 Mbit/s

95th percentile per-packet one-way delay: 123.001 ms

Loss rate: 0.61%

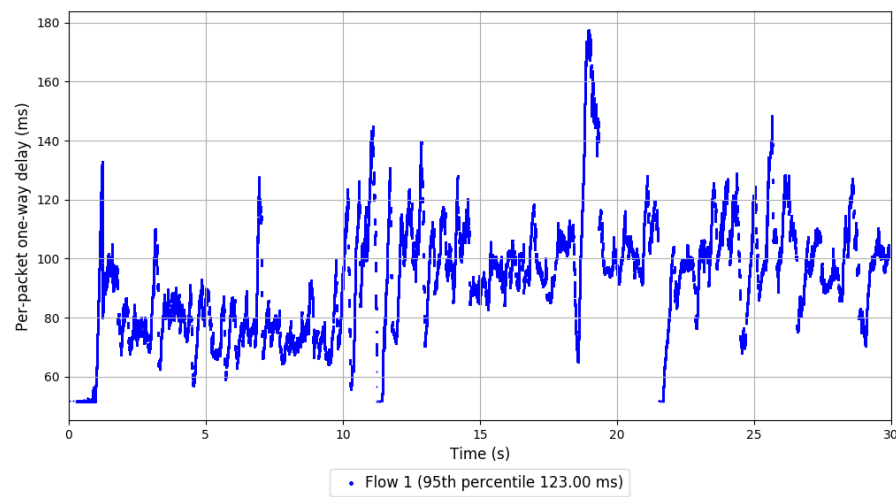
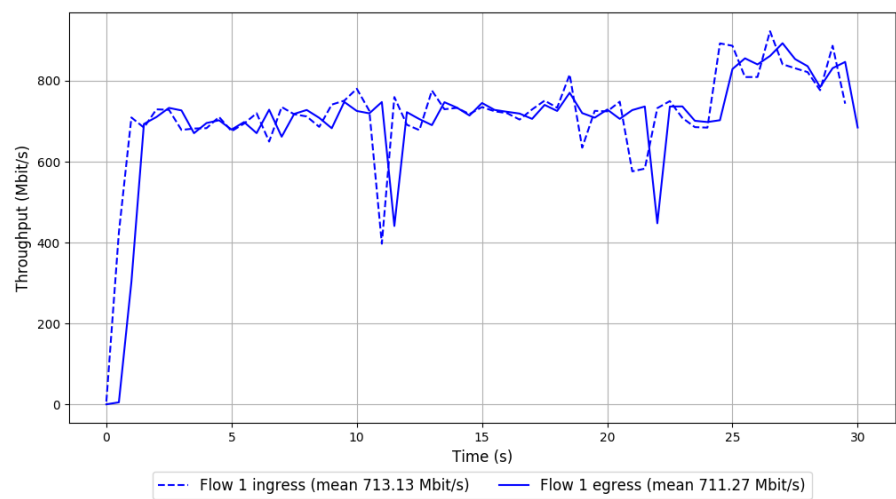
-- Flow 1:

Average throughput: 711.27 Mbit/s

95th percentile per-packet one-way delay: 123.001 ms

Loss rate: 0.61%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-20 14:42:19

End at: 2018-07-20 14:42:49

Local clock offset: 0.146 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.23 Mbit/s

95th percentile per-packet one-way delay: 54.330 ms

Loss rate: 0.34%

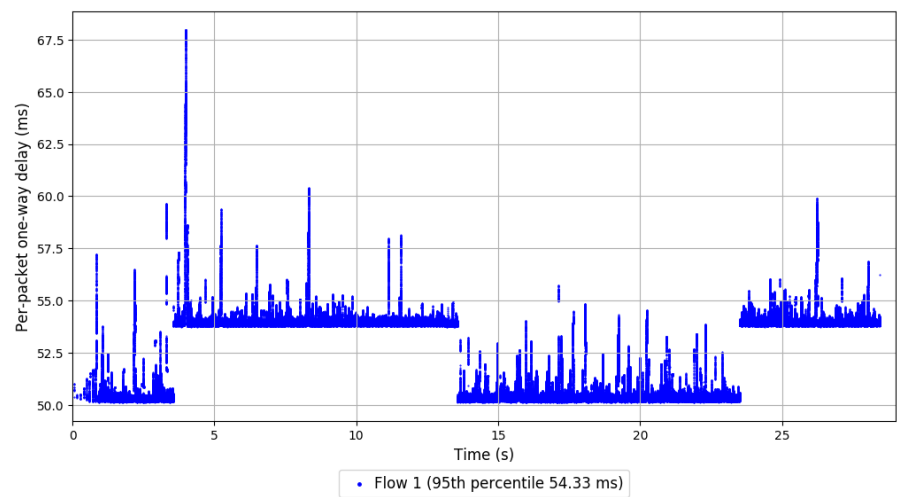
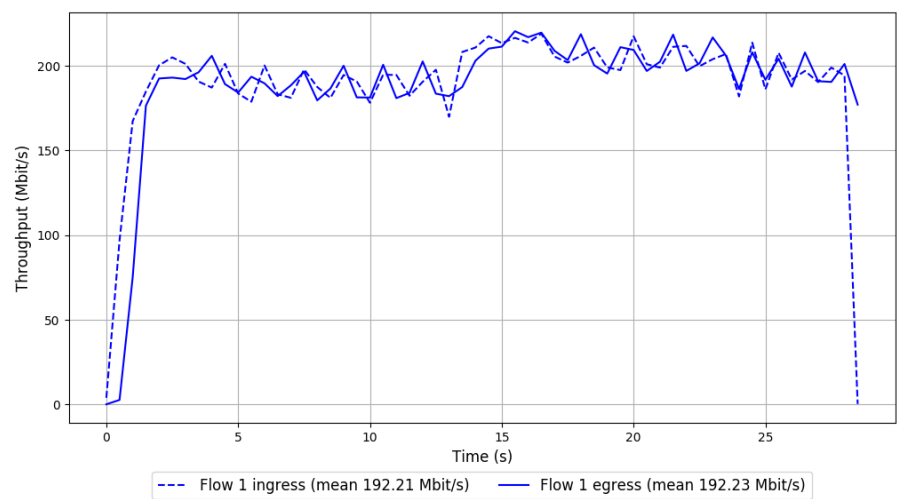
-- Flow 1:

Average throughput: 192.23 Mbit/s

95th percentile per-packet one-way delay: 54.330 ms

Loss rate: 0.34%

Run 1: Report of Indigo — Data Link

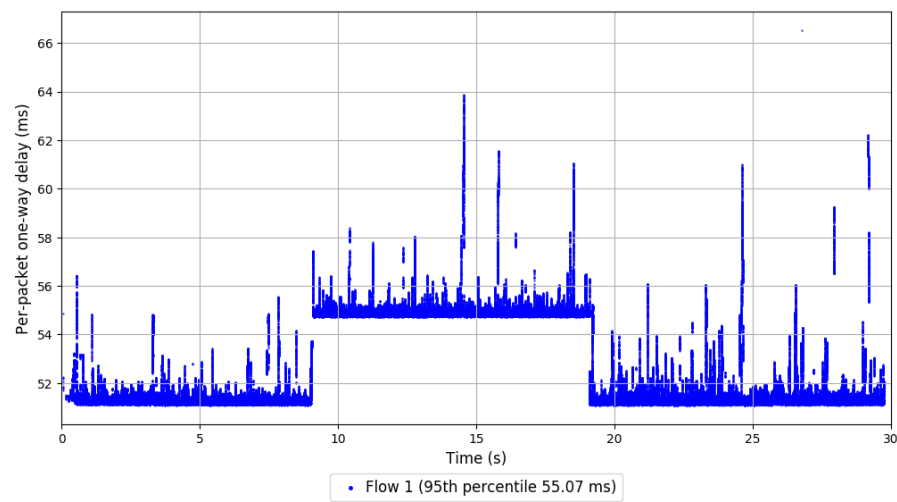
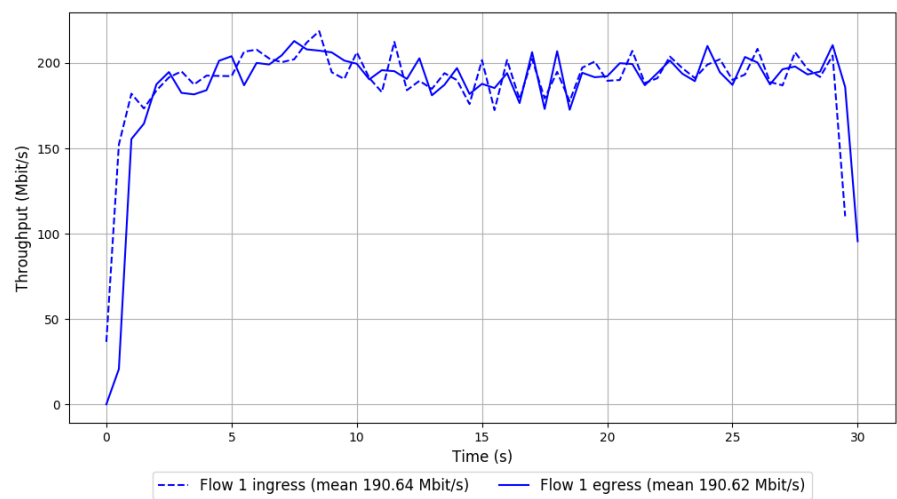


Run 2: Statistics of Indigo

Start at: 2018-07-20 15:03:45
End at: 2018-07-20 15:04:15
Local clock offset: -0.257 ms
Remote clock offset: -1.363 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.62 Mbit/s
95th percentile per-packet one-way delay: 55.068 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 190.62 Mbit/s
95th percentile per-packet one-way delay: 55.068 ms
Loss rate: 0.36%

Run 2: Report of Indigo — Data Link

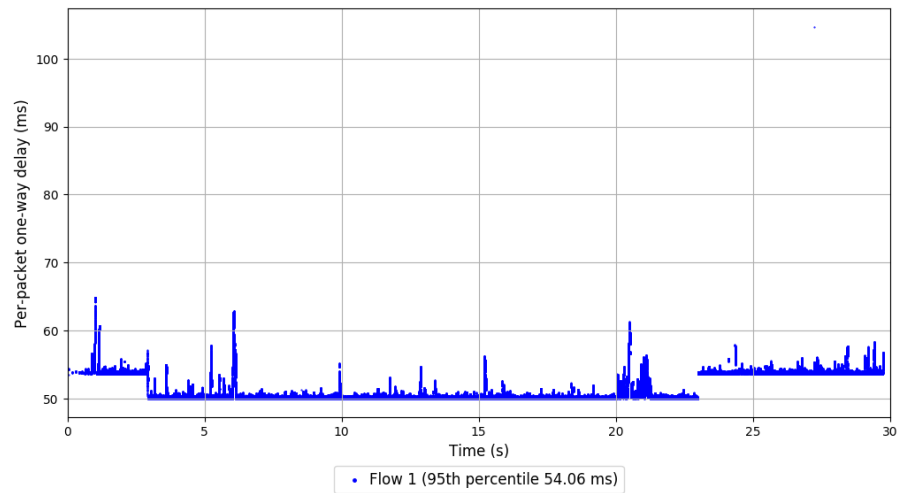
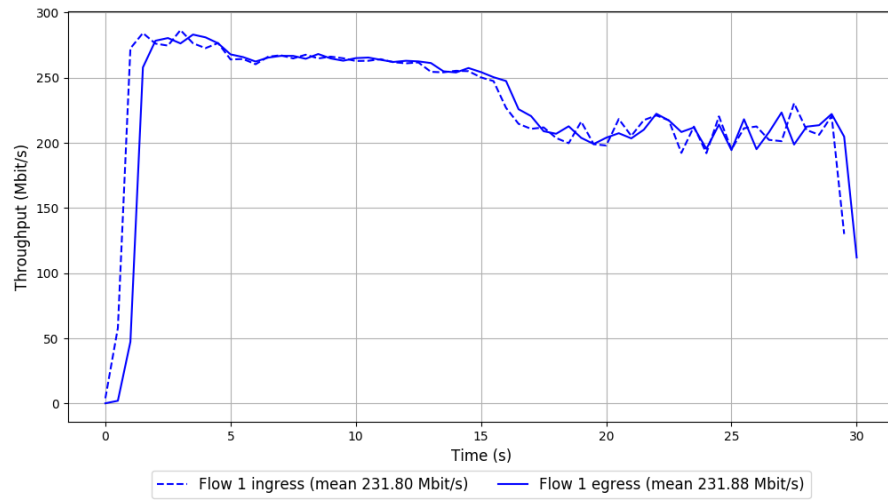


Run 3: Statistics of Indigo

Start at: 2018-07-20 15:25:31
End at: 2018-07-20 15:26:01
Local clock offset: -0.011 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.88 Mbit/s
95th percentile per-packet one-way delay: 54.057 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 231.88 Mbit/s
95th percentile per-packet one-way delay: 54.057 ms
Loss rate: 0.33%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-20 15:47:43

End at: 2018-07-20 15:48:13

Local clock offset: -0.231 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.31 Mbit/s

95th percentile per-packet one-way delay: 54.494 ms

Loss rate: 0.39%

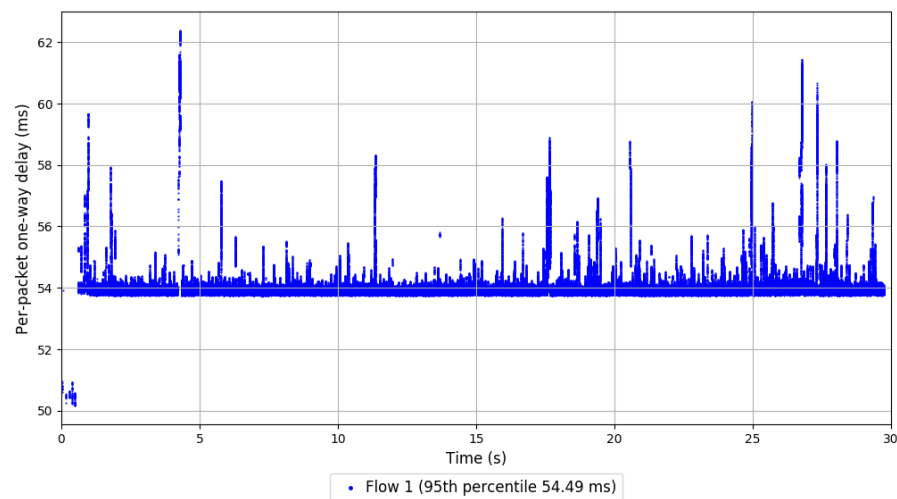
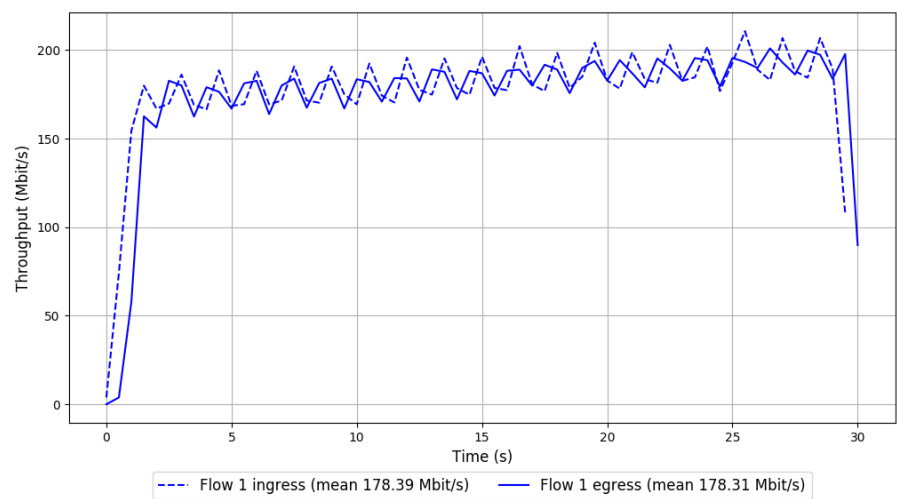
-- Flow 1:

Average throughput: 178.31 Mbit/s

95th percentile per-packet one-way delay: 54.494 ms

Loss rate: 0.39%

Run 4: Report of Indigo — Data Link

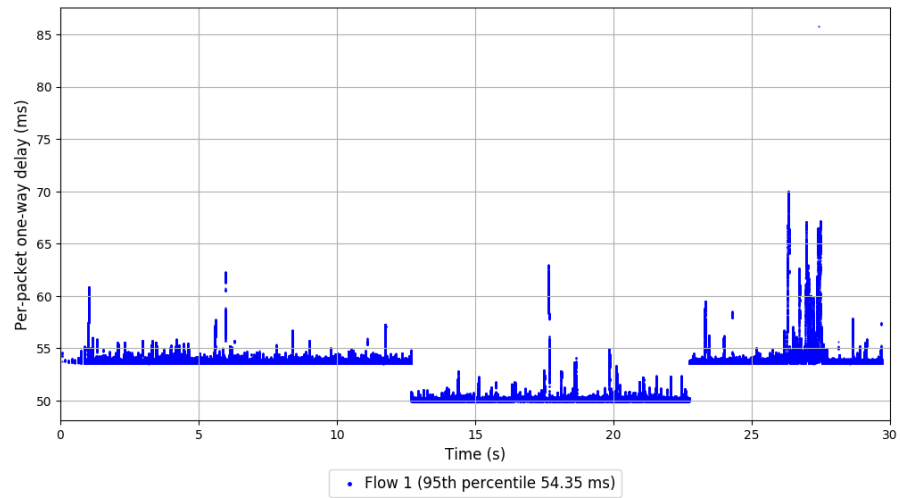
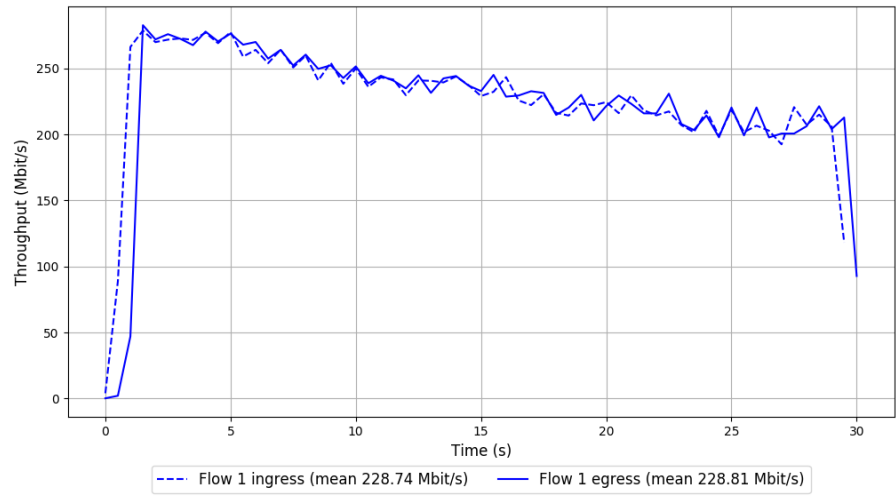


Run 5: Statistics of Indigo

Start at: 2018-07-20 16:09:31
End at: 2018-07-20 16:10:01
Local clock offset: -0.219 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.81 Mbit/s
95th percentile per-packet one-way delay: 54.346 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 228.81 Mbit/s
95th percentile per-packet one-way delay: 54.346 ms
Loss rate: 0.34%

Run 5: Report of Indigo — Data Link

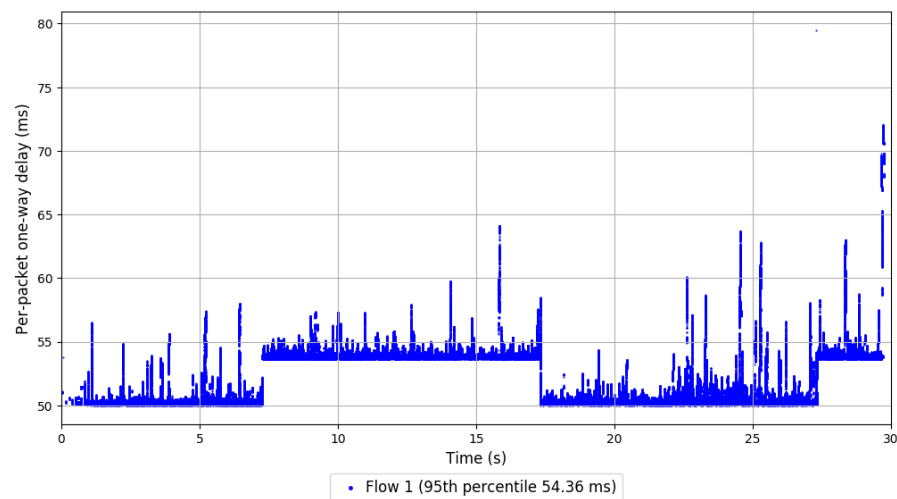
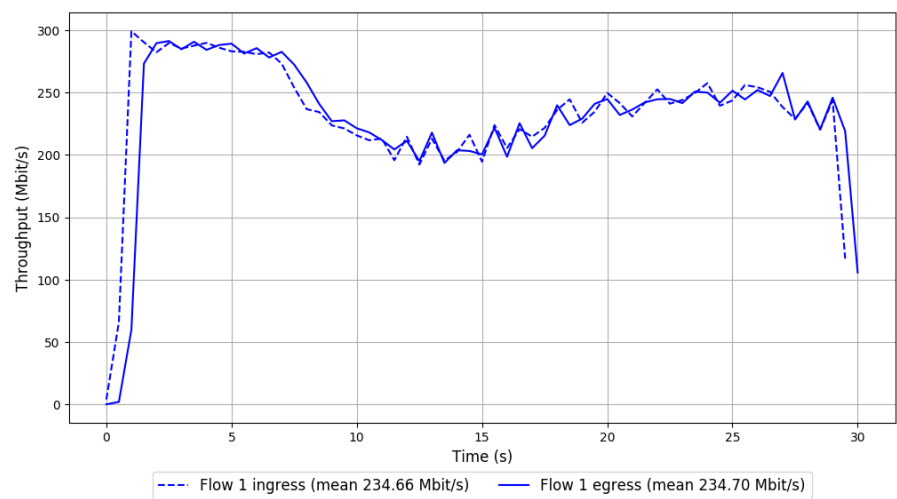


Run 6: Statistics of Indigo

Start at: 2018-07-20 16:31:26
End at: 2018-07-20 16:31:56
Local clock offset: -0.125 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 54.364 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 54.364 ms
Loss rate: 0.33%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-20 16:53:26

End at: 2018-07-20 16:53:56

Local clock offset: 0.013 ms

Remote clock offset: 0.987 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.40 Mbit/s

95th percentile per-packet one-way delay: 53.030 ms

Loss rate: 0.32%

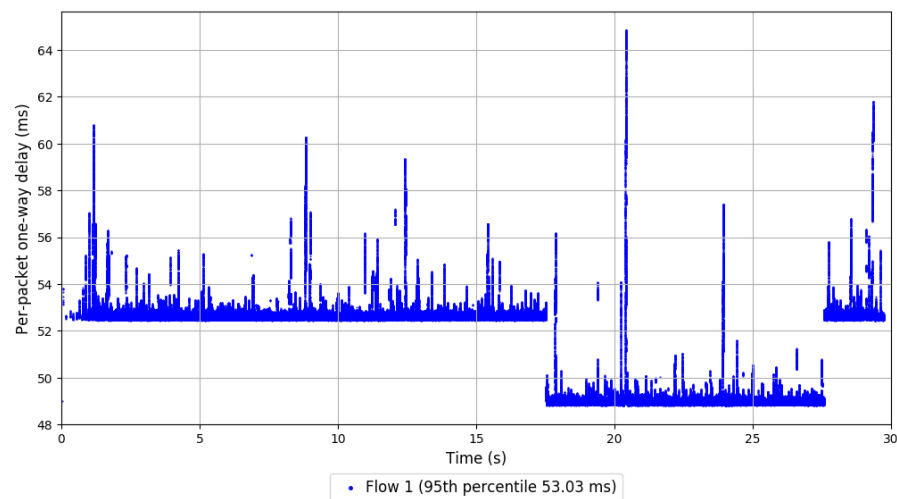
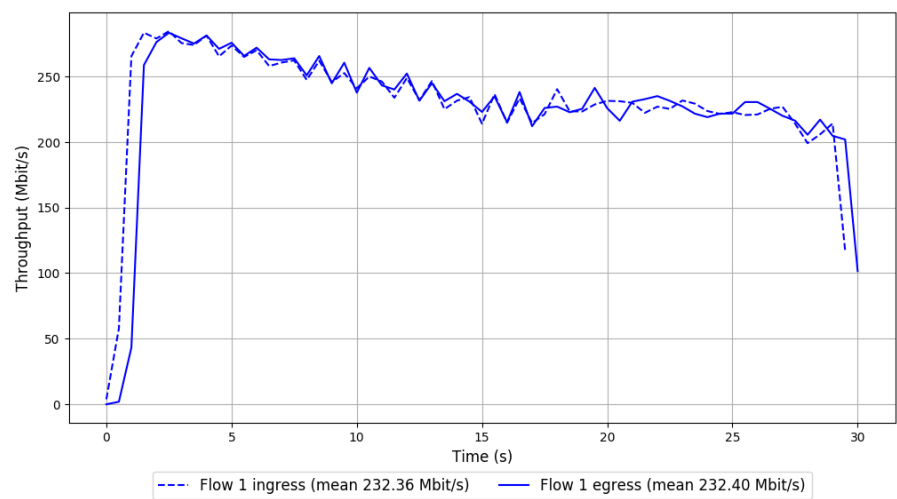
-- Flow 1:

Average throughput: 232.40 Mbit/s

95th percentile per-packet one-way delay: 53.030 ms

Loss rate: 0.32%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-20 17:15:24

End at: 2018-07-20 17:15:54

Local clock offset: -0.123 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.91 Mbit/s

95th percentile per-packet one-way delay: 53.938 ms

Loss rate: 0.35%

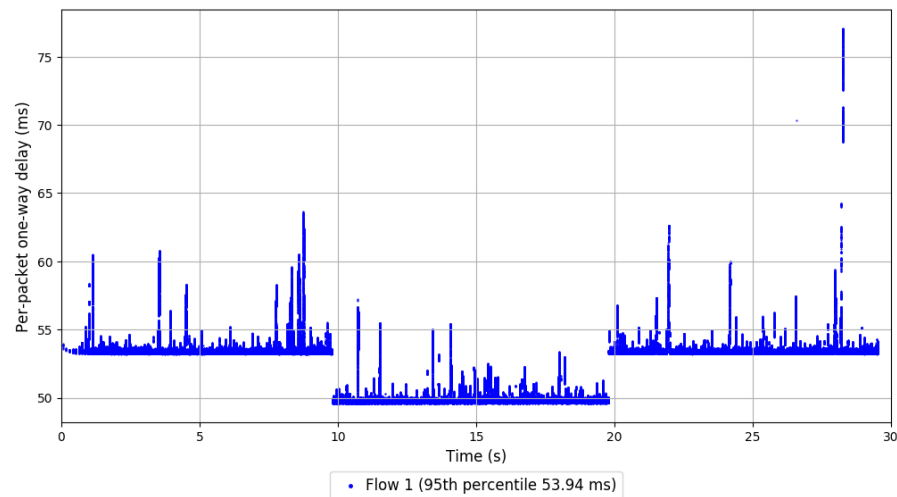
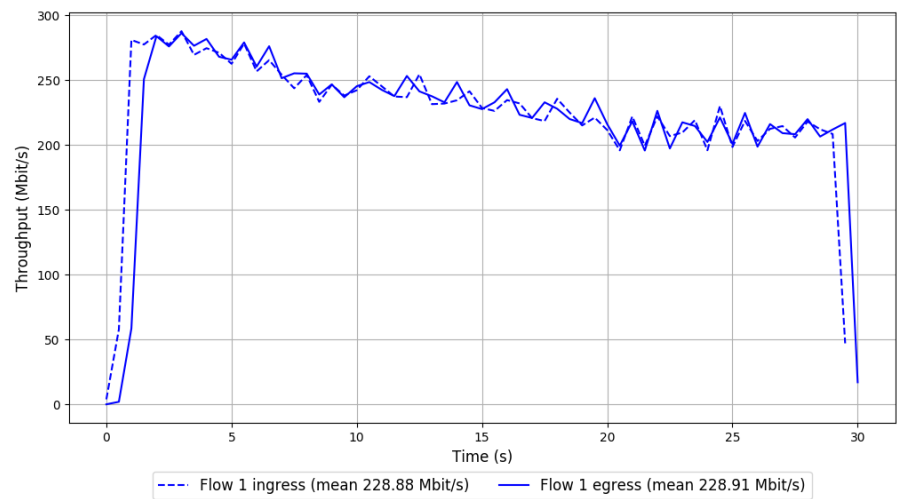
-- Flow 1:

Average throughput: 228.91 Mbit/s

95th percentile per-packet one-way delay: 53.938 ms

Loss rate: 0.35%

Run 8: Report of Indigo — Data Link

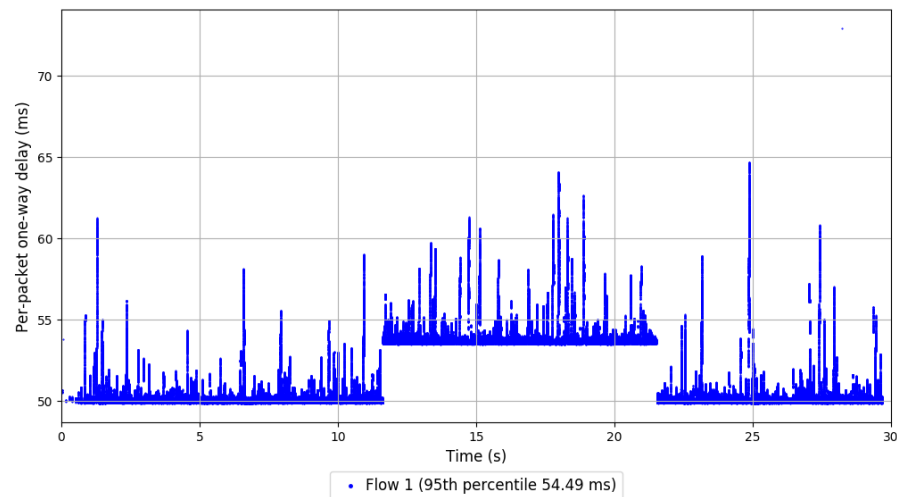
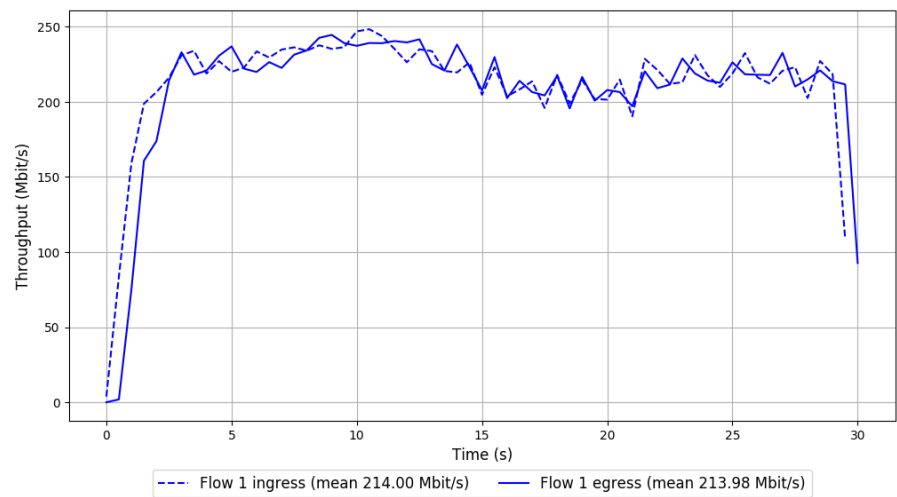


Run 9: Statistics of Indigo

Start at: 2018-07-20 17:37:42
End at: 2018-07-20 17:38:12
Local clock offset: -0.083 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.98 Mbit/s
95th percentile per-packet one-way delay: 54.489 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 213.98 Mbit/s
95th percentile per-packet one-way delay: 54.489 ms
Loss rate: 0.36%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-20 18:00:00

End at: 2018-07-20 18:00:30

Local clock offset: 0.193 ms

Remote clock offset: 1.348 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.53 Mbit/s

95th percentile per-packet one-way delay: 53.585 ms

Loss rate: 0.34%

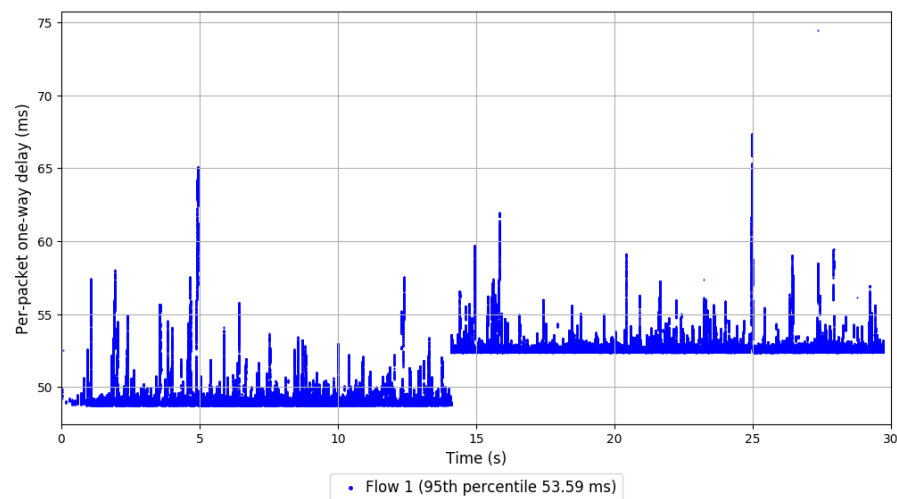
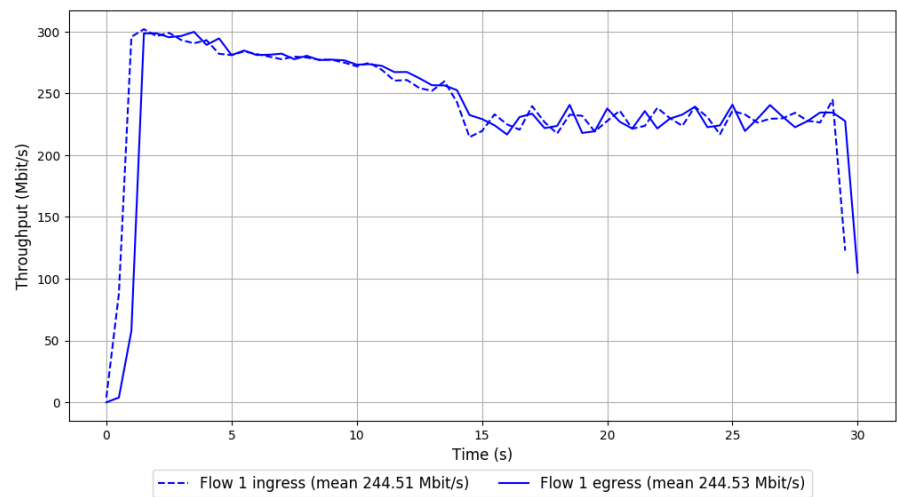
-- Flow 1:

Average throughput: 244.53 Mbit/s

95th percentile per-packet one-way delay: 53.585 ms

Loss rate: 0.34%

Run 10: Report of Indigo — Data Link

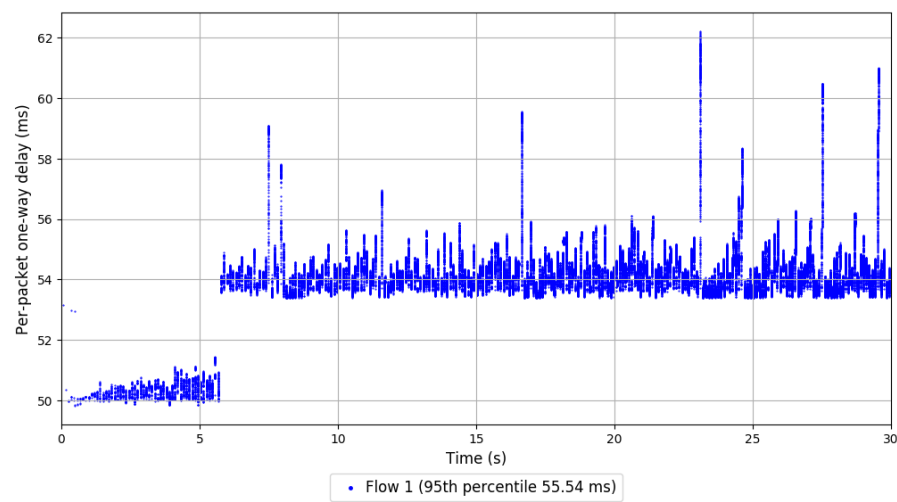
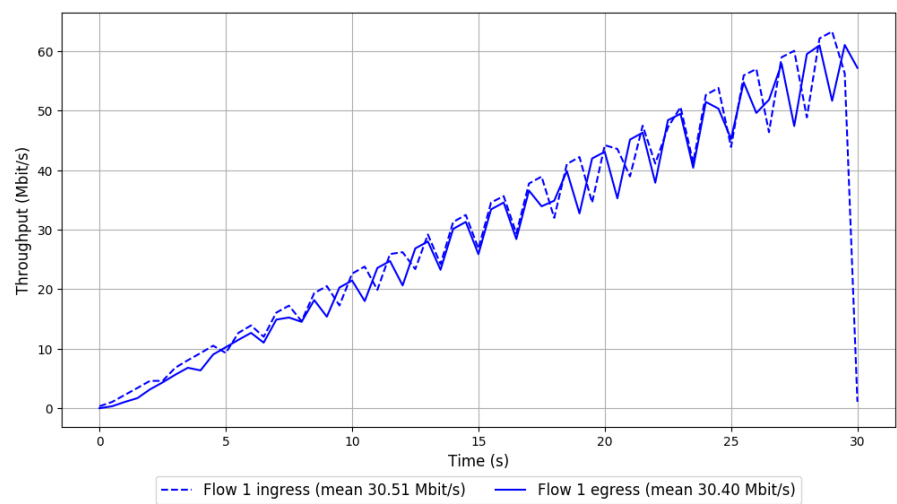


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-20 14:33:18
End at: 2018-07-20 14:33:48
Local clock offset: -0.113 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-07-20 19:18:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 55.539 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 55.539 ms
Loss rate: 0.70%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-20 14:54:46

End at: 2018-07-20 14:55:16

Local clock offset: -0.055 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 55.410 ms

Loss rate: 0.70%

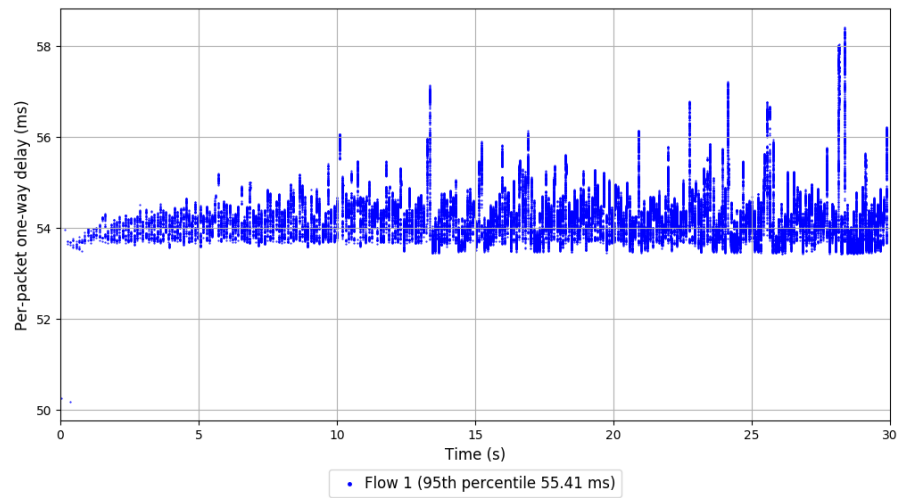
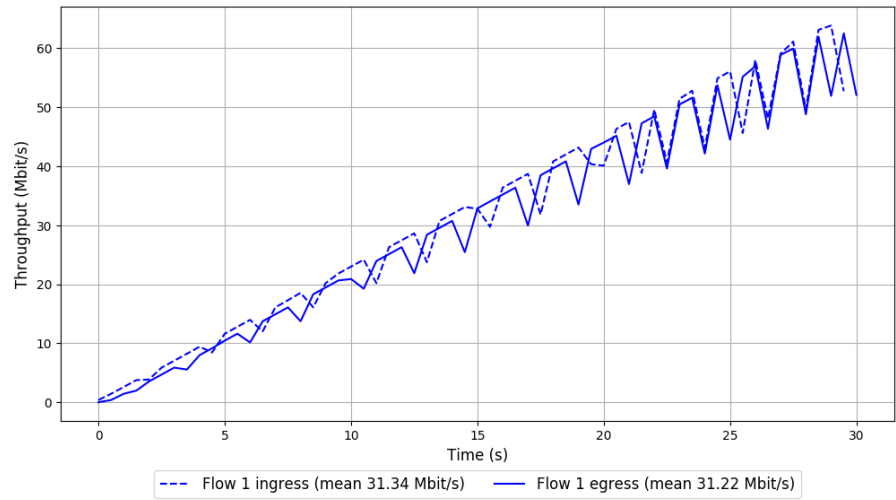
-- Flow 1:

Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 55.410 ms

Loss rate: 0.70%

Run 2: Report of LEDBAT — Data Link

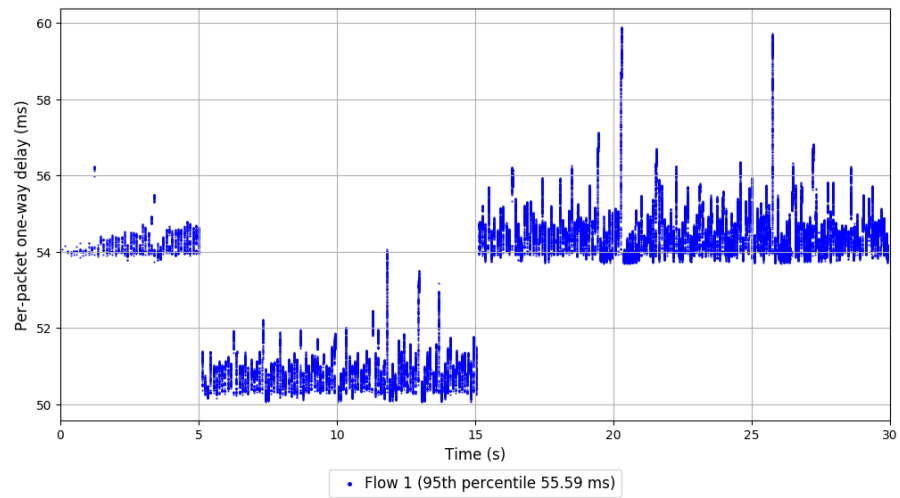
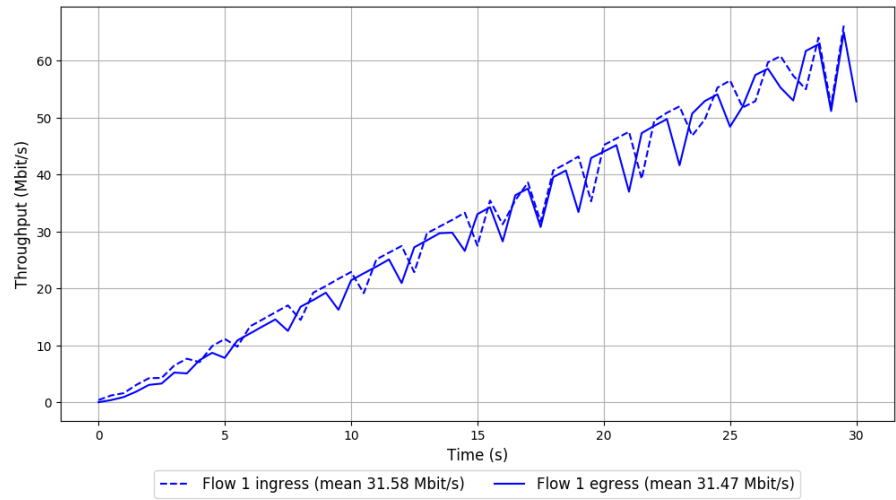


Run 3: Statistics of LEDBAT

Start at: 2018-07-20 15:16:29
End at: 2018-07-20 15:16:59
Local clock offset: 0.026 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 55.590 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 55.590 ms
Loss rate: 0.70%

Run 3: Report of LEDBAT — Data Link

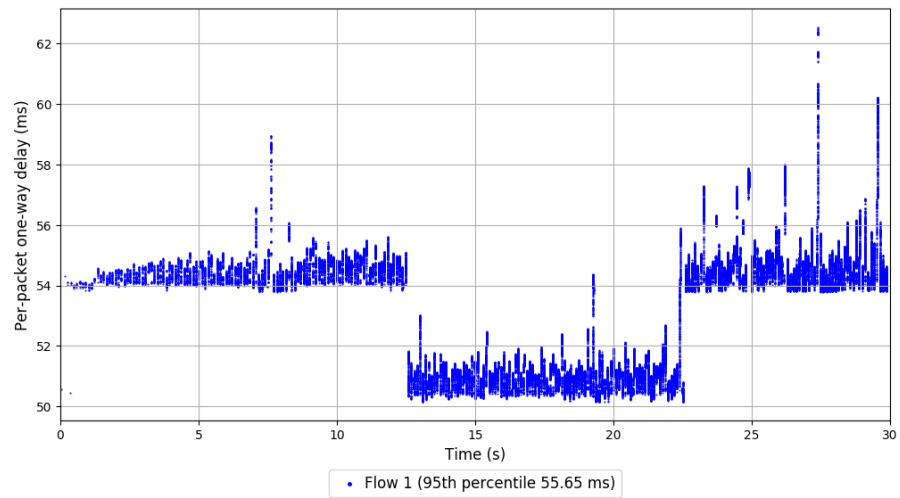
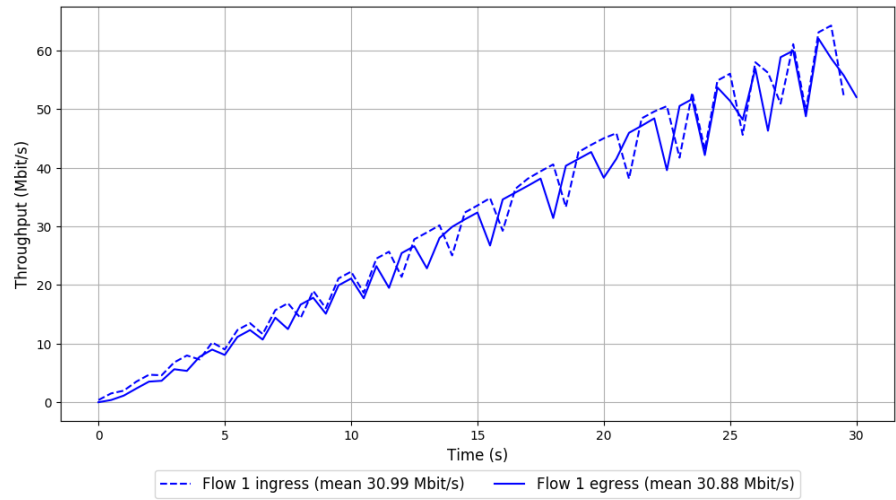


Run 4: Statistics of LEDBAT

Start at: 2018-07-20 15:38:31
End at: 2018-07-20 15:39:01
Local clock offset: -0.095 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 55.651 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 55.651 ms
Loss rate: 0.71%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-20 16:00:41

End at: 2018-07-20 16:01:11

Local clock offset: -0.035 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.18 Mbit/s

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

Loss rate: 0.71%

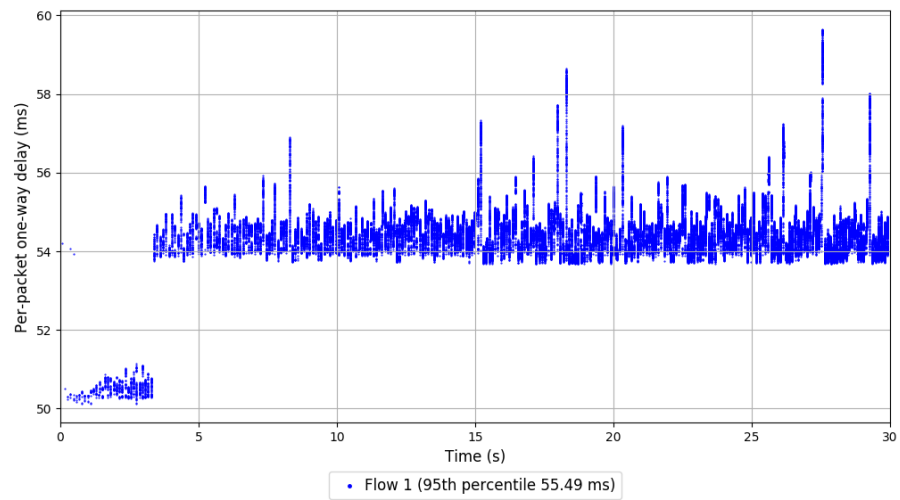
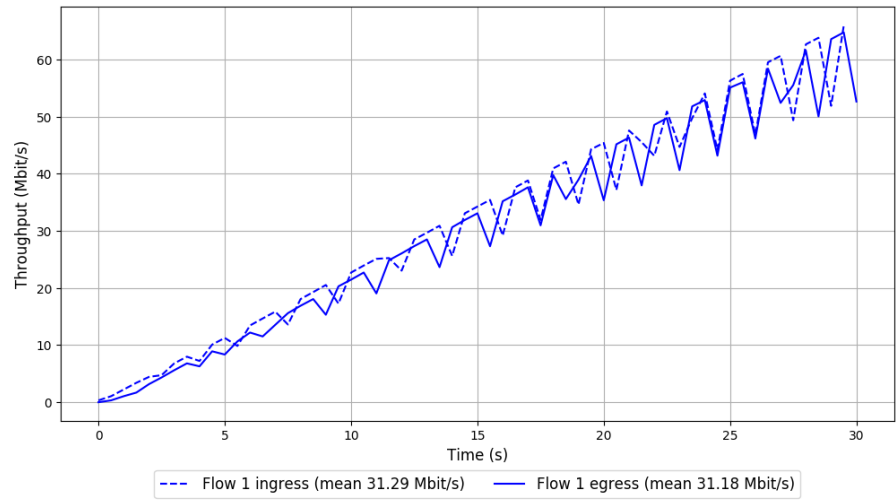
-- Flow 1:

Average throughput: 31.18 Mbit/s

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

Loss rate: 0.71%

Run 5: Report of LEDBAT — Data Link

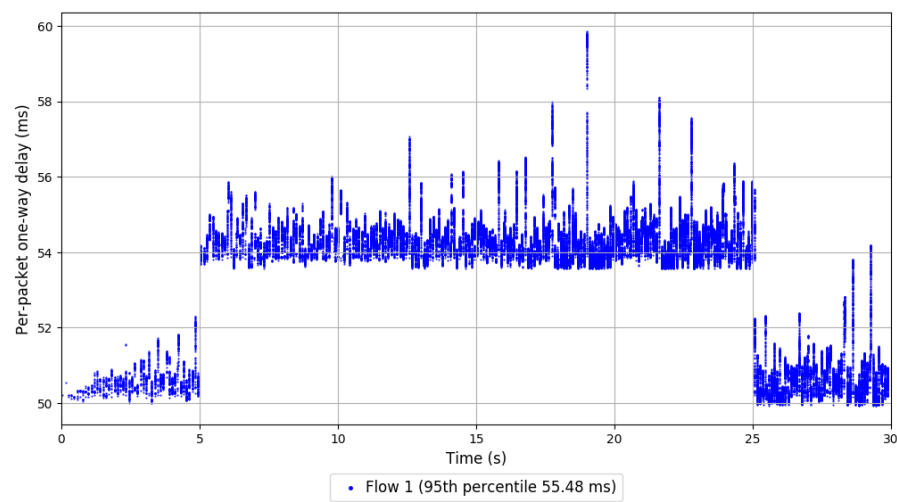
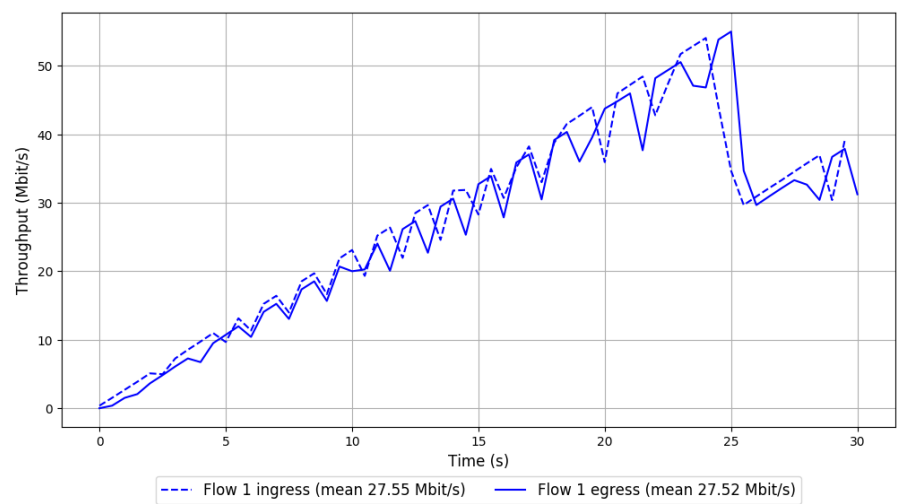


Run 6: Statistics of LEDBAT

Start at: 2018-07-20 16:22:29
End at: 2018-07-20 16:22:59
Local clock offset: -0.152 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 55.476 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 55.476 ms
Loss rate: 0.48%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-20 16:44:35

End at: 2018-07-20 16:45:05

Local clock offset: 0.045 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 57.026 ms

Loss rate: 0.71%

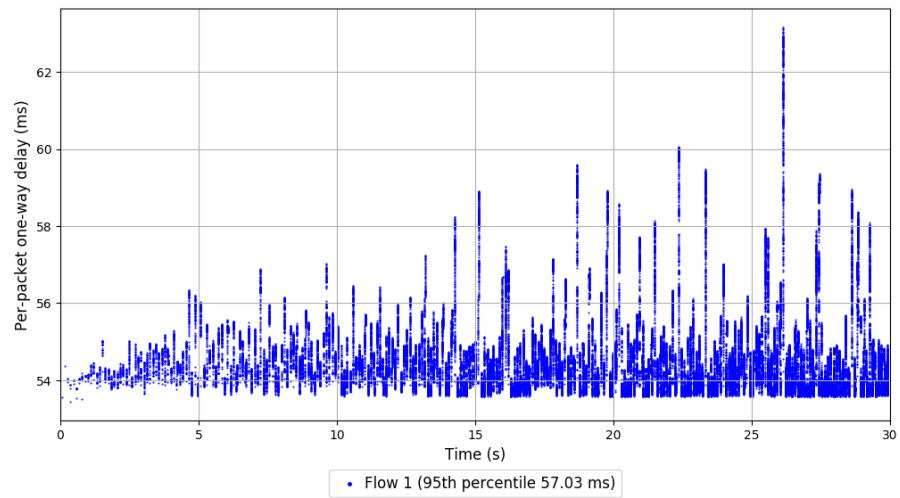
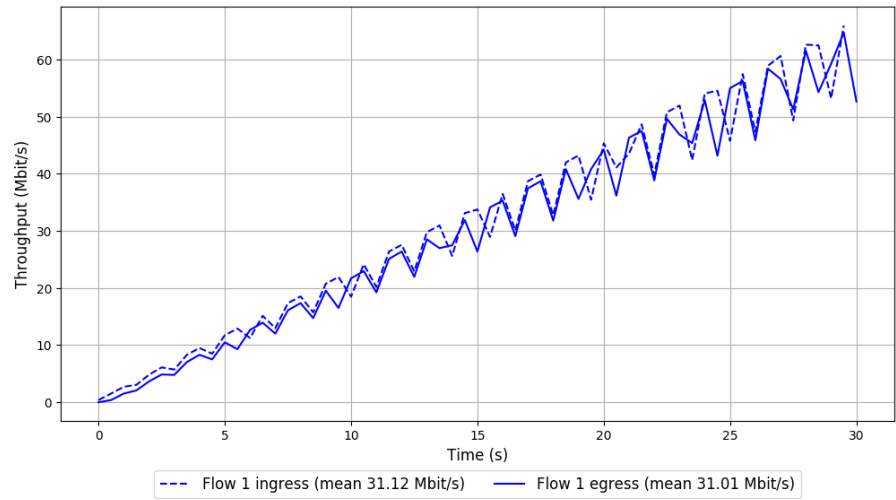
-- Flow 1:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 57.026 ms

Loss rate: 0.71%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-20 17:06:28

End at: 2018-07-20 17:06:58

Local clock offset: 0.084 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 55.547 ms

Loss rate: 0.71%

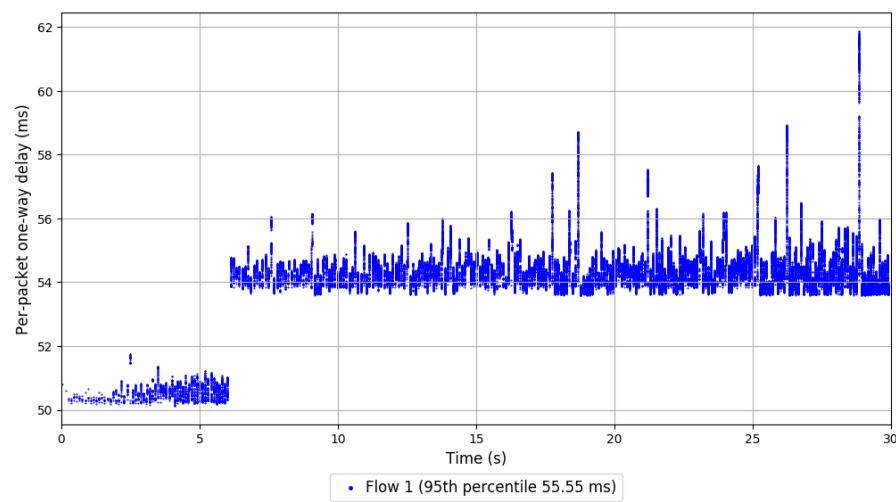
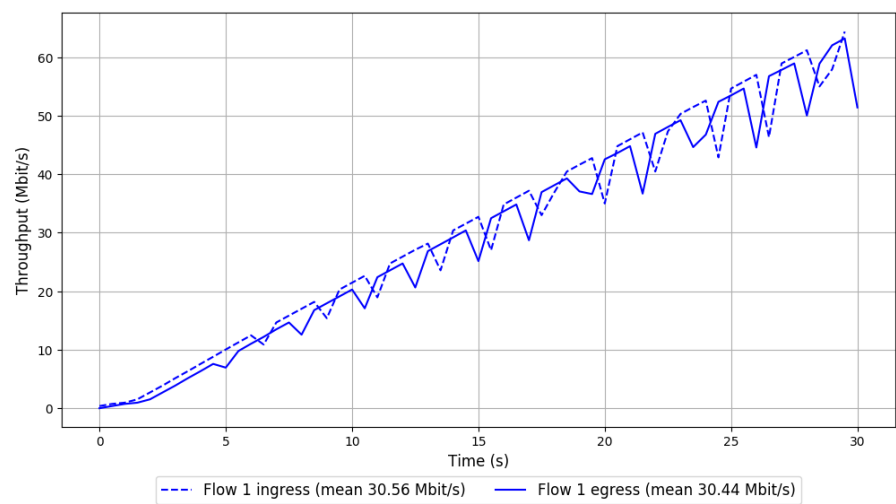
-- Flow 1:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 55.547 ms

Loss rate: 0.71%

Run 8: Report of LEDBAT — Data Link

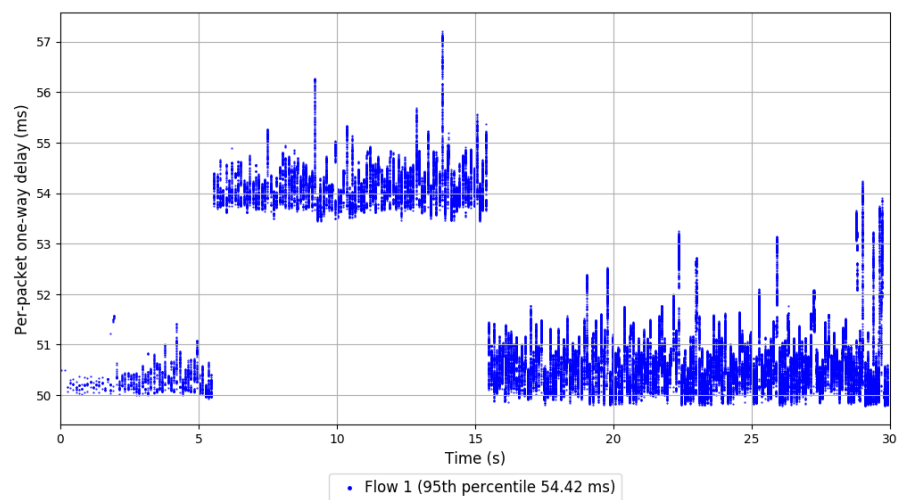
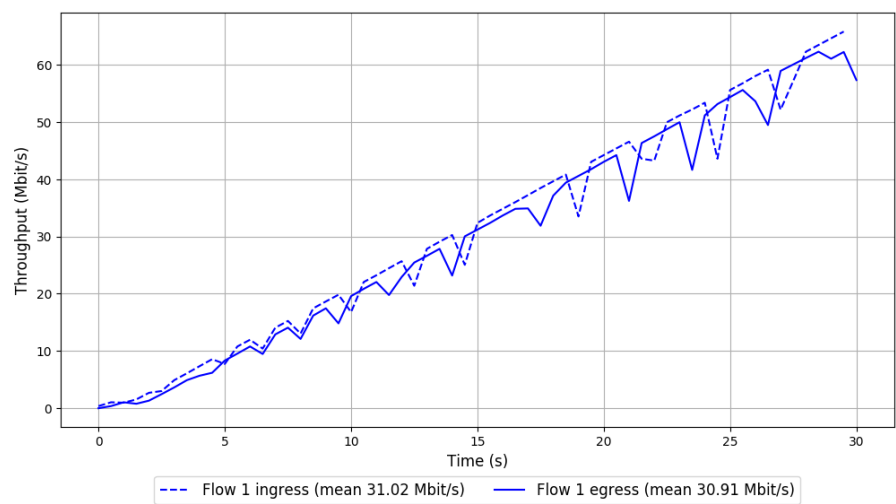


Run 9: Statistics of LEDBAT

Start at: 2018-07-20 17:28:29
End at: 2018-07-20 17:28:59
Local clock offset: -0.2 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-20 19:18:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 54.419 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 54.419 ms
Loss rate: 0.71%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-20 17:50:57

End at: 2018-07-20 17:51:27

Local clock offset: -0.09 ms

Remote clock offset: 1.193 ms

Below is generated by plot.py at 2018-07-20 19:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 54.275 ms

Loss rate: 0.69%

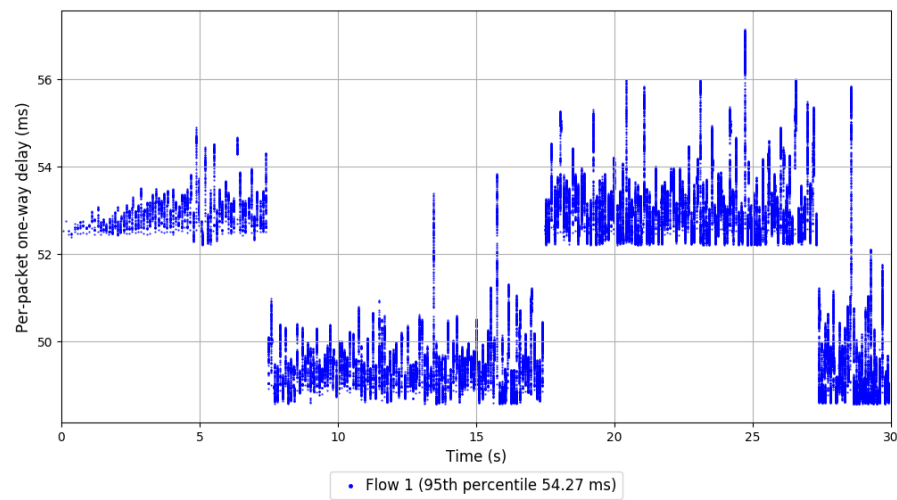
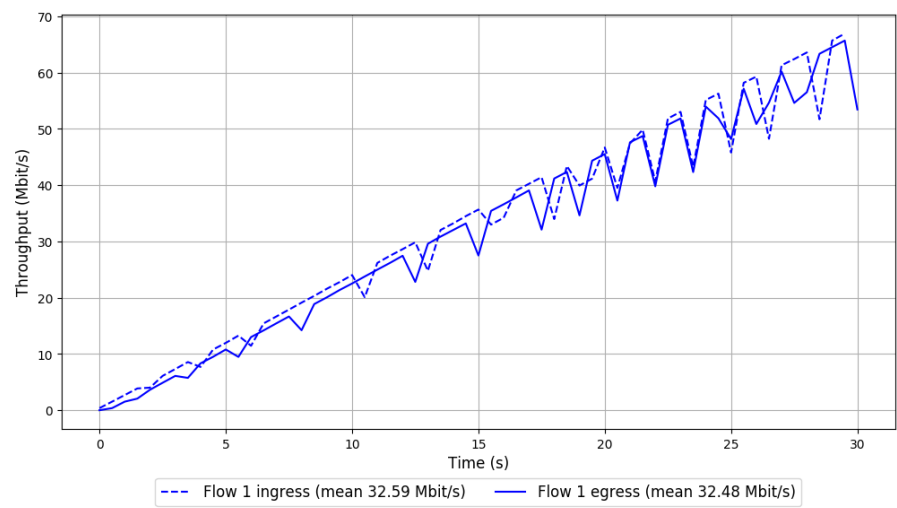
-- Flow 1:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 54.275 ms

Loss rate: 0.69%

Run 10: Report of LEDBAT — Data Link

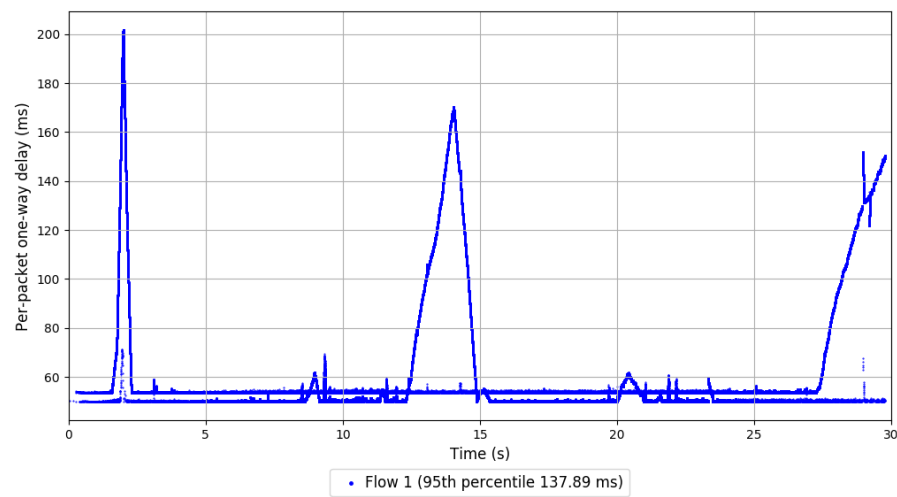
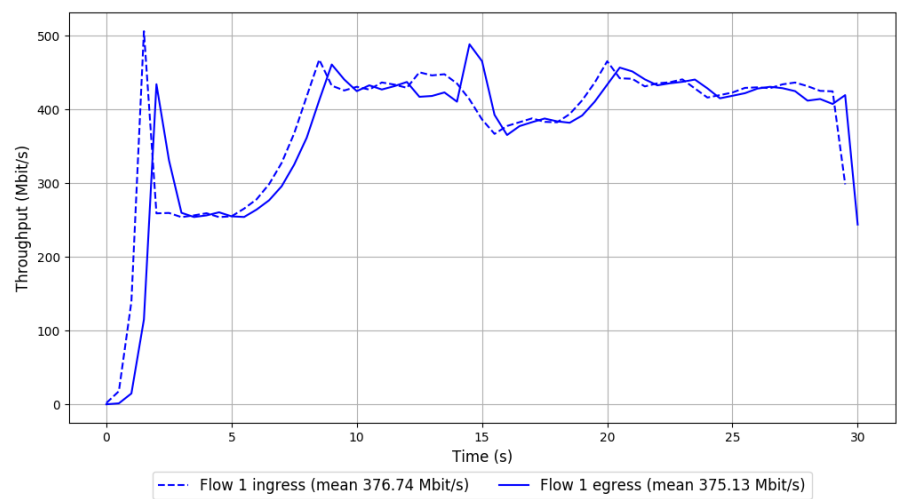


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-20 14:40:59
End at: 2018-07-20 14:41:29
Local clock offset: -0.188 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 19:23:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.13 Mbit/s
95th percentile per-packet one-way delay: 137.886 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 375.13 Mbit/s
95th percentile per-packet one-way delay: 137.886 ms
Loss rate: 0.78%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-20 15:02:25

End at: 2018-07-20 15:02:55

Local clock offset: -0.157 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-07-20 19:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 396.95 Mbit/s

95th percentile per-packet one-way delay: 113.348 ms

Loss rate: 0.40%

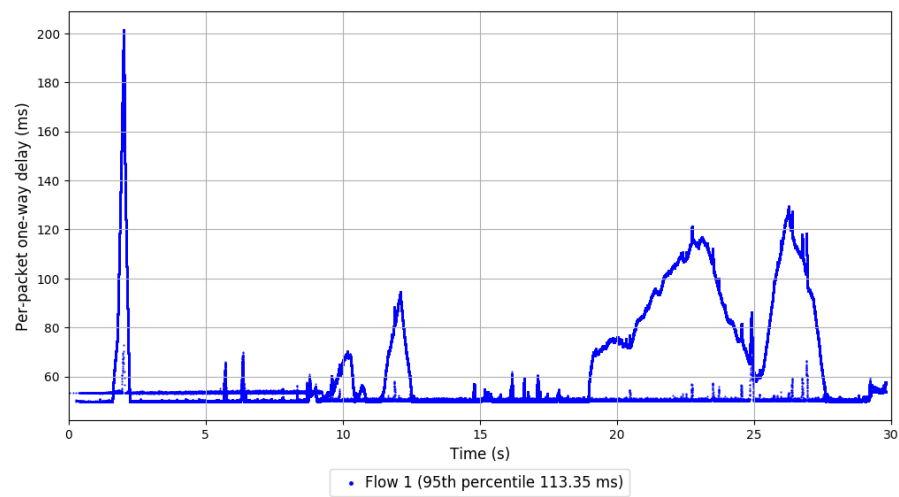
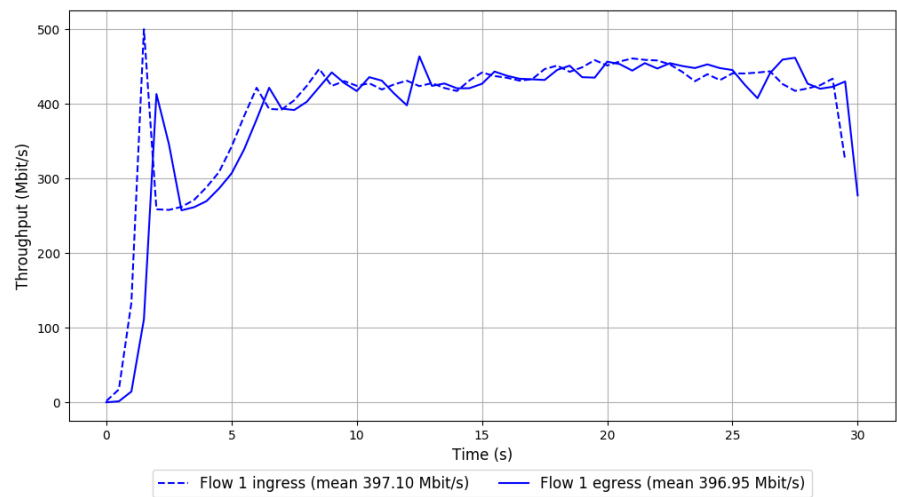
-- Flow 1:

Average throughput: 396.95 Mbit/s

95th percentile per-packet one-way delay: 113.348 ms

Loss rate: 0.40%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-20 15:24:12

End at: 2018-07-20 15:24:42

Local clock offset: 0.025 ms

Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-20 19:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 385.35 Mbit/s

95th percentile per-packet one-way delay: 203.413 ms

Loss rate: 0.99%

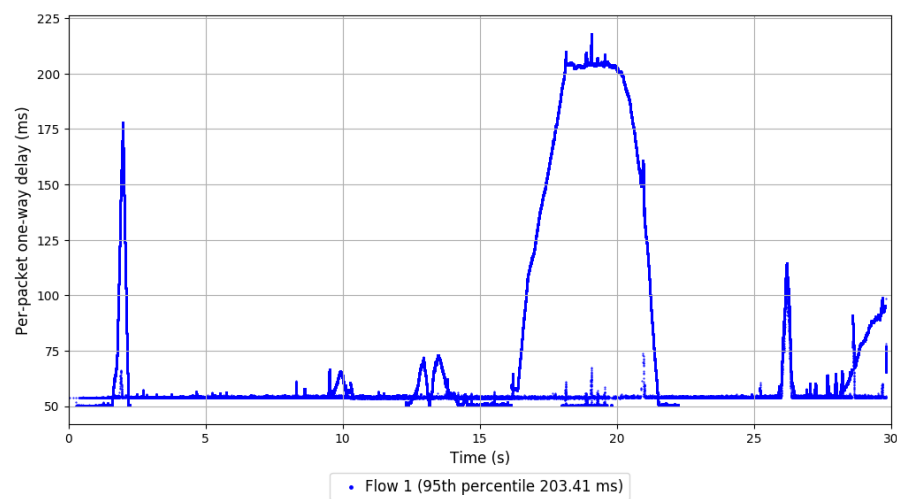
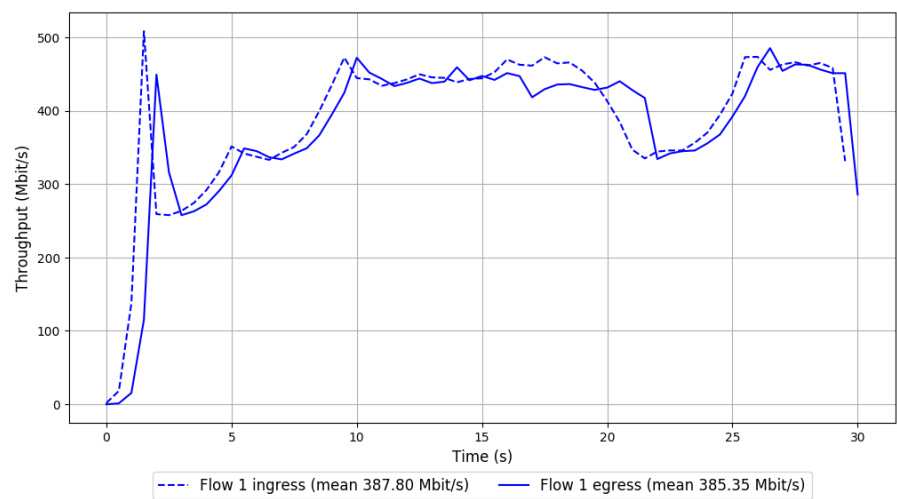
-- Flow 1:

Average throughput: 385.35 Mbit/s

95th percentile per-packet one-way delay: 203.413 ms

Loss rate: 0.99%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-20 15:46:27

End at: 2018-07-20 15:46:57

Local clock offset: -0.17 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-20 19:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.38 Mbit/s

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

Loss rate: 0.46%

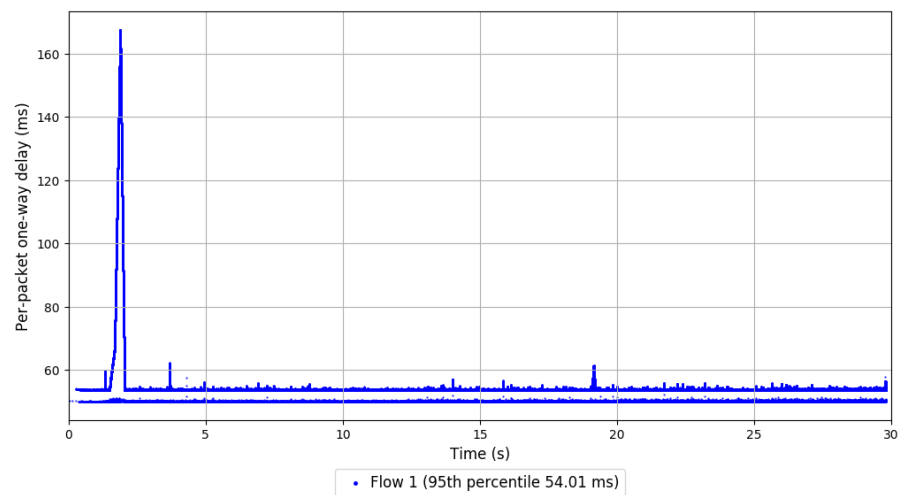
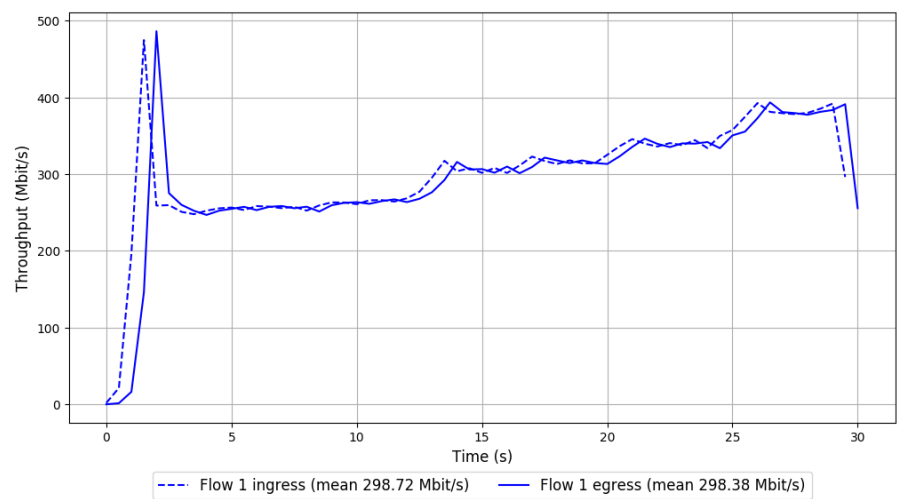
-- Flow 1:

Average throughput: 298.38 Mbit/s

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

Loss rate: 0.46%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-20 16:08:14

End at: 2018-07-20 16:08:44

Local clock offset: -0.261 ms

Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-07-20 19:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.01 Mbit/s

95th percentile per-packet one-way delay: 54.058 ms

Loss rate: 0.44%

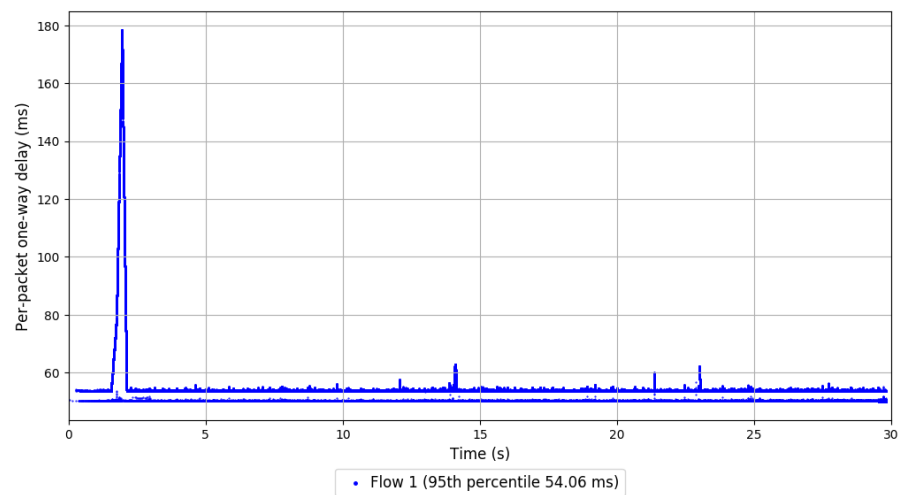
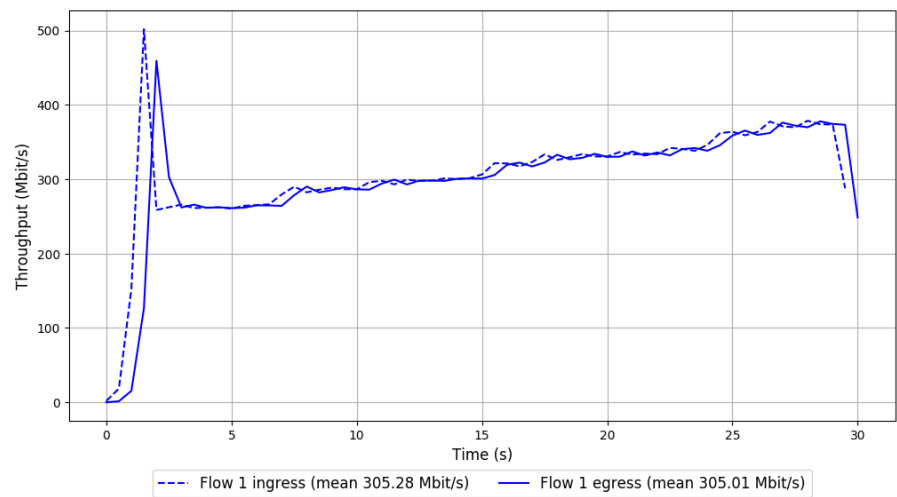
-- Flow 1:

Average throughput: 305.01 Mbit/s

95th percentile per-packet one-way delay: 54.058 ms

Loss rate: 0.44%

Run 5: Report of PCC-Allegro — Data Link

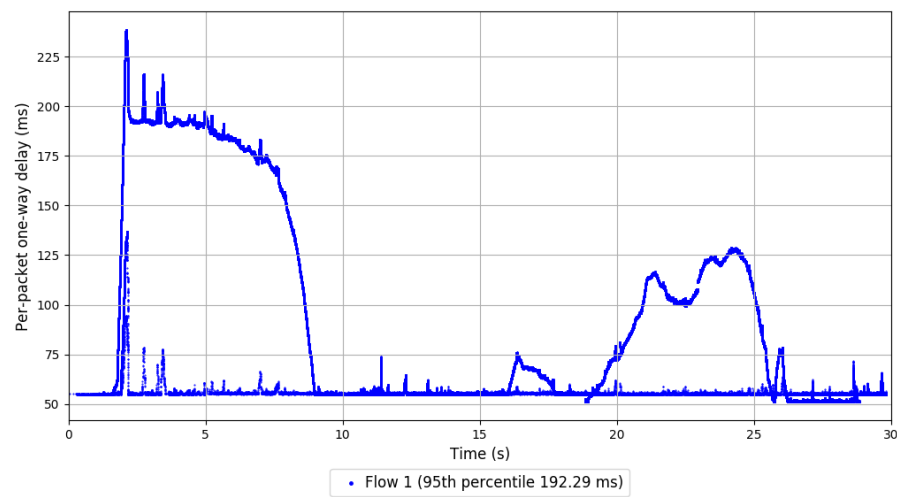
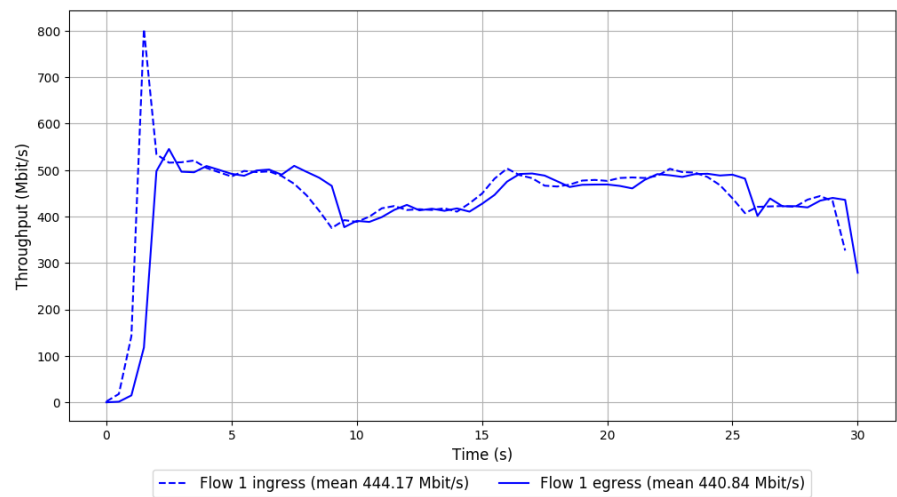


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-20 16:30:05
End at: 2018-07-20 16:30:35
Local clock offset: -0.183 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-07-20 19:25:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 440.84 Mbit/s
95th percentile per-packet one-way delay: 192.295 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 440.84 Mbit/s
95th percentile per-packet one-way delay: 192.295 ms
Loss rate: 1.11%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-20 16:52:05

End at: 2018-07-20 16:52:35

Local clock offset: 0.096 ms

Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-07-20 19:26:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 446.23 Mbit/s

95th percentile per-packet one-way delay: 197.470 ms

Loss rate: 1.75%

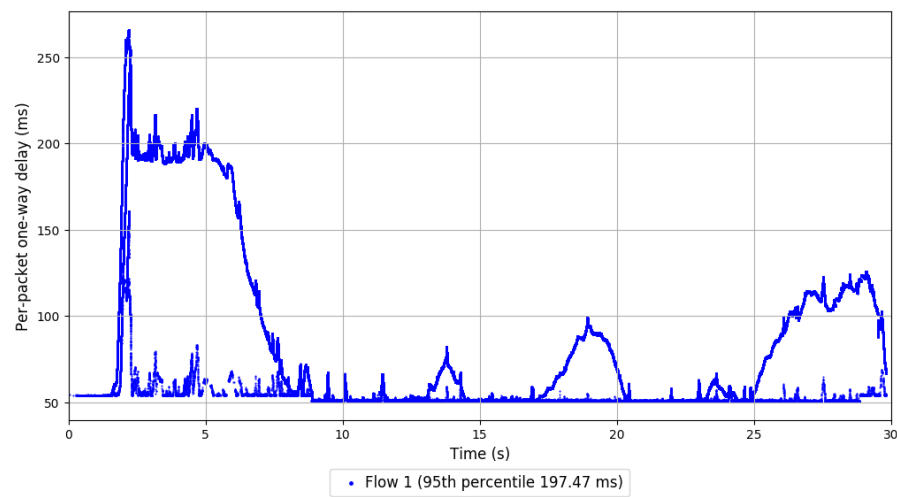
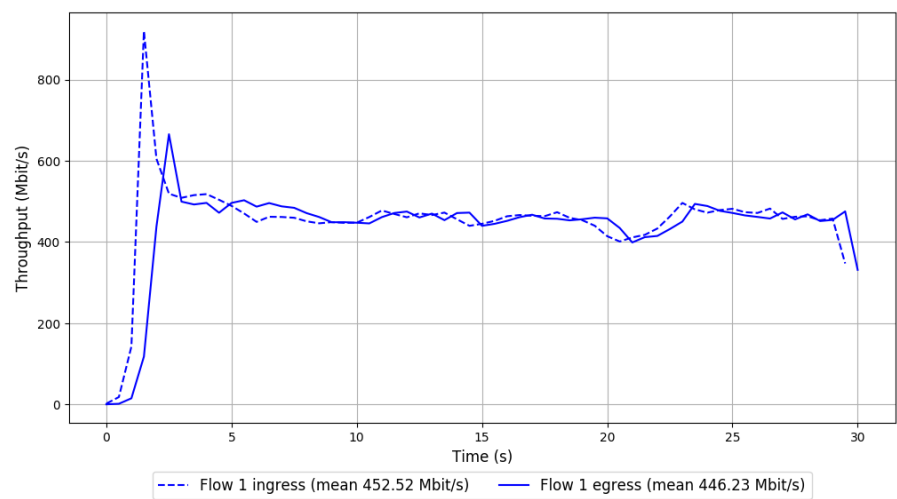
-- Flow 1:

Average throughput: 446.23 Mbit/s

95th percentile per-packet one-way delay: 197.470 ms

Loss rate: 1.75%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-20 17:14:05

End at: 2018-07-20 17:14:35

Local clock offset: 0.111 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-20 19:26:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.59 Mbit/s

95th percentile per-packet one-way delay: 118.254 ms

Loss rate: 1.47%

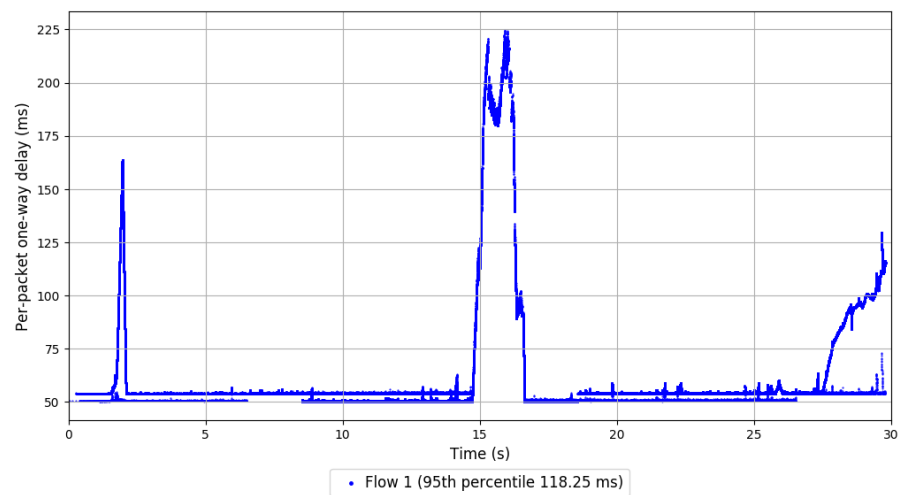
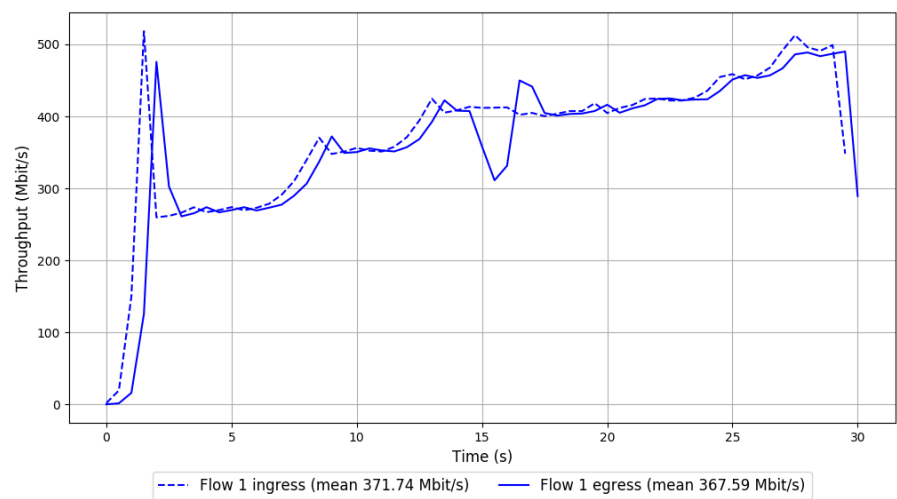
-- Flow 1:

Average throughput: 367.59 Mbit/s

95th percentile per-packet one-way delay: 118.254 ms

Loss rate: 1.47%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-20 17:36:24

End at: 2018-07-20 17:36:55

Local clock offset: -0.134 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-20 19:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.71 Mbit/s

95th percentile per-packet one-way delay: 55.322 ms

Loss rate: 0.42%

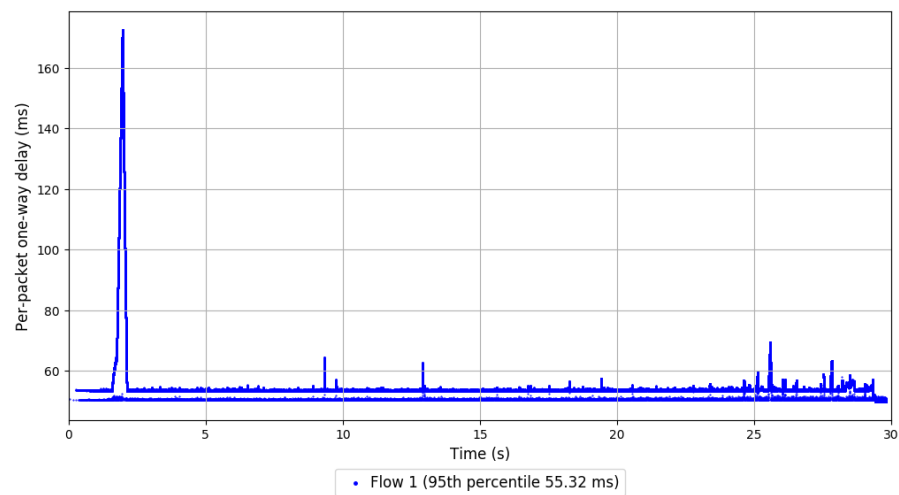
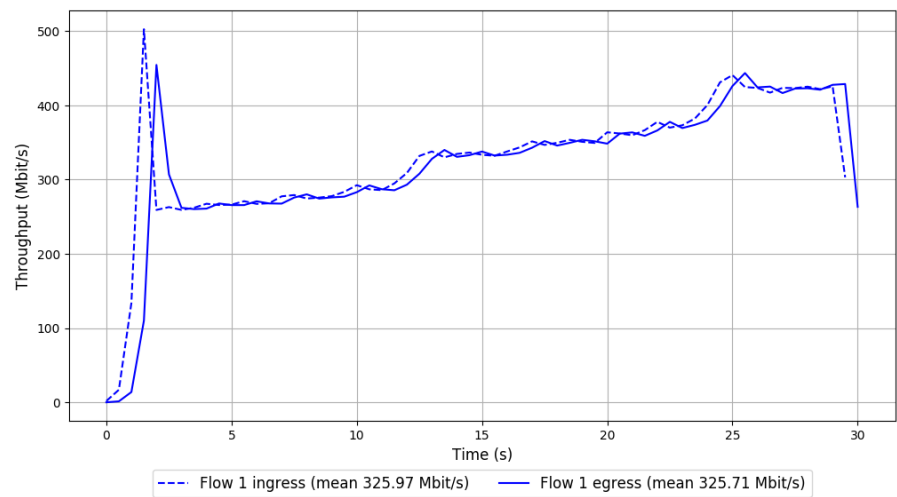
-- Flow 1:

Average throughput: 325.71 Mbit/s

95th percentile per-packet one-way delay: 55.322 ms

Loss rate: 0.42%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-20 17:58:38

End at: 2018-07-20 17:59:08

Local clock offset: -0.107 ms

Remote clock offset: 1.216 ms

Below is generated by plot.py at 2018-07-20 19:30:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 450.47 Mbit/s

95th percentile per-packet one-way delay: 182.277 ms

Loss rate: 0.49%

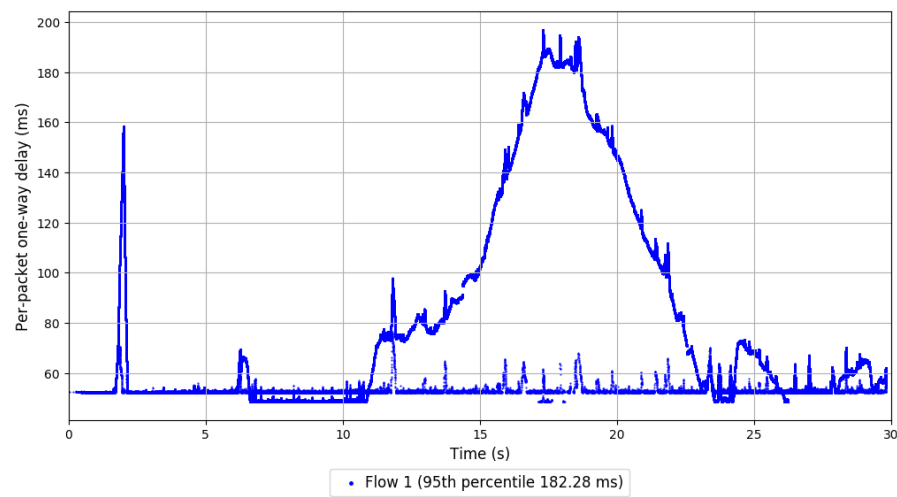
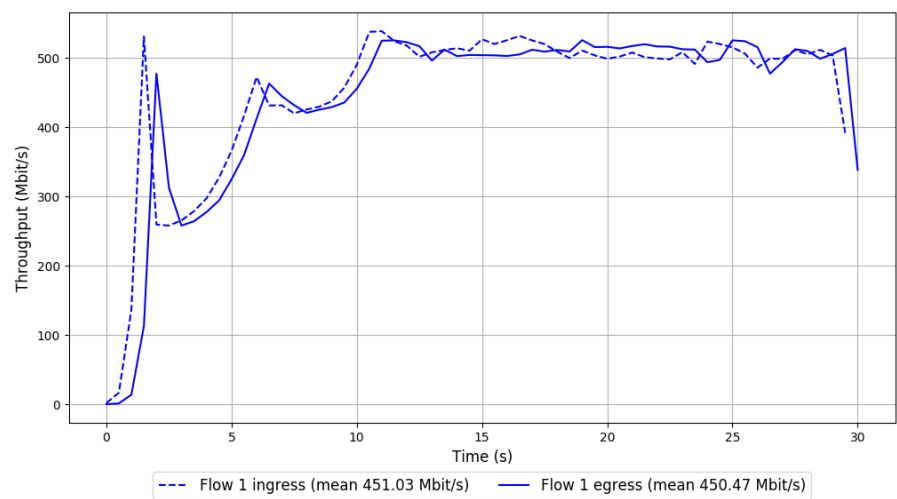
-- Flow 1:

Average throughput: 450.47 Mbit/s

95th percentile per-packet one-way delay: 182.277 ms

Loss rate: 0.49%

Run 10: Report of PCC-Allegro — Data Link

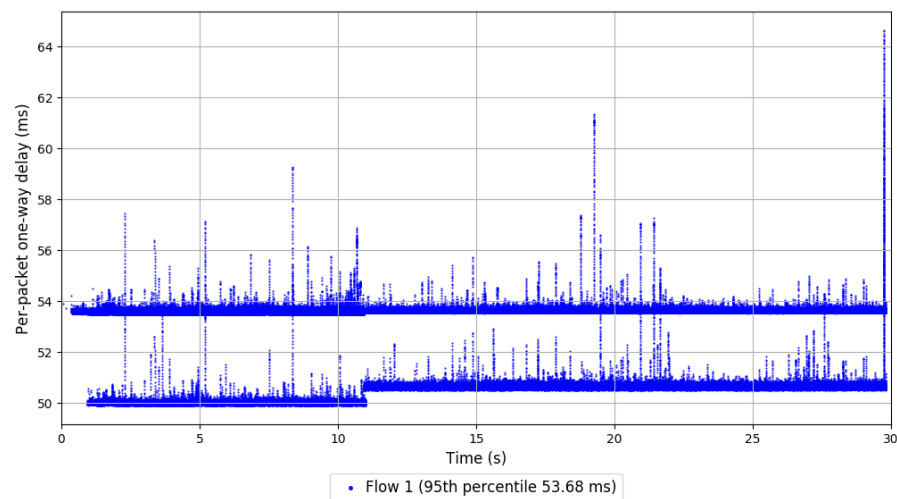
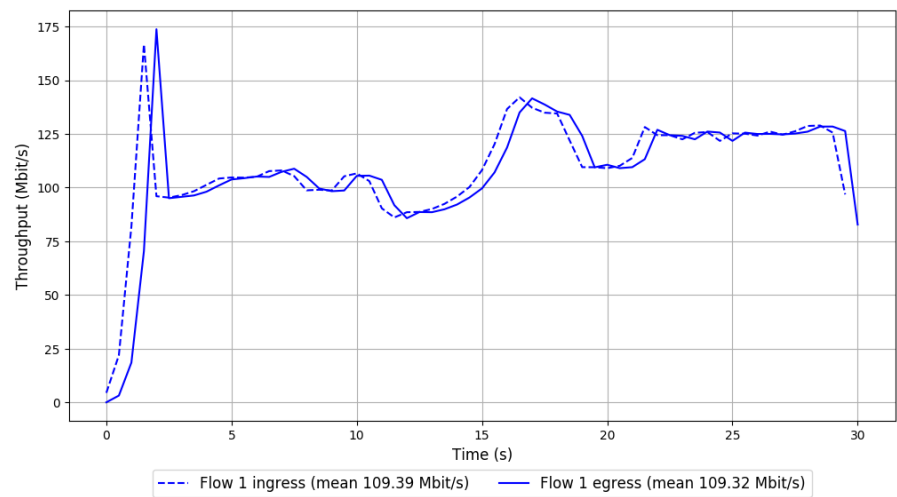


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-20 14:32:03
End at: 2018-07-20 14:32:33
Local clock offset: 0.085 ms
Remote clock offset: 0.088 ms

# Below is generated by plot.py at 2018-07-20 19:30:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.32 Mbit/s
95th percentile per-packet one-way delay: 53.680 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 109.32 Mbit/s
95th percentile per-packet one-way delay: 53.680 ms
Loss rate: 0.42%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-20 14:53:32

End at: 2018-07-20 14:54:02

Local clock offset: -0.148 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-07-20 19:30:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.48 Mbit/s

95th percentile per-packet one-way delay: 53.456 ms

Loss rate: 0.36%

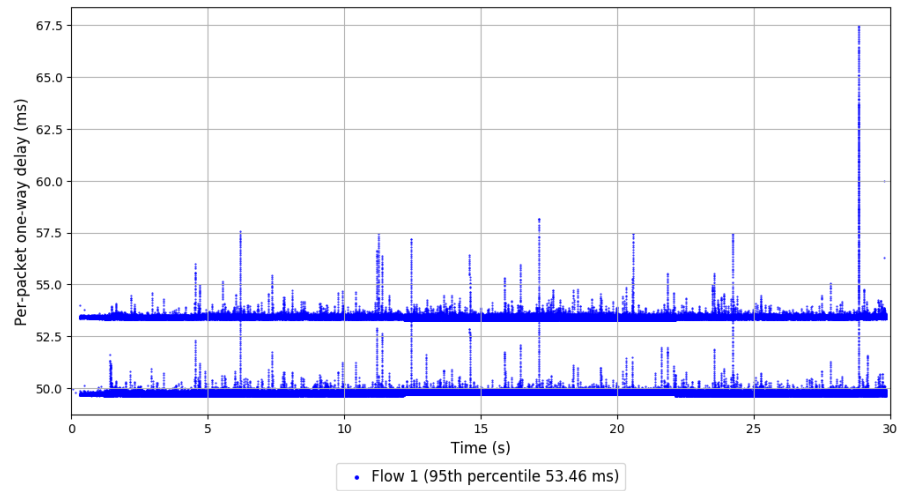
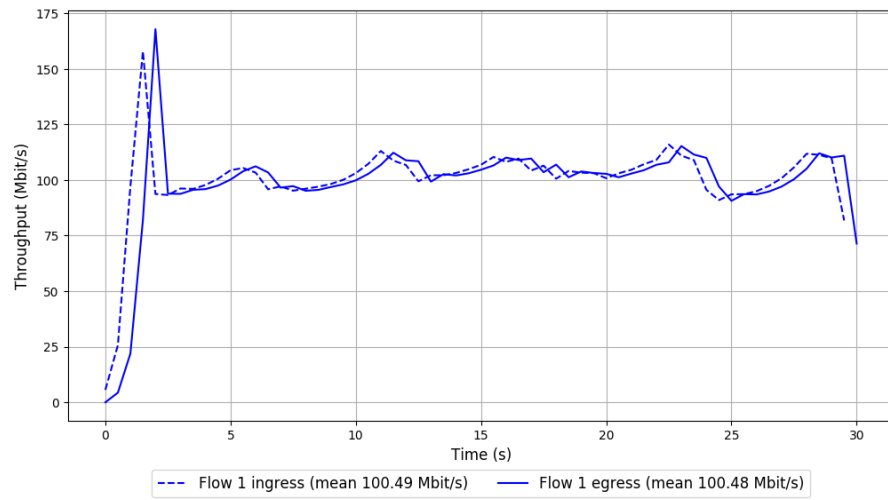
-- Flow 1:

Average throughput: 100.48 Mbit/s

95th percentile per-packet one-way delay: 53.456 ms

Loss rate: 0.36%

Run 2: Report of PCC-Expr — Data Link

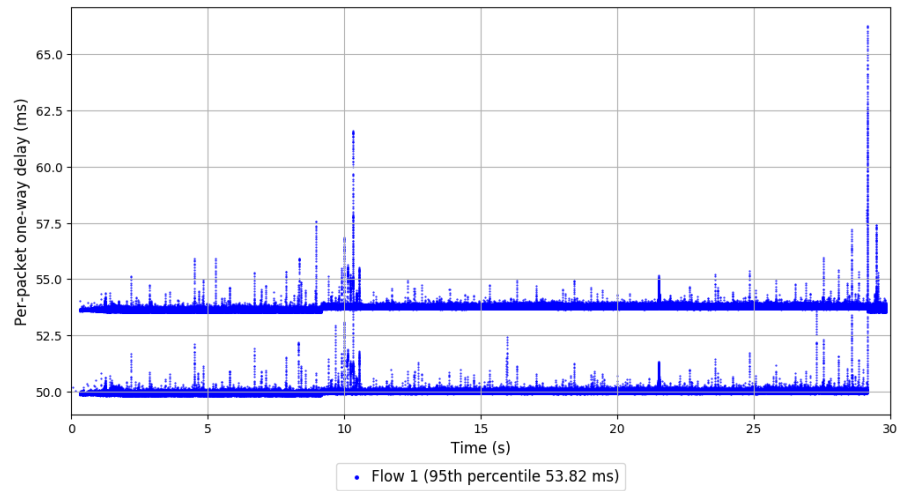
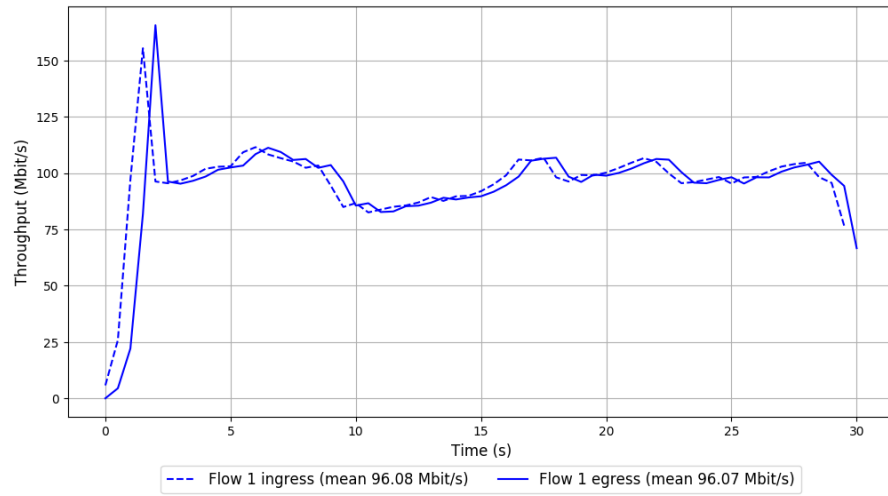


Run 3: Statistics of PCC-Expr

Start at: 2018-07-20 15:15:15
End at: 2018-07-20 15:15:45
Local clock offset: -0.092 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-20 19:30:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 53.821 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 53.821 ms
Loss rate: 0.36%

Run 3: Report of PCC-Expr — Data Link

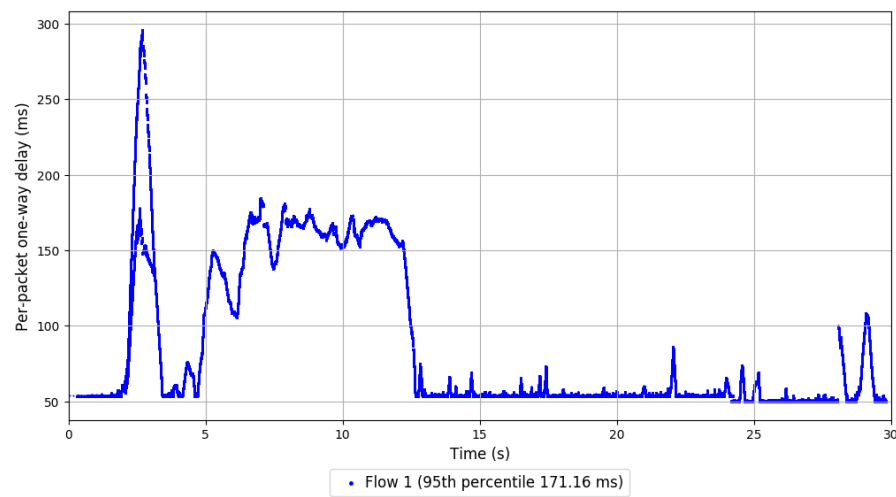
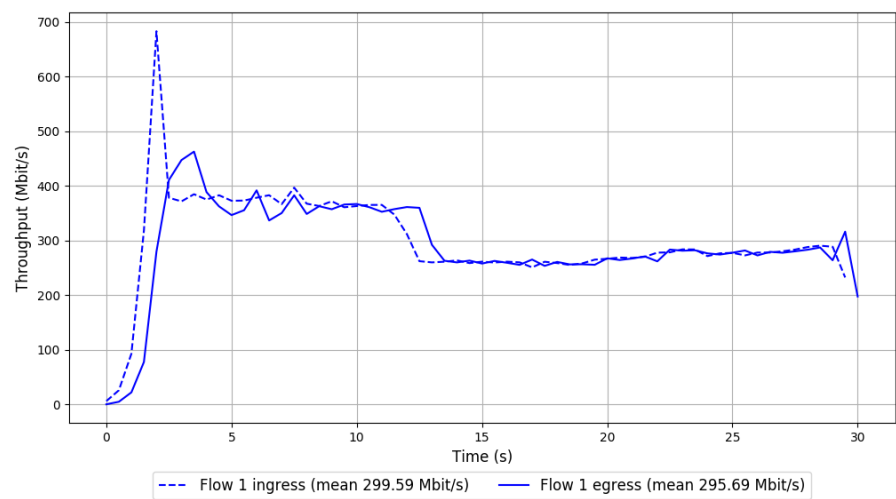


Run 4: Statistics of PCC-Expr

Start at: 2018-07-20 15:37:00
End at: 2018-07-20 15:37:30
Local clock offset: -0.301 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-20 19:36:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.69 Mbit/s
95th percentile per-packet one-way delay: 171.162 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 295.69 Mbit/s
95th percentile per-packet one-way delay: 171.162 ms
Loss rate: 1.65%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-20 15:59:10

End at: 2018-07-20 15:59:40

Local clock offset: -0.069 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-20 19:36:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.71 Mbit/s

95th percentile per-packet one-way delay: 133.645 ms

Loss rate: 0.57%

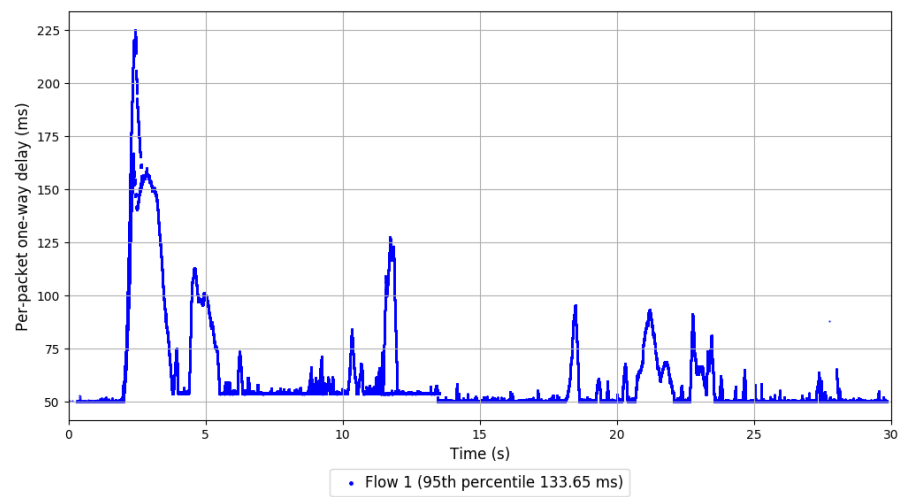
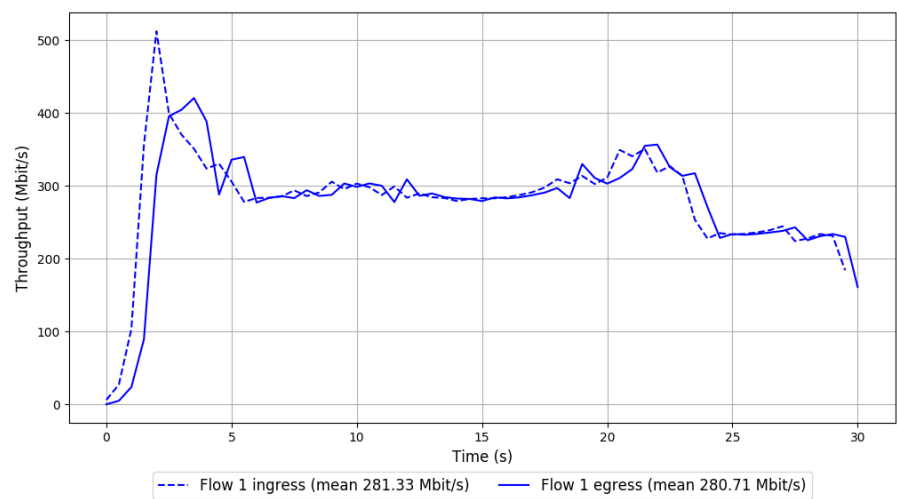
-- Flow 1:

Average throughput: 280.71 Mbit/s

95th percentile per-packet one-way delay: 133.645 ms

Loss rate: 0.57%

Run 5: Report of PCC-Expr — Data Link

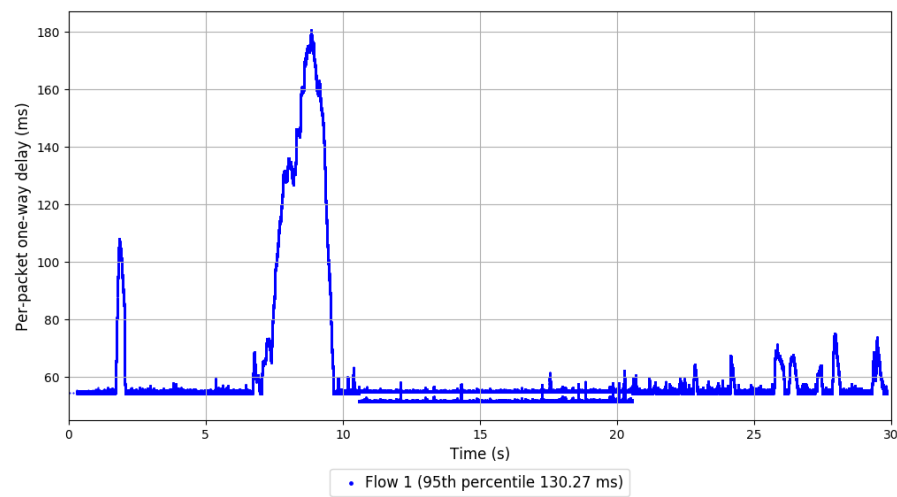
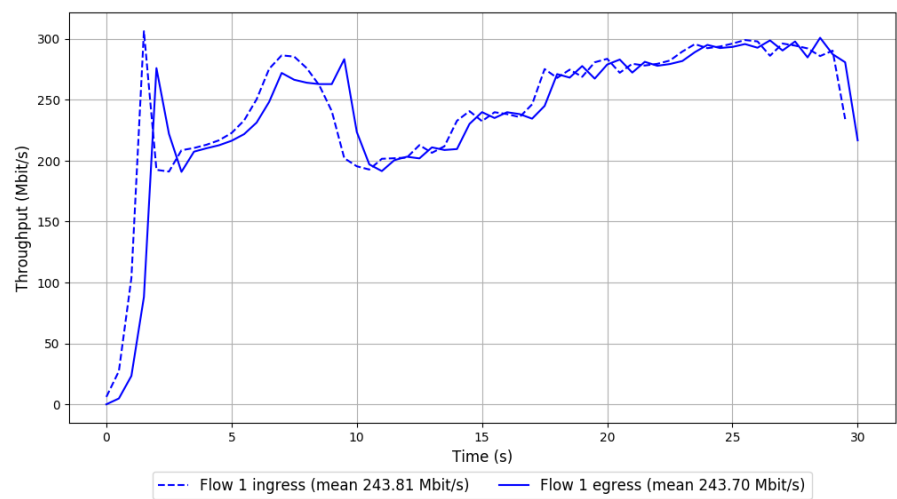


Run 6: Statistics of PCC-Expr

Start at: 2018-07-20 16:21:03
End at: 2018-07-20 16:21:33
Local clock offset: -0.111 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-07-20 19:36:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.70 Mbit/s
95th percentile per-packet one-way delay: 130.266 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 243.70 Mbit/s
95th percentile per-packet one-way delay: 130.266 ms
Loss rate: 0.40%

Run 6: Report of PCC-Expr — Data Link

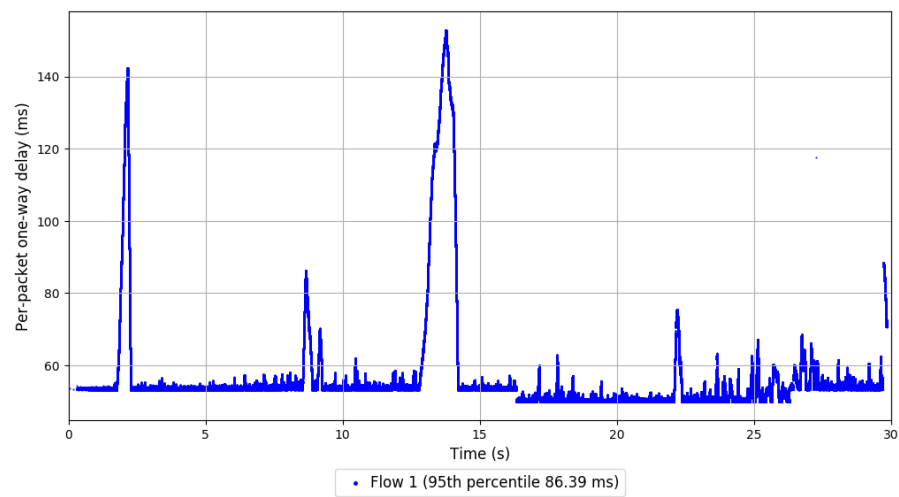
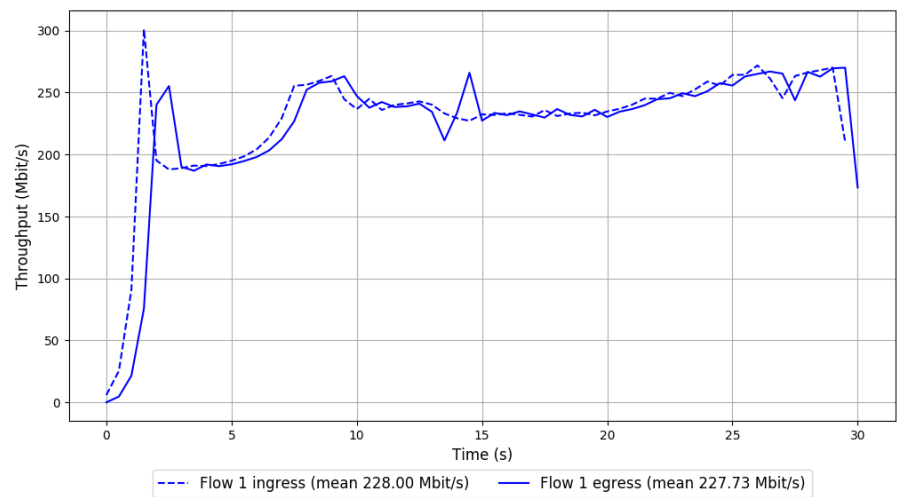


Run 7: Statistics of PCC-Expr

Start at: 2018-07-20 16:43:08
End at: 2018-07-20 16:43:38
Local clock offset: -0.019 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-20 19:36:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.73 Mbit/s
95th percentile per-packet one-way delay: 86.390 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 227.73 Mbit/s
95th percentile per-packet one-way delay: 86.390 ms
Loss rate: 0.48%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-20 17:04:58

End at: 2018-07-20 17:05:28

Local clock offset: 0.023 ms

Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-07-20 19:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.70 Mbit/s

95th percentile per-packet one-way delay: 169.994 ms

Loss rate: 0.72%

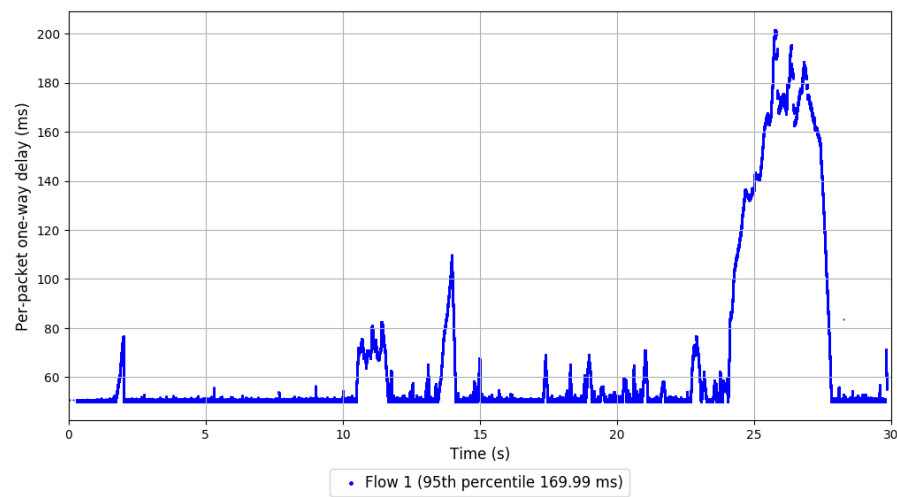
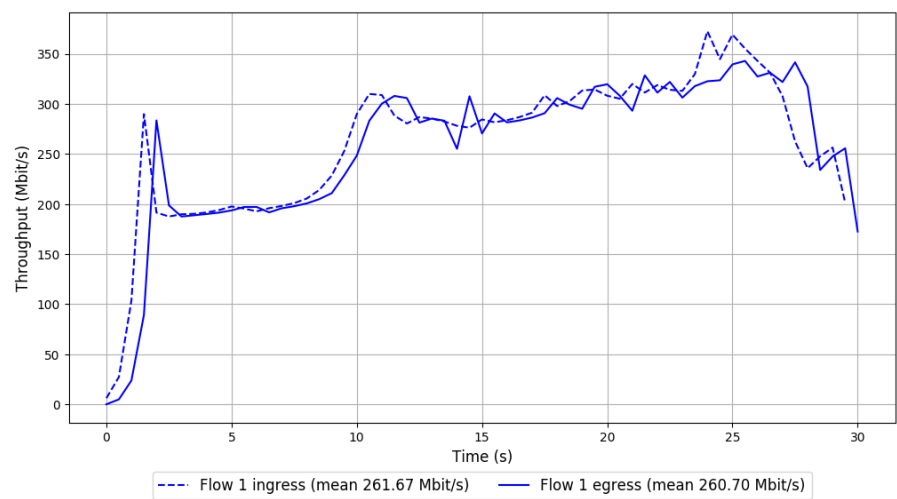
-- Flow 1:

Average throughput: 260.70 Mbit/s

95th percentile per-packet one-way delay: 169.994 ms

Loss rate: 0.72%

Run 8: Report of PCC-Expr — Data Link

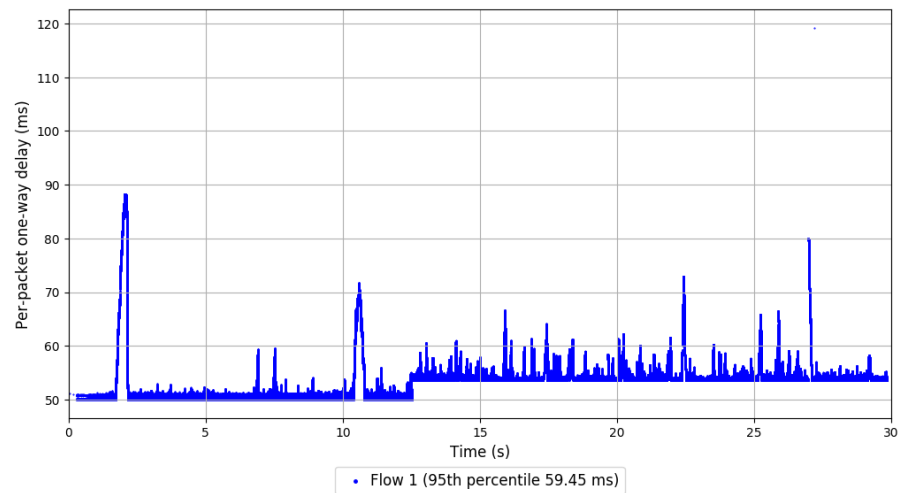
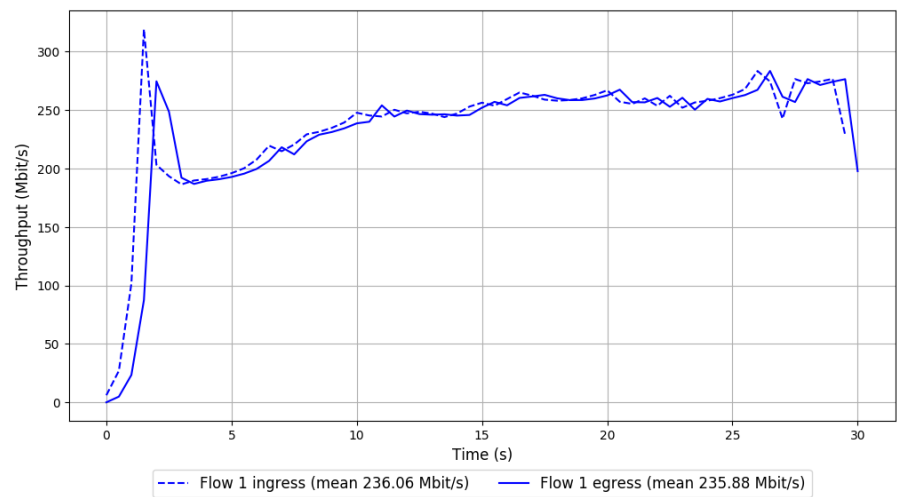


Run 9: Statistics of PCC-Expr

Start at: 2018-07-20 17:27:01
End at: 2018-07-20 17:27:31
Local clock offset: 0.064 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-20 19:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.88 Mbit/s
95th percentile per-packet one-way delay: 59.455 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 235.88 Mbit/s
95th percentile per-packet one-way delay: 59.455 ms
Loss rate: 0.43%

Run 9: Report of PCC-Expr — Data Link

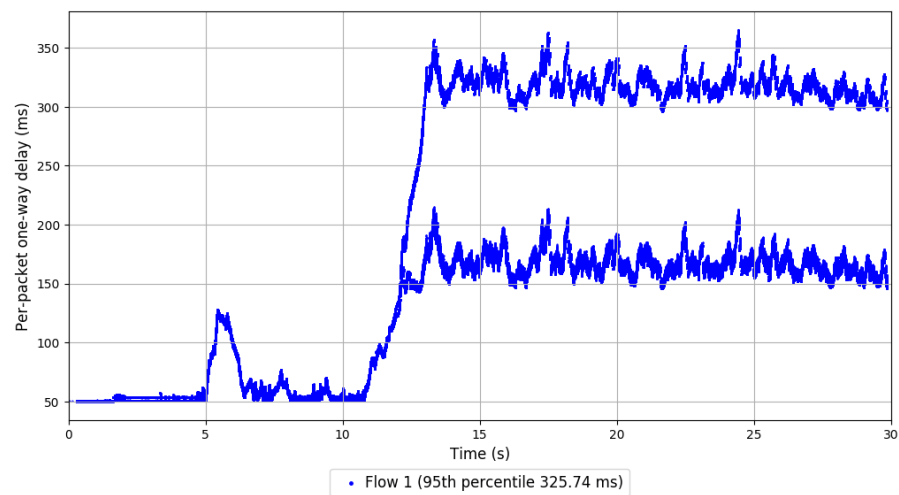
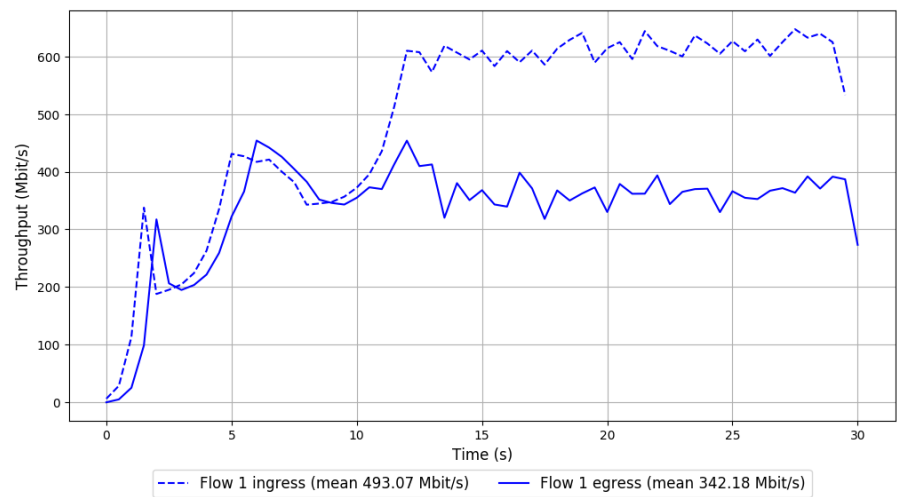


Run 10: Statistics of PCC-Expr

Start at: 2018-07-20 17:49:22
End at: 2018-07-20 17:49:52
Local clock offset: -0.264 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-20 19:44:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.18 Mbit/s
95th percentile per-packet one-way delay: 325.744 ms
Loss rate: 30.85%
-- Flow 1:
Average throughput: 342.18 Mbit/s
95th percentile per-packet one-way delay: 325.744 ms
Loss rate: 30.85%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-20 14:37:11

End at: 2018-07-20 14:37:41

Local clock offset: -0.306 ms

Remote clock offset: -1.116 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.06 Mbit/s

95th percentile per-packet one-way delay: 54.646 ms

Loss rate: 0.61%

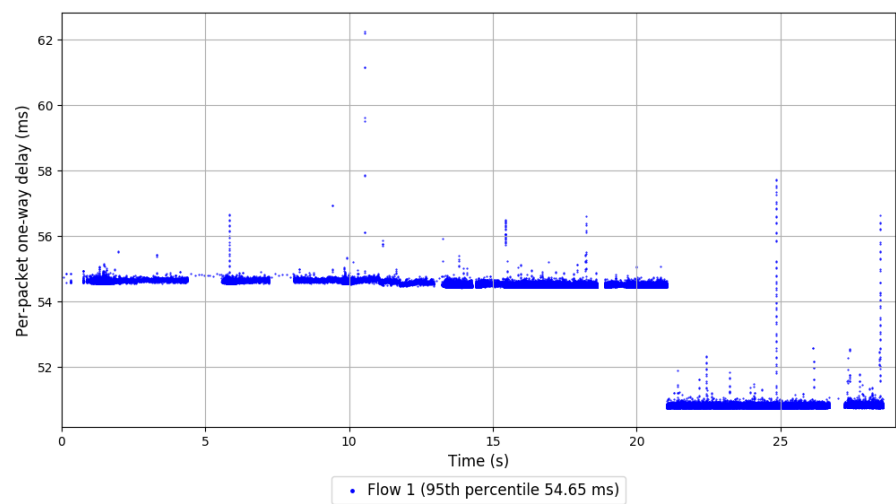
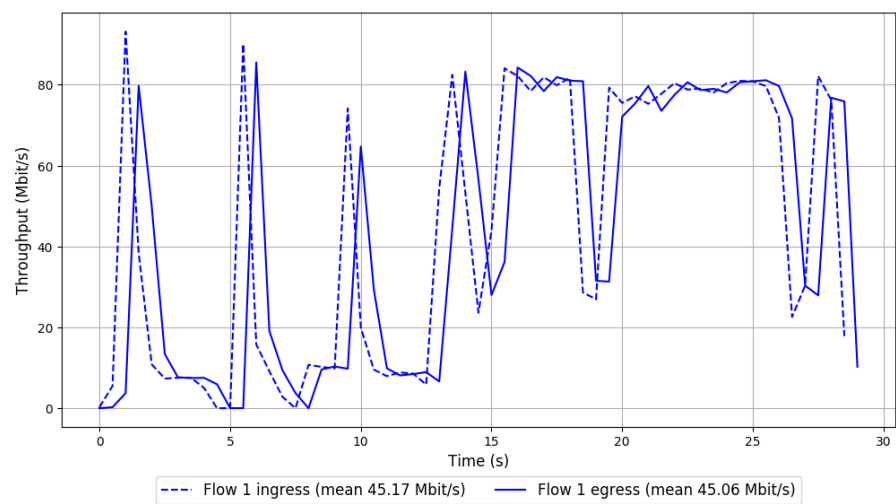
-- Flow 1:

Average throughput: 45.06 Mbit/s

95th percentile per-packet one-way delay: 54.646 ms

Loss rate: 0.61%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

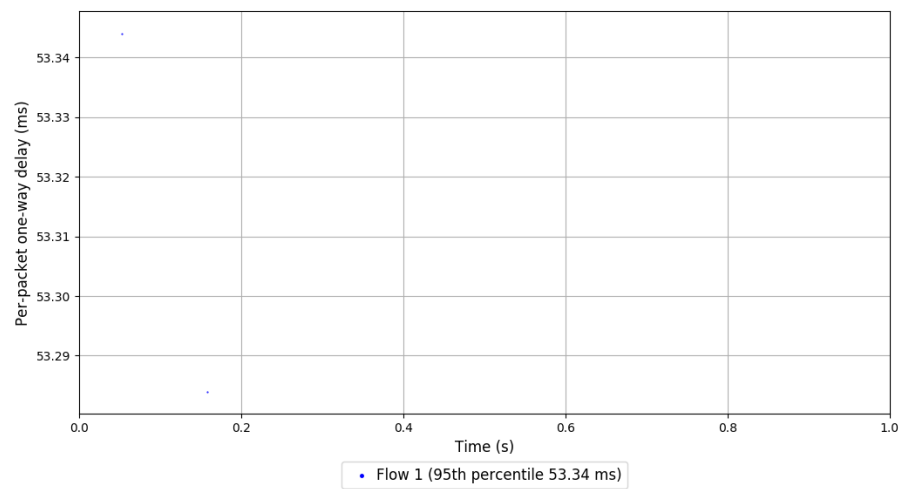
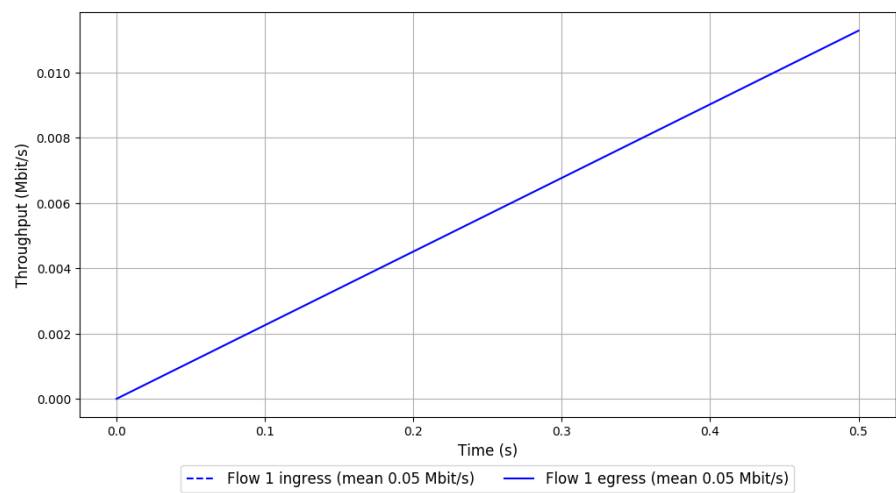
Start at: 2018-07-20 14:58:38

End at: 2018-07-20 14:59:08

Local clock offset: -0.008 ms

Remote clock offset: 0.013 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

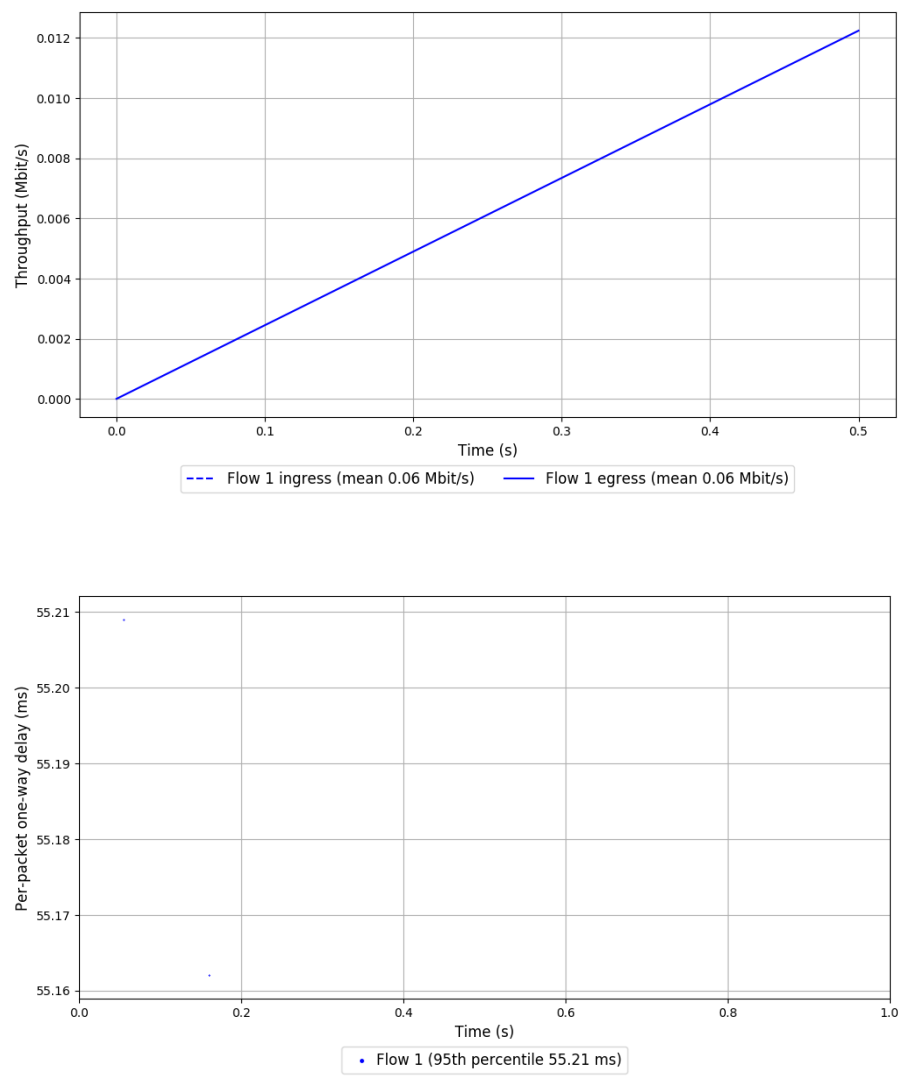
Start at: 2018-07-20 15:20:22

End at: 2018-07-20 15:20:52

Local clock offset: -0.01 ms

Remote clock offset: -1.461 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-20 15:42:36

End at: 2018-07-20 15:43:06

Local clock offset: -0.132 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.34 Mbit/s

95th percentile per-packet one-way delay: 54.059 ms

Loss rate: 0.11%

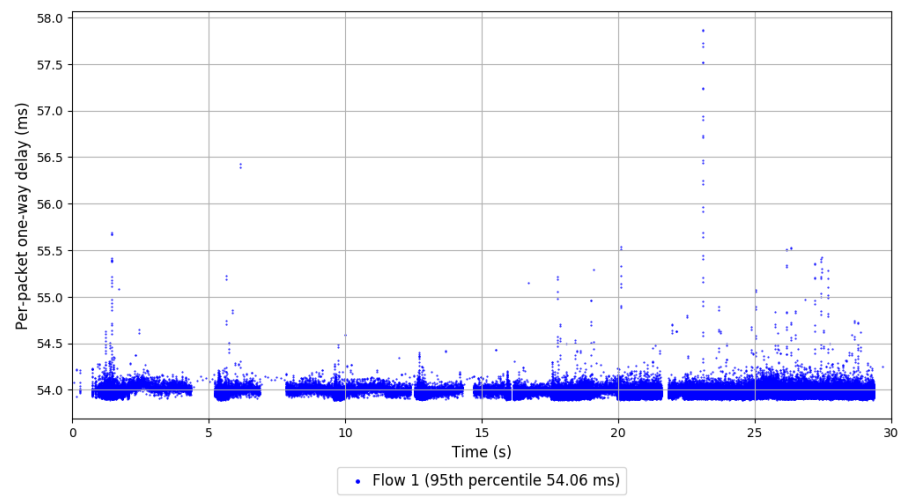
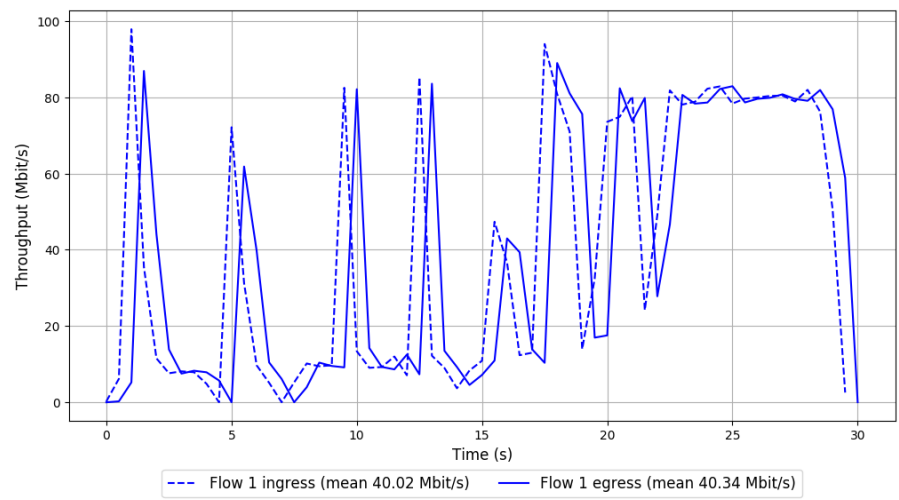
-- Flow 1:

Average throughput: 40.34 Mbit/s

95th percentile per-packet one-way delay: 54.059 ms

Loss rate: 0.11%

Run 4: Report of QUIC Cubic — Data Link

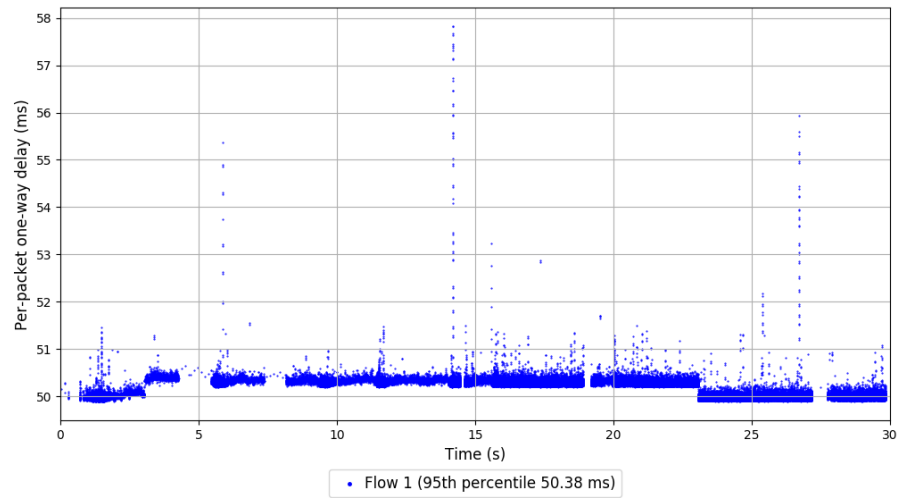
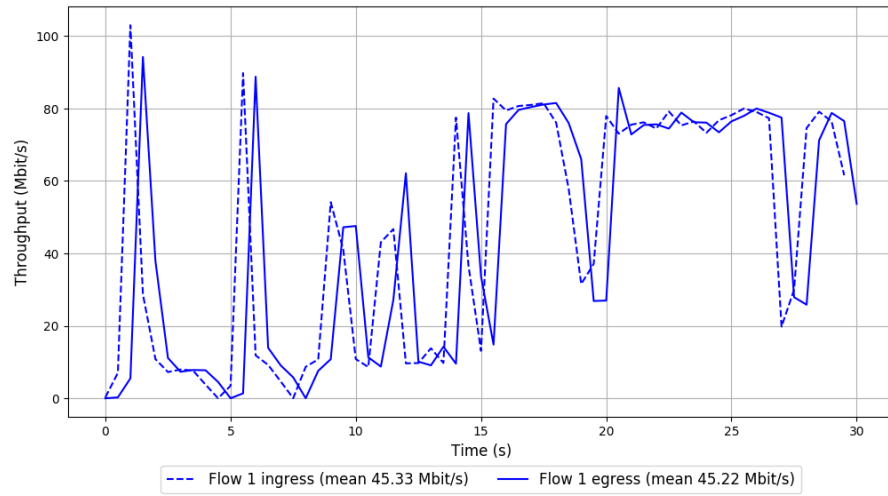


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-20 16:04:21
End at: 2018-07-20 16:04:51
Local clock offset: -0.276 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-20 19:44:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 50.379 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 50.379 ms
Loss rate: 0.58%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-20 16:26:16

End at: 2018-07-20 16:26:46

Local clock offset: 0.014 ms

Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.06 Mbit/s

95th percentile per-packet one-way delay: 54.042 ms

Loss rate: 0.52%

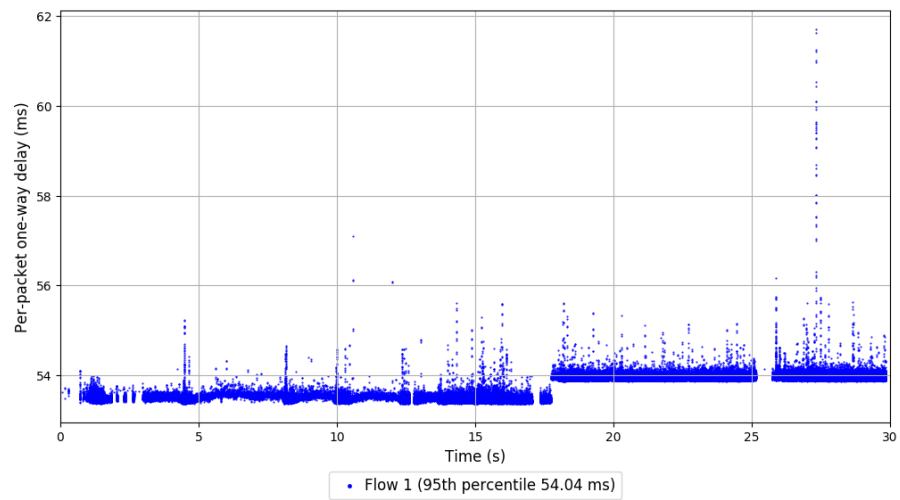
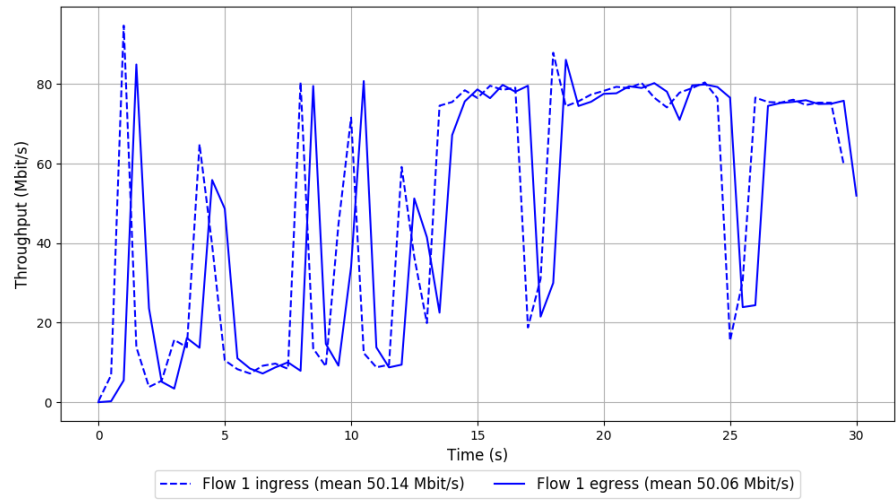
-- Flow 1:

Average throughput: 50.06 Mbit/s

95th percentile per-packet one-way delay: 54.042 ms

Loss rate: 0.52%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-20 16:48:14

End at: 2018-07-20 16:48:44

Local clock offset: 0.132 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 53.783 ms

Loss rate: 0.60%

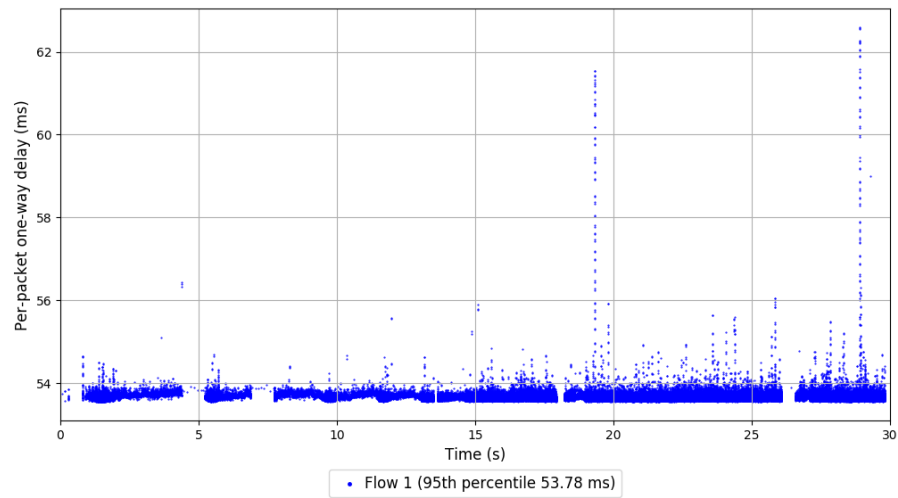
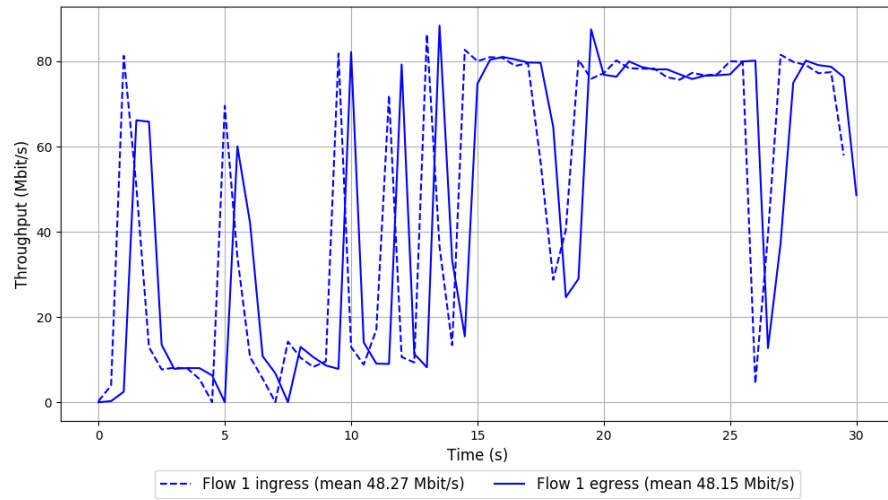
-- Flow 1:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 53.783 ms

Loss rate: 0.60%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-20 17:10:08

End at: 2018-07-20 17:10:38

Local clock offset: 0.083 ms

Remote clock offset: 1.164 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.62 Mbit/s

95th percentile per-packet one-way delay: 52.403 ms

Loss rate: 0.43%

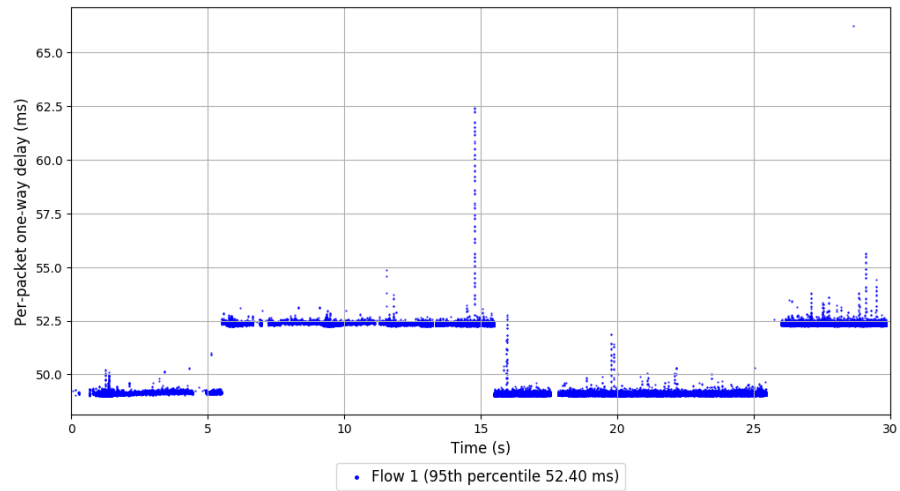
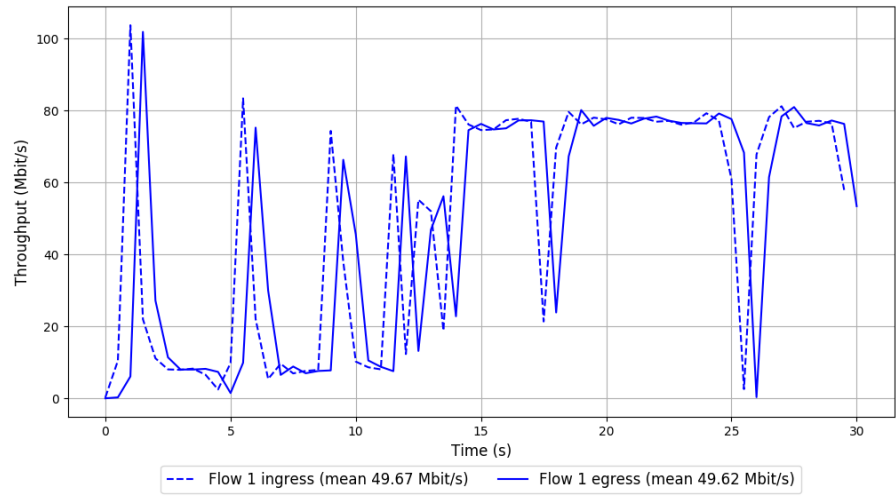
-- Flow 1:

Average throughput: 49.62 Mbit/s

95th percentile per-packet one-way delay: 52.403 ms

Loss rate: 0.43%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-20 17:32:32

End at: 2018-07-20 17:33:02

Local clock offset: 0.011 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.93 Mbit/s

95th percentile per-packet one-way delay: 50.179 ms

Loss rate: 0.45%

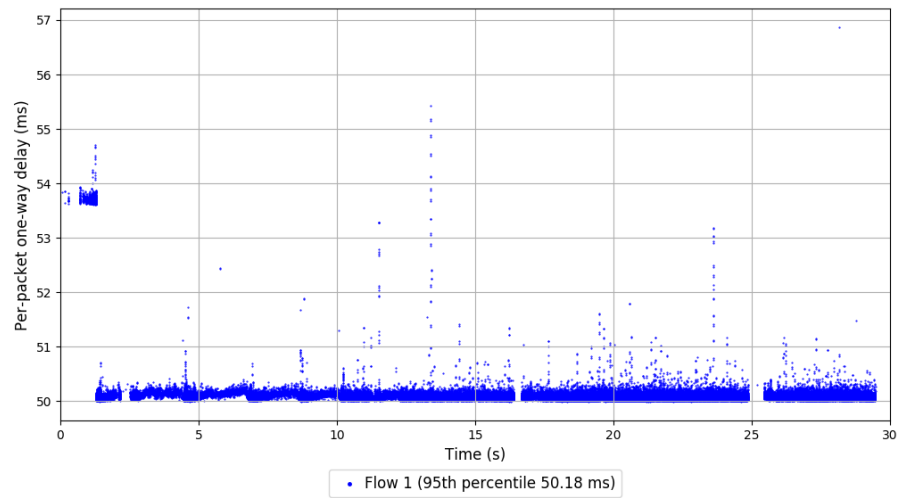
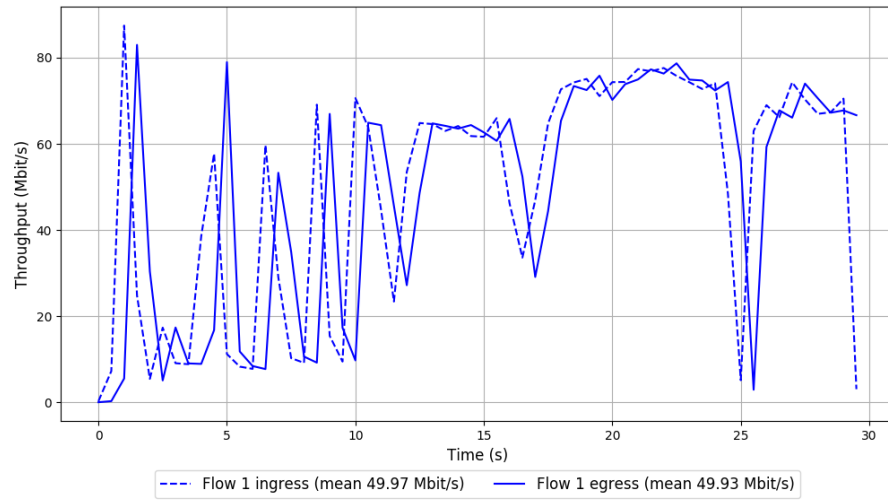
-- Flow 1:

Average throughput: 49.93 Mbit/s

95th percentile per-packet one-way delay: 50.179 ms

Loss rate: 0.45%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-20 17:54:41

End at: 2018-07-20 17:55:11

Local clock offset: 0.029 ms

Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.56 Mbit/s

95th percentile per-packet one-way delay: 54.120 ms

Loss rate: 0.55%

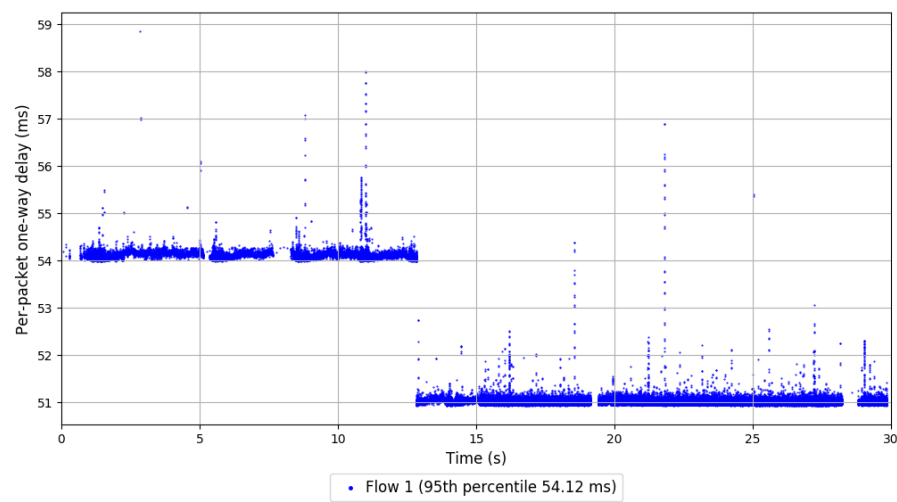
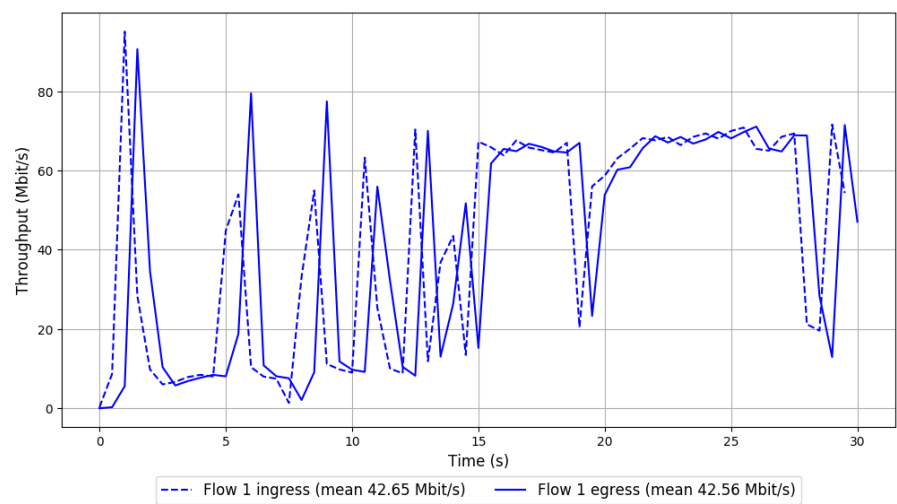
-- Flow 1:

Average throughput: 42.56 Mbit/s

95th percentile per-packet one-way delay: 54.120 ms

Loss rate: 0.55%

Run 10: Report of QUIC Cubic — Data Link

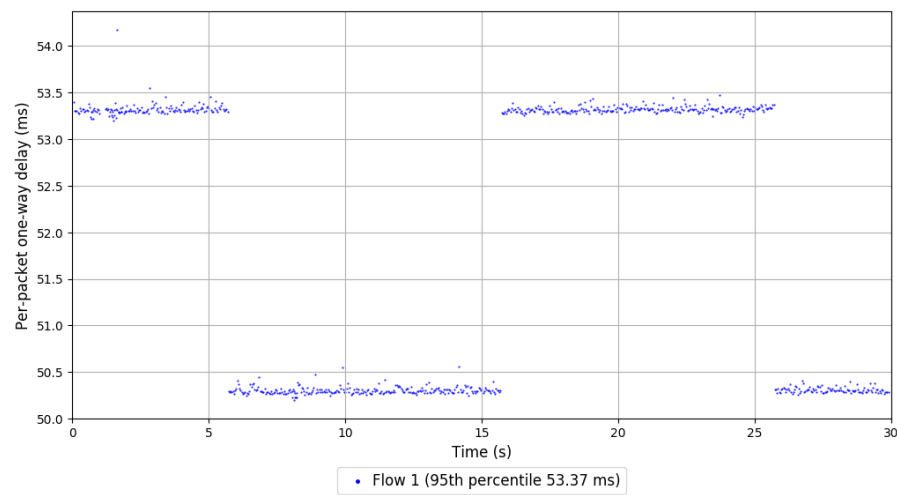
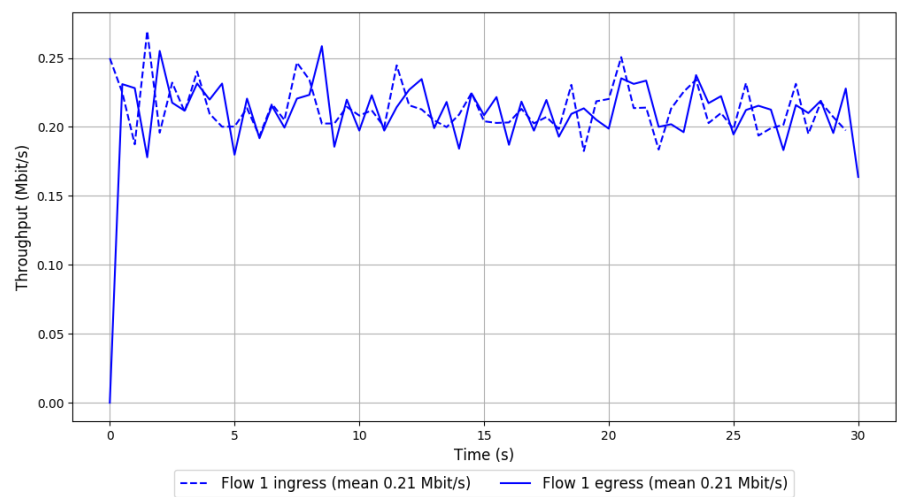


```
Run 1: Statistics of SCReAM

Start at: 2018-07-20 14:28:18
End at: 2018-07-20 14:28:48
Local clock offset: 0.037 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-07-20 19:44:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.366 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.366 ms
Loss rate: 0.39%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-20 14:49:49

End at: 2018-07-20 14:50:19

Local clock offset: -0.184 ms

Remote clock offset: 1.347 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.325 ms

Loss rate: 0.38%

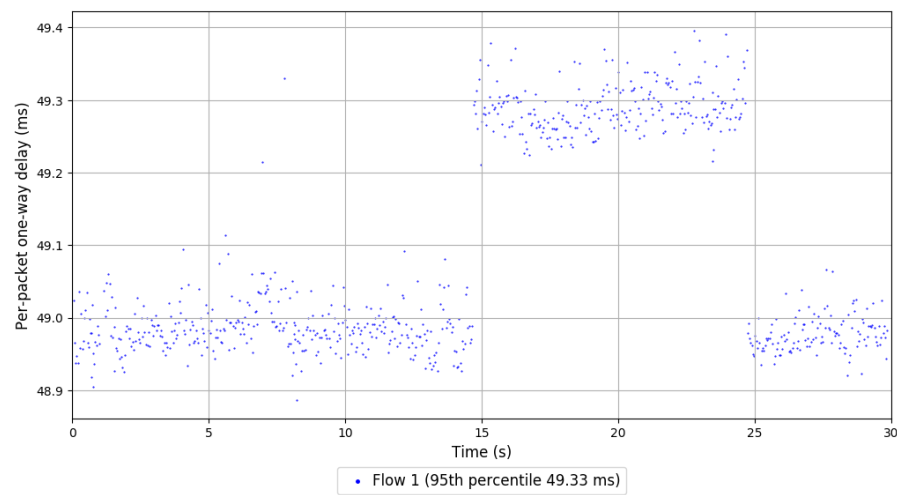
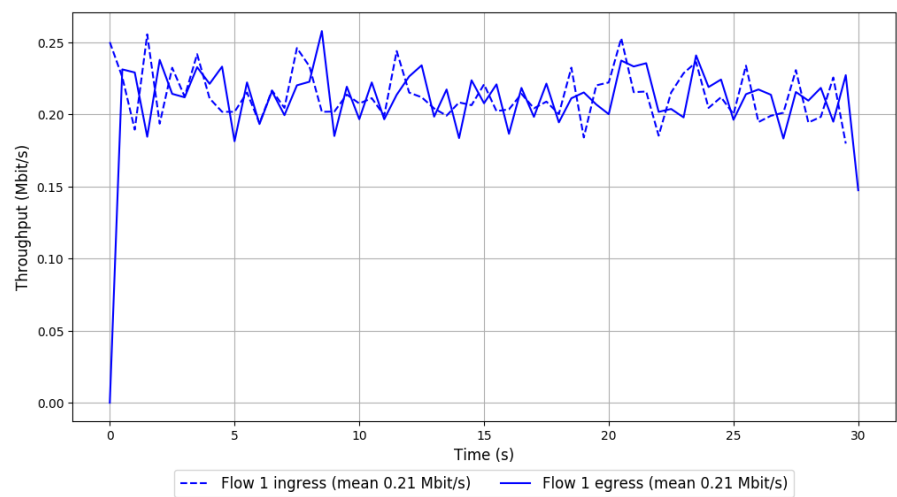
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.325 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-20 15:11:29

End at: 2018-07-20 15:11:59

Local clock offset: -0.062 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.817 ms

Loss rate: 0.38%

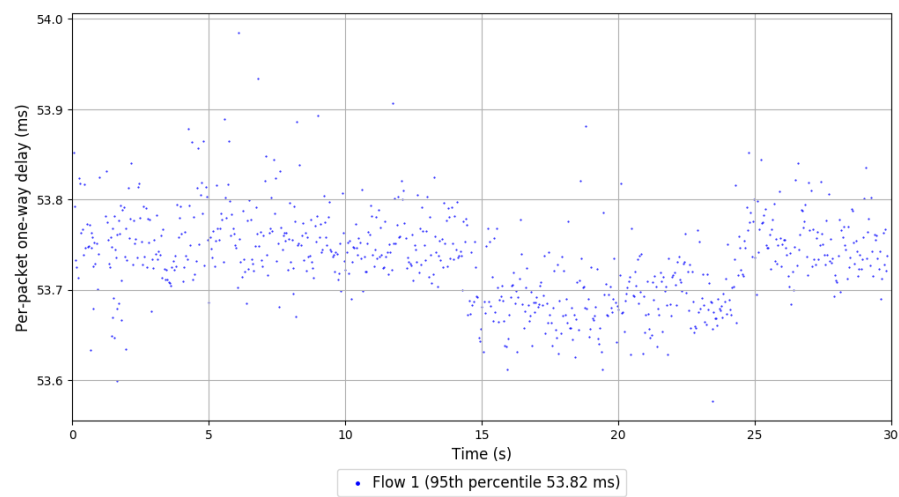
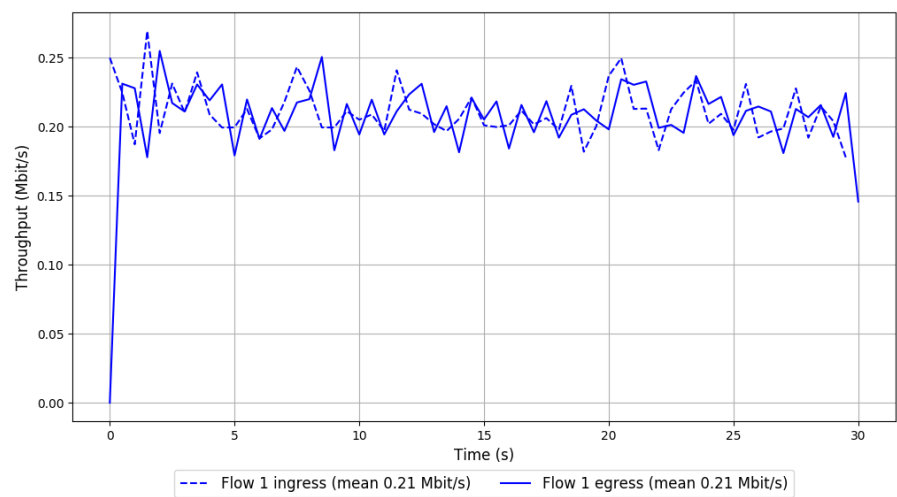
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.817 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-20 15:33:17

End at: 2018-07-20 15:33:47

Local clock offset: -0.182 ms

Remote clock offset: 1.347 ms

Below is generated by plot.py at 2018-07-20 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.512 ms

Loss rate: 0.38%

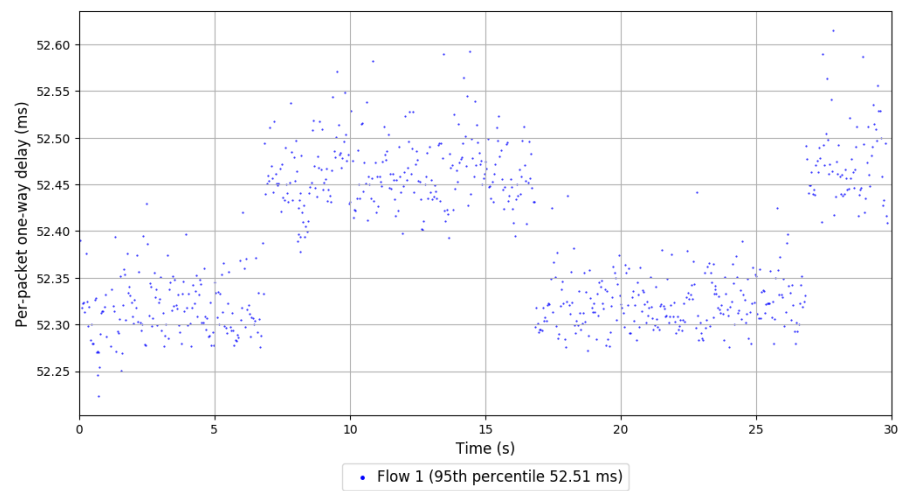
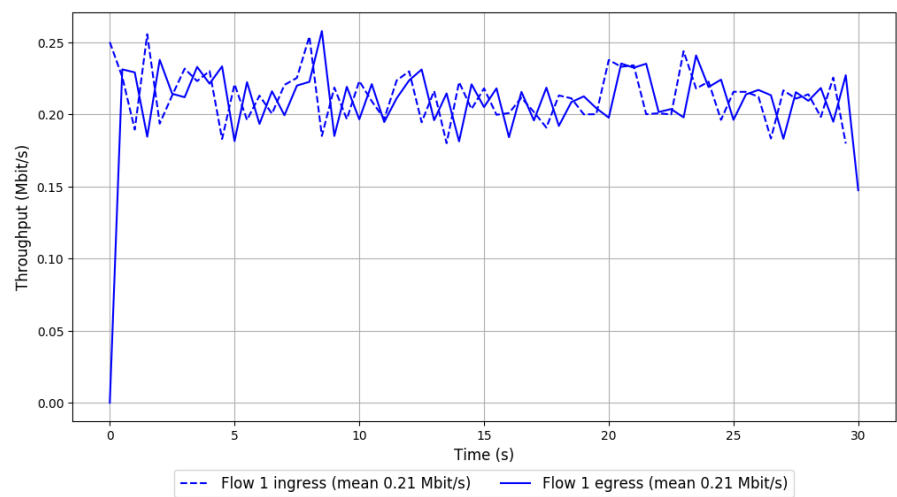
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.512 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

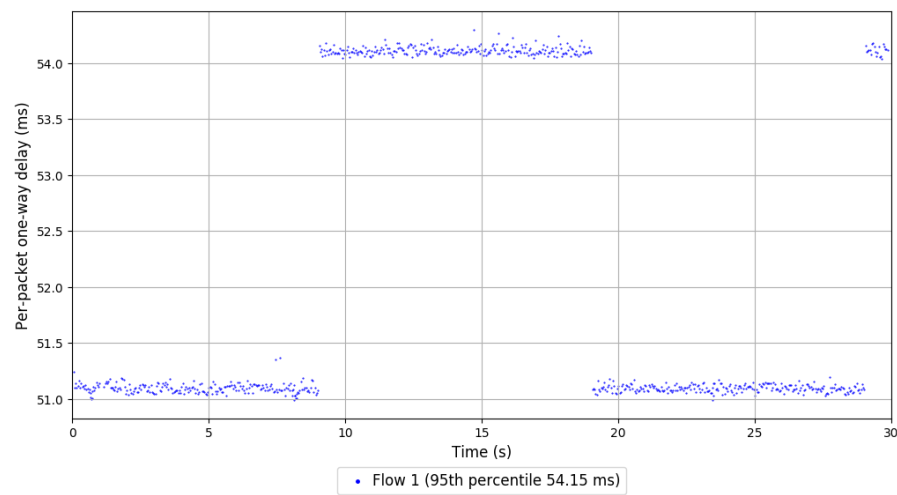
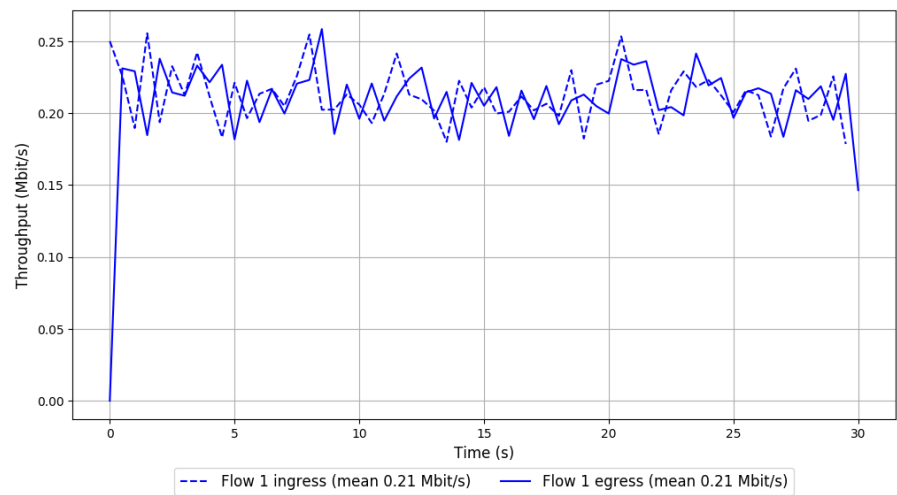


Run 5: Statistics of SCReAM

Start at: 2018-07-20 15:55:25
End at: 2018-07-20 15:55:55
Local clock offset: -0.12 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.154 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.154 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-20 16:17:19

End at: 2018-07-20 16:17:49

Local clock offset: -0.119 ms

Remote clock offset: -1.53 ms

Below is generated by plot.py at 2018-07-20 19:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.927 ms

Loss rate: 0.38%

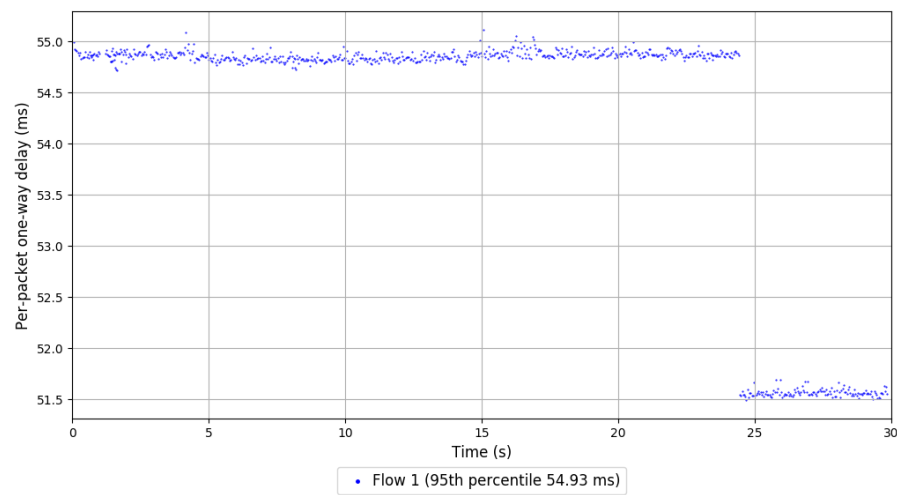
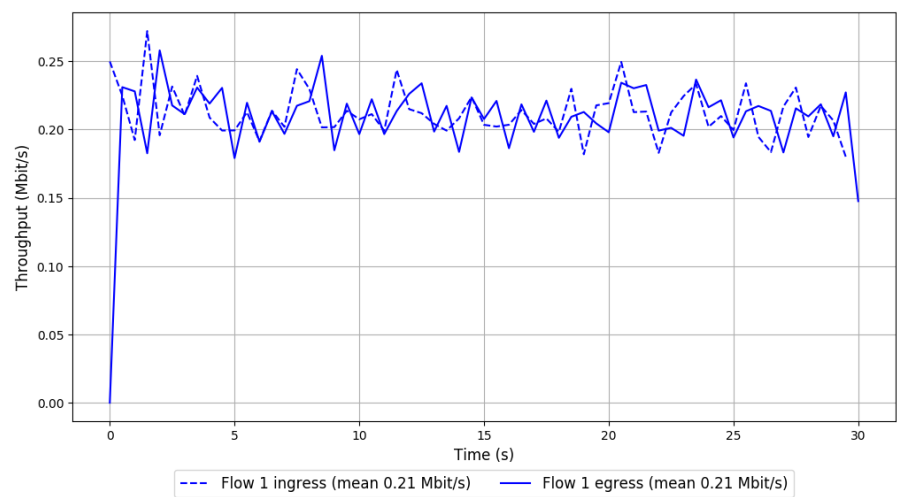
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.927 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link

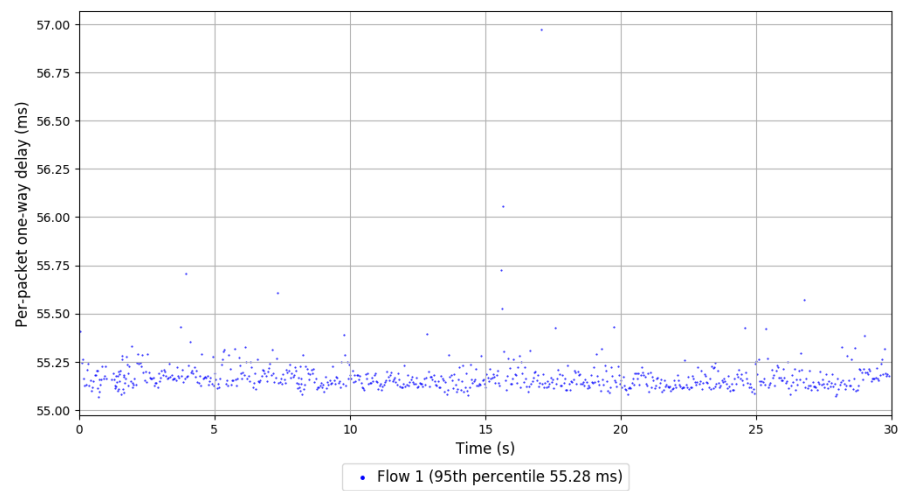
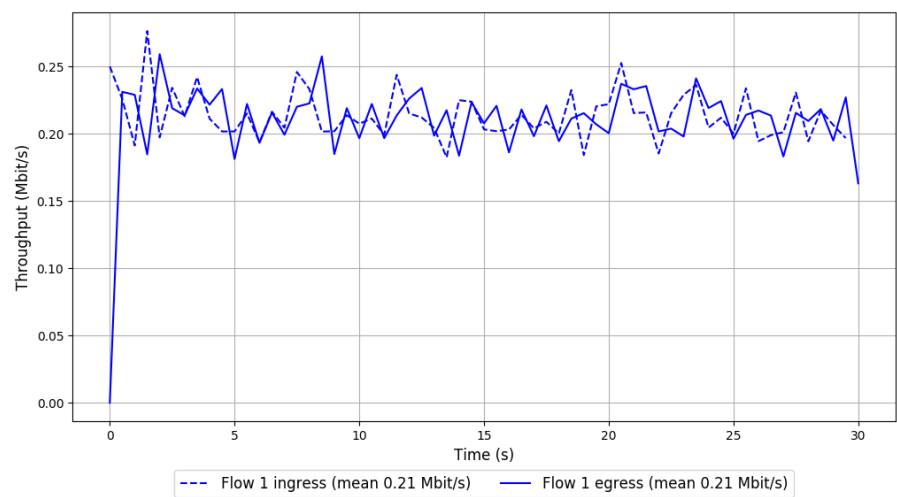


Run 7: Statistics of SReAM

Start at: 2018-07-20 16:39:25
End at: 2018-07-20 16:39:55
Local clock offset: -0.078 ms
Remote clock offset: -1.478 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.283 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.283 ms
Loss rate: 0.39%

Run 7: Report of SReAM — Data Link

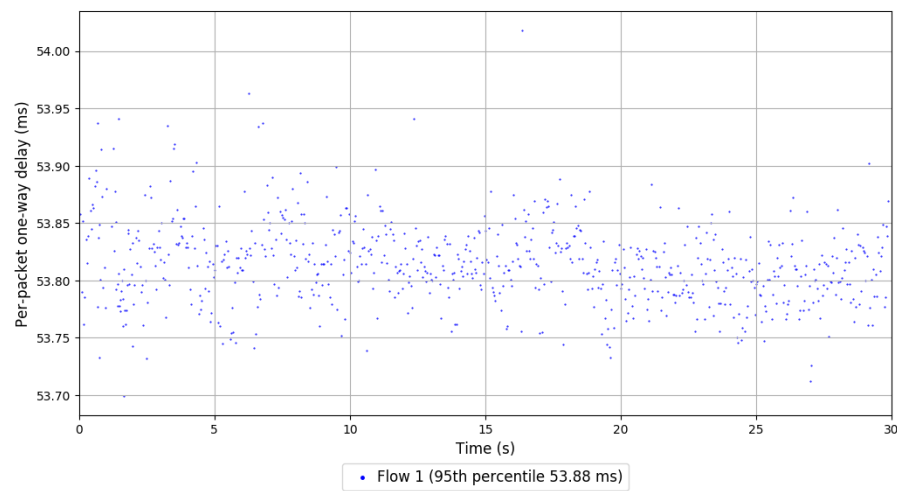
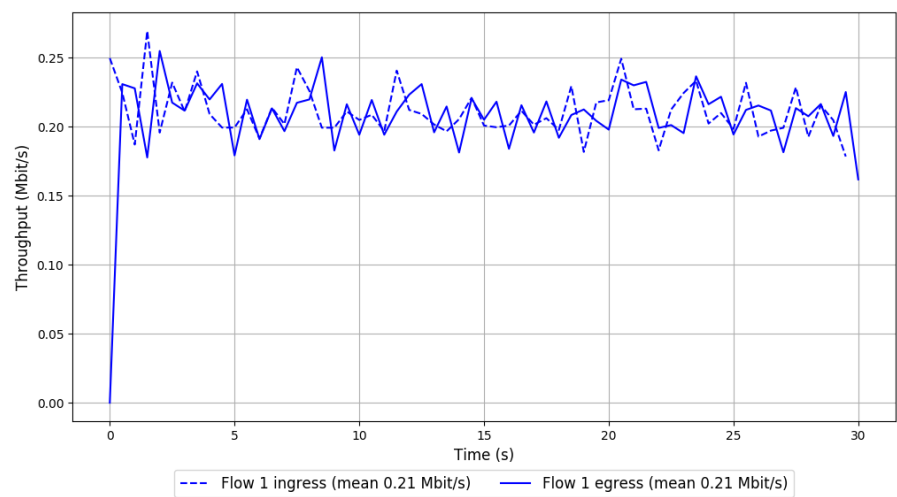


Run 8: Statistics of SCReAM

Start at: 2018-07-20 17:01:13
End at: 2018-07-20 17:01:43
Local clock offset: -0.116 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.875 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.875 ms
Loss rate: 0.26%

Run 8: Report of SReAM — Data Link

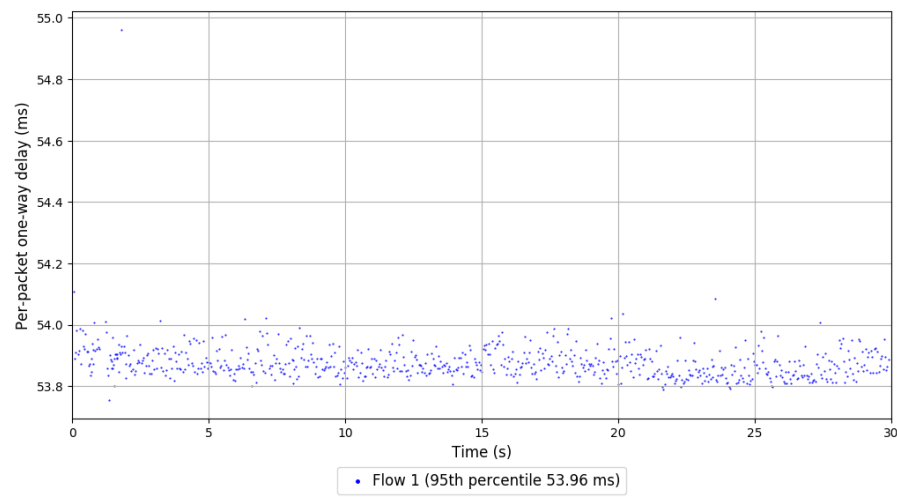
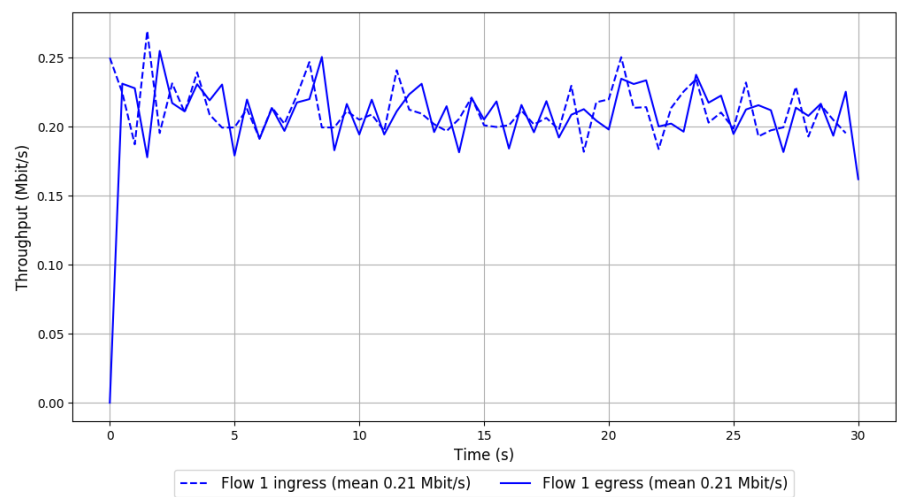


Run 9: Statistics of SCReAM

Start at: 2018-07-20 17:23:17
End at: 2018-07-20 17:23:47
Local clock offset: 0.056 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.960 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.960 ms
Loss rate: 0.39%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-20 17:45:38

End at: 2018-07-20 17:46:08

Local clock offset: 0.084 ms

Remote clock offset: 1.29 ms

Below is generated by plot.py at 2018-07-20 19:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.085 ms

Loss rate: 0.39%

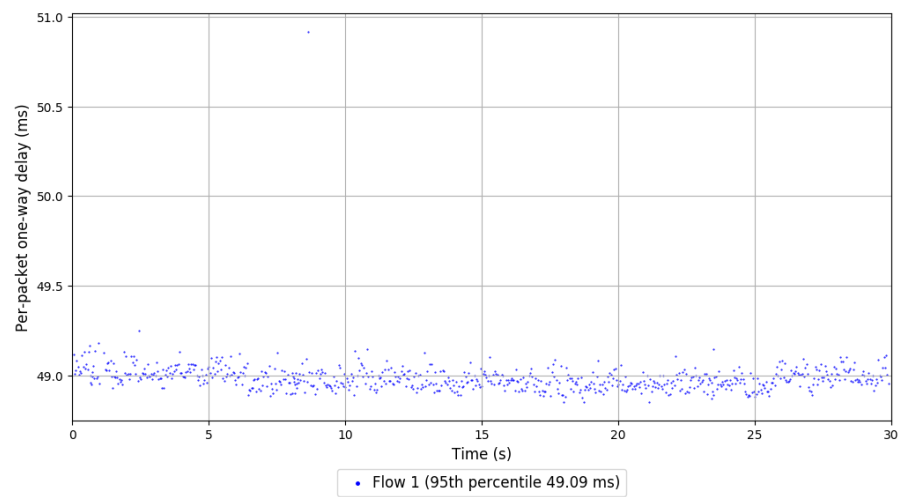
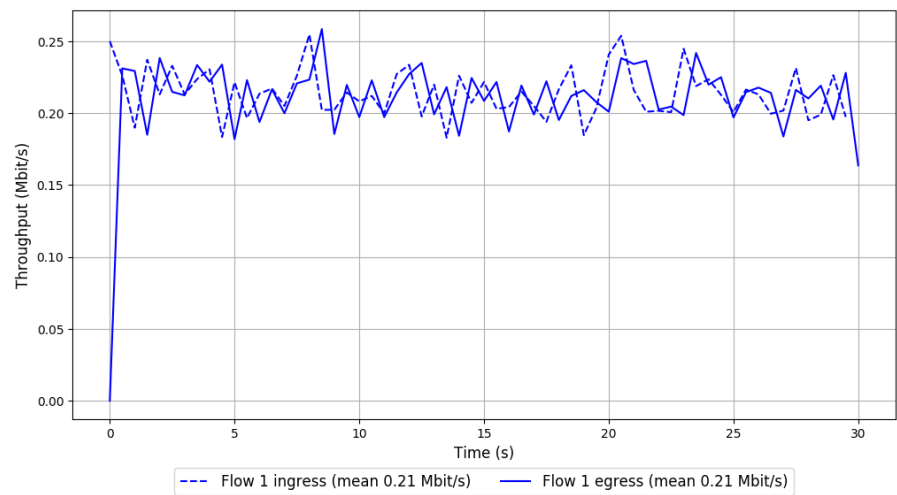
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 49.085 ms

Loss rate: 0.39%

Run 10: Report of SReAM — Data Link

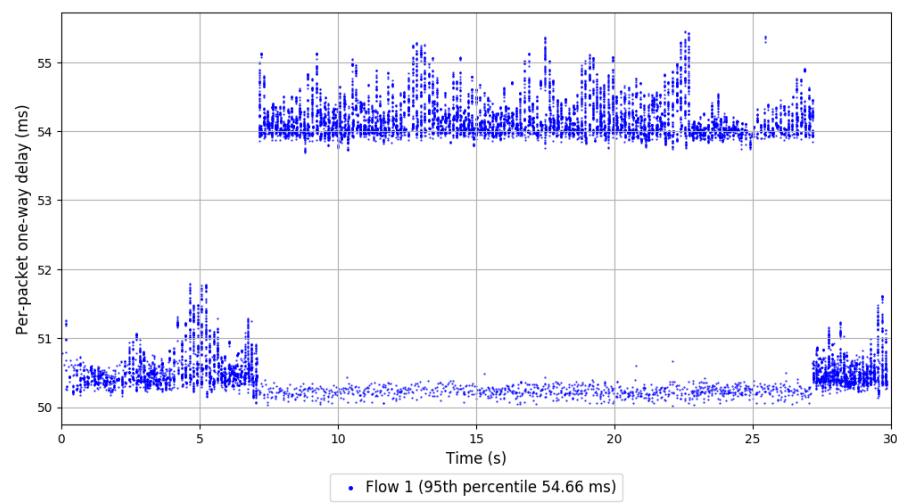
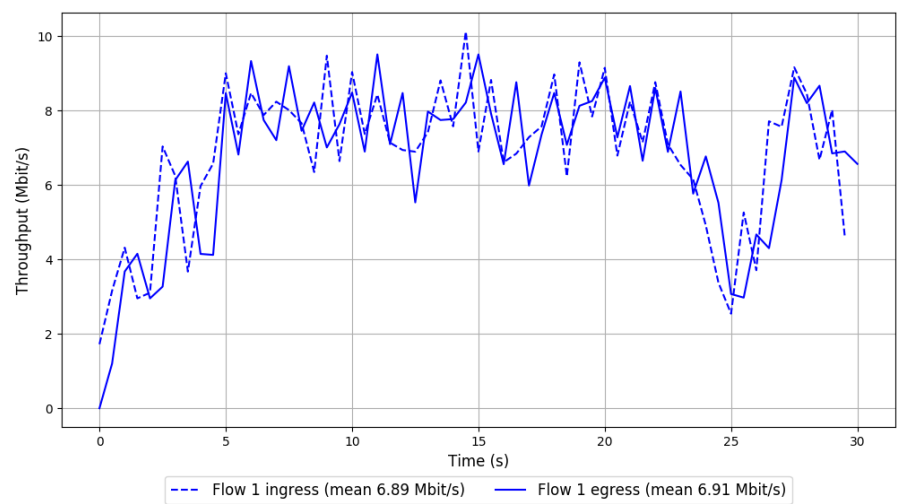


Run 1: Statistics of Sprout

Start at: 2018-07-20 14:21:57
End at: 2018-07-20 14:22:27
Local clock offset: 0.079 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 54.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 54.664 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-20 14:43:36

End at: 2018-07-20 14:44:06

Local clock offset: -0.304 ms

Remote clock offset: 1.406 ms

Below is generated by plot.py at 2018-07-20 19:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 52.745 ms

Loss rate: 0.74%

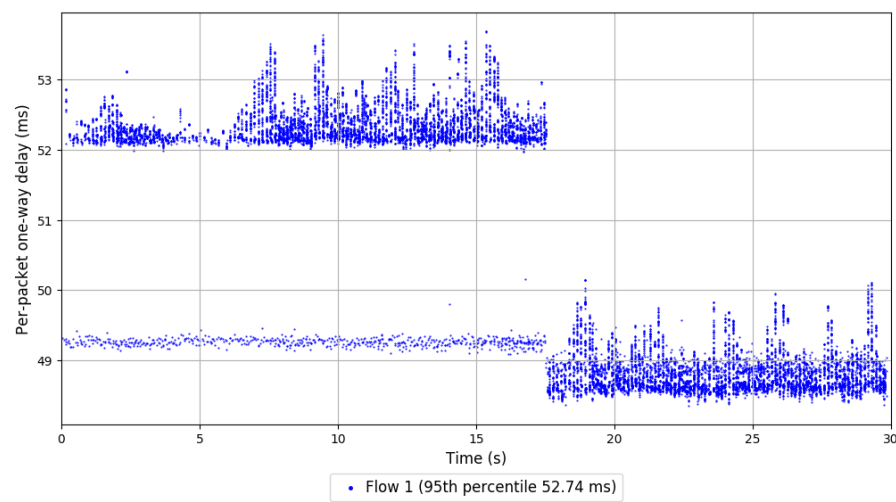
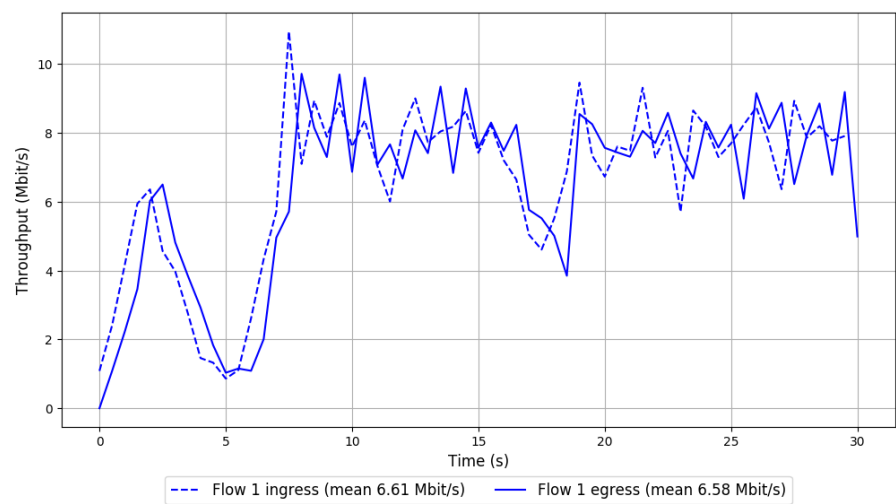
-- Flow 1:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 52.745 ms

Loss rate: 0.74%

Run 2: Report of Sprout — Data Link

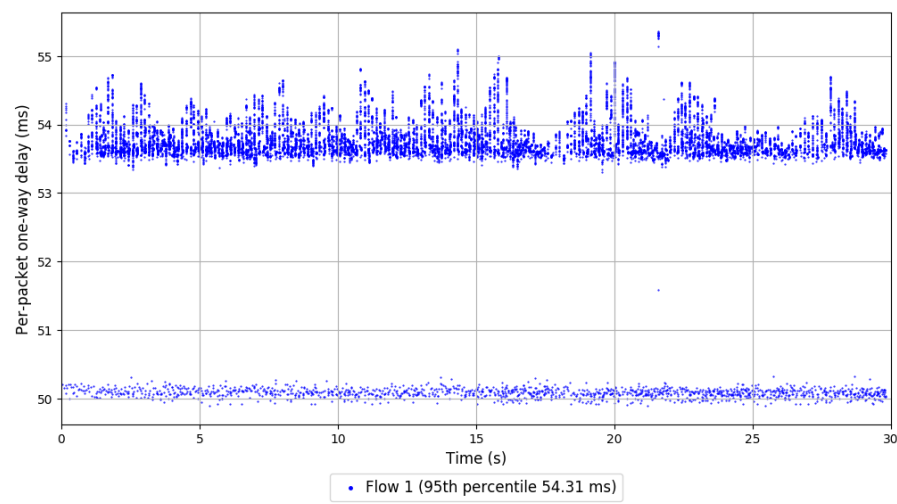
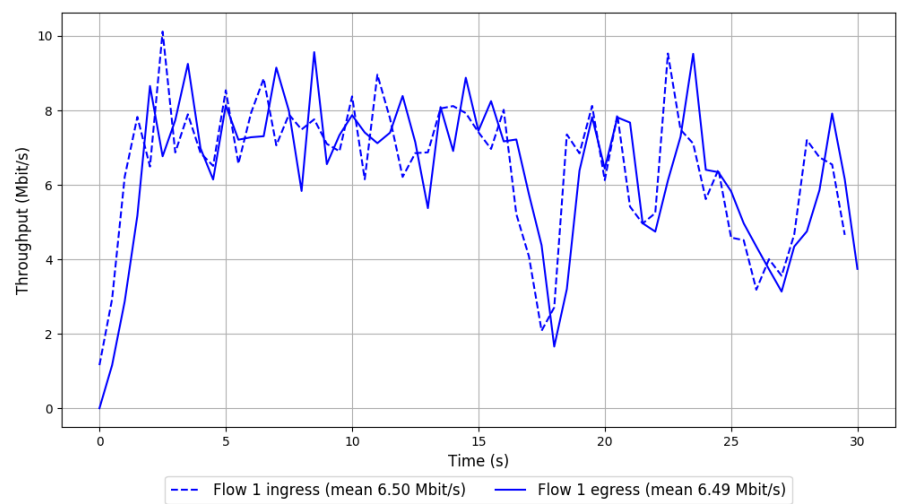


Run 3: Statistics of Sprout

Start at: 2018-07-20 15:05:03
End at: 2018-07-20 15:05:33
Local clock offset: -0.349 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 54.312 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 54.312 ms
Loss rate: 0.38%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-20 15:26:51

End at: 2018-07-20 15:27:21

Local clock offset: -0.323 ms

Remote clock offset: 1.307 ms

Below is generated by plot.py at 2018-07-20 19:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.48 Mbit/s

95th percentile per-packet one-way delay: 52.587 ms

Loss rate: 0.25%

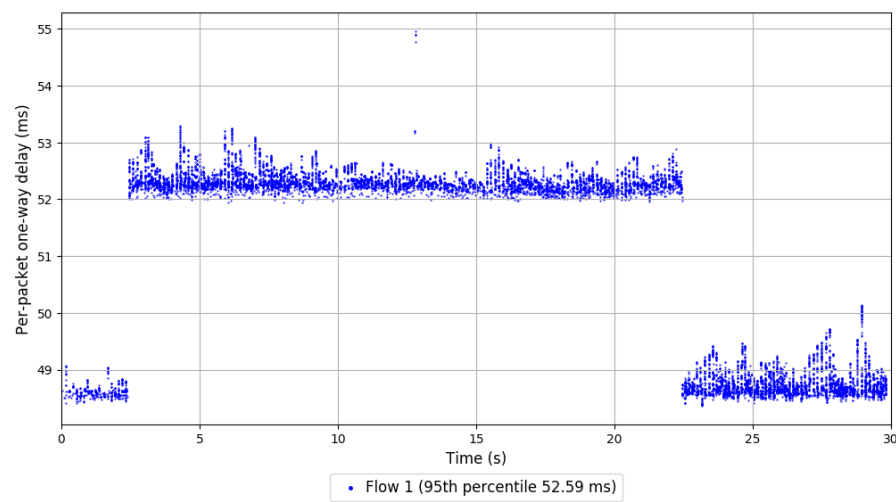
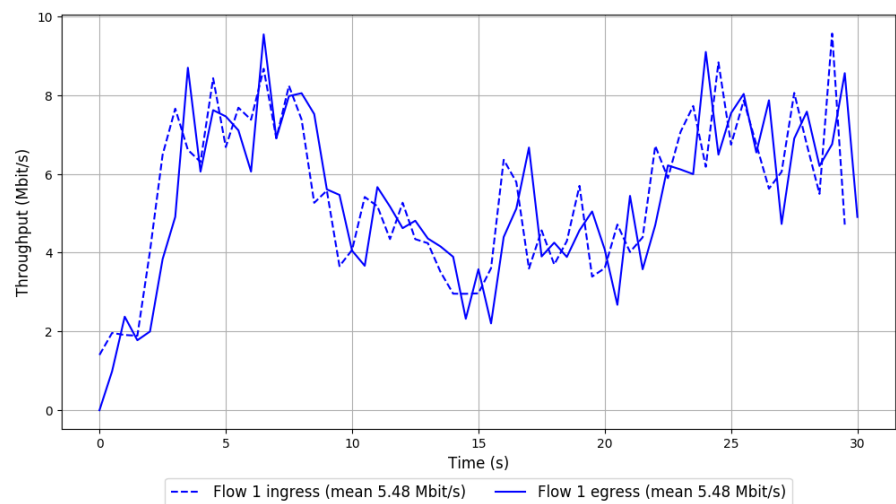
-- Flow 1:

Average throughput: 5.48 Mbit/s

95th percentile per-packet one-way delay: 52.587 ms

Loss rate: 0.25%

Run 4: Report of Sprout — Data Link

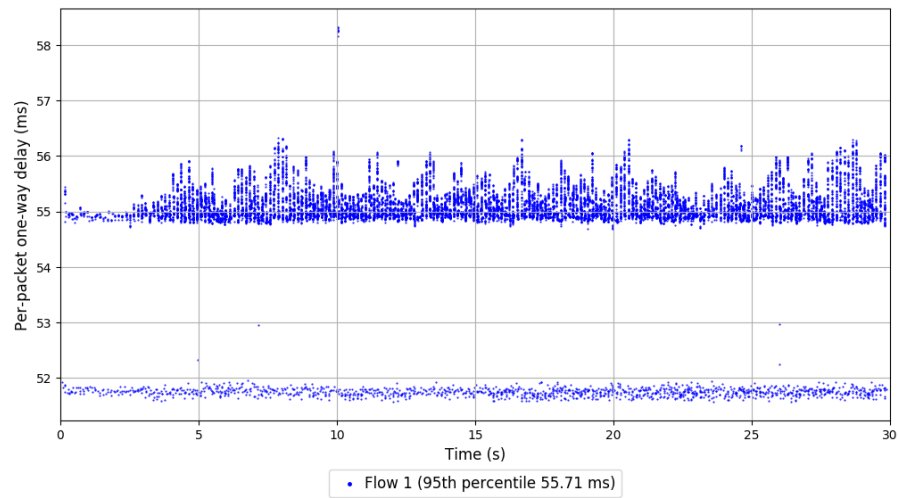
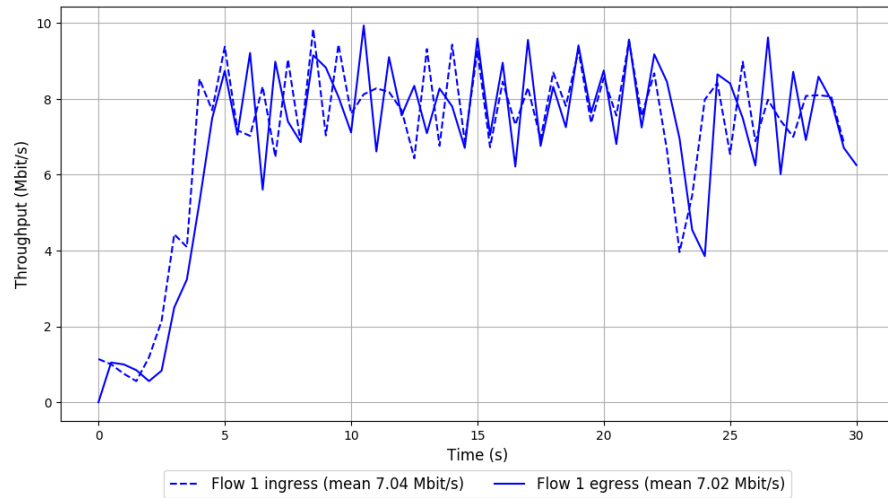


Run 5: Statistics of Sprout

Start at: 2018-07-20 15:49:00
End at: 2018-07-20 15:49:30
Local clock offset: -0.142 ms
Remote clock offset: -1.097 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 55.707 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 55.707 ms
Loss rate: 0.55%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-20 16:10:52

End at: 2018-07-20 16:11:22

Local clock offset: 0.008 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-07-20 19:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 54.322 ms

Loss rate: 0.53%

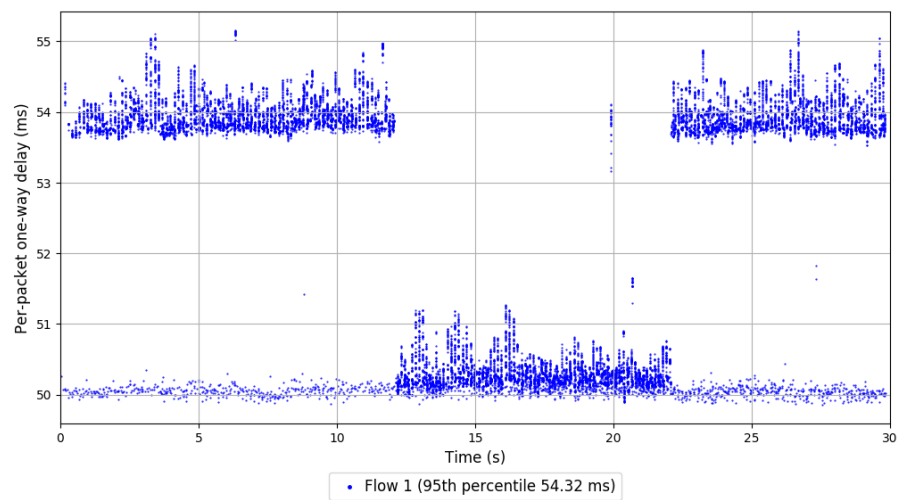
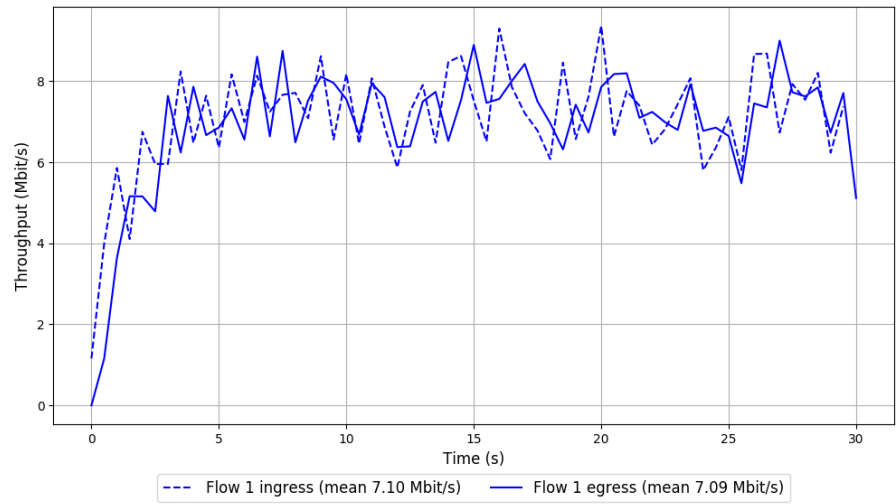
-- Flow 1:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 54.322 ms

Loss rate: 0.53%

Run 6: Report of Sprout — Data Link

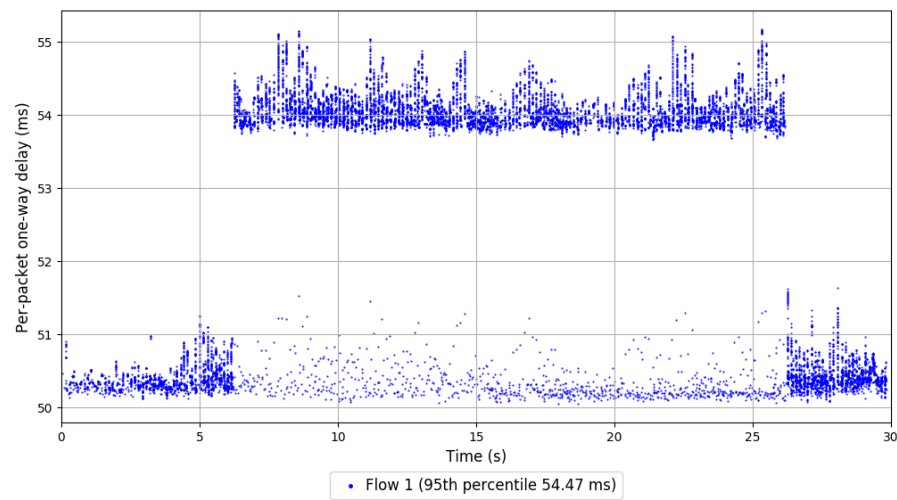
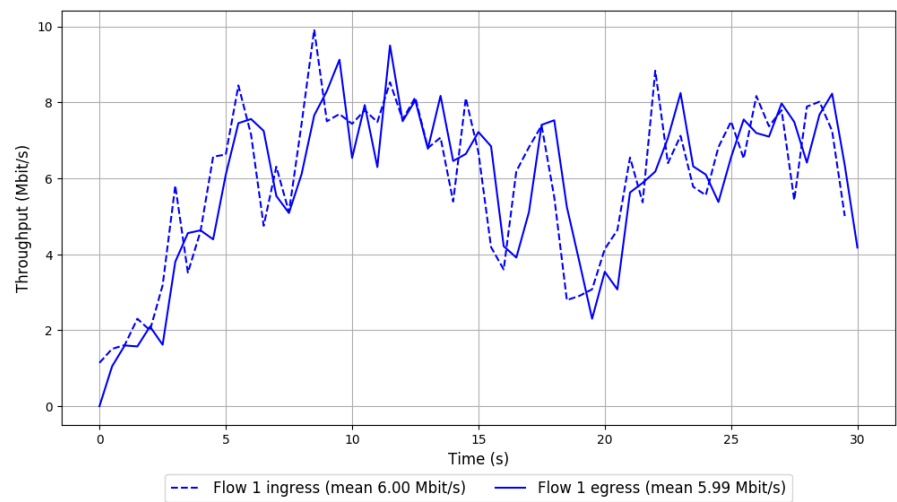


Run 7: Statistics of Sprout

Start at: 2018-07-20 16:32:48
End at: 2018-07-20 16:33:18
Local clock offset: -0.191 ms
Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 54.471 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 54.471 ms
Loss rate: 0.48%

Run 7: Report of Sprout — Data Link

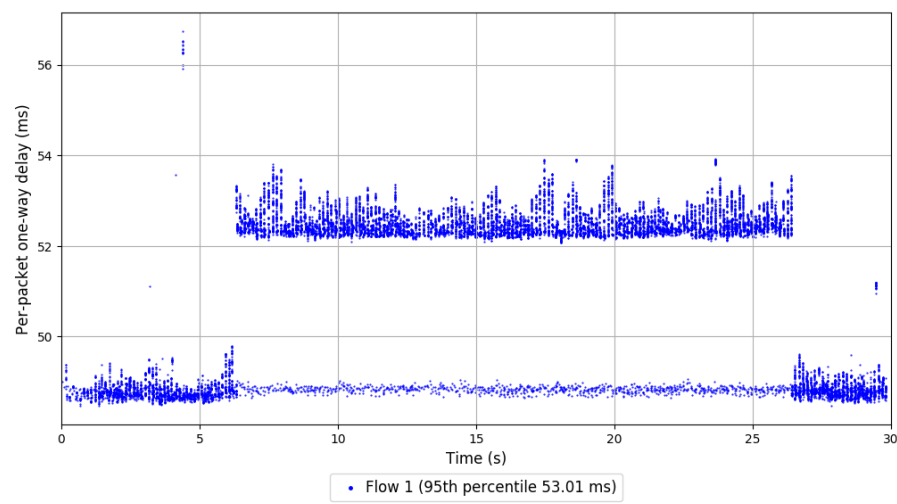
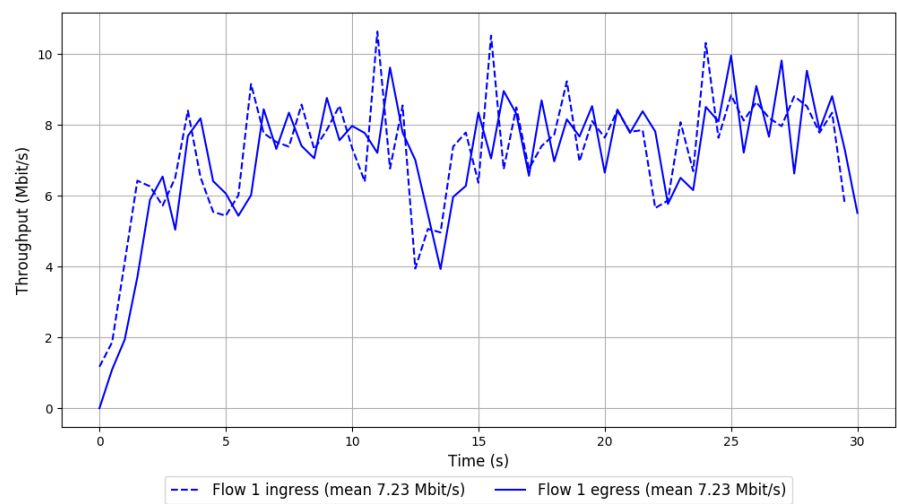


Run 8: Statistics of Sprout

Start at: 2018-07-20 16:54:48
End at: 2018-07-20 16:55:18
Local clock offset: -0.251 ms
Remote clock offset: 1.161 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 53.006 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 53.006 ms
Loss rate: 0.36%

Run 8: Report of Sprout — Data Link

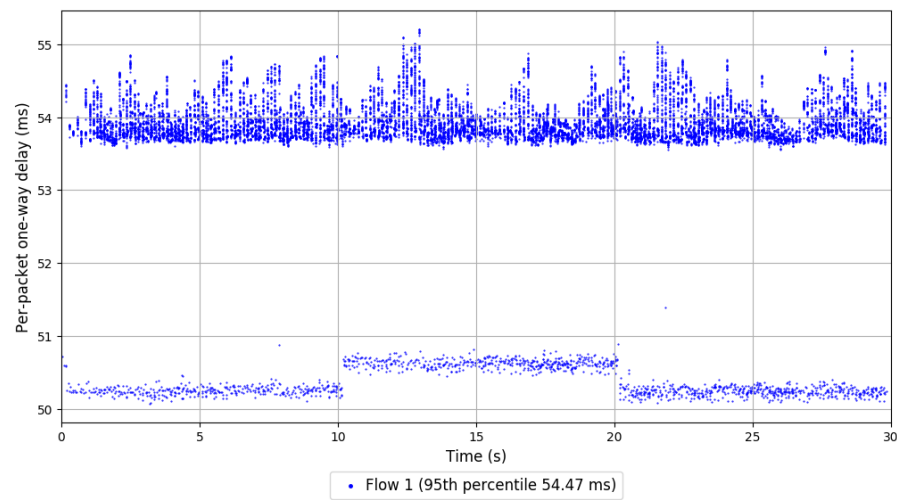
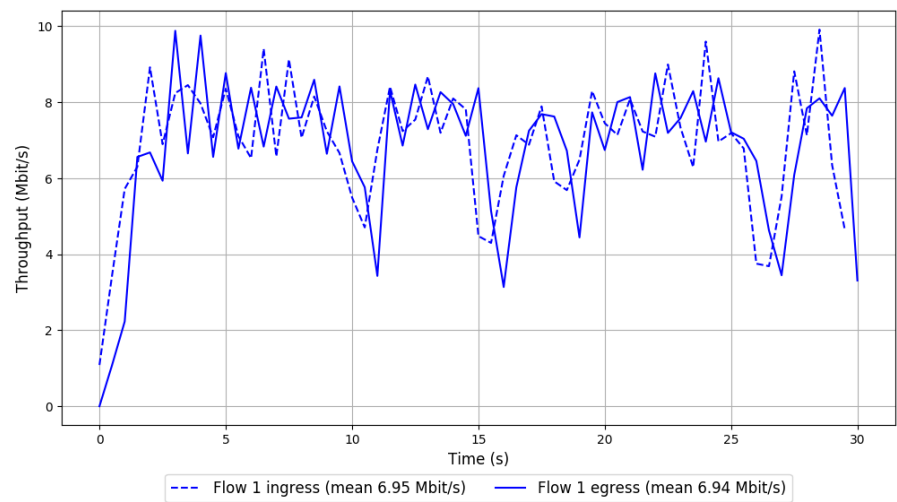


Run 9: Statistics of Sprout

Start at: 2018-07-20 17:16:44
End at: 2018-07-20 17:17:14
Local clock offset: -0.008 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 54.473 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 54.473 ms
Loss rate: 0.38%

Run 9: Report of Sprout — Data Link

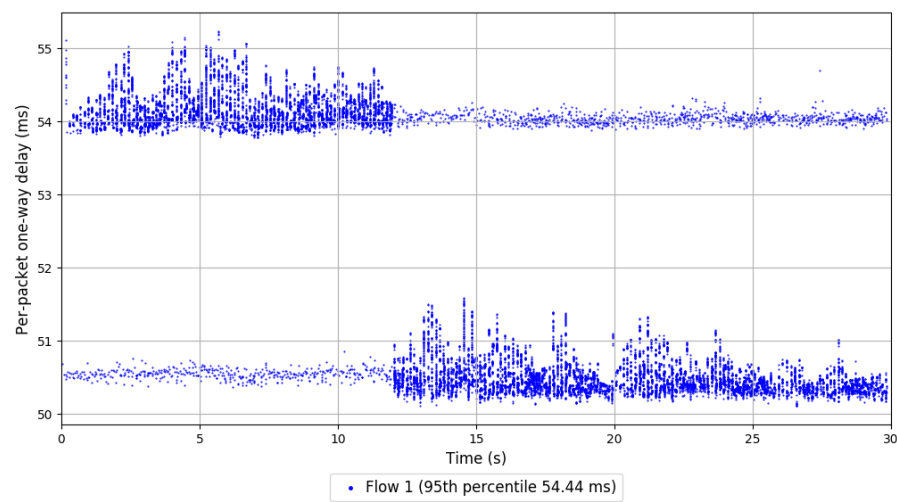
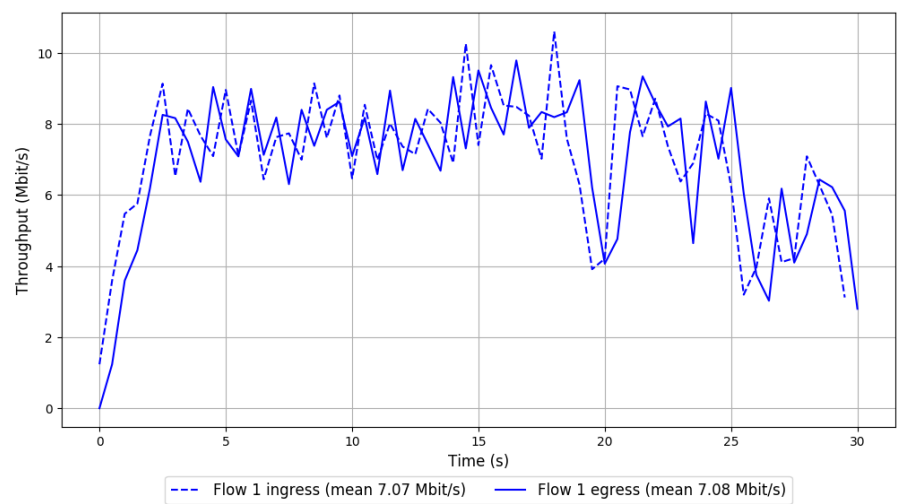


Run 10: Statistics of Sprout

Start at: 2018-07-20 17:39:02
End at: 2018-07-20 17:39:32
Local clock offset: -0.096 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-07-20 19:44:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 54.435 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 54.435 ms
Loss rate: 0.22%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-20 14:35:57

End at: 2018-07-20 14:36:27

Local clock offset: 0.0 ms

Remote clock offset: -1.261 ms

Below is generated by plot.py at 2018-07-20 19:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.68 Mbit/s

95th percentile per-packet one-way delay: 55.020 ms

Loss rate: 0.04%

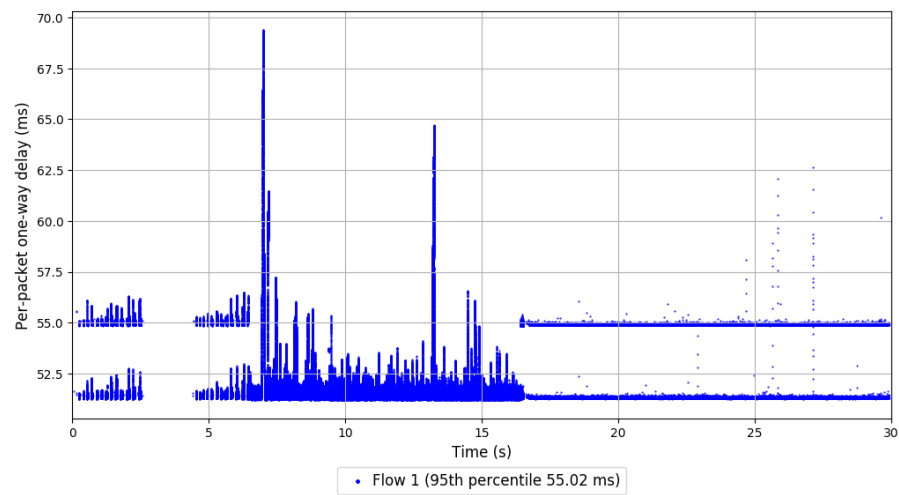
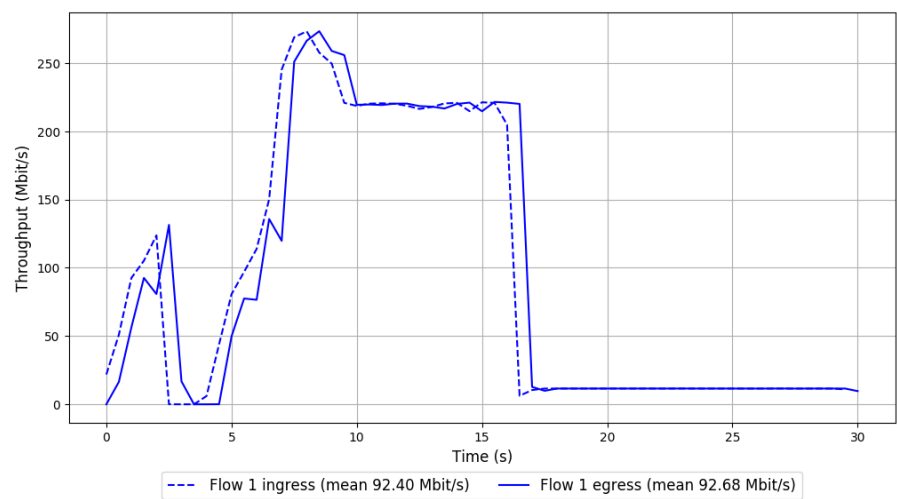
-- Flow 1:

Average throughput: 92.68 Mbit/s

95th percentile per-packet one-way delay: 55.020 ms

Loss rate: 0.04%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-20 14:57:22

End at: 2018-07-20 14:57:52

Local clock offset: -0.039 ms

Remote clock offset: 0.986 ms

Below is generated by plot.py at 2018-07-20 19:44:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.01 Mbit/s

95th percentile per-packet one-way delay: 52.872 ms

Loss rate: 0.02%

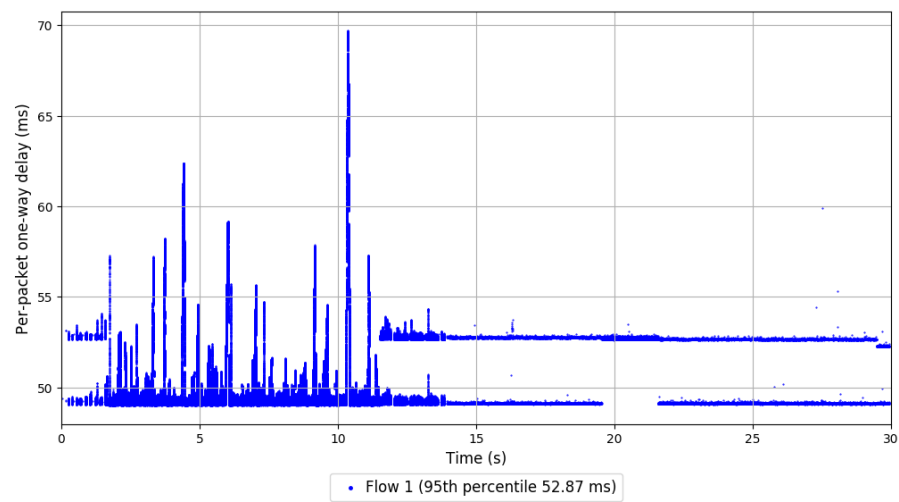
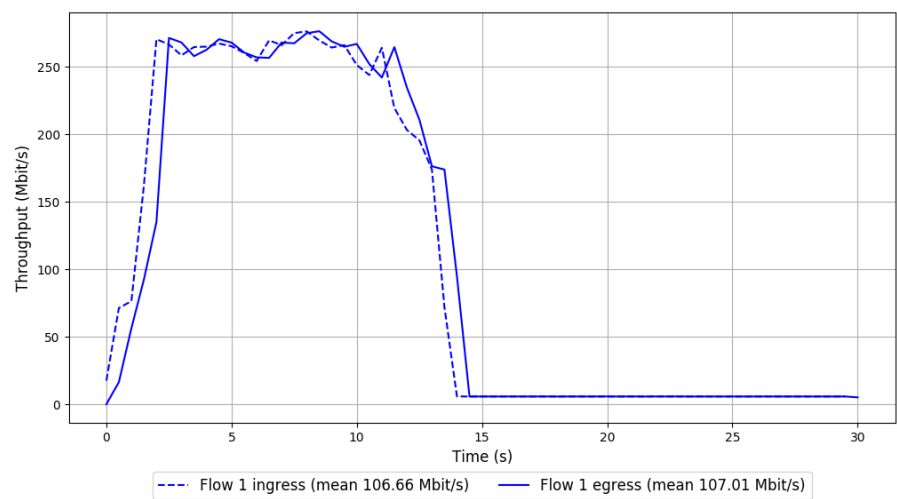
-- Flow 1:

Average throughput: 107.01 Mbit/s

95th percentile per-packet one-way delay: 52.872 ms

Loss rate: 0.02%

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



Run 3: Statistics of TaoVA-100x

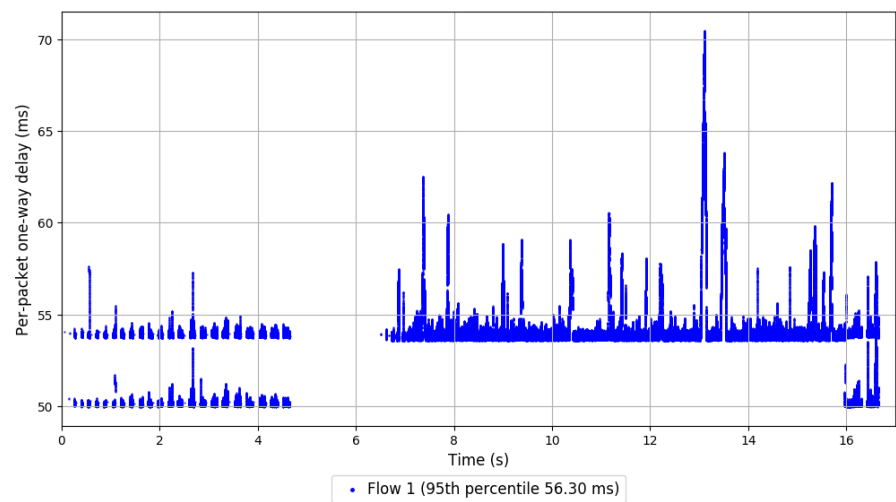
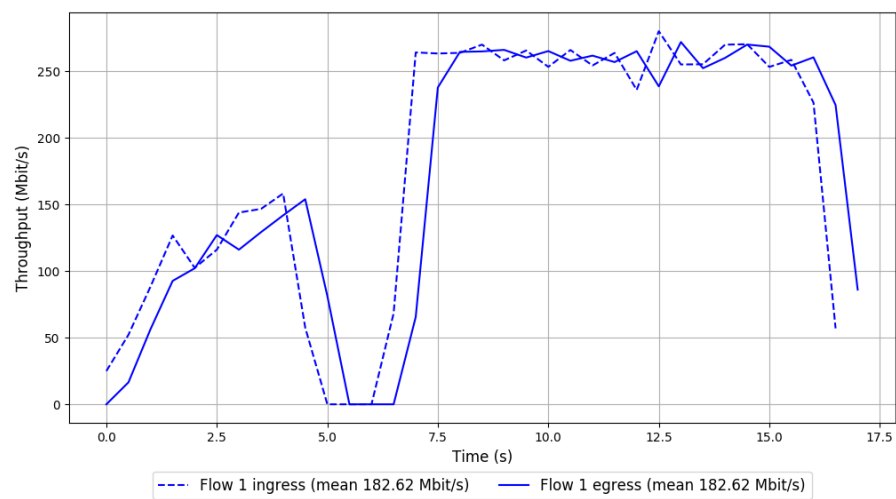
Start at: 2018-07-20 15:19:08

End at: 2018-07-20 15:19:38

Local clock offset: -0.136 ms

Remote clock offset: -0.129 ms

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-20 15:41:10

End at: 2018-07-20 15:41:41

Local clock offset: -0.021 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-20 19:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.32 Mbit/s

95th percentile per-packet one-way delay: 54.384 ms

Loss rate: 0.37%

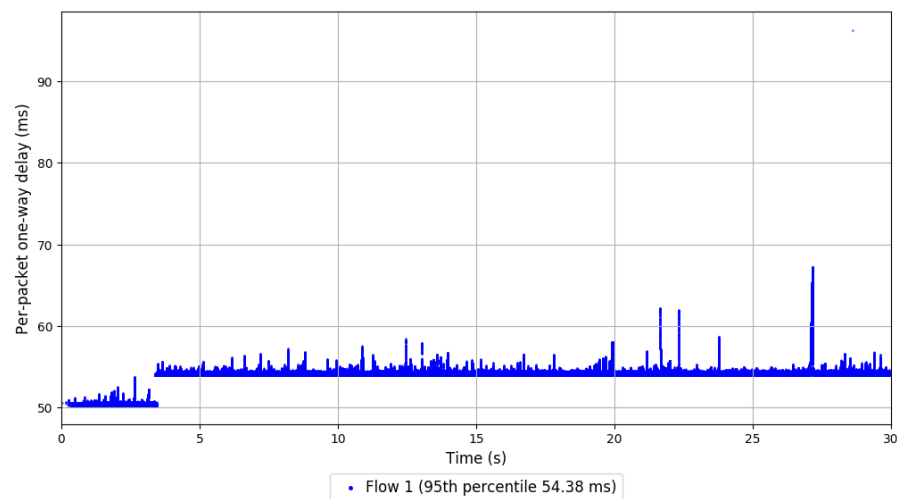
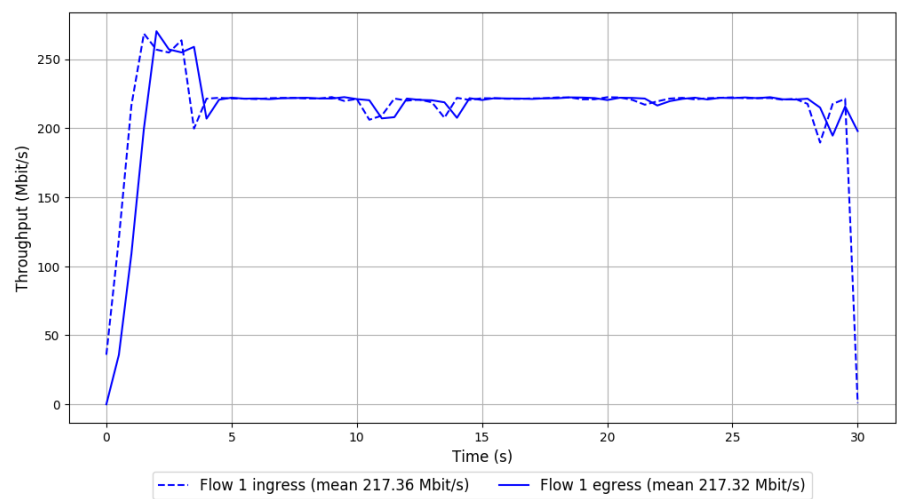
-- Flow 1:

Average throughput: 217.32 Mbit/s

95th percentile per-packet one-way delay: 54.384 ms

Loss rate: 0.37%

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



Run 5: Statistics of TaoVA-100x

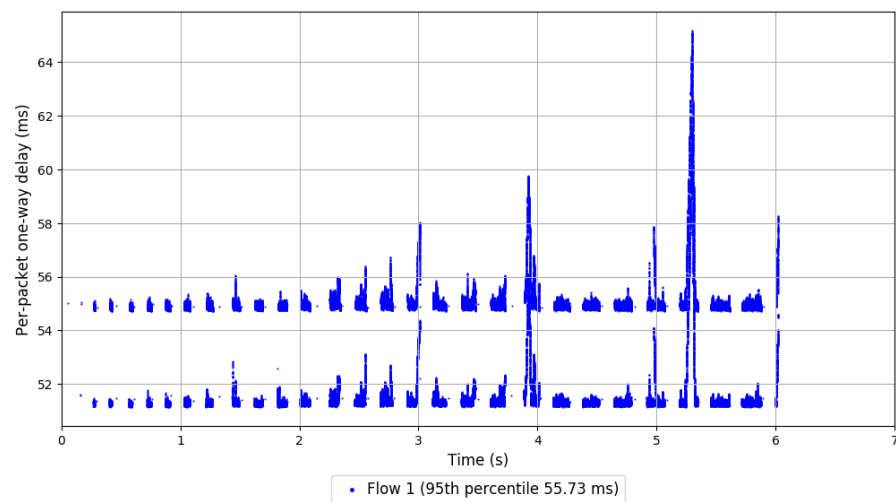
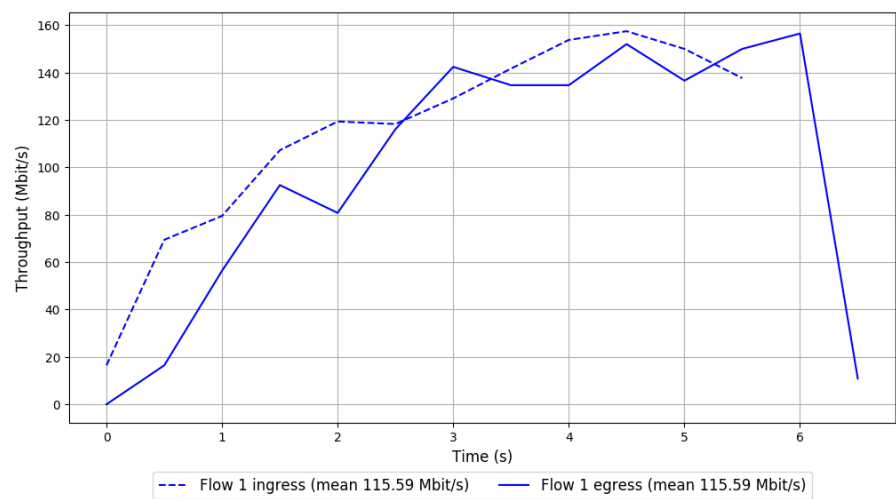
Start at: 2018-07-20 16:03:13

End at: 2018-07-20 16:03:43

Local clock offset: -0.265 ms

Remote clock offset: -1.324 ms

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-20 16:25:08

End at: 2018-07-20 16:25:38

Local clock offset: -0.162 ms

Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-20 19:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 53.768 ms

Loss rate: 0.13%

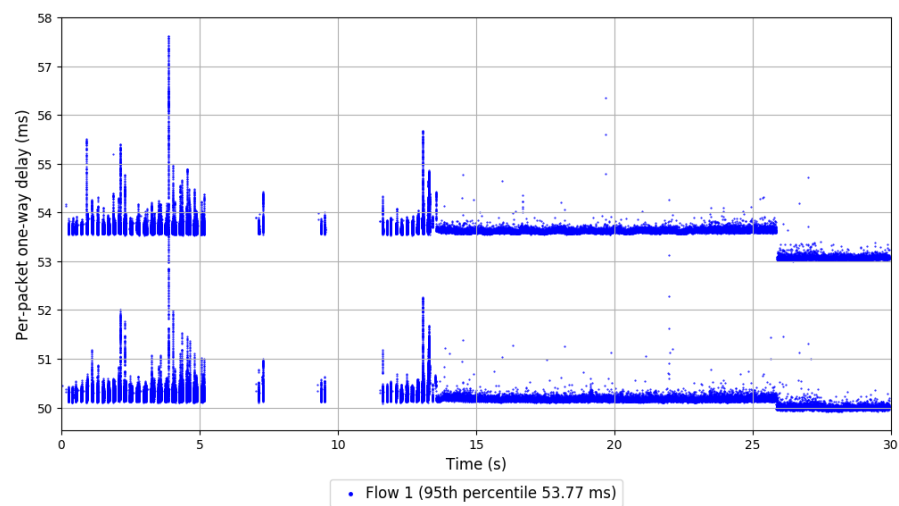
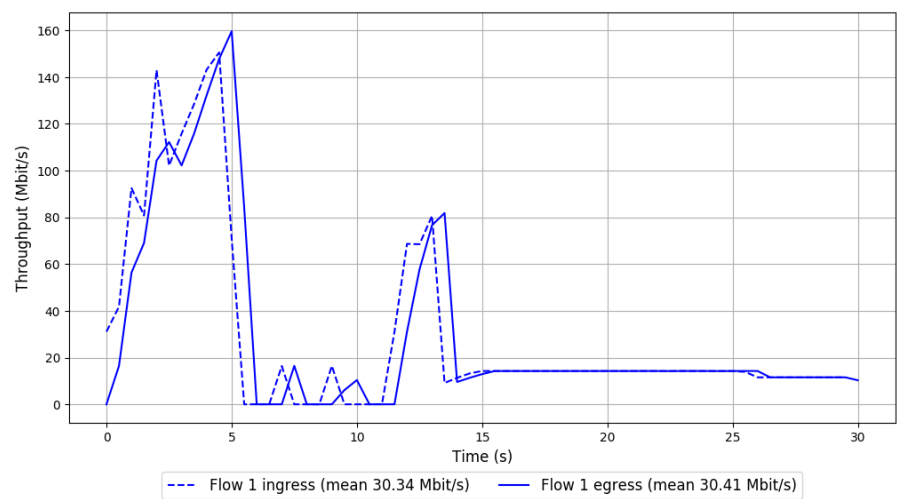
-- Flow 1:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 53.768 ms

Loss rate: 0.13%

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



Run 7: Statistics of TaoVA-100x

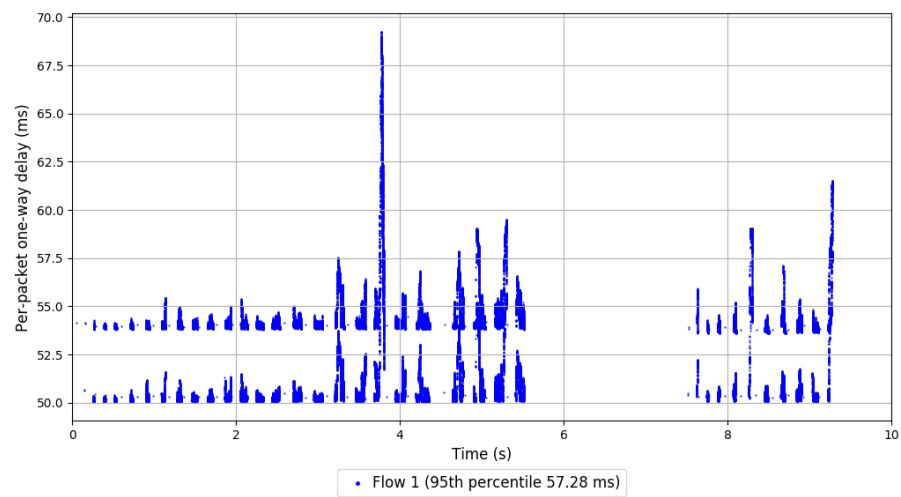
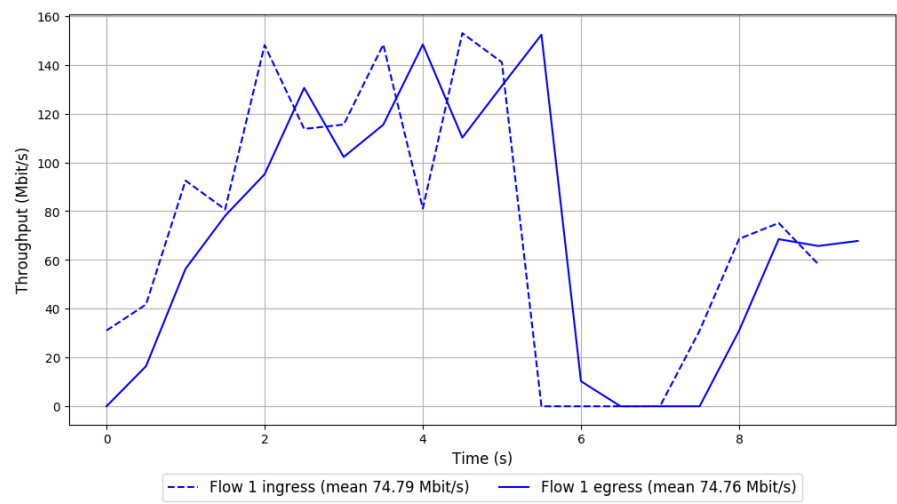
Start at: 2018-07-20 16:47:07

End at: 2018-07-20 16:47:37

Local clock offset: -0.065 ms

Remote clock offset: -0.265 ms

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



Run 8: Statistics of TaoVA-100x

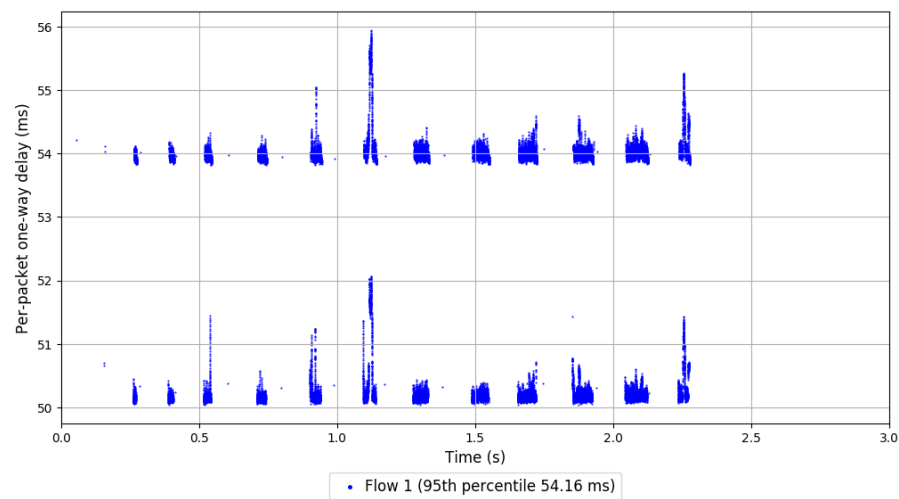
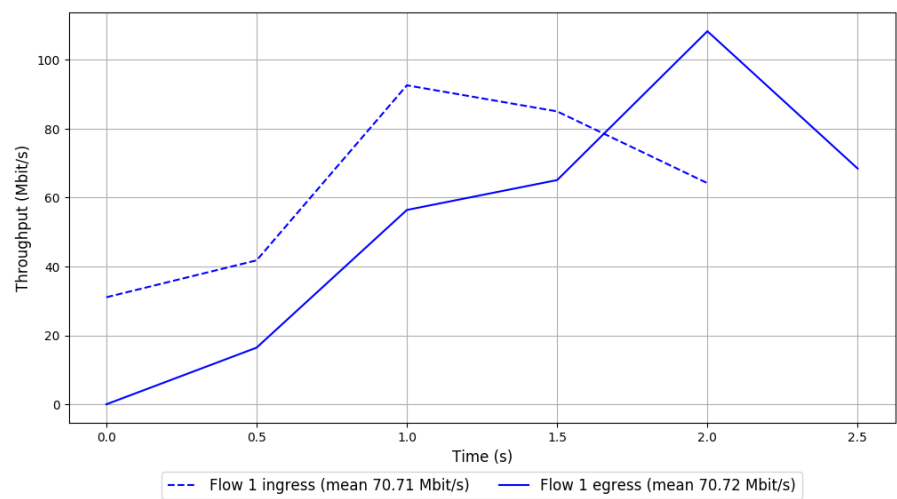
Start at: 2018-07-20 17:09:02

End at: 2018-07-20 17:09:32

Local clock offset: -0.002 ms

Remote clock offset: -0.272 ms

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-20 17:31:04

End at: 2018-07-20 17:31:34

Local clock offset: -0.279 ms

Remote clock offset: 1.025 ms

Below is generated by plot.py at 2018-07-20 19:46:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.38 Mbit/s

95th percentile per-packet one-way delay: 54.319 ms

Loss rate: 0.12%

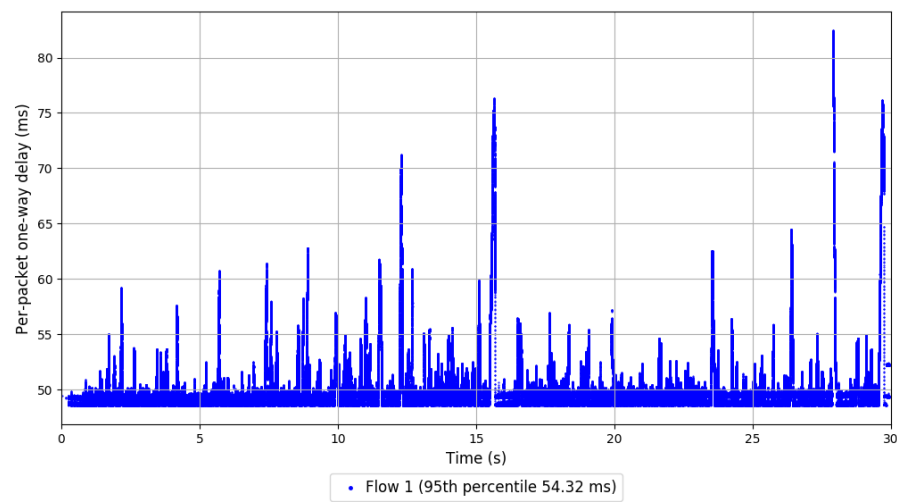
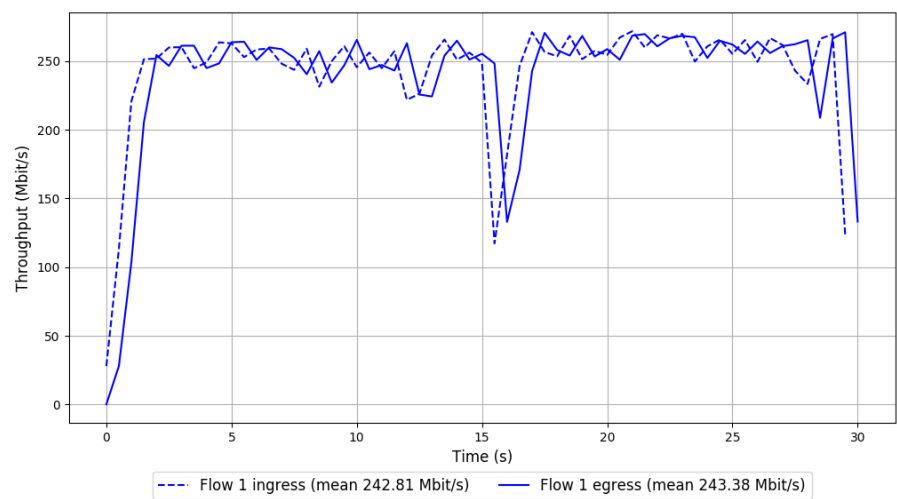
-- Flow 1:

Average throughput: 243.38 Mbit/s

95th percentile per-packet one-way delay: 54.319 ms

Loss rate: 0.12%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-20 17:53:33

End at: 2018-07-20 17:54:03

Local clock offset: -0.05 ms

Remote clock offset: -1.476 ms

Below is generated by plot.py at 2018-07-20 19:46:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 55.192 ms

Loss rate: 0.19%

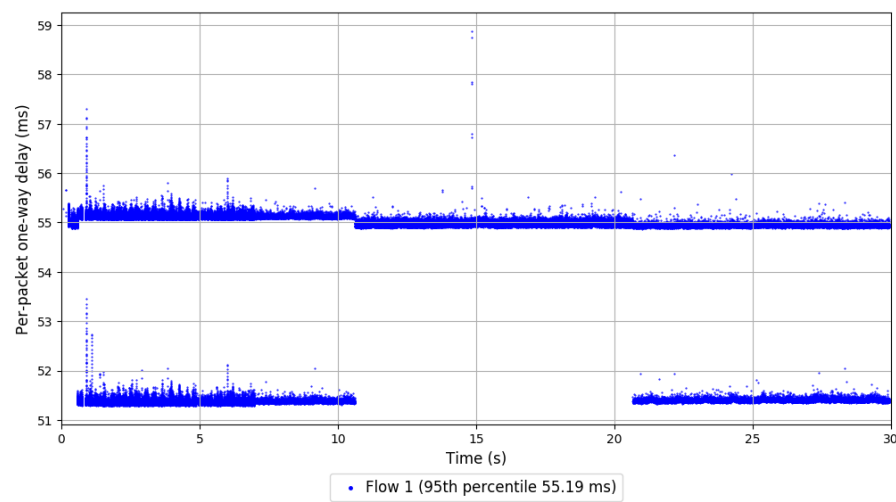
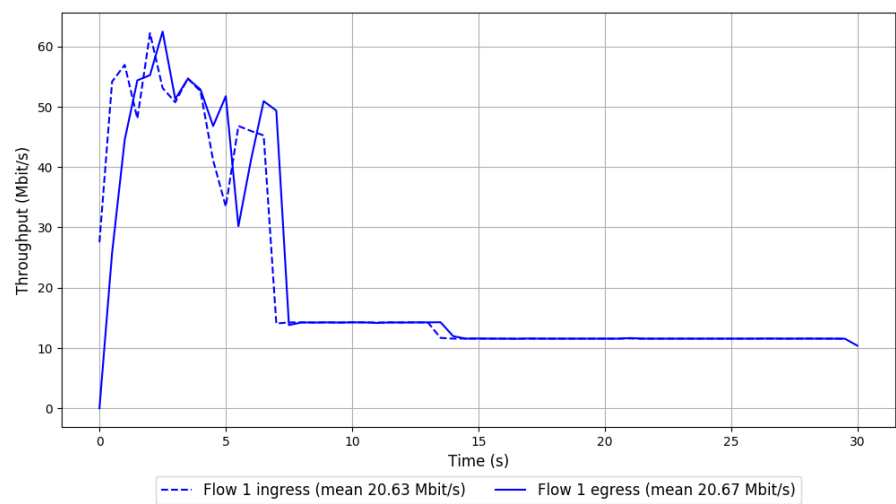
-- Flow 1:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 55.192 ms

Loss rate: 0.19%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-20 14:23:03

End at: 2018-07-20 14:23:33

Local clock offset: 0.047 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-07-20 19:46:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.01 Mbit/s

95th percentile per-packet one-way delay: 63.665 ms

Loss rate: 0.12%

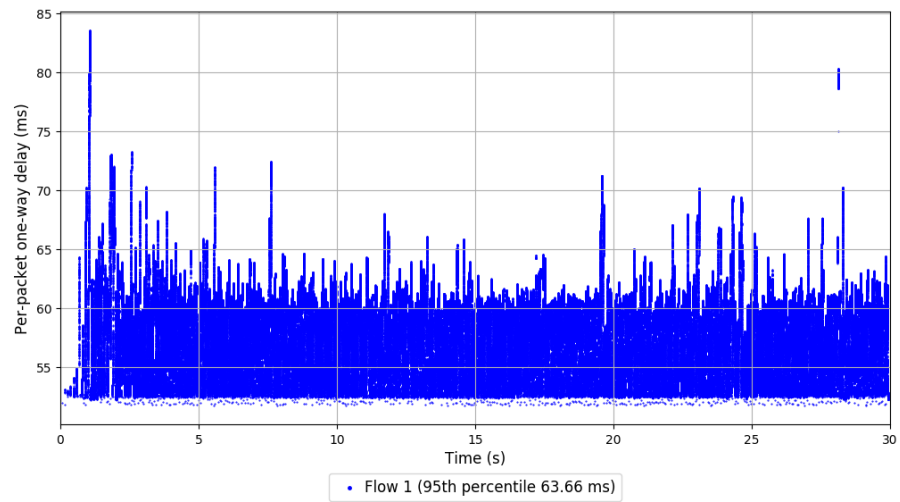
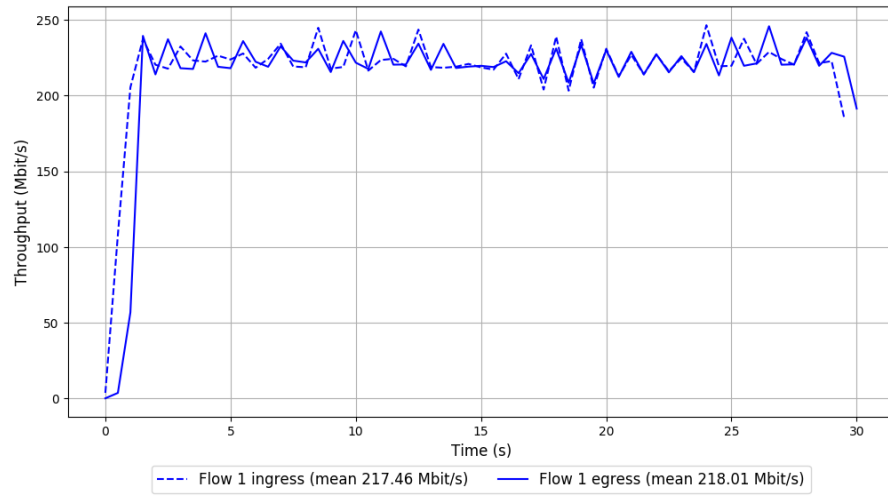
-- Flow 1:

Average throughput: 218.01 Mbit/s

95th percentile per-packet one-way delay: 63.665 ms

Loss rate: 0.12%

Run 1: Report of TCP Vegas — Data Link

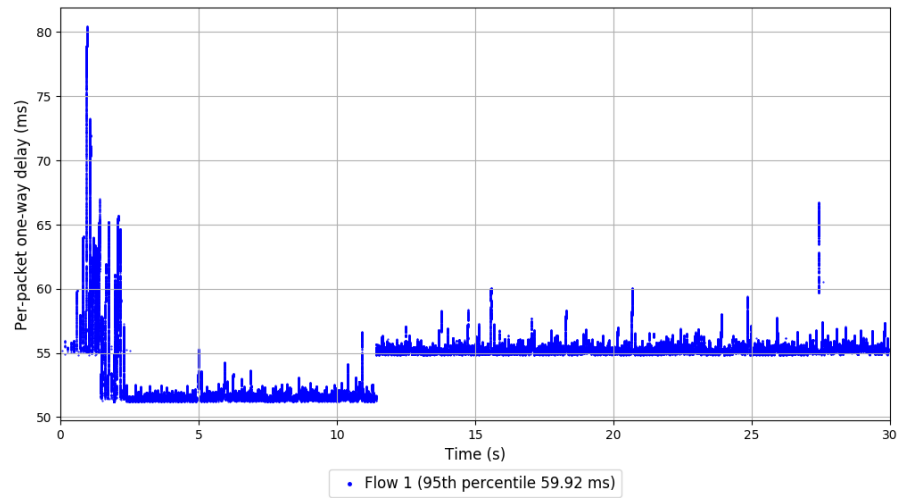
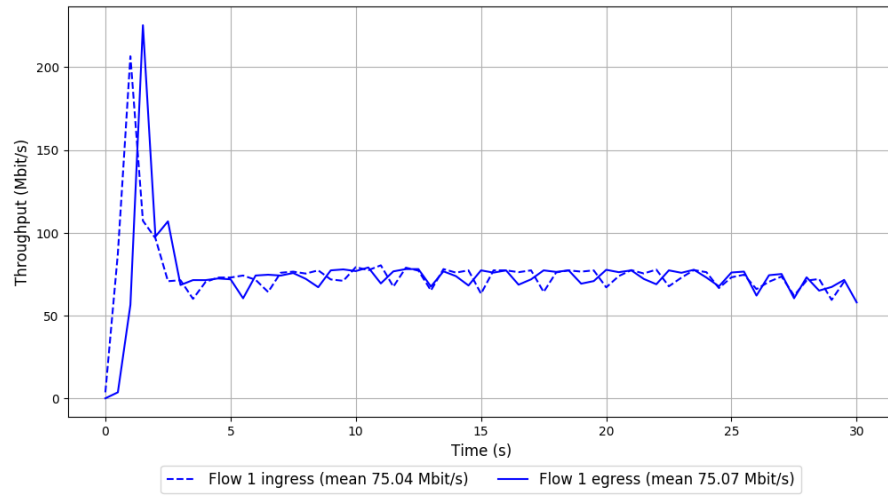


Run 2: Statistics of TCP Vegas

Start at: 2018-07-20 14:44:42
End at: 2018-07-20 14:45:13
Local clock offset: -0.154 ms
Remote clock offset: -1.381 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 59.917 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 59.917 ms
Loss rate: 0.32%

Run 2: Report of TCP Vegas — Data Link

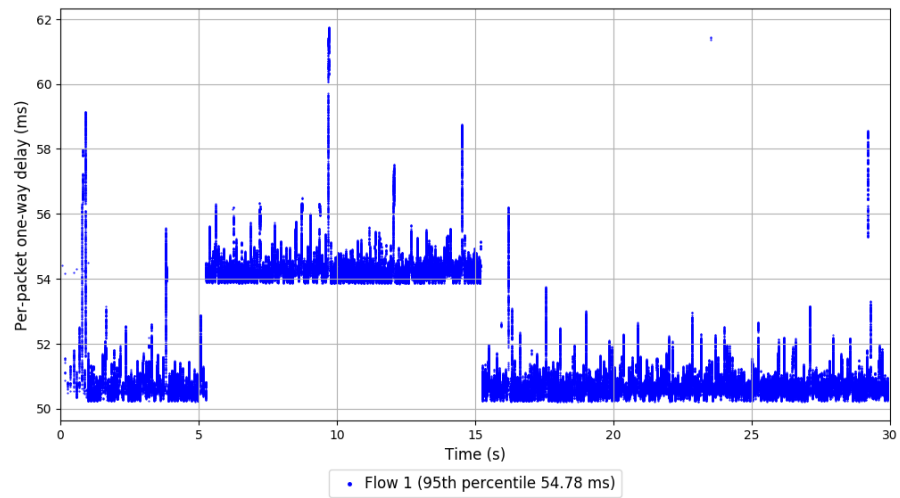
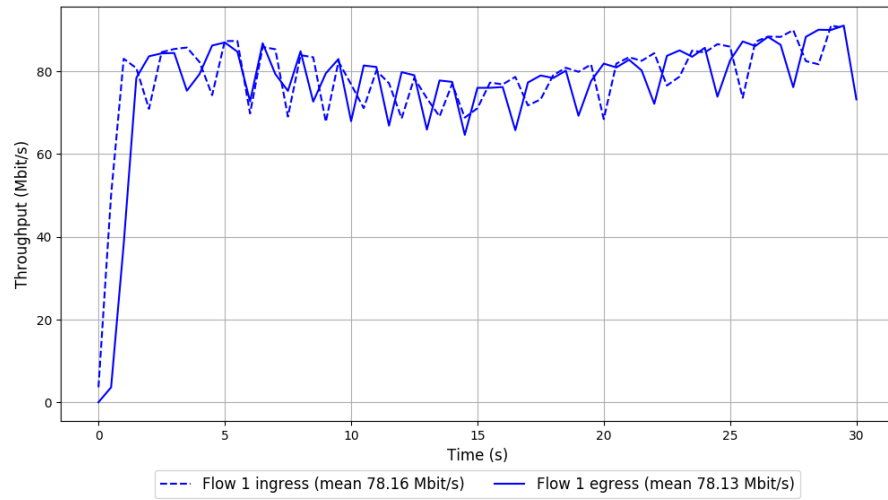


Run 3: Statistics of TCP Vegas

Start at: 2018-07-20 15:06:09
End at: 2018-07-20 15:06:39
Local clock offset: 0.022 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.13 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 78.13 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 0.39%

Run 3: Report of TCP Vegas — Data Link

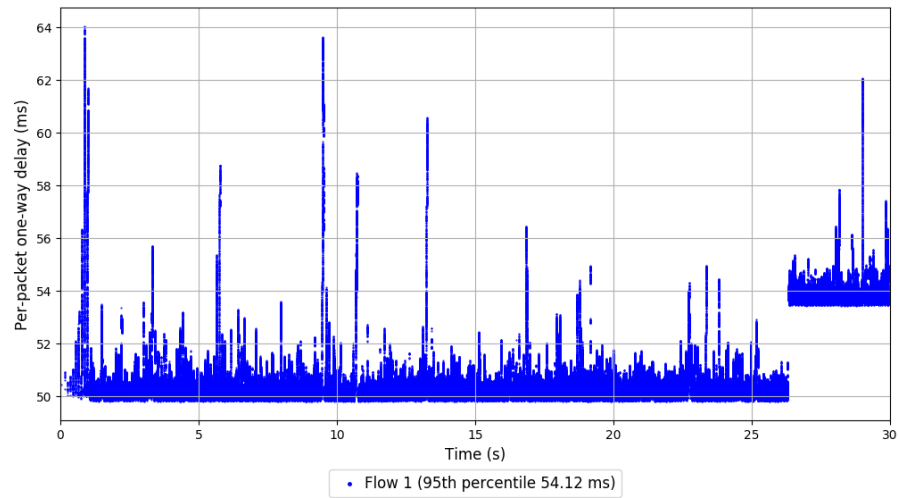
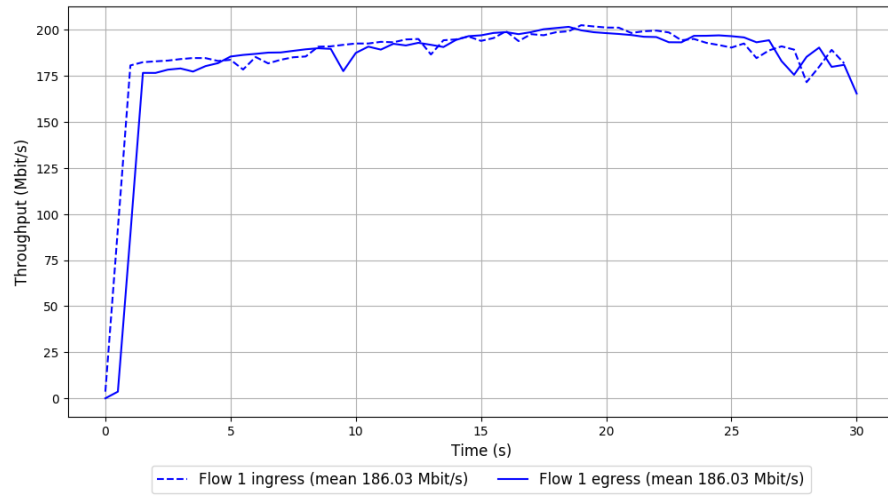


Run 4: Statistics of TCP Vegas

Start at: 2018-07-20 15:27:58
End at: 2018-07-20 15:28:28
Local clock offset: -0.218 ms
Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.03 Mbit/s
95th percentile per-packet one-way delay: 54.121 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 186.03 Mbit/s
95th percentile per-packet one-way delay: 54.121 ms
Loss rate: 0.34%

Run 4: Report of TCP Vegas — Data Link

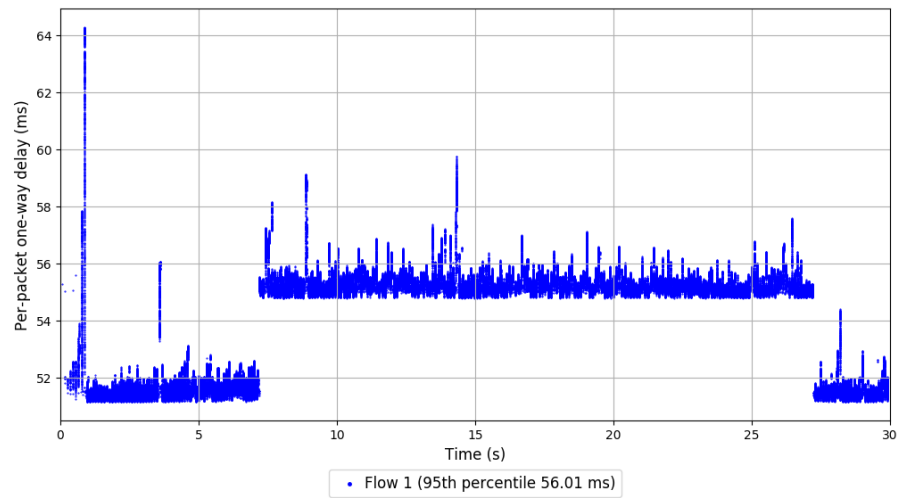
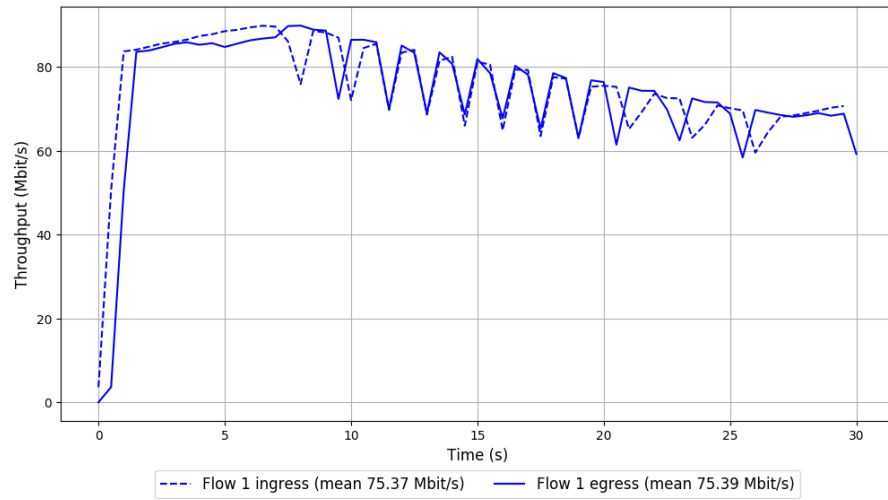


Run 5: Statistics of TCP Vegas

Start at: 2018-07-20 15:50:07
End at: 2018-07-20 15:50:37
Local clock offset: -0.17 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.39 Mbit/s
95th percentile per-packet one-way delay: 56.006 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 75.39 Mbit/s
95th percentile per-packet one-way delay: 56.006 ms
Loss rate: 0.31%

Run 5: Report of TCP Vegas — Data Link

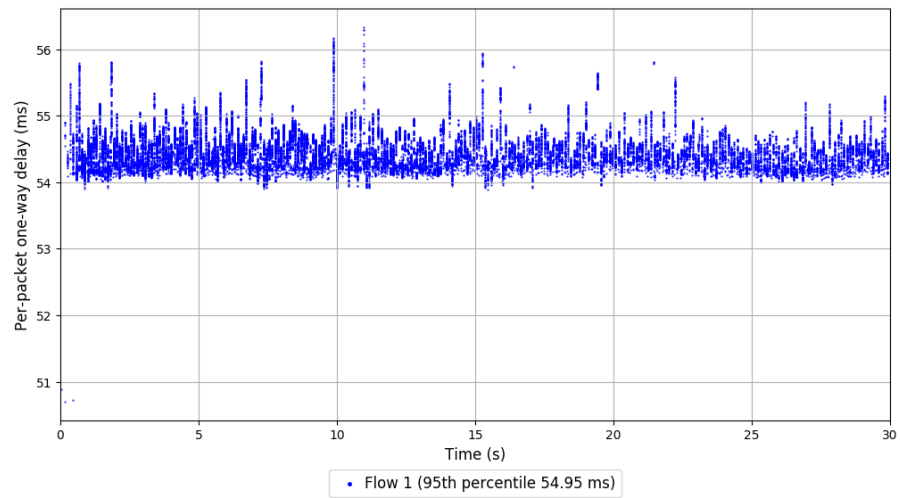
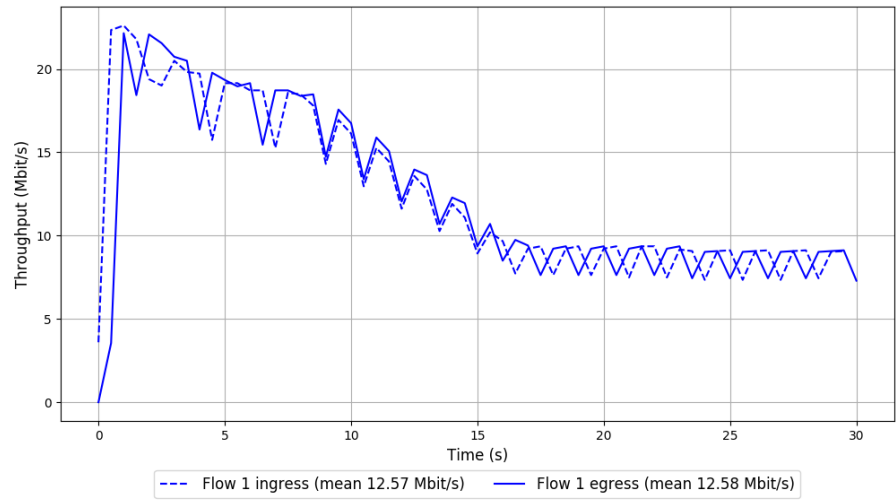


Run 6: Statistics of TCP Vegas

Start at: 2018-07-20 16:11:58
End at: 2018-07-20 16:12:28
Local clock offset: -0.077 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 54.950 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 54.950 ms
Loss rate: 0.24%

Run 6: Report of TCP Vegas — Data Link

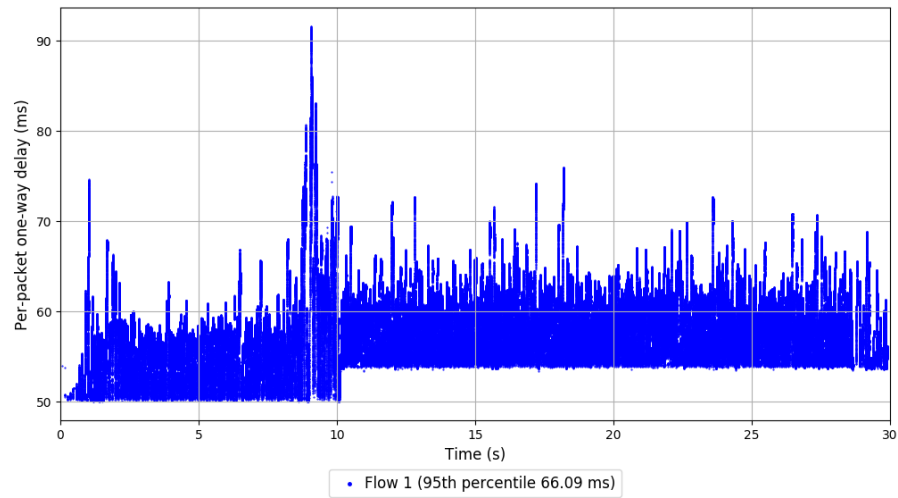
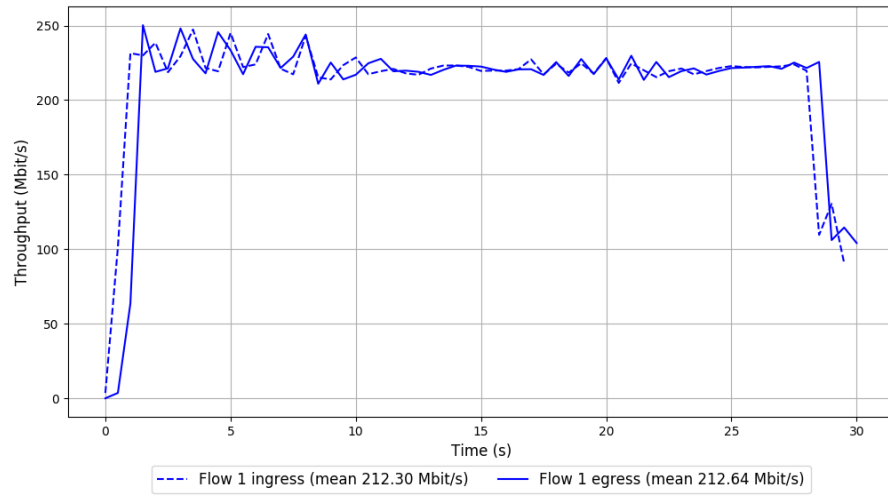


Run 7: Statistics of TCP Vegas

Start at: 2018-07-20 16:33:54
End at: 2018-07-20 16:34:24
Local clock offset: -0.004 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.64 Mbit/s
95th percentile per-packet one-way delay: 66.094 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 212.64 Mbit/s
95th percentile per-packet one-way delay: 66.094 ms
Loss rate: 0.20%

Run 7: Report of TCP Vegas — Data Link

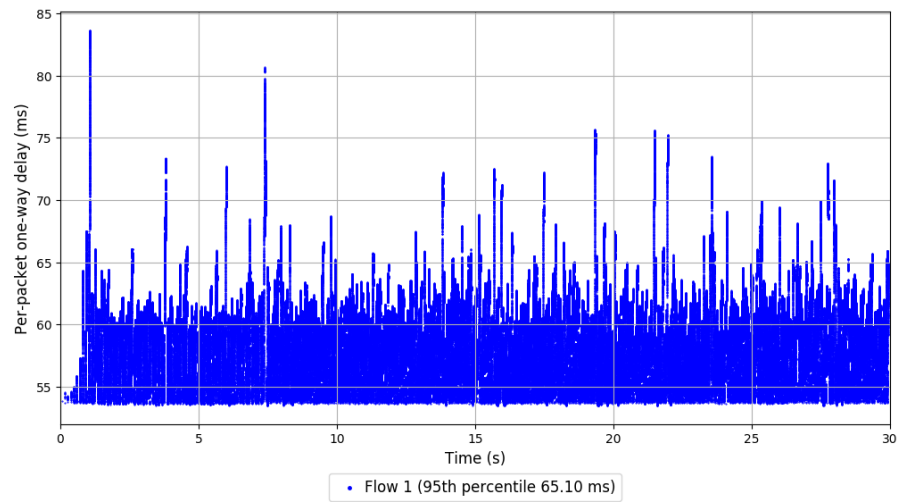
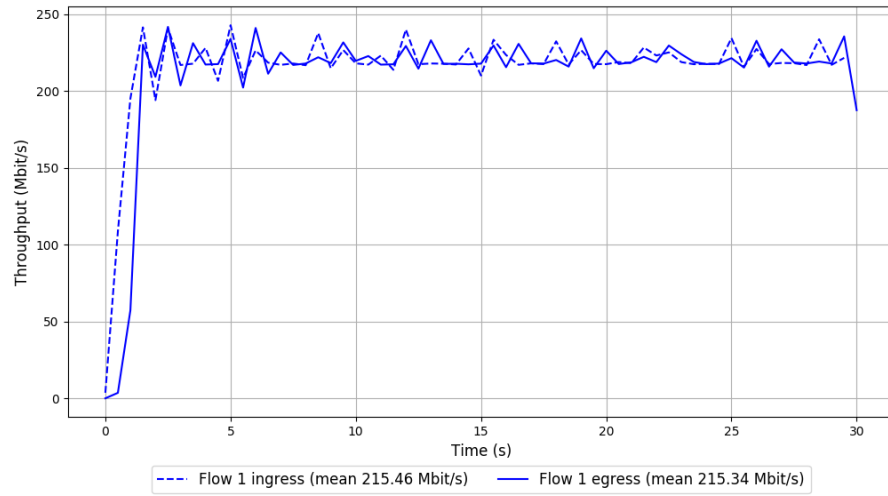


Run 8: Statistics of TCP Vegas

Start at: 2018-07-20 16:55:54
End at: 2018-07-20 16:56:24
Local clock offset: -0.198 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.34 Mbit/s
95th percentile per-packet one-way delay: 65.098 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 215.34 Mbit/s
95th percentile per-packet one-way delay: 65.098 ms
Loss rate: 0.41%

Run 8: Report of TCP Vegas — Data Link

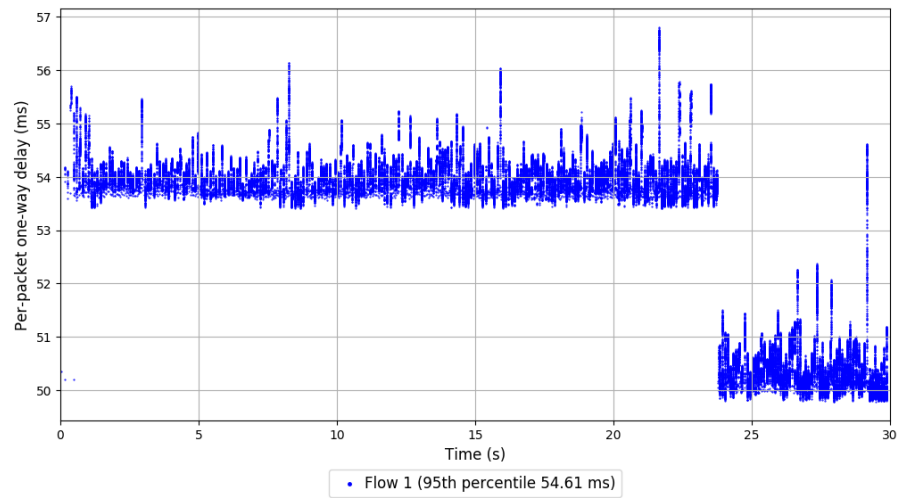
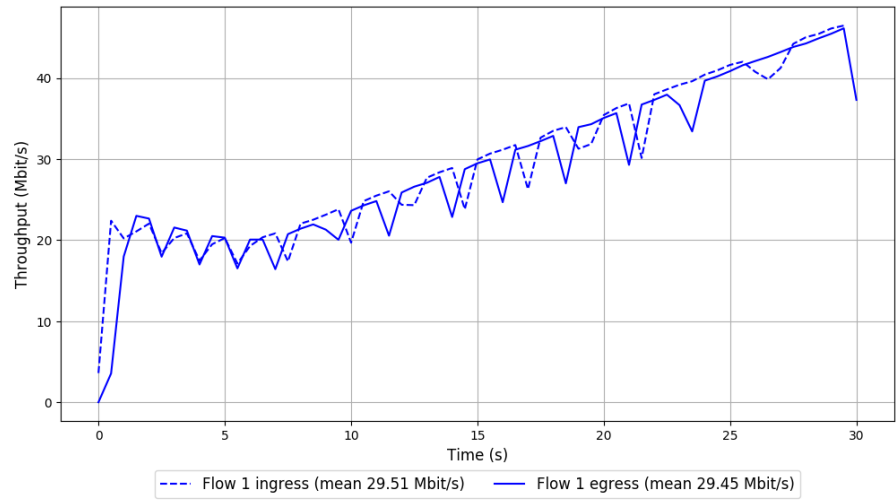


Run 9: Statistics of TCP Vegas

Start at: 2018-07-20 17:17:50
End at: 2018-07-20 17:18:20
Local clock offset: -0.135 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 54.611 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 54.611 ms
Loss rate: 0.53%

Run 9: Report of TCP Vegas — Data Link

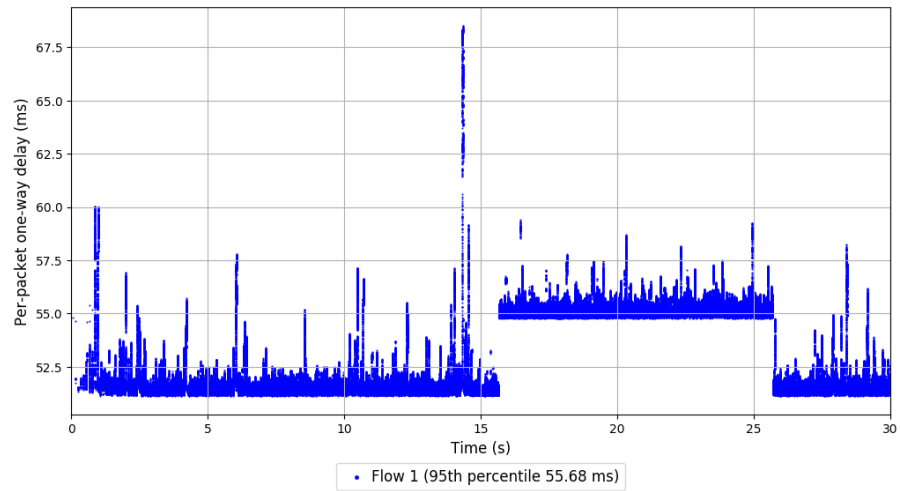
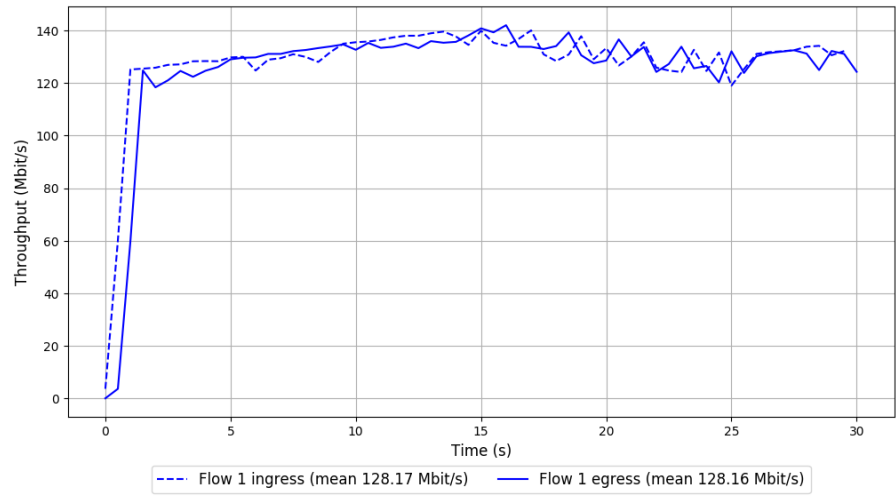


Run 10: Statistics of TCP Vegas

Start at: 2018-07-20 17:40:08
End at: 2018-07-20 17:40:38
Local clock offset: -0.088 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-07-20 19:46:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.16 Mbit/s
95th percentile per-packet one-way delay: 55.678 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 128.16 Mbit/s
95th percentile per-packet one-way delay: 55.678 ms
Loss rate: 0.35%

Run 10: Report of TCP Vegas — Data Link

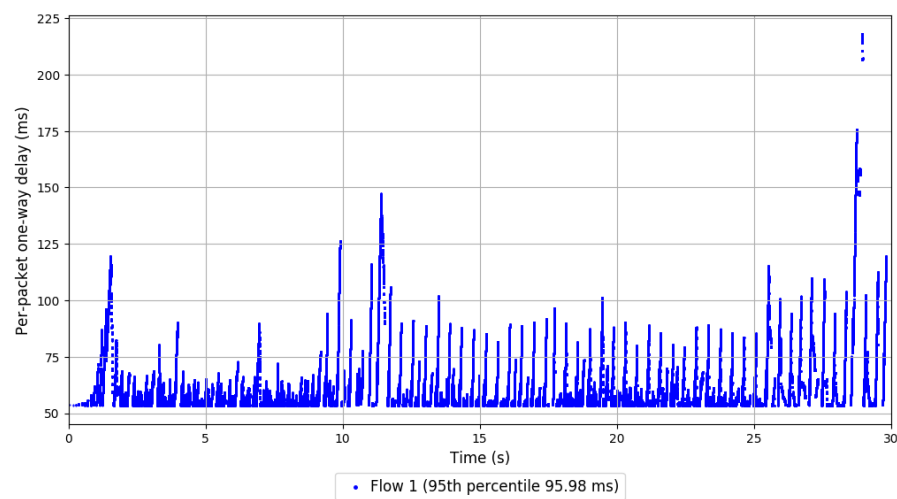
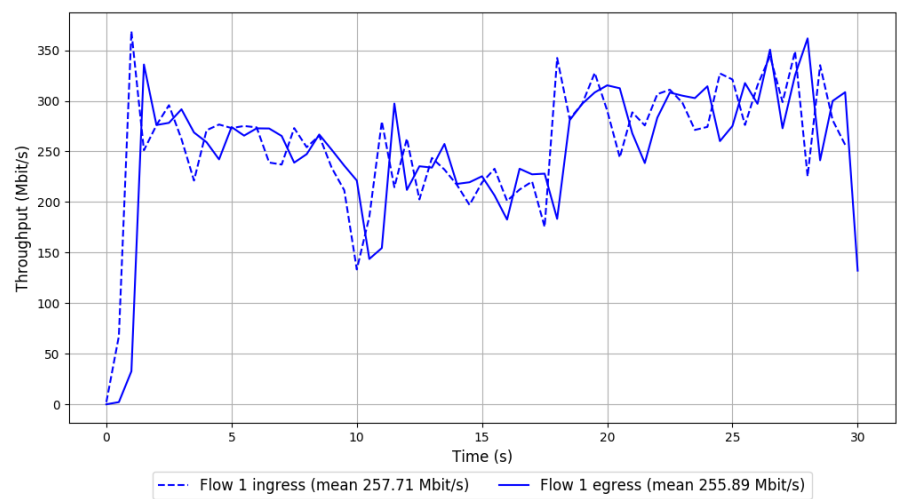


Run 1: Statistics of Verus

Start at: 2018-07-20 14:29:24
End at: 2018-07-20 14:29:54
Local clock offset: -0.251 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-20 19:47:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.89 Mbit/s
95th percentile per-packet one-way delay: 95.977 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 255.89 Mbit/s
95th percentile per-packet one-way delay: 95.977 ms
Loss rate: 1.06%

Run 1: Report of Verus — Data Link

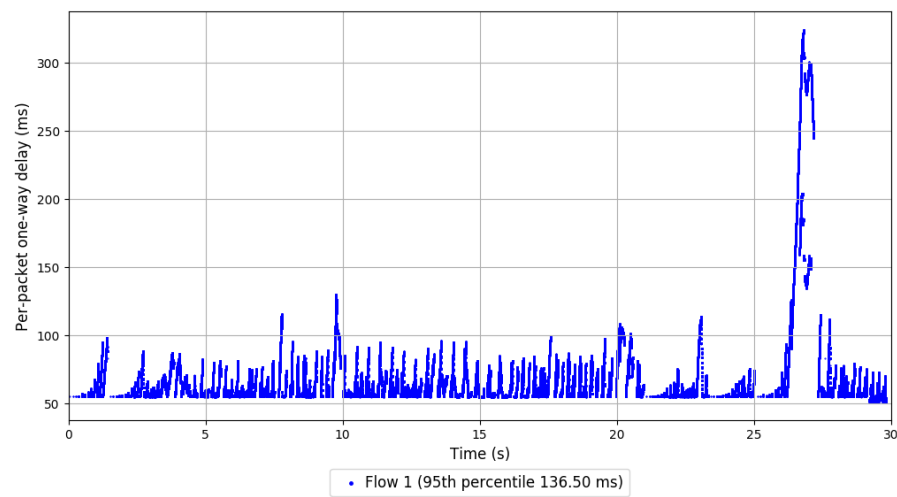
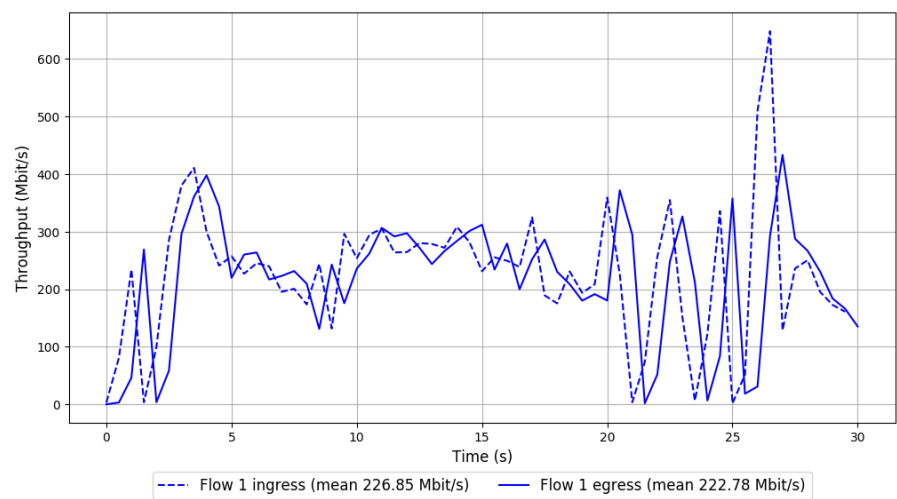


Run 2: Statistics of Verus

Start at: 2018-07-20 14:50:55
End at: 2018-07-20 14:51:25
Local clock offset: 0.006 ms
Remote clock offset: -1.413 ms

Below is generated by plot.py at 2018-07-20 19:48:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.78 Mbit/s
95th percentile per-packet one-way delay: 136.499 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 222.78 Mbit/s
95th percentile per-packet one-way delay: 136.499 ms
Loss rate: 2.40%

Run 2: Report of Verus — Data Link

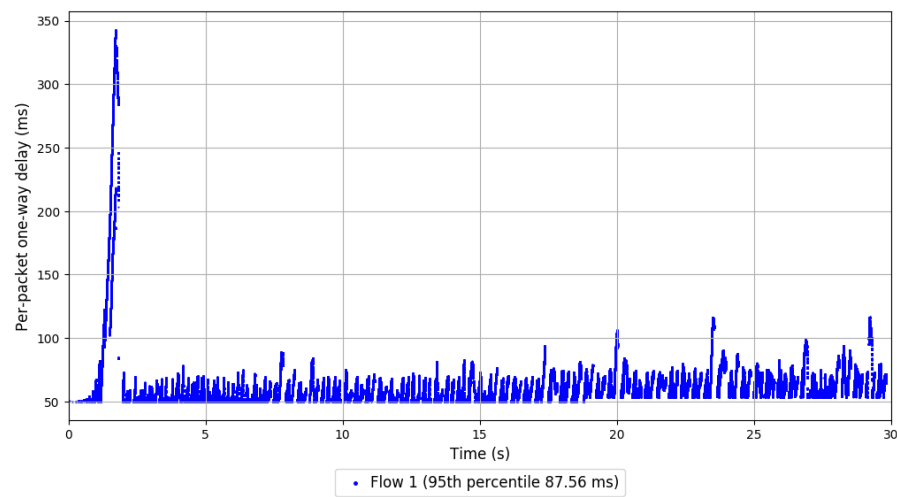
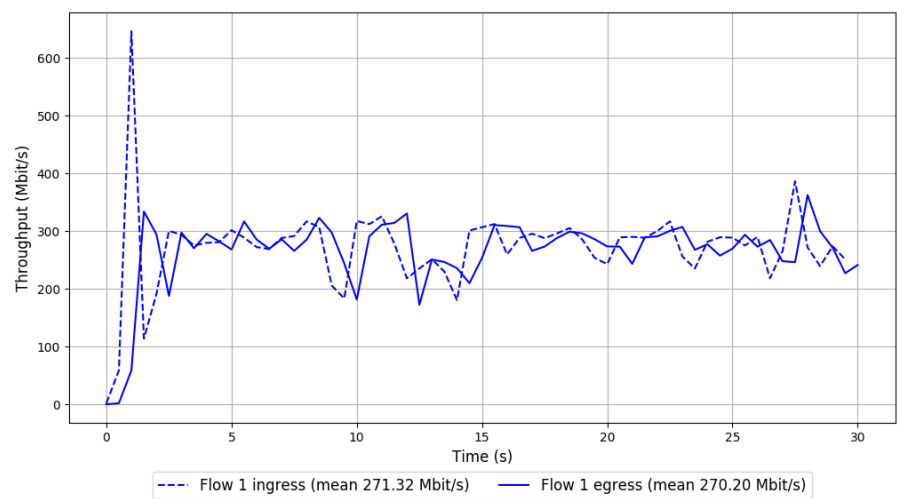


Run 3: Statistics of Verus

Start at: 2018-07-20 15:12:35
End at: 2018-07-20 15:13:05
Local clock offset: -0.186 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-20 19:49:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.20 Mbit/s
95th percentile per-packet one-way delay: 87.560 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 270.20 Mbit/s
95th percentile per-packet one-way delay: 87.560 ms
Loss rate: 1.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-20 15:34:23

End at: 2018-07-20 15:34:53

Local clock offset: 0.022 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-20 19:49:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.13 Mbit/s

95th percentile per-packet one-way delay: 114.505 ms

Loss rate: 2.13%

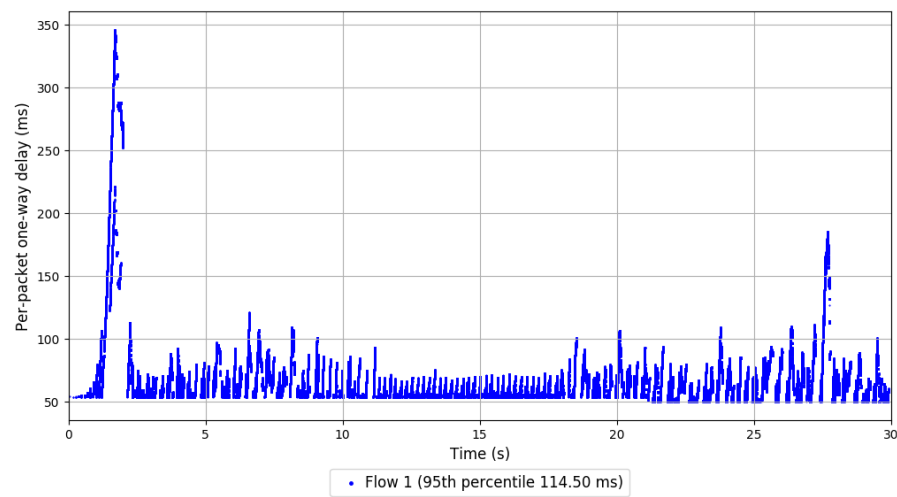
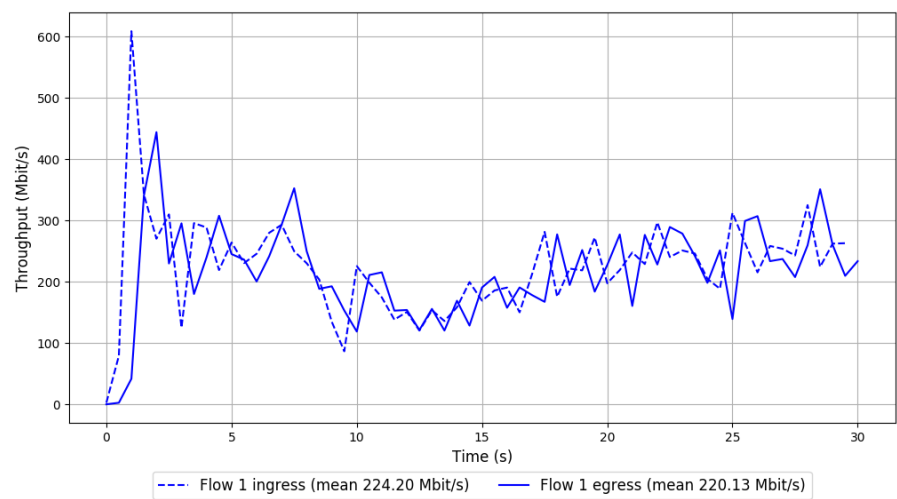
-- Flow 1:

Average throughput: 220.13 Mbit/s

95th percentile per-packet one-way delay: 114.505 ms

Loss rate: 2.13%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-20 15:56:31

End at: 2018-07-20 15:57:01

Local clock offset: -0.113 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-20 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.62 Mbit/s

95th percentile per-packet one-way delay: 96.837 ms

Loss rate: 2.13%

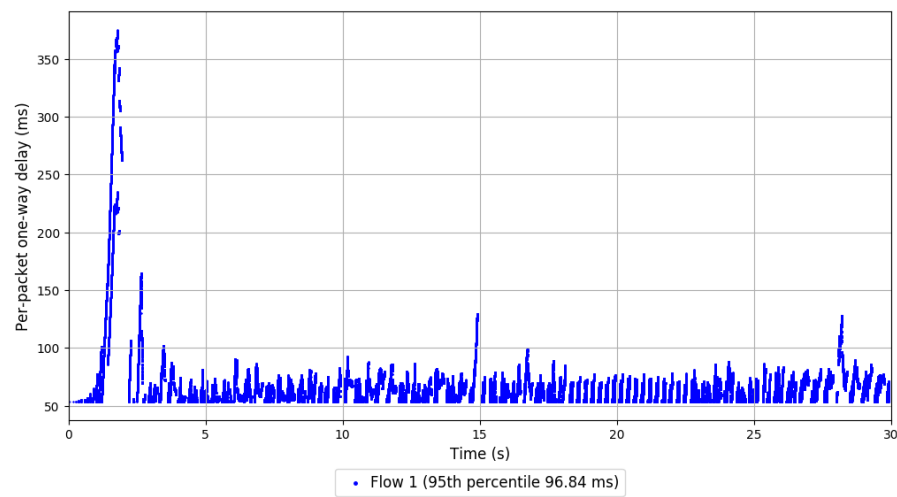
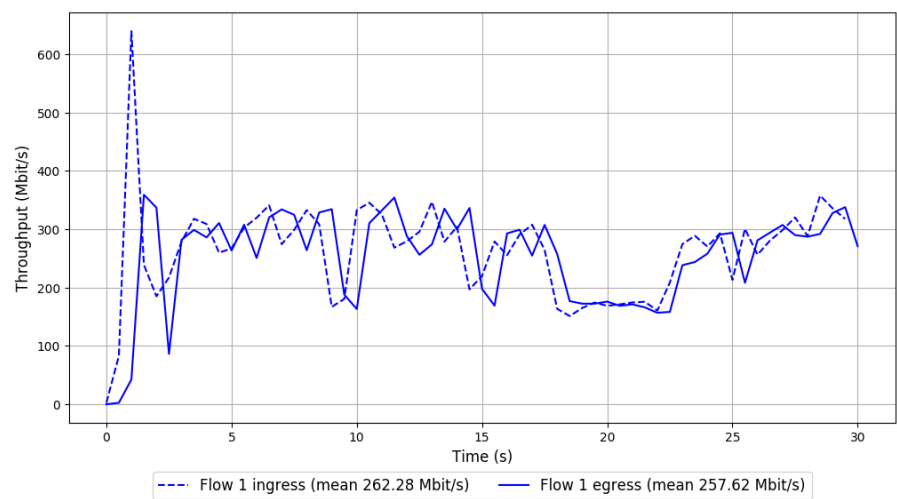
-- Flow 1:

Average throughput: 257.62 Mbit/s

95th percentile per-packet one-way delay: 96.837 ms

Loss rate: 2.13%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-20 16:18:25

End at: 2018-07-20 16:18:55

Local clock offset: 0.007 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-20 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.74 Mbit/s

95th percentile per-packet one-way delay: 112.603 ms

Loss rate: 2.86%

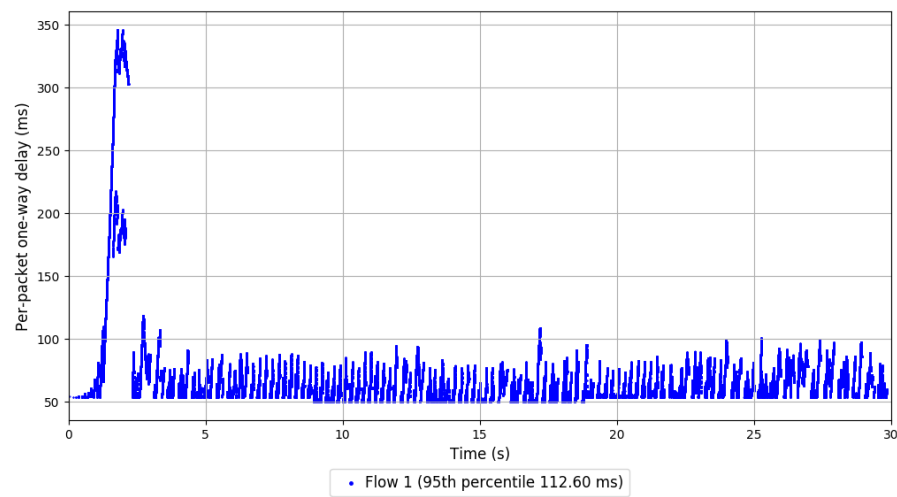
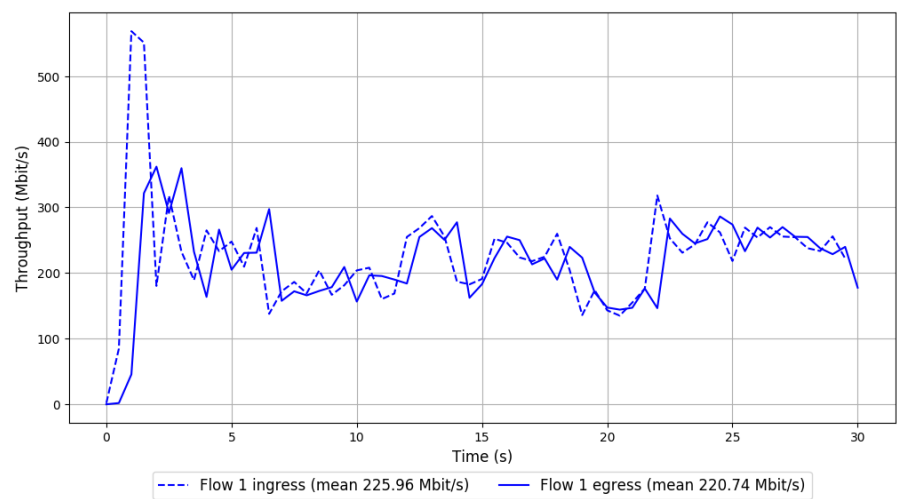
-- Flow 1:

Average throughput: 220.74 Mbit/s

95th percentile per-packet one-way delay: 112.603 ms

Loss rate: 2.86%

Run 6: Report of Verus — Data Link

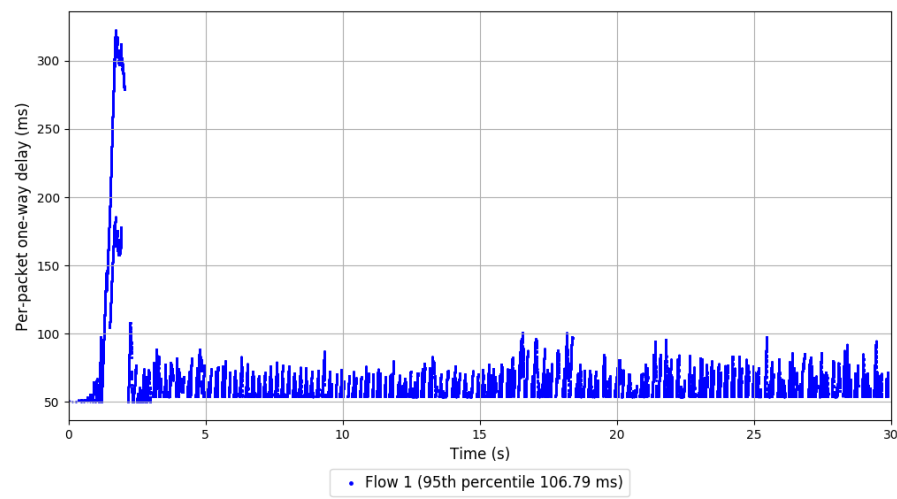
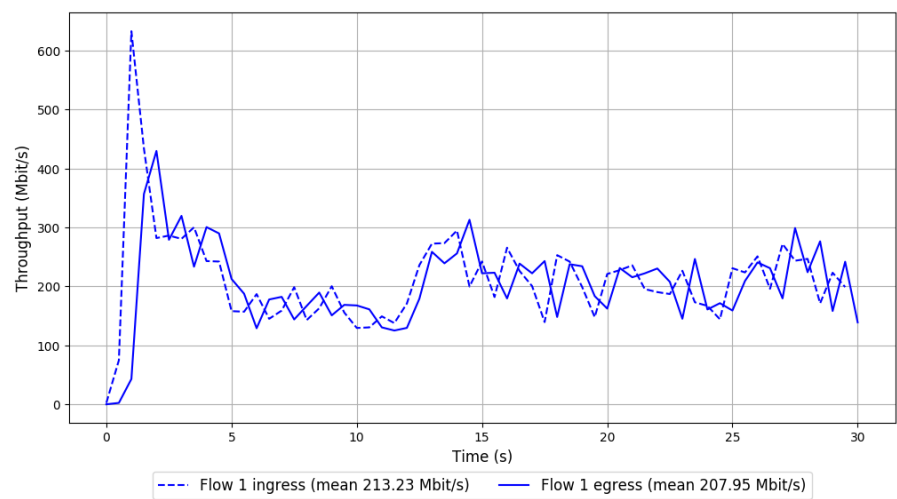


Run 7: Statistics of Verus

Start at: 2018-07-20 16:40:31
End at: 2018-07-20 16:41:01
Local clock offset: -0.036 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-20 19:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.95 Mbit/s
95th percentile per-packet one-way delay: 106.786 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 207.95 Mbit/s
95th percentile per-packet one-way delay: 106.786 ms
Loss rate: 2.78%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-20 17:02:19

End at: 2018-07-20 17:02:49

Local clock offset: 0.146 ms

Remote clock offset: 1.158 ms

Below is generated by plot.py at 2018-07-20 19:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.01 Mbit/s

95th percentile per-packet one-way delay: 219.842 ms

Loss rate: 0.77%

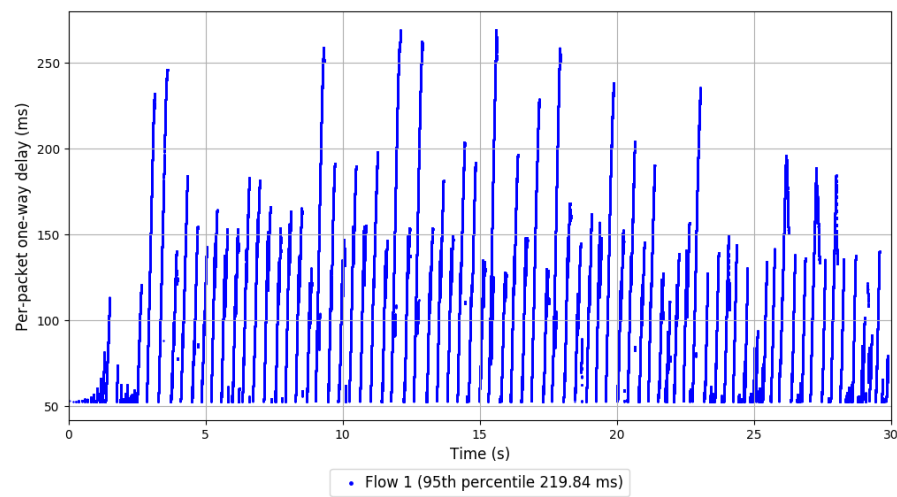
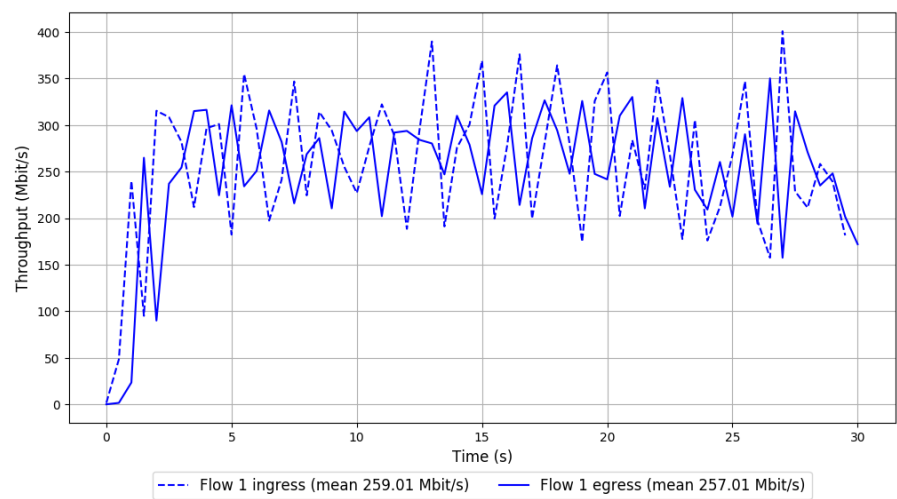
-- Flow 1:

Average throughput: 257.01 Mbit/s

95th percentile per-packet one-way delay: 219.842 ms

Loss rate: 0.77%

Run 8: Report of Verus — Data Link

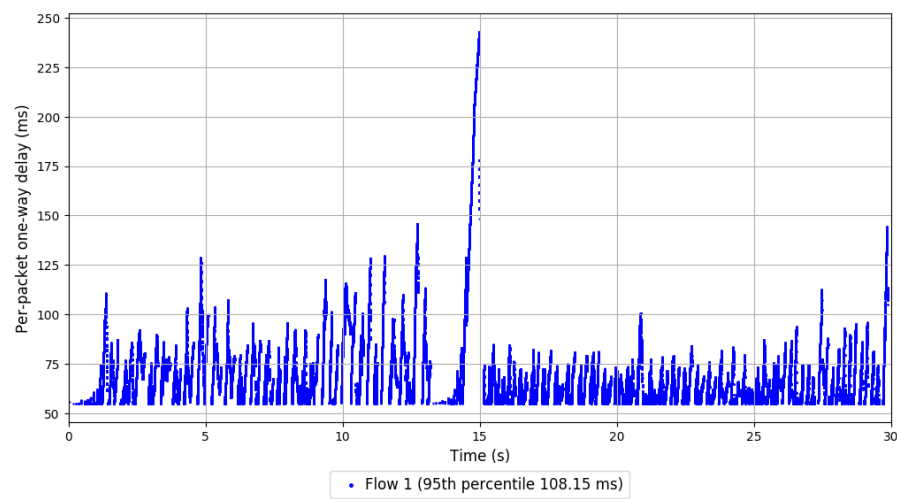
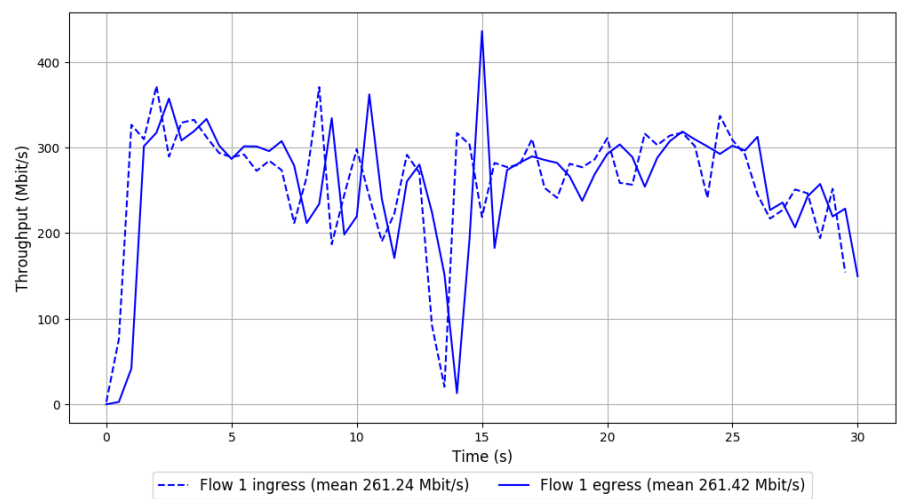


Run 9: Statistics of Verus

Start at: 2018-07-20 17:24:23
End at: 2018-07-20 17:24:53
Local clock offset: 0.093 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2018-07-20 19:52:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.42 Mbit/s
95th percentile per-packet one-way delay: 108.149 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 261.42 Mbit/s
95th percentile per-packet one-way delay: 108.149 ms
Loss rate: 0.29%

Run 9: Report of Verus — Data Link

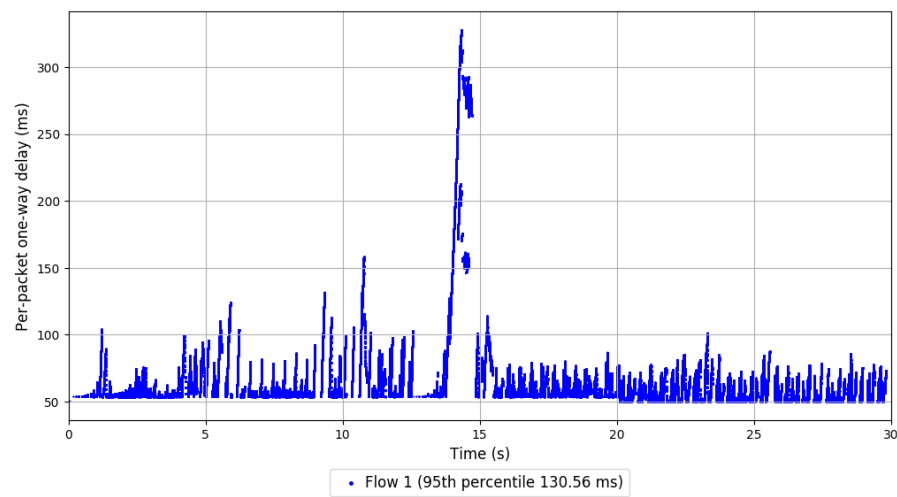
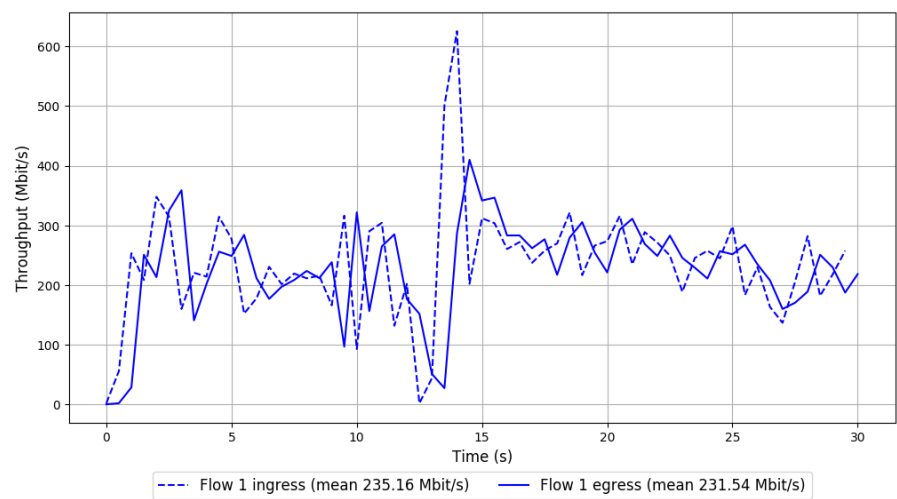


Run 10: Statistics of Verus

Start at: 2018-07-20 17:46:44
End at: 2018-07-20 17:47:14
Local clock offset: -0.171 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-20 19:52:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.54 Mbit/s
95th percentile per-packet one-way delay: 130.561 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 231.54 Mbit/s
95th percentile per-packet one-way delay: 130.561 ms
Loss rate: 2.20%

Run 10: Report of Verus — Data Link

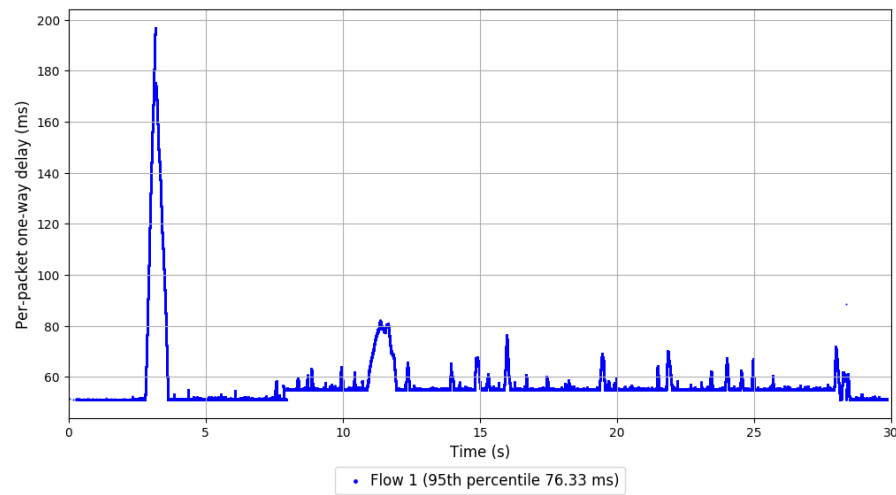
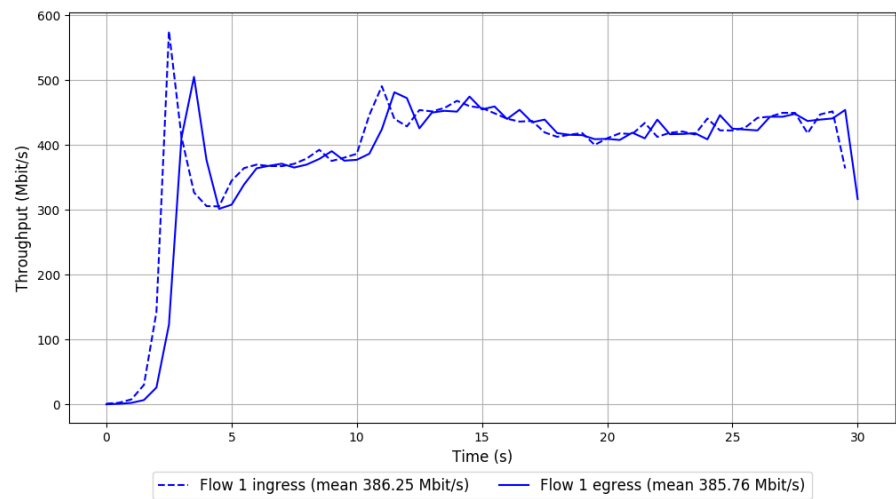


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-20 14:34:26
End at: 2018-07-20 14:34:56
Local clock offset: -0.133 ms
Remote clock offset: -1.263 ms

Below is generated by plot.py at 2018-07-20 19:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 385.76 Mbit/s
95th percentile per-packet one-way delay: 76.328 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 385.76 Mbit/s
95th percentile per-packet one-way delay: 76.328 ms
Loss rate: 0.48%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-20 14:55:54

End at: 2018-07-20 14:56:24

Local clock offset: 0.043 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-20 19:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.45 Mbit/s

95th percentile per-packet one-way delay: 71.045 ms

Loss rate: 0.43%

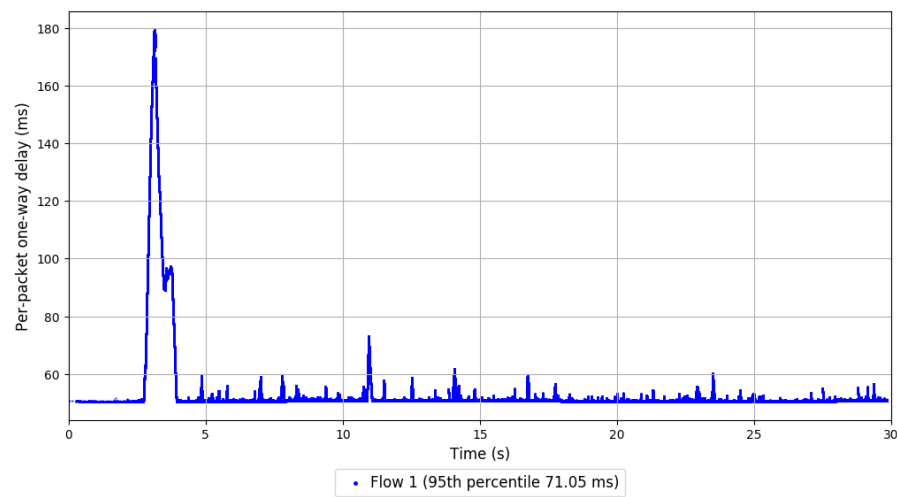
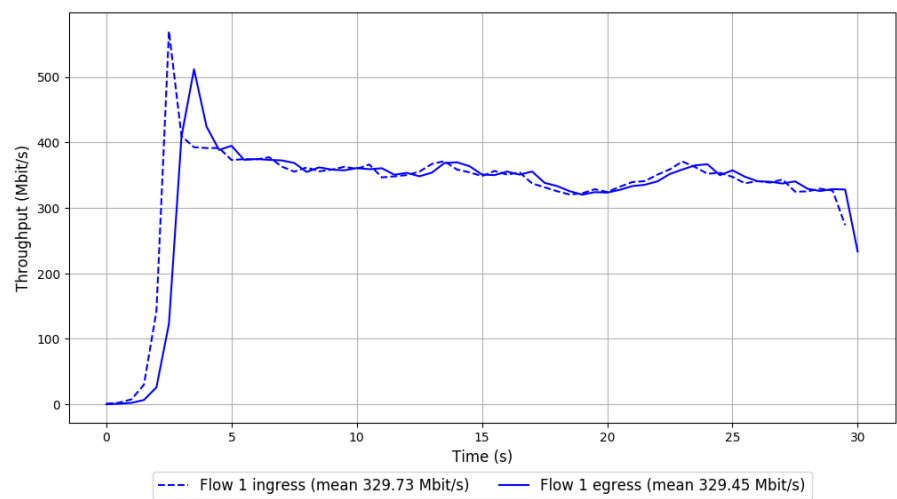
-- Flow 1:

Average throughput: 329.45 Mbit/s

95th percentile per-packet one-way delay: 71.045 ms

Loss rate: 0.43%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-20 15:17:37

End at: 2018-07-20 15:18:07

Local clock offset: -0.096 ms

Remote clock offset: 1.245 ms

Below is generated by plot.py at 2018-07-20 19:56:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.46 Mbit/s

95th percentile per-packet one-way delay: 61.455 ms

Loss rate: 0.32%

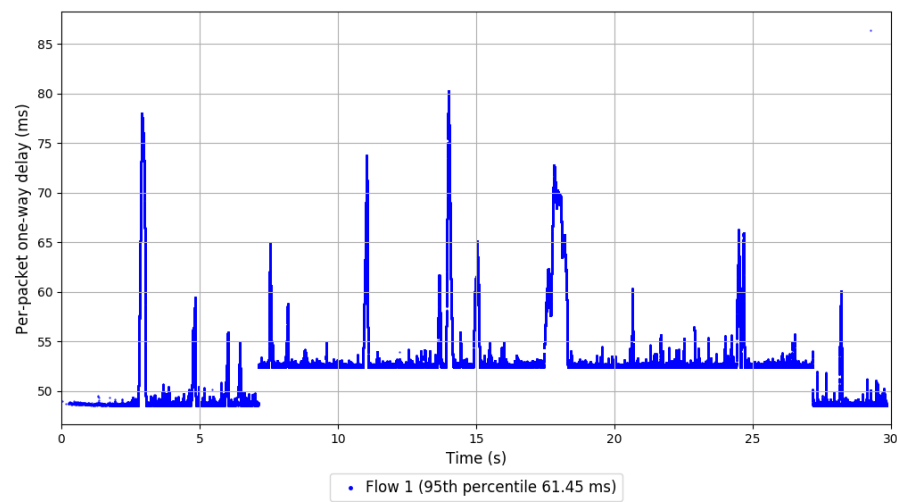
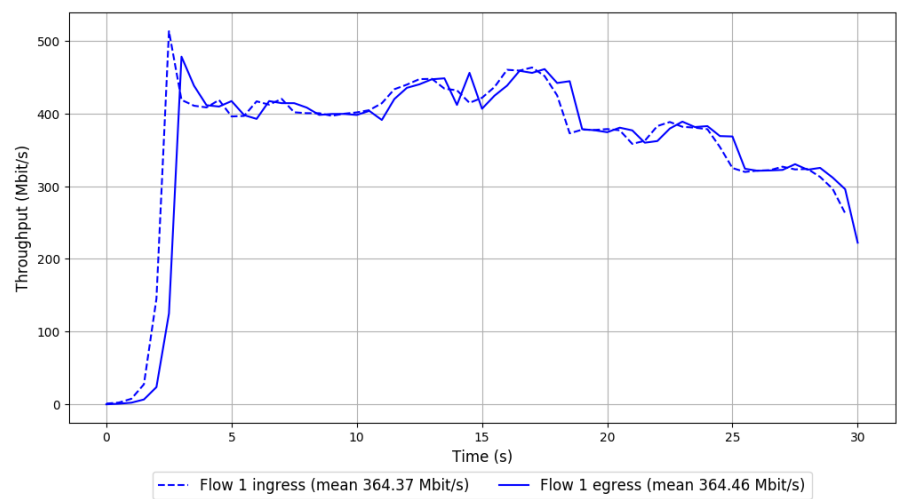
-- Flow 1:

Average throughput: 364.46 Mbit/s

95th percentile per-packet one-way delay: 61.455 ms

Loss rate: 0.32%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-20 15:39:39

End at: 2018-07-20 15:40:09

Local clock offset: -0.175 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-20 19:57:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 369.79 Mbit/s

95th percentile per-packet one-way delay: 78.908 ms

Loss rate: 0.36%

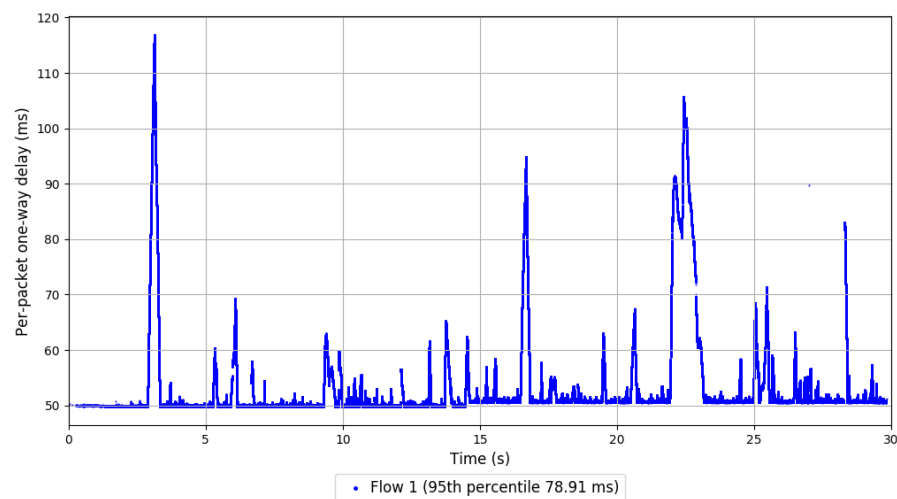
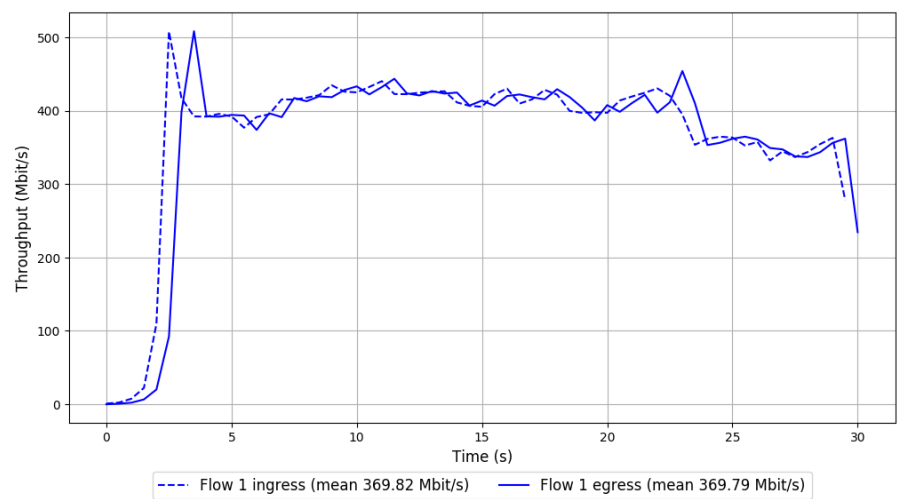
-- Flow 1:

Average throughput: 369.79 Mbit/s

95th percentile per-packet one-way delay: 78.908 ms

Loss rate: 0.36%

Run 4: Report of PCC-Vivace — Data Link

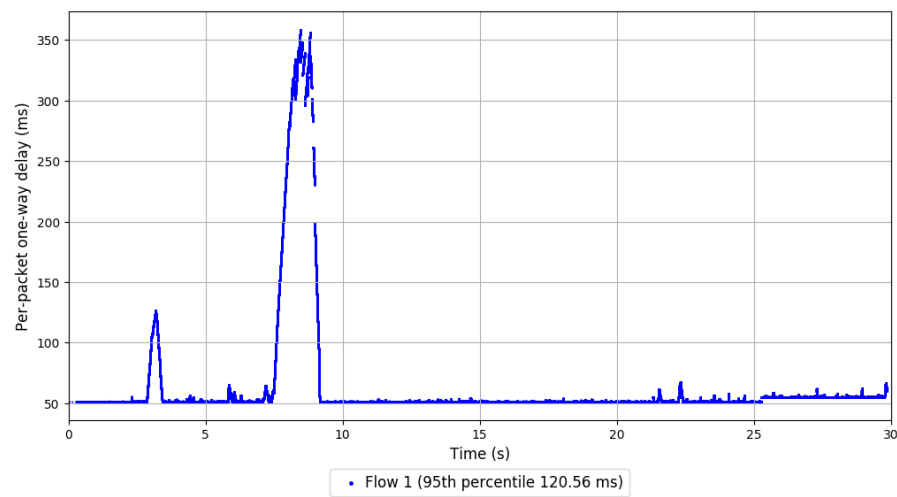
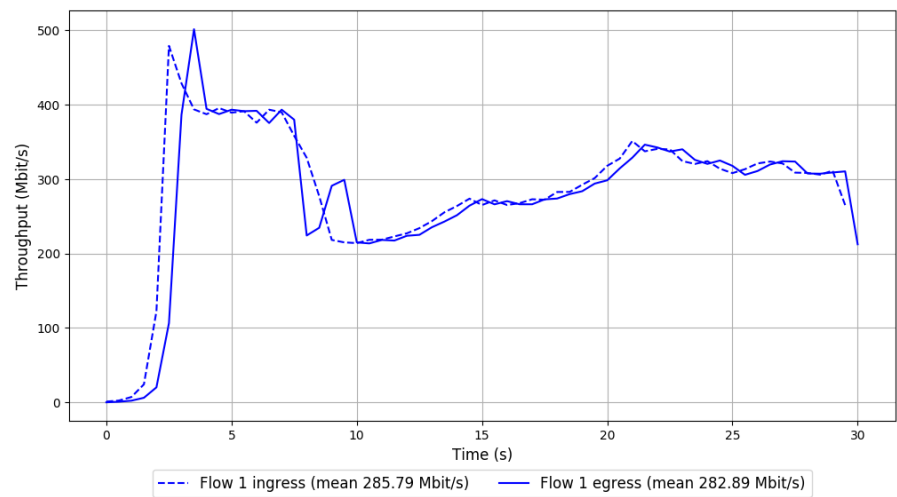


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-20 16:01:49
End at: 2018-07-20 16:02:19
Local clock offset: -0.15 ms
Remote clock offset: -1.333 ms

Below is generated by plot.py at 2018-07-20 19:57:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.89 Mbit/s
95th percentile per-packet one-way delay: 120.563 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 282.89 Mbit/s
95th percentile per-packet one-way delay: 120.563 ms
Loss rate: 1.45%

Run 5: Report of PCC-Vivace — Data Link

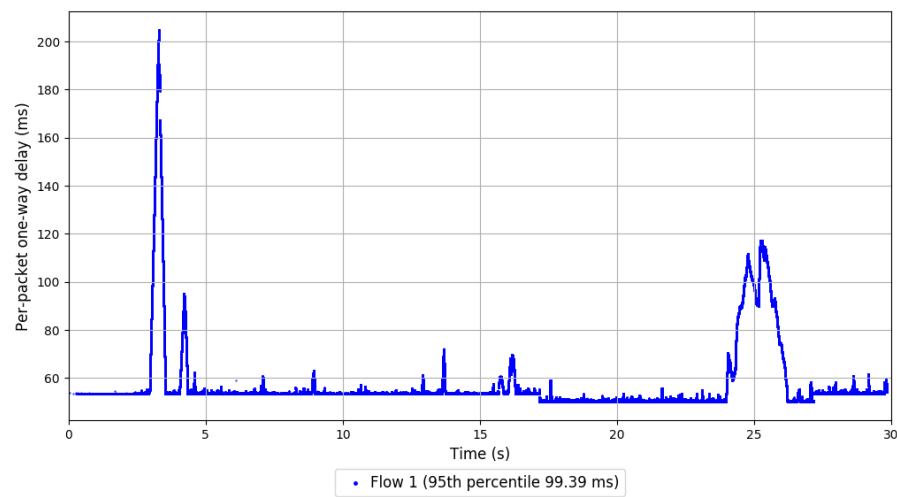
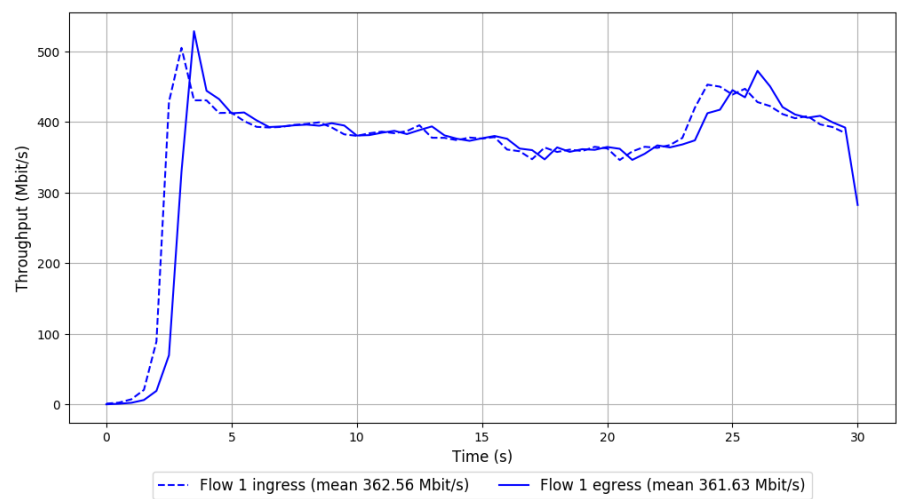


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-20 16:23:37
End at: 2018-07-20 16:24:07
Local clock offset: 0.165 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-20 19:58:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 361.63 Mbit/s
95th percentile per-packet one-way delay: 99.395 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 361.63 Mbit/s
95th percentile per-packet one-way delay: 99.395 ms
Loss rate: 0.83%

Run 6: Report of PCC-Vivace — Data Link

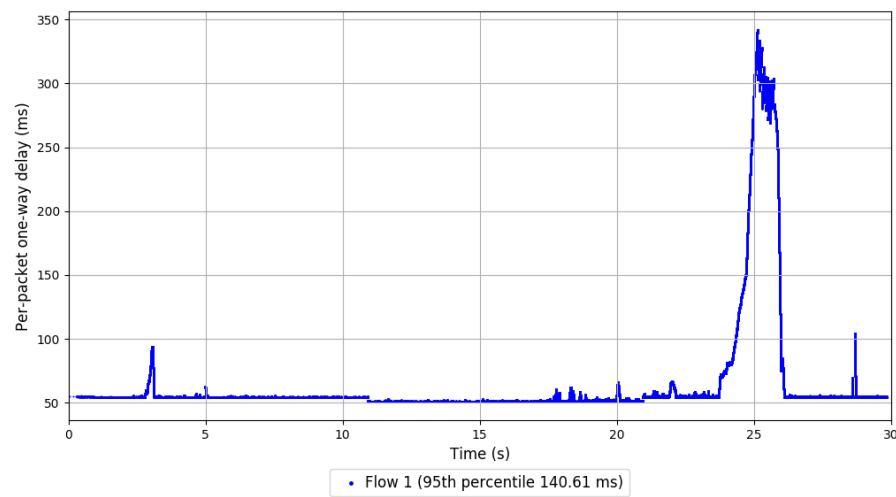
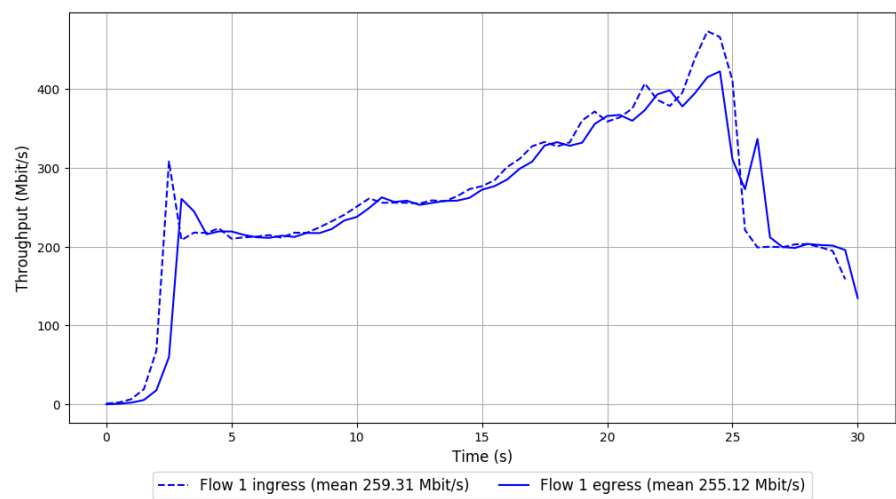


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-20 16:45:43
End at: 2018-07-20 16:46:13
Local clock offset: 0.206 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-20 19:58:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.12 Mbit/s
95th percentile per-packet one-way delay: 140.606 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 255.12 Mbit/s
95th percentile per-packet one-way delay: 140.606 ms
Loss rate: 1.97%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-20 17:07:36

End at: 2018-07-20 17:08:06

Local clock offset: 0.136 ms

Remote clock offset: -1.476 ms

Below is generated by plot.py at 2018-07-20 19:58:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.52 Mbit/s

95th percentile per-packet one-way delay: 62.460 ms

Loss rate: 0.69%

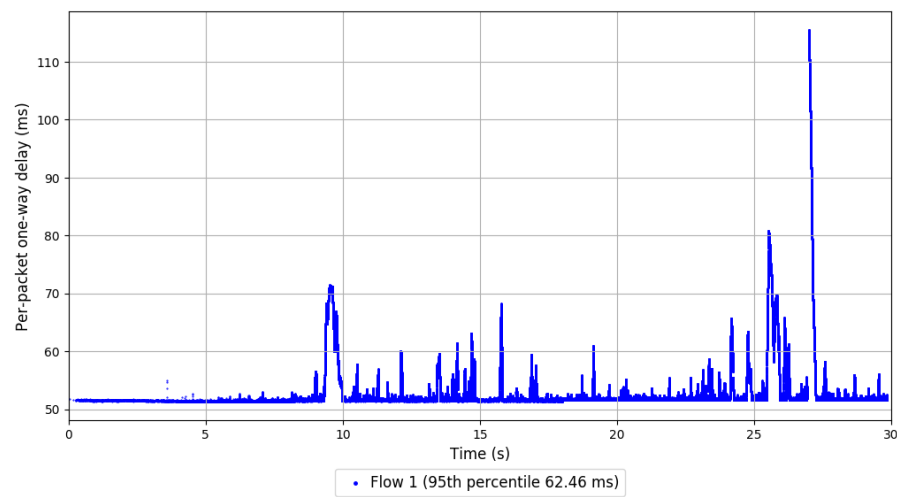
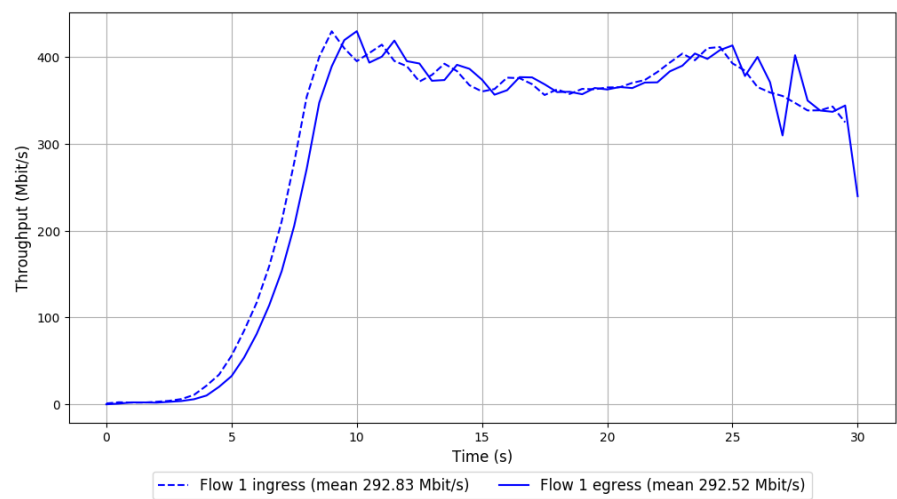
-- Flow 1:

Average throughput: 292.52 Mbit/s

95th percentile per-packet one-way delay: 62.460 ms

Loss rate: 0.69%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-20 17:29:36

End at: 2018-07-20 17:30:06

Local clock offset: 0.013 ms

Remote clock offset: 1.147 ms

Below is generated by plot.py at 2018-07-20 19:58:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 297.29 Mbit/s

95th percentile per-packet one-way delay: 59.783 ms

Loss rate: 0.39%

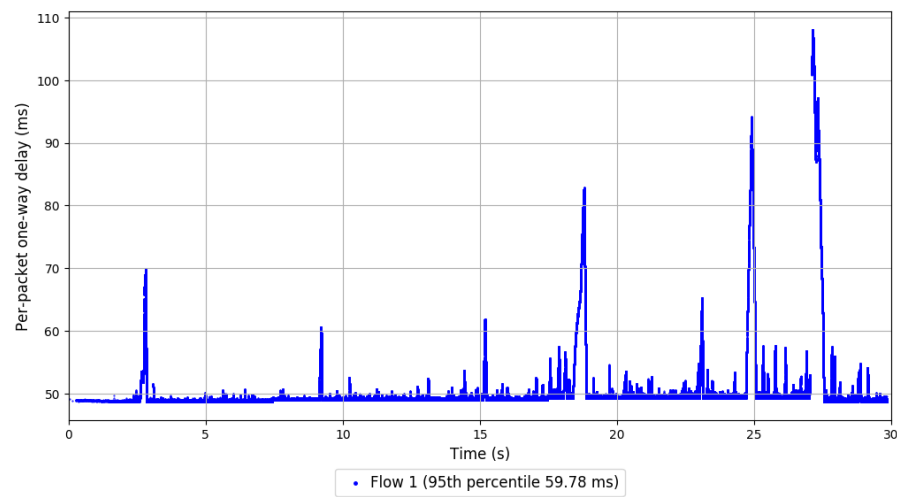
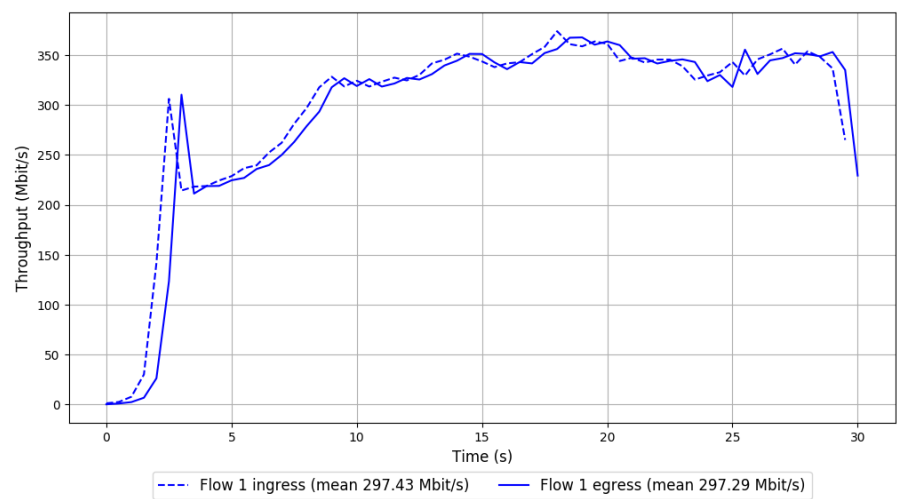
-- Flow 1:

Average throughput: 297.29 Mbit/s

95th percentile per-packet one-way delay: 59.783 ms

Loss rate: 0.39%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-20 17:52:04

End at: 2018-07-20 17:52:35

Local clock offset: -0.262 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-20 19:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.49 Mbit/s

95th percentile per-packet one-way delay: 144.890 ms

Loss rate: 0.56%

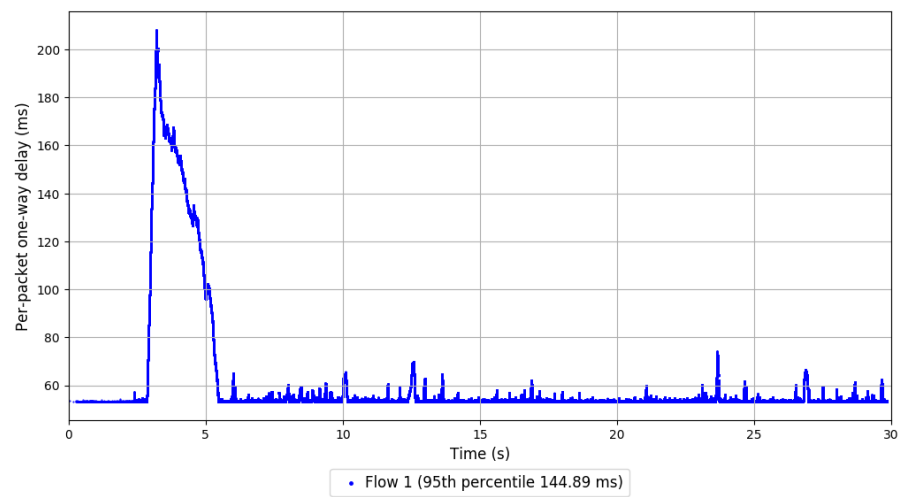
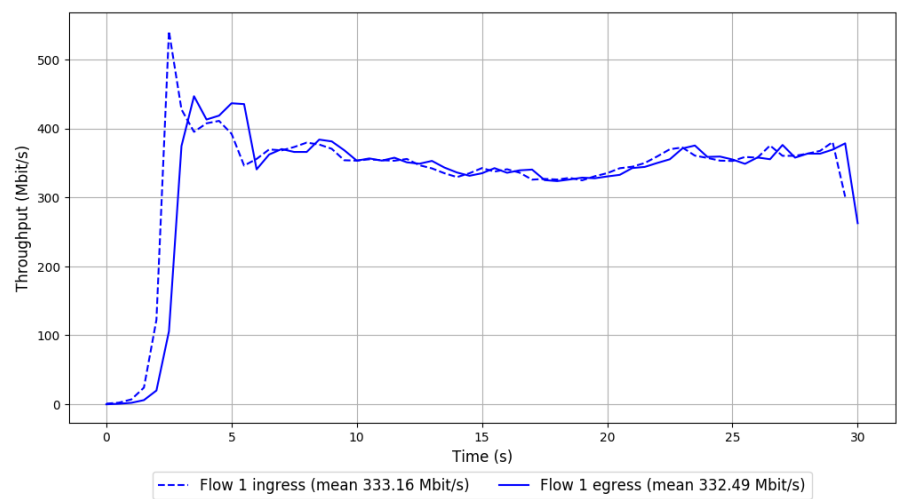
-- Flow 1:

Average throughput: 332.49 Mbit/s

95th percentile per-packet one-way delay: 144.890 ms

Loss rate: 0.56%

Run 10: Report of PCC-Vivace — Data Link

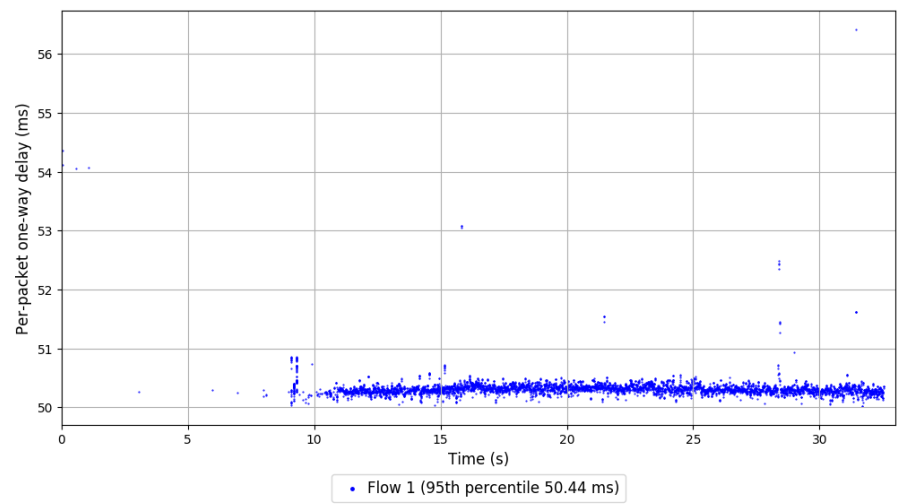
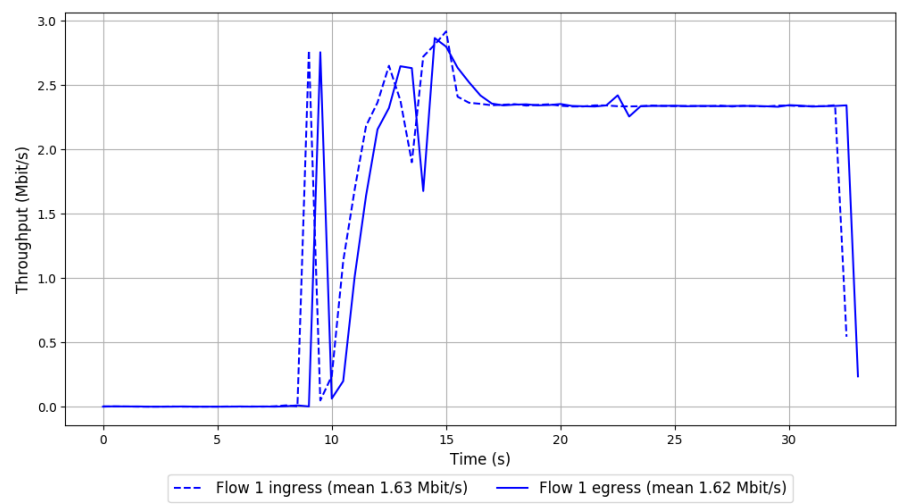


Run 1: Statistics of WebRTC media

Start at: 2018-07-20 14:39:54
End at: 2018-07-20 14:40:24
Local clock offset: -0.095 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-20 19:58:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 50.442 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 50.442 ms
Loss rate: 0.51%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-20 15:01:19

End at: 2018-07-20 15:01:49

Local clock offset: -0.046 ms

Remote clock offset: 1.419 ms

Below is generated by plot.py at 2018-07-20 19:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 49.142 ms

Loss rate: 0.37%

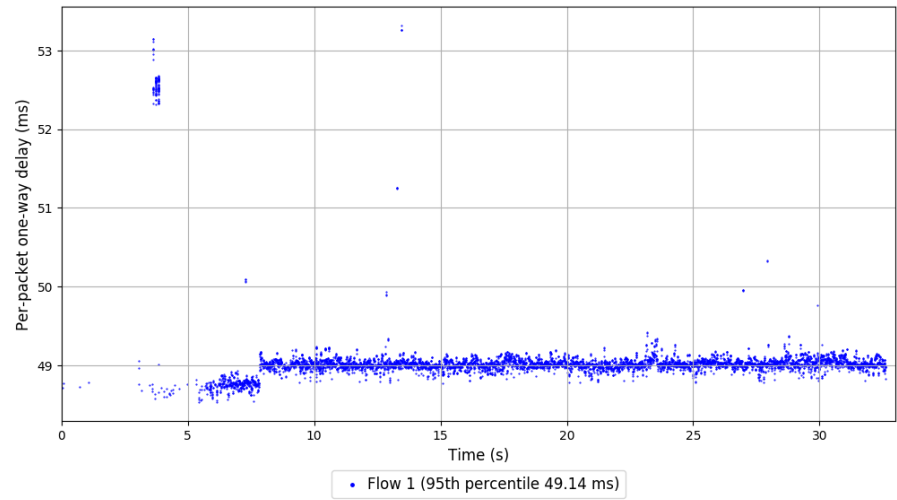
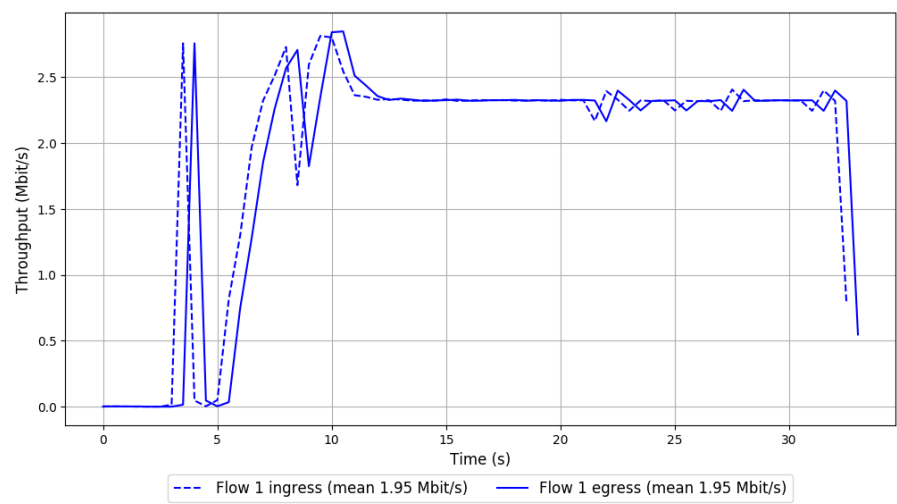
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 49.142 ms

Loss rate: 0.37%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-20 15:23:05

End at: 2018-07-20 15:23:36

Local clock offset: -0.063 ms

Remote clock offset: 1.37 ms

Below is generated by plot.py at 2018-07-20 19:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 49.119 ms

Loss rate: 0.36%

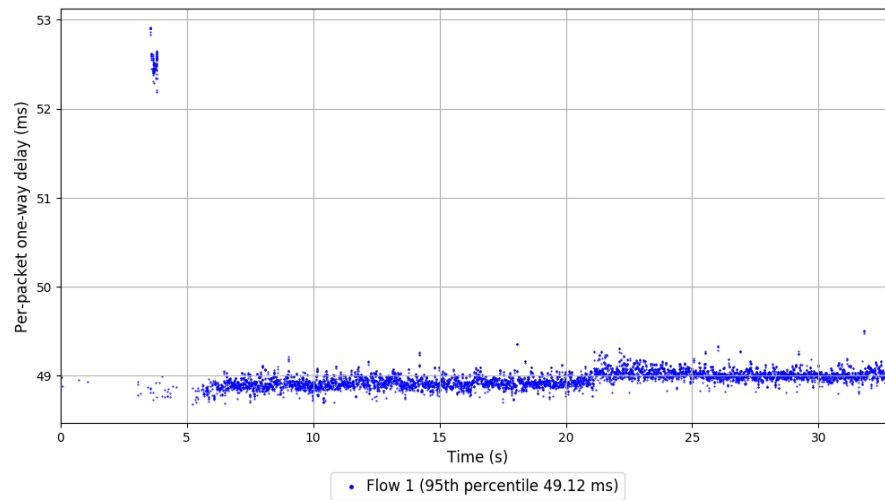
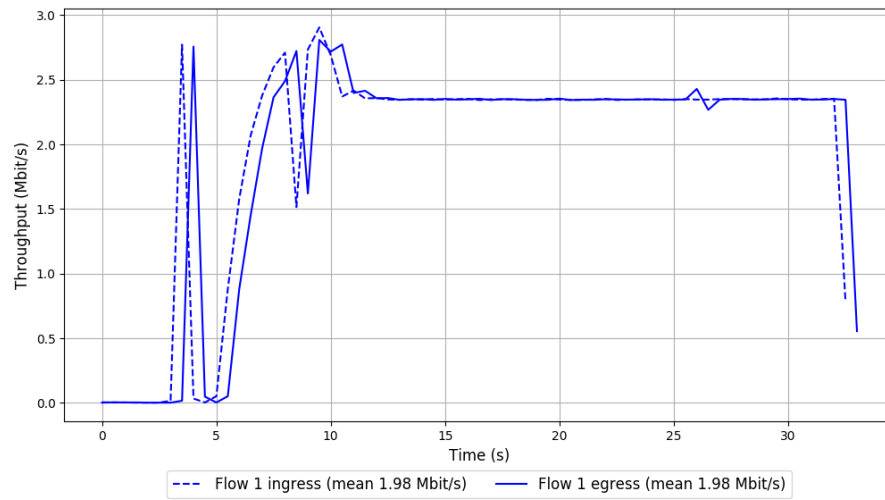
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 49.119 ms

Loss rate: 0.36%

Run 3: Report of WebRTC media — Data Link

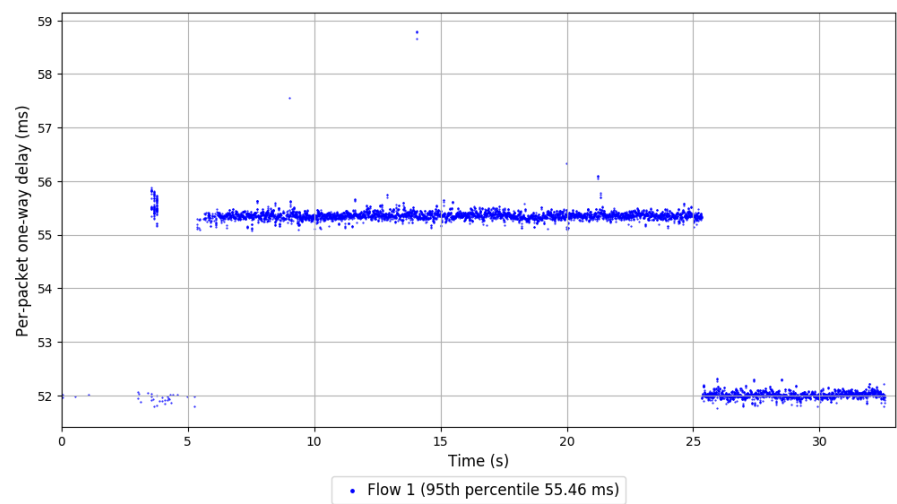
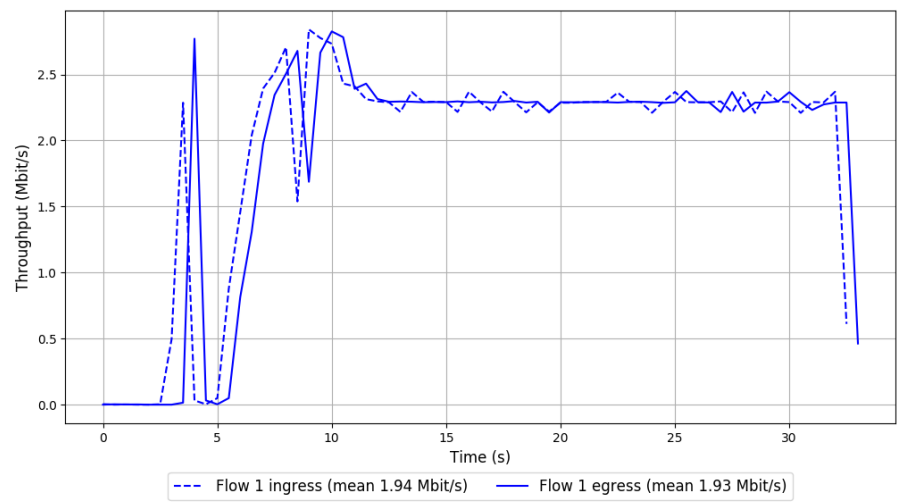


Run 4: Statistics of WebRTC media

Start at: 2018-07-20 15:45:21
End at: 2018-07-20 15:45:51
Local clock offset: -0.026 ms
Remote clock offset: -1.471 ms

Below is generated by plot.py at 2018-07-20 19:58:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 55.463 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 55.463 ms
Loss rate: 0.36%

Run 4: Report of WebRTC media — Data Link

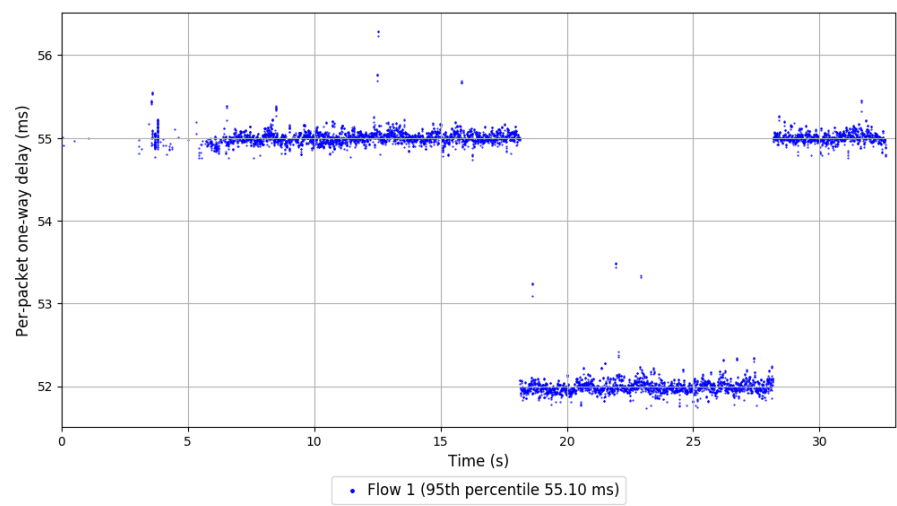
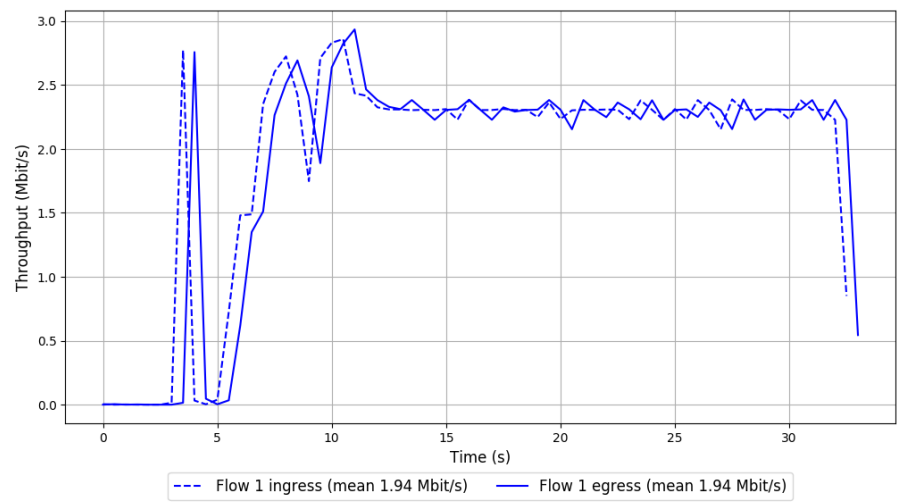


Run 5: Statistics of WebRTC media

Start at: 2018-07-20 16:07:08
End at: 2018-07-20 16:07:38
Local clock offset: -0.214 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2018-07-20 19:58:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 55.101 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 55.101 ms
Loss rate: 0.42%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-20 16:28:59

End at: 2018-07-20 16:29:29

Local clock offset: -0.245 ms

Remote clock offset: 1.197 ms

Below is generated by plot.py at 2018-07-20 19:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 52.007 ms

Loss rate: 0.41%

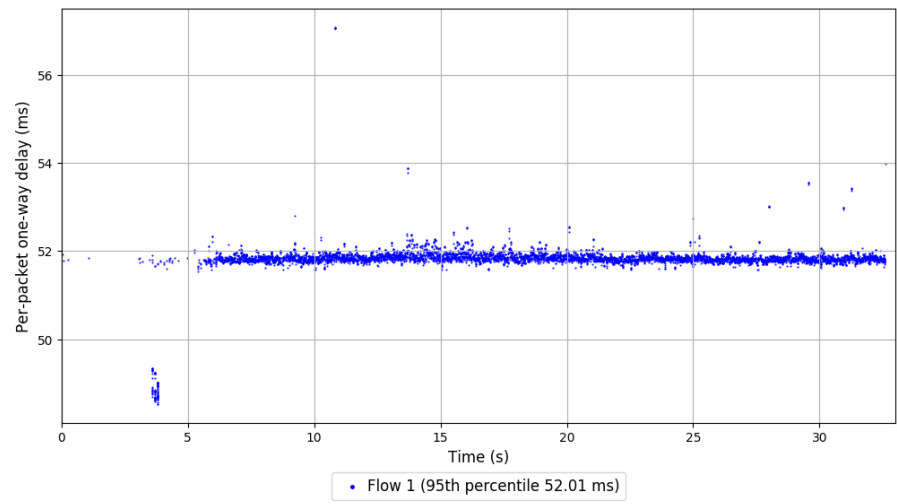
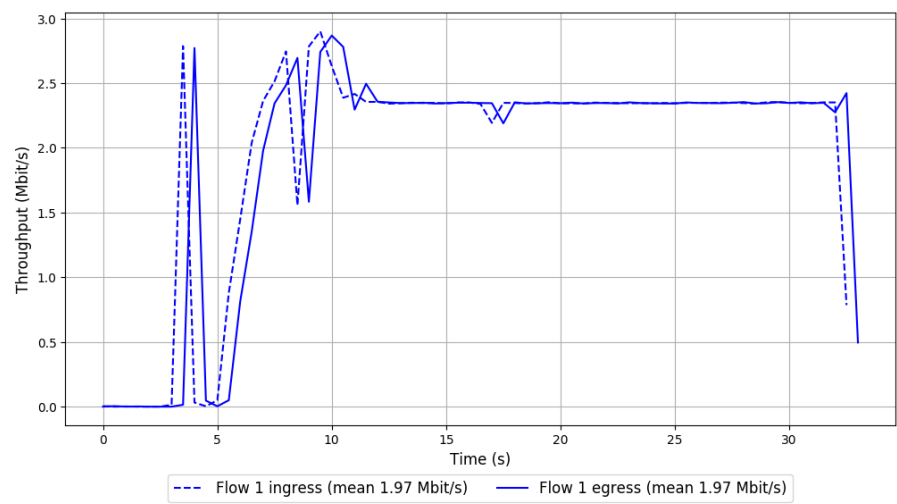
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 52.007 ms

Loss rate: 0.41%

Run 6: Report of WebRTC media — Data Link

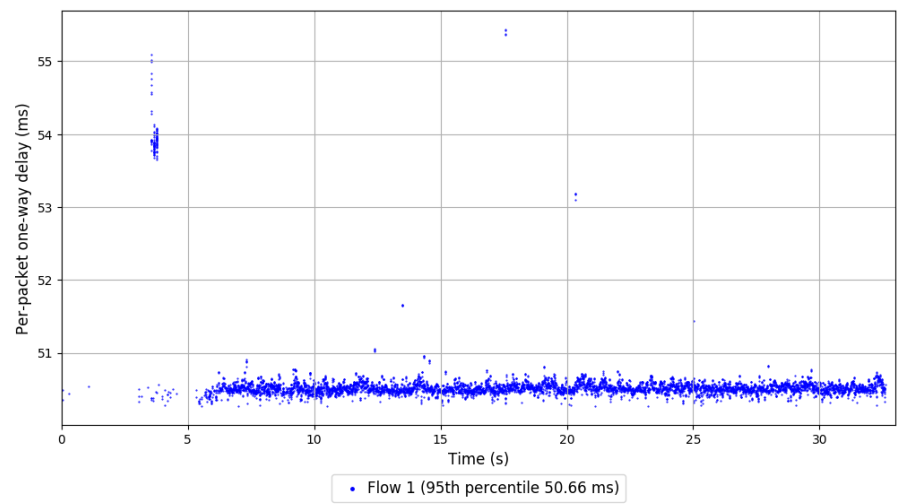
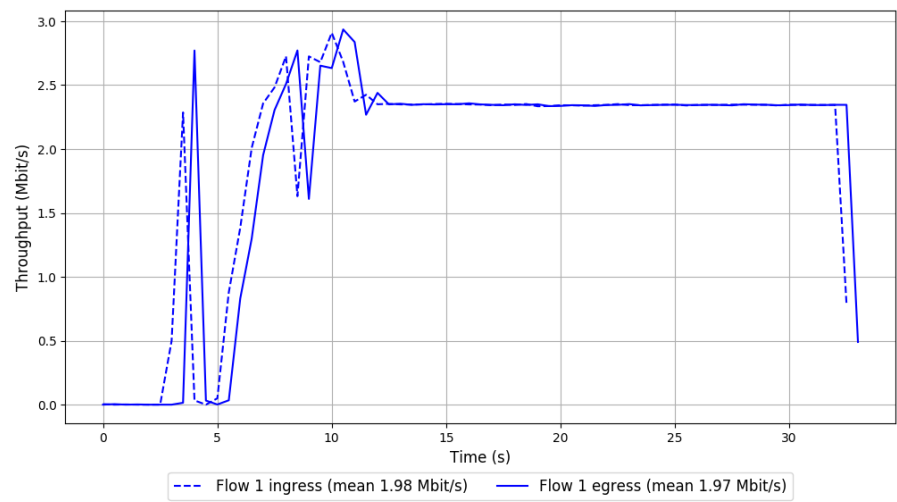


Run 7: Statistics of WebRTC media

Start at: 2018-07-20 16:50:59
End at: 2018-07-20 16:51:29
Local clock offset: 0.038 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-20 19:58:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.41%

Run 7: Report of WebRTC media — Data Link

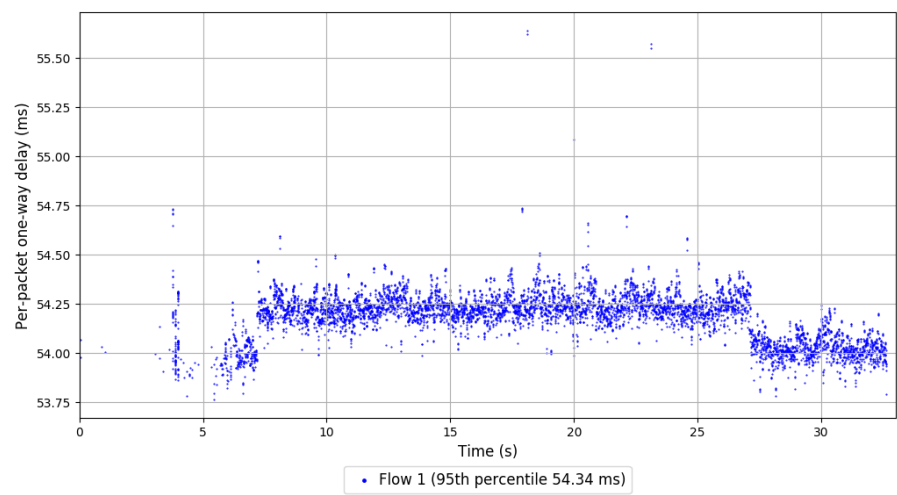
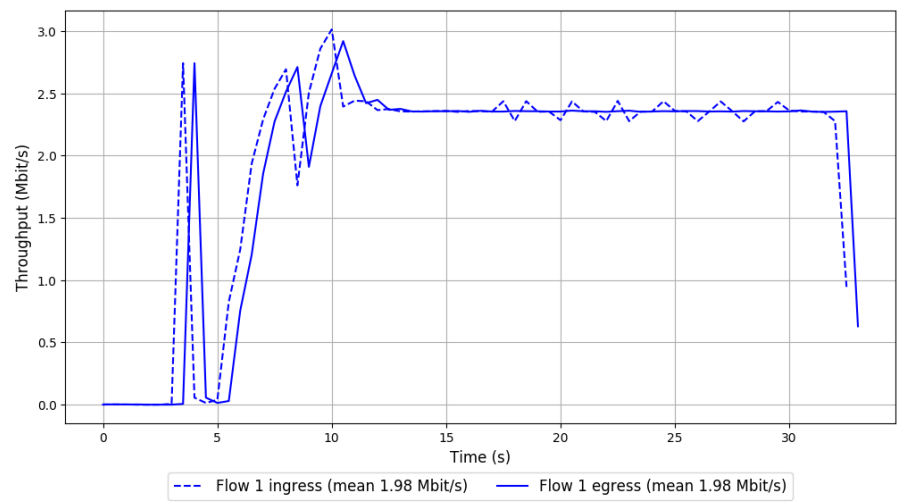


Run 8: Statistics of WebRTC media

Start at: 2018-07-20 17:13:00
End at: 2018-07-20 17:13:30
Local clock offset: 0.169 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-07-20 19:58:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 54.342 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 54.342 ms
Loss rate: 0.43%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-20 17:35:19

End at: 2018-07-20 17:35:49

Local clock offset: -0.059 ms

Remote clock offset: 1.067 ms

Below is generated by plot.py at 2018-07-20 19:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 49.705 ms

Loss rate: 0.37%

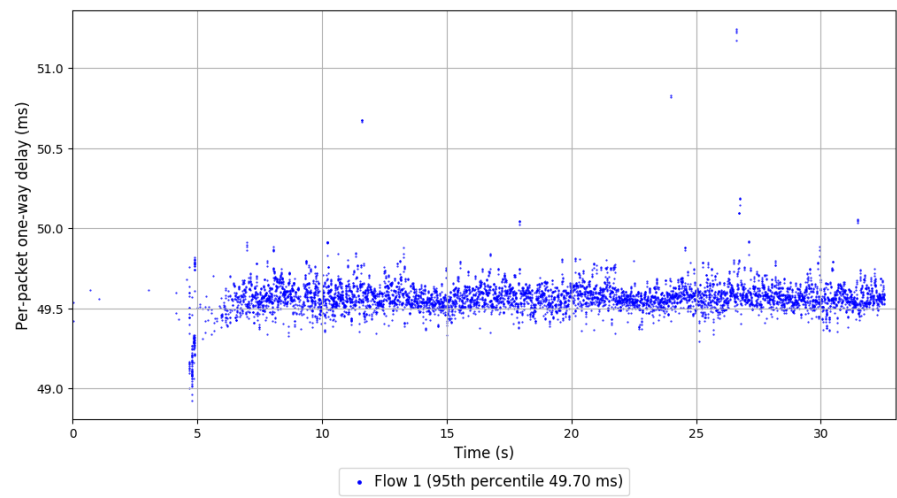
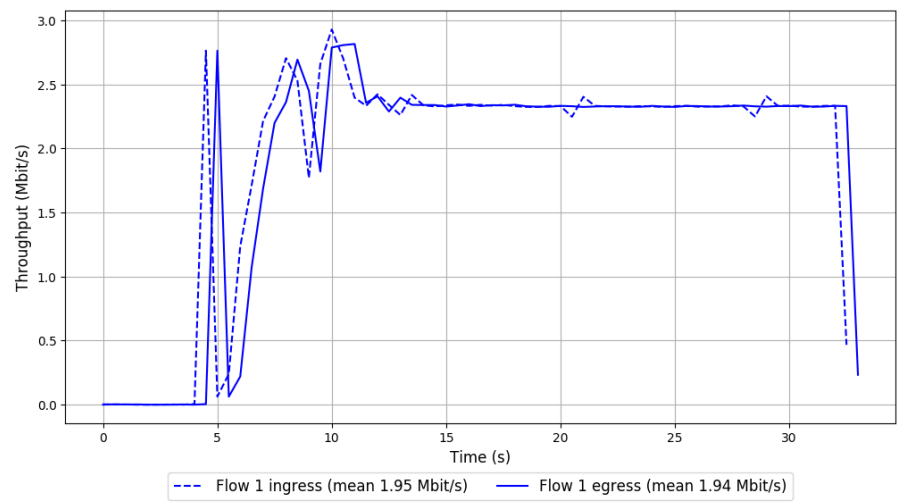
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 49.705 ms

Loss rate: 0.37%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-20 17:57:32

End at: 2018-07-20 17:58:02

Local clock offset: -0.029 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-07-20 19:58:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.557 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 50.557 ms

Loss rate: 0.42%

Run 10: Report of WebRTC media — Data Link

