

Pantheon Report

Generated at 2018-07-20 06:53:59 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

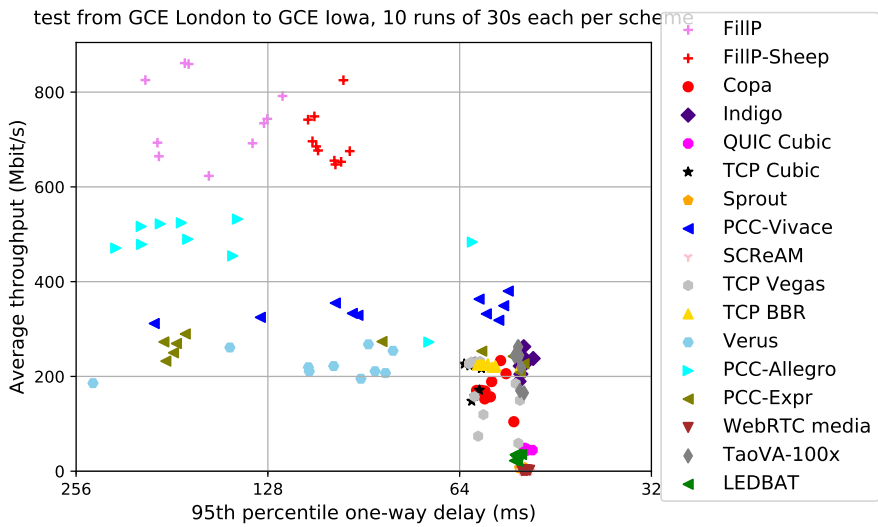
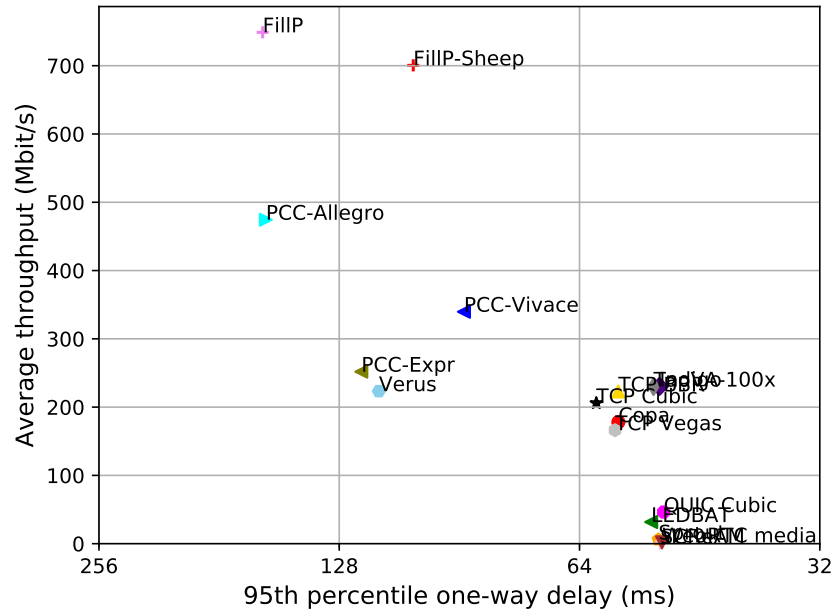
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 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 London to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	222.87	57.22	0.00
Copa	10	178.04	57.21	0.00
TCP Cubic	10	205.85	60.97	0.02
FillP	10	748.86	159.63	4.49
FillP-Sheep	10	700.50	103.39	0.18
Indigo	10	230.22	50.82	0.00
LEDBAT	10	31.72	52.05	0.00
PCC-Allegro	10	474.38	158.17	1.70
PCC-Expr	10	251.86	120.10	1.33
QUIC Cubic	5	46.31	50.21	0.00
SCReAM	10	0.22	50.70	0.00
Sprout	10	6.09	50.97	0.01
TaoVA-100x	10	230.07	51.70	0.00
TCP Vegas	10	166.24	57.77	0.01
Verus	10	223.38	114.18	1.53
PCC-Vivace	10	339.62	89.33	0.13
WebRTC media	10	1.92	50.45	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-20 01:26:45

End at: 2018-07-20 01:27:15

Local clock offset: 0.084 ms

Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-20 05:14:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.30 Mbit/s

95th percentile per-packet one-way delay: 58.901 ms

Loss rate: 0.00%

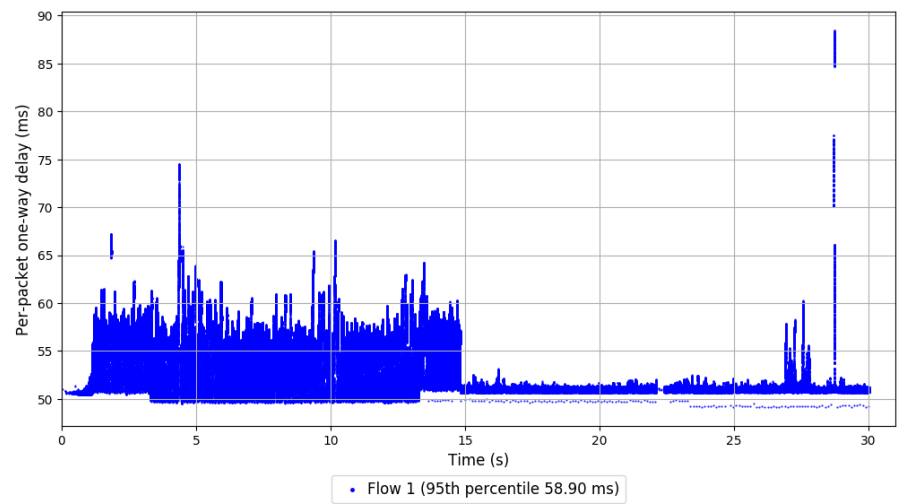
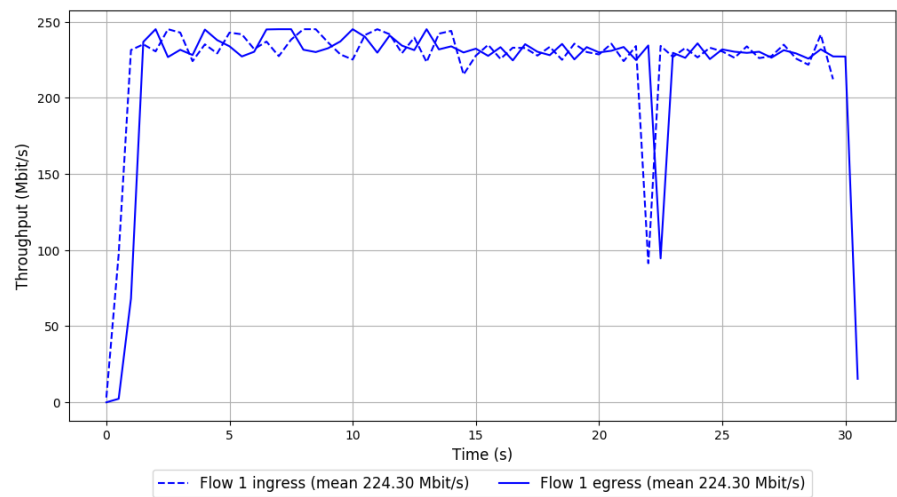
-- Flow 1:

Average throughput: 224.30 Mbit/s

95th percentile per-packet one-way delay: 58.901 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

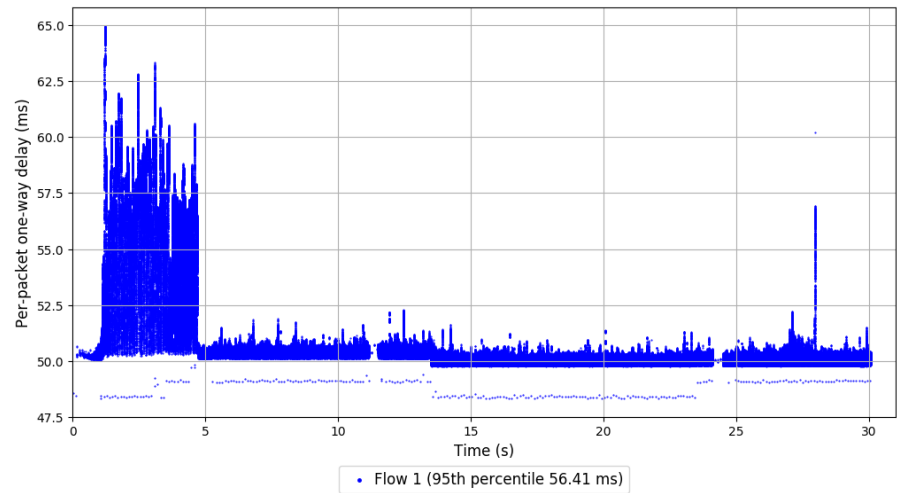
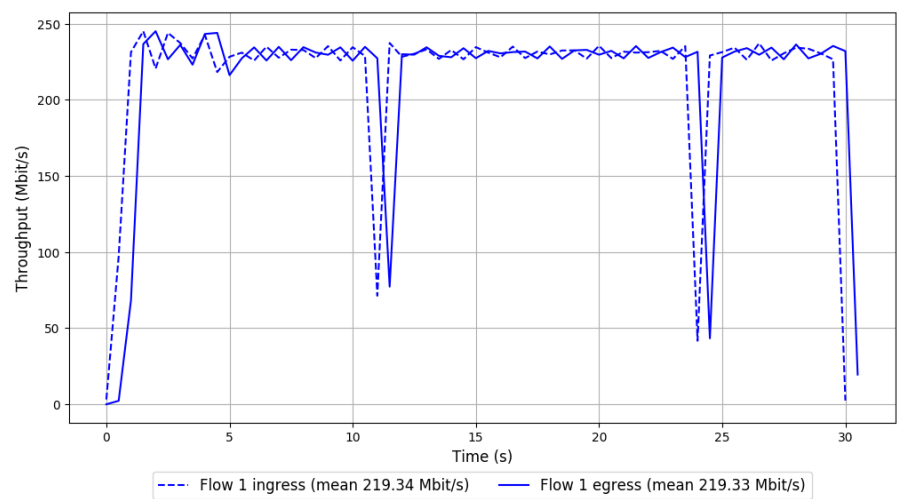


Run 2: Statistics of TCP BBR

Start at: 2018-07-20 01:48:35
End at: 2018-07-20 01:49:05
Local clock offset: 0.605 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-20 05:14:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.33 Mbit/s
95th percentile per-packet one-way delay: 56.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.33 Mbit/s
95th percentile per-packet one-way delay: 56.405 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-20 02:10:26

End at: 2018-07-20 02:10:56

Local clock offset: 0.199 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 05:14:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.52 Mbit/s

95th percentile per-packet one-way delay: 58.663 ms

Loss rate: 0.00%

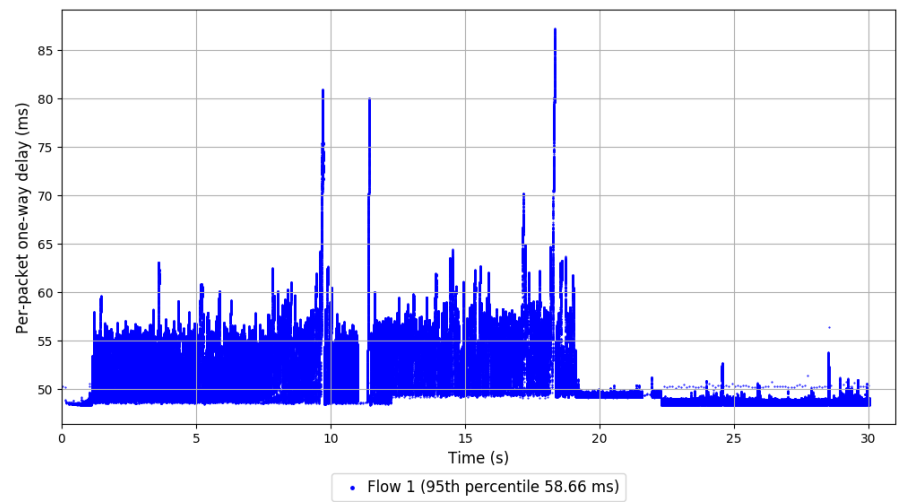
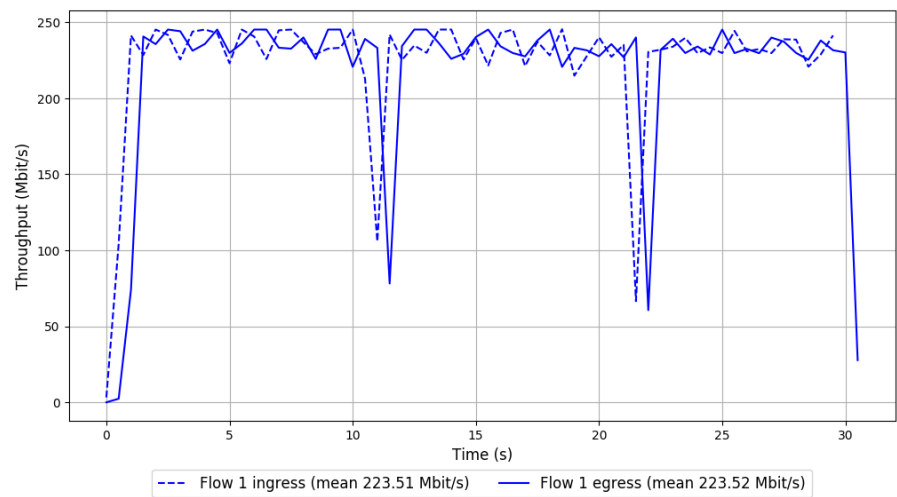
-- Flow 1:

Average throughput: 223.52 Mbit/s

95th percentile per-packet one-way delay: 58.663 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-20 02:32:28

End at: 2018-07-20 02:32:58

Local clock offset: -0.505 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 05:14:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.00 Mbit/s

95th percentile per-packet one-way delay: 60.021 ms

Loss rate: 0.00%

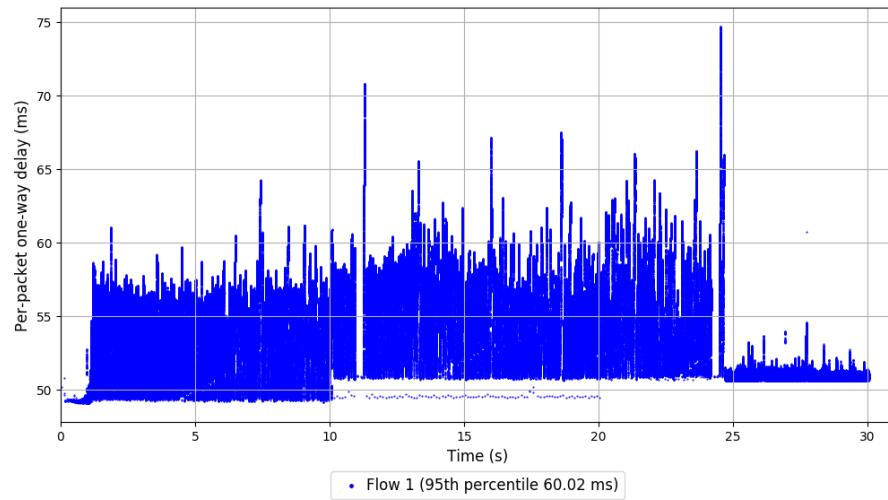
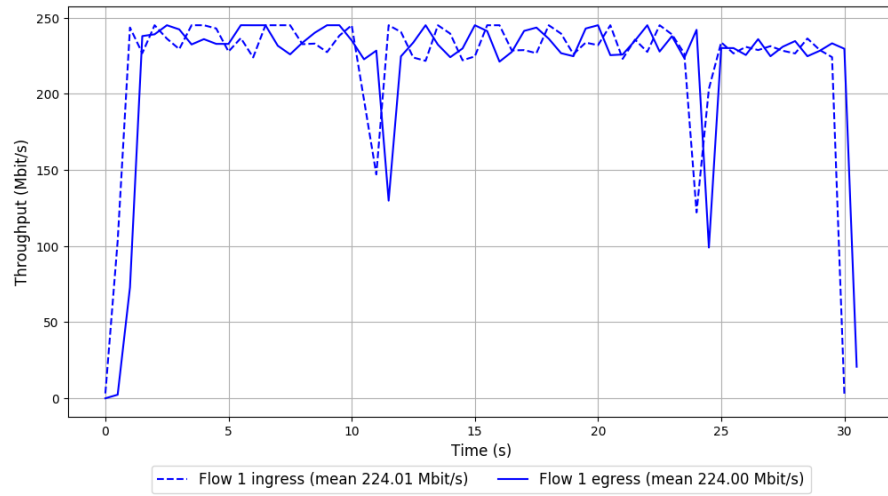
-- Flow 1:

Average throughput: 224.00 Mbit/s

95th percentile per-packet one-way delay: 60.021 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

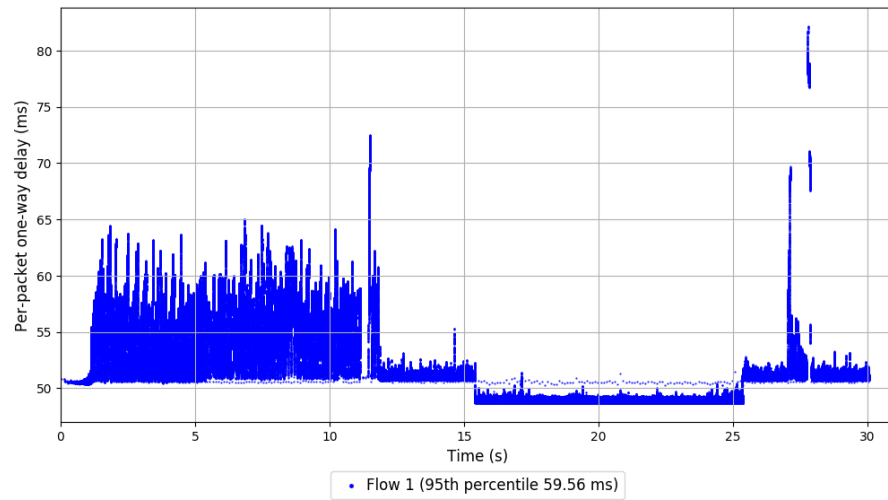
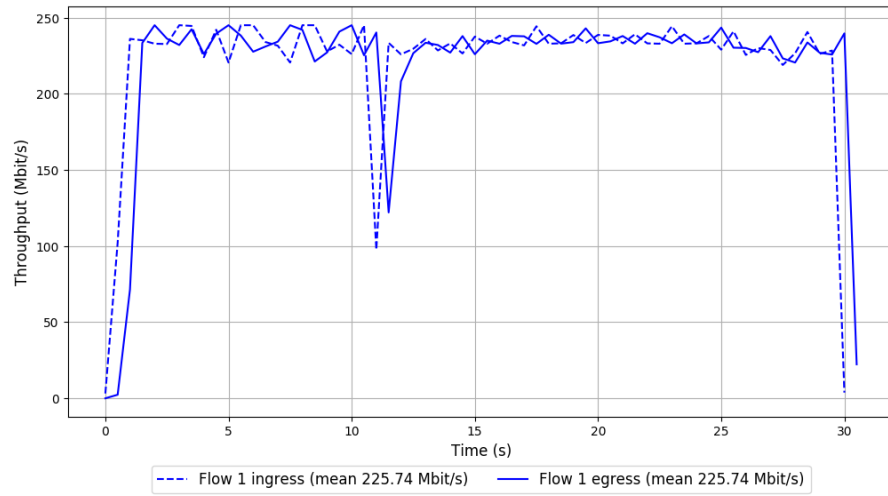


Run 5: Statistics of TCP BBR

Start at: 2018-07-20 02:54:13
End at: 2018-07-20 02:54:43
Local clock offset: -0.058 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-20 05:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.74 Mbit/s
95th percentile per-packet one-way delay: 59.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.74 Mbit/s
95th percentile per-packet one-way delay: 59.557 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

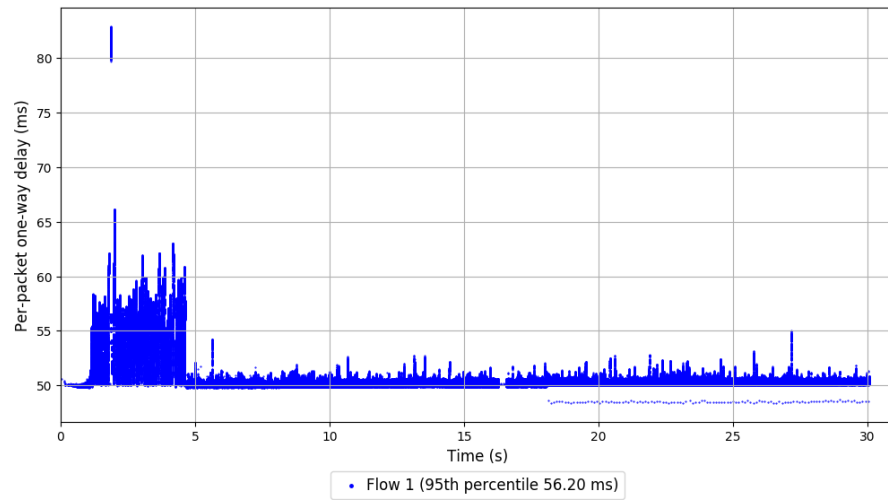
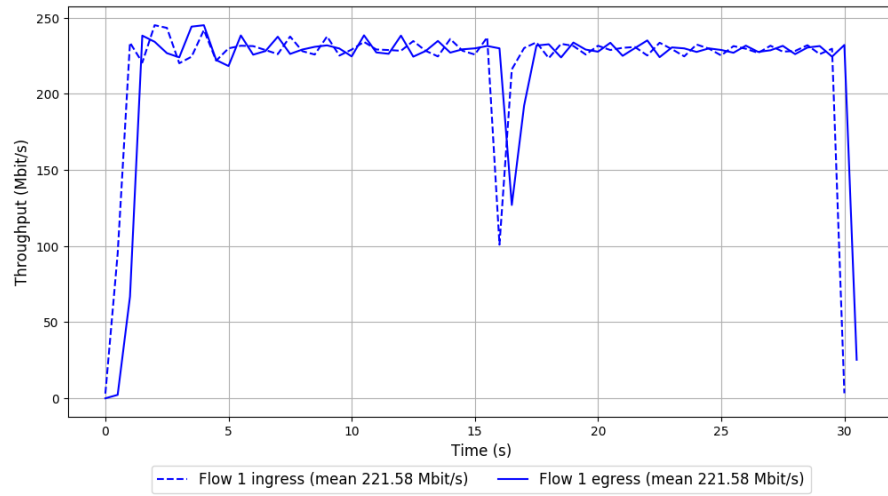


Run 6: Statistics of TCP BBR

Start at: 2018-07-20 03:16:10
End at: 2018-07-20 03:16:40
Local clock offset: 0.218 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-20 05:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.58 Mbit/s
95th percentile per-packet one-way delay: 56.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.58 Mbit/s
95th percentile per-packet one-way delay: 56.203 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

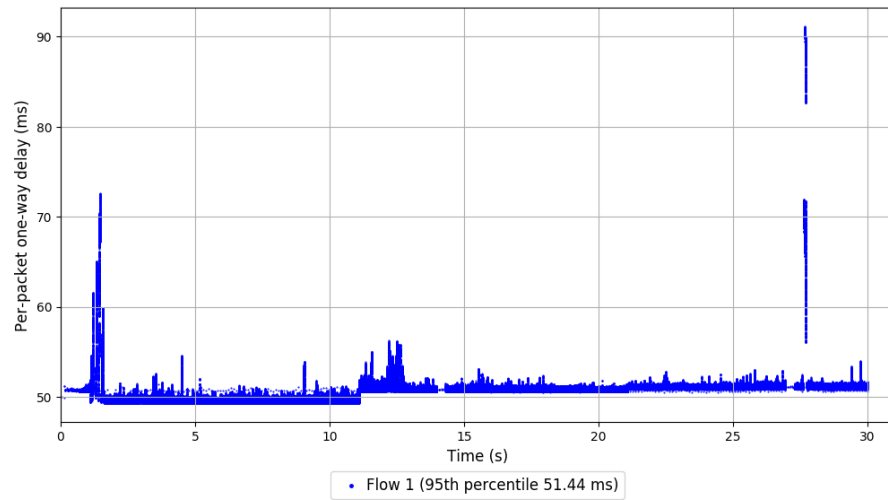
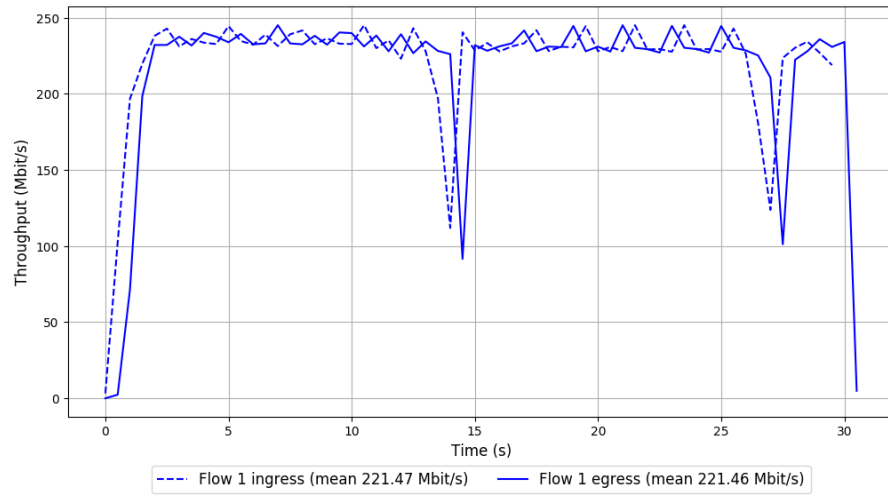


Run 7: Statistics of TCP BBR

Start at: 2018-07-20 03:38:07
End at: 2018-07-20 03:38:37
Local clock offset: -0.494 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 05:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 51.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 51.440 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-20 04:00:12

End at: 2018-07-20 04:00:42

Local clock offset: 0.215 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-20 05:14:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.40 Mbit/s

95th percentile per-packet one-way delay: 56.286 ms

Loss rate: 0.00%

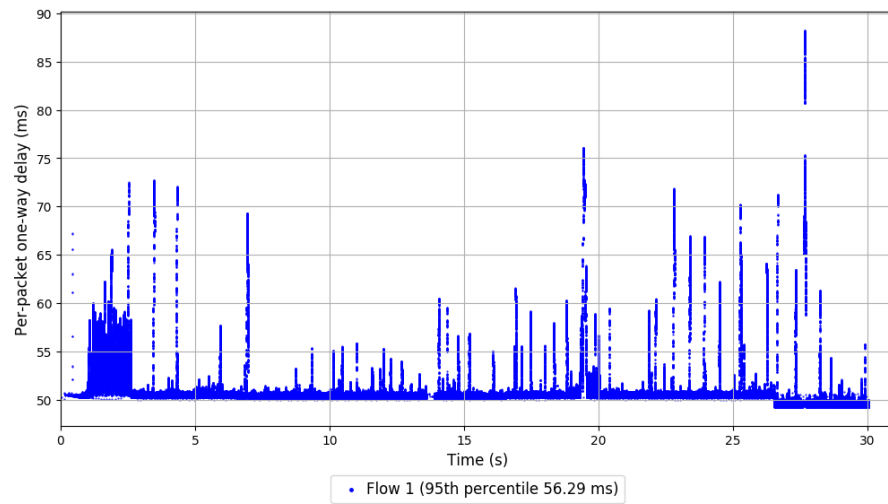
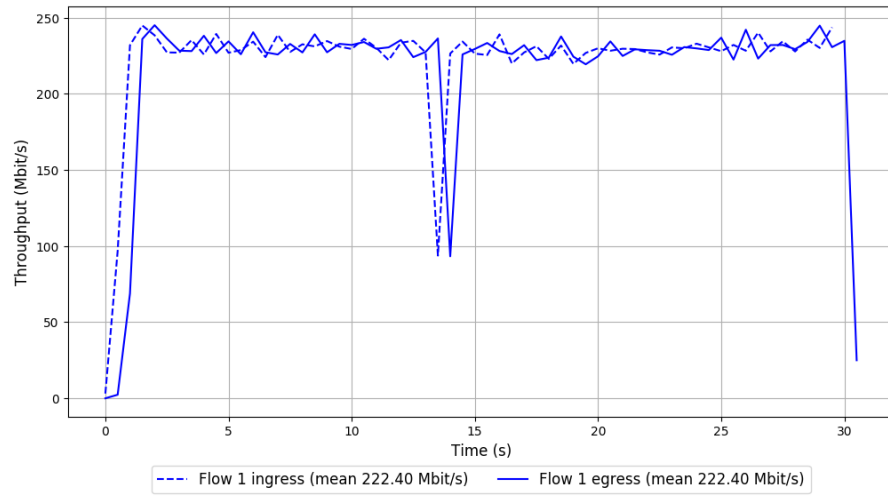
-- Flow 1:

Average throughput: 222.40 Mbit/s

95th percentile per-packet one-way delay: 56.286 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

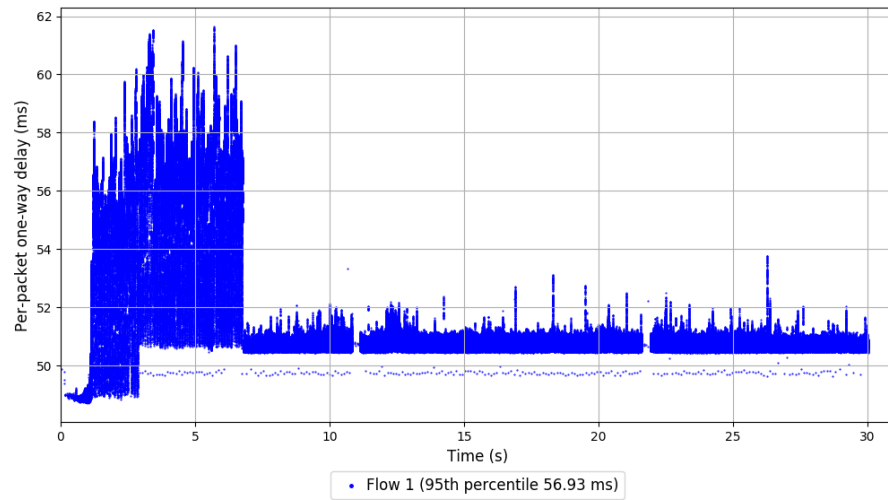
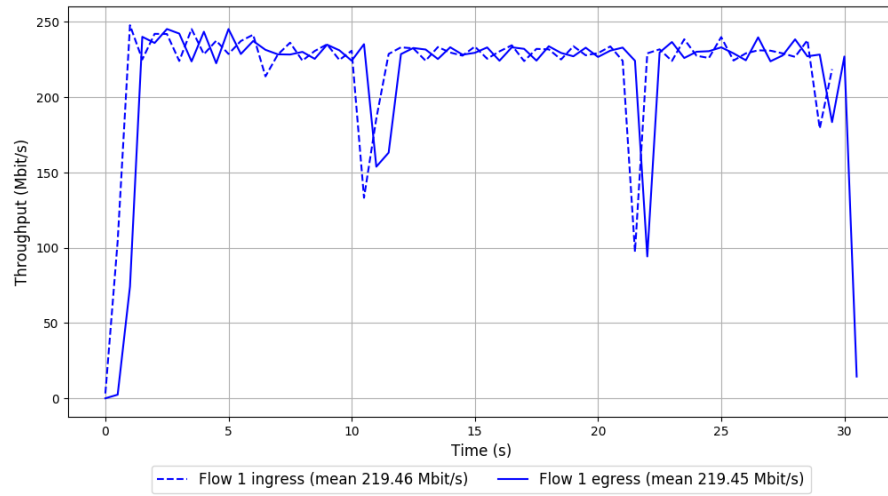


Run 9: Statistics of TCP BBR

Start at: 2018-07-20 04:22:18
End at: 2018-07-20 04:22:48
Local clock offset: -0.148 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-20 05:17:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.45 Mbit/s
95th percentile per-packet one-way delay: 56.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.45 Mbit/s
95th percentile per-packet one-way delay: 56.933 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

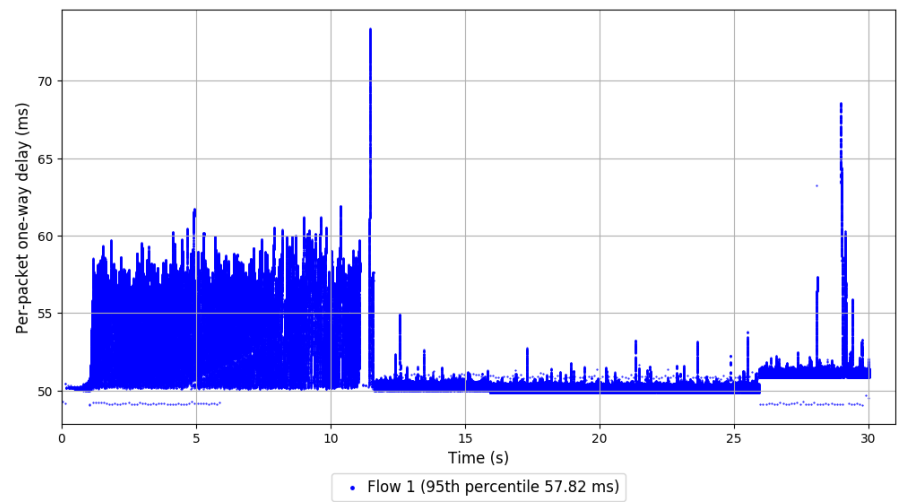
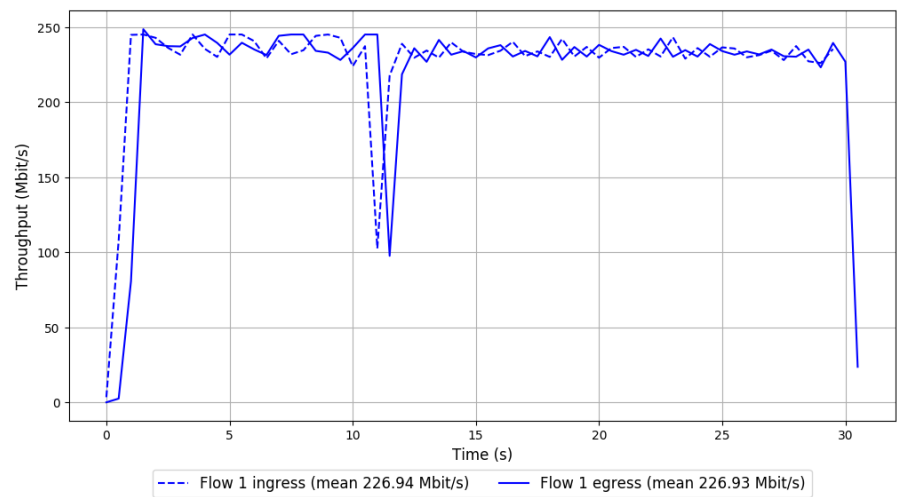


Run 10: Statistics of TCP BBR

Start at: 2018-07-20 04:44:12
End at: 2018-07-20 04:44:42
Local clock offset: -0.508 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-20 05:17:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.93 Mbit/s
95th percentile per-packet one-way delay: 57.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.93 Mbit/s
95th percentile per-packet one-way delay: 57.824 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

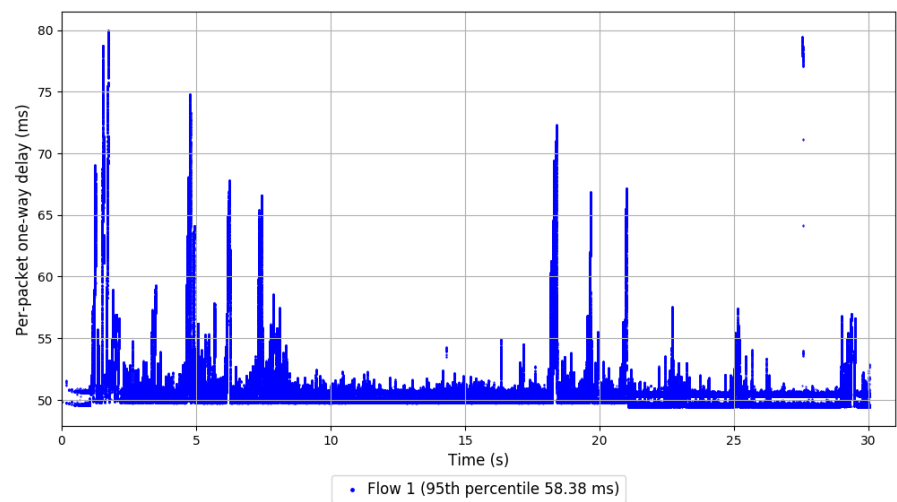
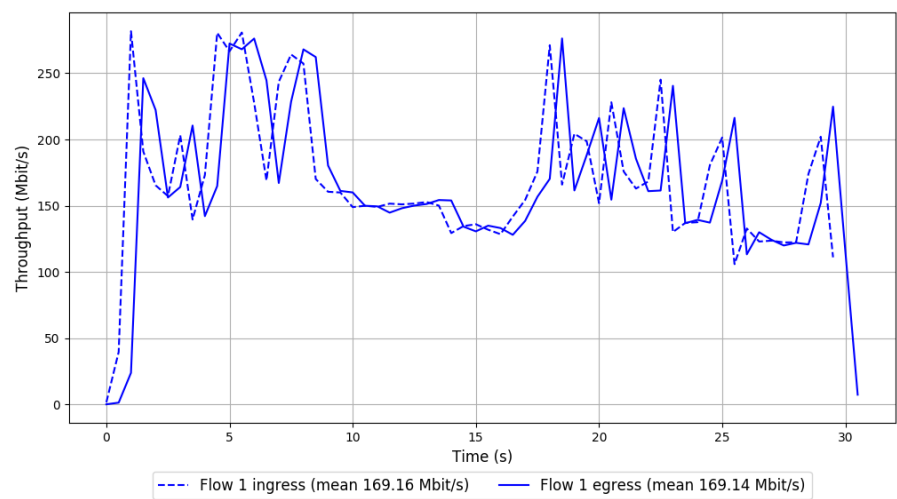


Run 1: Statistics of Copa

Start at: 2018-07-20 01:24:07
End at: 2018-07-20 01:24:37
Local clock offset: -0.012 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-20 05:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 58.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 58.383 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-20 01:46:03

End at: 2018-07-20 01:46:33

Local clock offset: 0.557 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-20 05:19:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.43 Mbit/s

95th percentile per-packet one-way delay: 52.620 ms

Loss rate: 0.00%

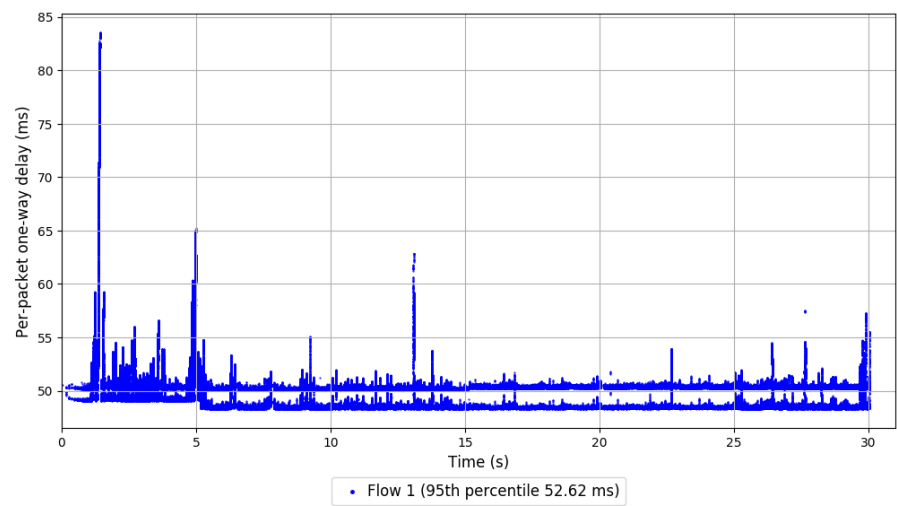
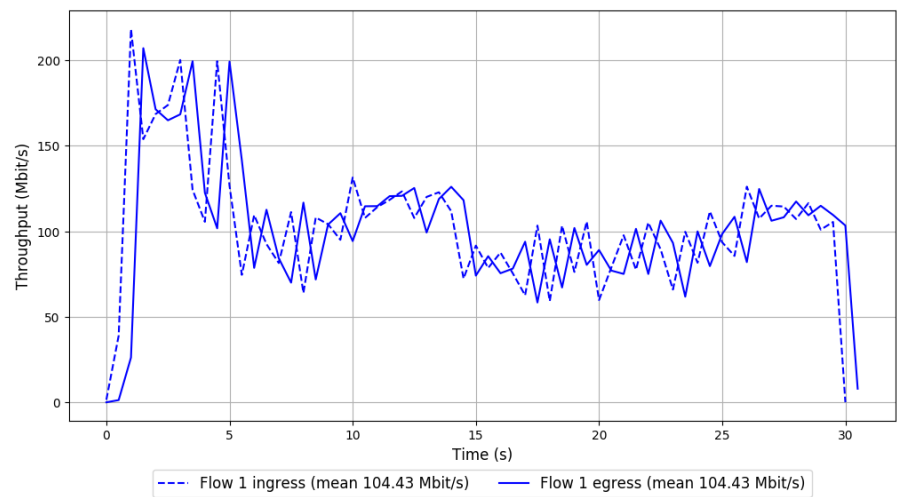
-- Flow 1:

Average throughput: 104.43 Mbit/s

95th percentile per-packet one-way delay: 52.620 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

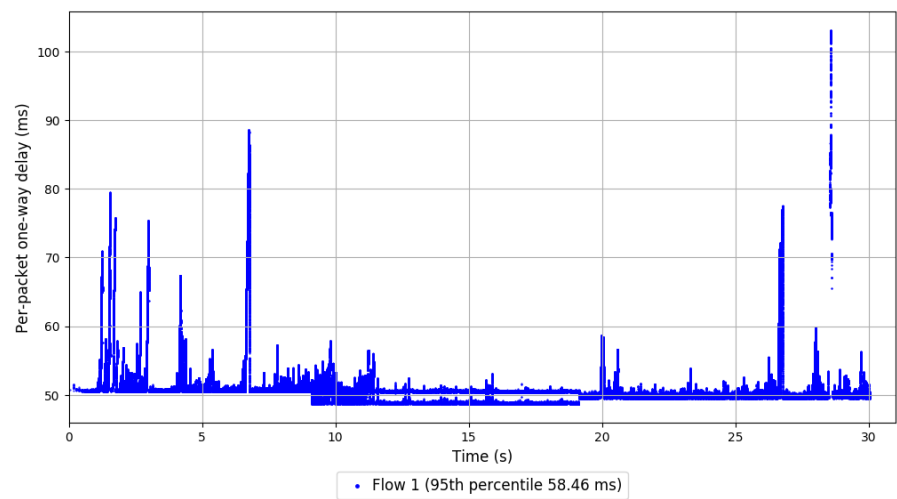
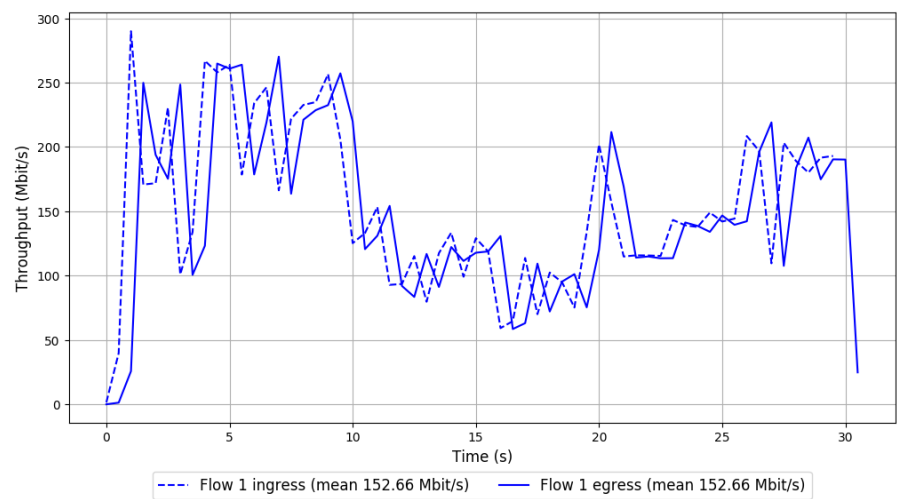


Run 3: Statistics of Copa

Start at: 2018-07-20 02:07:49
End at: 2018-07-20 02:08:19
Local clock offset: -0.158 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-20 05:19:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.66 Mbit/s
95th percentile per-packet one-way delay: 58.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.66 Mbit/s
95th percentile per-packet one-way delay: 58.461 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

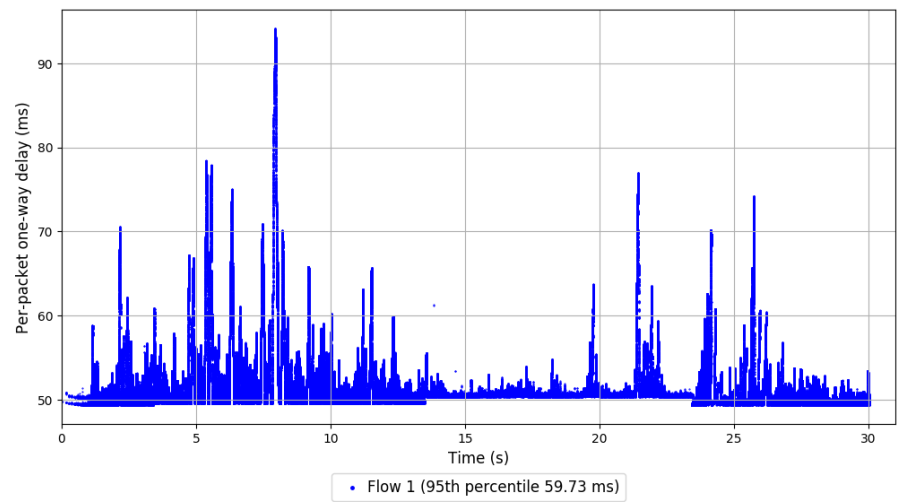
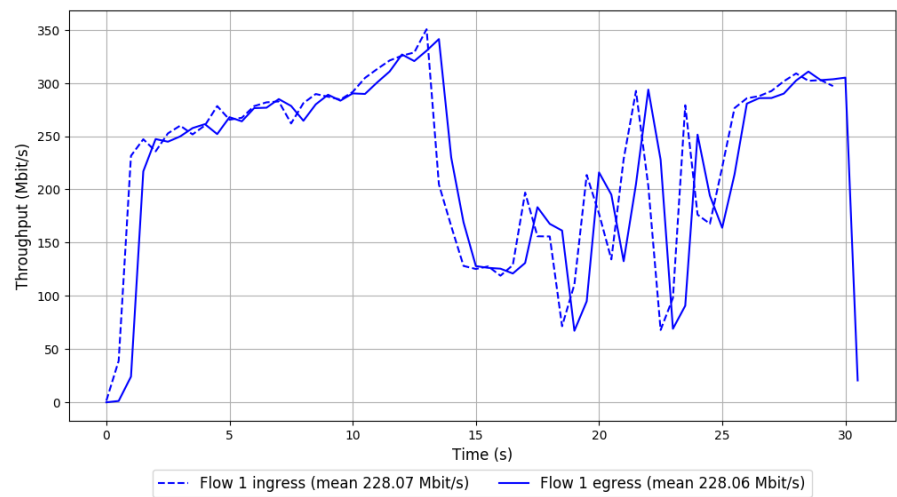


Run 4: Statistics of Copa

Start at: 2018-07-20 02:29:45
End at: 2018-07-20 02:30:15
Local clock offset: -0.147 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 05:20:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.06 Mbit/s
95th percentile per-packet one-way delay: 59.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.06 Mbit/s
95th percentile per-packet one-way delay: 59.728 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

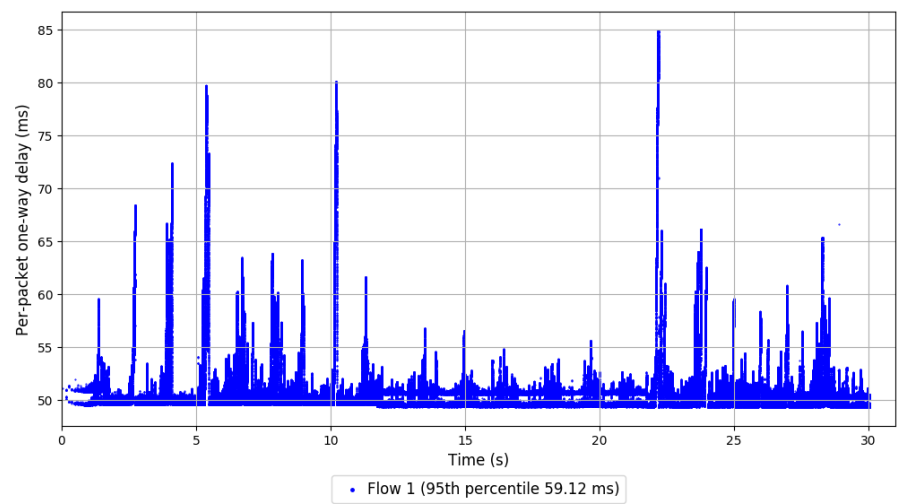
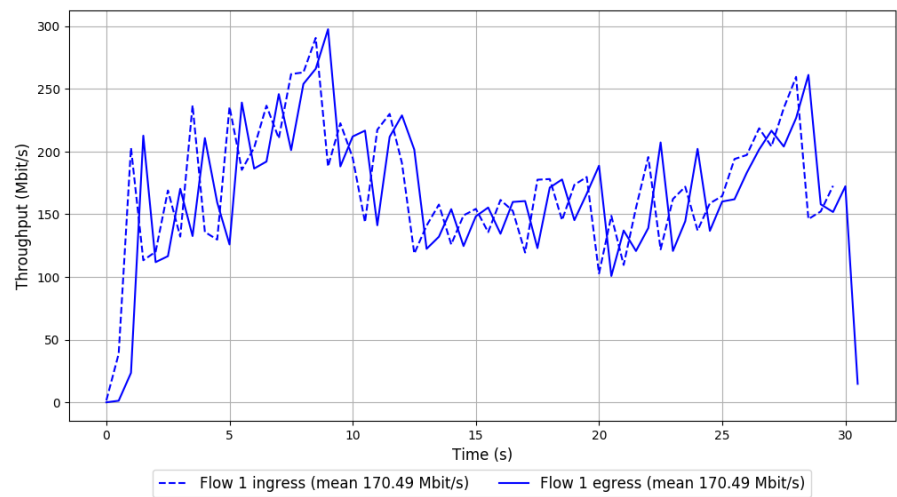


Run 5: Statistics of Copa

Start at: 2018-07-20 02:51:36
End at: 2018-07-20 02:52:06
Local clock offset: 0.012 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-20 05:20:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.49 Mbit/s
95th percentile per-packet one-way delay: 59.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.49 Mbit/s
95th percentile per-packet one-way delay: 59.121 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

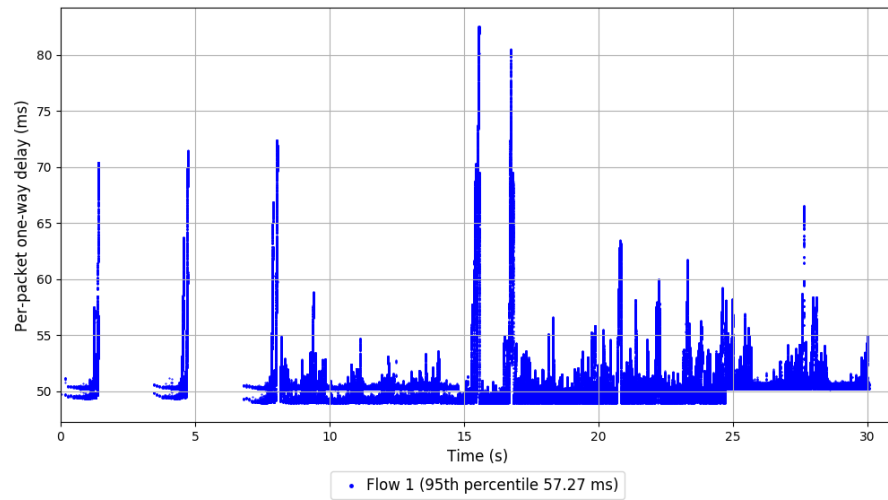
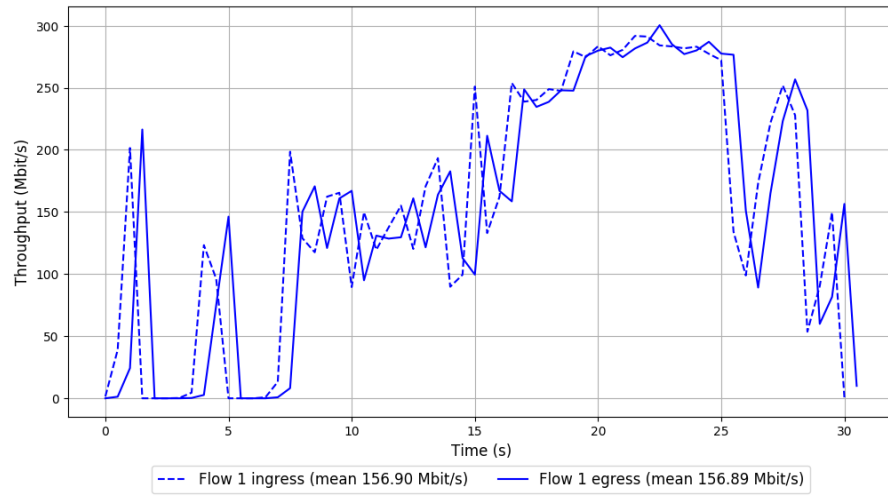


Run 6: Statistics of Copa

Start at: 2018-07-20 03:13:33
End at: 2018-07-20 03:14:03
Local clock offset: -0.089 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-20 05:20:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.89 Mbit/s
95th percentile per-packet one-way delay: 57.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.89 Mbit/s
95th percentile per-packet one-way delay: 57.270 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

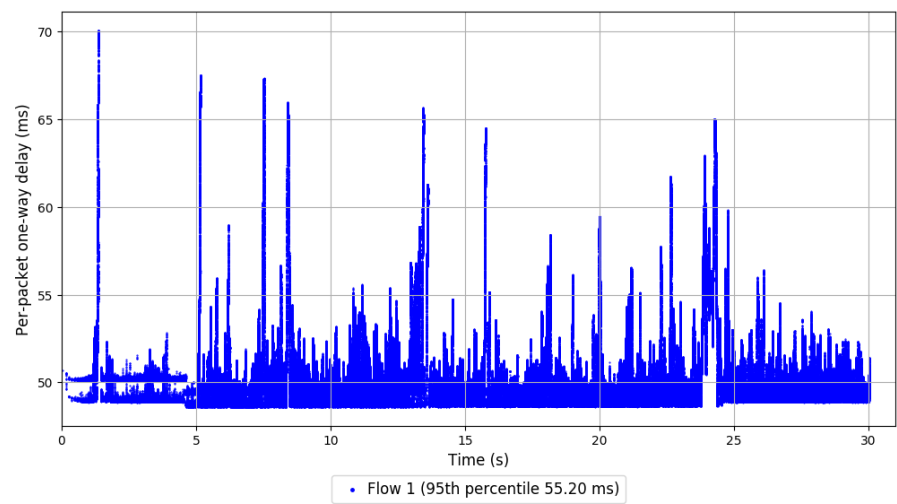
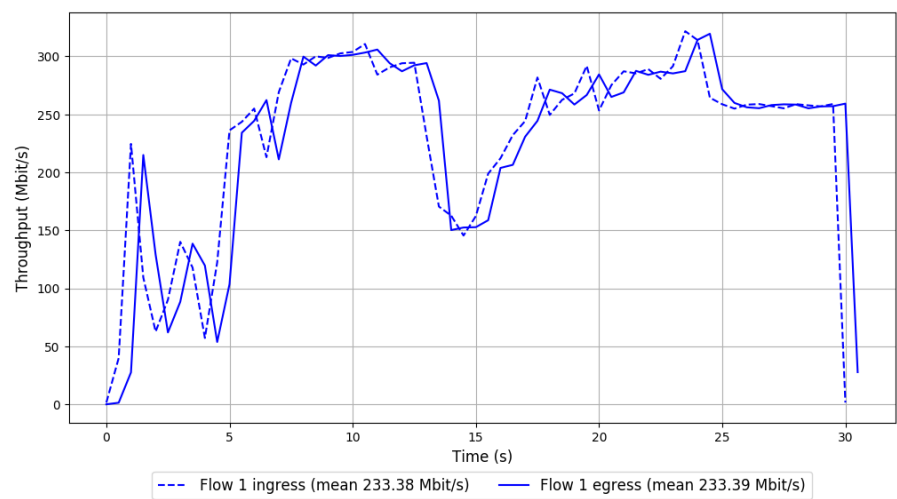


Run 7: Statistics of Copa

Start at: 2018-07-20 03:35:23
End at: 2018-07-20 03:35:54
Local clock offset: -0.08 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-20 05:24:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.39 Mbit/s
95th percentile per-packet one-way delay: 55.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.39 Mbit/s
95th percentile per-packet one-way delay: 55.195 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-20 03:57:30

End at: 2018-07-20 03:58:00

Local clock offset: -0.487 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-20 05:24:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.10 Mbit/s

95th percentile per-packet one-way delay: 57.005 ms

Loss rate: 0.00%

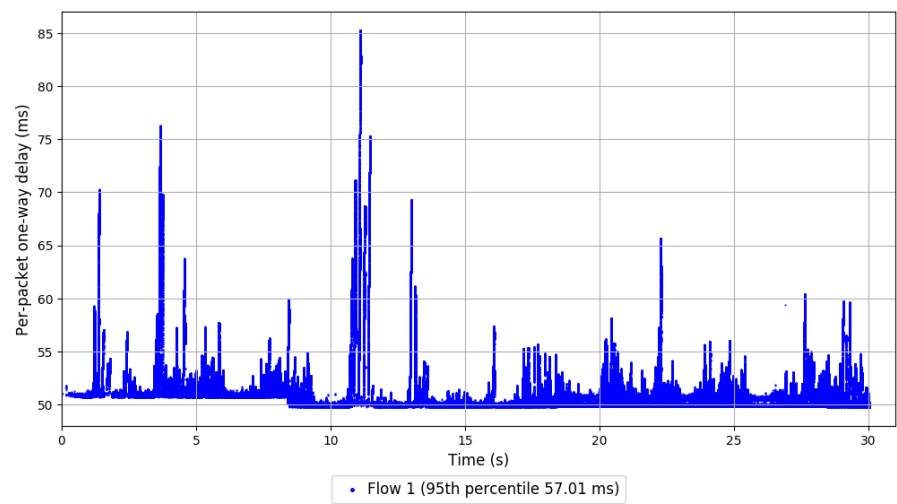
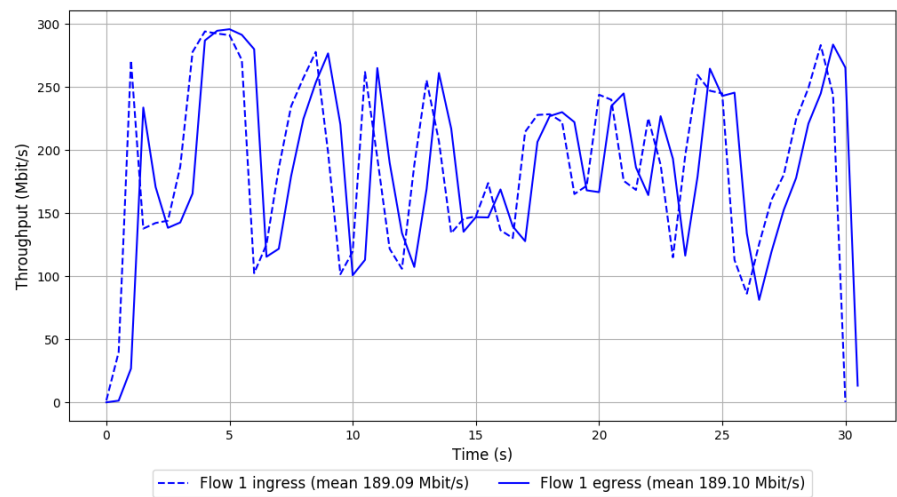
-- Flow 1:

Average throughput: 189.10 Mbit/s

95th percentile per-packet one-way delay: 57.005 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

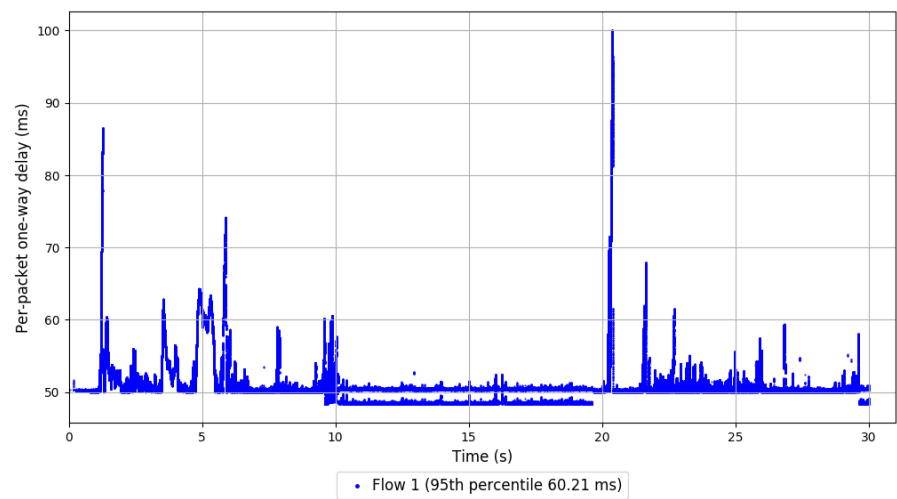
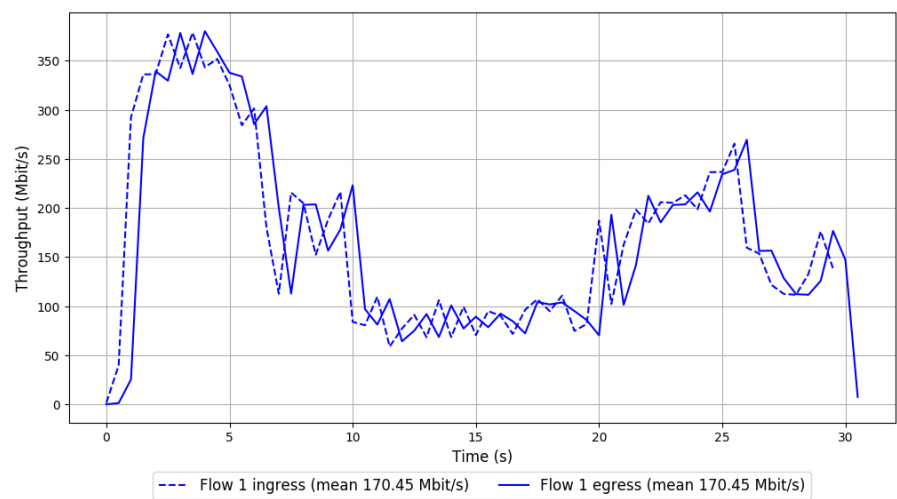


Run 9: Statistics of Copa

Start at: 2018-07-20 04:19:38
End at: 2018-07-20 04:20:08
Local clock offset: 0.196 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-20 05:24:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.45 Mbit/s
95th percentile per-packet one-way delay: 60.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.45 Mbit/s
95th percentile per-packet one-way delay: 60.209 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-20 04:41:34

End at: 2018-07-20 04:42:04

Local clock offset: -0.53 ms

Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-20 05:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.78 Mbit/s

95th percentile per-packet one-way delay: 54.125 ms

Loss rate: 0.00%

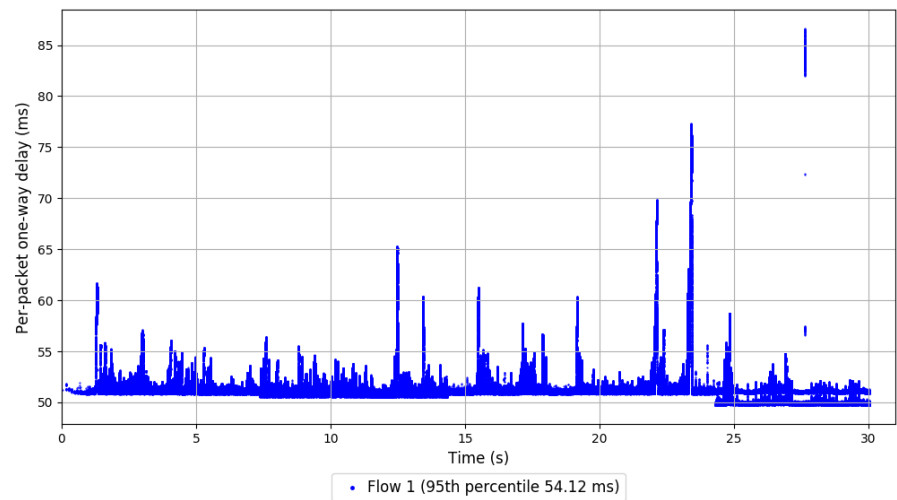
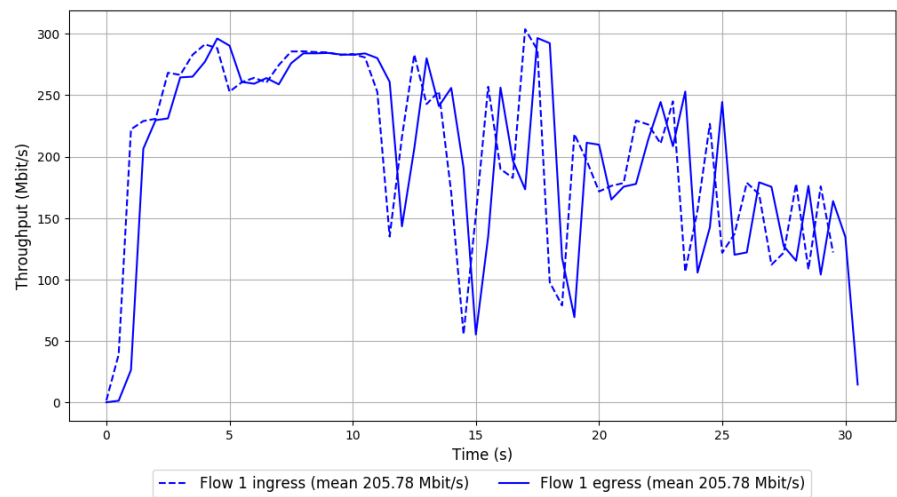
-- Flow 1:

Average throughput: 205.78 Mbit/s

95th percentile per-packet one-way delay: 54.125 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

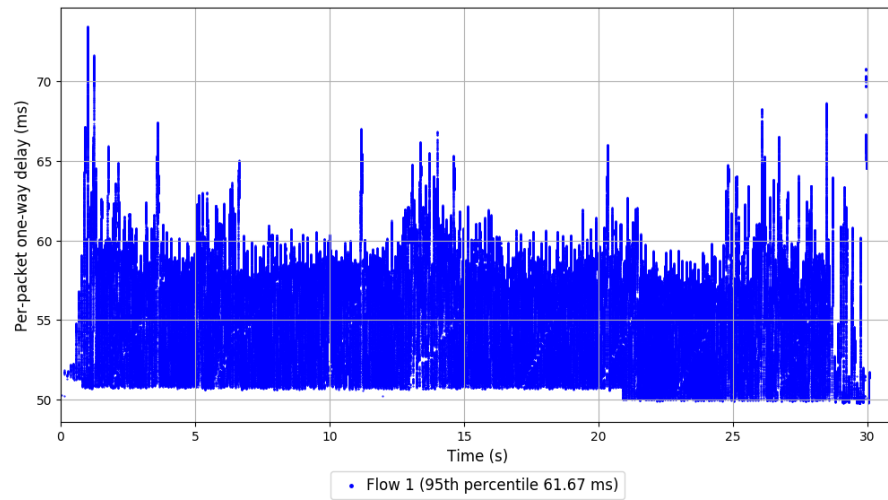
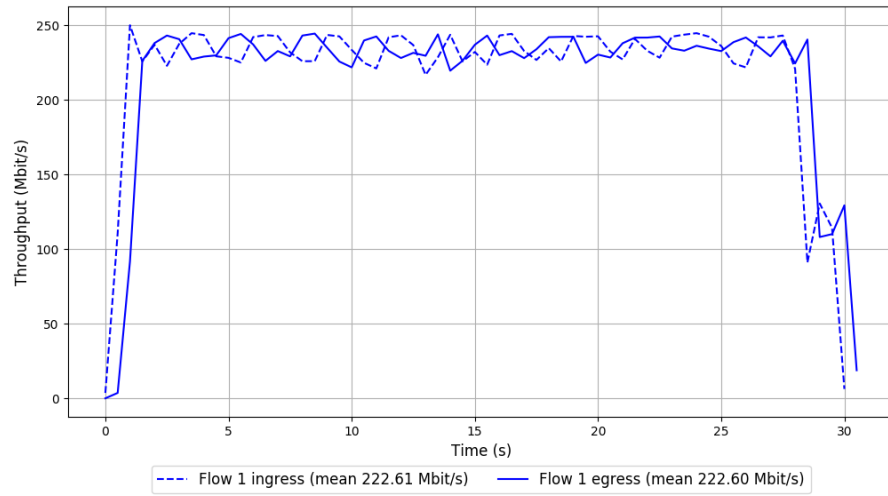


Run 1: Statistics of TCP Cubic

Start at: 2018-07-20 01:36:57
End at: 2018-07-20 01:37:27
Local clock offset: -0.217 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-20 05:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.60 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.60 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

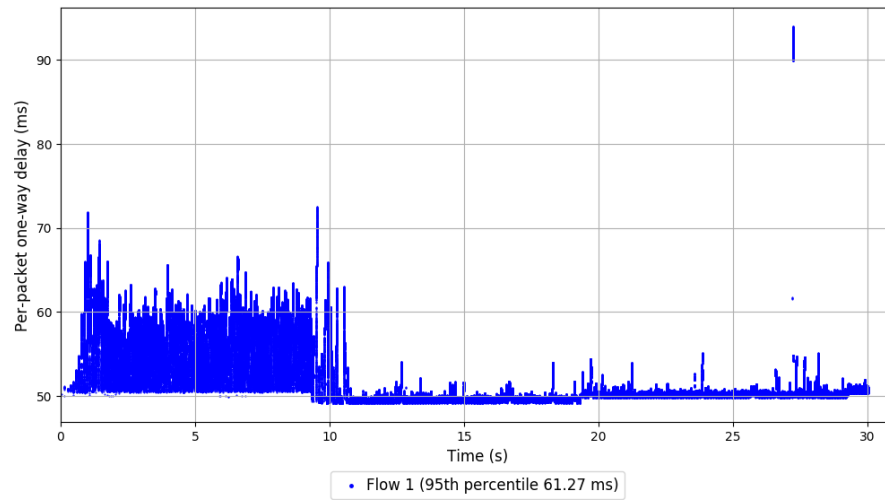
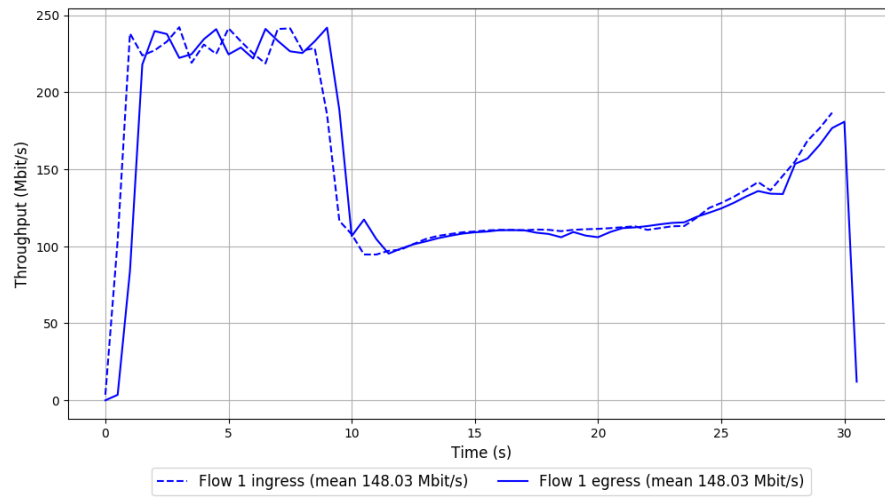


Run 2: Statistics of TCP Cubic

Start at: 2018-07-20 01:58:49
End at: 2018-07-20 01:59:19
Local clock offset: 0.292 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-20 05:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.03 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.03 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

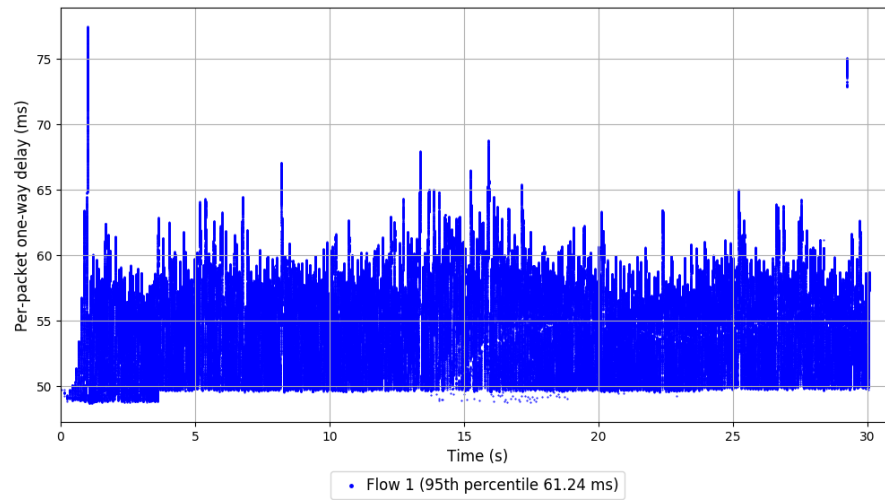
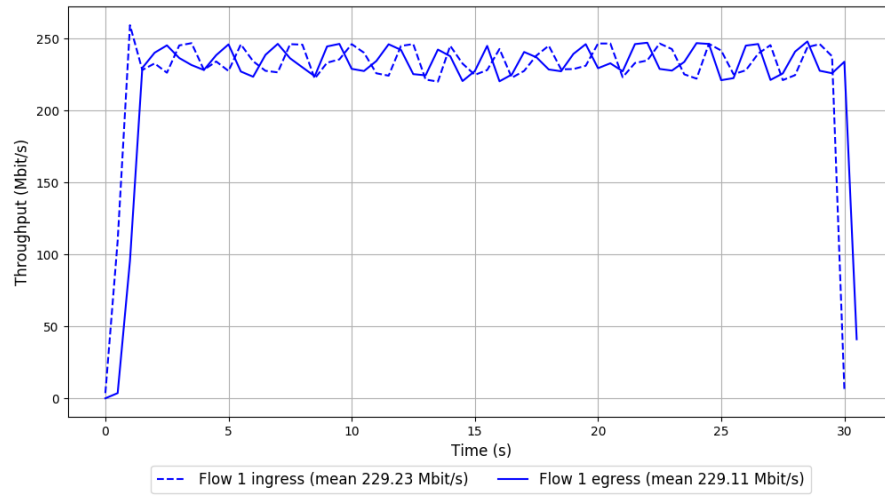


Run 3: Statistics of TCP Cubic

Start at: 2018-07-20 02:20:34
End at: 2018-07-20 02:21:04
Local clock offset: -0.219 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 05:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.11 Mbit/s
95th percentile per-packet one-way delay: 61.240 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 229.11 Mbit/s
95th percentile per-packet one-way delay: 61.240 ms
Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link

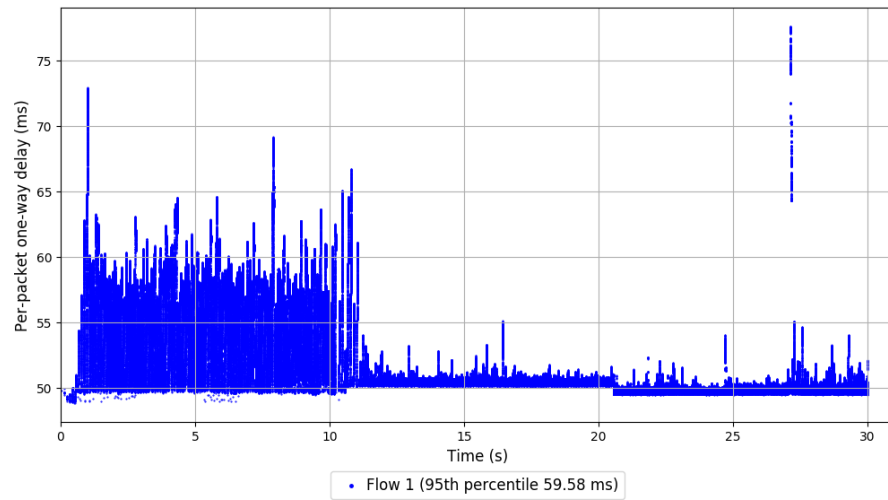
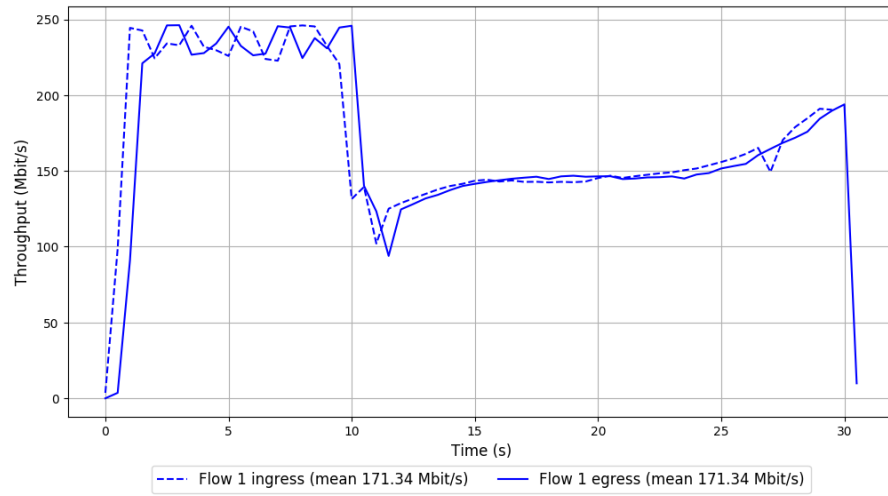


Run 4: Statistics of TCP Cubic

Start at: 2018-07-20 02:42:27
End at: 2018-07-20 02:42:57
Local clock offset: -0.055 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-20 05:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.34 Mbit/s
95th percentile per-packet one-way delay: 59.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.34 Mbit/s
95th percentile per-packet one-way delay: 59.580 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

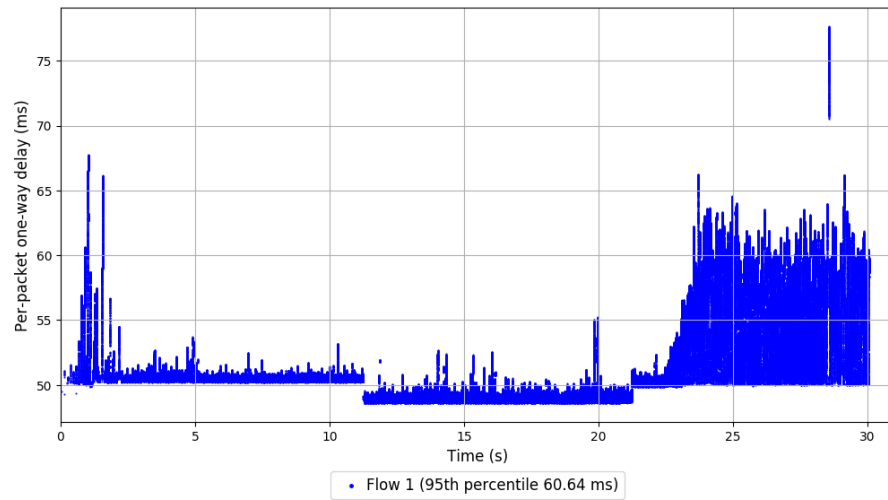
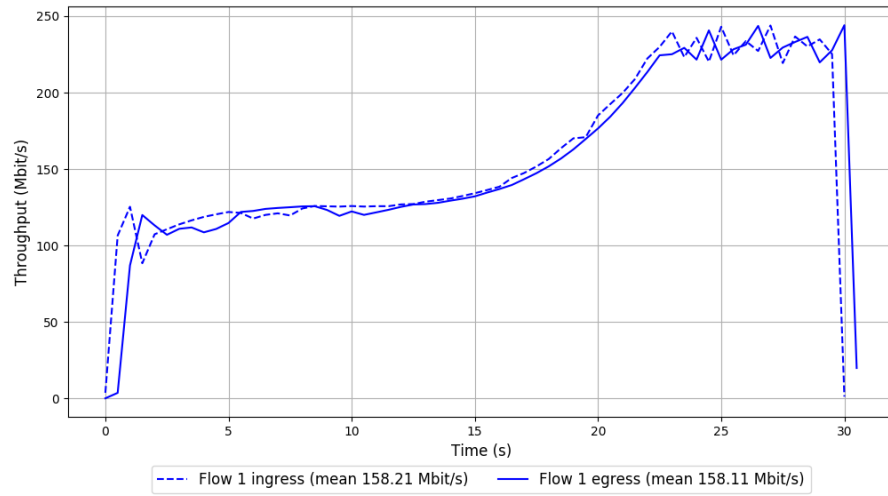


Run 5: Statistics of TCP Cubic

Start at: 2018-07-20 03:04:27
End at: 2018-07-20 03:04:57
Local clock offset: 0.286 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-20 05:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.11 Mbit/s
95th percentile per-packet one-way delay: 60.640 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 158.11 Mbit/s
95th percentile per-packet one-way delay: 60.640 ms
Loss rate: 0.04%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-20 03:26:22

End at: 2018-07-20 03:26:52

Local clock offset: -0.462 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 05:26:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.72 Mbit/s

95th percentile per-packet one-way delay: 61.690 ms

Loss rate: 0.03%

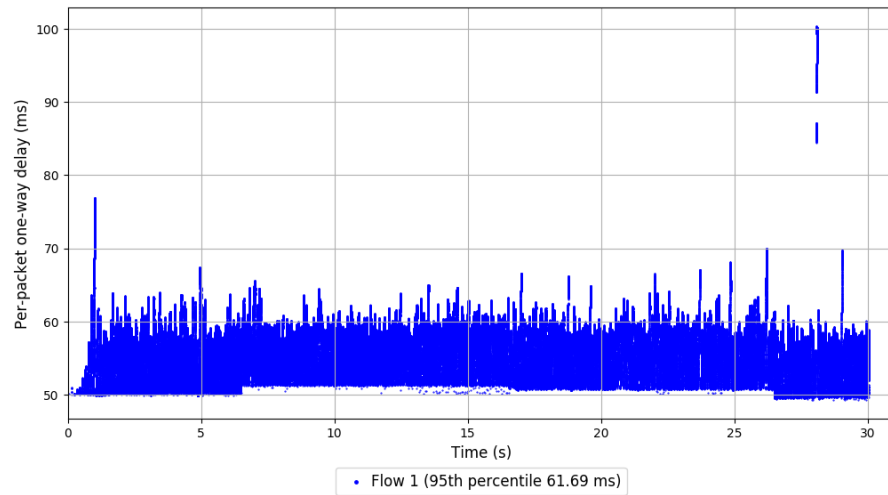
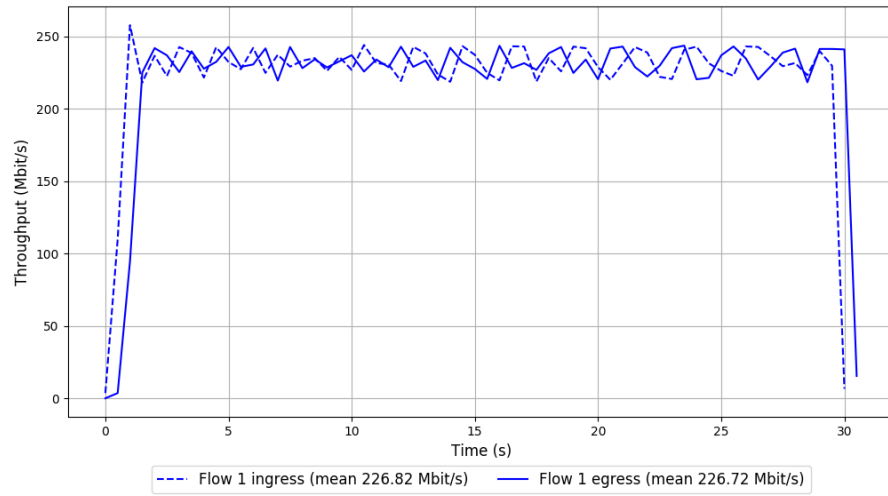
-- Flow 1:

Average throughput: 226.72 Mbit/s

95th percentile per-packet one-way delay: 61.690 ms

Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link

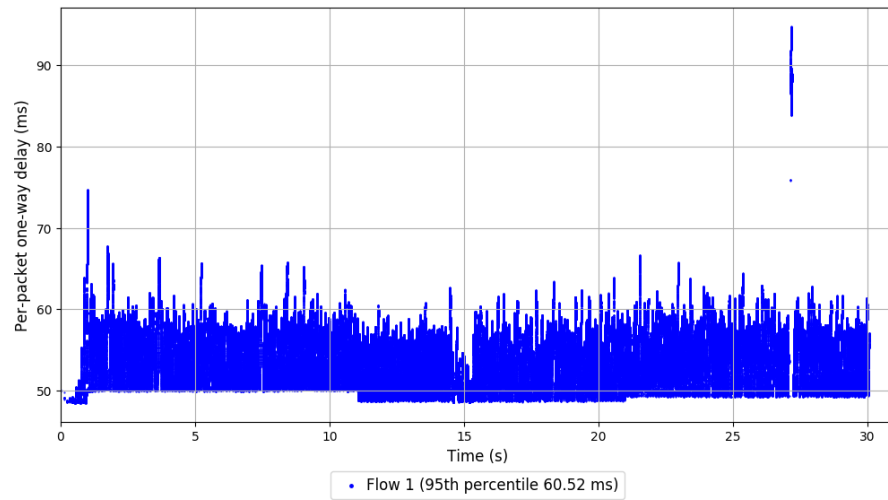
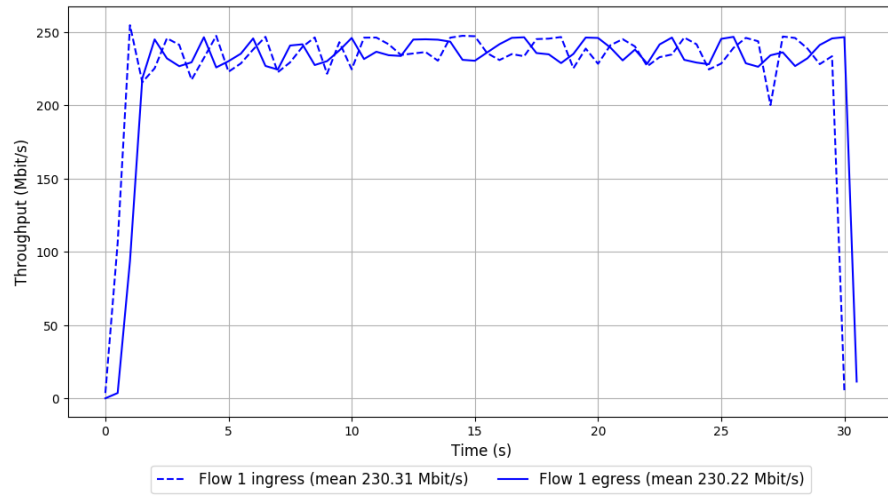


Run 7: Statistics of TCP Cubic

Start at: 2018-07-20 03:48:27
End at: 2018-07-20 03:48:57
Local clock offset: 0.266 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-20 05:26:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.22 Mbit/s
95th percentile per-packet one-way delay: 60.521 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 230.22 Mbit/s
95th percentile per-packet one-way delay: 60.521 ms
Loss rate: 0.04%

Run 7: Report of TCP Cubic — Data Link

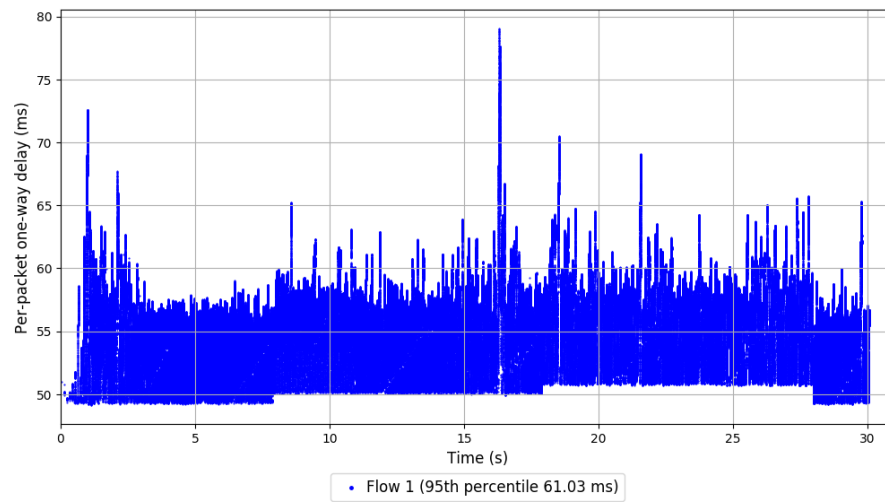
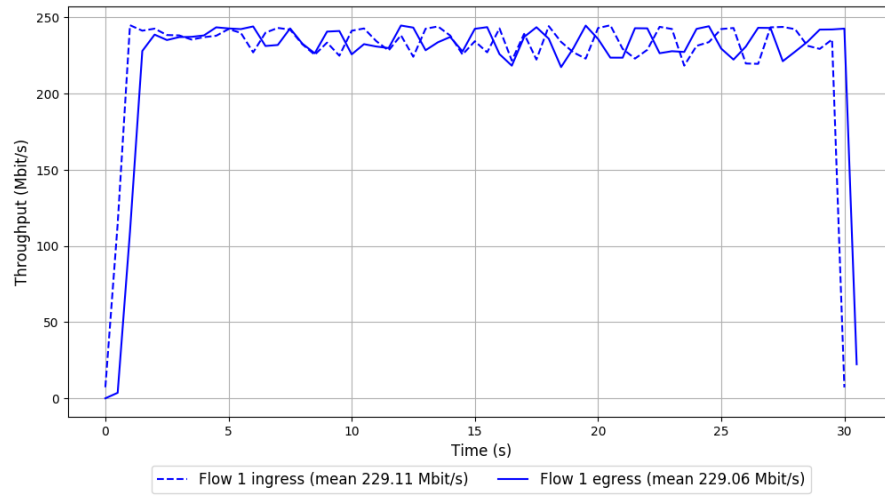


Run 8: Statistics of TCP Cubic

Start at: 2018-07-20 04:10:30
End at: 2018-07-20 04:11:00
Local clock offset: -0.516 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-20 05:26:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.06 Mbit/s
95th percentile per-packet one-way delay: 61.033 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 229.06 Mbit/s
95th percentile per-packet one-way delay: 61.033 ms
Loss rate: 0.01%

Run 8: Report of TCP Cubic — Data Link

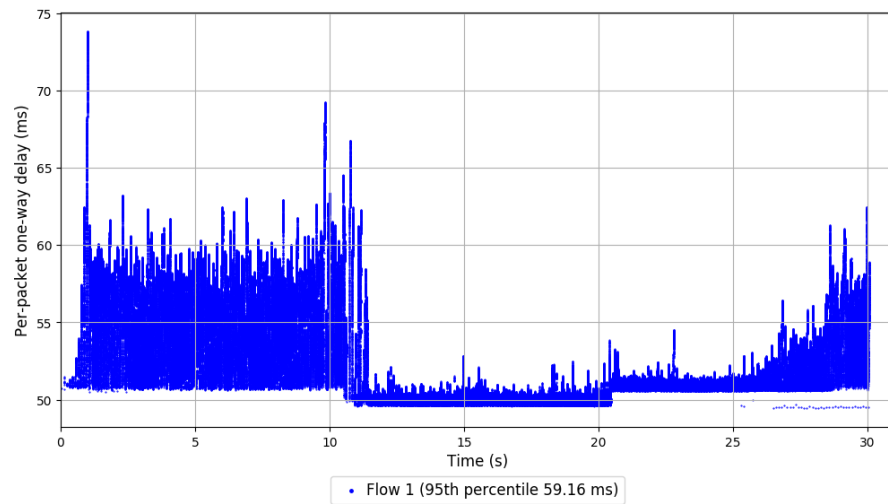
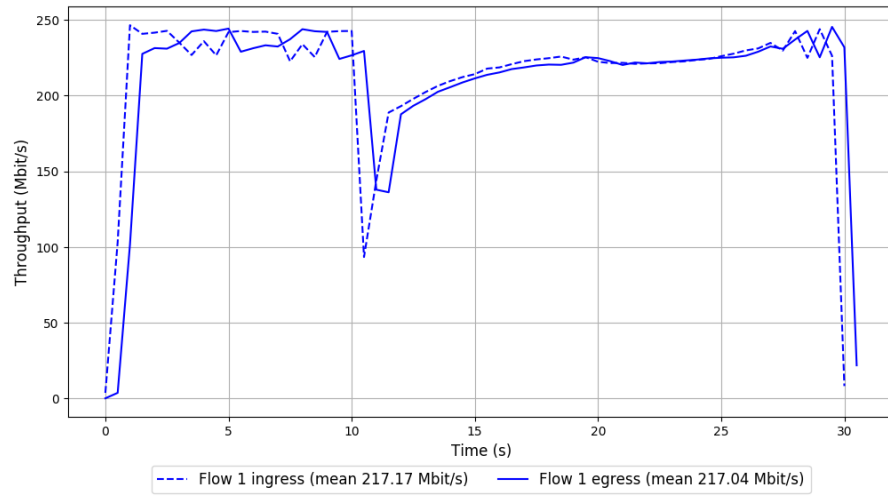


Run 9: Statistics of TCP Cubic

Start at: 2018-07-20 04:32:28
End at: 2018-07-20 04:32:58
Local clock offset: -0.151 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-20 05:26:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 59.157 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 59.157 ms
Loss rate: 0.04%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-20 04:54:23

End at: 2018-07-20 04:54:53

Local clock offset: -0.149 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-20 05:27:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.24 Mbit/s

95th percentile per-packet one-way delay: 62.936 ms

Loss rate: 0.00%

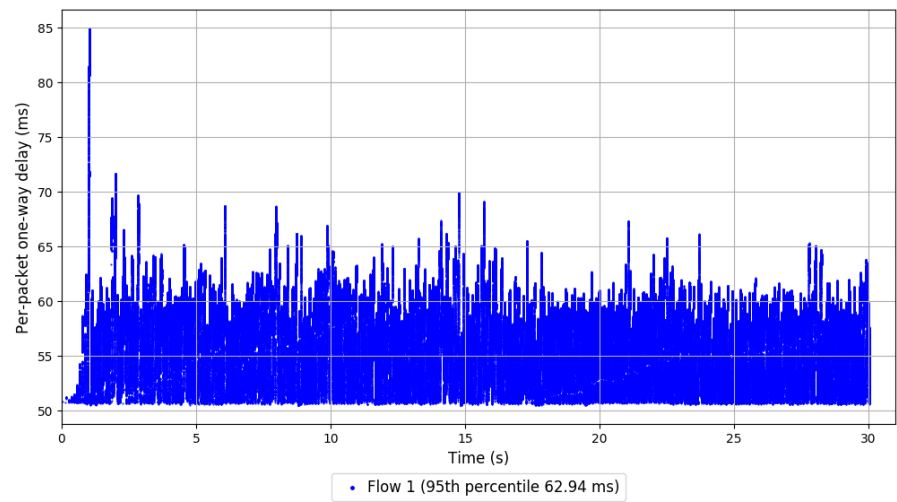
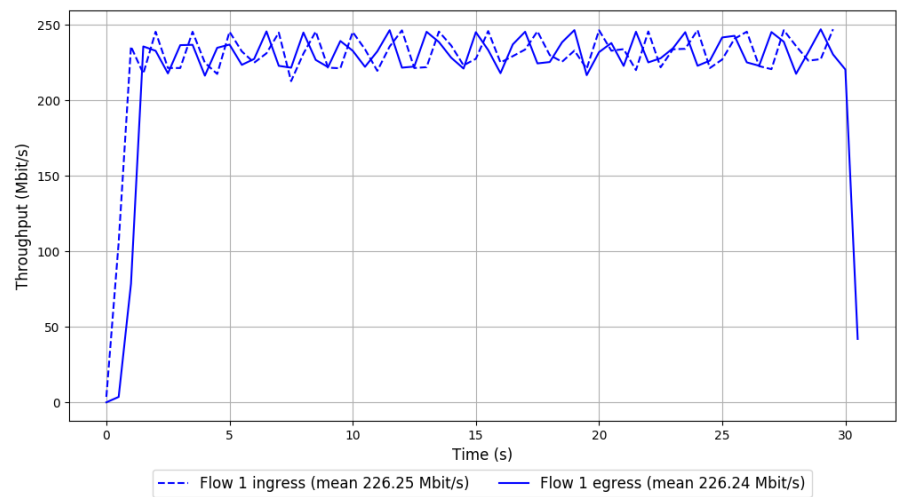
-- Flow 1:

Average throughput: 226.24 Mbit/s

95th percentile per-packet one-way delay: 62.936 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

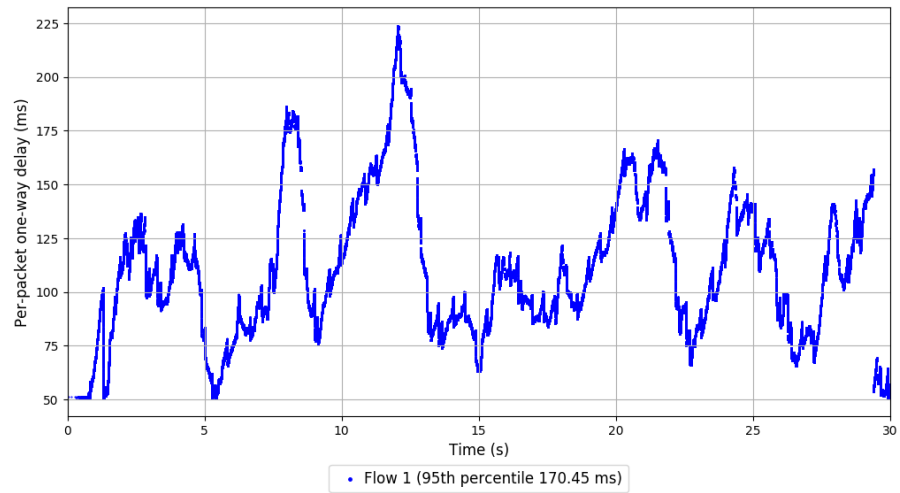
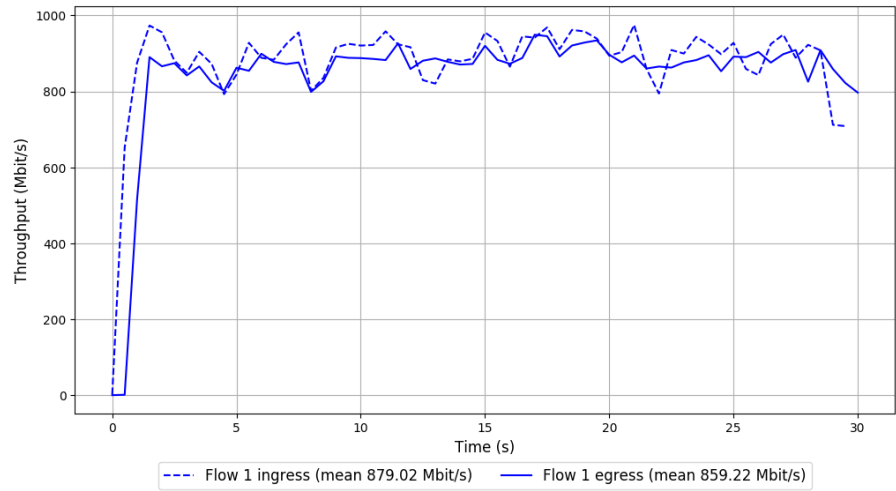


Run 1: Statistics of FillP

Start at: 2018-07-20 01:28:00
End at: 2018-07-20 01:28:30
Local clock offset: -0.26 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-20 05:41:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 859.22 Mbit/s
95th percentile per-packet one-way delay: 170.448 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 859.22 Mbit/s
95th percentile per-packet one-way delay: 170.448 ms
Loss rate: 2.26%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-20 01:49:50

End at: 2018-07-20 01:50:20

Local clock offset: 0.176 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-20 05:41:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 861.25 Mbit/s

95th percentile per-packet one-way delay: 172.813 ms

Loss rate: 2.90%

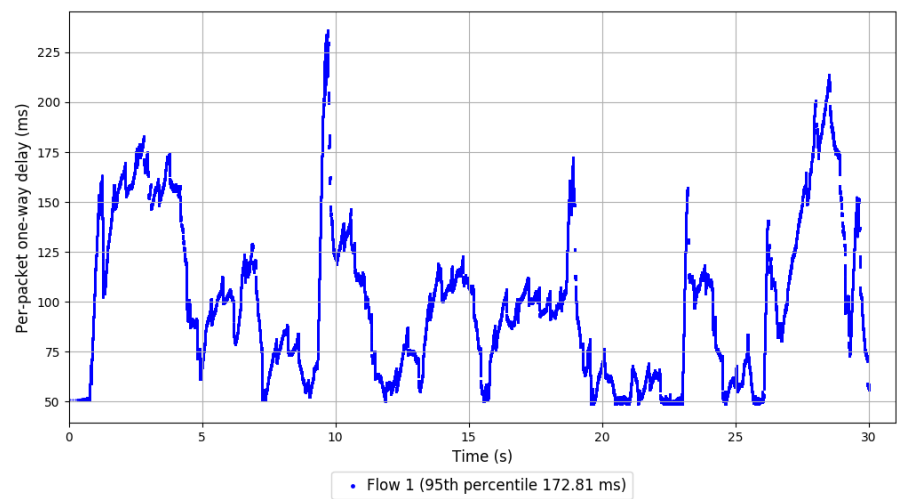
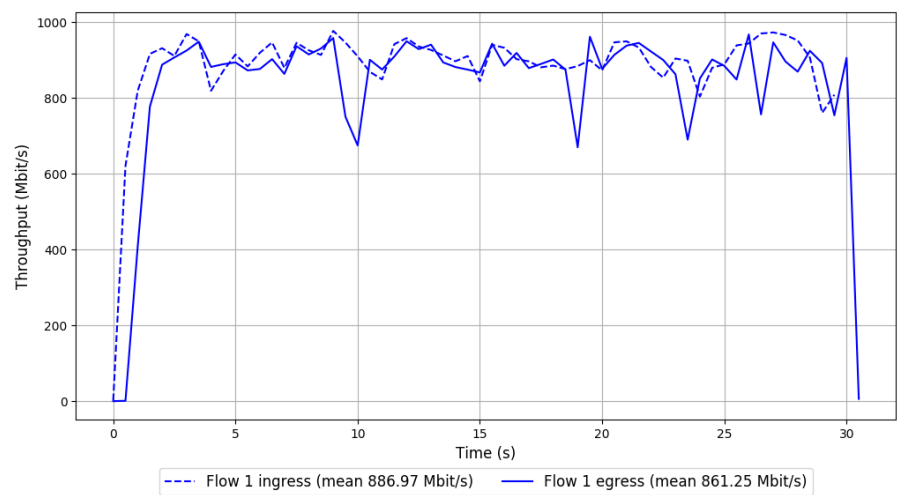
-- Flow 1:

Average throughput: 861.25 Mbit/s

95th percentile per-packet one-way delay: 172.813 ms

Loss rate: 2.90%

Run 2: Report of FillP — Data Link

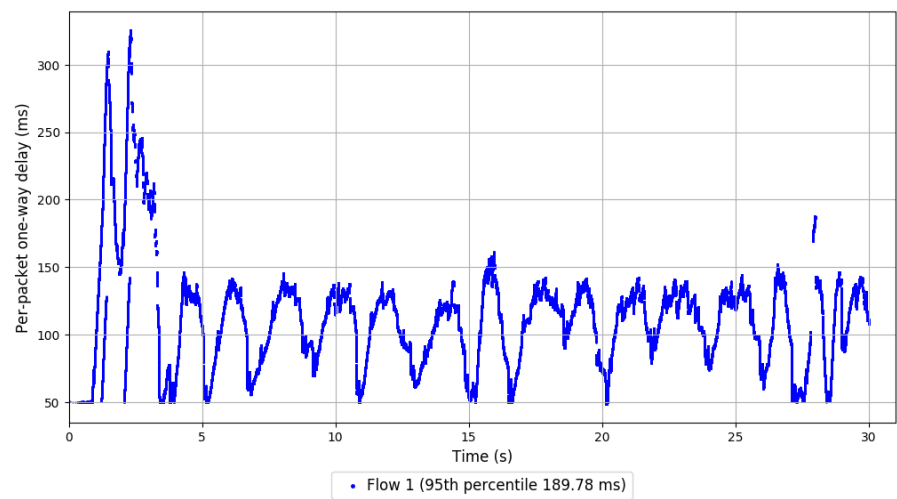
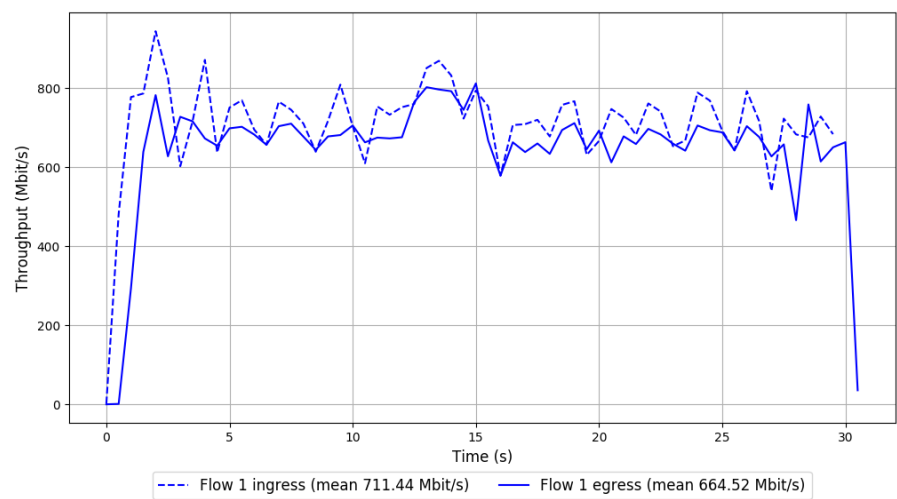


Run 3: Statistics of FillP

Start at: 2018-07-20 02:11:41
End at: 2018-07-20 02:12:11
Local clock offset: -0.207 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 05:41:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 664.52 Mbit/s
95th percentile per-packet one-way delay: 189.779 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 664.52 Mbit/s
95th percentile per-packet one-way delay: 189.779 ms
Loss rate: 6.59%

Run 3: Report of FillP — Data Link

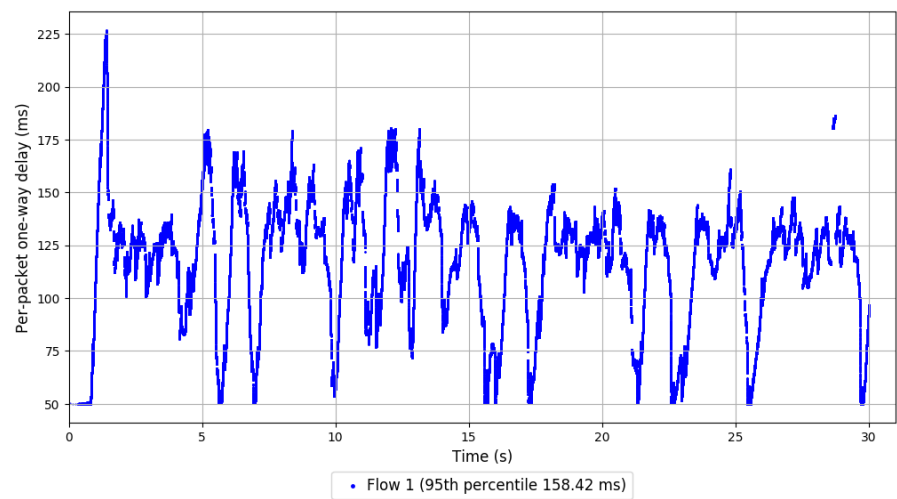
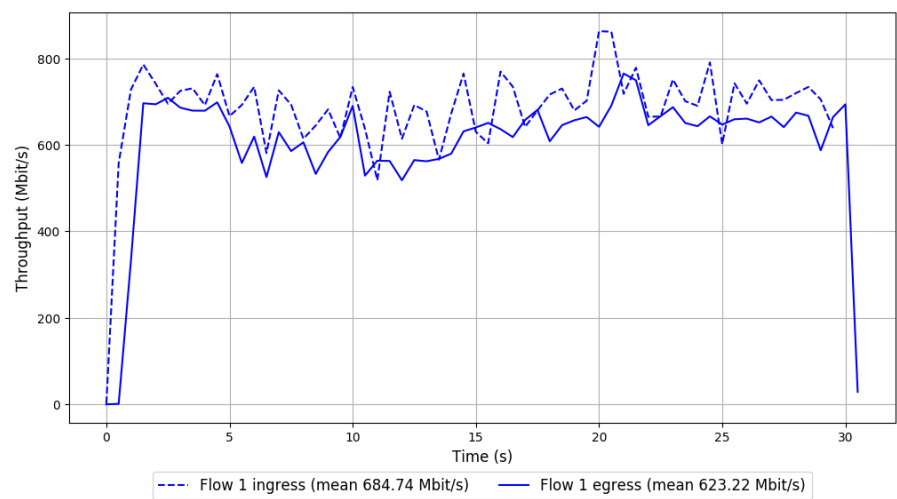


Run 4: Statistics of FillP

Start at: 2018-07-20 02:33:43
End at: 2018-07-20 02:34:13
Local clock offset: -0.45 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-20 05:41:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.22 Mbit/s
95th percentile per-packet one-way delay: 158.424 ms
Loss rate: 8.98%
-- Flow 1:
Average throughput: 623.22 Mbit/s
95th percentile per-packet one-way delay: 158.424 ms
Loss rate: 8.98%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-20 02:55:28

End at: 2018-07-20 02:55:58

Local clock offset: -0.003 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-20 05:42:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 791.74 Mbit/s

95th percentile per-packet one-way delay: 121.403 ms

Loss rate: 4.05%

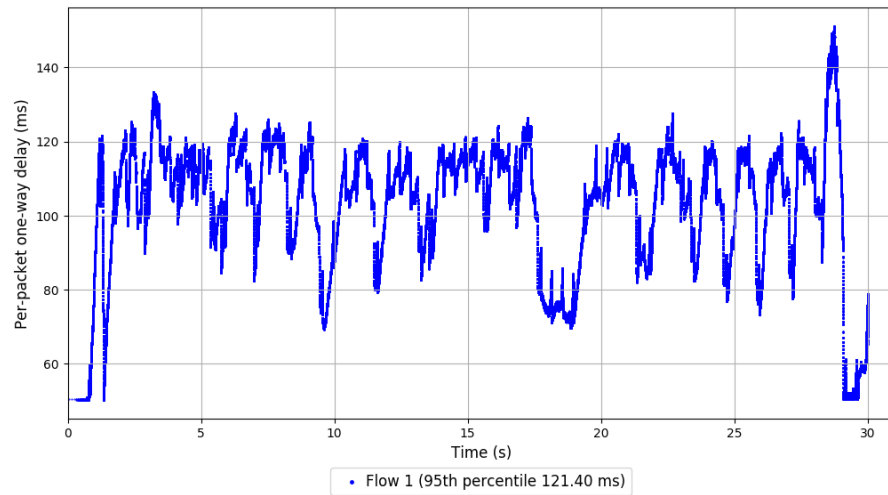
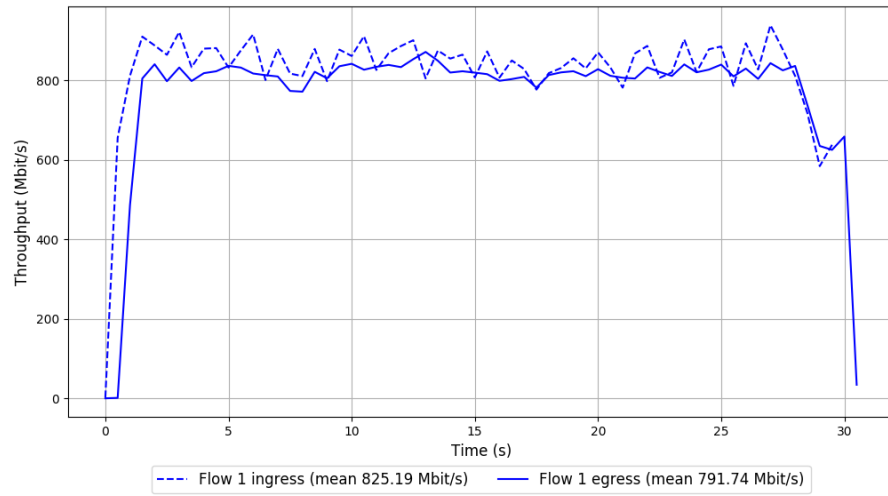
-- Flow 1:

Average throughput: 791.74 Mbit/s

95th percentile per-packet one-way delay: 121.403 ms

Loss rate: 4.05%

Run 5: Report of FillP — Data Link

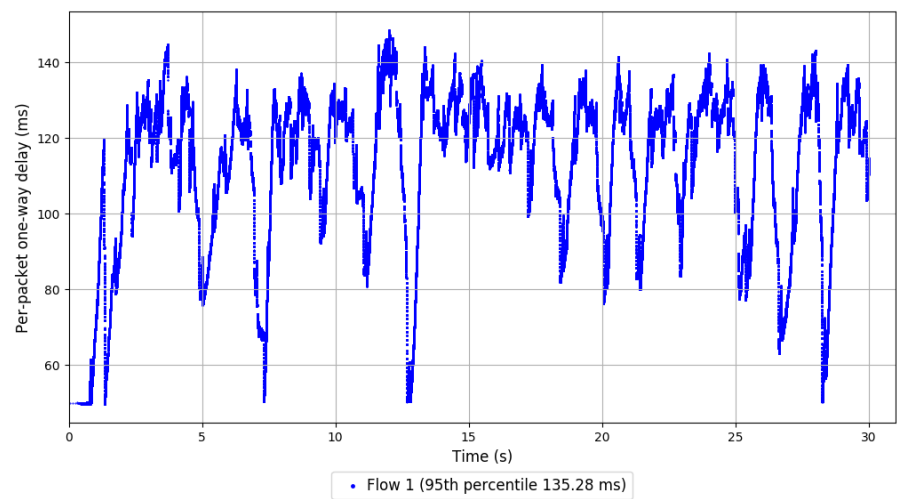
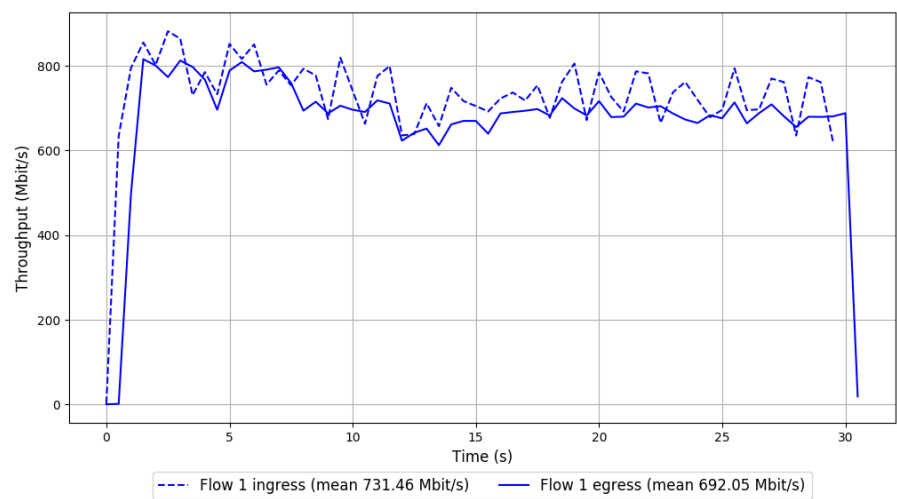


Run 6: Statistics of FillP

Start at: 2018-07-20 03:17:25
End at: 2018-07-20 03:17:55
Local clock offset: -0.12 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-20 05:42:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 692.05 Mbit/s
95th percentile per-packet one-way delay: 135.285 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 692.05 Mbit/s
95th percentile per-packet one-way delay: 135.285 ms
Loss rate: 5.38%

Run 6: Report of FillP — Data Link

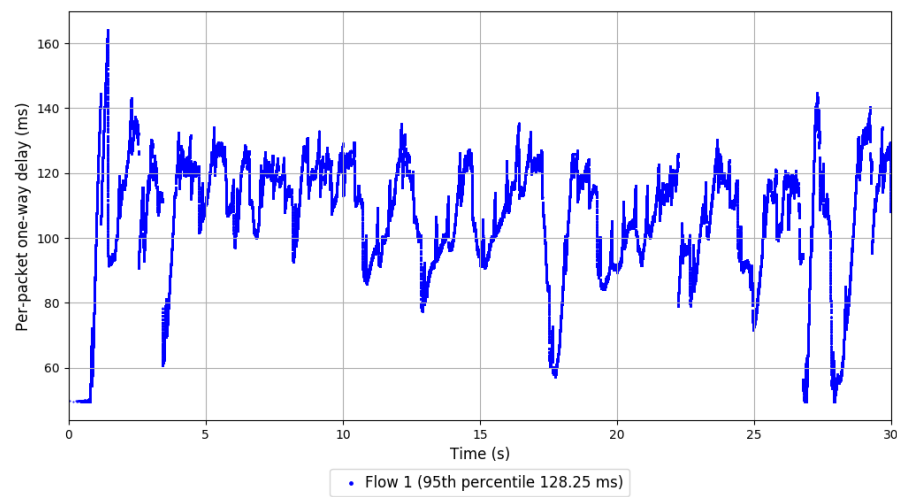
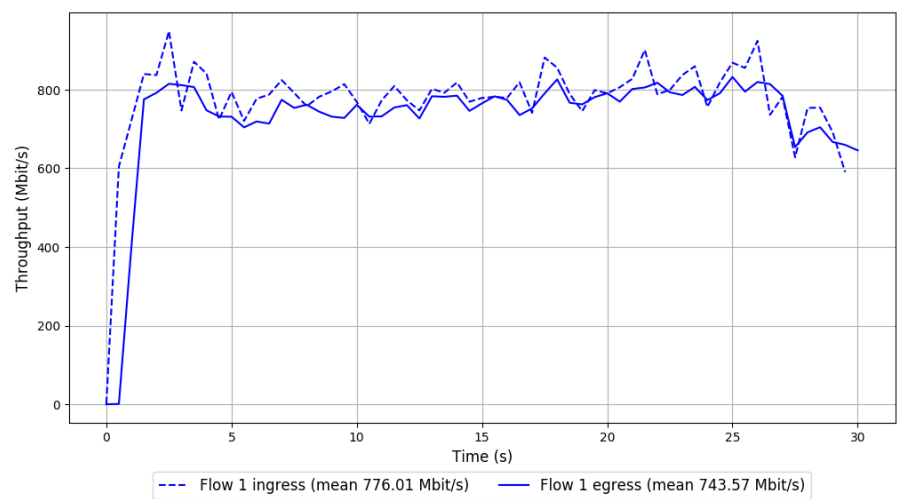


Run 7: Statistics of FillP

Start at: 2018-07-20 03:39:23
End at: 2018-07-20 03:39:53
Local clock offset: -0.13 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 05:42:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 743.57 Mbit/s
95th percentile per-packet one-way delay: 128.247 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 743.57 Mbit/s
95th percentile per-packet one-way delay: 128.247 ms
Loss rate: 4.17%

Run 7: Report of FillP — Data Link

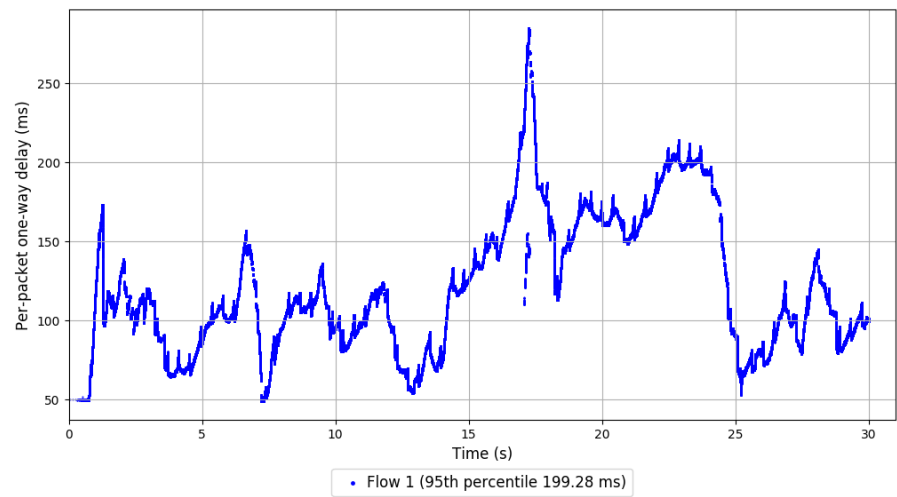
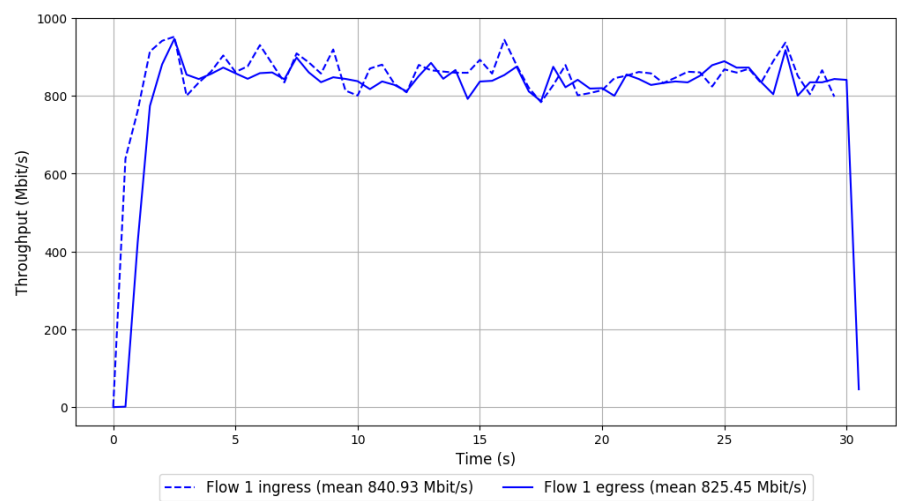


Run 8: Statistics of FillP

Start at: 2018-07-20 04:01:27
End at: 2018-07-20 04:01:57
Local clock offset: -0.532 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-20 05:44:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 825.45 Mbit/s
95th percentile per-packet one-way delay: 199.276 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 825.45 Mbit/s
95th percentile per-packet one-way delay: 199.276 ms
Loss rate: 1.83%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-20 04:23:33

End at: 2018-07-20 04:24:03

Local clock offset: 0.159 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-20 05:53:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 734.32 Mbit/s

95th percentile per-packet one-way delay: 129.807 ms

Loss rate: 3.71%

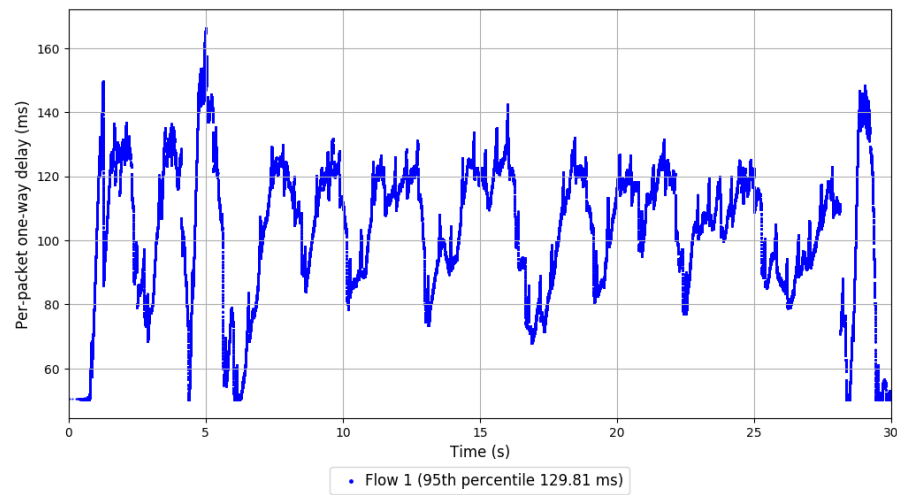
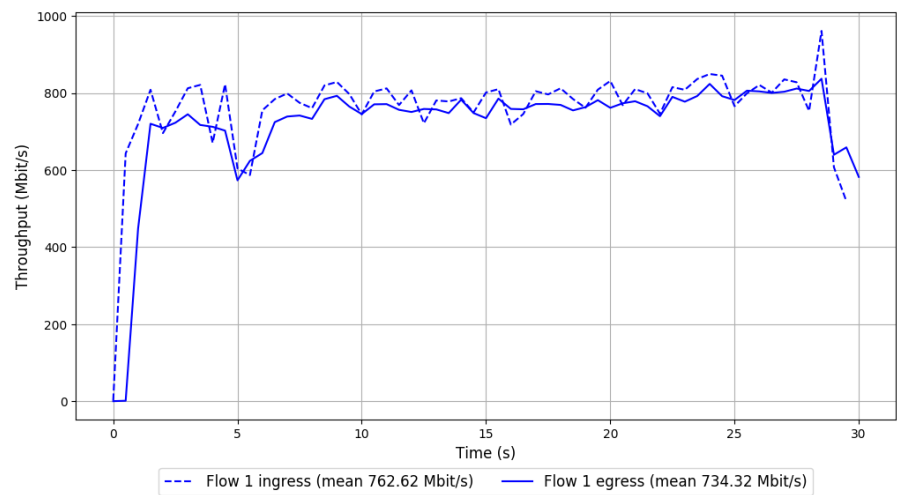
-- Flow 1:

Average throughput: 734.32 Mbit/s

95th percentile per-packet one-way delay: 129.807 ms

Loss rate: 3.71%

Run 9: Report of FillP — Data Link

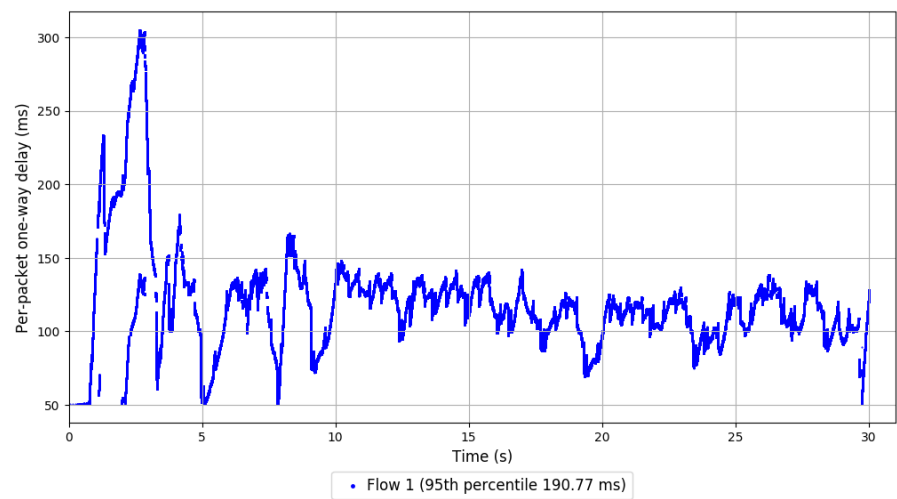
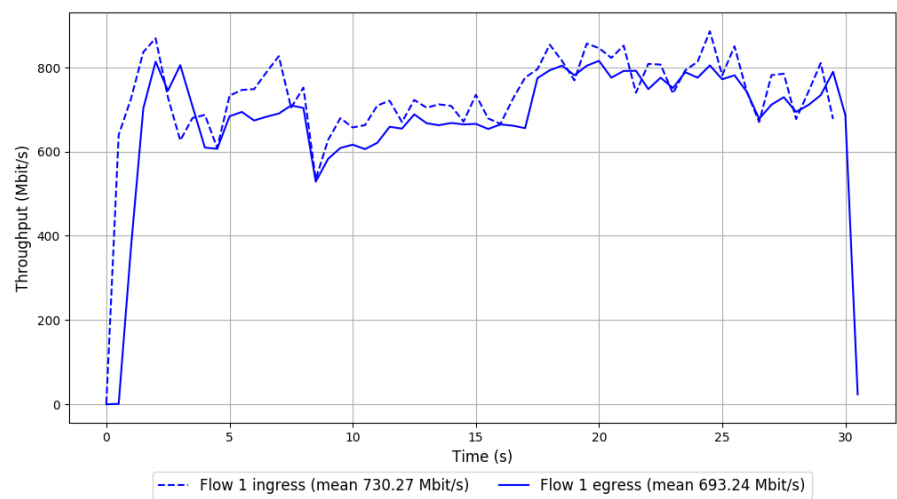


Run 10: Statistics of FillP

Start at: 2018-07-20 04:45:28
End at: 2018-07-20 04:45:58
Local clock offset: -0.144 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-20 05:53:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 693.24 Mbit/s
95th percentile per-packet one-way delay: 190.774 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 693.24 Mbit/s
95th percentile per-packet one-way delay: 190.774 ms
Loss rate: 5.07%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-20 01:39:39

End at: 2018-07-20 01:40:09

Local clock offset: 0.164 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-20 05:53:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 652.91 Mbit/s

95th percentile per-packet one-way delay: 98.226 ms

Loss rate: 0.14%

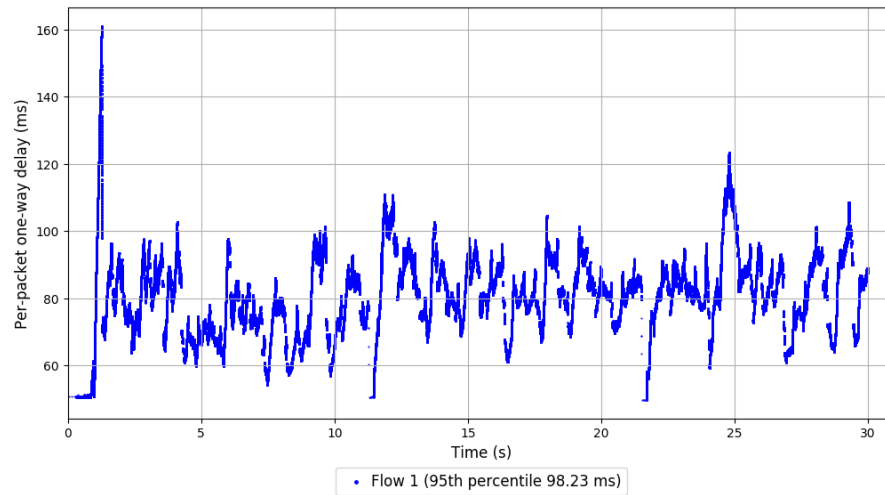
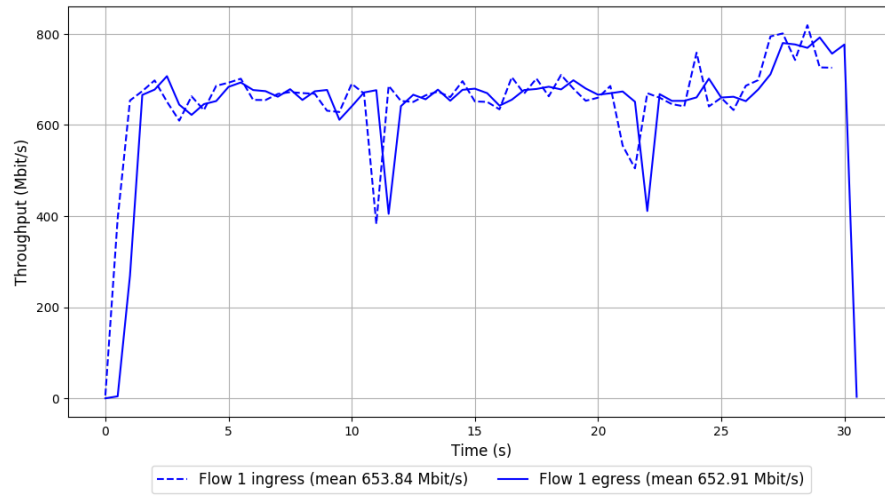
-- Flow 1:

Average throughput: 652.91 Mbit/s

95th percentile per-packet one-way delay: 98.226 ms

Loss rate: 0.14%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-20 02:01:29

End at: 2018-07-20 02:01:59

Local clock offset: -0.104 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-20 05:56:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.75 Mbit/s

95th percentile per-packet one-way delay: 108.185 ms

Loss rate: 0.26%

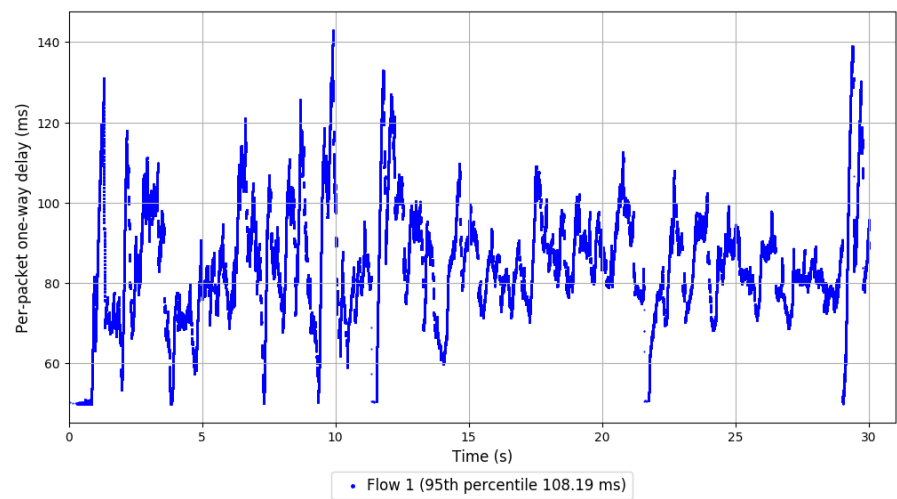
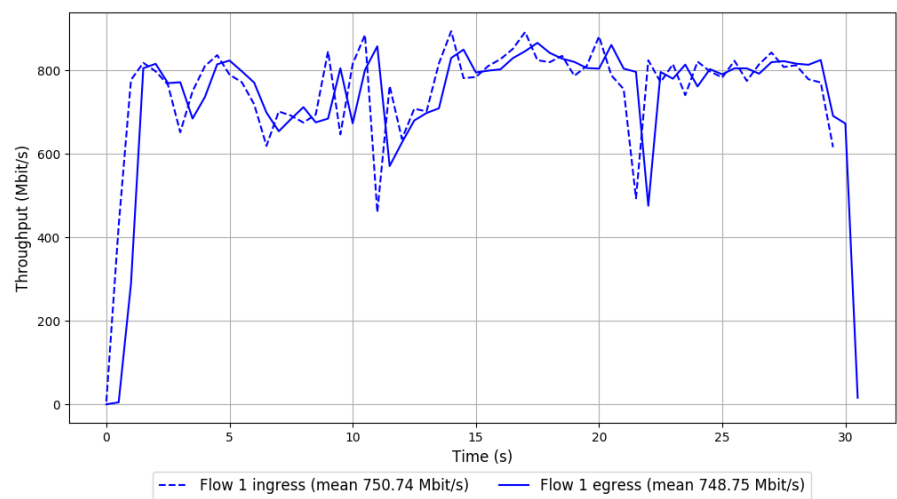
-- Flow 1:

Average throughput: 748.75 Mbit/s

95th percentile per-packet one-way delay: 108.185 ms

Loss rate: 0.26%

Run 2: Report of FillP-Sheep — Data Link

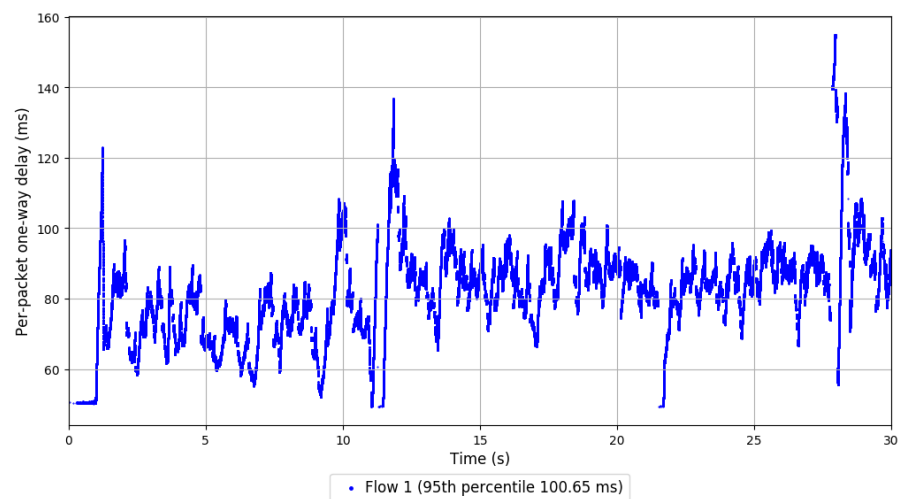
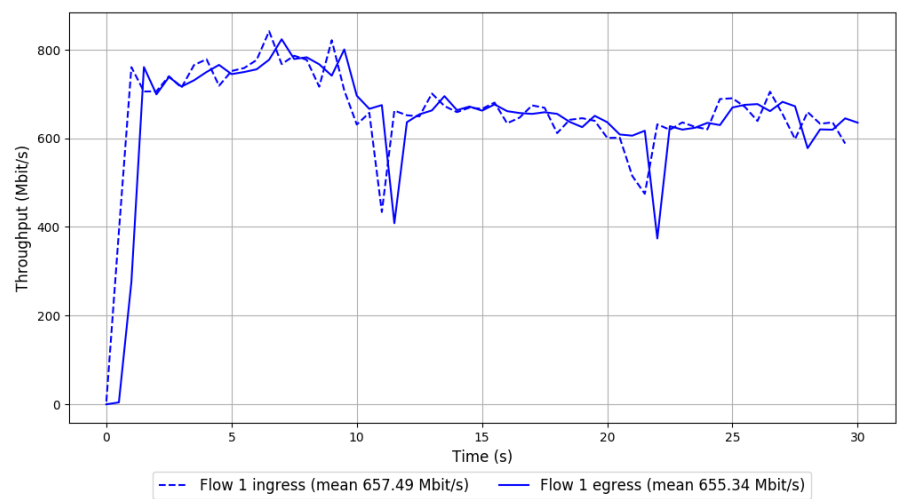


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-20 02:23:18
End at: 2018-07-20 02:23:48
Local clock offset: 0.171 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-20 05:56:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 655.34 Mbit/s
95th percentile per-packet one-way delay: 100.652 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 655.34 Mbit/s
95th percentile per-packet one-way delay: 100.652 ms
Loss rate: 0.33%

Run 3: Report of FillP-Sheep — Data Link

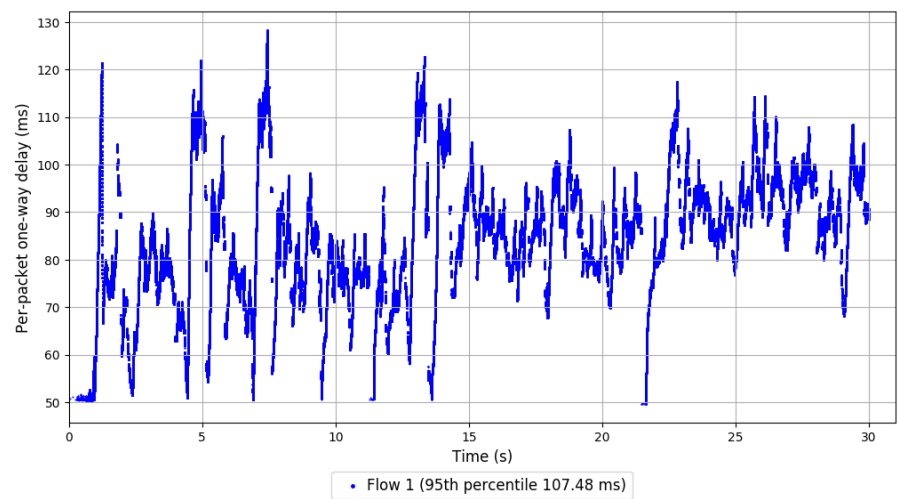
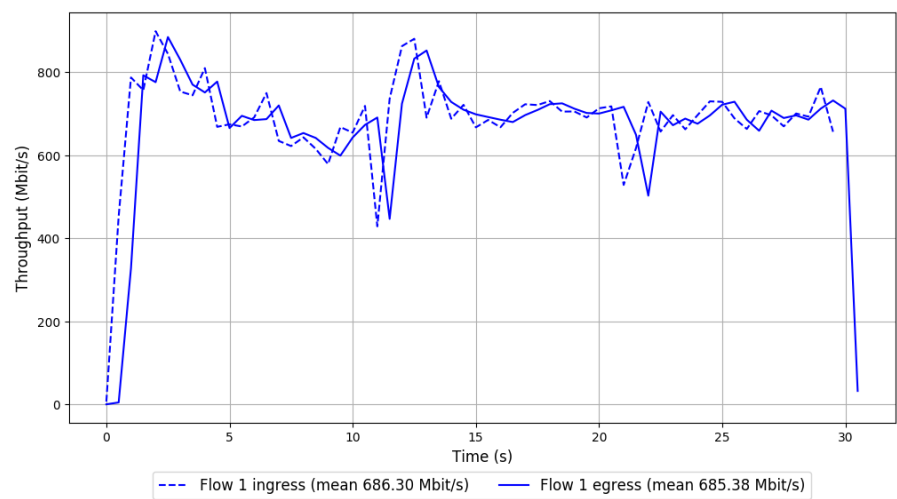


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-20 02:45:10
End at: 2018-07-20 02:45:40
Local clock offset: -0.077 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 05:56:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 685.38 Mbit/s
95th percentile per-packet one-way delay: 107.485 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 685.38 Mbit/s
95th percentile per-packet one-way delay: 107.485 ms
Loss rate: 0.13%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-20 03:07:05

End at: 2018-07-20 03:07:35

Local clock offset: -0.444 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-20 05:58:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 825.10 Mbit/s

95th percentile per-packet one-way delay: 97.419 ms

Loss rate: 0.12%

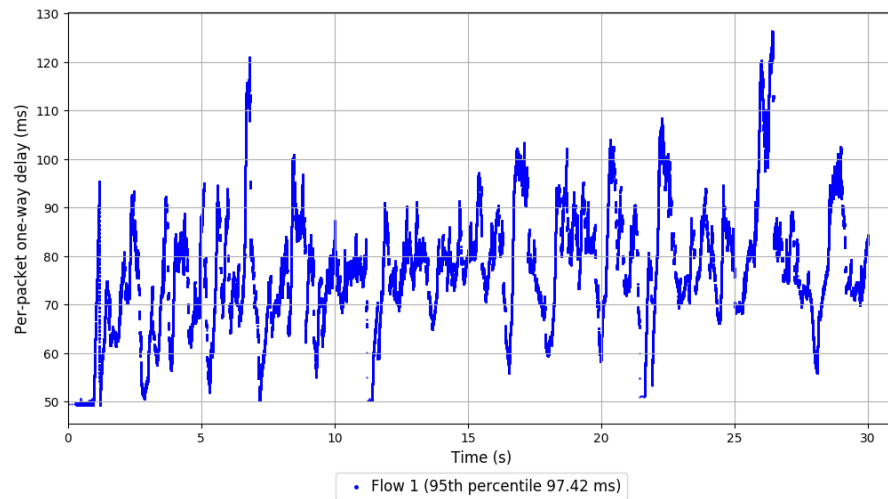
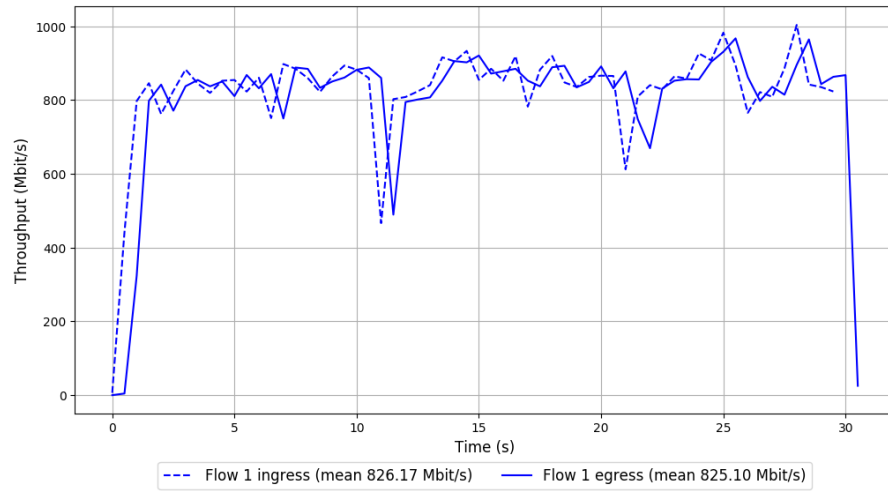
-- Flow 1:

Average throughput: 825.10 Mbit/s

95th percentile per-packet one-way delay: 97.419 ms

Loss rate: 0.12%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-20 03:29:04

End at: 2018-07-20 03:29:34

Local clock offset: -0.478 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-20 05:58:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 647.31 Mbit/s

95th percentile per-packet one-way delay: 100.267 ms

Loss rate: 0.22%

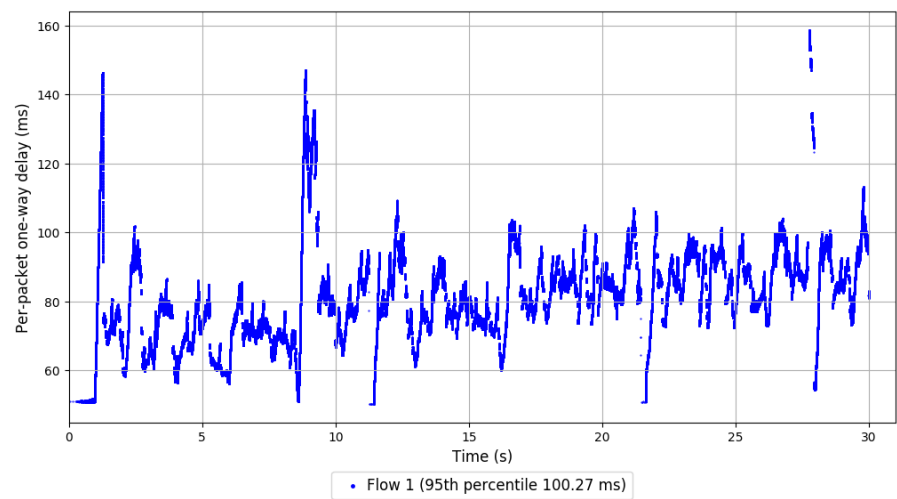
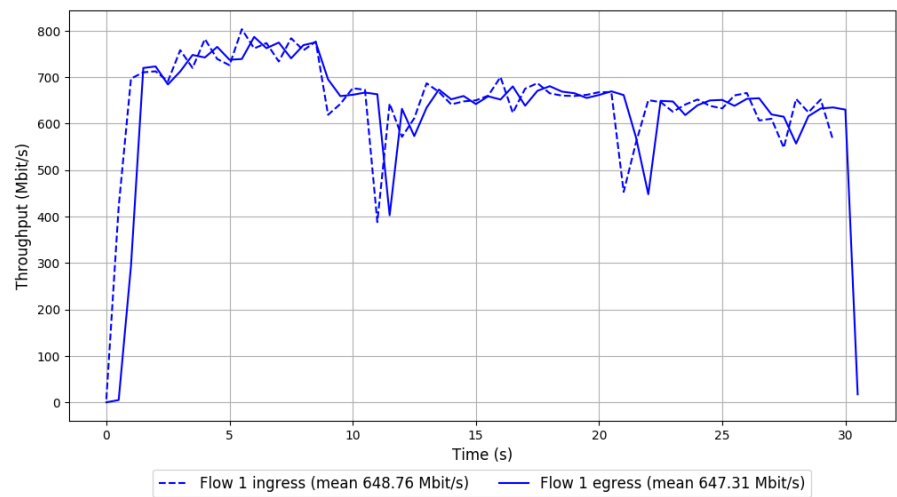
-- Flow 1:

Average throughput: 647.31 Mbit/s

95th percentile per-packet one-way delay: 100.267 ms

Loss rate: 0.22%

Run 6: Report of FillP-Sheep — Data Link

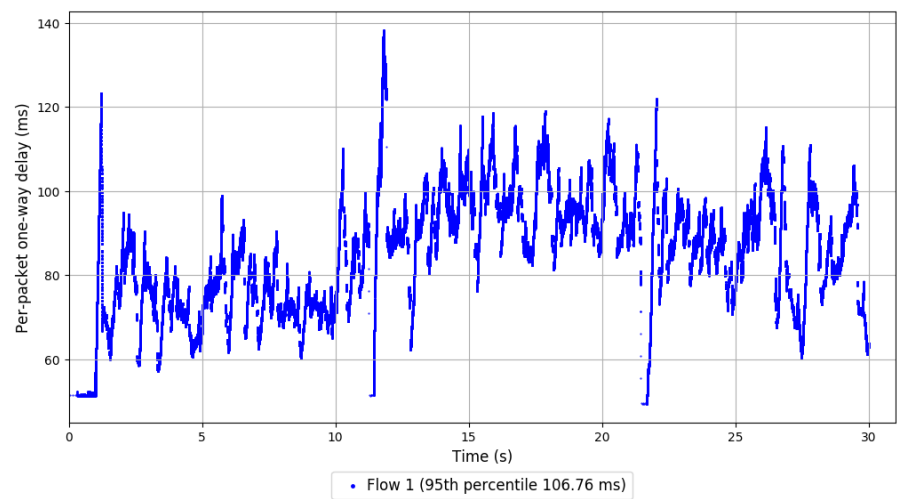
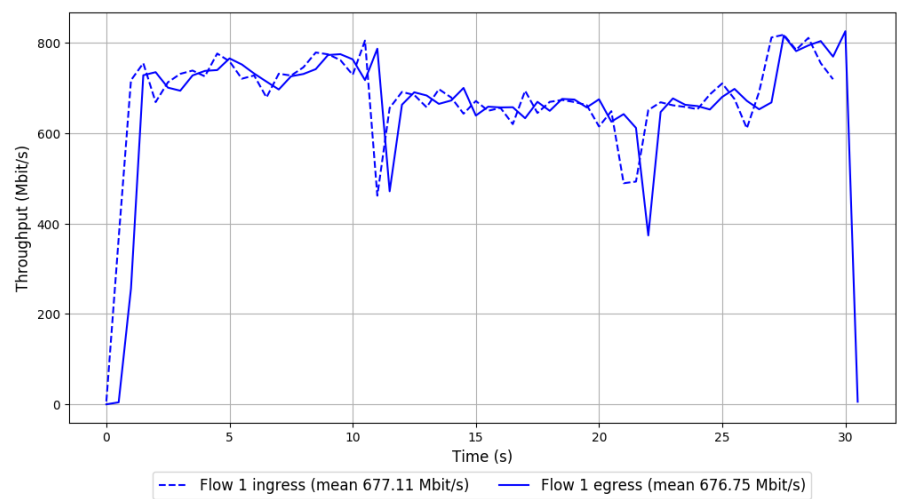


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-20 03:51:09
End at: 2018-07-20 03:51:39
Local clock offset: -0.504 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-20 06:07:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 676.75 Mbit/s
95th percentile per-packet one-way delay: 106.763 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 676.75 Mbit/s
95th percentile per-packet one-way delay: 106.763 ms
Loss rate: 0.05%

Run 7: Report of FillP-Sheep — Data Link

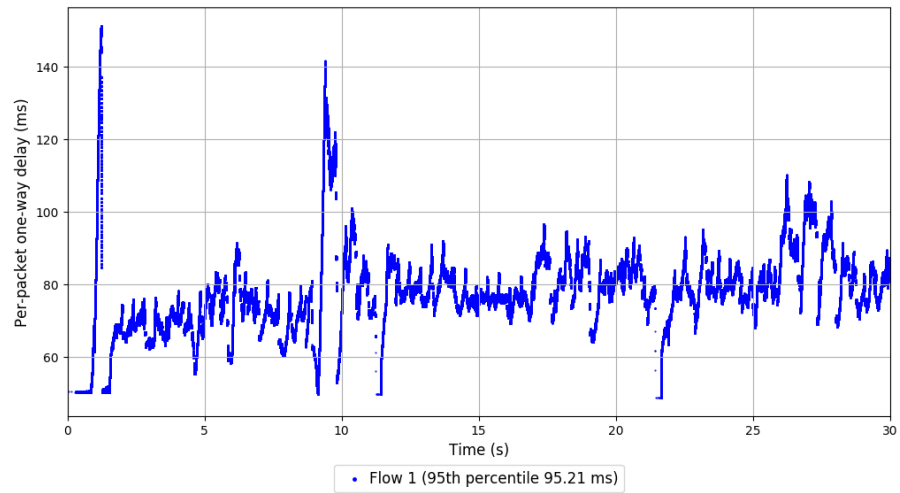
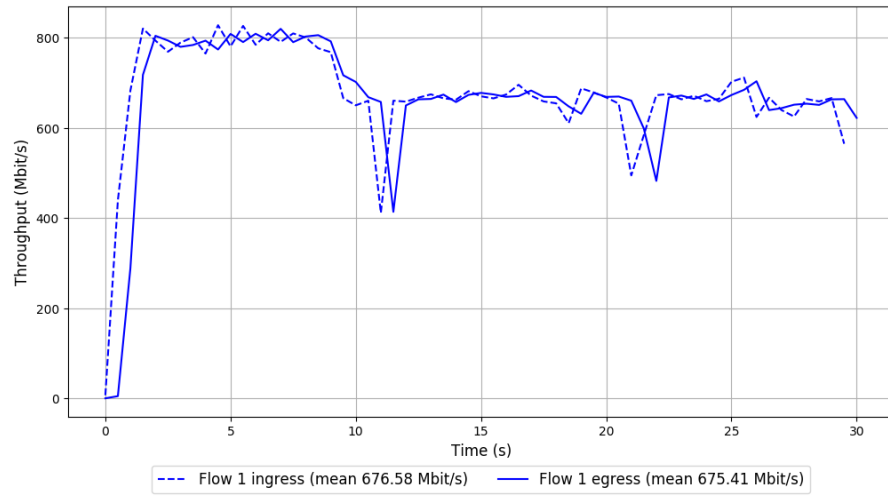


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-20 04:13:15
End at: 2018-07-20 04:13:45
Local clock offset: -0.142 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-20 06:07:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 675.41 Mbit/s
95th percentile per-packet one-way delay: 95.211 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 675.41 Mbit/s
95th percentile per-packet one-way delay: 95.211 ms
Loss rate: 0.17%

Run 8: Report of FillP-Sheep — Data Link

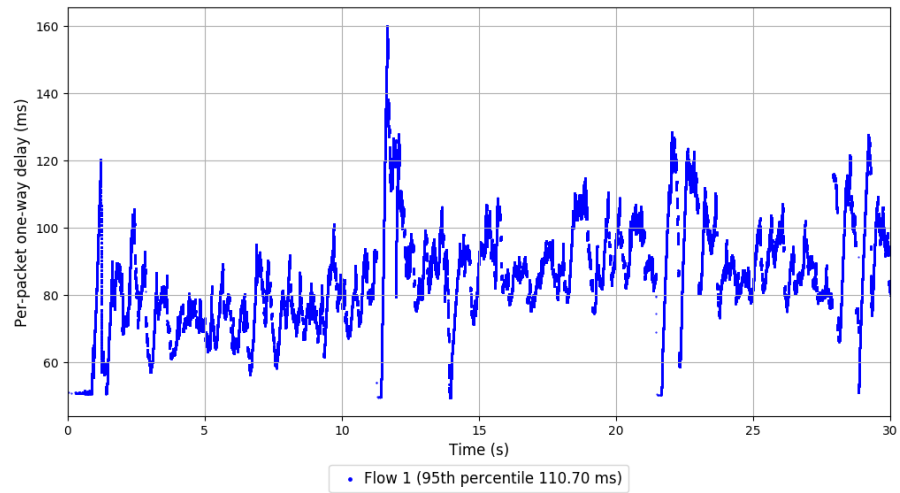
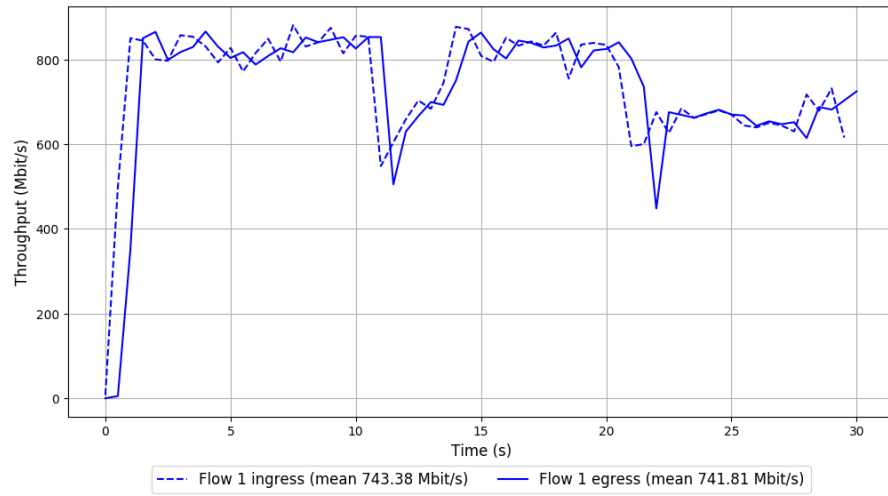


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-20 04:35:09
End at: 2018-07-20 04:35:39
Local clock offset: -0.173 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-20 06:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 741.81 Mbit/s
95th percentile per-packet one-way delay: 110.702 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 741.81 Mbit/s
95th percentile per-packet one-way delay: 110.702 ms
Loss rate: 0.21%

Run 9: Report of FillP-Sheep — Data Link

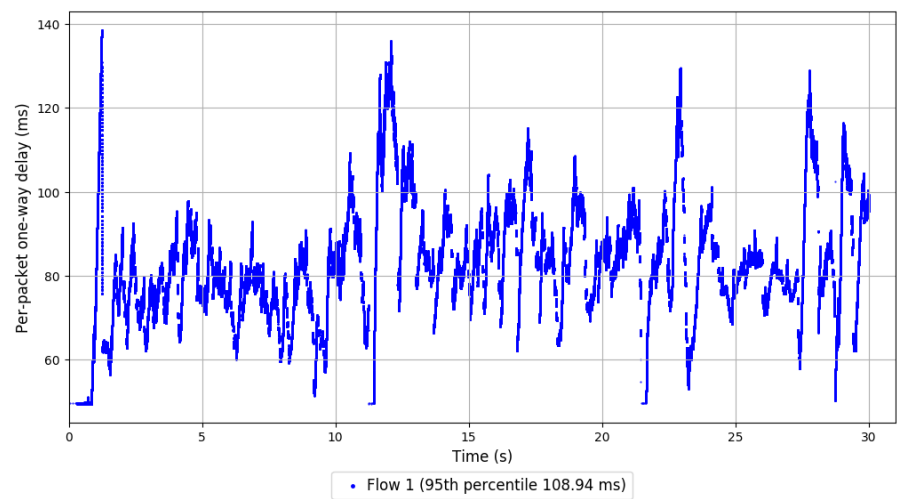
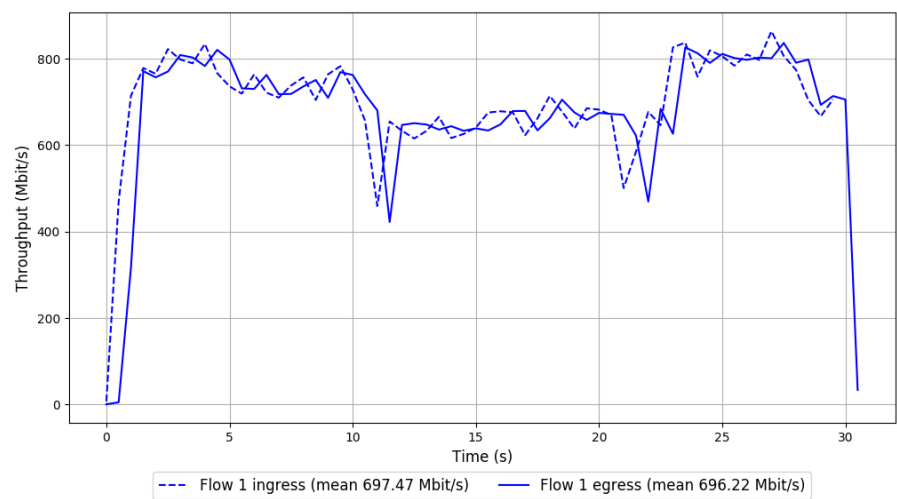


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-20 04:57:06
End at: 2018-07-20 04:57:36
Local clock offset: -0.136 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 696.22 Mbit/s
95th percentile per-packet one-way delay: 108.941 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 696.22 Mbit/s
95th percentile per-packet one-way delay: 108.941 ms
Loss rate: 0.18%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-20 01:25:26

End at: 2018-07-20 01:25:56

Local clock offset: 0.062 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-20 06:09:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.06 Mbit/s

95th percentile per-packet one-way delay: 51.098 ms

Loss rate: 0.00%

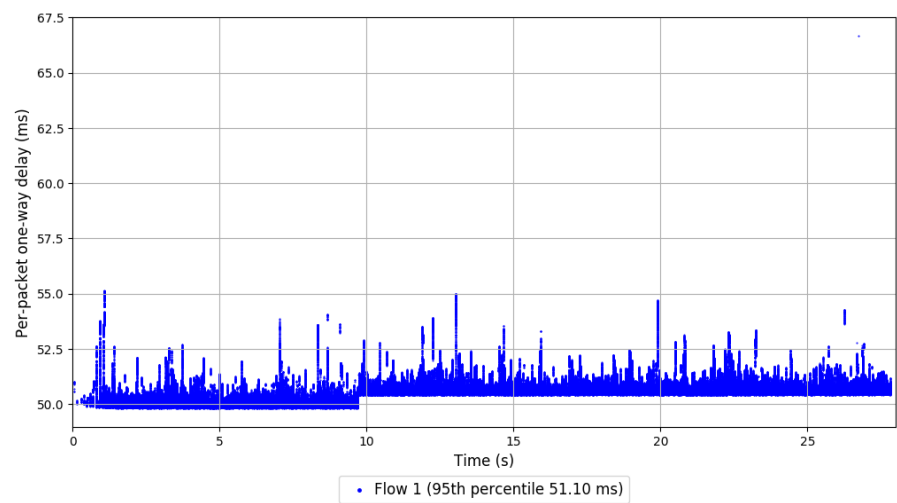
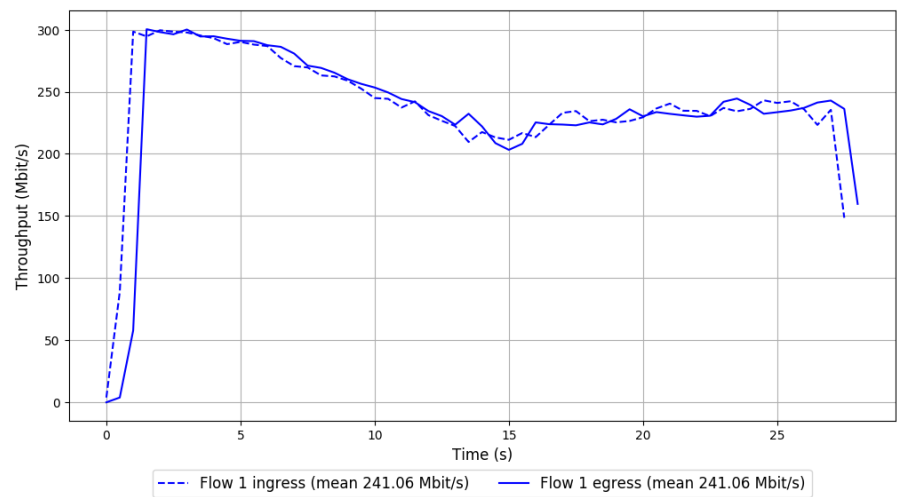
-- Flow 1:

Average throughput: 241.06 Mbit/s

95th percentile per-packet one-way delay: 51.098 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

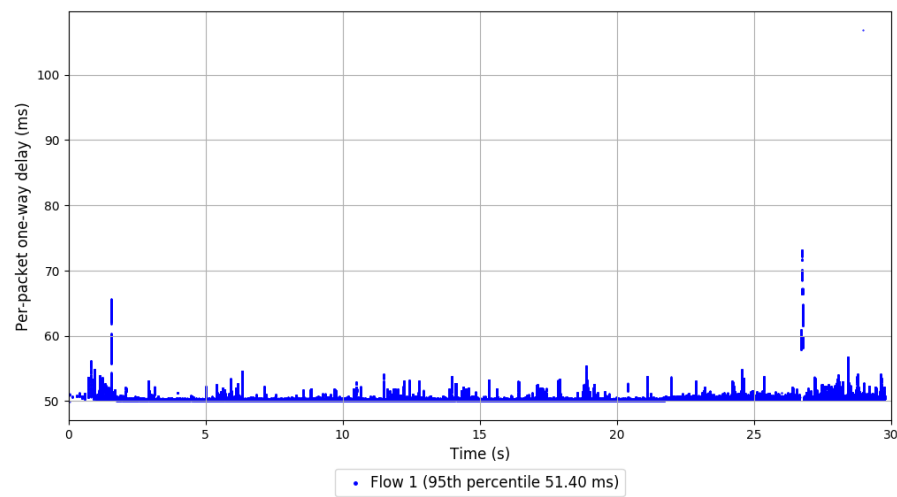
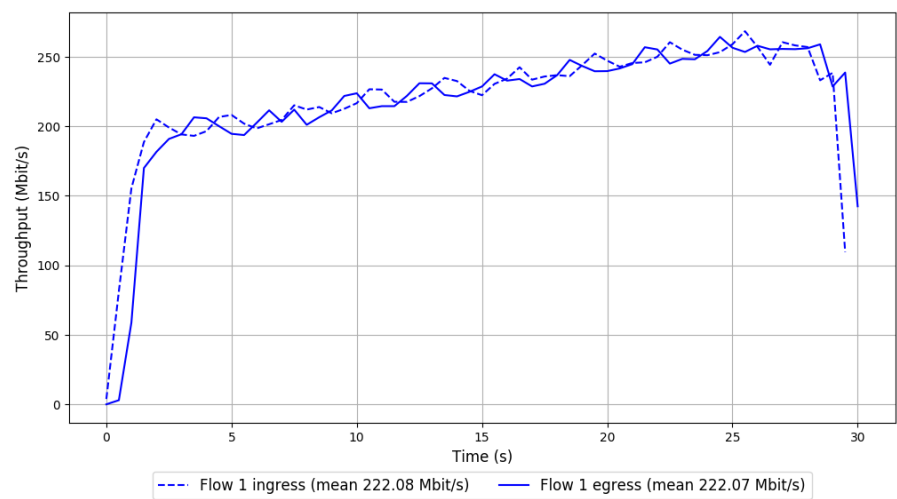


Run 2: Statistics of Indigo

Start at: 2018-07-20 01:47:16
End at: 2018-07-20 01:47:46
Local clock offset: 0.574 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.07 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.07 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

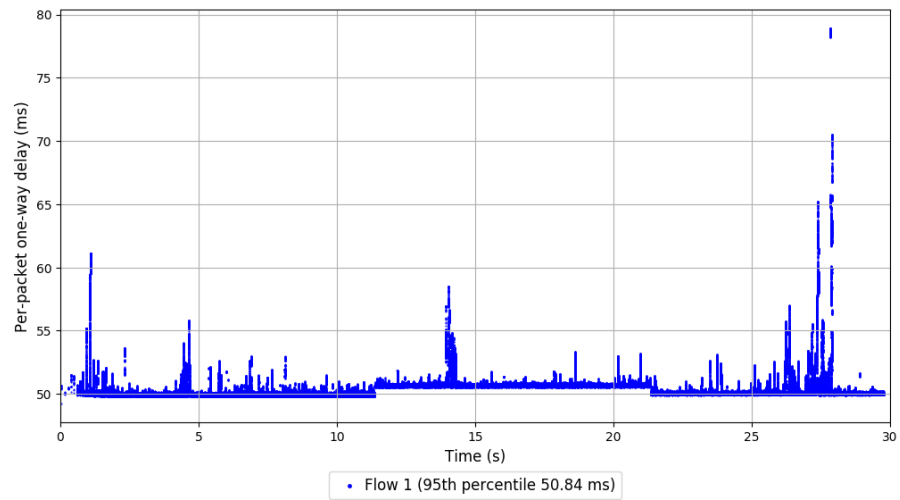
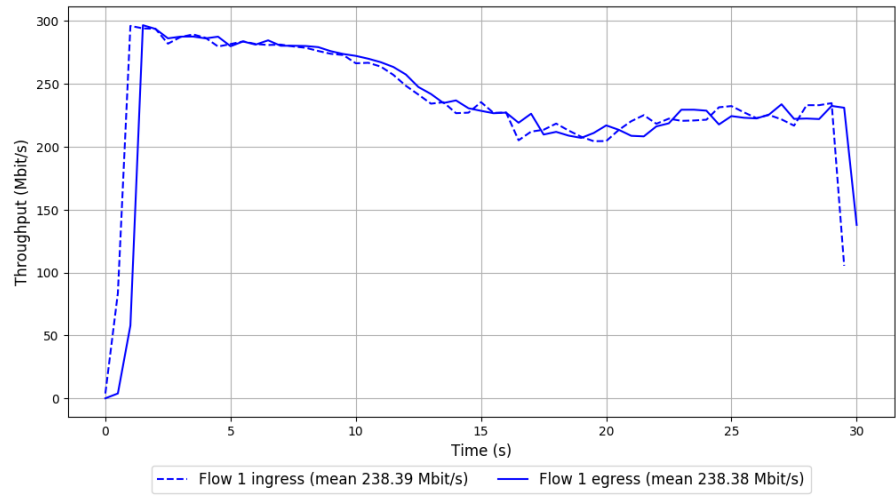


Run 3: Statistics of Indigo

Start at: 2018-07-20 02:09:06
End at: 2018-07-20 02:09:36
Local clock offset: -0.558 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.38 Mbit/s
95th percentile per-packet one-way delay: 50.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.38 Mbit/s
95th percentile per-packet one-way delay: 50.840 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

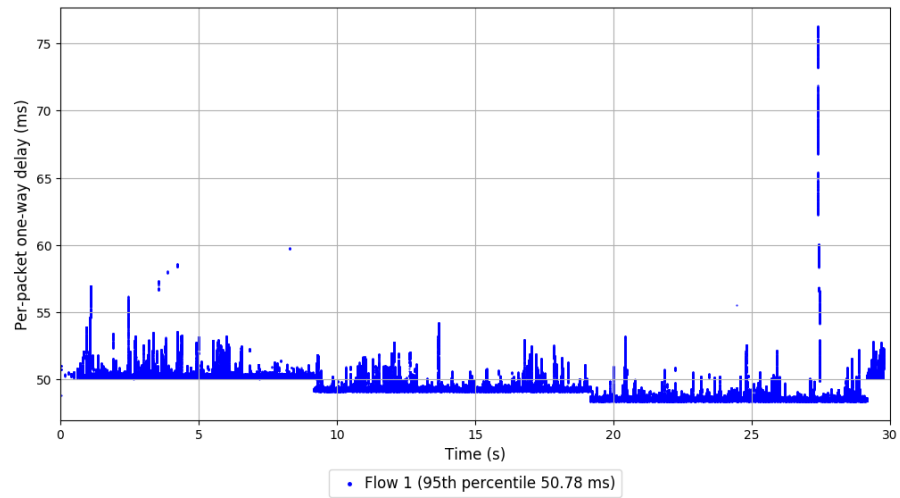
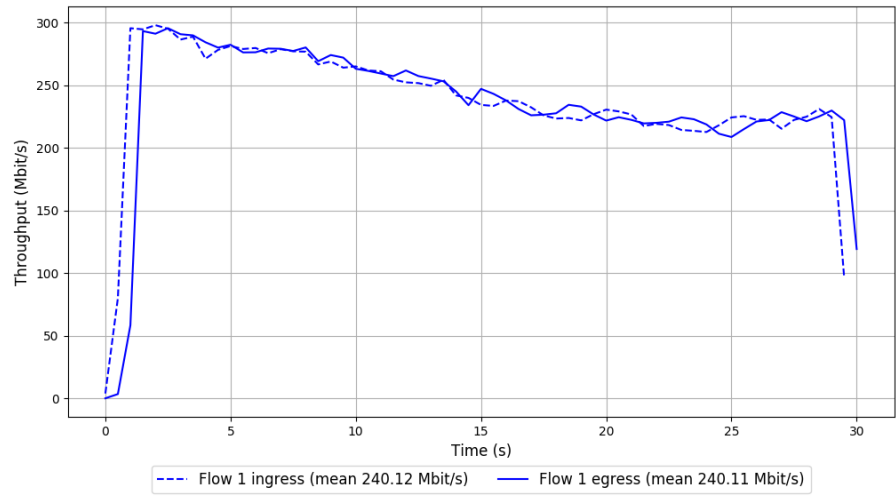


Run 4: Statistics of Indigo

Start at: 2018-07-20 02:31:09
End at: 2018-07-20 02:31:39
Local clock offset: 0.205 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.11 Mbit/s
95th percentile per-packet one-way delay: 50.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.11 Mbit/s
95th percentile per-packet one-way delay: 50.780 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-20 02:52:55

End at: 2018-07-20 02:53:25

Local clock offset: 0.297 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-20 06:09:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.77 Mbit/s

95th percentile per-packet one-way delay: 51.297 ms

Loss rate: 0.00%

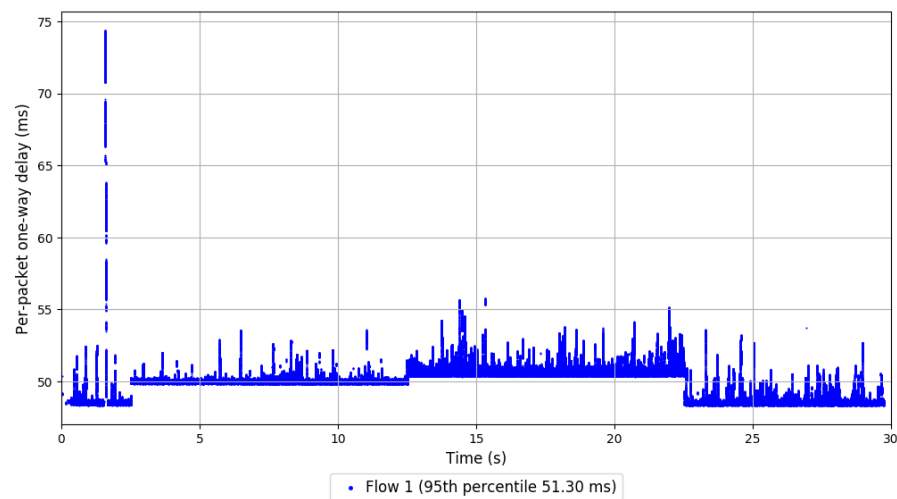
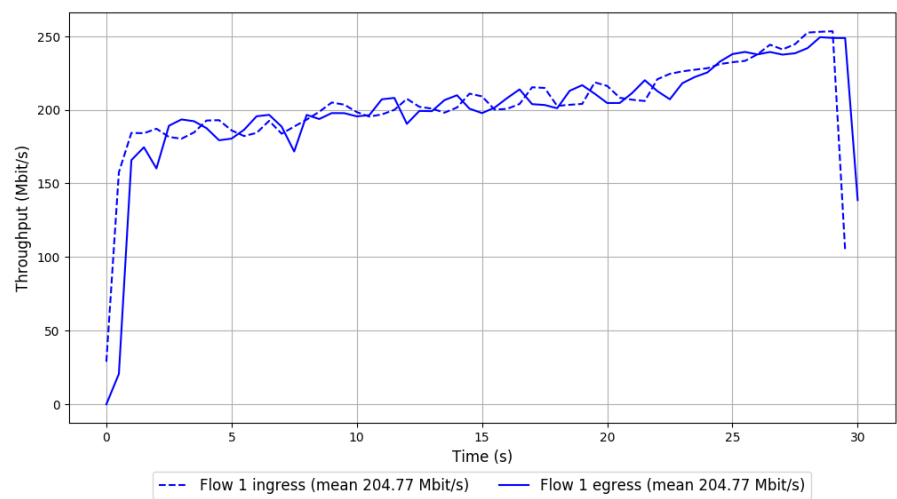
-- Flow 1:

Average throughput: 204.77 Mbit/s

95th percentile per-packet one-way delay: 51.297 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

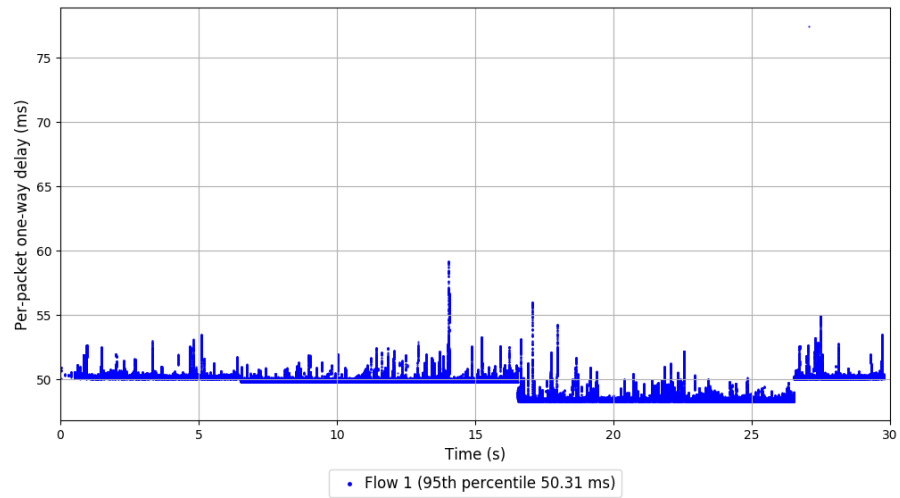
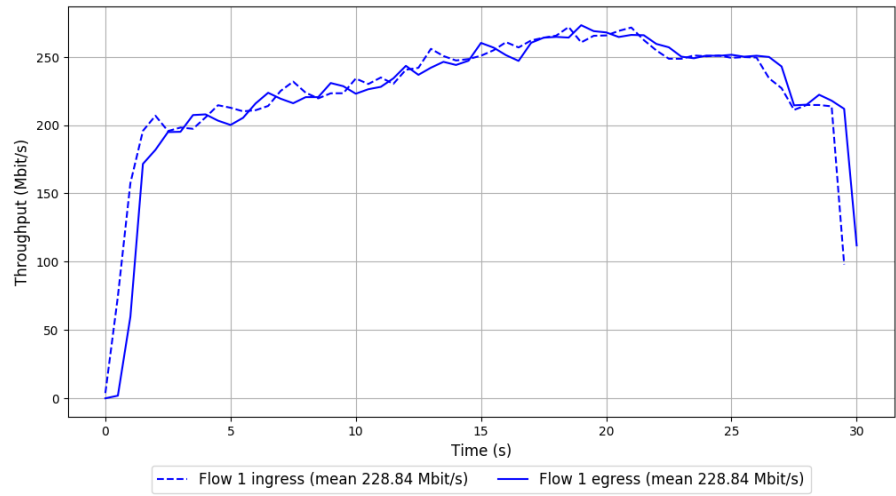


Run 6: Statistics of Indigo

Start at: 2018-07-20 03:14:51
End at: 2018-07-20 03:15:21
Local clock offset: 0.313 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 50.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 50.312 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

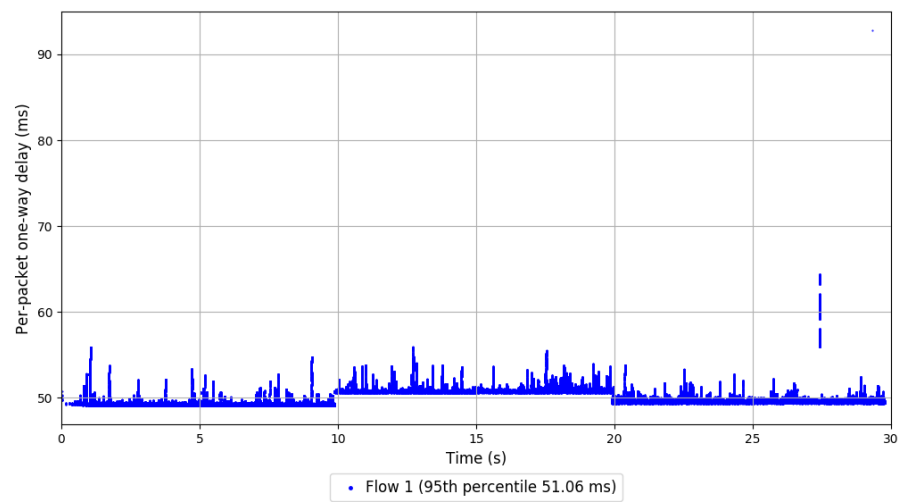
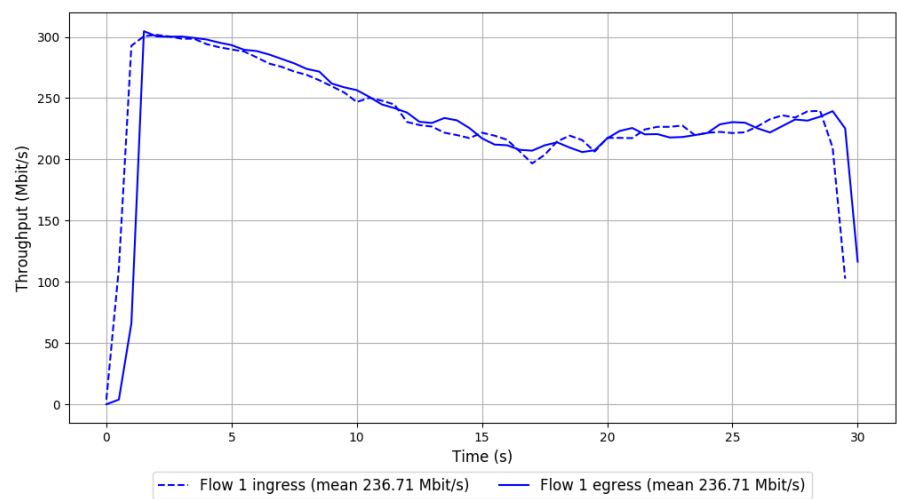


Run 7: Statistics of Indigo

Start at: 2018-07-20 03:36:48
End at: 2018-07-20 03:37:18
Local clock offset: -0.482 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.71 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 236.71 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

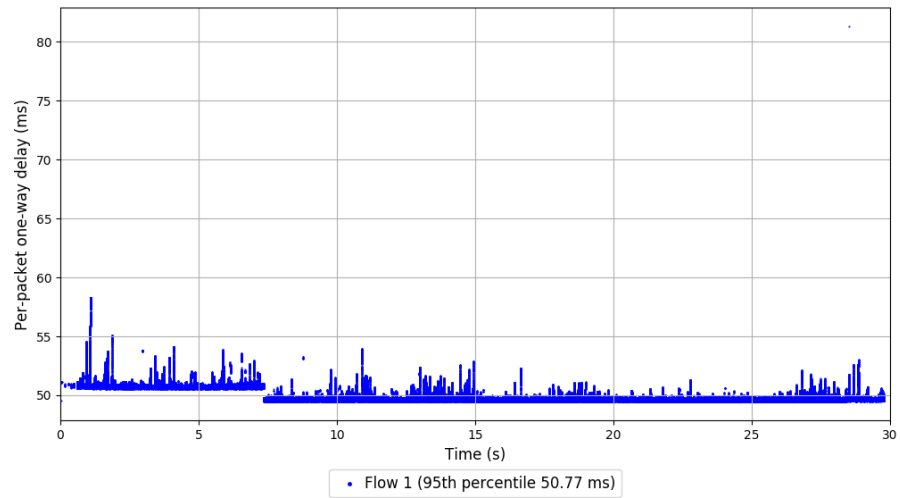
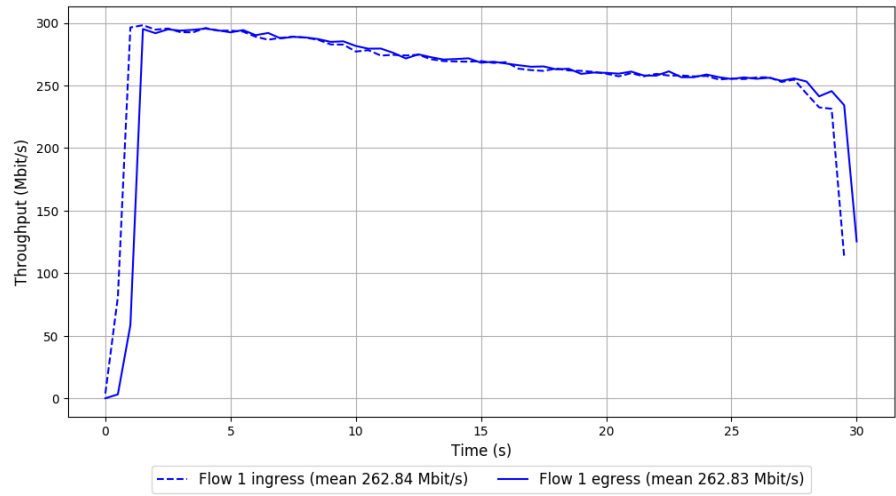


Run 8: Statistics of Indigo

Start at: 2018-07-20 03:58:50
End at: 2018-07-20 03:59:20
Local clock offset: -0.127 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.83 Mbit/s
95th percentile per-packet one-way delay: 50.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.83 Mbit/s
95th percentile per-packet one-way delay: 50.767 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

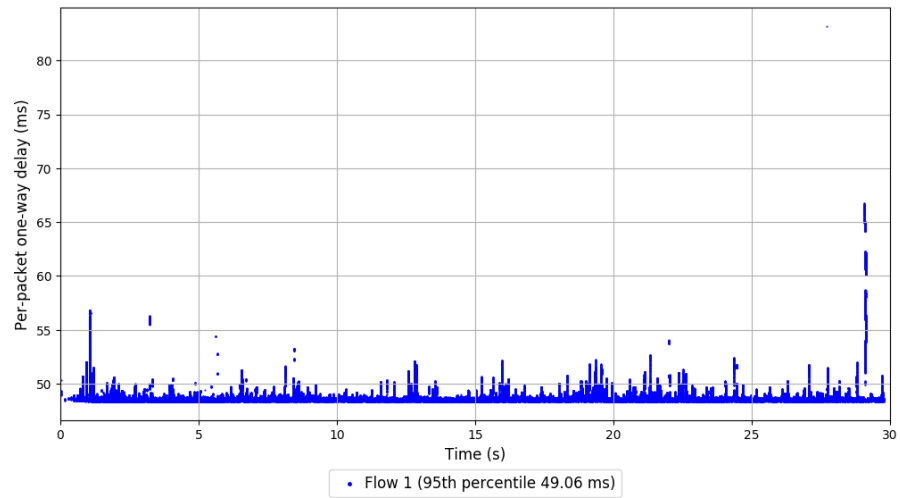
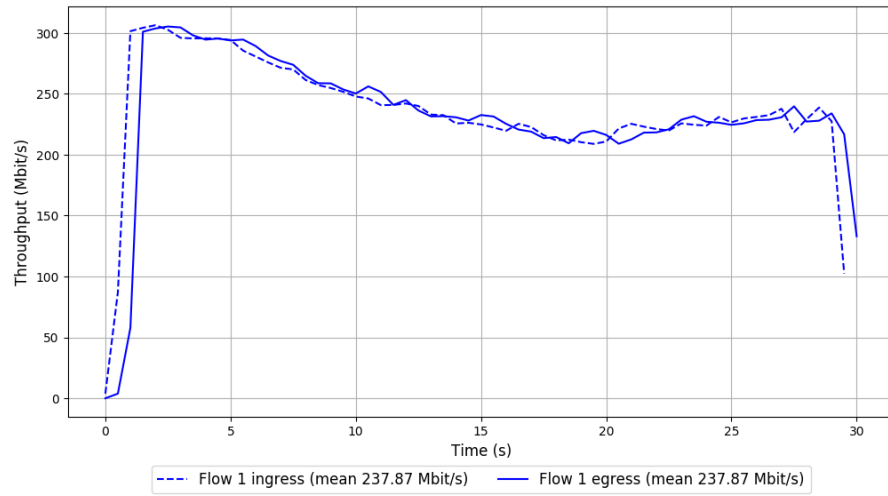


Run 9: Statistics of Indigo

Start at: 2018-07-20 04:20:58
End at: 2018-07-20 04:21:28
Local clock offset: 0.193 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.87 Mbit/s
95th percentile per-packet one-way delay: 49.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 237.87 Mbit/s
95th percentile per-packet one-way delay: 49.058 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

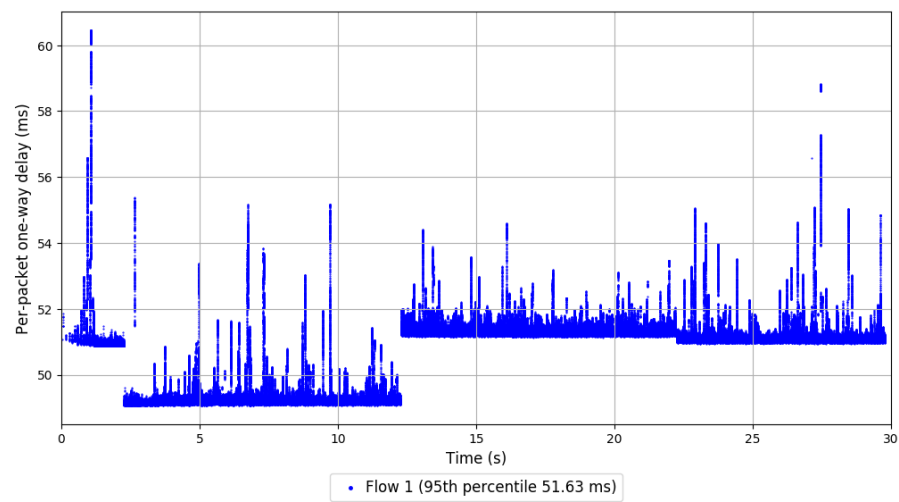
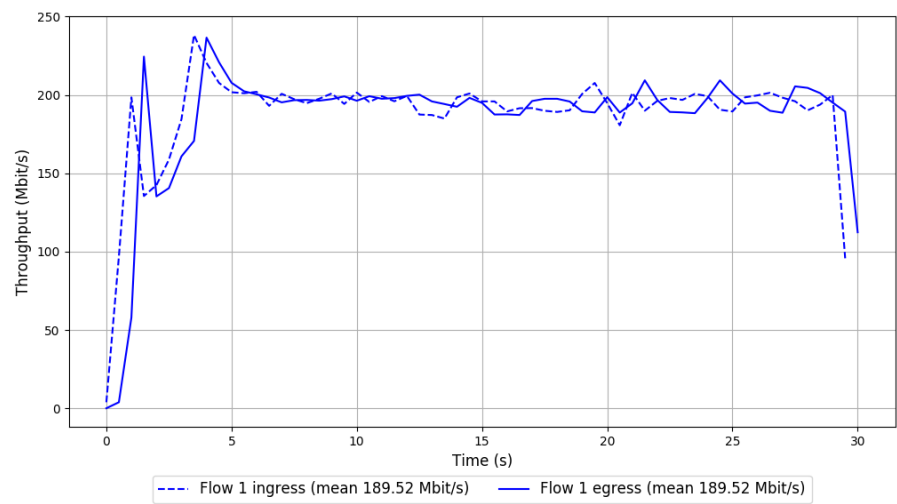


Run 10: Statistics of Indigo

Start at: 2018-07-20 04:42:56
End at: 2018-07-20 04:43:26
Local clock offset: -0.565 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.52 Mbit/s
95th percentile per-packet one-way delay: 51.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.52 Mbit/s
95th percentile per-packet one-way delay: 51.626 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

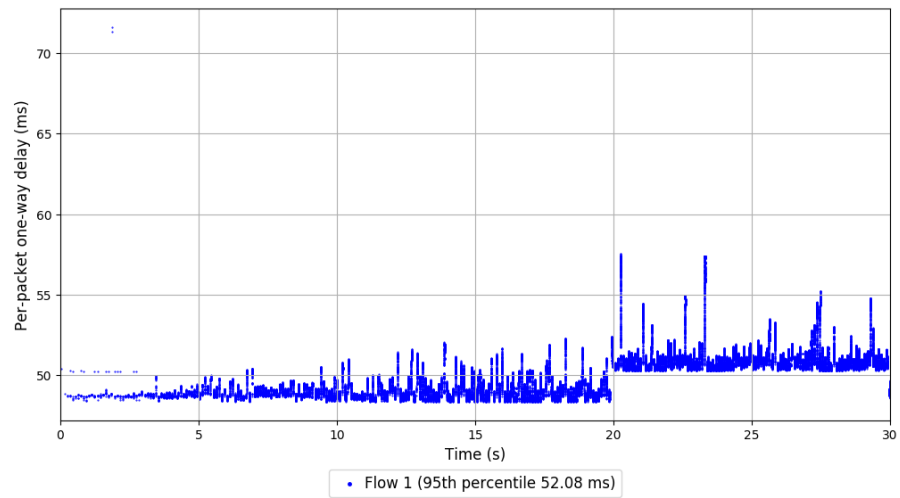
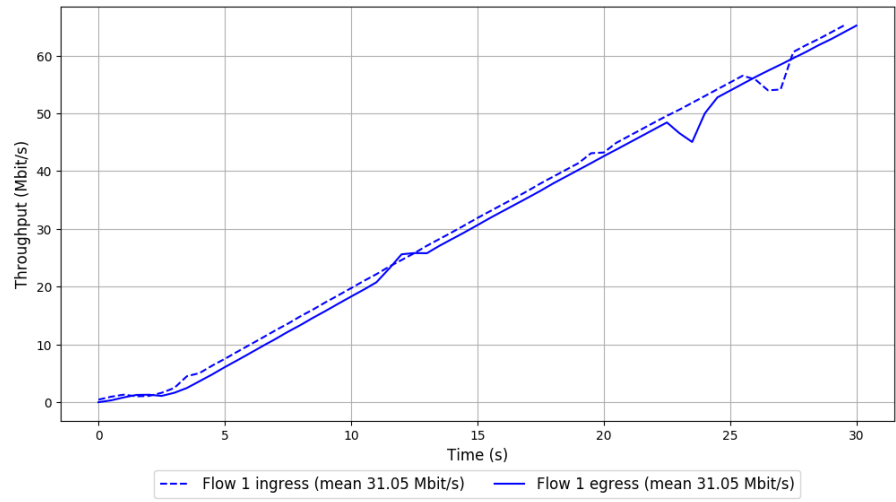


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-20 01:29:38
End at: 2018-07-20 01:30:08
Local clock offset: 0.467 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-07-20 06:09:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 52.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 52.078 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

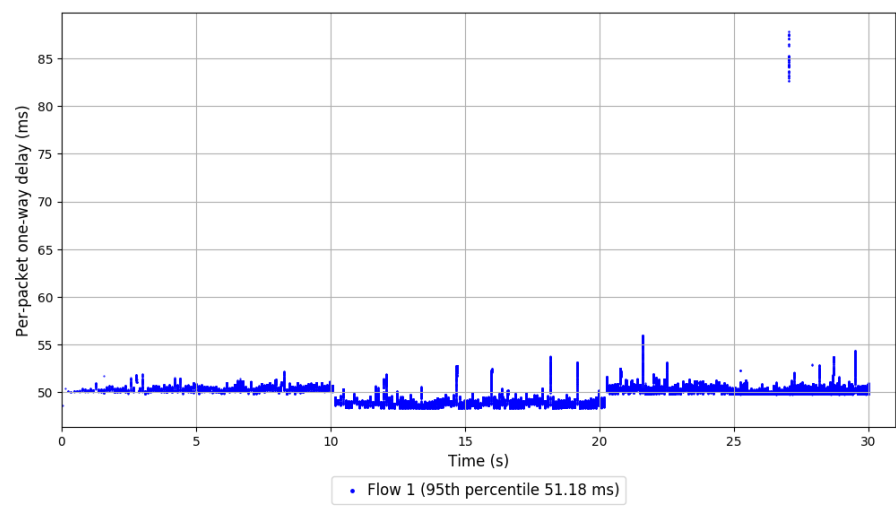
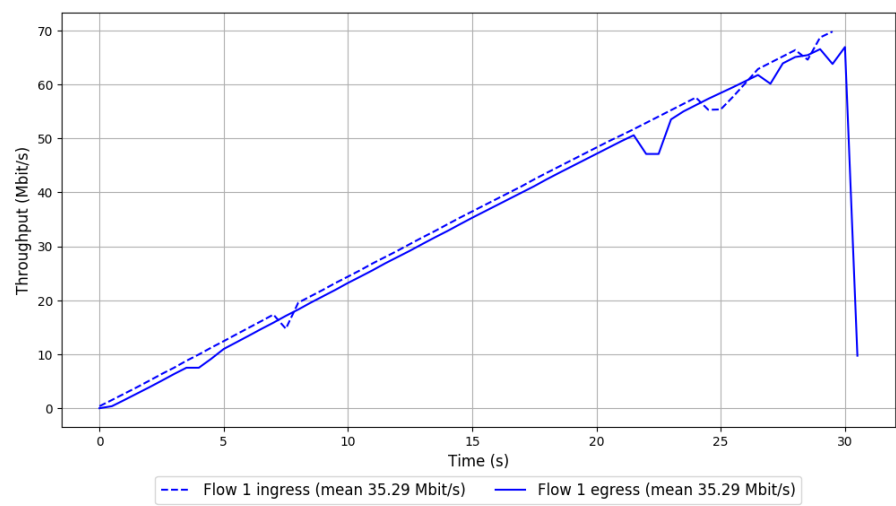


Run 2: Statistics of LEDBAT

Start at: 2018-07-20 01:51:28
End at: 2018-07-20 01:51:58
Local clock offset: 0.465 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 51.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 51.179 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

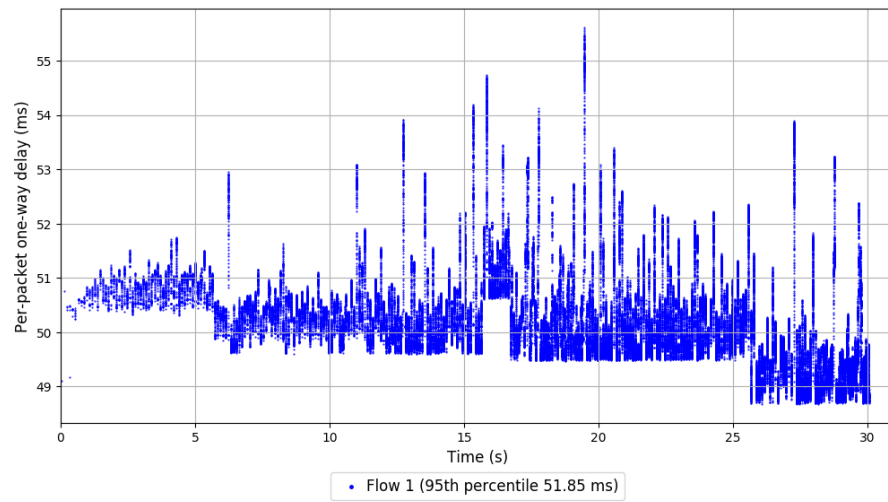
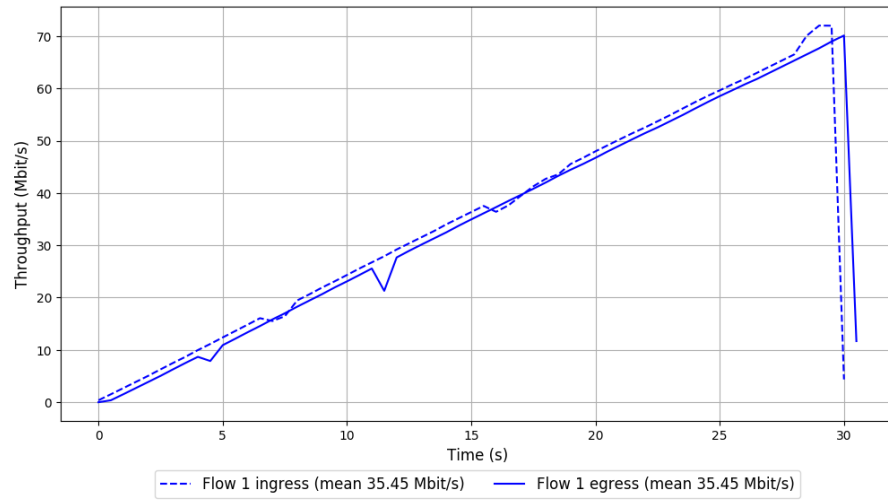


Run 3: Statistics of LEDBAT

Start at: 2018-07-20 02:13:12
End at: 2018-07-20 02:13:42
Local clock offset: -0.17 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 51.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 51.852 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-20 02:35:14

End at: 2018-07-20 02:35:44

Local clock offset: -0.122 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-07-20 06:09:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.90 Mbit/s

95th percentile per-packet one-way delay: 51.862 ms

Loss rate: 0.00%

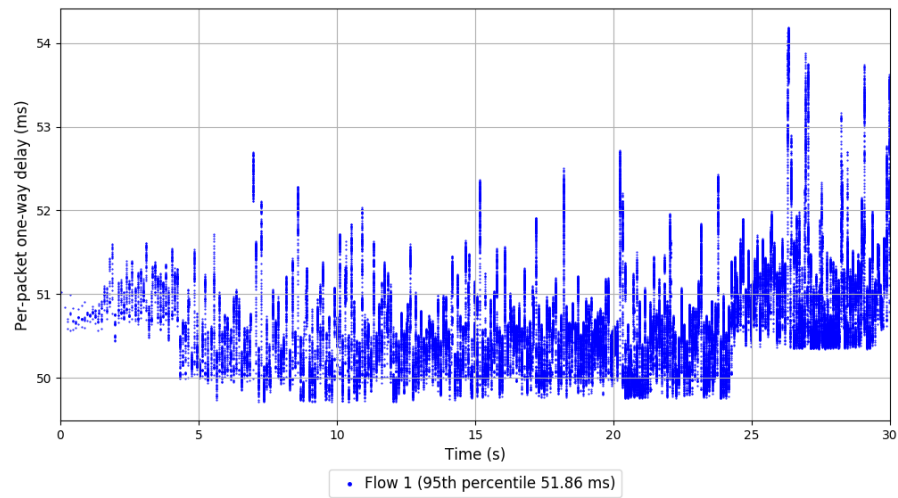
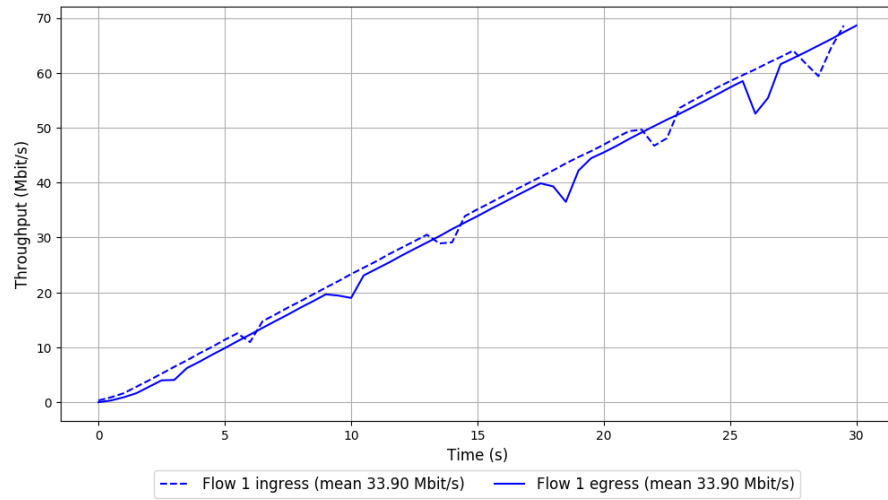
-- Flow 1:

Average throughput: 33.90 Mbit/s

95th percentile per-packet one-way delay: 51.862 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

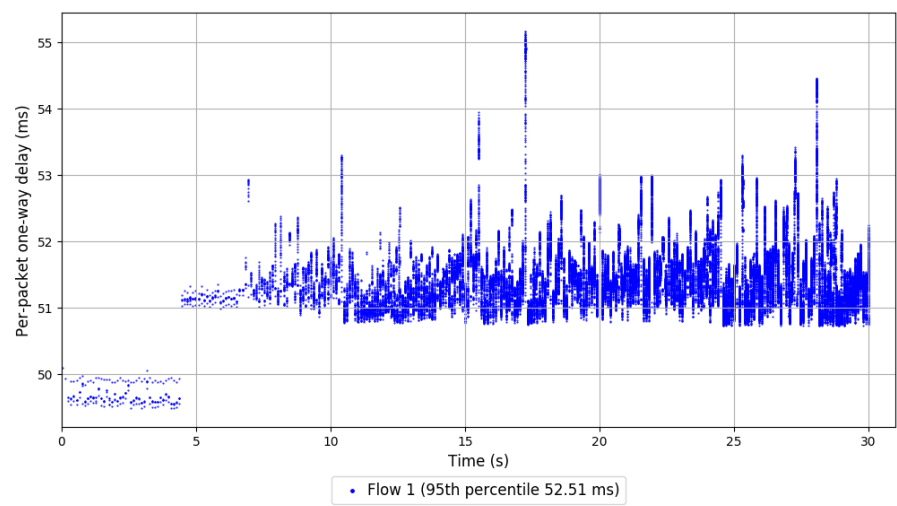
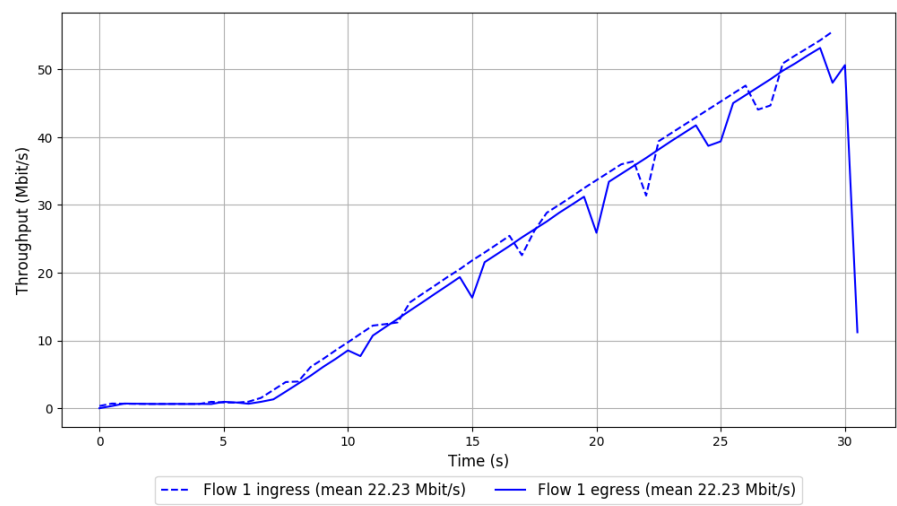


Run 5: Statistics of LEDBAT

Start at: 2018-07-20 02:57:04
End at: 2018-07-20 02:57:34
Local clock offset: -0.434 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 52.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 52.505 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

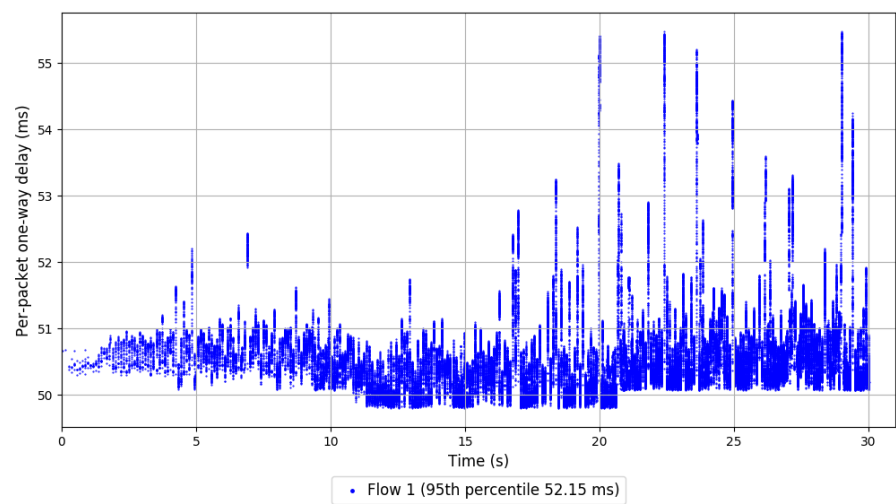
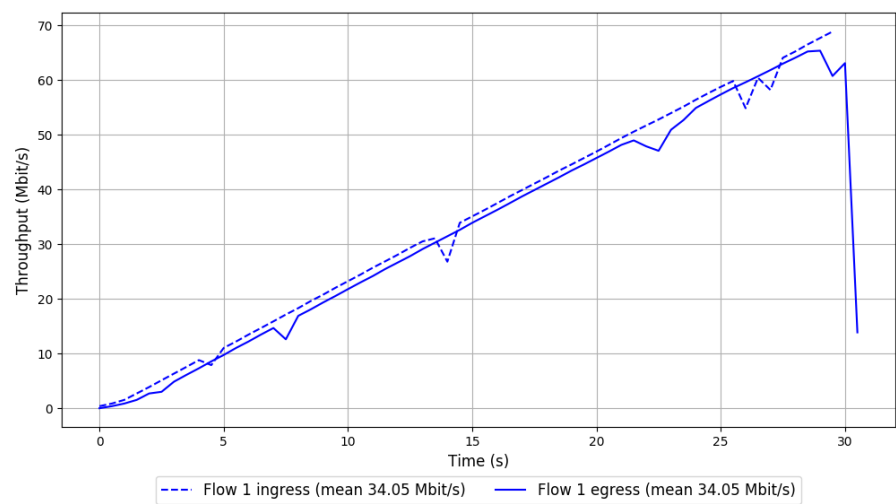


Run 6: Statistics of LEDBAT

Start at: 2018-07-20 03:18:57
End at: 2018-07-20 03:19:27
Local clock offset: 0.248 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 52.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 52.152 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

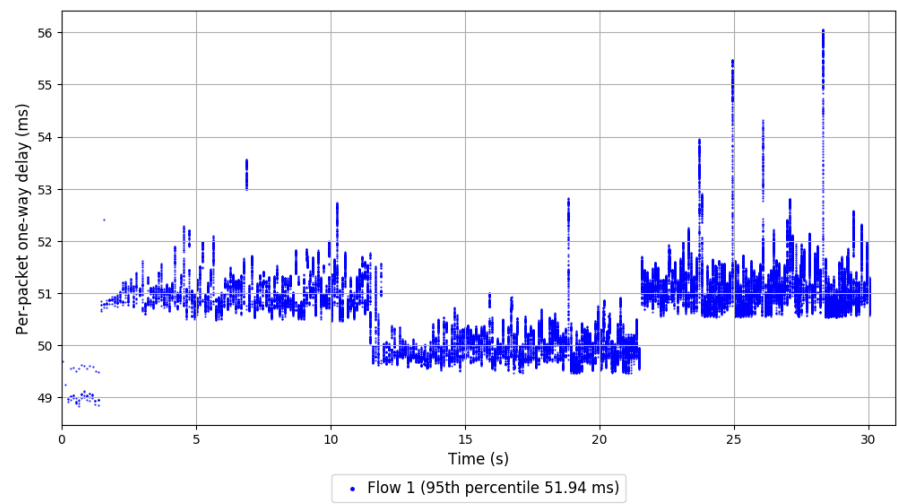
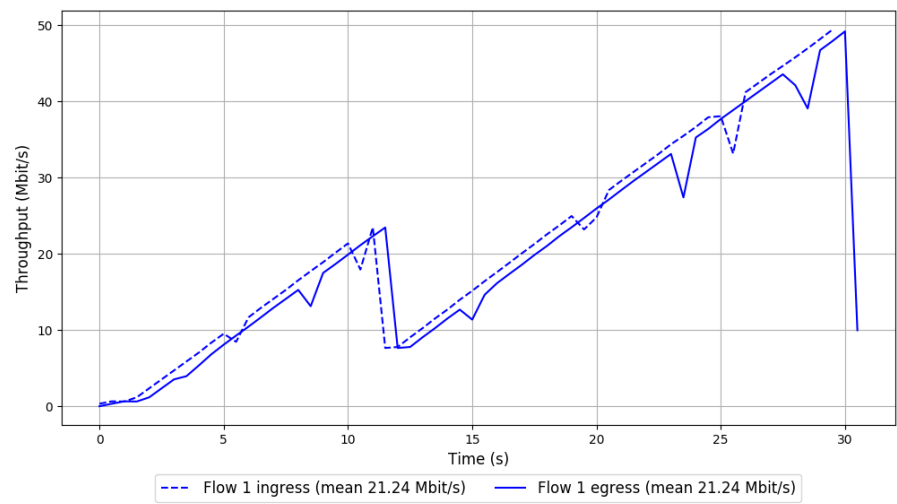


Run 7: Statistics of LEDBAT

Start at: 2018-07-20 03:40:57
End at: 2018-07-20 03:41:27
Local clock offset: -0.132 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 51.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 51.939 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

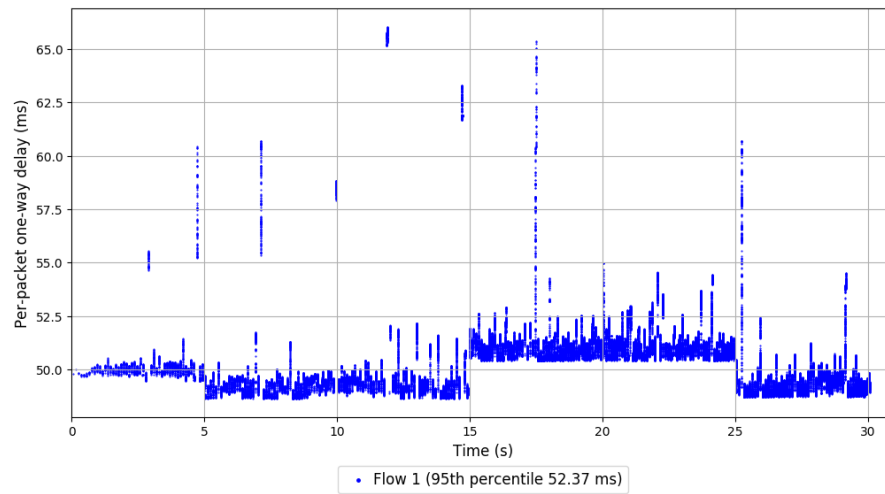
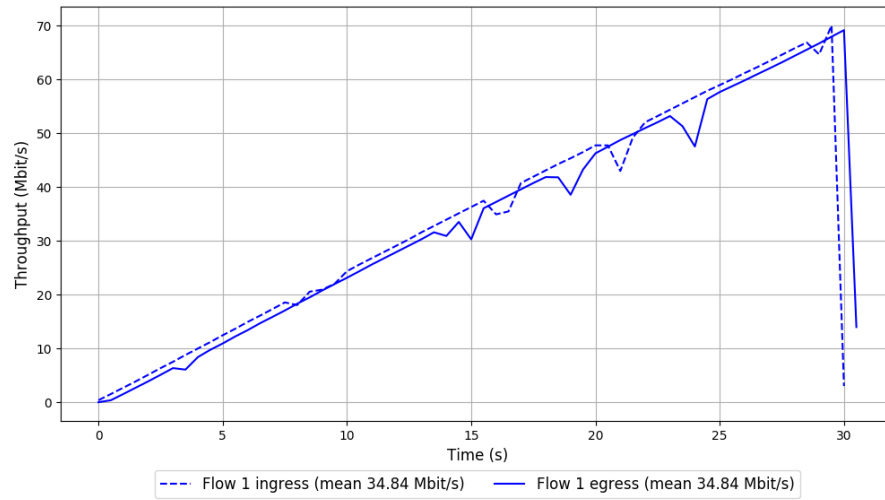


Run 8: Statistics of LEDBAT

Start at: 2018-07-20 04:03:03
End at: 2018-07-20 04:03:33
Local clock offset: -0.114 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 52.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 52.374 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

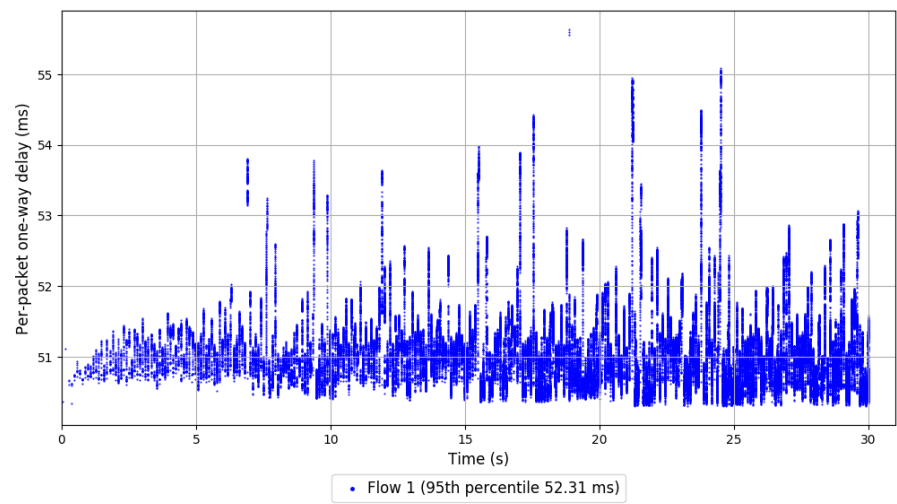
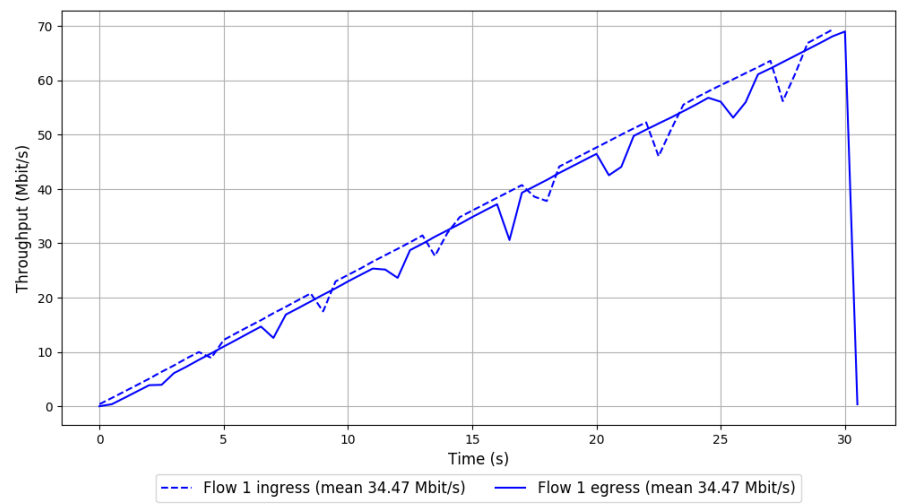


Run 9: Statistics of LEDBAT

Start at: 2018-07-20 04:25:07
End at: 2018-07-20 04:25:37
Local clock offset: -0.107 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-20 06:09:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 52.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 52.309 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-20 04:47:00

End at: 2018-07-20 04:47:30

Local clock offset: 0.211 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-20 06:09:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.65 Mbit/s

95th percentile per-packet one-way delay: 52.273 ms

Loss rate: 0.00%

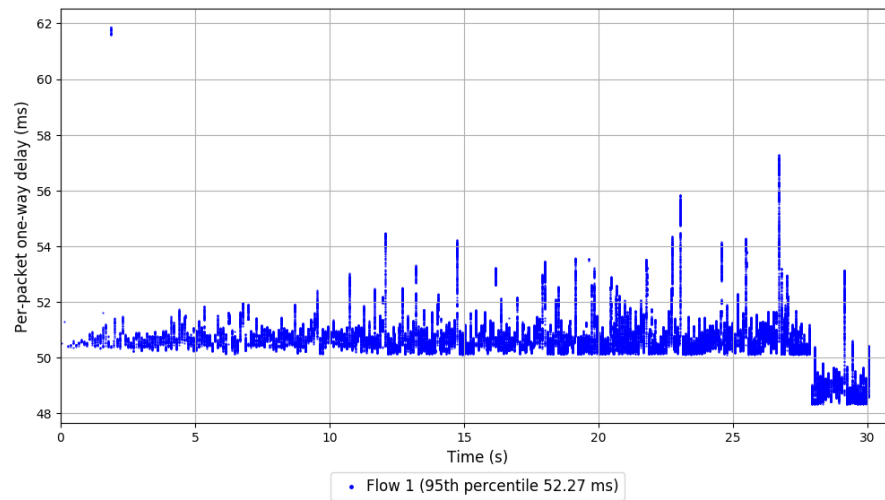
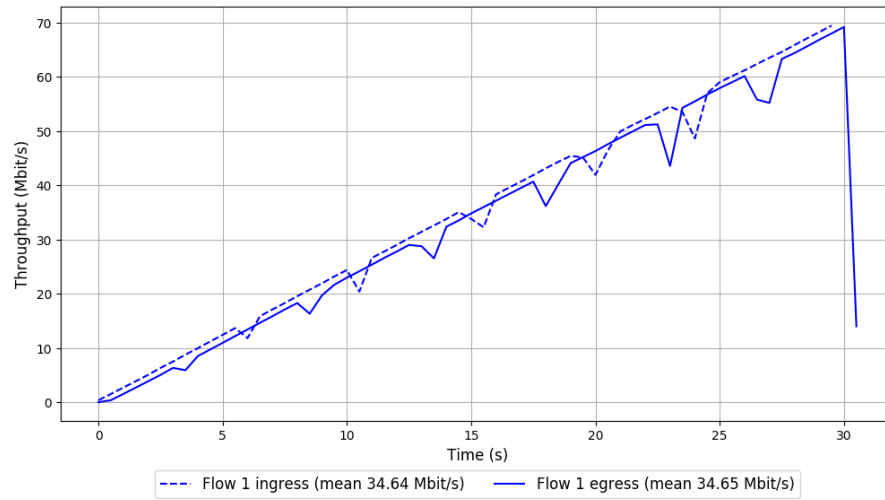
-- Flow 1:

Average throughput: 34.65 Mbit/s

95th percentile per-packet one-way delay: 52.273 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

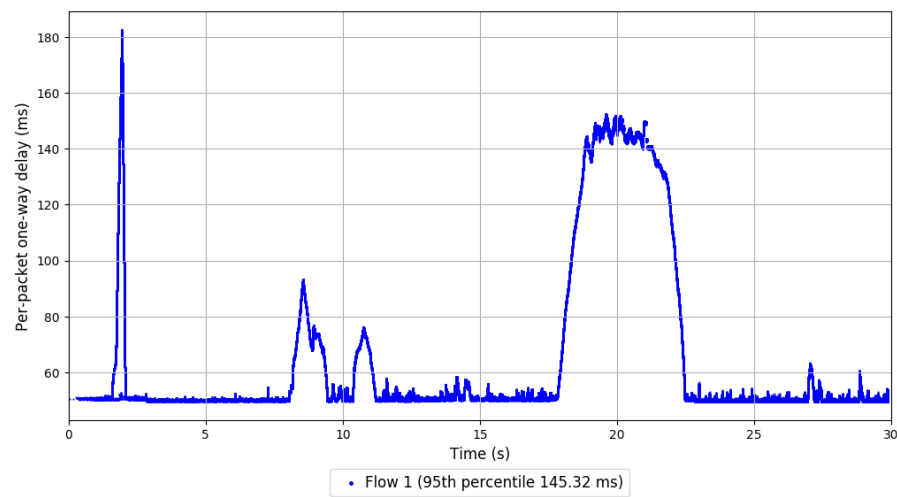
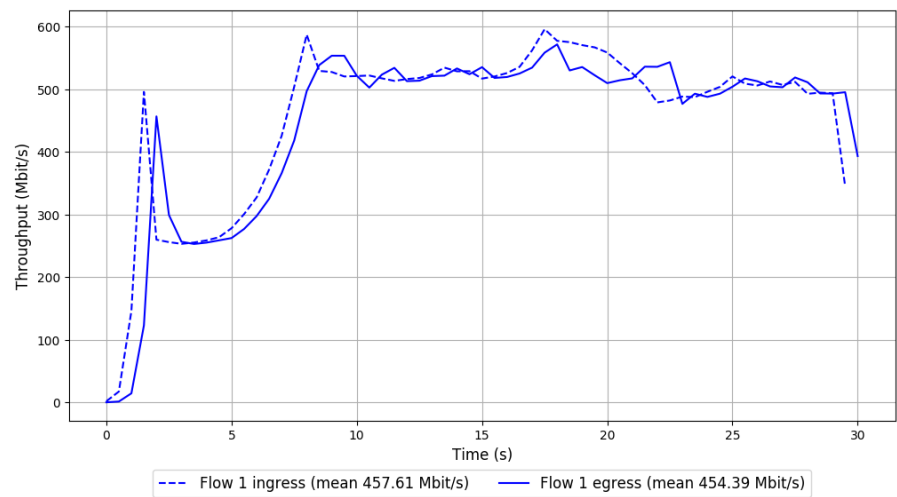


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-20 01:19:15
End at: 2018-07-20 01:19:45
Local clock offset: 0.035 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-07-20 06:16:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 454.39 Mbit/s
95th percentile per-packet one-way delay: 145.316 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 454.39 Mbit/s
95th percentile per-packet one-way delay: 145.316 ms
Loss rate: 0.71%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-20 01:41:11

End at: 2018-07-20 01:41:41

Local clock offset: -0.192 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-20 06:17:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 531.96 Mbit/s

95th percentile per-packet one-way delay: 142.824 ms

Loss rate: 1.47%

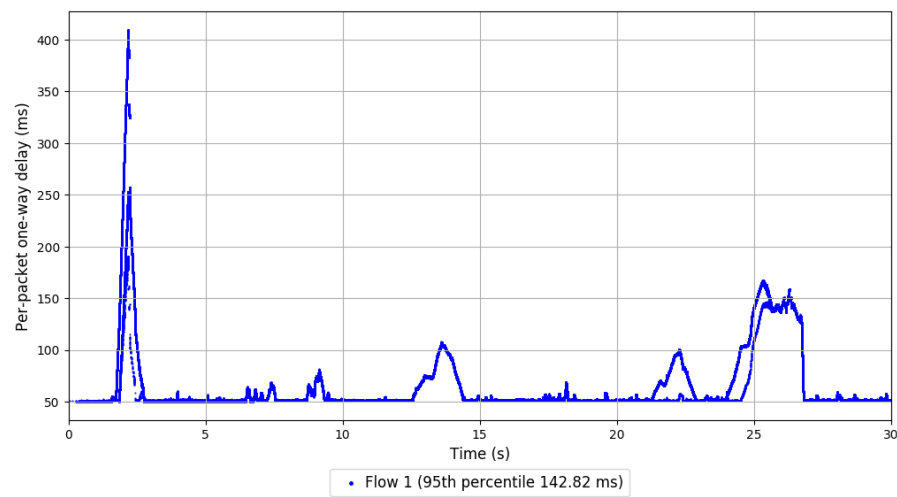
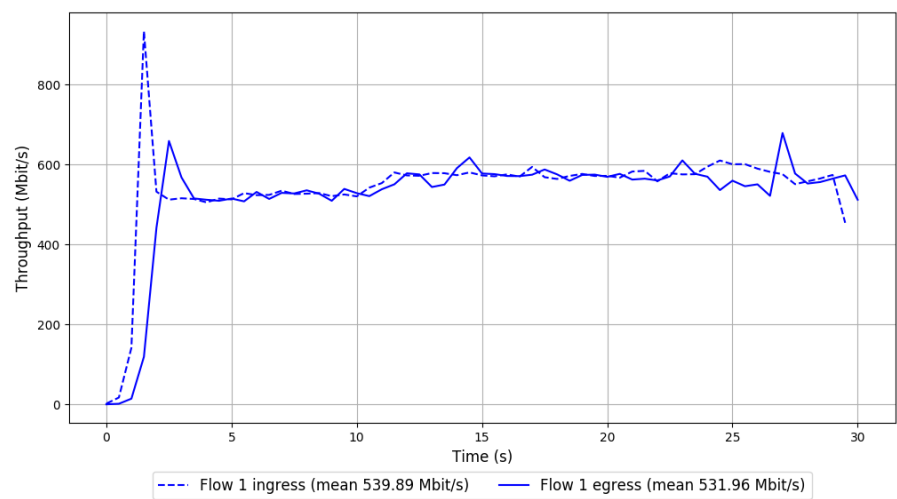
-- Flow 1:

Average throughput: 531.96 Mbit/s

95th percentile per-packet one-way delay: 142.824 ms

Loss rate: 1.47%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-20 02:03:03

End at: 2018-07-20 02:03:33

Local clock offset: -0.102 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-20 06:17:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.46 Mbit/s

95th percentile per-packet one-way delay: 71.529 ms

Loss rate: 0.00%

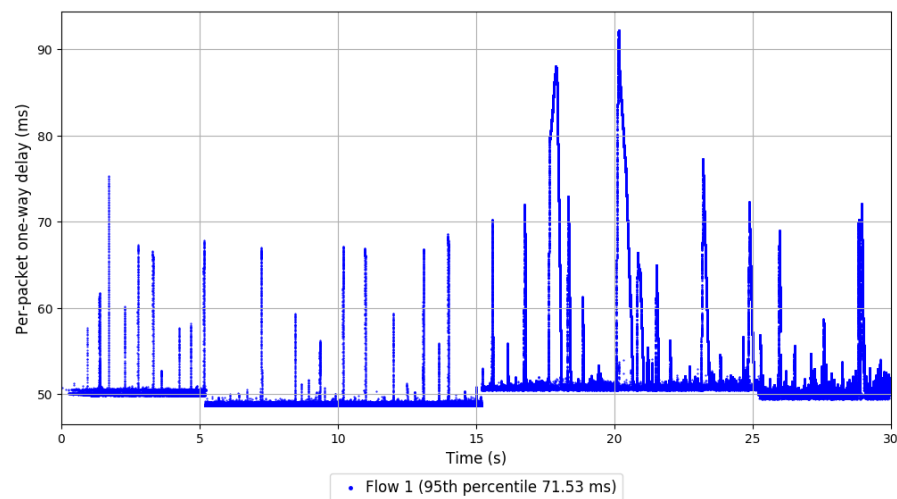
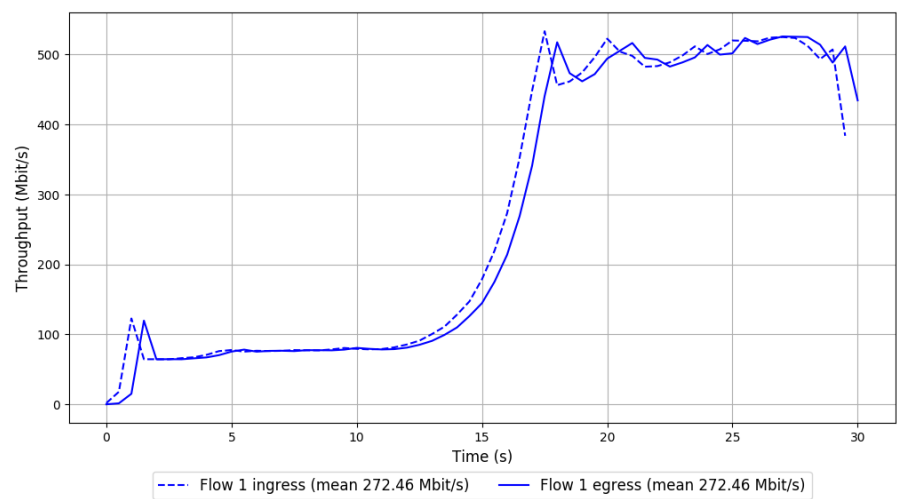
-- Flow 1:

Average throughput: 272.46 Mbit/s

95th percentile per-packet one-way delay: 71.529 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-20 02:24:48

End at: 2018-07-20 02:25:18

Local clock offset: 0.226 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-20 06:17:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.72 Mbit/s

95th percentile per-packet one-way delay: 221.794 ms

Loss rate: 5.46%

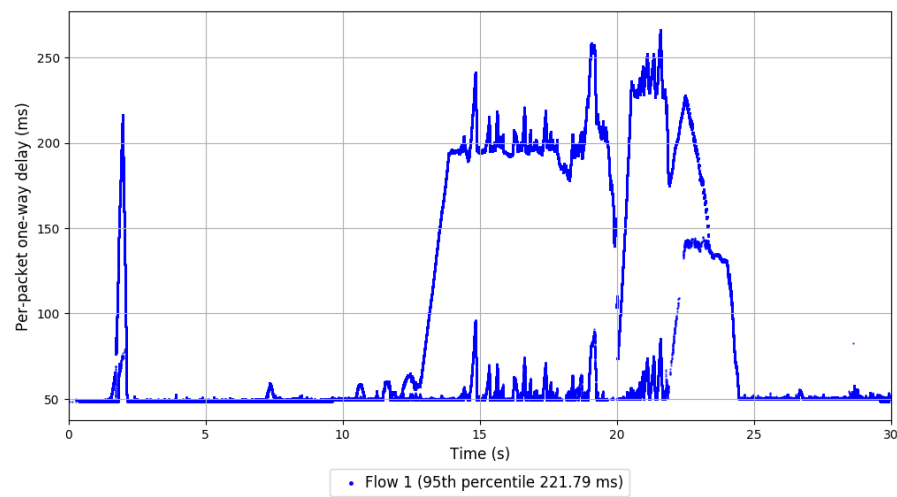
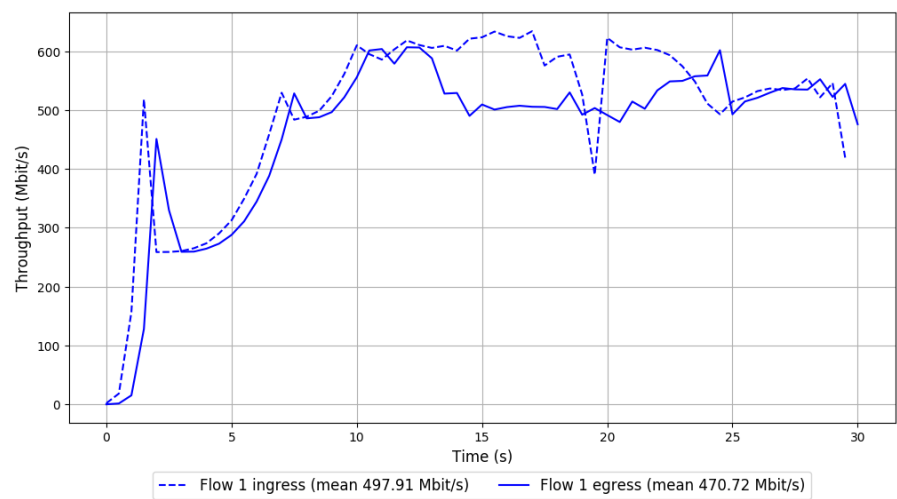
-- Flow 1:

Average throughput: 470.72 Mbit/s

95th percentile per-packet one-way delay: 221.794 ms

Loss rate: 5.46%

Run 4: Report of PCC-Allegro — Data Link

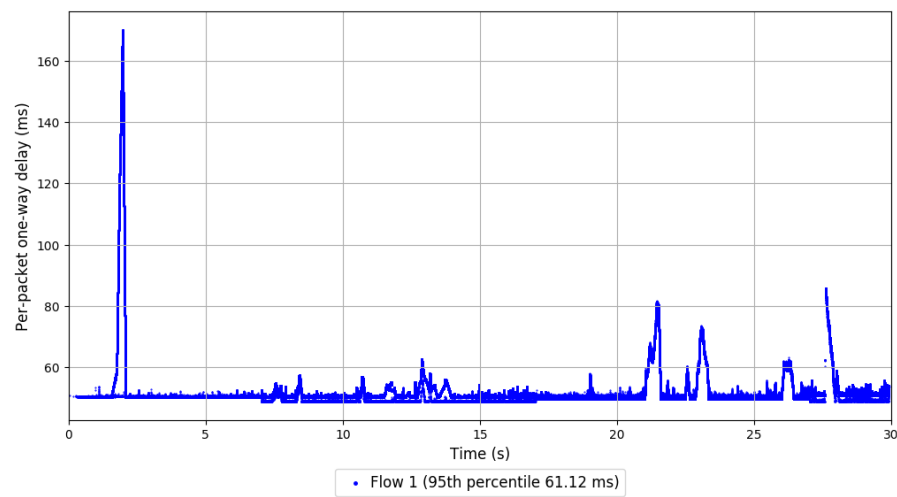
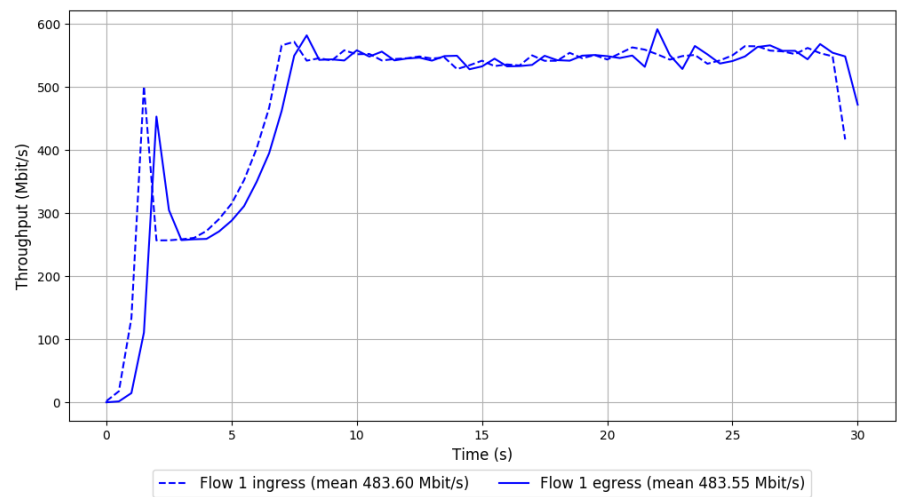


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-20 02:46:41
End at: 2018-07-20 02:47:11
Local clock offset: -0.042 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 06:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 483.55 Mbit/s
95th percentile per-packet one-way delay: 61.121 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 483.55 Mbit/s
95th percentile per-packet one-way delay: 61.121 ms
Loss rate: 0.01%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-20 03:08:40

End at: 2018-07-20 03:09:10

Local clock offset: 0.261 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-20 06:17:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.96 Mbit/s

95th percentile per-packet one-way delay: 188.838 ms

Loss rate: 1.28%

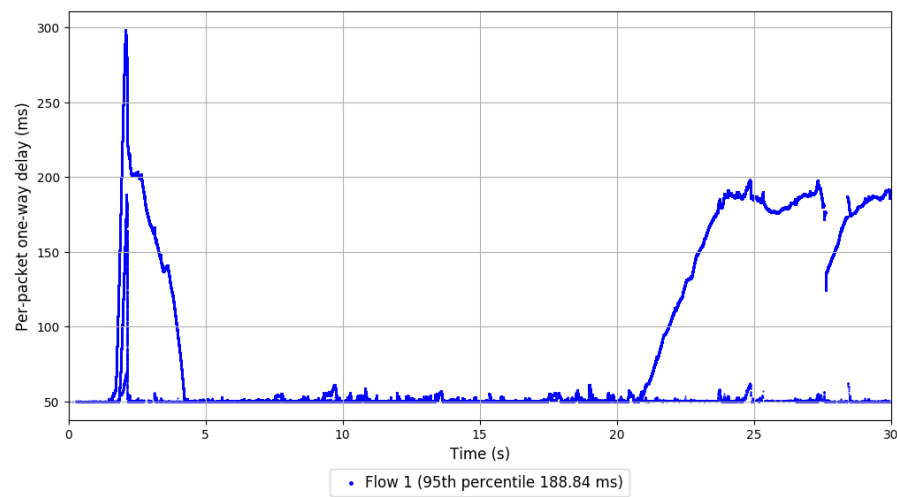
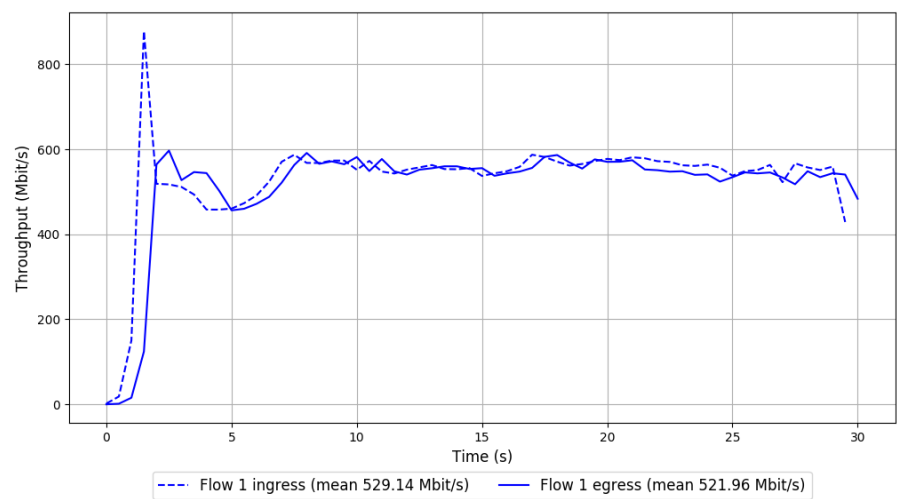
-- Flow 1:

Average throughput: 521.96 Mbit/s

95th percentile per-packet one-way delay: 188.838 ms

Loss rate: 1.28%

Run 6: Report of PCC-Allegro — Data Link

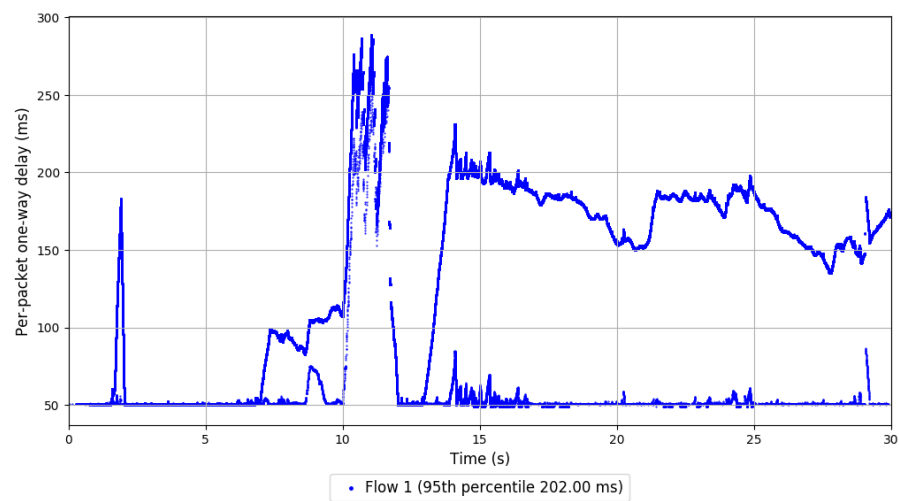
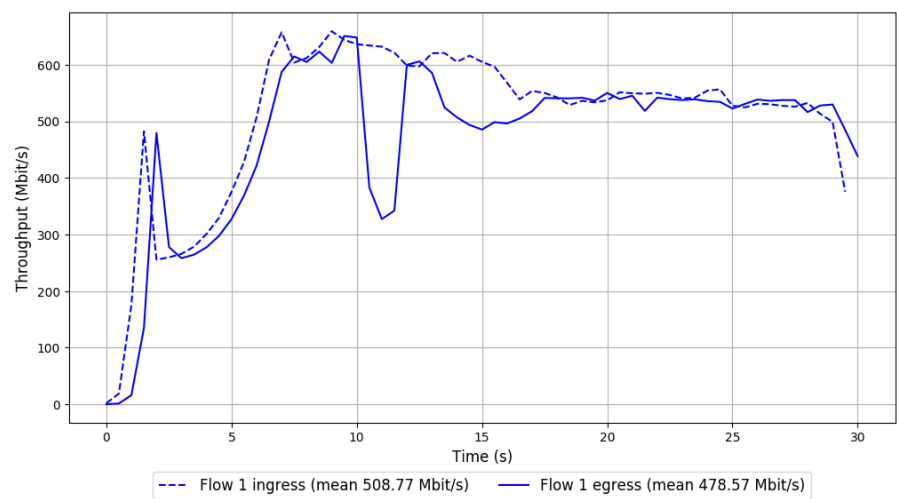


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-20 03:30:33
End at: 2018-07-20 03:31:03
Local clock offset: -0.132 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-20 06:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 478.57 Mbit/s
95th percentile per-packet one-way delay: 202.003 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 478.57 Mbit/s
95th percentile per-packet one-way delay: 202.003 ms
Loss rate: 5.86%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-20 03:52:40

End at: 2018-07-20 03:53:10

Local clock offset: 0.202 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-20 06:17:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 524.16 Mbit/s

95th percentile per-packet one-way delay: 174.977 ms

Loss rate: 0.76%

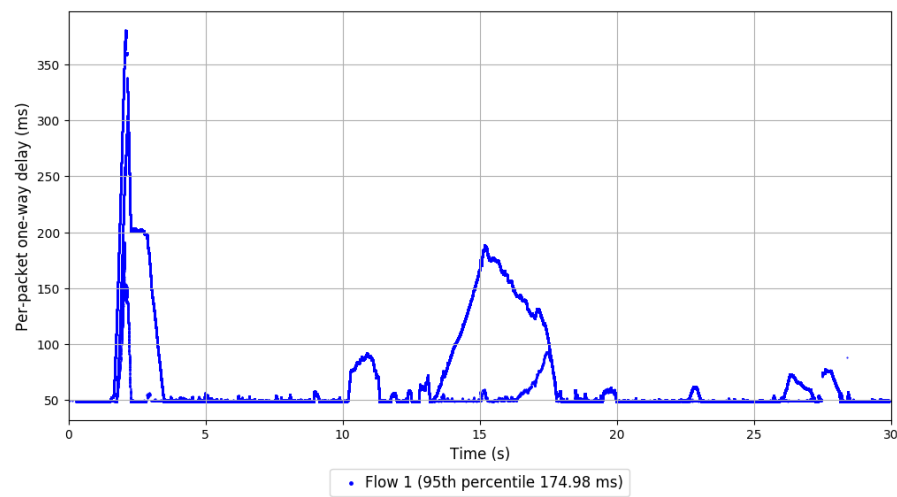
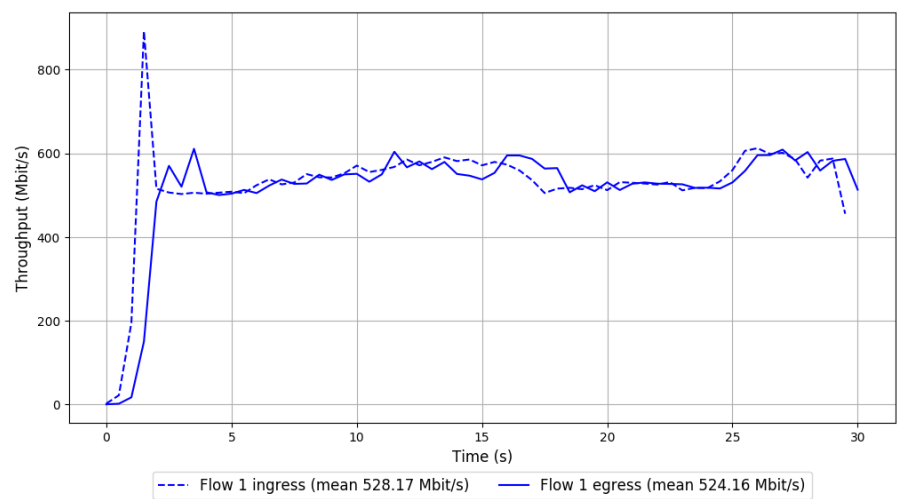
-- Flow 1:

Average throughput: 524.16 Mbit/s

95th percentile per-packet one-way delay: 174.977 ms

Loss rate: 0.76%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-20 04:14:45

End at: 2018-07-20 04:15:15

Local clock offset: -0.52 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-20 06:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.50 Mbit/s

95th percentile per-packet one-way delay: 170.988 ms

Loss rate: 0.06%

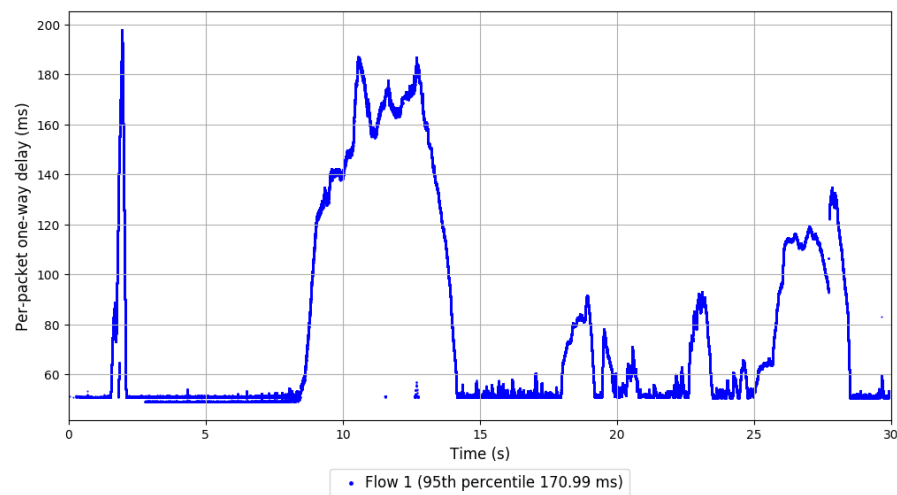
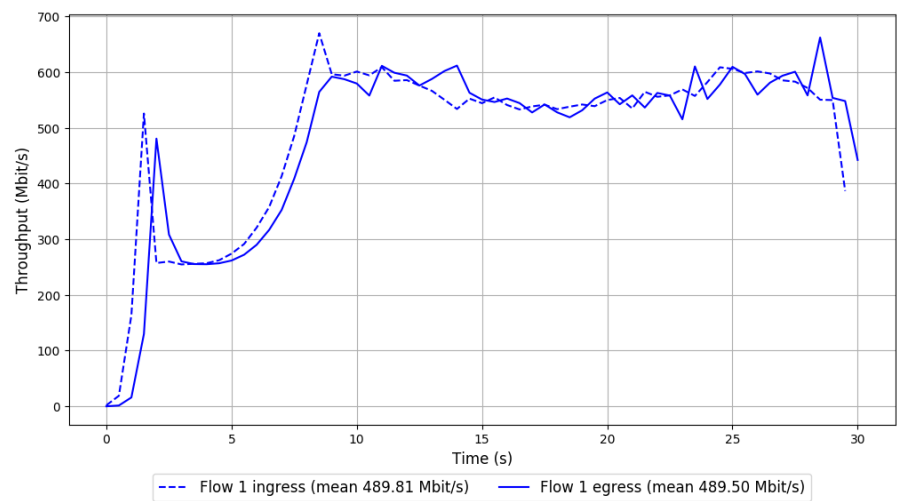
-- Flow 1:

Average throughput: 489.50 Mbit/s

95th percentile per-packet one-way delay: 170.988 ms

Loss rate: 0.06%

Run 9: Report of PCC-Allegro — Data Link

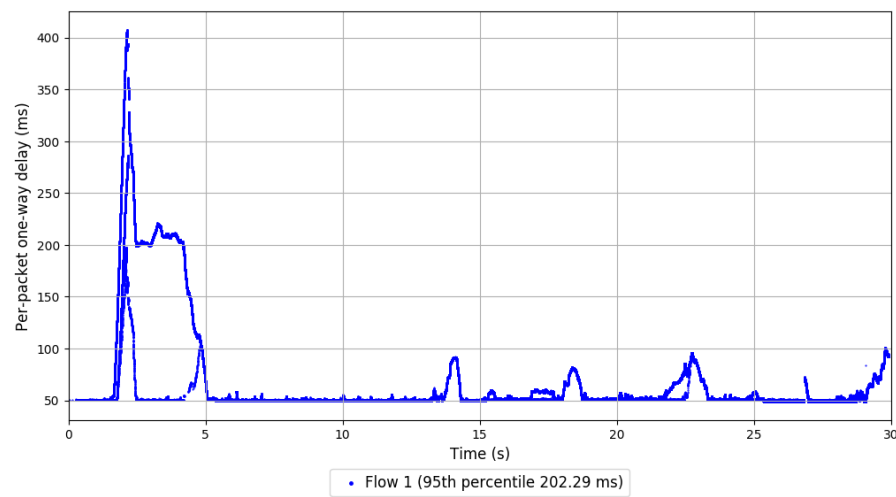
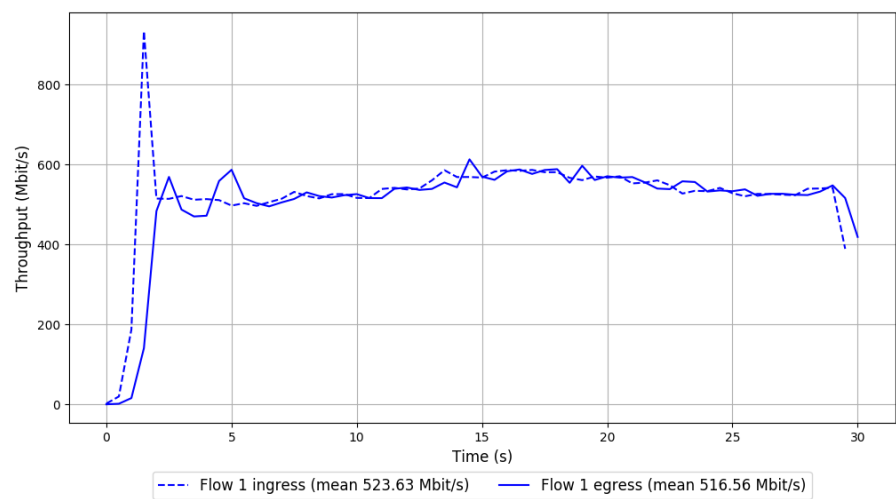


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-20 04:36:43
End at: 2018-07-20 04:37:13
Local clock offset: -0.163 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-20 06:24:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.56 Mbit/s
95th percentile per-packet one-way delay: 202.294 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 516.56 Mbit/s
95th percentile per-packet one-way delay: 202.294 ms
Loss rate: 1.35%

Run 10: Report of PCC-Allegro — Data Link

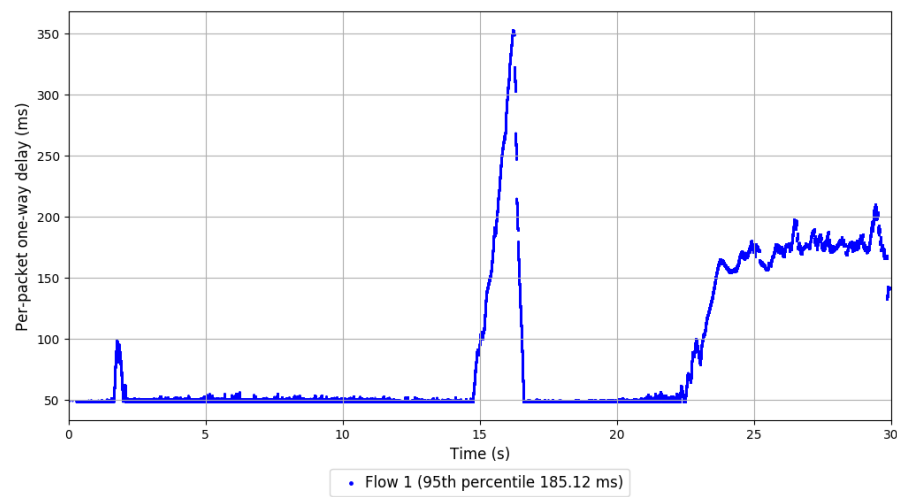
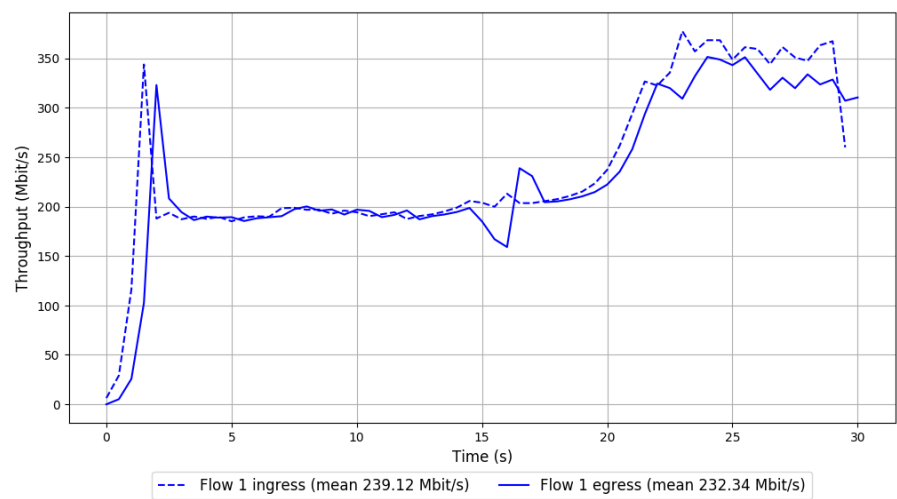


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-20 01:34:16
End at: 2018-07-20 01:34:46
Local clock offset: 0.547 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-07-20 06:24:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 232.34 Mbit/s
95th percentile per-packet one-way delay: 185.115 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 232.34 Mbit/s
95th percentile per-packet one-way delay: 185.115 ms
Loss rate: 2.83%
```

Run 1: Report of PCC-Expr — Data Link

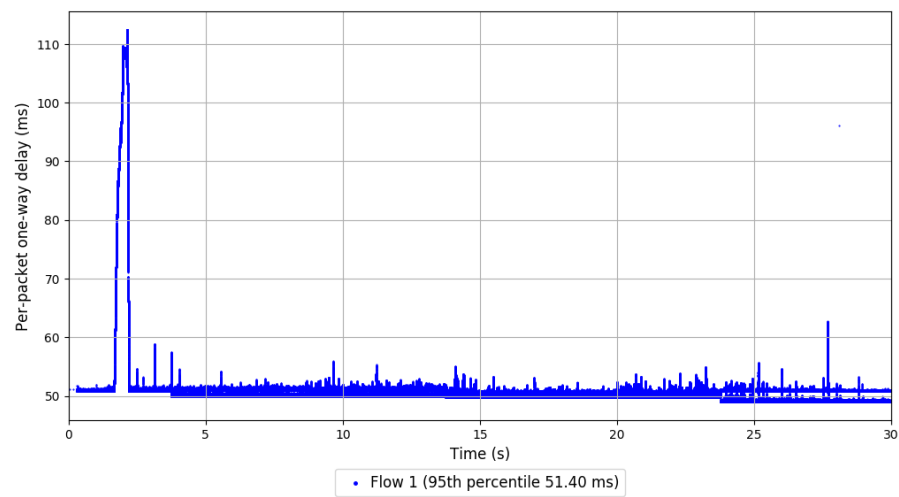
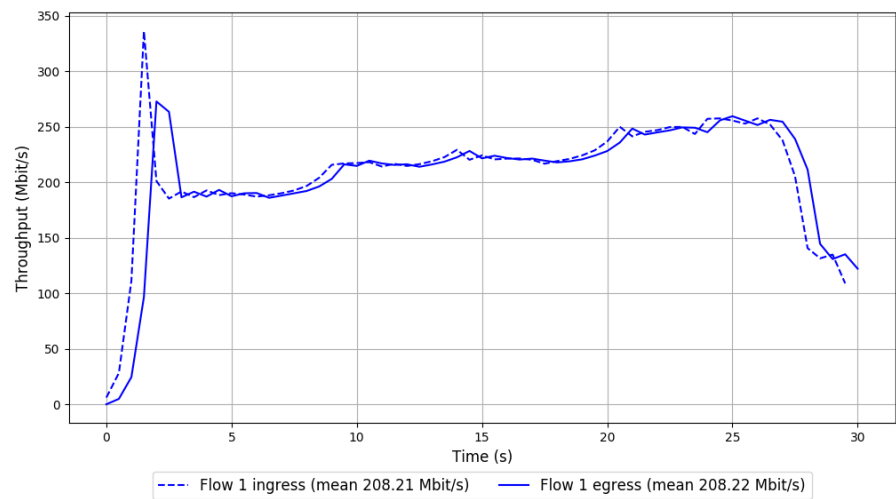


Run 2: Statistics of PCC-Expr

Start at: 2018-07-20 01:56:14
End at: 2018-07-20 01:56:44
Local clock offset: -0.376 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 06:24:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.22 Mbit/s
95th percentile per-packet one-way delay: 51.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.22 Mbit/s
95th percentile per-packet one-way delay: 51.400 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

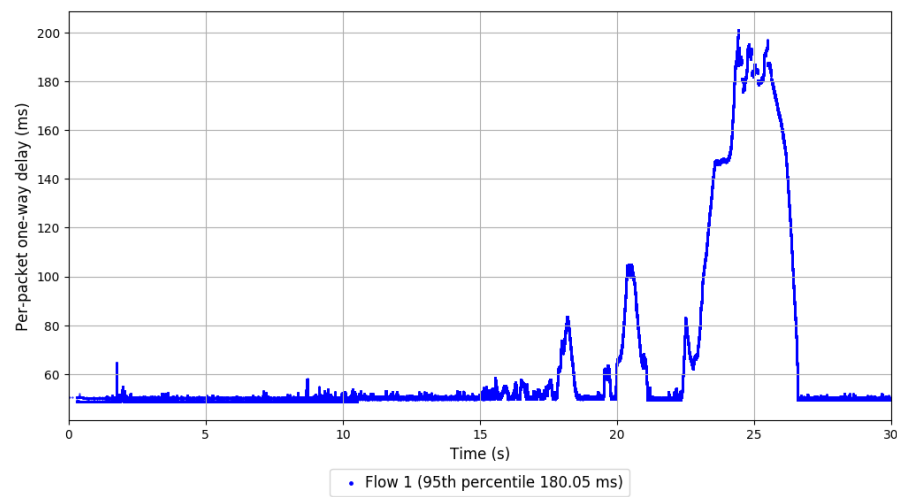
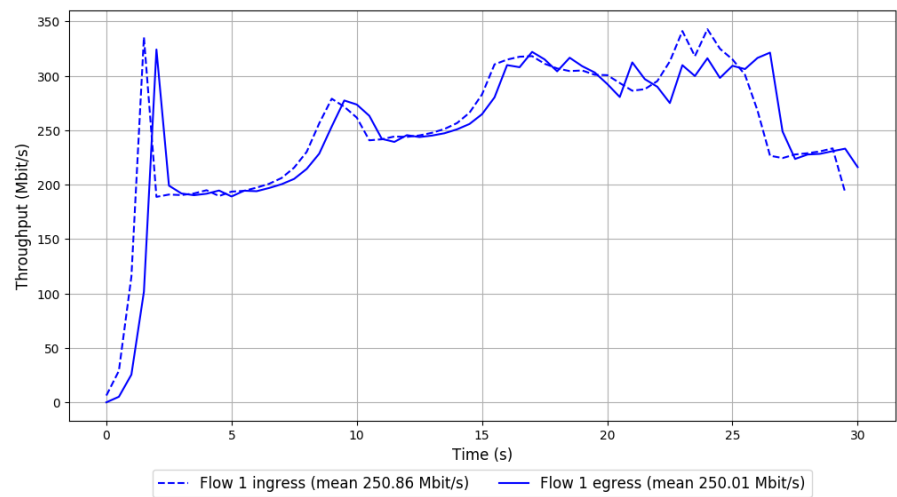


Run 3: Statistics of PCC-Expr

Start at: 2018-07-20 02:17:57
End at: 2018-07-20 02:18:27
Local clock offset: -0.21 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 06:25:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.01 Mbit/s
95th percentile per-packet one-way delay: 180.051 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 250.01 Mbit/s
95th percentile per-packet one-way delay: 180.051 ms
Loss rate: 0.34%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-20 02:39:52

End at: 2018-07-20 02:40:22

Local clock offset: -0.031 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-20 06:25:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.65 Mbit/s

95th percentile per-packet one-way delay: 84.751 ms

Loss rate: 0.00%

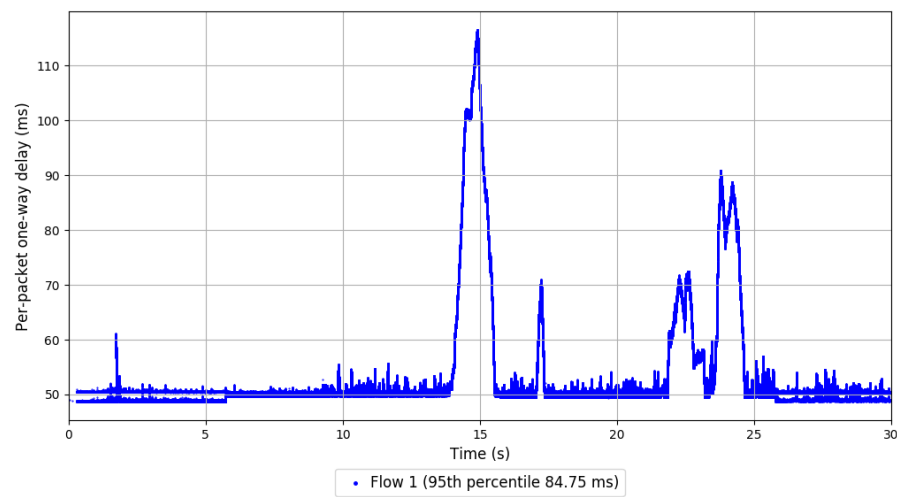
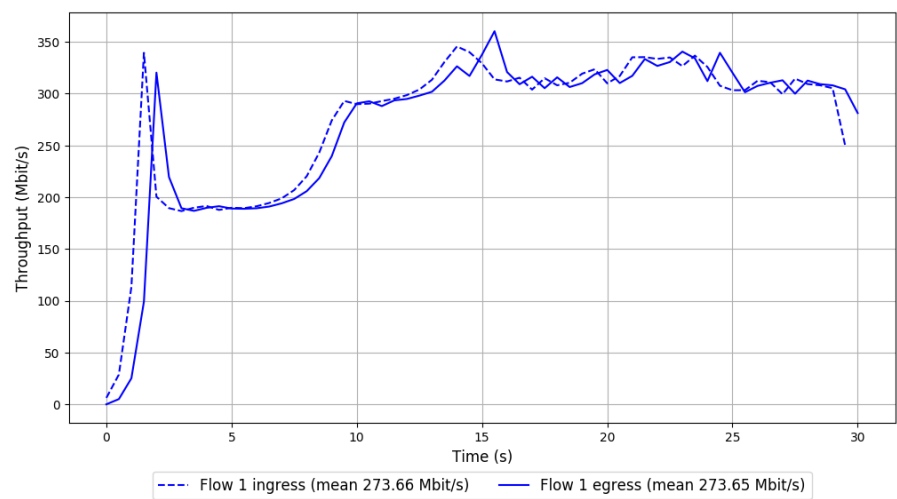
-- Flow 1:

Average throughput: 273.65 Mbit/s

95th percentile per-packet one-way delay: 84.751 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

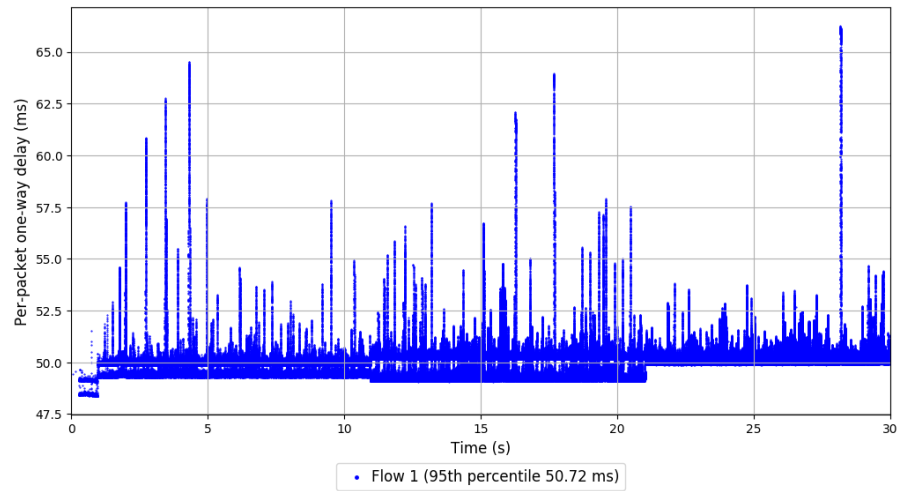
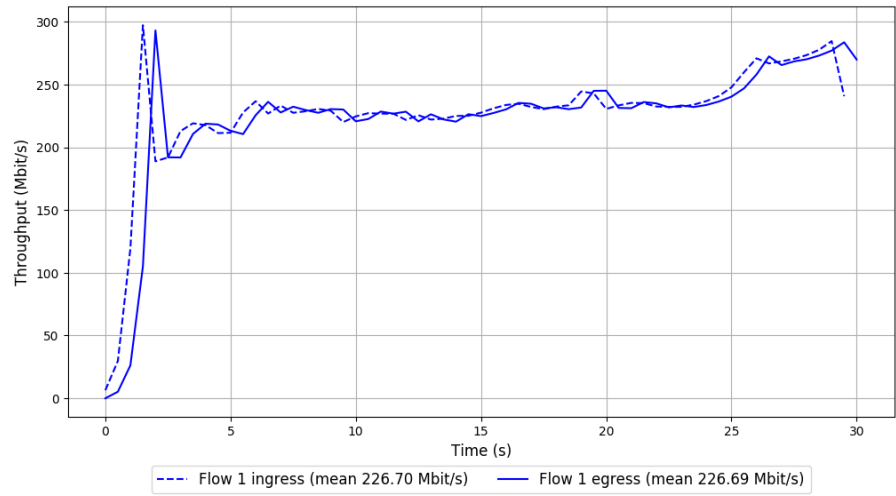


Run 5: Statistics of PCC-Expr

Start at: 2018-07-20 03:01:47
End at: 2018-07-20 03:02:17
Local clock offset: 0.273 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-20 06:25:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.69 Mbit/s
95th percentile per-packet one-way delay: 50.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.69 Mbit/s
95th percentile per-packet one-way delay: 50.721 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

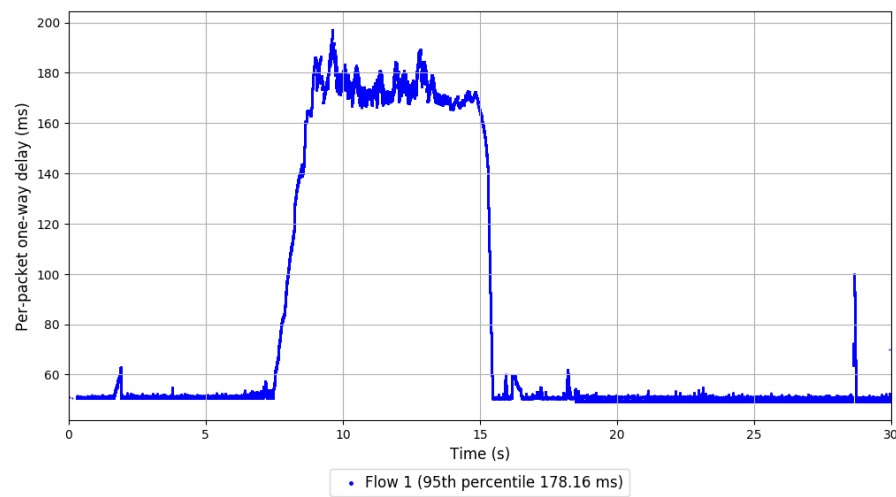
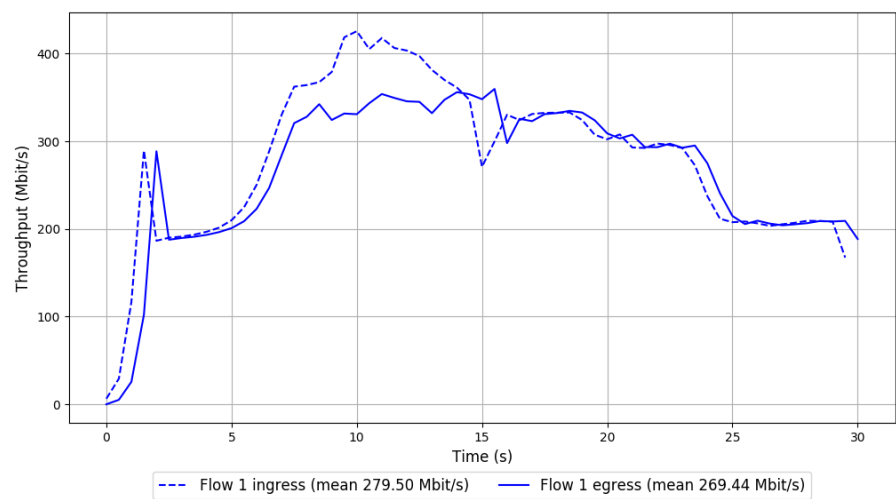


Run 6: Statistics of PCC-Expr

Start at: 2018-07-20 03:23:40
End at: 2018-07-20 03:24:10
Local clock offset: -0.473 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-20 06:26:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.44 Mbit/s
95th percentile per-packet one-way delay: 178.157 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 269.44 Mbit/s
95th percentile per-packet one-way delay: 178.157 ms
Loss rate: 3.60%

Run 6: Report of PCC-Expr — Data Link

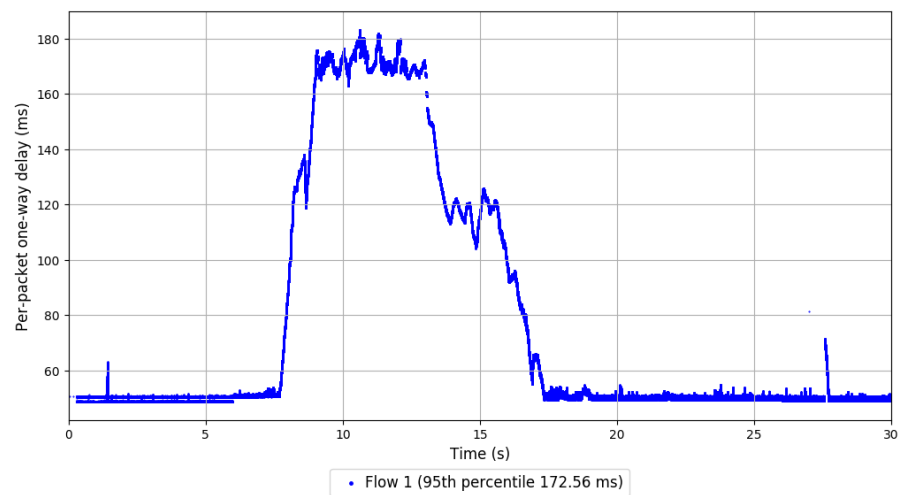
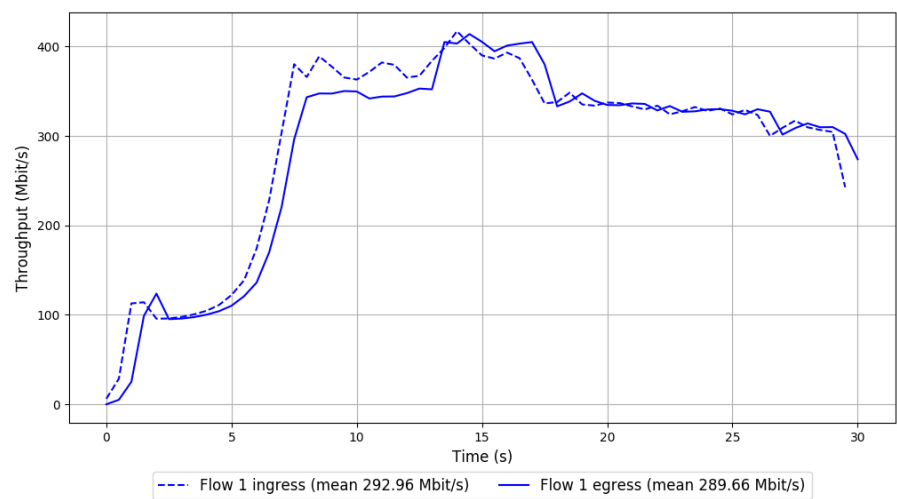


Run 7: Statistics of PCC-Expr

Start at: 2018-07-20 03:45:42
End at: 2018-07-20 03:46:12
Local clock offset: -0.147 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-20 06:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.66 Mbit/s
95th percentile per-packet one-way delay: 172.561 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 289.66 Mbit/s
95th percentile per-packet one-way delay: 172.561 ms
Loss rate: 1.13%

Run 7: Report of PCC-Expr — Data Link

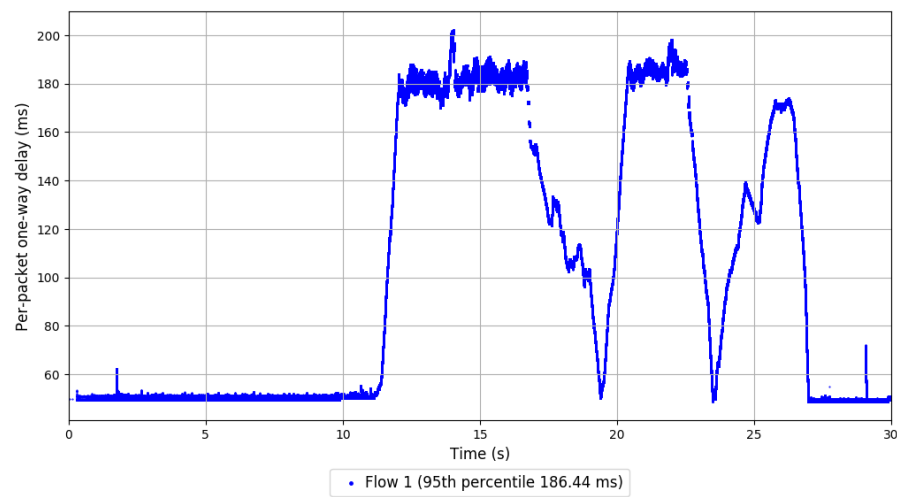
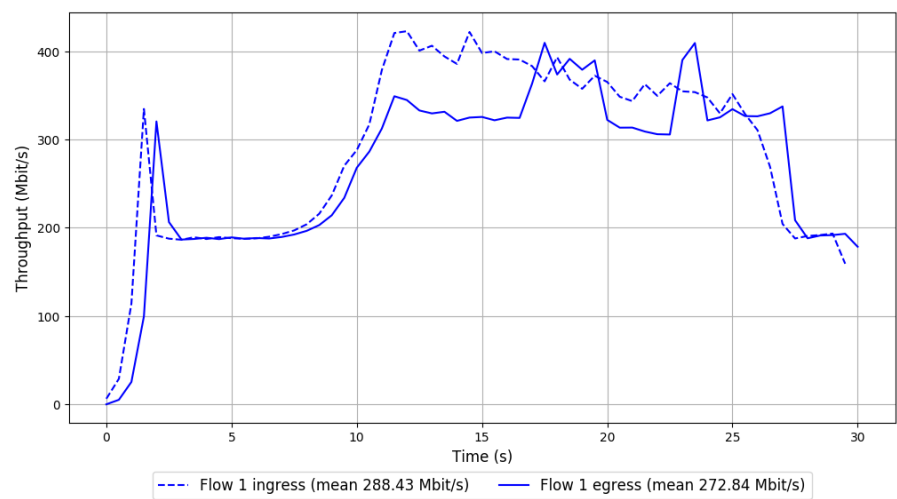


Run 8: Statistics of PCC-Expr

Start at: 2018-07-20 04:07:48
End at: 2018-07-20 04:08:18
Local clock offset: -0.132 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-20 06:31:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.84 Mbit/s
95th percentile per-packet one-way delay: 186.435 ms
Loss rate: 5.40%
-- Flow 1:
Average throughput: 272.84 Mbit/s
95th percentile per-packet one-way delay: 186.435 ms
Loss rate: 5.40%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-20 04:29:52

End at: 2018-07-20 04:30:22

Local clock offset: 0.24 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-20 06:31:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.30 Mbit/s

95th percentile per-packet one-way delay: 59.089 ms

Loss rate: 0.00%

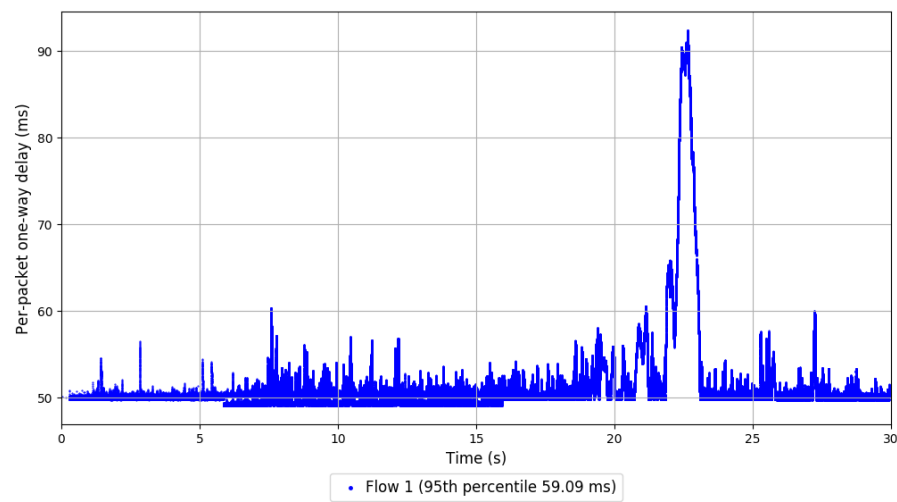
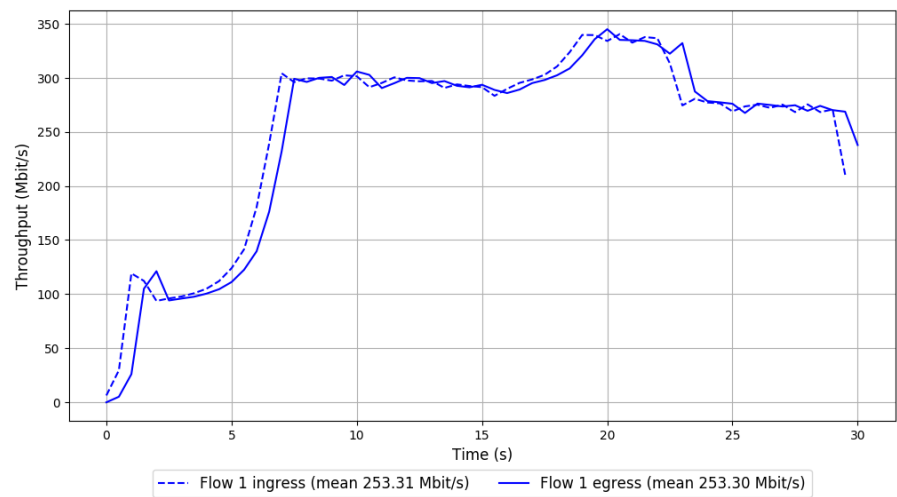
-- Flow 1:

Average throughput: 253.30 Mbit/s

95th percentile per-packet one-way delay: 59.089 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

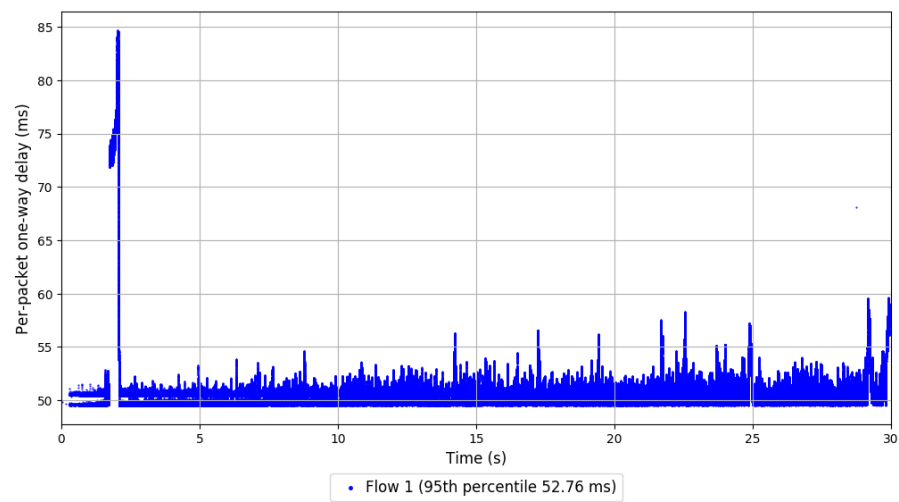
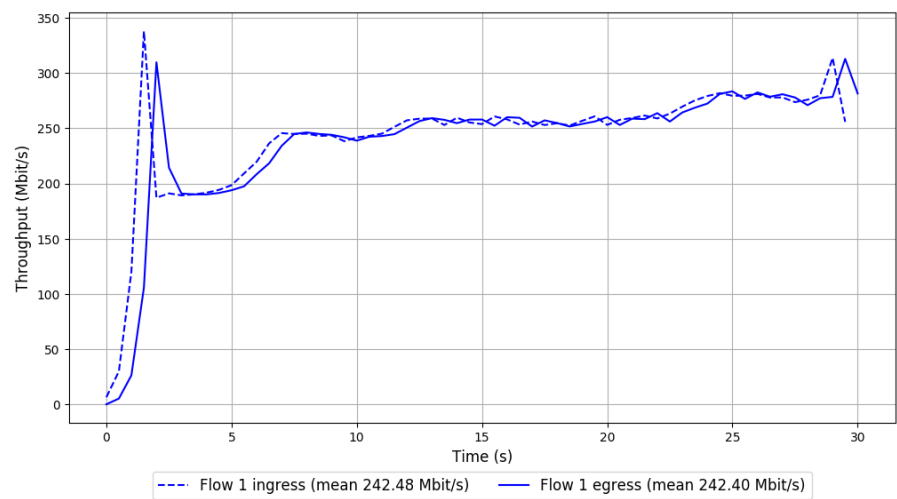


Run 10: Statistics of PCC-Expr

Start at: 2018-07-20 04:51:45
End at: 2018-07-20 04:52:15
Local clock offset: -0.139 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.40 Mbit/s
95th percentile per-packet one-way delay: 52.757 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 242.40 Mbit/s
95th percentile per-packet one-way delay: 52.757 ms
Loss rate: 0.03%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-20 01:21:41

End at: 2018-07-20 01:22:11

Local clock offset: 0.05 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.50 Mbit/s

95th percentile per-packet one-way delay: 50.299 ms

Loss rate: 0.00%

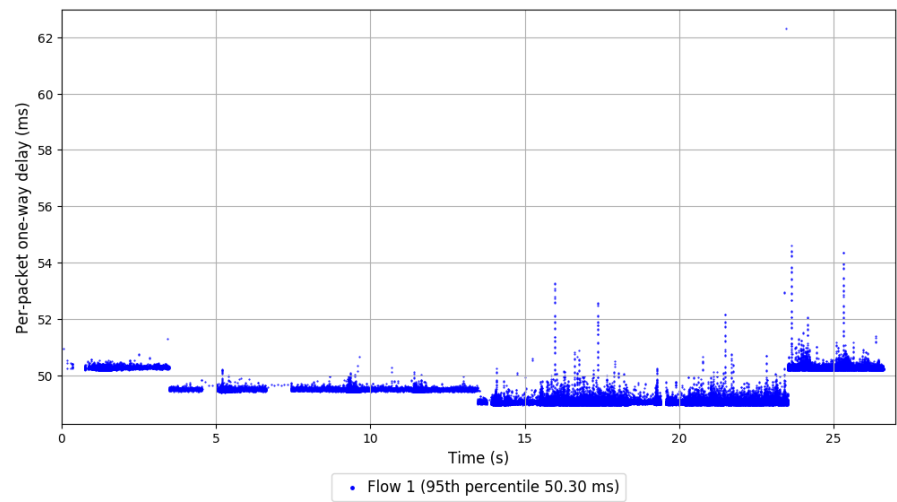
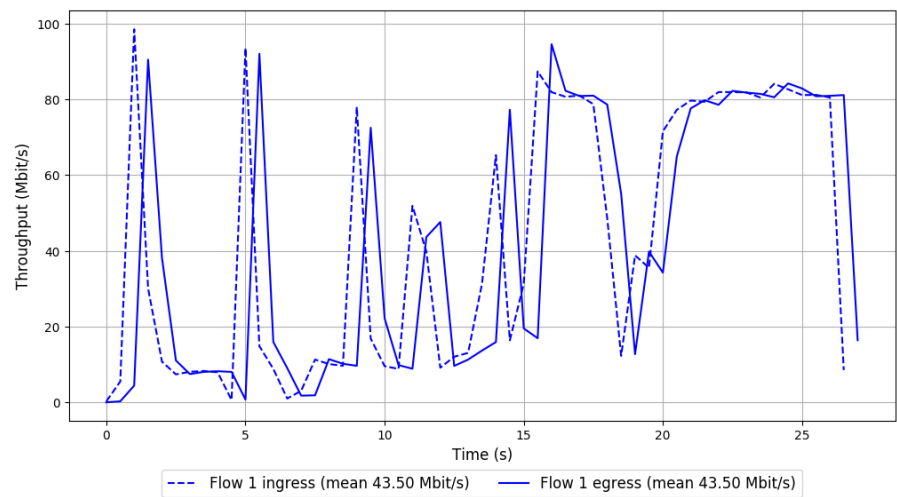
-- Flow 1:

Average throughput: 43.50 Mbit/s

95th percentile per-packet one-way delay: 50.299 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

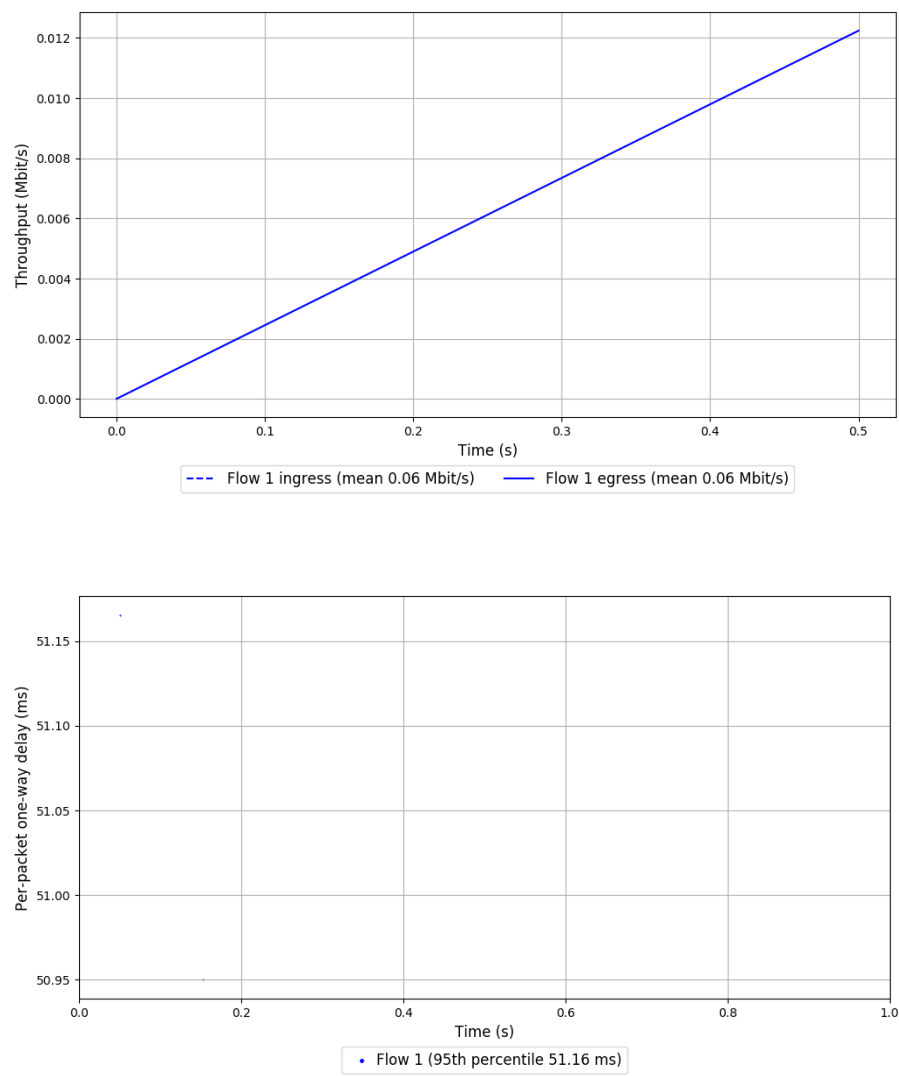
Start at: 2018-07-20 01:43:40

End at: 2018-07-20 01:44:10

Local clock offset: -0.18 ms

Remote clock offset: 0.005 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

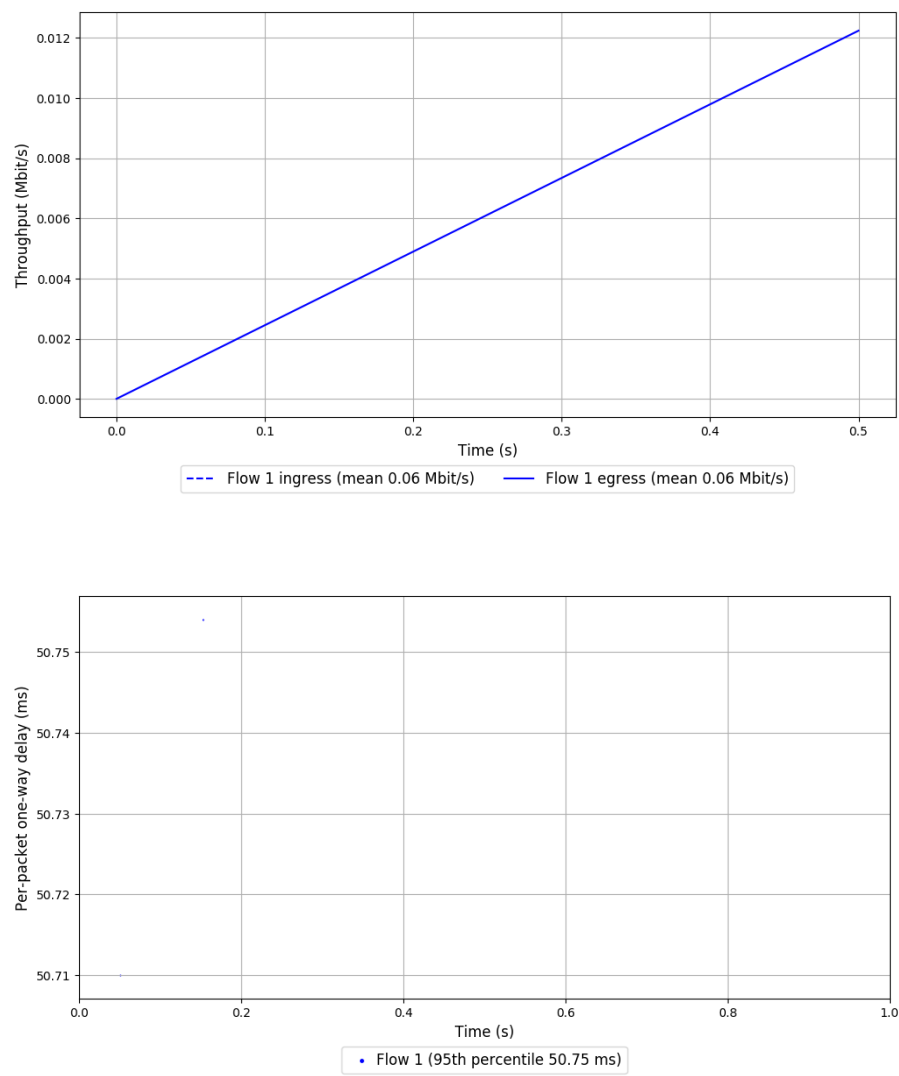
Start at: 2018-07-20 02:05:22

End at: 2018-07-20 02:05:52

Local clock offset: -0.12 ms

Remote clock offset: -0.046 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-20 02:27:16

End at: 2018-07-20 02:27:46

Local clock offset: -0.528 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.96 Mbit/s

95th percentile per-packet one-way delay: 50.264 ms

Loss rate: 0.00%

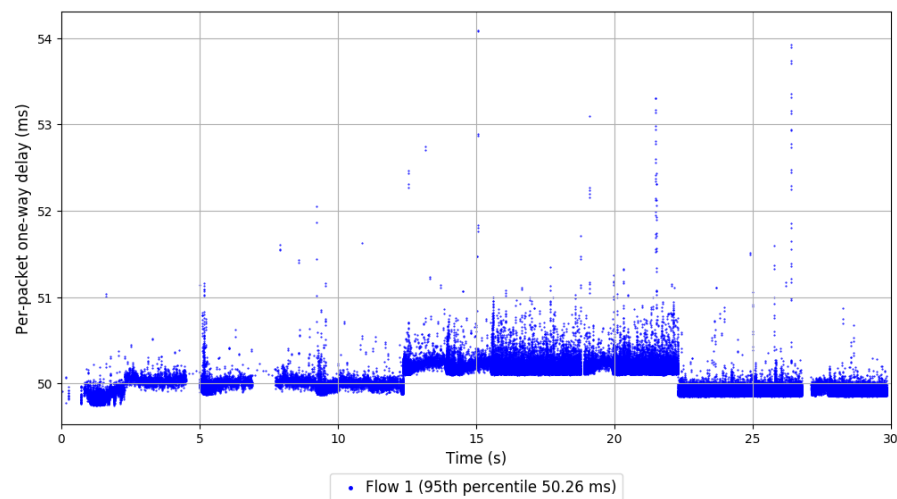
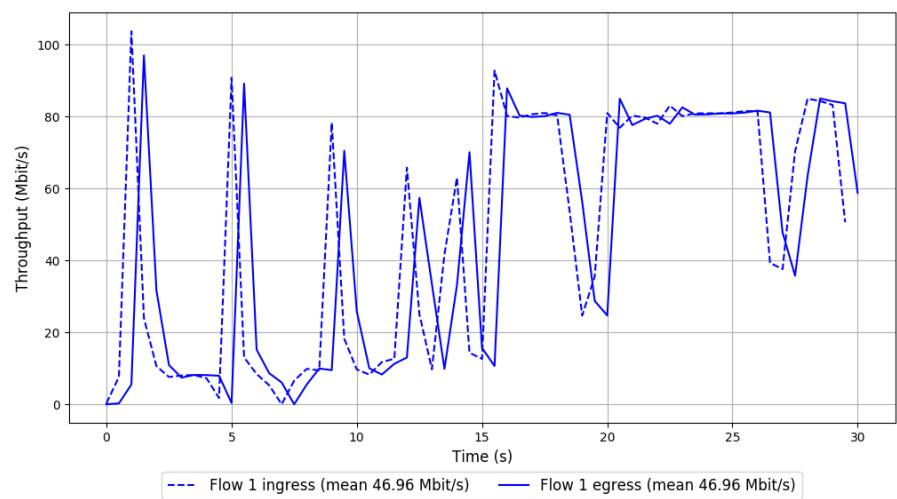
-- Flow 1:

Average throughput: 46.96 Mbit/s

95th percentile per-packet one-way delay: 50.264 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-20 02:49:08

End at: 2018-07-20 02:49:38

Local clock offset: -0.076 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 50.600 ms

Loss rate: 0.00%

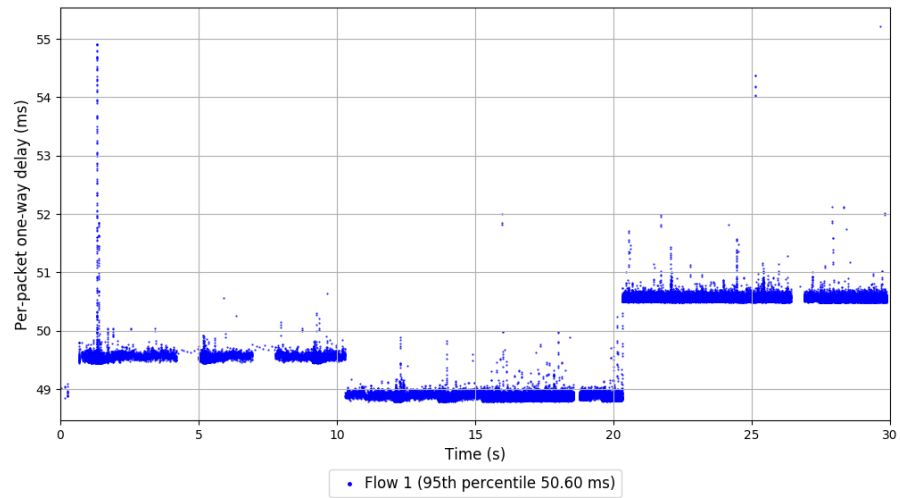
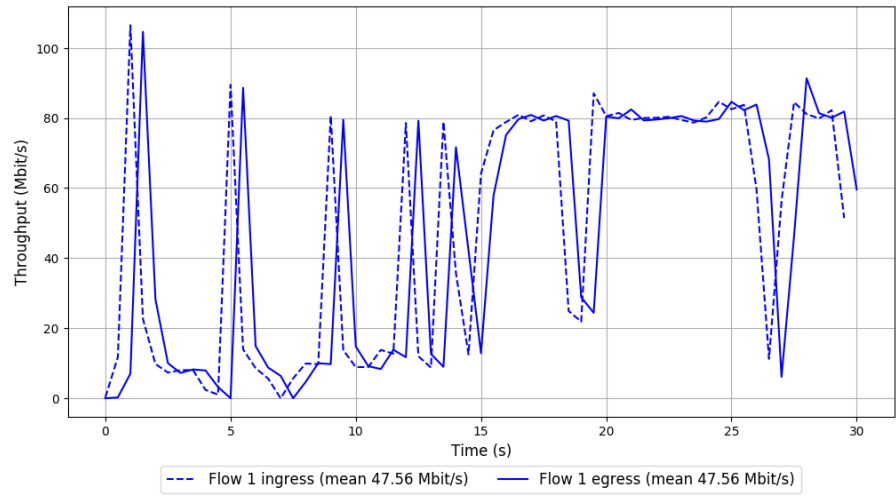
-- Flow 1:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 50.600 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-20 03:11:08

End at: 2018-07-20 03:11:38

Local clock offset: -0.095 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: 50.672 ms

Loss rate: 0.00%

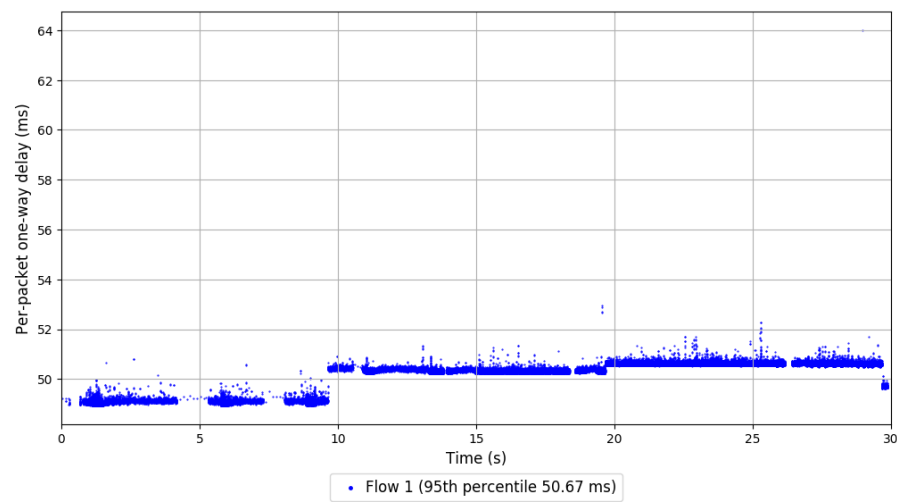
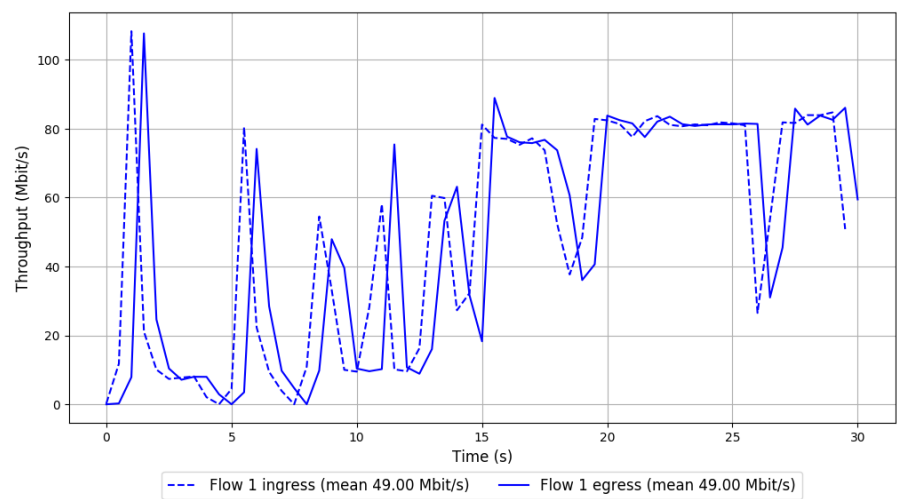
-- Flow 1:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: 50.672 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

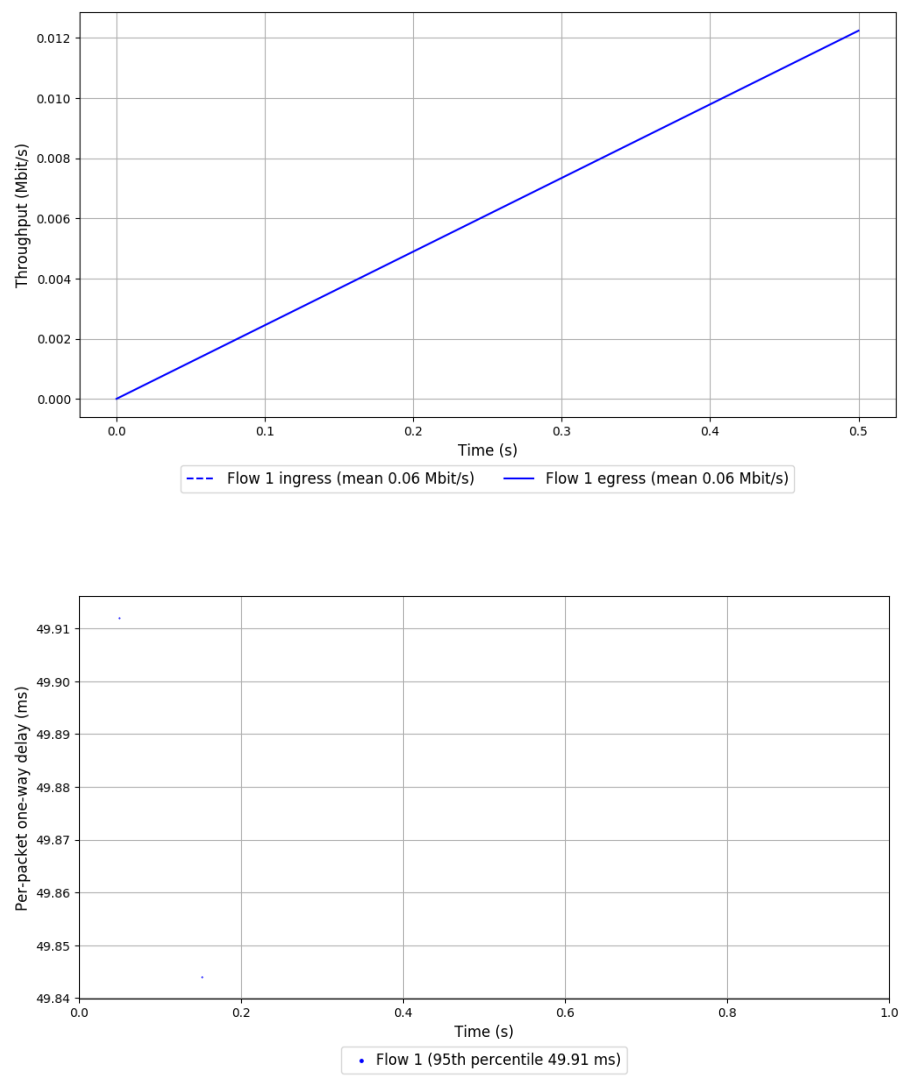
Start at: 2018-07-20 03:33:00

End at: 2018-07-20 03:33:30

Local clock offset: -0.13 ms

Remote clock offset: -0.037 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

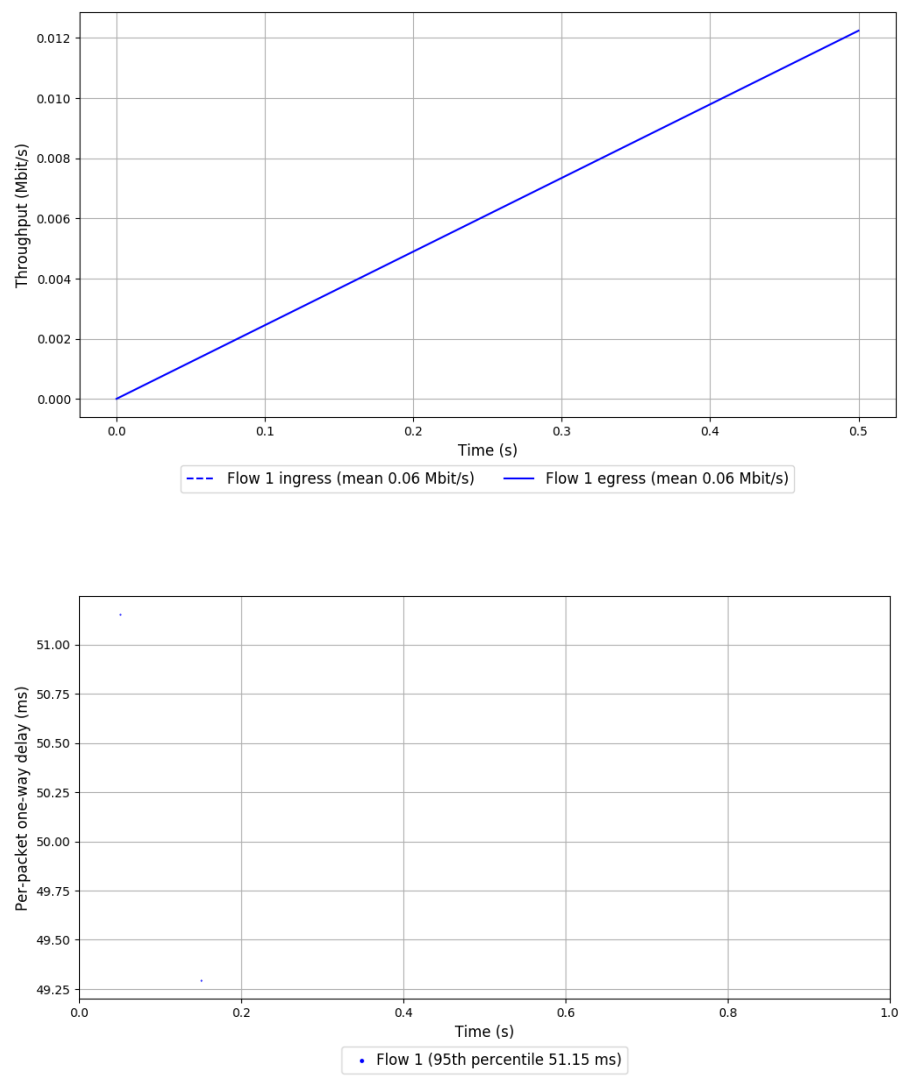
Start at: 2018-07-20 03:55:08

End at: 2018-07-20 03:55:38

Local clock offset: -0.493 ms

Remote clock offset: -0.034 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

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

End at: 2018-07-20 04:17:42

Local clock offset: 0.211 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.55 Mbit/s

95th percentile per-packet one-way delay: 49.196 ms

Loss rate: 0.00%

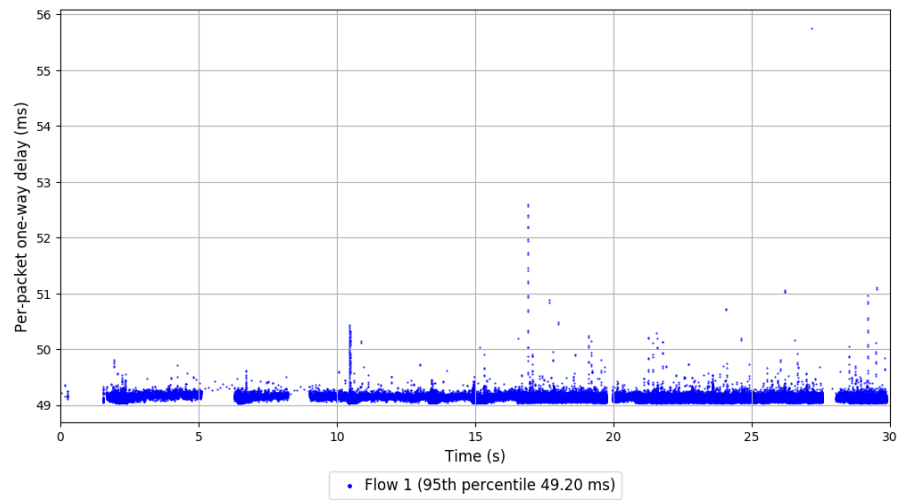
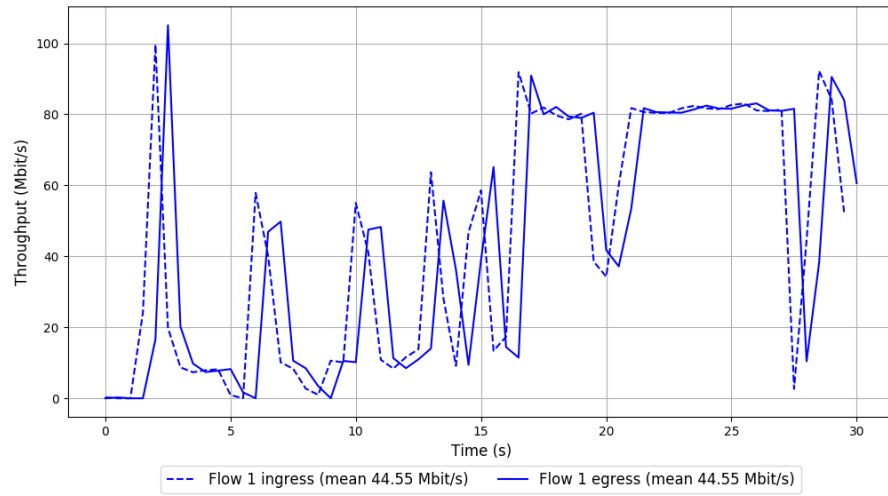
-- Flow 1:

Average throughput: 44.55 Mbit/s

95th percentile per-packet one-way delay: 49.196 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

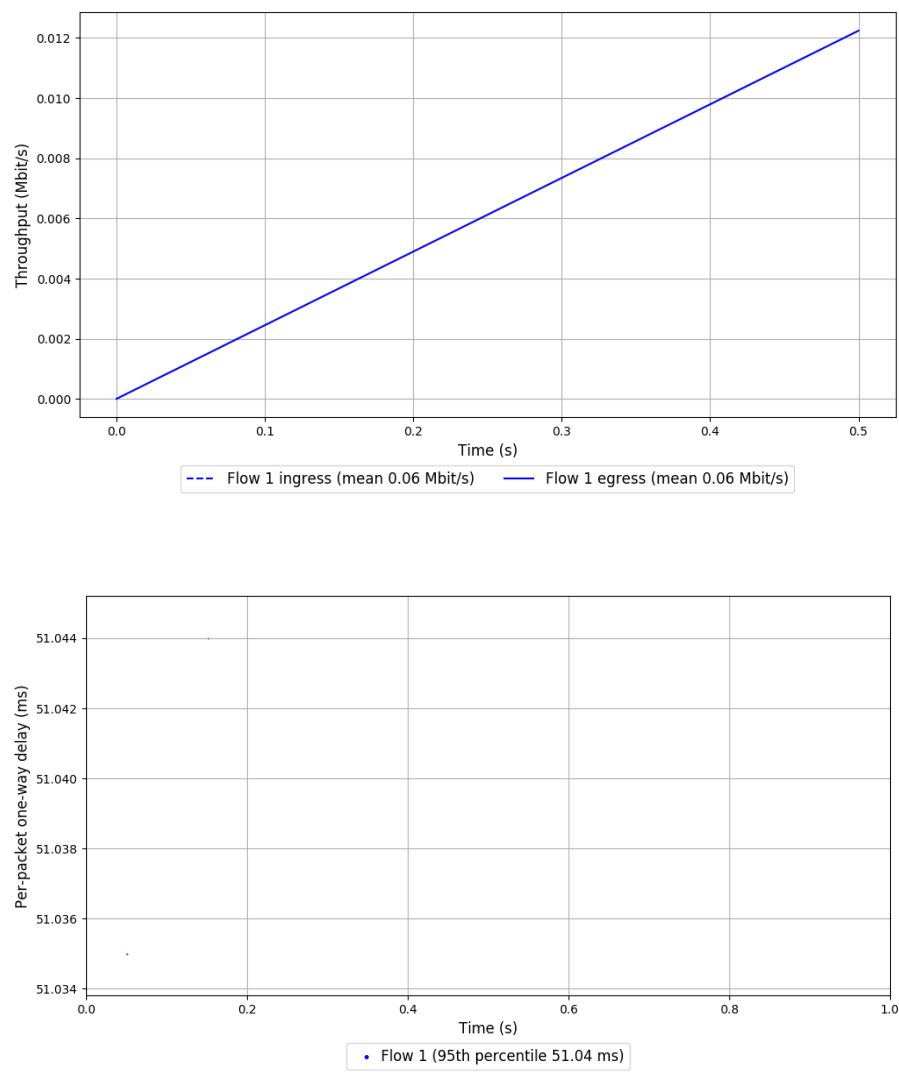
Start at: 2018-07-20 04:39:10

End at: 2018-07-20 04:39:41

Local clock offset: -0.46 ms

Remote clock offset: -0.145 ms

Run 10: Report of QUIC Cubic — Data Link

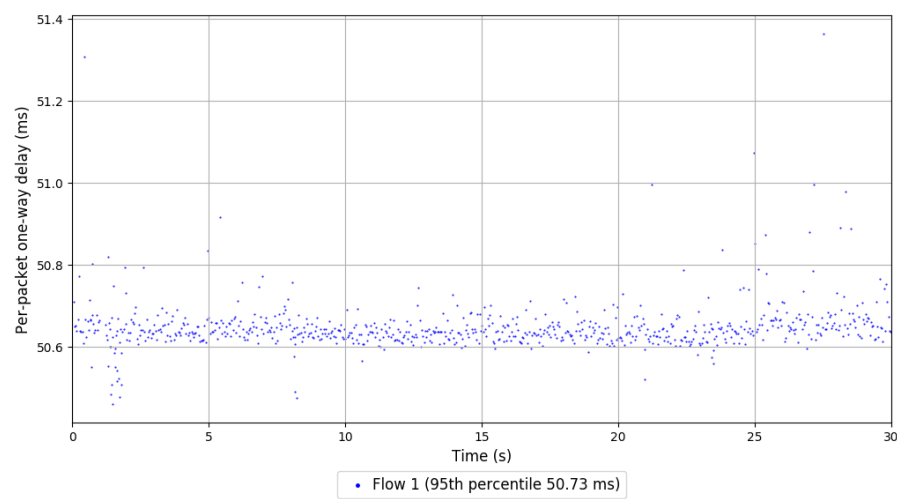
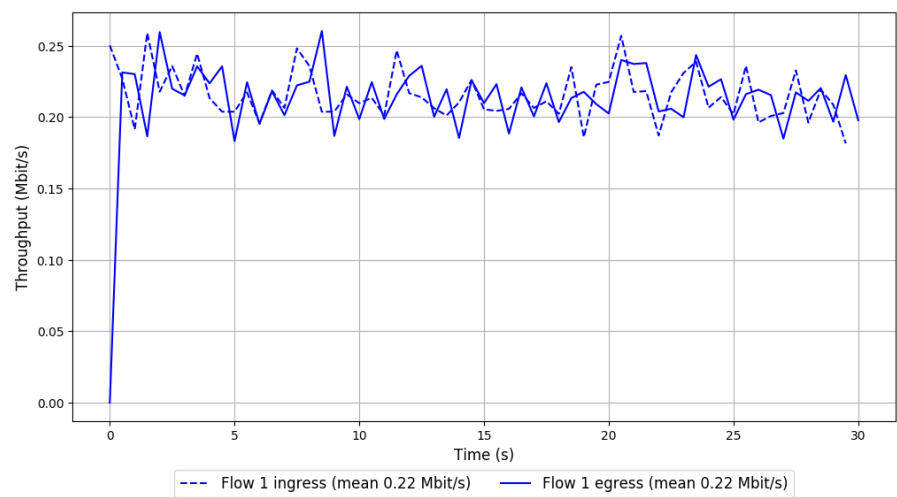


Run 1: Statistics of SCReAM

Start at: 2018-07-20 01:20:36
End at: 2018-07-20 01:21:06
Local clock offset: 0.064 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

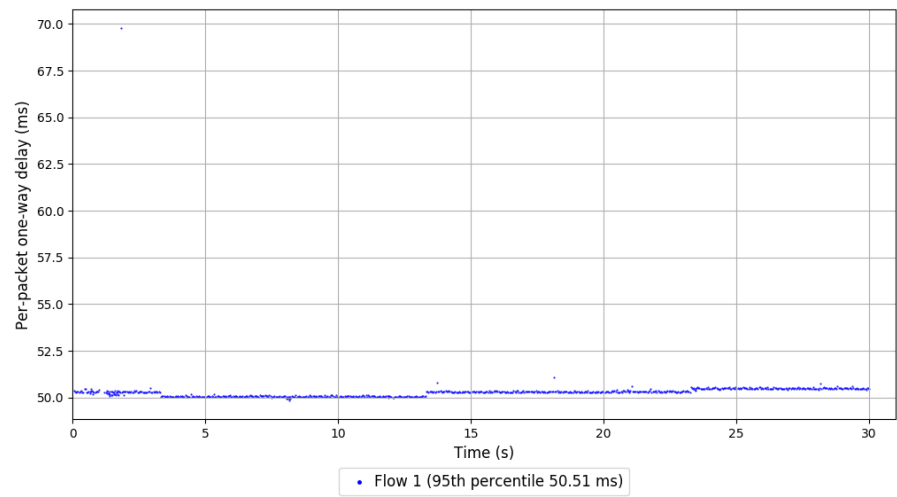
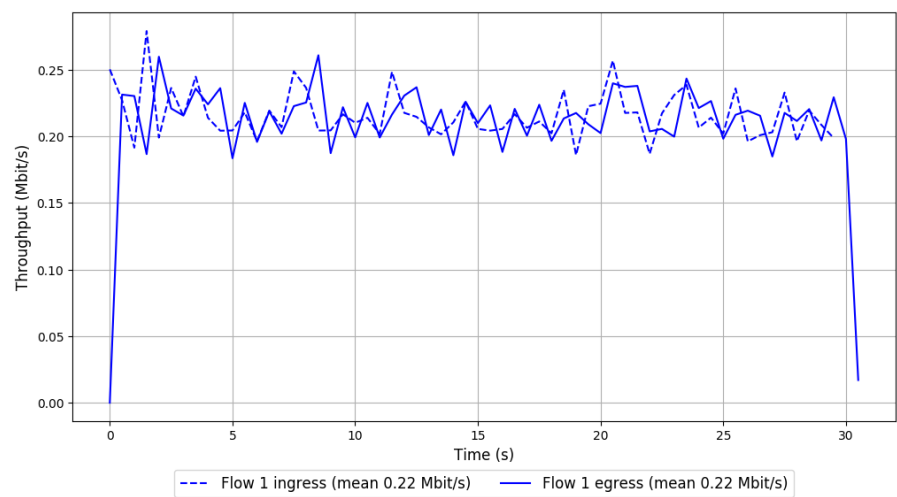


Run 2: Statistics of SCReAM

Start at: 2018-07-20 01:42:35
End at: 2018-07-20 01:43:05
Local clock offset: 0.542 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.510 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

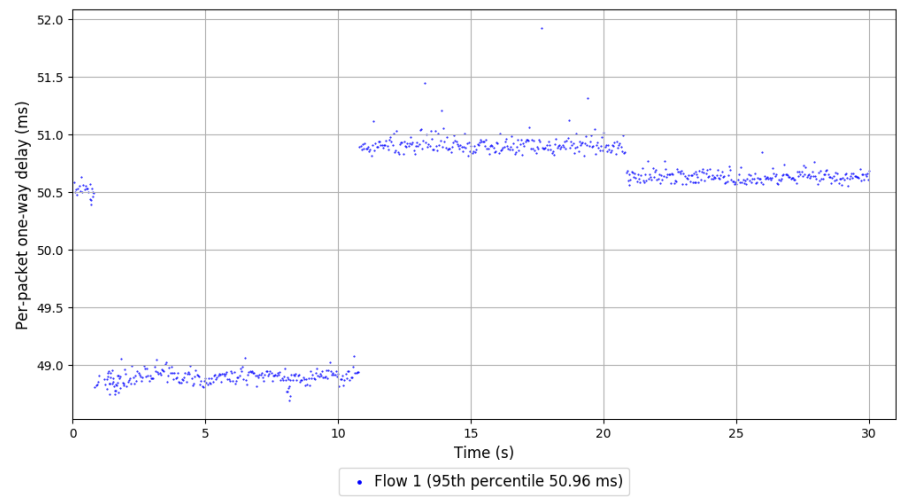
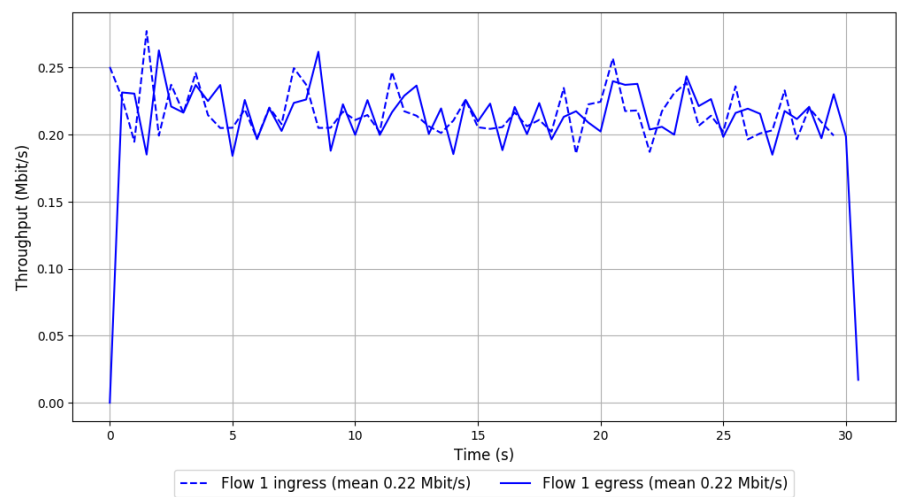


Run 3: Statistics of SCReAM

Start at: 2018-07-20 02:04:17
End at: 2018-07-20 02:04:47
Local clock offset: -0.109 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.957 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

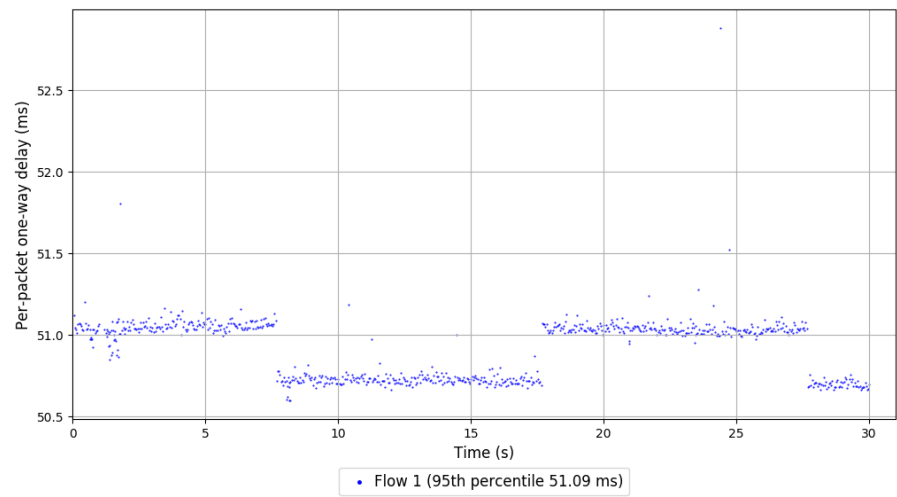
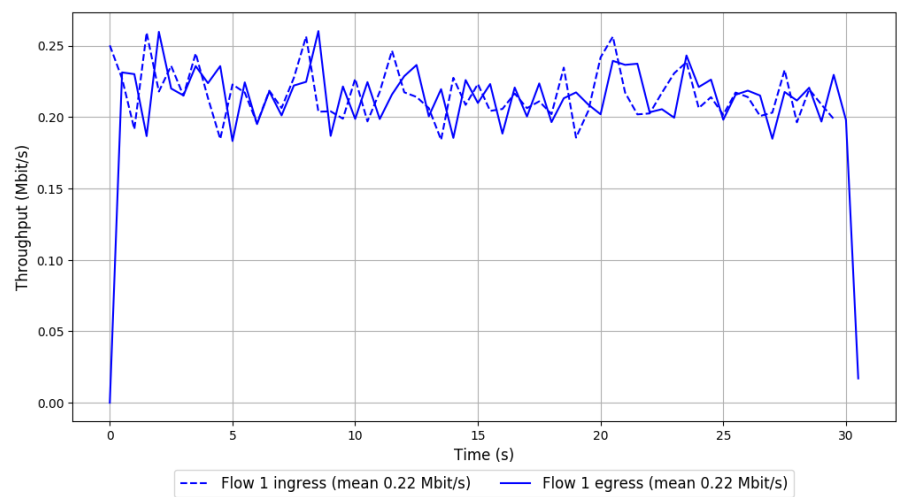


Run 4: Statistics of SCReAM

Start at: 2018-07-20 02:26:10
End at: 2018-07-20 02:26:40
Local clock offset: -0.509 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

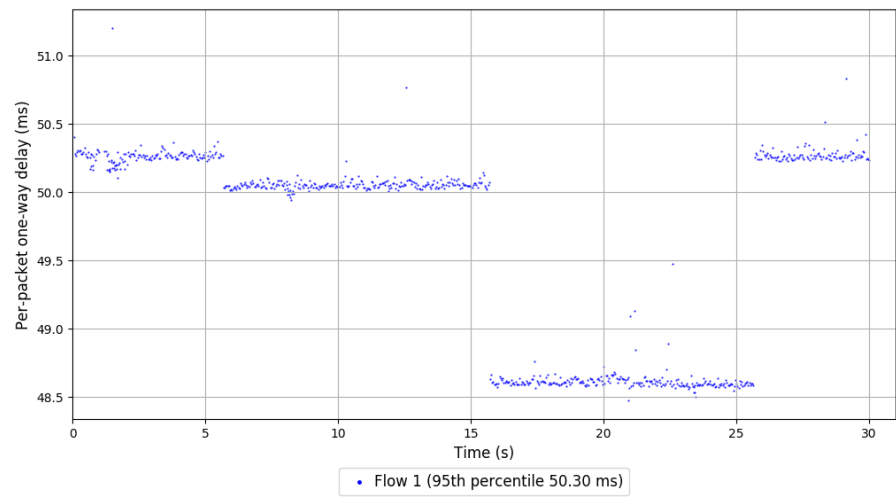
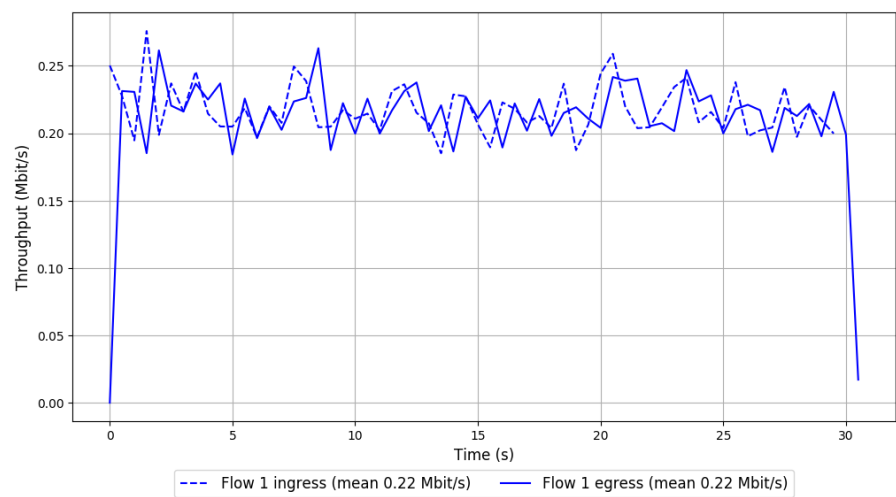


Run 5: Statistics of SCReAM

Start at: 2018-07-20 02:48:02
End at: 2018-07-20 02:48:32
Local clock offset: 0.291 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.295 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

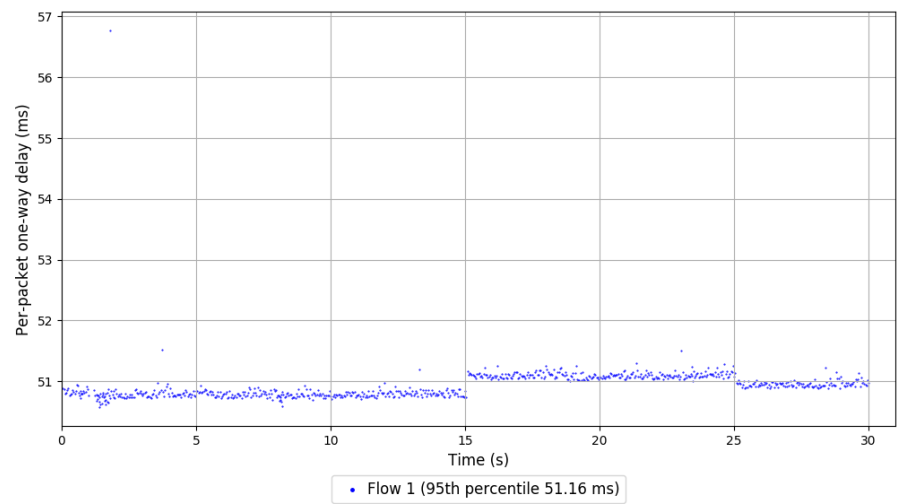
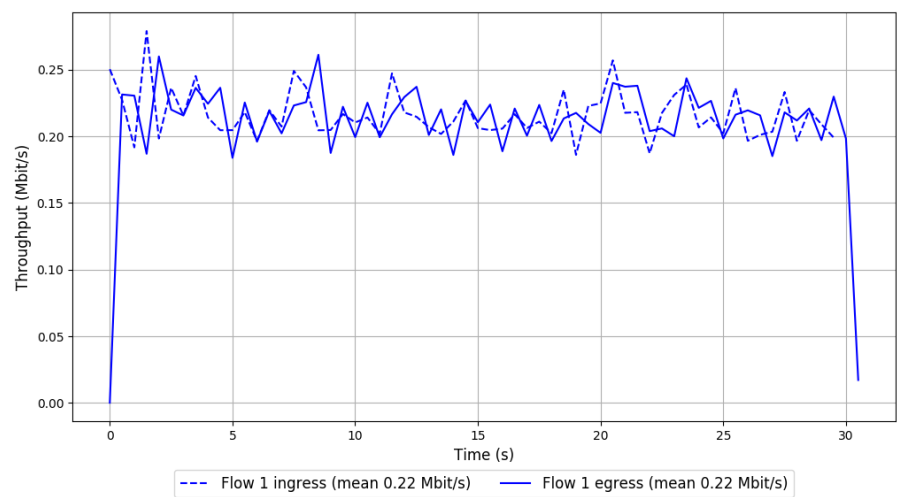


Run 6: Statistics of SCReAM

Start at: 2018-07-20 03:10:03
End at: 2018-07-20 03:10:33
Local clock offset: -0.441 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.155 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

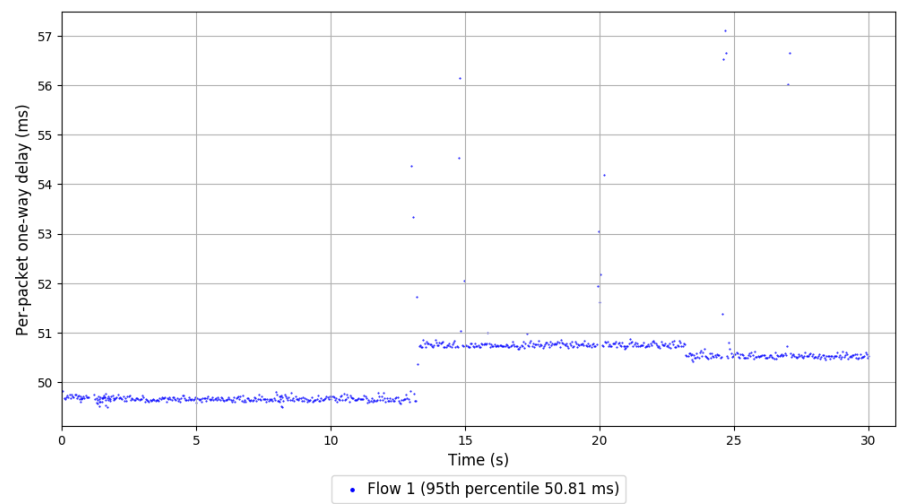
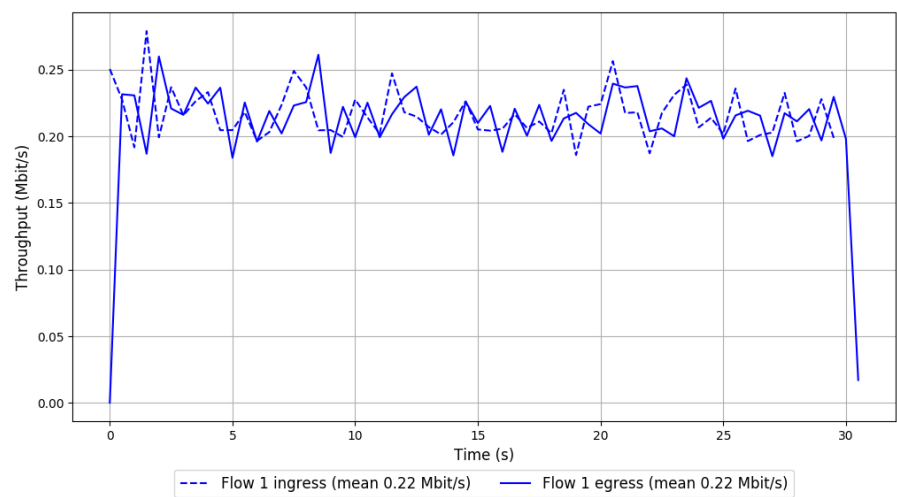


Run 7: Statistics of SCReAM

Start at: 2018-07-20 03:31:55
End at: 2018-07-20 03:32:25
Local clock offset: -0.114 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.815 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

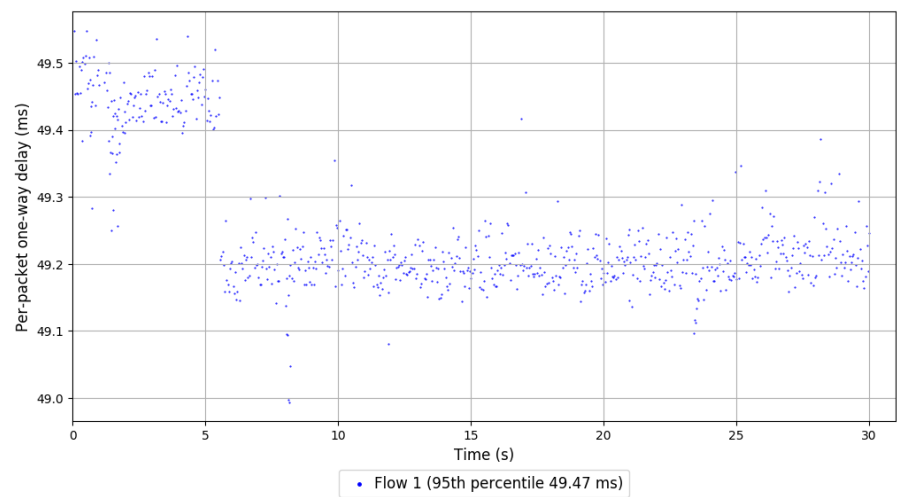
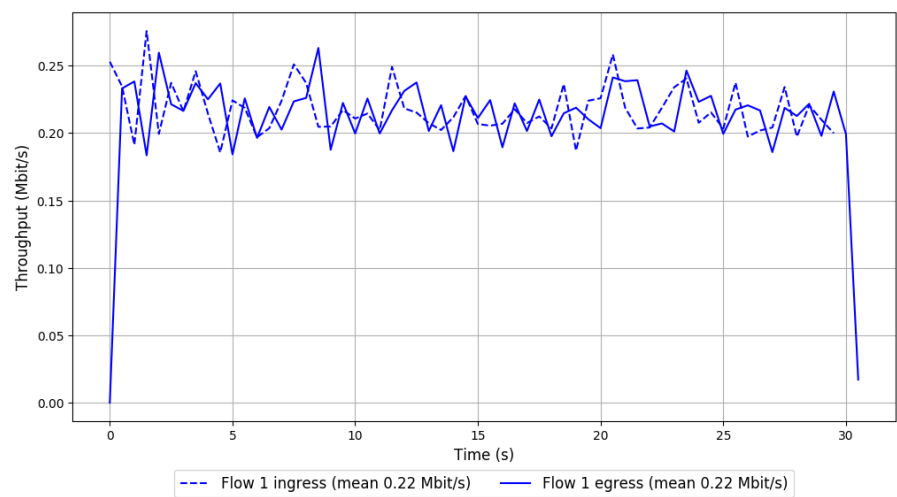


Run 8: Statistics of SCReAM

Start at: 2018-07-20 03:54:03
End at: 2018-07-20 03:54:33
Local clock offset: 0.21 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.471 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

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

End at: 2018-07-20 04:16:37

Local clock offset: -0.493 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.384 ms

Loss rate: 0.00%

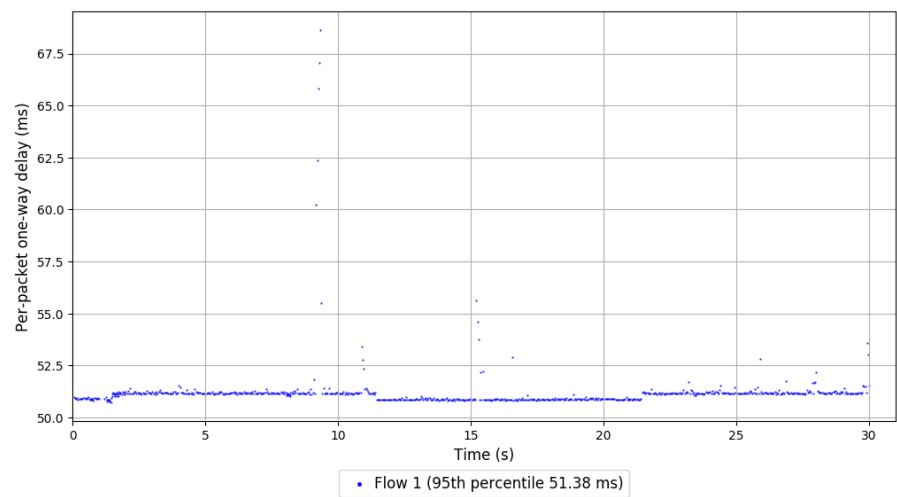
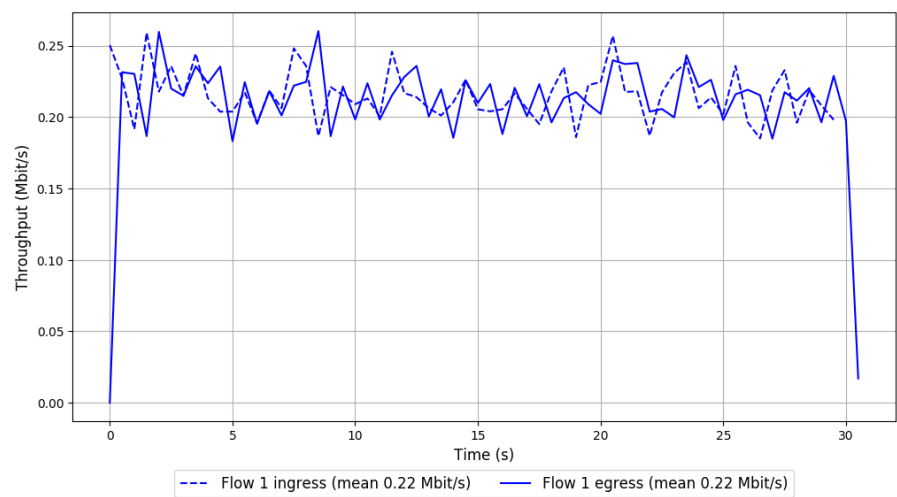
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.384 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-20 04:38:05

End at: 2018-07-20 04:38:35

Local clock offset: 0.135 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

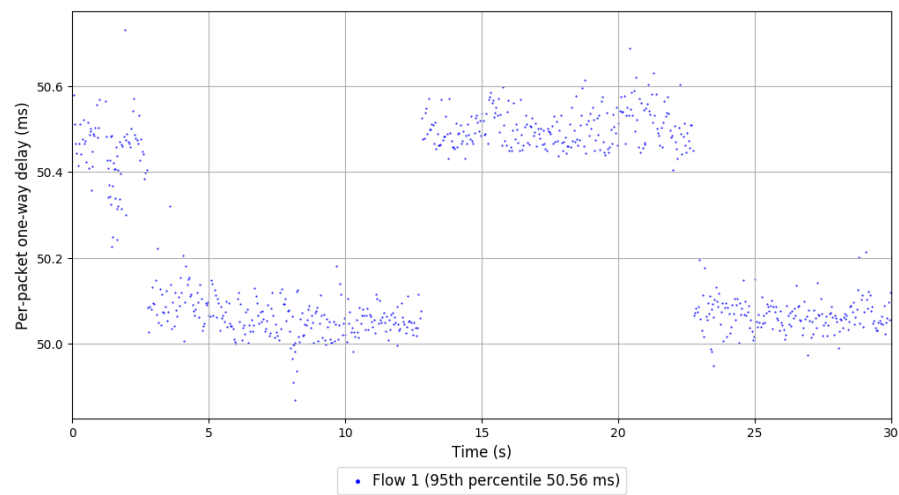
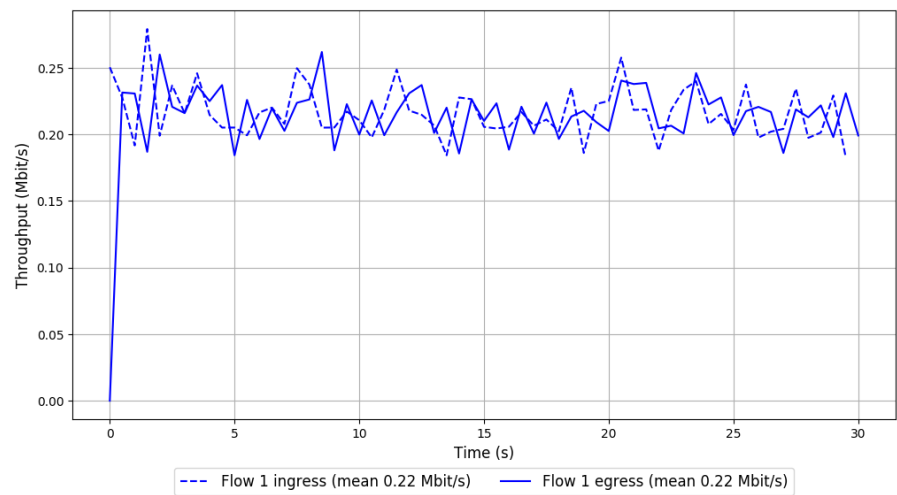
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-20 01:30:46
End at: 2018-07-20 01:31:16
Local clock offset: 0.492 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 51.164 ms

Loss rate: 0.00%

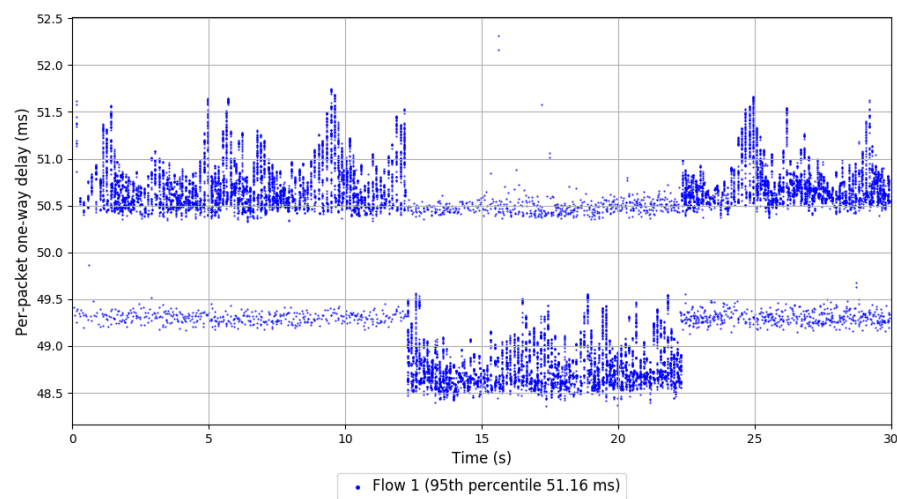
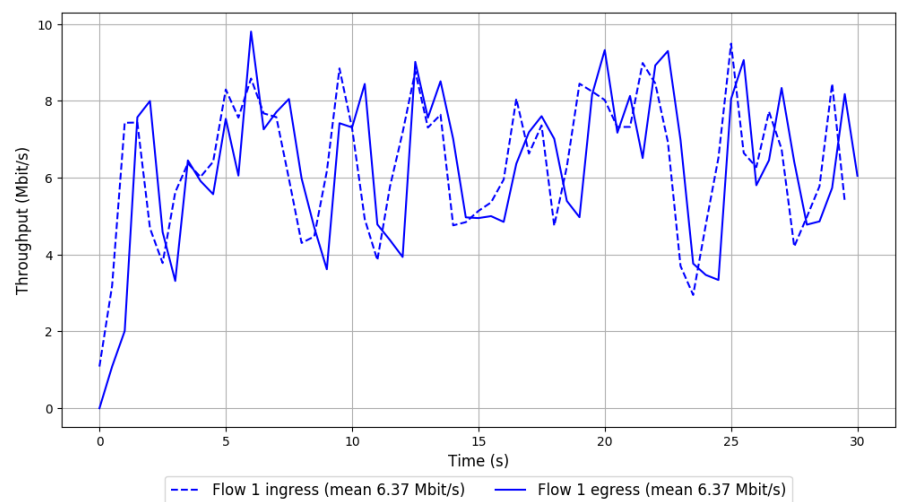
-- Flow 1:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 51.164 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-20 01:52:36

End at: 2018-07-20 01:53:06

Local clock offset: 0.124 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-20 06:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 51.273 ms

Loss rate: 0.00%

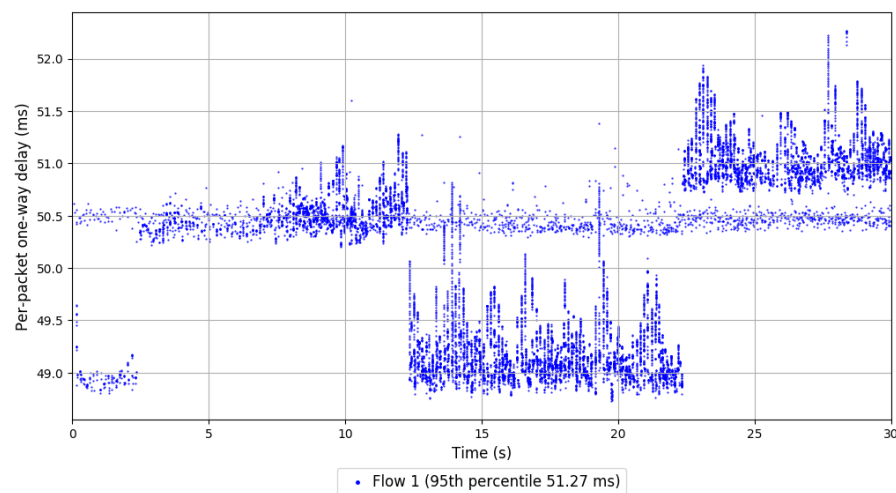
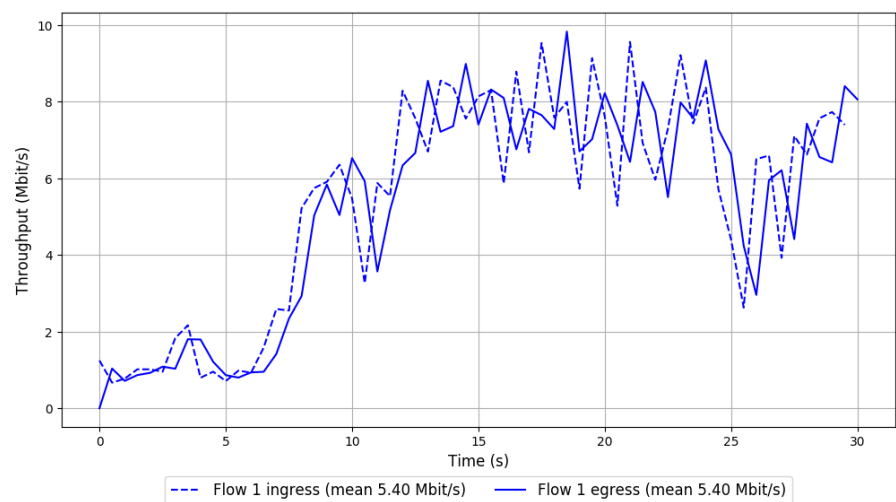
-- Flow 1:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 51.273 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

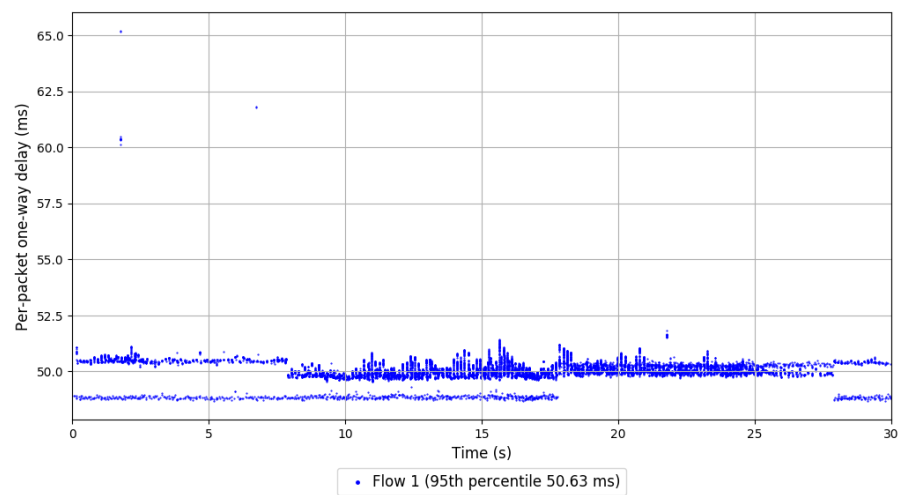
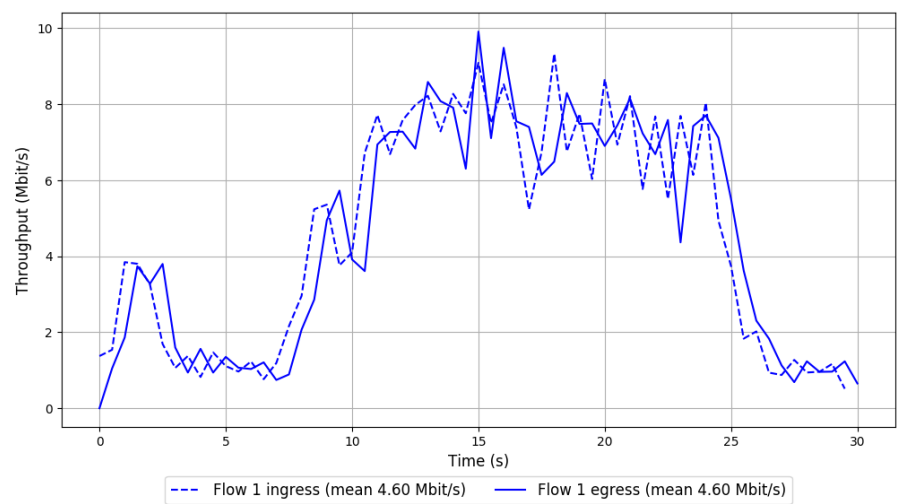


Run 3: Statistics of Sprout

Start at: 2018-07-20 02:14:20
End at: 2018-07-20 02:14:50
Local clock offset: -0.15 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 50.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 50.631 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

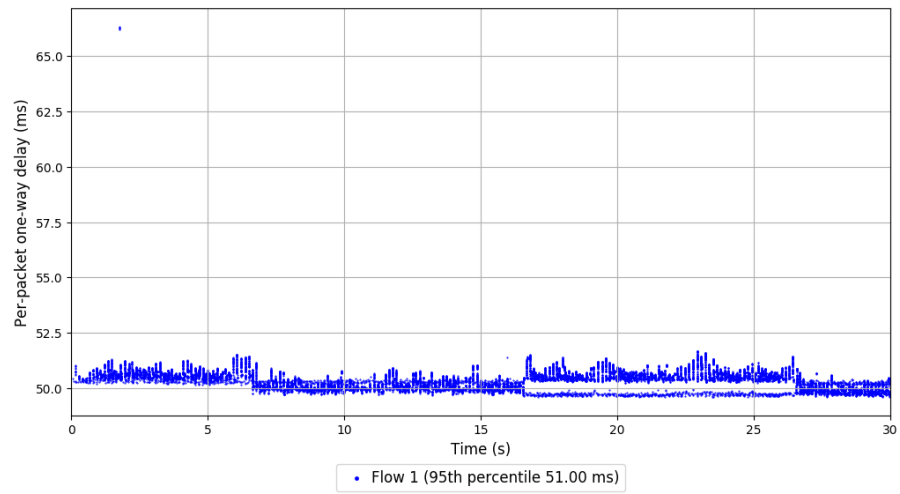
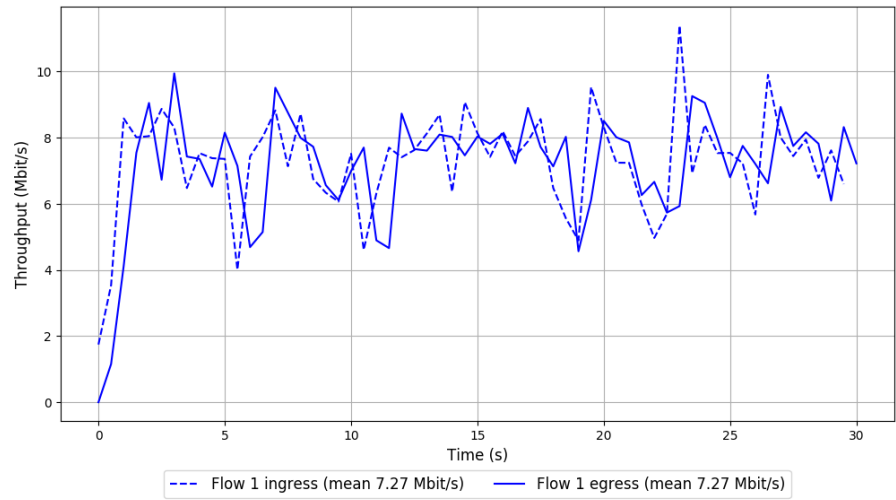


Run 4: Statistics of Sprout

Start at: 2018-07-20 02:36:21
End at: 2018-07-20 02:36:51
Local clock offset: -0.068 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 51.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 51.004 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

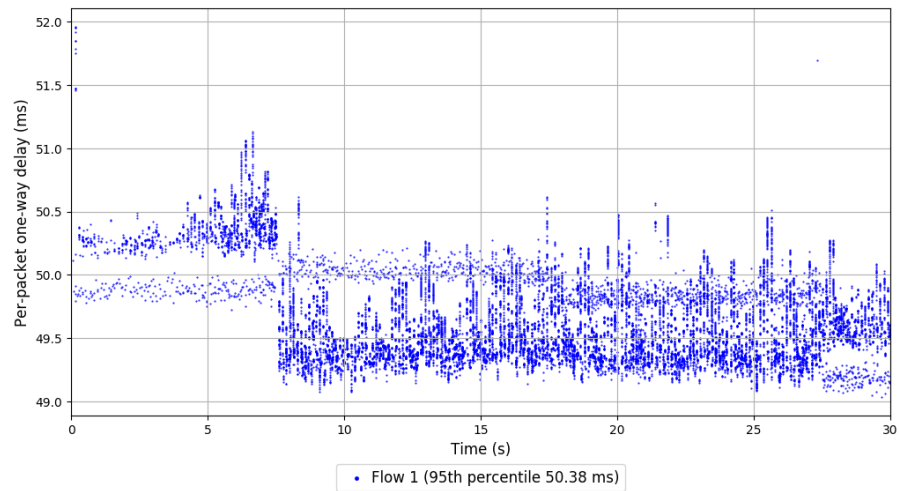
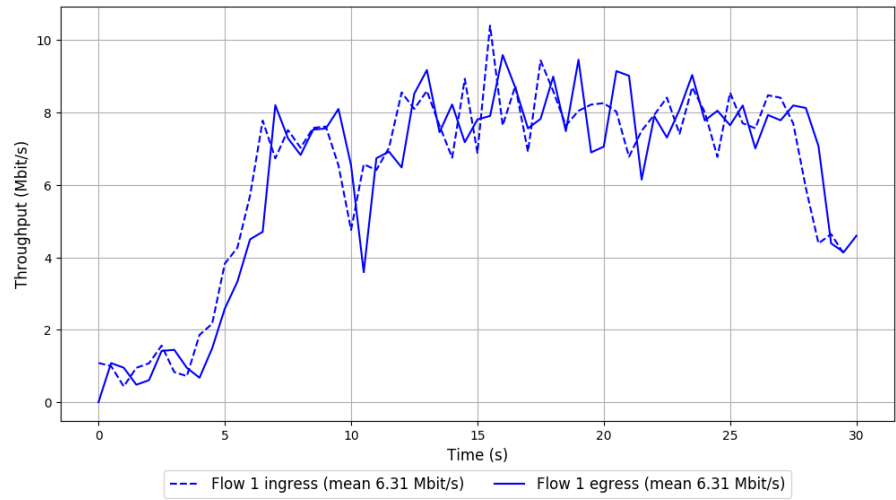


Run 5: Statistics of Sprout

Start at: 2018-07-20 02:58:10
End at: 2018-07-20 02:58:41
Local clock offset: 0.354 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 50.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 50.376 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

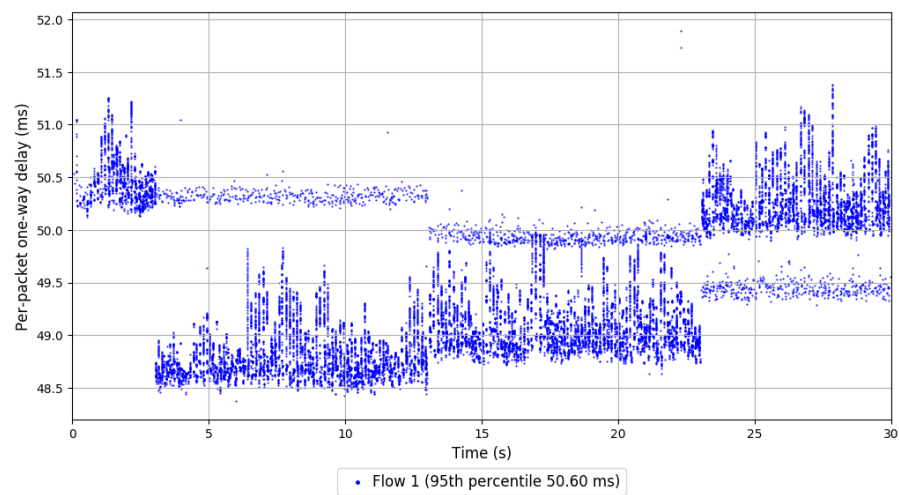
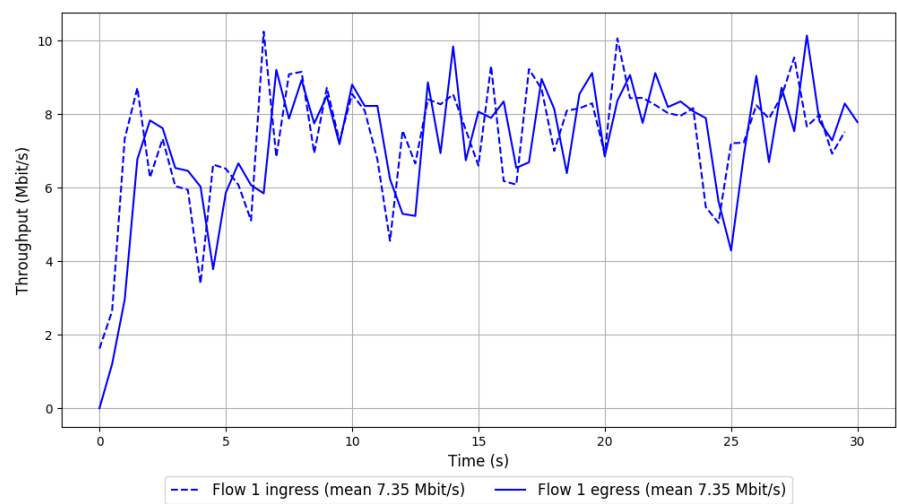


Run 6: Statistics of Sprout

Start at: 2018-07-20 03:20:05
End at: 2018-07-20 03:20:35
Local clock offset: 0.252 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

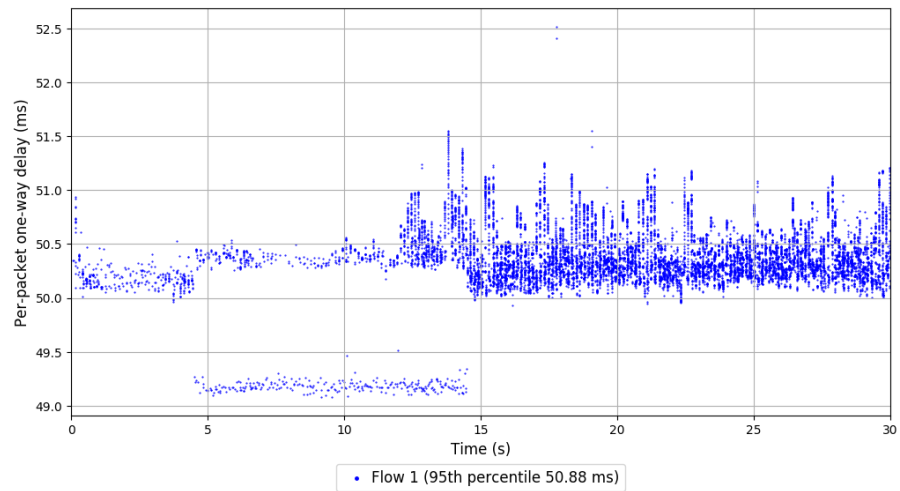
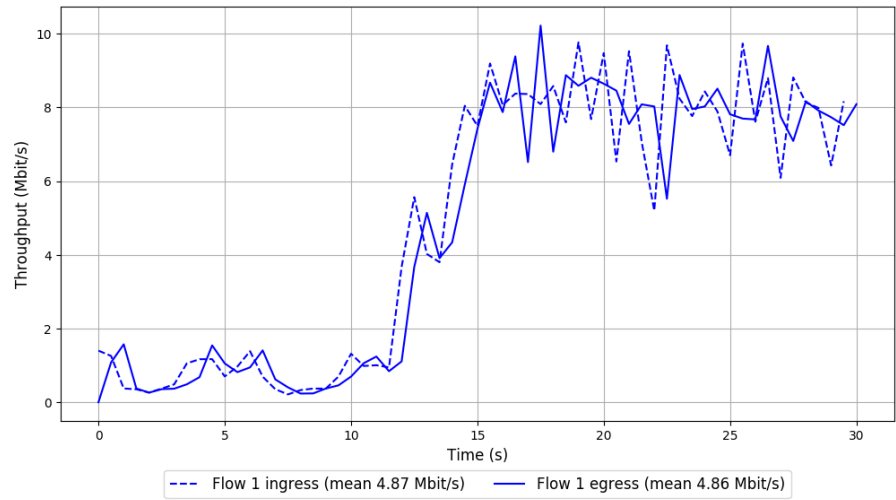


Run 7: Statistics of Sprout

Start at: 2018-07-20 03:42:04
End at: 2018-07-20 03:42:34
Local clock offset: 0.253 ms
Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 0.05%

Run 7: Report of Sprout — Data Link

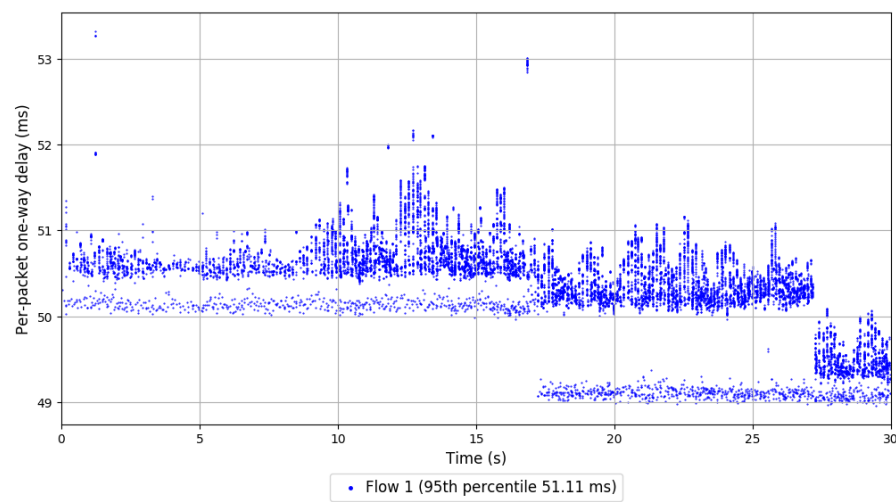
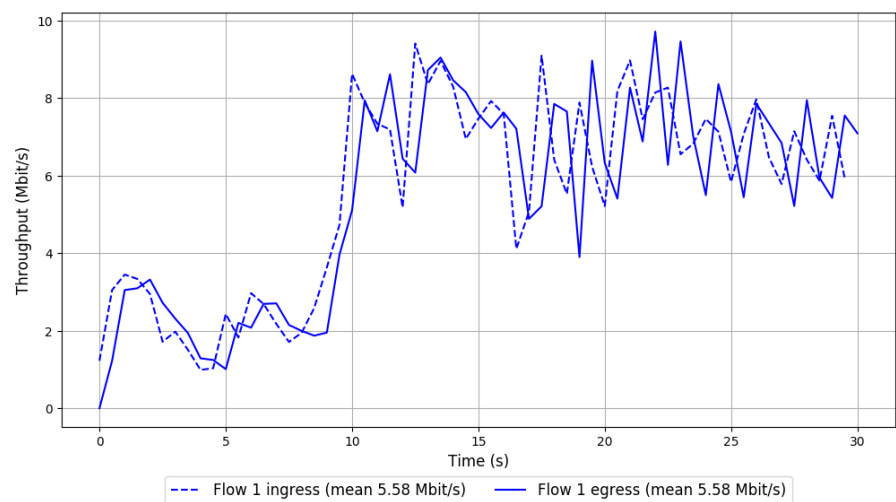


Run 8: Statistics of Sprout

Start at: 2018-07-20 04:04:11
End at: 2018-07-20 04:04:41
Local clock offset: 0.25 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

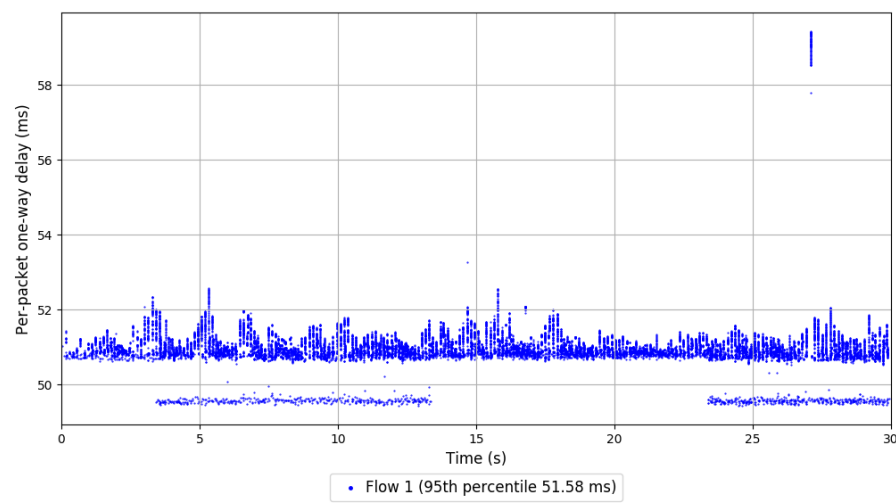
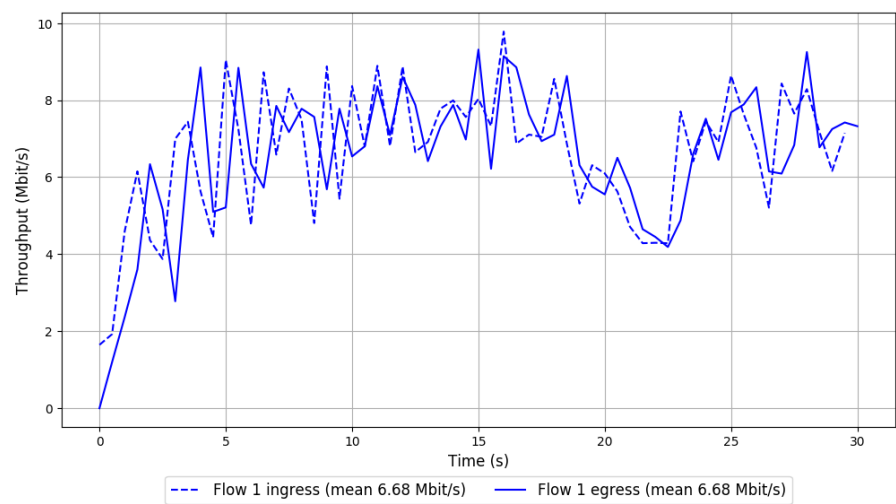


Run 9: Statistics of Sprout

Start at: 2018-07-20 04:26:15
End at: 2018-07-20 04:26:45
Local clock offset: -0.159 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 51.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 51.575 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

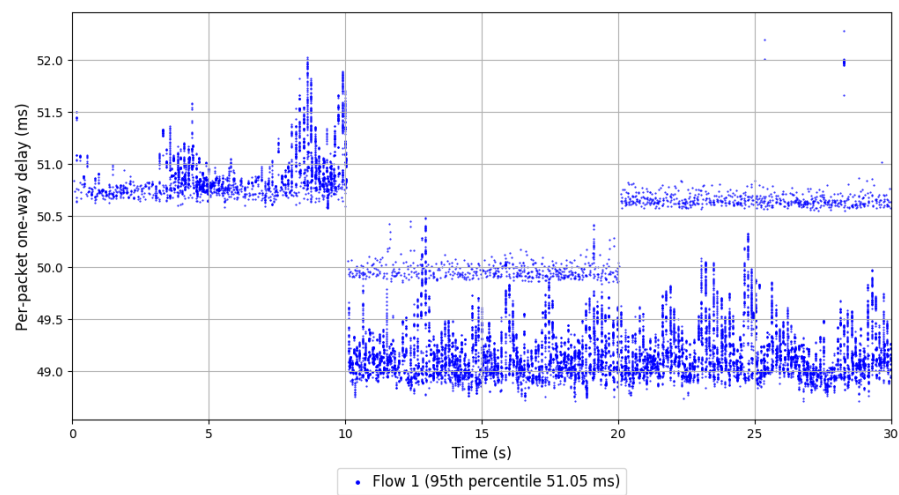
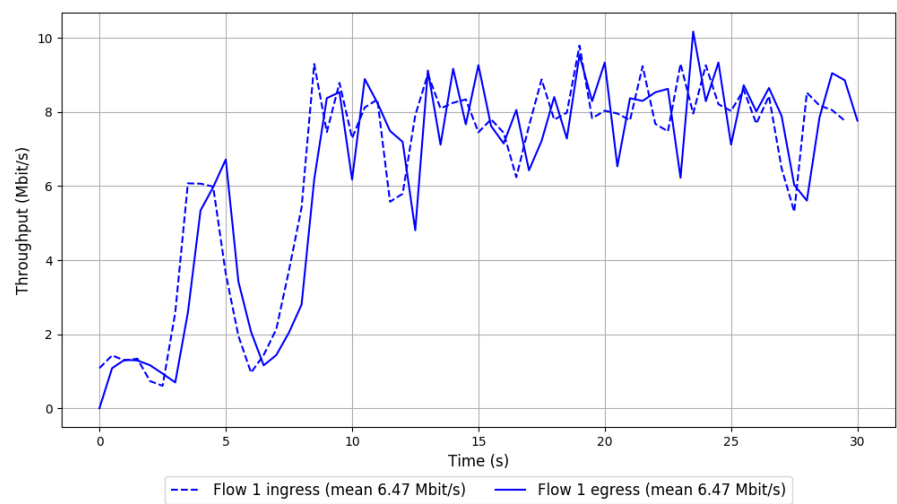


Run 10: Statistics of Sprout

Start at: 2018-07-20 04:48:08
End at: 2018-07-20 04:48:38
Local clock offset: -0.126 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-20 06:32:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 51.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 51.047 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-20 01:32:57

End at: 2018-07-20 01:33:27

Local clock offset: 0.113 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-20 06:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.12 Mbit/s

95th percentile per-packet one-way delay: 51.472 ms

Loss rate: 0.00%

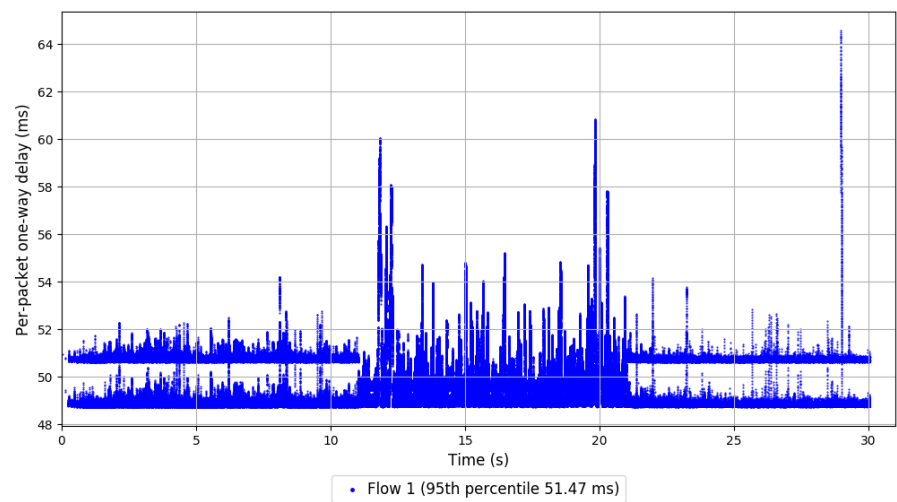
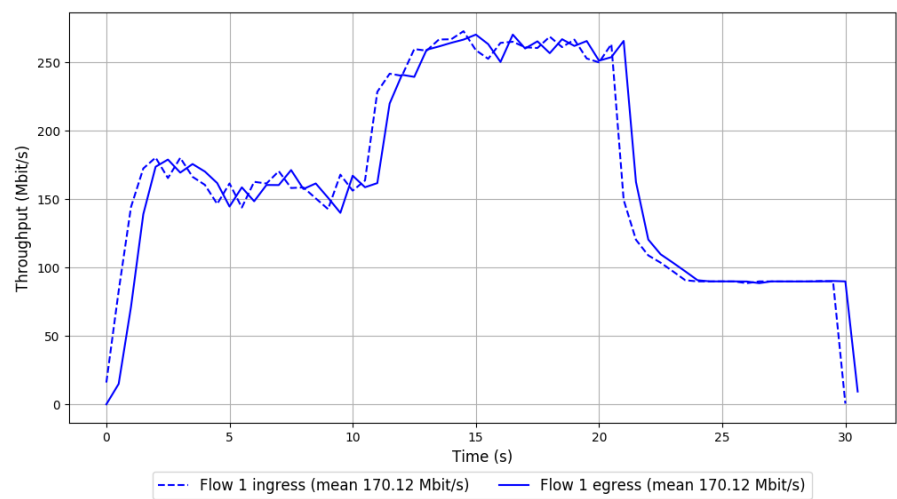
-- Flow 1:

Average throughput: 170.12 Mbit/s

95th percentile per-packet one-way delay: 51.472 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-20 01:54:47

End at: 2018-07-20 01:55:17

Local clock offset: 0.037 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-20 06:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.52 Mbit/s

95th percentile per-packet one-way delay: 51.732 ms

Loss rate: 0.00%

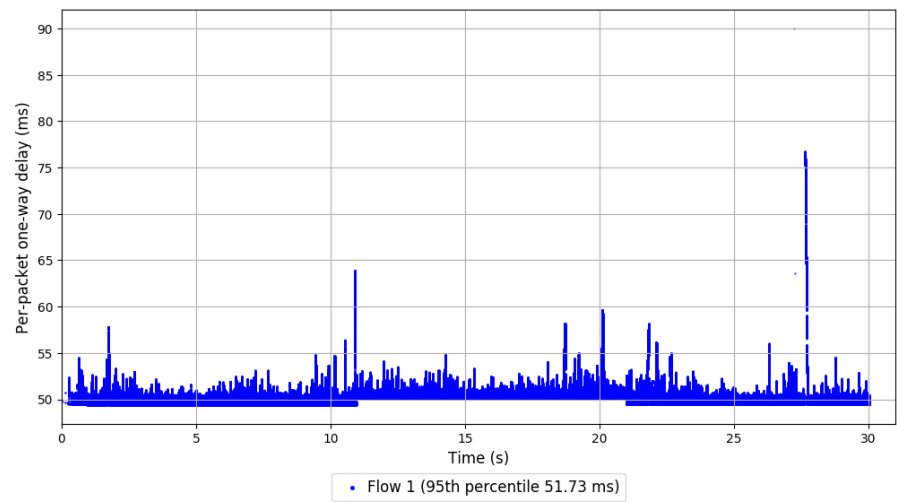
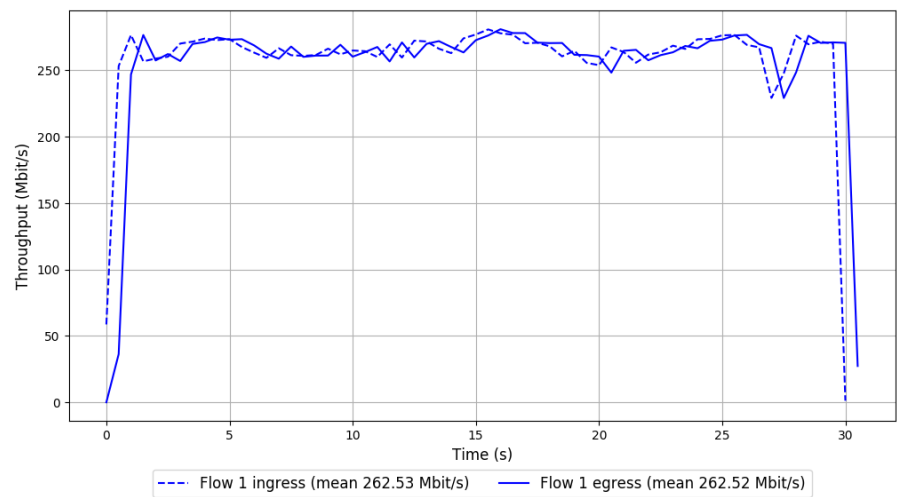
-- Flow 1:

Average throughput: 262.52 Mbit/s

95th percentile per-packet one-way delay: 51.732 ms

Loss rate: 0.00%

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

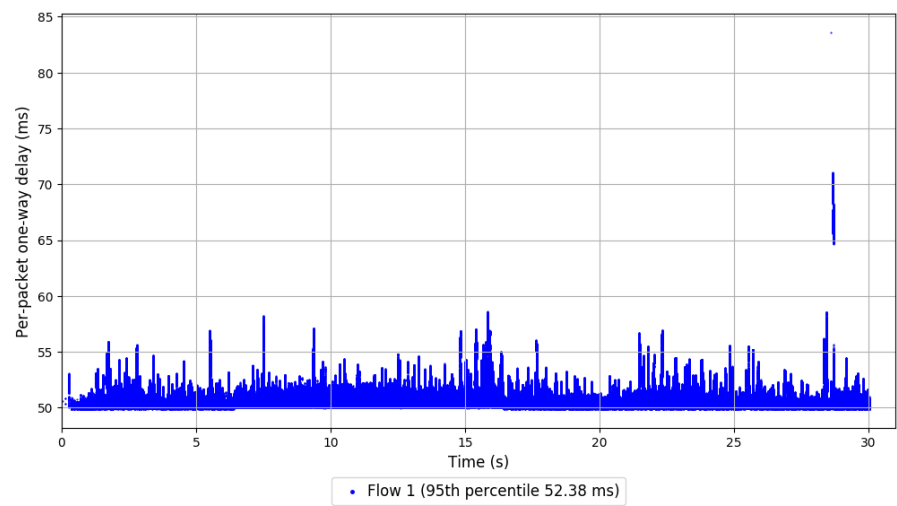
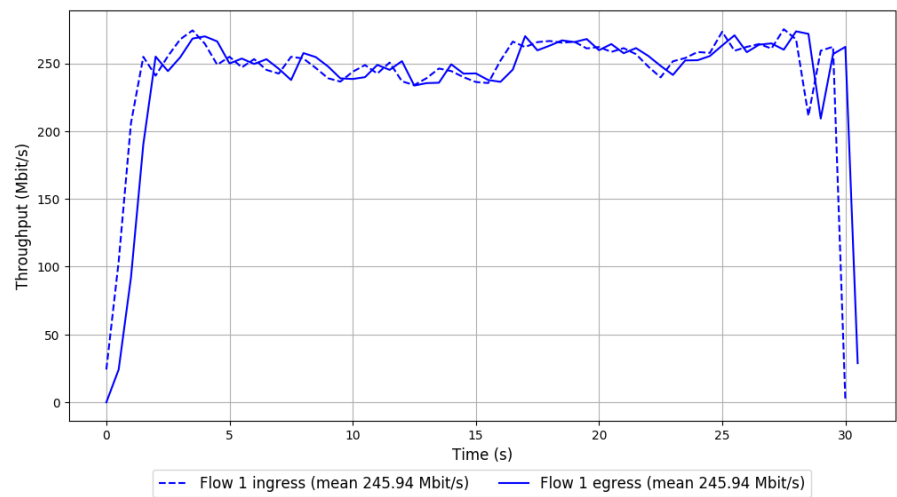


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-20 02:16:32
End at: 2018-07-20 02:17:02
Local clock offset: -0.584 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-20 06:35:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.94 Mbit/s
95th percentile per-packet one-way delay: 52.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 245.94 Mbit/s
95th percentile per-packet one-way delay: 52.382 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-20 02:38:33

End at: 2018-07-20 02:39:03

Local clock offset: -0.118 ms

Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-20 06:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.27 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

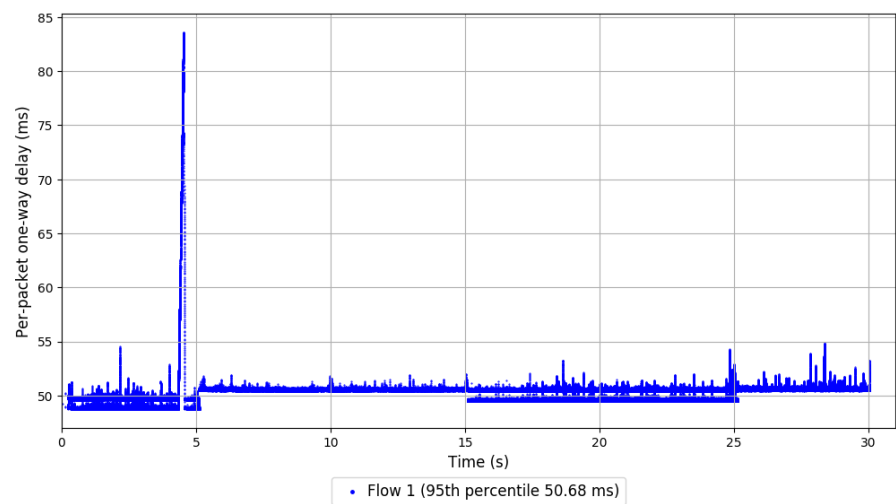
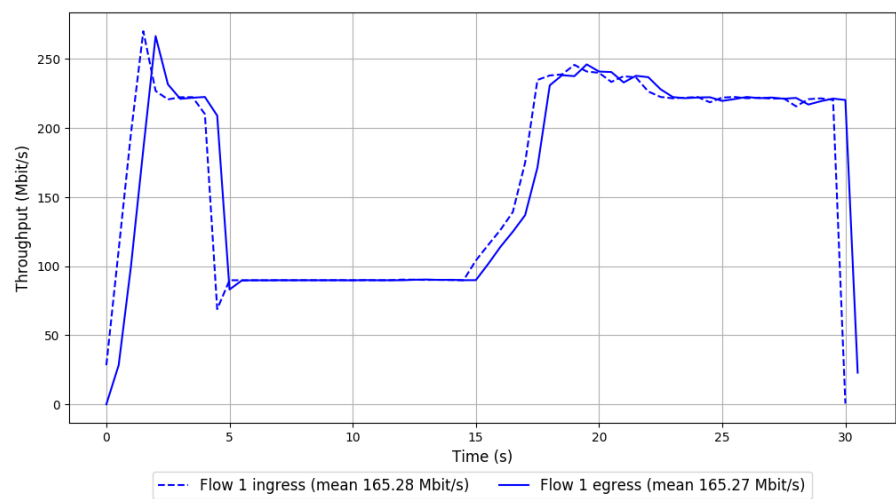
-- Flow 1:

Average throughput: 165.27 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-20 03:00:22

End at: 2018-07-20 03:00:52

Local clock offset: -0.078 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 06:39:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.17 Mbit/s

95th percentile per-packet one-way delay: 52.399 ms

Loss rate: 0.00%

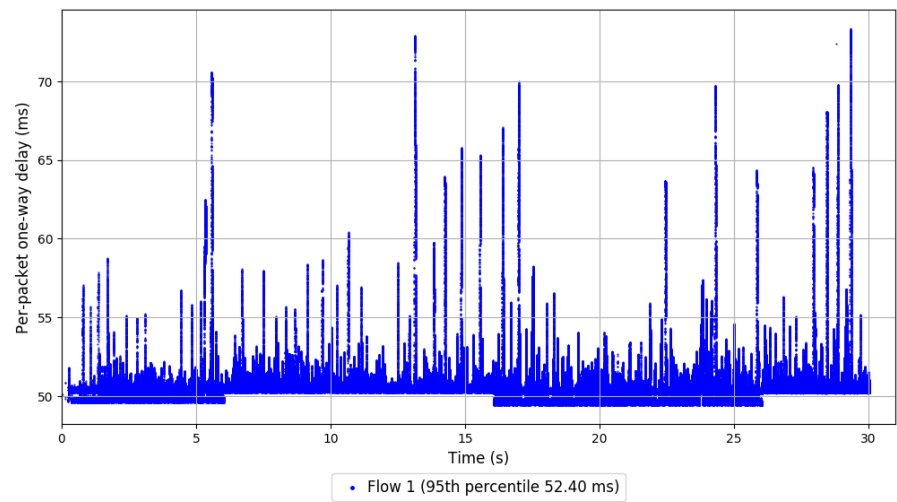
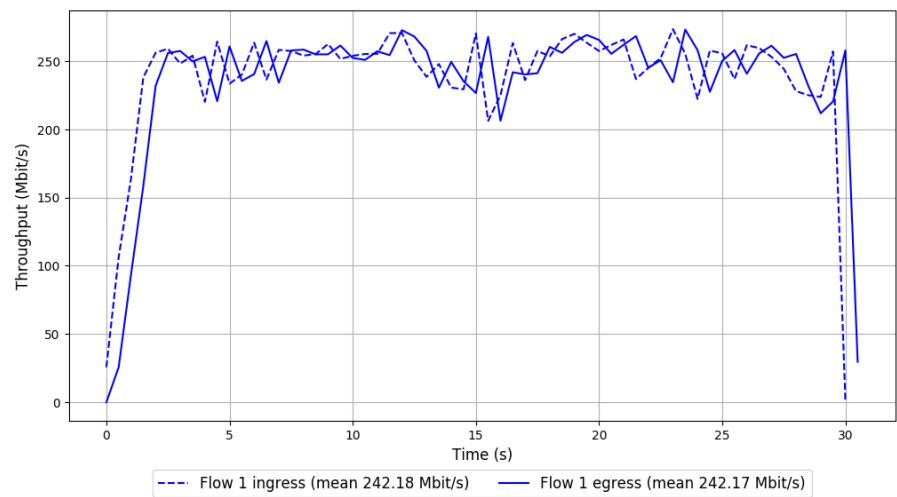
-- Flow 1:

Average throughput: 242.17 Mbit/s

95th percentile per-packet one-way delay: 52.399 ms

Loss rate: 0.00%

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

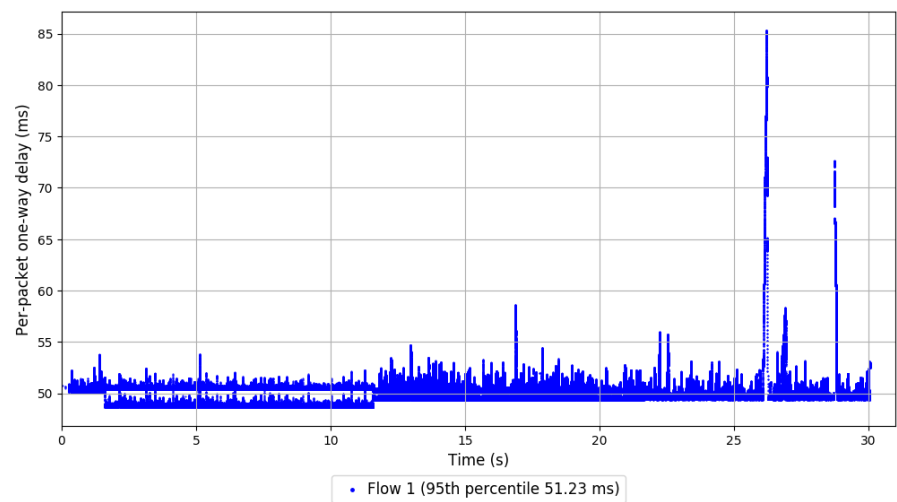
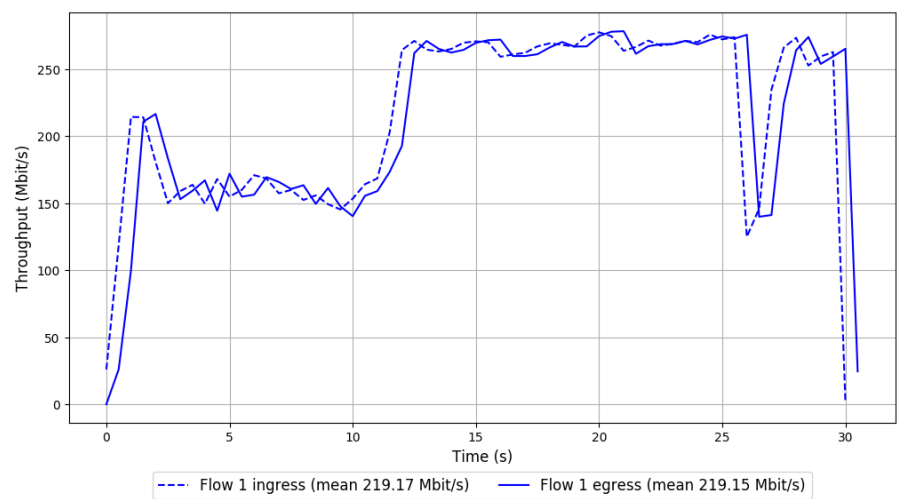


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-20 03:22:16
End at: 2018-07-20 03:22:46
Local clock offset: -0.051 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-20 06:39:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.15 Mbit/s
95th percentile per-packet one-way delay: 51.229 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 219.15 Mbit/s
95th percentile per-packet one-way delay: 51.229 ms
Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-20 03:44:15

End at: 2018-07-20 03:44:45

Local clock offset: -0.109 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-20 06:40:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.25 Mbit/s

95th percentile per-packet one-way delay: 51.877 ms

Loss rate: 0.00%

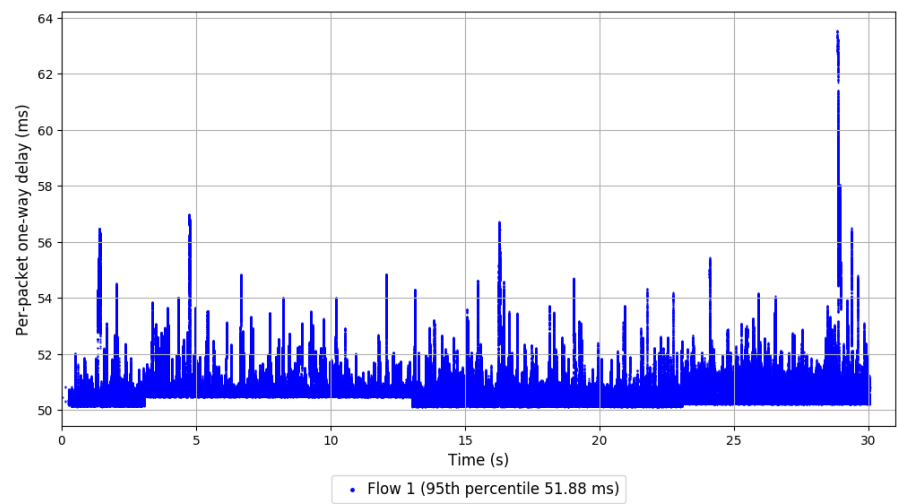
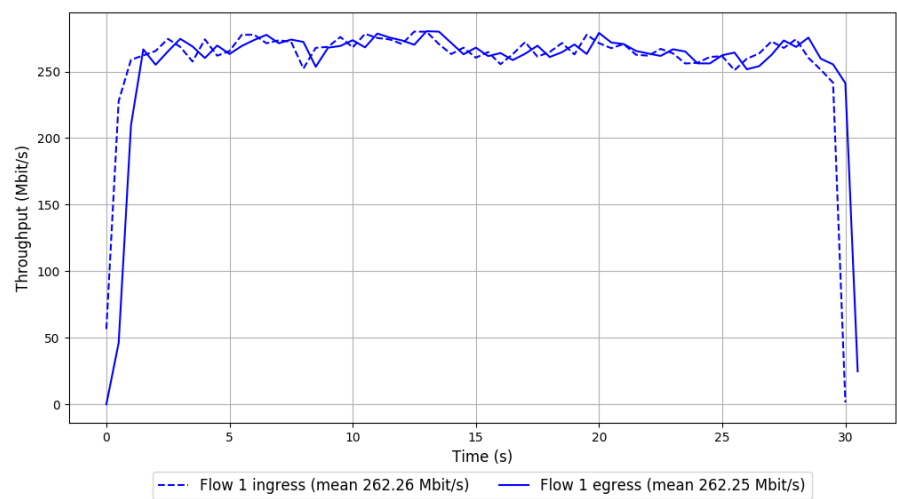
-- Flow 1:

Average throughput: 262.25 Mbit/s

95th percentile per-packet one-way delay: 51.877 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-20 04:06:22

End at: 2018-07-20 04:06:52

Local clock offset: -0.129 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 06:40:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.50 Mbit/s

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

Loss rate: 0.00%

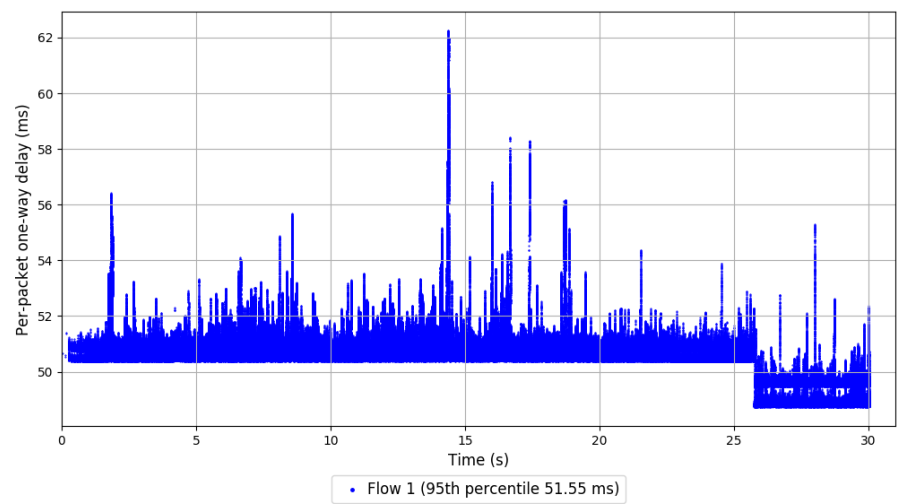
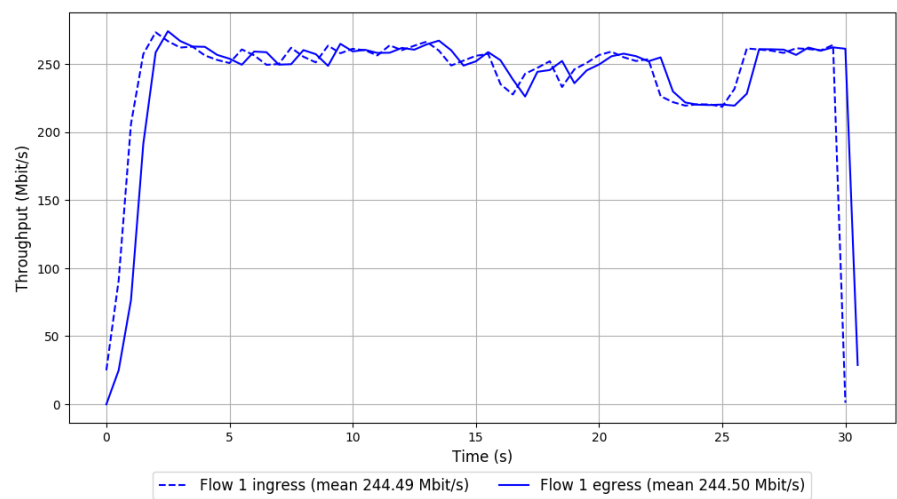
-- Flow 1:

Average throughput: 244.50 Mbit/s

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

Loss rate: 0.00%

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

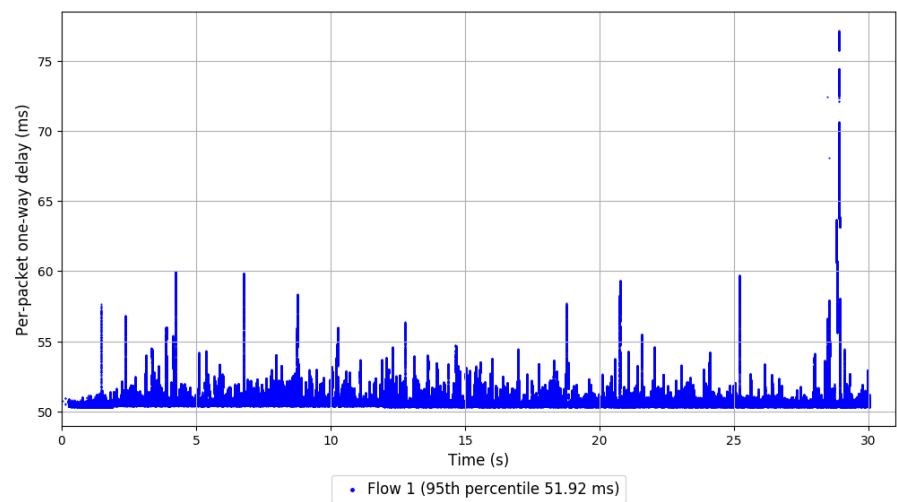
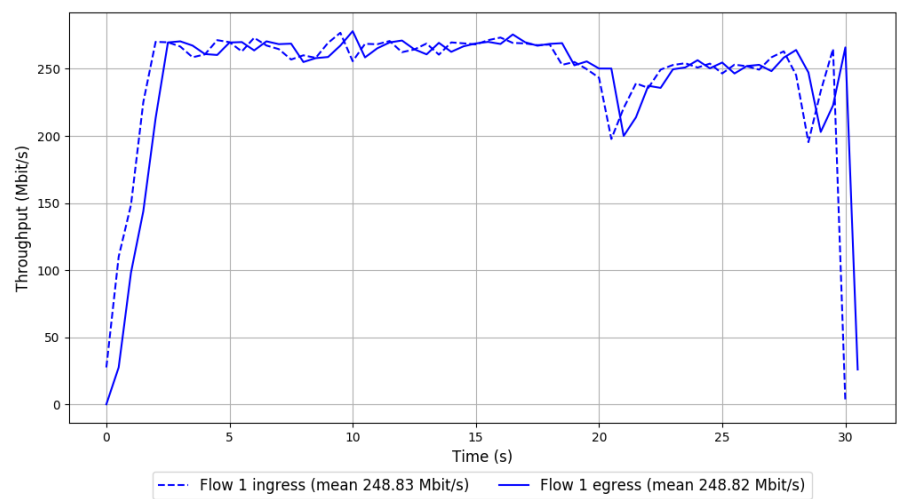


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-20 04:28:26
End at: 2018-07-20 04:28:56
Local clock offset: -0.152 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-20 06:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.82 Mbit/s
95th percentile per-packet one-way delay: 51.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.82 Mbit/s
95th percentile per-packet one-way delay: 51.925 ms
Loss rate: 0.00%

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

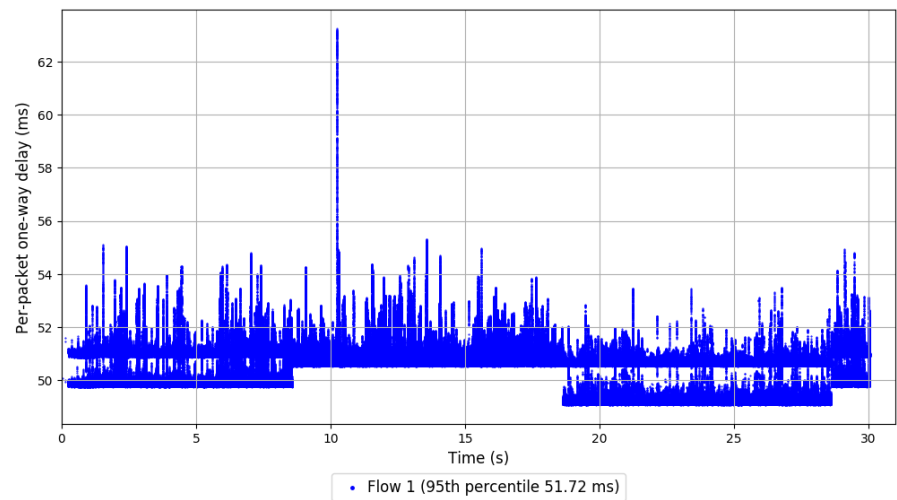
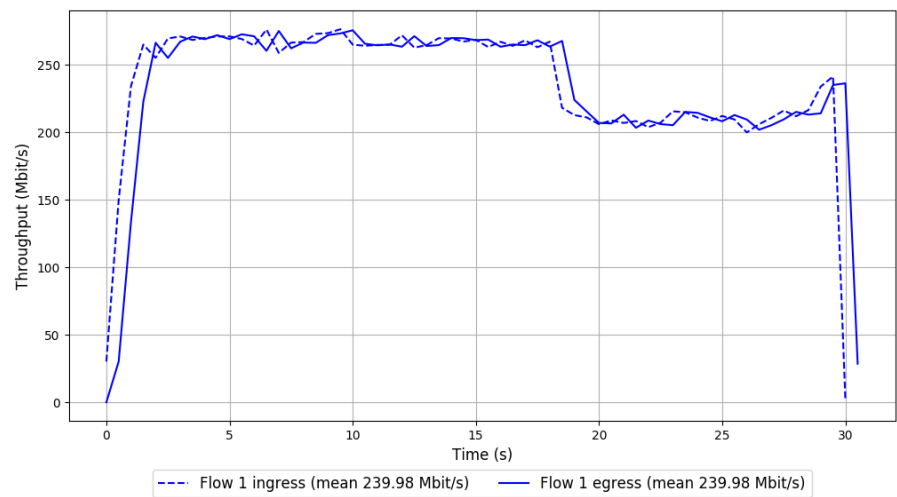


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-20 04:50:19
End at: 2018-07-20 04:50:49
Local clock offset: -0.536 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-20 06:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.98 Mbit/s
95th percentile per-packet one-way delay: 51.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.98 Mbit/s
95th percentile per-packet one-way delay: 51.723 ms
Loss rate: 0.00%

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

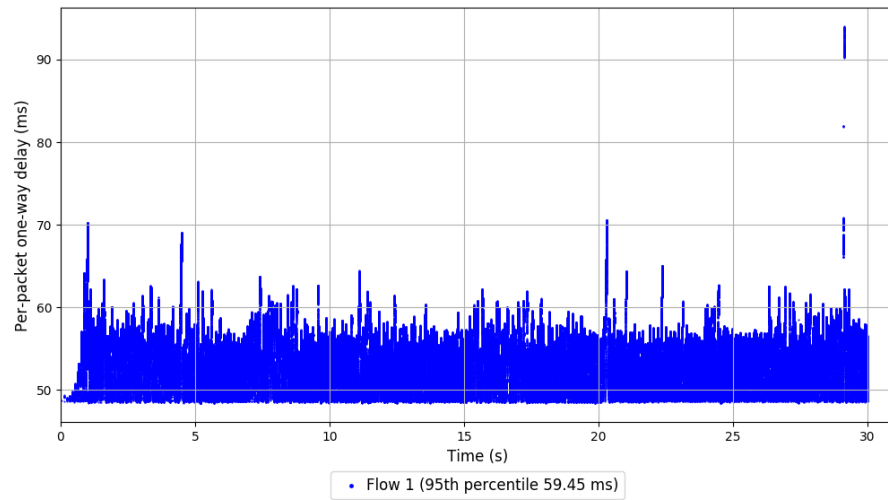
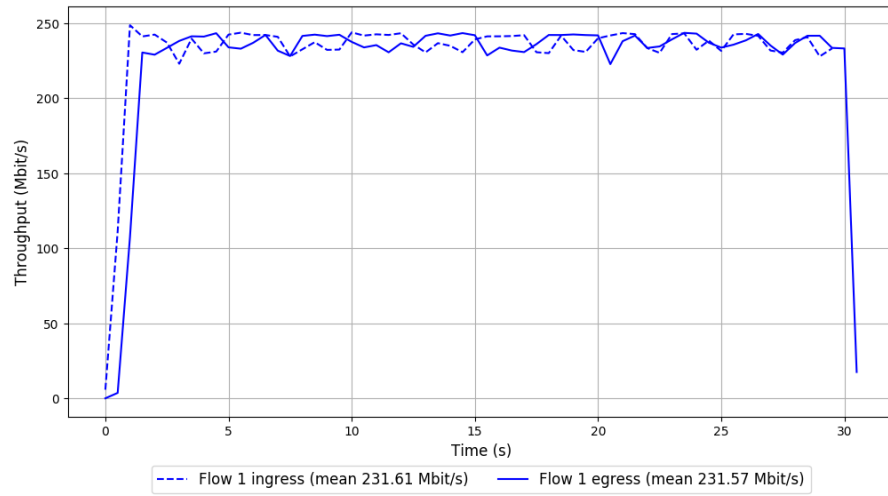


Run 1: Statistics of TCP Vegas

Start at: 2018-07-20 01:35:41
End at: 2018-07-20 01:36:11
Local clock offset: 0.508 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-20 06:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.57 Mbit/s
95th percentile per-packet one-way delay: 59.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.57 Mbit/s
95th percentile per-packet one-way delay: 59.455 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

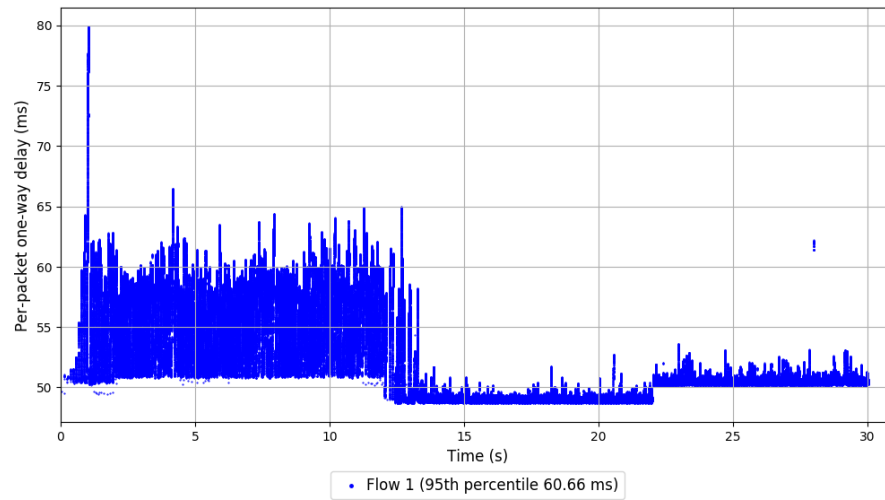
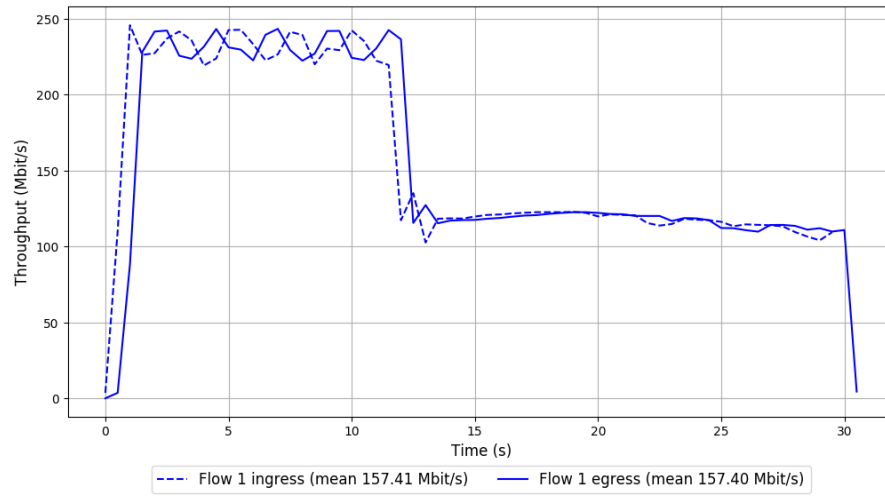


Run 2: Statistics of TCP Vegas

Start at: 2018-07-20 01:57:36
End at: 2018-07-20 01:58:06
Local clock offset: -0.079 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-20 06:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.40 Mbit/s
95th percentile per-packet one-way delay: 60.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.40 Mbit/s
95th percentile per-packet one-way delay: 60.660 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

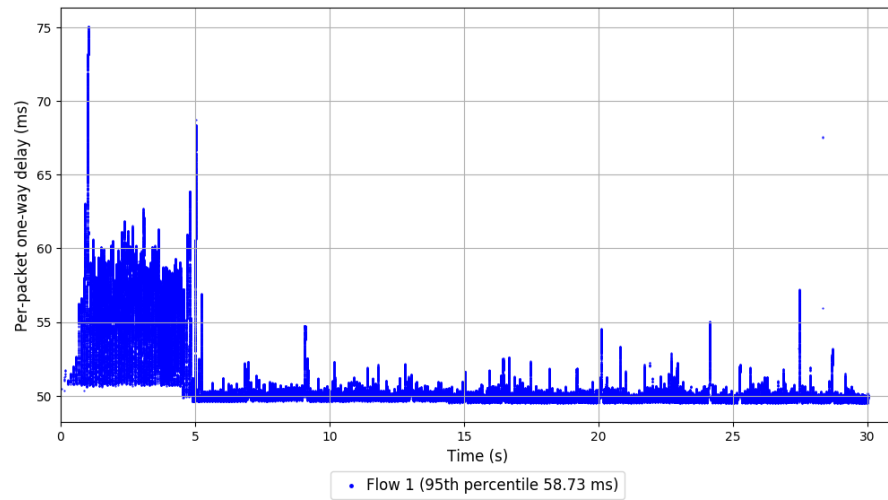
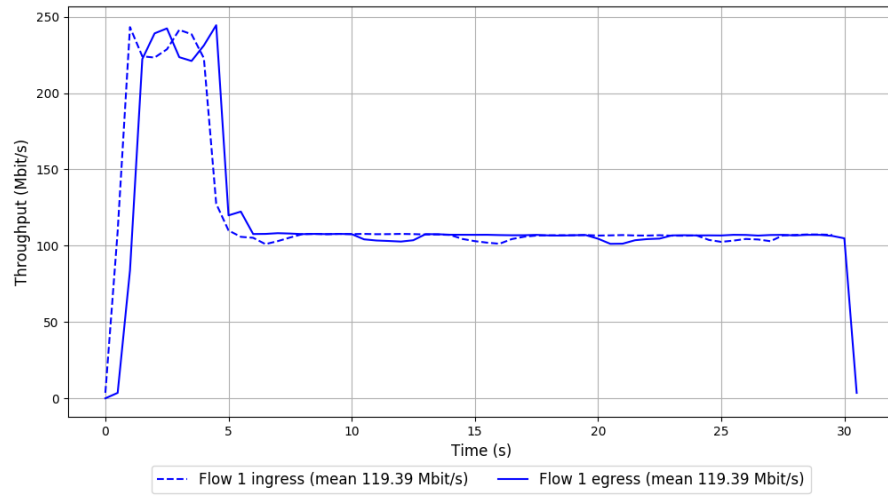


Run 3: Statistics of TCP Vegas

Start at: 2018-07-20 02:19:24
End at: 2018-07-20 02:19:54
Local clock offset: -0.193 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-20 06:40:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 58.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 58.729 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-20 02:41:19

End at: 2018-07-20 02:41:49

Local clock offset: -0.09 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 06:40:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.99 Mbit/s

95th percentile per-packet one-way delay: 51.759 ms

Loss rate: 0.00%

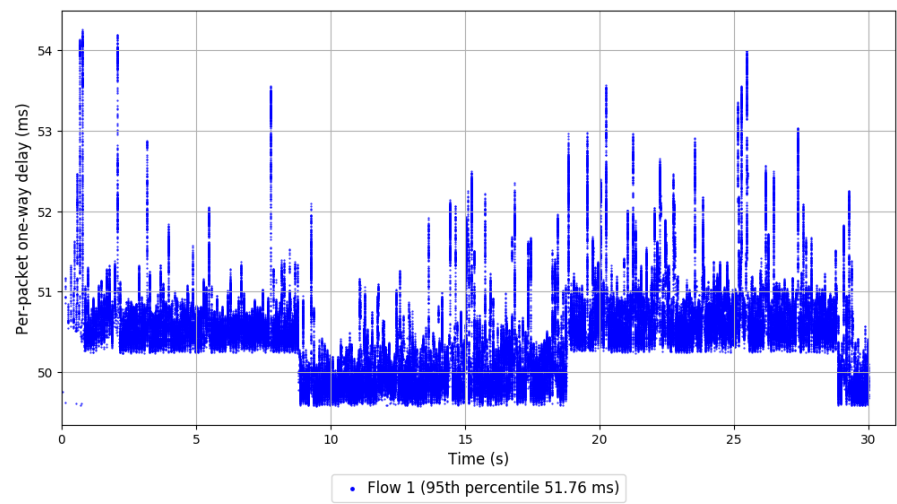
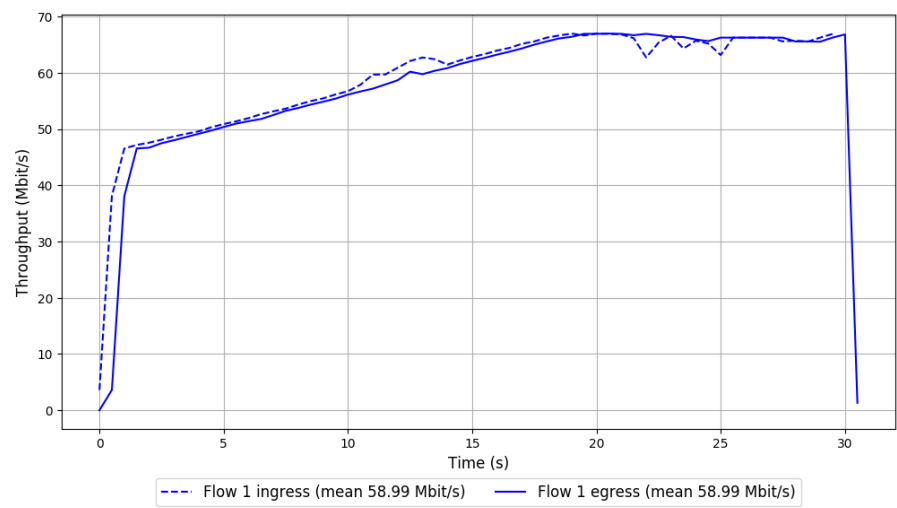
-- Flow 1:

Average throughput: 58.99 Mbit/s

95th percentile per-packet one-way delay: 51.759 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

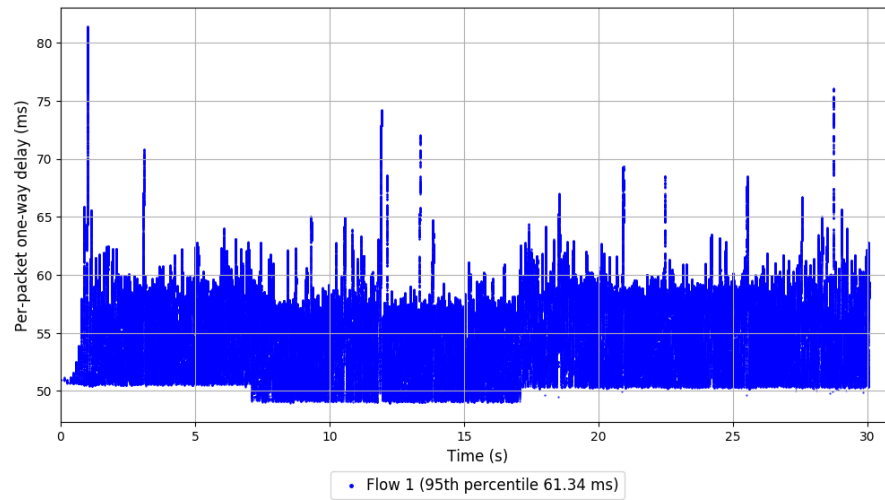
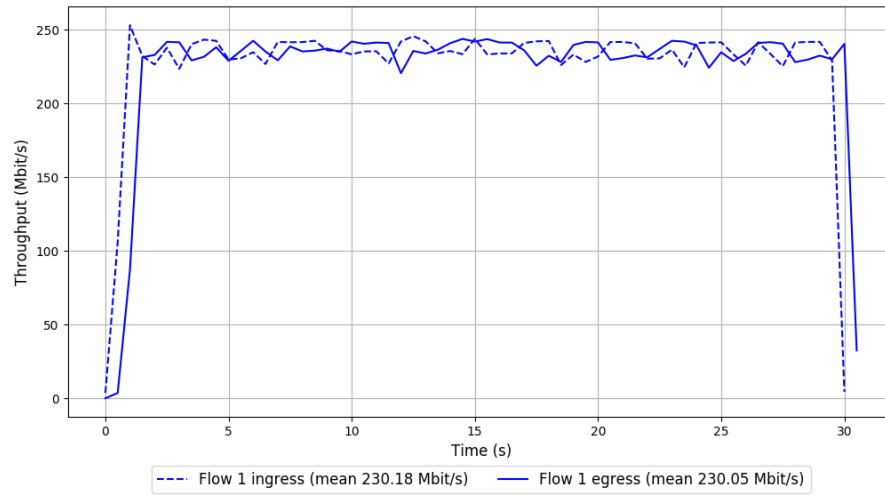


Run 5: Statistics of TCP Vegas

Start at: 2018-07-20 03:03:11
End at: 2018-07-20 03:03:41
Local clock offset: -0.053 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-20 06:42:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.05 Mbit/s
95th percentile per-packet one-way delay: 61.336 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 230.05 Mbit/s
95th percentile per-packet one-way delay: 61.336 ms
Loss rate: 0.06%

Run 5: Report of TCP Vegas — Data Link

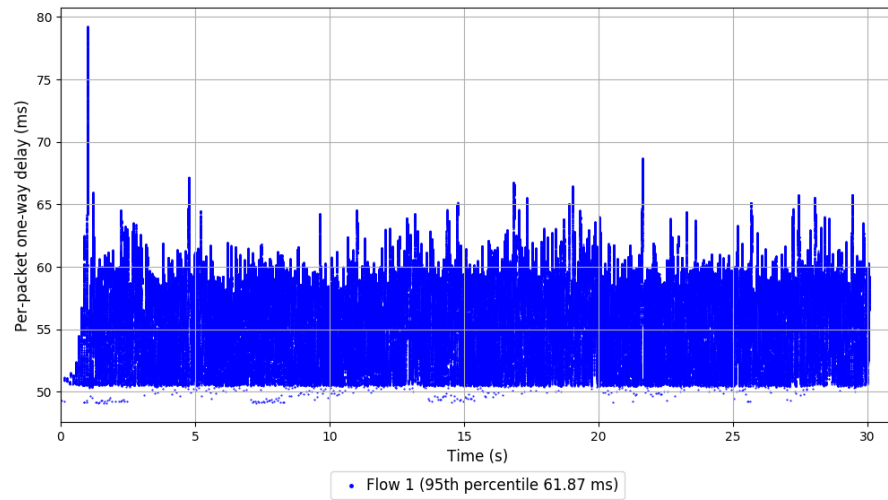
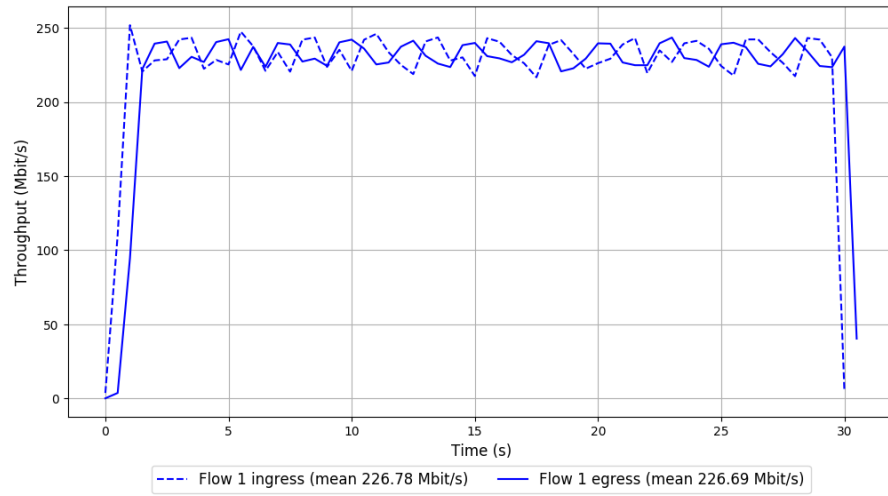


Run 6: Statistics of TCP Vegas

Start at: 2018-07-20 03:25:06
End at: 2018-07-20 03:25:36
Local clock offset: 0.265 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 06:43:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.69 Mbit/s
95th percentile per-packet one-way delay: 61.872 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 226.69 Mbit/s
95th percentile per-packet one-way delay: 61.872 ms
Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-20 03:47:11

End at: 2018-07-20 03:47:41

Local clock offset: 0.295 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-20 06:43:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.14 Mbit/s

95th percentile per-packet one-way delay: 60.314 ms

Loss rate: 0.00%

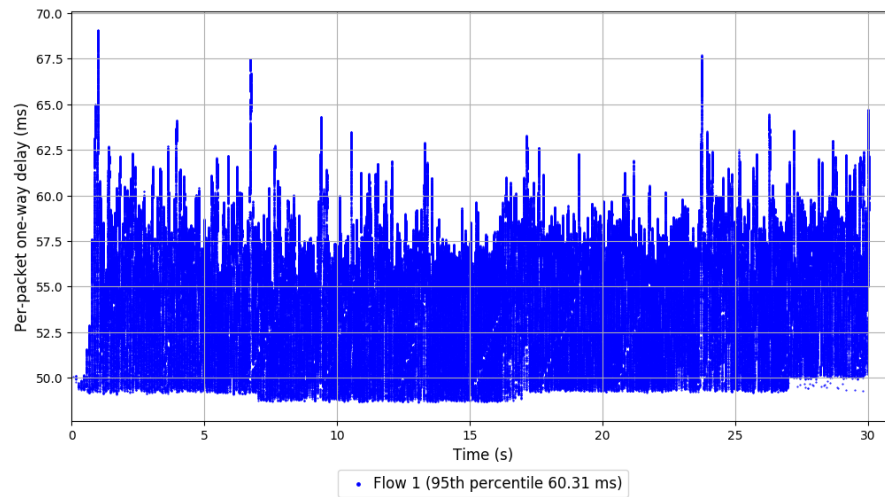
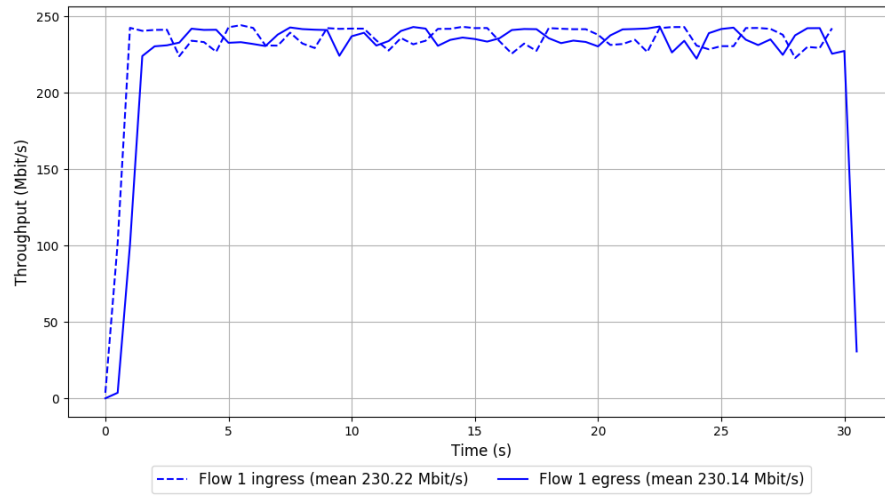
-- Flow 1:

Average throughput: 230.14 Mbit/s

95th percentile per-packet one-way delay: 60.314 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-20 04:09:17

End at: 2018-07-20 04:09:47

Local clock offset: -0.152 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-20 06:43:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.83 Mbit/s

95th percentile per-packet one-way delay: 52.261 ms

Loss rate: 0.00%

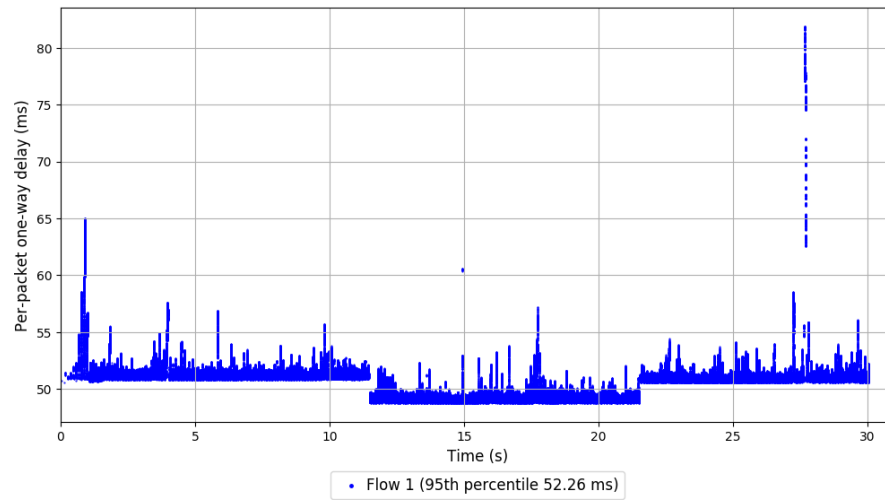
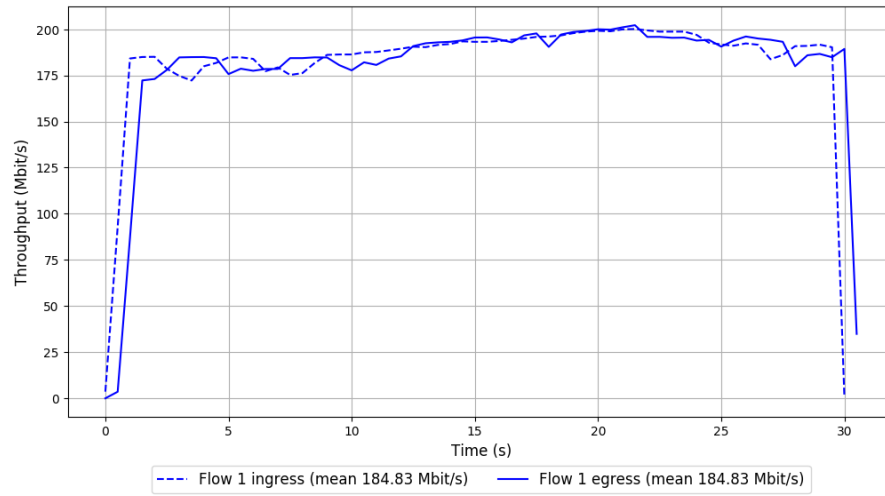
-- Flow 1:

Average throughput: 184.83 Mbit/s

95th percentile per-packet one-way delay: 52.261 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

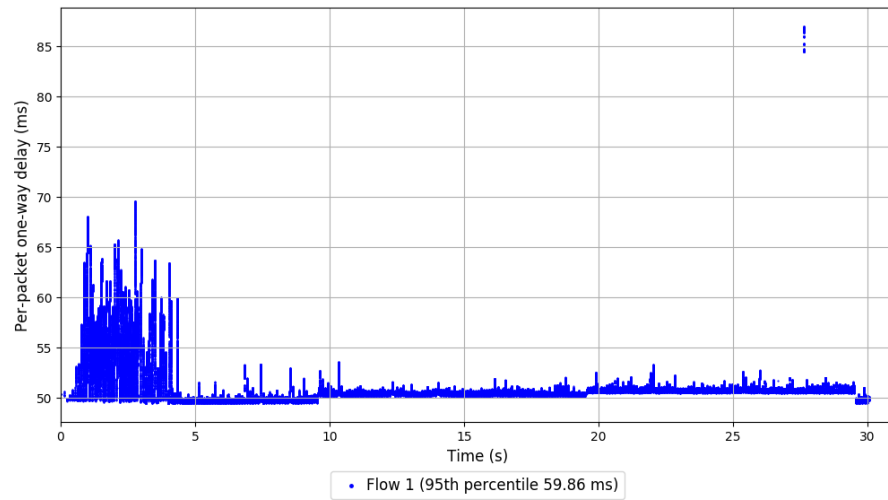
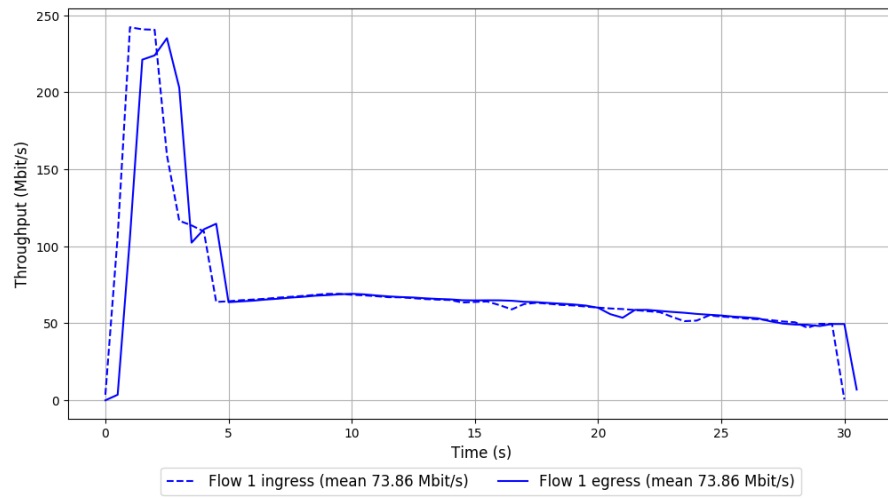


Run 9: Statistics of TCP Vegas

Start at: 2018-07-20 04:31:19
End at: 2018-07-20 04:31:49
Local clock offset: -0.095 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-20 06:43:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.86 Mbit/s
95th percentile per-packet one-way delay: 59.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.86 Mbit/s
95th percentile per-packet one-way delay: 59.857 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-20 04:53:11

End at: 2018-07-20 04:53:41

Local clock offset: 0.21 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-20 06:43:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.50 Mbit/s

95th percentile per-packet one-way delay: 51.471 ms

Loss rate: 0.00%

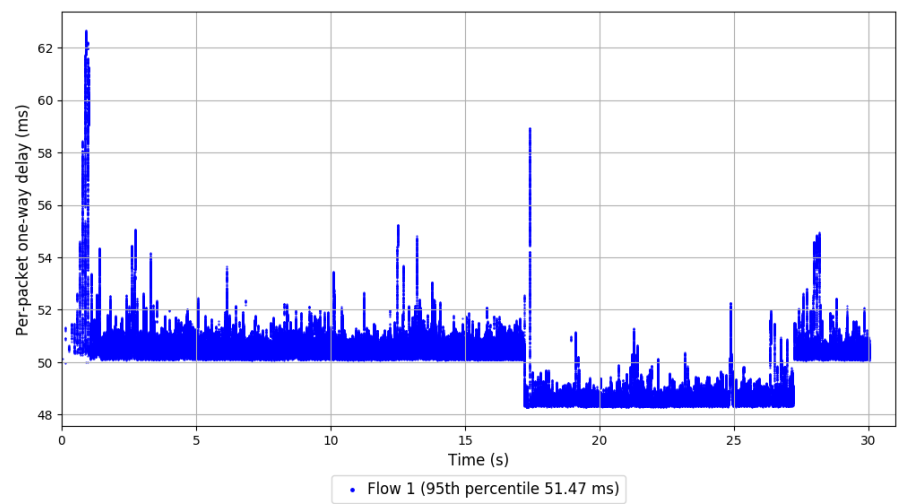
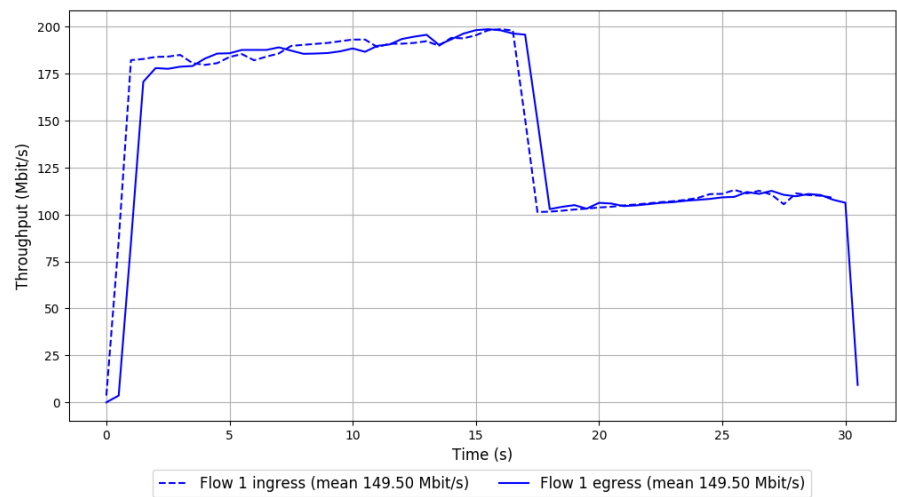
-- Flow 1:

Average throughput: 149.50 Mbit/s

95th percentile per-packet one-way delay: 51.471 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

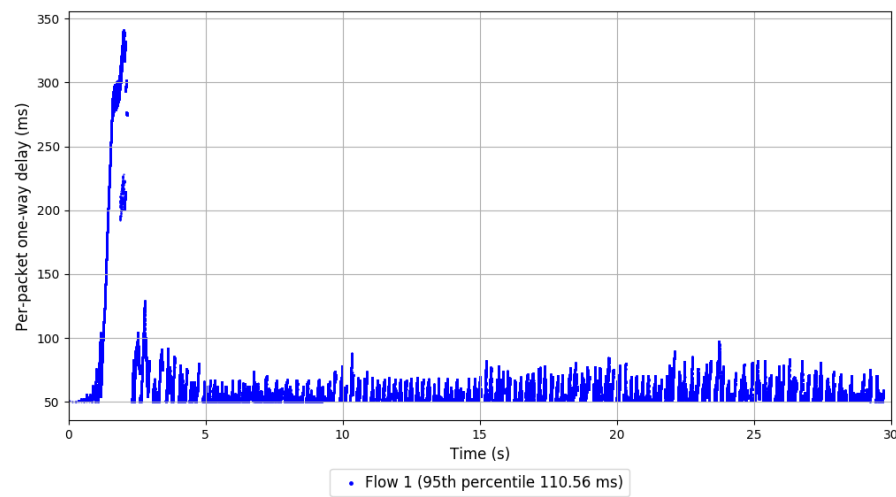
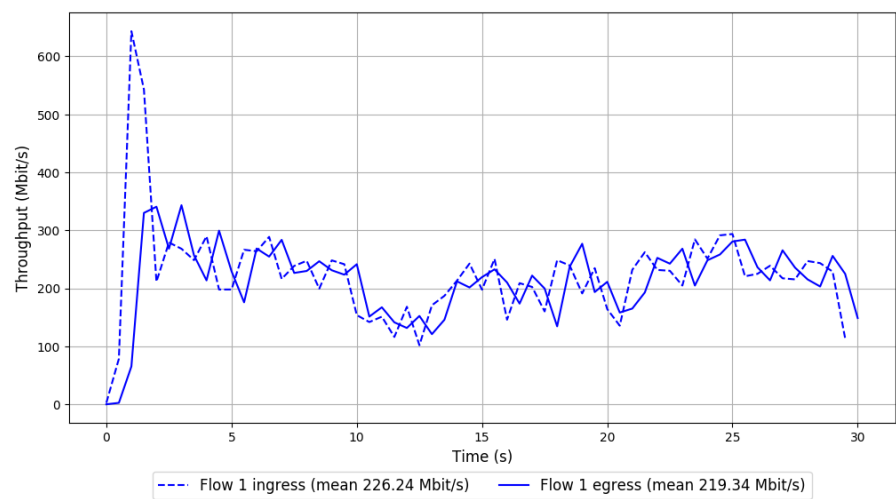


Run 1: Statistics of Verus

Start at: 2018-07-20 01:22:49
End at: 2018-07-20 01:23:19
Local clock offset: 0.056 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-20 06:43:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.34 Mbit/s
95th percentile per-packet one-way delay: 110.556 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 219.34 Mbit/s
95th percentile per-packet one-way delay: 110.556 ms
Loss rate: 3.04%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-20 01:44:45

End at: 2018-07-20 01:45:15

Local clock offset: -0.142 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-20 06:43:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.09 Mbit/s

95th percentile per-packet one-way delay: 83.670 ms

Loss rate: 1.75%

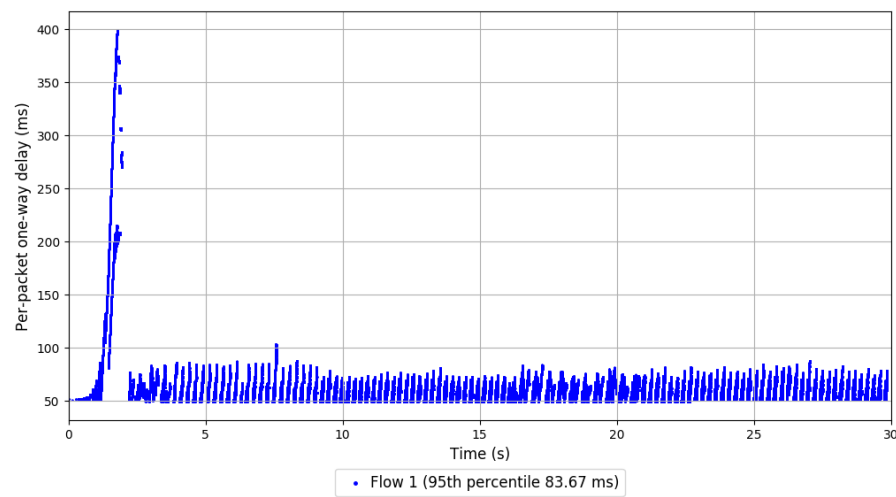
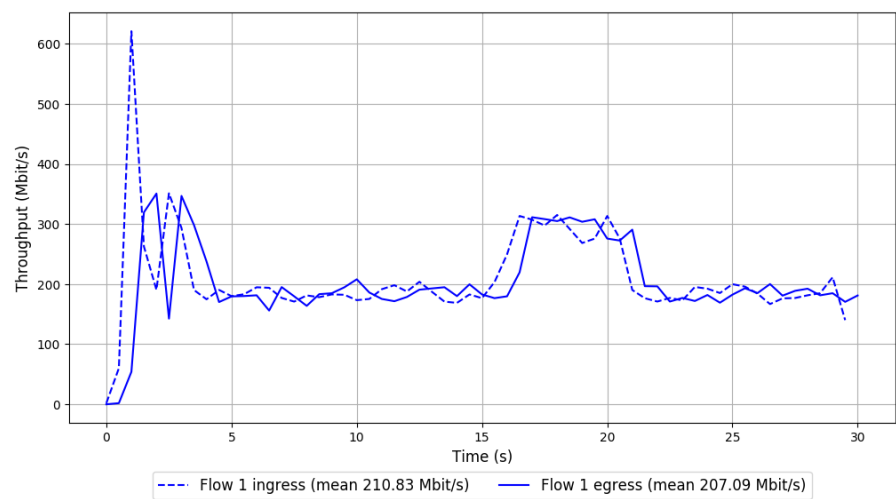
-- Flow 1:

Average throughput: 207.09 Mbit/s

95th percentile per-packet one-way delay: 83.670 ms

Loss rate: 1.75%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-20 02:06:28

End at: 2018-07-20 02:06:58

Local clock offset: -0.537 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-20 06:45:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.76 Mbit/s

95th percentile per-packet one-way delay: 88.992 ms

Loss rate: 1.65%

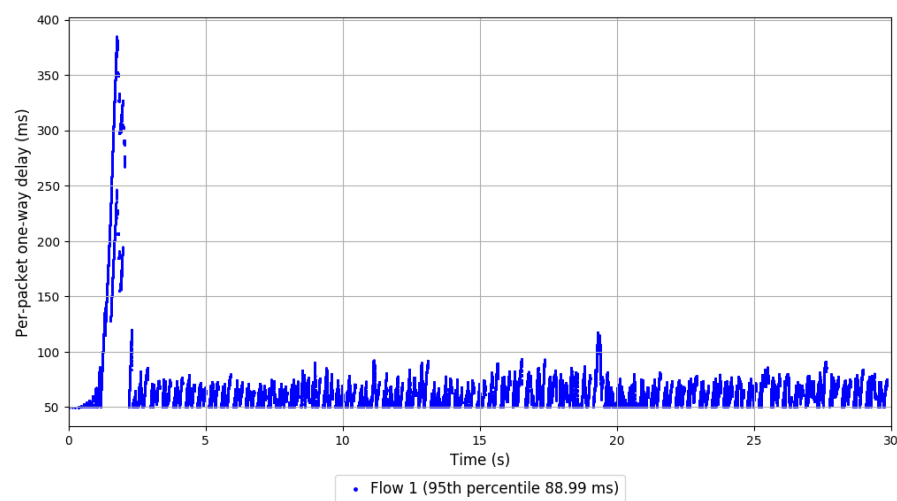
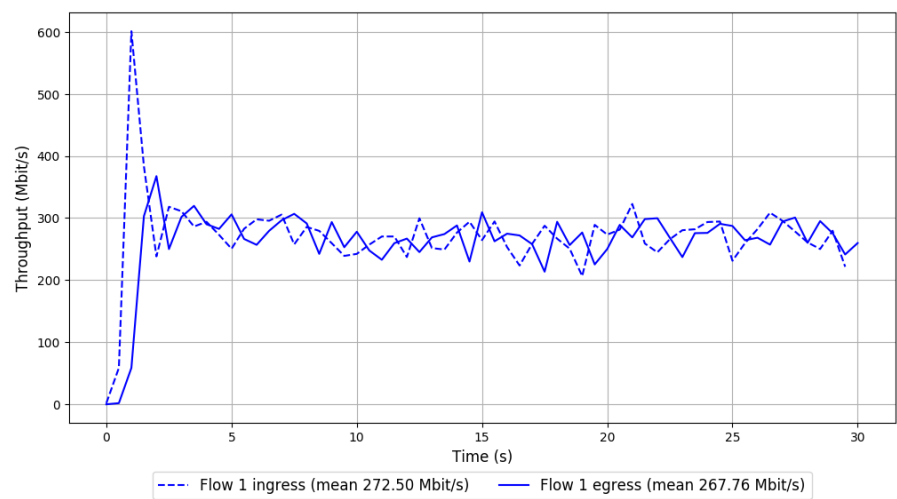
-- Flow 1:

Average throughput: 267.76 Mbit/s

95th percentile per-packet one-way delay: 88.992 ms

Loss rate: 1.65%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-20 02:28:23

End at: 2018-07-20 02:28:53

Local clock offset: 0.224 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 06:46:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.10 Mbit/s

95th percentile per-packet one-way delay: 81.434 ms

Loss rate: 1.46%

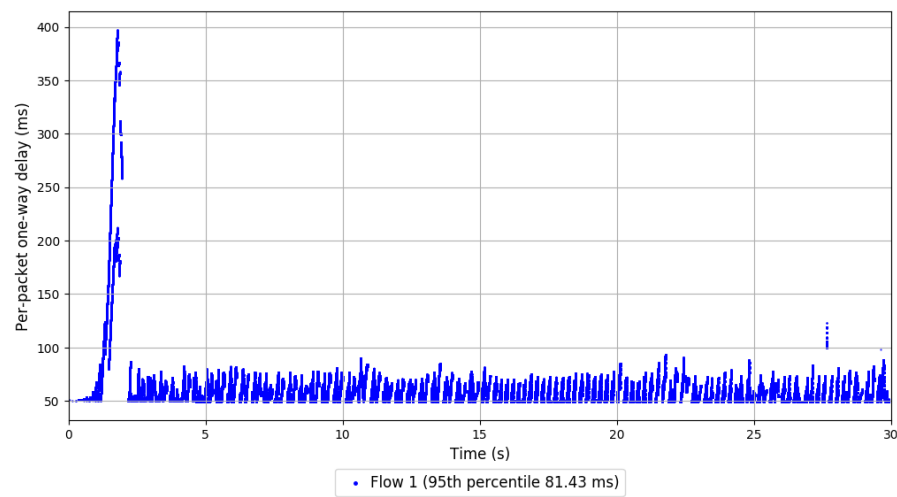
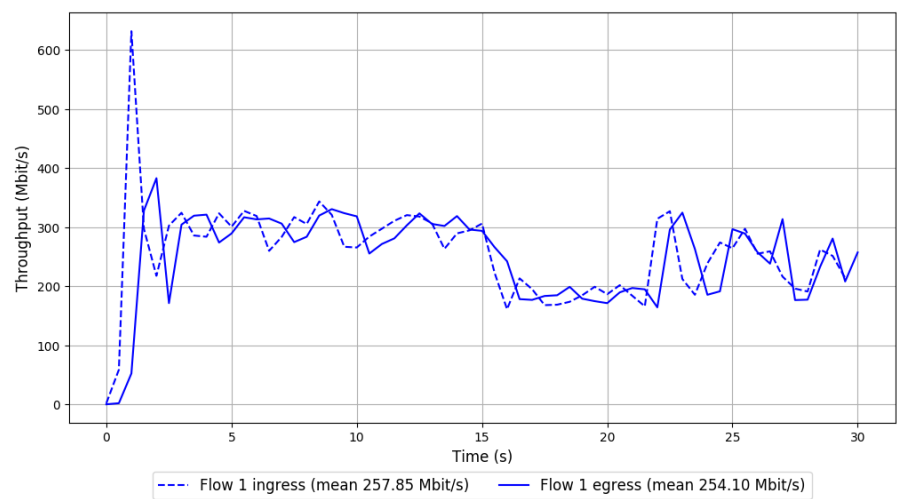
-- Flow 1:

Average throughput: 254.10 Mbit/s

95th percentile per-packet one-way delay: 81.434 ms

Loss rate: 1.46%

Run 4: Report of Verus — Data Link

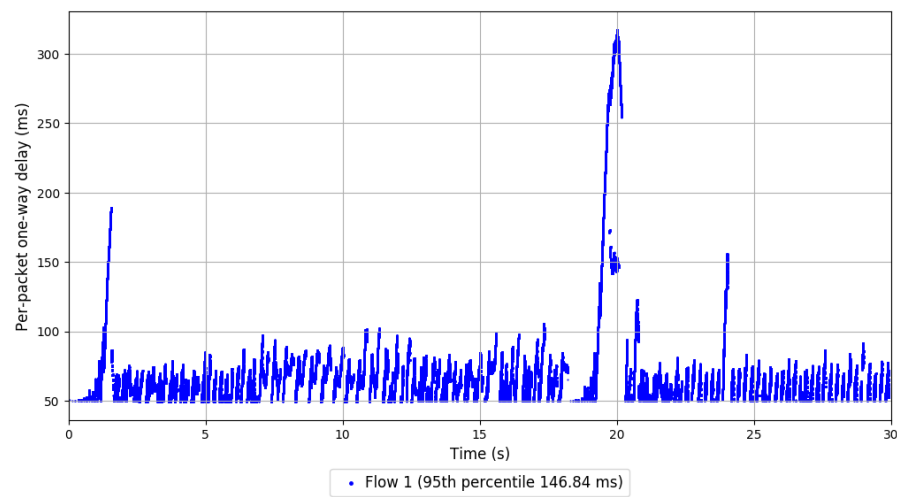
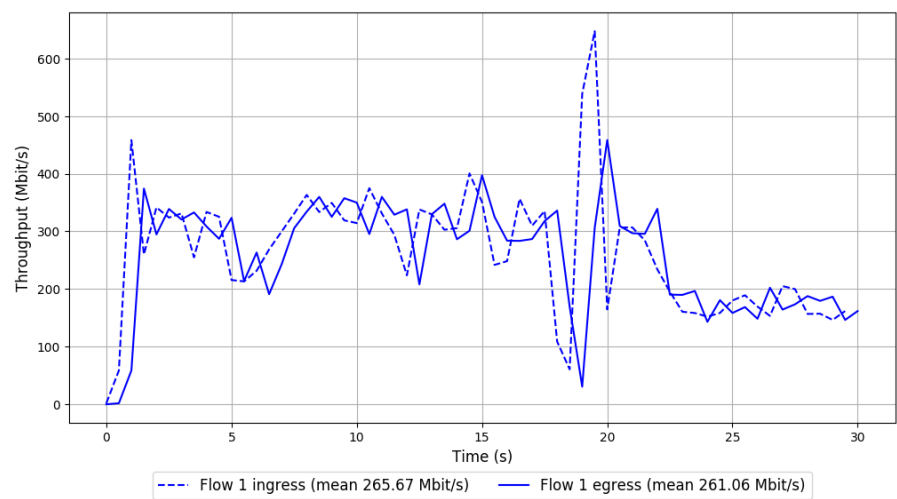


Run 5: Statistics of Verus

Start at: 2018-07-20 02:50:15
End at: 2018-07-20 02:50:45
Local clock offset: 0.283 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-20 06:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.06 Mbit/s
95th percentile per-packet one-way delay: 146.838 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 261.06 Mbit/s
95th percentile per-packet one-way delay: 146.838 ms
Loss rate: 1.72%

Run 5: Report of Verus — Data Link

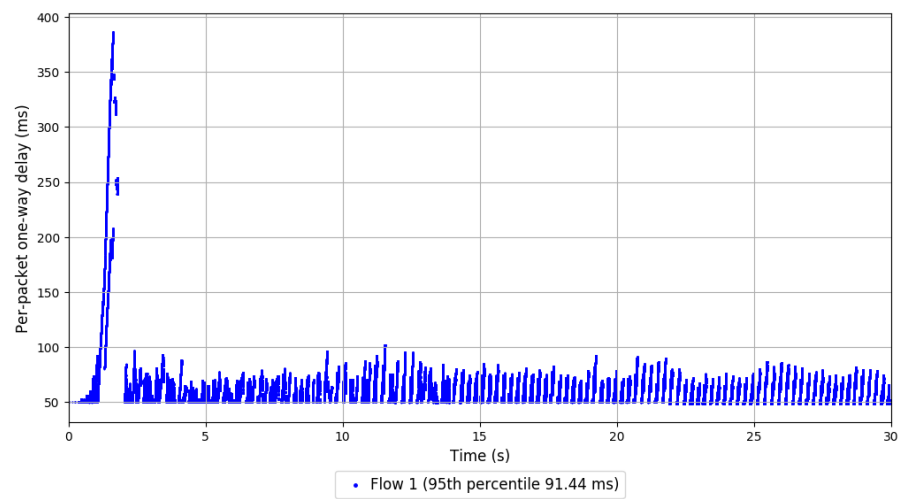
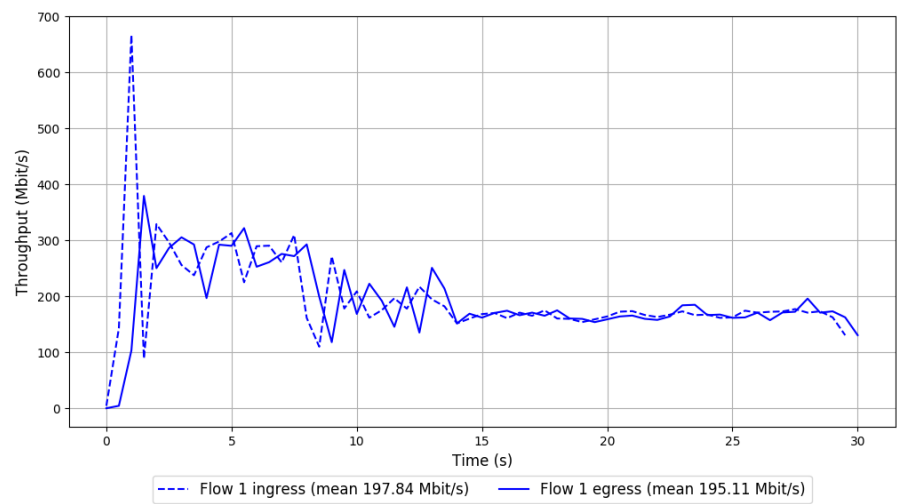


Run 6: Statistics of Verus

Start at: 2018-07-20 03:12:16
End at: 2018-07-20 03:12:46
Local clock offset: 0.256 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-20 06:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.11 Mbit/s
95th percentile per-packet one-way delay: 91.441 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 195.11 Mbit/s
95th percentile per-packet one-way delay: 91.441 ms
Loss rate: 1.38%

Run 6: Report of Verus — Data Link

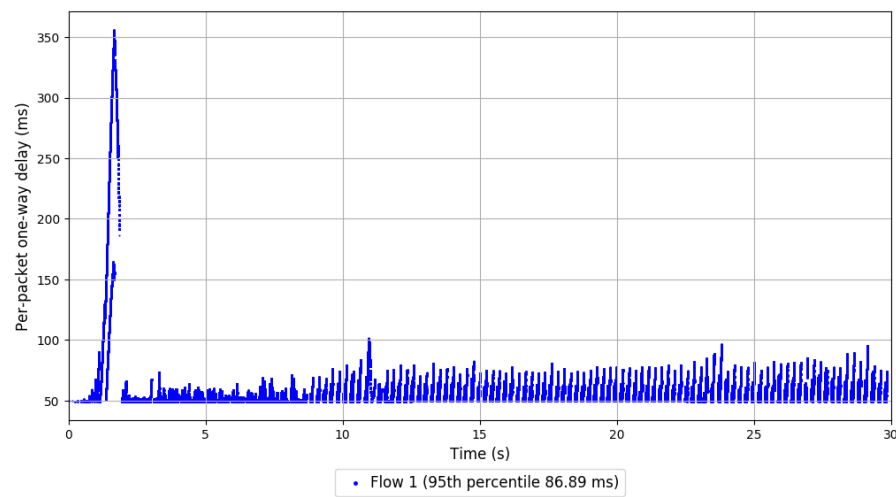
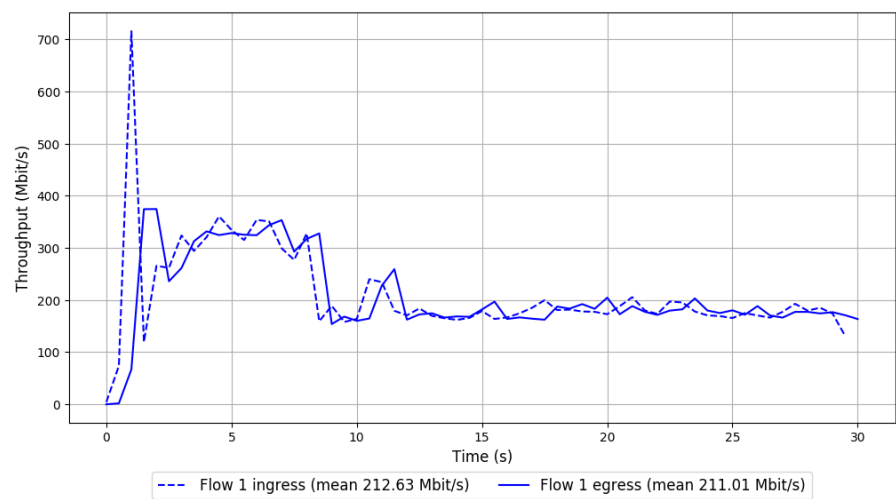


Run 7: Statistics of Verus

Start at: 2018-07-20 03:34:05
End at: 2018-07-20 03:34:35
Local clock offset: -0.115 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-20 06:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.01 Mbit/s
95th percentile per-packet one-way delay: 86.893 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 211.01 Mbit/s
95th percentile per-packet one-way delay: 86.893 ms
Loss rate: 0.75%

Run 7: Report of Verus — Data Link

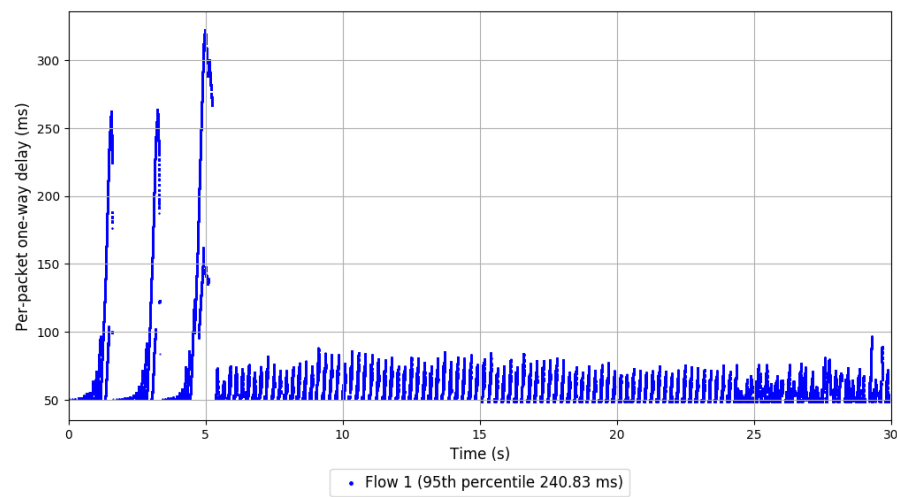
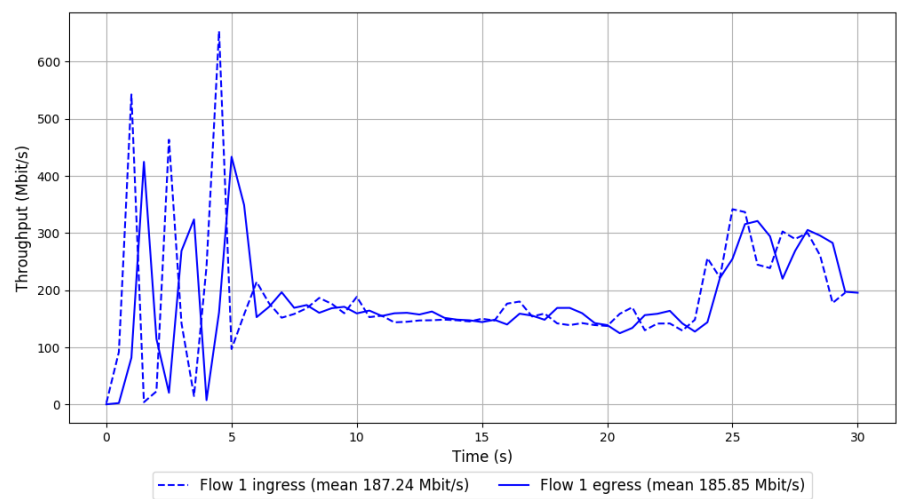


Run 8: Statistics of Verus

Start at: 2018-07-20 03:56:13
End at: 2018-07-20 03:56:43
Local clock offset: -0.113 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-20 06:47:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.85 Mbit/s
95th percentile per-packet one-way delay: 240.826 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 185.85 Mbit/s
95th percentile per-packet one-way delay: 240.826 ms
Loss rate: 0.75%

Run 8: Report of Verus — Data Link

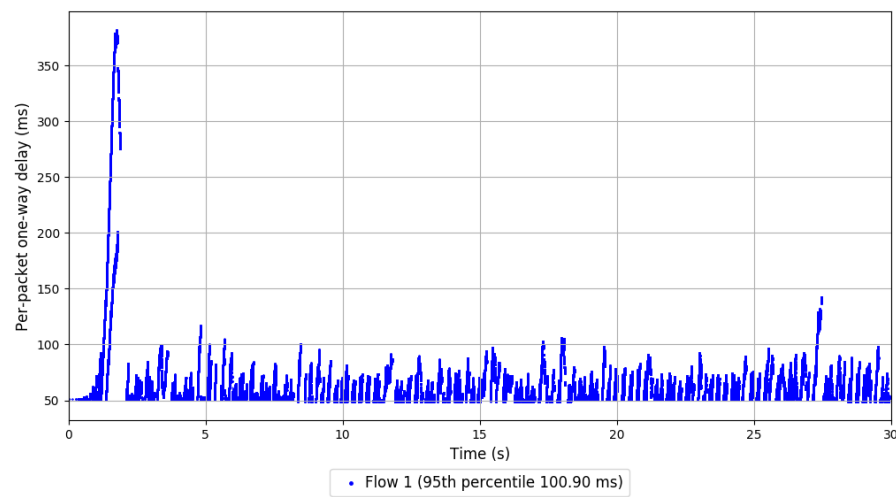
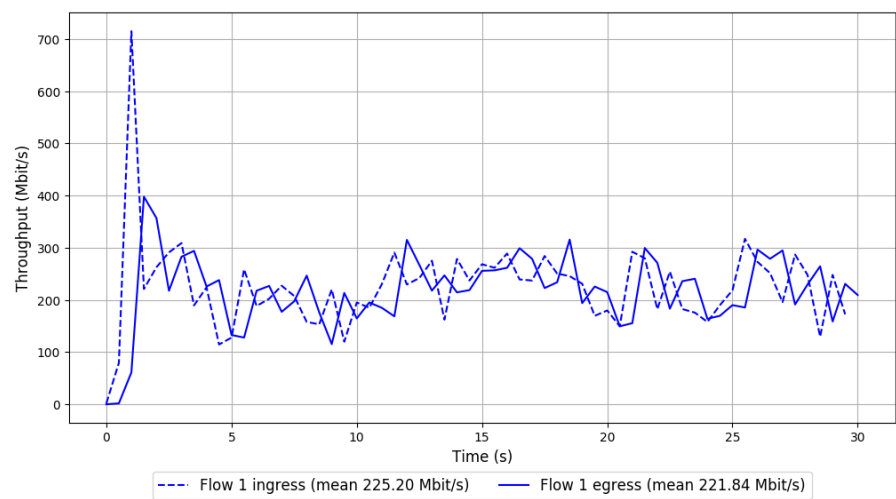


Run 9: Statistics of Verus

Start at: 2018-07-20 04:18:20
End at: 2018-07-20 04:18:50
Local clock offset: -0.156 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-20 06:47:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.84 Mbit/s
95th percentile per-packet one-way delay: 100.898 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 221.84 Mbit/s
95th percentile per-packet one-way delay: 100.898 ms
Loss rate: 1.49%

Run 9: Report of Verus — Data Link

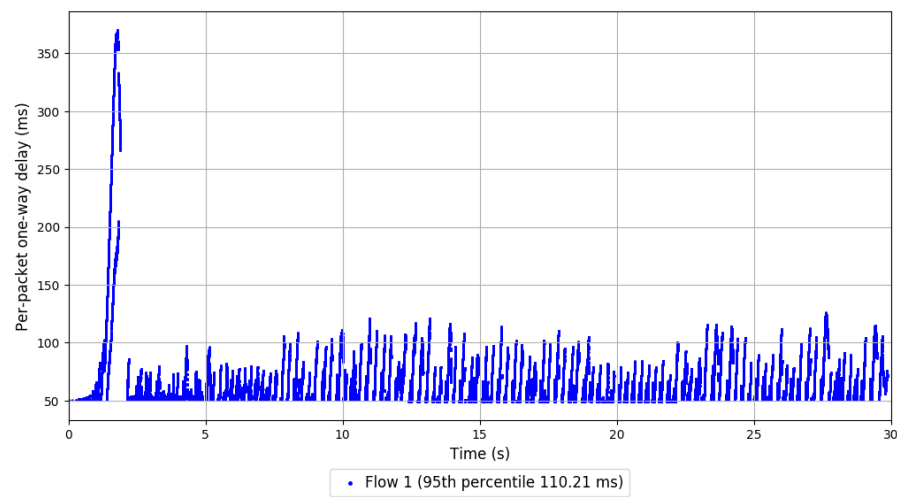
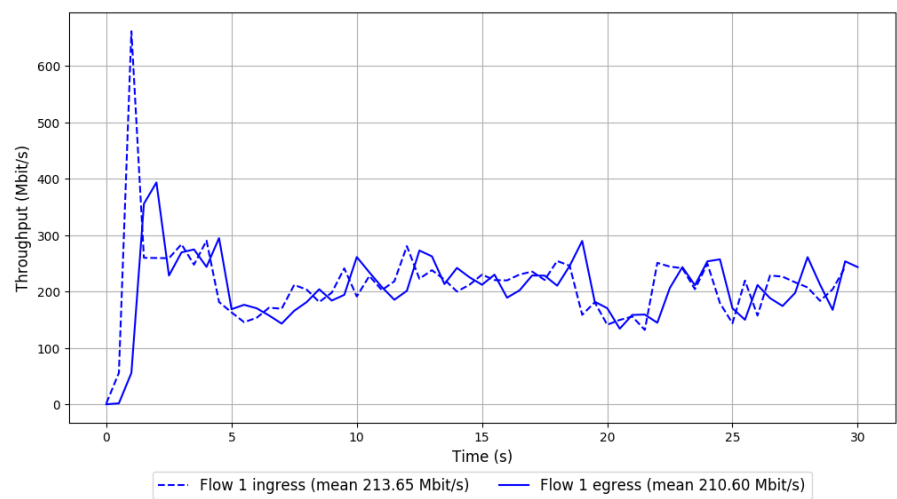


Run 10: Statistics of Verus

Start at: 2018-07-20 04:40:16
End at: 2018-07-20 04:40:46
Local clock offset: -0.507 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 06:47:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.60 Mbit/s
95th percentile per-packet one-way delay: 110.211 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 210.60 Mbit/s
95th percentile per-packet one-way delay: 110.211 ms
Loss rate: 1.35%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-20 01:38:13

End at: 2018-07-20 01:38:43

Local clock offset: 0.176 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-20 06:51:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.69 Mbit/s

95th percentile per-packet one-way delay: 131.553 ms

Loss rate: 0.17%

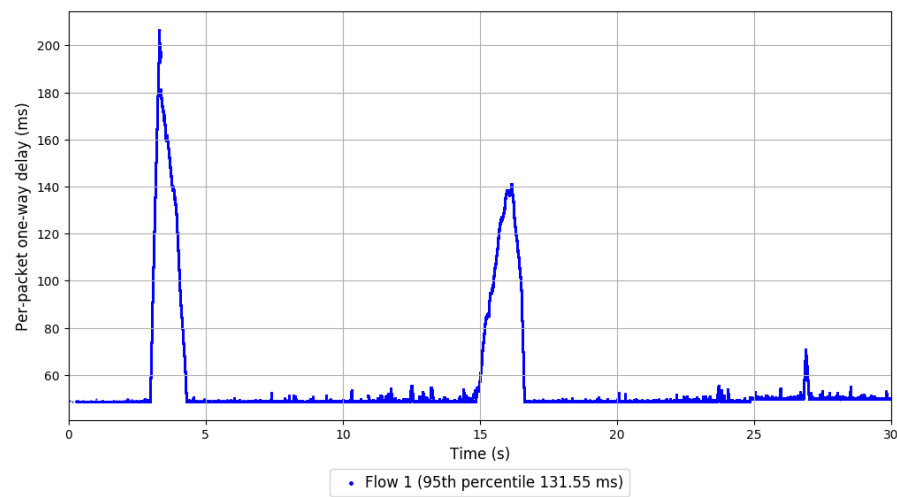
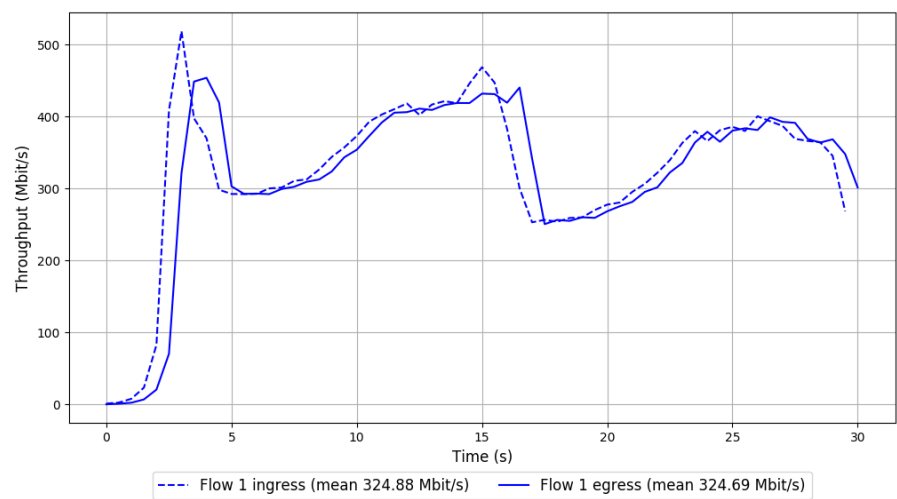
-- Flow 1:

Average throughput: 324.69 Mbit/s

95th percentile per-packet one-way delay: 131.553 ms

Loss rate: 0.17%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-20 02:00:01

End at: 2018-07-20 02:00:31

Local clock offset: 0.276 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-20 06:52:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.88 Mbit/s

95th percentile per-packet one-way delay: 100.314 ms

Loss rate: 0.08%

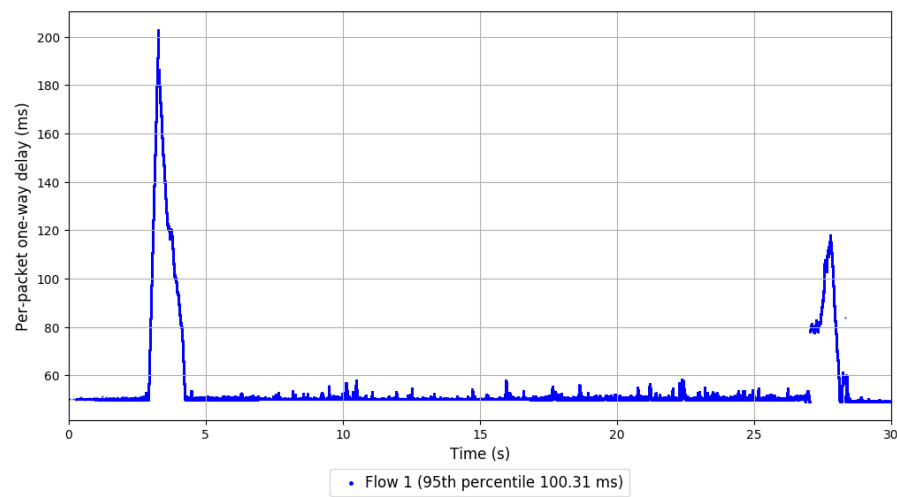
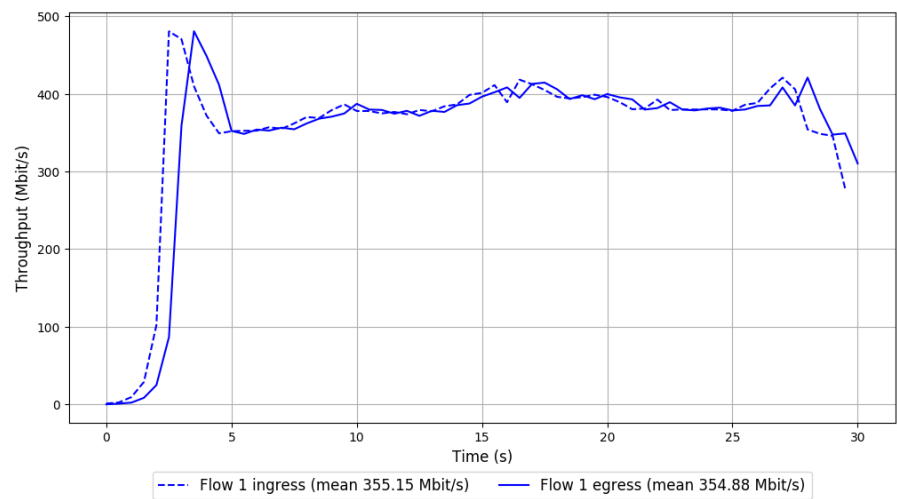
-- Flow 1:

Average throughput: 354.88 Mbit/s

95th percentile per-packet one-way delay: 100.314 ms

Loss rate: 0.08%

Run 2: Report of PCC-Vivace — Data Link

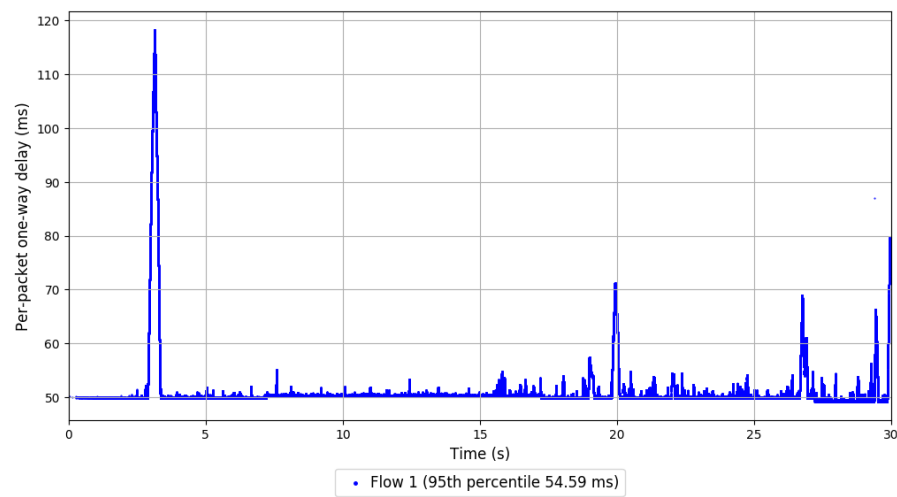
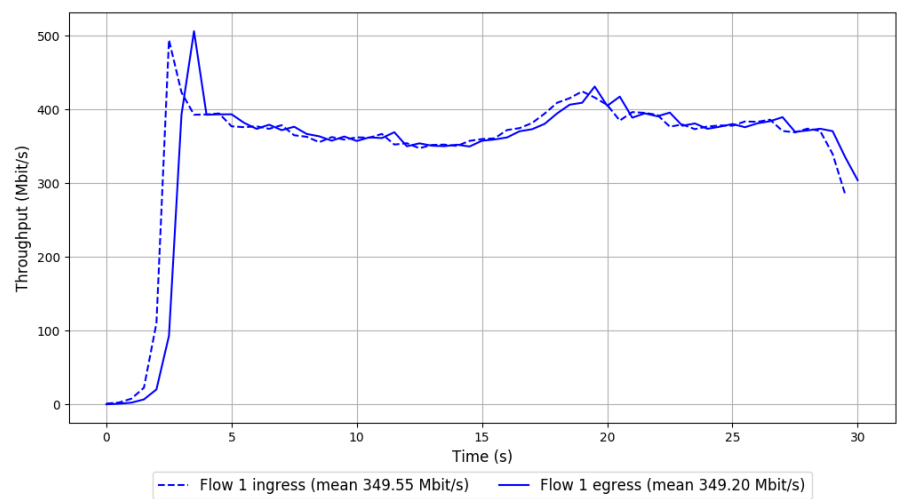


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-20 02:21:51
End at: 2018-07-20 02:22:21
Local clock offset: 0.143 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-20 06:52:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.20 Mbit/s
95th percentile per-packet one-way delay: 54.593 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 349.20 Mbit/s
95th percentile per-packet one-way delay: 54.593 ms
Loss rate: 0.10%

Run 3: Report of PCC-Vivace — Data Link

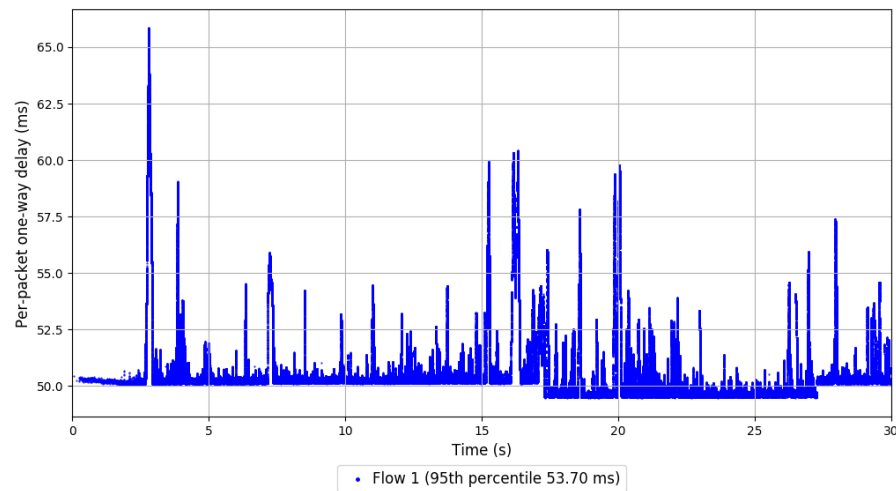
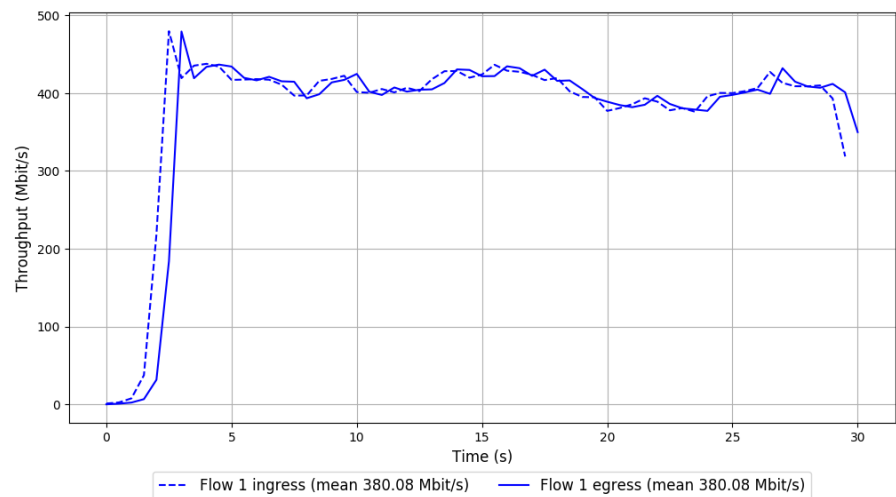


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-20 02:43:41
End at: 2018-07-20 02:44:11
Local clock offset: -0.06 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-20 06:53:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.08 Mbit/s
95th percentile per-packet one-way delay: 53.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.08 Mbit/s
95th percentile per-packet one-way delay: 53.695 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

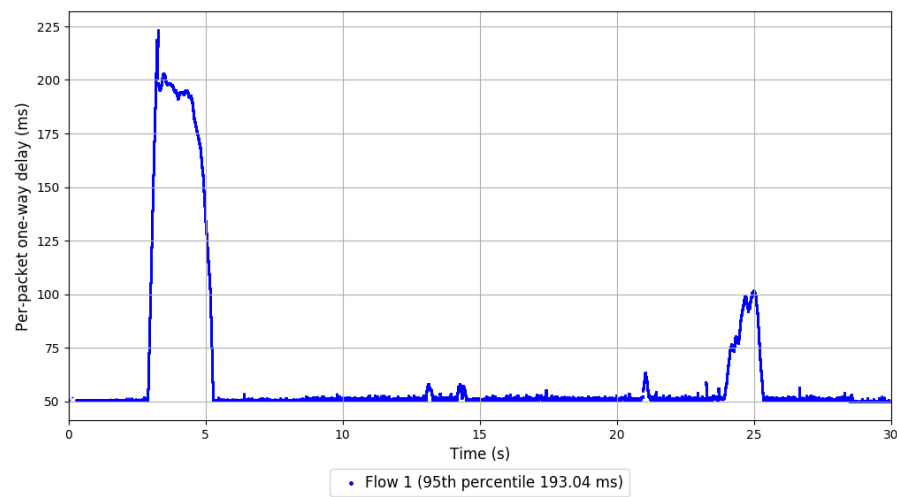
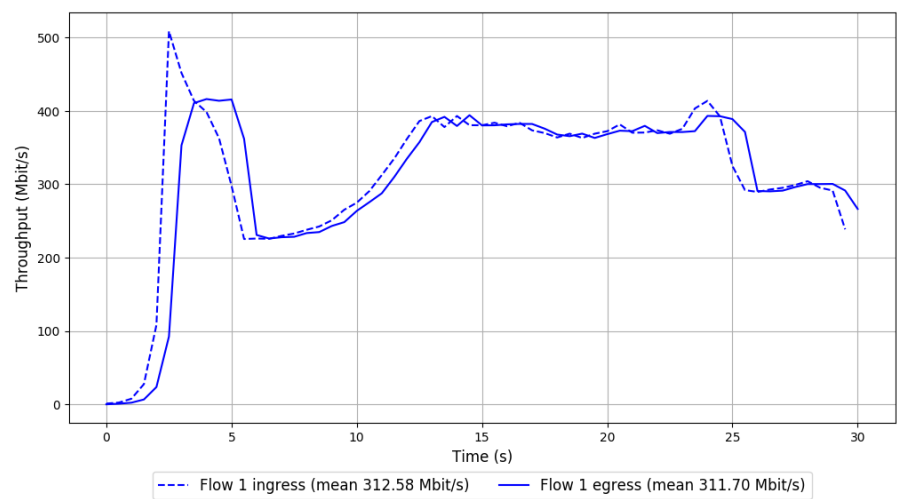


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-20 03:05:39
End at: 2018-07-20 03:06:09
Local clock offset: -0.421 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-20 06:53:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.70 Mbit/s
95th percentile per-packet one-way delay: 193.036 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 311.70 Mbit/s
95th percentile per-packet one-way delay: 193.036 ms
Loss rate: 0.28%

Run 5: Report of PCC-Vivace — Data Link

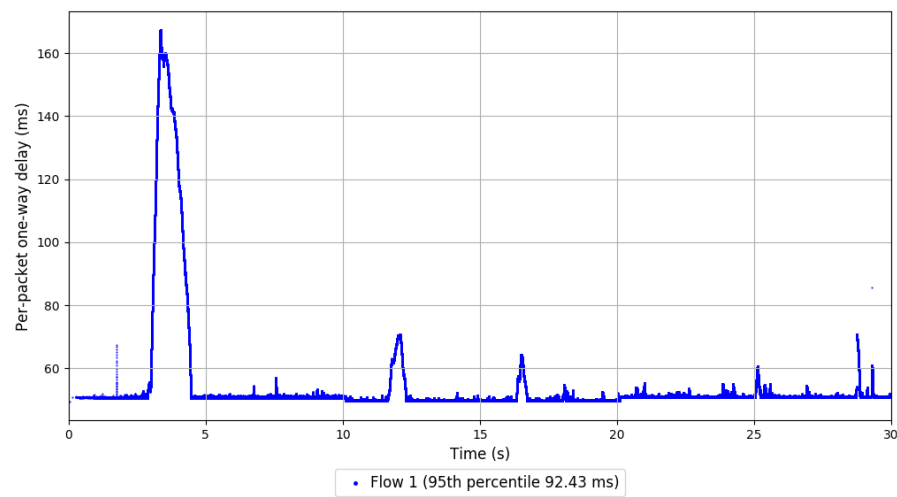
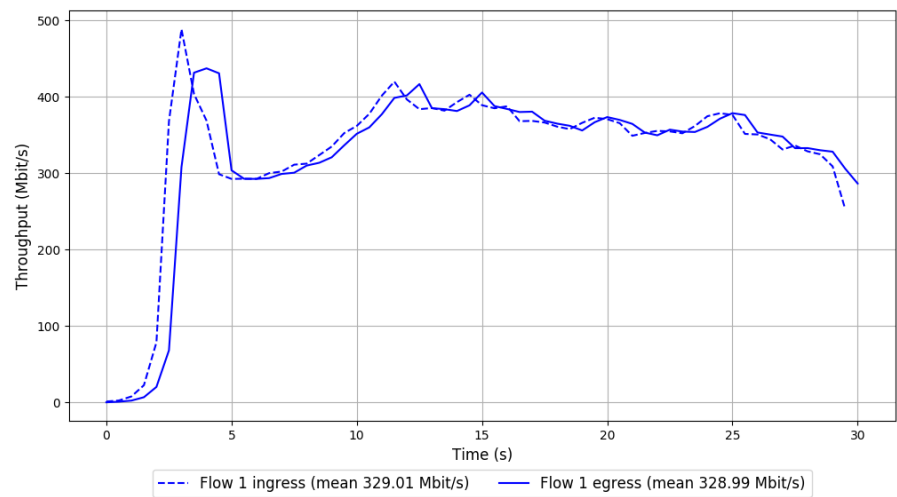


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-20 03:27:38
End at: 2018-07-20 03:28:08
Local clock offset: -0.092 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-20 06:53:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.99 Mbit/s
95th percentile per-packet one-way delay: 92.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.99 Mbit/s
95th percentile per-packet one-way delay: 92.434 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

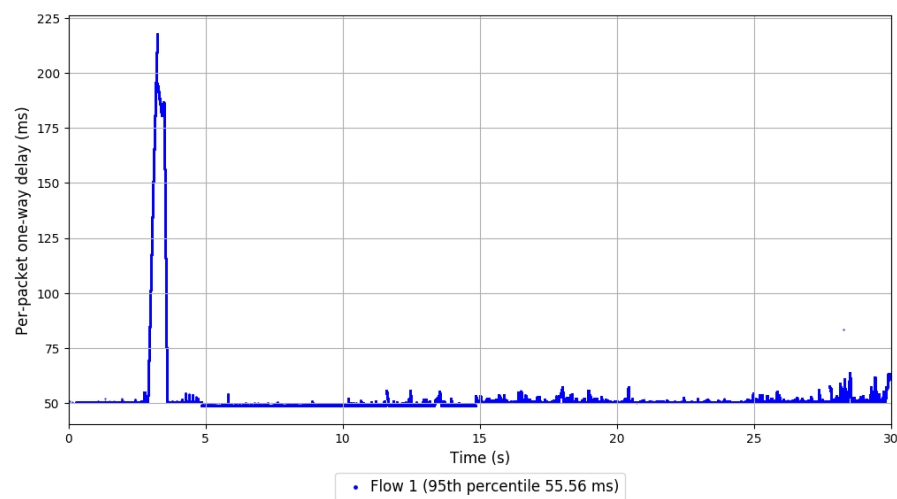
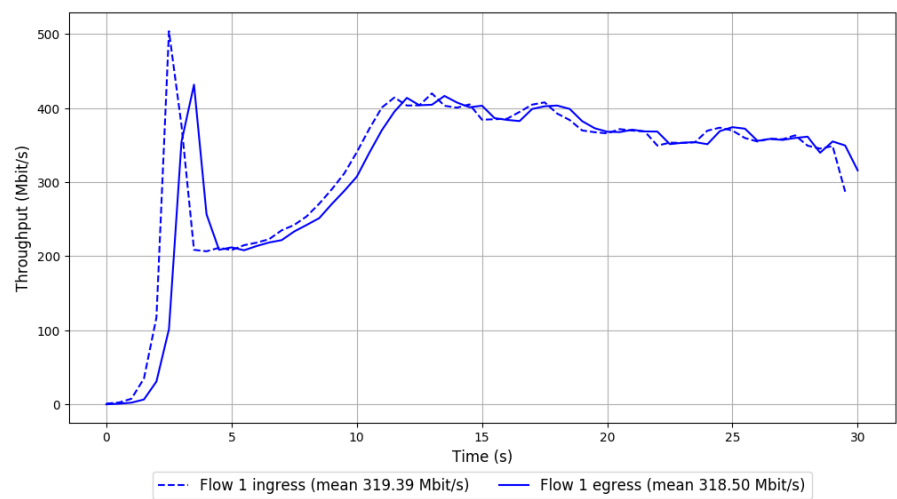


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-20 03:49:43
End at: 2018-07-20 03:50:13
Local clock offset: -0.123 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-20 06:53:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.50 Mbit/s
95th percentile per-packet one-way delay: 55.563 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 318.50 Mbit/s
95th percentile per-packet one-way delay: 55.563 ms
Loss rate: 0.27%

Run 7: Report of PCC-Vivace — Data Link

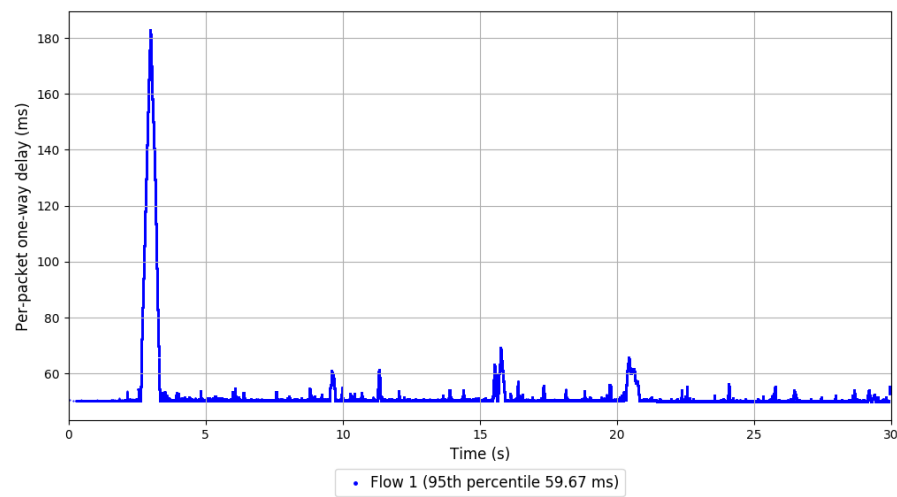
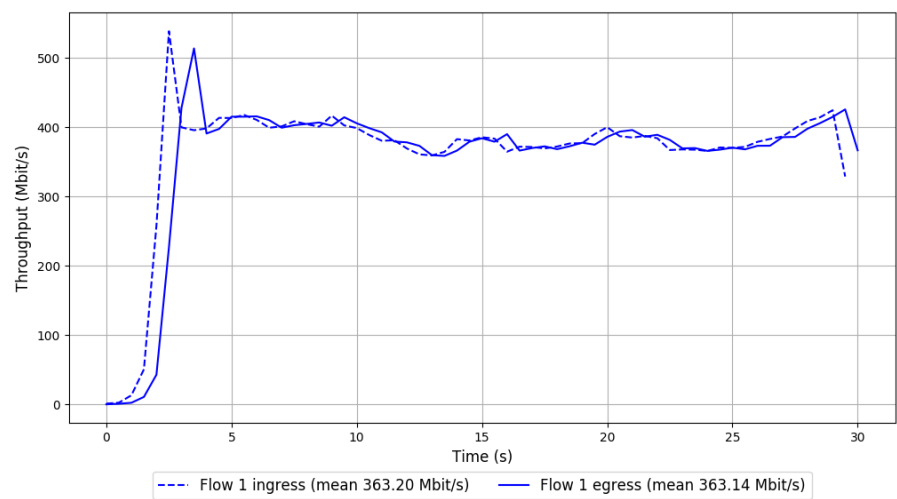


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-20 04:11:46
End at: 2018-07-20 04:12:17
Local clock offset: 0.236 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-20 06:53:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 363.14 Mbit/s
95th percentile per-packet one-way delay: 59.668 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 363.14 Mbit/s
95th percentile per-packet one-way delay: 59.668 ms
Loss rate: 0.01%

Run 8: Report of PCC-Vivace — Data Link

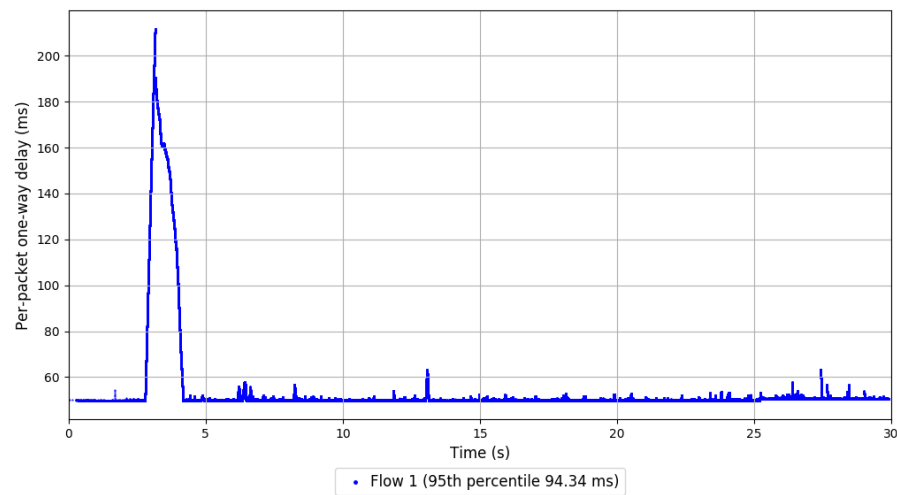
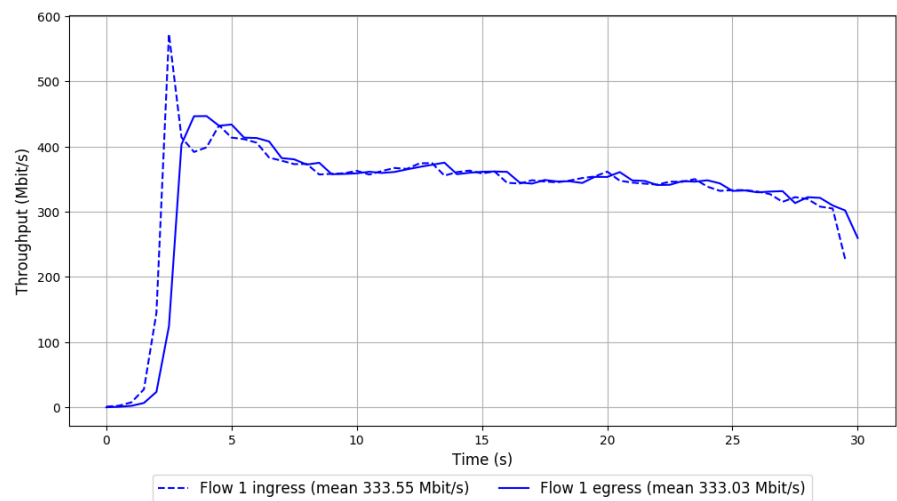


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-20 04:33:43
End at: 2018-07-20 04:34:13
Local clock offset: -0.495 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-20 06:53:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 333.03 Mbit/s
95th percentile per-packet one-way delay: 94.340 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 333.03 Mbit/s
95th percentile per-packet one-way delay: 94.340 ms
Loss rate: 0.16%

Run 9: Report of PCC-Vivace — Data Link

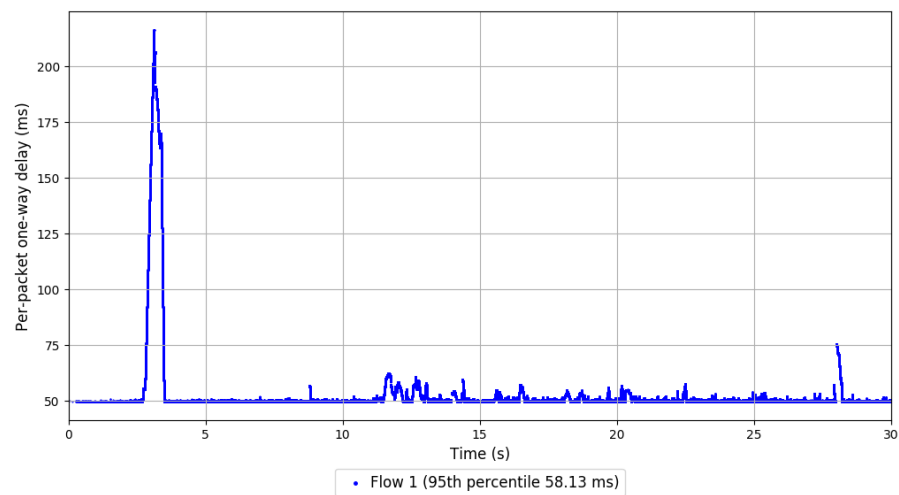
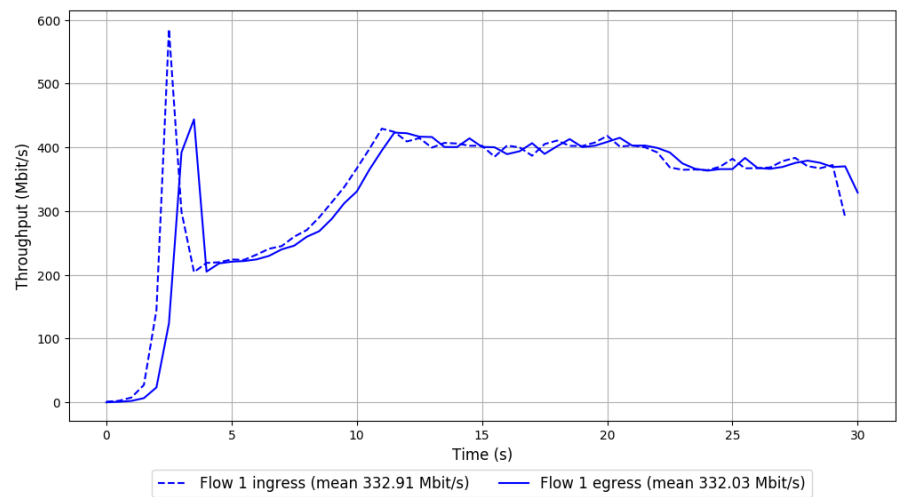


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-20 04:55:39
End at: 2018-07-20 04:56:09
Local clock offset: -0.149 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-20 06:53:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.03 Mbit/s
95th percentile per-packet one-way delay: 58.126 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 332.03 Mbit/s
95th percentile per-packet one-way delay: 58.126 ms
Loss rate: 0.26%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-20 01:31:52

End at: 2018-07-20 01:32:22

Local clock offset: 0.109 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-20 06:53:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 51.091 ms

Loss rate: 0.00%

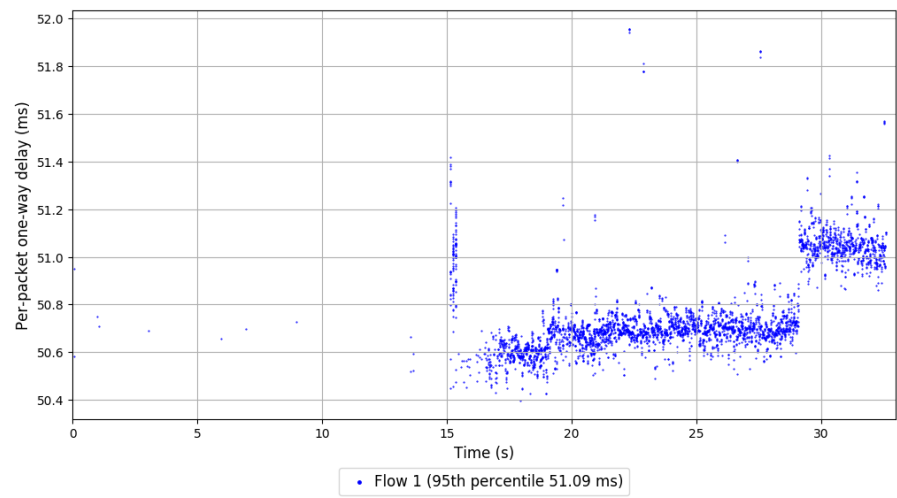
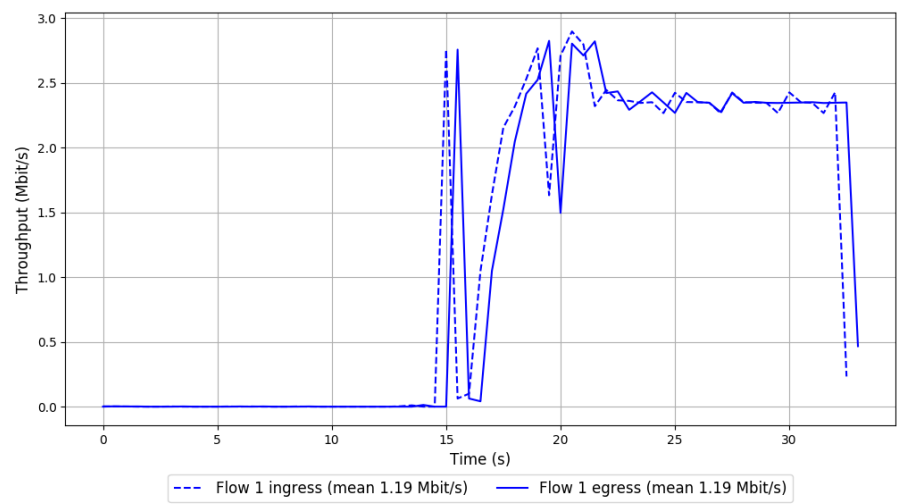
-- Flow 1:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 51.091 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

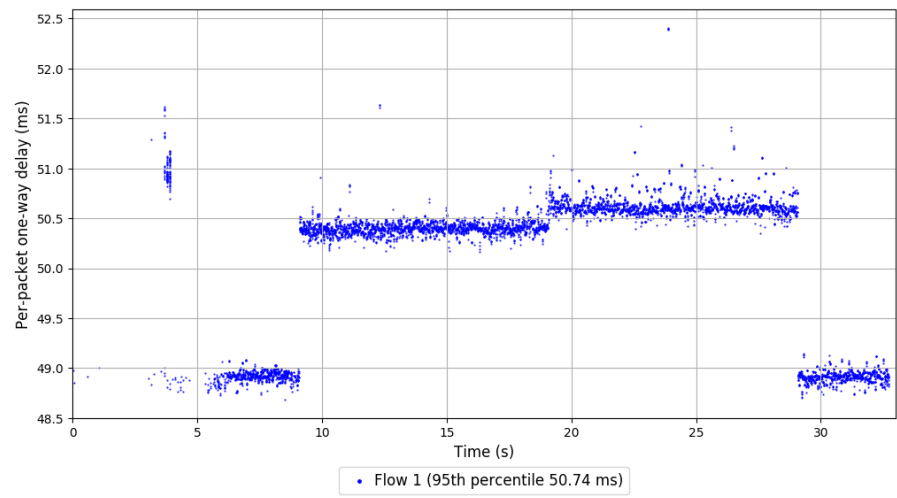
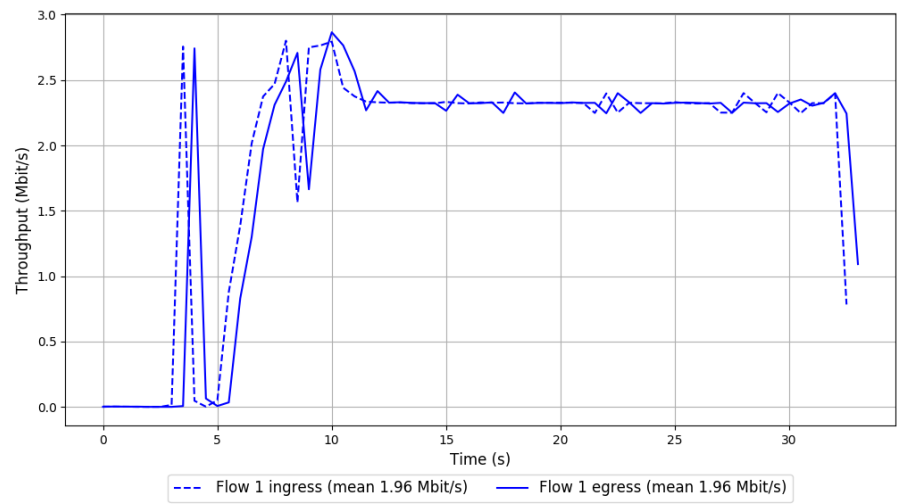


Run 2: Statistics of WebRTC media

Start at: 2018-07-20 01:53:42
End at: 2018-07-20 01:54:12
Local clock offset: 0.058 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 06:53:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

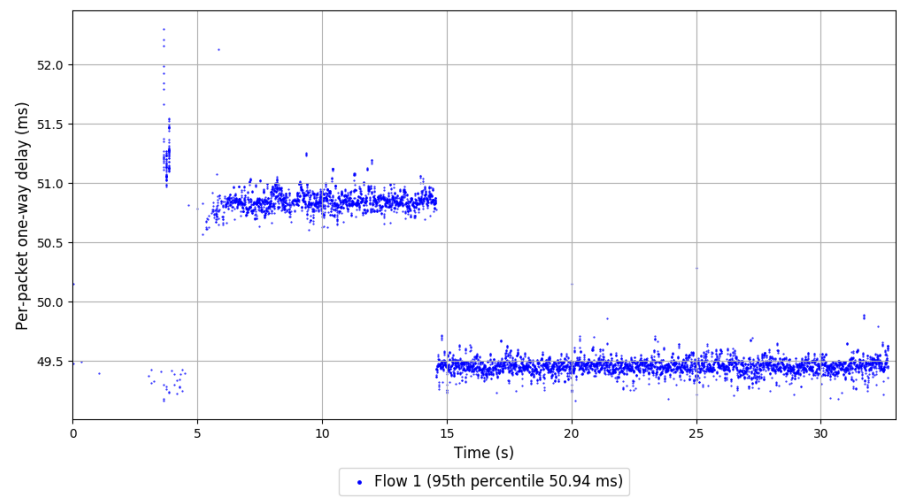
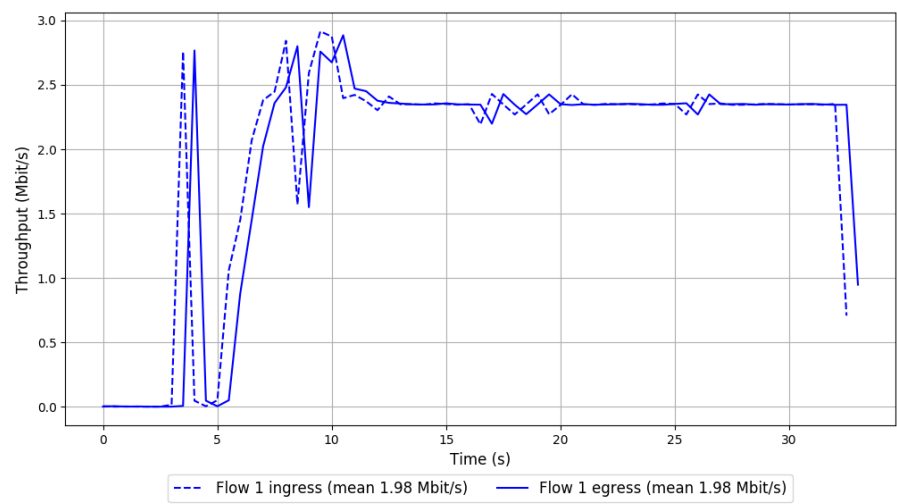


Run 3: Statistics of WebRTC media

Start at: 2018-07-20 02:15:26
End at: 2018-07-20 02:15:56
Local clock offset: -0.603 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-20 06:53:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.941 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-20 02:37:27

End at: 2018-07-20 02:37:57

Local clock offset: 0.246 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-20 06:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 49.701 ms

Loss rate: 0.00%

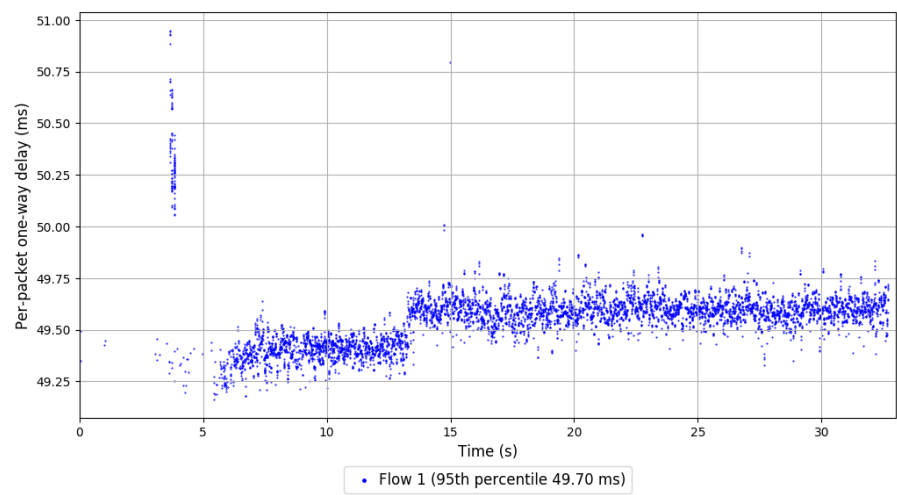
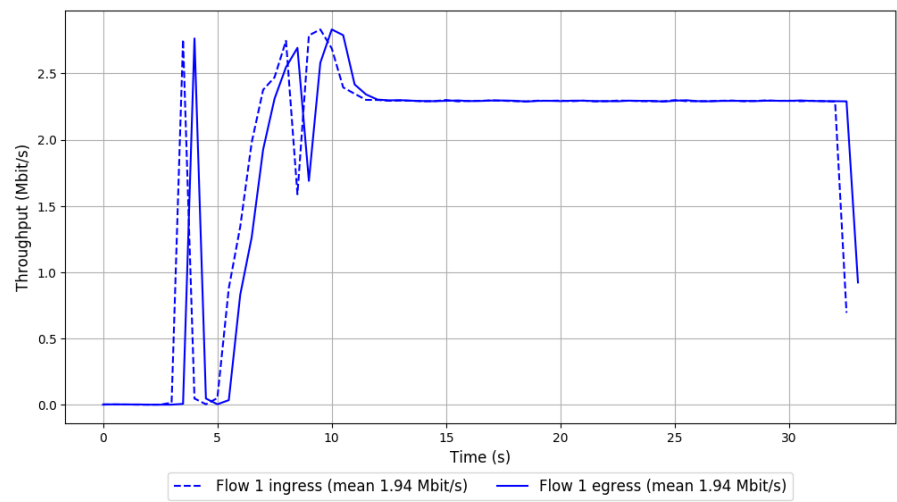
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 49.701 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-20 02:59:17

End at: 2018-07-20 02:59:47

Local clock offset: -0.041 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 06:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.214 ms

Loss rate: 0.00%

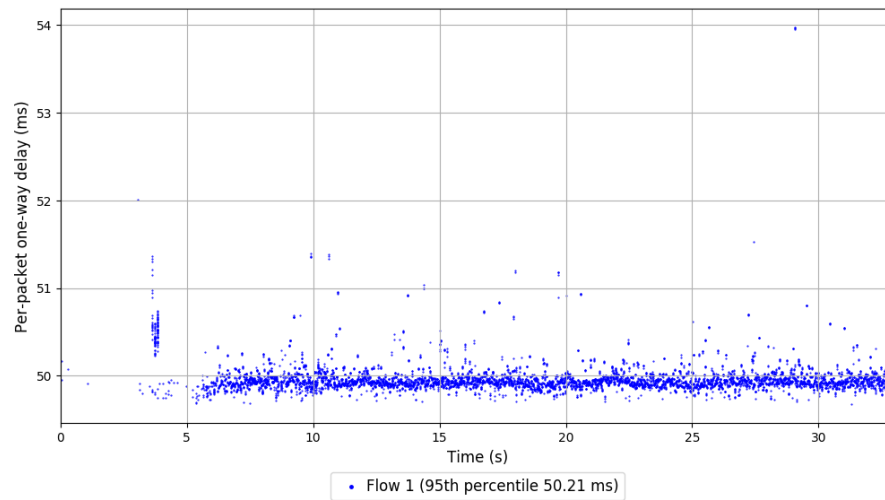
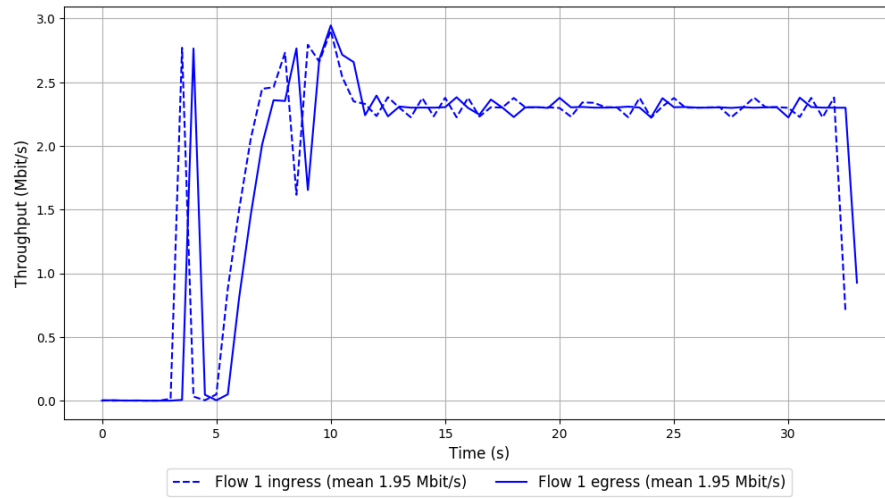
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.214 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

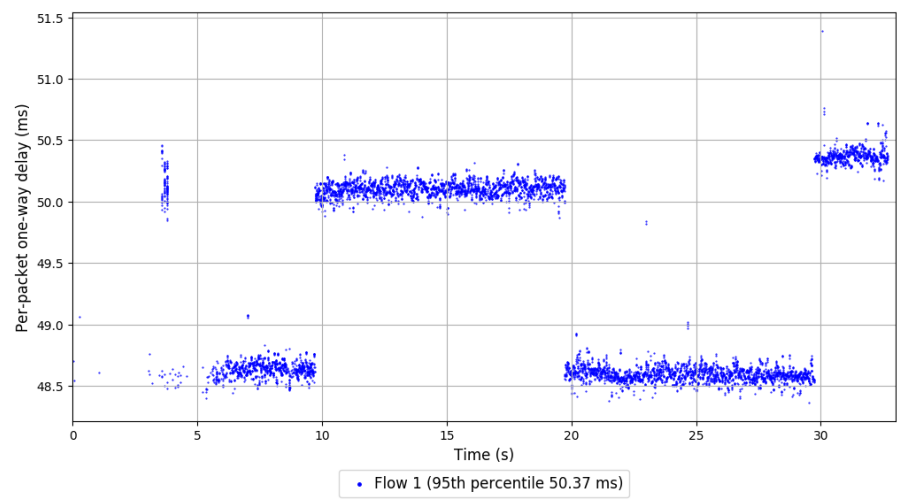
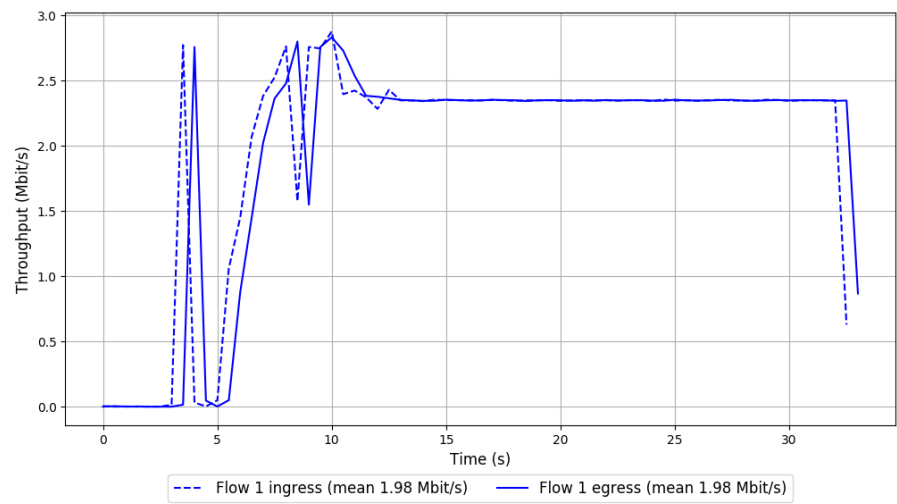


Run 6: Statistics of WebRTC media

Start at: 2018-07-20 03:21:11
End at: 2018-07-20 03:21:41
Local clock offset: 0.264 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-20 06:53:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.368 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

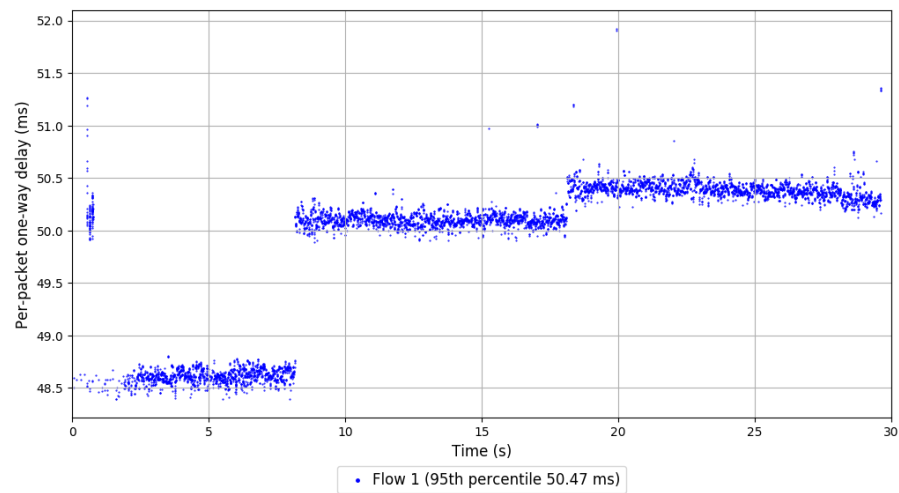
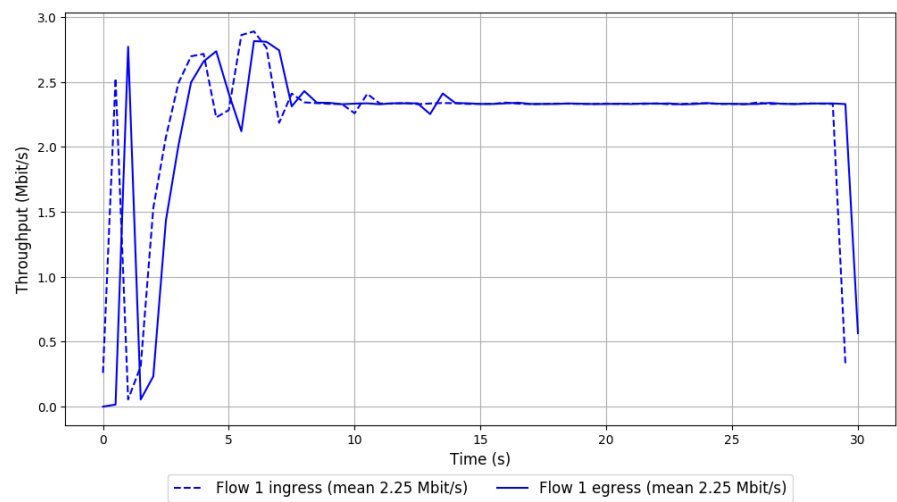


Run 7: Statistics of WebRTC media

Start at: 2018-07-20 03:43:10
End at: 2018-07-20 03:43:40
Local clock offset: 0.211 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 06:53:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 50.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 50.465 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

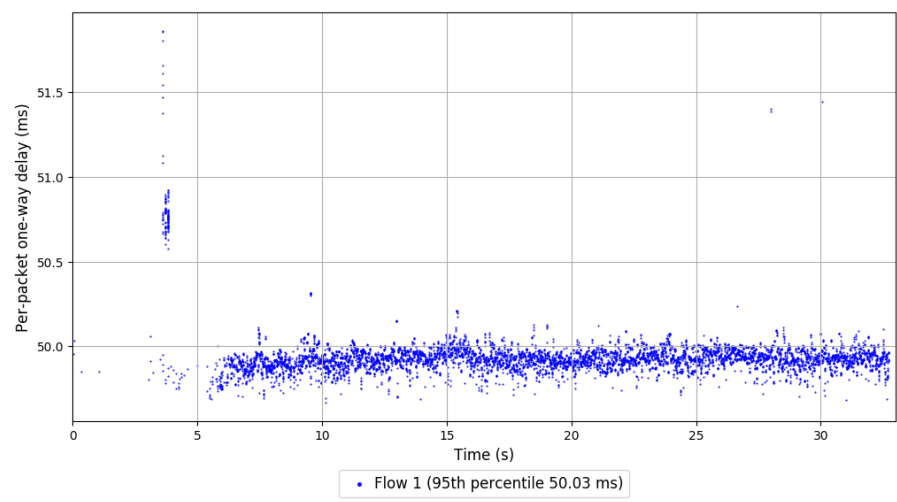
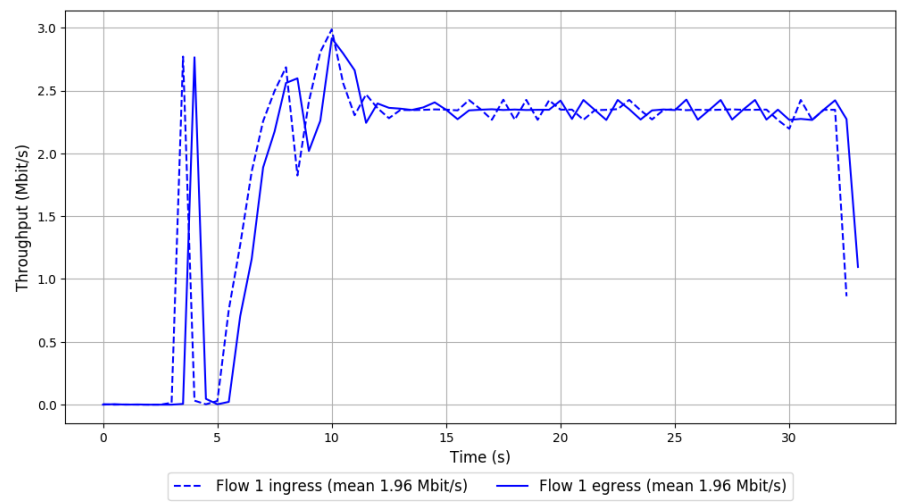


Run 8: Statistics of WebRTC media

Start at: 2018-07-20 04:05:17
End at: 2018-07-20 04:05:47
Local clock offset: -0.189 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 06:53:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.028 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

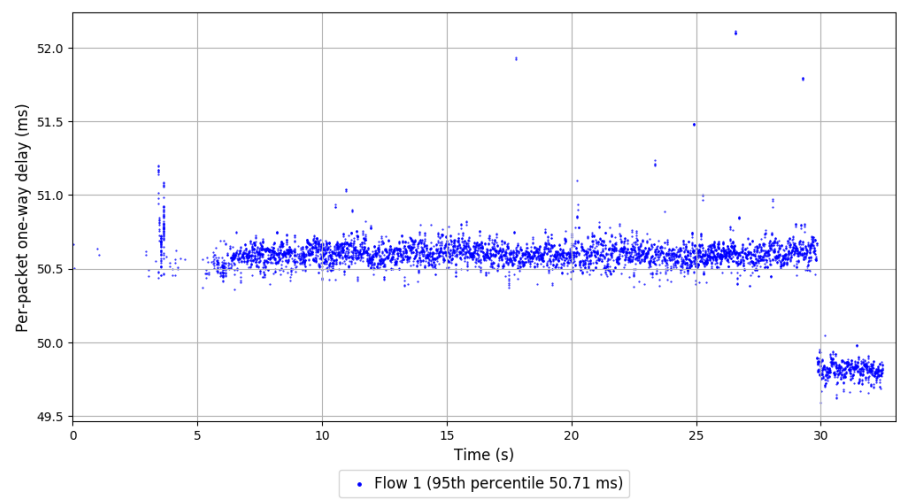
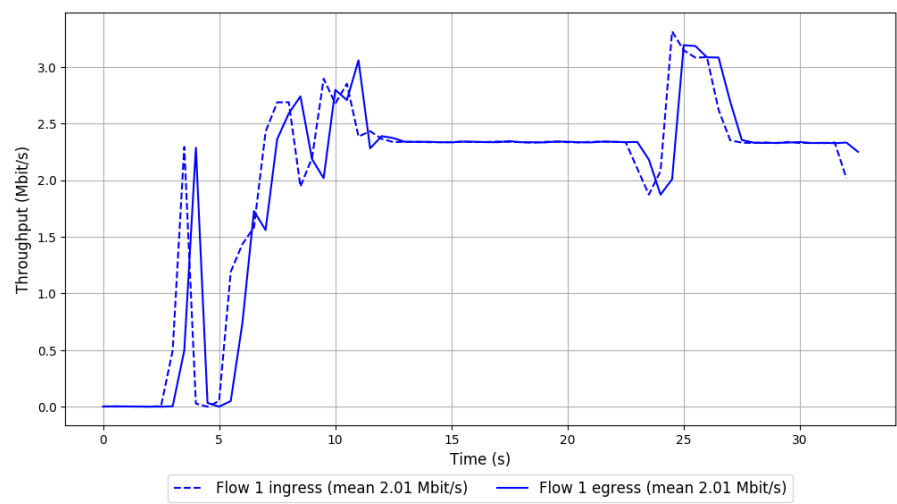


Run 9: Statistics of WebRTC media

Start at: 2018-07-20 04:27:21
End at: 2018-07-20 04:27:51
Local clock offset: -0.079 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-20 06:53:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-20 04:49:14

End at: 2018-07-20 04:49:44

Local clock offset: -0.526 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-20 06:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.244 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.244 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

