

Pantheon Report

Generated at 2018-06-20 10:09:15 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

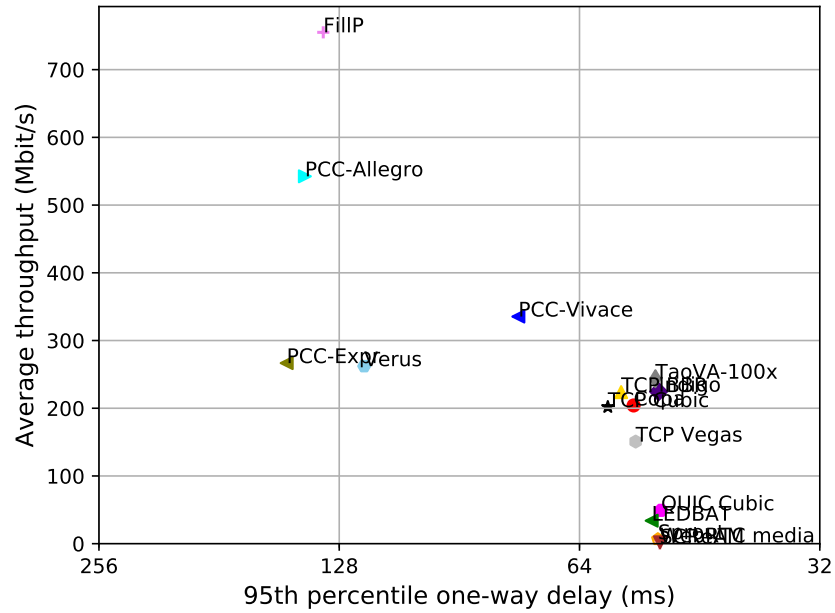
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

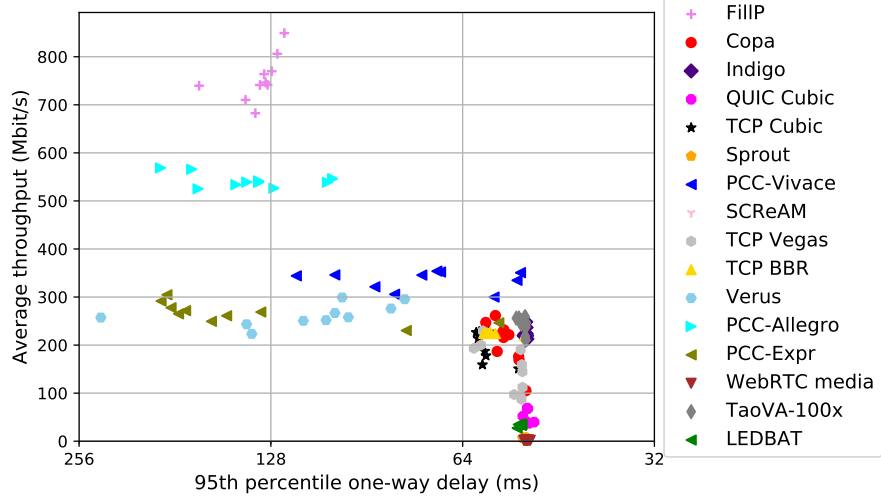
Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/llnwd @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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)



test from GCE London to GCE Iowa, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	223.83	56.76	0.00
Copa	10	204.10	54.75	0.00
TCP Cubic	10	201.79	58.98	0.02
FillP	10	755.08	134.04	3.53
Indigo	10	224.48	50.95	0.01
LEDBAT	10	33.94	51.98	0.00
PCC-Allegro	10	542.47	141.33	1.29
PCC-Expr	10	266.66	148.96	1.47
QUIC Cubic	7	49.25	50.59	0.00
SCReAM	10	0.22	50.77	0.01
Sprout	10	6.67	51.05	0.00
TaoVA-100x	10	243.63	51.42	0.00
TCP Vegas	10	150.75	54.43	0.00
Verus	10	262.16	119.12	0.99
PCC-Vivace	10	335.40	76.35	0.04
WebRTC media	10	1.91	50.74	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-20 05:04:40

End at: 2018-06-20 05:05:10

Local clock offset: 0.133 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-20 08:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.59 Mbit/s

95th percentile per-packet one-way delay: 57.897 ms

Loss rate: 0.00%

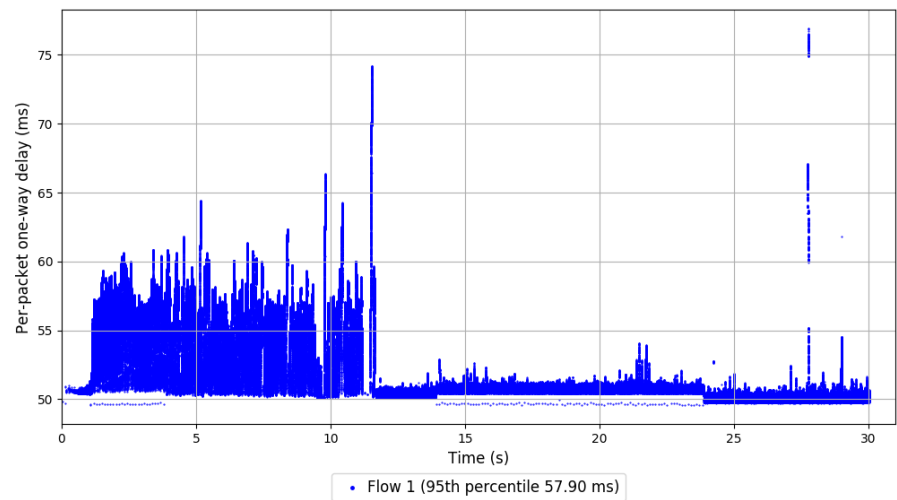
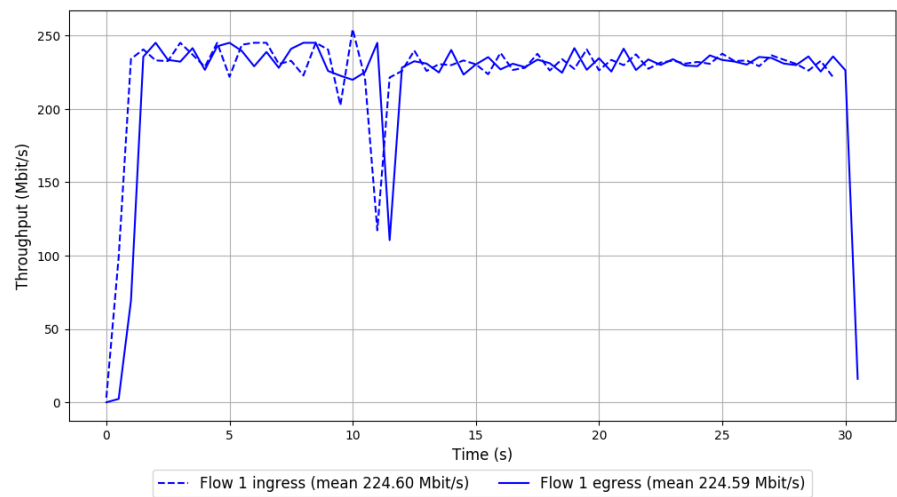
-- Flow 1:

Average throughput: 224.59 Mbit/s

95th percentile per-packet one-way delay: 57.897 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-20 05:25:27

End at: 2018-06-20 05:25:57

Local clock offset: 0.114 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-20 08:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.92 Mbit/s

95th percentile per-packet one-way delay: 56.870 ms

Loss rate: 0.00%

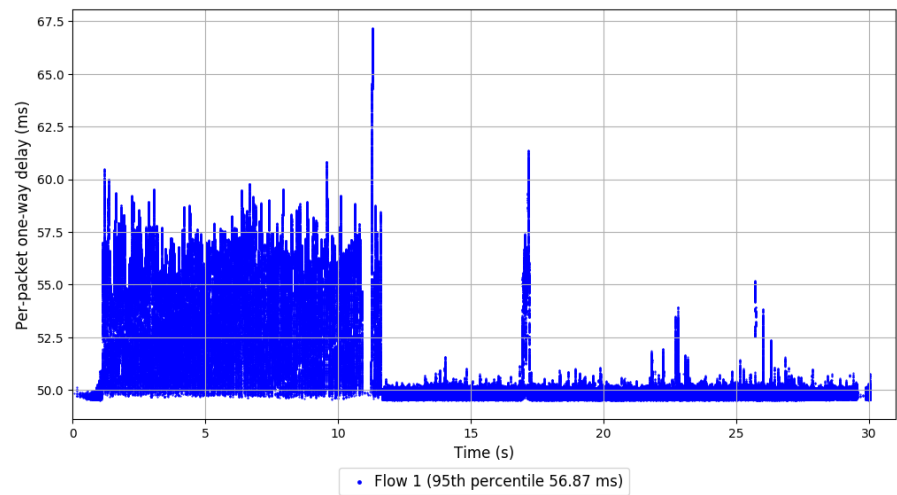
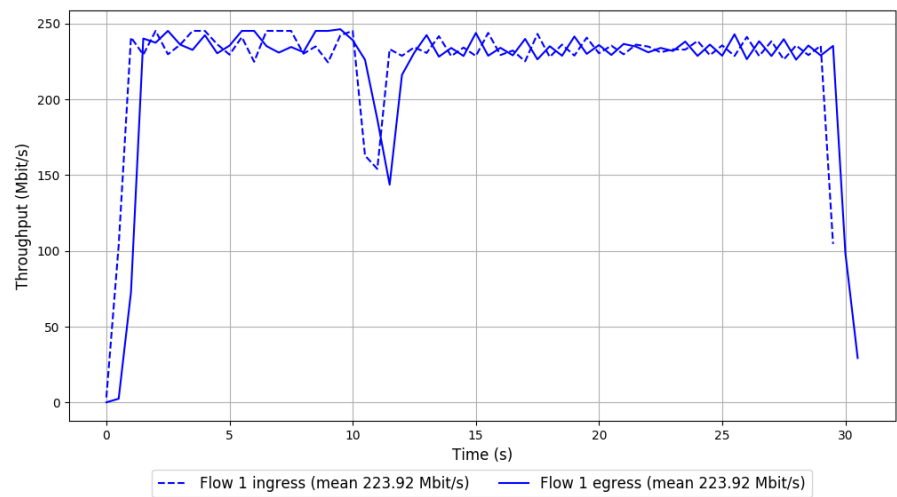
-- Flow 1:

Average throughput: 223.92 Mbit/s

95th percentile per-packet one-way delay: 56.870 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-20 05:46:02

End at: 2018-06-20 05:46:32

Local clock offset: 0.122 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-20 08:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.18 Mbit/s

95th percentile per-packet one-way delay: 59.017 ms

Loss rate: 0.00%

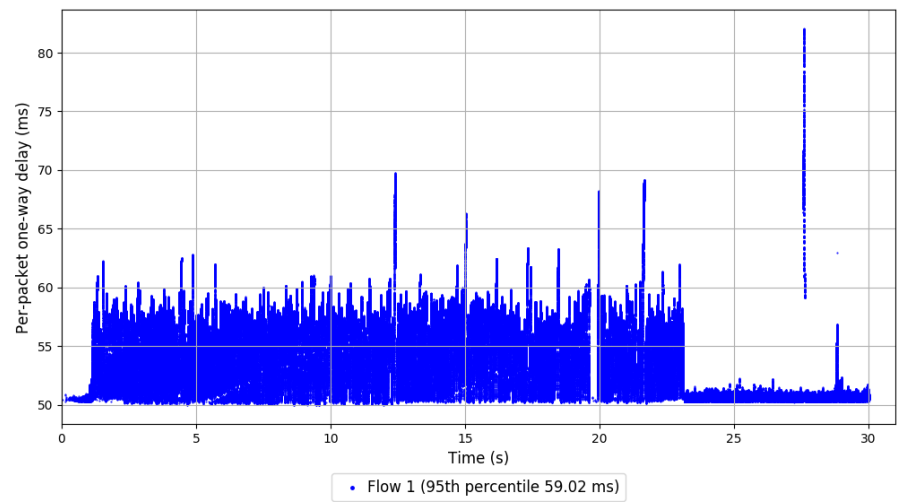
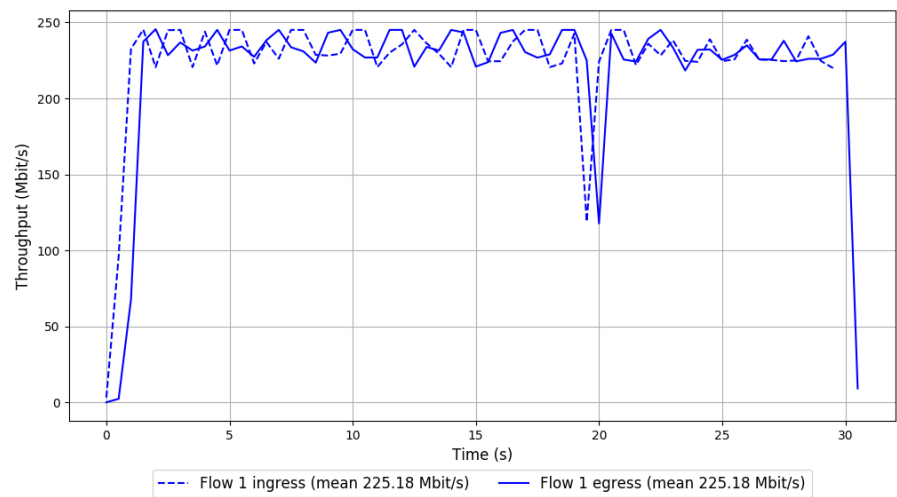
-- Flow 1:

Average throughput: 225.18 Mbit/s

95th percentile per-packet one-way delay: 59.017 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-20 06:06:47

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

Local clock offset: 0.04 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-20 08:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.50 Mbit/s

95th percentile per-packet one-way delay: 57.911 ms

Loss rate: 0.00%

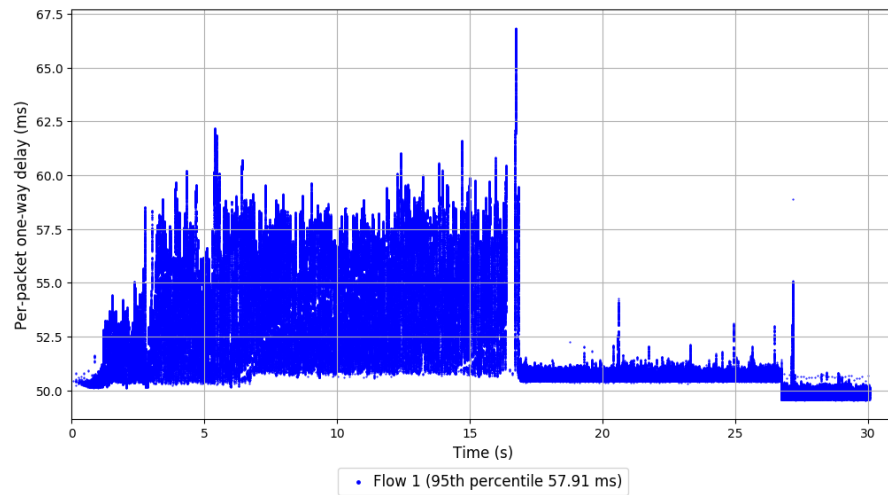
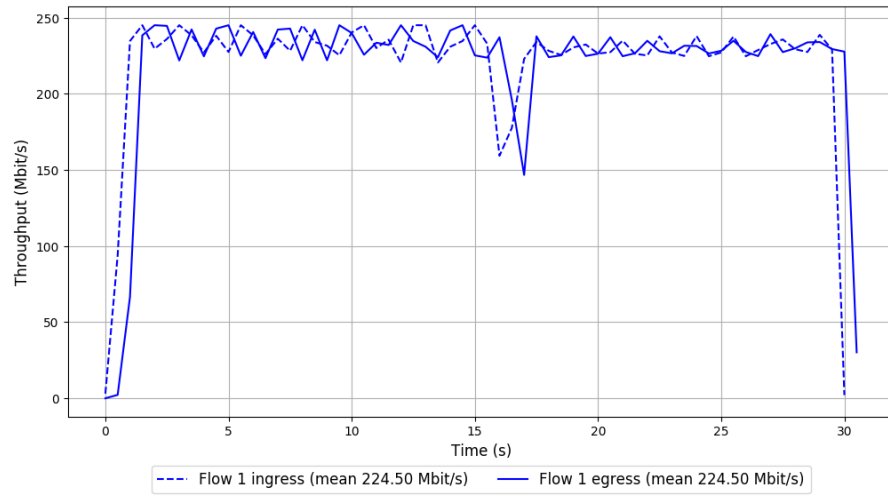
-- Flow 1:

Average throughput: 224.50 Mbit/s

95th percentile per-packet one-way delay: 57.911 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-20 06:27:33

End at: 2018-06-20 06:28:03

Local clock offset: 0.018 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-20 08:39:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.71 Mbit/s

95th percentile per-packet one-way delay: 58.095 ms

Loss rate: 0.00%

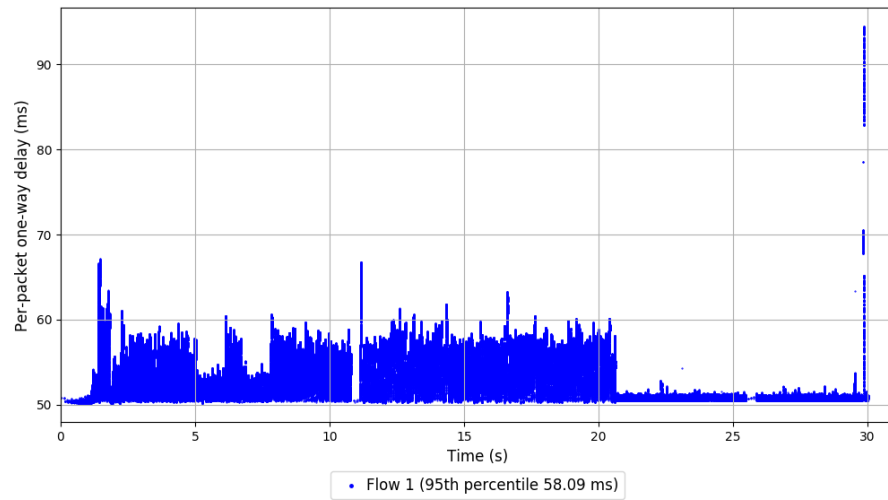
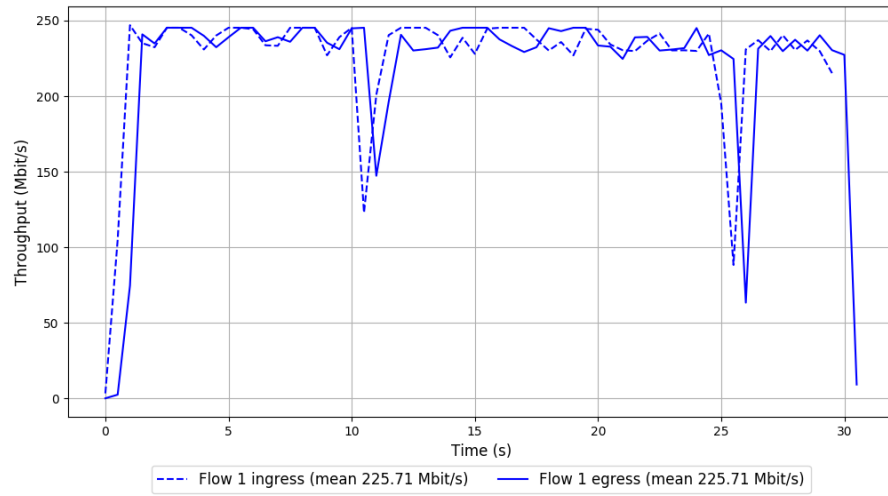
-- Flow 1:

Average throughput: 225.71 Mbit/s

95th percentile per-packet one-way delay: 58.095 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

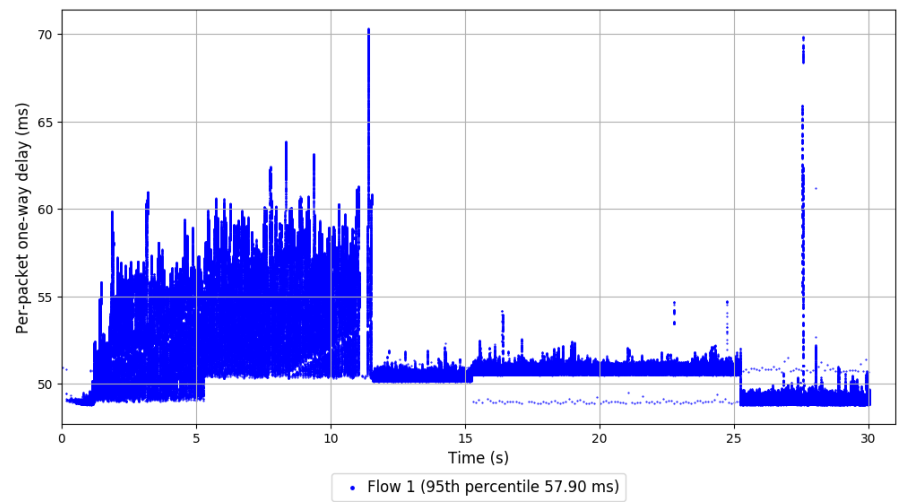
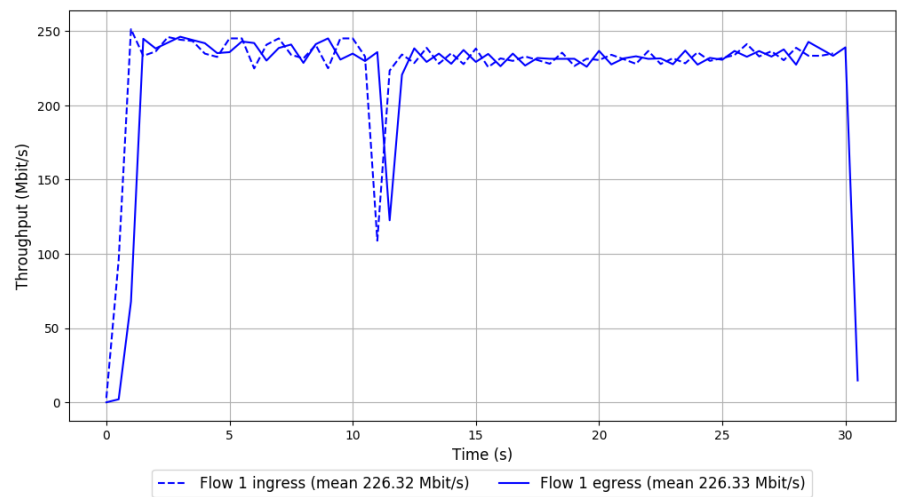


Run 6: Statistics of TCP BBR

Start at: 2018-06-20 06:48:19
End at: 2018-06-20 06:48:49
Local clock offset: -0.046 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-06-20 08:39:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.33 Mbit/s
95th percentile per-packet one-way delay: 57.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.33 Mbit/s
95th percentile per-packet one-way delay: 57.903 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

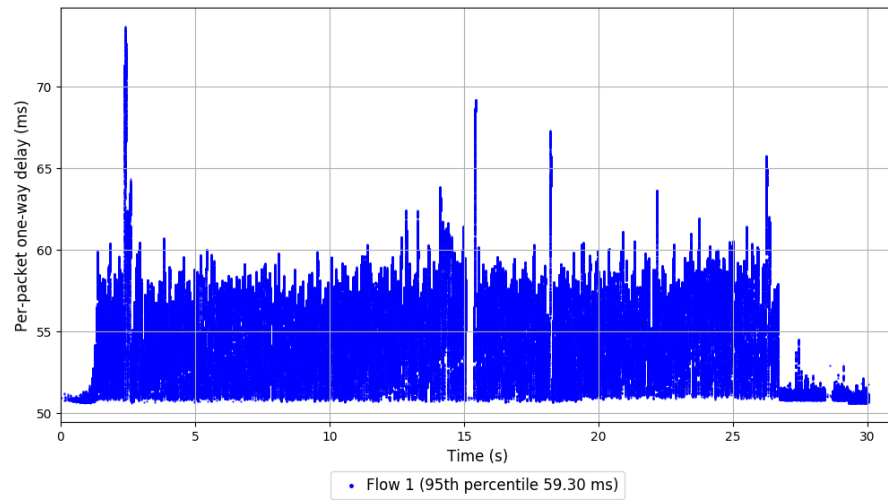
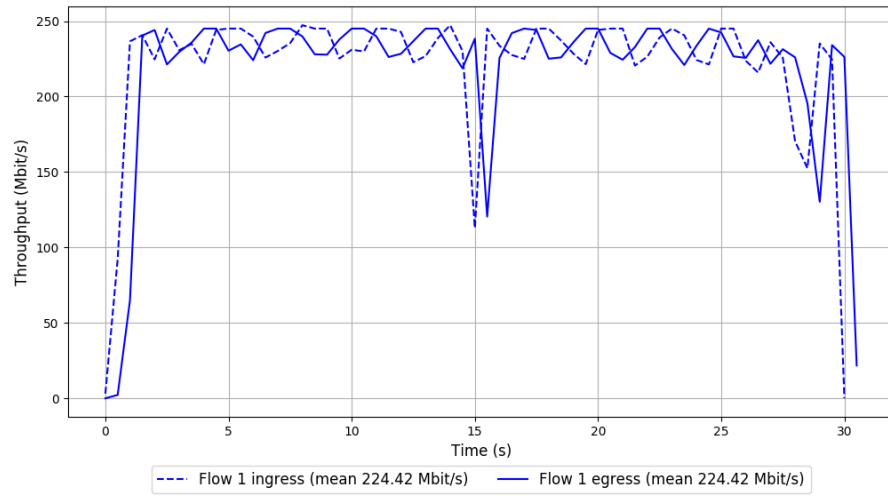


Run 7: Statistics of TCP BBR

Start at: 2018-06-20 07:08:45
End at: 2018-06-20 07:09:15
Local clock offset: -0.399 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-20 08:39:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.42 Mbit/s
95th percentile per-packet one-way delay: 59.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.42 Mbit/s
95th percentile per-packet one-way delay: 59.302 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-20 07:29:17

End at: 2018-06-20 07:29:47

Local clock offset: -0.286 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-06-20 08:39:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.72 Mbit/s

95th percentile per-packet one-way delay: 51.177 ms

Loss rate: 0.00%

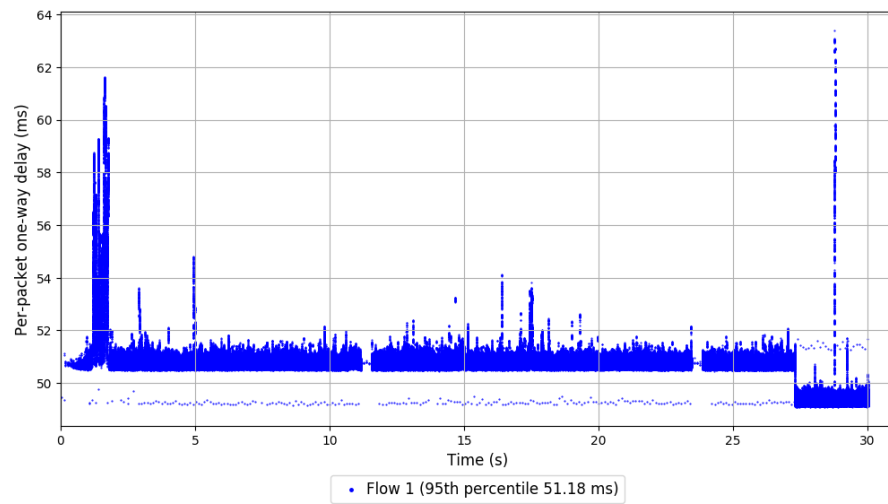
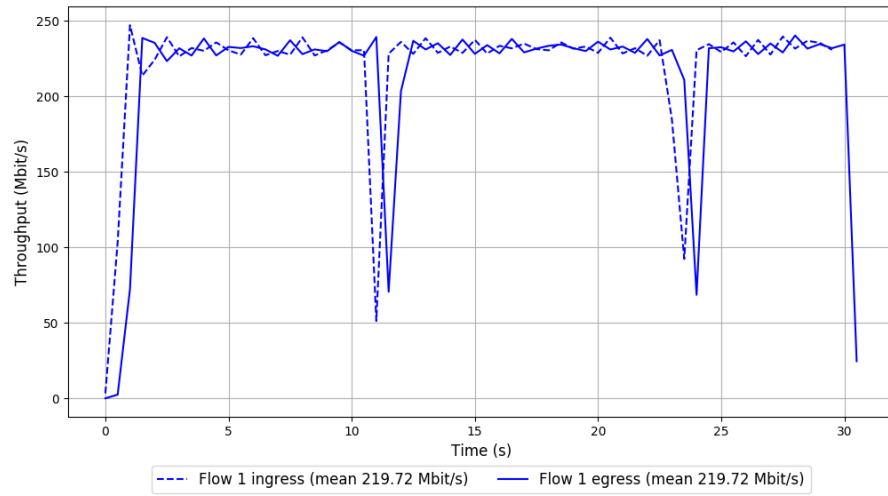
-- Flow 1:

Average throughput: 219.72 Mbit/s

95th percentile per-packet one-way delay: 51.177 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-20 07:50:00

End at: 2018-06-20 07:50:30

Local clock offset: -0.023 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-20 08:42:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.69 Mbit/s

95th percentile per-packet one-way delay: 51.094 ms

Loss rate: 0.00%

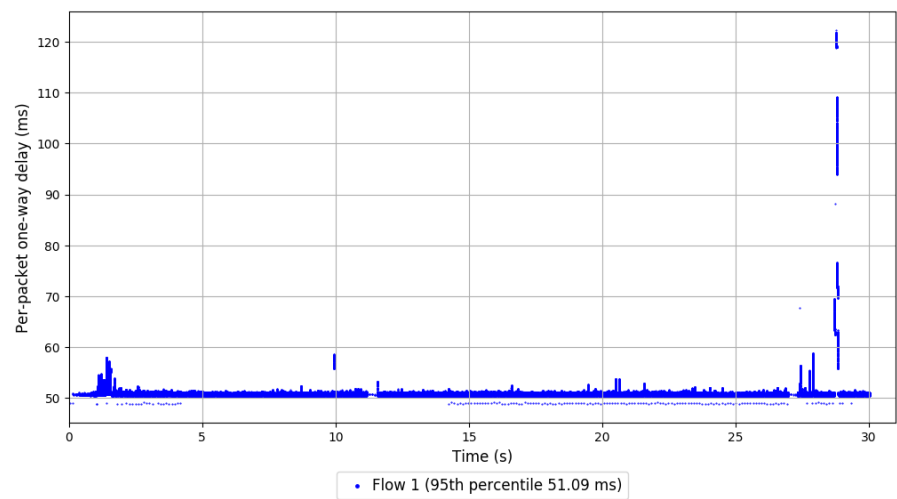
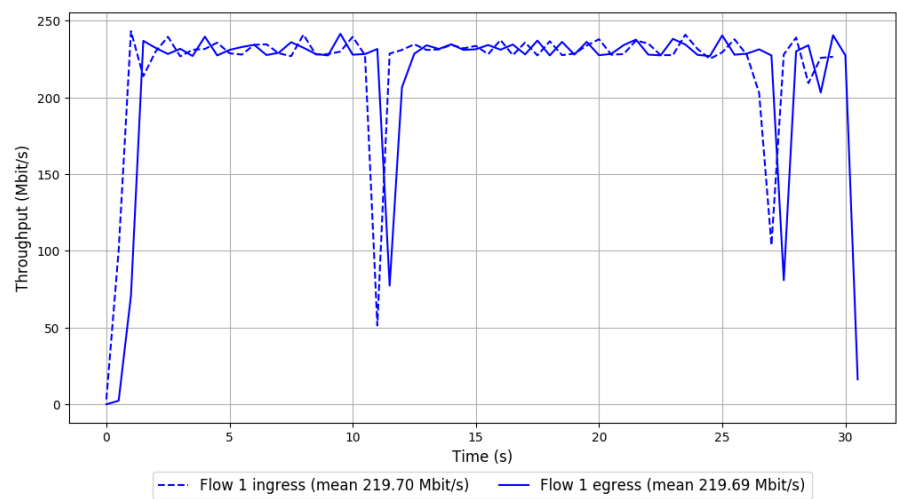
-- Flow 1:

Average throughput: 219.69 Mbit/s

95th percentile per-packet one-way delay: 51.094 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-20 08:10:38

End at: 2018-06-20 08:11:08

Local clock offset: -0.442 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-20 08:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.25 Mbit/s

95th percentile per-packet one-way delay: 58.338 ms

Loss rate: 0.00%

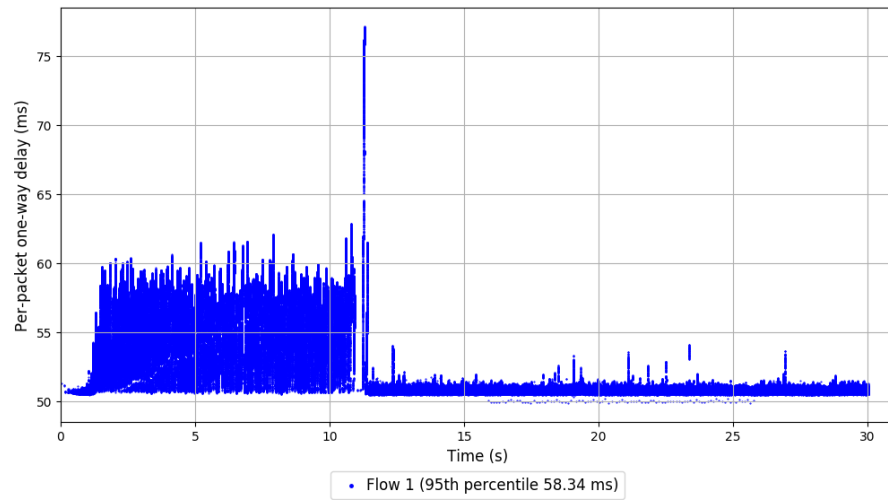
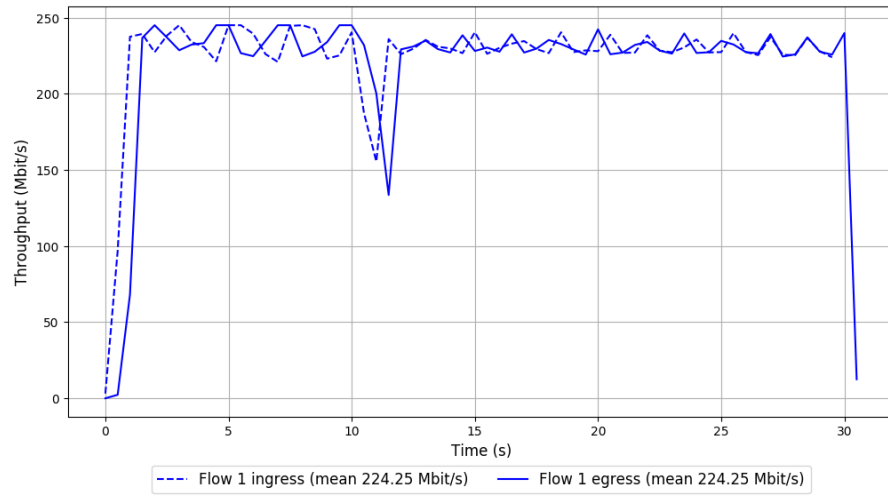
-- Flow 1:

Average throughput: 224.25 Mbit/s

95th percentile per-packet one-way delay: 58.338 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-20 05:08:23

End at: 2018-06-20 05:08:53

Local clock offset: 0.068 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-20 08:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.82 Mbit/s

95th percentile per-packet one-way delay: 56.486 ms

Loss rate: 0.00%

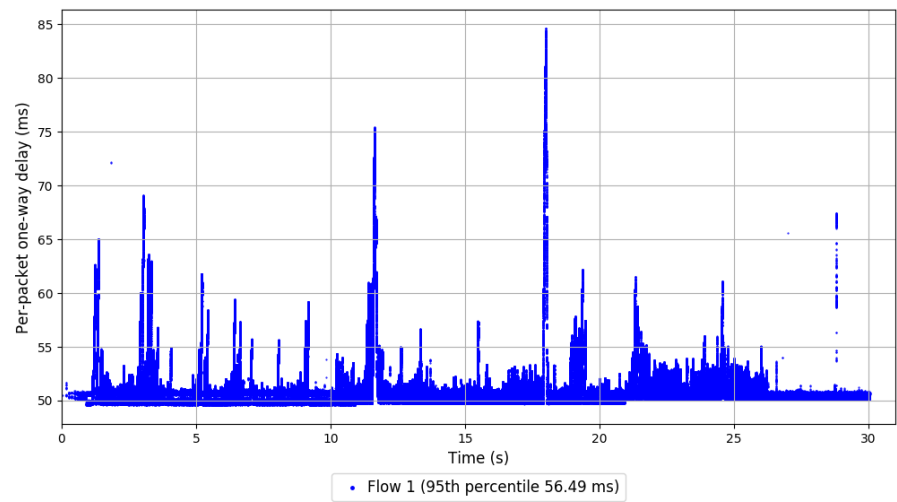
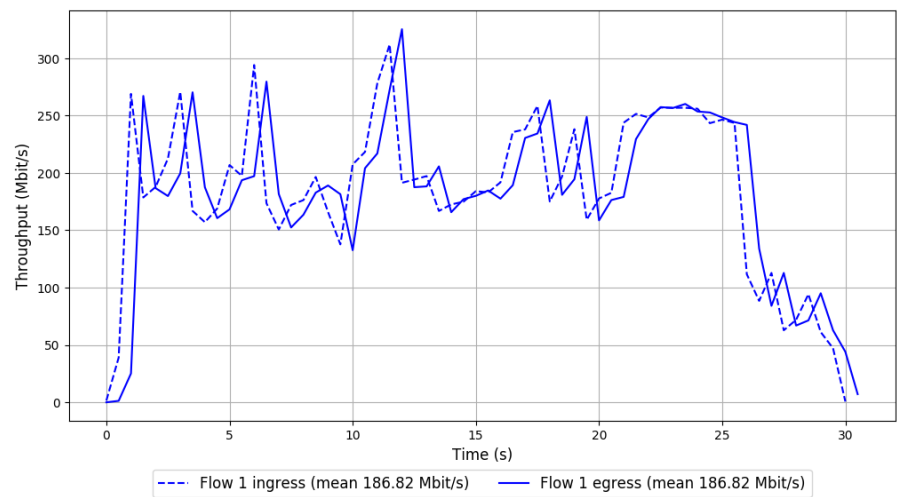
-- Flow 1:

Average throughput: 186.82 Mbit/s

95th percentile per-packet one-way delay: 56.486 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-20 05:29:06

End at: 2018-06-20 05:29:36

Local clock offset: 0.096 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-20 08:46:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.56 Mbit/s

95th percentile per-packet one-way delay: 55.124 ms

Loss rate: 0.00%

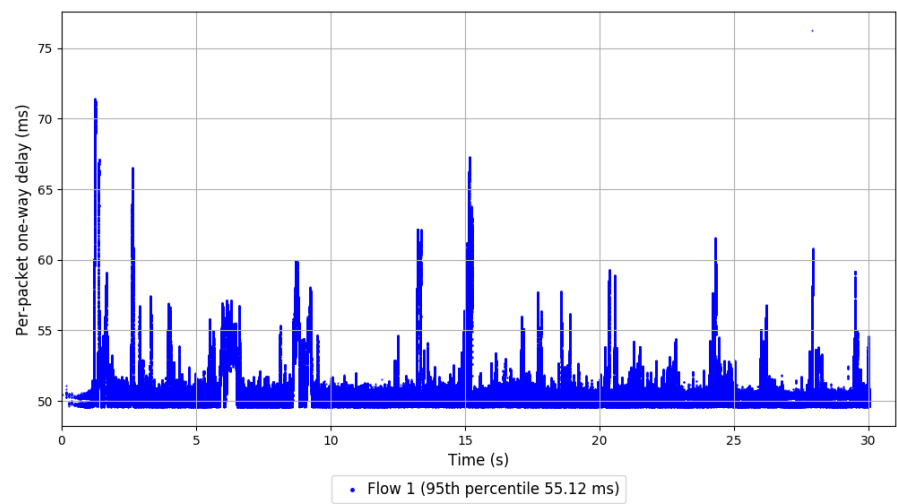
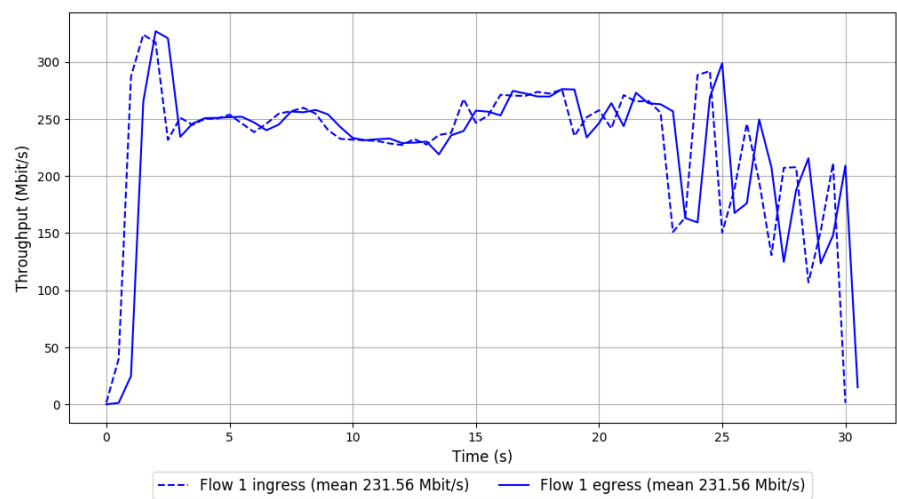
-- Flow 1:

Average throughput: 231.56 Mbit/s

95th percentile per-packet one-way delay: 55.124 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-20 05:49:45

End at: 2018-06-20 05:50:15

Local clock offset: 0.14 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-20 08:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.47 Mbit/s

95th percentile per-packet one-way delay: 56.858 ms

Loss rate: 0.00%

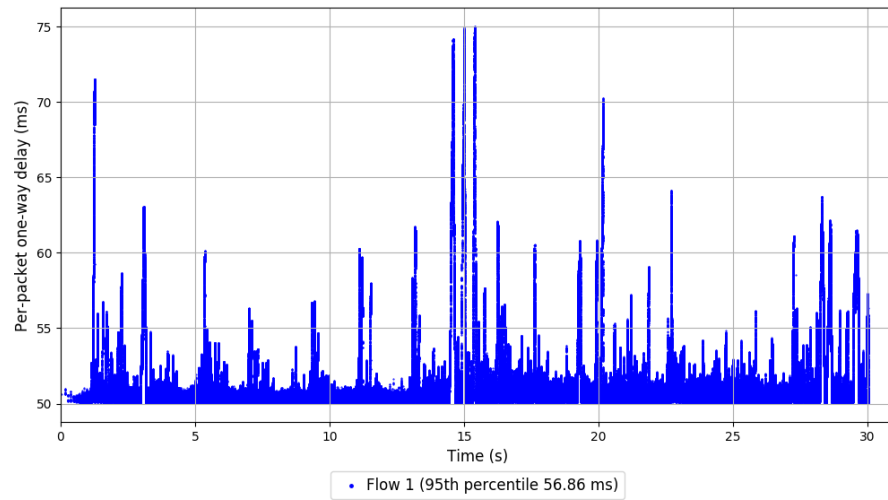
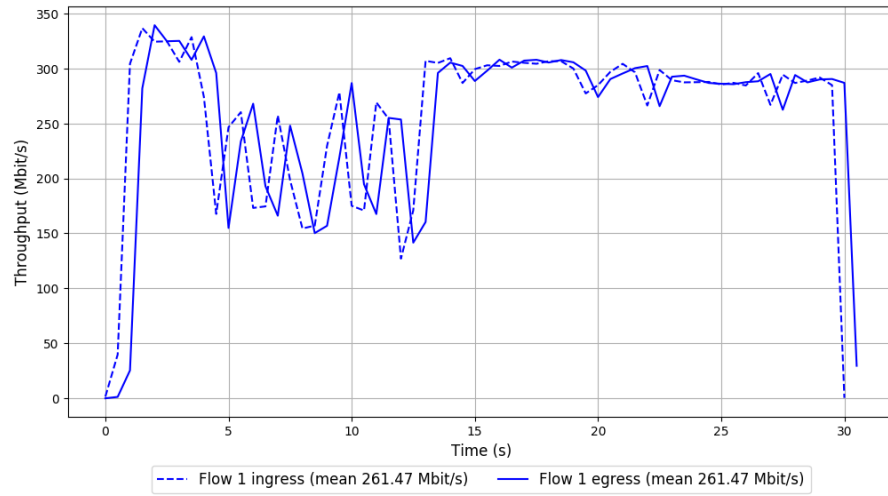
-- Flow 1:

Average throughput: 261.47 Mbit/s

95th percentile per-packet one-way delay: 56.858 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-20 06:10:31

End at: 2018-06-20 06:11:01

Local clock offset: 0.397 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-06-20 08:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.08 Mbit/s

95th percentile per-packet one-way delay: 55.425 ms

Loss rate: 0.00%

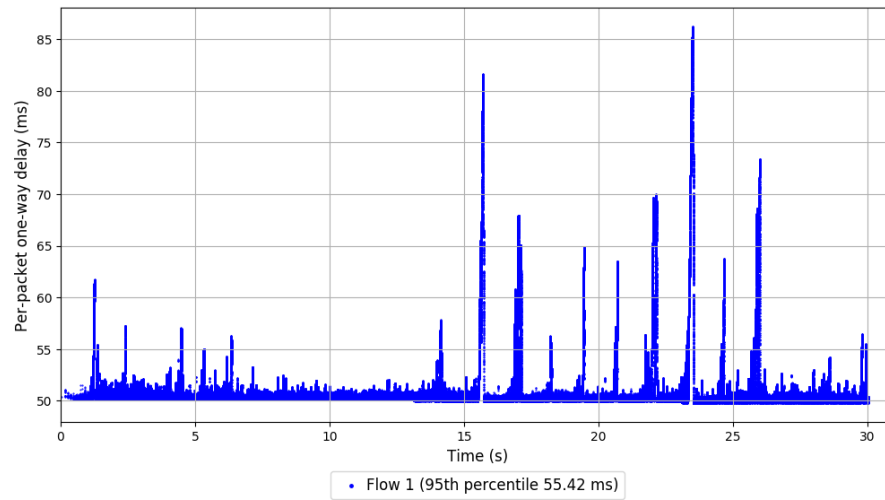
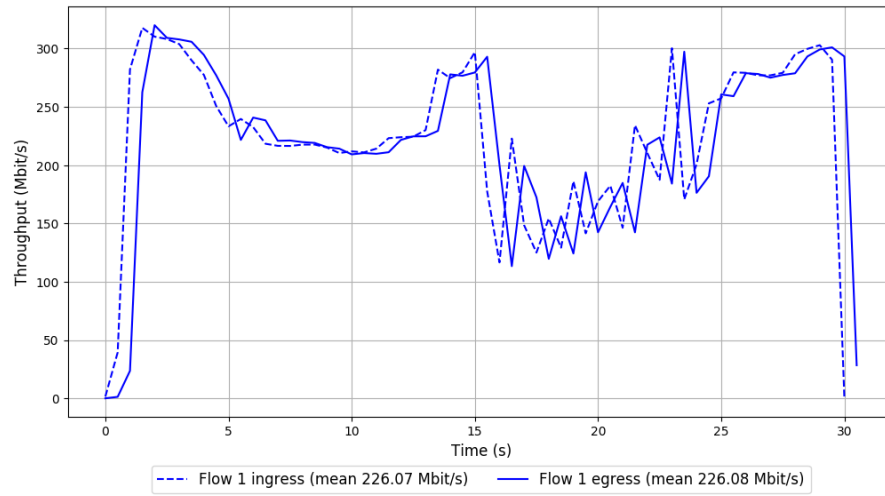
-- Flow 1:

Average throughput: 226.08 Mbit/s

95th percentile per-packet one-way delay: 55.425 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-20 06:31:16

End at: 2018-06-20 06:31:46

Local clock offset: -0.02 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-20 08:47:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.66 Mbit/s

95th percentile per-packet one-way delay: 54.156 ms

Loss rate: 0.00%

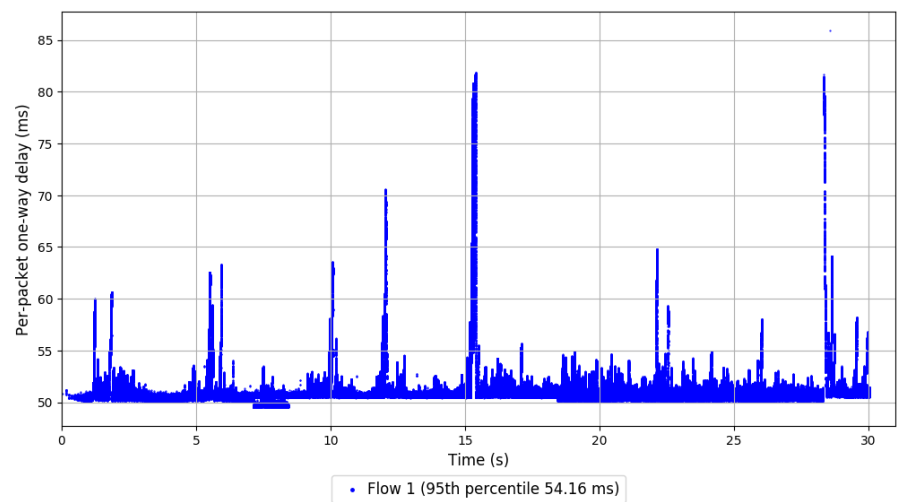
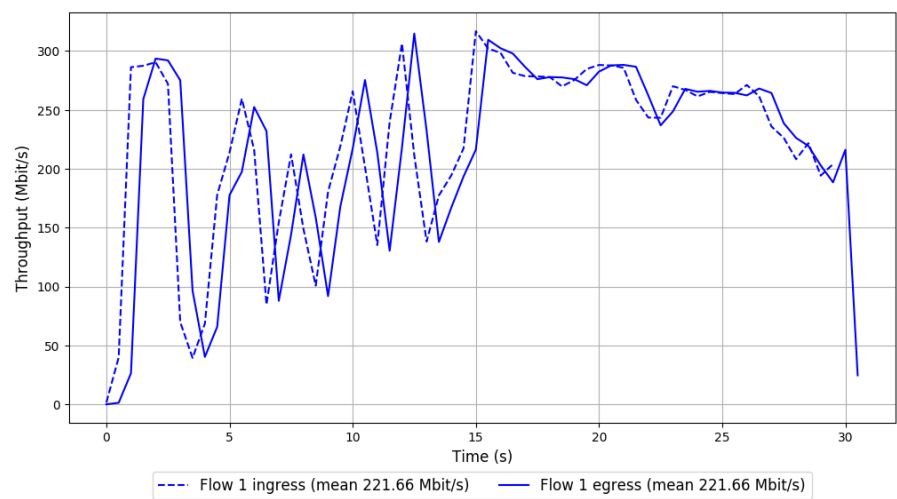
-- Flow 1:

Average throughput: 221.66 Mbit/s

95th percentile per-packet one-way delay: 54.156 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

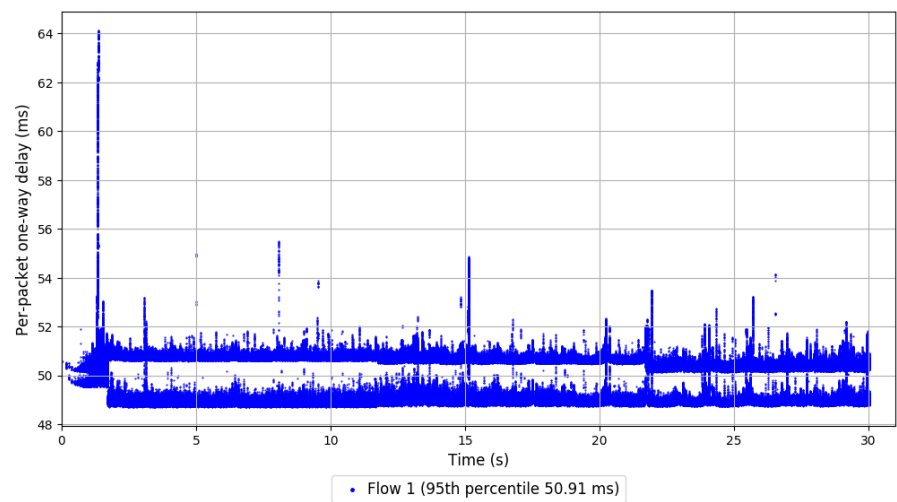
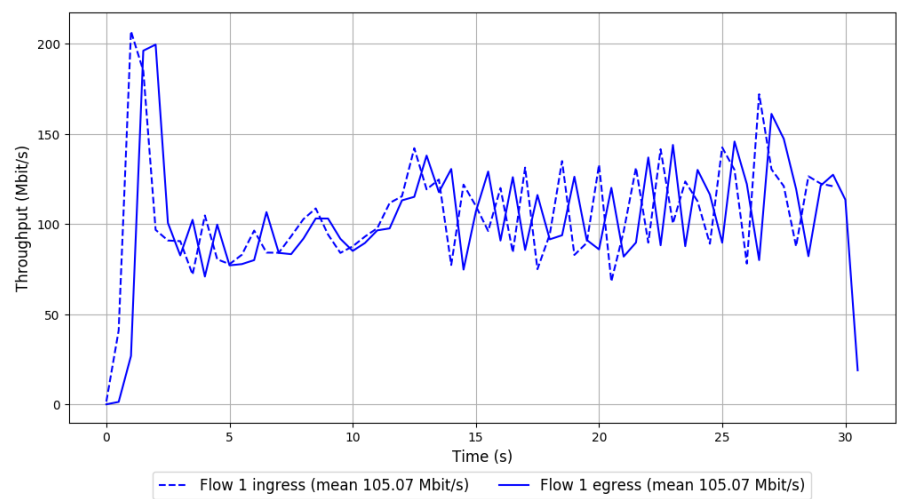


Run 6: Statistics of Copa

Start at: 2018-06-20 06:52:02
End at: 2018-06-20 06:52:32
Local clock offset: -0.058 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-06-20 08:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.07 Mbit/s
95th percentile per-packet one-way delay: 50.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.07 Mbit/s
95th percentile per-packet one-way delay: 50.914 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

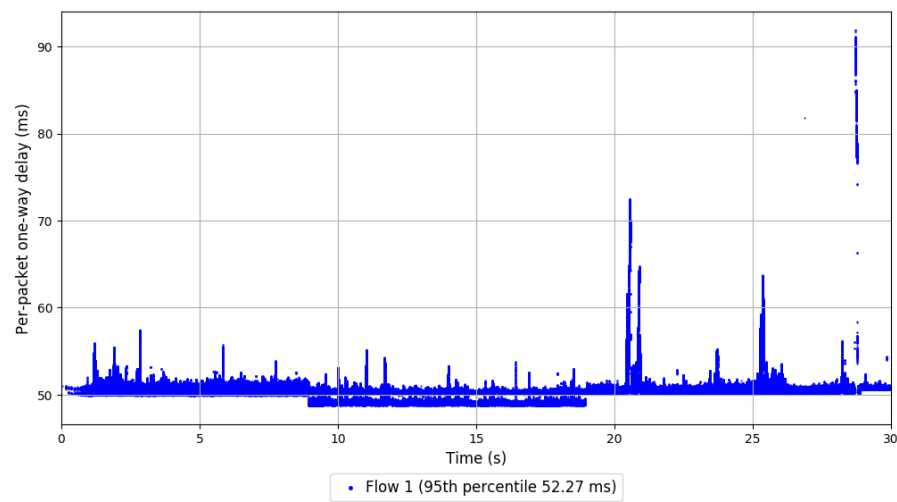
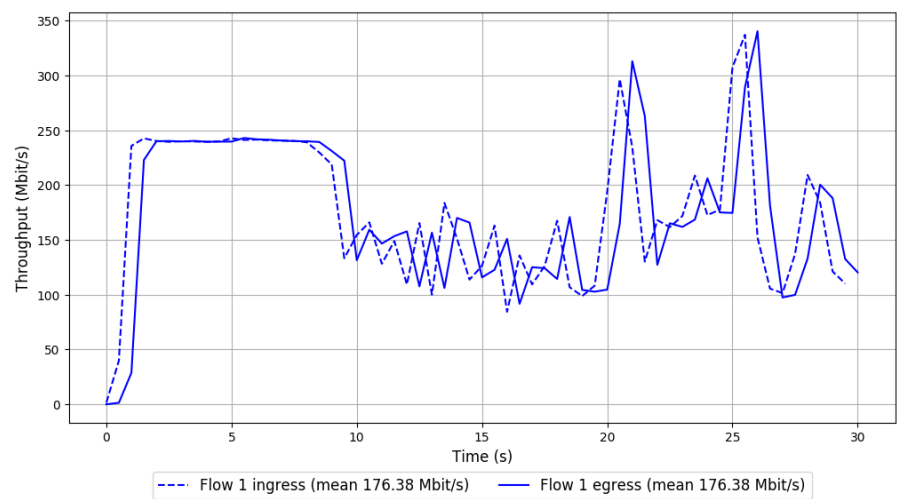


Run 7: Statistics of Copa

Start at: 2018-06-20 07:12:25
End at: 2018-06-20 07:12:55
Local clock offset: 0.034 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-20 08:48:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.38 Mbit/s
95th percentile per-packet one-way delay: 52.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.38 Mbit/s
95th percentile per-packet one-way delay: 52.274 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-20 07:33:00

End at: 2018-06-20 07:33:30

Local clock offset: -0.341 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-06-20 08:49:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.83 Mbit/s

95th percentile per-packet one-way delay: 55.213 ms

Loss rate: 0.02%

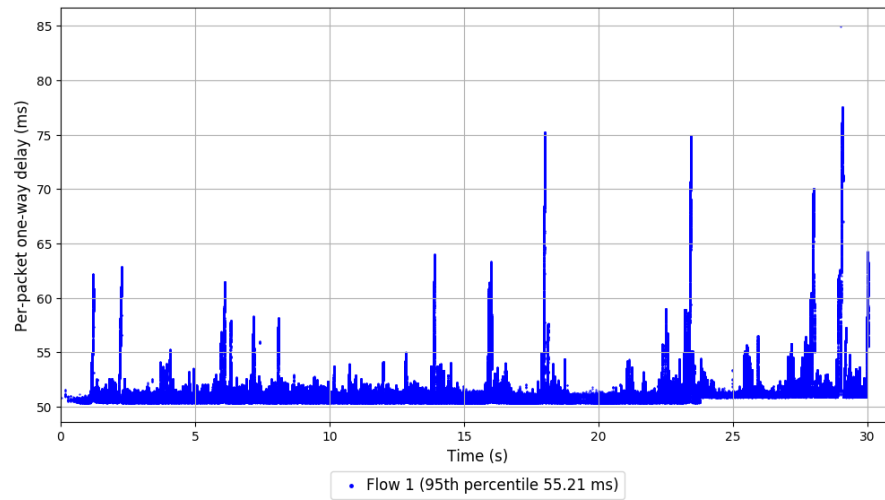
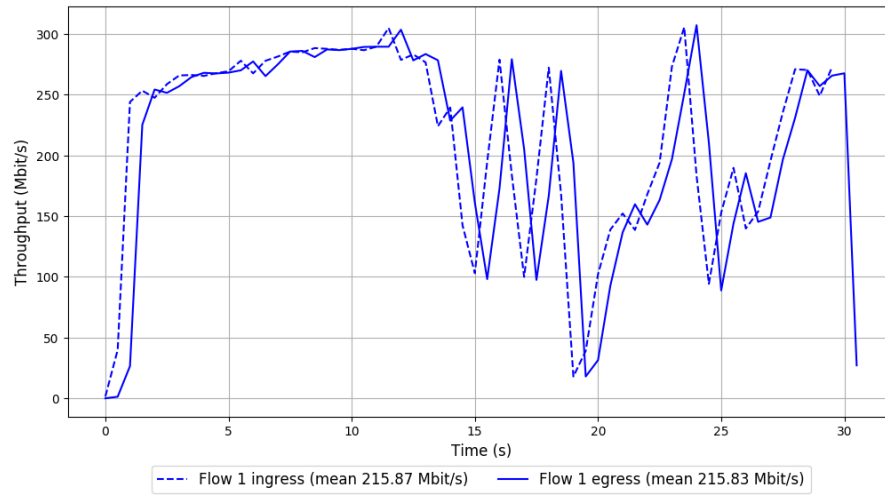
-- Flow 1:

Average throughput: 215.83 Mbit/s

95th percentile per-packet one-way delay: 55.213 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-20 07:53:45

End at: 2018-06-20 07:54:15

Local clock offset: -0.031 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-20 08:49:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.05 Mbit/s

95th percentile per-packet one-way delay: 52.206 ms

Loss rate: 0.00%

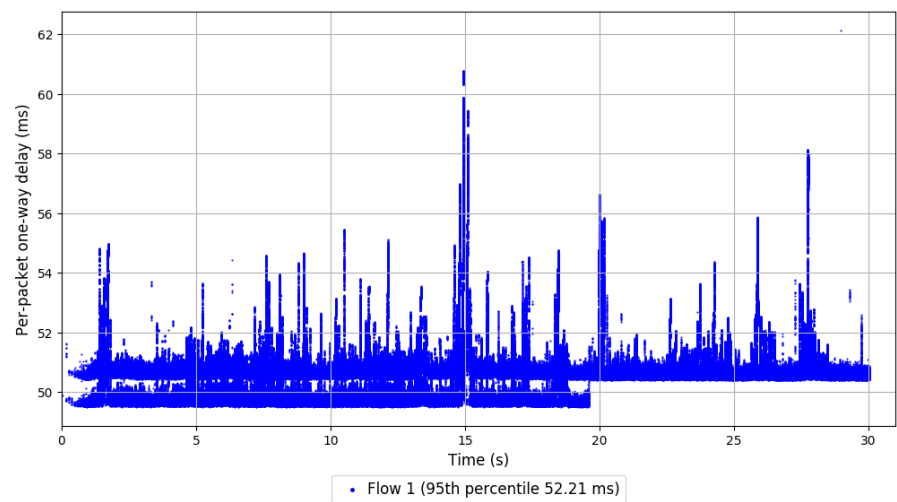
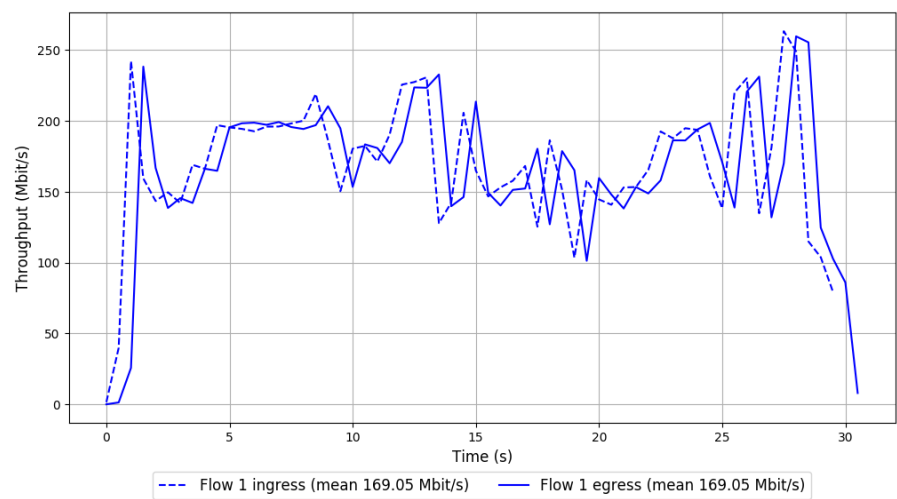
-- Flow 1:

Average throughput: 169.05 Mbit/s

95th percentile per-packet one-way delay: 52.206 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-20 08:14:20

End at: 2018-06-20 08:14:50

Local clock offset: -0.126 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-20 08:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.09 Mbit/s

95th percentile per-packet one-way delay: 58.864 ms

Loss rate: 0.00%

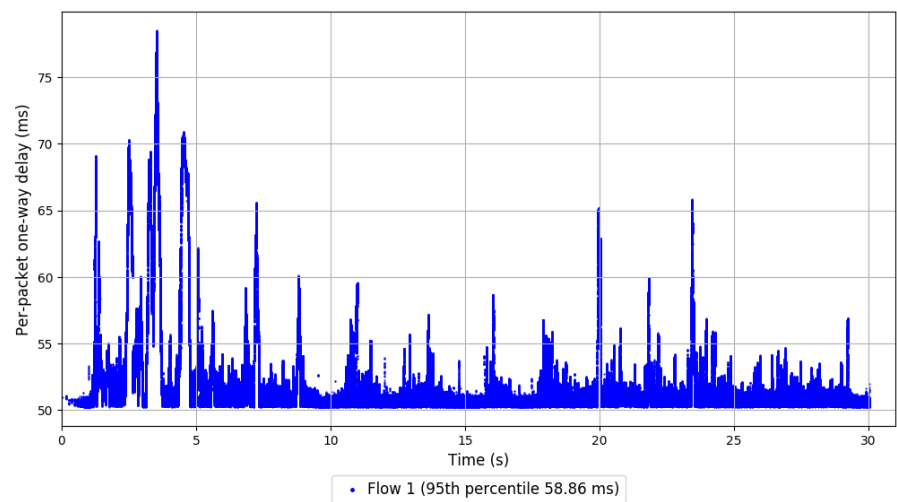
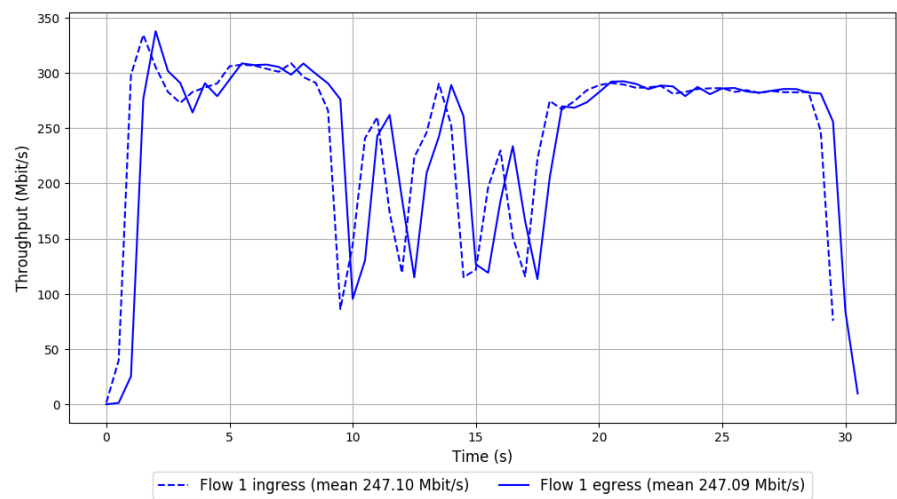
-- Flow 1:

Average throughput: 247.09 Mbit/s

95th percentile per-packet one-way delay: 58.864 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

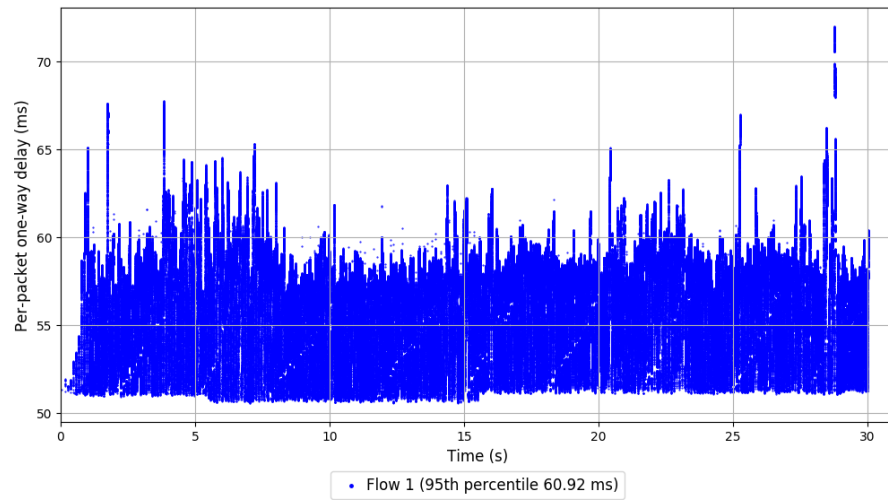
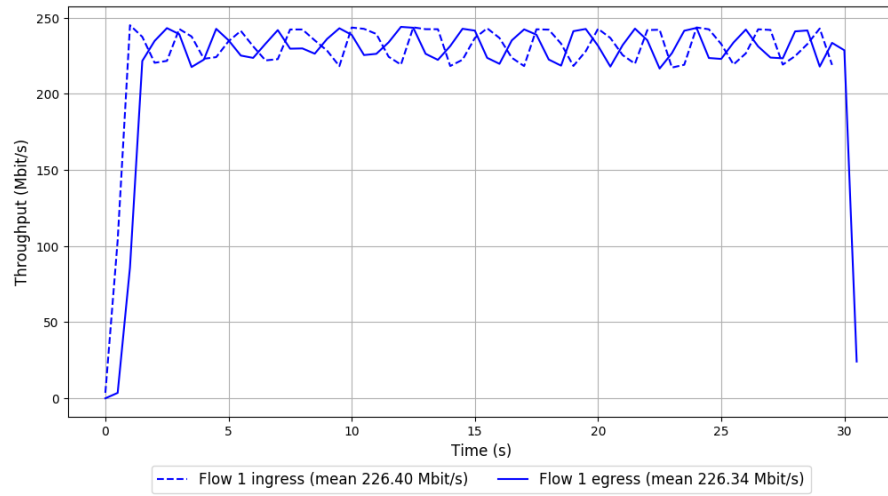


Run 1: Statistics of TCP Cubic

Start at: 2018-06-20 04:57:39
End at: 2018-06-20 04:58:09
Local clock offset: -0.34 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-20 08:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.34 Mbit/s
95th percentile per-packet one-way delay: 60.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.34 Mbit/s
95th percentile per-packet one-way delay: 60.925 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

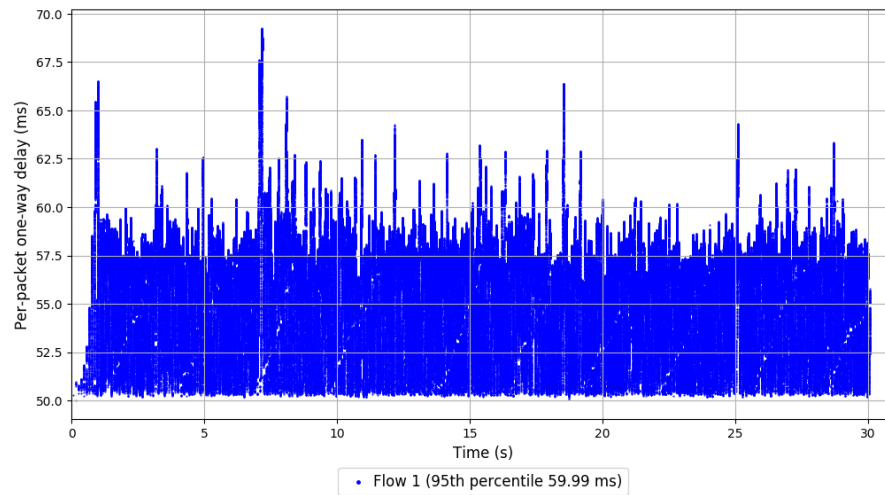
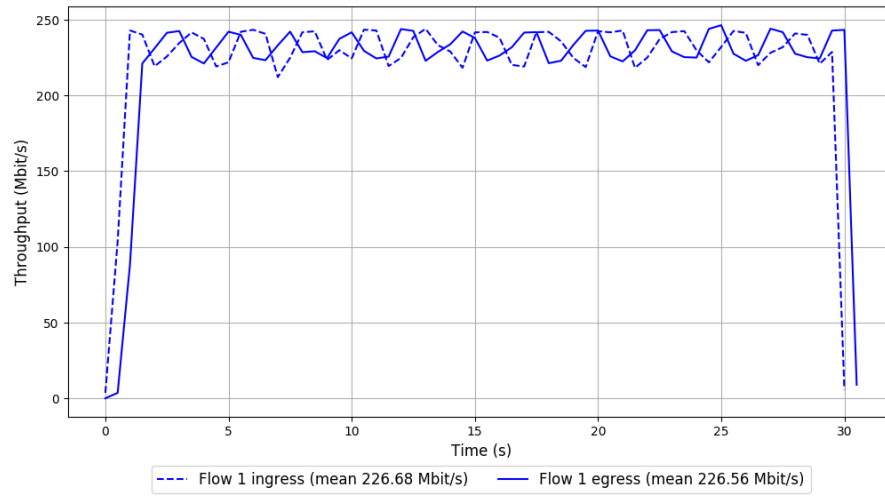


Run 2: Statistics of TCP Cubic

Start at: 2018-06-20 05:18:29
End at: 2018-06-20 05:18:59
Local clock offset: 0.133 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-20 08:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.56 Mbit/s
95th percentile per-packet one-way delay: 59.989 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 226.56 Mbit/s
95th percentile per-packet one-way delay: 59.989 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

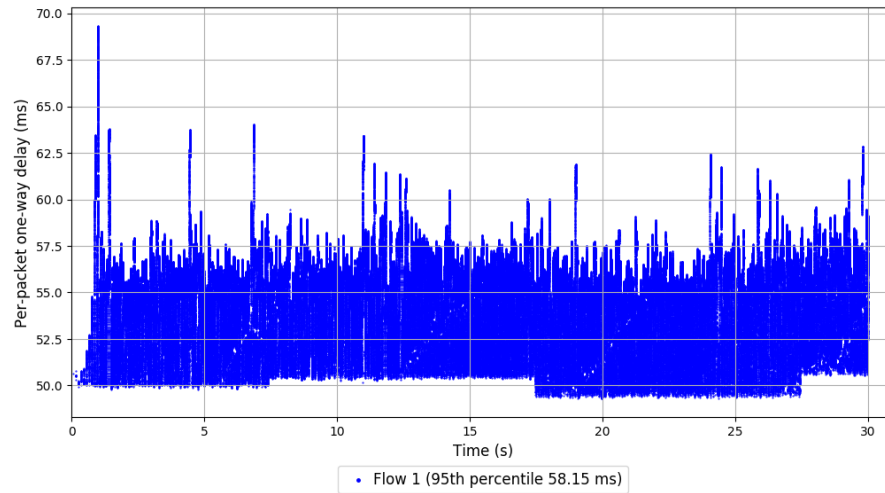
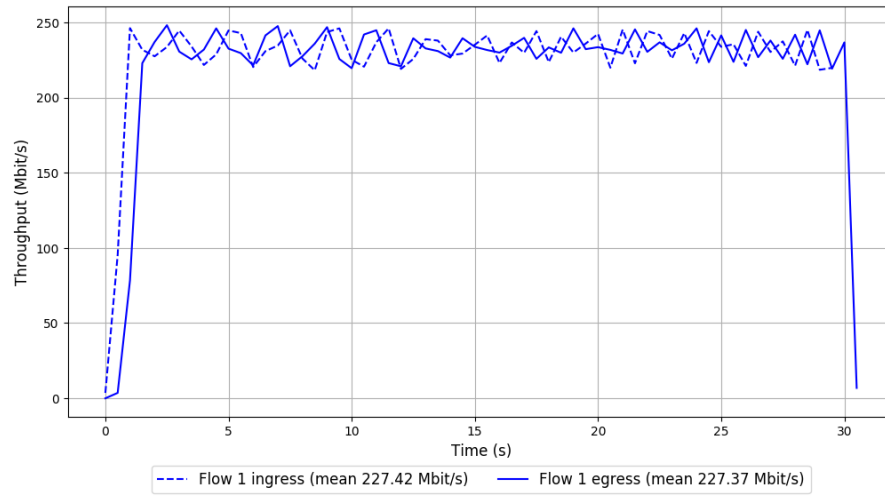


Run 3: Statistics of TCP Cubic

Start at: 2018-06-20 05:39:07
End at: 2018-06-20 05:39:37
Local clock offset: 0.455 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-20 08:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.37 Mbit/s
95th percentile per-packet one-way delay: 58.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.37 Mbit/s
95th percentile per-packet one-way delay: 58.151 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-20 05:59:53

End at: 2018-06-20 06:00:23

Local clock offset: 0.087 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-20 08:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.41 Mbit/s

95th percentile per-packet one-way delay: 60.489 ms

Loss rate: 0.00%

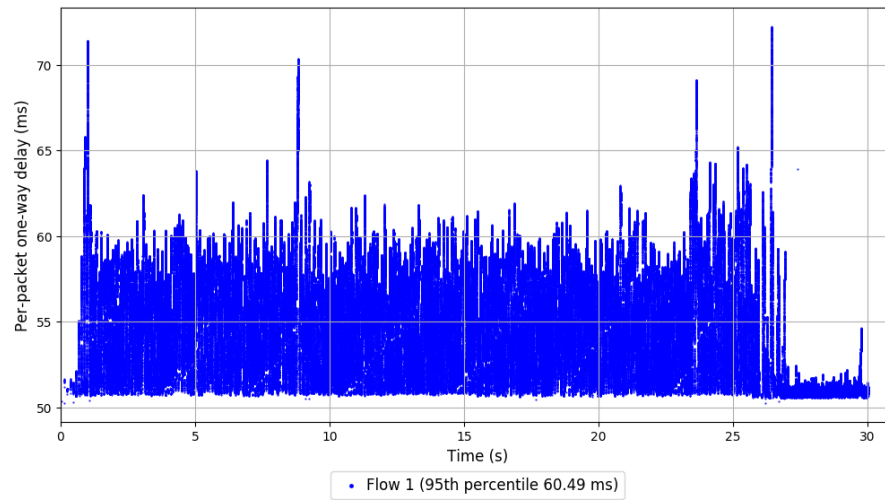
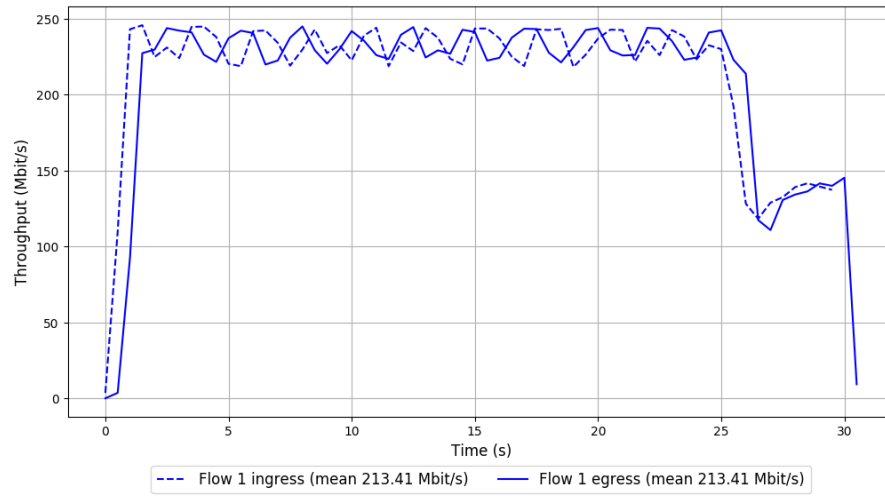
-- Flow 1:

Average throughput: 213.41 Mbit/s

95th percentile per-packet one-way delay: 60.489 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-20 06:20:36

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

Local clock offset: 0.027 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-20 08:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.18 Mbit/s

95th percentile per-packet one-way delay: 60.192 ms

Loss rate: 0.00%

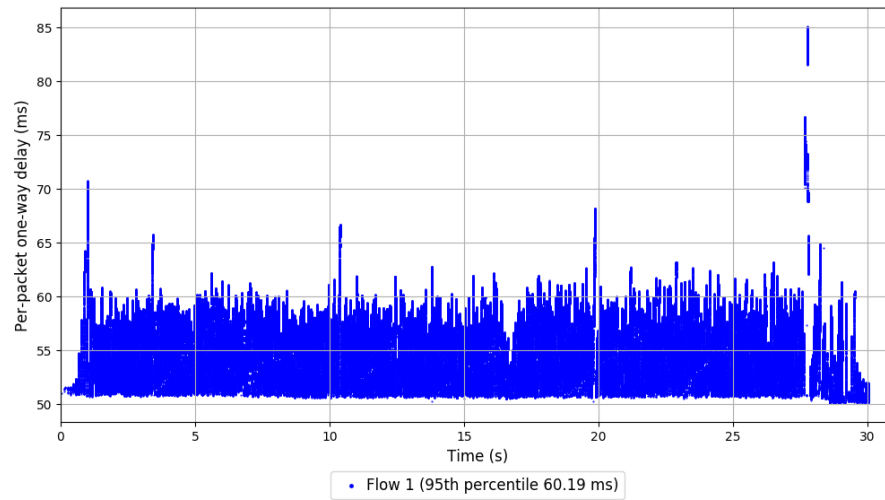
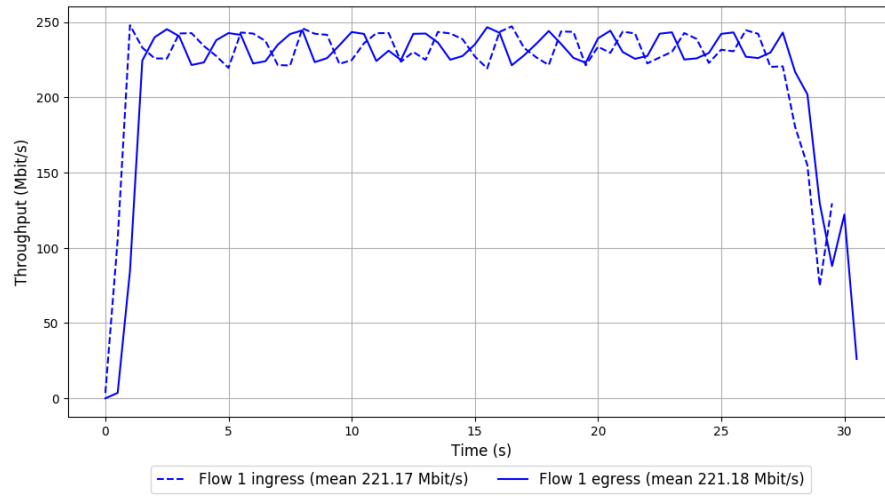
-- Flow 1:

Average throughput: 221.18 Mbit/s

95th percentile per-packet one-way delay: 60.192 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

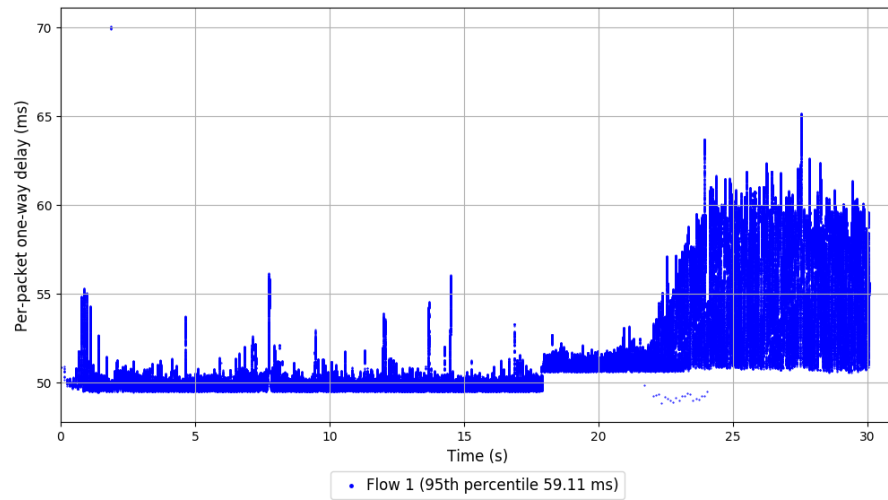
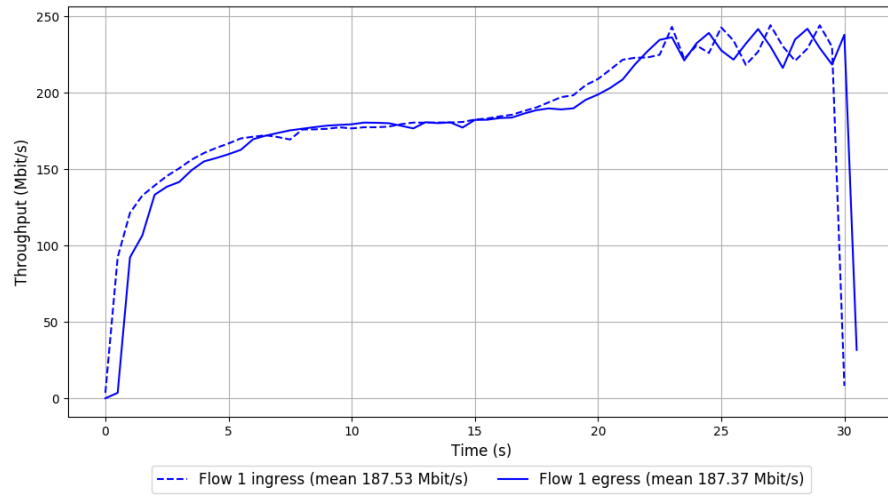


Run 6: Statistics of TCP Cubic

Start at: 2018-06-20 06:41:26
End at: 2018-06-20 06:41:56
Local clock offset: -0.024 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-20 08:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.37 Mbit/s
95th percentile per-packet one-way delay: 59.108 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 187.37 Mbit/s
95th percentile per-packet one-way delay: 59.108 ms
Loss rate: 0.09%

Run 6: Report of TCP Cubic — Data Link

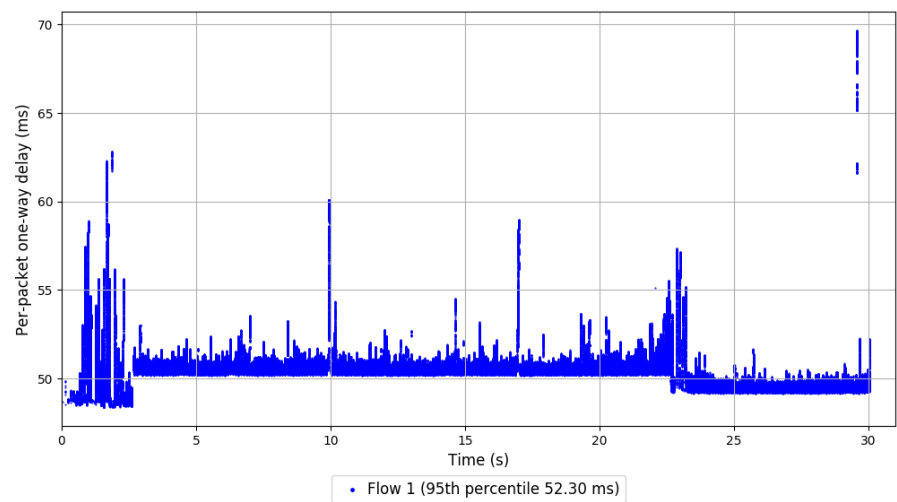
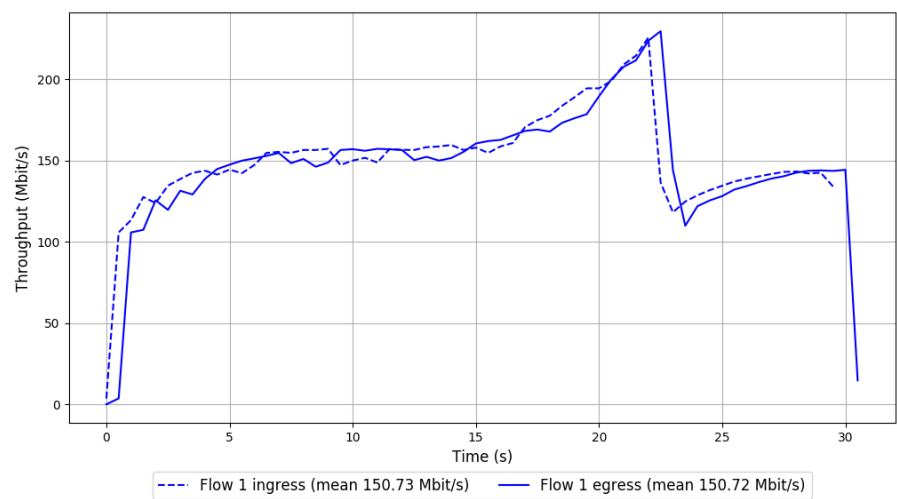


Run 7: Statistics of TCP Cubic

Start at: 2018-06-20 07:01:51
End at: 2018-06-20 07:02:21
Local clock offset: 0.348 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-20 08:53:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.72 Mbit/s
95th percentile per-packet one-way delay: 52.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.72 Mbit/s
95th percentile per-packet one-way delay: 52.295 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-20 07:22:24

End at: 2018-06-20 07:22:54

Local clock offset: 0.014 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-20 08:53:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.11 Mbit/s

95th percentile per-packet one-way delay: 59.579 ms

Loss rate: 0.00%

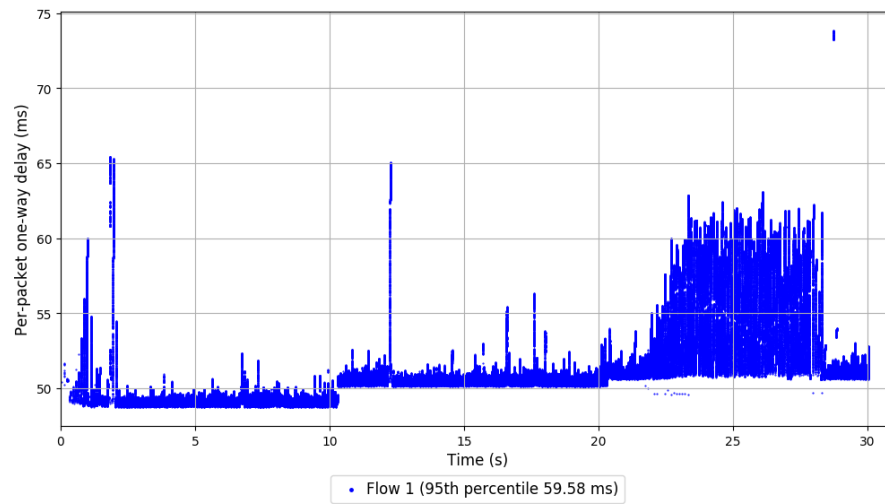
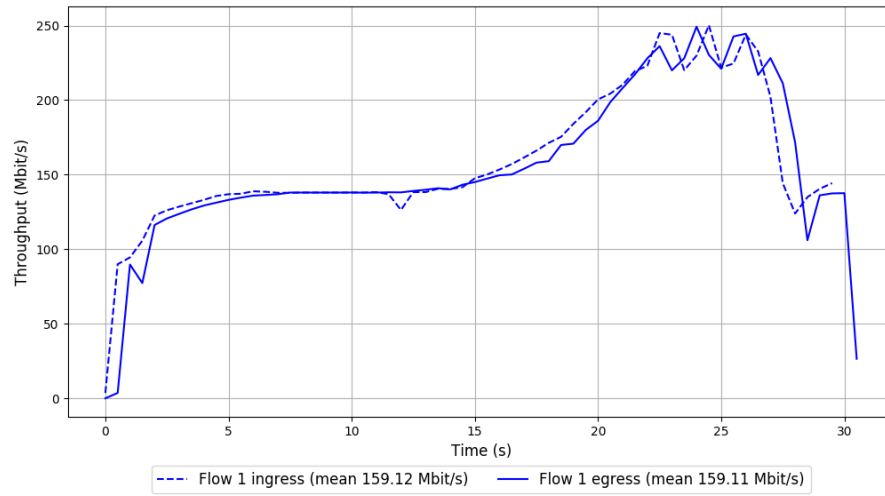
-- Flow 1:

Average throughput: 159.11 Mbit/s

95th percentile per-packet one-way delay: 59.579 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

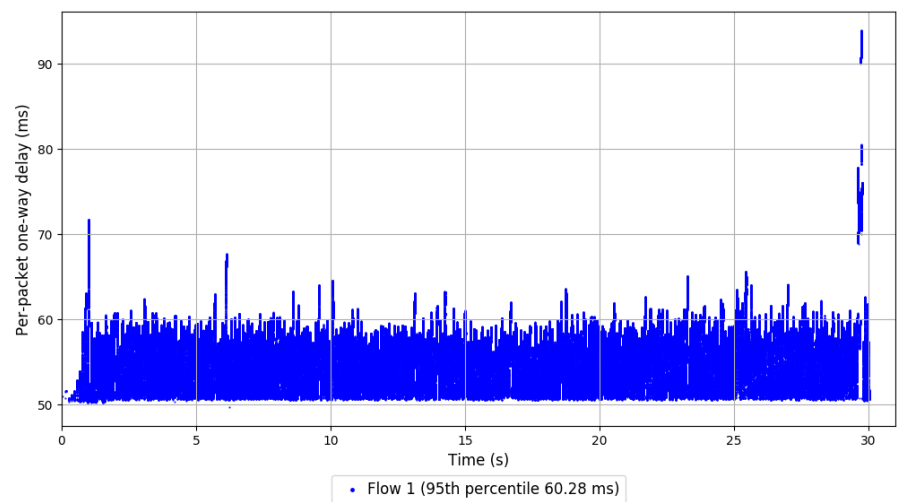
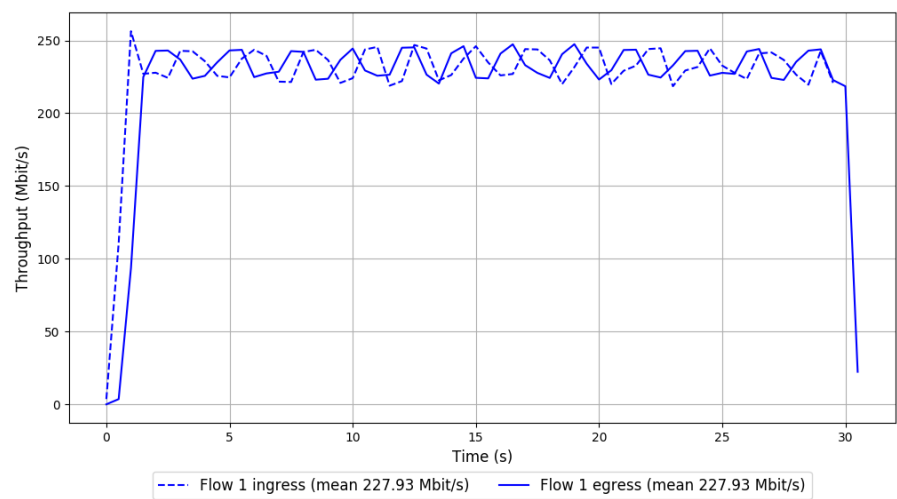


Run 9: Statistics of TCP Cubic

Start at: 2018-06-20 07:43:03
End at: 2018-06-20 07:43:33
Local clock offset: -0.002 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-20 08:54:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.93 Mbit/s
95th percentile per-packet one-way delay: 60.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.93 Mbit/s
95th percentile per-packet one-way delay: 60.283 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-20 08:03:39

End at: 2018-06-20 08:04:09

Local clock offset: -0.066 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-06-20 08:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.89 Mbit/s

95th percentile per-packet one-way delay: 58.824 ms

Loss rate: 0.08%

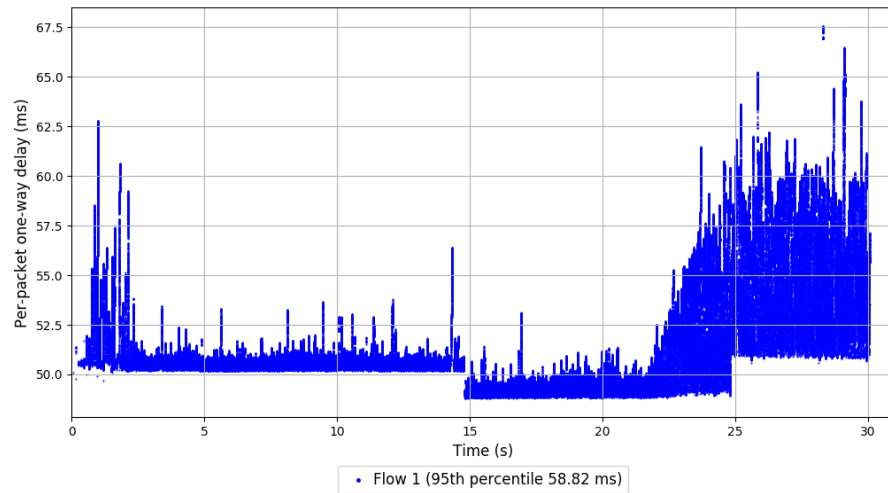
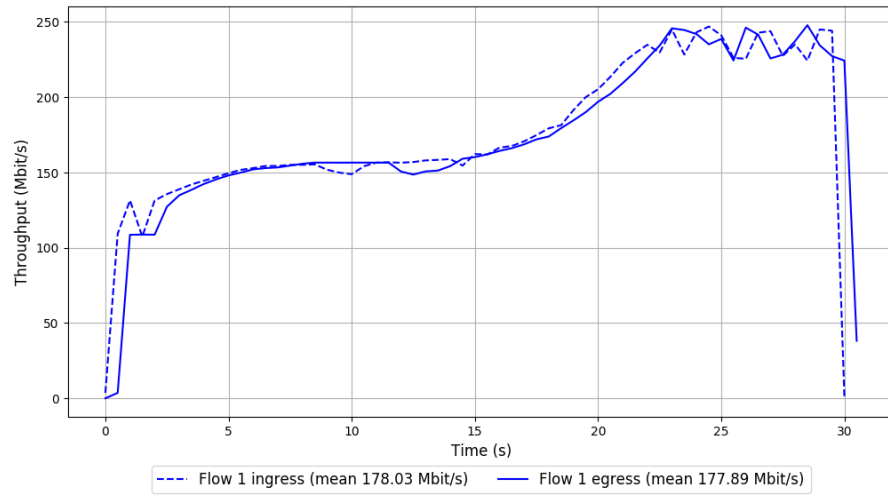
-- Flow 1:

Average throughput: 177.89 Mbit/s

95th percentile per-packet one-way delay: 58.824 ms

Loss rate: 0.08%

Run 10: Report of TCP Cubic — Data Link

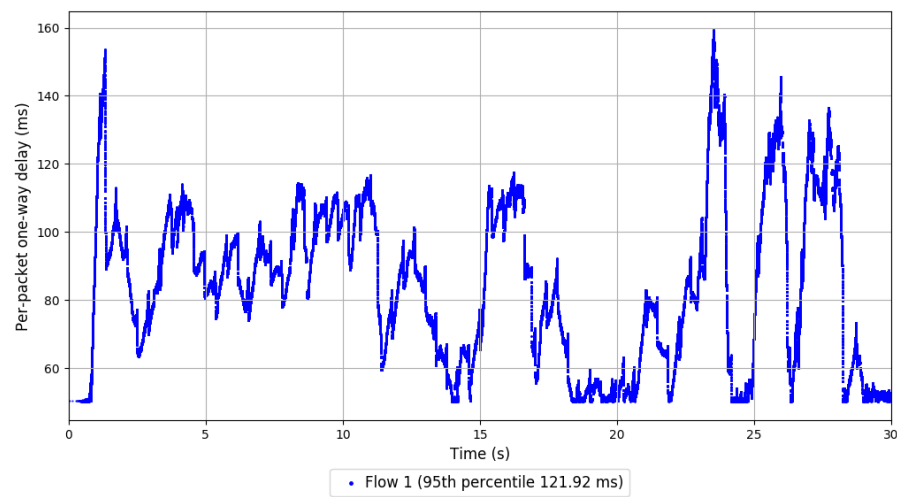
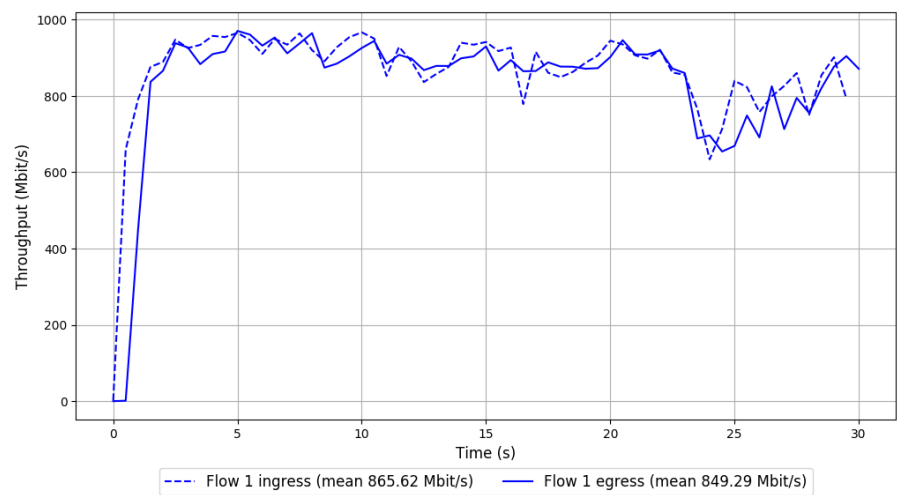


Run 1: Statistics of FillP

Start at: 2018-06-20 05:11:57
End at: 2018-06-20 05:12:27
Local clock offset: 0.082 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-20 09:08:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 849.29 Mbit/s
95th percentile per-packet one-way delay: 121.920 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 849.29 Mbit/s
95th percentile per-packet one-way delay: 121.920 ms
Loss rate: 1.89%

Run 1: Report of FillP — Data Link

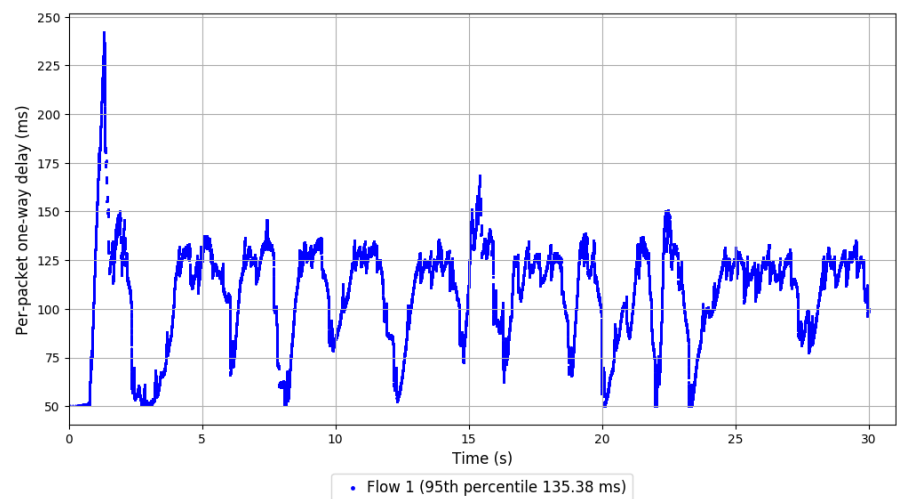
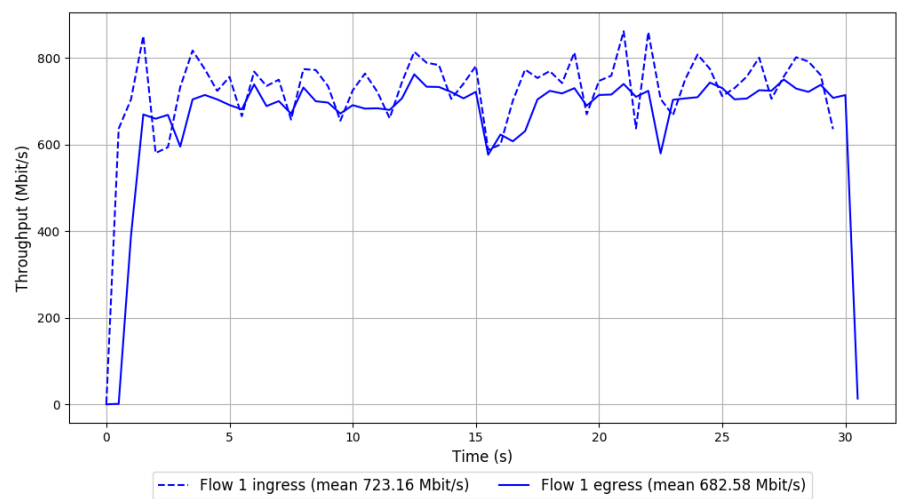


Run 2: Statistics of FillP

Start at: 2018-06-20 05:32:45
End at: 2018-06-20 05:33:15
Local clock offset: -0.268 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-06-20 09:08:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 682.58 Mbit/s
95th percentile per-packet one-way delay: 135.382 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 682.58 Mbit/s
95th percentile per-packet one-way delay: 135.382 ms
Loss rate: 5.61%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-20 05:53:26

End at: 2018-06-20 05:53:56

Local clock offset: 0.45 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-20 09:08:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 769.89 Mbit/s

95th percentile per-packet one-way delay: 127.604 ms

Loss rate: 3.36%

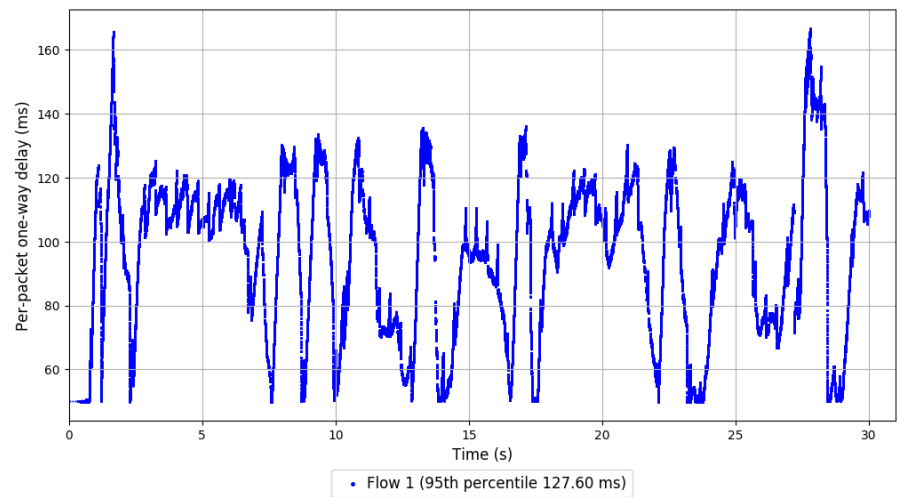
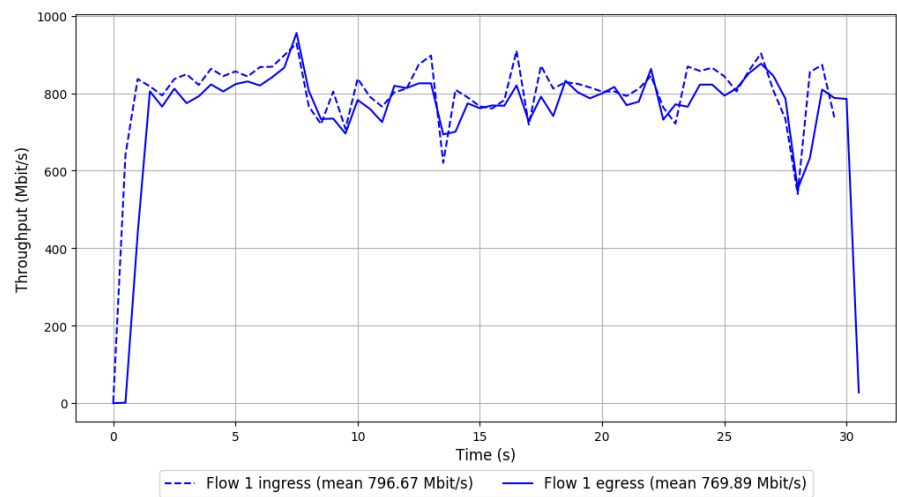
-- Flow 1:

Average throughput: 769.89 Mbit/s

95th percentile per-packet one-way delay: 127.604 ms

Loss rate: 3.36%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

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

End at: 2018-06-20 06:14:40

Local clock offset: -0.045 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-20 09:08:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 741.19 Mbit/s

95th percentile per-packet one-way delay: 133.178 ms

Loss rate: 3.59%

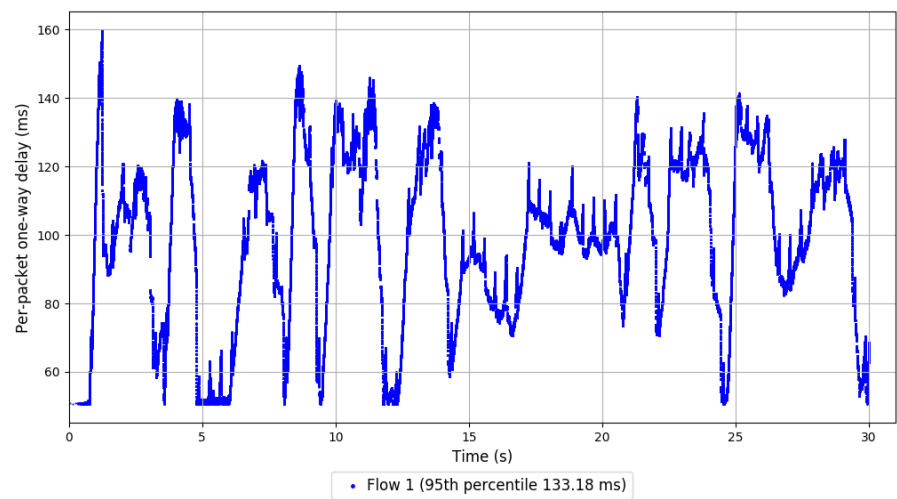
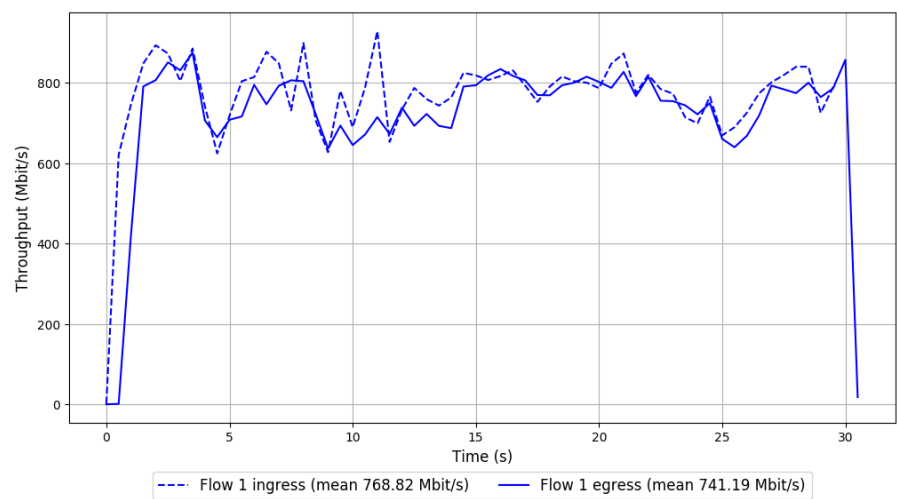
-- Flow 1:

Average throughput: 741.19 Mbit/s

95th percentile per-packet one-way delay: 133.178 ms

Loss rate: 3.59%

Run 4: Report of FillP — Data Link

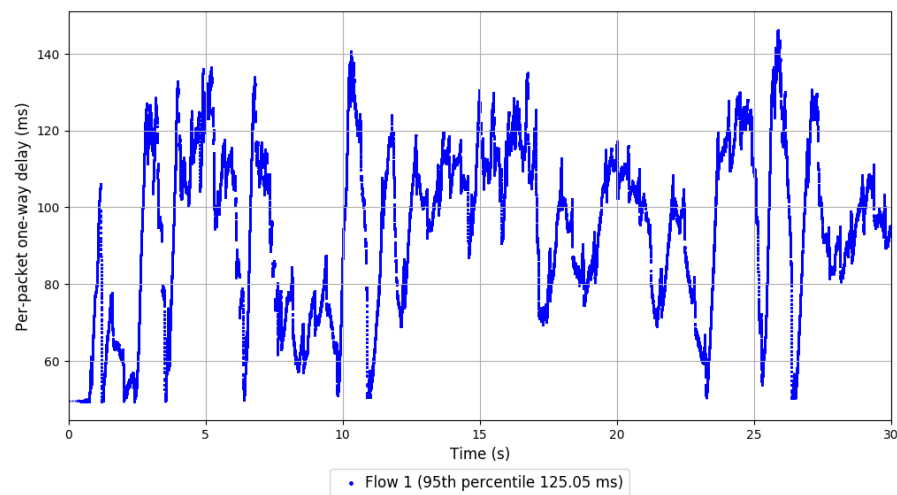
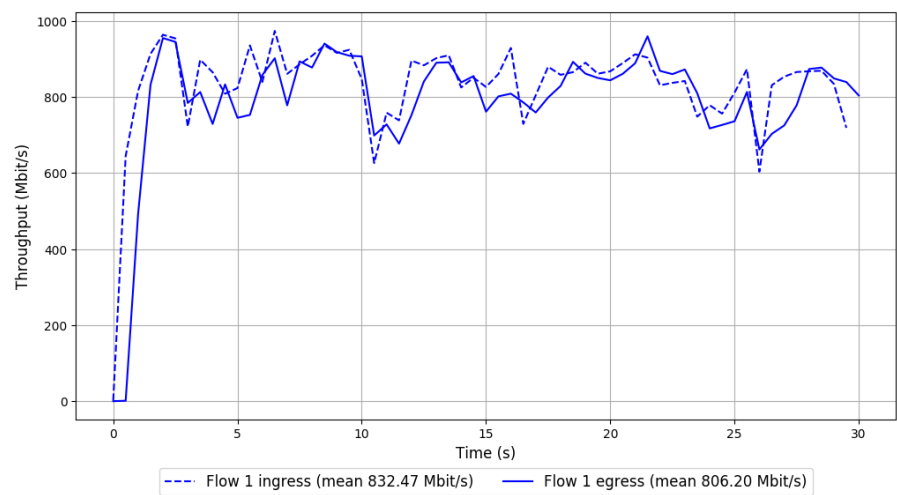


Run 5: Statistics of FillP

Start at: 2018-06-20 06:34:54
End at: 2018-06-20 06:35:24
Local clock offset: -0.004 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-06-20 09:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 806.20 Mbit/s
95th percentile per-packet one-way delay: 125.047 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 806.20 Mbit/s
95th percentile per-packet one-way delay: 125.047 ms
Loss rate: 3.16%

Run 5: Report of FillP — Data Link

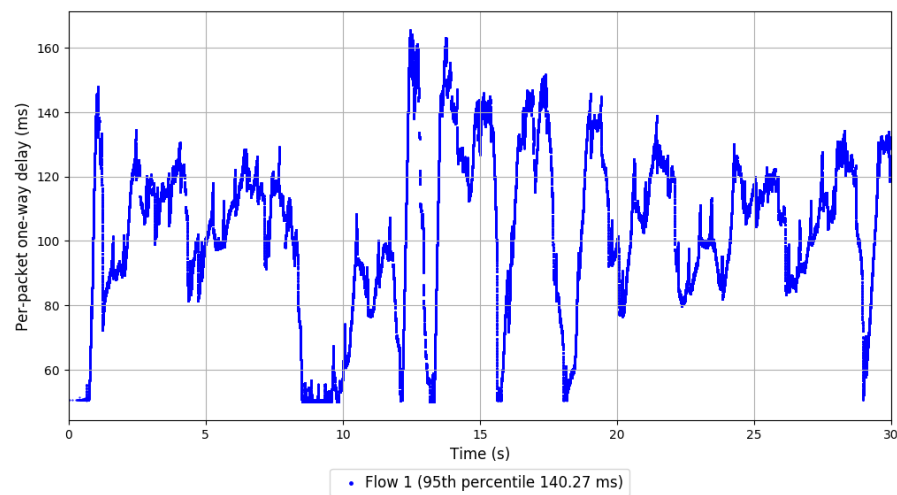
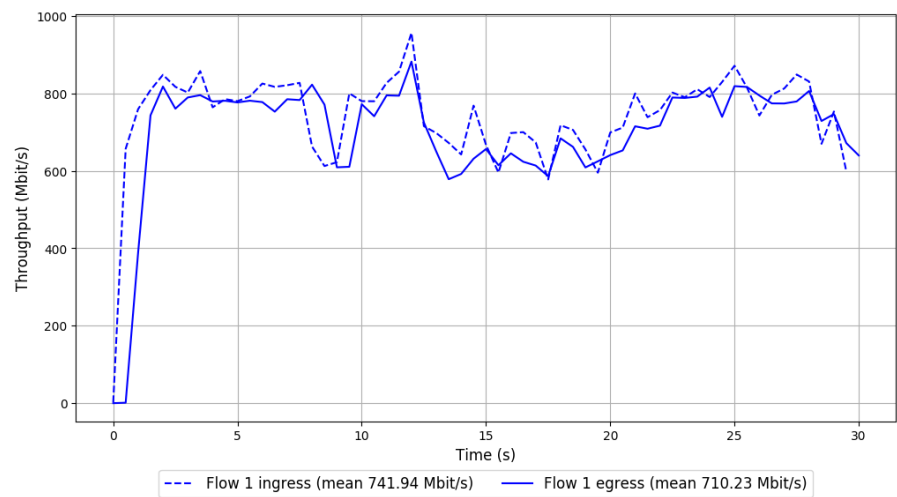


Run 6: Statistics of FillP

Start at: 2018-06-20 06:55:30
End at: 2018-06-20 06:56:00
Local clock offset: -0.058 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-06-20 09:09:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 710.23 Mbit/s
95th percentile per-packet one-way delay: 140.270 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 710.23 Mbit/s
95th percentile per-packet one-way delay: 140.270 ms
Loss rate: 4.28%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-20 07:15:59

End at: 2018-06-20 07:16:29

Local clock offset: 0.025 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-06-20 09:09:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 741.42 Mbit/s

95th percentile per-packet one-way delay: 129.519 ms

Loss rate: 4.45%

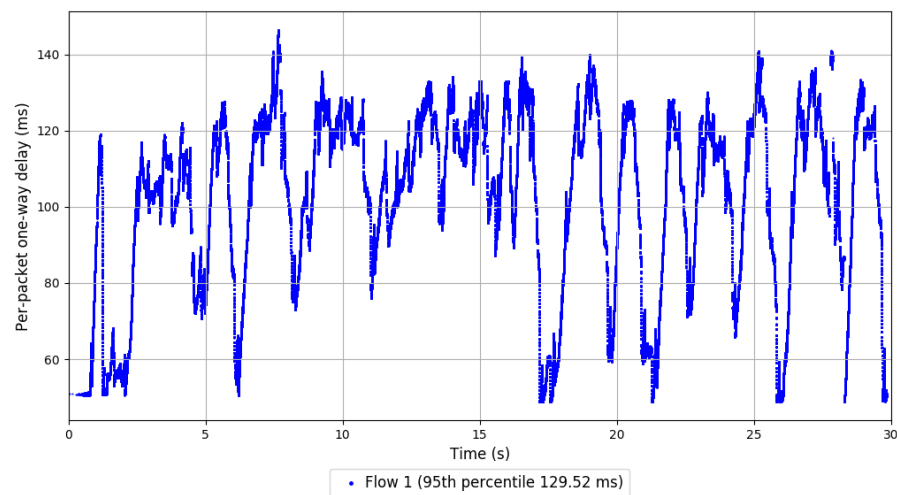
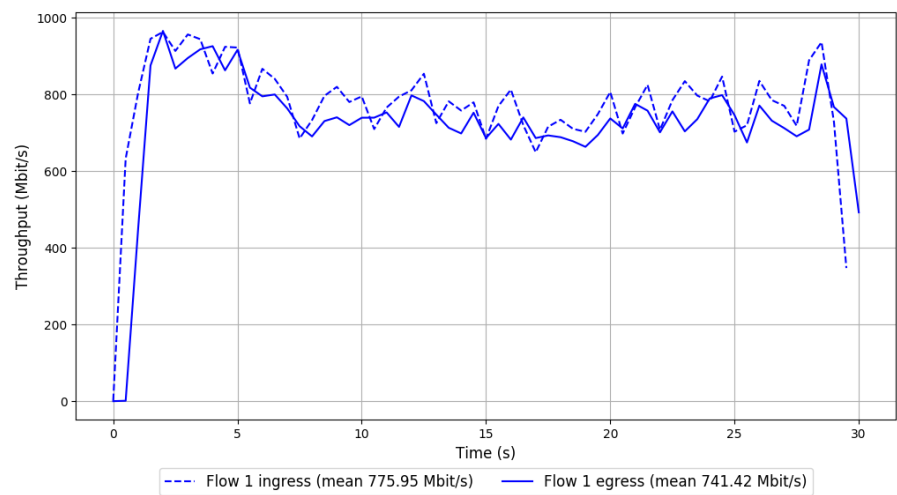
-- Flow 1:

Average throughput: 741.42 Mbit/s

95th percentile per-packet one-way delay: 129.519 ms

Loss rate: 4.45%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-20 07:36:38

End at: 2018-06-20 07:37:08

Local clock offset: 0.071 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-20 09:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 763.96 Mbit/s

95th percentile per-packet one-way delay: 131.136 ms

Loss rate: 2.66%

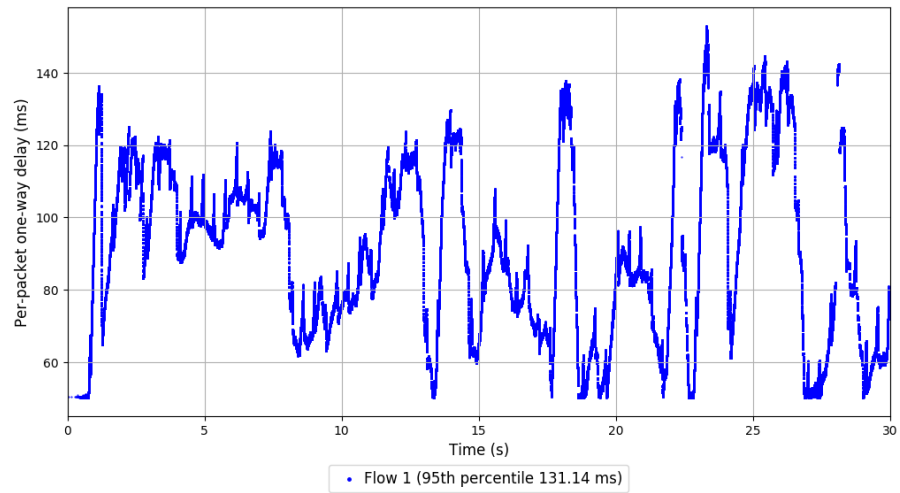
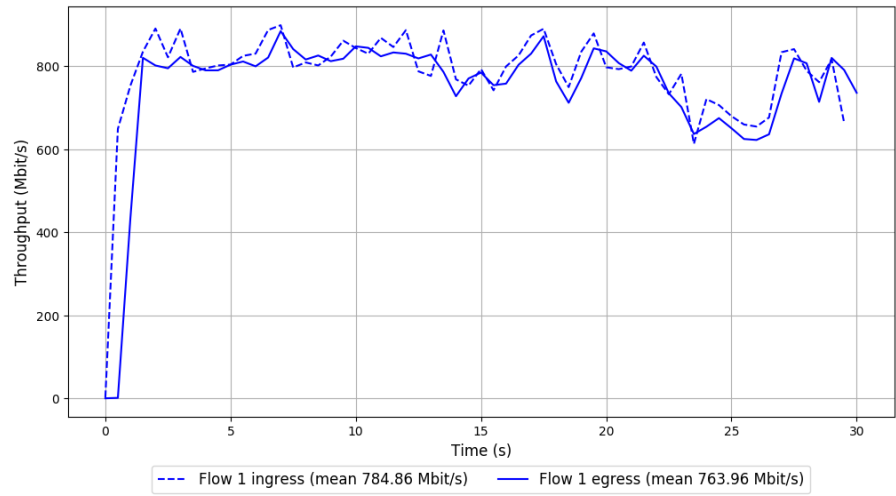
-- Flow 1:

Average throughput: 763.96 Mbit/s

95th percentile per-packet one-way delay: 131.136 ms

Loss rate: 2.66%

Run 8: Report of FillP — Data Link

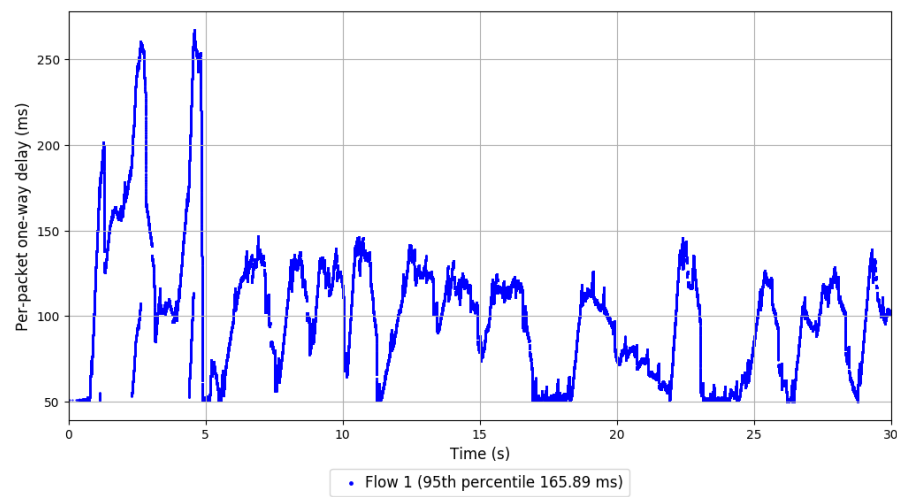
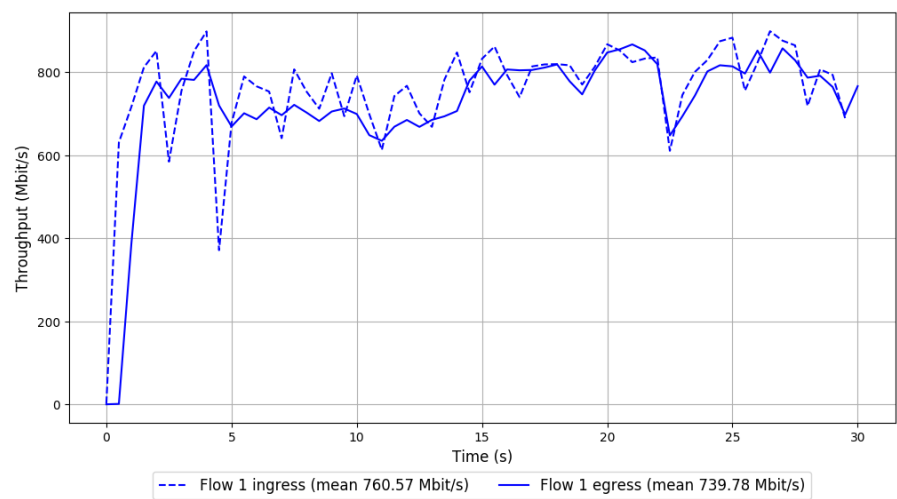


Run 9: Statistics of FillP

Start at: 2018-06-20 07:57:18
End at: 2018-06-20 07:57:48
Local clock offset: -0.418 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-20 09:21:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.78 Mbit/s
95th percentile per-packet one-way delay: 165.894 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 739.78 Mbit/s
95th percentile per-packet one-way delay: 165.894 ms
Loss rate: 2.73%

Run 9: Report of FillP — Data Link

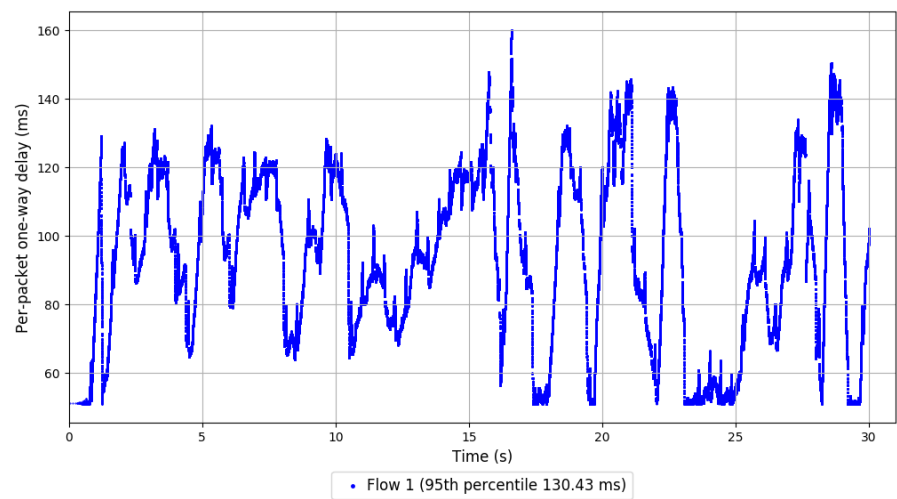
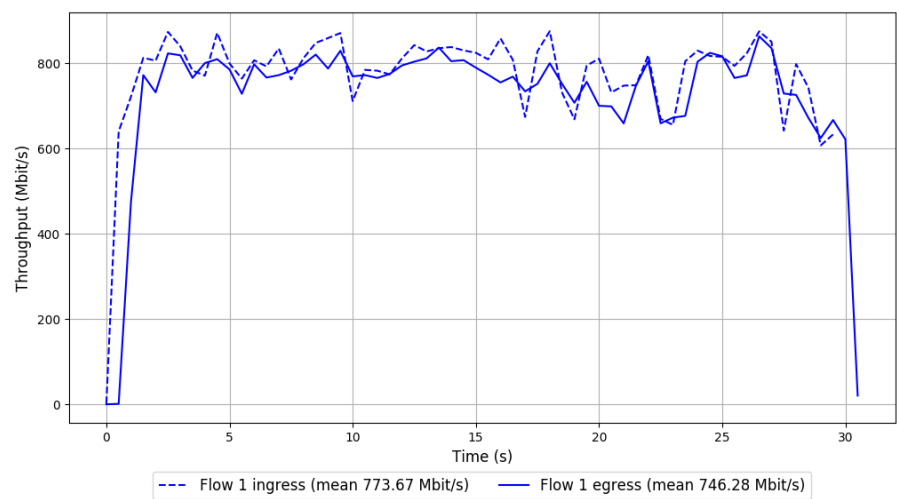


Run 10: Statistics of FillP

Start at: 2018-06-20 08:18:00
End at: 2018-06-20 08:18:30
Local clock offset: -0.419 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 746.28 Mbit/s
95th percentile per-packet one-way delay: 130.427 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 746.28 Mbit/s
95th percentile per-packet one-way delay: 130.427 ms
Loss rate: 3.54%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-20 05:05:56

End at: 2018-06-20 05:06:26

Local clock offset: 0.077 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.70 Mbit/s

95th percentile per-packet one-way delay: 50.894 ms

Loss rate: 0.14%

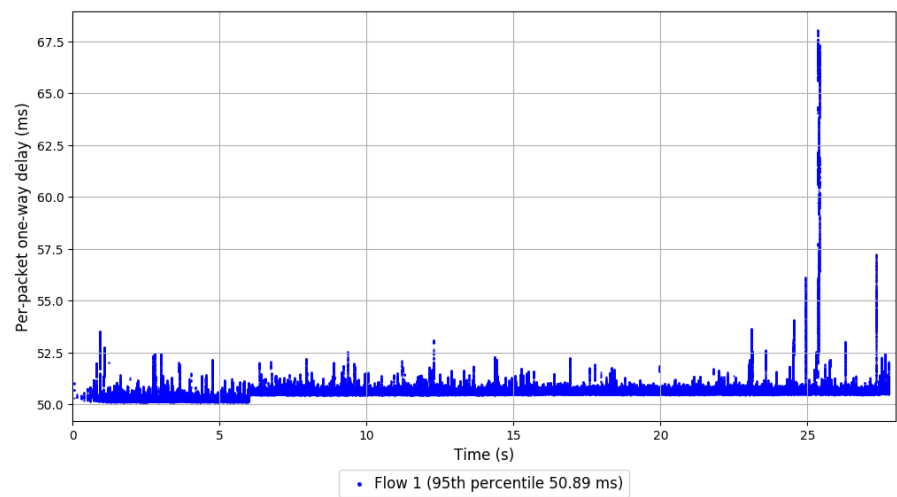
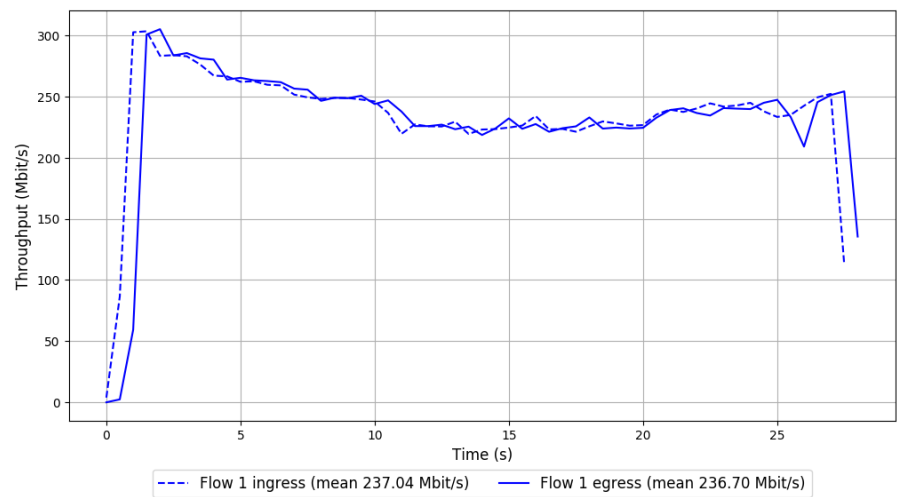
-- Flow 1:

Average throughput: 236.70 Mbit/s

95th percentile per-packet one-way delay: 50.894 ms

Loss rate: 0.14%

Run 1: Report of Indigo — Data Link

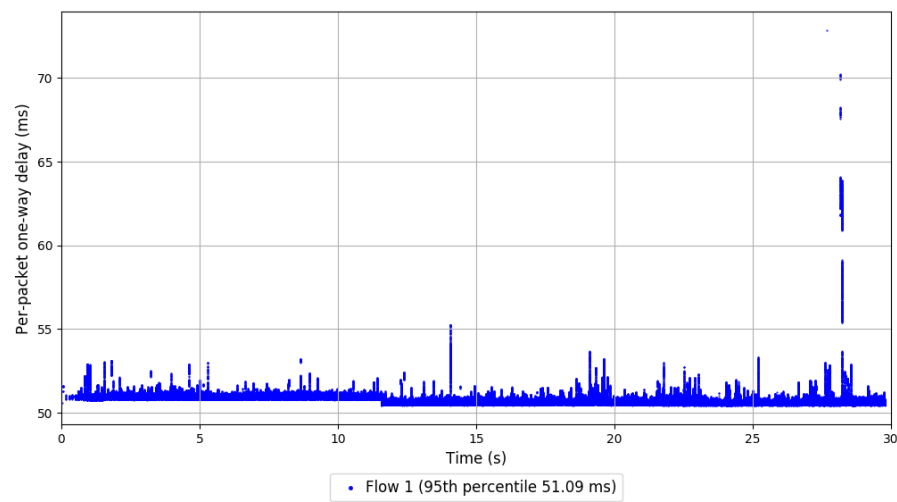
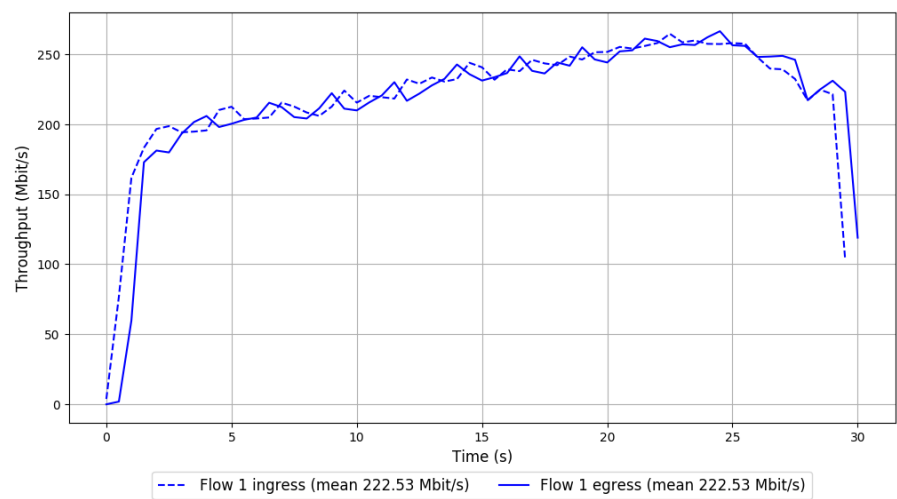


Run 2: Statistics of Indigo

Start at: 2018-06-20 05:26:42
End at: 2018-06-20 05:27:12
Local clock offset: -0.289 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.53 Mbit/s
95th percentile per-packet one-way delay: 51.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.53 Mbit/s
95th percentile per-packet one-way delay: 51.092 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-20 05:47:17

End at: 2018-06-20 05:47:47

Local clock offset: 0.1 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.24 Mbit/s

95th percentile per-packet one-way delay: 50.952 ms

Loss rate: 0.00%

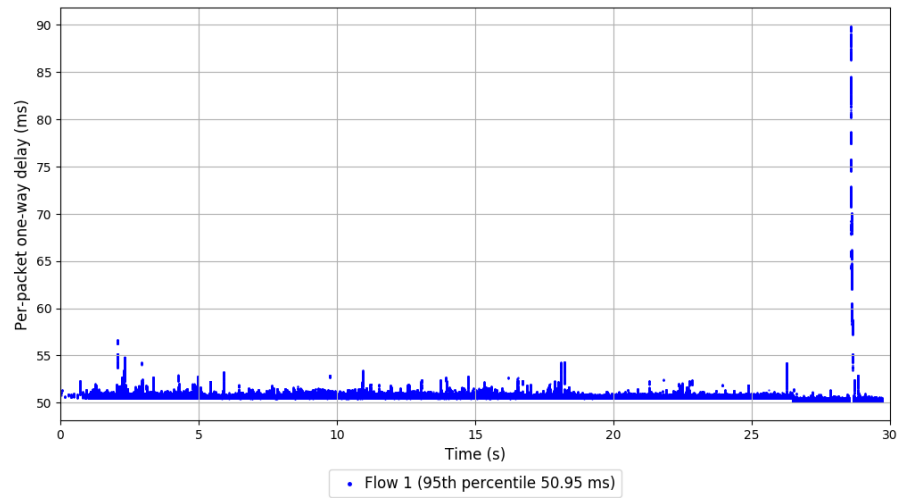
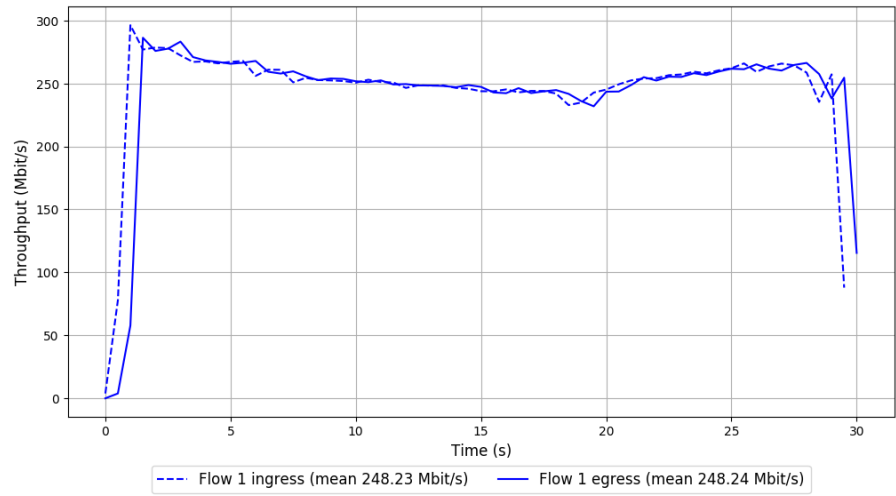
-- Flow 1:

Average throughput: 248.24 Mbit/s

95th percentile per-packet one-way delay: 50.952 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-20 06:08:04

End at: 2018-06-20 06:08:34

Local clock offset: 0.026 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.86 Mbit/s

95th percentile per-packet one-way delay: 50.989 ms

Loss rate: 0.00%

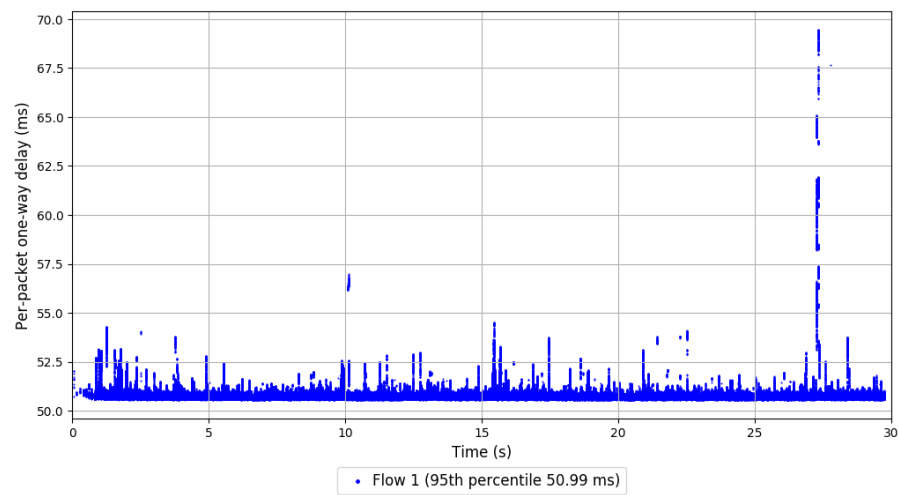
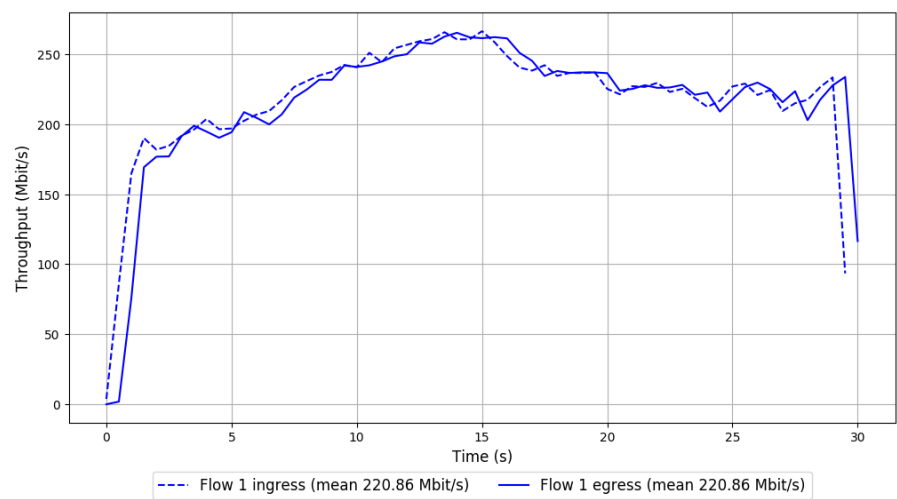
-- Flow 1:

Average throughput: 220.86 Mbit/s

95th percentile per-packet one-way delay: 50.989 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

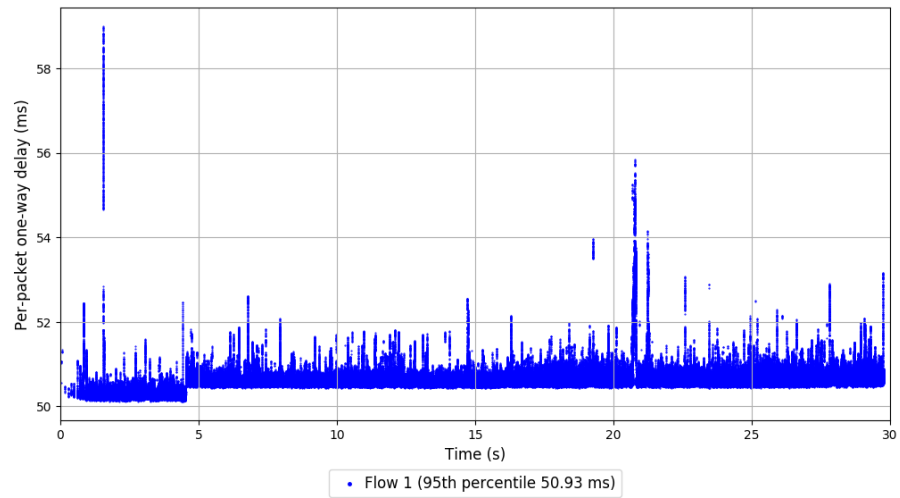
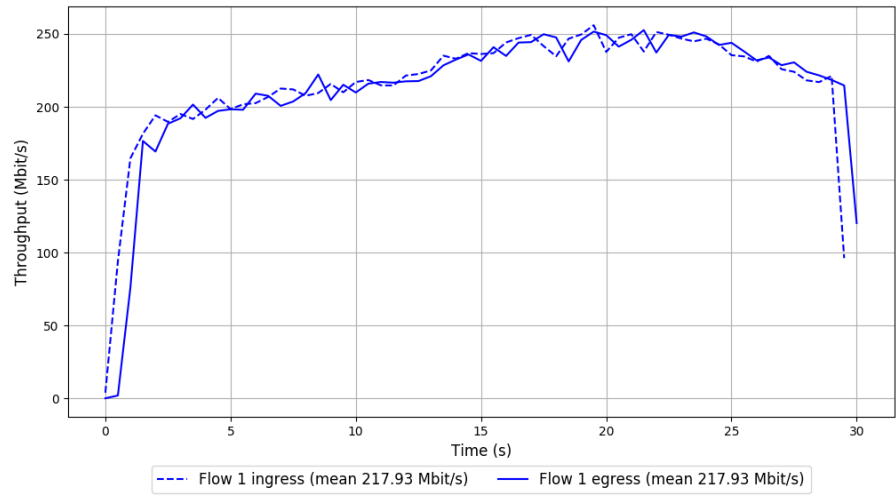


Run 5: Statistics of Indigo

Start at: 2018-06-20 06:28:49
End at: 2018-06-20 06:29:19
Local clock offset: 0.005 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.93 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.93 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-20 06:49:35

End at: 2018-06-20 06:50:05

Local clock offset: -0.04 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.48 Mbit/s

95th percentile per-packet one-way delay: 51.246 ms

Loss rate: 0.00%

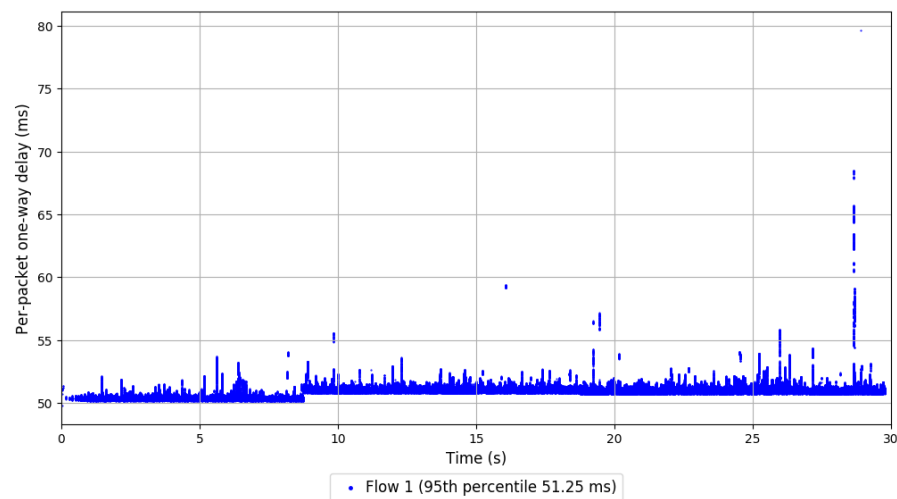
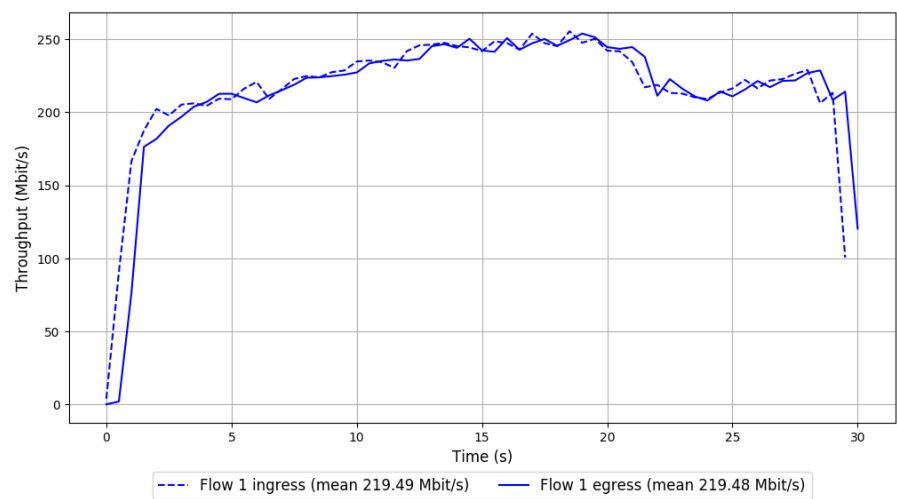
-- Flow 1:

Average throughput: 219.48 Mbit/s

95th percentile per-packet one-way delay: 51.246 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

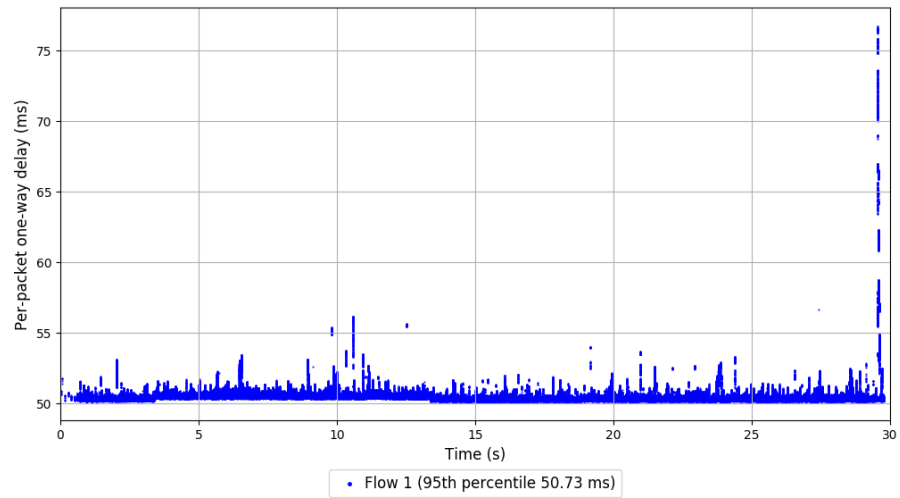
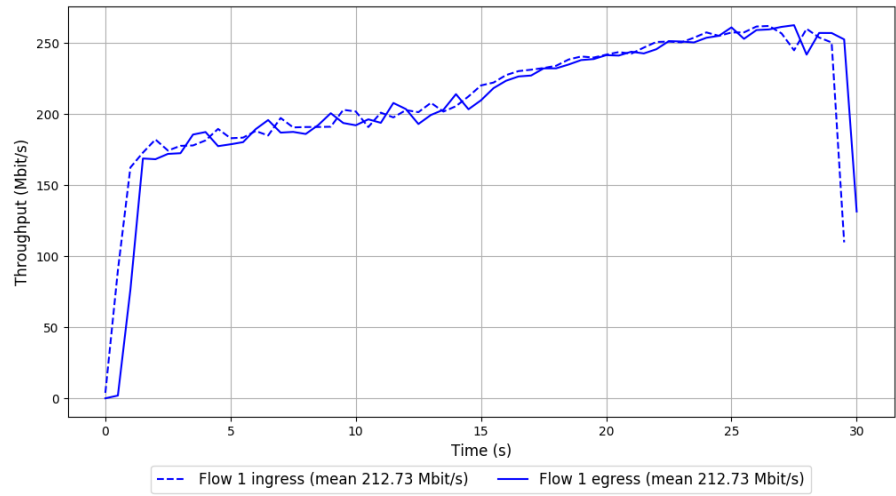


Run 7: Statistics of Indigo

Start at: 2018-06-20 07:10:00
End at: 2018-06-20 07:10:30
Local clock offset: 0.015 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.73 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.73 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-20 07:30:32

End at: 2018-06-20 07:31:02

Local clock offset: 0.046 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.97 Mbit/s

95th percentile per-packet one-way delay: 50.885 ms

Loss rate: 0.00%

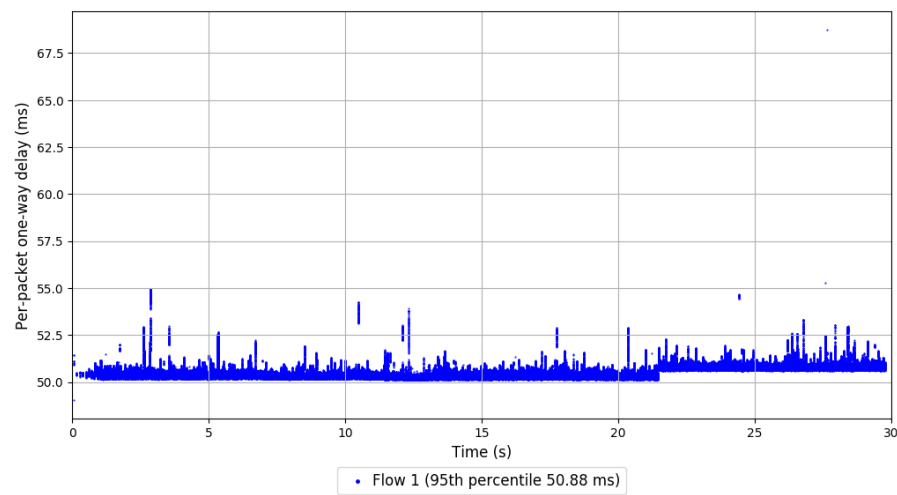
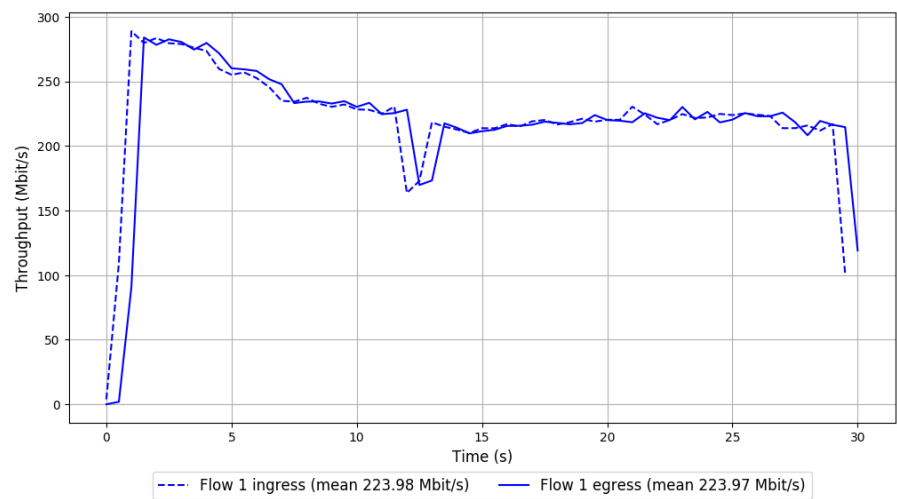
-- Flow 1:

Average throughput: 223.97 Mbit/s

95th percentile per-packet one-way delay: 50.885 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-20 07:51:16

End at: 2018-06-20 07:51:46

Local clock offset: -0.04 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.64 Mbit/s

95th percentile per-packet one-way delay: 50.803 ms

Loss rate: 0.00%

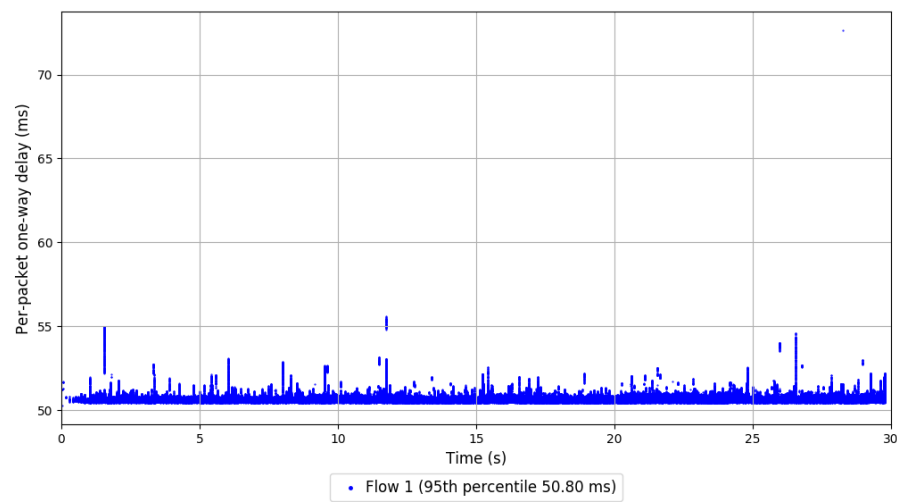
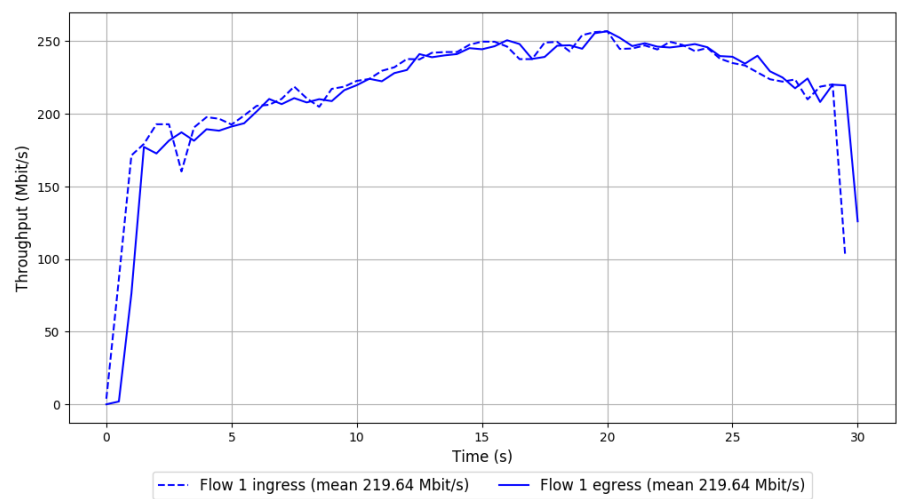
-- Flow 1:

Average throughput: 219.64 Mbit/s

95th percentile per-packet one-way delay: 50.803 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-20 08:11:55

End at: 2018-06-20 08:12:25

Local clock offset: -0.414 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.70 Mbit/s

95th percentile per-packet one-way delay: 50.940 ms

Loss rate: 0.00%

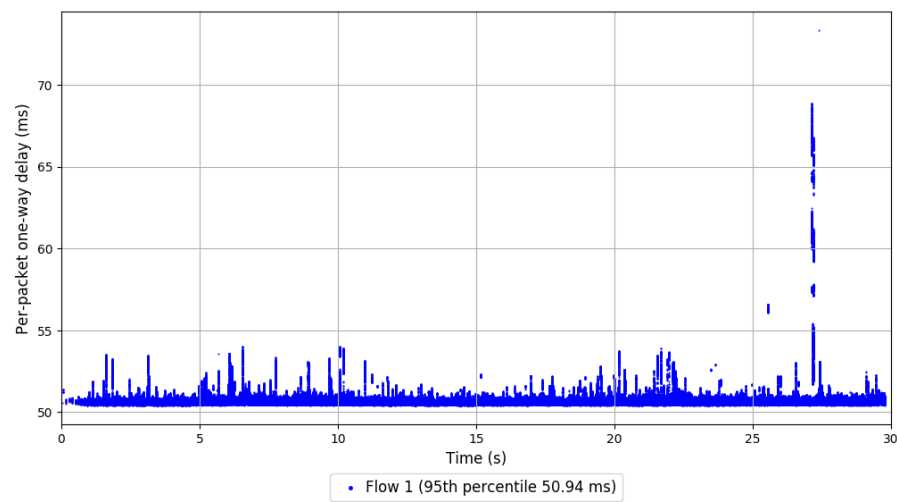
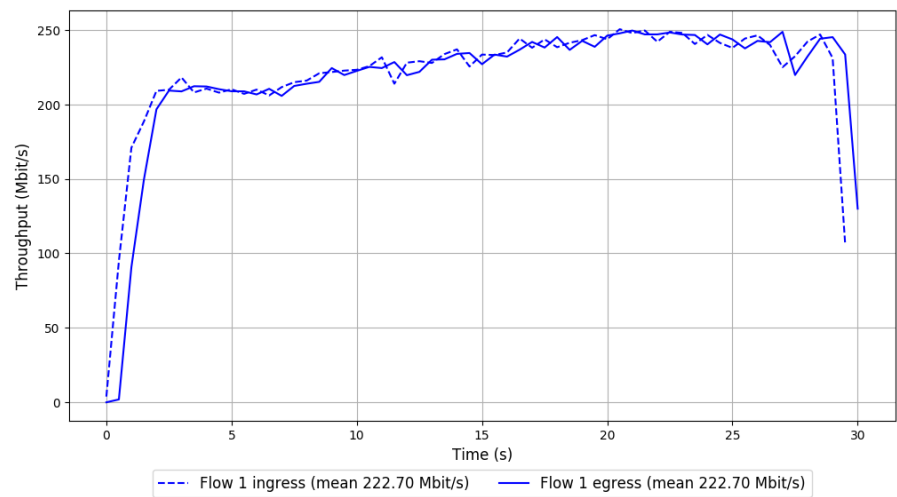
-- Flow 1:

Average throughput: 222.70 Mbit/s

95th percentile per-packet one-way delay: 50.940 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

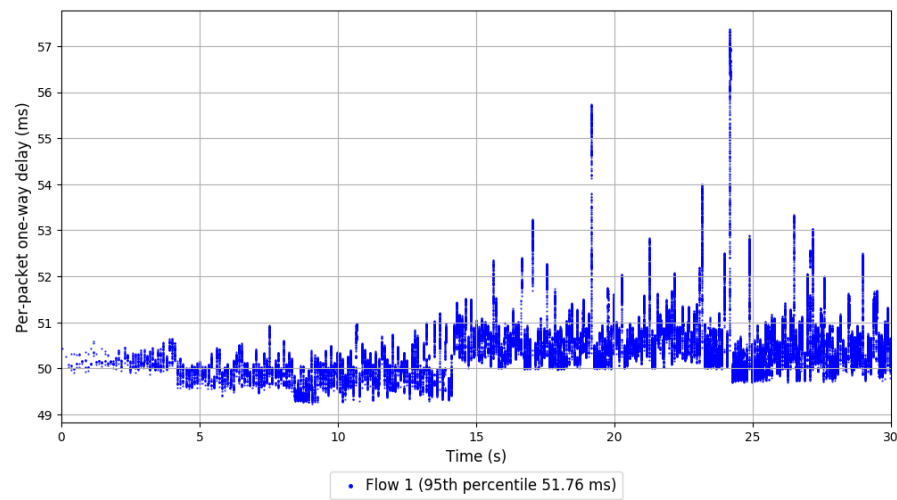
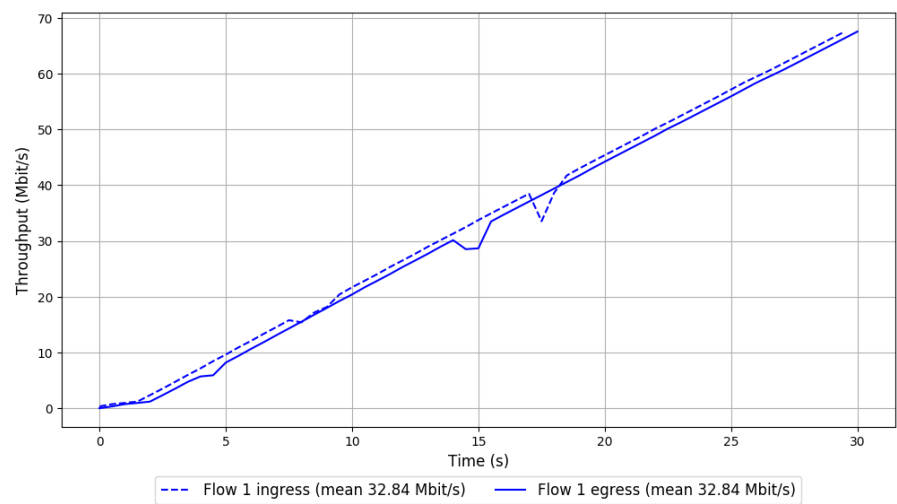


Run 1: Statistics of LEDBAT

Start at: 2018-06-20 05:10:50
End at: 2018-06-20 05:11:20
Local clock offset: 0.473 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 51.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 51.763 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

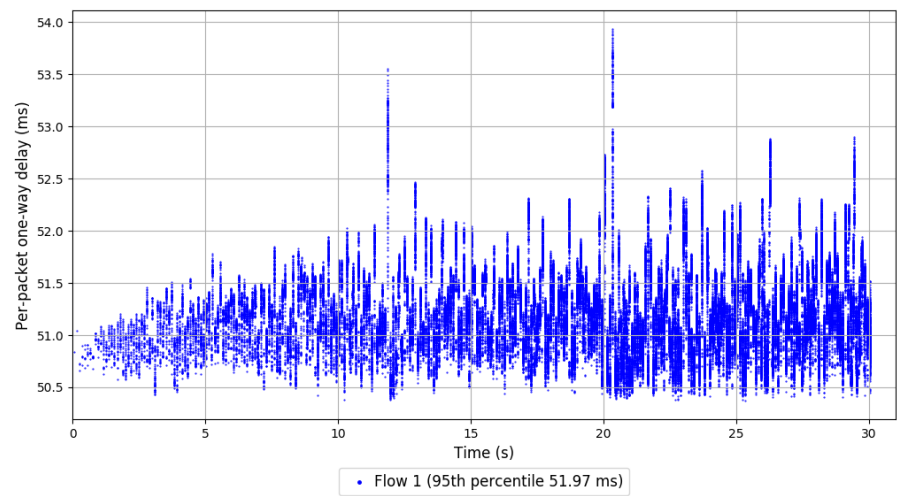
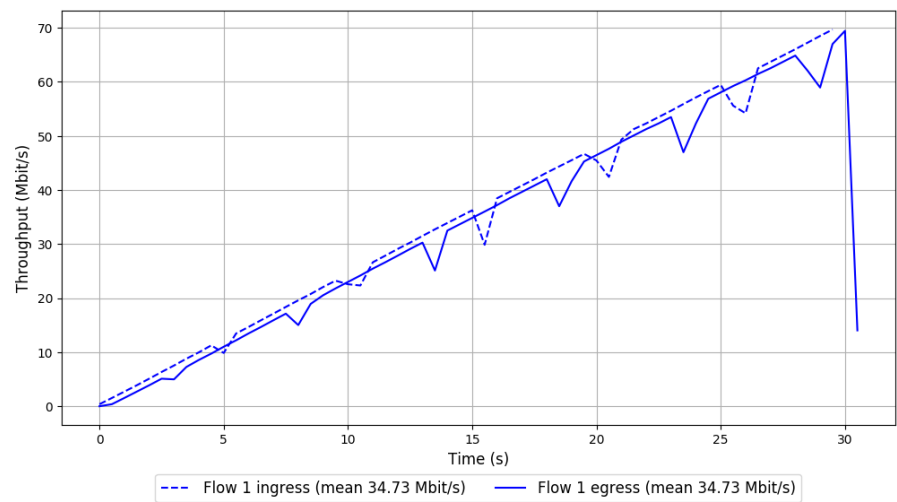


Run 2: Statistics of LEDBAT

Start at: 2018-06-20 05:31:37
End at: 2018-06-20 05:32:07
Local clock offset: 0.097 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 51.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 51.966 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-20 05:52:19

End at: 2018-06-20 05:52:49

Local clock offset: 0.407 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 51.712 ms

Loss rate: 0.00%

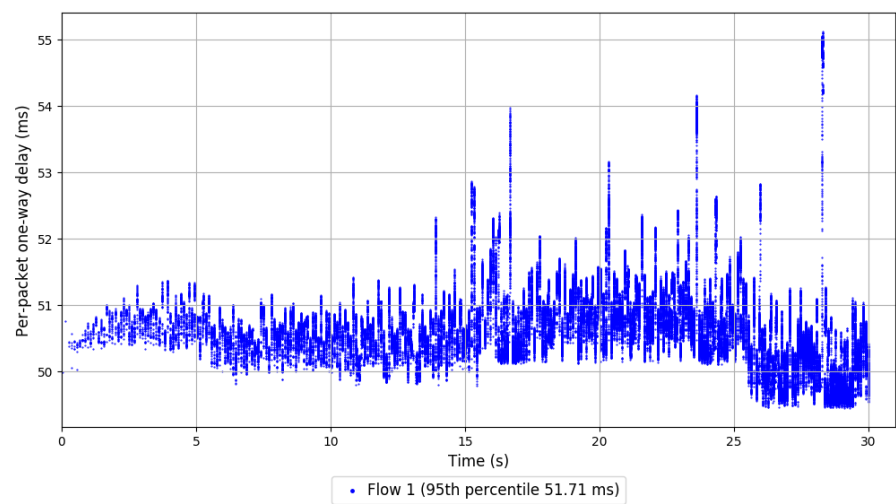
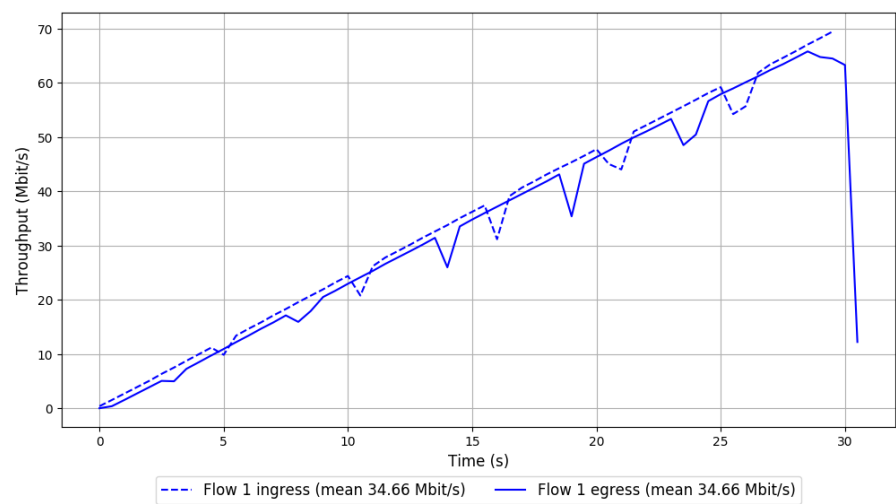
-- Flow 1:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 51.712 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

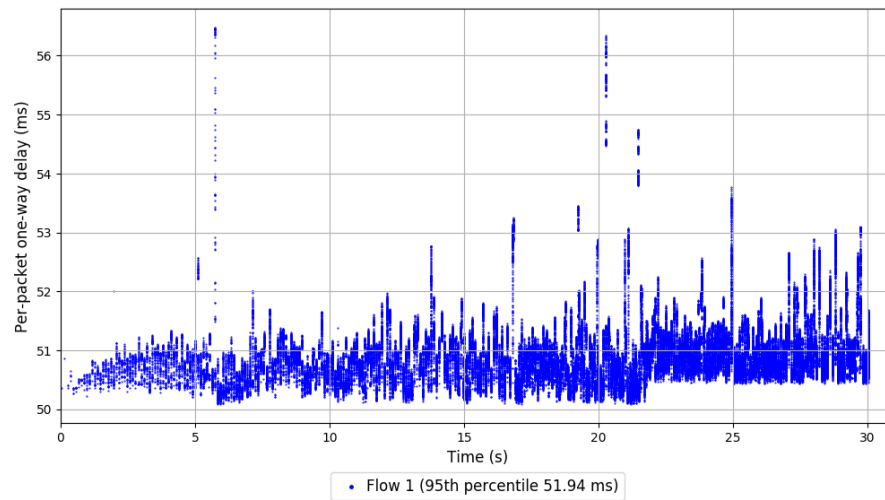
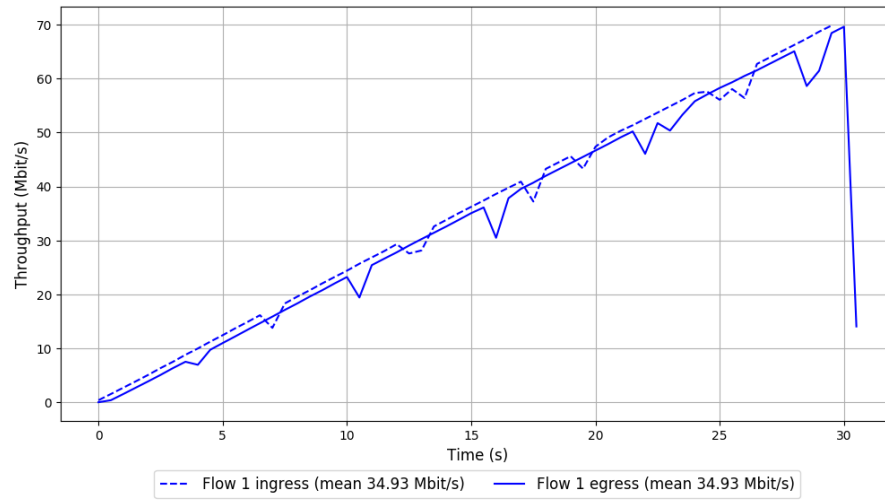


Run 4: Statistics of LEDBAT

Start at: 2018-06-20 06:13:02
End at: 2018-06-20 06:13:32
Local clock offset: 0.06 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 51.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 51.937 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

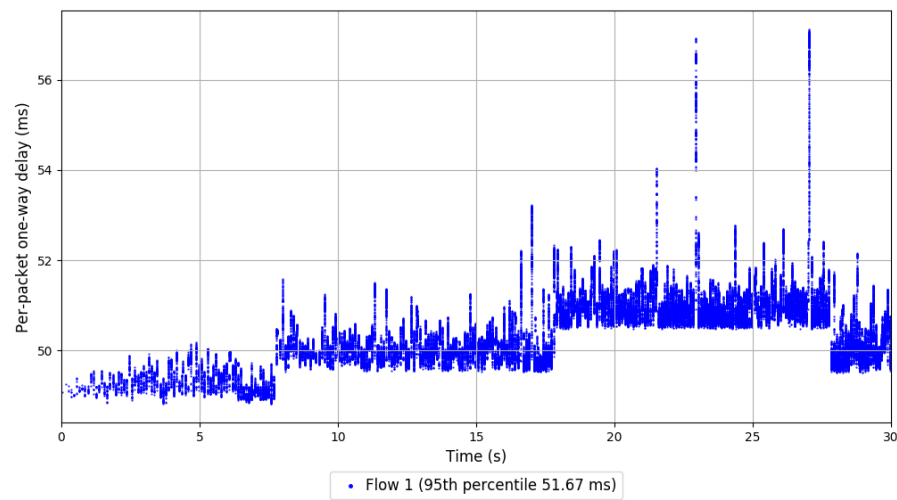
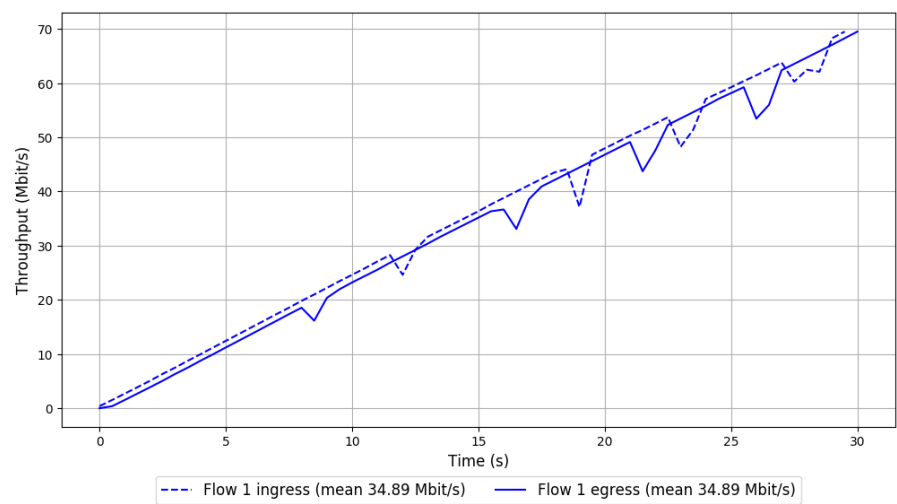


Run 5: Statistics of LEDBAT

Start at: 2018-06-20 06:33:46
End at: 2018-06-20 06:34:16
Local clock offset: -0.014 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

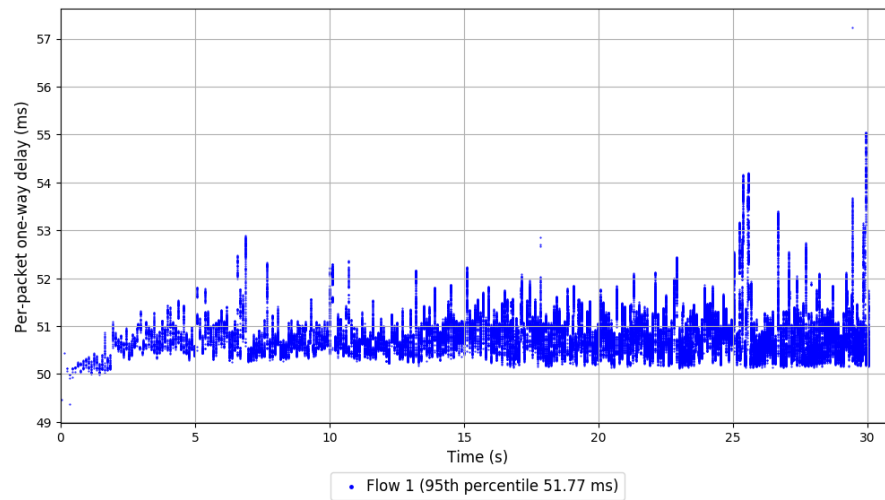
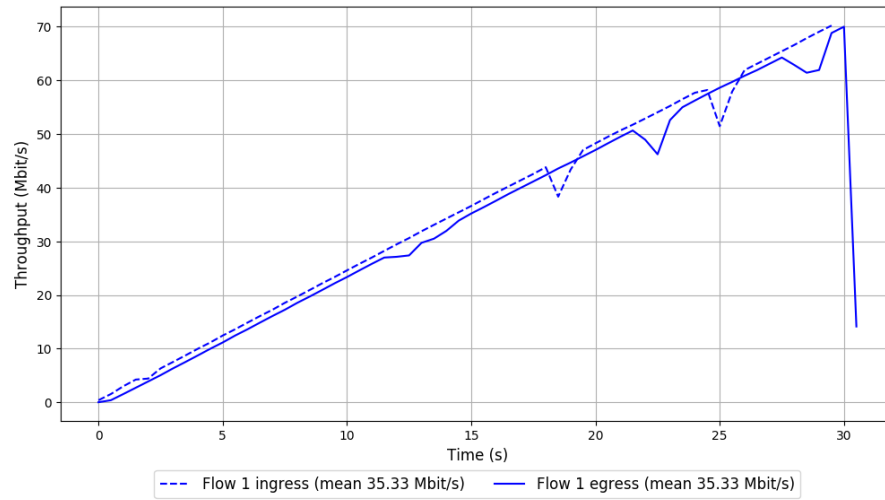


Run 6: Statistics of LEDBAT

Start at: 2018-06-20 06:54:22
End at: 2018-06-20 06:54:52
Local clock offset: 0.332 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 51.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 51.774 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

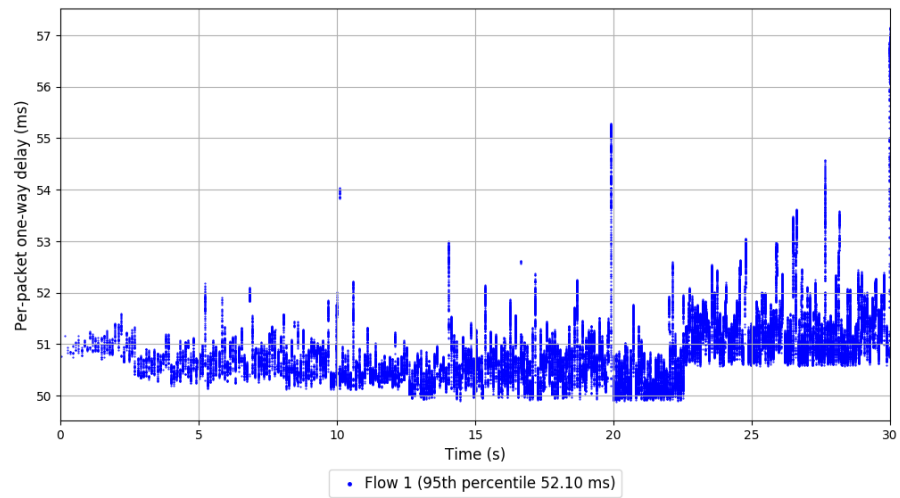
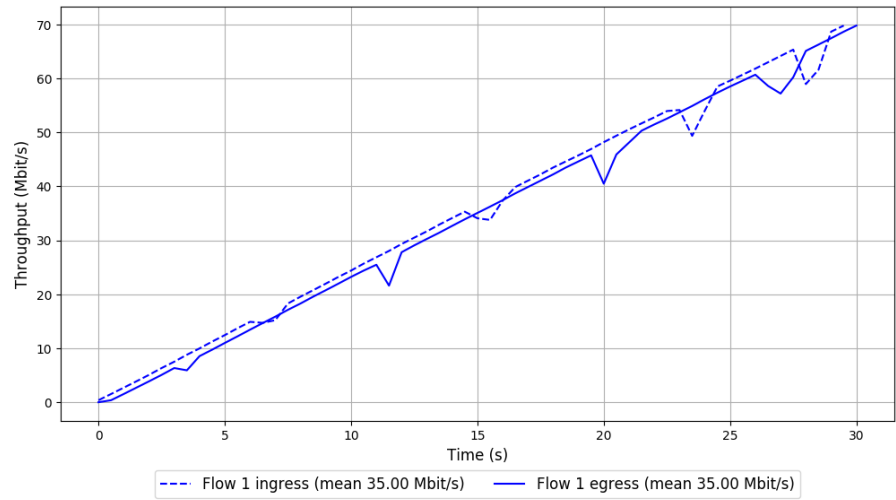


Run 7: Statistics of LEDBAT

Start at: 2018-06-20 07:14:52
End at: 2018-06-20 07:15:22
Local clock offset: 0.009 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-20 09:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 52.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 52.105 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-20 07:35:30

End at: 2018-06-20 07:36:00

Local clock offset: 0.032 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 51.976 ms

Loss rate: 0.00%

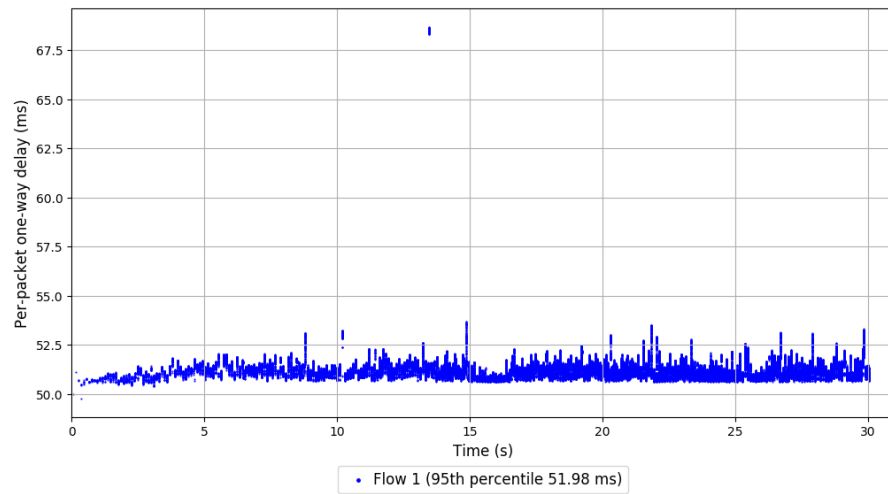
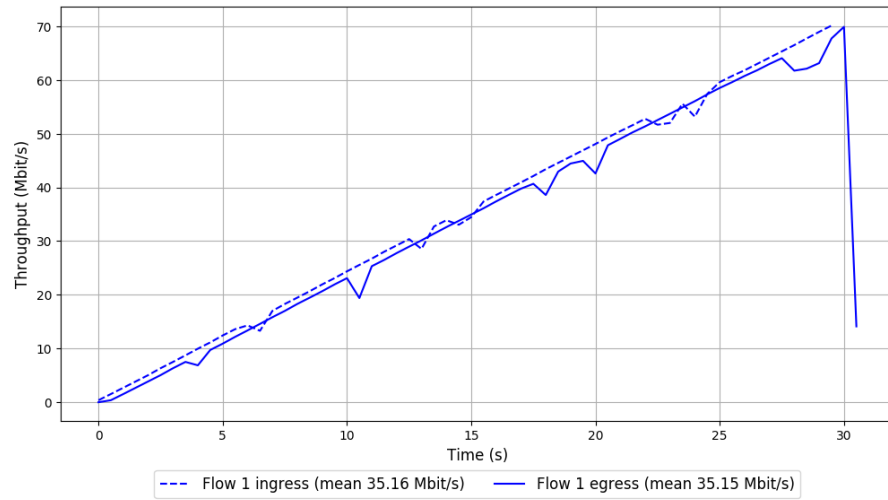
-- Flow 1:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 51.976 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-20 07:56:11

End at: 2018-06-20 07:56:41

Local clock offset: -0.448 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.15 Mbit/s

95th percentile per-packet one-way delay: 52.557 ms

Loss rate: 0.00%

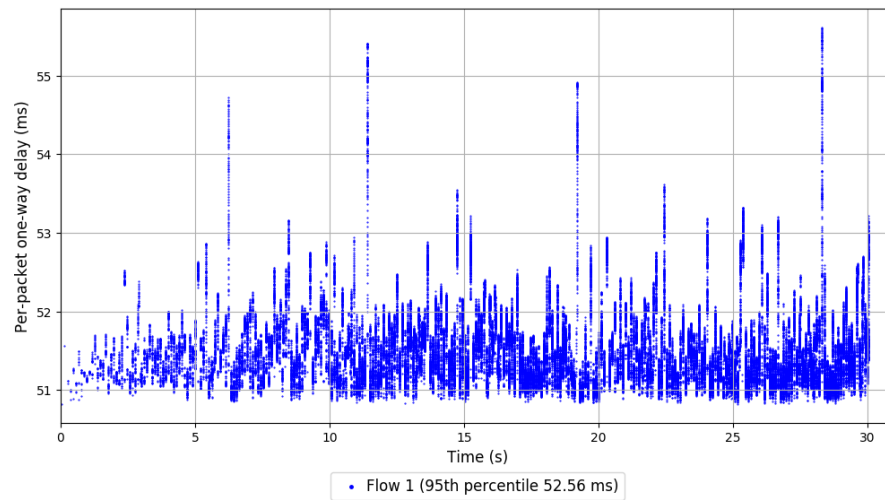
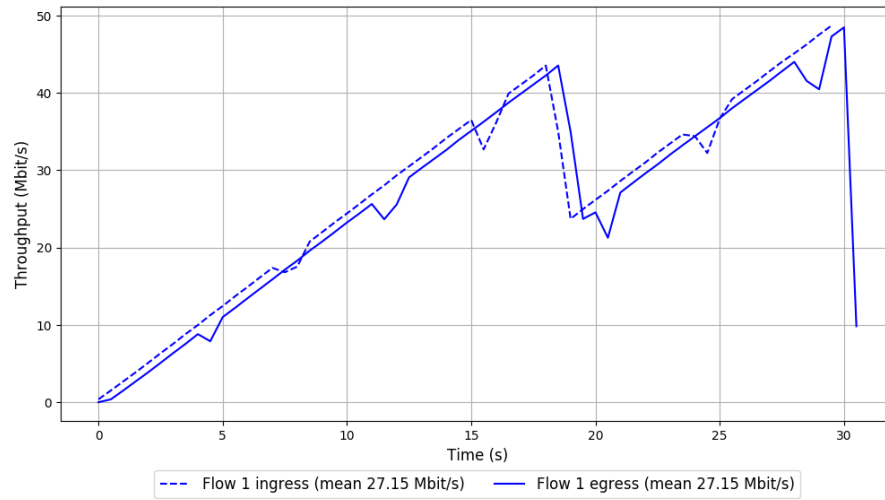
-- Flow 1:

Average throughput: 27.15 Mbit/s

95th percentile per-packet one-way delay: 52.557 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-20 08:16:53

End at: 2018-06-20 08:17:23

Local clock offset: -0.434 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-20 09:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.73 Mbit/s

95th percentile per-packet one-way delay: 52.332 ms

Loss rate: 0.00%

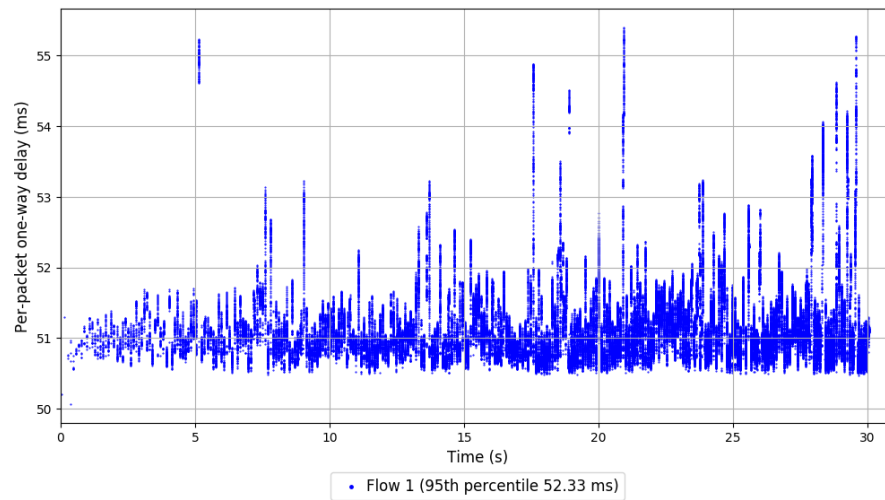
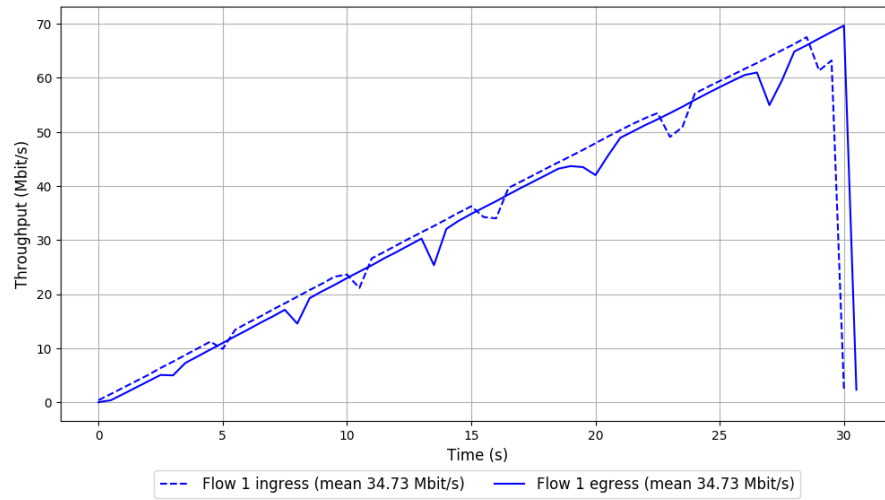
-- Flow 1:

Average throughput: 34.73 Mbit/s

95th percentile per-packet one-way delay: 52.332 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-20 05:01:43

End at: 2018-06-20 05:02:14

Local clock offset: 0.456 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-20 09:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 568.68 Mbit/s

95th percentile per-packet one-way delay: 190.712 ms

Loss rate: 1.39%

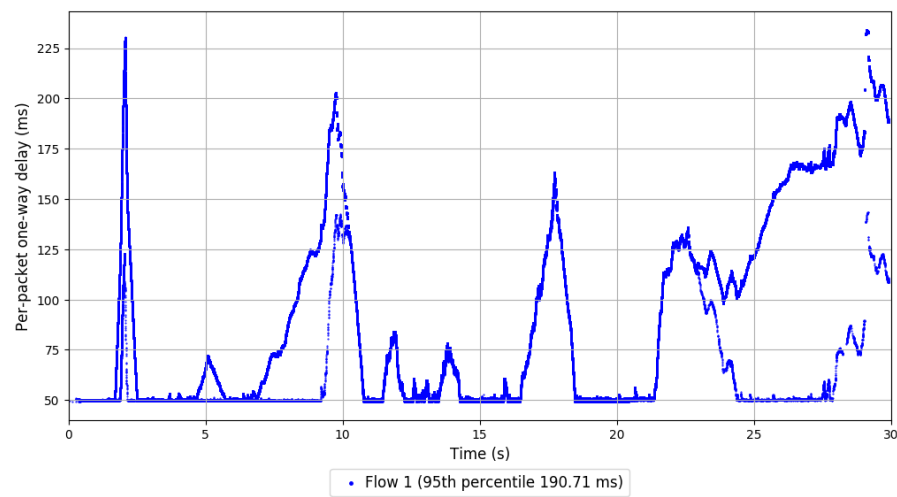
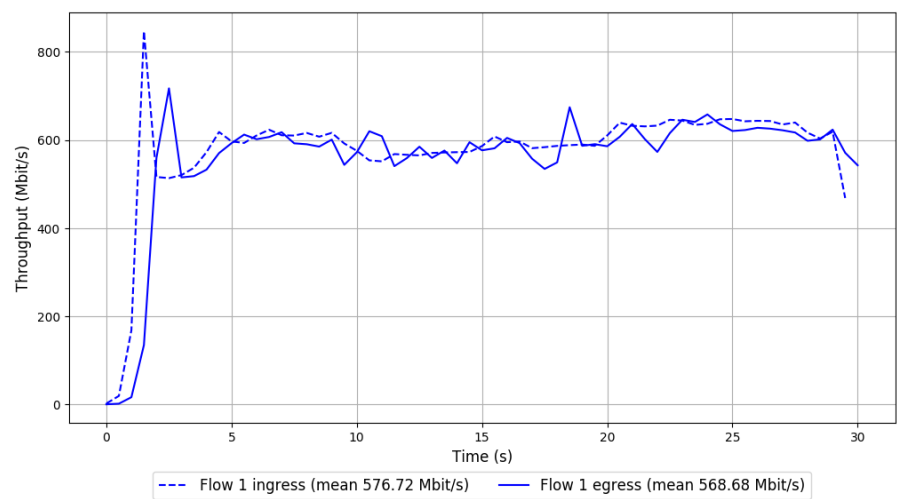
-- Flow 1:

Average throughput: 568.68 Mbit/s

95th percentile per-packet one-way delay: 190.712 ms

Loss rate: 1.39%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-20 05:22:35

End at: 2018-06-20 05:23:05

Local clock offset: -0.266 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-20 09:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.15 Mbit/s

95th percentile per-packet one-way delay: 166.505 ms

Loss rate: 2.76%

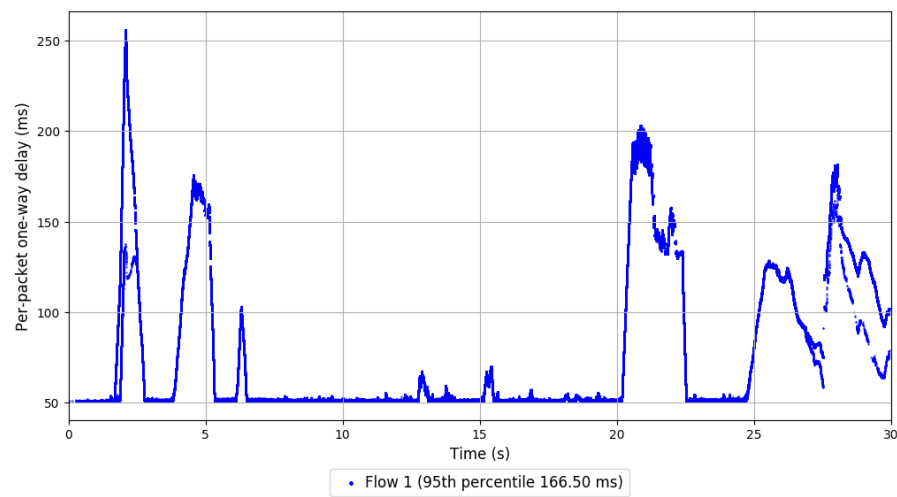
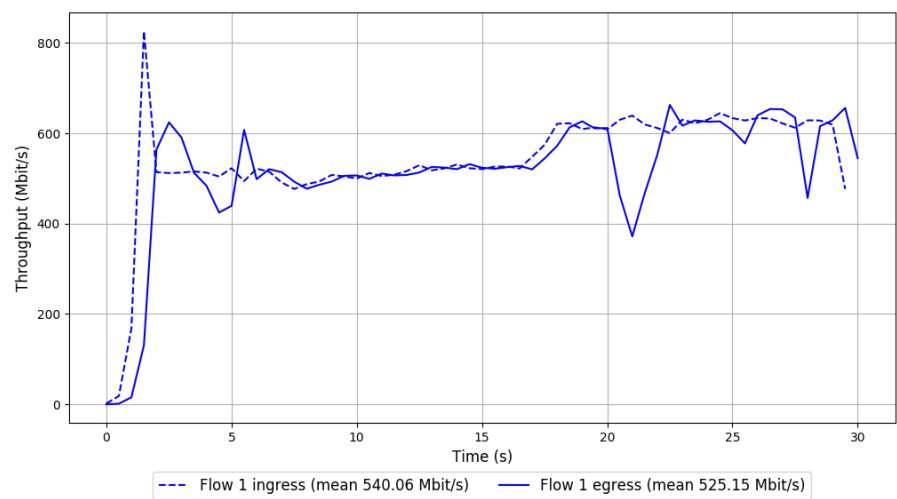
-- Flow 1:

Average throughput: 525.15 Mbit/s

95th percentile per-packet one-way delay: 166.505 ms

Loss rate: 2.76%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-20 05:43:12

End at: 2018-06-20 05:43:42

Local clock offset: 0.442 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-20 09:26:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.84 Mbit/s

95th percentile per-packet one-way delay: 170.398 ms

Loss rate: 2.29%

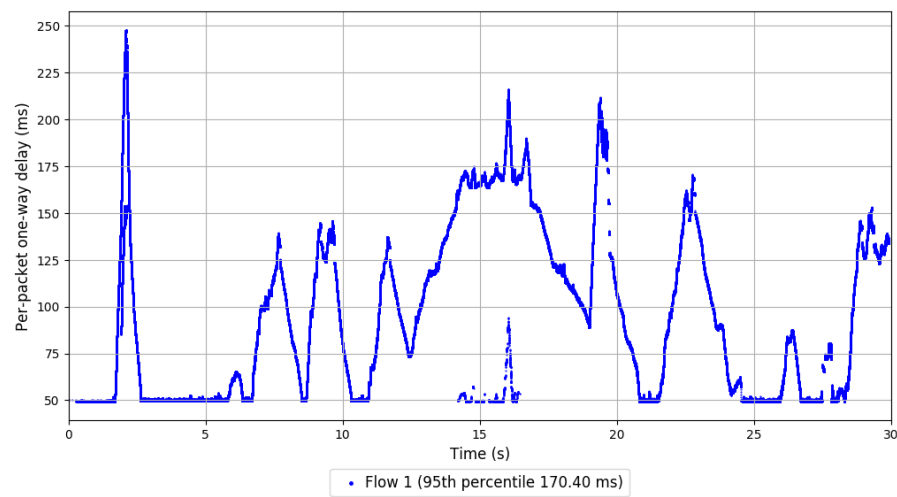
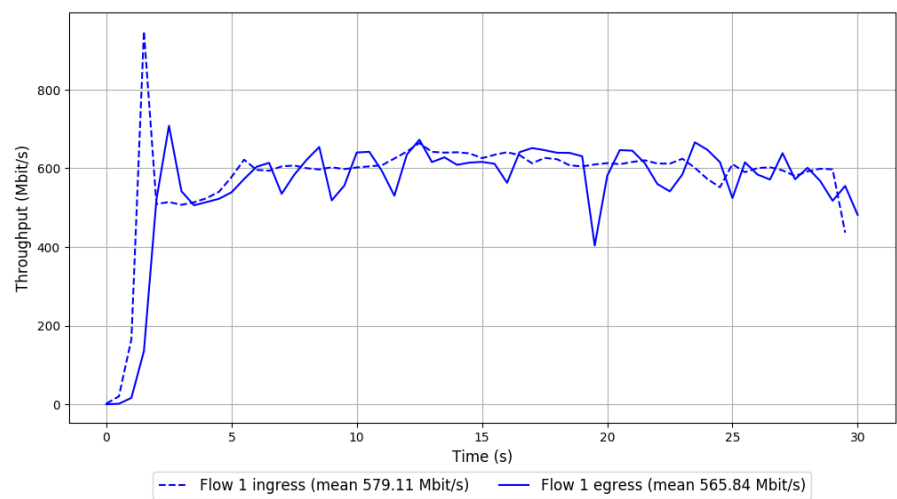
-- Flow 1:

Average throughput: 565.84 Mbit/s

95th percentile per-packet one-way delay: 170.398 ms

Loss rate: 2.29%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-20 06:03:57

End at: 2018-06-20 06:04:27

Local clock offset: 0.41 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-20 09:26:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.71 Mbit/s

95th percentile per-packet one-way delay: 145.230 ms

Loss rate: 1.20%

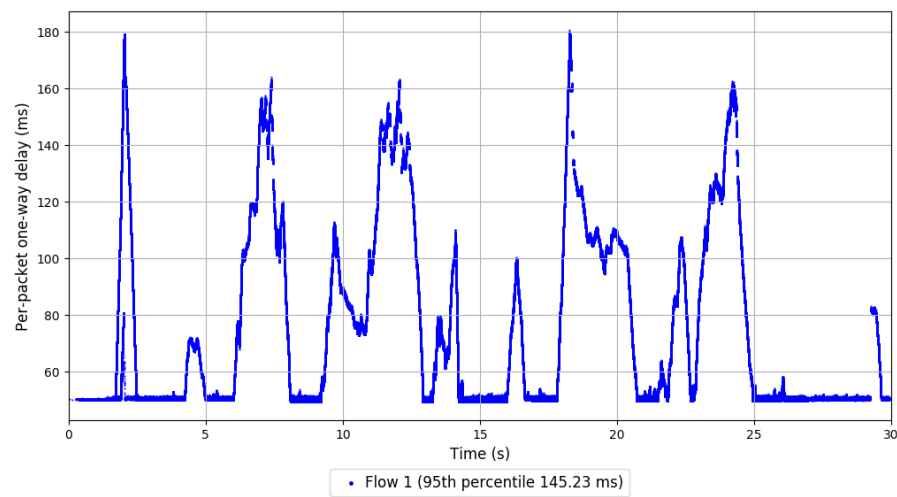
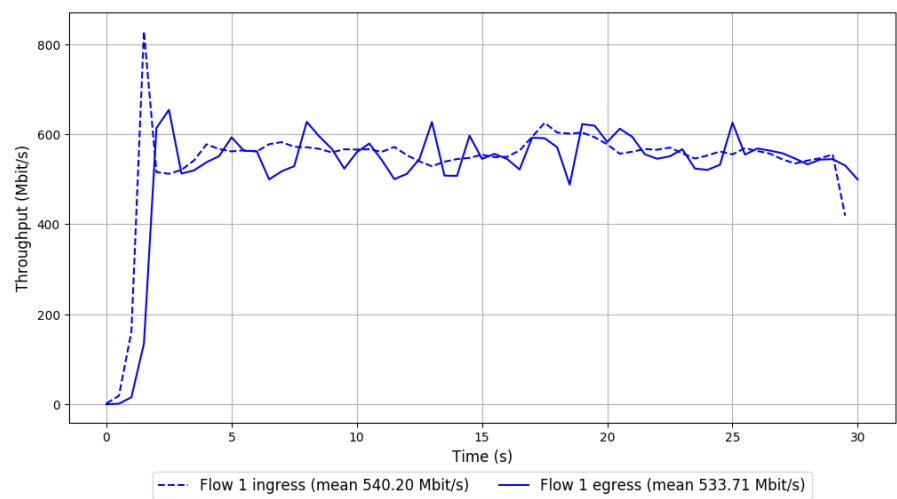
-- Flow 1:

Average throughput: 533.71 Mbit/s

95th percentile per-packet one-way delay: 145.230 ms

Loss rate: 1.20%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-20 06:24:40

End at: 2018-06-20 06:25:10

Local clock offset: -0.013 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-06-20 09:26:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.72 Mbit/s

95th percentile per-packet one-way delay: 133.721 ms

Loss rate: 0.83%

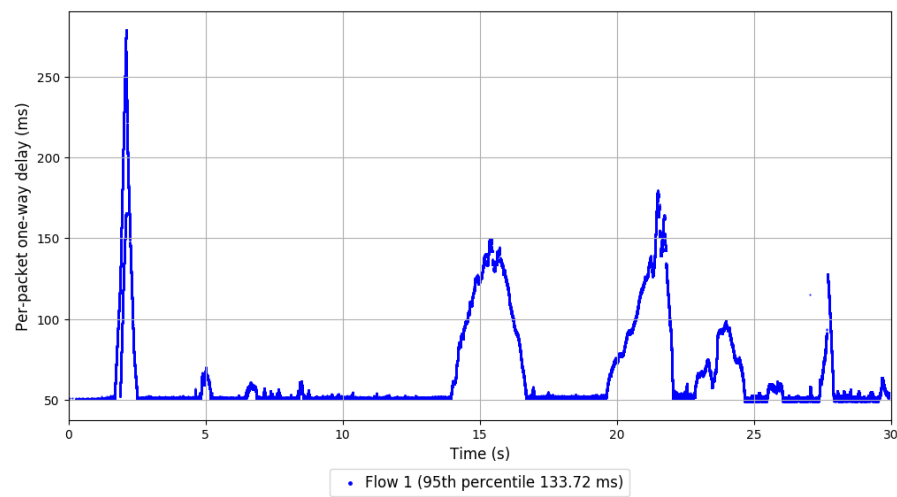
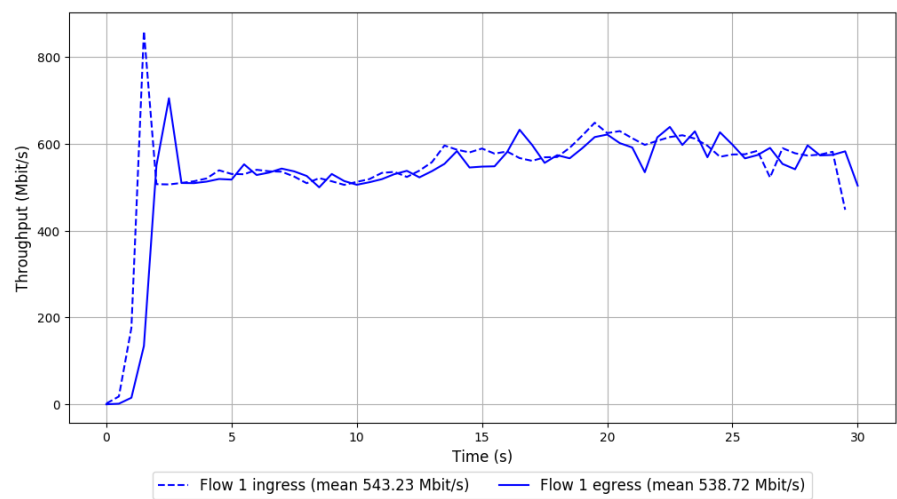
-- Flow 1:

Average throughput: 538.72 Mbit/s

95th percentile per-packet one-way delay: 133.721 ms

Loss rate: 0.83%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-20 06:45:26

End at: 2018-06-20 06:45:56

Local clock offset: -0.012 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-06-20 09:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.62 Mbit/s

95th percentile per-packet one-way delay: 133.788 ms

Loss rate: 1.26%

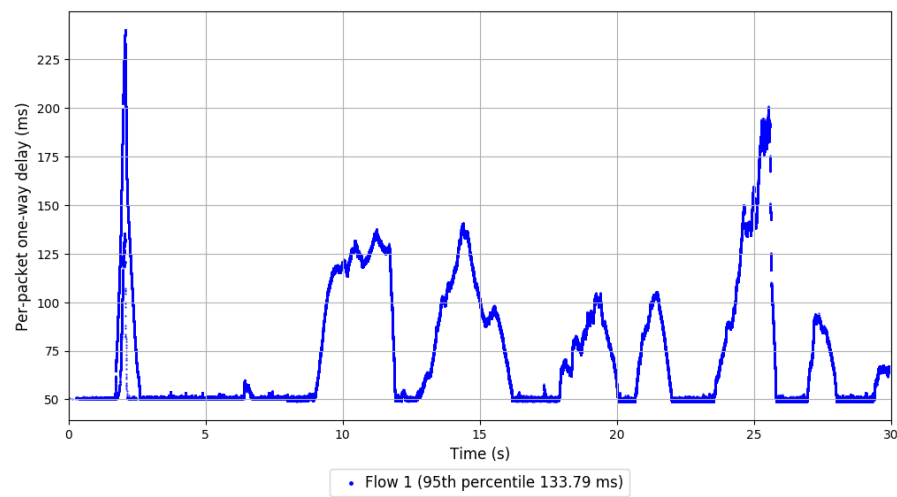
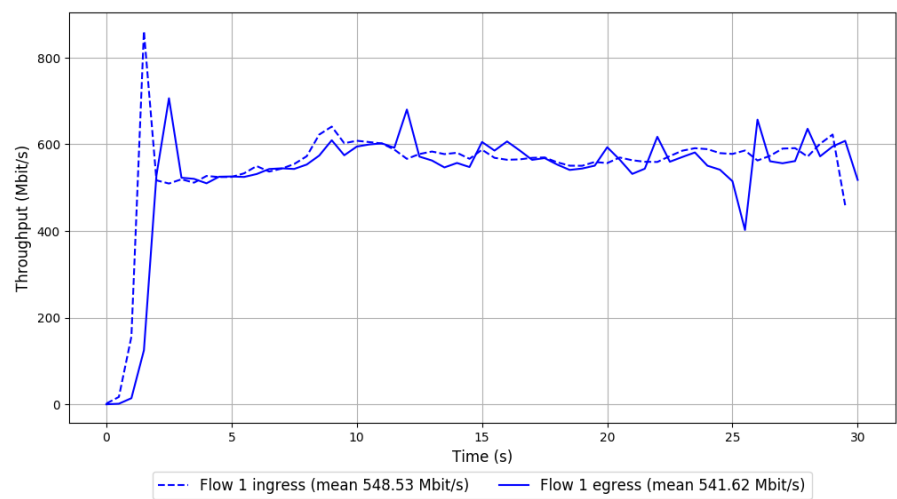
-- Flow 1:

Average throughput: 541.62 Mbit/s

95th percentile per-packet one-way delay: 133.788 ms

Loss rate: 1.26%

Run 6: Report of PCC-Allegro — Data Link

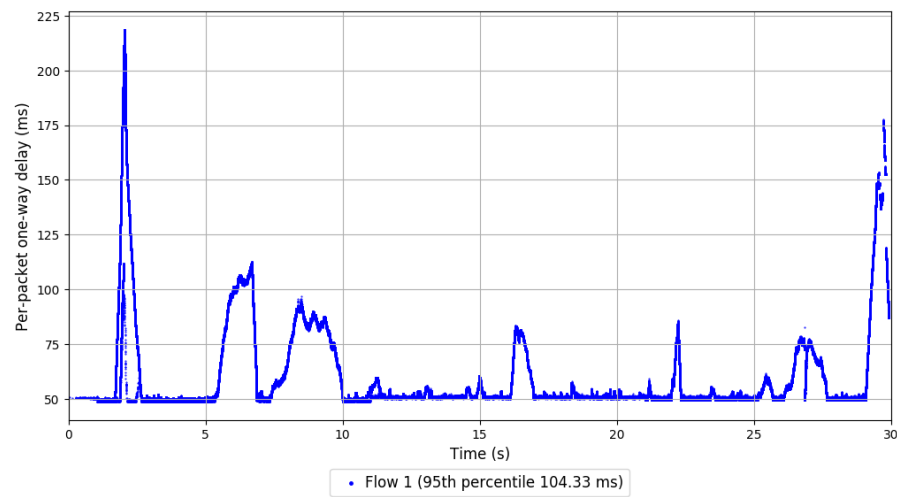
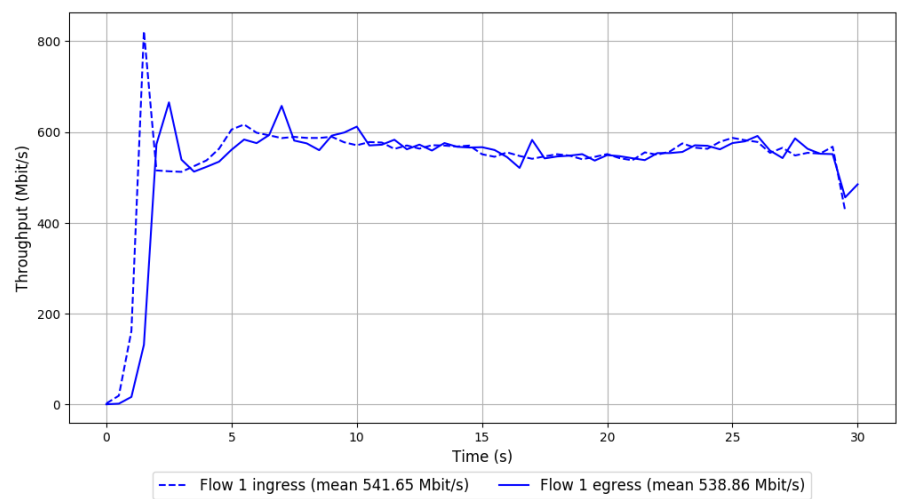


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-20 07:05:53
End at: 2018-06-20 07:06:23
Local clock offset: -0.028 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-06-20 09:33:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 538.86 Mbit/s
95th percentile per-packet one-way delay: 104.329 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 538.86 Mbit/s
95th percentile per-packet one-way delay: 104.329 ms
Loss rate: 0.51%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-20 07:26:21

End at: 2018-06-20 07:26:51

Local clock offset: 0.045 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-06-20 09:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.27 Mbit/s

95th percentile per-packet one-way delay: 139.657 ms

Loss rate: 1.16%

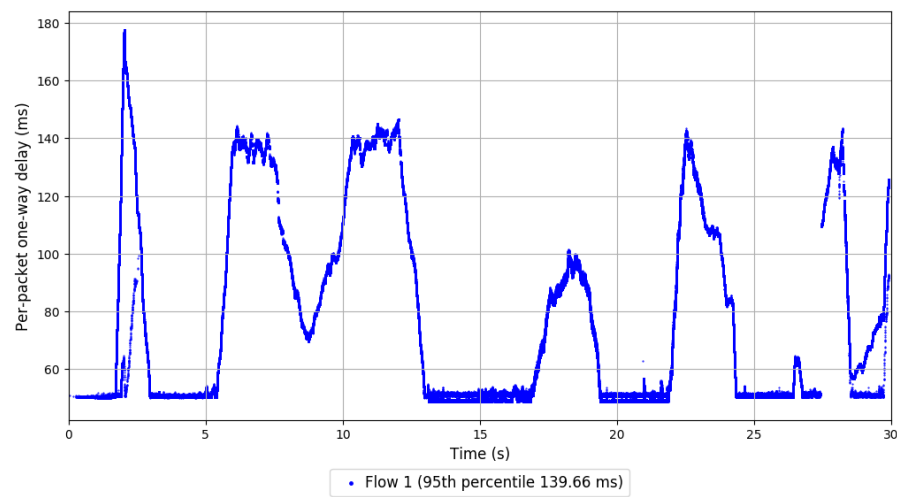
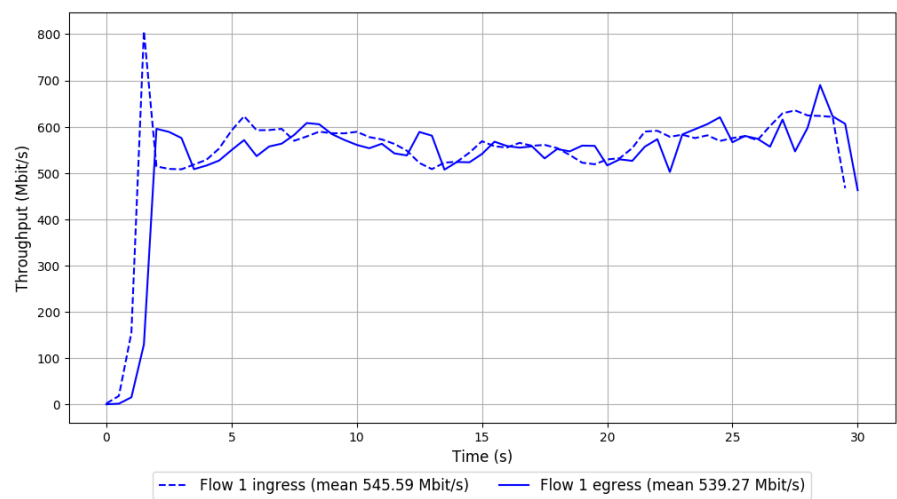
-- Flow 1:

Average throughput: 539.27 Mbit/s

95th percentile per-packet one-way delay: 139.657 ms

Loss rate: 1.16%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-20 07:47:06

End at: 2018-06-20 07:47:36

Local clock offset: -0.042 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-20 09:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 546.31 Mbit/s

95th percentile per-packet one-way delay: 102.381 ms

Loss rate: 0.51%

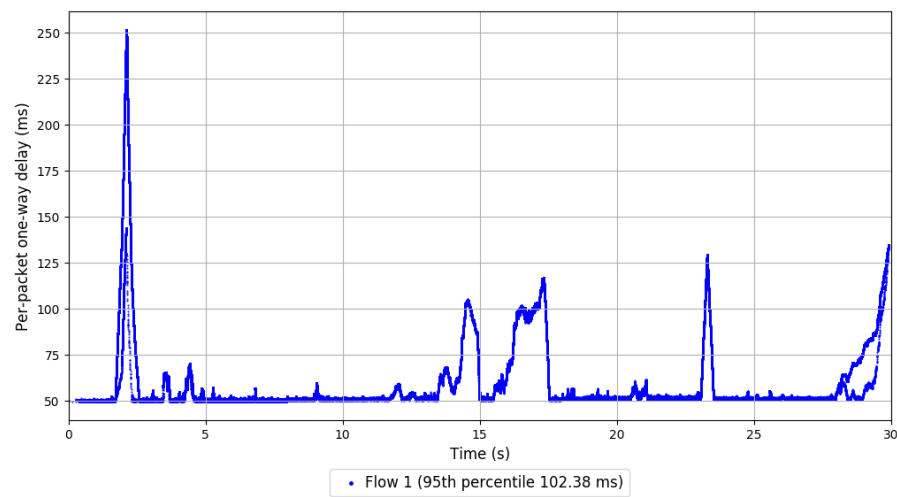
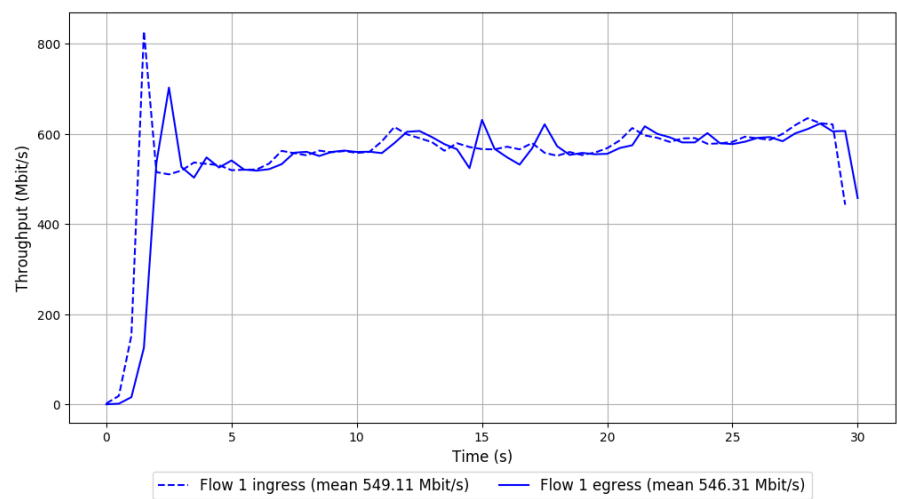
-- Flow 1:

Average throughput: 546.31 Mbit/s

95th percentile per-packet one-way delay: 102.381 ms

Loss rate: 0.51%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-20 08:07:45

End at: 2018-06-20 08:08:15

Local clock offset: -0.439 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-06-20 09:35:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 526.56 Mbit/s

95th percentile per-packet one-way delay: 126.592 ms

Loss rate: 1.01%

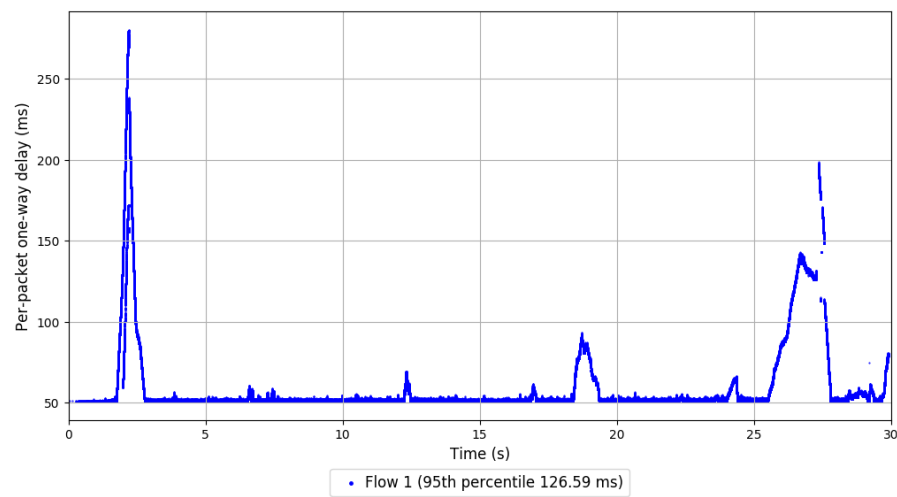
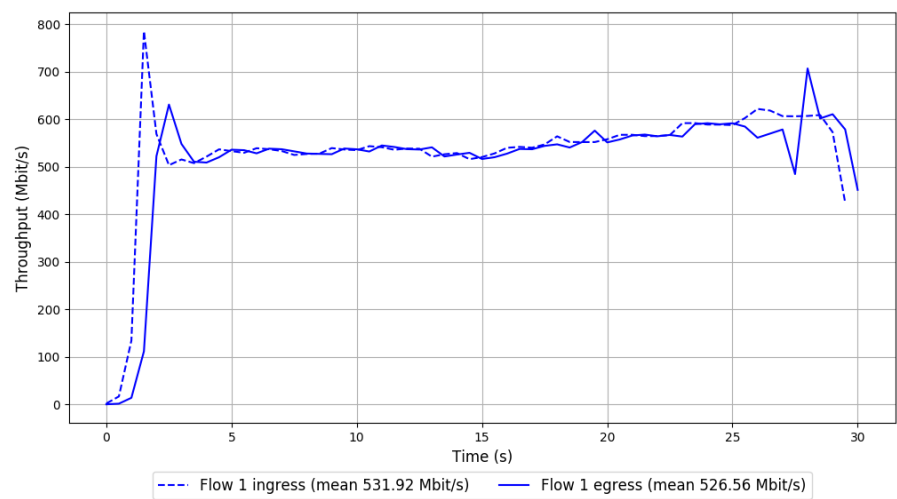
-- Flow 1:

Average throughput: 526.56 Mbit/s

95th percentile per-packet one-way delay: 126.592 ms

Loss rate: 1.01%

Run 10: Report of PCC-Allegro — Data Link

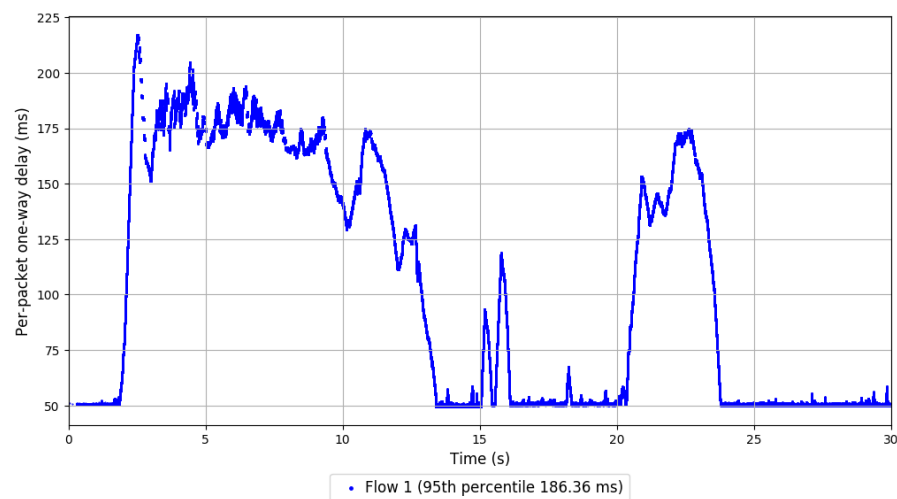
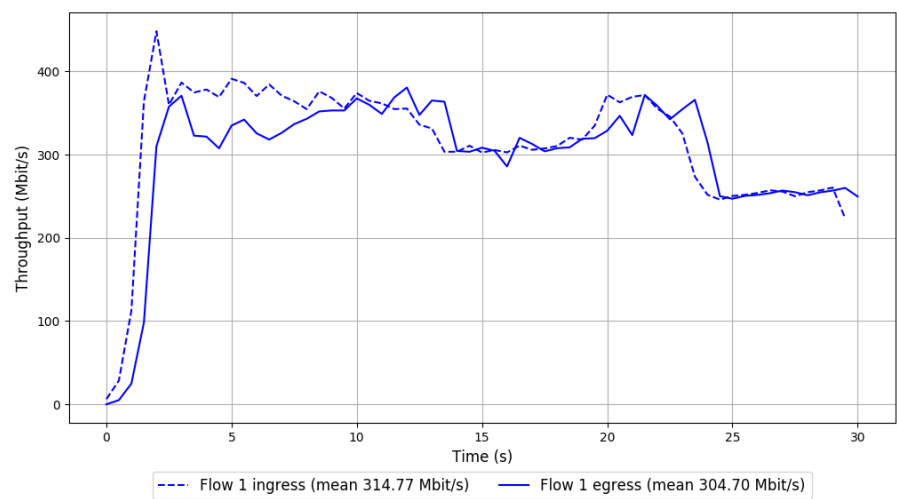


Run 1: Statistics of PCC-Expr

Start at: 2018-06-20 05:03:09
End at: 2018-06-20 05:03:39
Local clock offset: 0.081 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-20 09:35:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.70 Mbit/s
95th percentile per-packet one-way delay: 186.361 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 304.70 Mbit/s
95th percentile per-packet one-way delay: 186.361 ms
Loss rate: 3.20%

Run 1: Report of PCC-Expr — Data Link

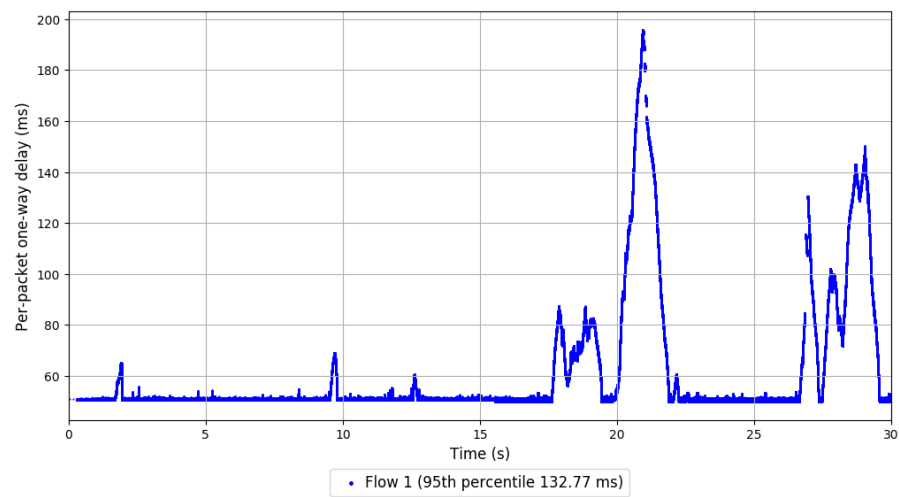
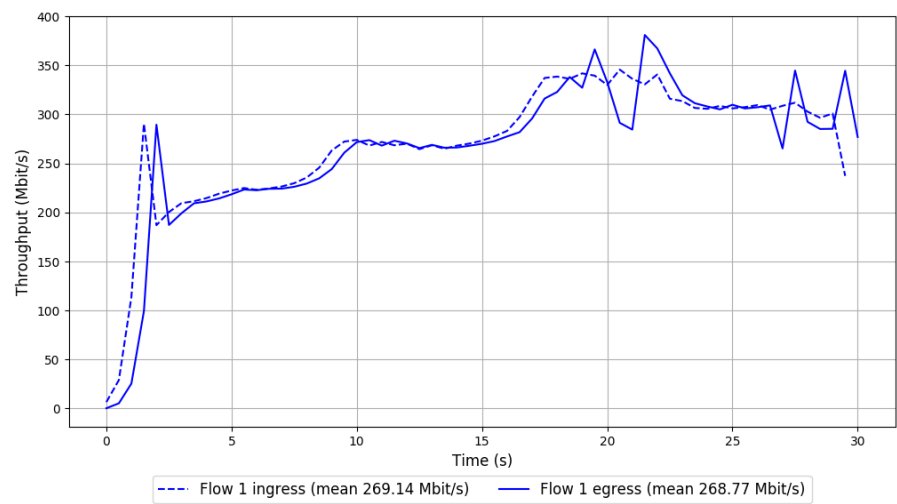


Run 2: Statistics of PCC-Expr

Start at: 2018-06-20 05:23:58
End at: 2018-06-20 05:24:28
Local clock offset: -0.235 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-20 09:35:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.77 Mbit/s
95th percentile per-packet one-way delay: 132.768 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 268.77 Mbit/s
95th percentile per-packet one-way delay: 132.768 ms
Loss rate: 0.14%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-20 05:44:37

End at: 2018-06-20 05:45:07

Local clock offset: 0.086 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-20 09:35:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.25 Mbit/s

95th percentile per-packet one-way delay: 78.480 ms

Loss rate: 0.01%

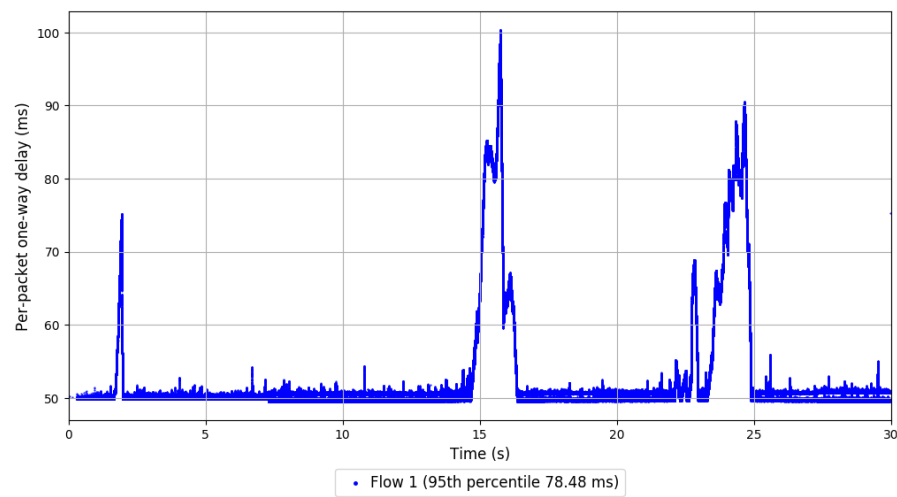
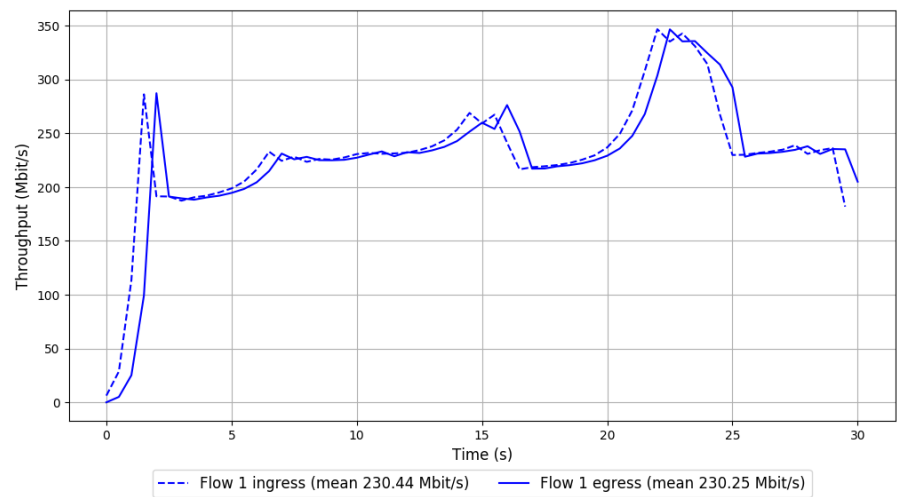
-- Flow 1:

Average throughput: 230.25 Mbit/s

95th percentile per-packet one-way delay: 78.480 ms

Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-20 06:05:21

End at: 2018-06-20 06:05:51

Local clock offset: 0.027 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-06-20 09:35:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.36 Mbit/s

95th percentile per-packet one-way delay: 56.162 ms

Loss rate: 0.00%

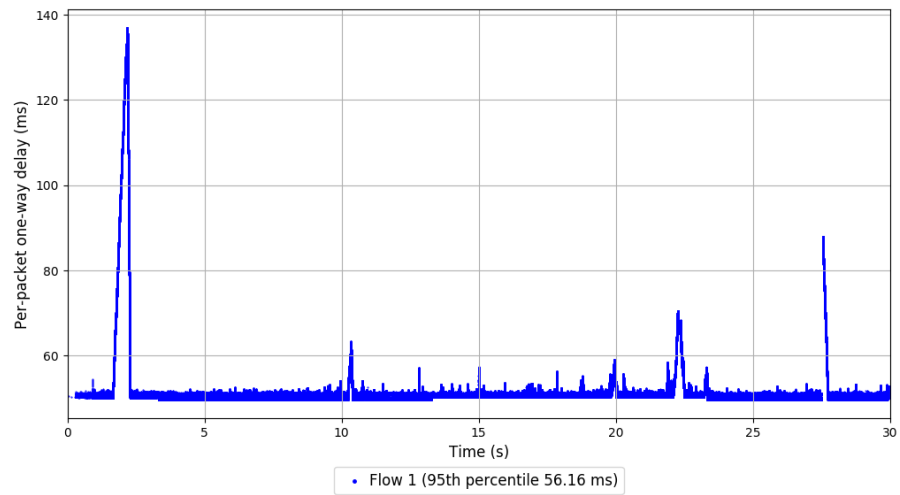
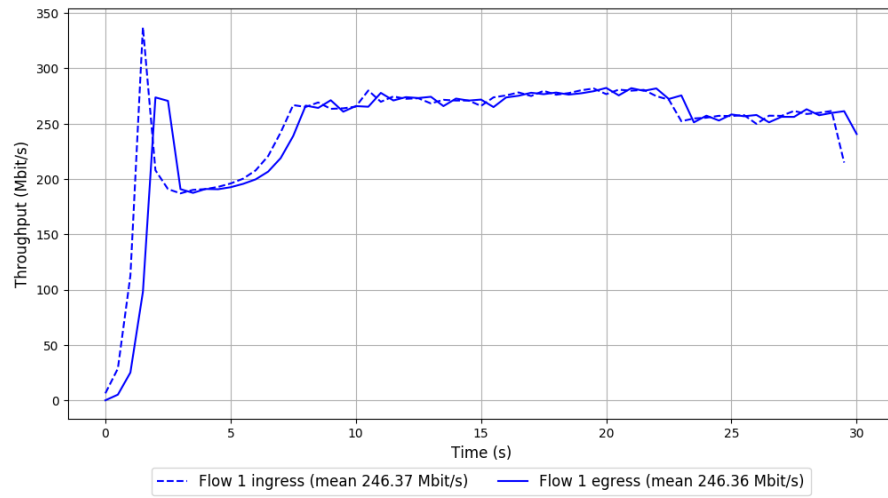
-- Flow 1:

Average throughput: 246.36 Mbit/s

95th percentile per-packet one-way delay: 56.162 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-20 06:26:04

End at: 2018-06-20 06:26:34

Local clock offset: 0.023 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-20 09:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.68 Mbit/s

95th percentile per-packet one-way delay: 174.225 ms

Loss rate: 4.73%

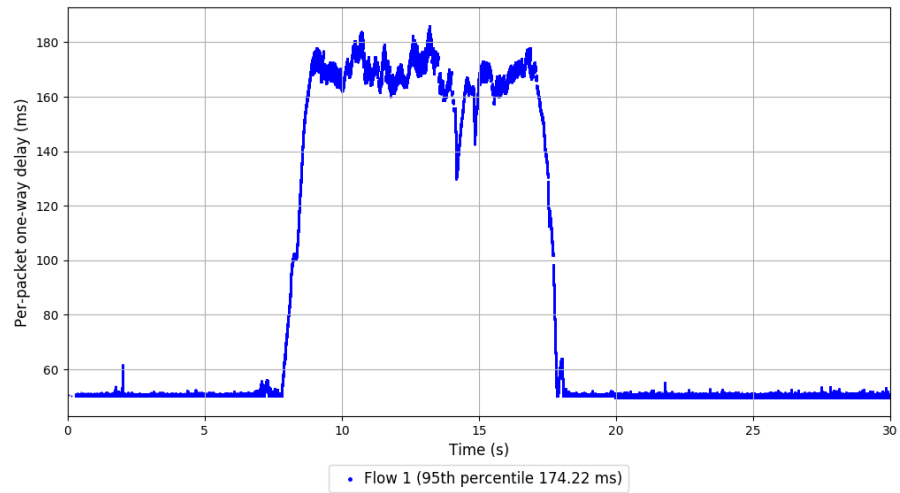
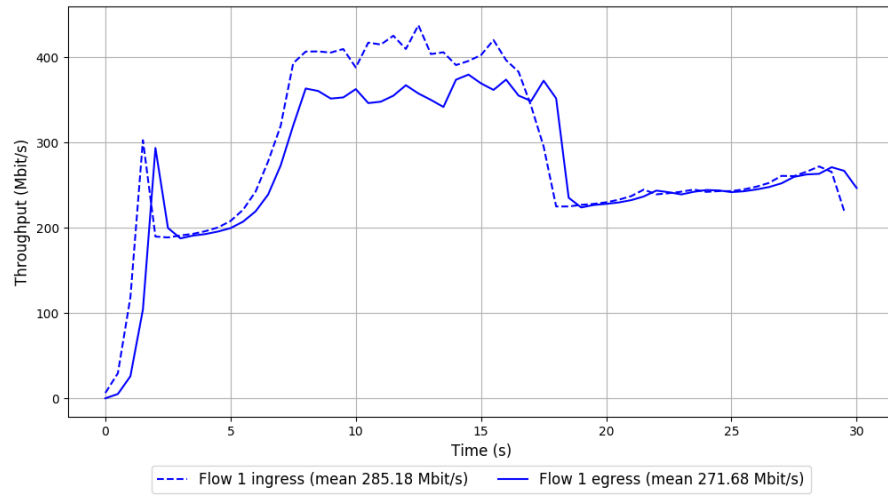
-- Flow 1:

Average throughput: 271.68 Mbit/s

95th percentile per-packet one-way delay: 174.225 ms

Loss rate: 4.73%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-20 06:46:50

End at: 2018-06-20 06:47:20

Local clock offset: -0.04 ms

Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-06-20 09:42:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.02 Mbit/s

95th percentile per-packet one-way delay: 150.217 ms

Loss rate: 0.00%

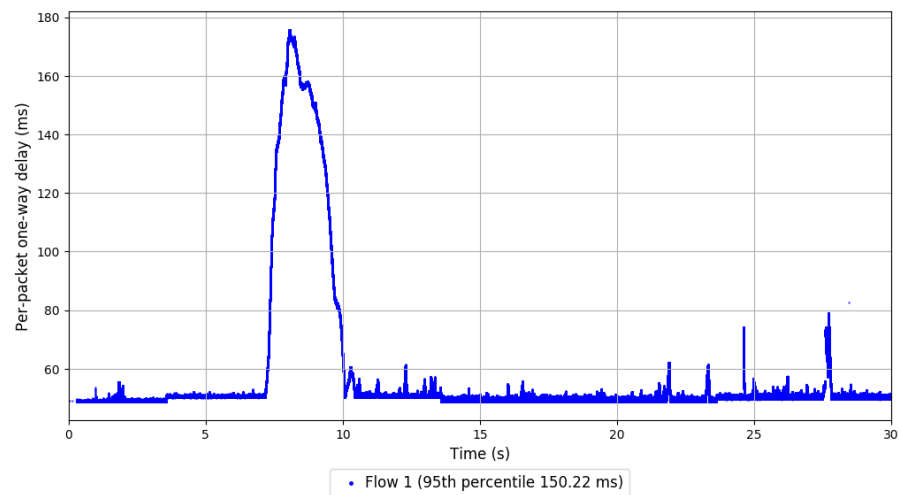
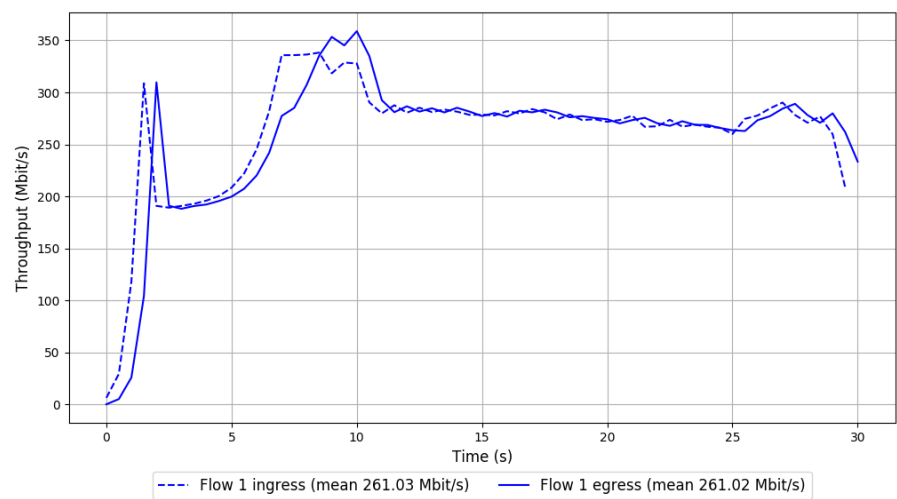
-- Flow 1:

Average throughput: 261.02 Mbit/s

95th percentile per-packet one-way delay: 150.217 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

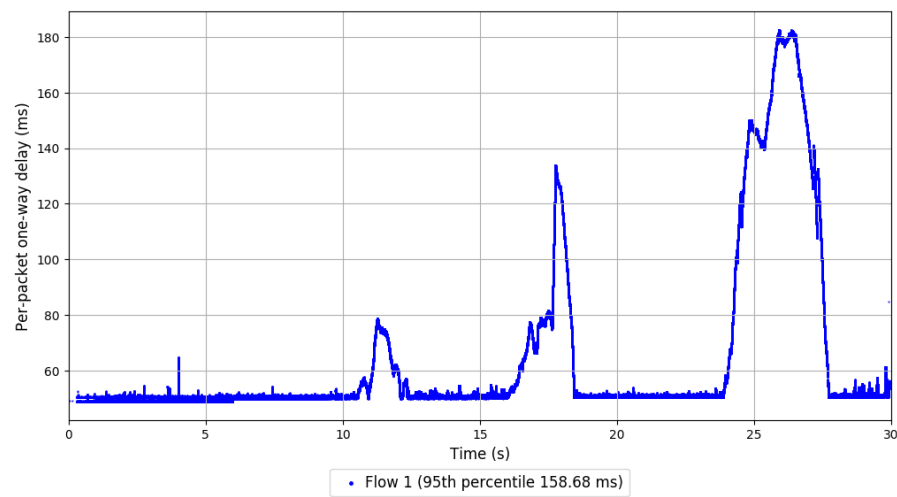
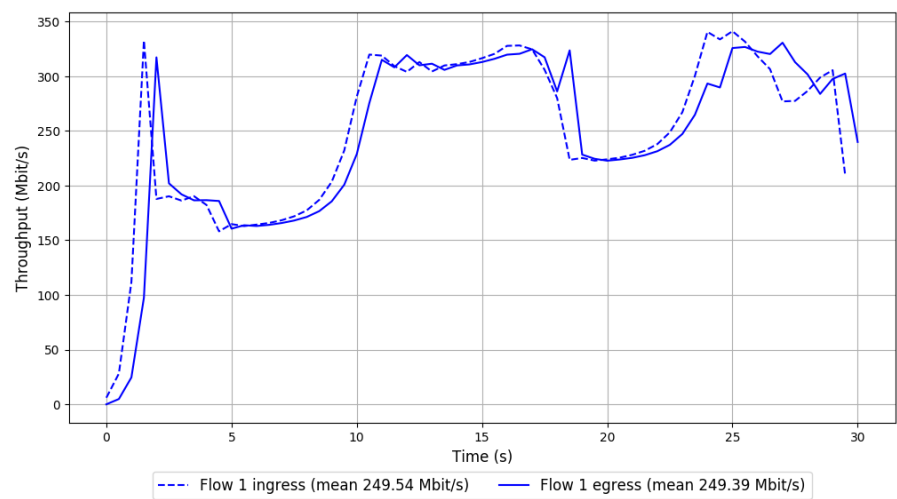


Run 7: Statistics of PCC-Expr

Start at: 2018-06-20 07:07:18
End at: 2018-06-20 07:07:48
Local clock offset: -0.044 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-20 09:42:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.39 Mbit/s
95th percentile per-packet one-way delay: 158.680 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 249.39 Mbit/s
95th percentile per-packet one-way delay: 158.680 ms
Loss rate: 0.05%

Run 7: Report of PCC-Expr — Data Link

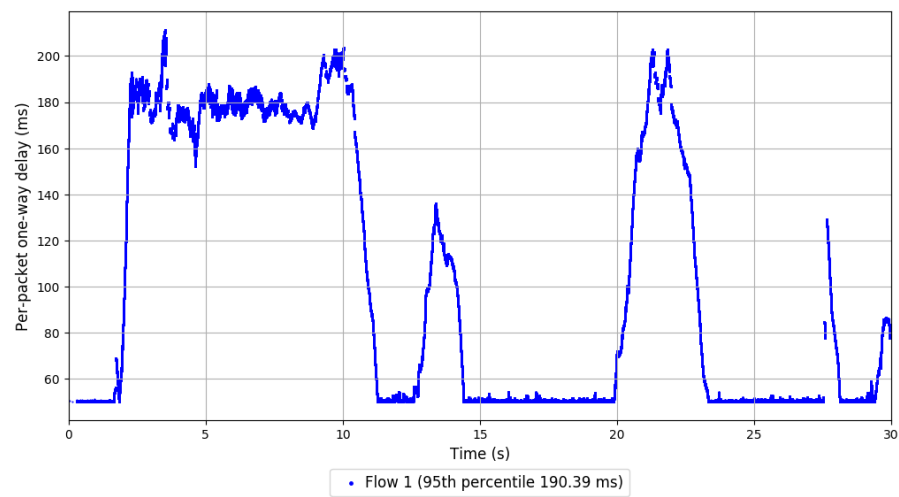
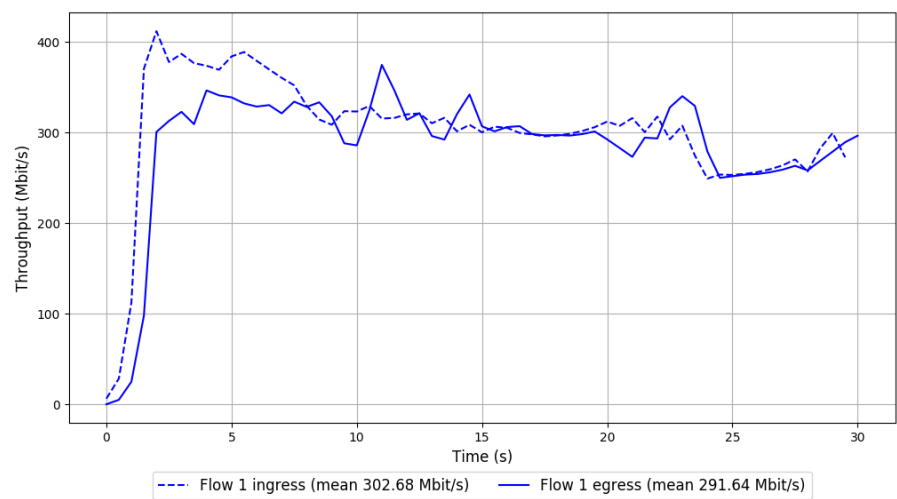


Run 8: Statistics of PCC-Expr

Start at: 2018-06-20 07:27:46
End at: 2018-06-20 07:28:16
Local clock offset: 0.046 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-20 09:43:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.64 Mbit/s
95th percentile per-packet one-way delay: 190.393 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 291.64 Mbit/s
95th percentile per-packet one-way delay: 190.393 ms
Loss rate: 3.65%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-20 07:48:30

End at: 2018-06-20 07:49:00

Local clock offset: -0.021 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.81 Mbit/s

95th percentile per-packet one-way delay: 183.649 ms

Loss rate: 1.00%

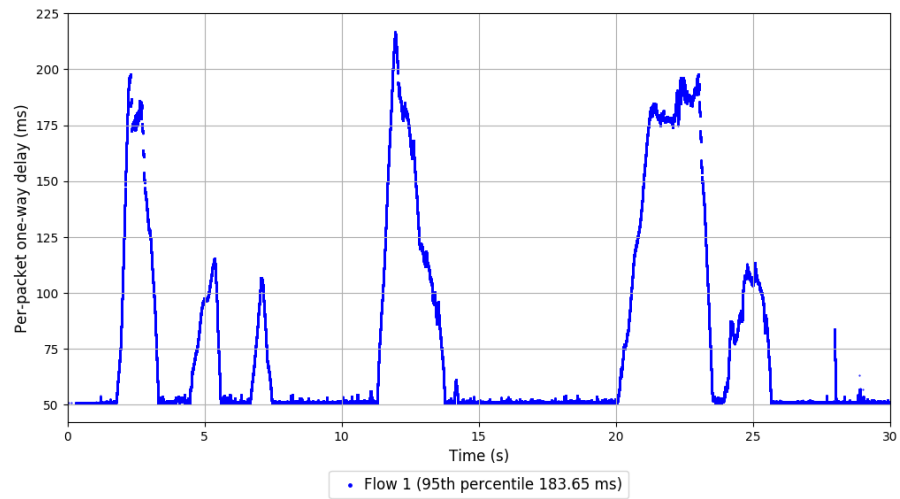
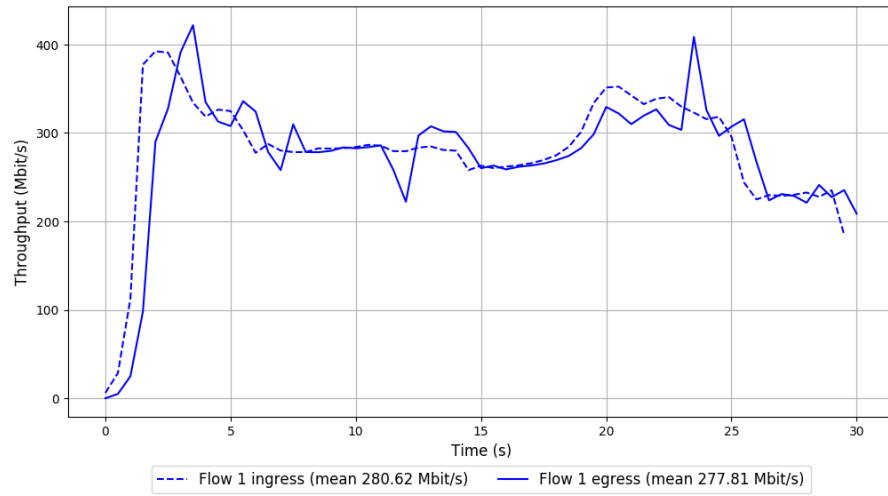
-- Flow 1:

Average throughput: 277.81 Mbit/s

95th percentile per-packet one-way delay: 183.649 ms

Loss rate: 1.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-20 08:09:09

End at: 2018-06-20 08:09:39

Local clock offset: -0.031 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.02 Mbit/s

95th percentile per-packet one-way delay: 178.713 ms

Loss rate: 1.91%

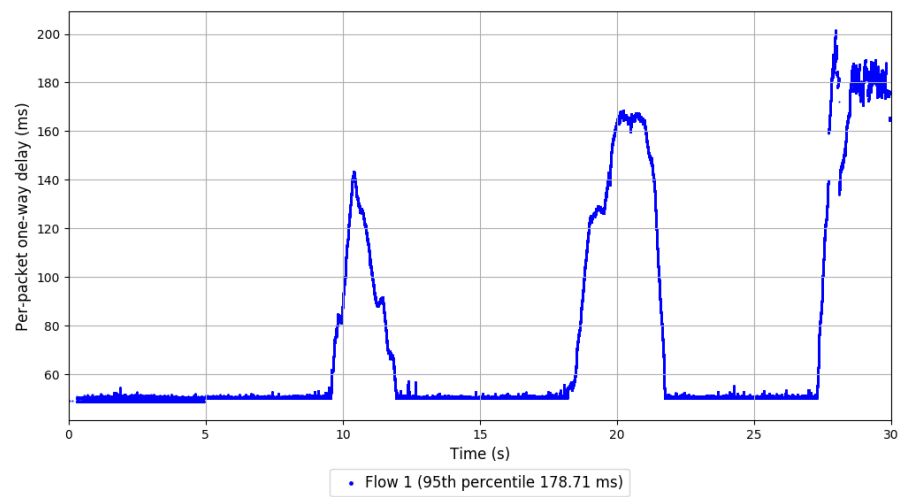
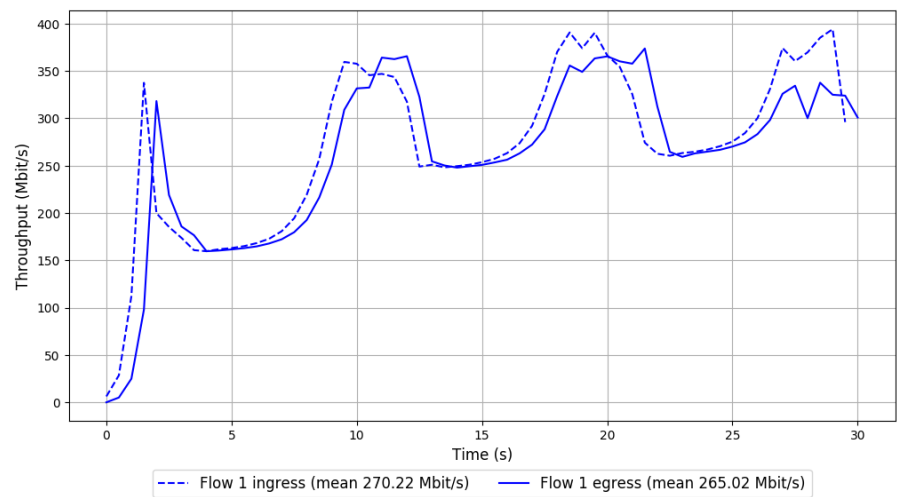
-- Flow 1:

Average throughput: 265.02 Mbit/s

95th percentile per-packet one-way delay: 178.713 ms

Loss rate: 1.91%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-20 05:07:15

End at: 2018-06-20 05:07:45

Local clock offset: 0.079 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 50.693 ms

Loss rate: 0.00%

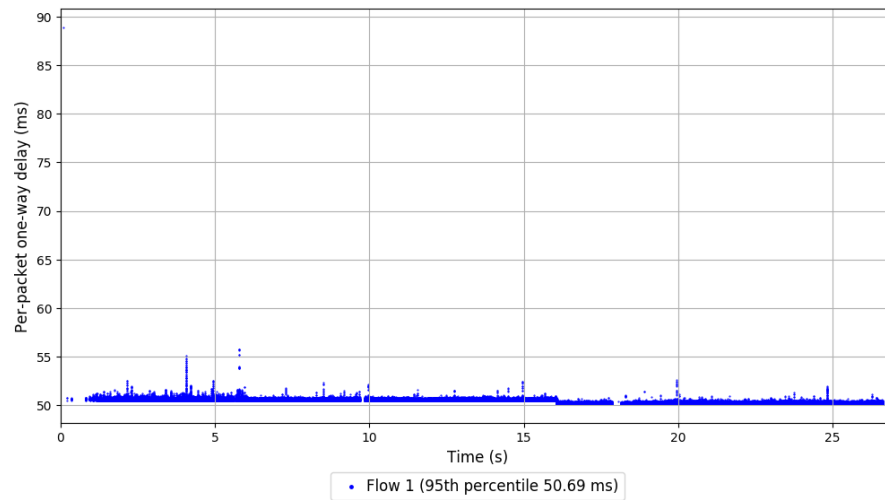
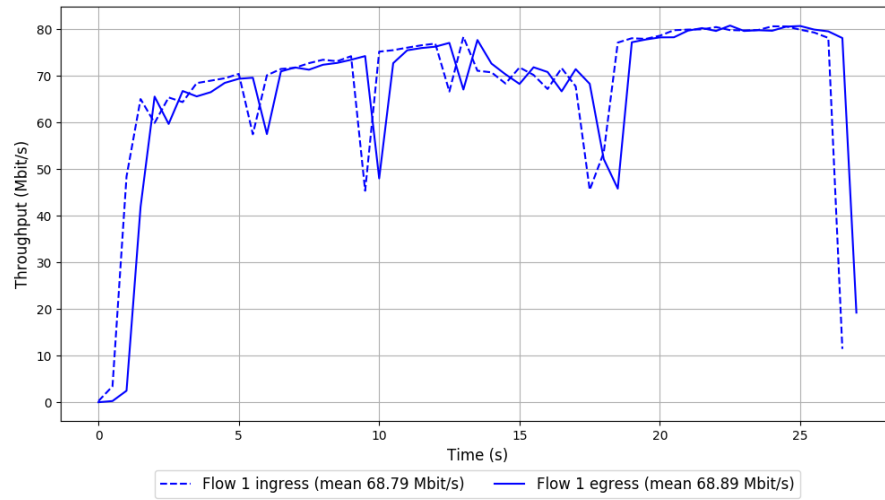
-- Flow 1:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 50.693 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

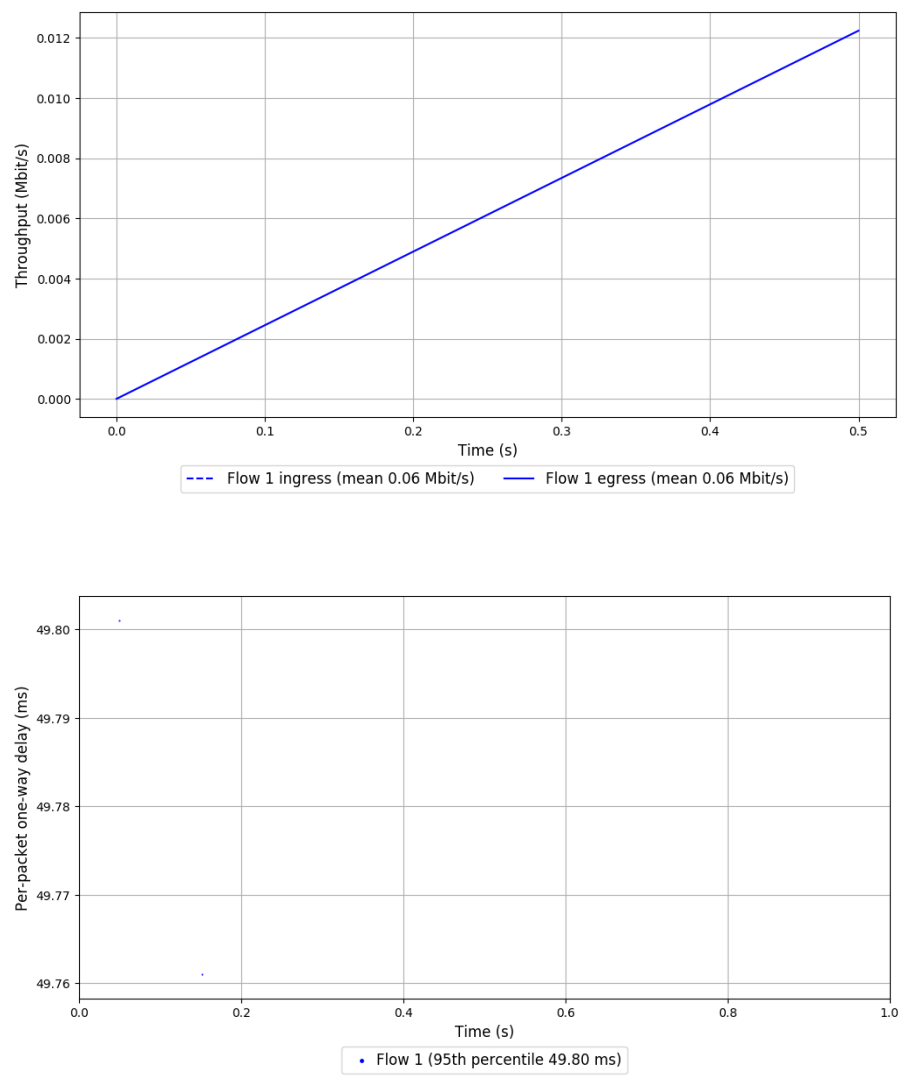
Start at: 2018-06-20 05:28:01

End at: 2018-06-20 05:28:31

Local clock offset: 0.176 ms

Remote clock offset: -0.019 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-20 05:48:37

End at: 2018-06-20 05:49:07

Local clock offset: 0.46 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 49.423 ms

Loss rate: 0.00%

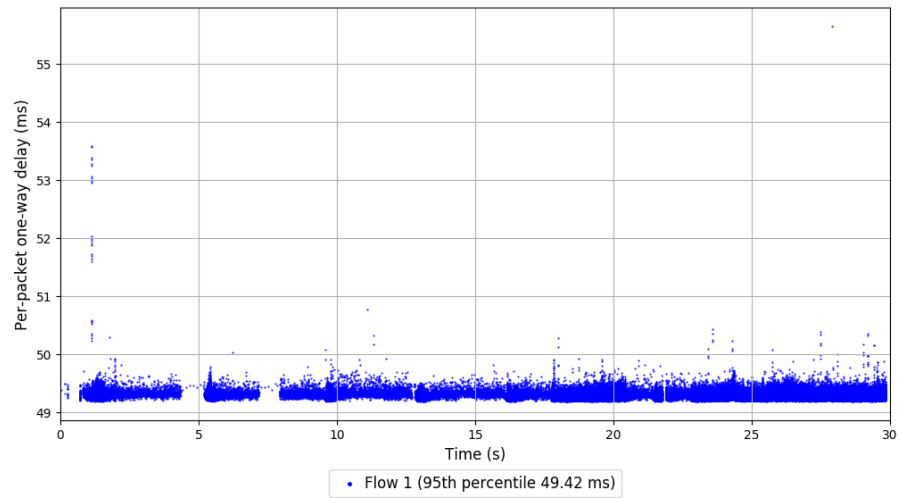
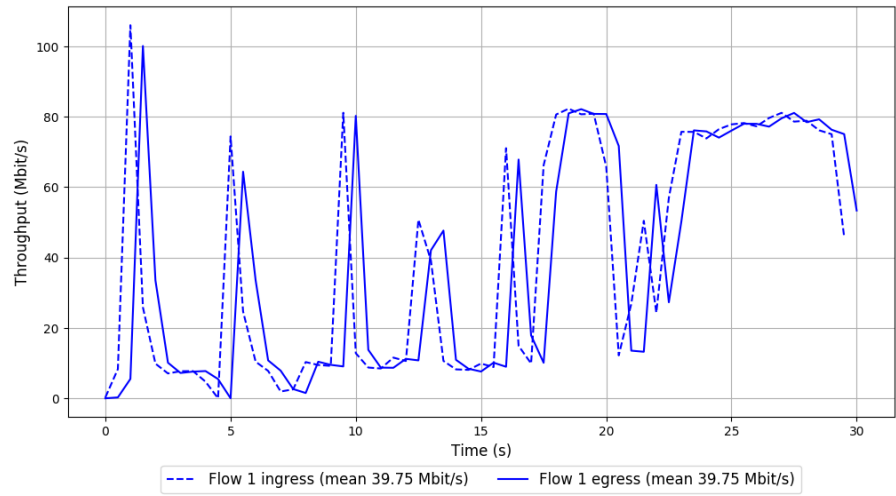
-- Flow 1:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 49.423 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-20 06:09:23

End at: 2018-06-20 06:09:53

Local clock offset: 0.014 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.17 Mbit/s

95th percentile per-packet one-way delay: 50.346 ms

Loss rate: 0.00%

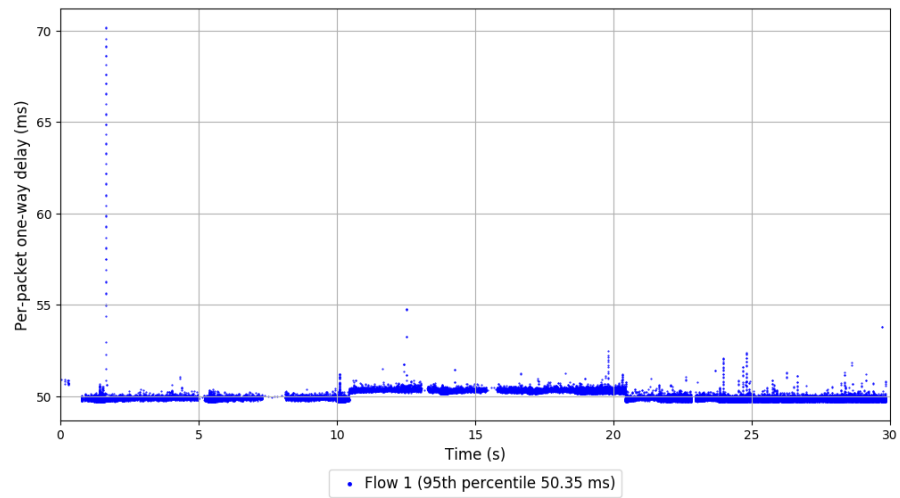
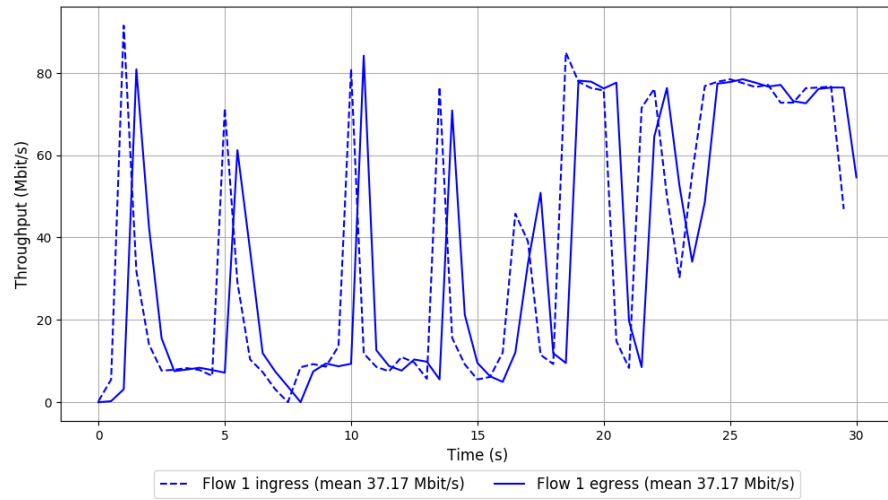
-- Flow 1:

Average throughput: 37.17 Mbit/s

95th percentile per-packet one-way delay: 50.346 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-20 06:30:08

End at: 2018-06-20 06:30:38

Local clock offset: 0.033 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 50.737 ms

Loss rate: 0.00%

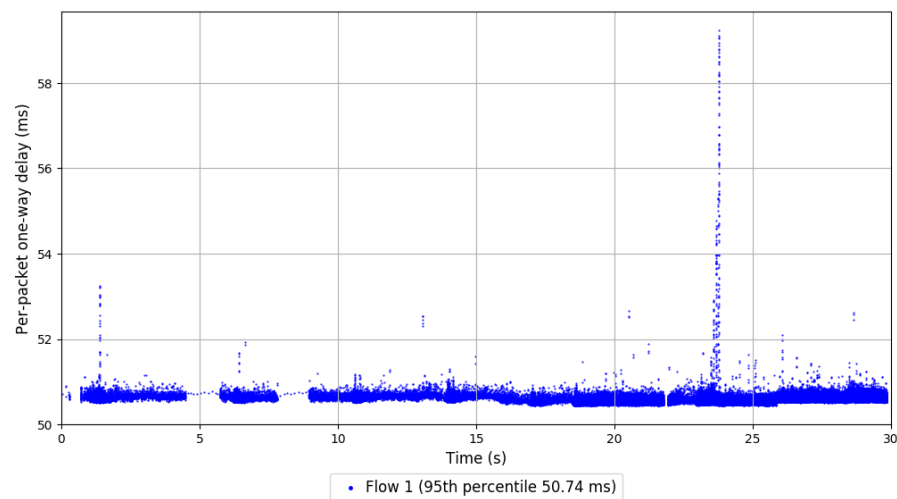
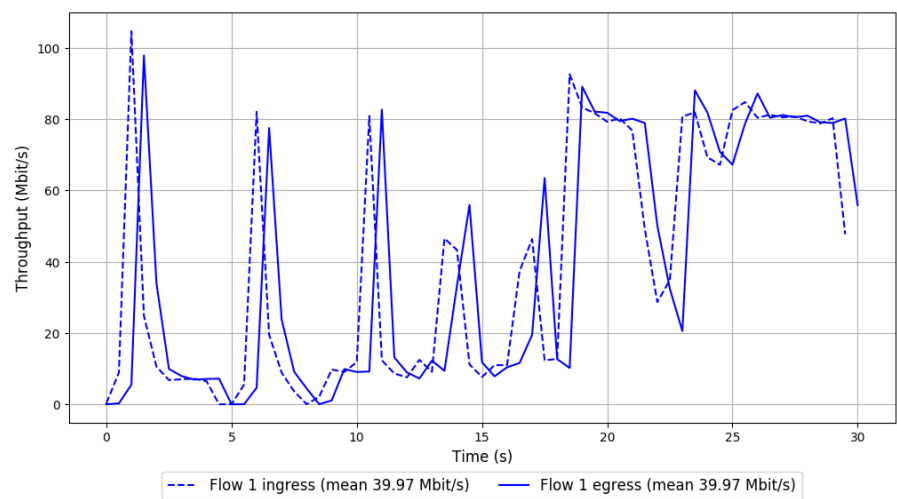
-- Flow 1:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 50.737 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-20 06:50:55

End at: 2018-06-20 06:51:25

Local clock offset: -0.069 ms

Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.38 Mbit/s

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

Loss rate: 0.00%

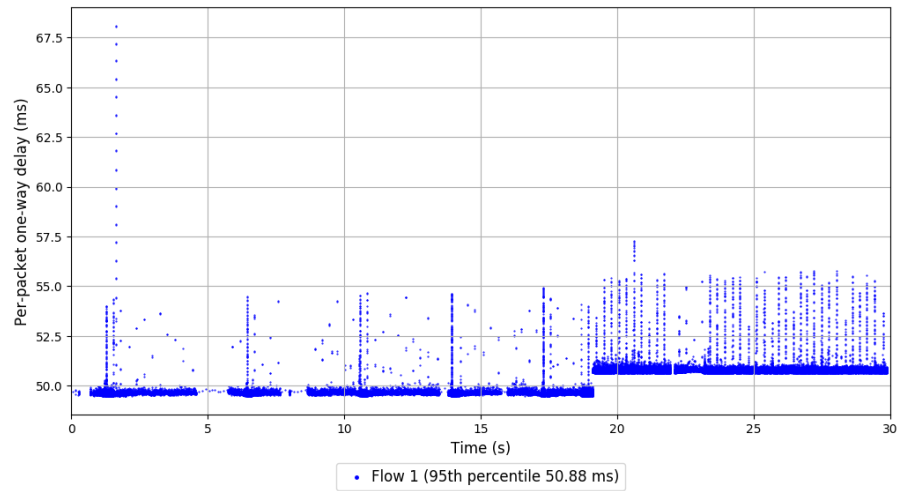
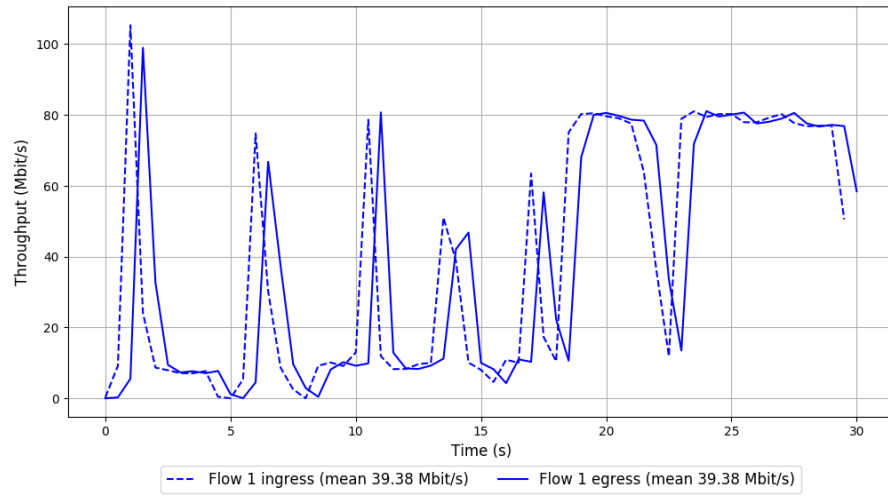
-- Flow 1:

Average throughput: 39.38 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

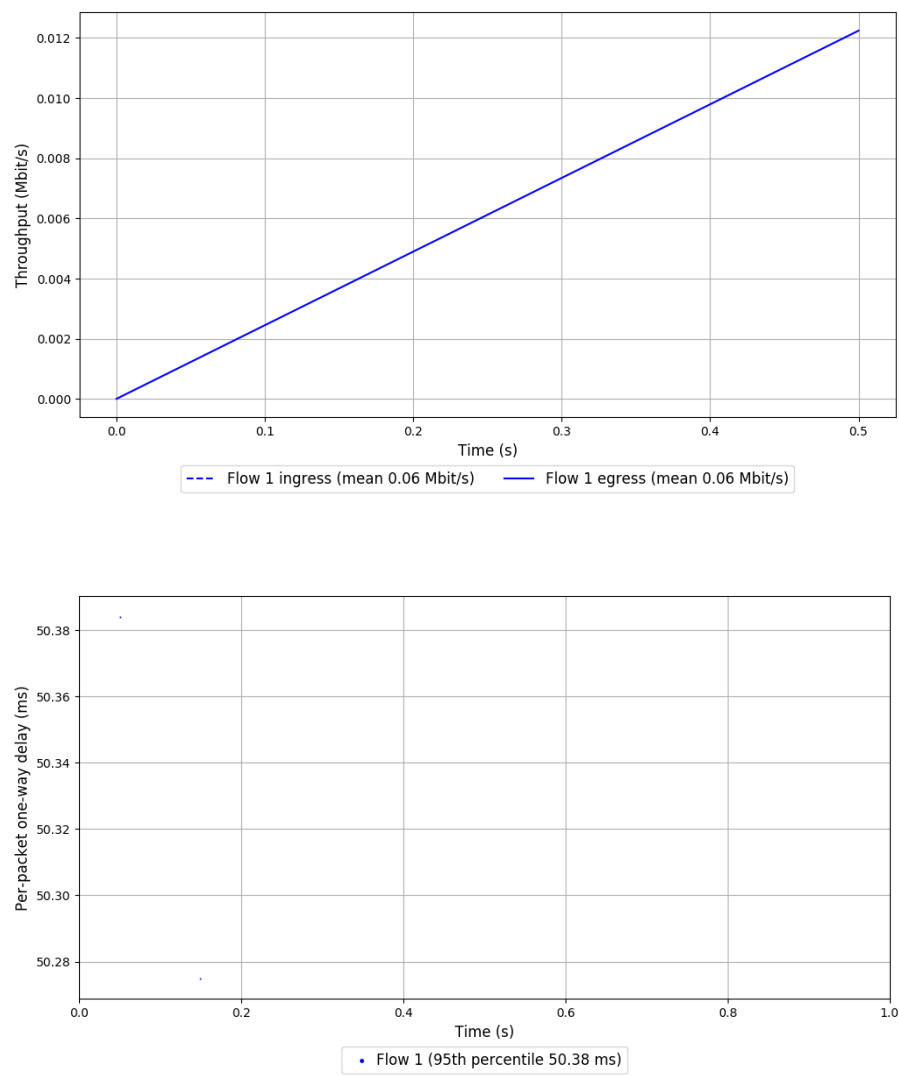
Start at: 2018-06-20 07:11:20

End at: 2018-06-20 07:11:50

Local clock offset: 0.049 ms

Remote clock offset: -0.035 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-20 07:31:52

End at: 2018-06-20 07:32:22

Local clock offset: -0.323 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.82 Mbit/s

95th percentile per-packet one-way delay: 51.488 ms

Loss rate: 0.00%

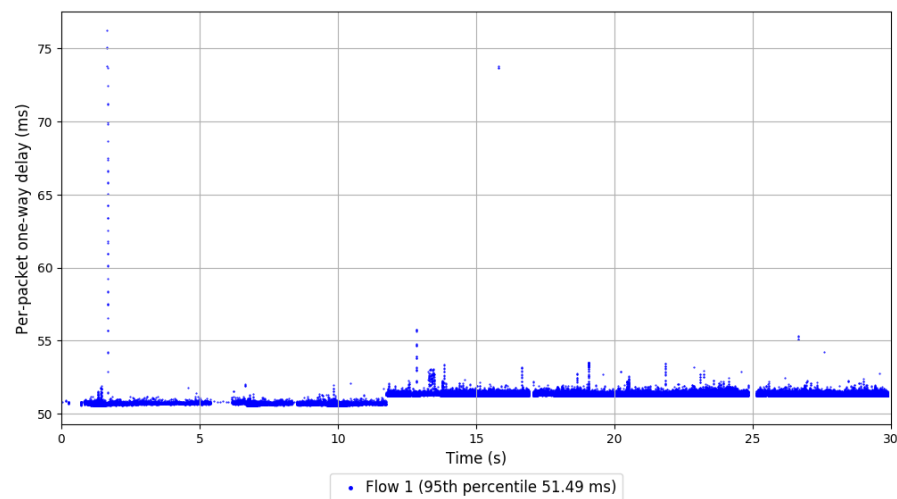
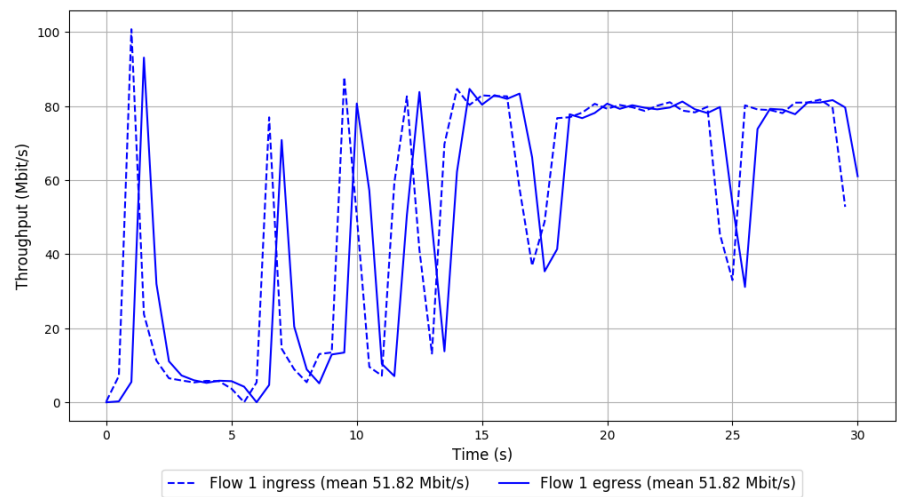
-- Flow 1:

Average throughput: 51.82 Mbit/s

95th percentile per-packet one-way delay: 51.488 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-20 07:52:35

End at: 2018-06-20 07:53:05

Local clock offset: -0.368 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.75 Mbit/s

95th percentile per-packet one-way delay: 50.554 ms

Loss rate: 0.00%

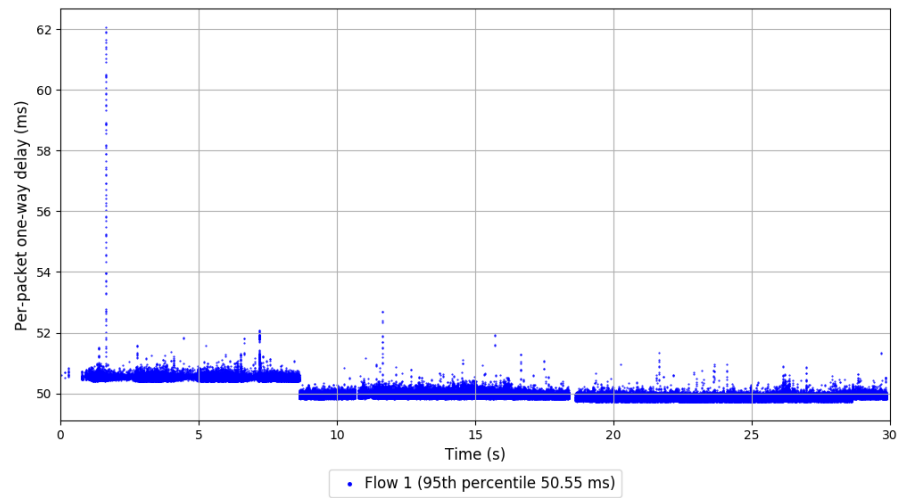
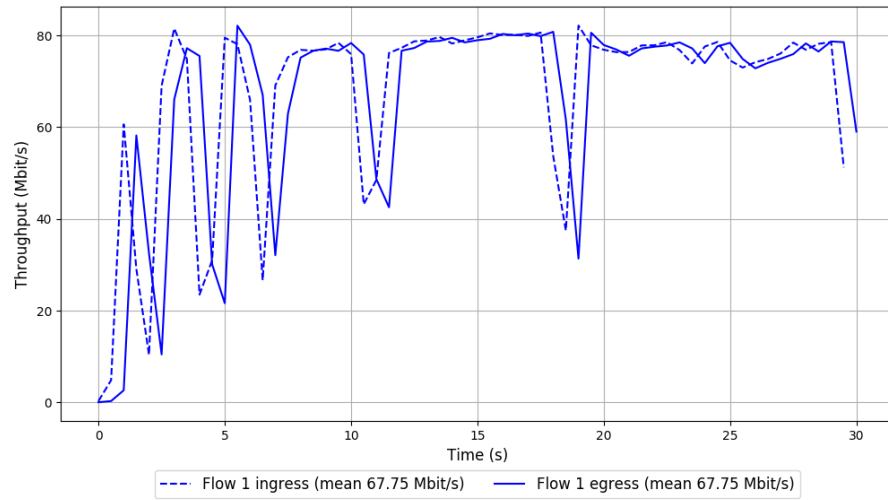
-- Flow 1:

Average throughput: 67.75 Mbit/s

95th percentile per-packet one-way delay: 50.554 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

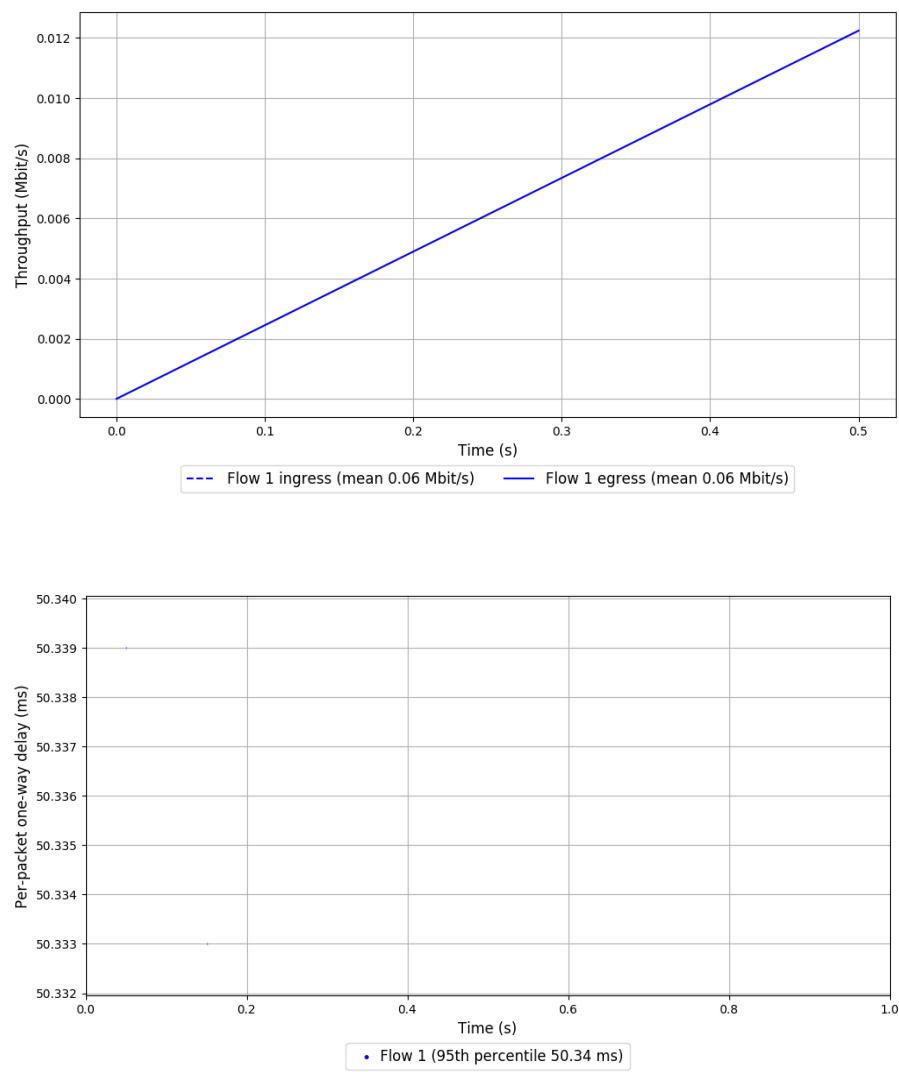
Start at: 2018-06-20 08:13:15

End at: 2018-06-20 08:13:45

Local clock offset: -0.047 ms

Remote clock offset: -0.005 ms

Run 10: Report of QUIC Cubic — Data Link

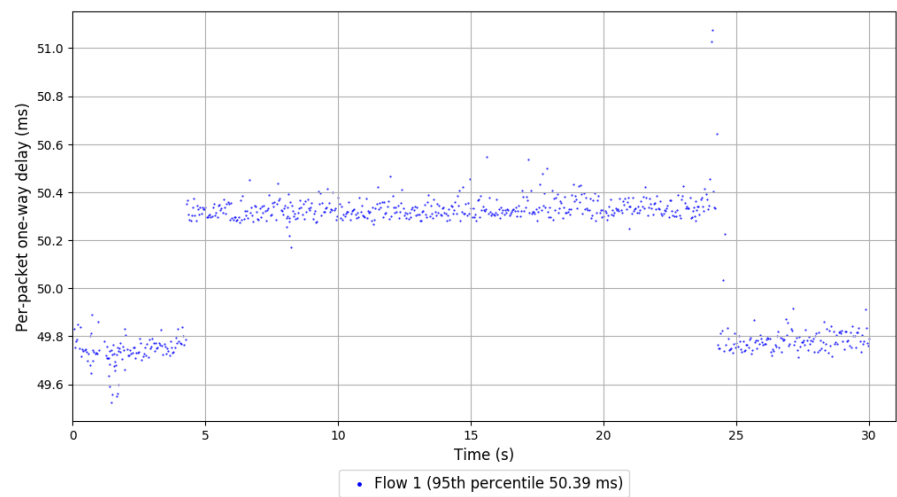
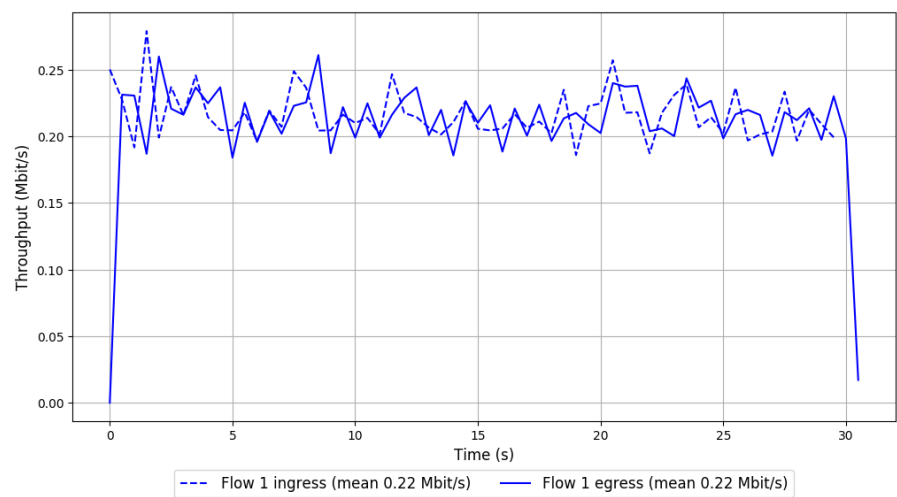


Run 1: Statistics of SCReAM

Start at: 2018-06-20 05:14:40
End at: 2018-06-20 05:15:10
Local clock offset: 0.111 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-20 09:43:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.389 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-20 05:35:22

End at: 2018-06-20 05:35:52

Local clock offset: -0.272 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.942 ms

Loss rate: 0.00%

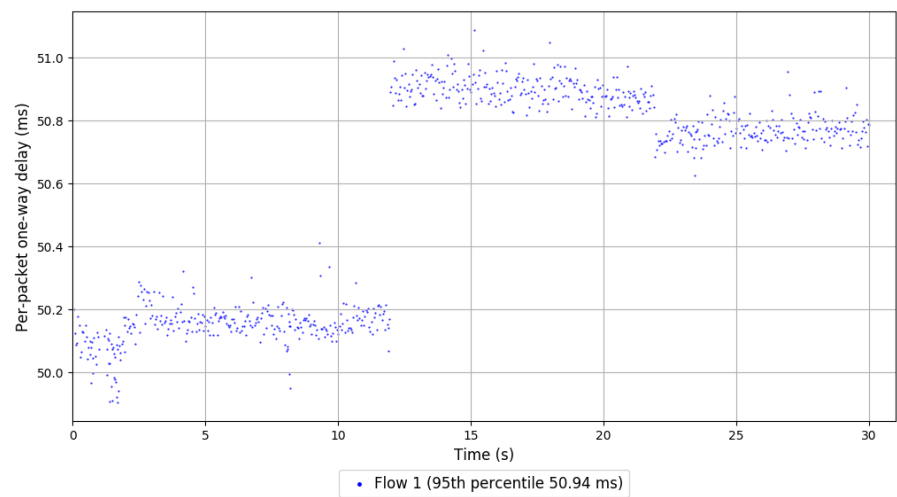
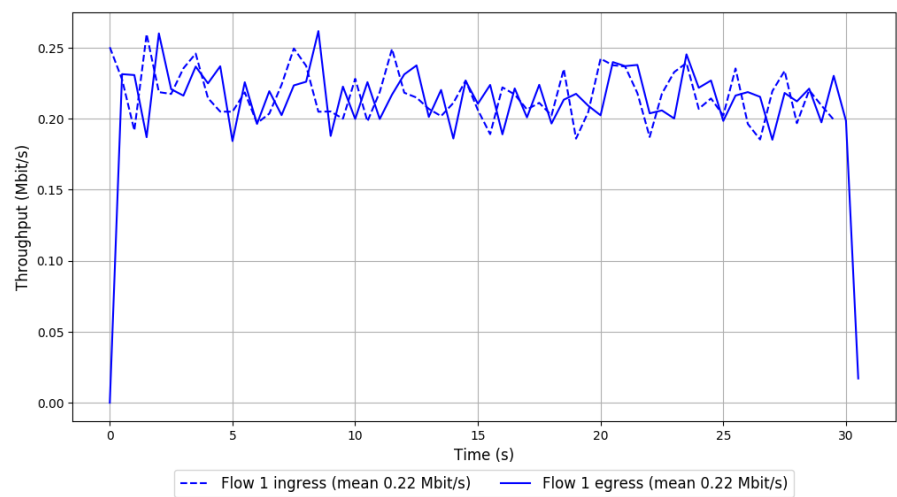
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.942 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-20 05:56:07

End at: 2018-06-20 05:56:37

Local clock offset: 0.062 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.00%

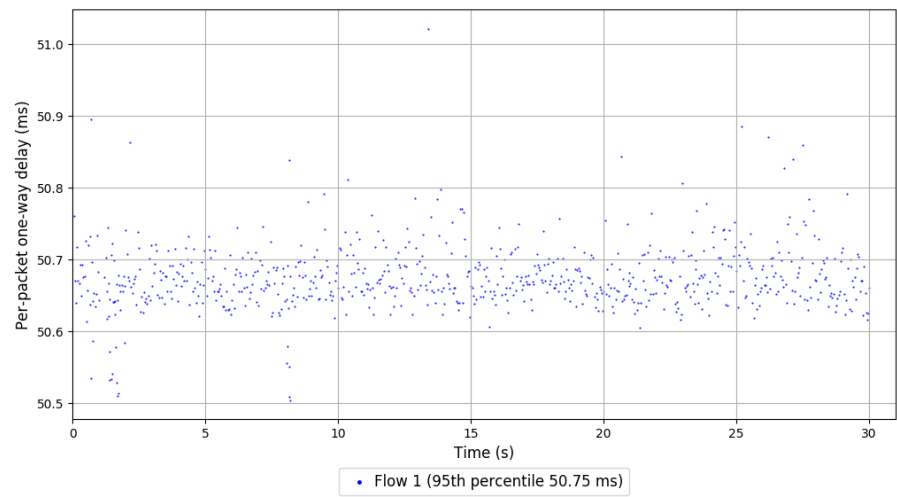
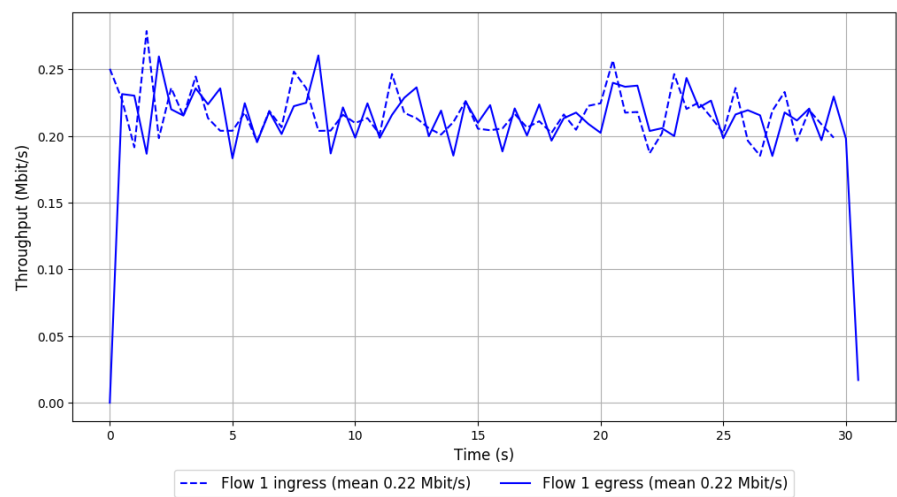
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

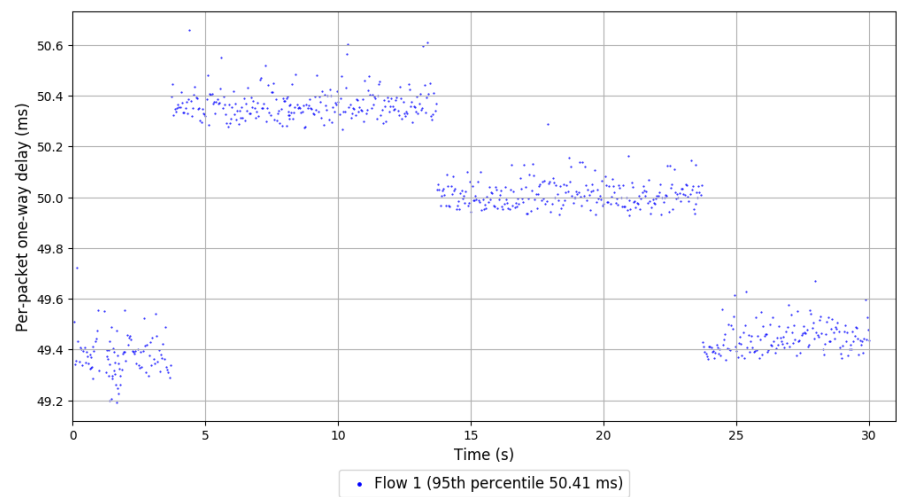
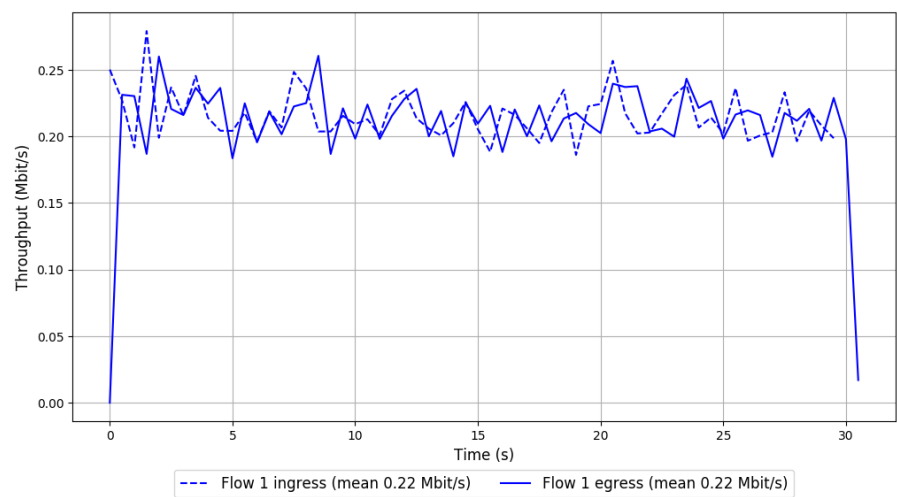


Run 4: Statistics of SCReAM

Start at: 2018-06-20 06:16:50
End at: 2018-06-20 06:17:20
Local clock offset: 0.381 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-20 09:43:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

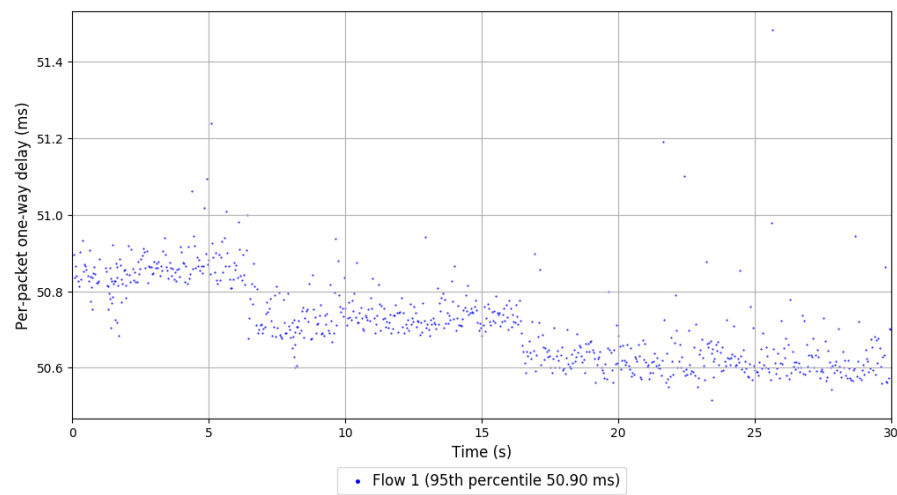
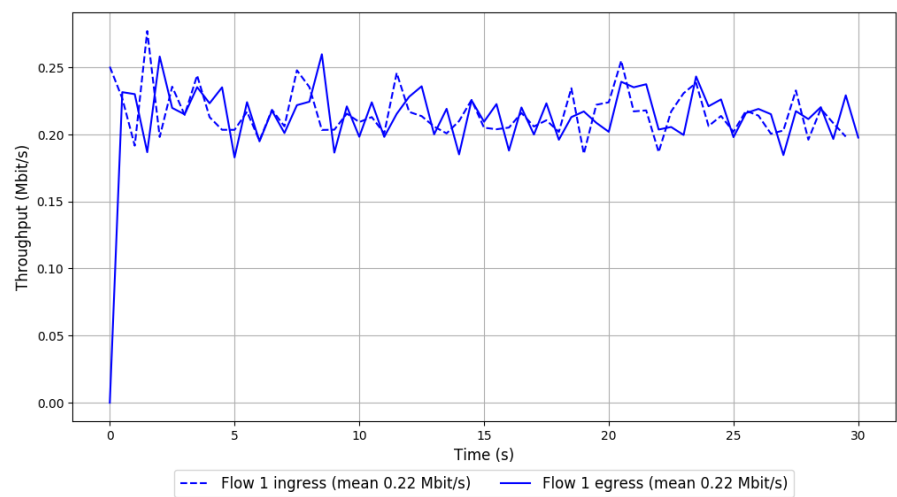


Run 5: Statistics of SCReAM

Start at: 2018-06-20 06:37:38
End at: 2018-06-20 06:38:08
Local clock offset: 0.016 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-20 09:43:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

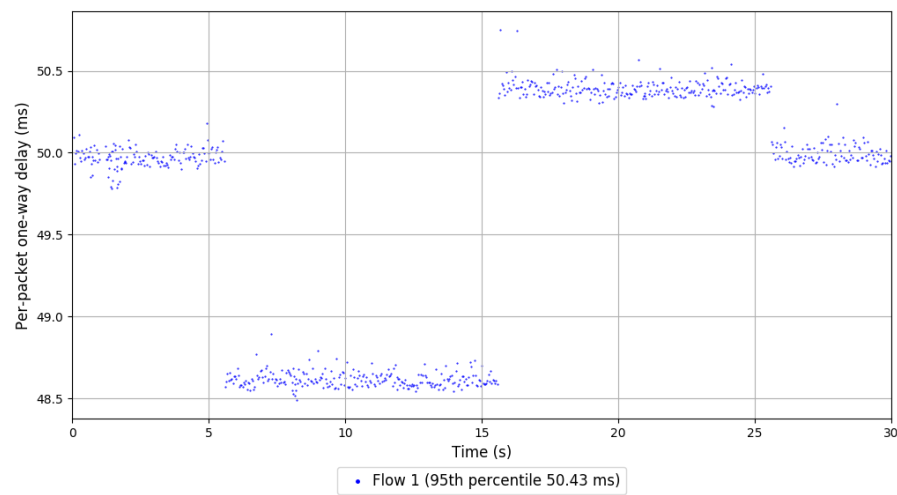
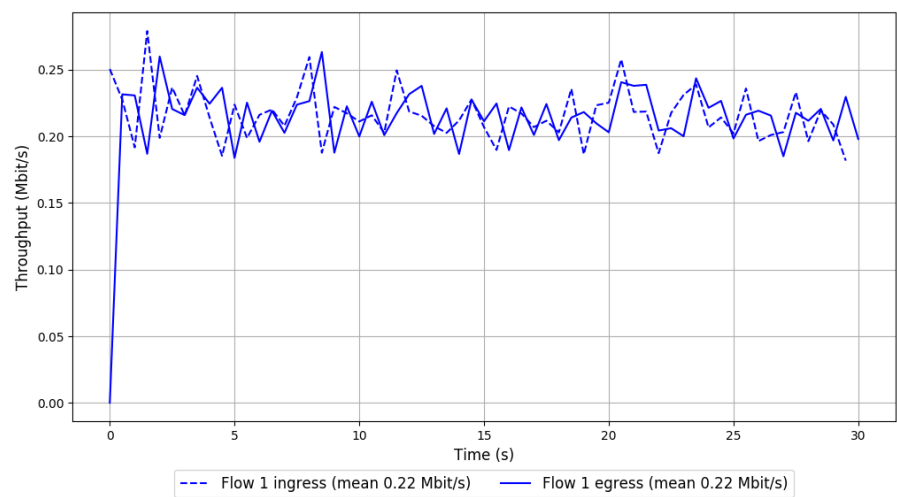


Run 6: Statistics of SCReAM

Start at: 2018-06-20 06:58:08
End at: 2018-06-20 06:58:38
Local clock offset: 0.335 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-06-20 09:43:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.432 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-20 07:18:39

End at: 2018-06-20 07:19:10

Local clock offset: 0.051 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.646 ms

Loss rate: 0.00%

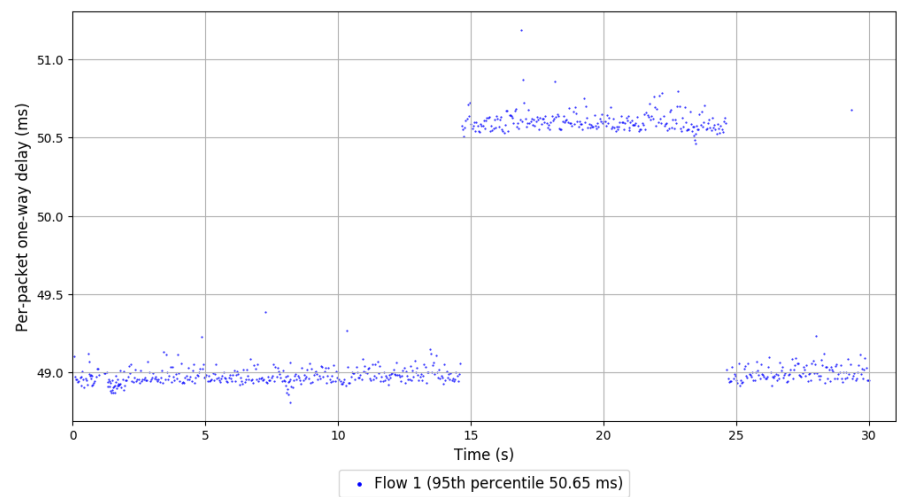
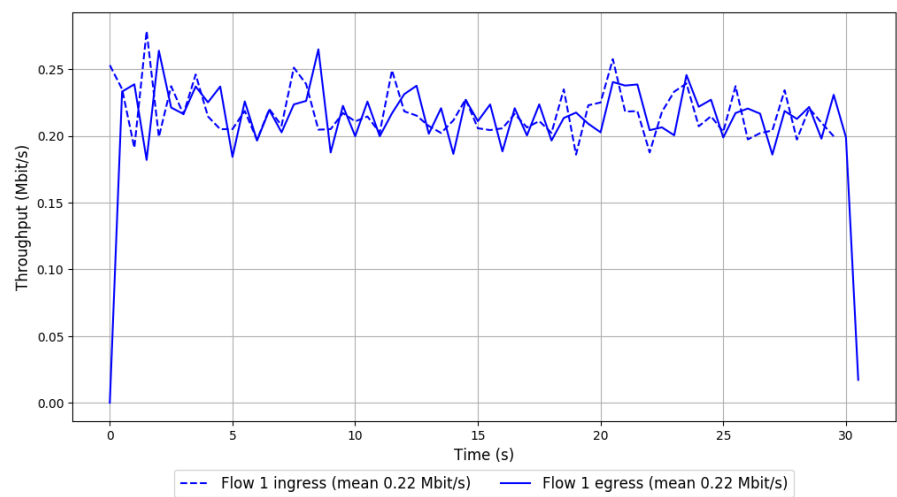
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.646 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-20 07:39:18

End at: 2018-06-20 07:39:48

Local clock offset: -0.294 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.309 ms

Loss rate: 0.00%

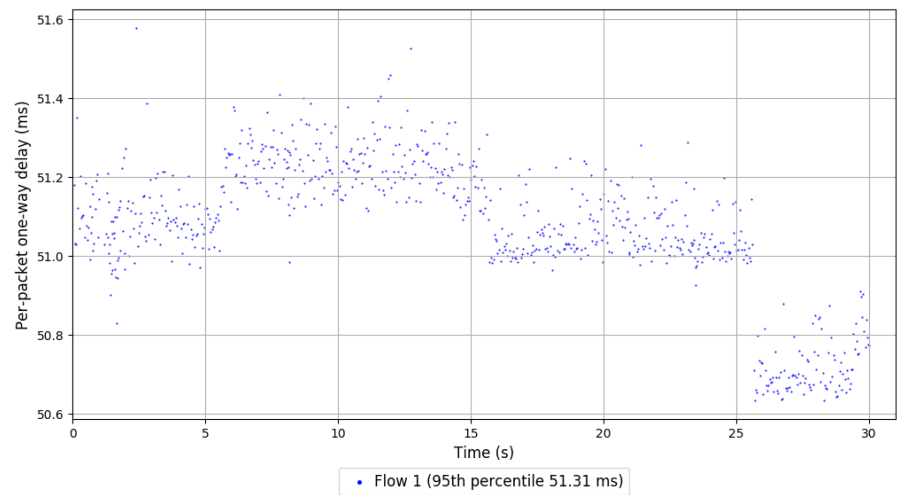
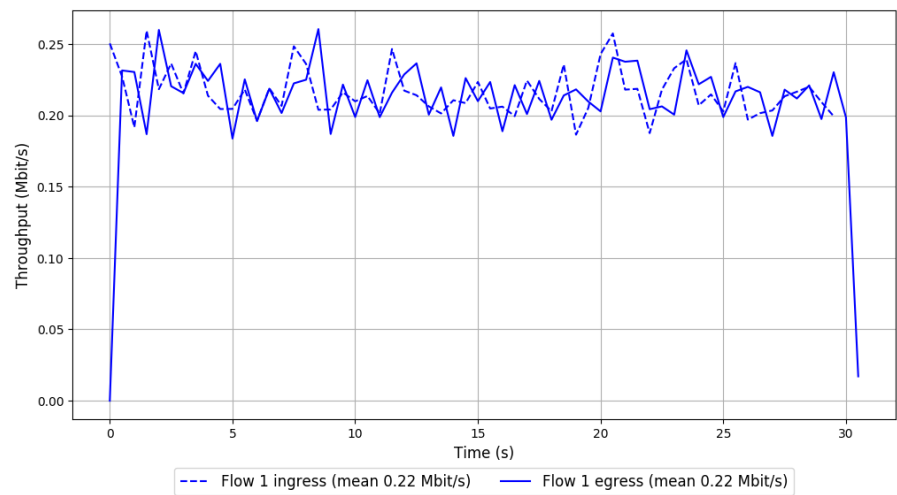
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.309 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-20 07:59:58

End at: 2018-06-20 08:00:28

Local clock offset: -0.055 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-06-20 09:43:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.932 ms

Loss rate: 0.00%

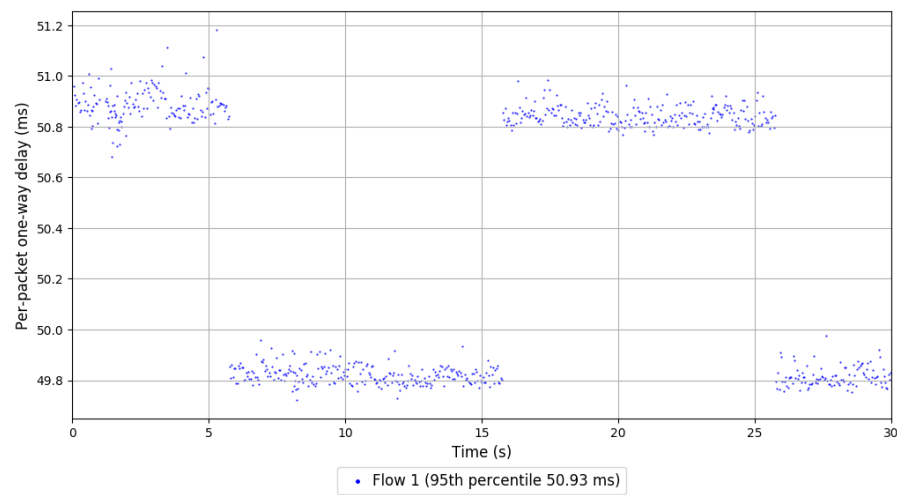
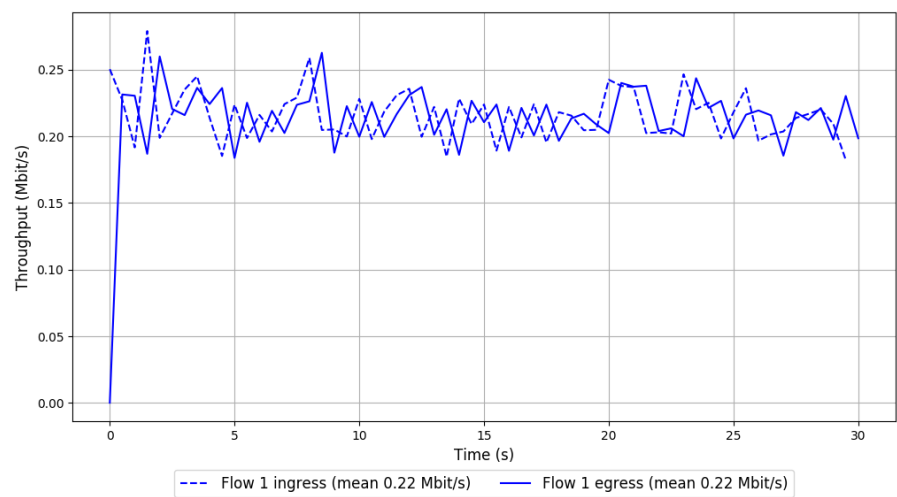
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.932 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

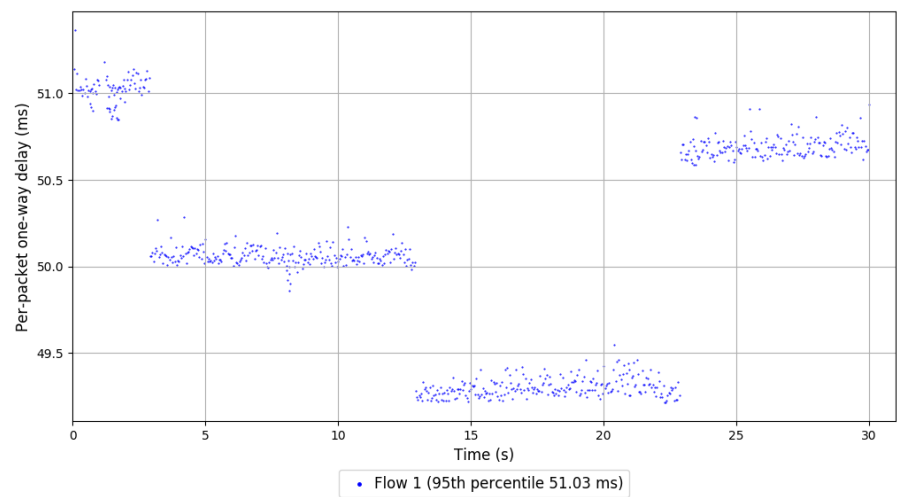
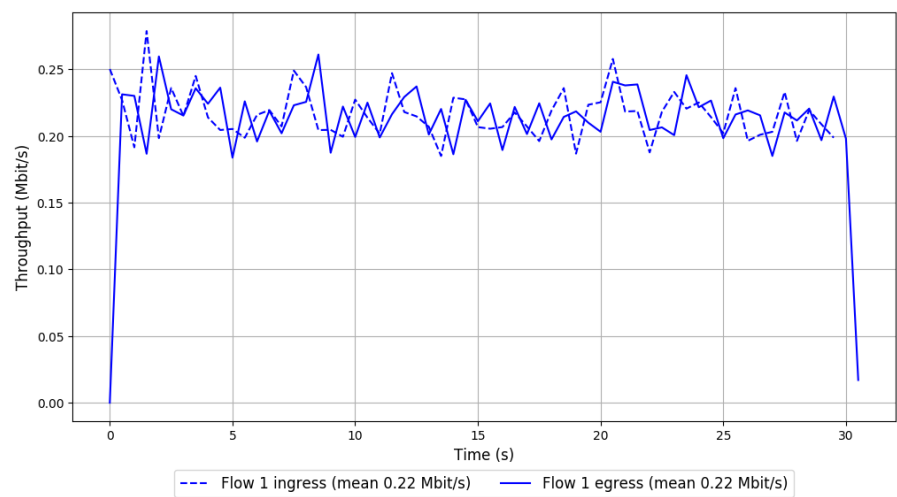


Run 10: Statistics of SCReAM

Start at: 2018-06-20 08:20:41
End at: 2018-06-20 08:21:11
Local clock offset: -0.406 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-20 09:43:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-20 05:09:44

End at: 2018-06-20 05:10:14

Local clock offset: 0.1 ms

Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-20 09:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.00%

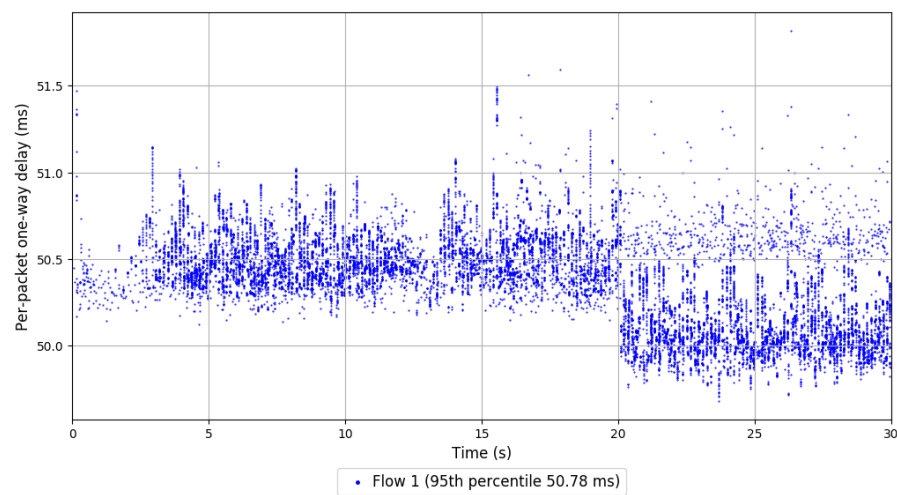
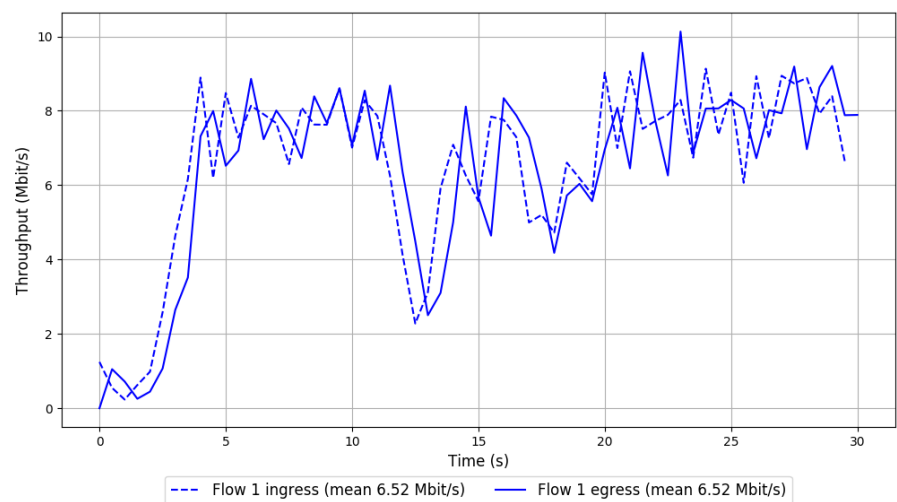
-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

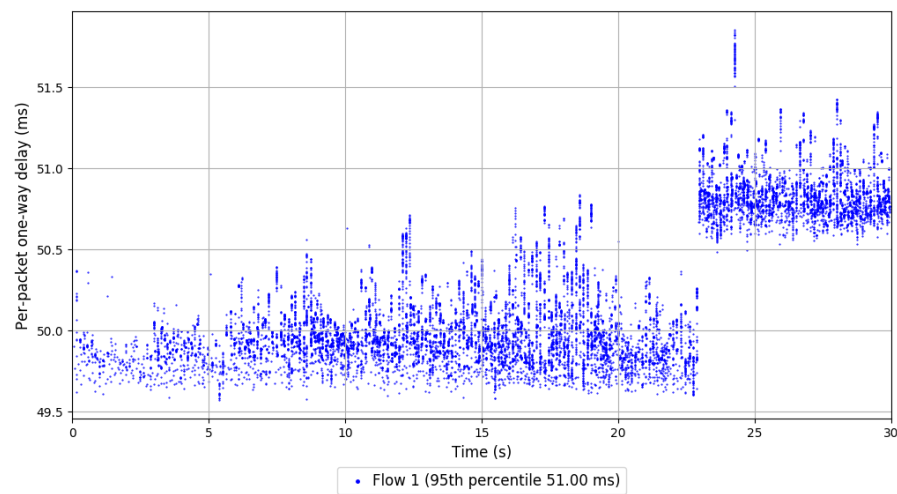
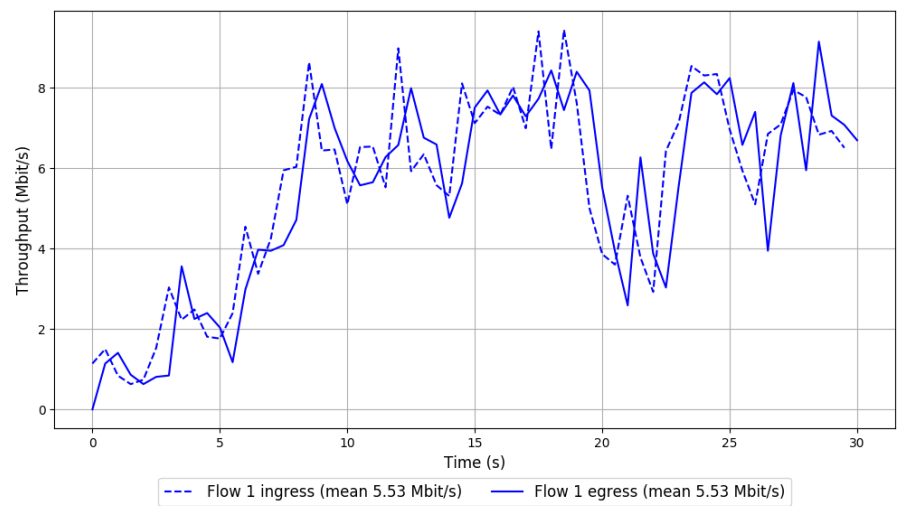


Run 2: Statistics of Sprout

Start at: 2018-06-20 05:30:31
End at: 2018-06-20 05:31:01
Local clock offset: 0.107 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-20 09:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 50.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 50.998 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-06-20 05:51:13

End at: 2018-06-20 05:51:43

Local clock offset: 0.1 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-20 09:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 50.900 ms

Loss rate: 0.00%

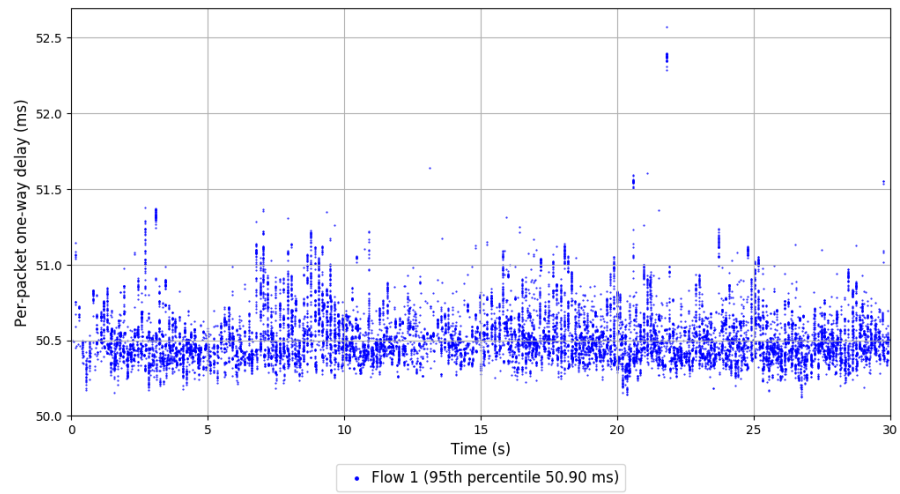
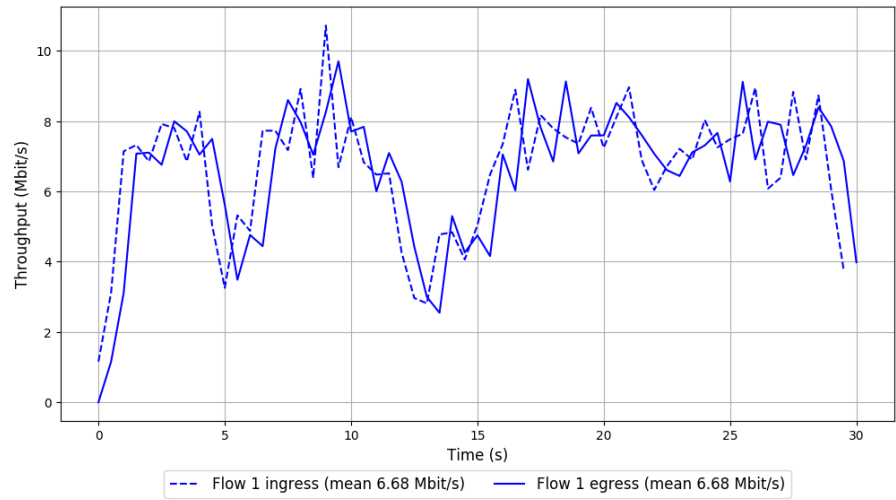
-- Flow 1:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 50.900 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

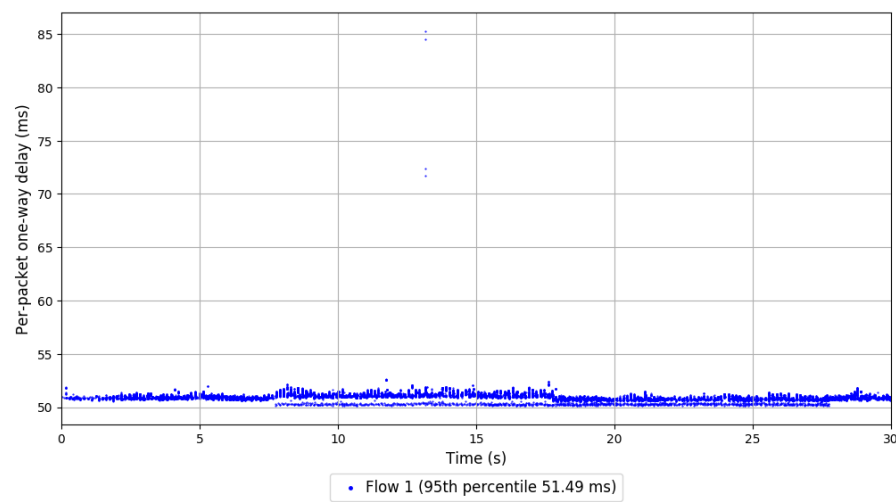
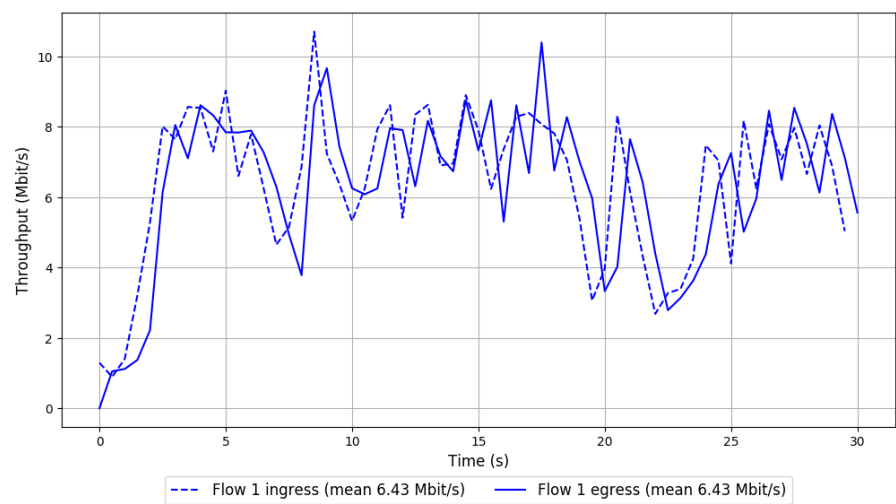


Run 4: Statistics of Sprout

Start at: 2018-06-20 06:11:56
End at: 2018-06-20 06:12:26
Local clock offset: 0.003 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-20 09:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 51.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 51.491 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

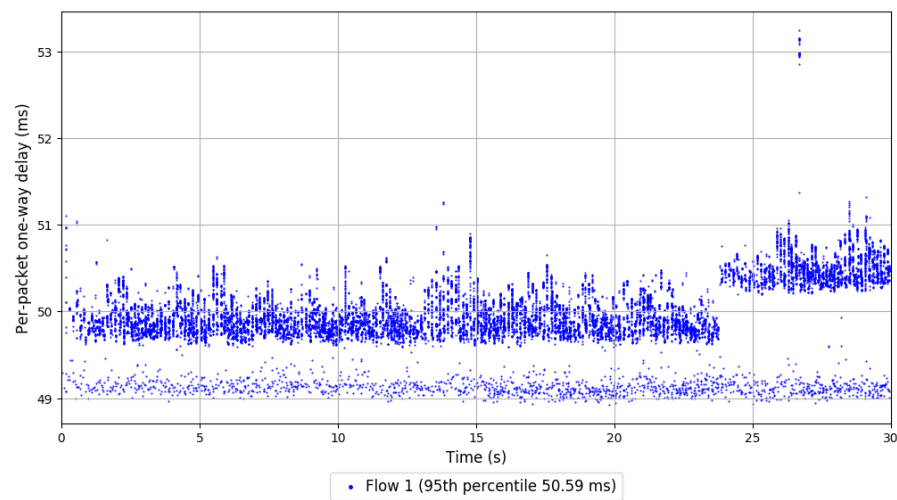
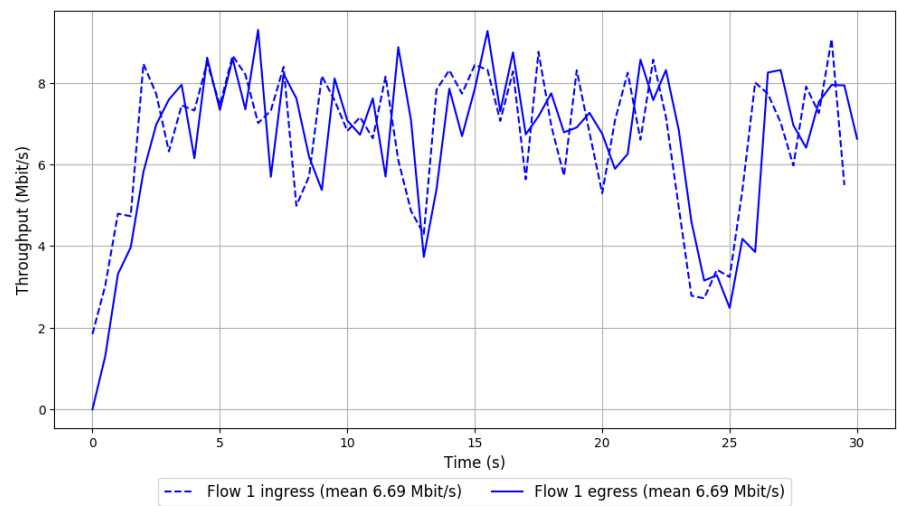


Run 5: Statistics of Sprout

Start at: 2018-06-20 06:32:40
End at: 2018-06-20 06:33:10
Local clock offset: 0.003 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-20 09:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 50.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 50.589 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

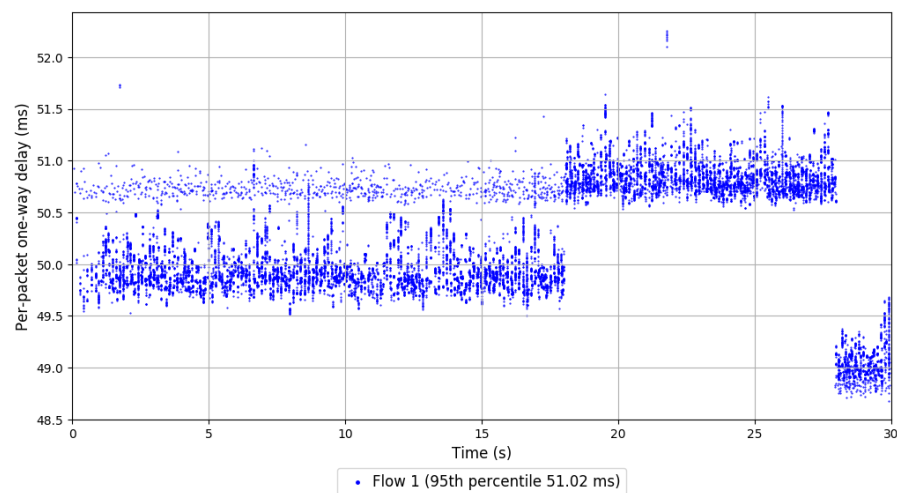
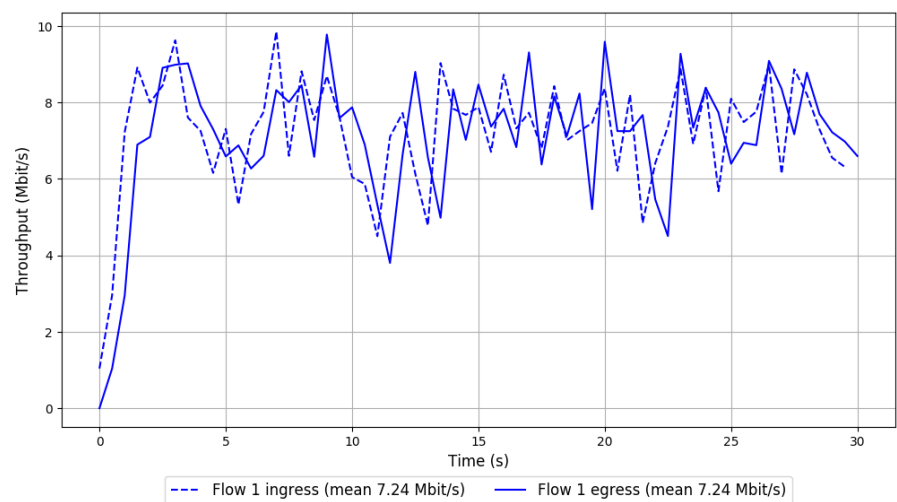


Run 6: Statistics of Sprout

Start at: 2018-06-20 06:53:16
End at: 2018-06-20 06:53:46
Local clock offset: 0.004 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-06-20 09:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.022 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

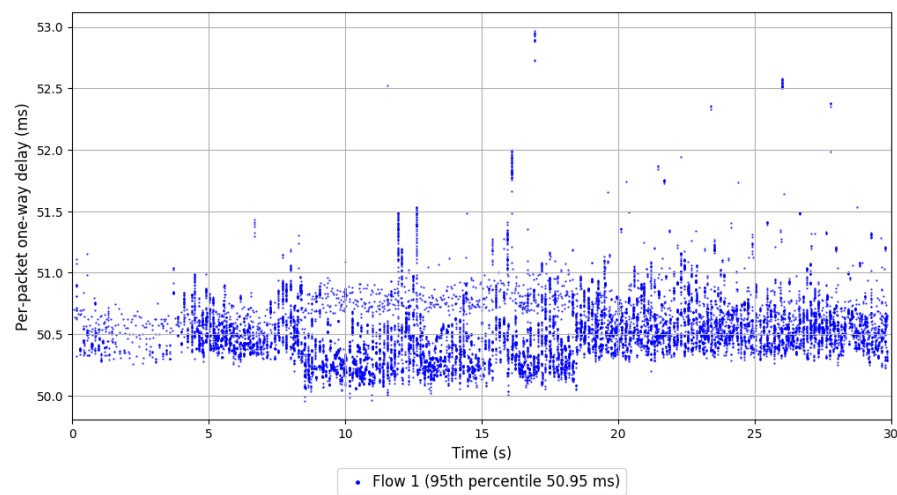
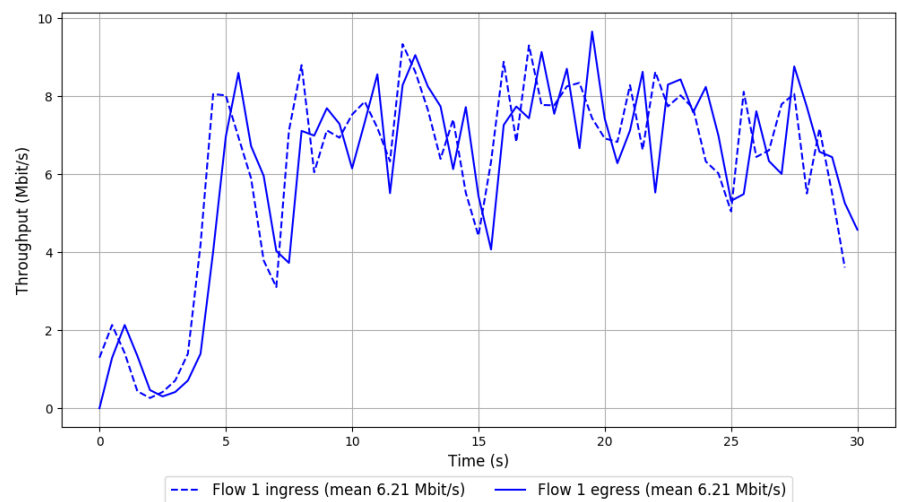


Run 7: Statistics of Sprout

Start at: 2018-06-20 07:13:45
End at: 2018-06-20 07:14:15
Local clock offset: 0.05 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-20 09:43:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-20 07:34:24

End at: 2018-06-20 07:34:54

Local clock offset: 0.066 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-06-20 09:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 51.397 ms

Loss rate: 0.00%

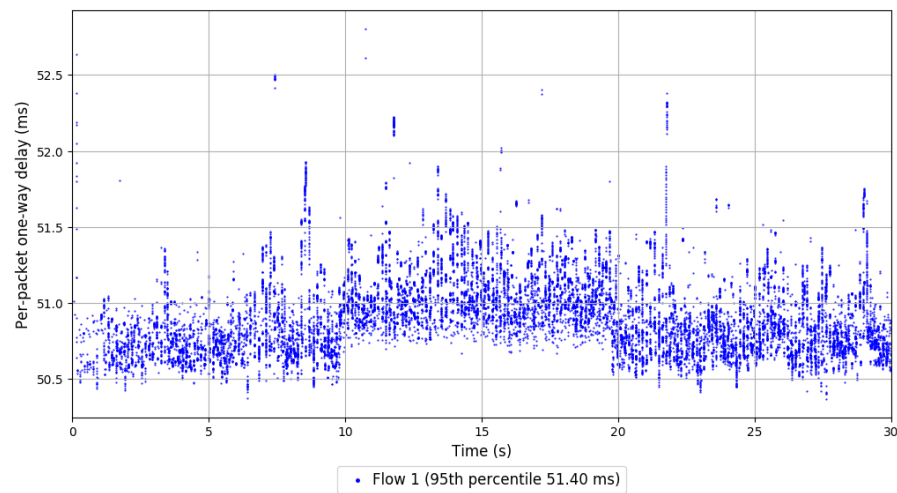
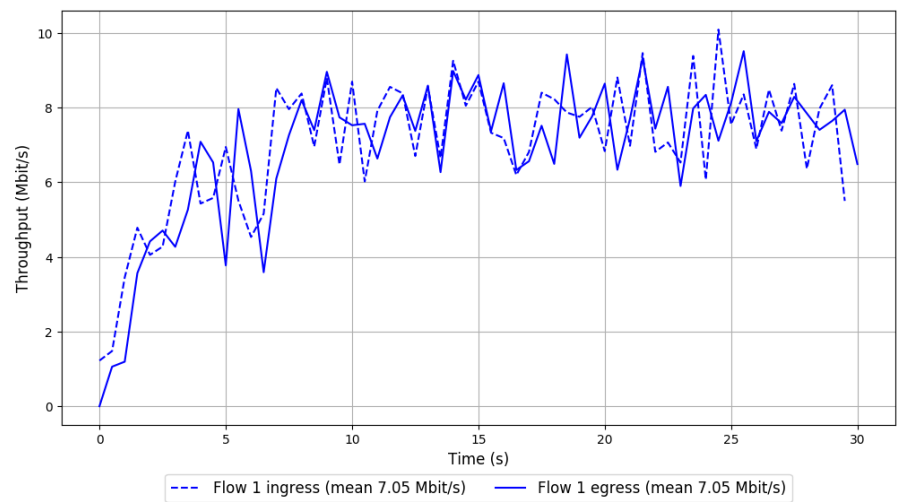
-- Flow 1:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 51.397 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-20 07:55:04

End at: 2018-06-20 07:55:35

Local clock offset: -0.433 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-20 09:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 51.522 ms

Loss rate: 0.00%

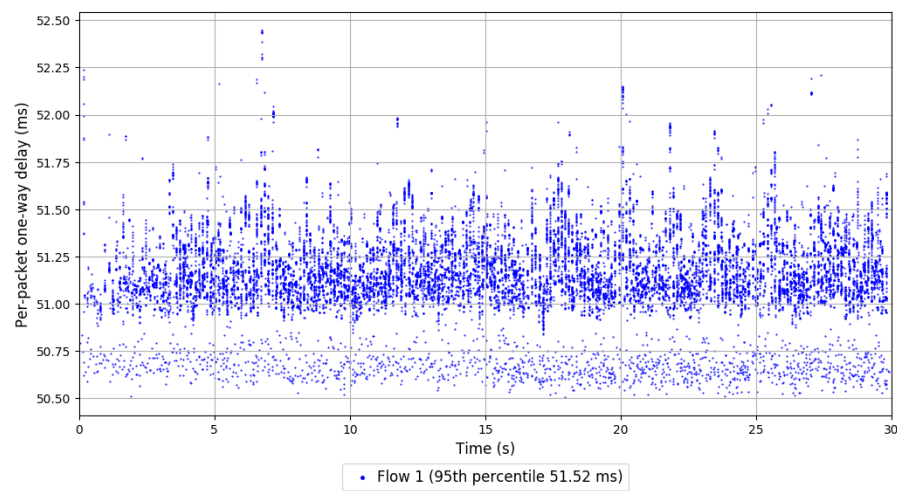
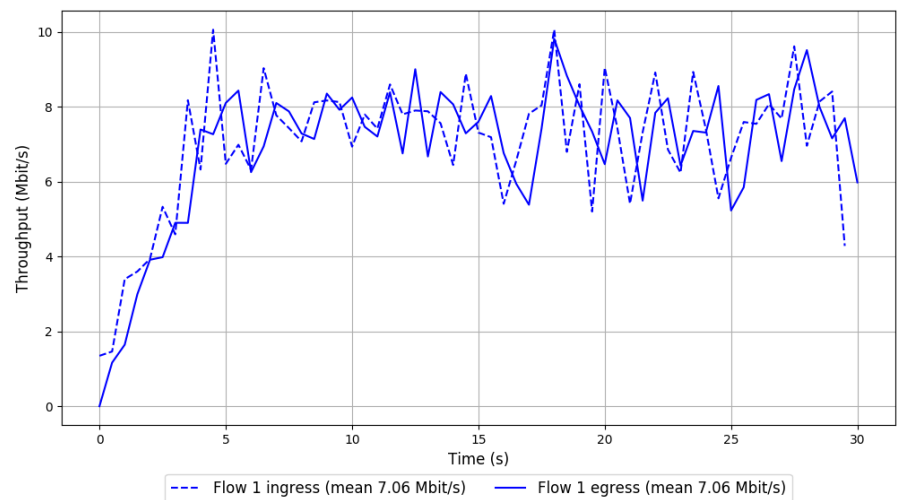
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 51.522 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-20 08:15:47

End at: 2018-06-20 08:16:17

Local clock offset: -0.044 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-20 09:43:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 50.888 ms

Loss rate: 0.00%

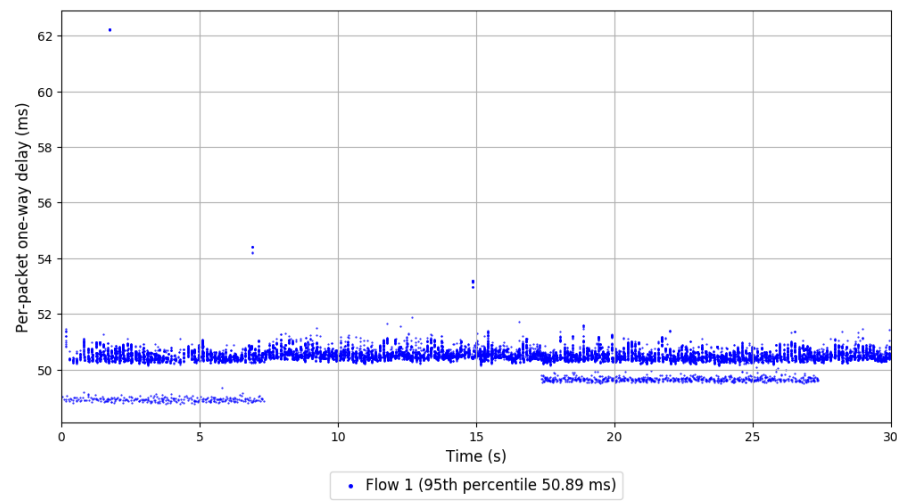
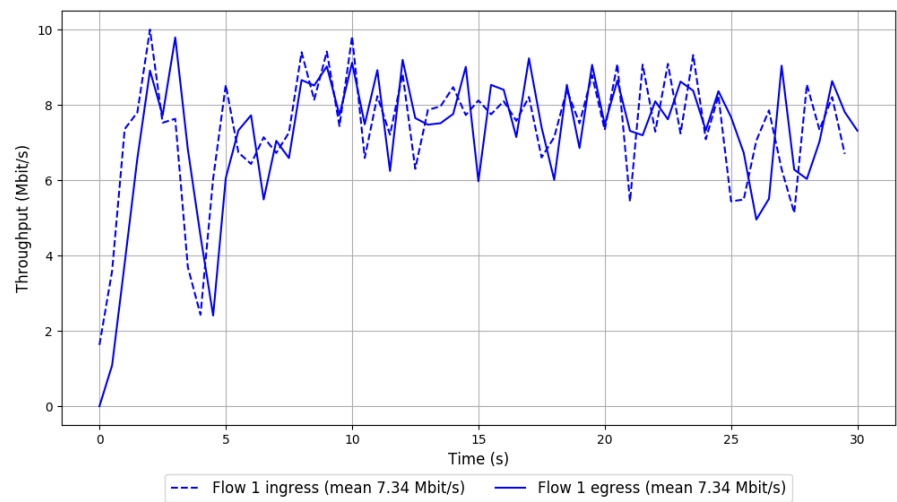
-- Flow 1:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 50.888 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-20 05:00:16

End at: 2018-06-20 05:00:46

Local clock offset: 0.446 ms

Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-20 09:48:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.99 Mbit/s

95th percentile per-packet one-way delay: 52.706 ms

Loss rate: 0.00%

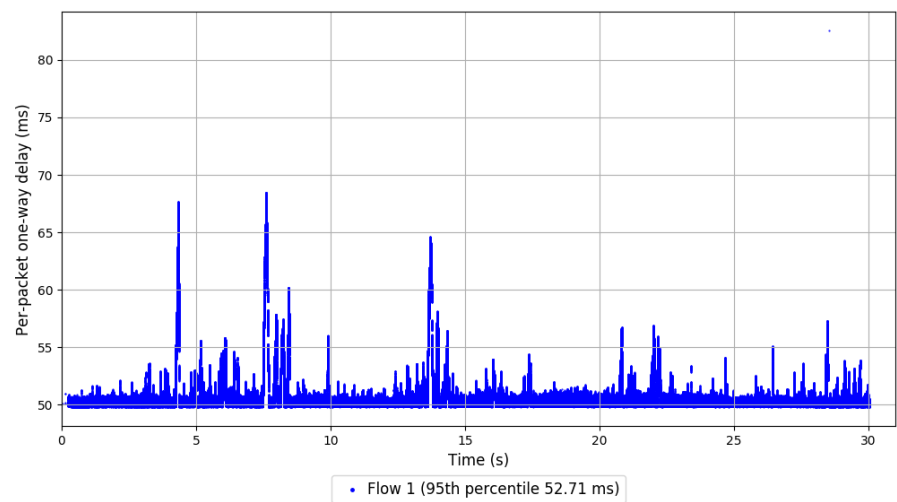
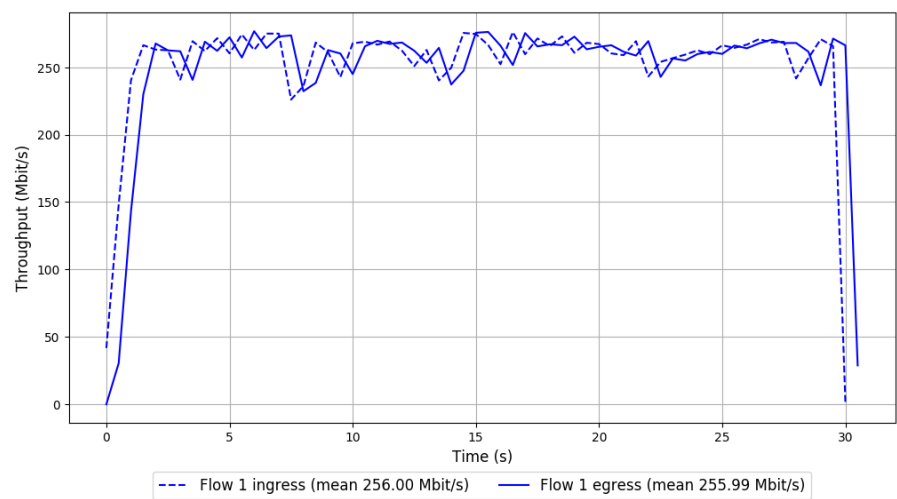
-- Flow 1:

Average throughput: 255.99 Mbit/s

95th percentile per-packet one-way delay: 52.706 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-20 05:21:08

End at: 2018-06-20 05:21:38

Local clock offset: 0.103 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-20 09:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.41 Mbit/s

95th percentile per-packet one-way delay: 52.225 ms

Loss rate: 0.00%

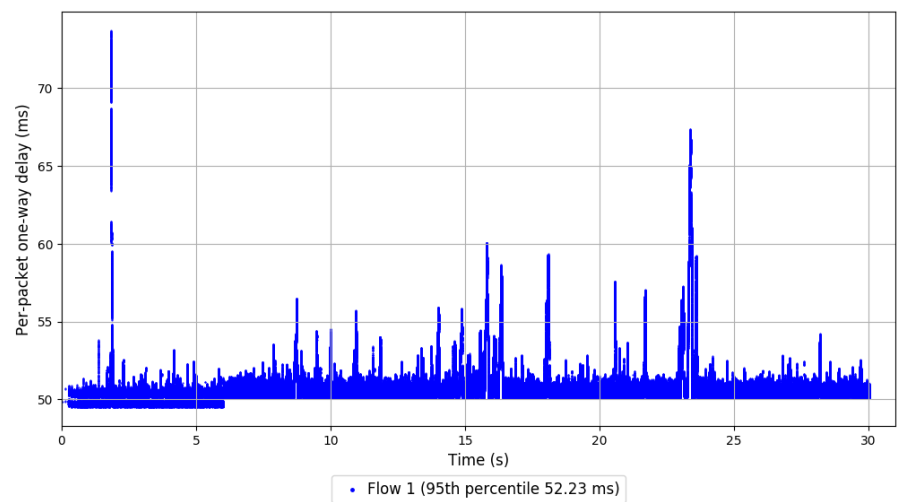
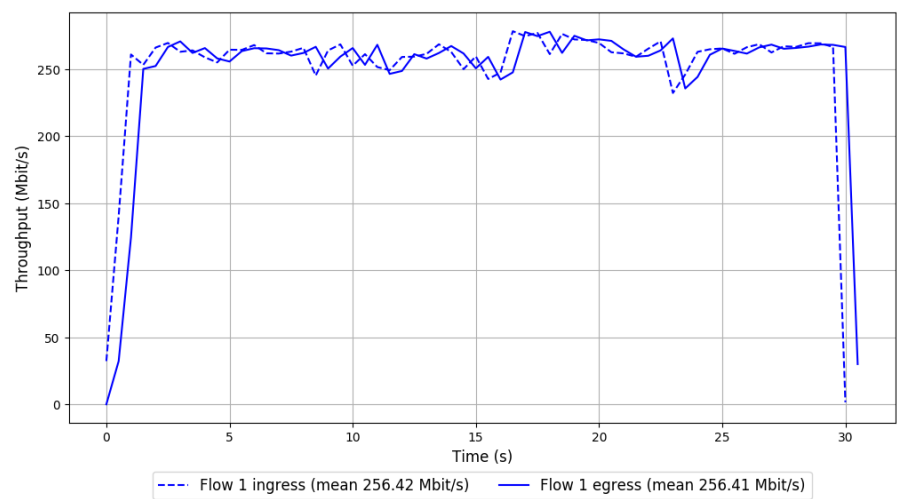
-- Flow 1:

Average throughput: 256.41 Mbit/s

95th percentile per-packet one-way delay: 52.225 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-20 05:41:45

End at: 2018-06-20 05:42:15

Local clock offset: 0.122 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-20 09:49:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 251.41 Mbit/s

95th percentile per-packet one-way delay: 51.606 ms

Loss rate: 0.00%

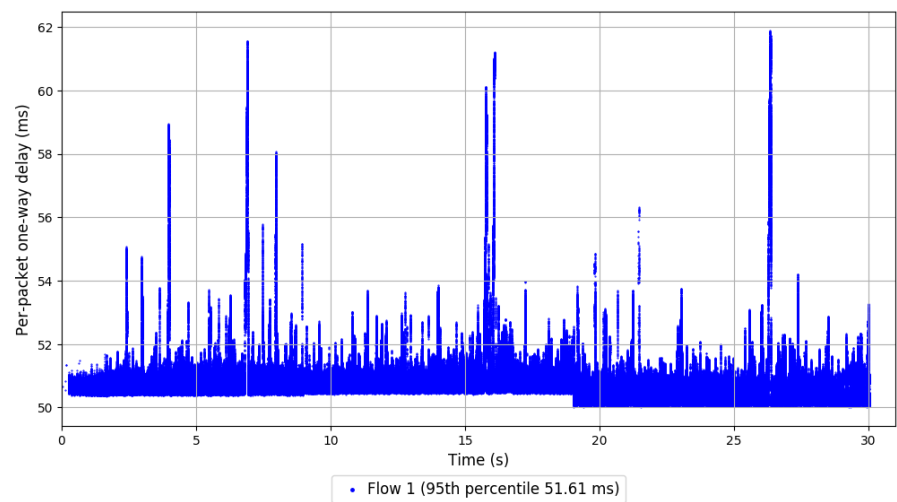
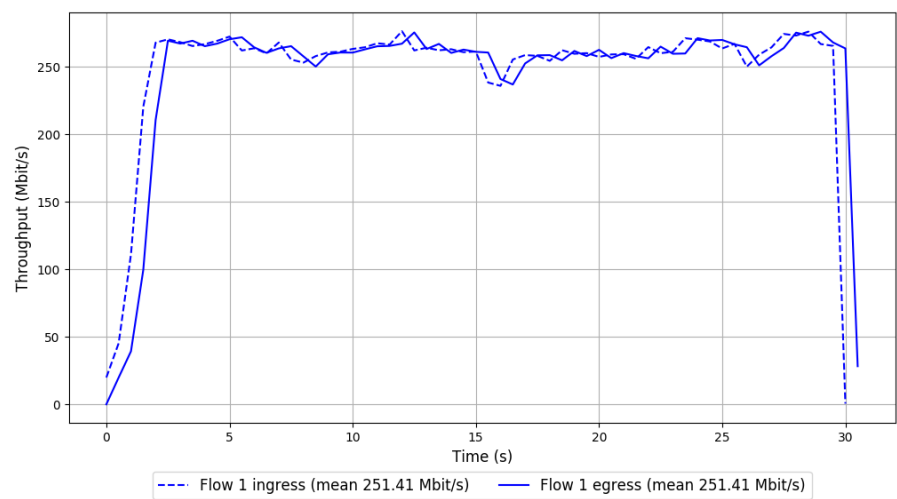
-- Flow 1:

Average throughput: 251.41 Mbit/s

95th percentile per-packet one-way delay: 51.606 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-20 06:02:30

End at: 2018-06-20 06:03:00

Local clock offset: 0.062 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-06-20 09:50:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.86 Mbit/s

95th percentile per-packet one-way delay: 51.047 ms

Loss rate: 0.00%

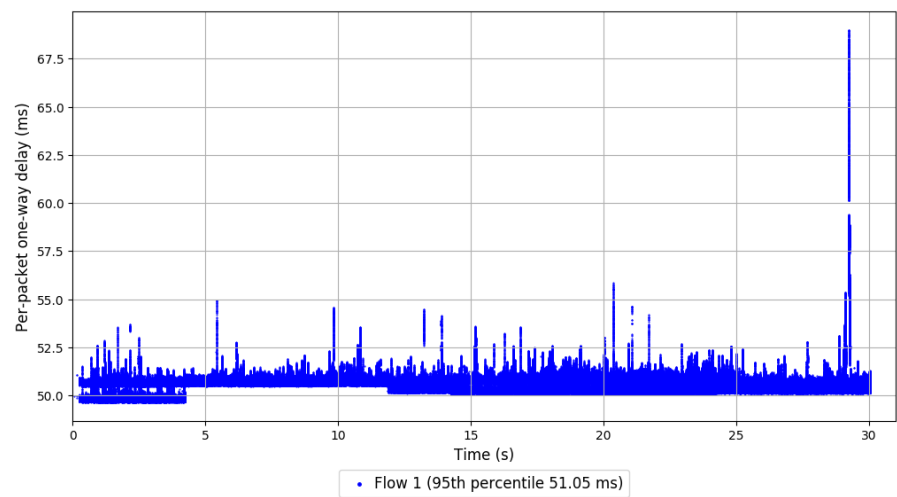
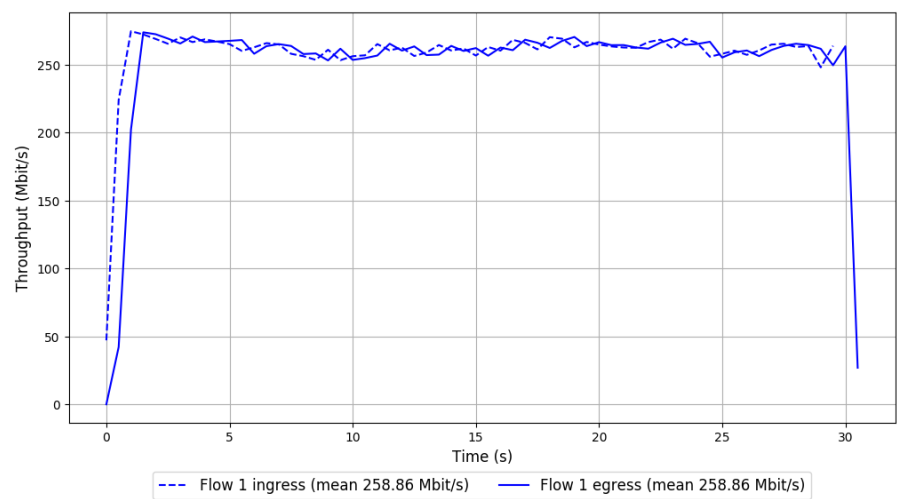
-- Flow 1:

Average throughput: 258.86 Mbit/s

95th percentile per-packet one-way delay: 51.047 ms

Loss rate: 0.00%

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

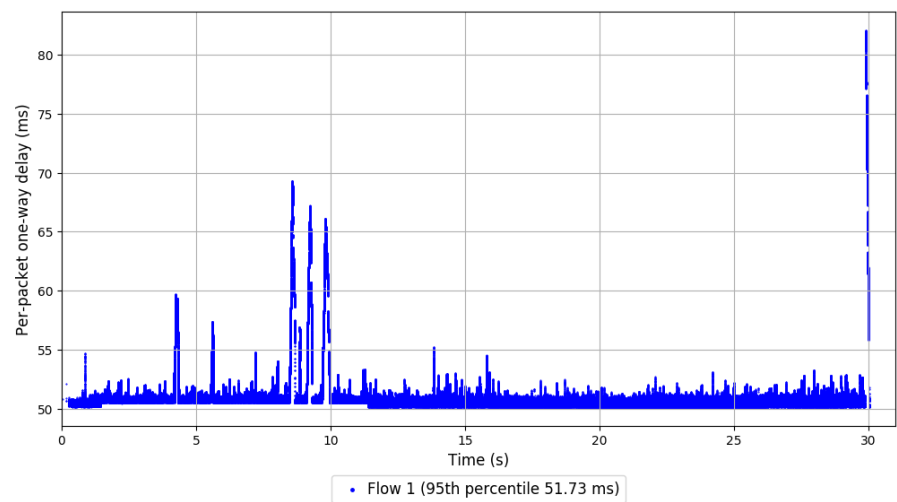
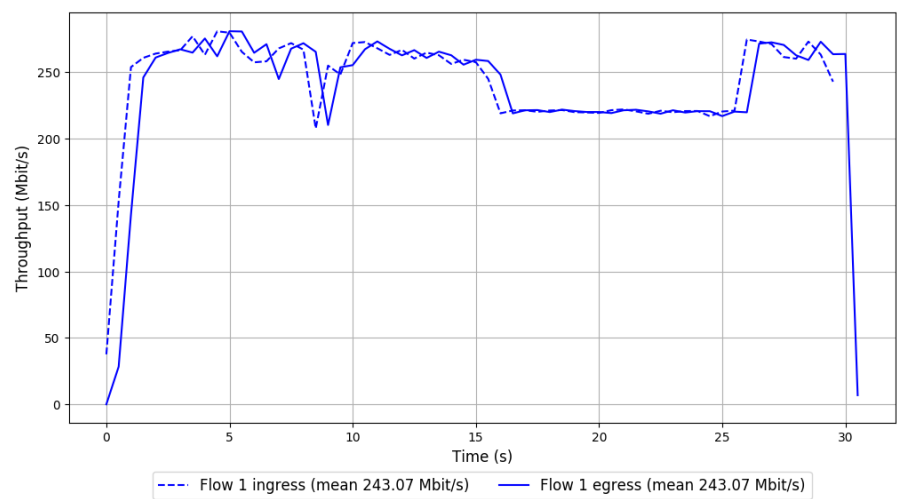


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-20 06:23:13
End at: 2018-06-20 06:23:43
Local clock offset: -0.016 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-06-20 09:50:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.07 Mbit/s
95th percentile per-packet one-way delay: 51.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.07 Mbit/s
95th percentile per-packet one-way delay: 51.729 ms
Loss rate: 0.00%

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

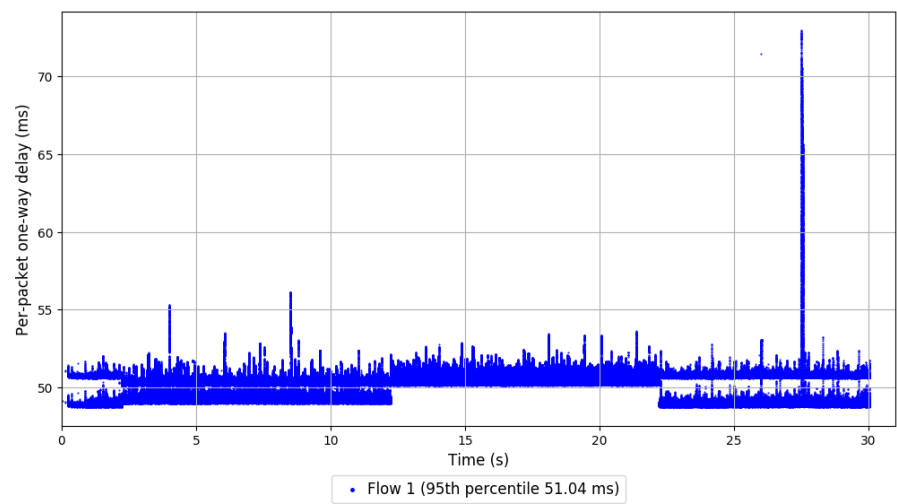
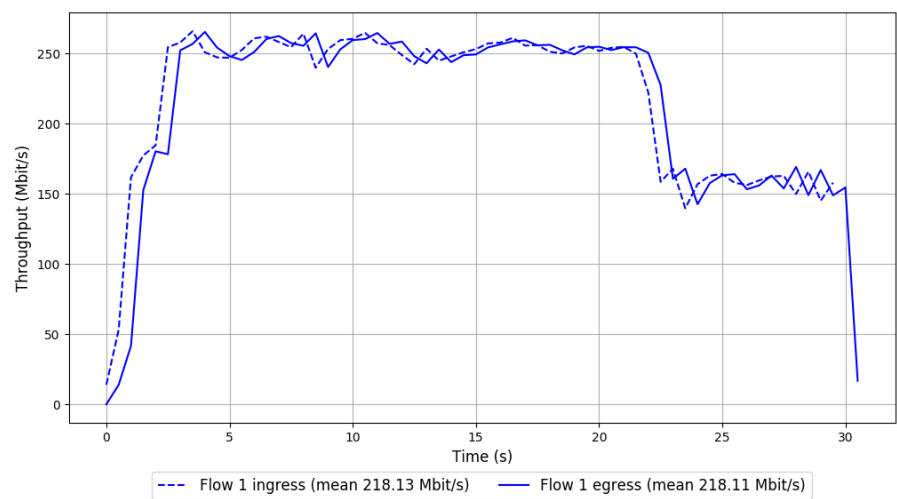


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-20 06:44:02
End at: 2018-06-20 06:44:32
Local clock offset: -0.021 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-06-20 09:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.11 Mbit/s
95th percentile per-packet one-way delay: 51.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.11 Mbit/s
95th percentile per-packet one-way delay: 51.041 ms
Loss rate: 0.00%

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

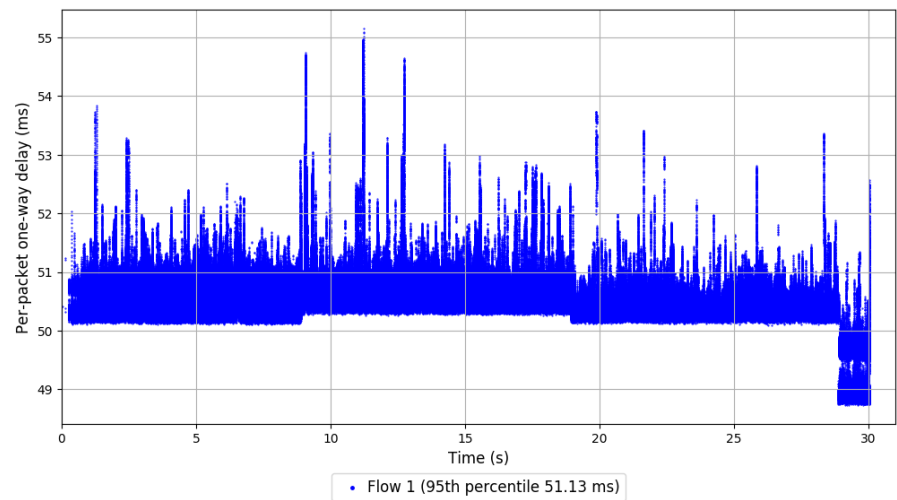
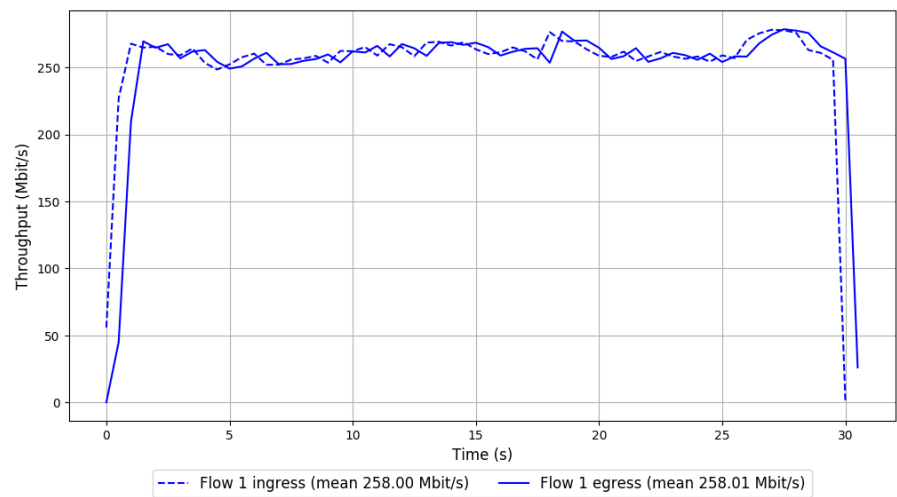


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-20 07:04:25
End at: 2018-06-20 07:04:55
Local clock offset: -0.014 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-20 09:52:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.01 Mbit/s
95th percentile per-packet one-way delay: 51.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.01 Mbit/s
95th percentile per-packet one-way delay: 51.130 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-20 07:24:57

End at: 2018-06-20 07:25:27

Local clock offset: 0.04 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-20 09:52:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.06 Mbit/s

95th percentile per-packet one-way delay: 50.981 ms

Loss rate: 0.00%

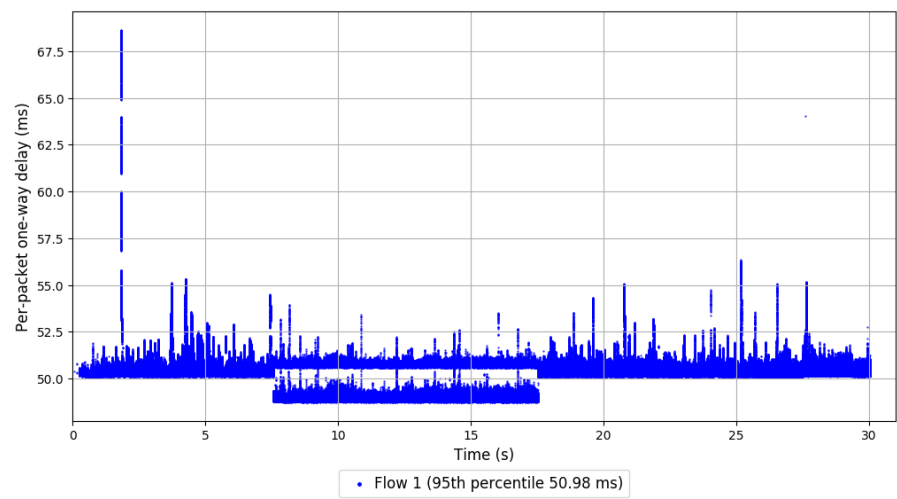
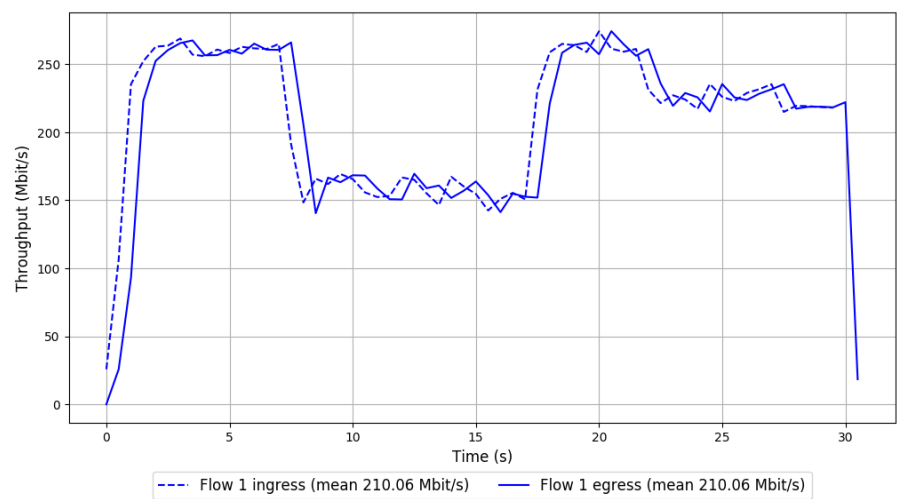
-- Flow 1:

Average throughput: 210.06 Mbit/s

95th percentile per-packet one-way delay: 50.981 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-20 07:45:39

End at: 2018-06-20 07:46:09

Local clock offset: 0.375 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-20 09:56:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.34 Mbit/s

95th percentile per-packet one-way delay: 50.892 ms

Loss rate: 0.00%

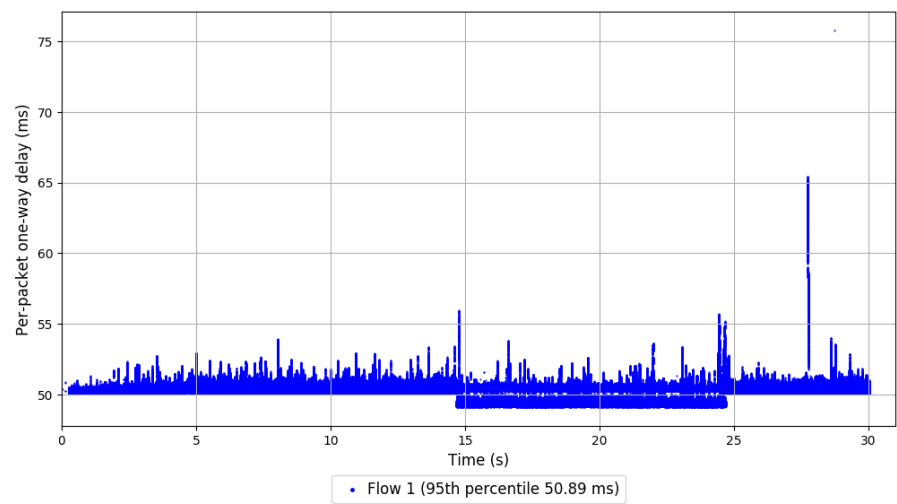
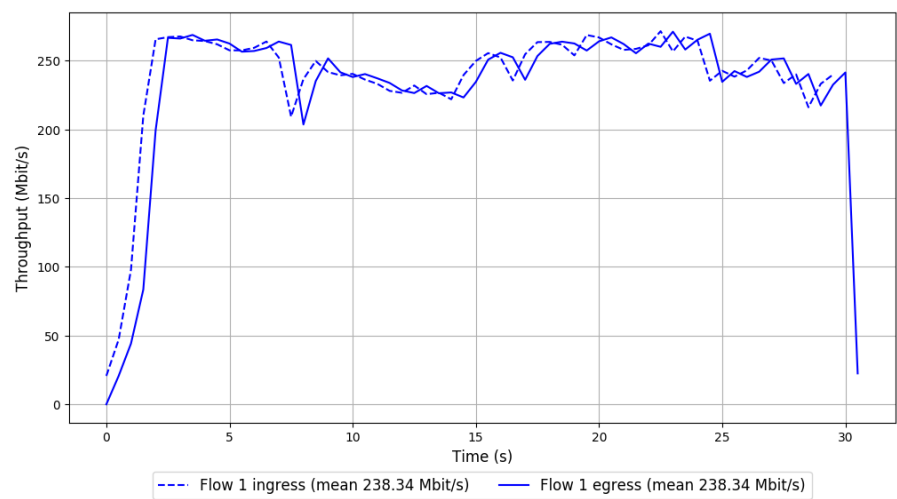
-- Flow 1:

Average throughput: 238.34 Mbit/s

95th percentile per-packet one-way delay: 50.892 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-20 08:06:17

End at: 2018-06-20 08:06:47

Local clock offset: 0.34 ms

Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-20 09:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.00 Mbit/s

95th percentile per-packet one-way delay: 50.835 ms

Loss rate: 0.00%

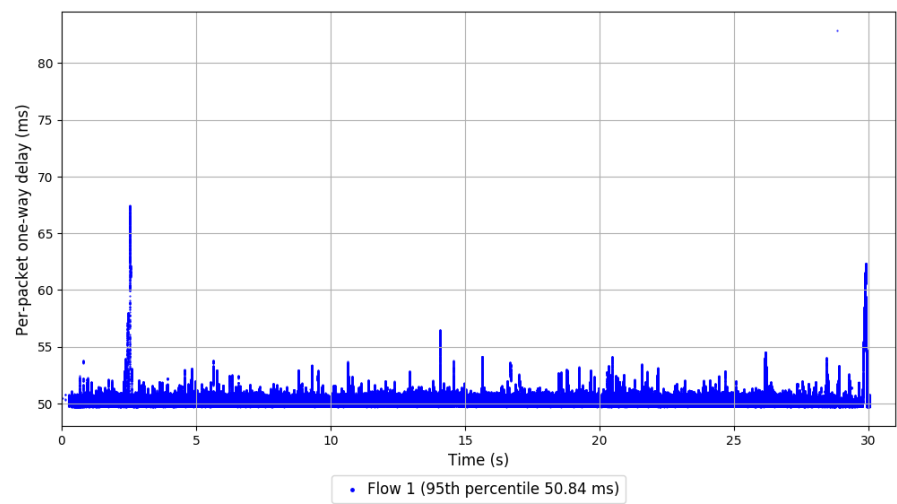
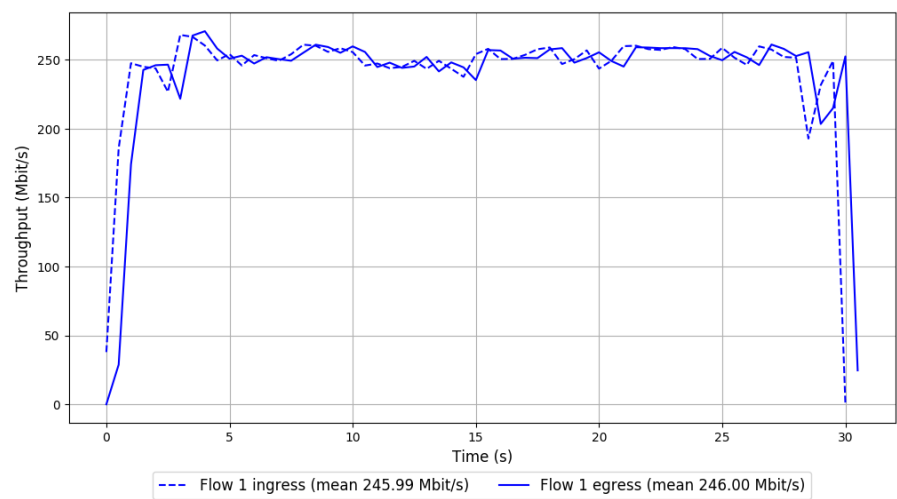
-- Flow 1:

Average throughput: 246.00 Mbit/s

95th percentile per-packet one-way delay: 50.835 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-20 05:17:13

End at: 2018-06-20 05:17:43

Local clock offset: 0.081 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-06-20 09:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.45 Mbit/s

95th percentile per-packet one-way delay: 59.463 ms

Loss rate: 0.04%

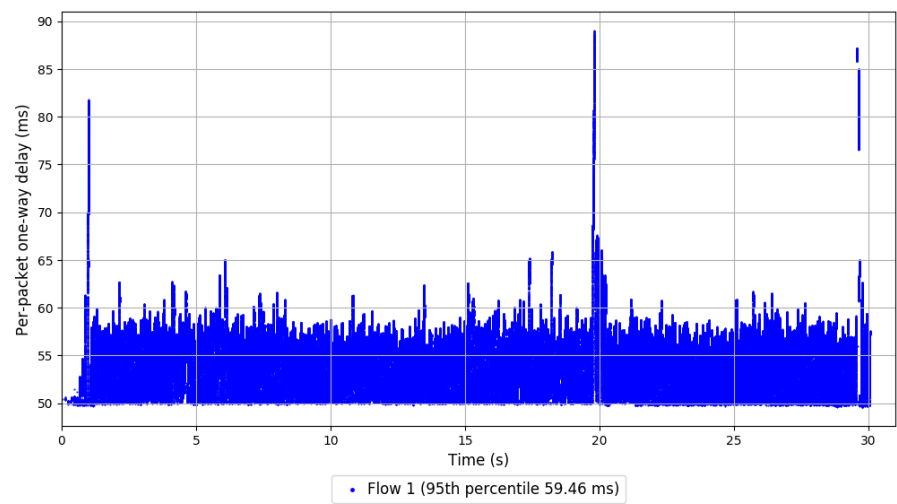
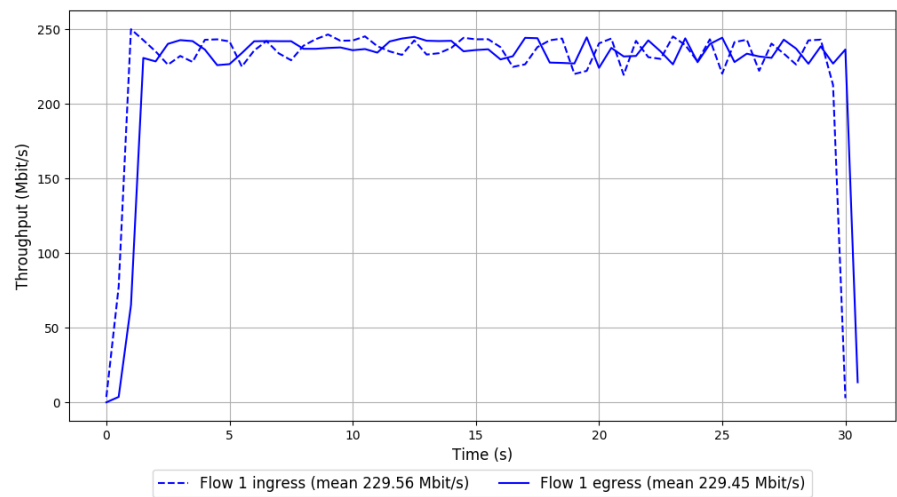
-- Flow 1:

Average throughput: 229.45 Mbit/s

95th percentile per-packet one-way delay: 59.463 ms

Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

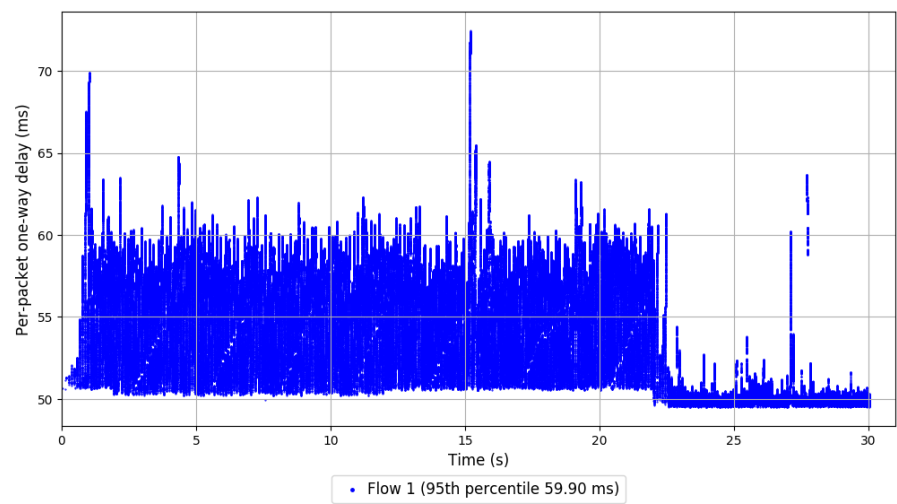
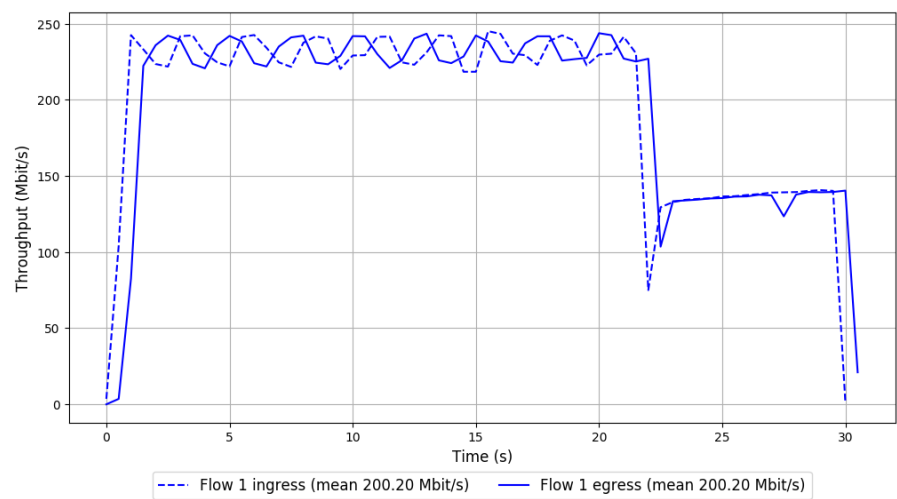


Run 2: Statistics of TCP Vegas

Start at: 2018-06-20 05:37:52
End at: 2018-06-20 05:38:22
Local clock offset: 0.087 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-20 09:56:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.20 Mbit/s
95th percentile per-packet one-way delay: 59.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.20 Mbit/s
95th percentile per-packet one-way delay: 59.903 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-20 05:58:39

End at: 2018-06-20 05:59:09

Local clock offset: 0.032 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-20 09:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.35 Mbit/s

95th percentile per-packet one-way delay: 51.899 ms

Loss rate: 0.00%

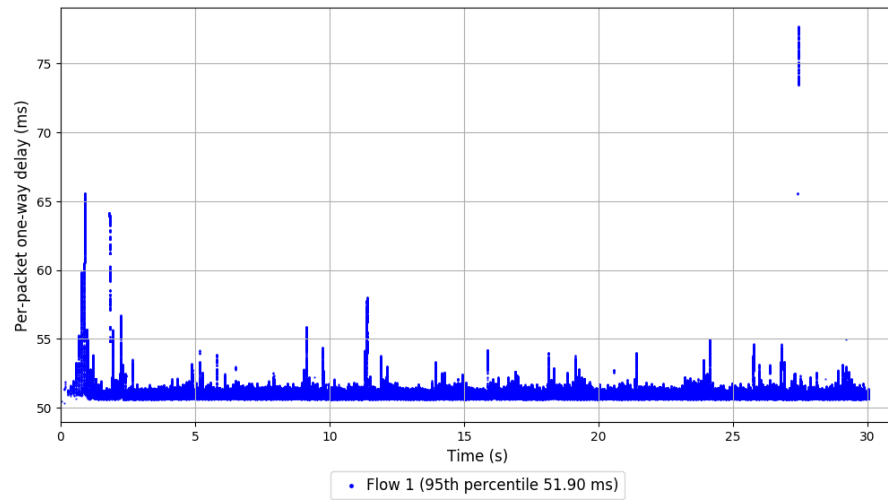
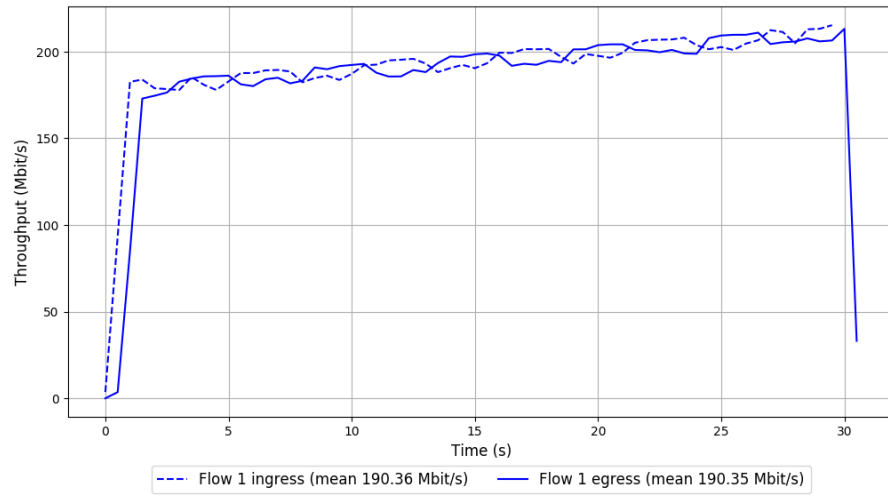
-- Flow 1:

Average throughput: 190.35 Mbit/s

95th percentile per-packet one-way delay: 51.899 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

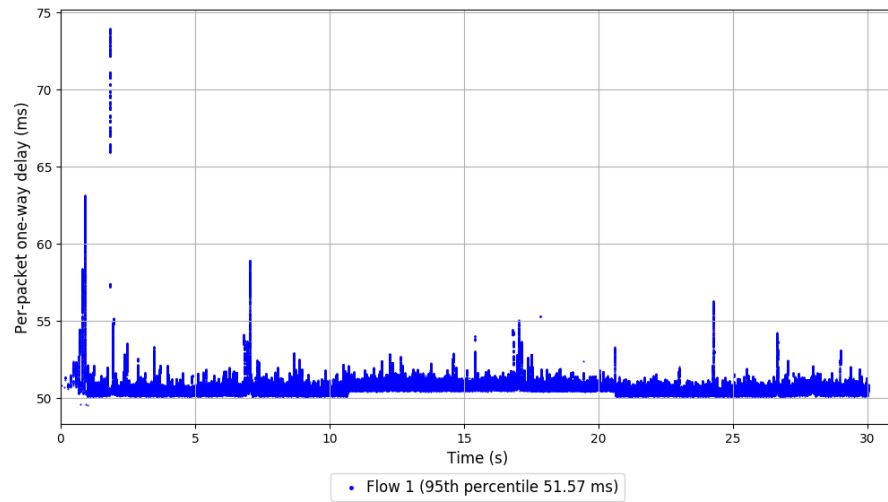
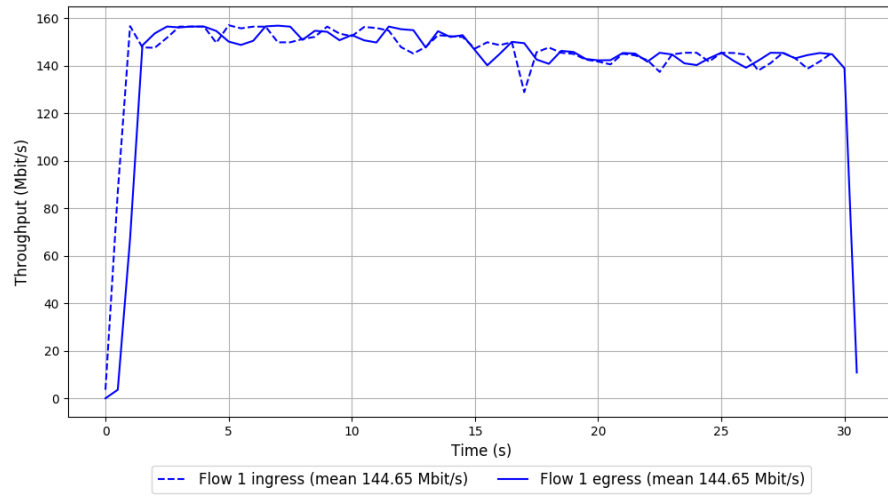


Run 4: Statistics of TCP Vegas

Start at: 2018-06-20 06:19:23
End at: 2018-06-20 06:19:53
Local clock offset: 0.038 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-06-20 09:56:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.65 Mbit/s
95th percentile per-packet one-way delay: 51.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 144.65 Mbit/s
95th percentile per-packet one-way delay: 51.568 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

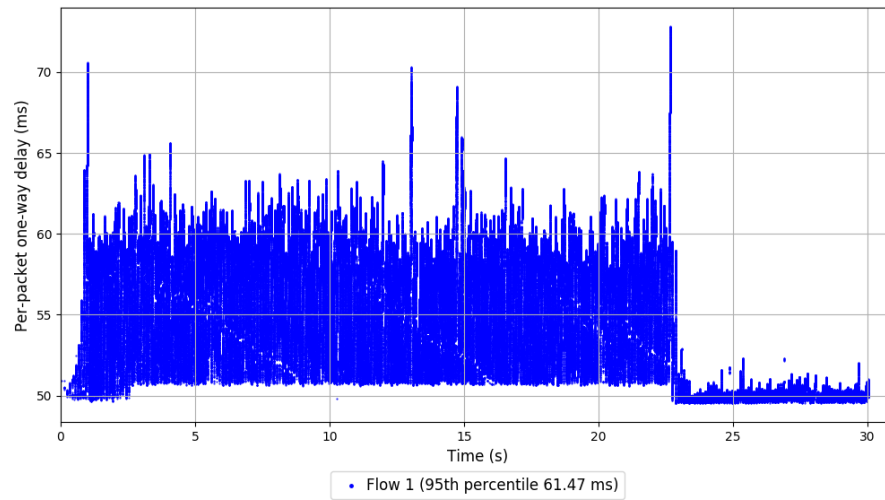
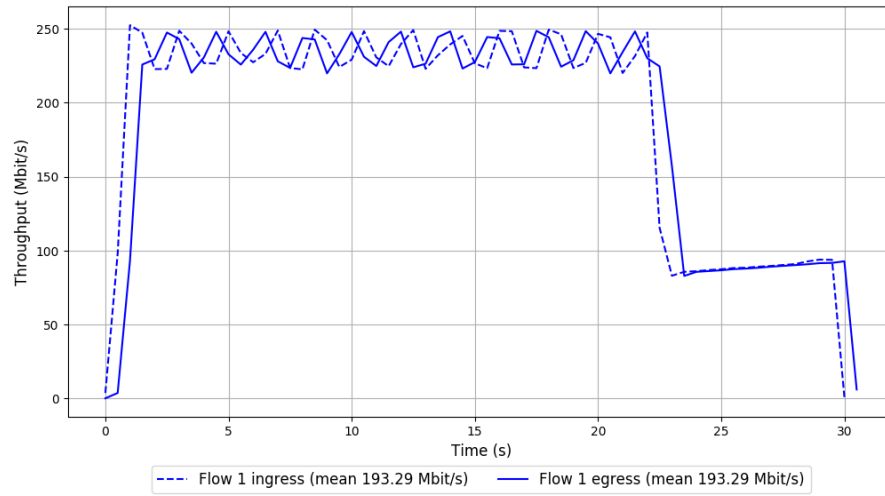


Run 5: Statistics of TCP Vegas

Start at: 2018-06-20 06:40:11
End at: 2018-06-20 06:40:42
Local clock offset: -0.054 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-20 09:56:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.29 Mbit/s
95th percentile per-packet one-way delay: 61.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.29 Mbit/s
95th percentile per-packet one-way delay: 61.470 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

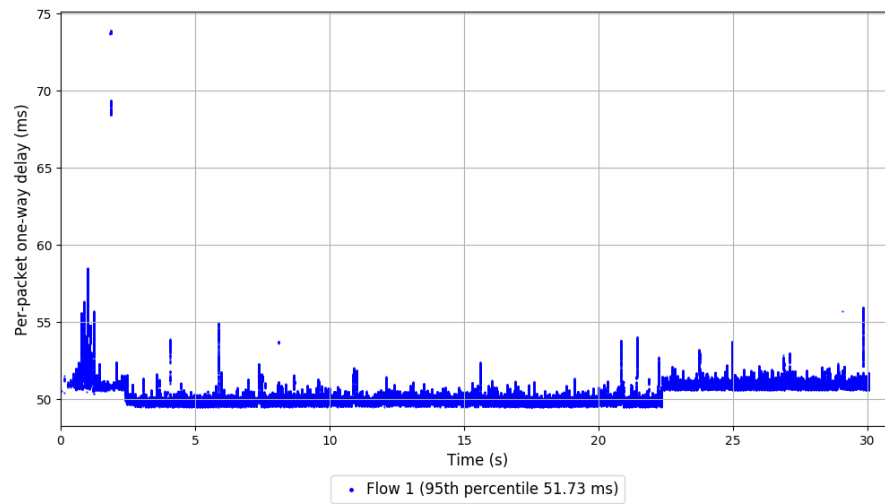
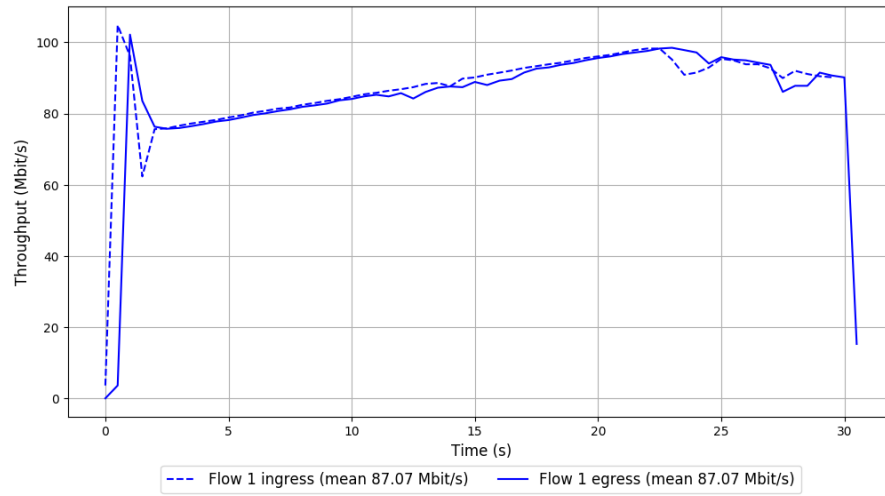


Run 6: Statistics of TCP Vegas

Start at: 2018-06-20 07:00:42
End at: 2018-06-20 07:01:12
Local clock offset: -0.034 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-06-20 09:56:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 51.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 51.726 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-20 07:21:13

End at: 2018-06-20 07:21:43

Local clock offset: 0.045 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-20 09:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.16 Mbit/s

95th percentile per-packet one-way delay: 51.542 ms

Loss rate: 0.00%

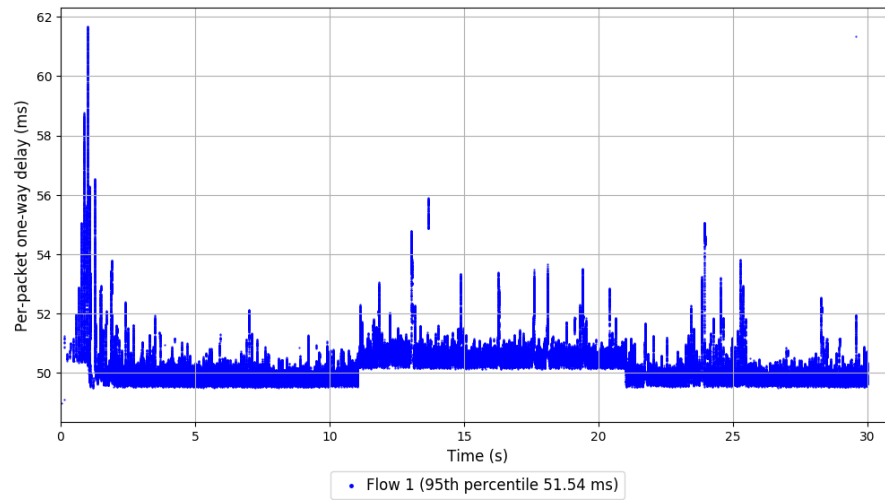
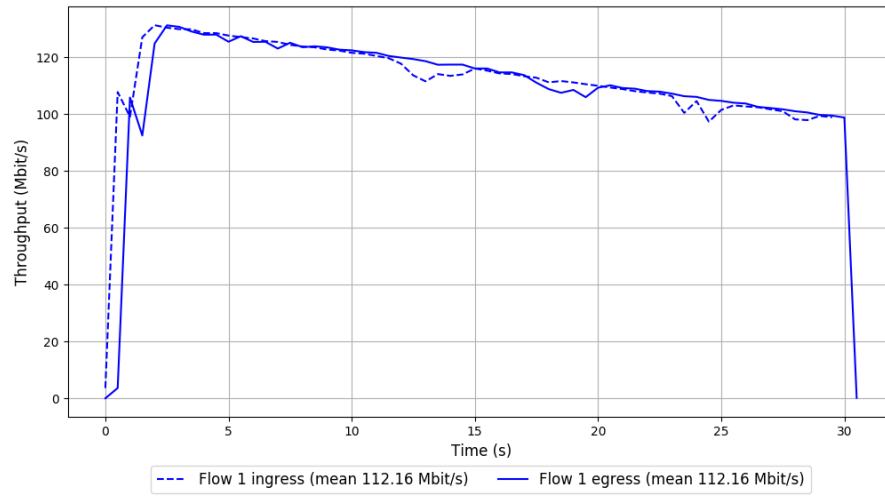
-- Flow 1:

Average throughput: 112.16 Mbit/s

95th percentile per-packet one-way delay: 51.542 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-20 07:41:53

End at: 2018-06-20 07:42:23

Local clock offset: 0.03 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-20 09:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 51.934 ms

Loss rate: 0.00%

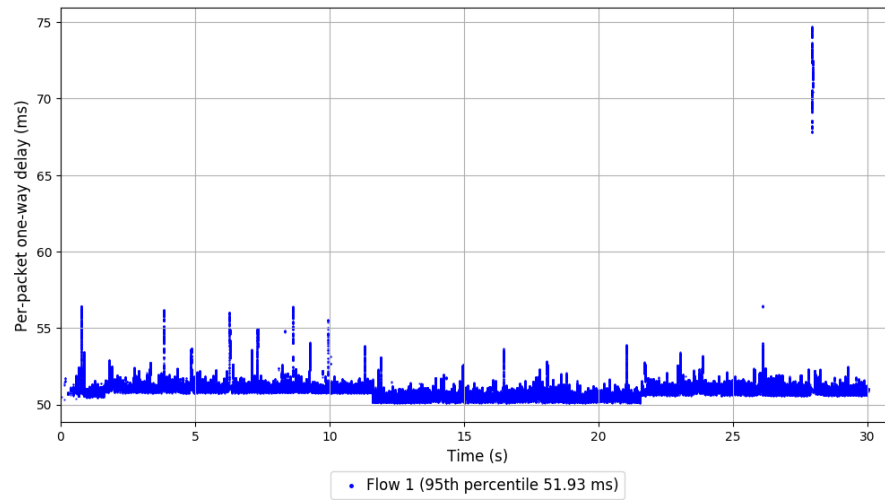
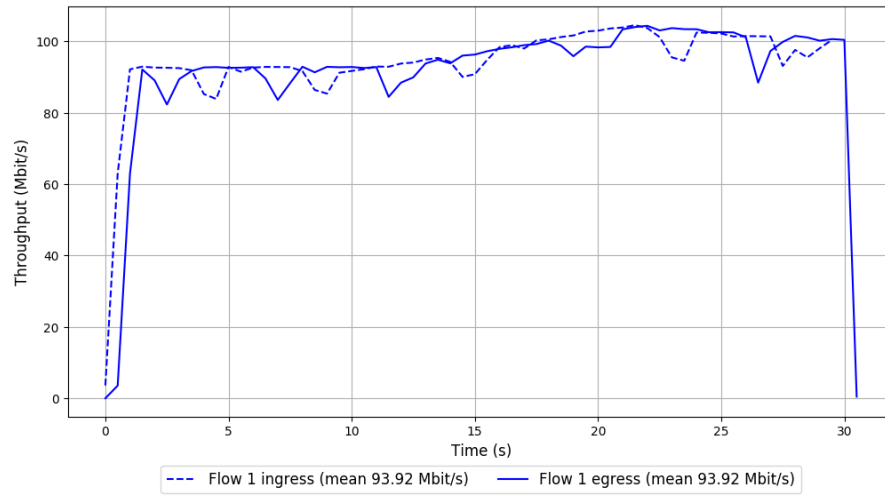
-- Flow 1:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 51.934 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-20 08:02:29

End at: 2018-06-20 08:02:59

Local clock offset: -0.07 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-06-20 09:56:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 53.146 ms

Loss rate: 0.00%

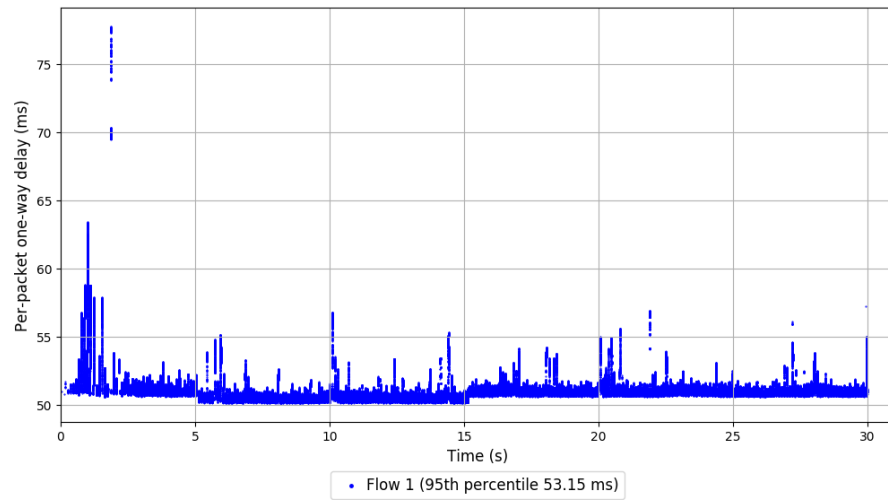
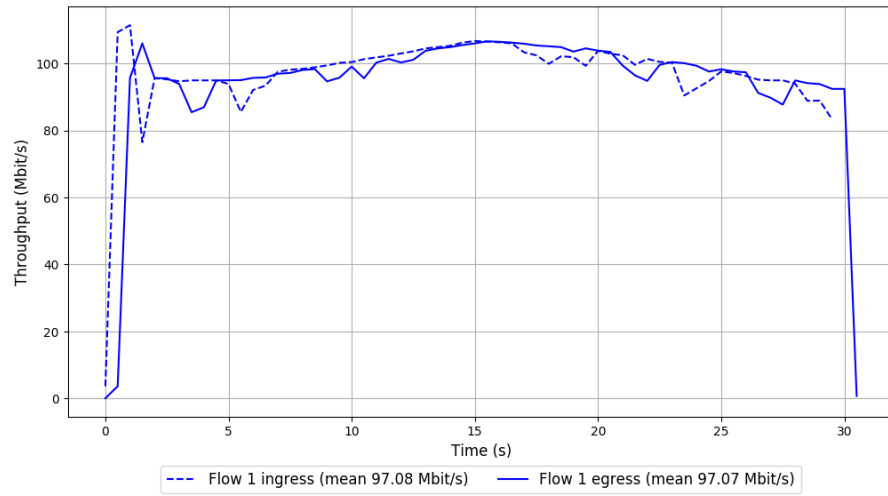
-- Flow 1:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 53.146 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-20 08:23:13

End at: 2018-06-20 08:23:43

Local clock offset: -0.088 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-20 09:56:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.36 Mbit/s

95th percentile per-packet one-way delay: 51.666 ms

Loss rate: 0.00%

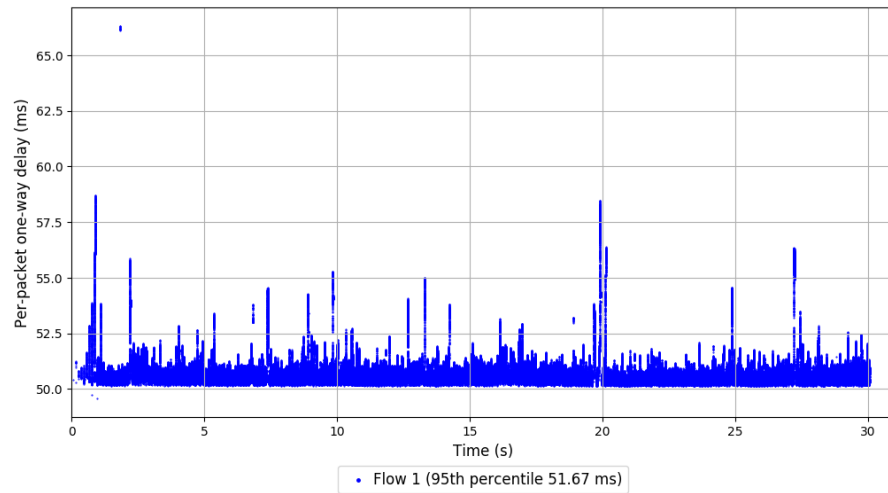
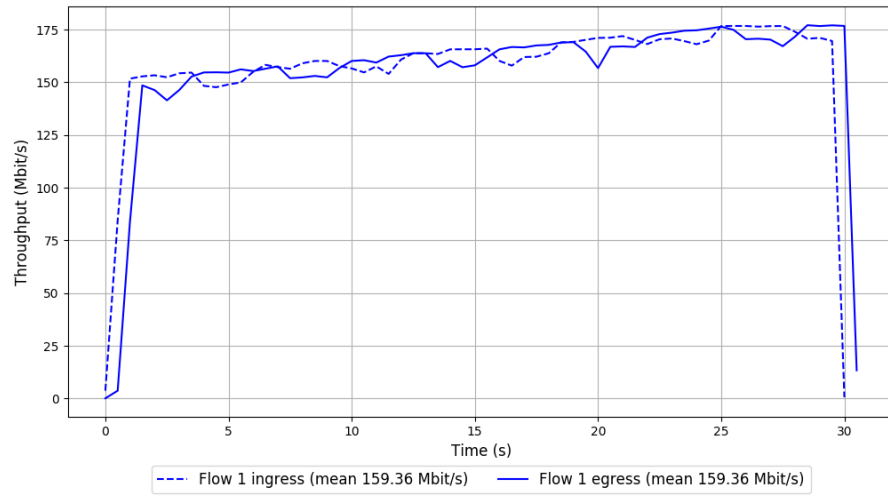
-- Flow 1:

Average throughput: 159.36 Mbit/s

95th percentile per-packet one-way delay: 51.666 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

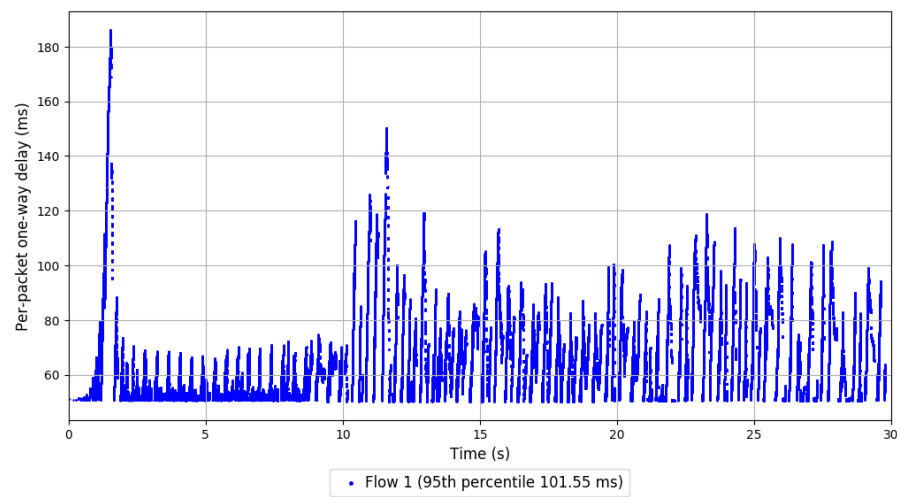
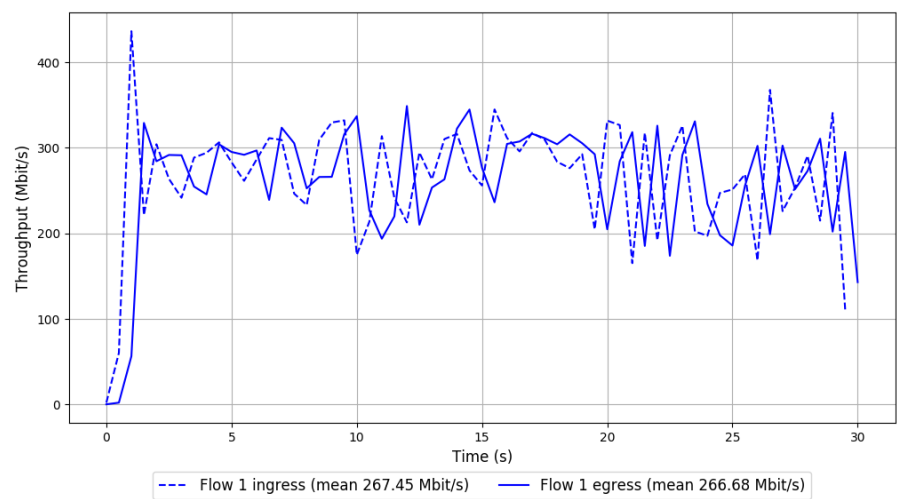


Run 1: Statistics of Verus

Start at: 2018-06-20 04:58:55
End at: 2018-06-20 04:59:25
Local clock offset: 0.094 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-20 09:59:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.68 Mbit/s
95th percentile per-packet one-way delay: 101.547 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 266.68 Mbit/s
95th percentile per-packet one-way delay: 101.547 ms
Loss rate: 0.29%

Run 1: Report of Verus — Data Link

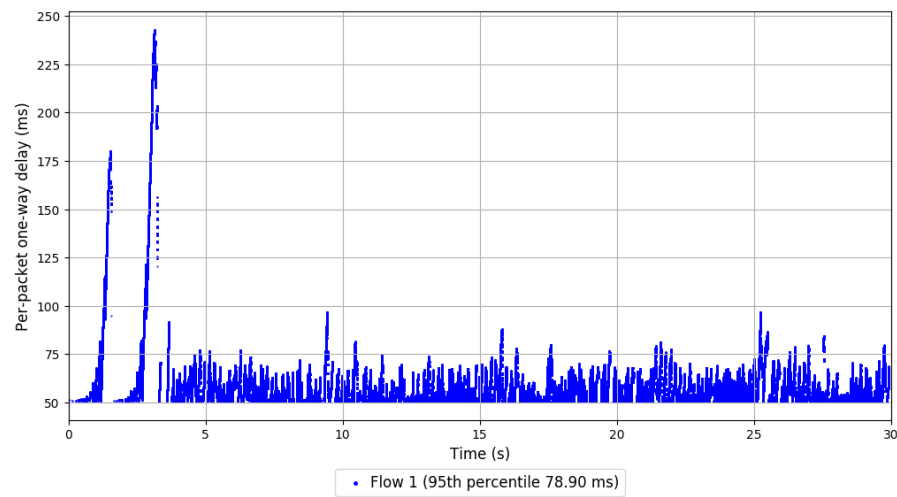
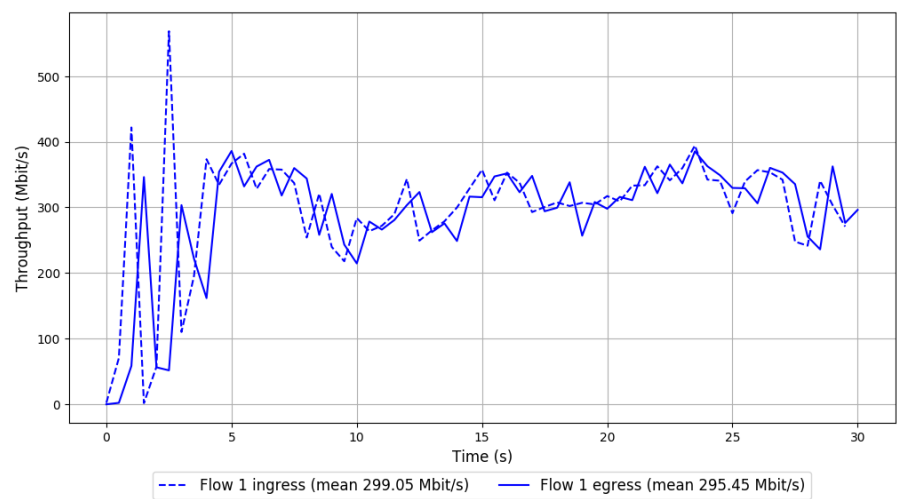


Run 2: Statistics of Verus

Start at: 2018-06-20 05:19:45
End at: 2018-06-20 05:20:15
Local clock offset: -0.264 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-06-20 09:59:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.45 Mbit/s
95th percentile per-packet one-way delay: 78.898 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 295.45 Mbit/s
95th percentile per-packet one-way delay: 78.898 ms
Loss rate: 1.20%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-20 05:40:23

End at: 2018-06-20 05:40:53

Local clock offset: 0.097 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-20 10:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.10 Mbit/s

95th percentile per-packet one-way delay: 82.910 ms

Loss rate: 1.62%

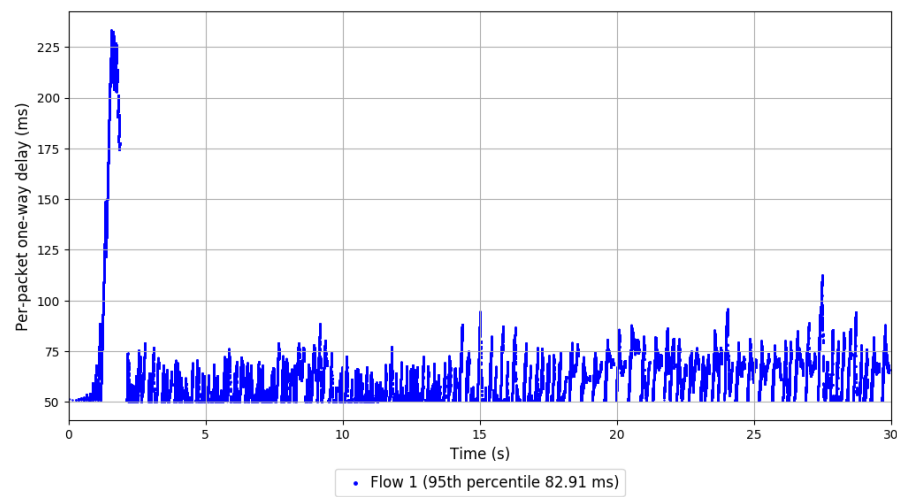
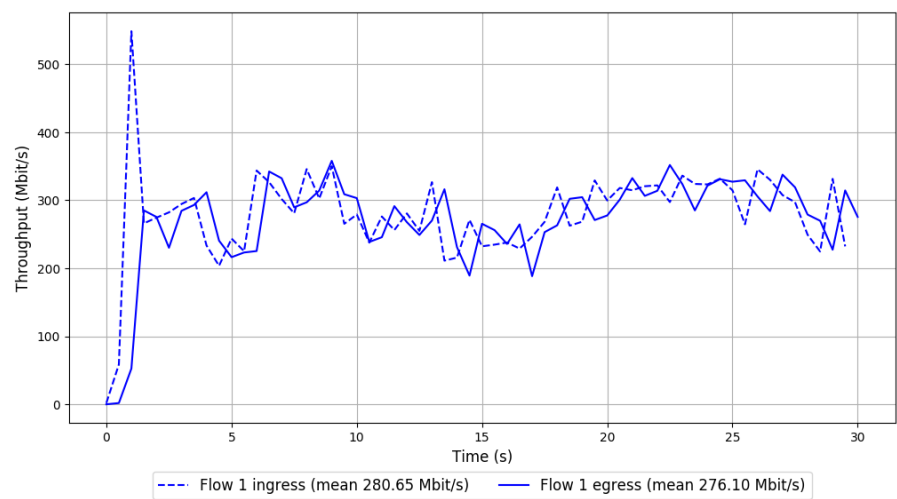
-- Flow 1:

Average throughput: 276.10 Mbit/s

95th percentile per-packet one-way delay: 82.910 ms

Loss rate: 1.62%

Run 3: Report of Verus — Data Link

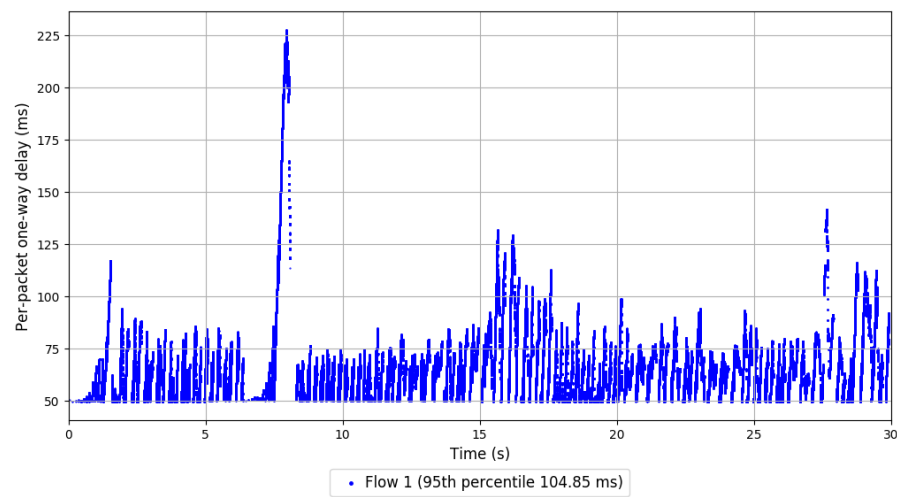
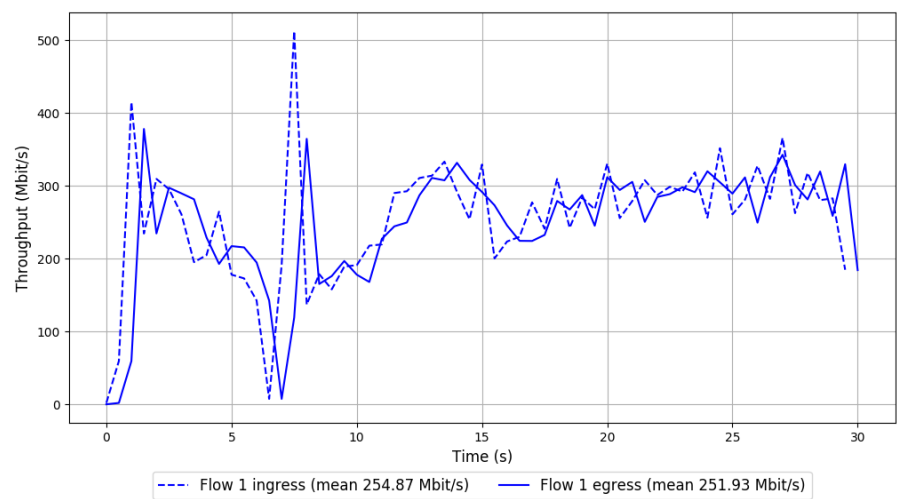


Run 4: Statistics of Verus

Start at: 2018-06-20 06:01:09
End at: 2018-06-20 06:01:39
Local clock offset: 0.424 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-20 10:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.93 Mbit/s
95th percentile per-packet one-way delay: 104.853 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 251.93 Mbit/s
95th percentile per-packet one-way delay: 104.853 ms
Loss rate: 1.15%

Run 4: Report of Verus — Data Link

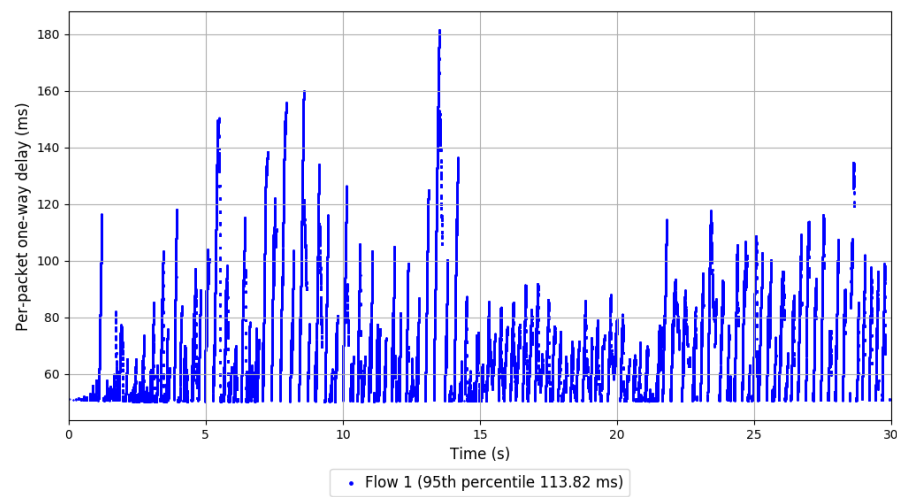
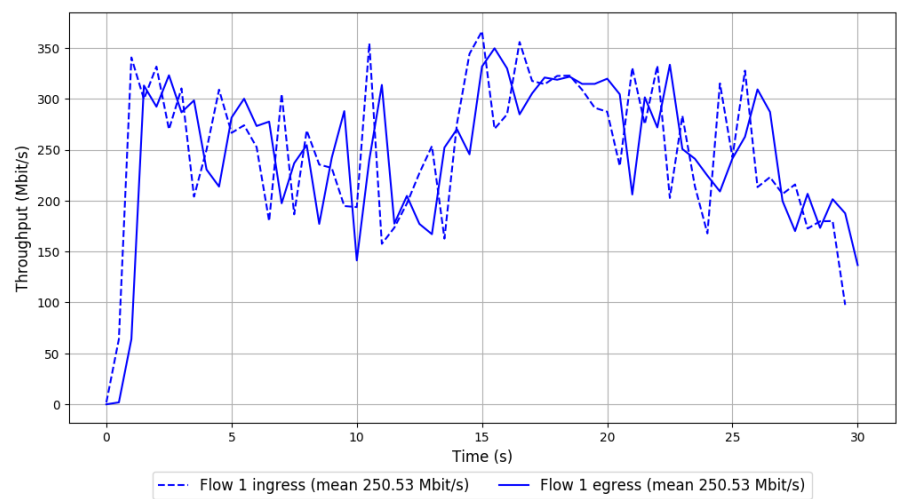


Run 5: Statistics of Verus

Start at: 2018-06-20 06:21:52
End at: 2018-06-20 06:22:22
Local clock offset: 0.015 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-20 10:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.53 Mbit/s
95th percentile per-packet one-way delay: 113.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.53 Mbit/s
95th percentile per-packet one-way delay: 113.819 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

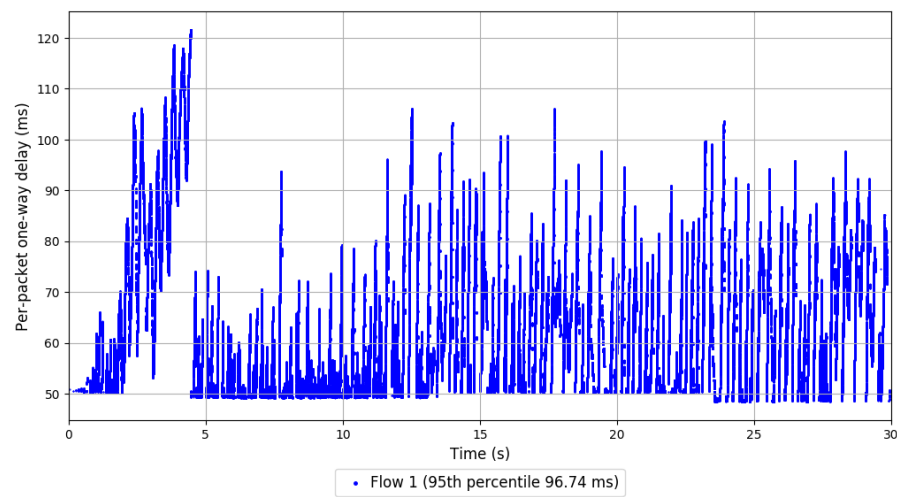
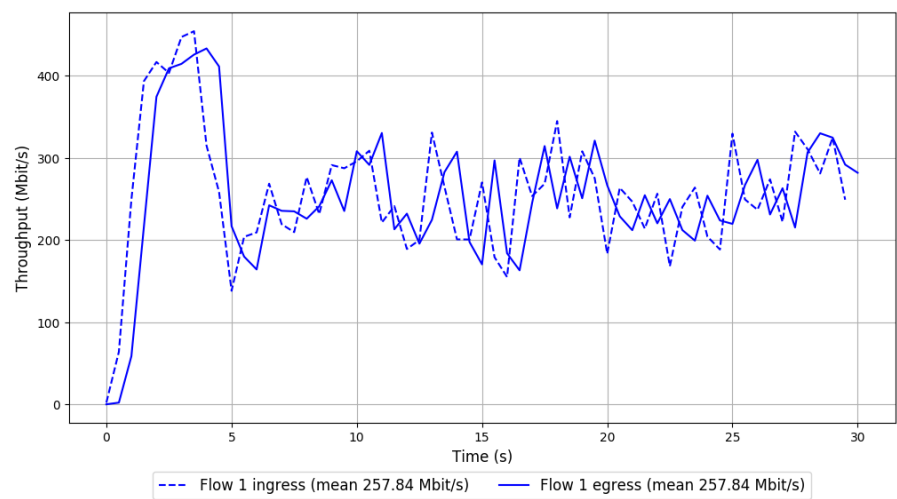


Run 6: Statistics of Verus

Start at: 2018-06-20 06:42:41
End at: 2018-06-20 06:43:11
Local clock offset: 0.317 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-06-20 10:00:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.84 Mbit/s
95th percentile per-packet one-way delay: 96.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.84 Mbit/s
95th percentile per-packet one-way delay: 96.736 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-20 07:03:04

End at: 2018-06-20 07:03:34

Local clock offset: -0.027 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-06-20 10:01:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.28 Mbit/s

95th percentile per-packet one-way delay: 236.634 ms

Loss rate: 4.25%

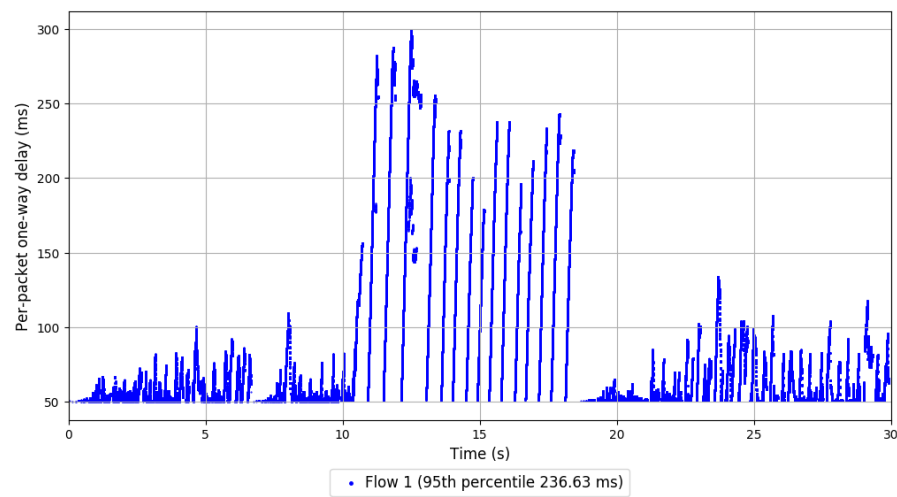
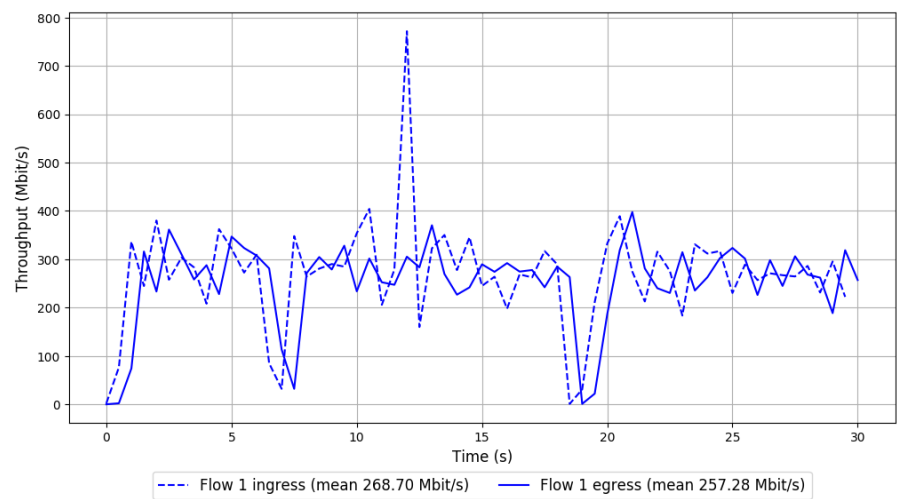
-- Flow 1:

Average throughput: 257.28 Mbit/s

95th percentile per-packet one-way delay: 236.634 ms

Loss rate: 4.25%

Run 7: Report of Verus — Data Link

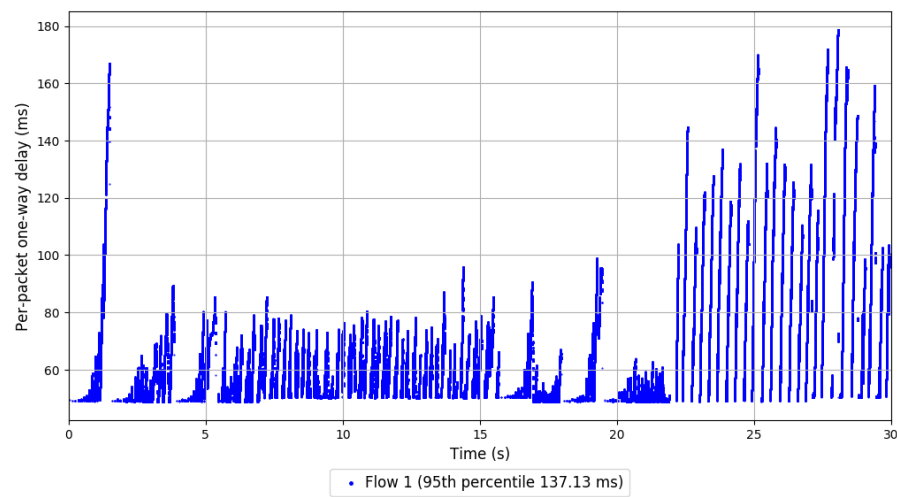
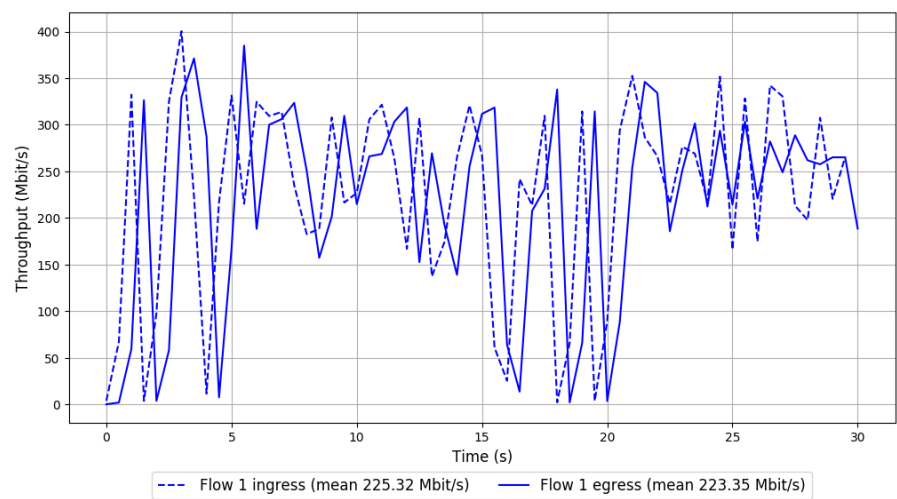


Run 8: Statistics of Verus

Start at: 2018-06-20 07:23:37
End at: 2018-06-20 07:24:07
Local clock offset: 0.063 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-20 10:01:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.35 Mbit/s
95th percentile per-packet one-way delay: 137.135 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 223.35 Mbit/s
95th percentile per-packet one-way delay: 137.135 ms
Loss rate: 0.86%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-20 07:44:19

End at: 2018-06-20 07:44:49

Local clock offset: -0.006 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-20 10:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.33 Mbit/s

95th percentile per-packet one-way delay: 139.737 ms

Loss rate: 0.09%

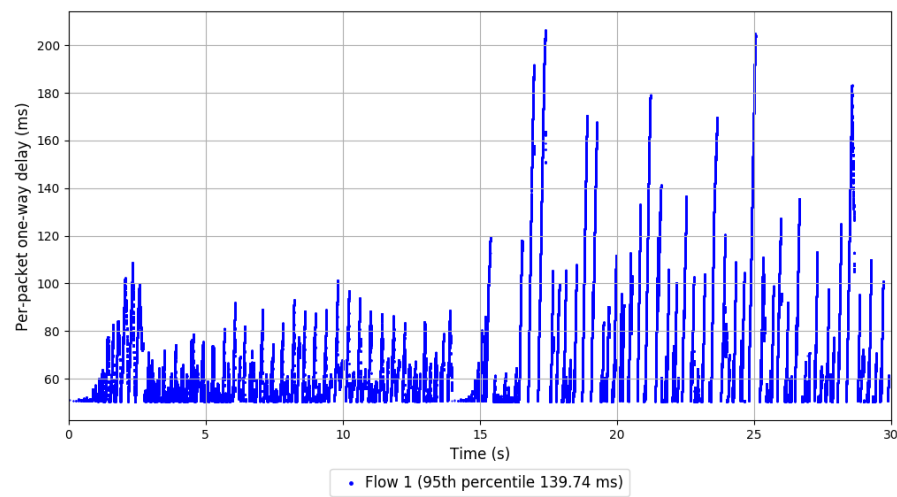
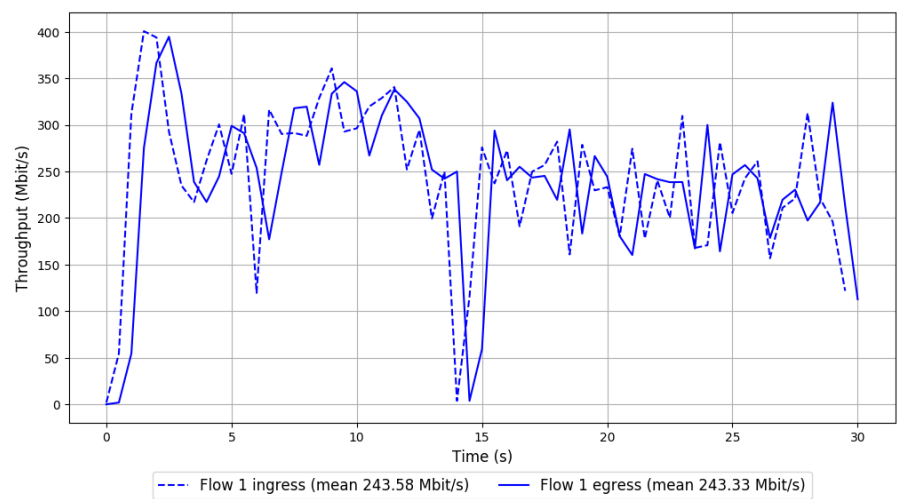
-- Flow 1:

Average throughput: 243.33 Mbit/s

95th percentile per-packet one-way delay: 139.737 ms

Loss rate: 0.09%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-20 08:04:53

End at: 2018-06-20 08:05:23

Local clock offset: -0.395 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-20 10:04:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.13 Mbit/s

95th percentile per-packet one-way delay: 98.917 ms

Loss rate: 0.48%

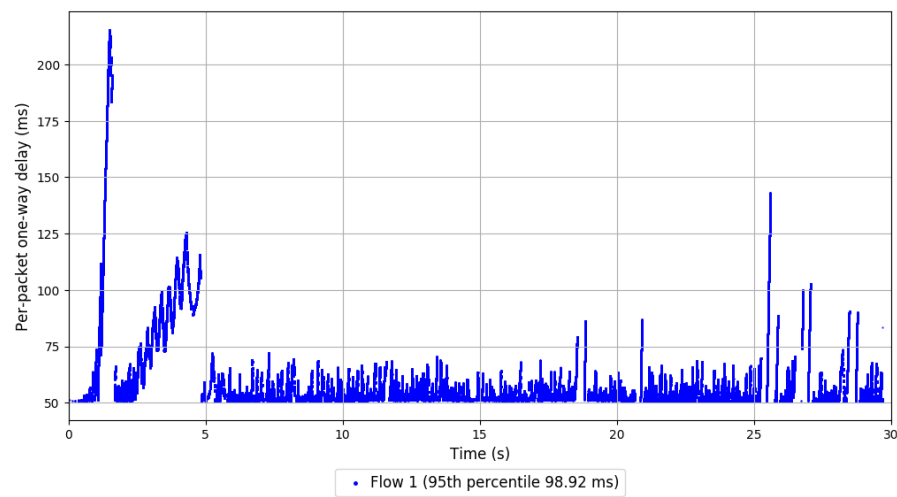
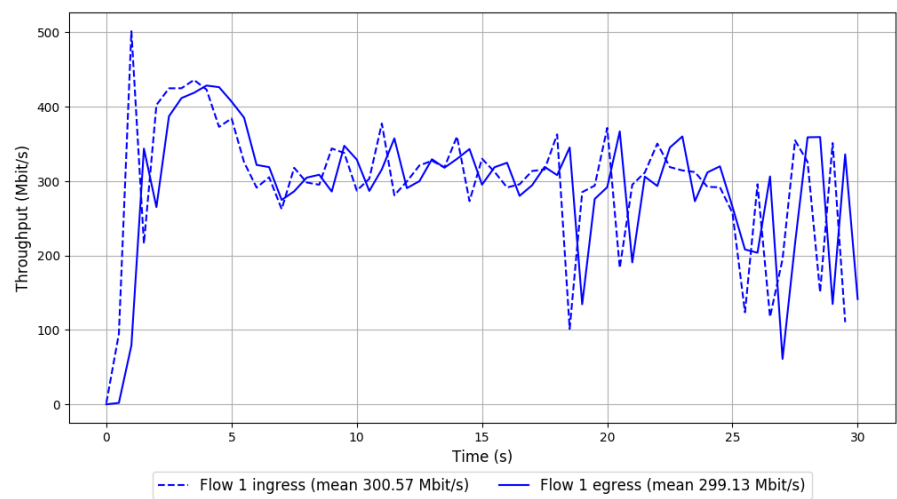
-- Flow 1:

Average throughput: 299.13 Mbit/s

95th percentile per-packet one-way delay: 98.917 ms

Loss rate: 0.48%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-20 05:15:45

End at: 2018-06-20 05:16:15

Local clock offset: 0.151 ms

Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-20 10:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.07 Mbit/s

95th percentile per-packet one-way delay: 69.331 ms

Loss rate: 0.06%

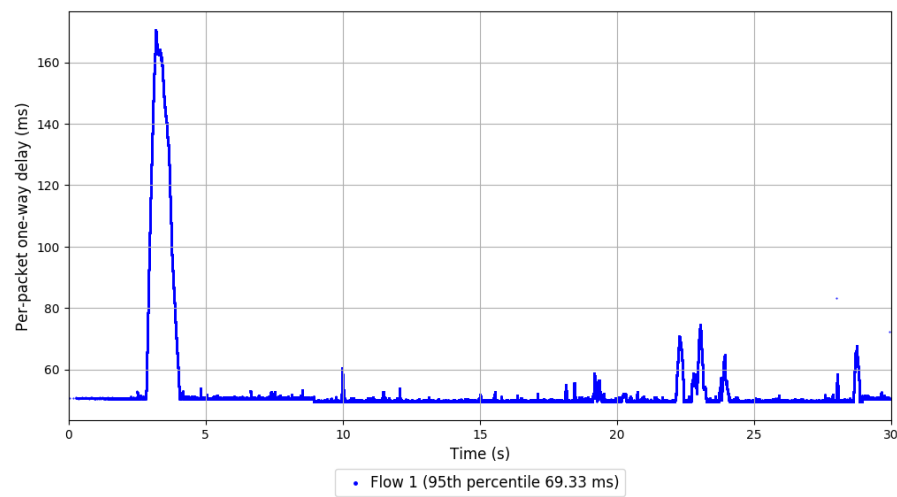
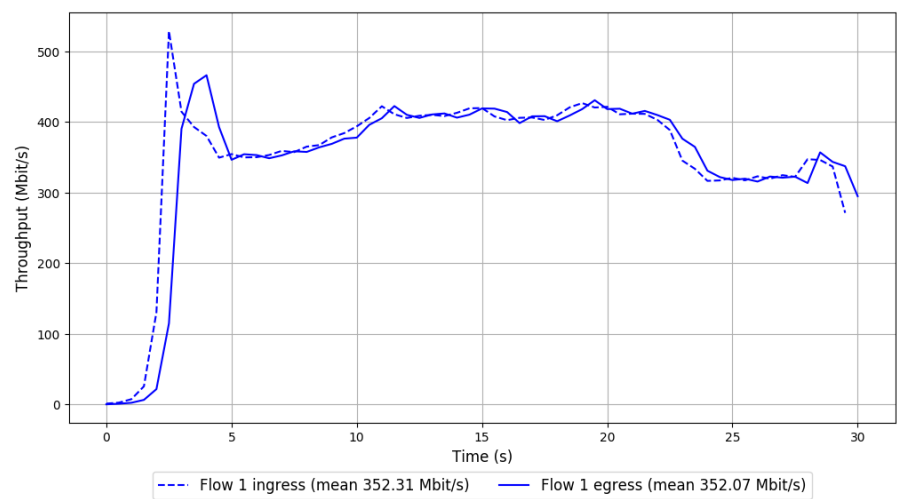
-- Flow 1:

Average throughput: 352.07 Mbit/s

95th percentile per-packet one-way delay: 69.331 ms

Loss rate: 0.06%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-20 05:36:27

End at: 2018-06-20 05:36:57

Local clock offset: 0.121 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-20 10:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.77 Mbit/s

95th percentile per-packet one-way delay: 81.846 ms

Loss rate: 0.10%

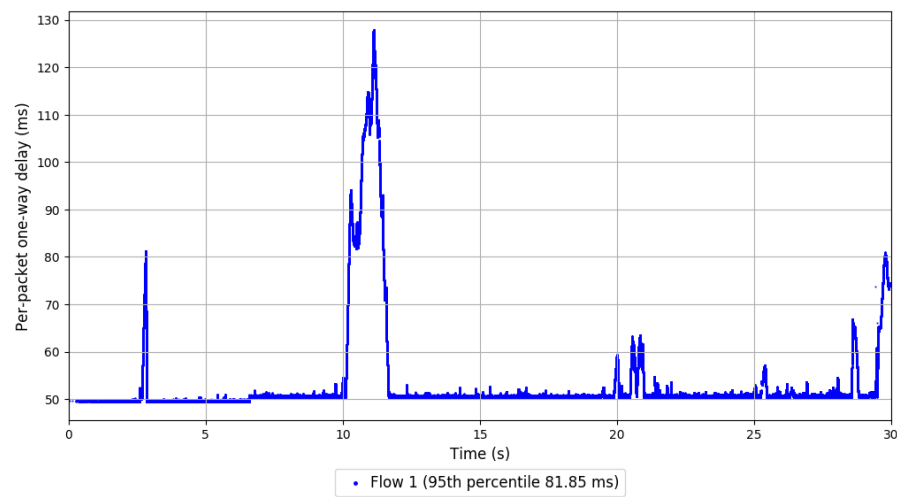
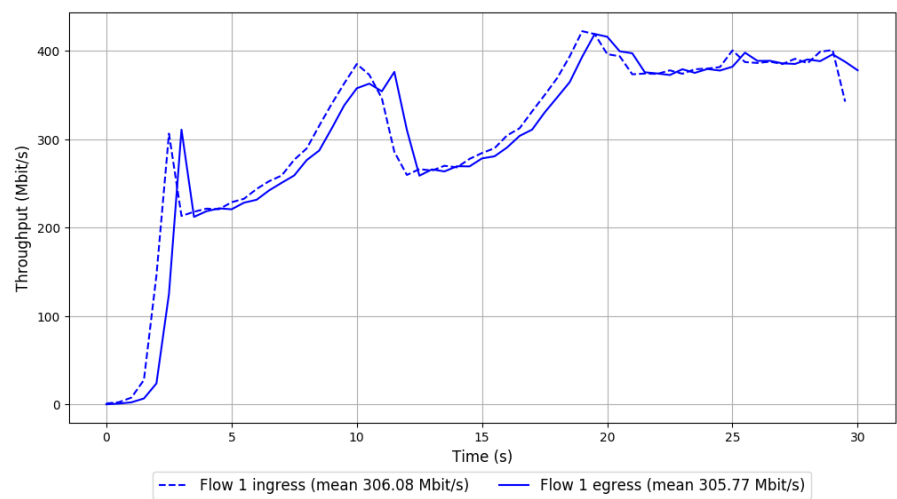
-- Flow 1:

Average throughput: 305.77 Mbit/s

95th percentile per-packet one-way delay: 81.846 ms

Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-20 05:57:12

End at: 2018-06-20 05:57:42

Local clock offset: 0.039 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-20 10:06:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.66 Mbit/s

95th percentile per-packet one-way delay: 74.180 ms

Loss rate: 0.00%

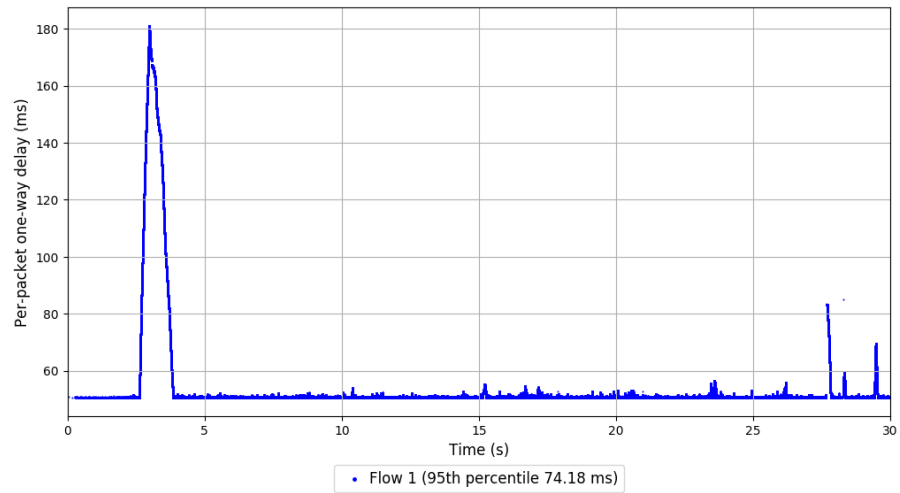
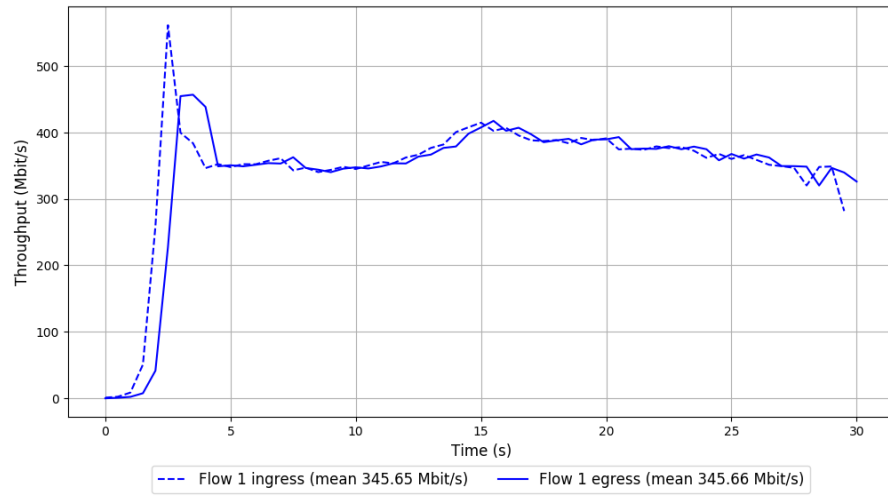
-- Flow 1:

Average throughput: 345.66 Mbit/s

95th percentile per-packet one-way delay: 74.180 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-20 06:17:56

End at: 2018-06-20 06:18:26

Local clock offset: 0.421 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-20 10:06:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.72 Mbit/s

95th percentile per-packet one-way delay: 52.590 ms

Loss rate: 0.00%

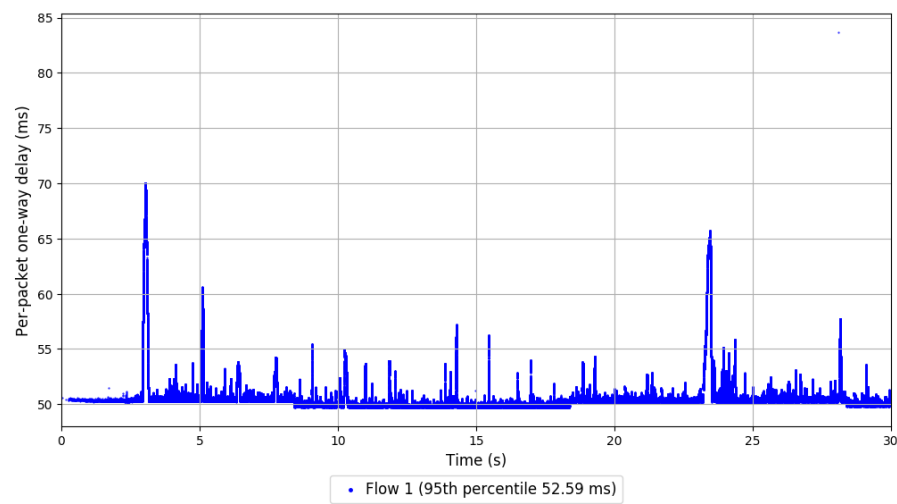
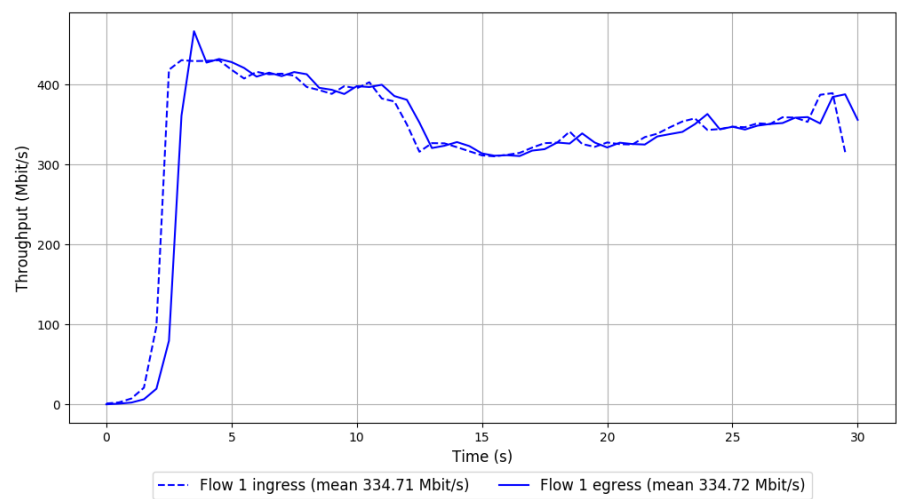
-- Flow 1:

Average throughput: 334.72 Mbit/s

95th percentile per-packet one-way delay: 52.590 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-20 06:38:43

End at: 2018-06-20 06:39:13

Local clock offset: 0.365 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-06-20 10:07:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.72 Mbit/s

95th percentile per-packet one-way delay: 51.931 ms

Loss rate: 0.00%

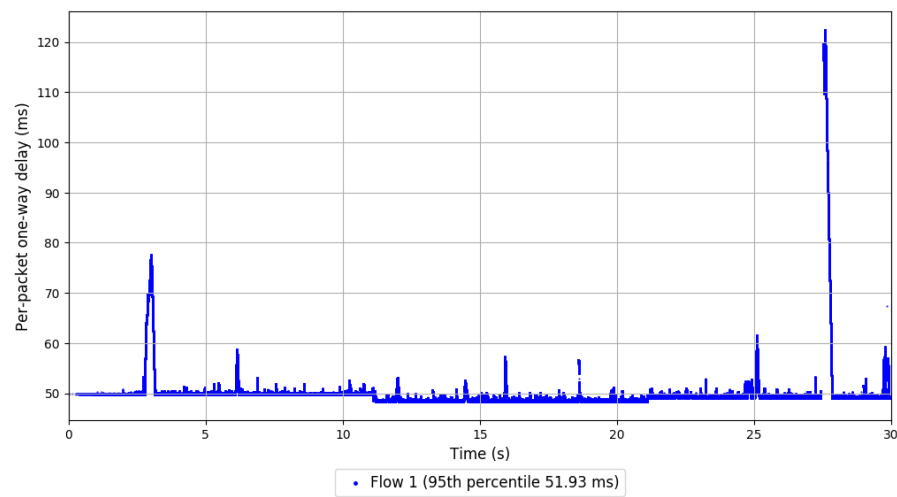
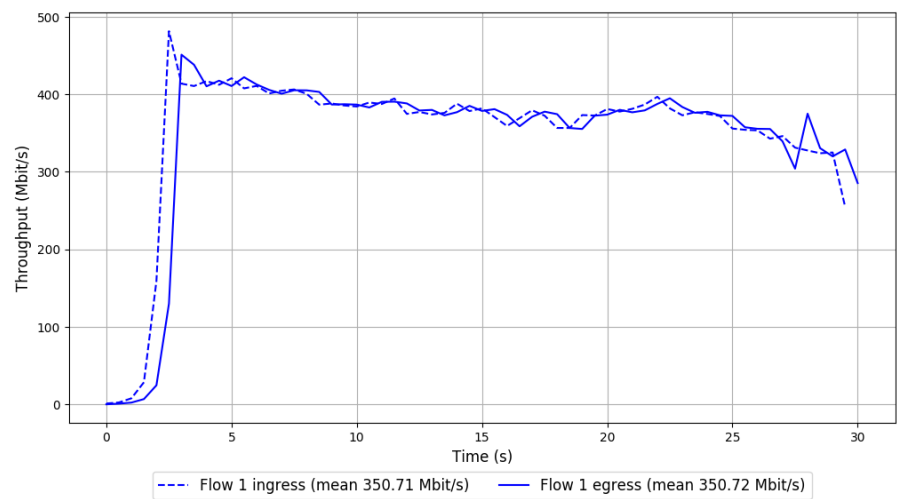
-- Flow 1:

Average throughput: 350.72 Mbit/s

95th percentile per-packet one-way delay: 51.931 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

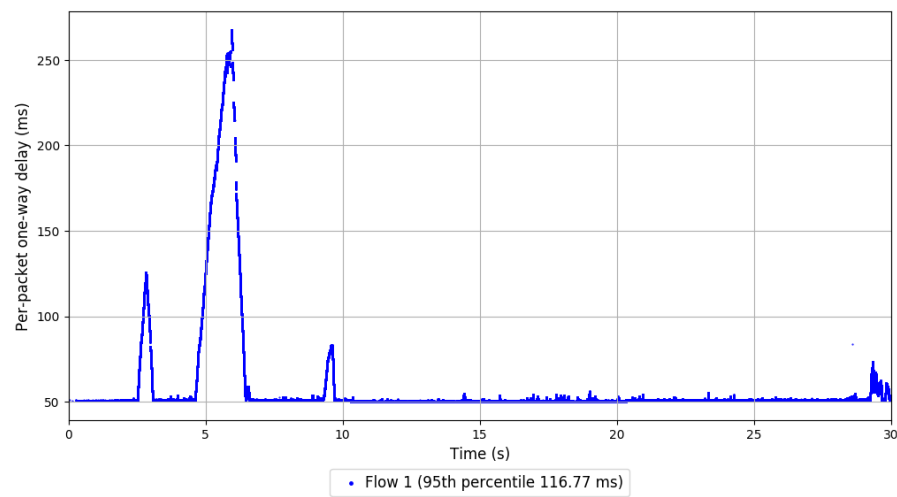
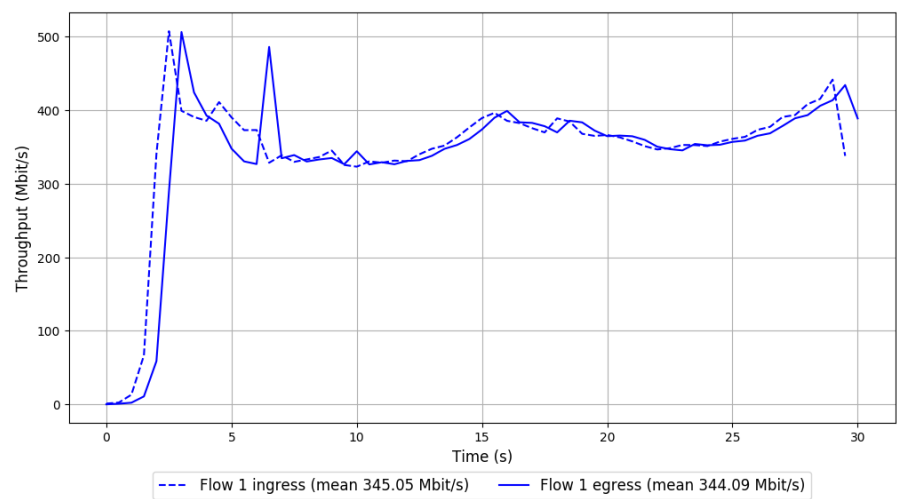


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-20 06:59:14
End at: 2018-06-20 06:59:44
Local clock offset: -0.005 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-06-20 10:07:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.09 Mbit/s
95th percentile per-packet one-way delay: 116.768 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 344.09 Mbit/s
95th percentile per-packet one-way delay: 116.768 ms
Loss rate: 0.28%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-20 07:19:45

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

Local clock offset: 0.031 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-20 10:08:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.00 Mbit/s

95th percentile per-packet one-way delay: 101.597 ms

Loss rate: 0.00%

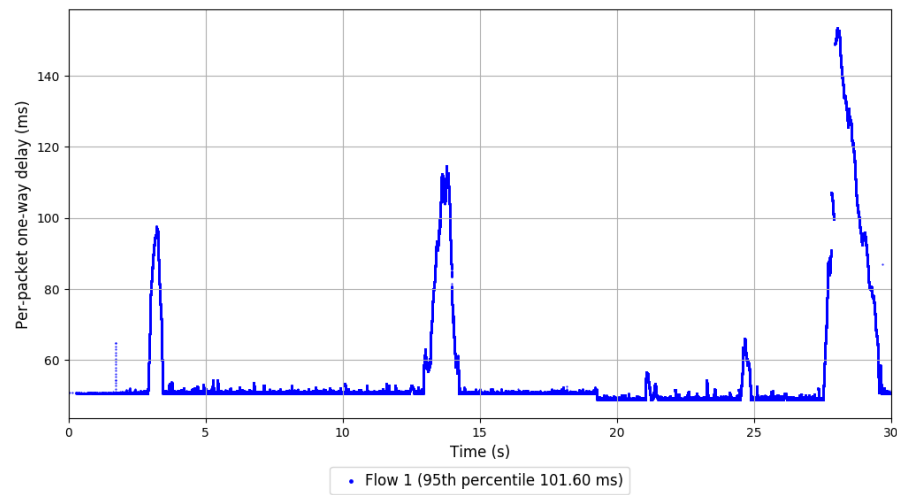
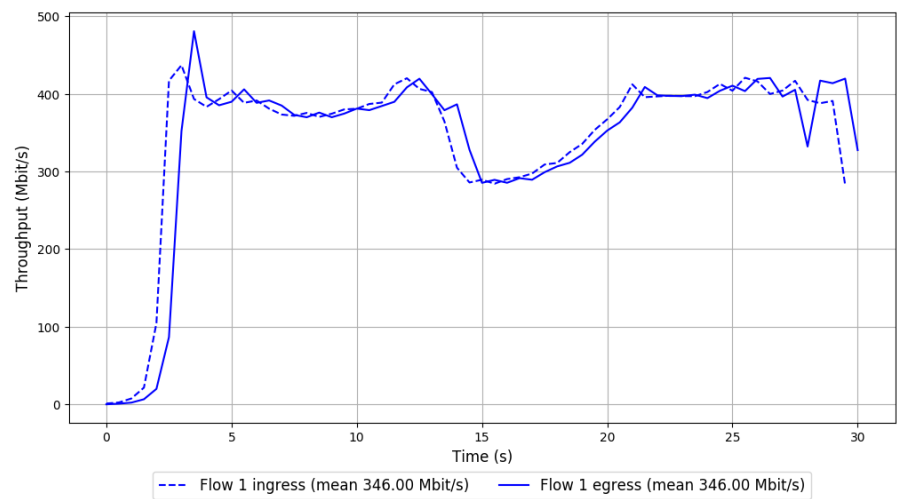
-- Flow 1:

Average throughput: 346.00 Mbit/s

95th percentile per-packet one-way delay: 101.597 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-20 07:40:24

End at: 2018-06-20 07:40:54

Local clock offset: -0.343 ms

Remote clock offset: 0.004 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.83 Mbit/s

95th percentile per-packet one-way delay: 70.254 ms

Loss rate: 0.00%

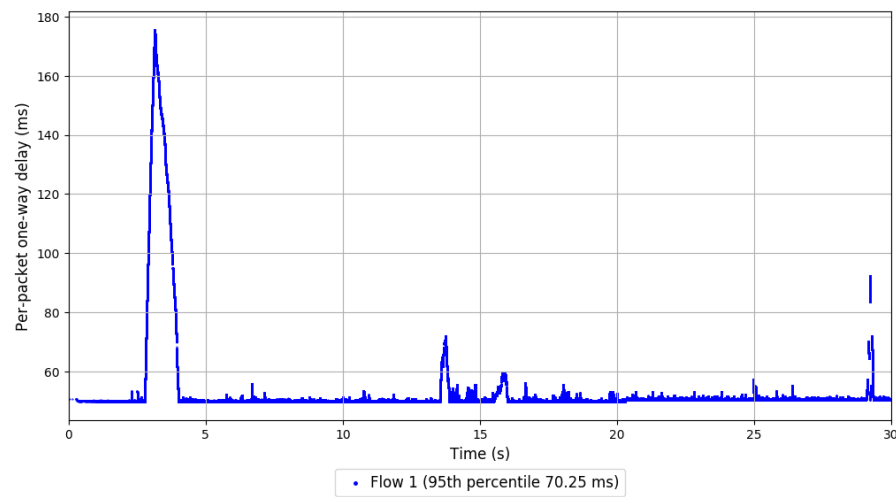
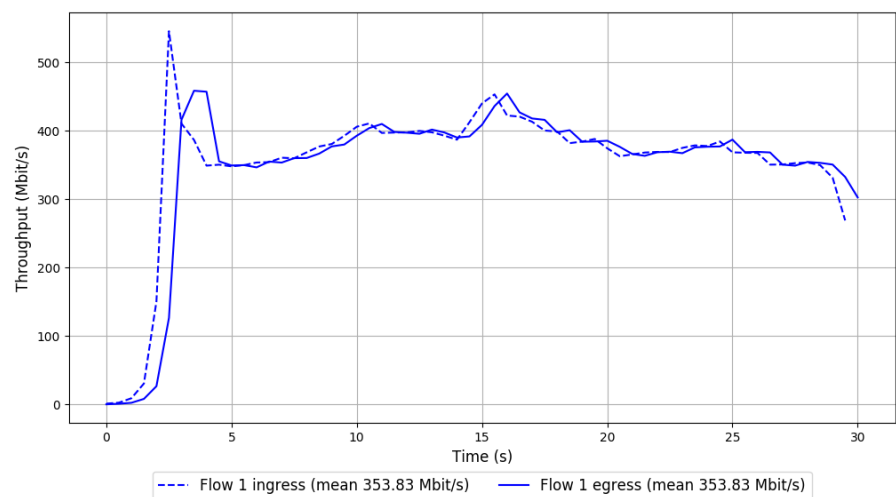
-- Flow 1:

Average throughput: 353.83 Mbit/s

95th percentile per-packet one-way delay: 70.254 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-20 08:01:04

End at: 2018-06-20 08:01:34

Local clock offset: -0.47 ms

Remote clock offset: 0.034 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.89 Mbit/s

95th percentile per-packet one-way delay: 57.141 ms

Loss rate: 0.00%

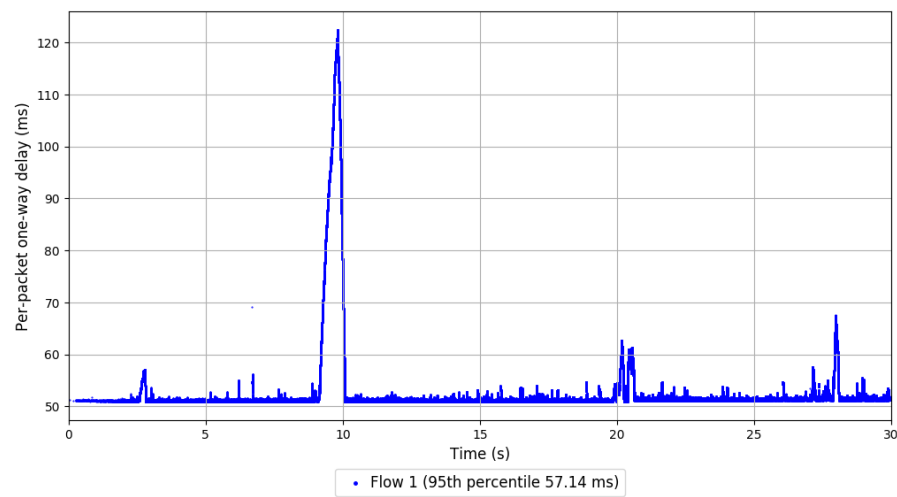
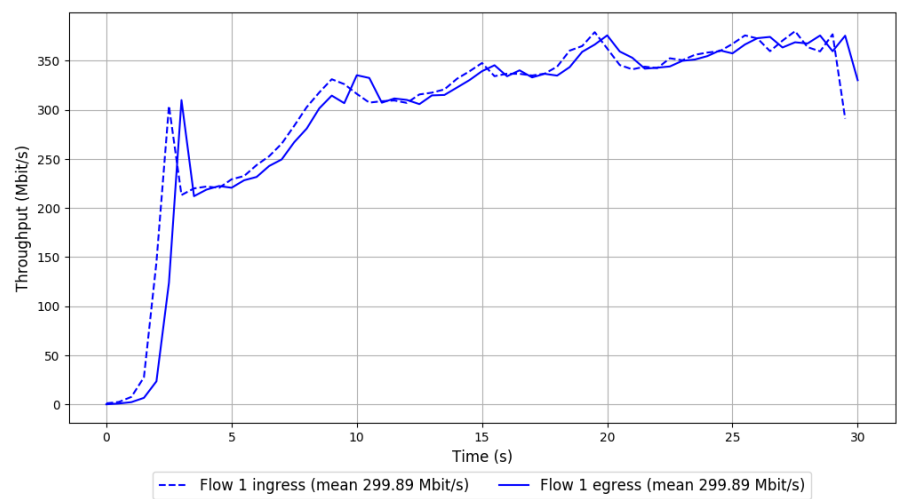
-- Flow 1:

Average throughput: 299.89 Mbit/s

95th percentile per-packet one-way delay: 57.141 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-20 08:21:46

End at: 2018-06-20 08:22:16

Local clock offset: -0.045 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-20 10:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.28 Mbit/s

95th percentile per-packet one-way delay: 87.900 ms

Loss rate: 0.00%

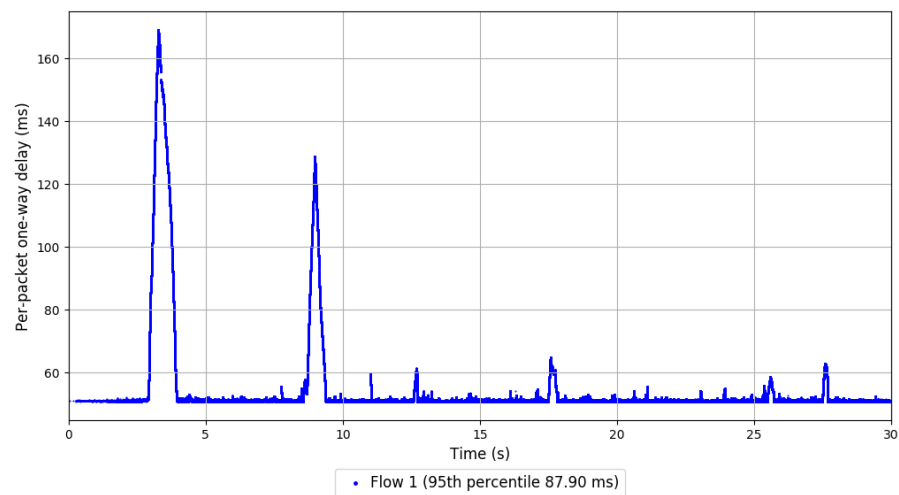
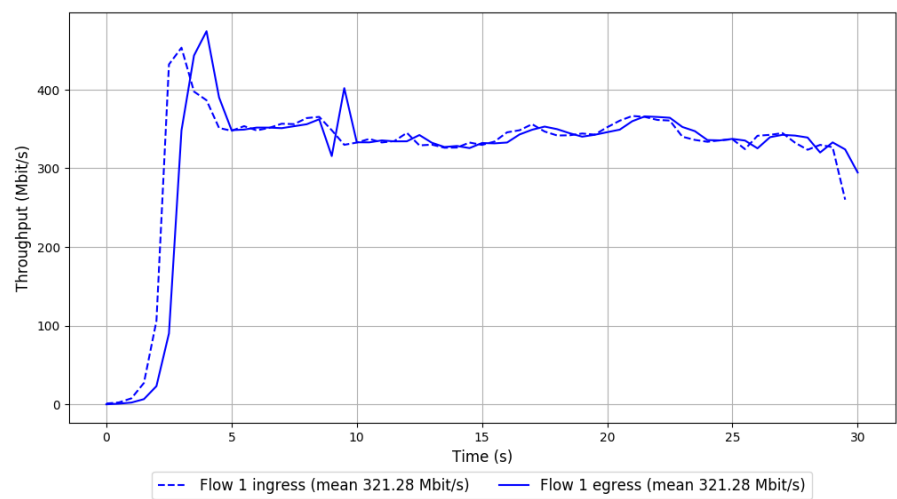
-- Flow 1:

Average throughput: 321.28 Mbit/s

95th percentile per-packet one-way delay: 87.900 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

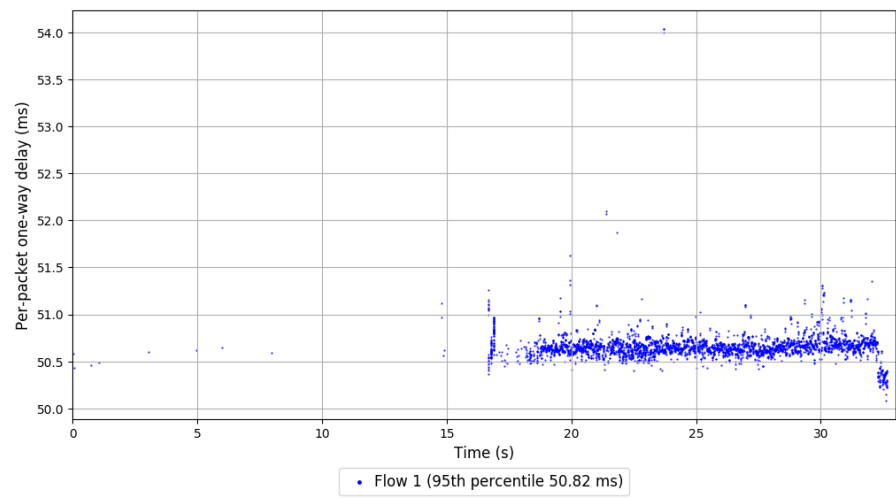
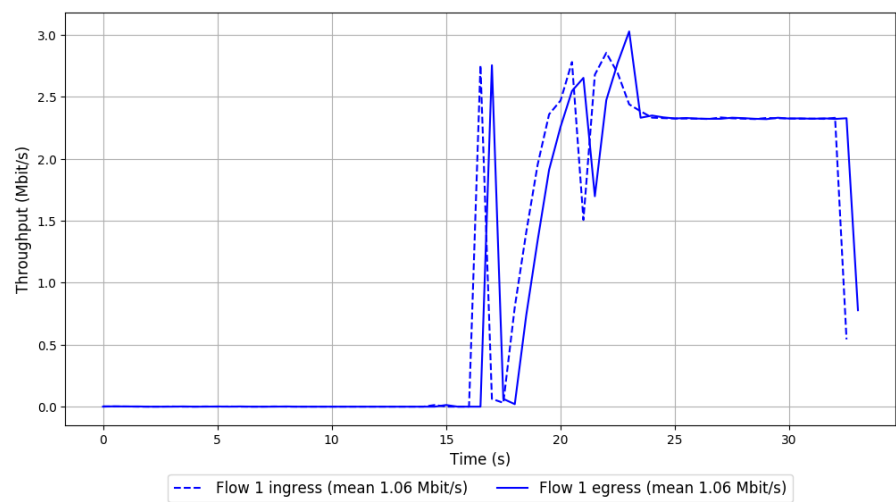


Run 1: Statistics of WebRTC media

Start at: 2018-06-20 05:13:34
End at: 2018-06-20 05:14:04
Local clock offset: 0.142 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-06-20 10:09:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-20 05:34:17

End at: 2018-06-20 05:34:47

Local clock offset: -0.279 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-20 10:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 51.285 ms

Loss rate: 0.00%

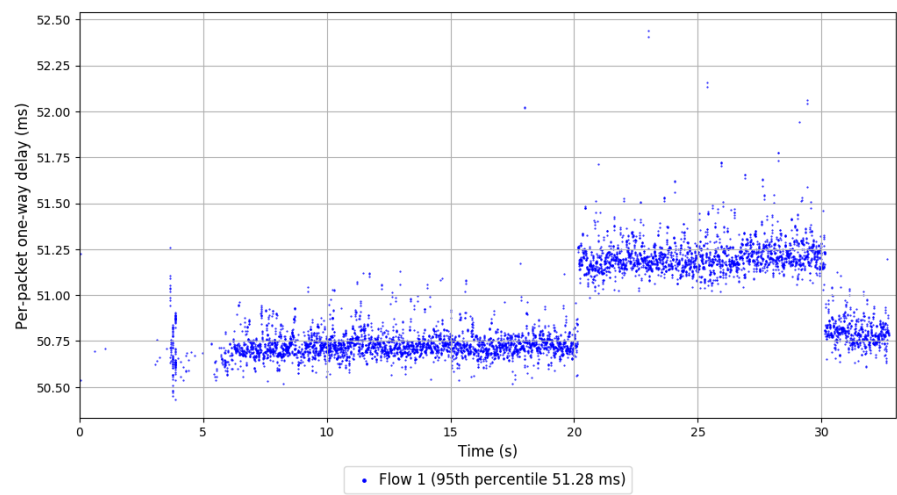
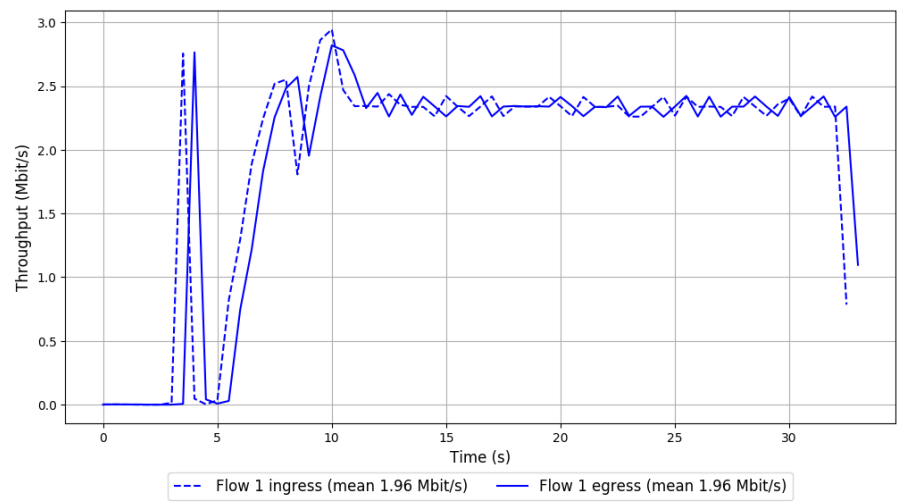
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 51.285 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-20 05:55:01

End at: 2018-06-20 05:55:31

Local clock offset: 0.072 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-20 10:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 50.525 ms

Loss rate: 0.00%

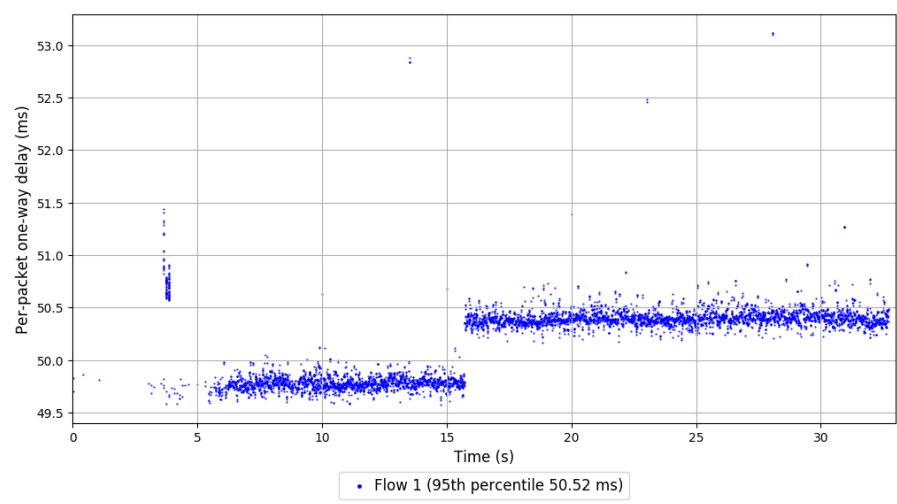
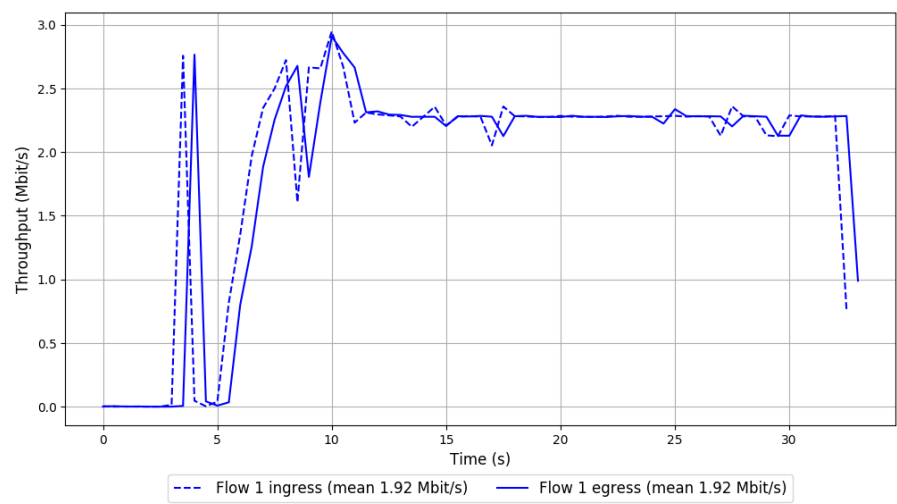
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 50.525 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

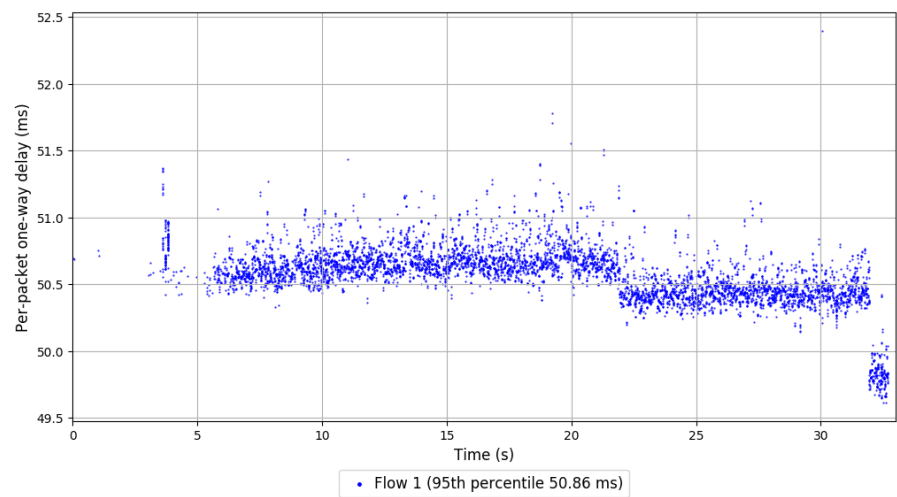
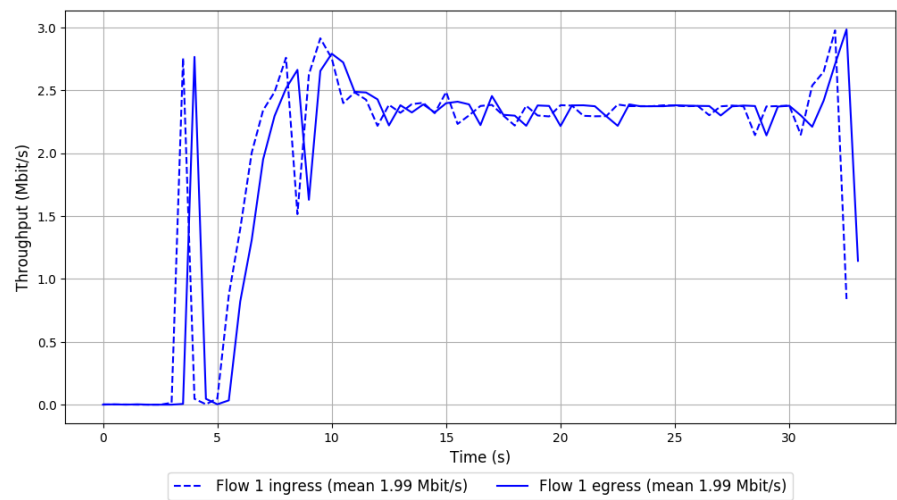


Run 4: Statistics of WebRTC media

Start at: 2018-06-20 06:15:45
End at: 2018-06-20 06:16:15
Local clock offset: -0.007 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-20 10:09:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 50.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 50.859 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

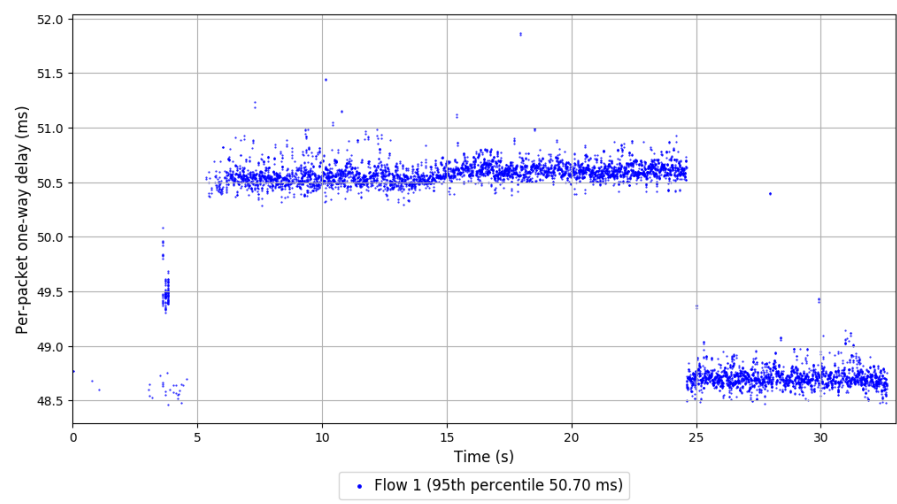
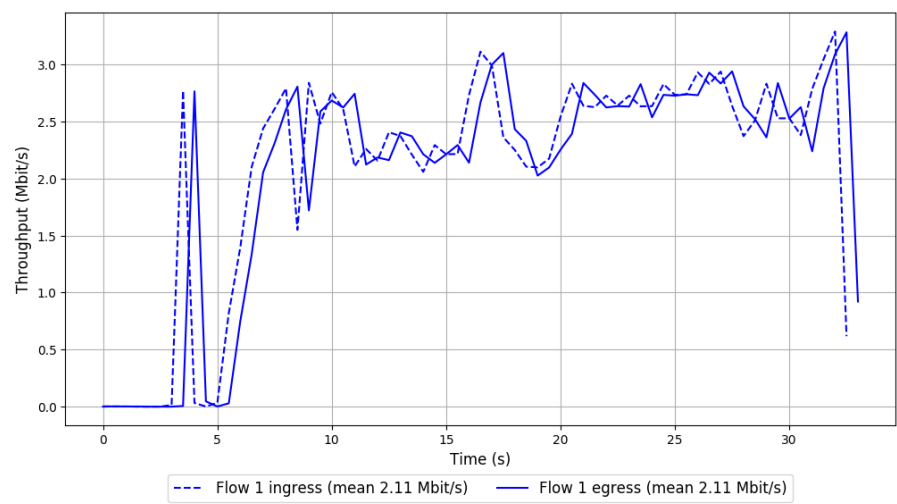


Run 5: Statistics of WebRTC media

Start at: 2018-06-20 06:36:32
End at: 2018-06-20 06:37:02
Local clock offset: 0.303 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-20 10:09:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 50.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 50.704 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

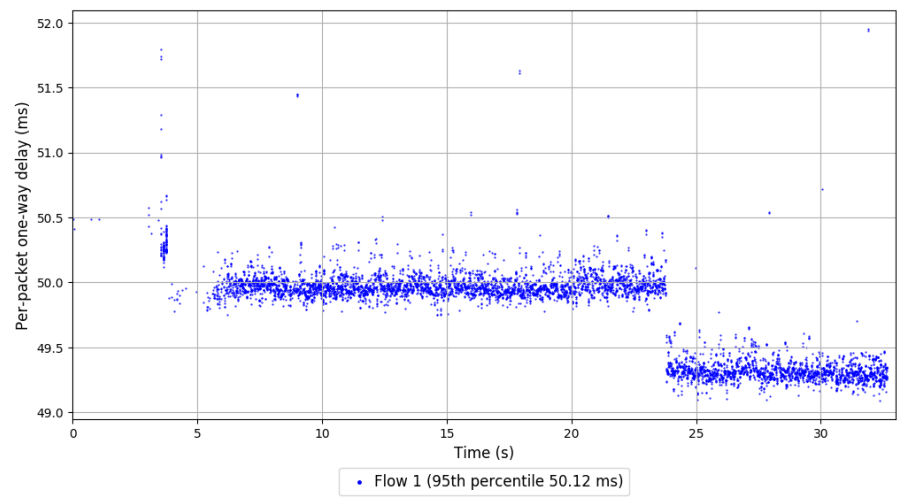
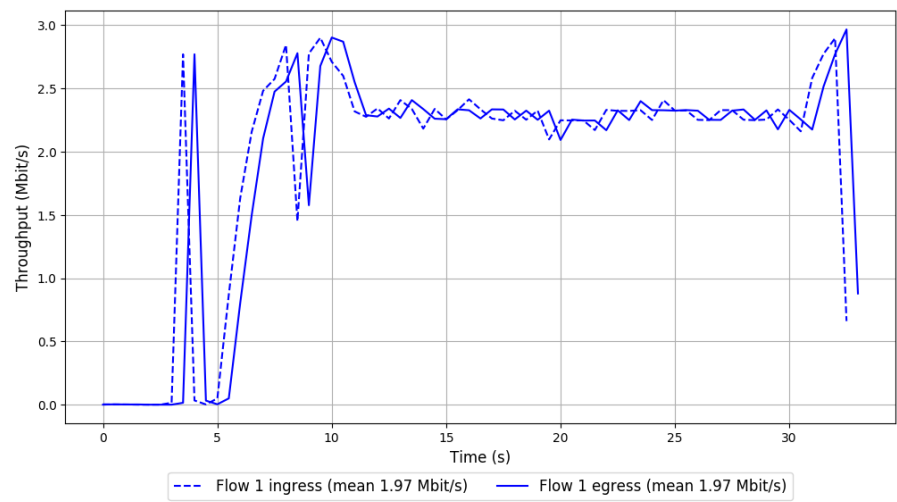


Run 6: Statistics of WebRTC media

Start at: 2018-06-20 06:57:03
End at: 2018-06-20 06:57:33
Local clock offset: 0.368 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-06-20 10:09:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.122 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

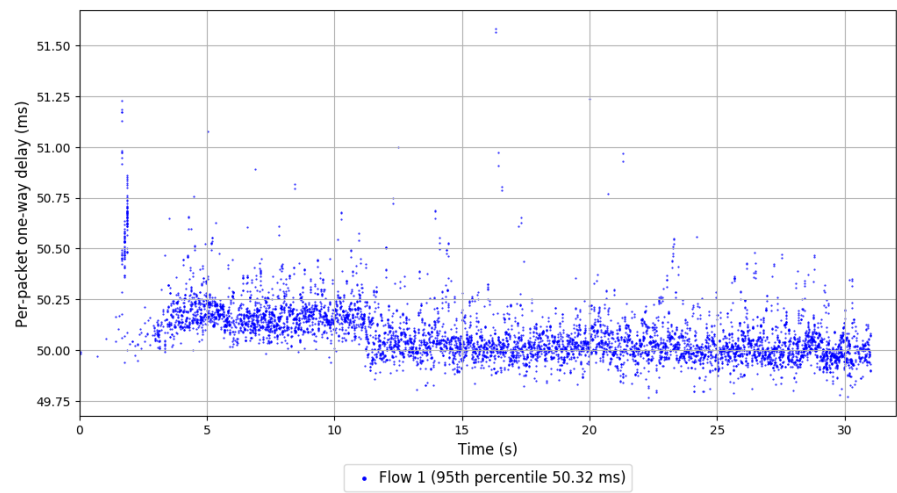
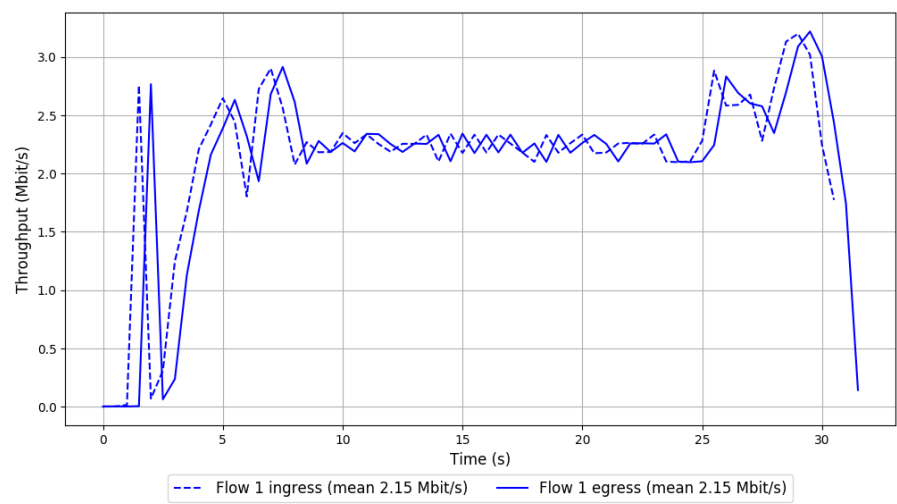


Run 7: Statistics of WebRTC media

Start at: 2018-06-20 07:17:34
End at: 2018-06-20 07:18:04
Local clock offset: 0.391 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-20 10:09:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 50.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 50.321 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-20 07:38:13

End at: 2018-06-20 07:38:43

Local clock offset: -0.306 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-20 10:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 51.154 ms

Loss rate: 0.00%

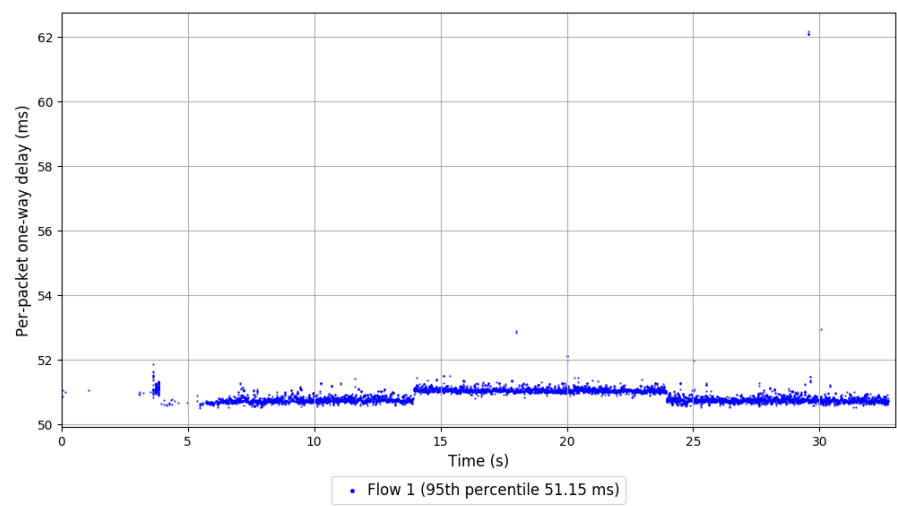
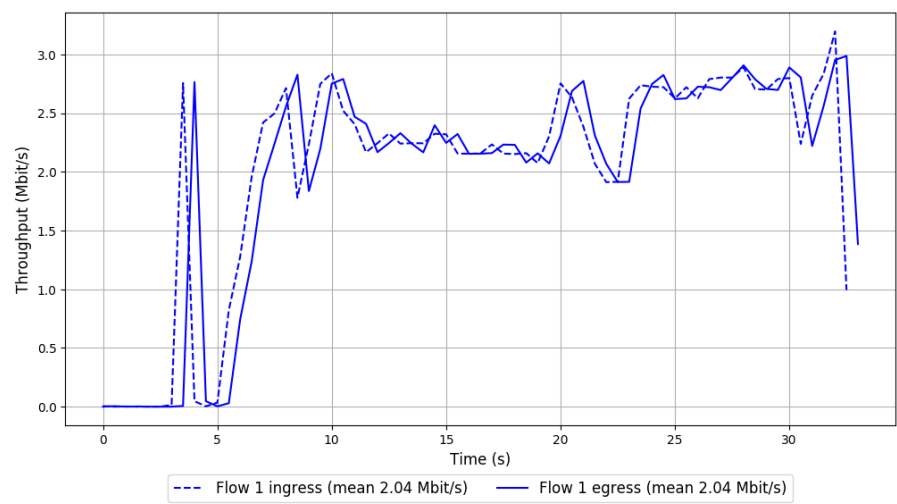
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 51.154 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-20 07:58:53

End at: 2018-06-20 07:59:23

Local clock offset: -0.065 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-20 10:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.856 ms

Loss rate: 0.00%

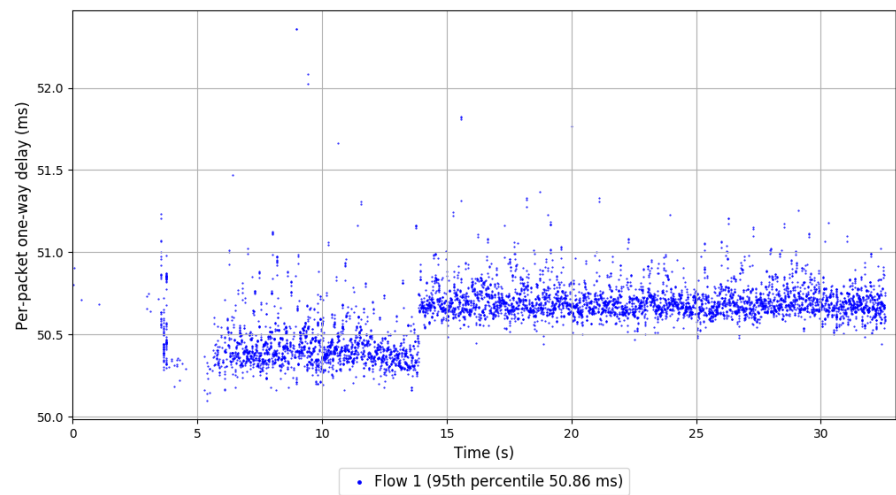
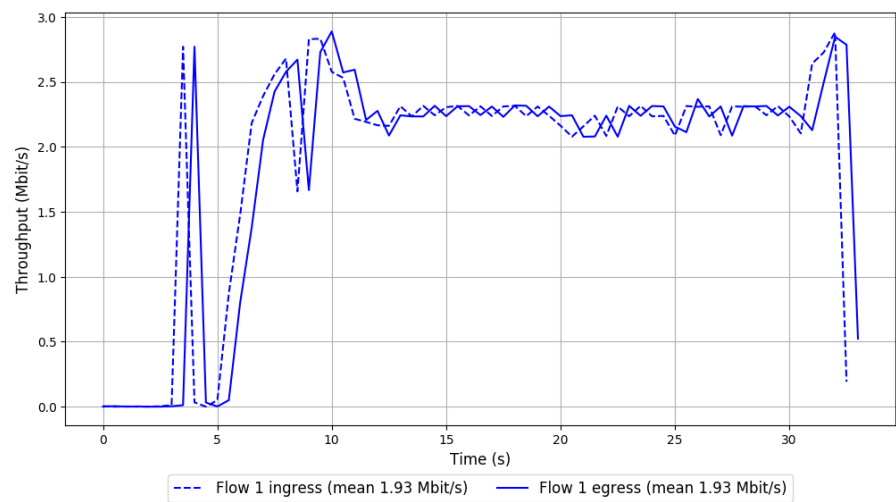
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.856 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-20 08:19:36

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

Local clock offset: -0.023 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-20 10:09:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.743 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.743 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

