

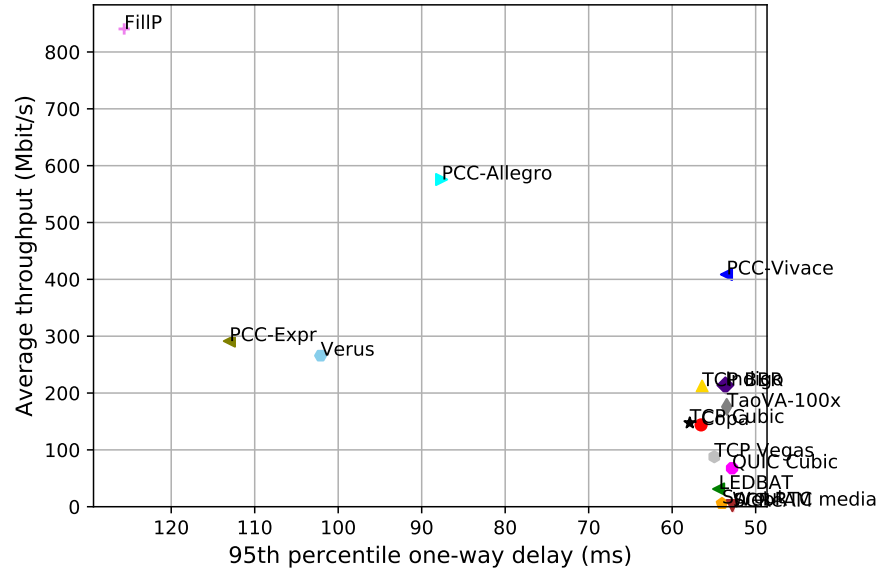
Pantheon Report

Generated at 2018-06-07 05:00:13 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo 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.

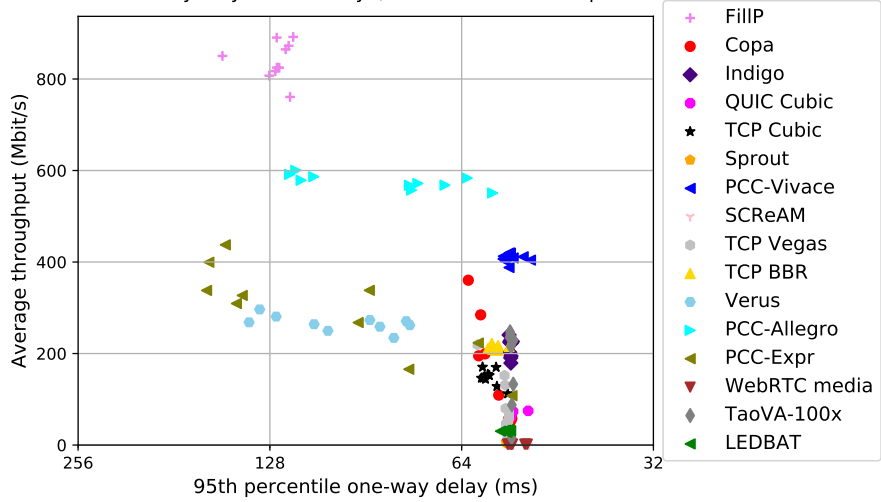
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ 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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	212.17	56.41	0.00
Copa	10	143.93	56.53	0.00
TCP Cubic	10	147.42	57.89	0.00
FillP	10	840.52	125.63	2.63
Indigo	10	213.61	53.63	0.00
LEDBAT	10	31.20	54.44	0.00
PCC-Allegro	10	575.63	87.61	0.25
PCC-Expr	10	291.38	113.03	0.76
QUIC Cubic	5	67.71	52.83	0.00
SCReAM	10	0.21	52.70	0.00
Sprout	10	5.78	54.03	0.00
TaoVA-100x	8	175.79	53.46	0.00
TCP Vegas	10	87.88	54.95	0.00
Verus	10	265.78	102.11	0.02
PCC-Vivace	10	408.57	53.50	0.00
WebRTC media	10	1.97	52.79	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-07 00:14:00

End at: 2018-06-07 00:14:30

Local clock offset: -0.038 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-07 03:38:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.70 Mbit/s

95th percentile per-packet one-way delay: 58.122 ms

Loss rate: 0.00%

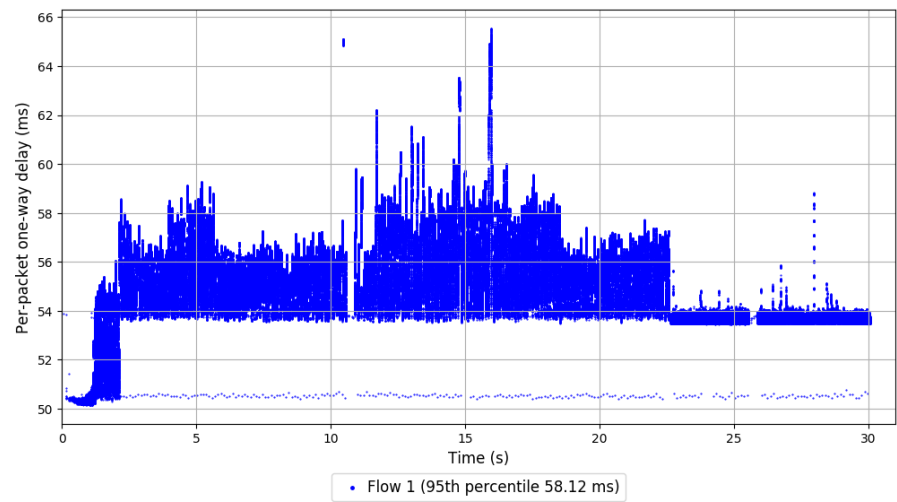
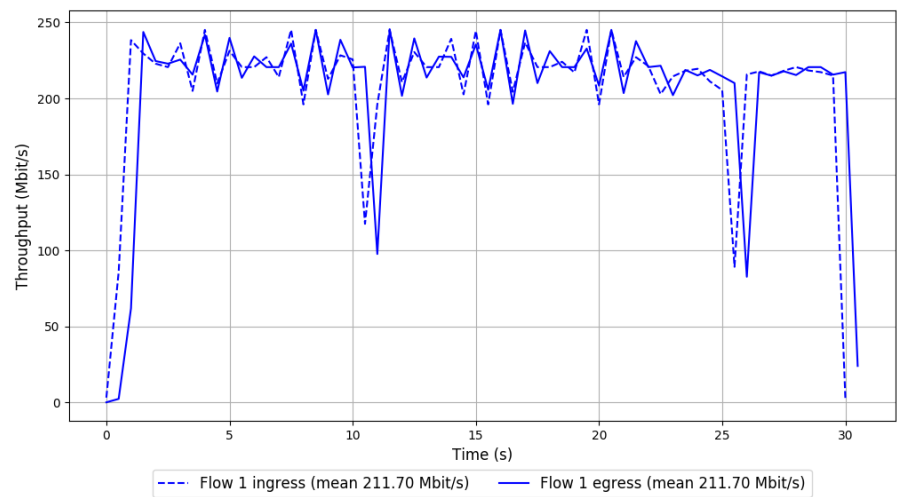
-- Flow 1:

Average throughput: 211.70 Mbit/s

95th percentile per-packet one-way delay: 58.122 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

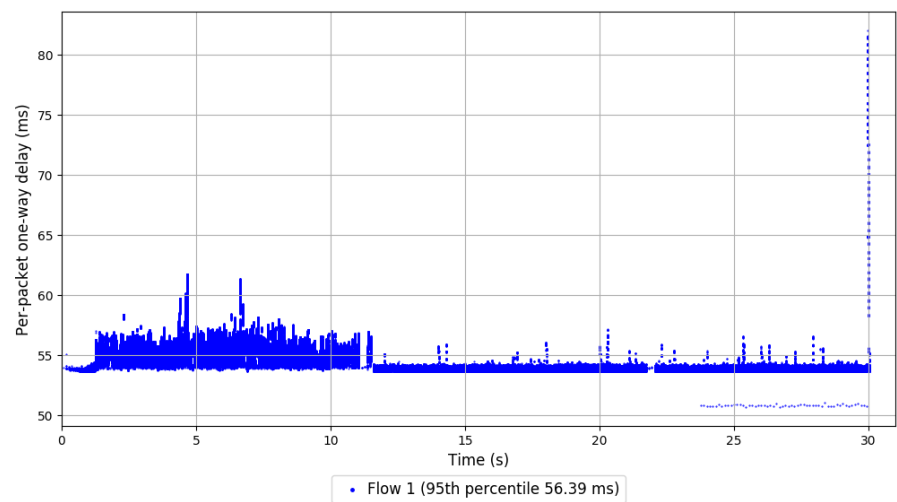
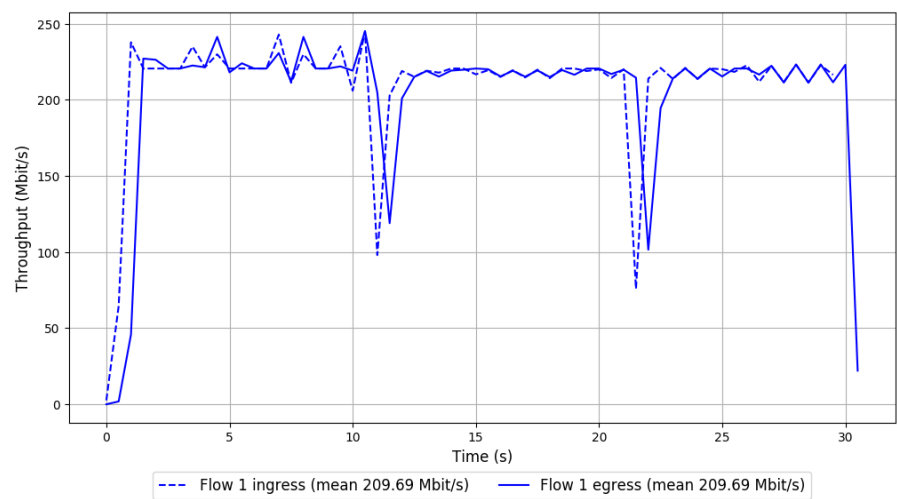


Run 2: Statistics of TCP BBR

Start at: 2018-06-07 00:34:39
End at: 2018-06-07 00:35:09
Local clock offset: -0.244 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-06-07 03:38:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.69 Mbit/s
95th percentile per-packet one-way delay: 56.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.69 Mbit/s
95th percentile per-packet one-way delay: 56.387 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

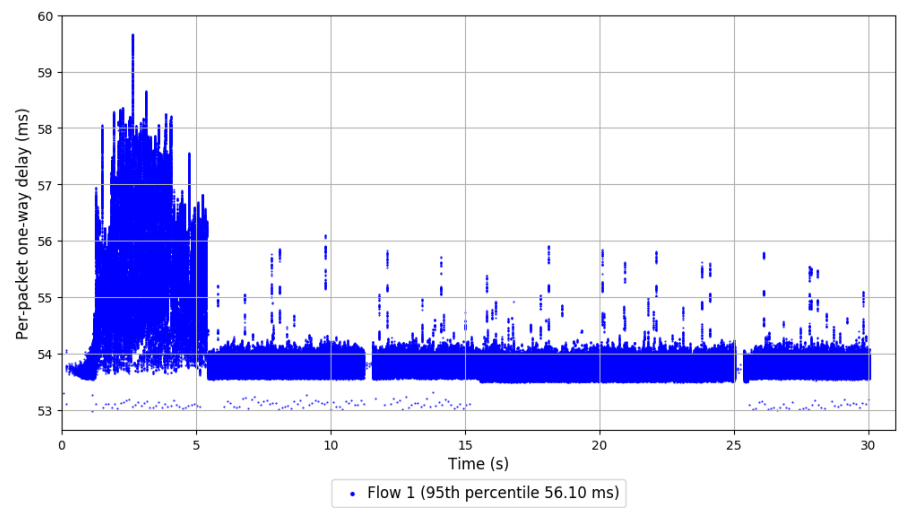
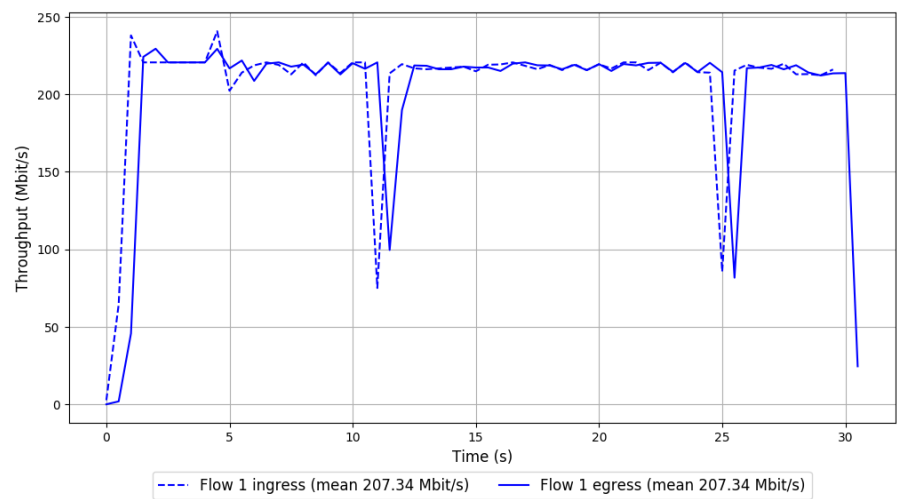


Run 3: Statistics of TCP BBR

Start at: 2018-06-07 00:55:07
End at: 2018-06-07 00:55:37
Local clock offset: -0.097 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-07 03:38:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.34 Mbit/s
95th percentile per-packet one-way delay: 56.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.34 Mbit/s
95th percentile per-packet one-way delay: 56.101 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-07 01:15:35

End at: 2018-06-07 01:16:05

Local clock offset: -0.0 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-06-07 03:38:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.29 Mbit/s

95th percentile per-packet one-way delay: 57.215 ms

Loss rate: 0.00%

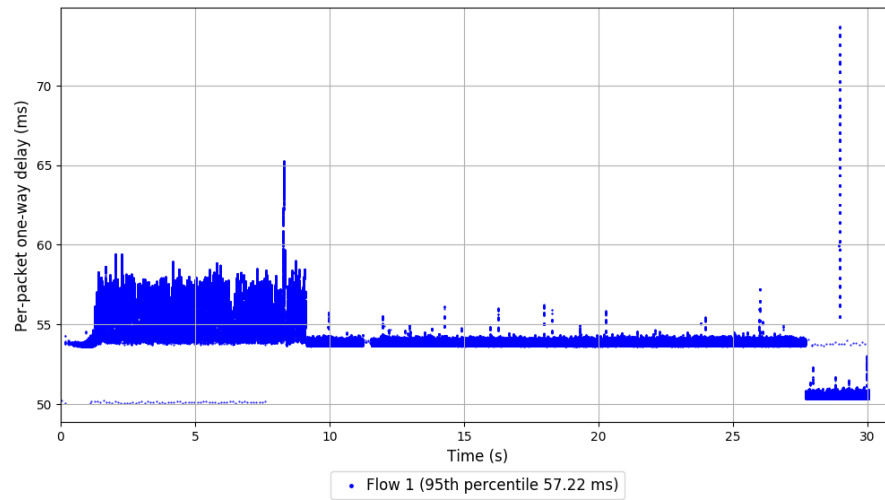
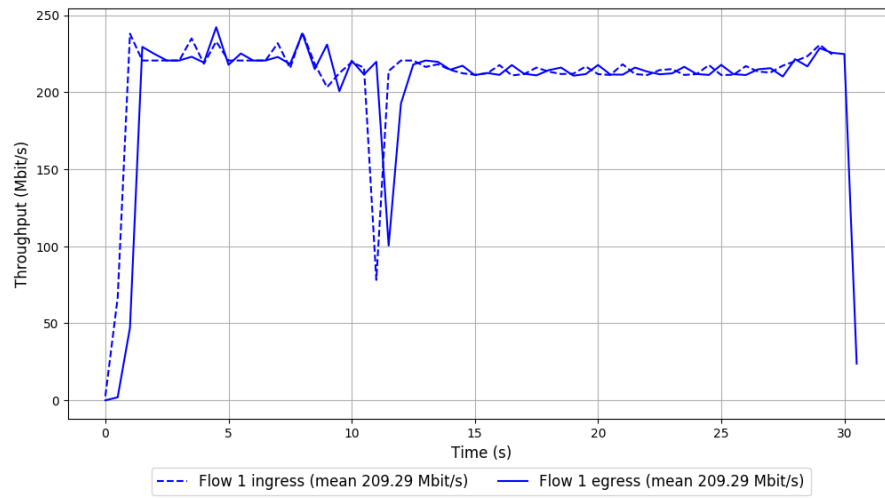
-- Flow 1:

Average throughput: 209.29 Mbit/s

95th percentile per-packet one-way delay: 57.215 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-07 01:36:19

End at: 2018-06-07 01:36:49

Local clock offset: -0.08 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-07 03:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.57 Mbit/s

95th percentile per-packet one-way delay: 56.306 ms

Loss rate: 0.00%

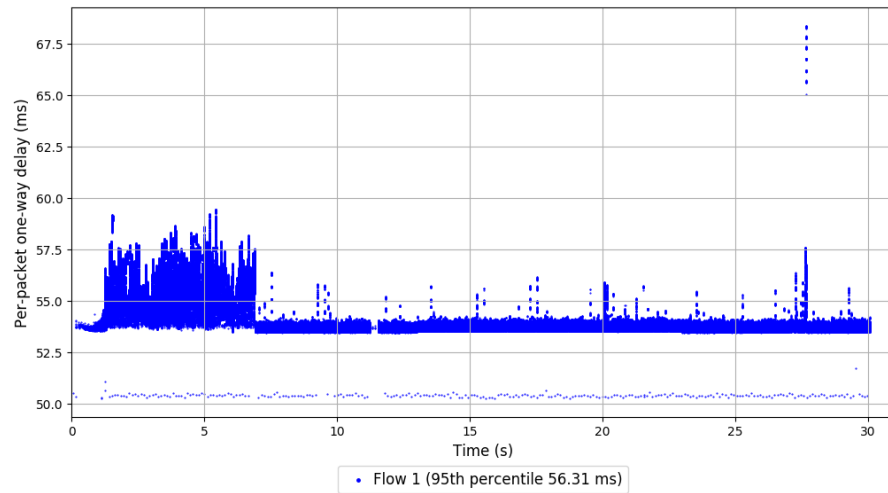
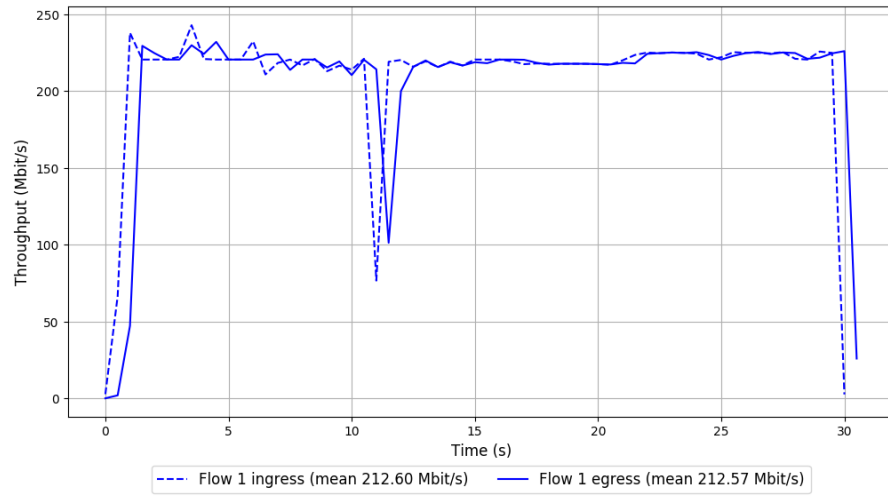
-- Flow 1:

Average throughput: 212.57 Mbit/s

95th percentile per-packet one-way delay: 56.306 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-07 01:57:04

End at: 2018-06-07 01:57:34

Local clock offset: 0.06 ms

Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-07 03:38:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.29 Mbit/s

95th percentile per-packet one-way delay: 56.458 ms

Loss rate: 0.00%

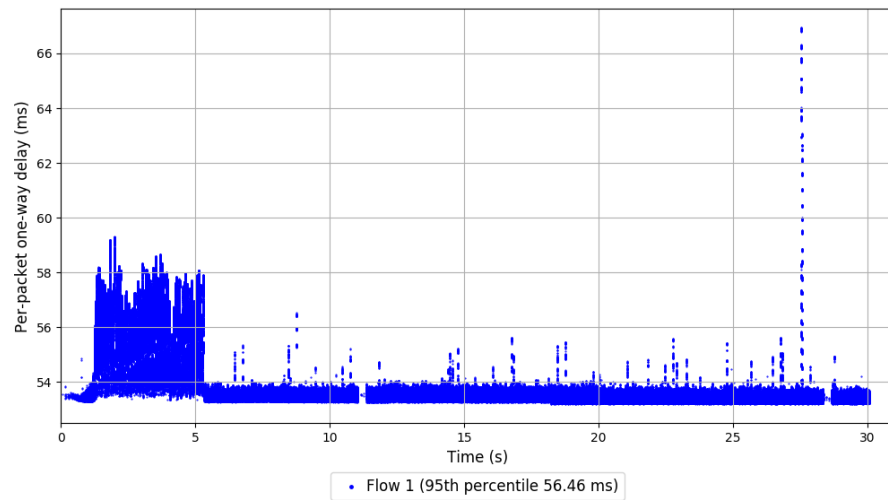
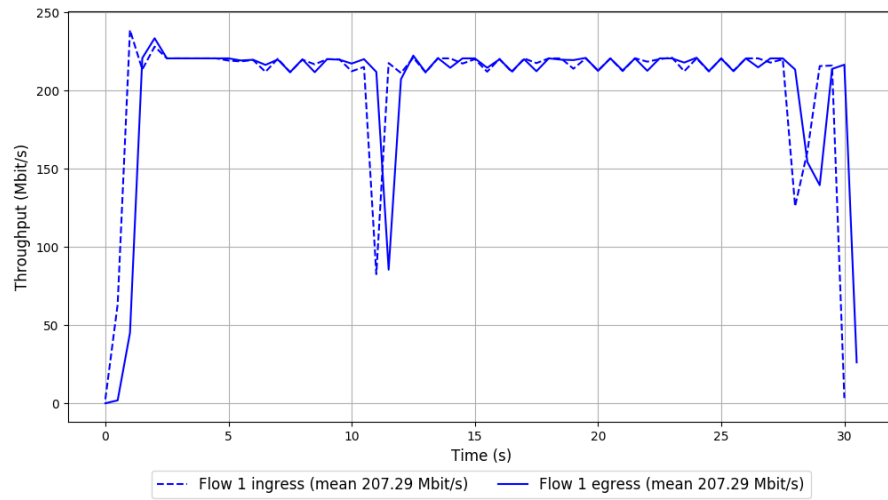
-- Flow 1:

Average throughput: 207.29 Mbit/s

95th percentile per-packet one-way delay: 56.458 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

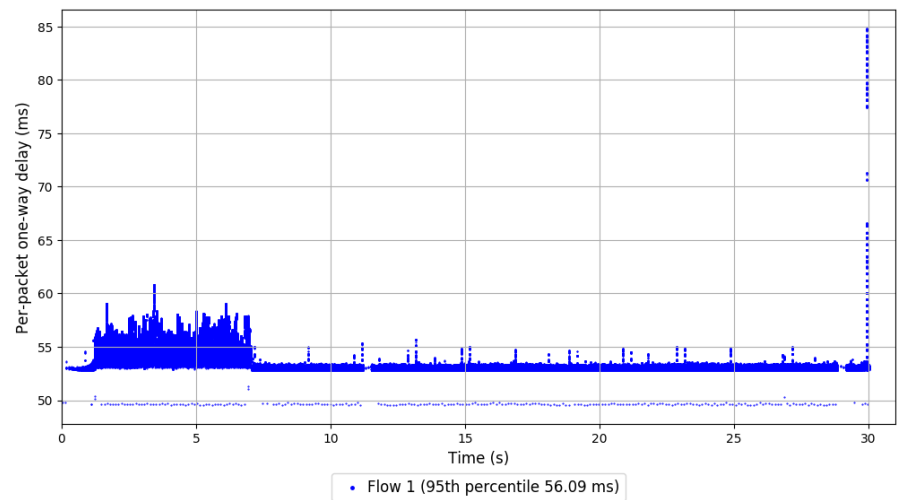
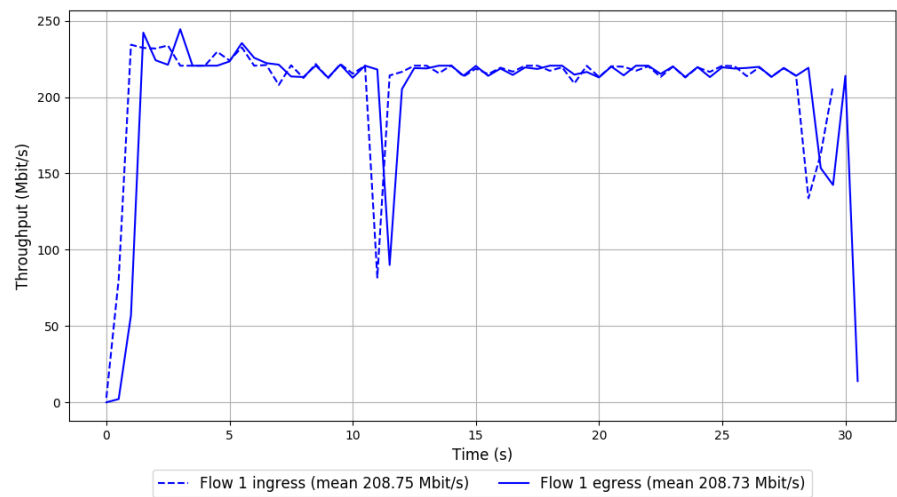


Run 7: Statistics of TCP BBR

Start at: 2018-06-07 02:17:18
End at: 2018-06-07 02:17:48
Local clock offset: -0.118 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-06-07 03:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.73 Mbit/s
95th percentile per-packet one-way delay: 56.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.73 Mbit/s
95th percentile per-packet one-way delay: 56.095 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-07 02:37:46

End at: 2018-06-07 02:38:16

Local clock offset: -0.092 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2018-06-07 03:38:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.50 Mbit/s

95th percentile per-packet one-way delay: 53.920 ms

Loss rate: 0.00%

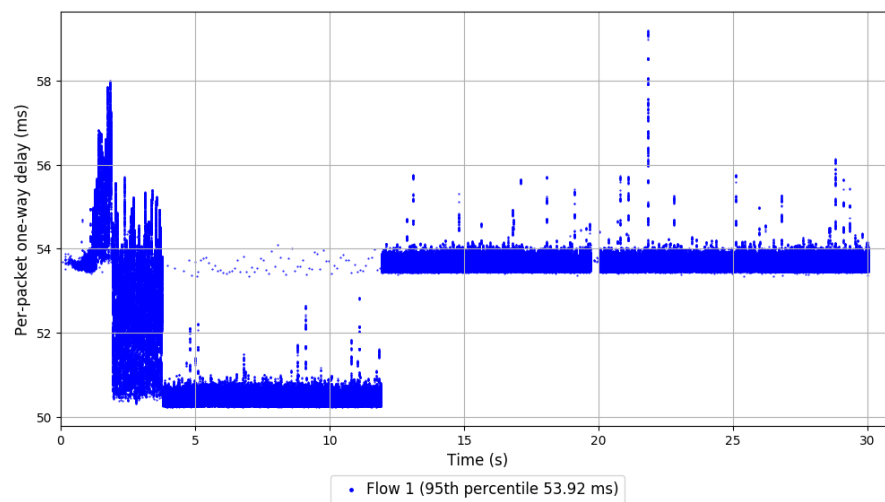
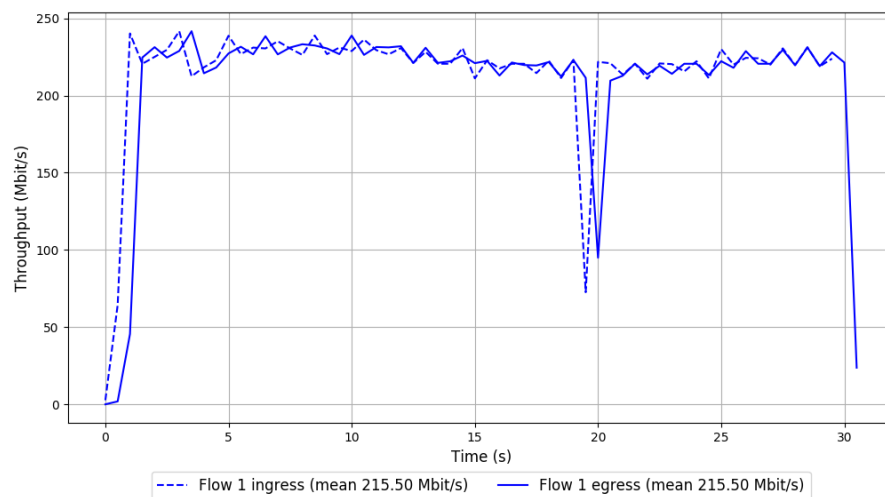
-- Flow 1:

Average throughput: 215.50 Mbit/s

95th percentile per-packet one-way delay: 53.920 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-07 02:58:19

End at: 2018-06-07 02:58:49

Local clock offset: -0.081 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-06-07 03:41:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.22 Mbit/s

95th percentile per-packet one-way delay: 57.387 ms

Loss rate: 0.01%

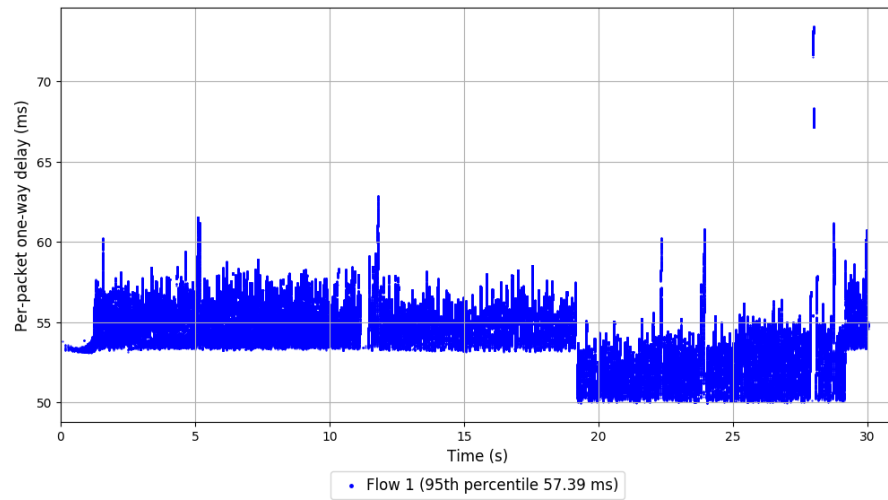
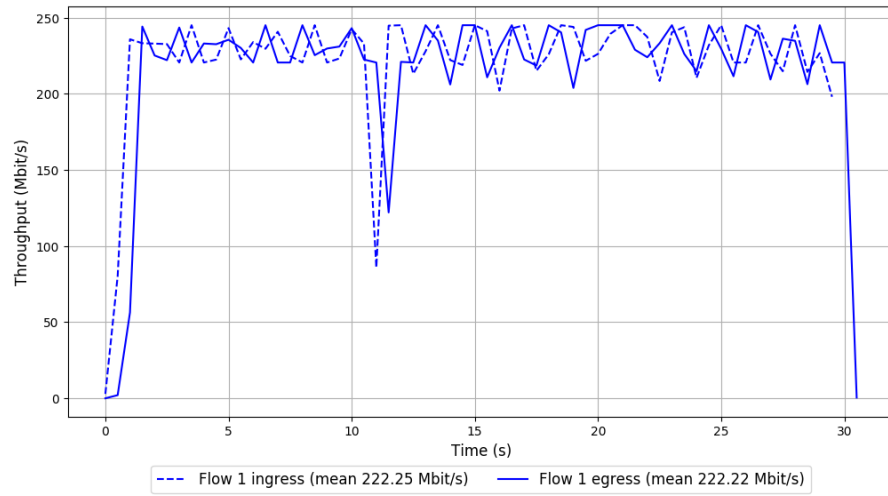
-- Flow 1:

Average throughput: 222.22 Mbit/s

95th percentile per-packet one-way delay: 57.387 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-07 03:18:29

End at: 2018-06-07 03:18:59

Local clock offset: -0.068 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-07 03:41:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.39 Mbit/s

95th percentile per-packet one-way delay: 56.091 ms

Loss rate: 0.00%

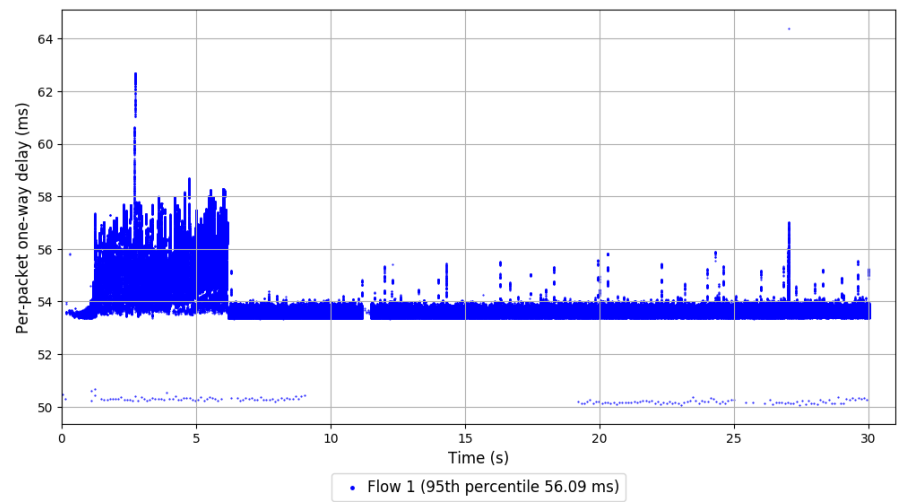
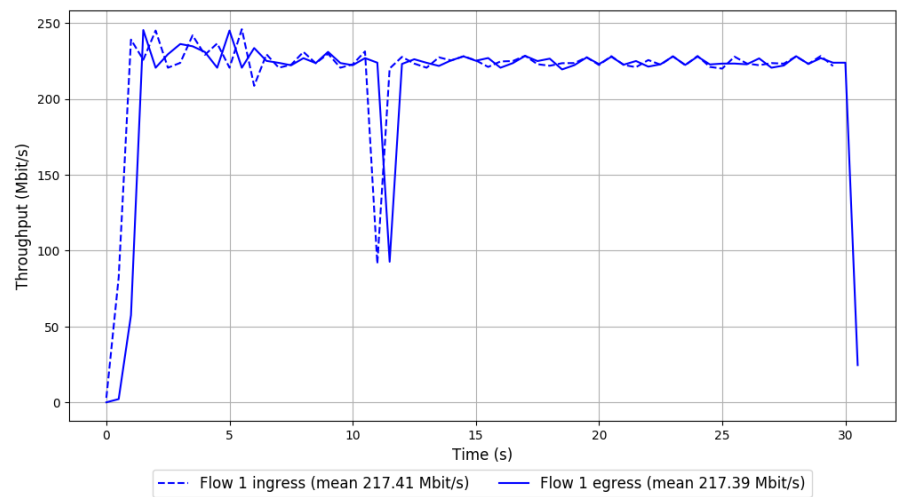
-- Flow 1:

Average throughput: 217.39 Mbit/s

95th percentile per-packet one-way delay: 56.091 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

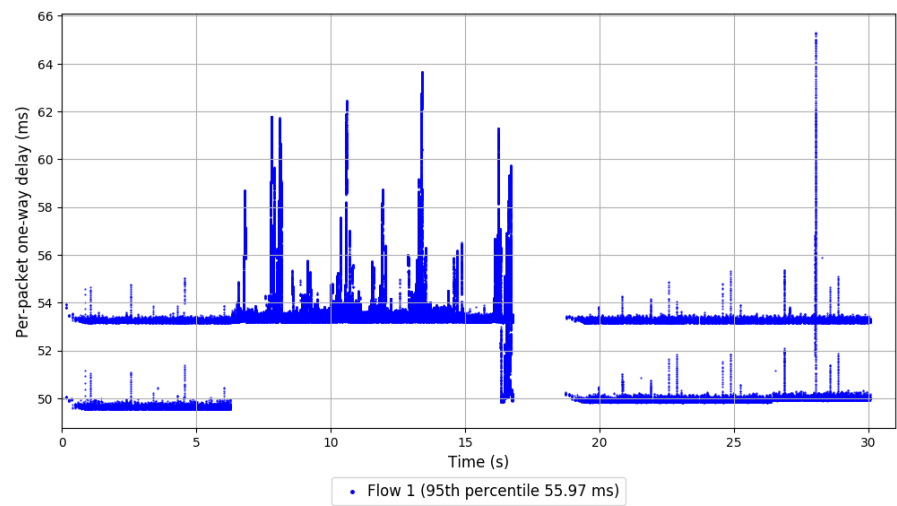
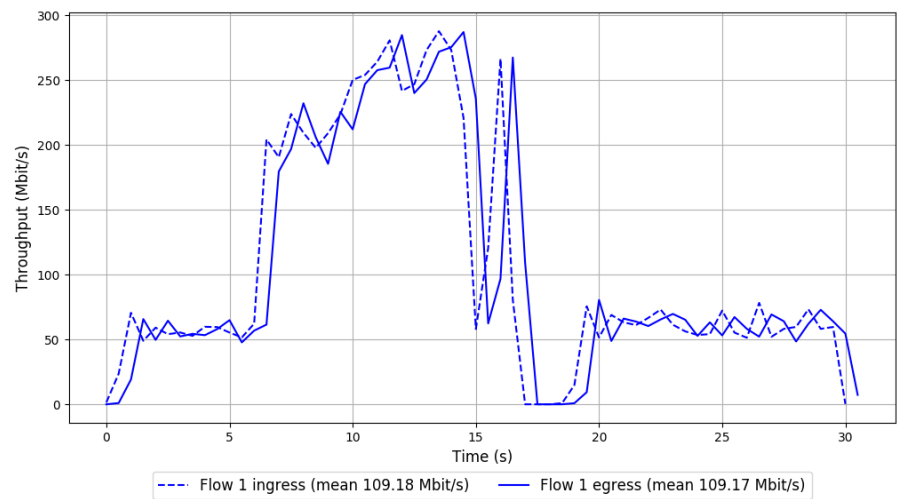


Run 1: Statistics of Copa

Start at: 2018-06-07 00:12:46
End at: 2018-06-07 00:13:16
Local clock offset: 0.038 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-07 03:41:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.17 Mbit/s
95th percentile per-packet one-way delay: 55.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.17 Mbit/s
95th percentile per-packet one-way delay: 55.970 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

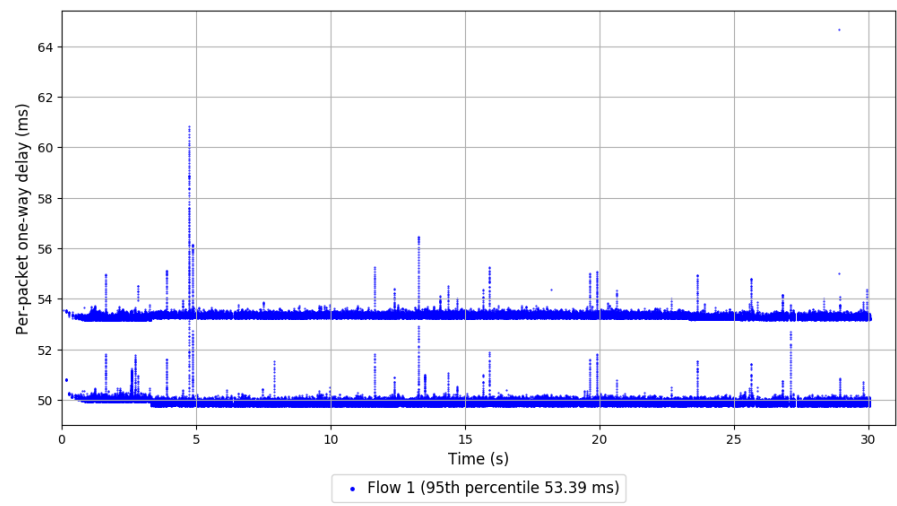
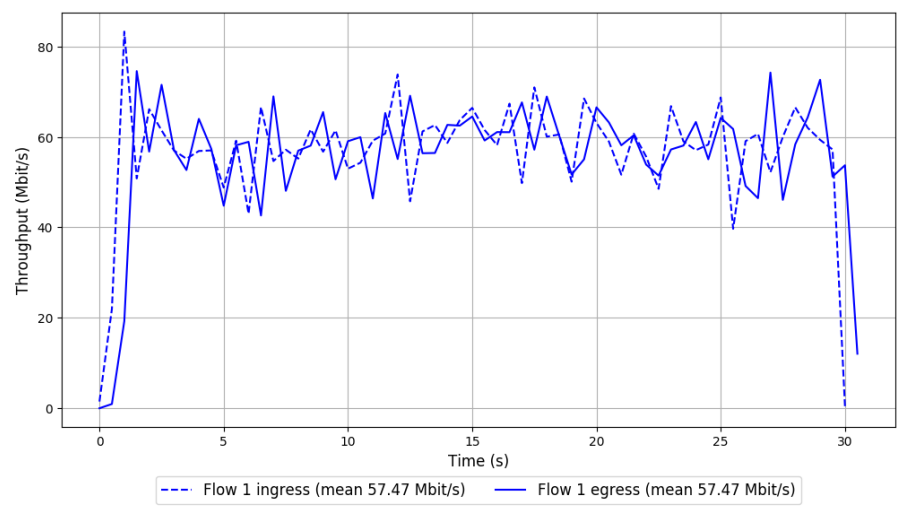


Run 2: Statistics of Copa

Start at: 2018-06-07 00:33:29
End at: 2018-06-07 00:33:59
Local clock offset: 0.103 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-06-07 03:41:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 53.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 53.393 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

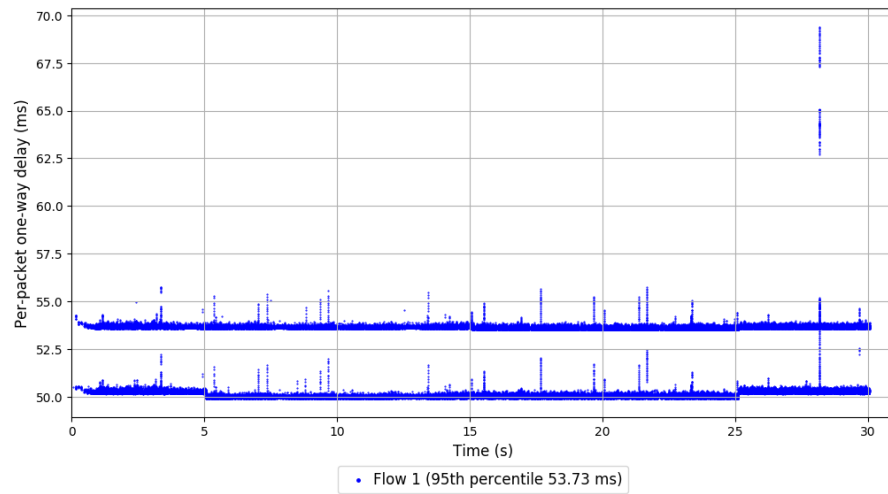
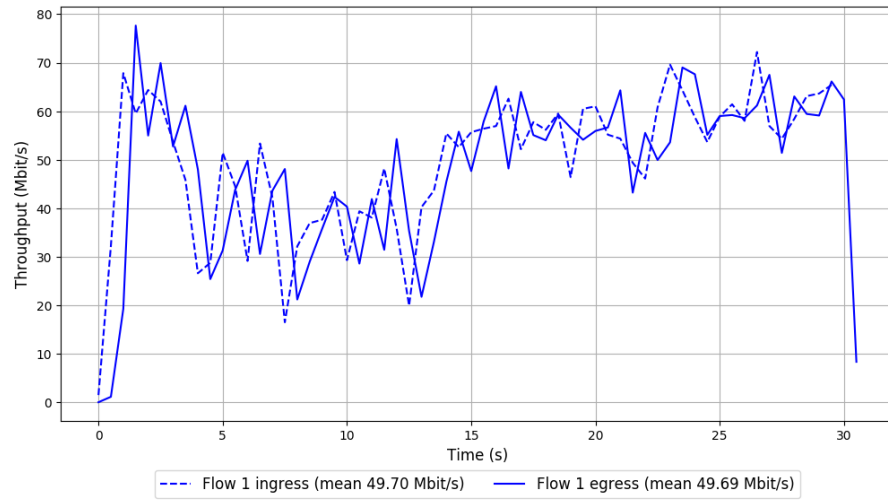


Run 3: Statistics of Copa

Start at: 2018-06-07 00:53:57
End at: 2018-06-07 00:54:27
Local clock offset: -0.177 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-06-07 03:41:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 53.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 53.726 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

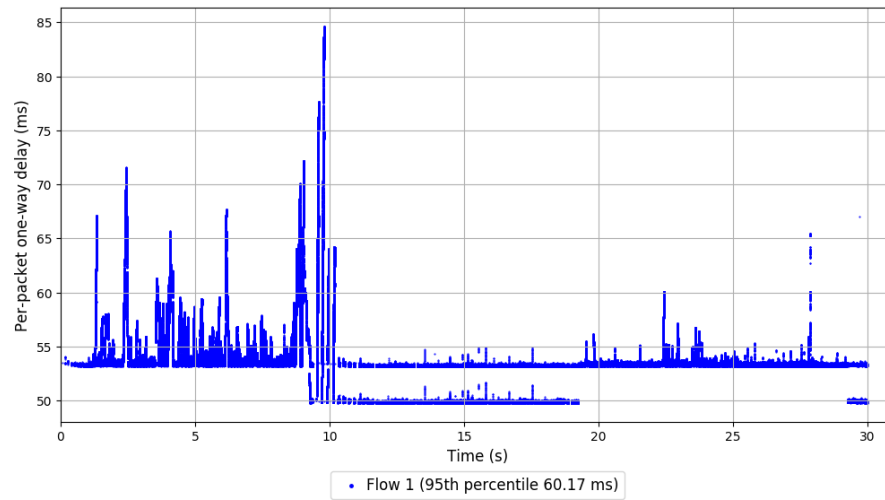
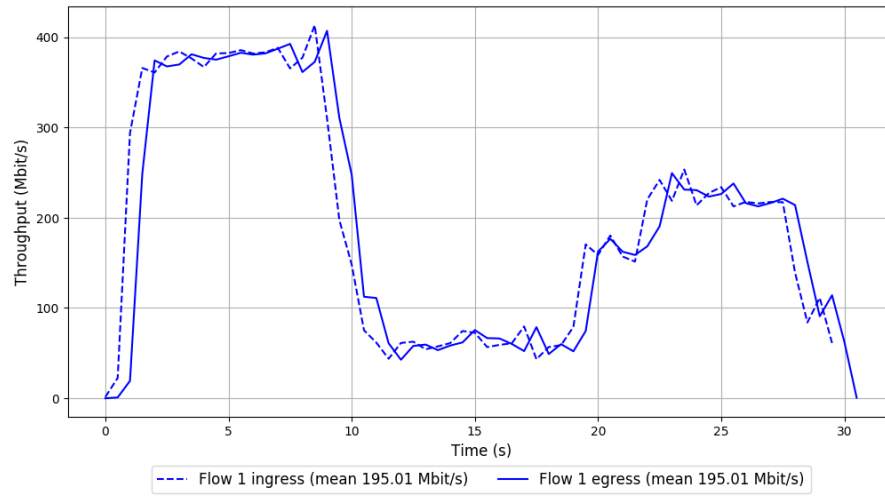


Run 4: Statistics of Copa

Start at: 2018-06-07 01:14:13
End at: 2018-06-07 01:14:43
Local clock offset: 0.14 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-06-07 03:43:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.01 Mbit/s
95th percentile per-packet one-way delay: 60.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.01 Mbit/s
95th percentile per-packet one-way delay: 60.174 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

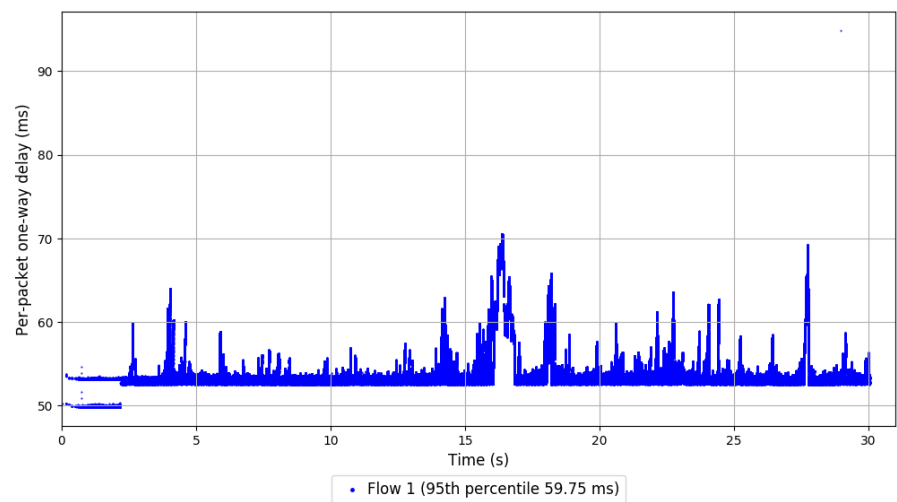
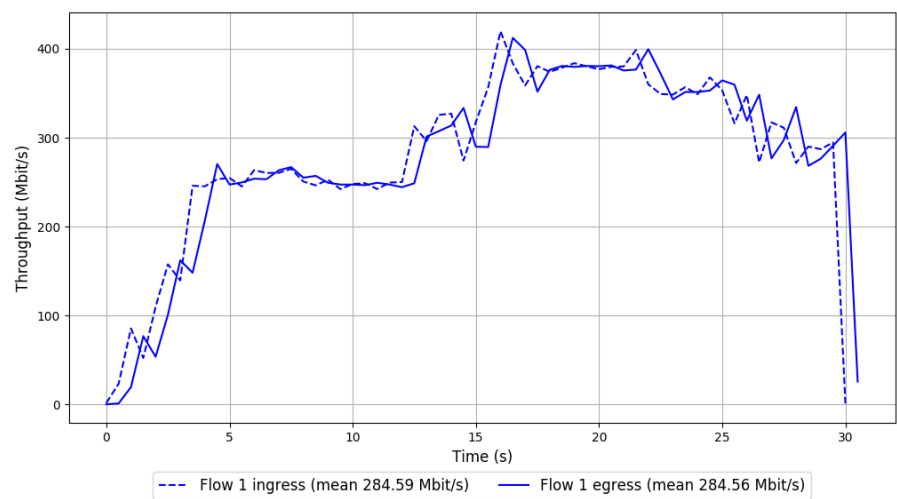


Run 5: Statistics of Copa

Start at: 2018-06-07 01:34:50
End at: 2018-06-07 01:35:20
Local clock offset: 0.165 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-06-07 03:46:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.56 Mbit/s
95th percentile per-packet one-way delay: 59.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 284.56 Mbit/s
95th percentile per-packet one-way delay: 59.746 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-07 01:55:43

End at: 2018-06-07 01:56:13

Local clock offset: 0.132 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-07 03:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.22 Mbit/s

95th percentile per-packet one-way delay: 58.811 ms

Loss rate: 0.00%

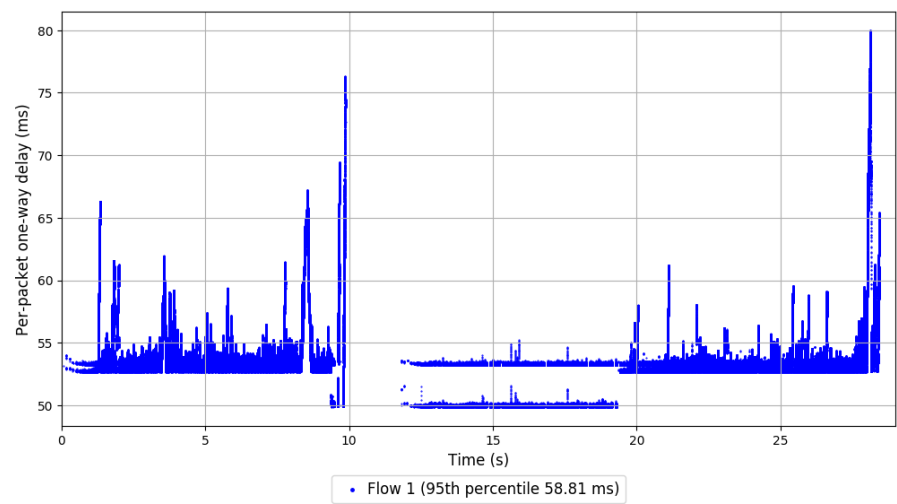
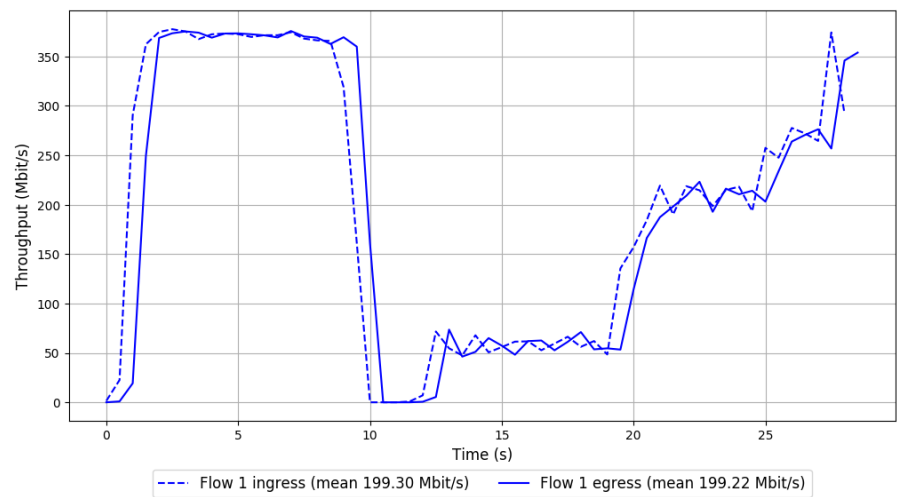
-- Flow 1:

Average throughput: 199.22 Mbit/s

95th percentile per-packet one-way delay: 58.811 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-07 02:16:08

End at: 2018-06-07 02:16:38

Local clock offset: -0.381 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-06-07 03:46:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 53.501 ms

Loss rate: 0.00%

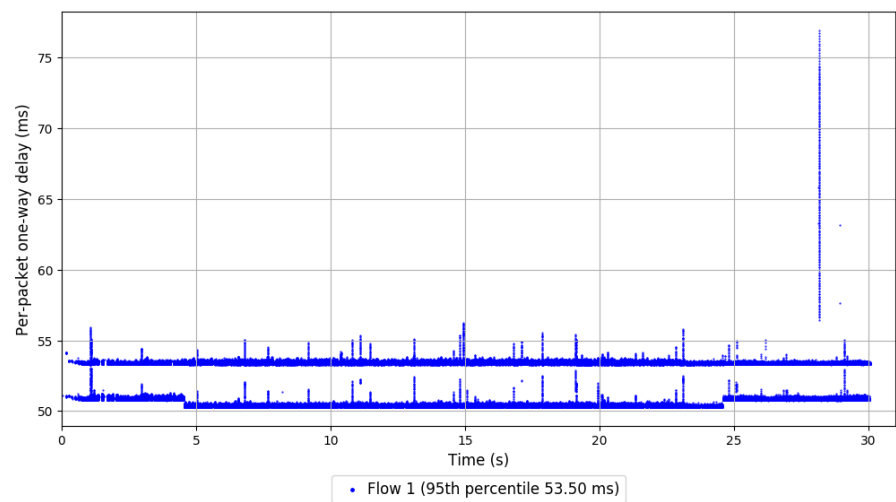
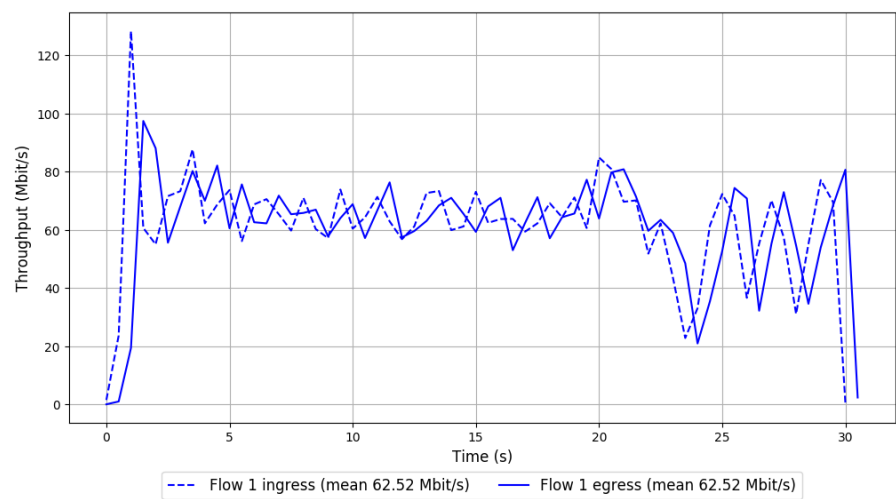
-- Flow 1:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 53.501 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-07 02:36:10

End at: 2018-06-07 02:36:40

Local clock offset: -0.171 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.26 Mbit/s

95th percentile per-packet one-way delay: 62.479 ms

Loss rate: 0.02%

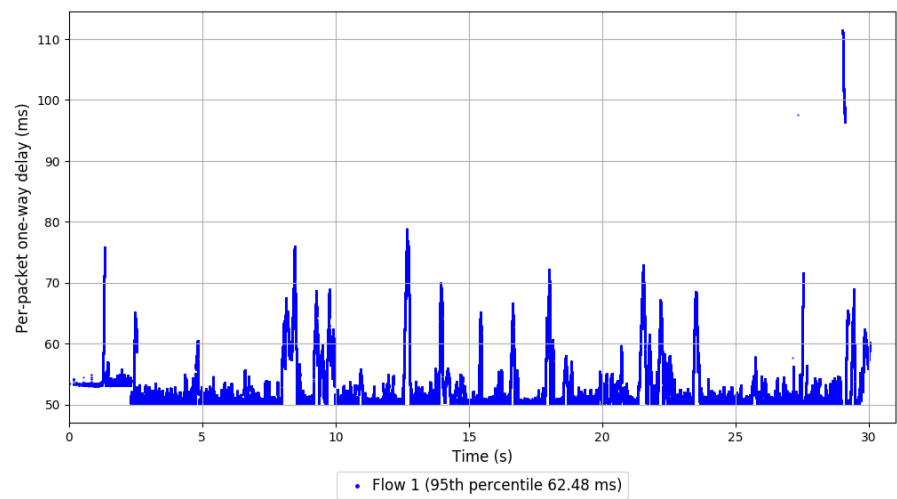
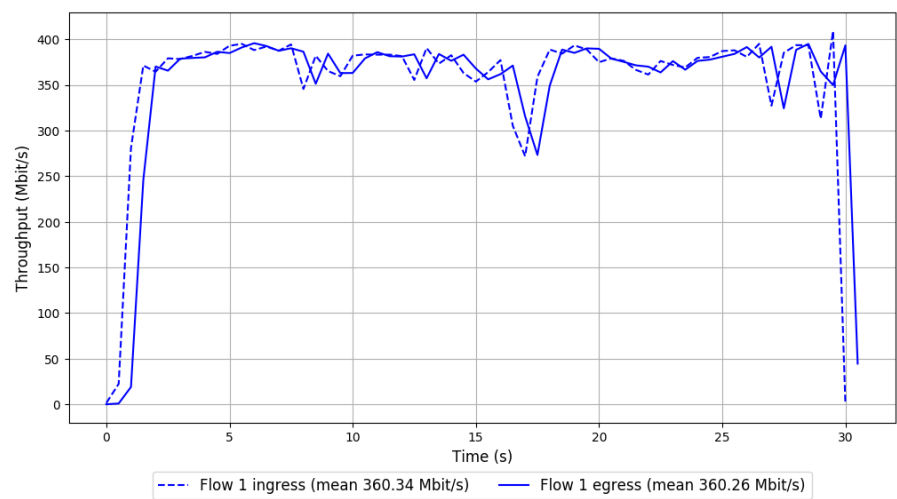
-- Flow 1:

Average throughput: 360.26 Mbit/s

95th percentile per-packet one-way delay: 62.479 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-07 02:57:09

End at: 2018-06-07 02:57:39

Local clock offset: -0.06 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.64 Mbit/s

95th percentile per-packet one-way delay: 53.528 ms

Loss rate: 0.00%

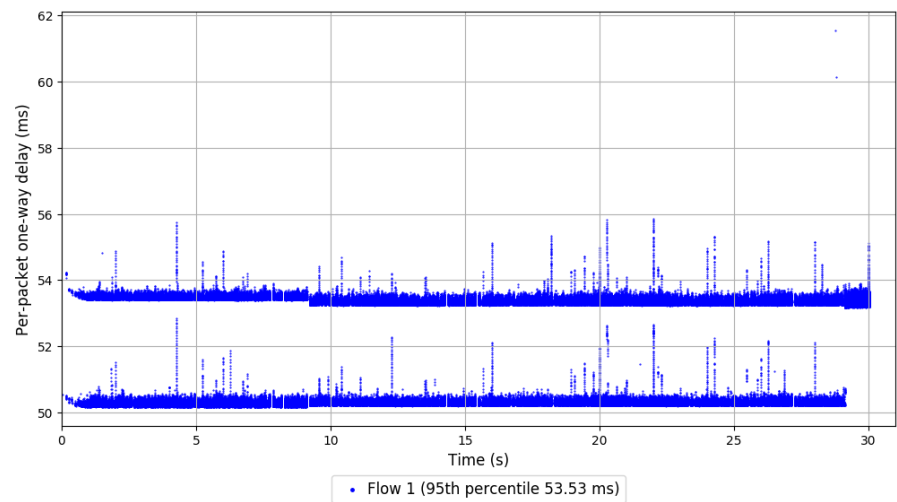
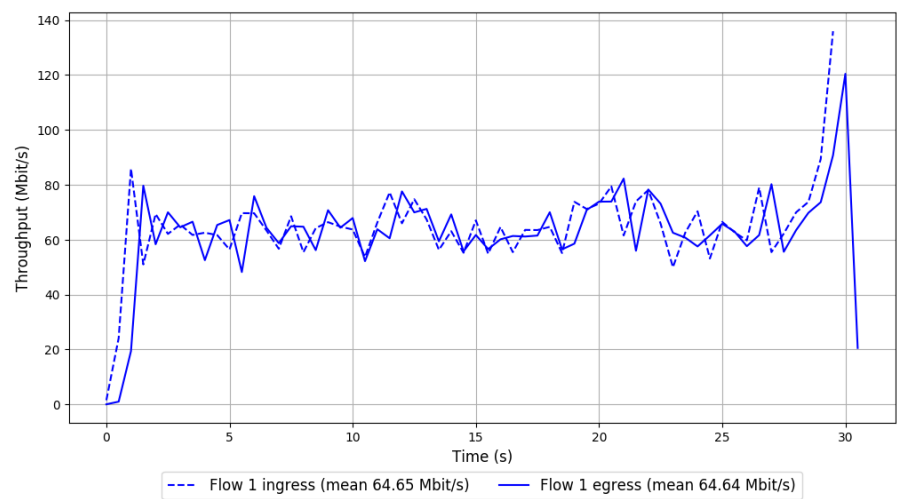
-- Flow 1:

Average throughput: 64.64 Mbit/s

95th percentile per-packet one-way delay: 53.528 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-07 03:17:19

End at: 2018-06-07 03:17:49

Local clock offset: -0.198 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.71 Mbit/s

95th percentile per-packet one-way delay: 54.013 ms

Loss rate: 0.00%

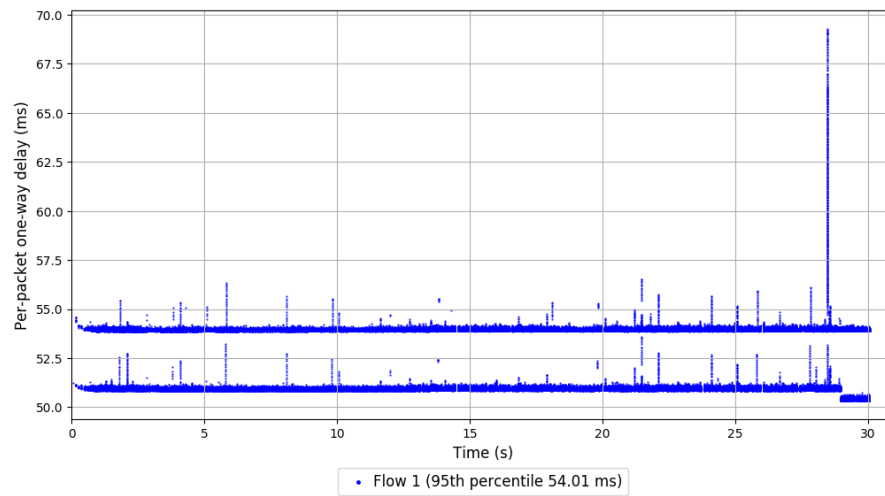
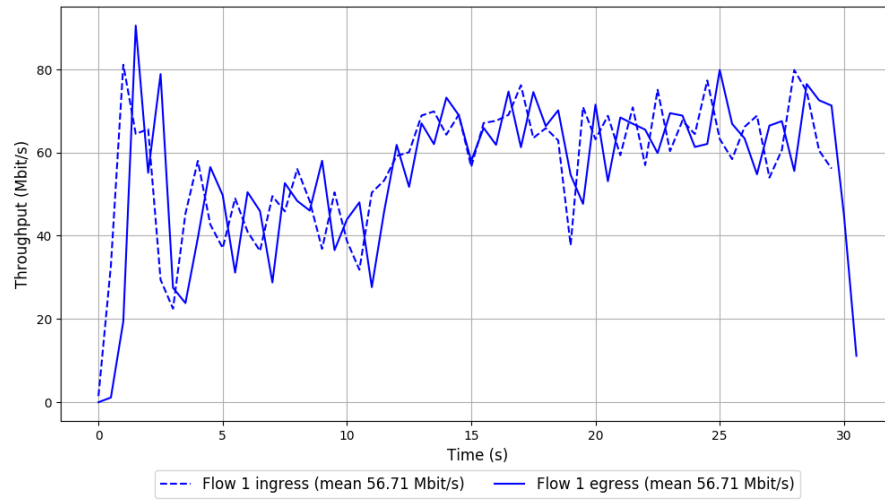
-- Flow 1:

Average throughput: 56.71 Mbit/s

95th percentile per-packet one-way delay: 54.013 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-07 00:17:59

End at: 2018-06-07 00:18:29

Local clock offset: -0.089 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.52 Mbit/s

95th percentile per-packet one-way delay: 59.344 ms

Loss rate: 0.00%

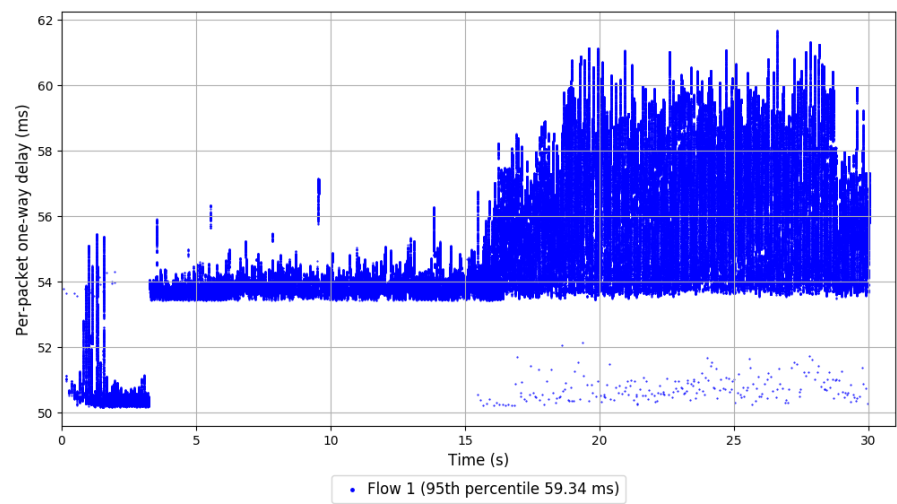
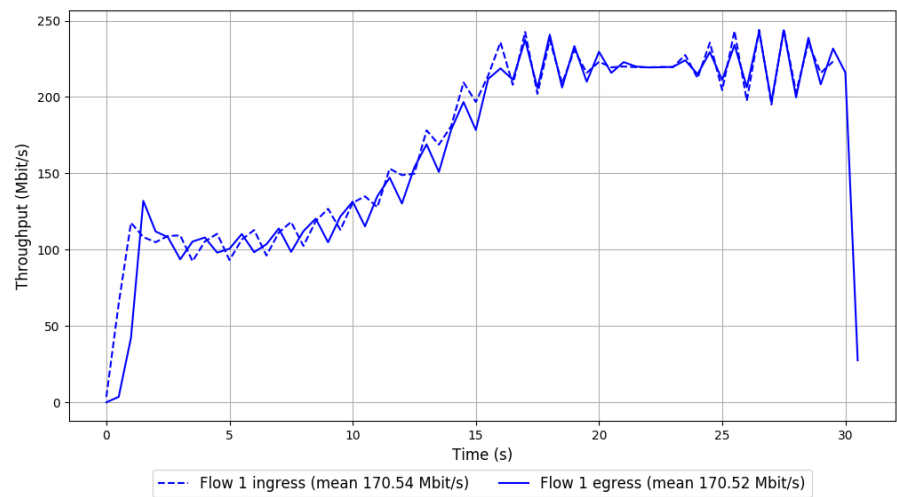
-- Flow 1:

Average throughput: 170.52 Mbit/s

95th percentile per-packet one-way delay: 59.344 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-07 00:38:37

End at: 2018-06-07 00:39:07

Local clock offset: -0.154 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.35 Mbit/s

95th percentile per-packet one-way delay: 59.592 ms

Loss rate: 0.01%

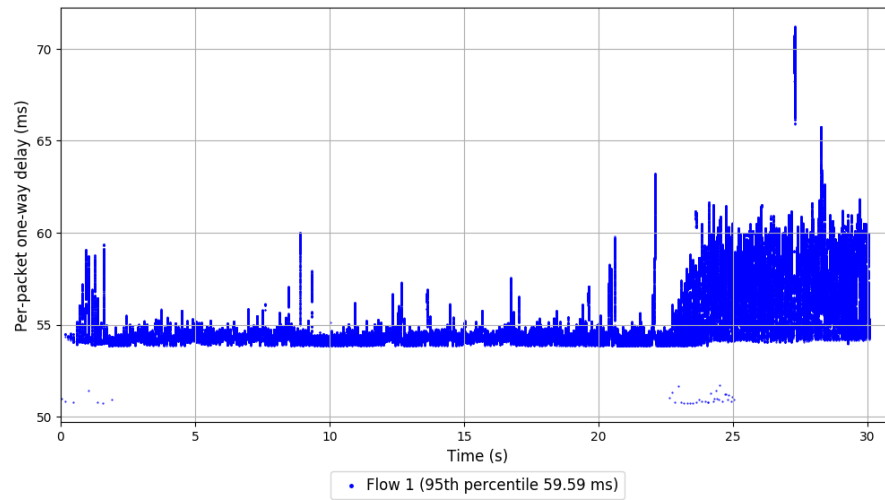
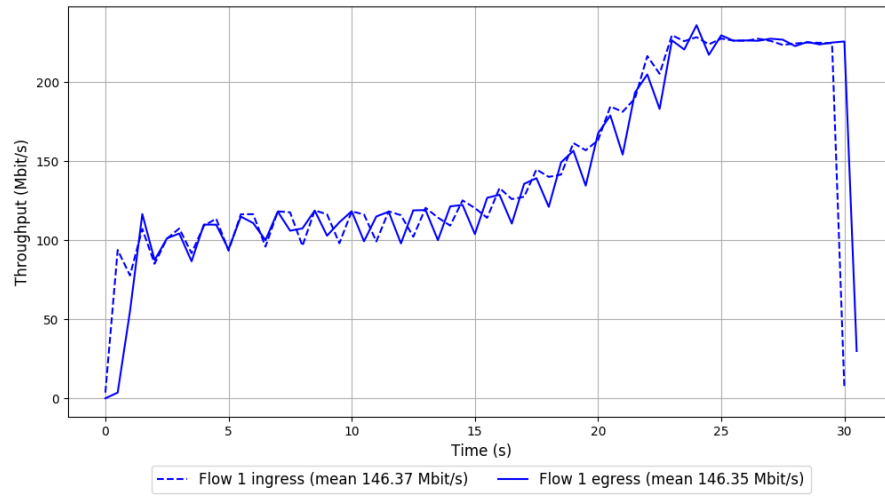
-- Flow 1:

Average throughput: 146.35 Mbit/s

95th percentile per-packet one-way delay: 59.592 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

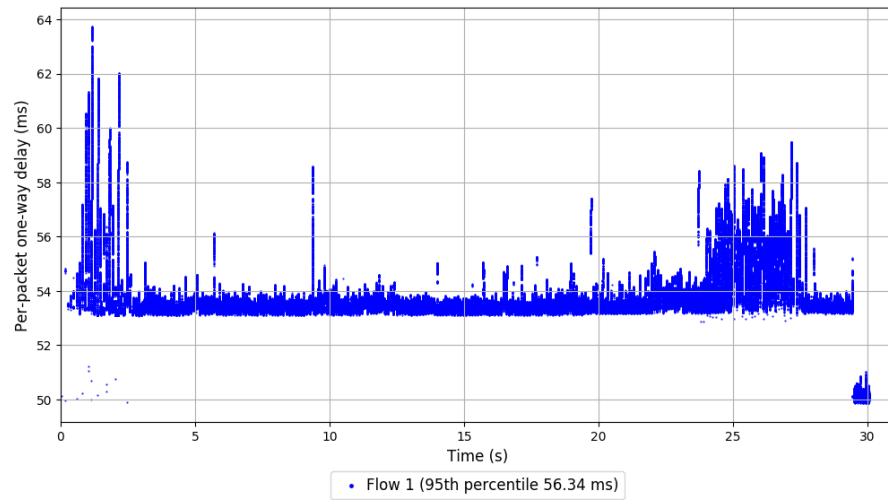
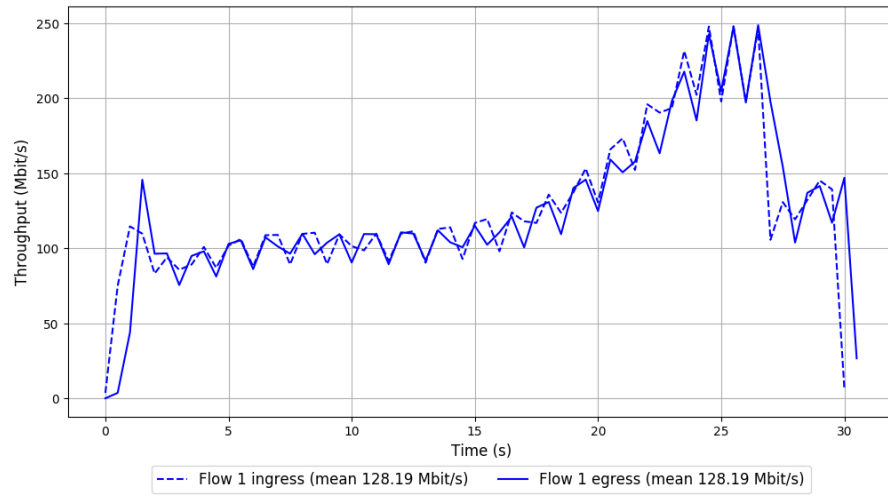


Run 3: Statistics of TCP Cubic

Start at: 2018-06-07 00:59:03
End at: 2018-06-07 00:59:33
Local clock offset: 0.099 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-06-07 03:50:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.19 Mbit/s
95th percentile per-packet one-way delay: 56.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.19 Mbit/s
95th percentile per-packet one-way delay: 56.343 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-07 01:19:33

End at: 2018-06-07 01:20:03

Local clock offset: -0.154 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.06 Mbit/s

95th percentile per-packet one-way delay: 57.910 ms

Loss rate: 0.00%

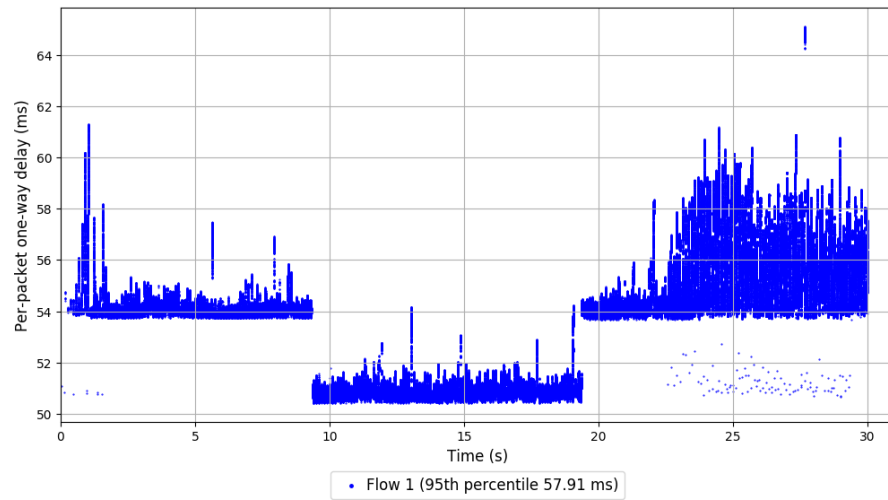
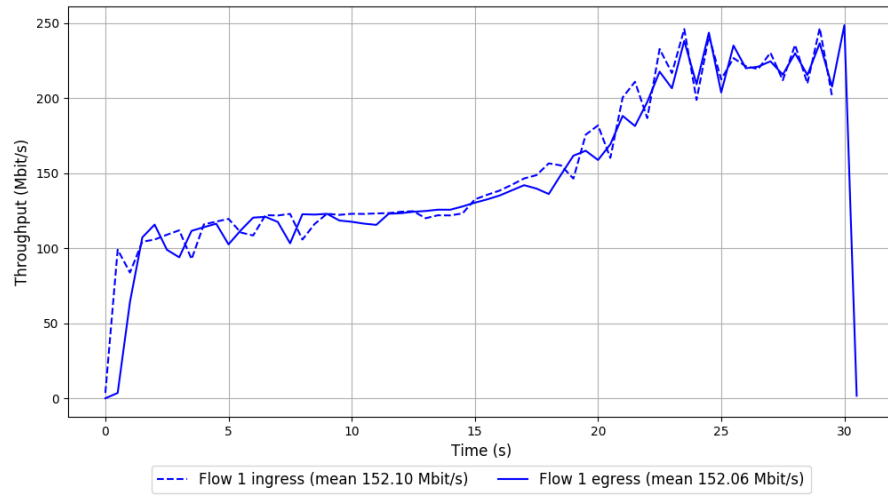
-- Flow 1:

Average throughput: 152.06 Mbit/s

95th percentile per-packet one-way delay: 57.910 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

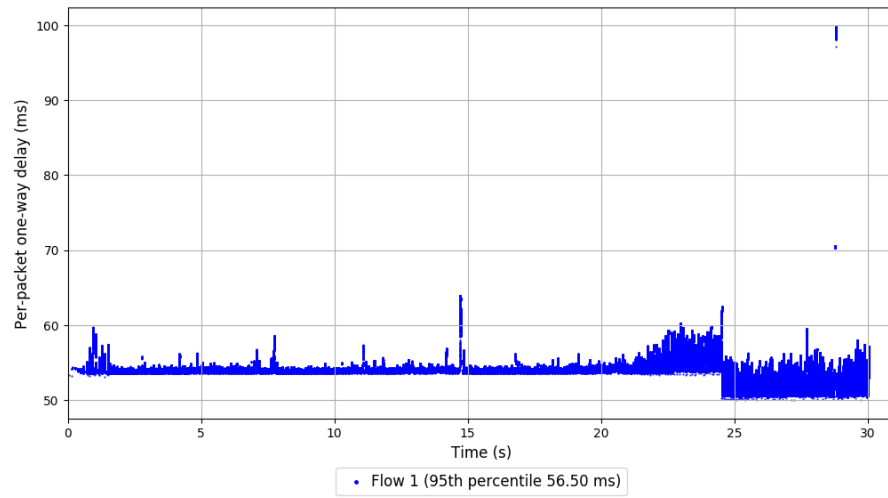
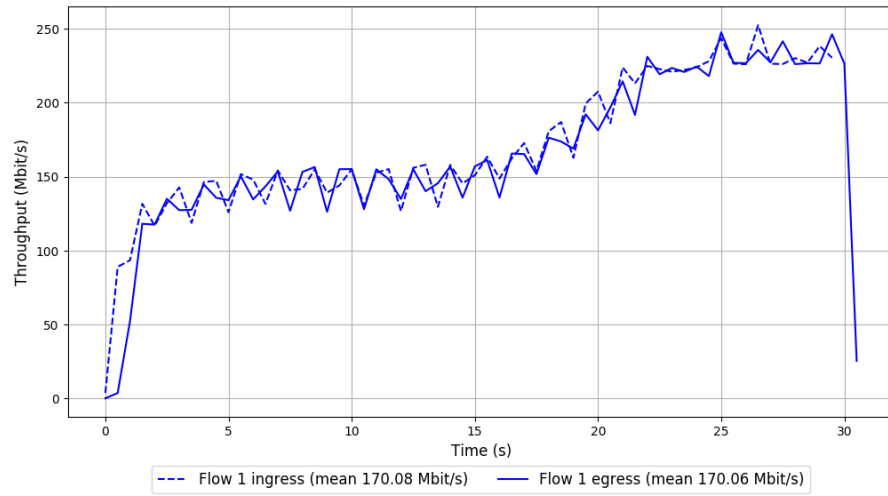


Run 5: Statistics of TCP Cubic

Start at: 2018-06-07 01:40:18
End at: 2018-06-07 01:40:48
Local clock offset: -0.244 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-06-07 03:50:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.06 Mbit/s
95th percentile per-packet one-way delay: 56.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.06 Mbit/s
95th percentile per-packet one-way delay: 56.504 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

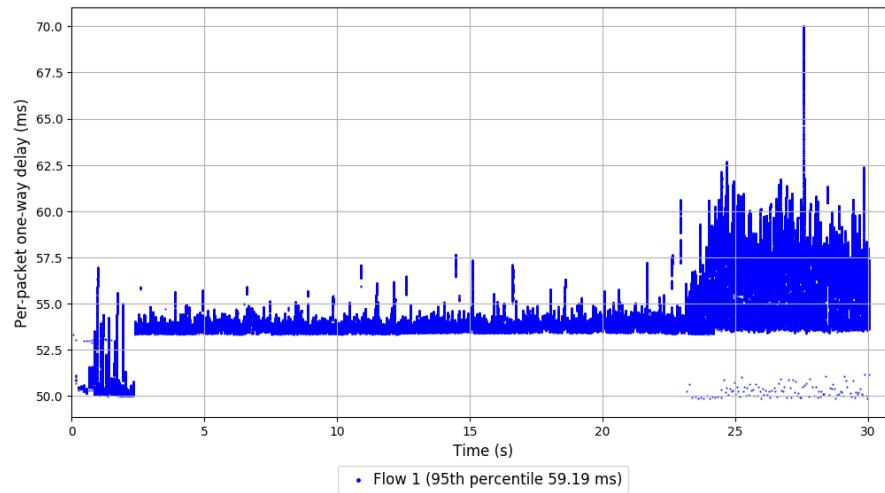
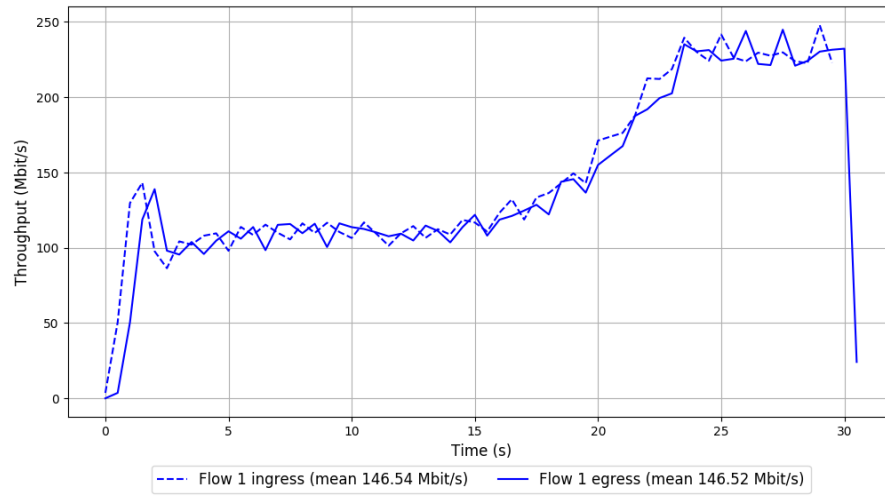


Run 6: Statistics of TCP Cubic

Start at: 2018-06-07 02:01:00
End at: 2018-06-07 02:01:30
Local clock offset: -0.097 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-07 03:50:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.52 Mbit/s
95th percentile per-packet one-way delay: 59.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.52 Mbit/s
95th percentile per-packet one-way delay: 59.186 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-07 02:21:17

End at: 2018-06-07 02:21:47

Local clock offset: -0.245 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.52 Mbit/s

95th percentile per-packet one-way delay: 58.219 ms

Loss rate: 0.00%

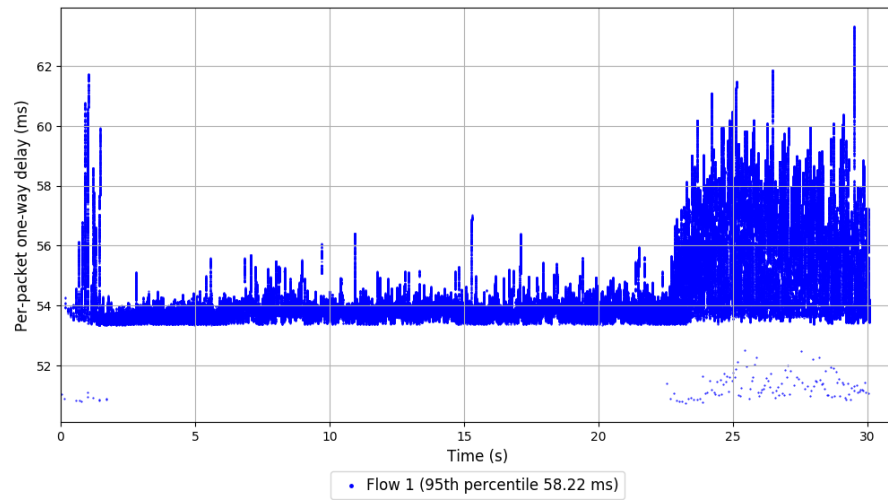
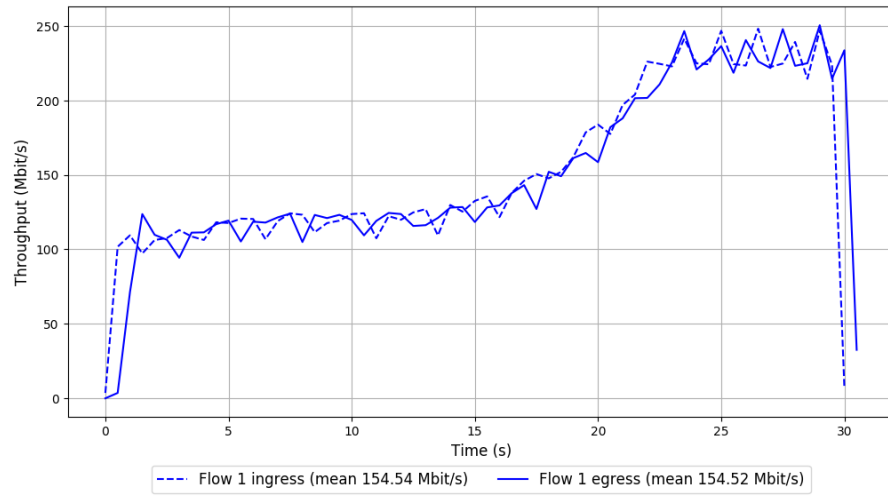
-- Flow 1:

Average throughput: 154.52 Mbit/s

95th percentile per-packet one-way delay: 58.219 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-07 02:41:47

End at: 2018-06-07 02:42:17

Local clock offset: 0.2 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.28 Mbit/s

95th percentile per-packet one-way delay: 54.185 ms

Loss rate: 0.00%

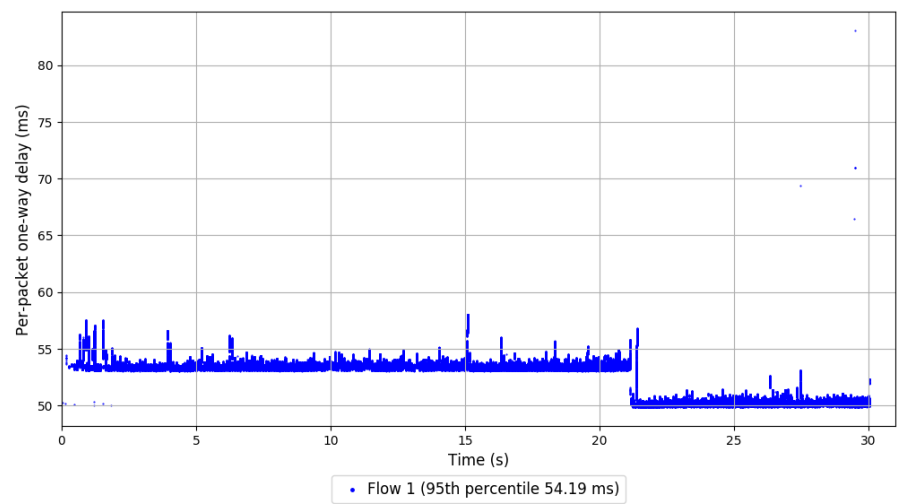
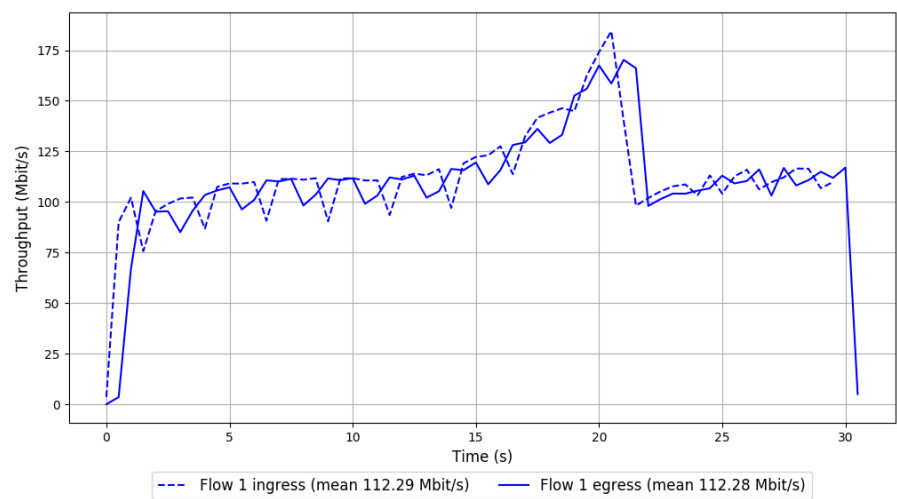
-- Flow 1:

Average throughput: 112.28 Mbit/s

95th percentile per-packet one-way delay: 54.185 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-07 03:02:18

End at: 2018-06-07 03:02:49

Local clock offset: 0.072 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.59 Mbit/s

95th percentile per-packet one-way delay: 58.951 ms

Loss rate: 0.00%

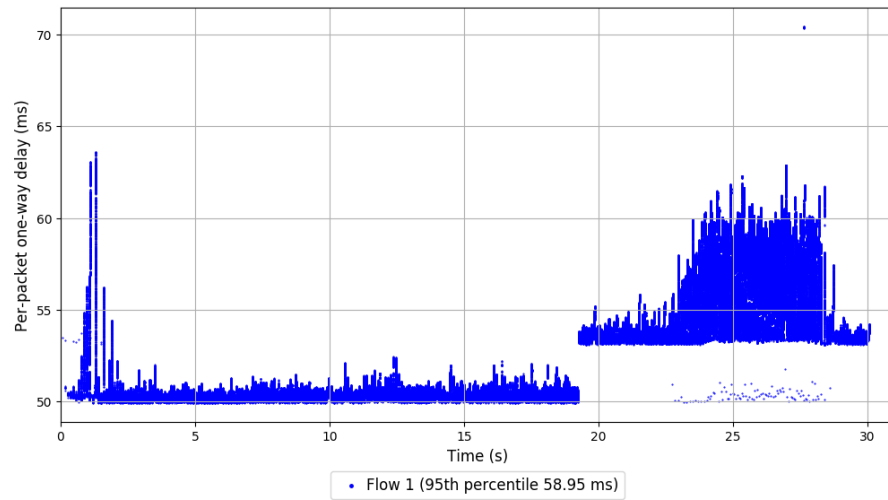
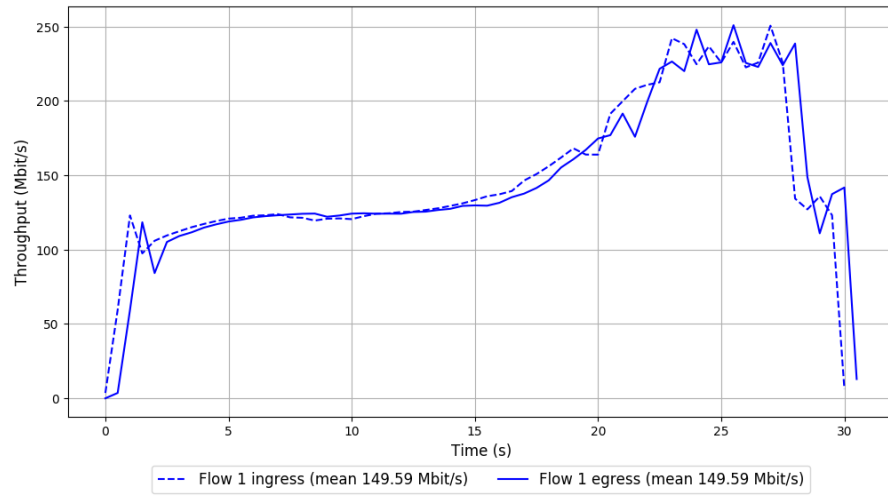
-- Flow 1:

Average throughput: 149.59 Mbit/s

95th percentile per-packet one-way delay: 58.951 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-07 03:22:27

End at: 2018-06-07 03:22:57

Local clock offset: -0.02 ms

Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-06-07 03:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.10 Mbit/s

95th percentile per-packet one-way delay: 58.707 ms

Loss rate: 0.00%

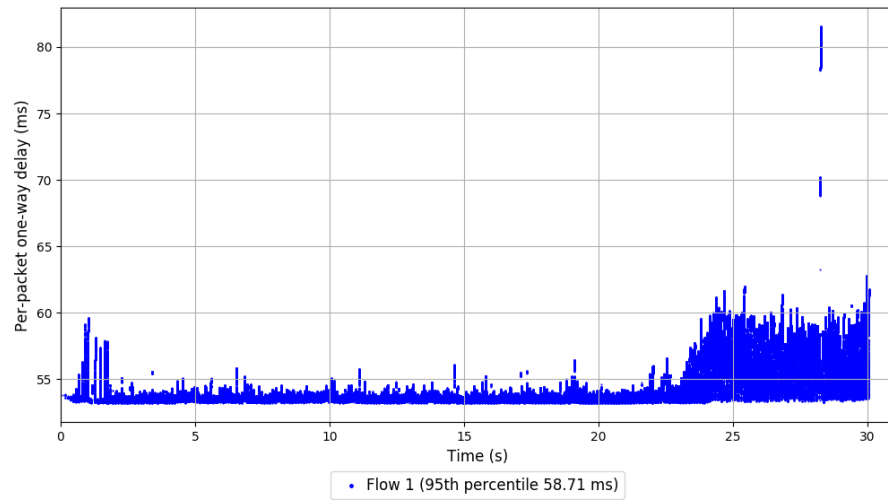
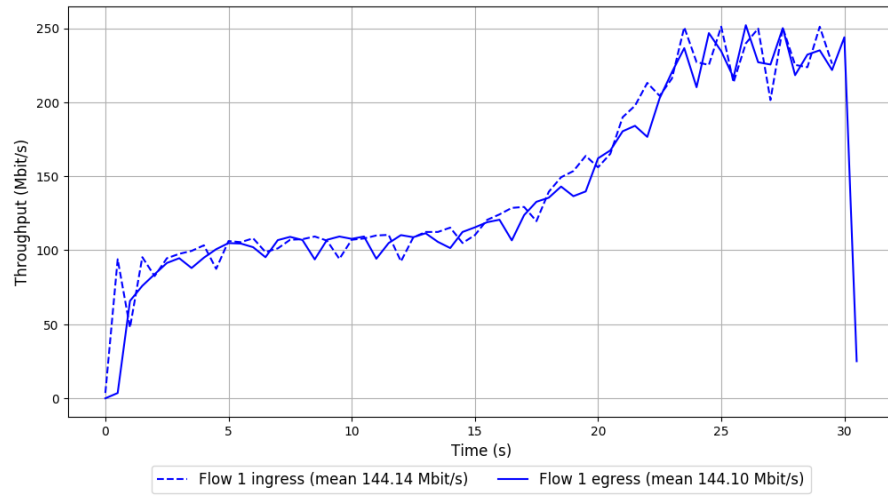
-- Flow 1:

Average throughput: 144.10 Mbit/s

95th percentile per-packet one-way delay: 58.707 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

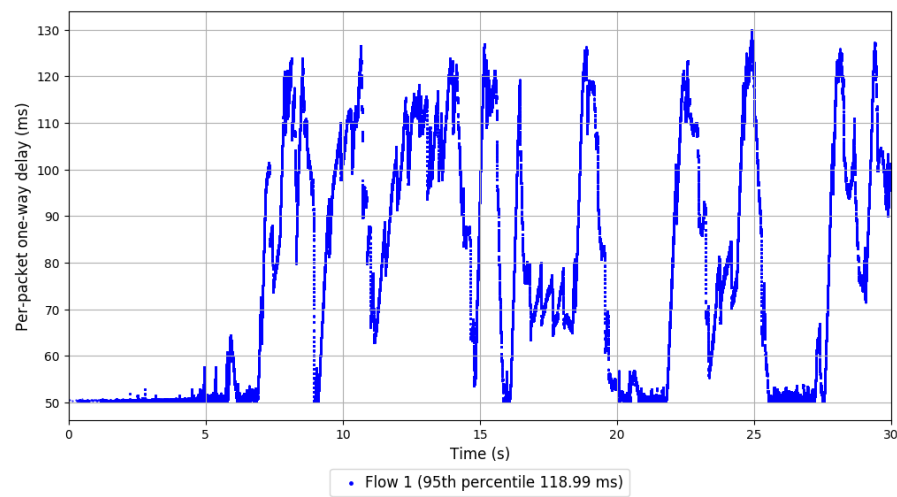
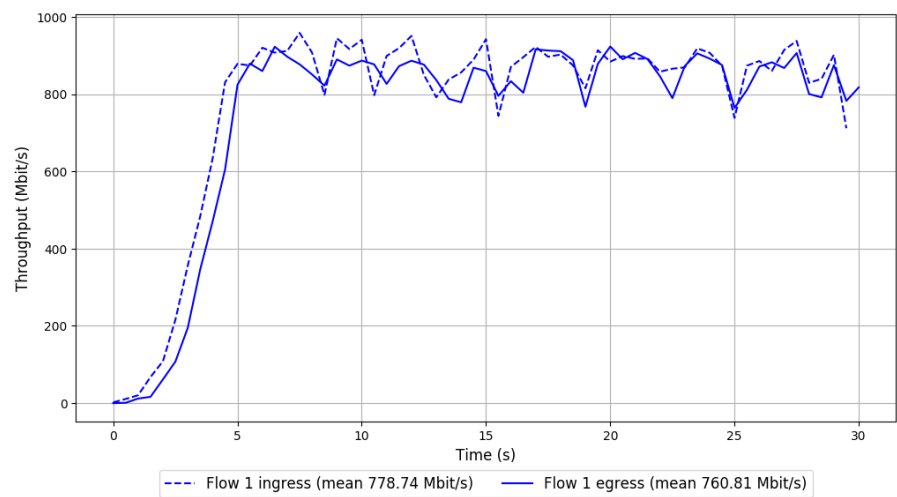


Run 1: Statistics of FillP

Start at: 2018-06-07 00:00:14
End at: 2018-06-07 00:00:44
Local clock offset: -0.372 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-06-07 04:01:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 760.81 Mbit/s
95th percentile per-packet one-way delay: 118.986 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 760.81 Mbit/s
95th percentile per-packet one-way delay: 118.986 ms
Loss rate: 2.29%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-07 00:20:18

End at: 2018-06-07 00:20:48

Local clock offset: 0.138 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-06-07 04:02:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 817.14 Mbit/s

95th percentile per-packet one-way delay: 125.503 ms

Loss rate: 3.24%

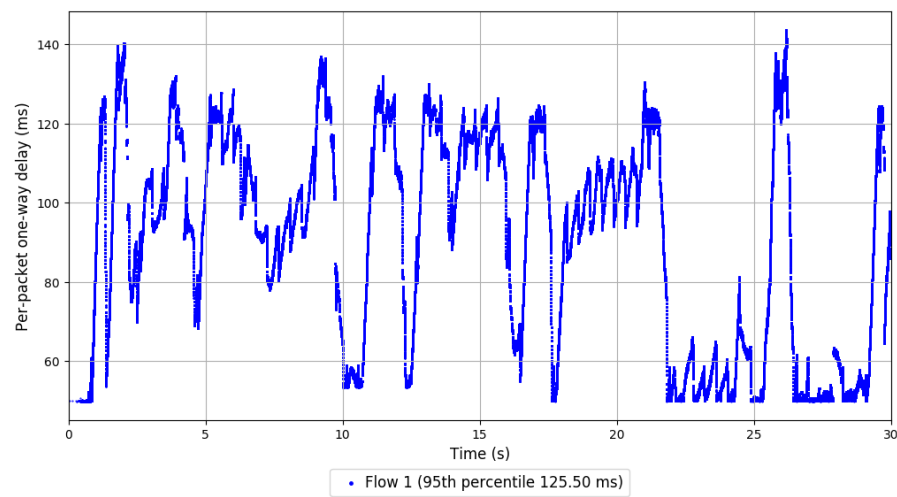
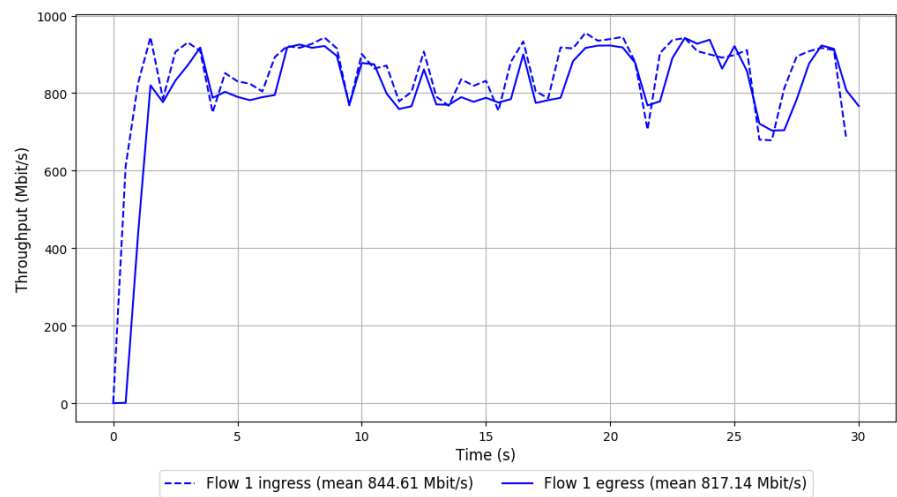
-- Flow 1:

Average throughput: 817.14 Mbit/s

95th percentile per-packet one-way delay: 125.503 ms

Loss rate: 3.24%

Run 2: Report of FillP — Data Link

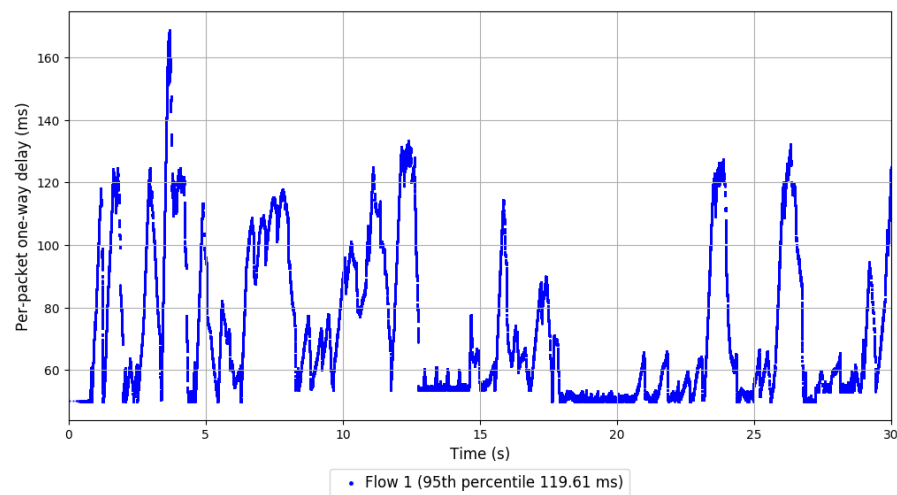
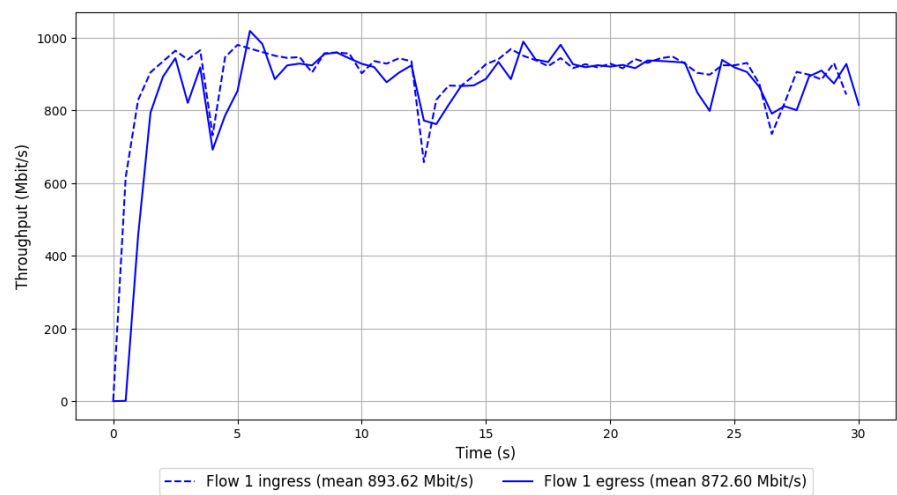


Run 3: Statistics of FillP

Start at: 2018-06-07 00:40:55
End at: 2018-06-07 00:41:25
Local clock offset: -0.186 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-07 04:02:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 872.60 Mbit/s
95th percentile per-packet one-way delay: 119.613 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 872.60 Mbit/s
95th percentile per-packet one-way delay: 119.613 ms
Loss rate: 2.34%

Run 3: Report of FillP — Data Link

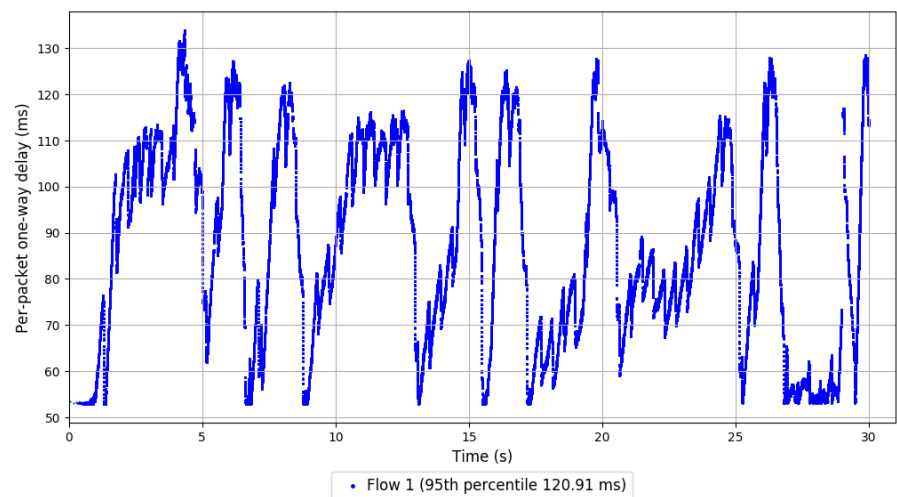
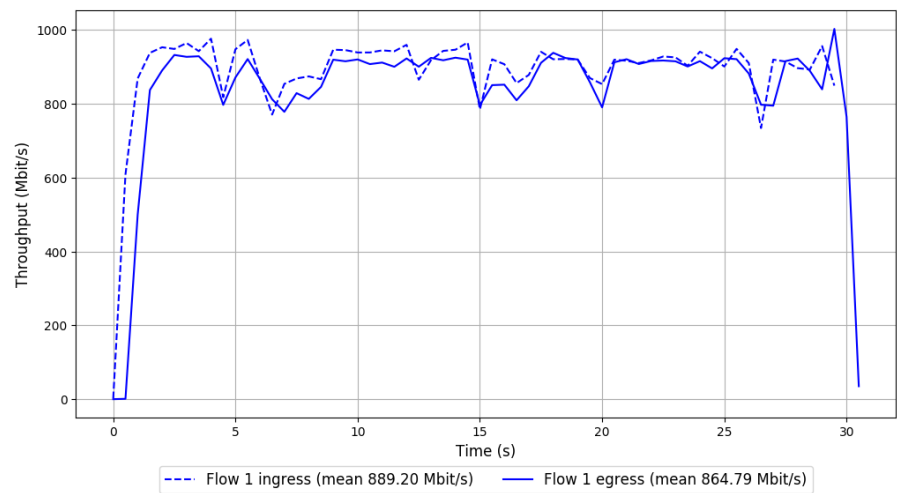


Run 4: Statistics of FillP

Start at: 2018-06-07 01:01:20
End at: 2018-06-07 01:01:50
Local clock offset: 0.012 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-06-07 04:03:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 864.79 Mbit/s
95th percentile per-packet one-way delay: 120.906 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 864.79 Mbit/s
95th percentile per-packet one-way delay: 120.906 ms
Loss rate: 2.74%

Run 4: Report of FillP — Data Link

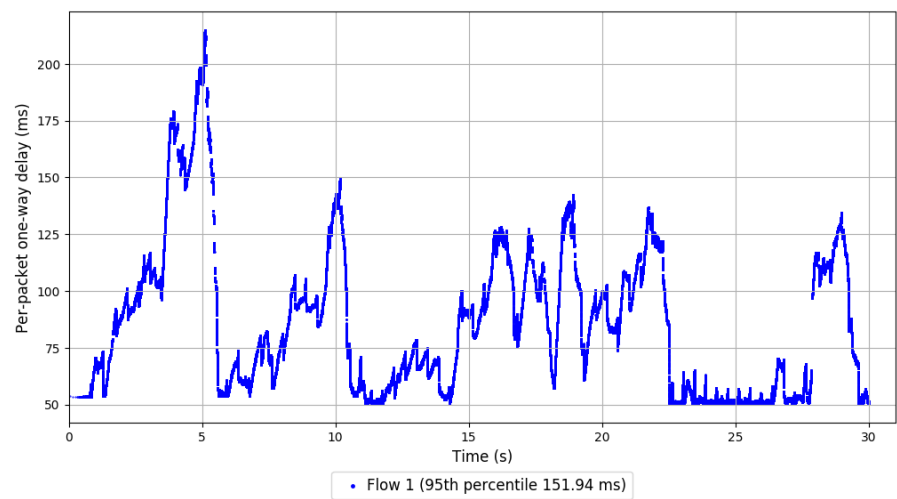
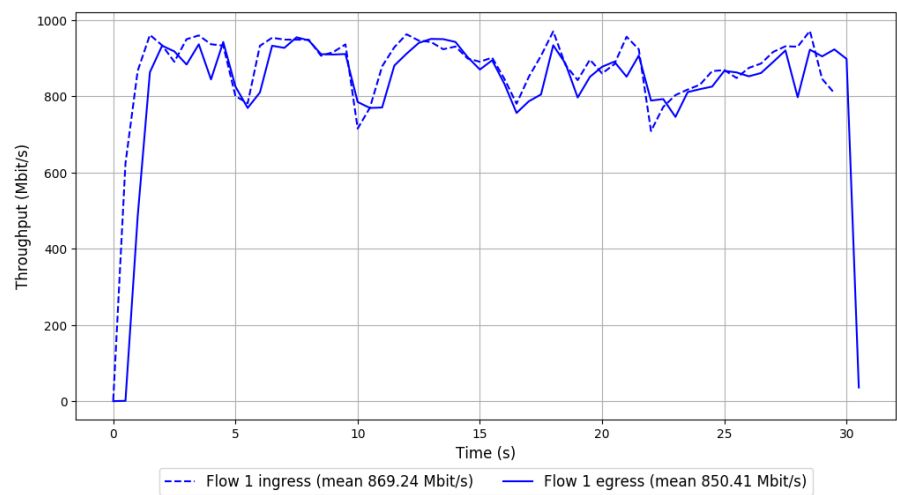


Run 5: Statistics of FillP

Start at: 2018-06-07 01:21:51
End at: 2018-06-07 01:22:21
Local clock offset: -0.277 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-07 04:03:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 850.41 Mbit/s
95th percentile per-packet one-way delay: 151.935 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 850.41 Mbit/s
95th percentile per-packet one-way delay: 151.935 ms
Loss rate: 2.17%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-07 01:42:37

End at: 2018-06-07 01:43:07

Local clock offset: -0.059 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-07 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 891.95 Mbit/s

95th percentile per-packet one-way delay: 117.656 ms

Loss rate: 1.35%

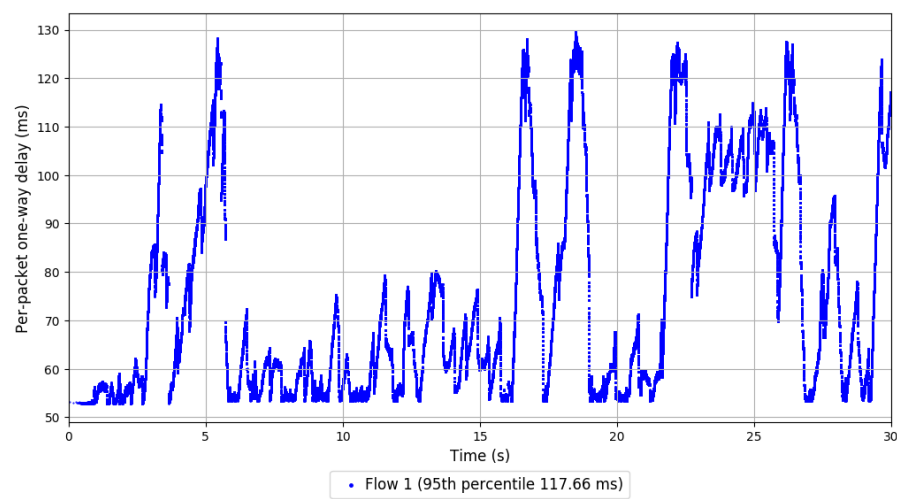
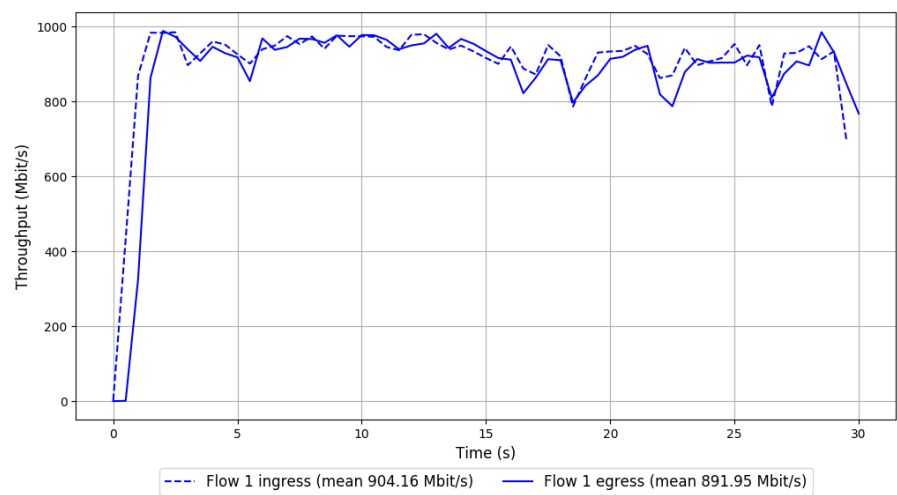
-- Flow 1:

Average throughput: 891.95 Mbit/s

95th percentile per-packet one-way delay: 117.656 ms

Loss rate: 1.35%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-07 02:03:18

End at: 2018-06-07 02:03:48

Local clock offset: -0.165 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2018-06-07 04:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 824.91 Mbit/s

95th percentile per-packet one-way delay: 124.795 ms

Loss rate: 4.20%

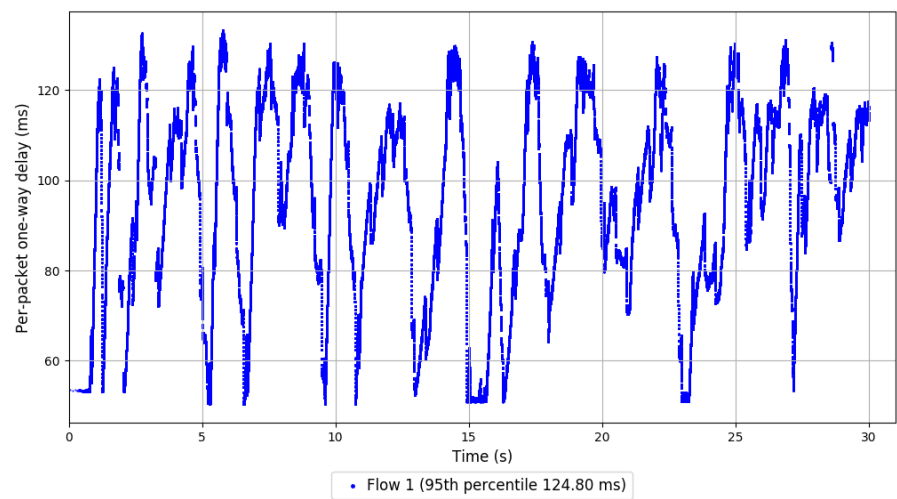
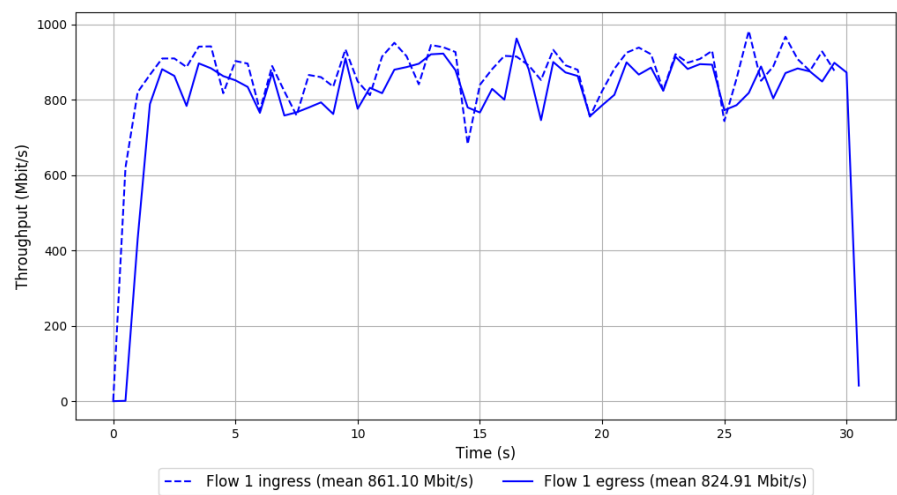
-- Flow 1:

Average throughput: 824.91 Mbit/s

95th percentile per-packet one-way delay: 124.795 ms

Loss rate: 4.20%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-07 02:23:35

End at: 2018-06-07 02:24:05

Local clock offset: 0.185 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-06-07 04:09:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 890.48 Mbit/s

95th percentile per-packet one-way delay: 124.866 ms

Loss rate: 1.33%

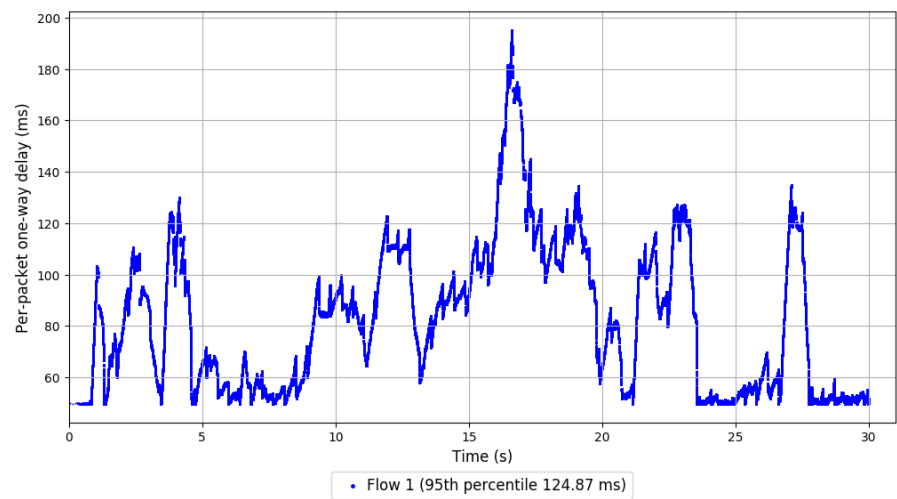
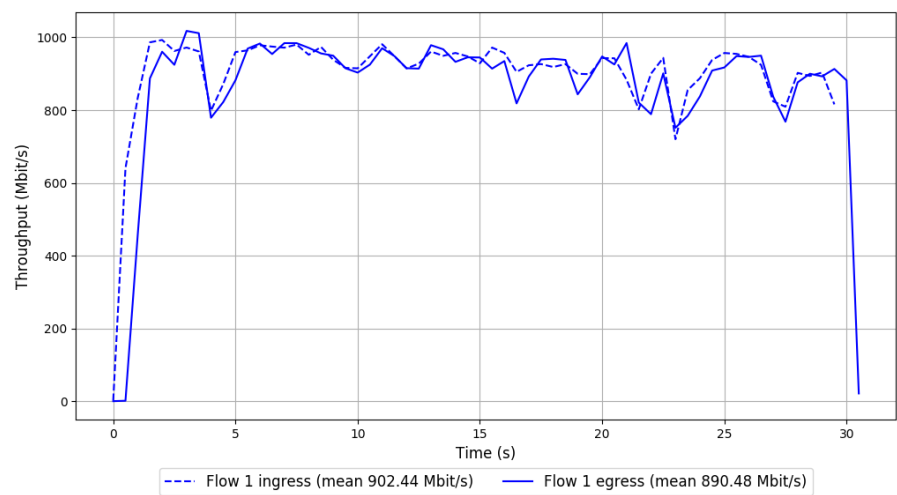
-- Flow 1:

Average throughput: 890.48 Mbit/s

95th percentile per-packet one-way delay: 124.866 ms

Loss rate: 1.33%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-07 02:44:03

End at: 2018-06-07 02:44:33

Local clock offset: 0.16 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-06-07 04:17:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 807.36 Mbit/s

95th percentile per-packet one-way delay: 128.308 ms

Loss rate: 3.97%

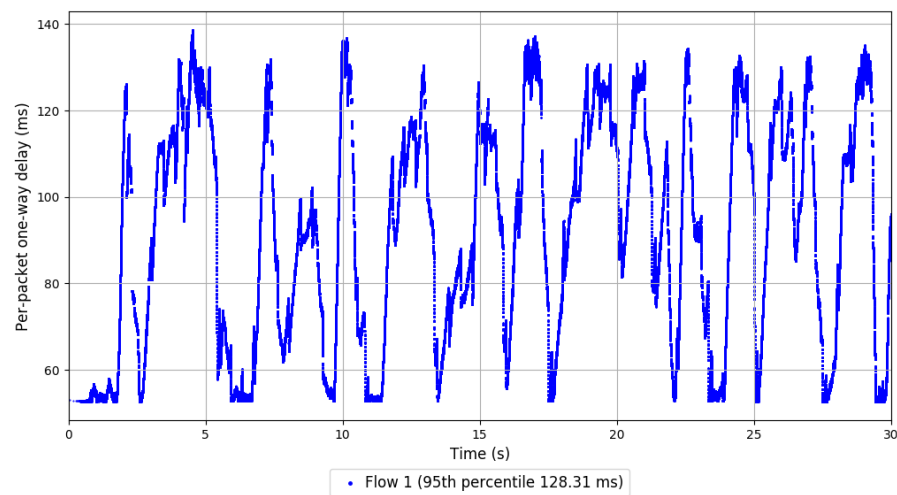
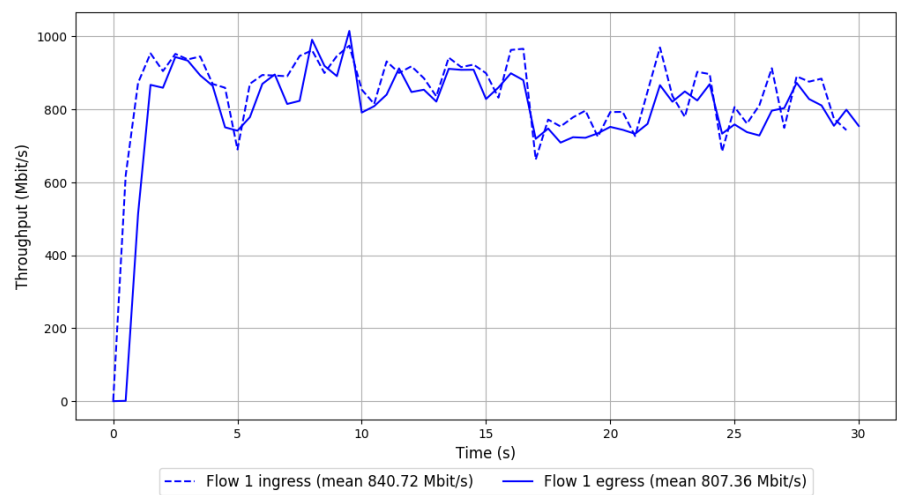
-- Flow 1:

Average throughput: 807.36 Mbit/s

95th percentile per-packet one-way delay: 128.308 ms

Loss rate: 3.97%

Run 9: Report of FillP — Data Link

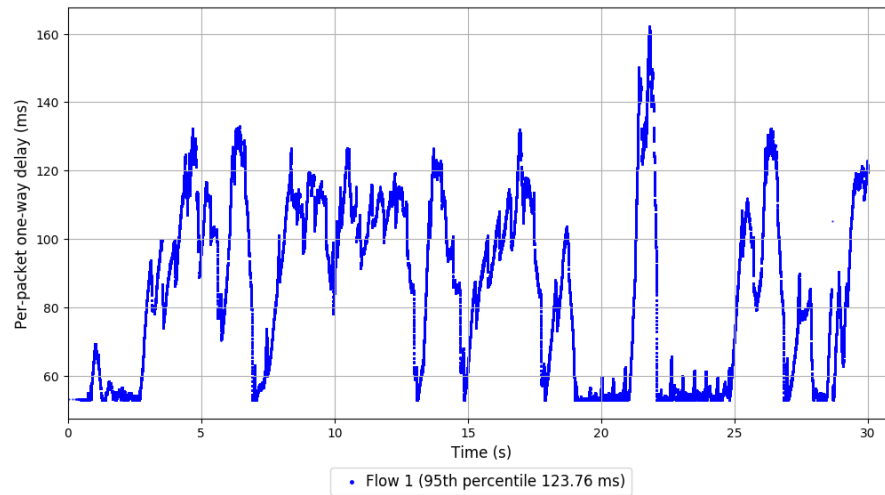
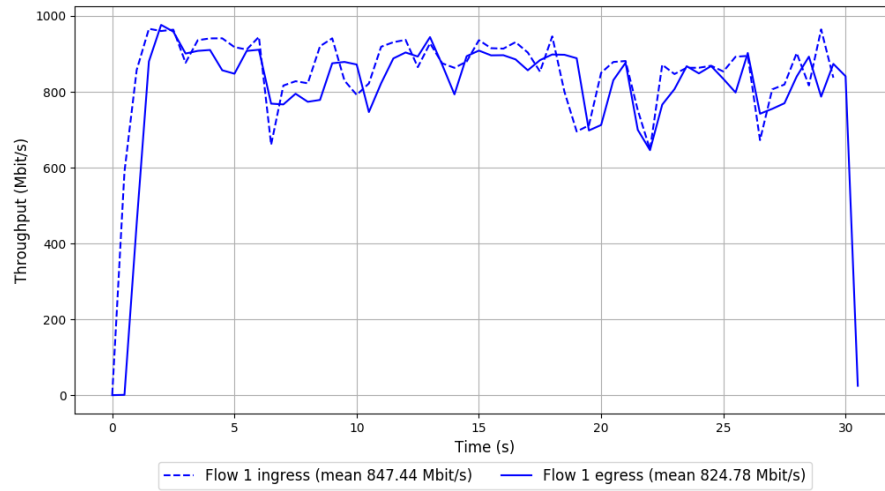


Run 10: Statistics of FillP

Start at: 2018-06-07 03:04:37
End at: 2018-06-07 03:05:07
Local clock offset: 0.17 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 824.78 Mbit/s
95th percentile per-packet one-way delay: 123.759 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 824.78 Mbit/s
95th percentile per-packet one-way delay: 123.759 ms
Loss rate: 2.67%

Run 10: Report of FillP — Data Link

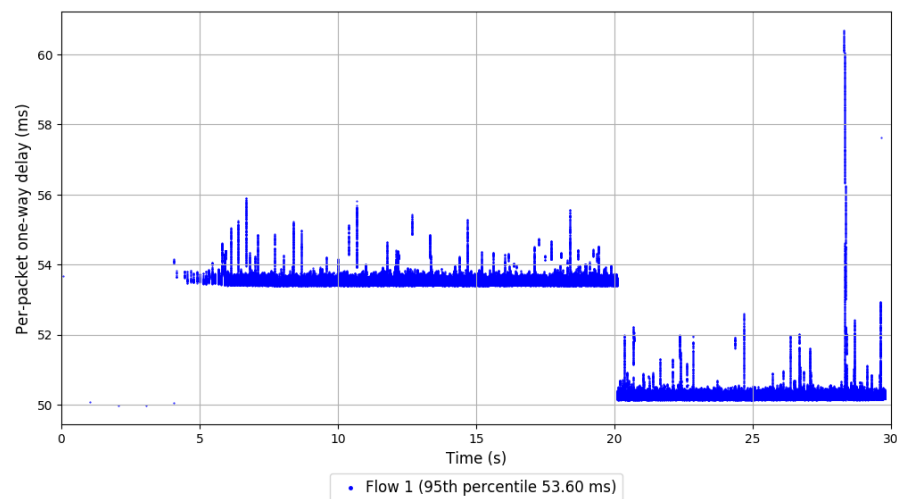
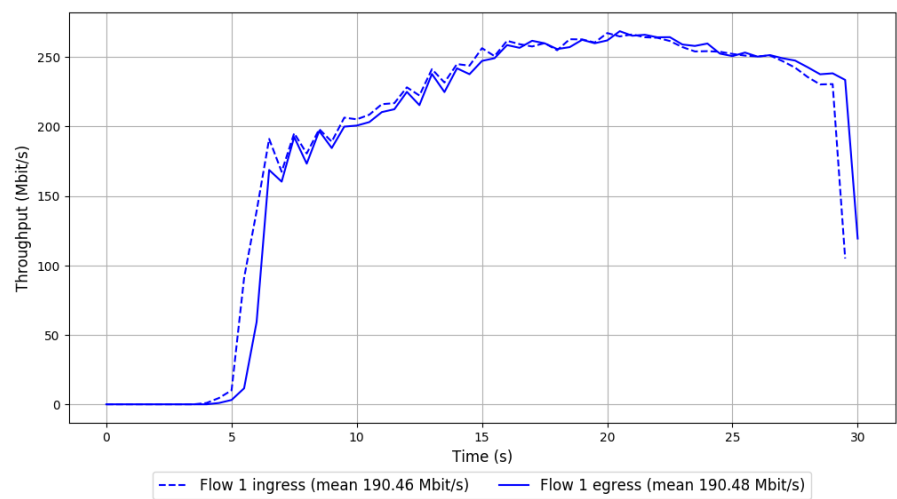


```
Run 1: Statistics of Indigo

Start at: 2018-06-07 00:16:42
End at: 2018-06-07 00:17:12
Local clock offset: 0.12 ms
Remote clock offset: 0.207 ms

# Below is generated by plot.py at 2018-06-07 04:19:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.48 Mbit/s
95th percentile per-packet one-way delay: 53.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.48 Mbit/s
95th percentile per-packet one-way delay: 53.599 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

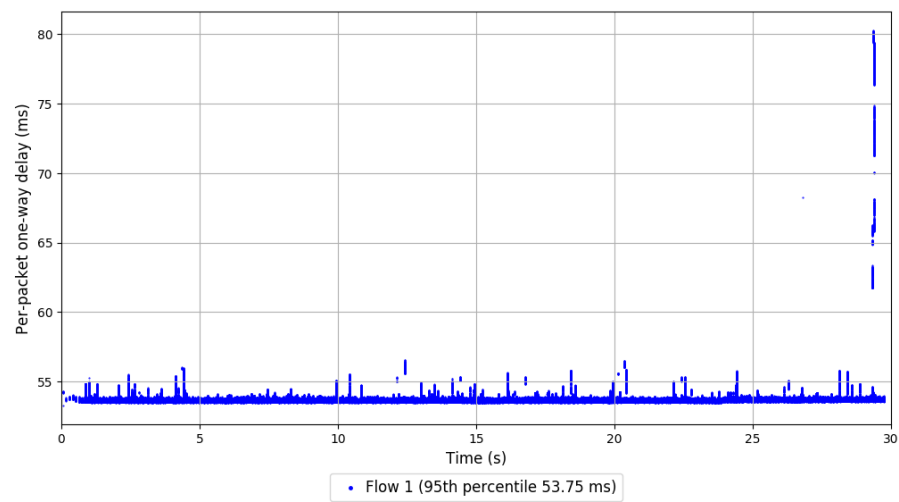
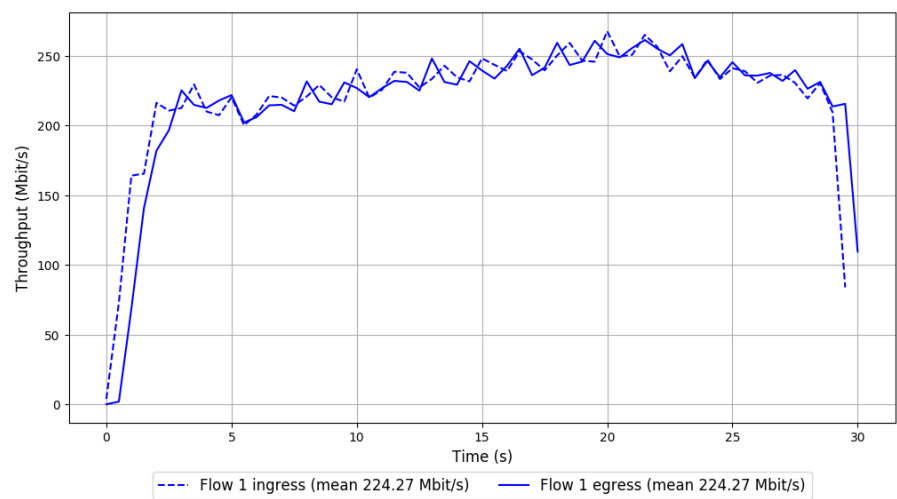


Run 2: Statistics of Indigo

Start at: 2018-06-07 00:37:18
End at: 2018-06-07 00:37:48
Local clock offset: -0.084 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.27 Mbit/s
95th percentile per-packet one-way delay: 53.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.27 Mbit/s
95th percentile per-packet one-way delay: 53.754 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

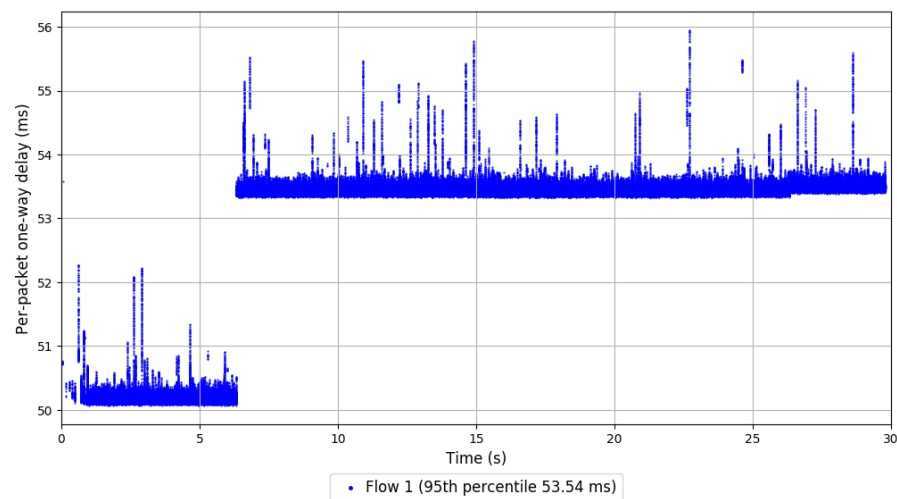
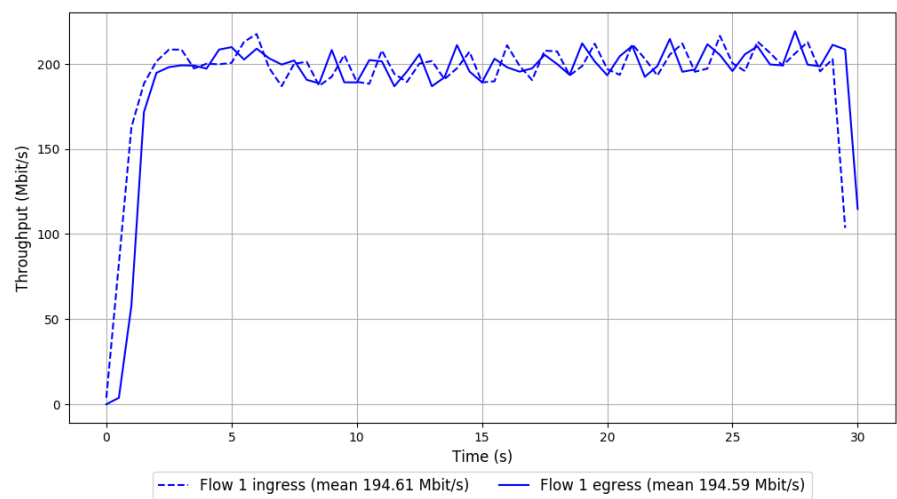


Run 3: Statistics of Indigo

Start at: 2018-06-07 00:57:46
End at: 2018-06-07 00:58:16
Local clock offset: 0.04 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.59 Mbit/s
95th percentile per-packet one-way delay: 53.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.59 Mbit/s
95th percentile per-packet one-way delay: 53.542 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-07 01:18:14

End at: 2018-06-07 01:18:44

Local clock offset: 0.094 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.16 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.00%

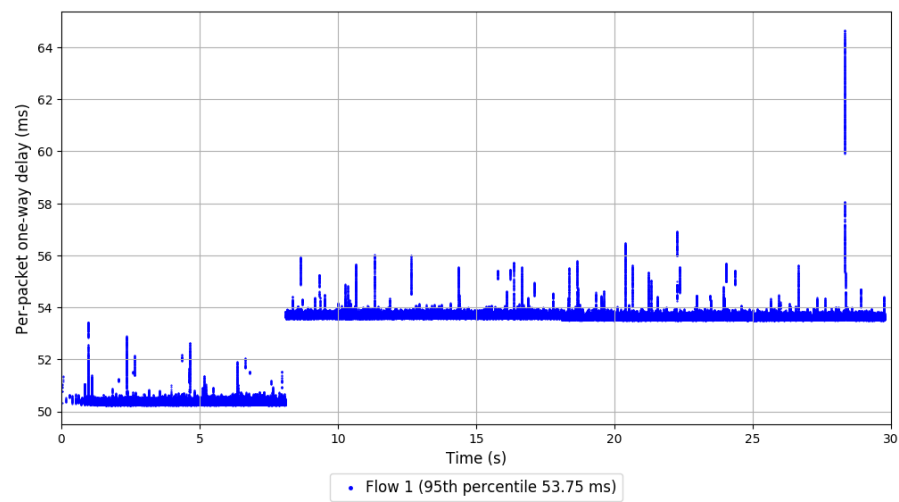
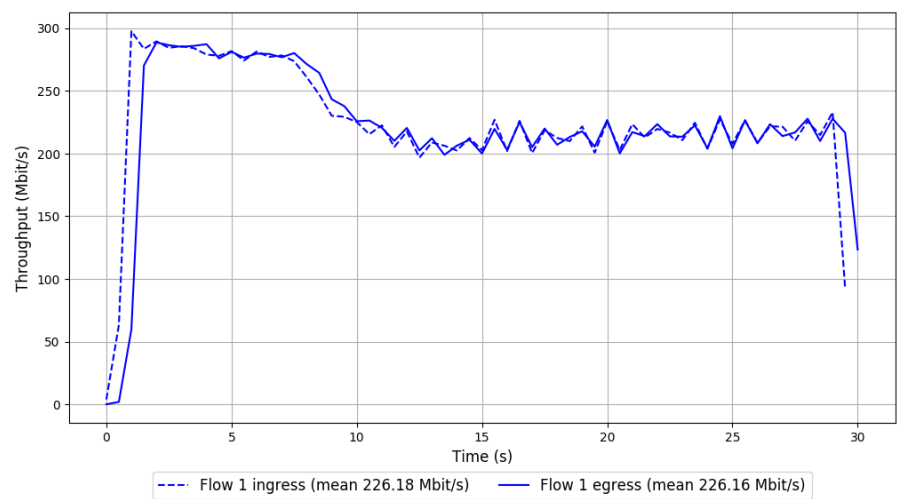
-- Flow 1:

Average throughput: 226.16 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-07 01:39:00

End at: 2018-06-07 01:39:30

Local clock offset: -0.231 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.68 Mbit/s

95th percentile per-packet one-way delay: 53.779 ms

Loss rate: 0.00%

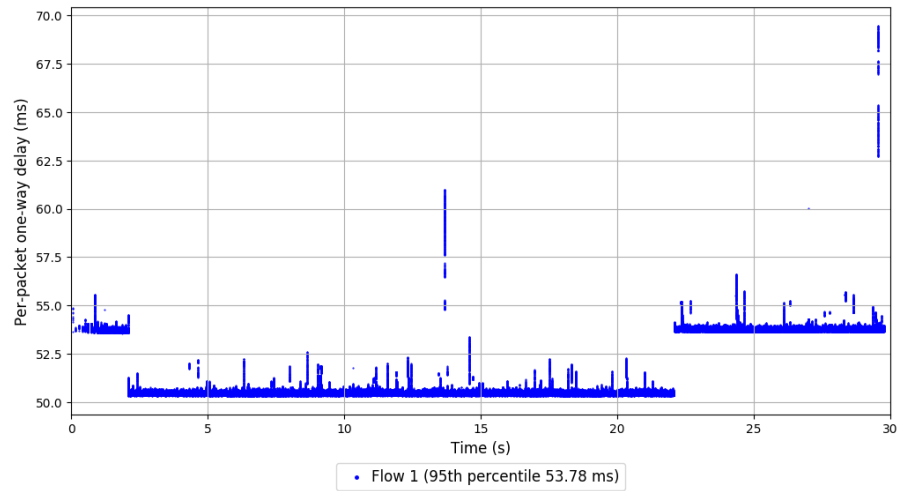
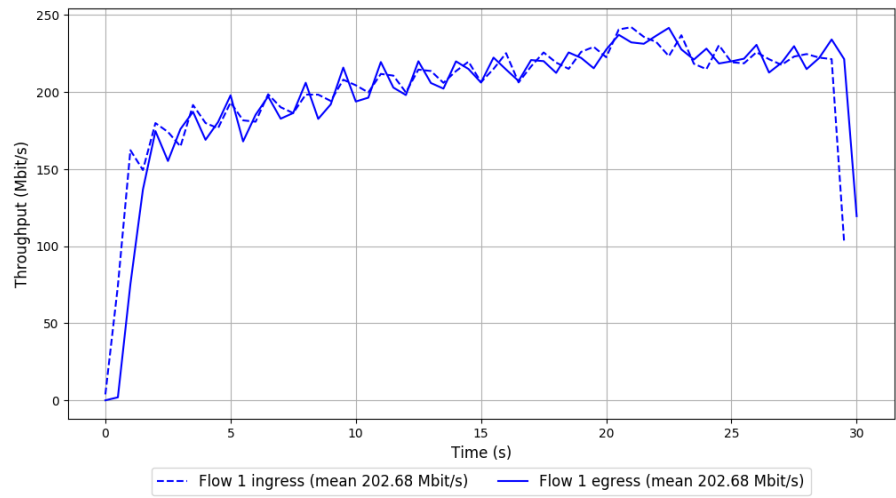
-- Flow 1:

Average throughput: 202.68 Mbit/s

95th percentile per-packet one-way delay: 53.779 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

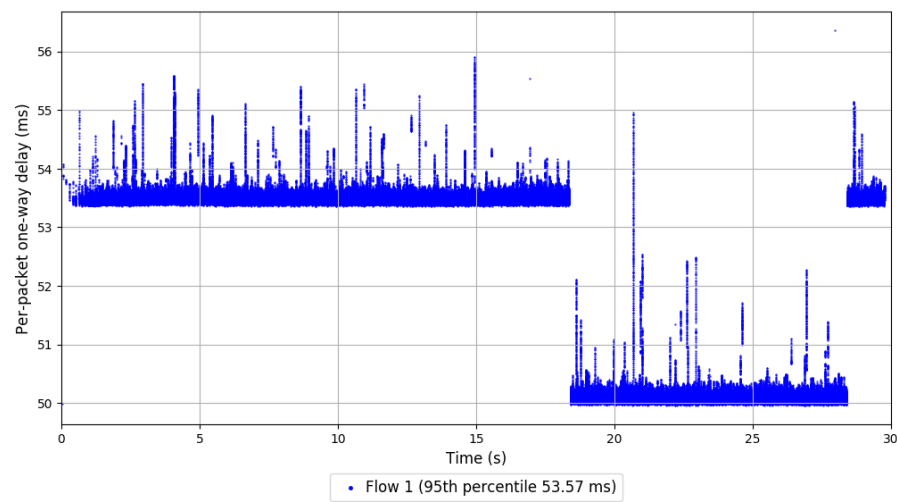
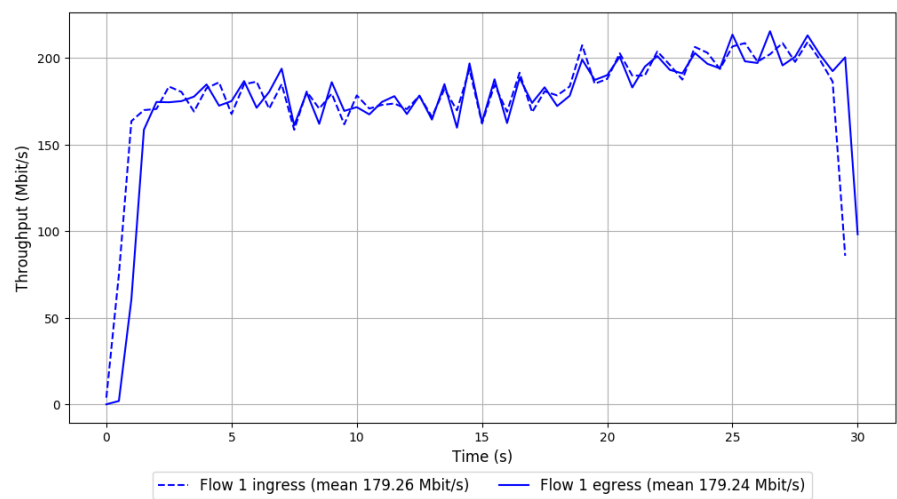


Run 6: Statistics of Indigo

Start at: 2018-06-07 01:59:44
End at: 2018-06-07 02:00:14
Local clock offset: -0.204 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 53.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 53.573 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-07 02:19:58

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

Local clock offset: -0.127 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.12 Mbit/s

95th percentile per-packet one-way delay: 53.445 ms

Loss rate: 0.00%

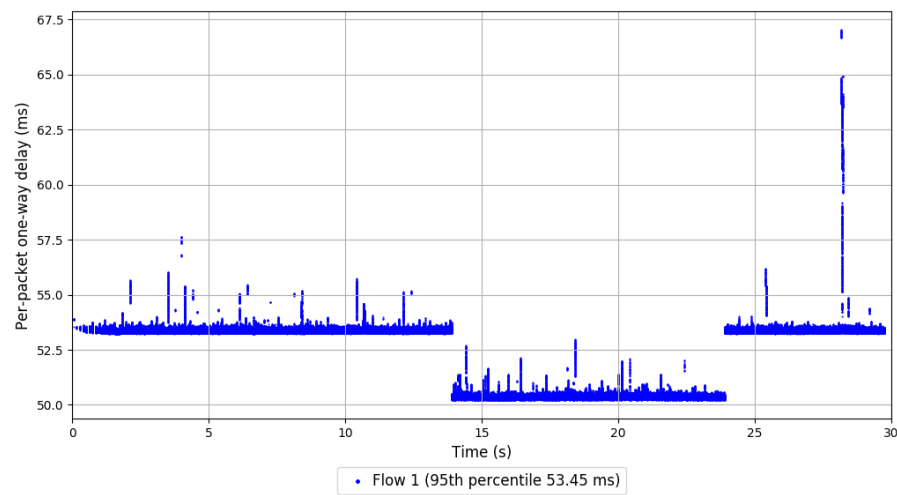
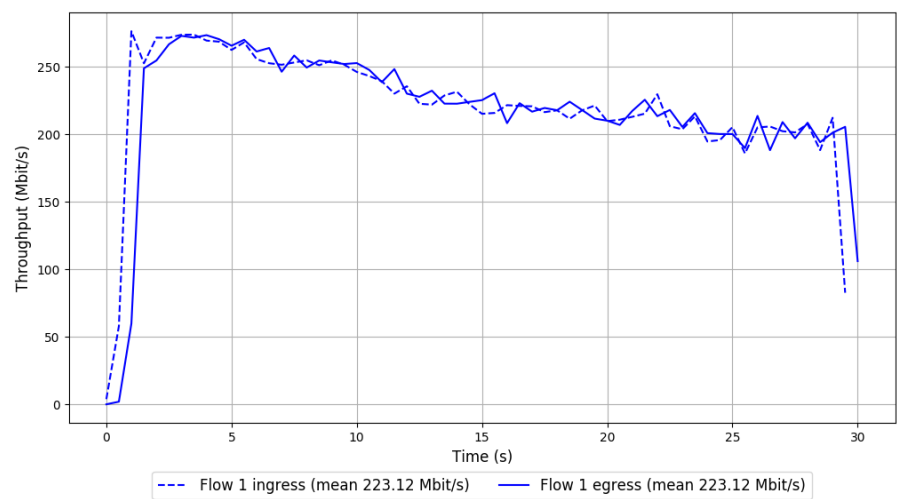
-- Flow 1:

Average throughput: 223.12 Mbit/s

95th percentile per-packet one-way delay: 53.445 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-07 02:40:27

End at: 2018-06-07 02:40:57

Local clock offset: -0.334 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.65 Mbit/s

95th percentile per-packet one-way delay: 53.918 ms

Loss rate: 0.00%

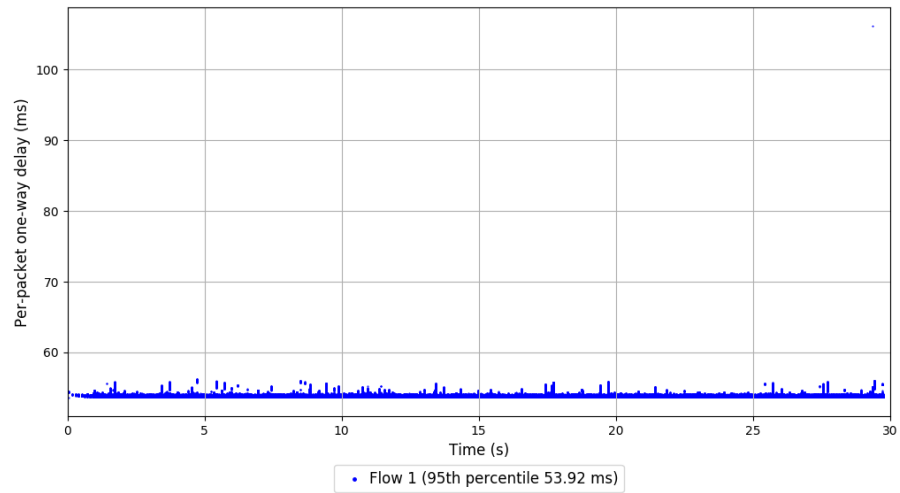
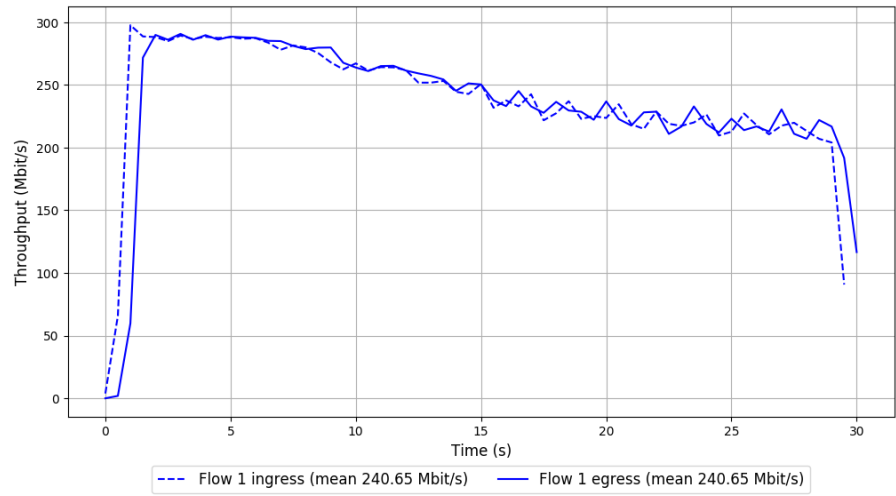
-- Flow 1:

Average throughput: 240.65 Mbit/s

95th percentile per-packet one-way delay: 53.918 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-07 03:00:59

End at: 2018-06-07 03:01:29

Local clock offset: -0.327 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.48 Mbit/s

95th percentile per-packet one-way delay: 53.644 ms

Loss rate: 0.00%

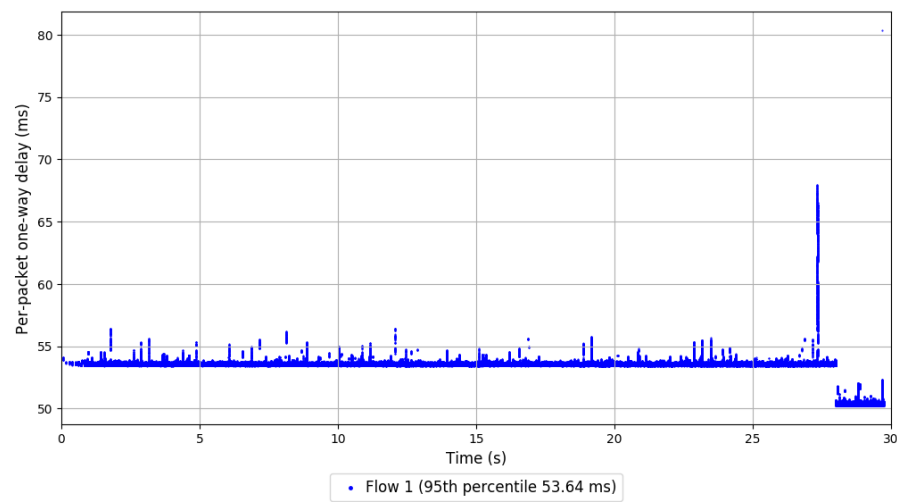
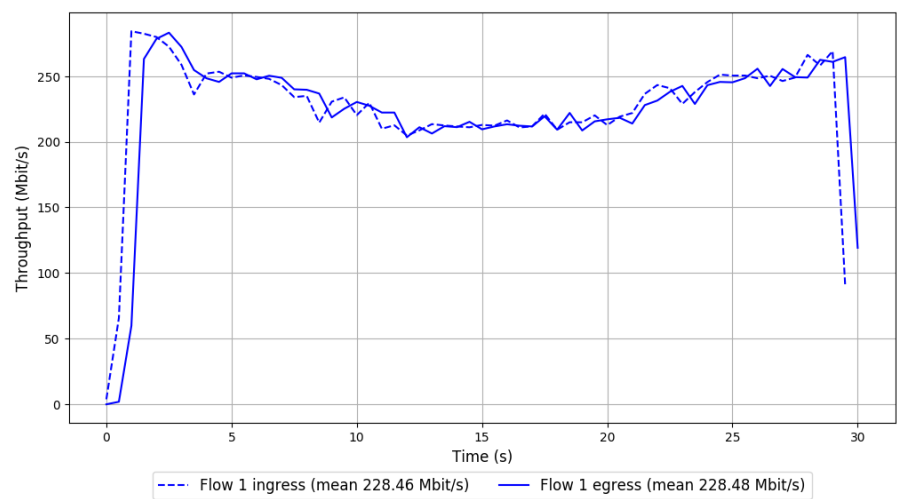
-- Flow 1:

Average throughput: 228.48 Mbit/s

95th percentile per-packet one-way delay: 53.644 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-07 03:21:08

End at: 2018-06-07 03:21:38

Local clock offset: 0.187 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.38 Mbit/s

95th percentile per-packet one-way delay: 53.275 ms

Loss rate: 0.00%

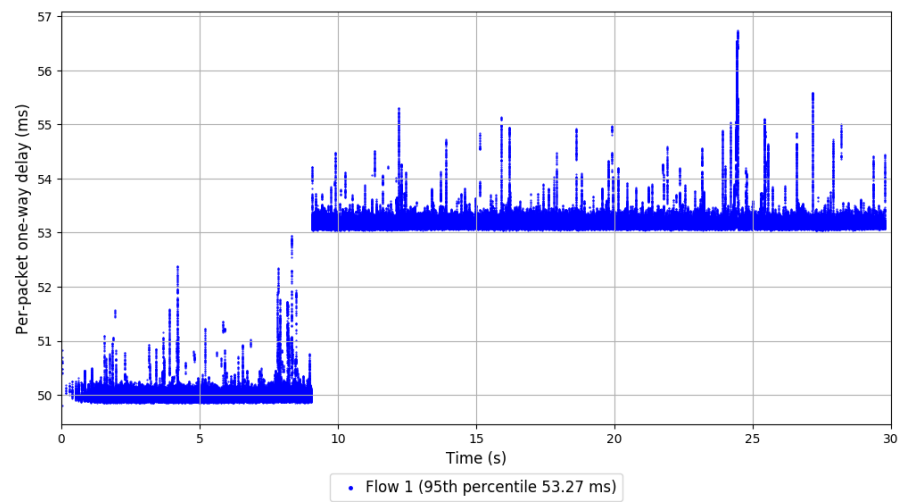
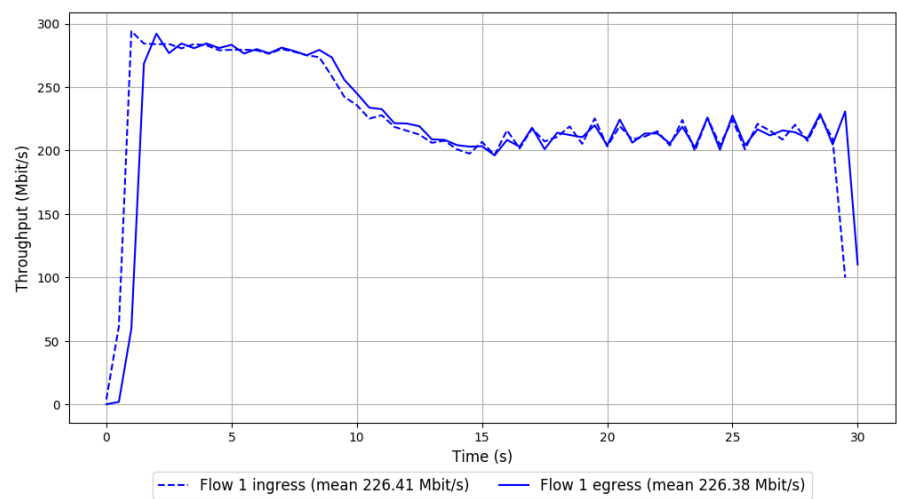
-- Flow 1:

Average throughput: 226.38 Mbit/s

95th percentile per-packet one-way delay: 53.275 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

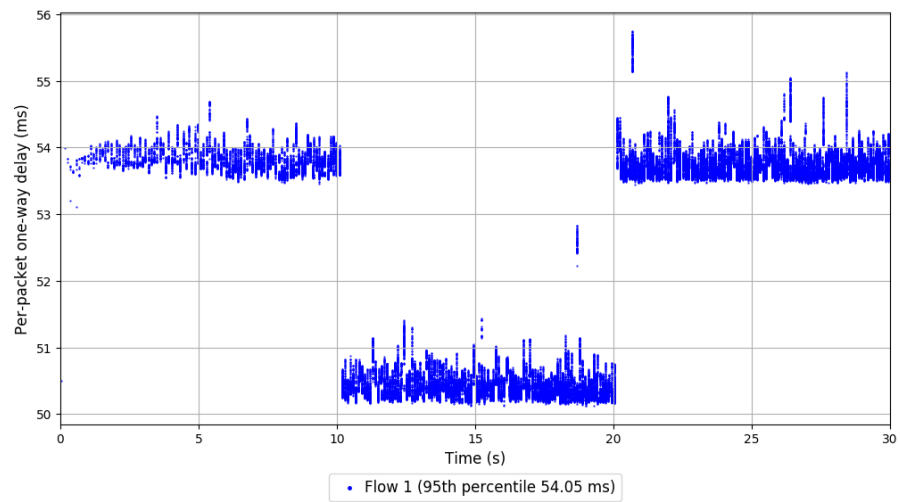
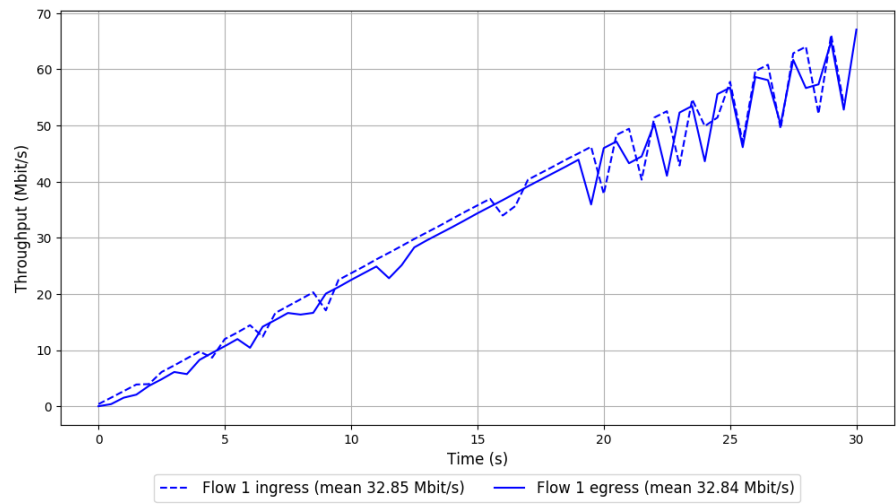


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-07 00:10:32
End at: 2018-06-07 00:11:02
Local clock offset: -0.104 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-06-07 04:19:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 54.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 54.055 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-07 00:31:15

End at: 2018-06-07 00:31:45

Local clock offset: -0.444 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.32 Mbit/s

95th percentile per-packet one-way delay: 55.633 ms

Loss rate: 0.00%

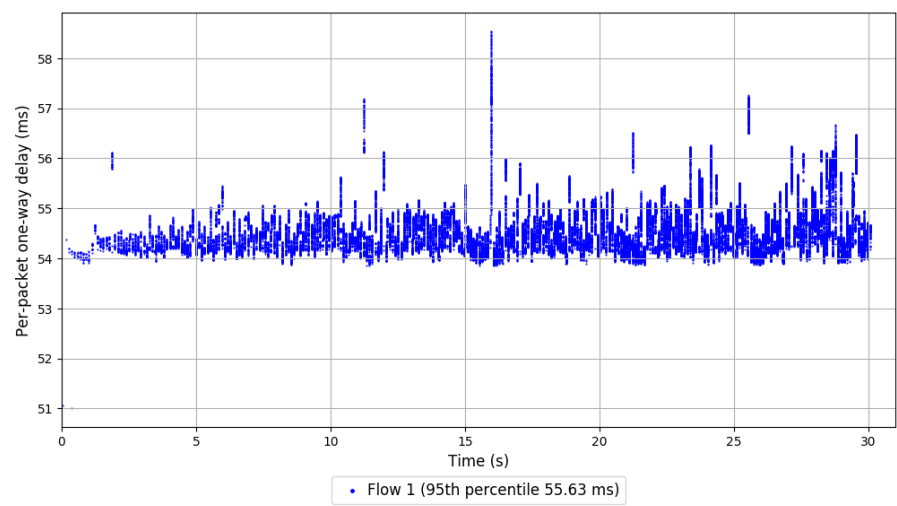
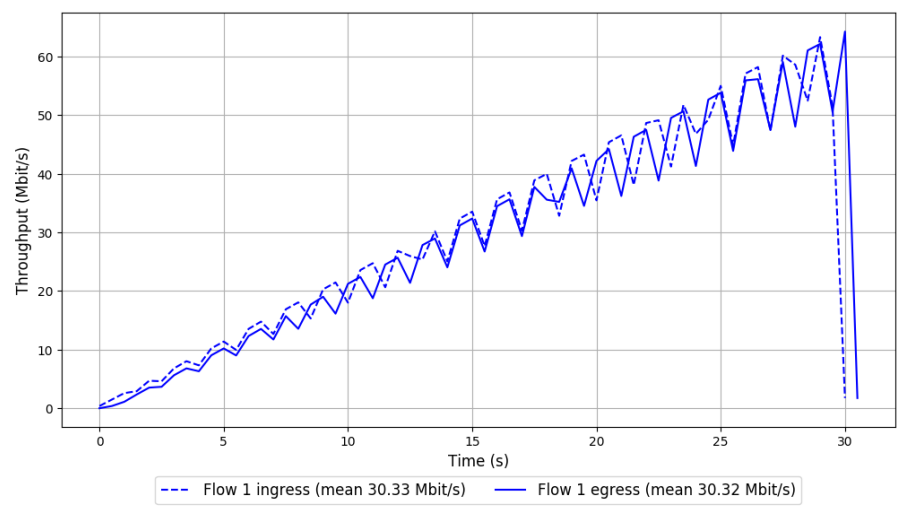
-- Flow 1:

Average throughput: 30.32 Mbit/s

95th percentile per-packet one-way delay: 55.633 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

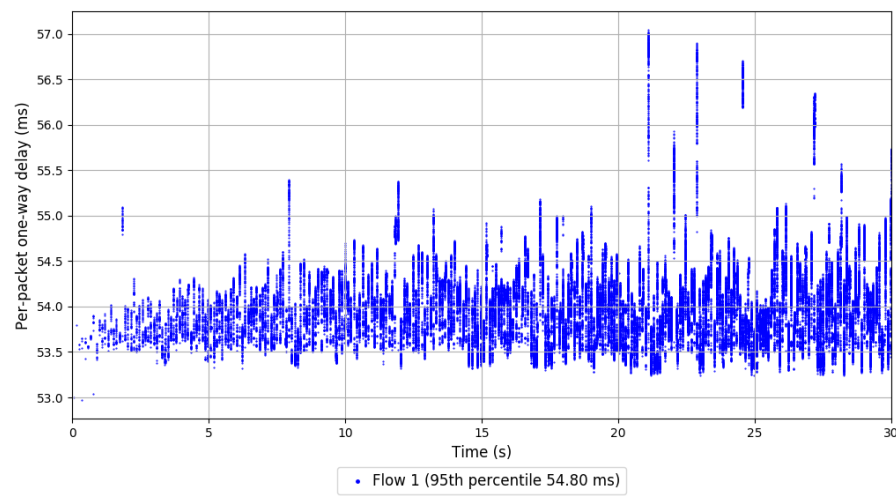
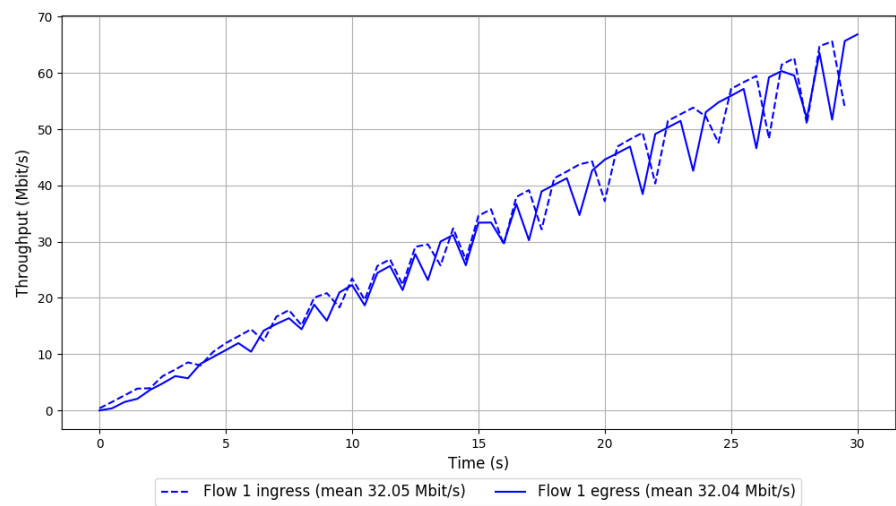


Run 3: Statistics of LEDBAT

Start at: 2018-06-07 00:51:44
End at: 2018-06-07 00:52:14
Local clock offset: 0.039 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 54.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 54.800 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

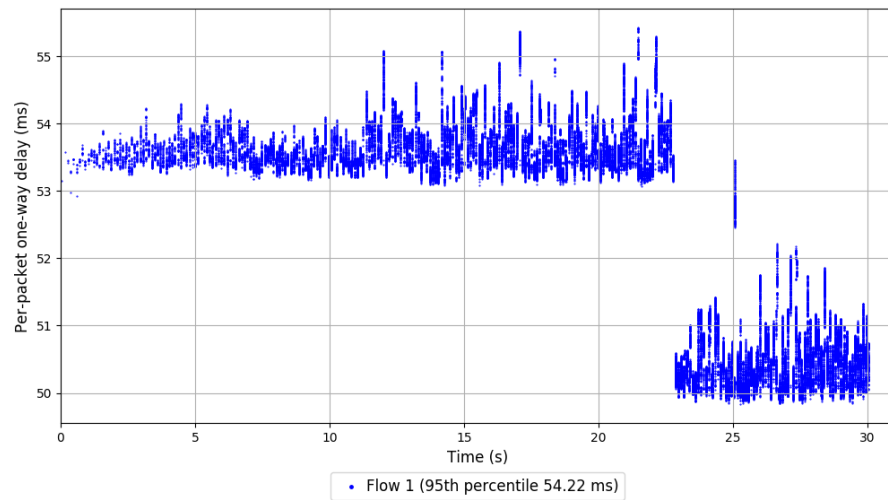
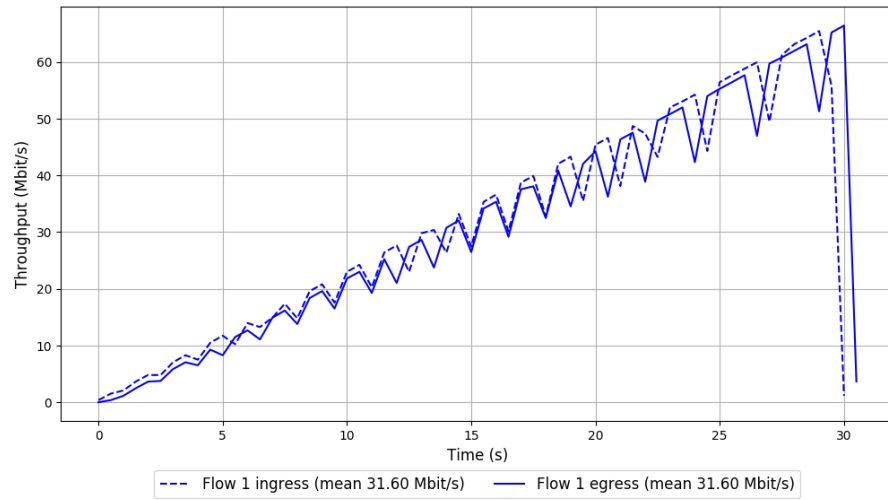


Run 4: Statistics of LEDBAT

Start at: 2018-06-07 01:12:00
End at: 2018-06-07 01:12:30
Local clock offset: 0.315 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 54.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 54.224 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-07 01:32:37

End at: 2018-06-07 01:33:07

Local clock offset: 0.399 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 0.00%

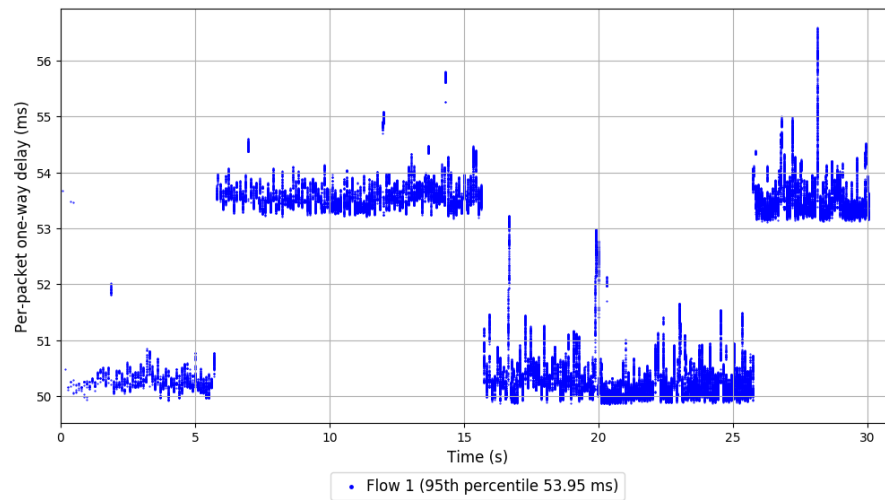
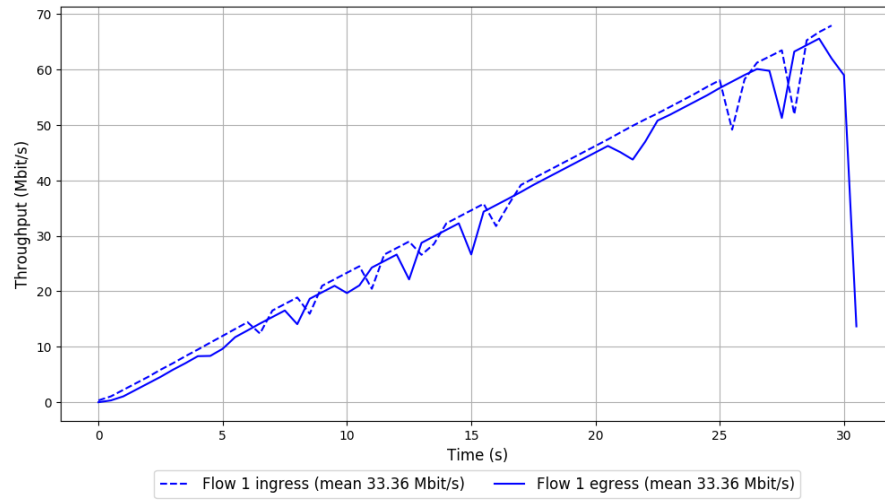
-- Flow 1:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

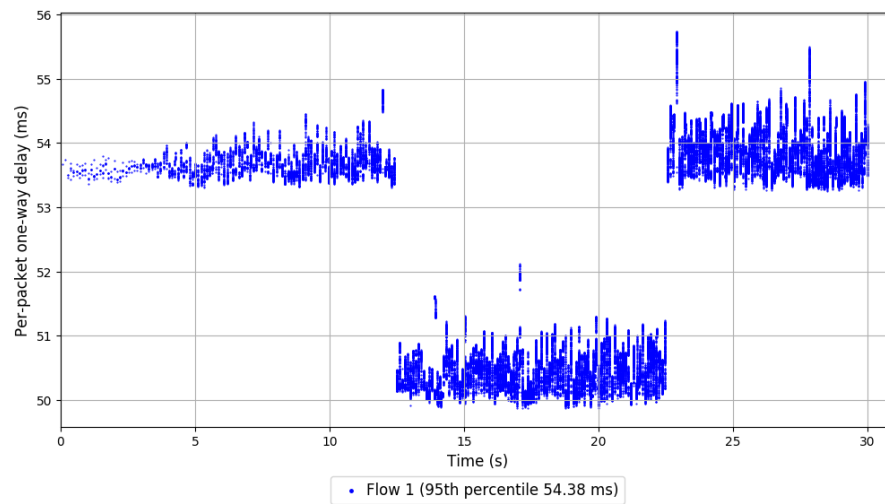
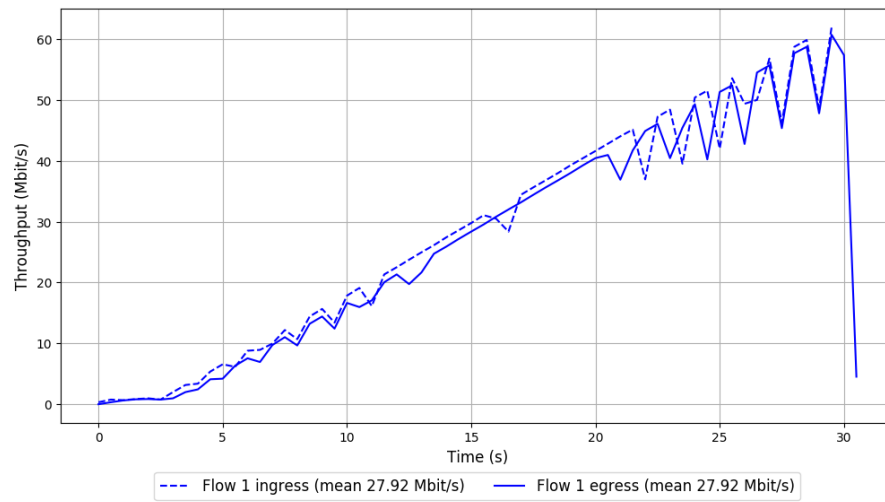


Run 6: Statistics of LEDBAT

Start at: 2018-06-07 01:53:30
End at: 2018-06-07 01:54:00
Local clock offset: 0.134 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 54.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 54.376 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-07 02:13:54

End at: 2018-06-07 02:14:25

Local clock offset: -0.188 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.61 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 0.00%

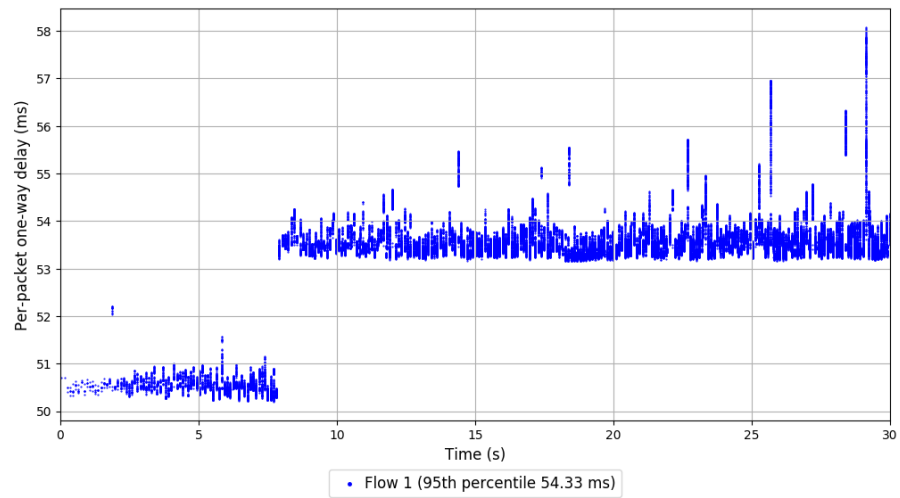
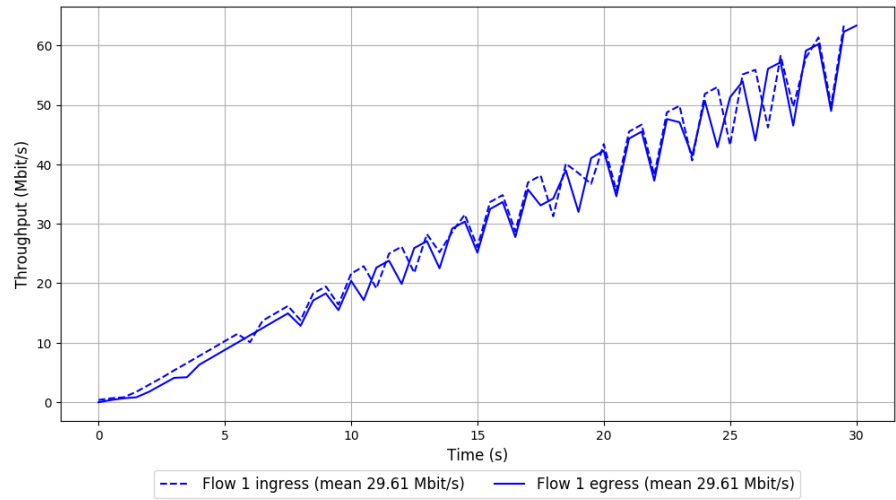
-- Flow 1:

Average throughput: 29.61 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

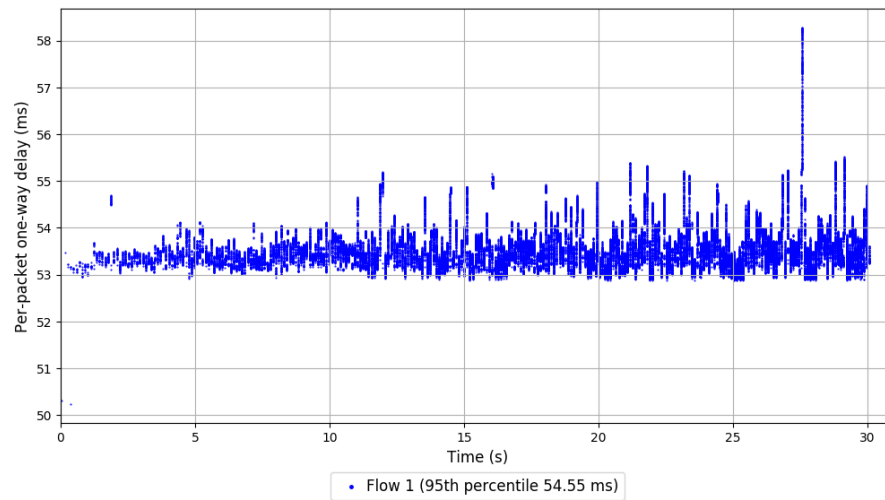
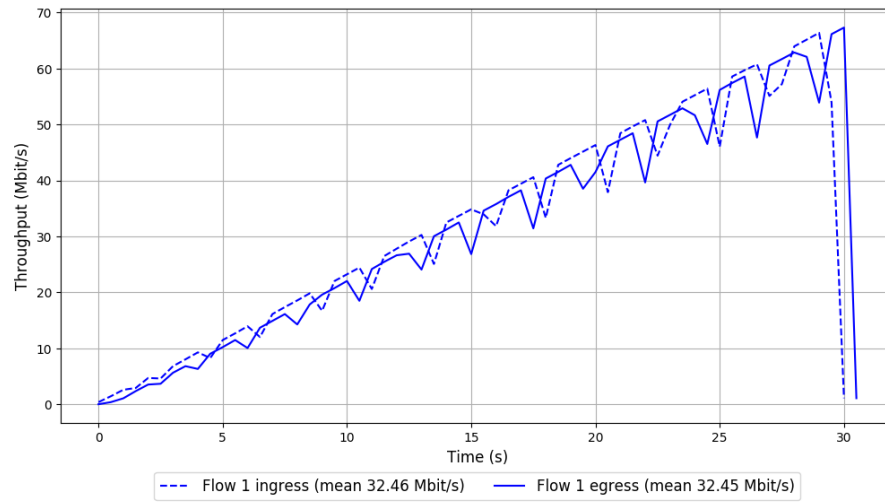


Run 8: Statistics of LEDBAT

Start at: 2018-06-07 02:33:57
End at: 2018-06-07 02:34:27
Local clock offset: -0.092 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-07 04:19:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 54.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 54.548 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-07 02:54:55

End at: 2018-06-07 02:55:25

Local clock offset: -0.286 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 54.833 ms

Loss rate: 0.00%

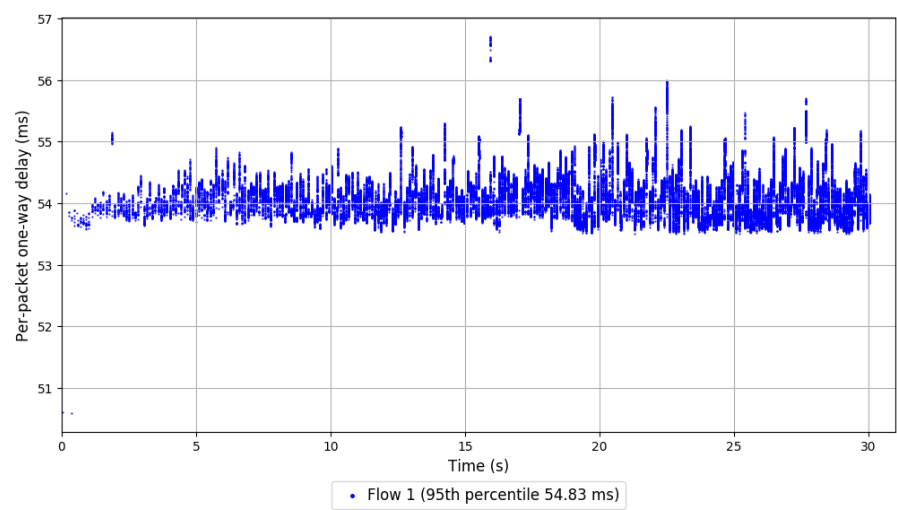
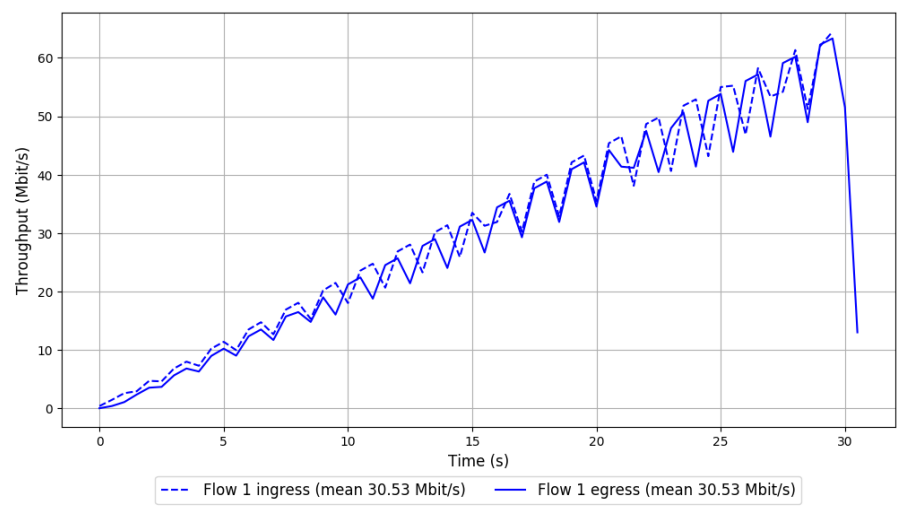
-- Flow 1:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 54.833 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-07 03:15:05

End at: 2018-06-07 03:15:35

Local clock offset: 0.026 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-07 04:19:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.34 Mbit/s

95th percentile per-packet one-way delay: 53.616 ms

Loss rate: 0.00%

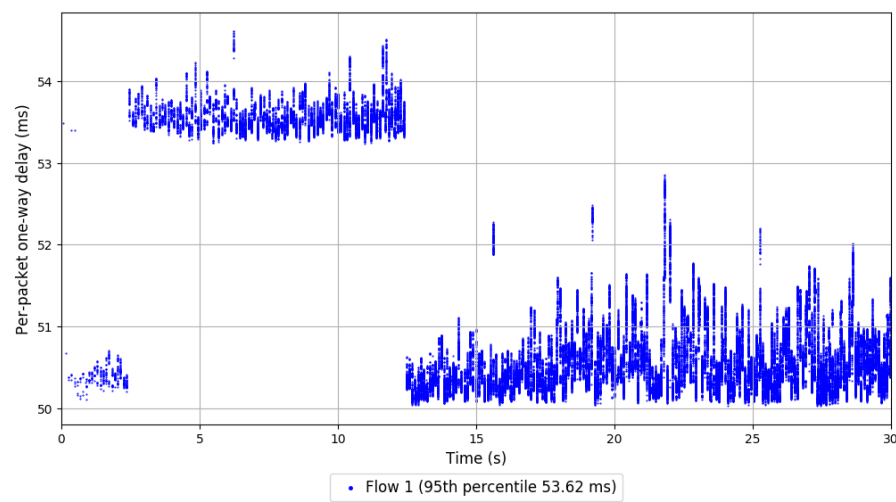
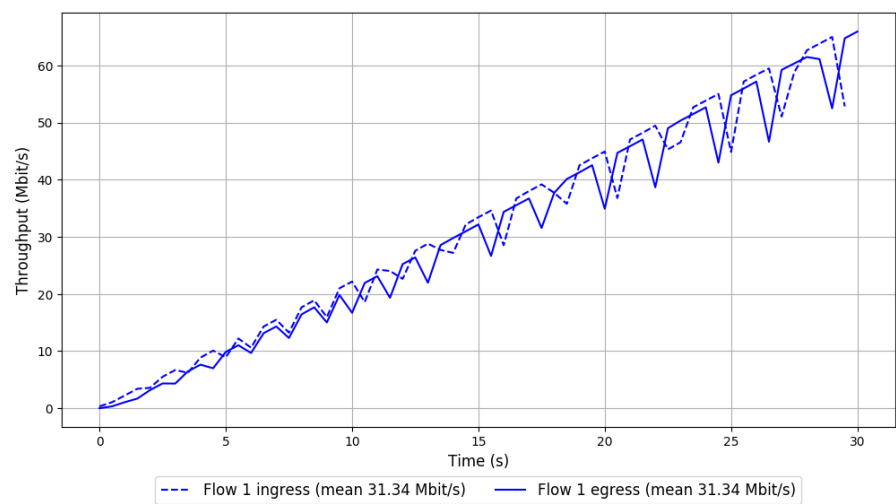
-- Flow 1:

Average throughput: 31.34 Mbit/s

95th percentile per-packet one-way delay: 53.616 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-07 00:15:16

End at: 2018-06-07 00:15:46

Local clock offset: 0.23 ms

Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-06-07 04:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.52 Mbit/s

95th percentile per-packet one-way delay: 62.714 ms

Loss rate: 0.16%

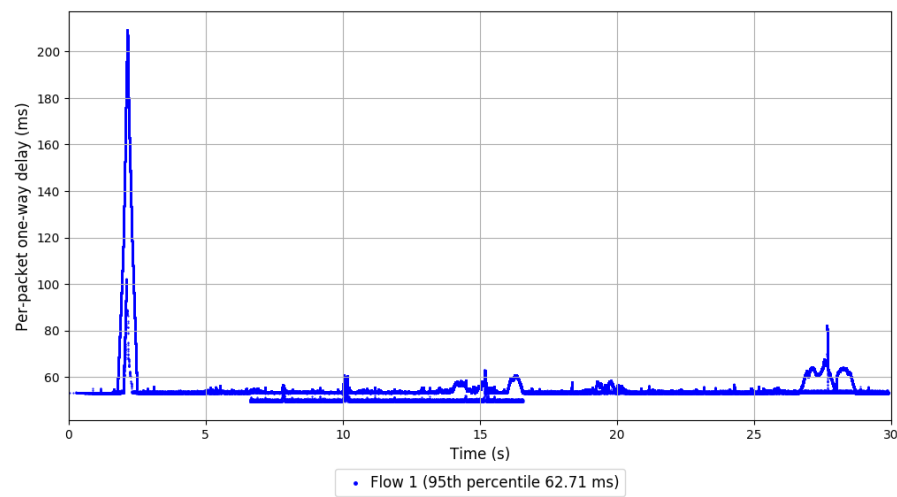
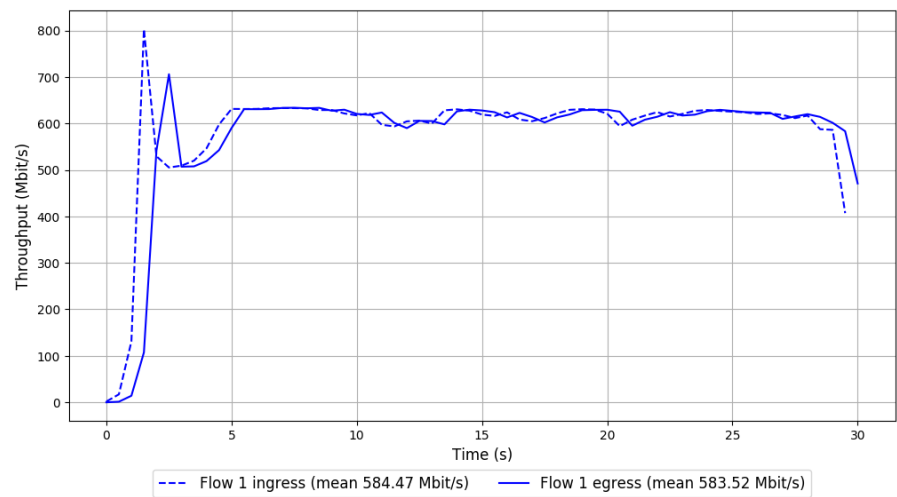
-- Flow 1:

Average throughput: 583.52 Mbit/s

95th percentile per-packet one-way delay: 62.714 ms

Loss rate: 0.16%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-07 00:35:54

End at: 2018-06-07 00:36:24

Local clock offset: 0.173 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-06-07 04:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 571.80 Mbit/s

95th percentile per-packet one-way delay: 74.955 ms

Loss rate: 0.28%

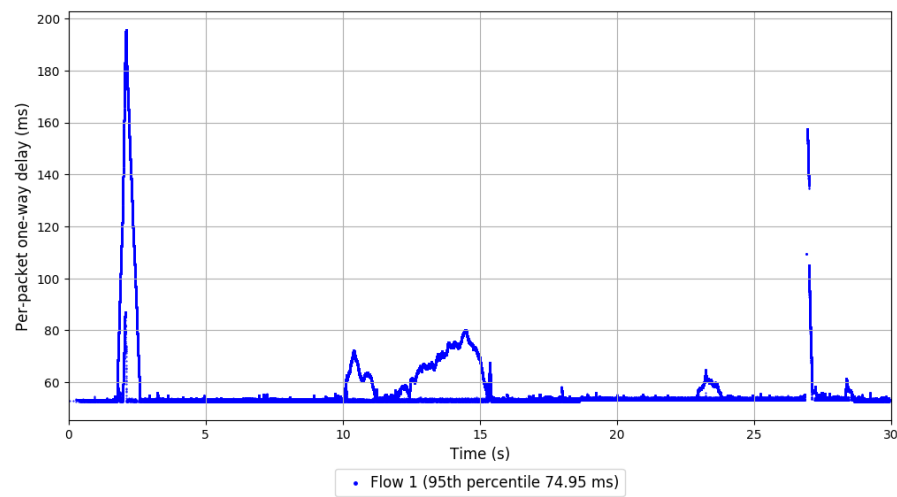
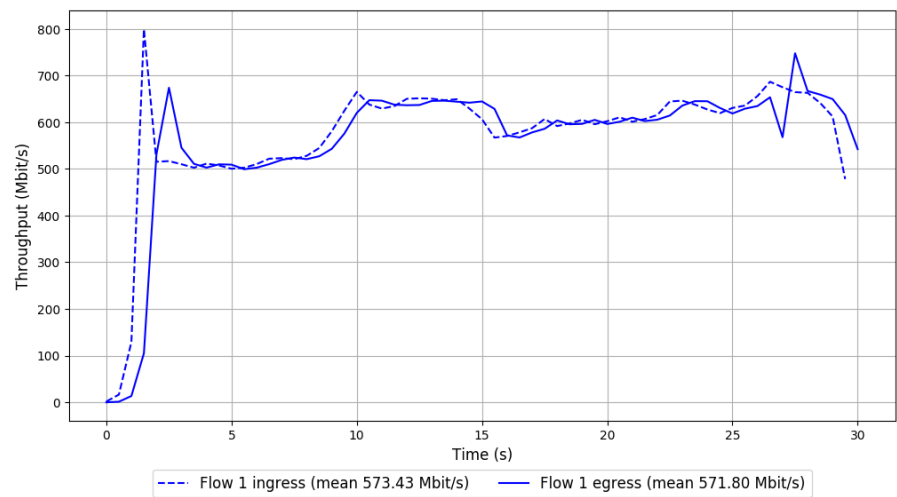
-- Flow 1:

Average throughput: 571.80 Mbit/s

95th percentile per-packet one-way delay: 74.955 ms

Loss rate: 0.28%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-07 00:56:22

End at: 2018-06-07 00:56:52

Local clock offset: 0.026 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-07 04:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.14 Mbit/s

95th percentile per-packet one-way delay: 76.704 ms

Loss rate: 0.36%

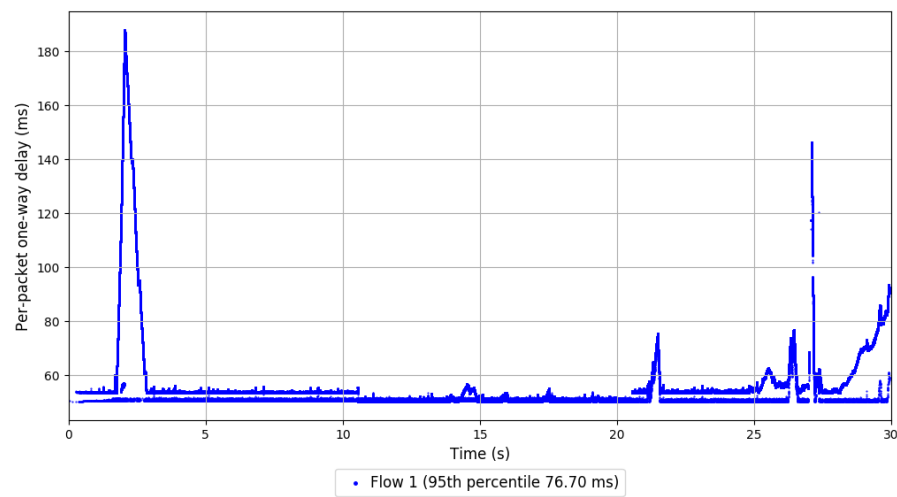
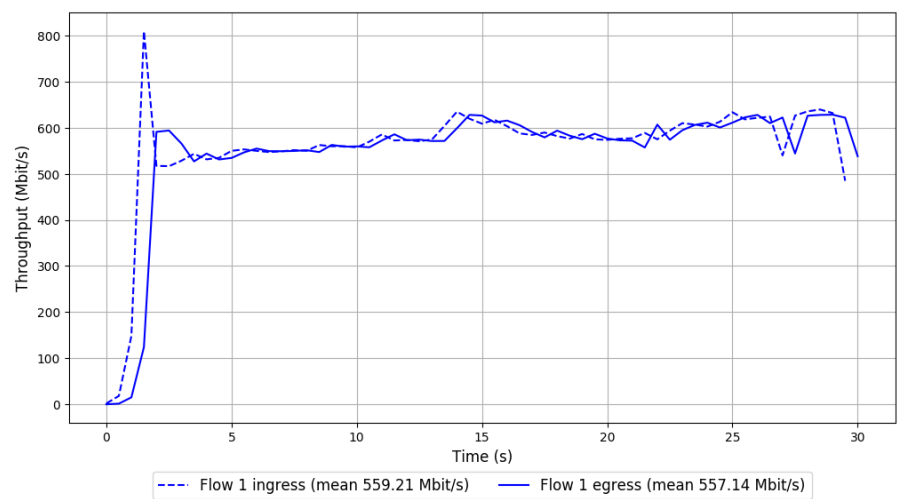
-- Flow 1:

Average throughput: 557.14 Mbit/s

95th percentile per-packet one-way delay: 76.704 ms

Loss rate: 0.36%

Run 3: Report of PCC-Allegro — Data Link

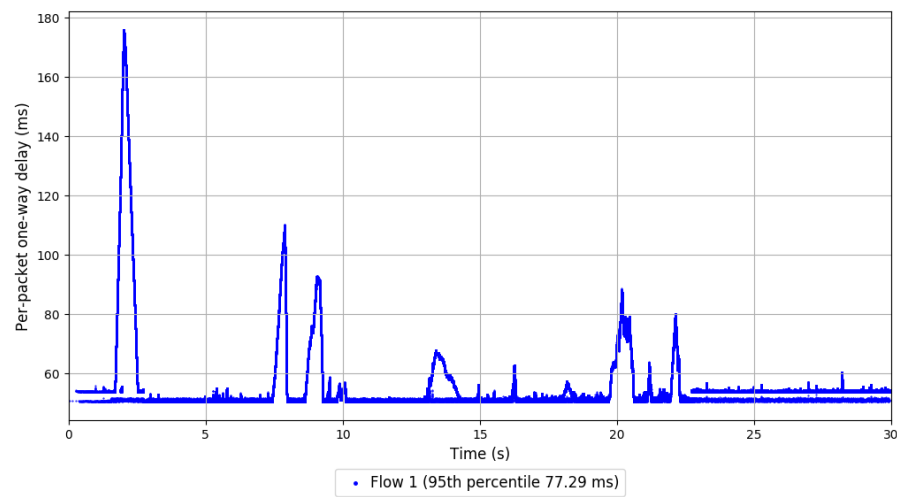
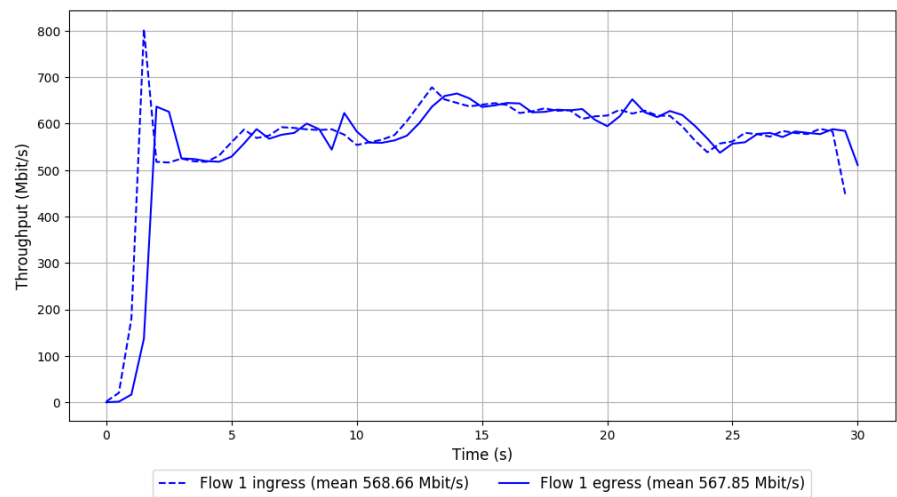


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-07 01:16:49
End at: 2018-06-07 01:17:20
Local clock offset: -0.205 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-07 04:20:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 567.85 Mbit/s
95th percentile per-packet one-way delay: 77.289 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 567.85 Mbit/s
95th percentile per-packet one-way delay: 77.289 ms
Loss rate: 0.13%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-07 01:37:35

End at: 2018-06-07 01:38:05

Local clock offset: -0.172 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-07 04:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 578.61 Mbit/s

95th percentile per-packet one-way delay: 114.340 ms

Loss rate: 0.53%

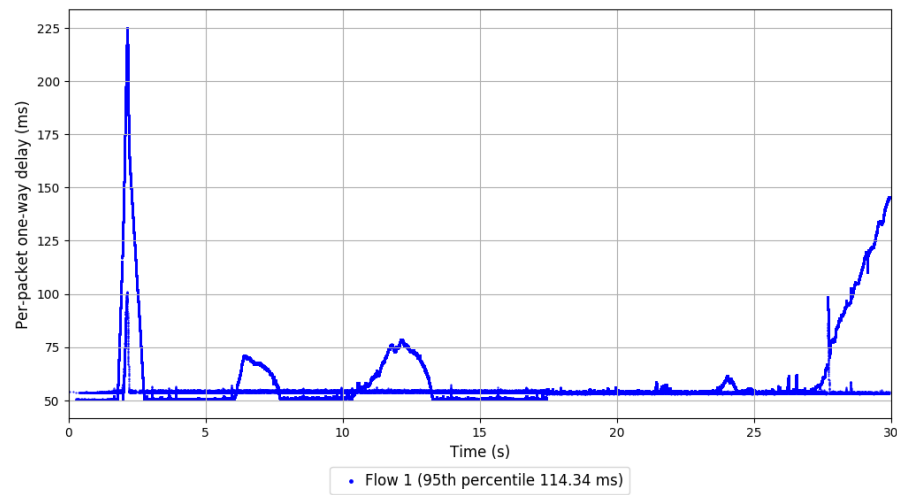
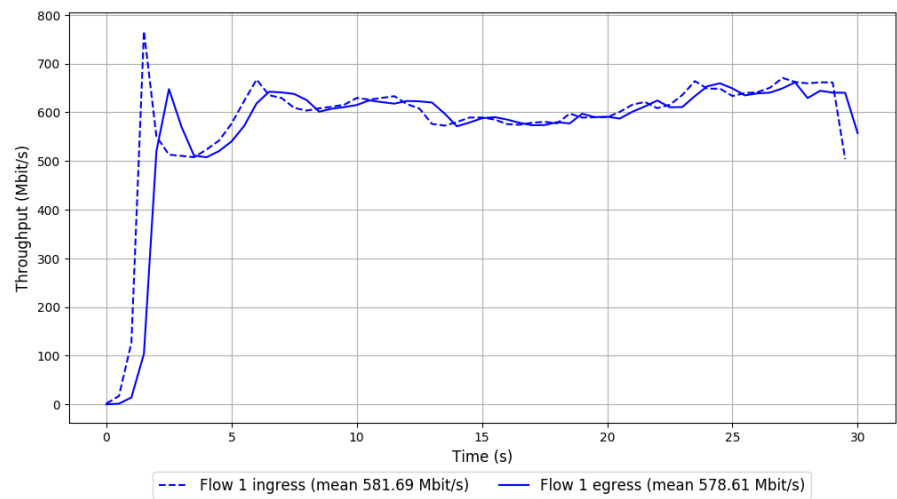
-- Flow 1:

Average throughput: 578.61 Mbit/s

95th percentile per-packet one-way delay: 114.340 ms

Loss rate: 0.53%

Run 5: Report of PCC-Allegro — Data Link

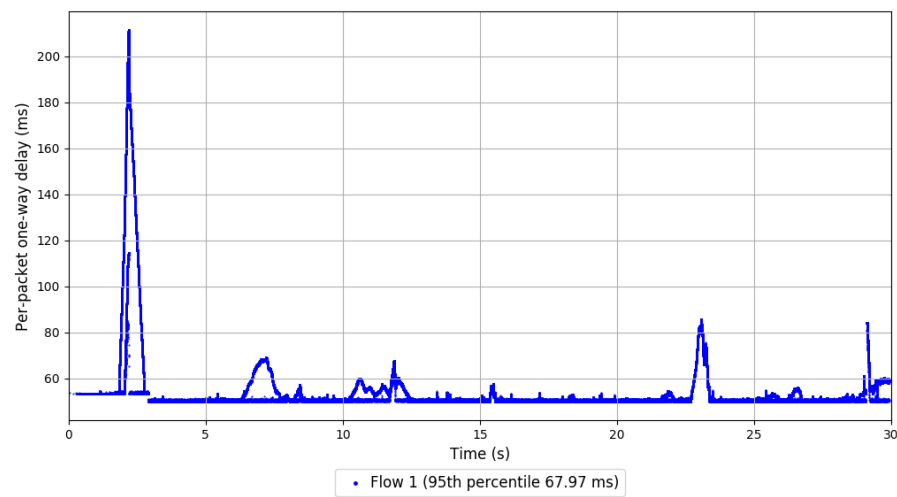
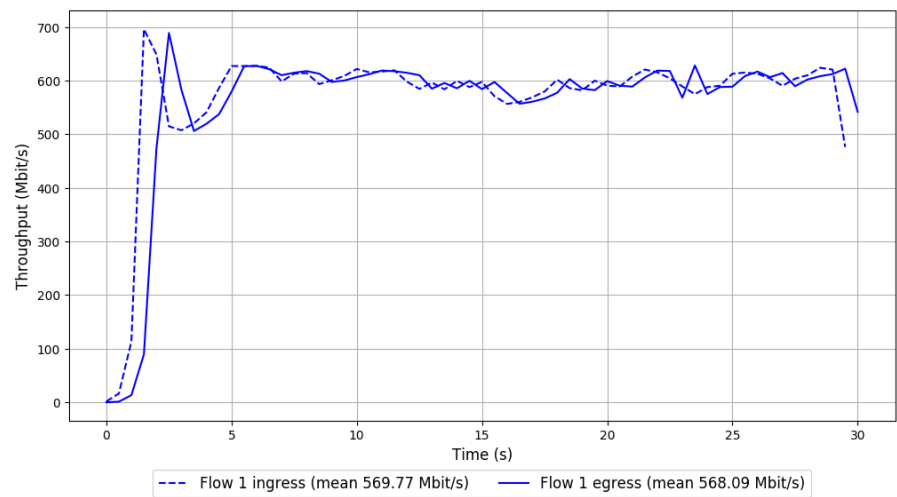


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-07 01:58:19
End at: 2018-06-07 01:58:49
Local clock offset: -0.011 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-06-07 04:21:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 568.09 Mbit/s
95th percentile per-packet one-way delay: 67.969 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 568.09 Mbit/s
95th percentile per-packet one-way delay: 67.969 ms
Loss rate: 0.29%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-07 02:18:32

End at: 2018-06-07 02:19:02

Local clock offset: -0.143 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2018-06-07 04:28:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 591.46 Mbit/s

95th percentile per-packet one-way delay: 119.201 ms

Loss rate: 0.15%

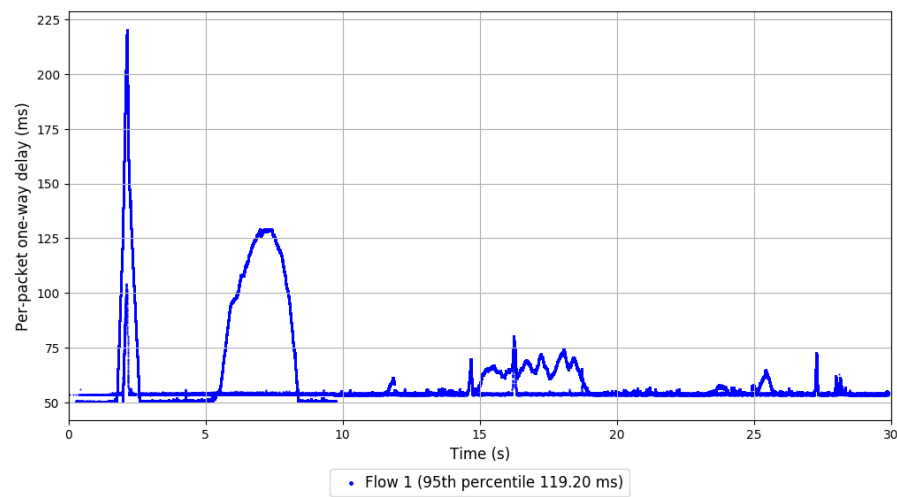
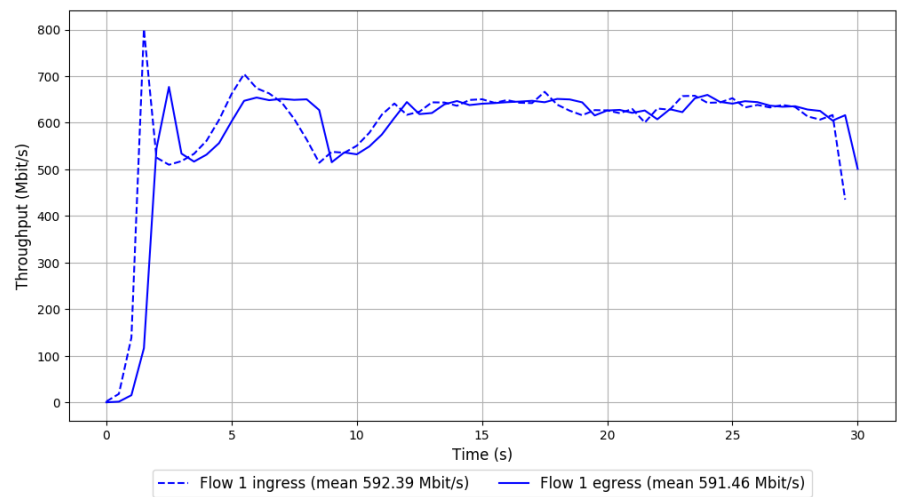
-- Flow 1:

Average throughput: 591.46 Mbit/s

95th percentile per-packet one-way delay: 119.201 ms

Loss rate: 0.15%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-07 02:39:01

End at: 2018-06-07 02:39:31

Local clock offset: -0.212 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-06-07 04:28:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 600.49 Mbit/s

95th percentile per-packet one-way delay: 116.542 ms

Loss rate: 0.22%

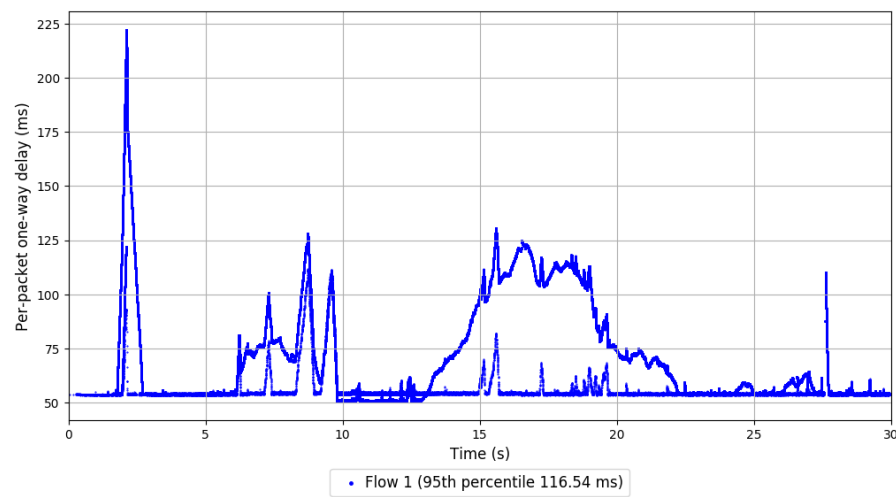
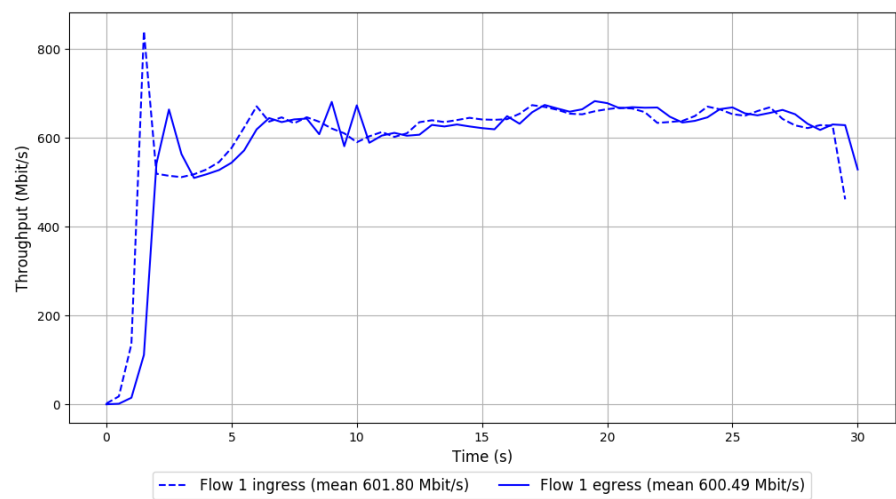
-- Flow 1:

Average throughput: 600.49 Mbit/s

95th percentile per-packet one-way delay: 116.542 ms

Loss rate: 0.22%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-07 02:59:34

End at: 2018-06-07 03:00:04

Local clock offset: 0.011 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2018-06-07 04:30:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 586.50 Mbit/s

95th percentile per-packet one-way delay: 109.198 ms

Loss rate: 0.20%

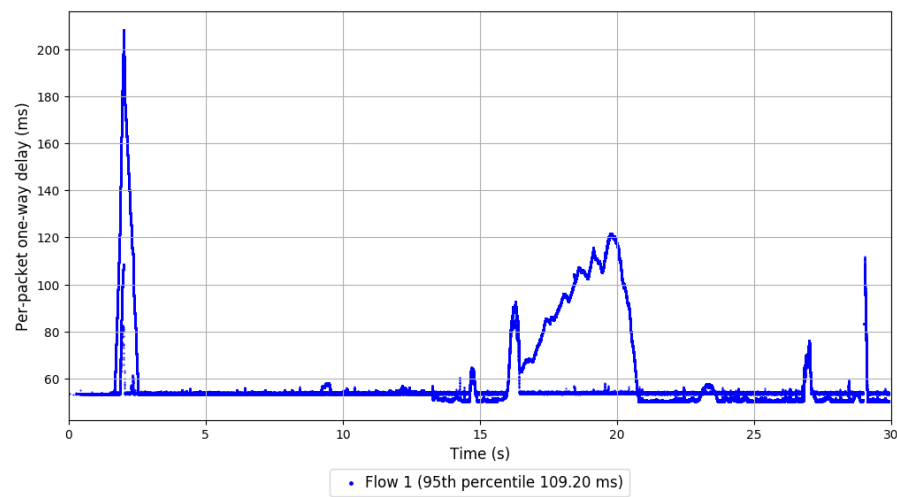
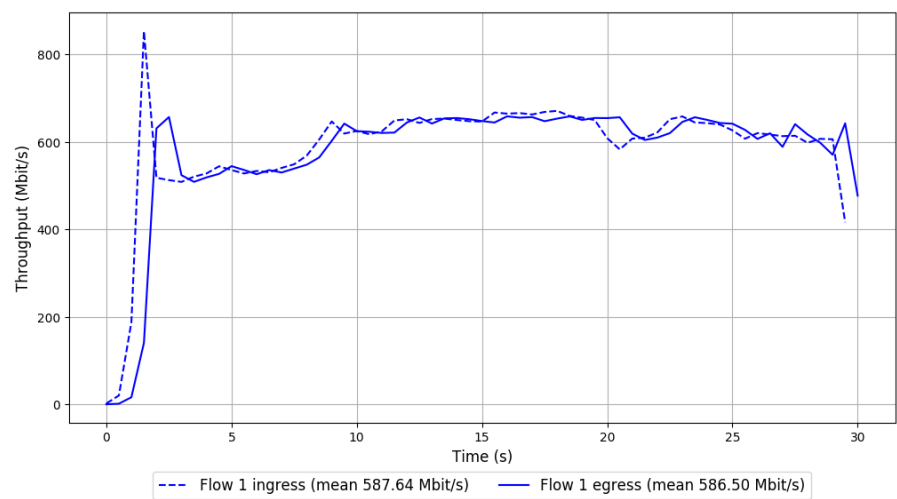
-- Flow 1:

Average throughput: 586.50 Mbit/s

95th percentile per-packet one-way delay: 109.198 ms

Loss rate: 0.20%

Run 9: Report of PCC-Allegro — Data Link

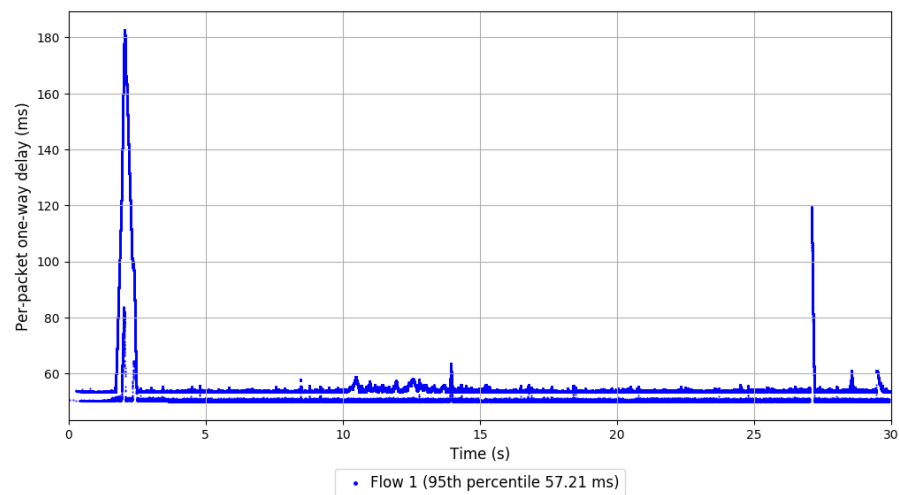
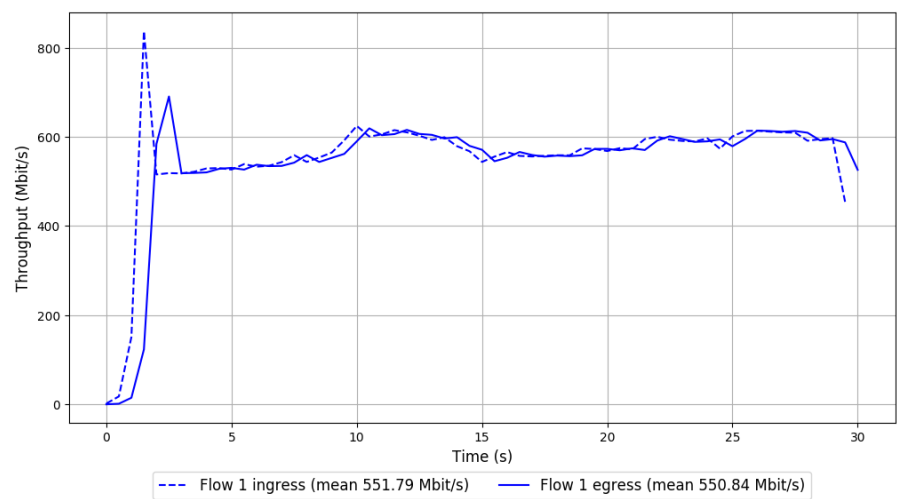


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-07 03:19:44
End at: 2018-06-07 03:20:14
Local clock offset: -0.353 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-06-07 04:30:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 550.84 Mbit/s
95th percentile per-packet one-way delay: 57.211 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 550.84 Mbit/s
95th percentile per-packet one-way delay: 57.211 ms
Loss rate: 0.16%

Run 10: Report of PCC-Allegro — Data Link

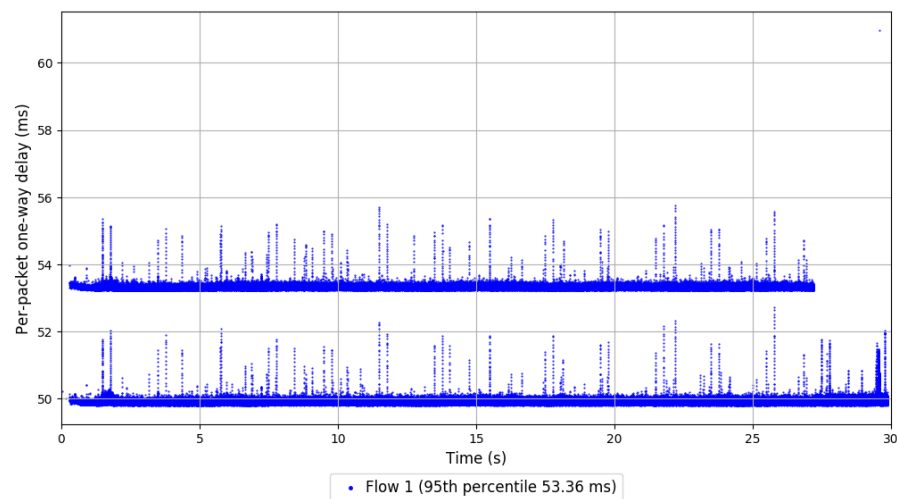
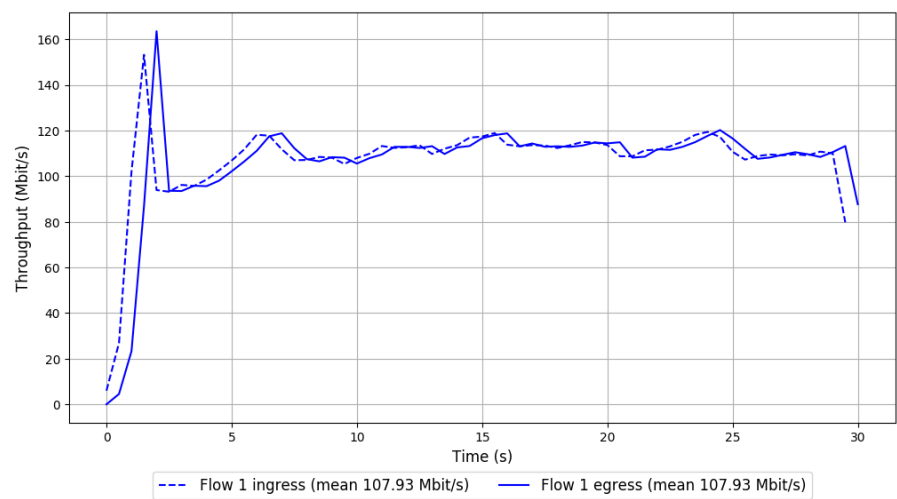


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-07 00:05:35
End at: 2018-06-07 00:06:05
Local clock offset: -0.033 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-07 04:30:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.93 Mbit/s
95th percentile per-packet one-way delay: 53.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.93 Mbit/s
95th percentile per-packet one-way delay: 53.360 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-07 00:25:54

End at: 2018-06-07 00:26:24

Local clock offset: 0.153 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-07 04:32:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.58 Mbit/s

95th percentile per-packet one-way delay: 159.600 ms

Loss rate: 2.63%

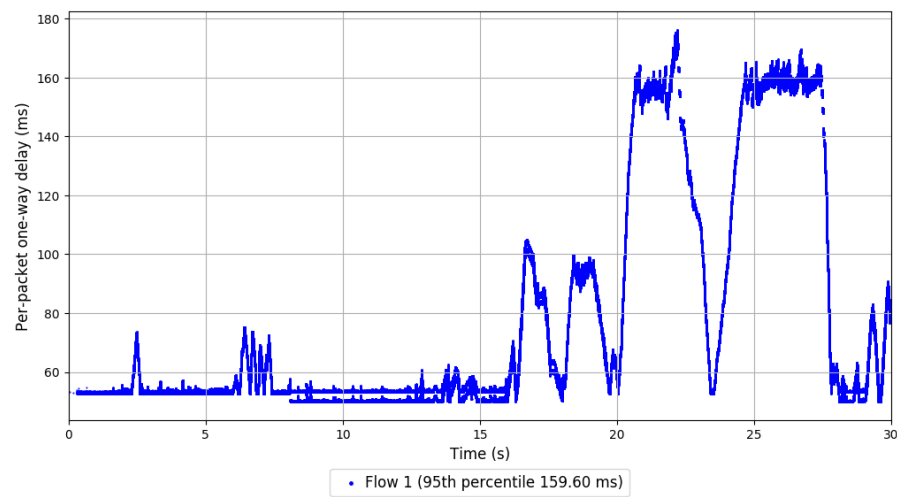
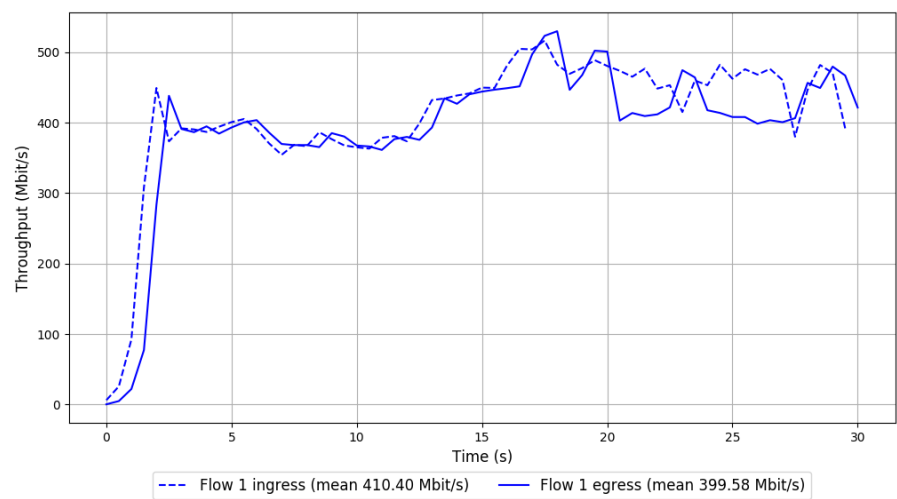
-- Flow 1:

Average throughput: 399.58 Mbit/s

95th percentile per-packet one-way delay: 159.600 ms

Loss rate: 2.63%

Run 2: Report of PCC-Expr — Data Link

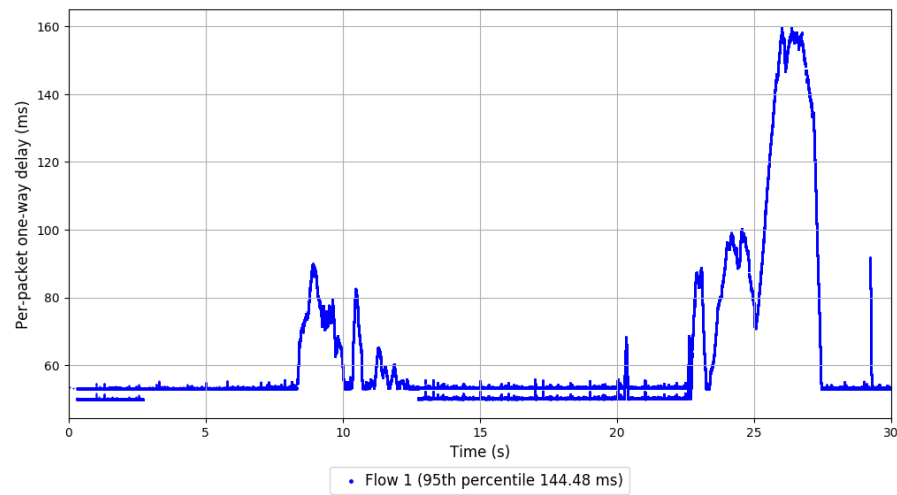
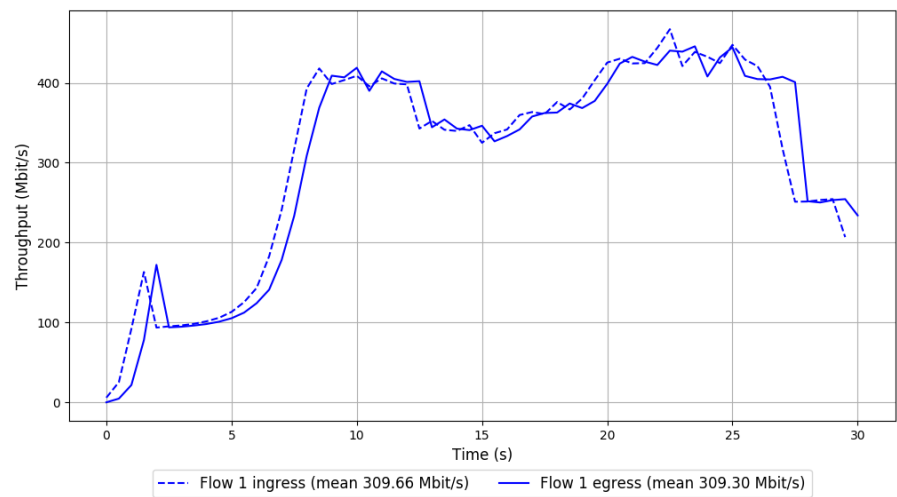


Run 3: Statistics of PCC-Expr

Start at: 2018-06-07 00:46:29
End at: 2018-06-07 00:46:59
Local clock offset: 0.134 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-06-07 04:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.30 Mbit/s
95th percentile per-packet one-way delay: 144.476 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 309.30 Mbit/s
95th percentile per-packet one-way delay: 144.476 ms
Loss rate: 0.12%

Run 3: Report of PCC-Expr — Data Link

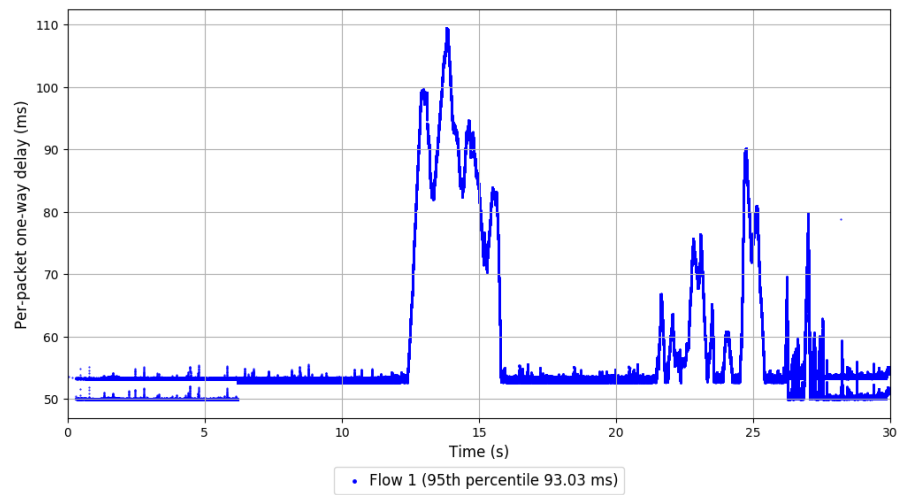
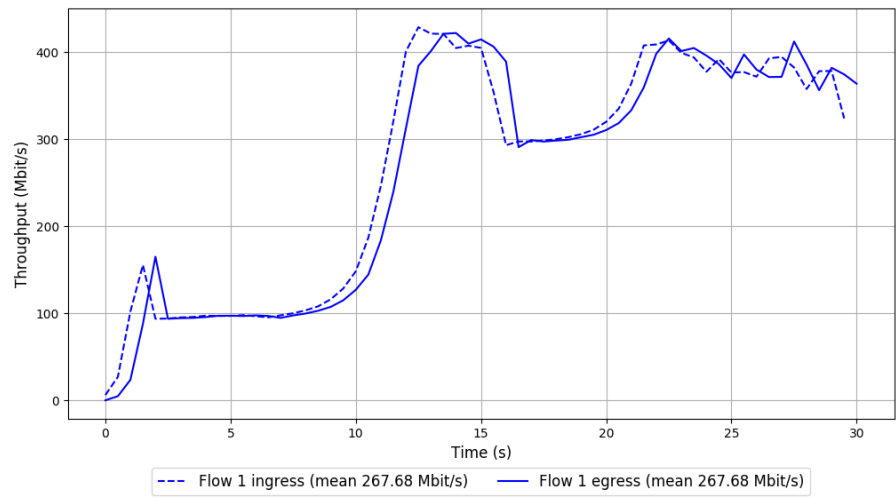


Run 4: Statistics of PCC-Expr

Start at: 2018-06-07 01:06:46
End at: 2018-06-07 01:07:16
Local clock offset: -0.032 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-06-07 04:32:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.68 Mbit/s
95th percentile per-packet one-way delay: 93.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.68 Mbit/s
95th percentile per-packet one-way delay: 93.035 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

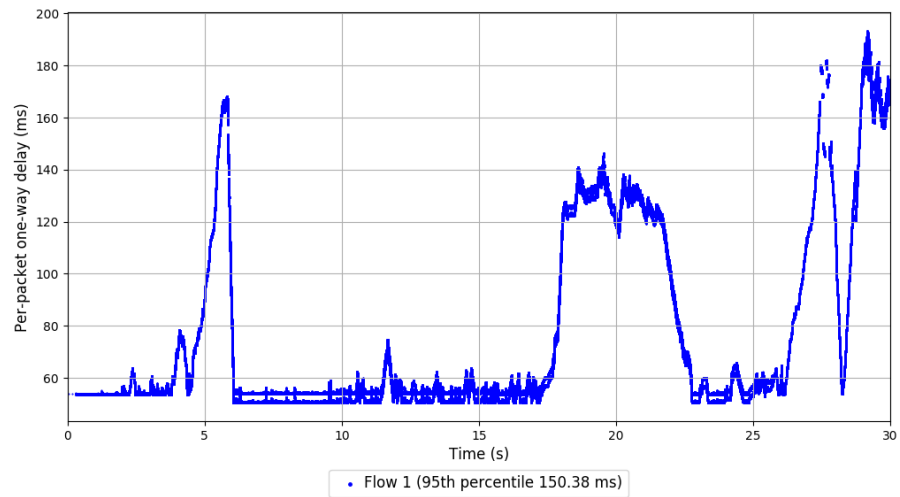
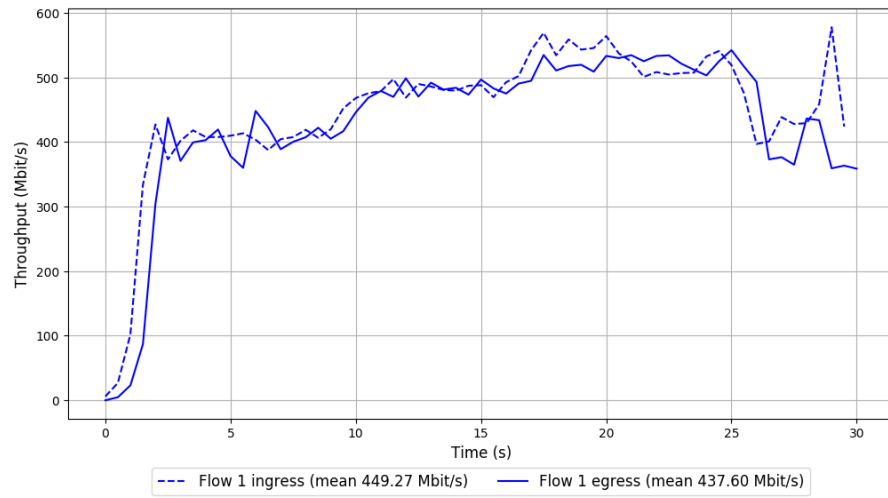


Run 5: Statistics of PCC-Expr

Start at: 2018-06-07 01:27:16
End at: 2018-06-07 01:27:47
Local clock offset: -0.368 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-06-07 04:38:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 437.60 Mbit/s
95th percentile per-packet one-way delay: 150.381 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 437.60 Mbit/s
95th percentile per-packet one-way delay: 150.381 ms
Loss rate: 2.60%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-07 01:48:14

End at: 2018-06-07 01:48:44

Local clock offset: -0.074 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-07 04:39:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.02 Mbit/s

95th percentile per-packet one-way delay: 141.461 ms

Loss rate: 0.83%

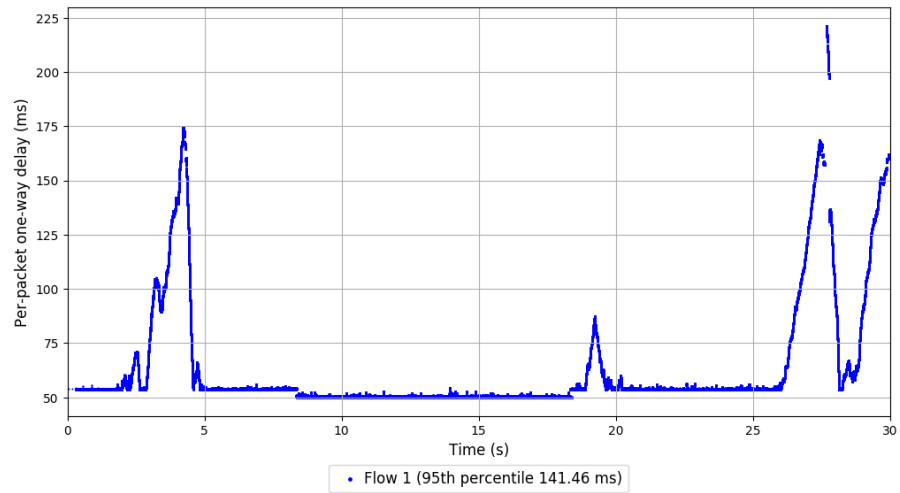
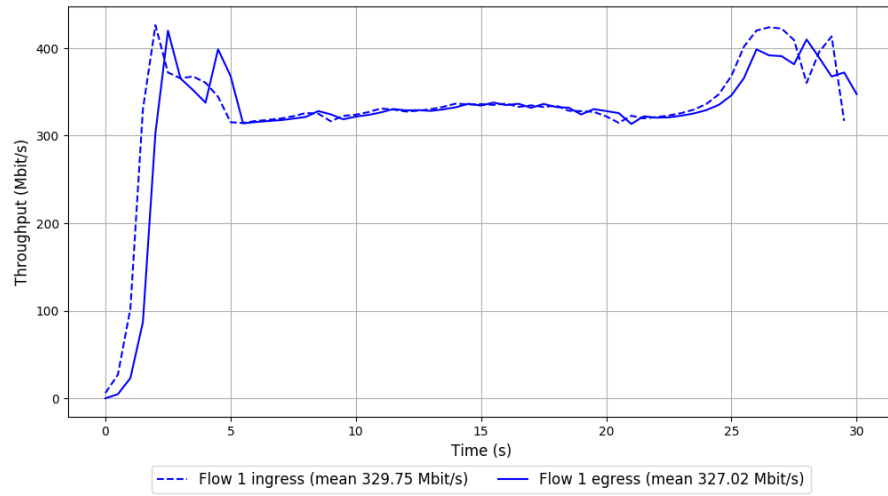
-- Flow 1:

Average throughput: 327.02 Mbit/s

95th percentile per-packet one-way delay: 141.461 ms

Loss rate: 0.83%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-07 02:08:49

End at: 2018-06-07 02:09:19

Local clock offset: -0.082 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-06-07 04:39:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.98 Mbit/s

95th percentile per-packet one-way delay: 60.264 ms

Loss rate: 0.00%

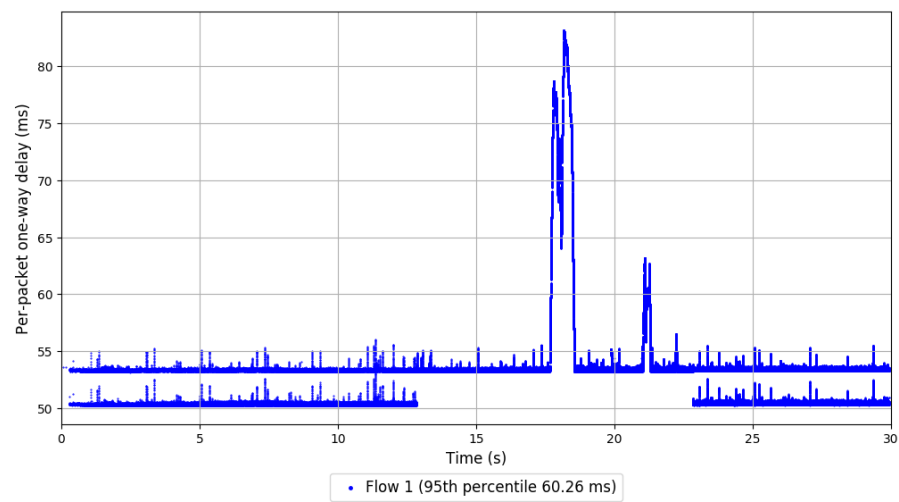
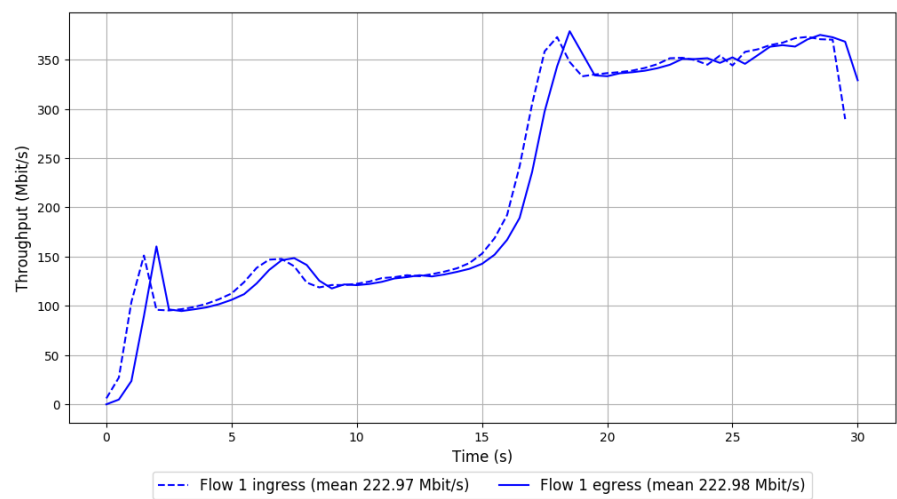
-- Flow 1:

Average throughput: 222.98 Mbit/s

95th percentile per-packet one-way delay: 60.264 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-07 02:28:53

End at: 2018-06-07 02:29:23

Local clock offset: -0.402 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-06-07 04:39:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 165.65 Mbit/s

95th percentile per-packet one-way delay: 77.478 ms

Loss rate: 0.00%

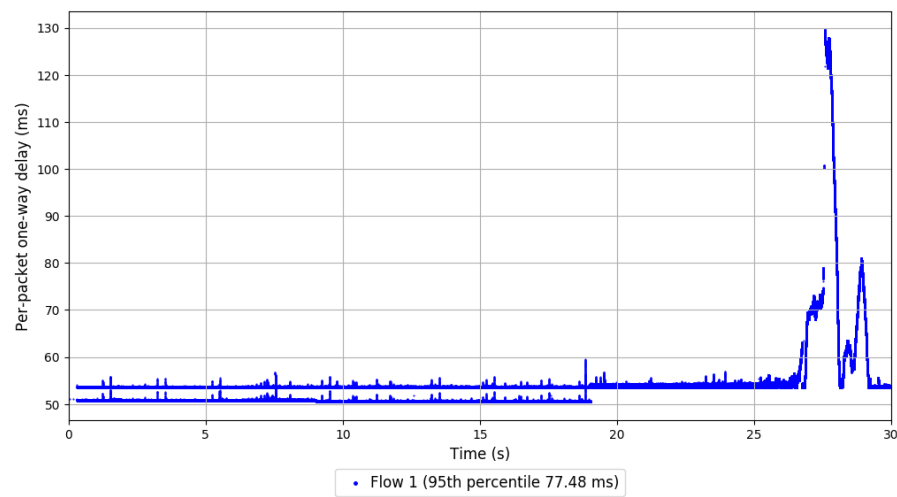
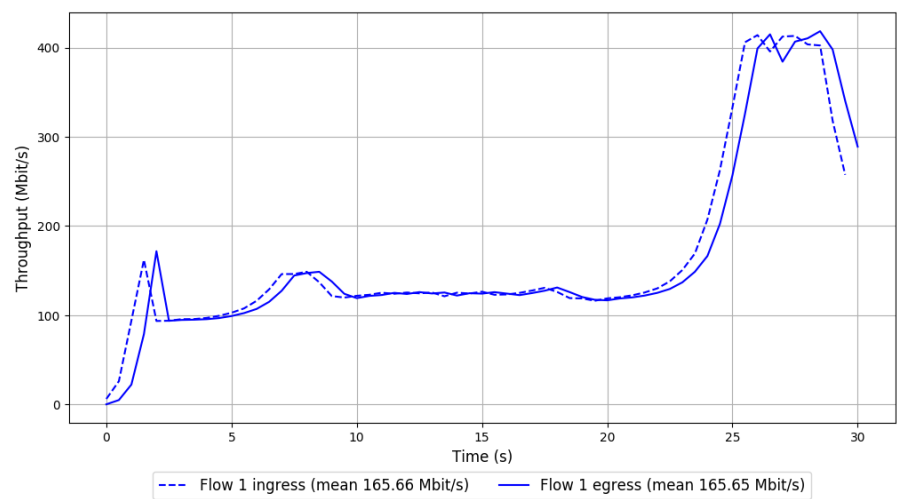
-- Flow 1:

Average throughput: 165.65 Mbit/s

95th percentile per-packet one-way delay: 77.478 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-07 02:49:36

End at: 2018-06-07 02:50:06

Local clock offset: -0.235 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-06-07 04:40:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.88 Mbit/s

95th percentile per-packet one-way delay: 160.925 ms

Loss rate: 1.45%

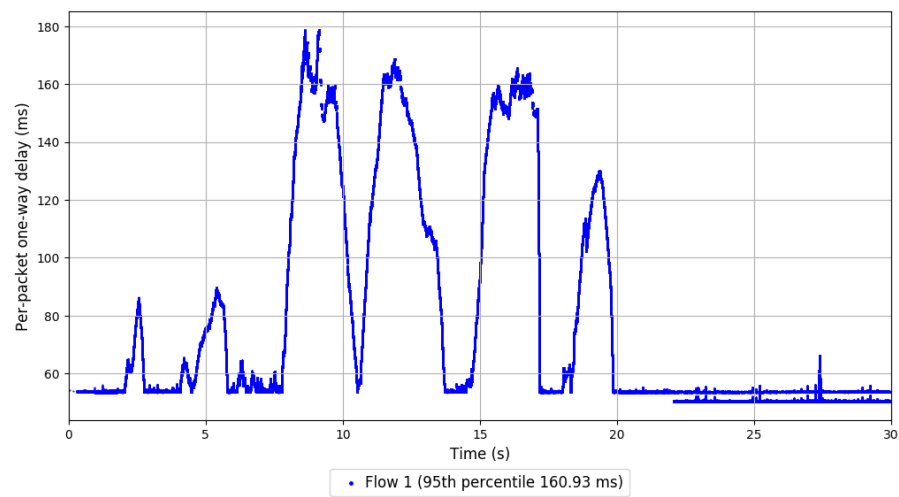
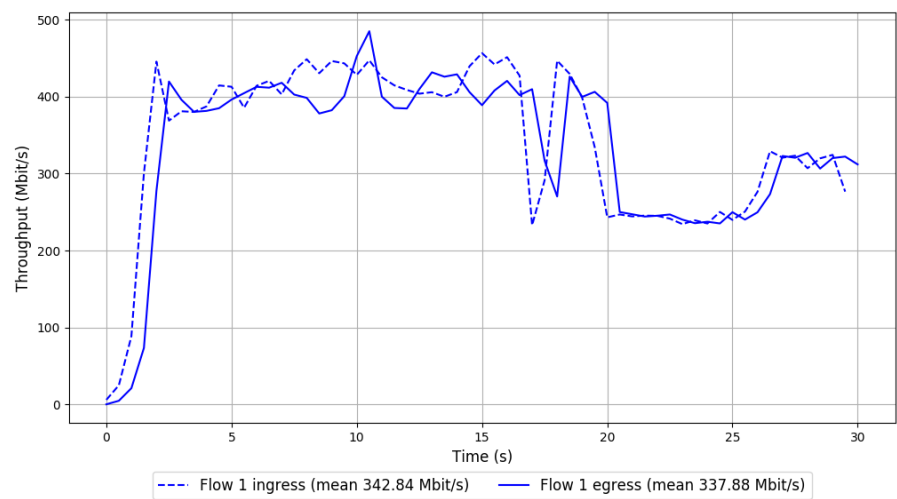
-- Flow 1:

Average throughput: 337.88 Mbit/s

95th percentile per-packet one-way delay: 160.925 ms

Loss rate: 1.45%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-07 03:09:51

End at: 2018-06-07 03:10:21

Local clock offset: -0.075 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.14 Mbit/s

95th percentile per-packet one-way delay: 89.360 ms

Loss rate: 0.00%

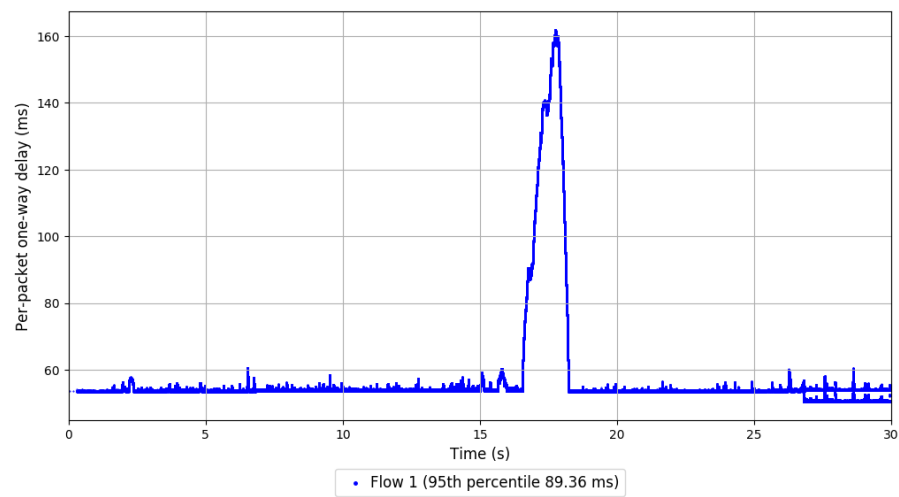
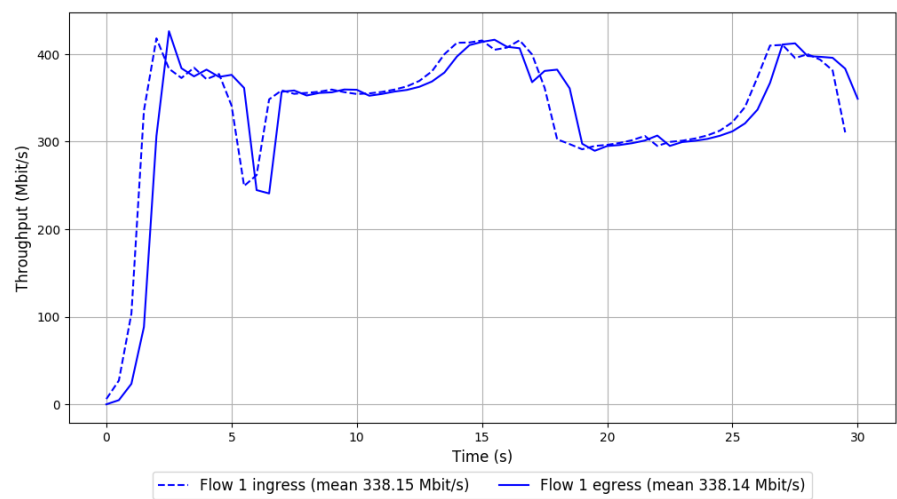
-- Flow 1:

Average throughput: 338.14 Mbit/s

95th percentile per-packet one-way delay: 89.360 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

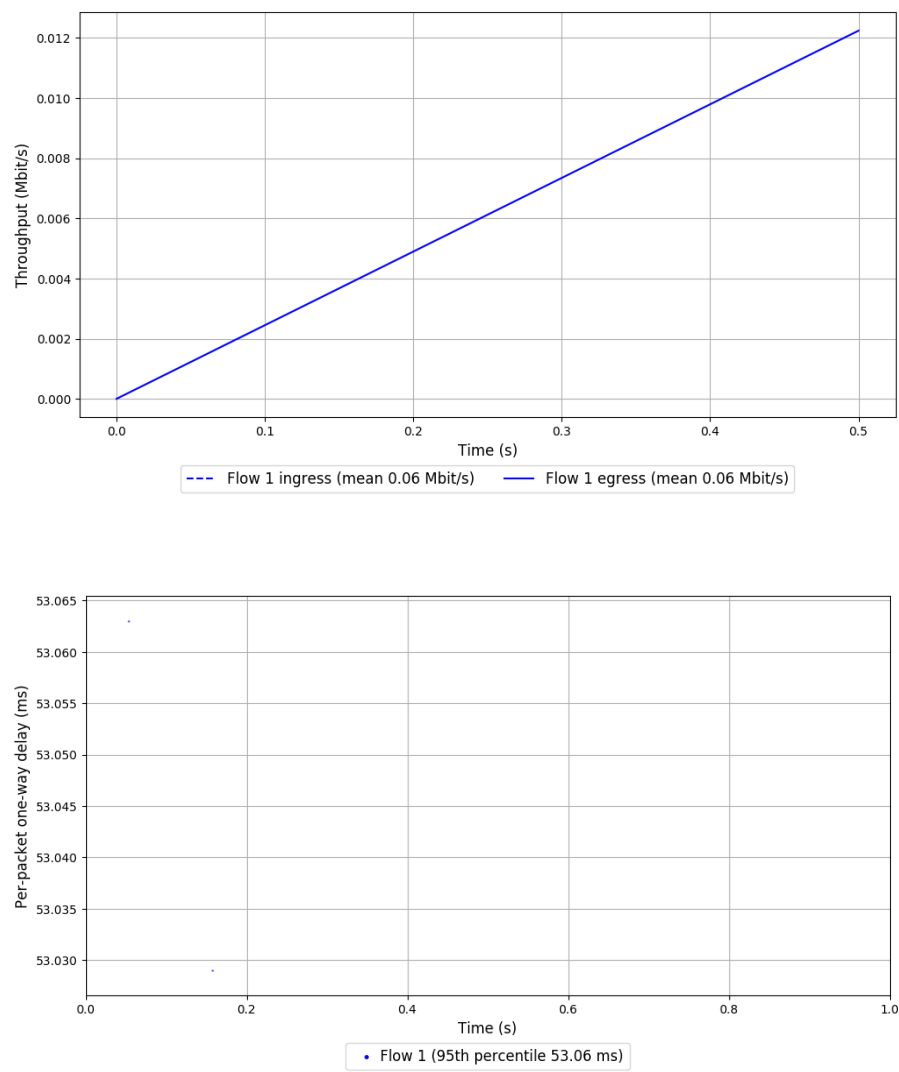
Start at: 2018-06-07 00:06:50

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

Local clock offset: -0.063 ms

Remote clock offset: -0.008 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-07 00:27:28

End at: 2018-06-07 00:27:58

Local clock offset: -0.114 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.04 Mbit/s

95th percentile per-packet one-way delay: 53.644 ms

Loss rate: 0.00%

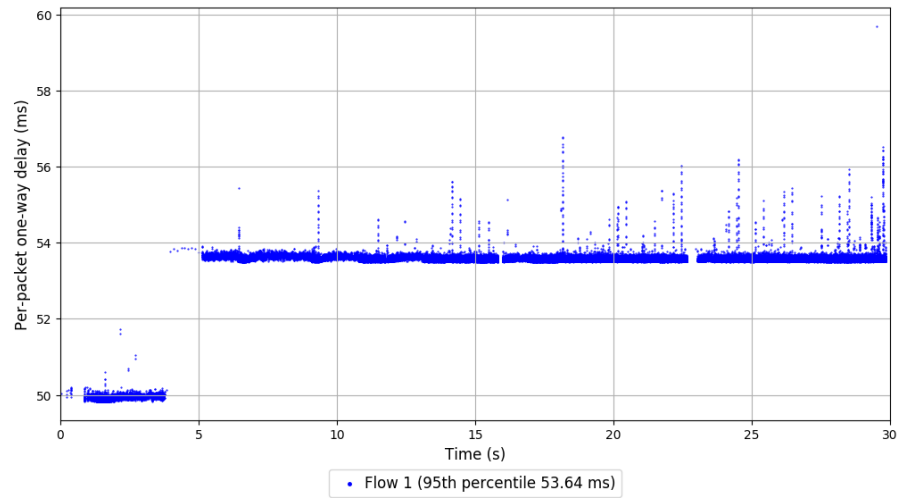
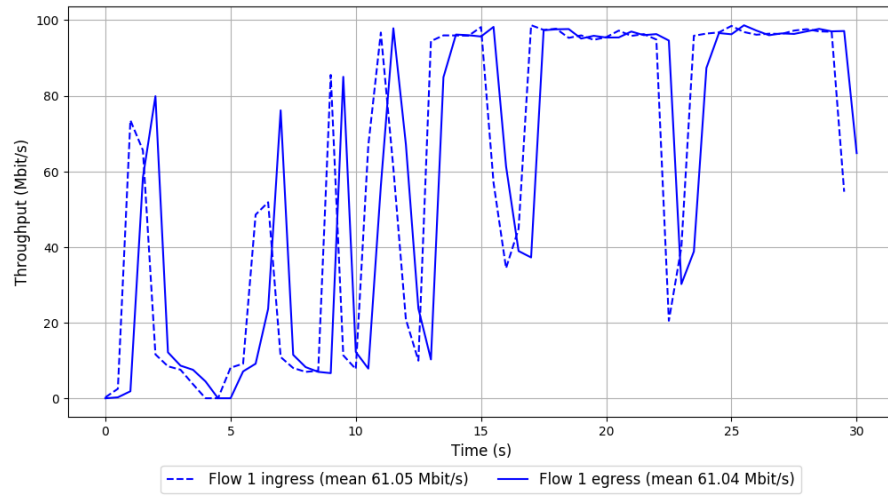
-- Flow 1:

Average throughput: 61.04 Mbit/s

95th percentile per-packet one-way delay: 53.644 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-07 00:47:57

End at: 2018-06-07 00:48:27

Local clock offset: 0.103 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 53.599 ms

Loss rate: 0.00%

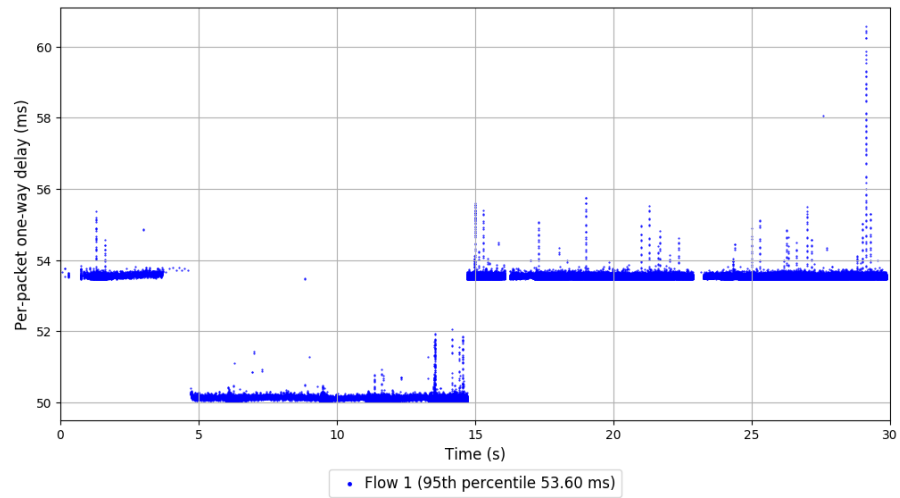
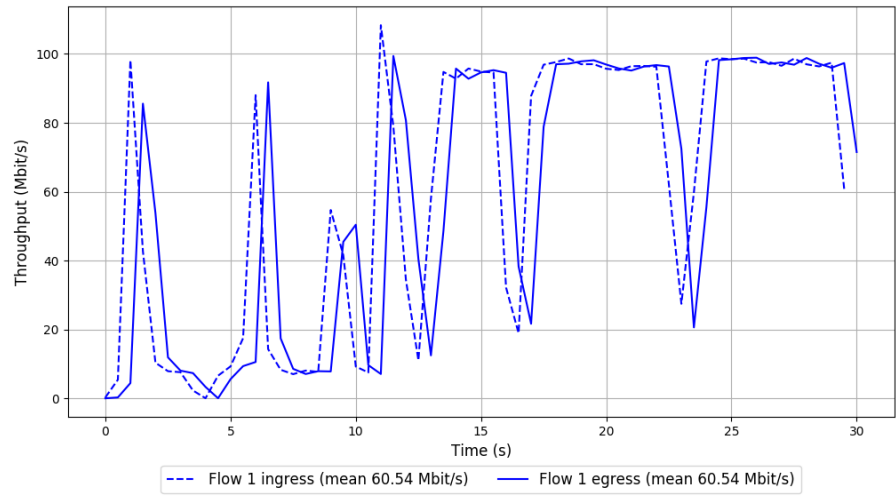
-- Flow 1:

Average throughput: 60.54 Mbit/s

95th percentile per-packet one-way delay: 53.599 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-07 01:08:13

End at: 2018-06-07 01:08:43

Local clock offset: 0.016 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 53.139 ms

Loss rate: 0.00%

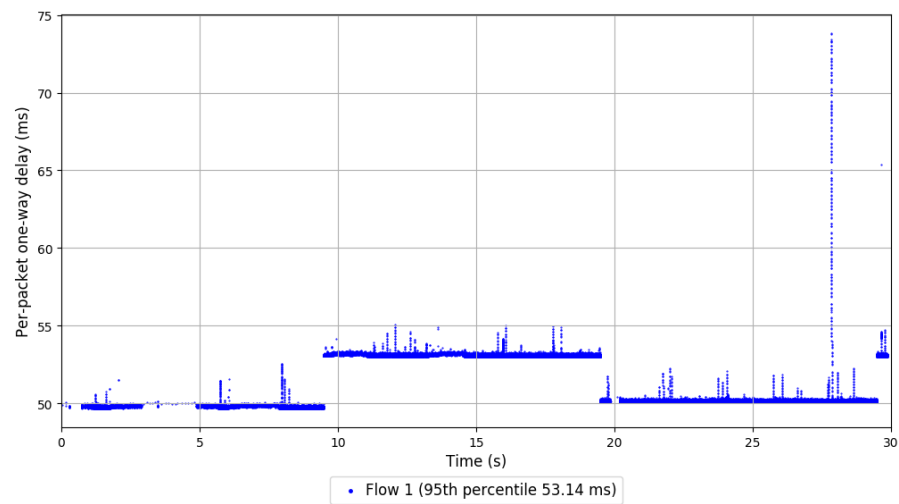
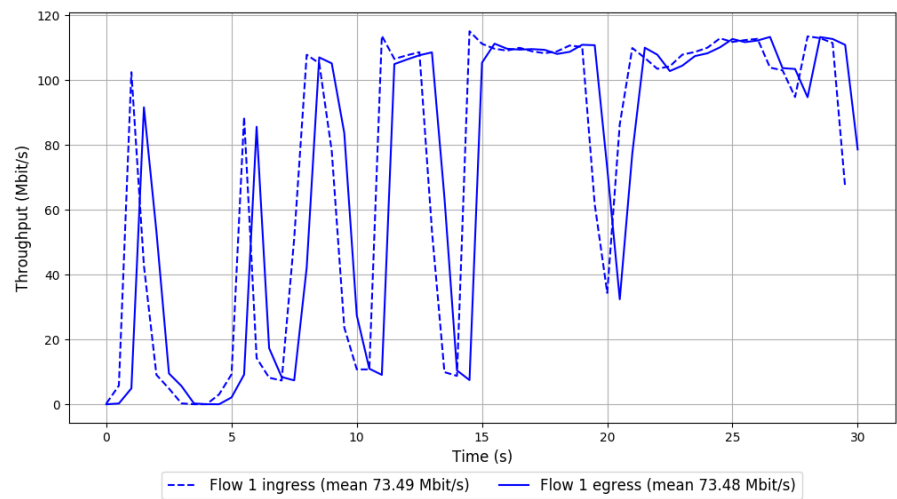
-- Flow 1:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 53.139 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

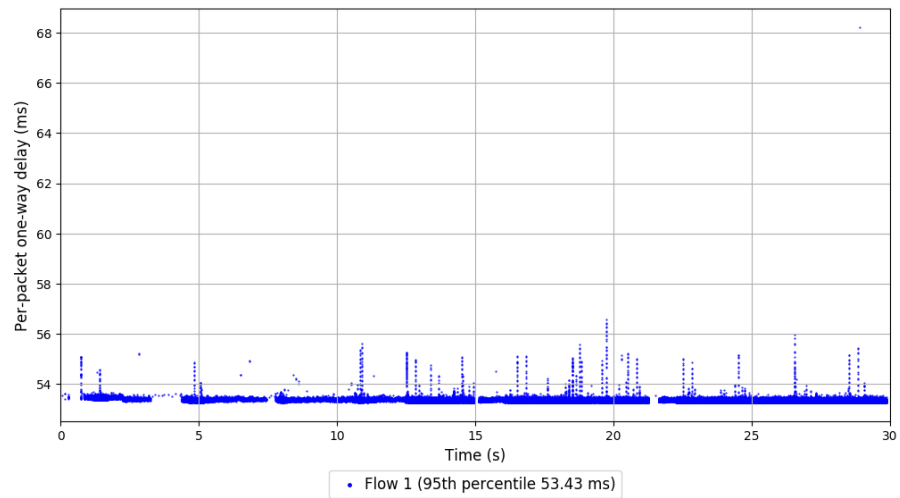
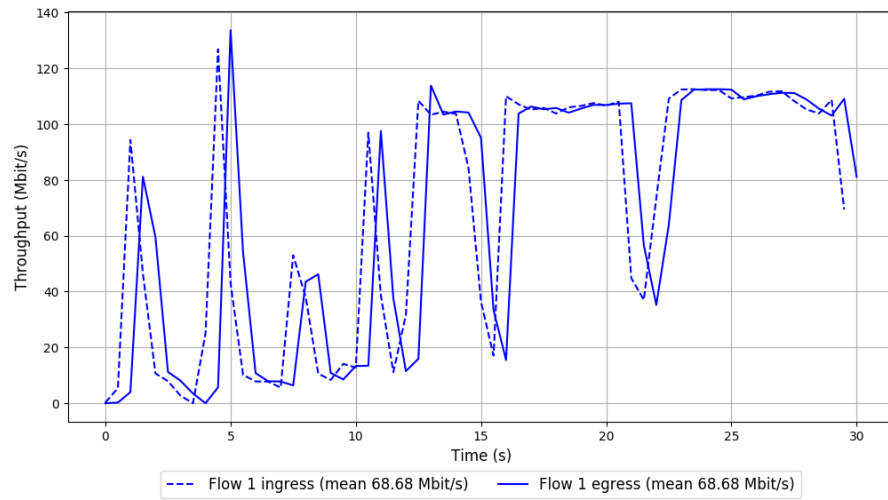


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-07 01:28:50
End at: 2018-06-07 01:29:20
Local clock offset: -0.097 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.68 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.68 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

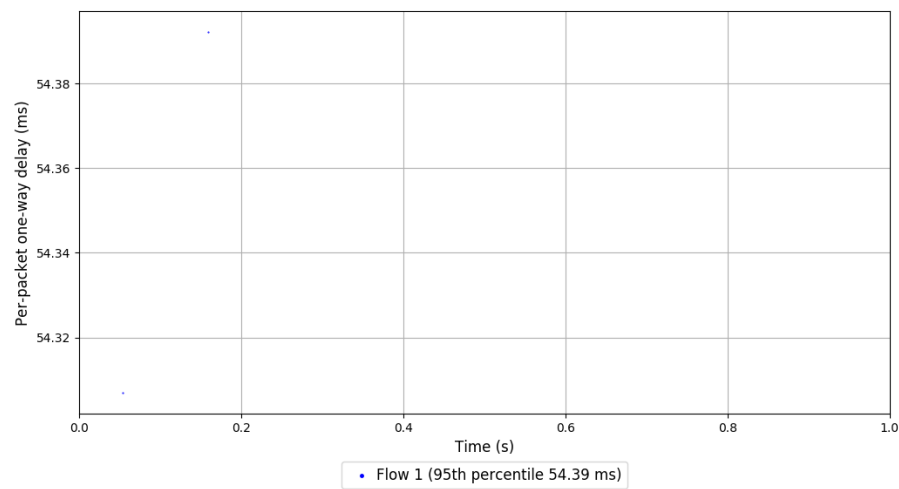
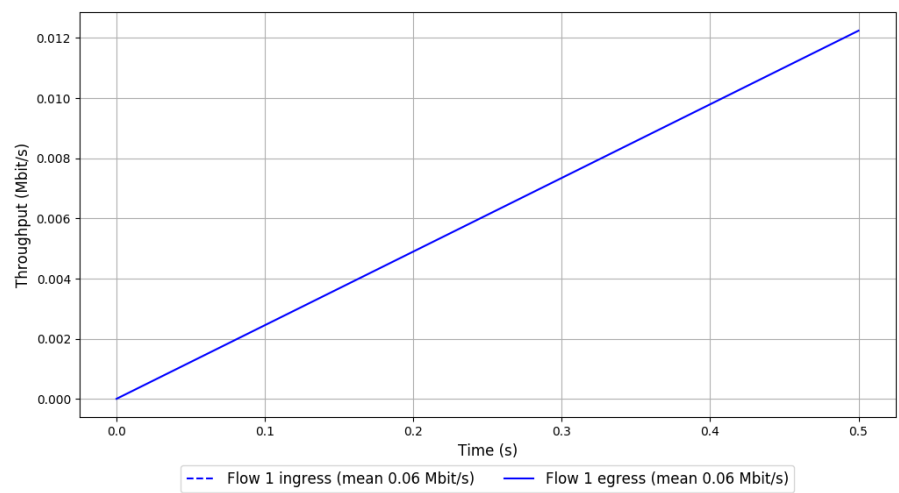
Start at: 2018-06-07 01:49:47

End at: 2018-06-07 01:50:17

Local clock offset: -0.377 ms

Remote clock offset: 0.216 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

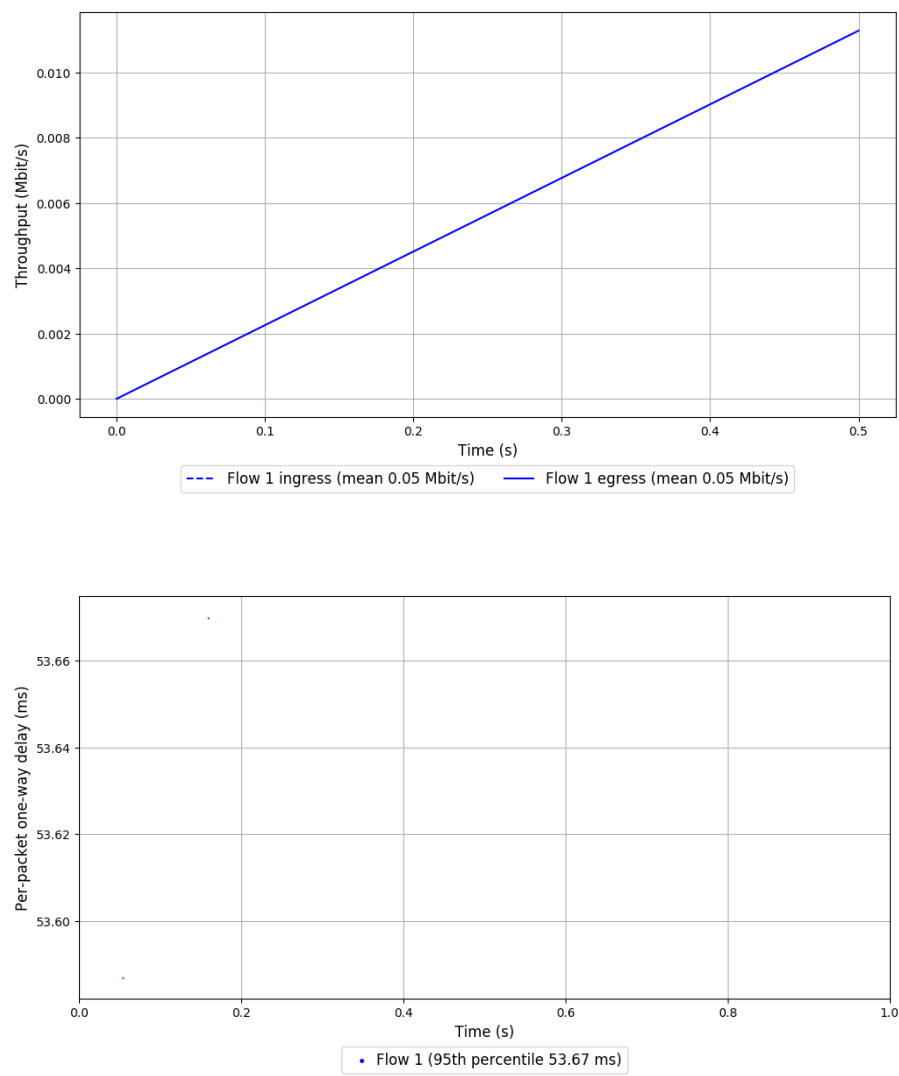
Start at: 2018-06-07 02:10:11

End at: 2018-06-07 02:10:41

Local clock offset: -0.307 ms

Remote clock offset: 0.155 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

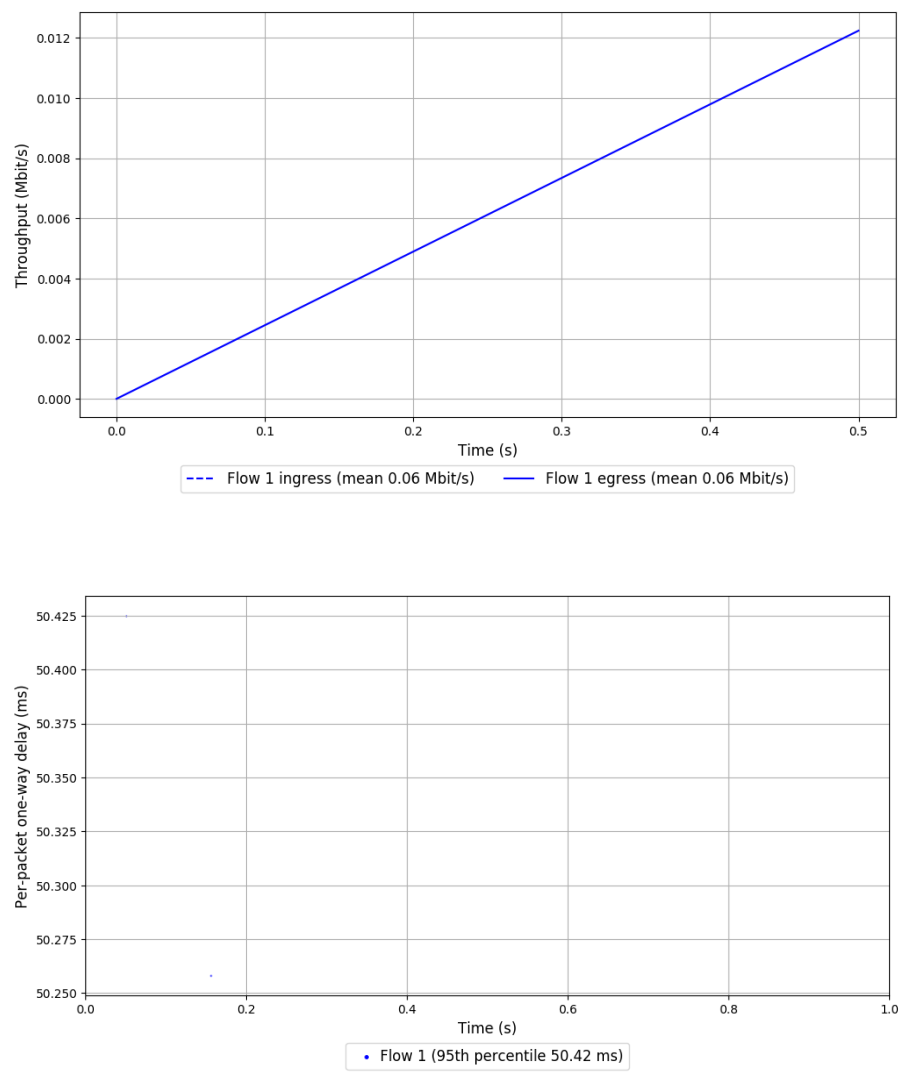
Start at: 2018-06-07 02:30:13

End at: 2018-06-07 02:30:43

Local clock offset: -0.157 ms

Remote clock offset: 0.006 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-07 02:51:07

End at: 2018-06-07 02:51:37

Local clock offset: -0.219 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.82 Mbit/s

95th percentile per-packet one-way delay: 50.324 ms

Loss rate: 0.00%

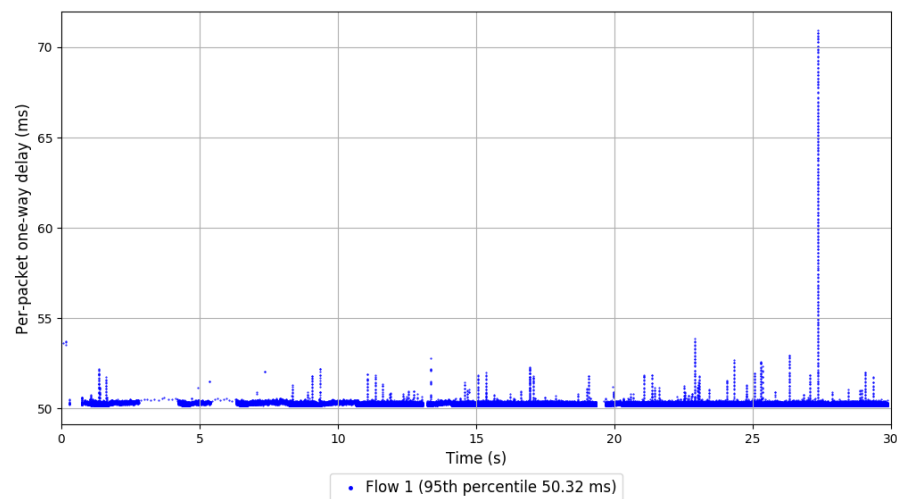
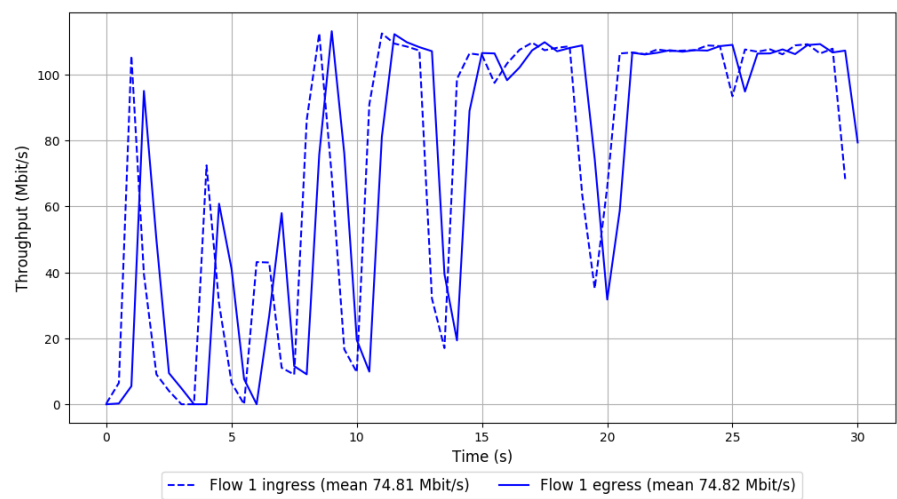
-- Flow 1:

Average throughput: 74.82 Mbit/s

95th percentile per-packet one-way delay: 50.324 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

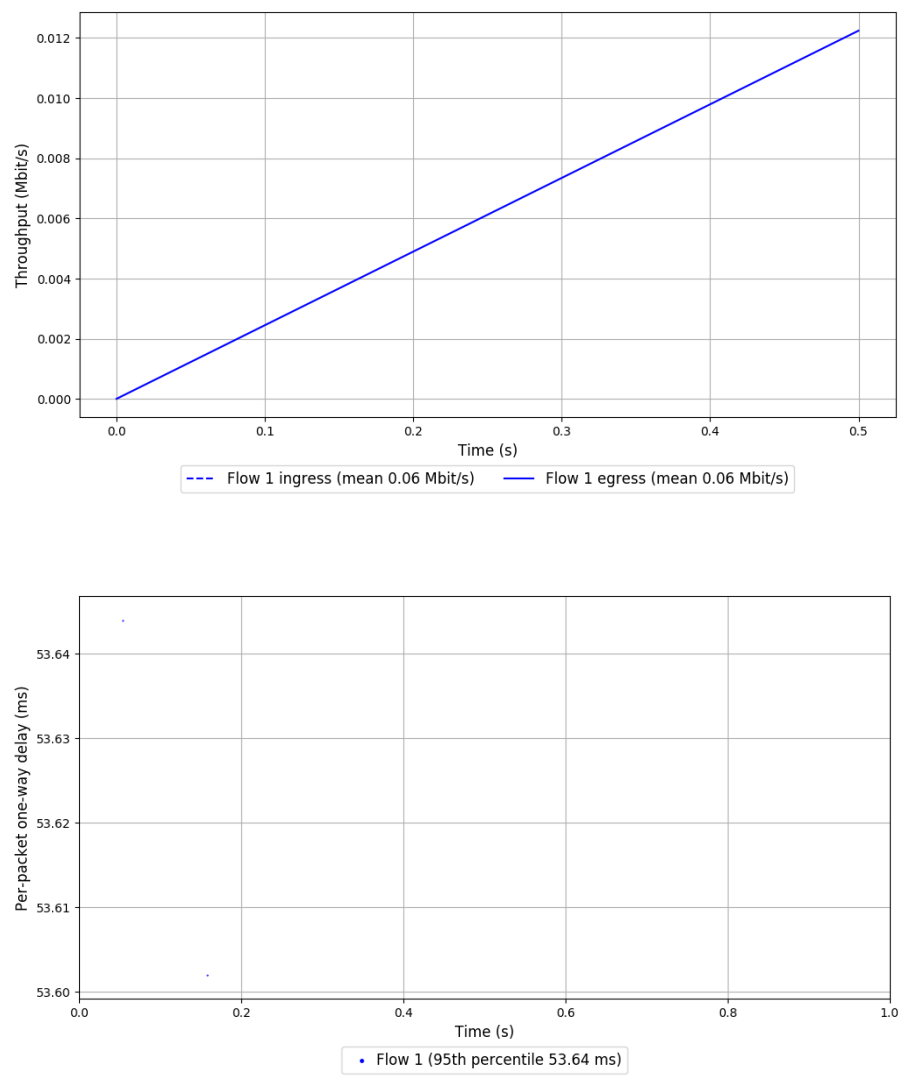
Start at: 2018-06-07 03:11:24

End at: 2018-06-07 03:11:54

Local clock offset: -0.009 ms

Remote clock offset: -0.09 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-06-07 00:19:13

End at: 2018-06-07 00:19:43

Local clock offset: -0.21 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

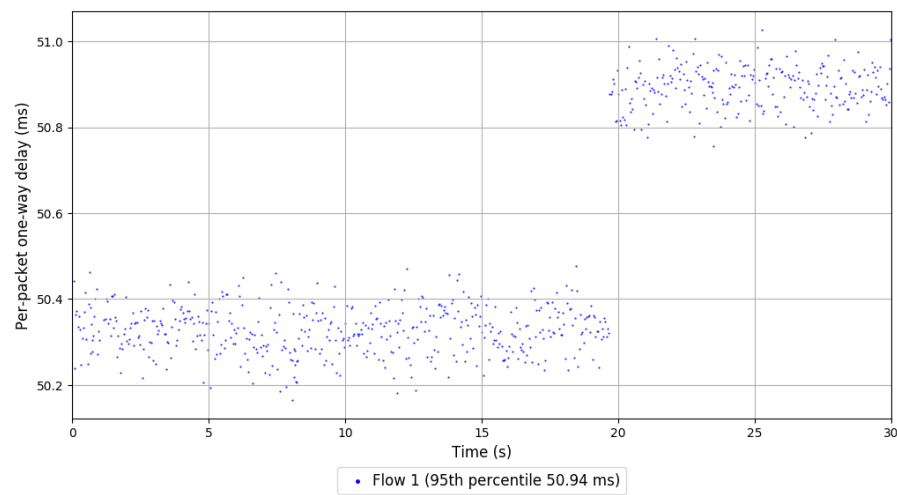
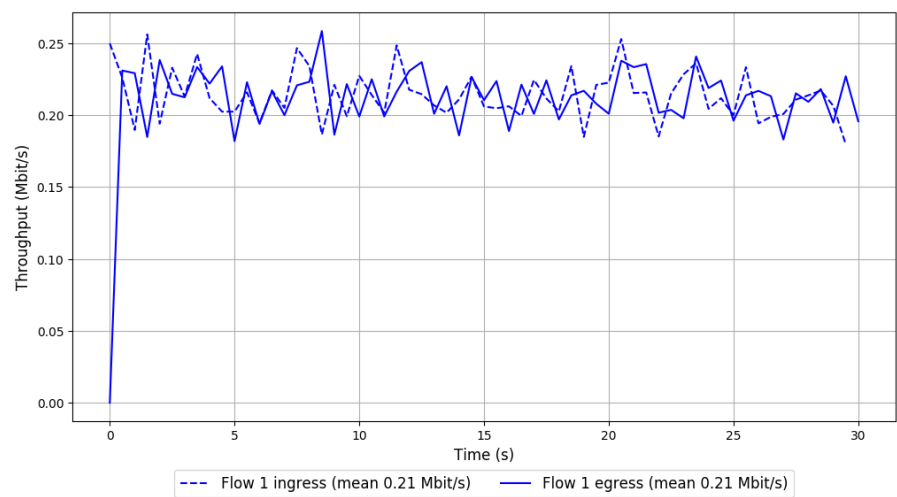
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

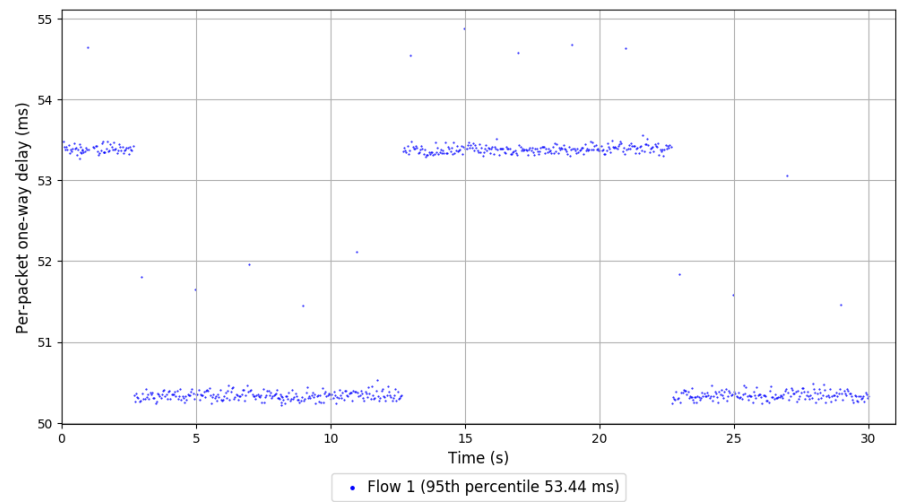
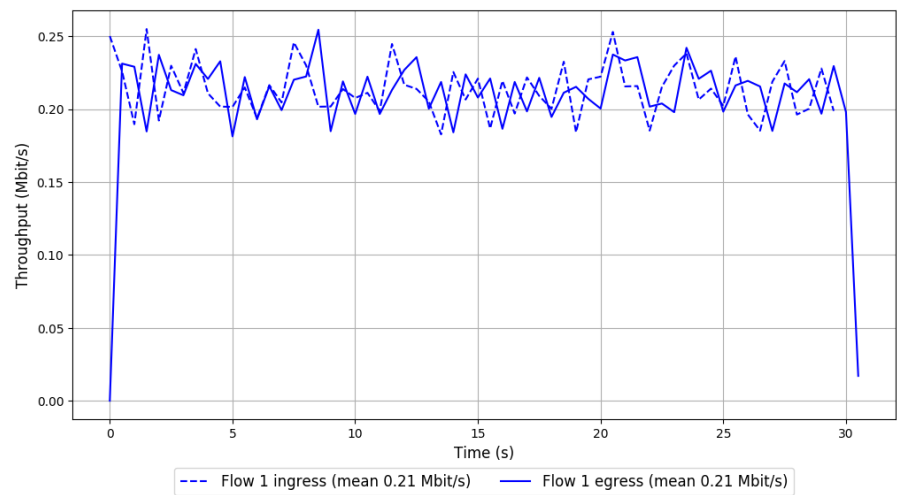


Run 2: Statistics of SCReAM

Start at: 2018-06-07 00:39:50
End at: 2018-06-07 00:40:20
Local clock offset: 0.183 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.444 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

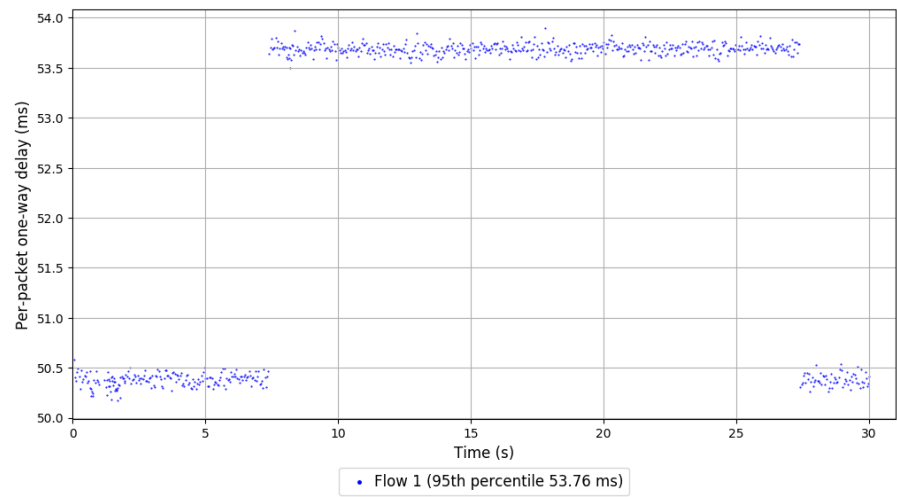
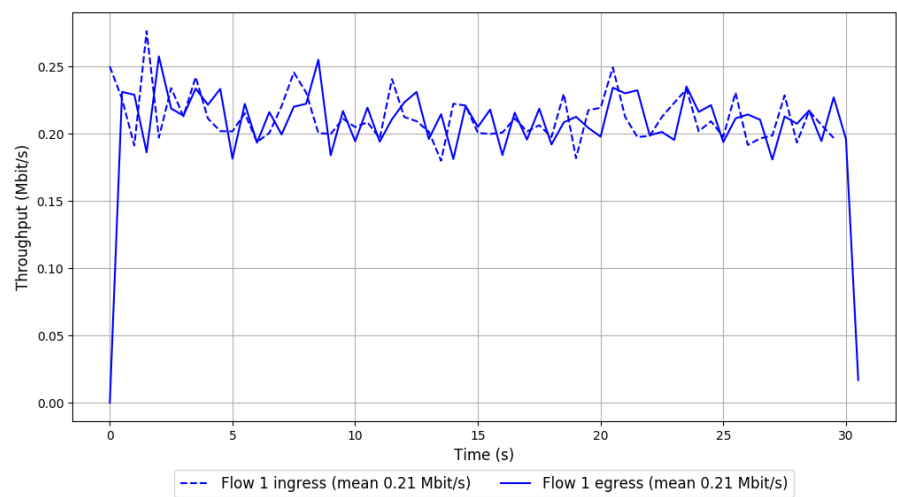


Run 3: Statistics of SCReAM

Start at: 2018-06-07 01:00:15
End at: 2018-06-07 01:00:45
Local clock offset: -0.067 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.758 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.758 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

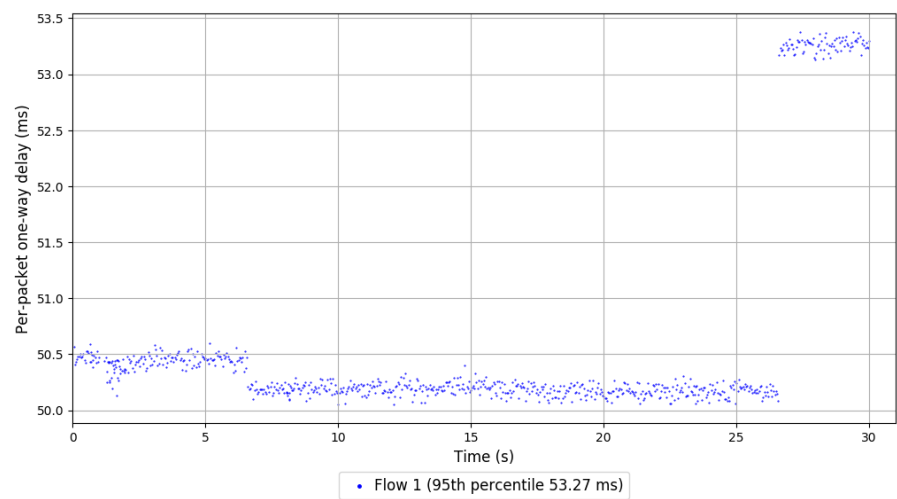
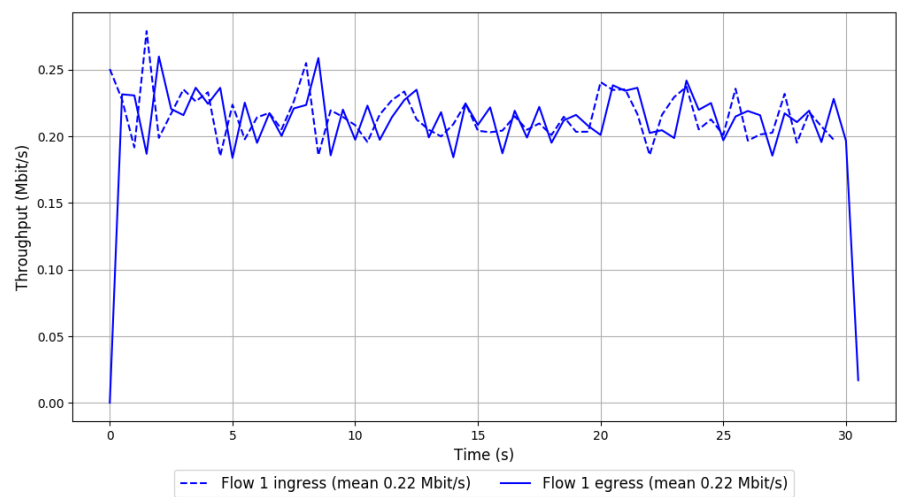


Run 4: Statistics of SCReAM

Start at: 2018-06-07 01:20:46
End at: 2018-06-07 01:21:16
Local clock offset: 0.063 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.271 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-07 01:41:31

End at: 2018-06-07 01:42:01

Local clock offset: -0.146 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

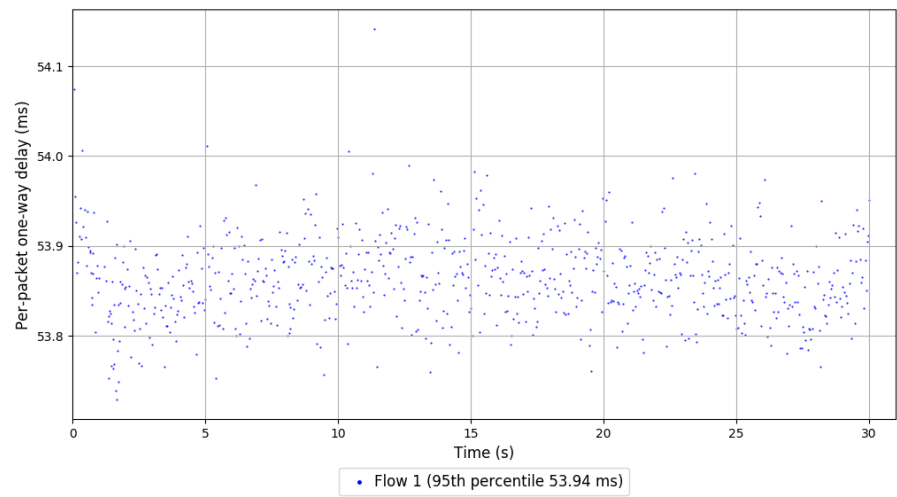
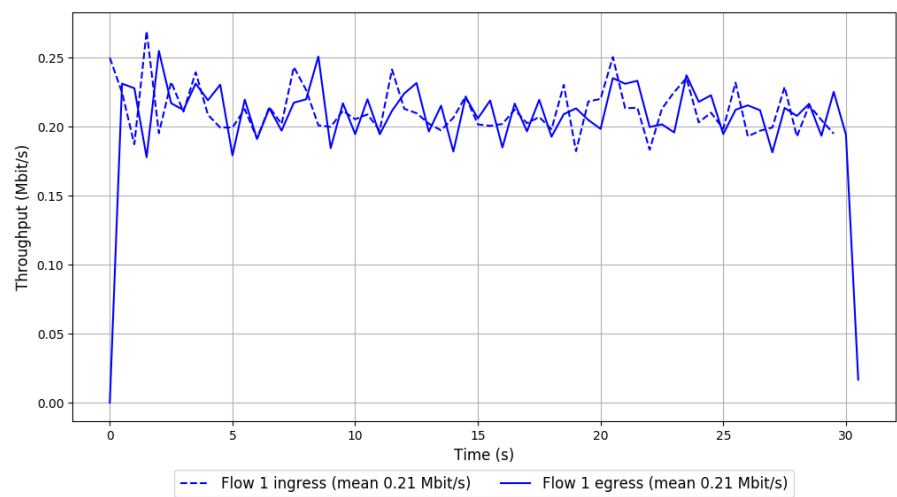
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

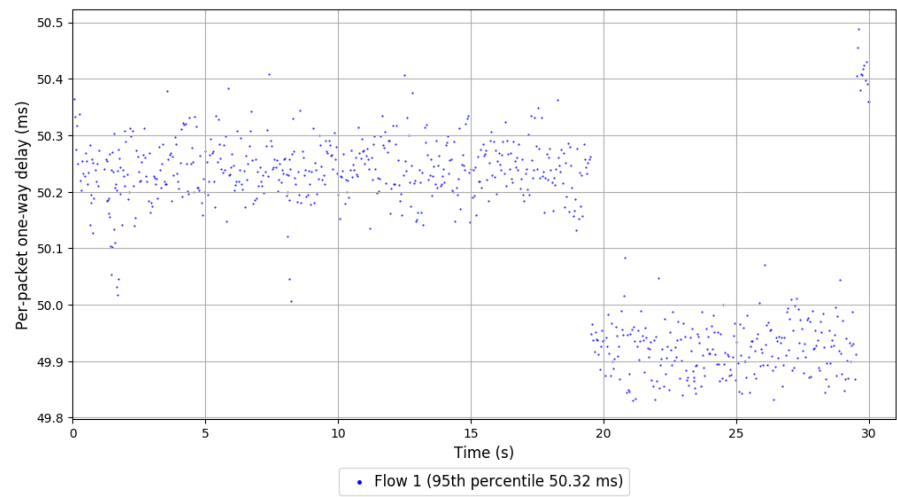
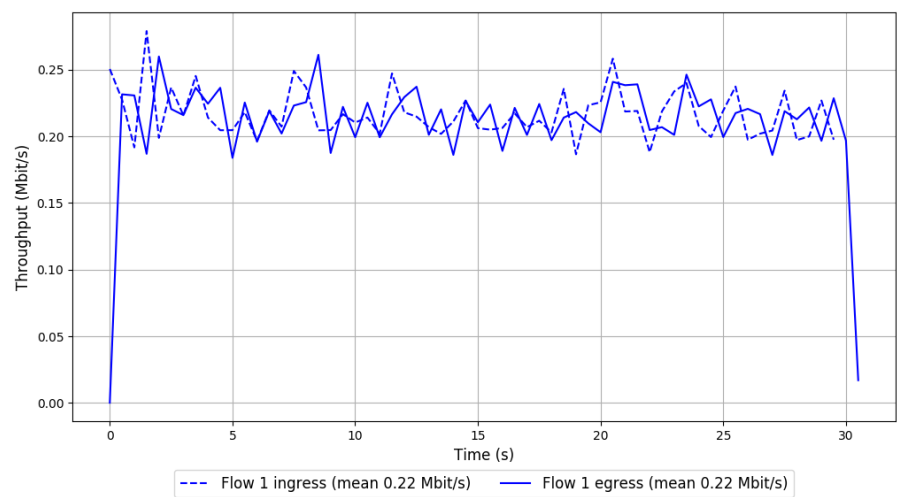


Run 6: Statistics of SCReAM

Start at: 2018-06-07 02:02:13
End at: 2018-06-07 02:02:43
Local clock offset: -0.204 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.320 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-07 02:22:30

End at: 2018-06-07 02:23:00

Local clock offset: 0.009 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.195 ms

Loss rate: 0.00%

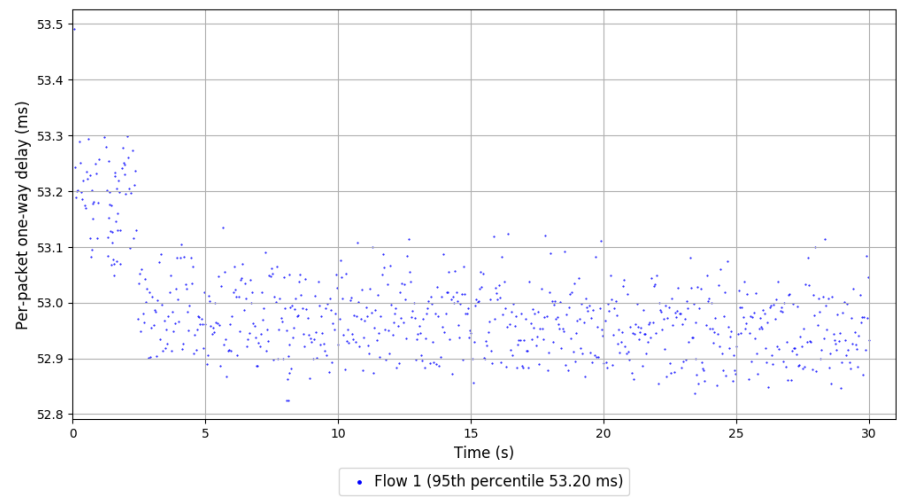
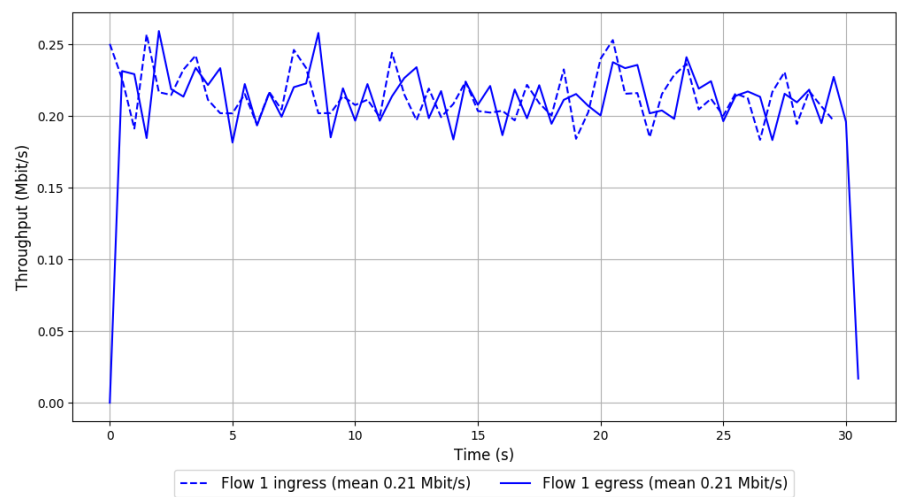
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.195 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-07 02:42:57

End at: 2018-06-07 02:43:27

Local clock offset: 0.381 ms

Remote clock offset: 0.352 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.353 ms

Loss rate: 0.00%

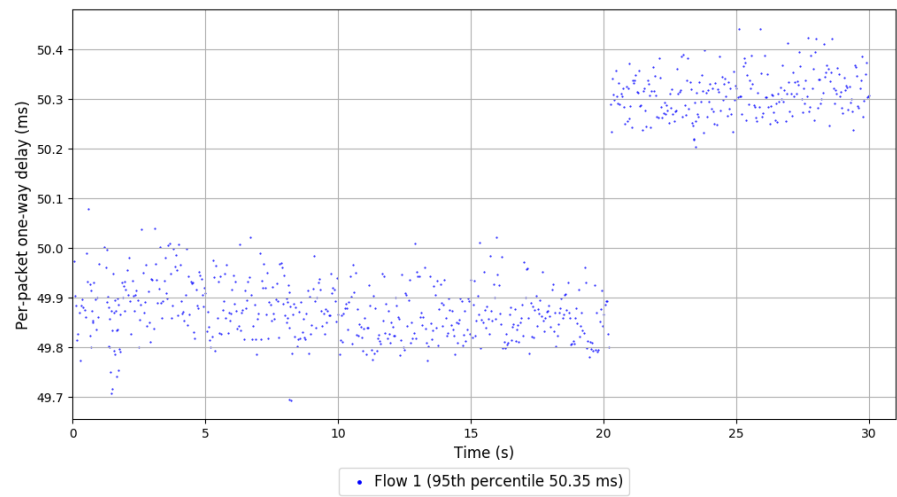
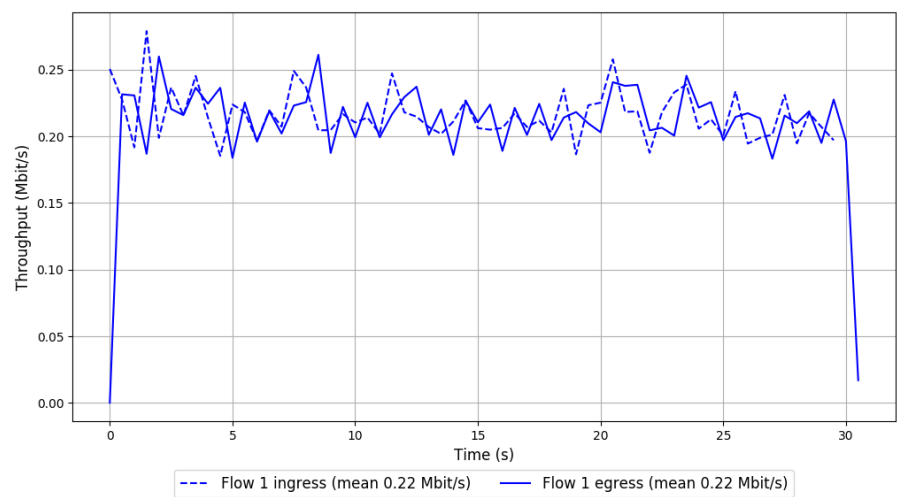
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.353 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-07 03:03:31

End at: 2018-06-07 03:04:01

Local clock offset: -0.093 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.00%

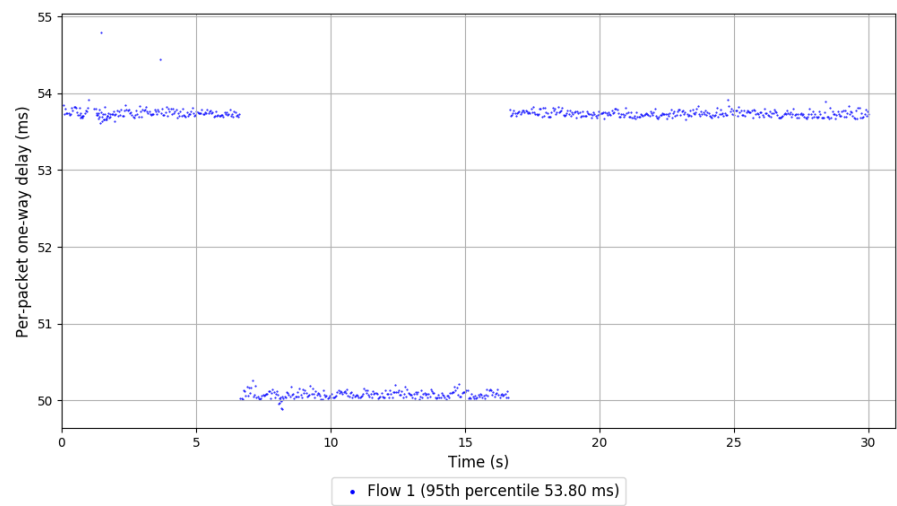
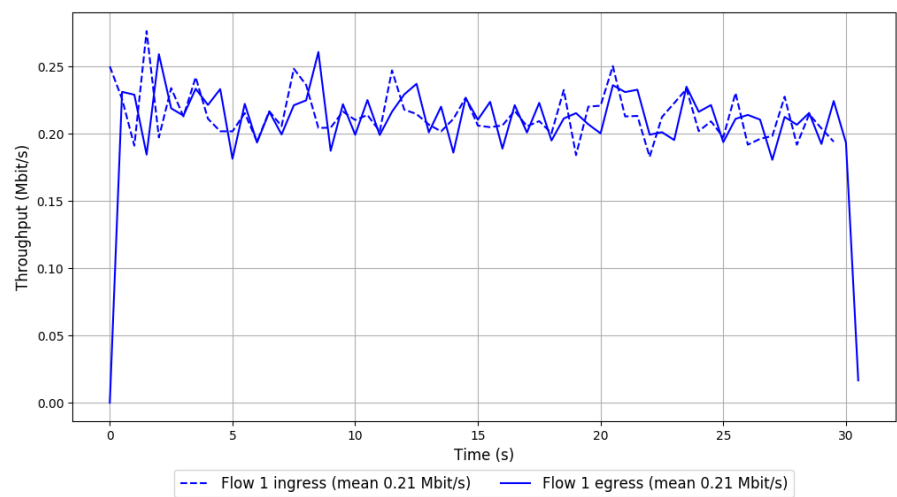
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-07 03:23:40

End at: 2018-06-07 03:24:10

Local clock offset: 0.203 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.981 ms

Loss rate: 0.00%

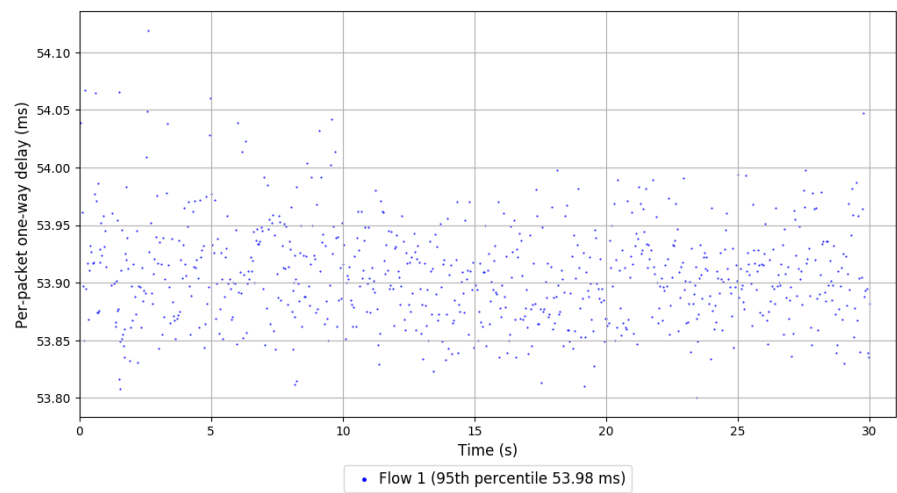
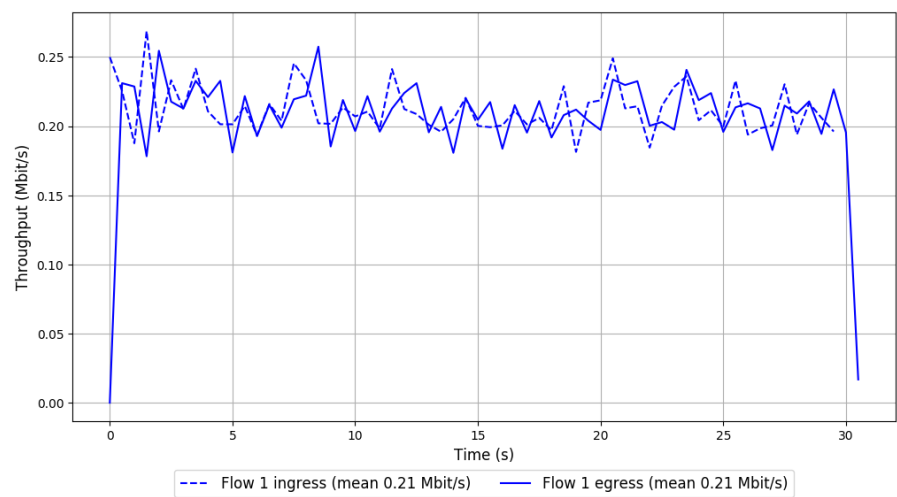
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.981 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-07 00:07:55

End at: 2018-06-07 00:08:25

Local clock offset: -0.114 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 54.489 ms

Loss rate: 0.00%

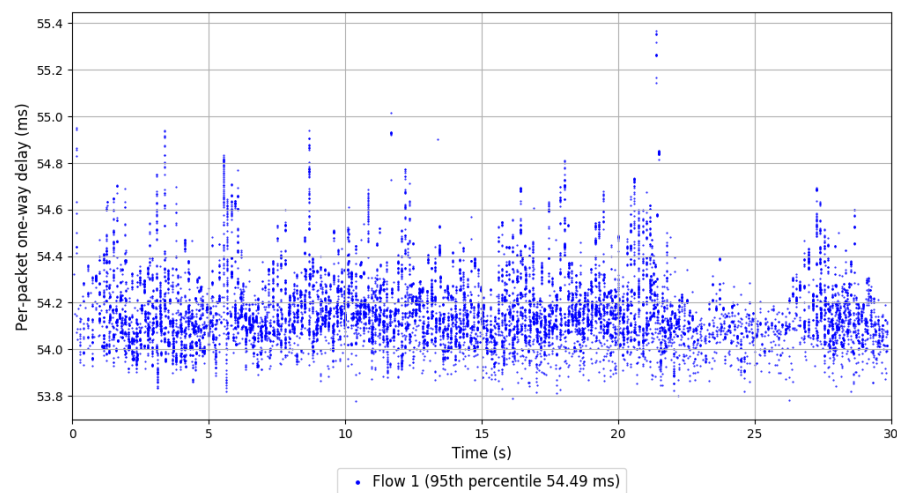
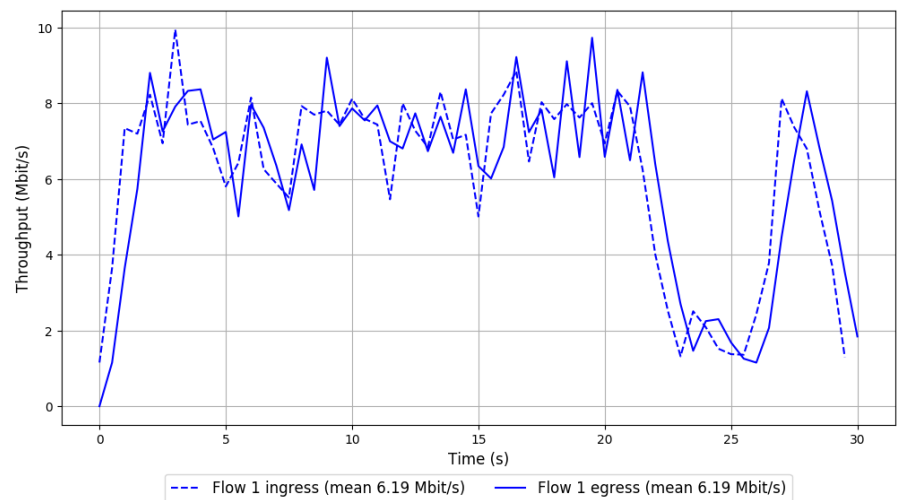
-- Flow 1:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 54.489 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-07 00:28:37

End at: 2018-06-07 00:29:07

Local clock offset: 0.138 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 53.915 ms

Loss rate: 0.00%

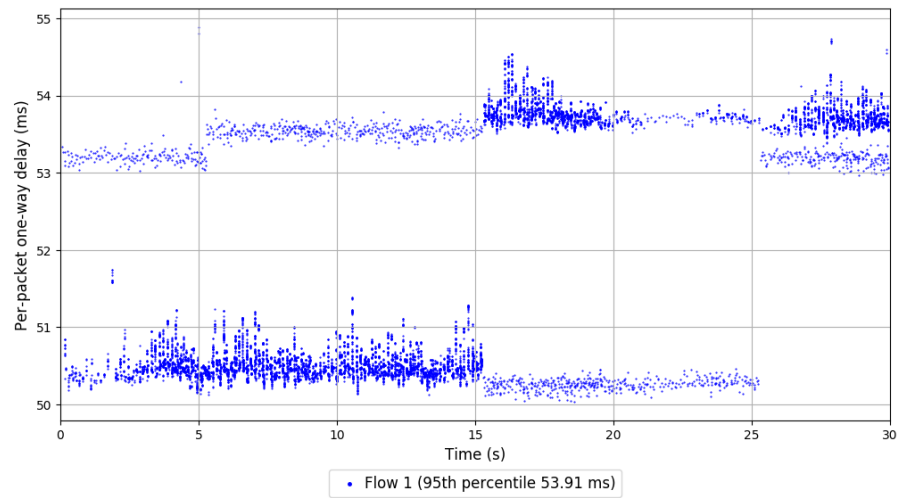
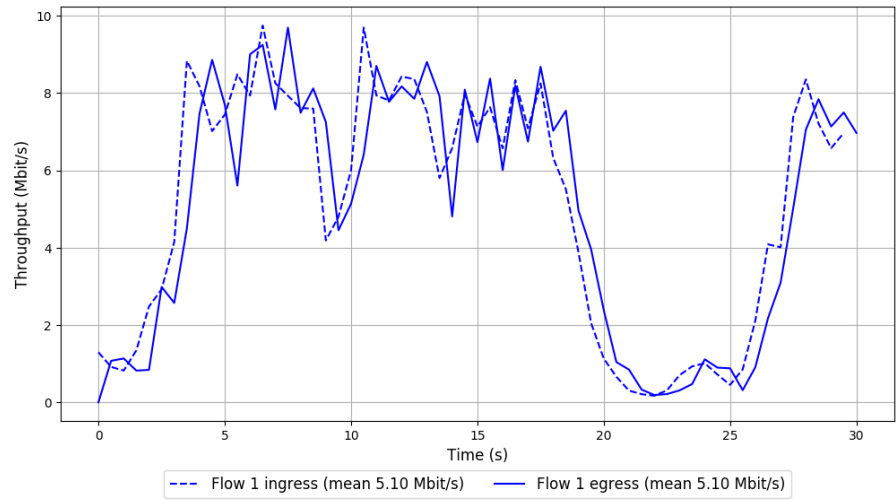
-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 53.915 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

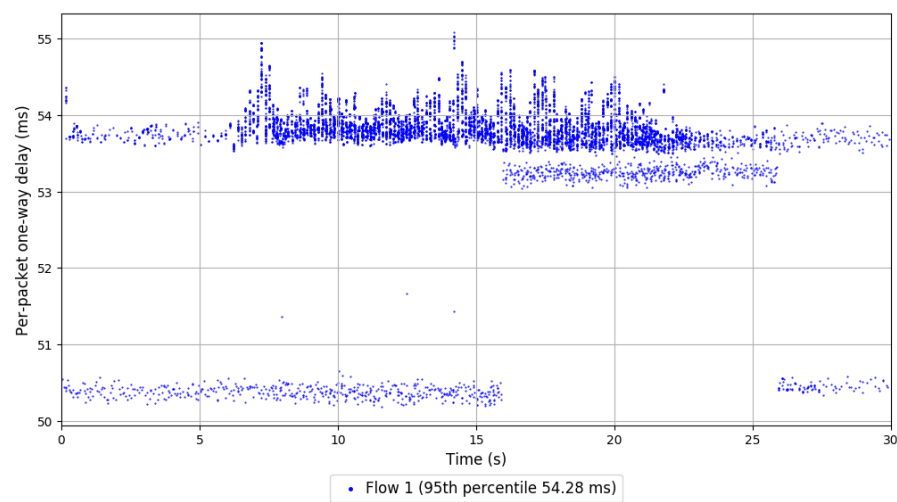
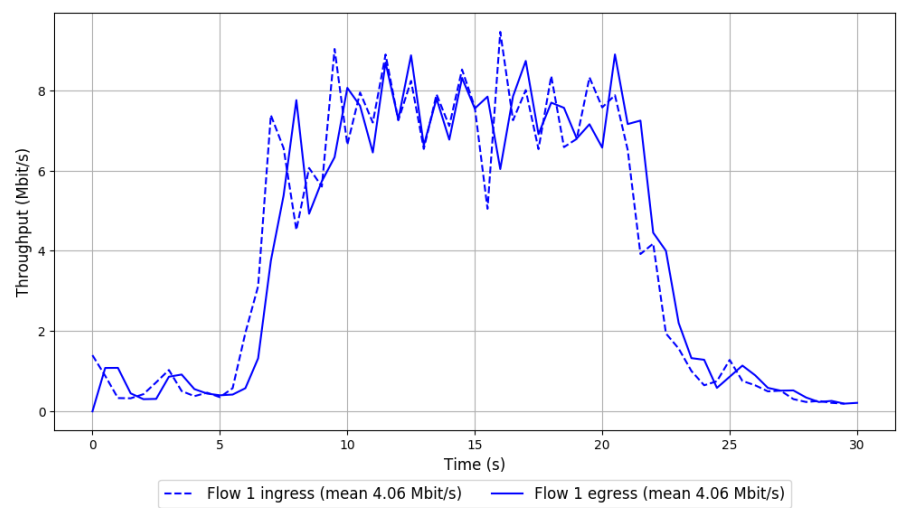


Run 3: Statistics of Sprout

Start at: 2018-06-07 00:49:06
End at: 2018-06-07 00:49:36
Local clock offset: -0.14 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 54.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 54.279 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

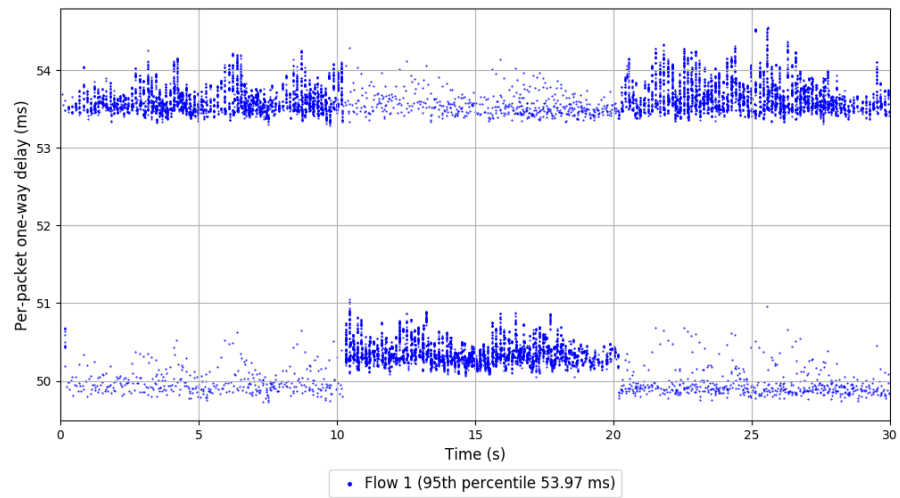
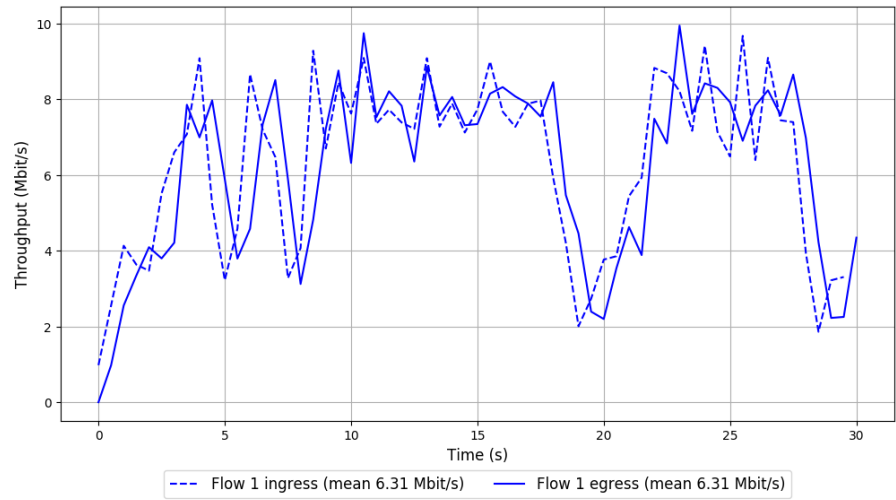


Run 4: Statistics of Sprout

Start at: 2018-06-07 01:09:22
End at: 2018-06-07 01:09:52
Local clock offset: -0.104 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 53.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 53.965 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-07 01:29:59

End at: 2018-06-07 01:30:29

Local clock offset: -0.065 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 54.421 ms

Loss rate: 0.00%

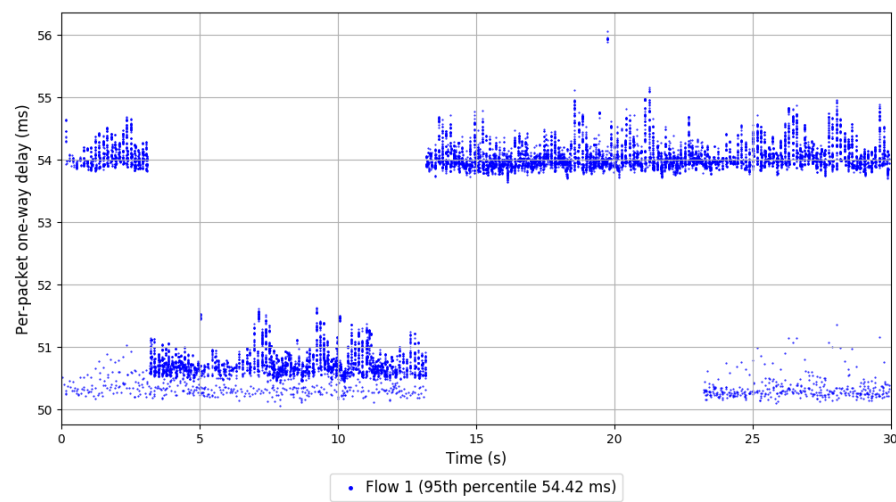
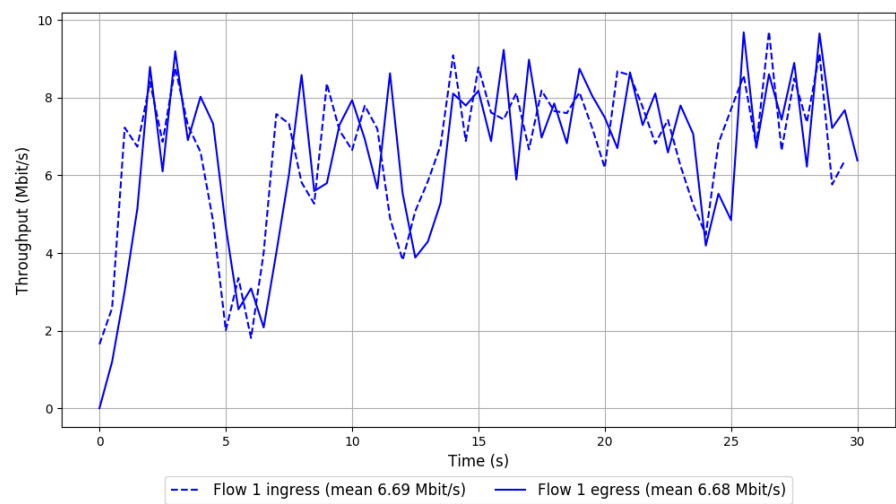
-- Flow 1:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 54.421 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

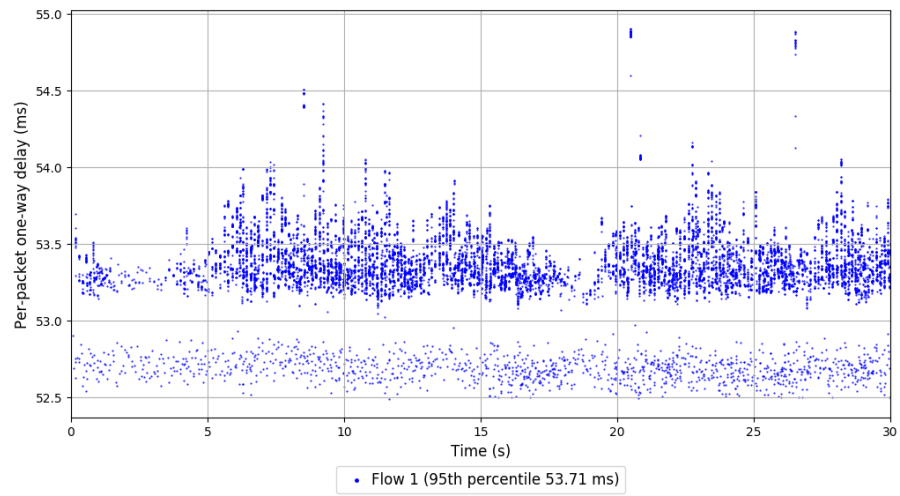
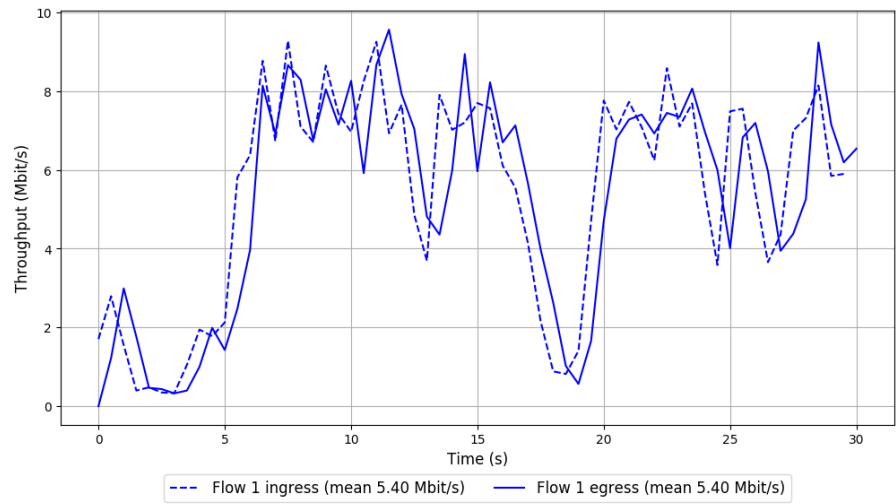


Run 6: Statistics of Sprout

Start at: 2018-06-07 01:50:52
End at: 2018-06-07 01:51:22
Local clock offset: 0.188 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 53.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 53.710 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

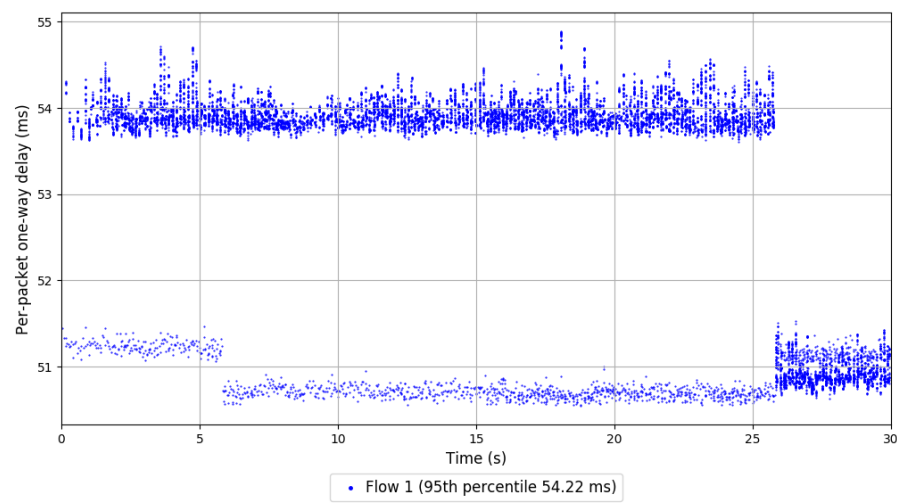
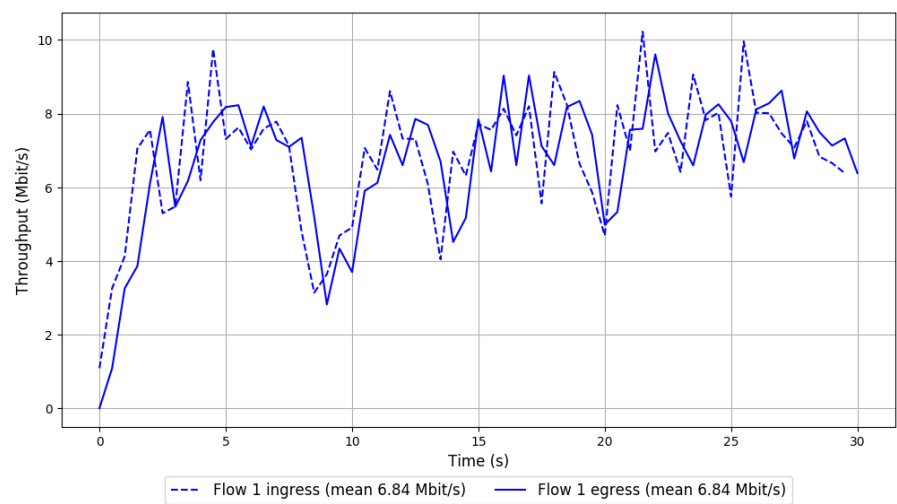


Run 7: Statistics of Sprout

Start at: 2018-06-07 02:11:16
End at: 2018-06-07 02:11:46
Local clock offset: -0.378 ms
Remote clock offset: 0.316 ms

Below is generated by plot.py at 2018-06-07 04:41:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 54.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 54.224 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-07 02:31:18

End at: 2018-06-07 02:31:48

Local clock offset: -0.004 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 53.814 ms

Loss rate: 0.00%

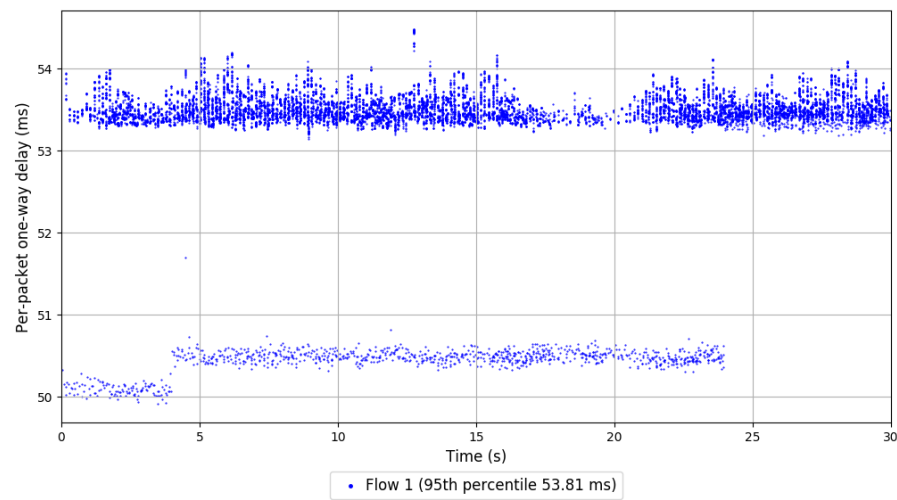
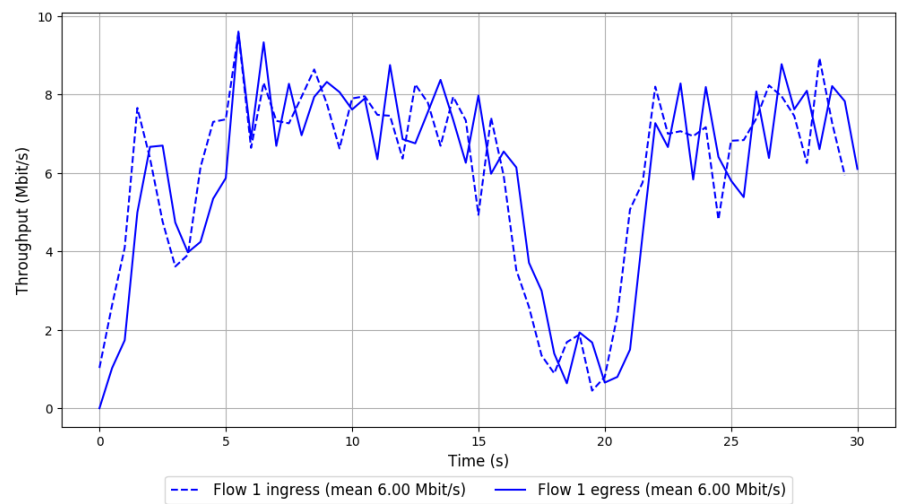
-- Flow 1:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 53.814 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-07 02:52:17

End at: 2018-06-07 02:52:47

Local clock offset: -0.138 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.25 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 0.00%

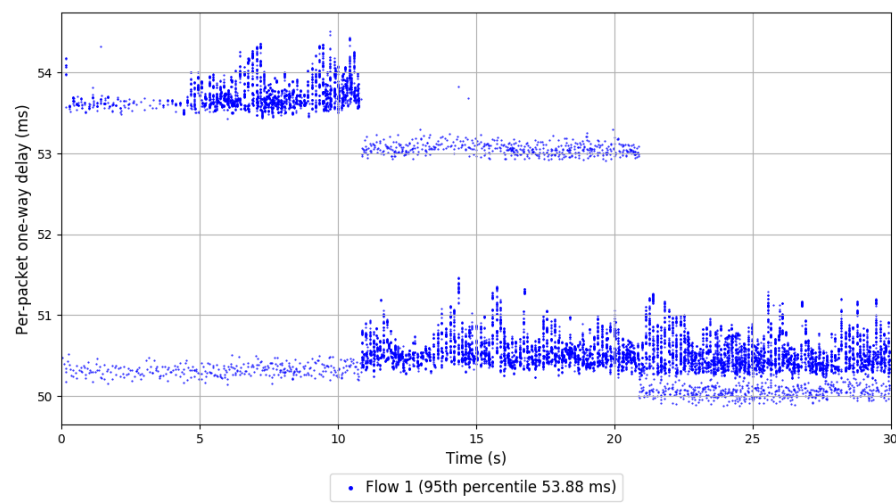
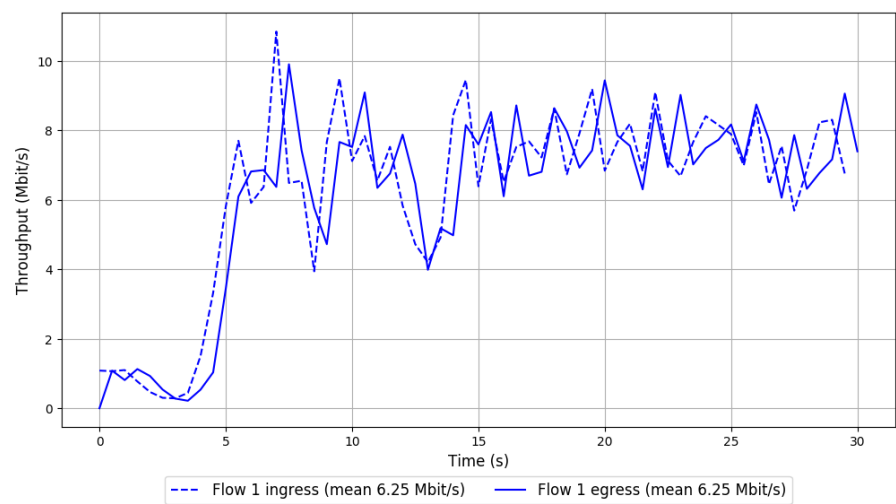
-- Flow 1:

Average throughput: 6.25 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-07 03:12:29

End at: 2018-06-07 03:12:59

Local clock offset: -0.012 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-06-07 04:41:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 53.621 ms

Loss rate: 0.00%

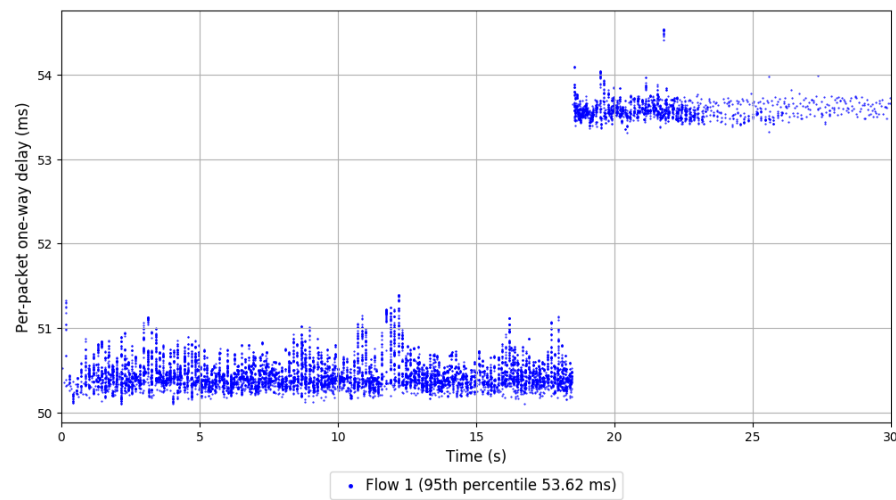
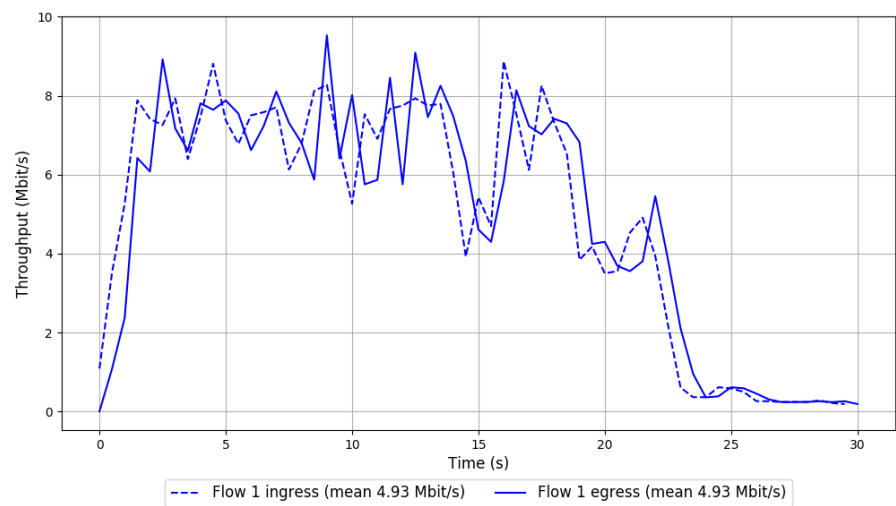
-- Flow 1:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 53.621 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

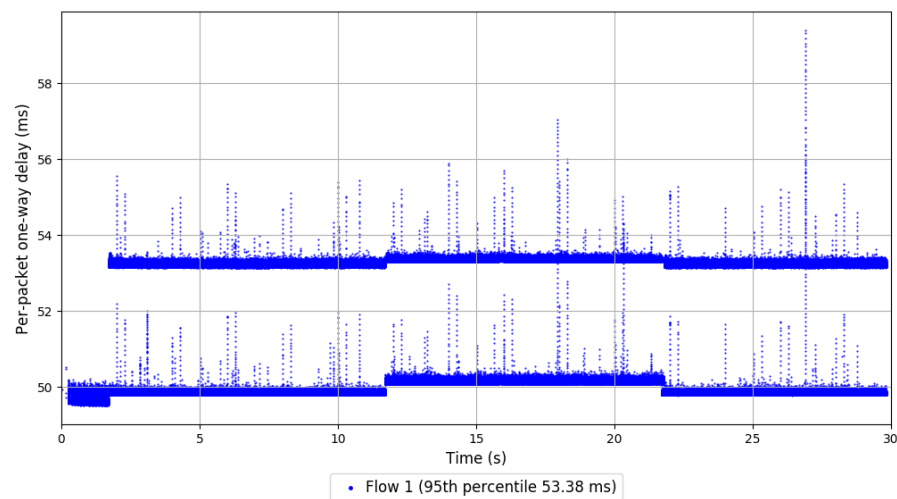
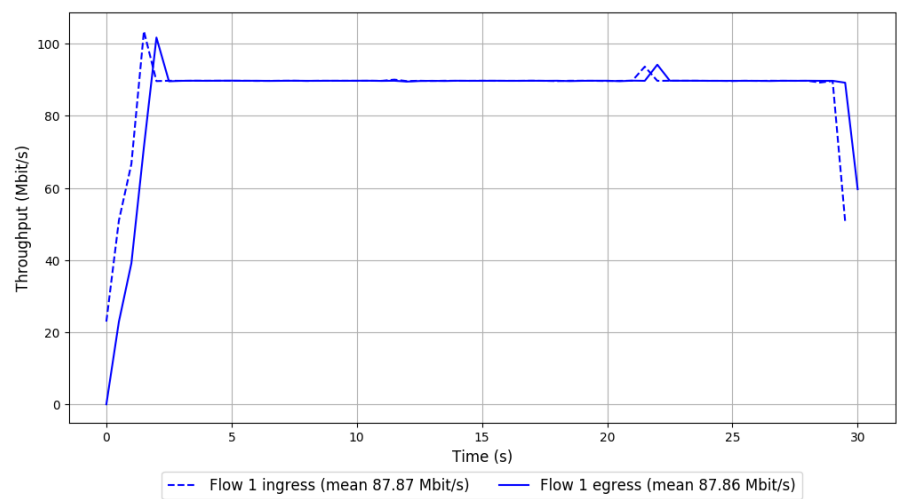


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-07 00:03:00
End at: 2018-06-07 00:03:30
Local clock offset: 0.195 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-06-07 04:41:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 53.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 53.381 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-07 00:23:11

End at: 2018-06-07 00:23:41

Local clock offset: 0.186 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-07 04:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.44 Mbit/s

95th percentile per-packet one-way delay: 53.545 ms

Loss rate: 0.00%

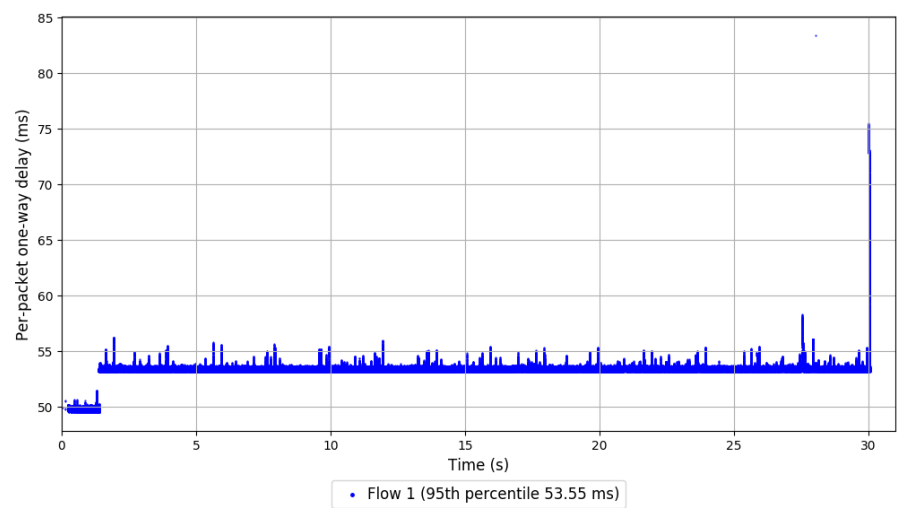
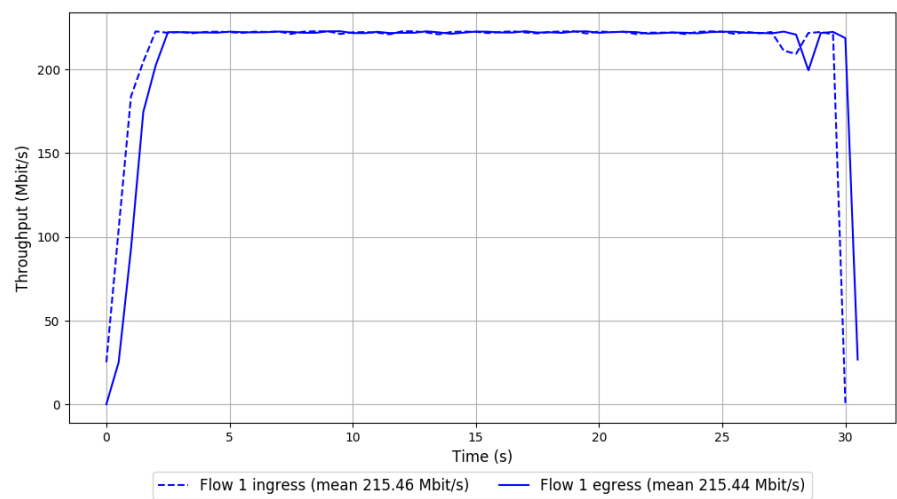
-- Flow 1:

Average throughput: 215.44 Mbit/s

95th percentile per-packet one-way delay: 53.545 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-07 00:43:42

End at: 2018-06-07 00:44:12

Local clock offset: -0.362 ms

Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-06-07 04:43:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.88 Mbit/s

95th percentile per-packet one-way delay: 53.710 ms

Loss rate: 0.00%

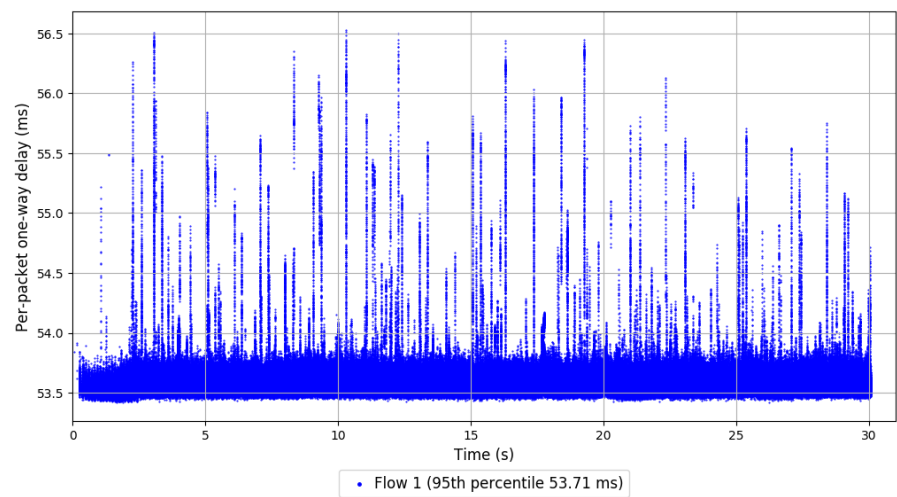
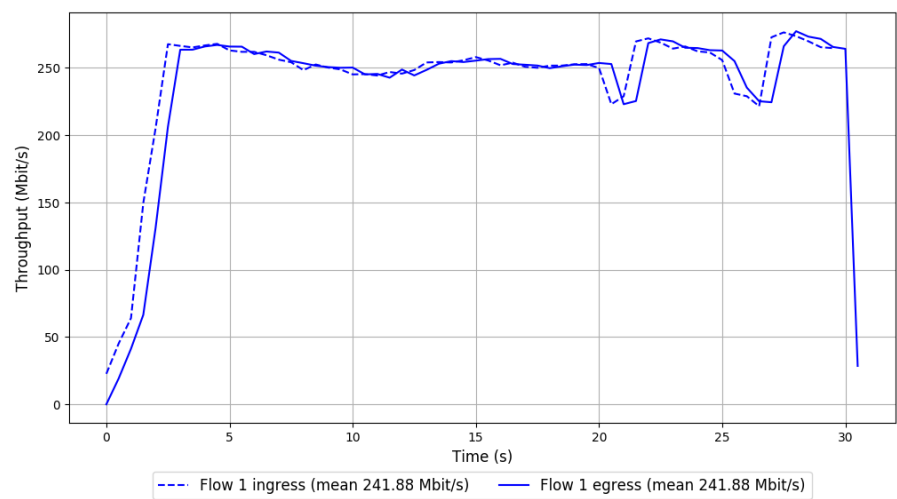
-- Flow 1:

Average throughput: 241.88 Mbit/s

95th percentile per-packet one-way delay: 53.710 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-07 01:04:07

End at: 2018-06-07 01:04:37

Local clock offset: 0.132 ms

Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-06-07 04:43:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.04 Mbit/s

95th percentile per-packet one-way delay: 53.100 ms

Loss rate: 0.00%

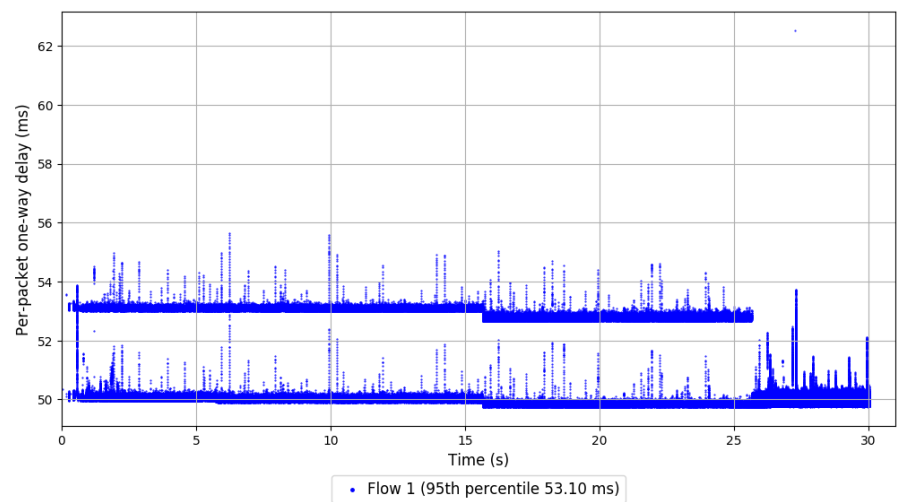
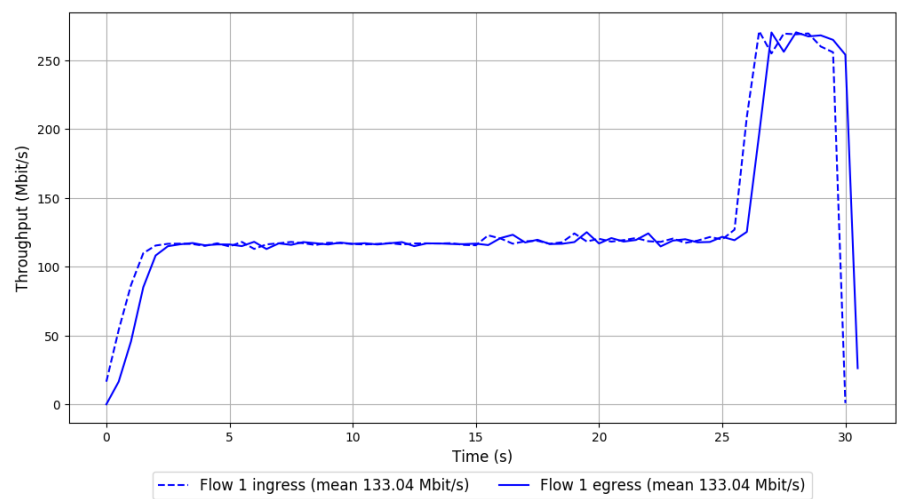
-- Flow 1:

Average throughput: 133.04 Mbit/s

95th percentile per-packet one-way delay: 53.100 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

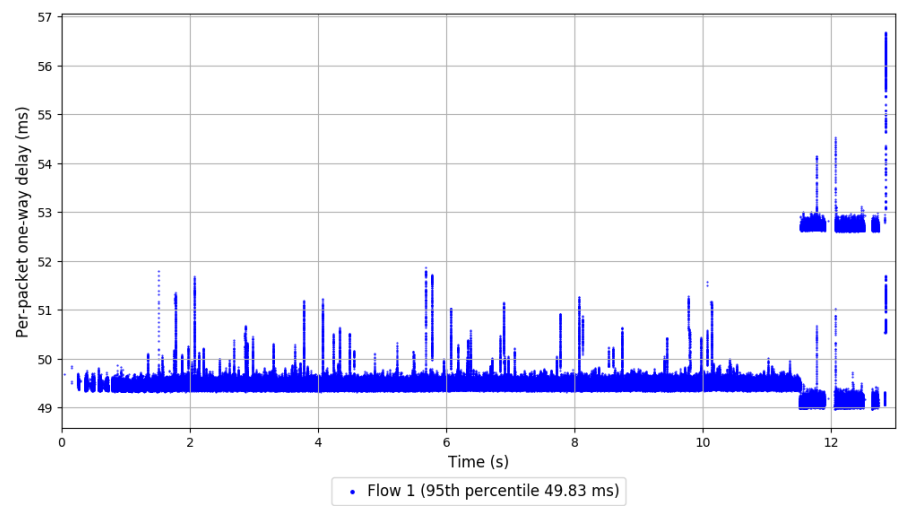
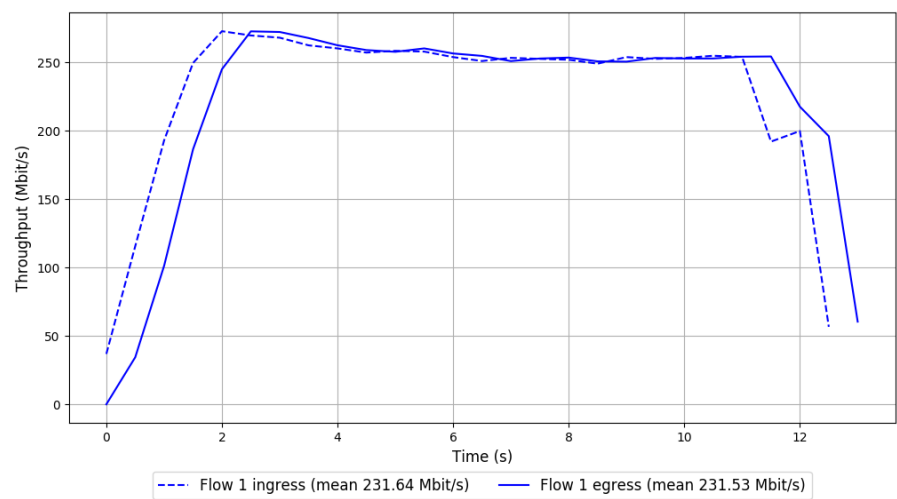
Start at: 2018-06-07 01:24:41

End at: 2018-06-07 01:25:11

Local clock offset: 0.4 ms

Remote clock offset: -0.395 ms

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

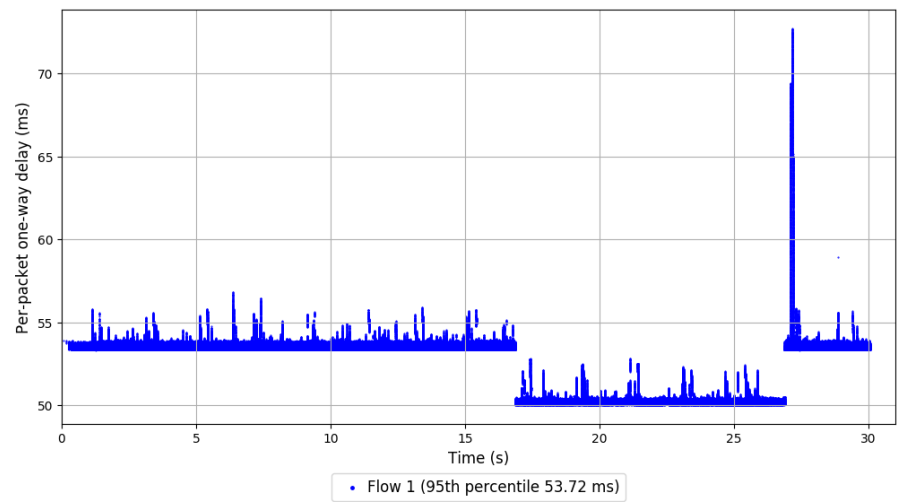
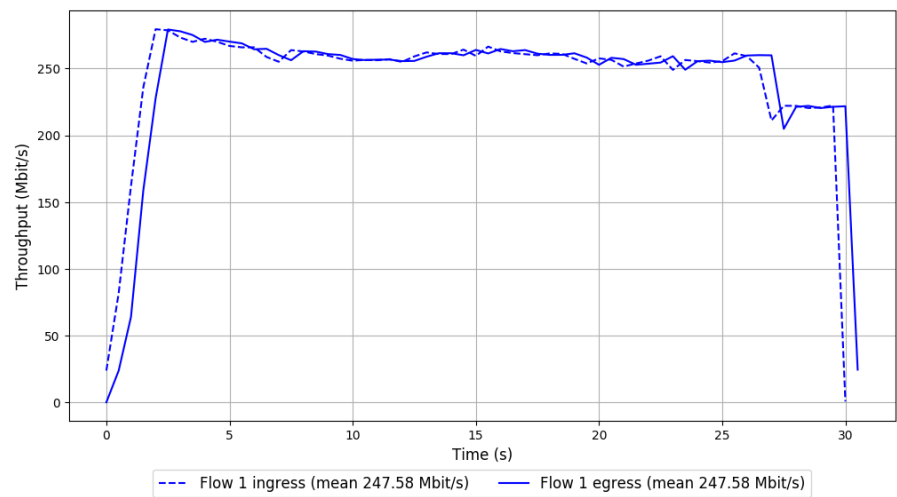


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-07 01:45:25
End at: 2018-06-07 01:45:55
Local clock offset: -0.117 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-06-07 04:46:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.58 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.58 Mbit/s
95th percentile per-packet one-way delay: 53.719 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-07 02:06:04

End at: 2018-06-07 02:06:34

Local clock offset: 0.072 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-07 04:46:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.15 Mbit/s

95th percentile per-packet one-way delay: 53.028 ms

Loss rate: 0.00%

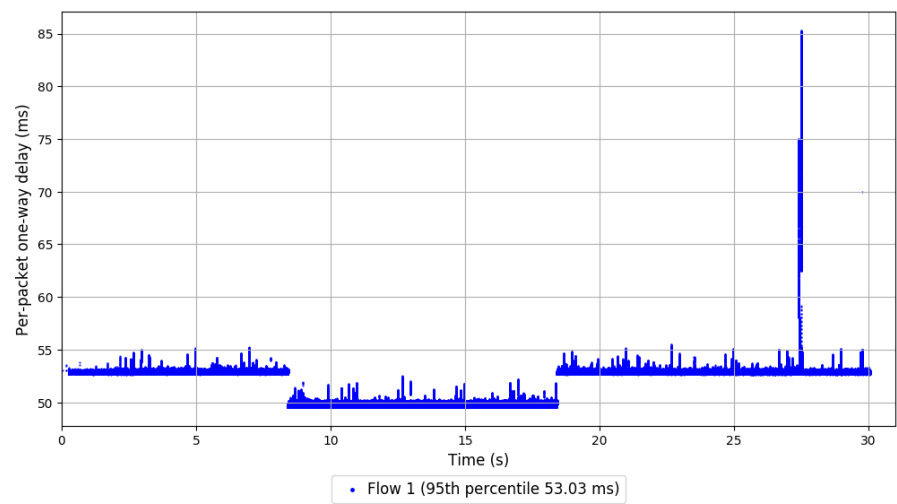
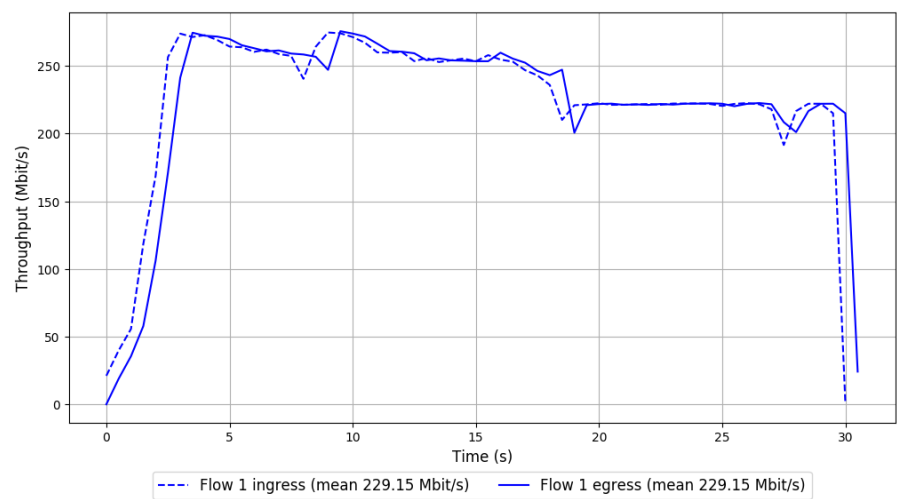
-- Flow 1:

Average throughput: 229.15 Mbit/s

95th percentile per-packet one-way delay: 53.028 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-07 02:26:24

End at: 2018-06-07 02:26:54

Local clock offset: -0.148 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-06-07 04:46:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 53.426 ms

Loss rate: 0.00%

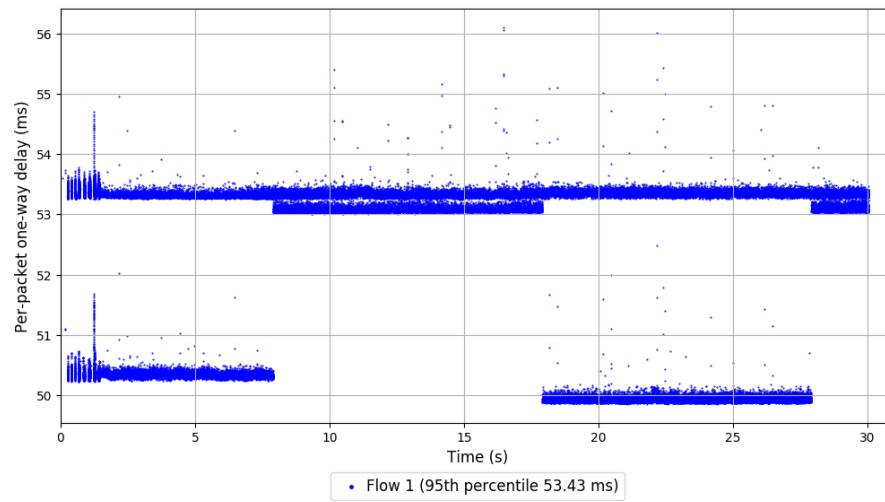
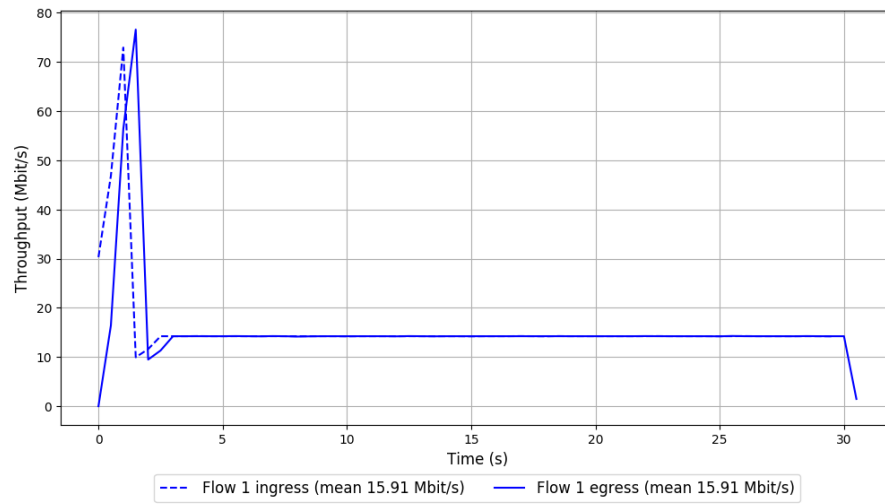
-- Flow 1:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 53.426 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-07 02:46:49

End at: 2018-06-07 02:47:19

Local clock offset: -0.275 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-06-07 04:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.45 Mbit/s

95th percentile per-packet one-way delay: 53.810 ms

Loss rate: 0.00%

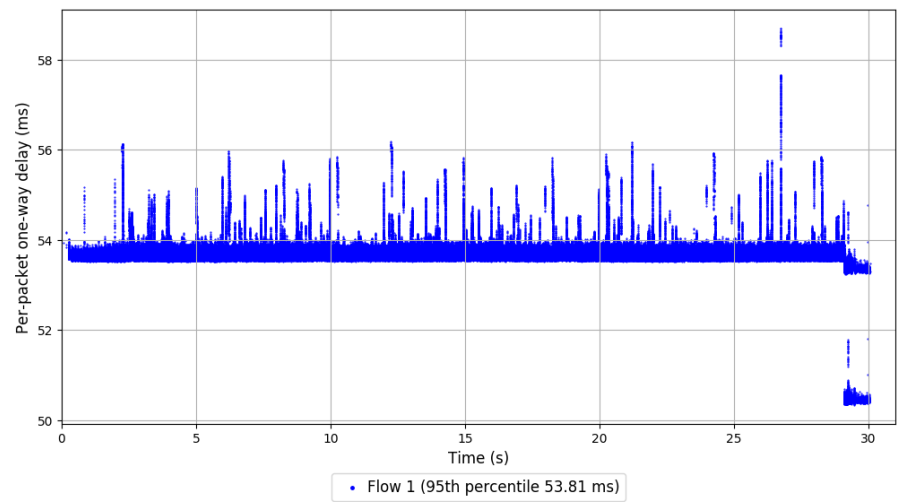
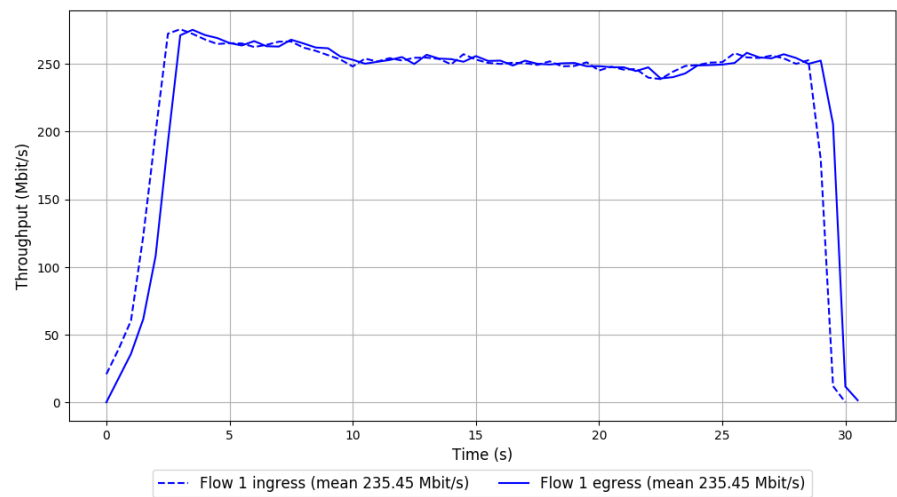
-- Flow 1:

Average throughput: 235.45 Mbit/s

95th percentile per-packet one-way delay: 53.810 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

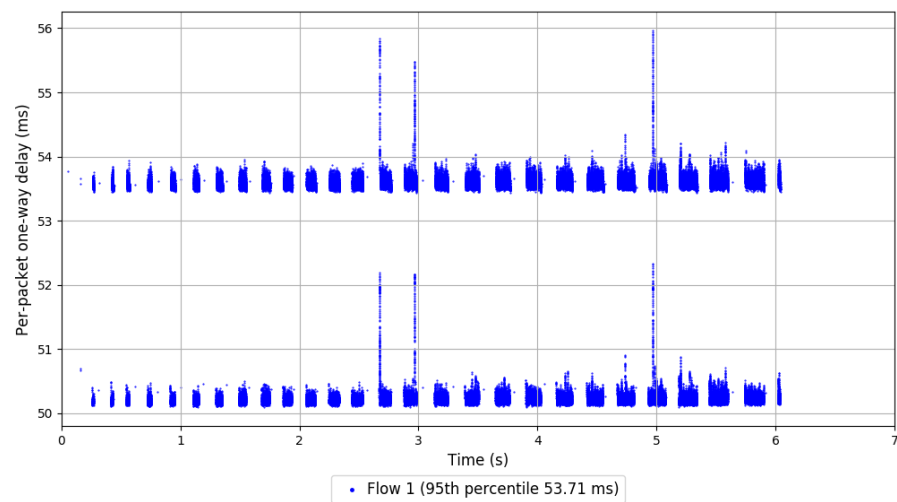
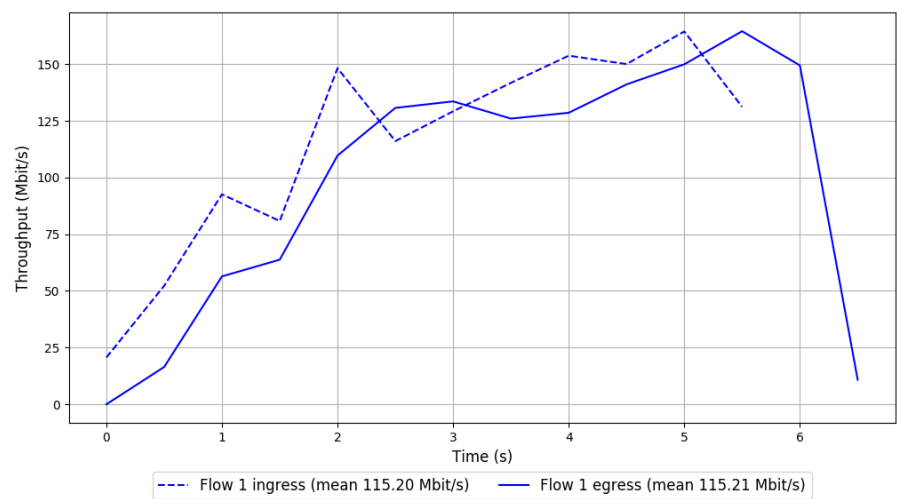
Start at: 2018-06-07 03:07:20

End at: 2018-06-07 03:07:50

Local clock offset: -0.116 ms

Remote clock offset: 0.139 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-07 00:01:48

End at: 2018-06-07 00:02:18

Local clock offset: -0.025 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-07 04:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.02 Mbit/s

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

Loss rate: 0.00%

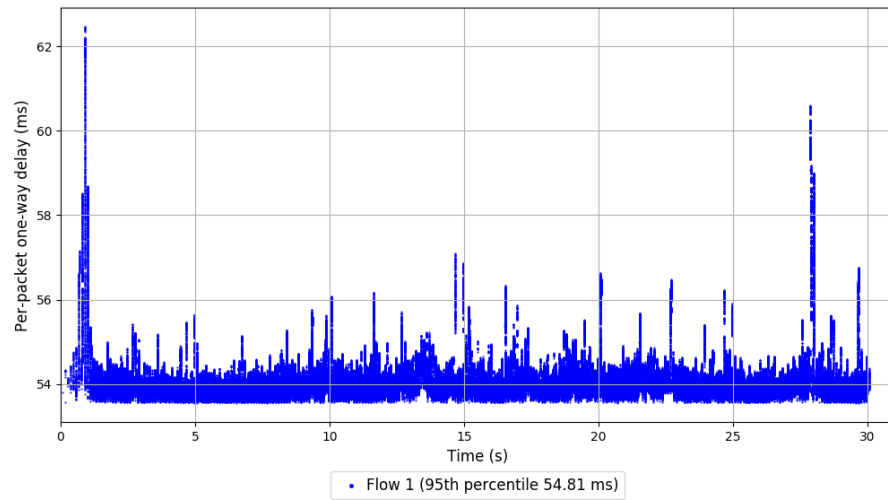
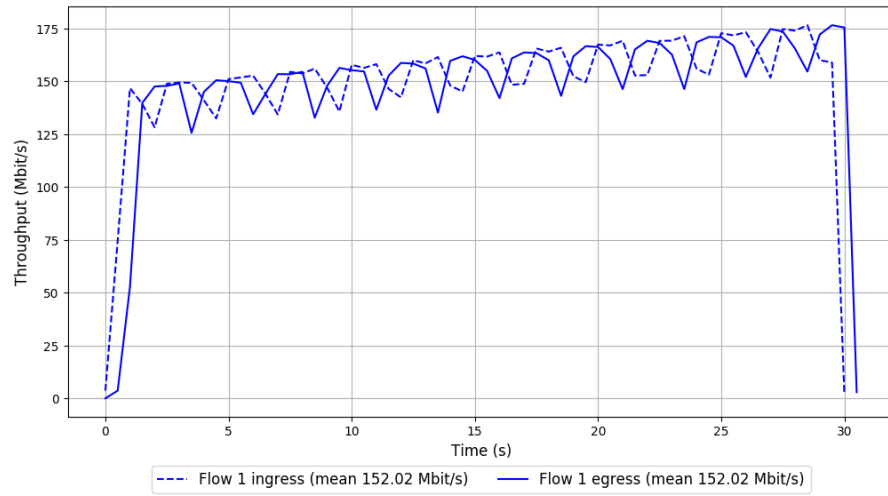
-- Flow 1:

Average throughput: 152.02 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-07 00:21:55

End at: 2018-06-07 00:22:25

Local clock offset: -0.166 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-06-07 04:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.19 Mbit/s

95th percentile per-packet one-way delay: 60.428 ms

Loss rate: 0.00%

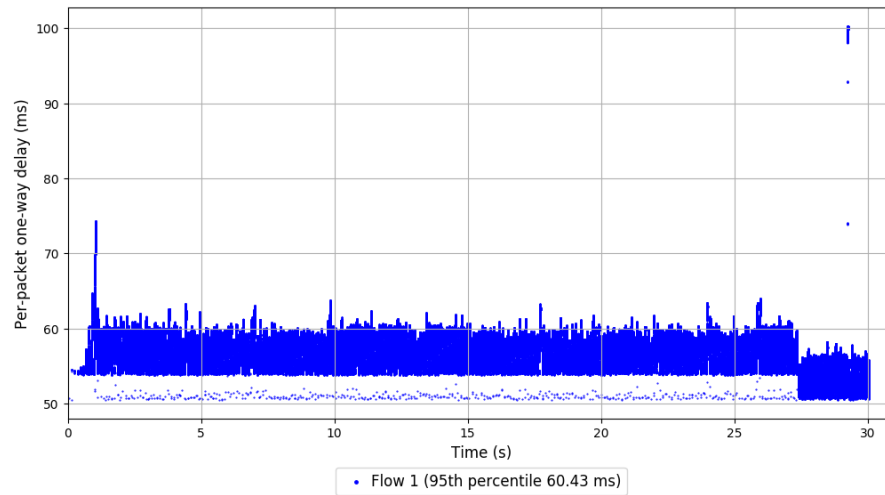
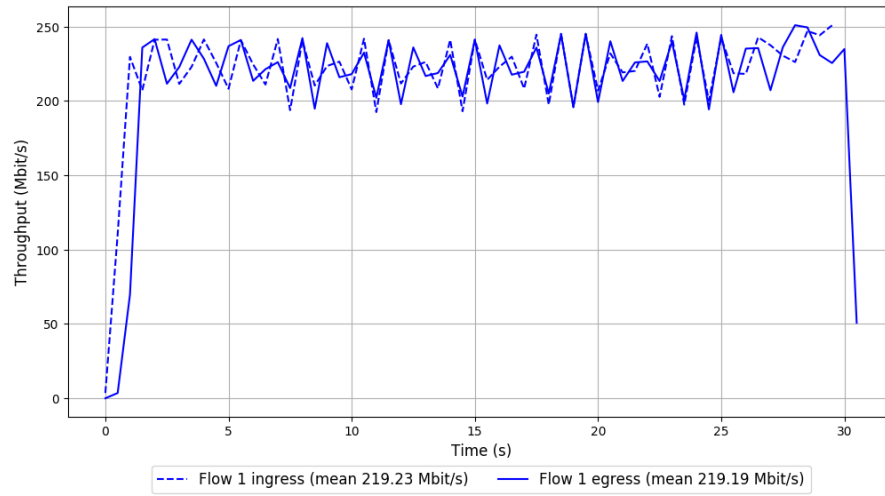
-- Flow 1:

Average throughput: 219.19 Mbit/s

95th percentile per-packet one-way delay: 60.428 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

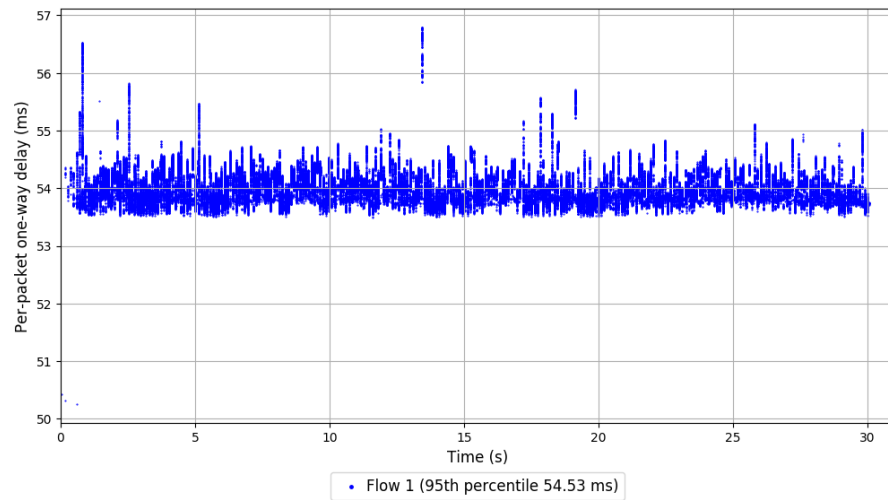
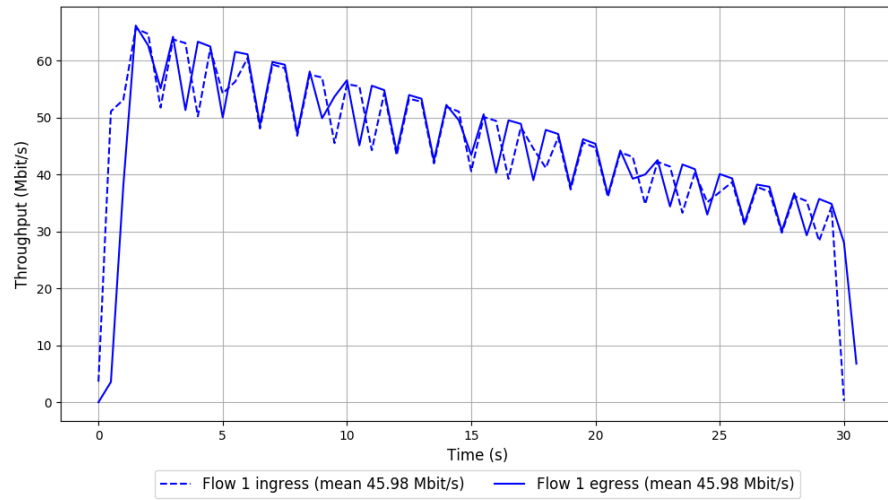


Run 3: Statistics of TCP Vegas

Start at: 2018-06-07 00:42:33
End at: 2018-06-07 00:43:03
Local clock offset: -0.058 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-07 04:48:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.98 Mbit/s
95th percentile per-packet one-way delay: 54.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.98 Mbit/s
95th percentile per-packet one-way delay: 54.530 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-07 01:02:59

End at: 2018-06-07 01:03:29

Local clock offset: 0.074 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-06-07 04:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.06 Mbit/s

95th percentile per-packet one-way delay: 54.279 ms

Loss rate: 0.00%

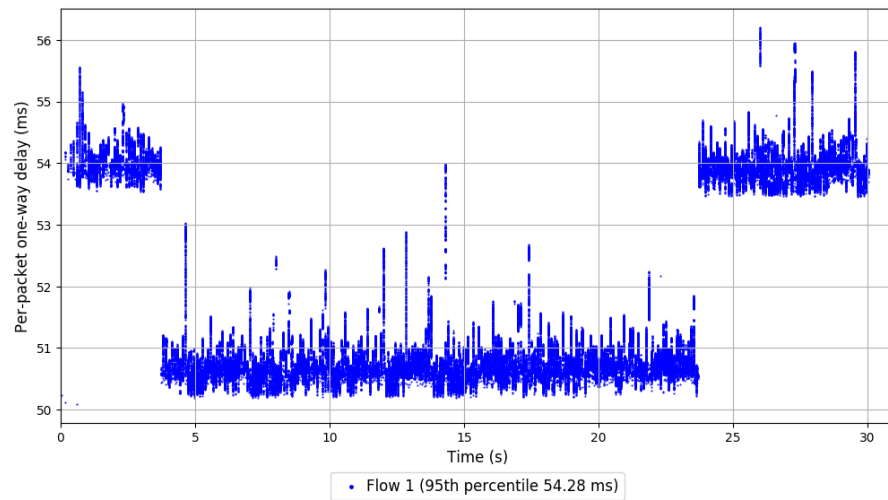
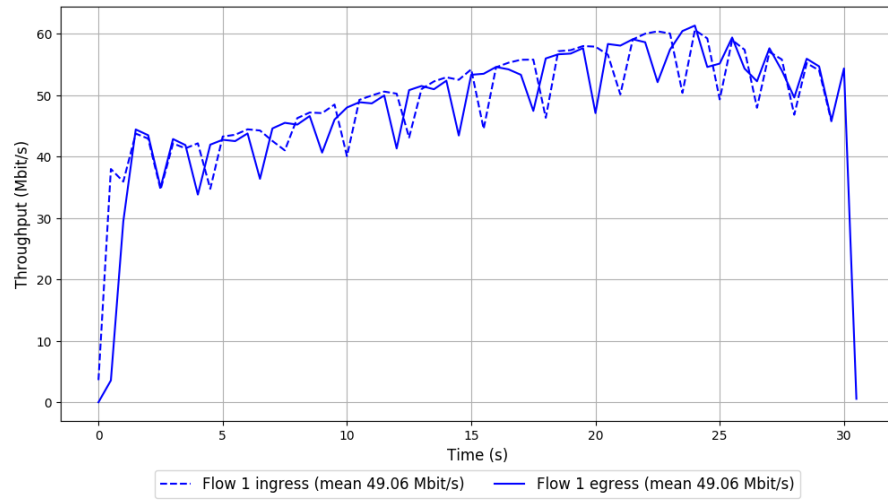
-- Flow 1:

Average throughput: 49.06 Mbit/s

95th percentile per-packet one-way delay: 54.279 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

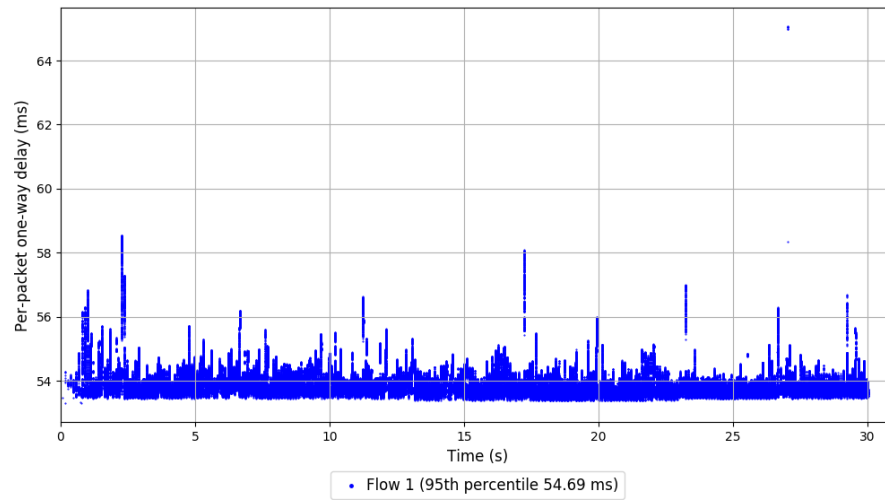
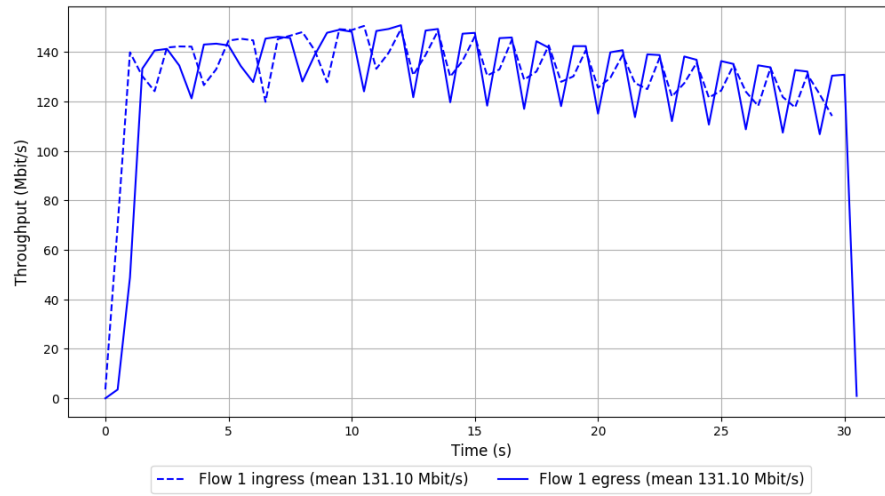


Run 5: Statistics of TCP Vegas

Start at: 2018-06-07 01:23:29
End at: 2018-06-07 01:23:59
Local clock offset: -0.202 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-06-07 04:48:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.10 Mbit/s
95th percentile per-packet one-way delay: 54.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.10 Mbit/s
95th percentile per-packet one-way delay: 54.688 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

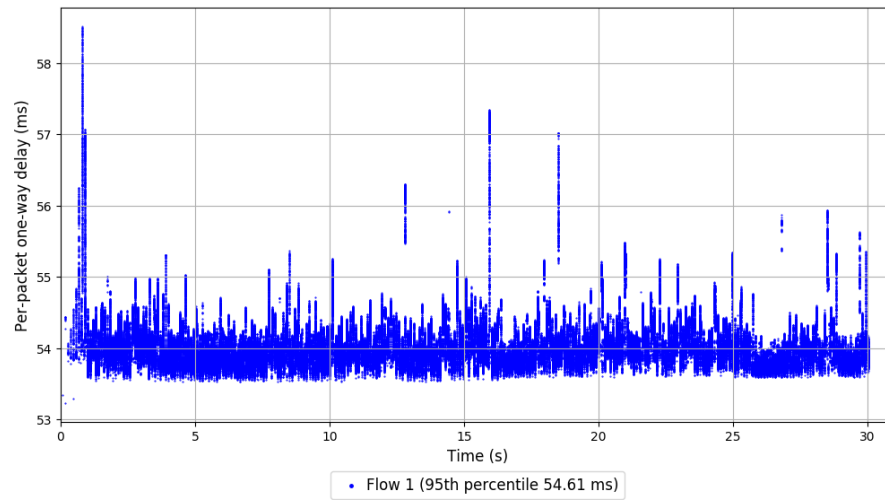
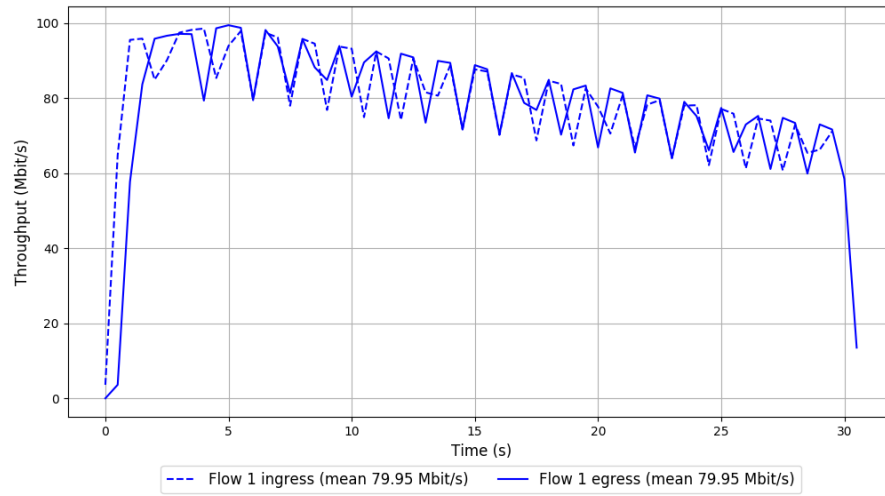


Run 6: Statistics of TCP Vegas

Start at: 2018-06-07 01:44:16
End at: 2018-06-07 01:44:46
Local clock offset: -0.234 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-07 04:48:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.95 Mbit/s
95th percentile per-packet one-way delay: 54.614 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.95 Mbit/s
95th percentile per-packet one-way delay: 54.614 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

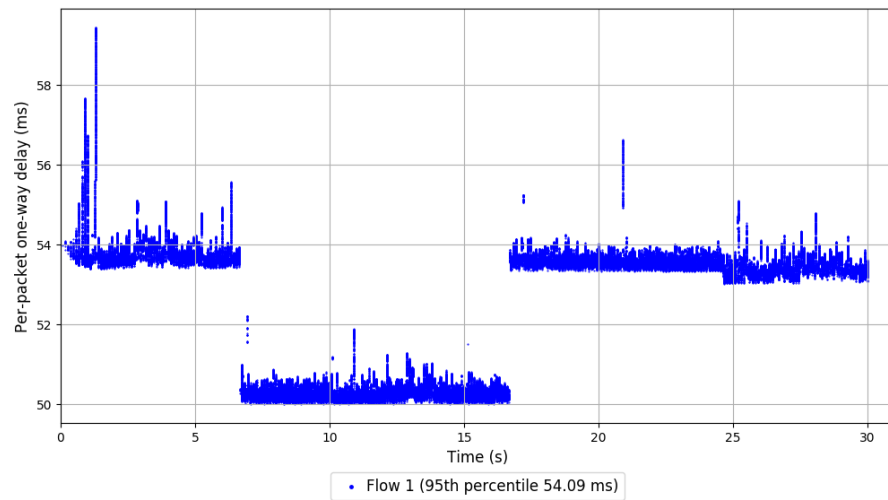
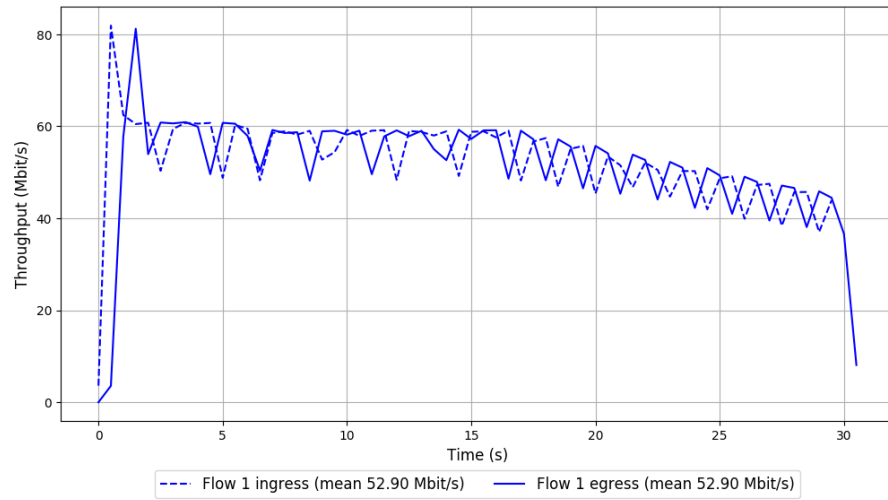


Run 7: Statistics of TCP Vegas

Start at: 2018-06-07 02:04:56
End at: 2018-06-07 02:05:26
Local clock offset: -0.136 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-07 04:48:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 54.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 54.088 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-07 02:25:16

End at: 2018-06-07 02:25:46

Local clock offset: 0.092 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-06-07 04:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 53.939 ms

Loss rate: 0.00%

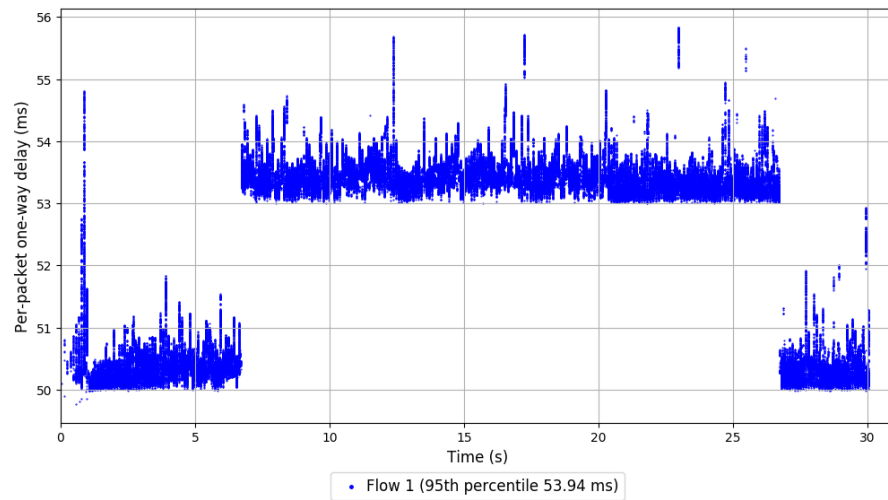
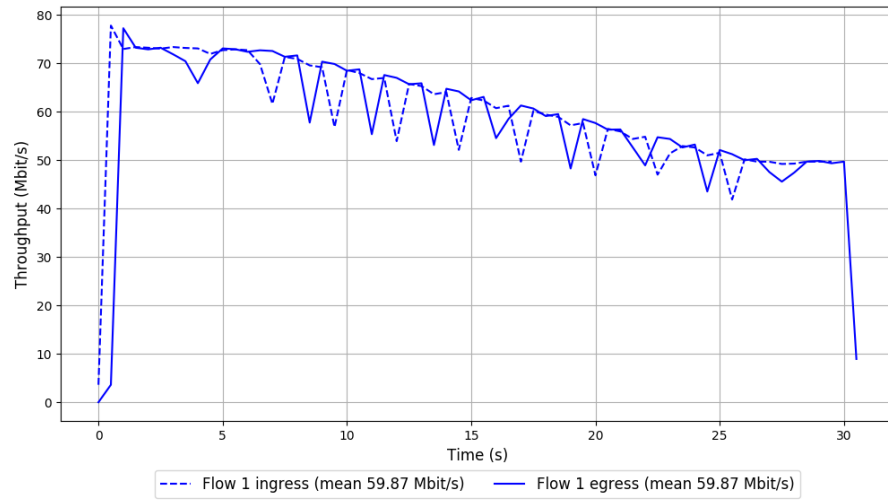
-- Flow 1:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 53.939 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-07 02:45:40

End at: 2018-06-07 02:46:10

Local clock offset: 0.015 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-07 04:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.00%

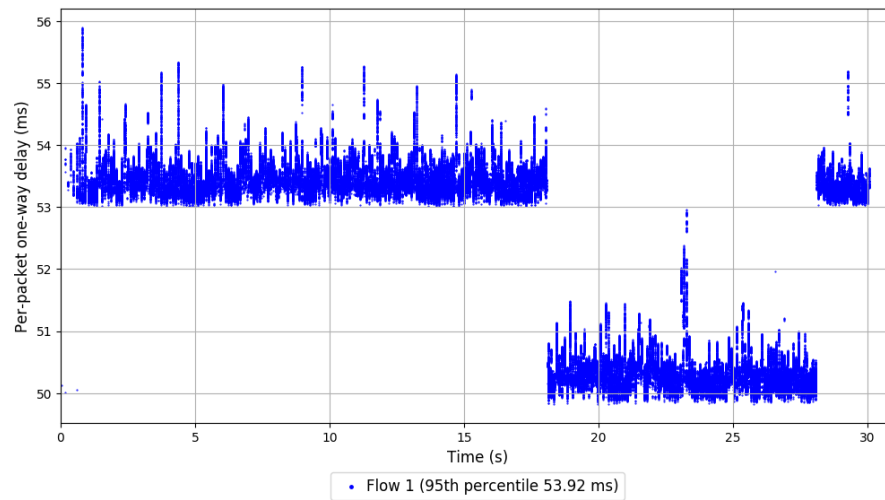
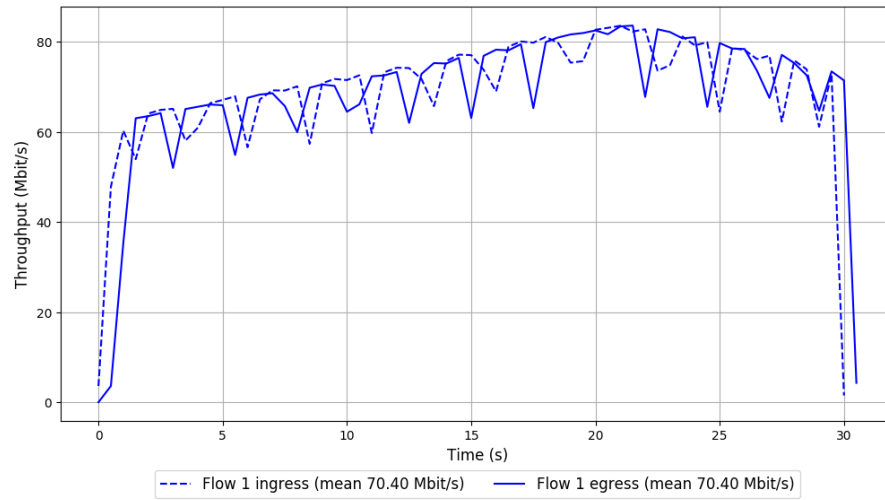
-- Flow 1:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-07 03:06:13

End at: 2018-06-07 03:06:43

Local clock offset: -0.116 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-06-07 04:48:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.32 Mbit/s

95th percentile per-packet one-way delay: 54.229 ms

Loss rate: 0.00%

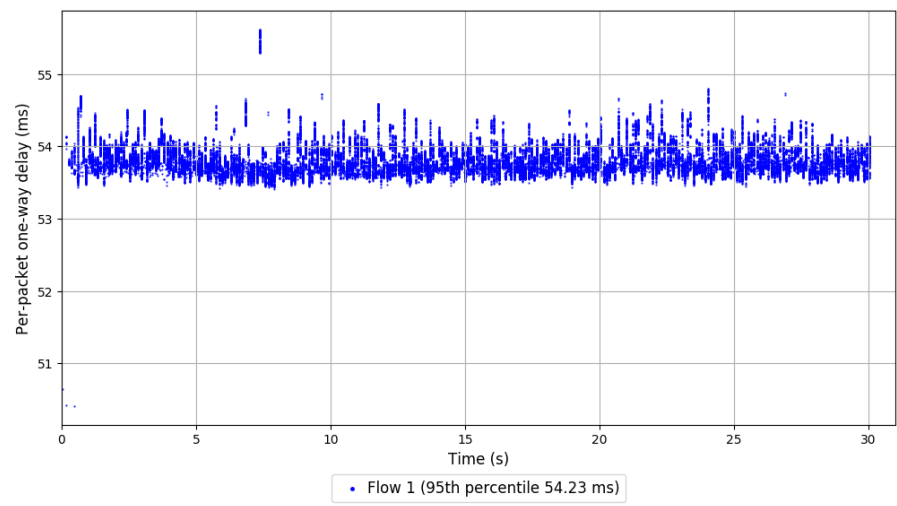
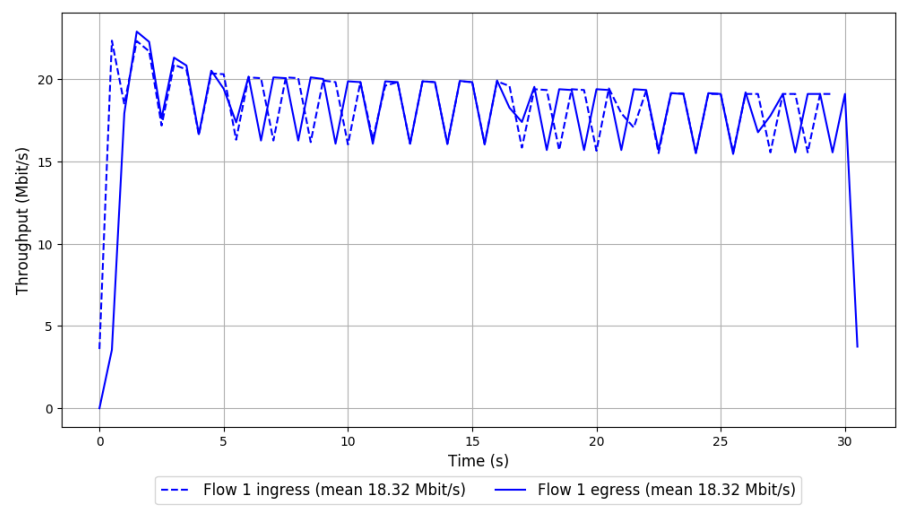
-- Flow 1:

Average throughput: 18.32 Mbit/s

95th percentile per-packet one-way delay: 54.229 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-07 00:04:14

End at: 2018-06-07 00:04:44

Local clock offset: 0.053 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-06-07 04:49:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.65 Mbit/s

95th percentile per-packet one-way delay: 85.991 ms

Loss rate: 0.00%

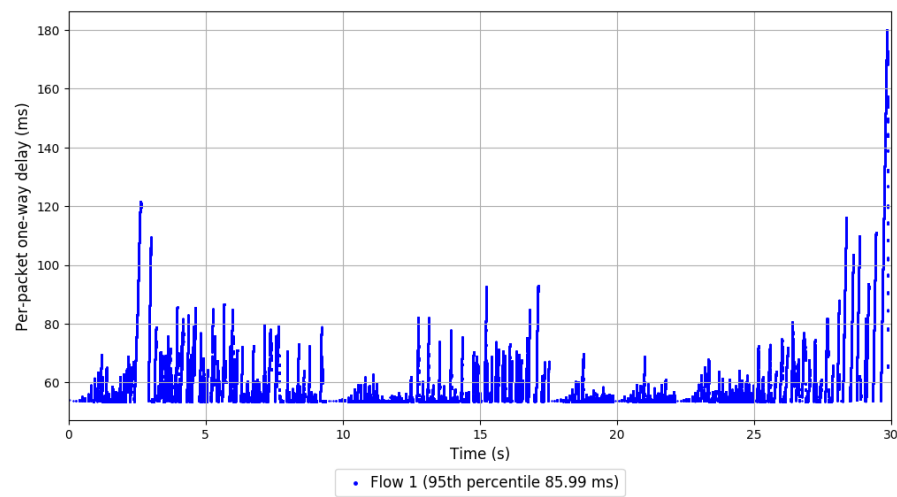
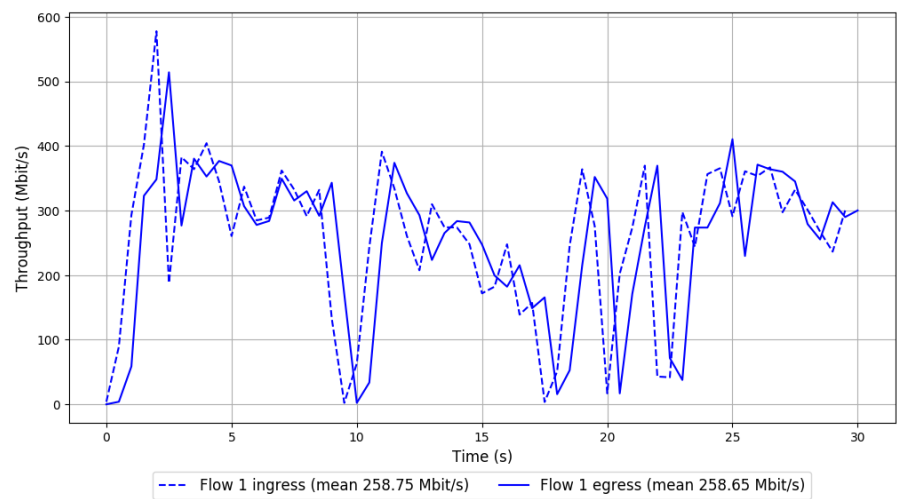
-- Flow 1:

Average throughput: 258.65 Mbit/s

95th percentile per-packet one-way delay: 85.991 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

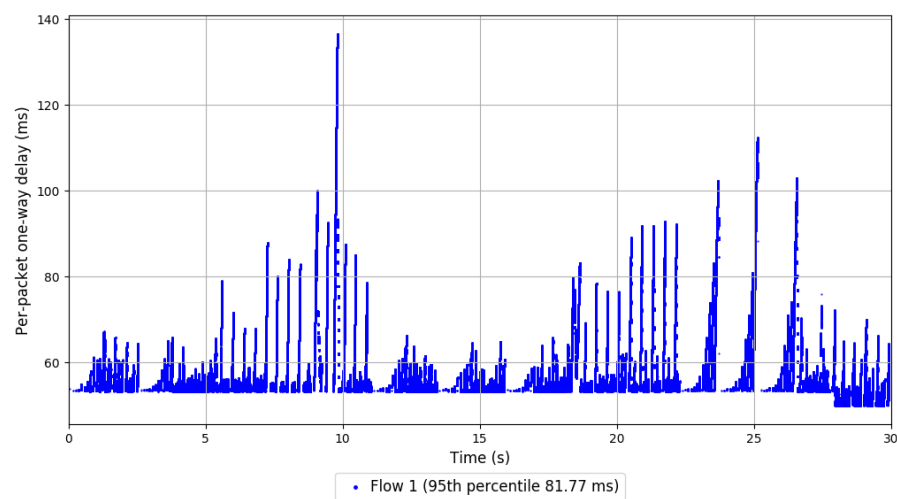
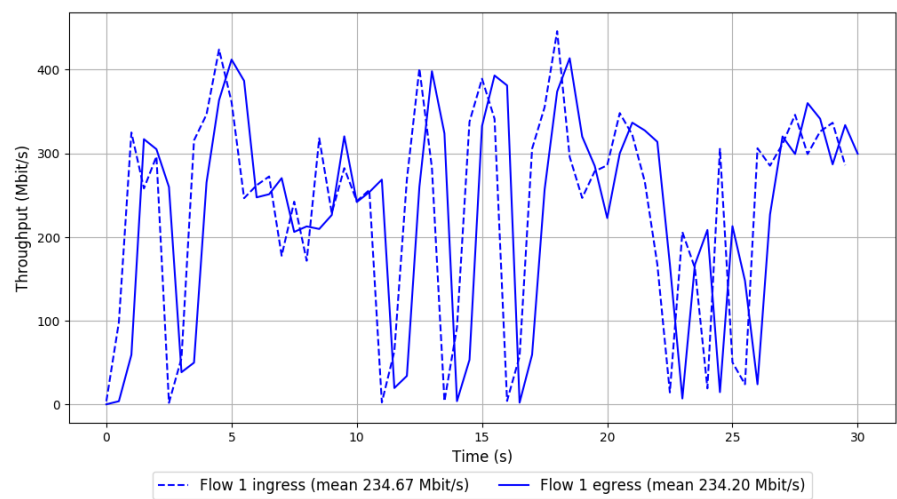


Run 2: Statistics of Verus

Start at: 2018-06-07 00:24:34
End at: 2018-06-07 00:25:04
Local clock offset: 0.188 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-07 04:49:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.20 Mbit/s
95th percentile per-packet one-way delay: 81.769 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 234.20 Mbit/s
95th percentile per-packet one-way delay: 81.769 ms
Loss rate: 0.20%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-07 00:45:08

End at: 2018-06-07 00:45:38

Local clock offset: 0.03 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-06-07 04:49:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.23 Mbit/s

95th percentile per-packet one-way delay: 137.981 ms

Loss rate: 0.00%

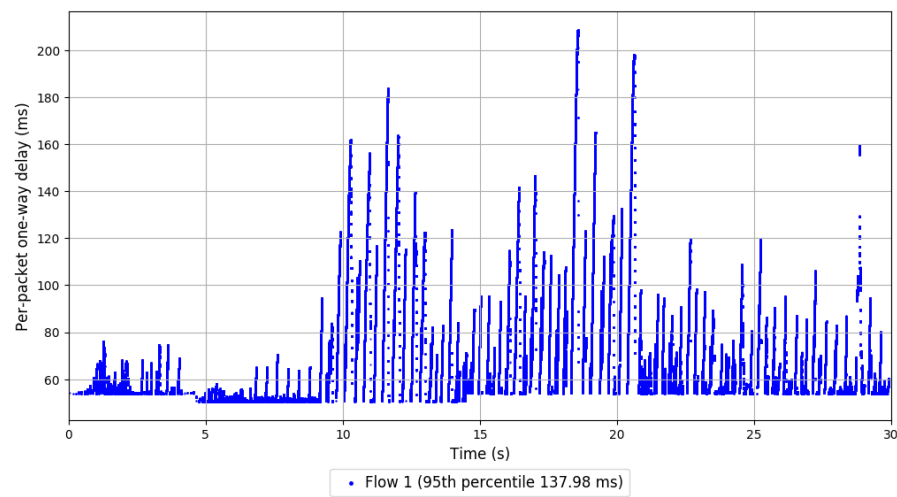
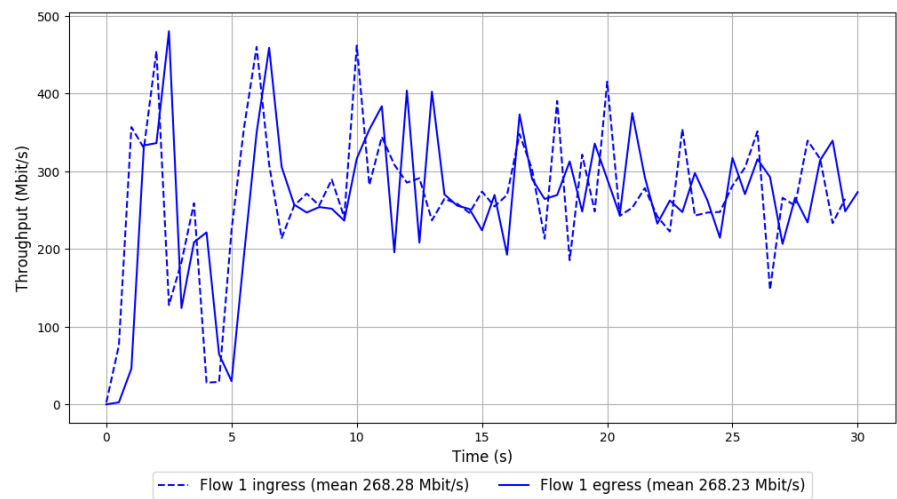
-- Flow 1:

Average throughput: 268.23 Mbit/s

95th percentile per-packet one-way delay: 137.981 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link

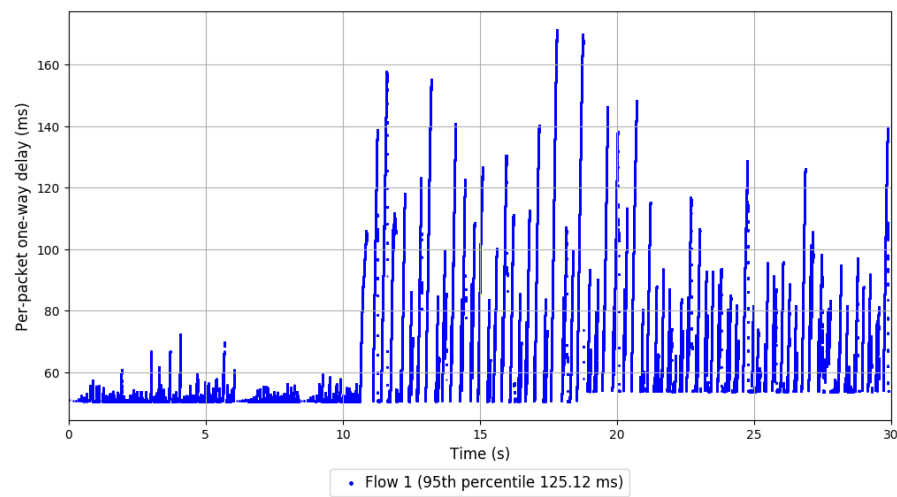
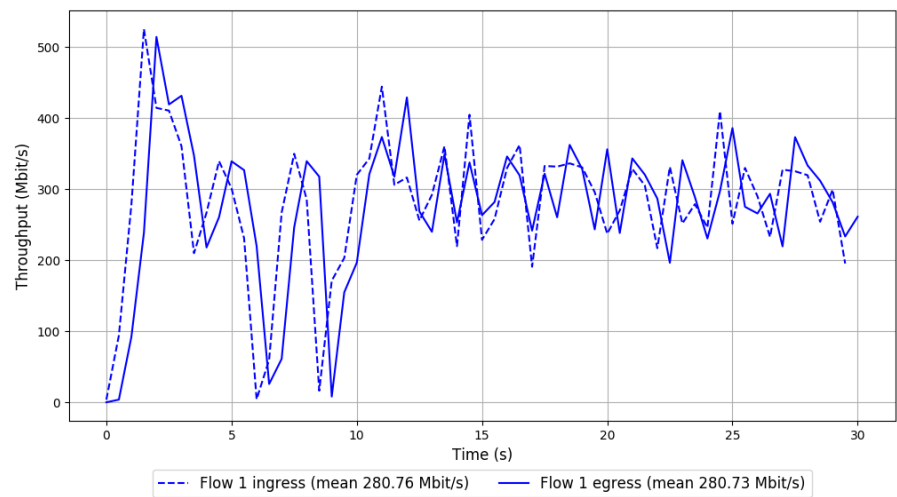


Run 4: Statistics of Verus

Start at: 2018-06-07 01:05:24
End at: 2018-06-07 01:05:54
Local clock offset: -0.484 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-06-07 04:50:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.73 Mbit/s
95th percentile per-packet one-way delay: 125.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 280.73 Mbit/s
95th percentile per-packet one-way delay: 125.116 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

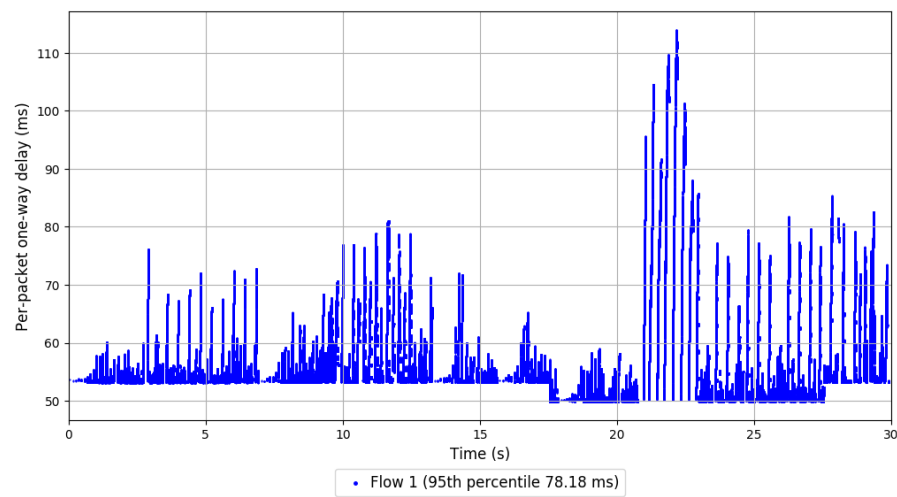
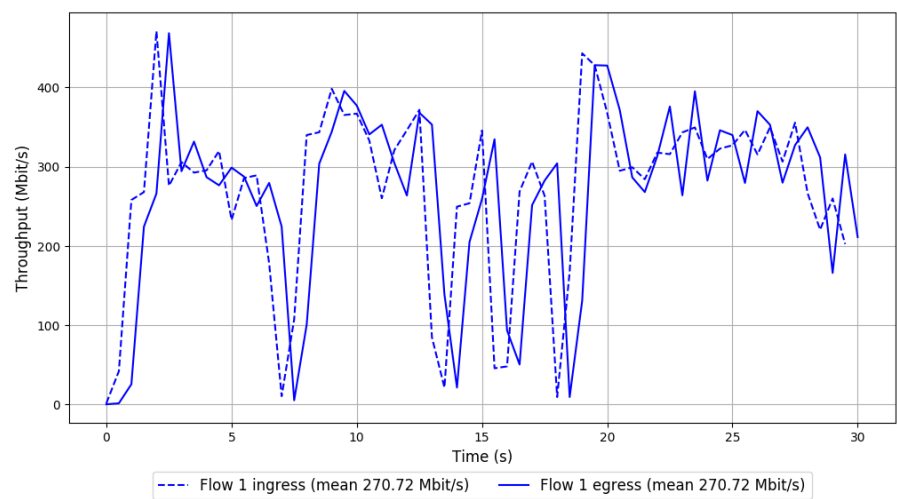


Run 5: Statistics of Verus

Start at: 2018-06-07 01:25:55
End at: 2018-06-07 01:26:25
Local clock offset: 0.278 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-07 04:50:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.72 Mbit/s
95th percentile per-packet one-way delay: 78.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.72 Mbit/s
95th percentile per-packet one-way delay: 78.181 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-07 01:46:52

End at: 2018-06-07 01:47:22

Local clock offset: -0.347 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-06-07 04:50:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.18 Mbit/s

95th percentile per-packet one-way delay: 89.176 ms

Loss rate: 0.00%

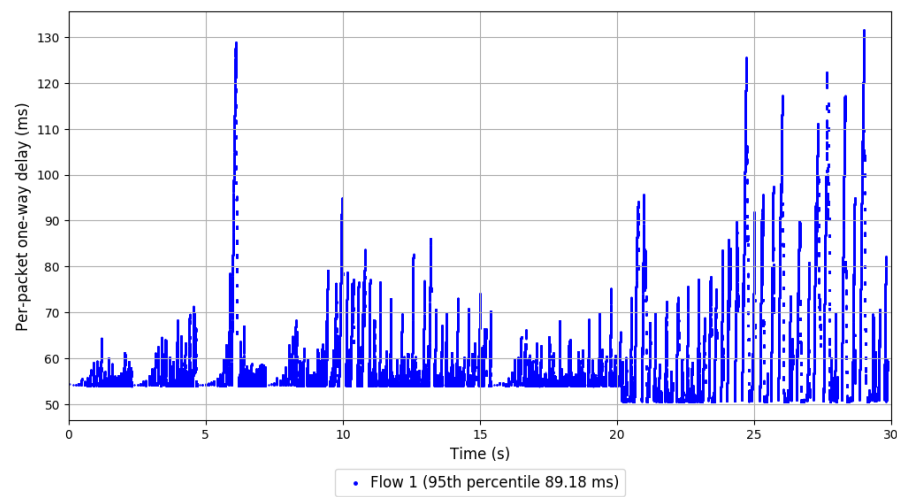
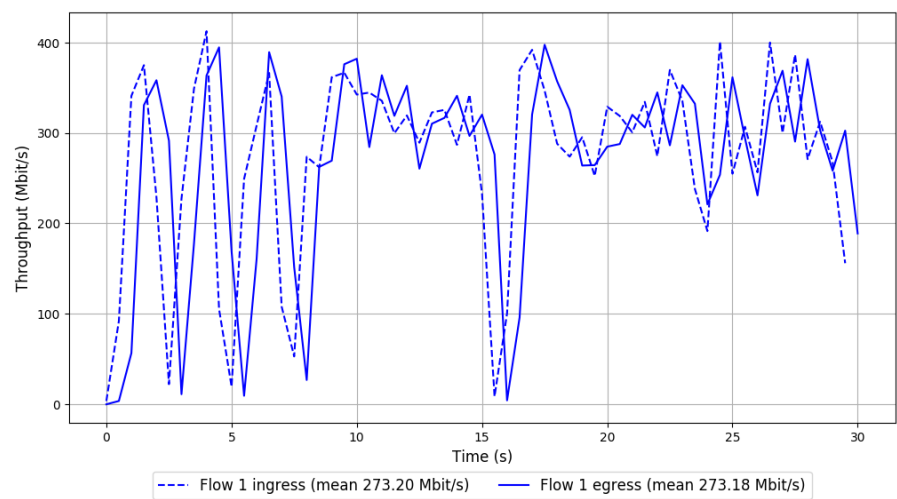
-- Flow 1:

Average throughput: 273.18 Mbit/s

95th percentile per-packet one-way delay: 89.176 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-07 02:07:29

End at: 2018-06-07 02:07:59

Local clock offset: -0.13 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-06-07 04:50:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.61 Mbit/s

95th percentile per-packet one-way delay: 103.766 ms

Loss rate: 0.00%

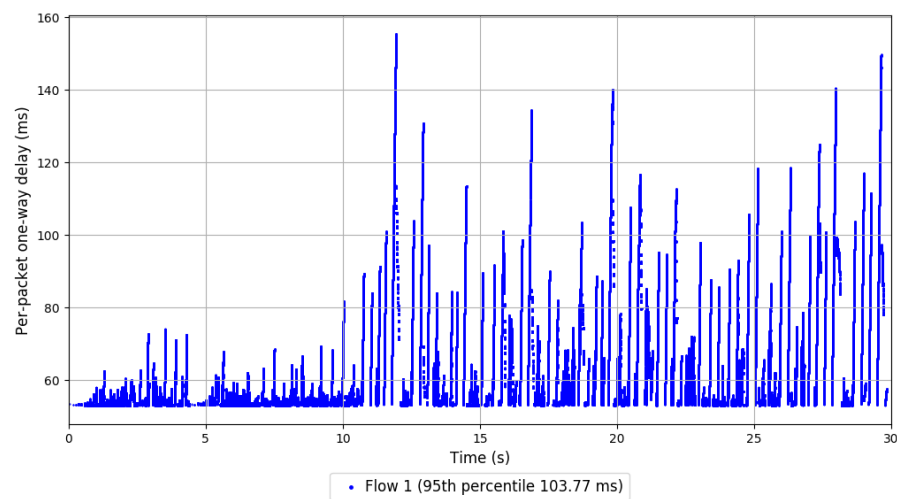
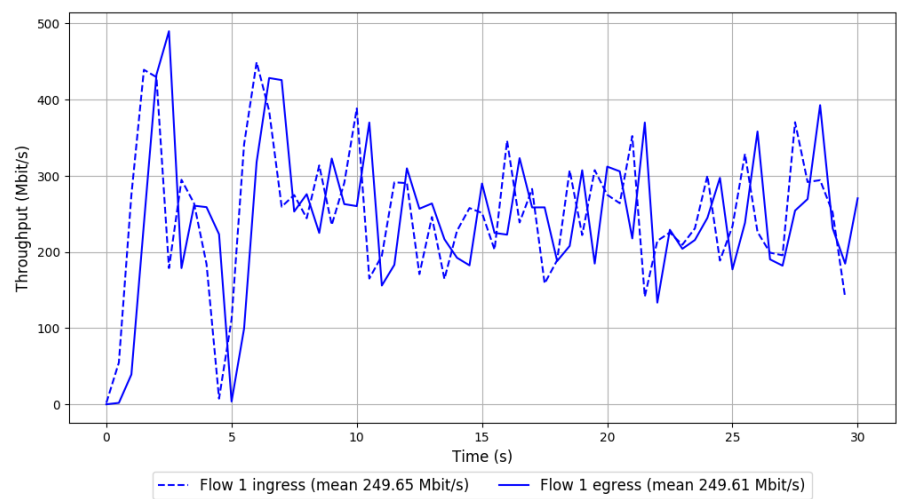
-- Flow 1:

Average throughput: 249.61 Mbit/s

95th percentile per-packet one-way delay: 103.766 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-07 02:27:32

End at: 2018-06-07 02:28:02

Local clock offset: -0.214 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-06-07 04:52:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.07 Mbit/s

95th percentile per-packet one-way delay: 109.094 ms

Loss rate: 0.00%

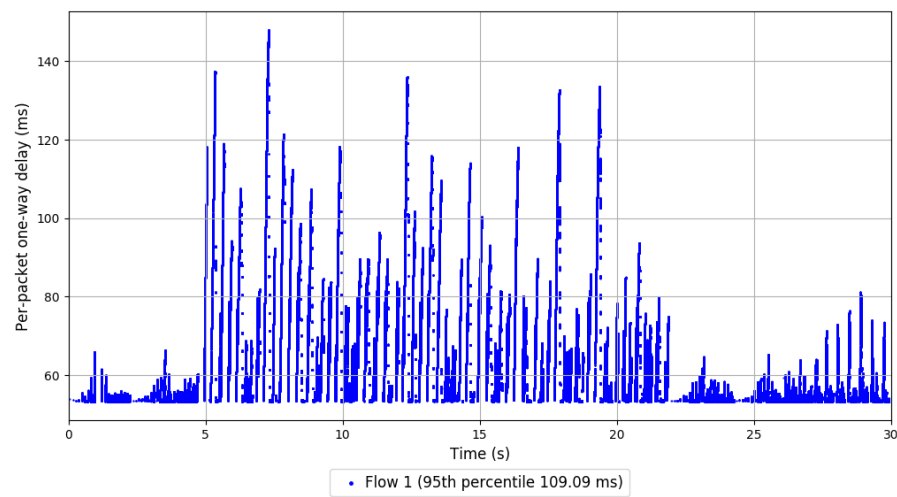
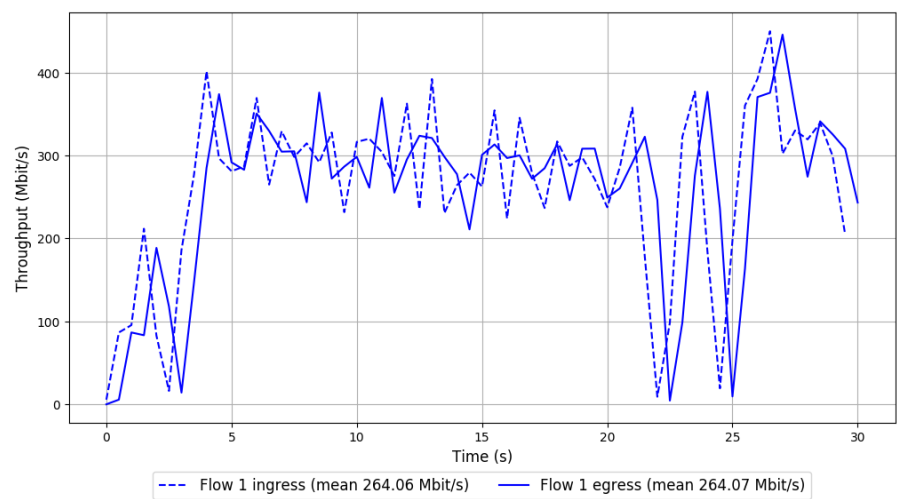
-- Flow 1:

Average throughput: 264.07 Mbit/s

95th percentile per-packet one-way delay: 109.094 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-07 02:48:14

End at: 2018-06-07 02:48:44

Local clock offset: -0.122 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-06-07 04:53:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.00 Mbit/s

95th percentile per-packet one-way delay: 77.189 ms

Loss rate: 0.00%

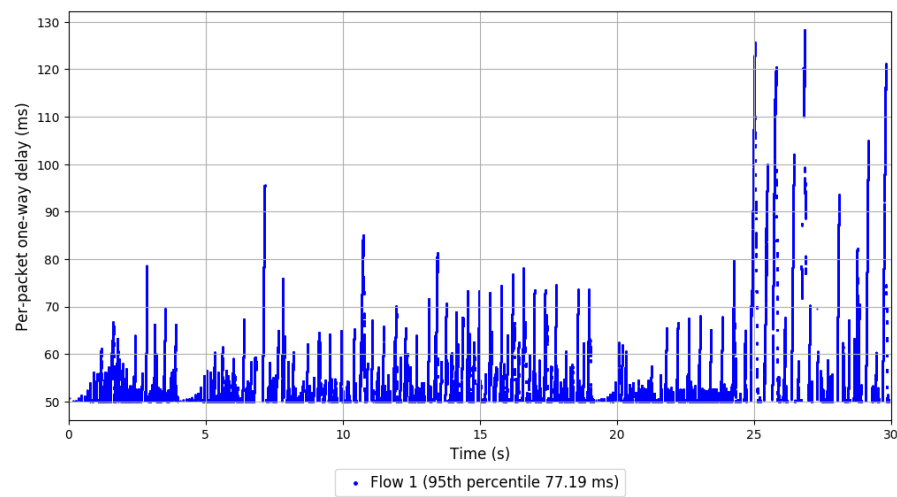
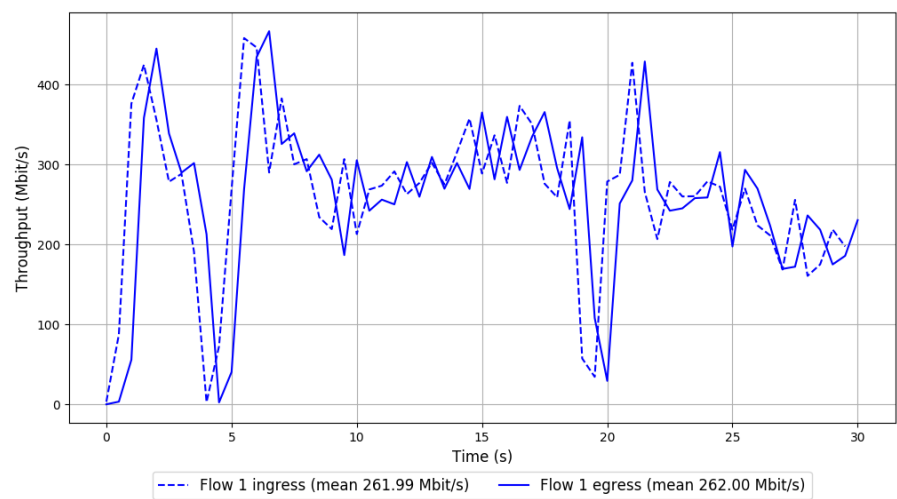
-- Flow 1:

Average throughput: 262.00 Mbit/s

95th percentile per-packet one-way delay: 77.189 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-07 03:08:27

End at: 2018-06-07 03:08:57

Local clock offset: -0.074 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-06-07 04:53:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.38 Mbit/s

95th percentile per-packet one-way delay: 132.797 ms

Loss rate: 0.00%

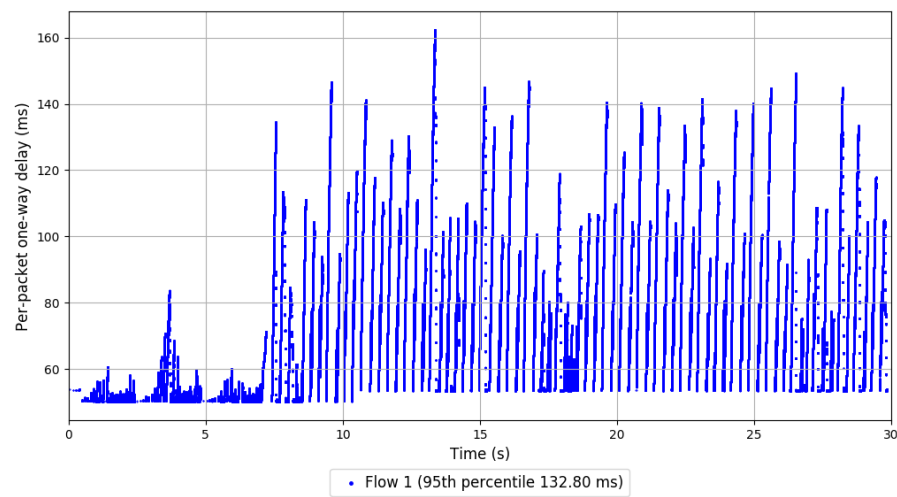
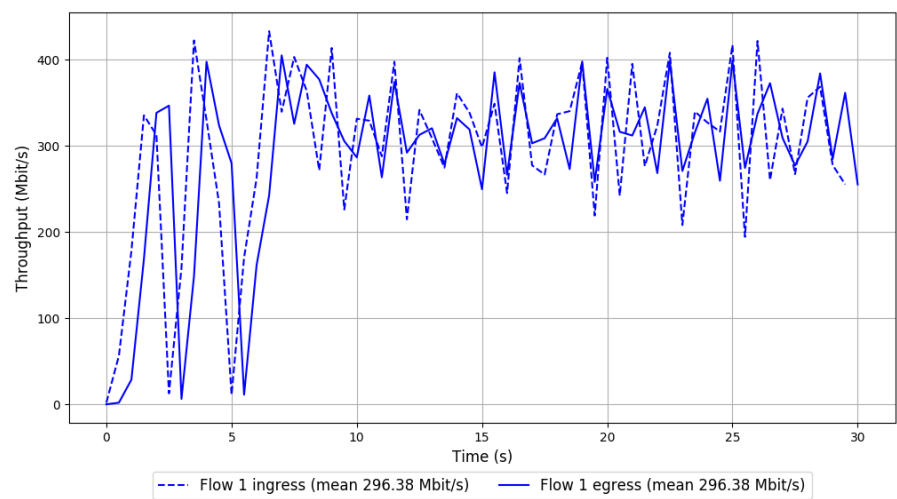
-- Flow 1:

Average throughput: 296.38 Mbit/s

95th percentile per-packet one-way delay: 132.797 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link

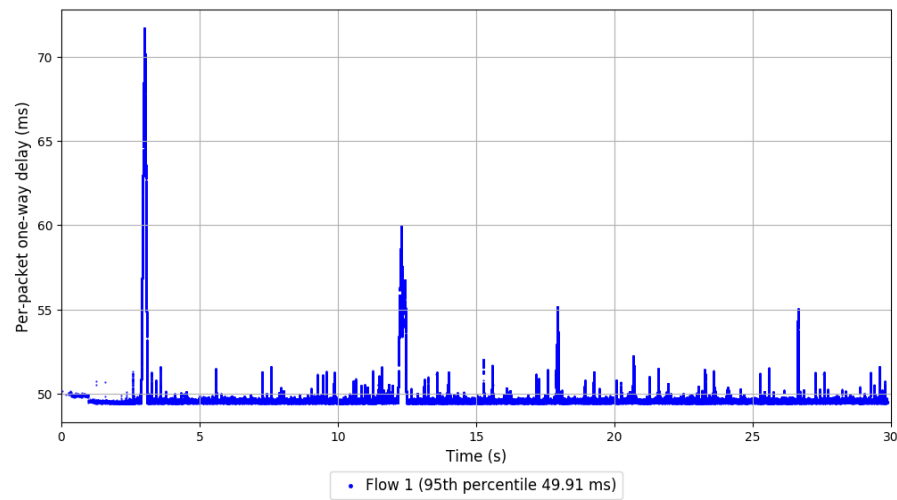
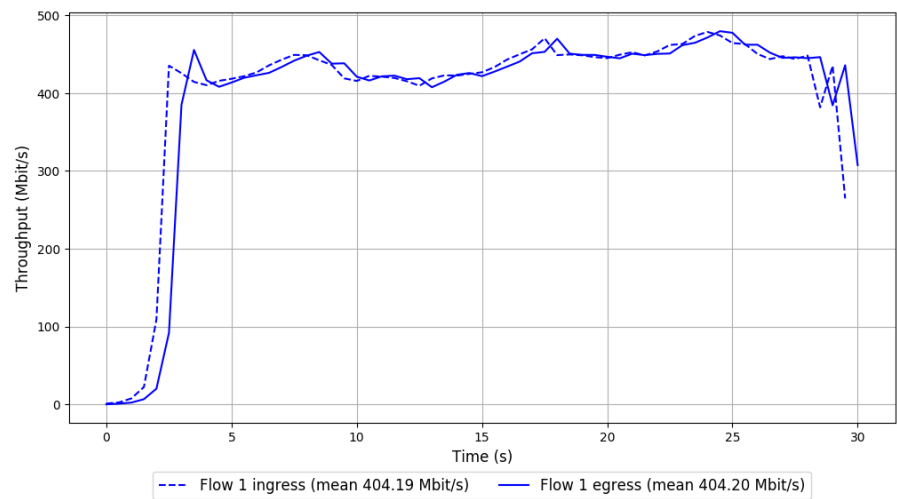


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-07 00:09:01
End at: 2018-06-07 00:09:31
Local clock offset: 0.059 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-06-07 04:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 404.20 Mbit/s
95th percentile per-packet one-way delay: 49.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 404.20 Mbit/s
95th percentile per-packet one-way delay: 49.908 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-07 00:29:43

End at: 2018-06-07 00:30:13

Local clock offset: 0.133 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-06-07 04:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 419.82 Mbit/s

95th percentile per-packet one-way delay: 53.902 ms

Loss rate: 0.00%

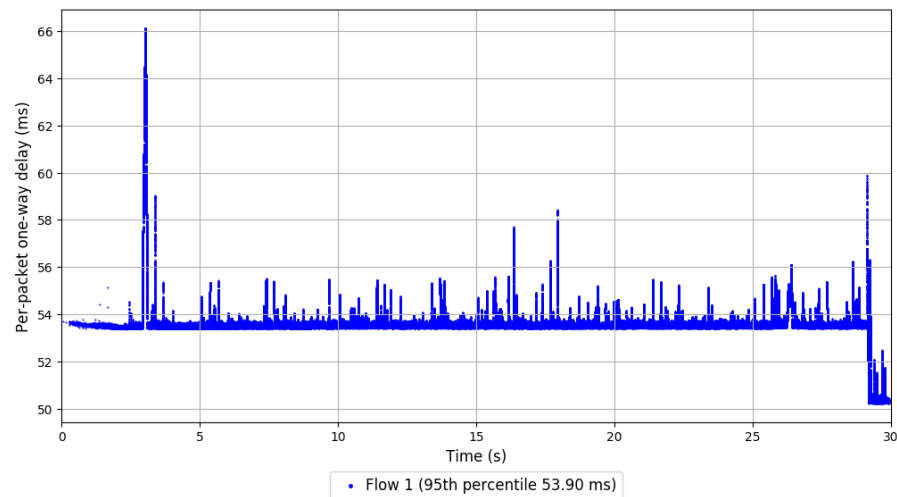
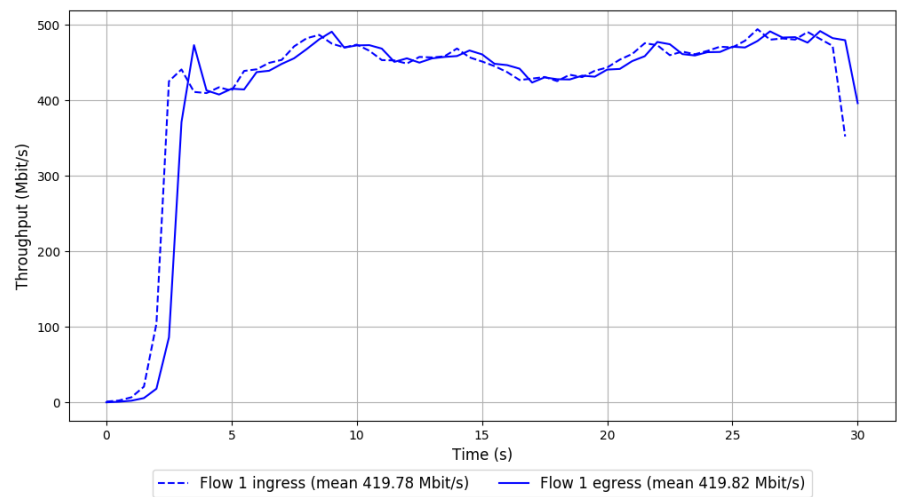
-- Flow 1:

Average throughput: 419.82 Mbit/s

95th percentile per-packet one-way delay: 53.902 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-07 00:50:12

End at: 2018-06-07 00:50:42

Local clock offset: -0.05 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-06-07 04:57:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 406.68 Mbit/s

95th percentile per-packet one-way delay: 55.121 ms

Loss rate: 0.00%

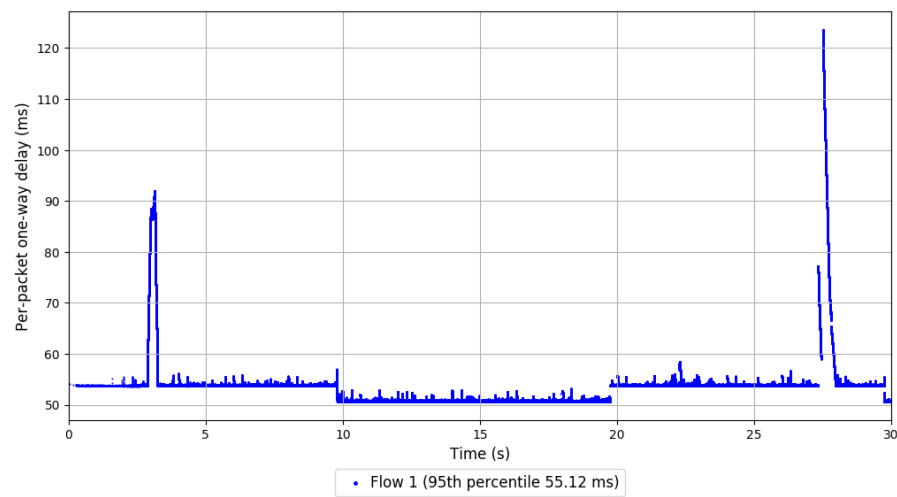
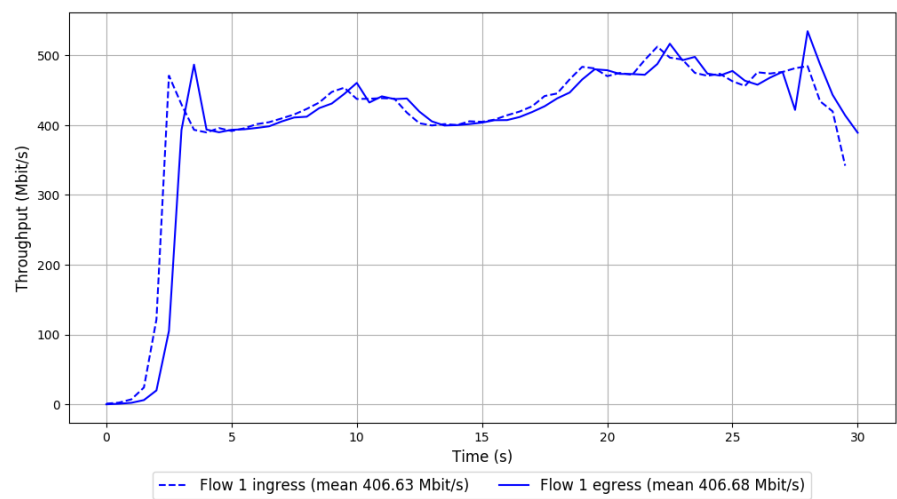
-- Flow 1:

Average throughput: 406.68 Mbit/s

95th percentile per-packet one-way delay: 55.121 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-07 01:10:28

End at: 2018-06-07 01:10:59

Local clock offset: 0.163 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-07 04:57:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.93 Mbit/s

95th percentile per-packet one-way delay: 53.132 ms

Loss rate: 0.00%

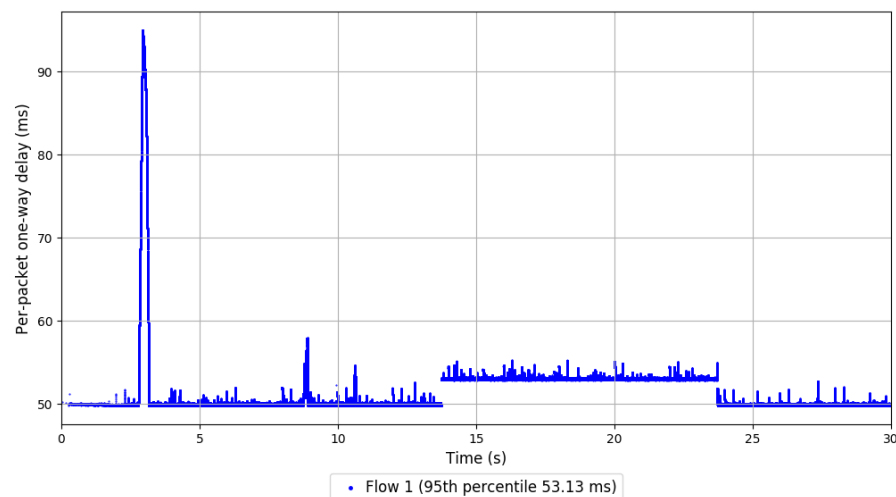
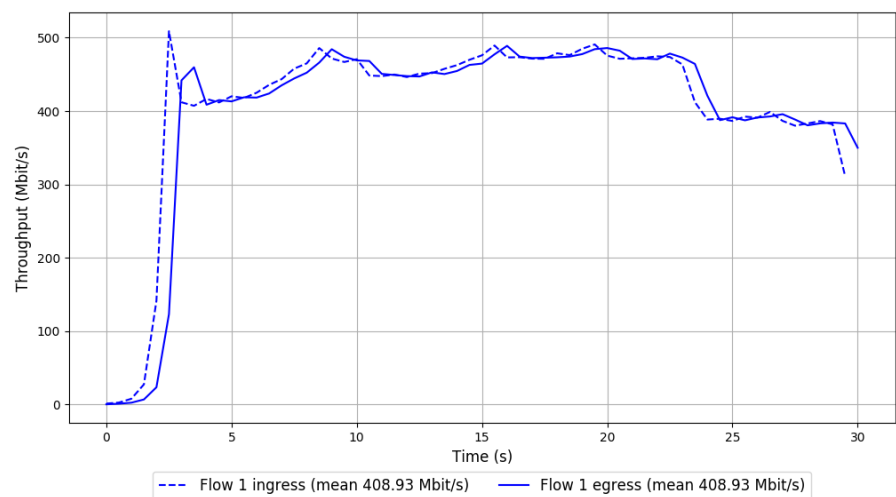
-- Flow 1:

Average throughput: 408.93 Mbit/s

95th percentile per-packet one-way delay: 53.132 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

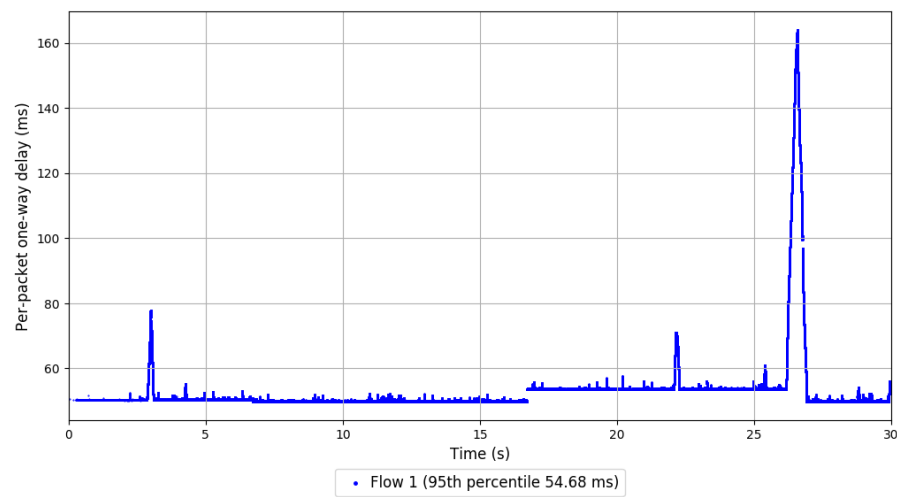
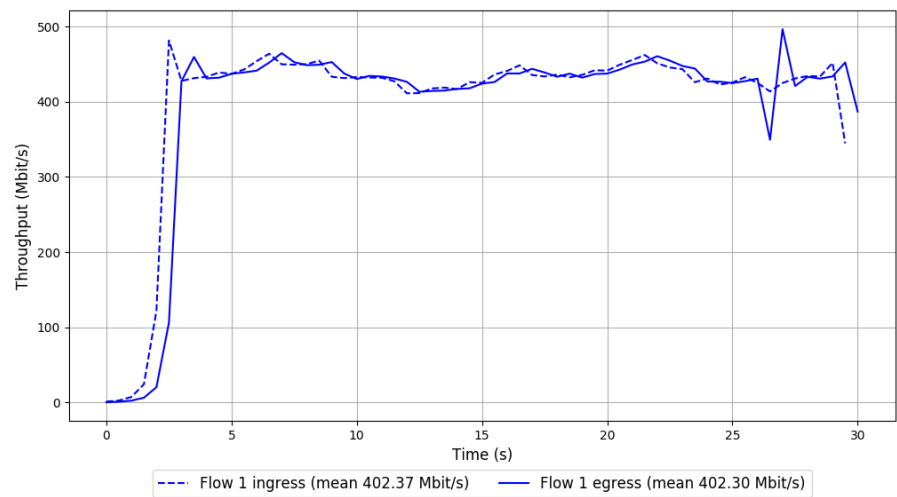


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-07 01:31:06
End at: 2018-06-07 01:31:36
Local clock offset: 0.003 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-06-07 04:57:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 402.30 Mbit/s
95th percentile per-packet one-way delay: 54.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 402.30 Mbit/s
95th percentile per-packet one-way delay: 54.684 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-07 01:51:58

End at: 2018-06-07 01:52:28

Local clock offset: 0.084 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-07 04:59:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.45 Mbit/s

95th percentile per-packet one-way delay: 54.341 ms

Loss rate: 0.00%

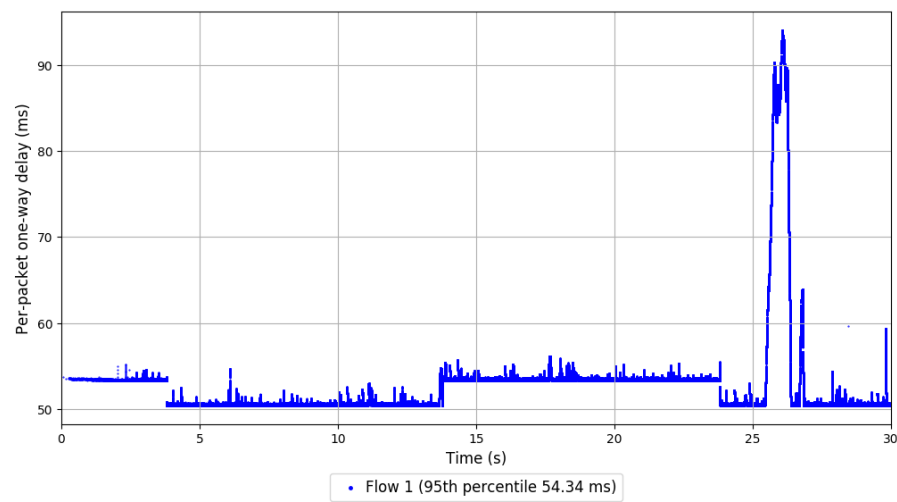
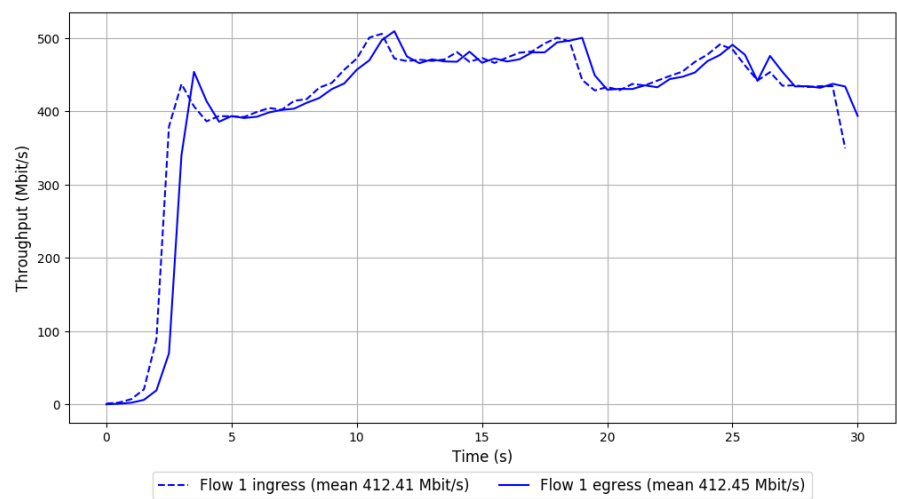
-- Flow 1:

Average throughput: 412.45 Mbit/s

95th percentile per-packet one-way delay: 54.341 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-07 02:12:23

End at: 2018-06-07 02:12:53

Local clock offset: 0.164 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-06-07 04:59:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.52 Mbit/s

95th percentile per-packet one-way delay: 55.065 ms

Loss rate: 0.00%

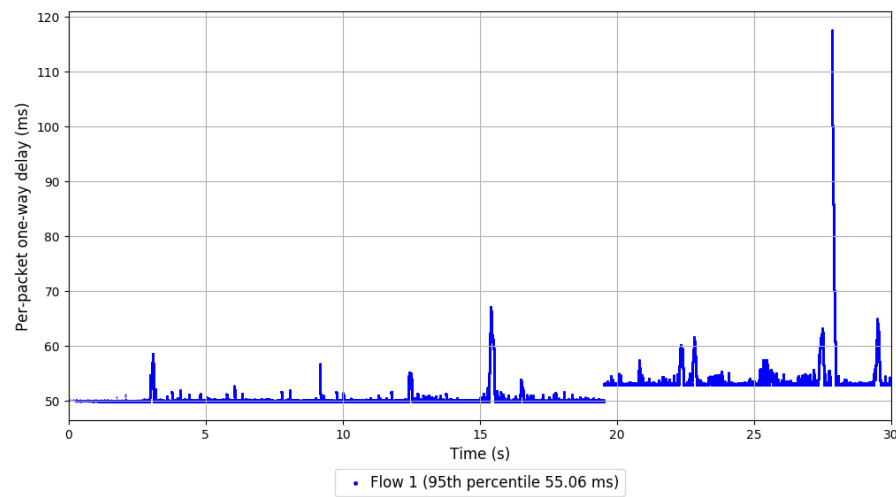
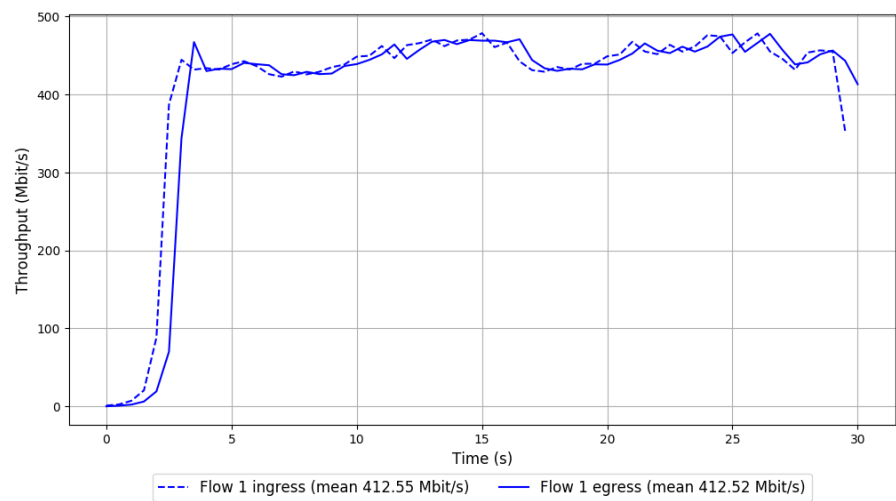
-- Flow 1:

Average throughput: 412.52 Mbit/s

95th percentile per-packet one-way delay: 55.065 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-07 02:32:24

End at: 2018-06-07 02:32:54

Local clock offset: -0.043 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-06-07 04:59:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.45 Mbit/s

95th percentile per-packet one-way delay: 51.240 ms

Loss rate: 0.00%

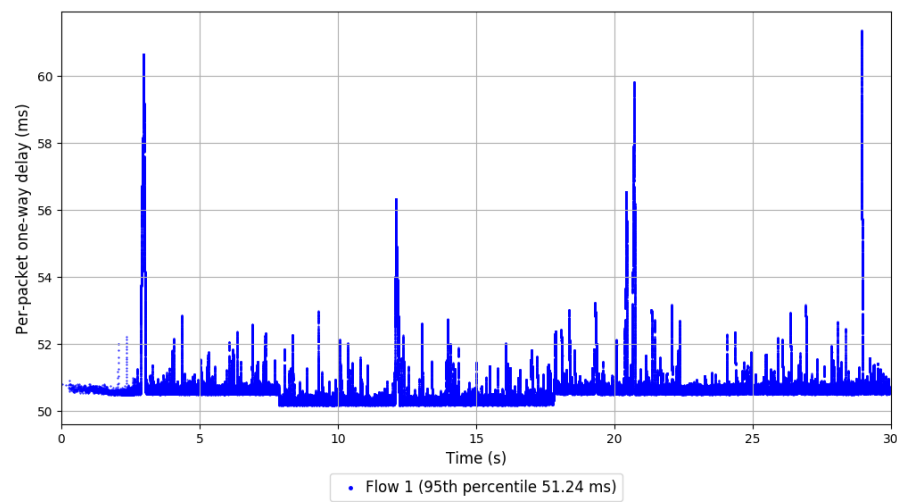
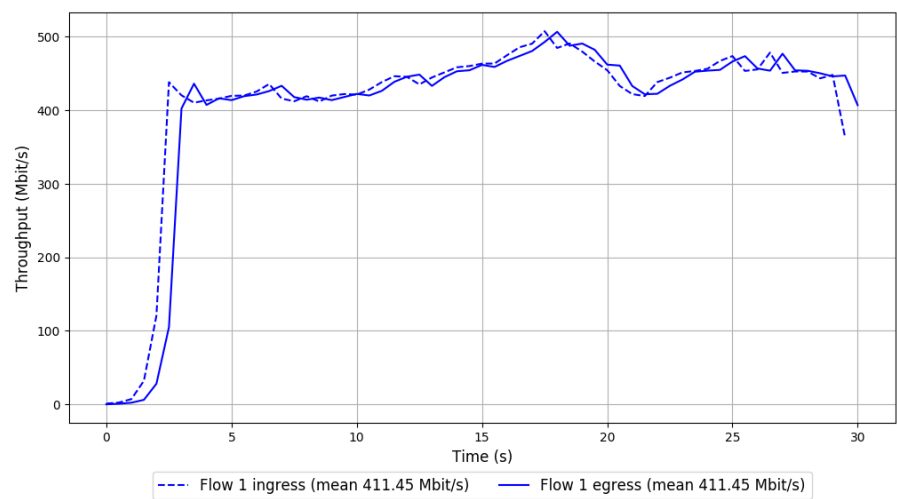
-- Flow 1:

Average throughput: 411.45 Mbit/s

95th percentile per-packet one-way delay: 51.240 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-07 02:53:23

End at: 2018-06-07 02:53:53

Local clock offset: -0.492 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-06-07 05:00:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 419.42 Mbit/s

95th percentile per-packet one-way delay: 53.666 ms

Loss rate: 0.00%

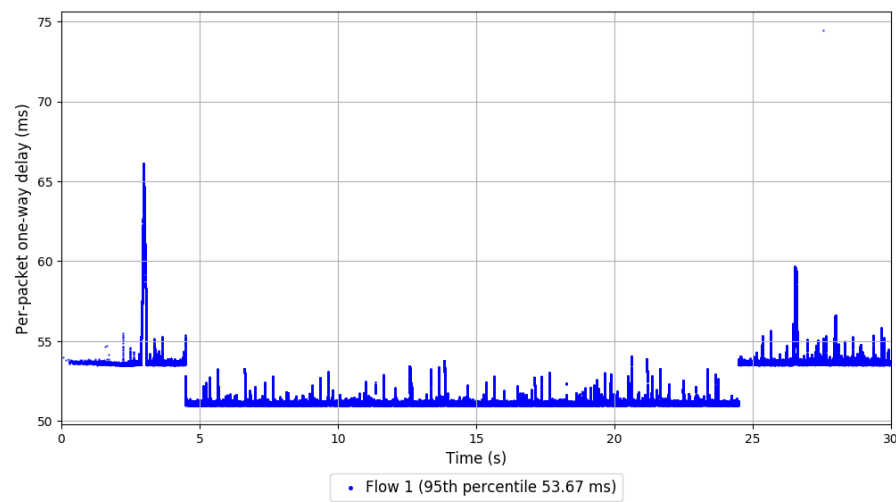
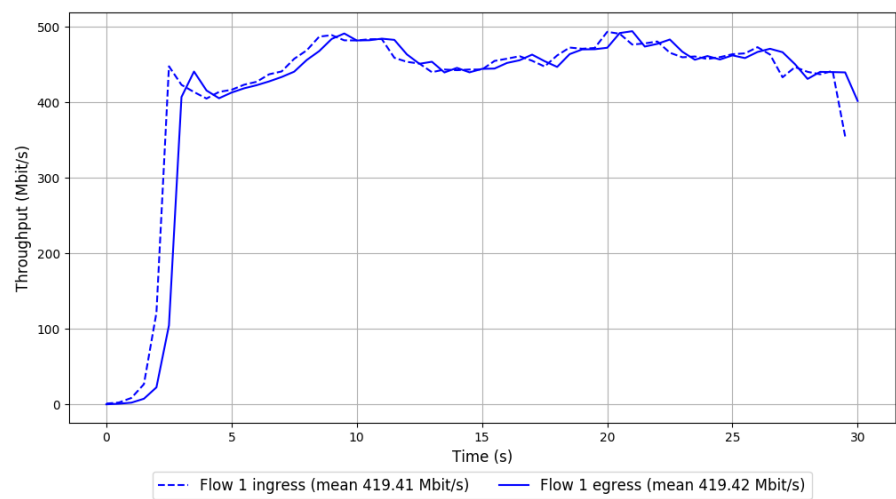
-- Flow 1:

Average throughput: 419.42 Mbit/s

95th percentile per-packet one-way delay: 53.666 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

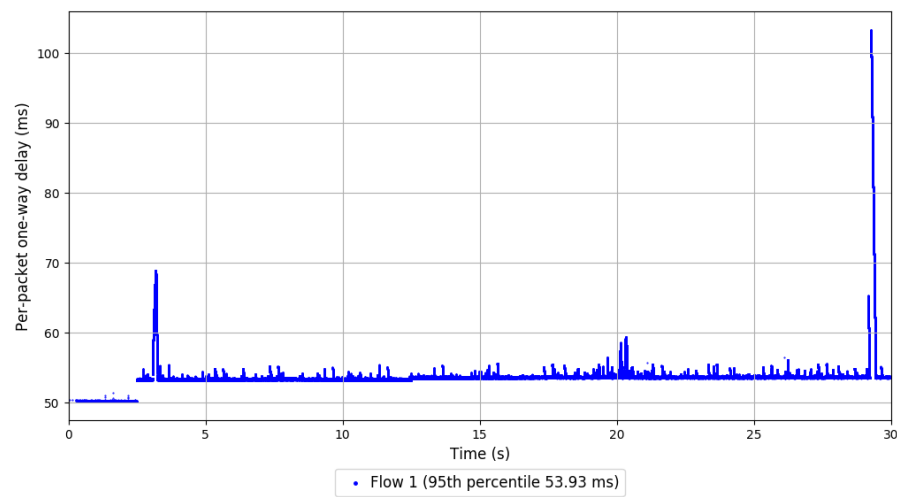
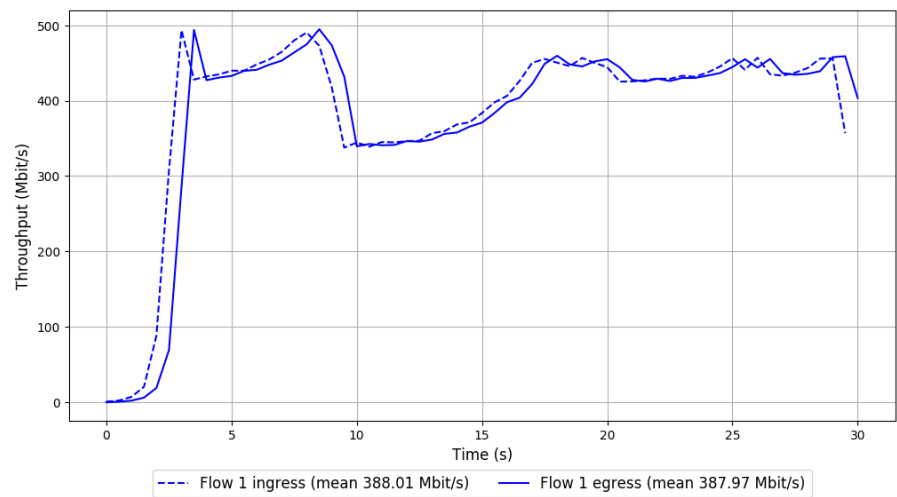


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-07 03:13:35
End at: 2018-06-07 03:14:05
Local clock offset: -0.266 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-06-07 05:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 387.97 Mbit/s
95th percentile per-packet one-way delay: 53.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 387.97 Mbit/s
95th percentile per-packet one-way delay: 53.932 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

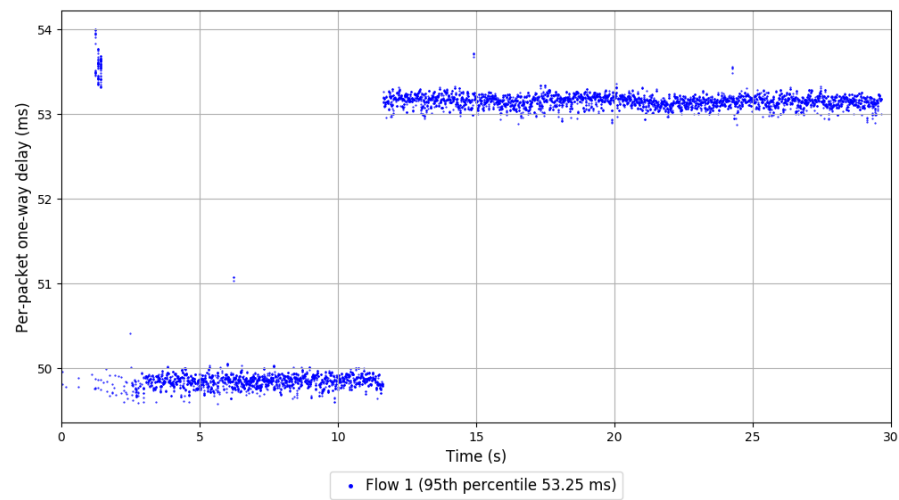
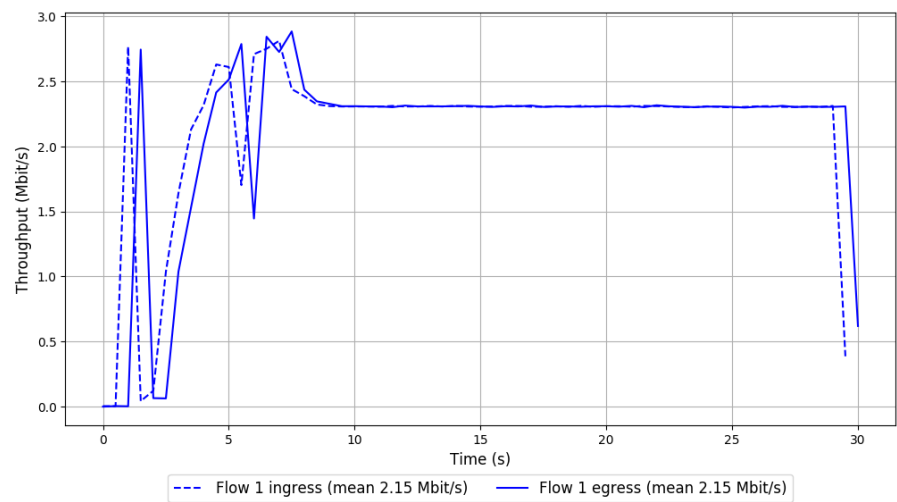


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-07 00:11:40
End at: 2018-06-07 00:12:10
Local clock offset: 0.14 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-06-07 05:00:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 53.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 53.254 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

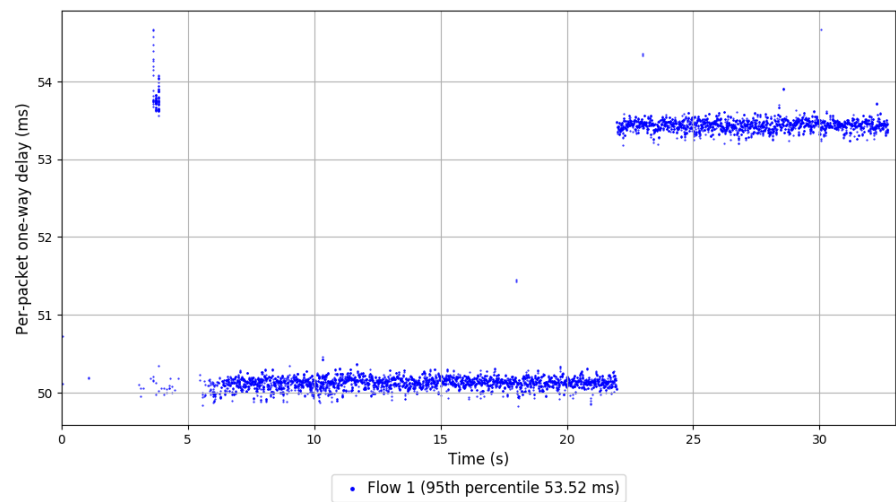
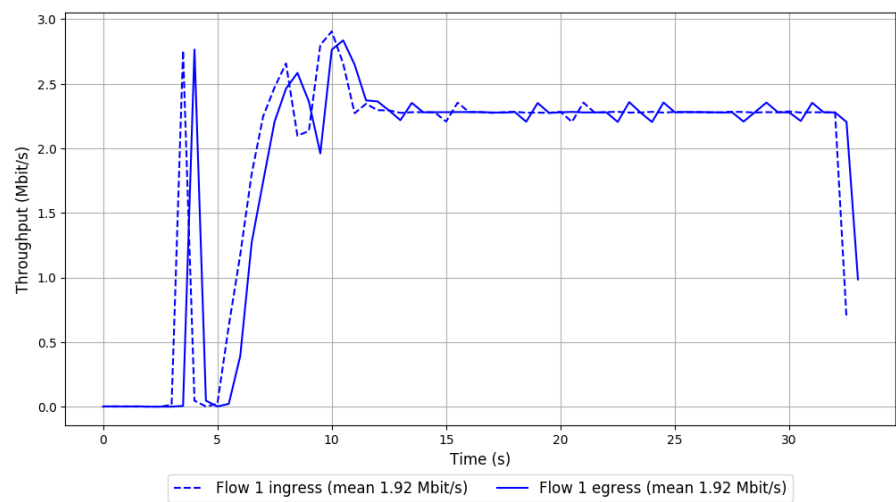


Run 2: Statistics of WebRTC media

Start at: 2018-06-07 00:32:23
End at: 2018-06-07 00:32:53
Local clock offset: -0.232 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-06-07 05:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 53.522 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

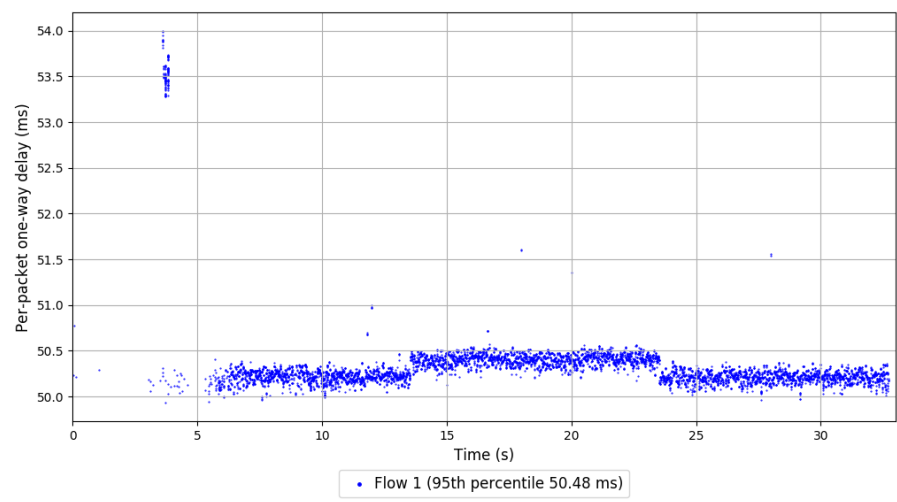
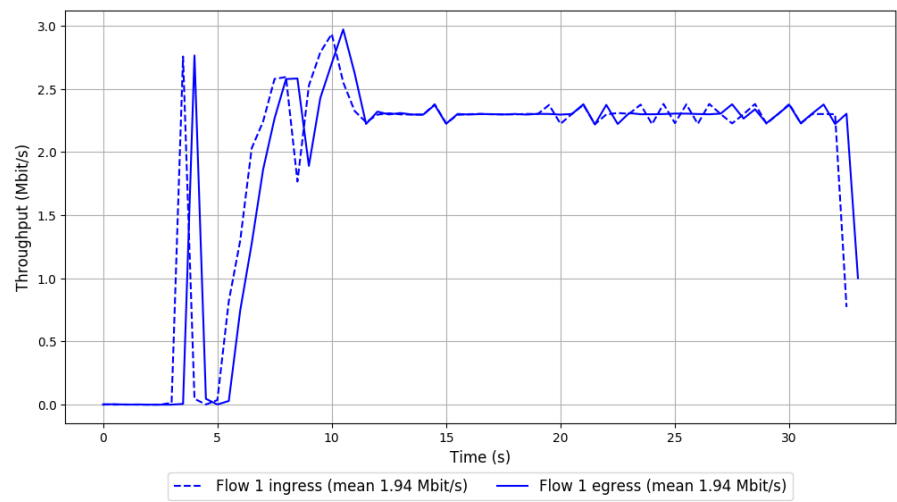


Run 3: Statistics of WebRTC media

Start at: 2018-06-07 00:52:51
End at: 2018-06-07 00:53:21
Local clock offset: 0.042 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-06-07 05:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.483 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

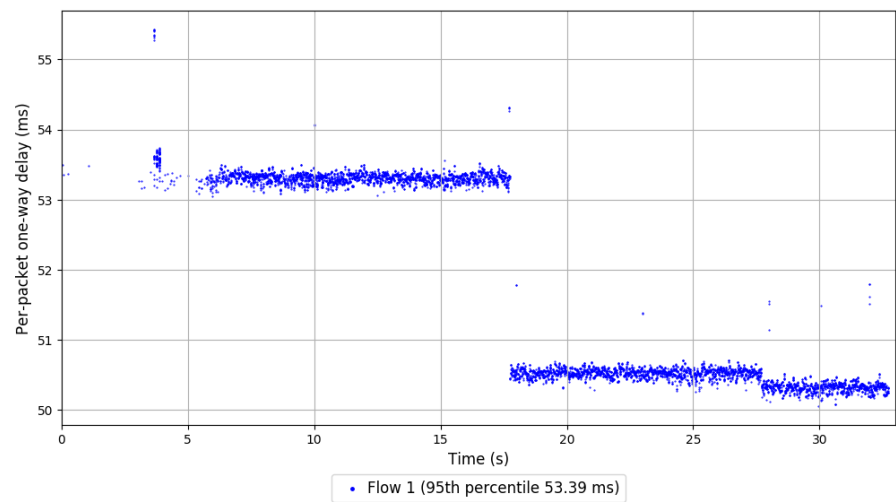
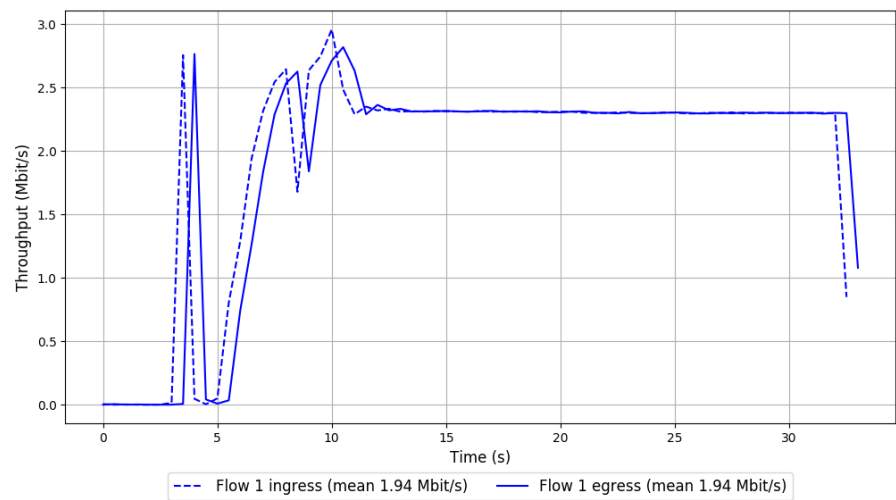


Run 4: Statistics of WebRTC media

Start at: 2018-06-07 01:13:07
End at: 2018-06-07 01:13:37
Local clock offset: 0.02 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-06-07 05:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.394 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

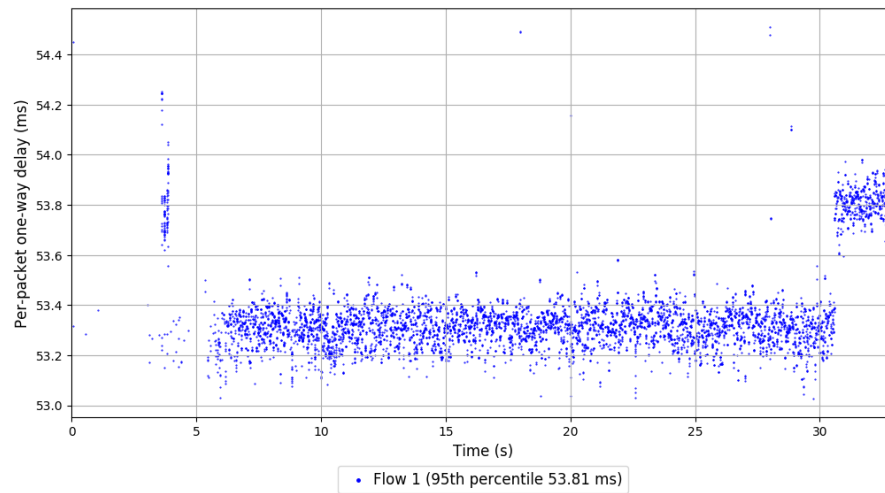
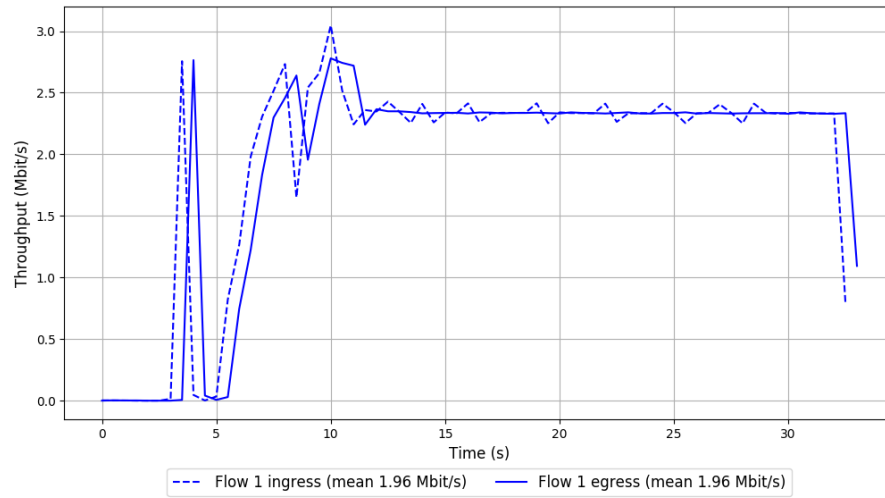


Run 5: Statistics of WebRTC media

Start at: 2018-06-07 01:33:44
End at: 2018-06-07 01:34:14
Local clock offset: -0.163 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-07 05:00:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 53.806 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-07 01:54:37

End at: 2018-06-07 01:55:07

Local clock offset: -0.053 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-06-07 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.718 ms

Loss rate: 0.00%

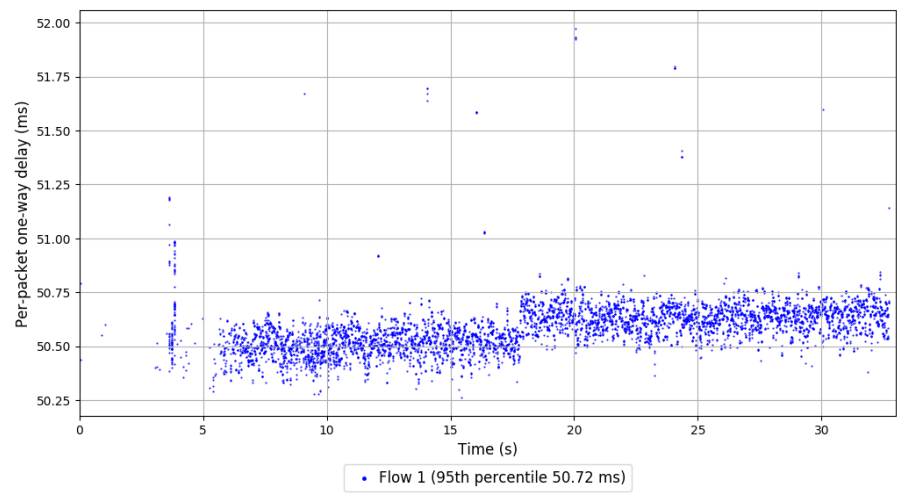
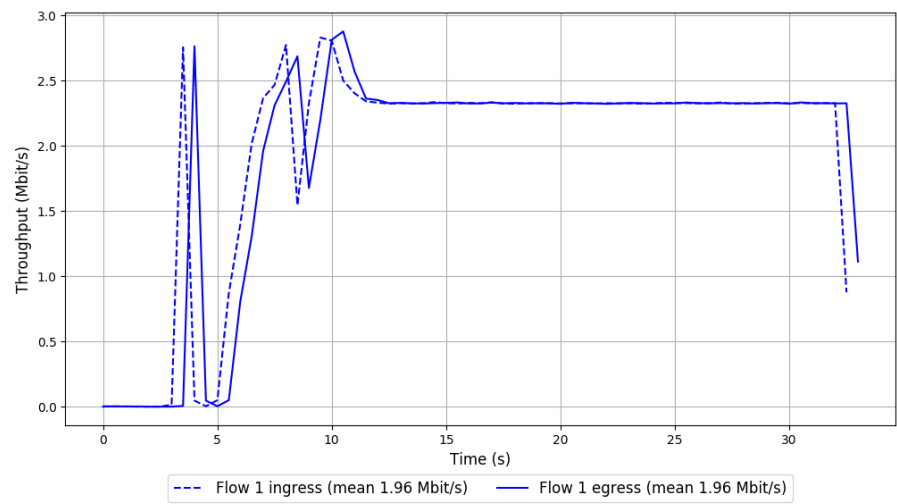
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 50.718 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-07 02:15:02

End at: 2018-06-07 02:15:32

Local clock offset: -0.223 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-06-07 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 53.495 ms

Loss rate: 0.00%

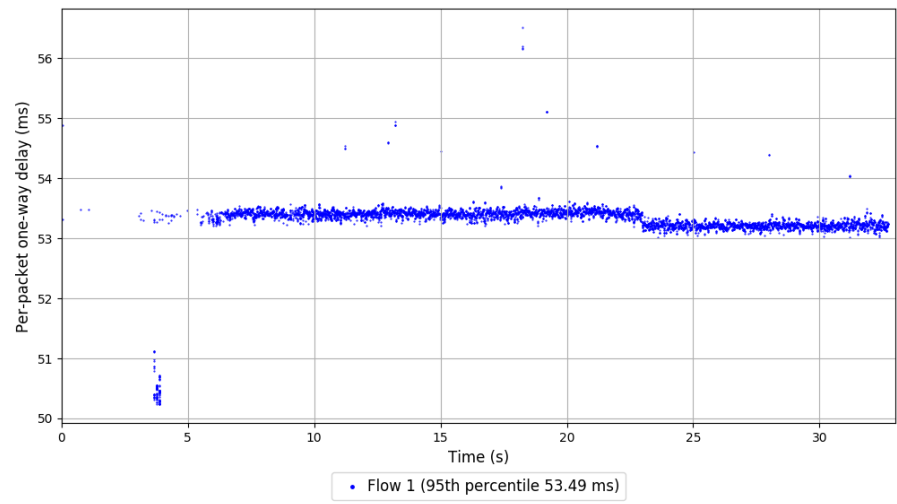
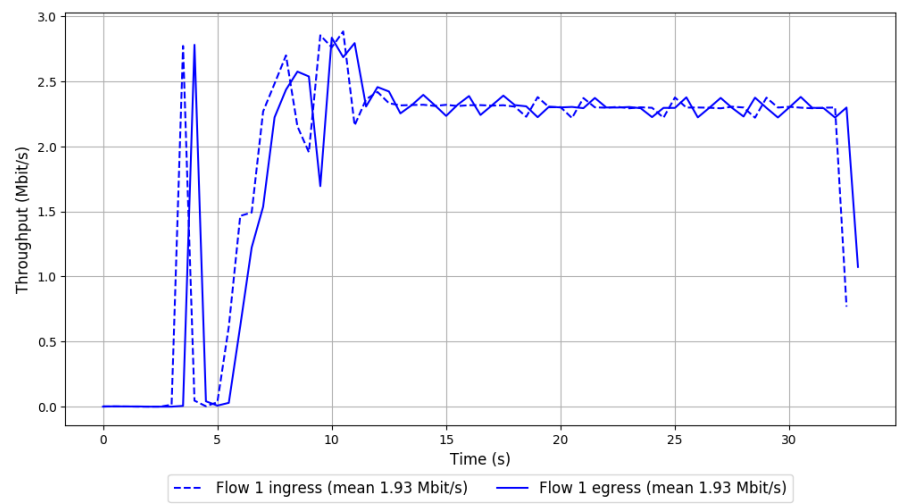
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 53.495 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-07 02:35:04

End at: 2018-06-07 02:35:34

Local clock offset: -0.173 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-06-07 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 50.950 ms

Loss rate: 0.00%

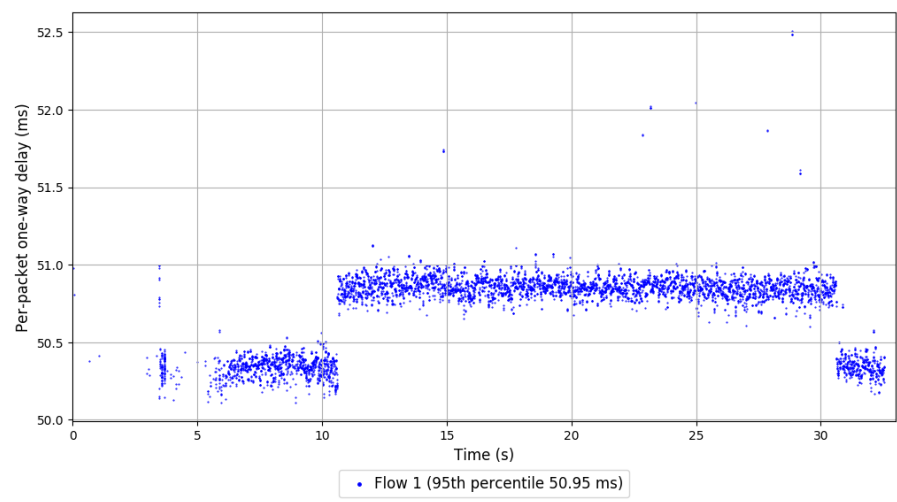
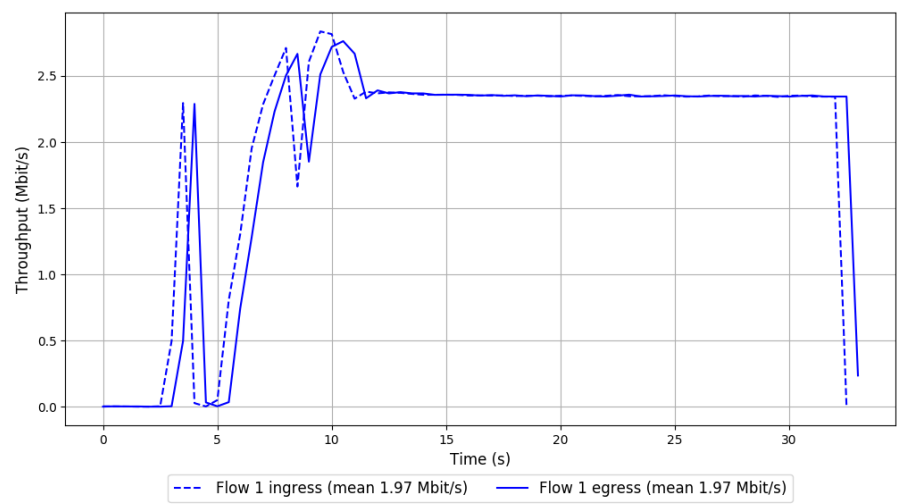
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 50.950 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-07 02:56:03

End at: 2018-06-07 02:56:33

Local clock offset: -0.144 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-06-07 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 54.077 ms

Loss rate: 0.00%

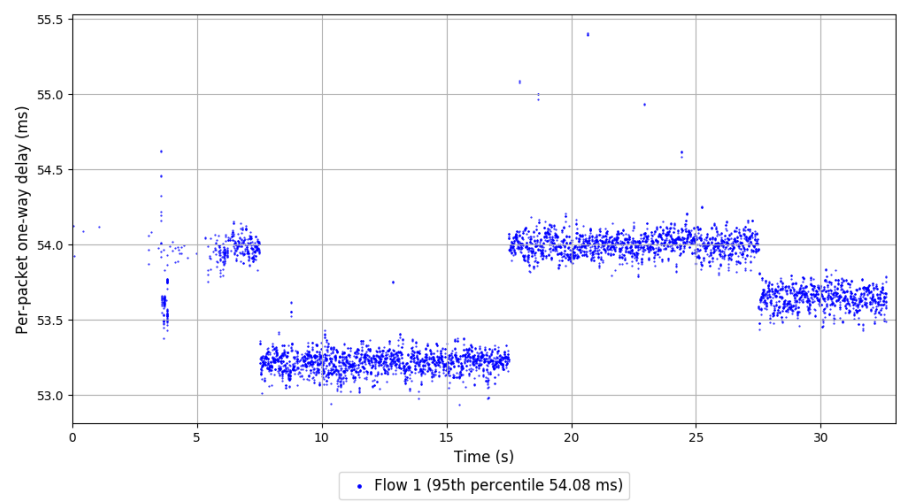
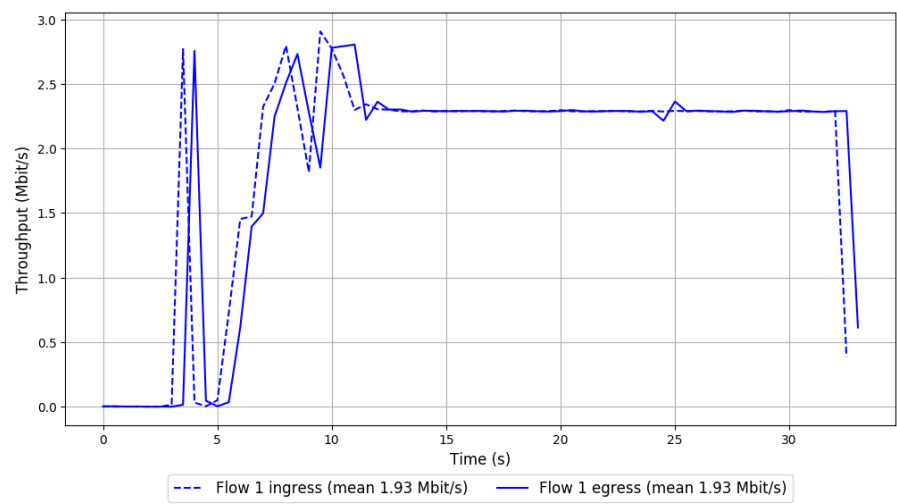
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 54.077 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-07 03:16:13

End at: 2018-06-07 03:16:43

Local clock offset: -0.31 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-06-07 05:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 54.226 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 54.226 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

