

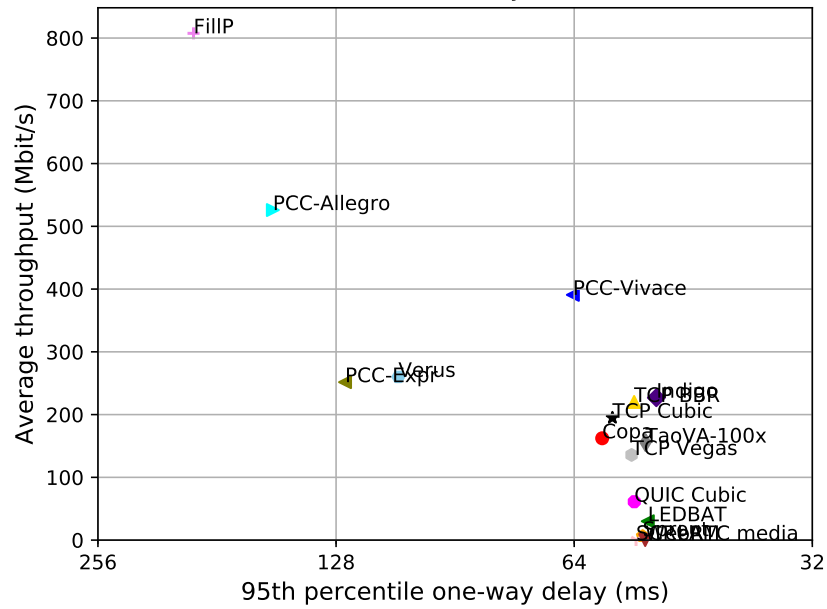
Pantheon Report

Generated at 2018-05-26 14:15:16 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).
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.

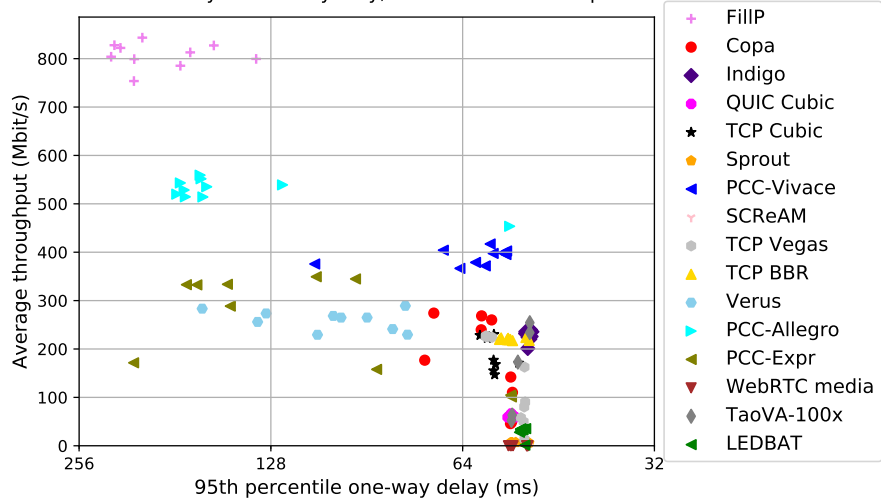
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	220.15	53.75	0.35
Copa	10	162.24	58.99	0.32
TCP Cubic	10	194.87	57.26	0.42
FillP	10	807.51	193.83	3.46
Indigo	10	226.87	50.39	0.34
LEDBAT	10	30.05	51.66	0.87
PCC-Allegro	10	525.92	153.86	1.21
PCC-Expr	10	251.68	124.70	2.04
QUIC Cubic	10	61.17	53.73	0.56
SCReAM	10	0.21	53.46	0.36
Sprout	10	6.41	52.45	0.43
TaoVA-100x	5	155.42	52.00	0.26
TCP Vegas	10	135.70	54.16	0.35
Verus	10	260.04	106.78	1.02
PCC-Vivace	10	390.80	64.25	0.47
WebRTC media	9	0.05	52.05	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-26 09:14:58

End at: 2018-05-26 09:15:29

Local clock offset: -0.124 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-05-26 12:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.29 Mbit/s

95th percentile per-packet one-way delay: 53.442 ms

Loss rate: 0.35%

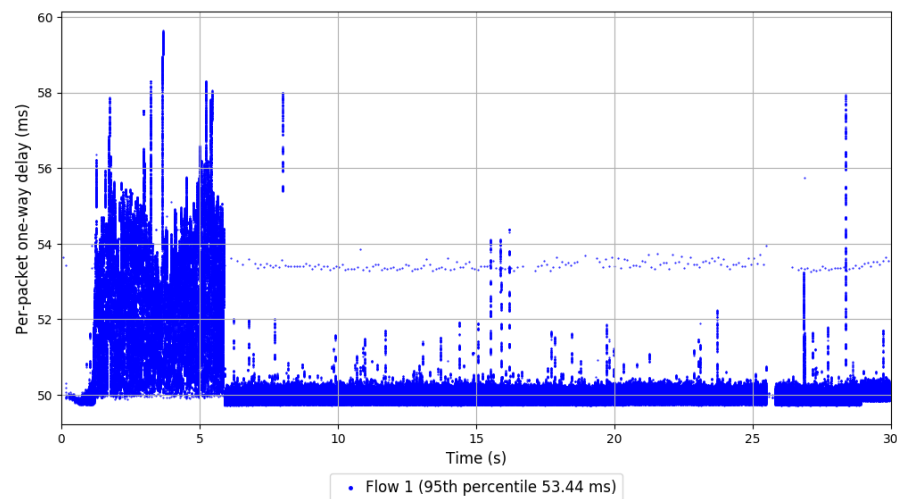
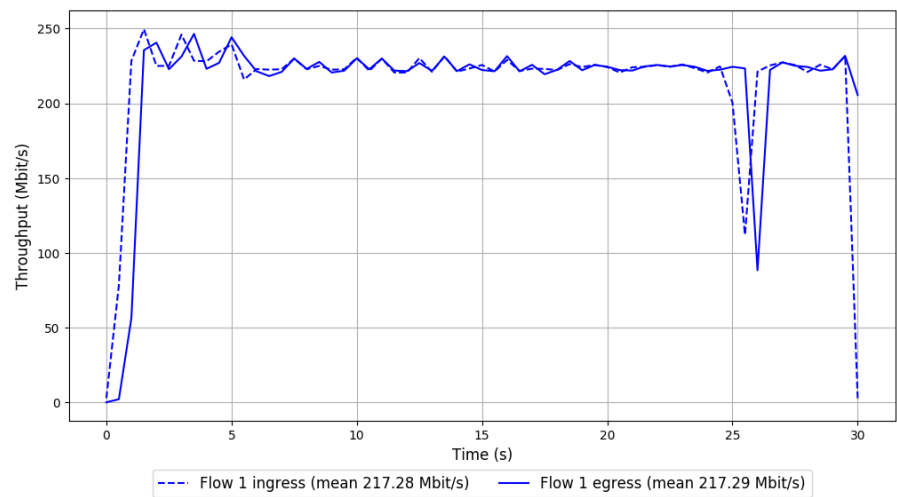
-- Flow 1:

Average throughput: 217.29 Mbit/s

95th percentile per-packet one-way delay: 53.442 ms

Loss rate: 0.35%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-26 09:35:16

End at: 2018-05-26 09:35:46

Local clock offset: 0.396 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-05-26 12:46:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.30 Mbit/s

95th percentile per-packet one-way delay: 54.502 ms

Loss rate: 0.37%

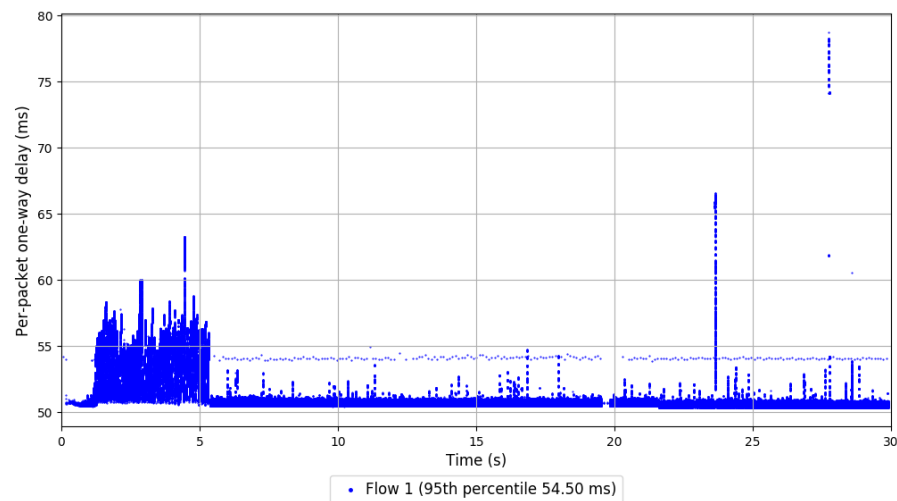
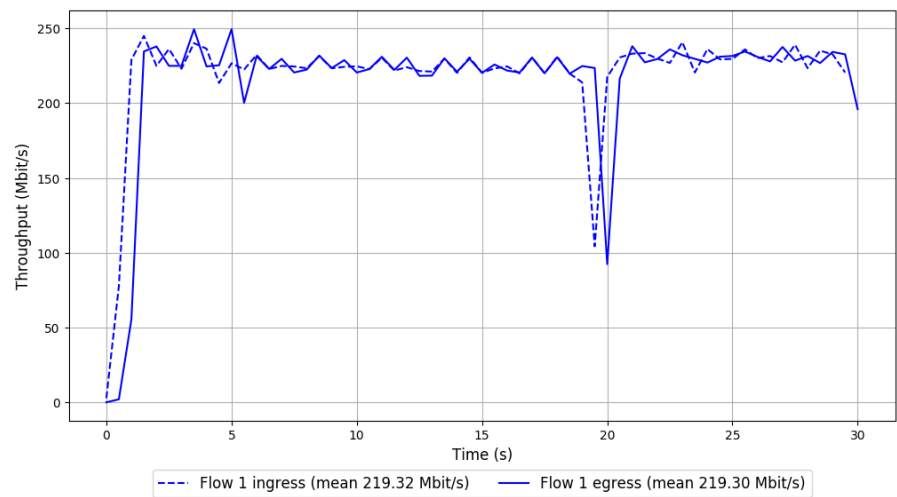
-- Flow 1:

Average throughput: 219.30 Mbit/s

95th percentile per-packet one-way delay: 54.502 ms

Loss rate: 0.37%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-26 09:56:00

End at: 2018-05-26 09:56:30

Local clock offset: 0.145 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-05-26 12:46:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.12 Mbit/s

95th percentile per-packet one-way delay: 54.305 ms

Loss rate: 0.36%

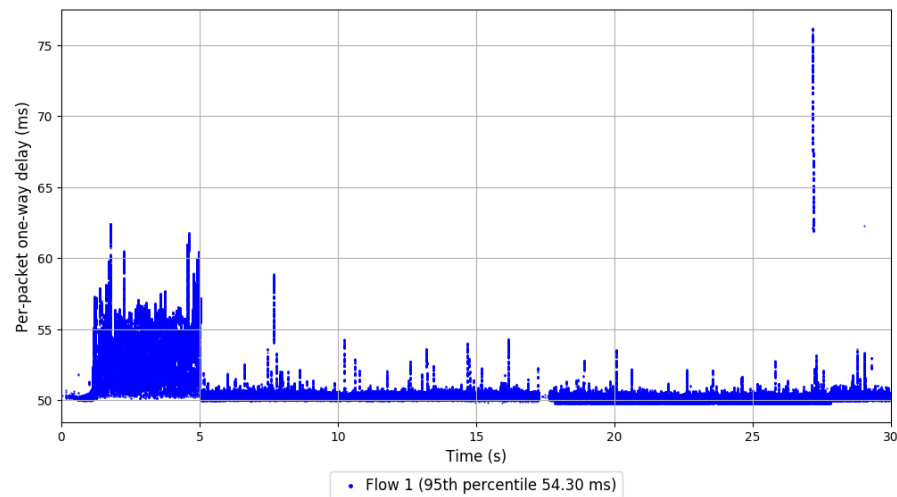
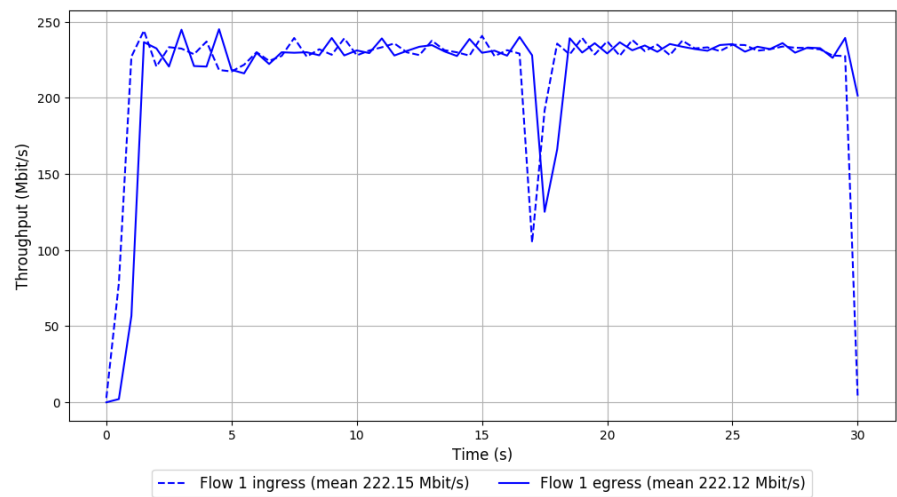
-- Flow 1:

Average throughput: 222.12 Mbit/s

95th percentile per-packet one-way delay: 54.305 ms

Loss rate: 0.36%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-26 10:16:22

End at: 2018-05-26 10:16:52

Local clock offset: 0.357 ms

Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-05-26 12:46:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.77 Mbit/s

95th percentile per-packet one-way delay: 56.005 ms

Loss rate: 0.34%

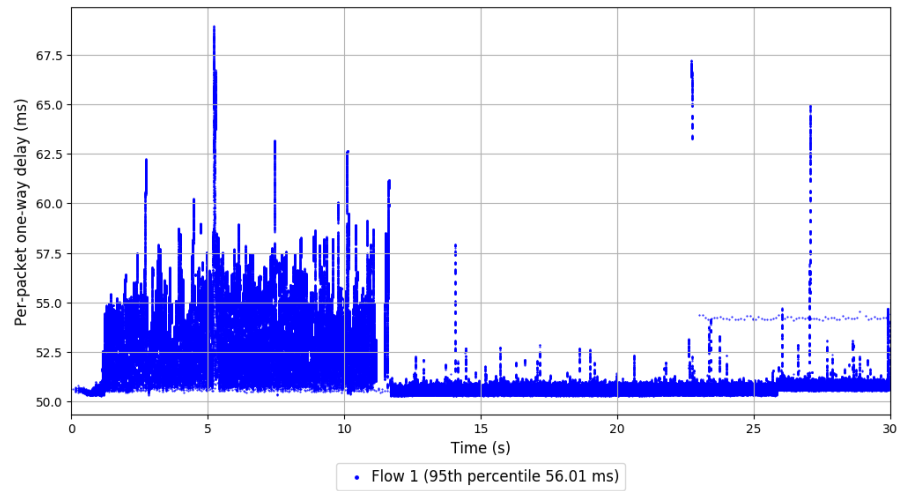
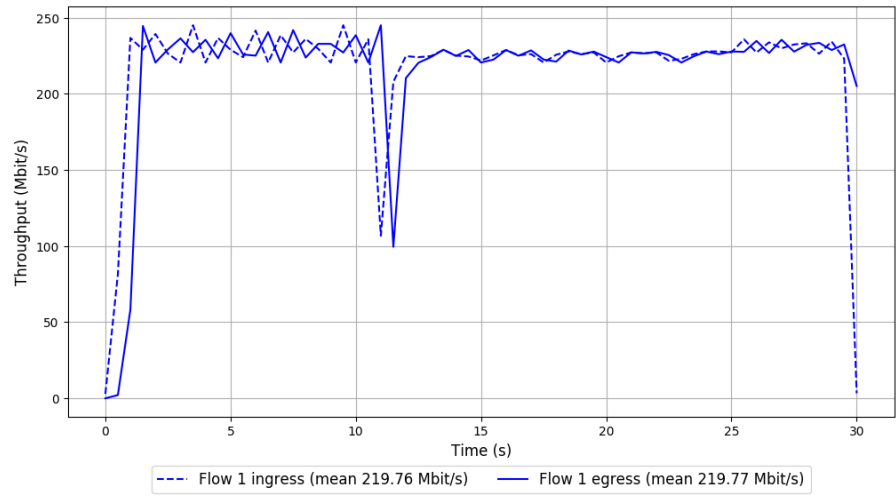
-- Flow 1:

Average throughput: 219.77 Mbit/s

95th percentile per-packet one-way delay: 56.005 ms

Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-26 10:37:07

End at: 2018-05-26 10:37:37

Local clock offset: 0.241 ms

Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-05-26 12:46:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.86 Mbit/s

95th percentile per-packet one-way delay: 54.315 ms

Loss rate: 0.22%

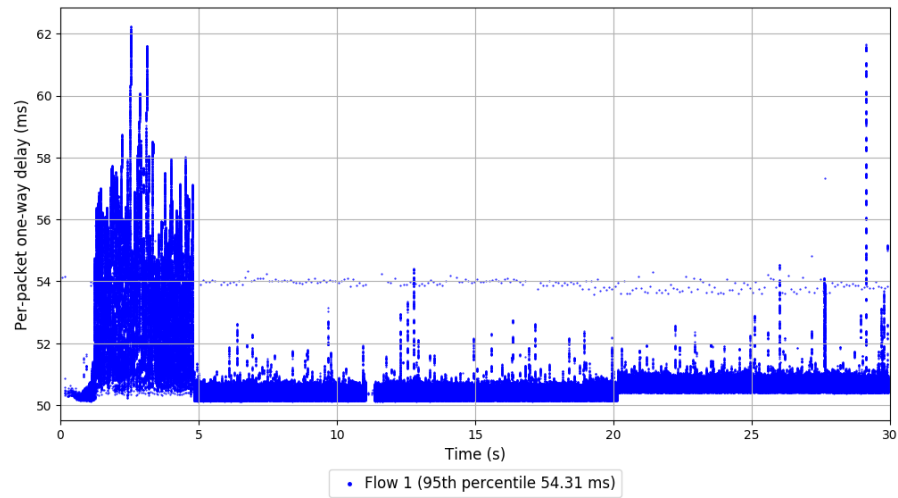
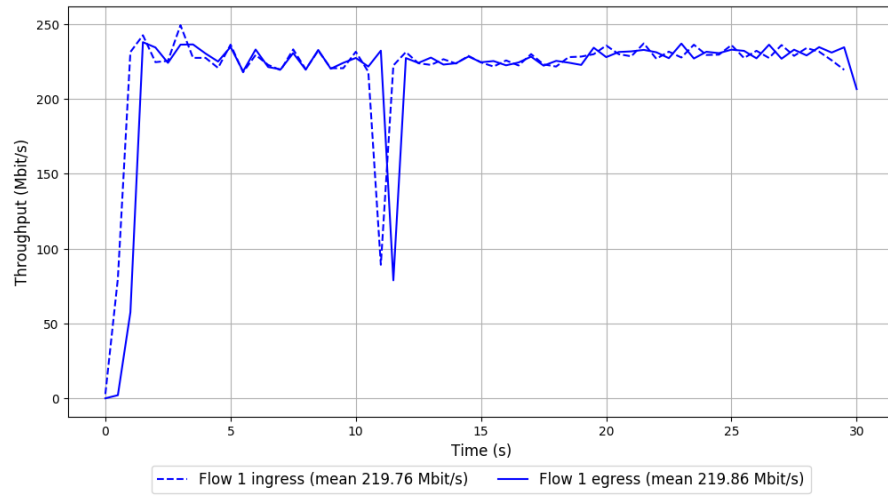
-- Flow 1:

Average throughput: 219.86 Mbit/s

95th percentile per-packet one-way delay: 54.315 ms

Loss rate: 0.22%

Run 5: Report of TCP BBR — Data Link

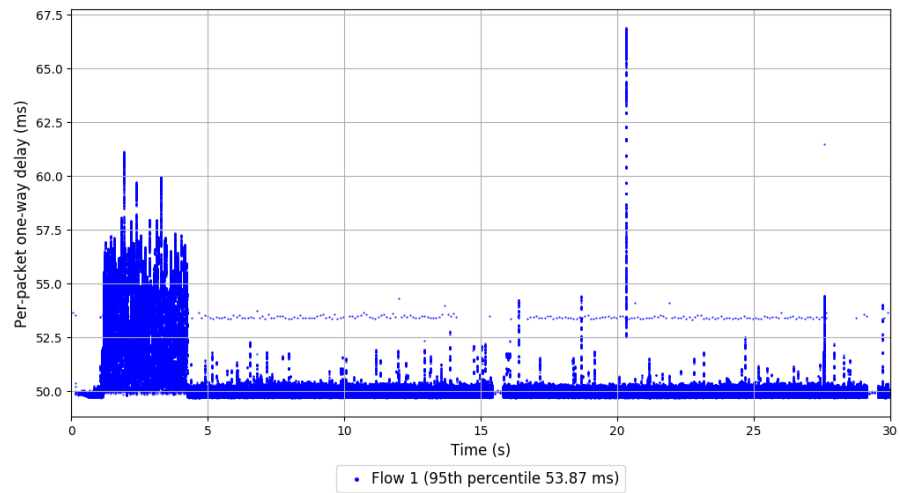
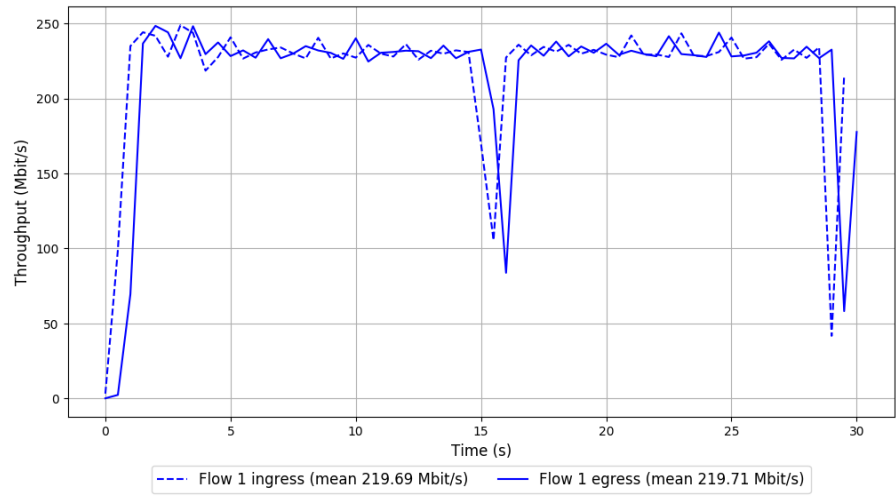


Run 6: Statistics of TCP BBR

Start at: 2018-05-26 10:57:21
End at: 2018-05-26 10:57:51
Local clock offset: -0.191 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-26 12:46:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.71 Mbit/s
95th percentile per-packet one-way delay: 53.873 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 219.71 Mbit/s
95th percentile per-packet one-way delay: 53.873 ms
Loss rate: 0.34%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-26 11:17:54

End at: 2018-05-26 11:18:24

Local clock offset: 0.299 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-05-26 12:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.65 Mbit/s

95th percentile per-packet one-way delay: 50.917 ms

Loss rate: 0.37%

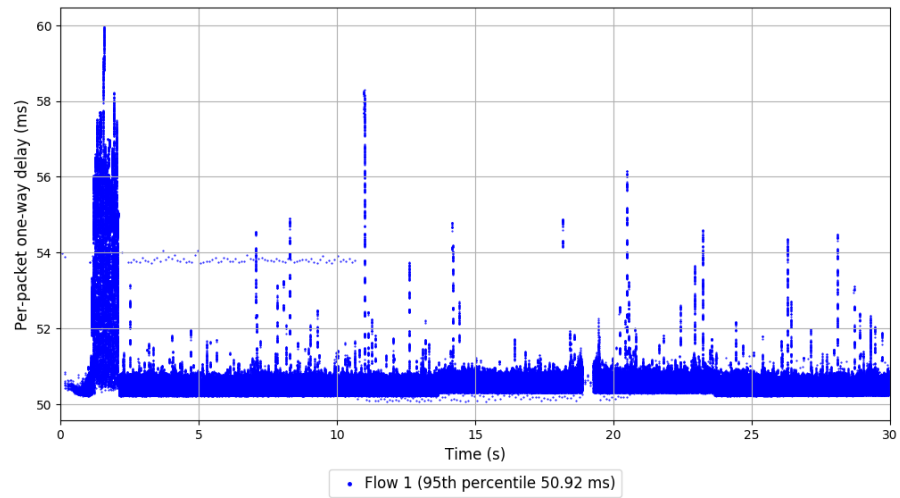
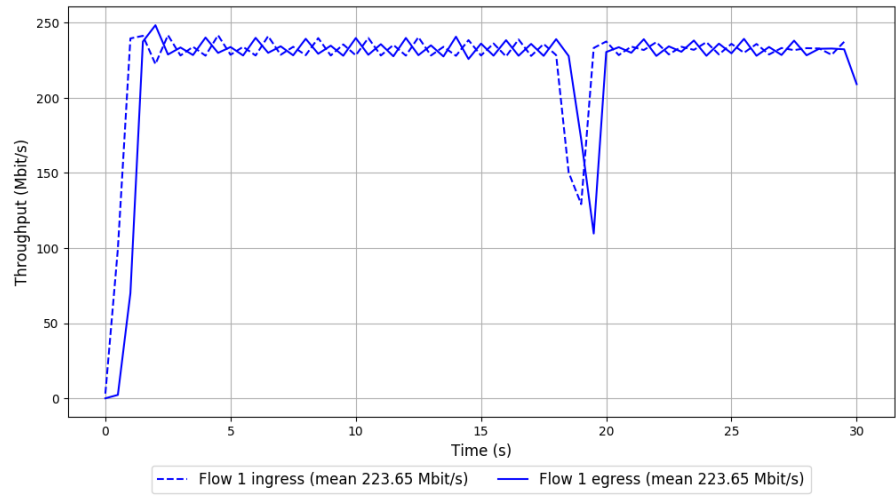
-- Flow 1:

Average throughput: 223.65 Mbit/s

95th percentile per-packet one-way delay: 50.917 ms

Loss rate: 0.37%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-26 11:38:14

End at: 2018-05-26 11:38:44

Local clock offset: -0.169 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-05-26 12:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.72 Mbit/s

95th percentile per-packet one-way delay: 50.318 ms

Loss rate: 0.38%

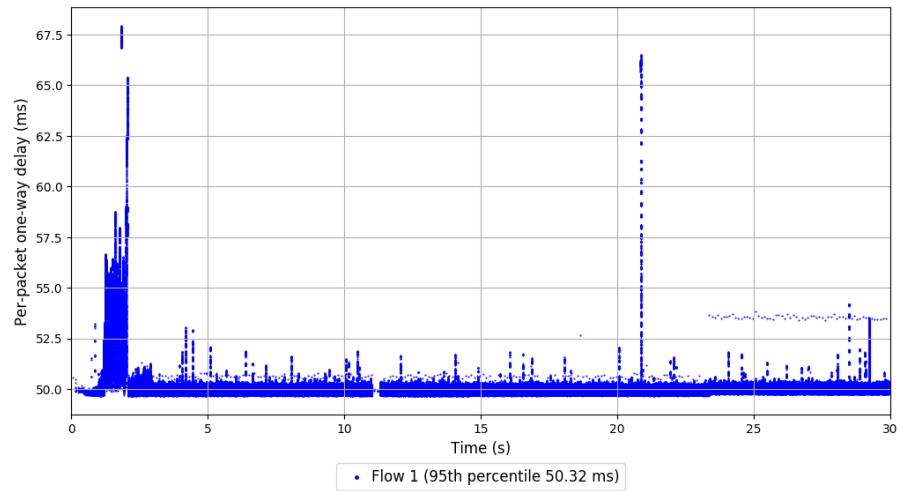
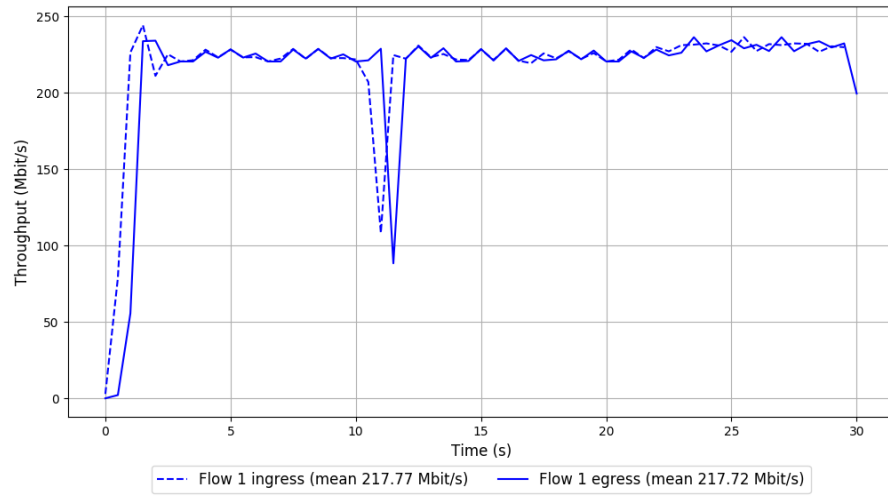
-- Flow 1:

Average throughput: 217.72 Mbit/s

95th percentile per-packet one-way delay: 50.318 ms

Loss rate: 0.38%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-26 11:59:20

End at: 2018-05-26 11:59:50

Local clock offset: 0.12 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-05-26 12:49:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.21 Mbit/s

95th percentile per-packet one-way delay: 54.158 ms

Loss rate: 0.36%

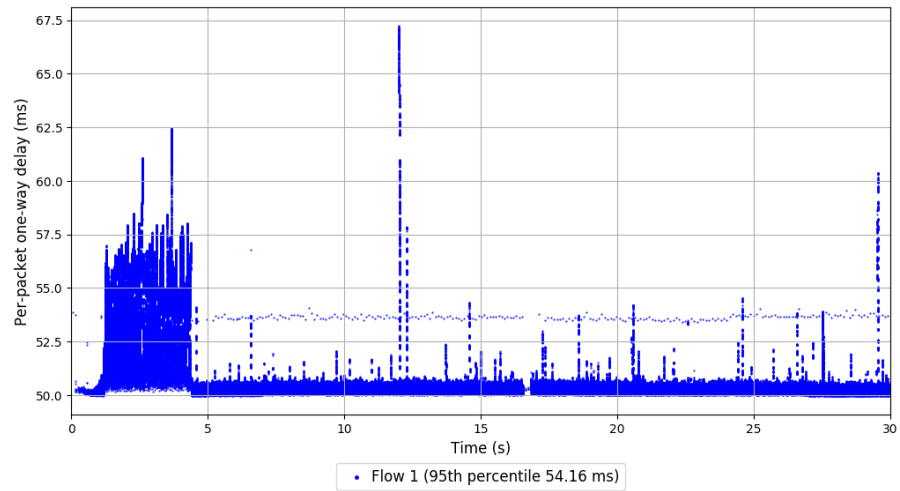
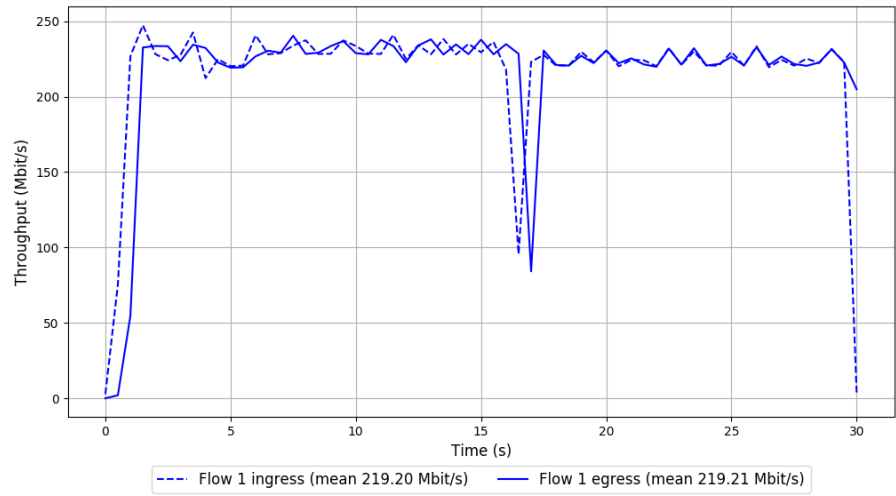
-- Flow 1:

Average throughput: 219.21 Mbit/s

95th percentile per-packet one-way delay: 54.158 ms

Loss rate: 0.36%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-26 12:19:39

End at: 2018-05-26 12:20:09

Local clock offset: -0.278 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-05-26 12:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.86 Mbit/s

95th percentile per-packet one-way delay: 55.691 ms

Loss rate: 0.37%

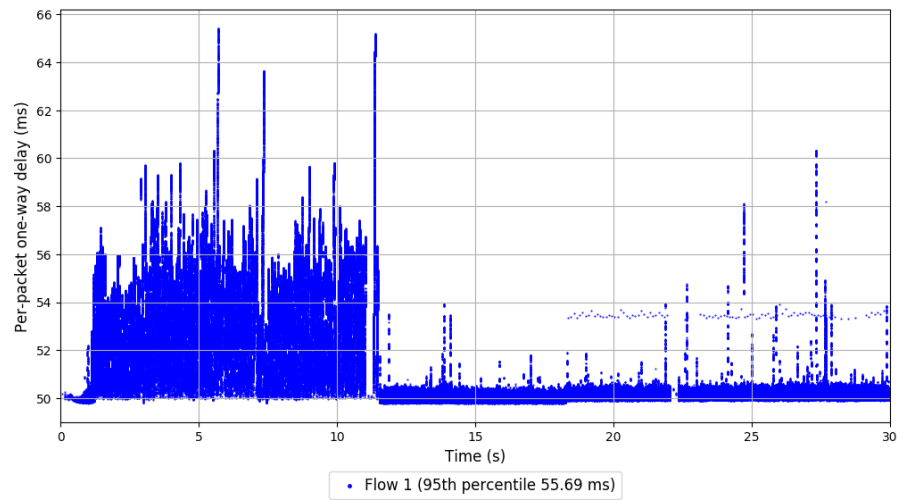
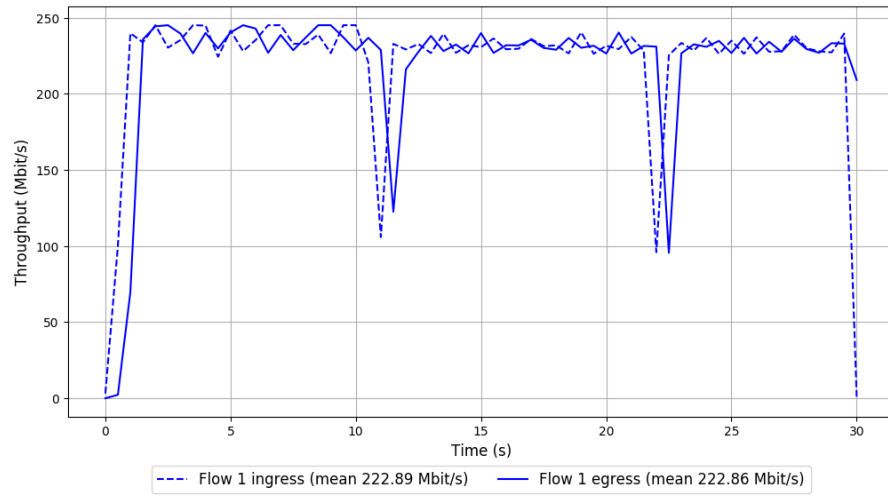
-- Flow 1:

Average throughput: 222.86 Mbit/s

95th percentile per-packet one-way delay: 55.691 ms

Loss rate: 0.37%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-26 09:19:50

End at: 2018-05-26 09:20:20

Local clock offset: 0.3 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-05-26 12:55:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.44 Mbit/s

95th percentile per-packet one-way delay: 59.759 ms

Loss rate: 0.48%

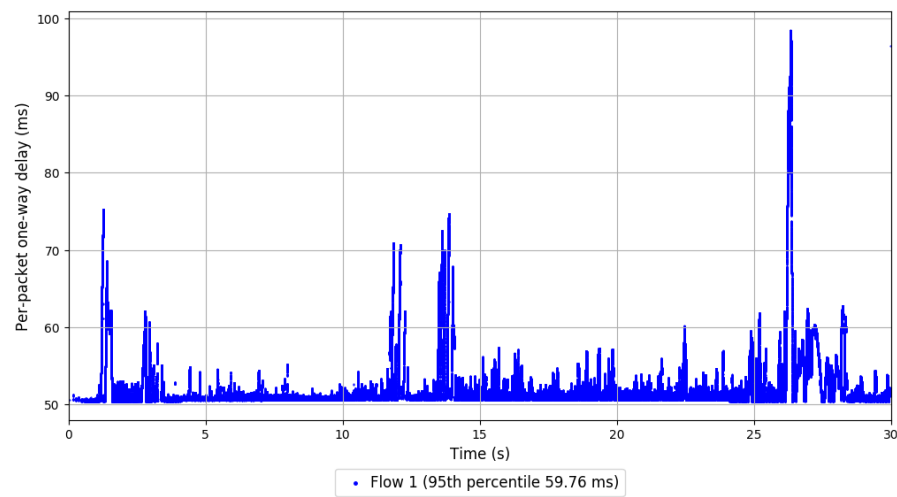
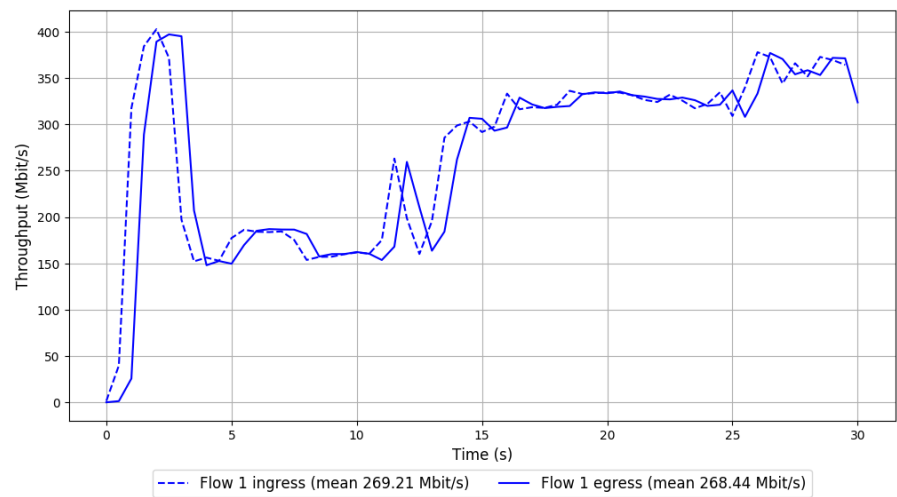
-- Flow 1:

Average throughput: 268.44 Mbit/s

95th percentile per-packet one-way delay: 59.759 ms

Loss rate: 0.48%

Run 1: Report of Copa — Data Link

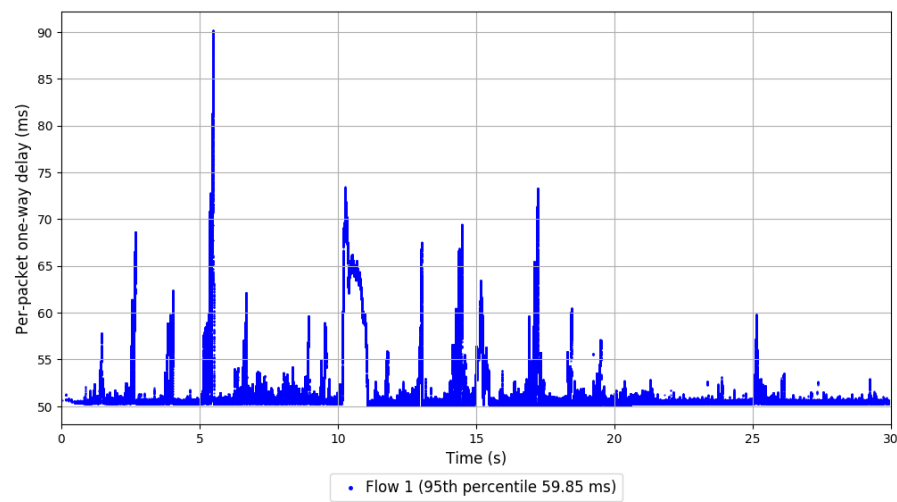
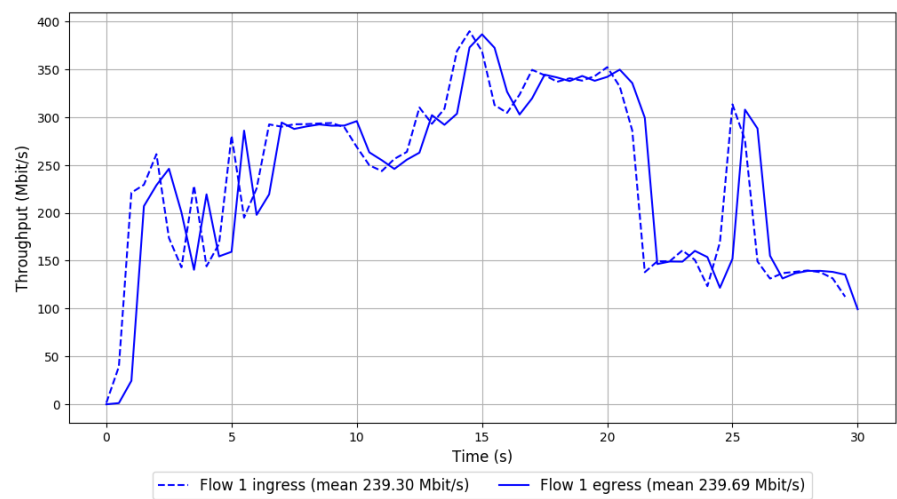


Run 2: Statistics of Copa

Start at: 2018-05-26 09:40:07
End at: 2018-05-26 09:40:37
Local clock offset: -0.144 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-05-26 12:55:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.69 Mbit/s
95th percentile per-packet one-way delay: 59.846 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 239.69 Mbit/s
95th percentile per-packet one-way delay: 59.846 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link

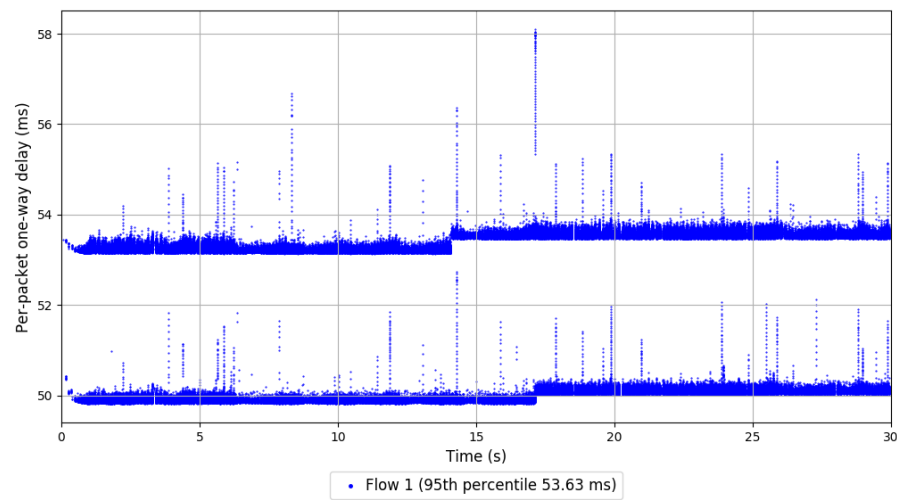
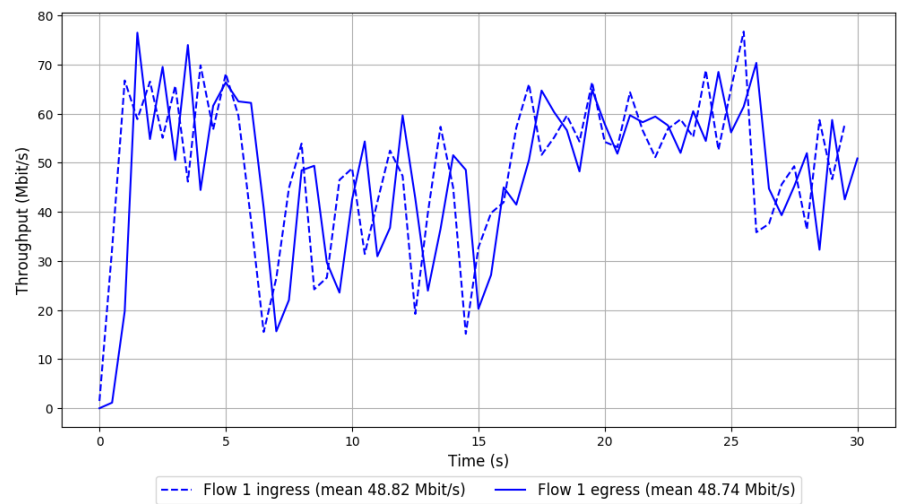


Run 3: Statistics of Copa

Start at: 2018-05-26 10:00:50
End at: 2018-05-26 10:01:20
Local clock offset: -0.117 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-05-26 12:55:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 53.632 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 53.632 ms
Loss rate: 0.52%

Run 3: Report of Copa — Data Link

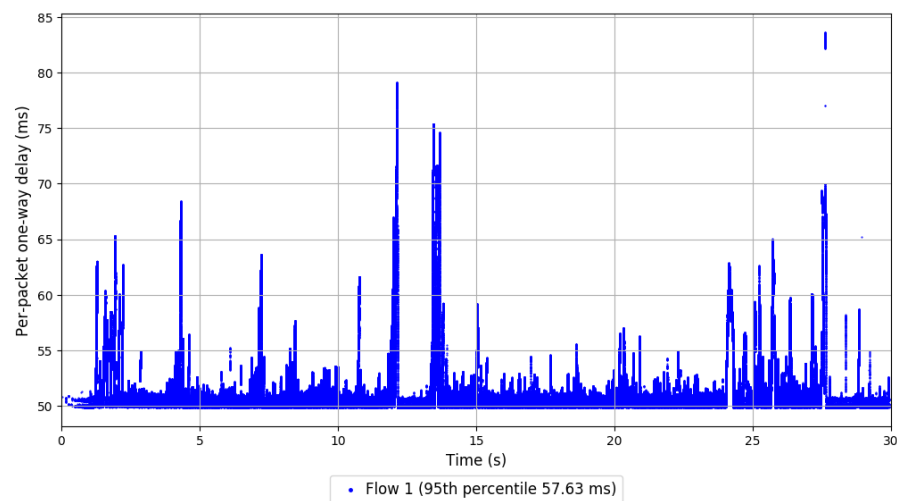
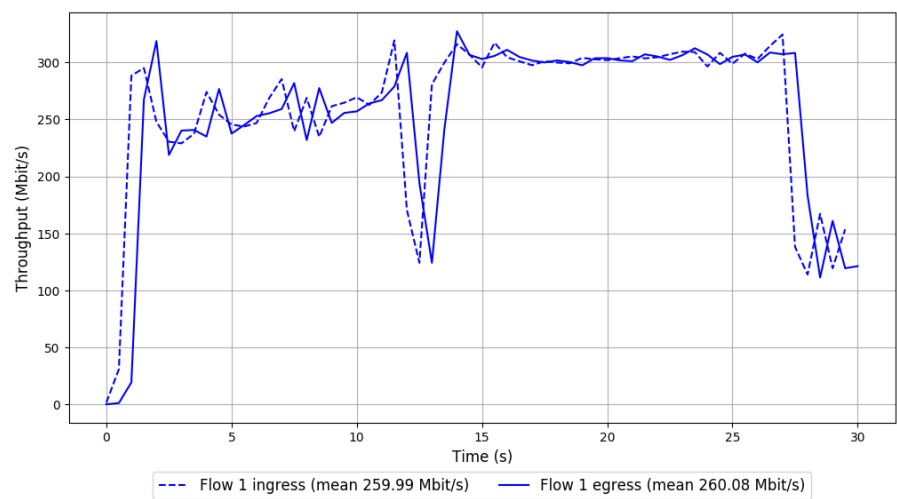


Run 4: Statistics of Copa

Start at: 2018-05-26 10:21:14
End at: 2018-05-26 10:21:44
Local clock offset: 0.014 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-26 12:55:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.08 Mbit/s
95th percentile per-packet one-way delay: 57.631 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 260.08 Mbit/s
95th percentile per-packet one-way delay: 57.631 ms
Loss rate: 0.30%

Run 4: Report of Copa — Data Link

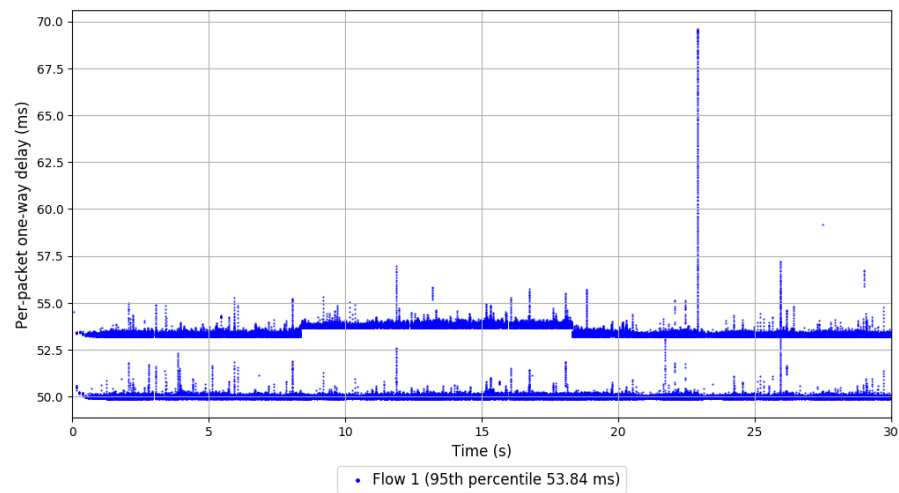
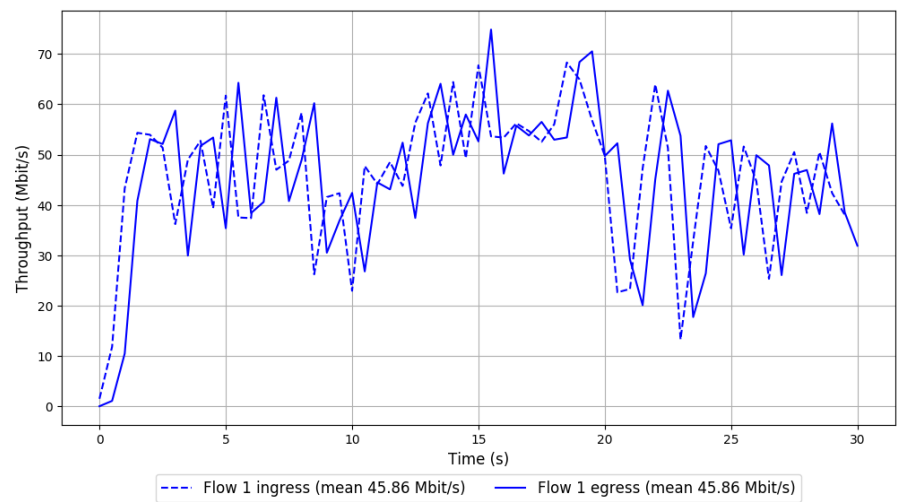


Run 5: Statistics of Copa

Start at: 2018-05-26 10:41:56
End at: 2018-05-26 10:42:26
Local clock offset: -0.104 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-05-26 12:55:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.86 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 45.86 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.36%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-26 11:02:13

End at: 2018-05-26 11:02:43

Local clock offset: -0.143 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-05-26 12:55:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.39 Mbit/s

95th percentile per-packet one-way delay: 53.458 ms

Loss rate: 0.14%

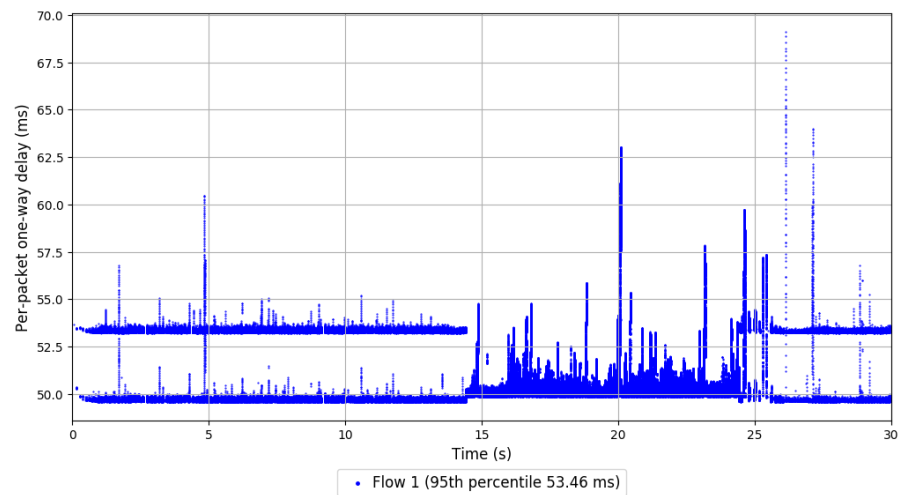
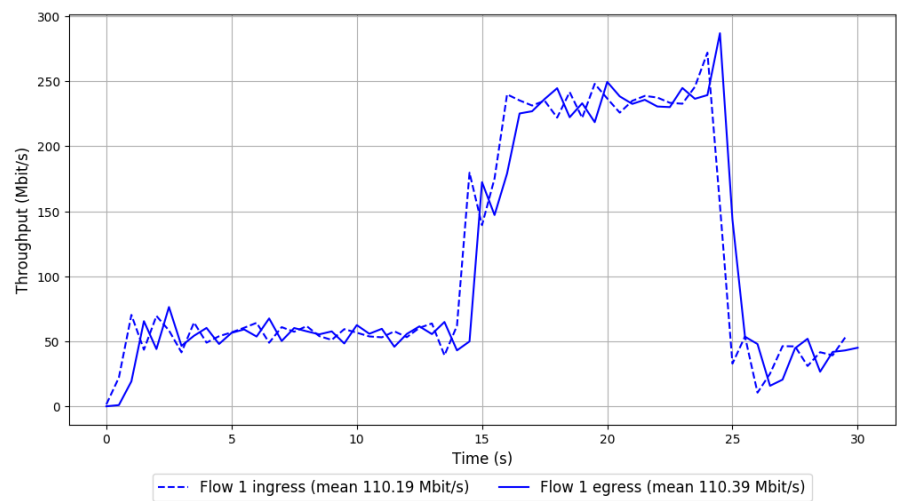
-- Flow 1:

Average throughput: 110.39 Mbit/s

95th percentile per-packet one-way delay: 53.458 ms

Loss rate: 0.14%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-26 11:22:46

End at: 2018-05-26 11:23:16

Local clock offset: -0.078 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-05-26 12:55:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 53.559 ms

Loss rate: 0.35%

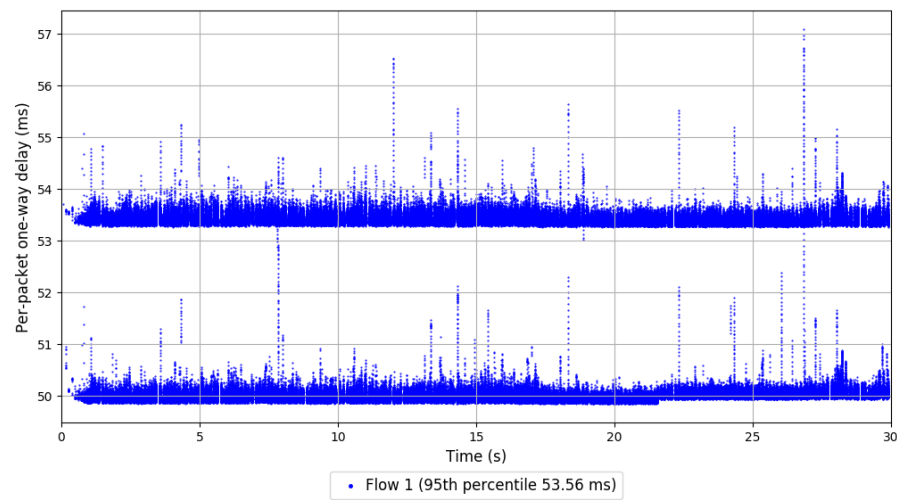
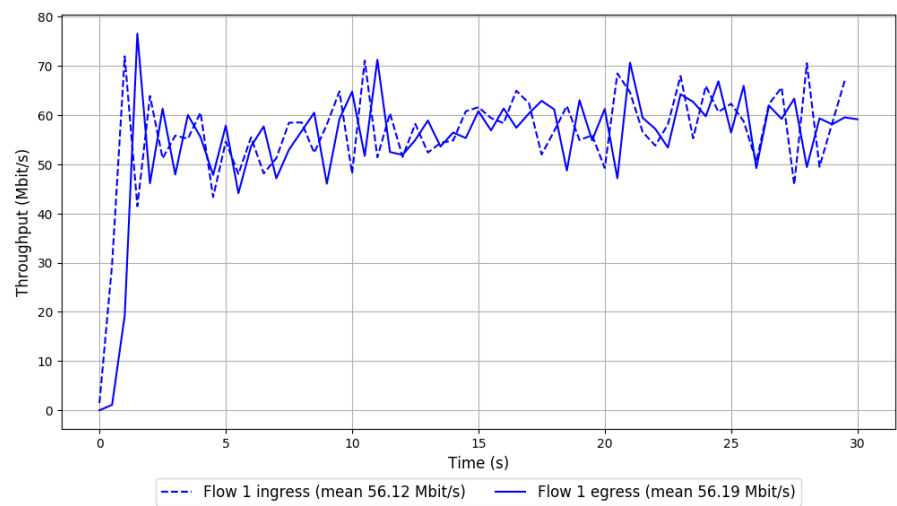
-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 53.559 ms

Loss rate: 0.35%

Run 7: Report of Copa — Data Link

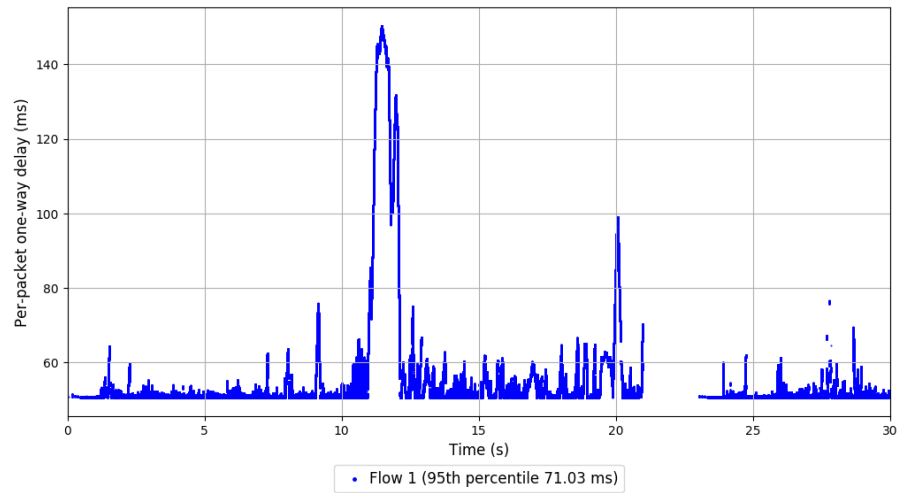
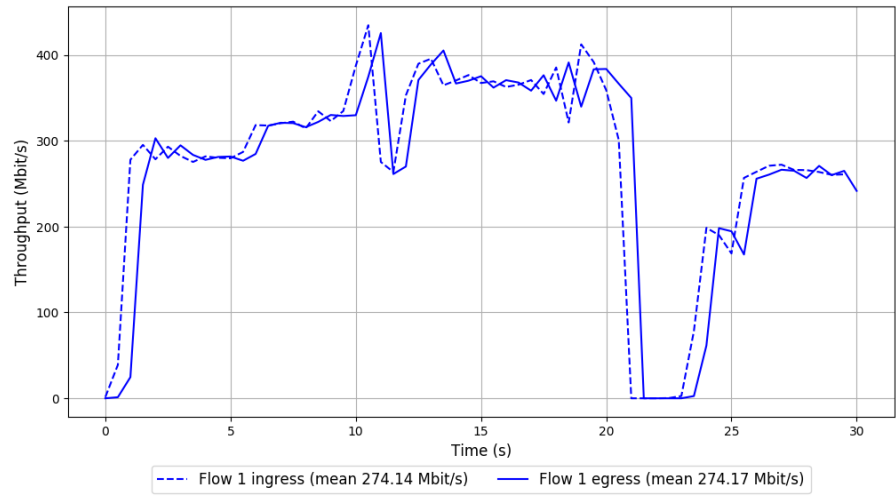


Run 8: Statistics of Copa

Start at: 2018-05-26 11:43:06
End at: 2018-05-26 11:43:36
Local clock offset: 0.365 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-26 12:57:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.17 Mbit/s
95th percentile per-packet one-way delay: 71.029 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 274.17 Mbit/s
95th percentile per-packet one-way delay: 71.029 ms
Loss rate: 0.32%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-26 12:04:13

End at: 2018-05-26 12:04:43

Local clock offset: 0.086 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-05-26 12:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.85 Mbit/s

95th percentile per-packet one-way delay: 73.398 ms

Loss rate: 0.55%

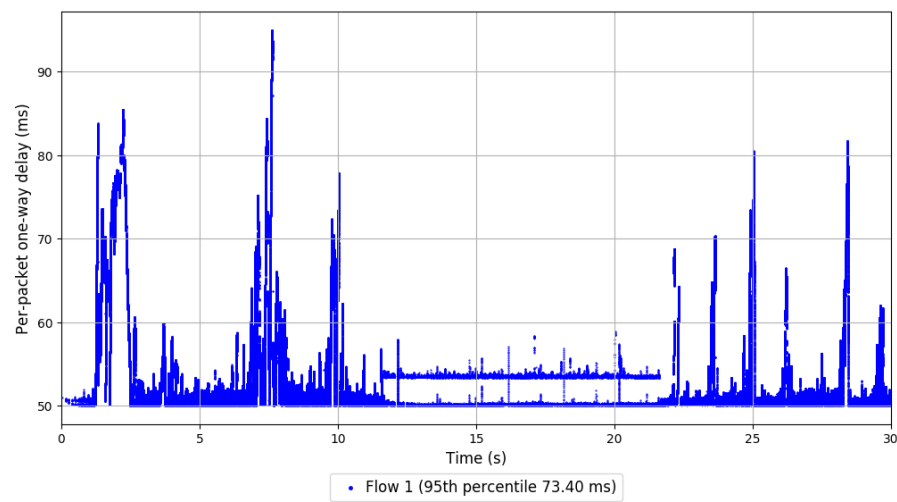
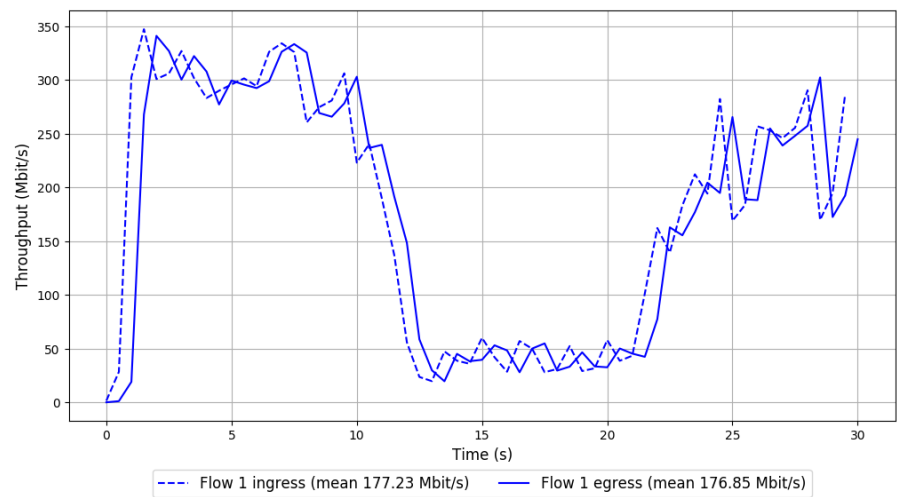
-- Flow 1:

Average throughput: 176.85 Mbit/s

95th percentile per-packet one-way delay: 73.398 ms

Loss rate: 0.55%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-26 12:24:30

End at: 2018-05-26 12:25:00

Local clock offset: 0.012 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-05-26 12:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.04 Mbit/s

95th percentile per-packet one-way delay: 53.784 ms

Loss rate: 0.05%

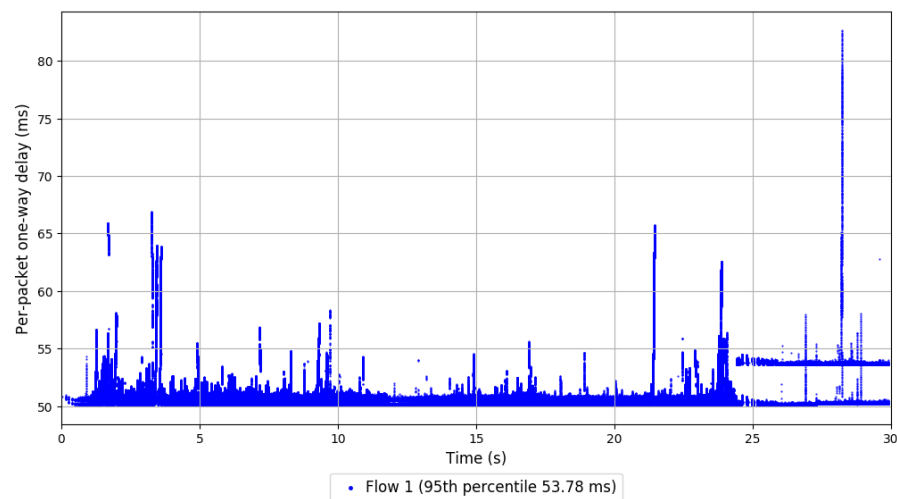
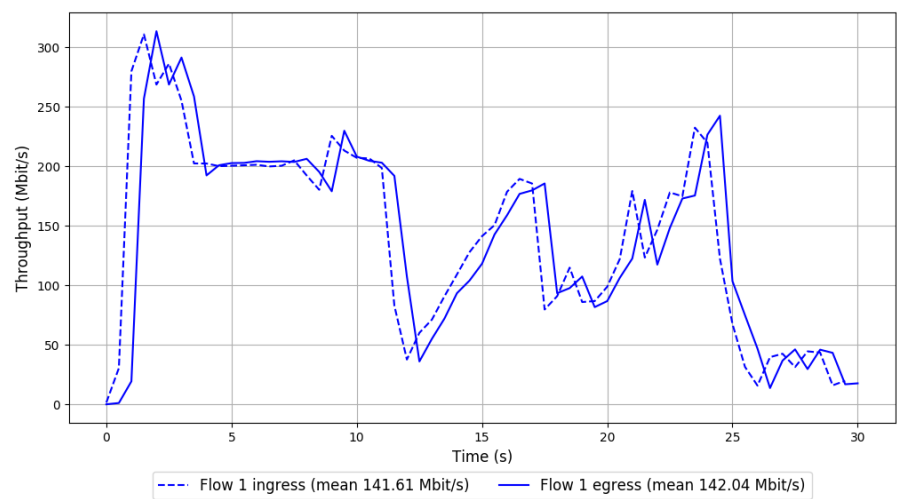
-- Flow 1:

Average throughput: 142.04 Mbit/s

95th percentile per-packet one-way delay: 53.784 ms

Loss rate: 0.05%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-26 09:11:04

End at: 2018-05-26 09:11:34

Local clock offset: 0.078 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-05-26 12:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.04 Mbit/s

95th percentile per-packet one-way delay: 52.268 ms

Loss rate: 0.43%

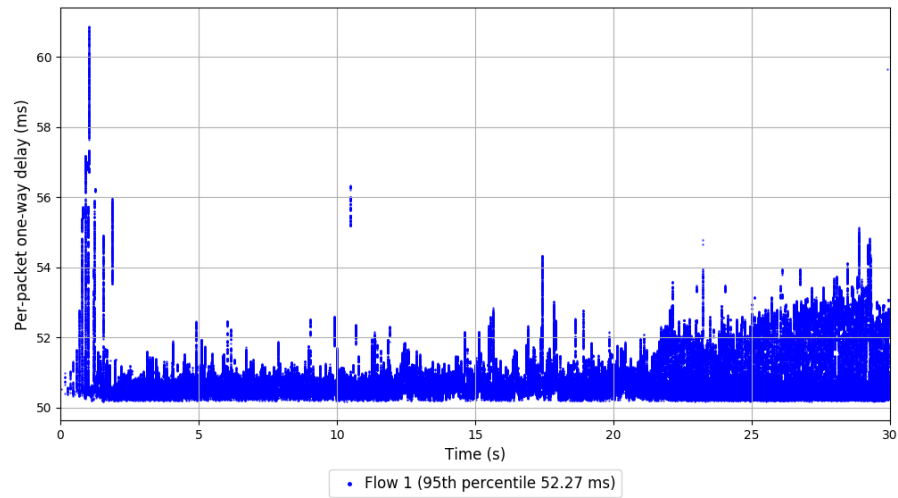
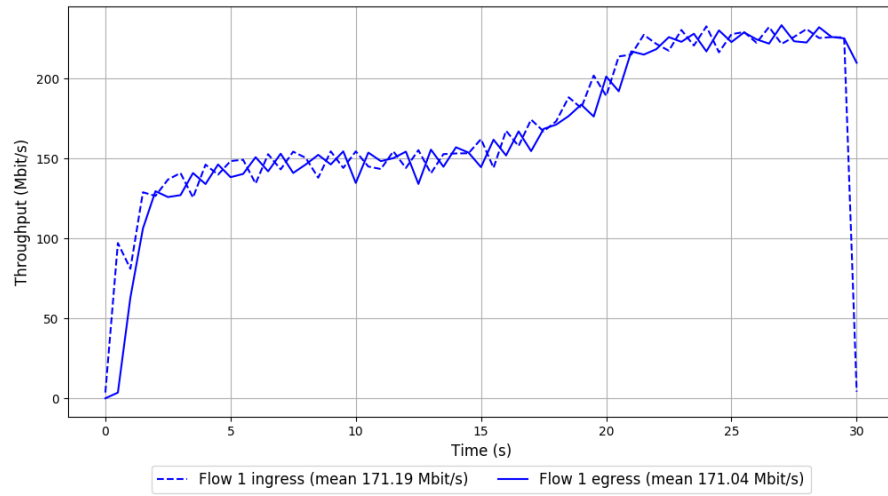
-- Flow 1:

Average throughput: 171.04 Mbit/s

95th percentile per-packet one-way delay: 52.268 ms

Loss rate: 0.43%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-26 09:31:23

End at: 2018-05-26 09:31:53

Local clock offset: 0.228 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-05-26 12:57:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.22 Mbit/s

95th percentile per-packet one-way delay: 57.165 ms

Loss rate: 0.35%

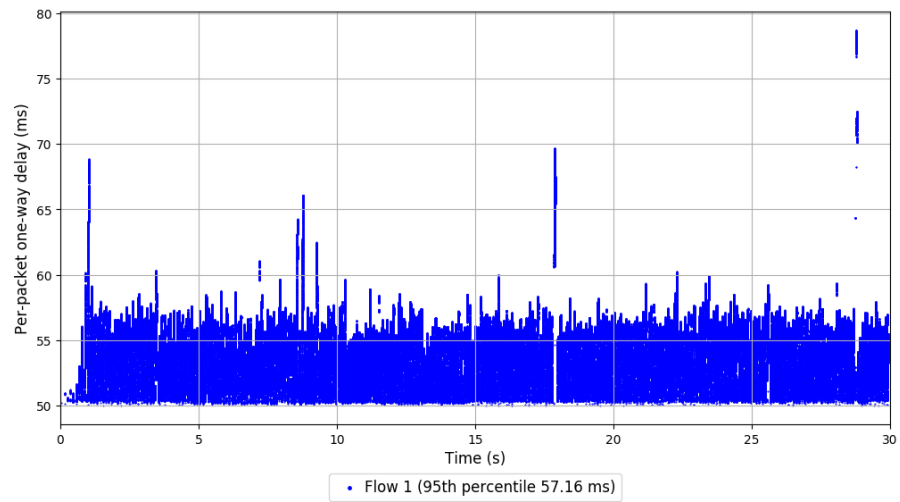
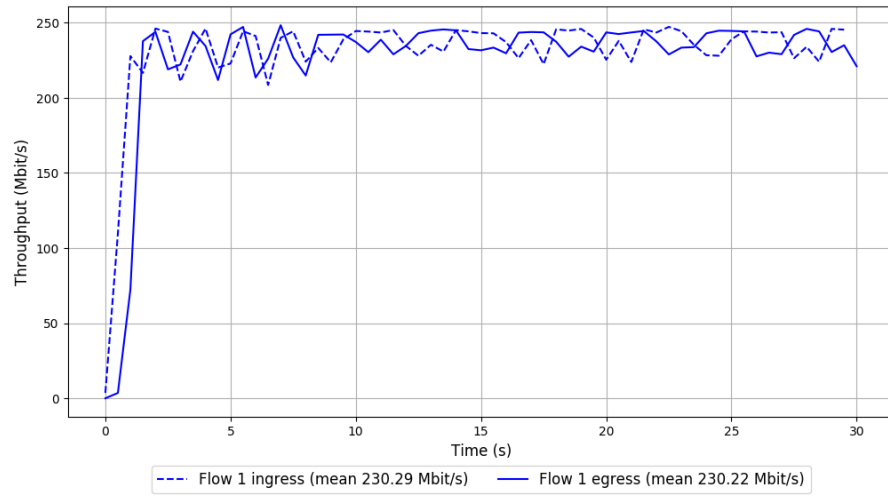
-- Flow 1:

Average throughput: 230.22 Mbit/s

95th percentile per-packet one-way delay: 57.165 ms

Loss rate: 0.35%

Run 2: Report of TCP Cubic — Data Link

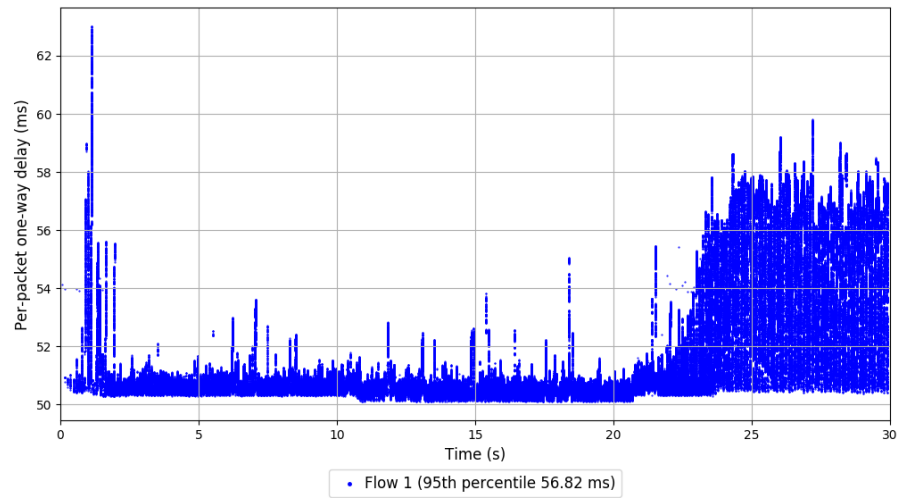
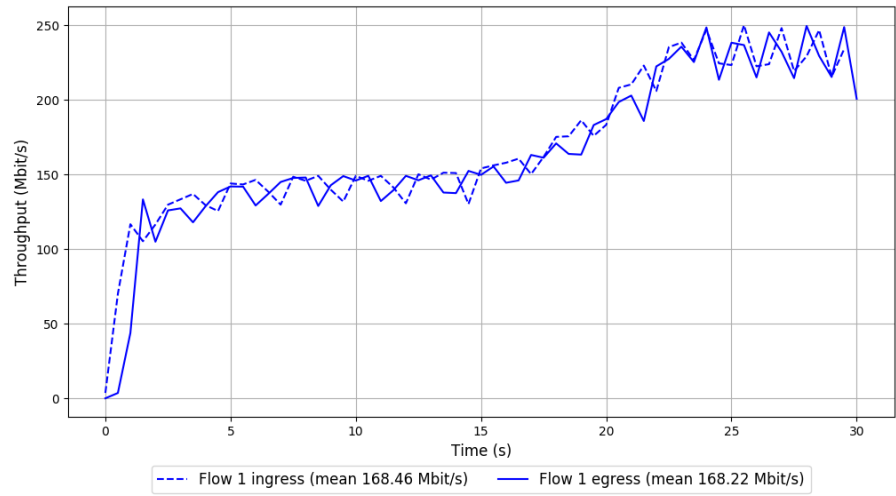


Run 3: Statistics of TCP Cubic

Start at: 2018-05-26 09:52:07
End at: 2018-05-26 09:52:37
Local clock offset: 0.11 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-05-26 12:57:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.22 Mbit/s
95th percentile per-packet one-way delay: 56.819 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 168.22 Mbit/s
95th percentile per-packet one-way delay: 56.819 ms
Loss rate: 0.50%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-26 10:12:25

End at: 2018-05-26 10:12:55

Local clock offset: 0.24 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-05-26 12:58:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.22 Mbit/s

95th percentile per-packet one-way delay: 58.210 ms

Loss rate: 0.35%

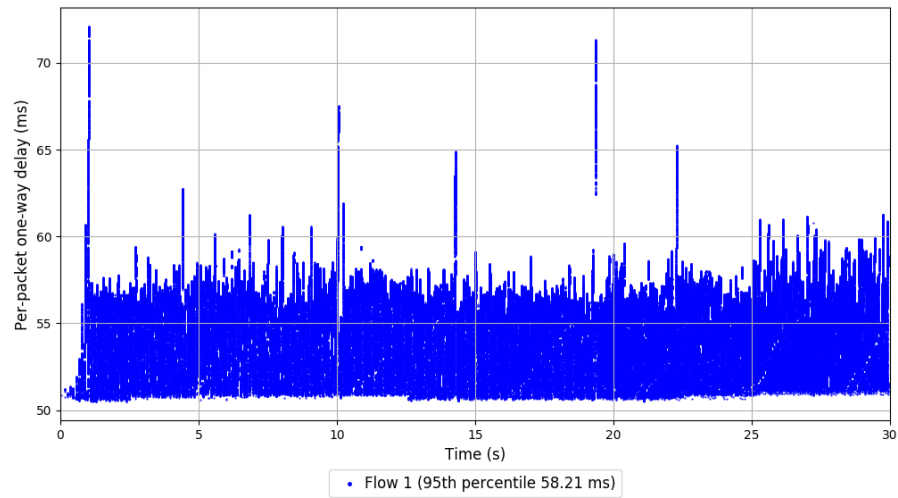
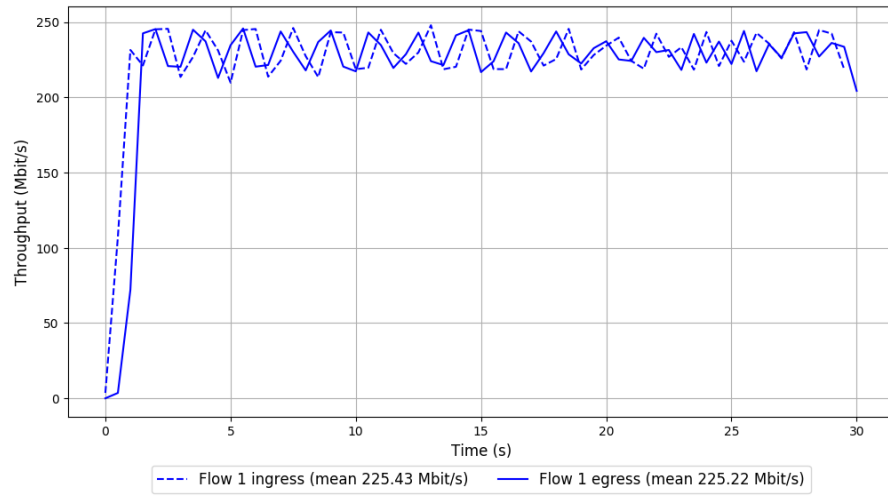
-- Flow 1:

Average throughput: 225.22 Mbit/s

95th percentile per-packet one-way delay: 58.210 ms

Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-26 10:33:12

End at: 2018-05-26 10:33:42

Local clock offset: 0.439 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-05-26 12:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.29 Mbit/s

95th percentile per-packet one-way delay: 58.021 ms

Loss rate: 0.36%

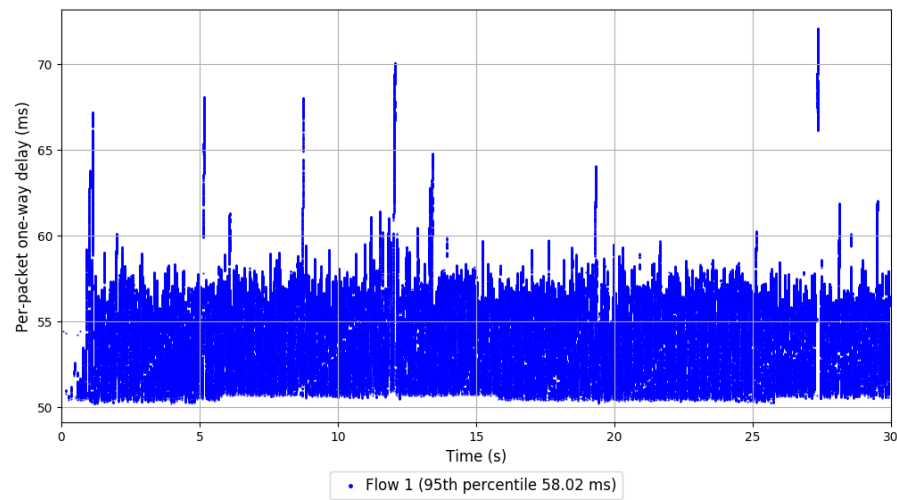
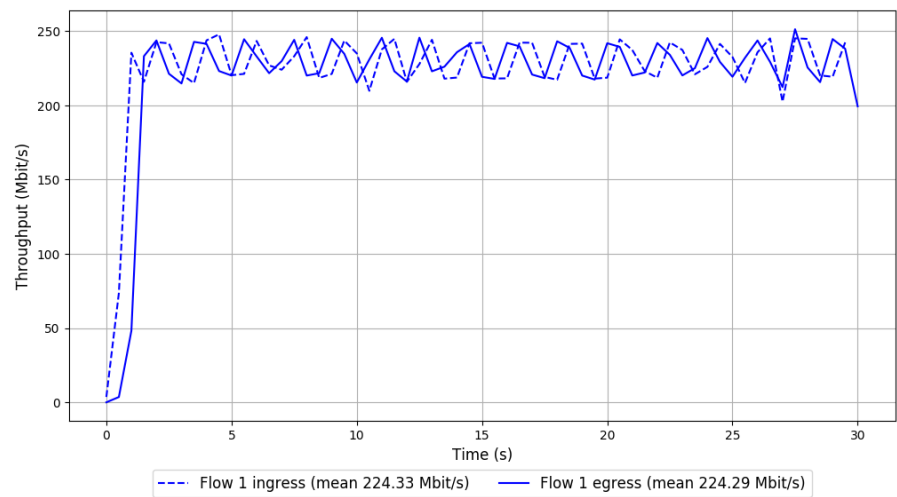
-- Flow 1:

Average throughput: 224.29 Mbit/s

95th percentile per-packet one-way delay: 58.021 ms

Loss rate: 0.36%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-26 10:53:28

End at: 2018-05-26 10:53:58

Local clock offset: 0.071 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-05-26 12:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.17 Mbit/s

95th percentile per-packet one-way delay: 57.246 ms

Loss rate: 0.54%

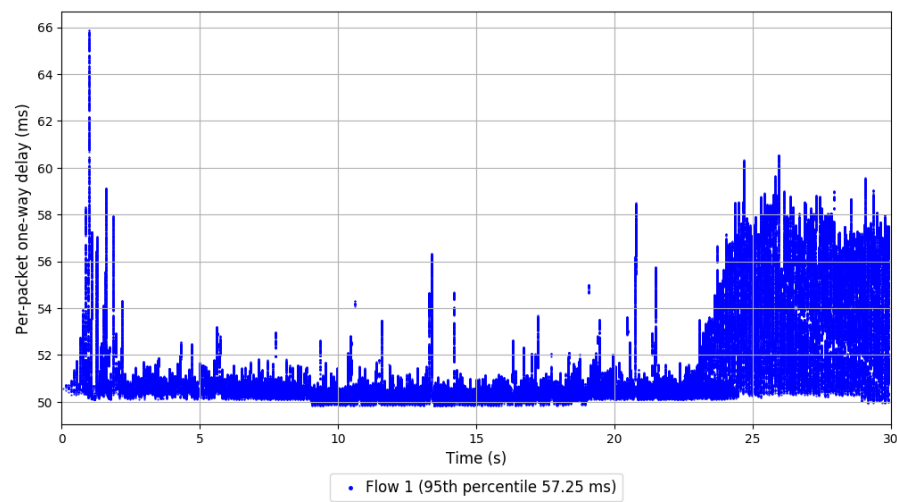
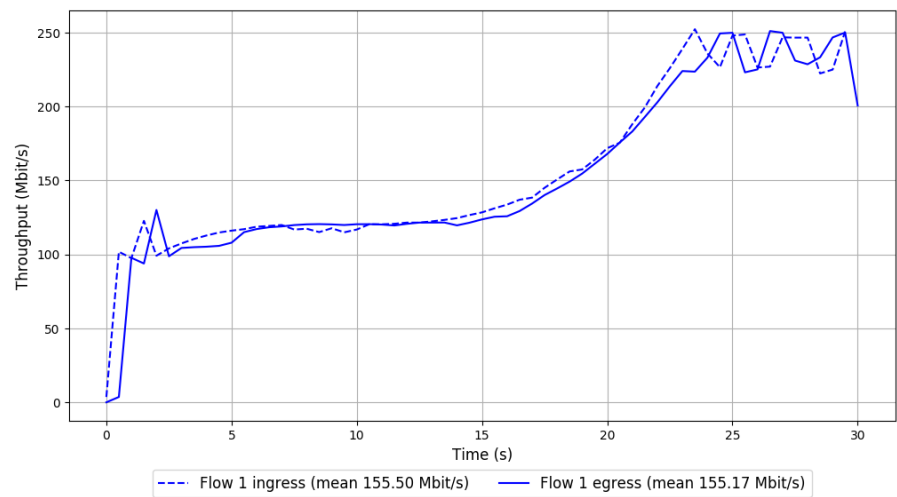
-- Flow 1:

Average throughput: 155.17 Mbit/s

95th percentile per-packet one-way delay: 57.246 ms

Loss rate: 0.54%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-26 11:14:02

End at: 2018-05-26 11:14:32

Local clock offset: 0.237 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-05-26 12:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.96 Mbit/s

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

Loss rate: 0.56%

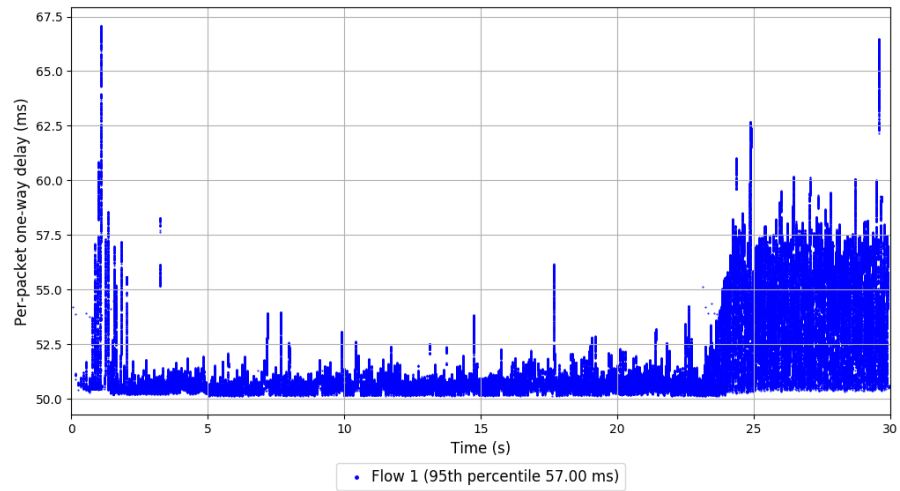
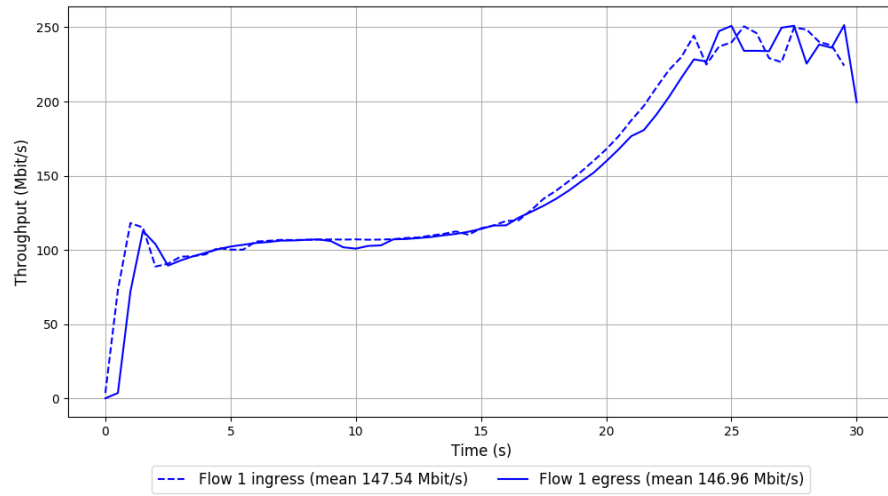
-- Flow 1:

Average throughput: 146.96 Mbit/s

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

Loss rate: 0.56%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-26 11:34:19

End at: 2018-05-26 11:34:49

Local clock offset: 0.042 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-05-26 12:59:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.20 Mbit/s

95th percentile per-packet one-way delay: 60.126 ms

Loss rate: 0.36%

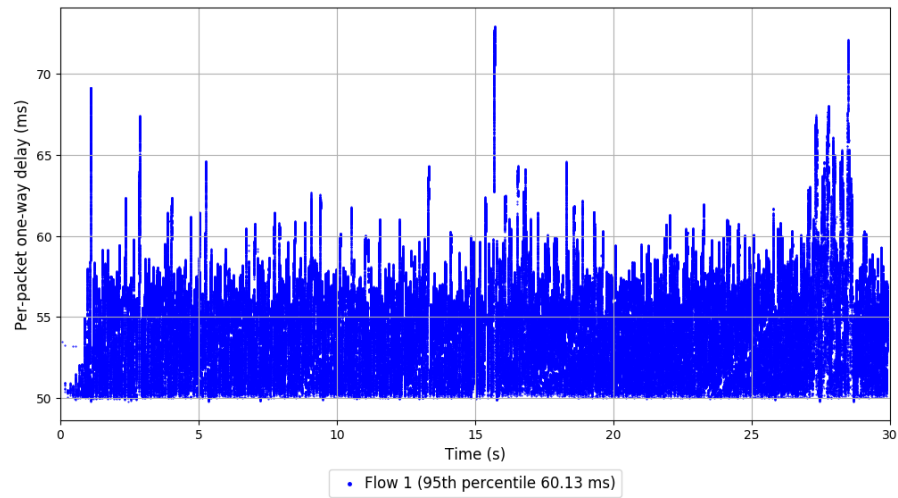
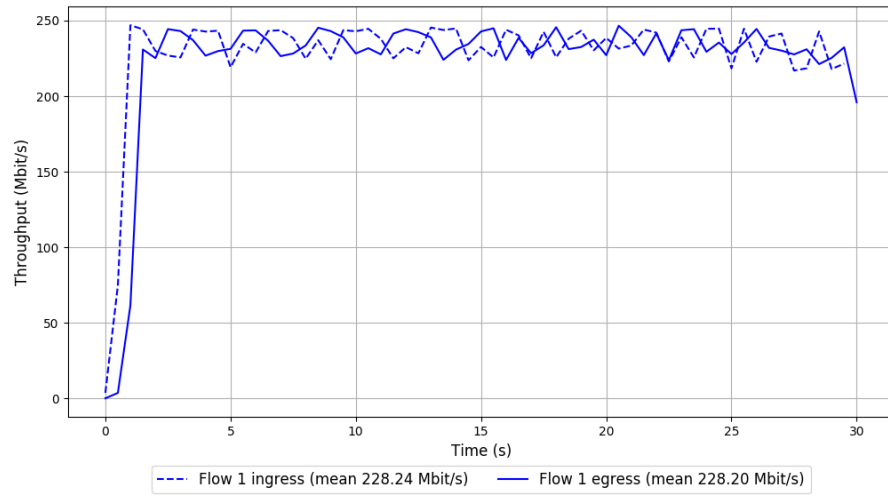
-- Flow 1:

Average throughput: 228.20 Mbit/s

95th percentile per-packet one-way delay: 60.126 ms

Loss rate: 0.36%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-26 11:55:27

End at: 2018-05-26 11:55:57

Local clock offset: -0.099 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-05-26 12:59:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.32 Mbit/s

95th percentile per-packet one-way delay: 58.539 ms

Loss rate: 0.36%

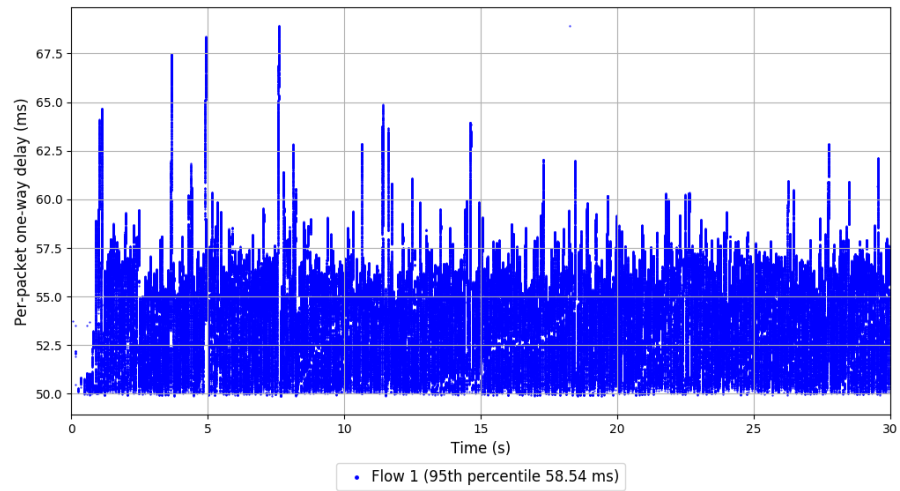
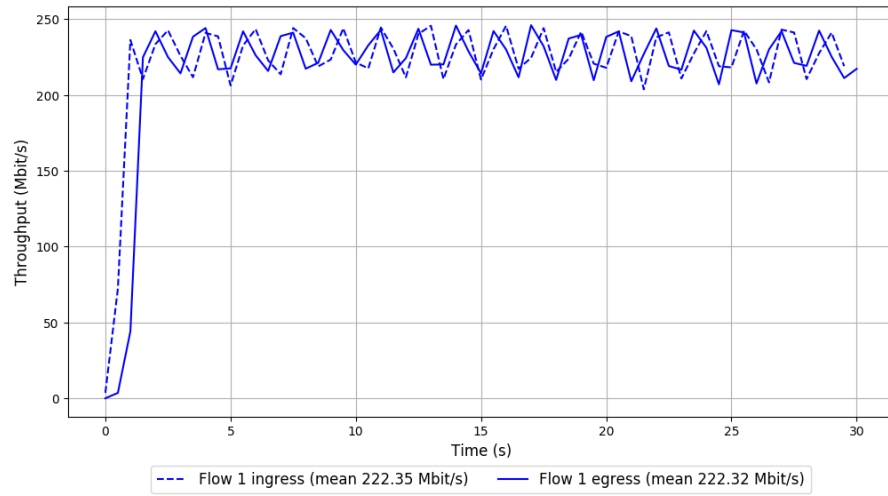
-- Flow 1:

Average throughput: 222.32 Mbit/s

95th percentile per-packet one-way delay: 58.539 ms

Loss rate: 0.36%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-26 12:15:47

End at: 2018-05-26 12:16:17

Local clock offset: 0.134 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-05-26 12:59:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.06 Mbit/s

95th percentile per-packet one-way delay: 57.236 ms

Loss rate: 0.39%

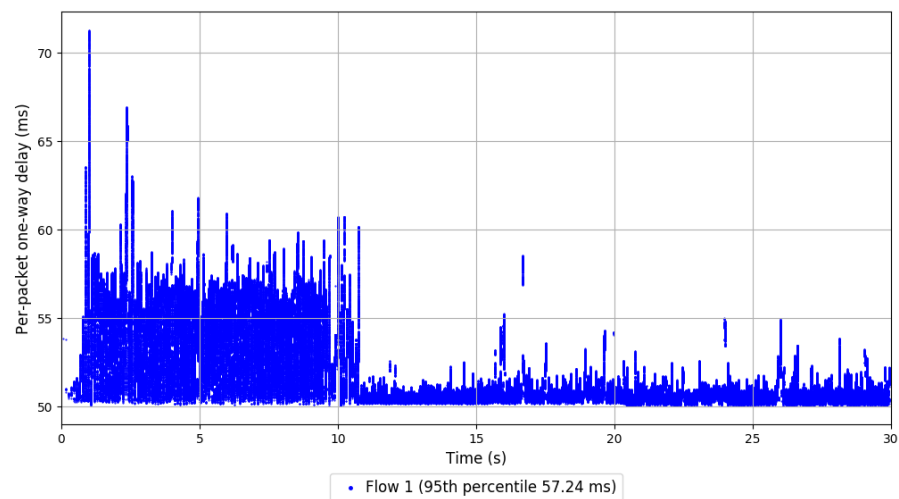
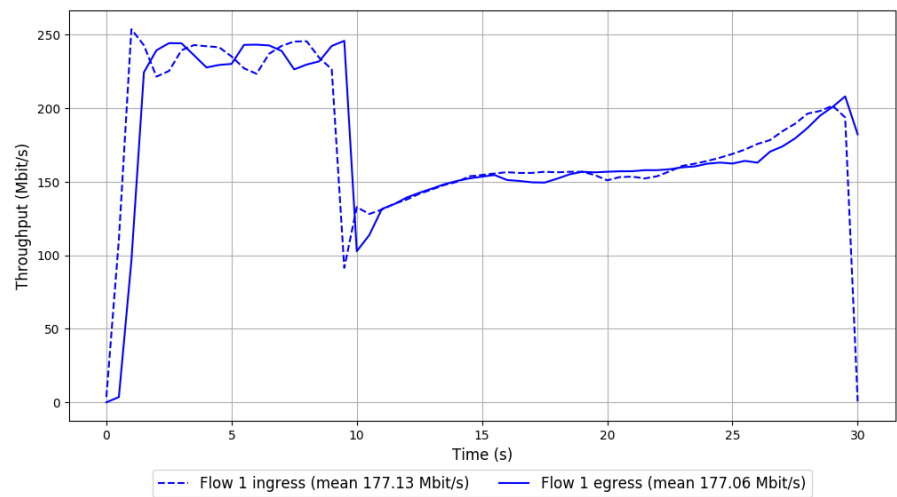
-- Flow 1:

Average throughput: 177.06 Mbit/s

95th percentile per-packet one-way delay: 57.236 ms

Loss rate: 0.39%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-26 09:21:19

End at: 2018-05-26 09:21:49

Local clock offset: 0.165 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-05-26 13:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 799.07 Mbit/s

95th percentile per-packet one-way delay: 209.733 ms

Loss rate: 3.10%

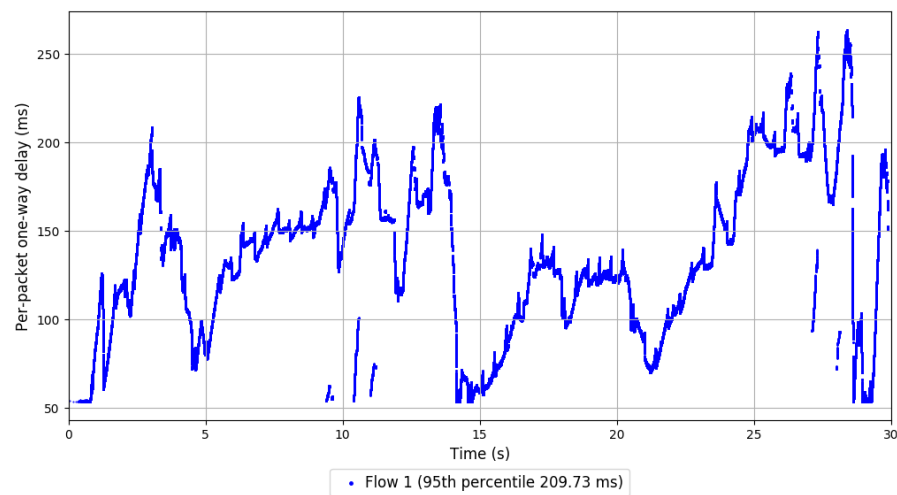
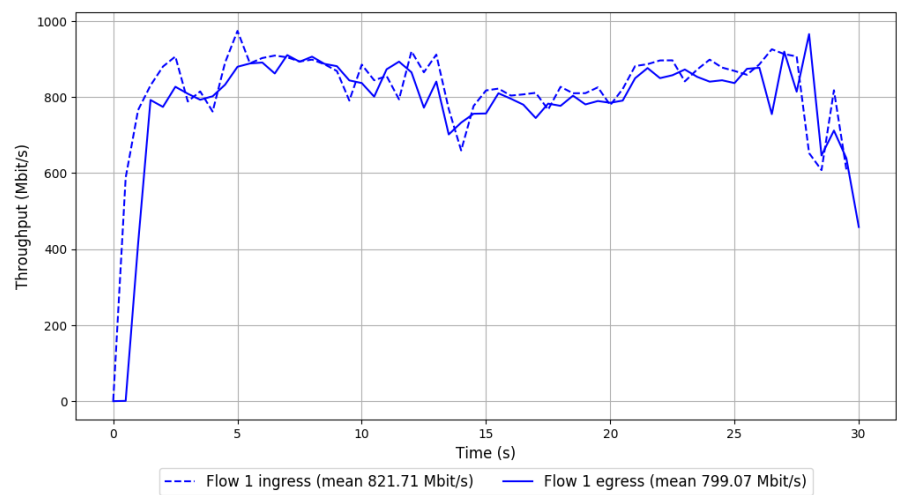
-- Flow 1:

Average throughput: 799.07 Mbit/s

95th percentile per-packet one-way delay: 209.733 ms

Loss rate: 3.10%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-26 09:41:33

End at: 2018-05-26 09:42:03

Local clock offset: 0.062 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-05-26 13:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.28 Mbit/s

95th percentile per-packet one-way delay: 157.305 ms

Loss rate: 3.02%

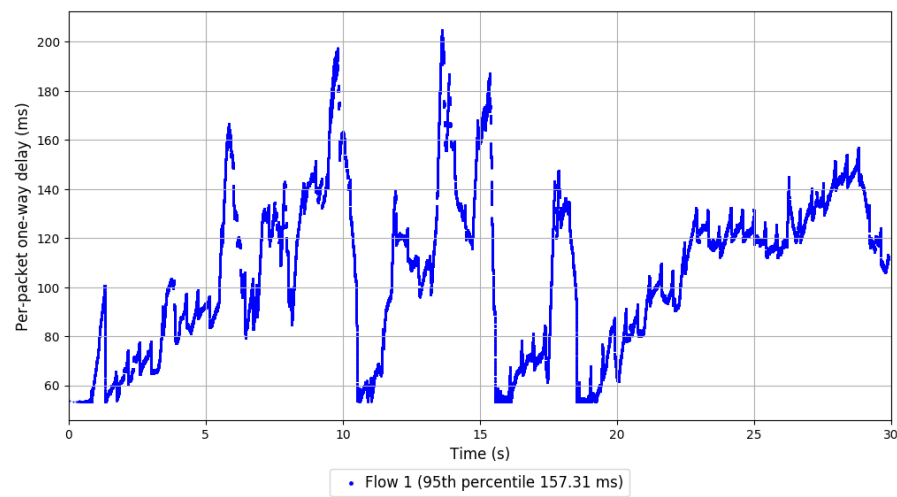
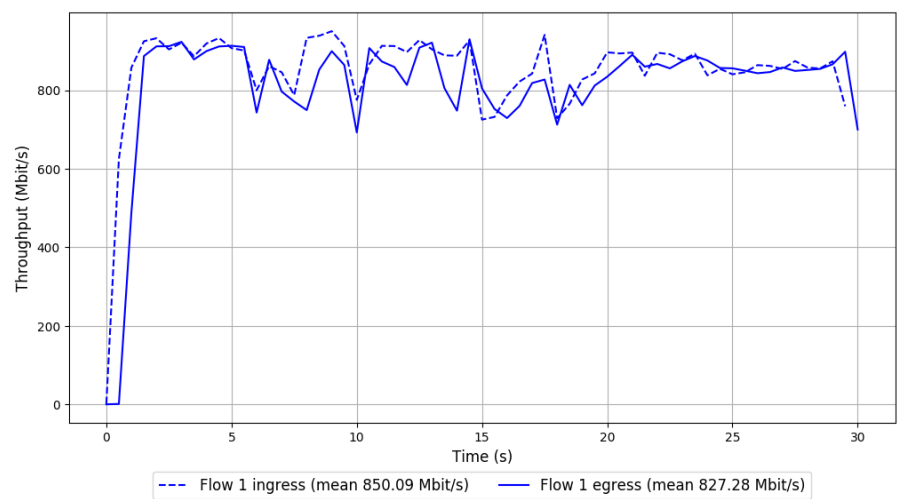
-- Flow 1:

Average throughput: 827.28 Mbit/s

95th percentile per-packet one-way delay: 157.305 ms

Loss rate: 3.02%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-26 10:02:00

End at: 2018-05-26 10:02:30

Local clock offset: 0.059 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-05-26 13:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 812.94 Mbit/s

95th percentile per-packet one-way delay: 171.309 ms

Loss rate: 3.12%

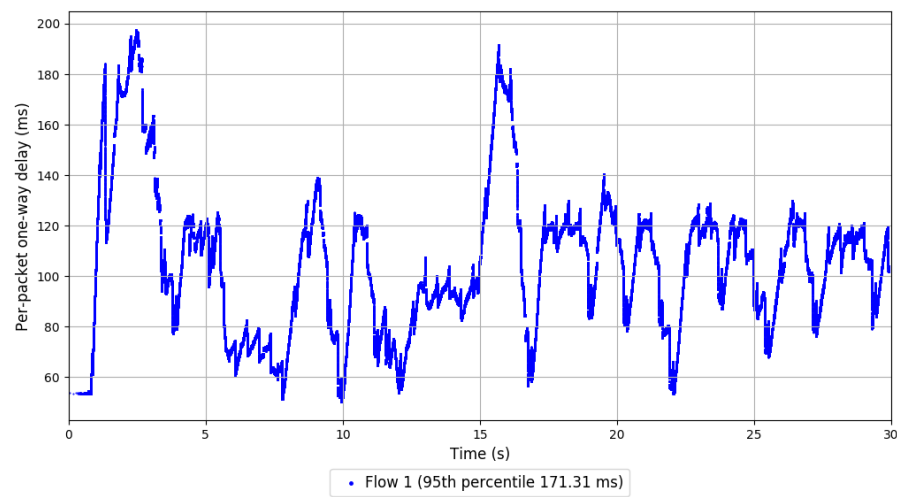
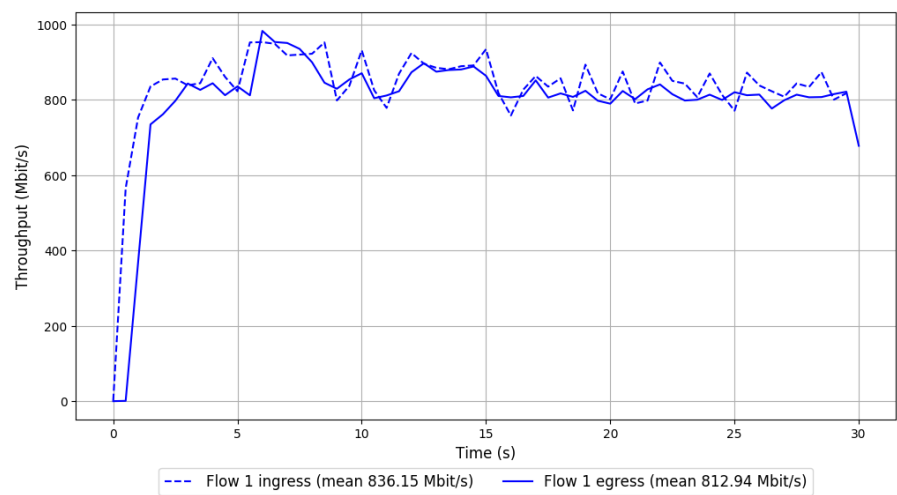
-- Flow 1:

Average throughput: 812.94 Mbit/s

95th percentile per-packet one-way delay: 171.309 ms

Loss rate: 3.12%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-26 10:22:42

End at: 2018-05-26 10:23:12

Local clock offset: -0.044 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-05-26 13:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 803.97 Mbit/s

95th percentile per-packet one-way delay: 228.013 ms

Loss rate: 2.61%

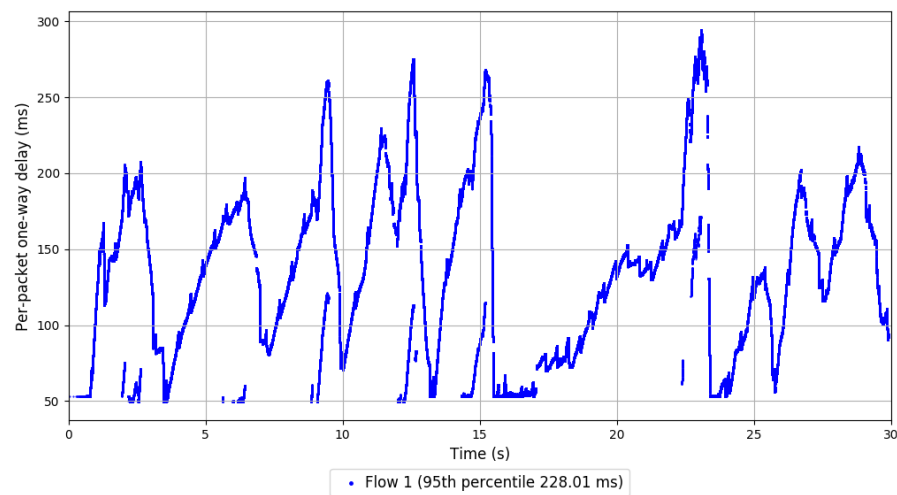
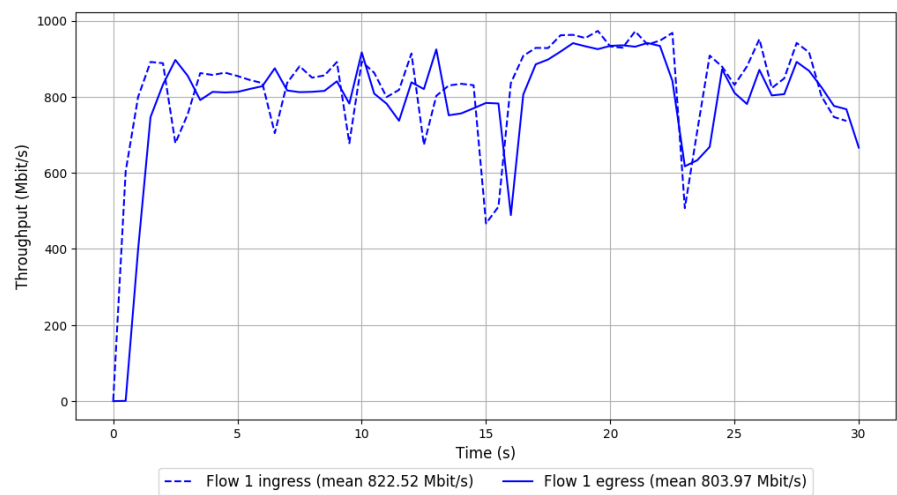
-- Flow 1:

Average throughput: 803.97 Mbit/s

95th percentile per-packet one-way delay: 228.013 ms

Loss rate: 2.61%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-26 10:43:06

End at: 2018-05-26 10:43:36

Local clock offset: 0.045 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-05-26 13:16:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 822.18 Mbit/s

95th percentile per-packet one-way delay: 220.448 ms

Loss rate: 3.19%

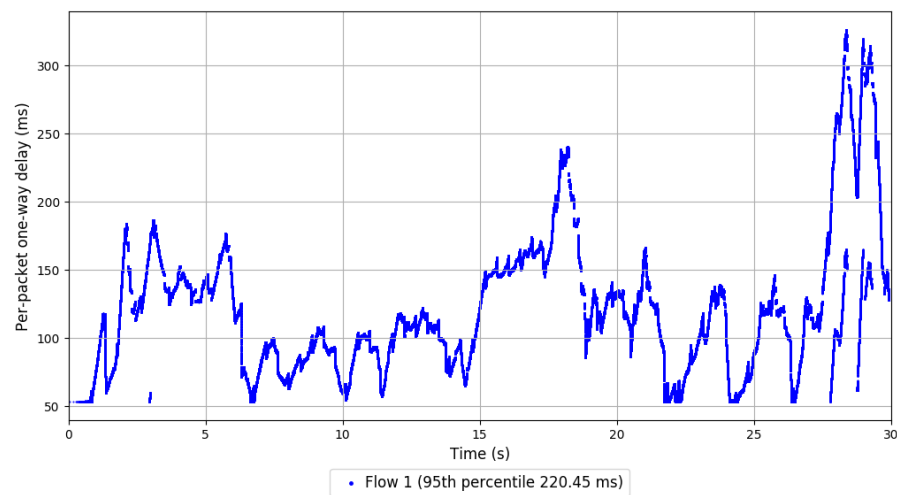
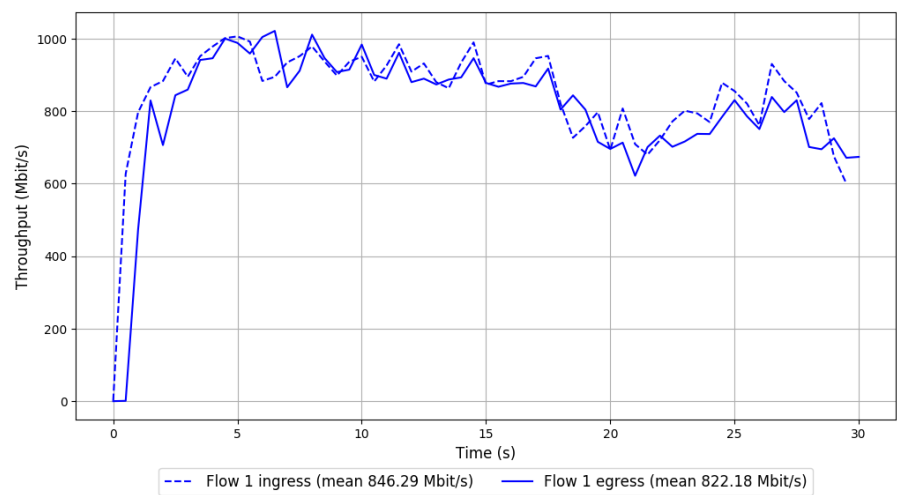
-- Flow 1:

Average throughput: 822.18 Mbit/s

95th percentile per-packet one-way delay: 220.448 ms

Loss rate: 3.19%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-26 11:03:27

End at: 2018-05-26 11:03:57

Local clock offset: 0.105 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-05-26 13:17:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 799.48 Mbit/s

95th percentile per-packet one-way delay: 134.991 ms

Loss rate: 4.85%

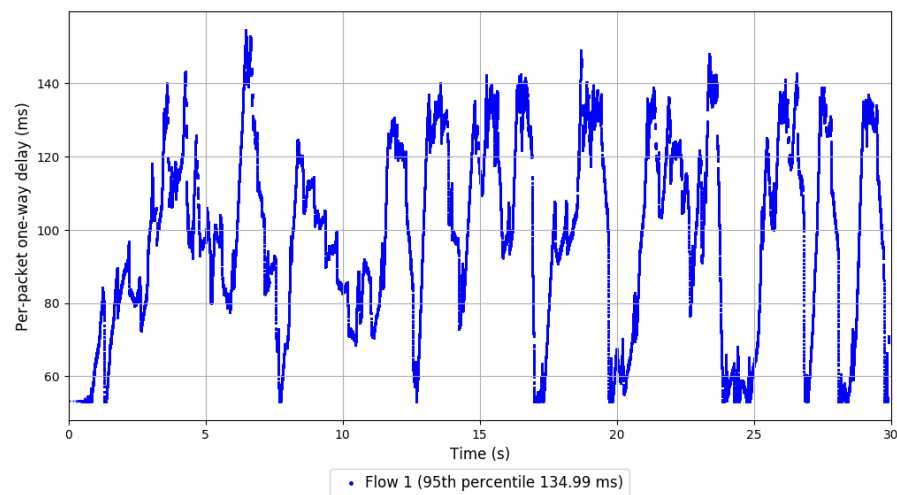
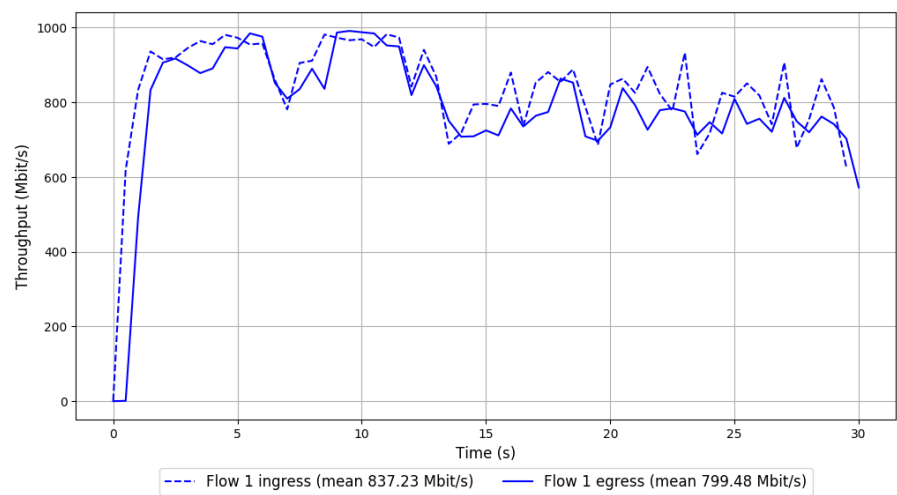
-- Flow 1:

Average throughput: 799.48 Mbit/s

95th percentile per-packet one-way delay: 134.991 ms

Loss rate: 4.85%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-26 11:23:55

End at: 2018-05-26 11:24:26

Local clock offset: -0.085 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-26 13:17:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 785.34 Mbit/s

95th percentile per-packet one-way delay: 177.525 ms

Loss rate: 4.62%

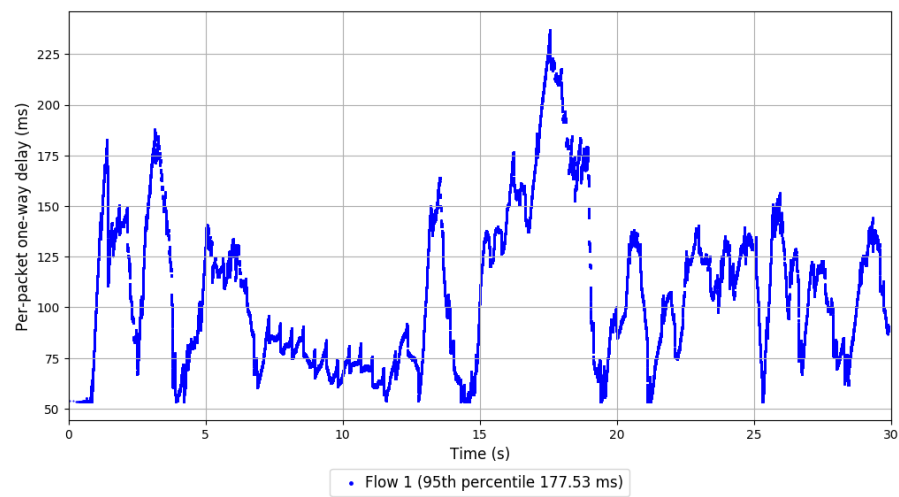
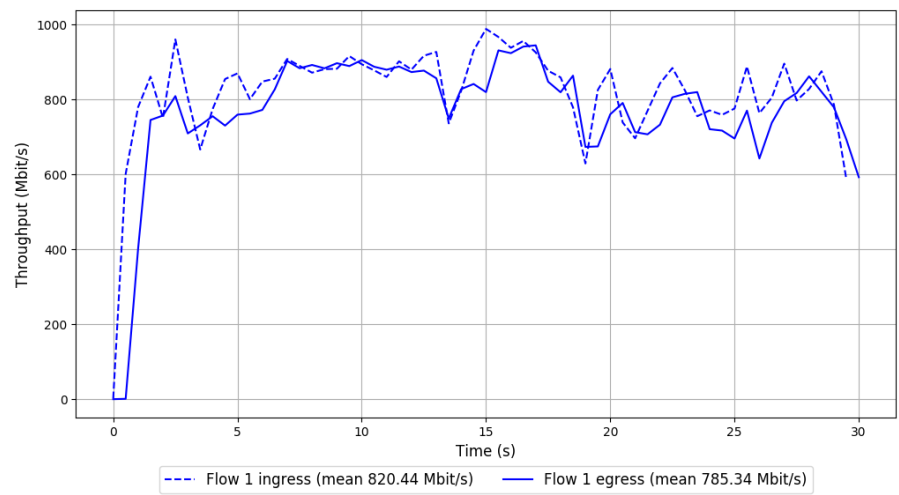
-- Flow 1:

Average throughput: 785.34 Mbit/s

95th percentile per-packet one-way delay: 177.525 ms

Loss rate: 4.62%

Run 7: Report of FillP — Data Link

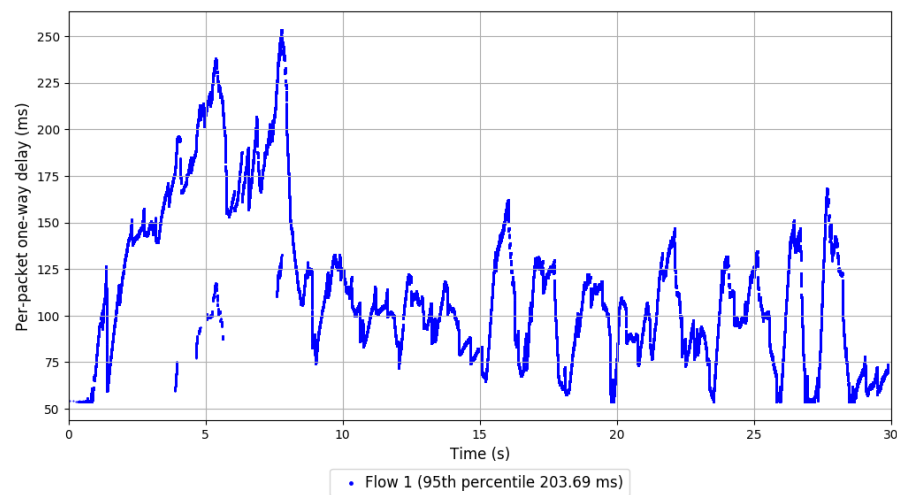
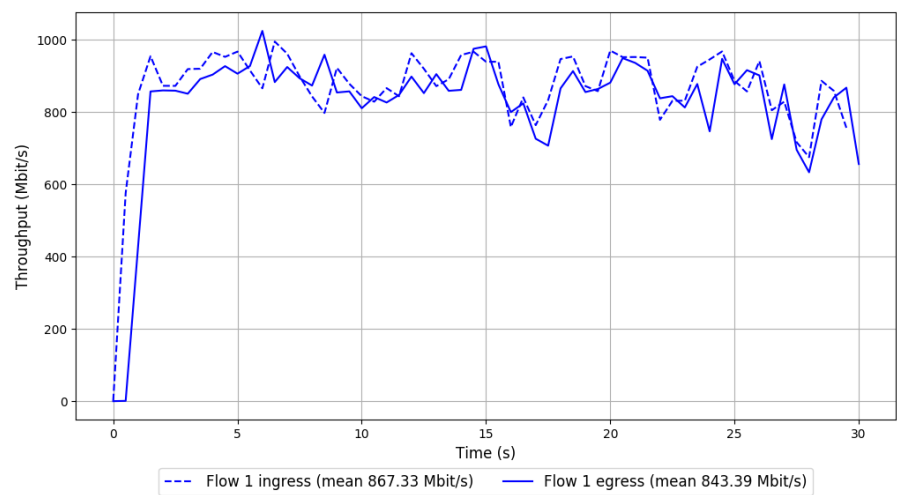


Run 8: Statistics of FillP

Start at: 2018-05-26 11:44:36
End at: 2018-05-26 11:45:06
Local clock offset: 0.05 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-05-26 13:18:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 843.39 Mbit/s
95th percentile per-packet one-way delay: 203.693 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 843.39 Mbit/s
95th percentile per-packet one-way delay: 203.693 ms
Loss rate: 3.11%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-26 12:05:33

End at: 2018-05-26 12:06:03

Local clock offset: -0.062 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-05-26 13:33:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 753.68 Mbit/s

95th percentile per-packet one-way delay: 209.973 ms

Loss rate: 4.12%

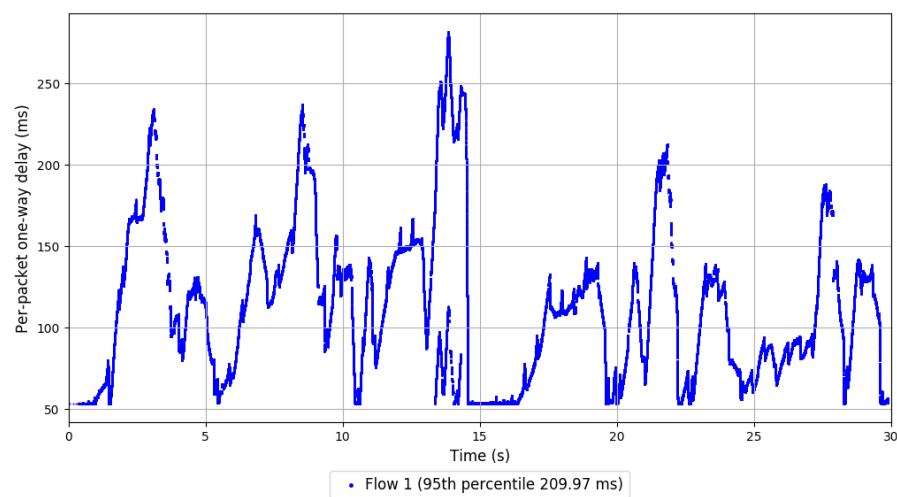
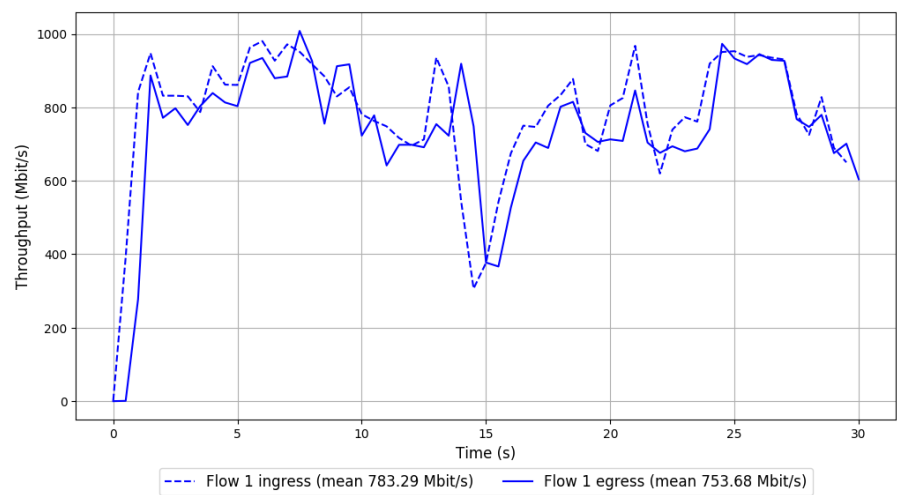
-- Flow 1:

Average throughput: 753.68 Mbit/s

95th percentile per-packet one-way delay: 209.973 ms

Loss rate: 4.12%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-26 12:25:48

End at: 2018-05-26 12:26:18

Local clock offset: 0.127 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.77 Mbit/s

95th percentile per-packet one-way delay: 225.319 ms

Loss rate: 2.87%

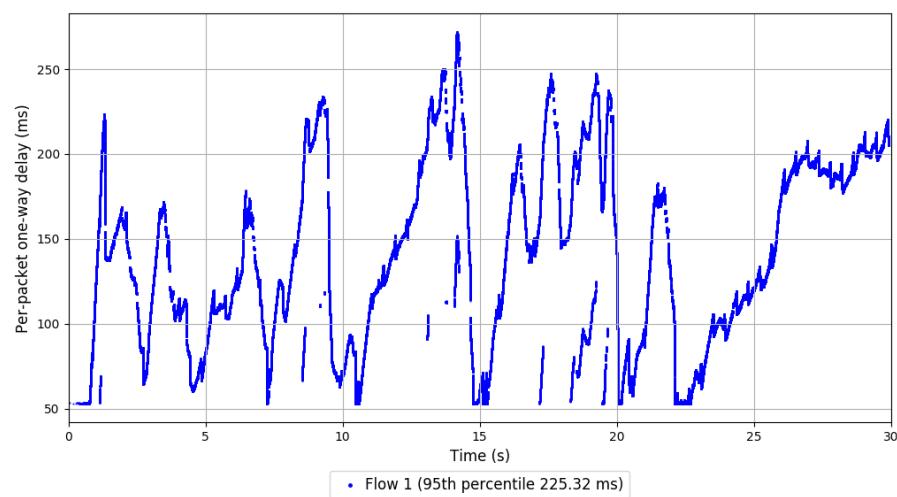
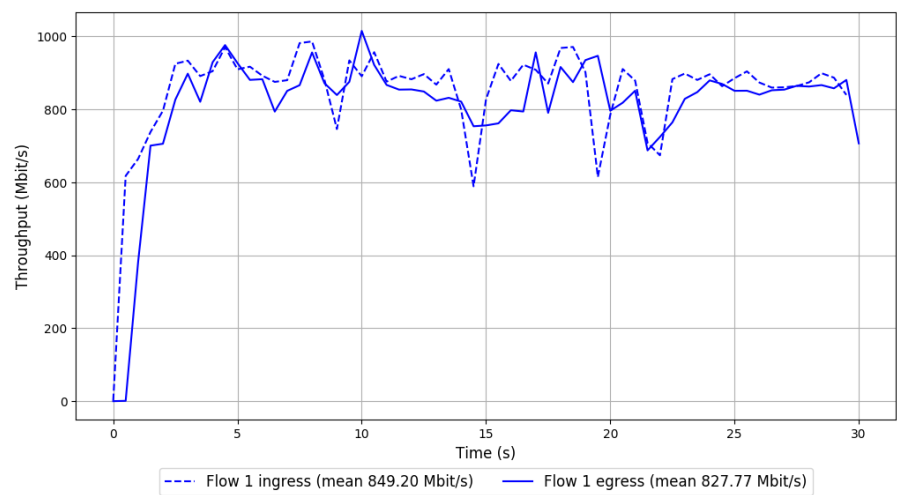
-- Flow 1:

Average throughput: 827.77 Mbit/s

95th percentile per-packet one-way delay: 225.319 ms

Loss rate: 2.87%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-05-26 09:09:45

End at: 2018-05-26 09:10:15

Local clock offset: -0.026 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.98 Mbit/s

95th percentile per-packet one-way delay: 50.343 ms

Loss rate: 0.29%

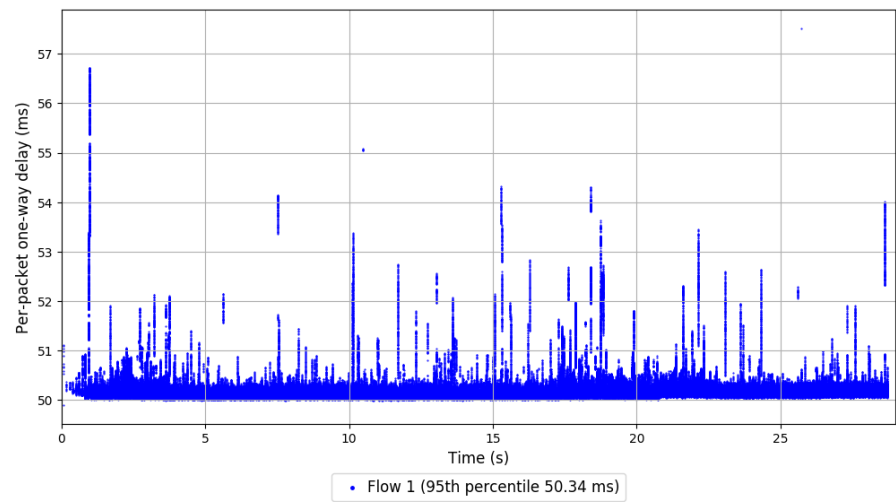
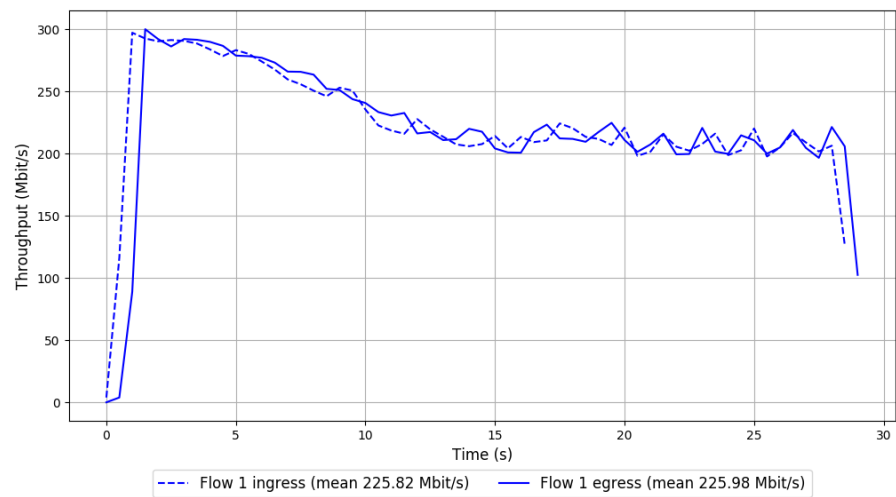
-- Flow 1:

Average throughput: 225.98 Mbit/s

95th percentile per-packet one-way delay: 50.343 ms

Loss rate: 0.29%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-26 09:30:03

End at: 2018-05-26 09:30:33

Local clock offset: 0.055 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.46 Mbit/s

95th percentile per-packet one-way delay: 50.206 ms

Loss rate: 0.34%

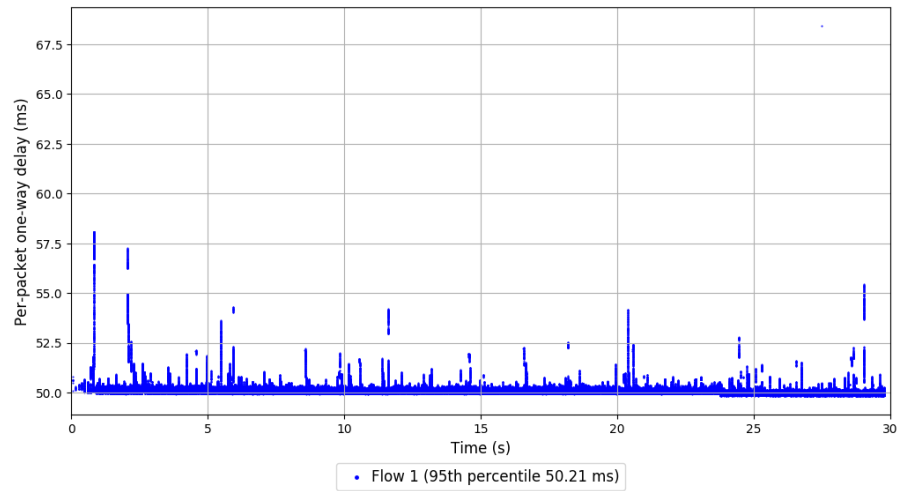
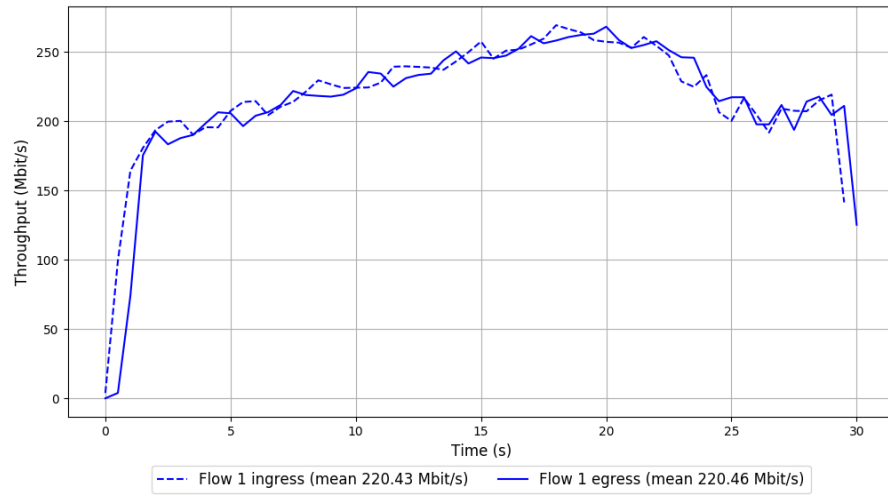
-- Flow 1:

Average throughput: 220.46 Mbit/s

95th percentile per-packet one-way delay: 50.206 ms

Loss rate: 0.34%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-26 09:50:47

End at: 2018-05-26 09:51:17

Local clock offset: -0.057 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.90 Mbit/s

95th percentile per-packet one-way delay: 49.972 ms

Loss rate: 0.34%

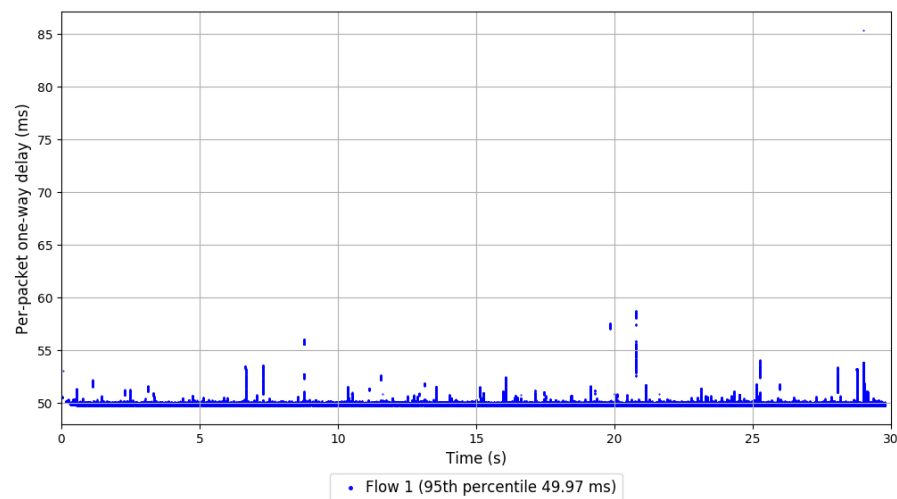
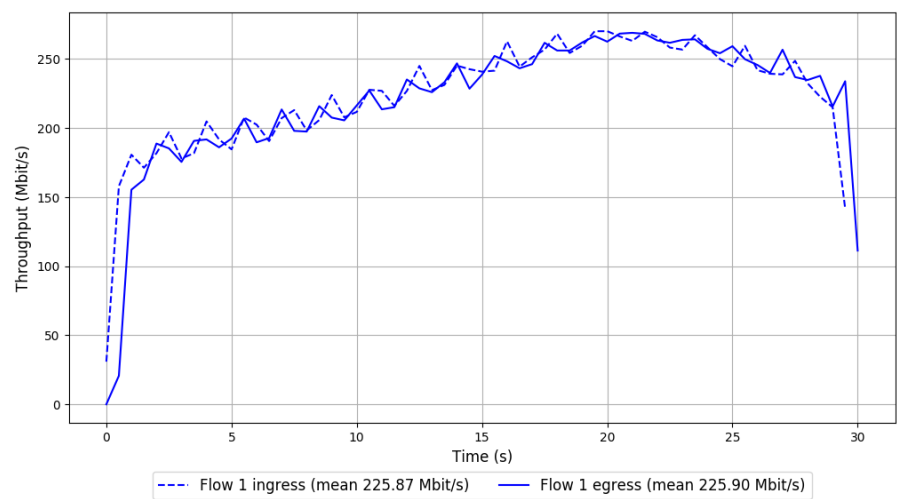
-- Flow 1:

Average throughput: 225.90 Mbit/s

95th percentile per-packet one-way delay: 49.972 ms

Loss rate: 0.34%

Run 3: Report of Indigo — Data Link

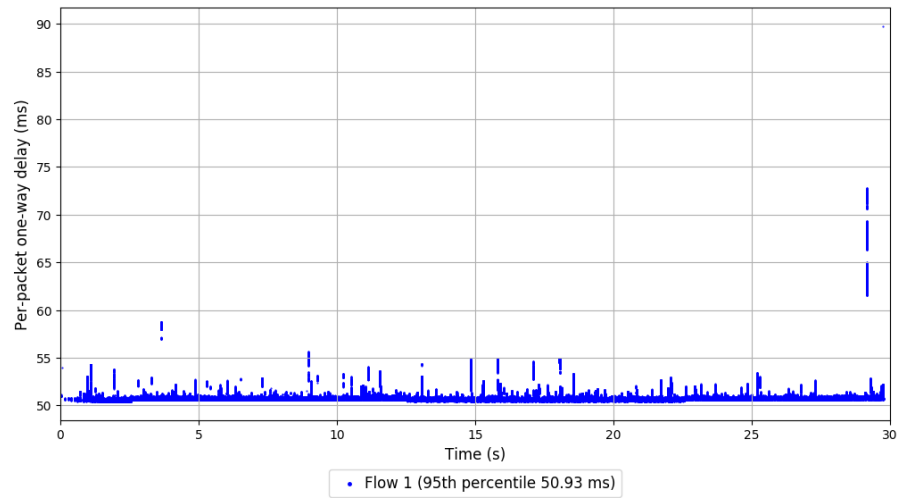
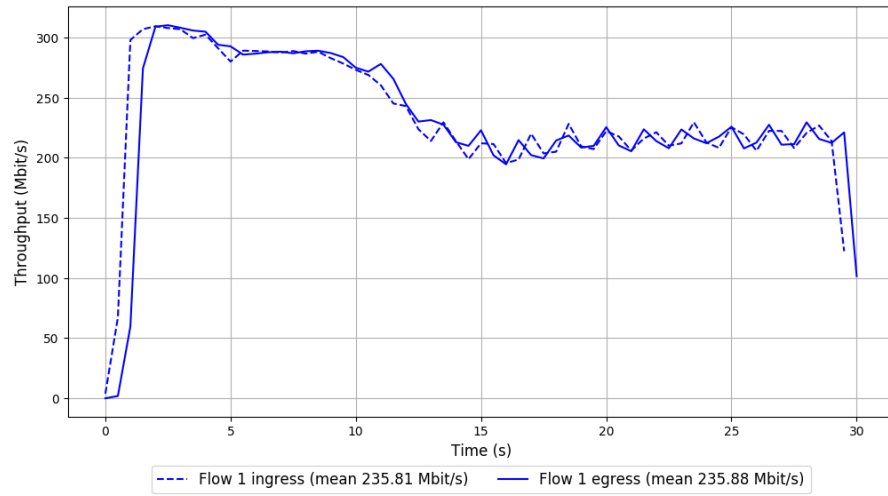


Run 4: Statistics of Indigo

Start at: 2018-05-26 10:11:05
End at: 2018-05-26 10:11:35
Local clock offset: 0.516 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-05-26 13:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.88 Mbit/s
95th percentile per-packet one-way delay: 50.931 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 235.88 Mbit/s
95th percentile per-packet one-way delay: 50.931 ms
Loss rate: 0.32%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-26 10:31:52

End at: 2018-05-26 10:32:22

Local clock offset: -0.142 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.69 Mbit/s

95th percentile per-packet one-way delay: 49.825 ms

Loss rate: 0.31%

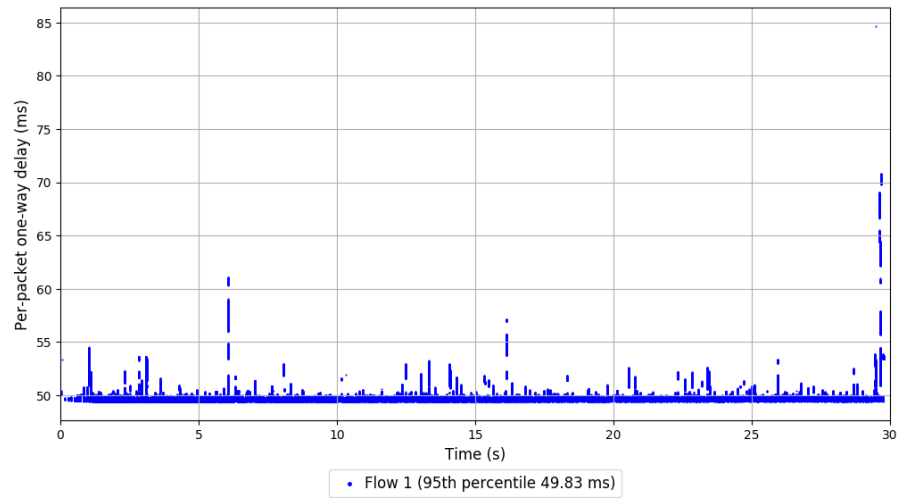
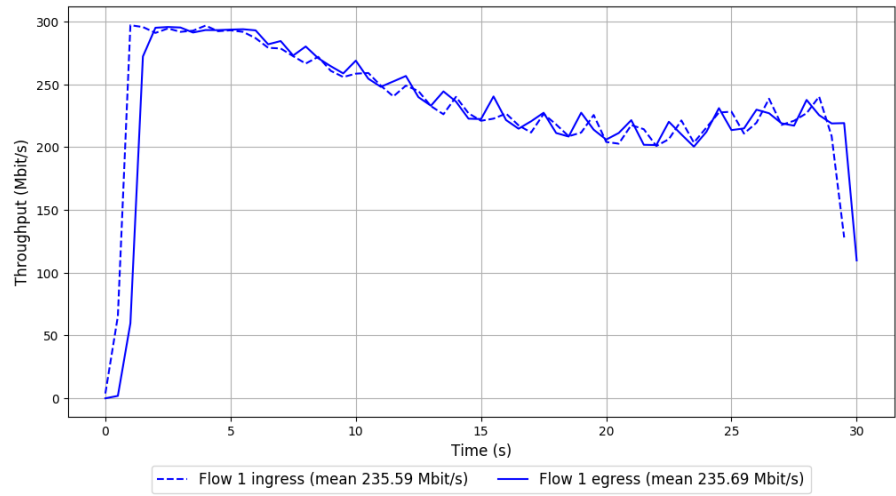
-- Flow 1:

Average throughput: 235.69 Mbit/s

95th percentile per-packet one-way delay: 49.825 ms

Loss rate: 0.31%

Run 5: Report of Indigo — Data Link

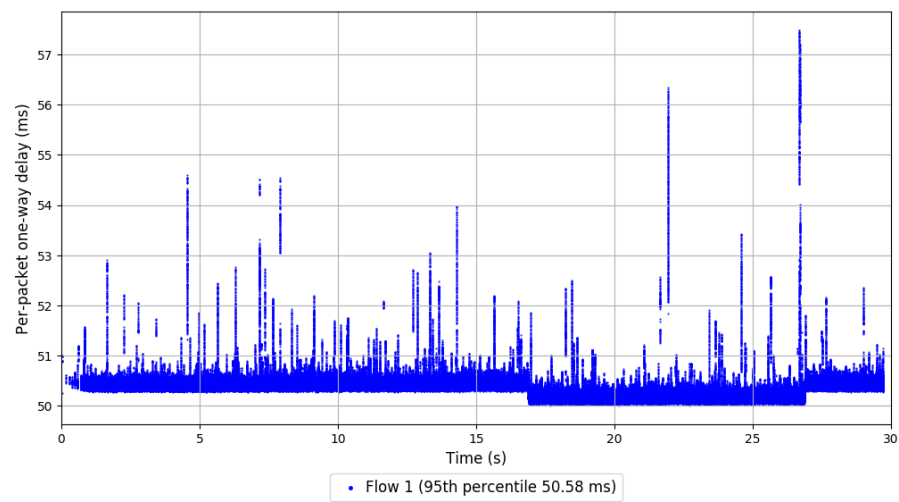
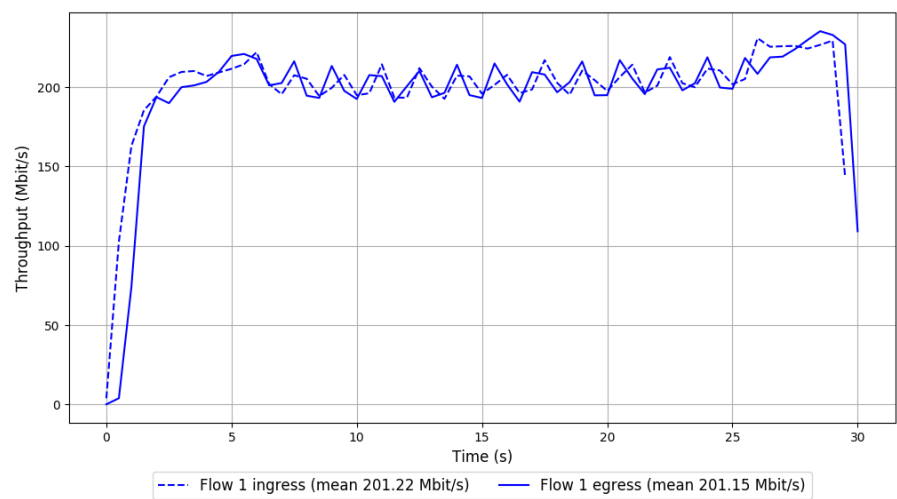


Run 6: Statistics of Indigo

Start at: 2018-05-26 10:52:10
End at: 2018-05-26 10:52:40
Local clock offset: 0.088 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-05-26 13:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.15 Mbit/s
95th percentile per-packet one-way delay: 50.579 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 201.15 Mbit/s
95th percentile per-packet one-way delay: 50.579 ms
Loss rate: 0.40%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-26 11:12:42

End at: 2018-05-26 11:13:12

Local clock offset: -0.076 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.63 Mbit/s

95th percentile per-packet one-way delay: 50.077 ms

Loss rate: 0.32%

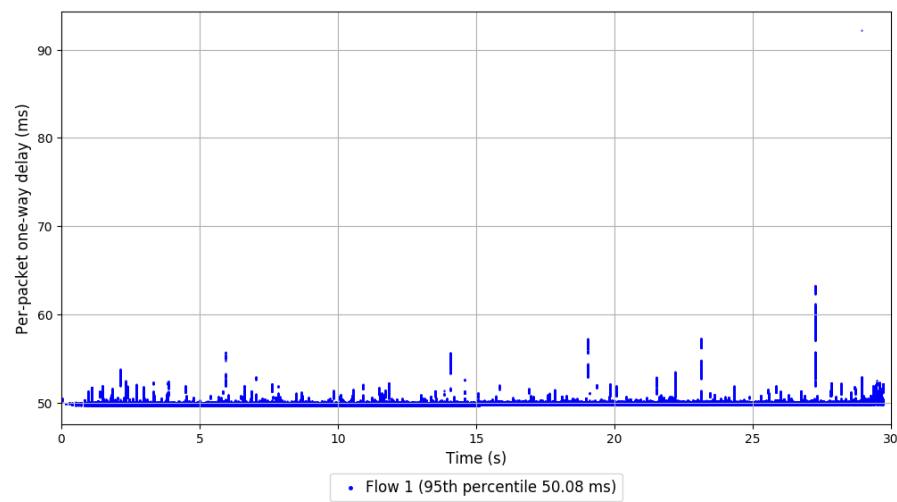
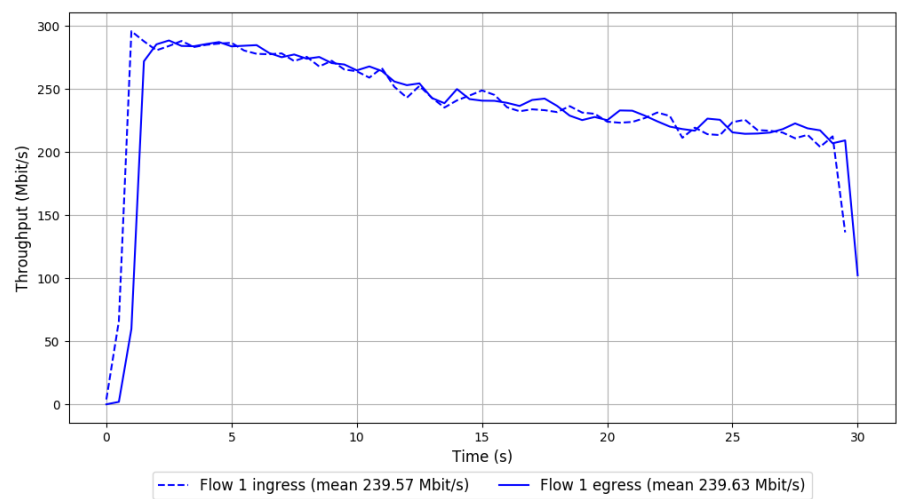
-- Flow 1:

Average throughput: 239.63 Mbit/s

95th percentile per-packet one-way delay: 50.077 ms

Loss rate: 0.32%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-26 11:32:59

End at: 2018-05-26 11:33:29

Local clock offset: 0.119 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.01 Mbit/s

95th percentile per-packet one-way delay: 50.973 ms

Loss rate: 0.31%

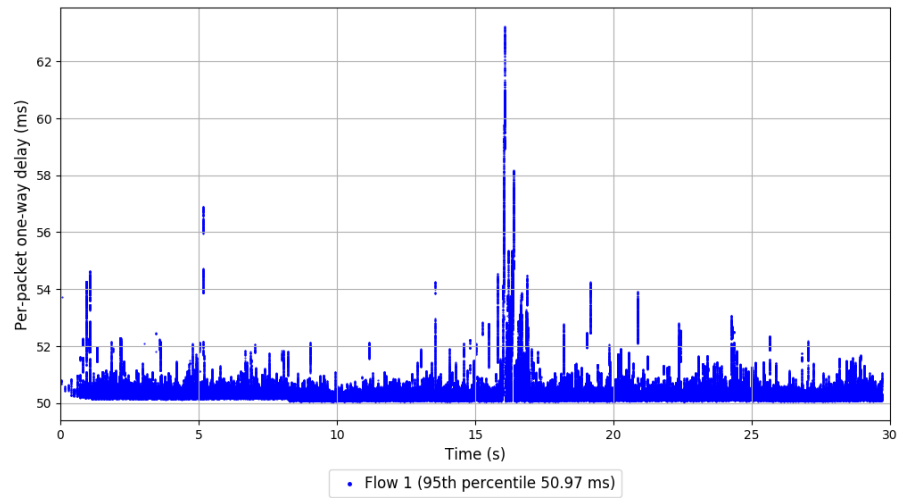
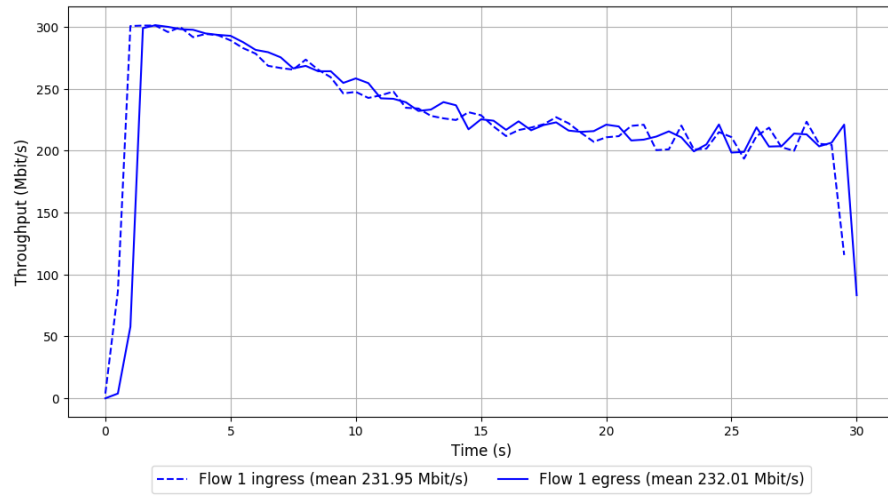
-- Flow 1:

Average throughput: 232.01 Mbit/s

95th percentile per-packet one-way delay: 50.973 ms

Loss rate: 0.31%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-26 11:54:07

End at: 2018-05-26 11:54:37

Local clock offset: -0.01 ms

Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.53 Mbit/s

95th percentile per-packet one-way delay: 50.521 ms

Loss rate: 0.40%

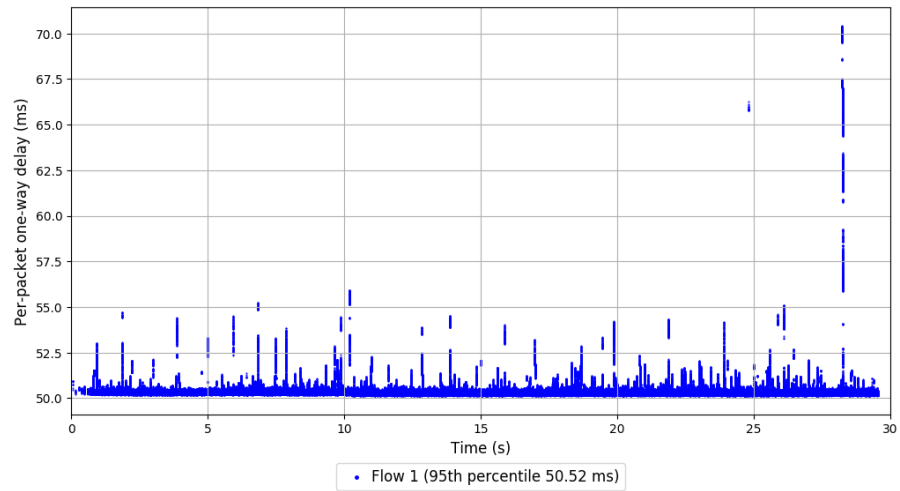
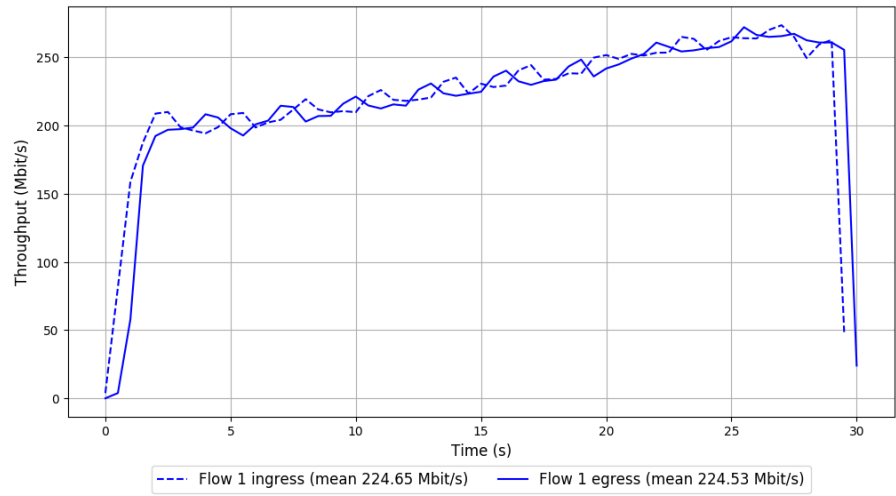
-- Flow 1:

Average throughput: 224.53 Mbit/s

95th percentile per-packet one-way delay: 50.521 ms

Loss rate: 0.40%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-26 12:14:27

End at: 2018-05-26 12:14:57

Local clock offset: 0.016 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.47 Mbit/s

95th percentile per-packet one-way delay: 50.460 ms

Loss rate: 0.37%

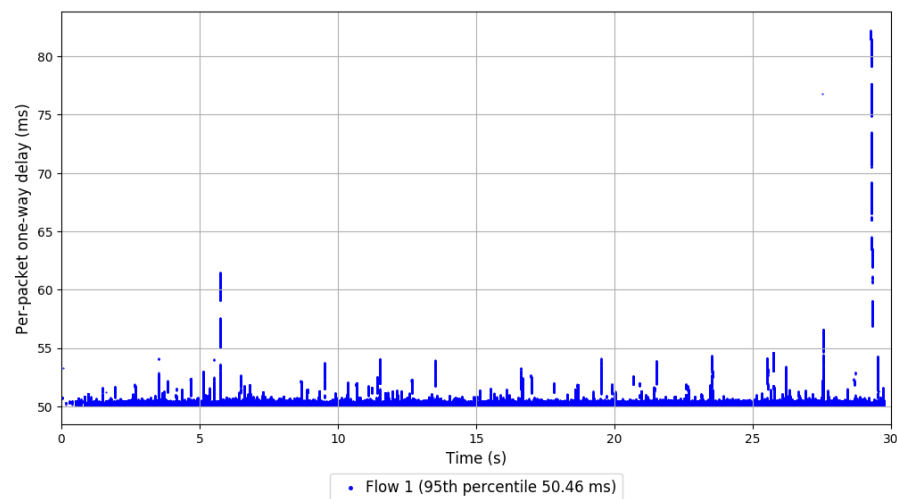
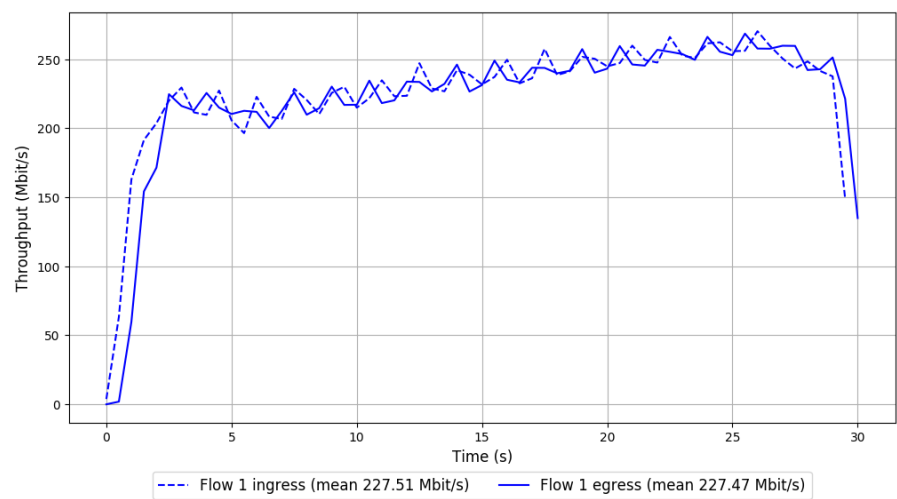
-- Flow 1:

Average throughput: 227.47 Mbit/s

95th percentile per-packet one-way delay: 50.460 ms

Loss rate: 0.37%

Run 10: Report of Indigo — Data Link

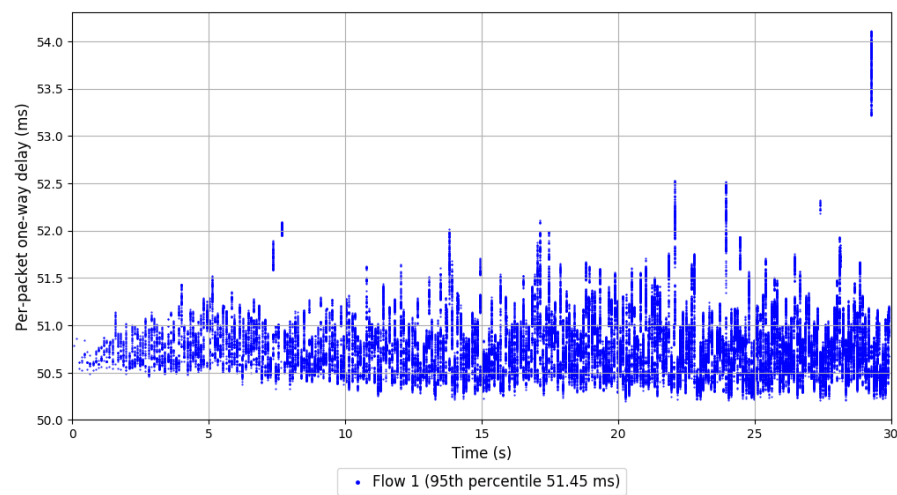
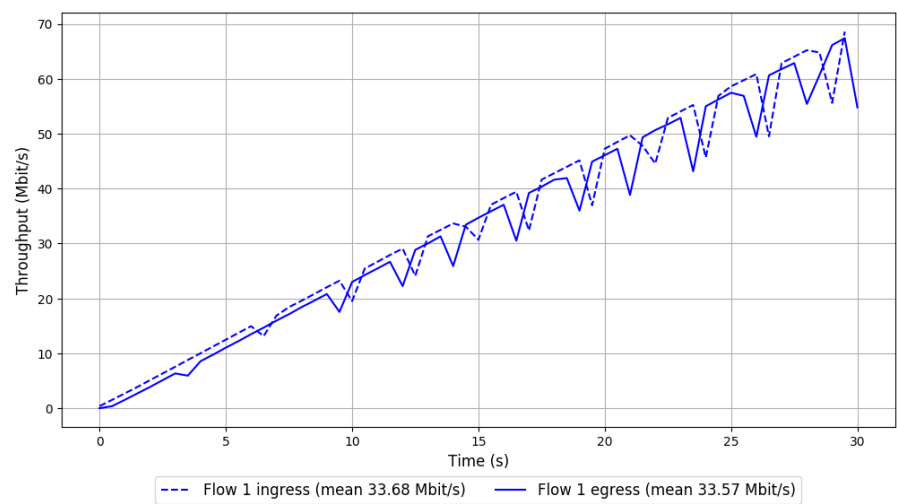


Run 1: Statistics of LEDBAT

Start at: 2018-05-26 09:12:18
End at: 2018-05-26 09:12:48
Local clock offset: 0.071 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-26 13:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 51.445 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 51.445 ms
Loss rate: 0.68%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-26 09:32:39

End at: 2018-05-26 09:33:09

Local clock offset: 0.368 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 51.115 ms

Loss rate: 2.67%

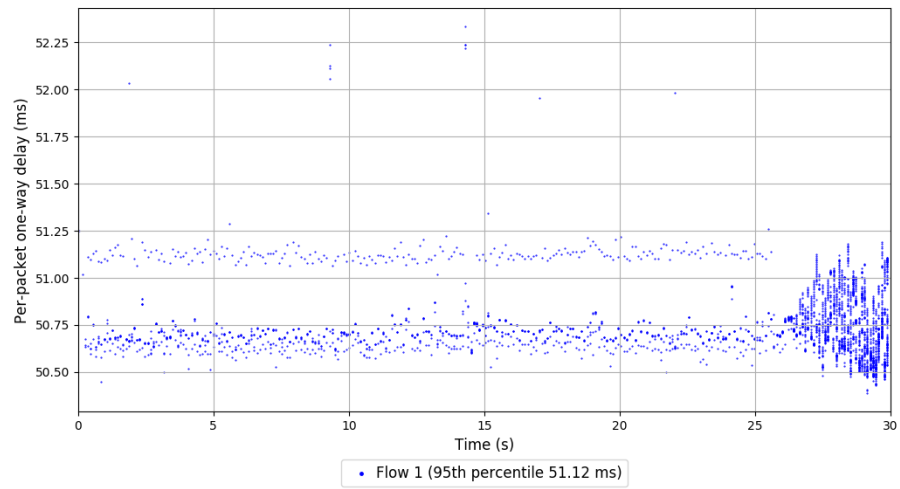
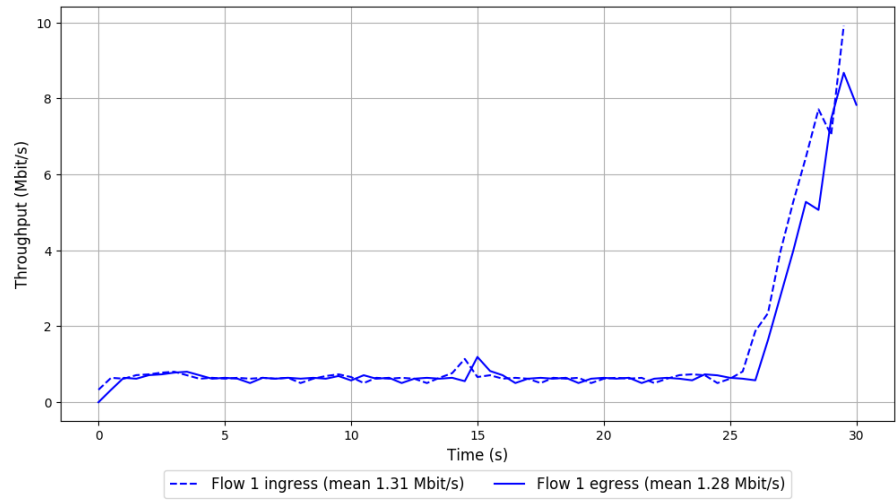
-- Flow 1:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 51.115 ms

Loss rate: 2.67%

Run 2: Report of LEDBAT — Data Link

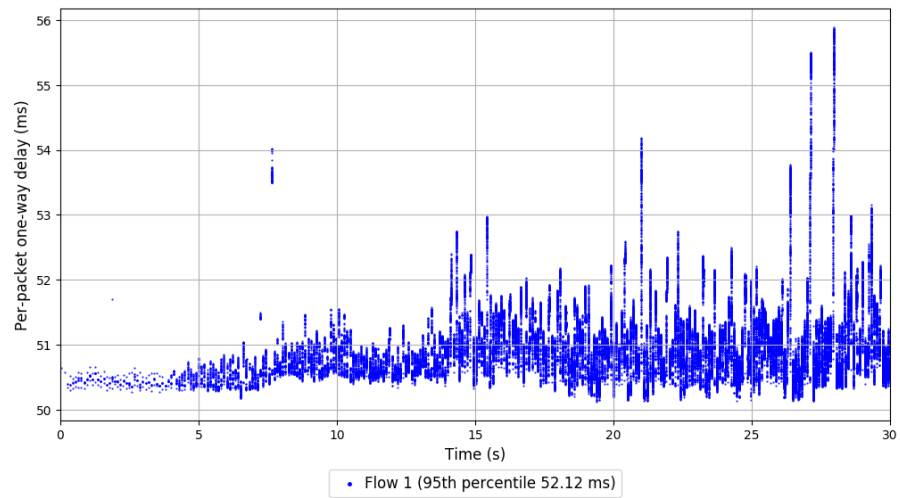
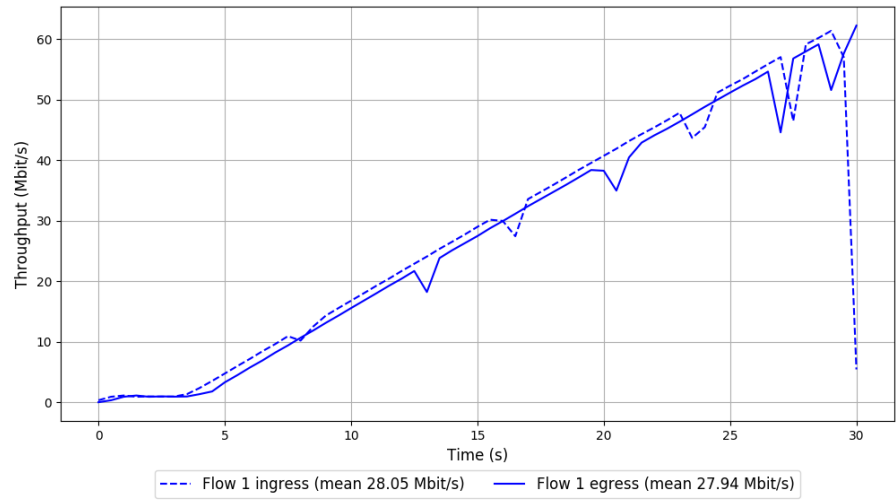


Run 3: Statistics of LEDBAT

Start at: 2018-05-26 09:53:20
End at: 2018-05-26 09:53:50
Local clock offset: 0.322 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-26 13:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 52.123 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 52.123 ms
Loss rate: 0.75%

Run 3: Report of LEDBAT — Data Link

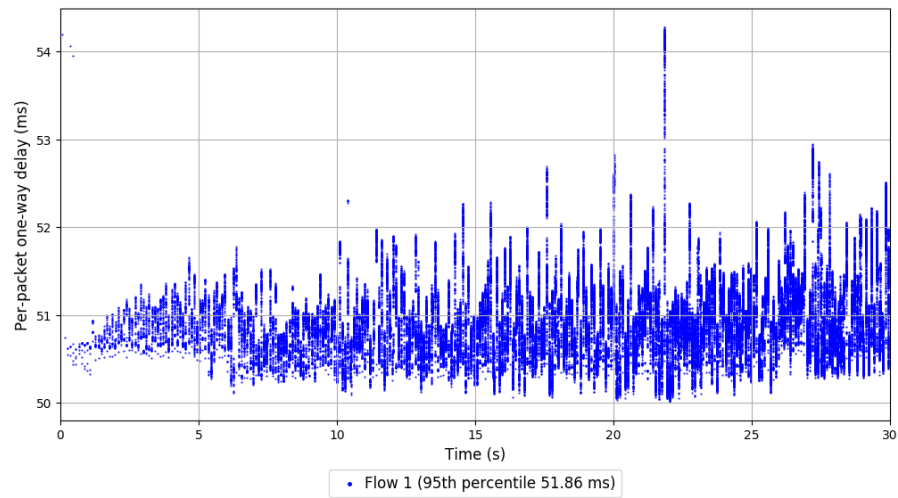
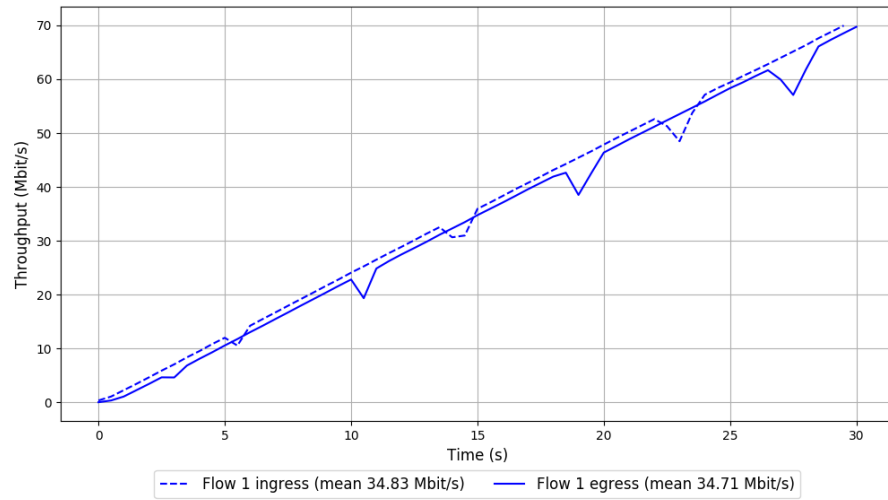


Run 4: Statistics of LEDBAT

Start at: 2018-05-26 10:13:41
End at: 2018-05-26 10:14:11
Local clock offset: 0.193 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-26 13:34:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 51.859 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 51.859 ms
Loss rate: 0.67%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-26 10:34:28

End at: 2018-05-26 10:34:58

Local clock offset: 0.147 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 51.843 ms

Loss rate: 0.68%

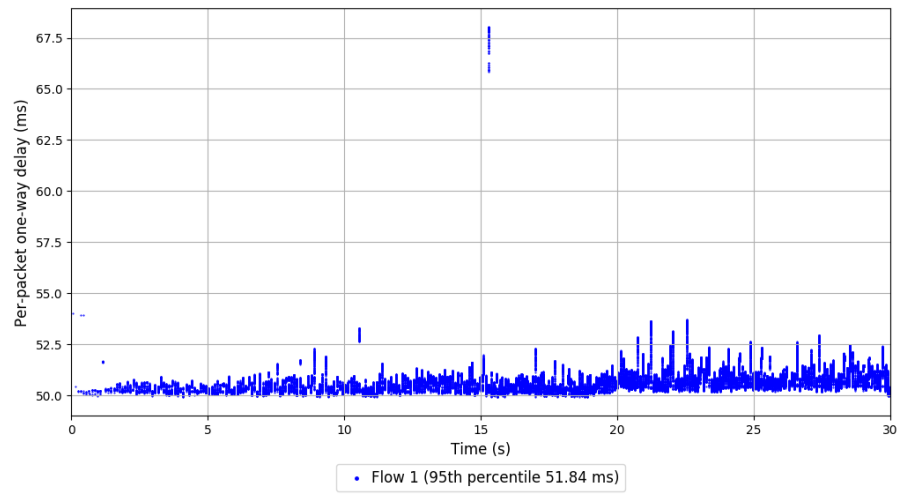
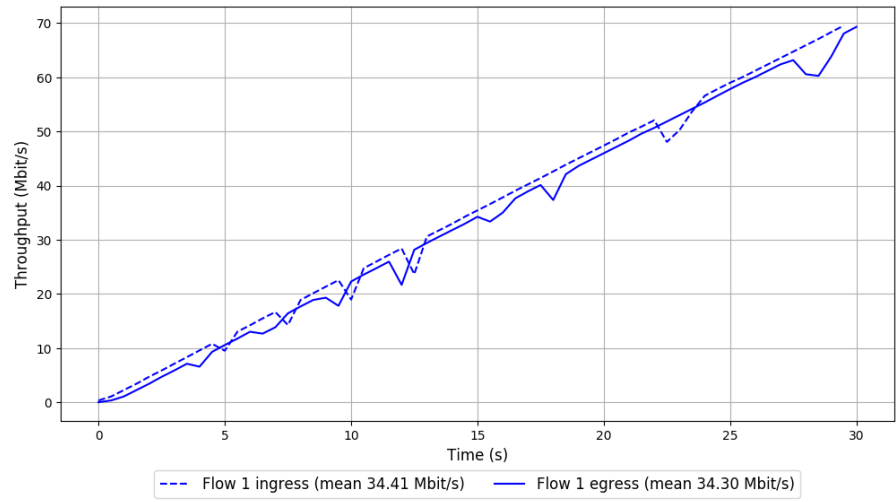
-- Flow 1:

Average throughput: 34.30 Mbit/s

95th percentile per-packet one-way delay: 51.843 ms

Loss rate: 0.68%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-26 10:54:41

End at: 2018-05-26 10:55:11

Local clock offset: -0.227 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 50.960 ms

Loss rate: 0.67%

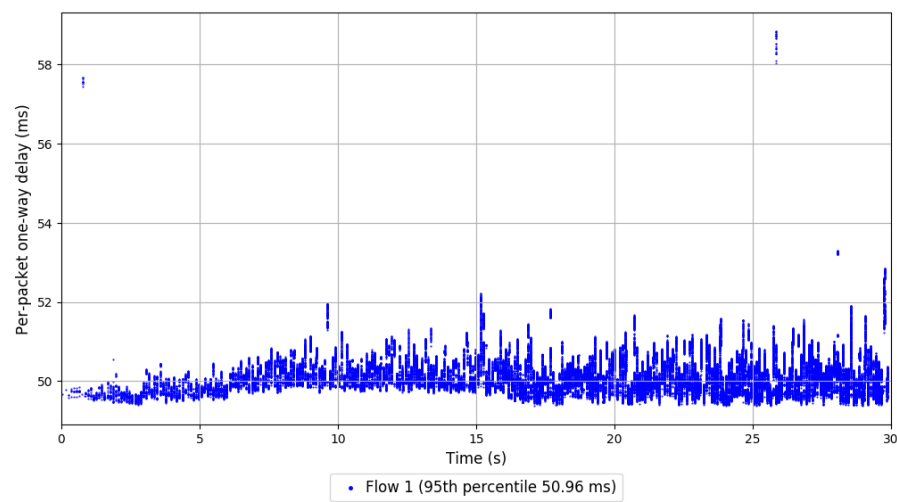
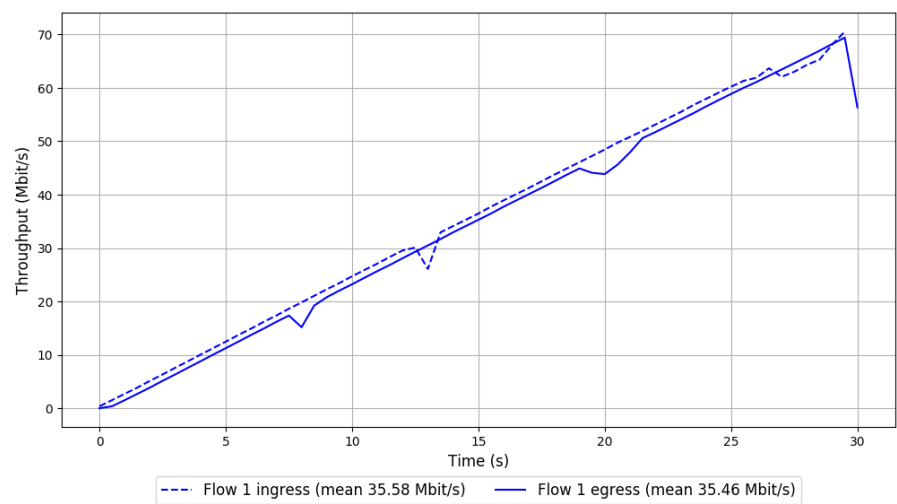
-- Flow 1:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 50.960 ms

Loss rate: 0.67%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-26 11:15:15

End at: 2018-05-26 11:15:45

Local clock offset: 0.116 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 51.932 ms

Loss rate: 0.68%

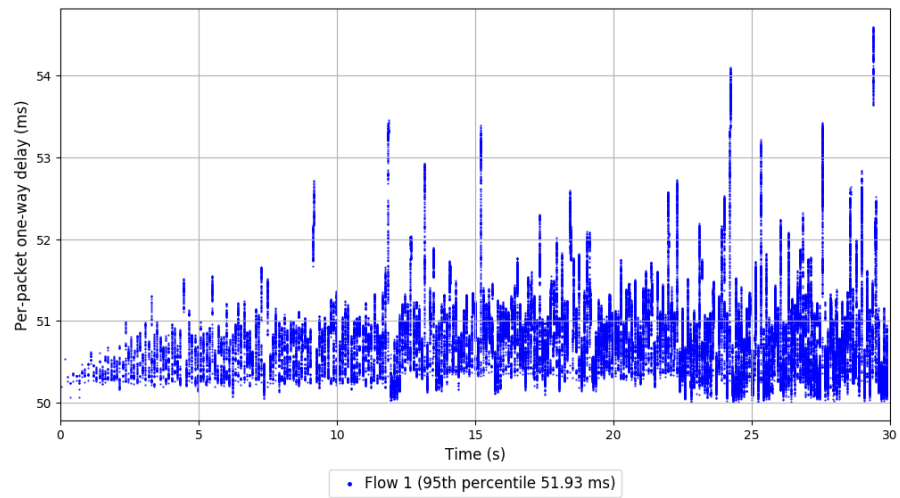
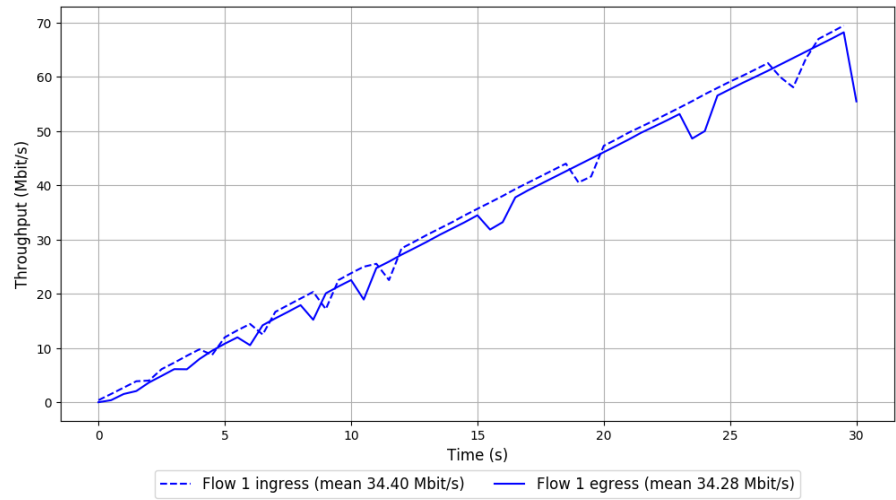
-- Flow 1:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 51.932 ms

Loss rate: 0.68%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-26 11:35:36

End at: 2018-05-26 11:36:06

Local clock offset: -0.001 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 51.895 ms

Loss rate: 0.56%

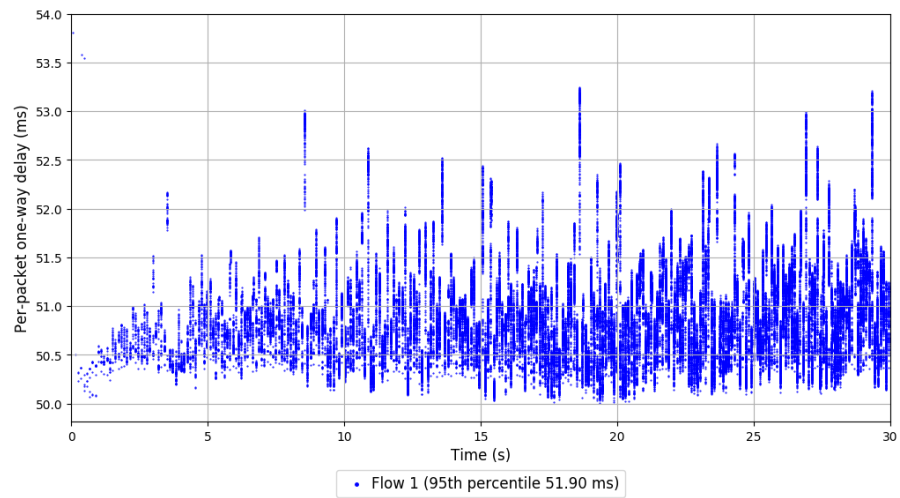
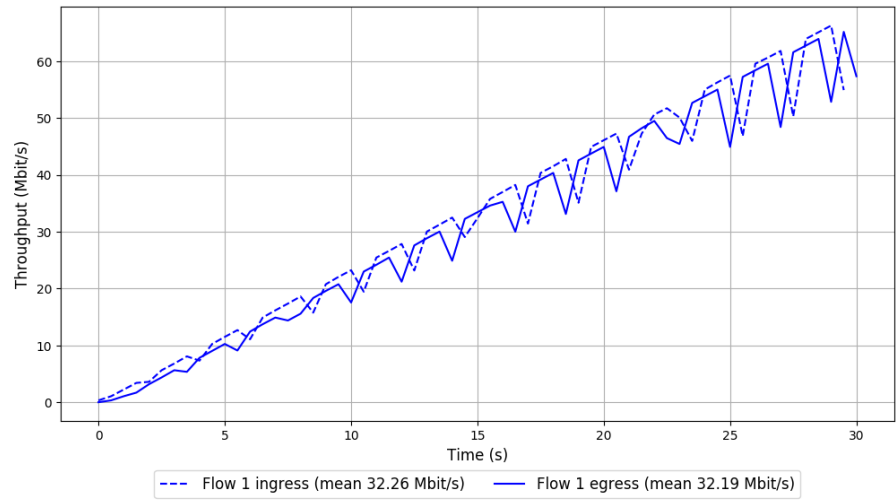
-- Flow 1:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 51.895 ms

Loss rate: 0.56%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-26 11:56:42

End at: 2018-05-26 11:57:12

Local clock offset: 0.214 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 51.562 ms

Loss rate: 0.69%

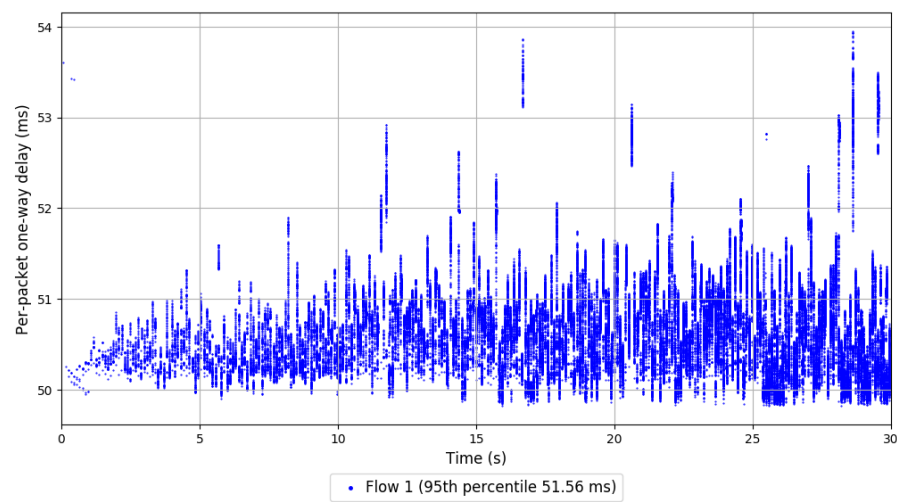
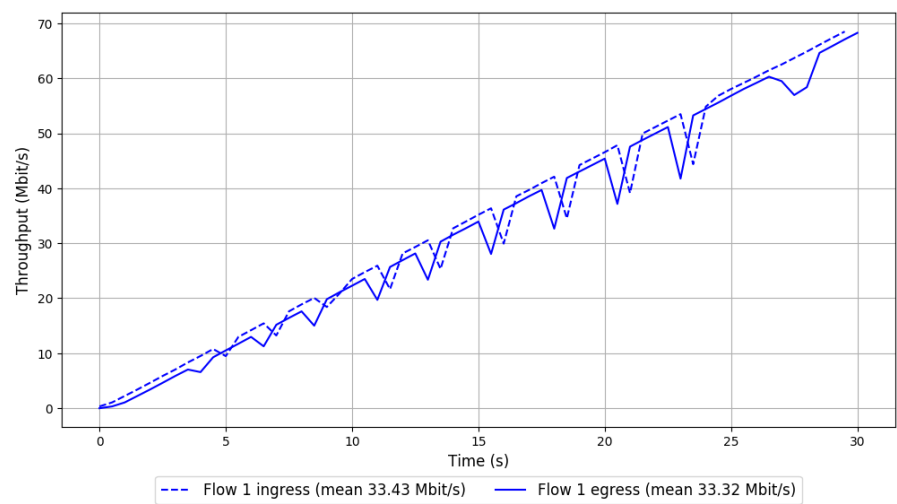
-- Flow 1:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 51.562 ms

Loss rate: 0.69%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-26 12:17:01

End at: 2018-05-26 12:17:31

Local clock offset: -0.098 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-05-26 13:34:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.50 Mbit/s

95th percentile per-packet one-way delay: 51.881 ms

Loss rate: 0.69%

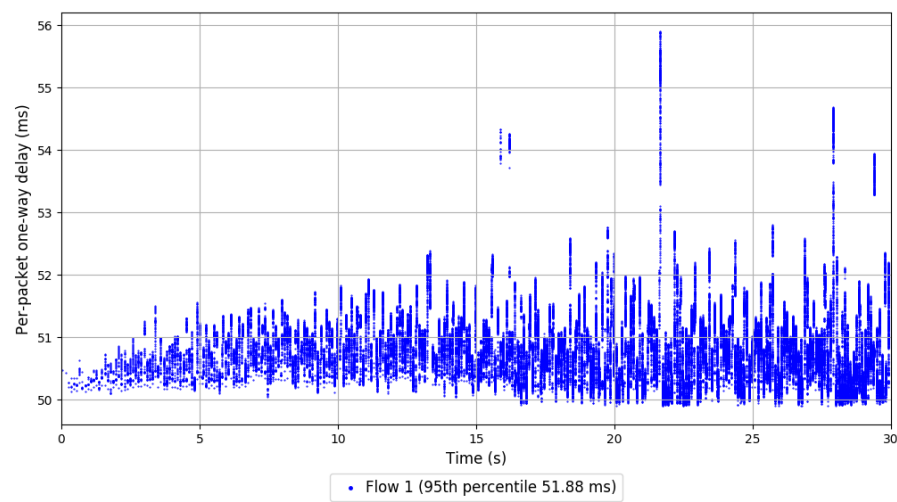
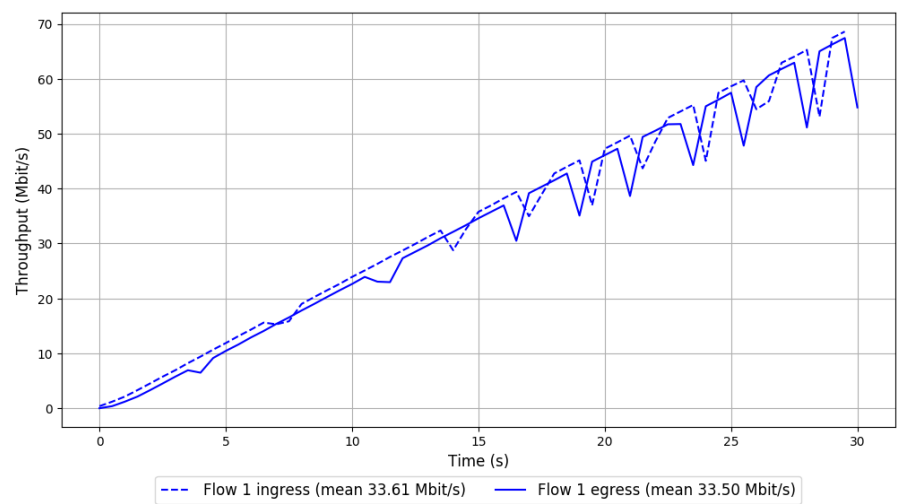
-- Flow 1:

Average throughput: 33.50 Mbit/s

95th percentile per-packet one-way delay: 51.881 ms

Loss rate: 0.69%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-26 09:17:20

End at: 2018-05-26 09:17:50

Local clock offset: 0.228 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-05-26 13:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.77 Mbit/s

95th percentile per-packet one-way delay: 164.735 ms

Loss rate: 0.82%

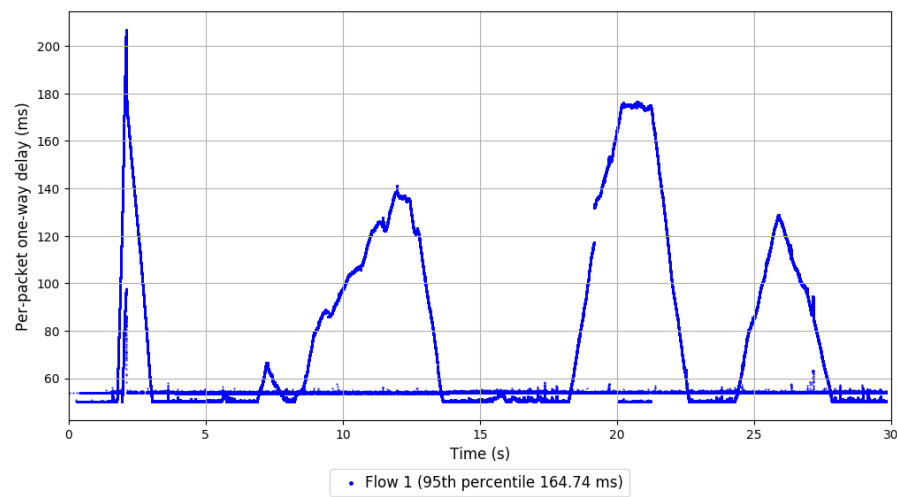
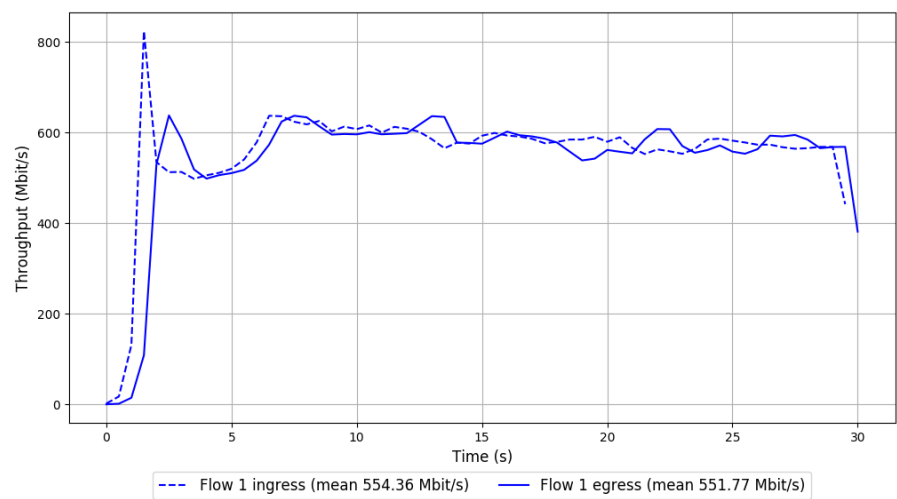
-- Flow 1:

Average throughput: 551.77 Mbit/s

95th percentile per-packet one-way delay: 164.735 ms

Loss rate: 0.82%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-26 09:37:38

End at: 2018-05-26 09:38:08

Local clock offset: 0.084 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-05-26 13:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.27 Mbit/s

95th percentile per-packet one-way delay: 161.375 ms

Loss rate: 1.14%

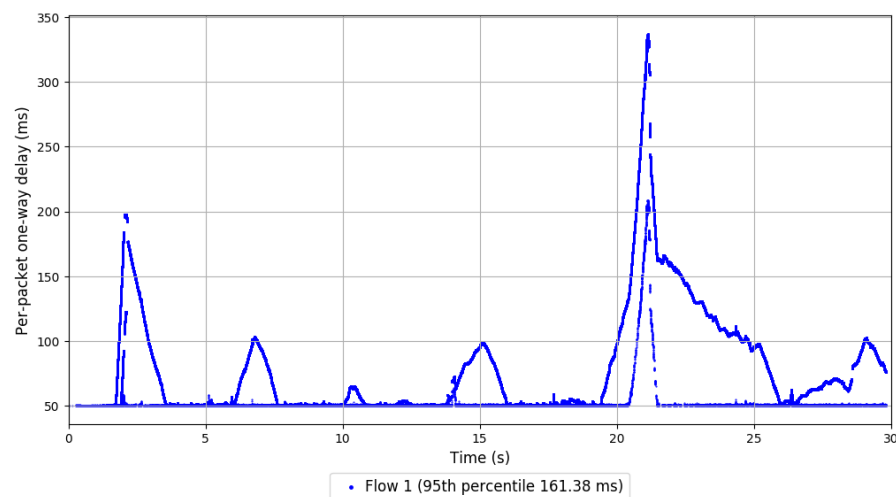
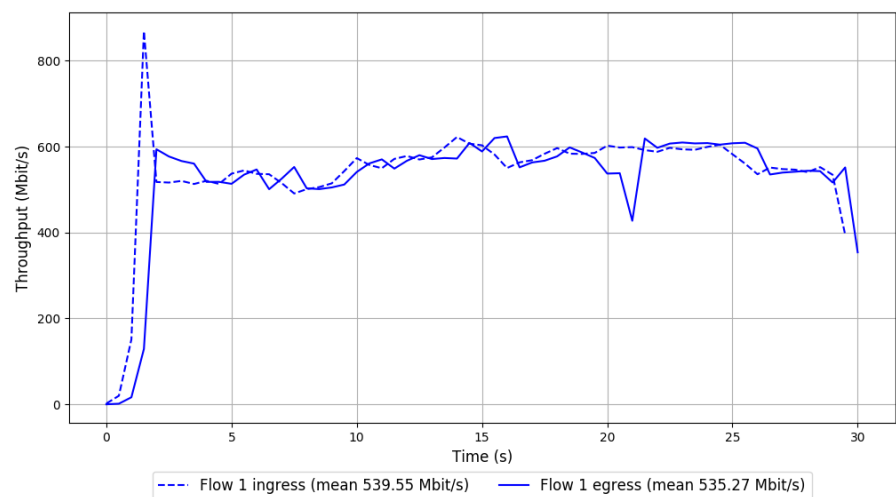
-- Flow 1:

Average throughput: 535.27 Mbit/s

95th percentile per-packet one-way delay: 161.375 ms

Loss rate: 1.14%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-26 09:58:22

End at: 2018-05-26 09:58:52

Local clock offset: 0.28 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-05-26 13:34:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 519.95 Mbit/s

95th percentile per-packet one-way delay: 179.832 ms

Loss rate: 1.05%

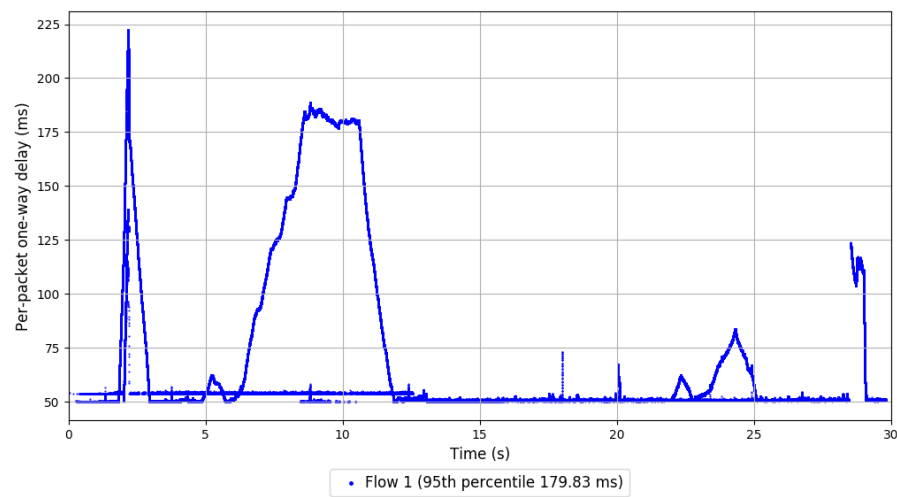
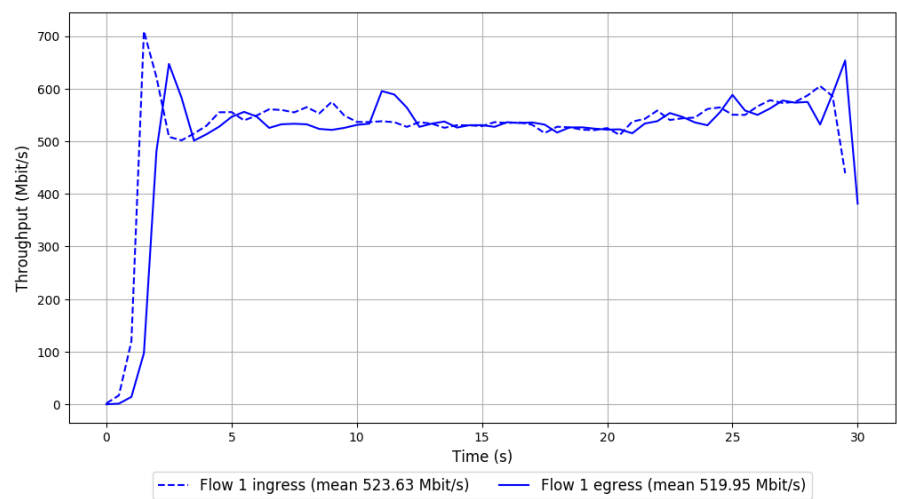
-- Flow 1:

Average throughput: 519.95 Mbit/s

95th percentile per-packet one-way delay: 179.832 ms

Loss rate: 1.05%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-26 10:18:44

End at: 2018-05-26 10:19:14

Local clock offset: 0.005 ms

Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-05-26 13:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.20 Mbit/s

95th percentile per-packet one-way delay: 165.296 ms

Loss rate: 0.87%

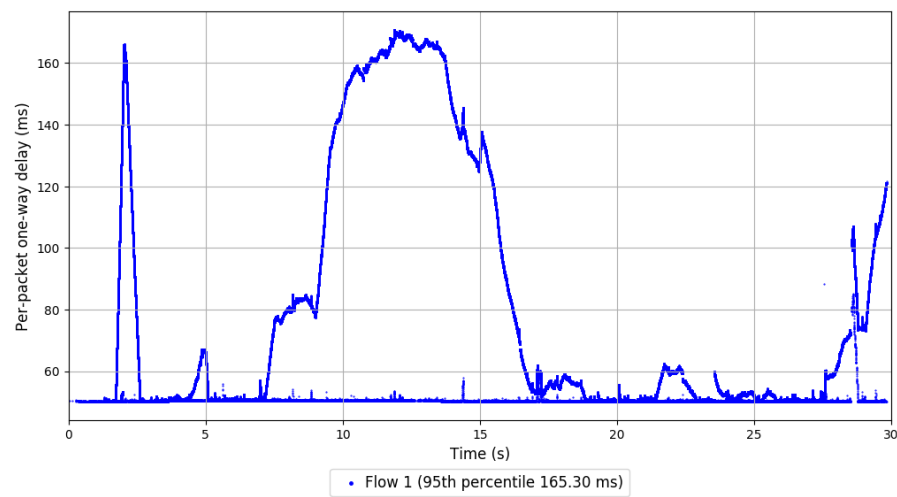
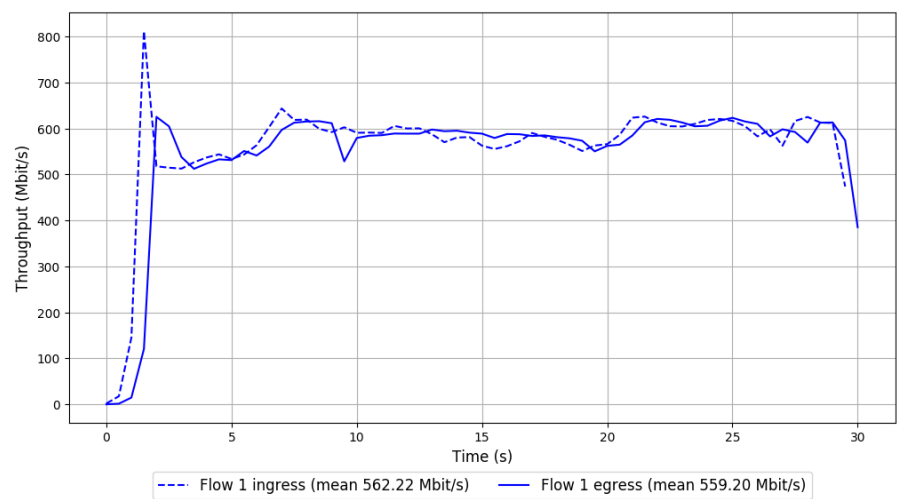
-- Flow 1:

Average throughput: 559.20 Mbit/s

95th percentile per-packet one-way delay: 165.296 ms

Loss rate: 0.87%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-26 10:39:29

End at: 2018-05-26 10:39:59

Local clock offset: 0.016 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-26 13:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.58 Mbit/s

95th percentile per-packet one-way delay: 53.992 ms

Loss rate: 0.66%

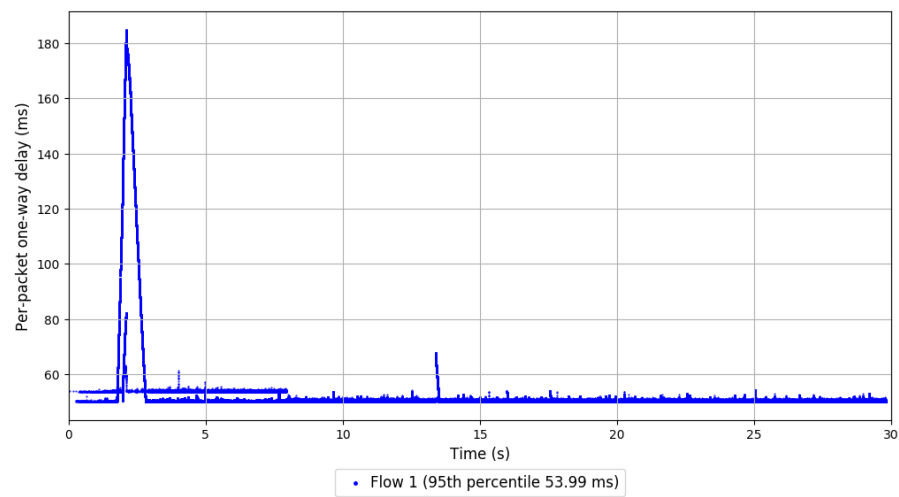
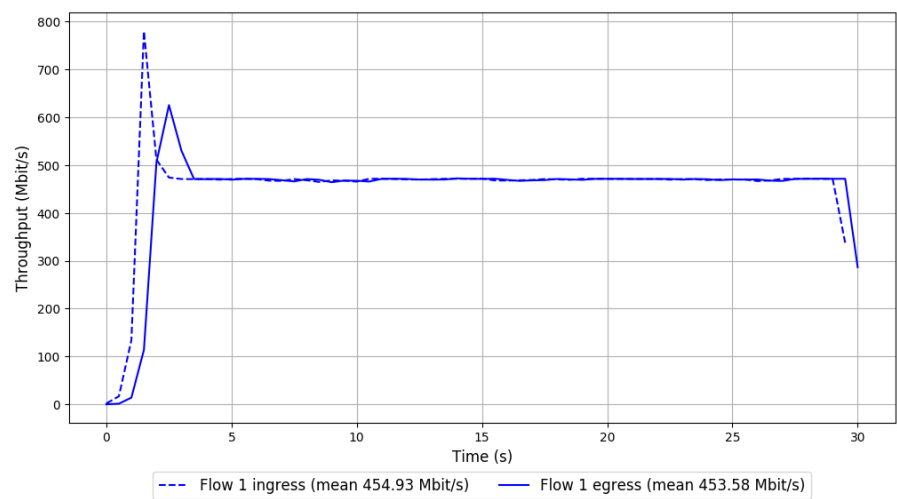
-- Flow 1:

Average throughput: 453.58 Mbit/s

95th percentile per-packet one-way delay: 53.992 ms

Loss rate: 0.66%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-26 10:59:43

End at: 2018-05-26 11:00:13

Local clock offset: 0.194 ms

Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-05-26 13:35:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 539.11 Mbit/s

95th percentile per-packet one-way delay: 122.708 ms

Loss rate: 0.57%

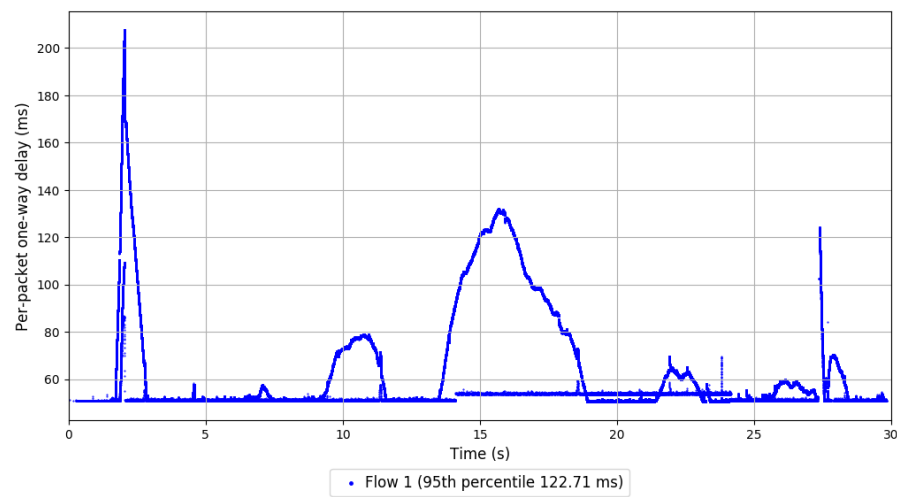
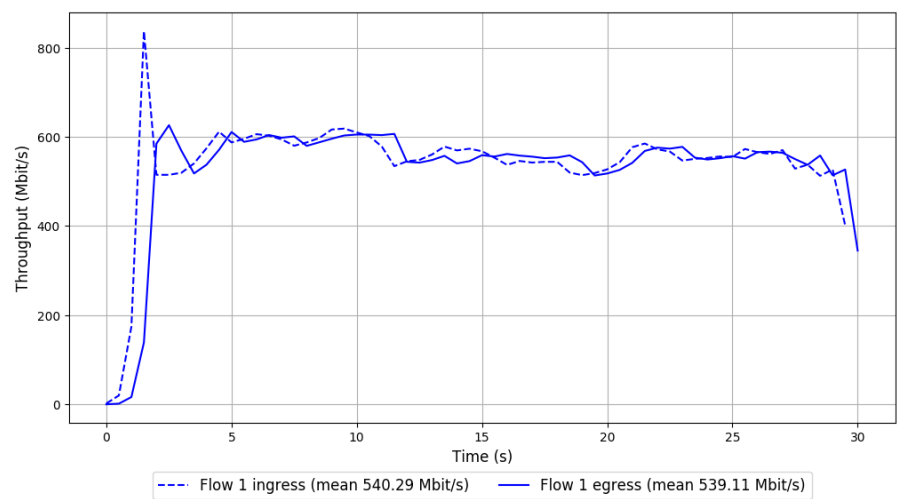
-- Flow 1:

Average throughput: 539.11 Mbit/s

95th percentile per-packet one-way delay: 122.708 ms

Loss rate: 0.57%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-26 11:20:16

End at: 2018-05-26 11:20:46

Local clock offset: -0.462 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-05-26 13:42:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.45 Mbit/s

95th percentile per-packet one-way delay: 174.350 ms

Loss rate: 0.99%

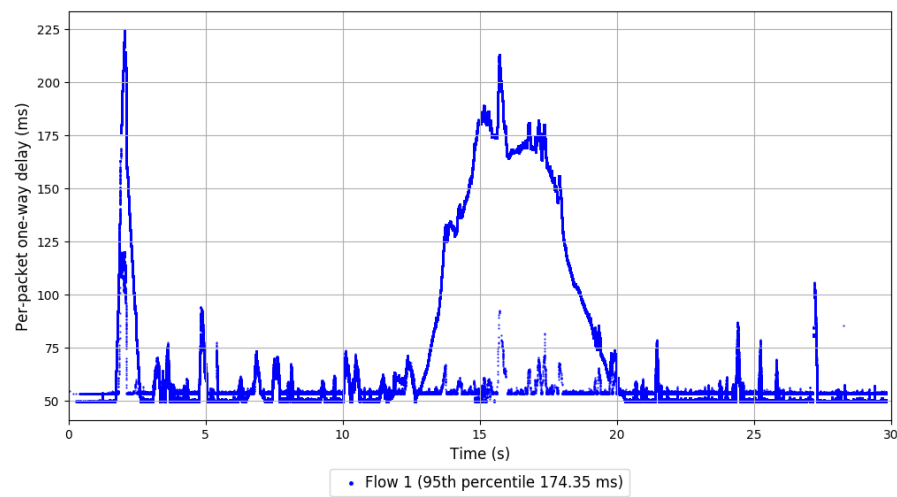
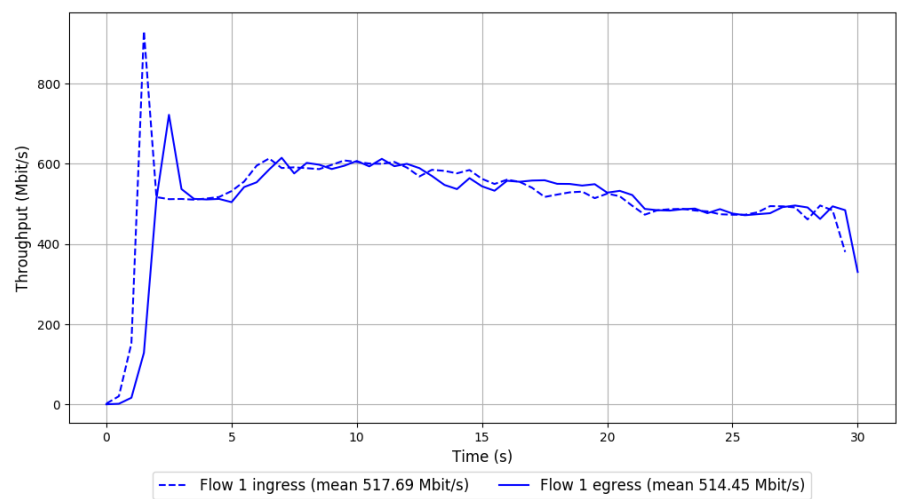
-- Flow 1:

Average throughput: 514.45 Mbit/s

95th percentile per-packet one-way delay: 174.350 ms

Loss rate: 0.99%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-26 11:40:36

End at: 2018-05-26 11:41:06

Local clock offset: 0.229 ms

Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-05-26 13:42:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.56 Mbit/s

95th percentile per-packet one-way delay: 175.115 ms

Loss rate: 2.57%

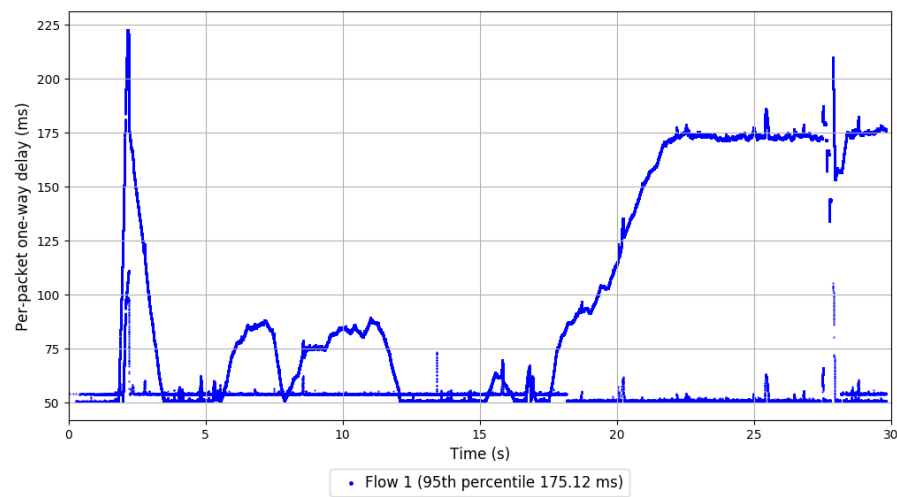
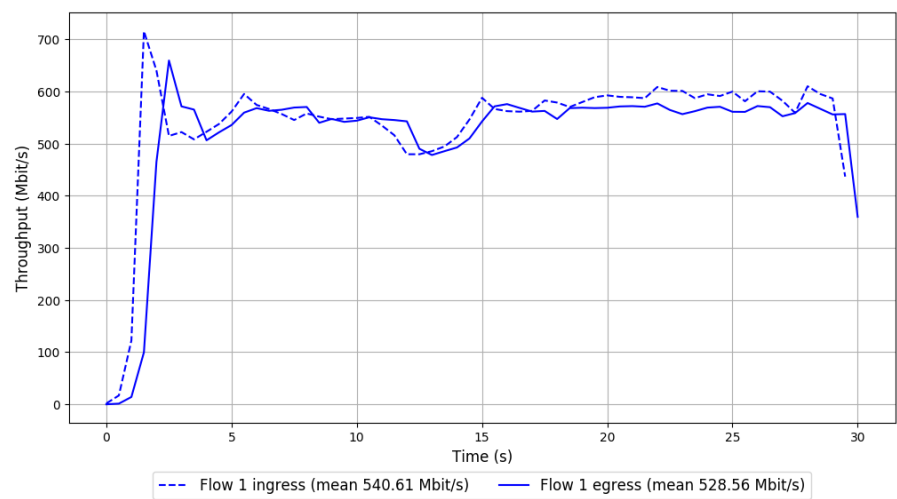
-- Flow 1:

Average throughput: 528.56 Mbit/s

95th percentile per-packet one-way delay: 175.115 ms

Loss rate: 2.57%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-26 12:01:43

End at: 2018-05-26 12:02:13

Local clock offset: 0.271 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-05-26 13:44:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.16 Mbit/s

95th percentile per-packet one-way delay: 177.532 ms

Loss rate: 2.51%

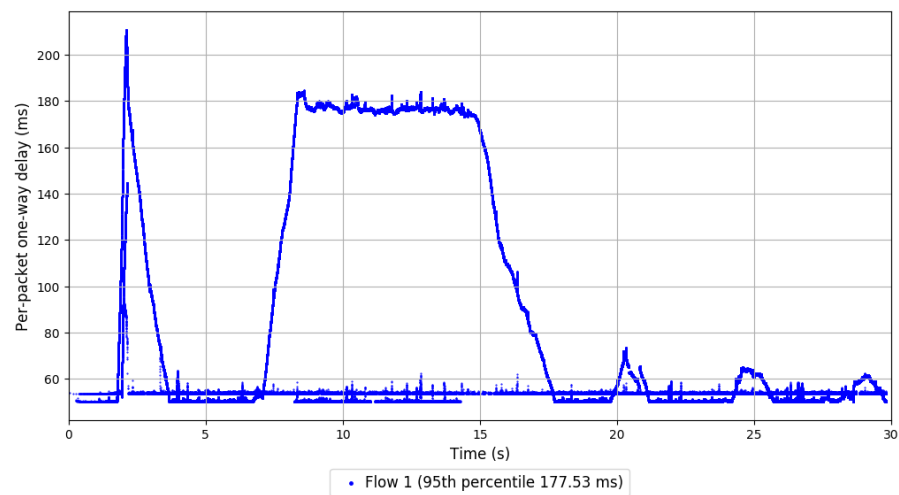
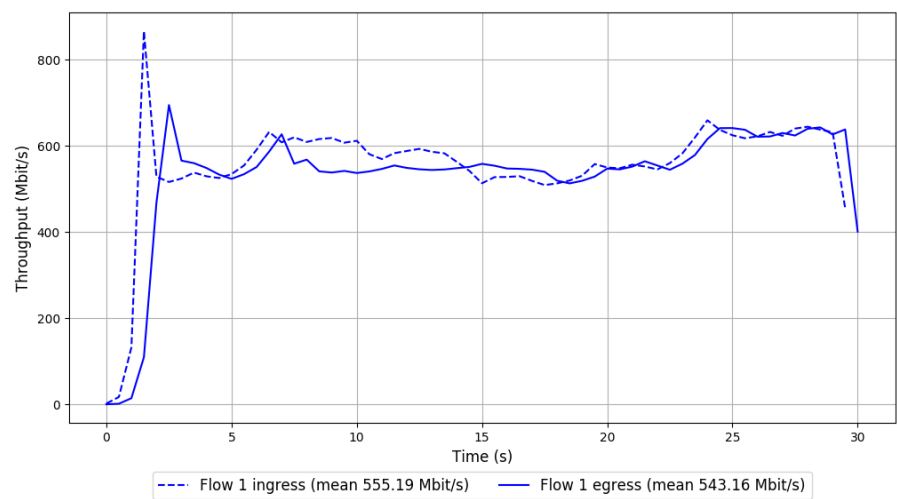
-- Flow 1:

Average throughput: 543.16 Mbit/s

95th percentile per-packet one-way delay: 177.532 ms

Loss rate: 2.51%

Run 9: Report of PCC-Allegro — Data Link

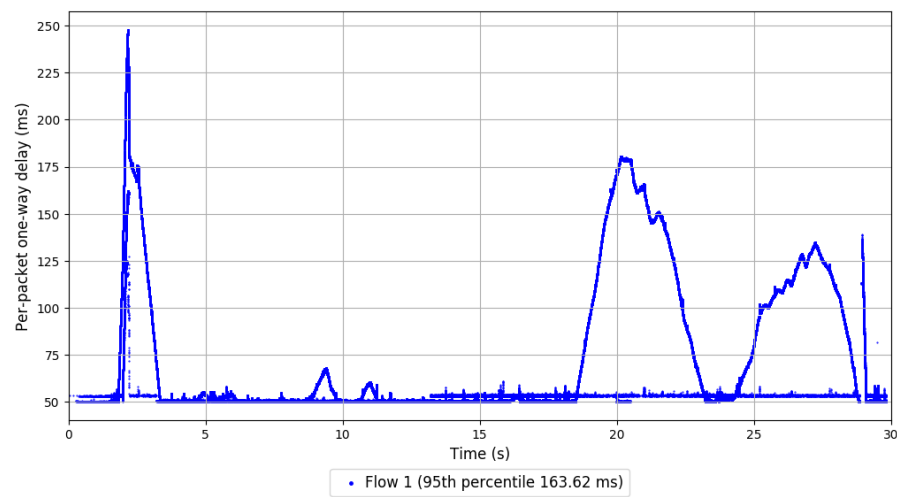
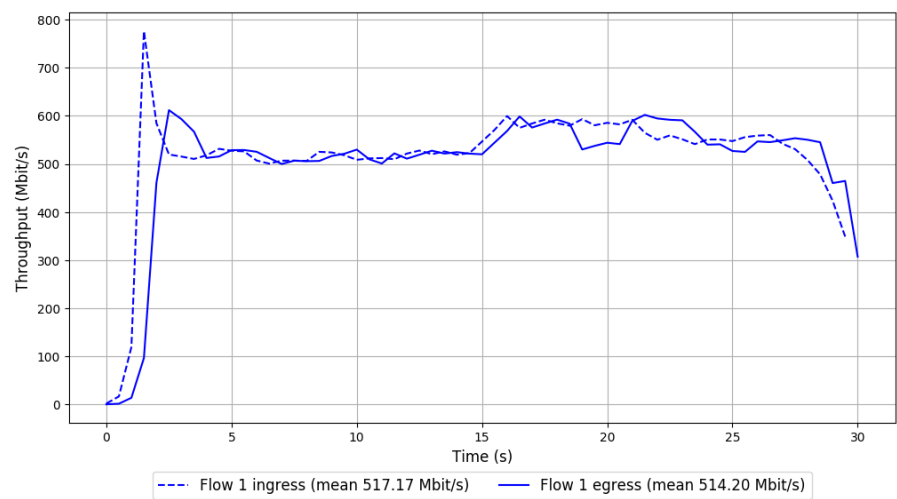


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-26 12:22:01
End at: 2018-05-26 12:22:31
Local clock offset: 0.012 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-26 13:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 514.20 Mbit/s
95th percentile per-packet one-way delay: 163.625 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 514.20 Mbit/s
95th percentile per-packet one-way delay: 163.625 ms
Loss rate: 0.93%

Run 10: Report of PCC-Allegro — Data Link

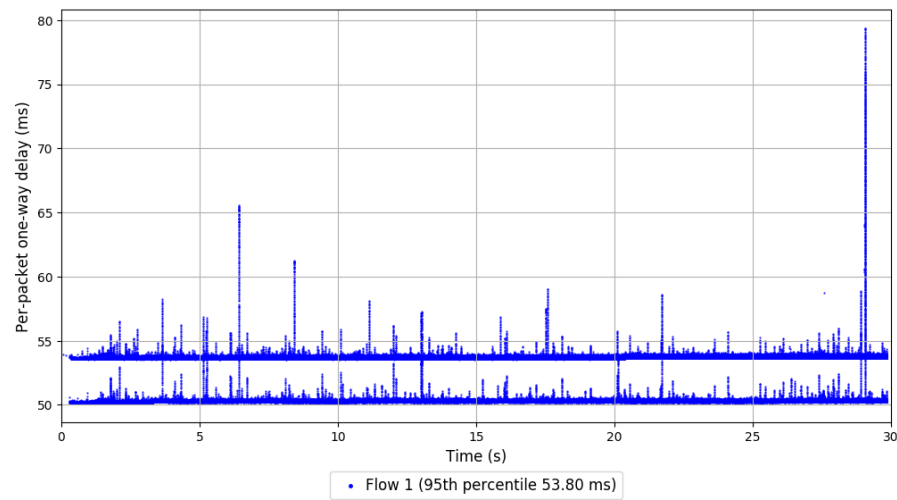
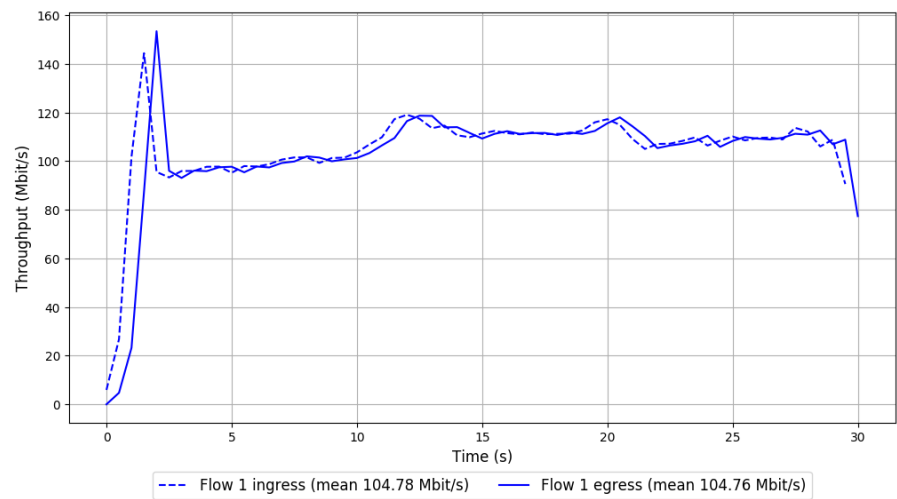


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-26 09:26:34
End at: 2018-05-26 09:27:04
Local clock offset: 0.172 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-05-26 13:44:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.76 Mbit/s
95th percentile per-packet one-way delay: 53.802 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 104.76 Mbit/s
95th percentile per-packet one-way delay: 53.802 ms
Loss rate: 0.38%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-26 09:46:57

End at: 2018-05-26 09:47:27

Local clock offset: -0.106 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-05-26 13:44:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.84 Mbit/s

95th percentile per-packet one-way delay: 87.353 ms

Loss rate: 0.81%

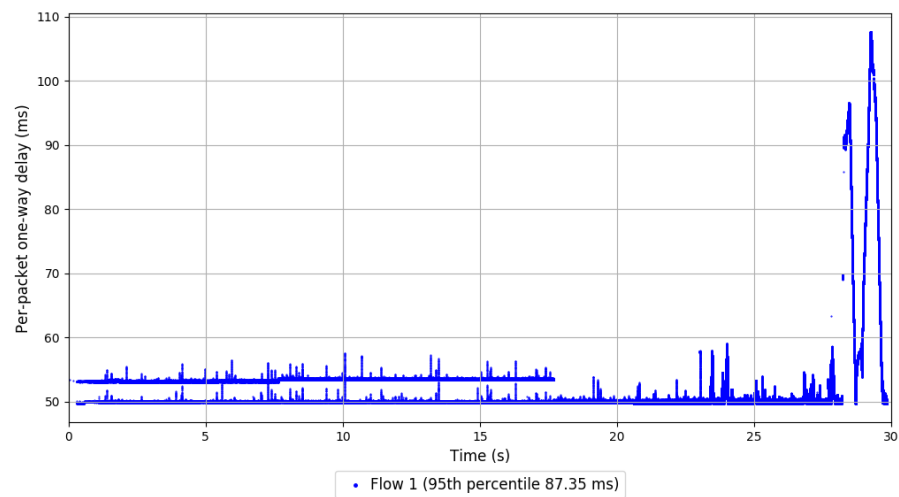
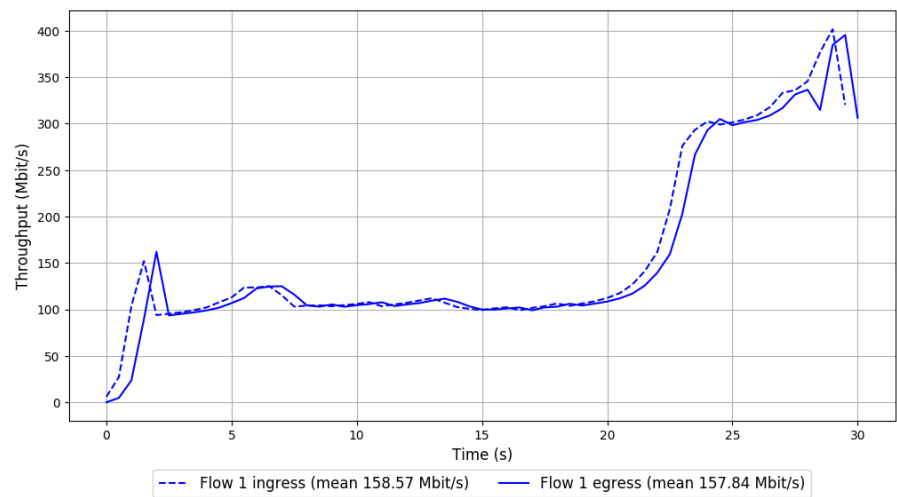
-- Flow 1:

Average throughput: 157.84 Mbit/s

95th percentile per-packet one-way delay: 87.353 ms

Loss rate: 0.81%

Run 2: Report of PCC-Expr — Data Link

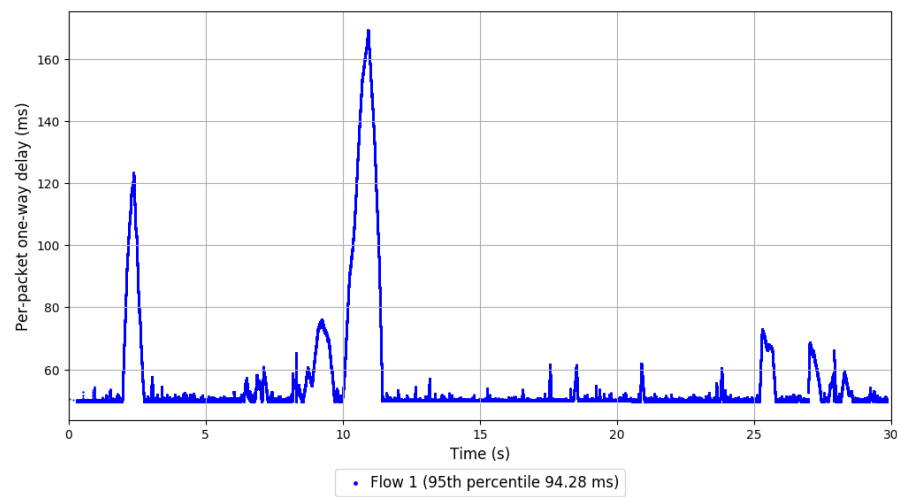
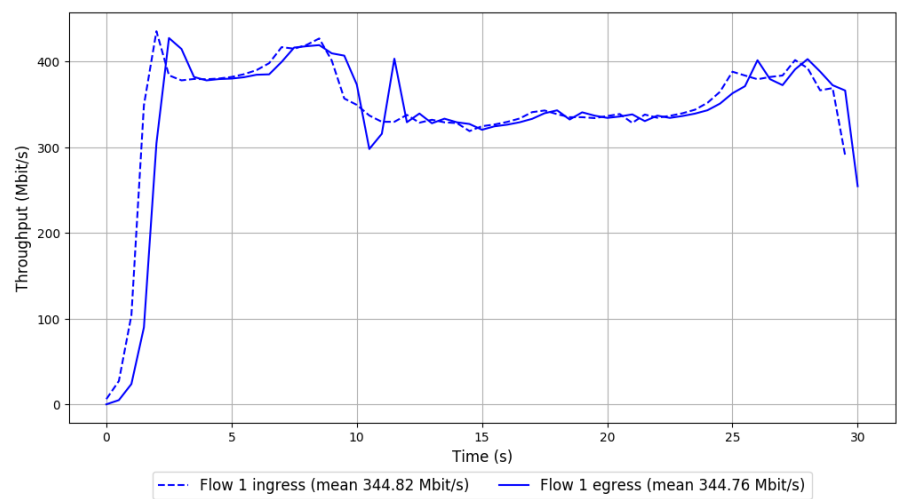


Run 3: Statistics of PCC-Expr

Start at: 2018-05-26 10:07:17
End at: 2018-05-26 10:07:47
Local clock offset: -0.195 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-26 13:47:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.76 Mbit/s
95th percentile per-packet one-way delay: 94.284 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 344.76 Mbit/s
95th percentile per-packet one-way delay: 94.284 ms
Loss rate: 0.36%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-26 10:28:06

End at: 2018-05-26 10:28:36

Local clock offset: 0.116 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-05-26 13:47:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.30 Mbit/s

95th percentile per-packet one-way delay: 108.655 ms

Loss rate: 0.67%

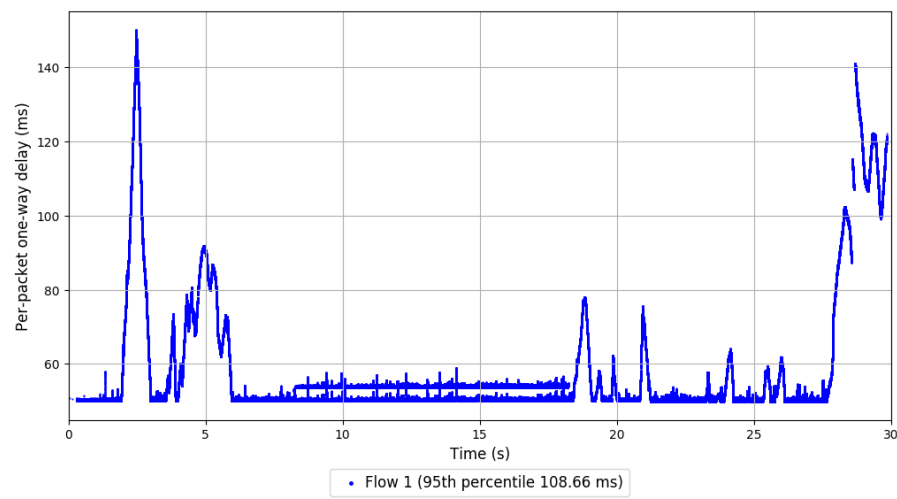
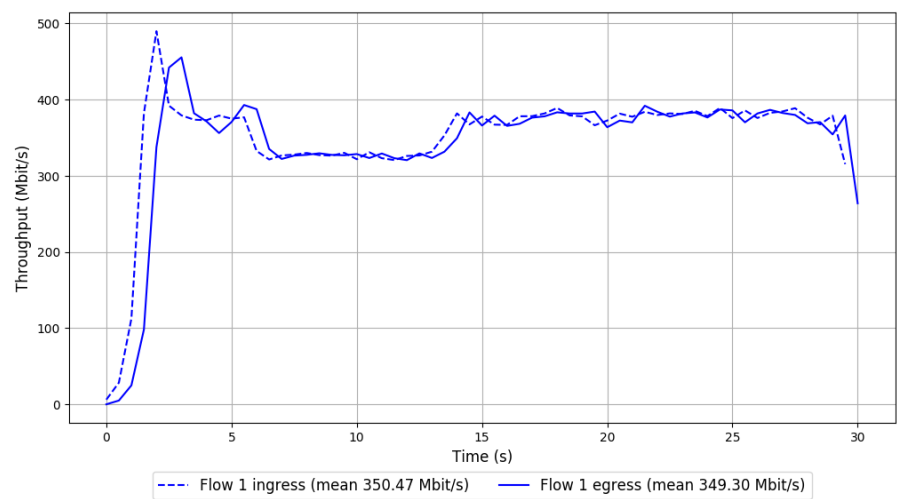
-- Flow 1:

Average throughput: 349.30 Mbit/s

95th percentile per-packet one-way delay: 108.655 ms

Loss rate: 0.67%

Run 4: Report of PCC-Expr — Data Link

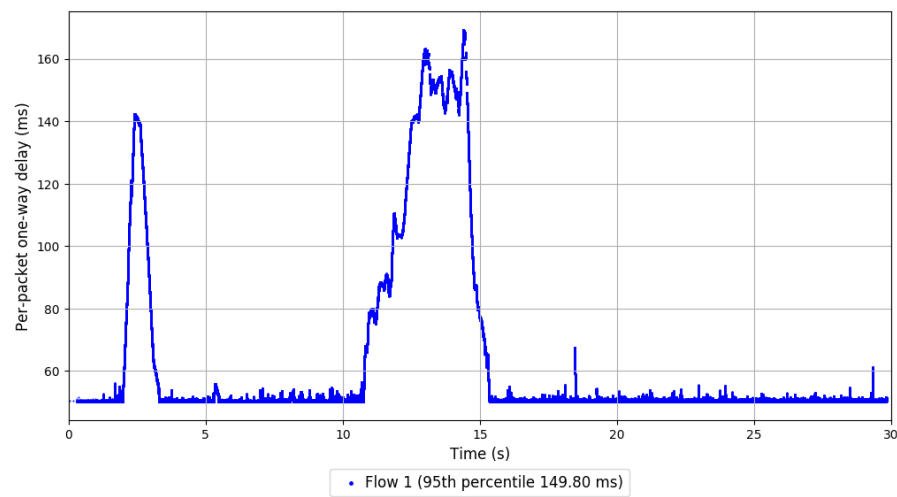
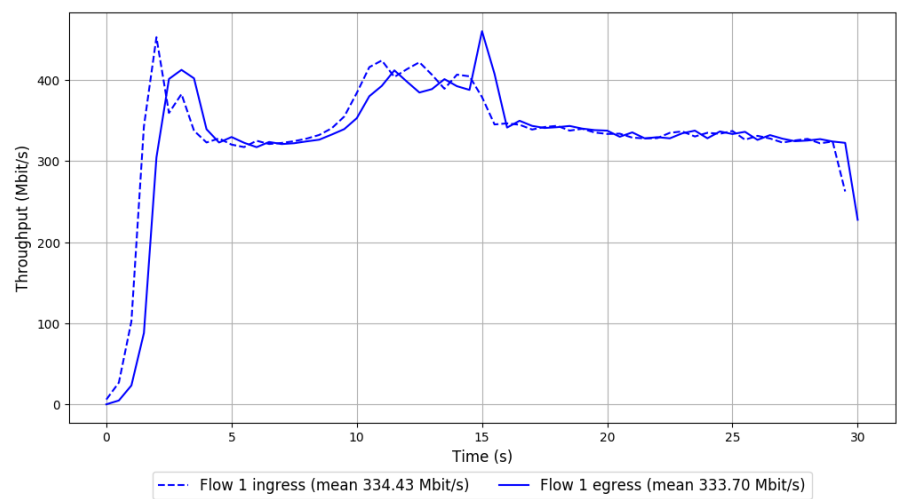


Run 5: Statistics of PCC-Expr

Start at: 2018-05-26 10:48:23
End at: 2018-05-26 10:48:53
Local clock offset: 0.139 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-05-26 13:49:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 333.70 Mbit/s
95th percentile per-packet one-way delay: 149.801 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 333.70 Mbit/s
95th percentile per-packet one-way delay: 149.801 ms
Loss rate: 0.57%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-05-26 11:08:50

End at: 2018-05-26 11:09:20

Local clock offset: 0.271 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-05-26 13:52:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.52 Mbit/s

95th percentile per-packet one-way delay: 167.265 ms

Loss rate: 6.58%

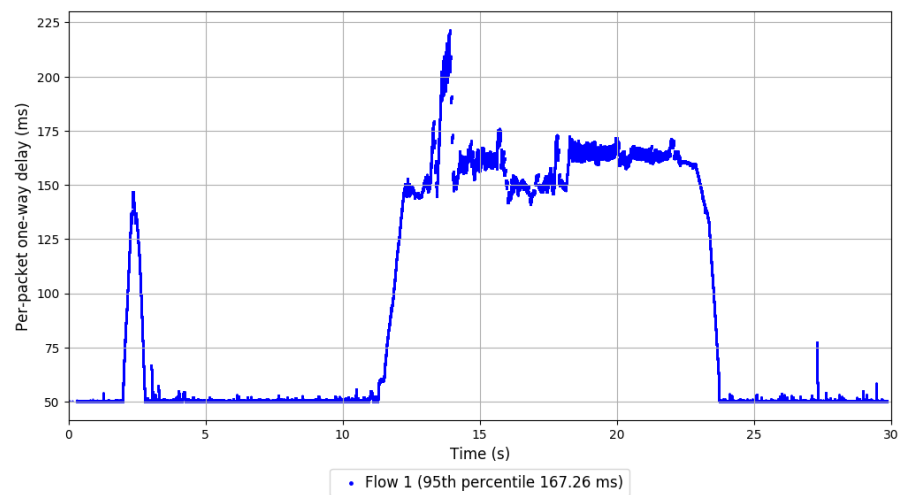
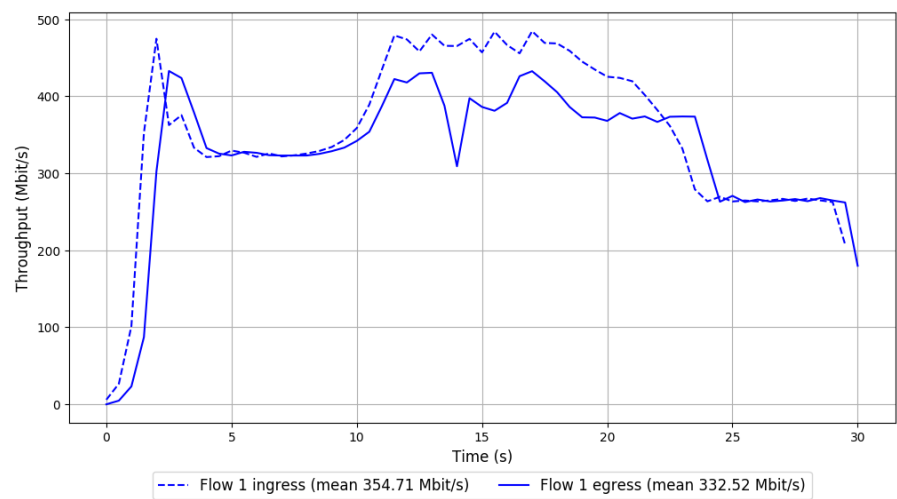
-- Flow 1:

Average throughput: 332.52 Mbit/s

95th percentile per-packet one-way delay: 167.265 ms

Loss rate: 6.58%

Run 6: Report of PCC-Expr — Data Link

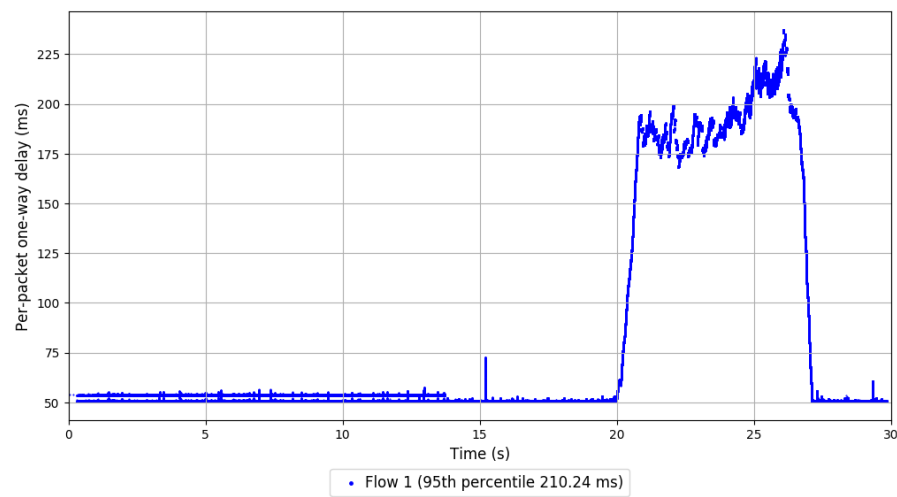
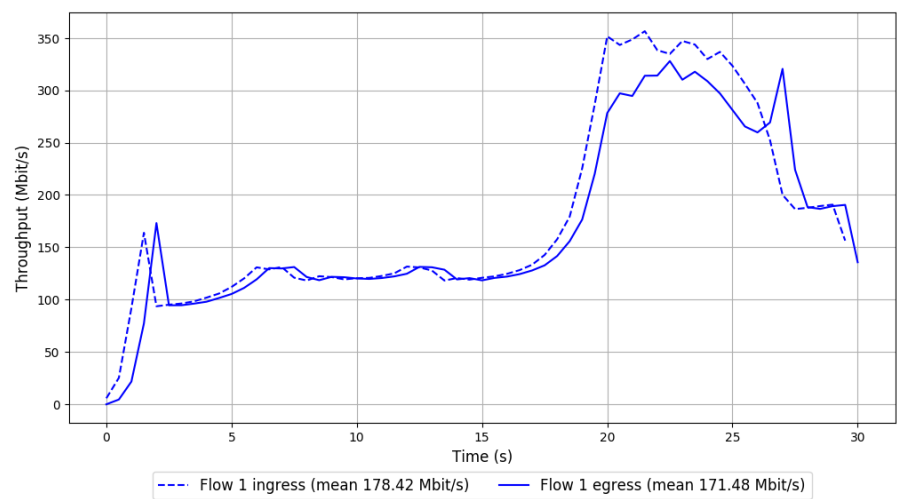


Run 7: Statistics of PCC-Expr

Start at: 2018-05-26 11:29:21
End at: 2018-05-26 11:29:51
Local clock offset: 0.163 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-05-26 13:52:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.48 Mbit/s
95th percentile per-packet one-way delay: 210.244 ms
Loss rate: 4.23%
-- Flow 1:
Average throughput: 171.48 Mbit/s
95th percentile per-packet one-way delay: 210.244 ms
Loss rate: 4.23%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-26 11:49:58

End at: 2018-05-26 11:50:28

Local clock offset: -0.016 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.91 Mbit/s

95th percentile per-packet one-way delay: 173.724 ms

Loss rate: 2.70%

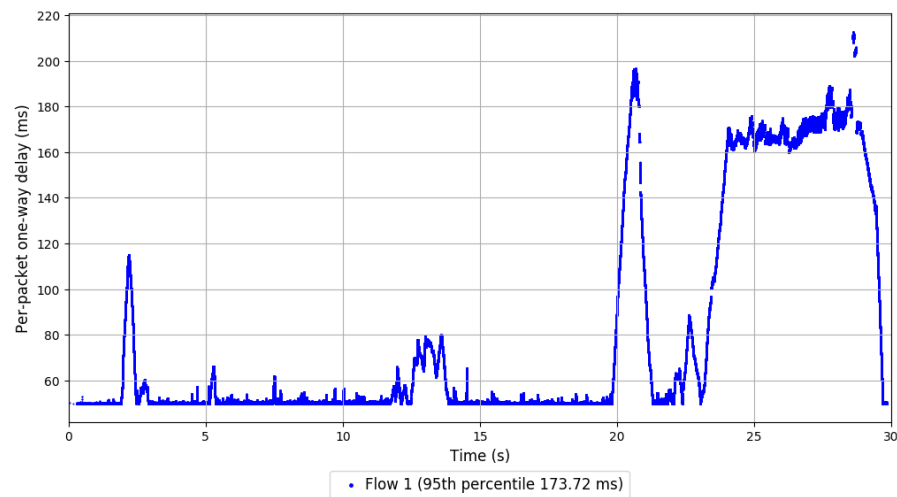
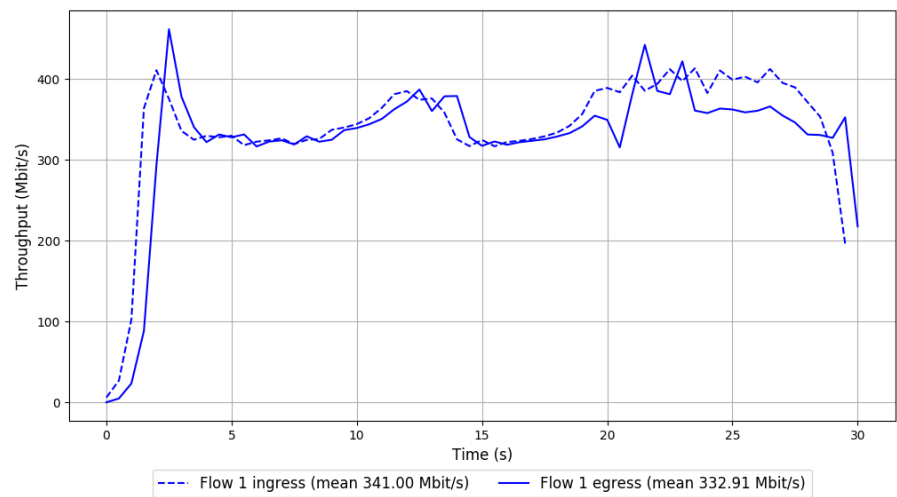
-- Flow 1:

Average throughput: 332.91 Mbit/s

95th percentile per-packet one-way delay: 173.724 ms

Loss rate: 2.70%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-26 12:10:46

End at: 2018-05-26 12:11:17

Local clock offset: -0.114 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.95 Mbit/s

95th percentile per-packet one-way delay: 53.659 ms

Loss rate: 0.36%

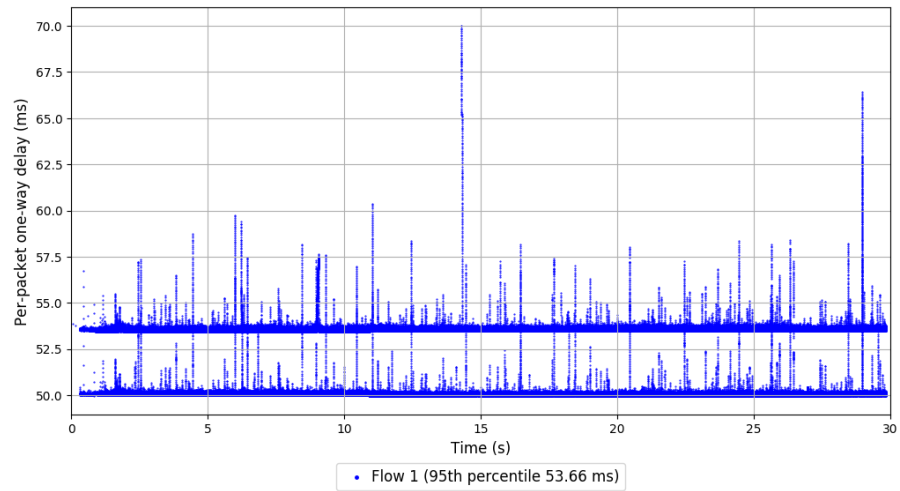
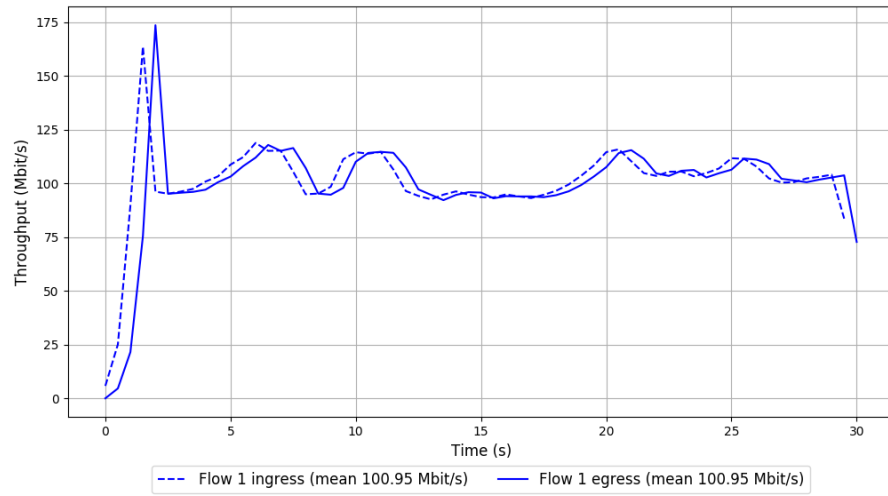
-- Flow 1:

Average throughput: 100.95 Mbit/s

95th percentile per-packet one-way delay: 53.659 ms

Loss rate: 0.36%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-26 12:31:13

End at: 2018-05-26 12:31:43

Local clock offset: 0.091 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 288.58 Mbit/s

95th percentile per-packet one-way delay: 148.243 ms

Loss rate: 3.72%

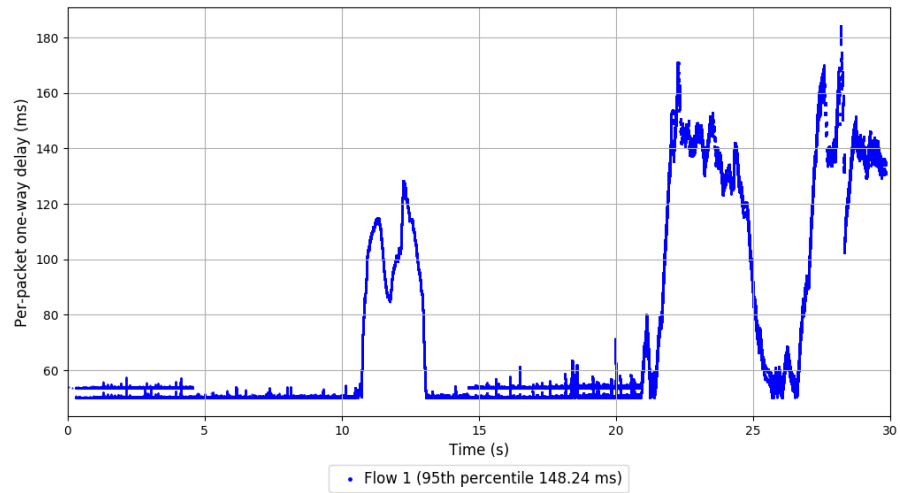
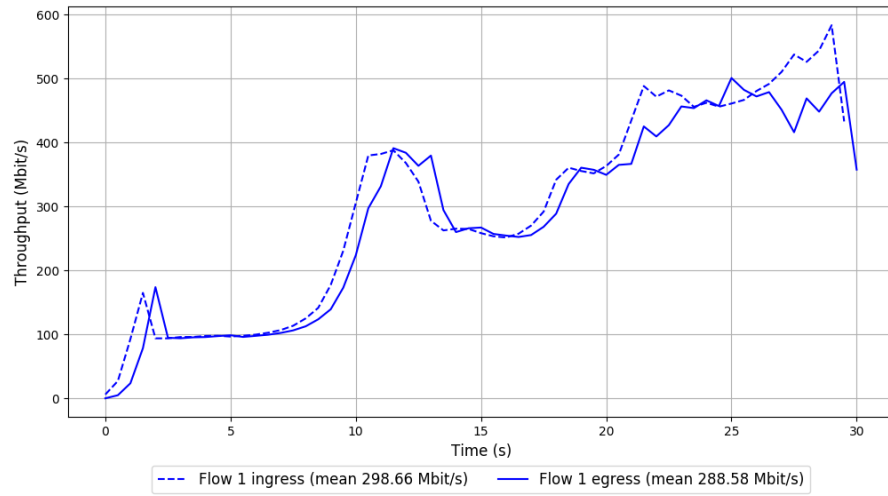
-- Flow 1:

Average throughput: 288.58 Mbit/s

95th percentile per-packet one-way delay: 148.243 ms

Loss rate: 3.72%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-26 09:24:15

End at: 2018-05-26 09:24:45

Local clock offset: -0.17 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.67 Mbit/s

95th percentile per-packet one-way delay: 53.695 ms

Loss rate: 0.59%

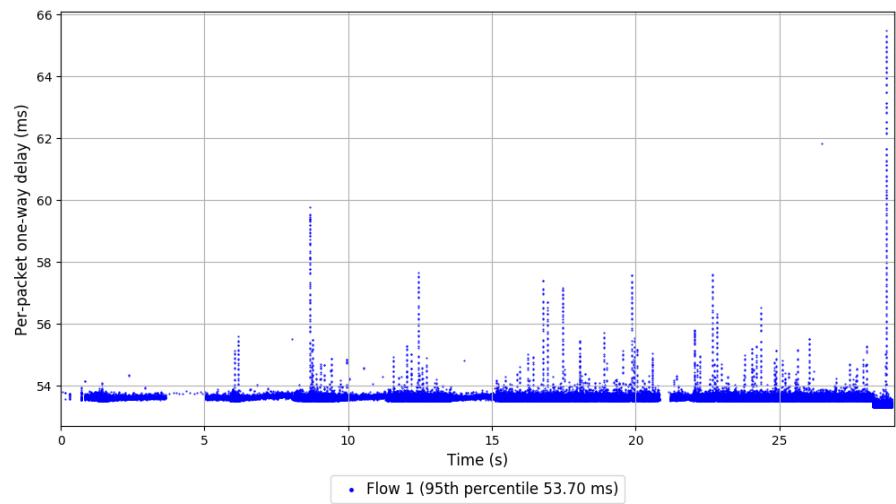
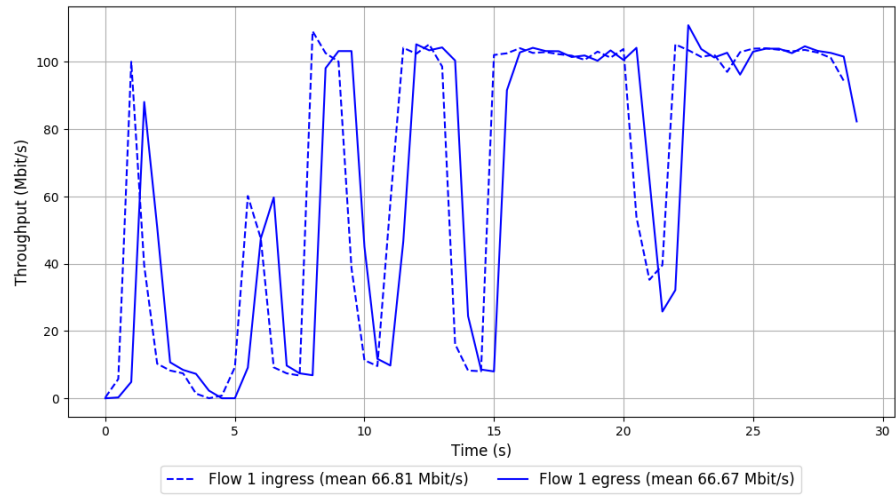
-- Flow 1:

Average throughput: 66.67 Mbit/s

95th percentile per-packet one-way delay: 53.695 ms

Loss rate: 0.59%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-26 09:44:32

End at: 2018-05-26 09:45:02

Local clock offset: 0.275 ms

Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 54.393 ms

Loss rate: 0.55%

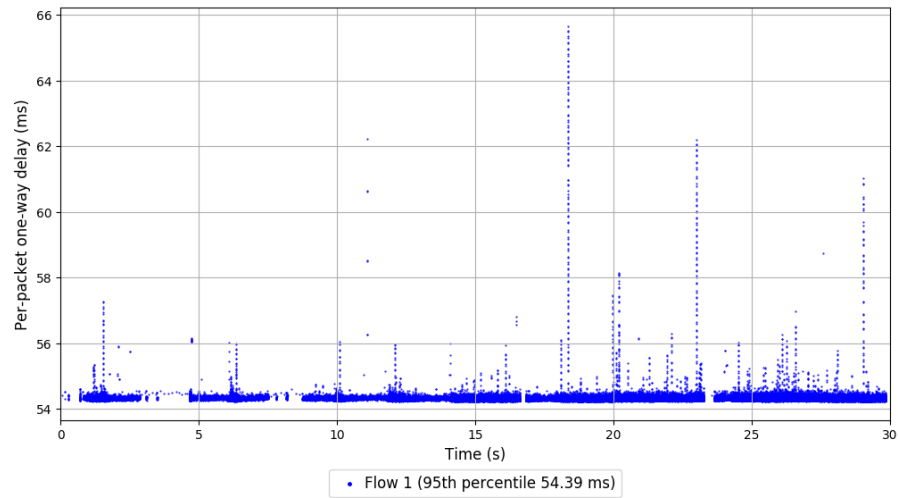
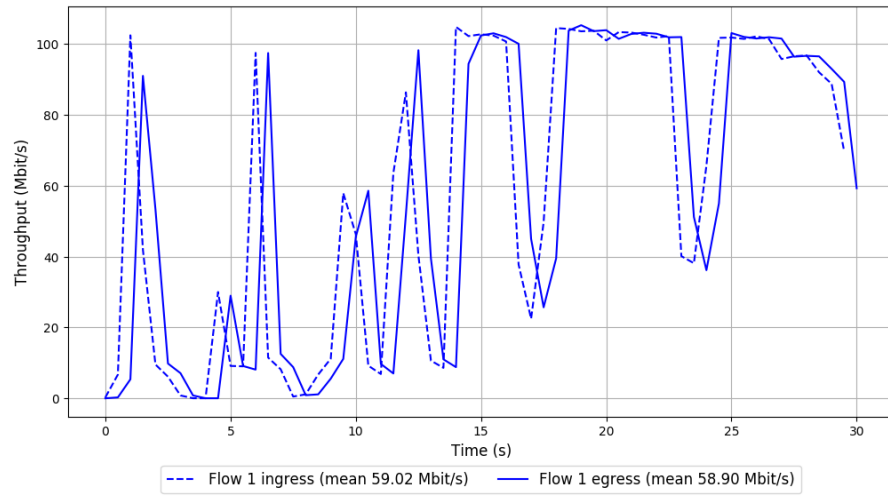
-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 54.393 ms

Loss rate: 0.55%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-26 10:05:00

End at: 2018-05-26 10:05:30

Local clock offset: 0.406 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.34 Mbit/s

95th percentile per-packet one-way delay: 54.003 ms

Loss rate: 0.50%

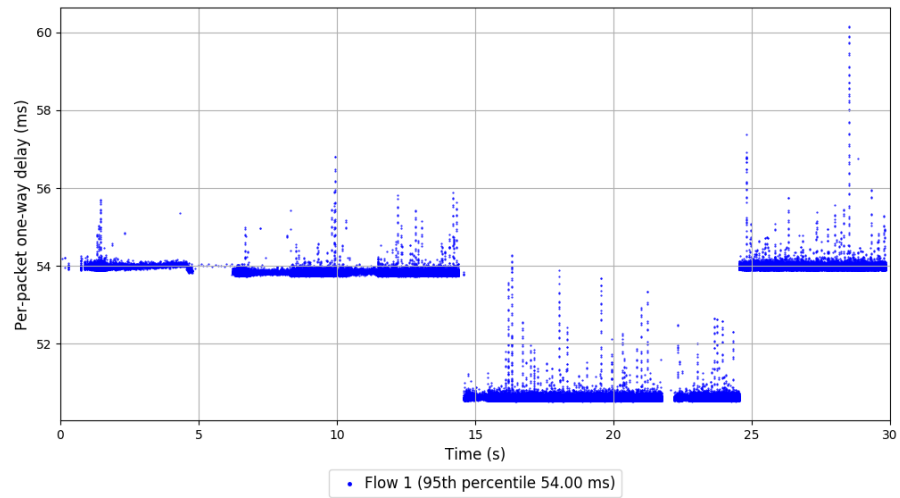
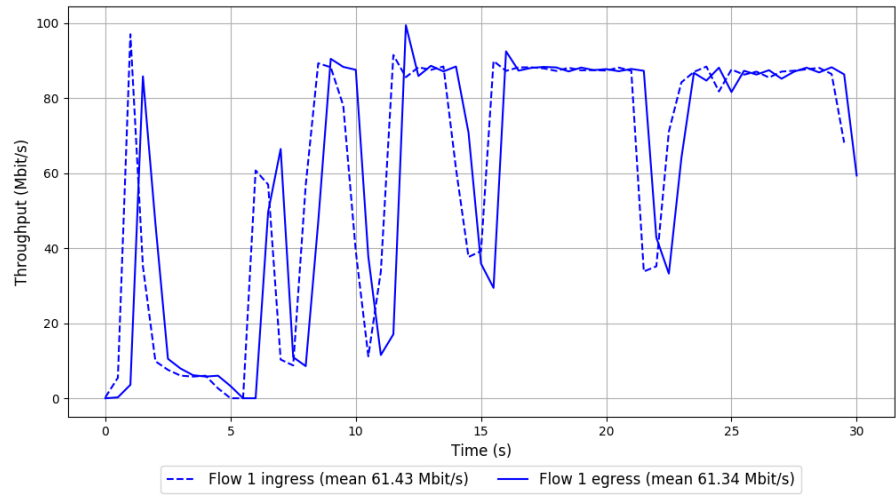
-- Flow 1:

Average throughput: 61.34 Mbit/s

95th percentile per-packet one-way delay: 54.003 ms

Loss rate: 0.50%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-26 10:25:41

End at: 2018-05-26 10:26:11

Local clock offset: -0.006 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 53.627 ms

Loss rate: 0.57%

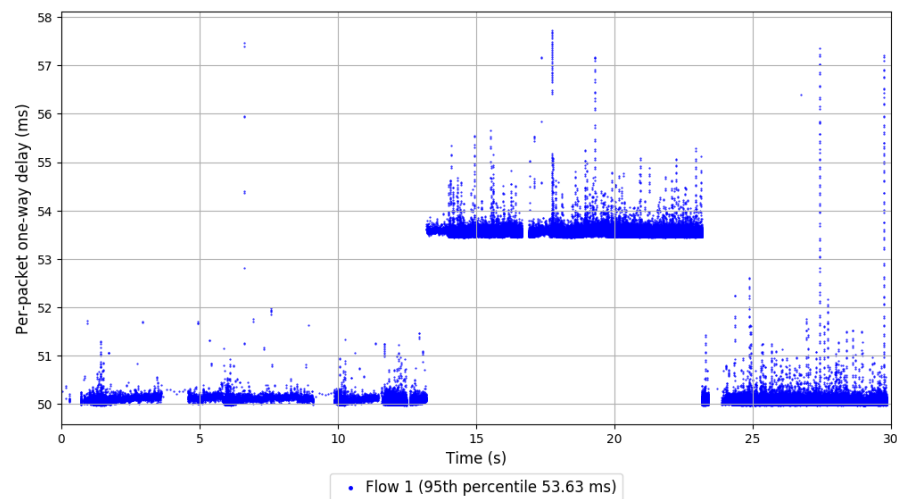
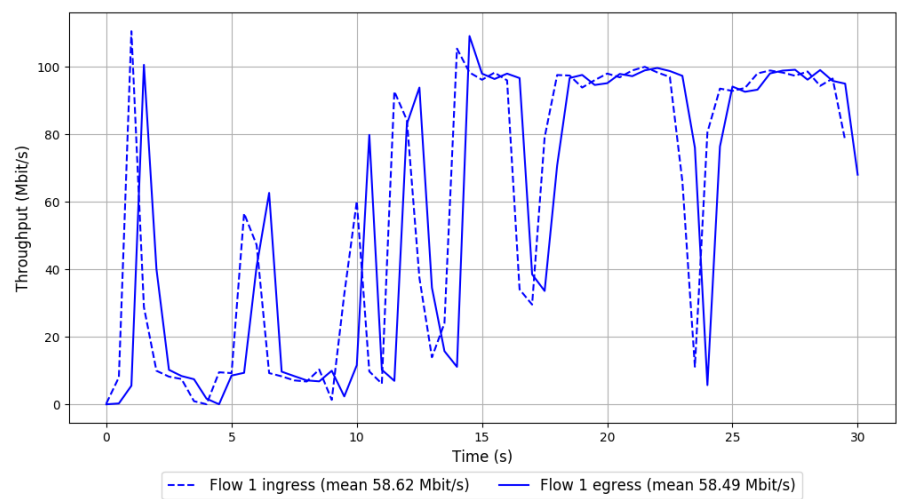
-- Flow 1:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 53.627 ms

Loss rate: 0.57%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-26 10:46:07

End at: 2018-05-26 10:46:37

Local clock offset: 0.189 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 53.455 ms

Loss rate: 0.57%

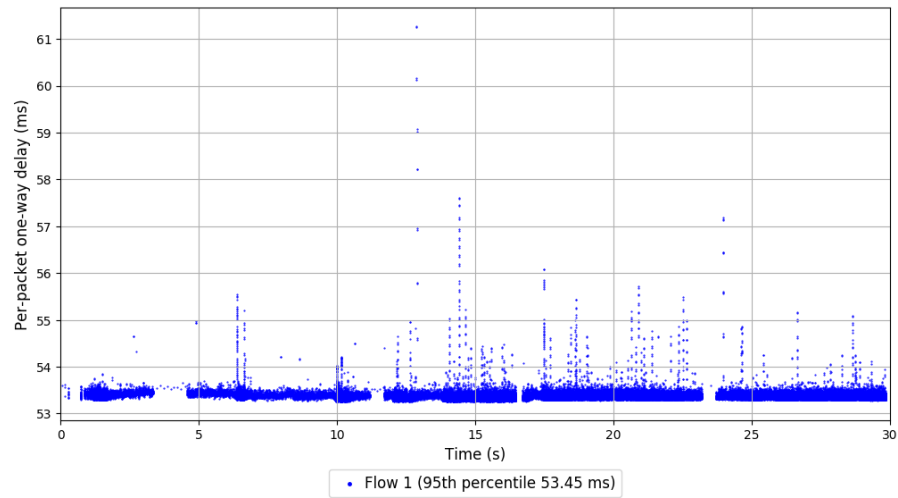
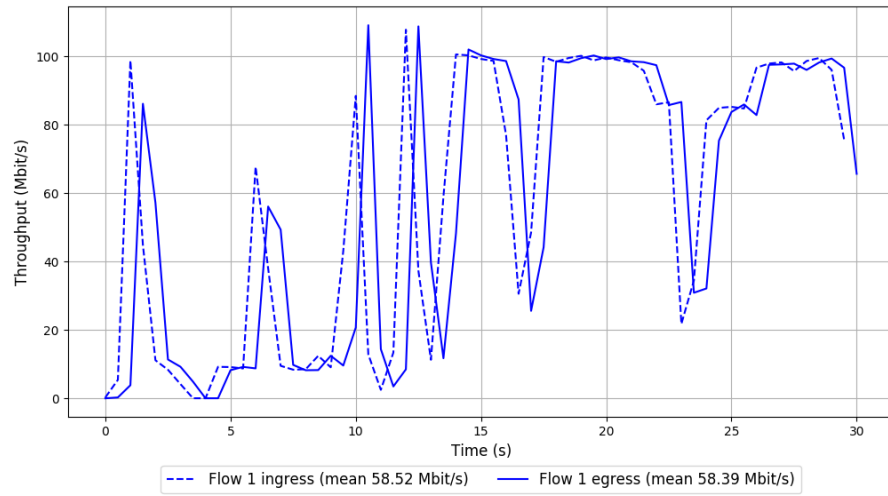
-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 53.455 ms

Loss rate: 0.57%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-26 11:06:27

End at: 2018-05-26 11:06:57

Local clock offset: 0.171 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.26 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.51%

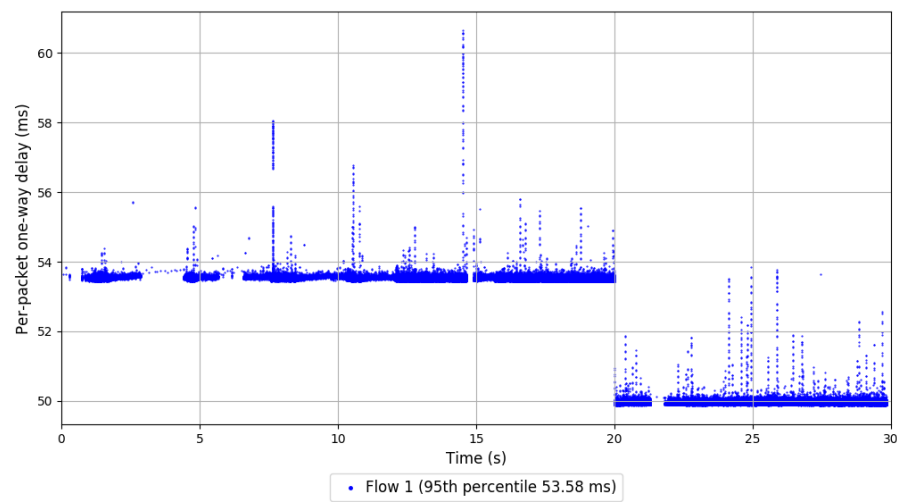
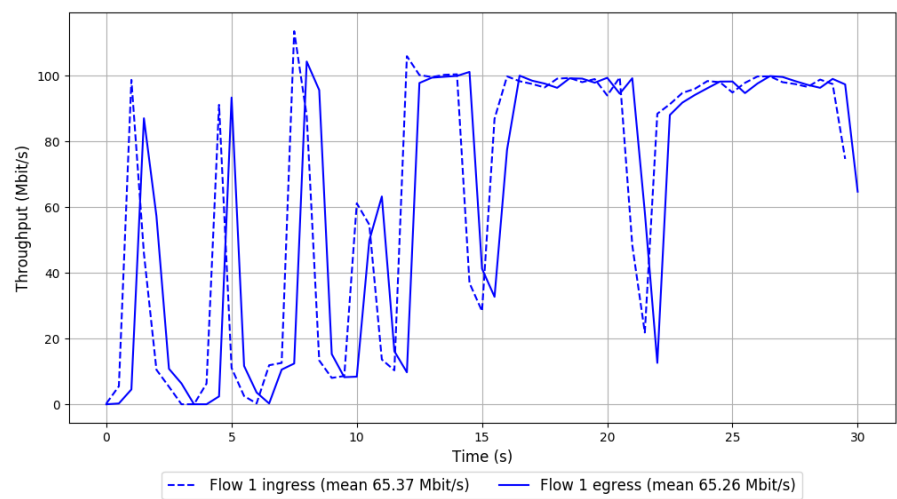
-- Flow 1:

Average throughput: 65.26 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.51%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-26 11:26:56

End at: 2018-05-26 11:27:26

Local clock offset: 0.151 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.00 Mbit/s

95th percentile per-packet one-way delay: 54.054 ms

Loss rate: 0.53%

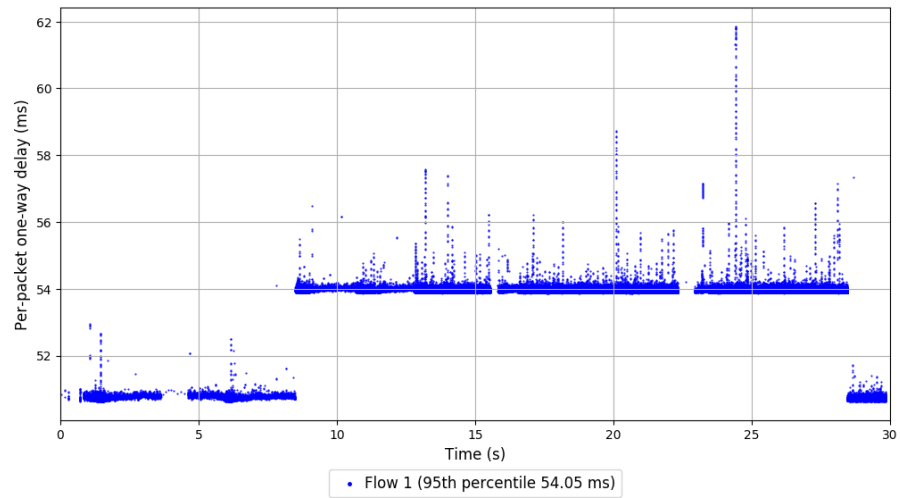
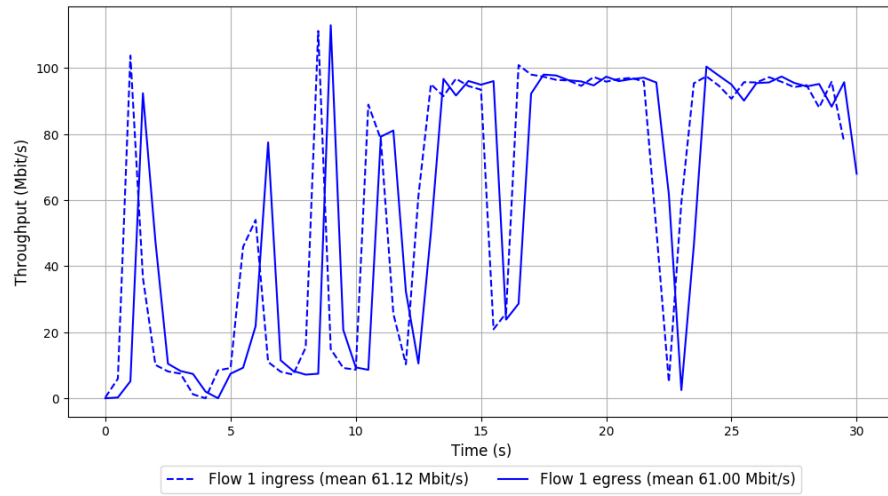
-- Flow 1:

Average throughput: 61.00 Mbit/s

95th percentile per-packet one-way delay: 54.054 ms

Loss rate: 0.53%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-26 11:47:40

End at: 2018-05-26 11:48:10

Local clock offset: 0.252 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 53.946 ms

Loss rate: 0.56%

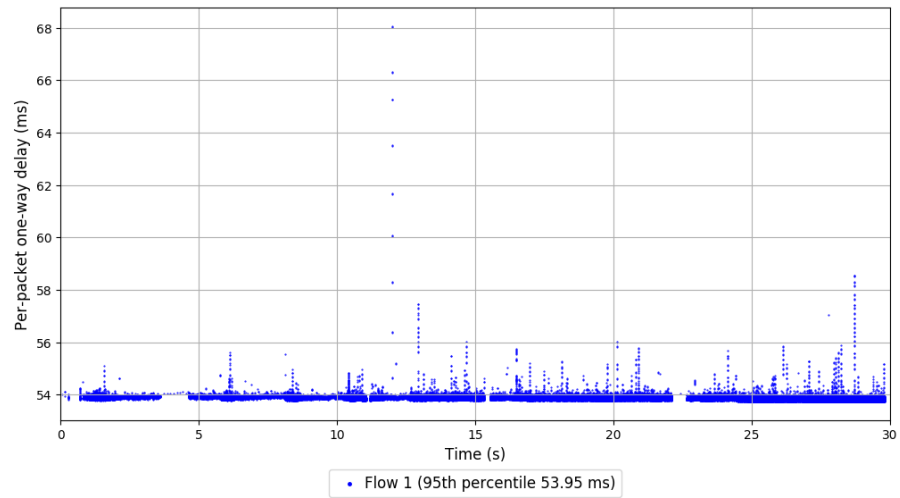
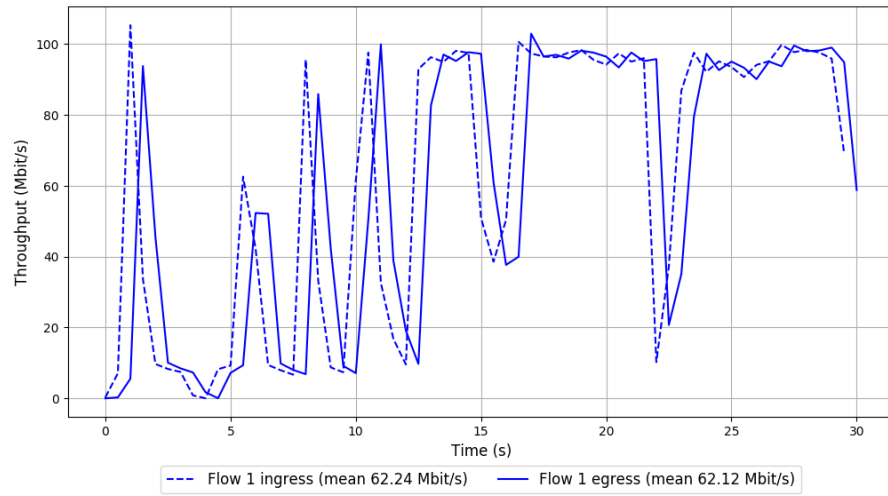
-- Flow 1:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 53.946 ms

Loss rate: 0.56%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-26 12:08:29

End at: 2018-05-26 12:08:59

Local clock offset: 0.329 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.48 Mbit/s

95th percentile per-packet one-way delay: 53.676 ms

Loss rate: 0.60%

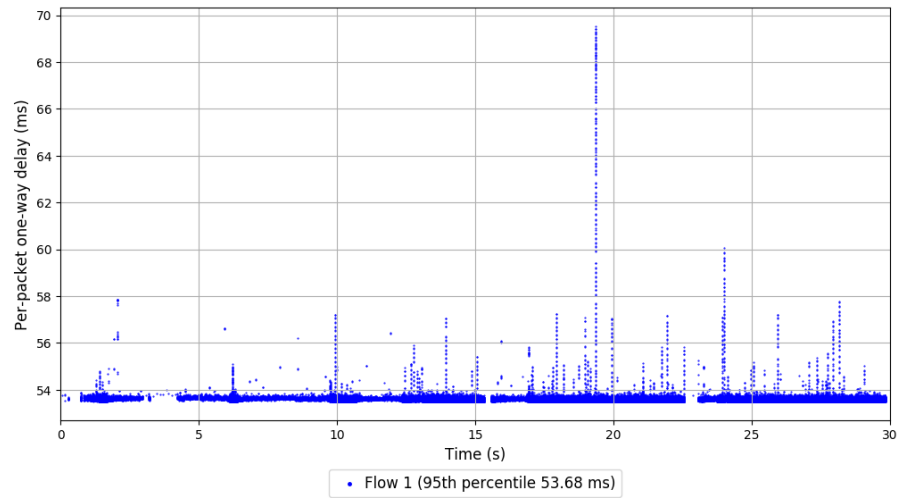
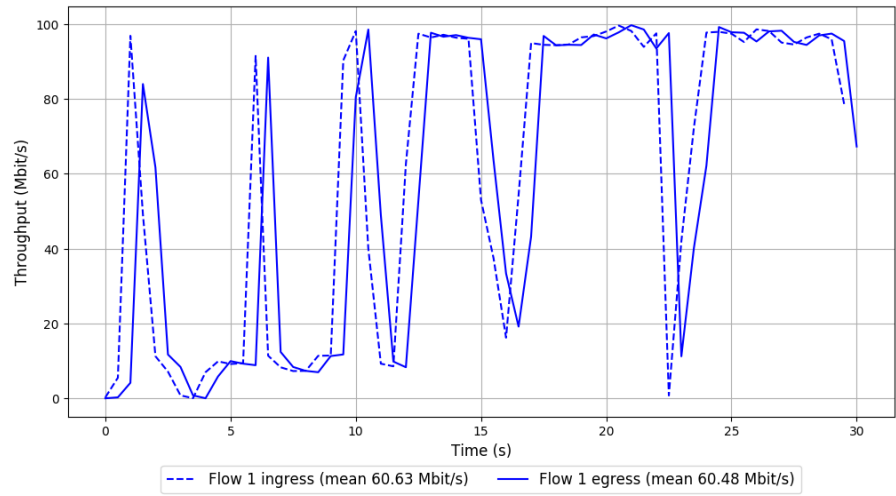
-- Flow 1:

Average throughput: 60.48 Mbit/s

95th percentile per-packet one-way delay: 53.676 ms

Loss rate: 0.60%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-26 12:28:48

End at: 2018-05-26 12:29:18

Local clock offset: -0.093 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.09 Mbit/s

95th percentile per-packet one-way delay: 52.877 ms

Loss rate: 0.58%

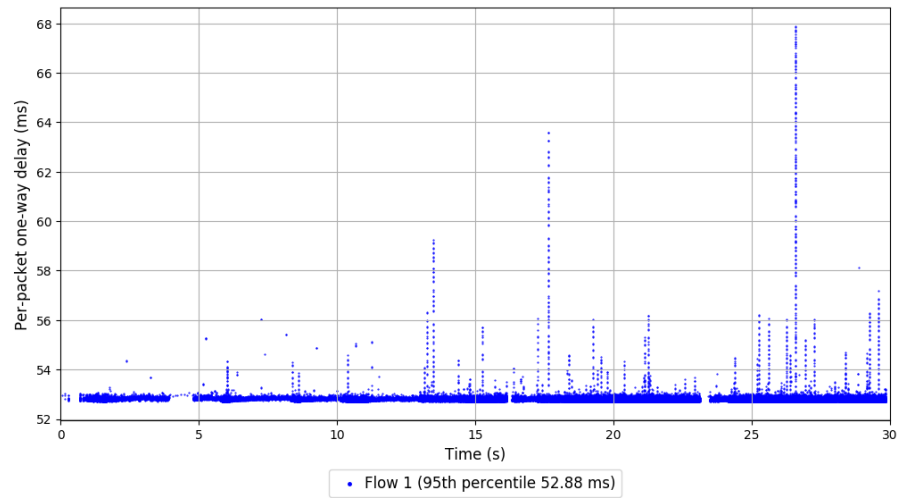
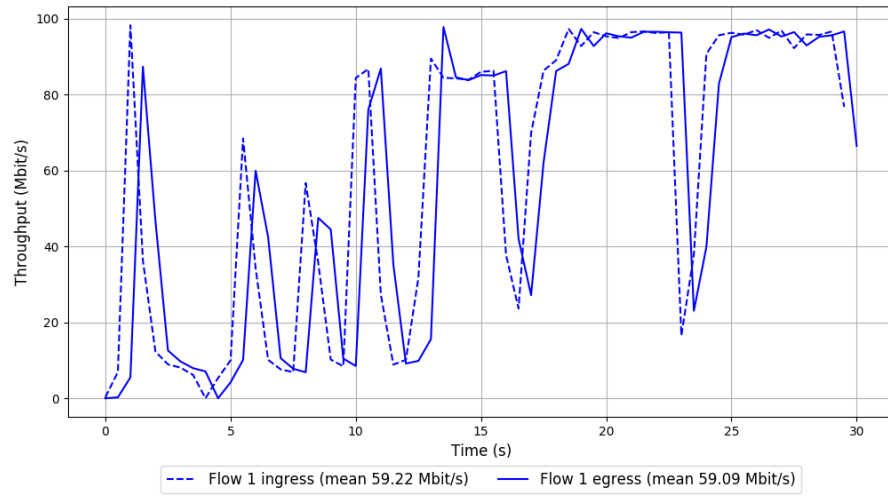
-- Flow 1:

Average throughput: 59.09 Mbit/s

95th percentile per-packet one-way delay: 52.877 ms

Loss rate: 0.58%

Run 10: Report of QUIC Cubic — Data Link

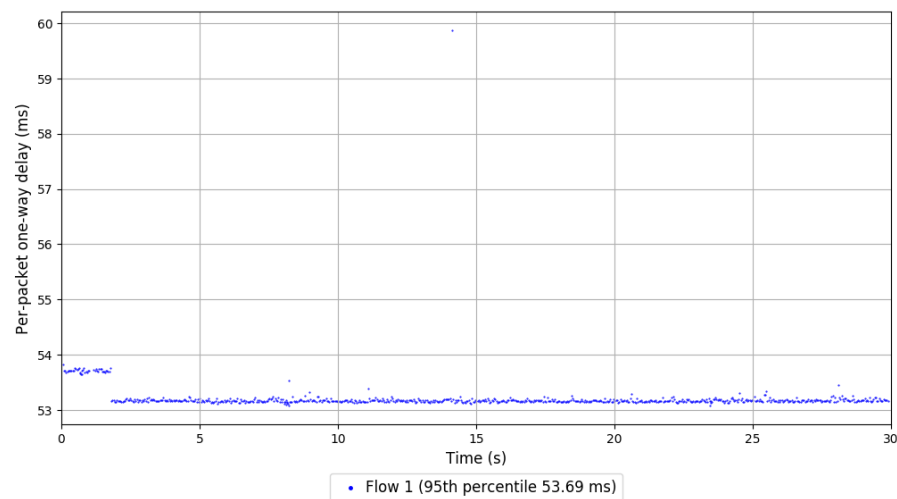
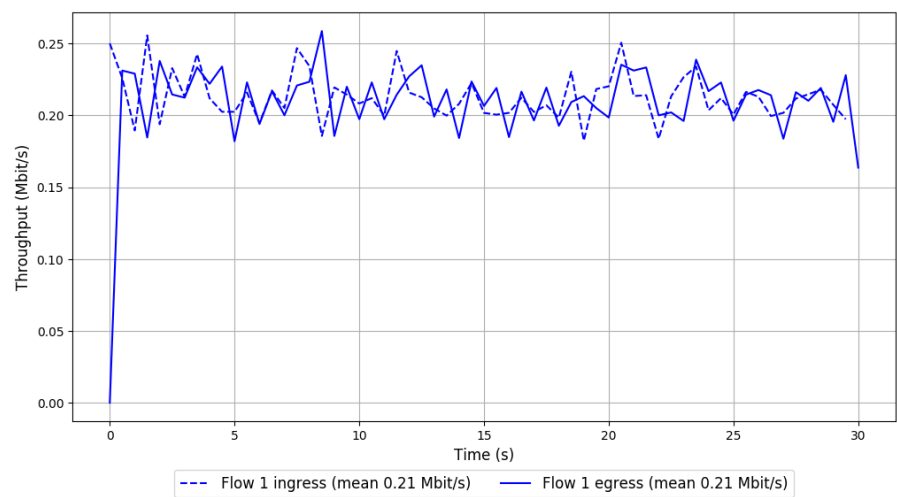


```
Run 1: Statistics of SCReAM

Start at: 2018-05-26 09:07:33
End at: 2018-05-26 09:08:03
Local clock offset: 0.016 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-05-26 13:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.689 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.689 ms
Loss rate: 0.39%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-26 09:27:48

End at: 2018-05-26 09:28:18

Local clock offset: 0.046 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-05-26 13:55:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.687 ms

Loss rate: 0.38%

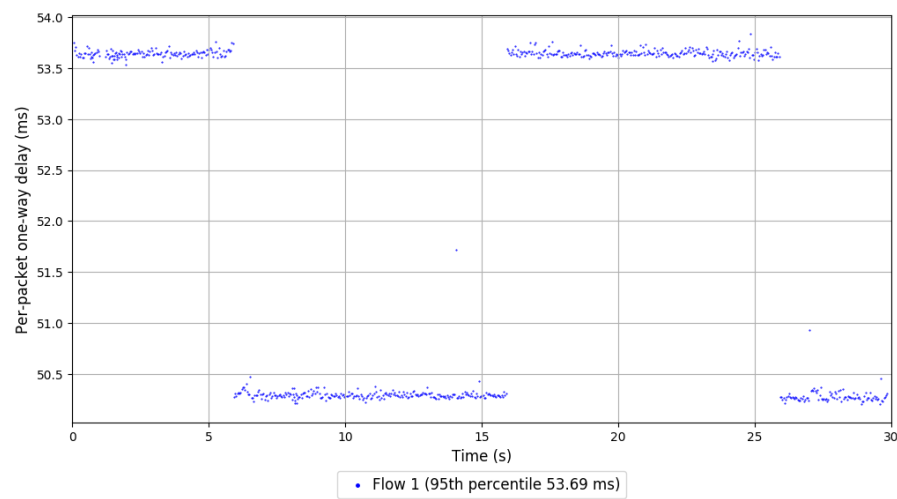
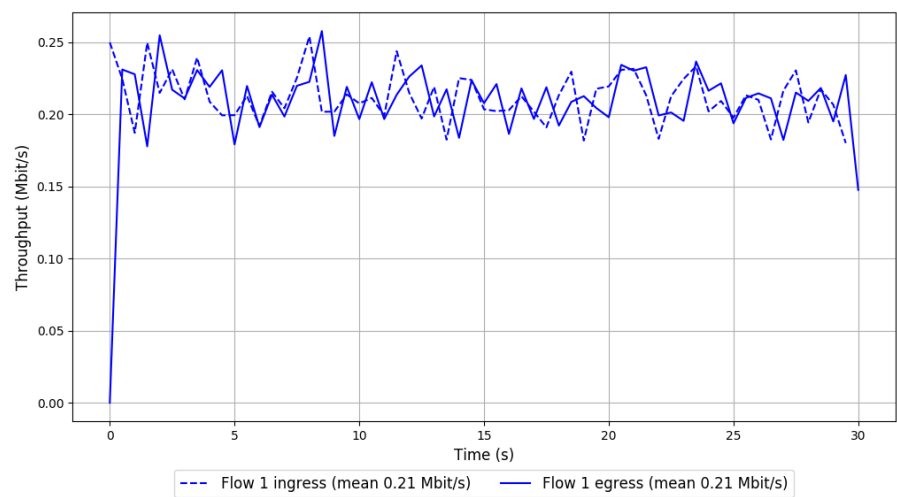
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.687 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-26 09:48:16

End at: 2018-05-26 09:48:46

Local clock offset: 0.279 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.245 ms

Loss rate: 0.26%

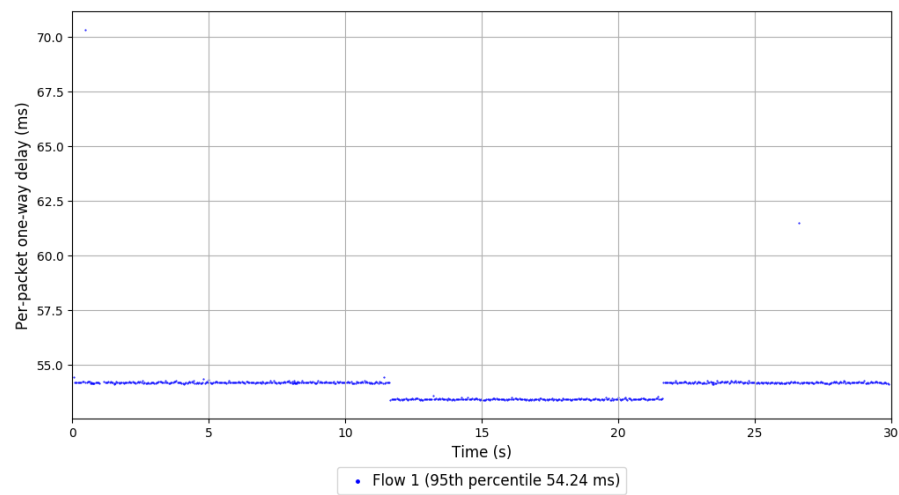
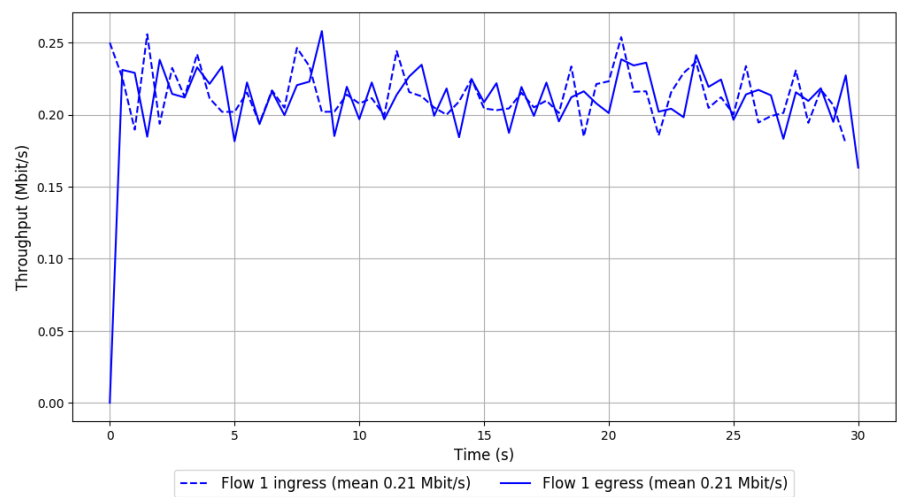
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.245 ms

Loss rate: 0.26%

Run 3: Report of SReAM — Data Link

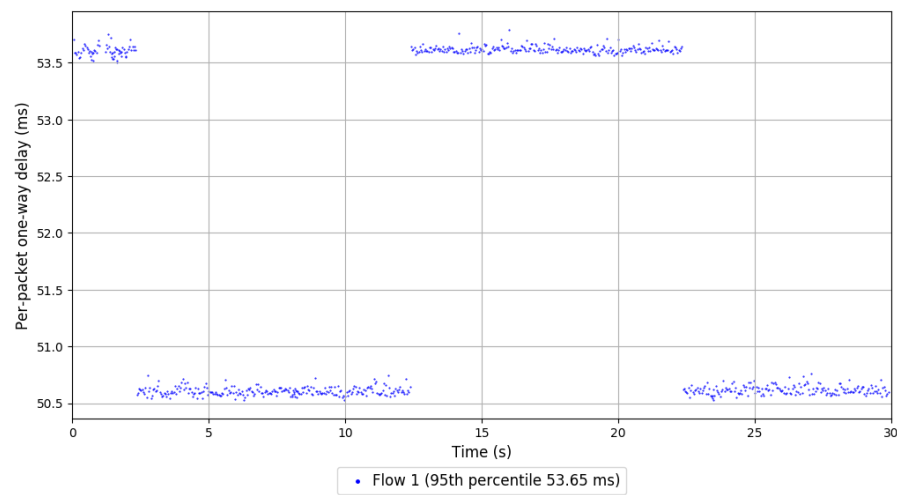
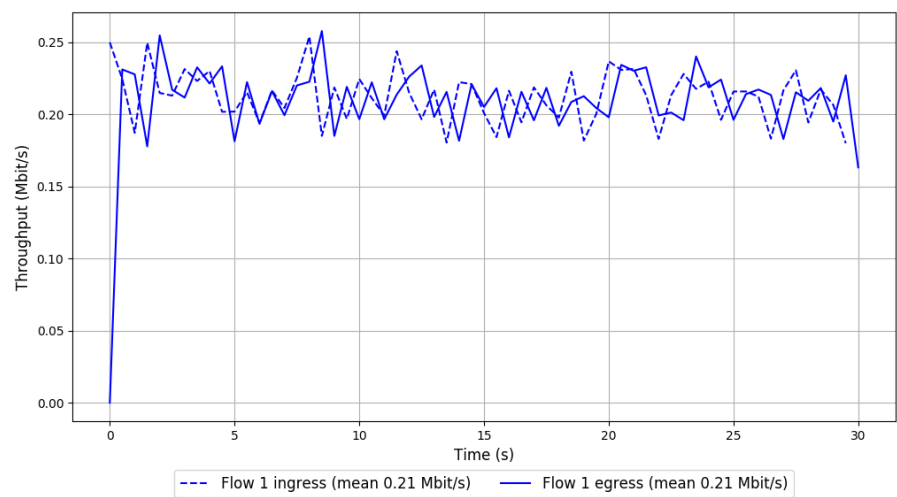


Run 4: Statistics of SCReAM

Start at: 2018-05-26 10:08:52
End at: 2018-05-26 10:09:22
Local clock offset: -0.218 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.649 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.649 ms
Loss rate: 0.26%

Run 4: Report of SReAM — Data Link

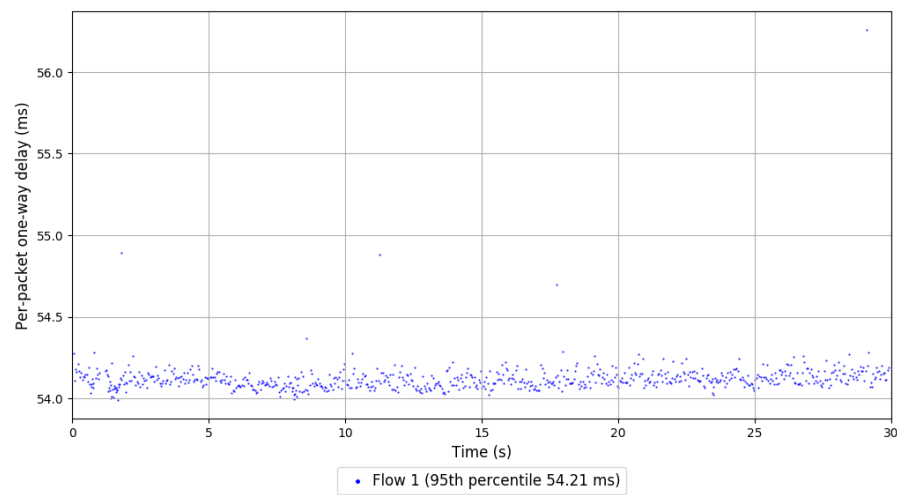
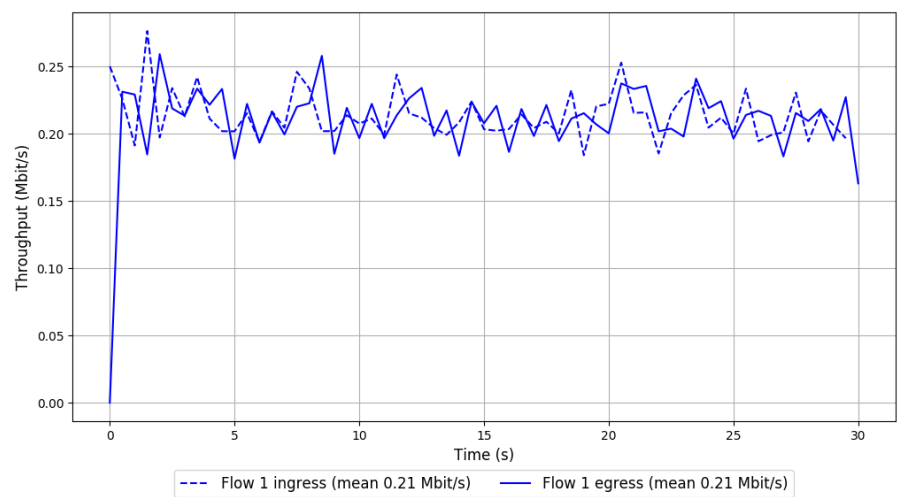


Run 5: Statistics of SCReAM

Start at: 2018-05-26 10:29:39
End at: 2018-05-26 10:30:09
Local clock offset: 0.006 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.207 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.207 ms
Loss rate: 0.39%

Run 5: Report of SReAM — Data Link

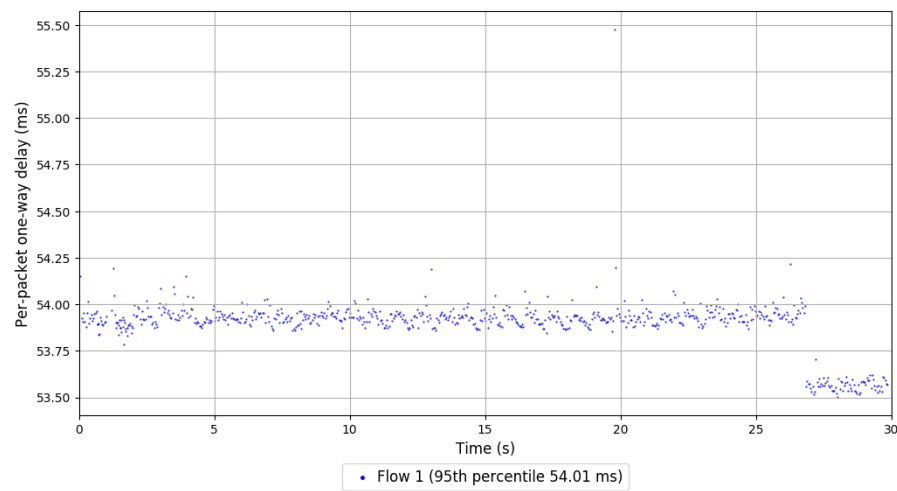
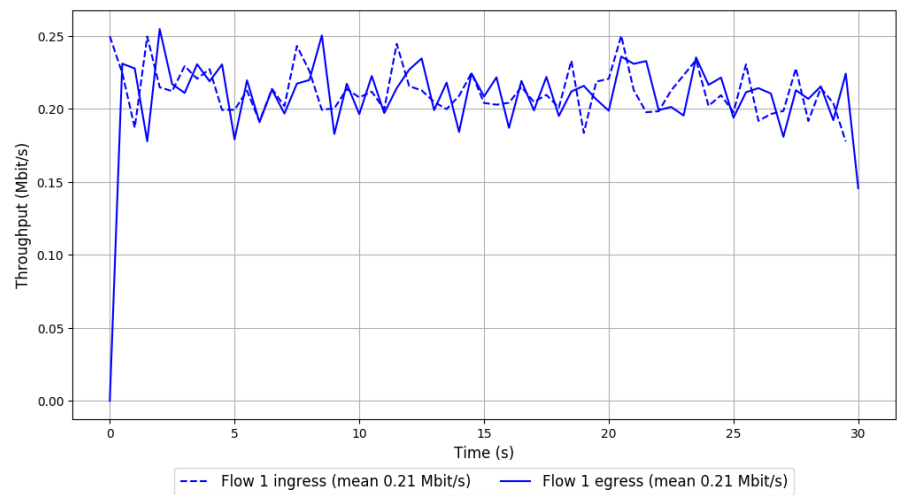


Run 6: Statistics of SCReAM

Start at: 2018-05-26 10:49:58
End at: 2018-05-26 10:50:28
Local clock offset: 0.225 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.007 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.007 ms
Loss rate: 0.38%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-26 11:10:26

End at: 2018-05-26 11:10:56

Local clock offset: -0.169 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.639 ms

Loss rate: 0.38%

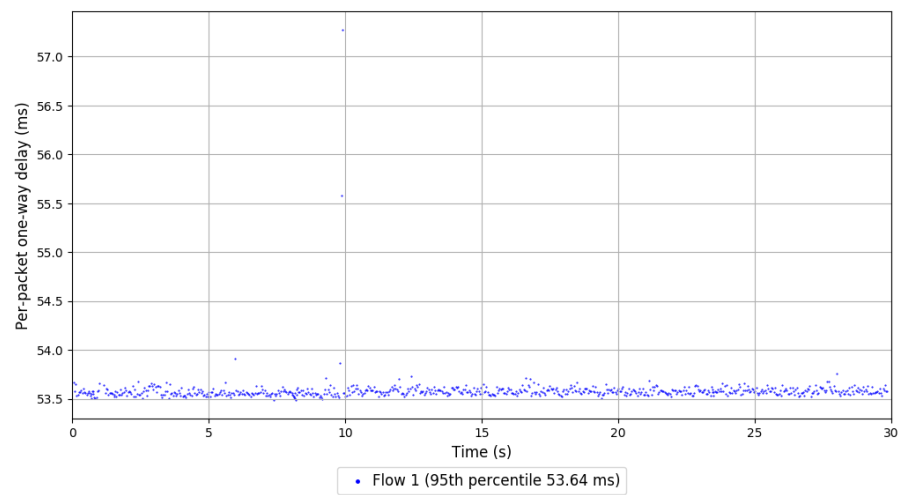
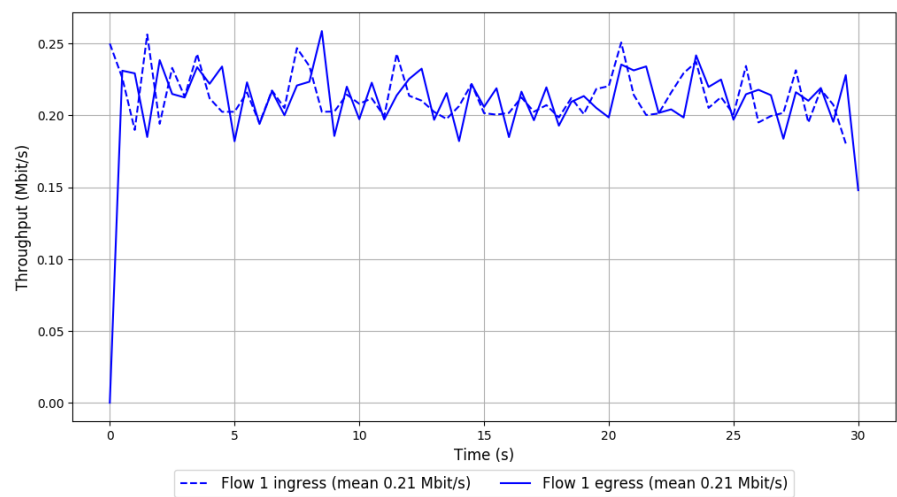
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.639 ms

Loss rate: 0.38%

Run 7: Report of SReAM — Data Link

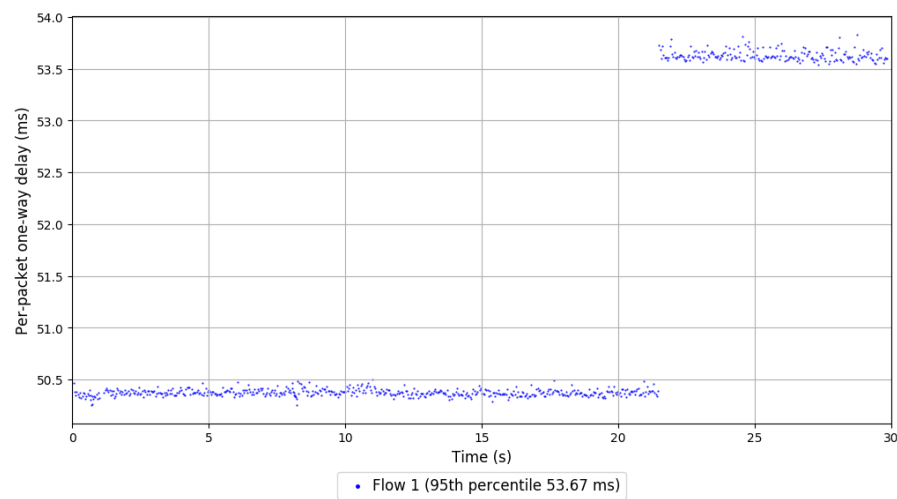
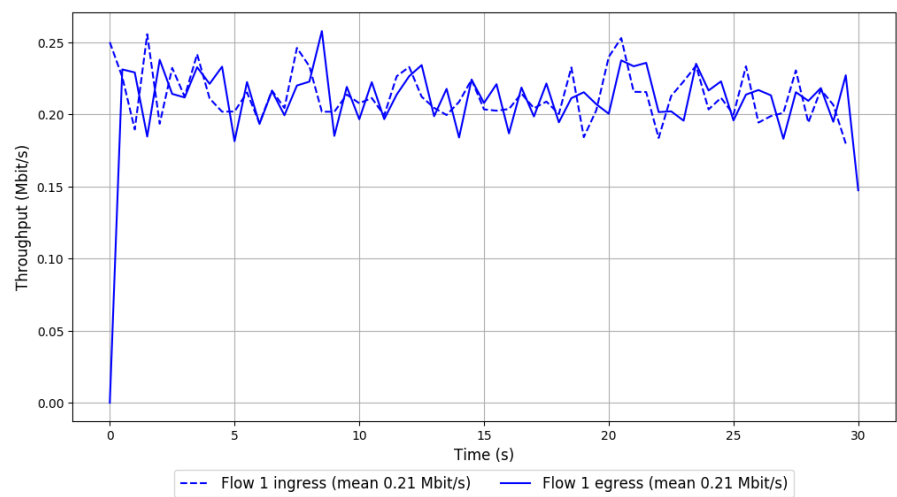


Run 8: Statistics of SCReAM

Start at: 2018-05-26 11:30:43
End at: 2018-05-26 11:31:13
Local clock offset: -0.05 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.672 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.672 ms
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-26 11:51:33

End at: 2018-05-26 11:52:03

Local clock offset: -0.207 ms

Remote clock offset: 0.215 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.370 ms

Loss rate: 0.38%

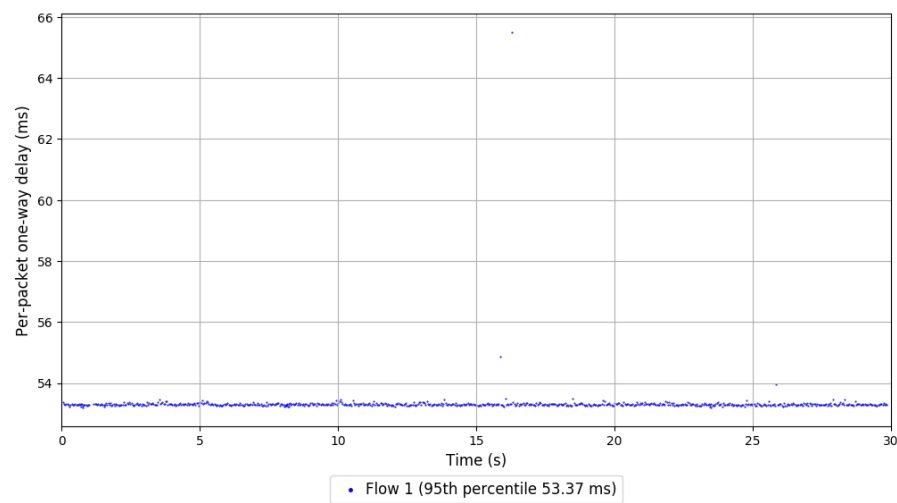
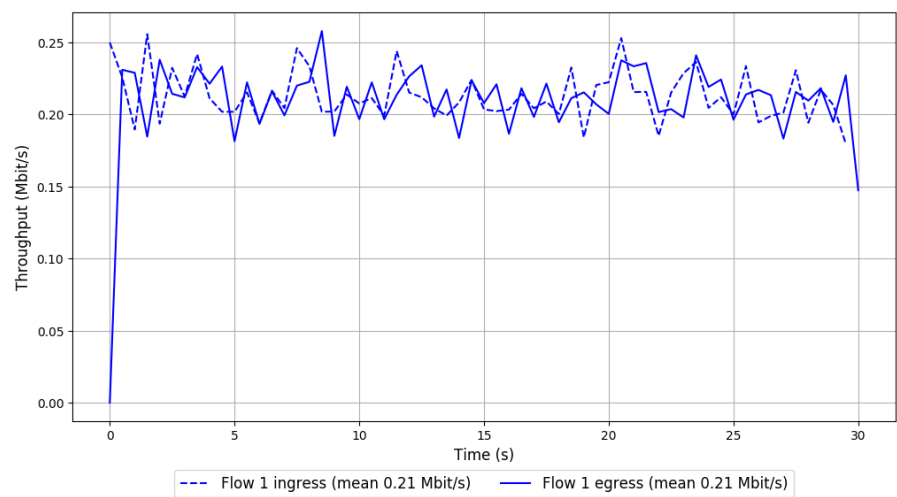
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.370 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-26 12:12:01

End at: 2018-05-26 12:12:31

Local clock offset: -0.065 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.391 ms

Loss rate: 0.39%

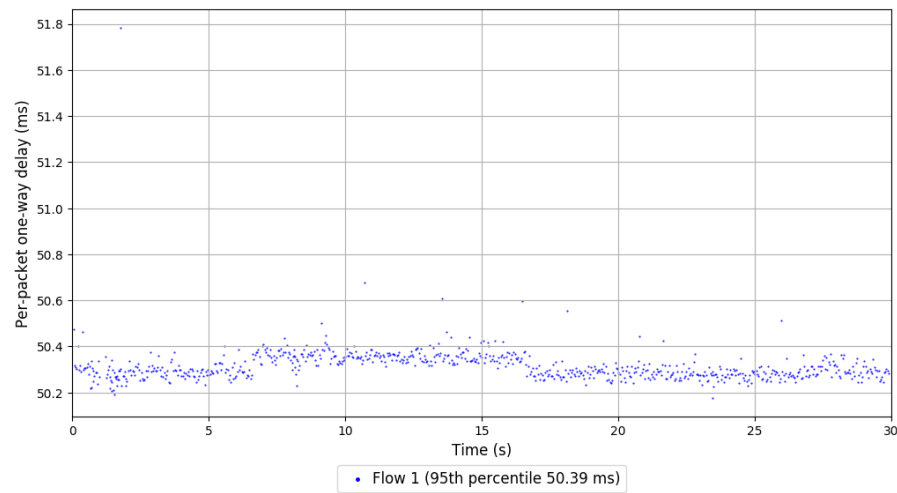
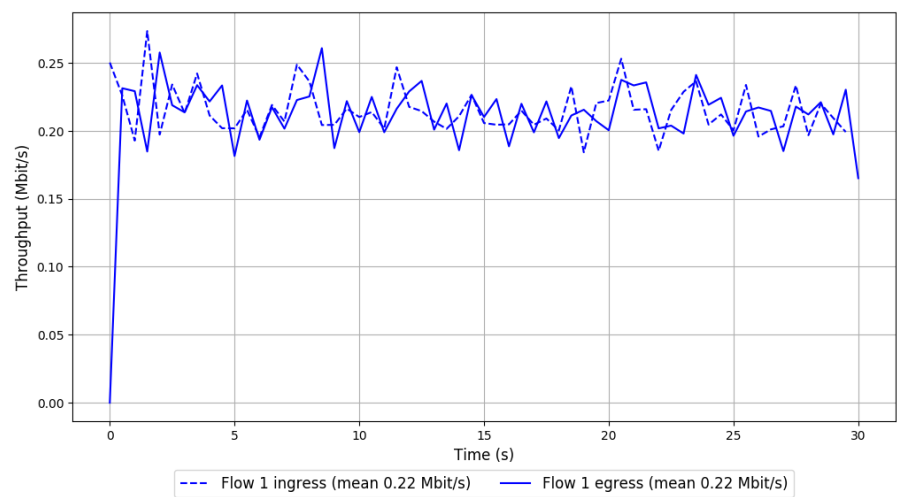
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.391 ms

Loss rate: 0.39%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-26 09:16:14

End at: 2018-05-26 09:16:44

Local clock offset: -0.332 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 50.347 ms

Loss rate: 0.36%

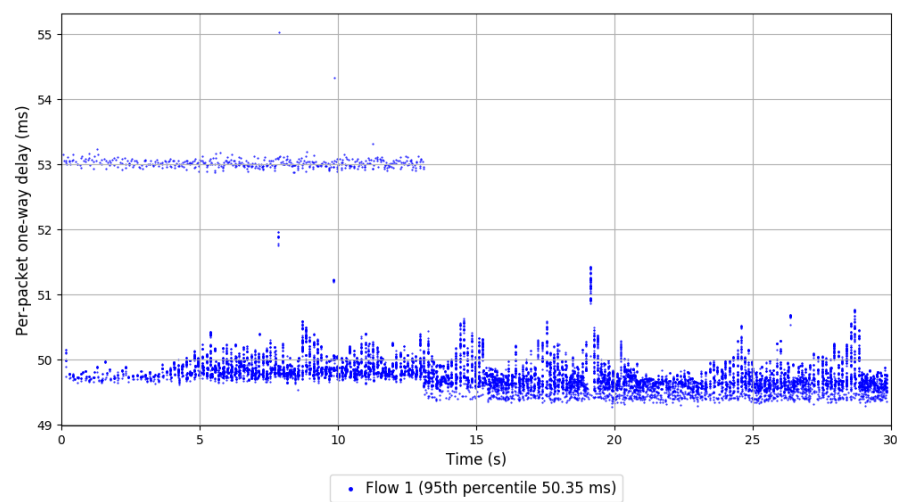
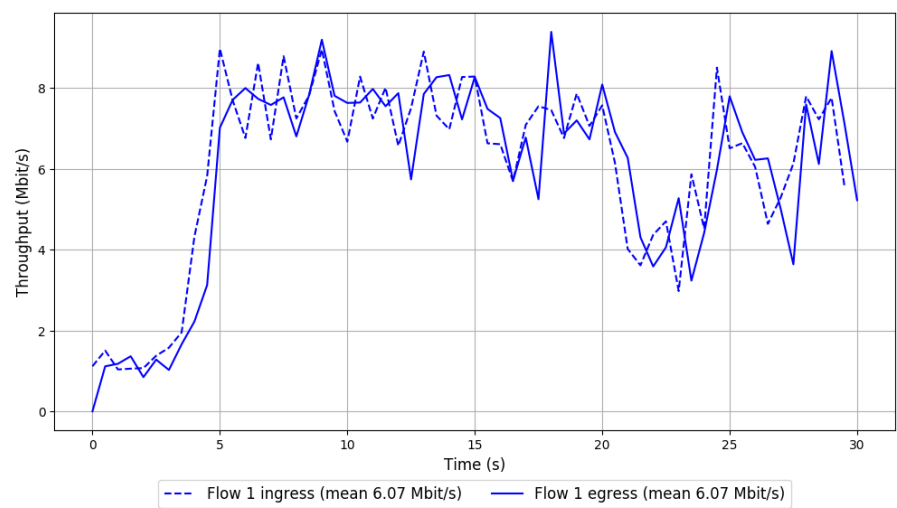
-- Flow 1:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 50.347 ms

Loss rate: 0.36%

Run 1: Report of Sprout — Data Link

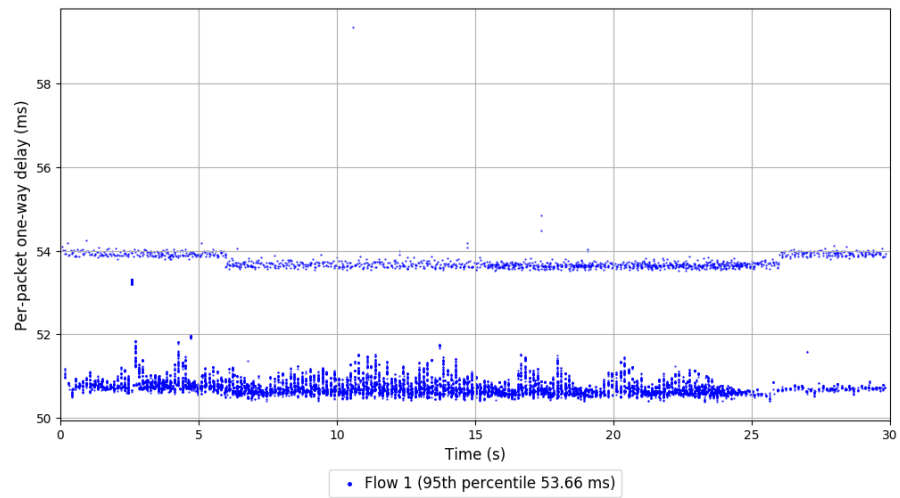
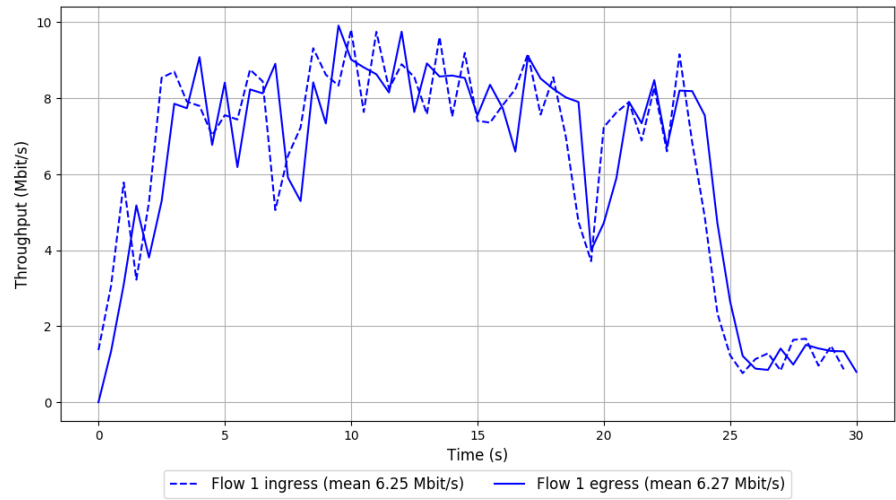


Run 2: Statistics of Sprout

Start at: 2018-05-26 09:36:31
End at: 2018-05-26 09:37:01
Local clock offset: 0.126 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 53.661 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 53.661 ms
Loss rate: 0.06%

Run 2: Report of Sprout — Data Link

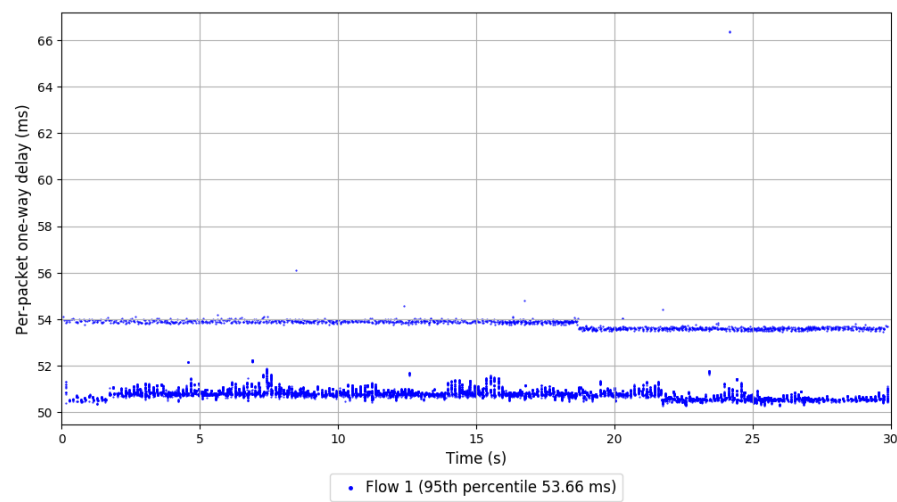
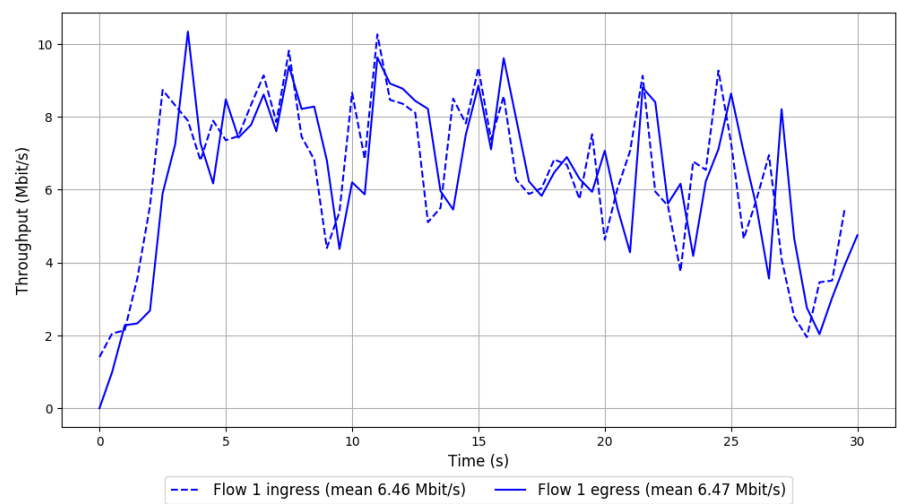


Run 3: Statistics of Sprout

Start at: 2018-05-26 09:57:16
End at: 2018-05-26 09:57:46
Local clock offset: 0.248 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 53.661 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 53.661 ms
Loss rate: 0.19%

Run 3: Report of Sprout — Data Link

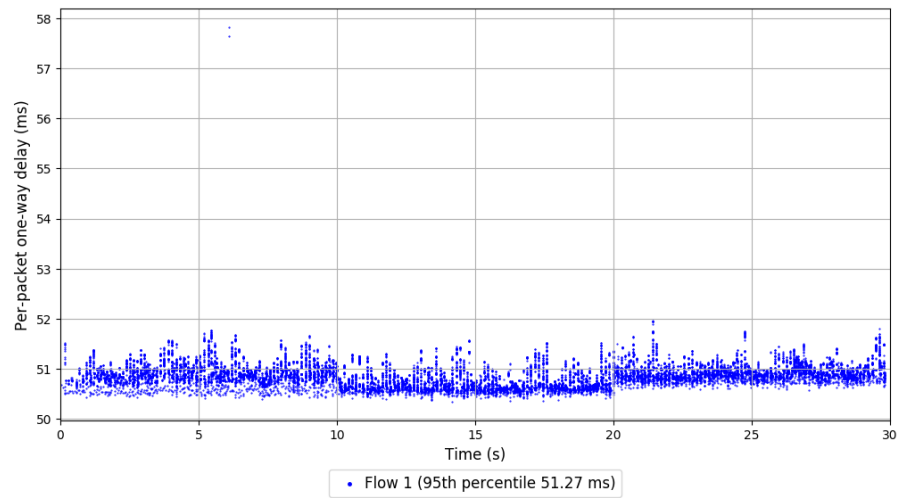
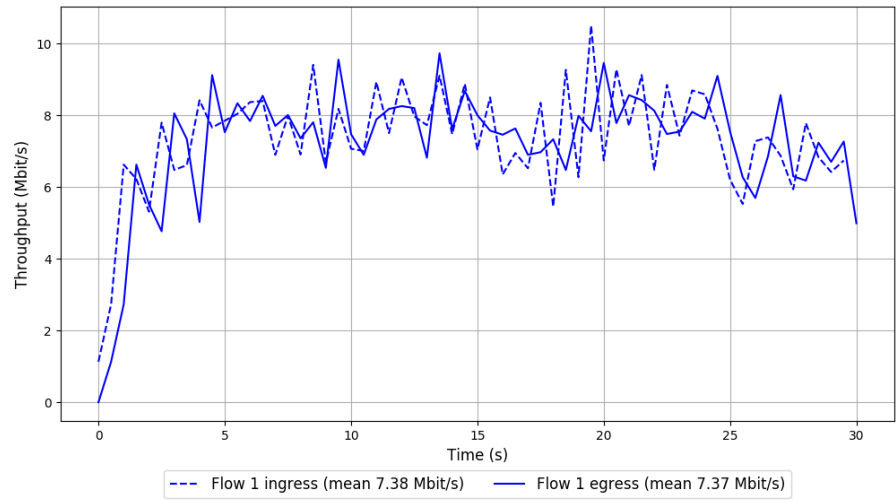


Run 4: Statistics of Sprout

Start at: 2018-05-26 10:17:37
End at: 2018-05-26 10:18:07
Local clock offset: 0.346 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 51.267 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 51.267 ms
Loss rate: 0.43%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-26 10:38:23

End at: 2018-05-26 10:38:53

Local clock offset: -0.172 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 50.541 ms

Loss rate: 0.56%

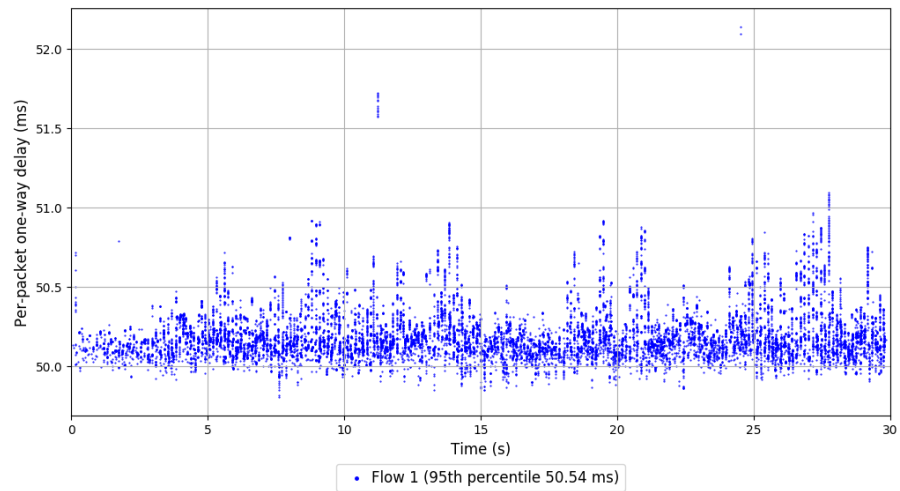
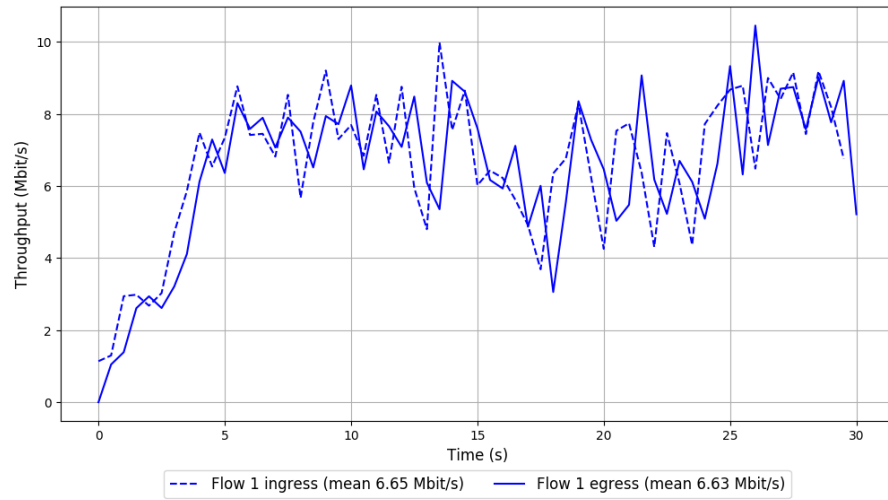
-- Flow 1:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 50.541 ms

Loss rate: 0.56%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-26 10:58:37

End at: 2018-05-26 10:59:07

Local clock offset: 0.072 ms

Remote clock offset: 0.368 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 52.834 ms

Loss rate: 0.30%

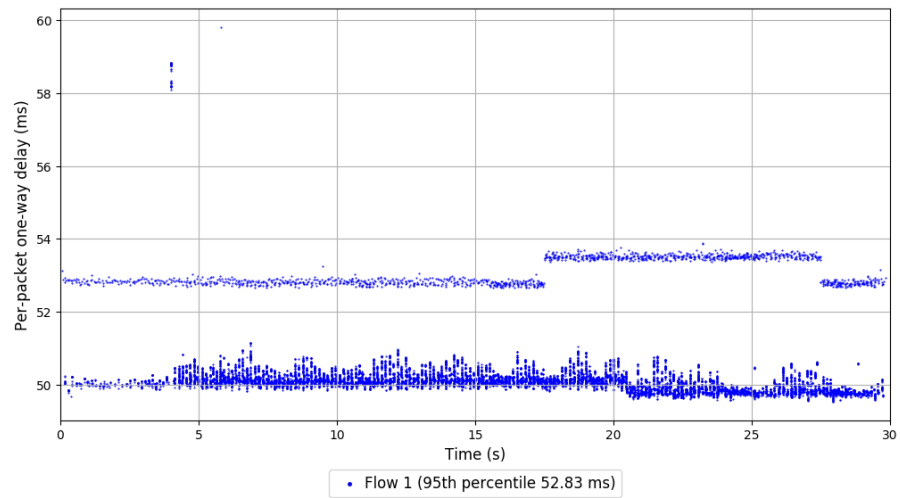
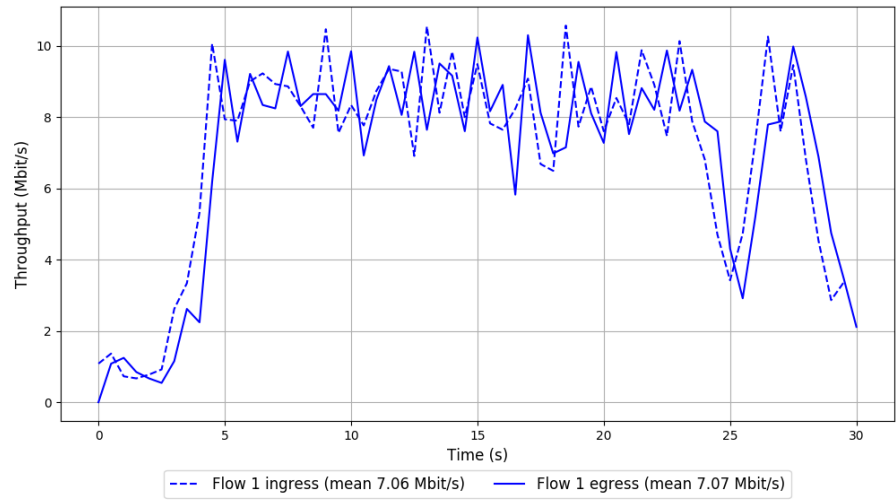
-- Flow 1:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 52.834 ms

Loss rate: 0.30%

Run 6: Report of Sprout — Data Link

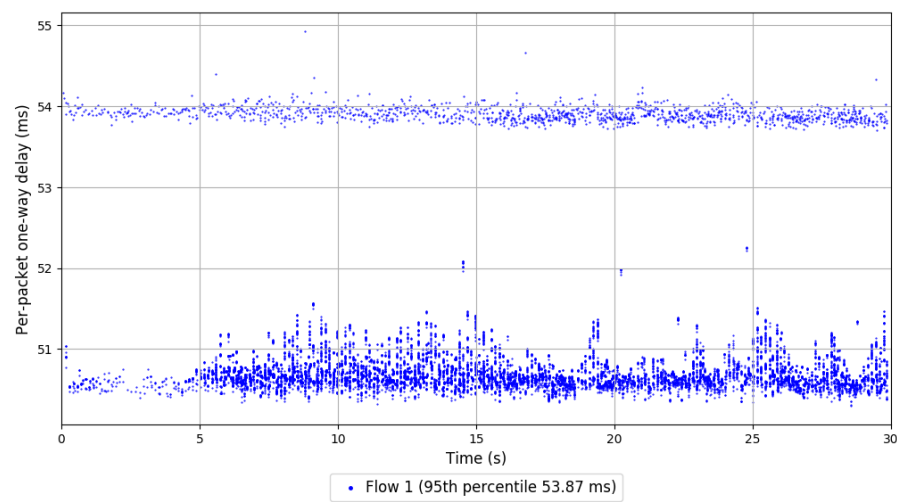
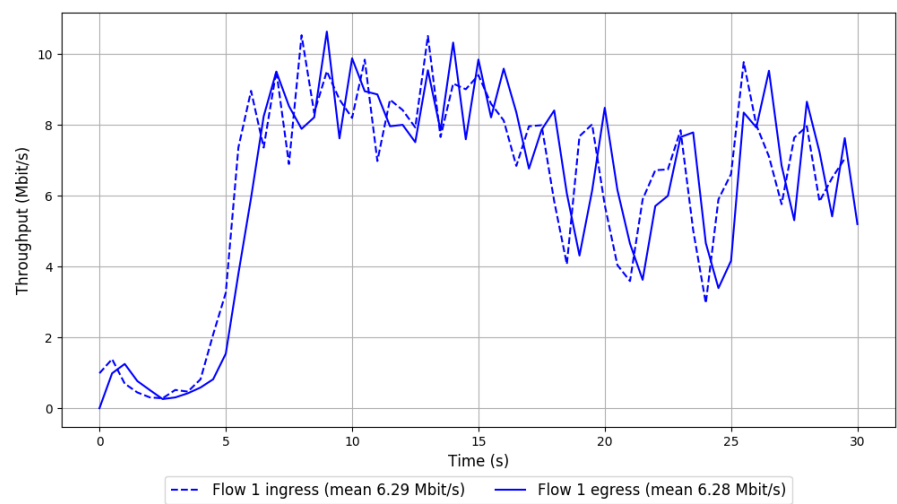


Run 7: Statistics of Sprout

Start at: 2018-05-26 11:19:10
End at: 2018-05-26 11:19:40
Local clock offset: 0.121 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 53.874 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.28 Mbit/s
95th percentile per-packet one-way delay: 53.874 ms
Loss rate: 0.50%

Run 7: Report of Sprout — Data Link

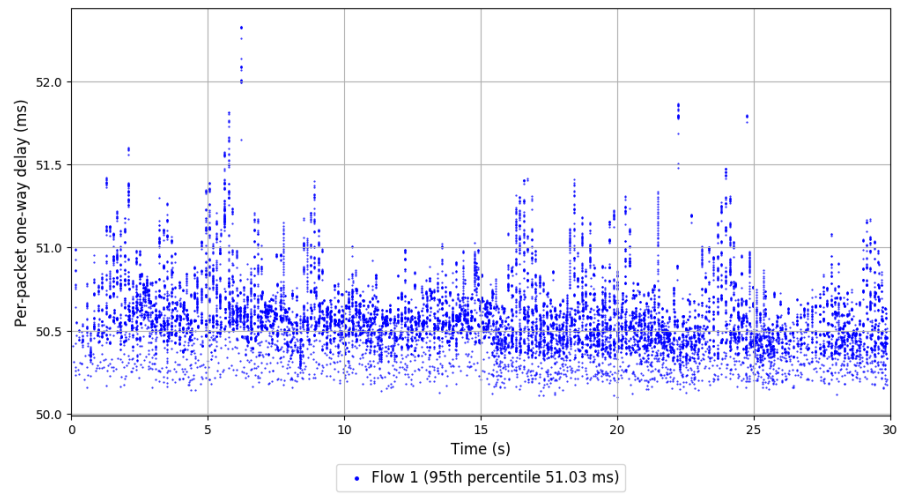
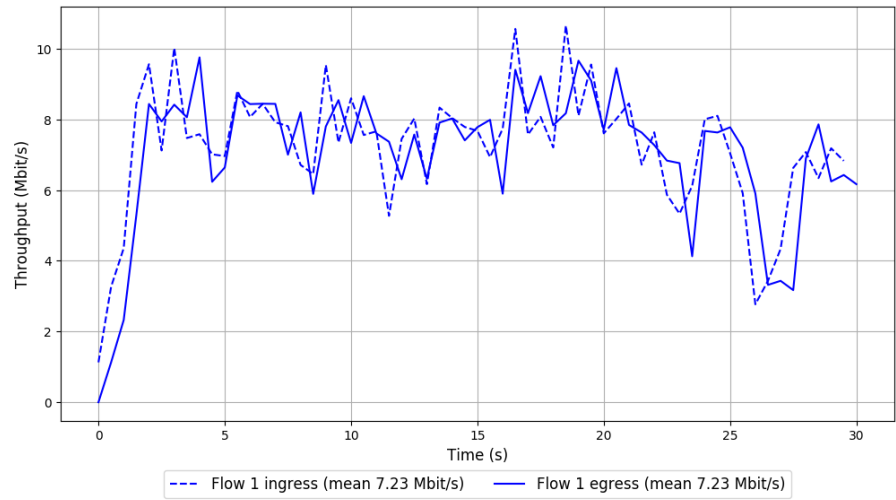


Run 8: Statistics of Sprout

Start at: 2018-05-26 11:39:30
End at: 2018-05-26 11:40:00
Local clock offset: -0.015 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-05-26 13:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 51.027 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 51.027 ms
Loss rate: 0.38%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-26 12:00:37

End at: 2018-05-26 12:01:07

Local clock offset: 0.334 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 53.739 ms

Loss rate: 1.24%

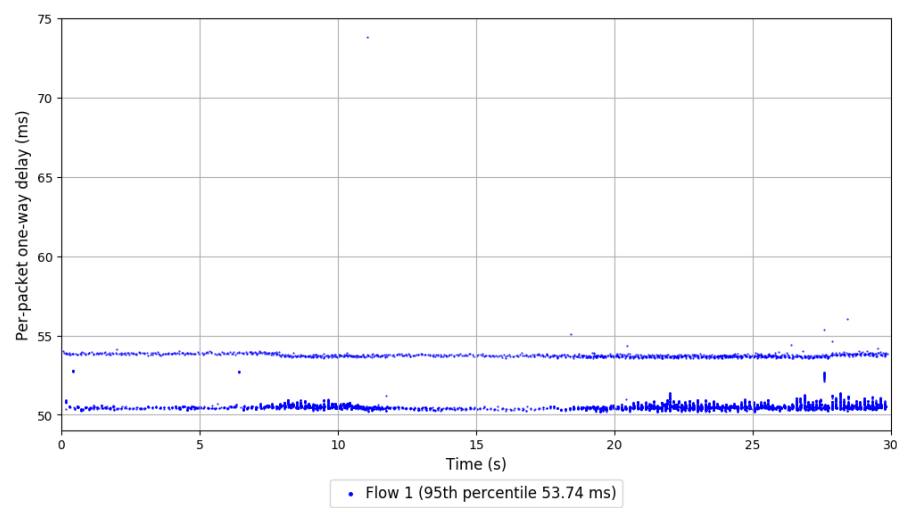
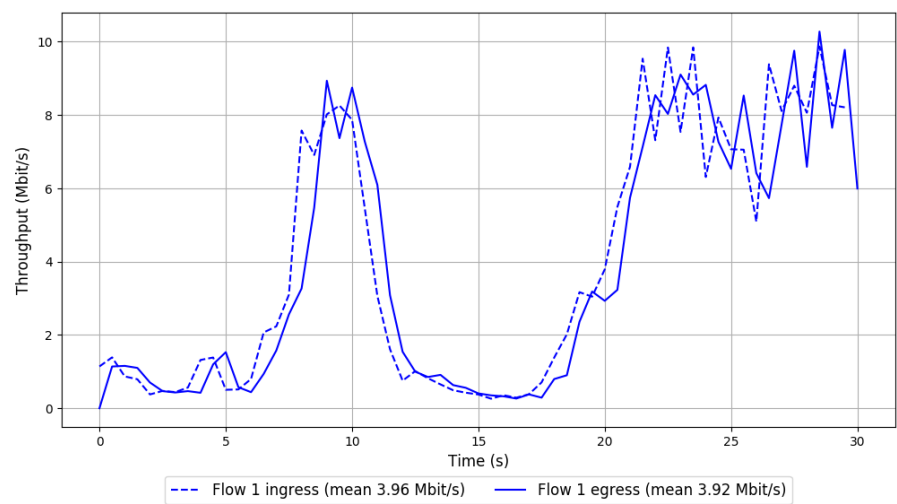
-- Flow 1:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 53.739 ms

Loss rate: 1.24%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-26 12:20:55

End at: 2018-05-26 12:21:25

Local clock offset: -0.291 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-05-26 13:55:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: 53.506 ms

Loss rate: 0.28%

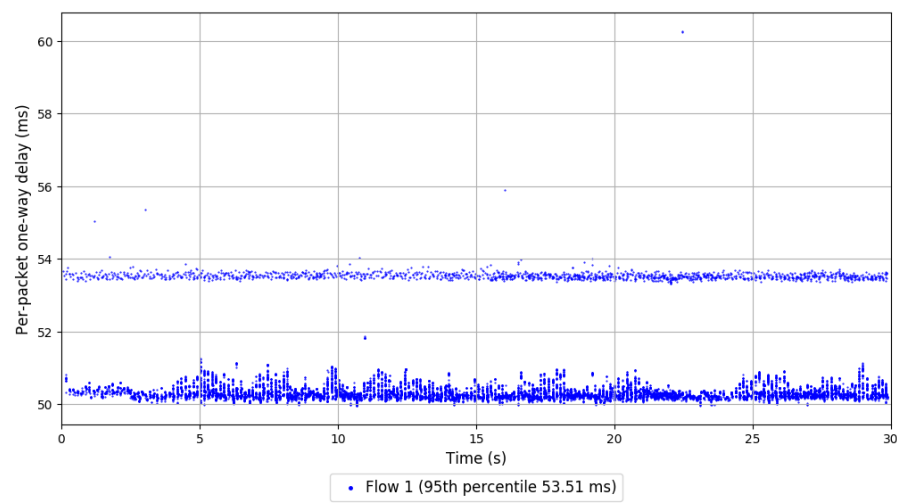
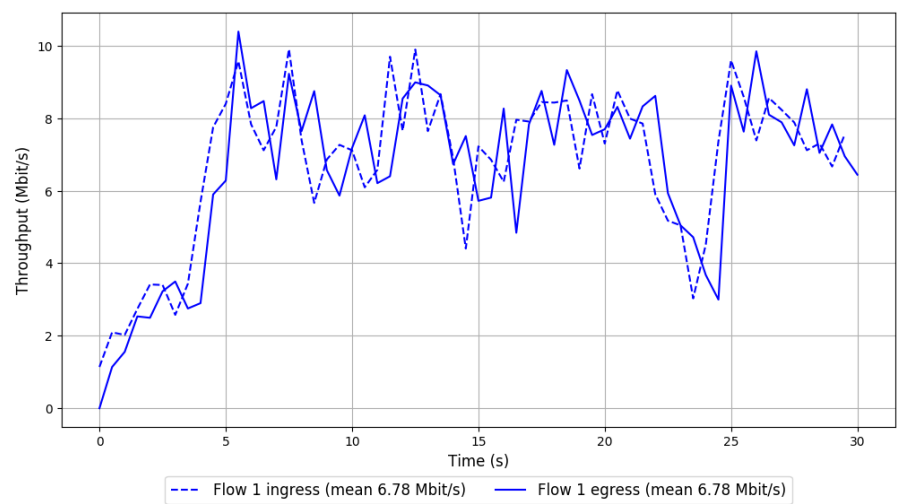
-- Flow 1:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: 53.506 ms

Loss rate: 0.28%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

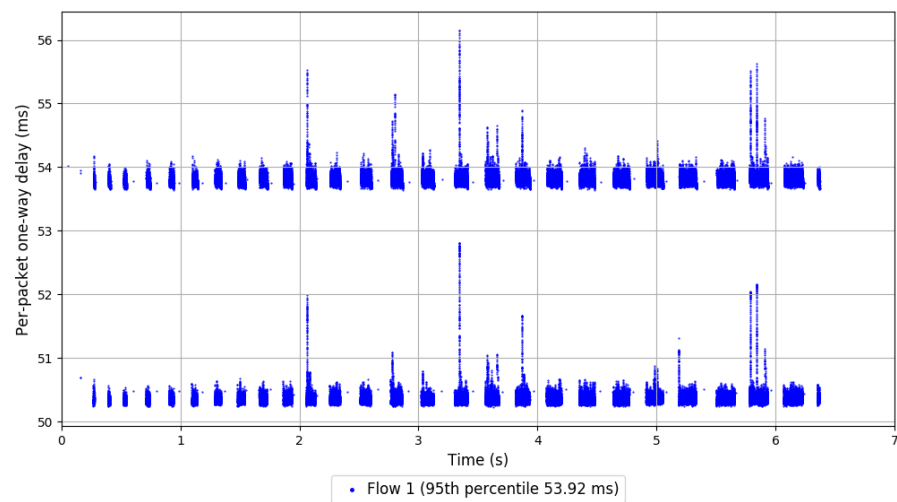
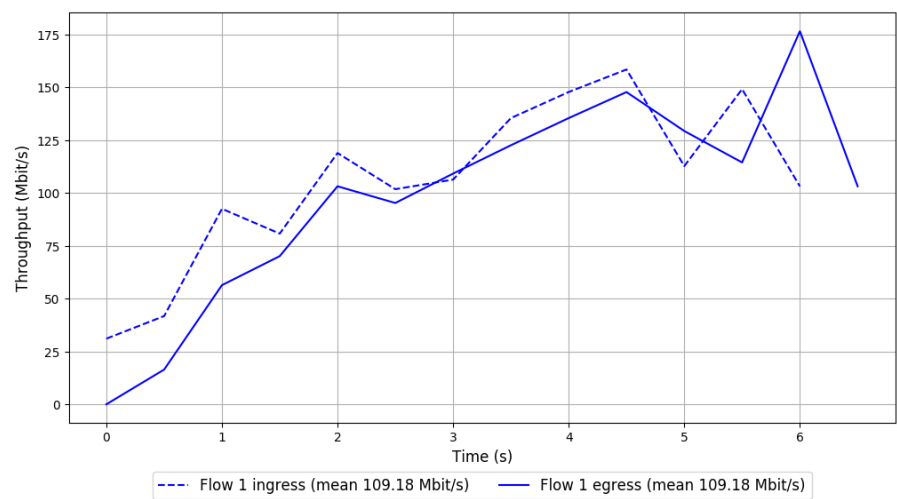
Start at: 2018-05-26 09:08:38

End at: 2018-05-26 09:09:08

Local clock offset: 0.102 ms

Remote clock offset: 0.031 ms

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



Run 2: Statistics of TaoVA-100x

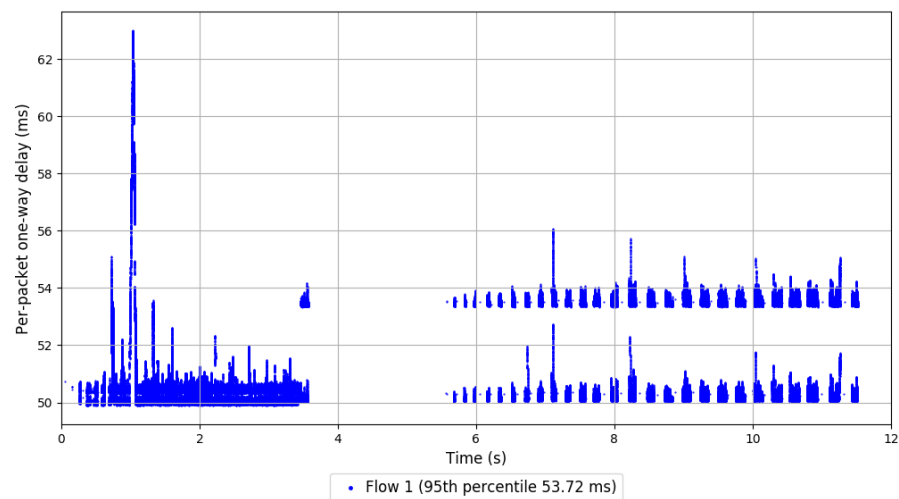
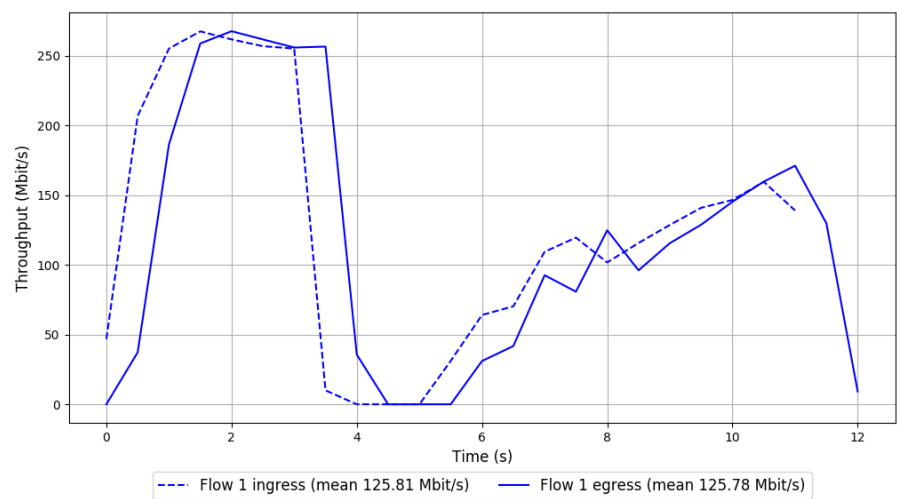
Start at: 2018-05-26 09:28:54

End at: 2018-05-26 09:29:24

Local clock offset: 0.04 ms

Remote clock offset: 0.177 ms

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

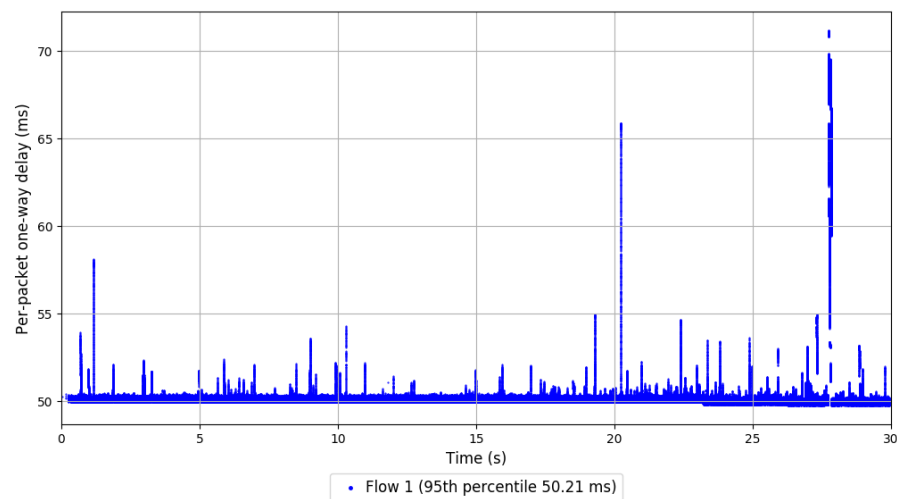
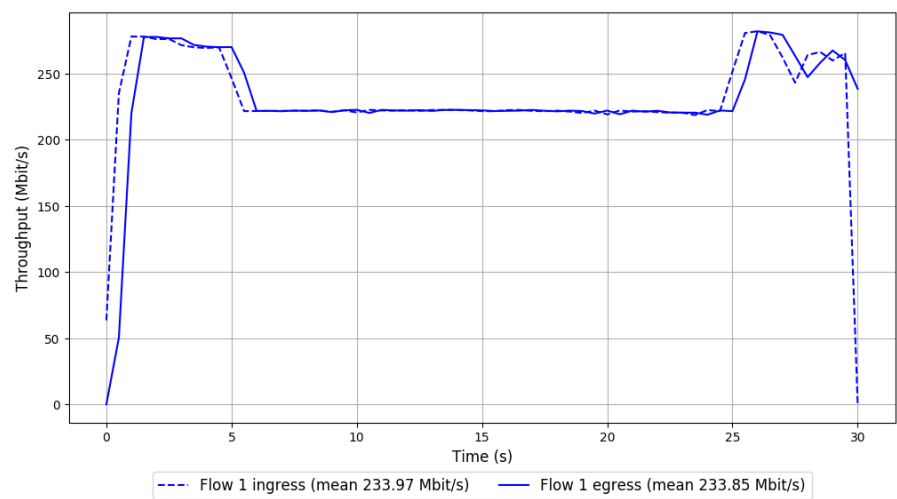


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-26 09:49:21
End at: 2018-05-26 09:49:51
Local clock offset: -0.173 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-05-26 13:59:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.85 Mbit/s
95th percentile per-packet one-way delay: 50.214 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 233.85 Mbit/s
95th percentile per-packet one-way delay: 50.214 ms
Loss rate: 0.39%

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



Run 4: Statistics of TaoVA-100x

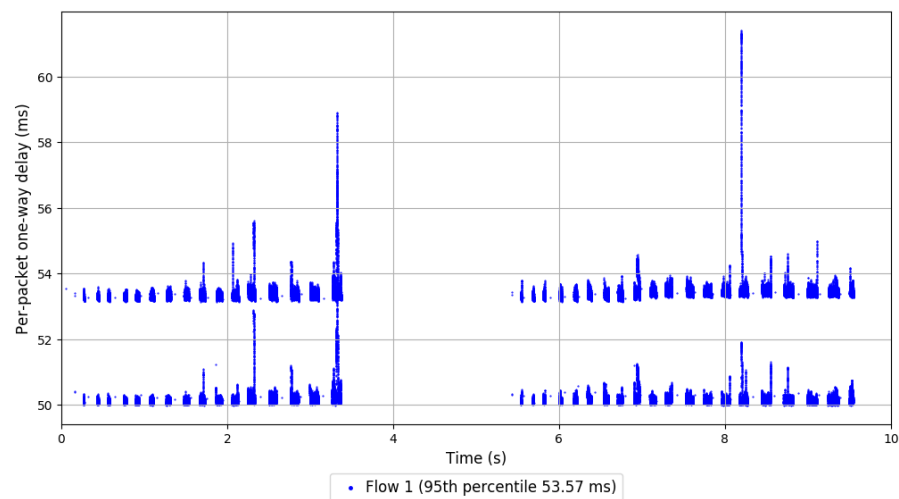
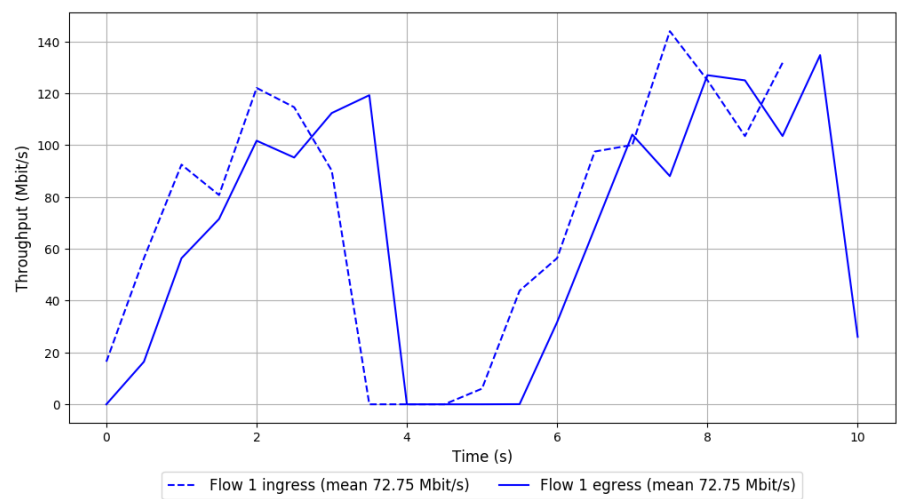
Start at: 2018-05-26 10:09:57

End at: 2018-05-26 10:10:27

Local clock offset: 0.143 ms

Remote clock offset: 0.149 ms

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



Run 5: Statistics of TaoVA-100x

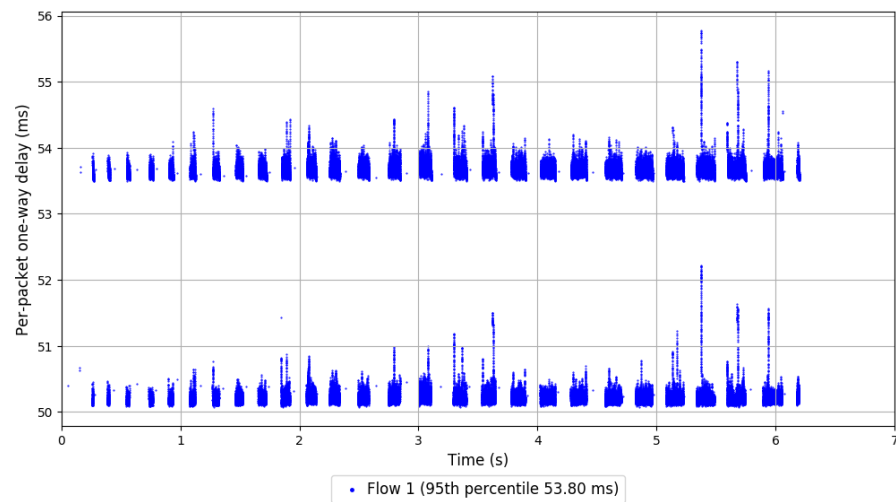
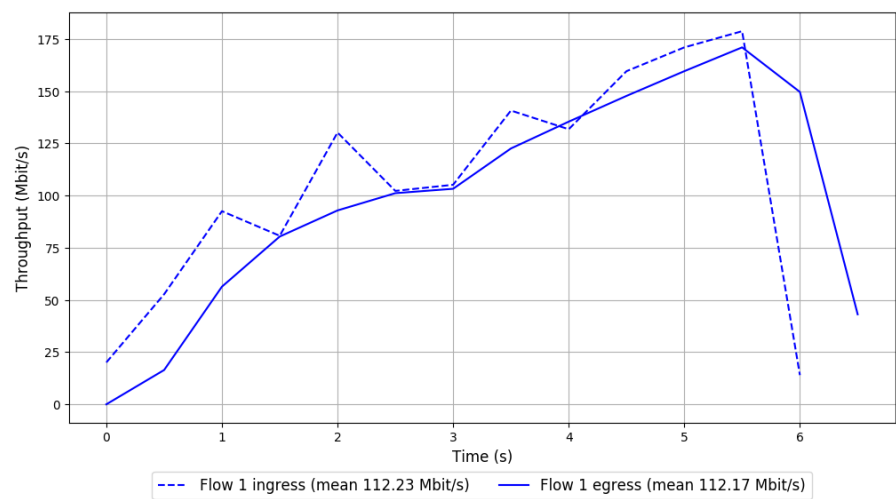
Start at: 2018-05-26 10:30:44

End at: 2018-05-26 10:31:14

Local clock offset: -0.021 ms

Remote clock offset: -0.04 ms

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



Run 6: Statistics of TaoVA-100x

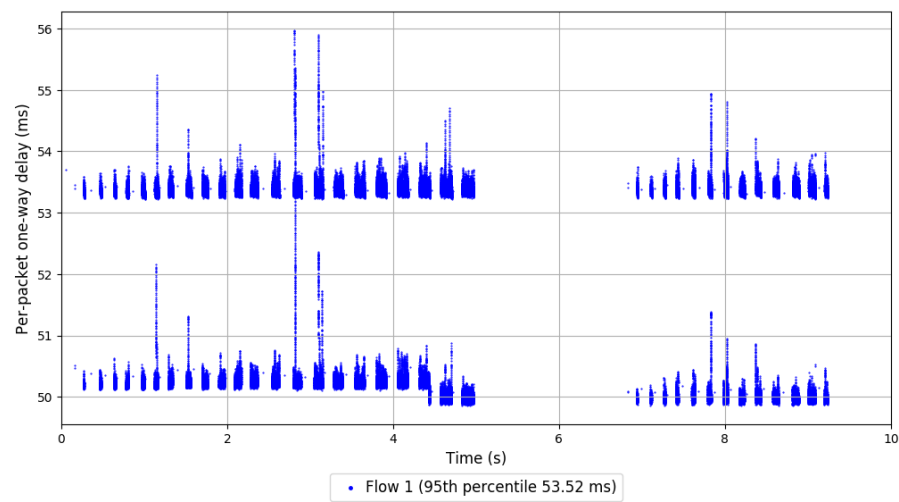
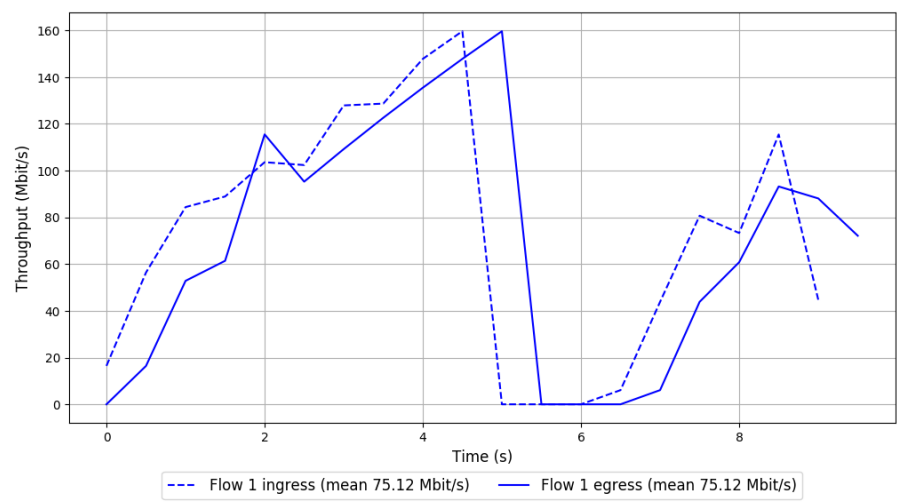
Start at: 2018-05-26 10:51:03

End at: 2018-05-26 10:51:33

Local clock offset: -0.086 ms

Remote clock offset: -0.141 ms

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

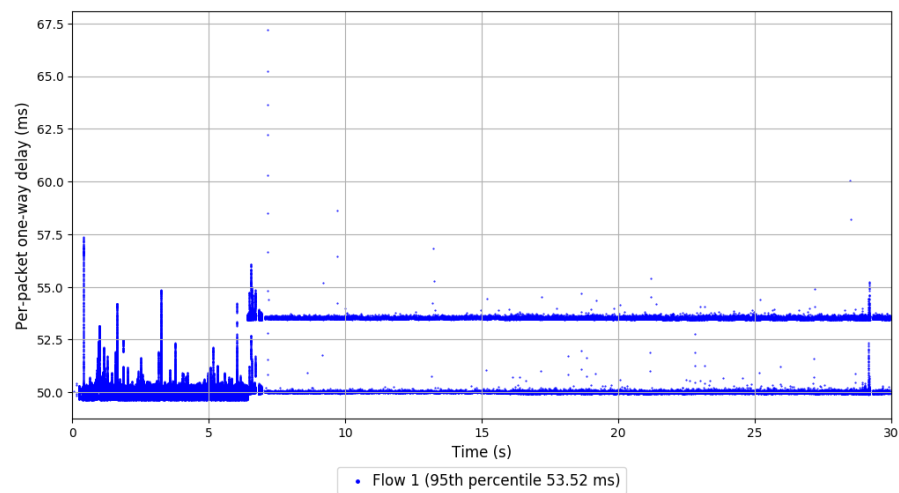
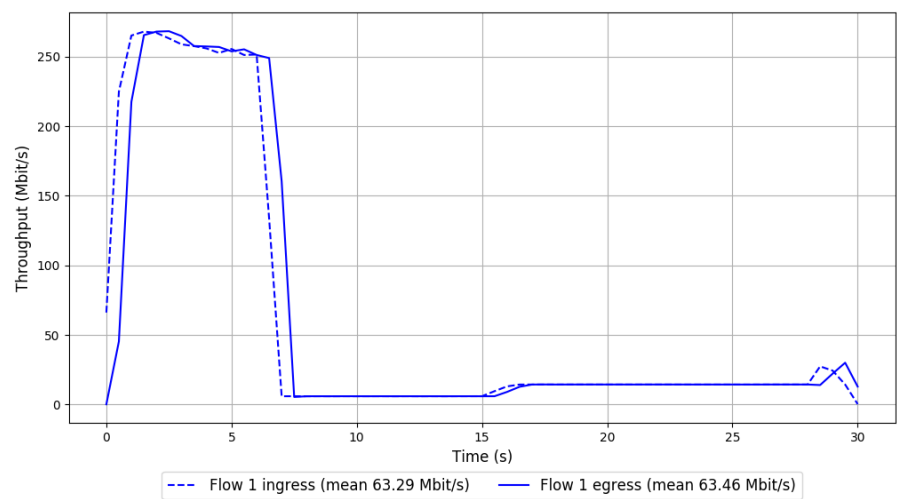


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-26 11:11:31
End at: 2018-05-26 11:12:01
Local clock offset: -0.151 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-26 13:59:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 53.519 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 53.519 ms
Loss rate: 0.08%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-26 11:31:48

End at: 2018-05-26 11:32:18

Local clock offset: 0.496 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-05-26 13:59:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 53.651 ms

Loss rate: 0.04%

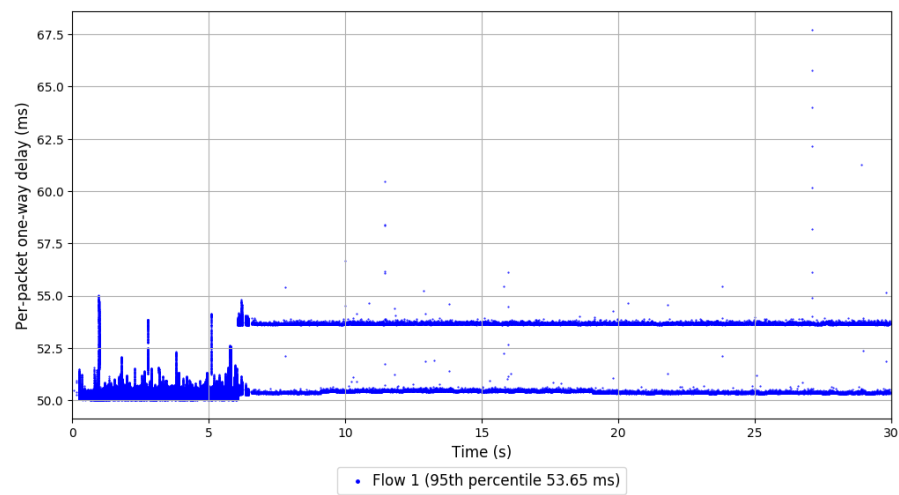
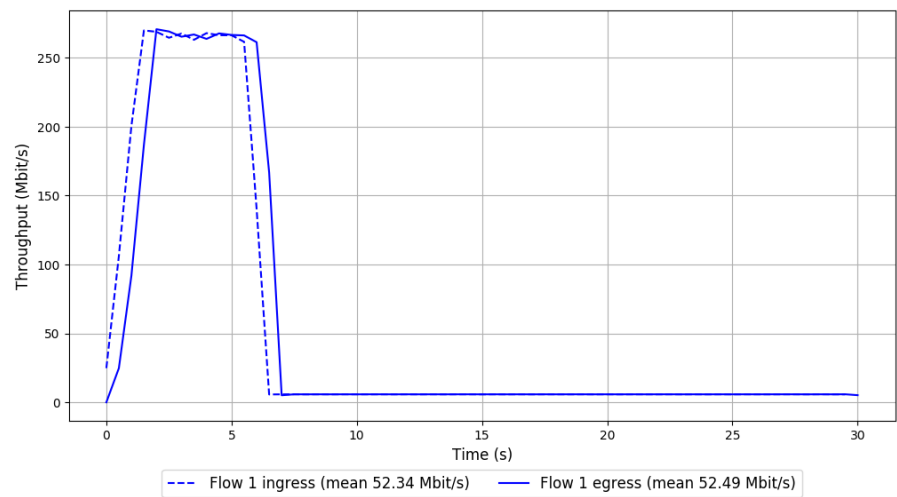
-- Flow 1:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 53.651 ms

Loss rate: 0.04%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-26 11:52:39

End at: 2018-05-26 11:53:09

Local clock offset: -0.04 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-05-26 14:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.34 Mbit/s

95th percentile per-packet one-way delay: 50.209 ms

Loss rate: 0.36%

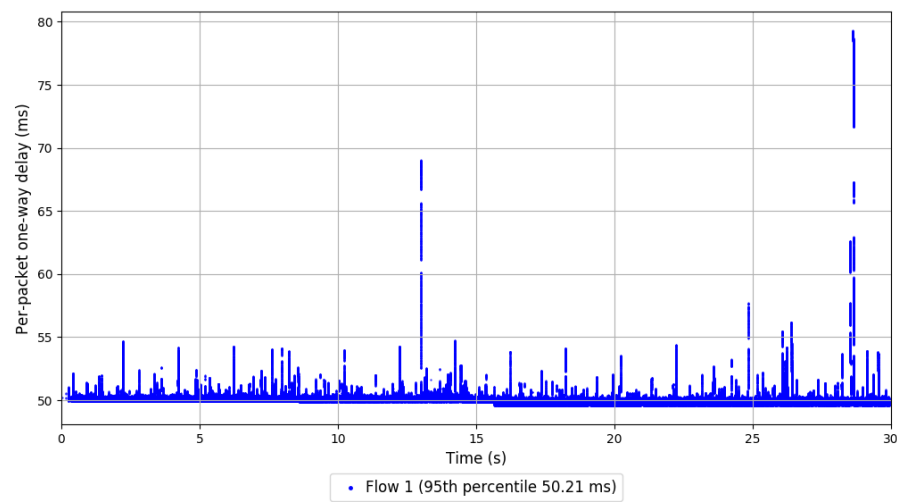
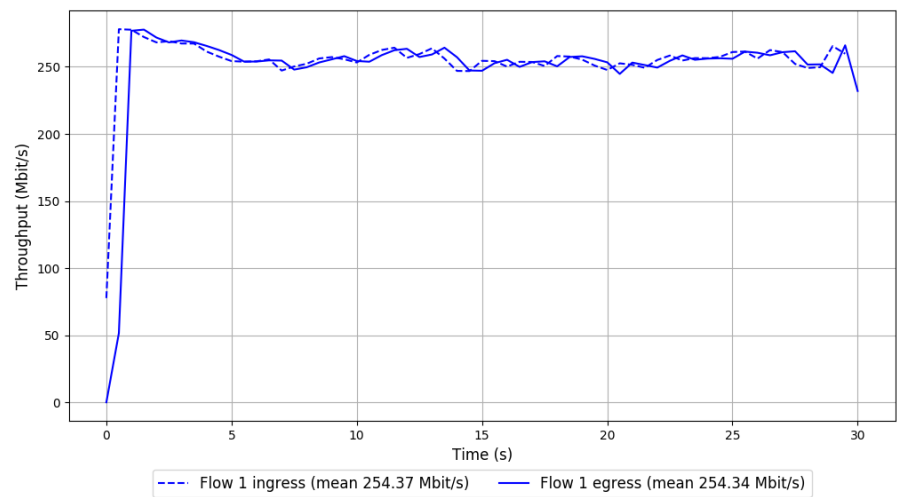
-- Flow 1:

Average throughput: 254.34 Mbit/s

95th percentile per-packet one-way delay: 50.209 ms

Loss rate: 0.36%

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

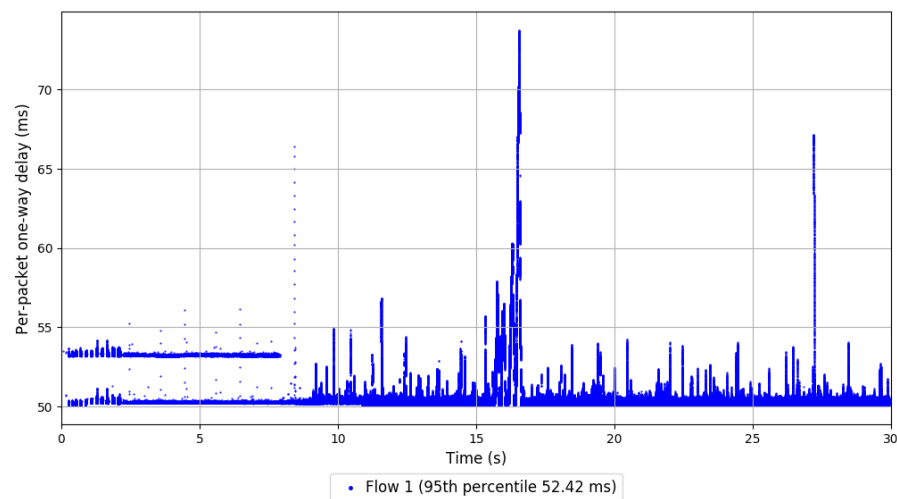
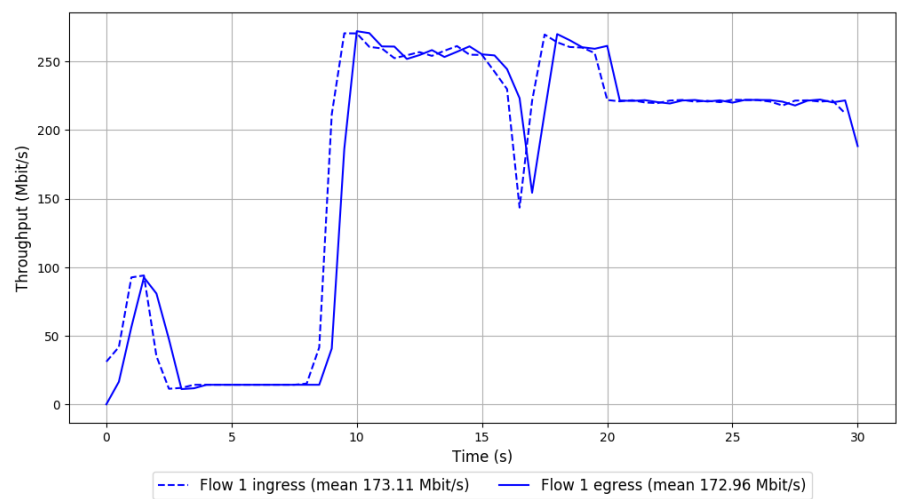


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-26 12:13:07
End at: 2018-05-26 12:13:37
Local clock offset: -0.116 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-26 14:01:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.96 Mbit/s
95th percentile per-packet one-way delay: 52.424 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 172.96 Mbit/s
95th percentile per-packet one-way delay: 52.424 ms
Loss rate: 0.44%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-26 09:25:24

End at: 2018-05-26 09:25:54

Local clock offset: 0.047 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-05-26 14:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.53 Mbit/s

95th percentile per-packet one-way delay: 51.063 ms

Loss rate: 0.31%

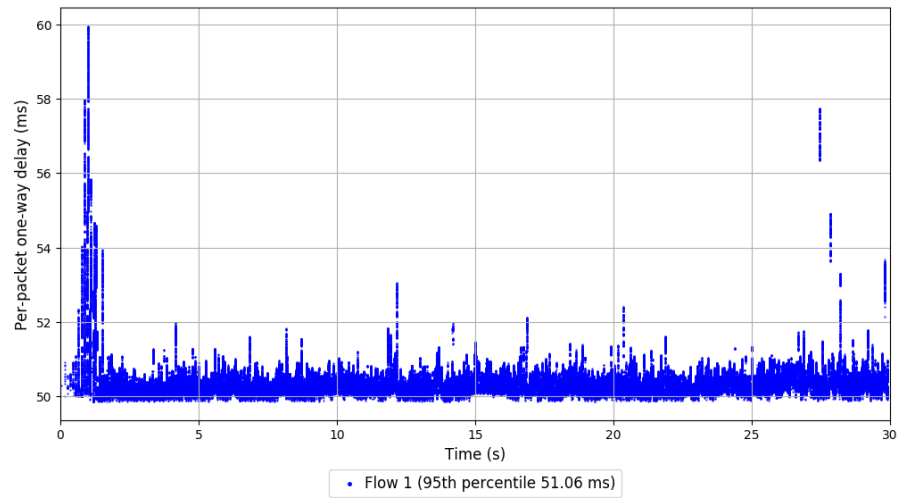
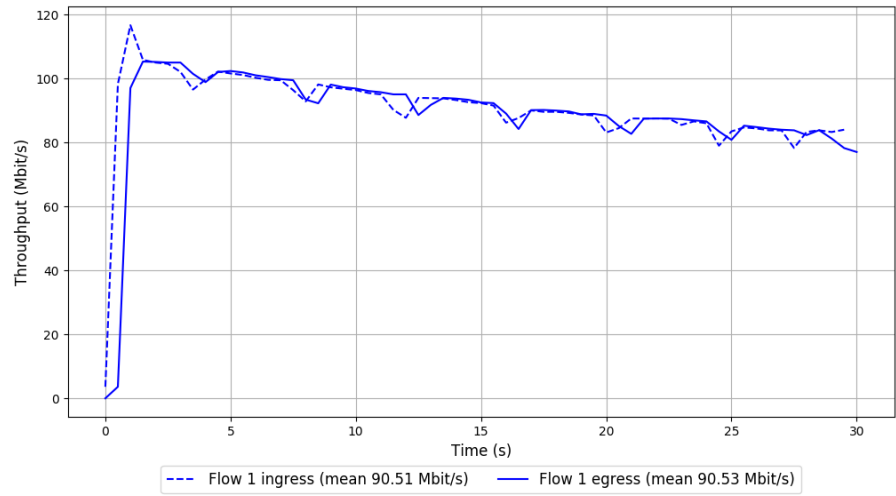
-- Flow 1:

Average throughput: 90.53 Mbit/s

95th percentile per-packet one-way delay: 51.063 ms

Loss rate: 0.31%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-26 09:45:41

End at: 2018-05-26 09:46:11

Local clock offset: 0.063 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-05-26 14:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.22 Mbit/s

95th percentile per-packet one-way delay: 57.551 ms

Loss rate: 0.36%

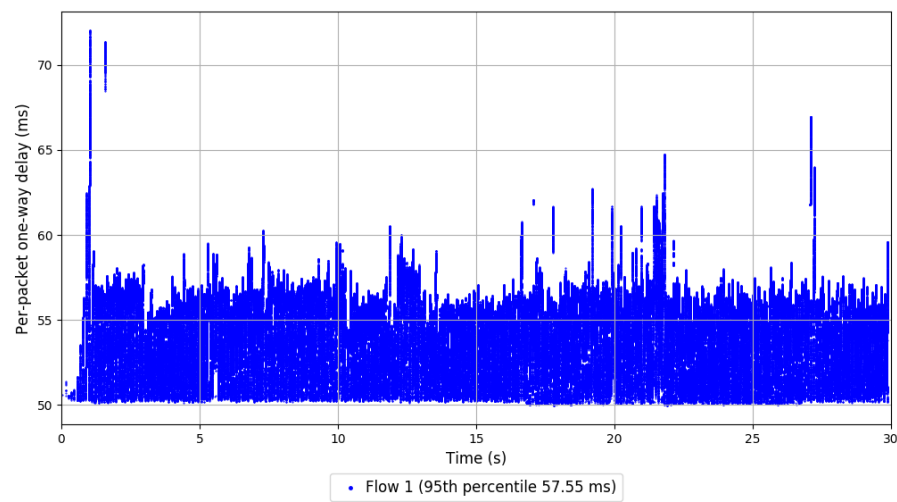
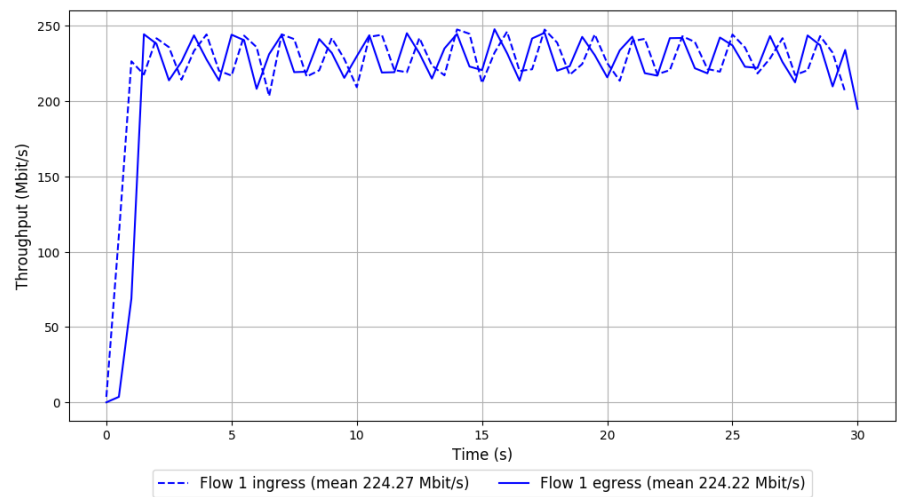
-- Flow 1:

Average throughput: 224.22 Mbit/s

95th percentile per-packet one-way delay: 57.551 ms

Loss rate: 0.36%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-26 10:06:09

End at: 2018-05-26 10:06:39

Local clock offset: 0.027 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-05-26 14:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.81 Mbit/s

95th percentile per-packet one-way delay: 51.344 ms

Loss rate: 0.23%

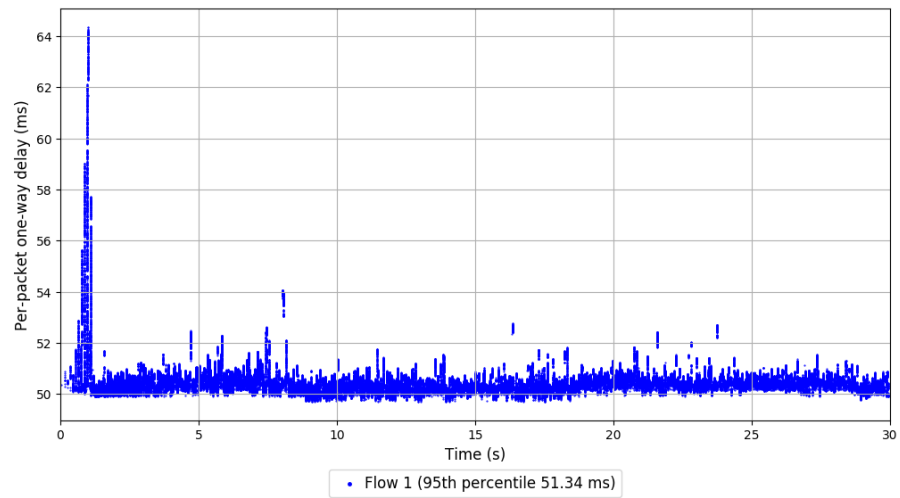
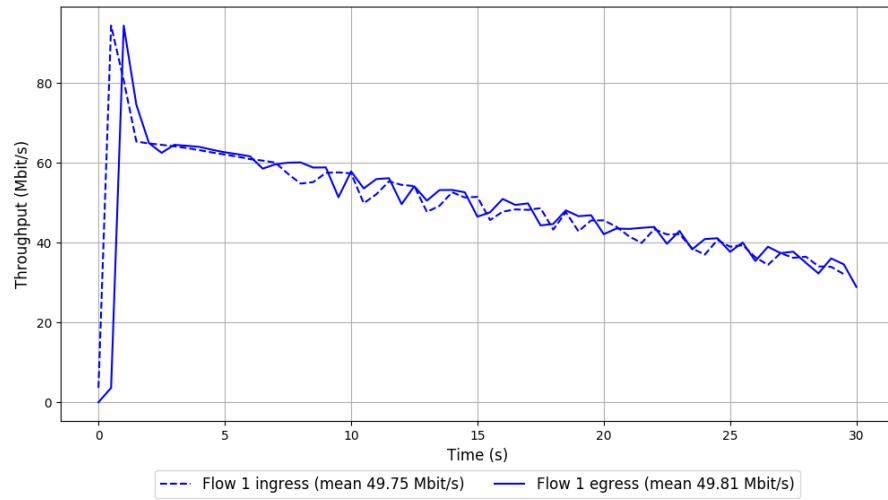
-- Flow 1:

Average throughput: 49.81 Mbit/s

95th percentile per-packet one-way delay: 51.344 ms

Loss rate: 0.23%

Run 3: Report of TCP Vegas — Data Link

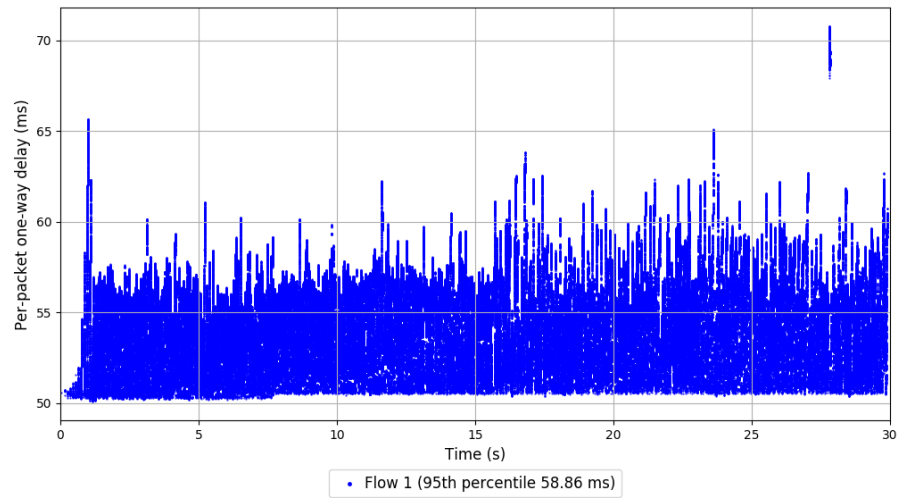
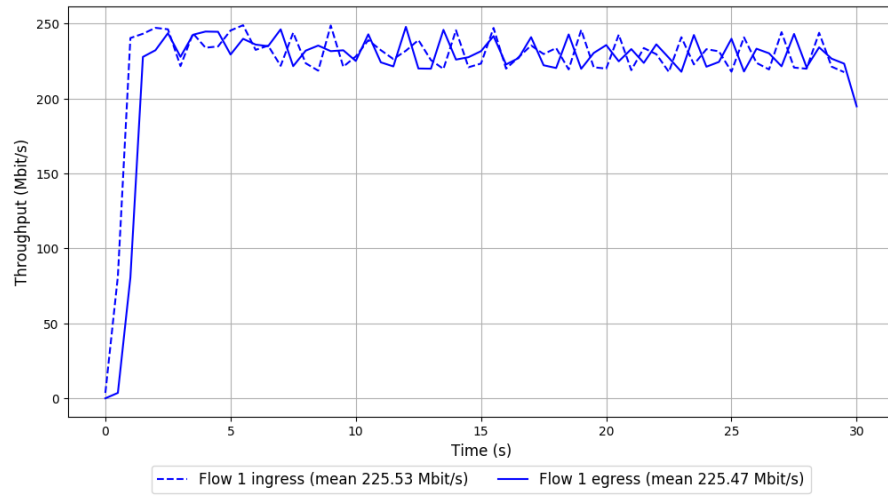


Run 4: Statistics of TCP Vegas

Start at: 2018-05-26 10:26:50
End at: 2018-05-26 10:27:20
Local clock offset: 0.122 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-05-26 14:01:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.47 Mbit/s
95th percentile per-packet one-way delay: 58.861 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 225.47 Mbit/s
95th percentile per-packet one-way delay: 58.861 ms
Loss rate: 0.36%

Run 4: Report of TCP Vegas — Data Link

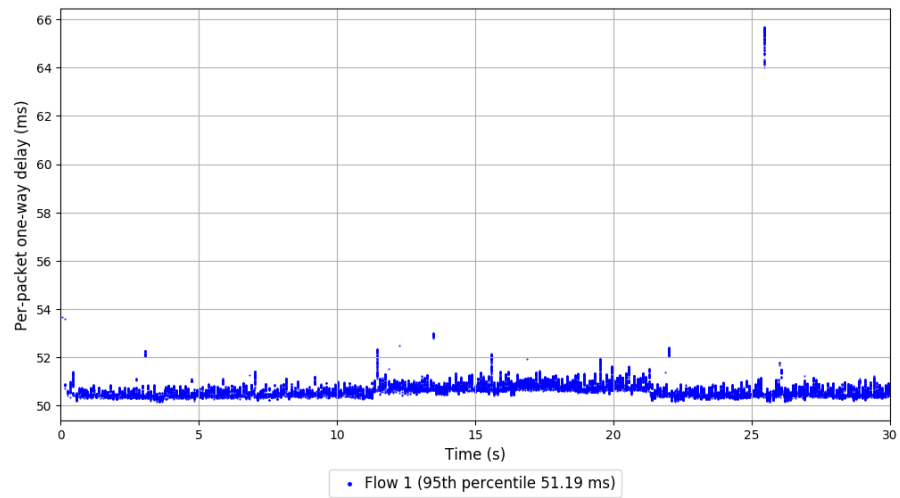
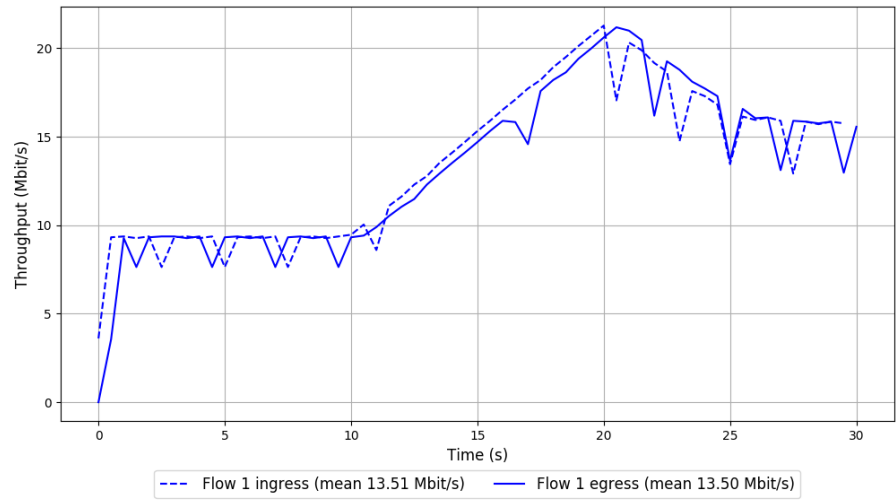


Run 5: Statistics of TCP Vegas

Start at: 2018-05-26 10:47:16
End at: 2018-05-26 10:47:46
Local clock offset: 0.239 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-05-26 14:01:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 51.192 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 51.192 ms
Loss rate: 0.39%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-26 11:07:36

End at: 2018-05-26 11:08:06

Local clock offset: -0.244 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-05-26 14:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.73 Mbit/s

95th percentile per-packet one-way delay: 51.180 ms

Loss rate: 0.36%

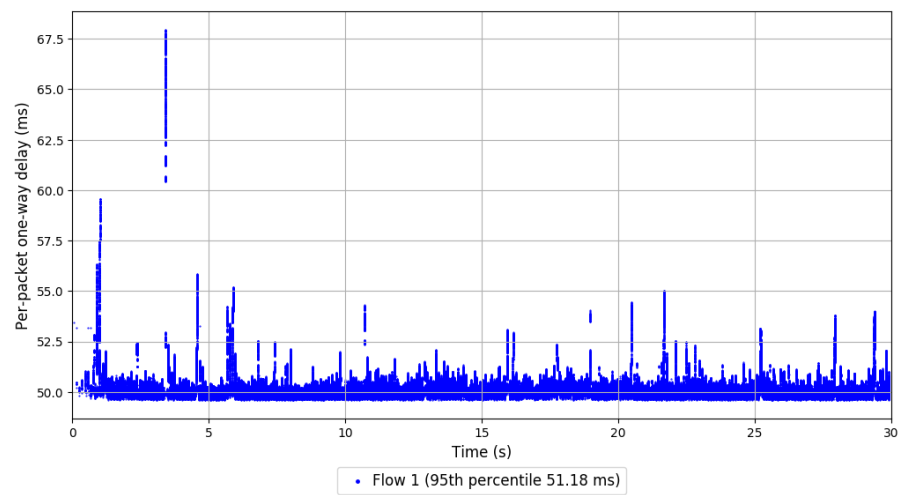
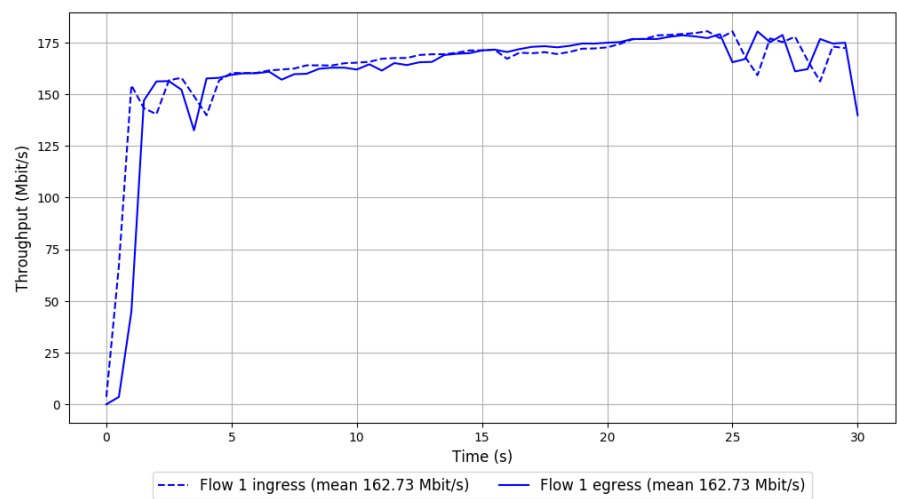
-- Flow 1:

Average throughput: 162.73 Mbit/s

95th percentile per-packet one-way delay: 51.180 ms

Loss rate: 0.36%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-26 11:28:05

End at: 2018-05-26 11:28:35

Local clock offset: 0.35 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-05-26 14:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.02 Mbit/s

95th percentile per-packet one-way delay: 58.840 ms

Loss rate: 0.36%

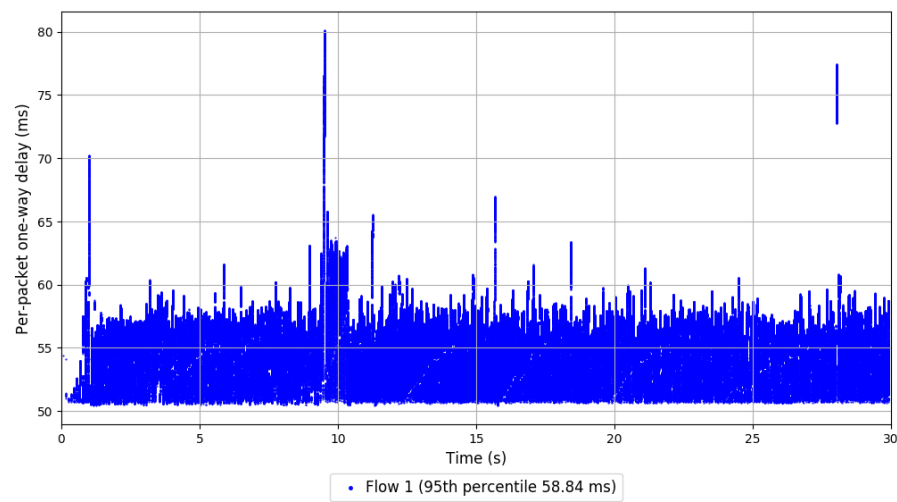
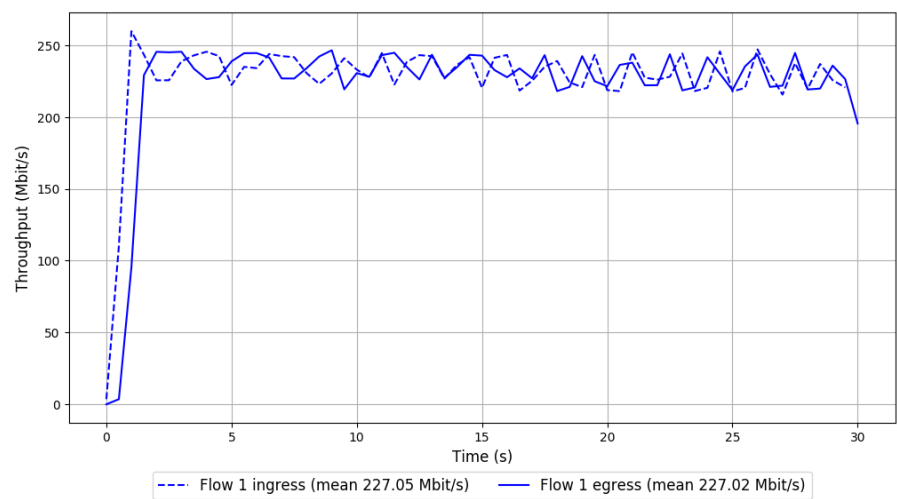
-- Flow 1:

Average throughput: 227.02 Mbit/s

95th percentile per-packet one-way delay: 58.840 ms

Loss rate: 0.36%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-26 11:48:49

End at: 2018-05-26 11:49:19

Local clock offset: 0.111 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2018-05-26 14:01:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.26 Mbit/s

95th percentile per-packet one-way delay: 51.231 ms

Loss rate: 0.38%

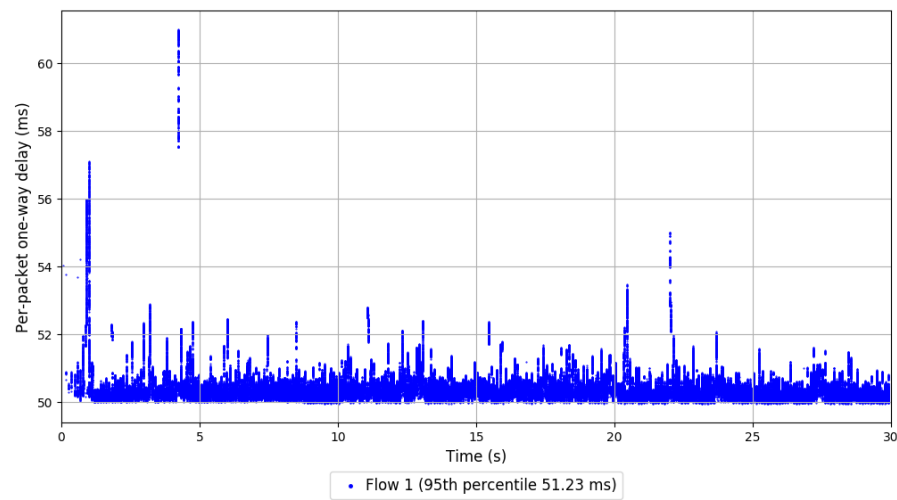
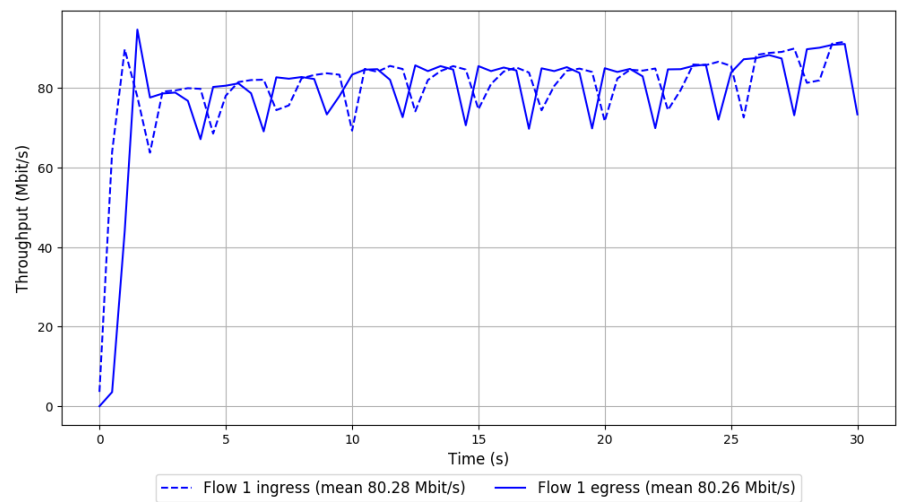
-- Flow 1:

Average throughput: 80.26 Mbit/s

95th percentile per-packet one-way delay: 51.231 ms

Loss rate: 0.38%

Run 8: Report of TCP Vegas — Data Link

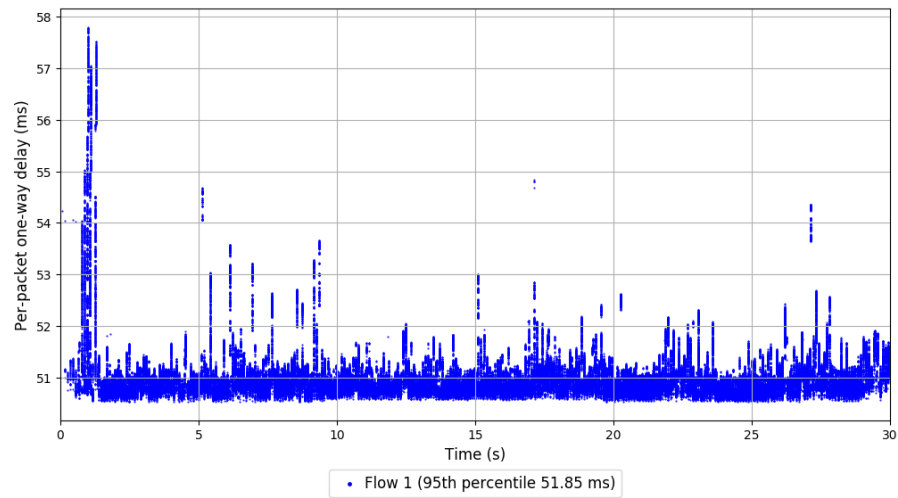
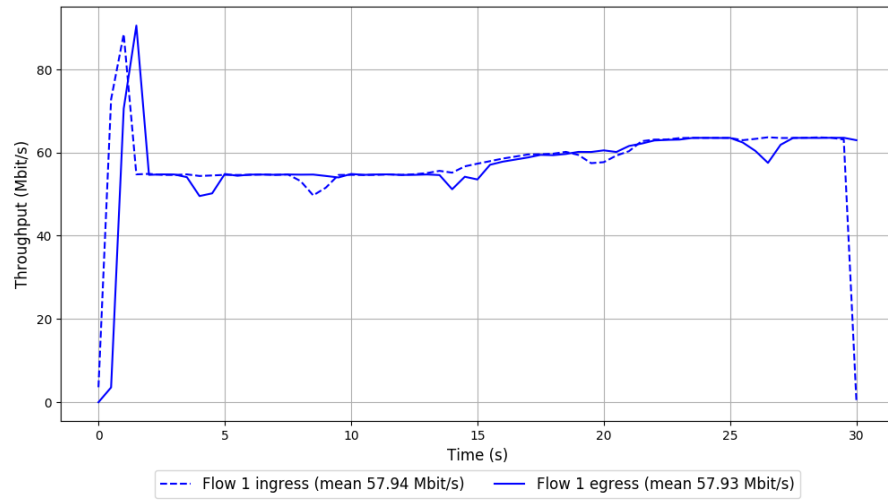


Run 9: Statistics of TCP Vegas

Start at: 2018-05-26 12:09:38
End at: 2018-05-26 12:10:08
Local clock offset: 0.284 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-05-26 14:01:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 51.851 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 51.851 ms
Loss rate: 0.36%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-26 12:29:56

End at: 2018-05-26 12:30:27

Local clock offset: 0.281 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-05-26 14:02:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.54 Mbit/s

95th percentile per-packet one-way delay: 58.448 ms

Loss rate: 0.36%

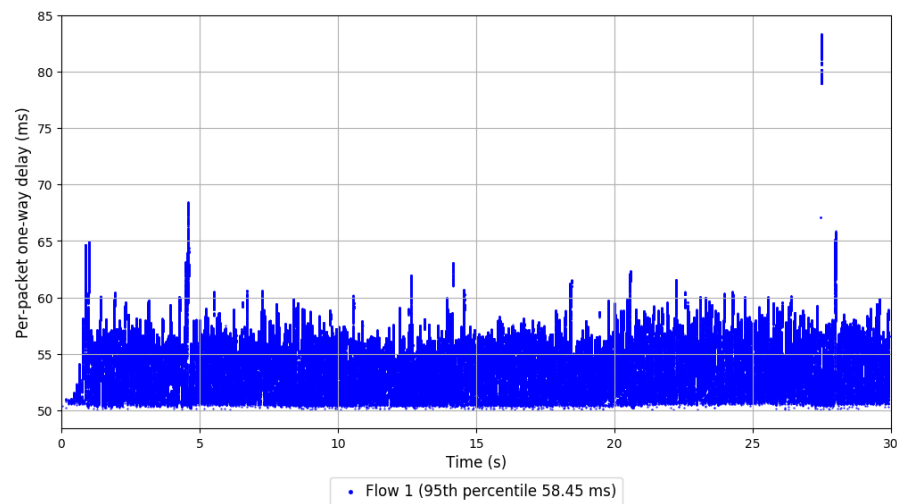
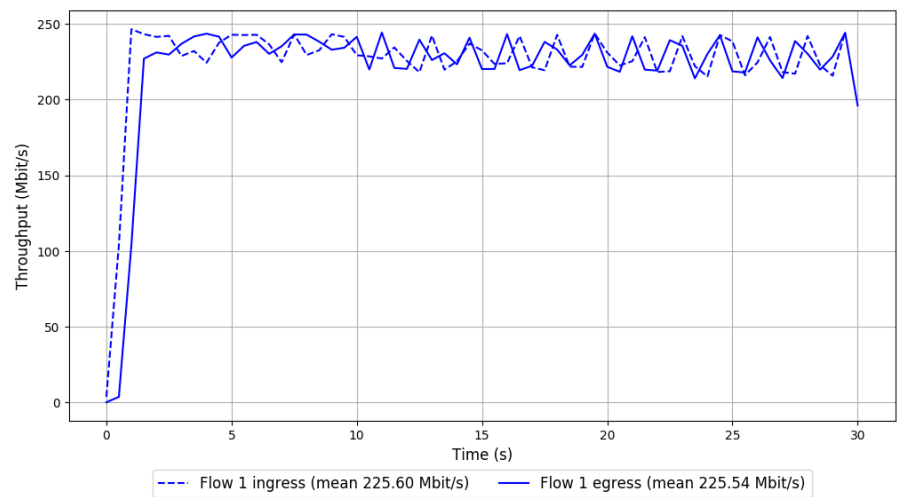
-- Flow 1:

Average throughput: 225.54 Mbit/s

95th percentile per-packet one-way delay: 58.448 ms

Loss rate: 0.36%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-26 09:22:55

End at: 2018-05-26 09:23:25

Local clock offset: 0.085 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-05-26 14:02:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.38 Mbit/s

95th percentile per-packet one-way delay: 108.148 ms

Loss rate: 2.13%

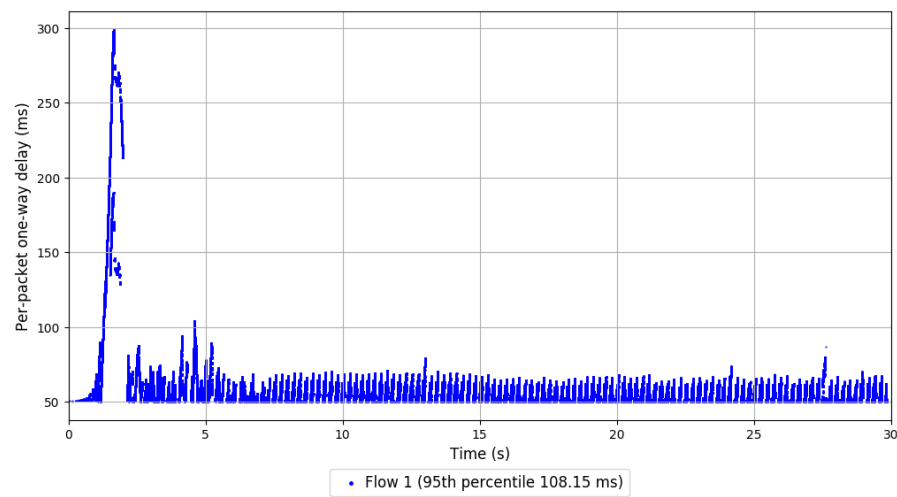
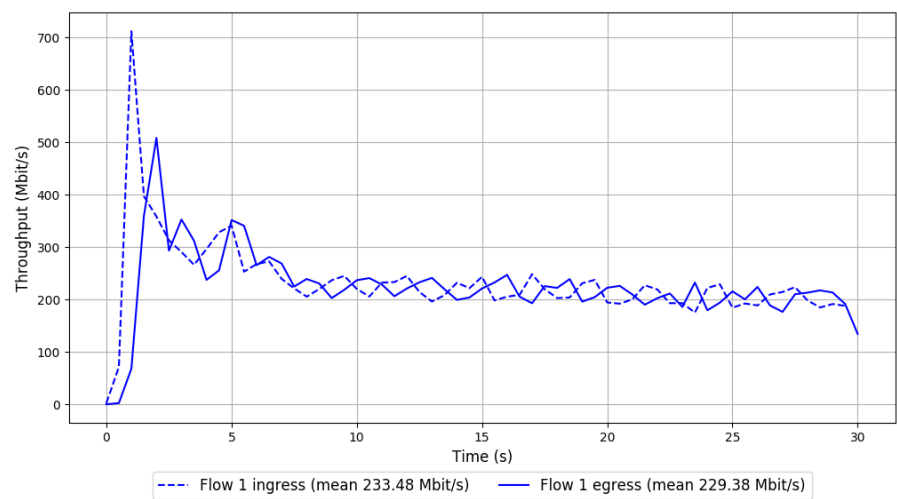
-- Flow 1:

Average throughput: 229.38 Mbit/s

95th percentile per-packet one-way delay: 108.148 ms

Loss rate: 2.13%

Run 1: Report of Verus — Data Link

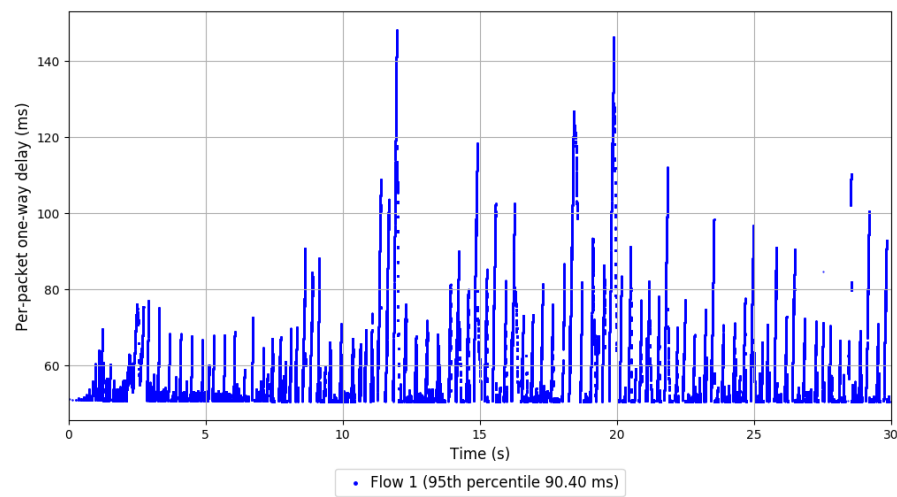
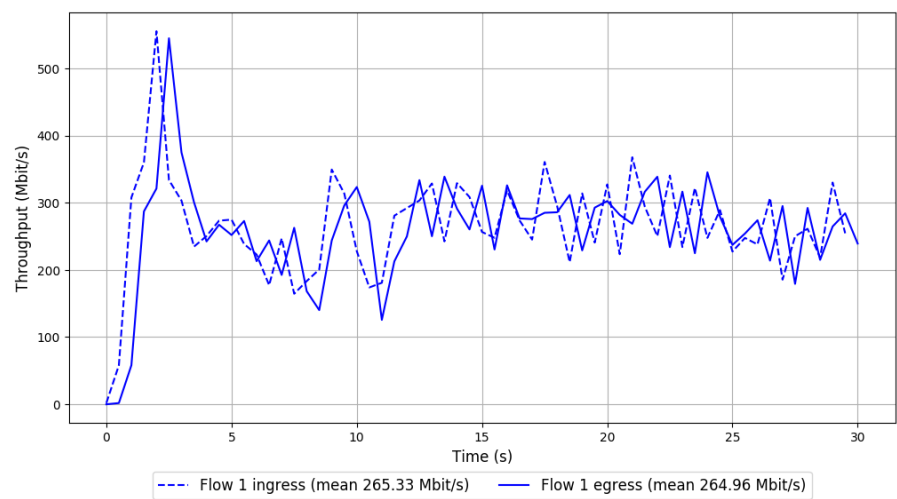


Run 2: Statistics of Verus

Start at: 2018-05-26 09:43:10
End at: 2018-05-26 09:43:40
Local clock offset: 0.374 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-05-26 14:03:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.96 Mbit/s
95th percentile per-packet one-way delay: 90.399 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 264.96 Mbit/s
95th percentile per-packet one-way delay: 90.399 ms
Loss rate: 0.38%

Run 2: Report of Verus — Data Link

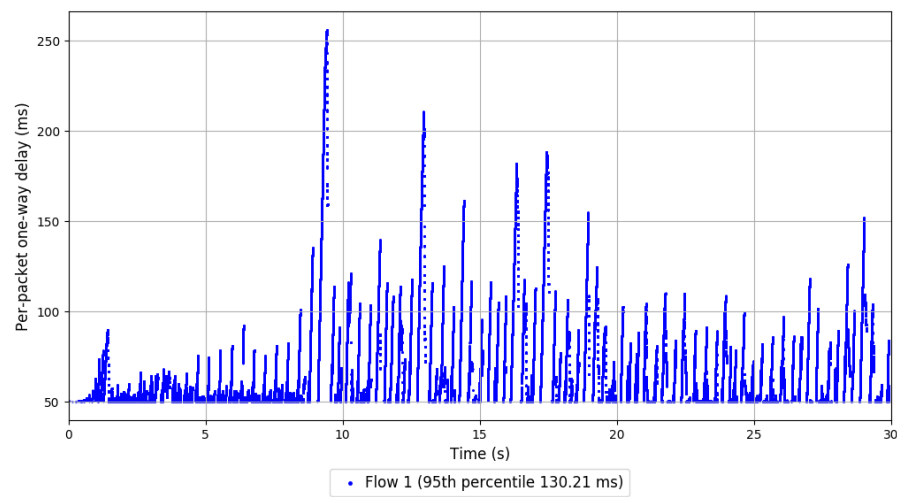
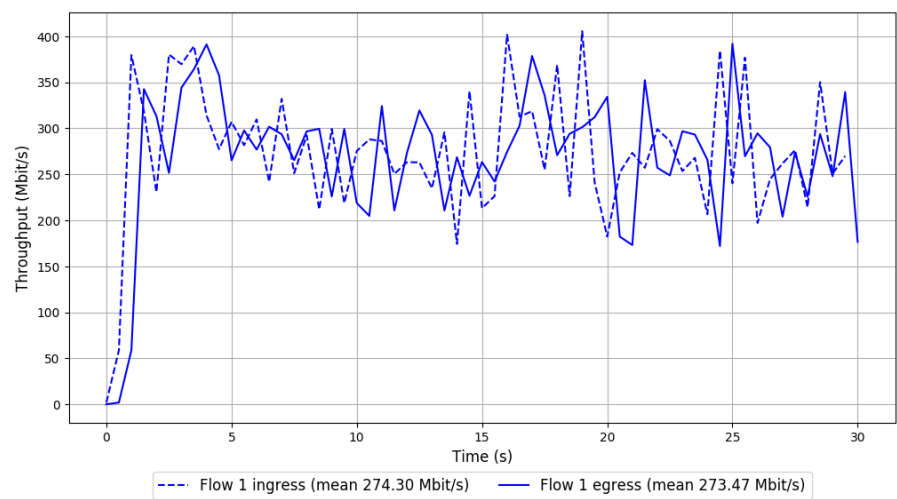


Run 3: Statistics of Verus

Start at: 2018-05-26 10:03:37
End at: 2018-05-26 10:04:07
Local clock offset: -0.009 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-05-26 14:04:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.47 Mbit/s
95th percentile per-packet one-way delay: 130.205 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 273.47 Mbit/s
95th percentile per-packet one-way delay: 130.205 ms
Loss rate: 0.65%

Run 3: Report of Verus — Data Link

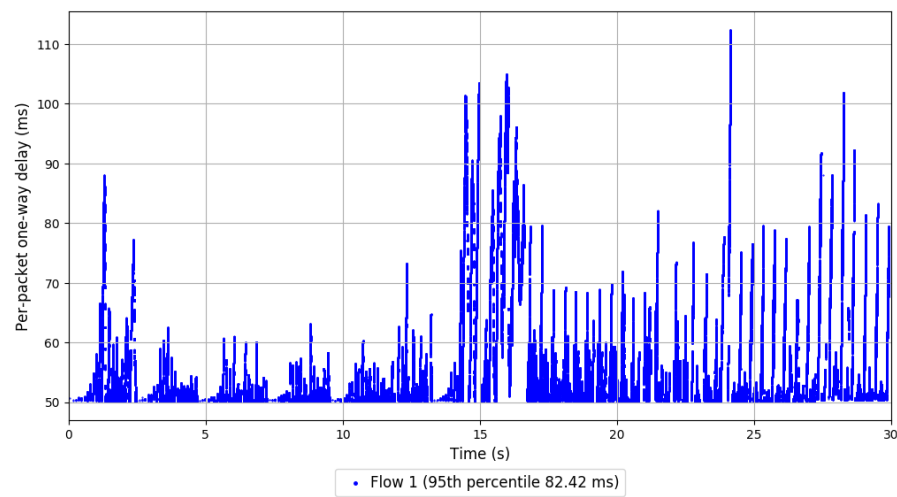
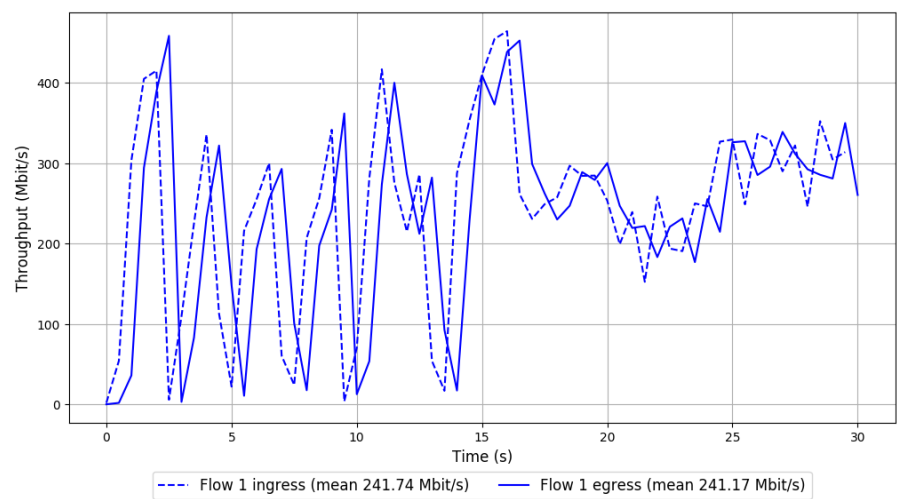


Run 4: Statistics of Verus

Start at: 2018-05-26 10:24:20
End at: 2018-05-26 10:24:50
Local clock offset: 0.136 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-05-26 14:04:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.17 Mbit/s
95th percentile per-packet one-way delay: 82.417 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 241.17 Mbit/s
95th percentile per-packet one-way delay: 82.417 ms
Loss rate: 0.58%

Run 4: Report of Verus — Data Link

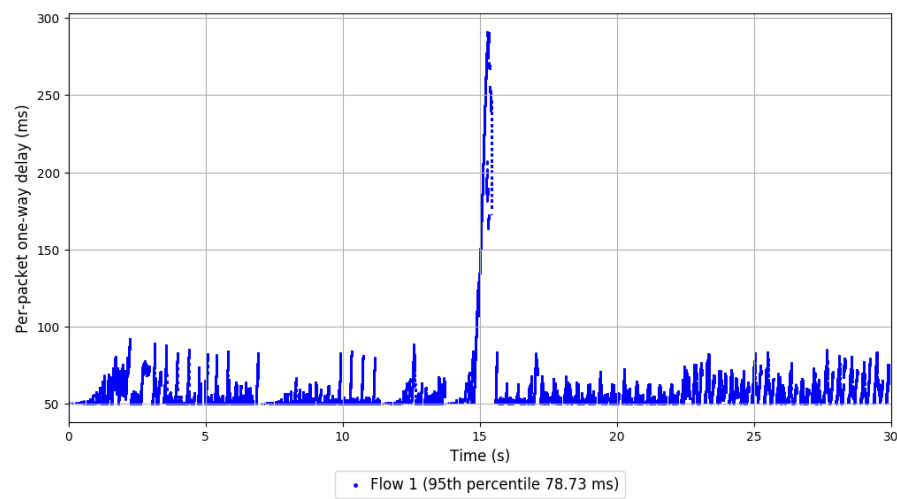
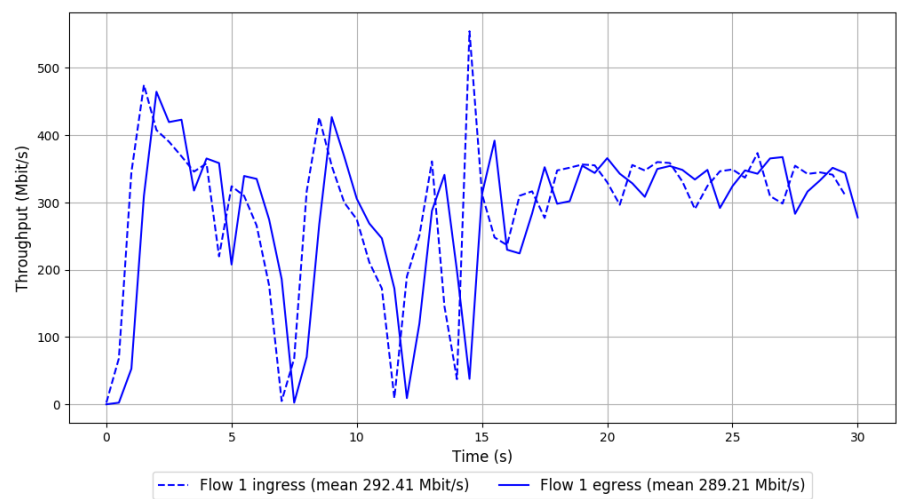


Run 5: Statistics of Verus

Start at: 2018-05-26 10:44:44
End at: 2018-05-26 10:45:14
Local clock offset: 0.339 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-26 14:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.21 Mbit/s
95th percentile per-packet one-way delay: 78.727 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 289.21 Mbit/s
95th percentile per-packet one-way delay: 78.727 ms
Loss rate: 1.42%

Run 5: Report of Verus — Data Link

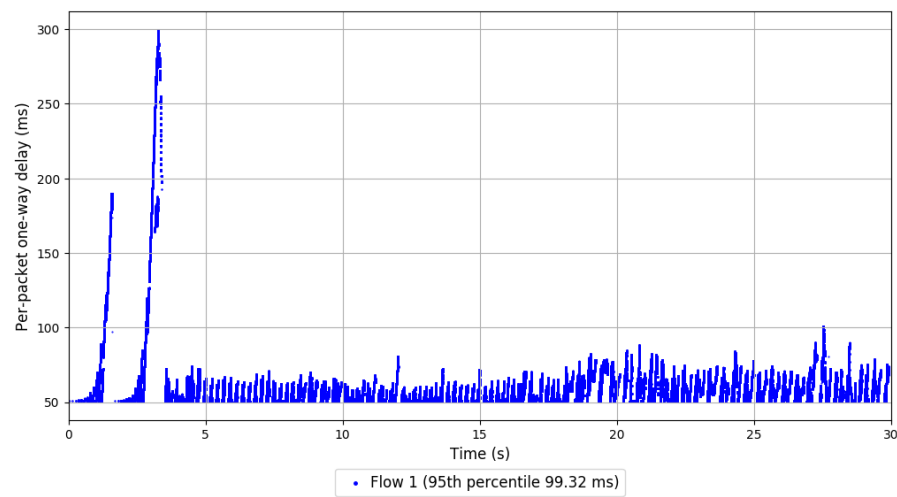
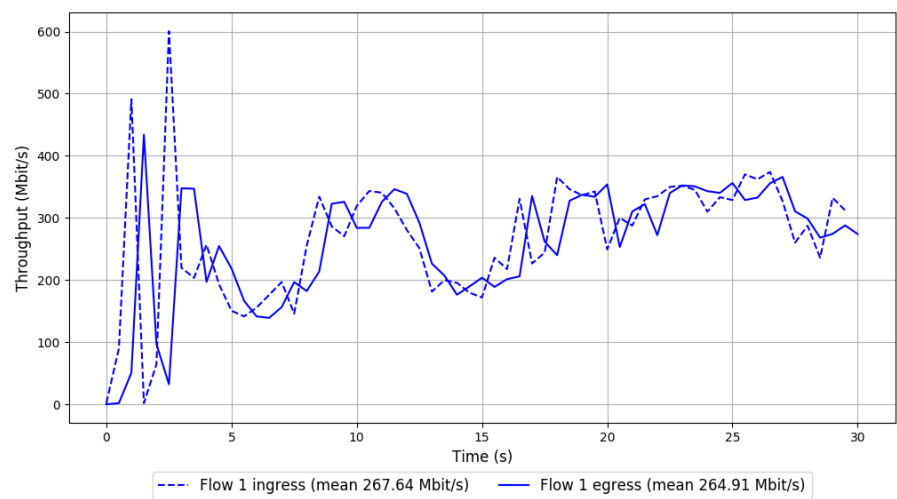


Run 6: Statistics of Verus

Start at: 2018-05-26 11:05:05
End at: 2018-05-26 11:05:35
Local clock offset: 0.162 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-05-26 14:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.91 Mbit/s
95th percentile per-packet one-way delay: 99.322 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 264.91 Mbit/s
95th percentile per-packet one-way delay: 99.322 ms
Loss rate: 1.36%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-26 11:25:33

End at: 2018-05-26 11:26:03

Local clock offset: 0.03 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-05-26 14:06:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.36 Mbit/s

95th percentile per-packet one-way delay: 102.143 ms

Loss rate: 1.24%

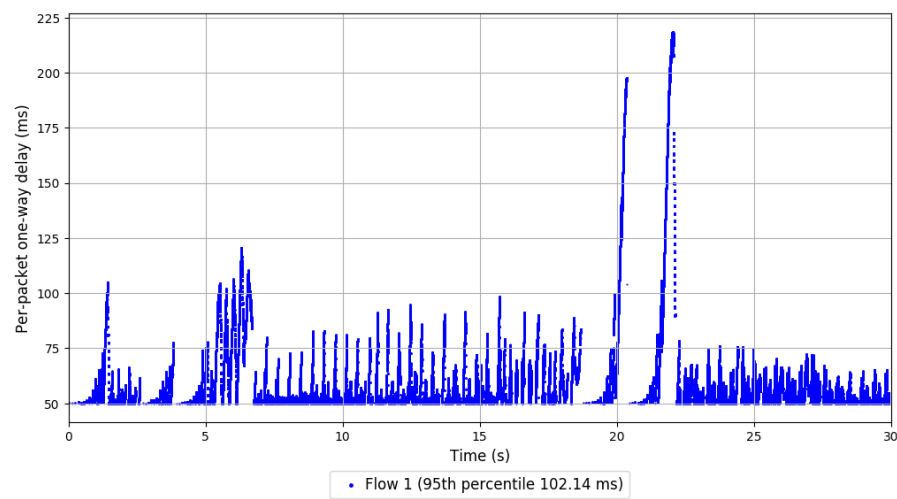
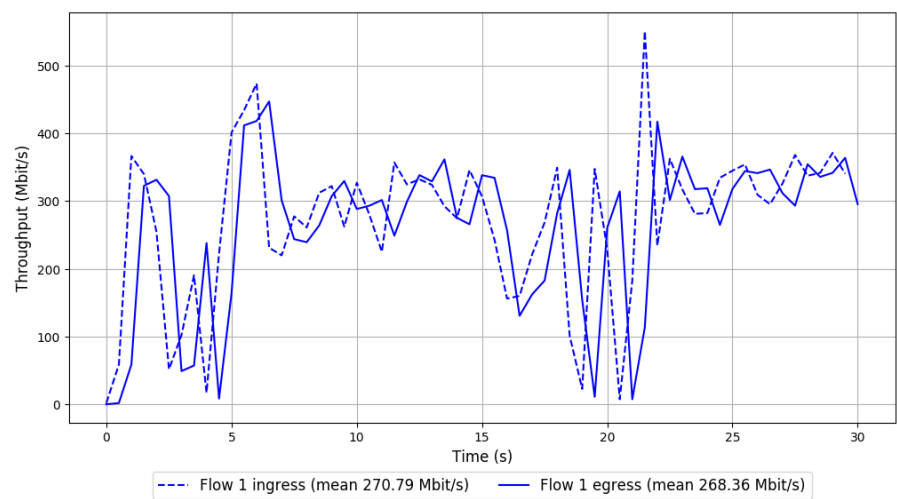
-- Flow 1:

Average throughput: 268.36 Mbit/s

95th percentile per-packet one-way delay: 102.143 ms

Loss rate: 1.24%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-26 11:46:16

End at: 2018-05-26 11:46:46

Local clock offset: 0.234 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-05-26 14:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.38 Mbit/s

95th percentile per-packet one-way delay: 164.064 ms

Loss rate: 1.18%

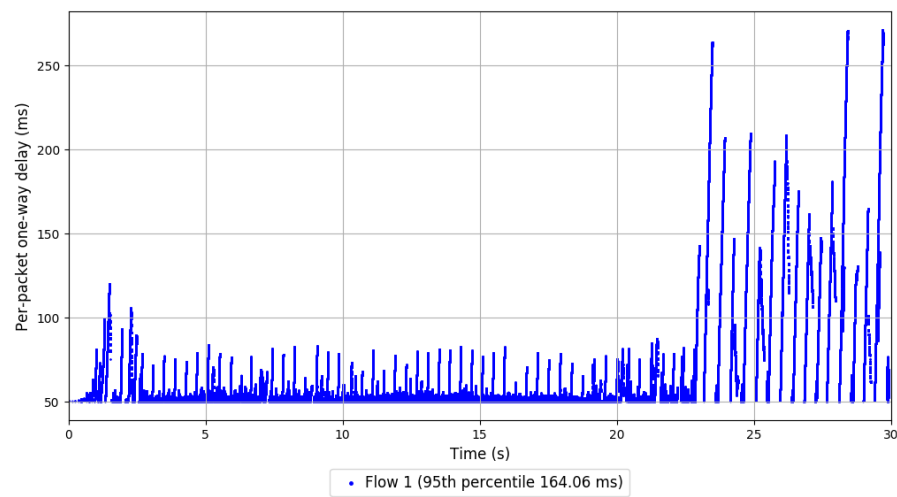
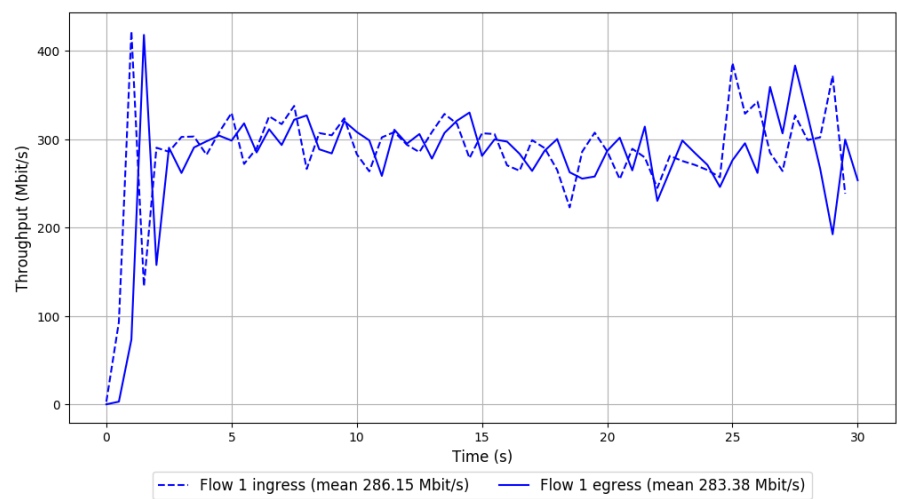
-- Flow 1:

Average throughput: 283.38 Mbit/s

95th percentile per-packet one-way delay: 164.064 ms

Loss rate: 1.18%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-26 12:07:09

End at: 2018-05-26 12:07:39

Local clock offset: -0.193 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-05-26 14:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.61 Mbit/s

95th percentile per-packet one-way delay: 78.112 ms

Loss rate: 0.39%

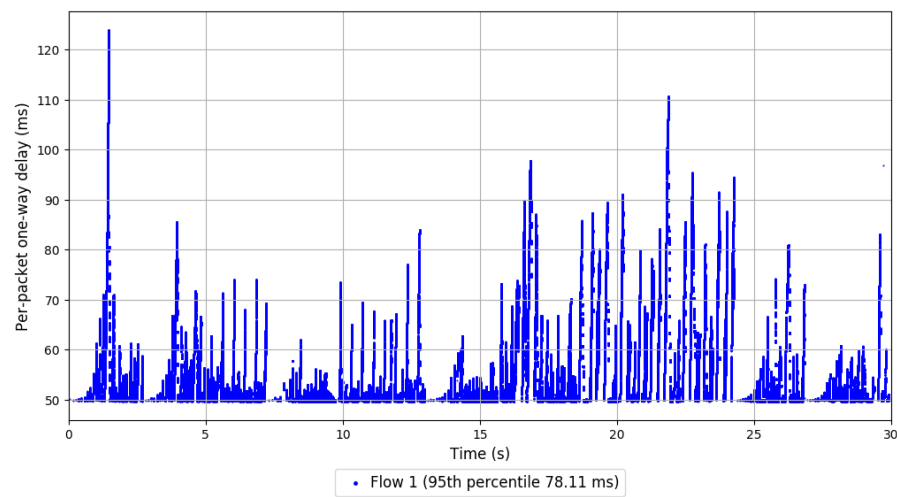
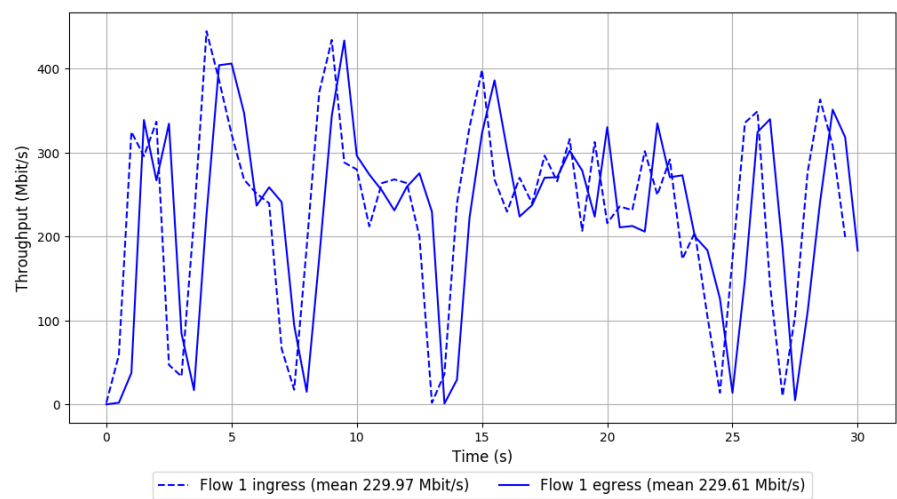
-- Flow 1:

Average throughput: 229.61 Mbit/s

95th percentile per-packet one-way delay: 78.112 ms

Loss rate: 0.39%

Run 9: Report of Verus — Data Link

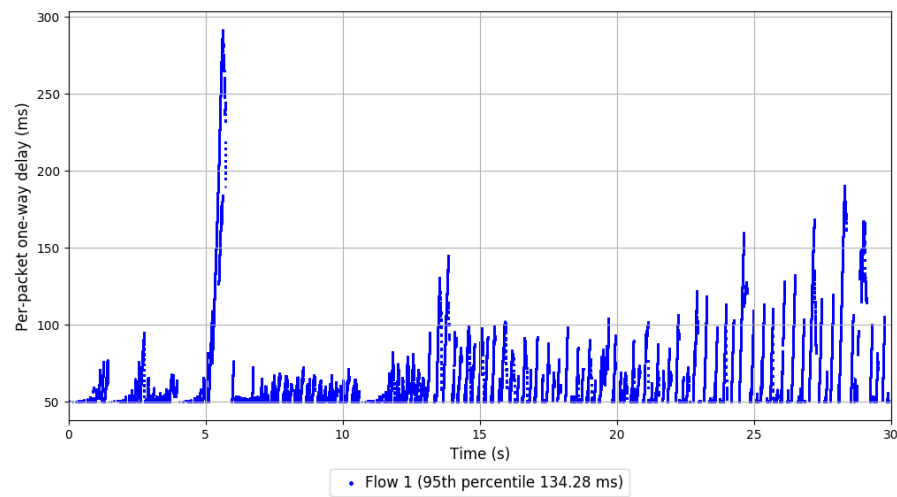
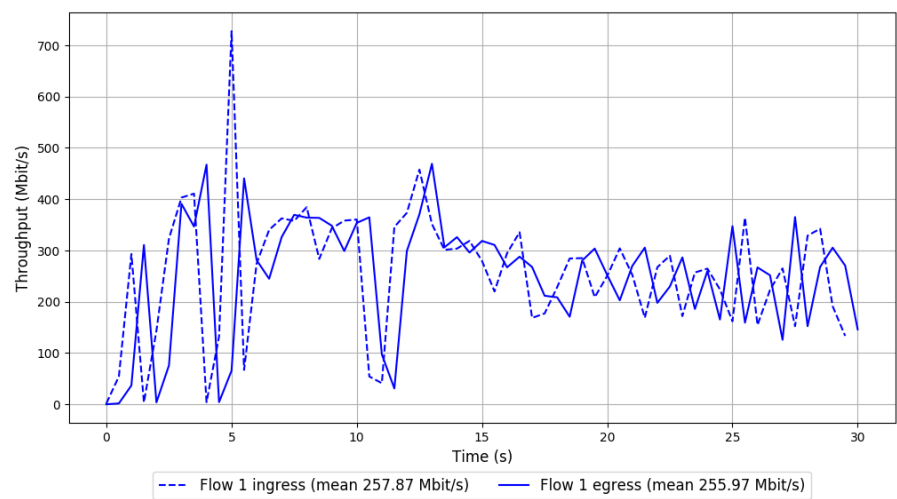


Run 10: Statistics of Verus

Start at: 2018-05-26 12:27:26
End at: 2018-05-26 12:27:56
Local clock offset: -0.14 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-05-26 14:07:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.97 Mbit/s
95th percentile per-packet one-way delay: 134.283 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 255.97 Mbit/s
95th percentile per-packet one-way delay: 134.283 ms
Loss rate: 0.86%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-26 09:13:26

End at: 2018-05-26 09:13:56

Local clock offset: 0.046 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-05-26 14:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 417.03 Mbit/s

95th percentile per-packet one-way delay: 57.952 ms

Loss rate: 0.31%

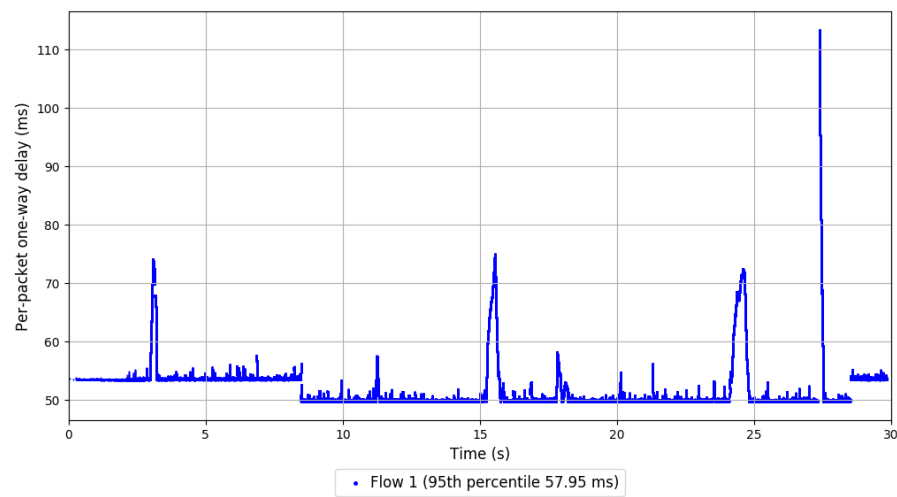
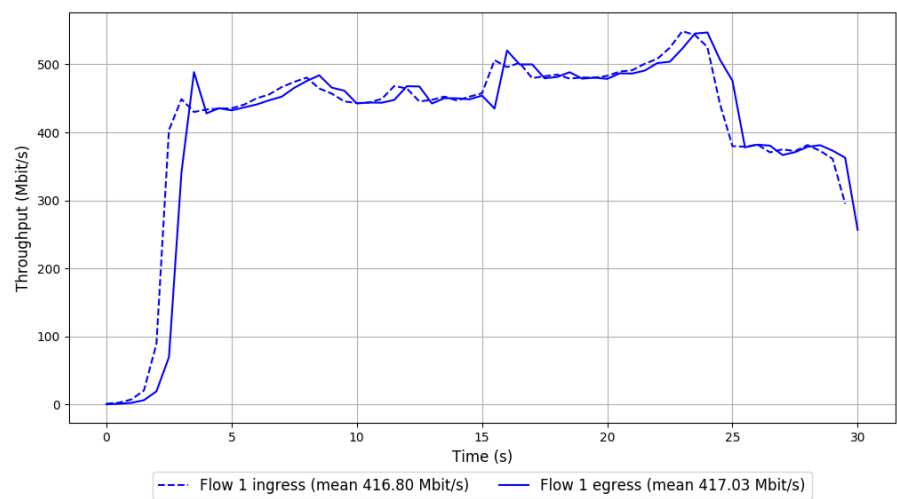
-- Flow 1:

Average throughput: 417.03 Mbit/s

95th percentile per-packet one-way delay: 57.952 ms

Loss rate: 0.31%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-26 09:33:44

End at: 2018-05-26 09:34:14

Local clock offset: -0.277 ms

Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-26 14:11:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.54 Mbit/s

95th percentile per-packet one-way delay: 57.325 ms

Loss rate: 0.47%

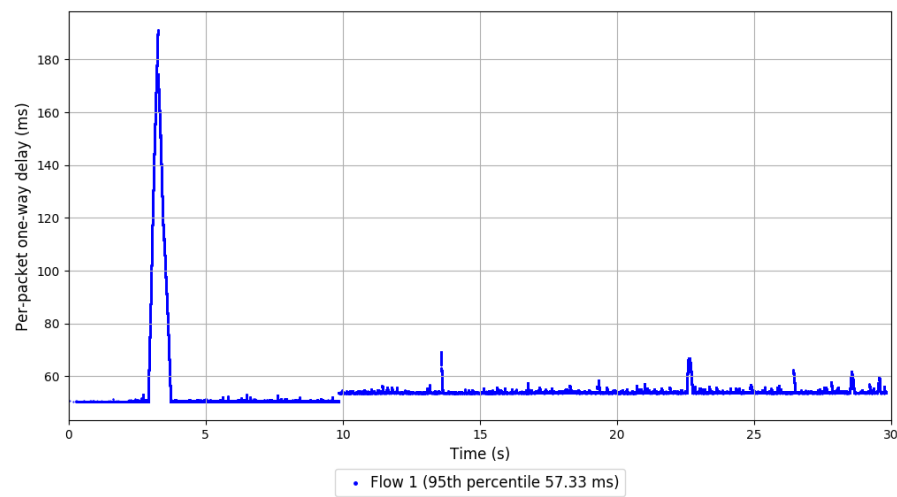
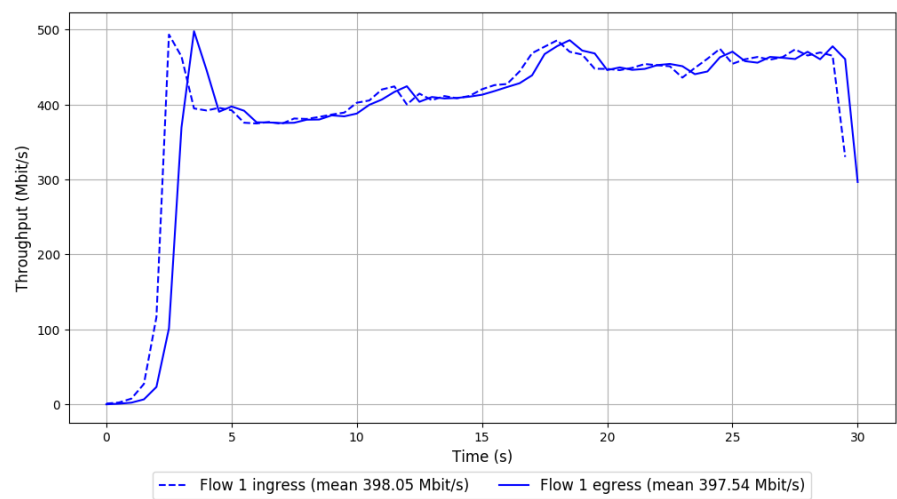
-- Flow 1:

Average throughput: 397.54 Mbit/s

95th percentile per-packet one-way delay: 57.325 ms

Loss rate: 0.47%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-26 09:54:28

End at: 2018-05-26 09:54:58

Local clock offset: -0.185 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-05-26 14:12:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.56 Mbit/s

95th percentile per-packet one-way delay: 54.601 ms

Loss rate: 0.42%

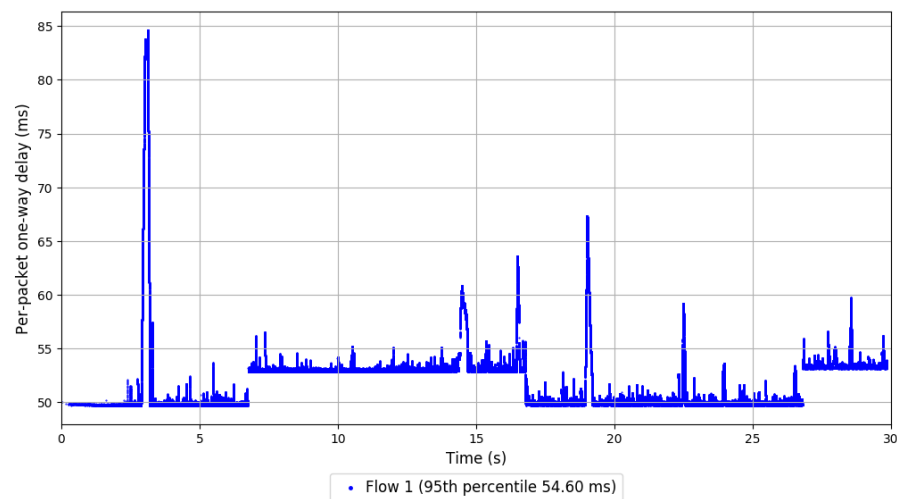
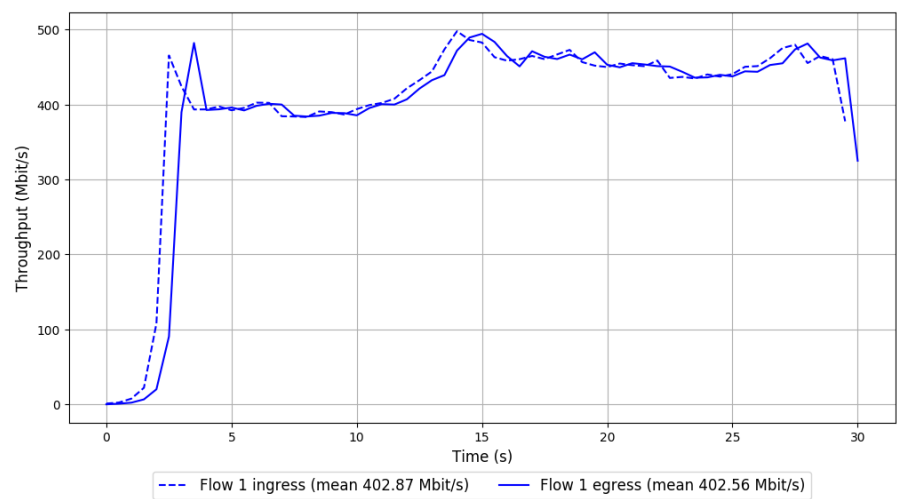
-- Flow 1:

Average throughput: 402.56 Mbit/s

95th percentile per-packet one-way delay: 54.601 ms

Loss rate: 0.42%

Run 3: Report of PCC-Vivace — Data Link

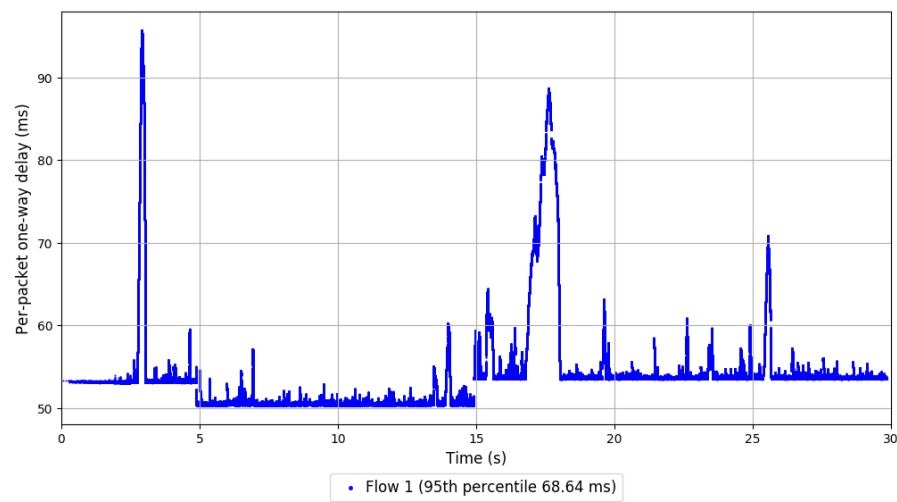
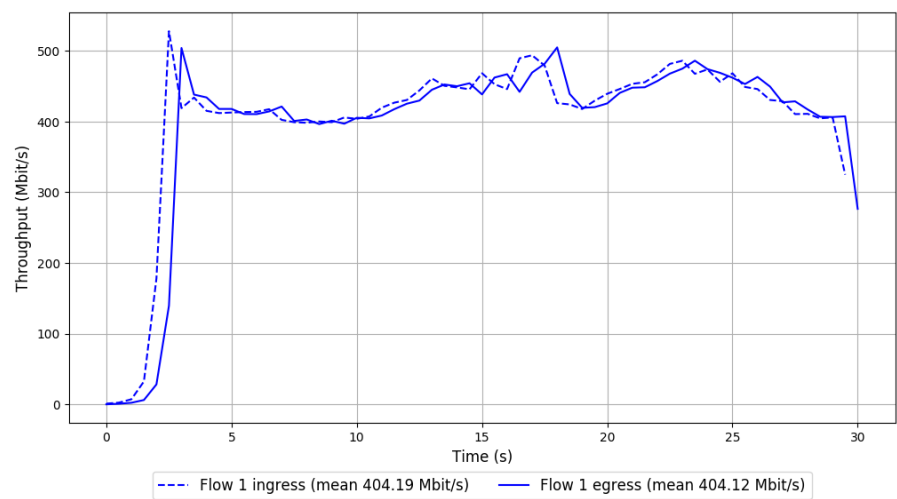


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-26 10:14:49
End at: 2018-05-26 10:15:19
Local clock offset: -0.124 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-26 14:12:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 404.12 Mbit/s
95th percentile per-packet one-way delay: 68.645 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 404.12 Mbit/s
95th percentile per-packet one-way delay: 68.645 ms
Loss rate: 0.38%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-26 10:35:35

End at: 2018-05-26 10:36:05

Local clock offset: -0.013 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-05-26 14:14:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.22 Mbit/s

95th percentile per-packet one-way delay: 54.727 ms

Loss rate: 0.39%

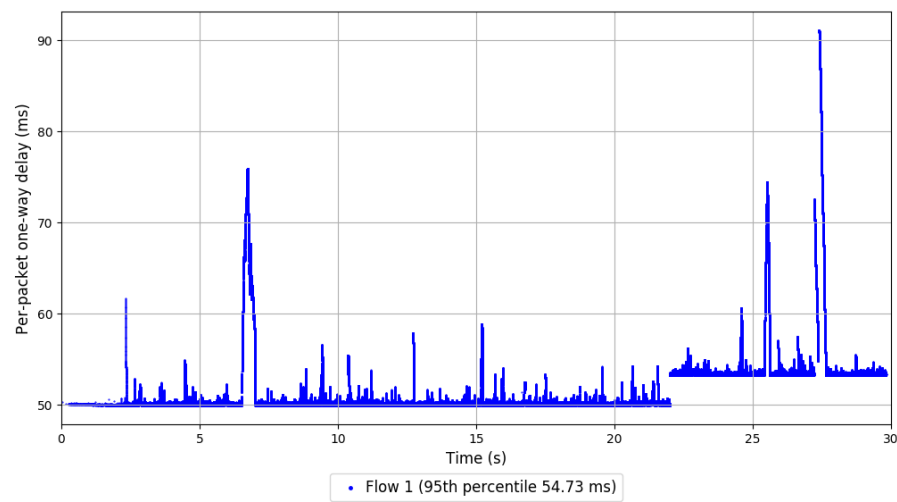
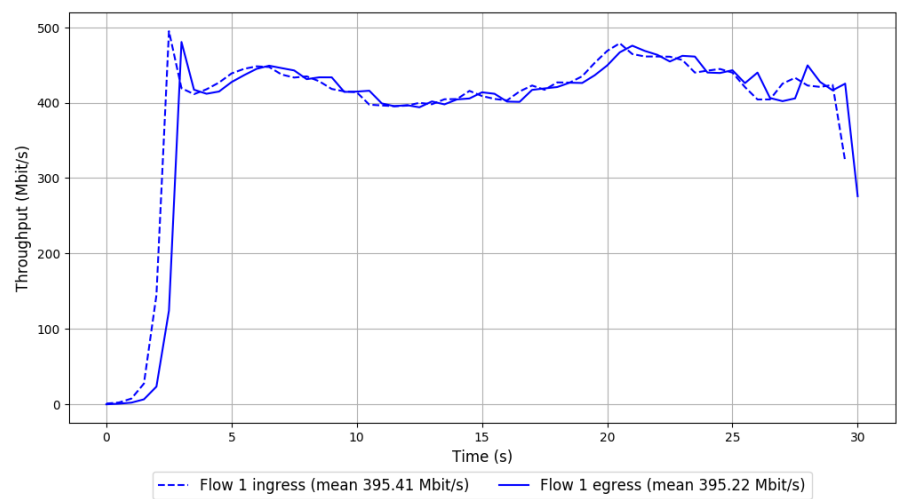
-- Flow 1:

Average throughput: 395.22 Mbit/s

95th percentile per-packet one-way delay: 54.727 ms

Loss rate: 0.39%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-26 10:55:49

End at: 2018-05-26 10:56:19

Local clock offset: 0.157 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-05-26 14:14:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.56 Mbit/s

95th percentile per-packet one-way delay: 55.297 ms

Loss rate: 0.36%

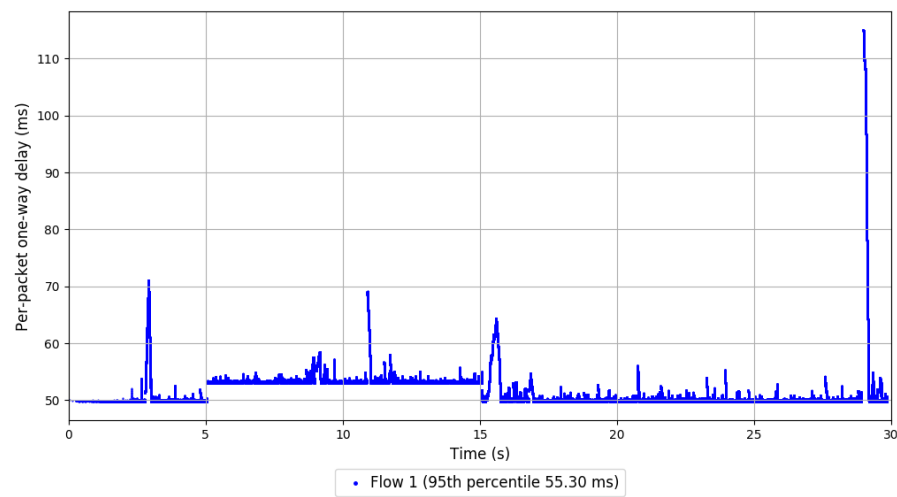
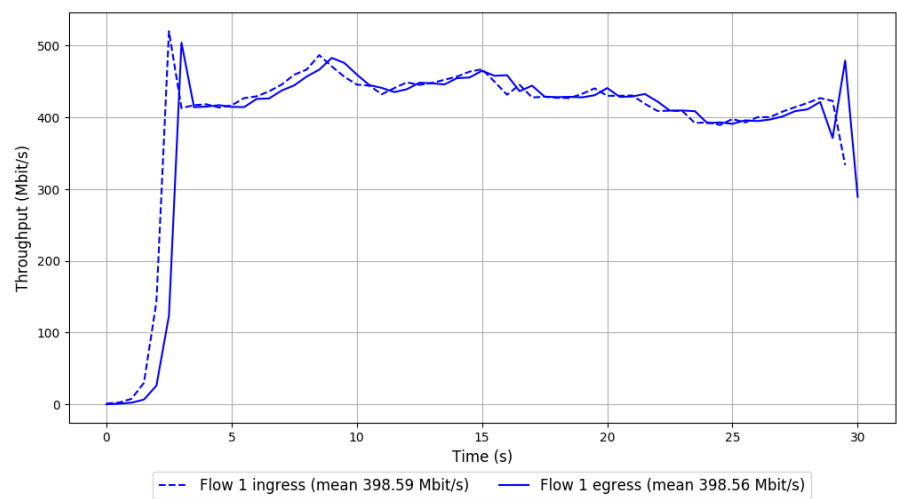
-- Flow 1:

Average throughput: 398.56 Mbit/s

95th percentile per-packet one-way delay: 55.297 ms

Loss rate: 0.36%

Run 6: Report of PCC-Vivace — Data Link

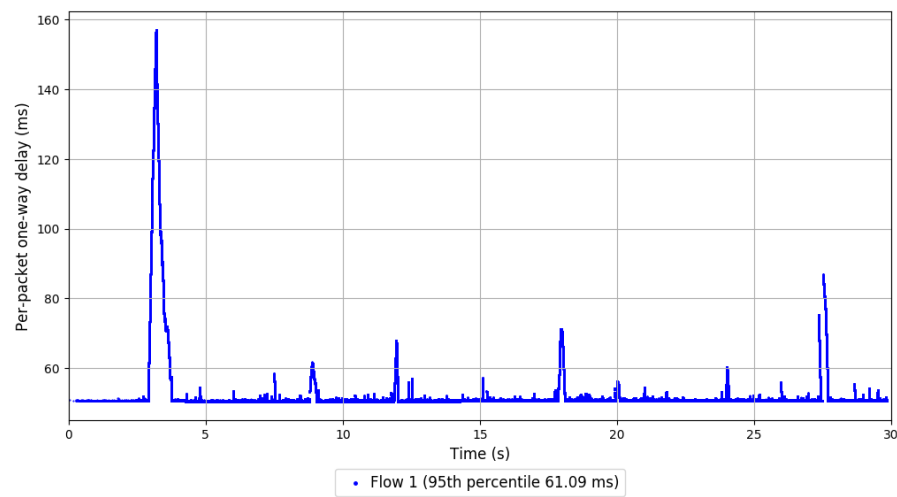
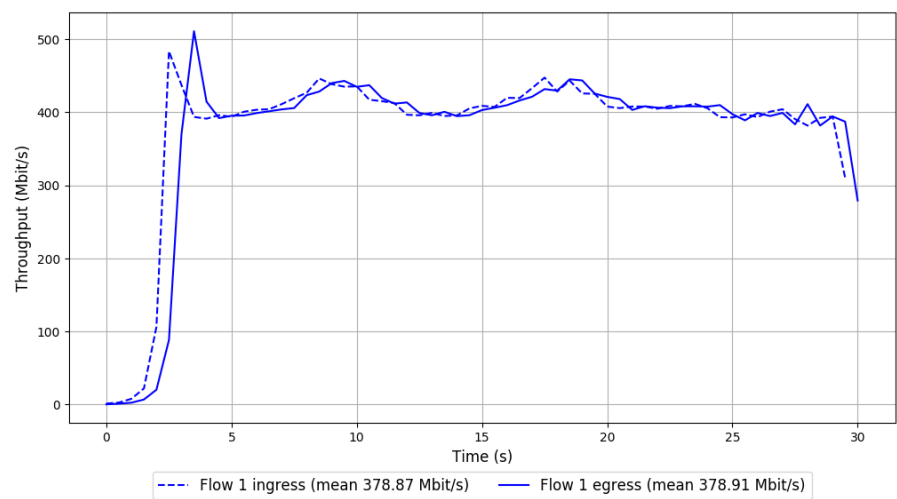


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-26 11:16:23
End at: 2018-05-26 11:16:53
Local clock offset: 0.04 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-05-26 14:14:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.91 Mbit/s
95th percentile per-packet one-way delay: 61.095 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 378.91 Mbit/s
95th percentile per-packet one-way delay: 61.095 ms
Loss rate: 0.34%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-26 11:36:44

End at: 2018-05-26 11:37:14

Local clock offset: 0.207 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2018-05-26 14:14:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.73 Mbit/s

95th percentile per-packet one-way delay: 58.984 ms

Loss rate: 0.24%

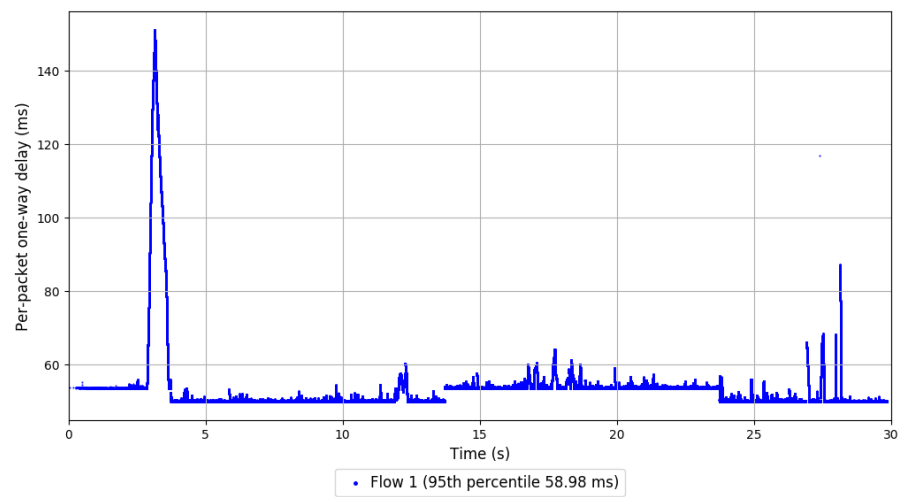
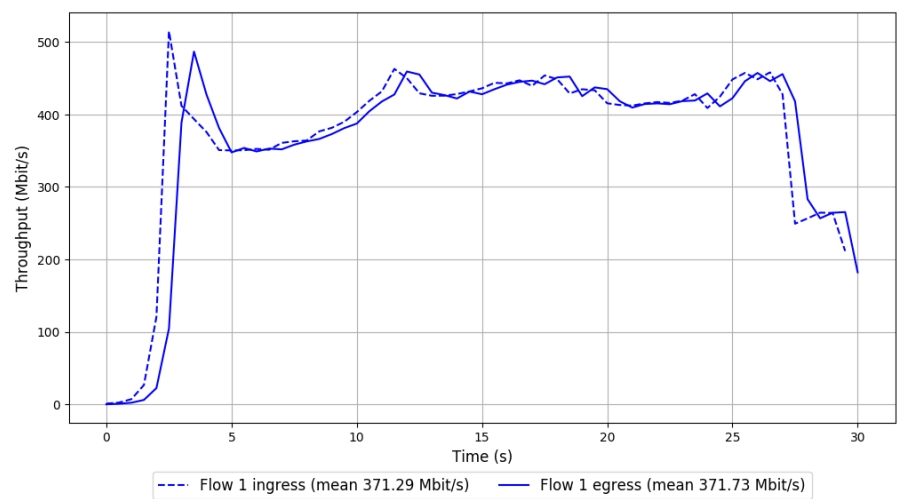
-- Flow 1:

Average throughput: 371.73 Mbit/s

95th percentile per-packet one-way delay: 58.984 ms

Loss rate: 0.24%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-26 11:57:50

End at: 2018-05-26 11:58:20

Local clock offset: 0.112 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-05-26 14:15:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.59 Mbit/s

95th percentile per-packet one-way delay: 64.645 ms

Loss rate: 1.16%

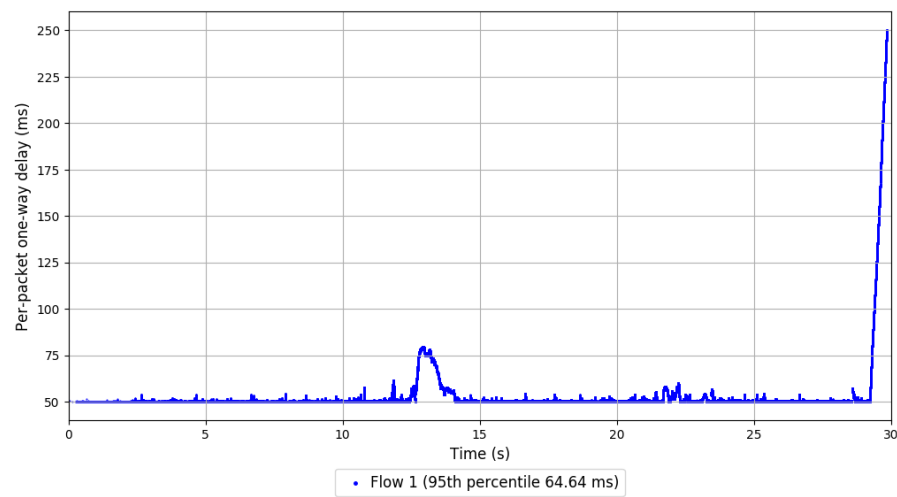
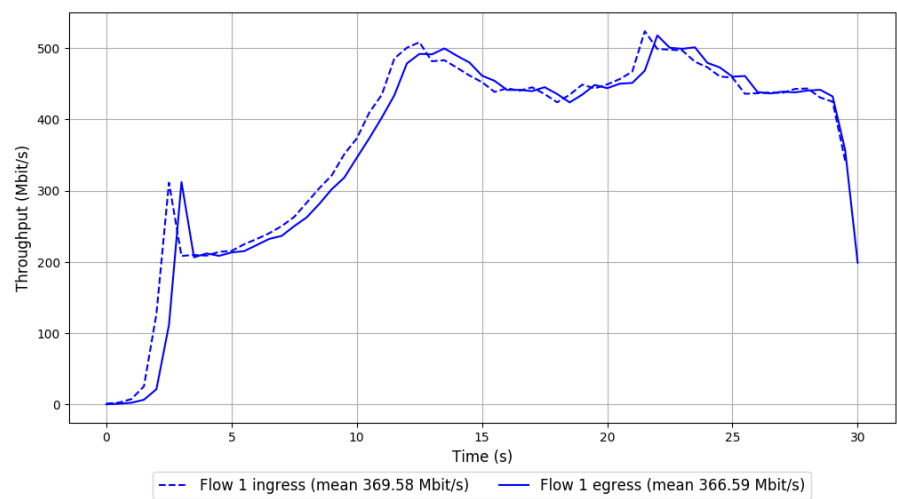
-- Flow 1:

Average throughput: 366.59 Mbit/s

95th percentile per-packet one-way delay: 64.645 ms

Loss rate: 1.16%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-26 12:18:09

End at: 2018-05-26 12:18:39

Local clock offset: 0.221 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-05-26 14:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.69 Mbit/s

95th percentile per-packet one-way delay: 109.247 ms

Loss rate: 0.66%

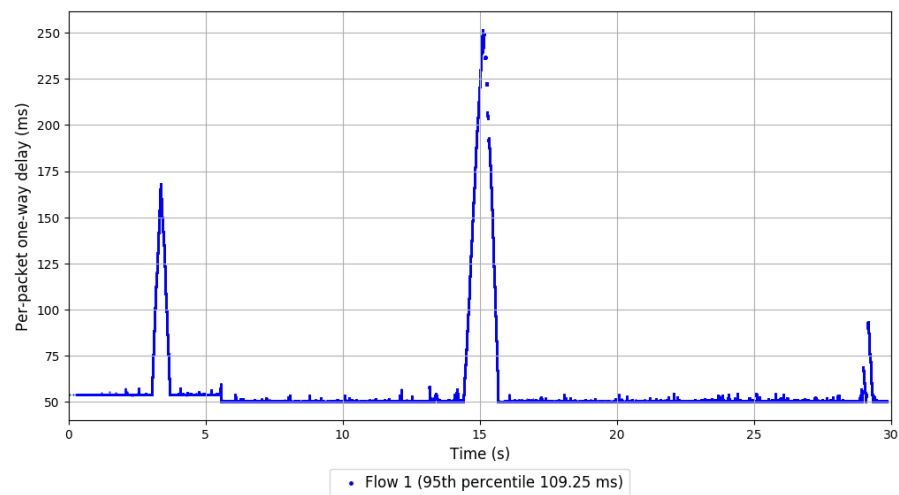
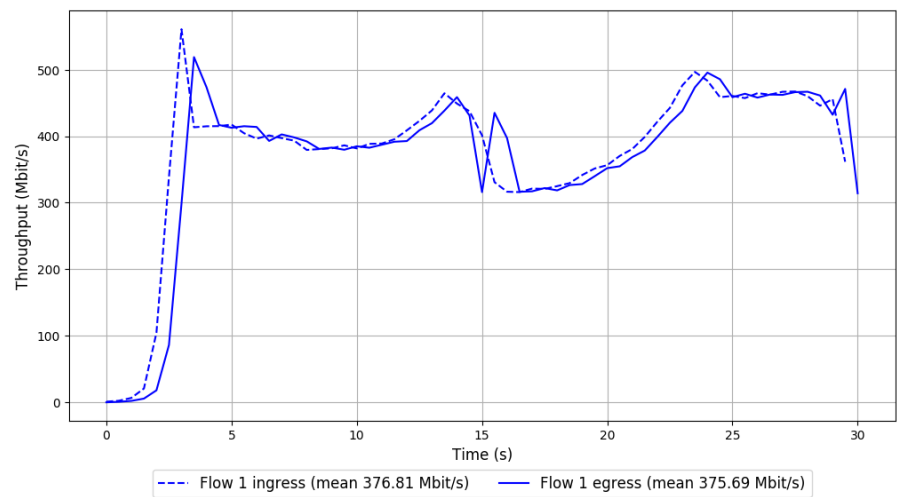
-- Flow 1:

Average throughput: 375.69 Mbit/s

95th percentile per-packet one-way delay: 109.247 ms

Loss rate: 0.66%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

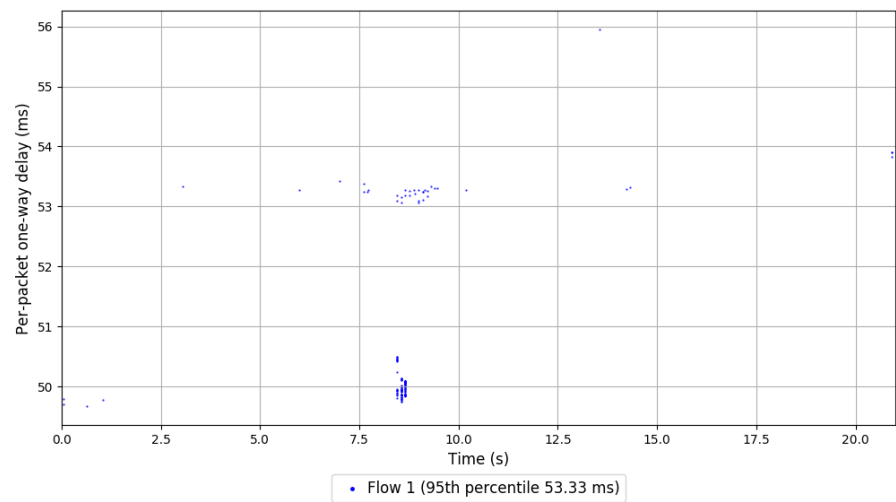
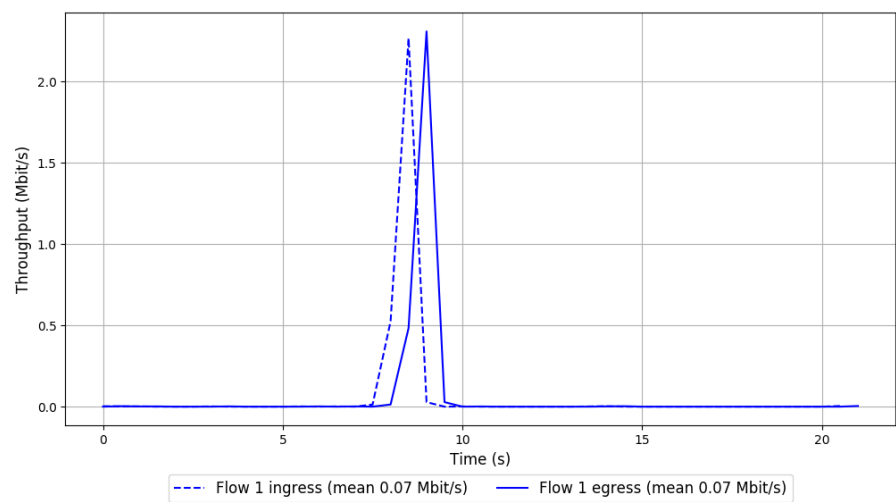
Start at: 2018-05-26 09:18:45

End at: 2018-05-26 09:19:15

Local clock offset: -0.236 ms

Remote clock offset: 0.258 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-26 09:39:01

End at: 2018-05-26 09:39:31

Local clock offset: 0.036 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-05-26 14:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.579 ms

Loss rate: 0.00%

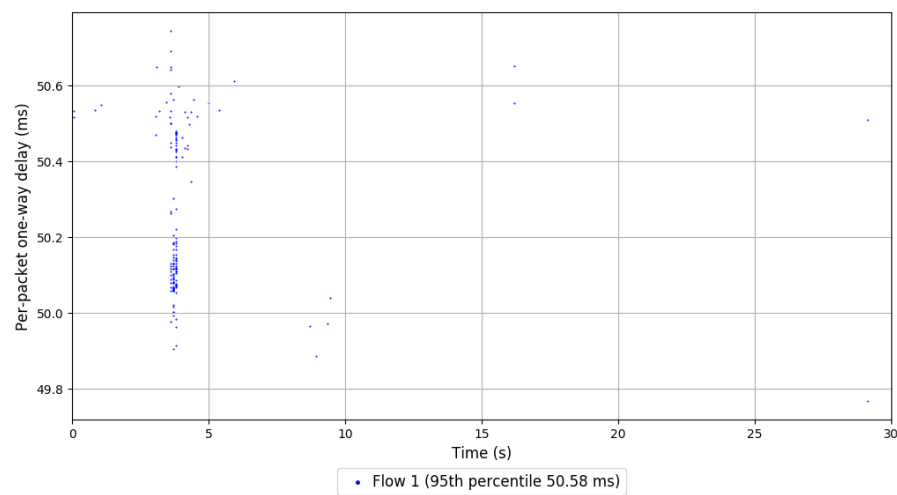
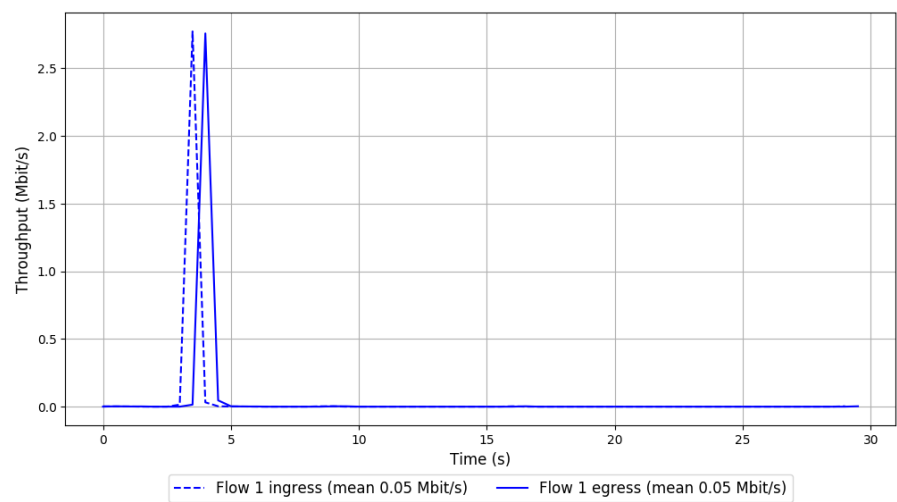
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.579 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

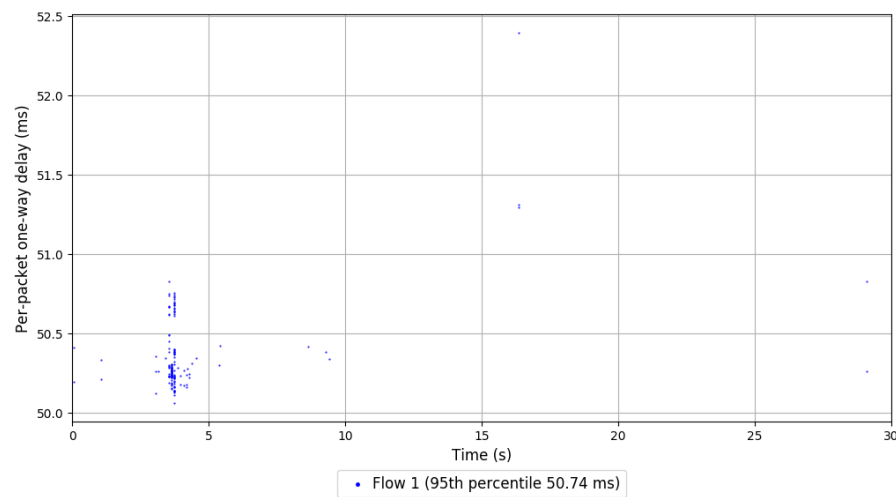
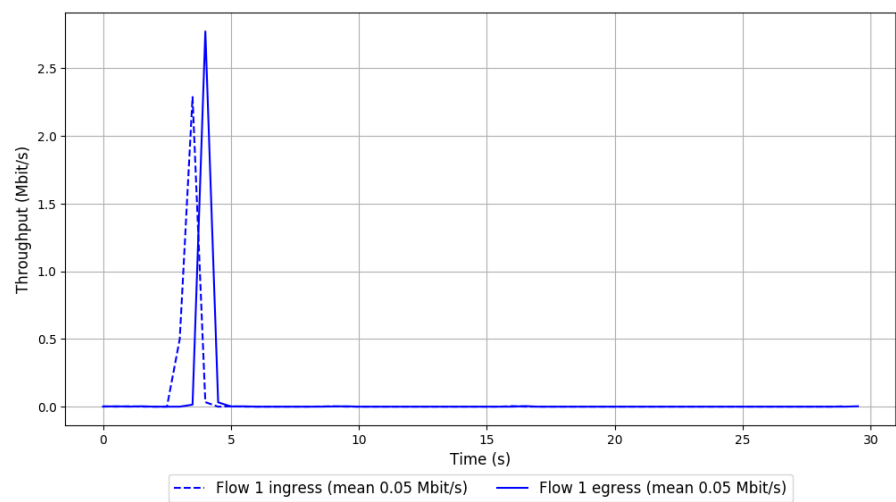


Run 3: Statistics of WebRTC media

Start at: 2018-05-26 09:59:45
End at: 2018-05-26 10:00:15
Local clock offset: 0.053 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-05-26 14:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-26 10:20:09

End at: 2018-05-26 10:20:39

Local clock offset: 0.269 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-05-26 14:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.720 ms

Loss rate: 0.00%

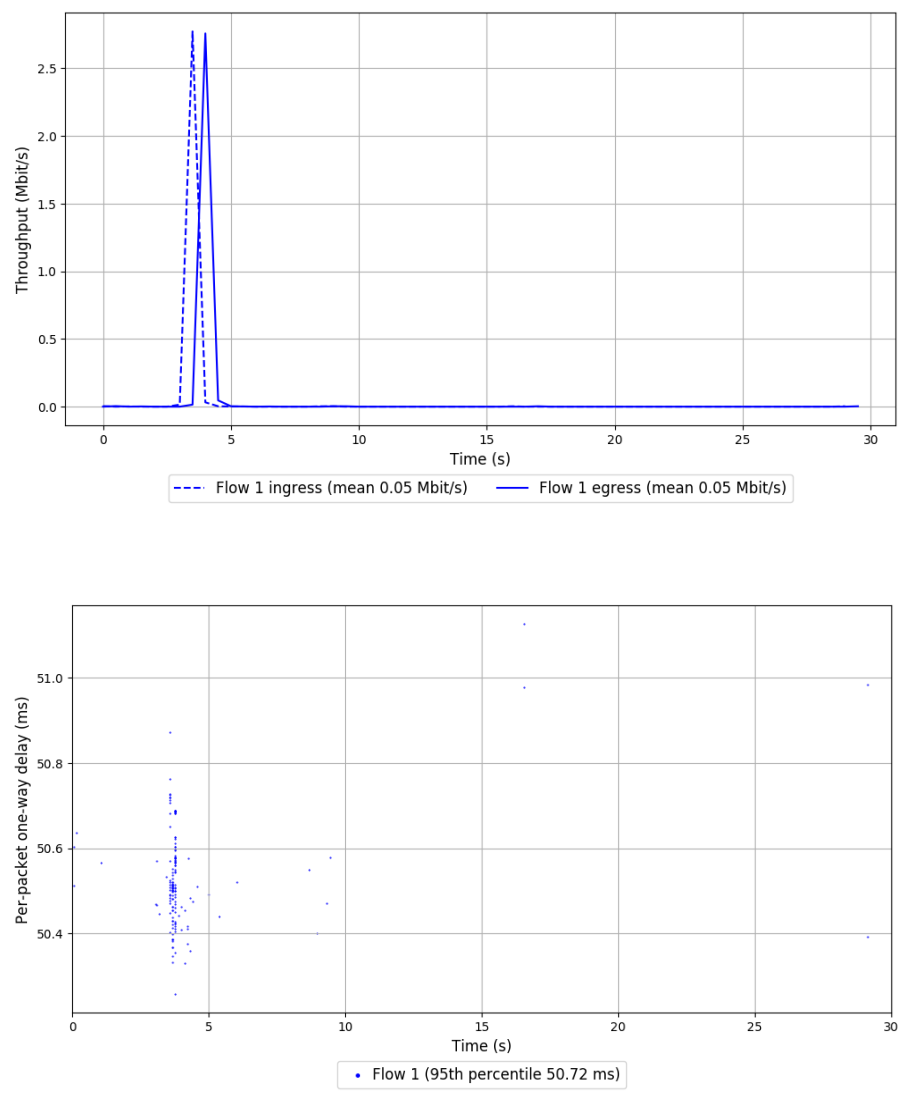
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.720 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

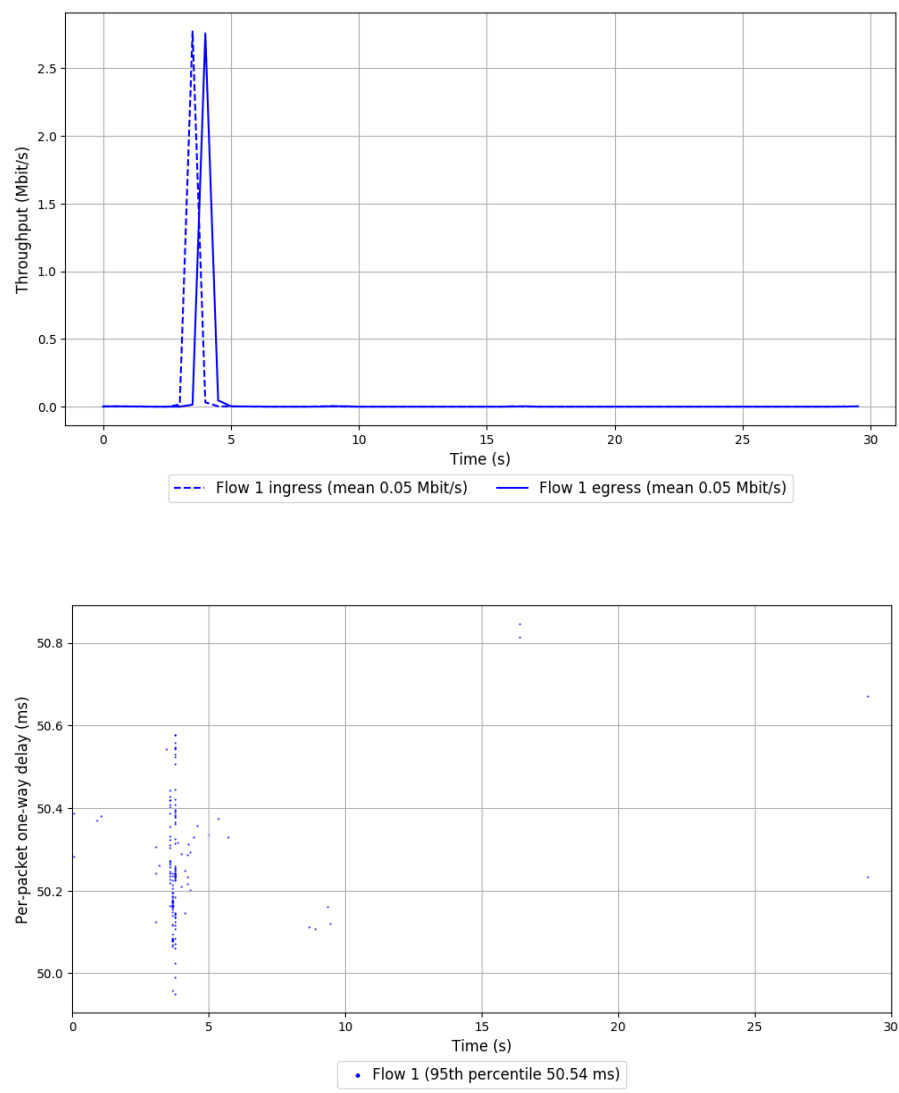


Run 5: Statistics of WebRTC media

Start at: 2018-05-26 10:40:51
End at: 2018-05-26 10:41:21
Local clock offset: -0.002 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-05-26 14:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.542 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

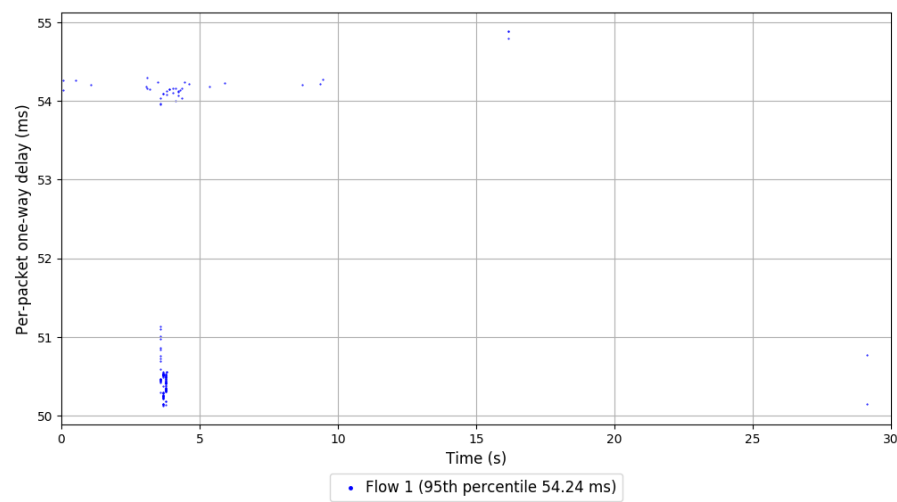
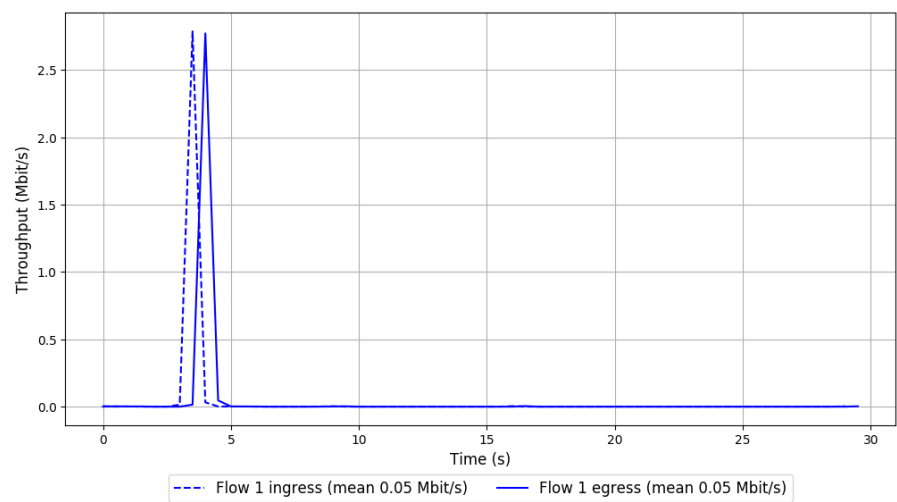


Run 6: Statistics of WebRTC media

Start at: 2018-05-26 11:01:08
End at: 2018-05-26 11:01:38
Local clock offset: 0.141 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-05-26 14:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.240 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-26 11:21:40

End at: 2018-05-26 11:22:10

Local clock offset: 0.058 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-05-26 14:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.753 ms

Loss rate: 0.00%

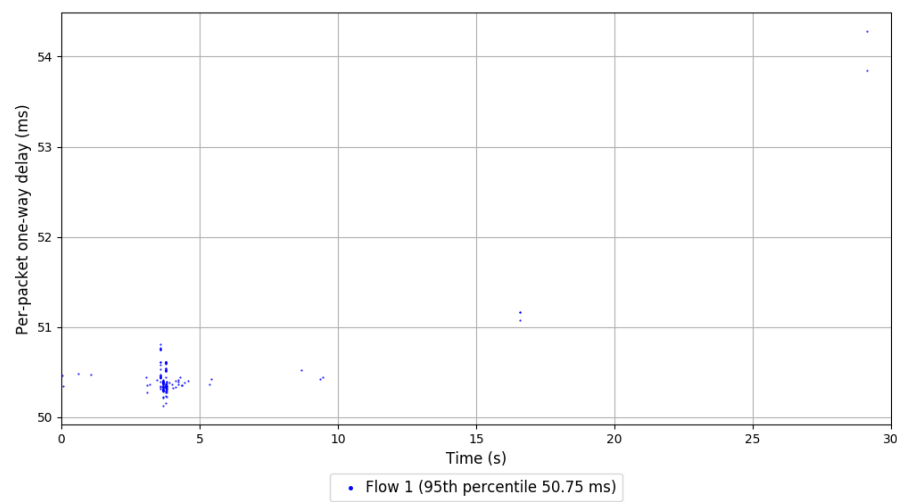
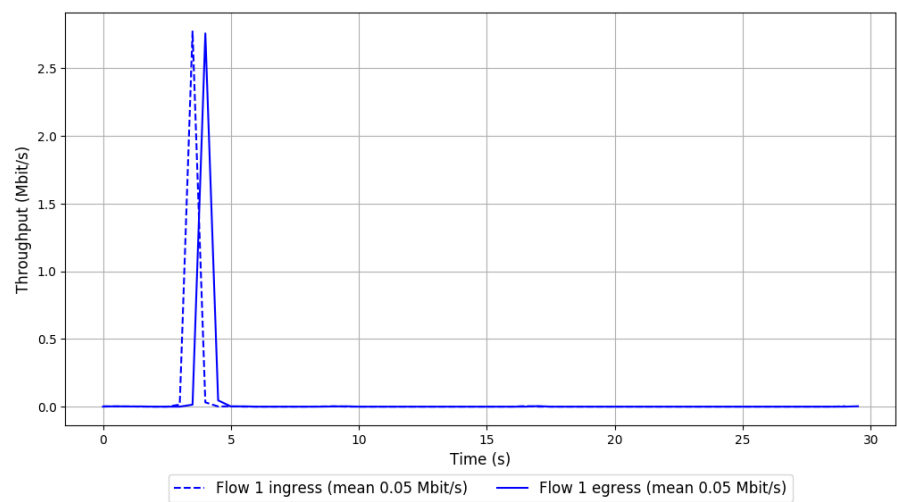
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.753 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-26 11:42:01

End at: 2018-05-26 11:42:31

Local clock offset: 0.117 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-05-26 14:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.00%

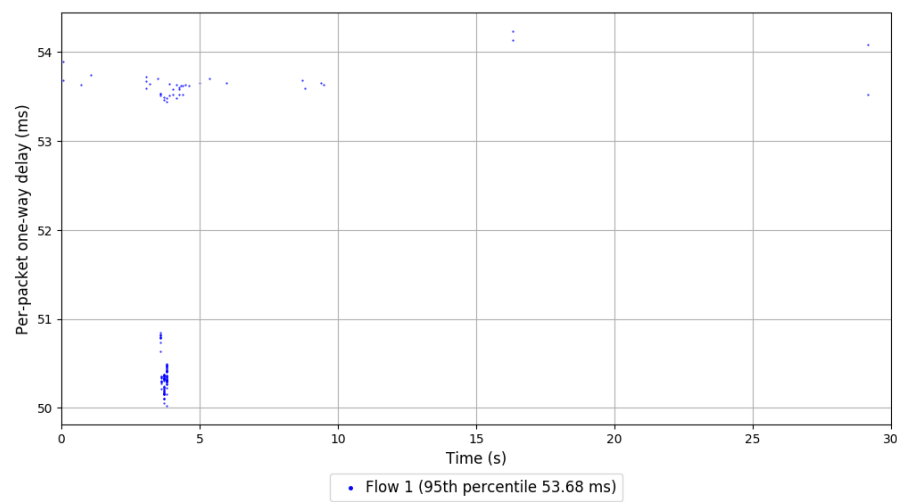
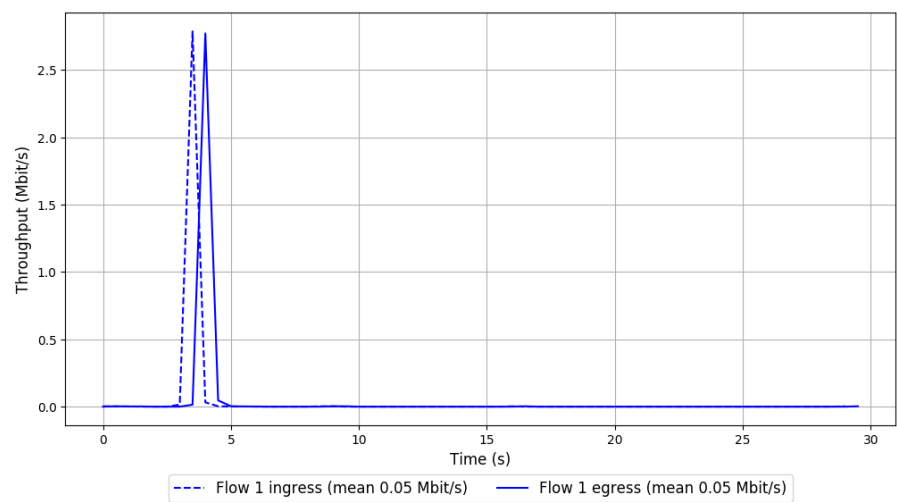
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-26 12:03:07

End at: 2018-05-26 12:03:37

Local clock offset: 0.191 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-05-26 14:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.869 ms

Loss rate: 0.00%

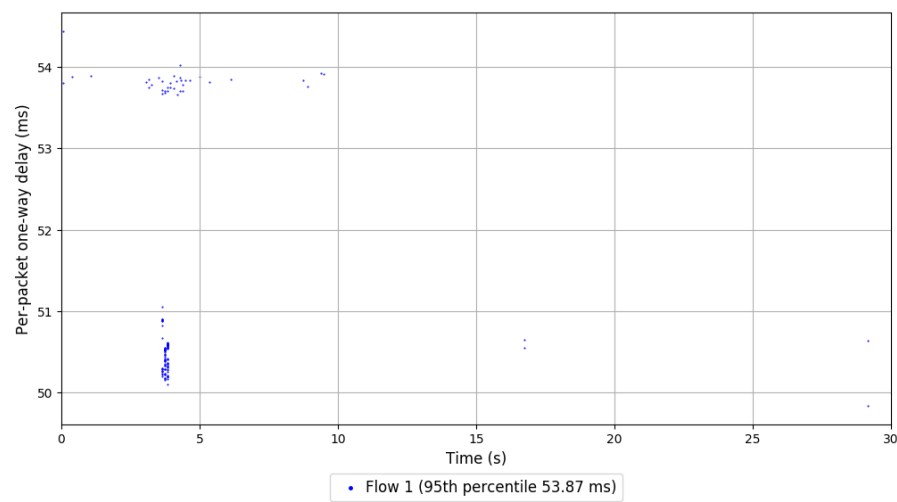
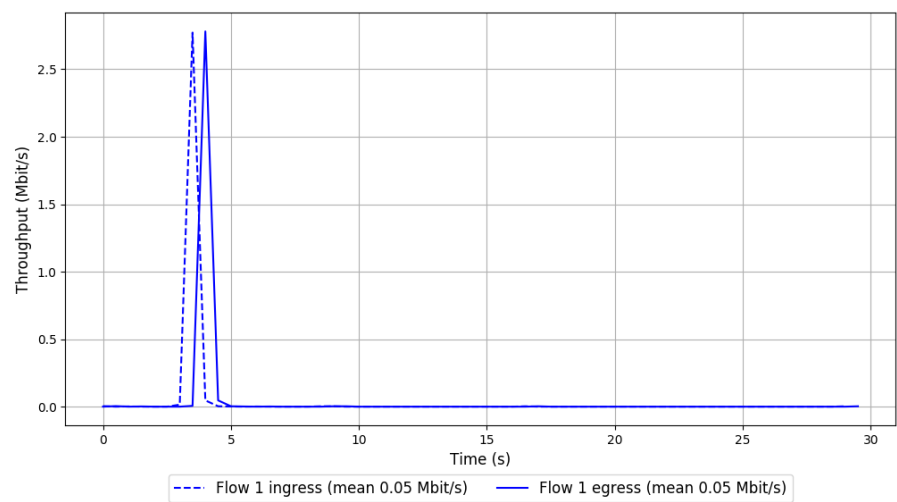
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.869 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-26 12:23:25

End at: 2018-05-26 12:23:55

Local clock offset: -0.251 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2018-05-26 14:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.345 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

