

Pantheon Report

Generated at 2021-03-08 19:36:46 (UTC).

Data path: (*local*) → (*remote*).

Repeated the test of 12 congestion control schemes 3 times.

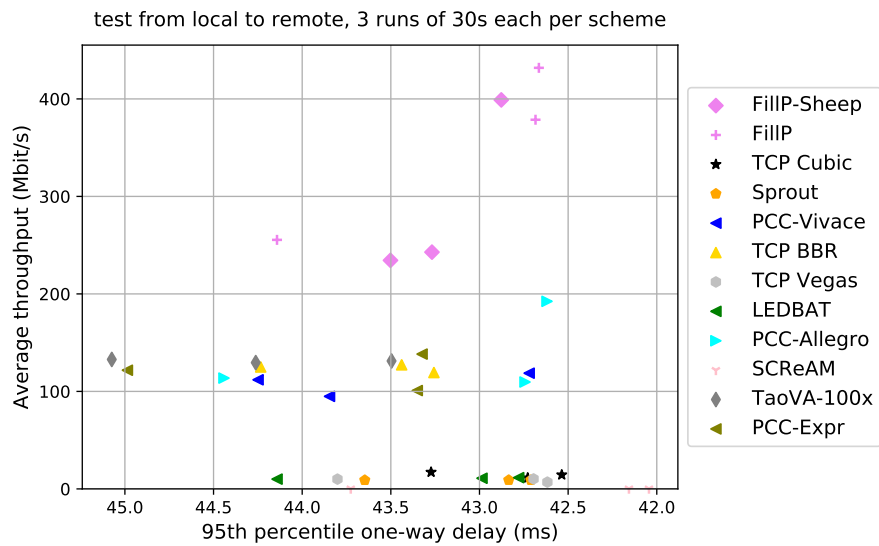
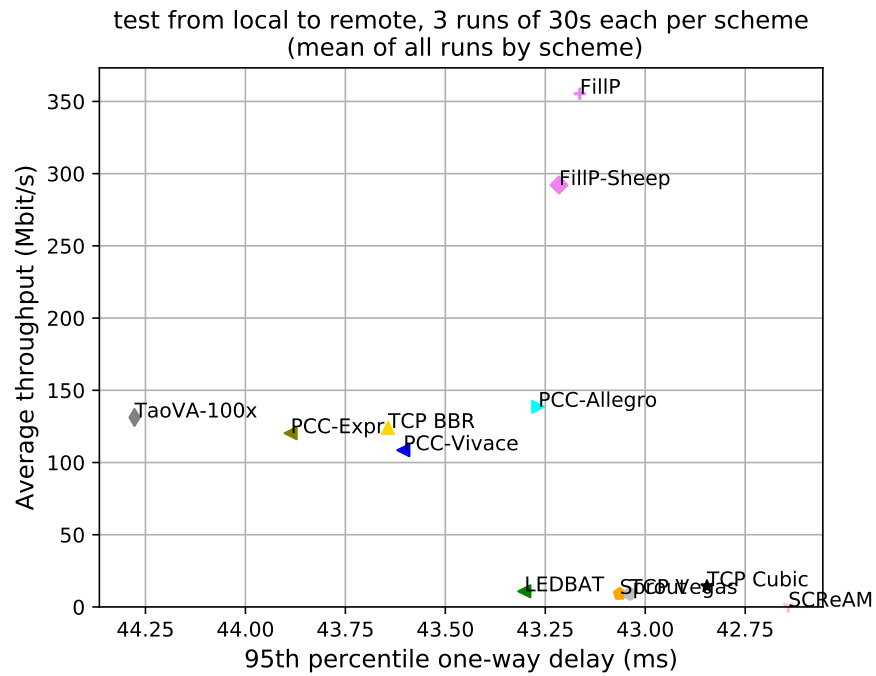
Each test lasted for 30 seconds running 1 flow.

System info:

```
Linux 5.4.0-1038-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 212992
net.core.rmem_max = 212992
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 131072 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

Git summary:

```
branch: master @ f51067c1f4e1a611dc98b105fef1edac2721c438
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 463d89b09699a57bfdfbae351646df6a60040b90
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	3	123.90	43.64	4.42
TCP Cubic	3	14.33	42.85	0.40
FillP	3	355.32	43.16	6.66
FillP-Sheep	3	292.08	43.22	7.38
LEDBAT	3	10.83	43.30	0.40
PCC-Allegro	3	138.56	43.27	1.50
PCC-Expr	3	120.29	43.89	2.65
SCReAM	3	0.22	42.64	0.00
Sprout	3	9.05	43.06	1.64
TaoVA-100x	3	131.18	44.28	8.59
TCP Vegas	3	9.08	43.04	0.41
PCC-Vivace	3	108.51	43.60	2.42

Run 1: Statistics of TCP BBR

Start at: 2021-03-08 19:04:34

End at: 2021-03-08 19:05:04

Below is generated by plot.py at 2021-03-08 19:28:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.28 Mbit/s

95th percentile per-packet one-way delay: 43.439 ms

Loss rate: 4.40%

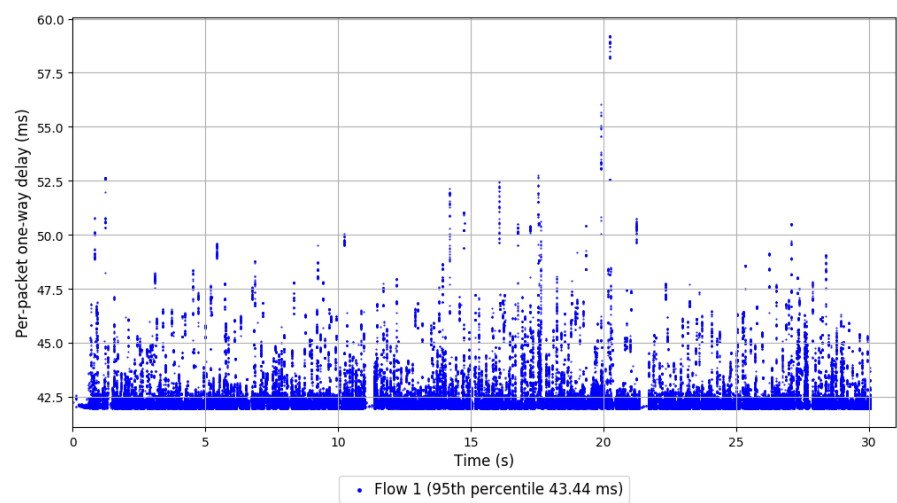
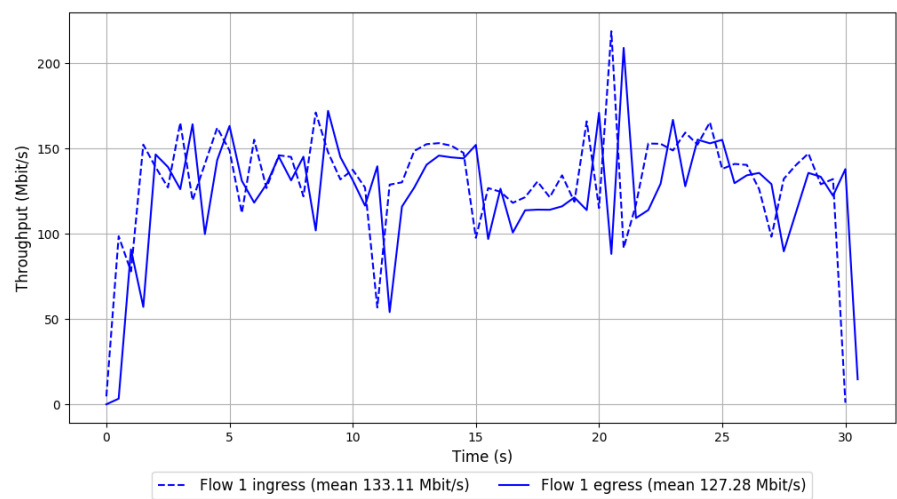
-- Flow 1:

Average throughput: 127.28 Mbit/s

95th percentile per-packet one-way delay: 43.439 ms

Loss rate: 4.40%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2021-03-08 19:13:40

End at: 2021-03-08 19:14:10

Below is generated by plot.py at 2021-03-08 19:28:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.35 Mbit/s

95th percentile per-packet one-way delay: 43.257 ms

Loss rate: 4.65%

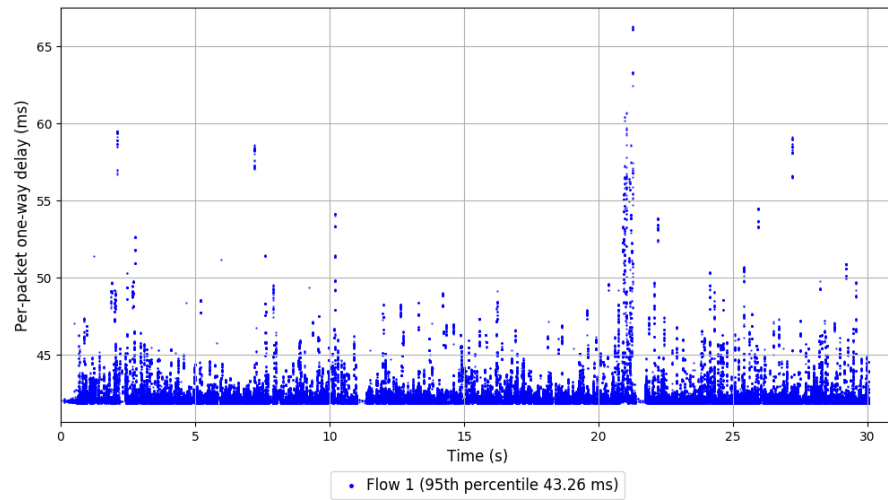
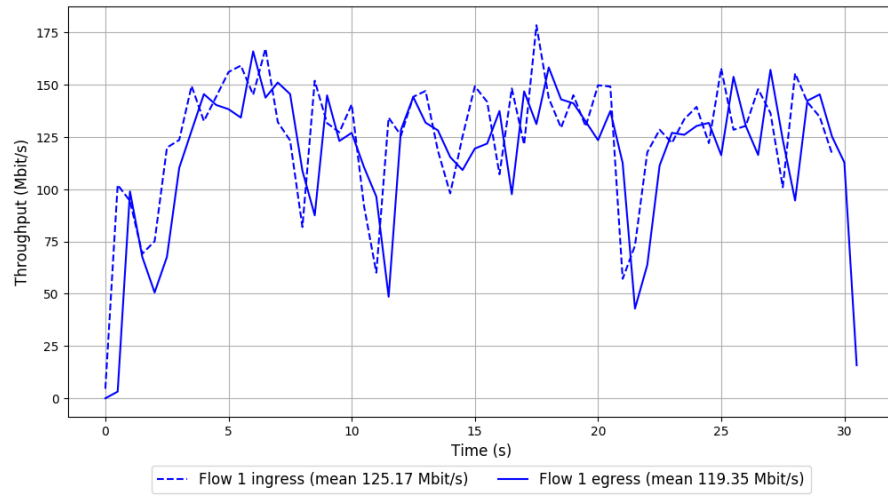
-- Flow 1:

Average throughput: 119.35 Mbit/s

95th percentile per-packet one-way delay: 43.257 ms

Loss rate: 4.65%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2021-03-08 19:22:46

End at: 2021-03-08 19:23:16

Below is generated by plot.py at 2021-03-08 19:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.06 Mbit/s

95th percentile per-packet one-way delay: 44.234 ms

Loss rate: 4.20%

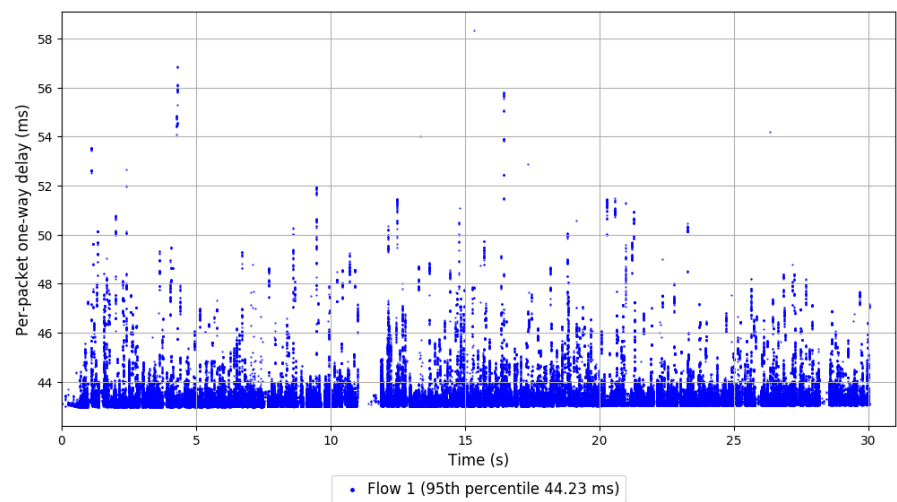
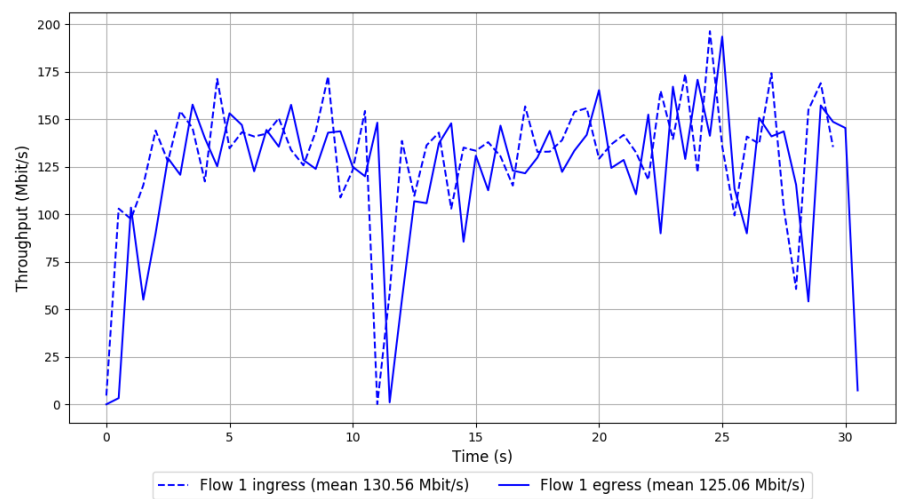
-- Flow 1:

Average throughput: 125.06 Mbit/s

95th percentile per-packet one-way delay: 44.234 ms

Loss rate: 4.20%

Run 3: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2021-03-08 19:02:24

End at: 2021-03-08 19:02:54

Below is generated by plot.py at 2021-03-08 19:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 42.728 ms

Loss rate: 0.79%

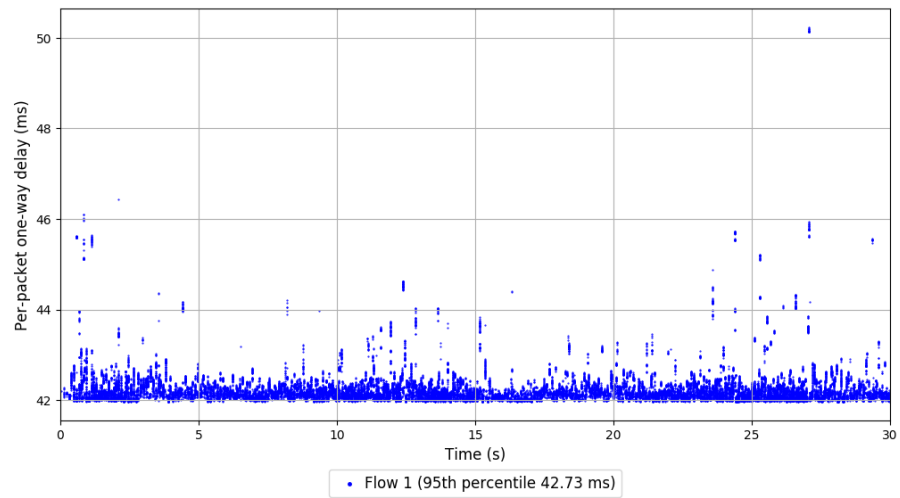
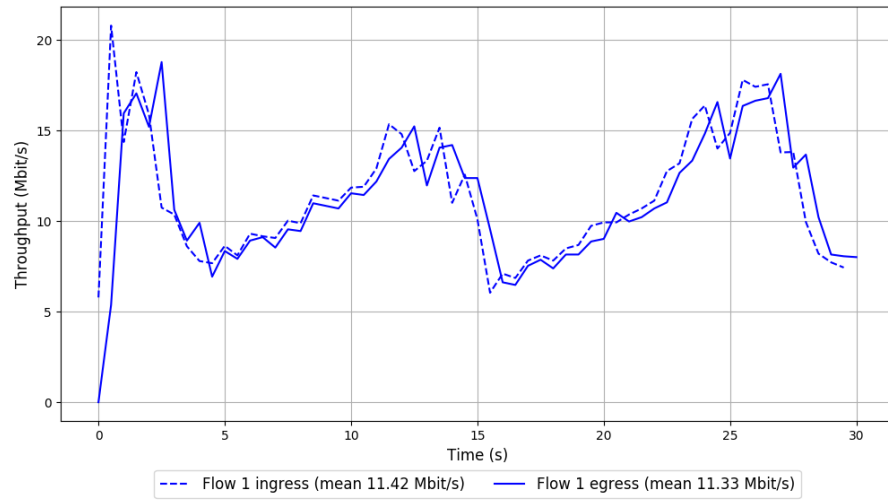
-- Flow 1:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 42.728 ms

Loss rate: 0.79%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2021-03-08 19:11:32

End at: 2021-03-08 19:12:02

Below is generated by plot.py at 2021-03-08 19:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 42.536 ms

Loss rate: 0.17%

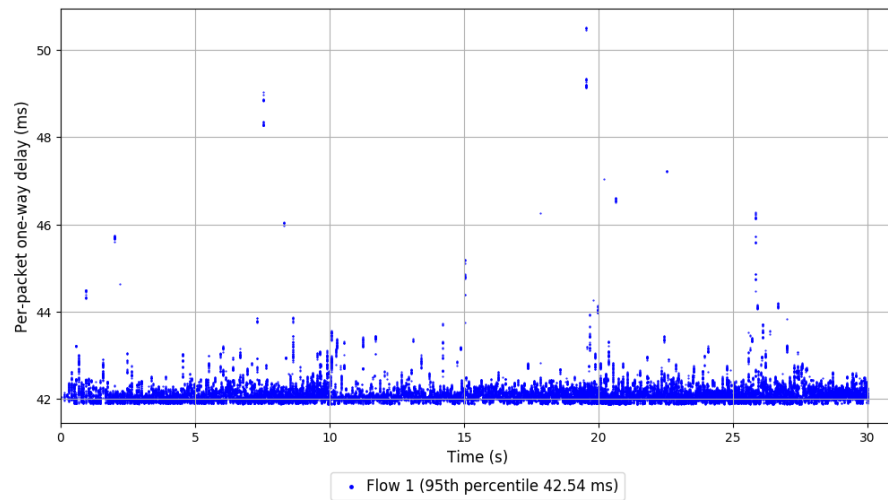
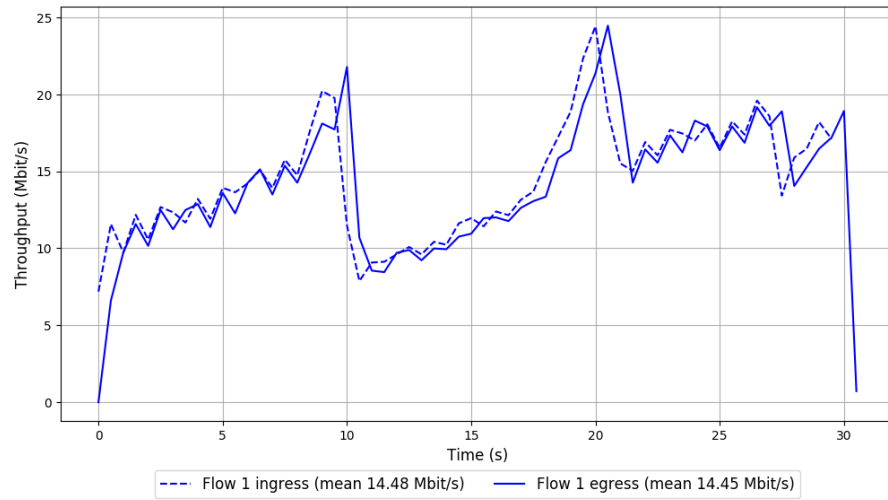
-- Flow 1:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 42.536 ms

Loss rate: 0.17%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2021-03-08 19:20:38

End at: 2021-03-08 19:21:08

Below is generated by plot.py at 2021-03-08 19:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 43.273 ms

Loss rate: 0.25%

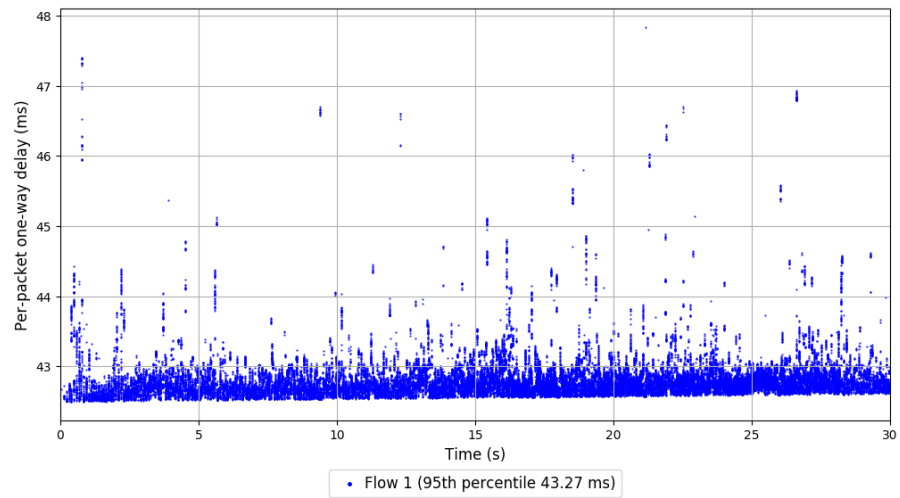
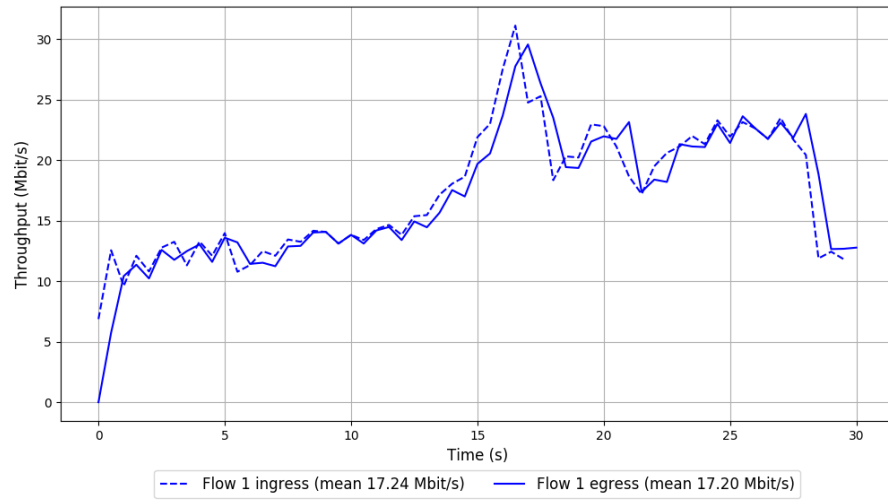
-- Flow 1:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 43.273 ms

Loss rate: 0.25%

Run 3: Report of TCP Cubic — Data Link

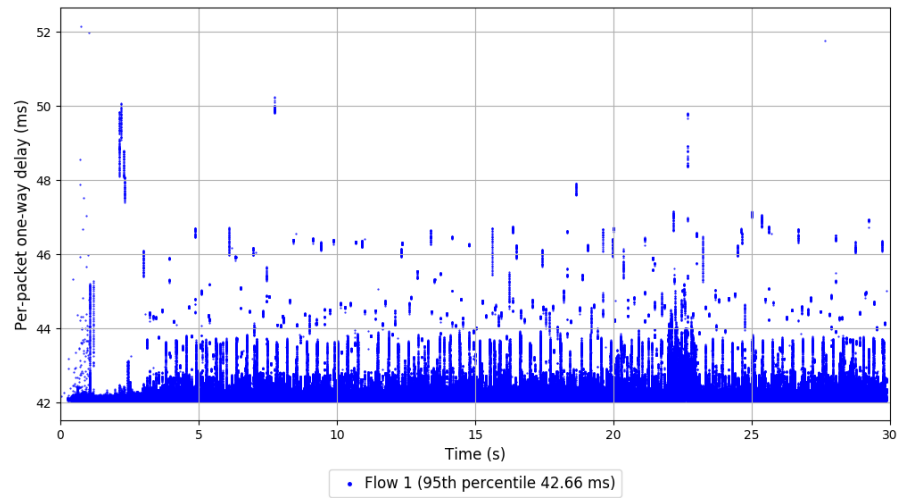
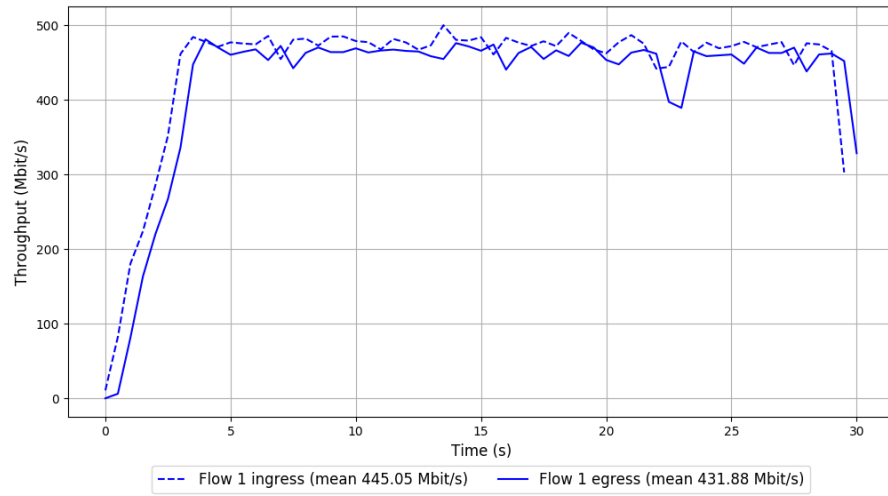


```
Run 1: Statistics of FillP

Start at: 2021-03-08 19:01:29
End at: 2021-03-08 19:01:59

# Below is generated by plot.py at 2021-03-08 19:30:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.88 Mbit/s
95th percentile per-packet one-way delay: 42.665 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 431.88 Mbit/s
95th percentile per-packet one-way delay: 42.665 ms
Loss rate: 2.97%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2021-03-08 19:10:38

End at: 2021-03-08 19:11:08

Below is generated by plot.py at 2021-03-08 19:30:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.65 Mbit/s

95th percentile per-packet one-way delay: 42.684 ms

Loss rate: 4.41%

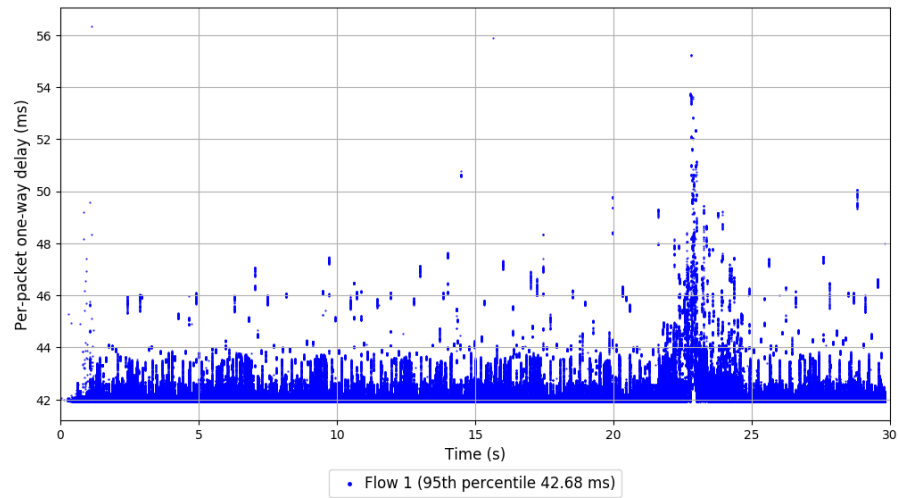
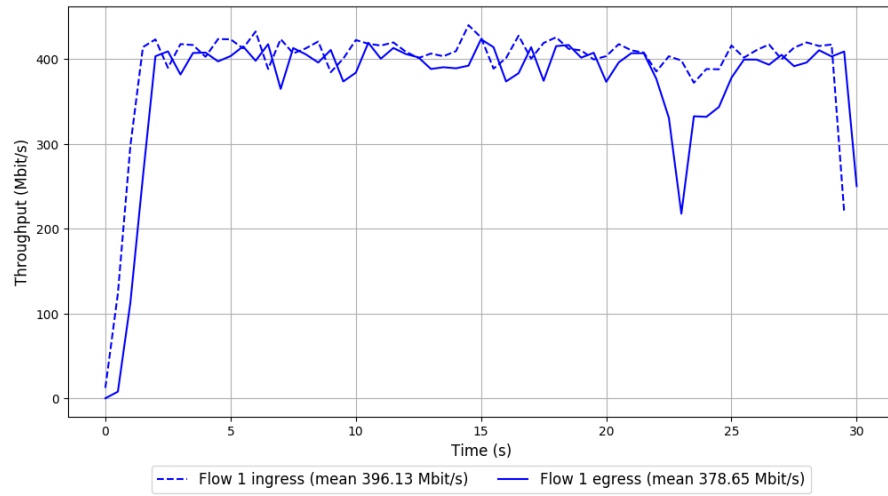
-- Flow 1:

Average throughput: 378.65 Mbit/s

95th percentile per-packet one-way delay: 42.684 ms

Loss rate: 4.41%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2021-03-08 19:19:47

End at: 2021-03-08 19:20:17

Below is generated by plot.py at 2021-03-08 19:31:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.43 Mbit/s

95th percentile per-packet one-way delay: 44.142 ms

Loss rate: 12.61%

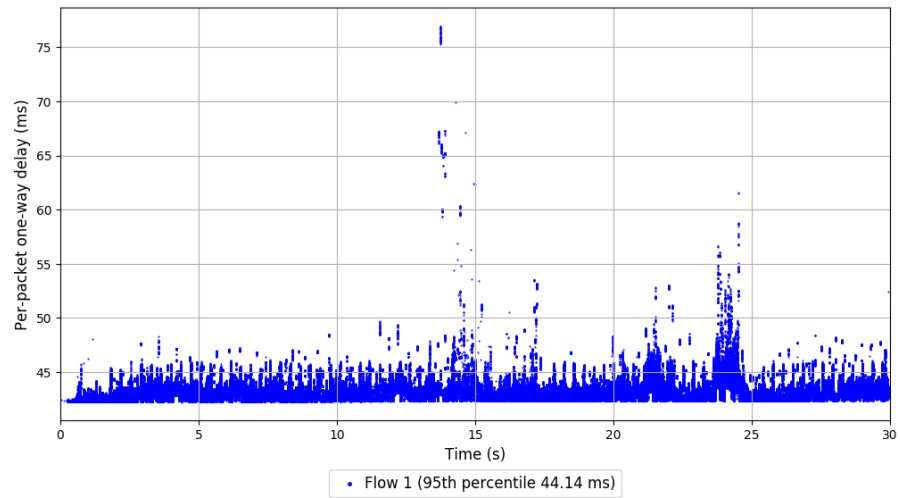
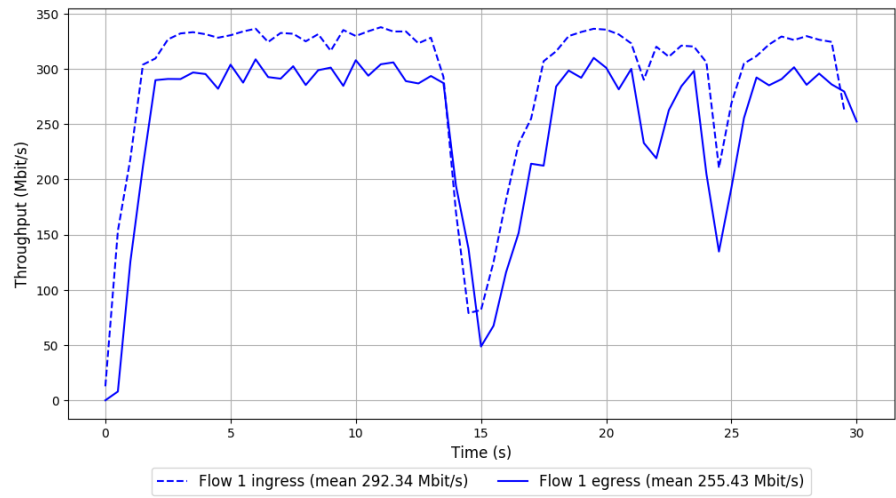
-- Flow 1:

Average throughput: 255.43 Mbit/s

95th percentile per-packet one-way delay: 44.142 ms

Loss rate: 12.61%

Run 3: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2021-03-08 19:00:39

End at: 2021-03-08 19:01:09

Below is generated by plot.py at 2021-03-08 19:31:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.41 Mbit/s

95th percentile per-packet one-way delay: 43.502 ms

Loss rate: 8.47%

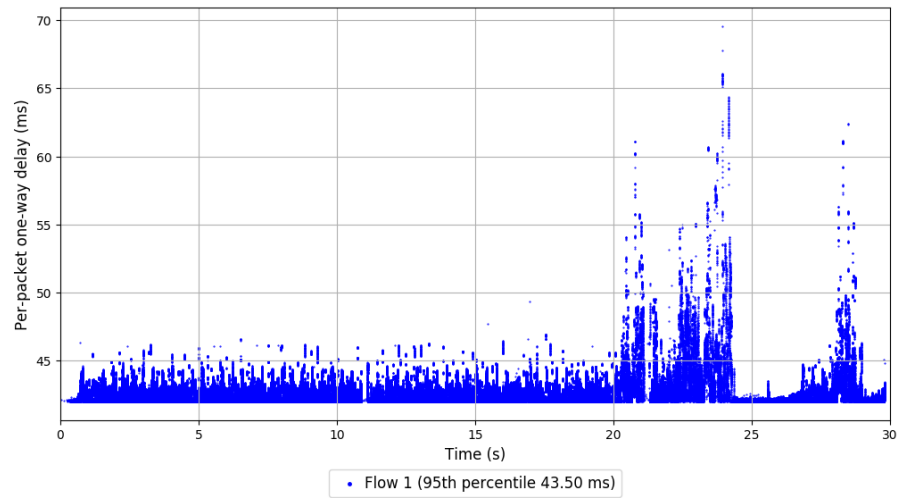
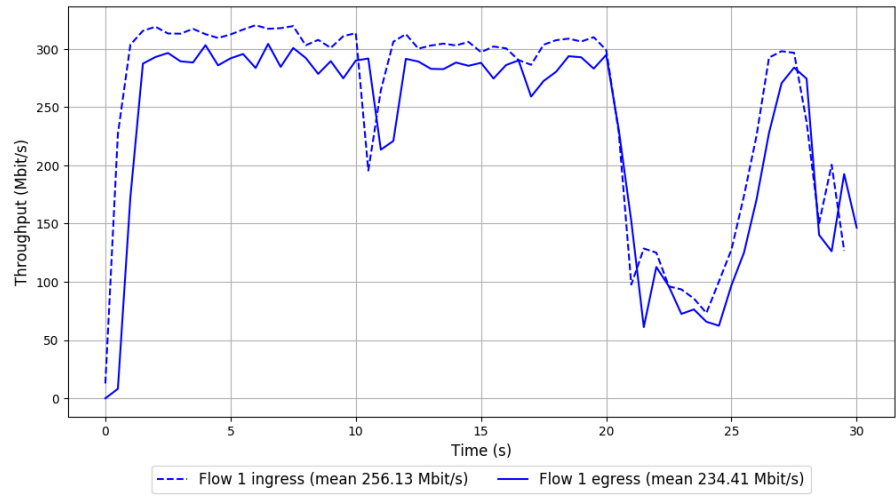
-- Flow 1:

Average throughput: 234.41 Mbit/s

95th percentile per-packet one-way delay: 43.502 ms

Loss rate: 8.47%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2021-03-08 19:09:49

End at: 2021-03-08 19:10:19

Below is generated by plot.py at 2021-03-08 19:32:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.85 Mbit/s

95th percentile per-packet one-way delay: 43.268 ms

Loss rate: 8.24%

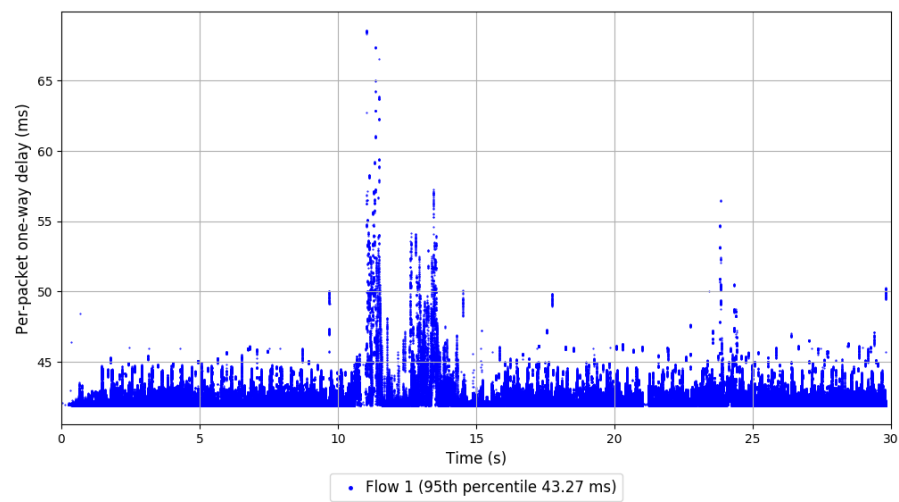
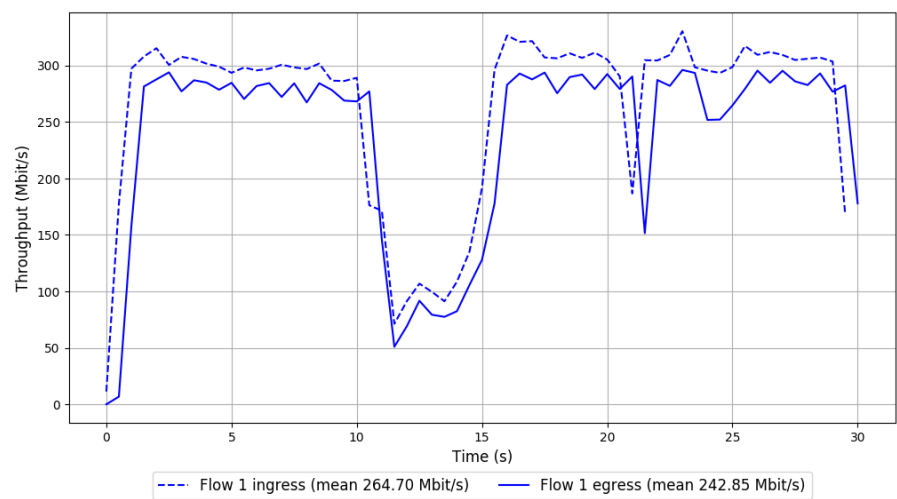
-- Flow 1:

Average throughput: 242.85 Mbit/s

95th percentile per-packet one-way delay: 43.268 ms

Loss rate: 8.24%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2021-03-08 19:18:53

End at: 2021-03-08 19:19:23

Below is generated by plot.py at 2021-03-08 19:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.99 Mbit/s

95th percentile per-packet one-way delay: 42.877 ms

Loss rate: 5.44%

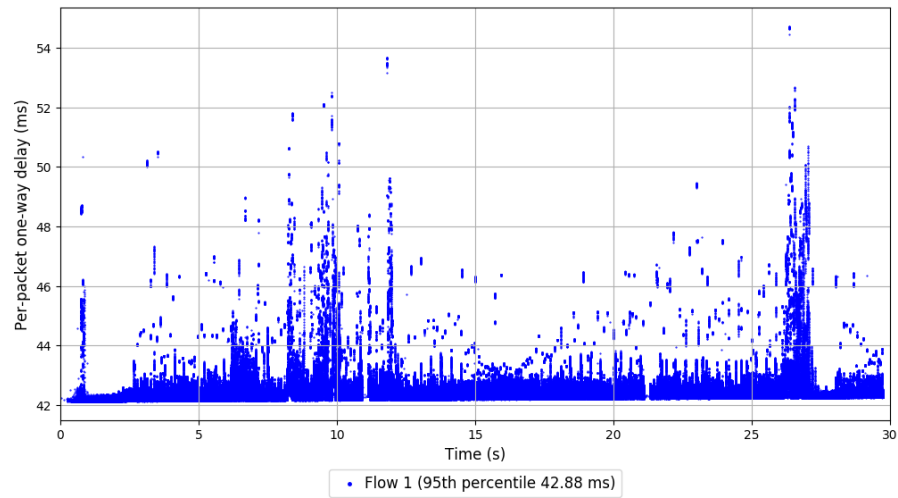
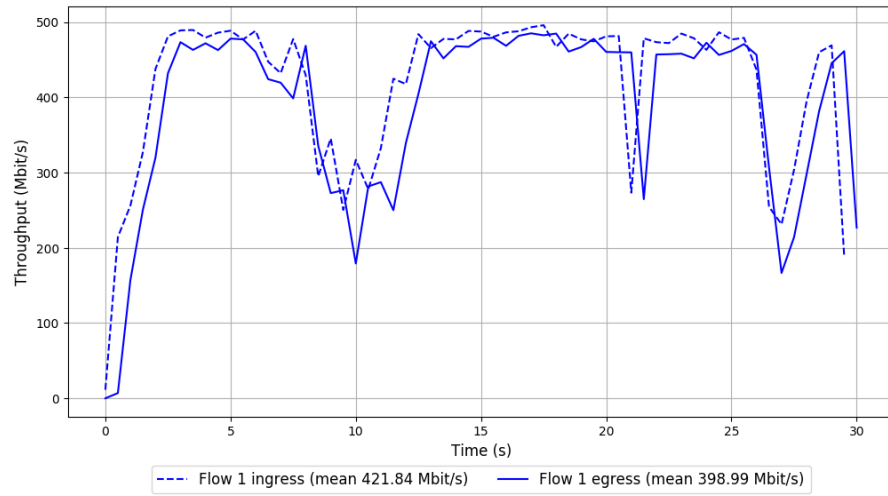
-- Flow 1:

Average throughput: 398.99 Mbit/s

95th percentile per-packet one-way delay: 42.877 ms

Loss rate: 5.44%

Run 3: Report of FillP-Sheep — Data Link



Run 1: Statistics of LEDBAT

Start at: 2021-03-08 19:05:59

End at: 2021-03-08 19:06:30

Below is generated by plot.py at 2021-03-08 19:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 42.779 ms

Loss rate: 0.43%

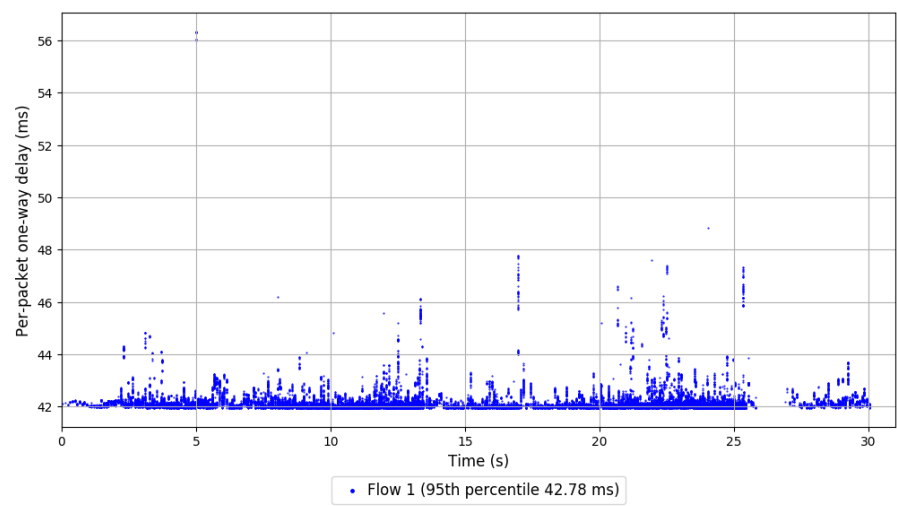
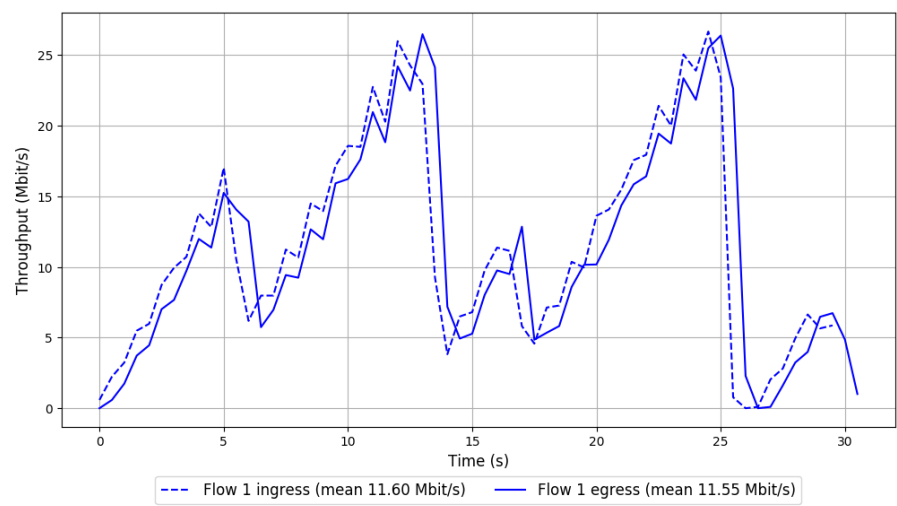
-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 42.779 ms

Loss rate: 0.43%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2021-03-08 19:15:06

End at: 2021-03-08 19:15:36

Below is generated by plot.py at 2021-03-08 19:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 42.986 ms

Loss rate: 0.39%

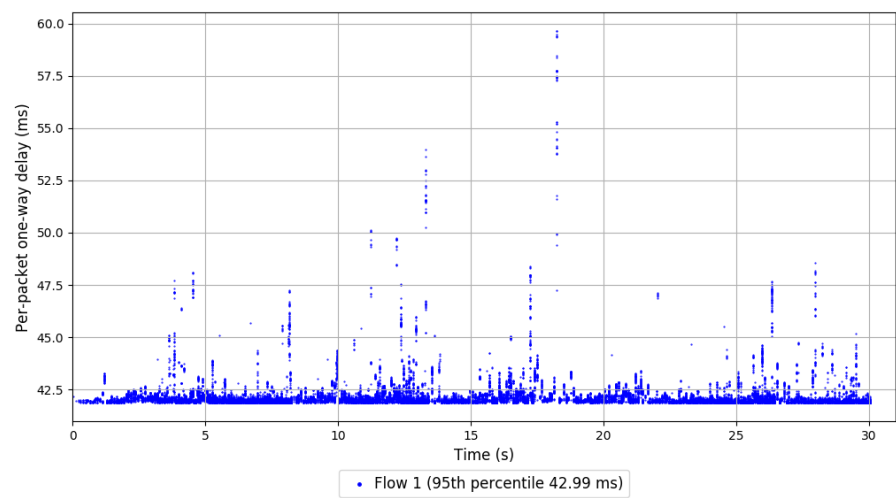
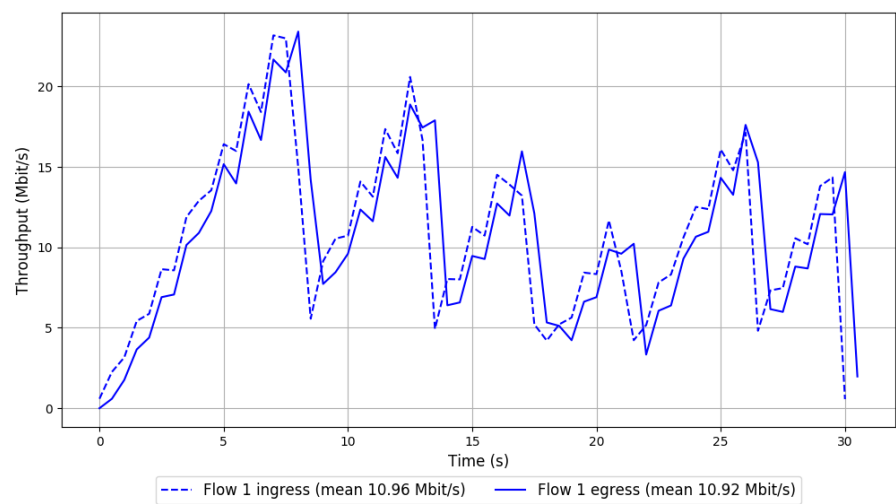
-- Flow 1:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 42.986 ms

Loss rate: 0.39%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2021-03-08 19:24:12

End at: 2021-03-08 19:24:42

Below is generated by plot.py at 2021-03-08 19:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 44.142 ms

Loss rate: 0.39%

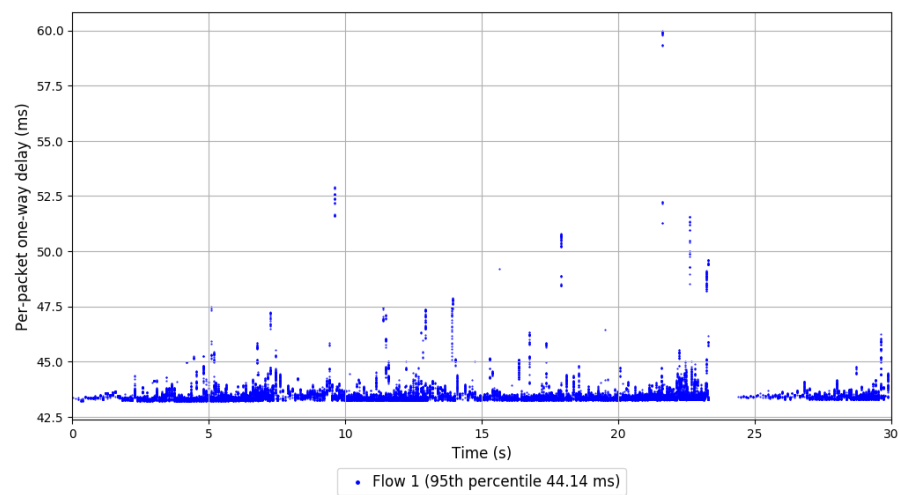
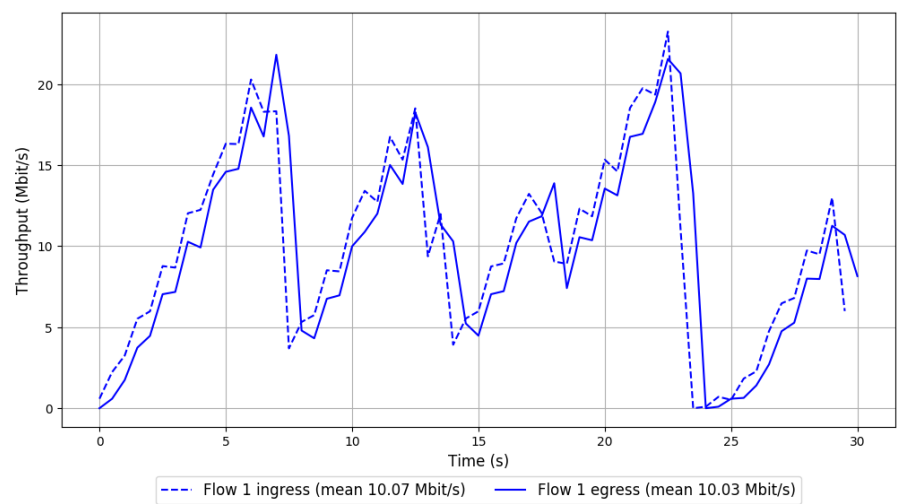
-- Flow 1:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 44.142 ms

Loss rate: 0.39%

Run 3: Report of LEDBAT — Data Link

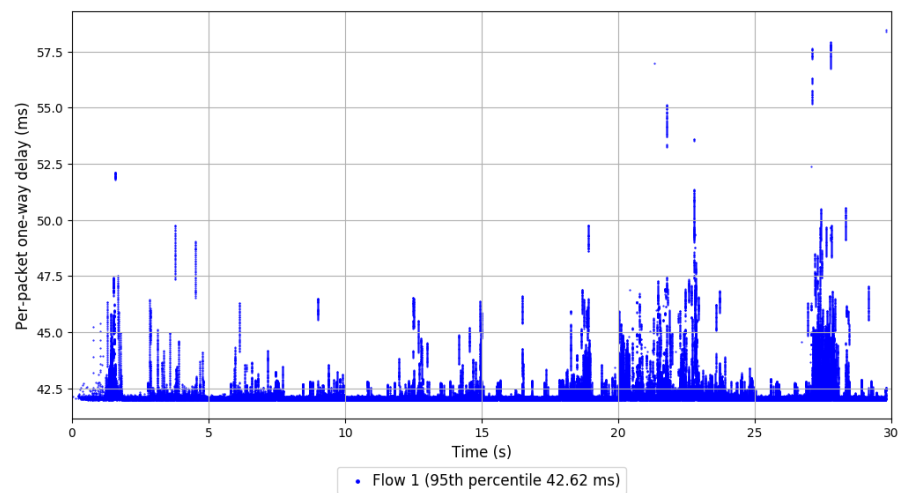
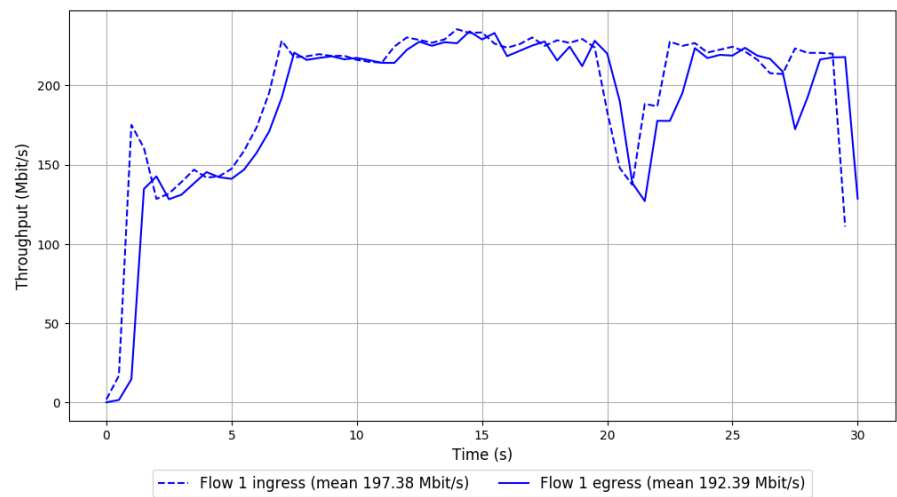


```
Run 1: Statistics of PCC-Allegro

Start at: 2021-03-08 19:06:41
End at: 2021-03-08 19:07:11

# Below is generated by plot.py at 2021-03-08 19:33:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.39 Mbit/s
95th percentile per-packet one-way delay: 42.619 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 192.39 Mbit/s
95th percentile per-packet one-way delay: 42.619 ms
Loss rate: 2.48%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2021-03-08 19:15:48

End at: 2021-03-08 19:16:18

Below is generated by plot.py at 2021-03-08 19:33:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.64 Mbit/s

95th percentile per-packet one-way delay: 42.743 ms

Loss rate: 0.95%

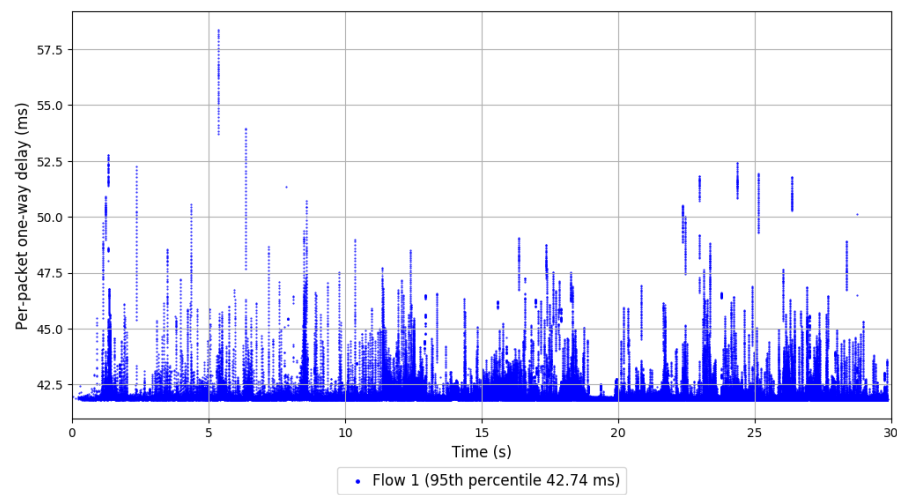
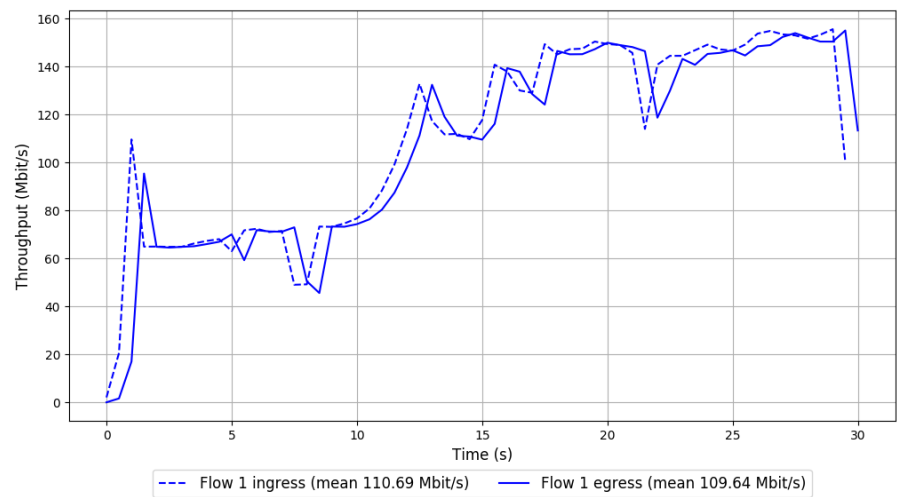
-- Flow 1:

Average throughput: 109.64 Mbit/s

95th percentile per-packet one-way delay: 42.743 ms

Loss rate: 0.95%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2021-03-08 19:24:54

End at: 2021-03-08 19:25:24

Below is generated by plot.py at 2021-03-08 19:33:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.66 Mbit/s

95th percentile per-packet one-way delay: 44.441 ms

Loss rate: 1.08%

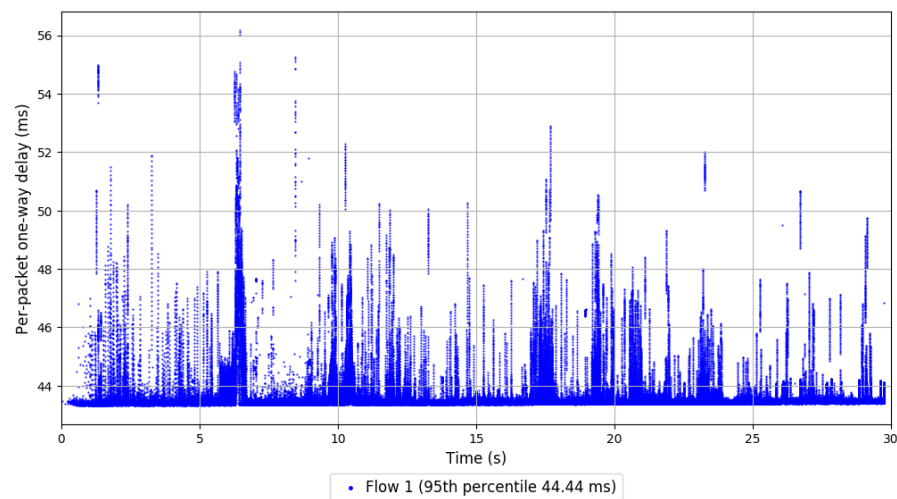
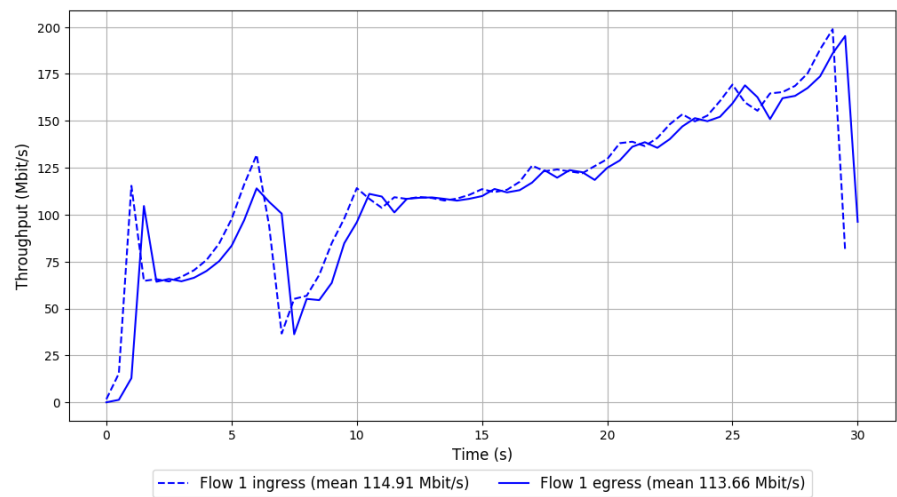
-- Flow 1:

Average throughput: 113.66 Mbit/s

95th percentile per-packet one-way delay: 44.441 ms

Loss rate: 1.08%

Run 3: Report of PCC-Allegro — Data Link

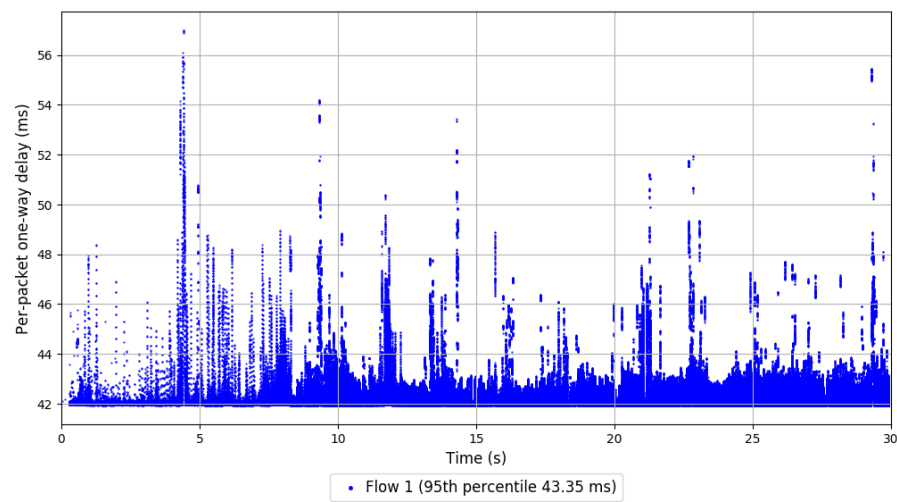
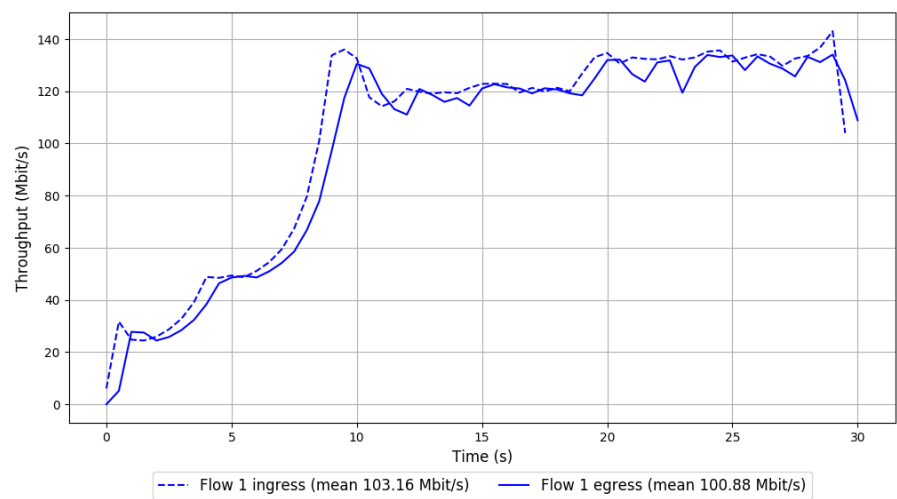


```
Run 1: Statistics of PCC-Expr

Start at: 2021-03-08 19:09:00
End at: 2021-03-08 19:09:30

# Below is generated by plot.py at 2021-03-08 19:33:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.88 Mbit/s
95th percentile per-packet one-way delay: 43.351 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 100.88 Mbit/s
95th percentile per-packet one-way delay: 43.351 ms
Loss rate: 2.21%
```


Run 1: Report of PCC-Expr — Data Link

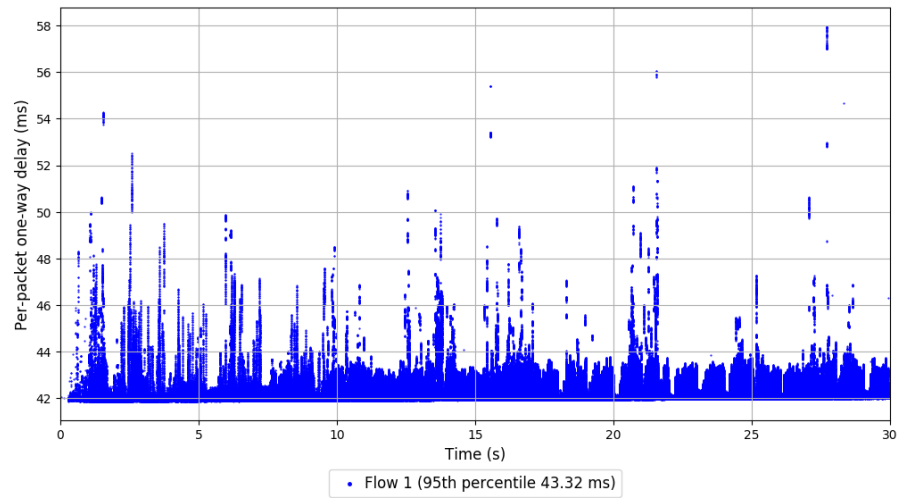
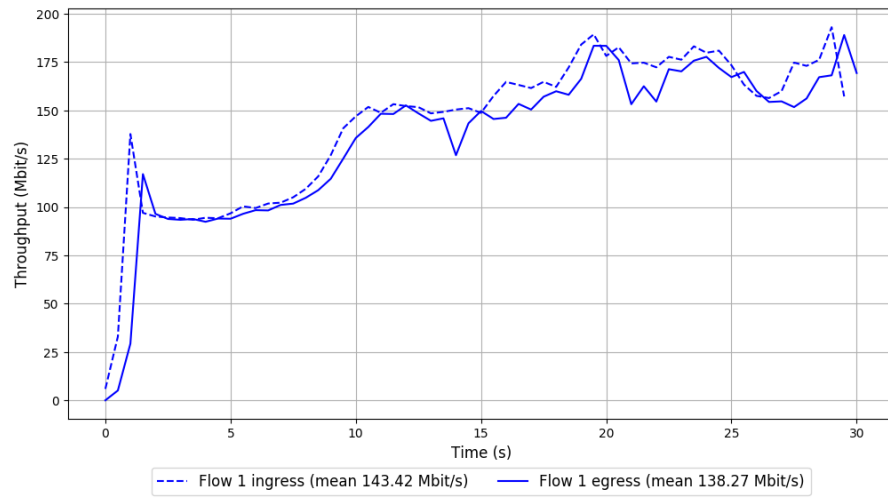


```
Run 2: Statistics of PCC-Expr

Start at: 2021-03-08 19:18:02
End at: 2021-03-08 19:18:32

# Below is generated by plot.py at 2021-03-08 19:34:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.27 Mbit/s
95th percentile per-packet one-way delay: 43.324 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 138.27 Mbit/s
95th percentile per-packet one-way delay: 43.324 ms
Loss rate: 3.58%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2021-03-08 19:27:09

End at: 2021-03-08 19:27:39

Below is generated by plot.py at 2021-03-08 19:34:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.72 Mbit/s

95th percentile per-packet one-way delay: 44.986 ms

Loss rate: 2.16%

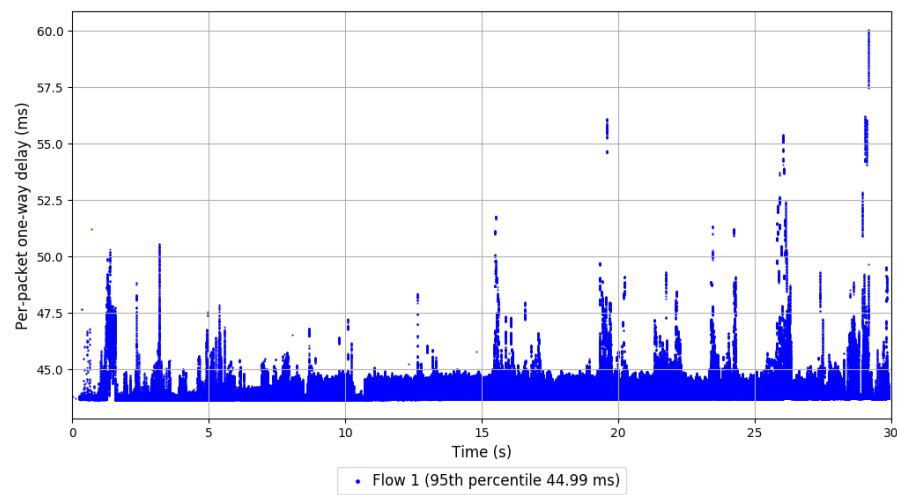
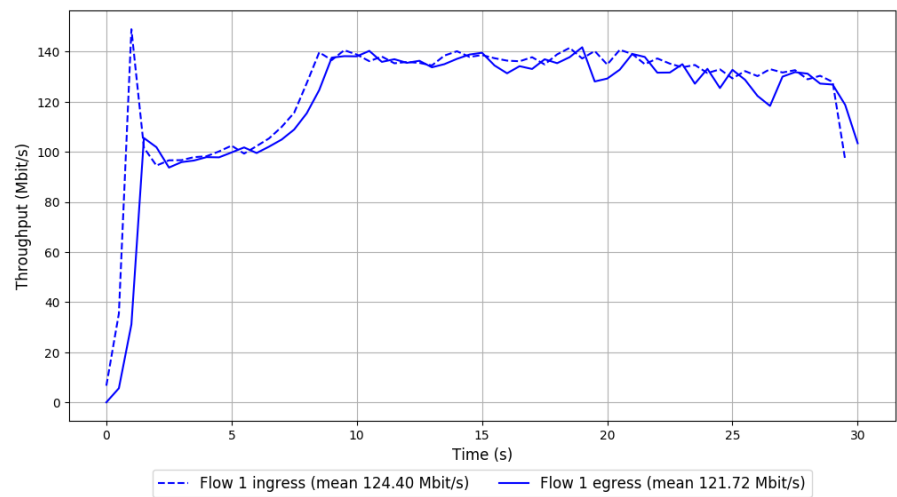
-- Flow 1:

Average throughput: 121.72 Mbit/s

95th percentile per-packet one-way delay: 44.986 ms

Loss rate: 2.16%

Run 3: Report of PCC-Expr — Data Link

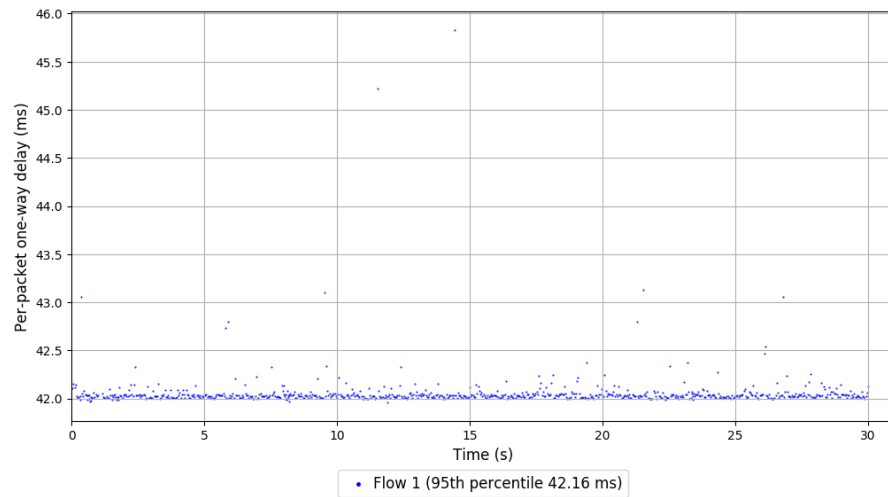
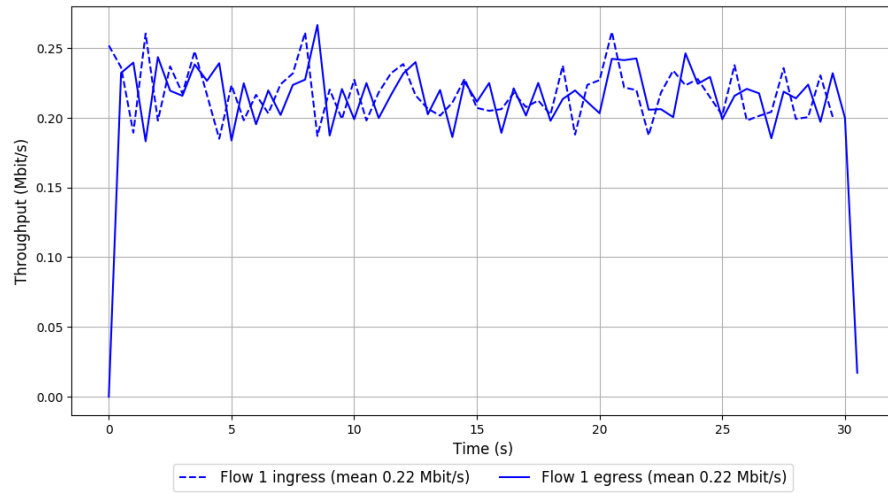


```
Run 1: Statistics of SCReAM

Start at: 2021-03-08 19:07:28
End at: 2021-03-08 19:07:58

# Below is generated by plot.py at 2021-03-08 19:34:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.157 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2021-03-08 19:16:32

End at: 2021-03-08 19:17:02

Below is generated by plot.py at 2021-03-08 19:34:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.044 ms

Loss rate: 0.00%

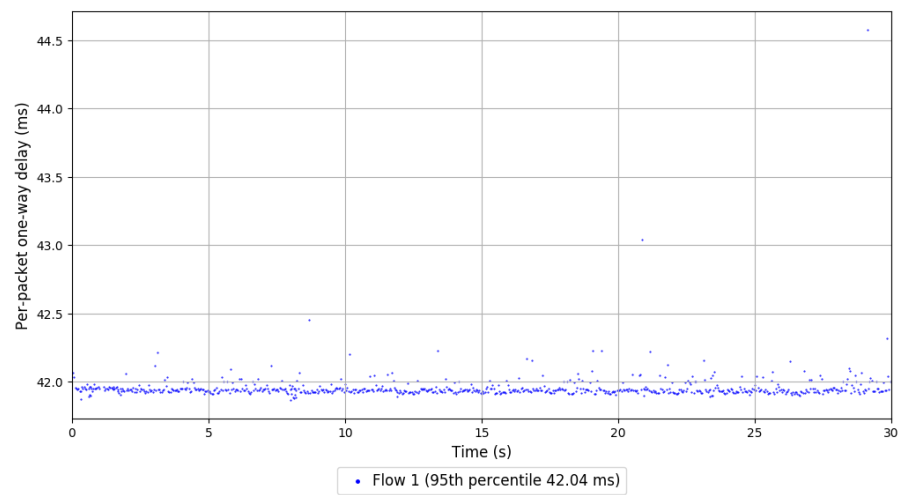
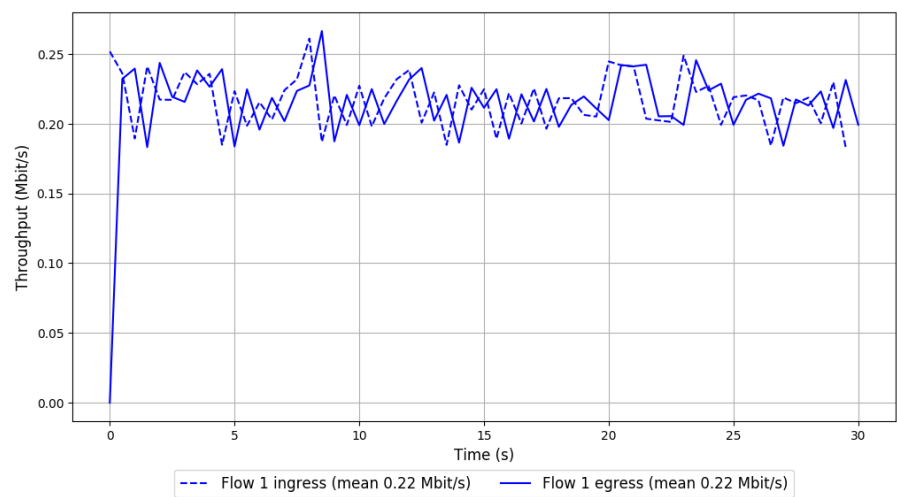
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.044 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2021-03-08 19:25:38

End at: 2021-03-08 19:26:08

Below is generated by plot.py at 2021-03-08 19:34:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 43.726 ms

Loss rate: 0.00%

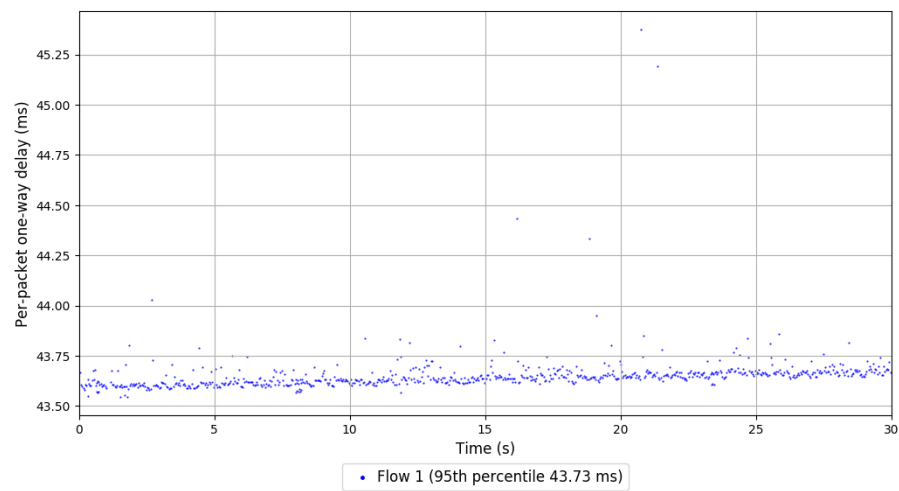
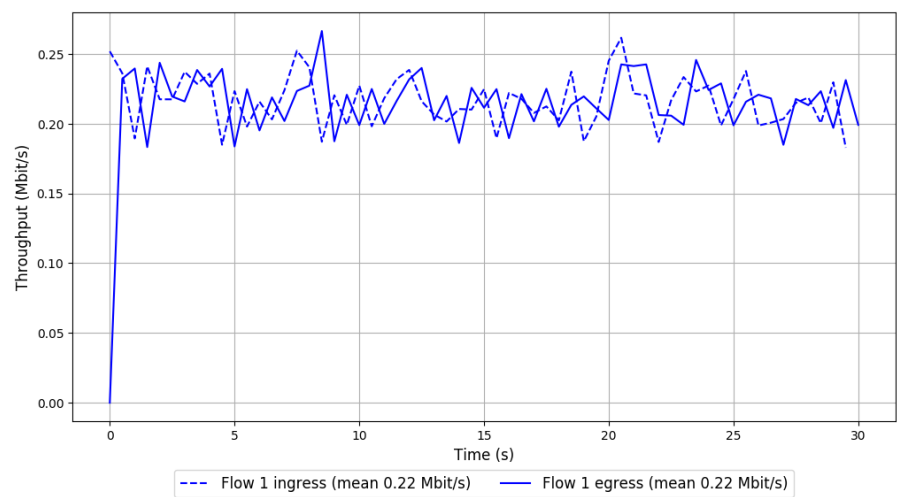
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 43.726 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2021-03-08 19:03:06

End at: 2021-03-08 19:03:36

Below is generated by plot.py at 2021-03-08 19:34:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 42.835 ms

Loss rate: 1.97%

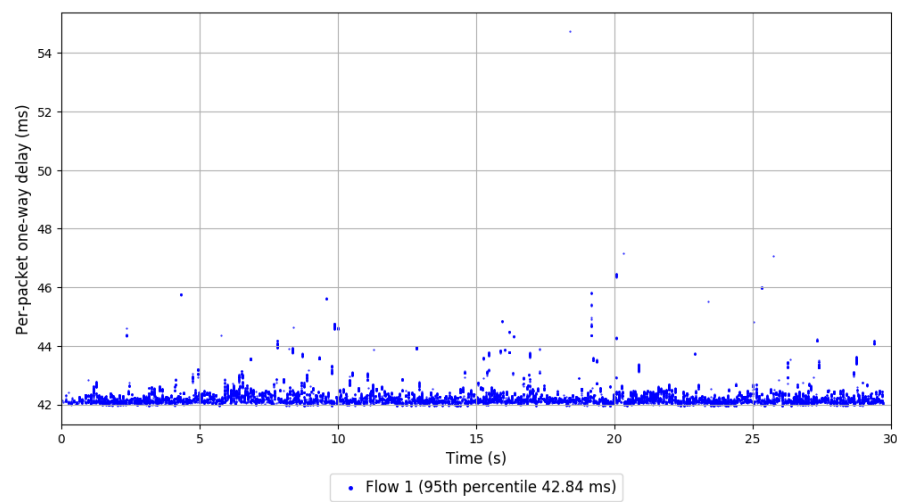
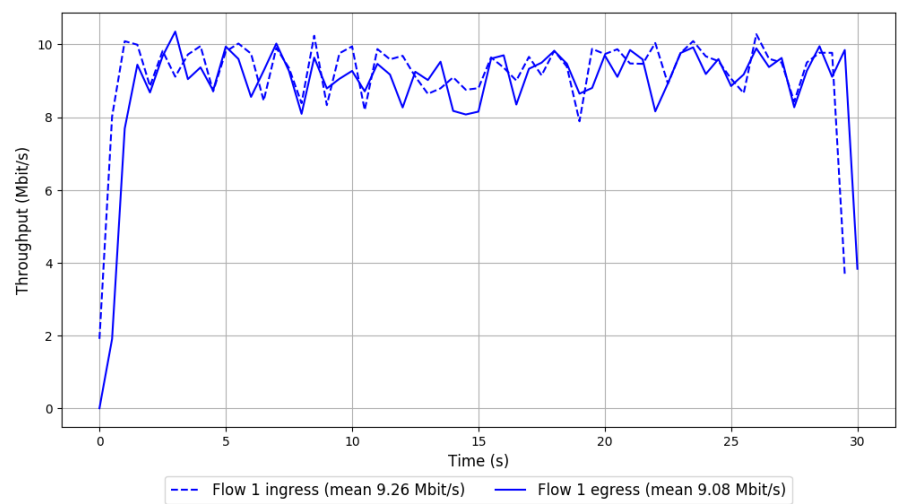
-- Flow 1:

Average throughput: 9.08 Mbit/s

95th percentile per-packet one-way delay: 42.835 ms

Loss rate: 1.97%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2021-03-08 19:12:13

End at: 2021-03-08 19:12:43

Below is generated by plot.py at 2021-03-08 19:34:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 42.710 ms

Loss rate: 1.26%

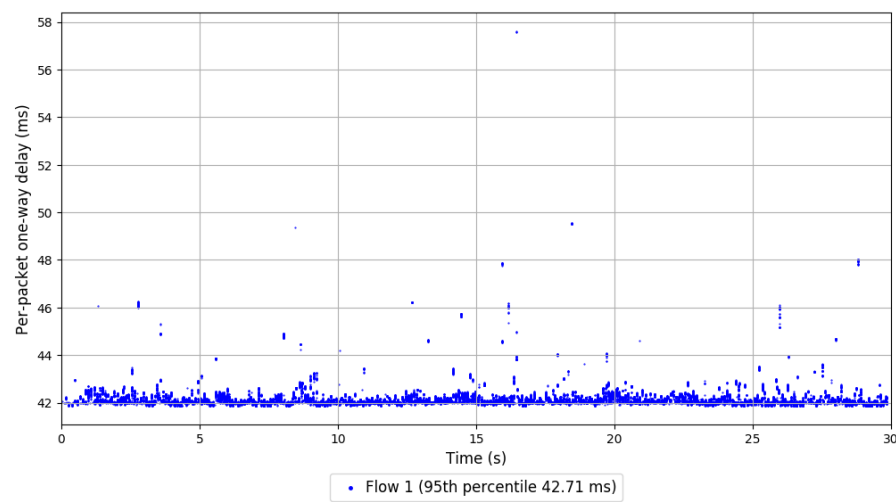
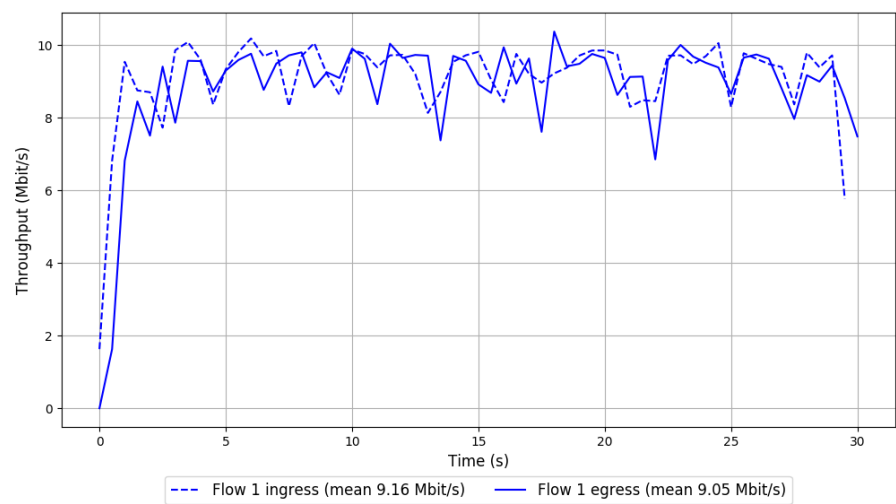
-- Flow 1:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 42.710 ms

Loss rate: 1.26%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2021-03-08 19:21:19

End at: 2021-03-08 19:21:49

Below is generated by plot.py at 2021-03-08 19:34:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 43.647 ms

Loss rate: 1.69%

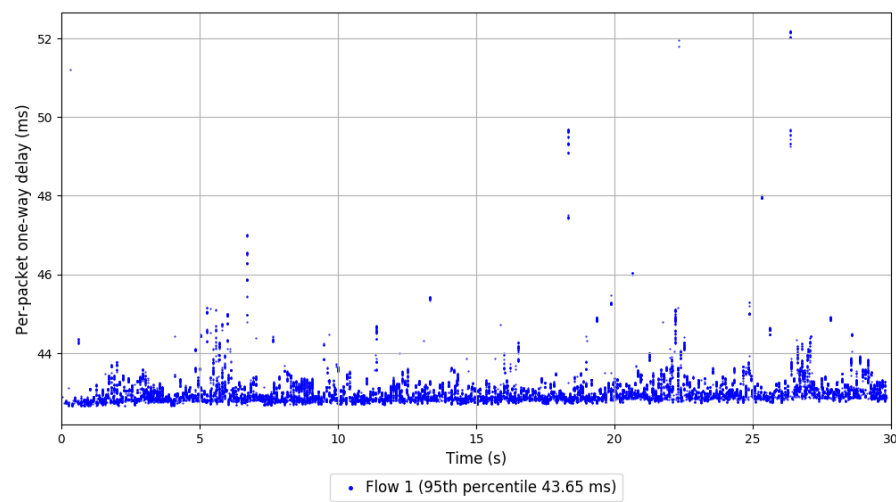
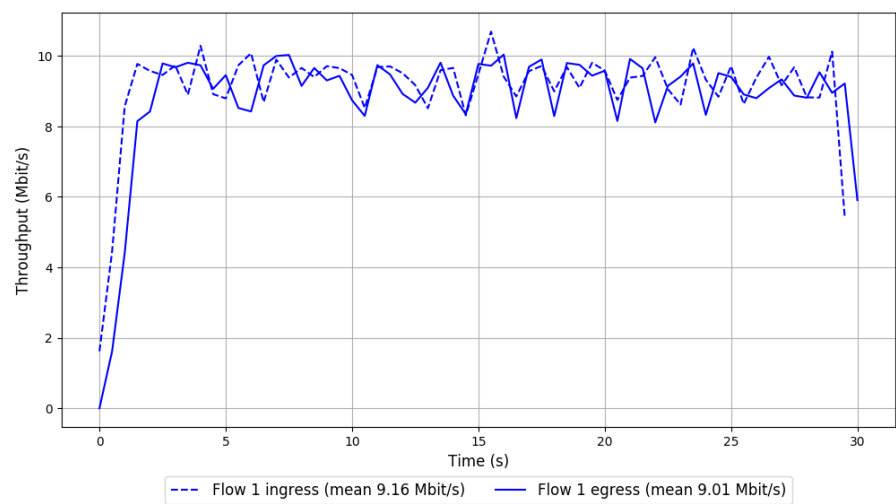
-- Flow 1:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 43.647 ms

Loss rate: 1.69%

Run 3: Report of Sprout — Data Link

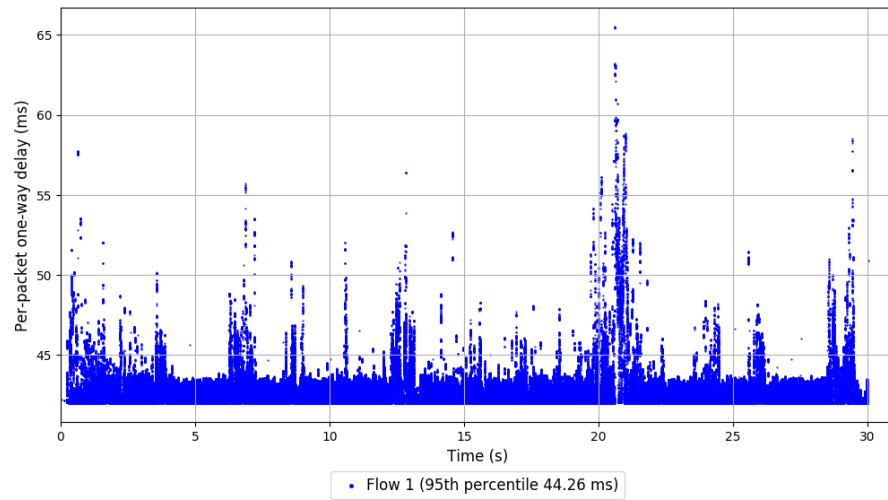
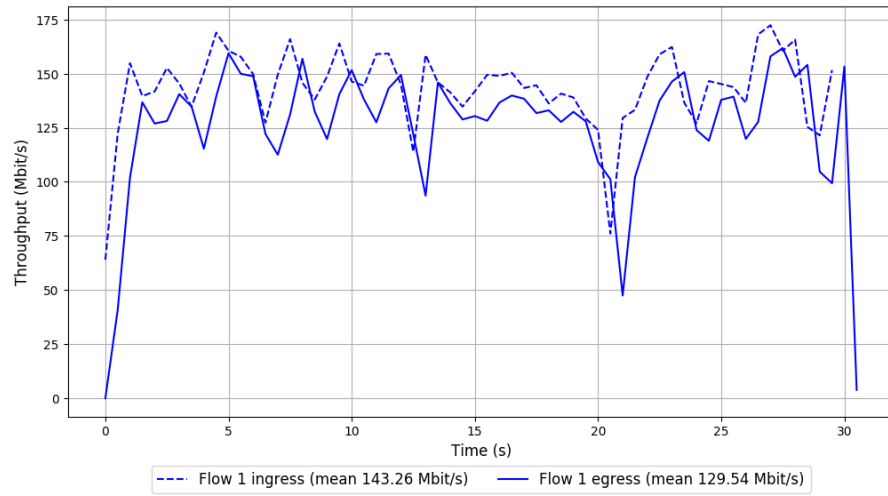


```
Run 1: Statistics of TaoVA-100x

Start at: 2021-03-08 19:08:09
End at: 2021-03-08 19:08:39

# Below is generated by plot.py at 2021-03-08 19:35:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 44.262 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 44.262 ms
Loss rate: 9.56%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2021-03-08 19:17:11

End at: 2021-03-08 19:17:41

Below is generated by plot.py at 2021-03-08 19:35:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.22 Mbit/s

95th percentile per-packet one-way delay: 43.496 ms

Loss rate: 8.48%

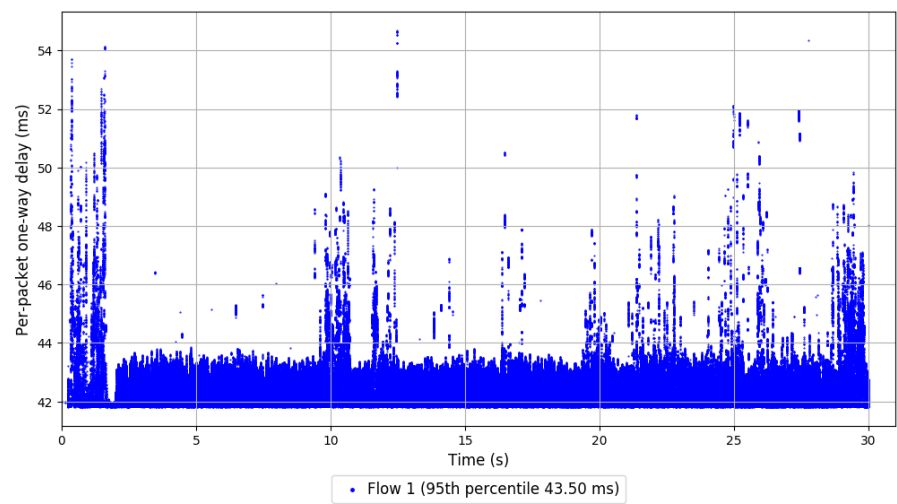
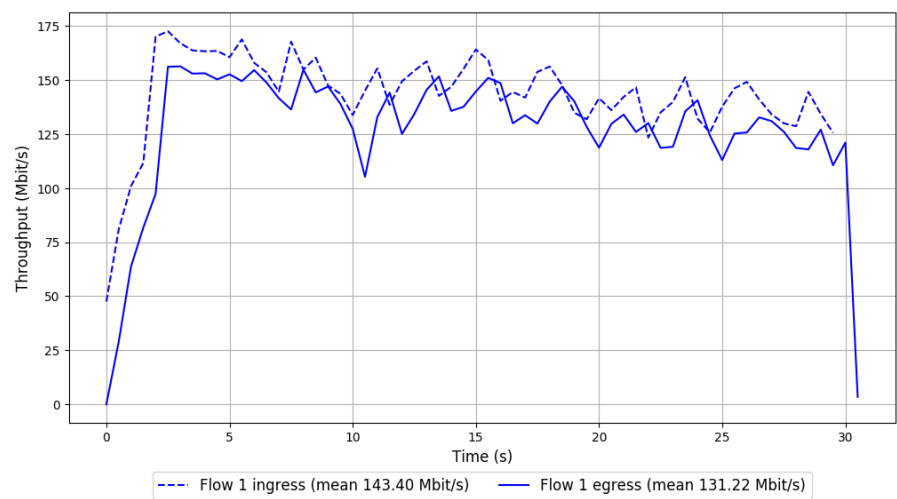
-- Flow 1:

Average throughput: 131.22 Mbit/s

95th percentile per-packet one-way delay: 43.496 ms

Loss rate: 8.48%

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



Run 3: Statistics of TaoVA-100x

Start at: 2021-03-08 19:26:18

End at: 2021-03-08 19:26:48

Below is generated by plot.py at 2021-03-08 19:36:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.78 Mbit/s

95th percentile per-packet one-way delay: 45.074 ms

Loss rate: 7.74%

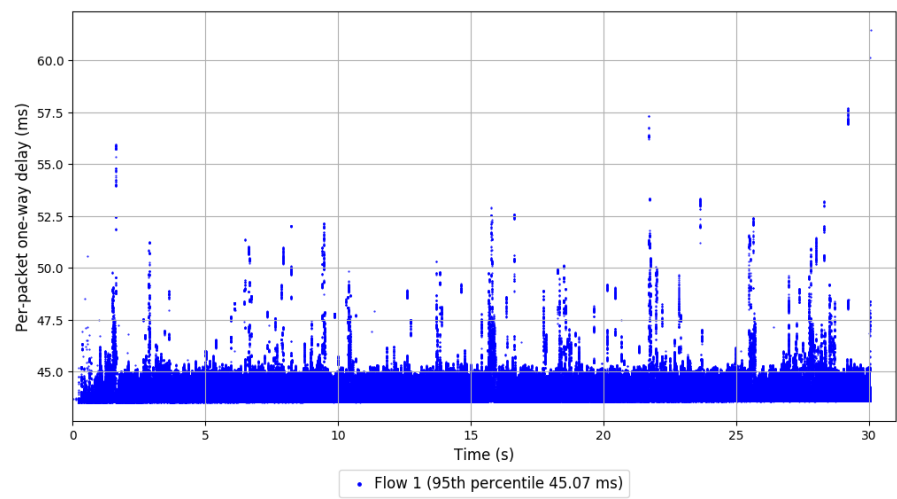
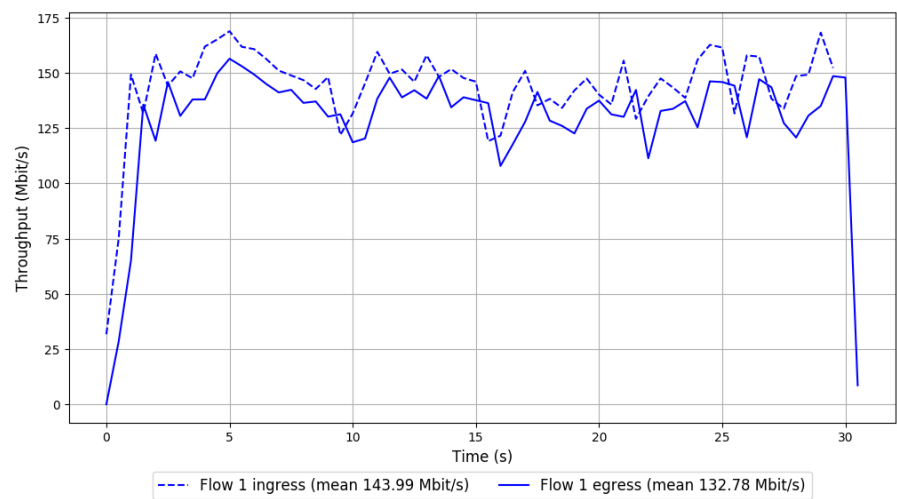
-- Flow 1:

Average throughput: 132.78 Mbit/s

95th percentile per-packet one-way delay: 45.074 ms

Loss rate: 7.74%

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



Run 1: Statistics of TCP Vegas

Start at: 2021-03-08 19:05:19

End at: 2021-03-08 19:05:49

Below is generated by plot.py at 2021-03-08 19:36:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.25 Mbit/s

95th percentile per-packet one-way delay: 42.695 ms

Loss rate: 0.29%

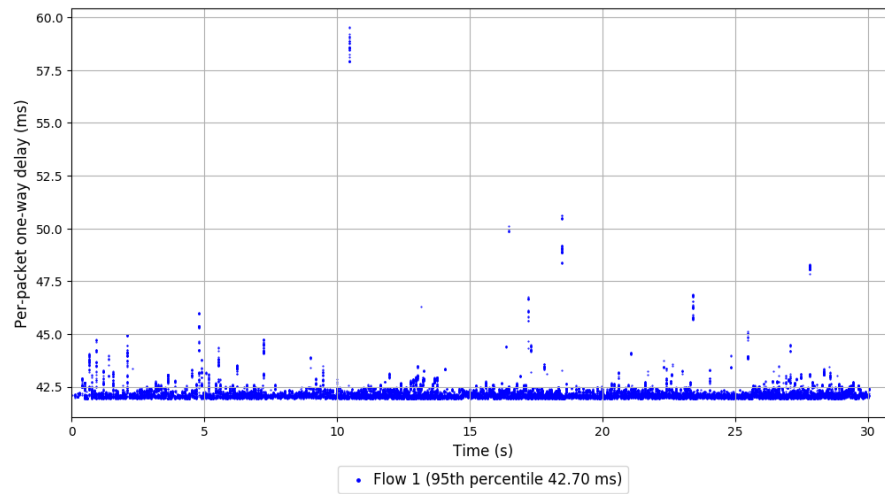
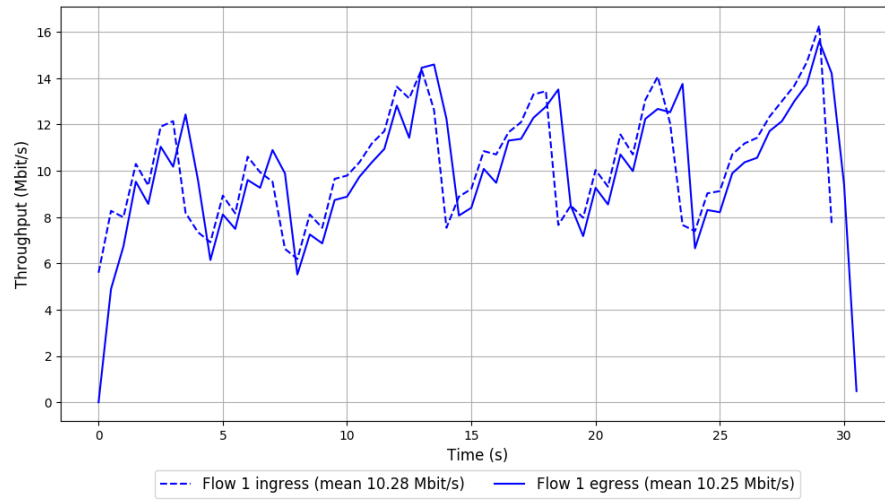
-- Flow 1:

Average throughput: 10.25 Mbit/s

95th percentile per-packet one-way delay: 42.695 ms

Loss rate: 0.29%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2021-03-08 19:14:25

End at: 2021-03-08 19:14:55

Below is generated by plot.py at 2021-03-08 19:36:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 42.617 ms

Loss rate: 0.53%

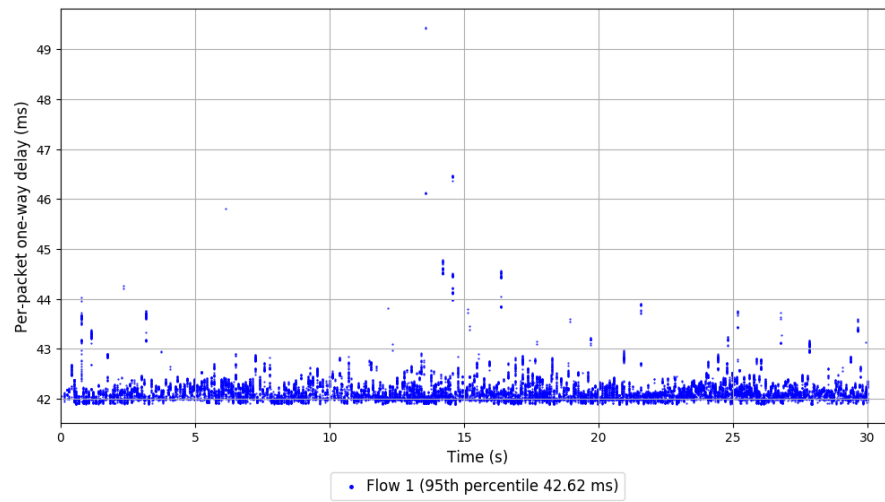
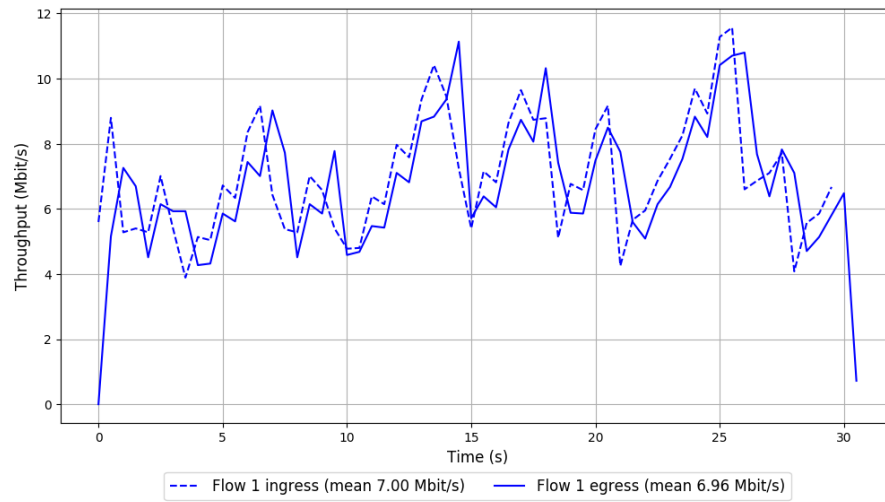
-- Flow 1:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 42.617 ms

Loss rate: 0.53%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2021-03-08 19:23:31

End at: 2021-03-08 19:24:01

Below is generated by plot.py at 2021-03-08 19:36:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 43.801 ms

Loss rate: 0.41%

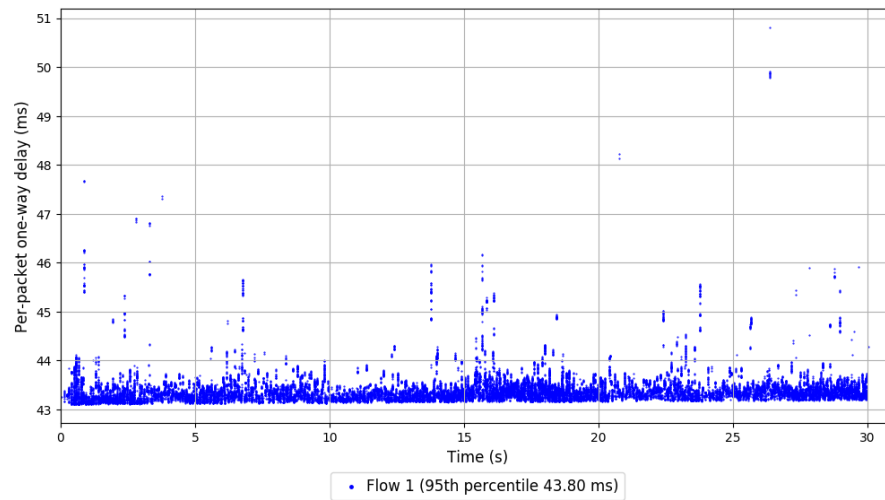
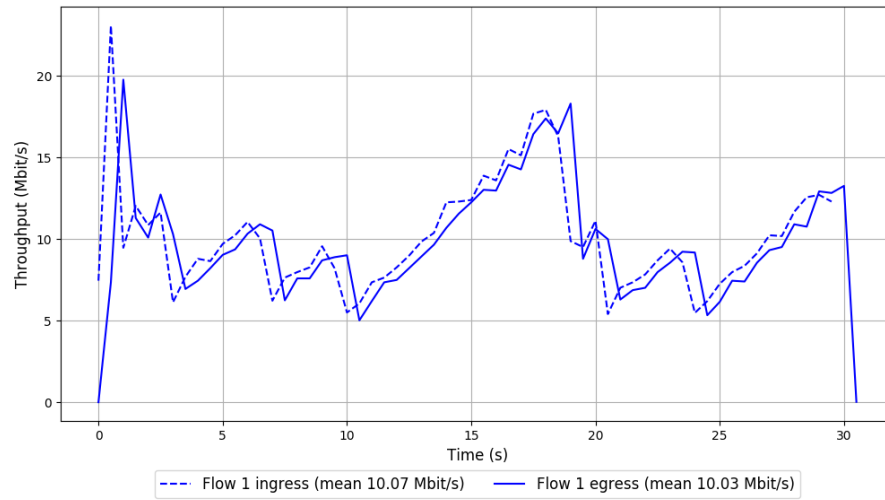
-- Flow 1:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 43.801 ms

Loss rate: 0.41%

Run 3: Report of TCP Vegas — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2021-03-08 19:03:46

End at: 2021-03-08 19:04:16

Below is generated by plot.py at 2021-03-08 19:36:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 111.92 Mbit/s

95th percentile per-packet one-way delay: 44.249 ms

Loss rate: 5.25%

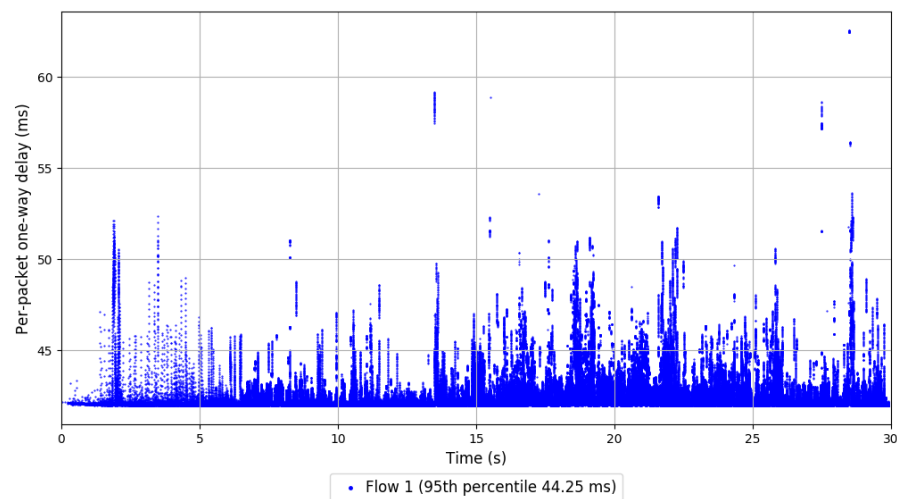
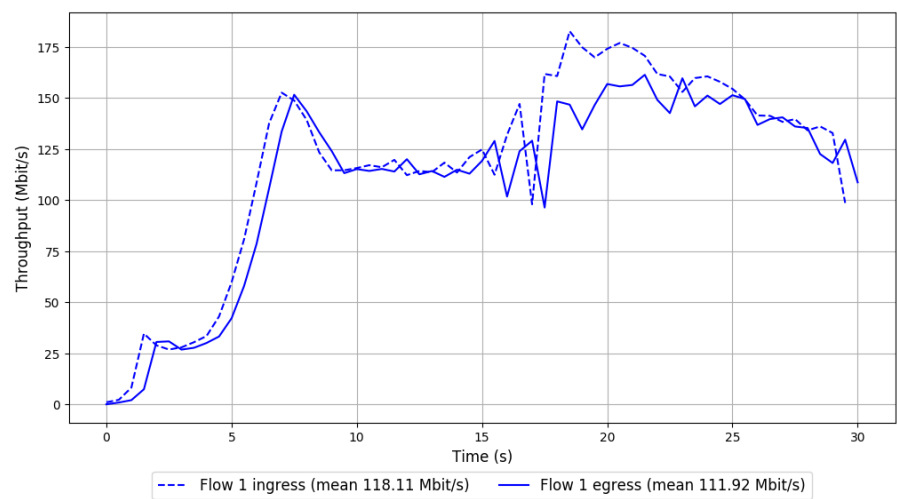
-- Flow 1:

Average throughput: 111.92 Mbit/s

95th percentile per-packet one-way delay: 44.249 ms

Loss rate: 5.25%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2021-03-08 19:12:54

End at: 2021-03-08 19:13:24

Below is generated by plot.py at 2021-03-08 19:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.69 Mbit/s

95th percentile per-packet one-way delay: 42.720 ms

Loss rate: 1.18%

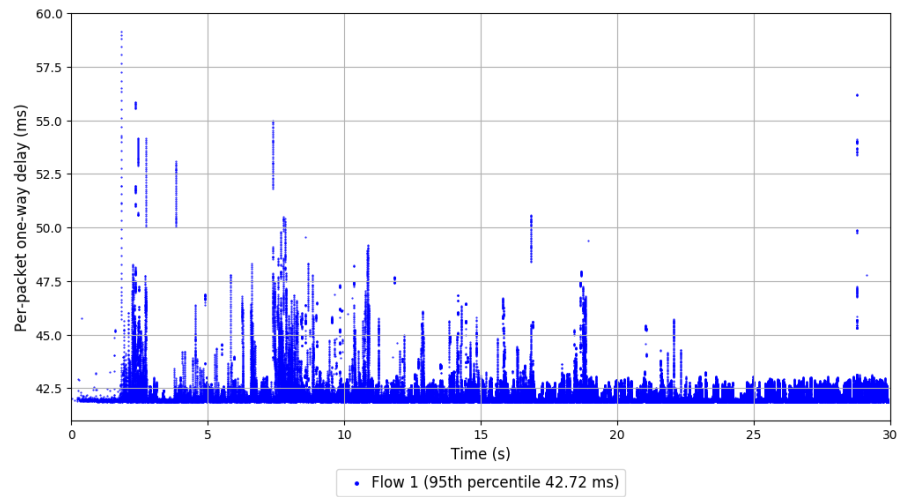
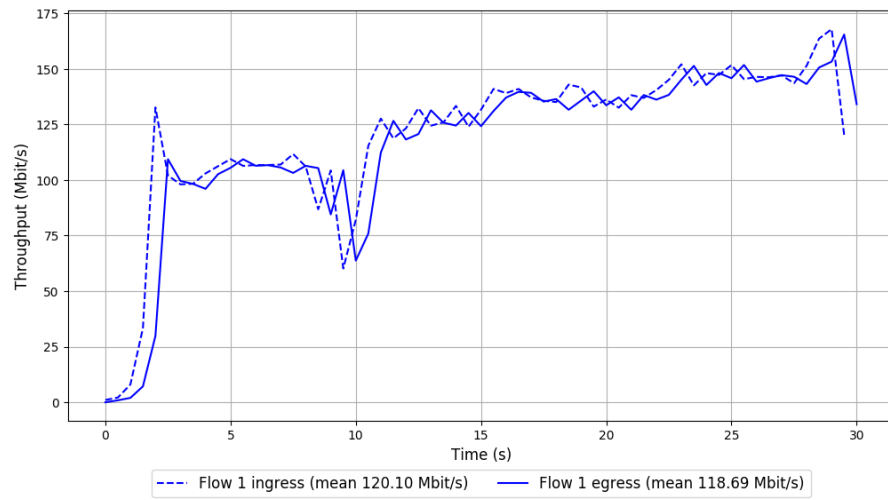
-- Flow 1:

Average throughput: 118.69 Mbit/s

95th percentile per-packet one-way delay: 42.720 ms

Loss rate: 1.18%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2021-03-08 19:21:59

End at: 2021-03-08 19:22:29

Below is generated by plot.py at 2021-03-08 19:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 43.846 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 43.846 ms

Loss rate: 0.83%

Run 3: Report of PCC-Vivace — Data Link

