

Pantheon Report

Generated at 2021-03-07 21:02:25 (UTC).

Data path: (*local*) → (*remote*).

Repeated the test of 12 congestion control schemes 3 times.

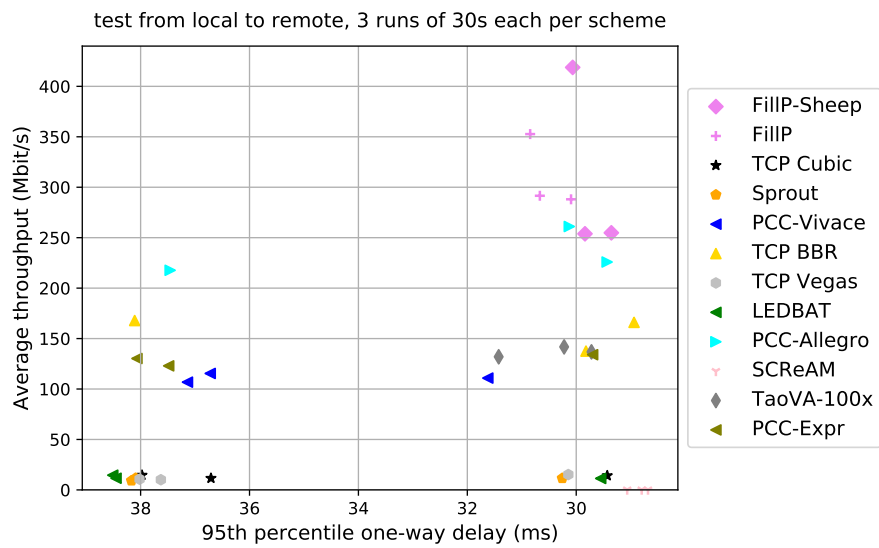
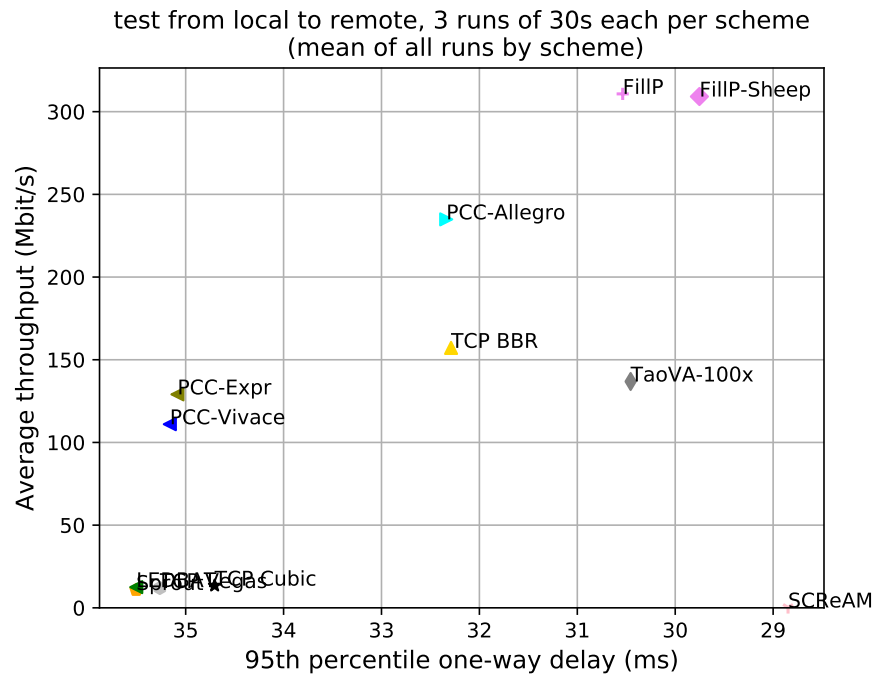
Each test lasted for 30 seconds running 1 flow.

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 @ e4f618ba96dd12a4bc31e8e1dcf3809f1363e20c
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	157.18	32.29	3.85
TCP Cubic	3	13.43	34.70	0.39
FillP	3	310.75	30.54	11.44
FillP-Sheep	3	309.15	29.75	7.37
LEDBAT	3	12.51	35.51	0.56
PCC-Allegro	3	234.88	32.34	4.43
PCC-Expr	3	129.06	35.08	4.48
SCReAM	3	0.21	28.85	0.04
Sprout	3	10.81	35.51	1.20
TaoVA-100x	3	136.86	30.46	7.12
TCP Vegas	3	11.98	35.26	0.90
PCC-Vivace	3	111.02	35.16	2.71

Run 1: Statistics of TCP BBR

Start at: 2021-03-07 20:23:27

End at: 2021-03-07 20:23:57

Below is generated by plot.py at 2021-03-07 20:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.07 Mbit/s

95th percentile per-packet one-way delay: 28.938 ms

Loss rate: 3.71%

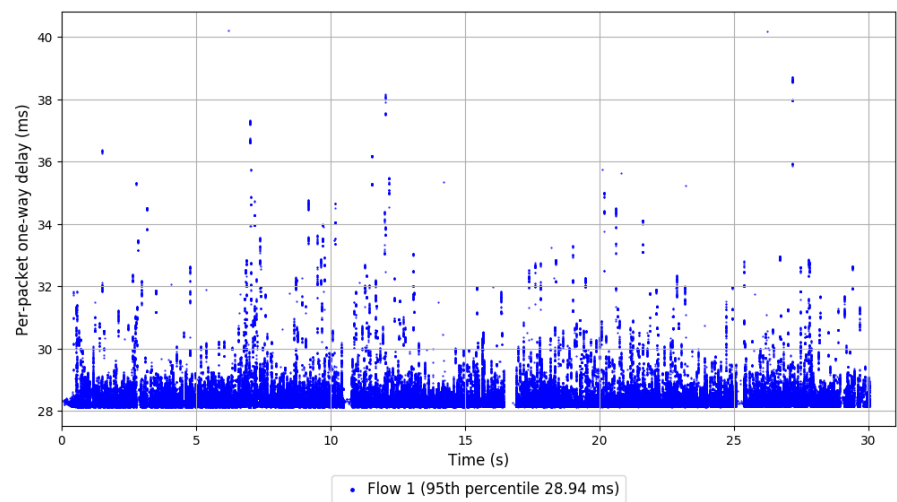
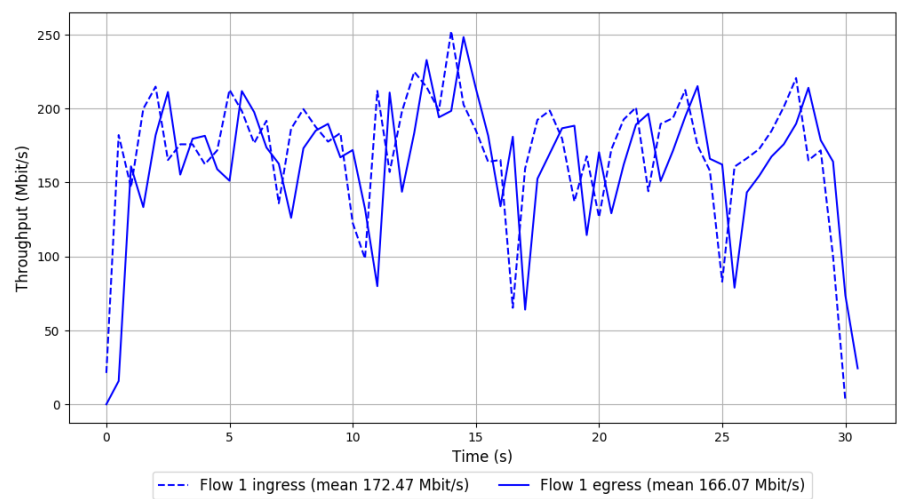
-- Flow 1:

Average throughput: 166.07 Mbit/s

95th percentile per-packet one-way delay: 28.938 ms

Loss rate: 3.71%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2021-03-07 20:32:23

End at: 2021-03-07 20:32:53

Below is generated by plot.py at 2021-03-07 20:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.87 Mbit/s

95th percentile per-packet one-way delay: 38.109 ms

Loss rate: 2.77%

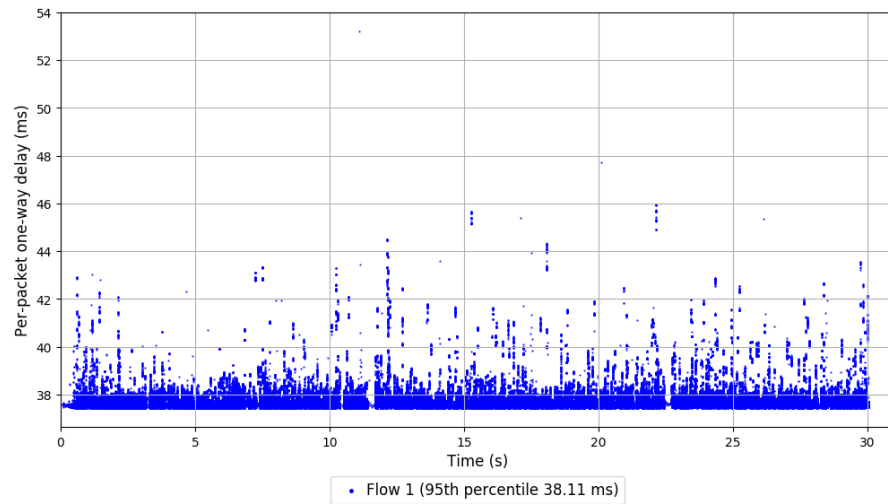
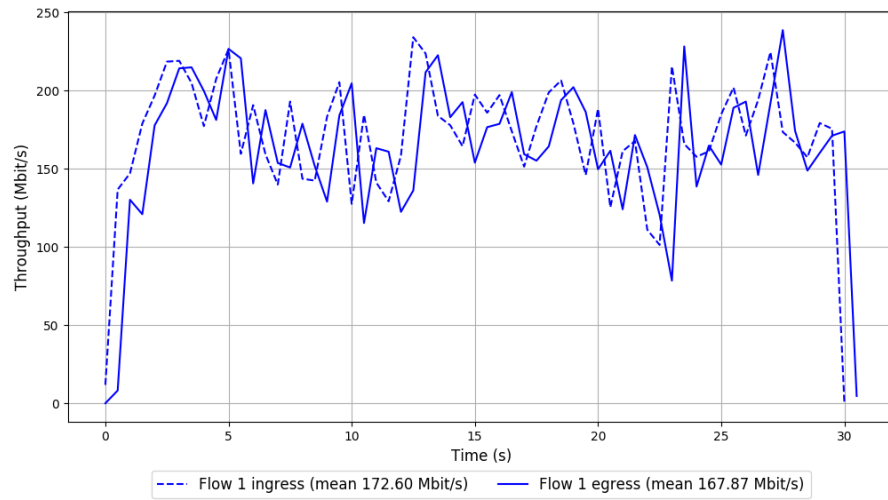
-- Flow 1:

Average throughput: 167.87 Mbit/s

95th percentile per-packet one-way delay: 38.109 ms

Loss rate: 2.77%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2021-03-07 20:41:27

End at: 2021-03-07 20:41:57

Below is generated by plot.py at 2021-03-07 20:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.60 Mbit/s

95th percentile per-packet one-way delay: 29.821 ms

Loss rate: 5.08%

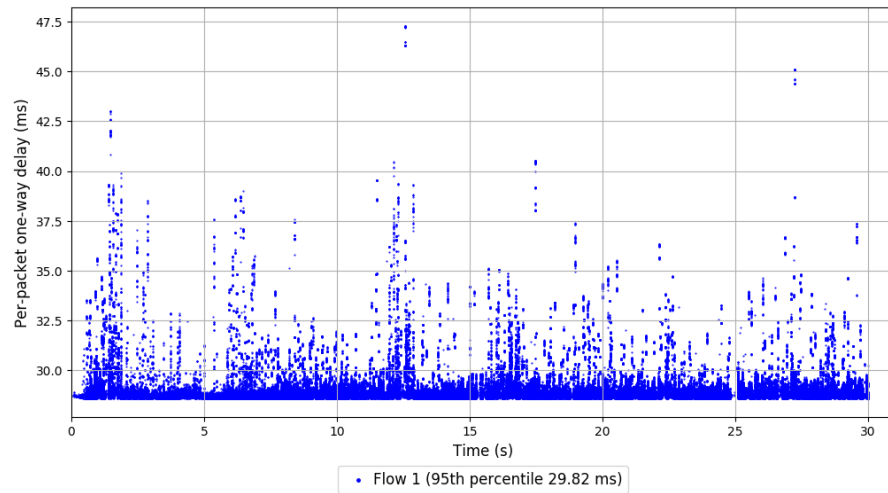
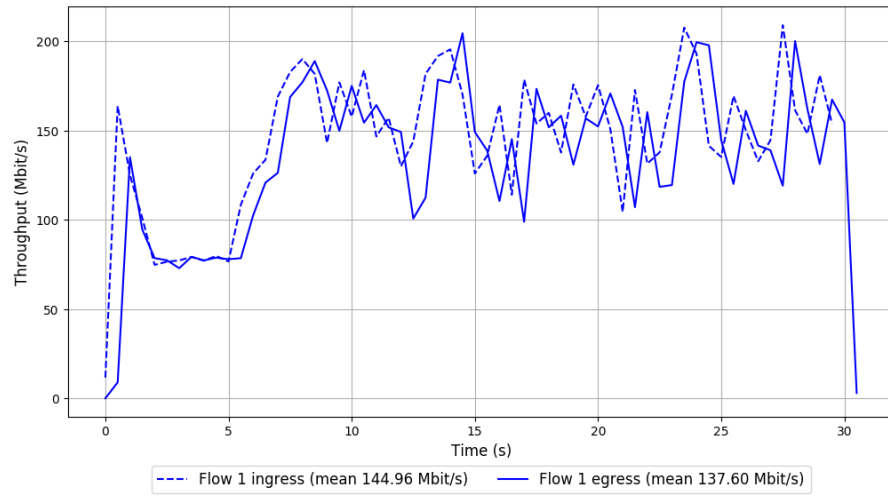
-- Flow 1:

Average throughput: 137.60 Mbit/s

95th percentile per-packet one-way delay: 29.821 ms

Loss rate: 5.08%

Run 3: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2021-03-07 20:21:21

End at: 2021-03-07 20:21:51

Below is generated by plot.py at 2021-03-07 20:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 37.975 ms

Loss rate: 0.32%

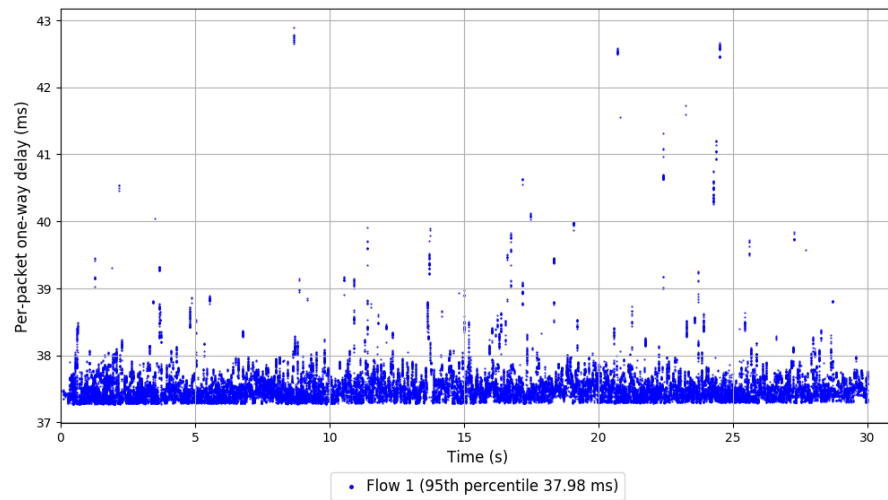
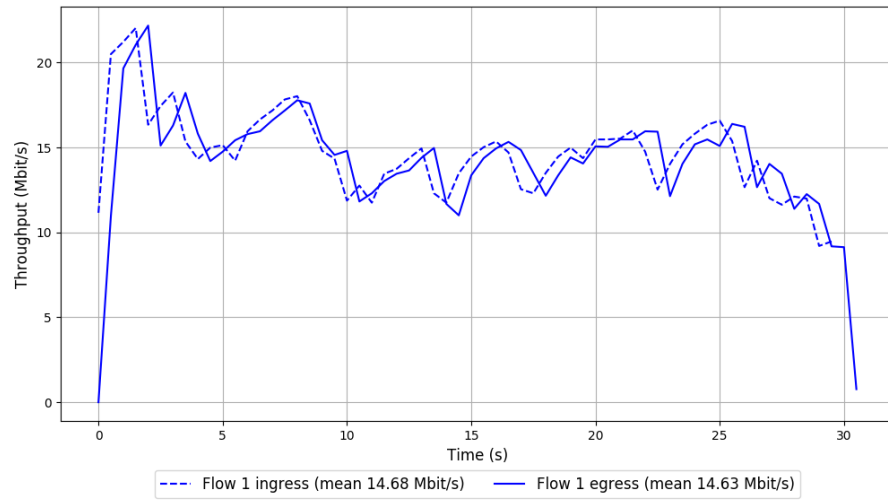
-- Flow 1:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 37.975 ms

Loss rate: 0.32%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2021-03-07 20:30:19

End at: 2021-03-07 20:30:49

Below is generated by plot.py at 2021-03-07 20:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.12 Mbit/s

95th percentile per-packet one-way delay: 29.430 ms

Loss rate: 0.26%

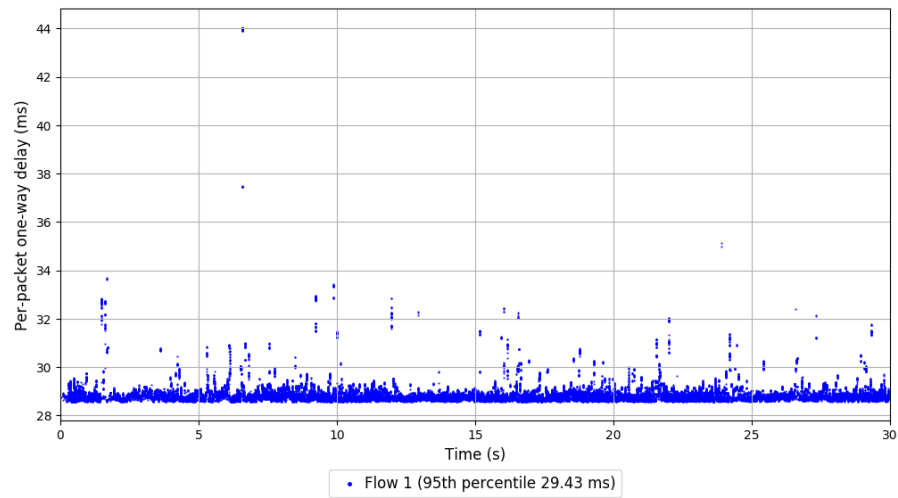
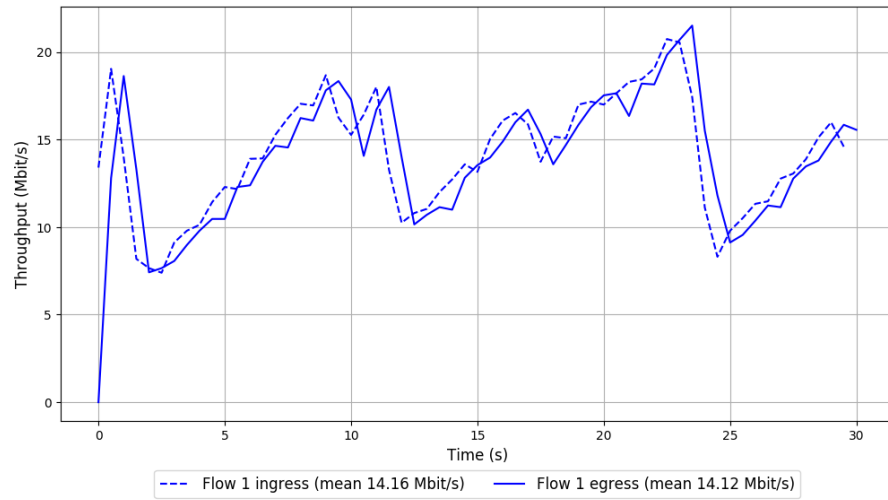
-- Flow 1:

Average throughput: 14.12 Mbit/s

95th percentile per-packet one-way delay: 29.430 ms

Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2021-03-07 20:39:21

End at: 2021-03-07 20:39:51

Below is generated by plot.py at 2021-03-07 20:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 36.708 ms

Loss rate: 0.59%

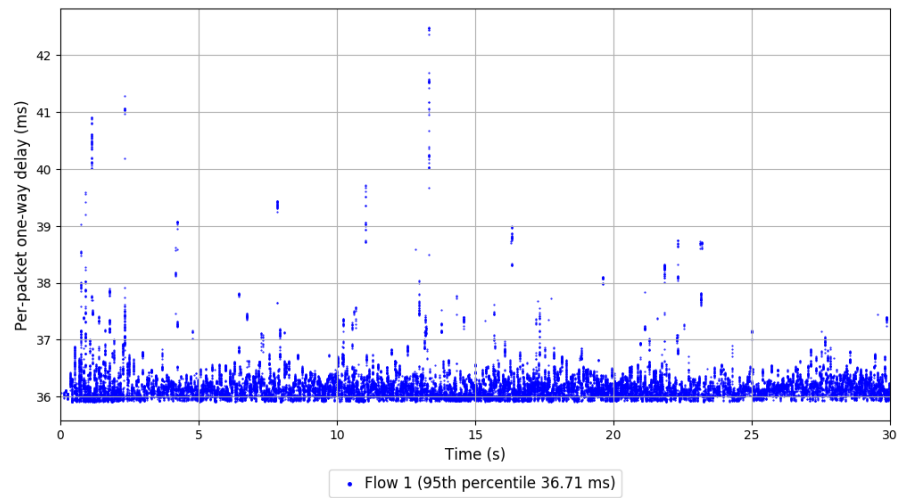
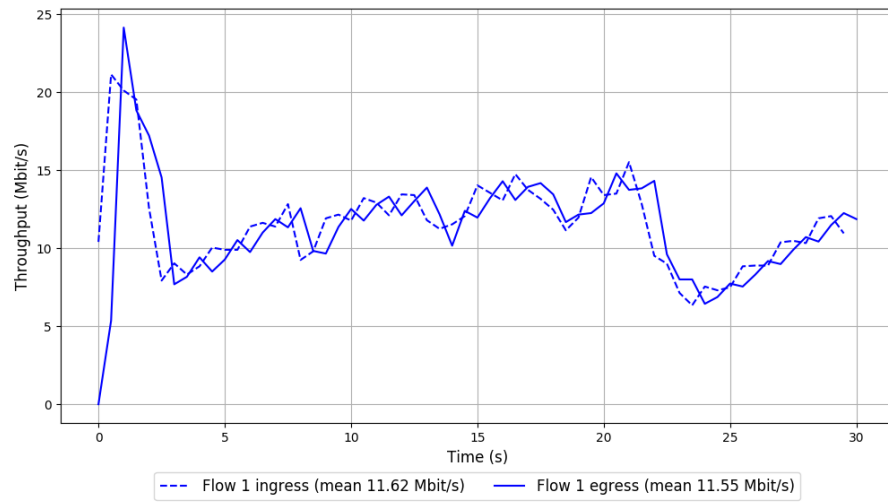
-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 36.708 ms

Loss rate: 0.59%

Run 3: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2021-03-07 20:20:29

End at: 2021-03-07 20:20:59

Below is generated by plot.py at 2021-03-07 20:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.54 Mbit/s

95th percentile per-packet one-way delay: 30.668 ms

Loss rate: 12.97%

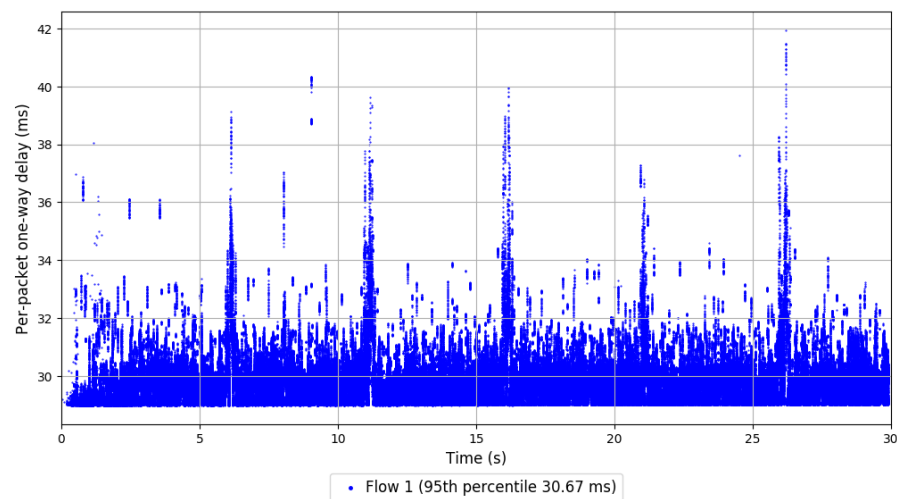
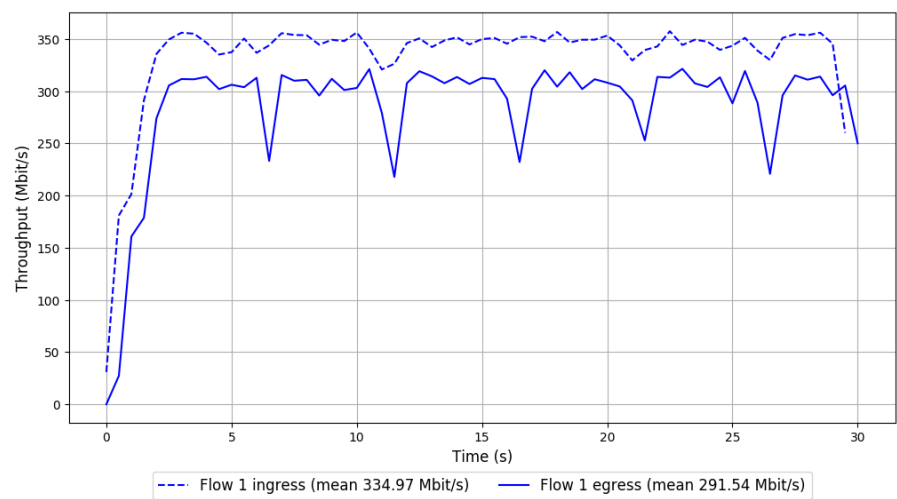
-- Flow 1:

Average throughput: 291.54 Mbit/s

95th percentile per-packet one-way delay: 30.668 ms

Loss rate: 12.97%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2021-03-07 20:29:27

End at: 2021-03-07 20:29:57

Below is generated by plot.py at 2021-03-07 20:55:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 288.04 Mbit/s

95th percentile per-packet one-way delay: 30.095 ms

Loss rate: 13.97%

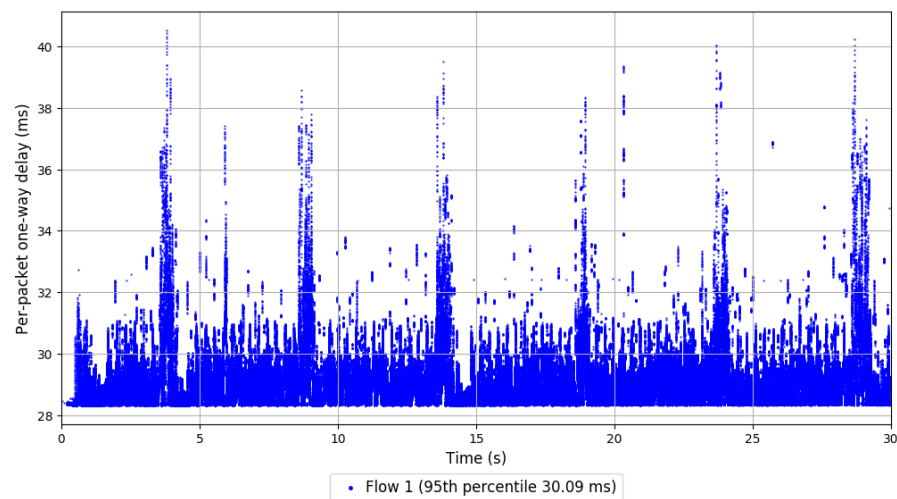
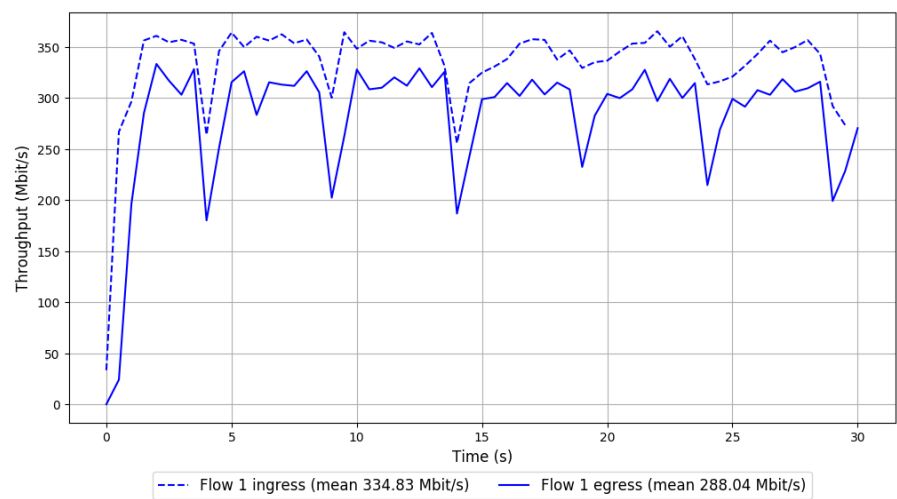
-- Flow 1:

Average throughput: 288.04 Mbit/s

95th percentile per-packet one-way delay: 30.095 ms

Loss rate: 13.97%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2021-03-07 20:38:30

End at: 2021-03-07 20:39:00

Below is generated by plot.py at 2021-03-07 20:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.68 Mbit/s

95th percentile per-packet one-way delay: 30.846 ms

Loss rate: 7.38%

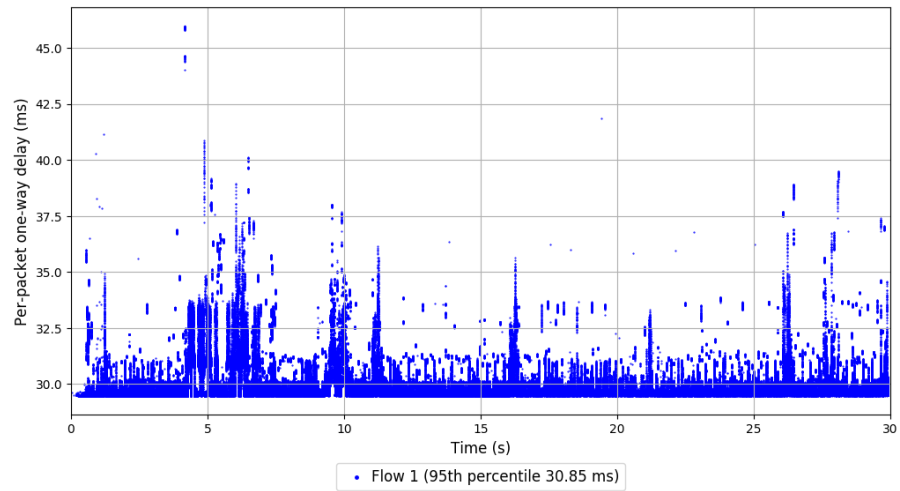
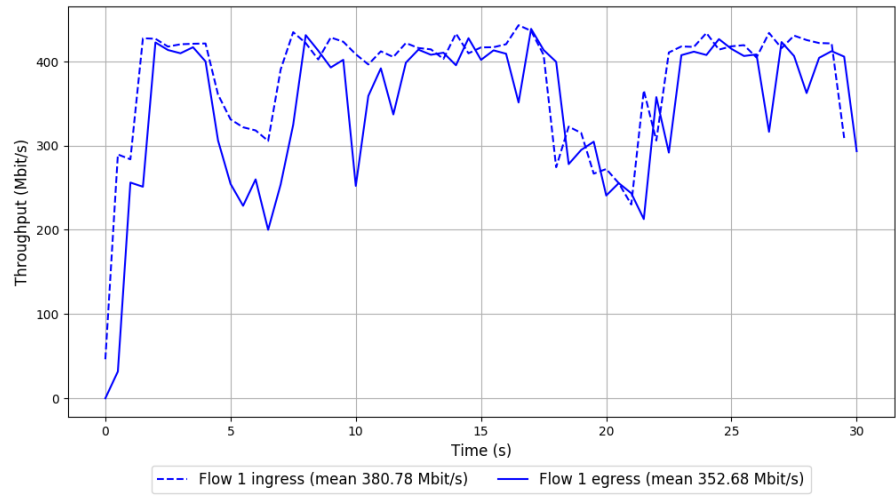
-- Flow 1:

Average throughput: 352.68 Mbit/s

95th percentile per-packet one-way delay: 30.846 ms

Loss rate: 7.38%

Run 3: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2021-03-07 20:19:40

End at: 2021-03-07 20:20:10

Below is generated by plot.py at 2021-03-07 20:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.82 Mbit/s

95th percentile per-packet one-way delay: 29.355 ms

Loss rate: 8.70%

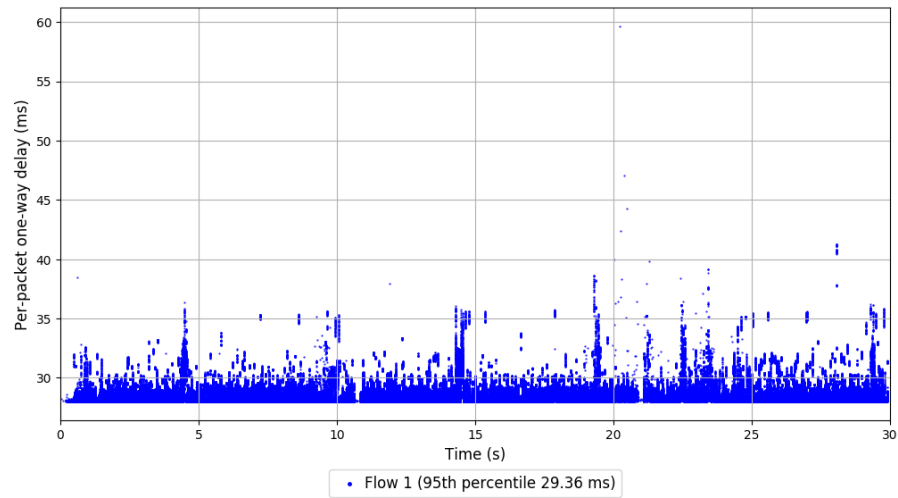
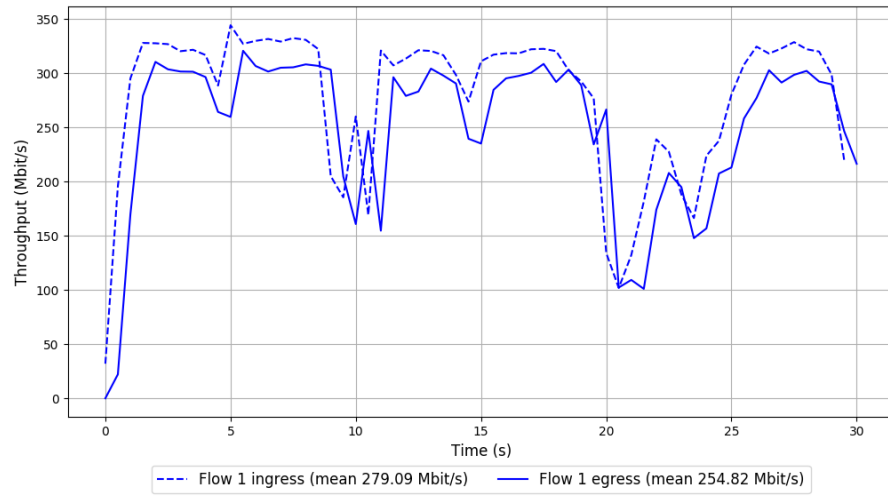
-- Flow 1:

Average throughput: 254.82 Mbit/s

95th percentile per-packet one-way delay: 29.355 ms

Loss rate: 8.70%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2021-03-07 20:28:39

End at: 2021-03-07 20:29:09

Below is generated by plot.py at 2021-03-07 20:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.86 Mbit/s

95th percentile per-packet one-way delay: 29.839 ms

Loss rate: 9.05%

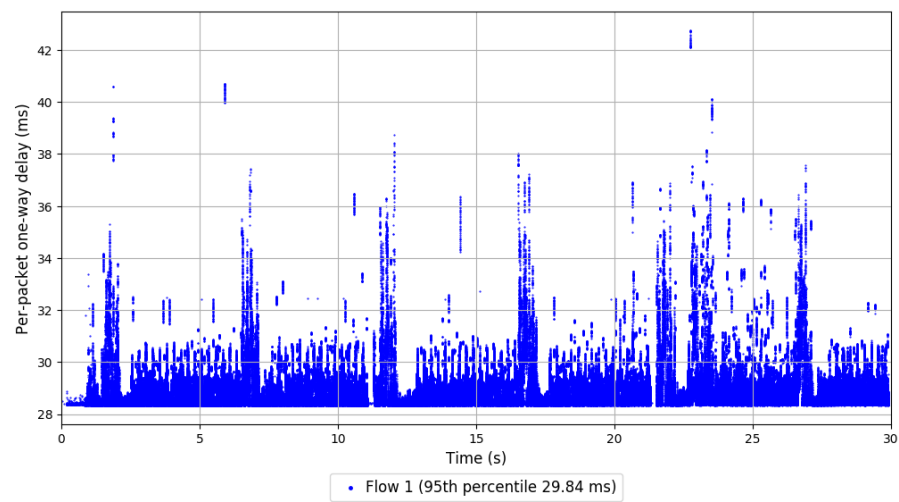
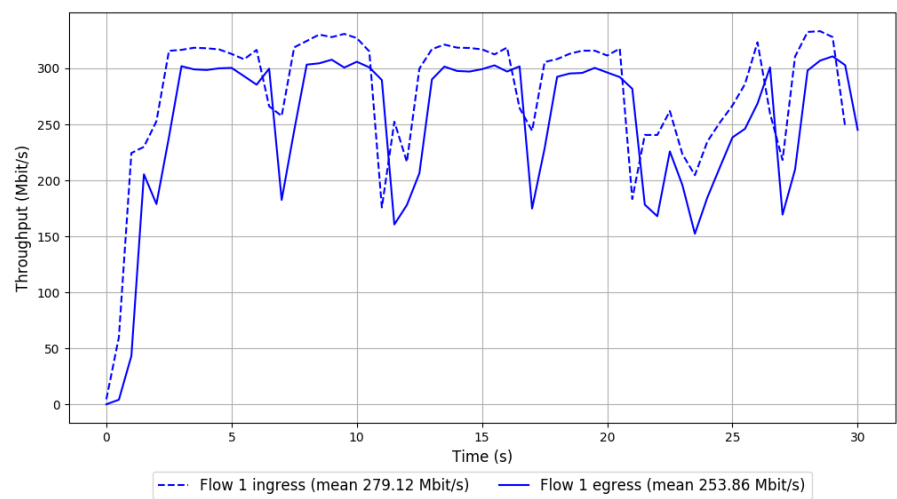
-- Flow 1:

Average throughput: 253.86 Mbit/s

95th percentile per-packet one-way delay: 29.839 ms

Loss rate: 9.05%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2021-03-07 20:37:36

End at: 2021-03-07 20:38:06

Below is generated by plot.py at 2021-03-07 20:58:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 418.77 Mbit/s

95th percentile per-packet one-way delay: 30.065 ms

Loss rate: 4.35%

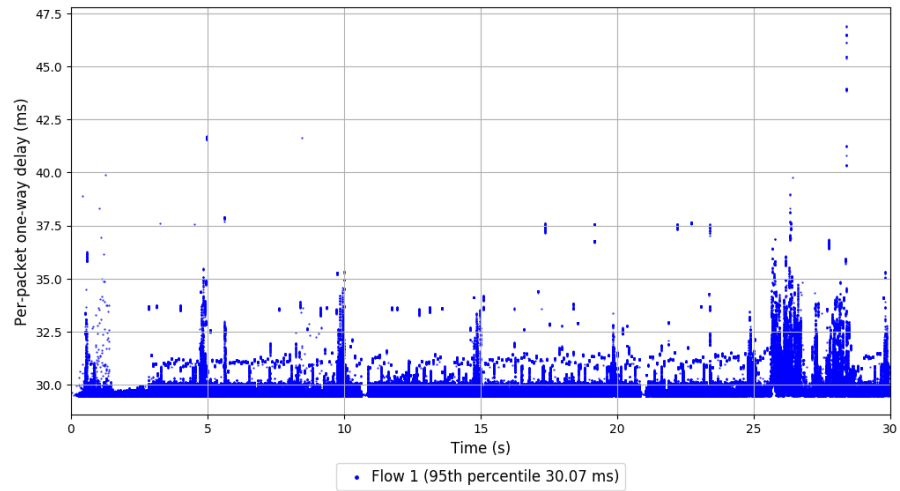
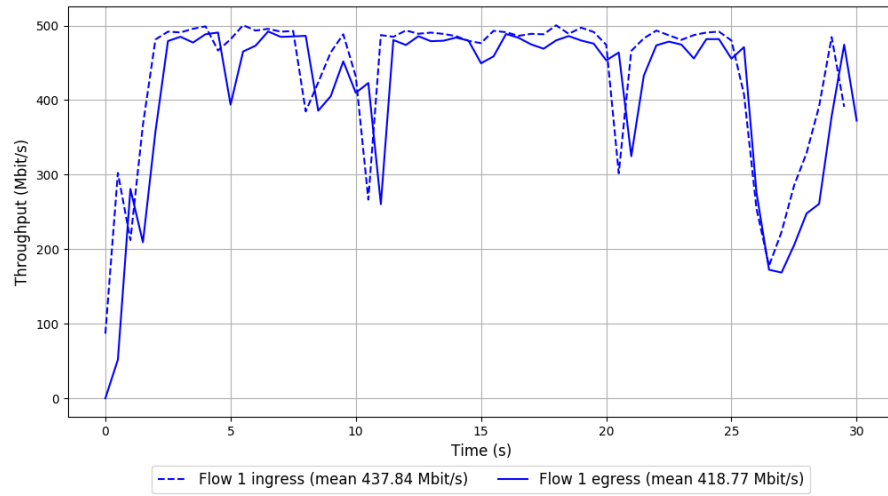
-- Flow 1:

Average throughput: 418.77 Mbit/s

95th percentile per-packet one-way delay: 30.065 ms

Loss rate: 4.35%

Run 3: Report of FillP-Sheep — Data Link

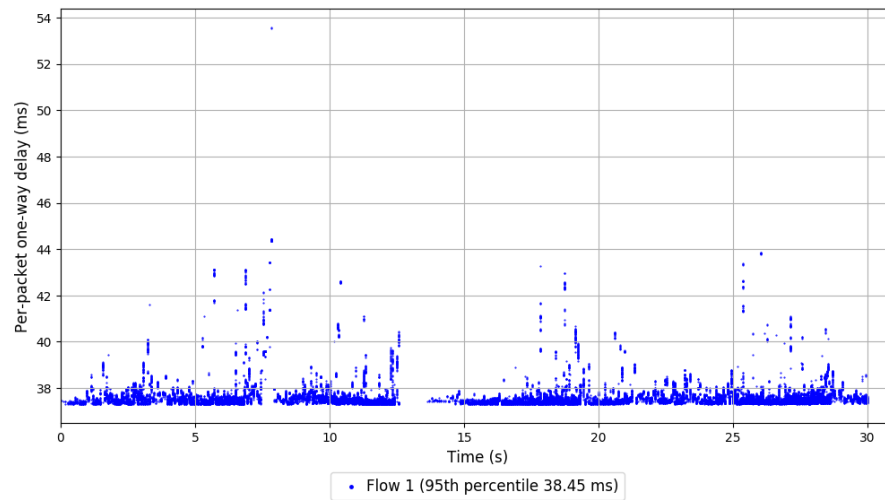
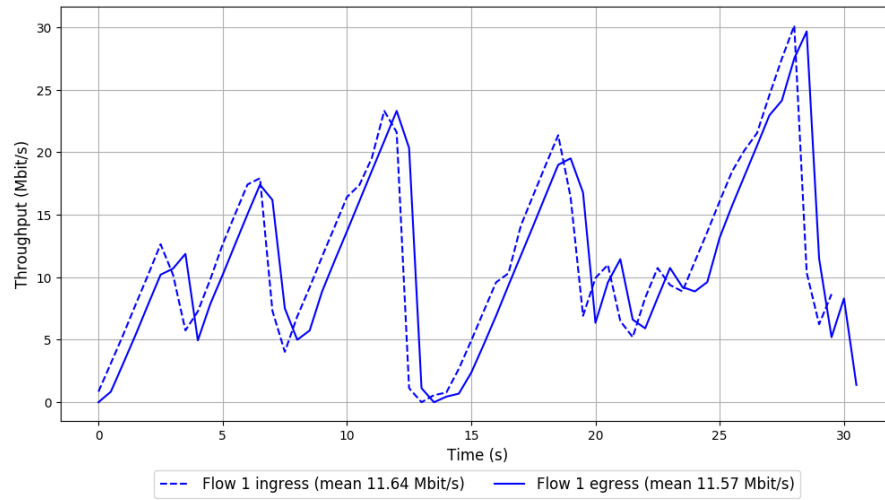


```
Run 1: Statistics of LEDBAT

Start at: 2021-03-07 20:24:53
End at: 2021-03-07 20:25:23

# Below is generated by plot.py at 2021-03-07 20:58:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 38.452 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 38.452 ms
Loss rate: 0.58%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2021-03-07 20:33:49

End at: 2021-03-07 20:34:19

Below is generated by plot.py at 2021-03-07 20:58:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 29.551 ms

Loss rate: 0.62%

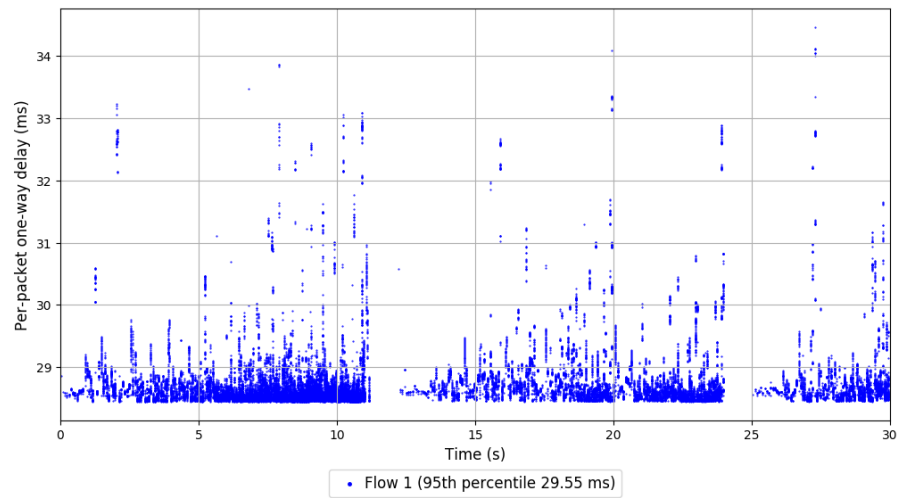
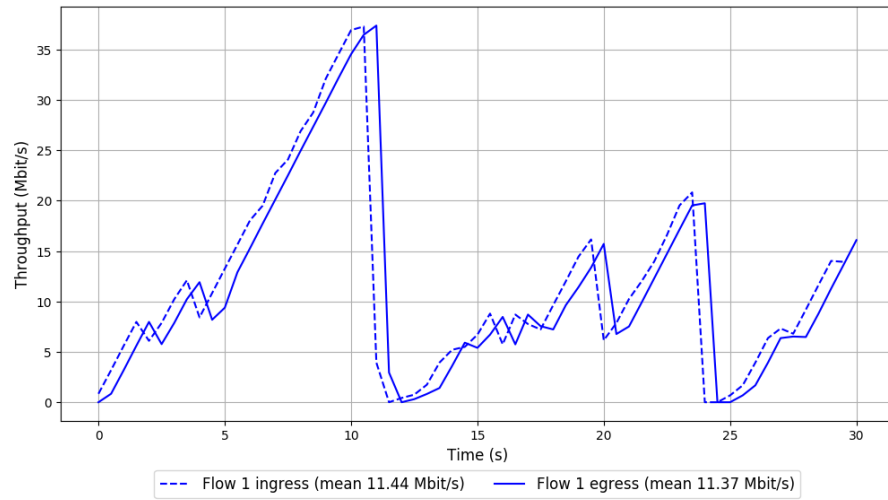
-- Flow 1:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 29.551 ms

Loss rate: 0.62%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2021-03-07 20:42:52

End at: 2021-03-07 20:43:22

Below is generated by plot.py at 2021-03-07 20:58:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 38.512 ms

Loss rate: 0.48%

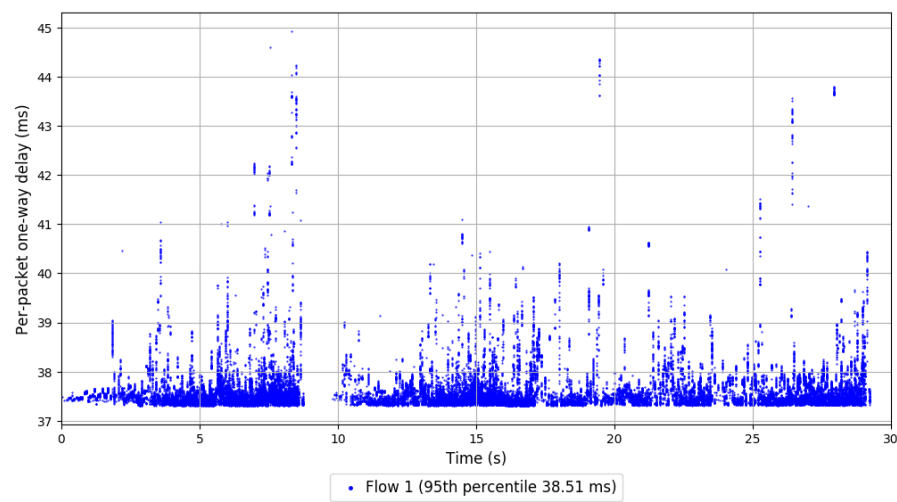
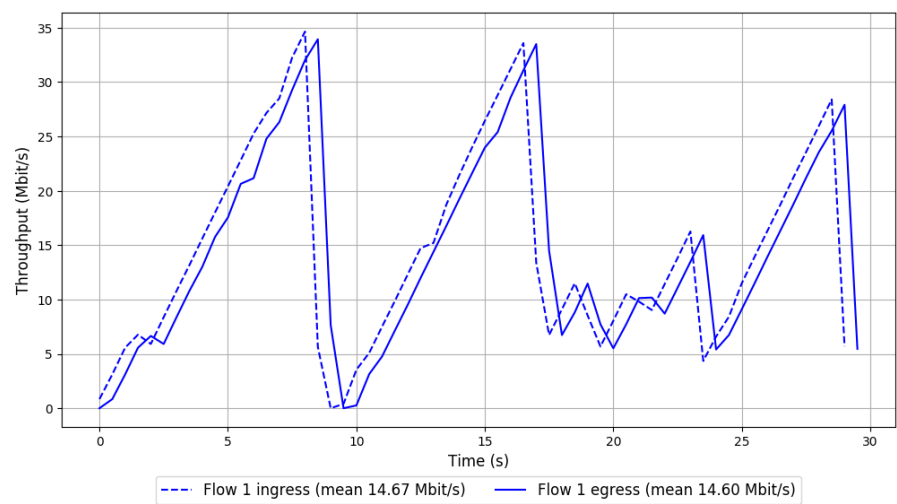
-- Flow 1:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 38.512 ms

Loss rate: 0.48%

Run 3: Report of LEDBAT — Data Link

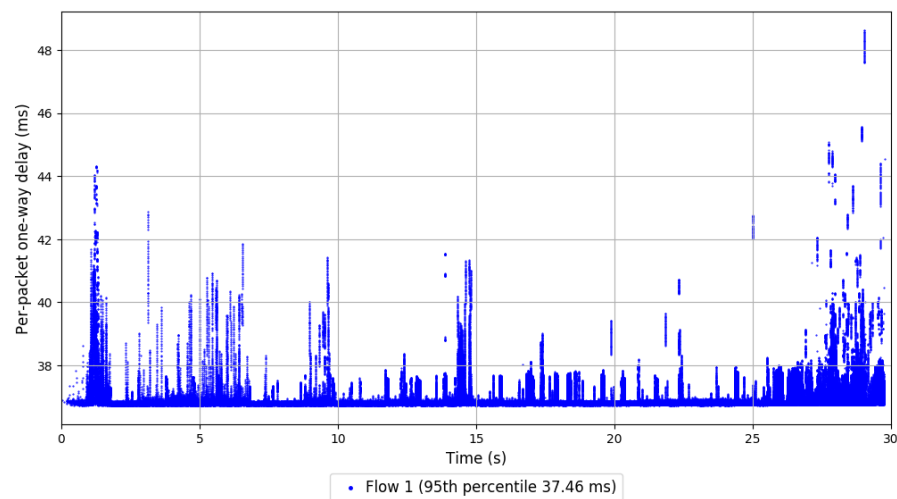
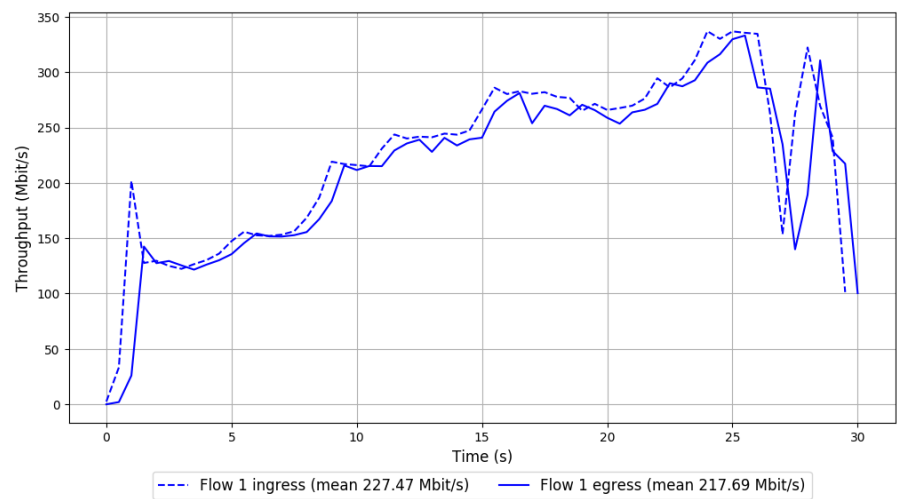


```
Run 1: Statistics of PCC-Allegro

Start at: 2021-03-07 20:25:33
End at: 2021-03-07 20:26:03

# Below is generated by plot.py at 2021-03-07 20:58:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.69 Mbit/s
95th percentile per-packet one-way delay: 37.457 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 217.69 Mbit/s
95th percentile per-packet one-way delay: 37.457 ms
Loss rate: 4.33%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2021-03-07 20:34:29

End at: 2021-03-07 20:34:59

Below is generated by plot.py at 2021-03-07 20:58:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.08 Mbit/s

95th percentile per-packet one-way delay: 30.127 ms

Loss rate: 6.38%

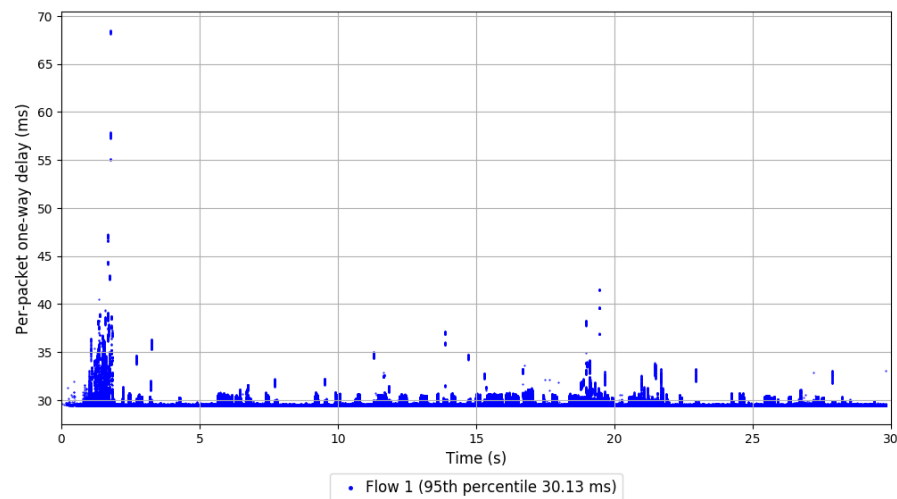
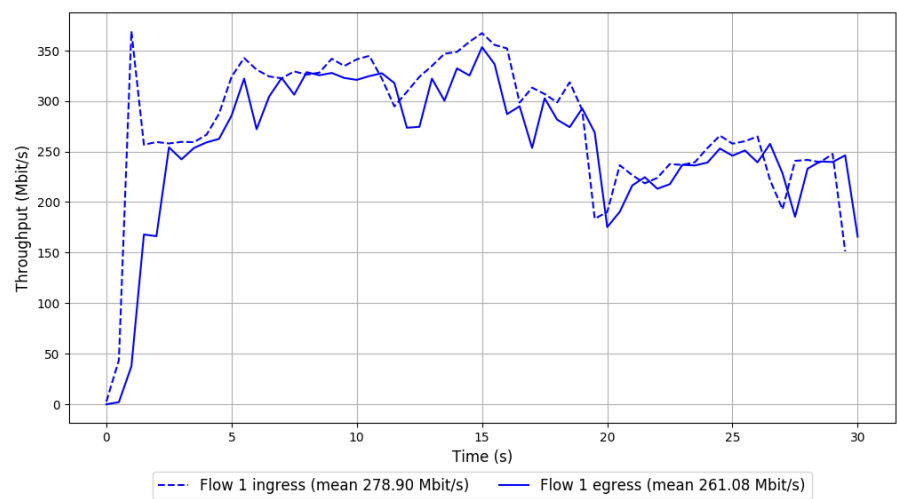
-- Flow 1:

Average throughput: 261.08 Mbit/s

95th percentile per-packet one-way delay: 30.127 ms

Loss rate: 6.38%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2021-03-07 20:43:33

End at: 2021-03-07 20:44:03

Below is generated by plot.py at 2021-03-07 20:58:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.88 Mbit/s

95th percentile per-packet one-way delay: 29.432 ms

Loss rate: 2.57%

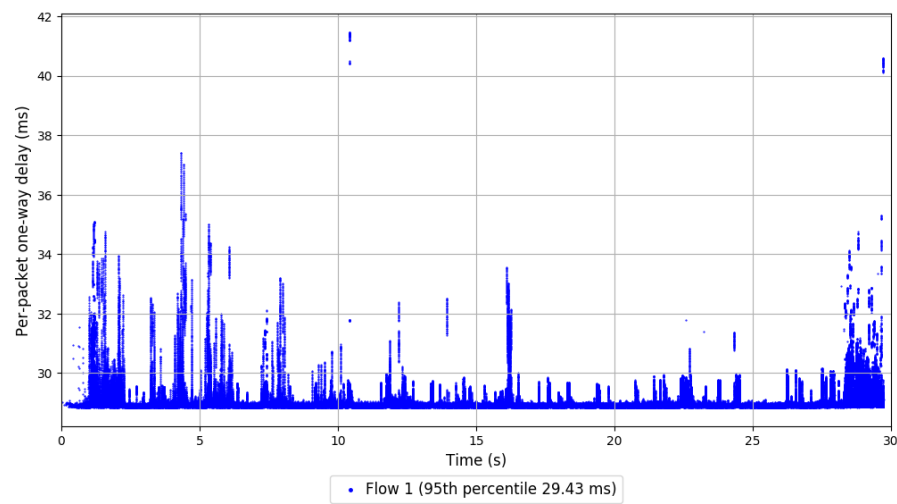
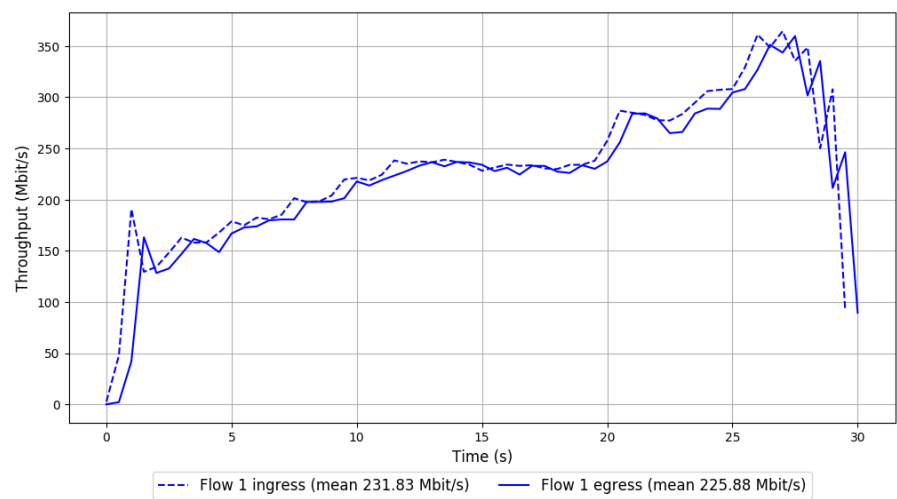
-- Flow 1:

Average throughput: 225.88 Mbit/s

95th percentile per-packet one-way delay: 29.432 ms

Loss rate: 2.57%

Run 3: Report of PCC-Allegro — Data Link

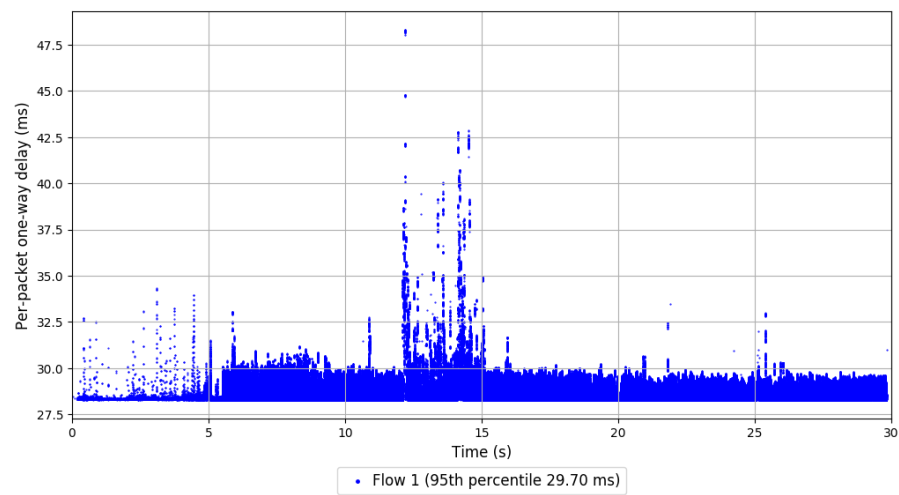
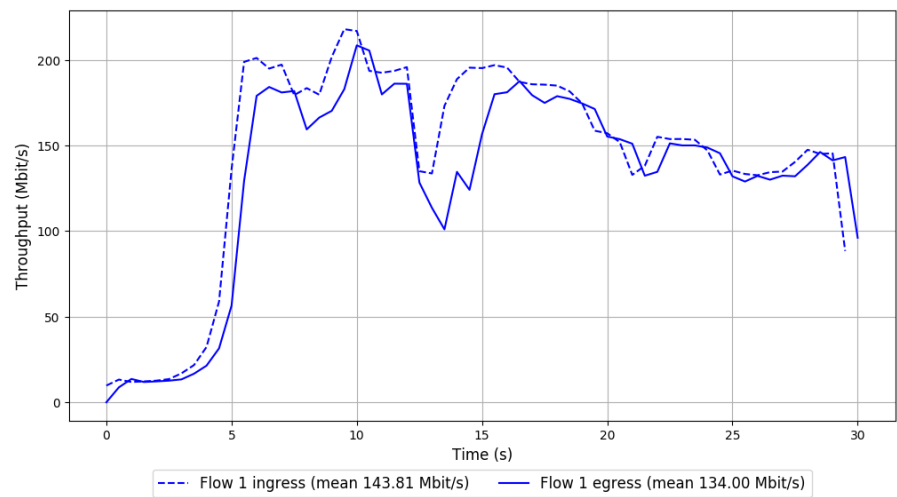


```
Run 1: Statistics of PCC-Expr

Start at: 2021-03-07 20:27:49
End at: 2021-03-07 20:28:19

# Below is generated by plot.py at 2021-03-07 20:59:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.00 Mbit/s
95th percentile per-packet one-way delay: 29.699 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 134.00 Mbit/s
95th percentile per-packet one-way delay: 29.699 ms
Loss rate: 6.81%
```


Run 1: Report of PCC-Expr — Data Link

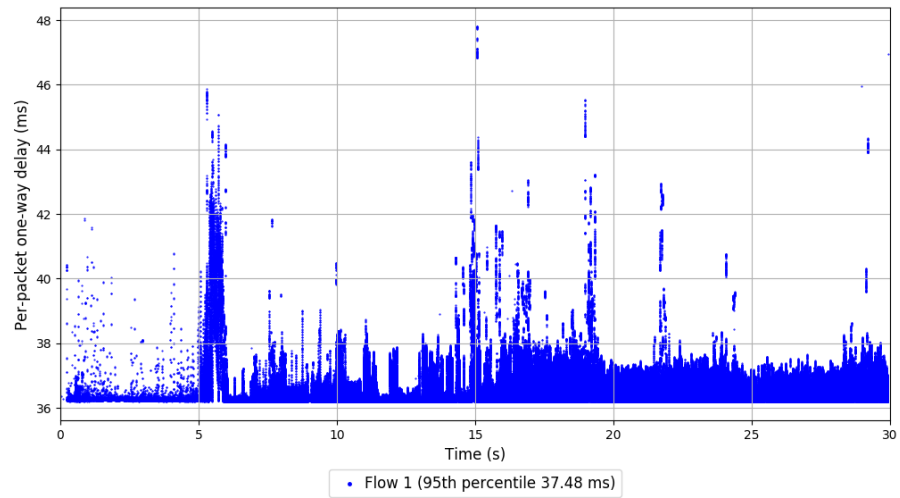
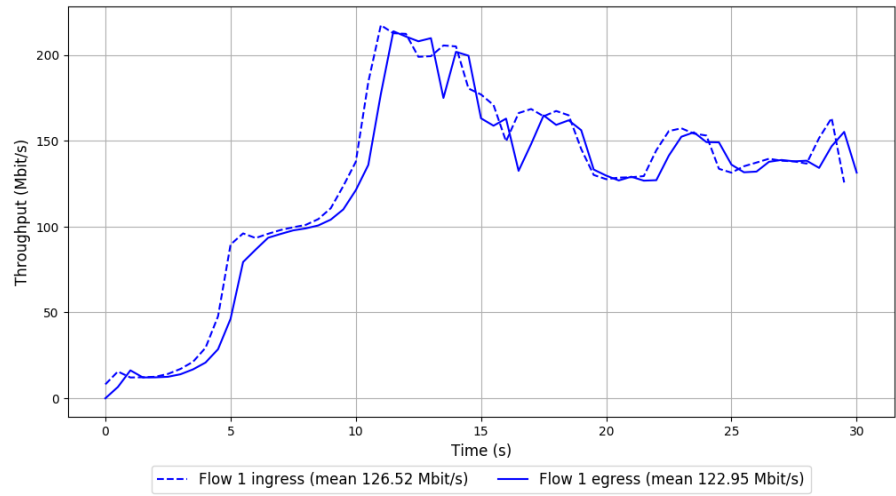


```
Run 2: Statistics of PCC-Expr

Start at: 2021-03-07 20:36:46
End at: 2021-03-07 20:37:16

# Below is generated by plot.py at 2021-03-07 20:59:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.95 Mbit/s
95th percentile per-packet one-way delay: 37.485 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 122.95 Mbit/s
95th percentile per-packet one-way delay: 37.485 ms
Loss rate: 2.85%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2021-03-07 20:45:51

End at: 2021-03-07 20:46:21

Below is generated by plot.py at 2021-03-07 21:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.24 Mbit/s

95th percentile per-packet one-way delay: 38.068 ms

Loss rate: 3.77%

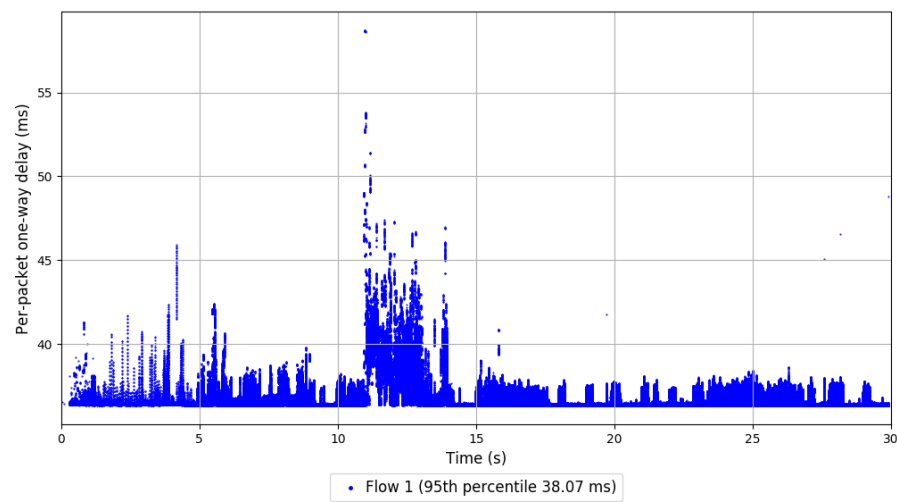
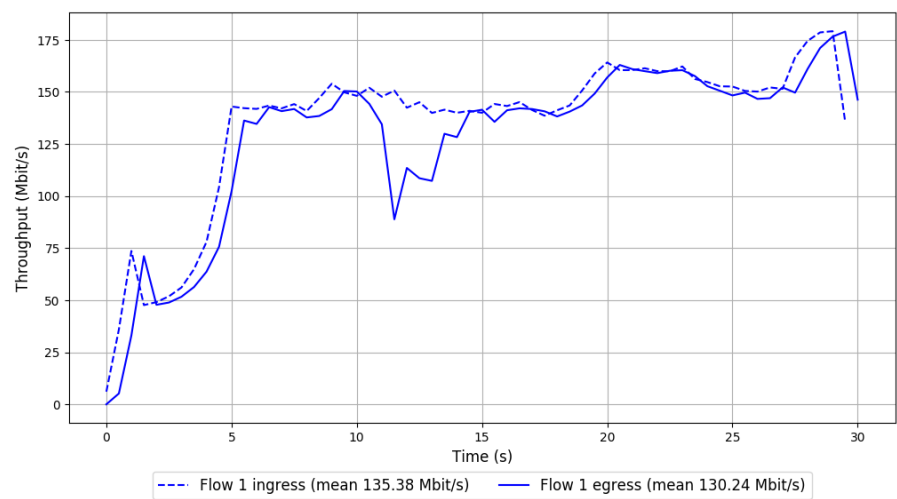
-- Flow 1:

Average throughput: 130.24 Mbit/s

95th percentile per-packet one-way delay: 38.068 ms

Loss rate: 3.77%

Run 3: Report of PCC-Expr — Data Link

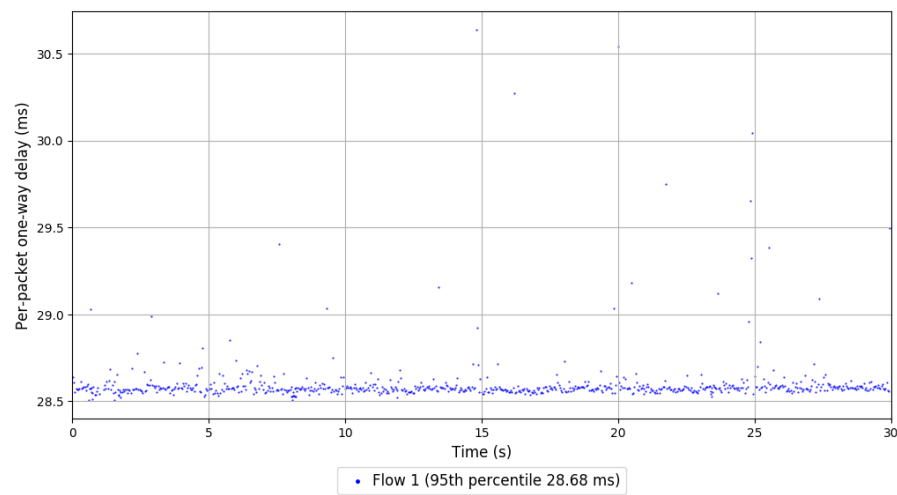
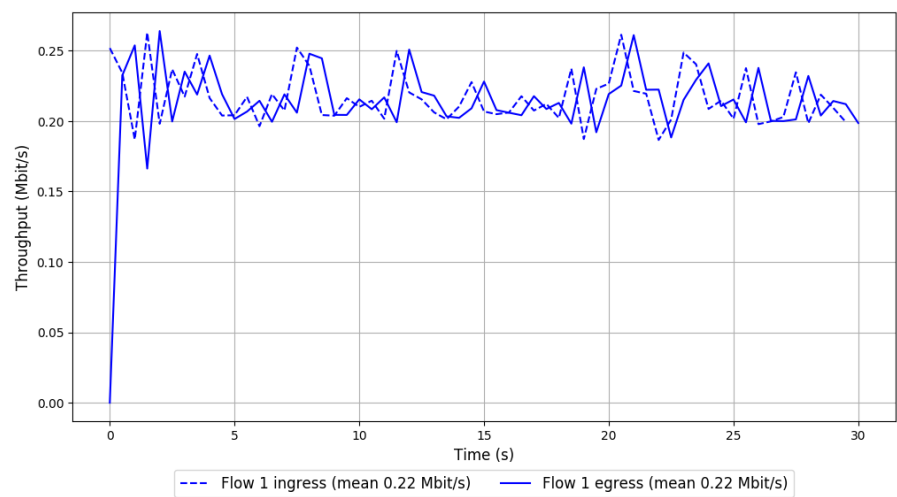


```
Run 1: Statistics of SCReAM

Start at: 2021-03-07 20:26:20
End at: 2021-03-07 20:26:50

# Below is generated by plot.py at 2021-03-07 21:00:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.682 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.682 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2021-03-07 20:35:17

End at: 2021-03-07 20:35:47

Below is generated by plot.py at 2021-03-07 21:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.797 ms

Loss rate: 0.00%

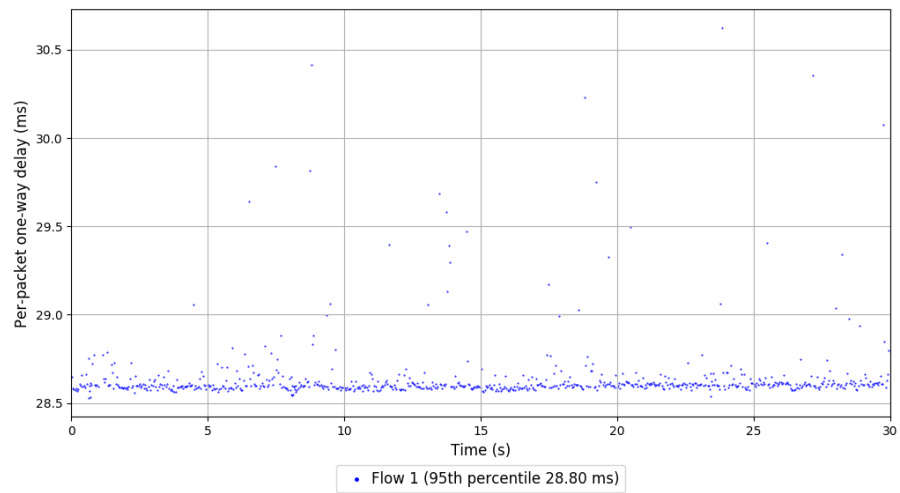
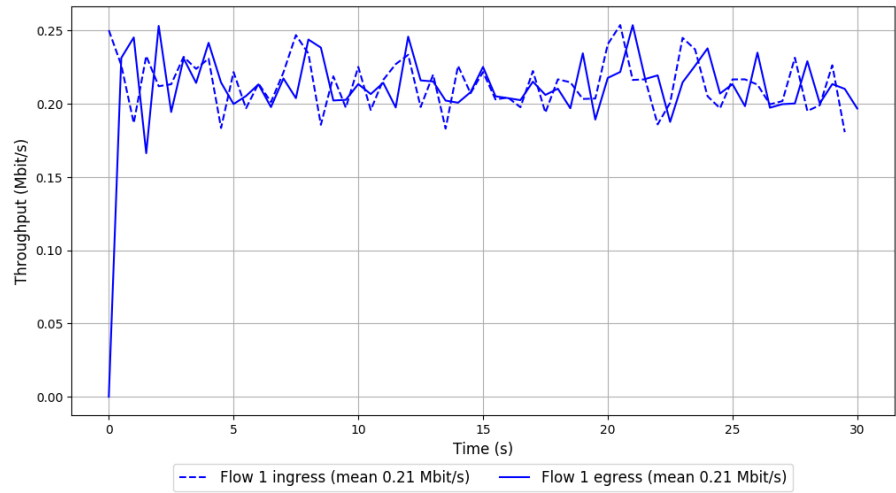
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.797 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2021-03-07 20:44:20

End at: 2021-03-07 20:44:50

Below is generated by plot.py at 2021-03-07 21:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.064 ms

Loss rate: 0.00%

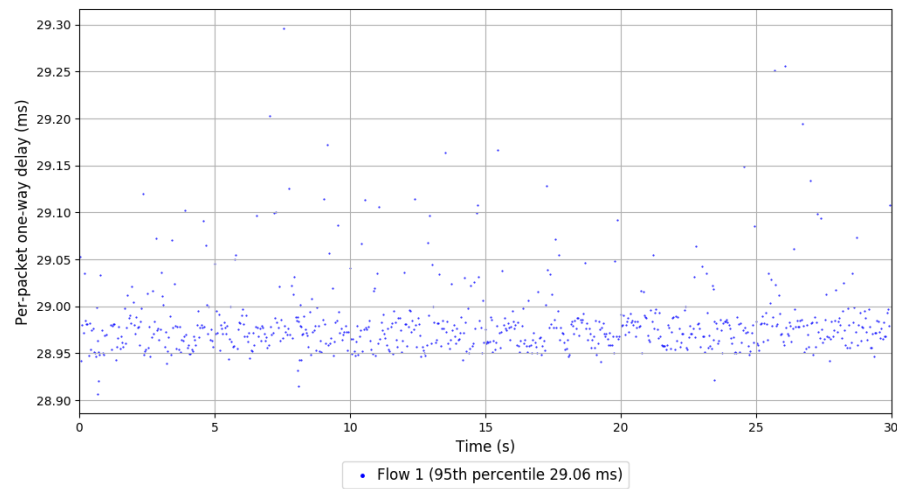
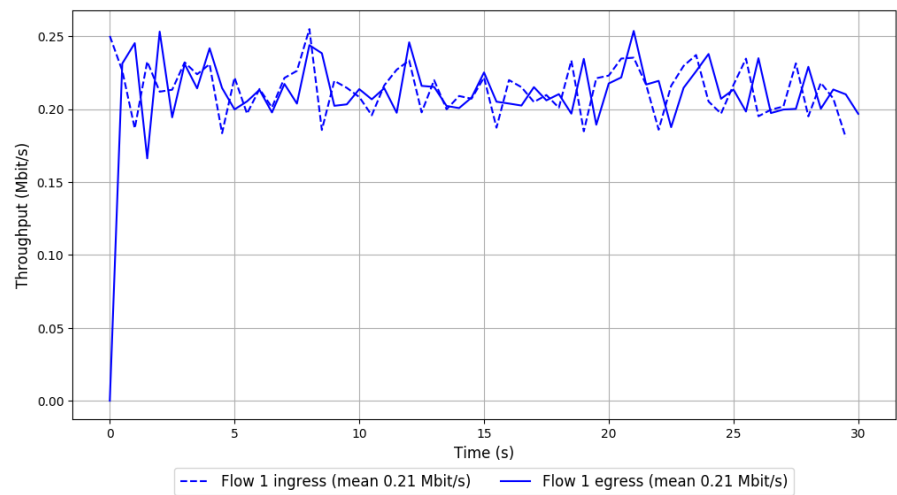
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.064 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2021-03-07 20:22:02

End at: 2021-03-07 20:22:32

Below is generated by plot.py at 2021-03-07 21:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 38.168 ms

Loss rate: 2.27%

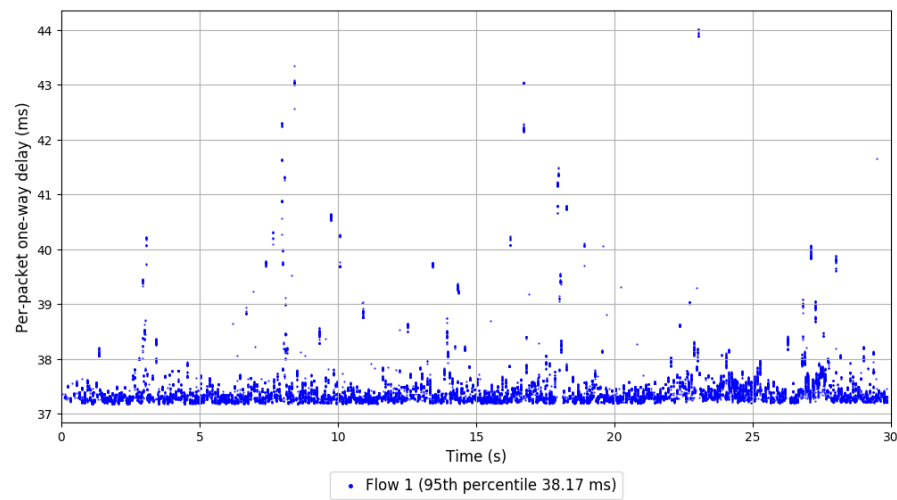
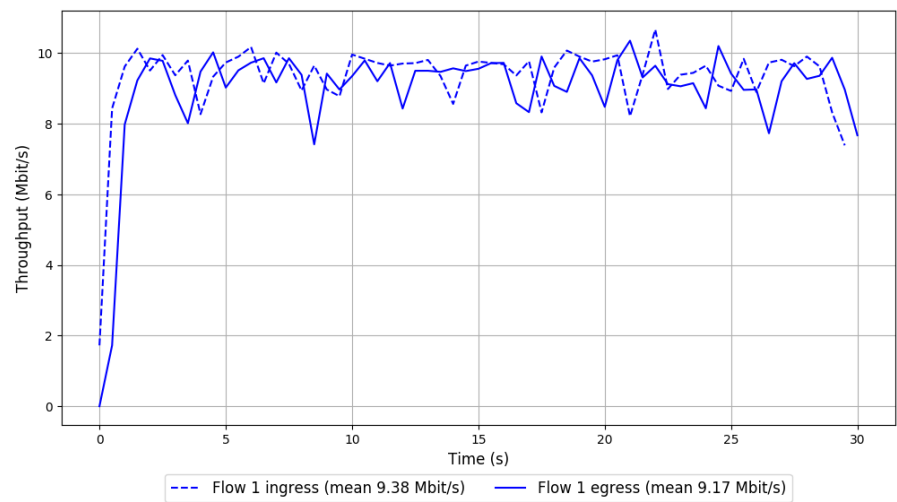
-- Flow 1:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 38.168 ms

Loss rate: 2.27%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2021-03-07 20:30:59

End at: 2021-03-07 20:31:29

Below is generated by plot.py at 2021-03-07 21:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 38.092 ms

Loss rate: 0.45%

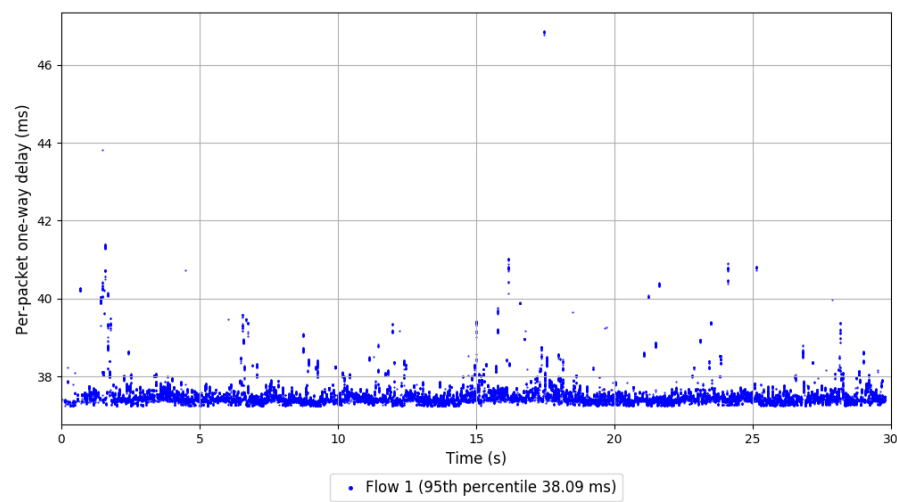
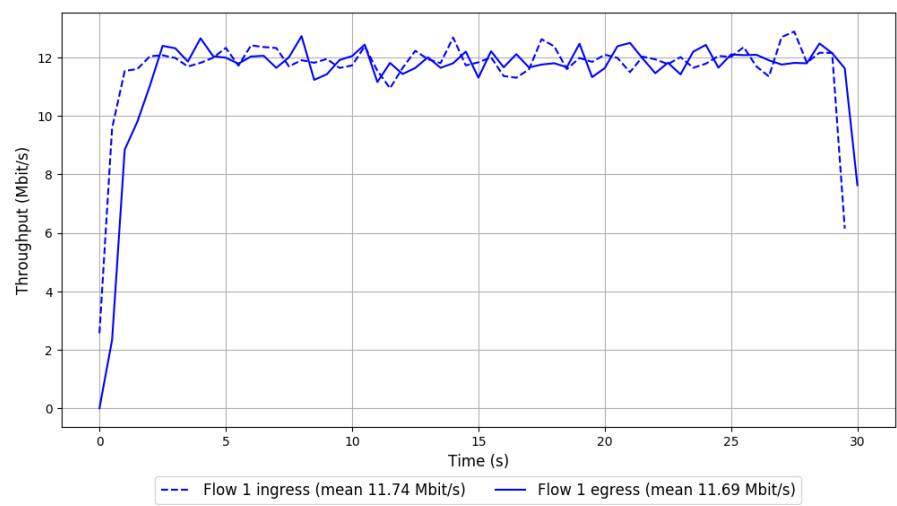
-- Flow 1:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 38.092 ms

Loss rate: 0.45%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2021-03-07 20:40:01

End at: 2021-03-07 20:40:31

Below is generated by plot.py at 2021-03-07 21:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 30.256 ms

Loss rate: 0.88%

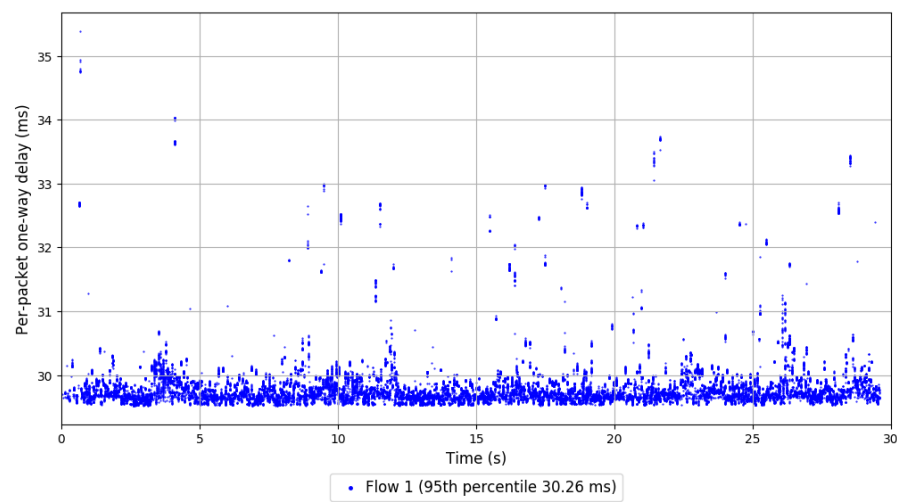
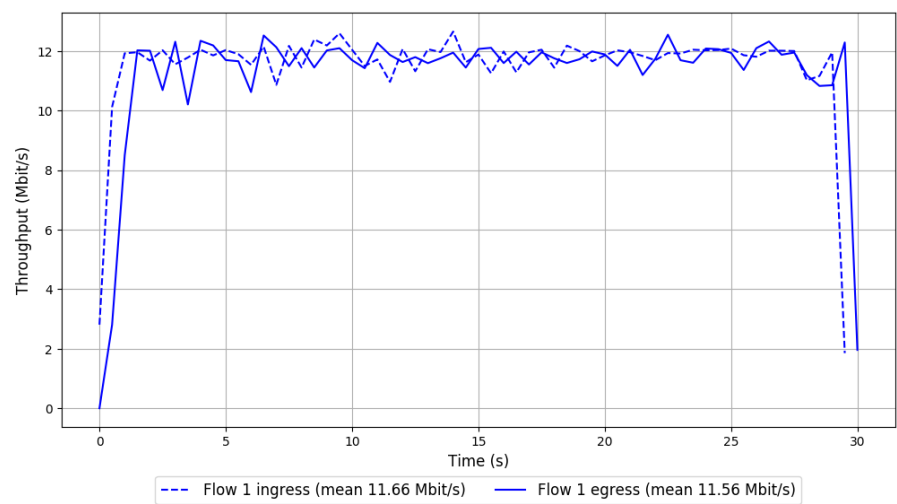
-- Flow 1:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 30.256 ms

Loss rate: 0.88%

Run 3: Report of Sprout — Data Link

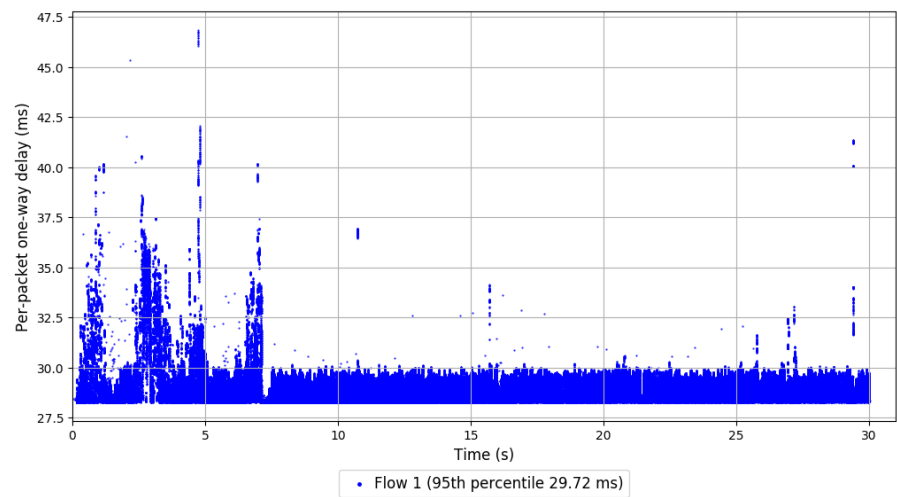
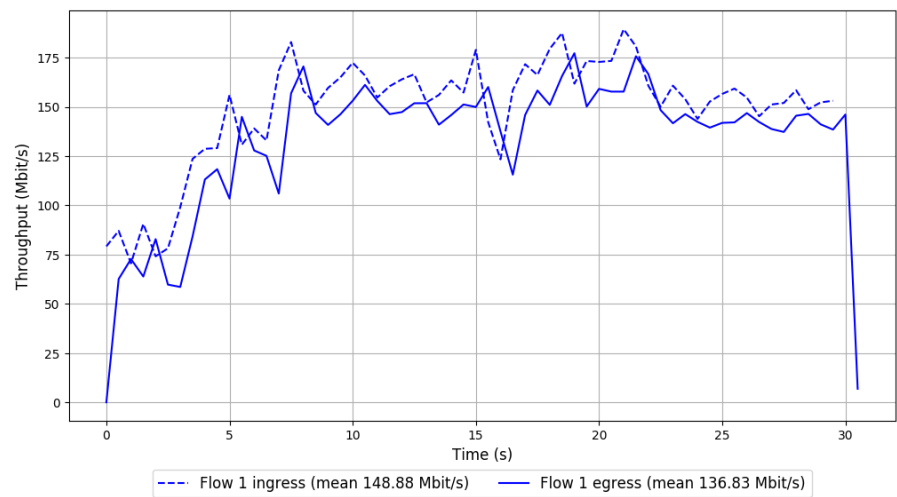


```
Run 1: Statistics of TaoVA-100x

Start at: 2021-03-07 20:27:00
End at: 2021-03-07 20:27:30

# Below is generated by plot.py at 2021-03-07 21:00:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.83 Mbit/s
95th percentile per-packet one-way delay: 29.720 ms
Loss rate: 8.09%
-- Flow 1:
Average throughput: 136.83 Mbit/s
95th percentile per-packet one-way delay: 29.720 ms
Loss rate: 8.09%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2021-03-07 20:35:57

End at: 2021-03-07 20:36:27

Below is generated by plot.py at 2021-03-07 21:01:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 31.424 ms

Loss rate: 7.13%

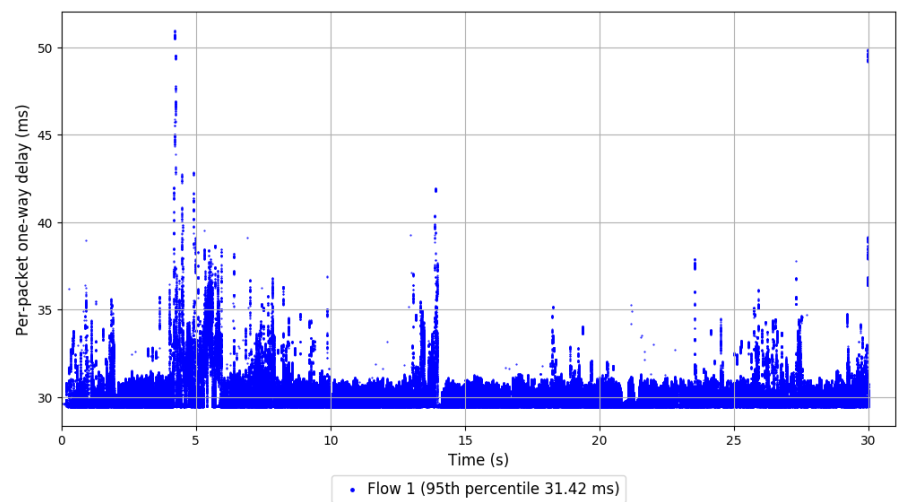
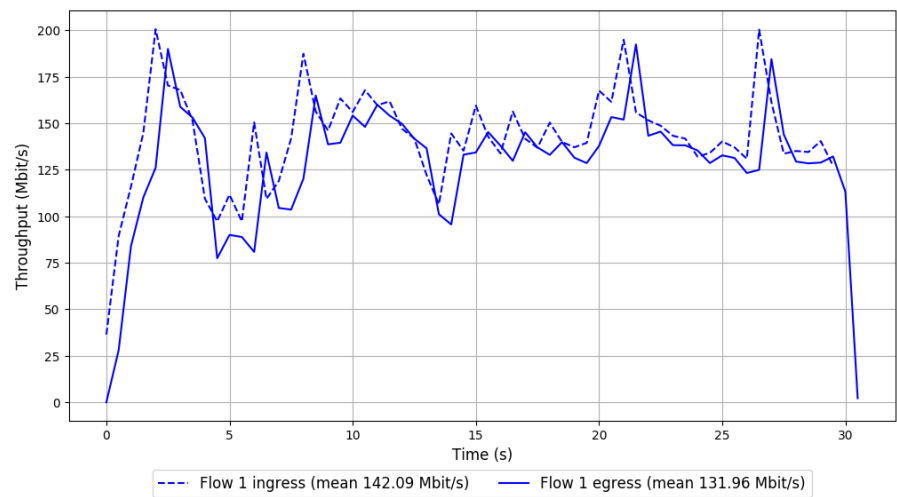
-- Flow 1:

Average throughput: 131.96 Mbit/s

95th percentile per-packet one-way delay: 31.424 ms

Loss rate: 7.13%

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



Run 3: Statistics of TaoVA-100x

Start at: 2021-03-07 20:44:58

End at: 2021-03-07 20:45:28

Below is generated by plot.py at 2021-03-07 21:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.78 Mbit/s

95th percentile per-packet one-way delay: 30.222 ms

Loss rate: 6.15%

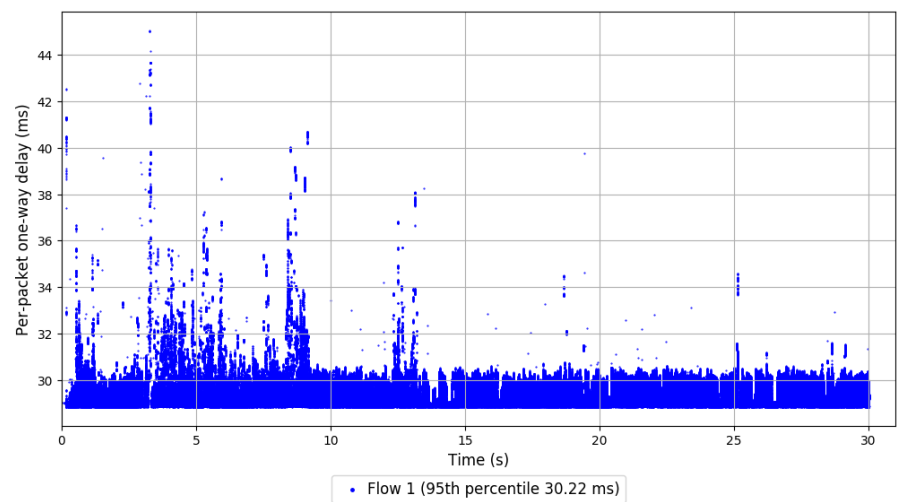
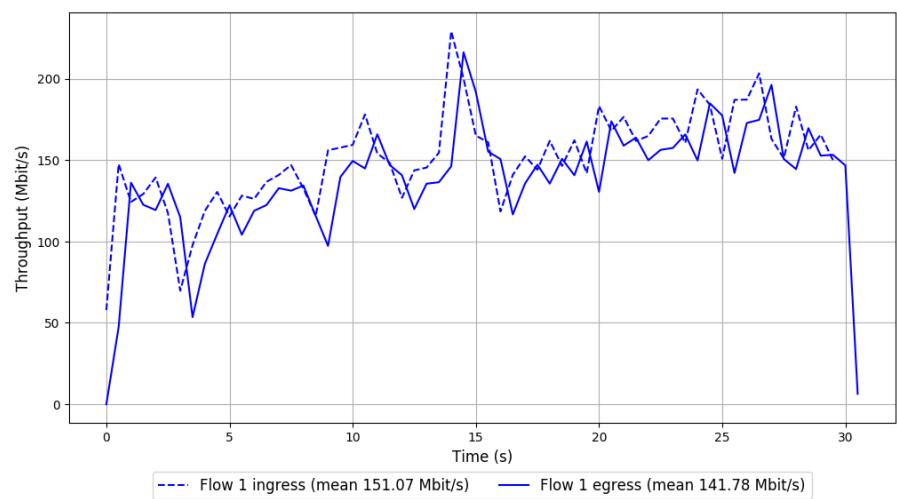
-- Flow 1:

Average throughput: 141.78 Mbit/s

95th percentile per-packet one-way delay: 30.222 ms

Loss rate: 6.15%

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



Run 1: Statistics of TCP Vegas

Start at: 2021-03-07 20:24:13

End at: 2021-03-07 20:24:43

Below is generated by plot.py at 2021-03-07 21:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 37.628 ms

Loss rate: 1.20%

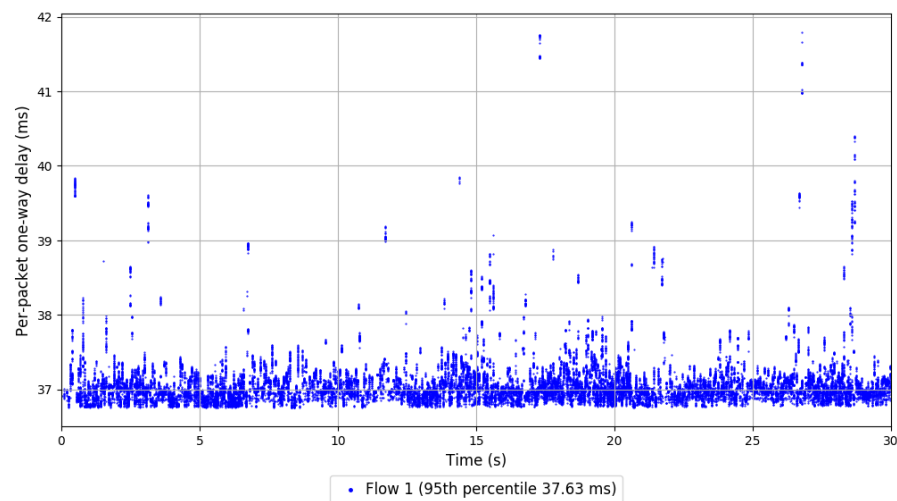
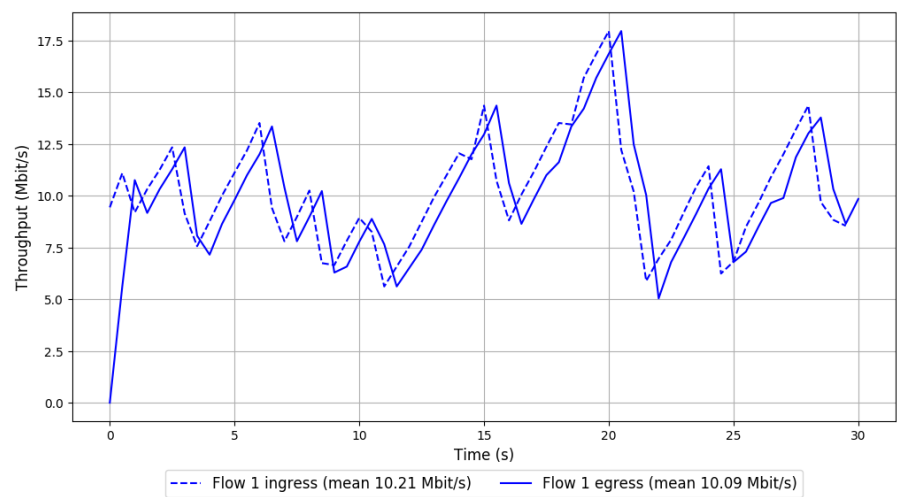
-- Flow 1:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 37.628 ms

Loss rate: 1.20%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2021-03-07 20:33:09

End at: 2021-03-07 20:33:39

Below is generated by plot.py at 2021-03-07 21:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.21 Mbit/s

95th percentile per-packet one-way delay: 30.145 ms

Loss rate: 0.97%

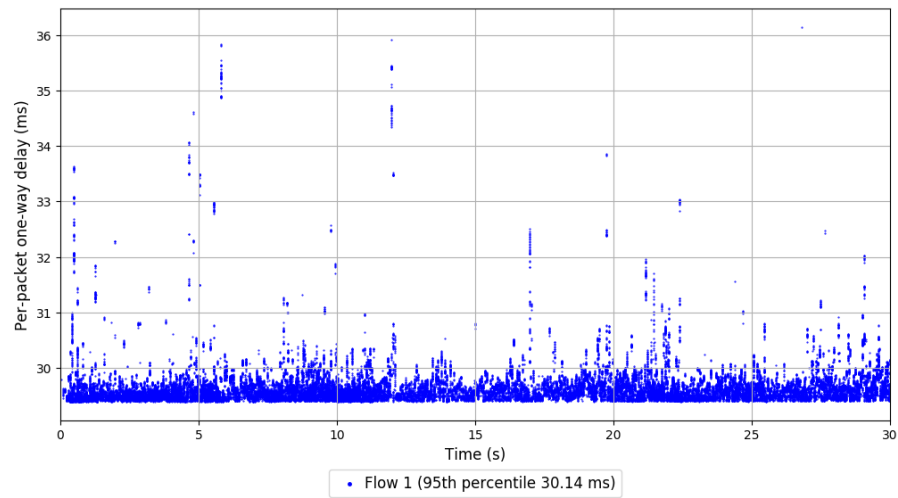
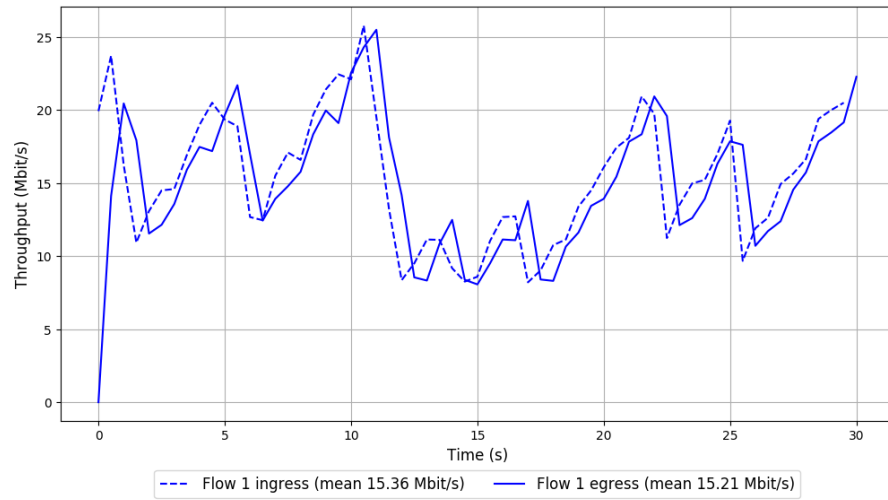
-- Flow 1:

Average throughput: 15.21 Mbit/s

95th percentile per-packet one-way delay: 30.145 ms

Loss rate: 0.97%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2021-03-07 20:42:12

End at: 2021-03-07 20:42:42

Below is generated by plot.py at 2021-03-07 21:02:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 38.019 ms

Loss rate: 0.52%

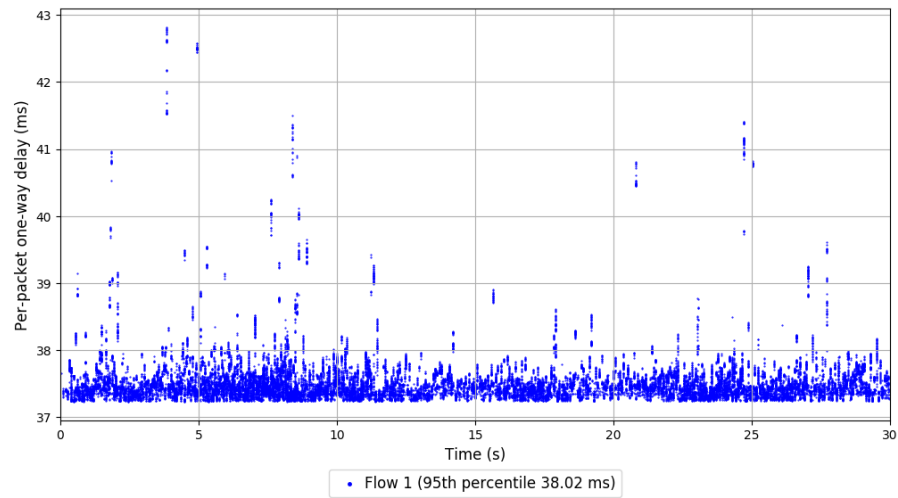
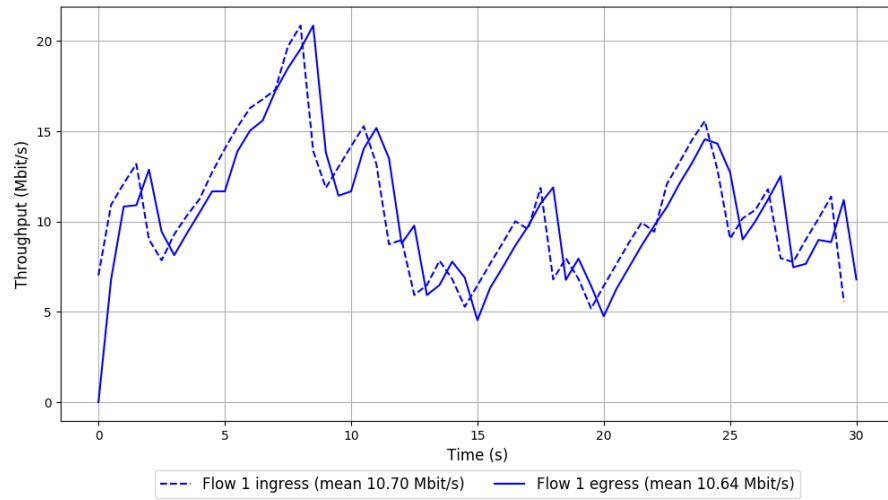
-- Flow 1:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 38.019 ms

Loss rate: 0.52%

Run 3: Report of TCP Vegas — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2021-03-07 20:22:41

End at: 2021-03-07 20:23:11

Below is generated by plot.py at 2021-03-07 21:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.43 Mbit/s

95th percentile per-packet one-way delay: 36.722 ms

Loss rate: 2.06%

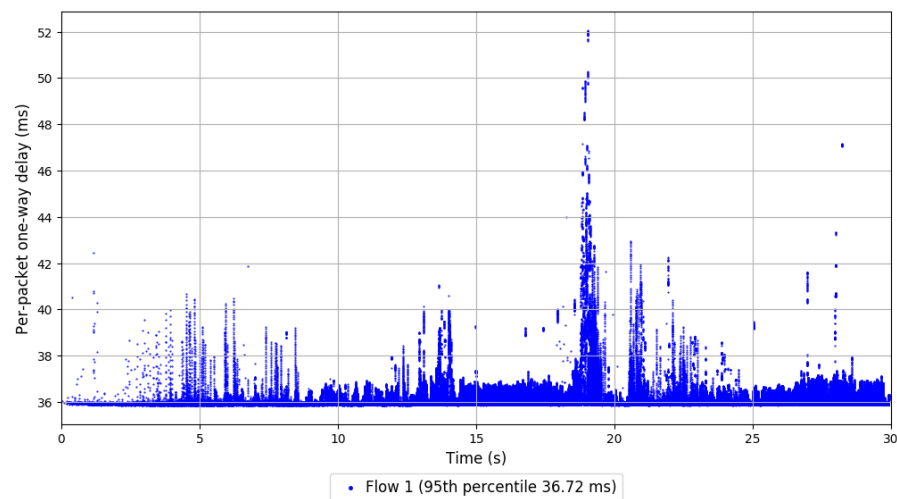
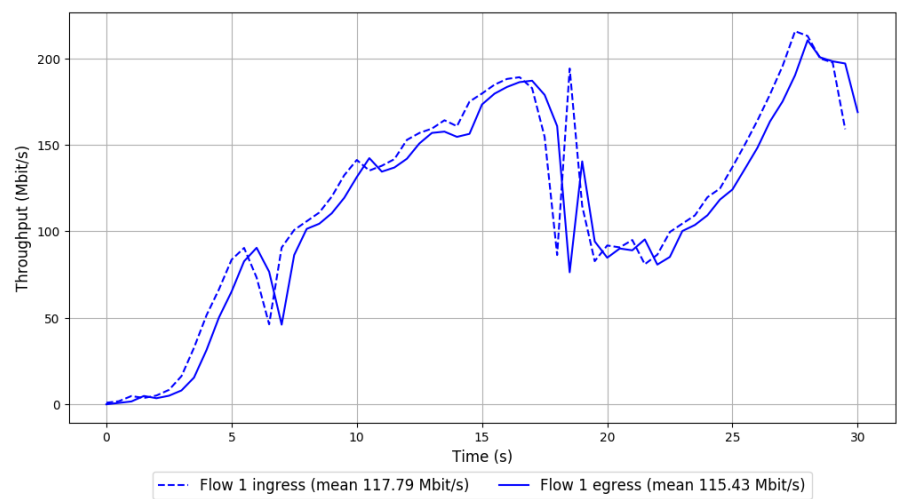
-- Flow 1:

Average throughput: 115.43 Mbit/s

95th percentile per-packet one-way delay: 36.722 ms

Loss rate: 2.06%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2021-03-07 20:31:38

End at: 2021-03-07 20:32:08

Below is generated by plot.py at 2021-03-07 21:02:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.80 Mbit/s

95th percentile per-packet one-way delay: 37.140 ms

Loss rate: 0.59%

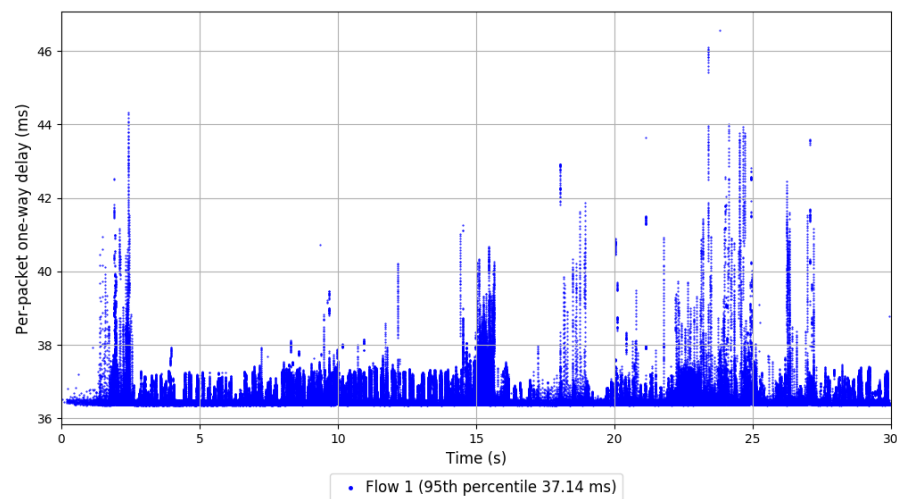
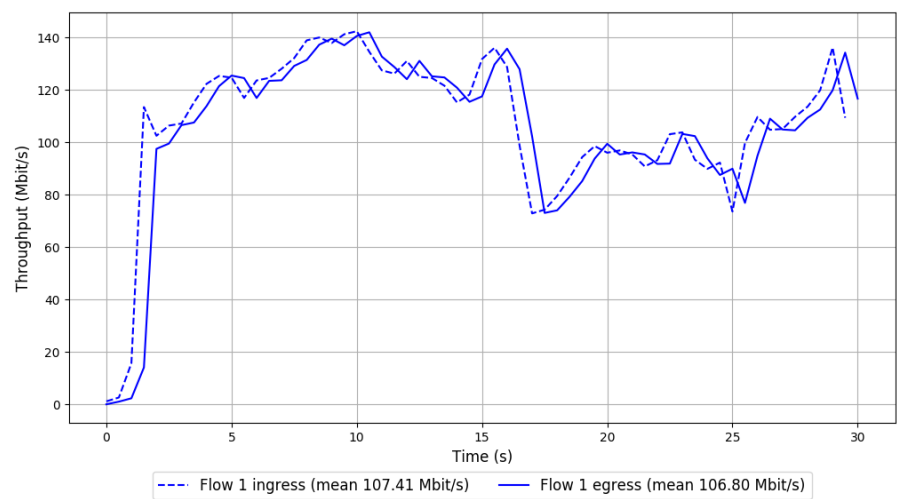
-- Flow 1:

Average throughput: 106.80 Mbit/s

95th percentile per-packet one-way delay: 37.140 ms

Loss rate: 0.59%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2021-03-07 20:40:40

End at: 2021-03-07 20:41:10

Below is generated by plot.py at 2021-03-07 21:02:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.84 Mbit/s

95th percentile per-packet one-way delay: 31.624 ms

Loss rate: 5.49%

-- Flow 1:

Average throughput: 110.84 Mbit/s

95th percentile per-packet one-way delay: 31.624 ms

Loss rate: 5.49%

Run 3: Report of PCC-Vivace — Data Link

