

Pantheon Report

Generated at 2018-08-01 20:26:06 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

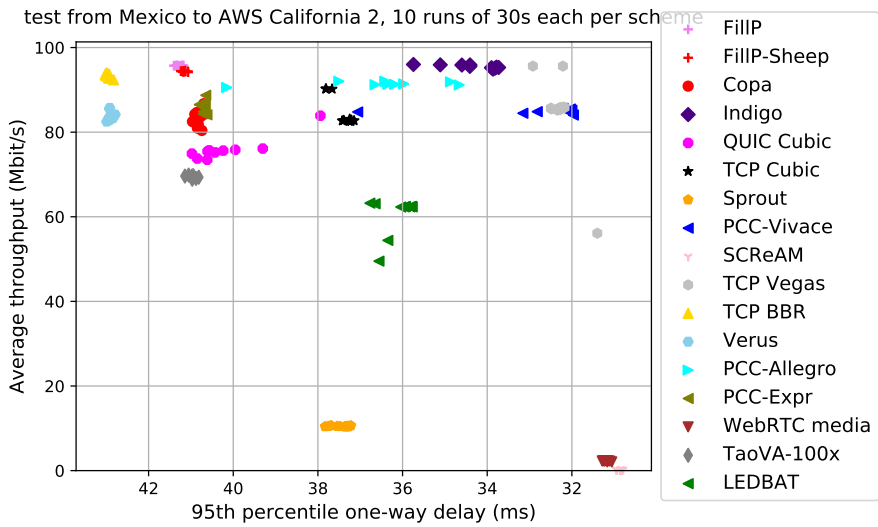
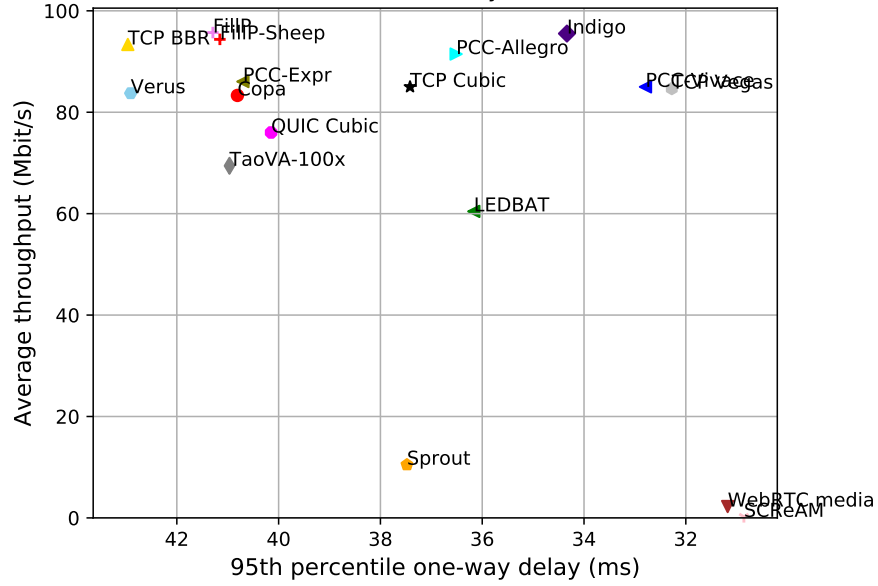
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Mexico to AWS California 2, 10 runs of 30s each per scheme
(mean of all runs by 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	93.36	42.96	1.07
Copa	10	83.31	40.81	0.26
TCP Cubic	10	85.00	37.42	0.25
FillP	10	95.71	41.29	0.25
FillP-Sheep	10	94.37	41.15	0.27
Indigo	10	95.51	34.34	0.23
LEDBAT	10	60.45	36.17	0.36
PCC-Allegro	10	91.47	36.51	0.24
PCC-Expr	10	86.05	40.70	0.32
QUIC Cubic	10	76.01	40.15	0.29
SCReAM	10	0.21	30.86	0.21
Sprout	10	10.49	37.48	0.24
TaoVA-100x	10	69.44	40.97	0.26
TCP Vegas	10	84.66	32.28	0.25
Verus	10	83.75	42.91	0.40
PCC-Vivace	10	85.00	32.79	0.24
WebRTC media	10	2.24	31.18	0.24

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 16:26:02

End at: 2018-08-01 16:26:32

Local clock offset: 0.332 ms

Remote clock offset: 1.733 ms

Below is generated by plot.py at 2018-08-01 20:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 43.024 ms

Loss rate: 1.18%

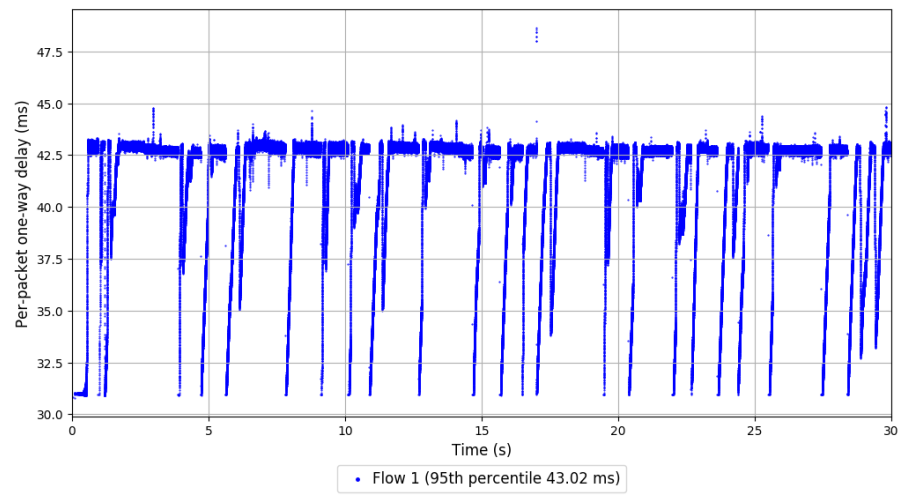
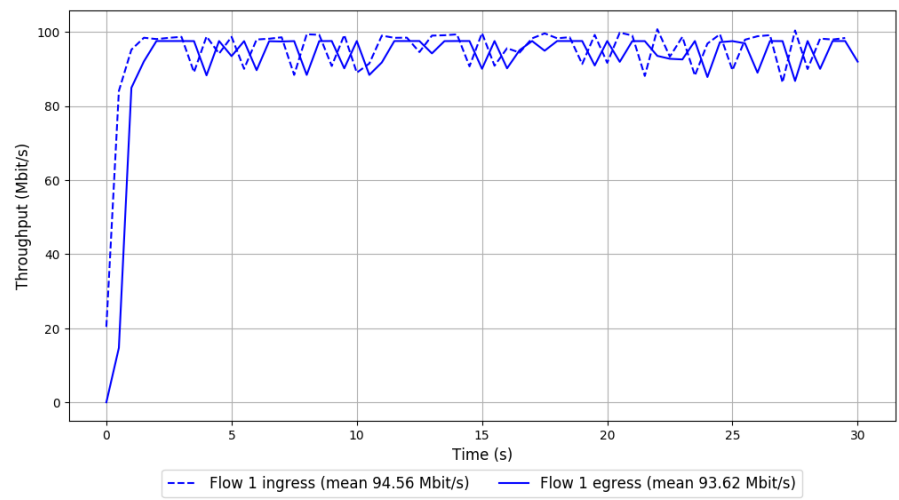
-- Flow 1:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 43.024 ms

Loss rate: 1.18%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-01 16:48:22

End at: 2018-08-01 16:48:52

Local clock offset: 0.09 ms

Remote clock offset: 1.894 ms

Below is generated by plot.py at 2018-08-01 20:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 42.946 ms

Loss rate: 1.11%

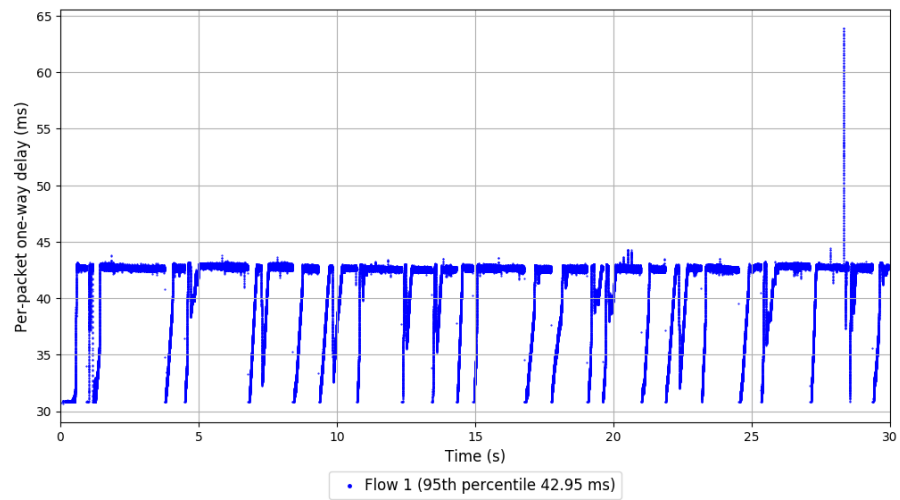
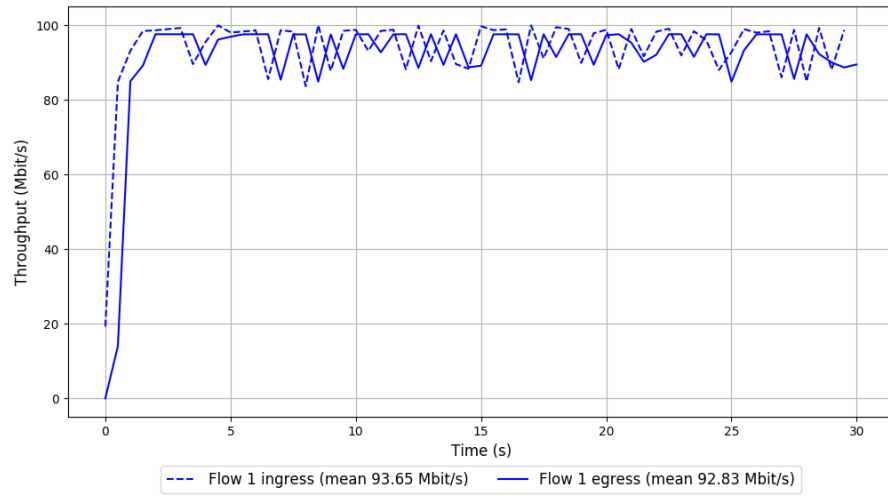
-- Flow 1:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 42.946 ms

Loss rate: 1.11%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-01 17:10:41

End at: 2018-08-01 17:11:11

Local clock offset: 0.351 ms

Remote clock offset: 2.072 ms

Below is generated by plot.py at 2018-08-01 20:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 43.006 ms

Loss rate: 0.98%

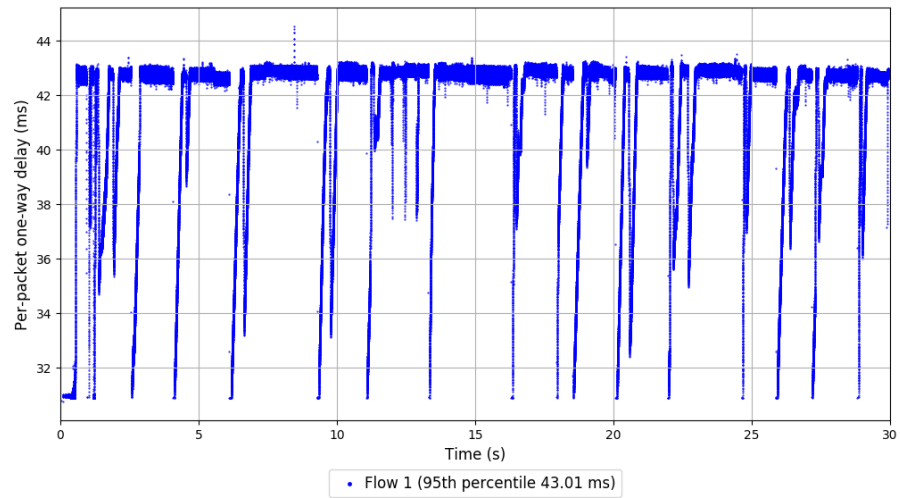
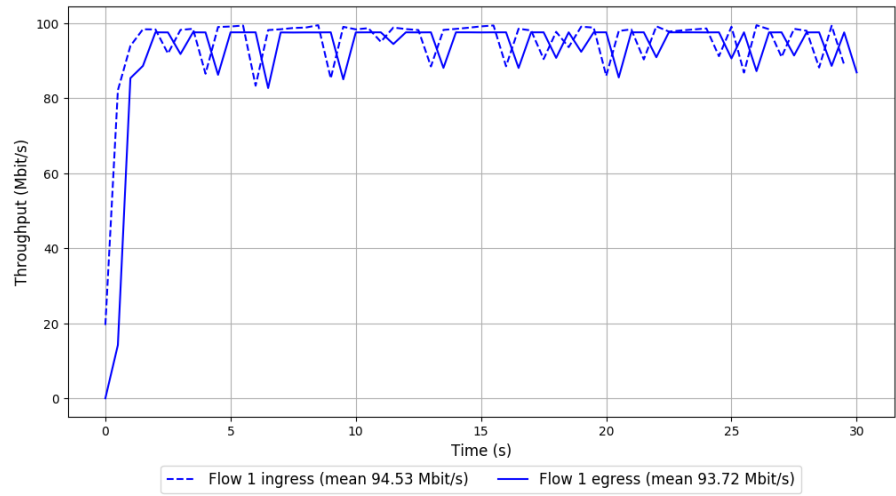
-- Flow 1:

Average throughput: 93.72 Mbit/s

95th percentile per-packet one-way delay: 43.006 ms

Loss rate: 0.98%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-01 17:33:13

End at: 2018-08-01 17:33:43

Local clock offset: 0.293 ms

Remote clock offset: 1.692 ms

Below is generated by plot.py at 2018-08-01 20:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 42.989 ms

Loss rate: 1.07%

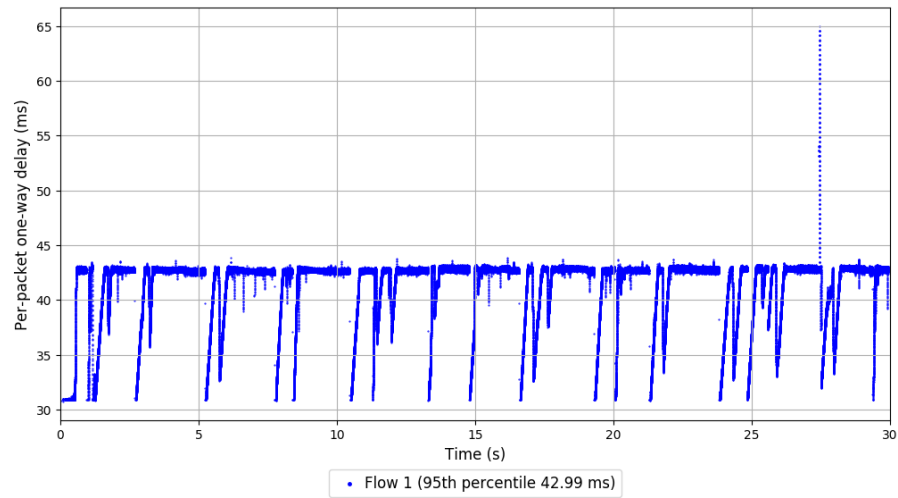
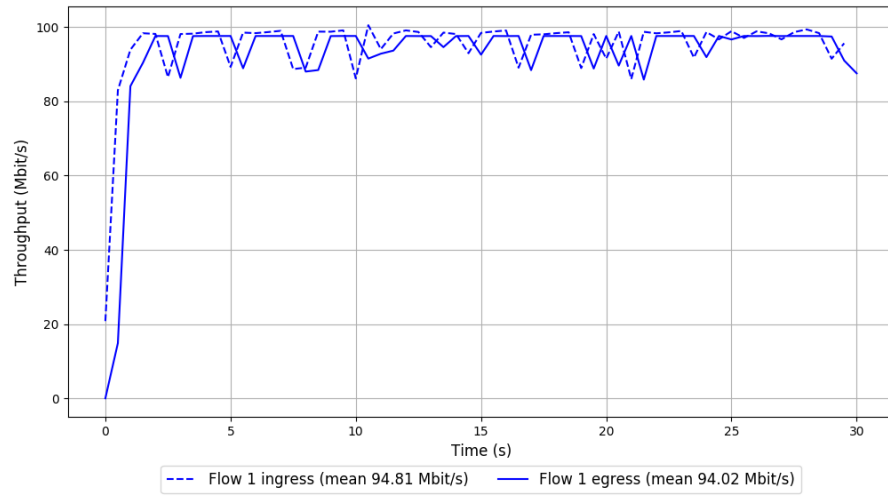
-- Flow 1:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 42.989 ms

Loss rate: 1.07%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-01 17:55:31

End at: 2018-08-01 17:56:01

Local clock offset: 0.531 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2018-08-01 20:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 43.008 ms

Loss rate: 1.10%

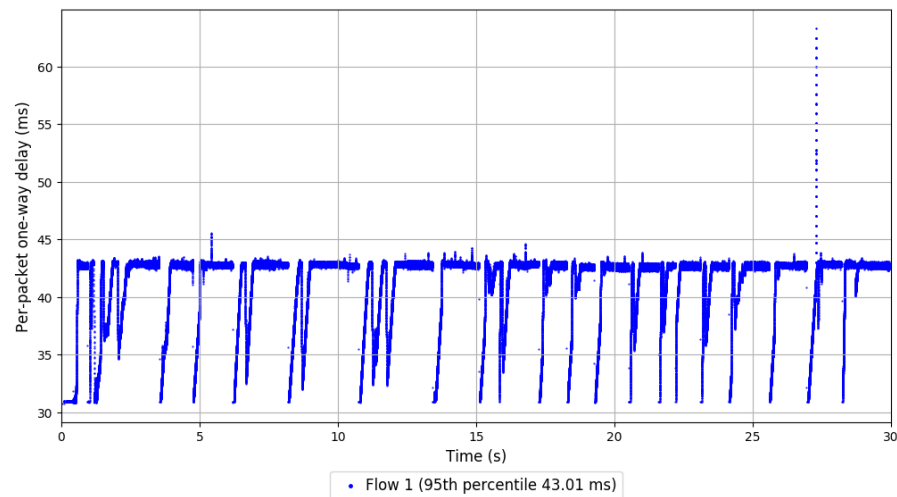
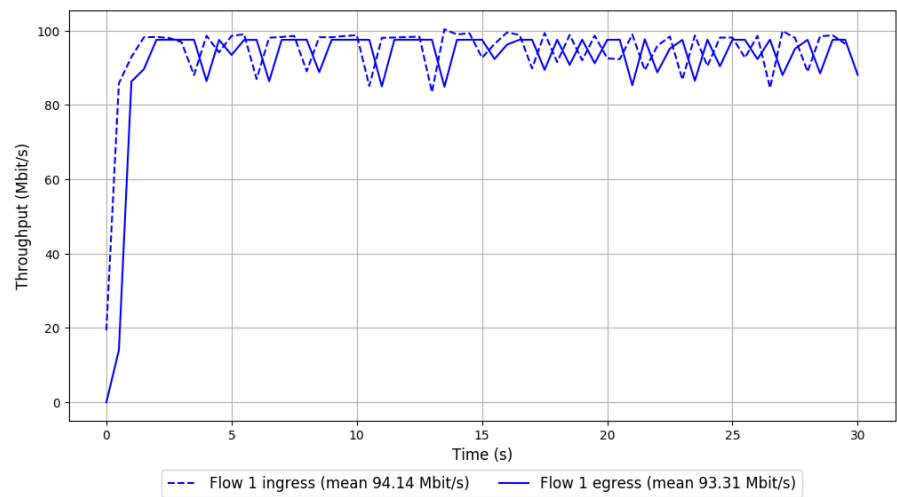
-- Flow 1:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 43.008 ms

Loss rate: 1.10%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-01 18:17:58

End at: 2018-08-01 18:18:28

Local clock offset: -0.136 ms

Remote clock offset: 1.527 ms

Below is generated by plot.py at 2018-08-01 20:05:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 43.000 ms

Loss rate: 0.95%

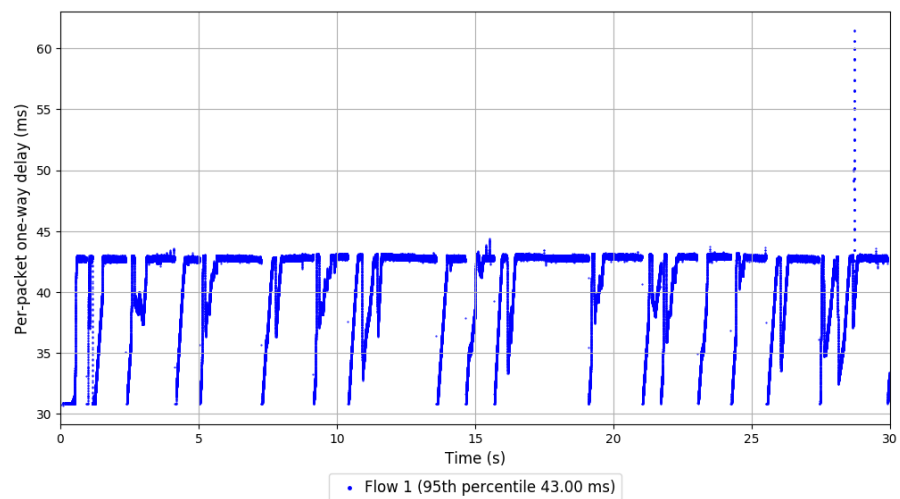
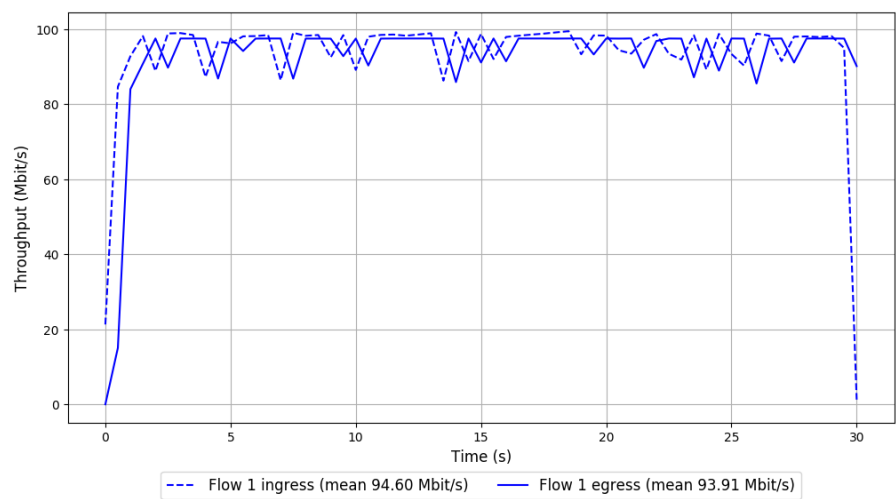
-- Flow 1:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 43.000 ms

Loss rate: 0.95%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-01 18:40:15

End at: 2018-08-01 18:40:45

Local clock offset: -0.301 ms

Remote clock offset: 1.84 ms

Below is generated by plot.py at 2018-08-01 20:05:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 42.827 ms

Loss rate: 1.01%

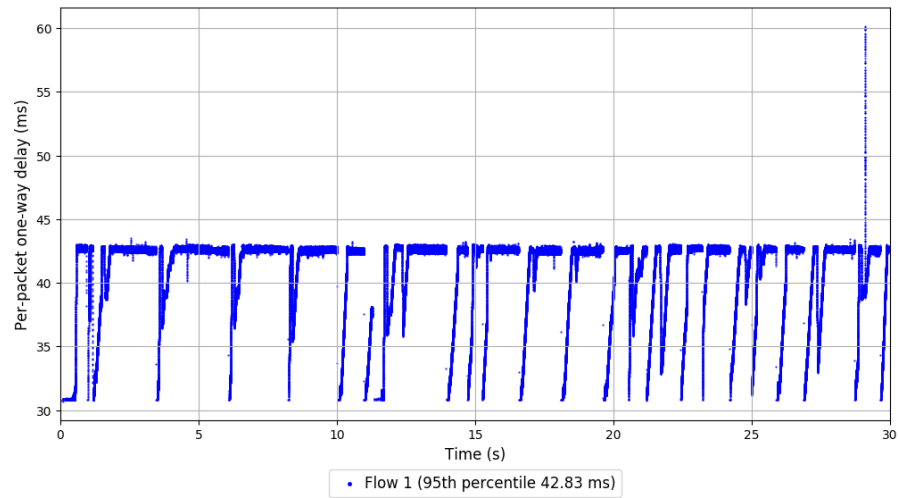
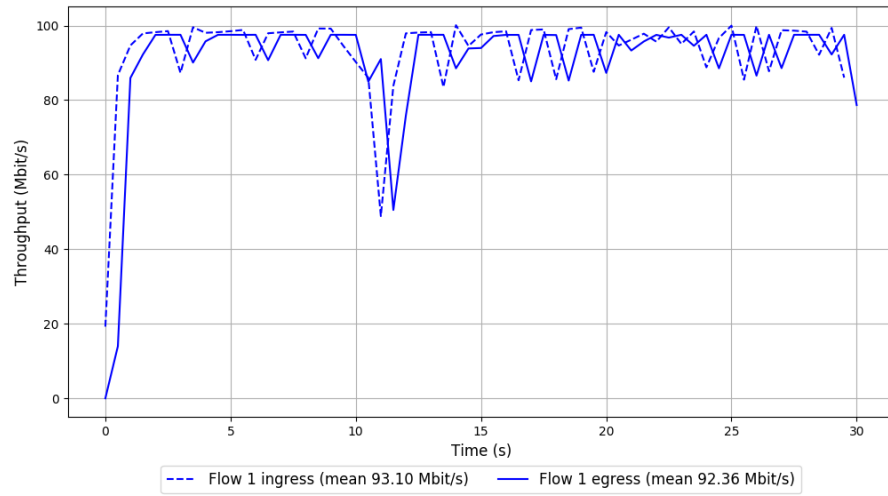
-- Flow 1:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 42.827 ms

Loss rate: 1.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-01 19:02:31

End at: 2018-08-01 19:03:01

Local clock offset: -0.078 ms

Remote clock offset: 2.228 ms

Below is generated by plot.py at 2018-08-01 20:05:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 42.935 ms

Loss rate: 0.98%

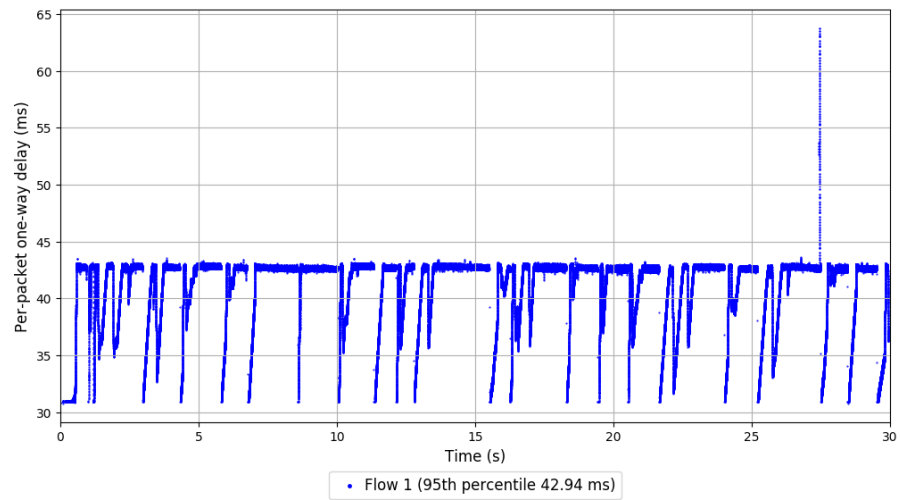
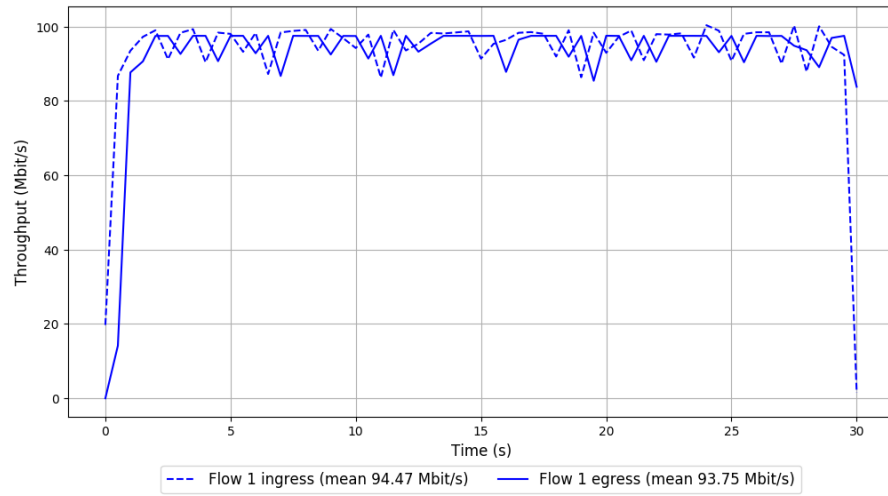
-- Flow 1:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 42.935 ms

Loss rate: 0.98%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-01 19:24:49

End at: 2018-08-01 19:25:19

Local clock offset: 0.089 ms

Remote clock offset: 2.247 ms

Below is generated by plot.py at 2018-08-01 20:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 42.974 ms

Loss rate: 1.24%

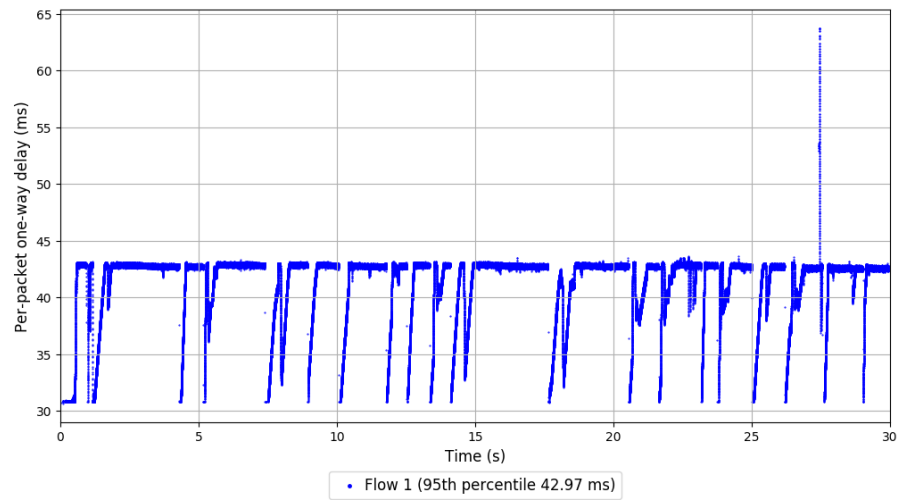
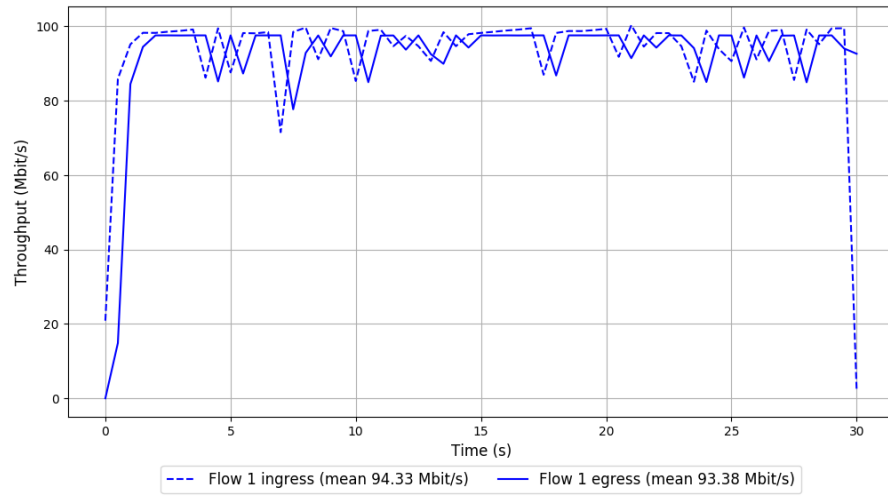
-- Flow 1:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 42.974 ms

Loss rate: 1.24%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-01 19:47:08

End at: 2018-08-01 19:47:38

Local clock offset: 0.567 ms

Remote clock offset: 2.191 ms

Below is generated by plot.py at 2018-08-01 20:05:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 42.917 ms

Loss rate: 1.11%

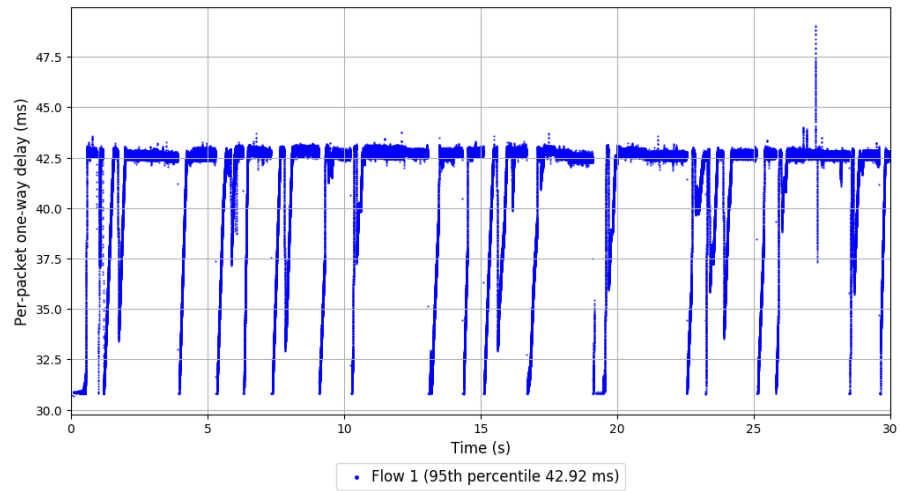
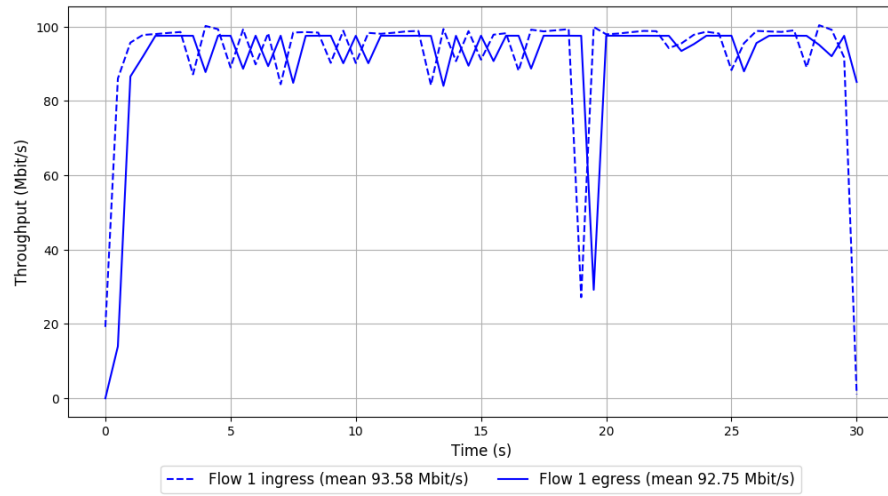
-- Flow 1:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 42.917 ms

Loss rate: 1.11%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-01 16:29:59

End at: 2018-08-01 16:30:29

Local clock offset: 0.18 ms

Remote clock offset: 1.777 ms

Below is generated by plot.py at 2018-08-01 20:06:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 40.667 ms

Loss rate: 0.25%

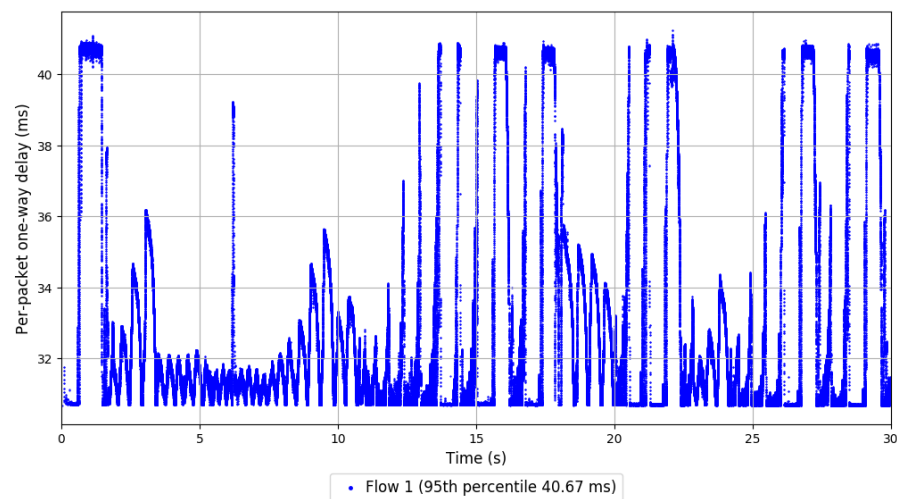
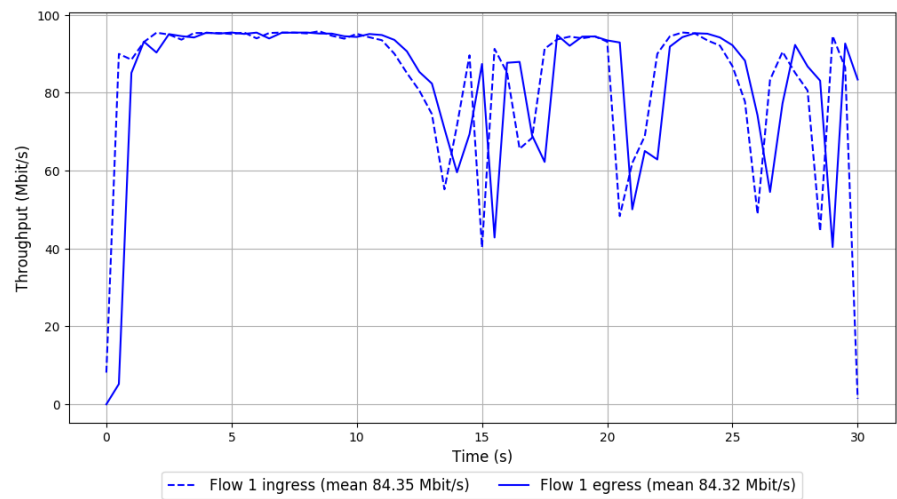
-- Flow 1:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 40.667 ms

Loss rate: 0.25%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-01 16:52:18

End at: 2018-08-01 16:52:48

Local clock offset: 0.201 ms

Remote clock offset: 2.021 ms

Below is generated by plot.py at 2018-08-01 20:06:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 40.964 ms

Loss rate: 0.29%

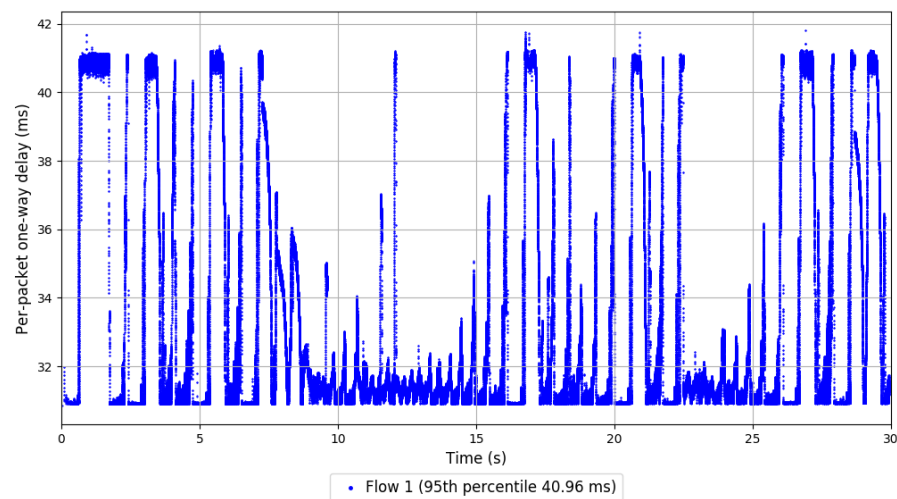
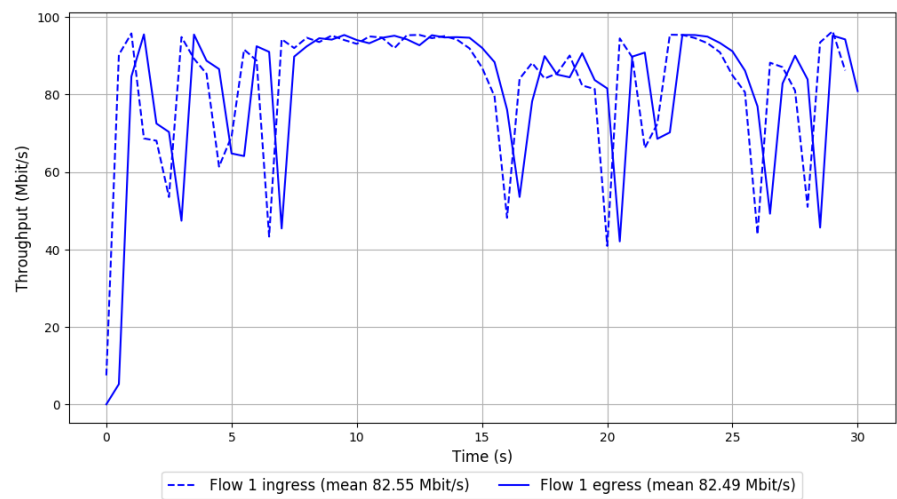
-- Flow 1:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 40.964 ms

Loss rate: 0.29%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-01 17:14:40

End at: 2018-08-01 17:15:10

Local clock offset: 0.366 ms

Remote clock offset: 1.994 ms

Below is generated by plot.py at 2018-08-01 20:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.64 Mbit/s

95th percentile per-packet one-way delay: 40.862 ms

Loss rate: 0.27%

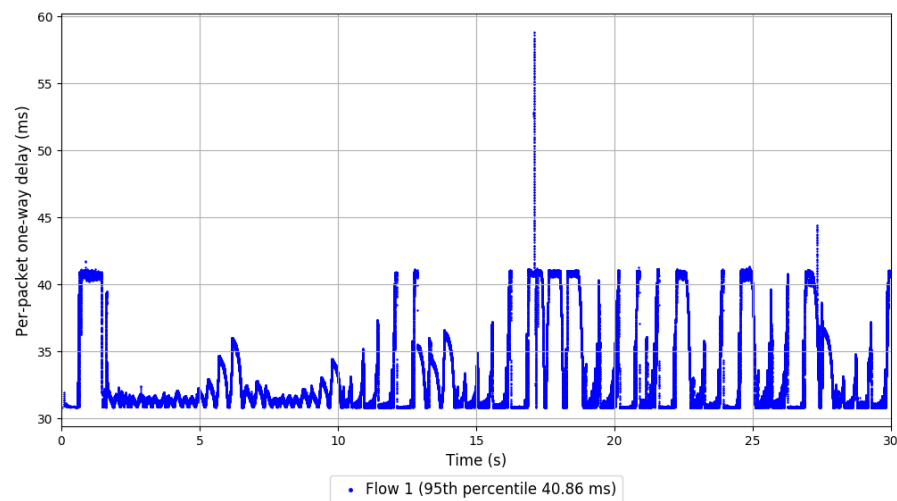
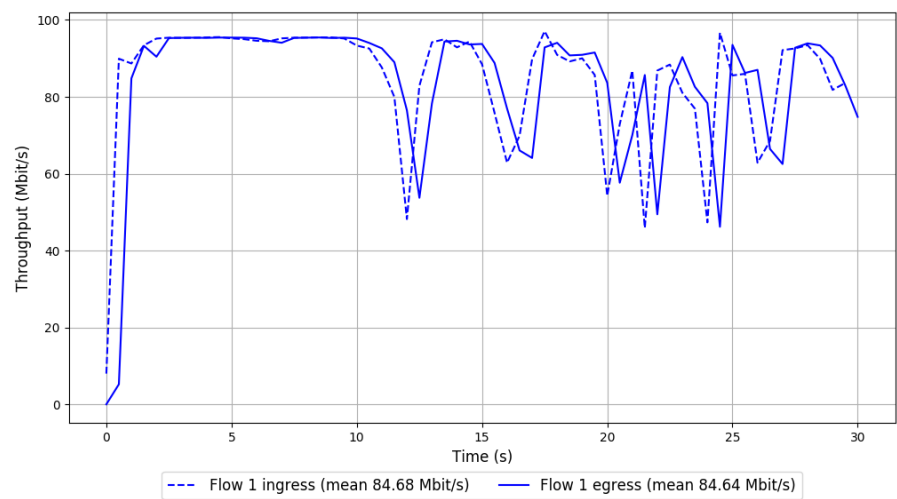
-- Flow 1:

Average throughput: 84.64 Mbit/s

95th percentile per-packet one-way delay: 40.862 ms

Loss rate: 0.27%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-01 17:37:11

End at: 2018-08-01 17:37:41

Local clock offset: 0.354 ms

Remote clock offset: 1.684 ms

Below is generated by plot.py at 2018-08-01 20:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 40.761 ms

Loss rate: 0.13%

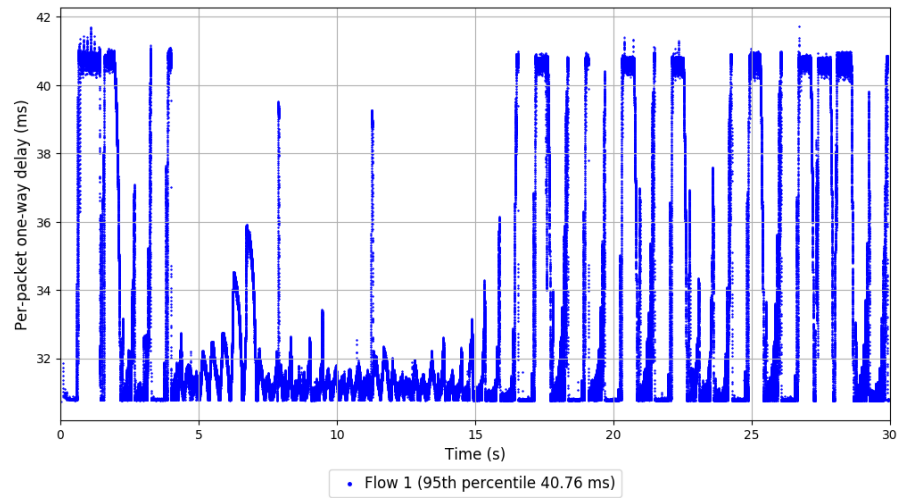
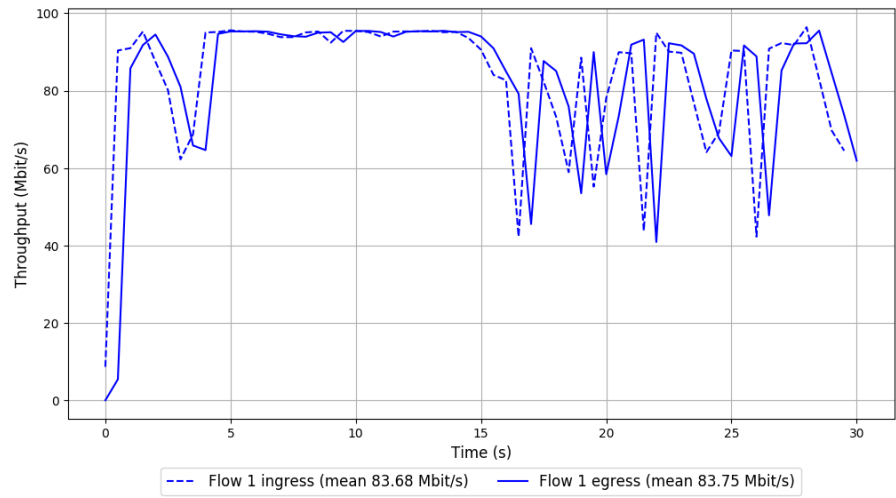
-- Flow 1:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 40.761 ms

Loss rate: 0.13%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-01 17:59:35

End at: 2018-08-01 18:00:05

Local clock offset: 0.43 ms

Remote clock offset: 1.373 ms

Below is generated by plot.py at 2018-08-01 20:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 40.817 ms

Loss rate: 0.27%

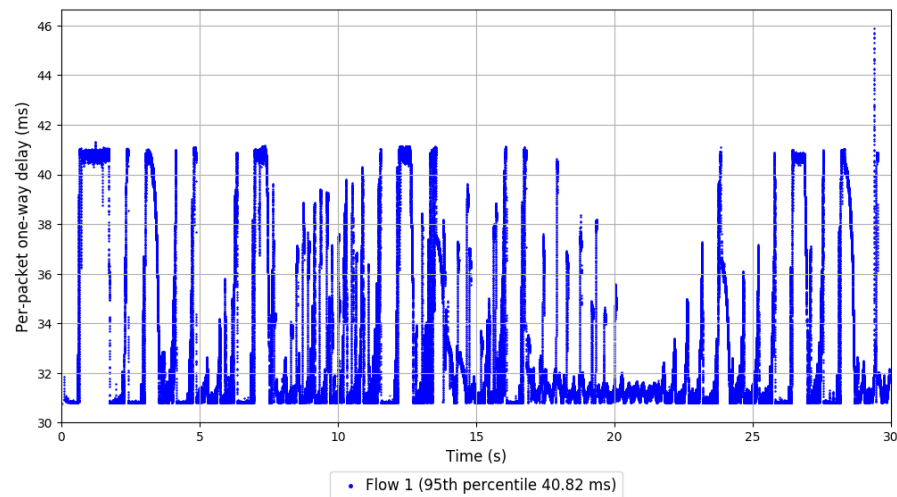
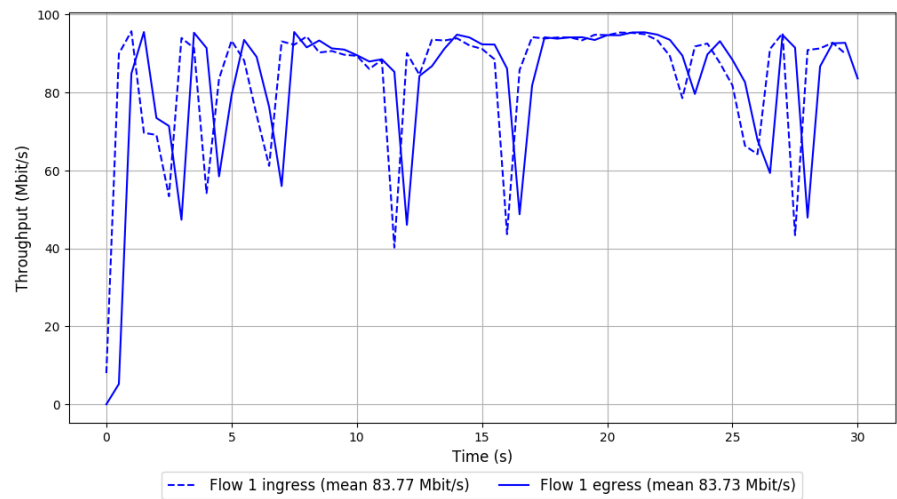
-- Flow 1:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 40.817 ms

Loss rate: 0.27%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-01 18:21:55

End at: 2018-08-01 18:22:25

Local clock offset: -0.26 ms

Remote clock offset: 1.683 ms

Below is generated by plot.py at 2018-08-01 20:06:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.40 Mbit/s

95th percentile per-packet one-way delay: 40.742 ms

Loss rate: 0.29%

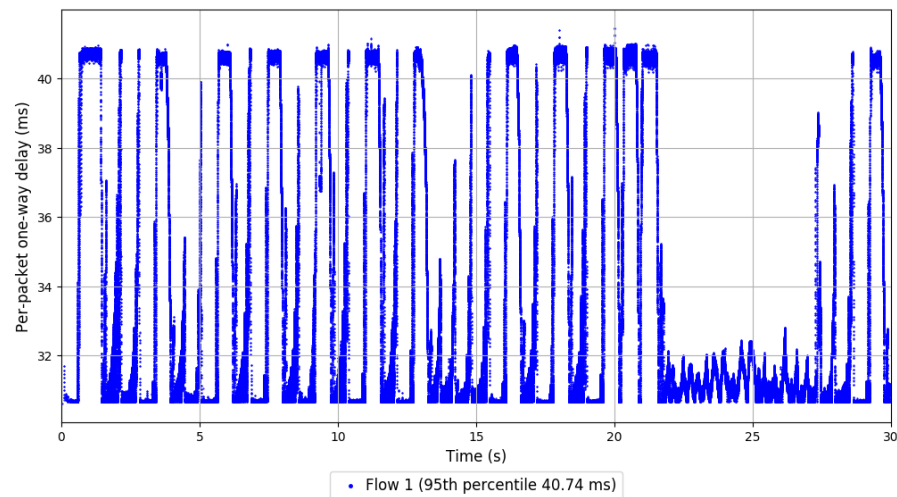
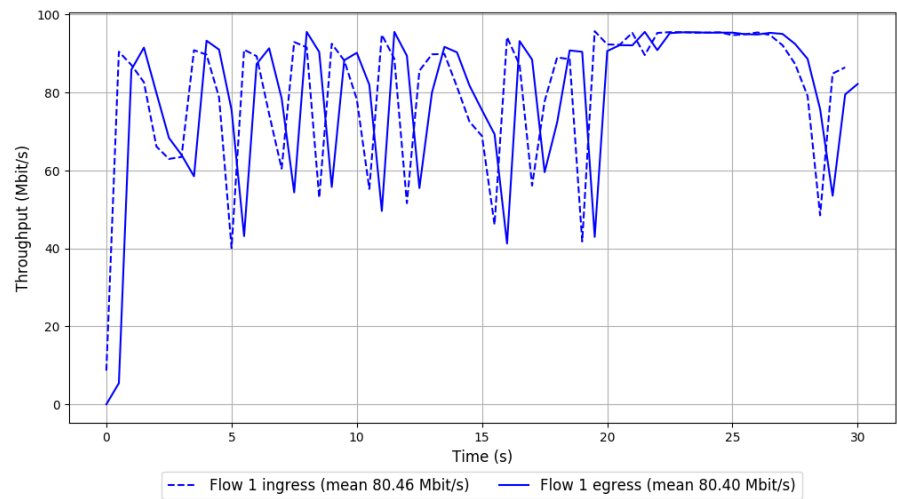
-- Flow 1:

Average throughput: 80.40 Mbit/s

95th percentile per-packet one-way delay: 40.742 ms

Loss rate: 0.29%

Run 6: Report of Copa — Data Link

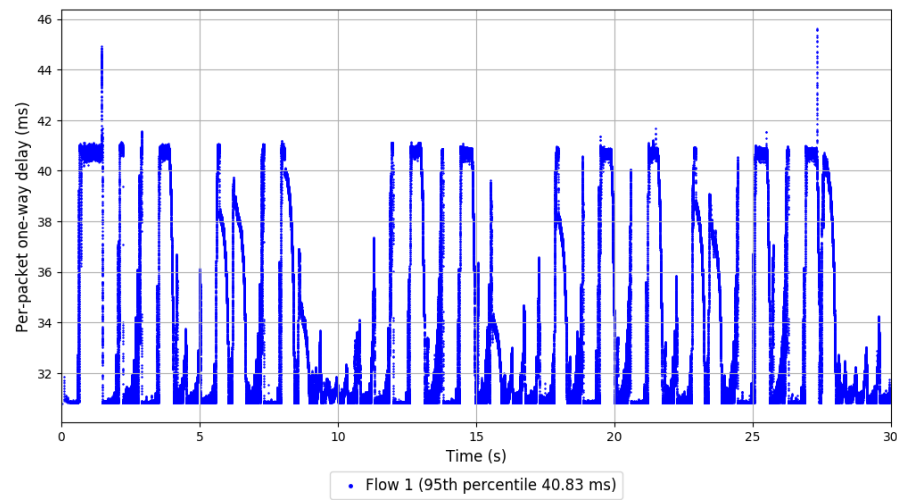
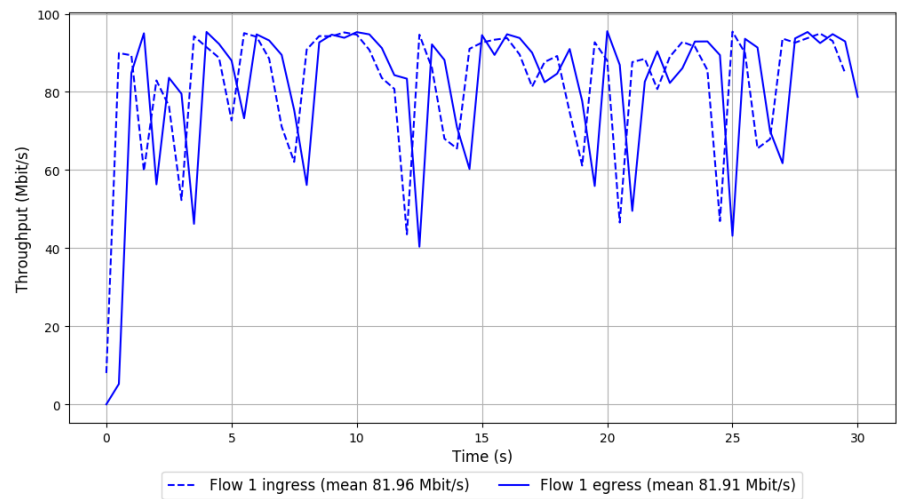


Run 7: Statistics of Copa

Start at: 2018-08-01 18:44:12
End at: 2018-08-01 18:44:42
Local clock offset: -0.264 ms
Remote clock offset: 1.842 ms

Below is generated by plot.py at 2018-08-01 20:07:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 40.827 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 40.827 ms
Loss rate: 0.28%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-01 19:06:28

End at: 2018-08-01 19:06:58

Local clock offset: -0.134 ms

Remote clock offset: 2.251 ms

Below is generated by plot.py at 2018-08-01 20:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 40.698 ms

Loss rate: 0.25%

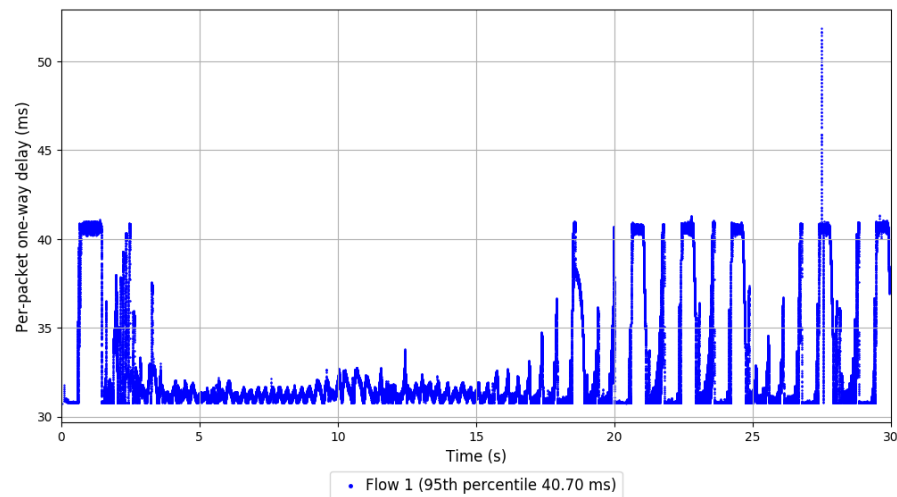
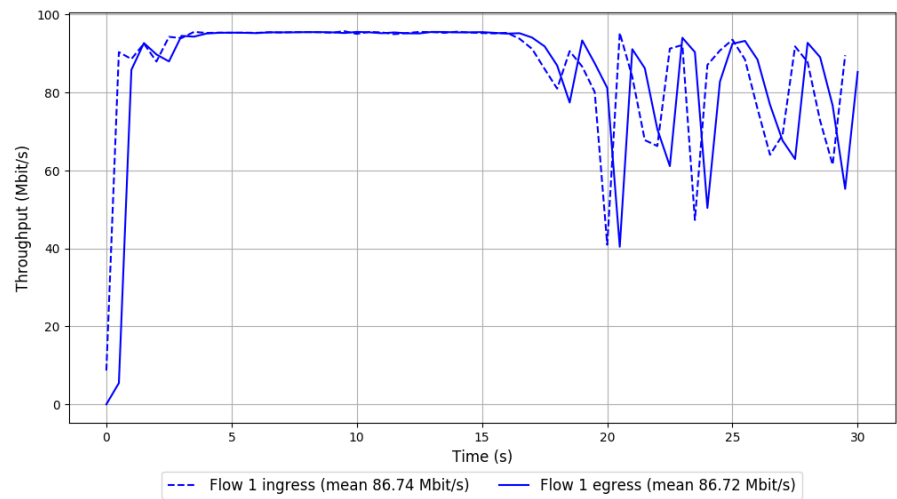
-- Flow 1:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 40.698 ms

Loss rate: 0.25%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-01 19:28:45

End at: 2018-08-01 19:29:15

Local clock offset: 0.248 ms

Remote clock offset: 2.196 ms

Below is generated by plot.py at 2018-08-01 20:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.95 Mbit/s

95th percentile per-packet one-way delay: 40.846 ms

Loss rate: 0.32%

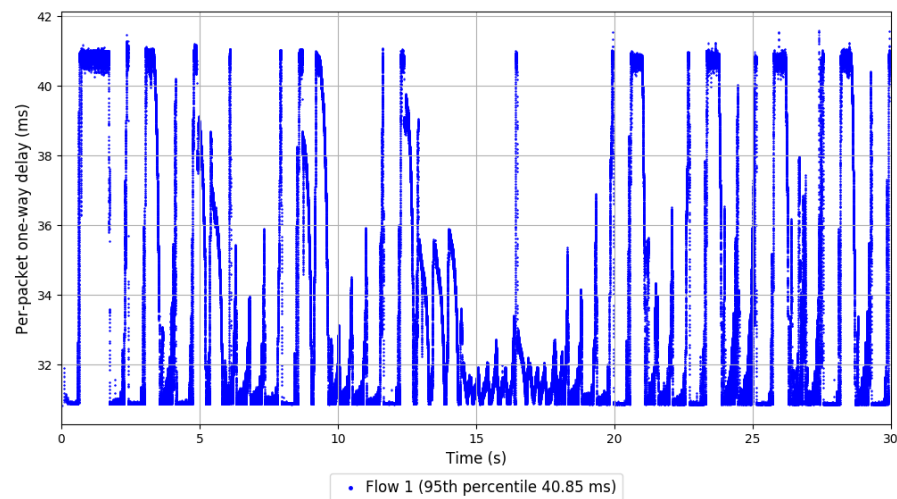
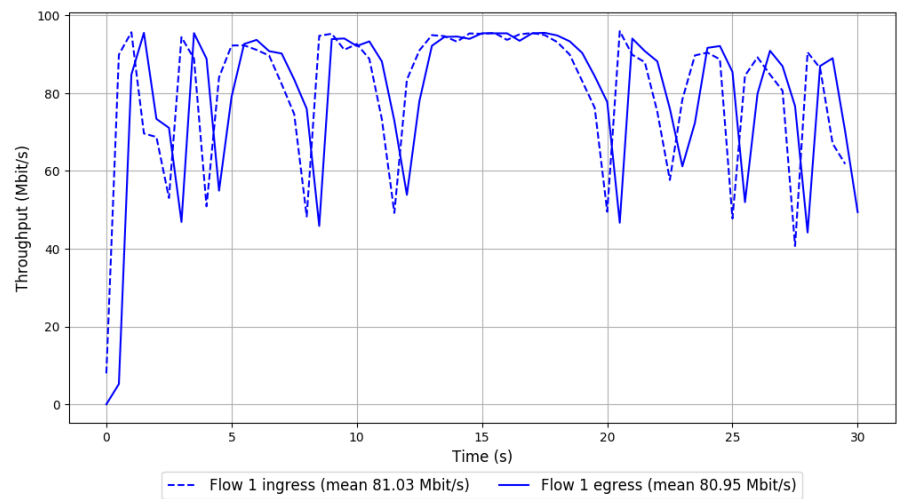
-- Flow 1:

Average throughput: 80.95 Mbit/s

95th percentile per-packet one-way delay: 40.846 ms

Loss rate: 0.32%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-01 19:51:04

End at: 2018-08-01 19:51:34

Local clock offset: 0.631 ms

Remote clock offset: 2.203 ms

Below is generated by plot.py at 2018-08-01 20:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 40.909 ms

Loss rate: 0.27%

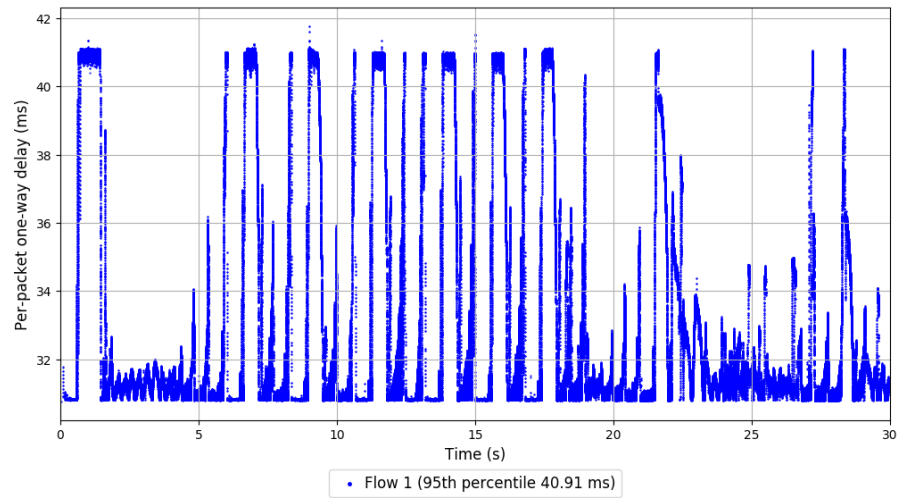
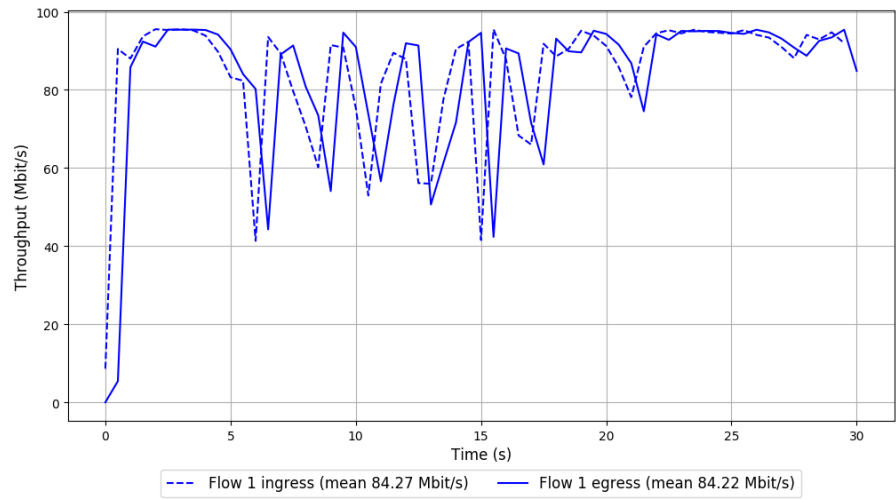
-- Flow 1:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 40.909 ms

Loss rate: 0.27%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 16:28:41

End at: 2018-08-01 16:29:11

Local clock offset: 0.197 ms

Remote clock offset: 1.8 ms

Below is generated by plot.py at 2018-08-01 20:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 37.807 ms

Loss rate: 0.23%

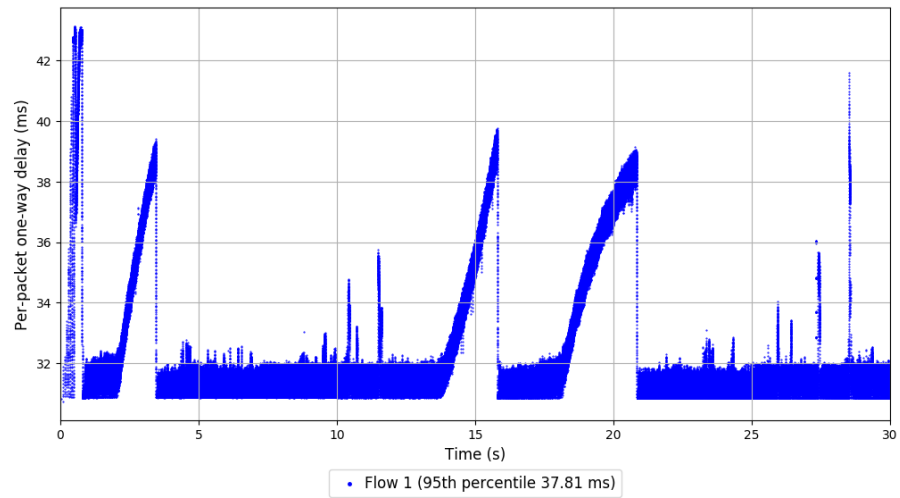
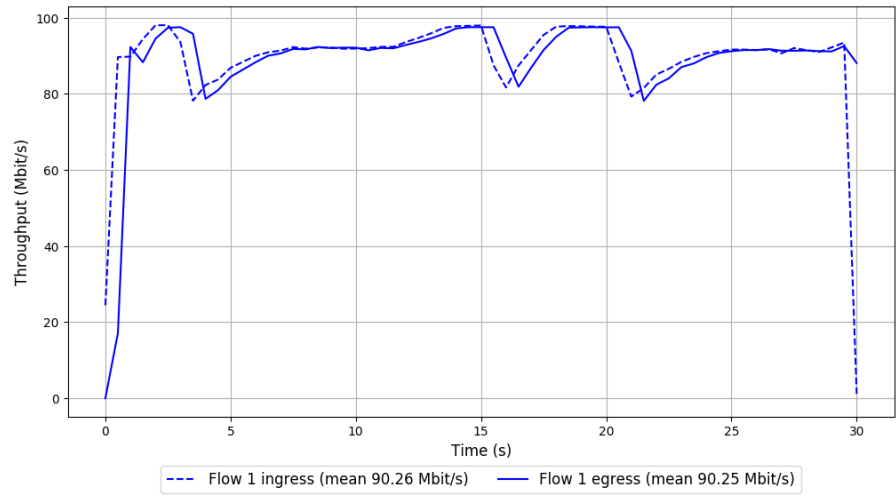
-- Flow 1:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 37.807 ms

Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 16:51:00

End at: 2018-08-01 16:51:30

Local clock offset: 0.188 ms

Remote clock offset: 2.043 ms

Below is generated by plot.py at 2018-08-01 20:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.84 Mbit/s

95th percentile per-packet one-way delay: 37.208 ms

Loss rate: 0.26%

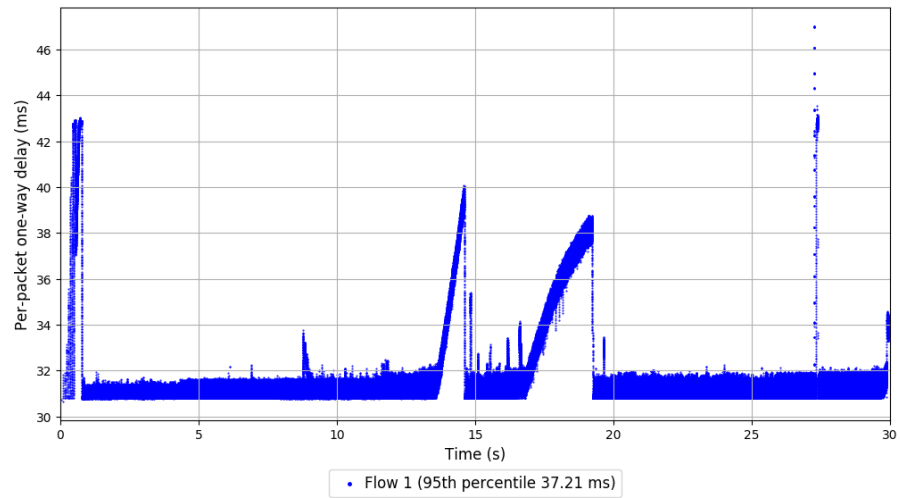
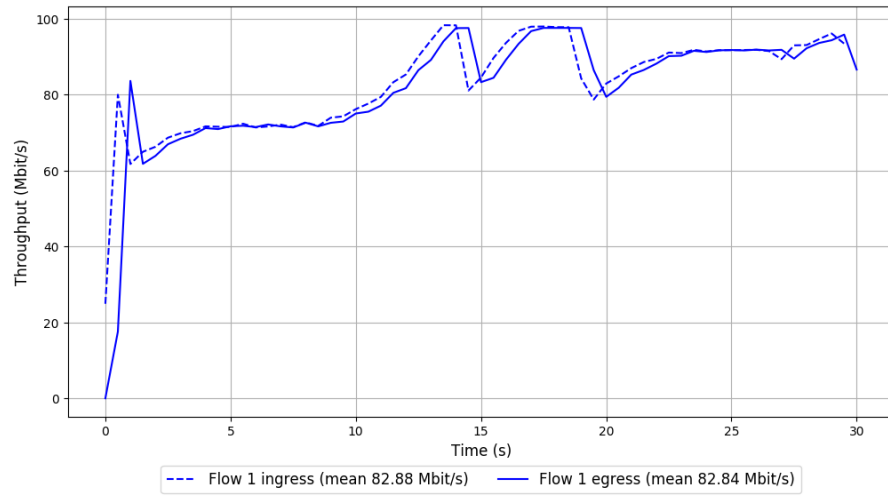
-- Flow 1:

Average throughput: 82.84 Mbit/s

95th percentile per-packet one-way delay: 37.208 ms

Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 17:13:22

End at: 2018-08-01 17:13:52

Local clock offset: 0.344 ms

Remote clock offset: 1.99 ms

Below is generated by plot.py at 2018-08-01 20:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 37.390 ms

Loss rate: 0.26%

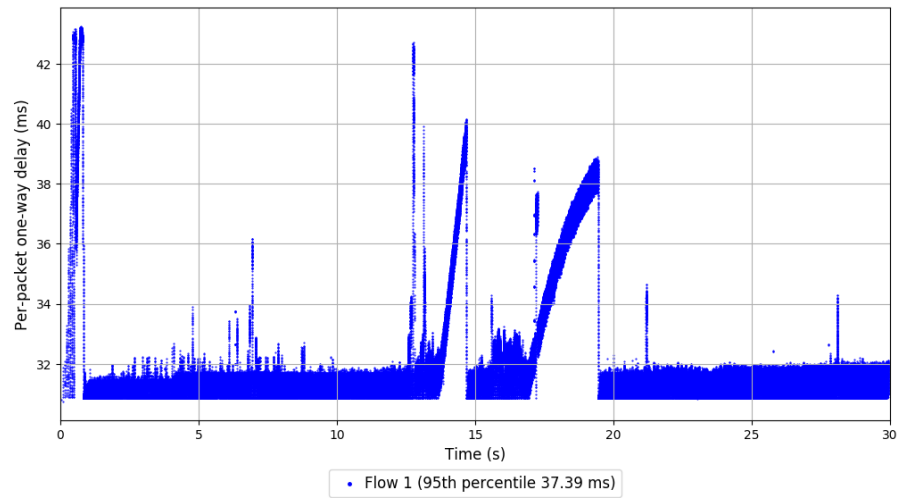
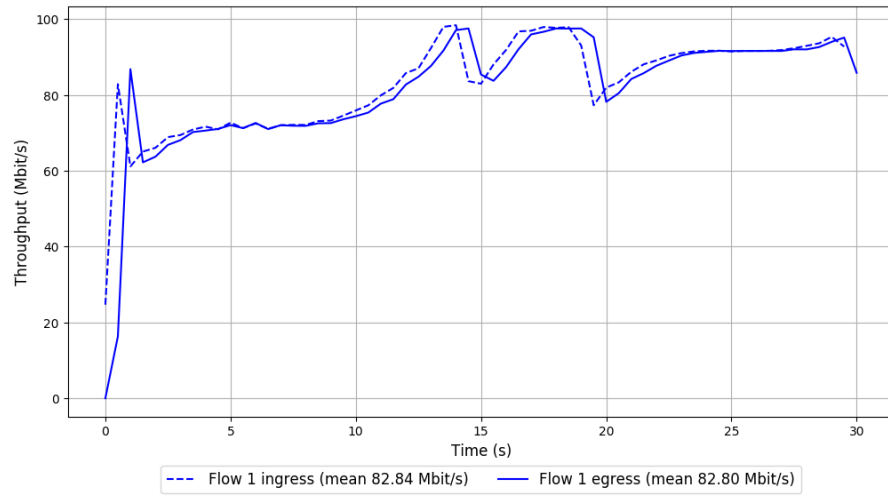
-- Flow 1:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 37.390 ms

Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 17:35:52

End at: 2018-08-01 17:36:22

Local clock offset: 0.343 ms

Remote clock offset: 1.652 ms

Below is generated by plot.py at 2018-08-01 20:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.70 Mbit/s

95th percentile per-packet one-way delay: 37.424 ms

Loss rate: 0.27%

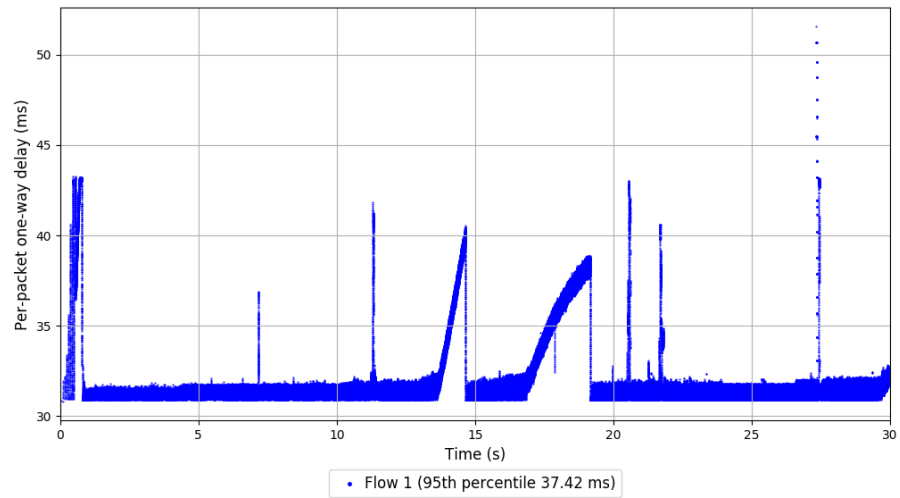
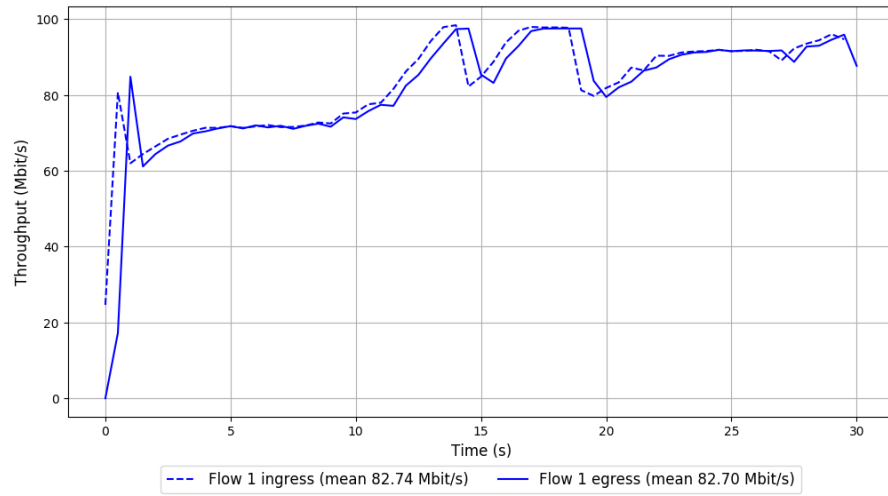
-- Flow 1:

Average throughput: 82.70 Mbit/s

95th percentile per-packet one-way delay: 37.424 ms

Loss rate: 0.27%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 17:58:16

End at: 2018-08-01 17:58:46

Local clock offset: 0.381 ms

Remote clock offset: 1.401 ms

Below is generated by plot.py at 2018-08-01 20:08:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 37.223 ms

Loss rate: 0.26%

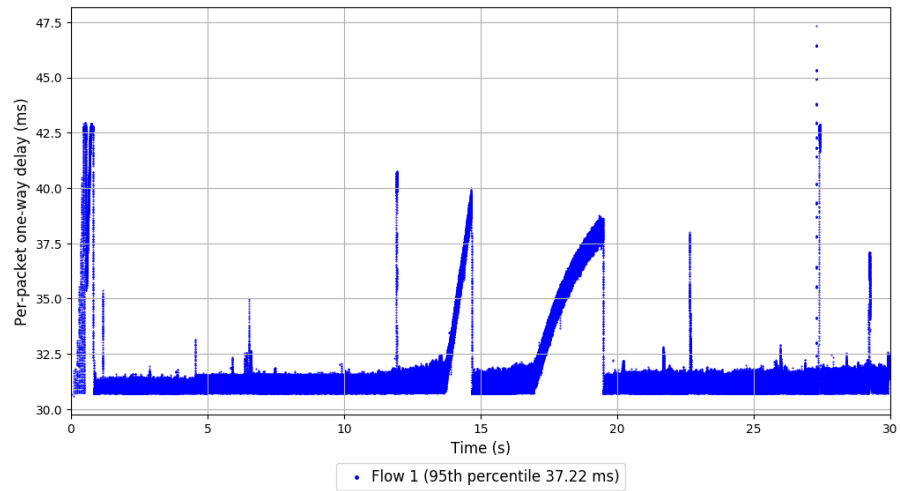
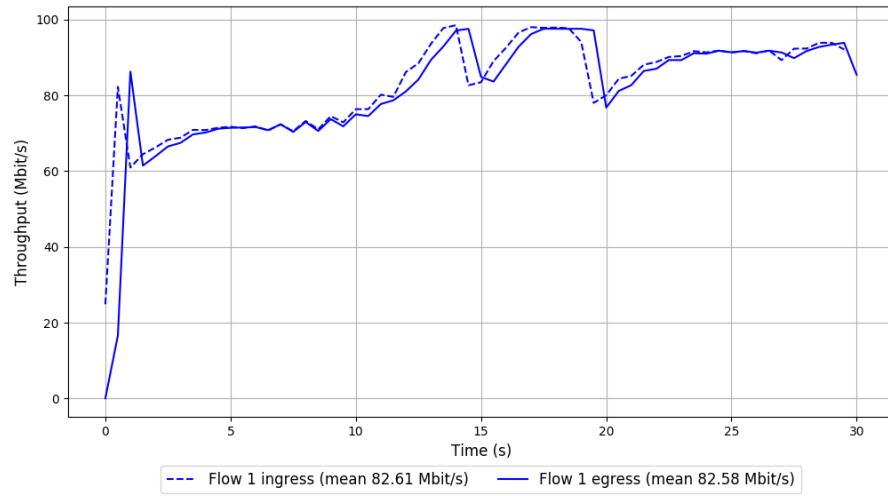
-- Flow 1:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 37.223 ms

Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 18:20:37

End at: 2018-08-01 18:21:07

Local clock offset: -0.11 ms

Remote clock offset: 1.653 ms

Below is generated by plot.py at 2018-08-01 20:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 37.815 ms

Loss rate: 0.23%

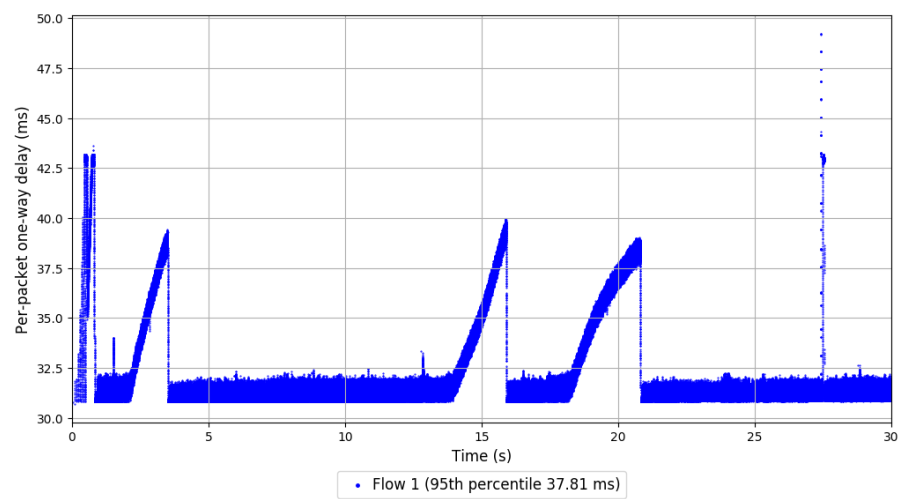
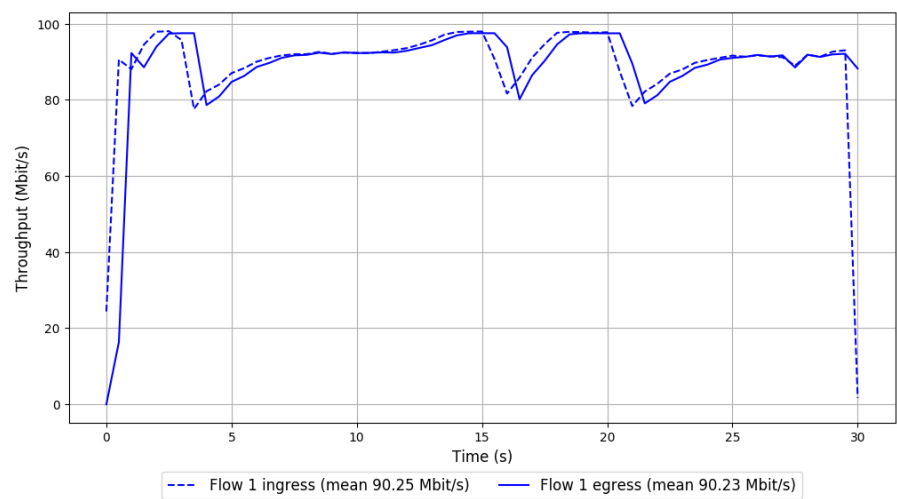
-- Flow 1:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 37.815 ms

Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 18:42:53

End at: 2018-08-01 18:43:23

Local clock offset: -0.255 ms

Remote clock offset: 1.855 ms

Below is generated by plot.py at 2018-08-01 20:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.08 Mbit/s

95th percentile per-packet one-way delay: 37.249 ms

Loss rate: 0.26%

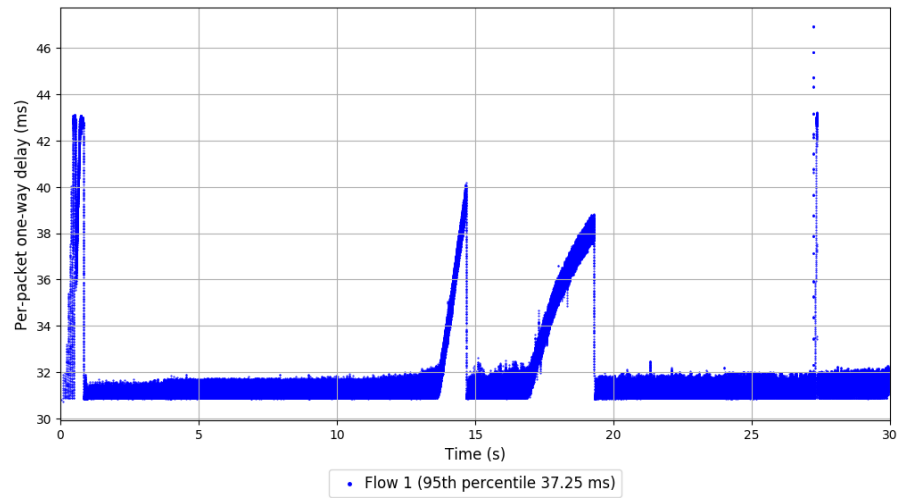
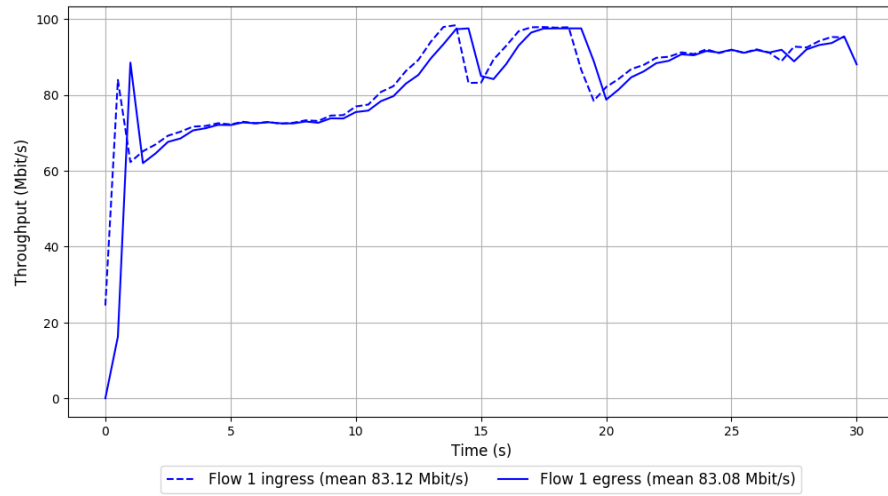
-- Flow 1:

Average throughput: 83.08 Mbit/s

95th percentile per-packet one-way delay: 37.249 ms

Loss rate: 0.26%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 19:05:09

End at: 2018-08-01 19:05:39

Local clock offset: -0.137 ms

Remote clock offset: 2.304 ms

Below is generated by plot.py at 2018-08-01 20:08:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 37.145 ms

Loss rate: 0.26%

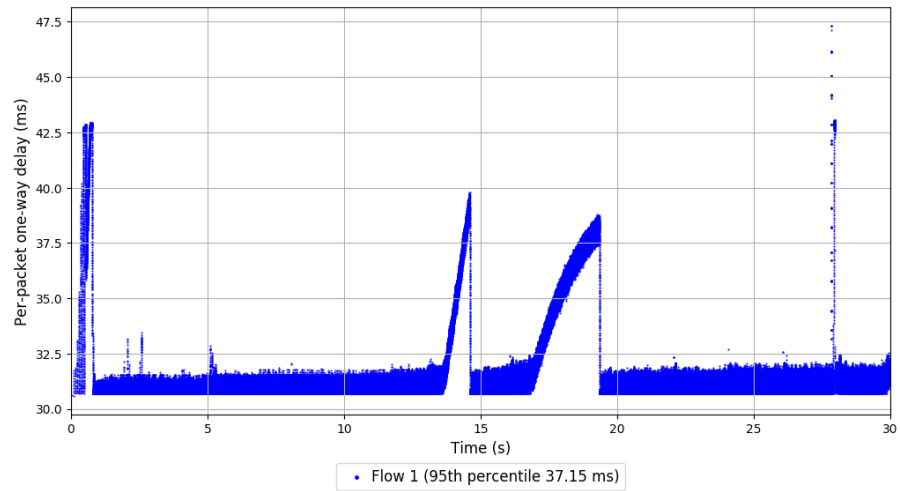
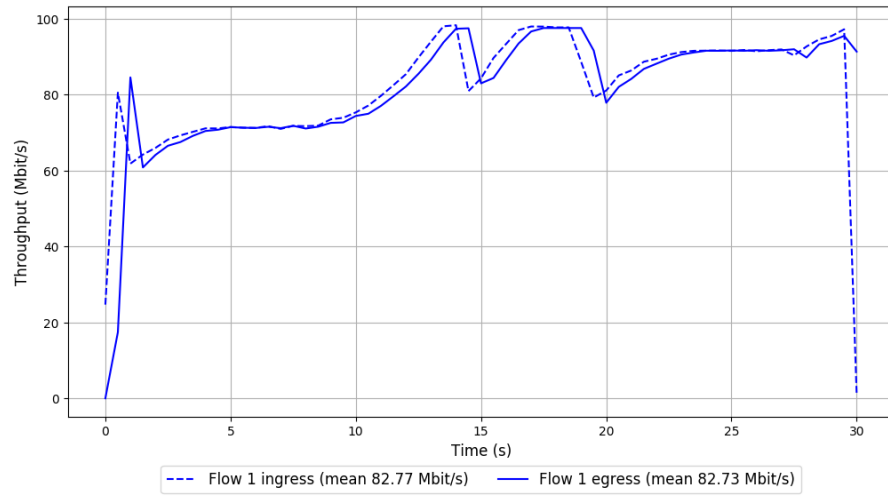
-- Flow 1:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 37.145 ms

Loss rate: 0.26%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 19:27:27

End at: 2018-08-01 19:27:57

Local clock offset: 0.219 ms

Remote clock offset: 2.202 ms

Below is generated by plot.py at 2018-08-01 20:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 37.664 ms

Loss rate: 0.23%

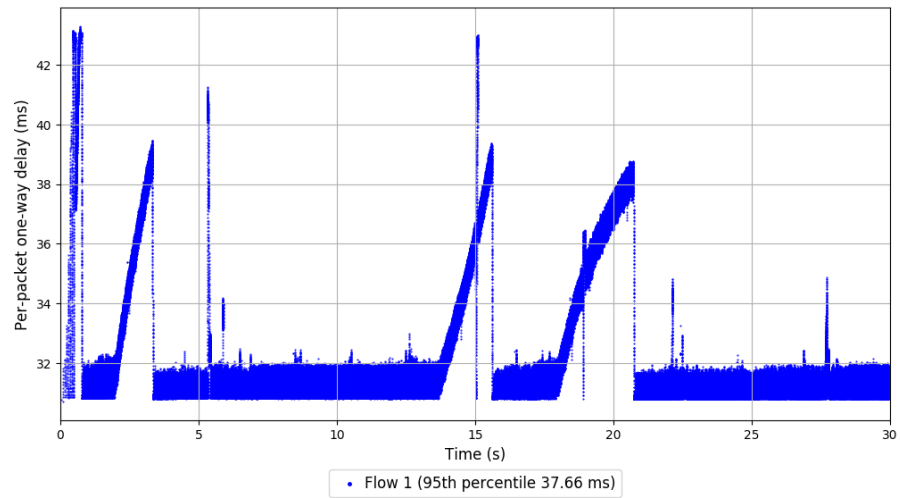
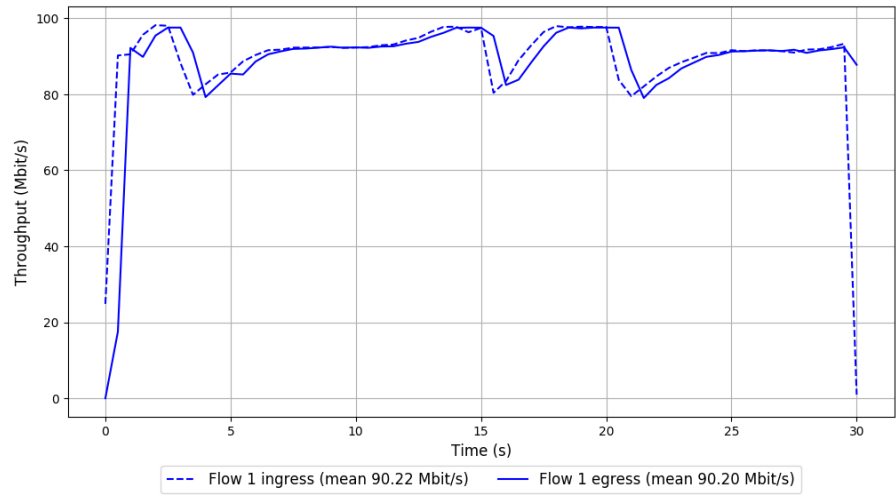
-- Flow 1:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 37.664 ms

Loss rate: 0.23%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 19:49:46

End at: 2018-08-01 19:50:16

Local clock offset: 0.532 ms

Remote clock offset: 2.241 ms

Below is generated by plot.py at 2018-08-01 20:09:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 37.261 ms

Loss rate: 0.27%

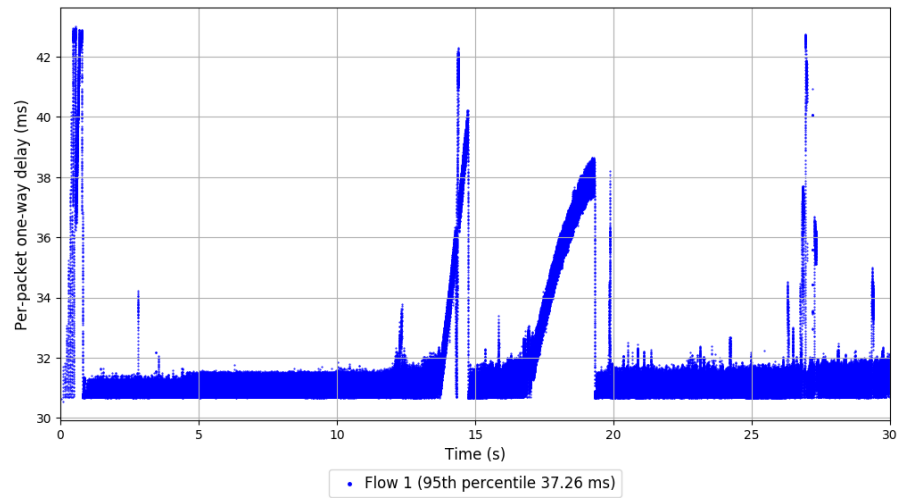
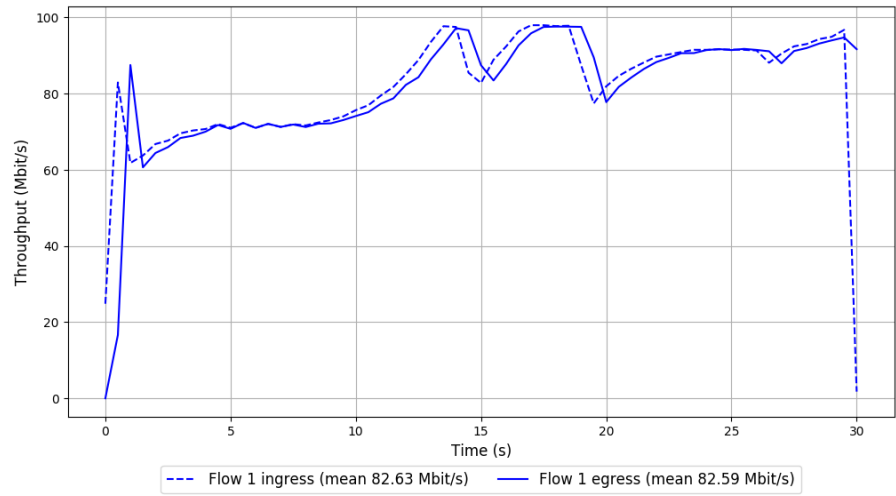
-- Flow 1:

Average throughput: 82.59 Mbit/s

95th percentile per-packet one-way delay: 37.261 ms

Loss rate: 0.27%

Run 10: Report of TCP Cubic — Data Link

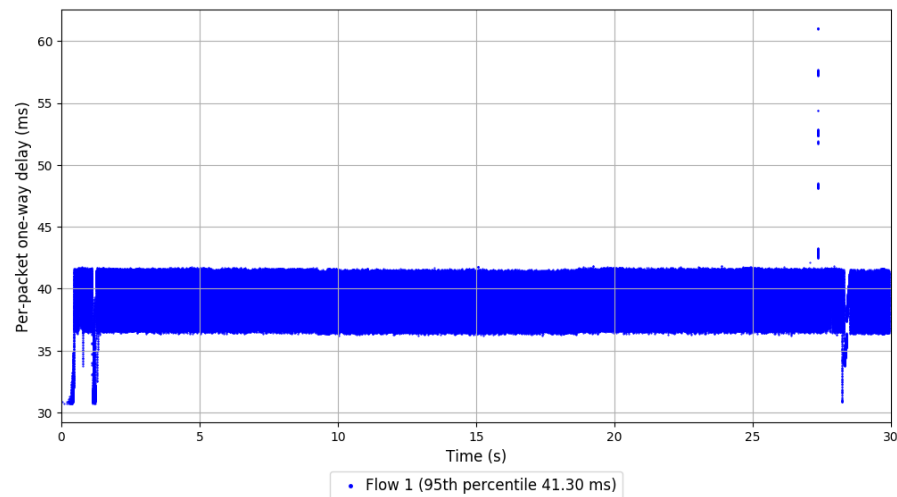
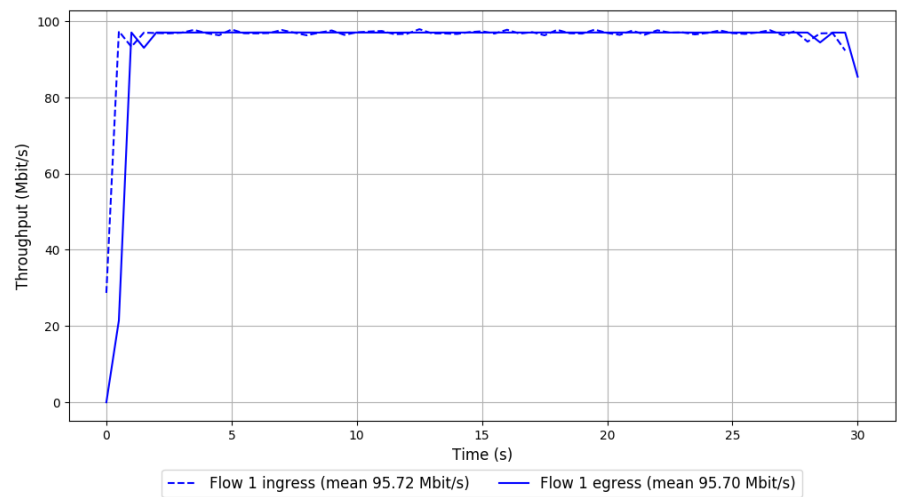


```
Run 1: Statistics of FillP

Start at: 2018-08-01 16:31:20
End at: 2018-08-01 16:31:50
Local clock offset: 0.268 ms
Remote clock offset: 1.699 ms

# Below is generated by plot.py at 2018-08-01 20:10:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 41.297 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 41.297 ms
Loss rate: 0.25%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-01 16:53:39

End at: 2018-08-01 16:54:09

Local clock offset: 0.213 ms

Remote clock offset: 2.082 ms

Below is generated by plot.py at 2018-08-01 20:10:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 41.229 ms

Loss rate: 0.25%

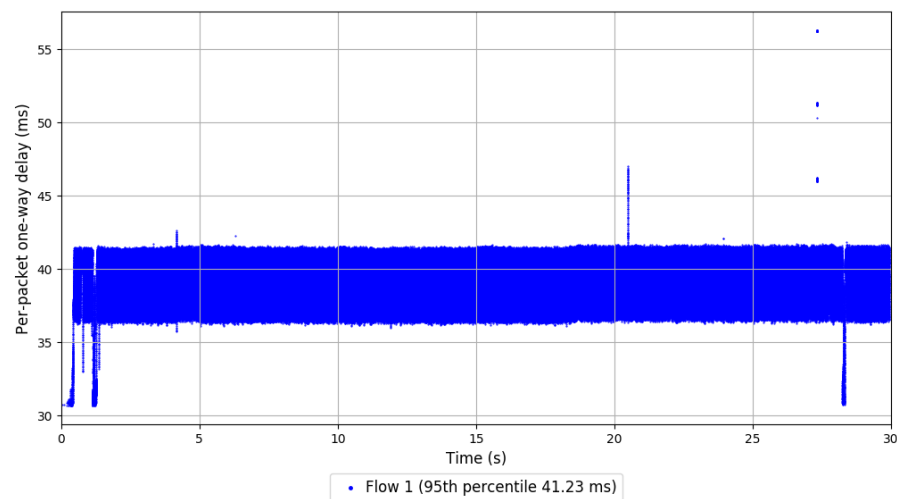
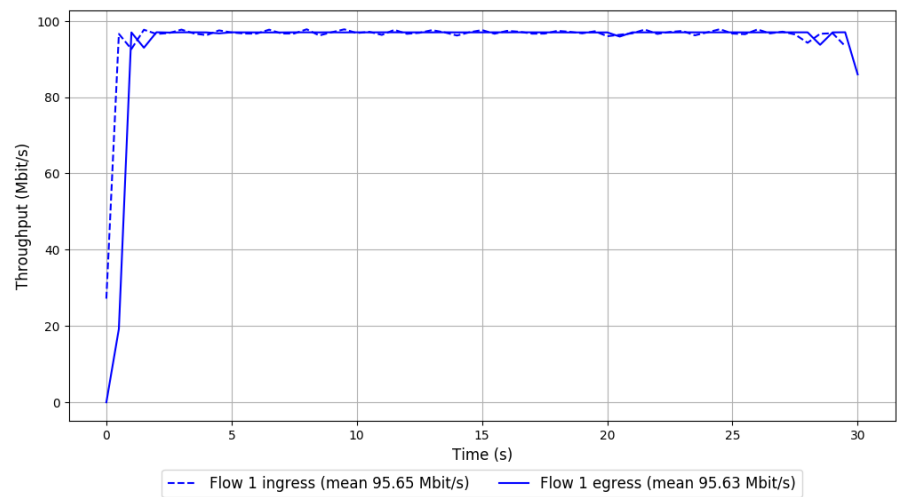
-- Flow 1:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 41.229 ms

Loss rate: 0.25%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-01 17:16:03

End at: 2018-08-01 17:16:33

Local clock offset: 0.257 ms

Remote clock offset: 1.968 ms

Below is generated by plot.py at 2018-08-01 20:10:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 41.175 ms

Loss rate: 0.25%

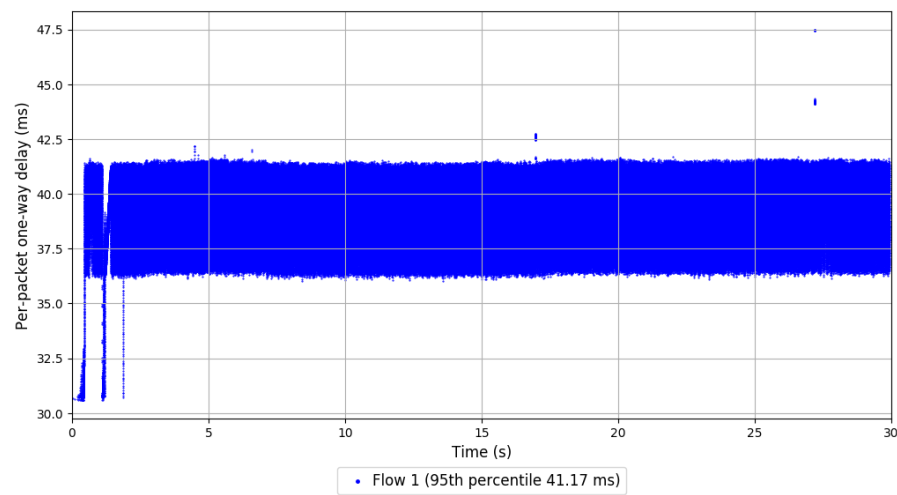
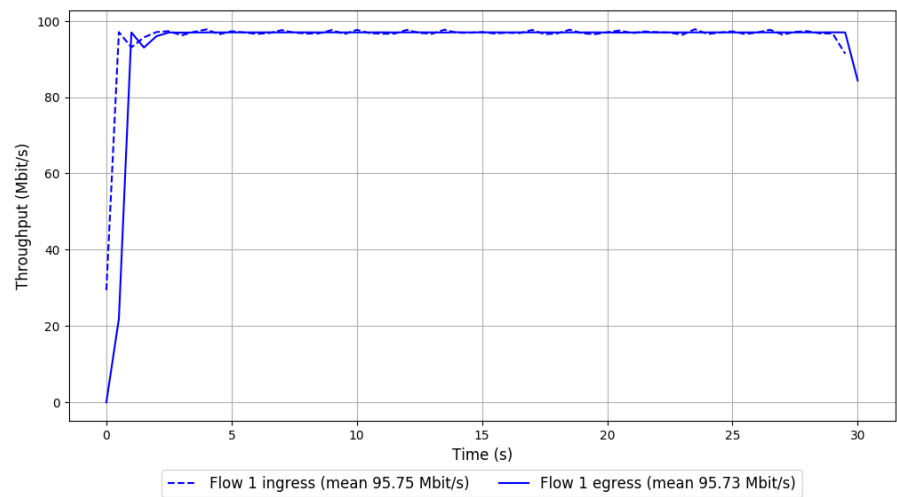
-- Flow 1:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 41.175 ms

Loss rate: 0.25%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-01 17:38:32

End at: 2018-08-01 17:39:02

Local clock offset: 0.365 ms

Remote clock offset: 1.591 ms

Below is generated by plot.py at 2018-08-01 20:10:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 41.339 ms

Loss rate: 0.25%

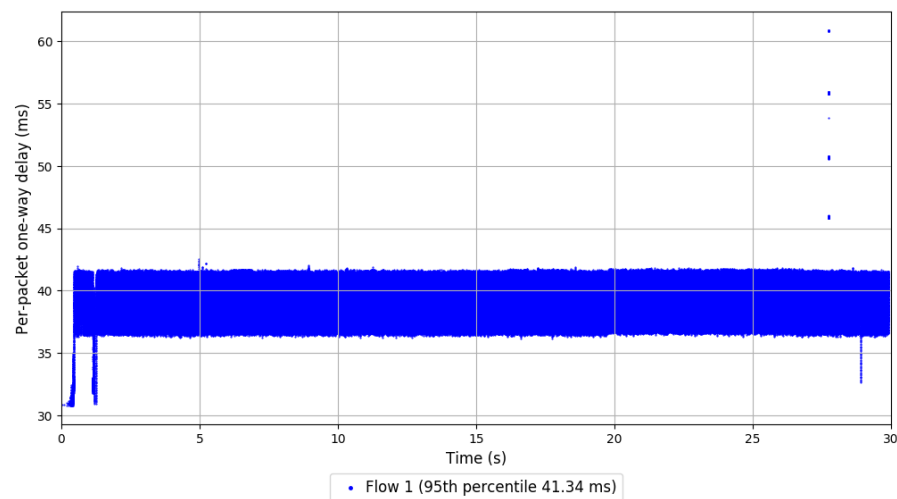
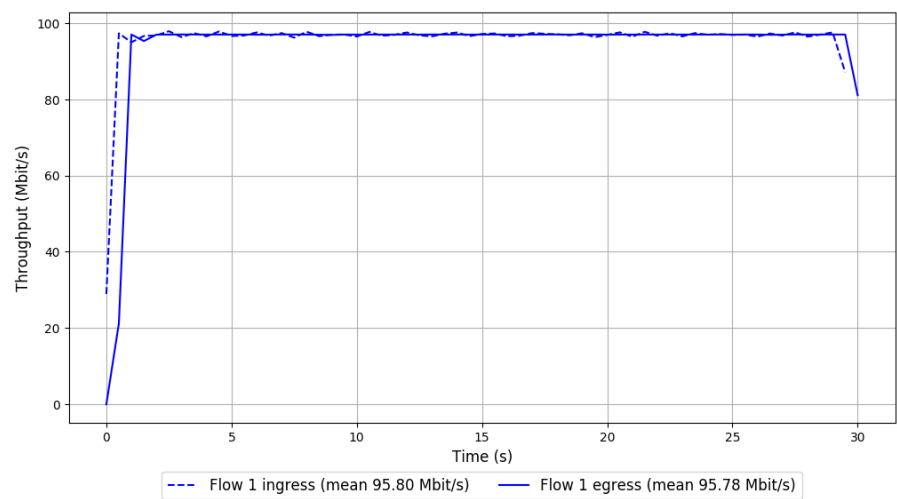
-- Flow 1:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 41.339 ms

Loss rate: 0.25%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-01 18:00:58

End at: 2018-08-01 18:01:28

Local clock offset: 0.43 ms

Remote clock offset: 1.304 ms

Below is generated by plot.py at 2018-08-01 20:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 41.367 ms

Loss rate: 0.25%

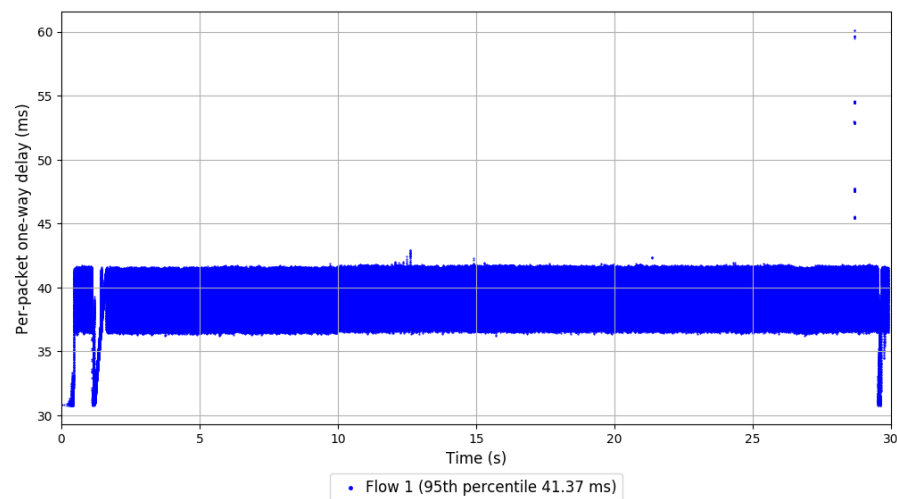
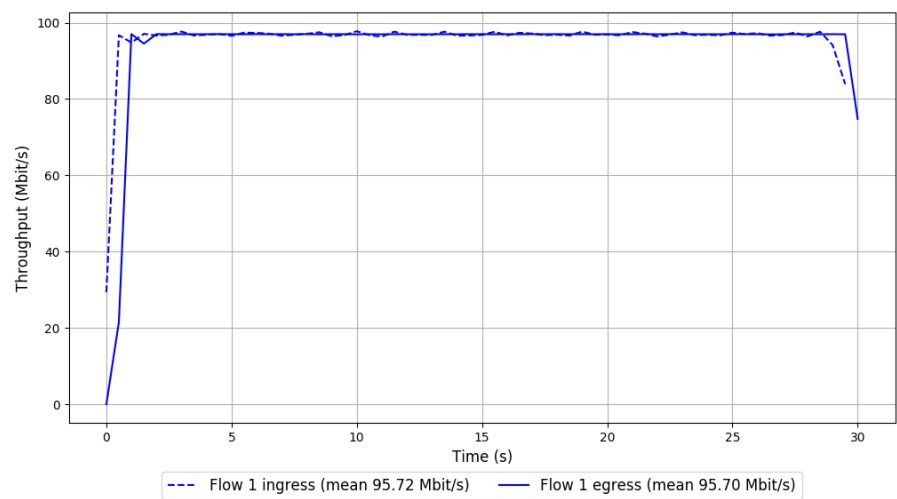
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 41.367 ms

Loss rate: 0.25%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-01 18:23:16

End at: 2018-08-01 18:23:46

Local clock offset: -0.16 ms

Remote clock offset: 1.68 ms

Below is generated by plot.py at 2018-08-01 20:10:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 41.321 ms

Loss rate: 0.24%

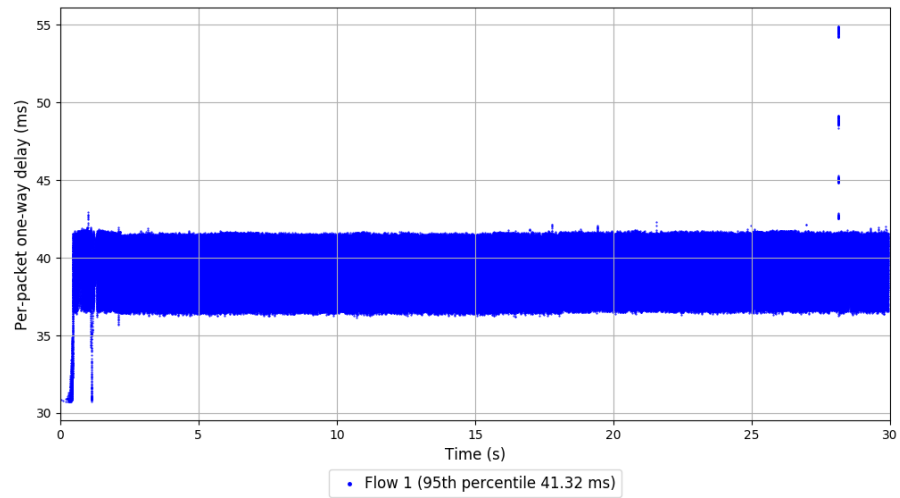
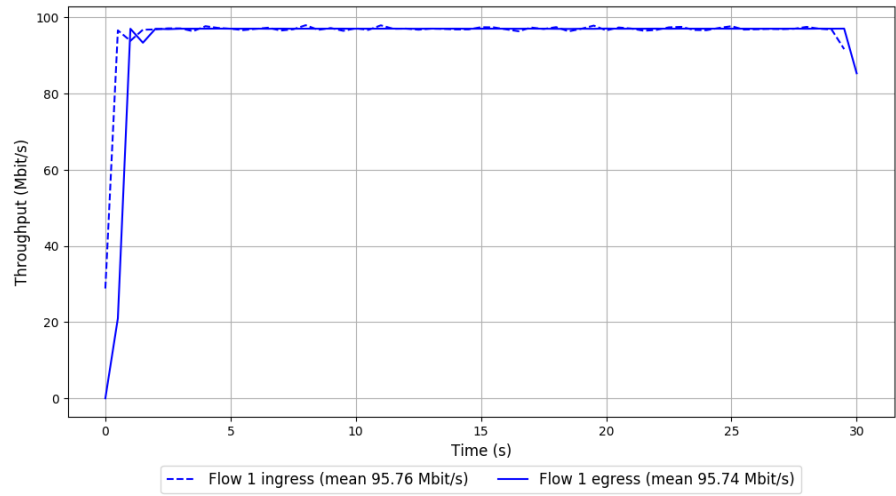
-- Flow 1:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 41.321 ms

Loss rate: 0.24%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-01 18:45:33

End at: 2018-08-01 18:46:03

Local clock offset: -0.286 ms

Remote clock offset: 1.854 ms

Below is generated by plot.py at 2018-08-01 20:10:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 41.207 ms

Loss rate: 0.26%

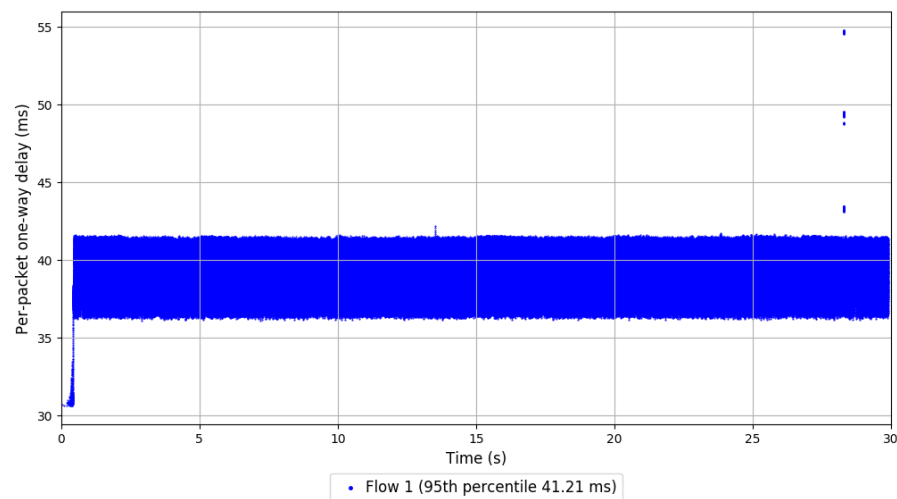
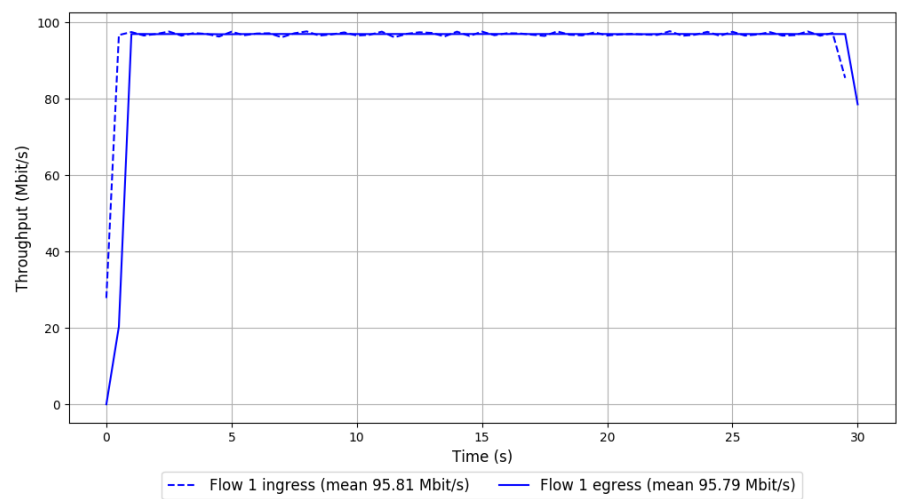
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 41.207 ms

Loss rate: 0.26%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-01 19:07:49

End at: 2018-08-01 19:08:19

Local clock offset: -0.022 ms

Remote clock offset: 2.276 ms

Below is generated by plot.py at 2018-08-01 20:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.262 ms

Loss rate: 0.24%

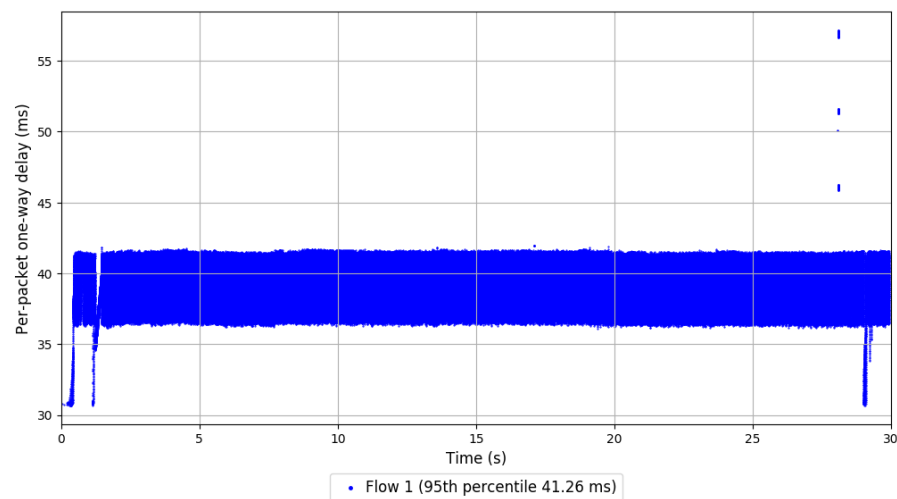
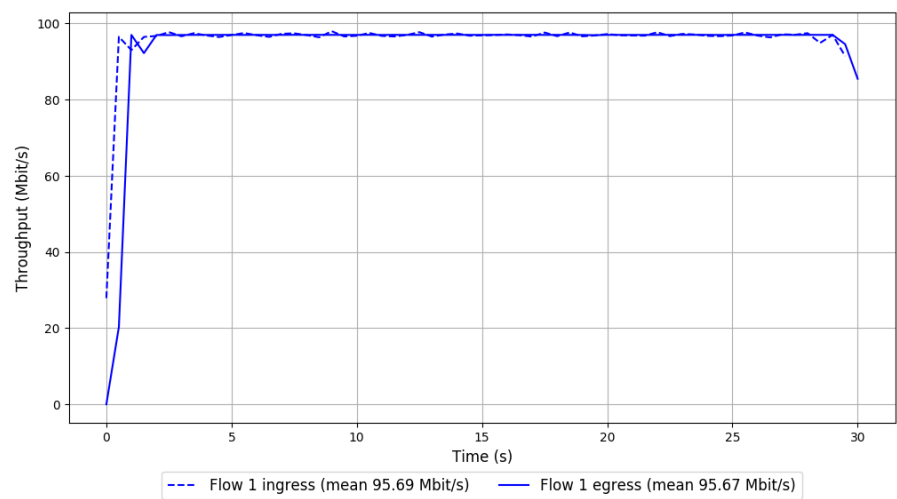
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.262 ms

Loss rate: 0.24%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-01 19:30:07

End at: 2018-08-01 19:30:37

Local clock offset: 0.271 ms

Remote clock offset: 2.184 ms

Below is generated by plot.py at 2018-08-01 20:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 41.315 ms

Loss rate: 0.26%

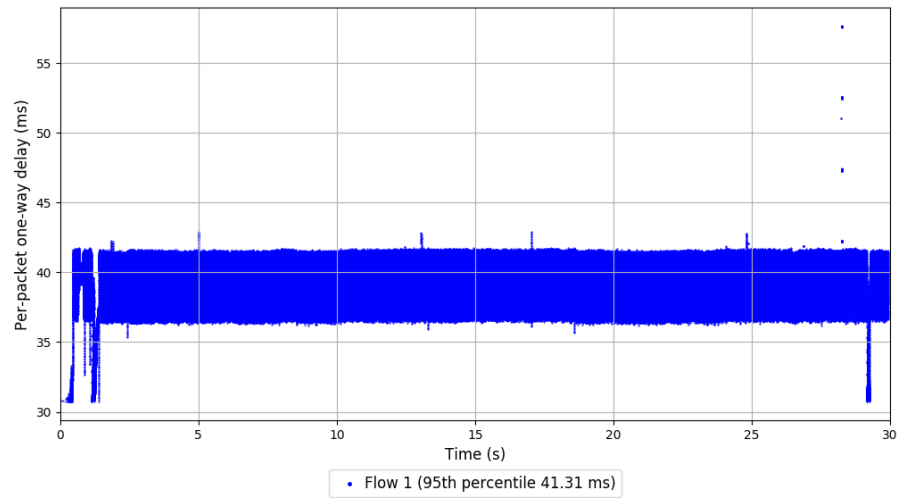
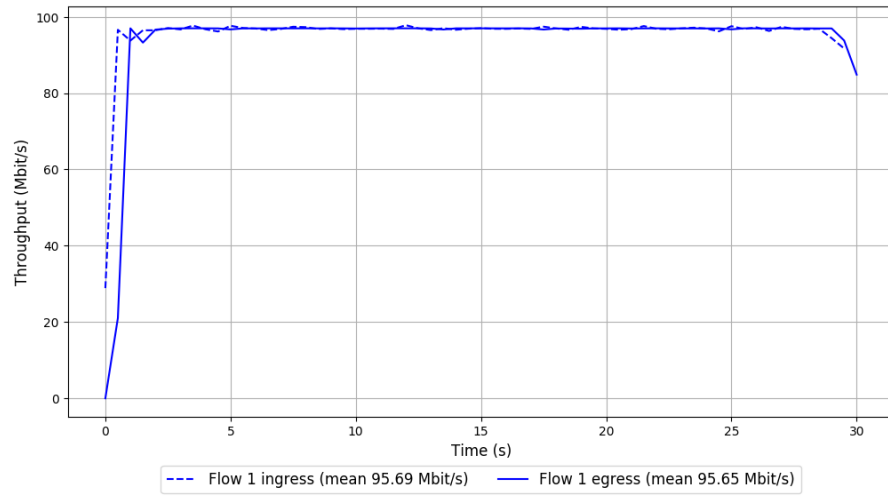
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 41.315 ms

Loss rate: 0.26%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-01 19:52:26

End at: 2018-08-01 19:52:56

Local clock offset: 0.677 ms

Remote clock offset: 2.181 ms

Below is generated by plot.py at 2018-08-01 20:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 41.402 ms

Loss rate: 0.25%

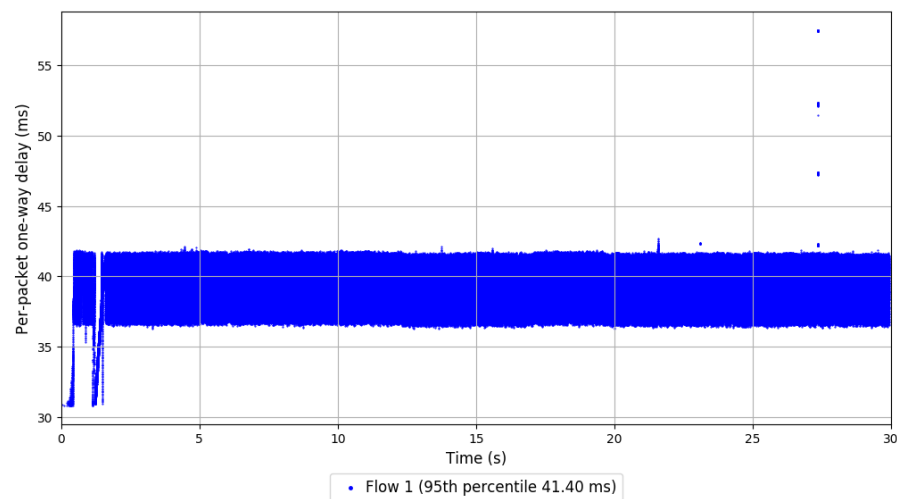
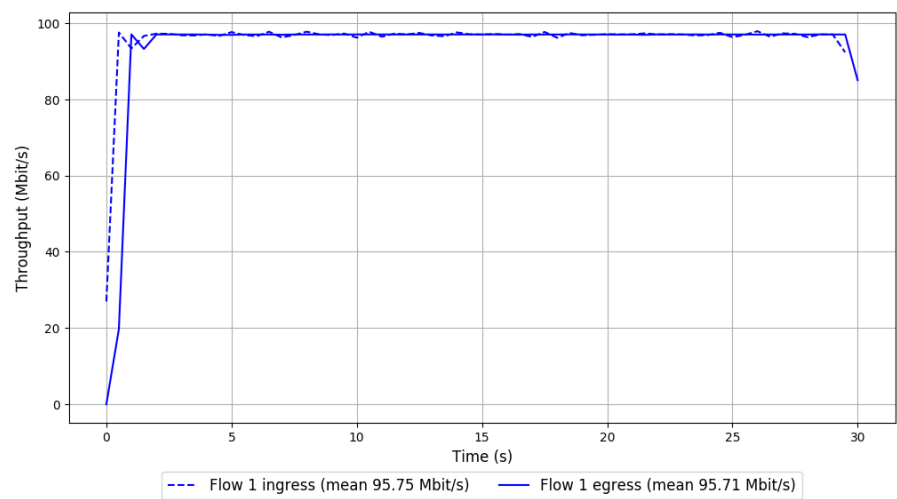
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 41.402 ms

Loss rate: 0.25%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 16:19:24

End at: 2018-08-01 16:19:54

Local clock offset: 0.388 ms

Remote clock offset: 1.618 ms

Below is generated by plot.py at 2018-08-01 20:11:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 41.185 ms

Loss rate: 0.26%

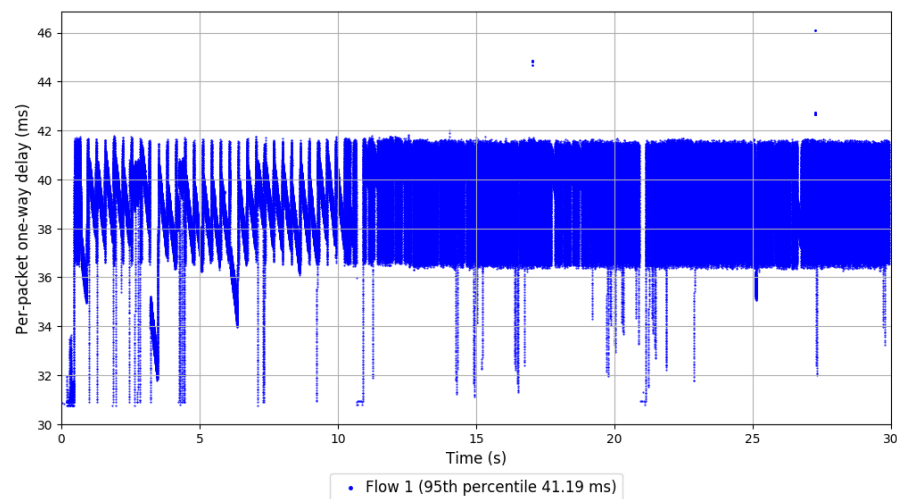
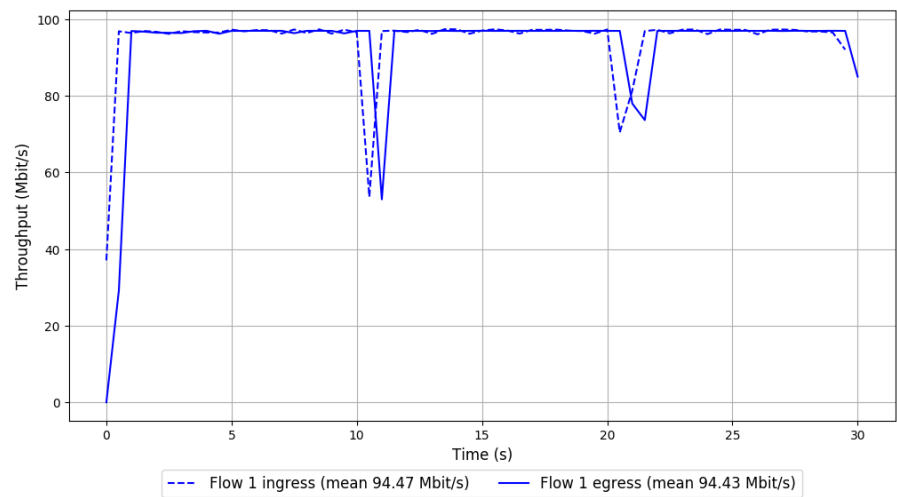
-- Flow 1:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 41.185 ms

Loss rate: 0.26%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 16:41:39

End at: 2018-08-01 16:42:09

Local clock offset: 0.097 ms

Remote clock offset: 1.592 ms

Below is generated by plot.py at 2018-08-01 20:11:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 41.184 ms

Loss rate: 0.27%

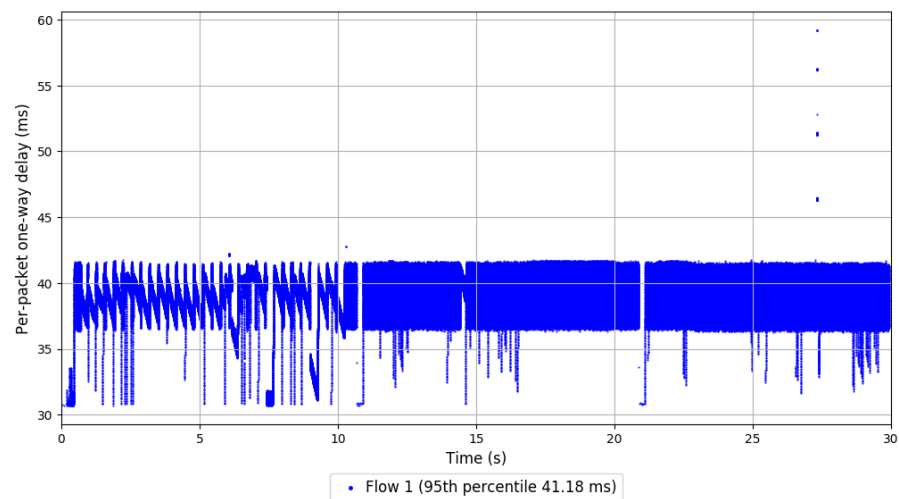
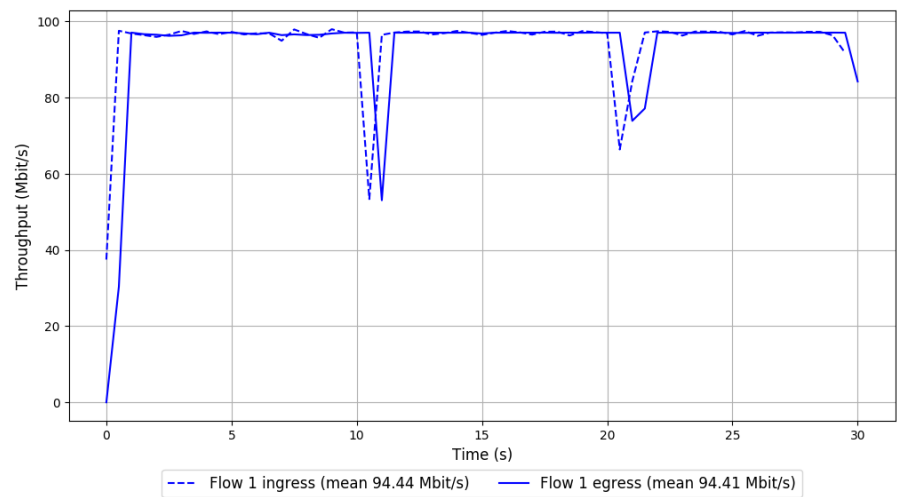
-- Flow 1:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 41.184 ms

Loss rate: 0.27%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 17:03:59

End at: 2018-08-01 17:04:29

Local clock offset: 0.271 ms

Remote clock offset: 2.139 ms

Below is generated by plot.py at 2018-08-01 20:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 41.150 ms

Loss rate: 0.27%

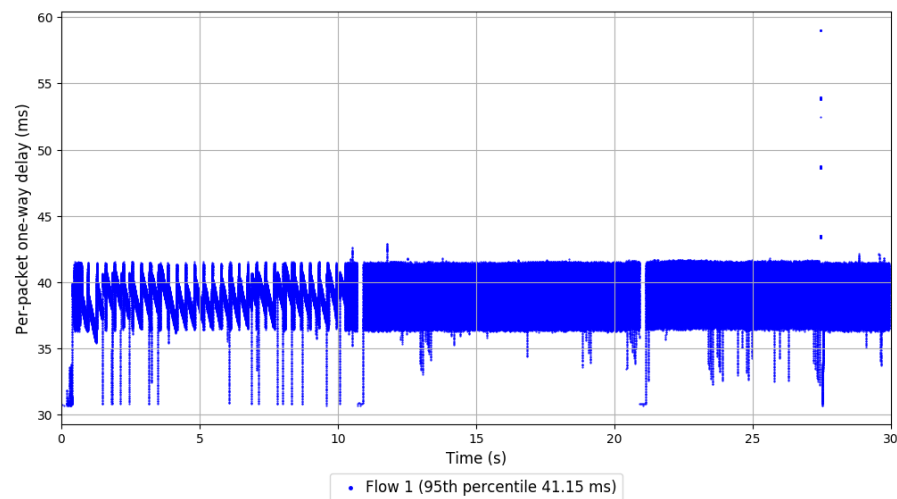
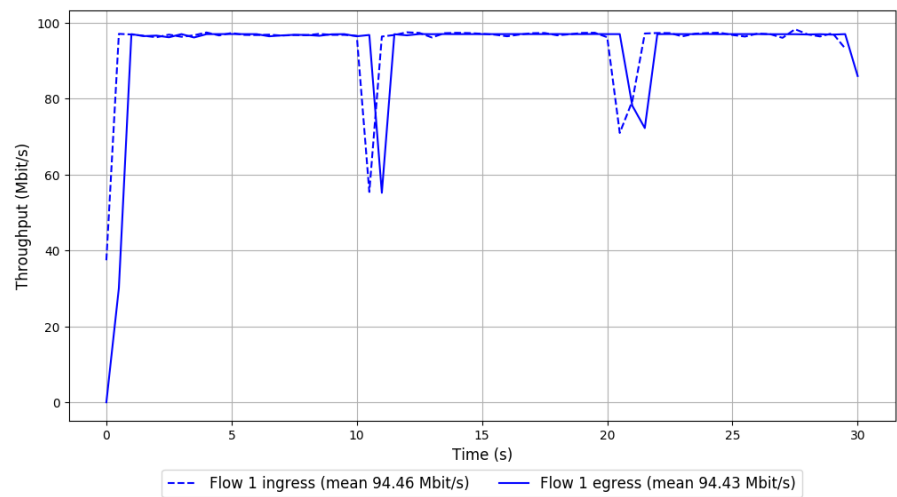
-- Flow 1:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 41.150 ms

Loss rate: 0.27%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 17:26:35

End at: 2018-08-01 17:27:05

Local clock offset: 0.307 ms

Remote clock offset: 1.828 ms

Below is generated by plot.py at 2018-08-01 20:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 41.143 ms

Loss rate: 0.28%

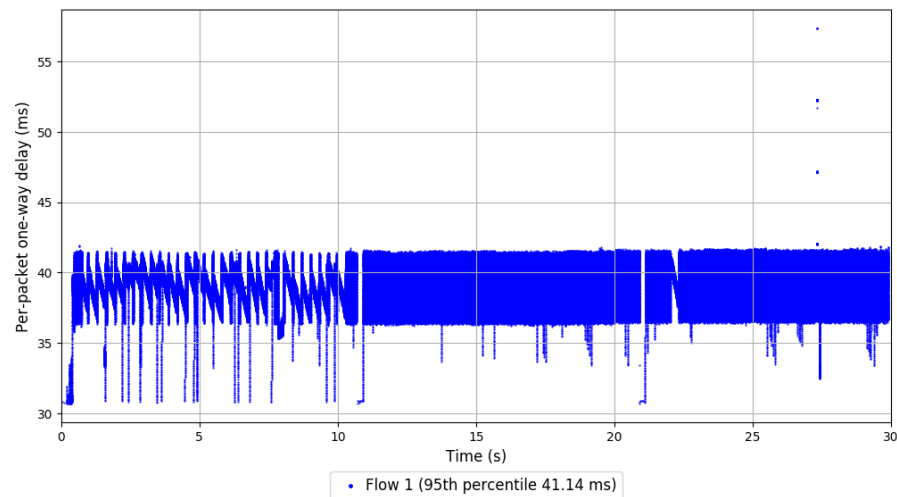
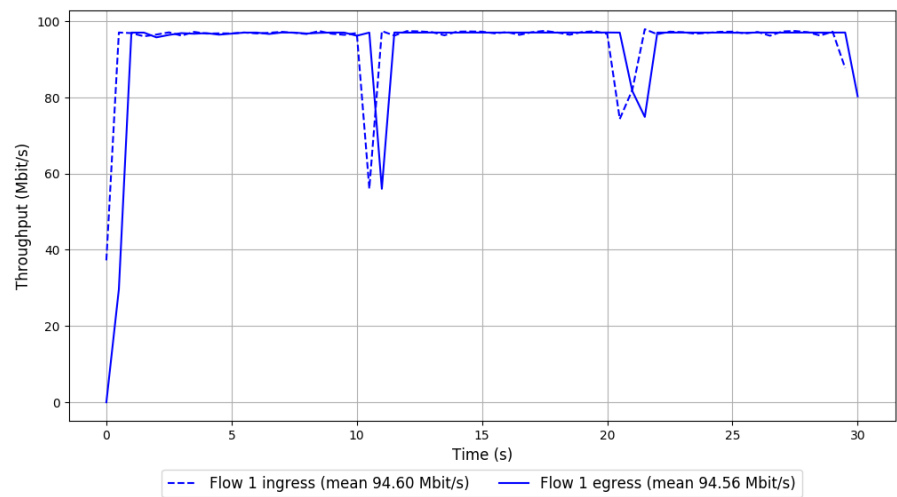
-- Flow 1:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 41.143 ms

Loss rate: 0.28%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 17:48:52

End at: 2018-08-01 17:49:22

Local clock offset: 0.433 ms

Remote clock offset: 1.49 ms

Below is generated by plot.py at 2018-08-01 20:11:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 41.077 ms

Loss rate: 0.27%

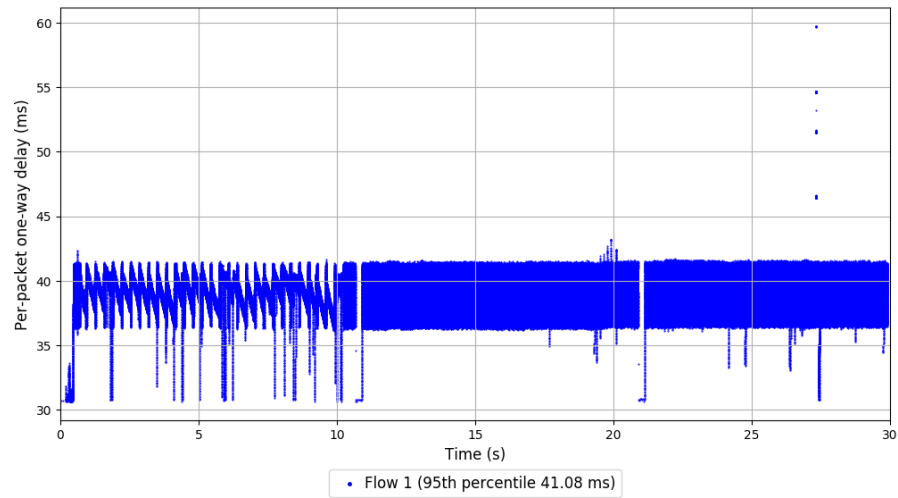
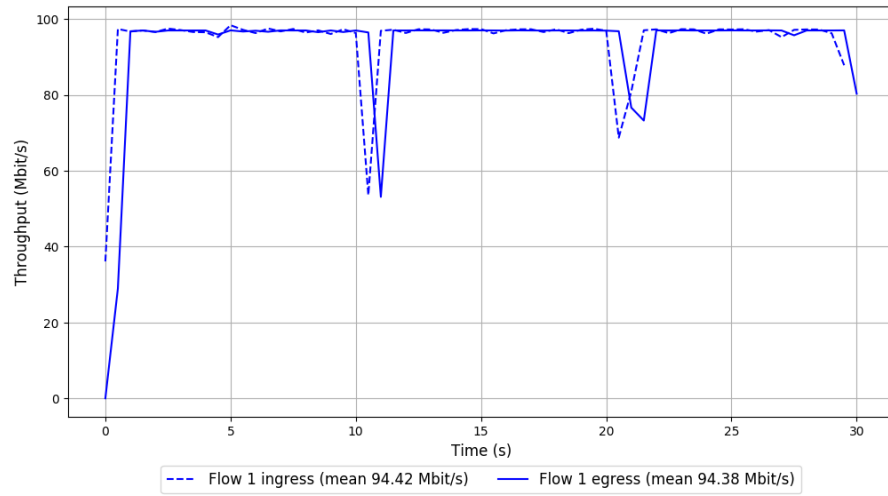
-- Flow 1:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 41.077 ms

Loss rate: 0.27%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 18:11:19

End at: 2018-08-01 18:11:49

Local clock offset: 0.145 ms

Remote clock offset: 1.201 ms

Below is generated by plot.py at 2018-08-01 20:11:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 41.192 ms

Loss rate: 0.27%

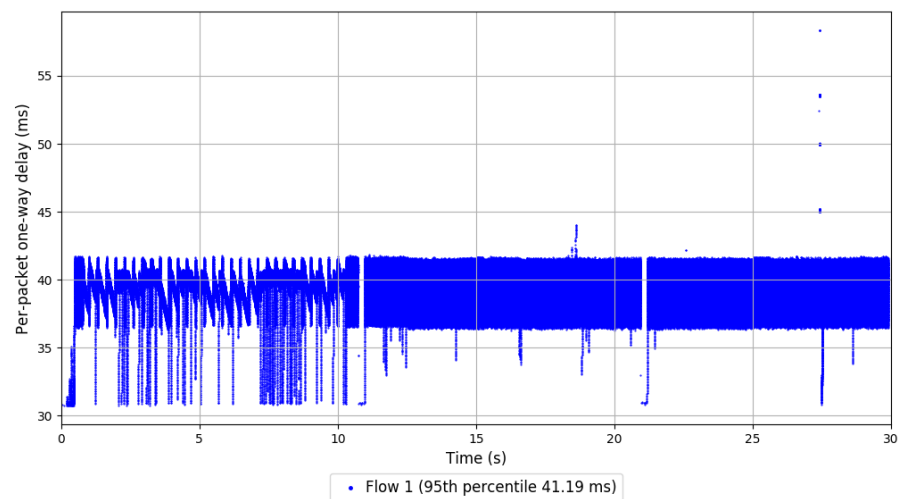
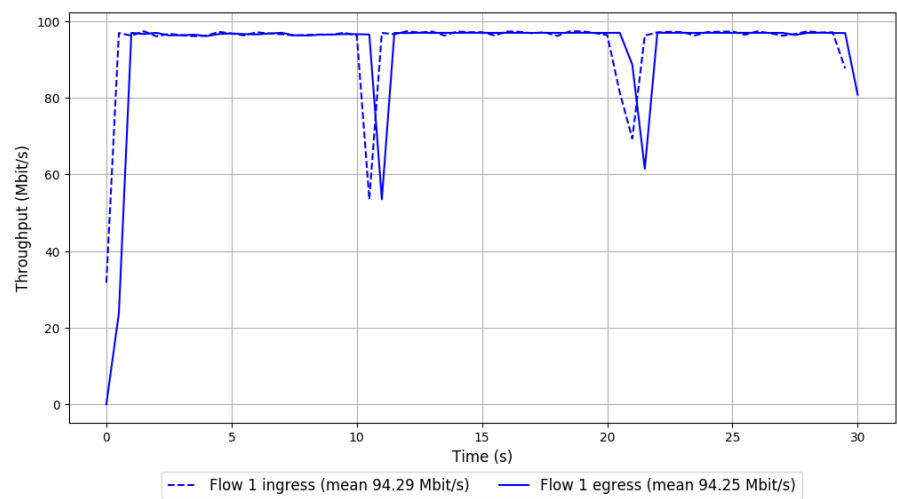
-- Flow 1:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 41.192 ms

Loss rate: 0.27%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 18:33:36

End at: 2018-08-01 18:34:06

Local clock offset: -0.23 ms

Remote clock offset: 1.808 ms

Below is generated by plot.py at 2018-08-01 20:12:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 41.066 ms

Loss rate: 0.27%

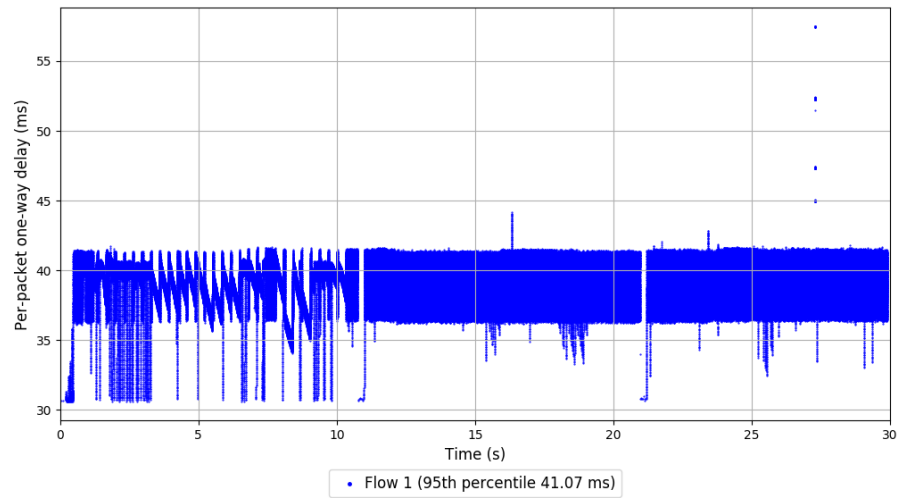
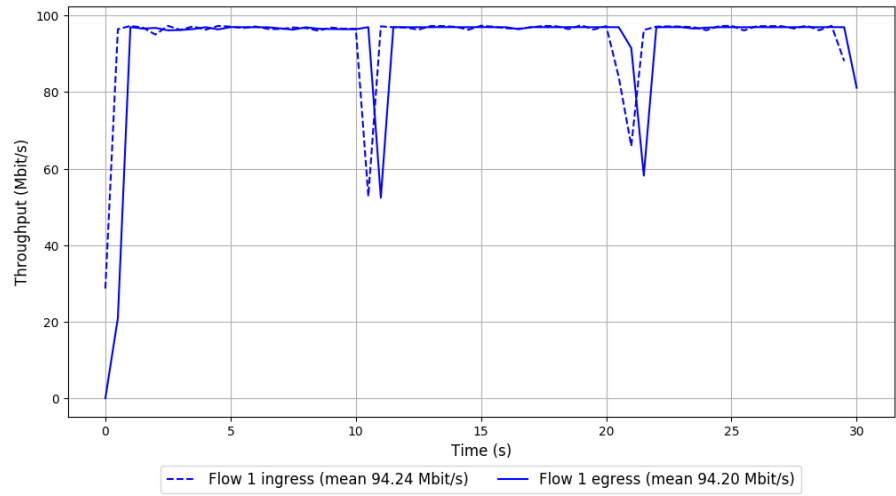
-- Flow 1:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 41.066 ms

Loss rate: 0.27%

Run 7: Report of FillP-Sheep — Data Link

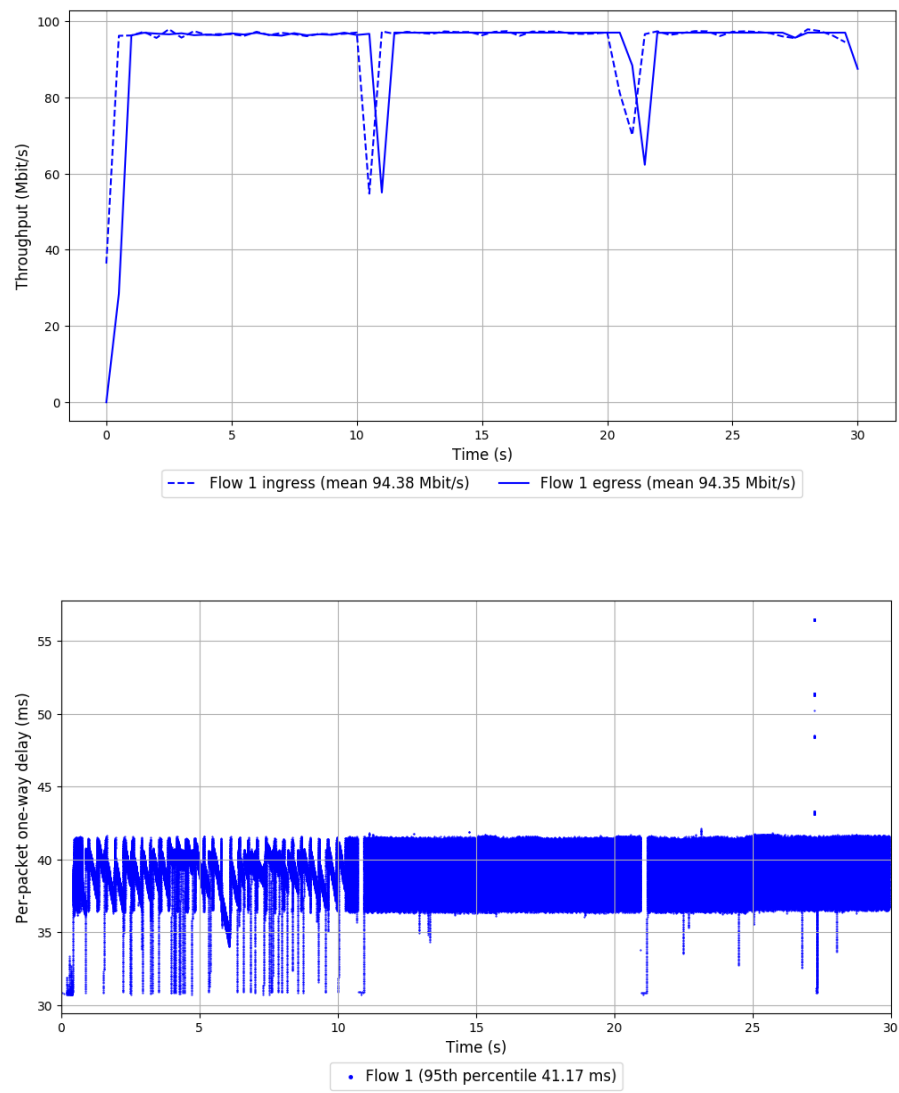


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 18:55:53
End at: 2018-08-01 18:56:23
Local clock offset: -0.222 ms
Remote clock offset: 2.141 ms

Below is generated by plot.py at 2018-08-01 20:12:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 41.169 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 41.169 ms
Loss rate: 0.26%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 19:18:10

End at: 2018-08-01 19:18:40

Local clock offset: 0.074 ms

Remote clock offset: 2.398 ms

Below is generated by plot.py at 2018-08-01 20:12:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 41.237 ms

Loss rate: 0.27%

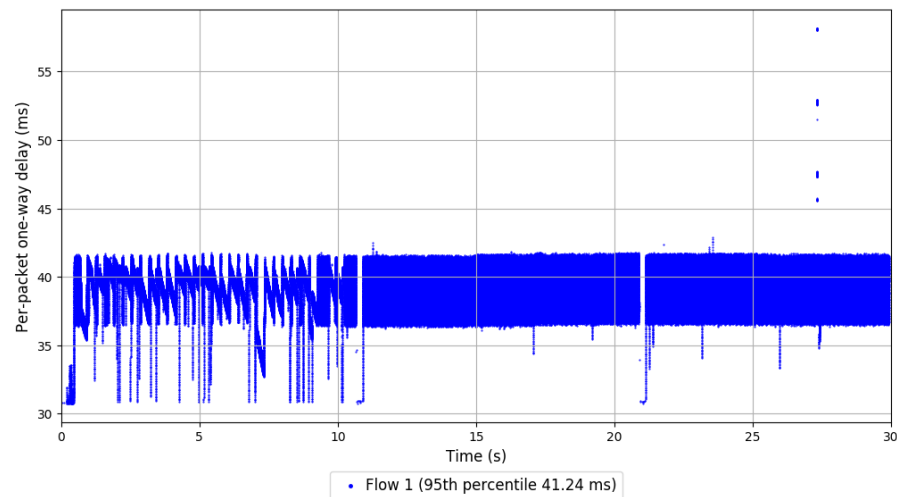
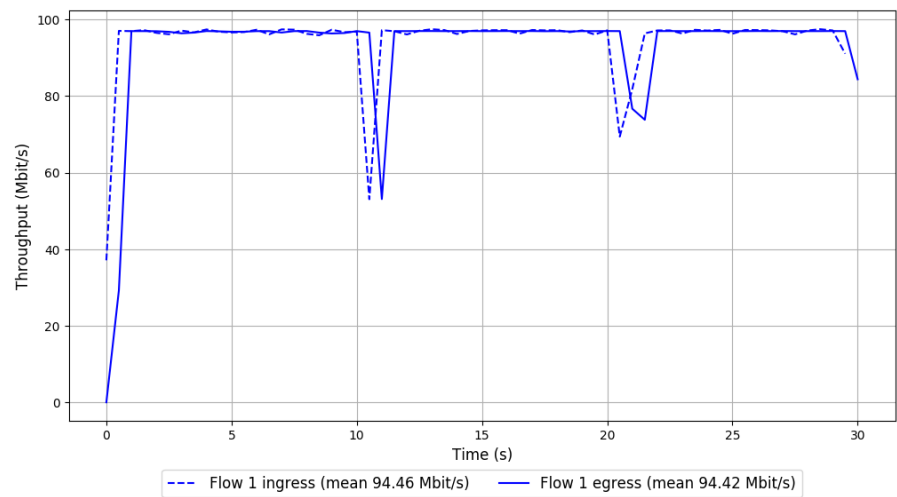
-- Flow 1:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 41.237 ms

Loss rate: 0.27%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 19:40:28

End at: 2018-08-01 19:40:58

Local clock offset: 0.44 ms

Remote clock offset: 2.161 ms

Below is generated by plot.py at 2018-08-01 20:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 41.138 ms

Loss rate: 0.26%

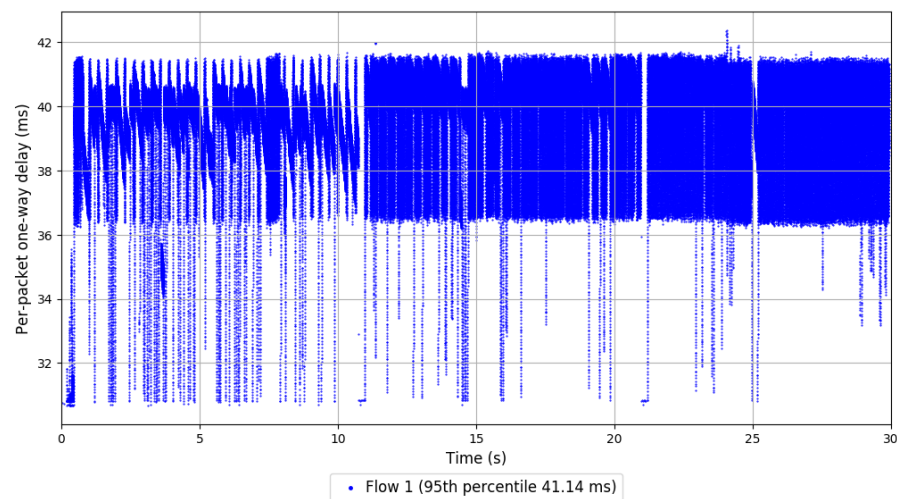
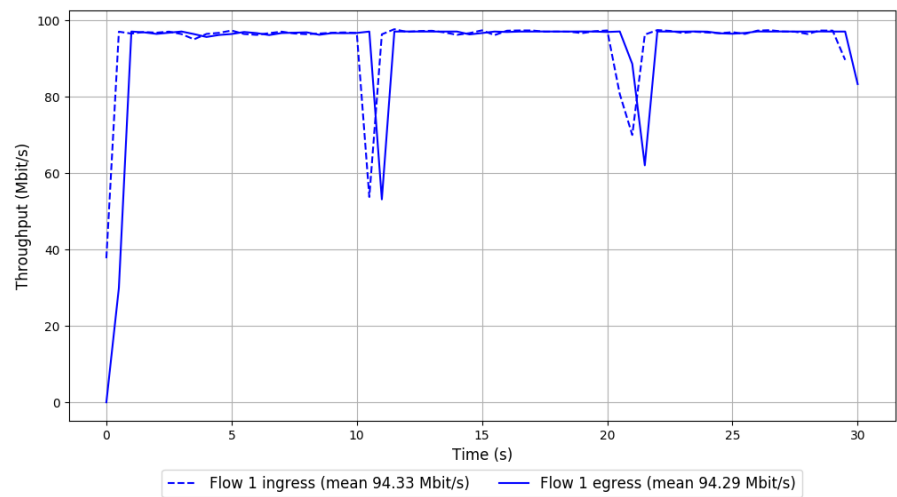
-- Flow 1:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 41.138 ms

Loss rate: 0.26%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-01 16:24:42

End at: 2018-08-01 16:25:12

Local clock offset: 0.348 ms

Remote clock offset: 1.634 ms

Below is generated by plot.py at 2018-08-01 20:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 33.900 ms

Loss rate: 0.23%

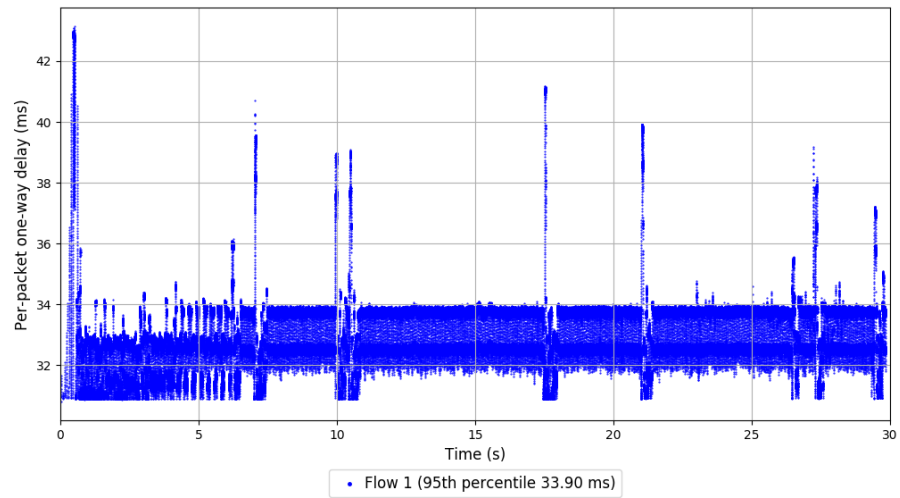
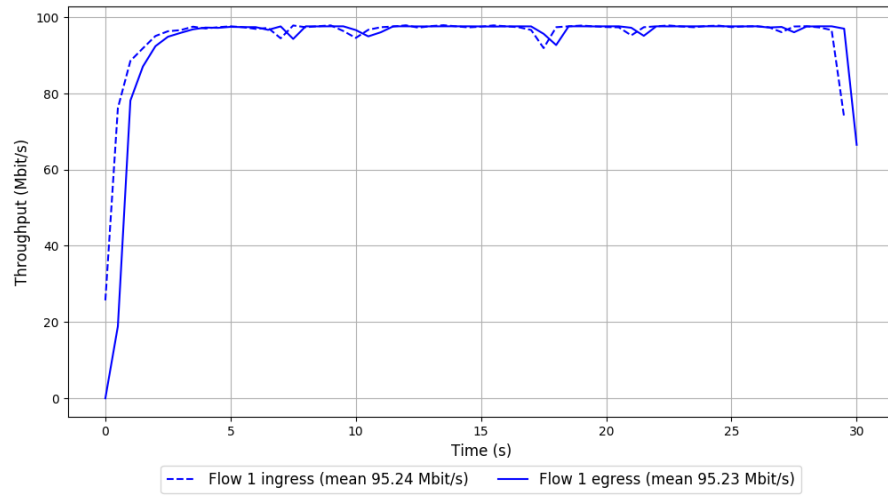
-- Flow 1:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 33.900 ms

Loss rate: 0.23%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-01 16:47:00

End at: 2018-08-01 16:47:30

Local clock offset: 0.169 ms

Remote clock offset: 1.833 ms

Below is generated by plot.py at 2018-08-01 20:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 33.862 ms

Loss rate: 0.24%

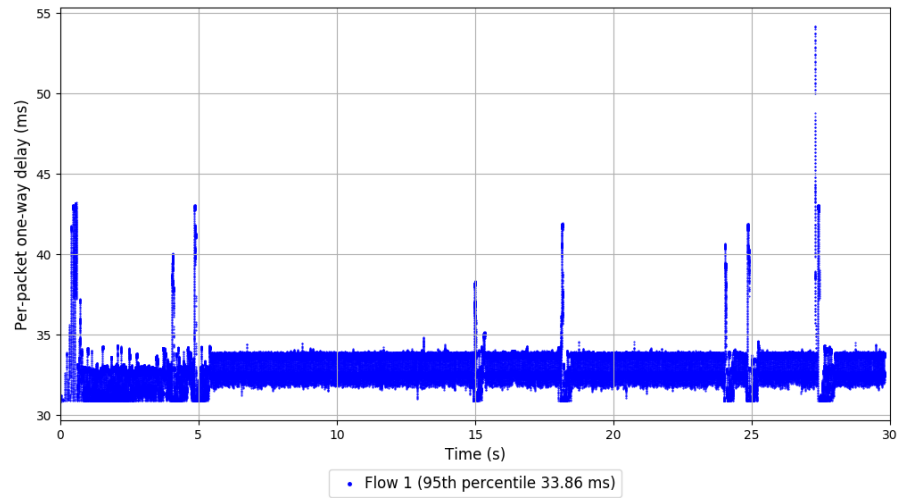
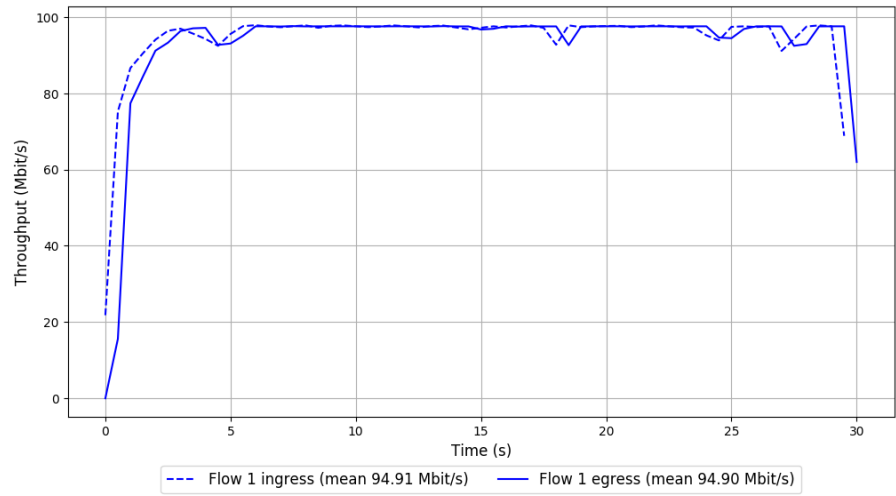
-- Flow 1:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 33.862 ms

Loss rate: 0.24%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-01 17:09:19

End at: 2018-08-01 17:09:49

Local clock offset: 0.323 ms

Remote clock offset: 2.076 ms

Below is generated by plot.py at 2018-08-01 20:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 34.407 ms

Loss rate: 0.23%

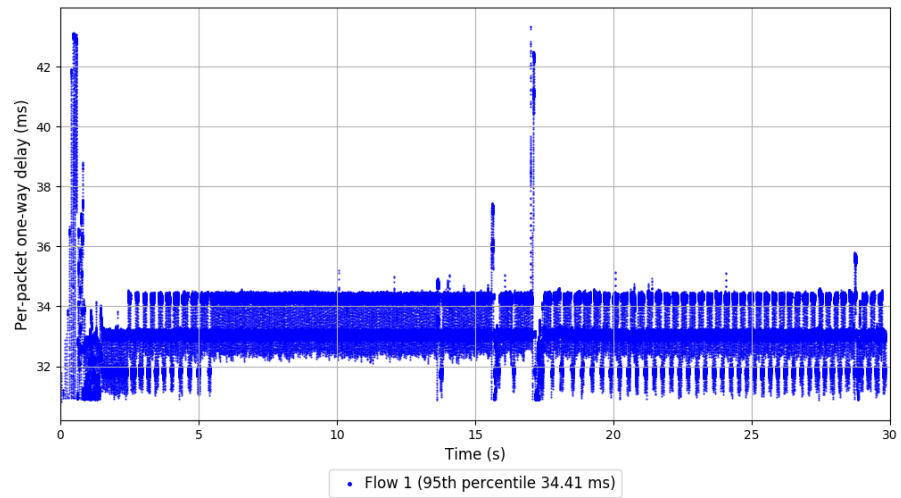
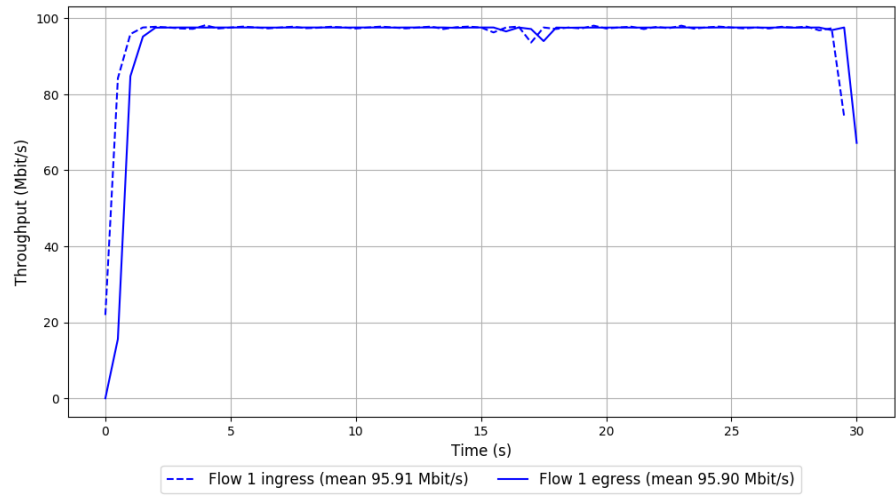
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 34.407 ms

Loss rate: 0.23%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-01 17:31:53

End at: 2018-08-01 17:32:23

Local clock offset: 0.196 ms

Remote clock offset: 1.727 ms

Below is generated by plot.py at 2018-08-01 20:13:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 34.410 ms

Loss rate: 0.23%

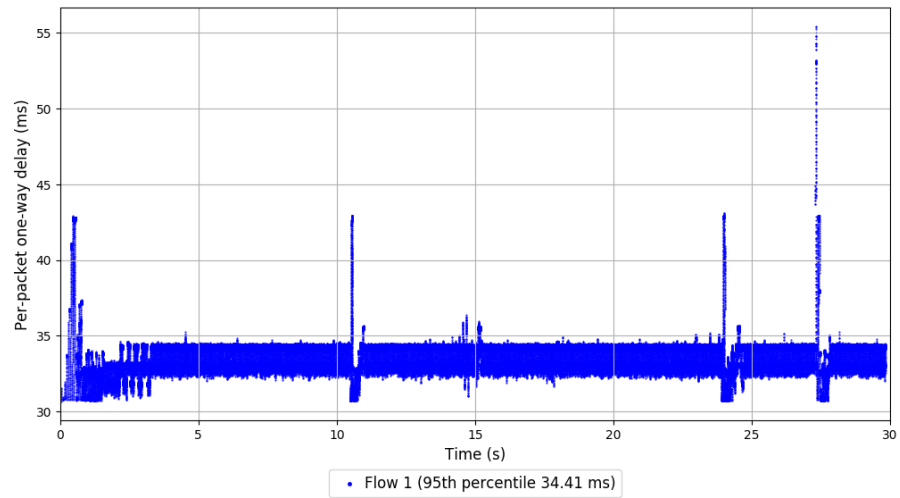
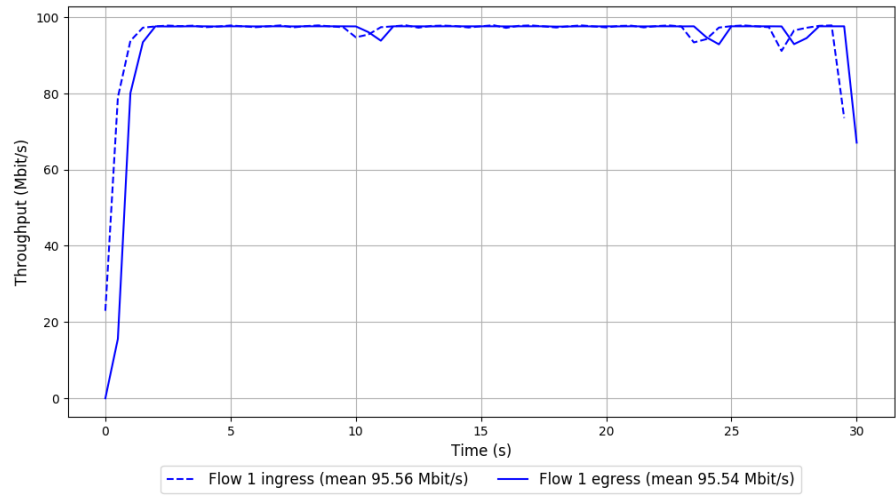
-- Flow 1:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 34.410 ms

Loss rate: 0.23%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-08-01 17:54:11

End at: 2018-08-01 17:54:41

Local clock offset: 0.564 ms

Remote clock offset: 1.377 ms

Below is generated by plot.py at 2018-08-01 20:13:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 34.599 ms

Loss rate: 0.23%

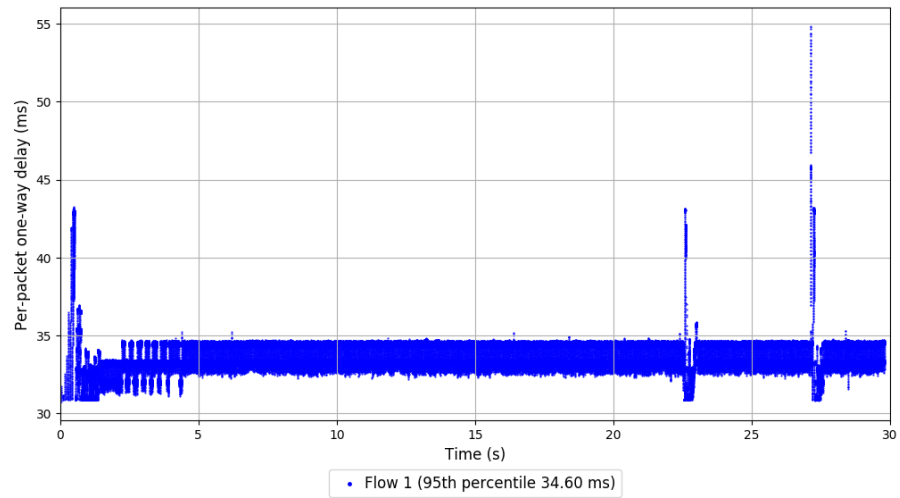
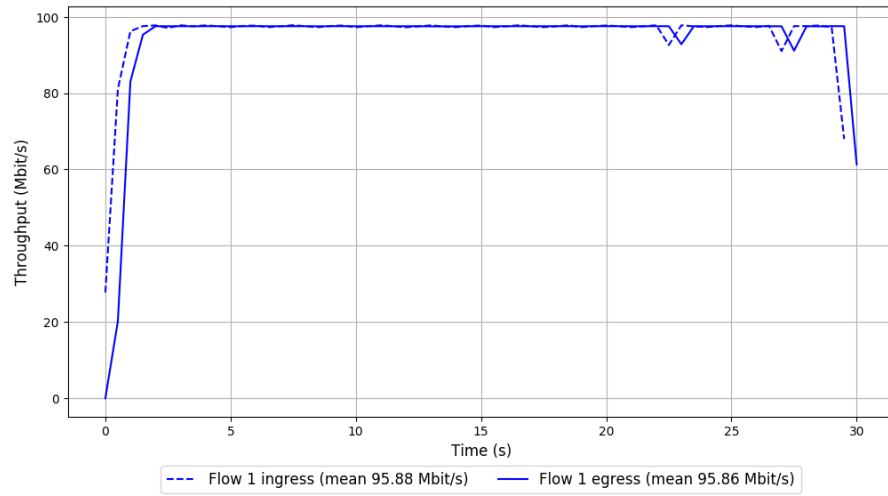
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 34.599 ms

Loss rate: 0.23%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-01 18:16:37

End at: 2018-08-01 18:17:07

Local clock offset: -0.018 ms

Remote clock offset: 1.433 ms

Below is generated by plot.py at 2018-08-01 20:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 35.109 ms

Loss rate: 0.24%

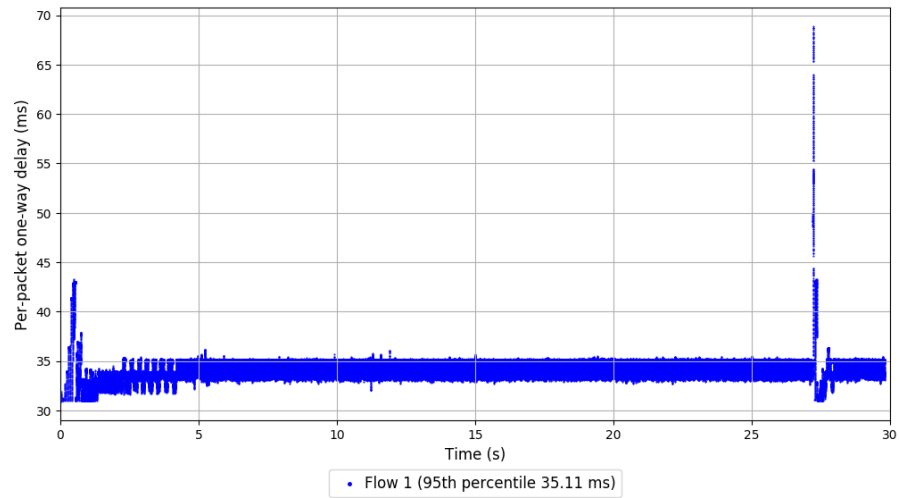
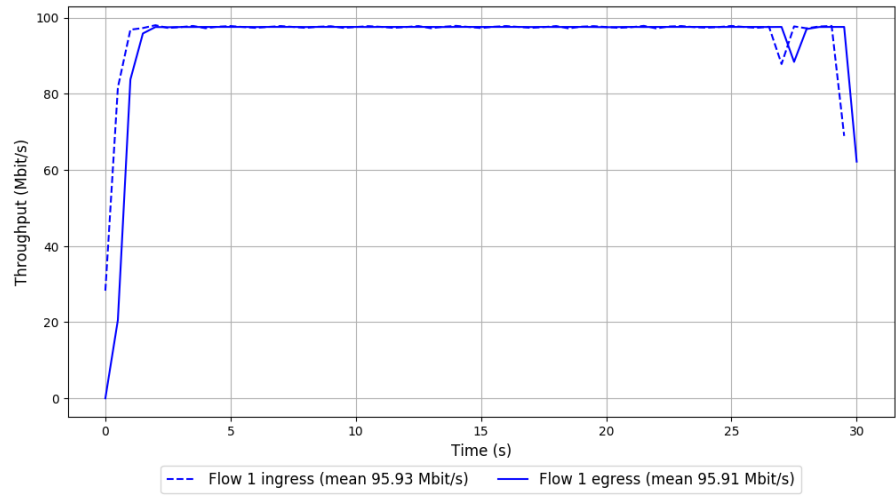
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 35.109 ms

Loss rate: 0.24%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-01 18:38:55

End at: 2018-08-01 18:39:25

Local clock offset: -0.189 ms

Remote clock offset: 1.77 ms

Below is generated by plot.py at 2018-08-01 20:13:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 35.743 ms

Loss rate: 0.23%

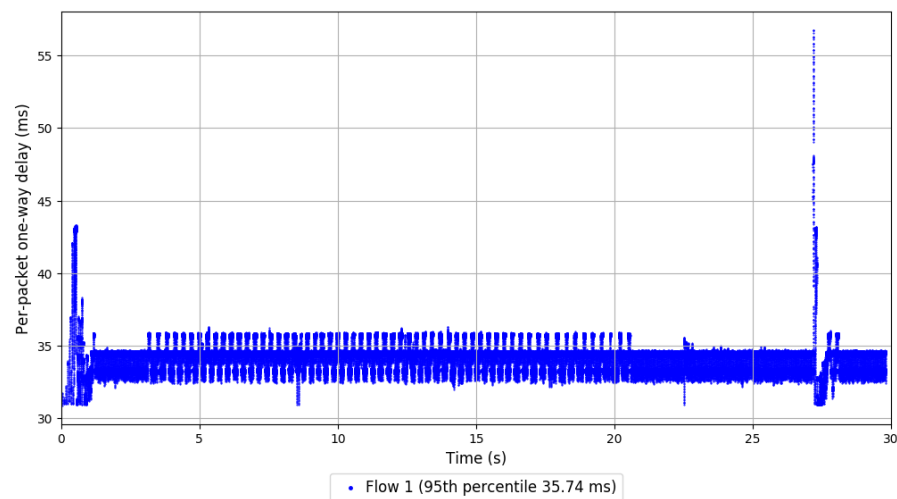
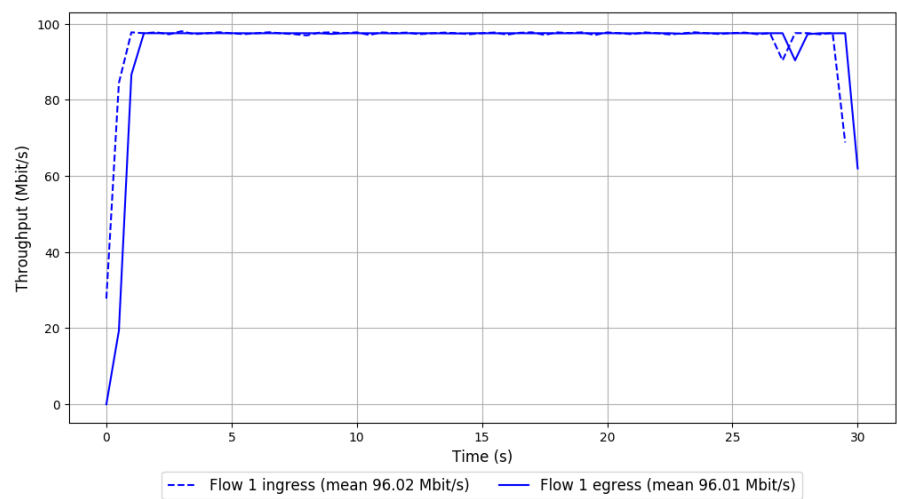
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 35.743 ms

Loss rate: 0.23%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-01 19:01:11

End at: 2018-08-01 19:01:41

Local clock offset: -0.095 ms

Remote clock offset: 2.204 ms

Below is generated by plot.py at 2018-08-01 20:13:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 33.814 ms

Loss rate: 0.24%

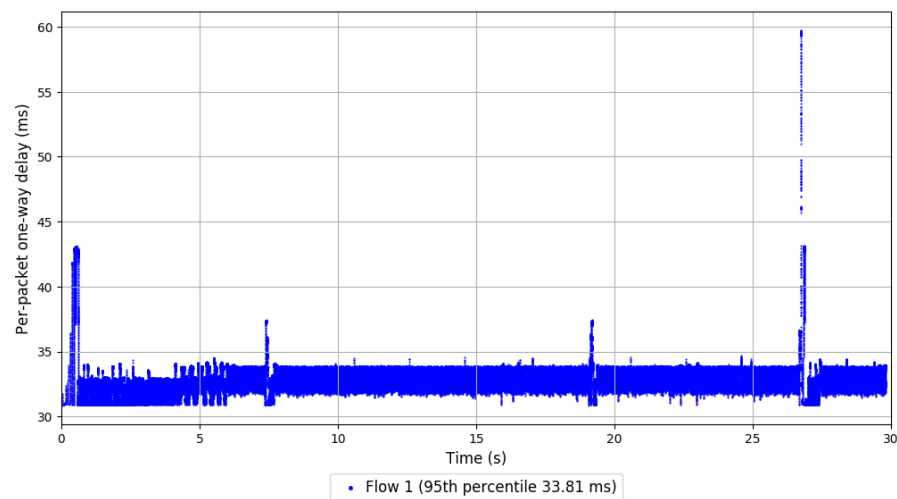
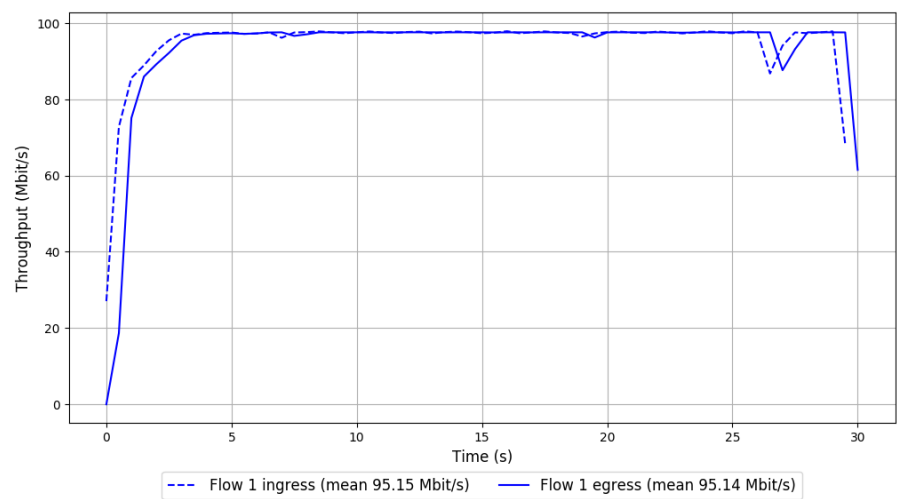
-- Flow 1:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 33.814 ms

Loss rate: 0.24%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-01 19:23:29

End at: 2018-08-01 19:23:59

Local clock offset: 0.05 ms

Remote clock offset: 2.255 ms

Below is generated by plot.py at 2018-08-01 20:14:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 33.730 ms

Loss rate: 0.24%

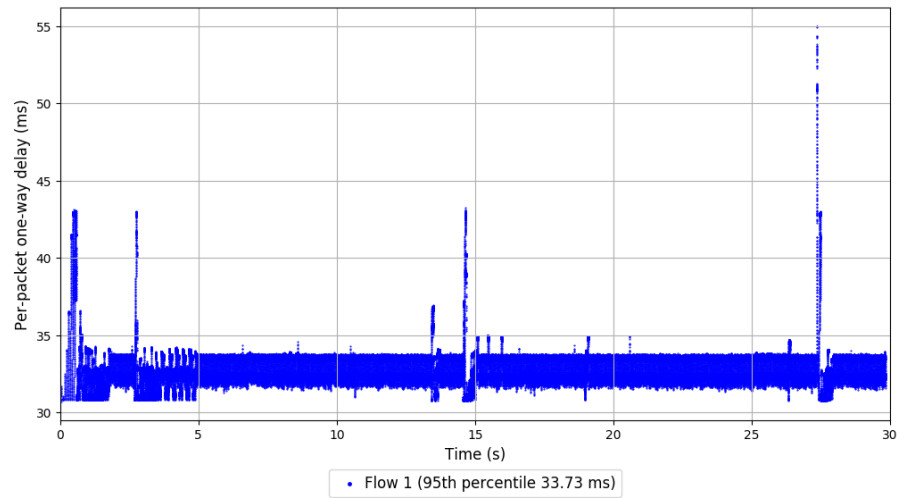
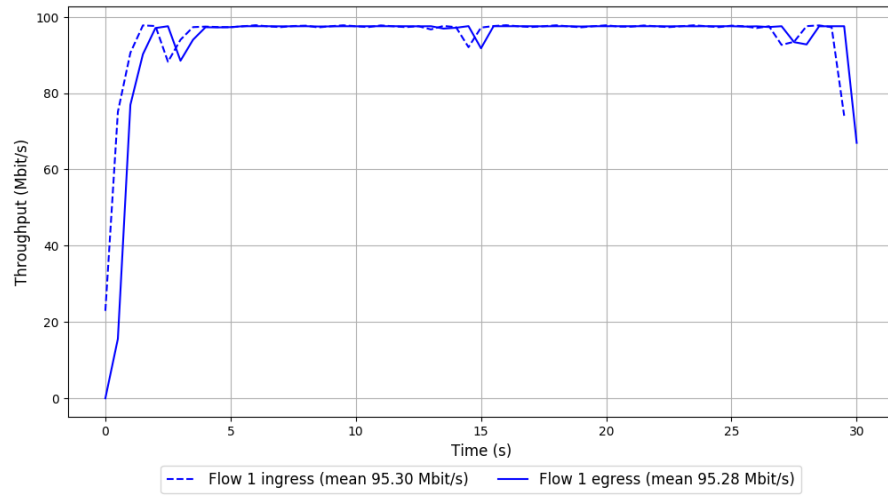
-- Flow 1:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 33.730 ms

Loss rate: 0.24%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 19:45:47

End at: 2018-08-01 19:46:17

Local clock offset: 0.549 ms

Remote clock offset: 2.208 ms

Below is generated by plot.py at 2018-08-01 20:14:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 33.781 ms

Loss rate: 0.24%

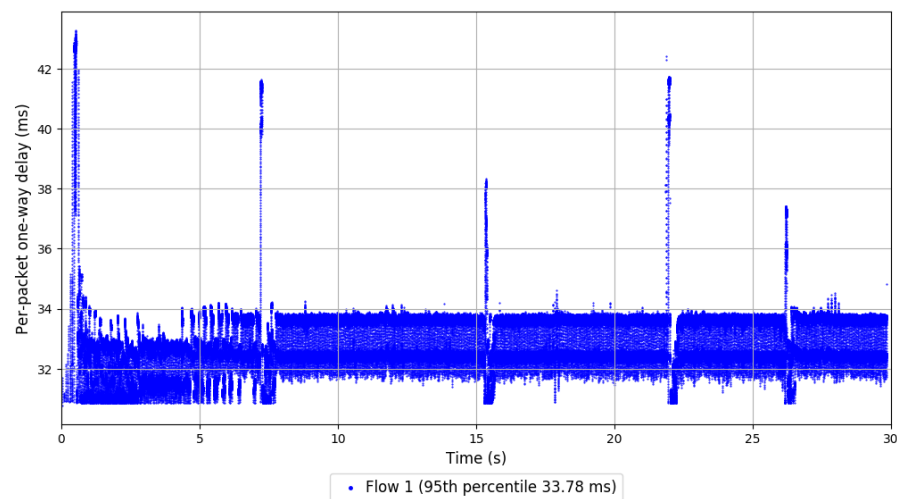
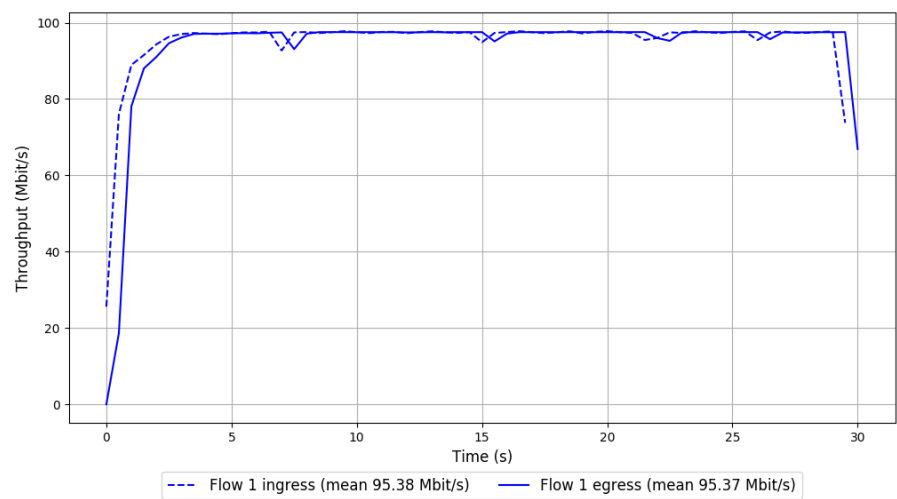
-- Flow 1:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 33.781 ms

Loss rate: 0.24%

Run 10: Report of Indigo — Data Link

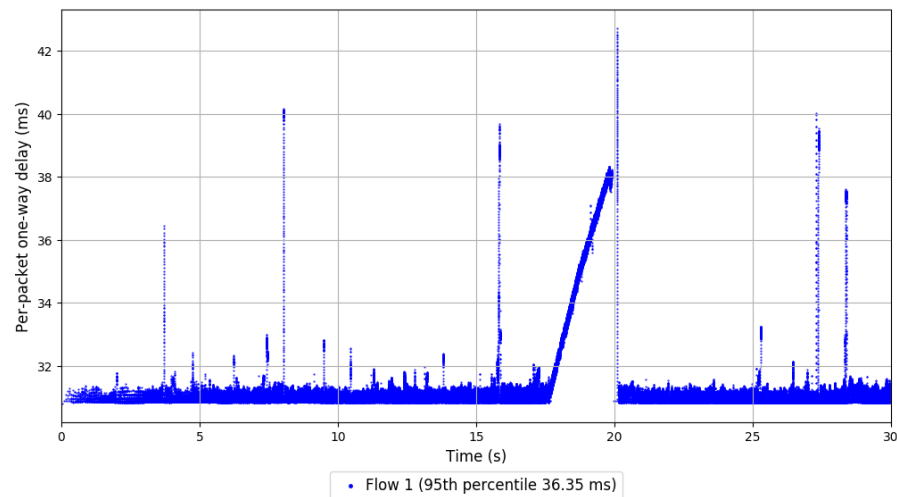
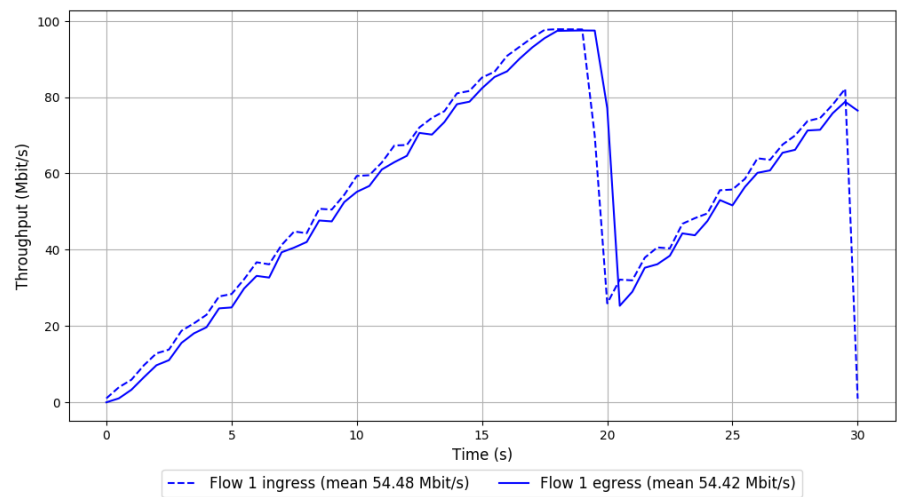


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 16:18:06
End at: 2018-08-01 16:18:36
Local clock offset: 0.379 ms
Remote clock offset: 1.642 ms

# Below is generated by plot.py at 2018-08-01 20:14:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 36.348 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 36.348 ms
Loss rate: 0.33%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-01 16:40:21

End at: 2018-08-01 16:40:51

Local clock offset: 0.201 ms

Remote clock offset: 1.571 ms

Below is generated by plot.py at 2018-08-01 20:14:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 35.961 ms

Loss rate: 0.37%

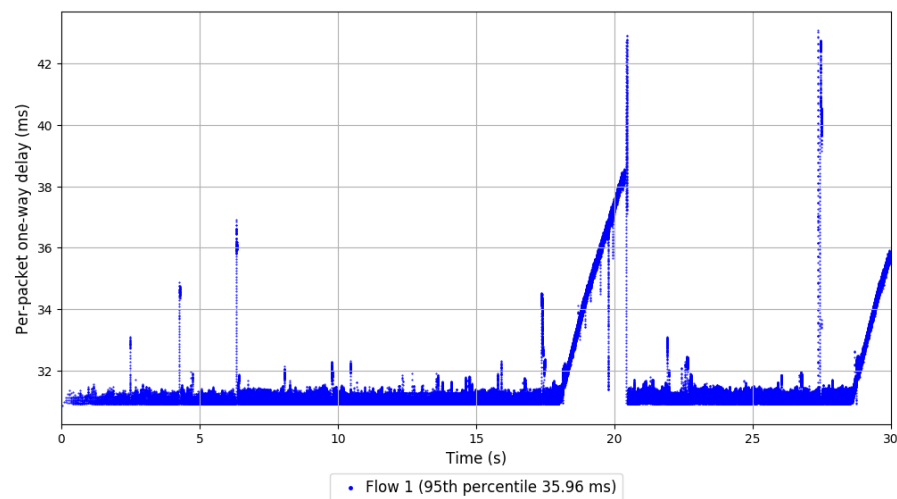
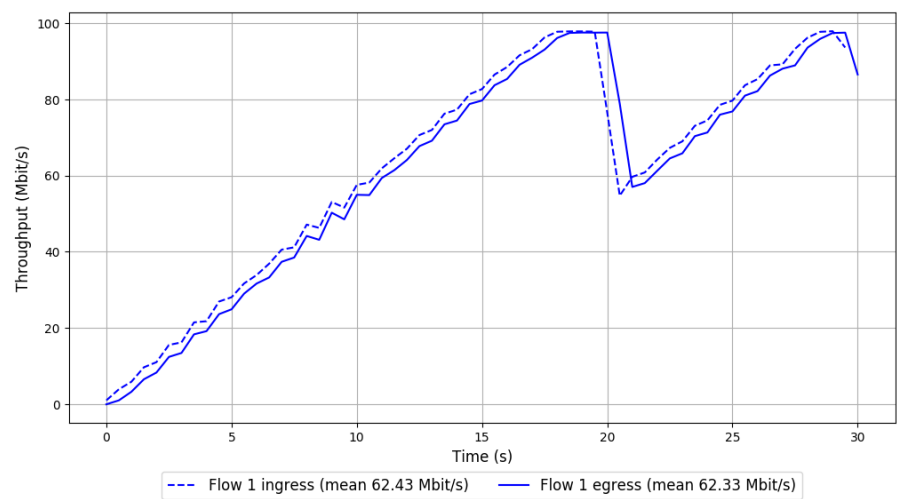
-- Flow 1:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 35.961 ms

Loss rate: 0.37%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-01 17:02:40

End at: 2018-08-01 17:03:10

Local clock offset: 0.267 ms

Remote clock offset: 2.197 ms

Below is generated by plot.py at 2018-08-01 20:14:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 35.829 ms

Loss rate: 0.37%

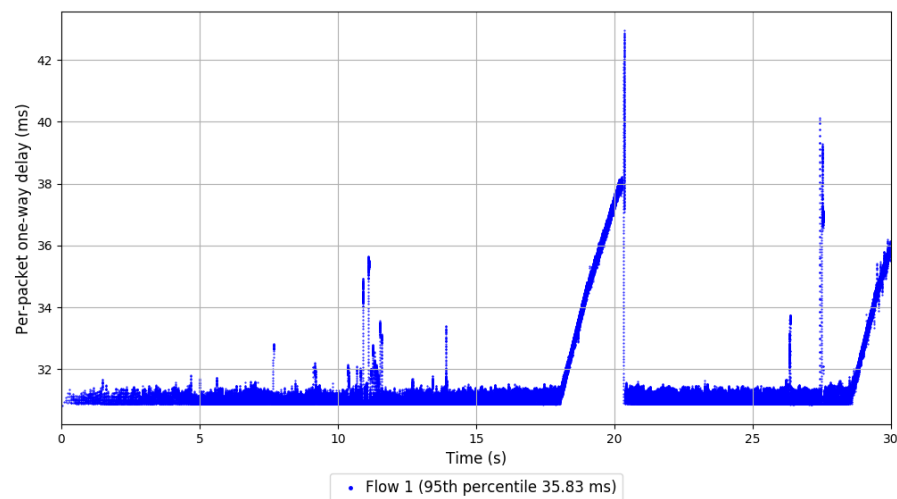
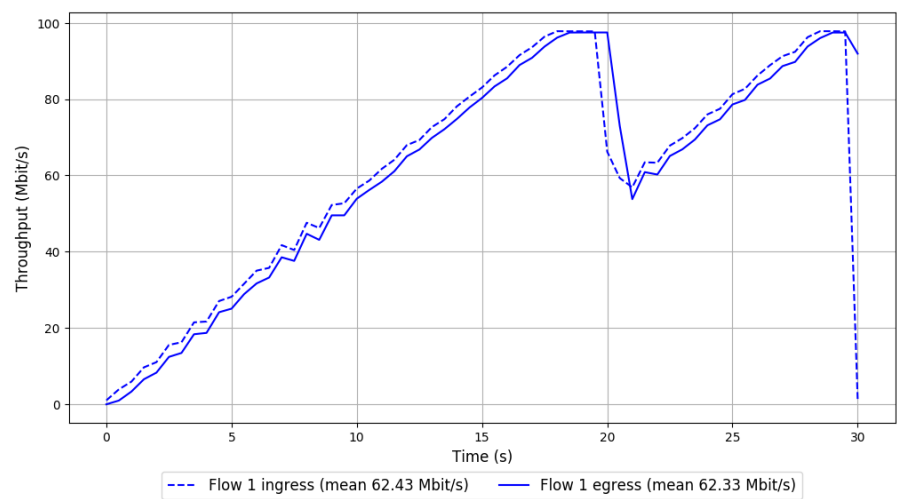
-- Flow 1:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 35.829 ms

Loss rate: 0.37%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-01 17:25:16

End at: 2018-08-01 17:25:46

Local clock offset: 0.24 ms

Remote clock offset: 1.844 ms

Below is generated by plot.py at 2018-08-01 20:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.08 Mbit/s

95th percentile per-packet one-way delay: 36.649 ms

Loss rate: 0.37%

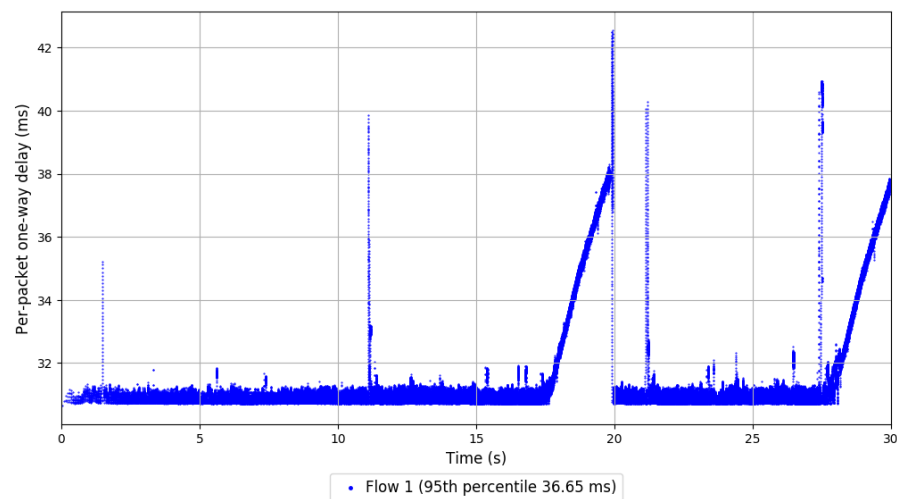
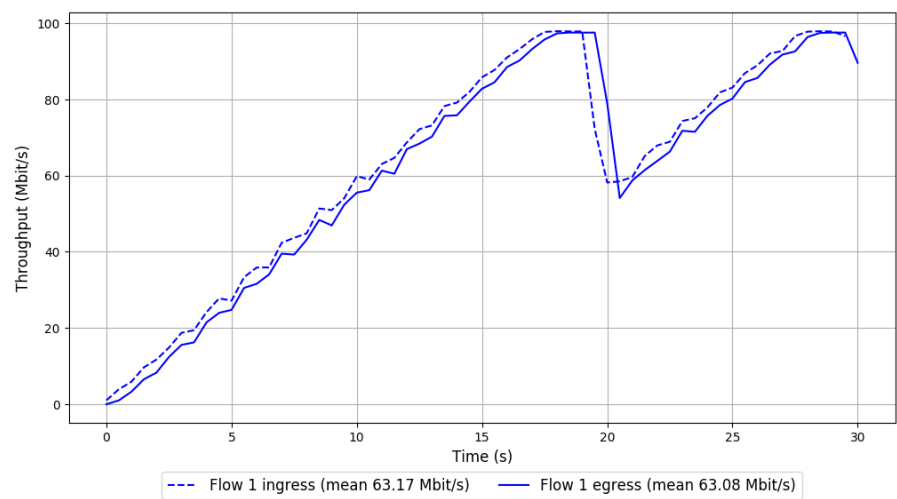
-- Flow 1:

Average throughput: 63.08 Mbit/s

95th percentile per-packet one-way delay: 36.649 ms

Loss rate: 0.37%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-01 17:47:34

End at: 2018-08-01 17:48:04

Local clock offset: 0.495 ms

Remote clock offset: 1.539 ms

Below is generated by plot.py at 2018-08-01 20:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.34 Mbit/s

95th percentile per-packet one-way delay: 35.773 ms

Loss rate: 0.37%

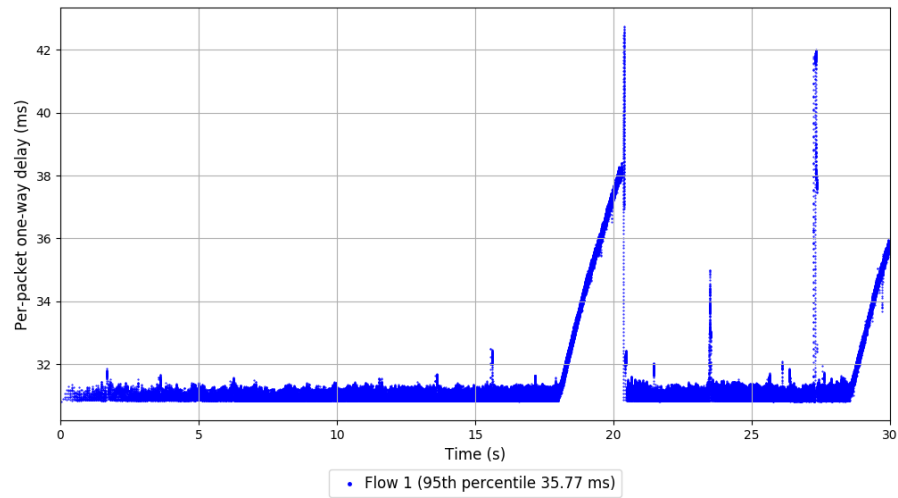
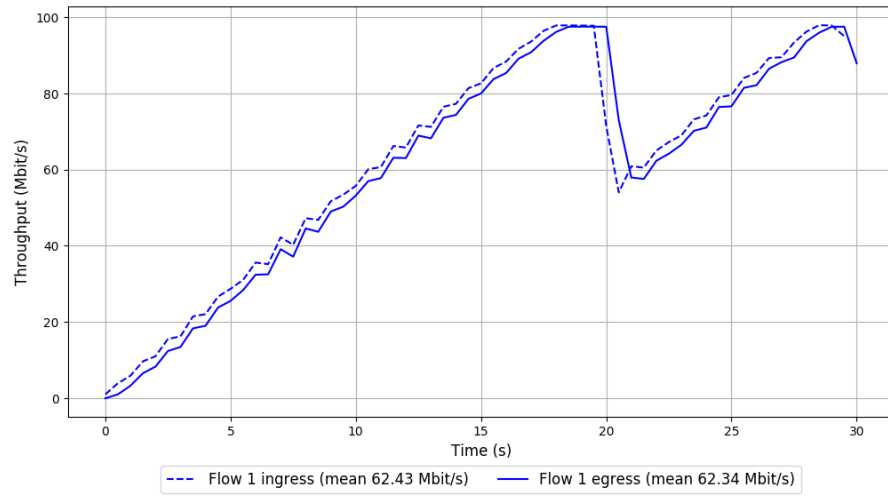
-- Flow 1:

Average throughput: 62.34 Mbit/s

95th percentile per-packet one-way delay: 35.773 ms

Loss rate: 0.37%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-01 18:10:01

End at: 2018-08-01 18:10:31

Local clock offset: 0.19 ms

Remote clock offset: 1.173 ms

Below is generated by plot.py at 2018-08-01 20:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.51 Mbit/s

95th percentile per-packet one-way delay: 36.558 ms

Loss rate: 0.29%

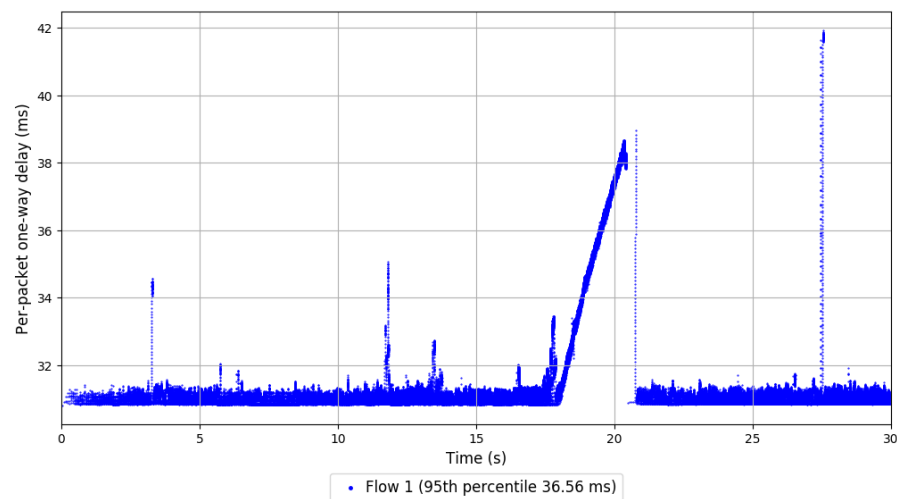
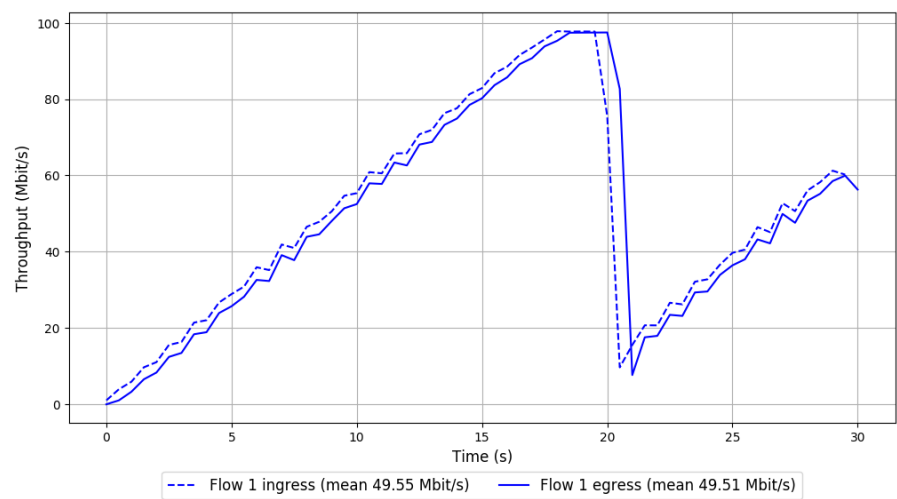
-- Flow 1:

Average throughput: 49.51 Mbit/s

95th percentile per-packet one-way delay: 36.558 ms

Loss rate: 0.29%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-01 18:32:18

End at: 2018-08-01 18:32:48

Local clock offset: -0.139 ms

Remote clock offset: 1.78 ms

Below is generated by plot.py at 2018-08-01 20:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.31 Mbit/s

95th percentile per-packet one-way delay: 36.043 ms

Loss rate: 0.37%

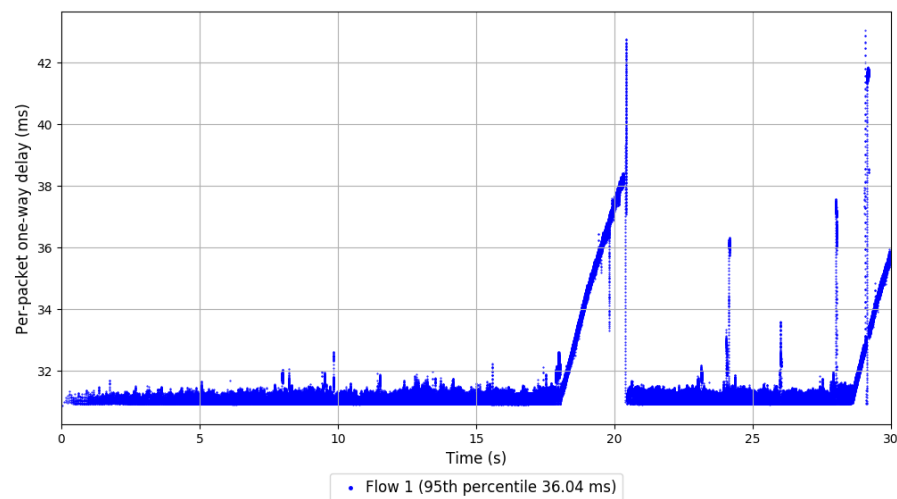
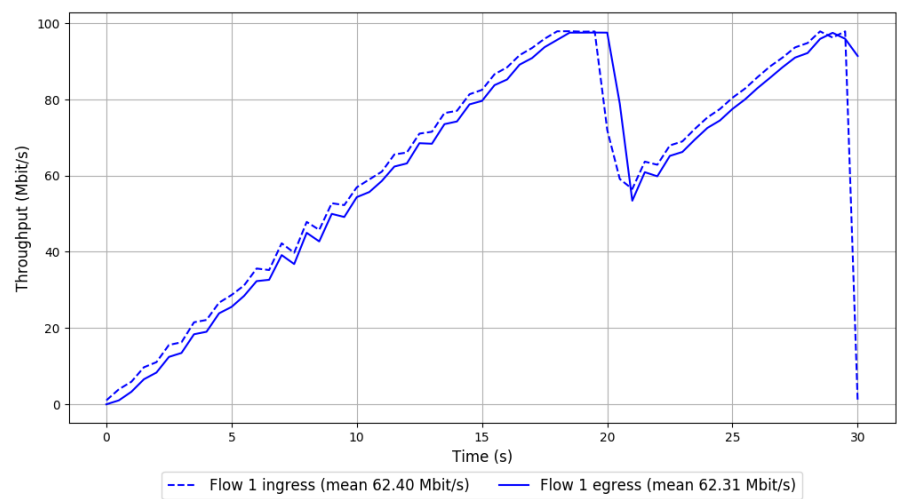
-- Flow 1:

Average throughput: 62.31 Mbit/s

95th percentile per-packet one-way delay: 36.043 ms

Loss rate: 0.37%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-01 18:54:34

End at: 2018-08-01 18:55:04

Local clock offset: -0.361 ms

Remote clock offset: 2.102 ms

Below is generated by plot.py at 2018-08-01 20:14:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 35.789 ms

Loss rate: 0.37%

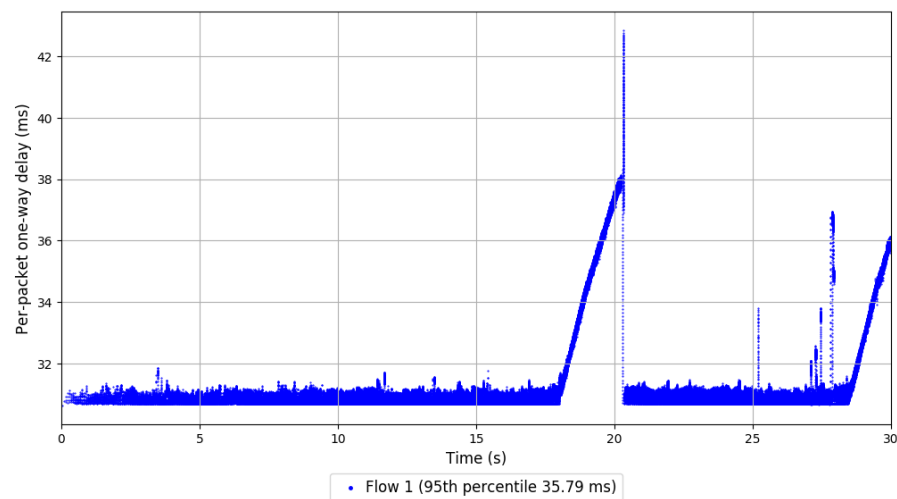
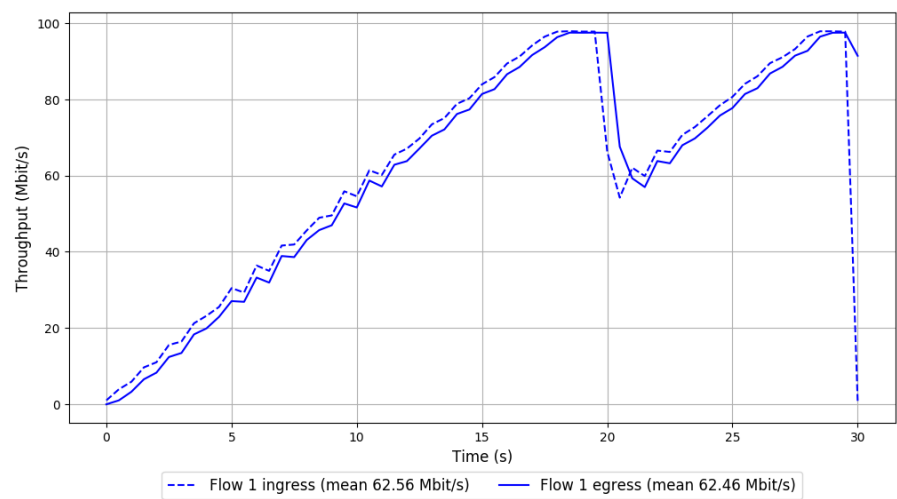
-- Flow 1:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 35.789 ms

Loss rate: 0.37%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-01 19:16:51

End at: 2018-08-01 19:17:21

Local clock offset: -0.022 ms

Remote clock offset: 2.368 ms

Below is generated by plot.py at 2018-08-01 20:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.22 Mbit/s

95th percentile per-packet one-way delay: 36.772 ms

Loss rate: 0.37%

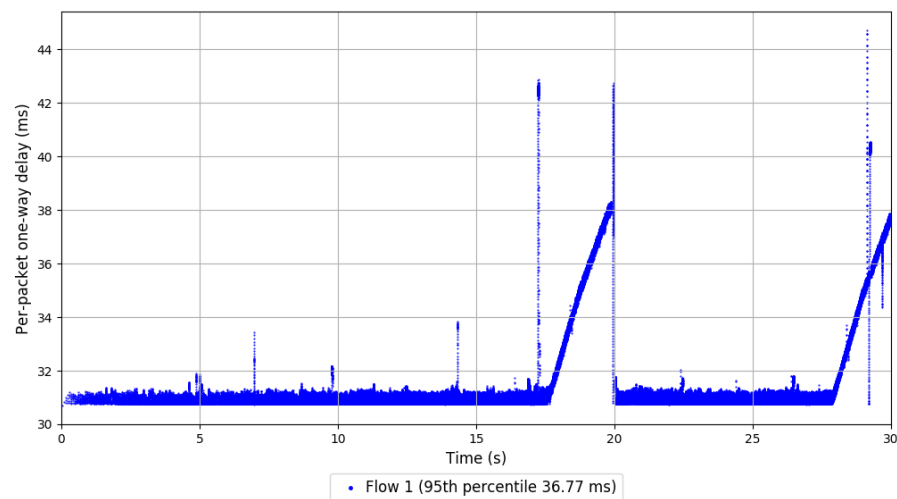
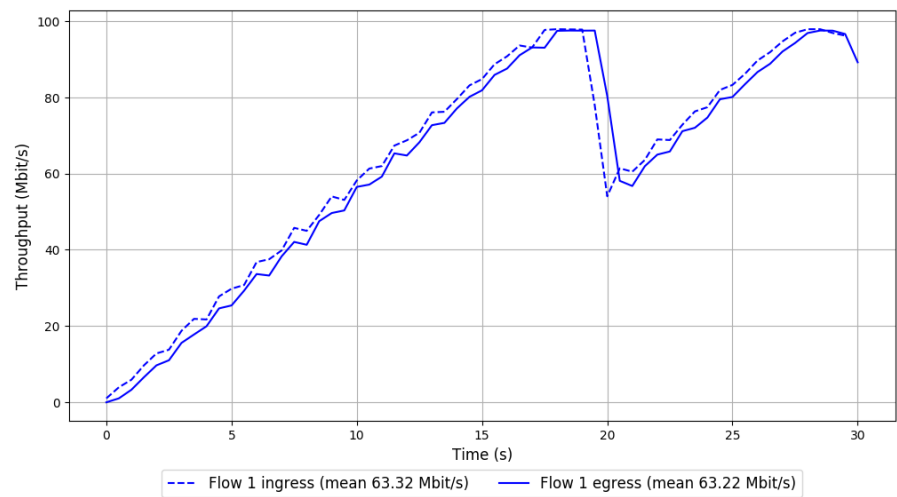
-- Flow 1:

Average throughput: 63.22 Mbit/s

95th percentile per-packet one-way delay: 36.772 ms

Loss rate: 0.37%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-01 19:39:09

End at: 2018-08-01 19:39:39

Local clock offset: 0.416 ms

Remote clock offset: 2.181 ms

Below is generated by plot.py at 2018-08-01 20:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 35.933 ms

Loss rate: 0.37%

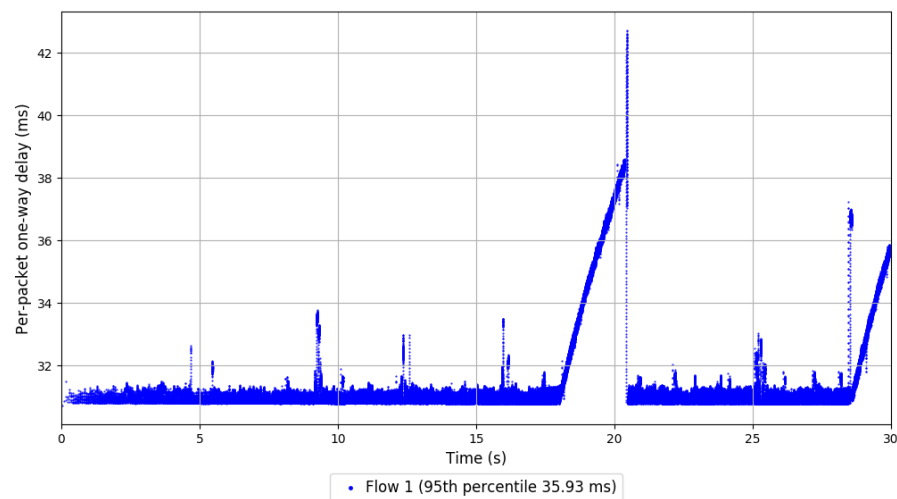
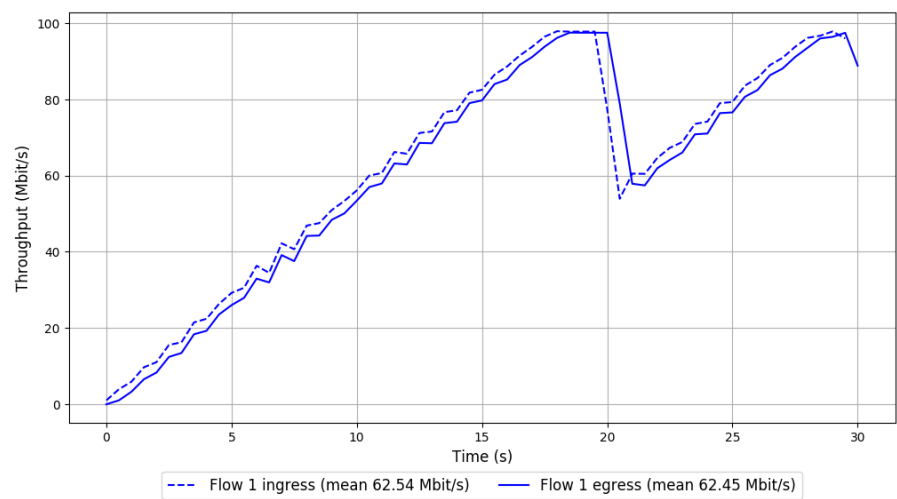
-- Flow 1:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 35.933 ms

Loss rate: 0.37%

Run 10: Report of LEDBAT — Data Link

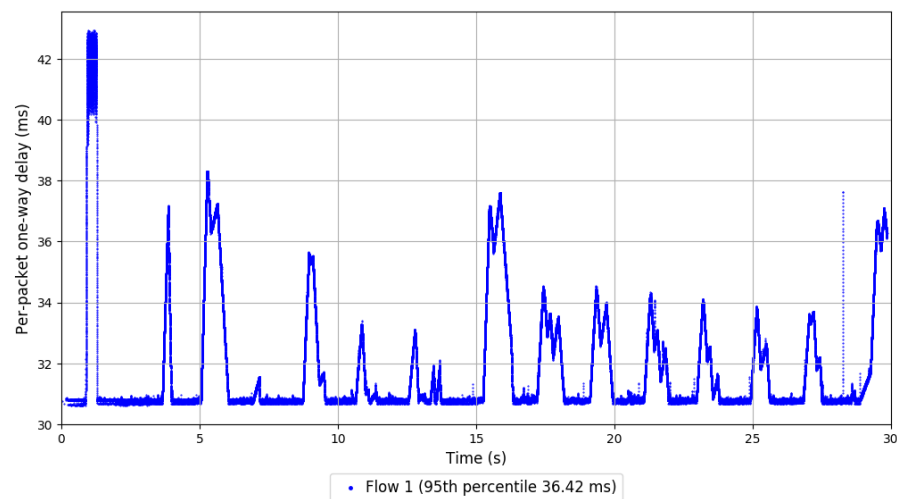
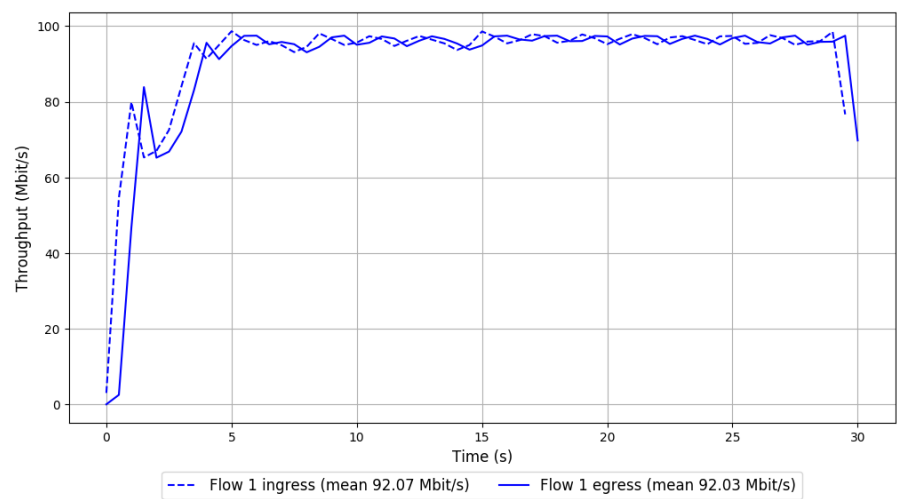


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 16:37:48
End at: 2018-08-01 16:38:18
Local clock offset: 0.111 ms
Remote clock offset: 1.586 ms

# Below is generated by plot.py at 2018-08-01 20:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 36.419 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 36.419 ms
Loss rate: 0.26%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 17:00:07

End at: 2018-08-01 17:00:37

Local clock offset: 0.243 ms

Remote clock offset: 2.161 ms

Below is generated by plot.py at 2018-08-01 20:15:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 36.370 ms

Loss rate: 0.23%

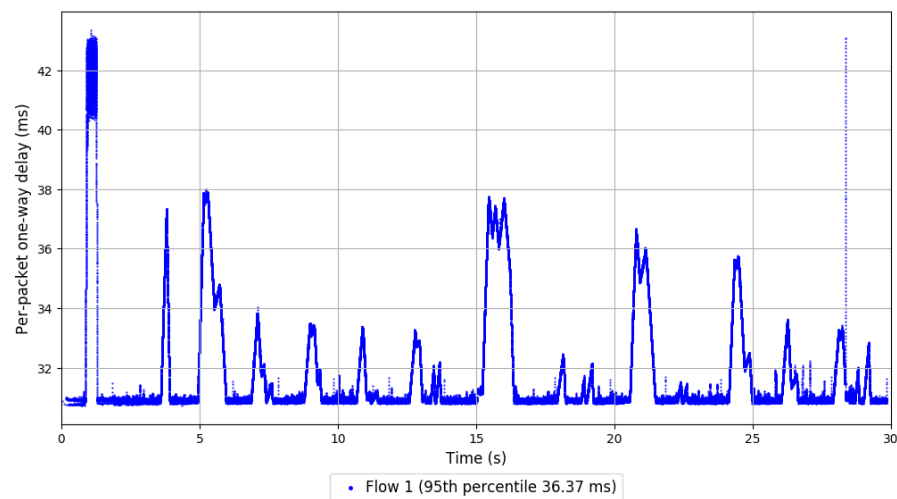
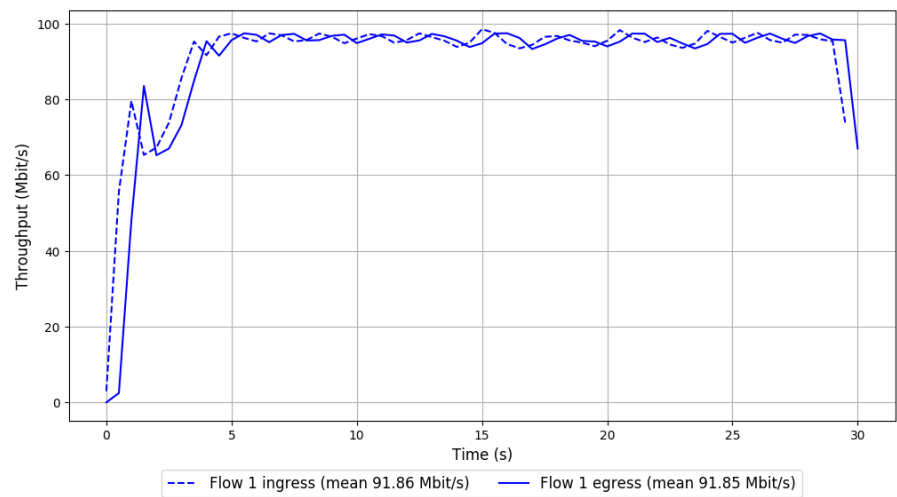
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 36.370 ms

Loss rate: 0.23%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 17:22:43

End at: 2018-08-01 17:23:13

Local clock offset: 0.378 ms

Remote clock offset: 1.866 ms

Below is generated by plot.py at 2018-08-01 20:15:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 37.506 ms

Loss rate: 0.23%

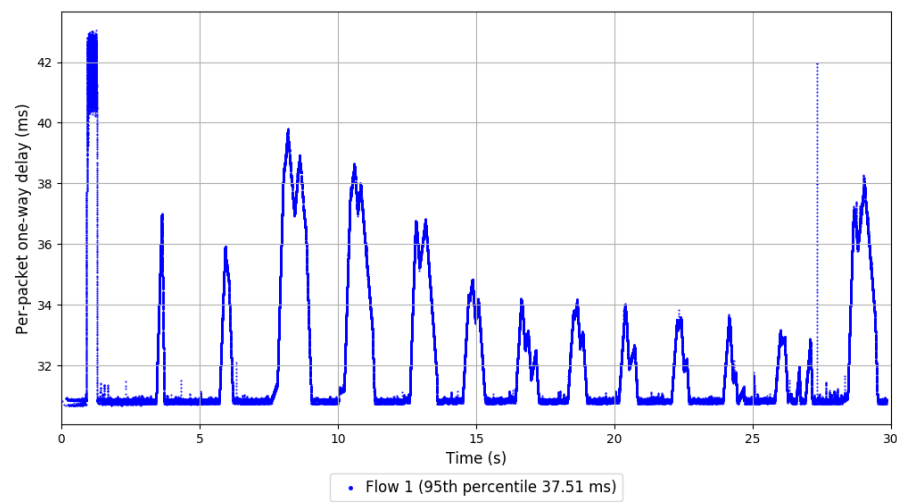
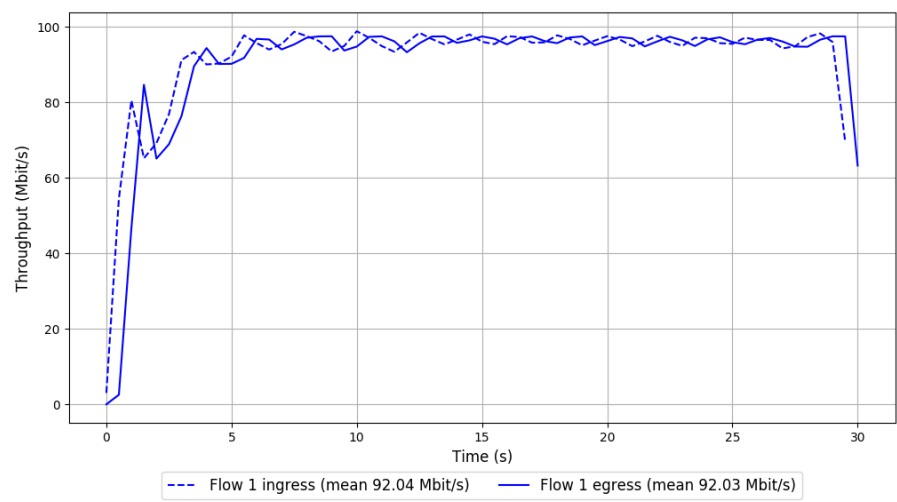
-- Flow 1:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 37.506 ms

Loss rate: 0.23%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 17:45:01

End at: 2018-08-01 17:45:31

Local clock offset: 0.435 ms

Remote clock offset: 1.544 ms

Below is generated by plot.py at 2018-08-01 20:15:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 40.154 ms

Loss rate: 0.25%

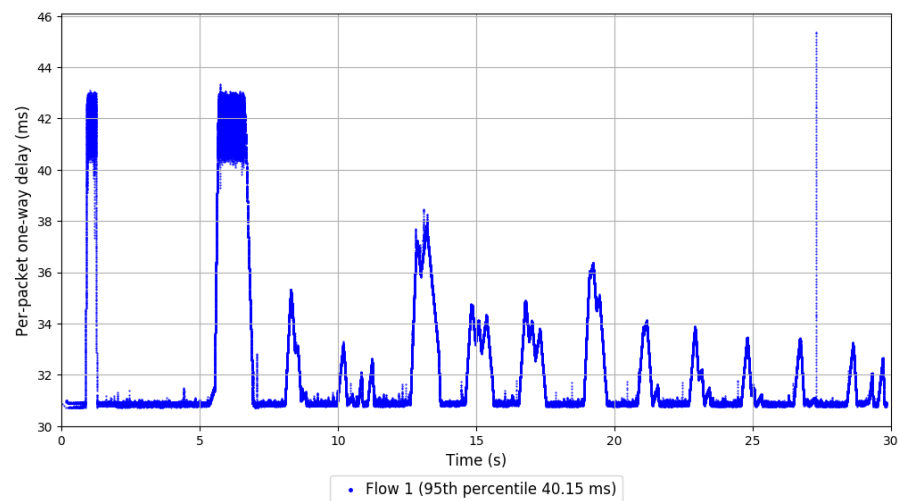
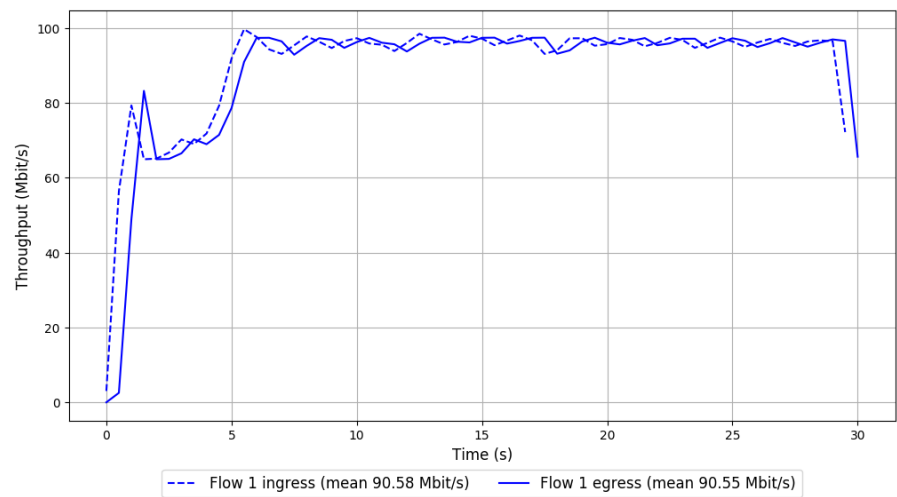
-- Flow 1:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 40.154 ms

Loss rate: 0.25%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 18:07:28

End at: 2018-08-01 18:07:58

Local clock offset: 0.262 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2018-08-01 20:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 34.660 ms

Loss rate: 0.25%

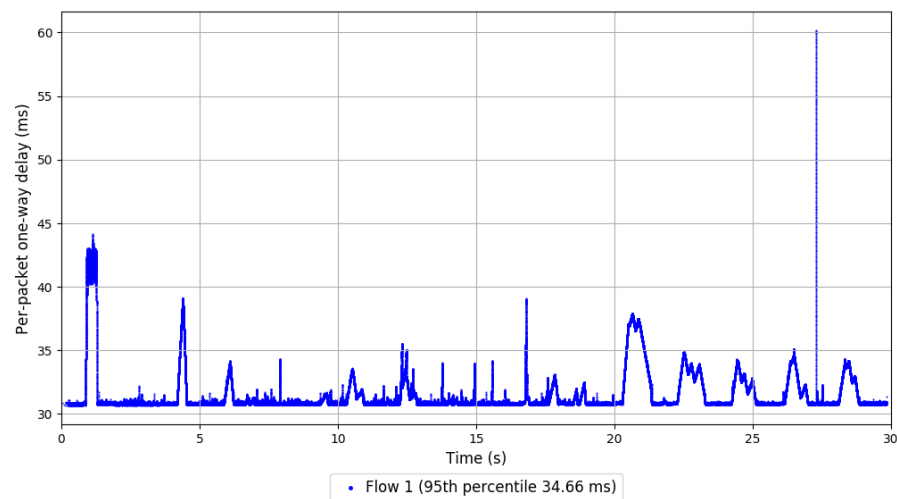
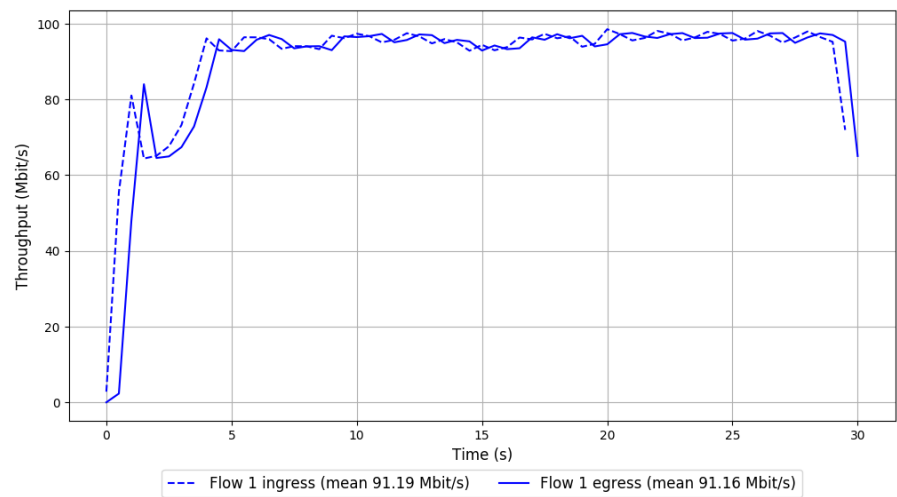
-- Flow 1:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 34.660 ms

Loss rate: 0.25%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 18:29:45

End at: 2018-08-01 18:30:15

Local clock offset: -0.122 ms

Remote clock offset: 1.755 ms

Below is generated by plot.py at 2018-08-01 20:15:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.32 Mbit/s

95th percentile per-packet one-way delay: 36.344 ms

Loss rate: 0.23%

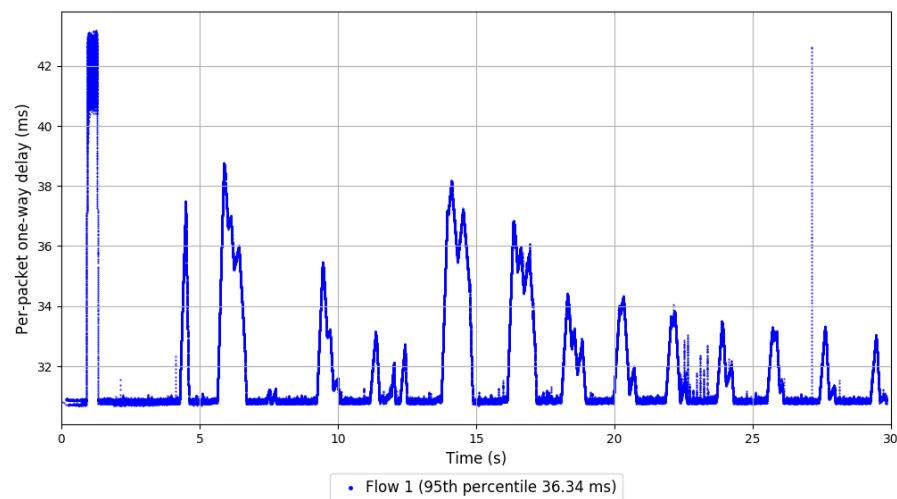
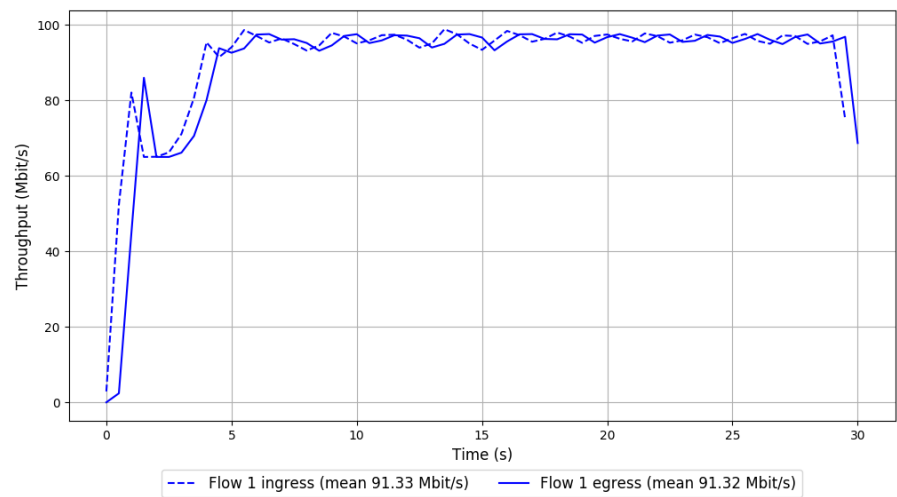
-- Flow 1:

Average throughput: 91.32 Mbit/s

95th percentile per-packet one-way delay: 36.344 ms

Loss rate: 0.23%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 18:52:01

End at: 2018-08-01 18:52:31

Local clock offset: -0.351 ms

Remote clock offset: 2.041 ms

Below is generated by plot.py at 2018-08-01 20:16:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 35.973 ms

Loss rate: 0.23%

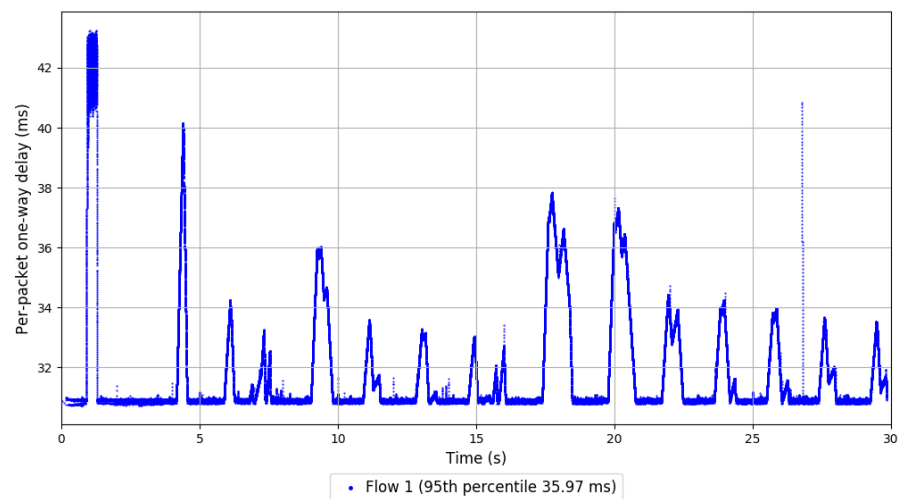
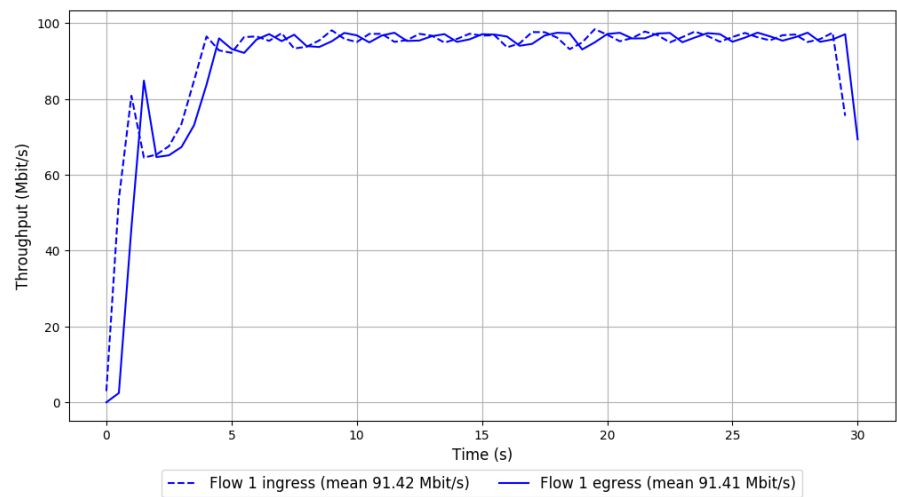
-- Flow 1:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 35.973 ms

Loss rate: 0.23%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 19:14:18

End at: 2018-08-01 19:14:48

Local clock offset: -0.061 ms

Remote clock offset: 2.349 ms

Below is generated by plot.py at 2018-08-01 20:16:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 36.186 ms

Loss rate: 0.24%

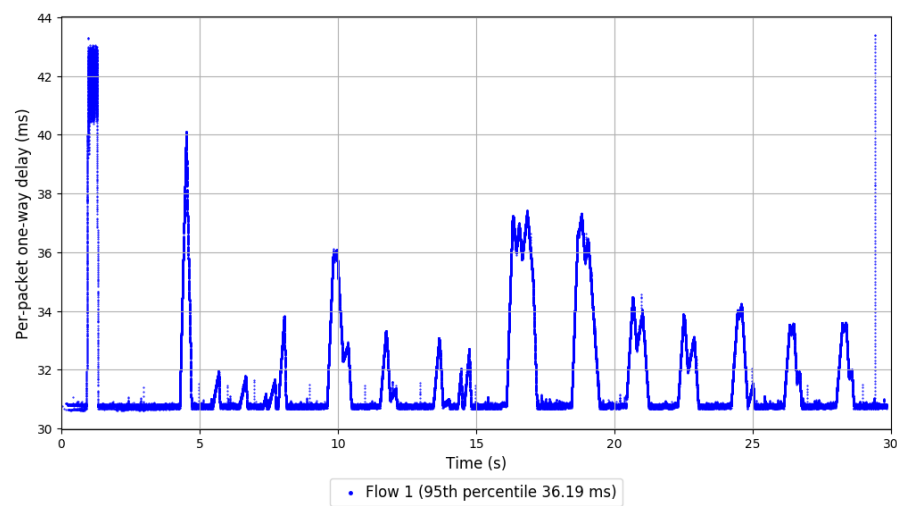
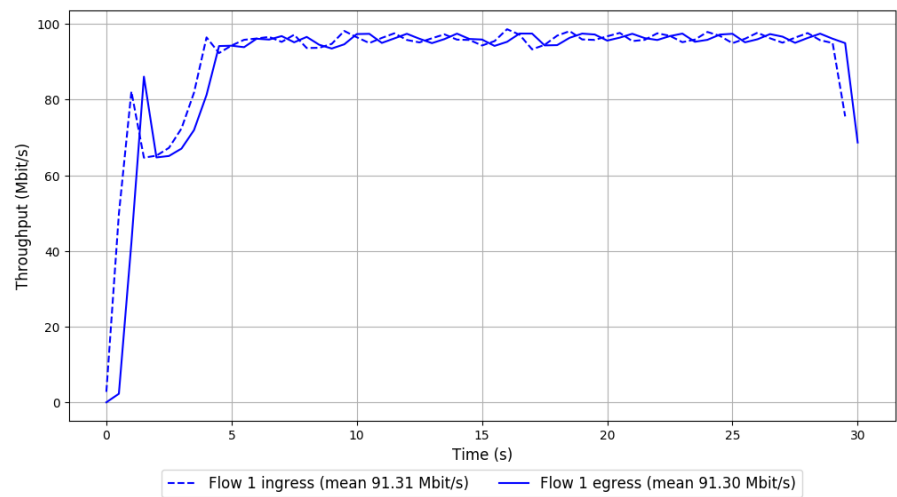
-- Flow 1:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 36.186 ms

Loss rate: 0.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 19:36:37

End at: 2018-08-01 19:37:07

Local clock offset: 0.289 ms

Remote clock offset: 2.188 ms

Below is generated by plot.py at 2018-08-01 20:16:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 34.866 ms

Loss rate: 0.23%

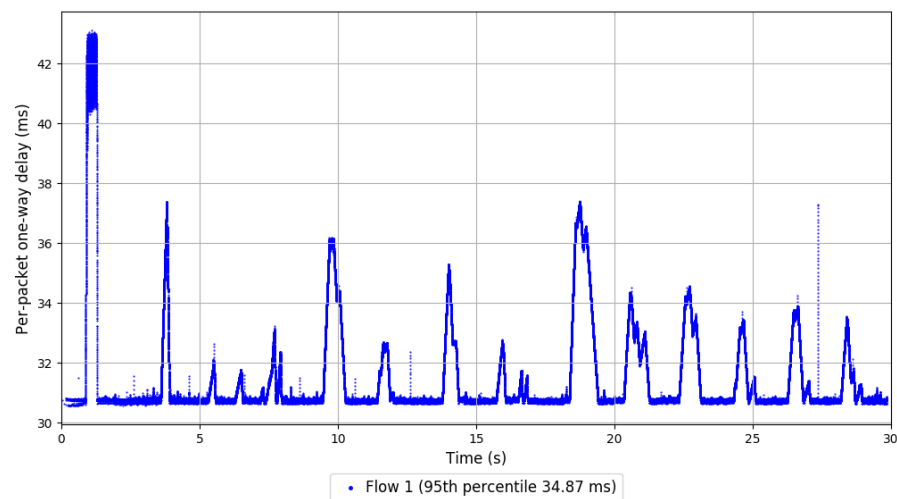
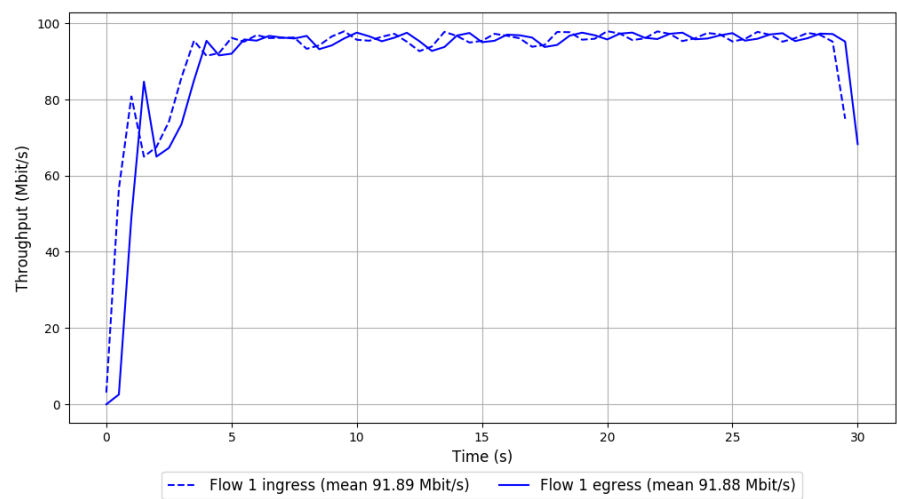
-- Flow 1:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 34.866 ms

Loss rate: 0.23%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 19:58:56

End at: 2018-08-01 19:59:26

Local clock offset: 0.507 ms

Remote clock offset: 2.214 ms

Below is generated by plot.py at 2018-08-01 20:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 36.649 ms

Loss rate: 0.24%

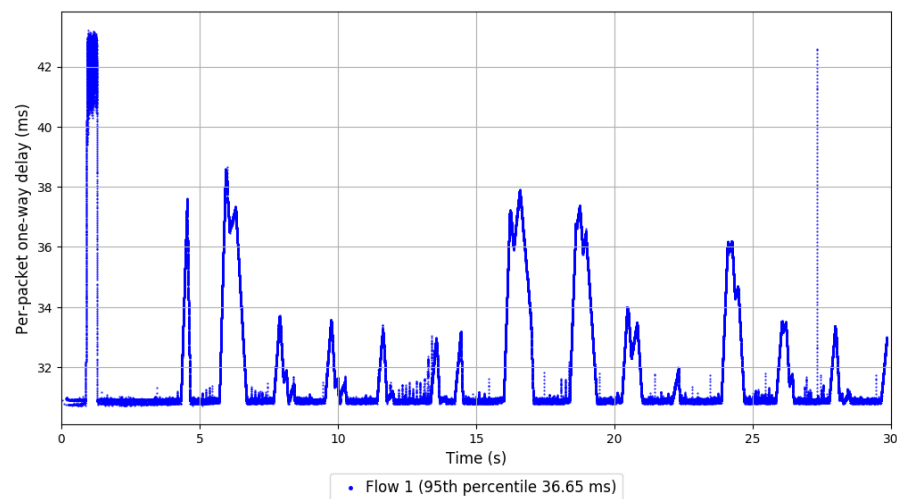
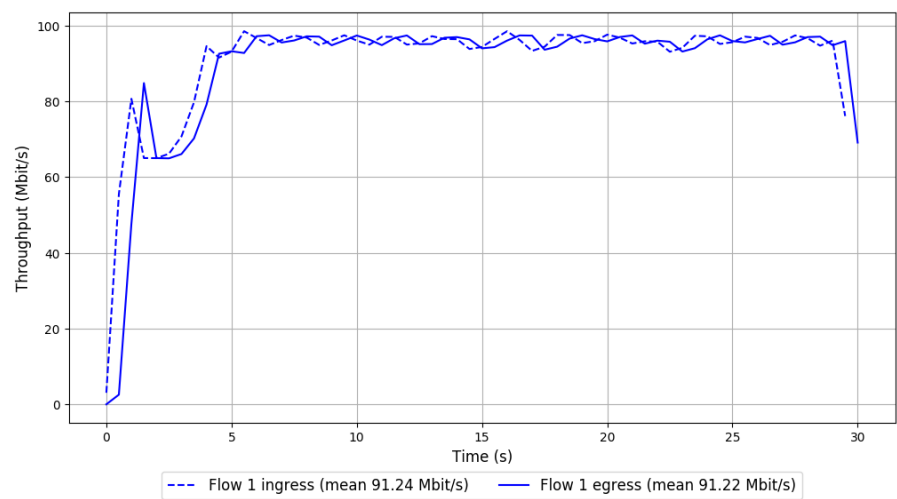
-- Flow 1:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 36.649 ms

Loss rate: 0.24%

Run 10: Report of PCC-Allegro — Data Link

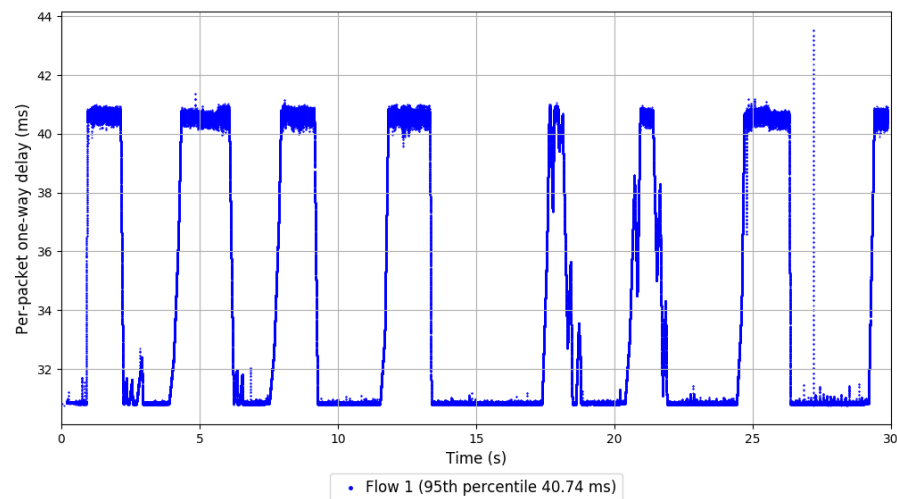
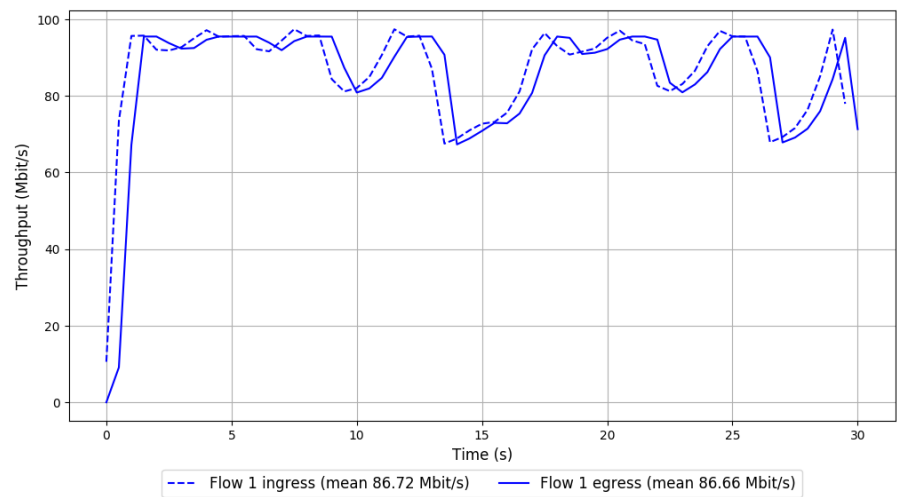


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 16:20:42
End at: 2018-08-01 16:21:12
Local clock offset: 0.384 ms
Remote clock offset: 1.623 ms

# Below is generated by plot.py at 2018-08-01 20:17:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 40.739 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 40.739 ms
Loss rate: 0.31%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 16:42:58

End at: 2018-08-01 16:43:28

Local clock offset: 0.082 ms

Remote clock offset: 1.69 ms

Below is generated by plot.py at 2018-08-01 20:17:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.57 Mbit/s

95th percentile per-packet one-way delay: 40.667 ms

Loss rate: 0.35%

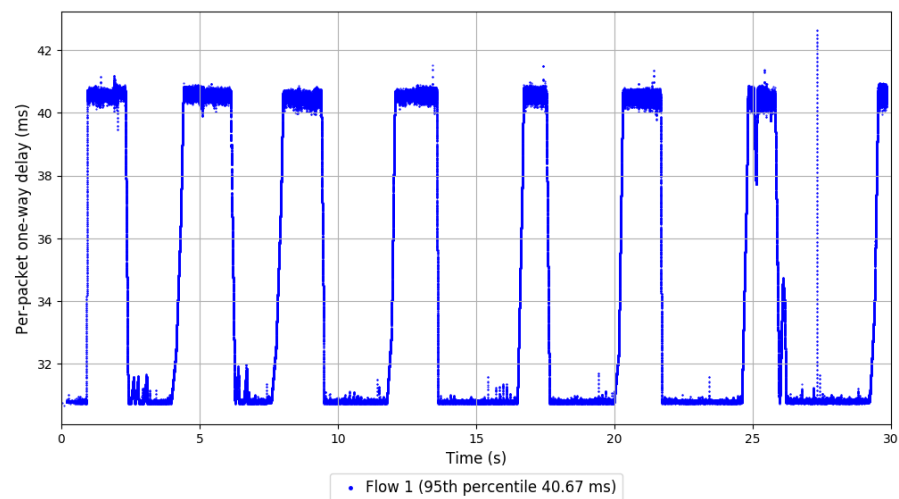
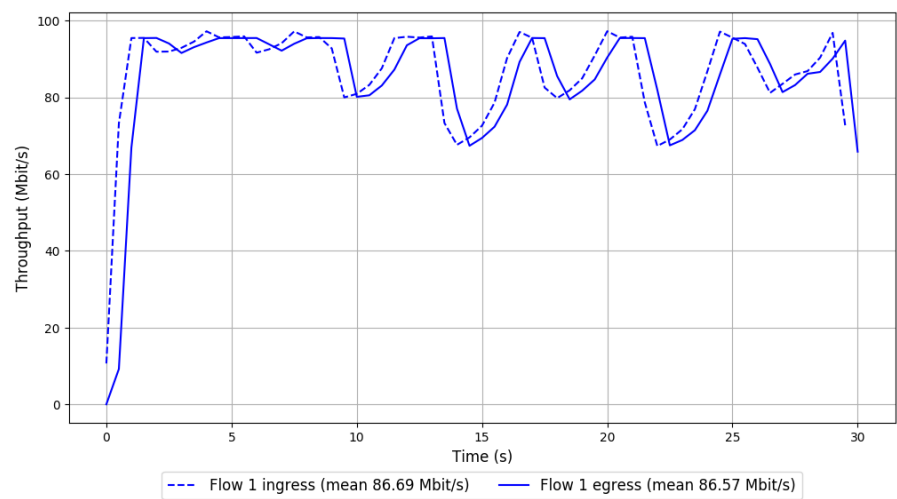
-- Flow 1:

Average throughput: 86.57 Mbit/s

95th percentile per-packet one-way delay: 40.667 ms

Loss rate: 0.35%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 17:05:17

End at: 2018-08-01 17:05:47

Local clock offset: 0.21 ms

Remote clock offset: 2.145 ms

Below is generated by plot.py at 2018-08-01 20:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 40.671 ms

Loss rate: 0.27%

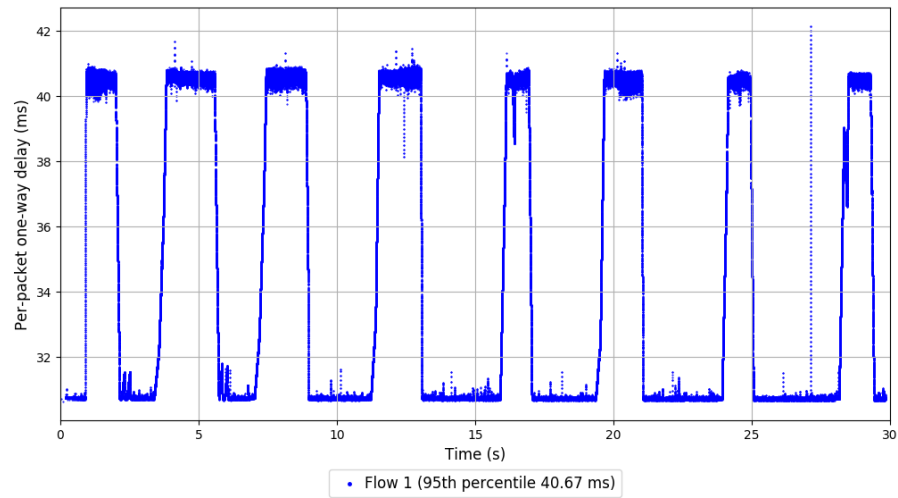
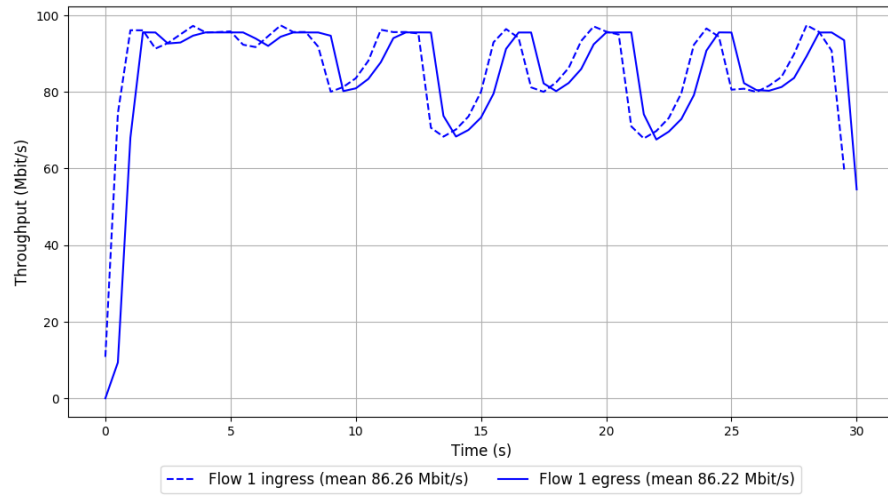
-- Flow 1:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 40.671 ms

Loss rate: 0.27%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 17:27:53

End at: 2018-08-01 17:28:23

Local clock offset: 0.219 ms

Remote clock offset: 1.785 ms

Below is generated by plot.py at 2018-08-01 20:17:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 40.622 ms

Loss rate: 0.29%

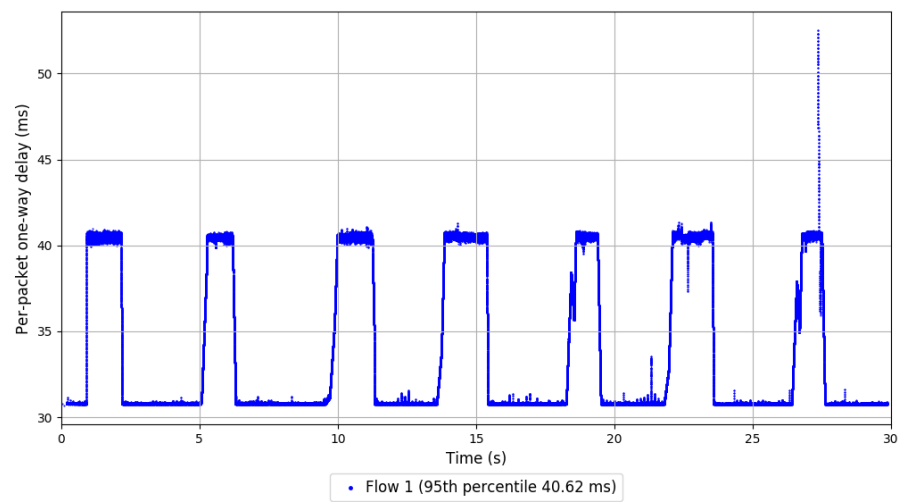
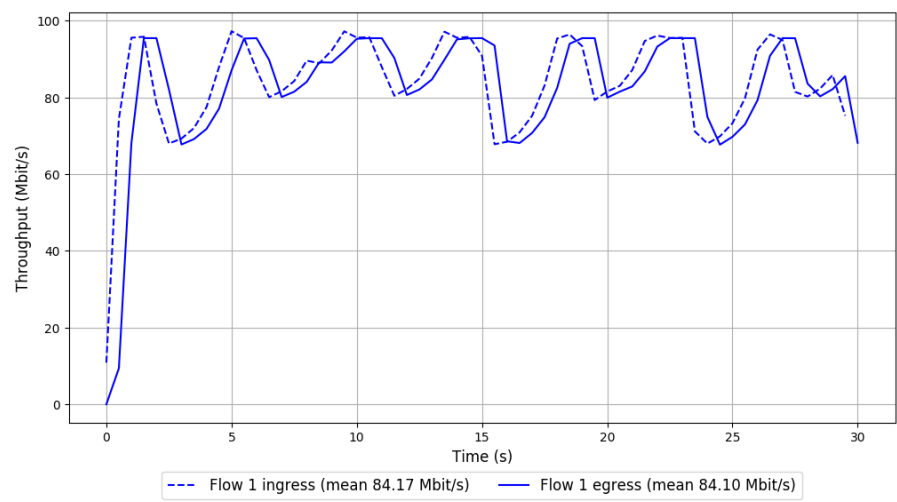
-- Flow 1:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 40.622 ms

Loss rate: 0.29%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 17:50:11

End at: 2018-08-01 17:50:41

Local clock offset: 0.549 ms

Remote clock offset: 1.473 ms

Below is generated by plot.py at 2018-08-01 20:17:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.86 Mbit/s

95th percentile per-packet one-way delay: 40.702 ms

Loss rate: 0.33%

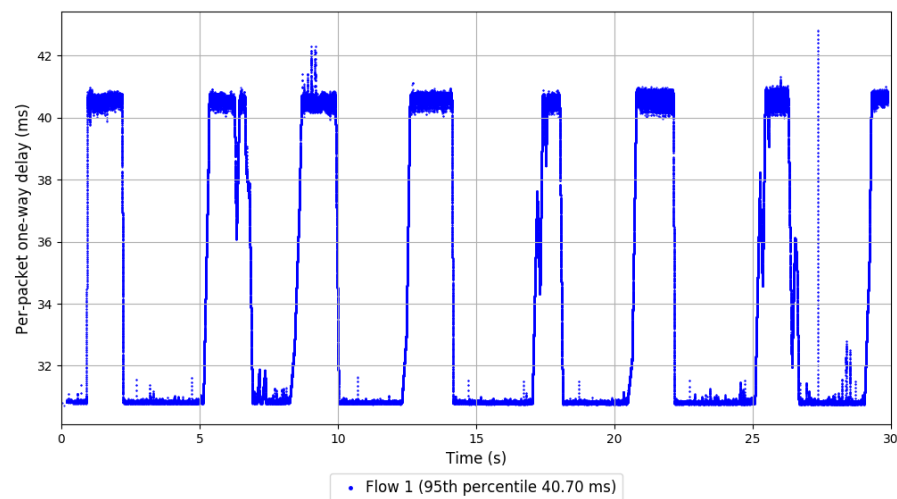
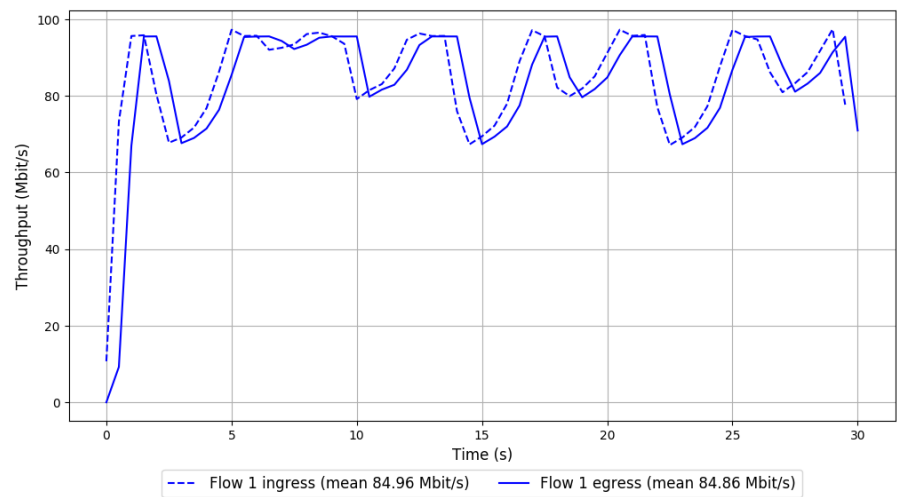
-- Flow 1:

Average throughput: 84.86 Mbit/s

95th percentile per-packet one-way delay: 40.702 ms

Loss rate: 0.33%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 18:12:37

End at: 2018-08-01 18:13:07

Local clock offset: 0.019 ms

Remote clock offset: 1.257 ms

Below is generated by plot.py at 2018-08-01 20:17:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 40.734 ms

Loss rate: 0.33%

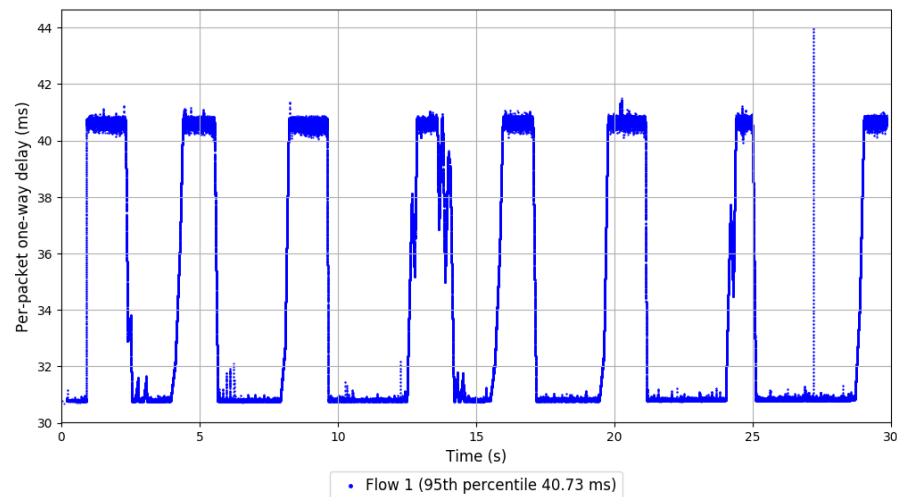
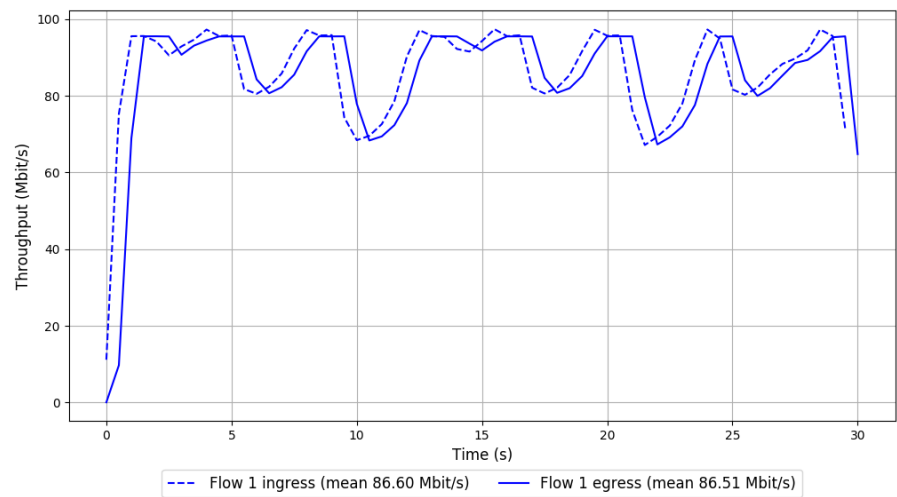
-- Flow 1:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 40.734 ms

Loss rate: 0.33%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 18:34:55

End at: 2018-08-01 18:35:25

Local clock offset: -0.167 ms

Remote clock offset: 1.802 ms

Below is generated by plot.py at 2018-08-01 20:18:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 40.803 ms

Loss rate: 0.33%

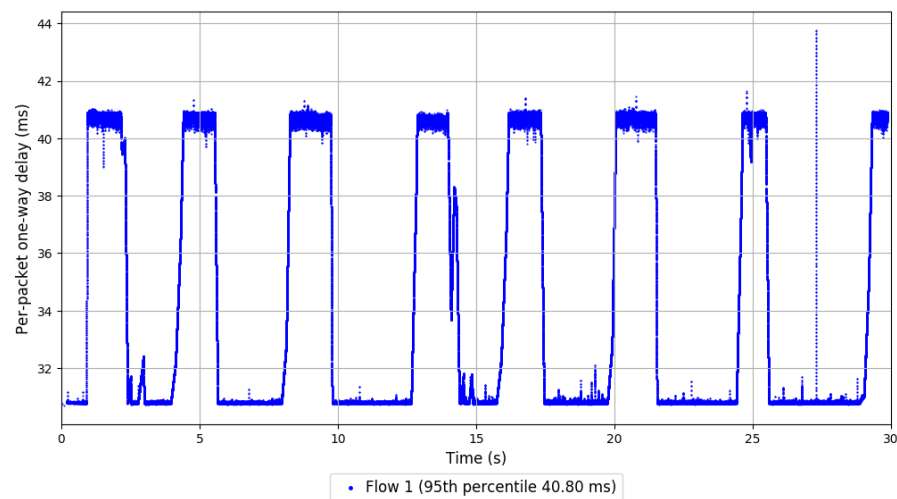
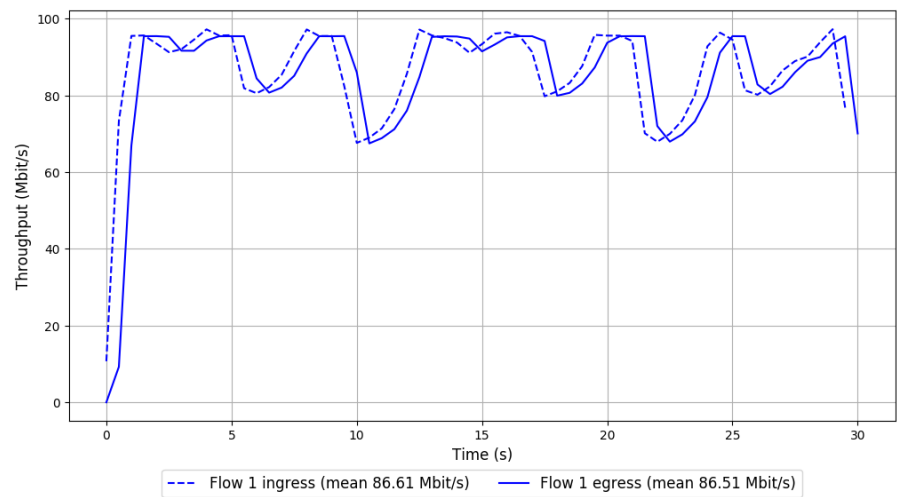
-- Flow 1:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 40.803 ms

Loss rate: 0.33%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 18:57:11

End at: 2018-08-01 18:57:41

Local clock offset: -0.181 ms

Remote clock offset: 2.128 ms

Below is generated by plot.py at 2018-08-01 20:18:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.05 Mbit/s

95th percentile per-packet one-way delay: 40.724 ms

Loss rate: 0.33%

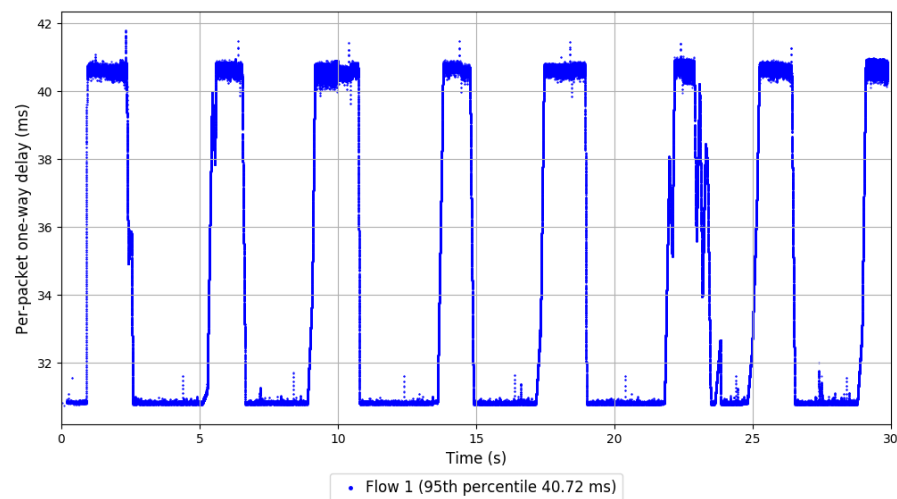
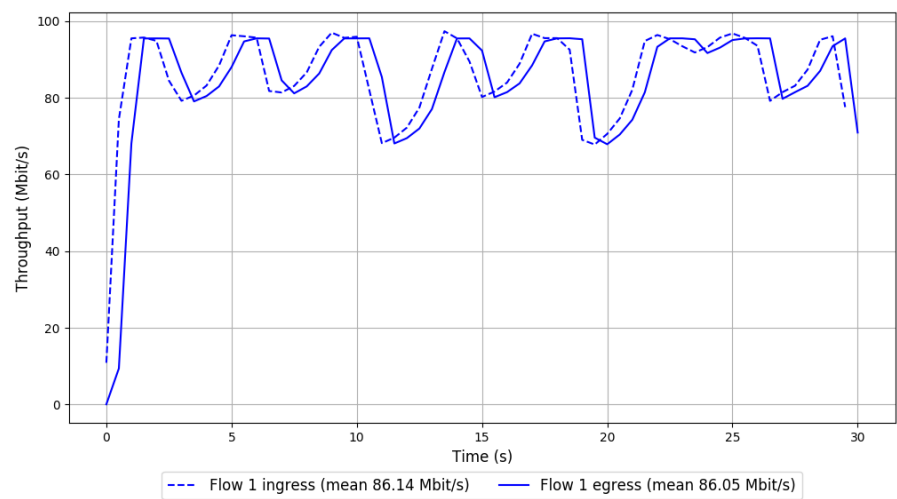
-- Flow 1:

Average throughput: 86.05 Mbit/s

95th percentile per-packet one-way delay: 40.724 ms

Loss rate: 0.33%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 19:19:28

End at: 2018-08-01 19:19:58

Local clock offset: 0.097 ms

Remote clock offset: 2.41 ms

Below is generated by plot.py at 2018-08-01 20:19:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 40.708 ms

Loss rate: 0.34%

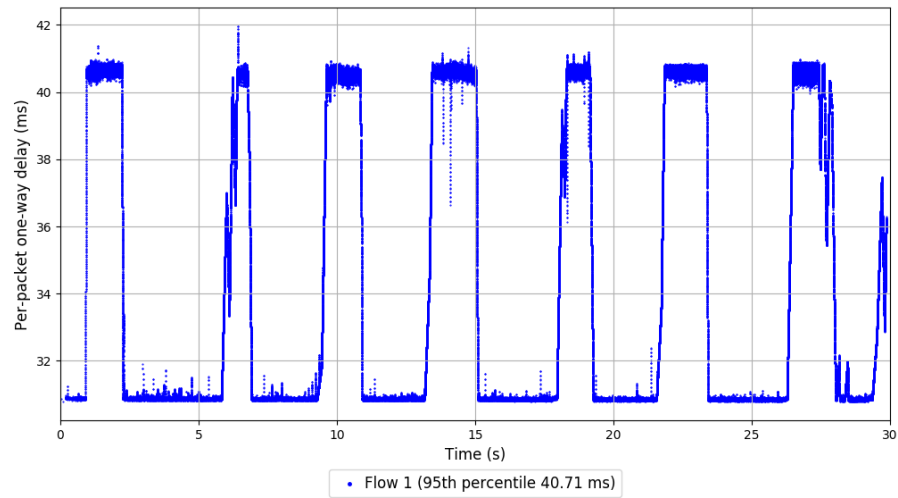
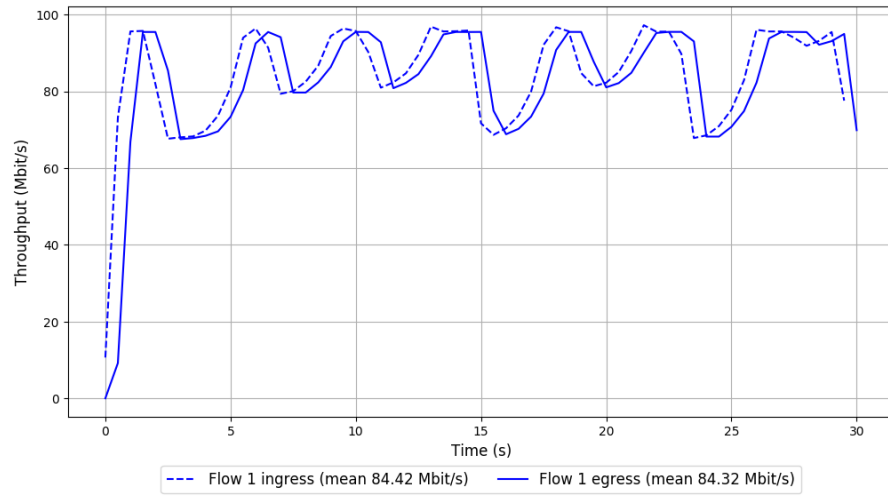
-- Flow 1:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 40.708 ms

Loss rate: 0.34%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 19:41:46

End at: 2018-08-01 19:42:16

Local clock offset: 0.375 ms

Remote clock offset: 2.186 ms

Below is generated by plot.py at 2018-08-01 20:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 40.651 ms

Loss rate: 0.28%

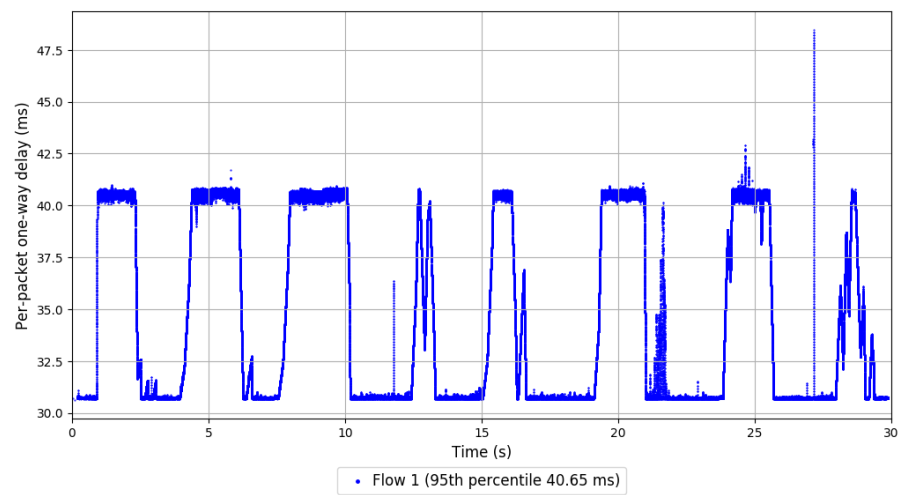
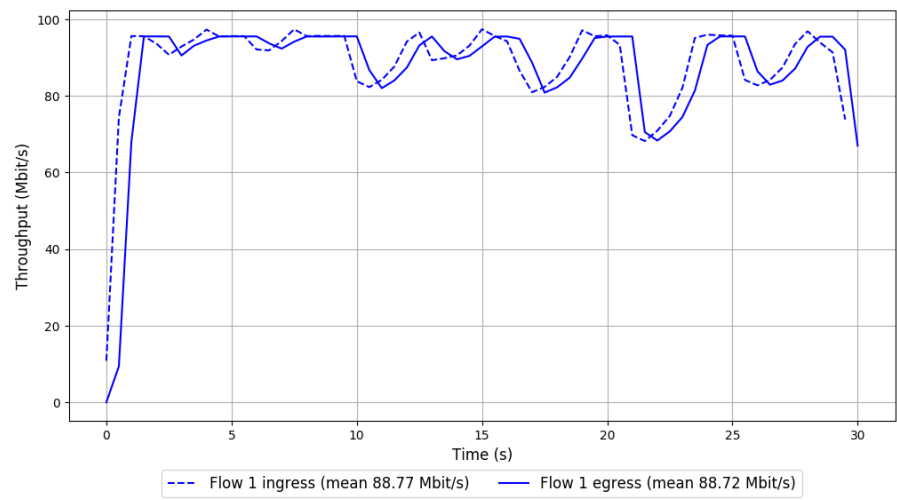
-- Flow 1:

Average throughput: 88.72 Mbit/s

95th percentile per-packet one-way delay: 40.651 ms

Loss rate: 0.28%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 16:23:24

End at: 2018-08-01 16:23:54

Local clock offset: 0.374 ms

Remote clock offset: 1.632 ms

Below is generated by plot.py at 2018-08-01 20:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 40.614 ms

Loss rate: 0.31%

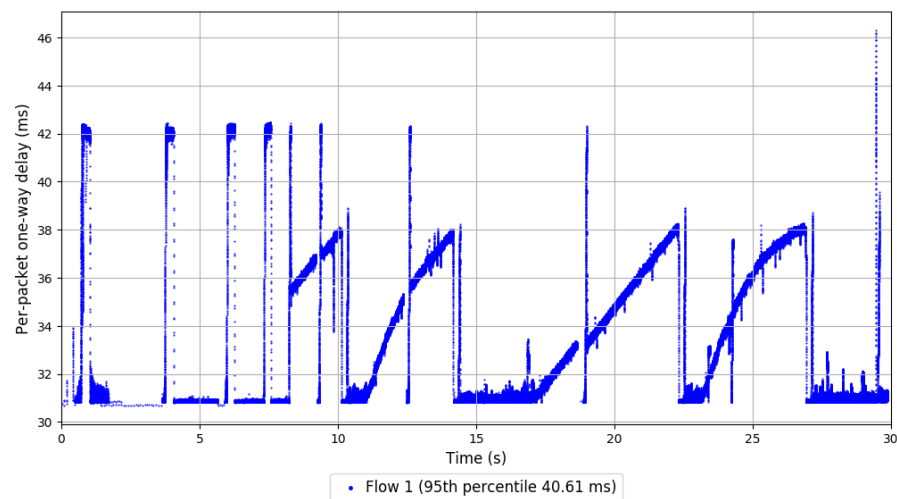
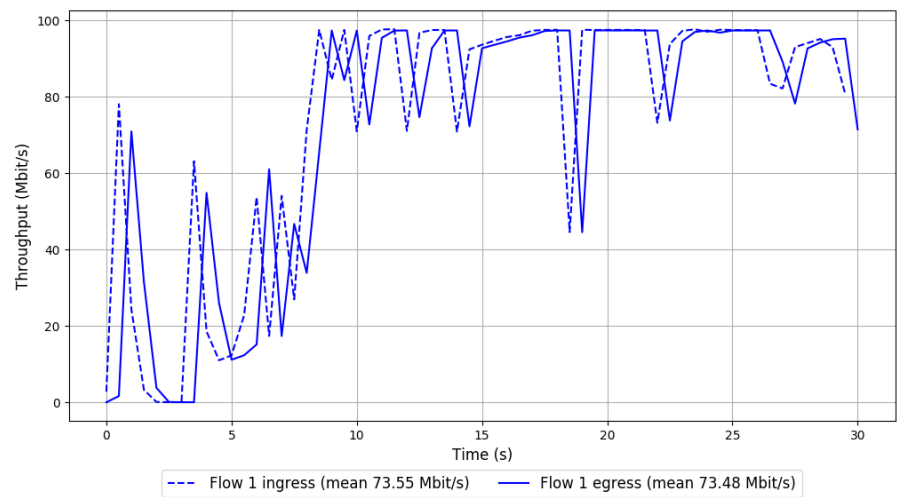
-- Flow 1:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 40.614 ms

Loss rate: 0.31%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 16:45:42

End at: 2018-08-01 16:46:12

Local clock offset: 0.21 ms

Remote clock offset: 1.808 ms

Below is generated by plot.py at 2018-08-01 20:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 40.430 ms

Loss rate: 0.09%

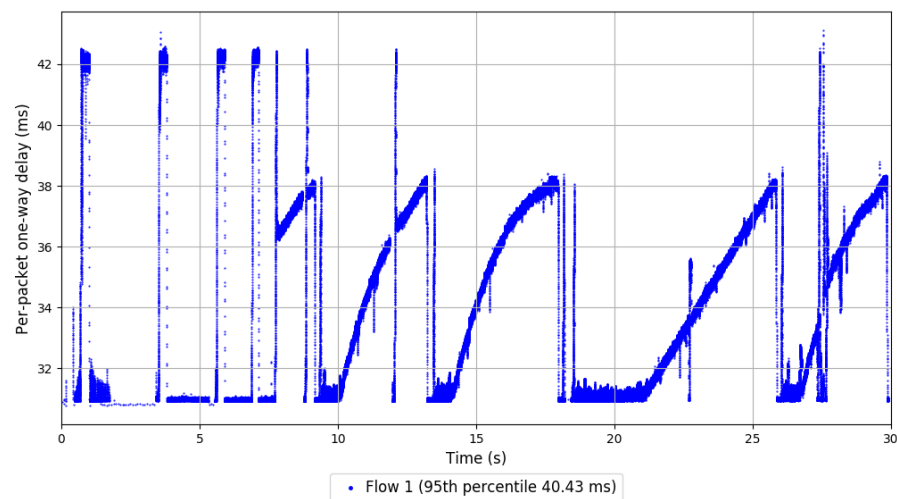
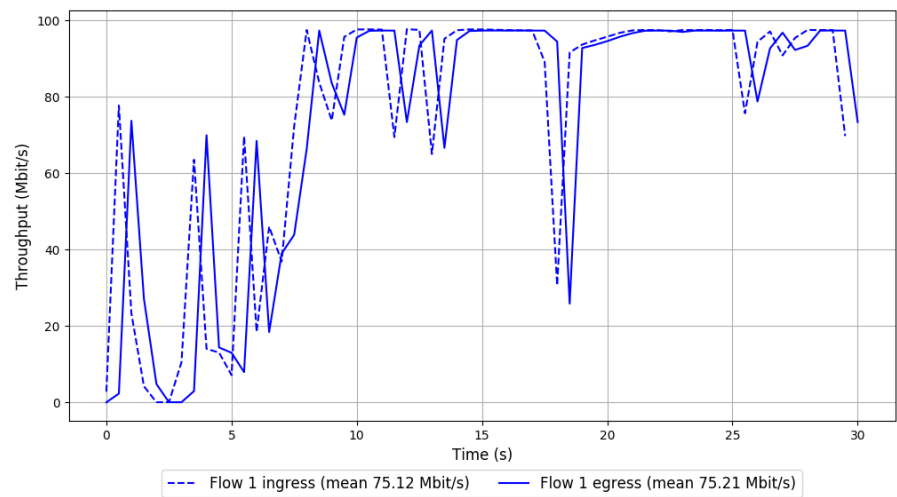
-- Flow 1:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 40.430 ms

Loss rate: 0.09%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 17:08:00

End at: 2018-08-01 17:08:30

Local clock offset: 0.241 ms

Remote clock offset: 2.087 ms

Below is generated by plot.py at 2018-08-01 20:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.12 Mbit/s

95th percentile per-packet one-way delay: 39.302 ms

Loss rate: 0.32%

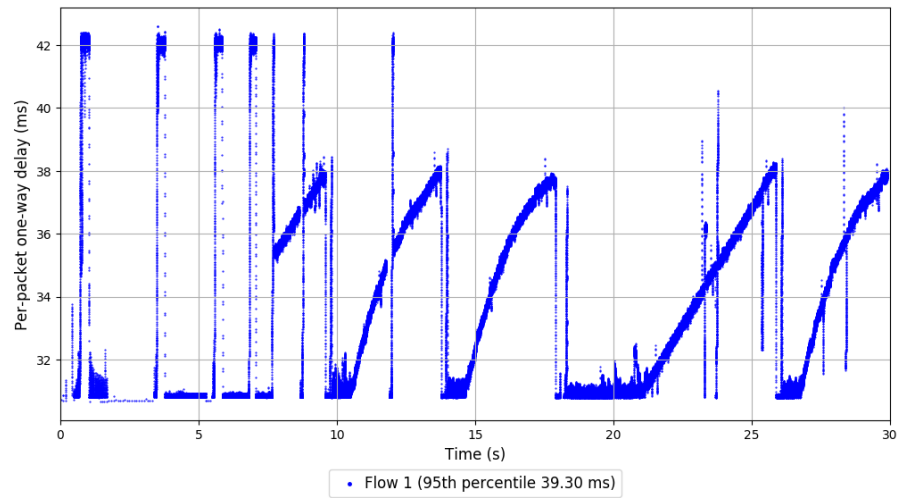
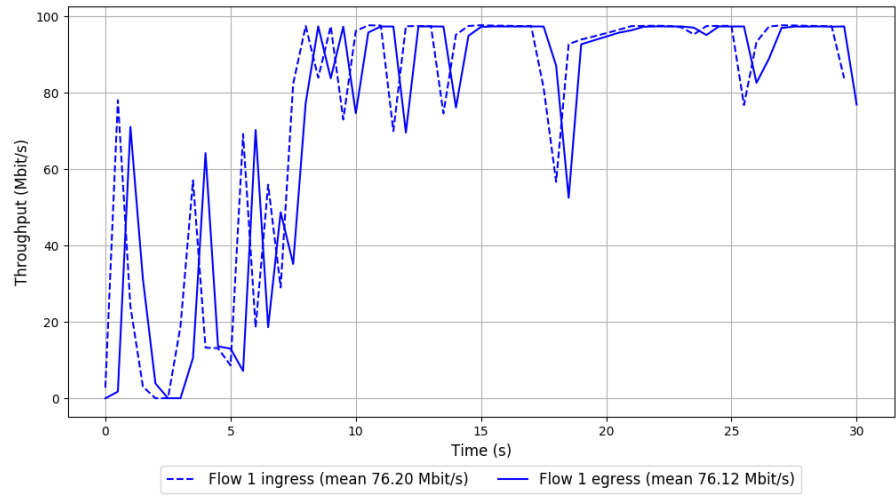
-- Flow 1:

Average throughput: 76.12 Mbit/s

95th percentile per-packet one-way delay: 39.302 ms

Loss rate: 0.32%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 17:30:35

End at: 2018-08-01 17:31:05

Local clock offset: 0.321 ms

Remote clock offset: 1.786 ms

Below is generated by plot.py at 2018-08-01 20:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.93 Mbit/s

95th percentile per-packet one-way delay: 40.976 ms

Loss rate: 0.31%

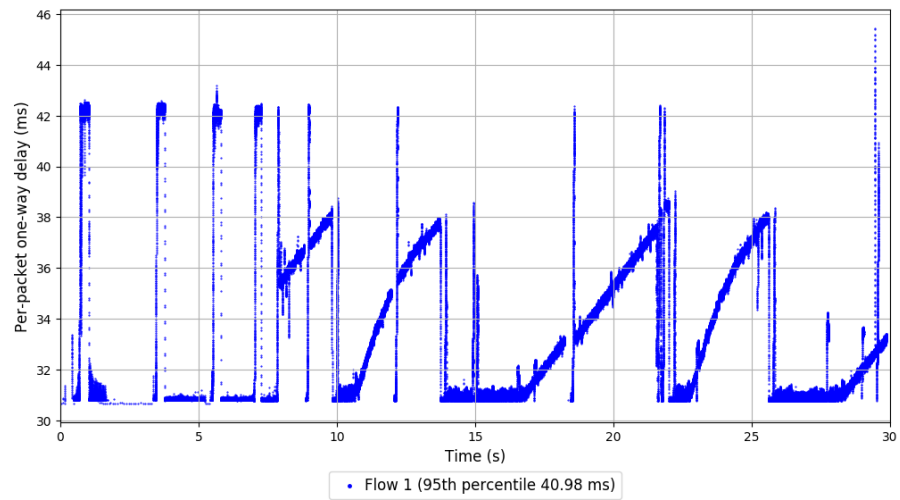
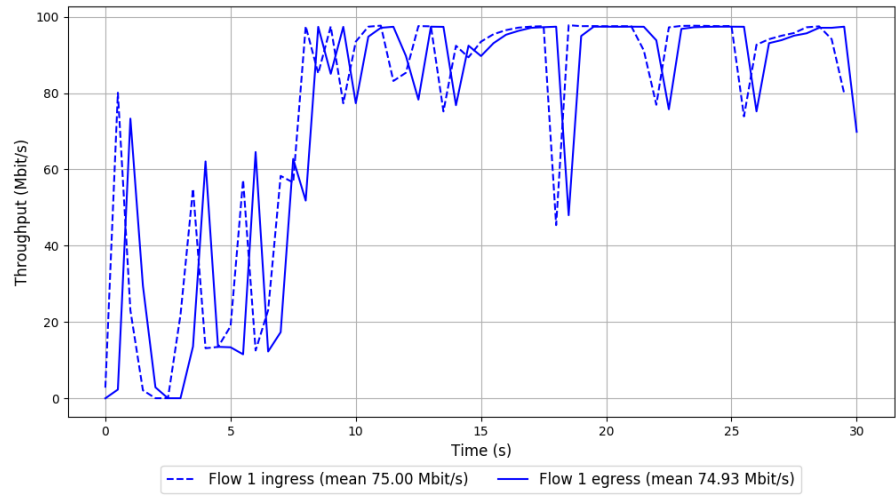
-- Flow 1:

Average throughput: 74.93 Mbit/s

95th percentile per-packet one-way delay: 40.976 ms

Loss rate: 0.31%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 17:52:53

End at: 2018-08-01 17:53:23

Local clock offset: 0.48 ms

Remote clock offset: 1.432 ms

Below is generated by plot.py at 2018-08-01 20:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.47 Mbit/s

95th percentile per-packet one-way delay: 40.608 ms

Loss rate: 0.30%

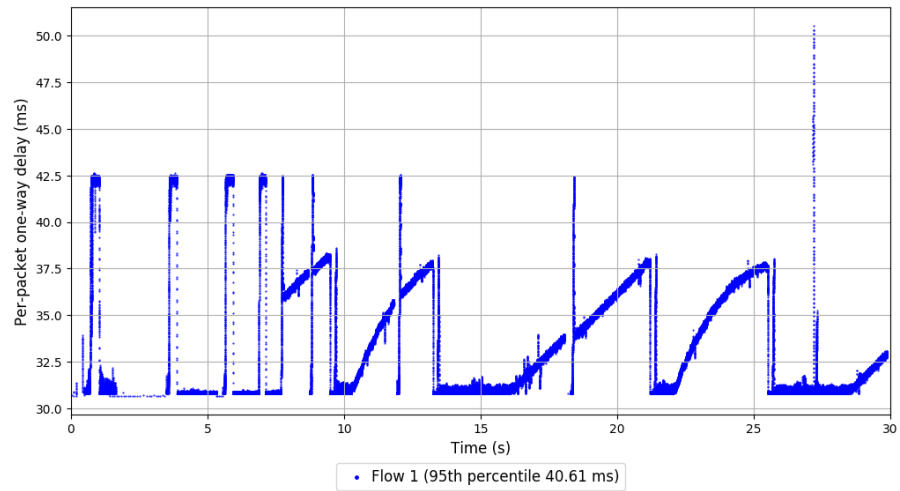
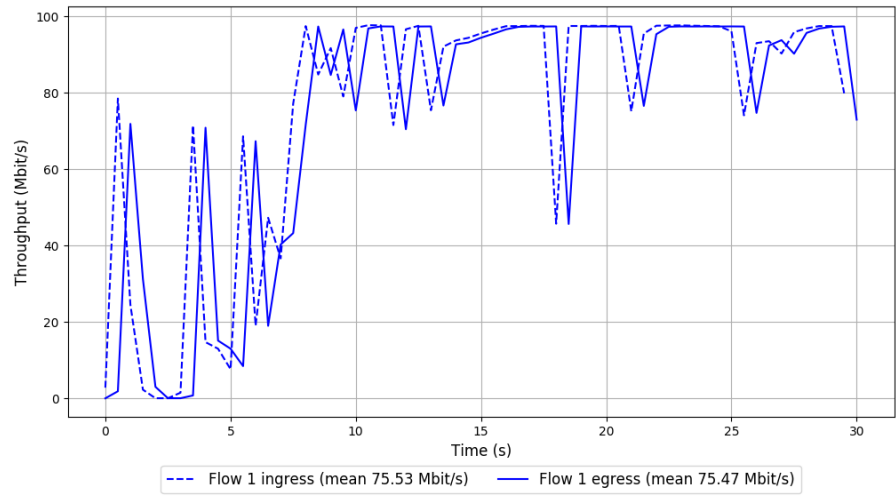
-- Flow 1:

Average throughput: 75.47 Mbit/s

95th percentile per-packet one-way delay: 40.608 ms

Loss rate: 0.30%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 18:15:19

End at: 2018-08-01 18:15:49

Local clock offset: 0.034 ms

Remote clock offset: 1.425 ms

Below is generated by plot.py at 2018-08-01 20:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 40.237 ms

Loss rate: 0.31%

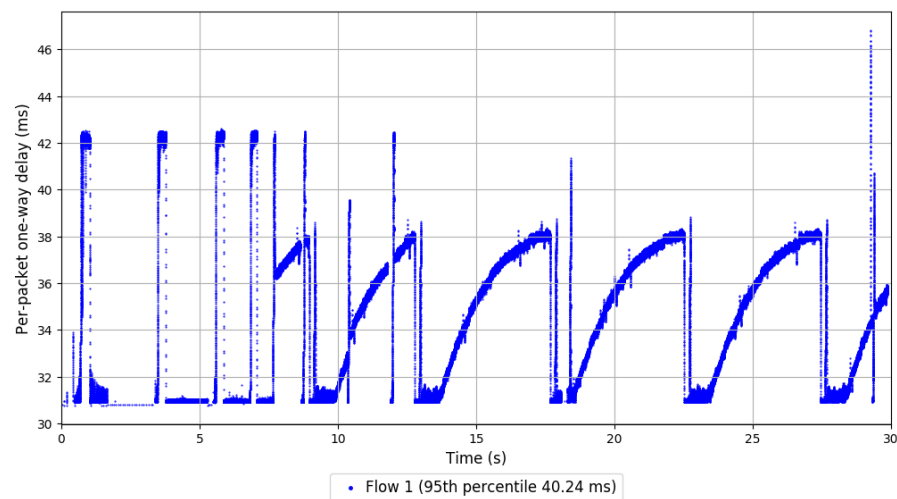
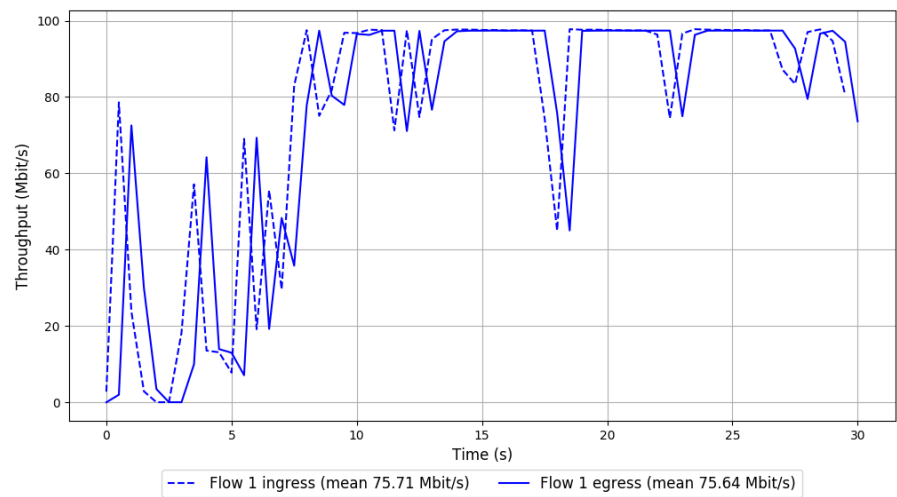
-- Flow 1:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 40.237 ms

Loss rate: 0.31%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 18:37:36

End at: 2018-08-01 18:38:06

Local clock offset: -0.255 ms

Remote clock offset: 1.823 ms

Below is generated by plot.py at 2018-08-01 20:19:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.77 Mbit/s

95th percentile per-packet one-way delay: 40.850 ms

Loss rate: 0.33%

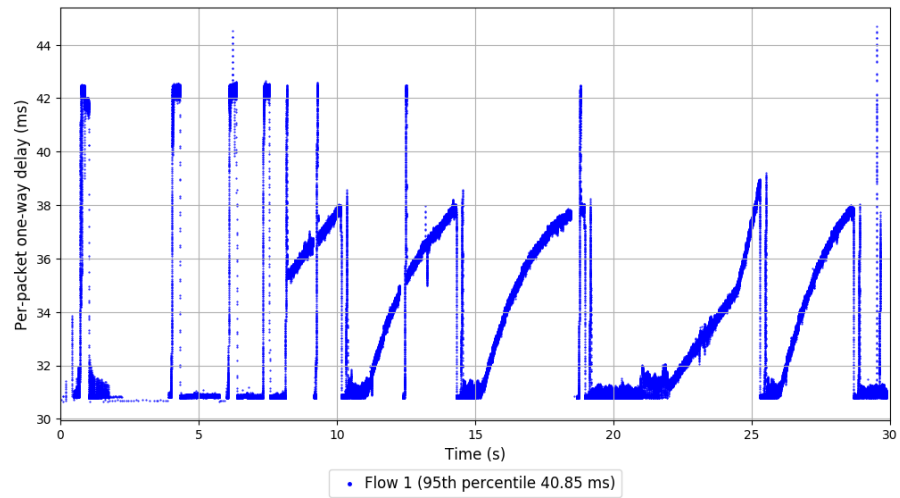
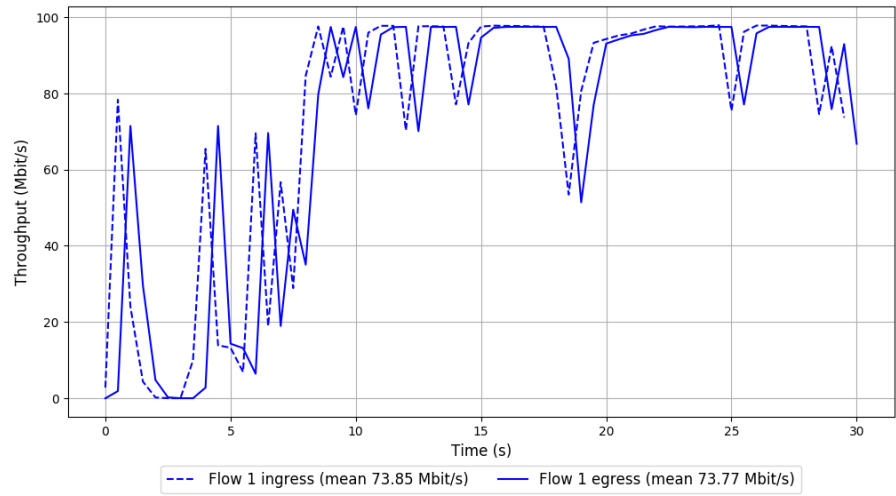
-- Flow 1:

Average throughput: 73.77 Mbit/s

95th percentile per-packet one-way delay: 40.850 ms

Loss rate: 0.33%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 18:59:53

End at: 2018-08-01 19:00:23

Local clock offset: -0.134 ms

Remote clock offset: 2.164 ms

Below is generated by plot.py at 2018-08-01 20:19:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 39.952 ms

Loss rate: 0.30%

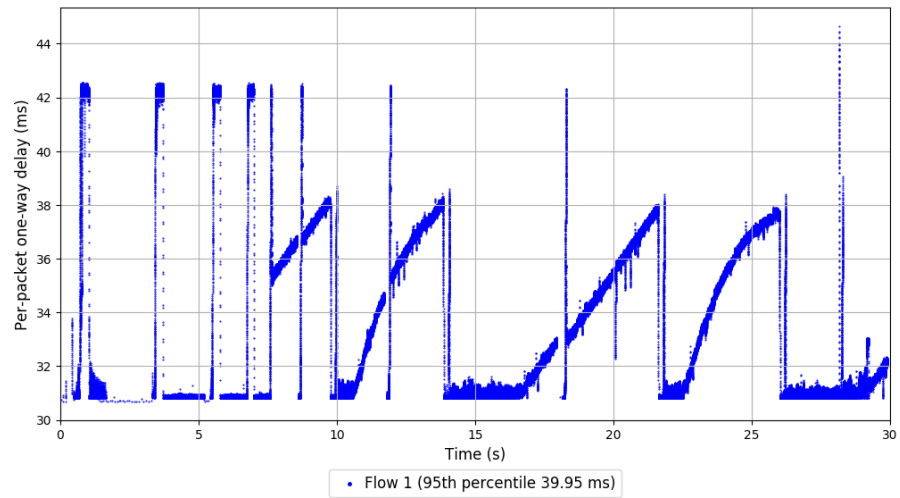
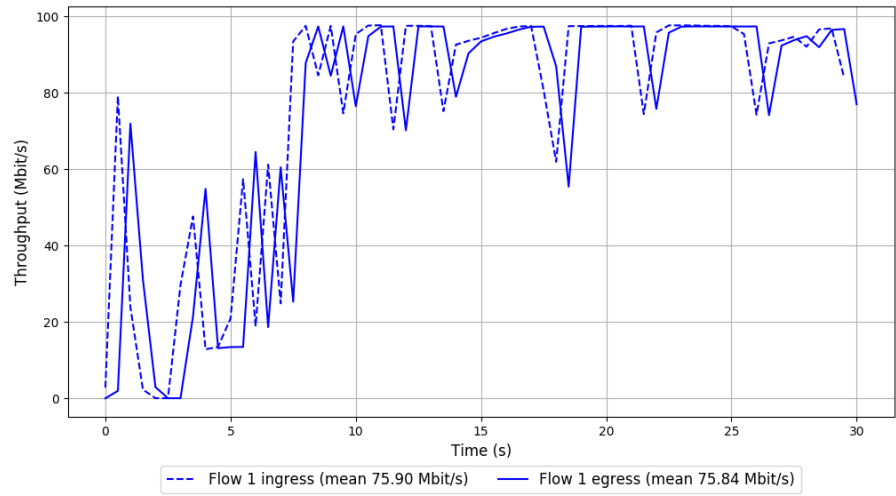
-- Flow 1:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 39.952 ms

Loss rate: 0.30%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 19:22:10

End at: 2018-08-01 19:22:40

Local clock offset: 0.121 ms

Remote clock offset: 2.309 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.90 Mbit/s

95th percentile per-packet one-way delay: 37.941 ms

Loss rate: 0.27%

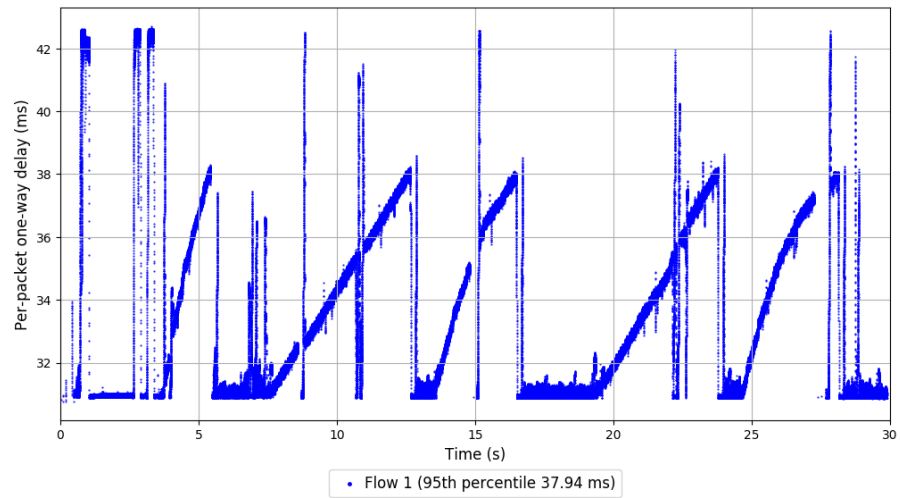
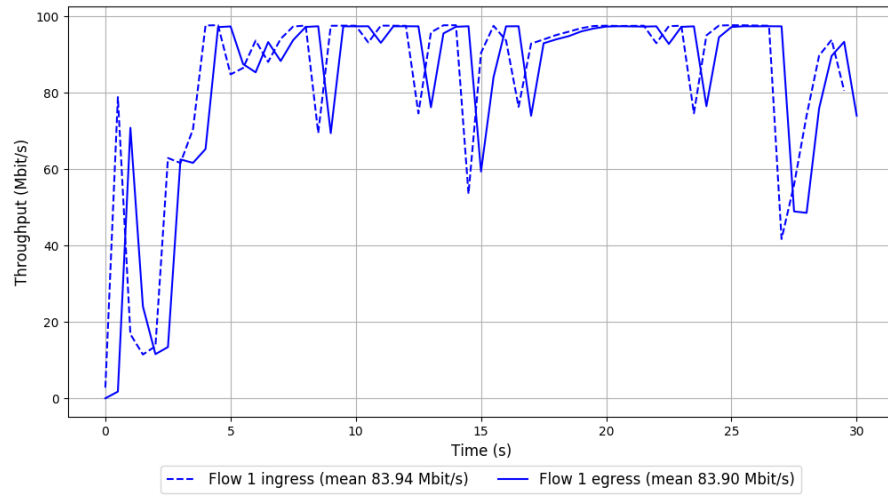
-- Flow 1:

Average throughput: 83.90 Mbit/s

95th percentile per-packet one-way delay: 37.941 ms

Loss rate: 0.27%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 19:44:29

End at: 2018-08-01 19:44:59

Local clock offset: 0.519 ms

Remote clock offset: 2.24 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.70 Mbit/s

95th percentile per-packet one-way delay: 40.568 ms

Loss rate: 0.32%

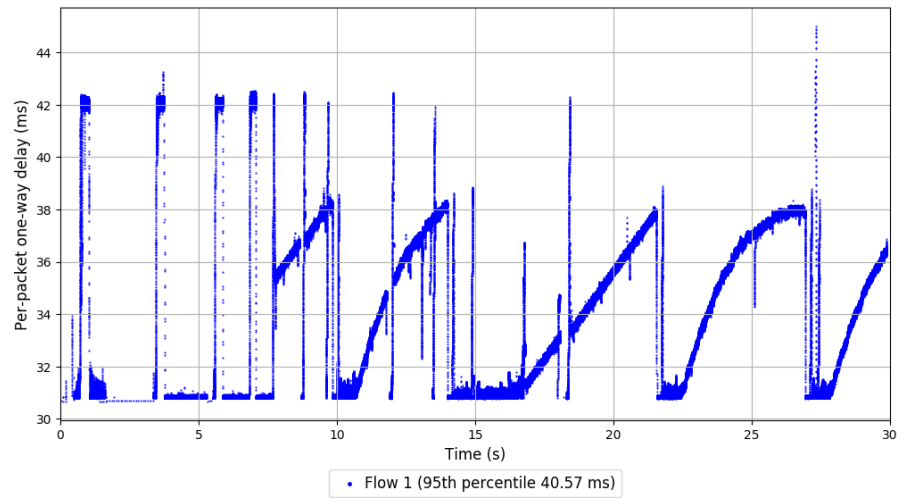
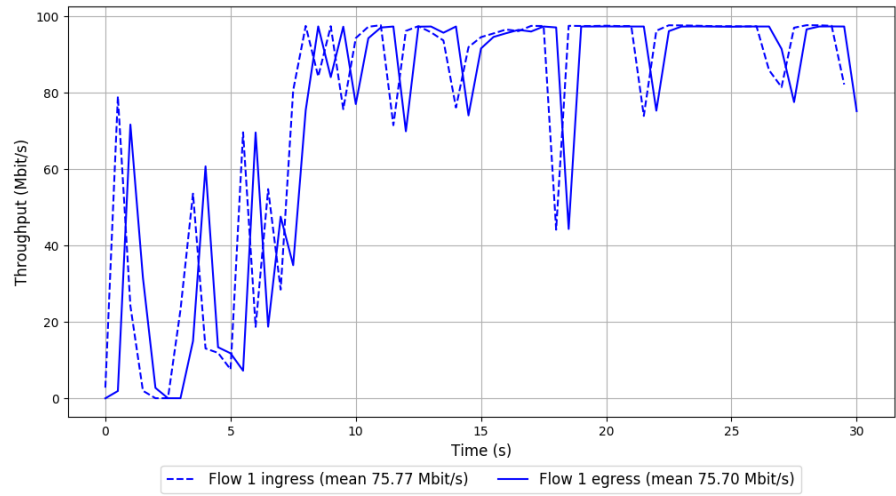
-- Flow 1:

Average throughput: 75.70 Mbit/s

95th percentile per-packet one-way delay: 40.568 ms

Loss rate: 0.32%

Run 10: Report of QUIC Cubic — Data Link

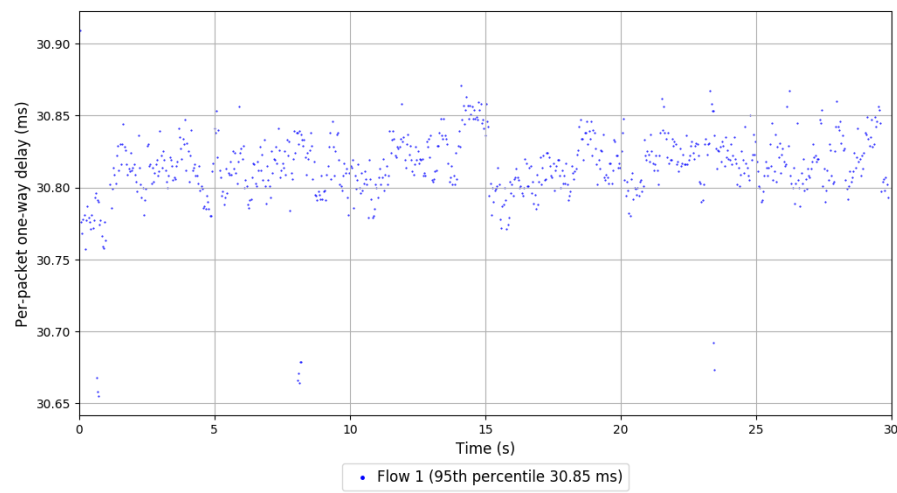
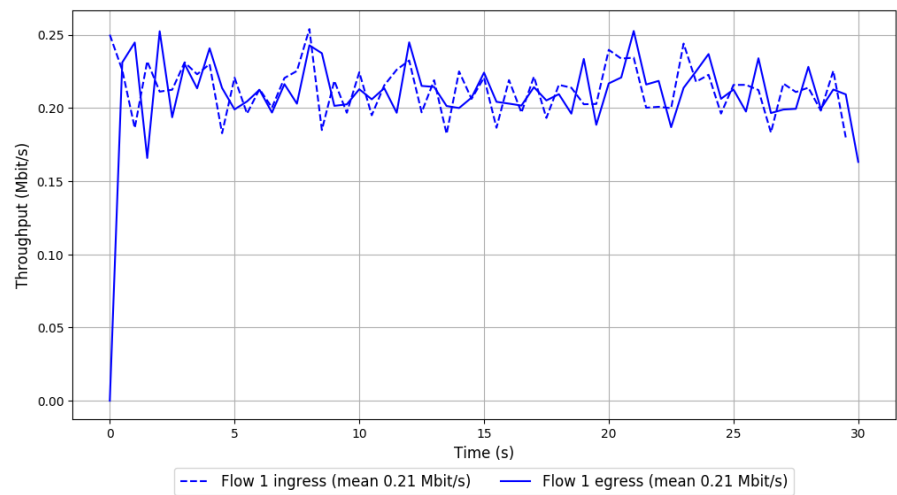


```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 16:39:06
End at: 2018-08-01 16:39:36
Local clock offset: 0.201 ms
Remote clock offset: 1.629 ms

# Below is generated by plot.py at 2018-08-01 20:20:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.848 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.848 ms
Loss rate: 0.26%
```


Run 1: Report of SReAM — Data Link

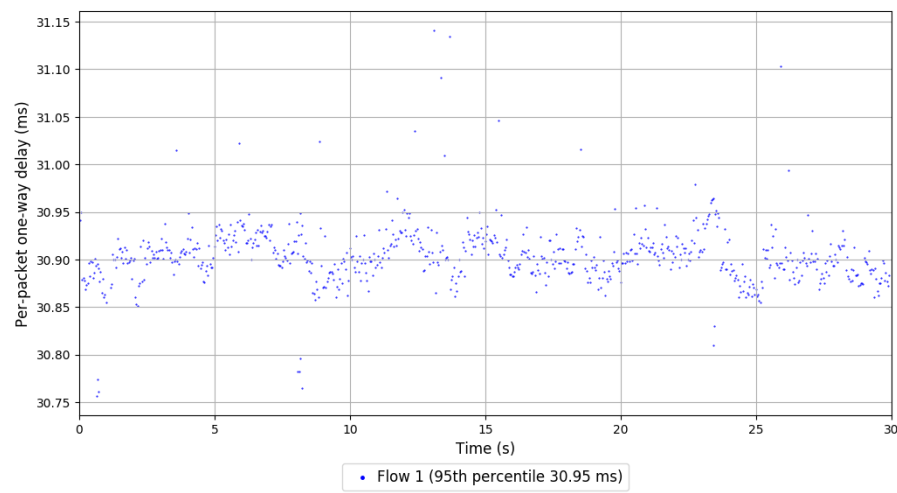
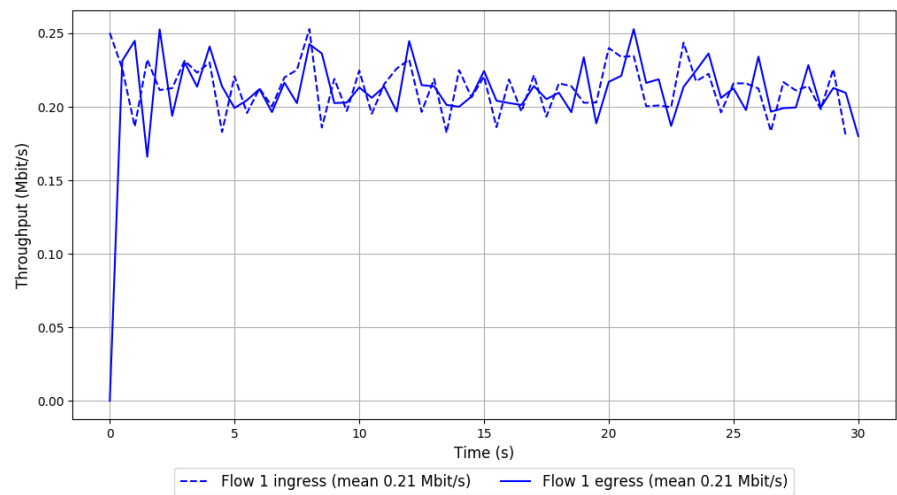


```
Run 2: Statistics of SCReAM

Start at: 2018-08-01 17:01:25
End at: 2018-08-01 17:01:55
Local clock offset: 0.251 ms
Remote clock offset: 2.13 ms

# Below is generated by plot.py at 2018-08-01 20:20:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.947 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.947 ms
Loss rate: 0.13%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-01 17:24:01

End at: 2018-08-01 17:24:31

Local clock offset: 0.32 ms

Remote clock offset: 1.881 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.835 ms

Loss rate: 0.13%

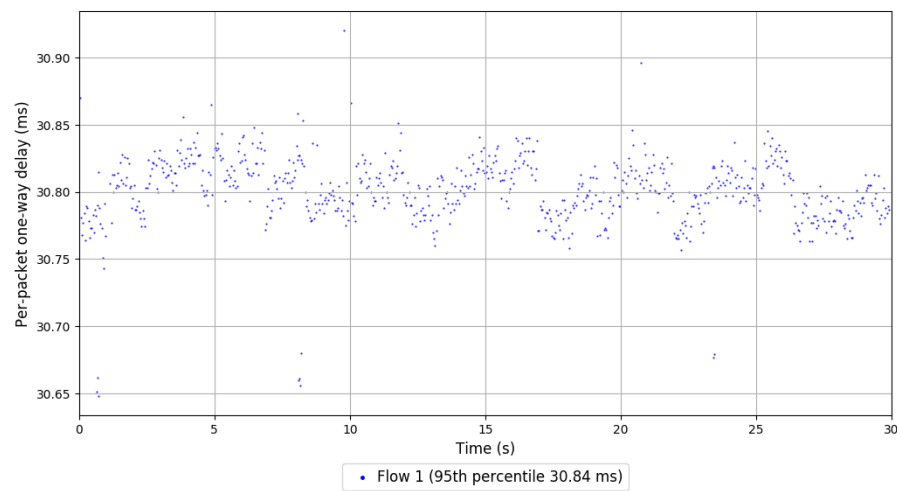
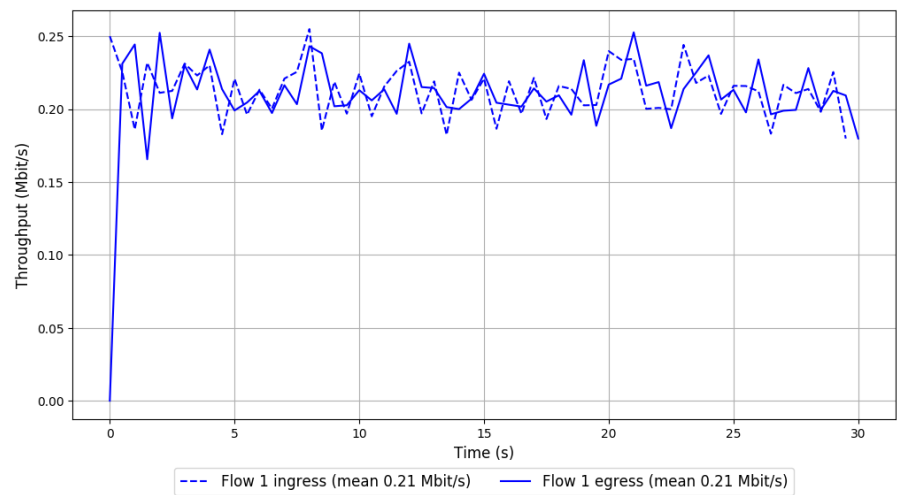
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.835 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-08-01 17:46:19

End at: 2018-08-01 17:46:49

Local clock offset: 0.461 ms

Remote clock offset: 1.541 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.857 ms

Loss rate: 0.26%

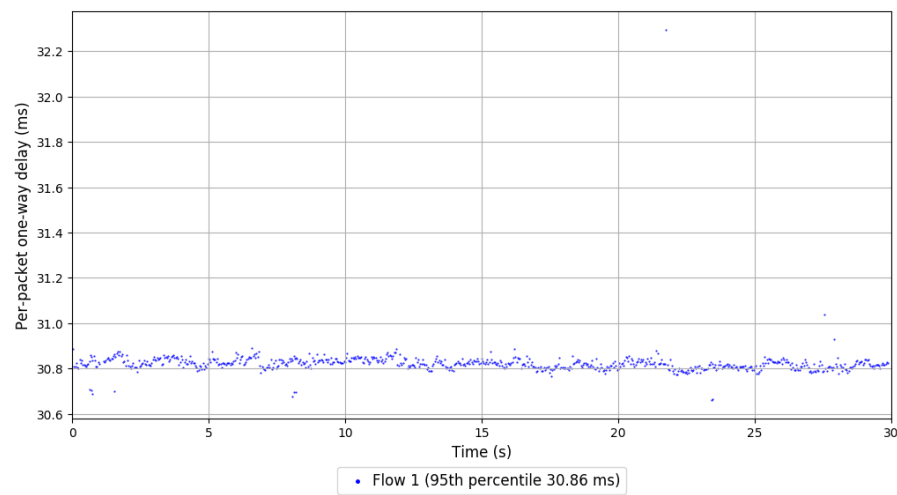
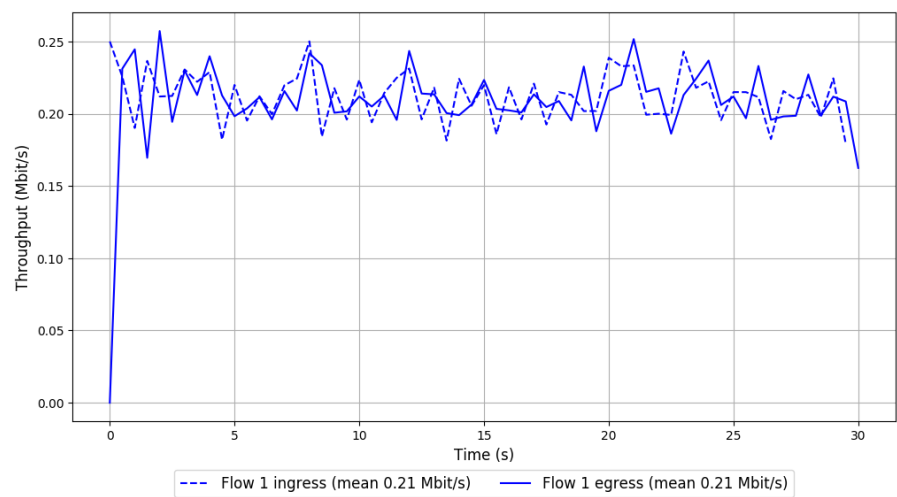
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.857 ms

Loss rate: 0.26%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-08-01 18:08:46

End at: 2018-08-01 18:09:16

Local clock offset: 0.128 ms

Remote clock offset: 1.172 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.827 ms

Loss rate: 0.26%

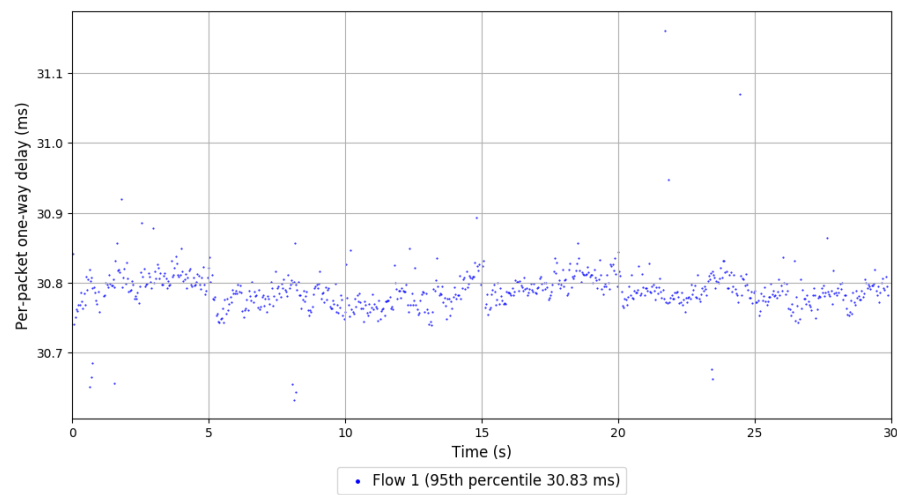
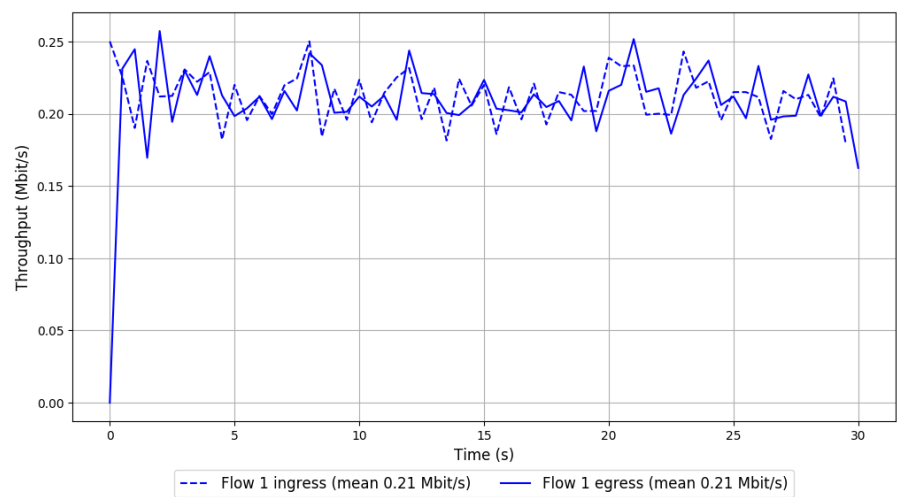
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.827 ms

Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-08-01 18:31:03

End at: 2018-08-01 18:31:33

Local clock offset: -0.217 ms

Remote clock offset: 1.741 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.830 ms

Loss rate: 0.13%

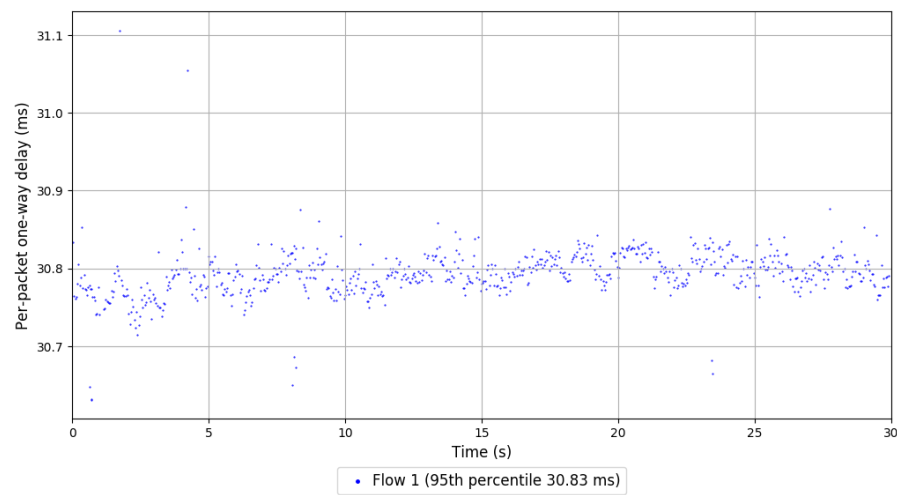
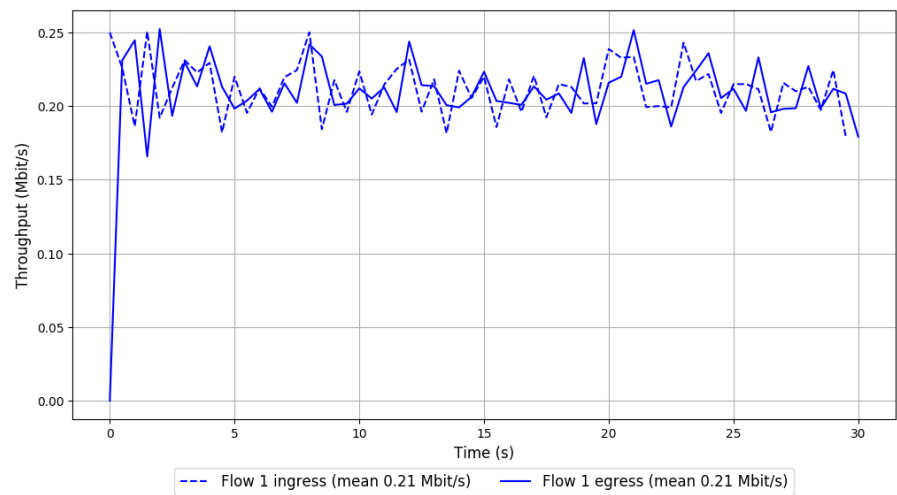
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.830 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-08-01 18:53:19

End at: 2018-08-01 18:53:49

Local clock offset: -0.349 ms

Remote clock offset: 2.055 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.946 ms

Loss rate: 0.26%

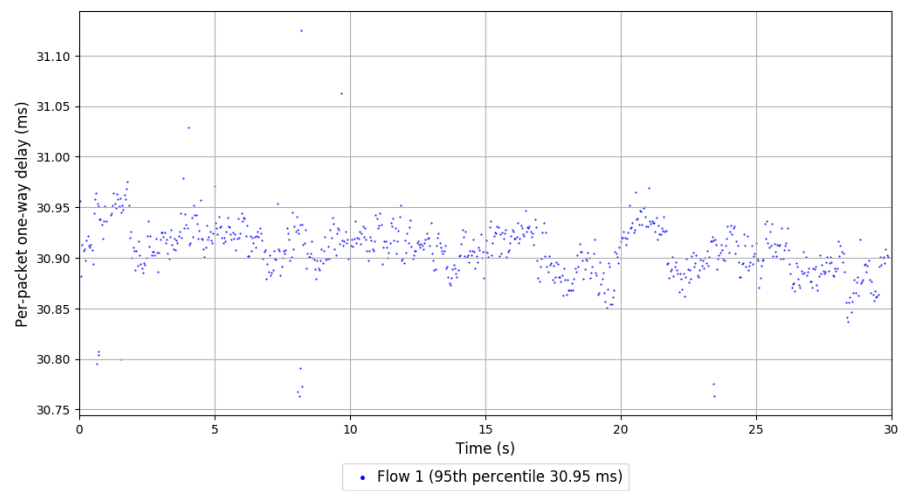
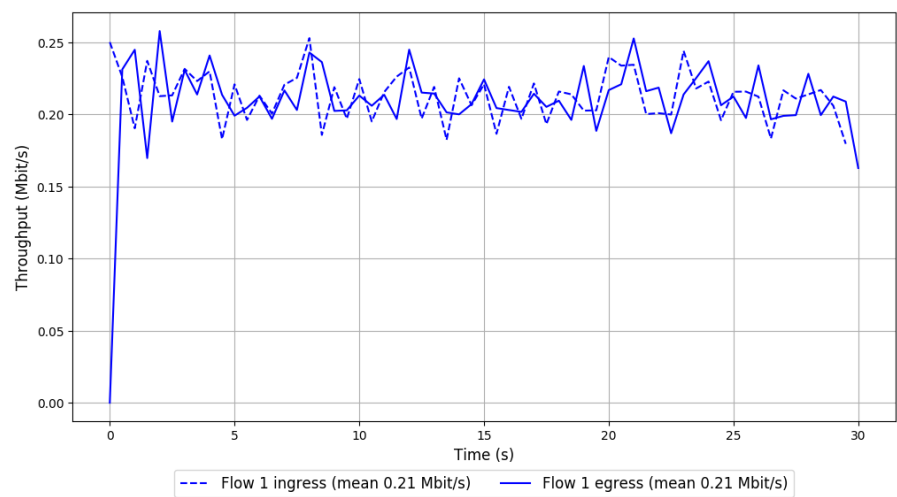
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.946 ms

Loss rate: 0.26%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-01 19:15:36

End at: 2018-08-01 19:16:06

Local clock offset: -0.054 ms

Remote clock offset: 2.355 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.26%

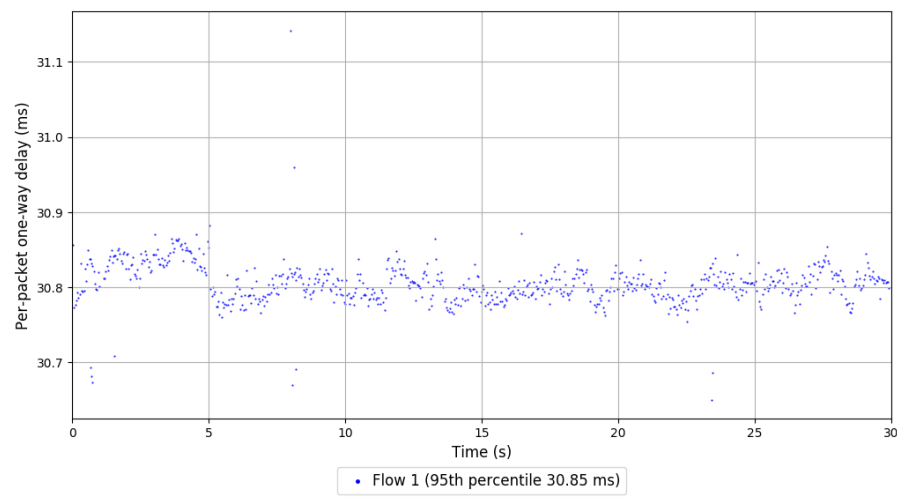
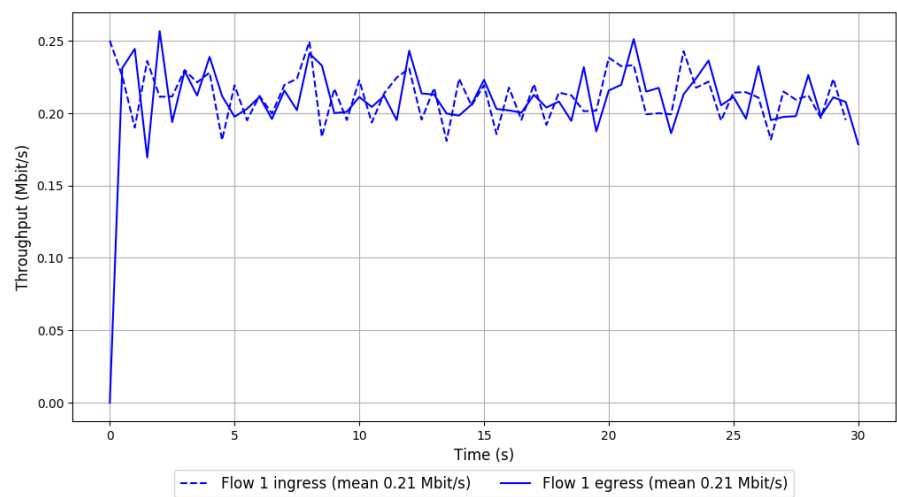
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.26%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-01 19:37:54

End at: 2018-08-01 19:38:24

Local clock offset: 0.302 ms

Remote clock offset: 2.124 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.789 ms

Loss rate: 0.26%

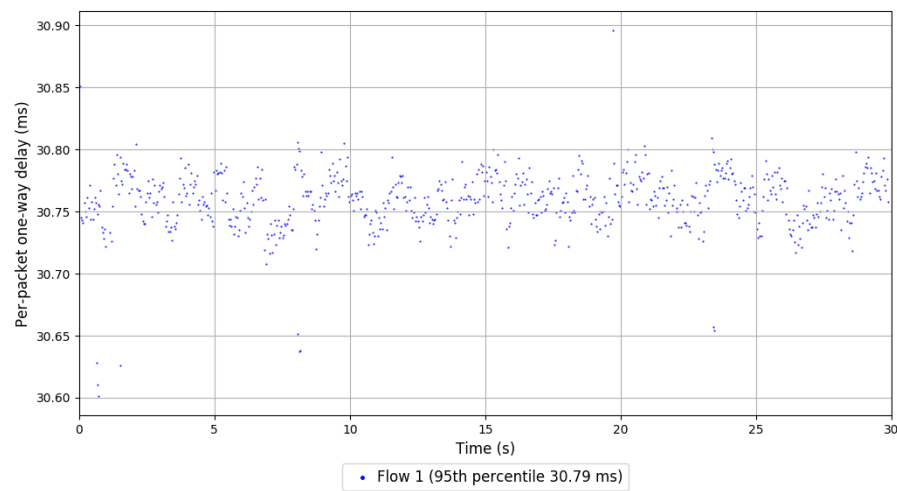
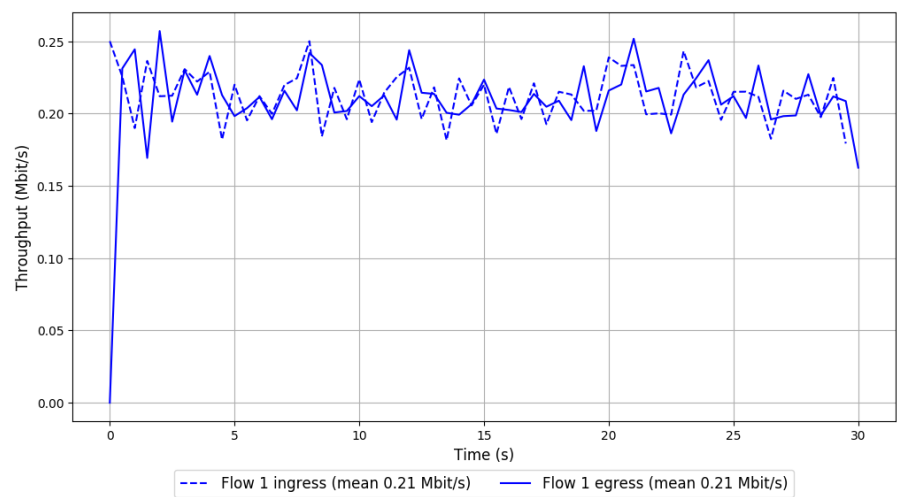
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.789 ms

Loss rate: 0.26%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-01 20:00:14

End at: 2018-08-01 20:00:44

Local clock offset: 0.421 ms

Remote clock offset: 2.23 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.865 ms

Loss rate: 0.13%

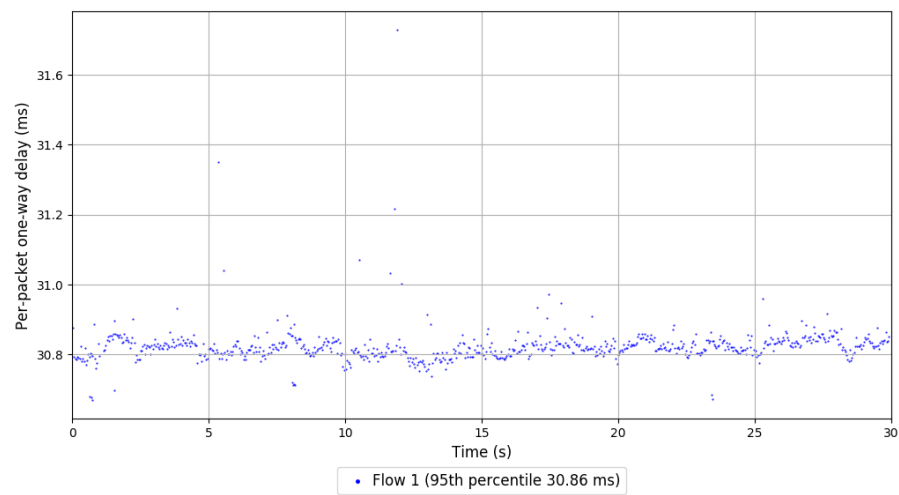
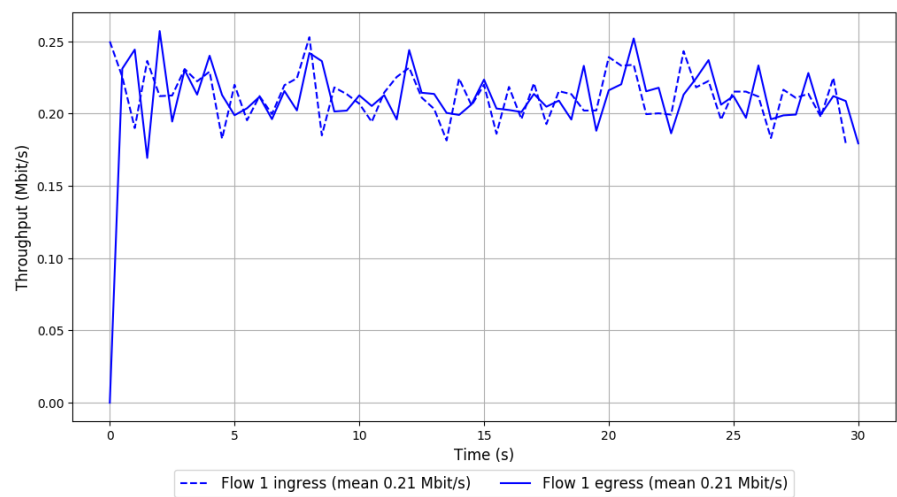
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.865 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-01 16:36:33

End at: 2018-08-01 16:37:03

Local clock offset: 0.233 ms

Remote clock offset: 1.552 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.67 Mbit/s

95th percentile per-packet one-way delay: 37.689 ms

Loss rate: 0.26%

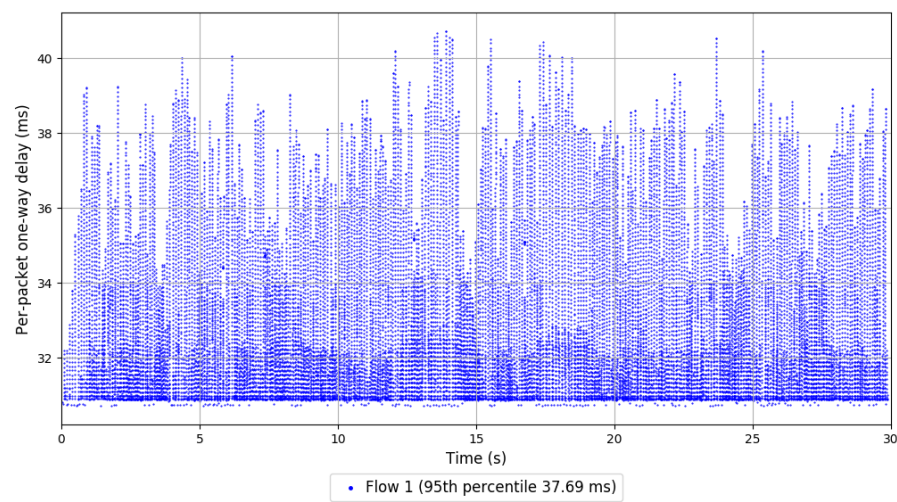
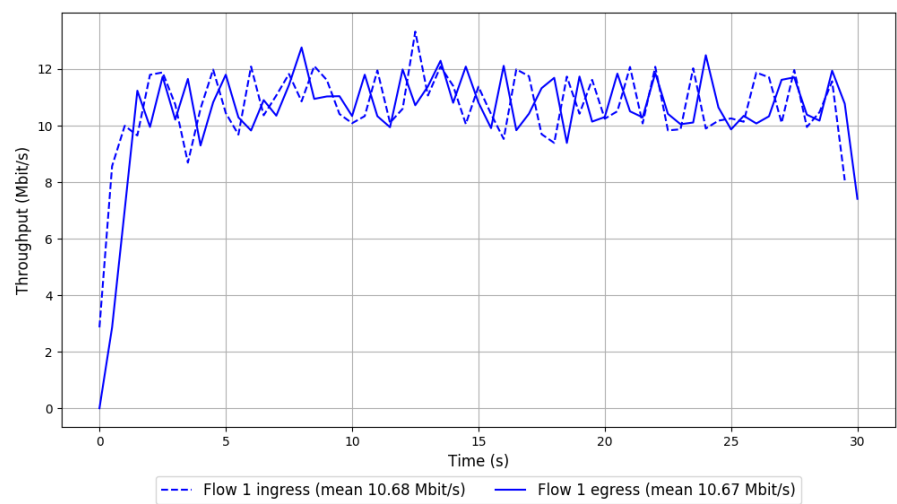
-- Flow 1:

Average throughput: 10.67 Mbit/s

95th percentile per-packet one-way delay: 37.689 ms

Loss rate: 0.26%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-01 16:58:52

End at: 2018-08-01 16:59:22

Local clock offset: 0.147 ms

Remote clock offset: 2.152 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.44 Mbit/s

95th percentile per-packet one-way delay: 37.363 ms

Loss rate: 0.17%

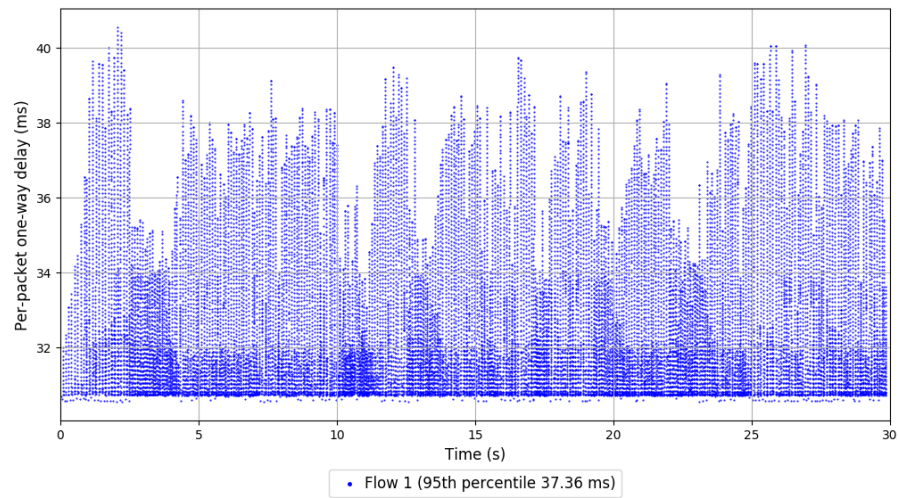
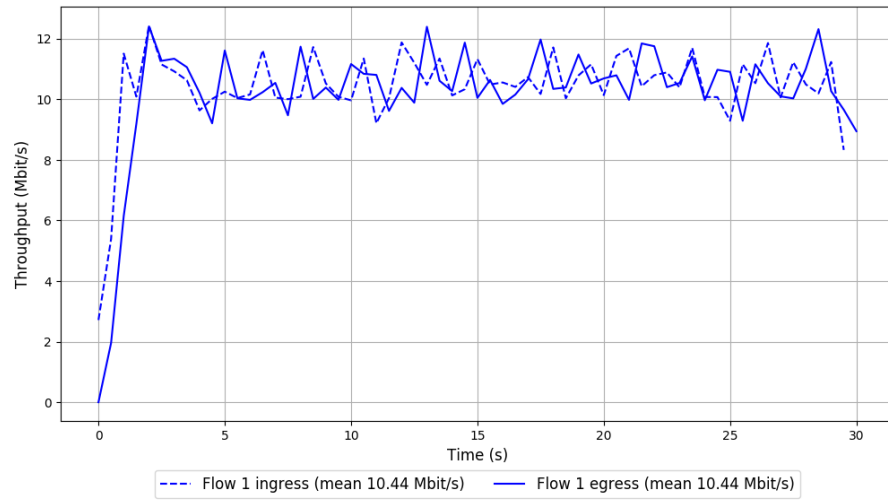
-- Flow 1:

Average throughput: 10.44 Mbit/s

95th percentile per-packet one-way delay: 37.363 ms

Loss rate: 0.17%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-08-01 17:21:27

End at: 2018-08-01 17:21:57

Local clock offset: 0.35 ms

Remote clock offset: 1.877 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 37.754 ms

Loss rate: 0.15%

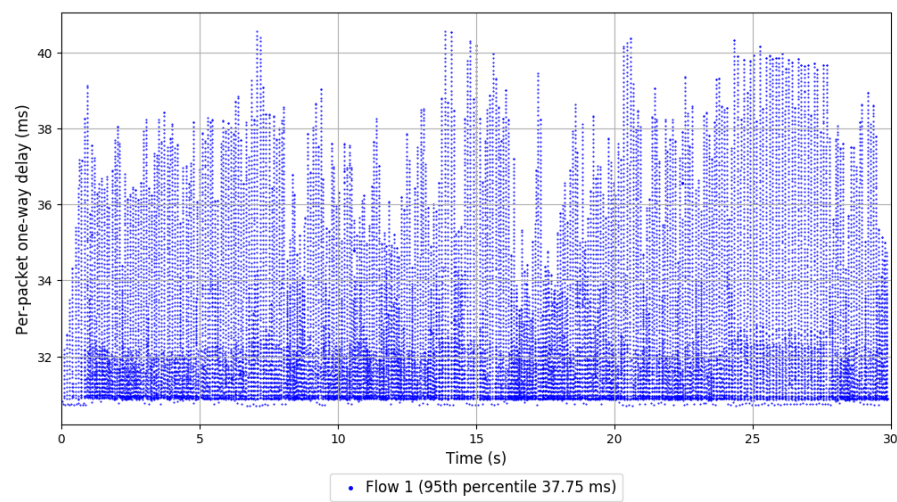
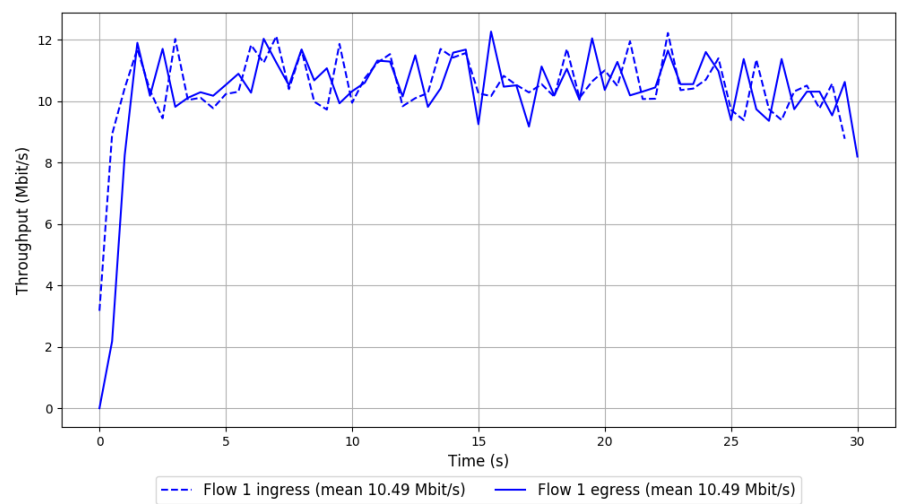
-- Flow 1:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 37.754 ms

Loss rate: 0.15%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-01 17:43:45

End at: 2018-08-01 17:44:15

Local clock offset: 0.411 ms

Remote clock offset: 1.559 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.50 Mbit/s

95th percentile per-packet one-way delay: 37.544 ms

Loss rate: 0.25%

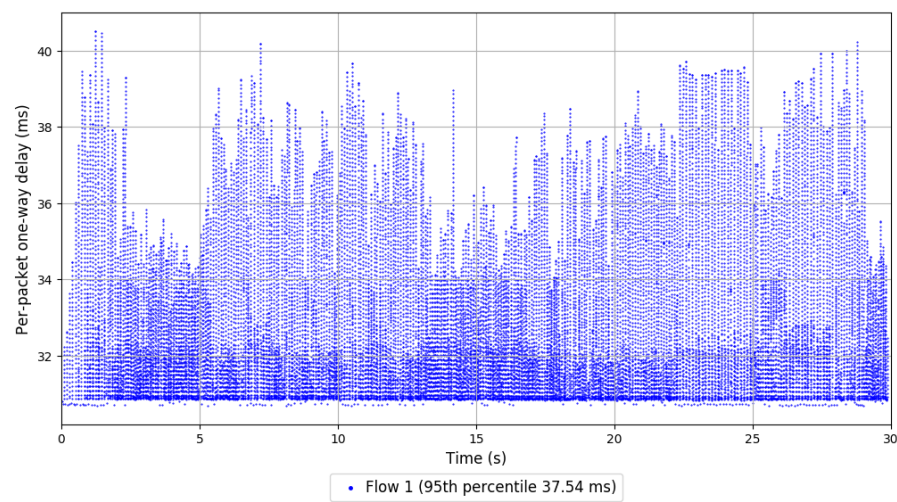
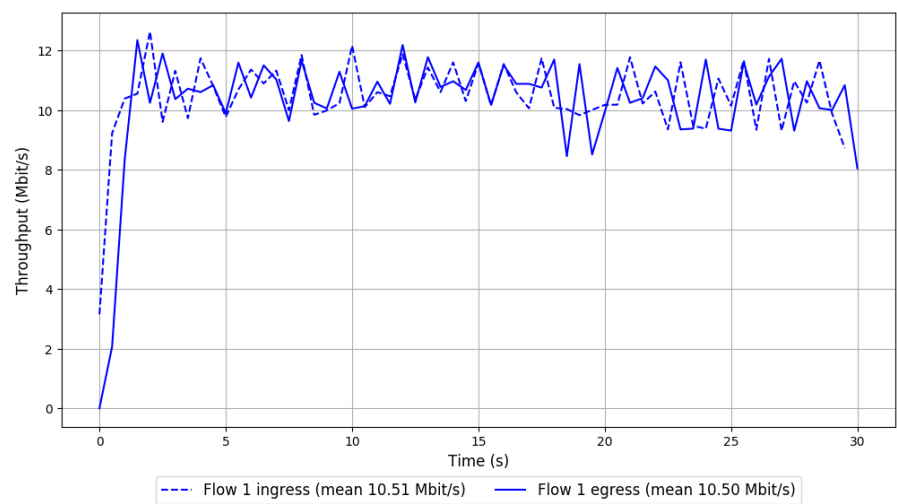
-- Flow 1:

Average throughput: 10.50 Mbit/s

95th percentile per-packet one-way delay: 37.544 ms

Loss rate: 0.25%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-08-01 18:06:12

End at: 2018-08-01 18:06:42

Local clock offset: 0.302 ms

Remote clock offset: 1.304 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 37.338 ms

Loss rate: 0.32%

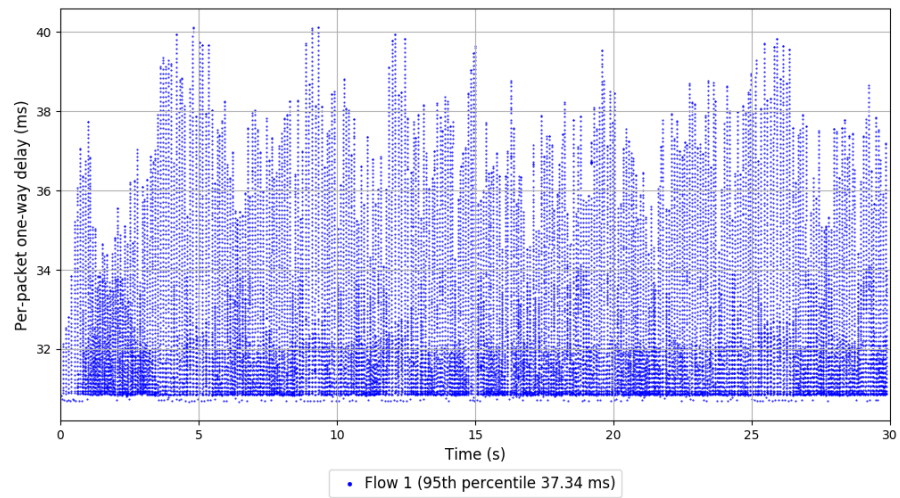
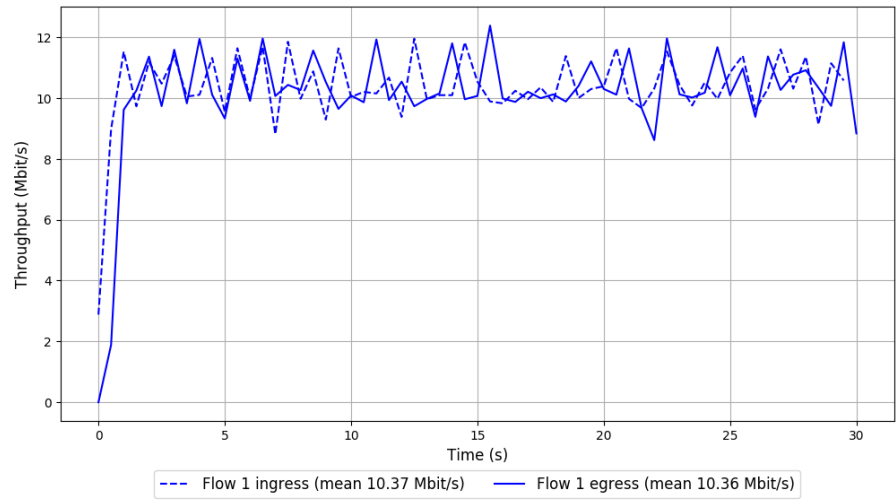
-- Flow 1:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 37.338 ms

Loss rate: 0.32%

Run 5: Report of Sprout — Data Link

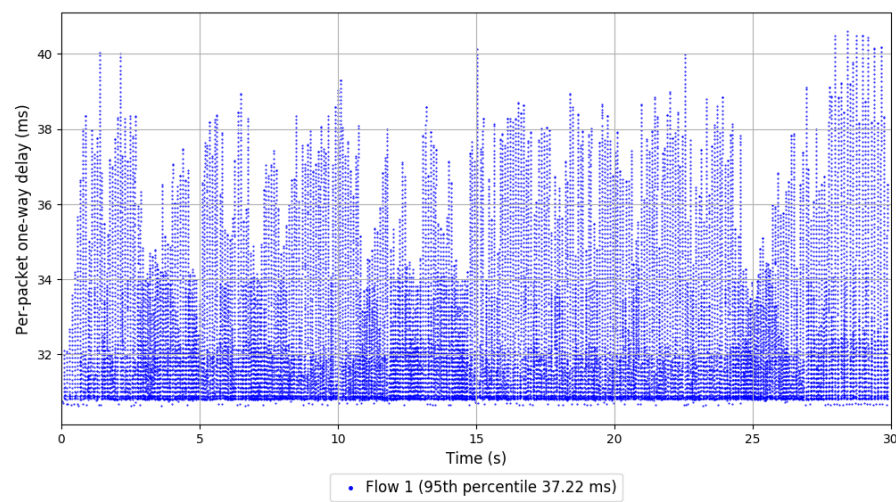
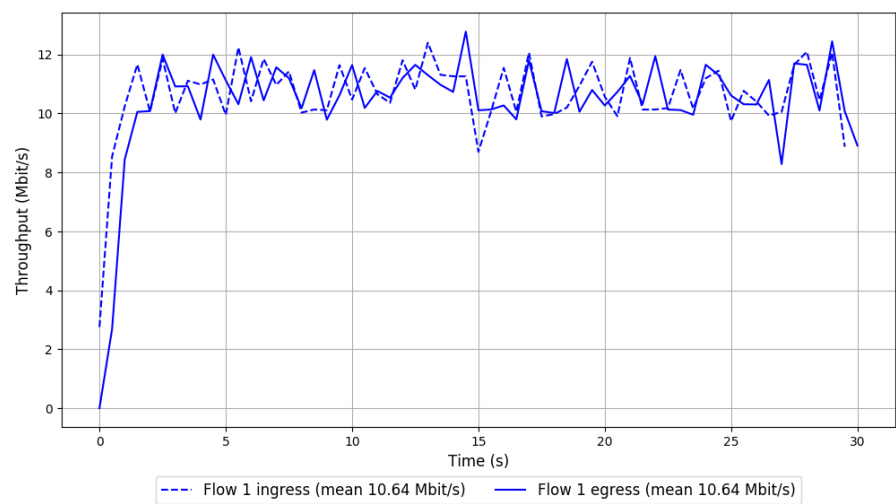


Run 6: Statistics of Sprout

Start at: 2018-08-01 18:28:30
End at: 2018-08-01 18:29:00
Local clock offset: -0.222 ms
Remote clock offset: 1.732 ms

Below is generated by plot.py at 2018-08-01 20:20:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 37.221 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 37.221 ms
Loss rate: 0.31%

Run 6: Report of Sprout — Data Link

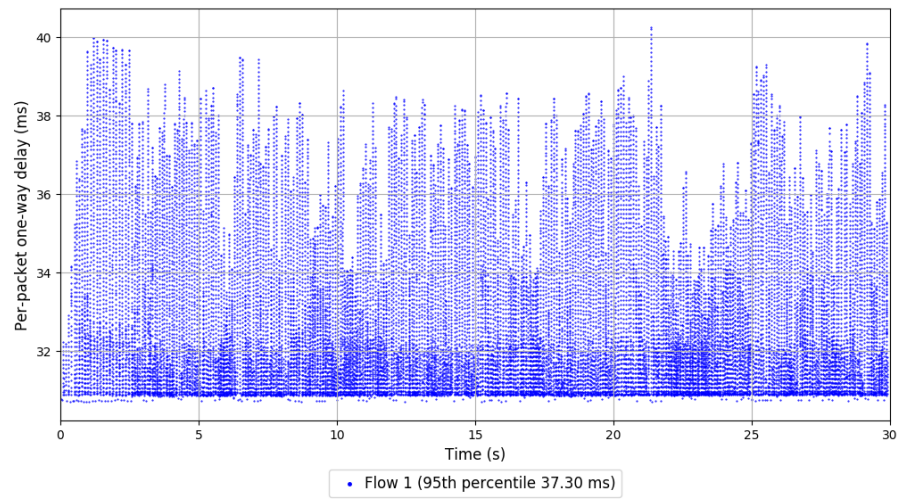
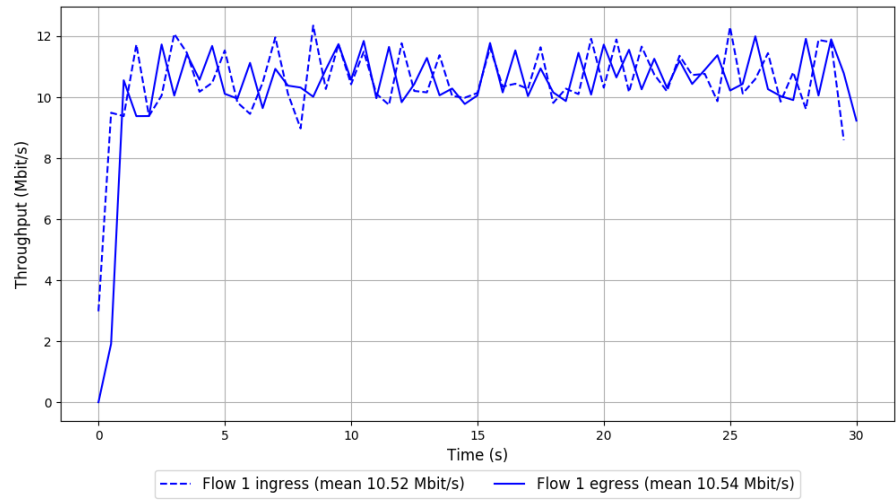


Run 7: Statistics of Sprout

Start at: 2018-08-01 18:50:46
End at: 2018-08-01 18:51:16
Local clock offset: -0.354 ms
Remote clock offset: 1.969 ms

Below is generated by plot.py at 2018-08-01 20:20:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 37.298 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 37.298 ms
Loss rate: 0.08%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-08-01 19:13:02

End at: 2018-08-01 19:13:32

Local clock offset: -0.06 ms

Remote clock offset: 2.329 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 37.281 ms

Loss rate: 0.27%

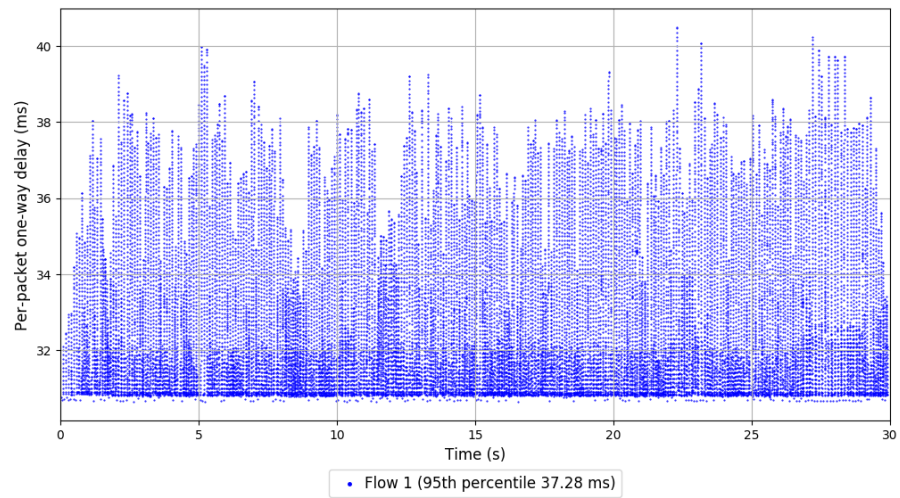
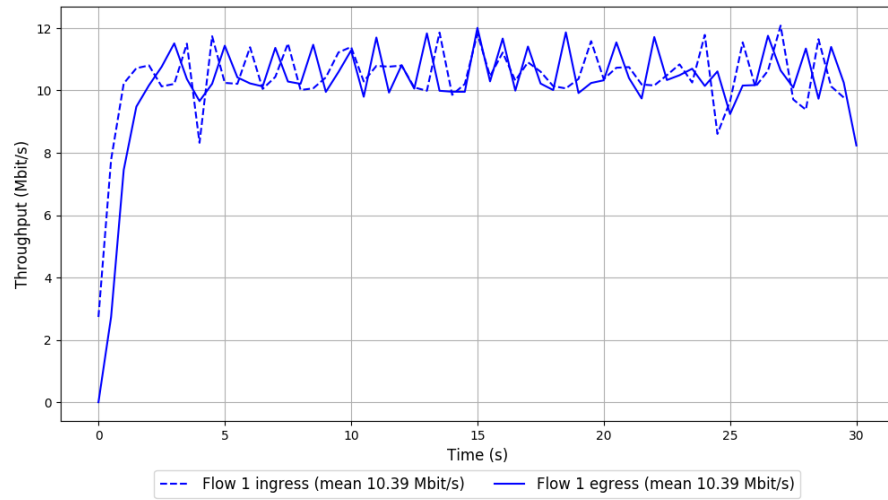
-- Flow 1:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 37.281 ms

Loss rate: 0.27%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-01 19:35:20

End at: 2018-08-01 19:35:50

Local clock offset: 0.346 ms

Remote clock offset: 2.19 ms

Below is generated by plot.py at 2018-08-01 20:20:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.46 Mbit/s

95th percentile per-packet one-way delay: 37.475 ms

Loss rate: 0.35%

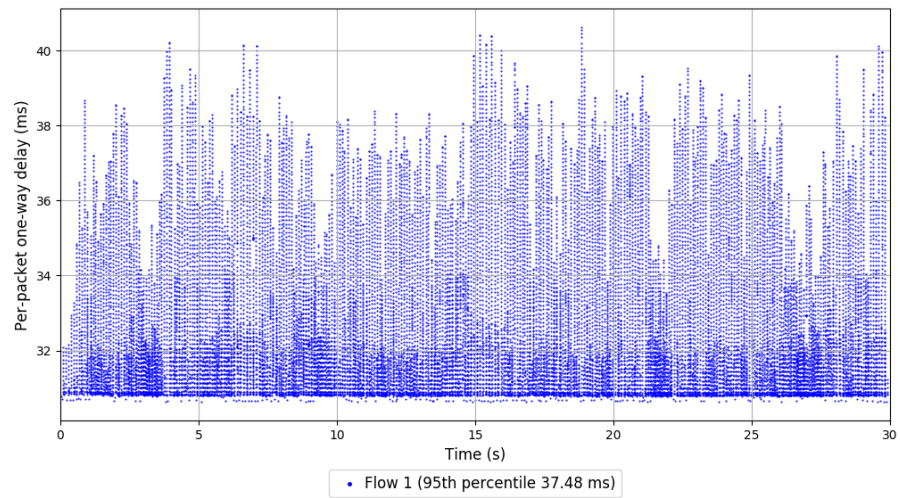
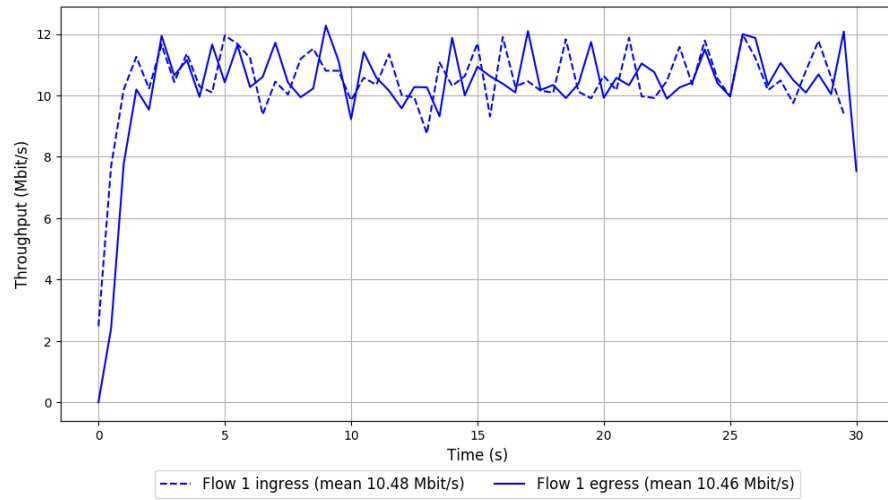
-- Flow 1:

Average throughput: 10.46 Mbit/s

95th percentile per-packet one-way delay: 37.475 ms

Loss rate: 0.35%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 19:57:40

End at: 2018-08-01 19:58:10

Local clock offset: 0.519 ms

Remote clock offset: 2.215 ms

Below is generated by plot.py at 2018-08-01 20:20:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 37.829 ms

Loss rate: 0.27%

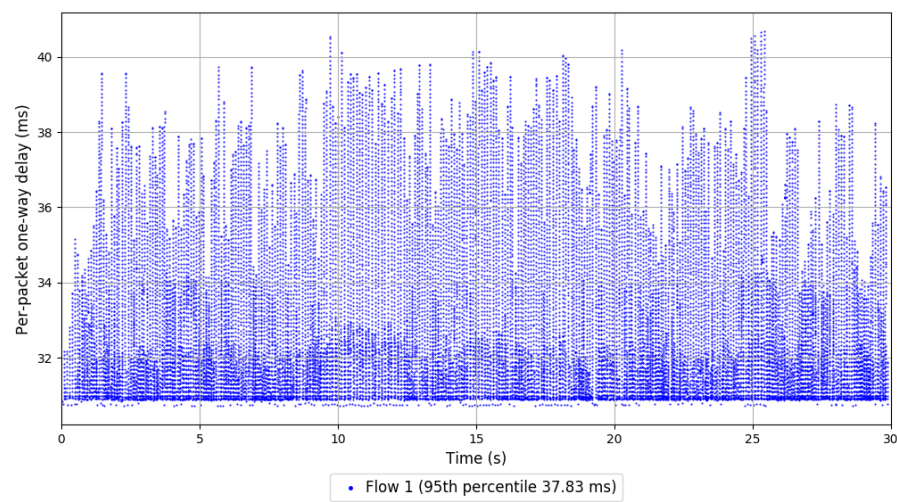
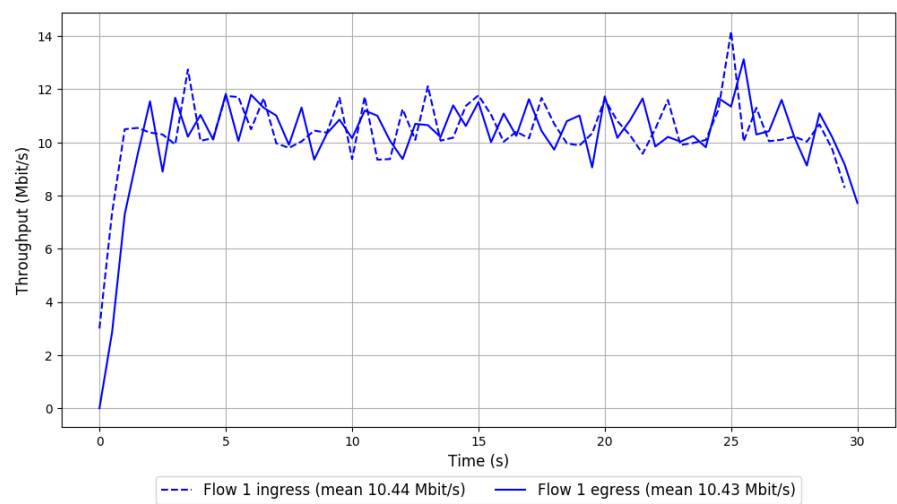
-- Flow 1:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 37.829 ms

Loss rate: 0.27%

Run 10: Report of Sprout — Data Link

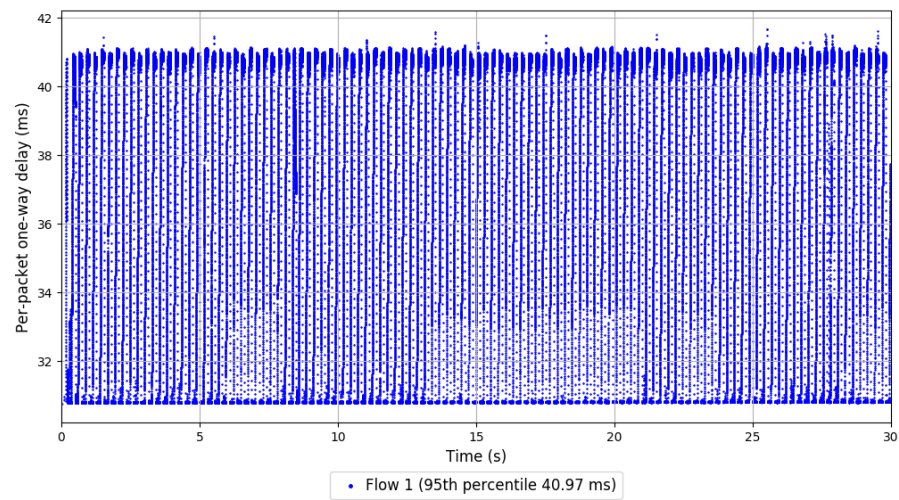
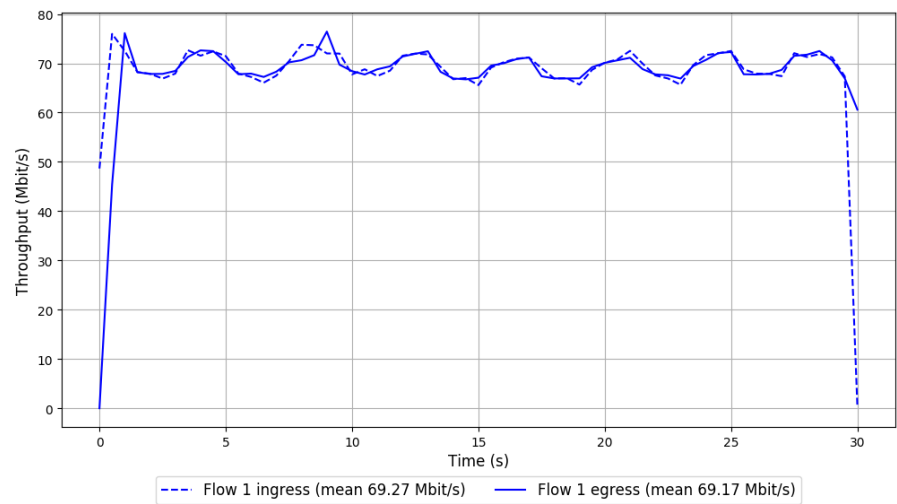


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 16:22:04
End at: 2018-08-01 16:22:34
Local clock offset: 0.371 ms
Remote clock offset: 1.582 ms

# Below is generated by plot.py at 2018-08-01 20:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 40.968 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 40.968 ms
Loss rate: 0.37%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 16:44:21

End at: 2018-08-01 16:44:51

Local clock offset: 0.107 ms

Remote clock offset: 1.724 ms

Below is generated by plot.py at 2018-08-01 20:21:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.57 Mbit/s

95th percentile per-packet one-way delay: 40.965 ms

Loss rate: 0.18%

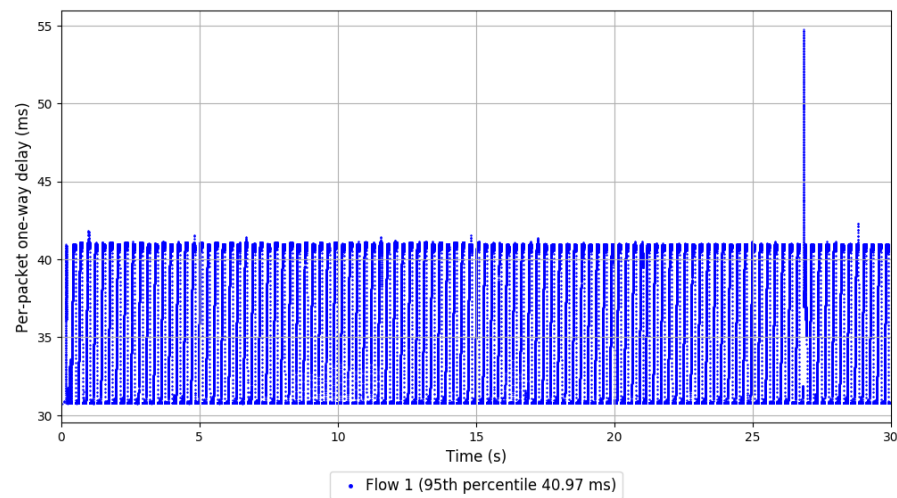
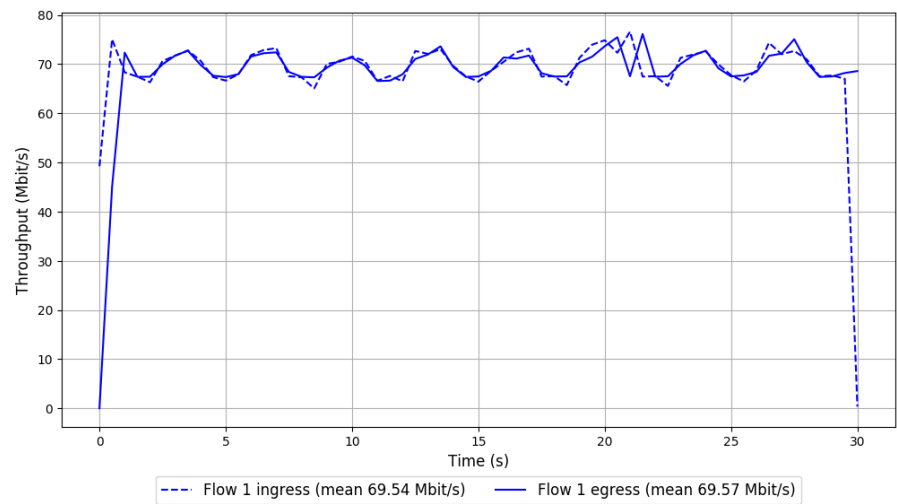
-- Flow 1:

Average throughput: 69.57 Mbit/s

95th percentile per-packet one-way delay: 40.965 ms

Loss rate: 0.18%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 17:06:39

End at: 2018-08-01 17:07:09

Local clock offset: 0.319 ms

Remote clock offset: 2.128 ms

Below is generated by plot.py at 2018-08-01 20:21:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.69 Mbit/s

95th percentile per-packet one-way delay: 40.941 ms

Loss rate: 0.13%

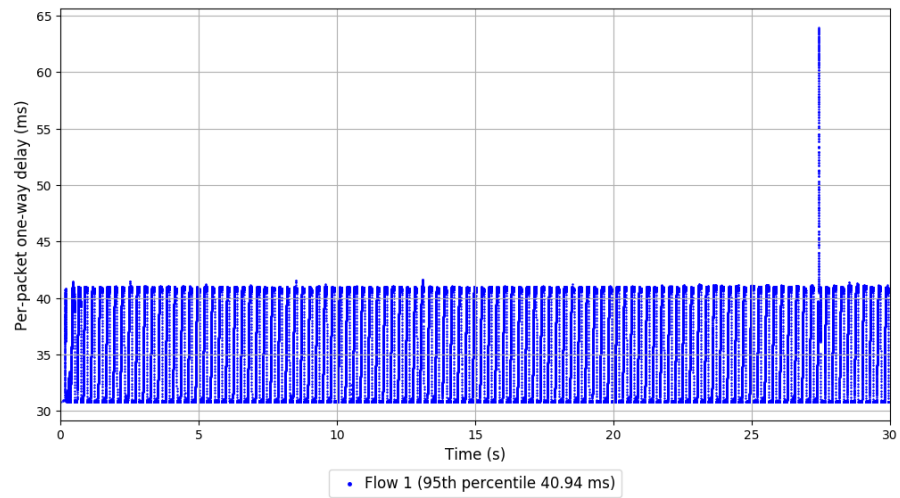
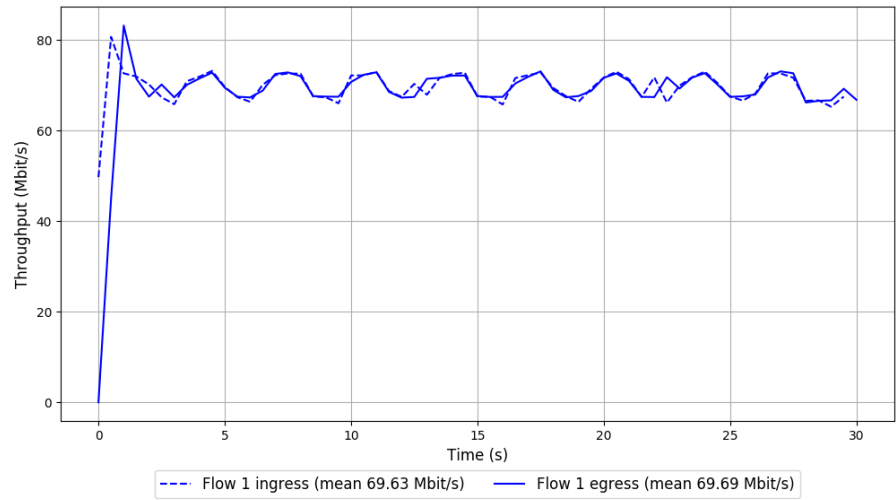
-- Flow 1:

Average throughput: 69.69 Mbit/s

95th percentile per-packet one-way delay: 40.941 ms

Loss rate: 0.13%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 17:29:14

End at: 2018-08-01 17:29:44

Local clock offset: 0.308 ms

Remote clock offset: 1.737 ms

Below is generated by plot.py at 2018-08-01 20:21:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.85 Mbit/s

95th percentile per-packet one-way delay: 41.054 ms

Loss rate: 0.16%

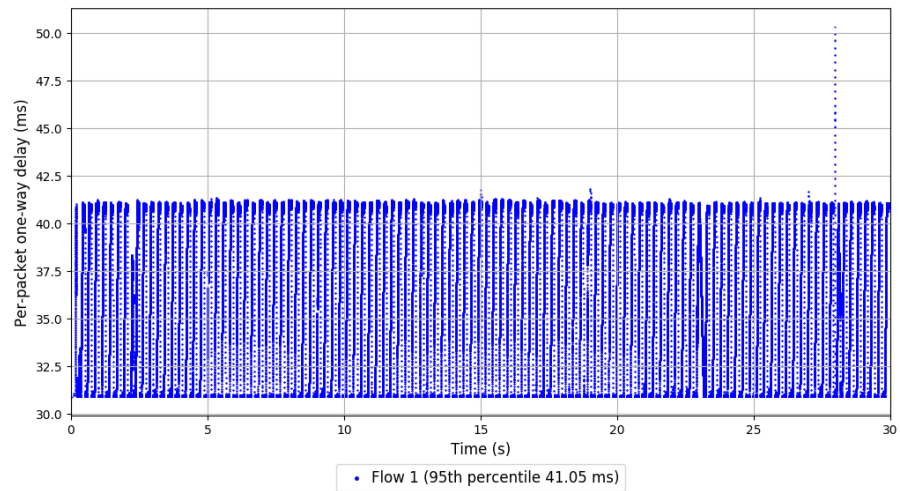
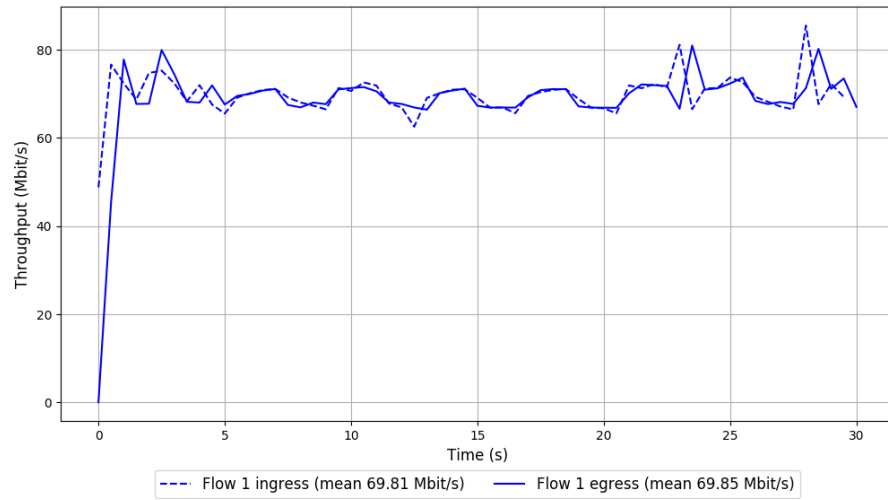
-- Flow 1:

Average throughput: 69.85 Mbit/s

95th percentile per-packet one-way delay: 41.054 ms

Loss rate: 0.16%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 17:51:32

End at: 2018-08-01 17:52:02

Local clock offset: 0.575 ms

Remote clock offset: 1.479 ms

Below is generated by plot.py at 2018-08-01 20:21:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.52 Mbit/s

95th percentile per-packet one-way delay: 40.955 ms

Loss rate: 0.14%

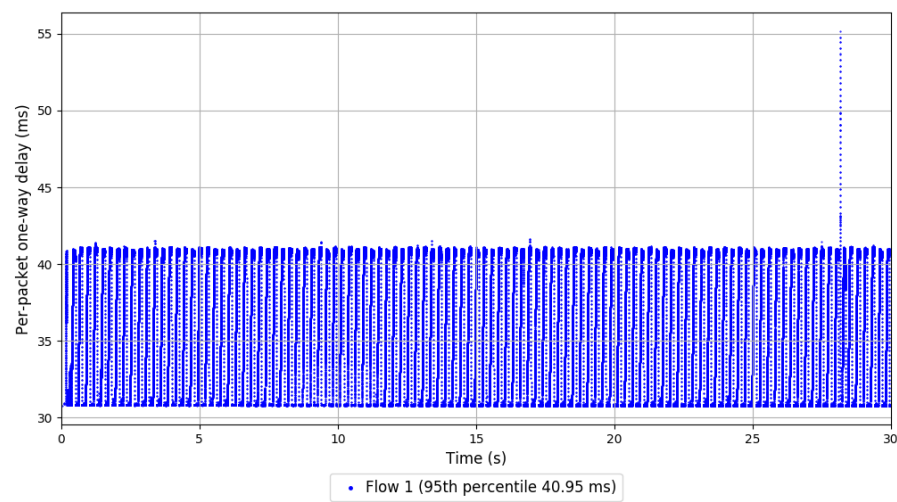
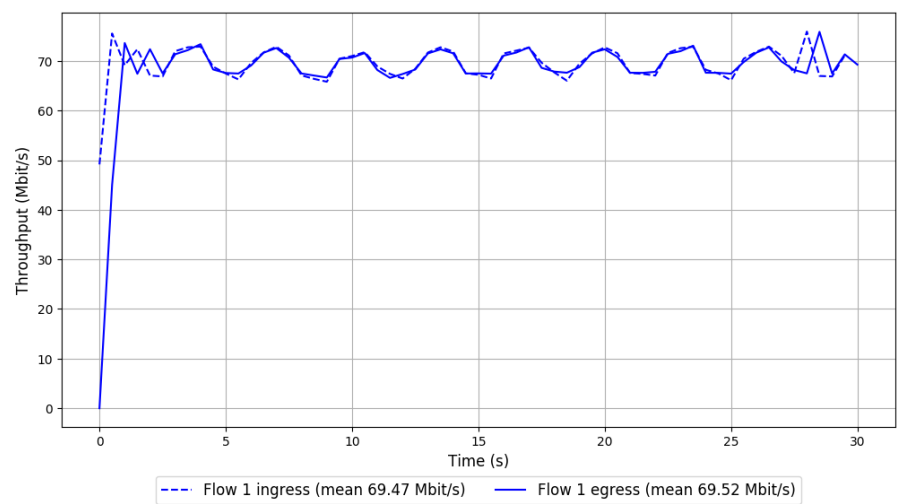
-- Flow 1:

Average throughput: 69.52 Mbit/s

95th percentile per-packet one-way delay: 40.955 ms

Loss rate: 0.14%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 18:13:59

End at: 2018-08-01 18:14:29

Local clock offset: 0.082 ms

Remote clock offset: 1.301 ms

Below is generated by plot.py at 2018-08-01 20:21:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 41.141 ms

Loss rate: 0.28%

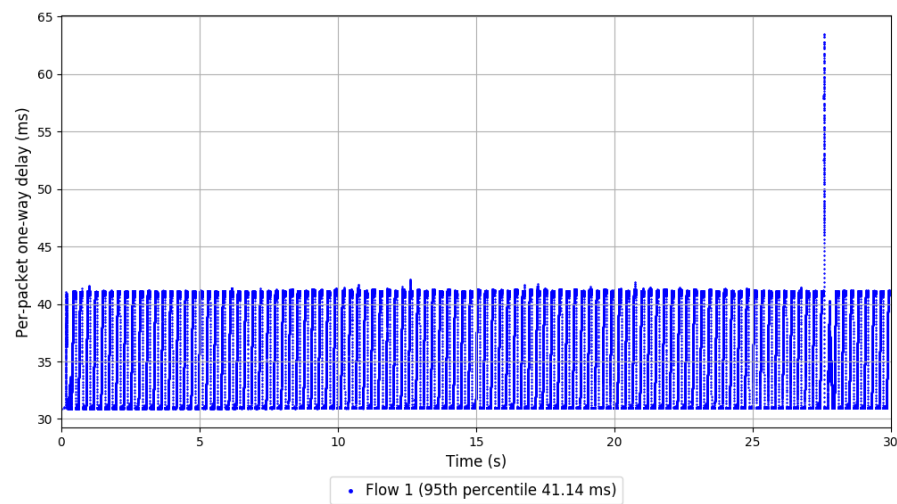
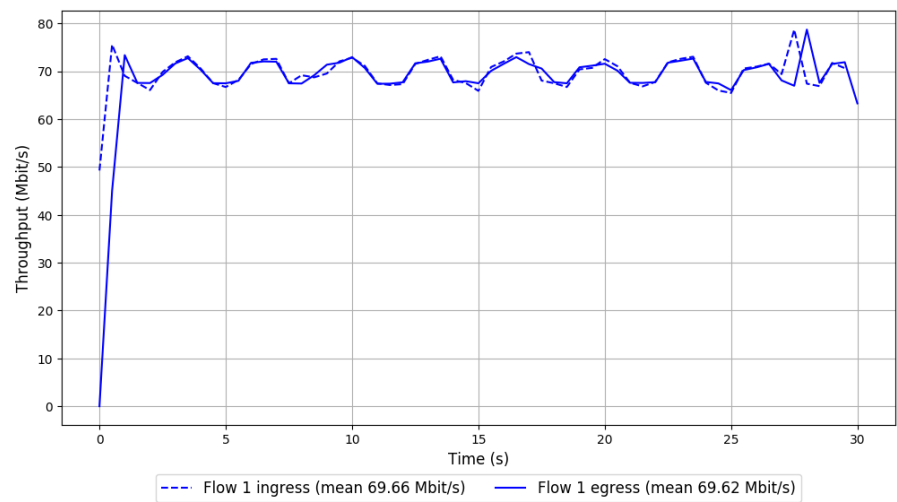
-- Flow 1:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 41.141 ms

Loss rate: 0.28%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 18:36:16

End at: 2018-08-01 18:36:46

Local clock offset: -0.276 ms

Remote clock offset: 1.798 ms

Below is generated by plot.py at 2018-08-01 20:21:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 40.815 ms

Loss rate: 0.35%

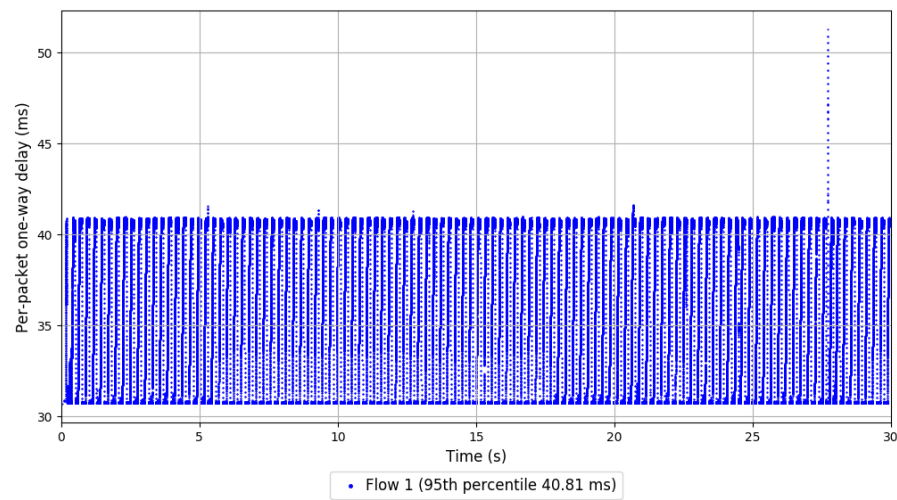
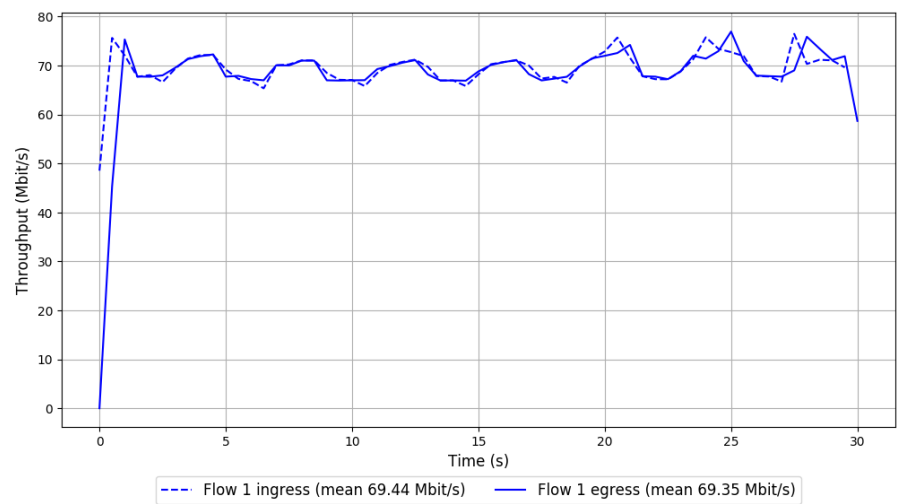
-- Flow 1:

Average throughput: 69.35 Mbit/s

95th percentile per-packet one-way delay: 40.815 ms

Loss rate: 0.35%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 18:58:32

End at: 2018-08-01 18:59:02

Local clock offset: -0.178 ms

Remote clock offset: 2.149 ms

Below is generated by plot.py at 2018-08-01 20:21:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.87 Mbit/s

95th percentile per-packet one-way delay: 40.969 ms

Loss rate: 0.38%

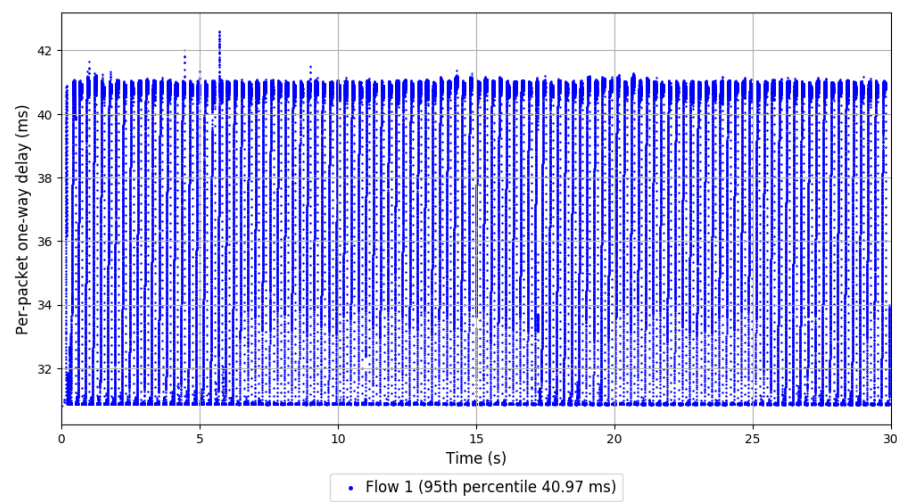
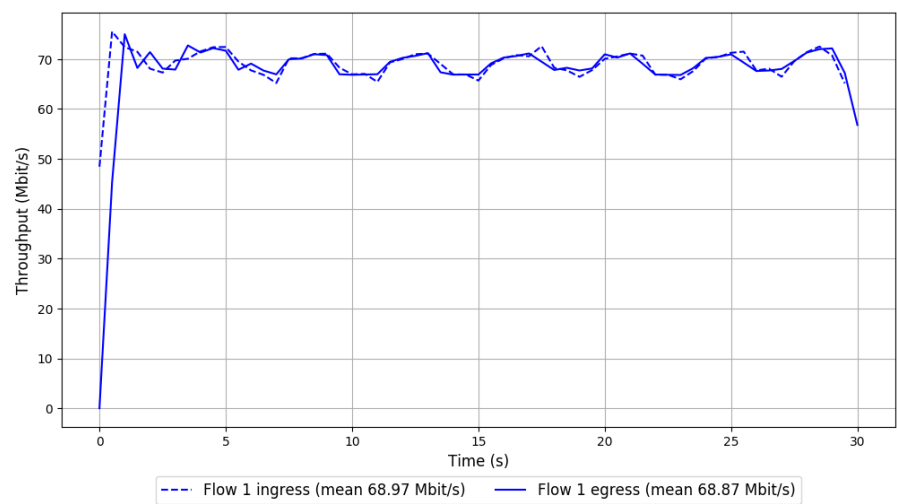
-- Flow 1:

Average throughput: 68.87 Mbit/s

95th percentile per-packet one-way delay: 40.969 ms

Loss rate: 0.38%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 19:20:49

End at: 2018-08-01 19:21:19

Local clock offset: 0.103 ms

Remote clock offset: 2.425 ms

Below is generated by plot.py at 2018-08-01 20:23:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.06 Mbit/s

95th percentile per-packet one-way delay: 40.880 ms

Loss rate: 0.38%

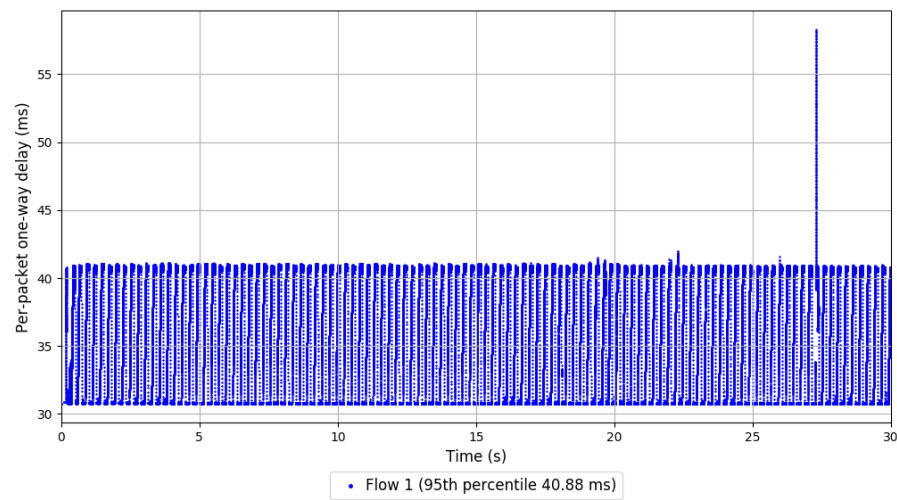
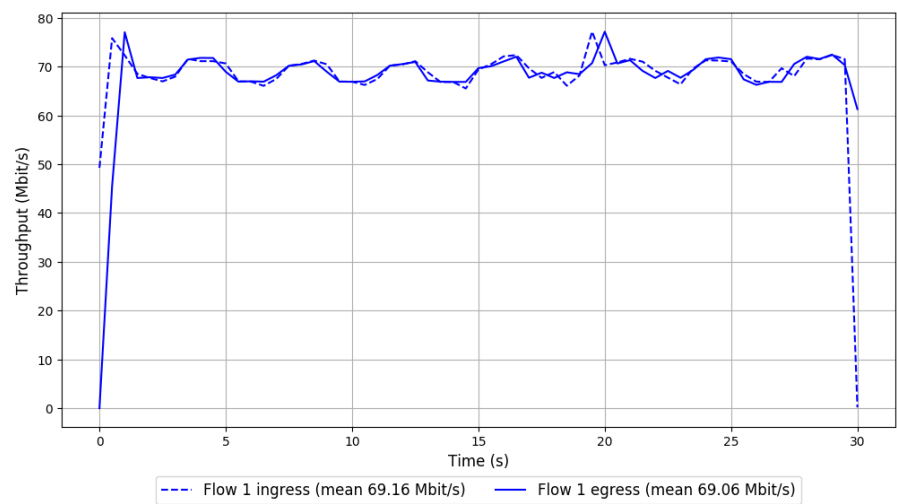
-- Flow 1:

Average throughput: 69.06 Mbit/s

95th percentile per-packet one-way delay: 40.880 ms

Loss rate: 0.38%

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

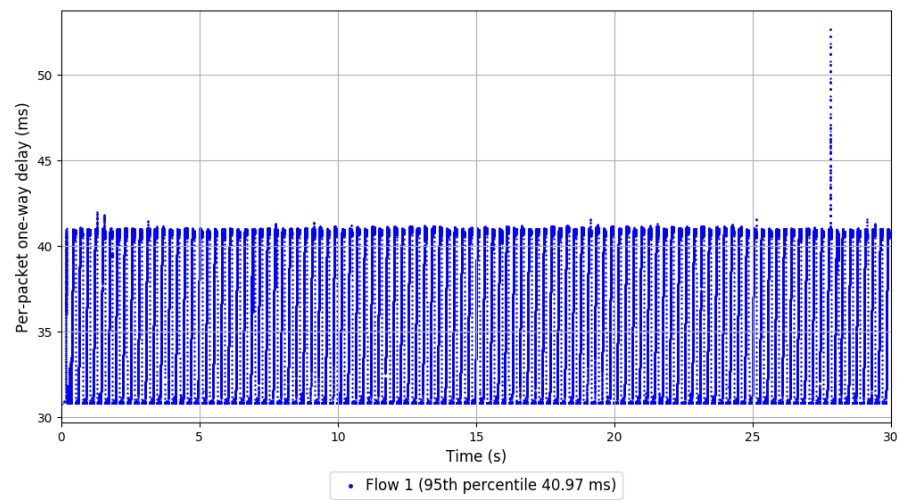
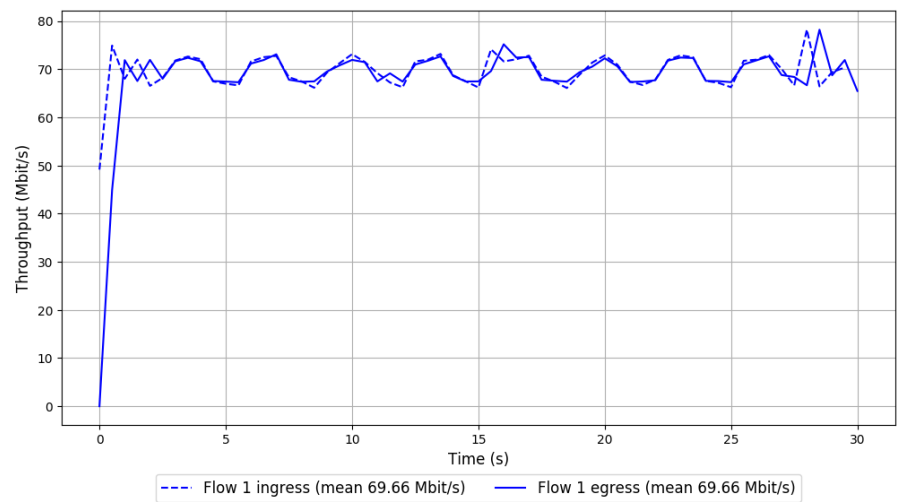


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 19:43:08
End at: 2018-08-01 19:43:38
Local clock offset: 0.503 ms
Remote clock offset: 2.144 ms

# Below is generated by plot.py at 2018-08-01 20:23:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 40.970 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 40.970 ms
Loss rate: 0.21%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 16:27:22

End at: 2018-08-01 16:27:52

Local clock offset: 0.317 ms

Remote clock offset: 1.771 ms

Below is generated by plot.py at 2018-08-01 20:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 32.921 ms

Loss rate: 0.23%

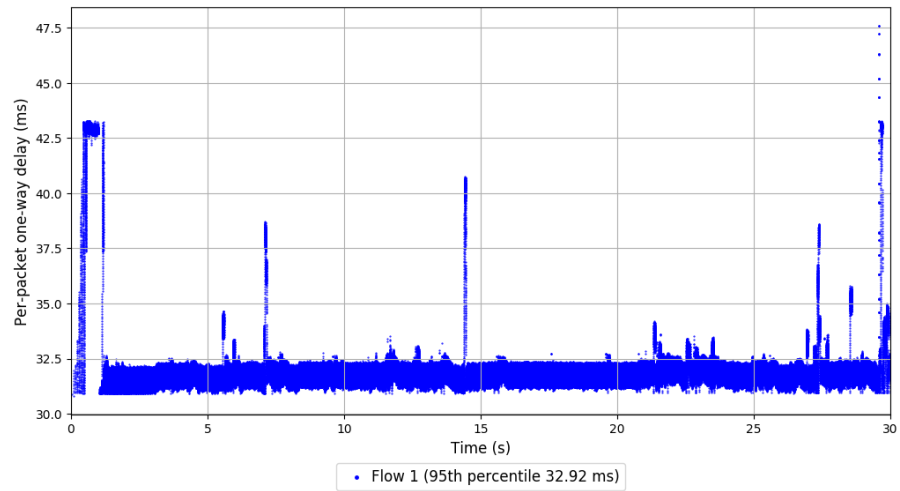
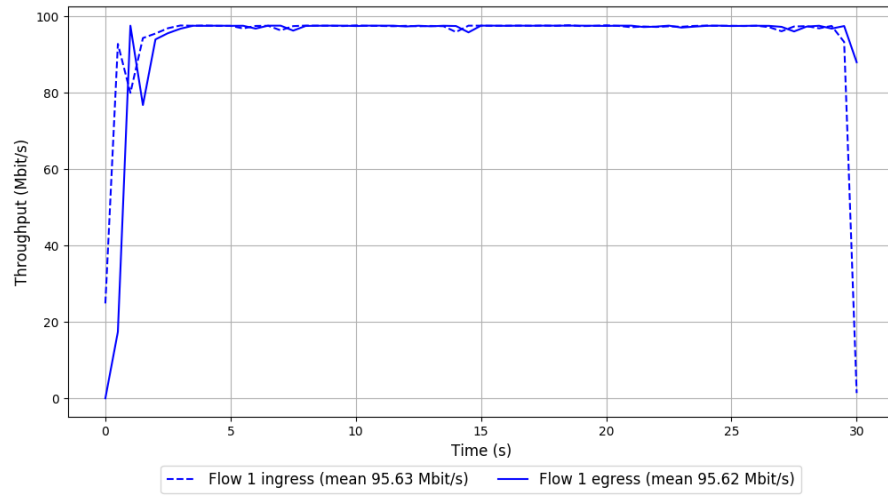
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 32.921 ms

Loss rate: 0.23%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 16:49:41

End at: 2018-08-01 16:50:11

Local clock offset: 0.193 ms

Remote clock offset: 1.982 ms

Below is generated by plot.py at 2018-08-01 20:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 32.484 ms

Loss rate: 0.25%

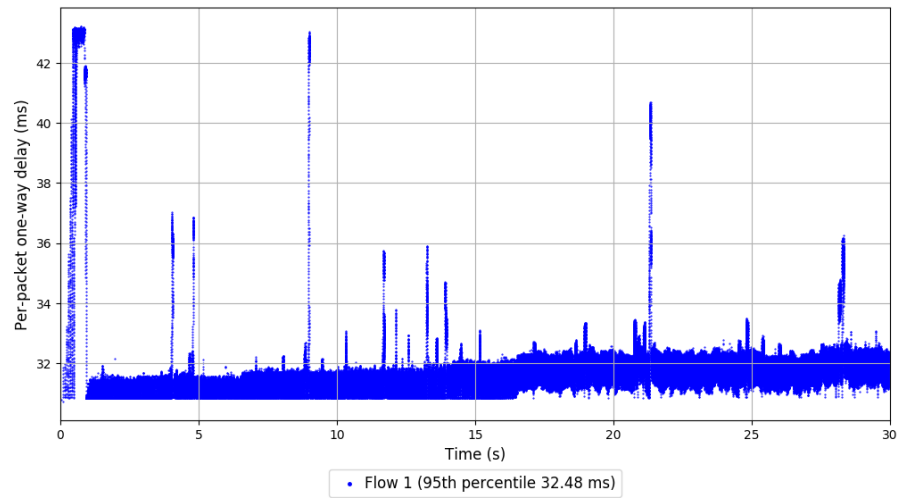
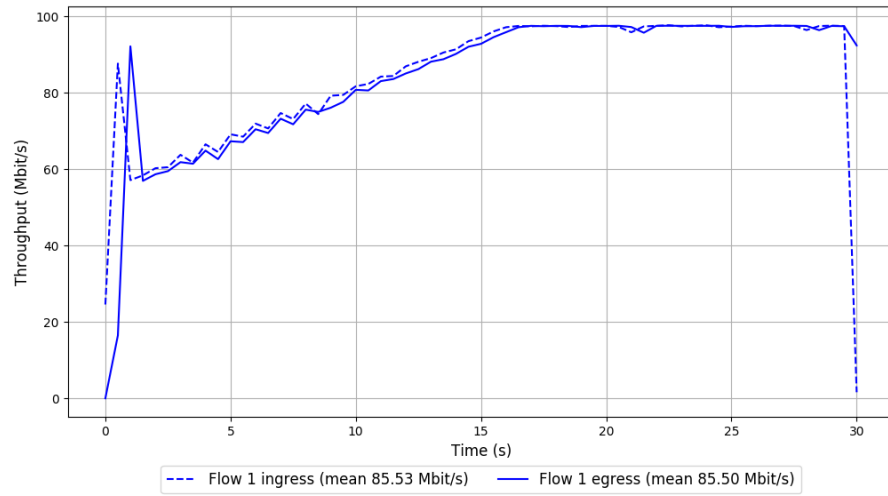
-- Flow 1:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 32.484 ms

Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 17:12:02

End at: 2018-08-01 17:12:32

Local clock offset: 0.247 ms

Remote clock offset: 2.048 ms

Below is generated by plot.py at 2018-08-01 20:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 32.212 ms

Loss rate: 0.23%

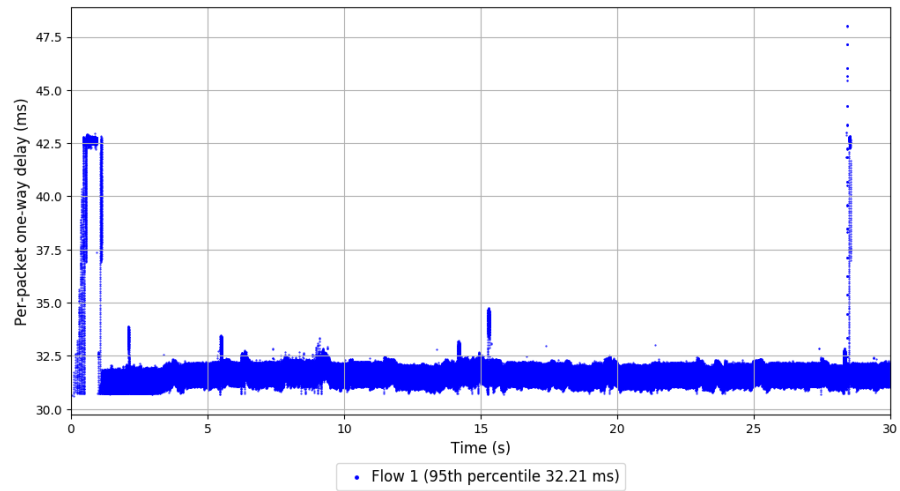
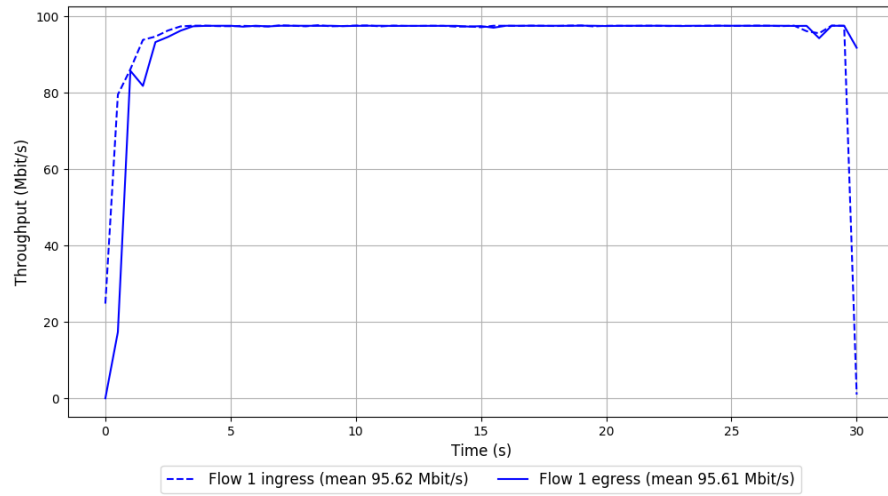
-- Flow 1:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 32.212 ms

Loss rate: 0.23%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 17:34:33

End at: 2018-08-01 17:35:03

Local clock offset: 0.324 ms

Remote clock offset: 1.677 ms

Below is generated by plot.py at 2018-08-01 20:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.69 Mbit/s

95th percentile per-packet one-way delay: 32.495 ms

Loss rate: 0.25%

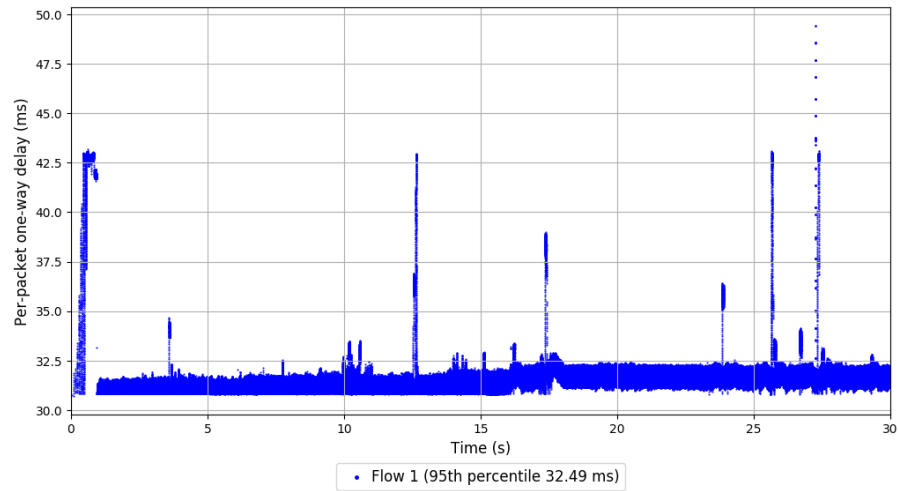
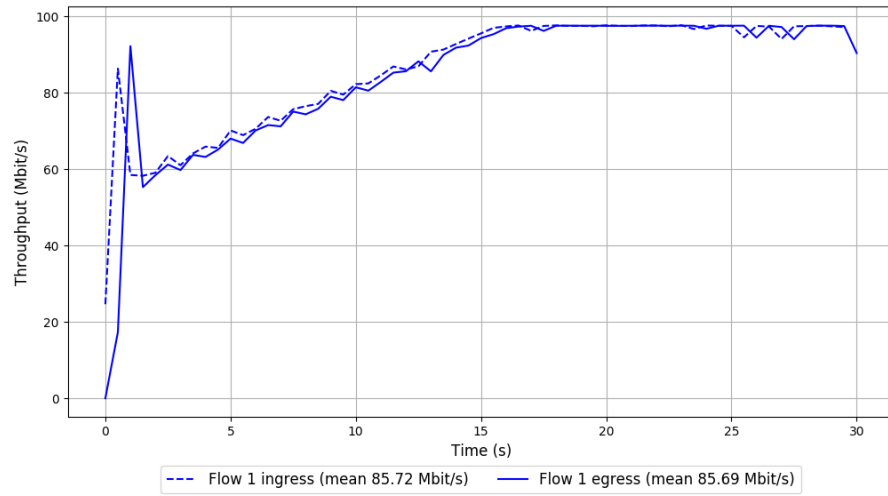
-- Flow 1:

Average throughput: 85.69 Mbit/s

95th percentile per-packet one-way delay: 32.495 ms

Loss rate: 0.25%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 17:56:55

End at: 2018-08-01 17:57:25

Local clock offset: 0.407 ms

Remote clock offset: 1.432 ms

Below is generated by plot.py at 2018-08-01 20:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 32.272 ms

Loss rate: 0.25%

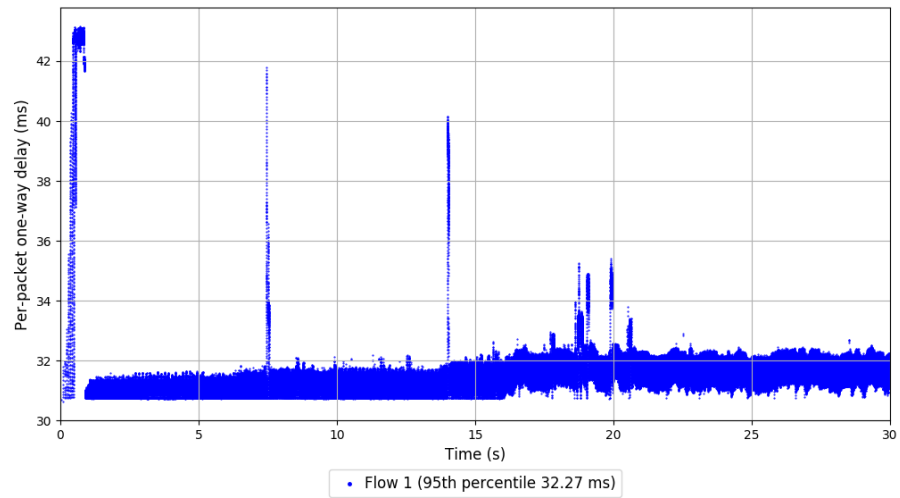
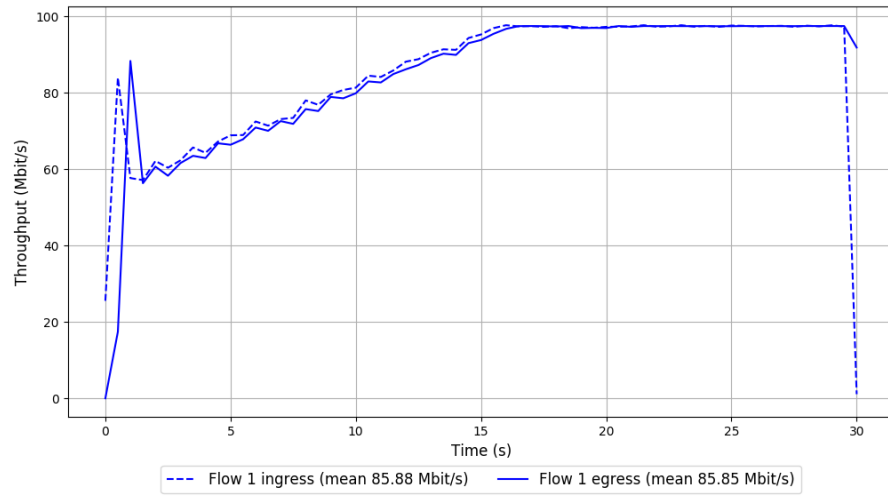
-- Flow 1:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 32.272 ms

Loss rate: 0.25%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 18:19:18

End at: 2018-08-01 18:19:48

Local clock offset: -0.162 ms

Remote clock offset: 1.604 ms

Below is generated by plot.py at 2018-08-01 20:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 32.270 ms

Loss rate: 0.26%

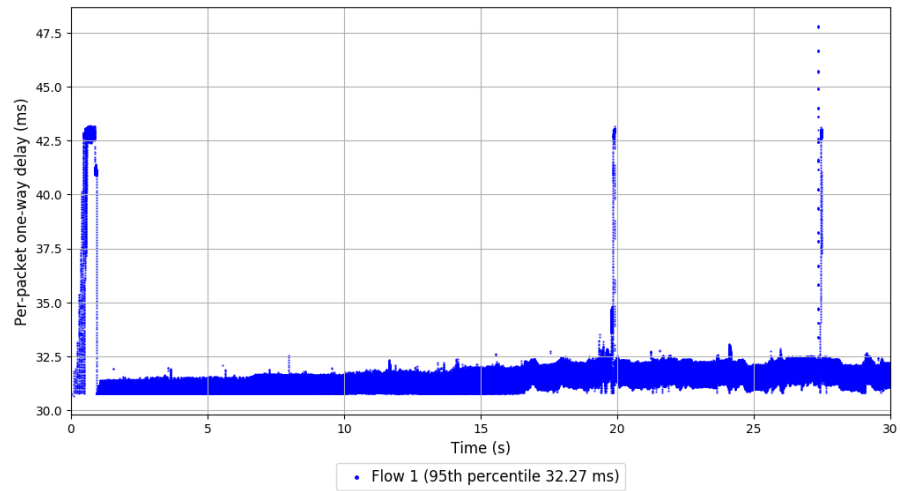
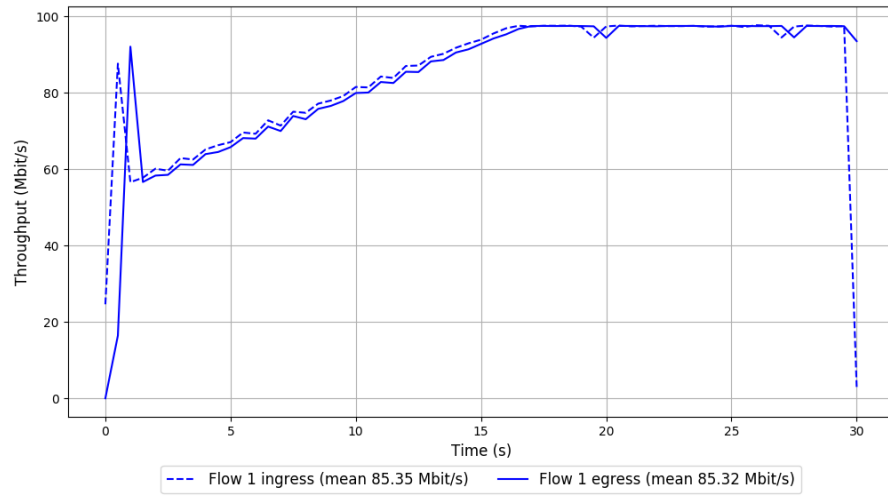
-- Flow 1:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 32.270 ms

Loss rate: 0.26%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 18:41:35

End at: 2018-08-01 18:42:05

Local clock offset: -0.321 ms

Remote clock offset: 1.848 ms

Below is generated by plot.py at 2018-08-01 20:23:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 32.173 ms

Loss rate: 0.25%

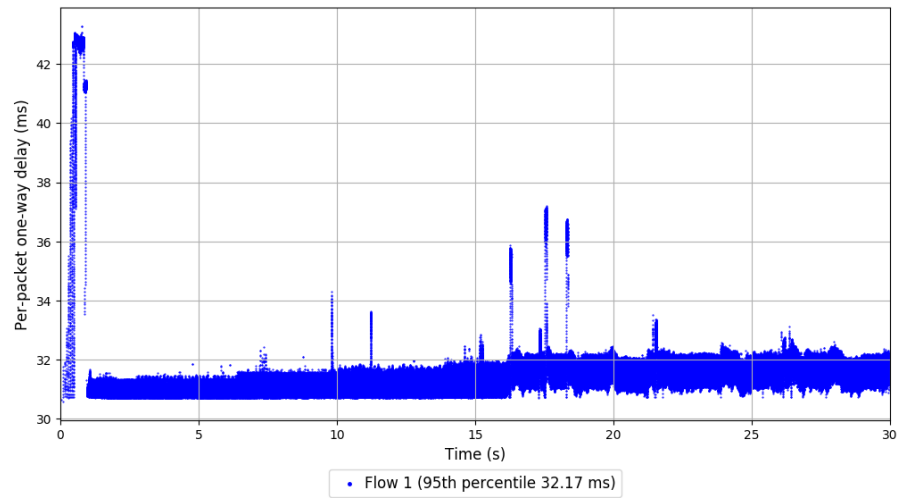
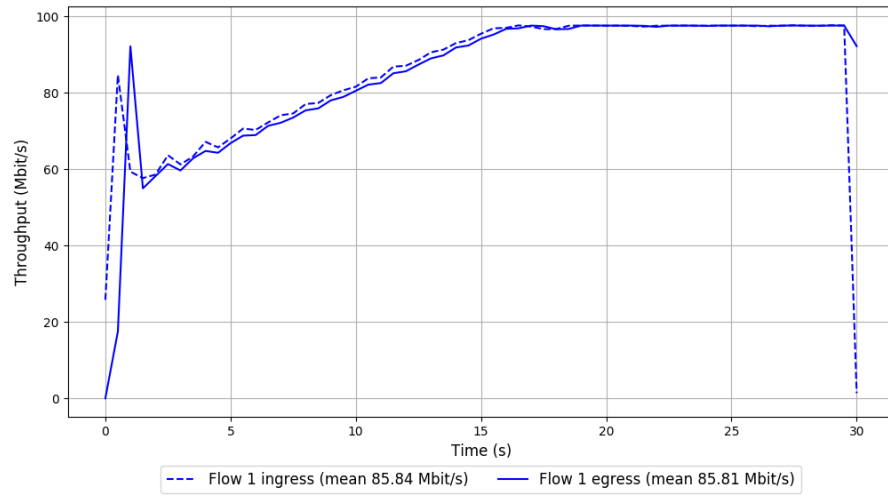
-- Flow 1:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 32.173 ms

Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 19:03:51

End at: 2018-08-01 19:04:21

Local clock offset: -0.061 ms

Remote clock offset: 2.264 ms

Below is generated by plot.py at 2018-08-01 20:23:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.94 Mbit/s

95th percentile per-packet one-way delay: 32.190 ms

Loss rate: 0.25%

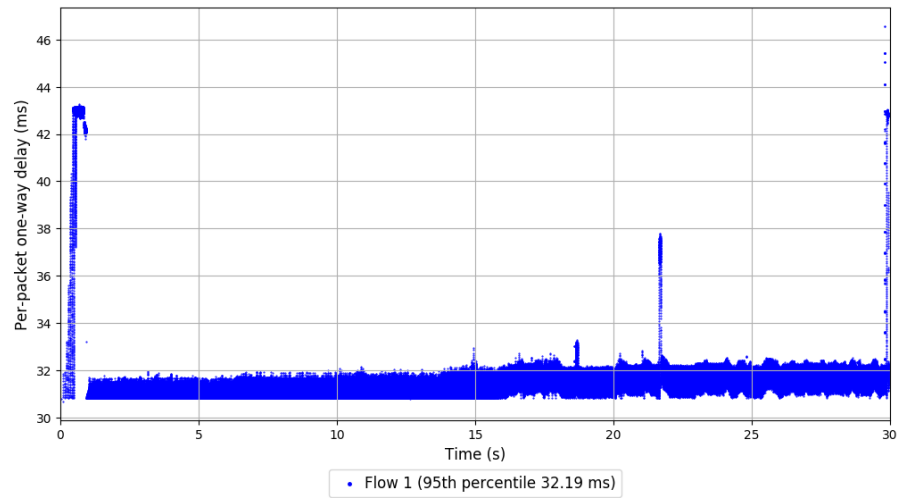
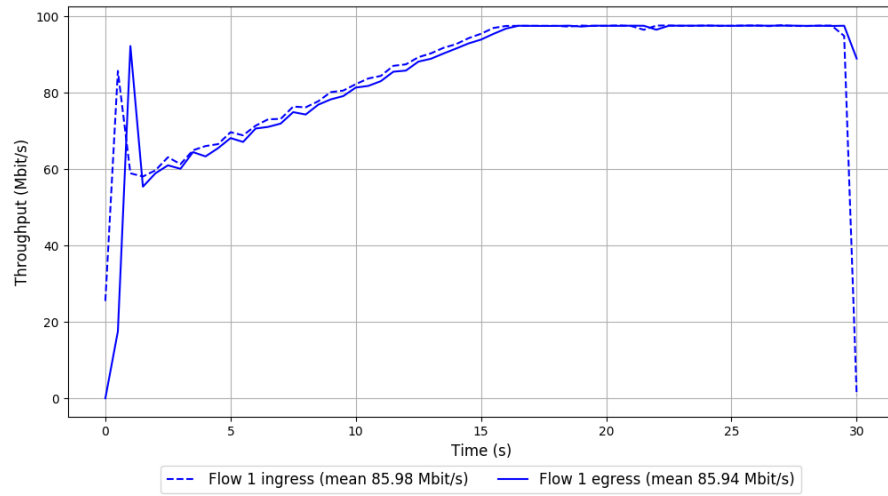
-- Flow 1:

Average throughput: 85.94 Mbit/s

95th percentile per-packet one-way delay: 32.190 ms

Loss rate: 0.25%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 19:26:09

End at: 2018-08-01 19:26:39

Local clock offset: 0.192 ms

Remote clock offset: 2.276 ms

Below is generated by plot.py at 2018-08-01 20:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 32.340 ms

Loss rate: 0.26%

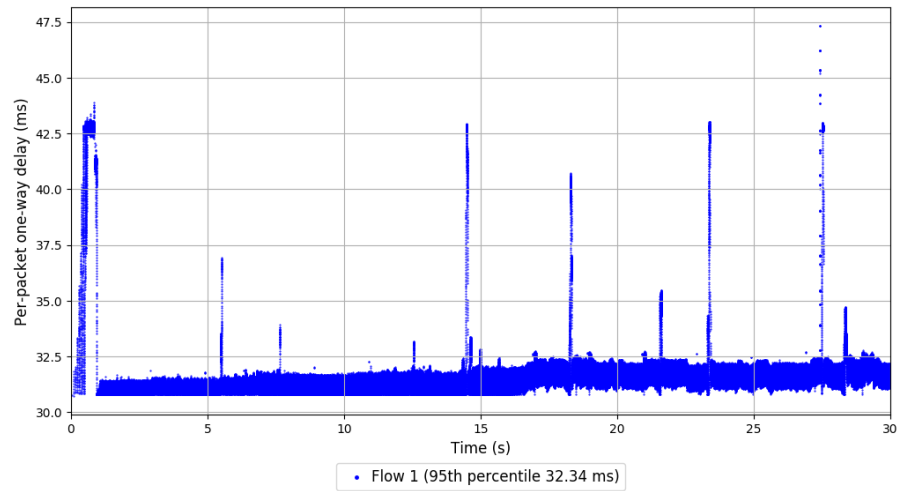
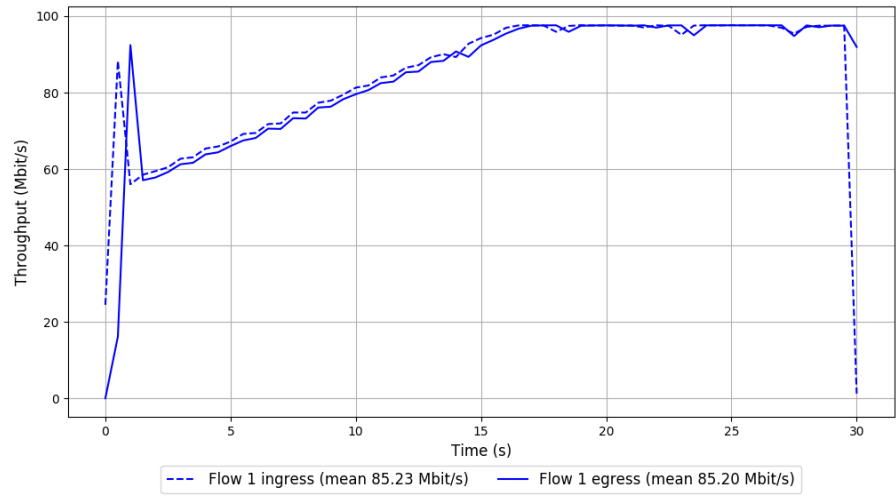
-- Flow 1:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 32.340 ms

Loss rate: 0.26%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 19:48:28

End at: 2018-08-01 19:48:58

Local clock offset: 0.597 ms

Remote clock offset: 2.265 ms

Below is generated by plot.py at 2018-08-01 20:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.11 Mbit/s

95th percentile per-packet one-way delay: 31.399 ms

Loss rate: 0.26%

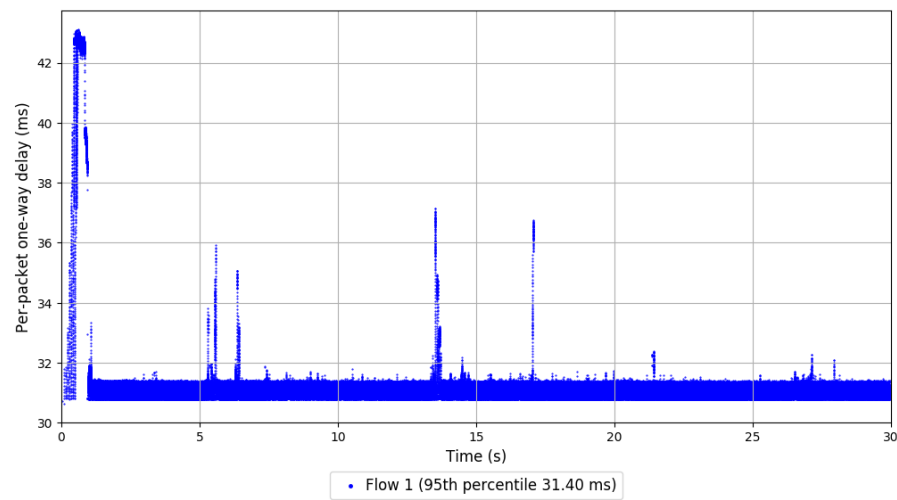
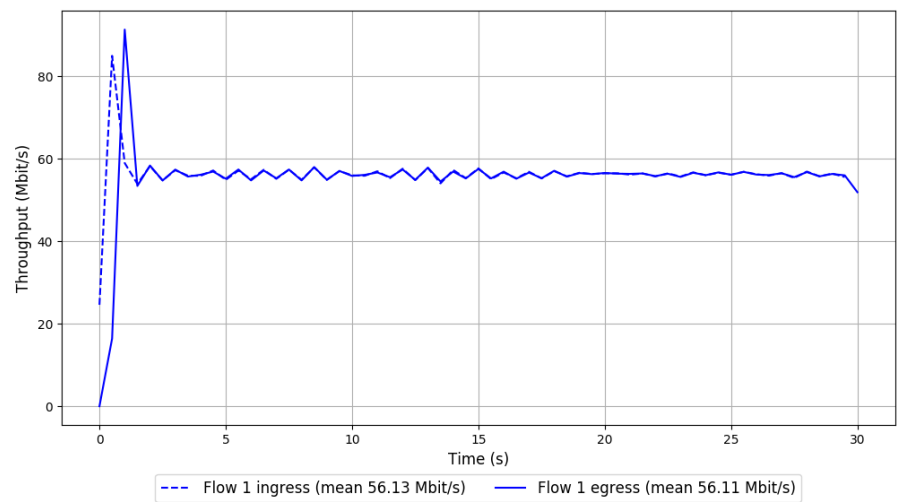
-- Flow 1:

Average throughput: 56.11 Mbit/s

95th percentile per-packet one-way delay: 31.399 ms

Loss rate: 0.26%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-01 16:35:13

End at: 2018-08-01 16:35:43

Local clock offset: 0.237 ms

Remote clock offset: 1.578 ms

Below is generated by plot.py at 2018-08-01 20:23:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 42.992 ms

Loss rate: 0.46%

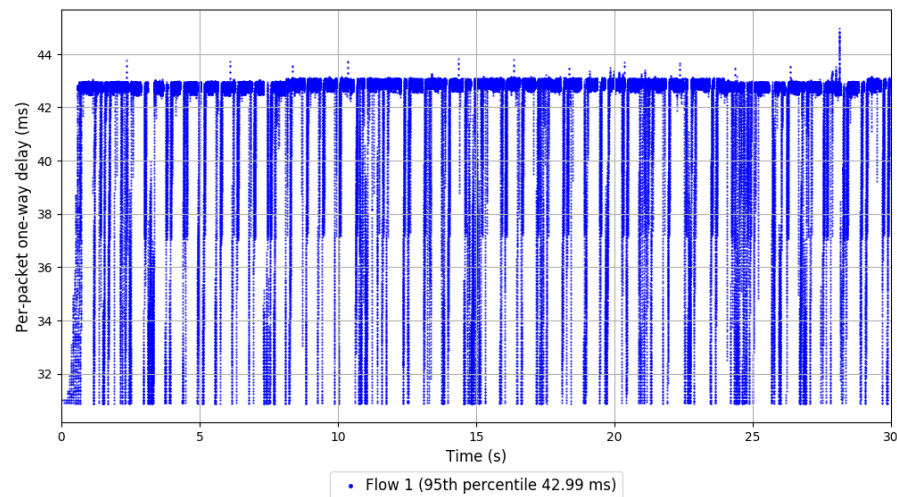
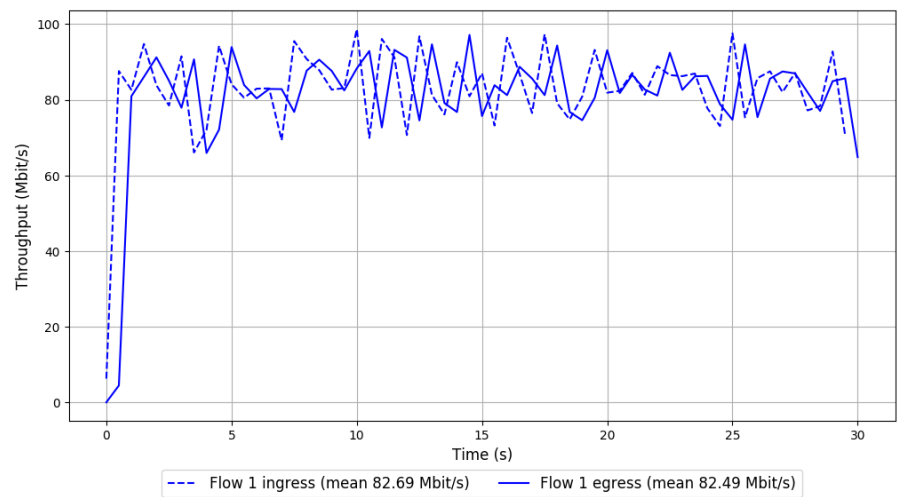
-- Flow 1:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 42.992 ms

Loss rate: 0.46%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-01 16:57:32

End at: 2018-08-01 16:58:02

Local clock offset: 0.234 ms

Remote clock offset: 2.145 ms

Below is generated by plot.py at 2018-08-01 20:23:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.29 Mbit/s

95th percentile per-packet one-way delay: 42.944 ms

Loss rate: 0.44%

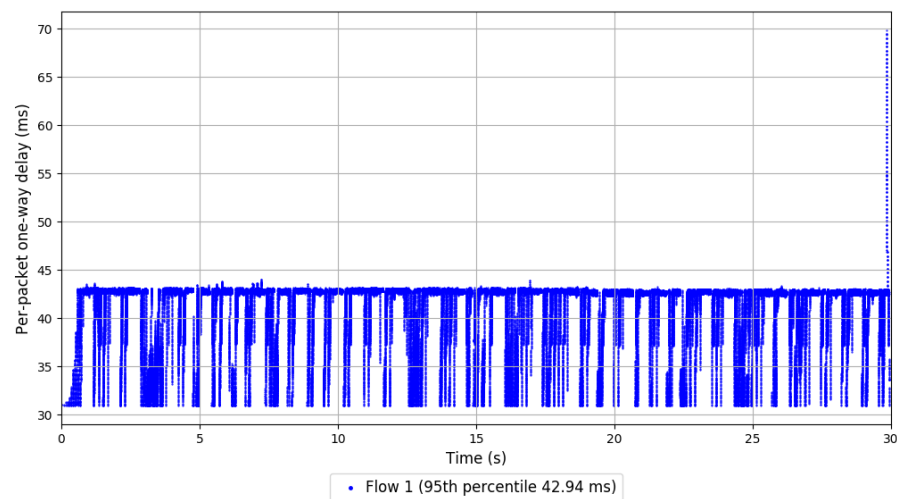
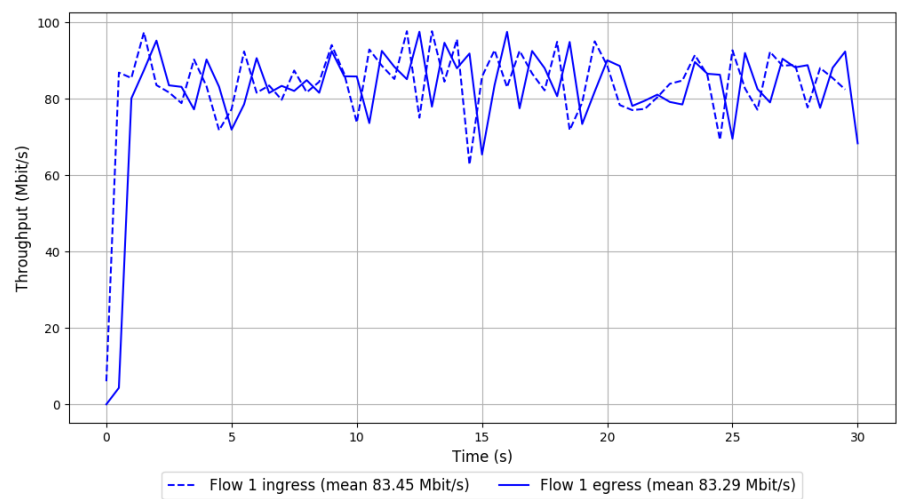
-- Flow 1:

Average throughput: 83.29 Mbit/s

95th percentile per-packet one-way delay: 42.944 ms

Loss rate: 0.44%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-01 17:20:03

End at: 2018-08-01 17:20:33

Local clock offset: 0.349 ms

Remote clock offset: 1.899 ms

Below is generated by plot.py at 2018-08-01 20:24:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.31 Mbit/s

95th percentile per-packet one-way delay: 42.841 ms

Loss rate: 0.37%

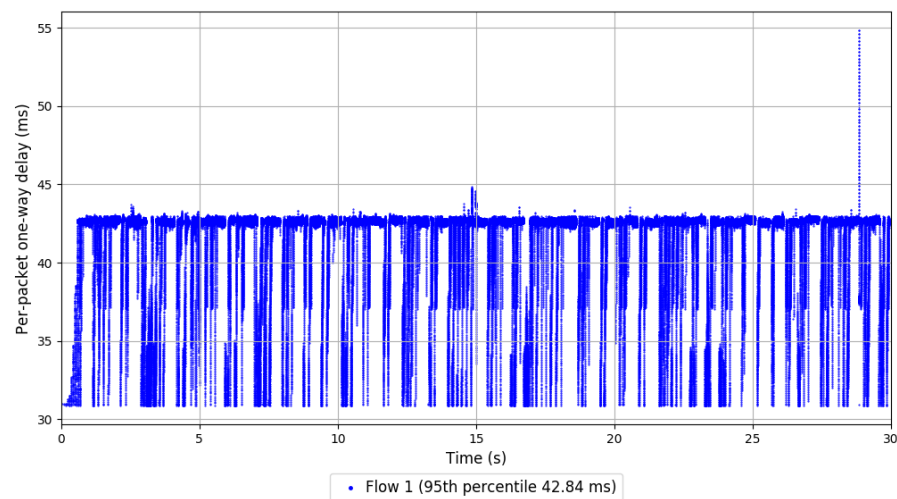
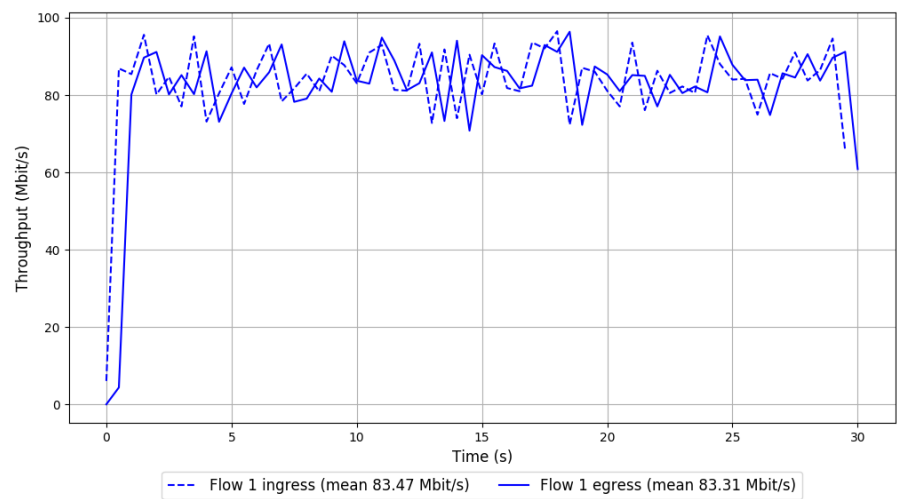
-- Flow 1:

Average throughput: 83.31 Mbit/s

95th percentile per-packet one-way delay: 42.841 ms

Loss rate: 0.37%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-01 17:42:26

End at: 2018-08-01 17:42:56

Local clock offset: 0.406 ms

Remote clock offset: 1.564 ms

Below is generated by plot.py at 2018-08-01 20:24:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.07 Mbit/s

95th percentile per-packet one-way delay: 42.904 ms

Loss rate: 0.38%

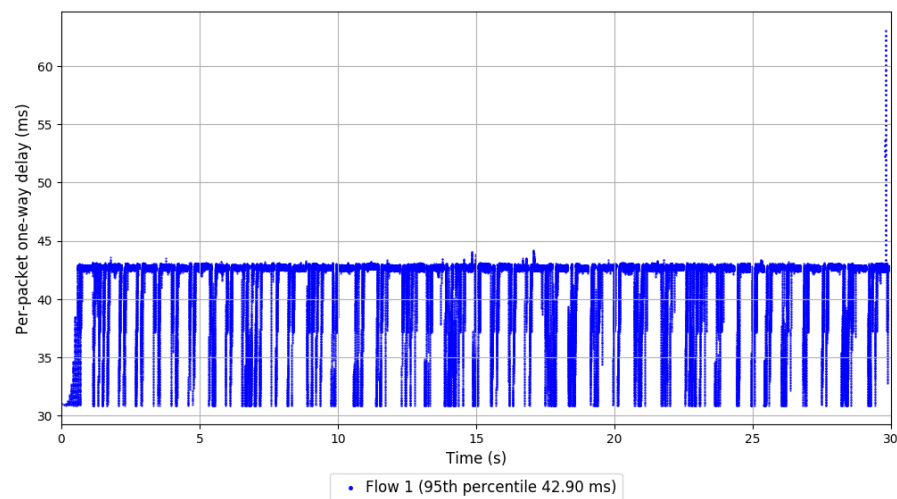
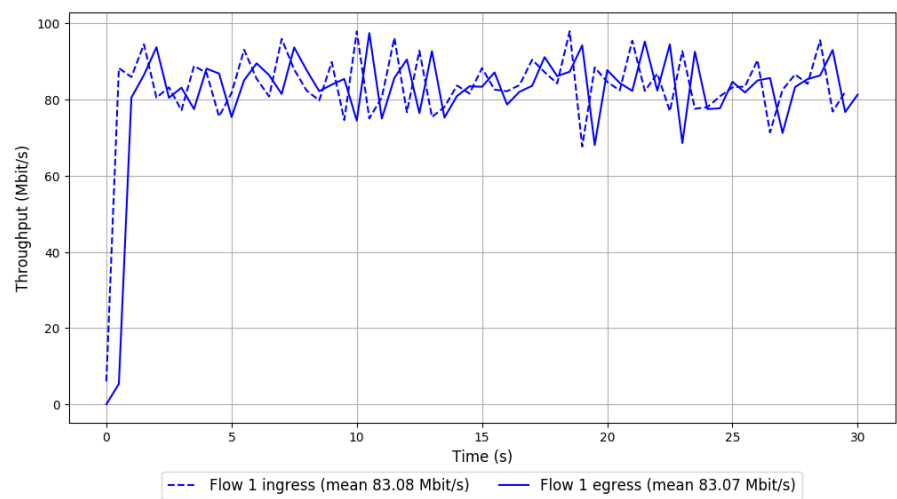
-- Flow 1:

Average throughput: 83.07 Mbit/s

95th percentile per-packet one-way delay: 42.904 ms

Loss rate: 0.38%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-01 18:04:52

End at: 2018-08-01 18:05:22

Local clock offset: 0.325 ms

Remote clock offset: 1.272 ms

Below is generated by plot.py at 2018-08-01 20:24:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 42.925 ms

Loss rate: 0.40%

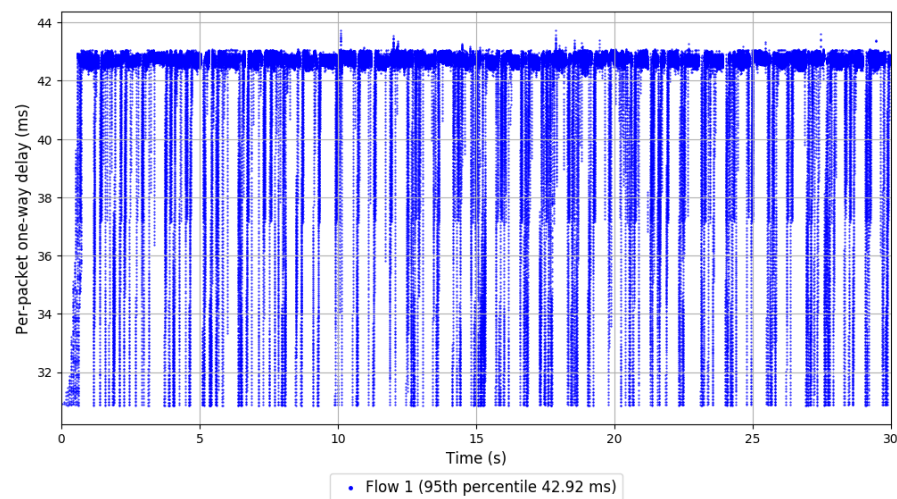
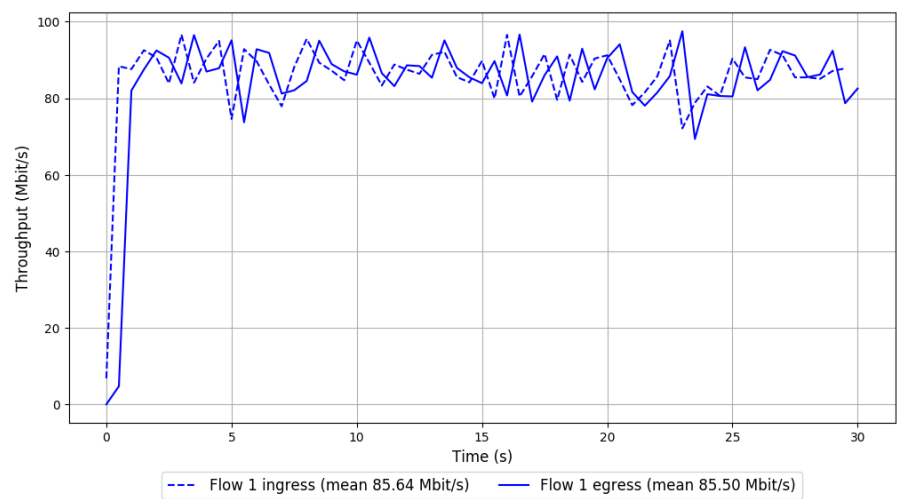
-- Flow 1:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 42.925 ms

Loss rate: 0.40%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-01 18:27:10

End at: 2018-08-01 18:27:40

Local clock offset: -0.122 ms

Remote clock offset: 1.676 ms

Below is generated by plot.py at 2018-08-01 20:24:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.82 Mbit/s

95th percentile per-packet one-way delay: 42.929 ms

Loss rate: 0.47%

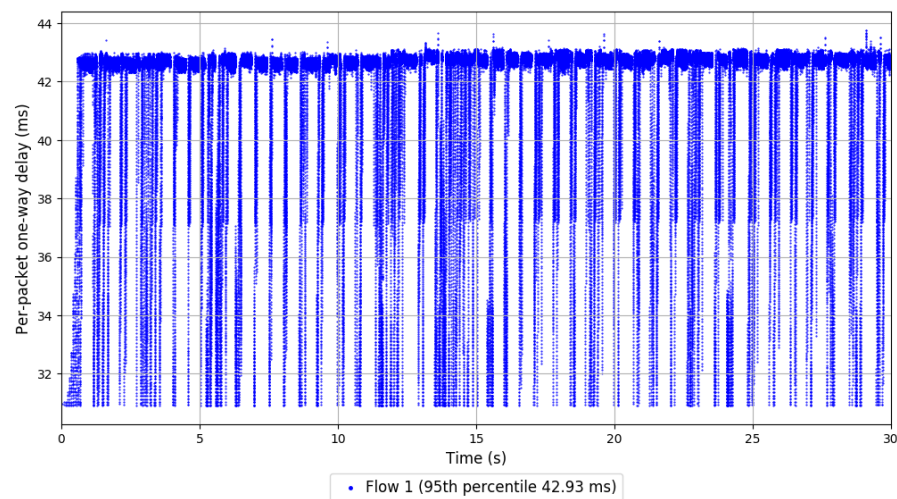
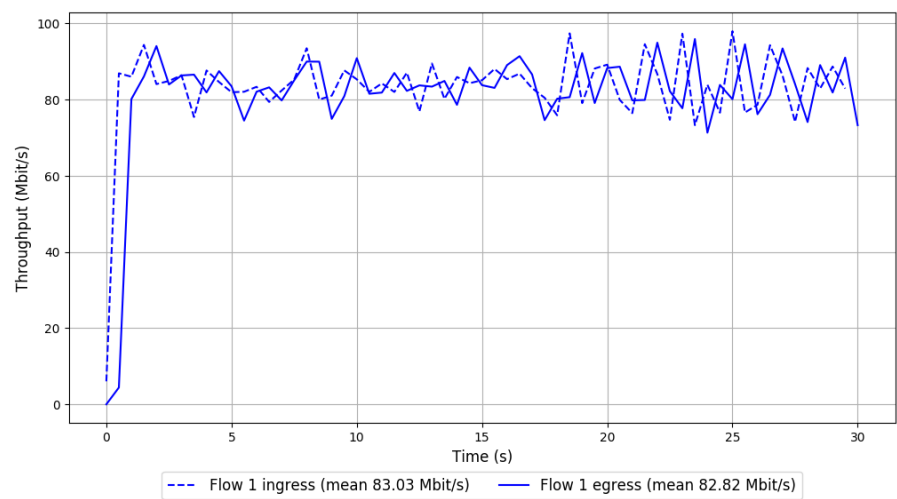
-- Flow 1:

Average throughput: 82.82 Mbit/s

95th percentile per-packet one-way delay: 42.929 ms

Loss rate: 0.47%

Run 6: Report of Verus — Data Link

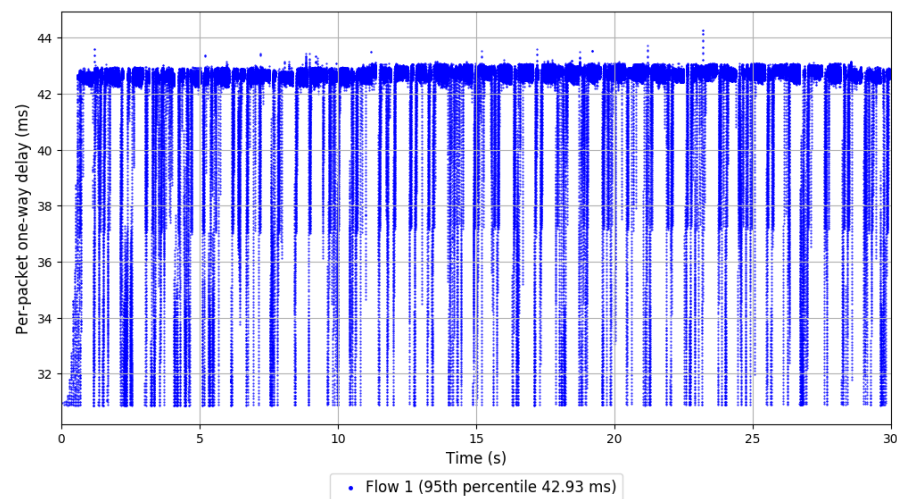
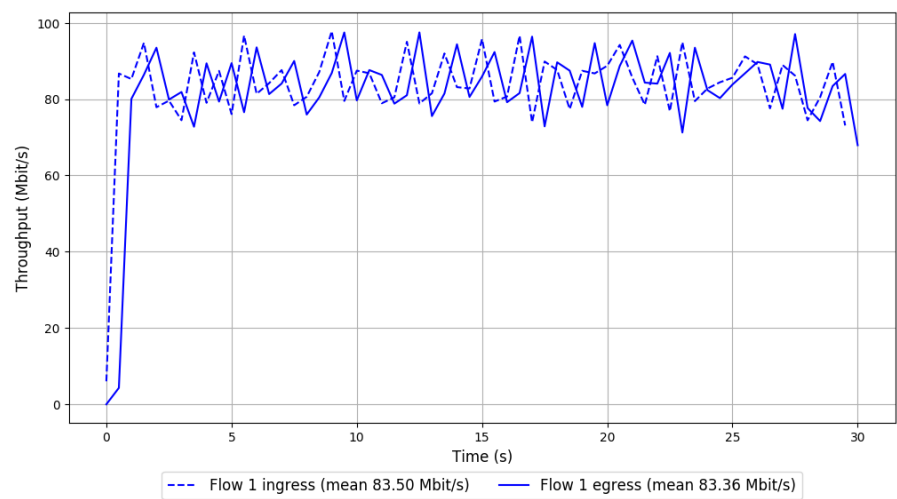


Run 7: Statistics of Verus

Start at: 2018-08-01 18:49:26
End at: 2018-08-01 18:49:56
Local clock offset: -0.326 ms
Remote clock offset: 2.001 ms

Below is generated by plot.py at 2018-08-01 20:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 42.933 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 42.933 ms
Loss rate: 0.40%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-01 19:11:43

End at: 2018-08-01 19:12:13

Local clock offset: -0.001 ms

Remote clock offset: 2.32 ms

Below is generated by plot.py at 2018-08-01 20:24:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 42.896 ms

Loss rate: 0.24%

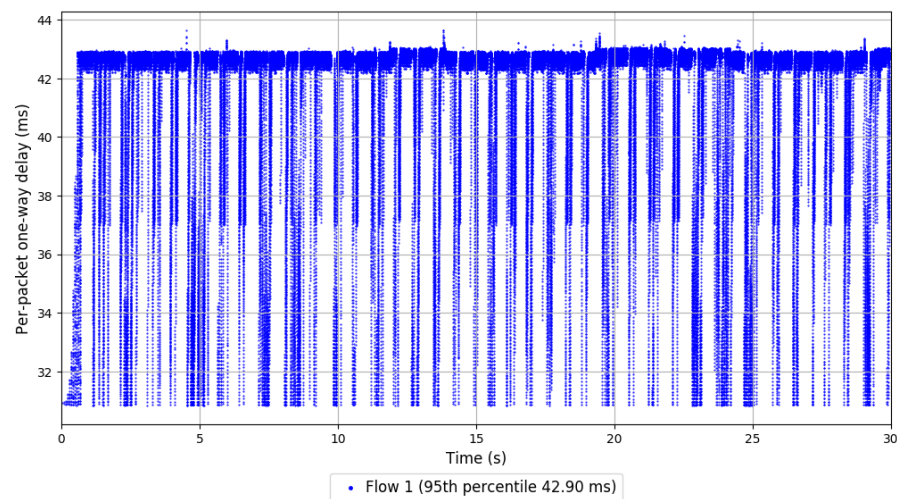
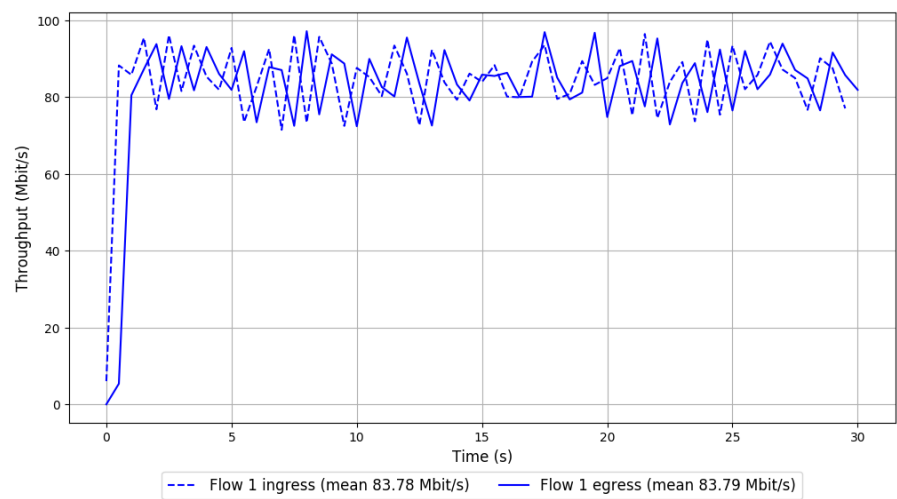
-- Flow 1:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 42.896 ms

Loss rate: 0.24%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-01 19:34:00

End at: 2018-08-01 19:34:30

Local clock offset: 0.332 ms

Remote clock offset: 2.149 ms

Below is generated by plot.py at 2018-08-01 20:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.16 Mbit/s

95th percentile per-packet one-way delay: 42.788 ms

Loss rate: 0.45%

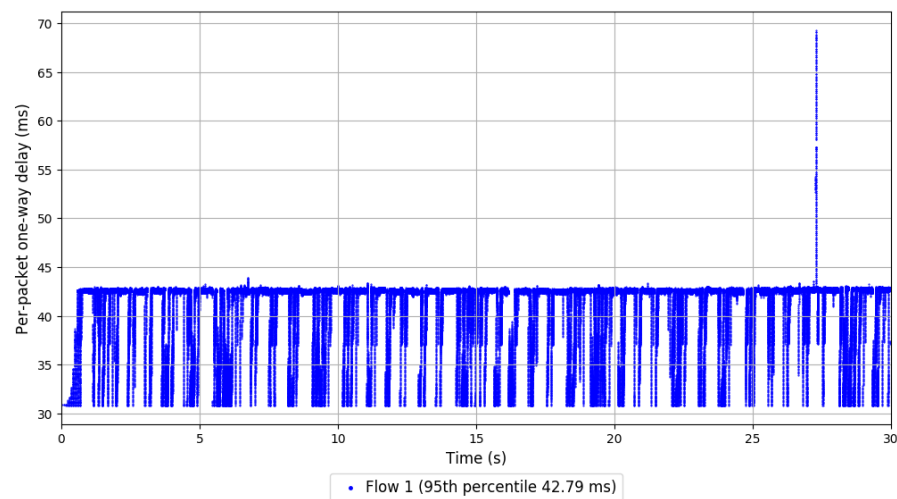
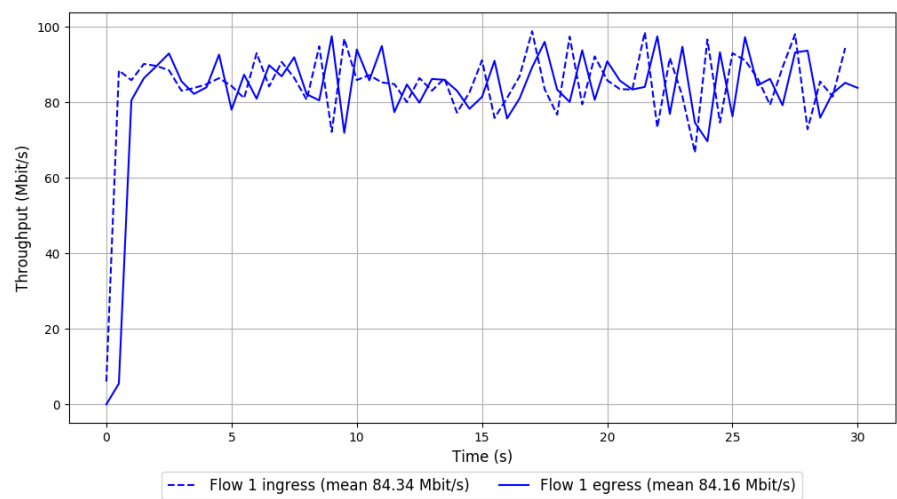
-- Flow 1:

Average throughput: 84.16 Mbit/s

95th percentile per-packet one-way delay: 42.788 ms

Loss rate: 0.45%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-01 19:56:20

End at: 2018-08-01 19:56:50

Local clock offset: 0.547 ms

Remote clock offset: 2.189 ms

Below is generated by plot.py at 2018-08-01 20:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 42.917 ms

Loss rate: 0.41%

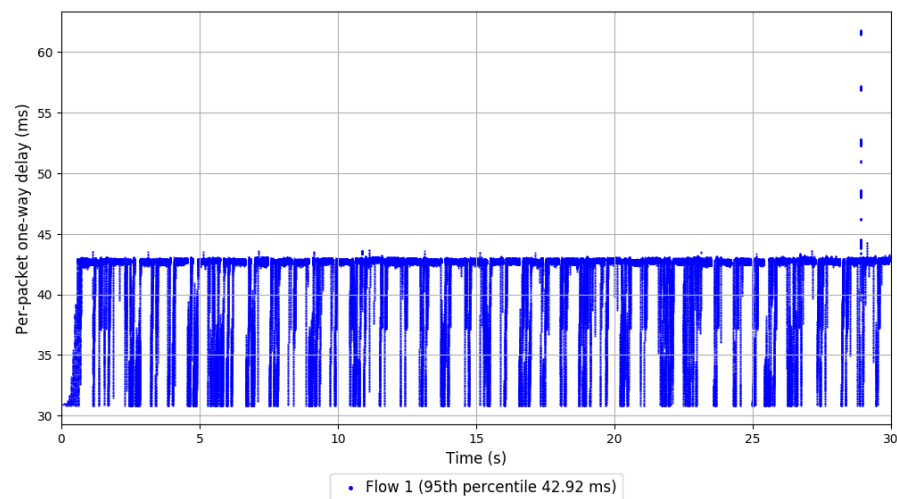
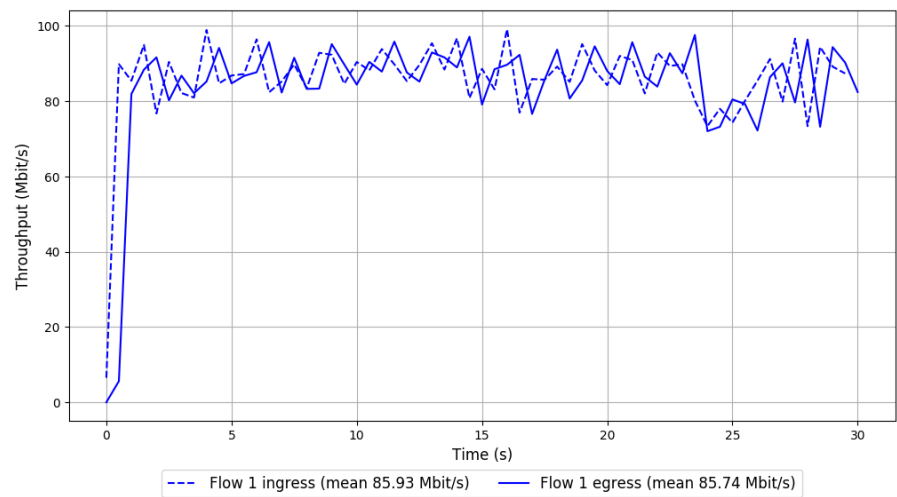
-- Flow 1:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 42.917 ms

Loss rate: 0.41%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 16:33:53

End at: 2018-08-01 16:34:23

Local clock offset: 0.161 ms

Remote clock offset: 1.613 ms

Below is generated by plot.py at 2018-08-01 20:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.77 Mbit/s

95th percentile per-packet one-way delay: 37.061 ms

Loss rate: 0.22%

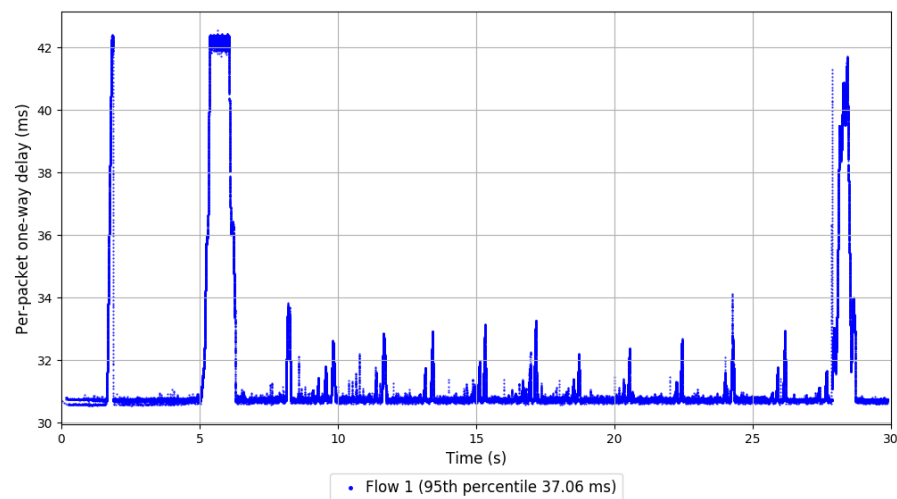
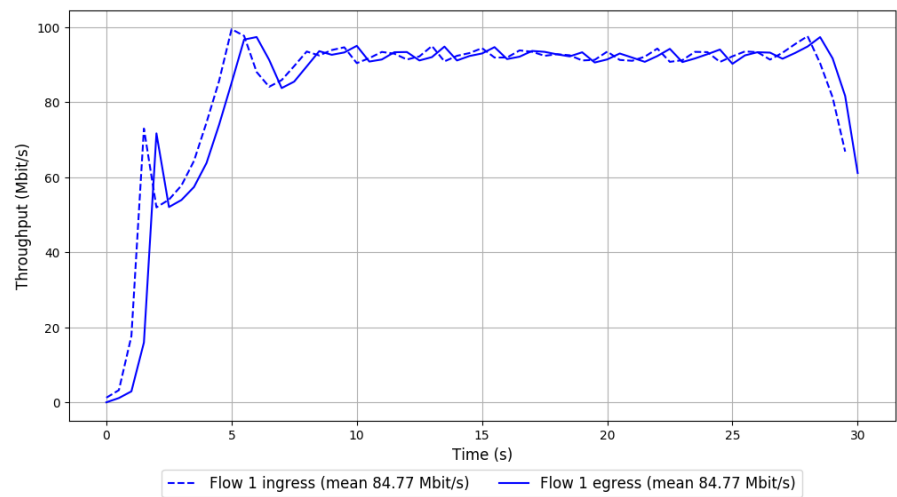
-- Flow 1:

Average throughput: 84.77 Mbit/s

95th percentile per-packet one-way delay: 37.061 ms

Loss rate: 0.22%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 16:56:13

End at: 2018-08-01 16:56:43

Local clock offset: 0.126 ms

Remote clock offset: 2.081 ms

Below is generated by plot.py at 2018-08-01 20:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 31.964 ms

Loss rate: 0.23%

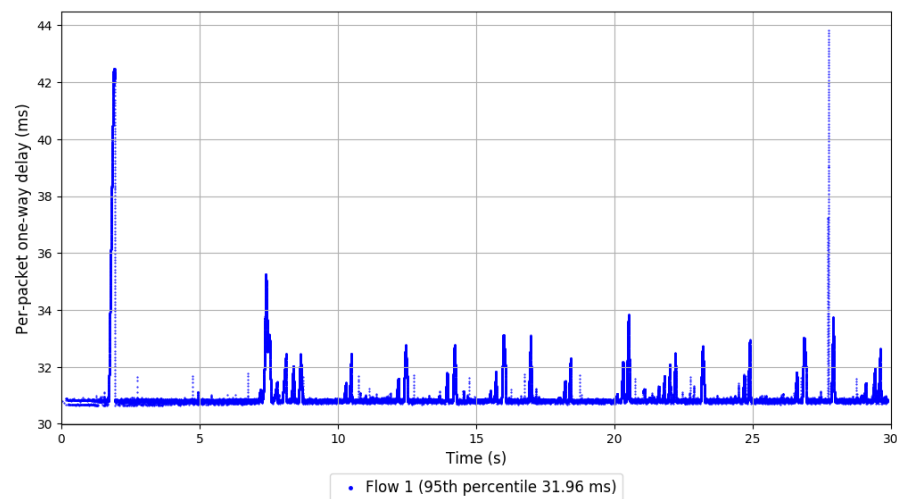
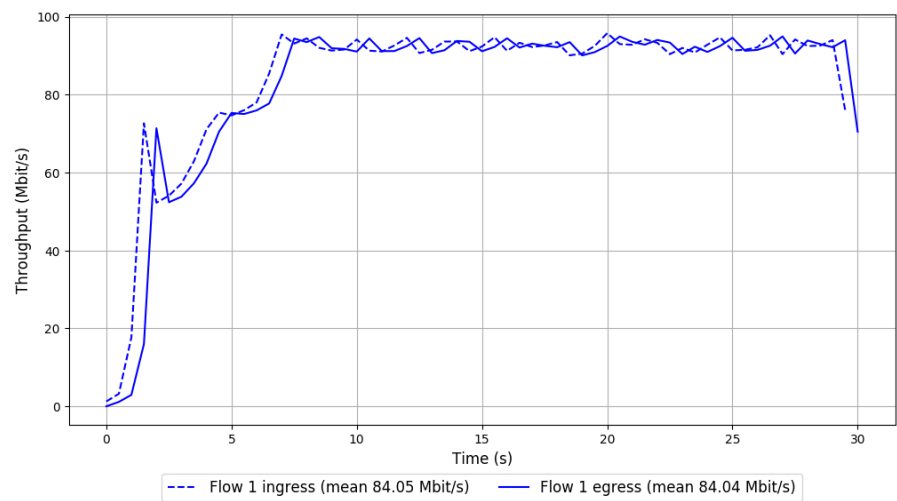
-- Flow 1:

Average throughput: 84.04 Mbit/s

95th percentile per-packet one-way delay: 31.964 ms

Loss rate: 0.23%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 17:18:37

End at: 2018-08-01 17:19:07

Local clock offset: 0.362 ms

Remote clock offset: 1.881 ms

Below is generated by plot.py at 2018-08-01 20:25:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 32.819 ms

Loss rate: 0.25%

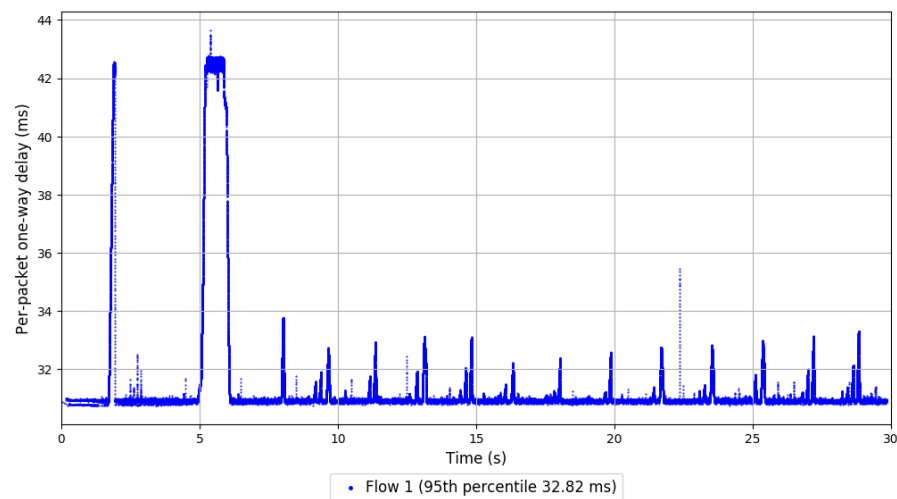
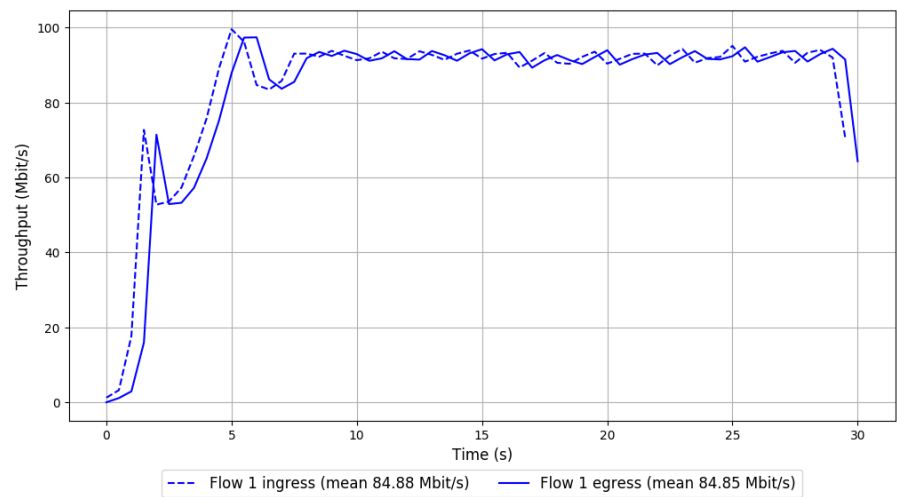
-- Flow 1:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 32.819 ms

Loss rate: 0.25%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 17:41:05

End at: 2018-08-01 17:41:35

Local clock offset: 0.377 ms

Remote clock offset: 1.566 ms

Below is generated by plot.py at 2018-08-01 20:25:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 32.001 ms

Loss rate: 0.26%

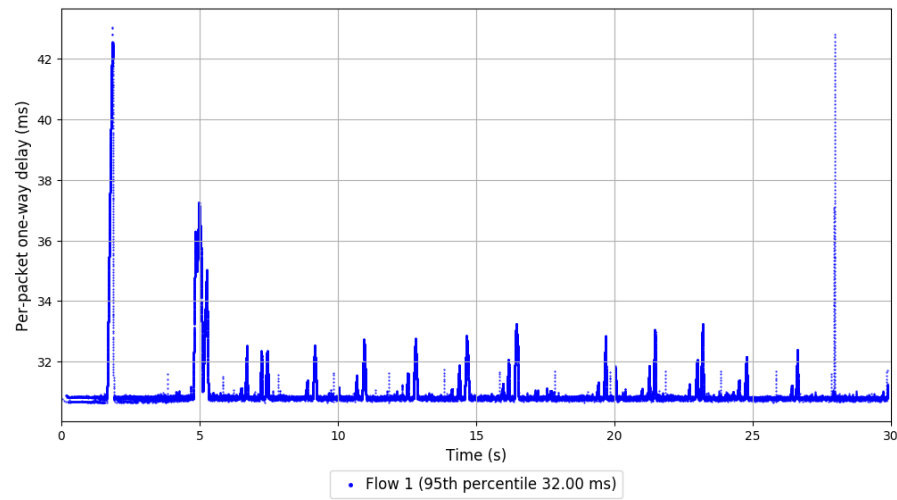
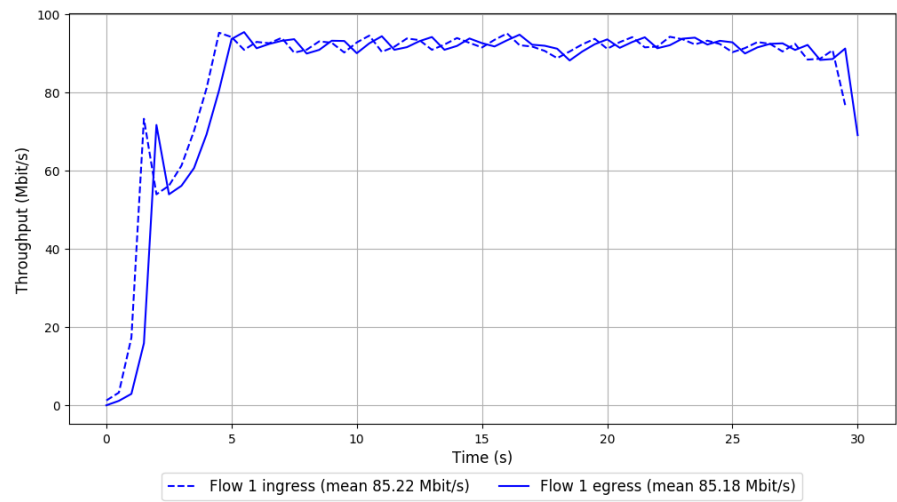
-- Flow 1:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 32.001 ms

Loss rate: 0.26%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 18:03:32

End at: 2018-08-01 18:04:02

Local clock offset: 0.28 ms

Remote clock offset: 1.249 ms

Below is generated by plot.py at 2018-08-01 20:25:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 33.158 ms

Loss rate: 0.26%

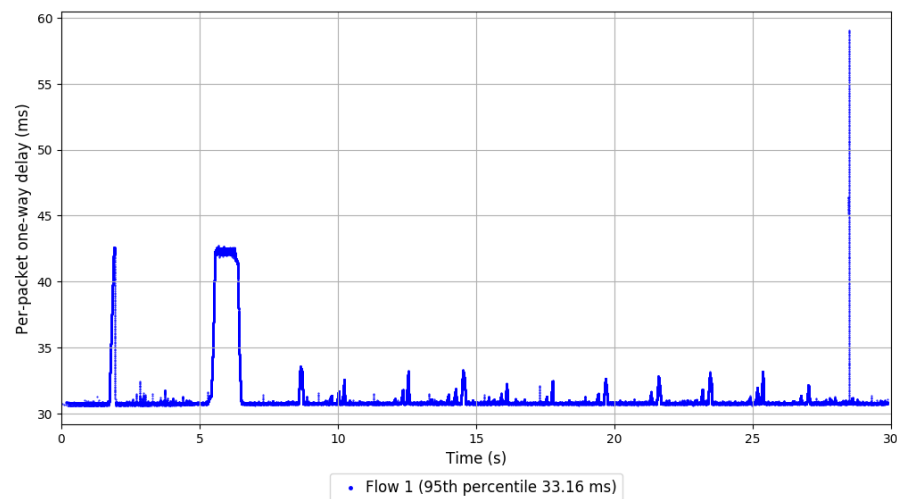
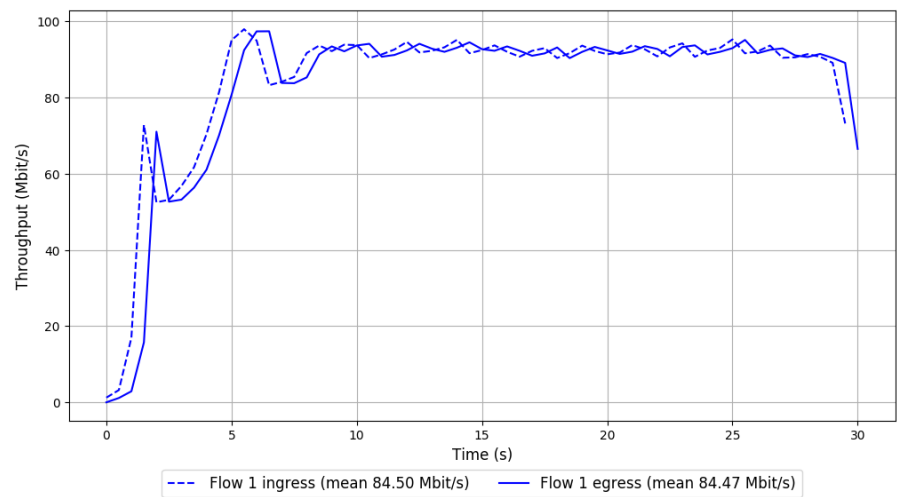
-- Flow 1:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 33.158 ms

Loss rate: 0.26%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 18:25:50

End at: 2018-08-01 18:26:20

Local clock offset: -0.218 ms

Remote clock offset: 1.685 ms

Below is generated by plot.py at 2018-08-01 20:25:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 32.211 ms

Loss rate: 0.24%

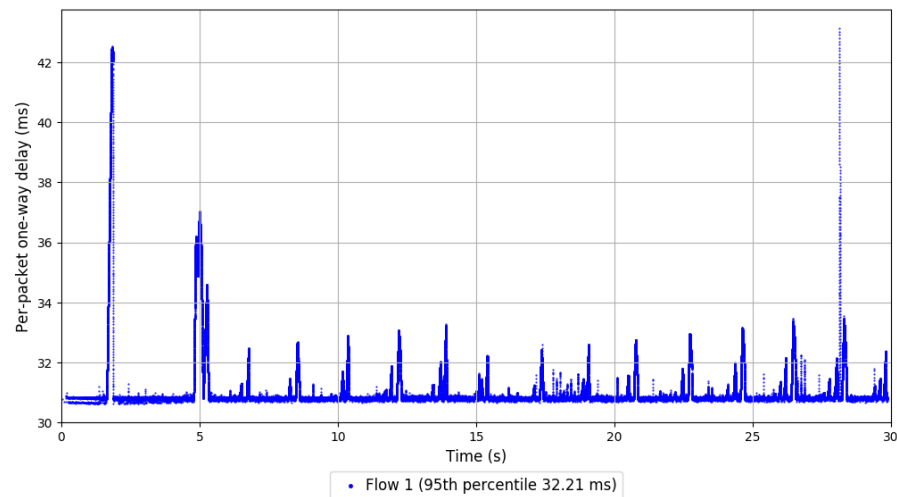
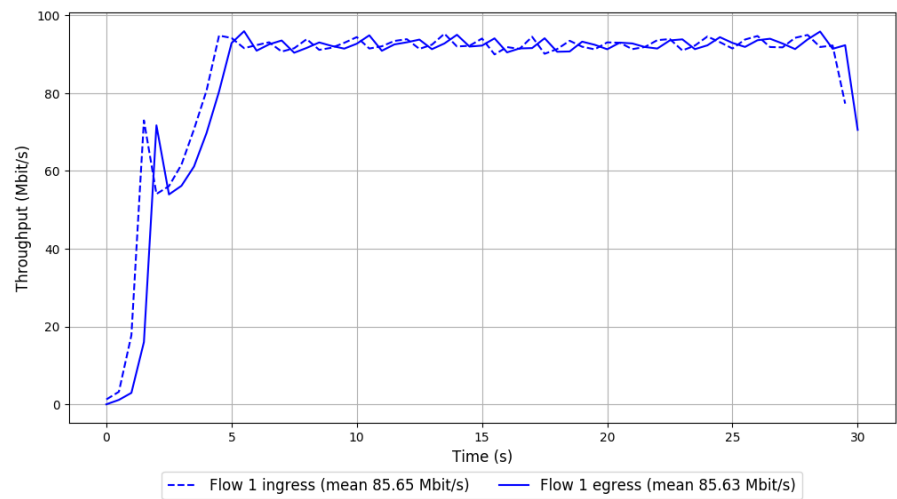
-- Flow 1:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 32.211 ms

Loss rate: 0.24%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 18:48:06

End at: 2018-08-01 18:48:36

Local clock offset: -0.397 ms

Remote clock offset: 1.931 ms

Below is generated by plot.py at 2018-08-01 20:25:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 32.449 ms

Loss rate: 0.24%

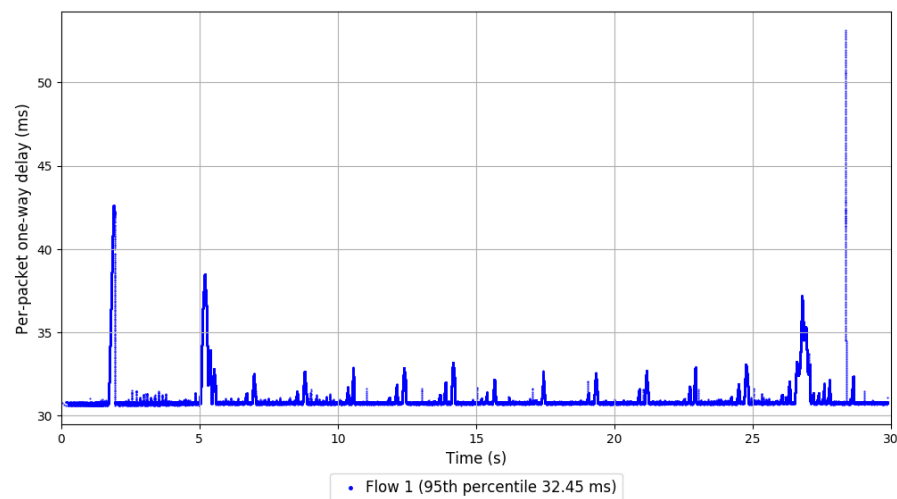
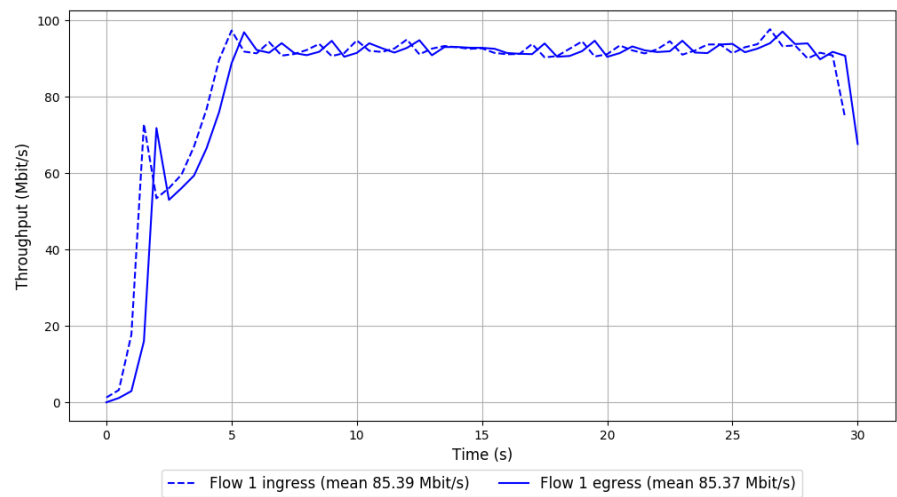
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 32.449 ms

Loss rate: 0.24%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 19:10:23

End at: 2018-08-01 19:10:53

Local clock offset: -0.089 ms

Remote clock offset: 2.316 ms

Below is generated by plot.py at 2018-08-01 20:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 32.036 ms

Loss rate: 0.23%

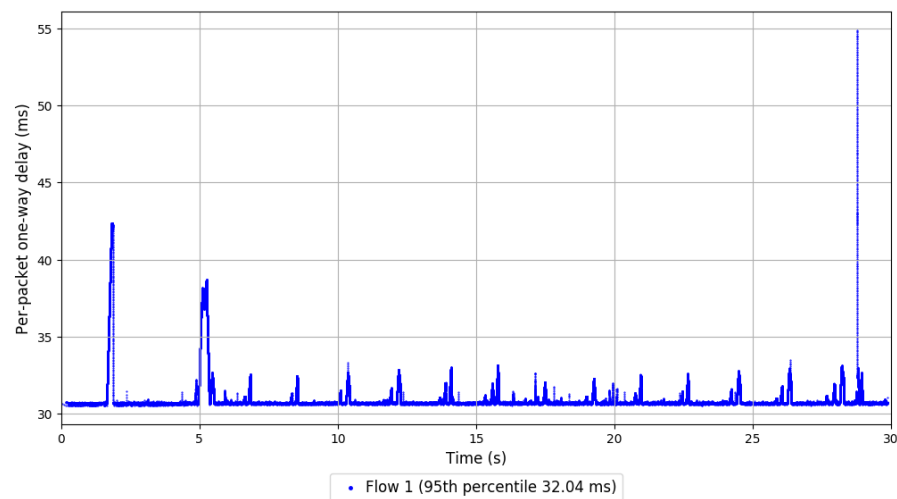
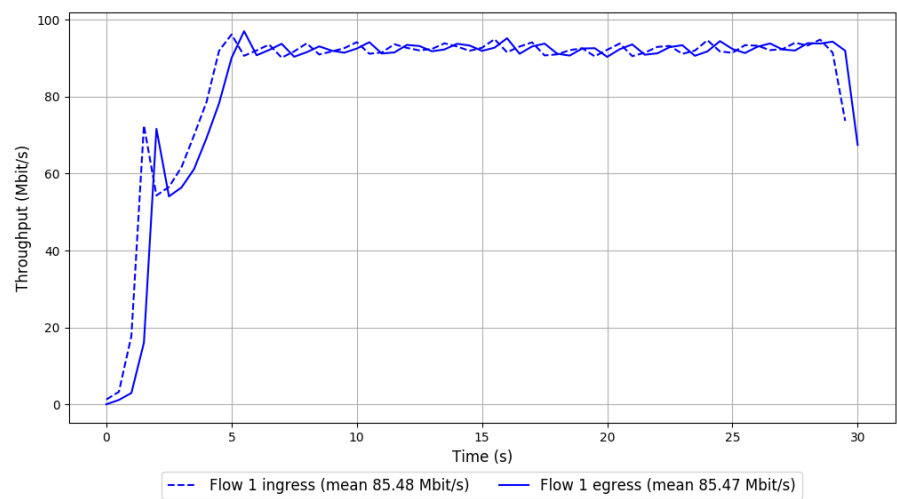
-- Flow 1:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 32.036 ms

Loss rate: 0.23%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 19:32:41

End at: 2018-08-01 19:33:11

Local clock offset: 0.297 ms

Remote clock offset: 2.138 ms

Below is generated by plot.py at 2018-08-01 20:26:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 32.031 ms

Loss rate: 0.24%

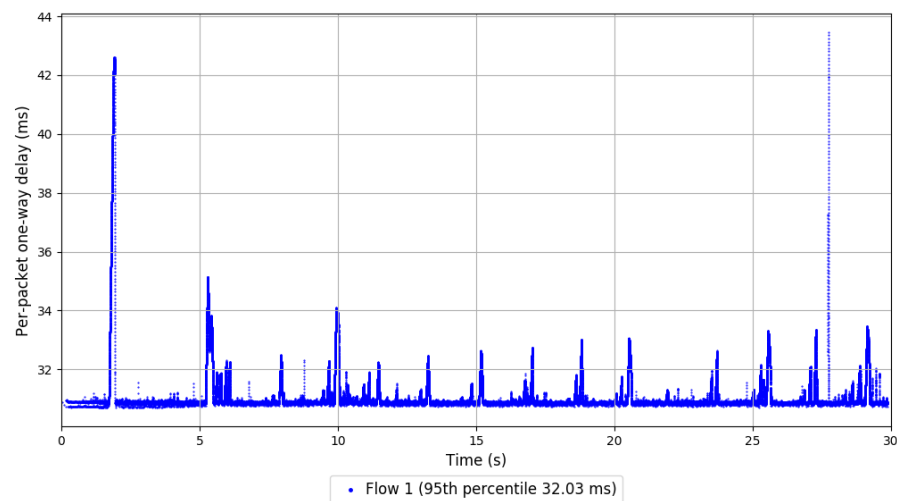
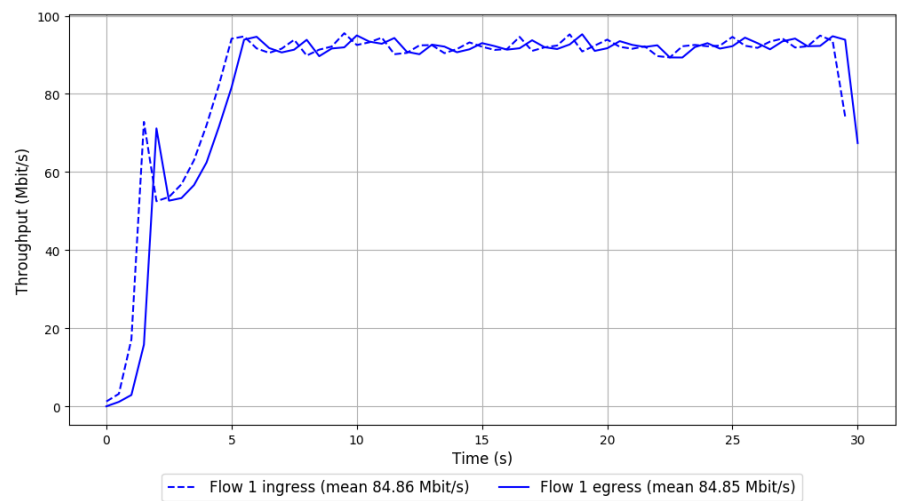
-- Flow 1:

Average throughput: 84.85 Mbit/s

95th percentile per-packet one-way delay: 32.031 ms

Loss rate: 0.24%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 19:55:00

End at: 2018-08-01 19:55:30

Local clock offset: 0.605 ms

Remote clock offset: 2.24 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 32.196 ms

Loss rate: 0.22%

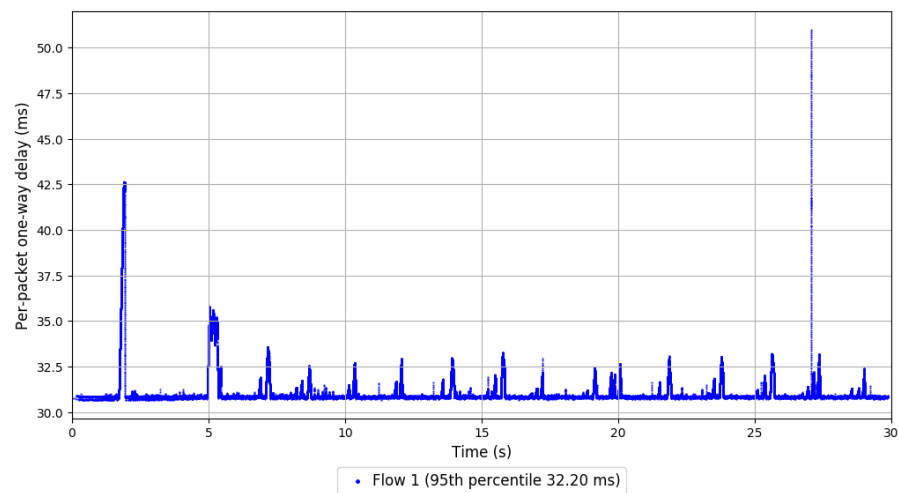
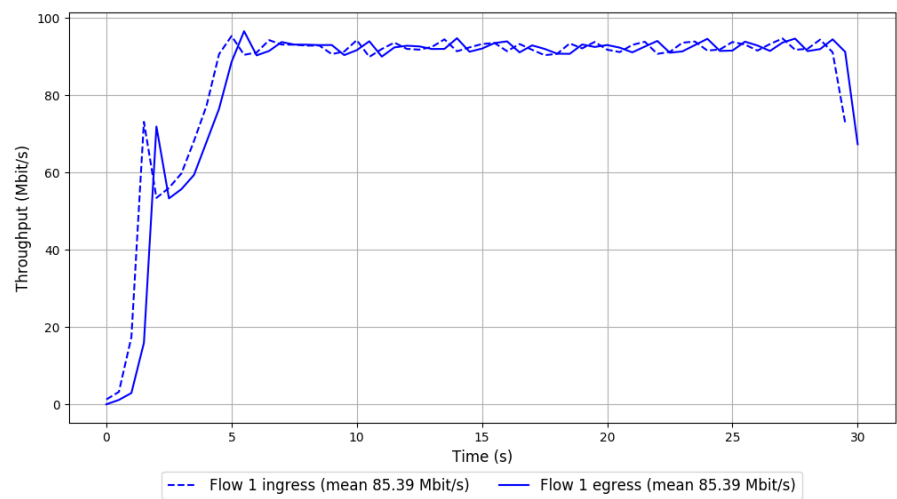
-- Flow 1:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 32.196 ms

Loss rate: 0.22%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-01 16:32:38

End at: 2018-08-01 16:33:08

Local clock offset: 0.172 ms

Remote clock offset: 1.632 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 31.108 ms

Loss rate: 0.27%

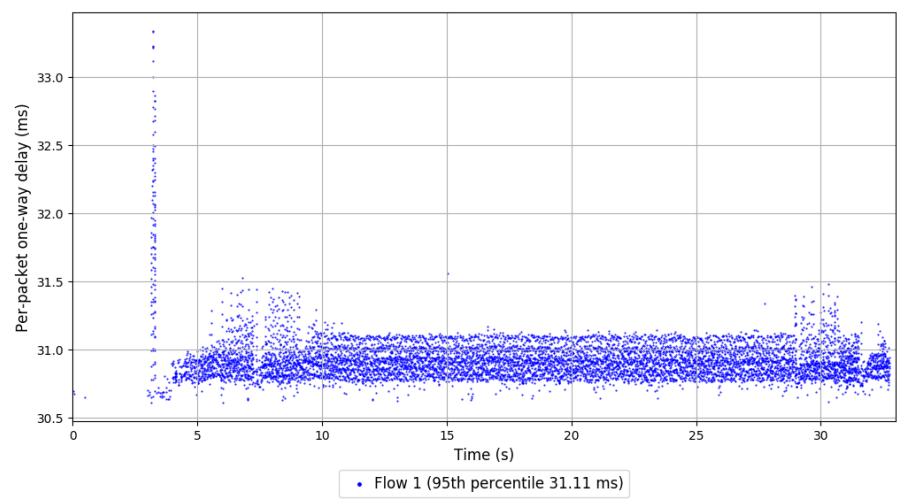
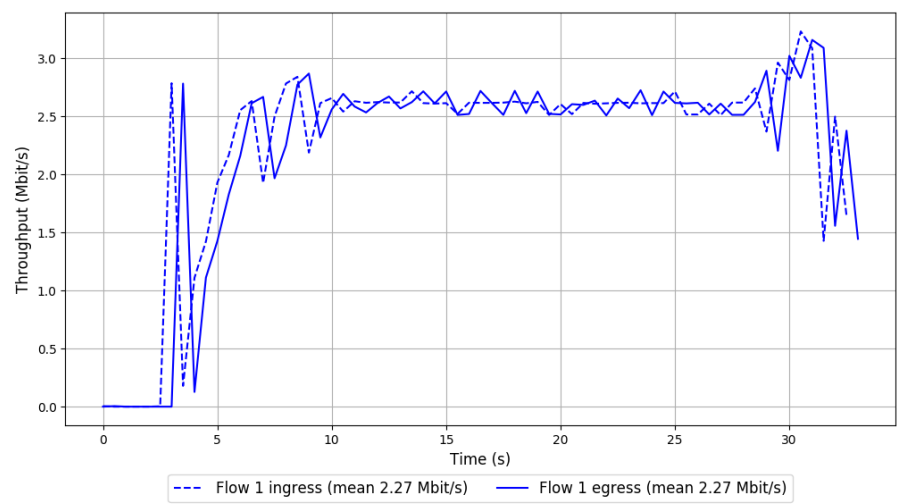
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 31.108 ms

Loss rate: 0.27%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-01 16:54:58

End at: 2018-08-01 16:55:28

Local clock offset: 0.2 ms

Remote clock offset: 2.097 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 31.163 ms

Loss rate: 0.26%

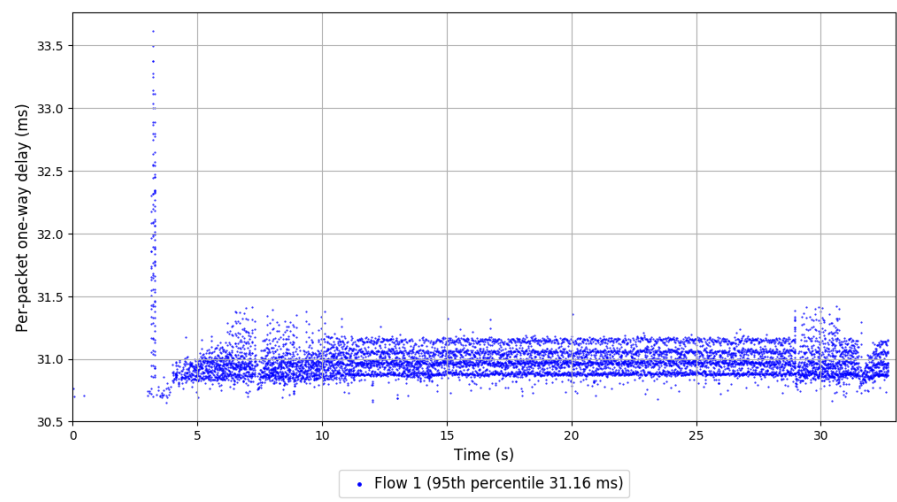
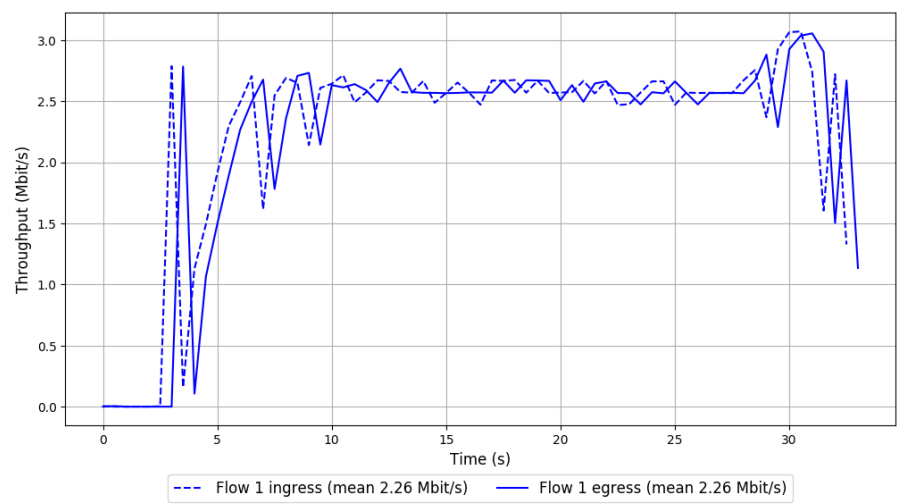
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 31.163 ms

Loss rate: 0.26%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-01 17:17:22

End at: 2018-08-01 17:17:52

Local clock offset: 0.272 ms

Remote clock offset: 1.954 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 31.058 ms

Loss rate: 0.23%

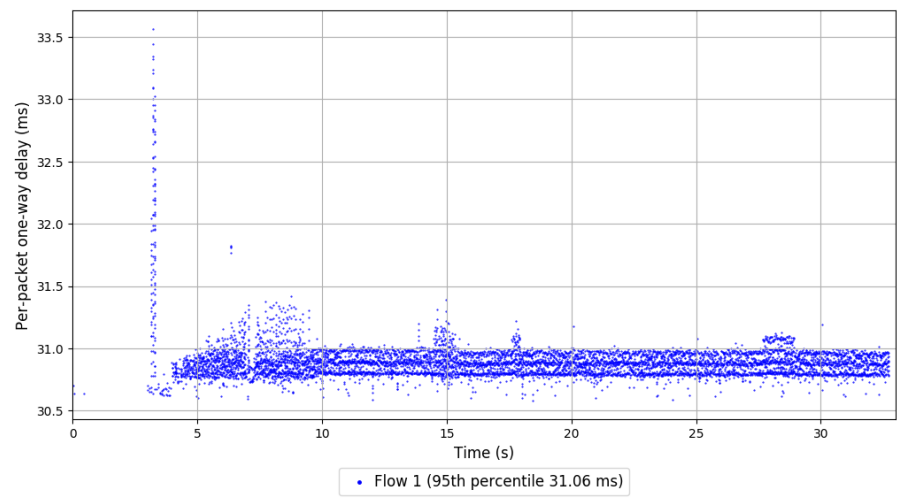
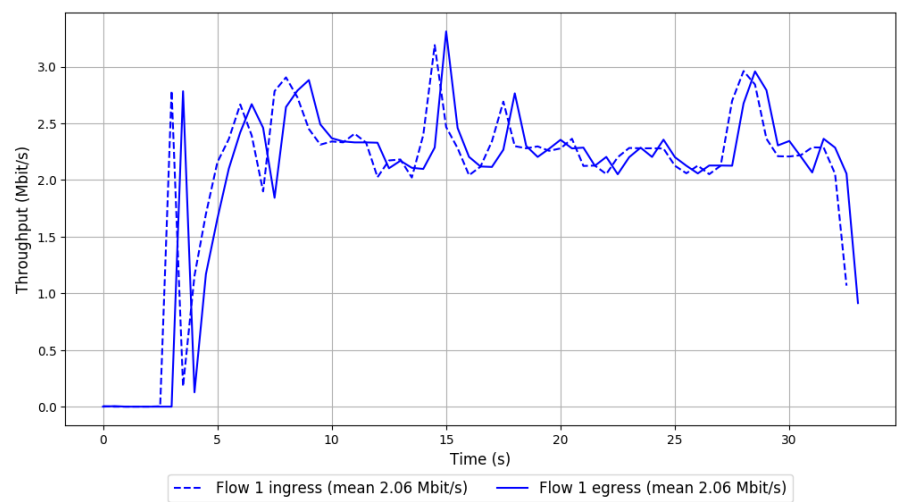
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 31.058 ms

Loss rate: 0.23%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-01 17:39:50

End at: 2018-08-01 17:40:20

Local clock offset: 0.274 ms

Remote clock offset: 1.563 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 31.157 ms

Loss rate: 0.26%

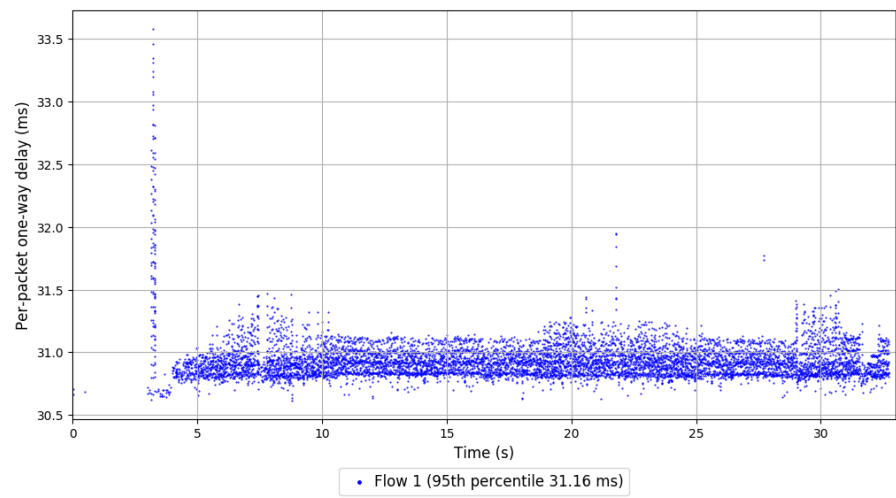
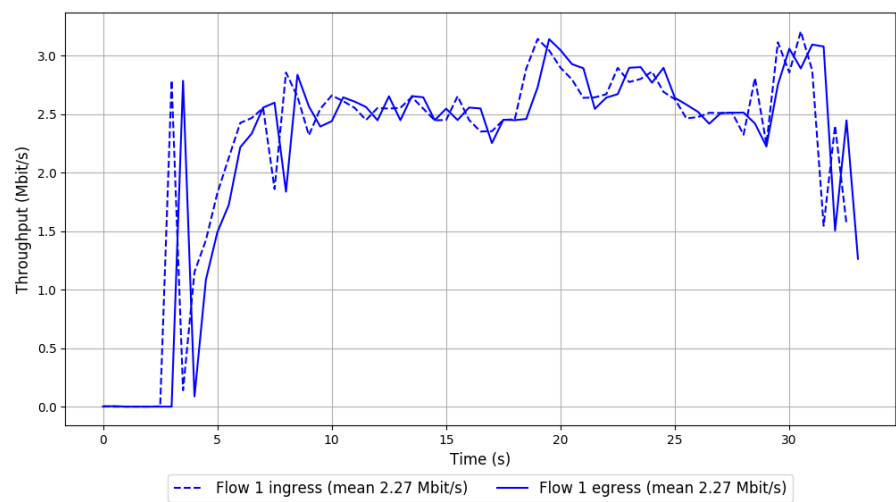
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 31.157 ms

Loss rate: 0.26%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-01 18:02:16

End at: 2018-08-01 18:02:46

Local clock offset: 0.388 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 31.259 ms

Loss rate: 0.24%

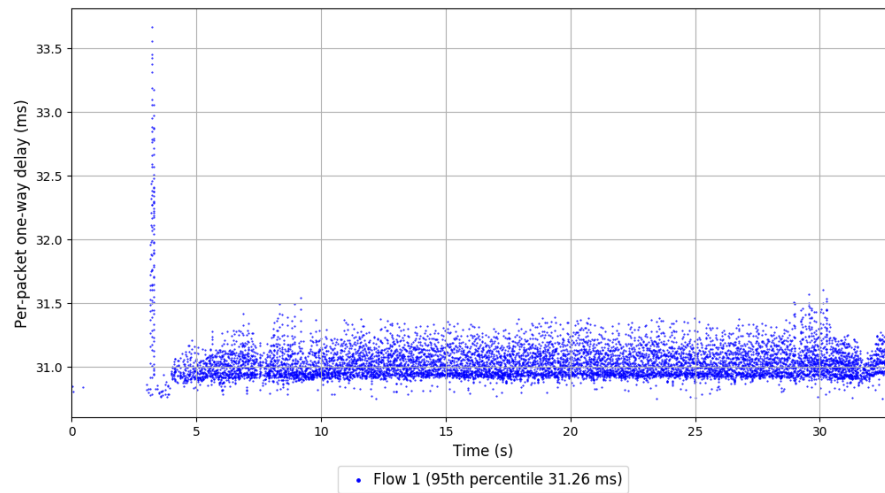
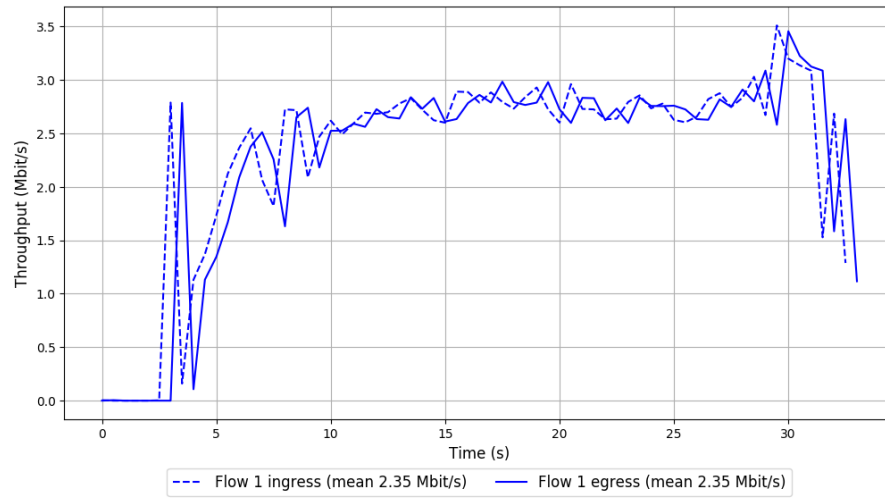
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 31.259 ms

Loss rate: 0.24%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-01 18:24:35

End at: 2018-08-01 18:25:05

Local clock offset: -0.166 ms

Remote clock offset: 1.664 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 31.161 ms

Loss rate: 0.26%

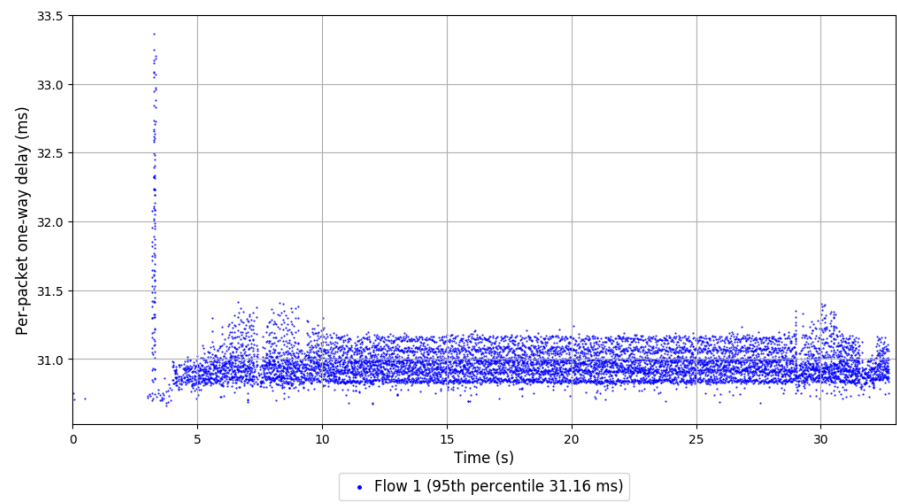
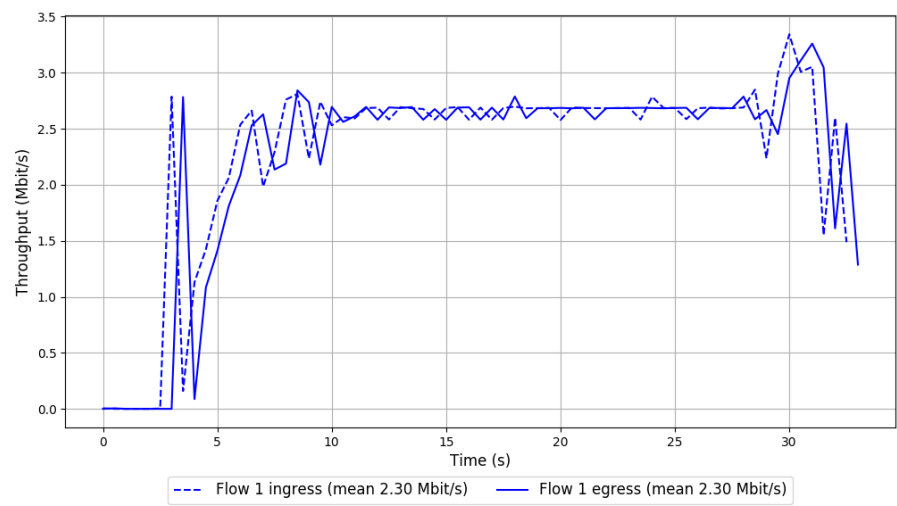
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 31.161 ms

Loss rate: 0.26%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-01 18:46:51

End at: 2018-08-01 18:47:21

Local clock offset: -0.29 ms

Remote clock offset: 1.88 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 31.162 ms

Loss rate: 0.17%

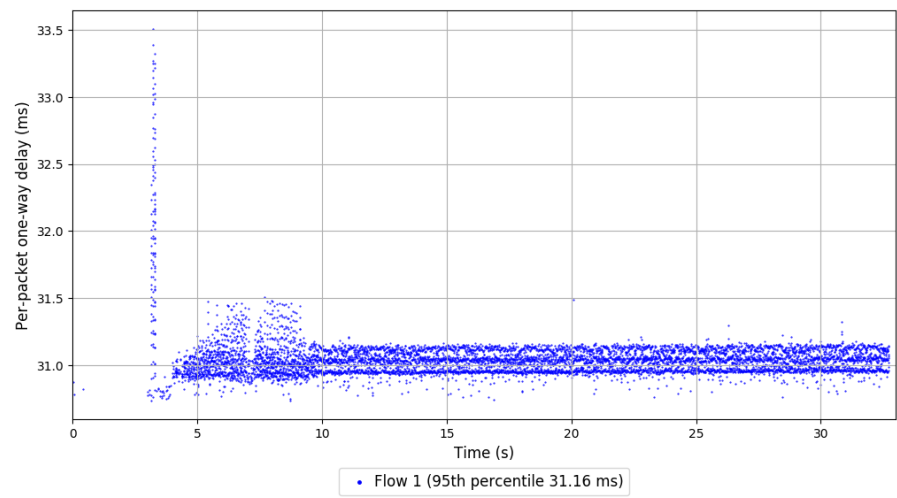
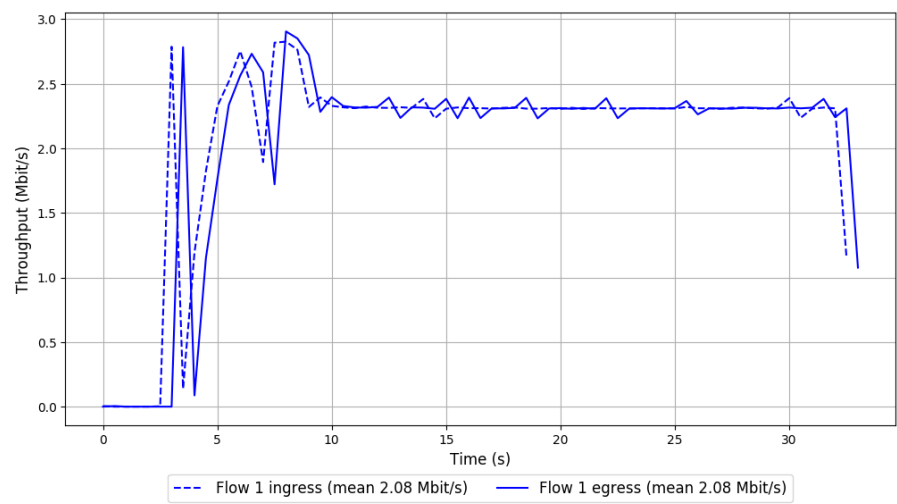
-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 31.162 ms

Loss rate: 0.17%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-01 19:09:08

End at: 2018-08-01 19:09:38

Local clock offset: -0.01 ms

Remote clock offset: 2.27 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 31.238 ms

Loss rate: 0.25%

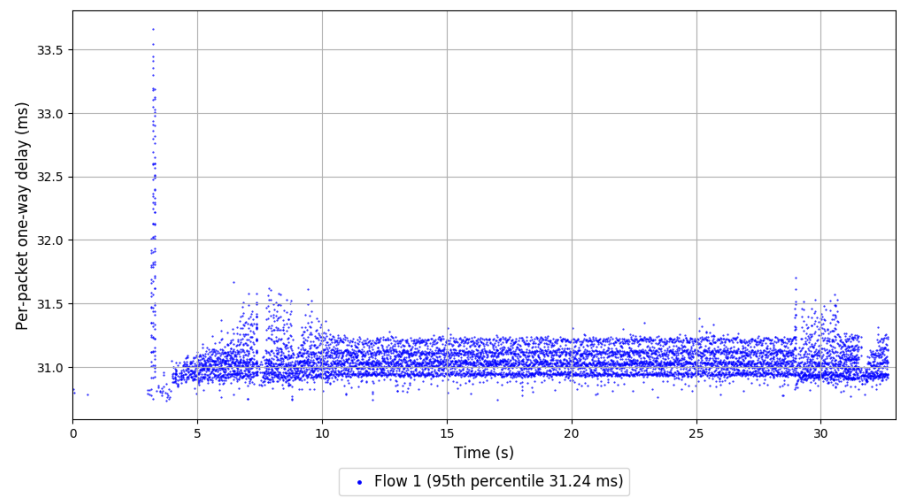
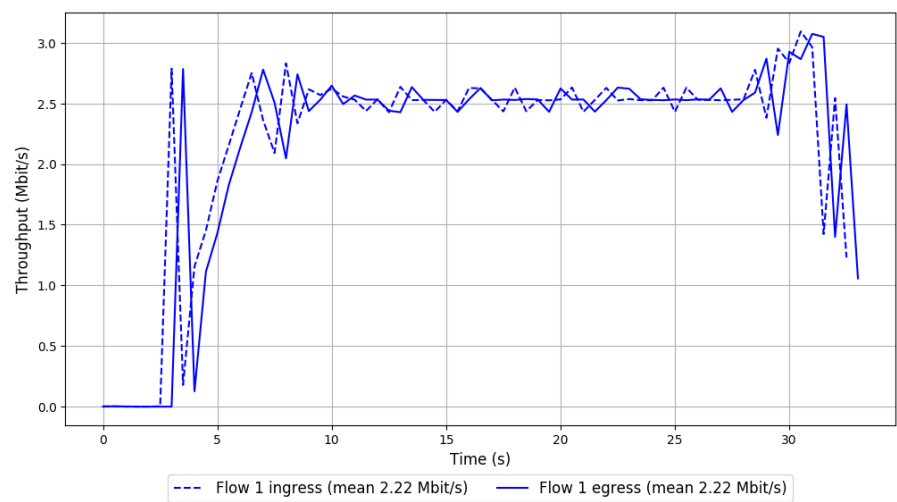
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 31.238 ms

Loss rate: 0.25%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-01 19:31:25

End at: 2018-08-01 19:31:55

Local clock offset: 0.283 ms

Remote clock offset: 2.155 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 31.191 ms

Loss rate: 0.25%

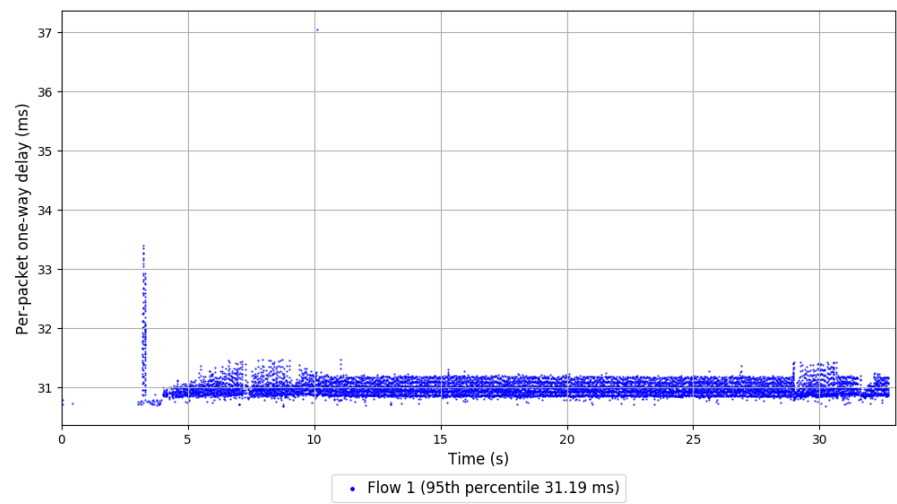
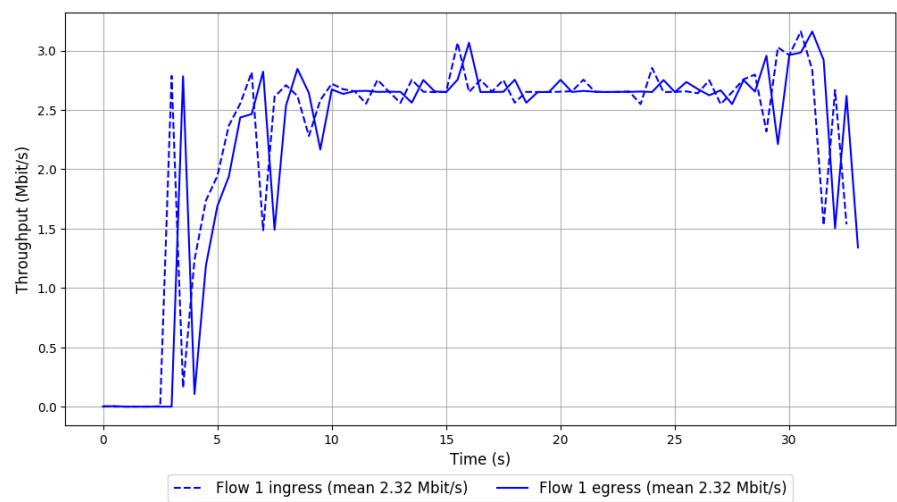
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 31.191 ms

Loss rate: 0.25%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 19:53:45

End at: 2018-08-01 19:54:15

Local clock offset: 0.63 ms

Remote clock offset: 2.235 ms

Below is generated by plot.py at 2018-08-01 20:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 31.283 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 31.283 ms

Loss rate: 0.18%

Run 10: Report of WebRTC media — Data Link

