

Pantheon Report

Generated at 2017-12-20 01:19:23 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

Repeated the test of 14 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).

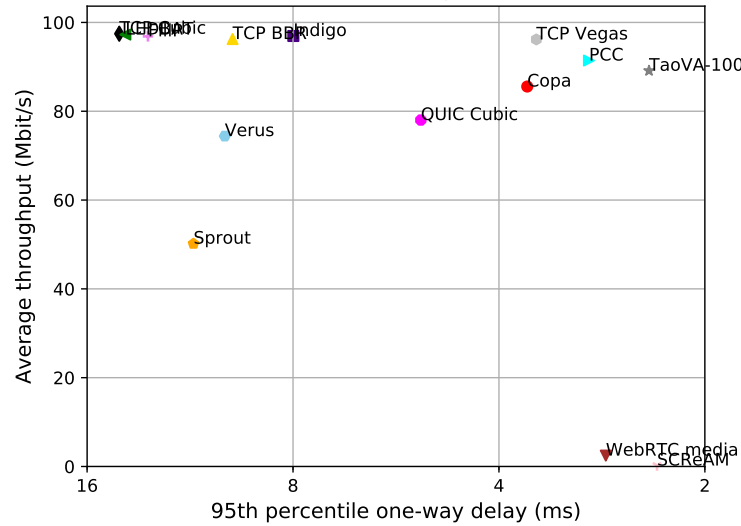
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

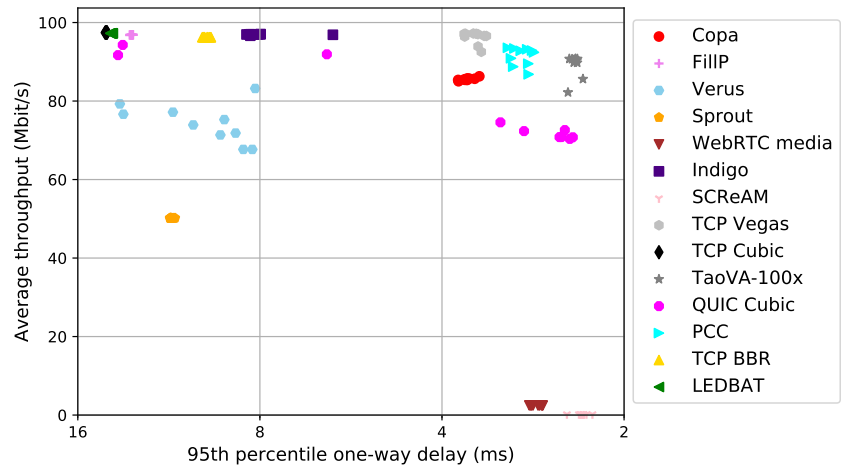
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.26	9.80	0.04
TCP Cubic	10	97.46	14.36	0.06
LEDBAT	10	97.26	14.07	0.06
PCC	10	91.42	2.95	0.02
QUIC Cubic	10	78.02	5.20	0.02
SCReAM	10	0.22	2.35	0.00
WebRTC media	9	2.45	2.79	0.01
Sprout	10	50.17	11.18	0.03
TaoVA-100x	10	89.12	2.41	0.02
TCP Vegas	10	96.17	3.53	0.02
Verus	10	74.40	10.07	0.03
Copa	10	85.57	3.64	0.02
FillP	10	96.86	13.04	0.04
Indigo	10	96.95	7.99	0.03

Run 1: Statistics of TCP BBR

Start at: 2017-12-19 19:30:56

End at: 2017-12-19 19:31:26

Local clock offset: 0.71 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2017-12-20 00:58:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.780 ms

Loss rate: 0.04%

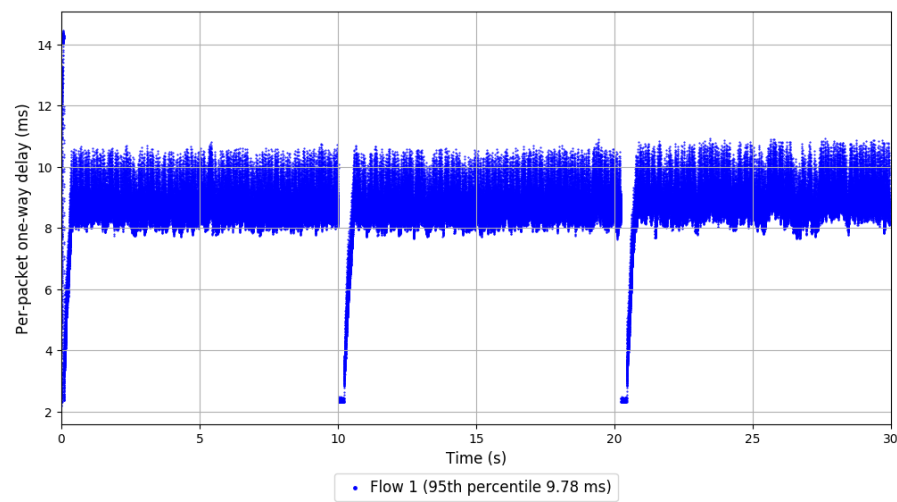
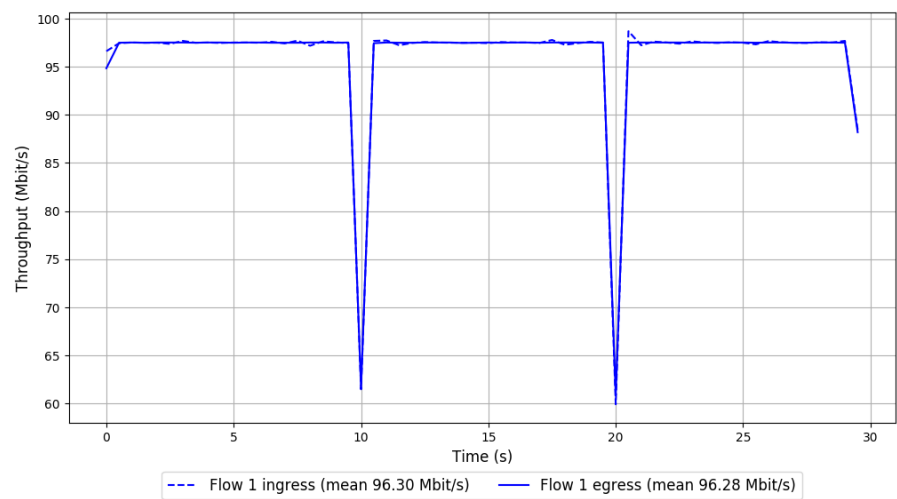
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.780 ms

Loss rate: 0.04%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-12-19 19:47:51

End at: 2017-12-19 19:48:21

Local clock offset: 0.825 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2017-12-20 00:58:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 9.643 ms

Loss rate: 0.04%

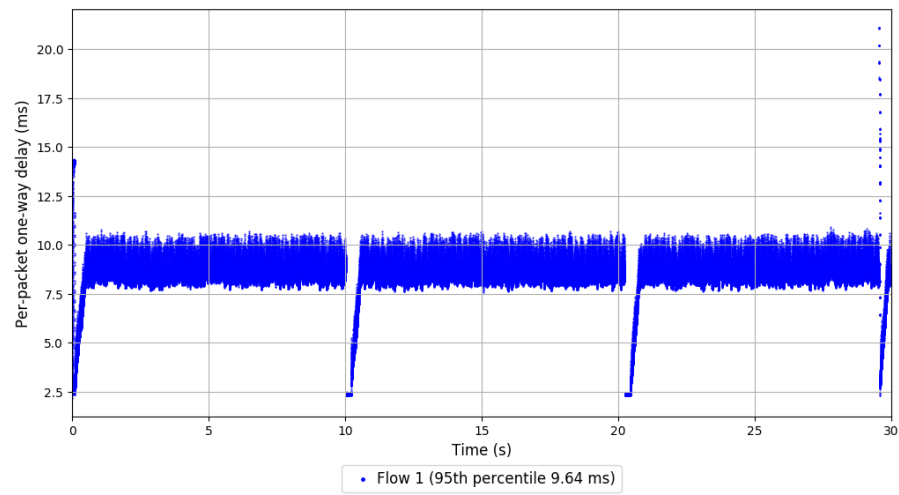
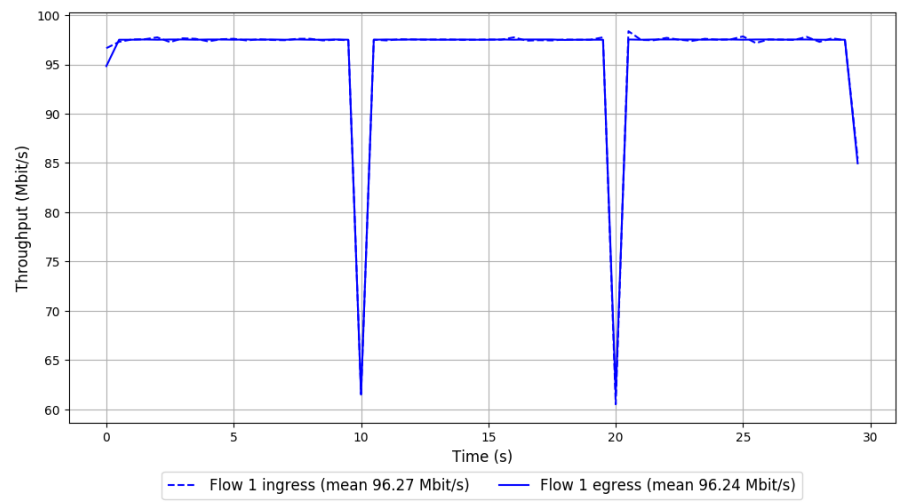
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 9.643 ms

Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-12-19 20:04:46

End at: 2017-12-19 20:05:16

Local clock offset: 0.654 ms

Remote clock offset: 0.44 ms

Below is generated by plot.py at 2017-12-20 00:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.704 ms

Loss rate: 0.04%

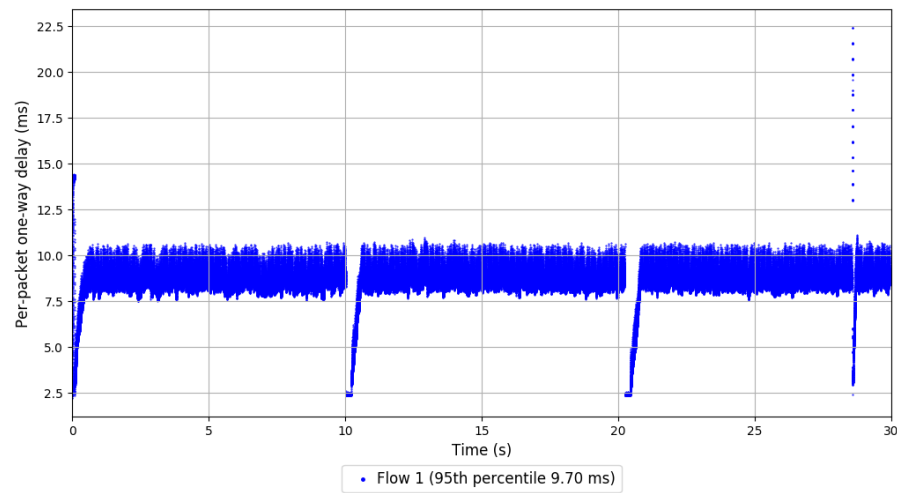
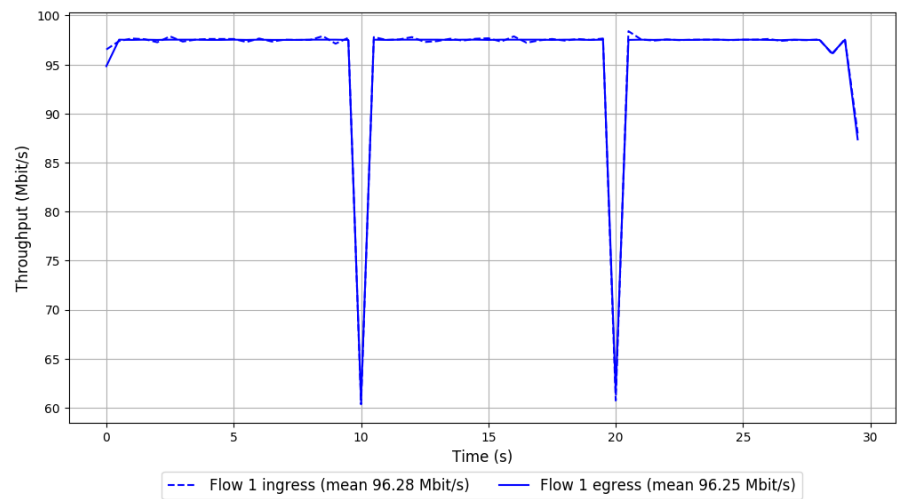
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.704 ms

Loss rate: 0.04%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-12-19 20:21:44

End at: 2017-12-19 20:22:14

Local clock offset: 0.56 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2017-12-20 00:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.963 ms

Loss rate: 0.04%

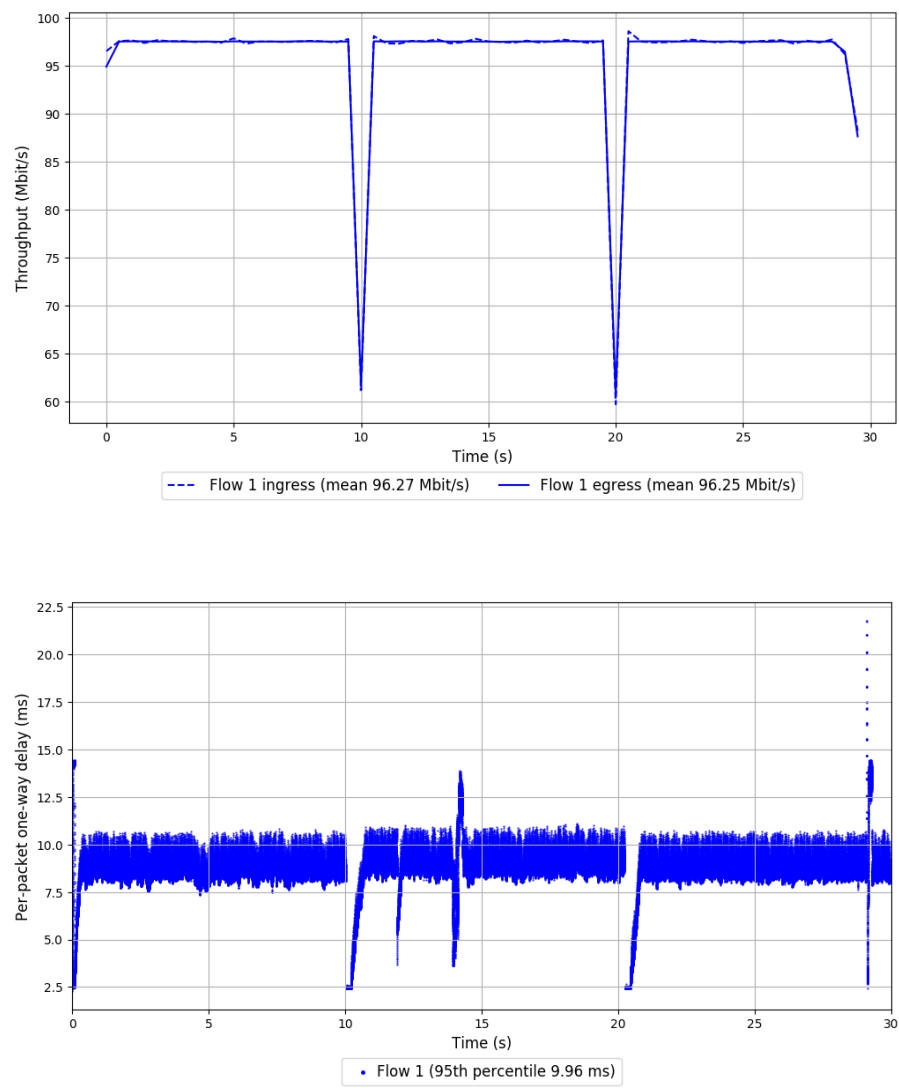
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.963 ms

Loss rate: 0.04%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-12-19 20:38:38

End at: 2017-12-19 20:39:09

Local clock offset: 0.042 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2017-12-20 00:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.643 ms

Loss rate: 0.04%

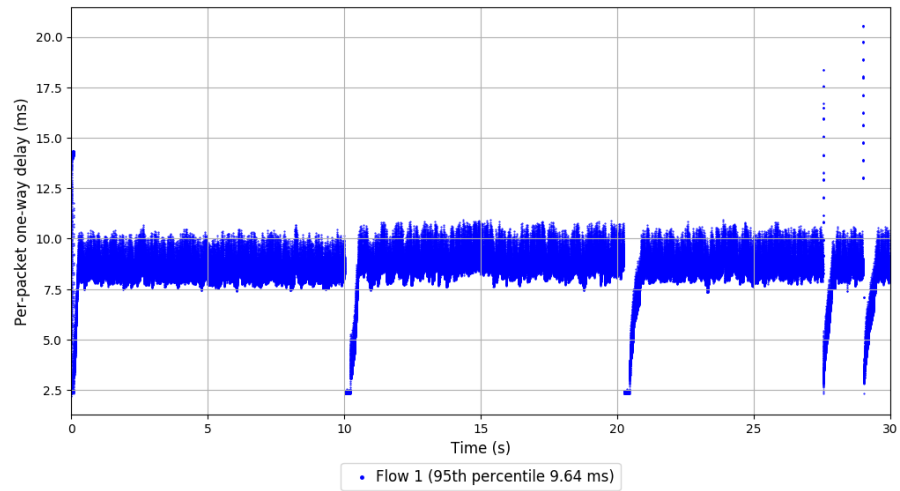
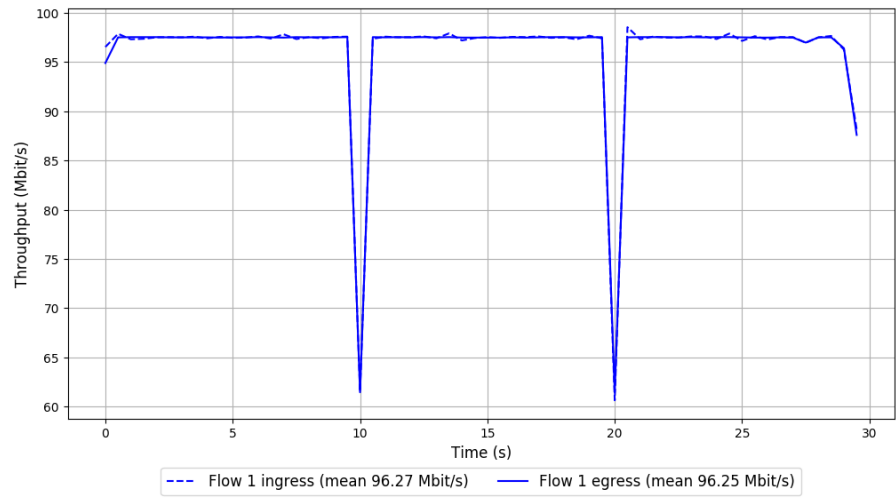
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 9.643 ms

Loss rate: 0.04%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-12-19 20:55:32

End at: 2017-12-19 20:56:02

Local clock offset: 0.172 ms

Remote clock offset: 0.461 ms

Below is generated by plot.py at 2017-12-20 00:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.903 ms

Loss rate: 0.04%

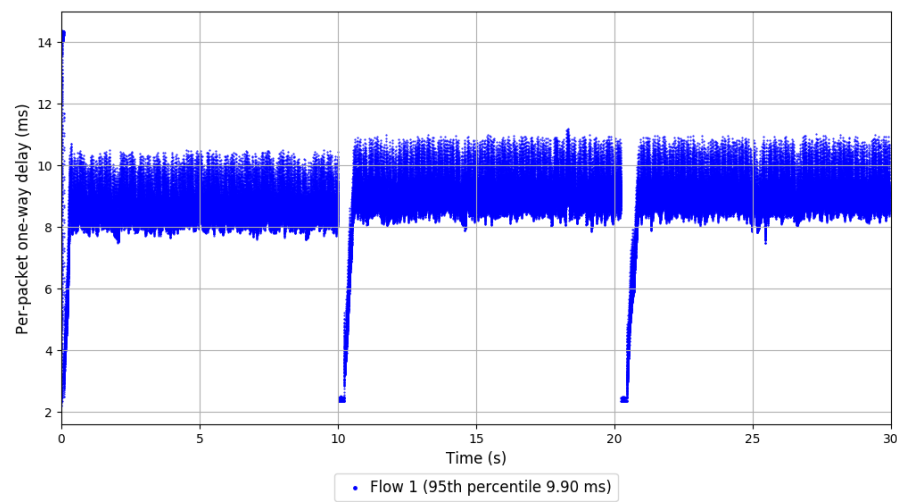
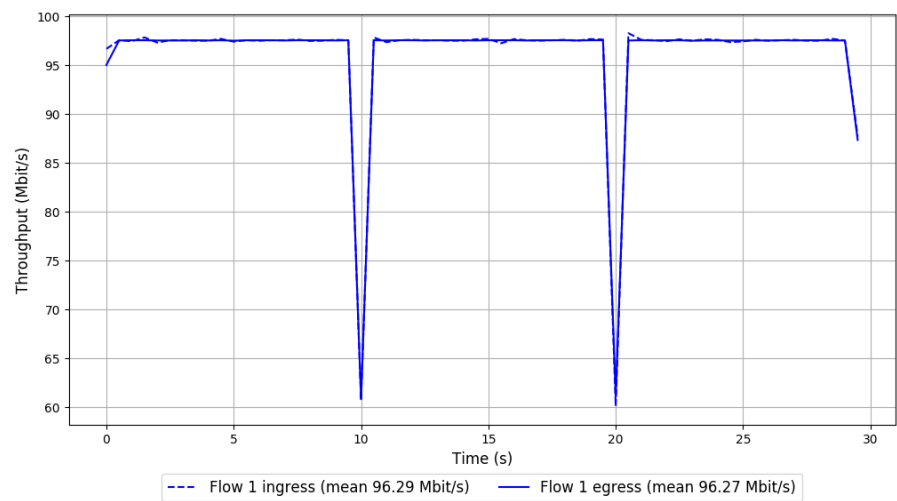
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.903 ms

Loss rate: 0.04%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-12-19 21:12:30

End at: 2017-12-19 21:13:00

Local clock offset: 0.291 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2017-12-20 00:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.872 ms

Loss rate: 0.04%

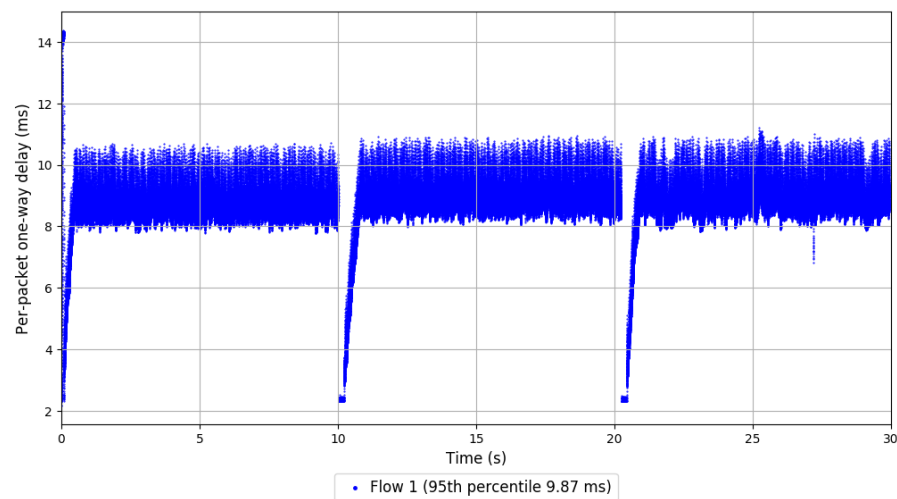
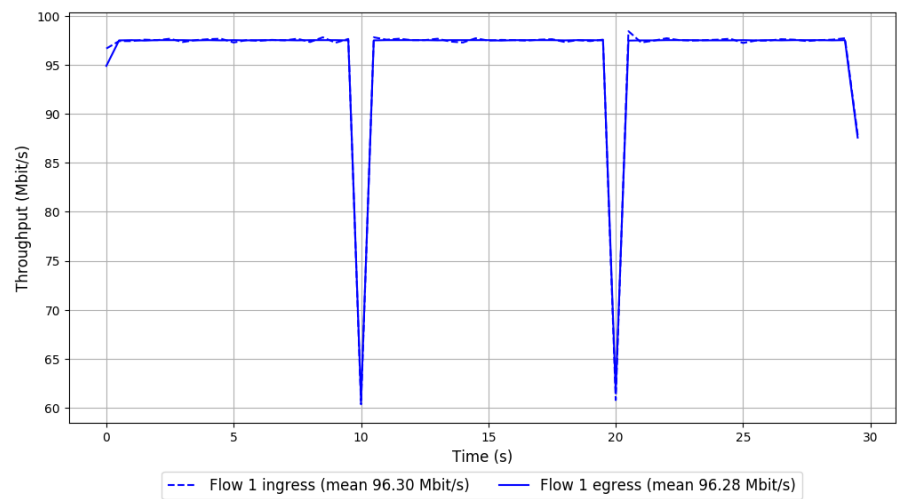
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.872 ms

Loss rate: 0.04%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-12-19 21:29:25

End at: 2017-12-19 21:29:55

Local clock offset: 0.436 ms

Remote clock offset: 0.46 ms

Below is generated by plot.py at 2017-12-20 00:58:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.934 ms

Loss rate: 0.04%

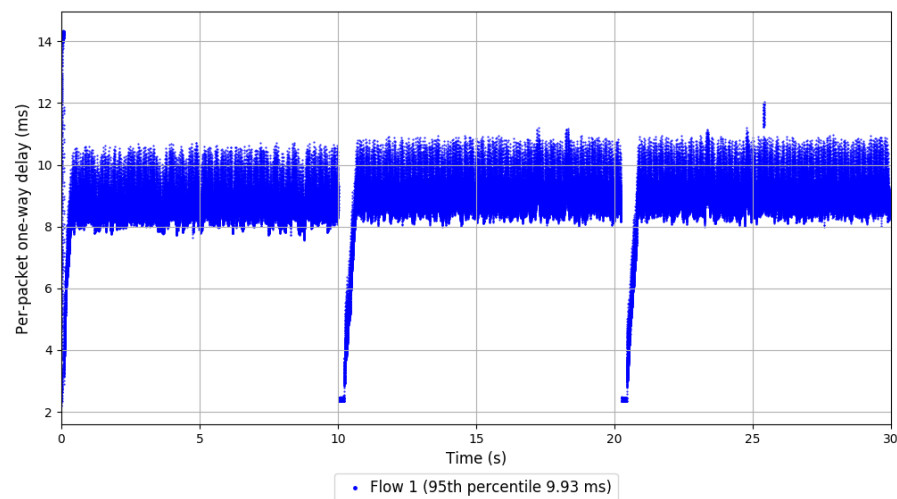
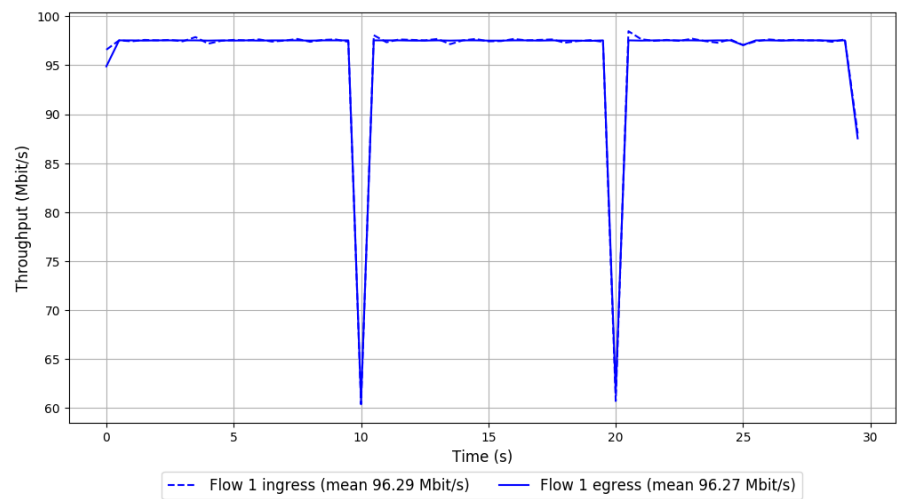
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 9.934 ms

Loss rate: 0.04%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-12-19 21:46:23

End at: 2017-12-19 21:46:54

Local clock offset: 0.298 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2017-12-20 00:59:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.705 ms

Loss rate: 0.04%

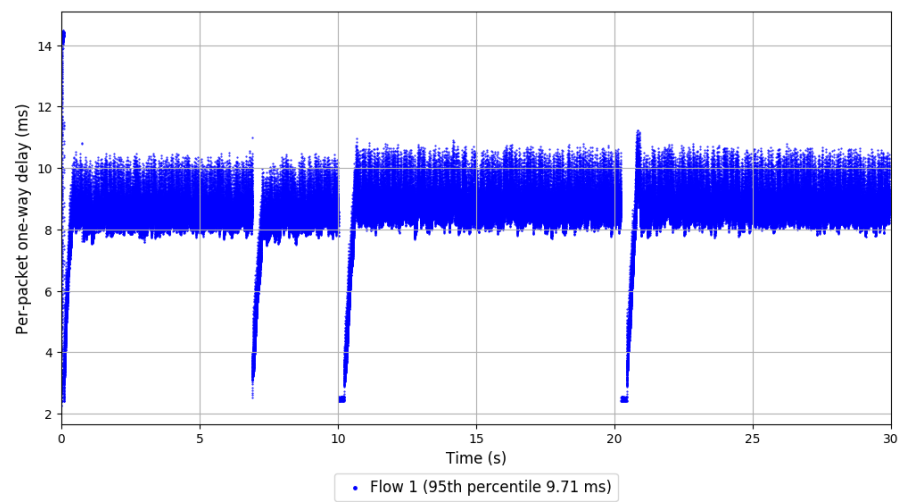
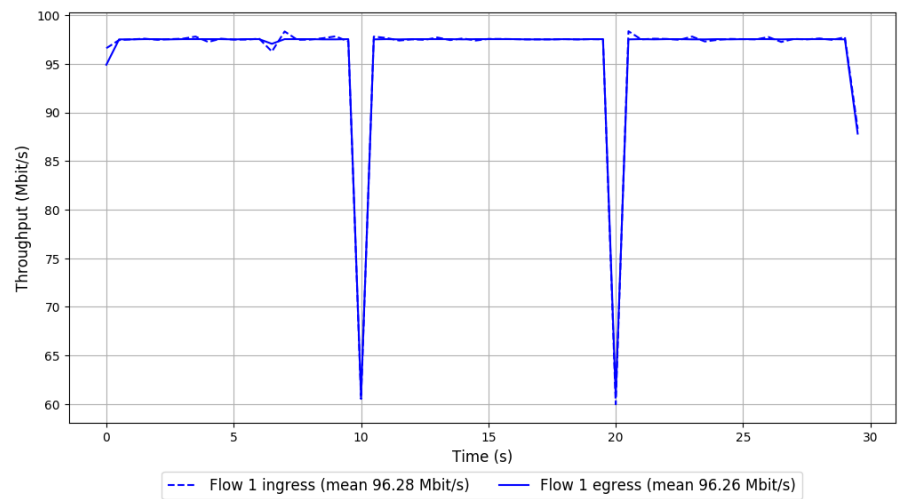
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 9.705 ms

Loss rate: 0.04%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-12-19 22:03:20

End at: 2017-12-19 22:03:50

Local clock offset: 0.234 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2017-12-20 00:59:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 9.898 ms

Loss rate: 0.04%

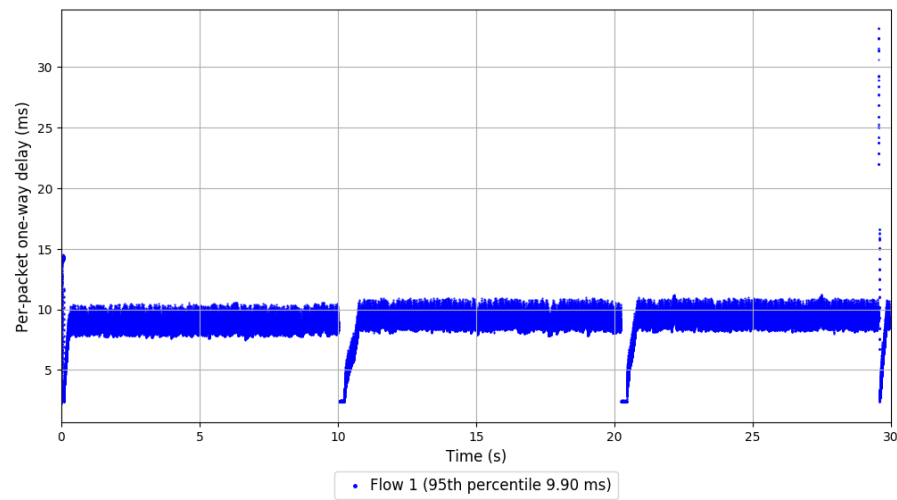
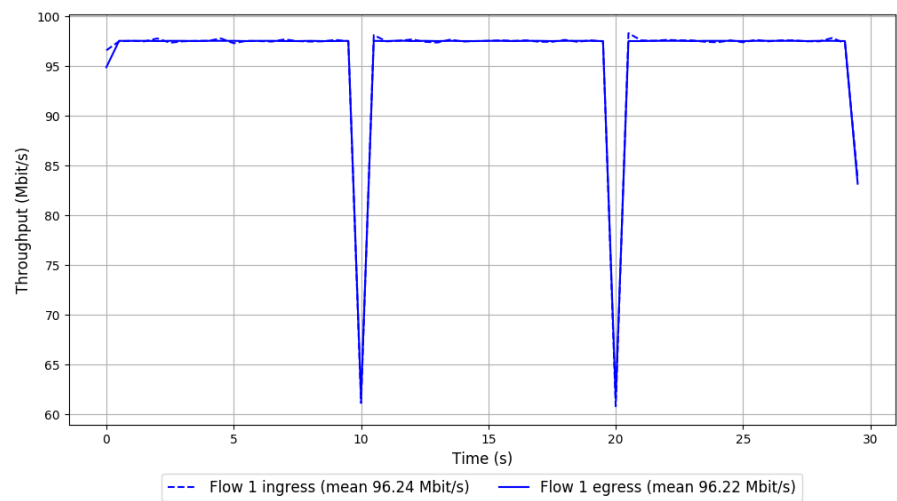
-- Flow 1:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 9.898 ms

Loss rate: 0.04%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-12-19 19:32:04

End at: 2017-12-19 19:32:34

Local clock offset: 0.727 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2017-12-20 00:59:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.338 ms

Loss rate: 0.06%

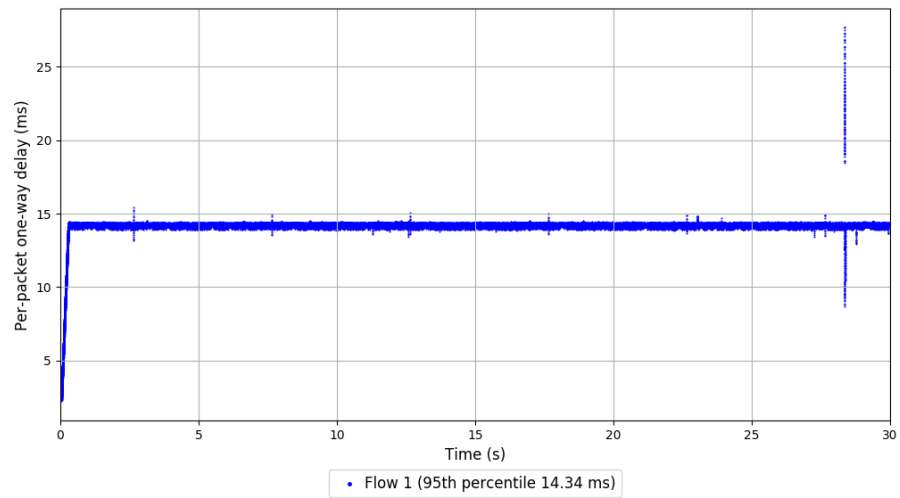
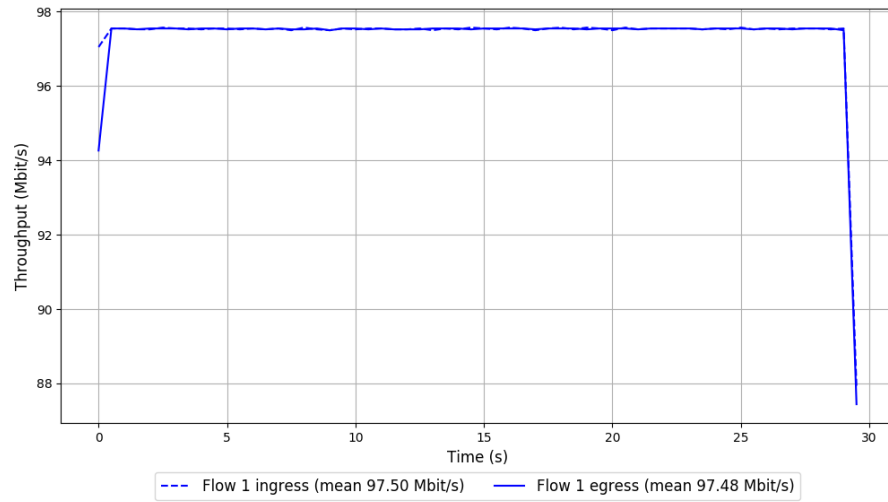
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.338 ms

Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-12-19 19:48:59

End at: 2017-12-19 19:49:29

Local clock offset: 0.866 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2017-12-20 00:59:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.379 ms

Loss rate: 0.06%

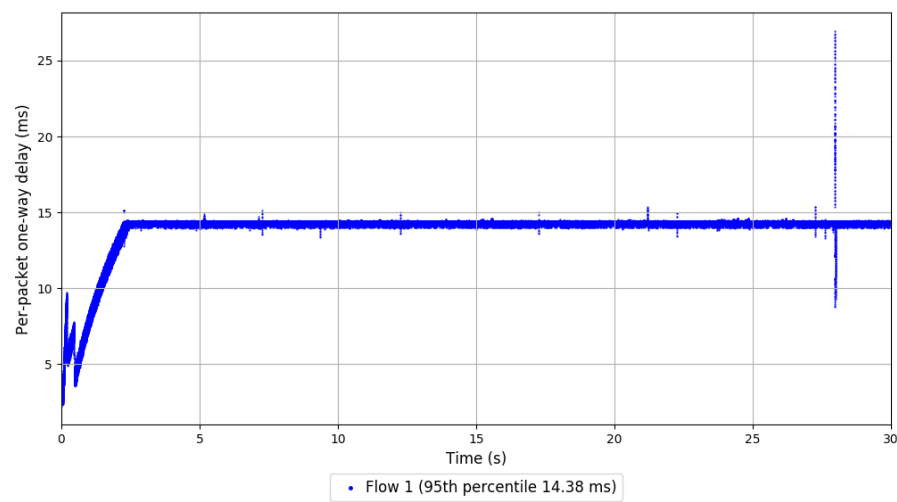
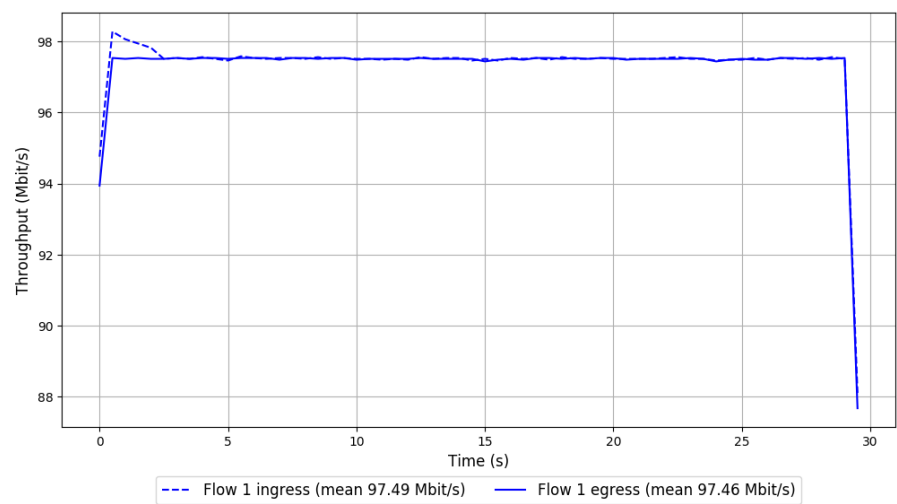
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.379 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-12-19 20:05:54

End at: 2017-12-19 20:06:24

Local clock offset: 0.615 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2017-12-20 01:00:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.358 ms

Loss rate: 0.06%

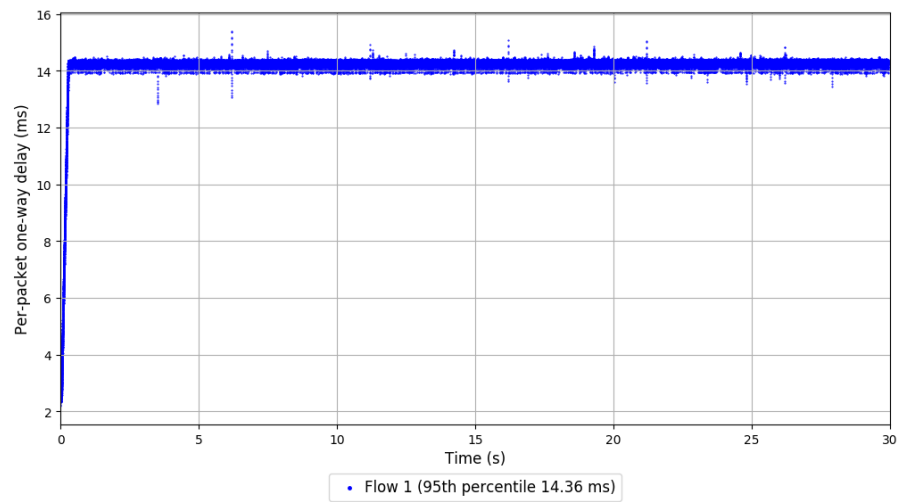
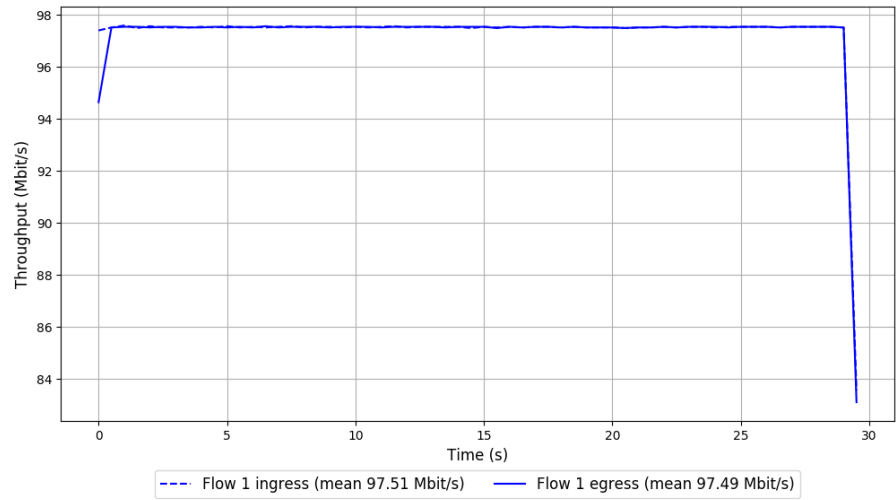
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.358 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-12-19 20:22:53

End at: 2017-12-19 20:23:23

Local clock offset: 0.532 ms

Remote clock offset: 0.519 ms

Below is generated by plot.py at 2017-12-20 01:00:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.327 ms

Loss rate: 0.06%

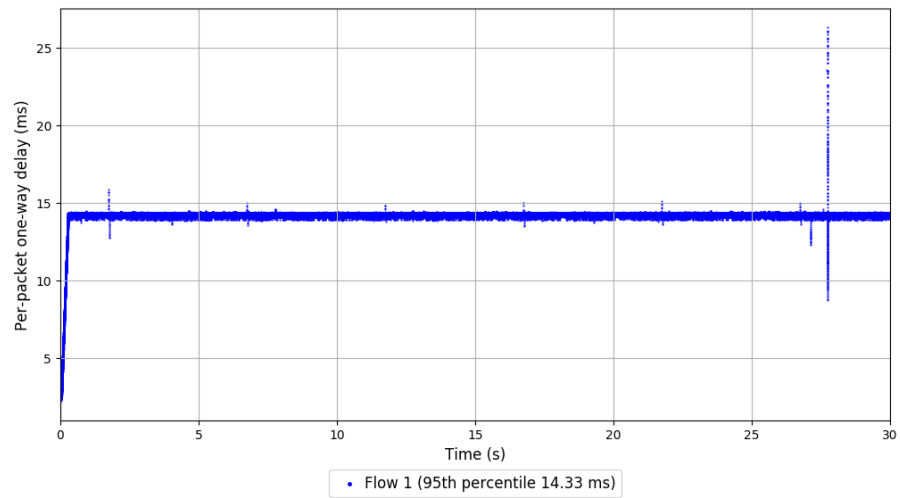
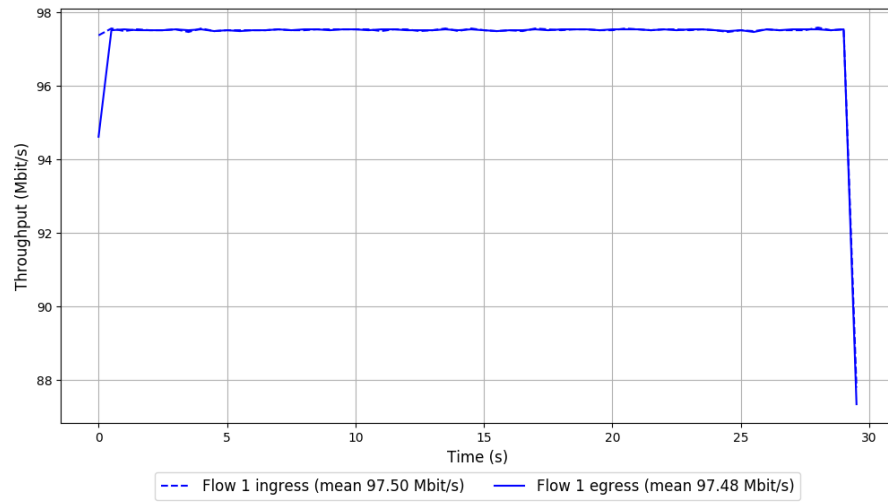
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.327 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-12-19 20:39:47

End at: 2017-12-19 20:40:17

Local clock offset: 0.055 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2017-12-20 01:00:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 14.417 ms

Loss rate: 0.06%

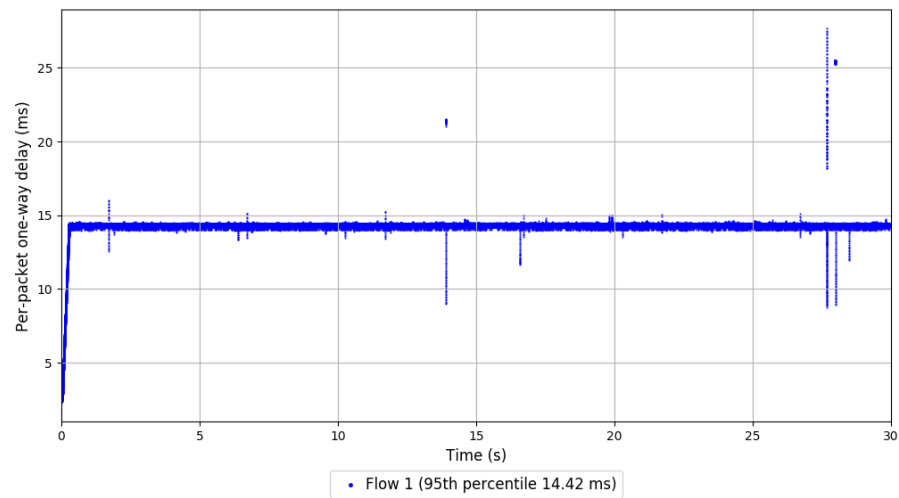
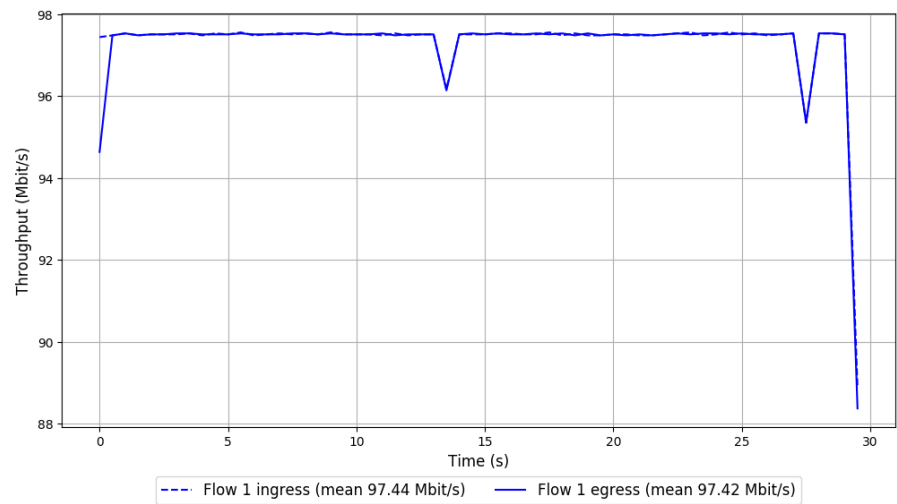
-- Flow 1:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 14.417 ms

Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-12-19 20:56:40

End at: 2017-12-19 20:57:10

Local clock offset: 0.175 ms

Remote clock offset: 0.468 ms

Below is generated by plot.py at 2017-12-20 01:00:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 14.349 ms

Loss rate: 0.06%

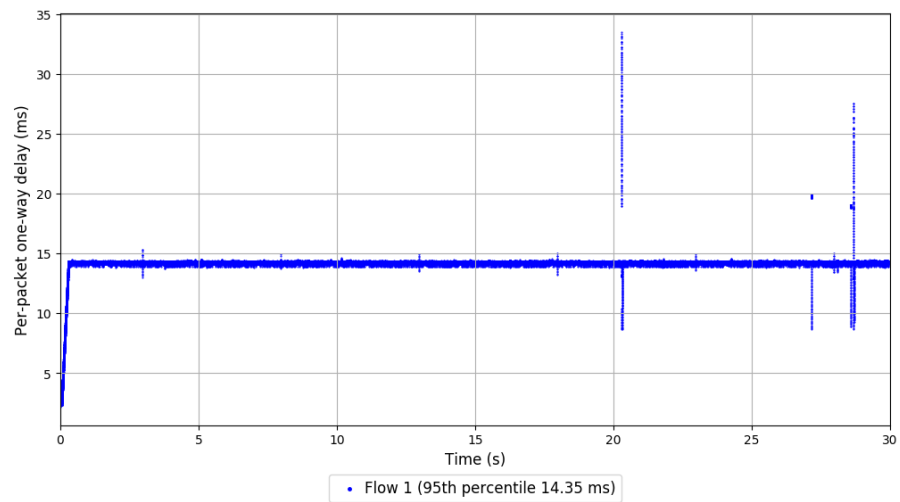
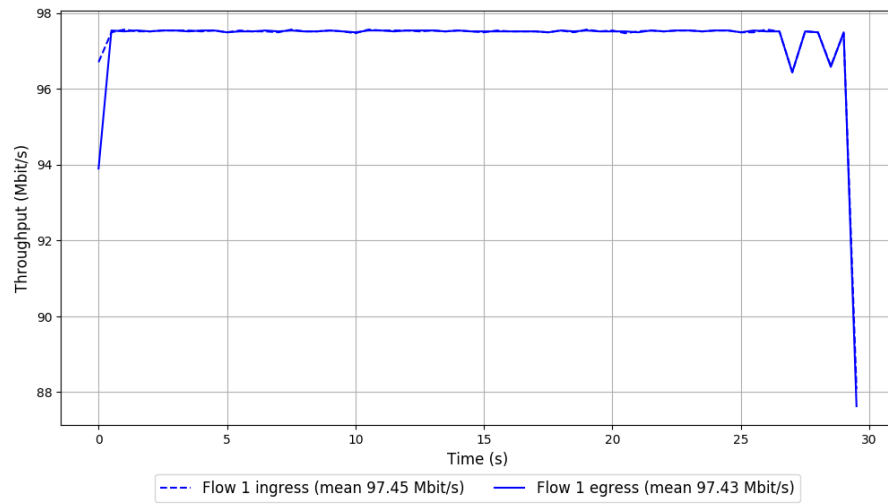
-- Flow 1:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 14.349 ms

Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-12-19 21:13:38

End at: 2017-12-19 21:14:08

Local clock offset: 0.313 ms

Remote clock offset: 0.489 ms

Below is generated by plot.py at 2017-12-20 01:01:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 14.330 ms

Loss rate: 0.06%

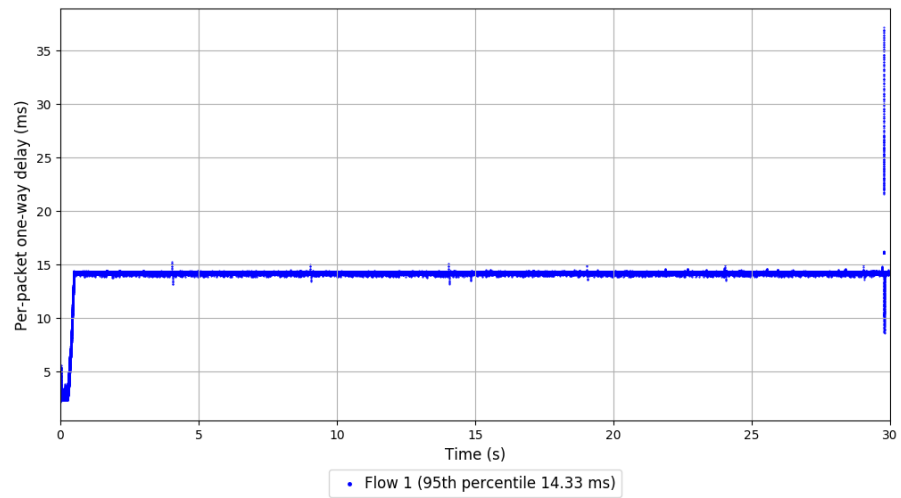
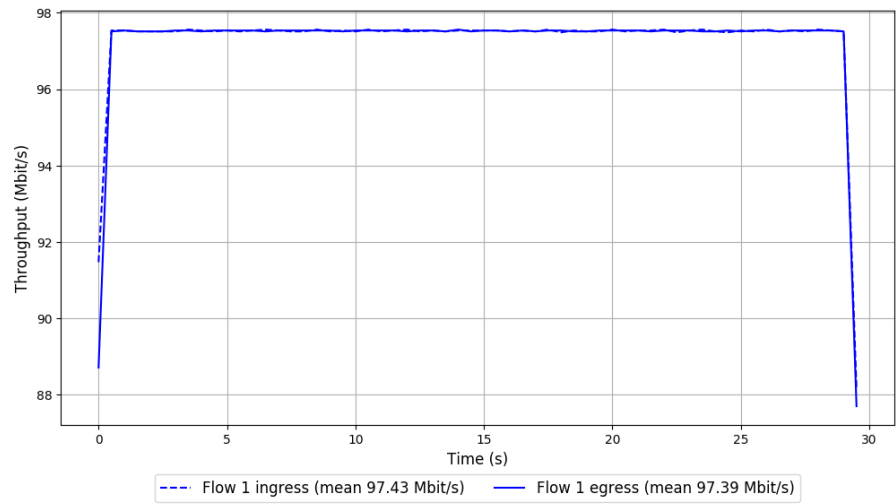
-- Flow 1:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 14.330 ms

Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-12-19 21:30:33

End at: 2017-12-19 21:31:03

Local clock offset: 0.427 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2017-12-20 01:01:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.401 ms

Loss rate: 0.06%

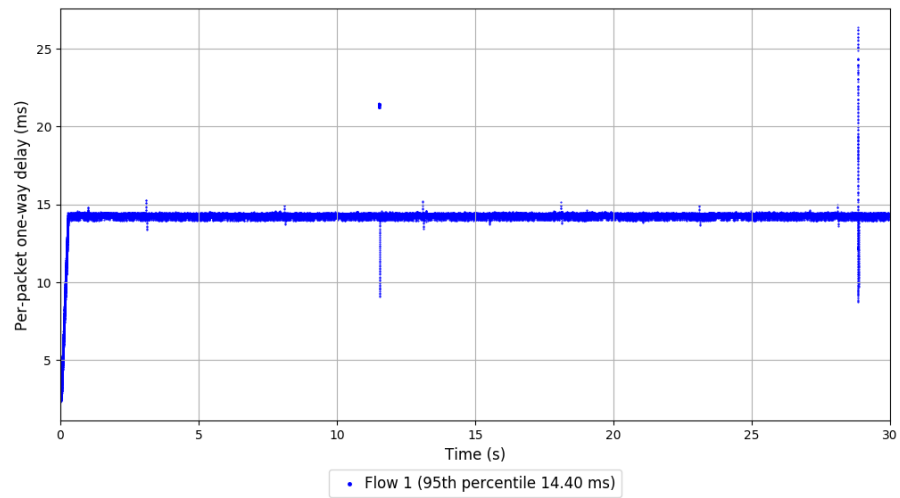
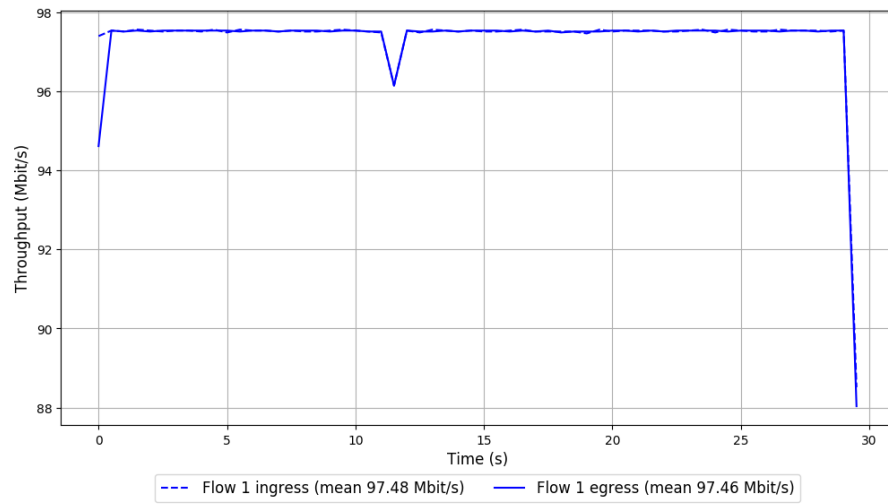
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.401 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-12-19 21:47:32

End at: 2017-12-19 21:48:02

Local clock offset: 0.3 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2017-12-20 01:01:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.366 ms

Loss rate: 0.06%

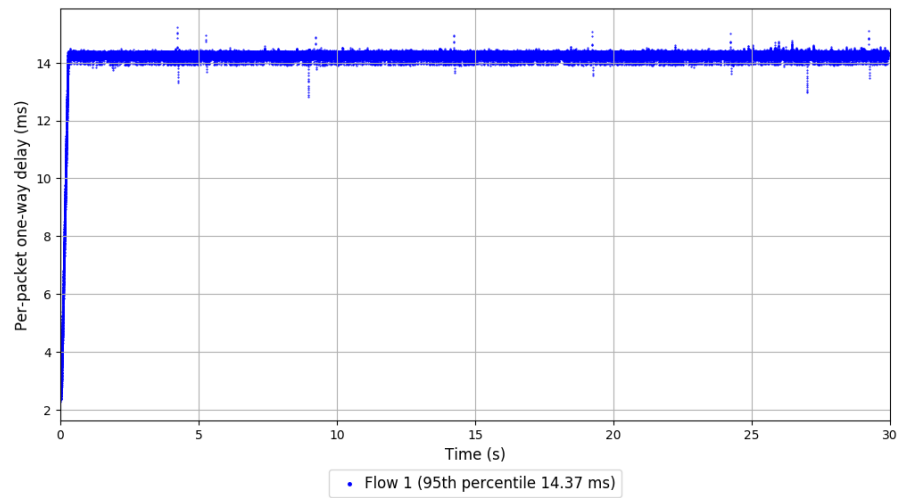
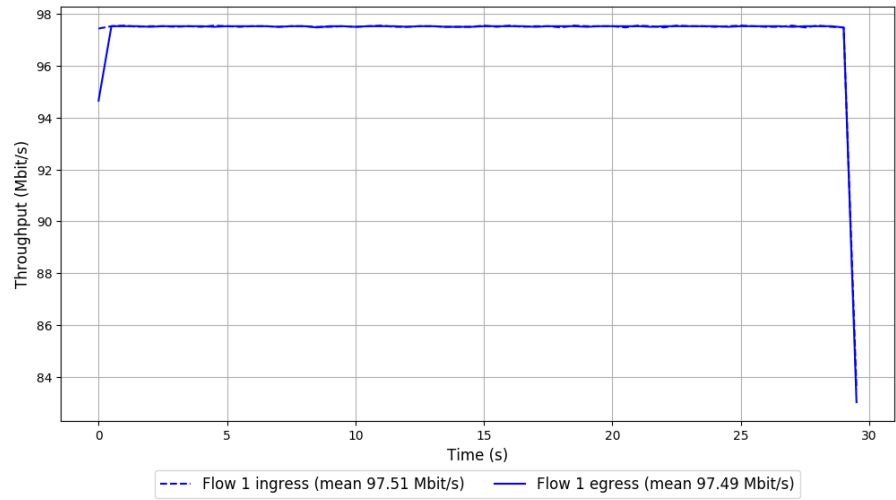
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 14.366 ms

Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-12-19 22:04:28

End at: 2017-12-19 22:04:58

Local clock offset: 0.218 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2017-12-20 01:01:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.314 ms

Loss rate: 0.06%

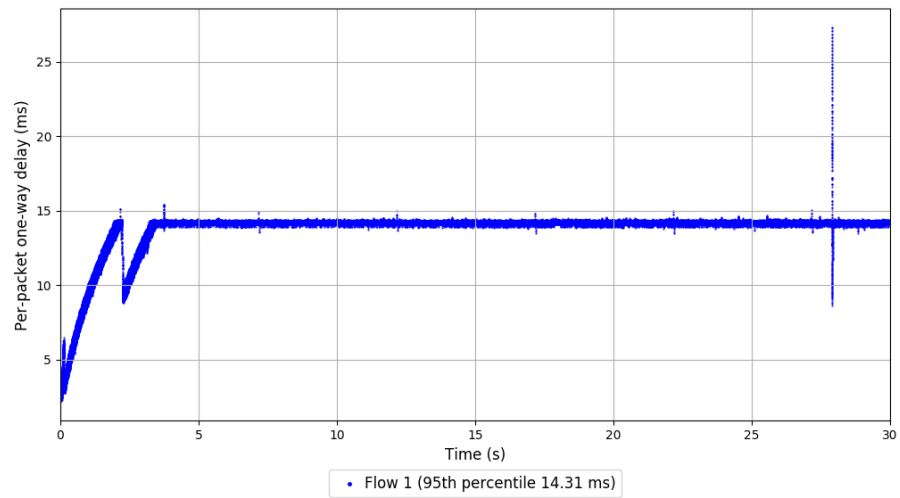
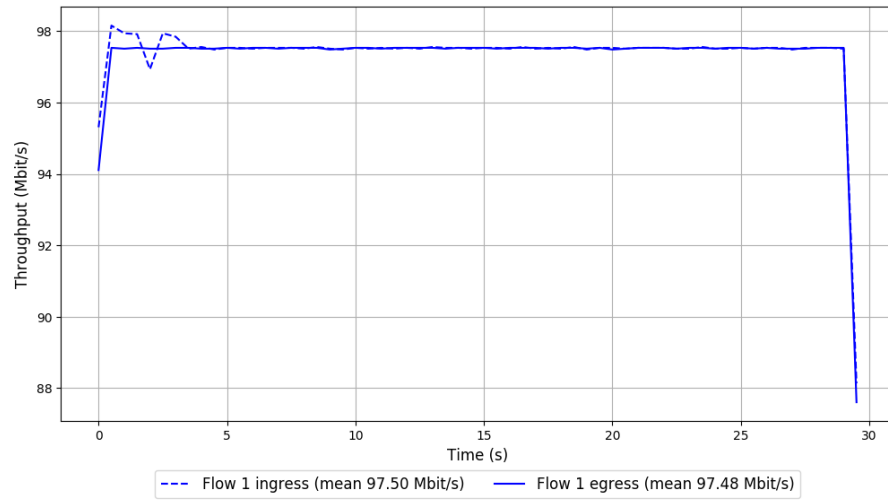
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 14.314 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link

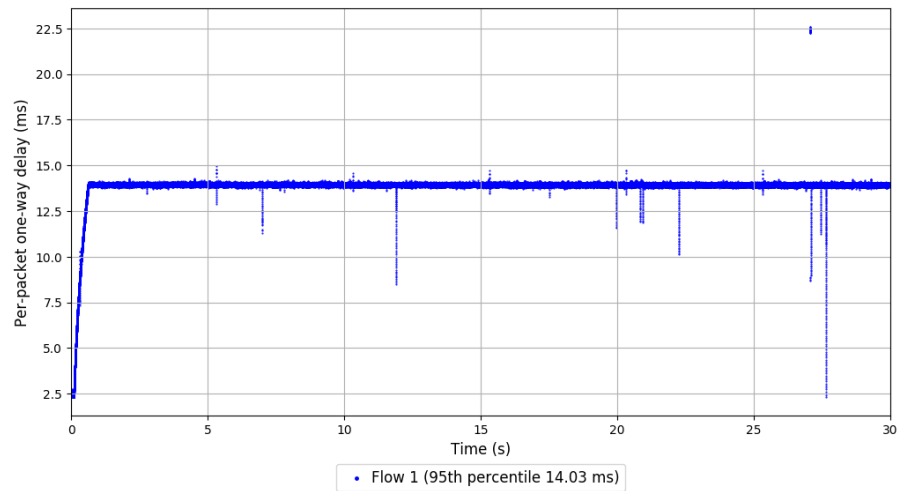
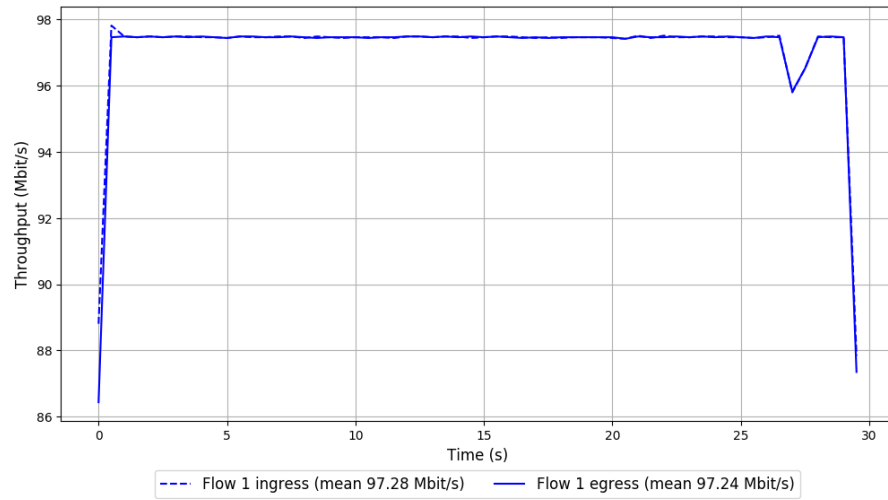


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-19 19:21:51
End at: 2017-12-19 19:22:21
Local clock offset: 0.687 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2017-12-20 01:01:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 14.034 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 14.034 ms
Loss rate: 0.06%
```


Run 1: Report of LEDBAT — Data Link

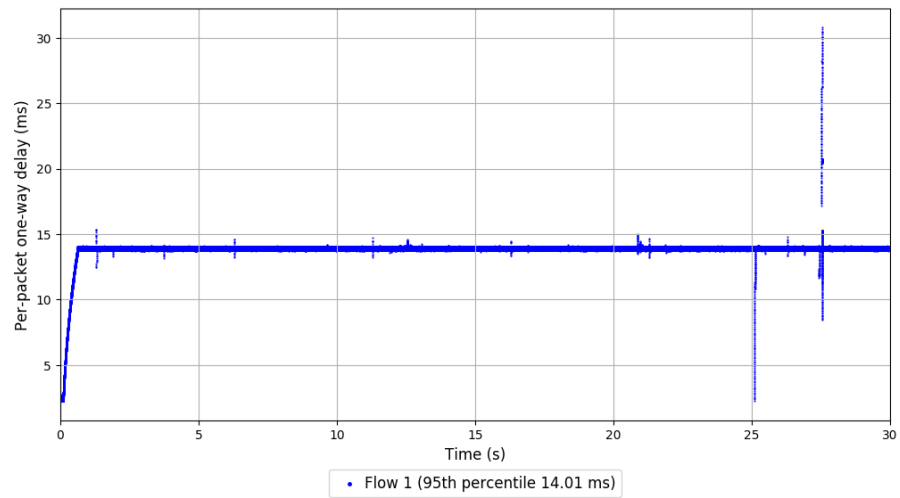
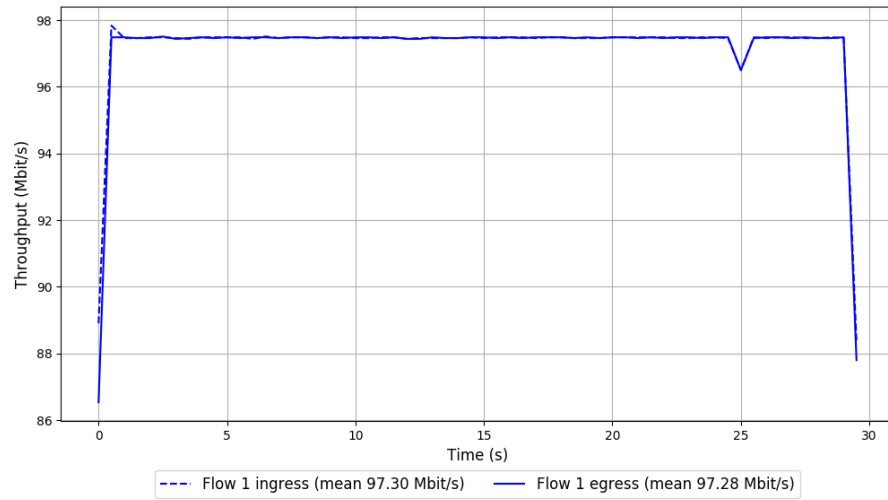


```
Run 2: Statistics of LEDBAT

Start at: 2017-12-19 19:38:50
End at: 2017-12-19 19:39:20
Local clock offset: 0.57 ms
Remote clock offset: 0.219 ms

# Below is generated by plot.py at 2017-12-20 01:01:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.013 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.013 ms
Loss rate: 0.06%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-12-19 19:55:45

End at: 2017-12-19 19:56:15

Local clock offset: 0.715 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2017-12-20 01:01:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 14.102 ms

Loss rate: 0.05%

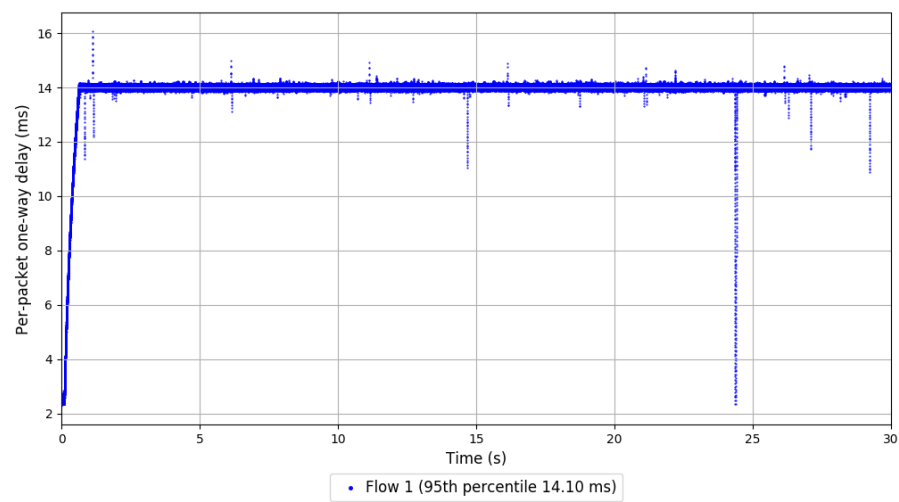
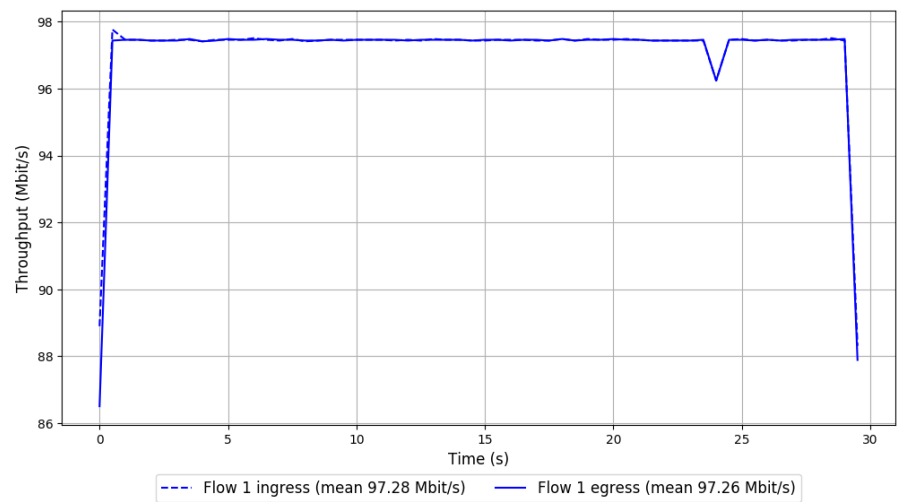
-- Flow 1:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 14.102 ms

Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-12-19 20:12:39

End at: 2017-12-19 20:13:09

Local clock offset: 0.572 ms

Remote clock offset: 0.435 ms

Below is generated by plot.py at 2017-12-20 01:01:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.144 ms

Loss rate: 0.06%

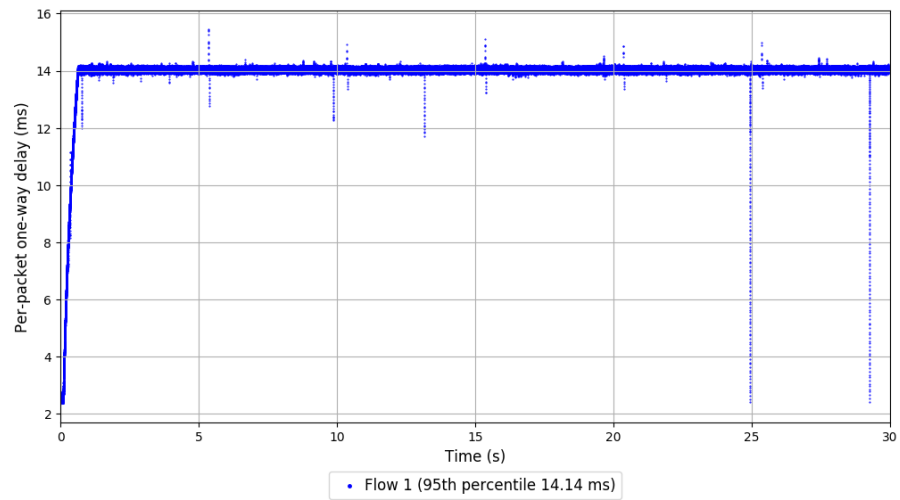
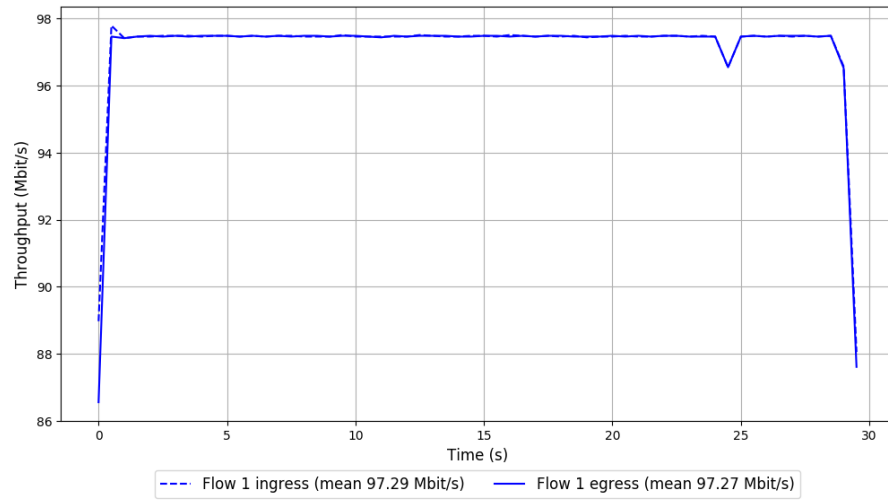
-- Flow 1:

Average throughput: 97.27 Mbit/s

95th percentile per-packet one-way delay: 14.144 ms

Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-12-19 20:29:38

End at: 2017-12-19 20:30:08

Local clock offset: 0.331 ms

Remote clock offset: 0.508 ms

Below is generated by plot.py at 2017-12-20 01:02:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 14.090 ms

Loss rate: 0.06%

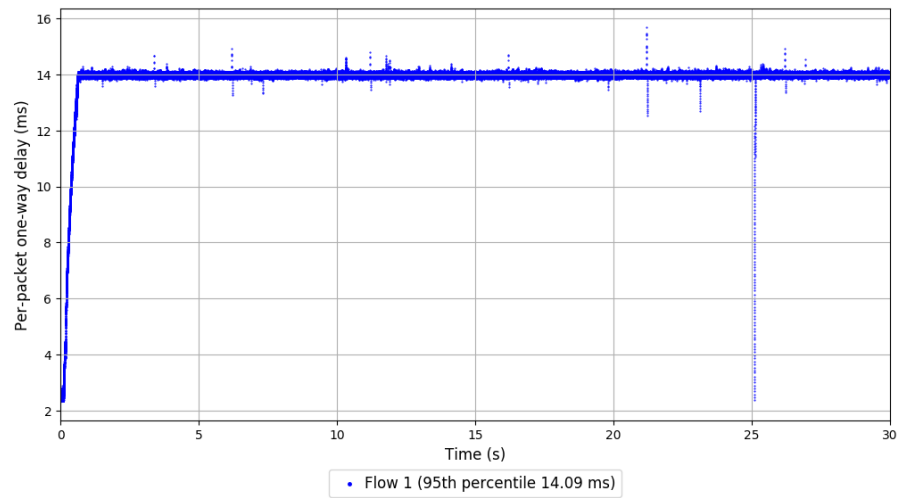
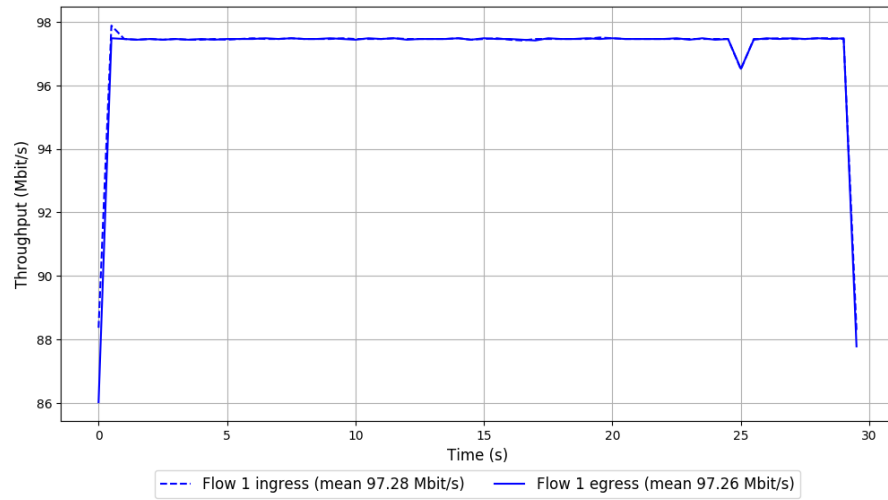
-- Flow 1:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 14.090 ms

Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-12-19 20:46:32

End at: 2017-12-19 20:47:02

Local clock offset: 0.023 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2017-12-20 01:02:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 14.057 ms

Loss rate: 0.06%

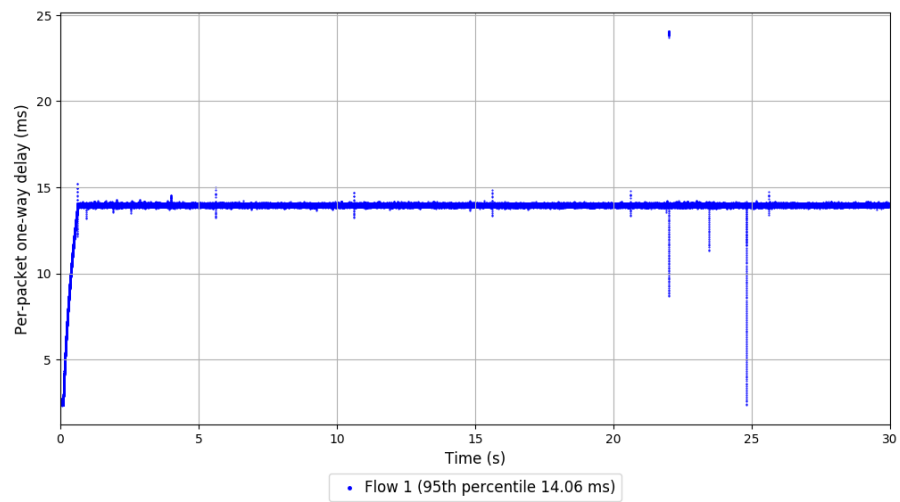
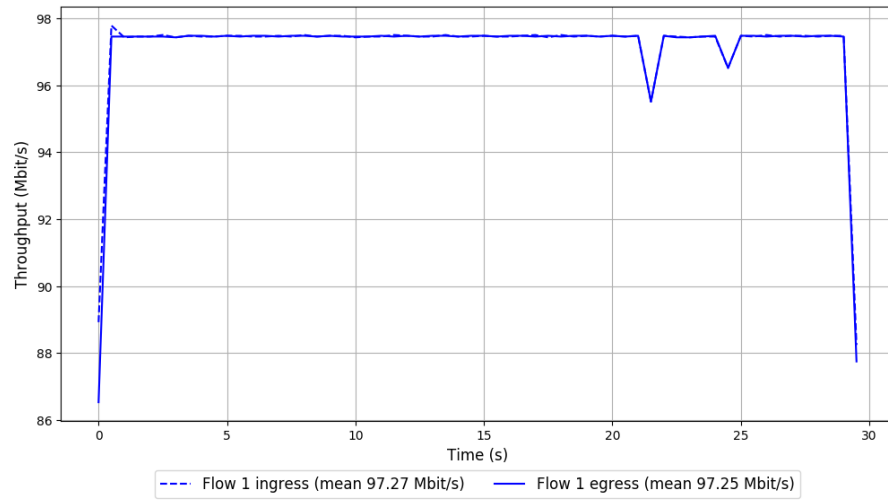
-- Flow 1:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 14.057 ms

Loss rate: 0.06%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-12-19 21:03:27

End at: 2017-12-19 21:03:57

Local clock offset: 0.153 ms

Remote clock offset: 0.507 ms

Below is generated by plot.py at 2017-12-20 01:02:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 14.000 ms

Loss rate: 0.06%

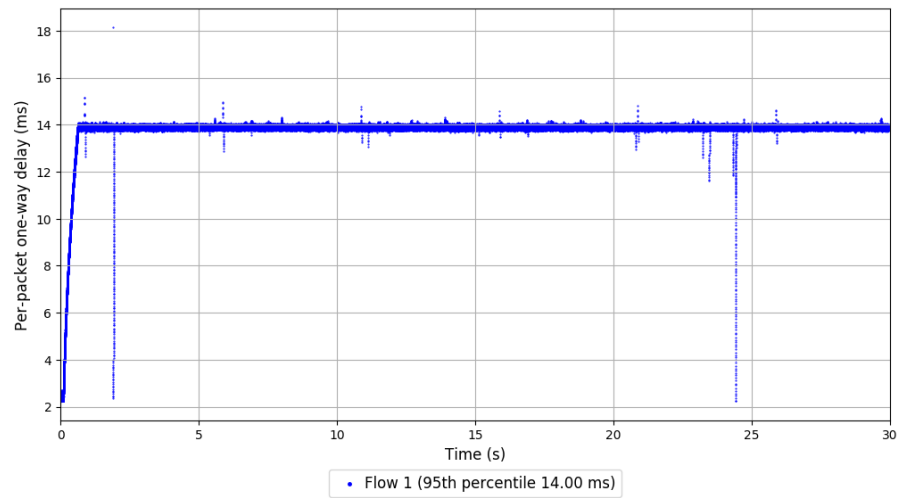
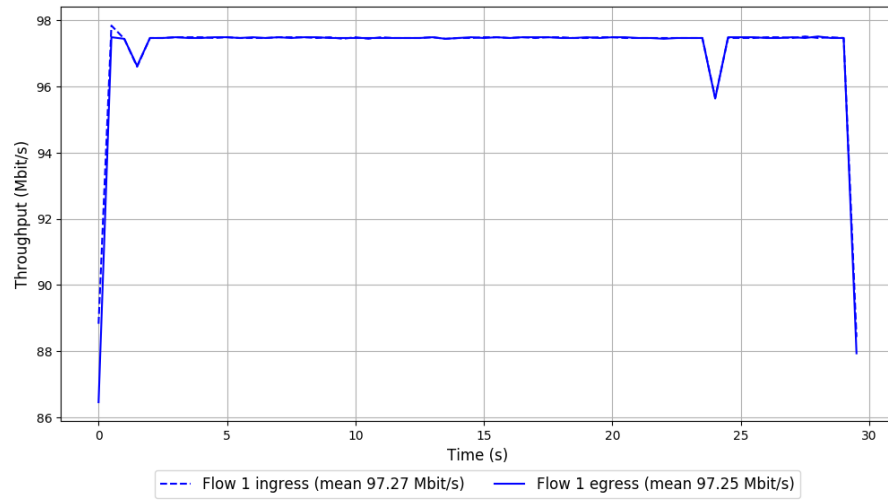
-- Flow 1:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 14.000 ms

Loss rate: 0.06%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-12-19 21:20:24

End at: 2017-12-19 21:20:54

Local clock offset: 0.391 ms

Remote clock offset: 0.496 ms

Below is generated by plot.py at 2017-12-20 01:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.062 ms

Loss rate: 0.06%

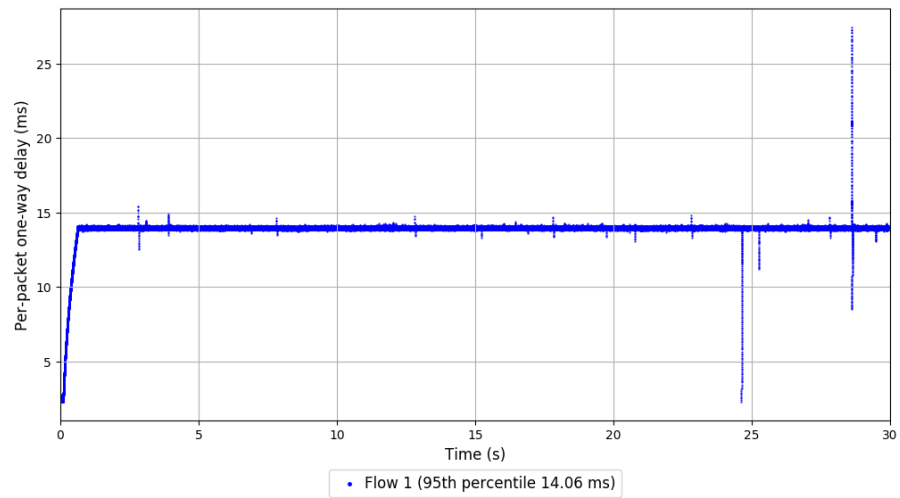
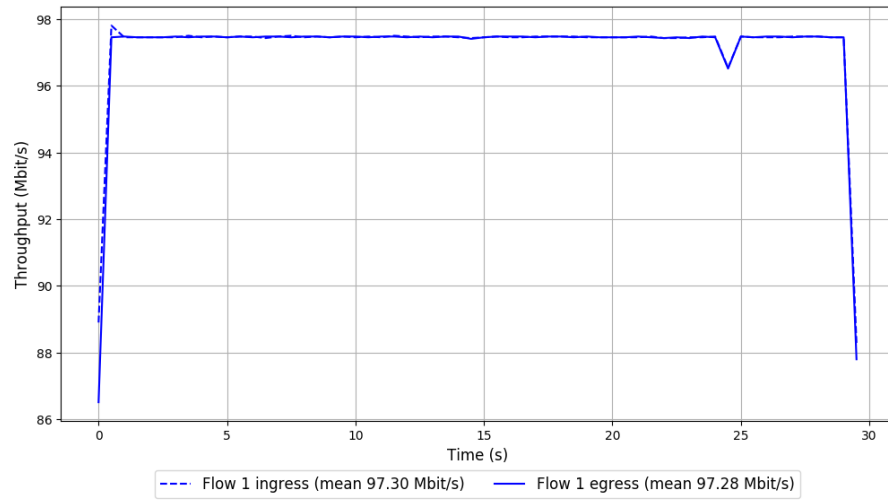
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.062 ms

Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-12-19 21:37:18

End at: 2017-12-19 21:37:48

Local clock offset: 0.32 ms

Remote clock offset: 0.364 ms

Below is generated by plot.py at 2017-12-20 01:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.065 ms

Loss rate: 0.06%

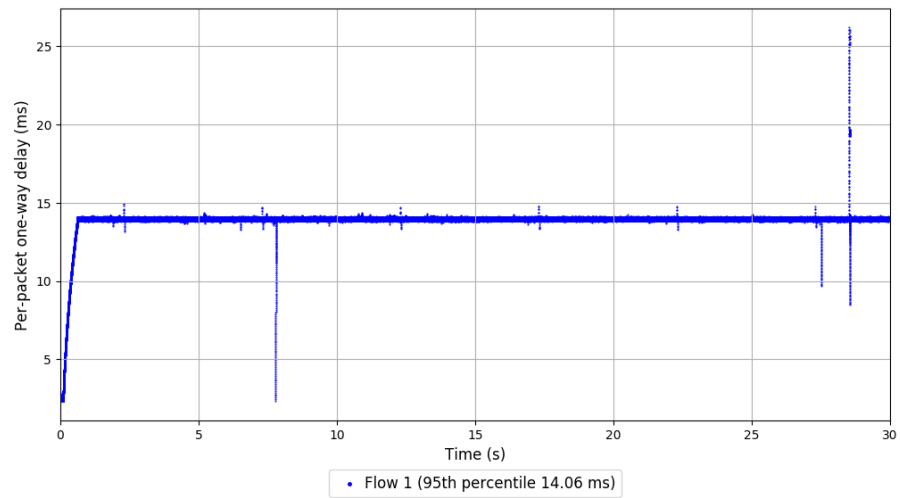
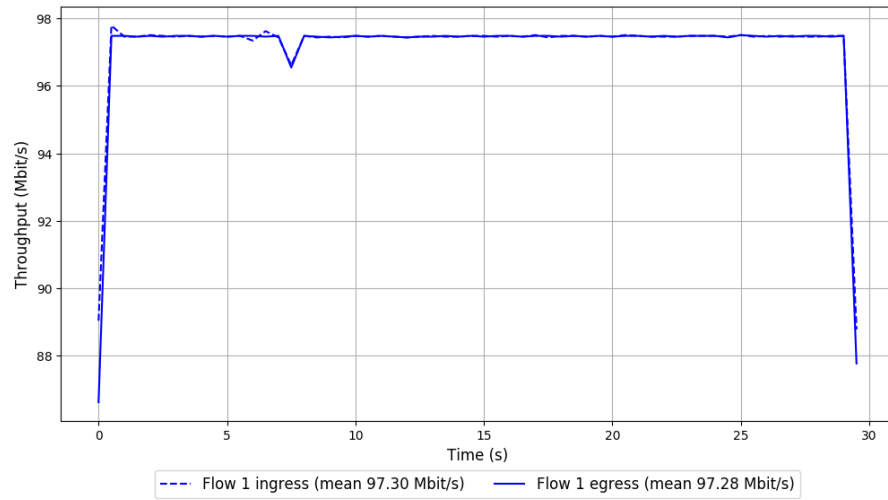
-- Flow 1:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 14.065 ms

Loss rate: 0.06%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-12-19 21:54:18

End at: 2017-12-19 21:54:48

Local clock offset: 0.227 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2017-12-20 01:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 14.116 ms

Loss rate: 0.06%

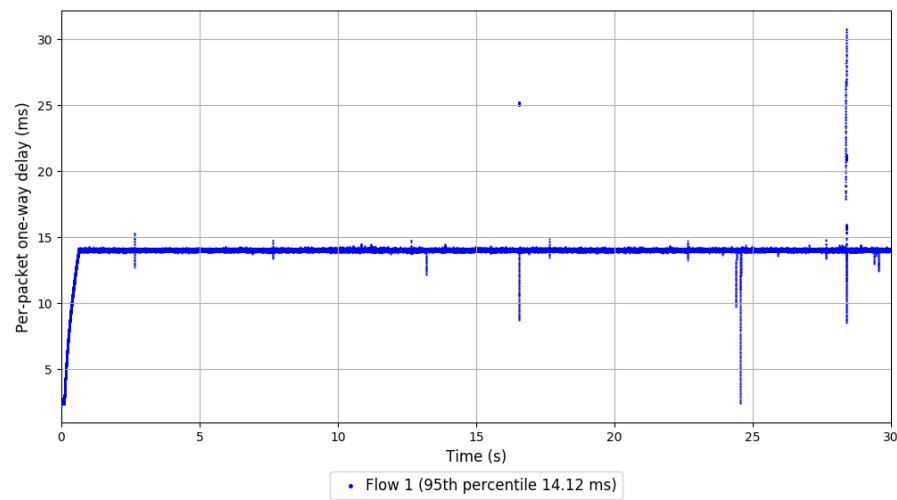
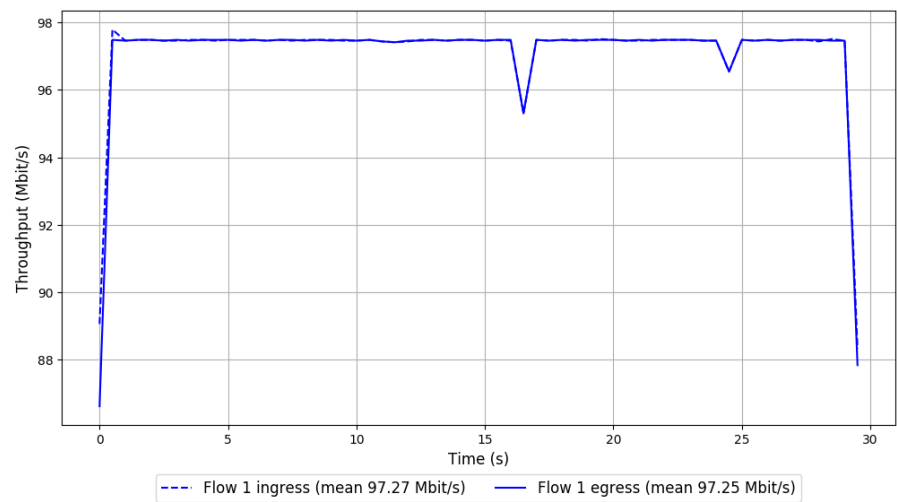
-- Flow 1:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 14.116 ms

Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link

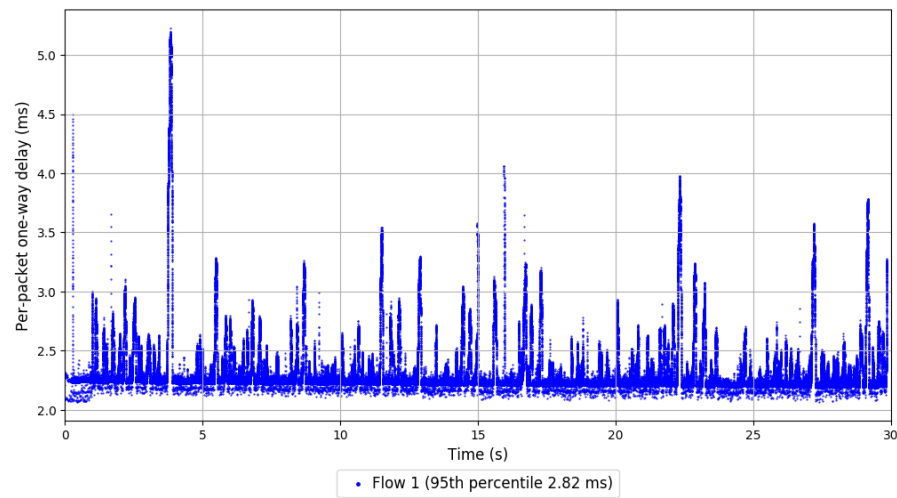
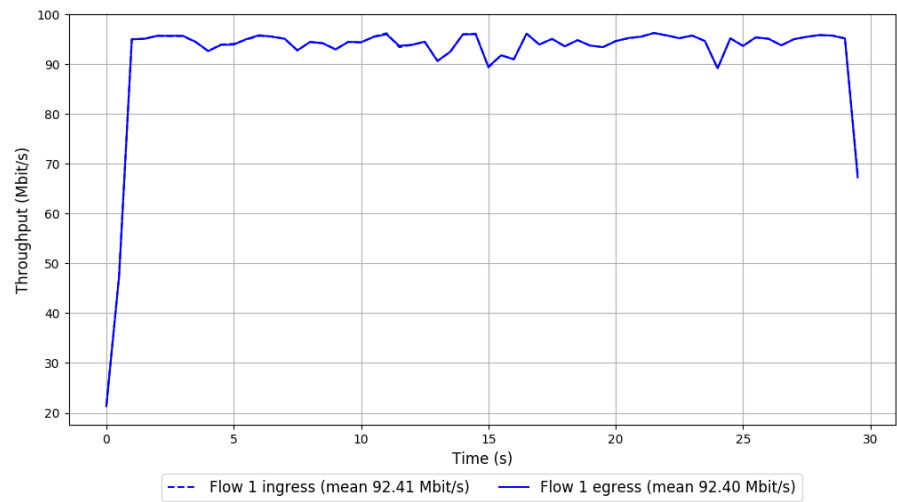


```
Run 1: Statistics of PCC

Start at: 2017-12-19 19:16:14
End at: 2017-12-19 19:16:44
Local clock offset: 0.467 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2017-12-20 01:02:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 2.818 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 2.818 ms
Loss rate: 0.02%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-12-19 19:33:12

End at: 2017-12-19 19:33:42

Local clock offset: 0.732 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2017-12-20 01:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 3.076 ms

Loss rate: 0.01%

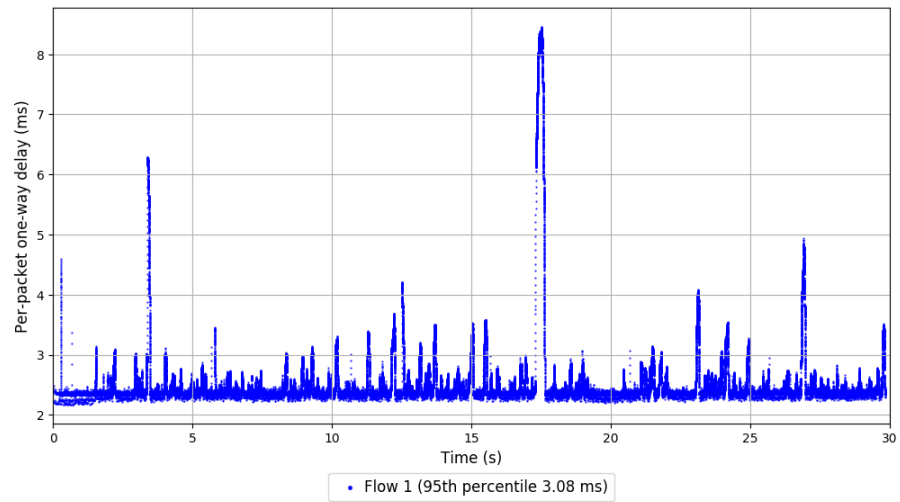
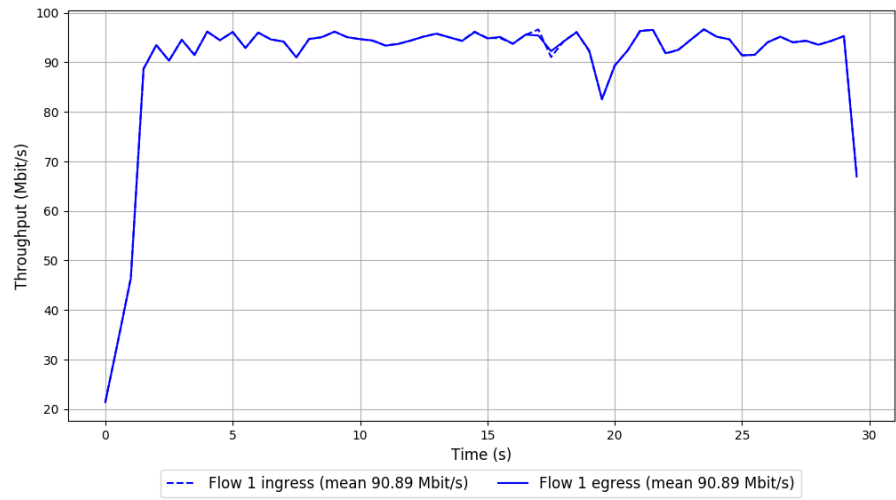
-- Flow 1:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 3.076 ms

Loss rate: 0.01%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-12-19 19:50:07

End at: 2017-12-19 19:50:37

Local clock offset: 0.827 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2017-12-20 01:04:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 3.050 ms

Loss rate: 0.02%

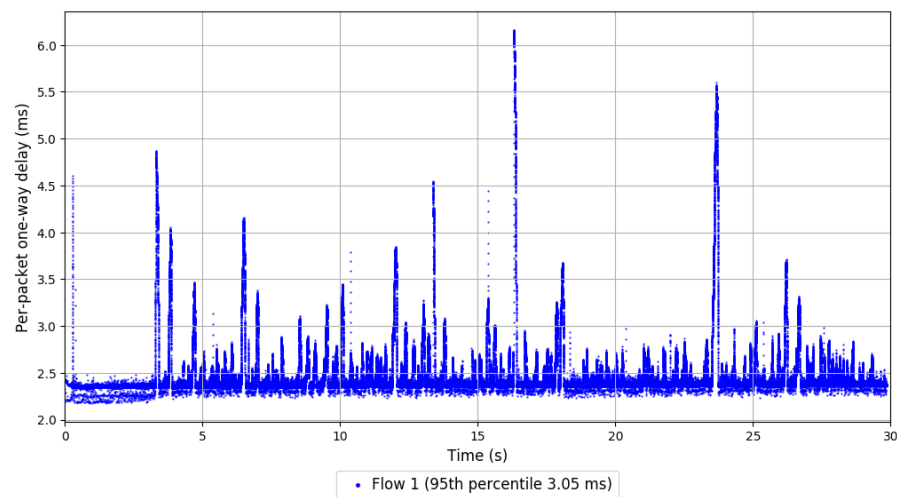
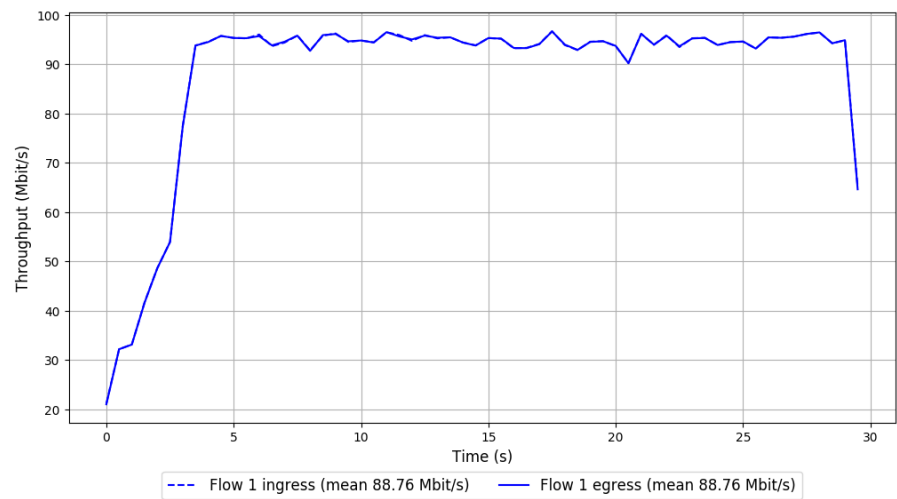
-- Flow 1:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 3.050 ms

Loss rate: 0.02%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-12-19 20:07:02

End at: 2017-12-19 20:07:32

Local clock offset: 0.525 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2017-12-20 01:04:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 2.964 ms

Loss rate: 0.01%

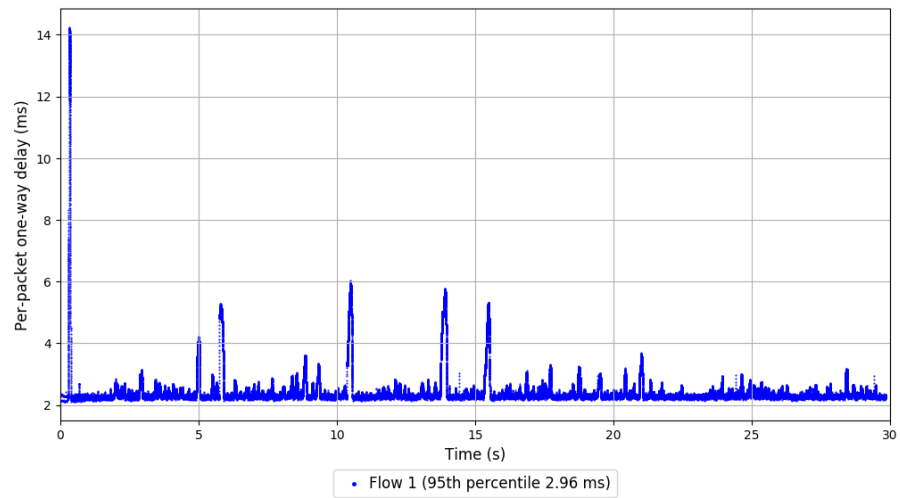
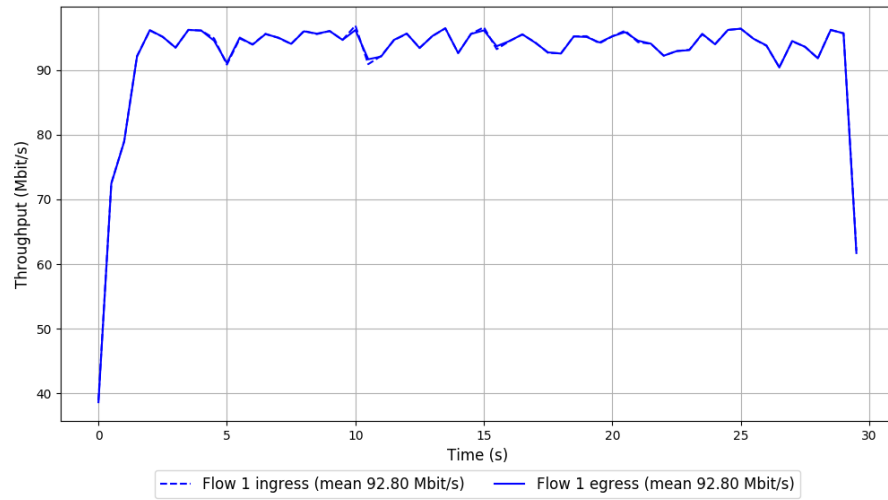
-- Flow 1:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 2.964 ms

Loss rate: 0.01%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-12-19 20:24:01

End at: 2017-12-19 20:24:31

Local clock offset: 0.503 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2017-12-20 01:04:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 2.876 ms

Loss rate: 0.02%

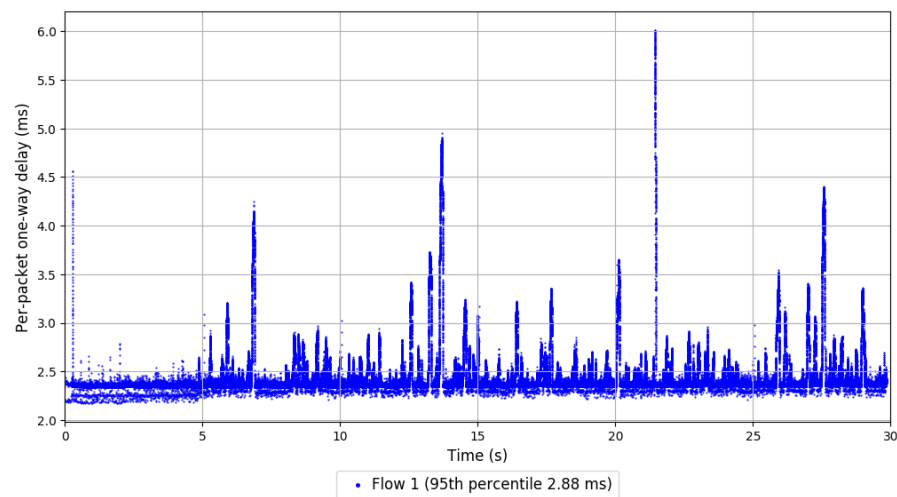
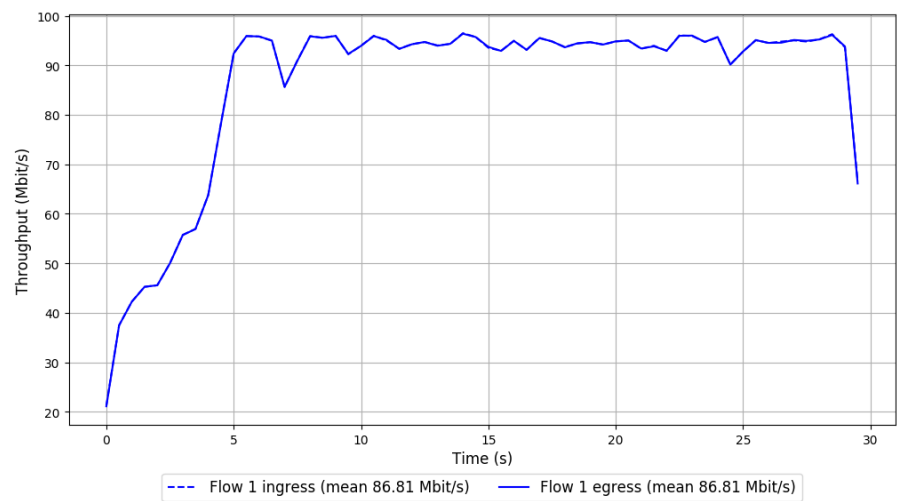
-- Flow 1:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 2.876 ms

Loss rate: 0.02%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-12-19 20:40:55

End at: 2017-12-19 20:41:25

Local clock offset: 0.05 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2017-12-20 01:04:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 2.880 ms

Loss rate: 0.02%

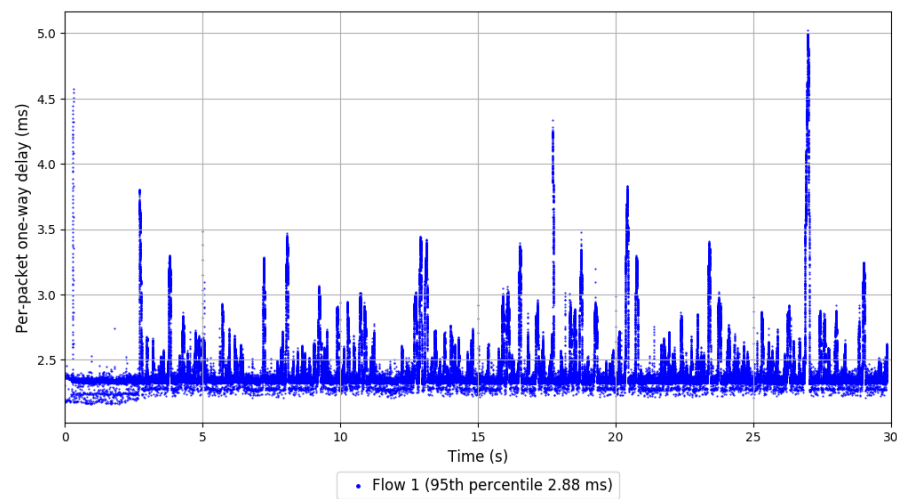
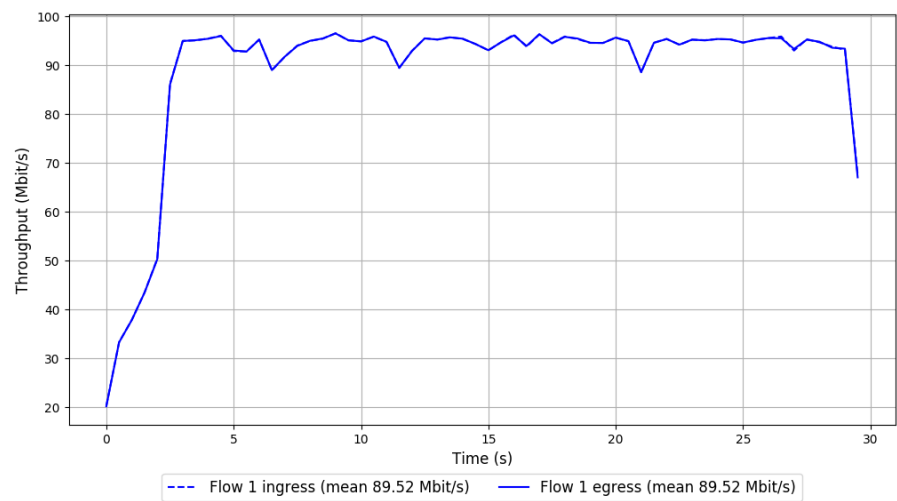
-- Flow 1:

Average throughput: 89.52 Mbit/s

95th percentile per-packet one-way delay: 2.880 ms

Loss rate: 0.02%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-12-19 20:57:49

End at: 2017-12-19 20:58:19

Local clock offset: 0.108 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2017-12-20 01:04:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 2.892 ms

Loss rate: 0.02%

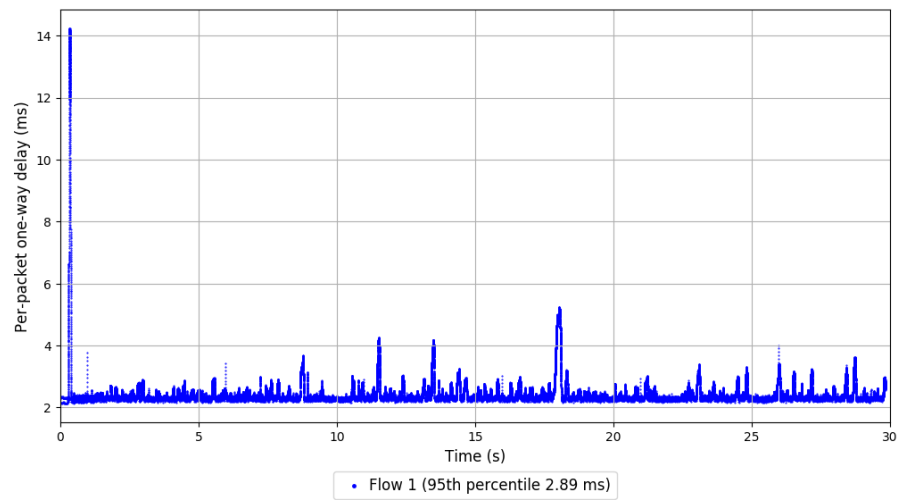
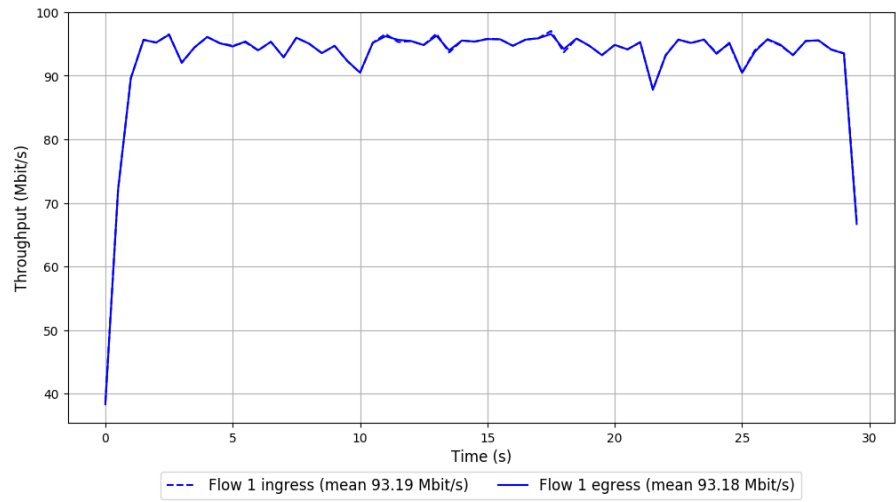
-- Flow 1:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 2.892 ms

Loss rate: 0.02%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-12-19 21:14:46

End at: 2017-12-19 21:15:16

Local clock offset: 0.327 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2017-12-20 01:04:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 3.036 ms

Loss rate: 0.01%

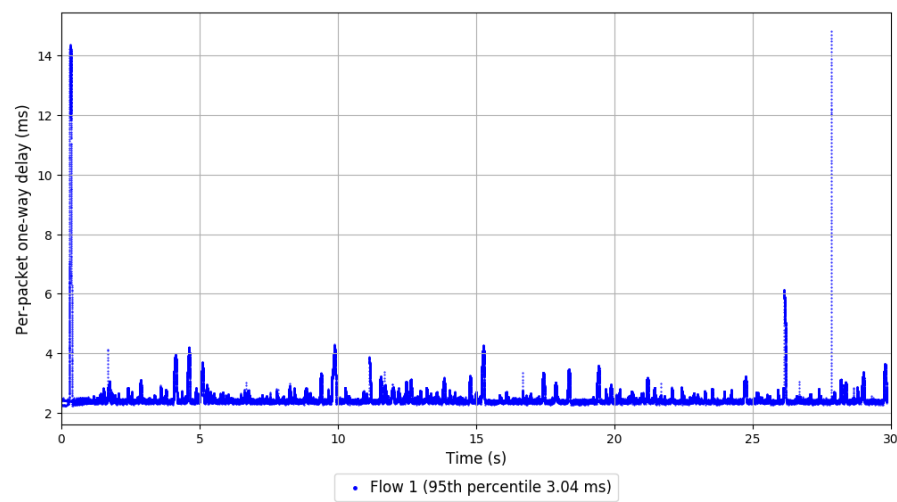
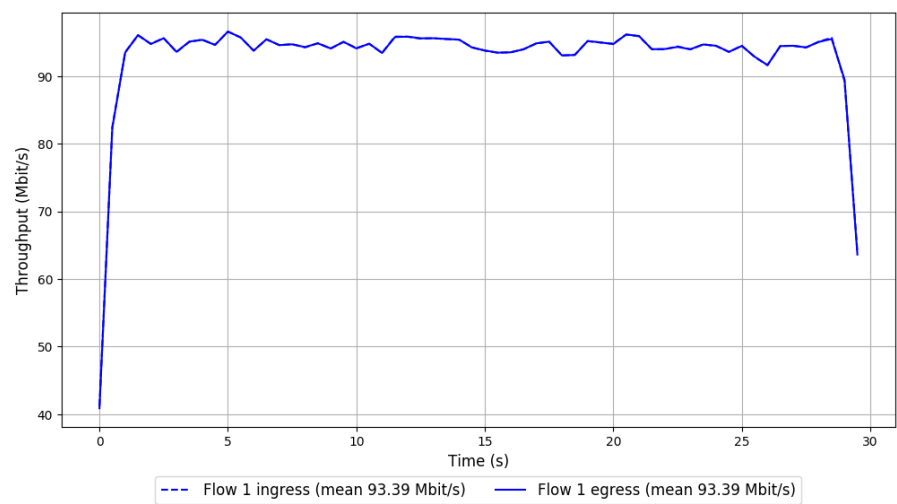
-- Flow 1:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 3.036 ms

Loss rate: 0.01%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-12-19 21:31:41

End at: 2017-12-19 21:32:11

Local clock offset: 0.433 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2017-12-20 01:04:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 2.839 ms

Loss rate: 0.02%

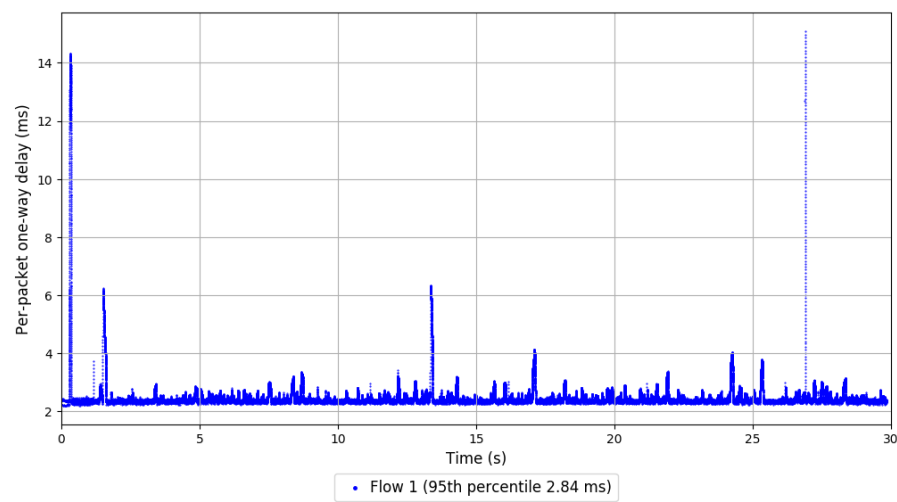
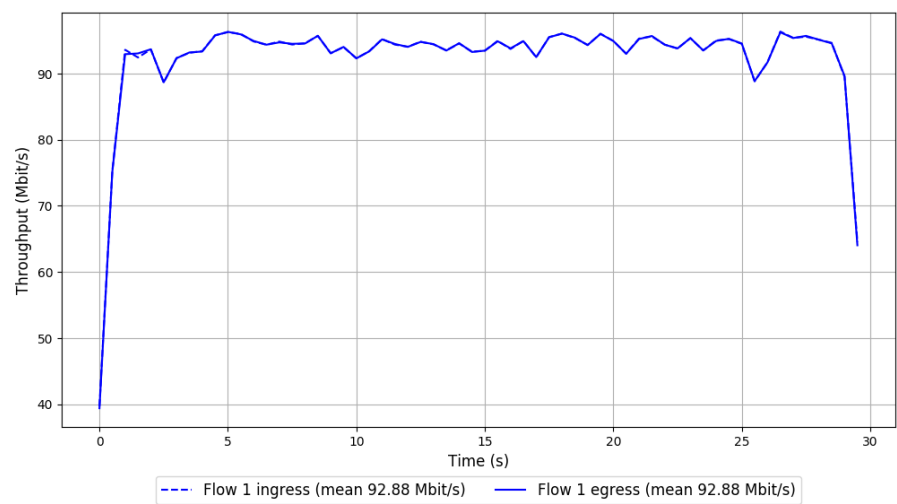
-- Flow 1:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 2.839 ms

Loss rate: 0.02%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-12-19 21:48:40

End at: 2017-12-19 21:49:10

Local clock offset: 0.266 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2017-12-20 01:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 3.112 ms

Loss rate: 0.02%

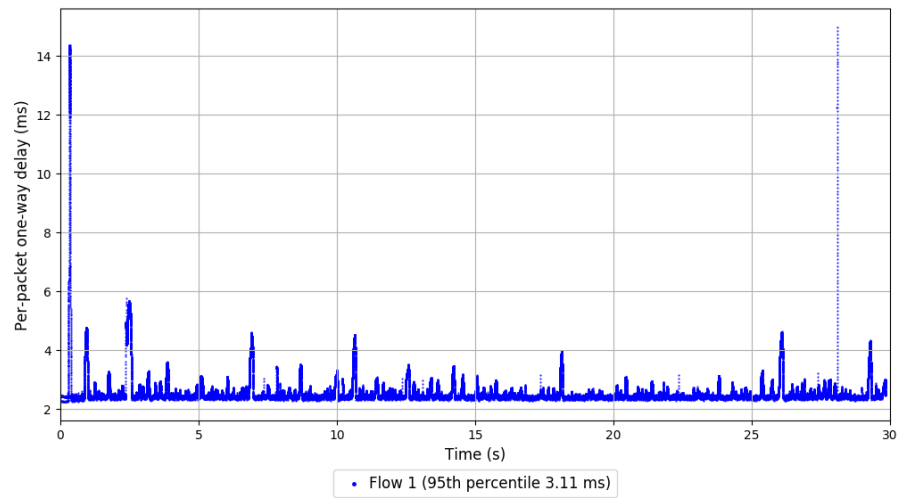
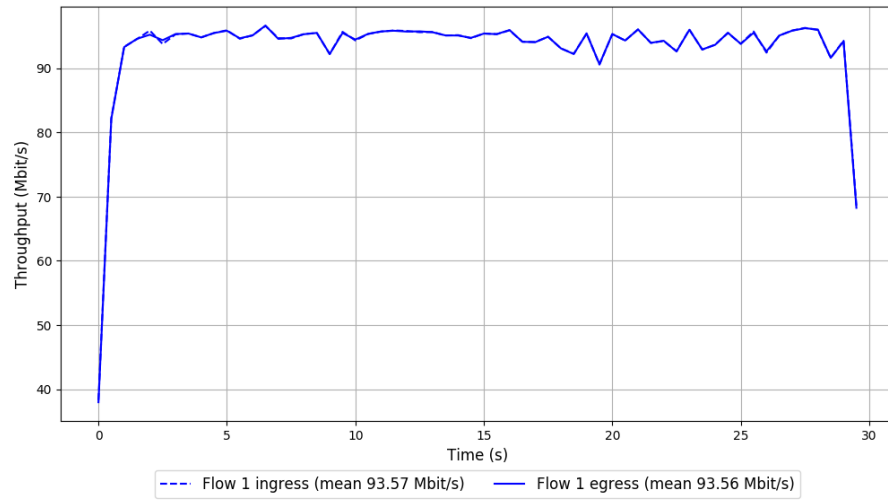
-- Flow 1:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 3.112 ms

Loss rate: 0.02%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-12-19 19:29:48

End at: 2017-12-19 19:30:18

Local clock offset: 0.729 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2017-12-20 01:05:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.82 Mbit/s

95th percentile per-packet one-way delay: 2.539 ms

Loss rate: 0.02%

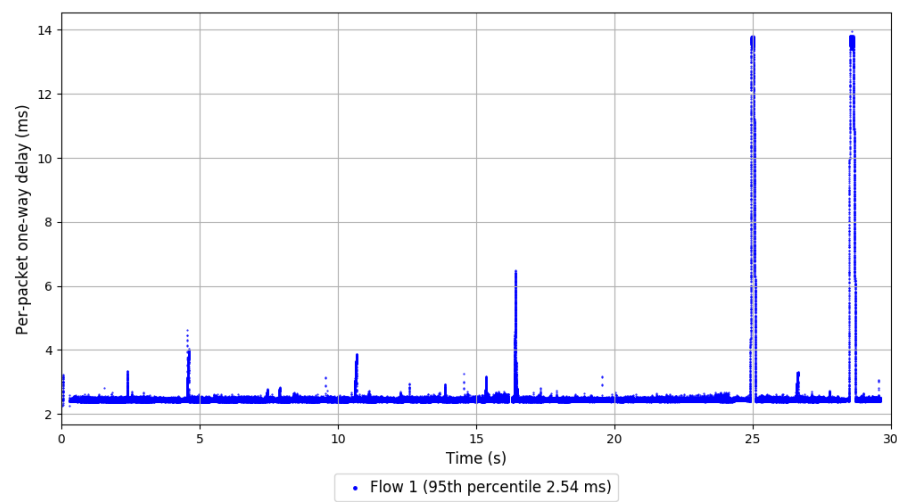
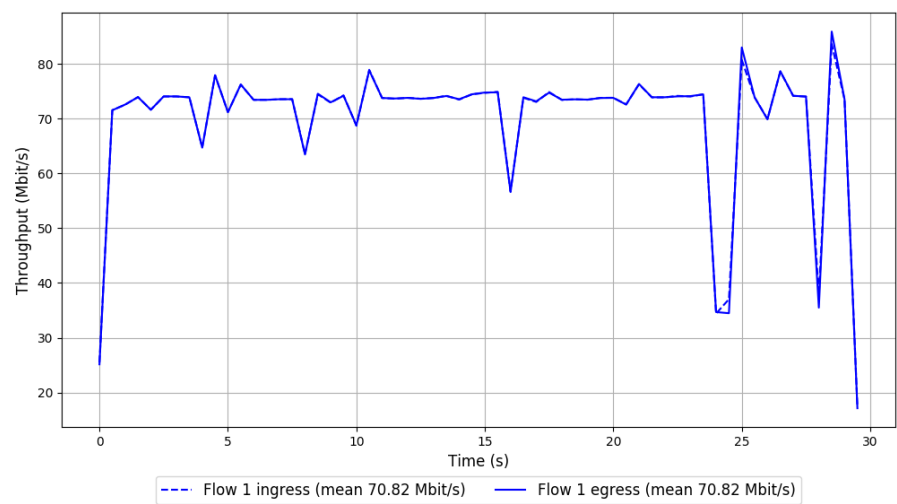
-- Flow 1:

Average throughput: 70.82 Mbit/s

95th percentile per-packet one-way delay: 2.539 ms

Loss rate: 0.02%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-19 19:46:43

End at: 2017-12-19 19:47:13

Local clock offset: 0.794 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2017-12-20 01:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 2.927 ms

Loss rate: 0.01%

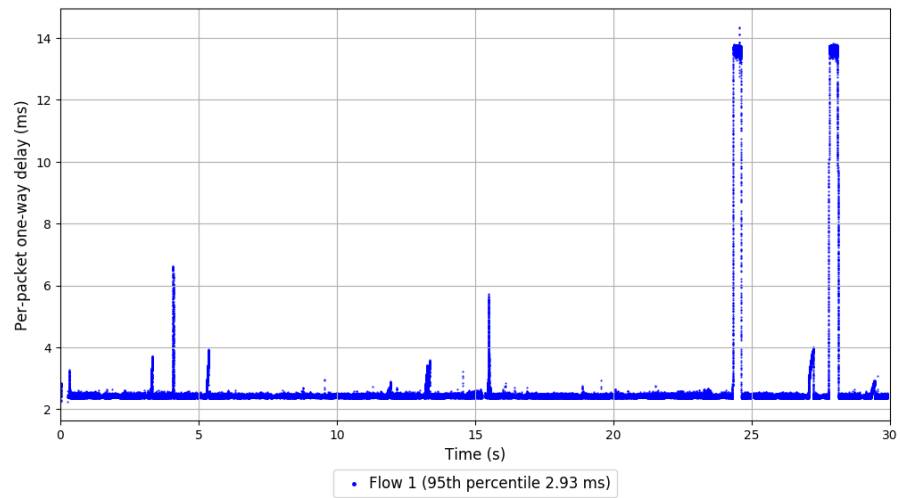
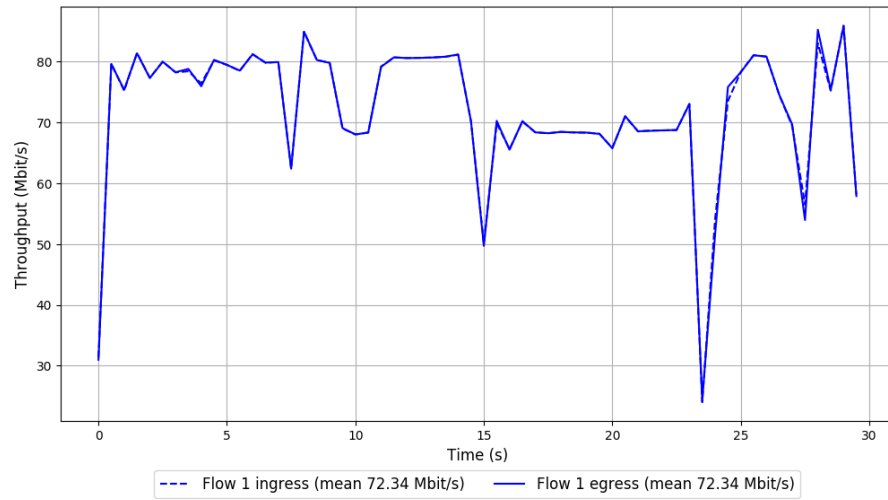
-- Flow 1:

Average throughput: 72.34 Mbit/s

95th percentile per-packet one-way delay: 2.927 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-12-19 20:03:38

End at: 2017-12-19 20:04:08

Local clock offset: 0.722 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2017-12-20 01:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 2.557 ms

Loss rate: 0.02%

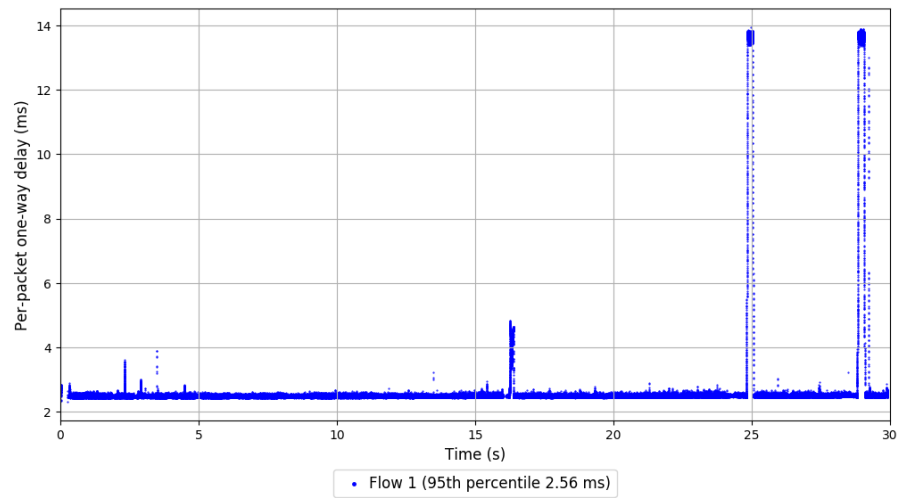
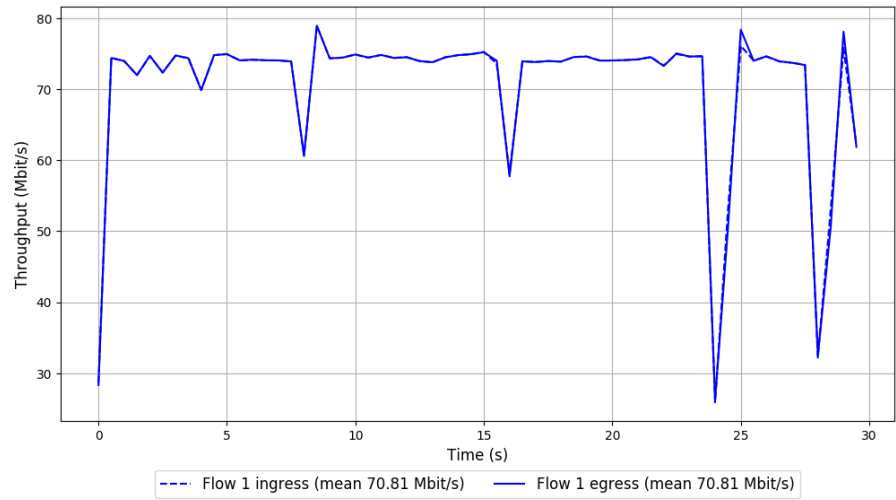
-- Flow 1:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 2.557 ms

Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-12-19 20:20:36

End at: 2017-12-19 20:21:06

Local clock offset: 0.621 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2017-12-20 01:05:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 13.728 ms

Loss rate: 0.06%

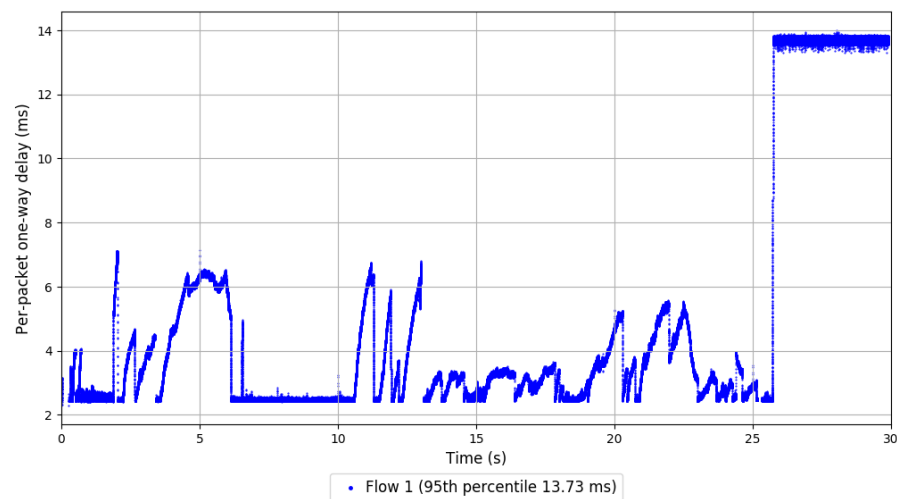
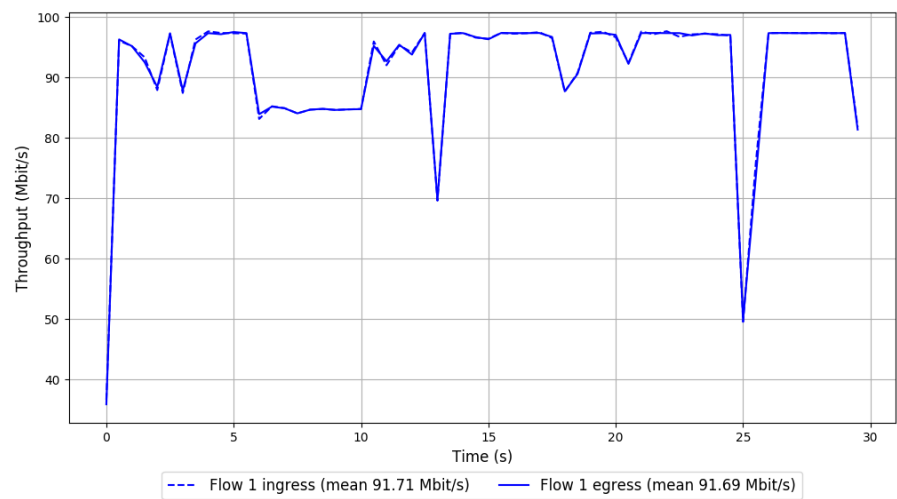
-- Flow 1:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 13.728 ms

Loss rate: 0.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-12-19 20:37:31

End at: 2017-12-19 20:38:01

Local clock offset: 0.058 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2017-12-20 01:05:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 2.431 ms

Loss rate: 0.02%

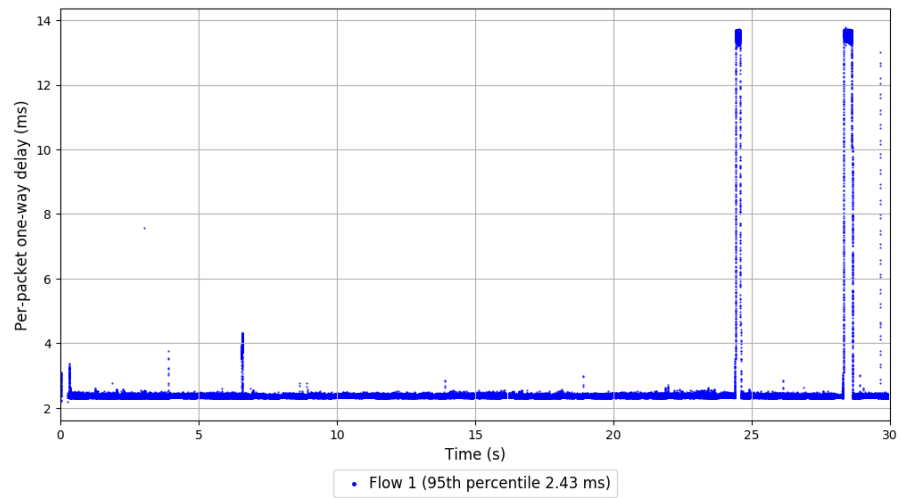
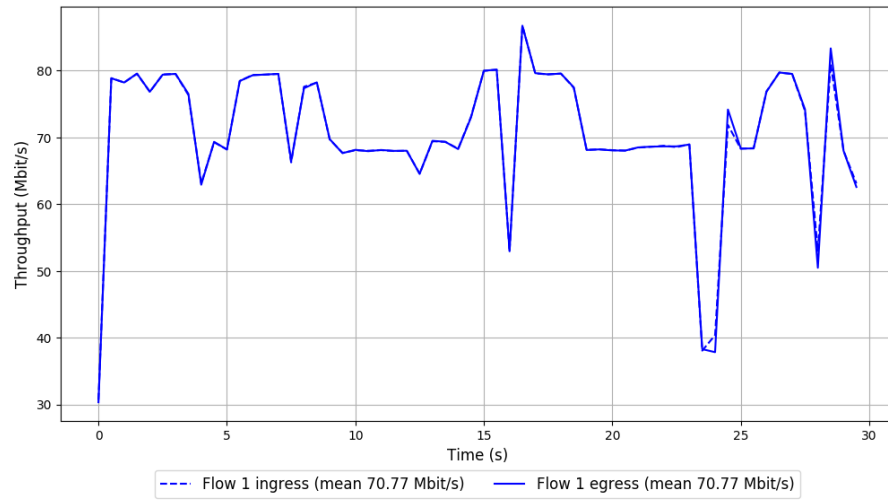
-- Flow 1:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 2.431 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-12-19 20:54:24

End at: 2017-12-19 20:54:54

Local clock offset: 0.161 ms

Remote clock offset: 0.457 ms

Below is generated by plot.py at 2017-12-20 01:05:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 6.200 ms

Loss rate: 0.01%

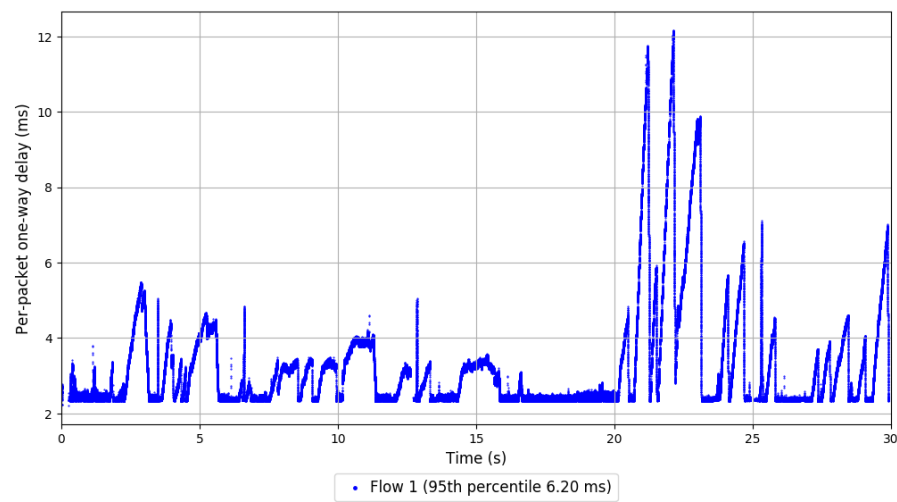
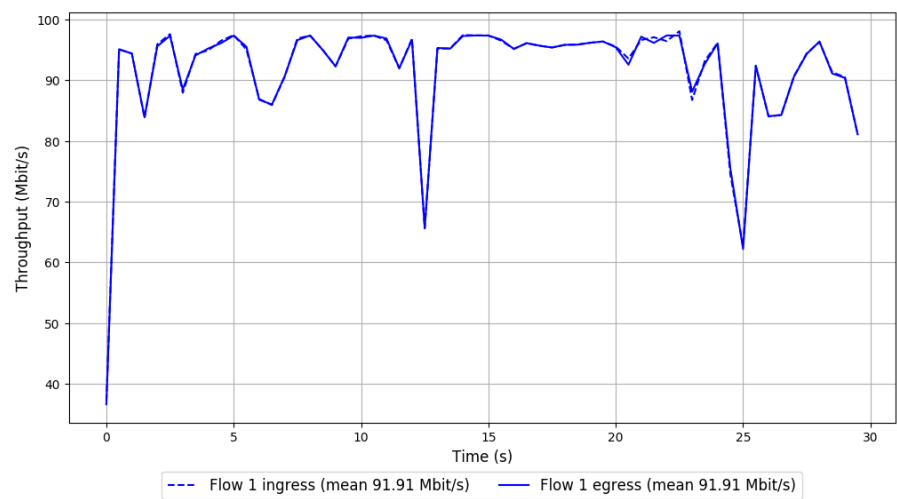
-- Flow 1:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 6.200 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-12-19 21:11:21

End at: 2017-12-19 21:11:51

Local clock offset: 0.222 ms

Remote clock offset: 0.482 ms

Below is generated by plot.py at 2017-12-20 01:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 13.484 ms

Loss rate: 0.02%

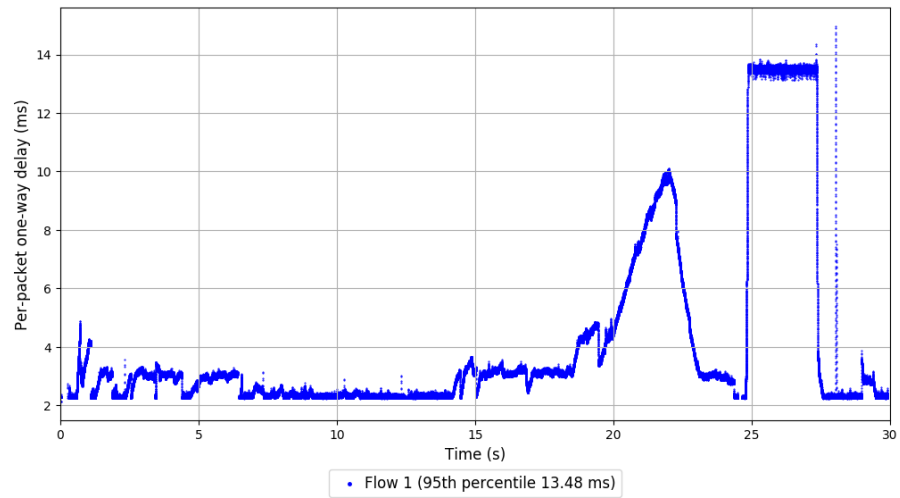
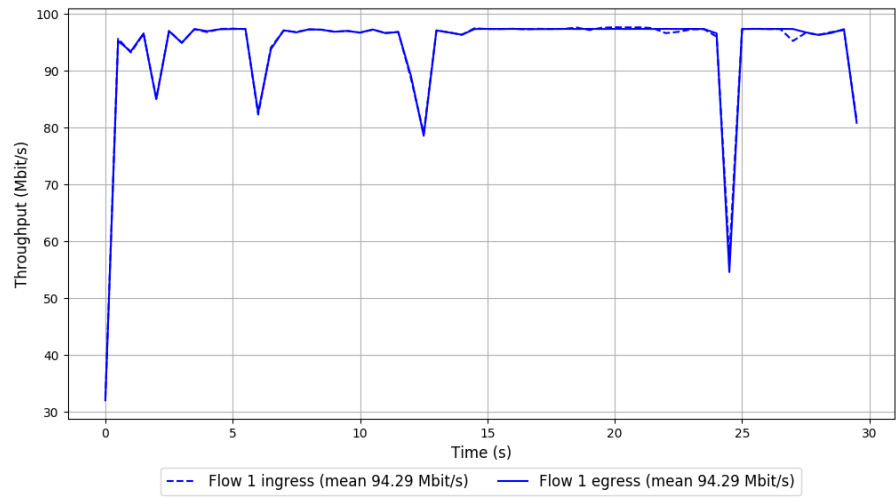
-- Flow 1:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 13.484 ms

Loss rate: 0.02%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-12-19 21:28:17

End at: 2017-12-19 21:28:47

Local clock offset: 0.46 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2017-12-20 01:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.60 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.02%

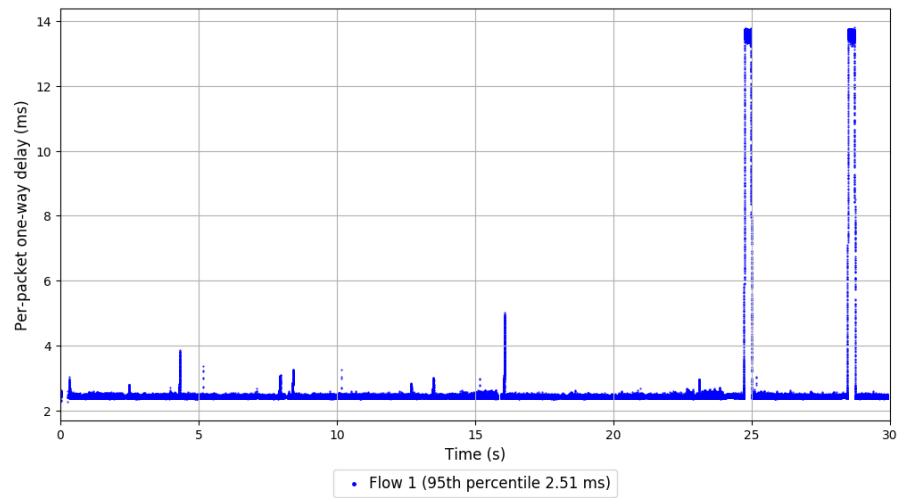
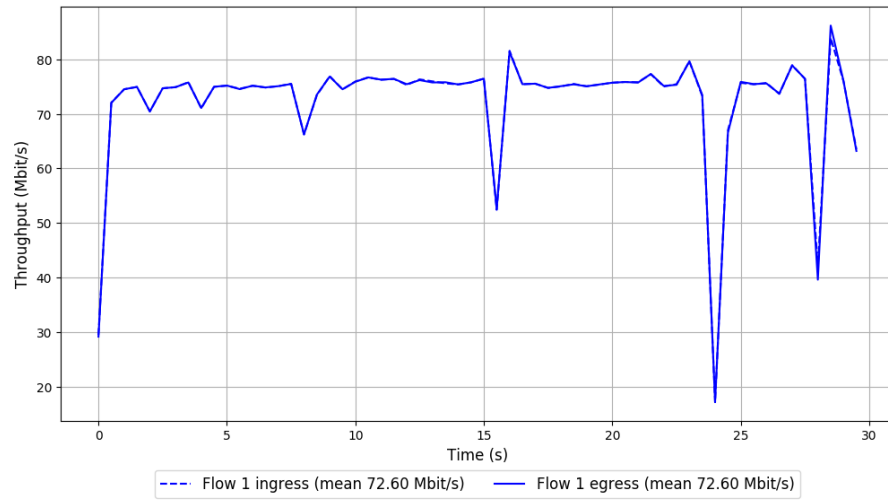
-- Flow 1:

Average throughput: 72.60 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.02%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-12-19 21:45:16

End at: 2017-12-19 21:45:46

Local clock offset: 0.296 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2017-12-20 01:06:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 2.459 ms

Loss rate: 0.02%

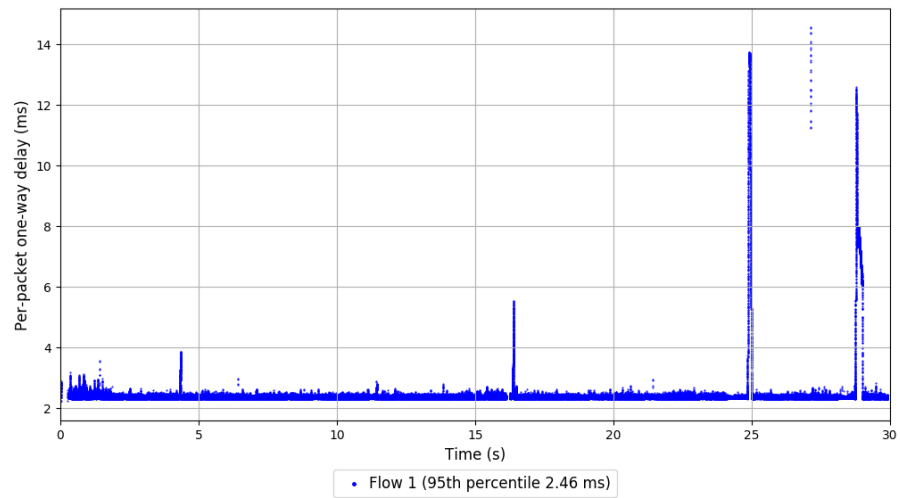
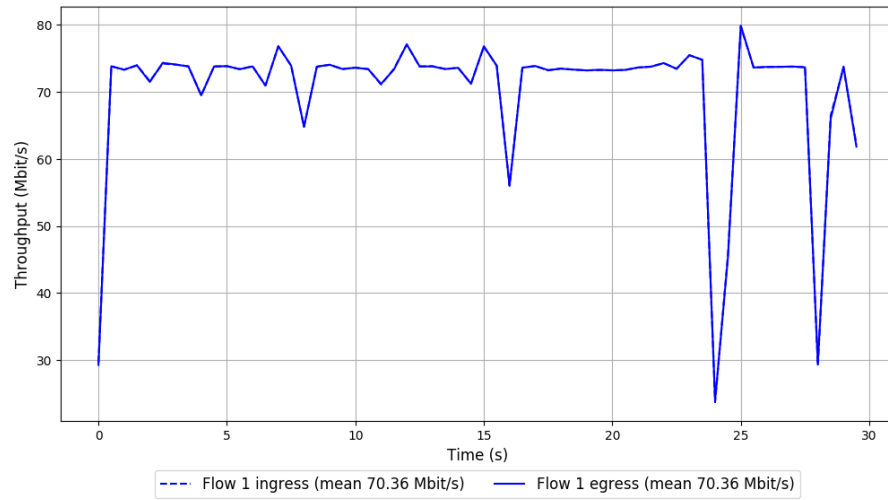
-- Flow 1:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 2.459 ms

Loss rate: 0.02%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-19 22:02:12

End at: 2017-12-19 22:02:42

Local clock offset: 0.219 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 3.202 ms

Loss rate: 0.02%

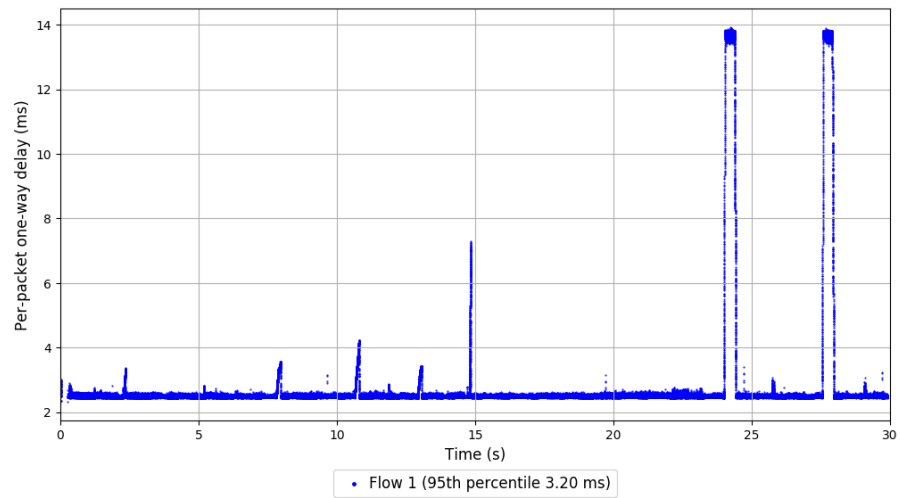
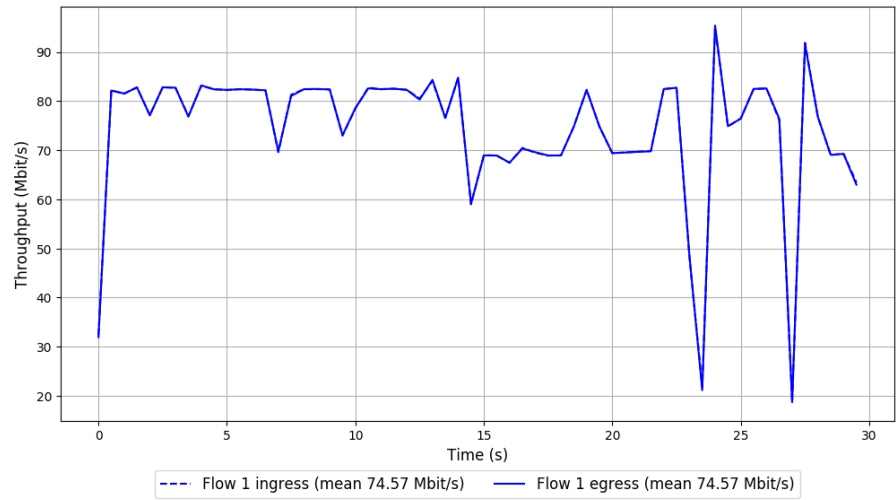
-- Flow 1:

Average throughput: 74.57 Mbit/s

95th percentile per-packet one-way delay: 3.202 ms

Loss rate: 0.02%

Run 10: Report of QUIC Cubic — Data Link

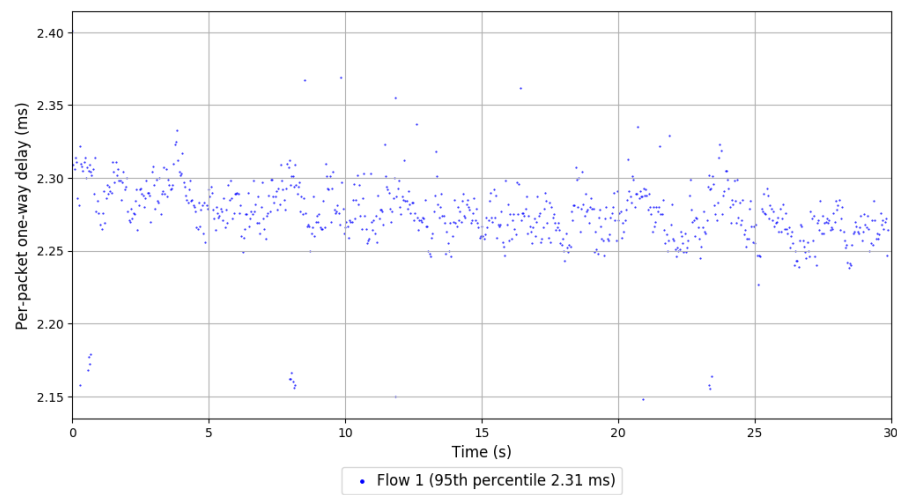
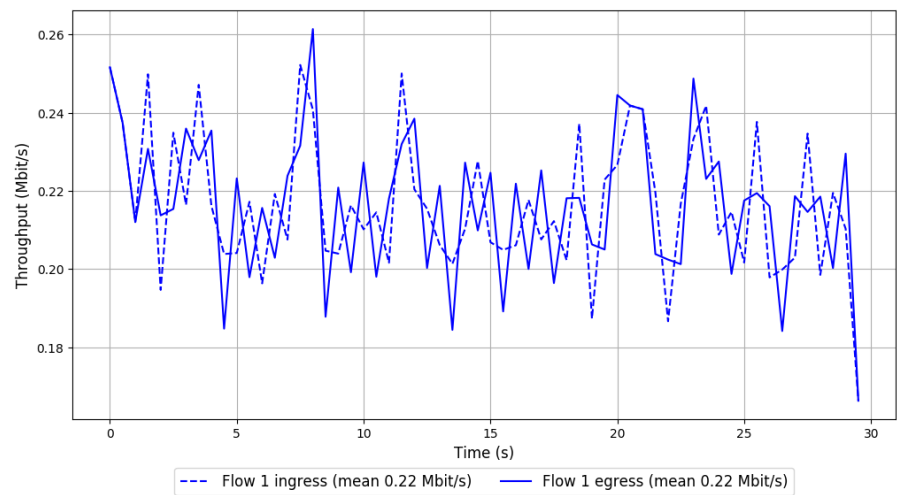


```
Run 1: Statistics of SCReAM

Start at: 2017-12-19 19:24:11
End at: 2017-12-19 19:24:41
Local clock offset: 0.815 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2017-12-20 01:06:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-12-19 19:41:06

End at: 2017-12-19 19:41:36

Local clock offset: 0.655 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.334 ms

Loss rate: 0.00%

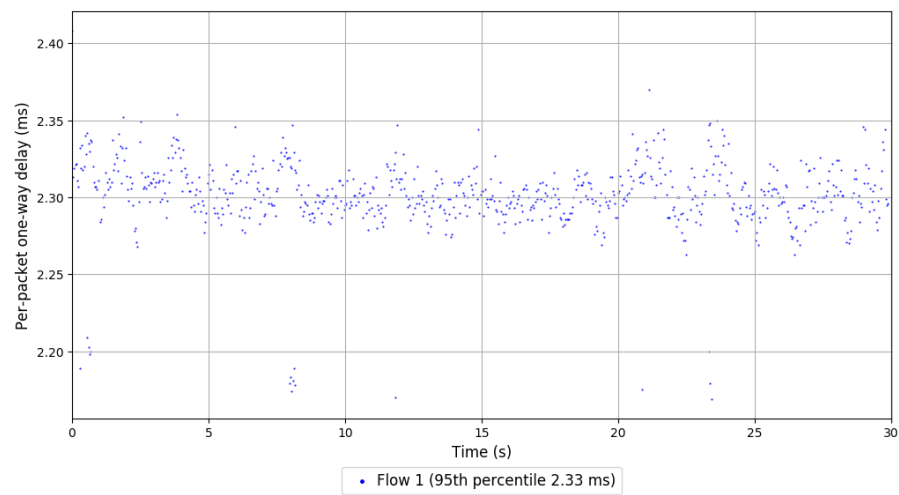
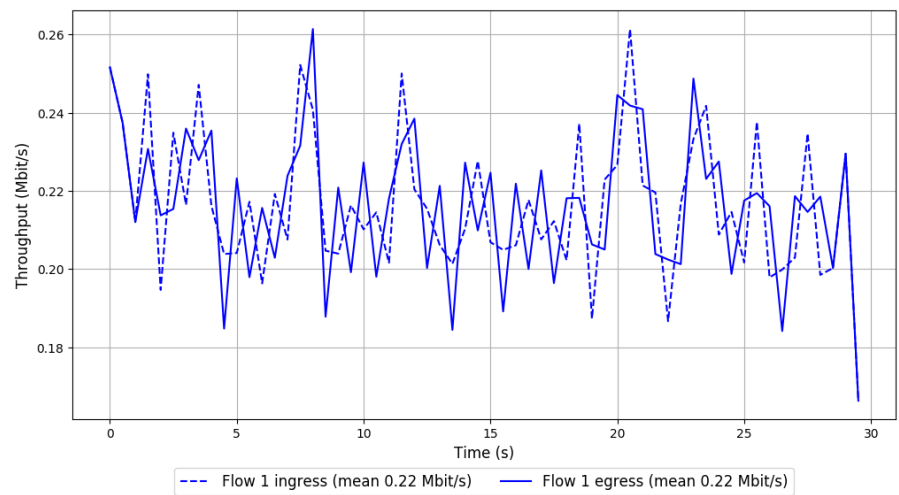
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.334 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-12-19 19:58:01

End at: 2017-12-19 19:58:31

Local clock offset: 0.661 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.256 ms

Loss rate: 0.00%

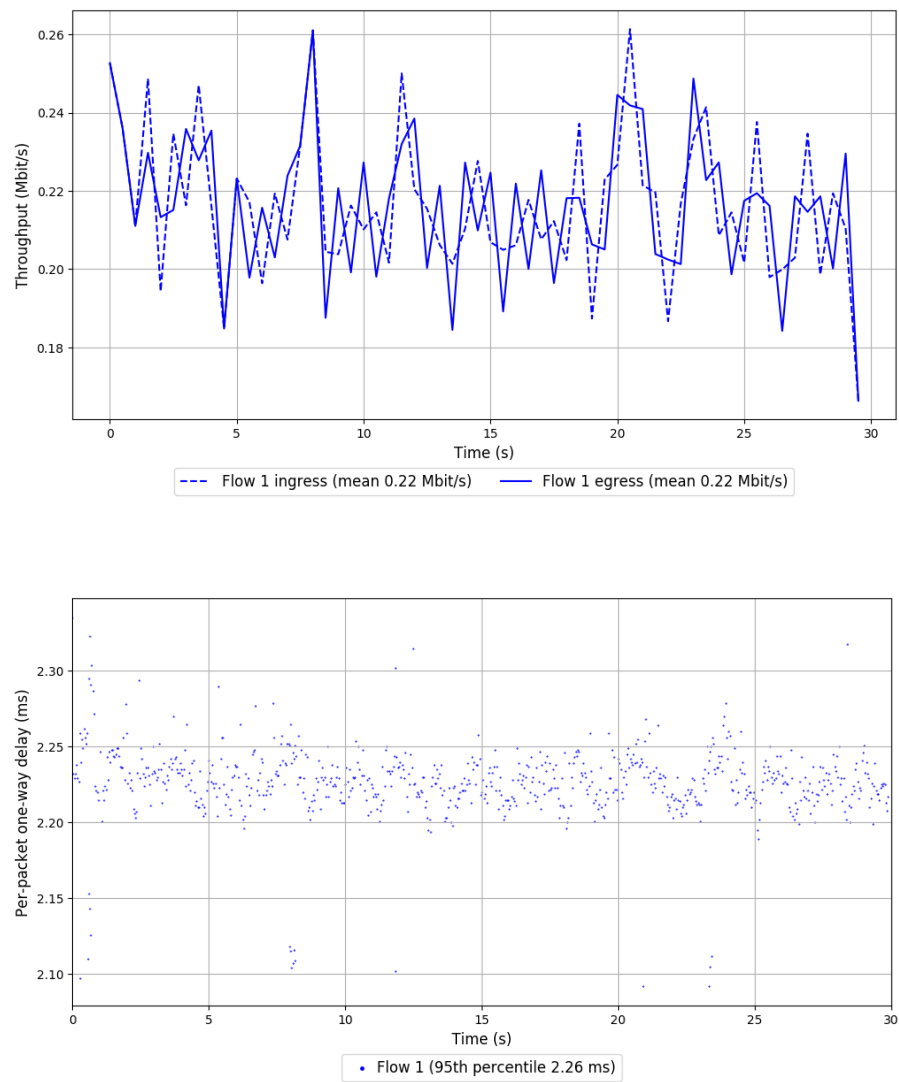
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.256 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-12-19 20:14:59

End at: 2017-12-19 20:15:29

Local clock offset: 0.567 ms

Remote clock offset: 0.497 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.336 ms

Loss rate: 0.00%

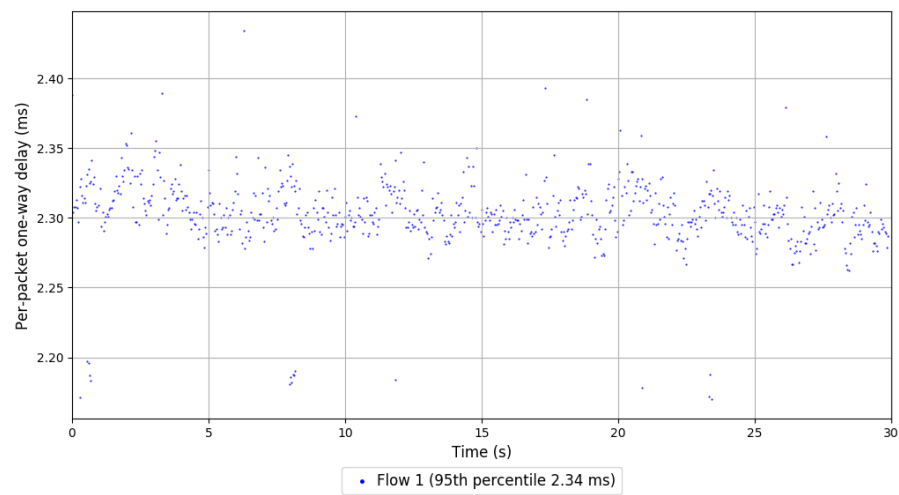
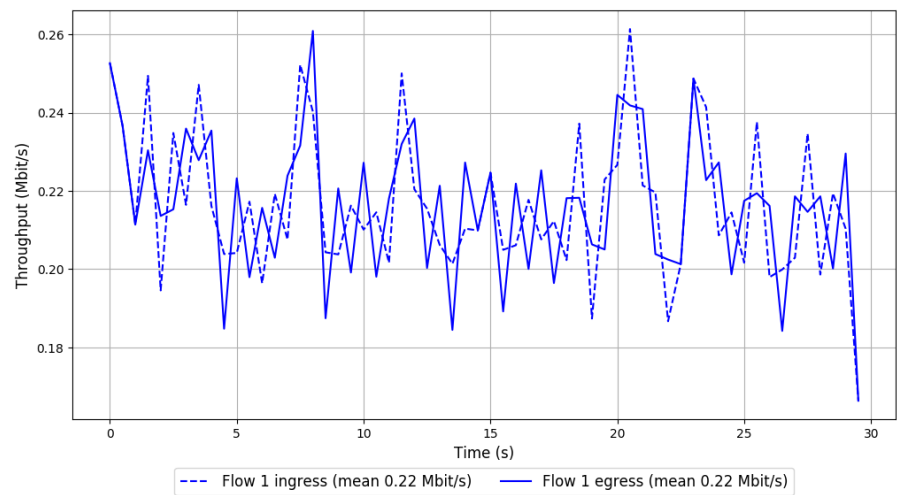
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.336 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-12-19 20:31:54

End at: 2017-12-19 20:32:24

Local clock offset: 0.264 ms

Remote clock offset: 0.505 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

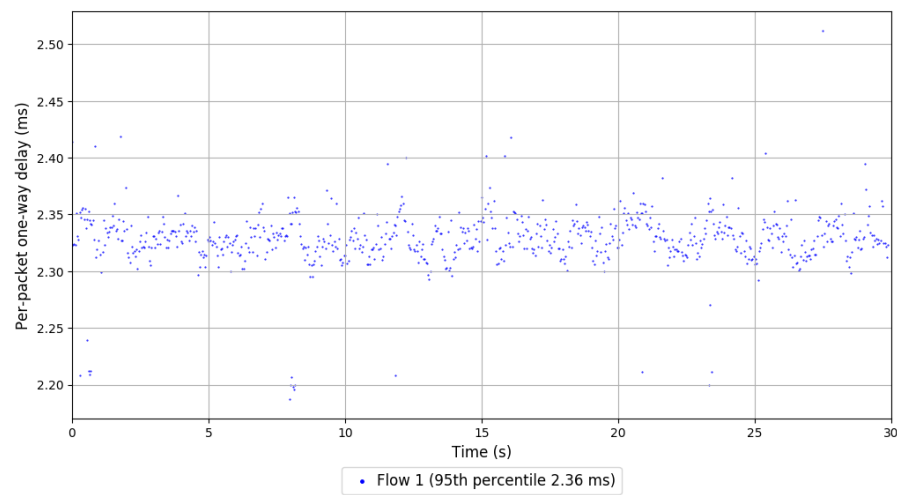
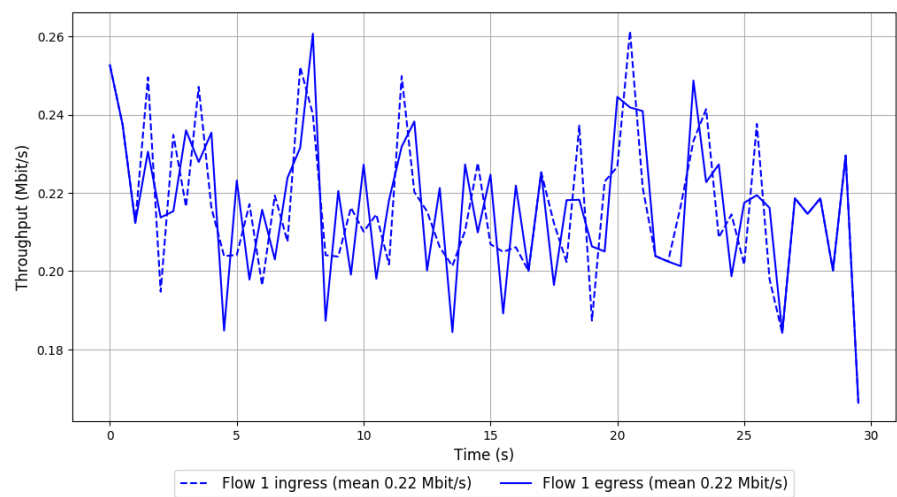
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-12-19 20:48:46

End at: 2017-12-19 20:49:16

Local clock offset: 0.124 ms

Remote clock offset: 0.483 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.00%

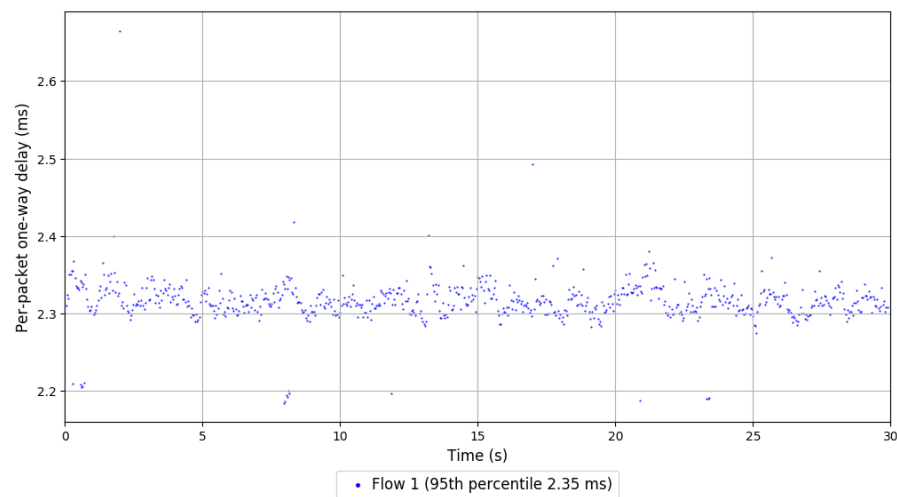
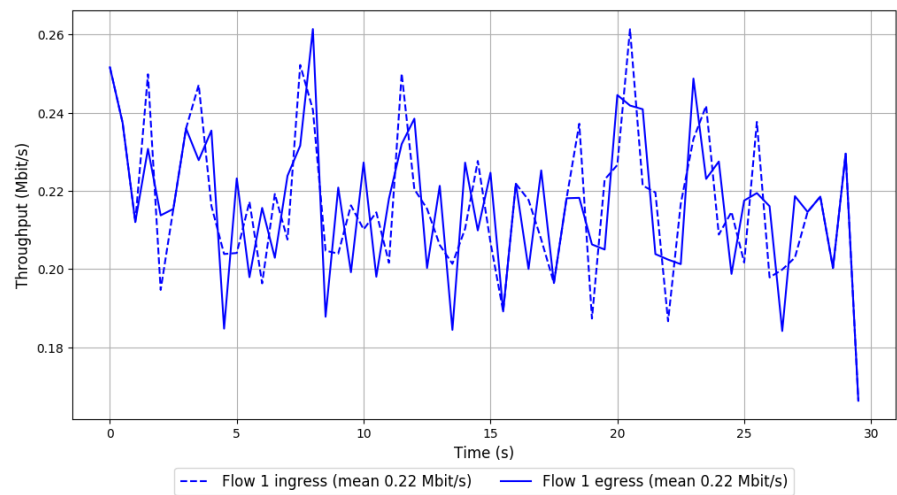
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-12-19 21:05:44

End at: 2017-12-19 21:06:14

Local clock offset: 0.246 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

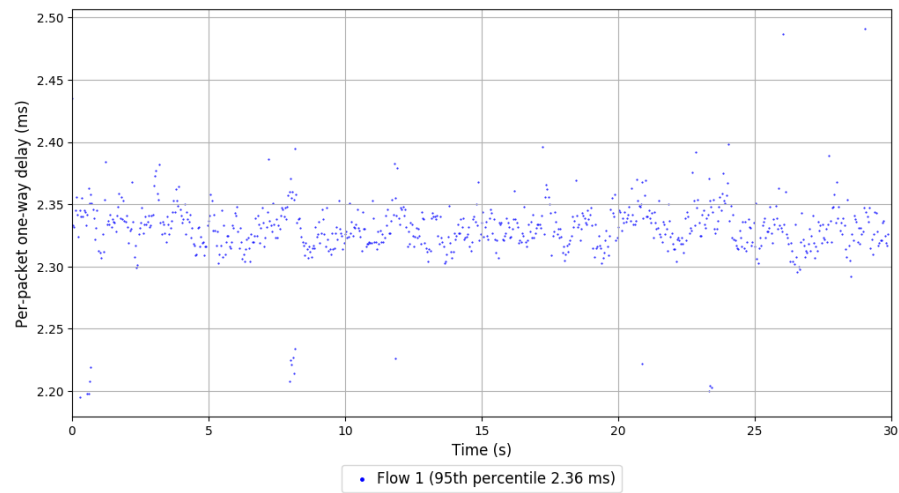
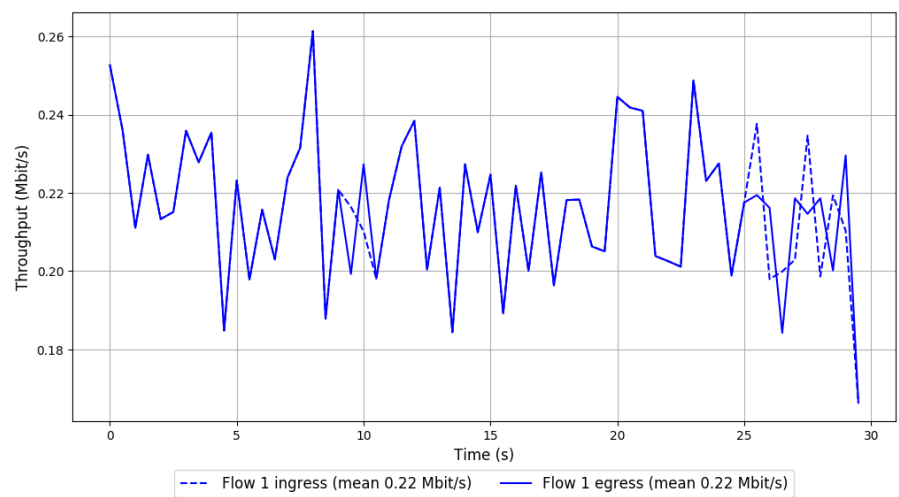
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-12-19 21:22:40

End at: 2017-12-19 21:23:10

Local clock offset: 0.404 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.332 ms

Loss rate: 0.00%

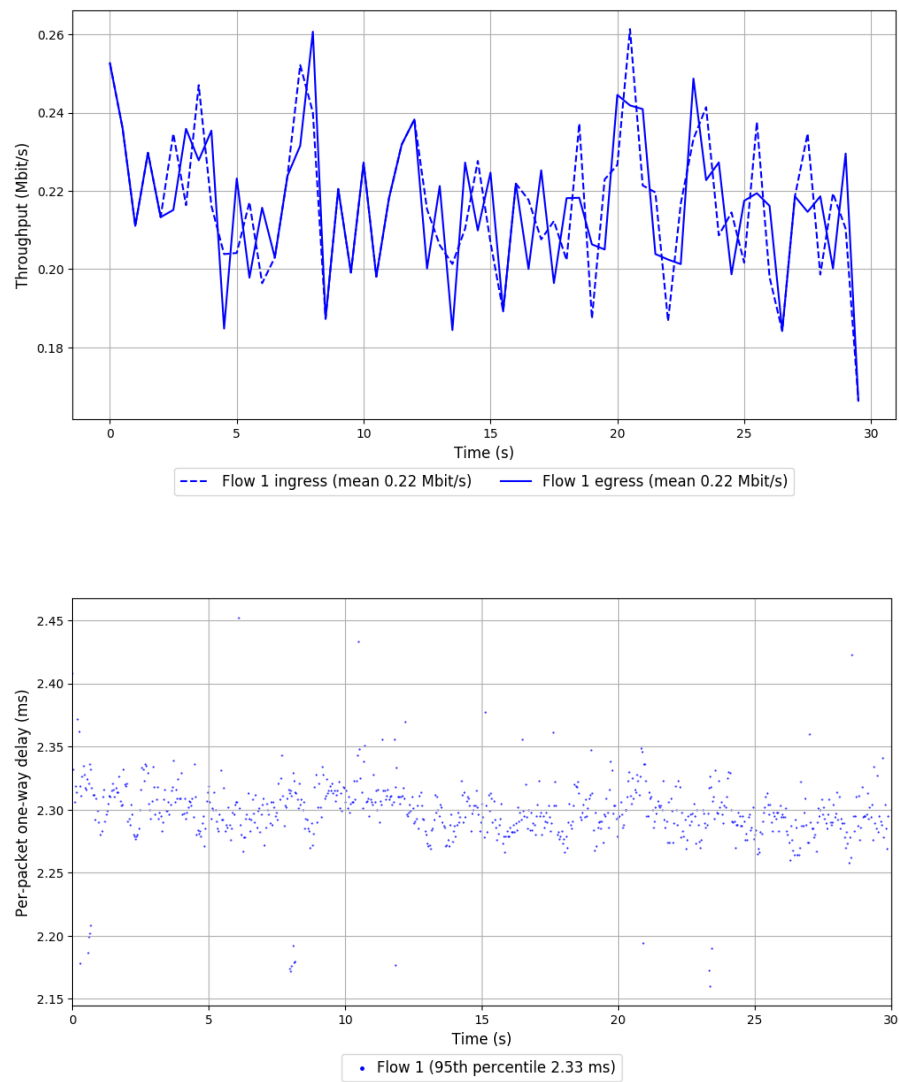
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.332 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-12-19 21:39:34

End at: 2017-12-19 21:40:04

Local clock offset: 0.371 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.486 ms

Loss rate: 0.00%

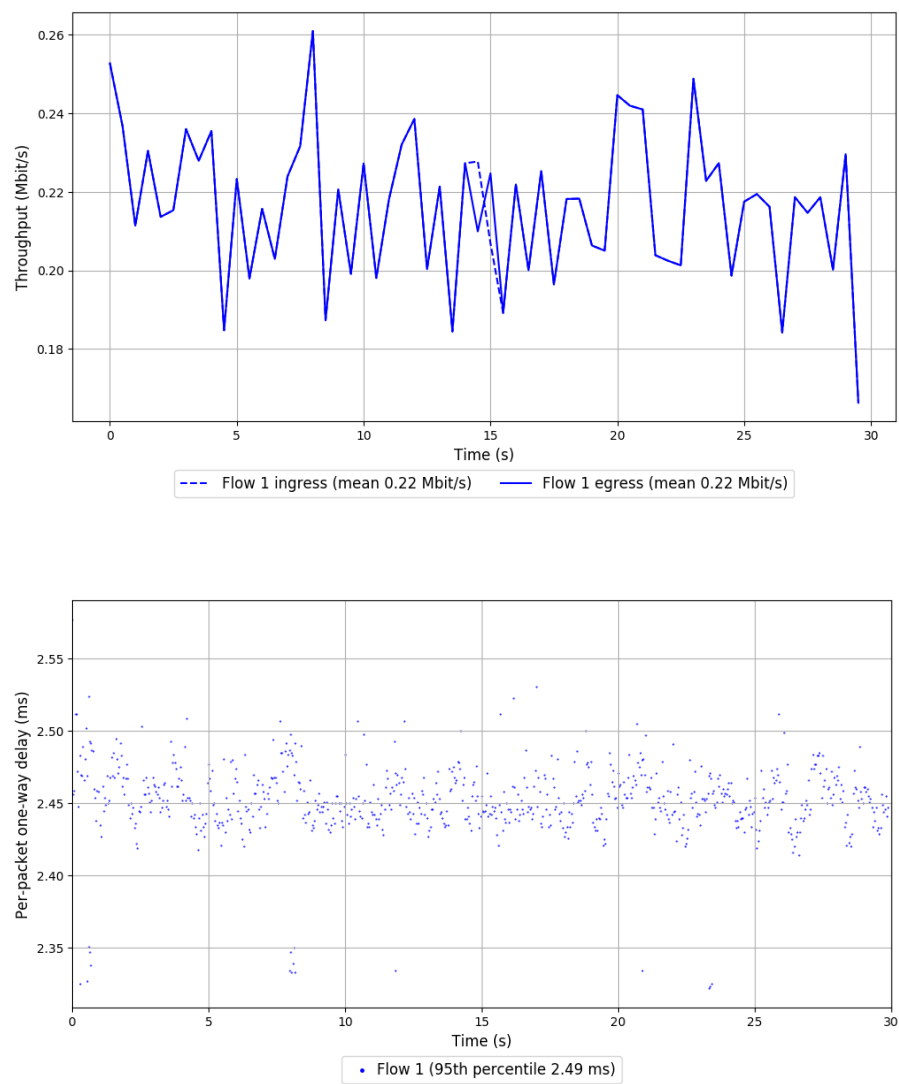
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.486 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2017-12-19 21:56:34

End at: 2017-12-19 21:57:05

Local clock offset: 0.237 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.00%

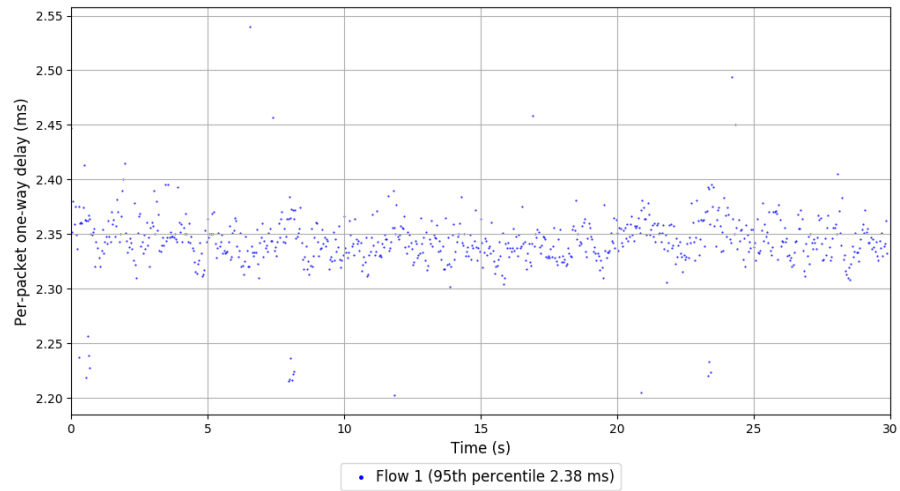
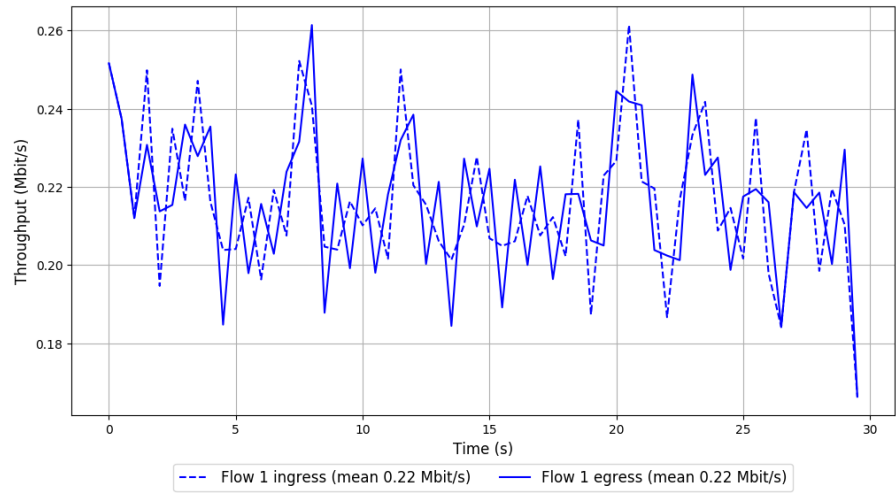
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-12-19 19:18:29

End at: 2017-12-19 19:18:59

Local clock offset: 0.572 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.00%

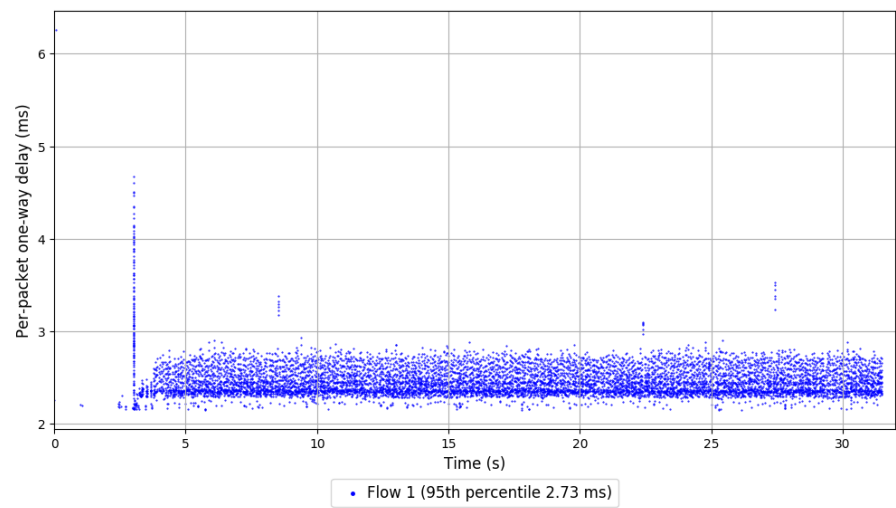
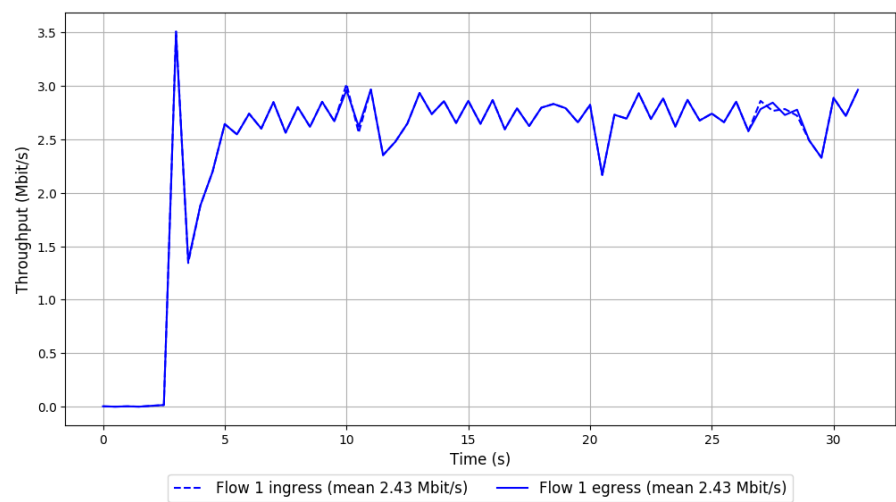
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 2.726 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-12-19 19:35:27

End at: 2017-12-19 19:35:57

Local clock offset: 0.683 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.775 ms

Loss rate: 0.00%

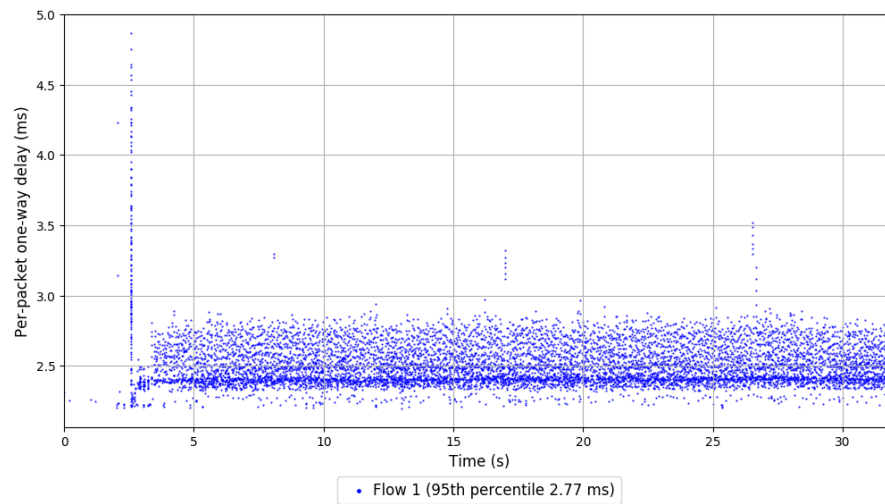
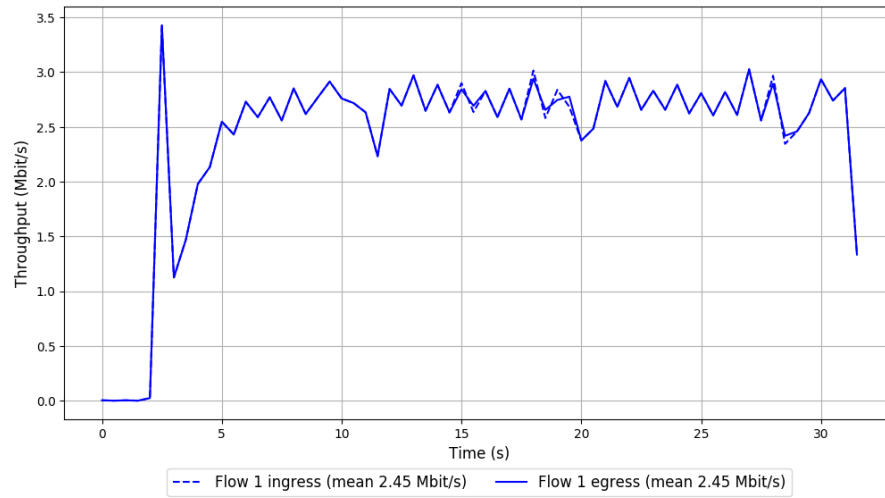
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.775 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-12-19 19:52:22

End at: 2017-12-19 19:52:52

Local clock offset: 0.754 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 2.854 ms

Loss rate: 0.00%

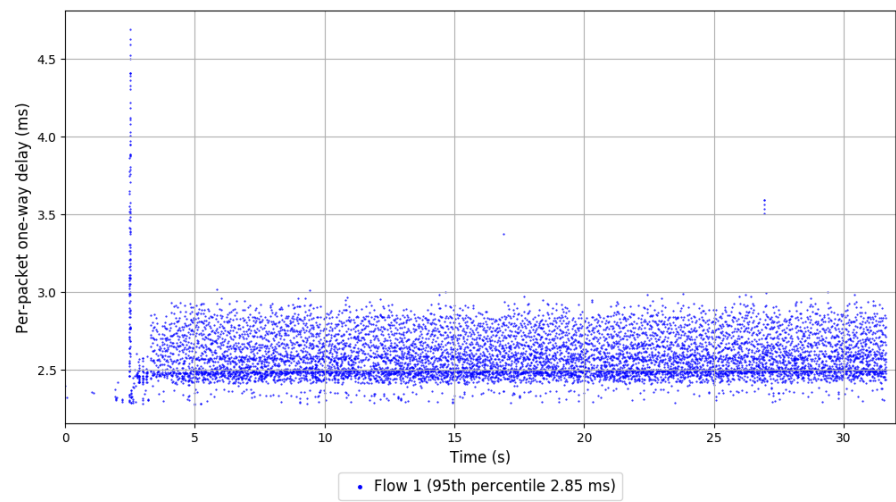
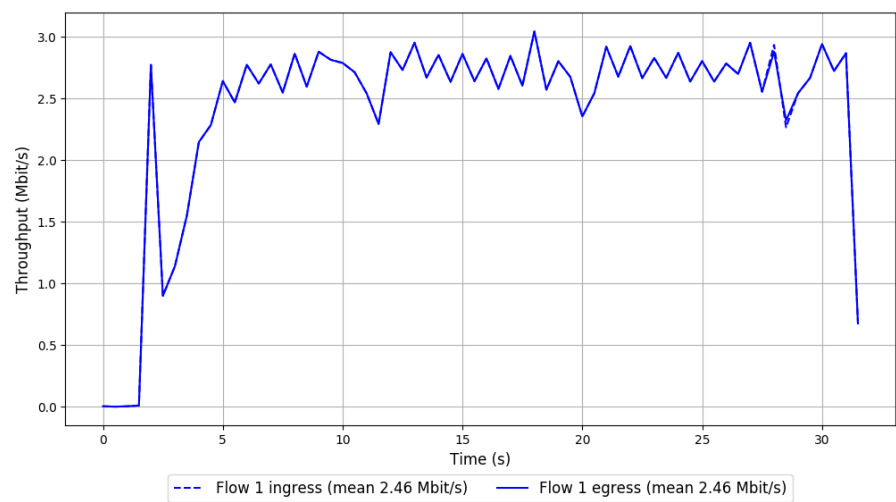
-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 2.854 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-12-19 20:09:17

End at: 2017-12-19 20:09:47

Local clock offset: 0.564 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.846 ms

Loss rate: 0.00%

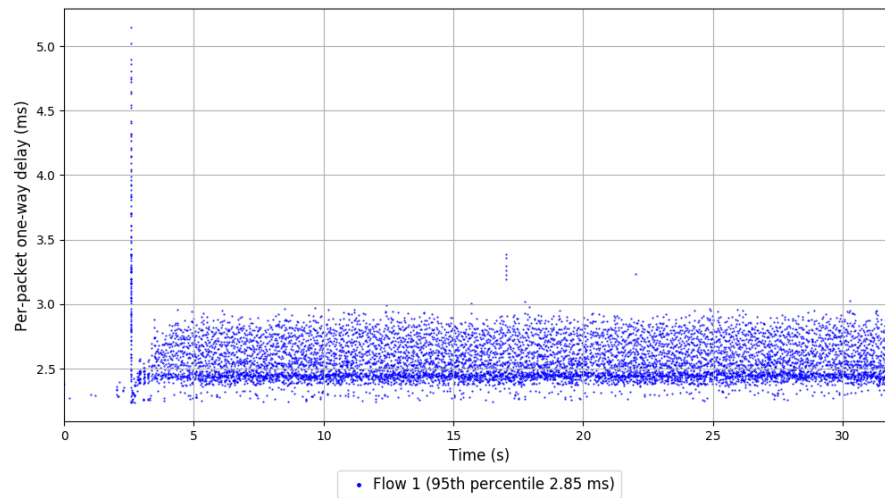
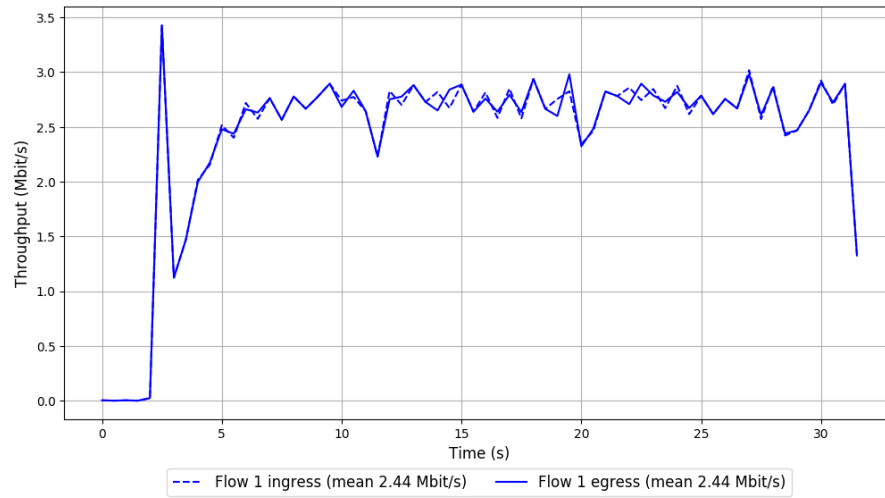
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.846 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-12-19 20:26:16

End at: 2017-12-19 20:26:46

Local clock offset: 0.453 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.758 ms

Loss rate: 0.00%

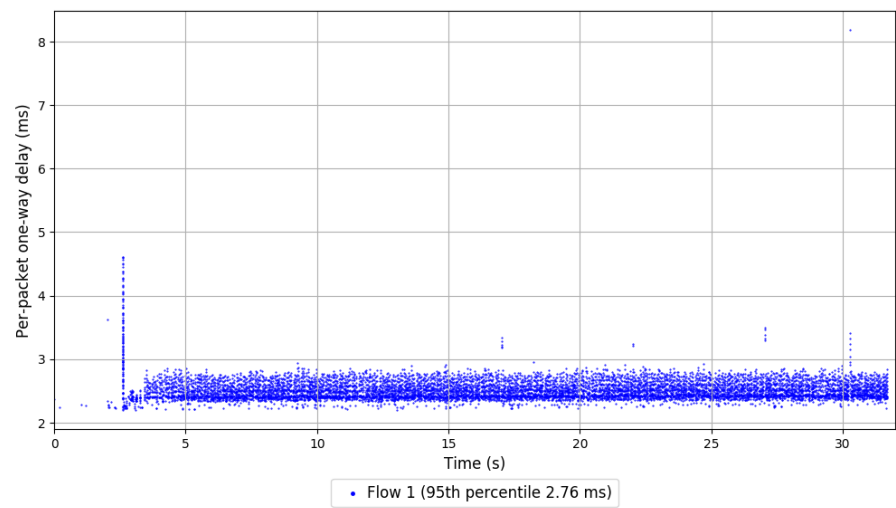
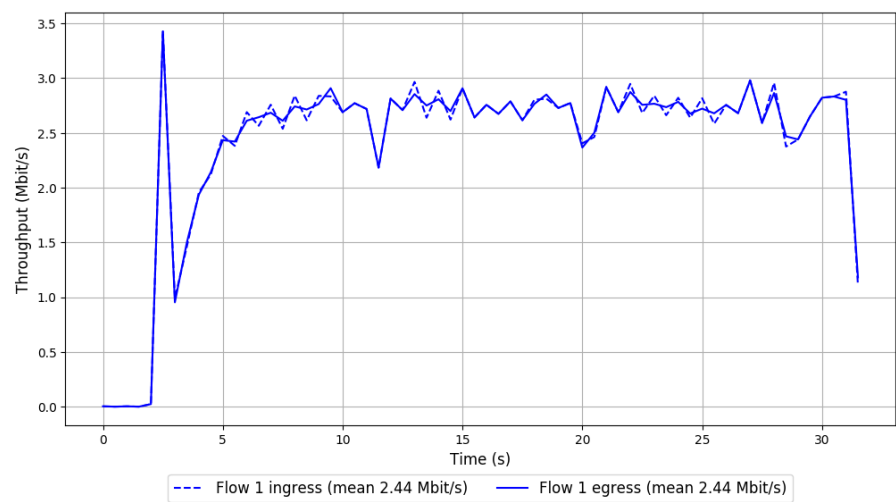
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.758 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-12-19 20:43:11

End at: 2017-12-19 20:43:41

Local clock offset: 0.062 ms

Remote clock offset: 0.475 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.735 ms

Loss rate: 0.00%

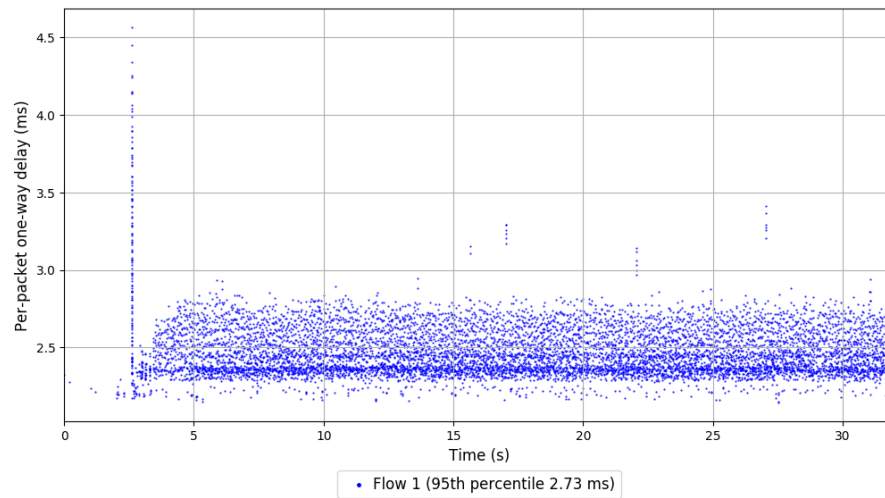
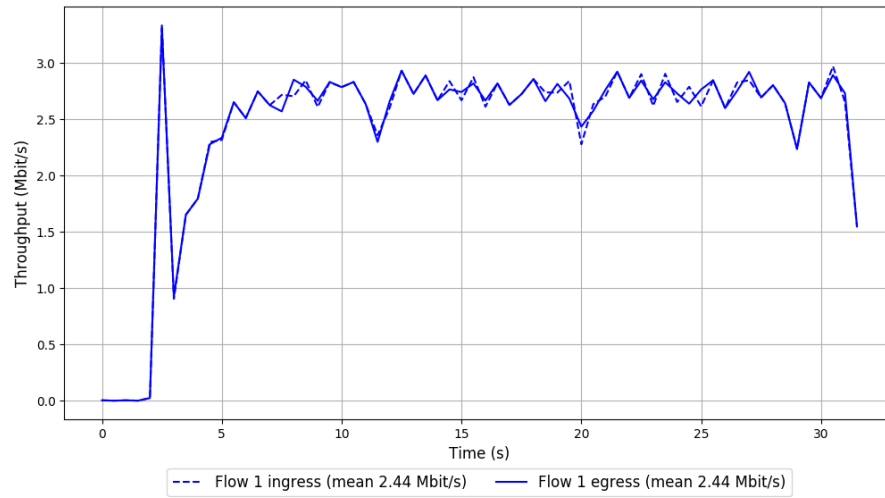
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.735 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-12-19 21:00:04

End at: 2017-12-19 21:00:35

Local clock offset: 0.192 ms

Remote clock offset: 0.51 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.733 ms

Loss rate: 0.11%

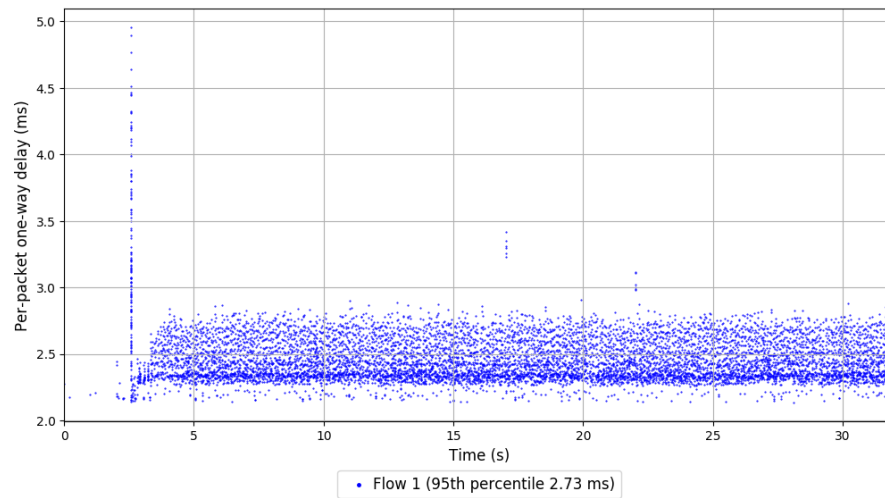
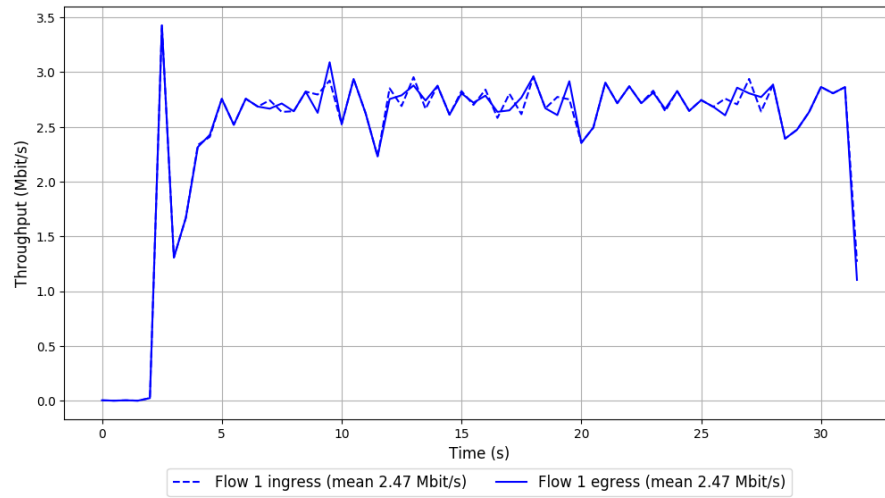
-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 2.733 ms

Loss rate: 0.11%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-12-19 21:17:01

End at: 2017-12-19 21:17:31

Local clock offset: 0.35 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.829 ms

Loss rate: 0.00%

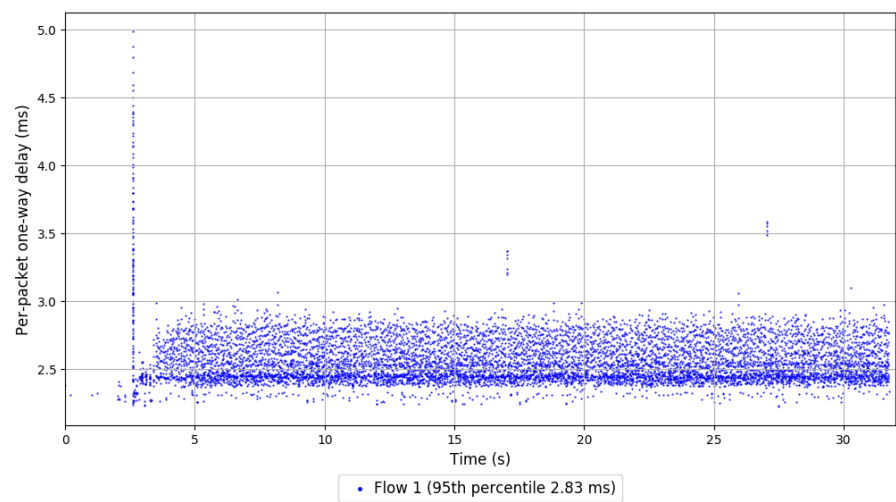
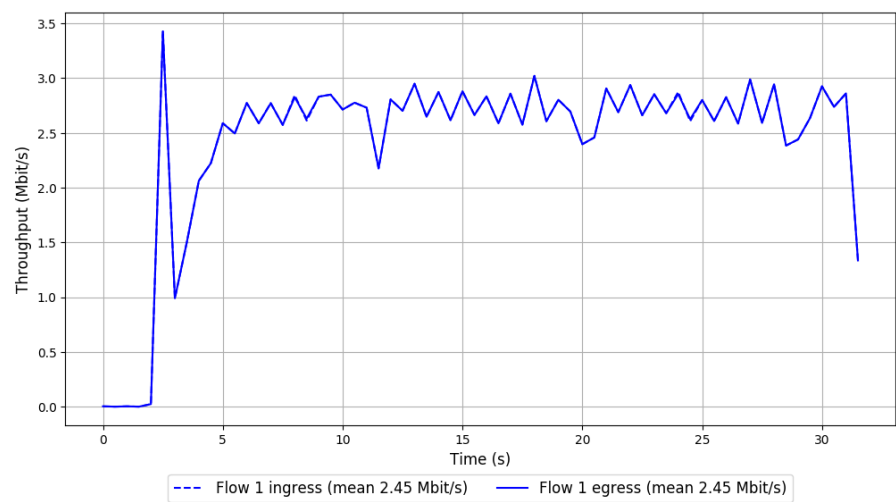
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 2.829 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

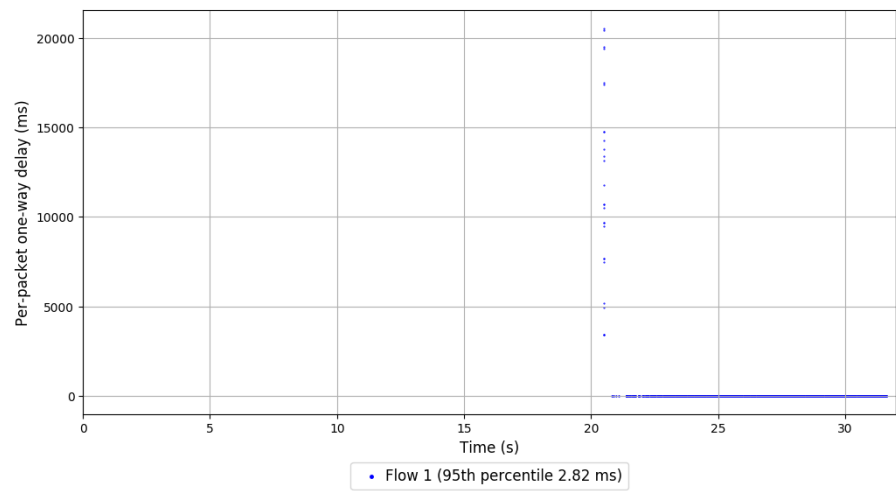
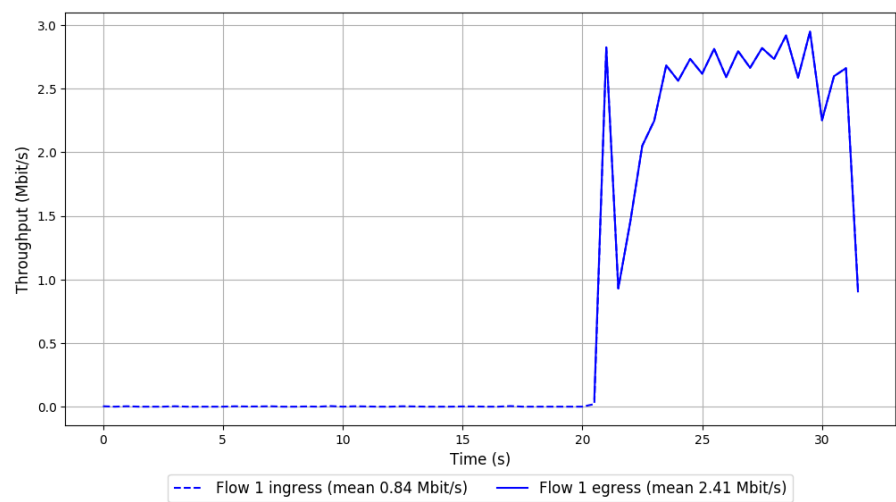
Start at: 2017-12-19 21:33:57

End at: 2017-12-19 21:34:27

Local clock offset: 0.403 ms

Remote clock offset: 0.445 ms

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-12-19 21:50:56

End at: 2017-12-19 21:51:26

Local clock offset: 0.262 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 2.869 ms

Loss rate: 0.00%

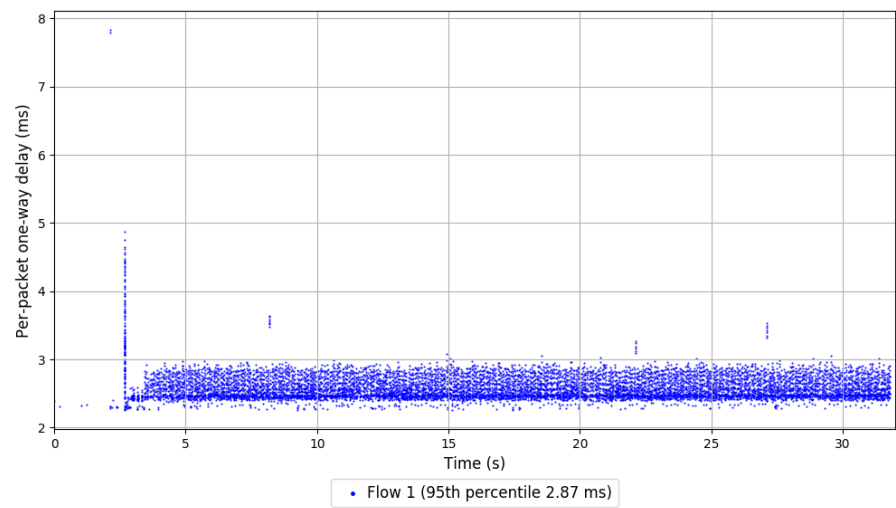
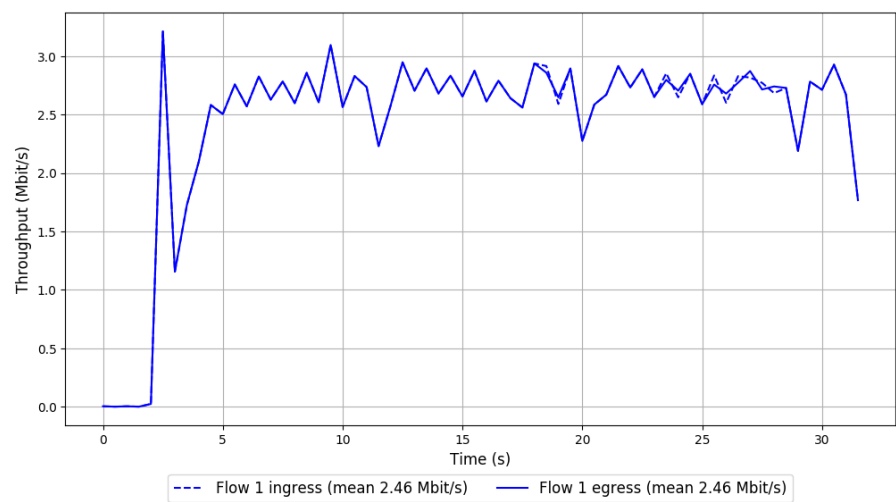
-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 2.869 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-12-19 19:26:23

End at: 2017-12-19 19:26:53

Local clock offset: 0.836 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 11.271 ms

Loss rate: 0.06%

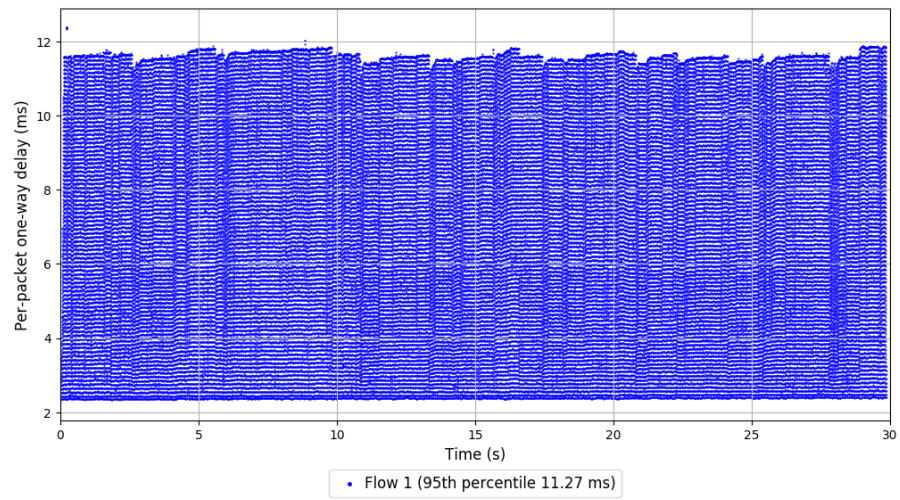
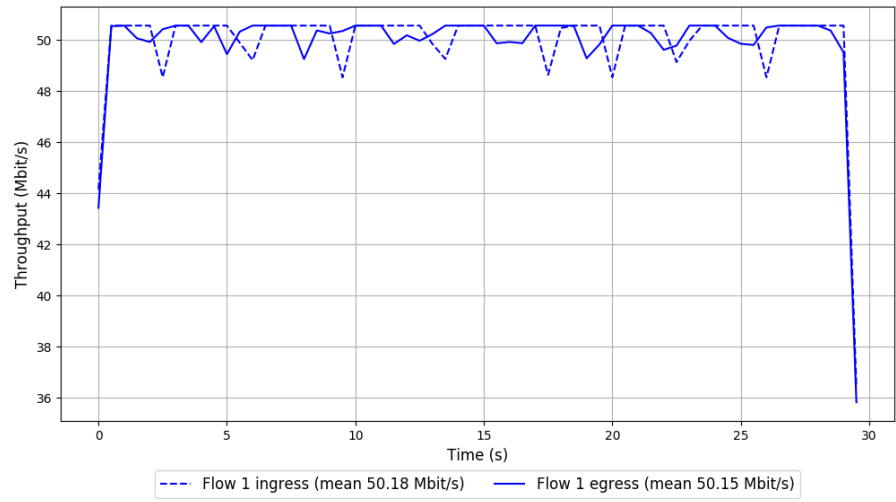
-- Flow 1:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 11.271 ms

Loss rate: 0.06%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-12-19 19:43:18

End at: 2017-12-19 19:43:48

Local clock offset: 0.684 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 11.203 ms

Loss rate: 0.00%

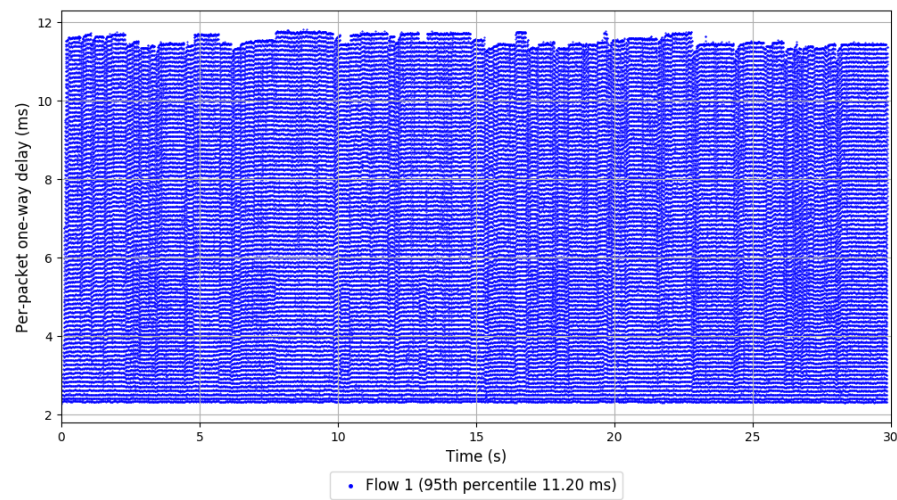
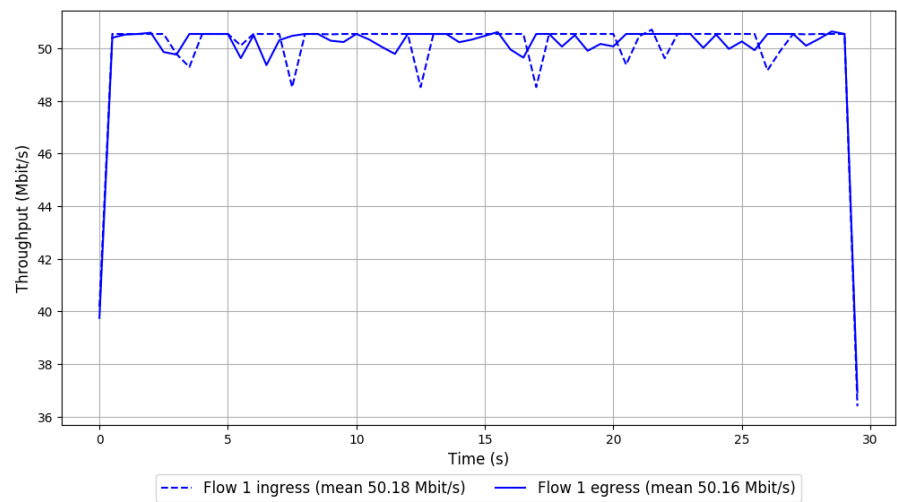
-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 11.203 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-12-19 20:00:13

End at: 2017-12-19 20:00:43

Local clock offset: 0.688 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.19 Mbit/s

95th percentile per-packet one-way delay: 11.050 ms

Loss rate: 0.07%

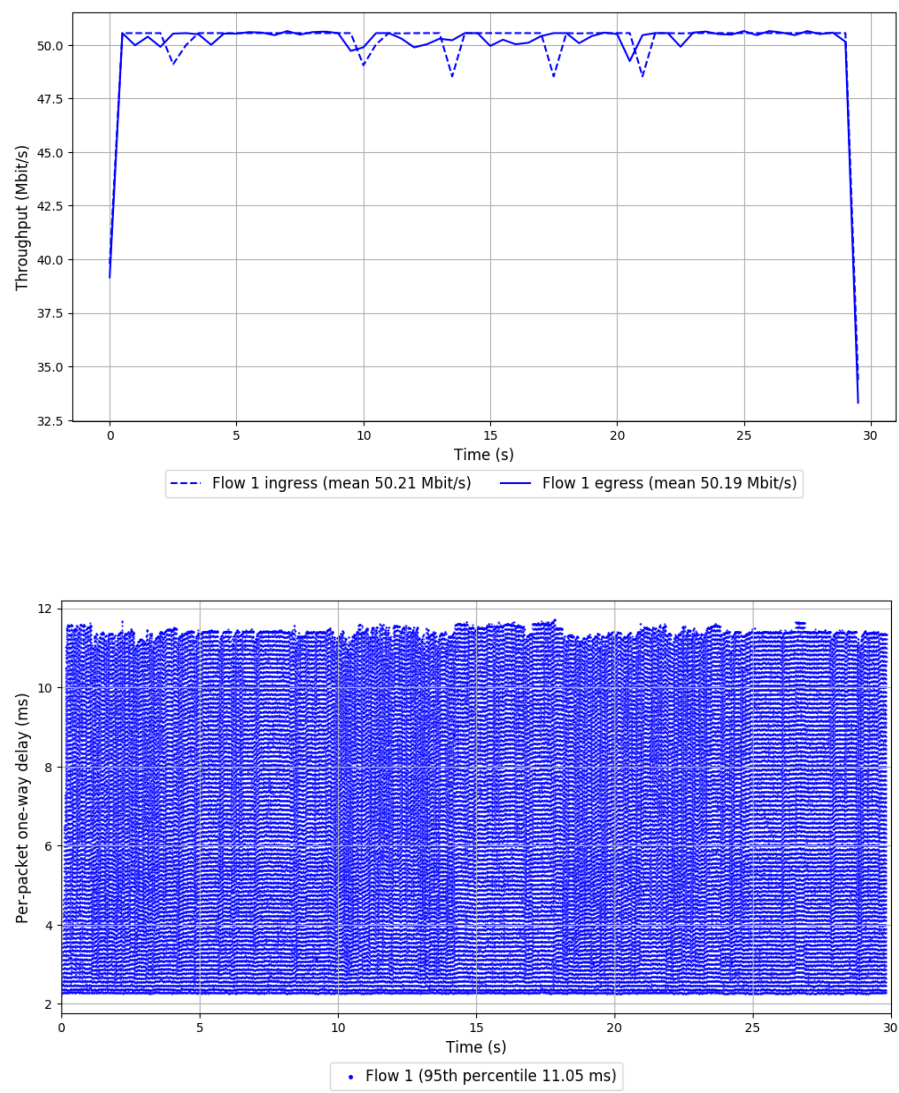
-- Flow 1:

Average throughput: 50.19 Mbit/s

95th percentile per-packet one-way delay: 11.050 ms

Loss rate: 0.07%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-12-19 20:17:11

End at: 2017-12-19 20:17:41

Local clock offset: 0.619 ms

Remote clock offset: 0.483 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 11.151 ms

Loss rate: 0.00%

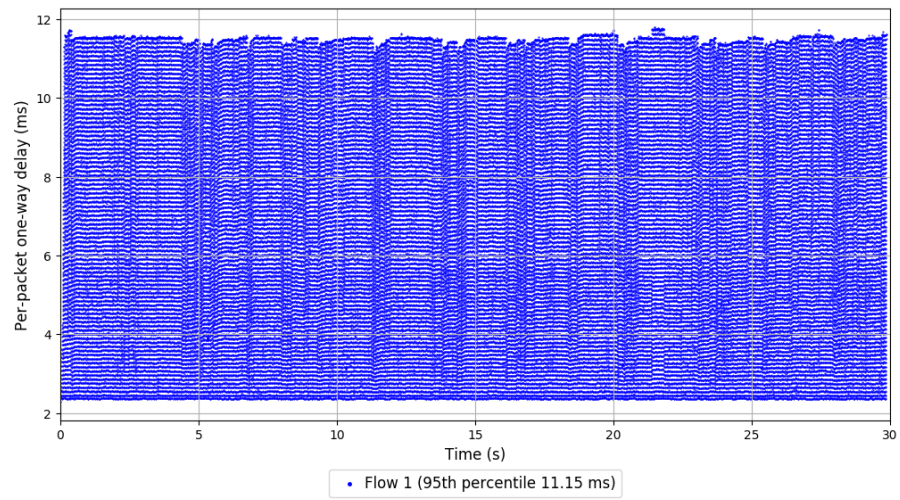
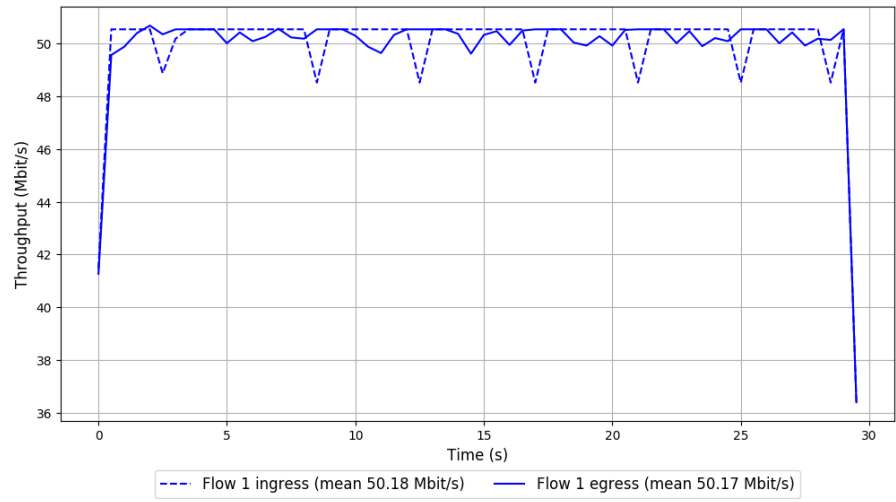
-- Flow 1:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 11.151 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-12-19 20:34:06

End at: 2017-12-19 20:34:36

Local clock offset: 0.162 ms

Remote clock offset: 0.507 ms

Below is generated by plot.py at 2017-12-20 01:06:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.14 Mbit/s

95th percentile per-packet one-way delay: 11.248 ms

Loss rate: 0.06%

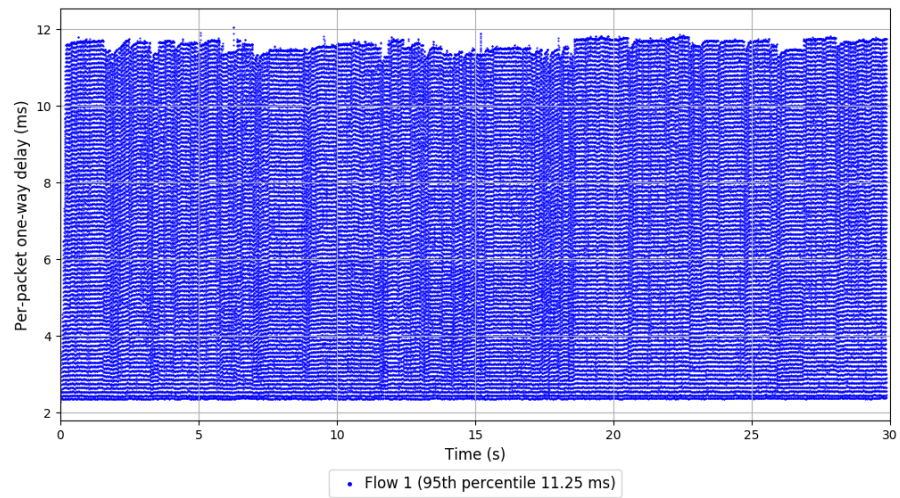
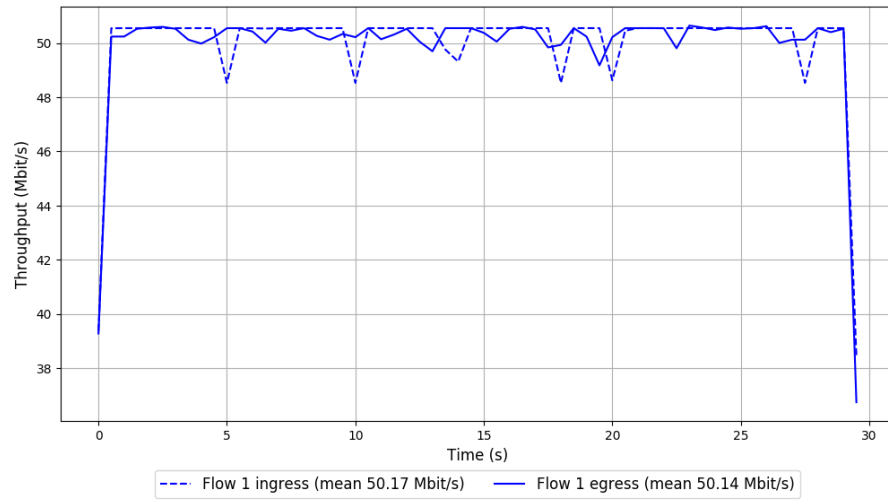
-- Flow 1:

Average throughput: 50.14 Mbit/s

95th percentile per-packet one-way delay: 11.248 ms

Loss rate: 0.06%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-12-19 20:50:58

End at: 2017-12-19 20:51:28

Local clock offset: 0.14 ms

Remote clock offset: 0.488 ms

Below is generated by plot.py at 2017-12-20 01:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 11.101 ms

Loss rate: 0.03%

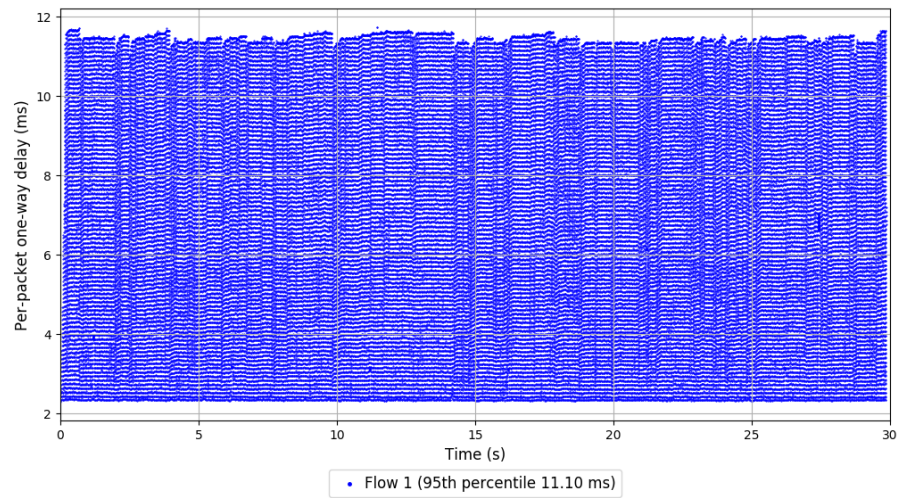
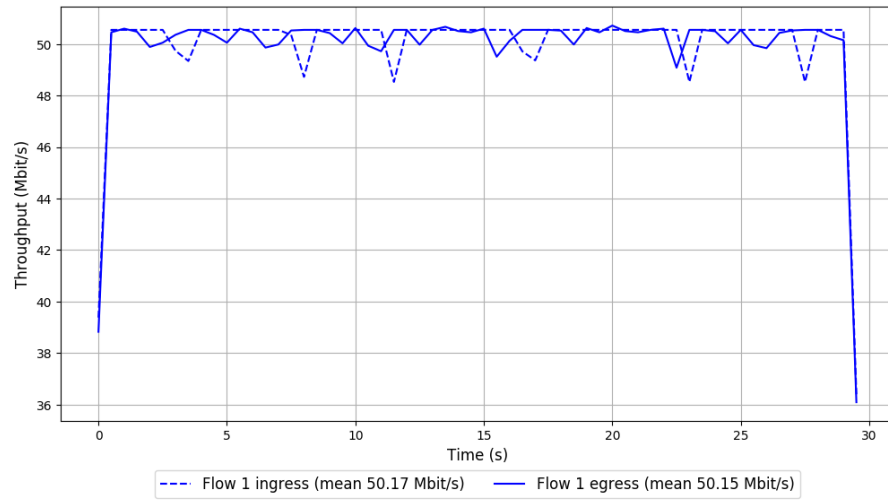
-- Flow 1:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 11.101 ms

Loss rate: 0.03%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-12-19 21:07:56

End at: 2017-12-19 21:08:26

Local clock offset: 0.183 ms

Remote clock offset: 0.488 ms

Below is generated by plot.py at 2017-12-20 01:07:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.18 Mbit/s

95th percentile per-packet one-way delay: 11.111 ms

Loss rate: 0.00%

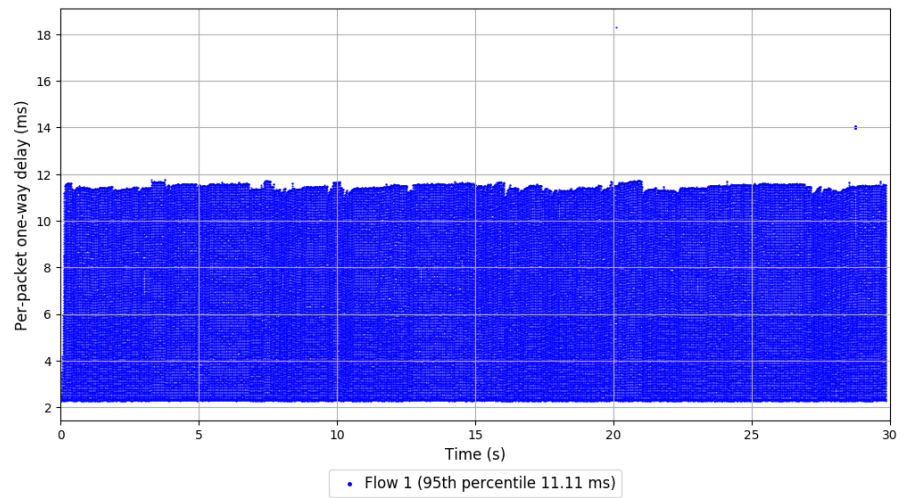
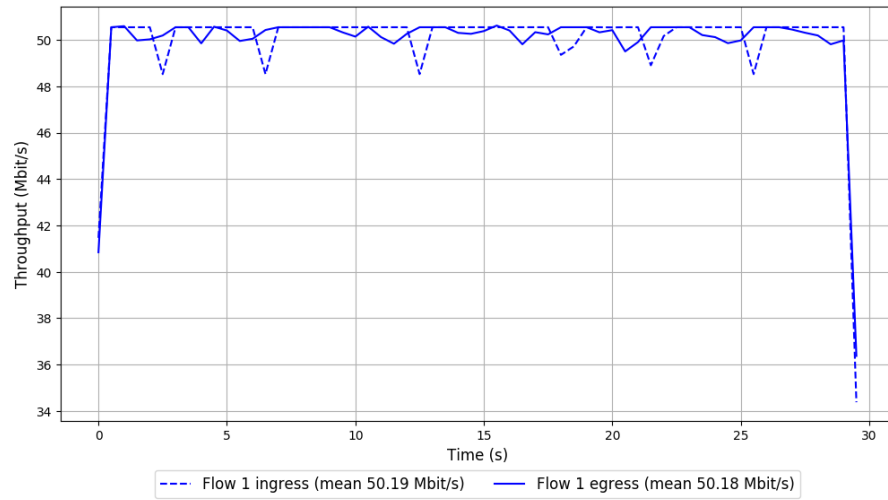
-- Flow 1:

Average throughput: 50.18 Mbit/s

95th percentile per-packet one-way delay: 11.111 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-12-19 21:24:52

End at: 2017-12-19 21:25:22

Local clock offset: 0.446 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2017-12-20 01:07:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.14 Mbit/s

95th percentile per-packet one-way delay: 11.256 ms

Loss rate: 0.00%

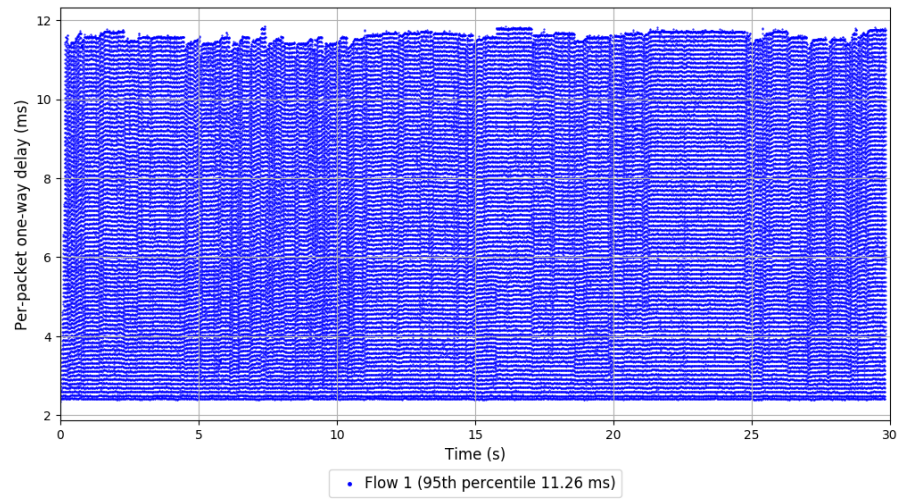
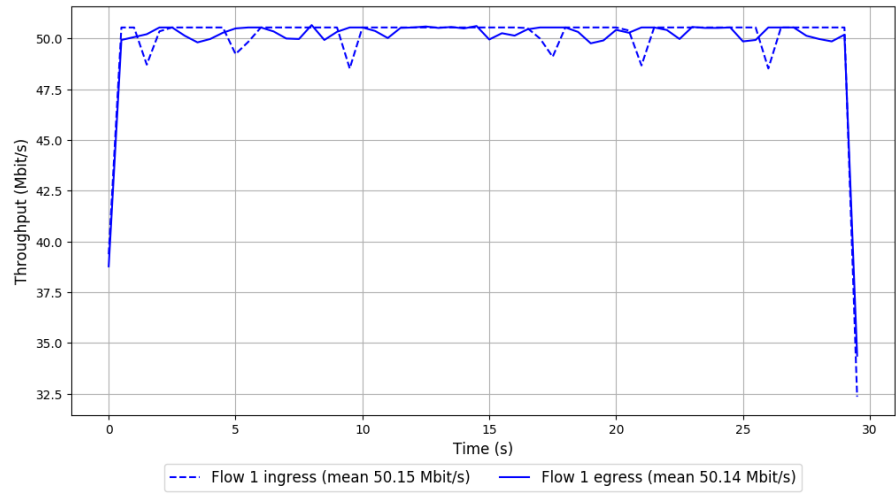
-- Flow 1:

Average throughput: 50.14 Mbit/s

95th percentile per-packet one-way delay: 11.256 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-12-19 21:41:46

End at: 2017-12-19 21:42:16

Local clock offset: 0.349 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2017-12-20 01:07:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 11.245 ms

Loss rate: 0.03%

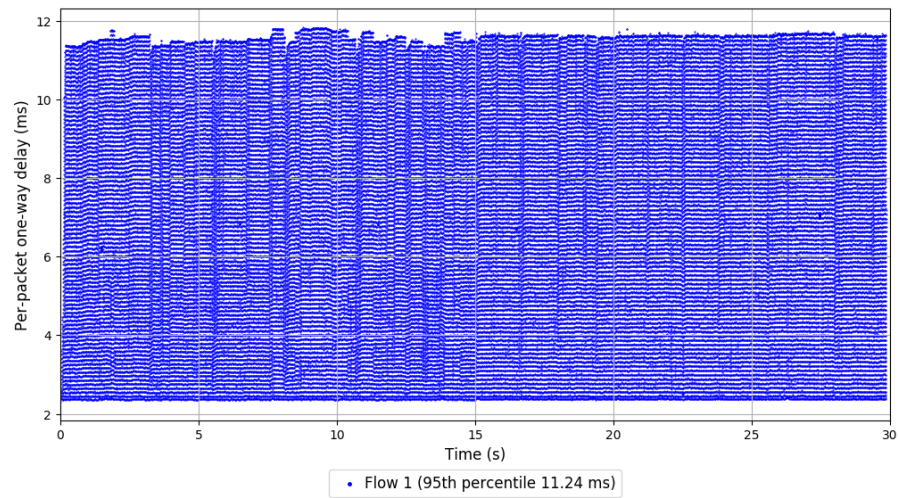
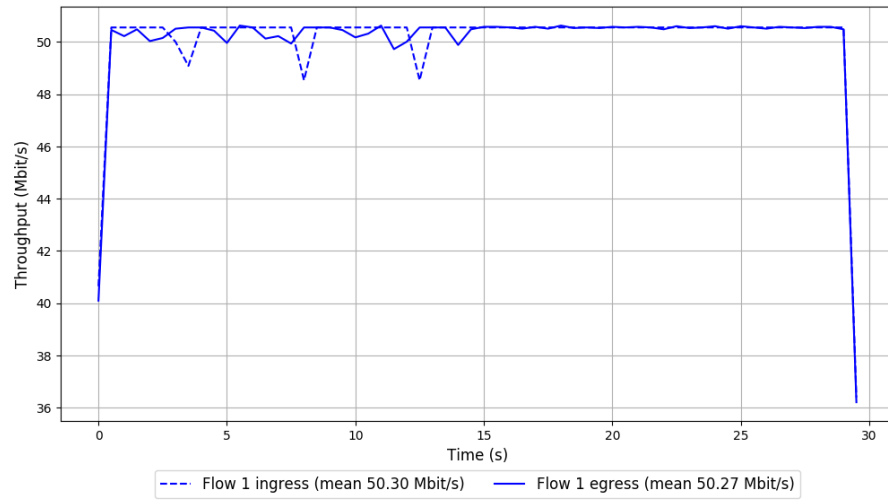
-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 11.245 ms

Loss rate: 0.03%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-12-19 21:58:46

End at: 2017-12-19 21:59:16

Local clock offset: 0.159 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2017-12-20 01:07:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.19 Mbit/s

95th percentile per-packet one-way delay: 11.204 ms

Loss rate: 0.07%

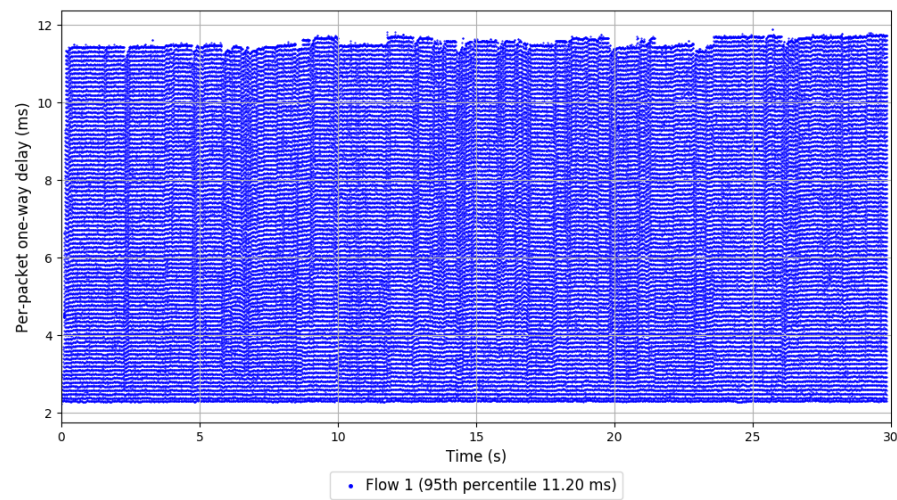
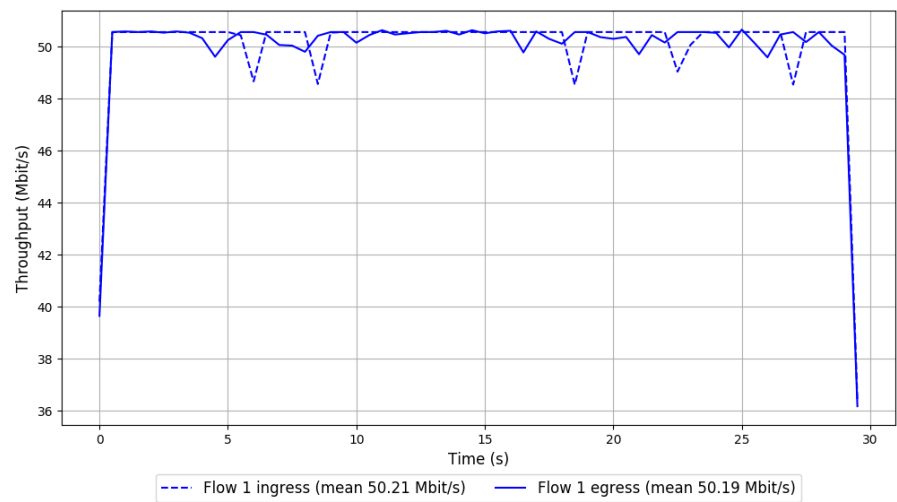
-- Flow 1:

Average throughput: 50.19 Mbit/s

95th percentile per-packet one-way delay: 11.204 ms

Loss rate: 0.07%

Run 10: Report of Sprout — Data Link

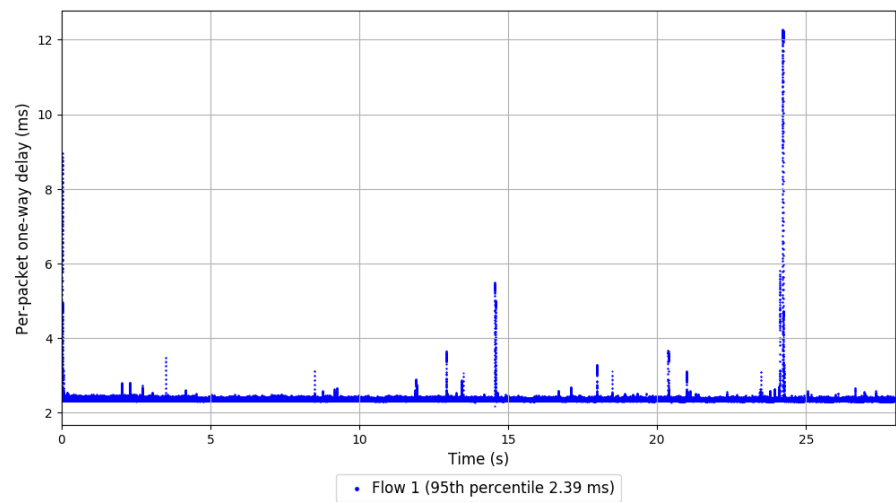
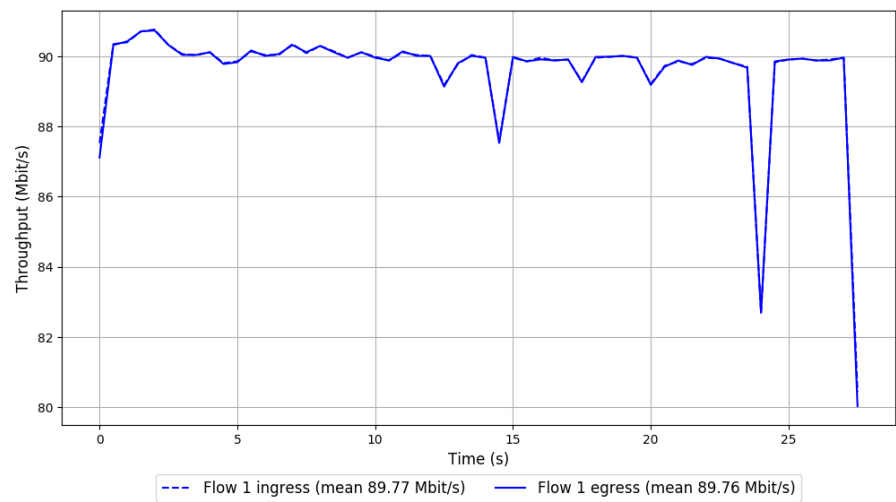


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-19 19:19:33
End at: 2017-12-19 19:20:03
Local clock offset: 0.605 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2017-12-20 01:08:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.02%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2017-12-19 19:36:31

End at: 2017-12-19 19:37:01

Local clock offset: 0.659 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2017-12-20 01:08:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.78 Mbit/s

95th percentile per-packet one-way delay: 2.406 ms

Loss rate: 0.02%

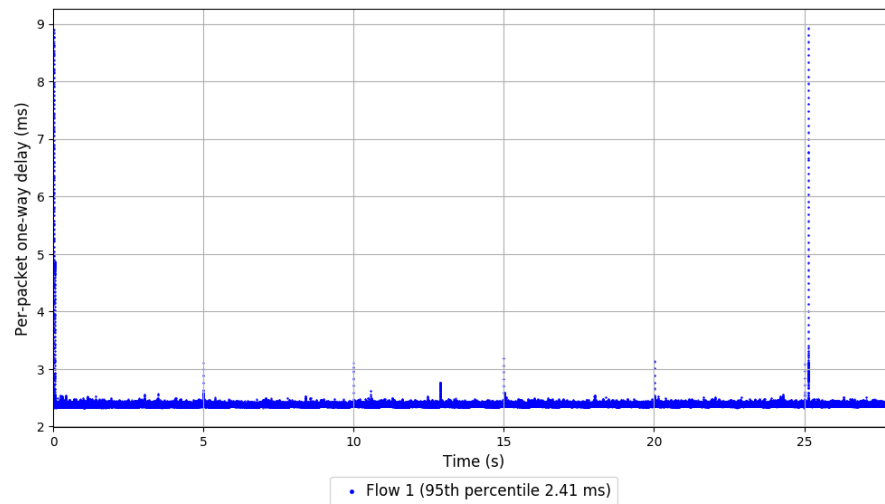
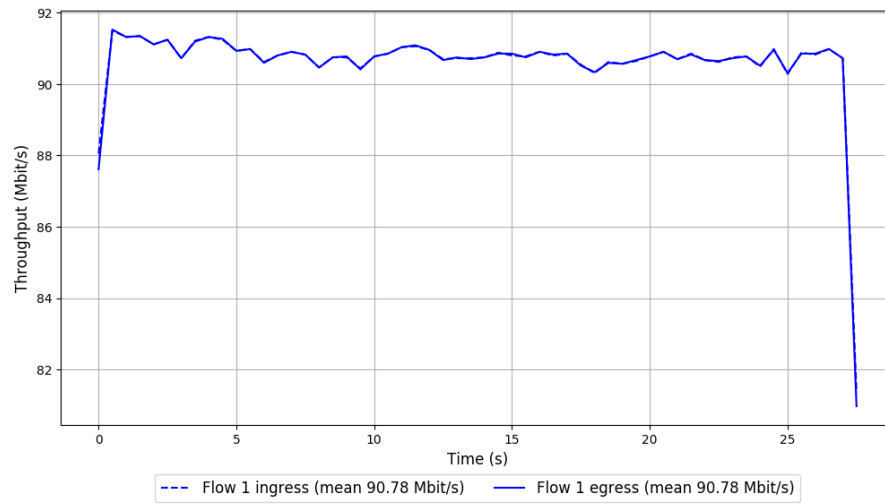
-- Flow 1:

Average throughput: 90.78 Mbit/s

95th percentile per-packet one-way delay: 2.406 ms

Loss rate: 0.02%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-12-19 19:53:26

End at: 2017-12-19 19:53:56

Local clock offset: 0.668 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2017-12-20 01:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 2.418 ms

Loss rate: 0.02%

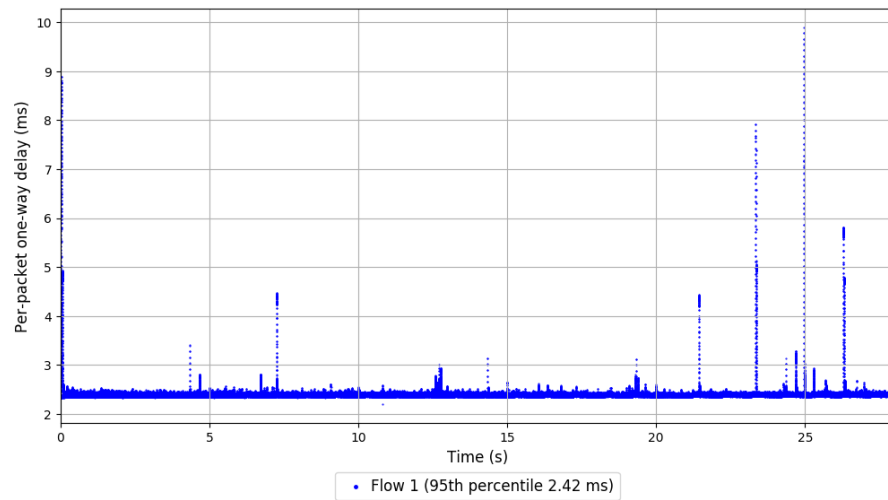
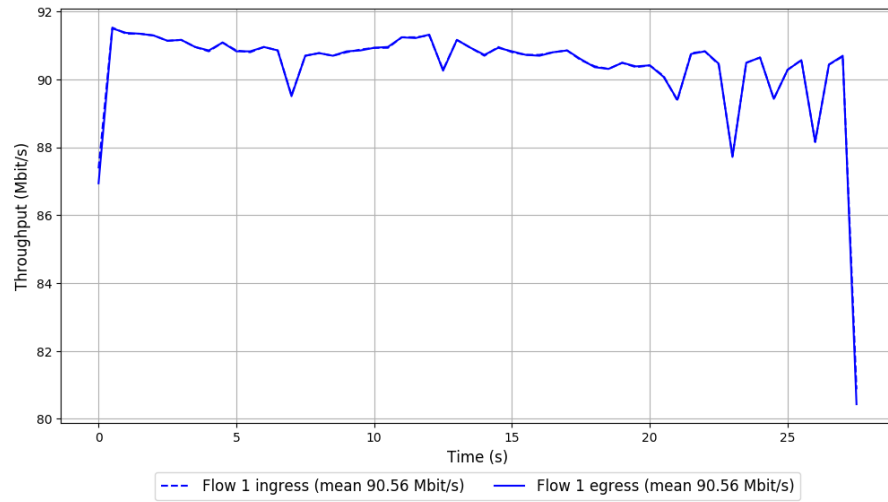
-- Flow 1:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 2.418 ms

Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-12-19 20:10:21

End at: 2017-12-19 20:10:51

Local clock offset: 0.565 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2017-12-20 01:08:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.82 Mbit/s

95th percentile per-packet one-way delay: 2.422 ms

Loss rate: 0.02%

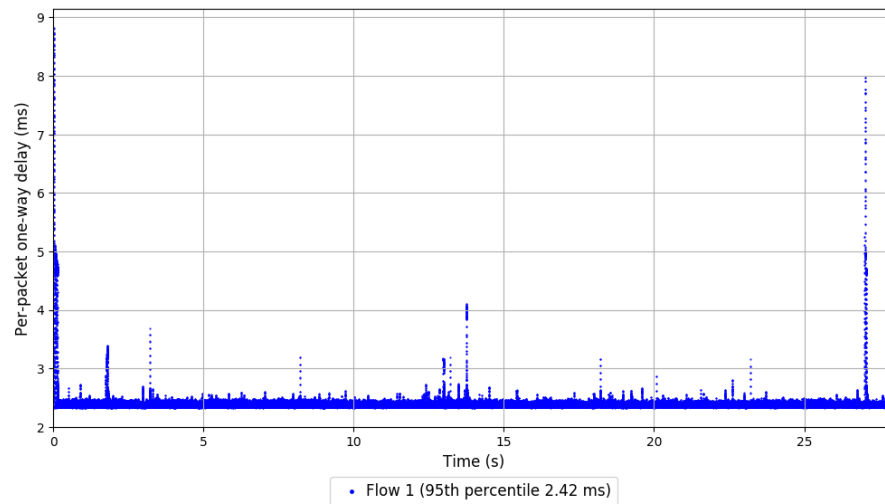
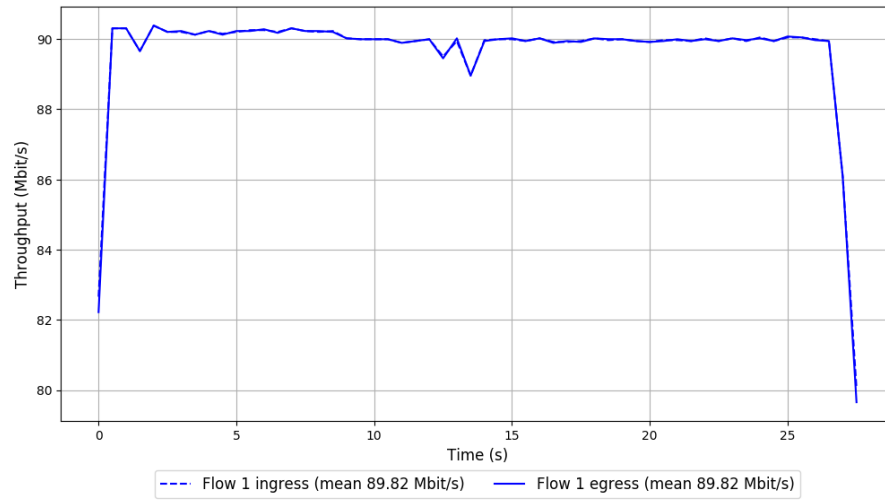
-- Flow 1:

Average throughput: 89.82 Mbit/s

95th percentile per-packet one-way delay: 2.422 ms

Loss rate: 0.02%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-12-19 20:27:20

End at: 2017-12-19 20:27:50

Local clock offset: 0.426 ms

Remote clock offset: 0.492 ms

Below is generated by plot.py at 2017-12-20 01:09:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 2.438 ms

Loss rate: 0.02%

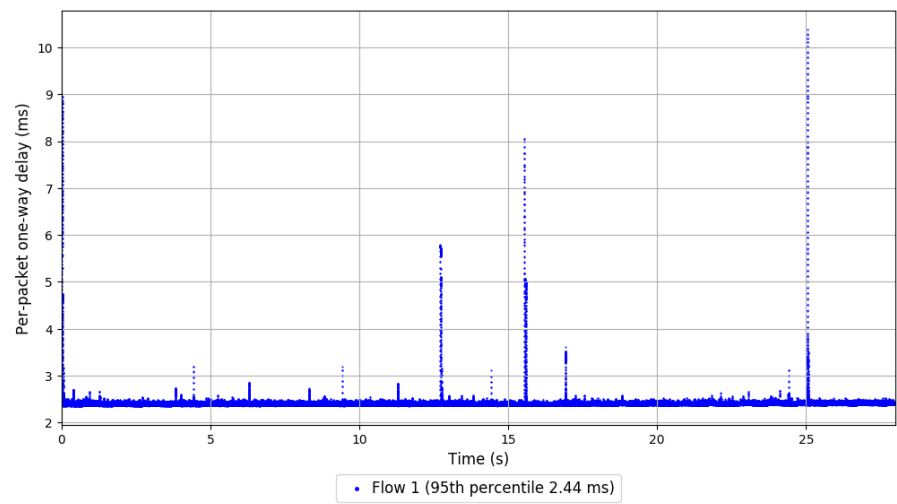
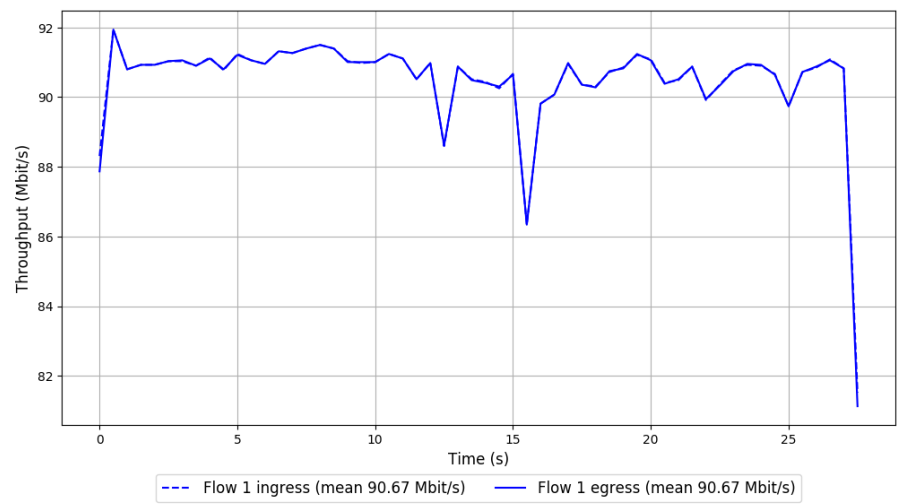
-- Flow 1:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 2.438 ms

Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-12-19 20:44:14

End at: 2017-12-19 20:44:45

Local clock offset: 0.018 ms

Remote clock offset: 0.483 ms

Below is generated by plot.py at 2017-12-20 01:09:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.02%

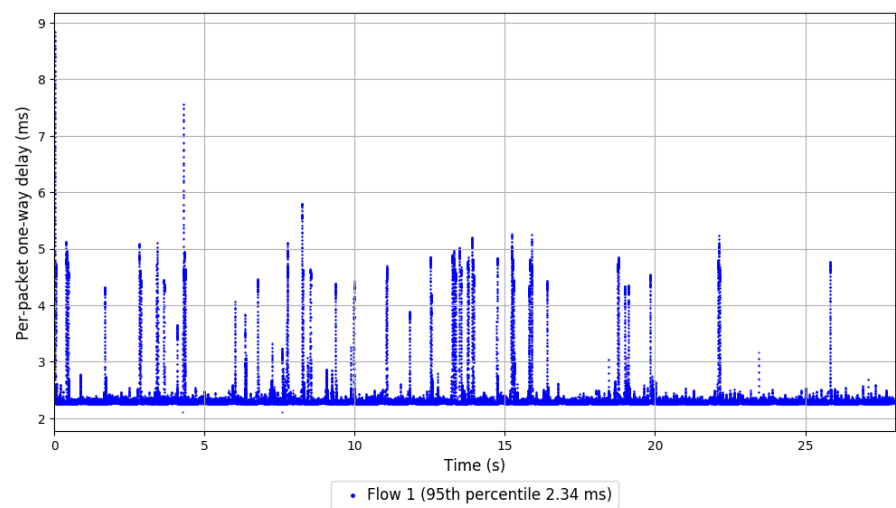
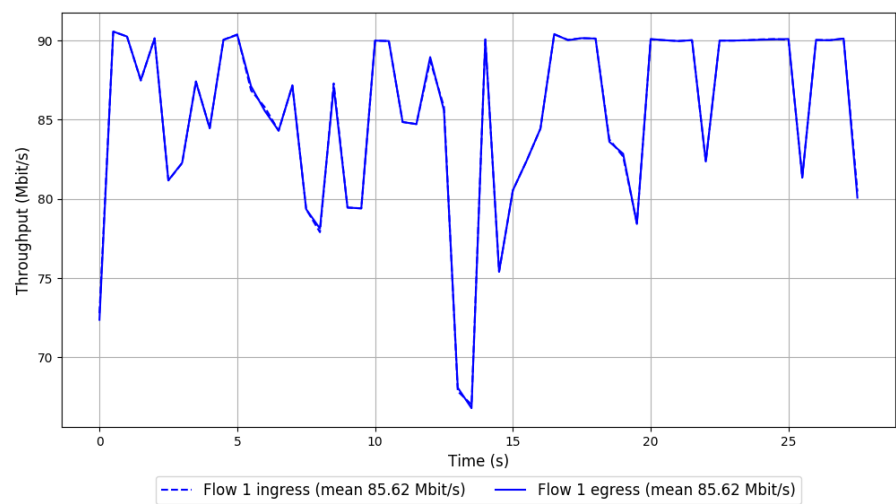
-- Flow 1:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.02%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-12-19 21:01:08

End at: 2017-12-19 21:01:38

Local clock offset: 0.202 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2017-12-20 01:09:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.33 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.02%

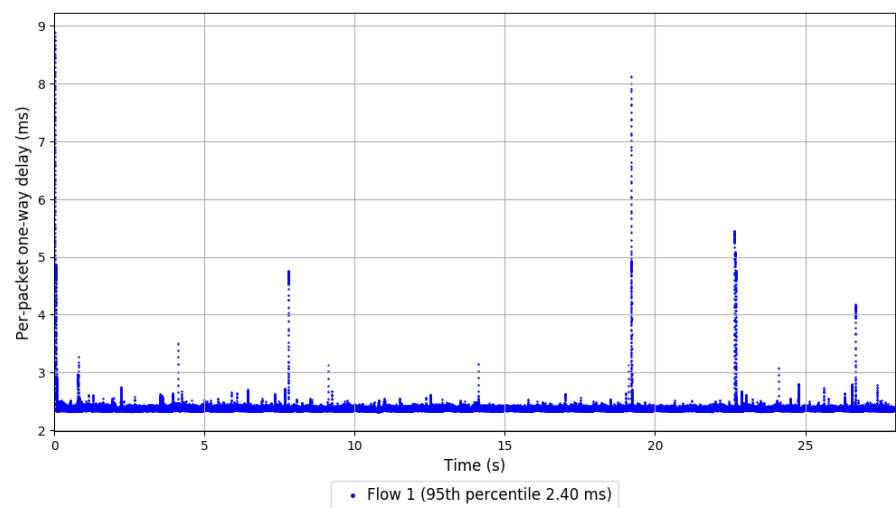
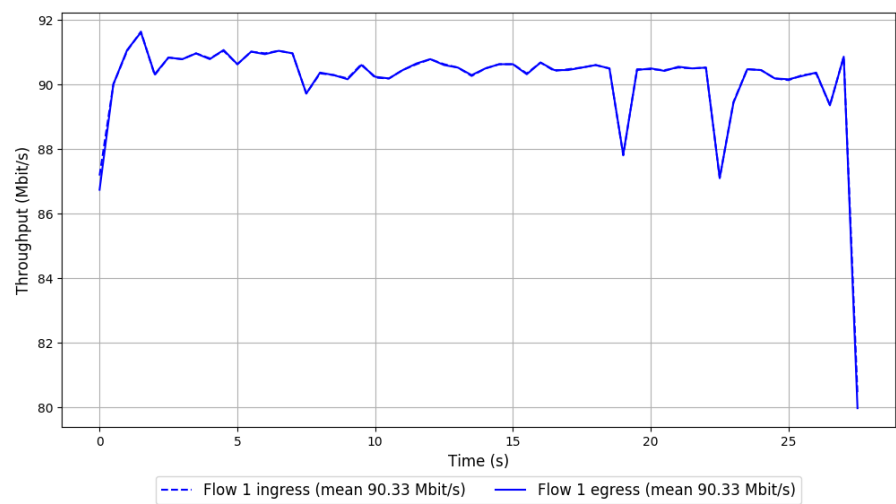
-- Flow 1:

Average throughput: 90.33 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-12-19 21:18:05

End at: 2017-12-19 21:18:35

Local clock offset: 0.371 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2017-12-20 01:09:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 2.389 ms

Loss rate: 0.02%

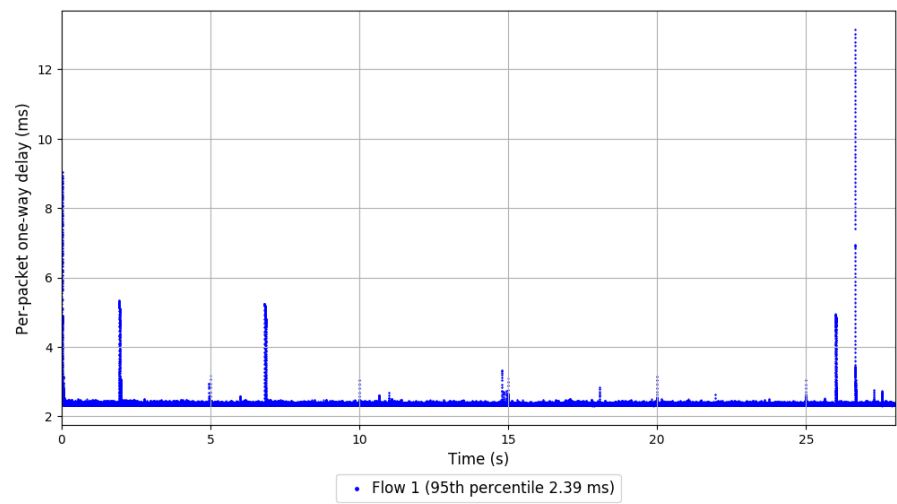
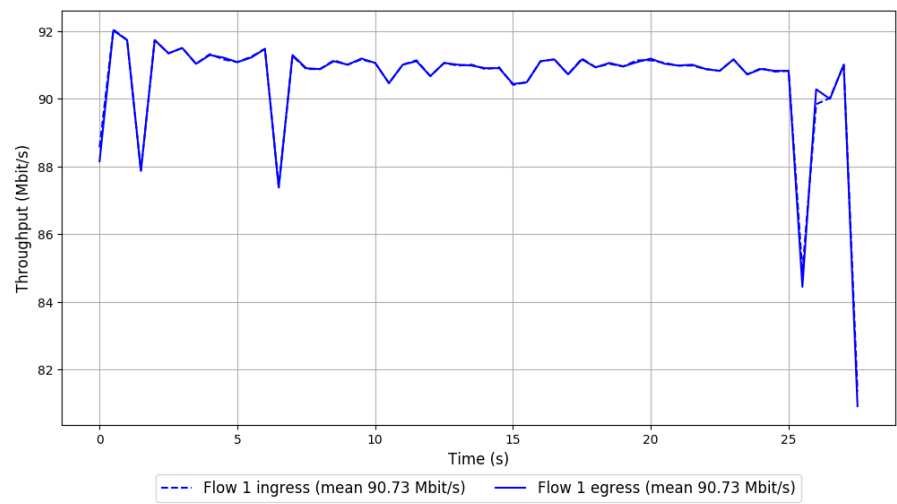
-- Flow 1:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 2.389 ms

Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-12-19 21:35:01

End at: 2017-12-19 21:35:31

Local clock offset: 0.399 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2017-12-20 01:10:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 2.476 ms

Loss rate: 0.01%

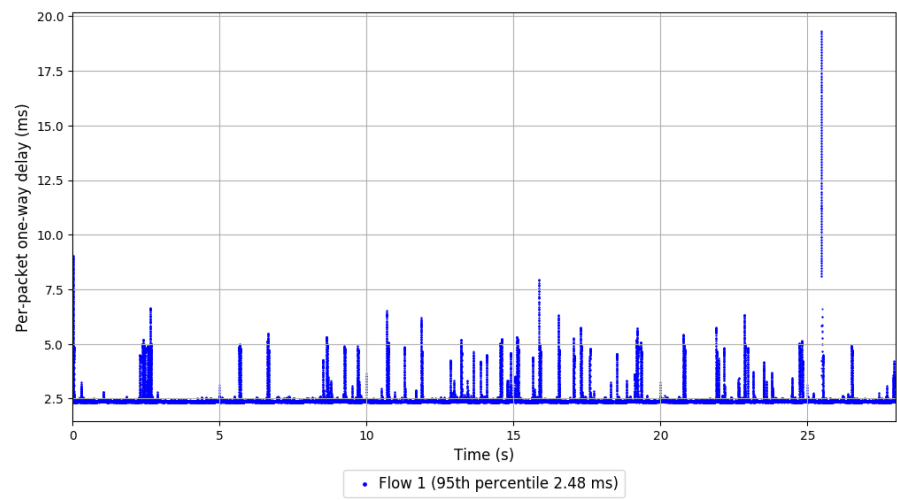
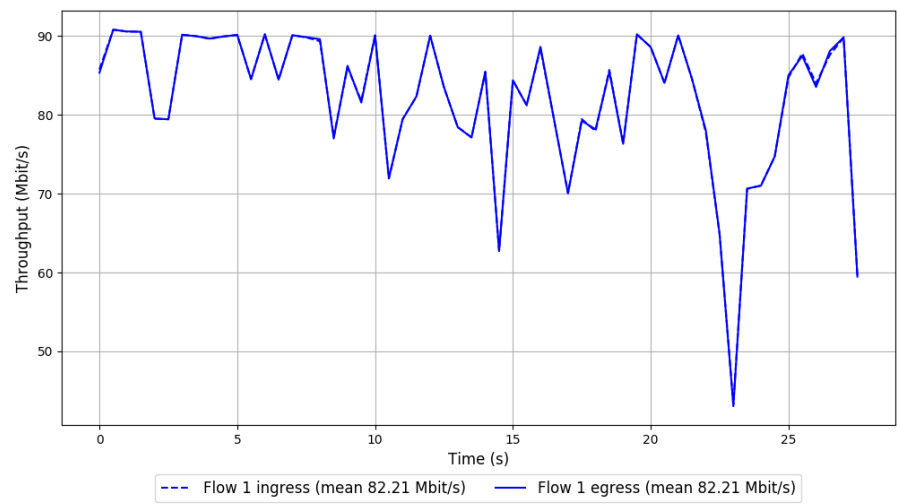
-- Flow 1:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 2.476 ms

Loss rate: 0.01%

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

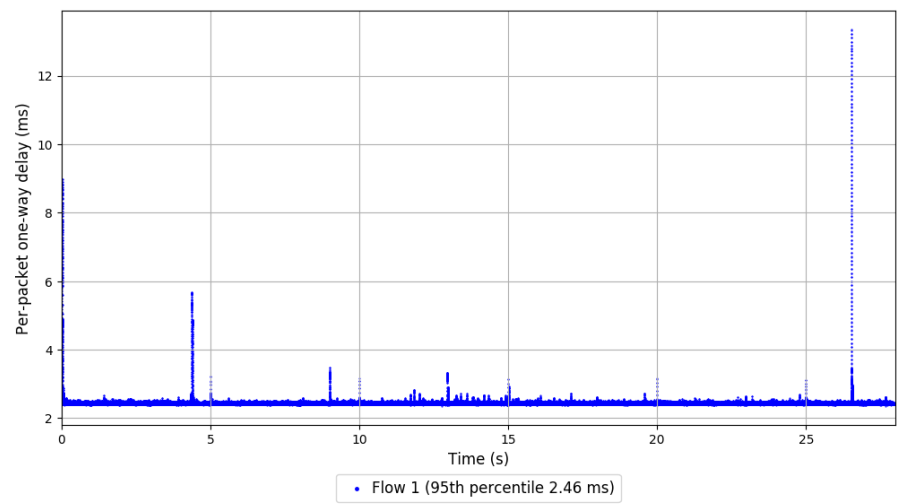
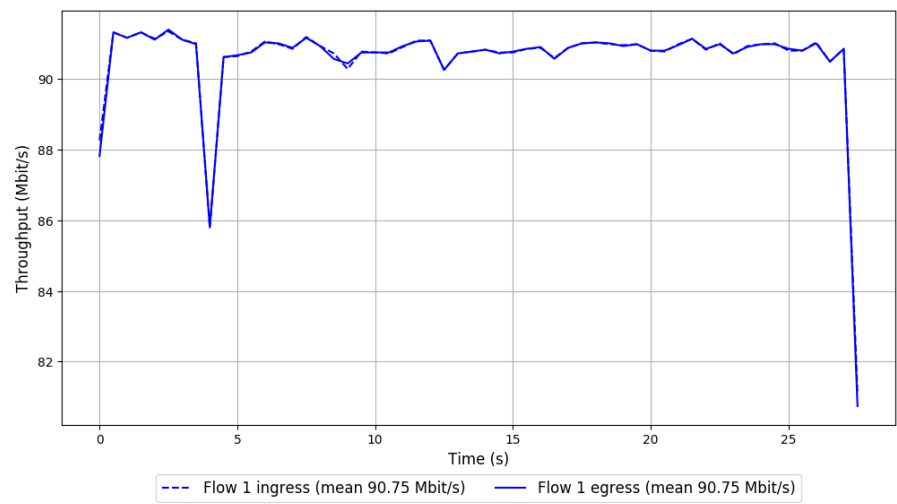


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-12-19 21:51:59
End at: 2017-12-19 21:52:29
Local clock offset: 0.241 ms
Remote clock offset: 0.305 ms

# Below is generated by plot.py at 2017-12-20 01:11:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 2.463 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 2.463 ms
Loss rate: 0.02%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2017-12-19 19:25:15

End at: 2017-12-19 19:25:45

Local clock offset: 0.807 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2017-12-20 01:11:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 3.550 ms

Loss rate: 0.02%

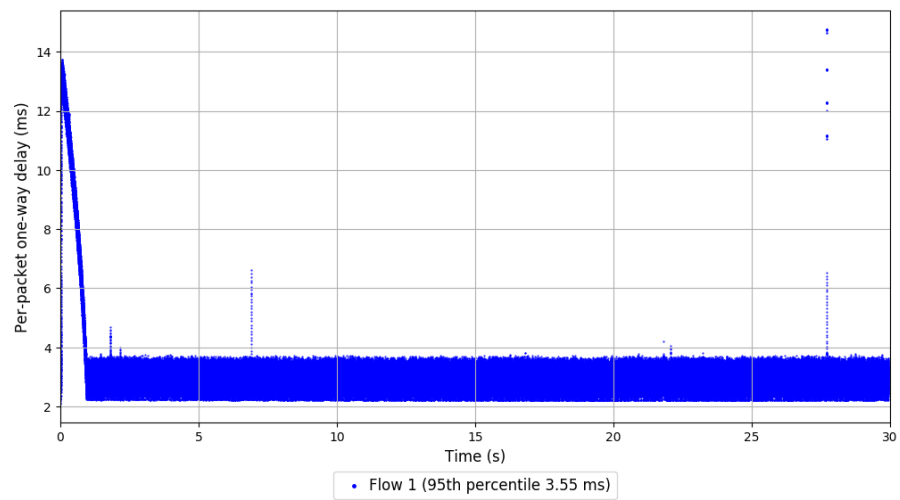
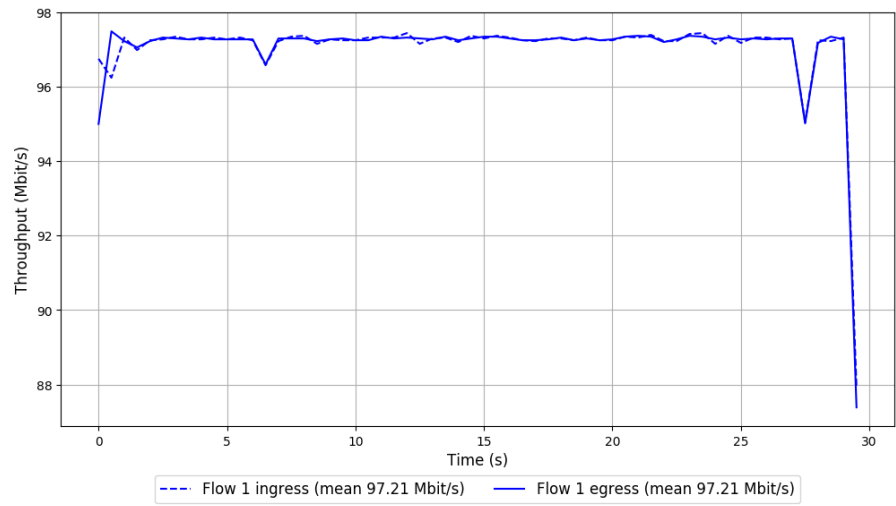
-- Flow 1:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 3.550 ms

Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-12-19 19:42:09

End at: 2017-12-19 19:42:39

Local clock offset: 0.682 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2017-12-20 01:11:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 3.677 ms

Loss rate: 0.02%

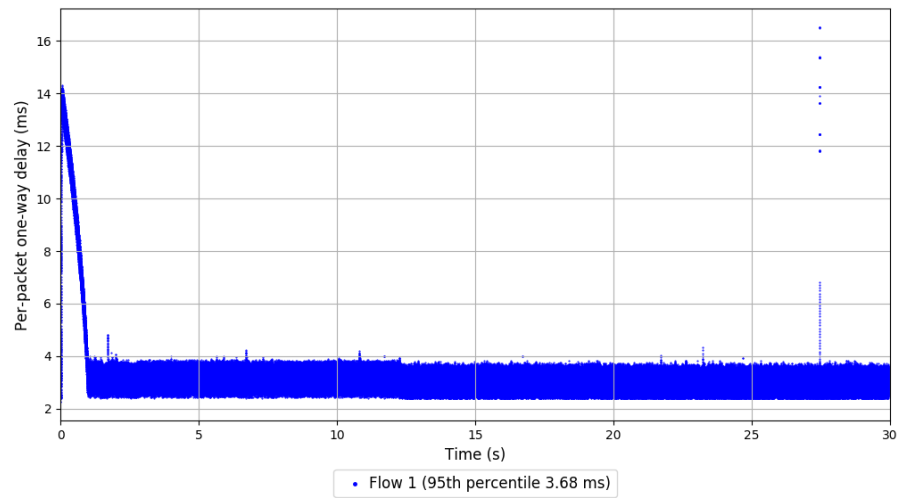
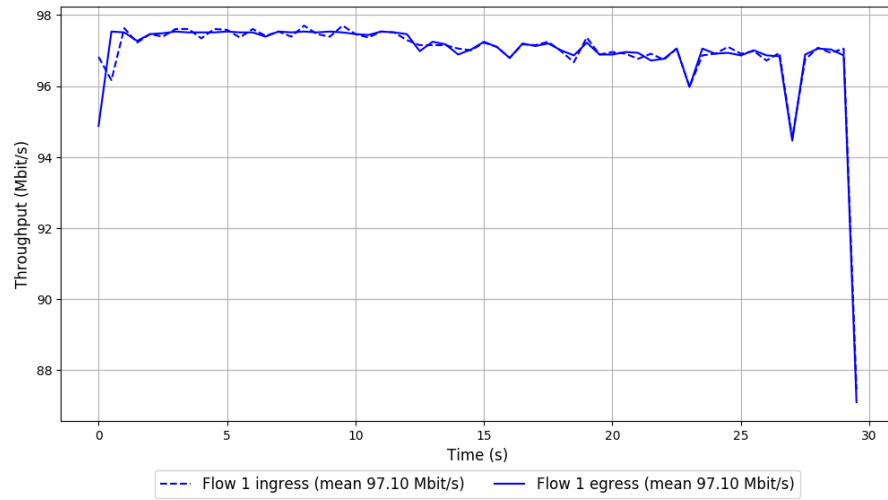
-- Flow 1:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 3.677 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-12-19 19:59:05

End at: 2017-12-19 19:59:35

Local clock offset: 0.671 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2017-12-20 01:11:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 3.511 ms

Loss rate: 0.02%

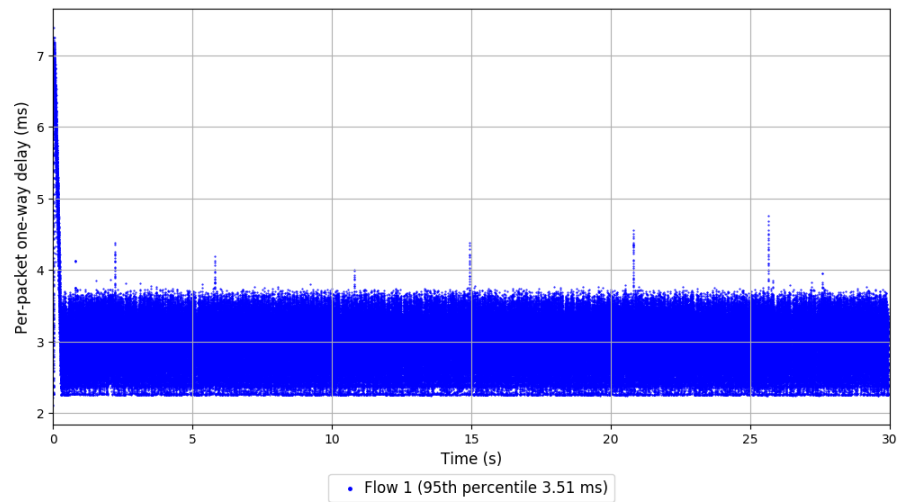
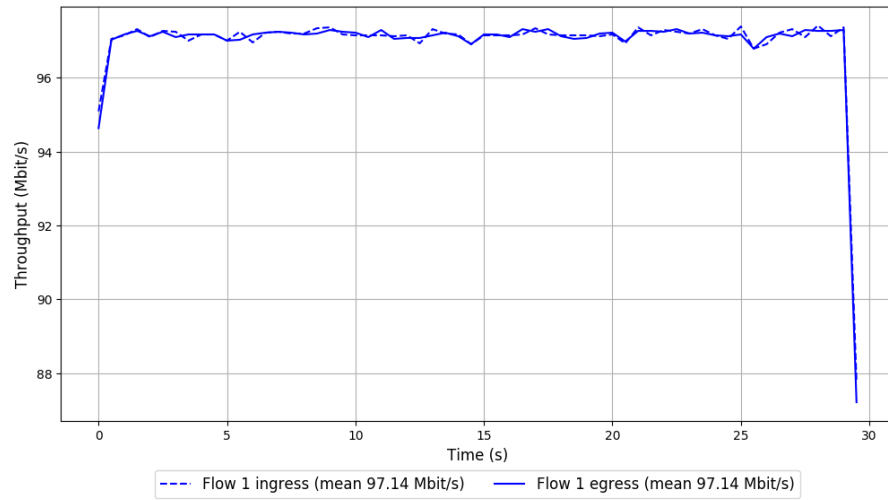
-- Flow 1:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 3.511 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-12-19 20:16:02

End at: 2017-12-19 20:16:32

Local clock offset: 0.522 ms

Remote clock offset: 0.497 ms

Below is generated by plot.py at 2017-12-20 01:11:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 3.489 ms

Loss rate: 0.02%

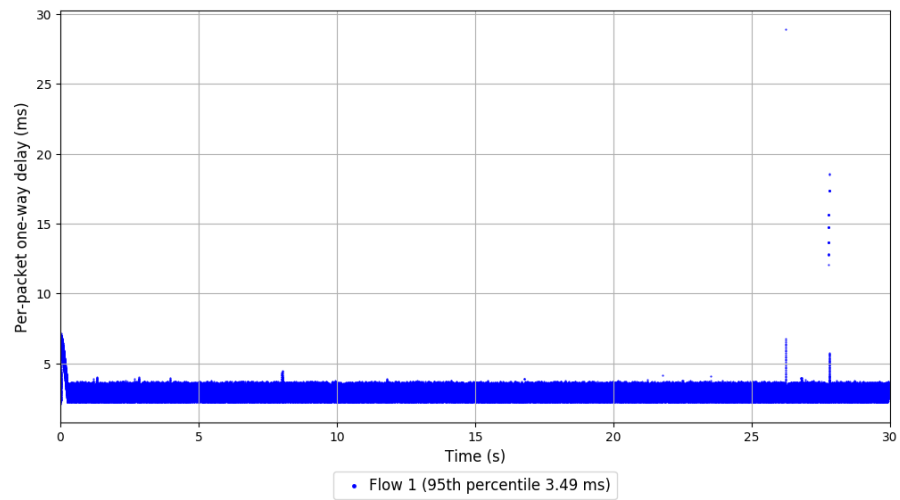
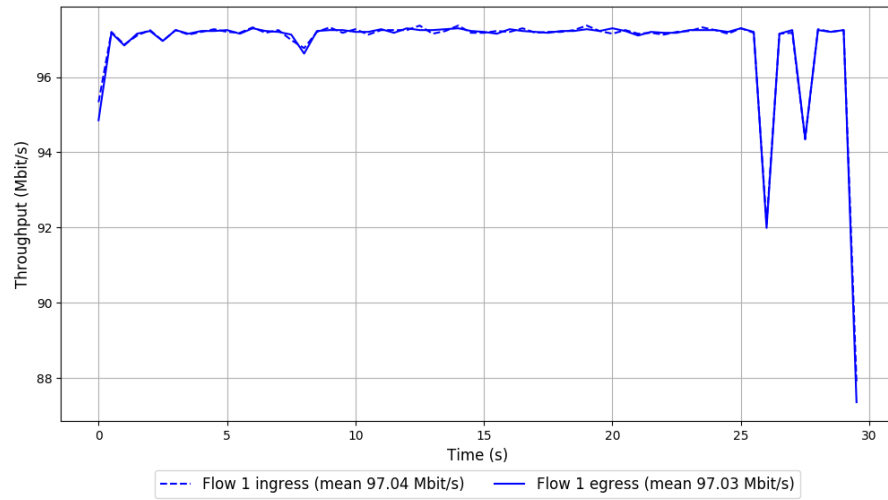
-- Flow 1:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 3.489 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-12-19 20:32:58

End at: 2017-12-19 20:33:28

Local clock offset: 0.164 ms

Remote clock offset: 0.493 ms

Below is generated by plot.py at 2017-12-20 01:11:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 3.444 ms

Loss rate: 0.02%

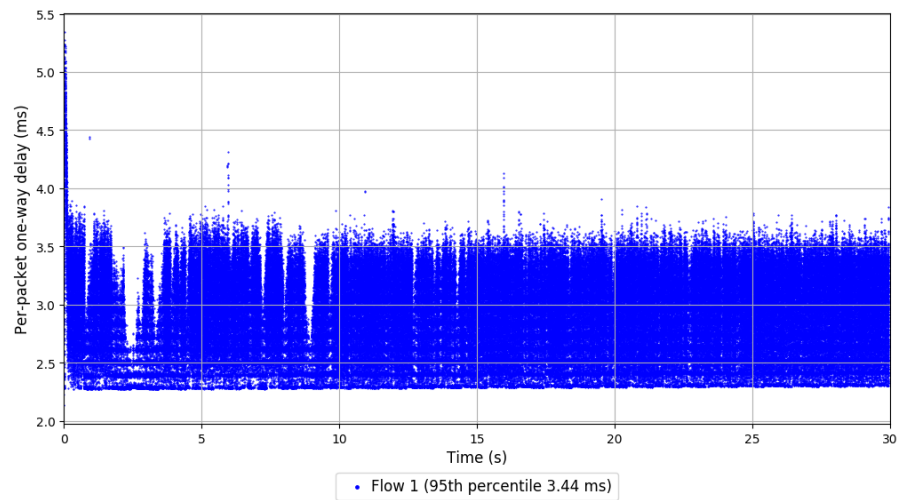
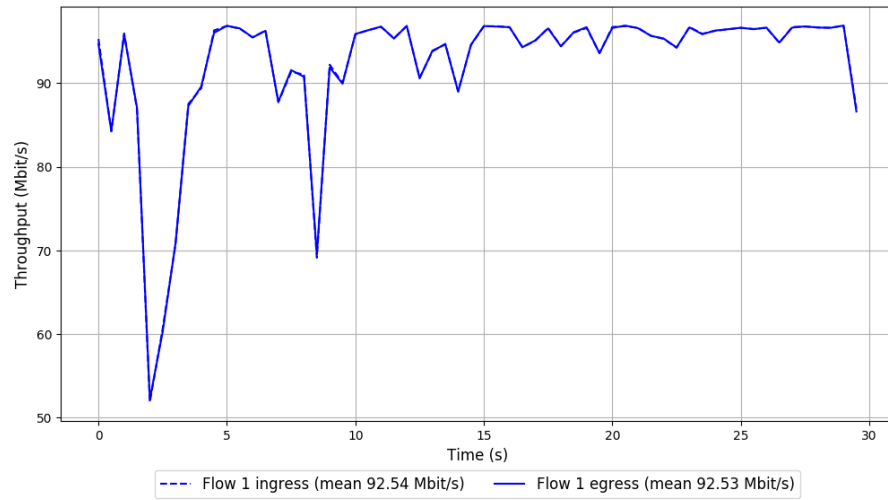
-- Flow 1:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 3.444 ms

Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-12-19 20:49:50

End at: 2017-12-19 20:50:20

Local clock offset: 0.13 ms

Remote clock offset: 0.487 ms

Below is generated by plot.py at 2017-12-20 01:11:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 3.659 ms

Loss rate: 0.02%

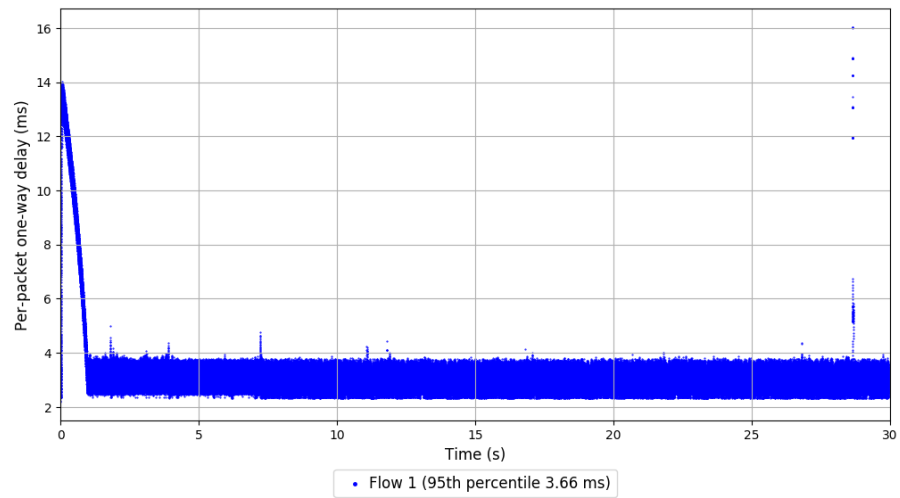
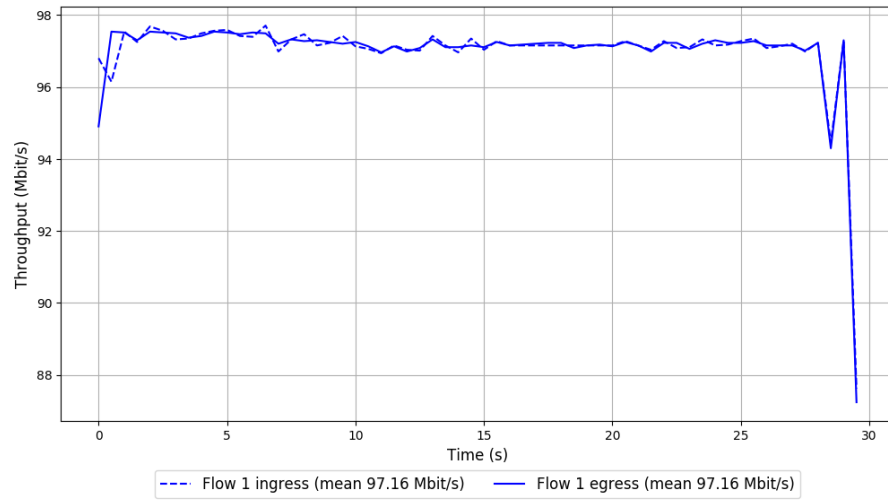
-- Flow 1:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 3.659 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-12-19 21:06:47

End at: 2017-12-19 21:07:17

Local clock offset: 0.184 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2017-12-20 01:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 3.378 ms

Loss rate: 0.02%

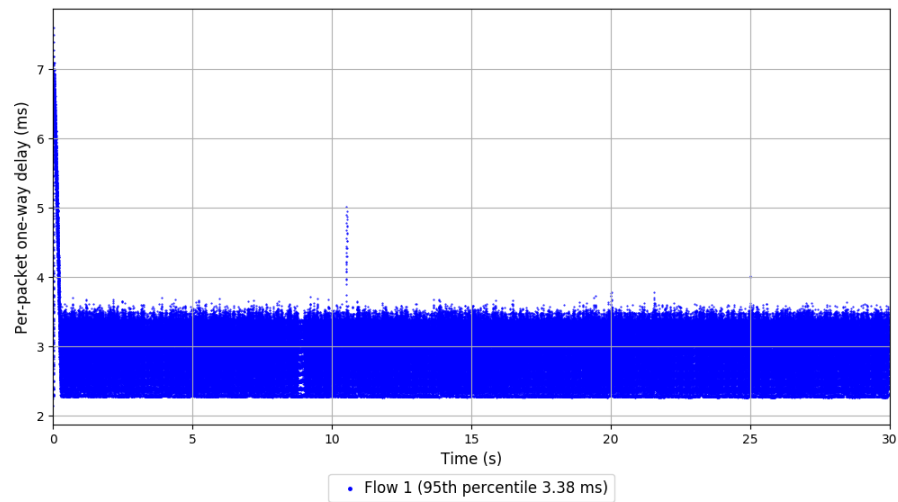
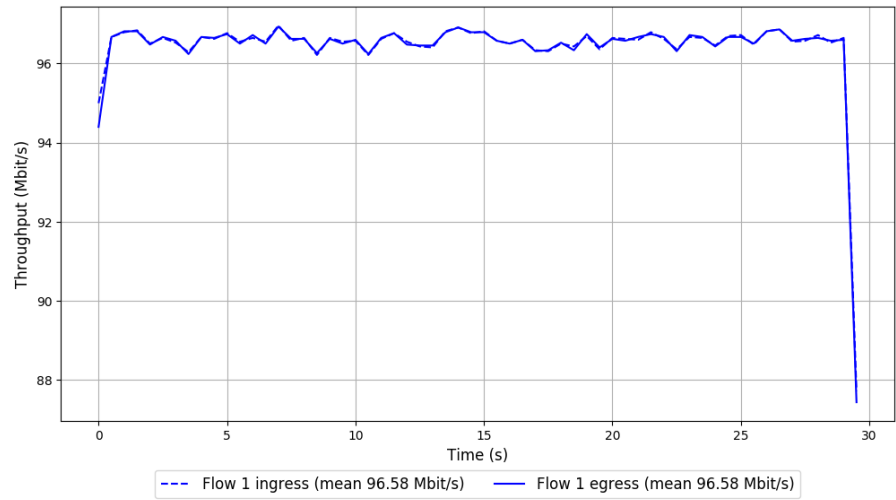
-- Flow 1:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 3.378 ms

Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-12-19 21:23:44

End at: 2017-12-19 21:24:14

Local clock offset: 0.409 ms

Remote clock offset: 0.5 ms

Below is generated by plot.py at 2017-12-20 01:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 3.487 ms

Loss rate: 0.03%

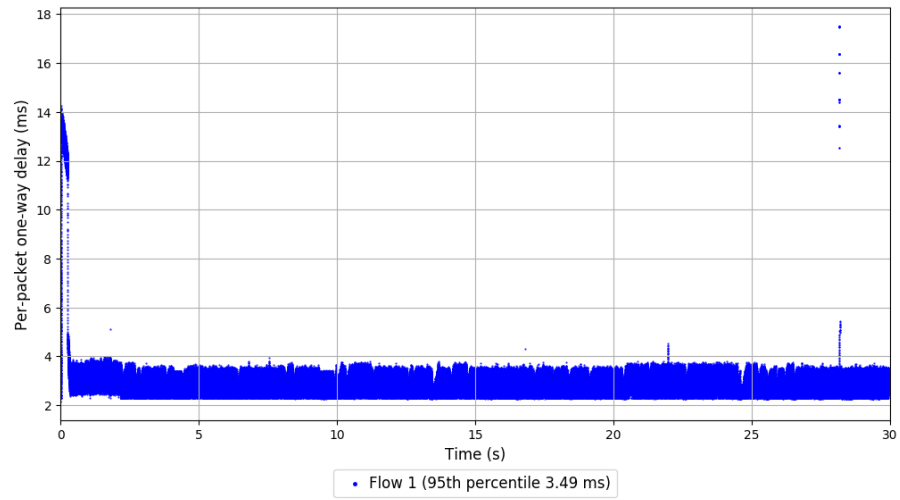
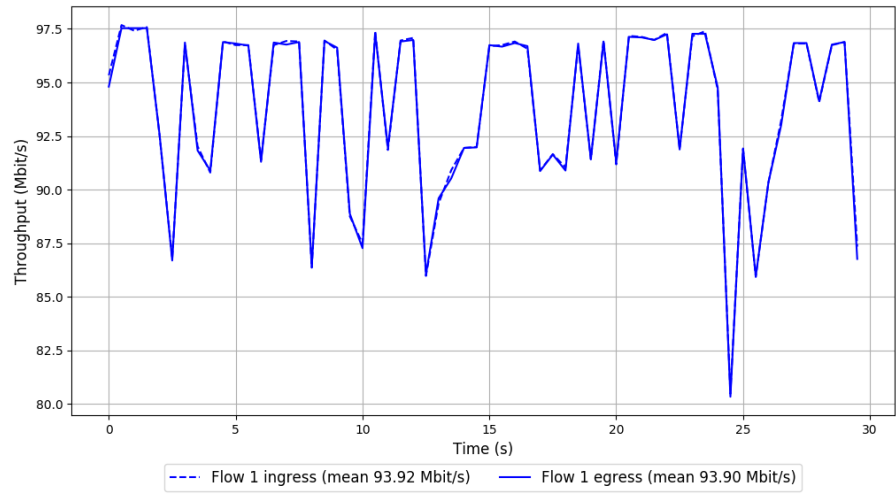
-- Flow 1:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 3.487 ms

Loss rate: 0.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-12-19 21:40:37

End at: 2017-12-19 21:41:07

Local clock offset: 0.315 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2017-12-20 01:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 3.407 ms

Loss rate: 0.02%

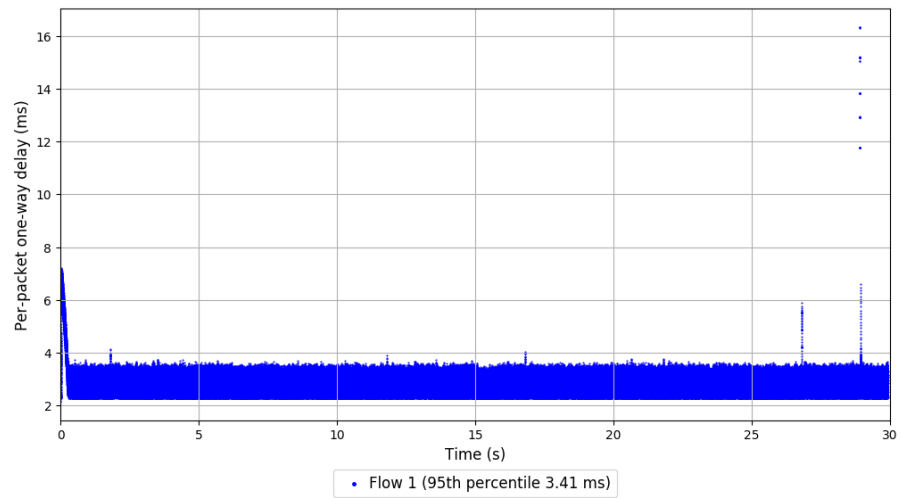
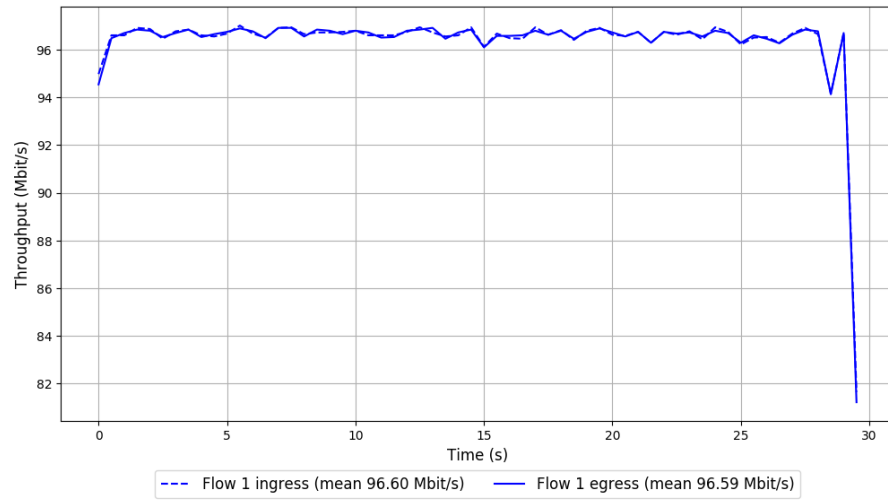
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 3.407 ms

Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-12-19 21:57:38

End at: 2017-12-19 21:58:08

Local clock offset: 0.243 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2017-12-20 01:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 3.669 ms

Loss rate: 0.02%

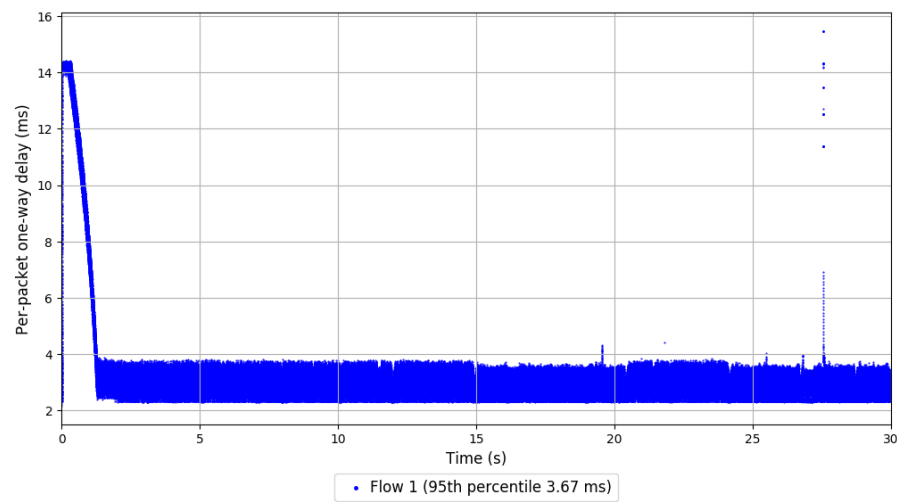
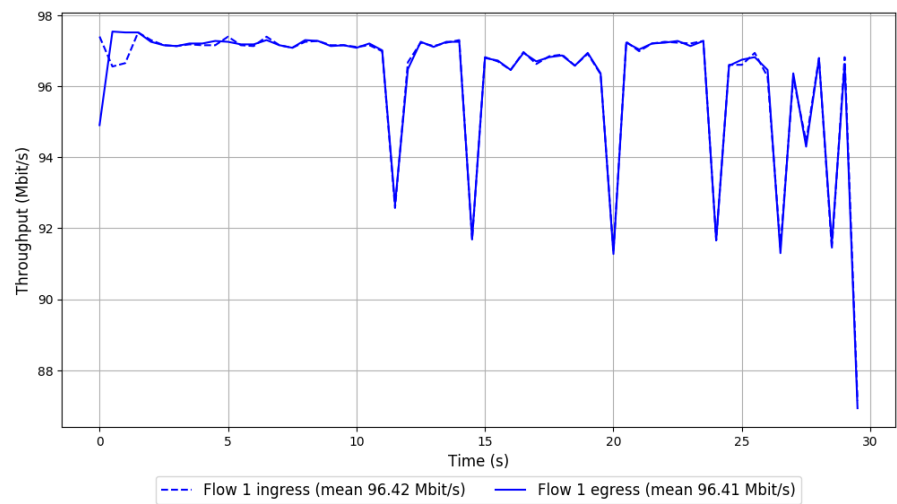
-- Flow 1:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 3.669 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

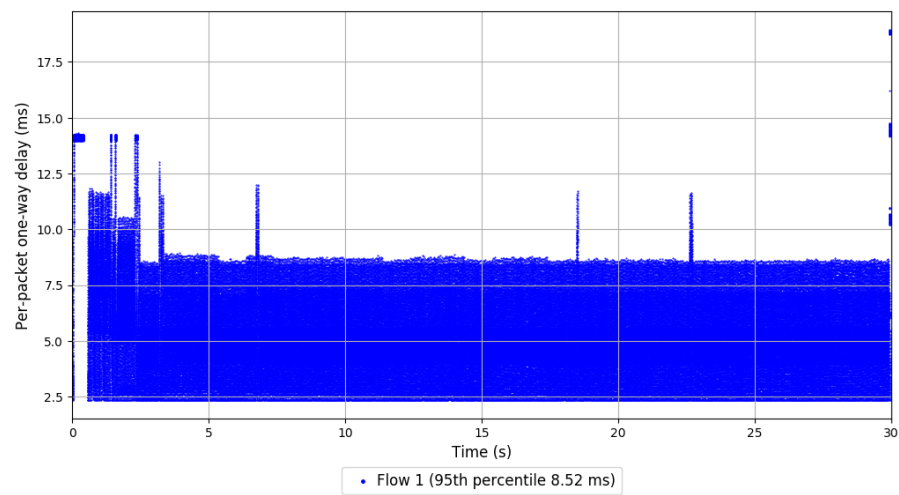
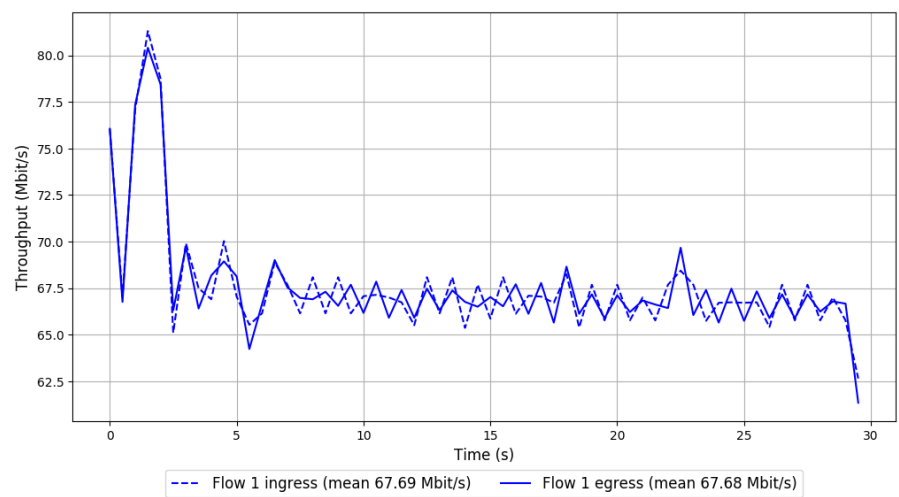


Run 1: Statistics of Verus

Start at: 2017-12-19 19:17:21
End at: 2017-12-19 19:17:51
Local clock offset: 0.526 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2017-12-20 01:12:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 8.521 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 8.521 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-12-19 19:34:19

End at: 2017-12-19 19:34:49

Local clock offset: 0.712 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2017-12-20 01:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 9.160 ms

Loss rate: 0.02%

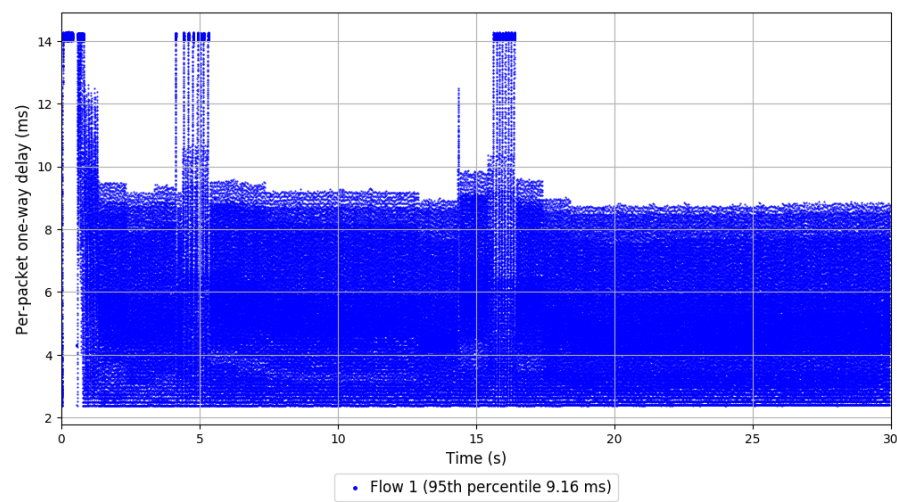
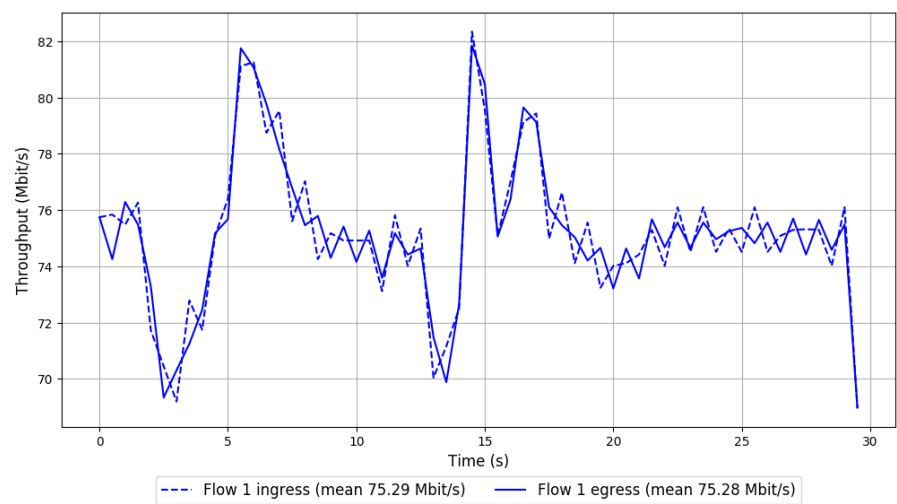
-- Flow 1:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 9.160 ms

Loss rate: 0.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-12-19 19:51:14

End at: 2017-12-19 19:51:44

Local clock offset: 0.705 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2017-12-20 01:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.91 Mbit/s

95th percentile per-packet one-way delay: 10.310 ms

Loss rate: 0.02%

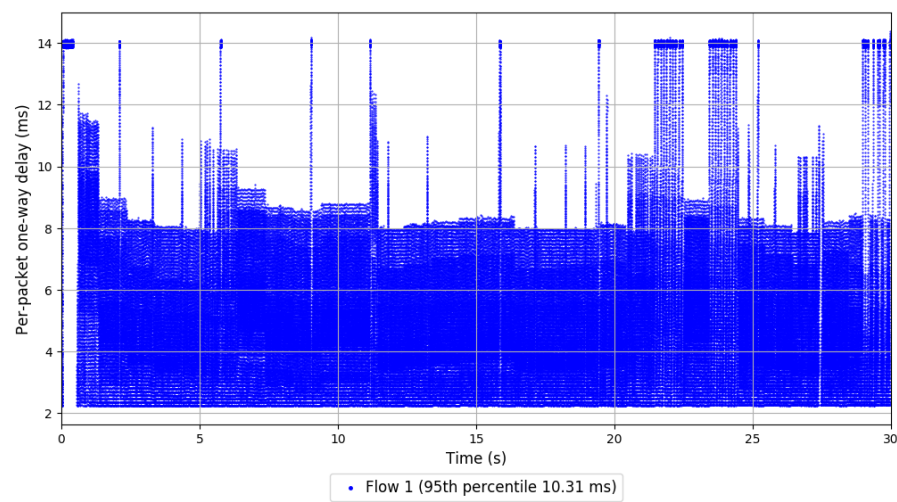
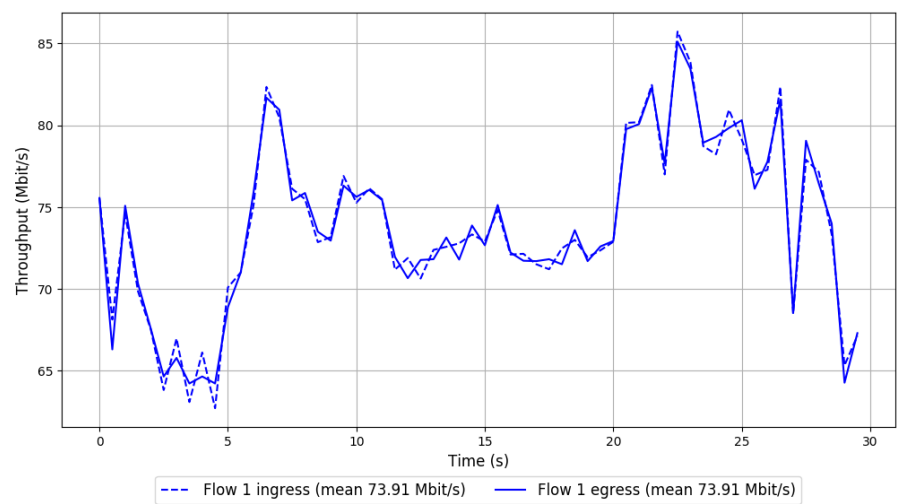
-- Flow 1:

Average throughput: 73.91 Mbit/s

95th percentile per-packet one-way delay: 10.310 ms

Loss rate: 0.02%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-12-19 20:08:09

End at: 2017-12-19 20:08:39

Local clock offset: 0.576 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2017-12-20 01:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.84 Mbit/s

95th percentile per-packet one-way delay: 8.775 ms

Loss rate: 0.02%

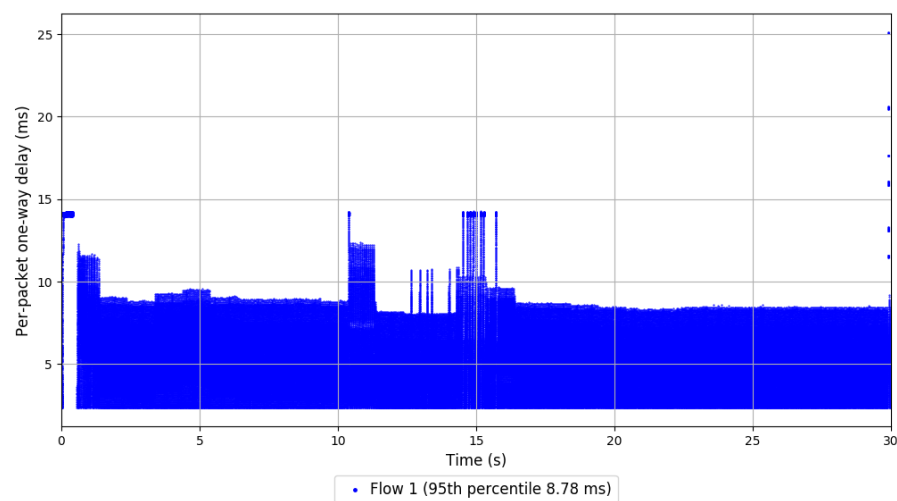
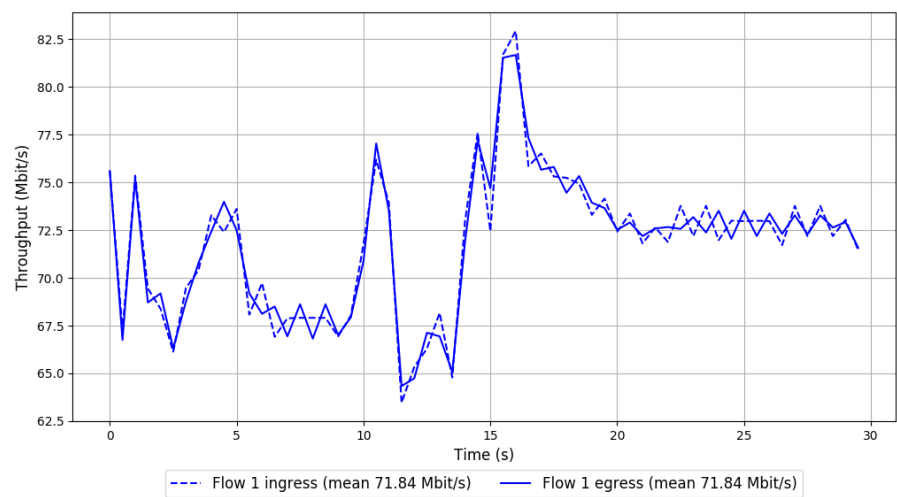
-- Flow 1:

Average throughput: 71.84 Mbit/s

95th percentile per-packet one-way delay: 8.775 ms

Loss rate: 0.02%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-12-19 20:25:08

End at: 2017-12-19 20:25:38

Local clock offset: 0.469 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2017-12-20 01:12:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.68 Mbit/s

95th percentile per-packet one-way delay: 8.234 ms

Loss rate: 0.00%

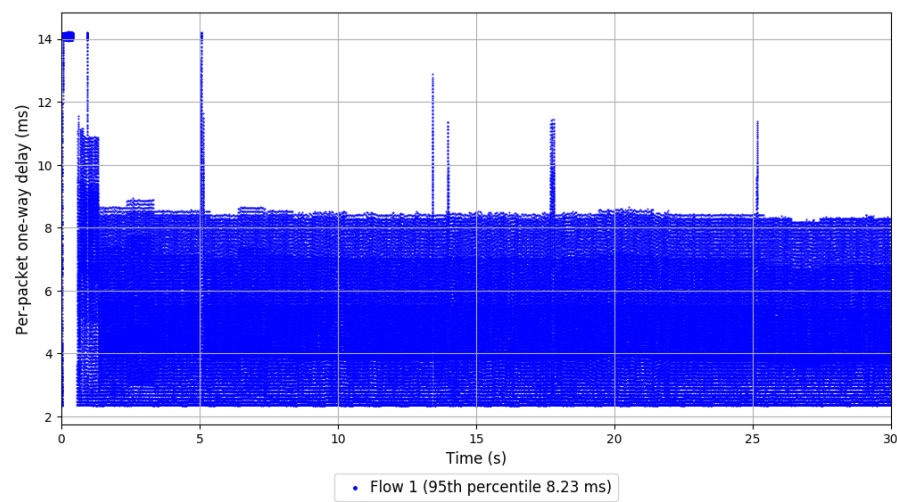
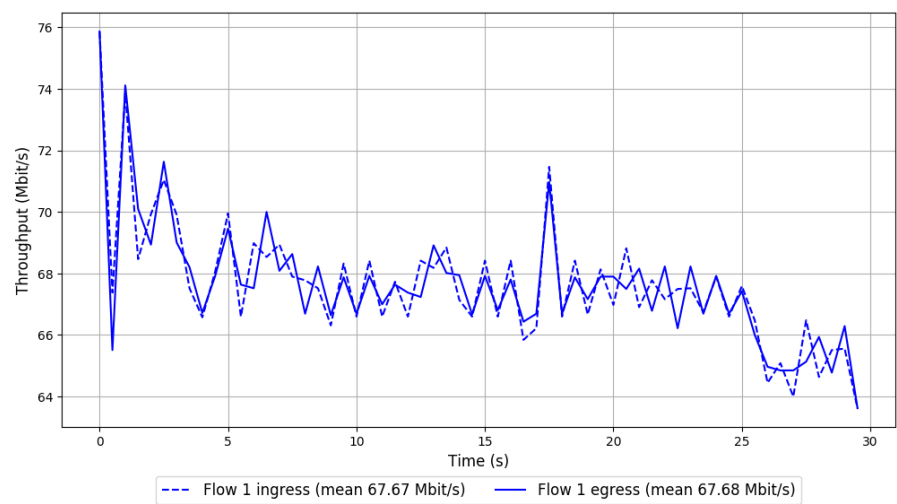
-- Flow 1:

Average throughput: 67.68 Mbit/s

95th percentile per-packet one-way delay: 8.234 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-12-19 20:42:02

End at: 2017-12-19 20:42:32

Local clock offset: 0.063 ms

Remote clock offset: 0.492 ms

Below is generated by plot.py at 2017-12-20 01:12:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 13.632 ms

Loss rate: 0.02%

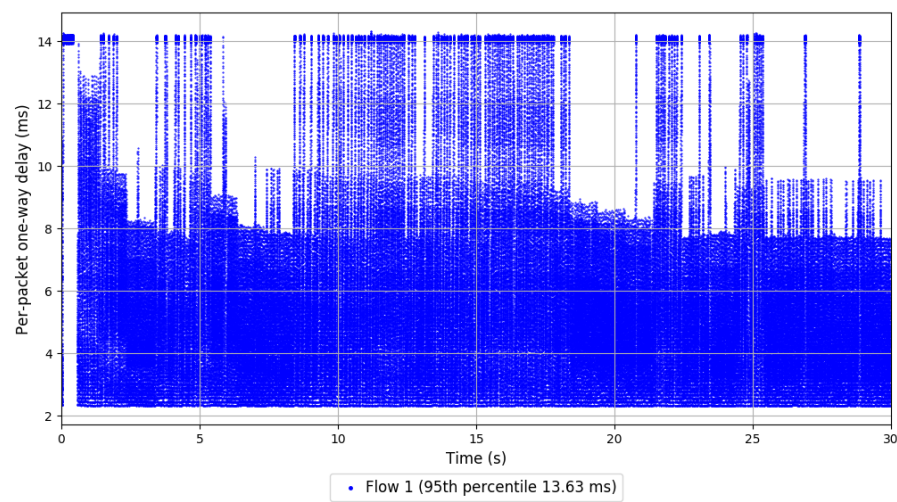
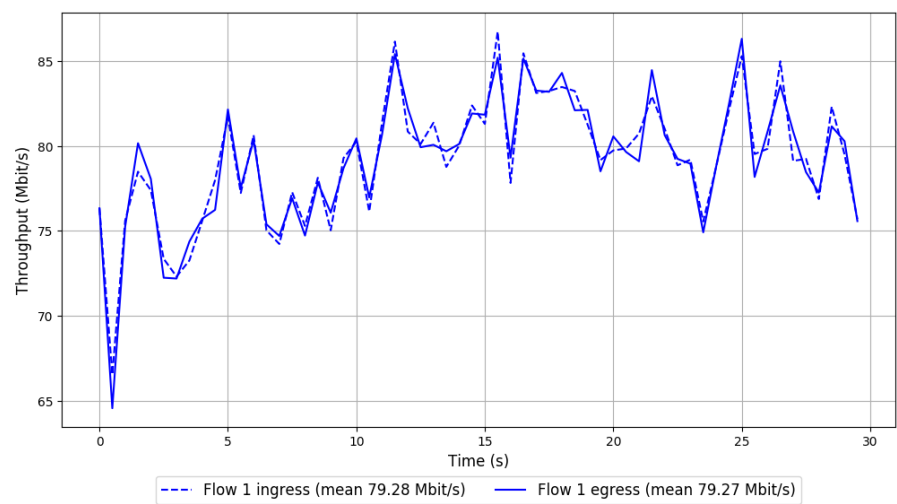
-- Flow 1:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 13.632 ms

Loss rate: 0.02%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-12-19 20:58:56

End at: 2017-12-19 20:59:26

Local clock offset: 0.19 ms

Remote clock offset: 0.477 ms

Below is generated by plot.py at 2017-12-20 01:13:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.20 Mbit/s

95th percentile per-packet one-way delay: 8.145 ms

Loss rate: 0.03%

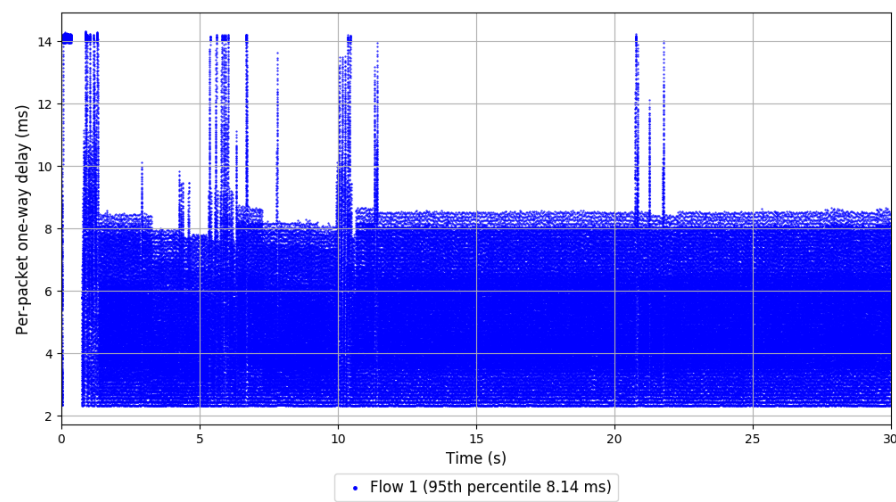
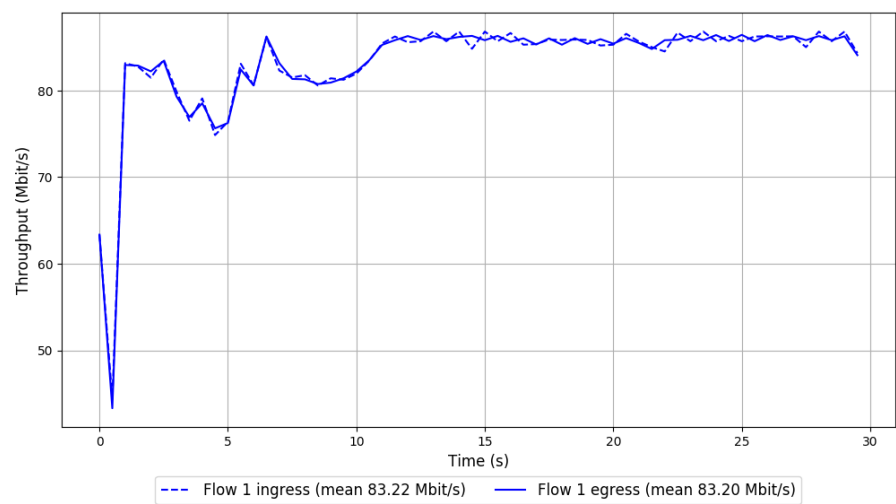
-- Flow 1:

Average throughput: 83.20 Mbit/s

95th percentile per-packet one-way delay: 8.145 ms

Loss rate: 0.03%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-12-19 21:15:53

End at: 2017-12-19 21:16:23

Local clock offset: 0.341 ms

Remote clock offset: 0.504 ms

Below is generated by plot.py at 2017-12-20 01:13:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.36 Mbit/s

95th percentile per-packet one-way delay: 9.298 ms

Loss rate: 0.02%

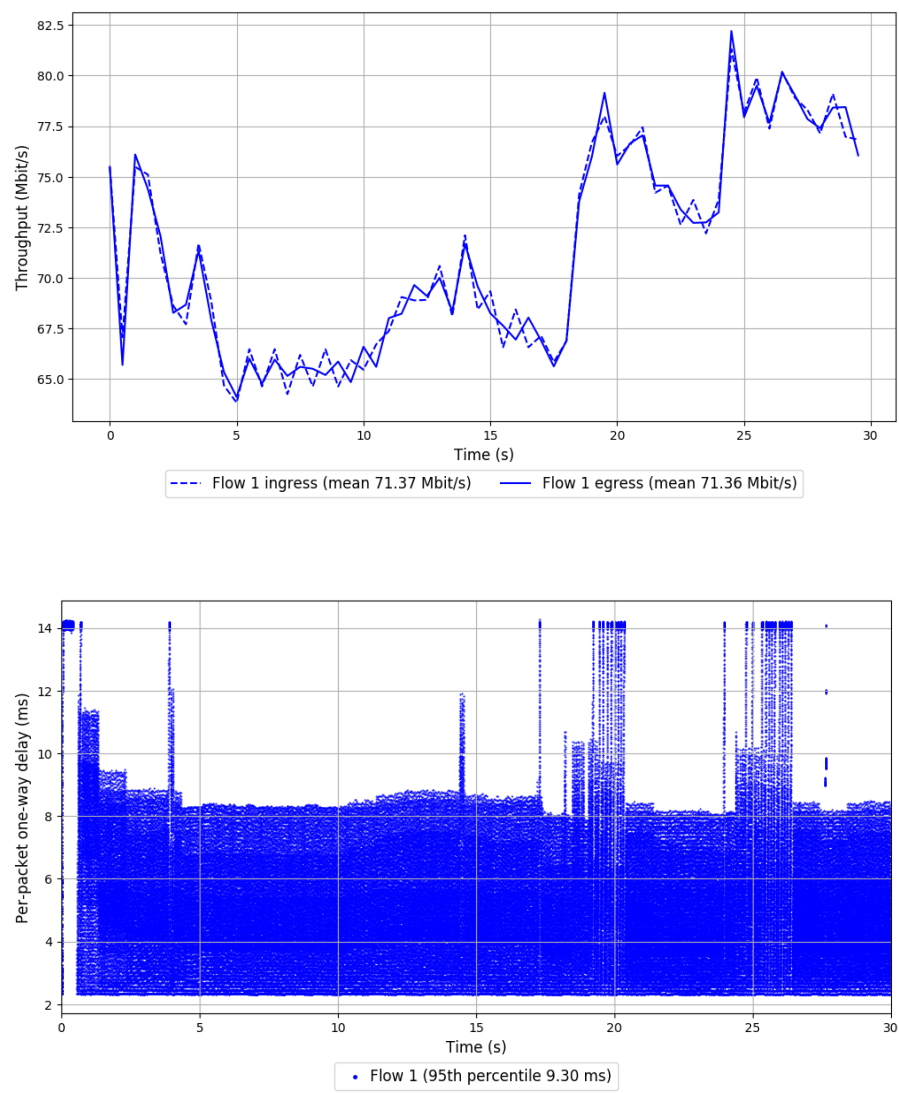
-- Flow 1:

Average throughput: 71.36 Mbit/s

95th percentile per-packet one-way delay: 9.298 ms

Loss rate: 0.02%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-12-19 21:32:48

End at: 2017-12-19 21:33:18

Local clock offset: 0.357 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2017-12-20 01:13:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 11.139 ms

Loss rate: 0.04%

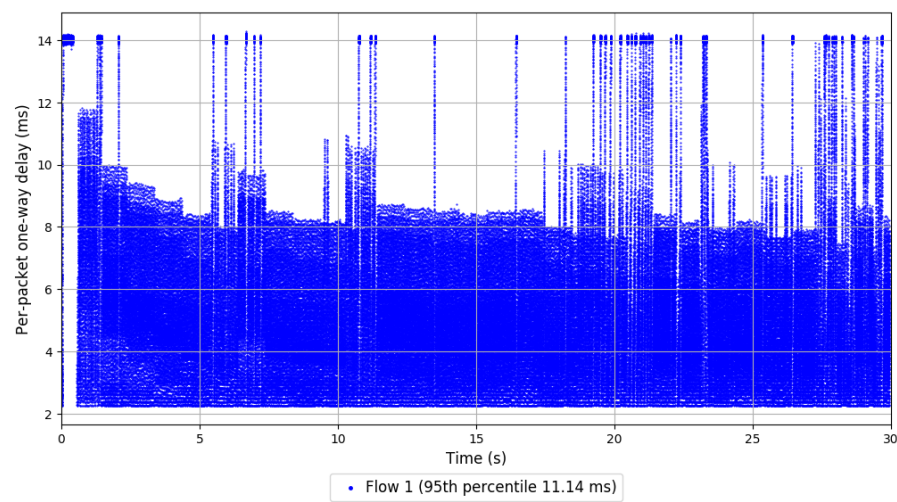
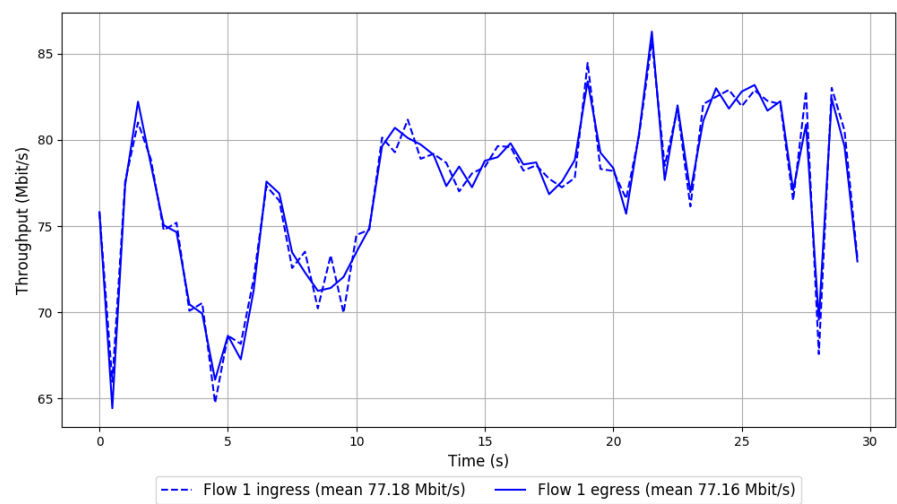
-- Flow 1:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 11.139 ms

Loss rate: 0.04%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-12-19 21:49:47

End at: 2017-12-19 21:50:17

Local clock offset: 0.191 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2017-12-20 01:13:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 13.452 ms

Loss rate: 0.06%

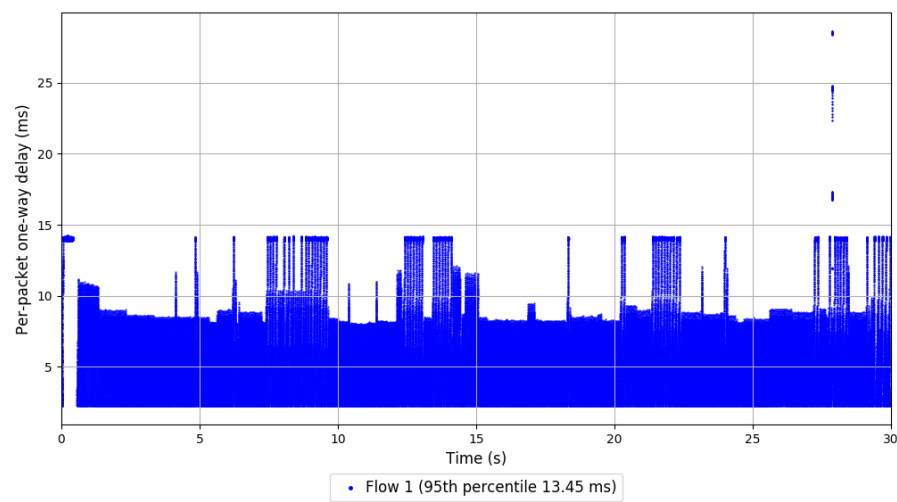
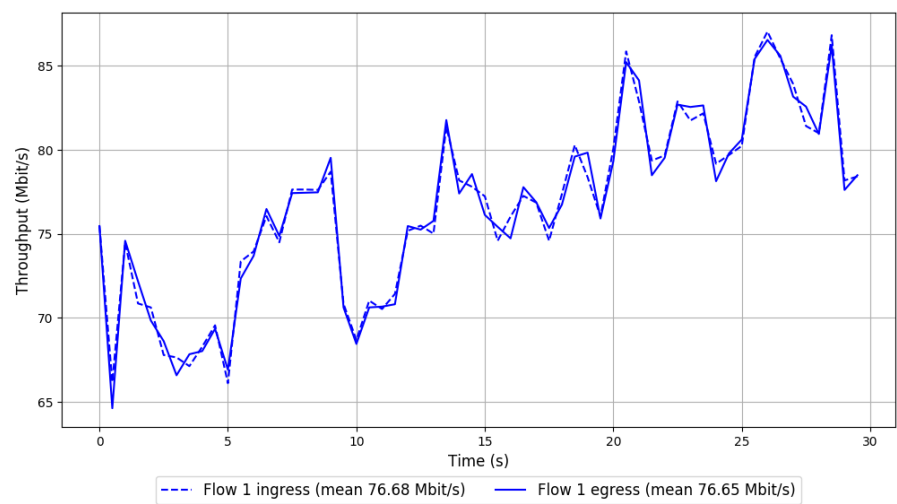
-- Flow 1:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 13.452 ms

Loss rate: 0.06%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-12-19 19:28:38

End at: 2017-12-19 19:29:08

Local clock offset: 0.756 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2017-12-20 01:14:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 3.756 ms

Loss rate: 0.01%

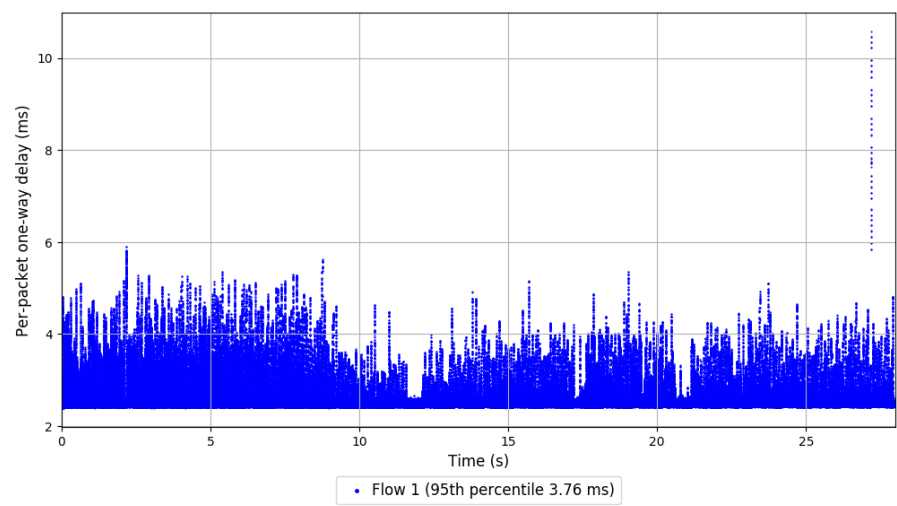
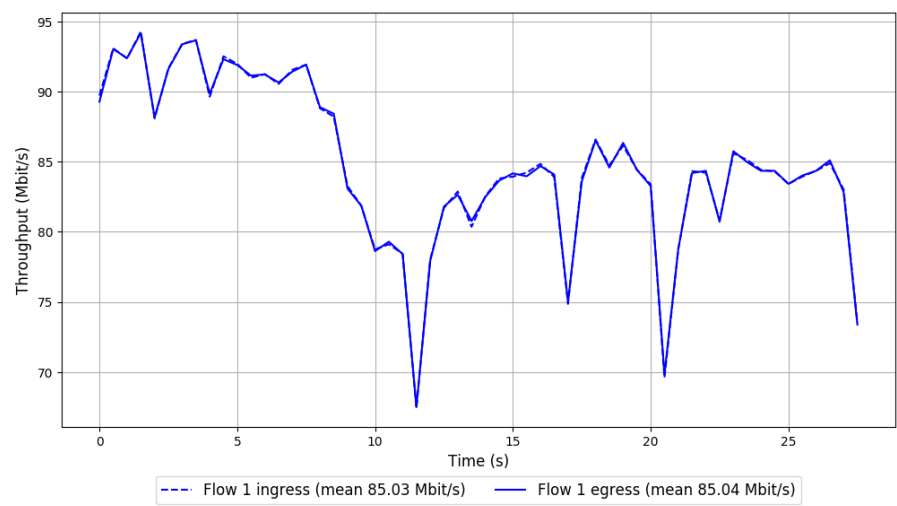
-- Flow 1:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 3.756 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-12-19 19:45:33

End at: 2017-12-19 19:46:03

Local clock offset: 0.675 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2017-12-20 01:14:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 3.470 ms

Loss rate: 0.02%

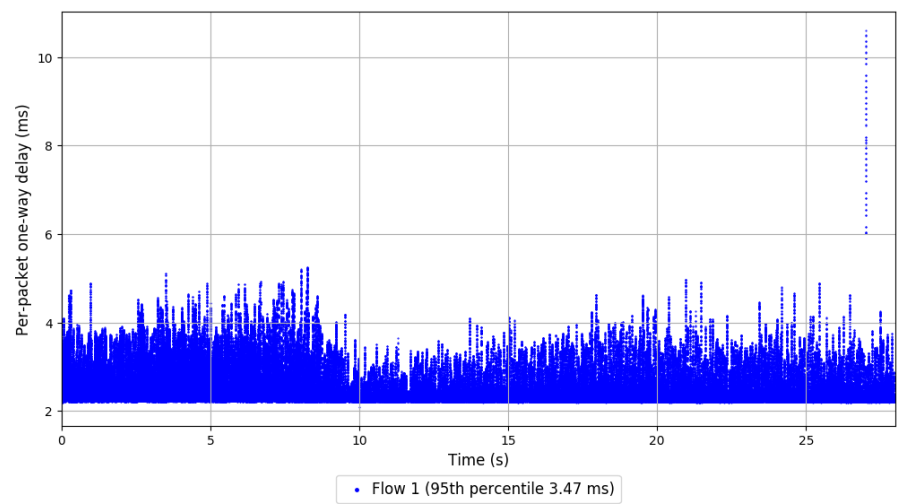
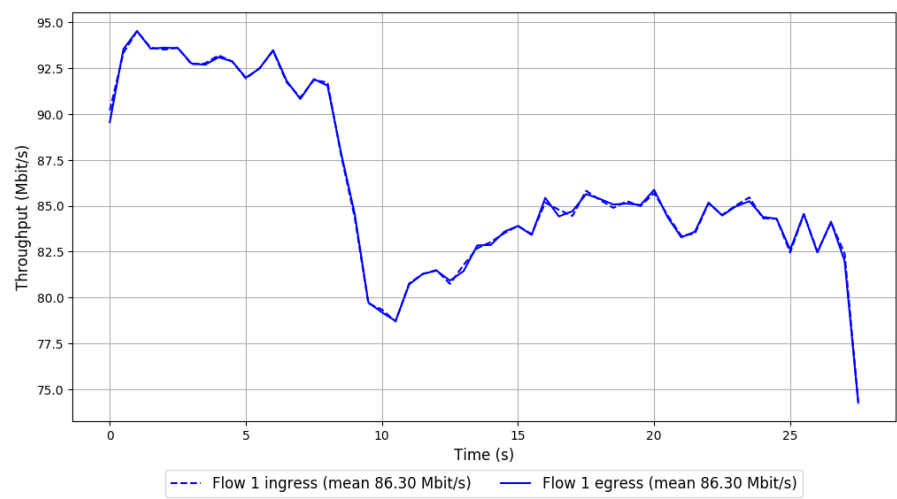
-- Flow 1:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 3.470 ms

Loss rate: 0.02%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-12-19 20:02:28

End at: 2017-12-19 20:02:58

Local clock offset: 0.775 ms

Remote clock offset: 0.425 ms

Below is generated by plot.py at 2017-12-20 01:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 3.634 ms

Loss rate: 0.01%

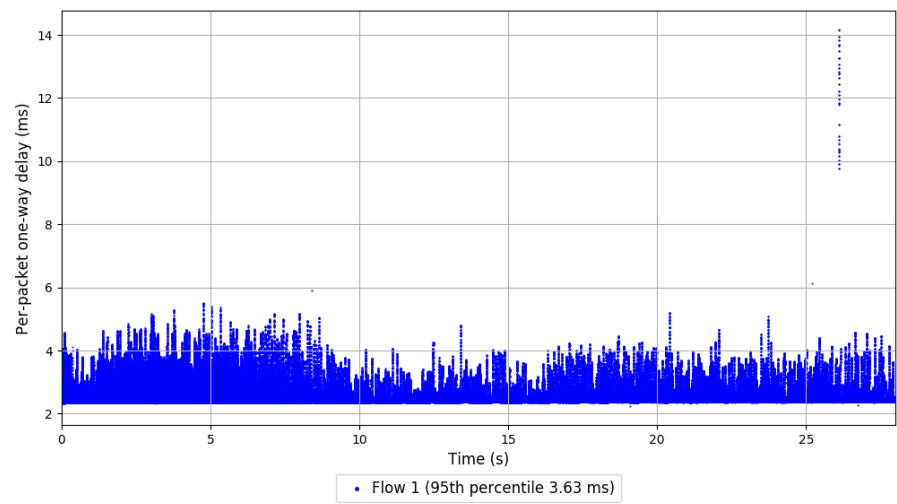
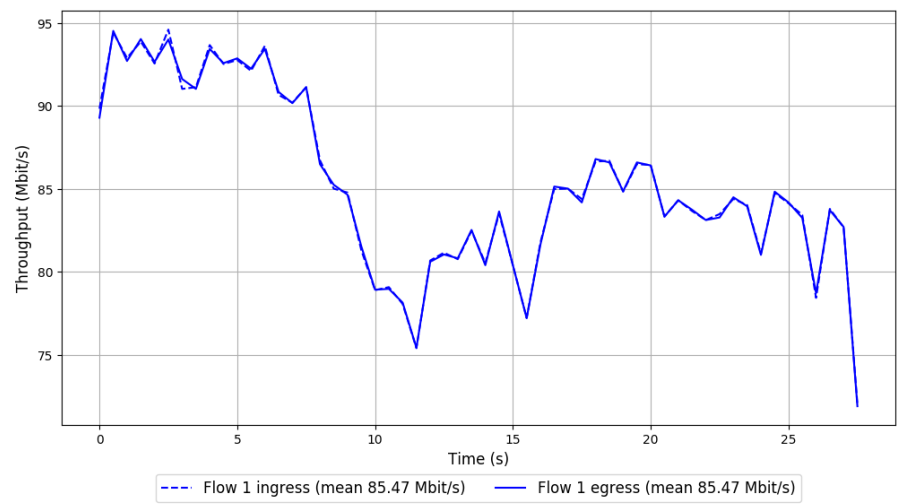
-- Flow 1:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 3.634 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-12-19 20:19:26

End at: 2017-12-19 20:19:56

Local clock offset: 0.642 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at 2017-12-20 01:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 3.636 ms

Loss rate: 0.02%

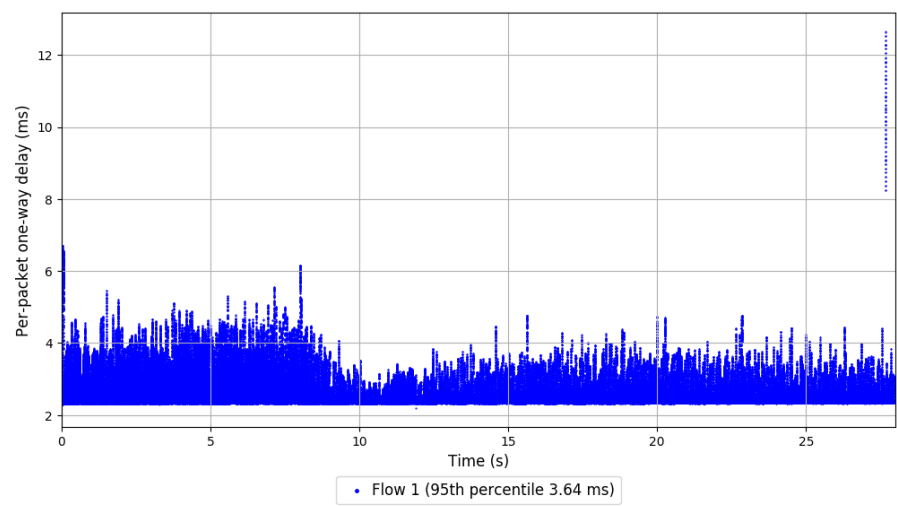
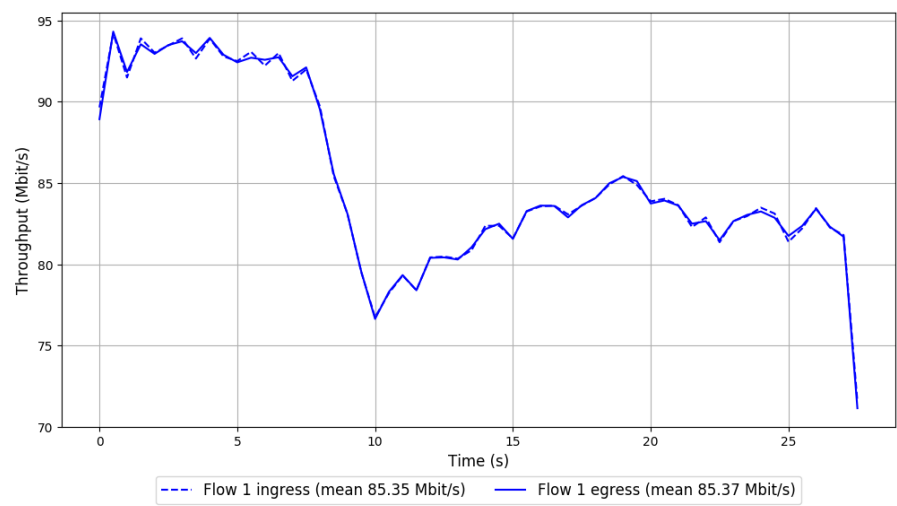
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 3.636 ms

Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-12-19 20:36:21

End at: 2017-12-19 20:36:51

Local clock offset: 0.08 ms

Remote clock offset: 0.452 ms

Below is generated by plot.py at 2017-12-20 01:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 3.761 ms

Loss rate: 0.02%

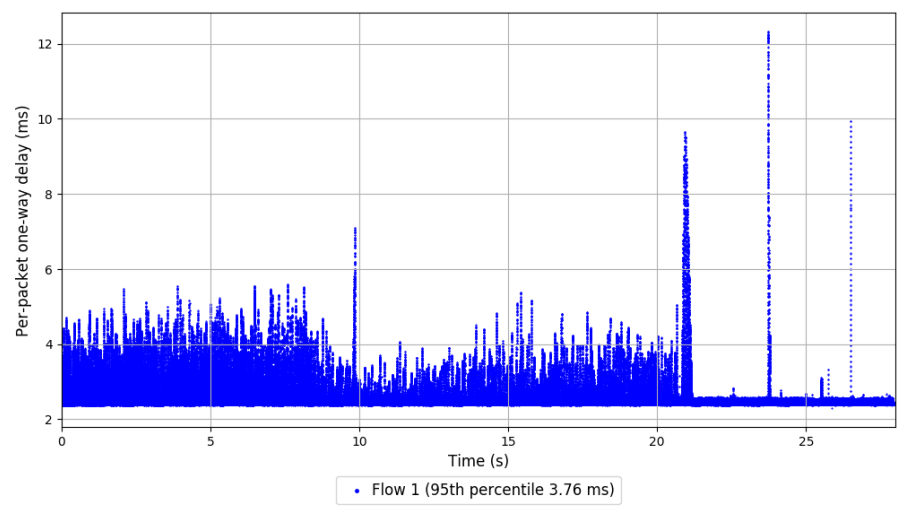
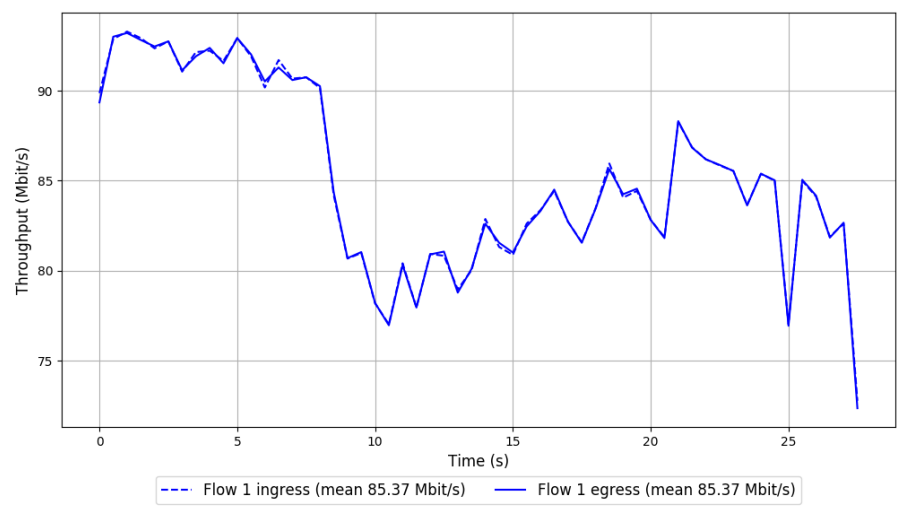
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 3.761 ms

Loss rate: 0.02%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-12-19 20:53:13

End at: 2017-12-19 20:53:43

Local clock offset: 0.156 ms

Remote clock offset: 0.493 ms

Below is generated by plot.py at 2017-12-20 01:15:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 3.532 ms

Loss rate: 0.01%

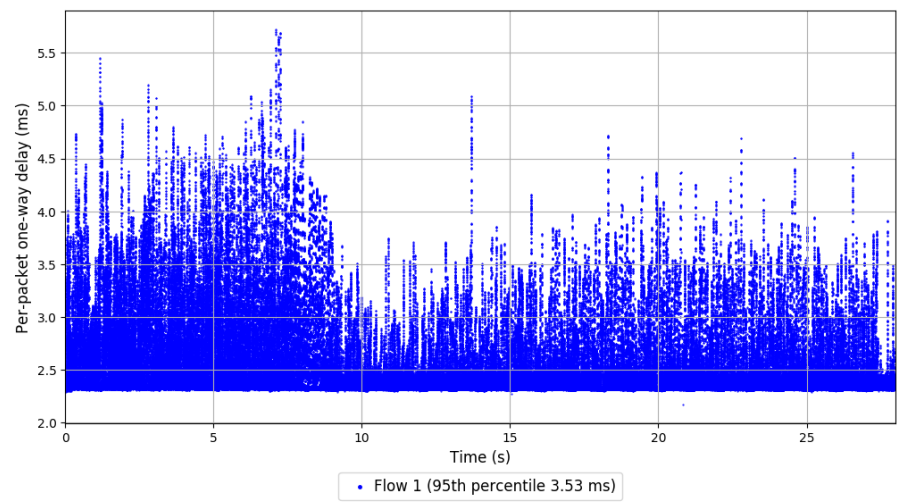
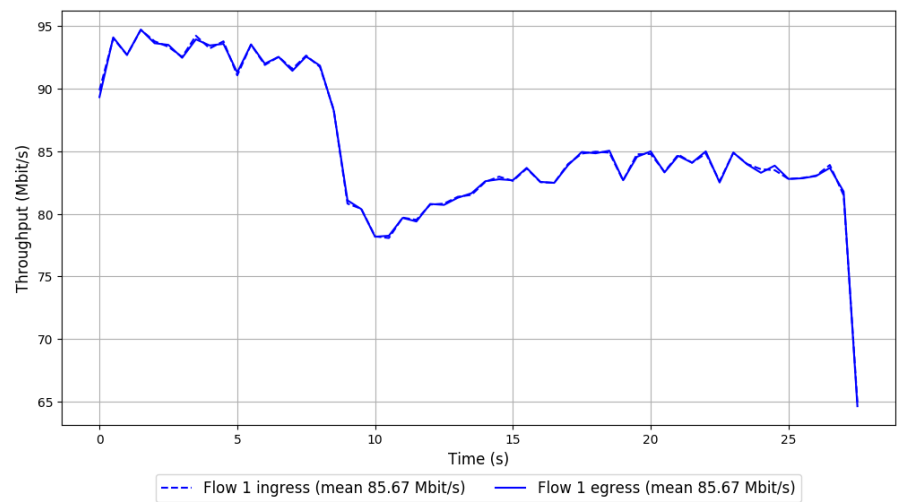
-- Flow 1:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 3.532 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-12-19 21:10:11

End at: 2017-12-19 21:10:41

Local clock offset: 0.278 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2017-12-20 01:15:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 3.667 ms

Loss rate: 0.02%

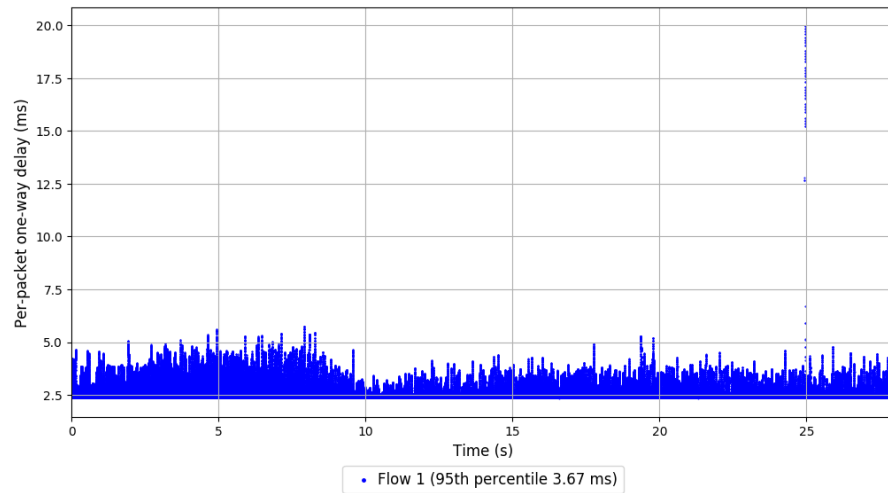
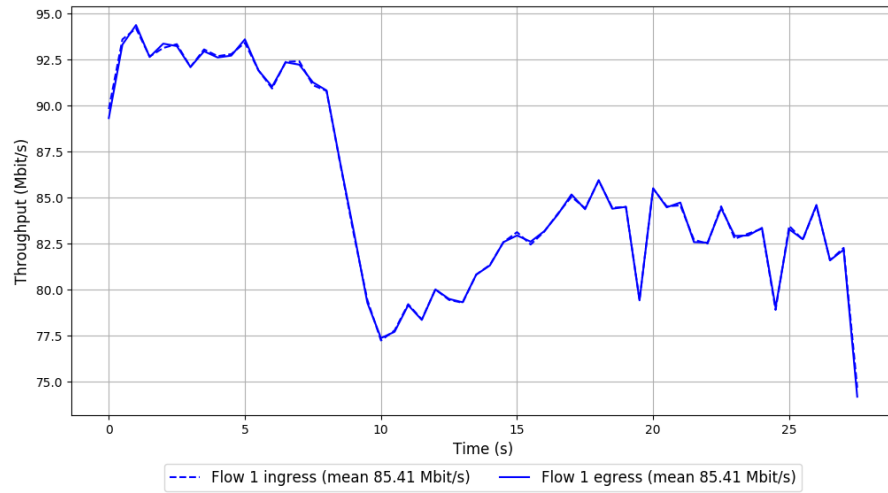
-- Flow 1:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 3.667 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-12-19 21:27:07

End at: 2017-12-19 21:27:37

Local clock offset: 0.475 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2017-12-20 01:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 3.633 ms

Loss rate: 0.01%

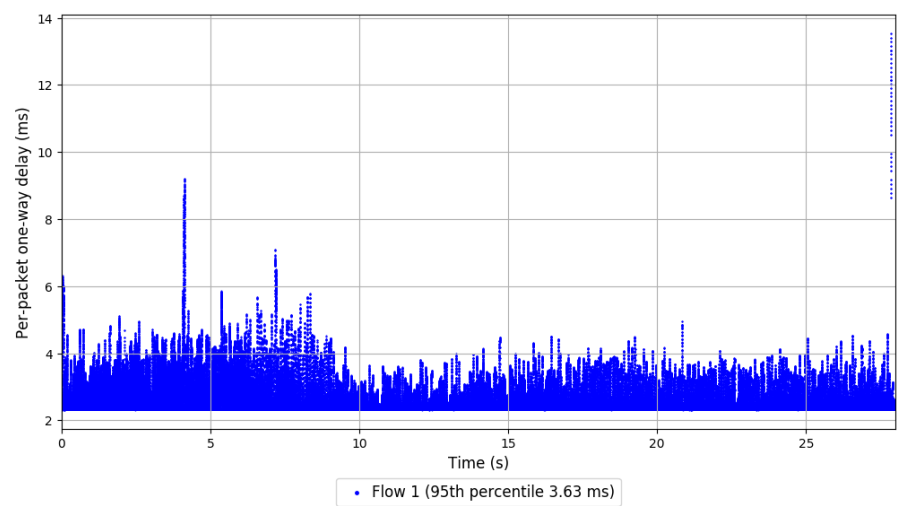
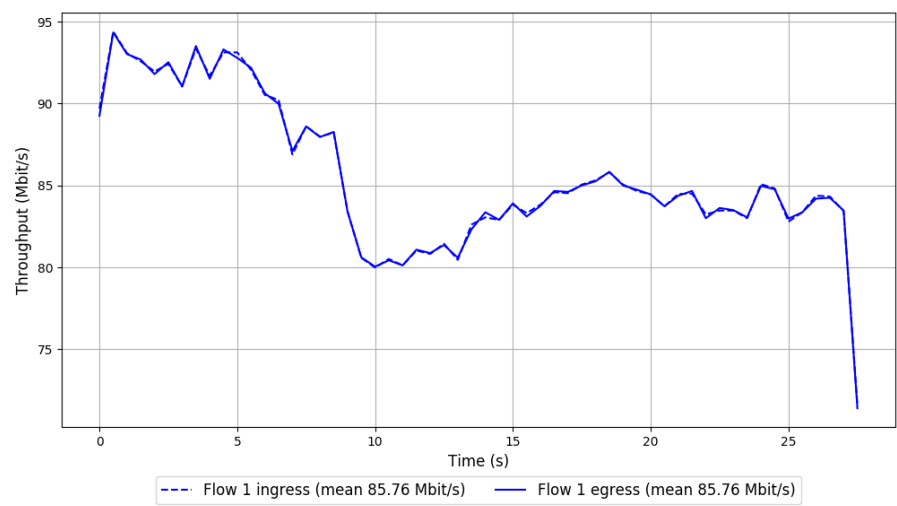
-- Flow 1:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 3.633 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-12-19 21:44:01

End at: 2017-12-19 21:44:31

Local clock offset: 0.328 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2017-12-20 01:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.73 Mbit/s

95th percentile per-packet one-way delay: 3.608 ms

Loss rate: 0.02%

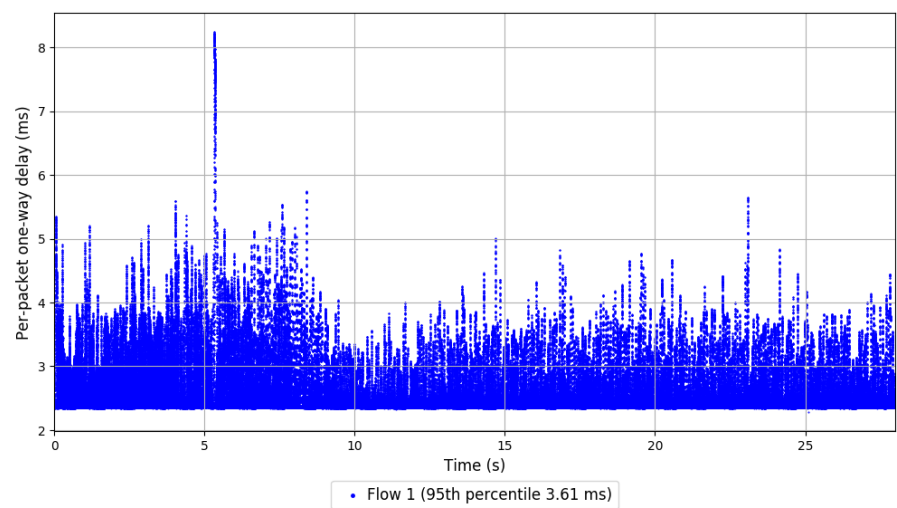
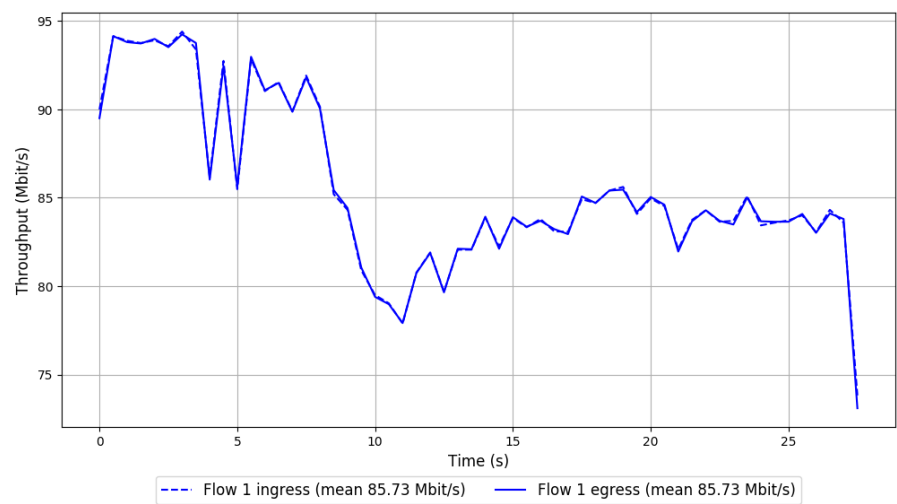
-- Flow 1:

Average throughput: 85.73 Mbit/s

95th percentile per-packet one-way delay: 3.608 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-12-19 22:01:01

End at: 2017-12-19 22:01:31

Local clock offset: 0.234 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2017-12-20 01:16:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.53 Mbit/s

95th percentile per-packet one-way delay: 3.671 ms

Loss rate: 0.02%

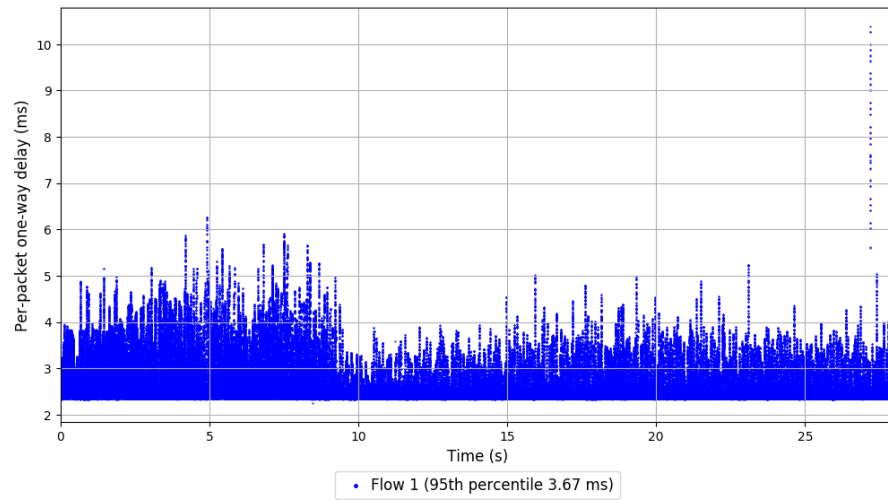
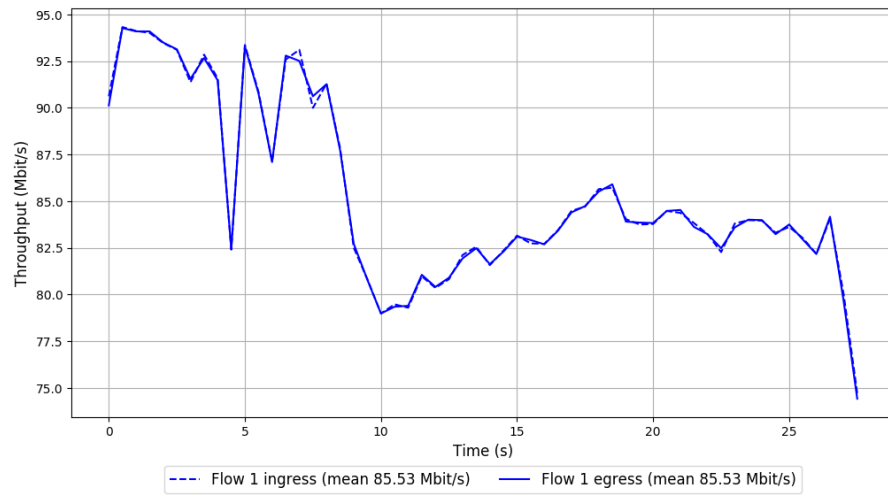
-- Flow 1:

Average throughput: 85.53 Mbit/s

95th percentile per-packet one-way delay: 3.671 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

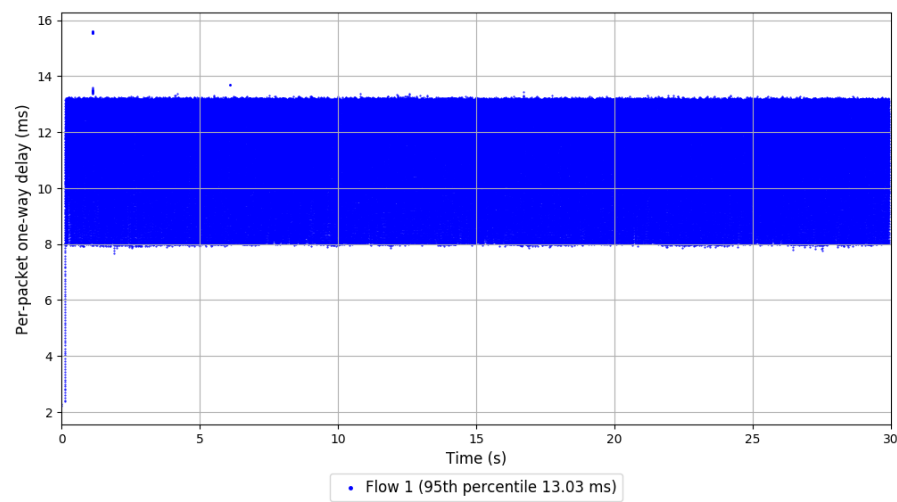
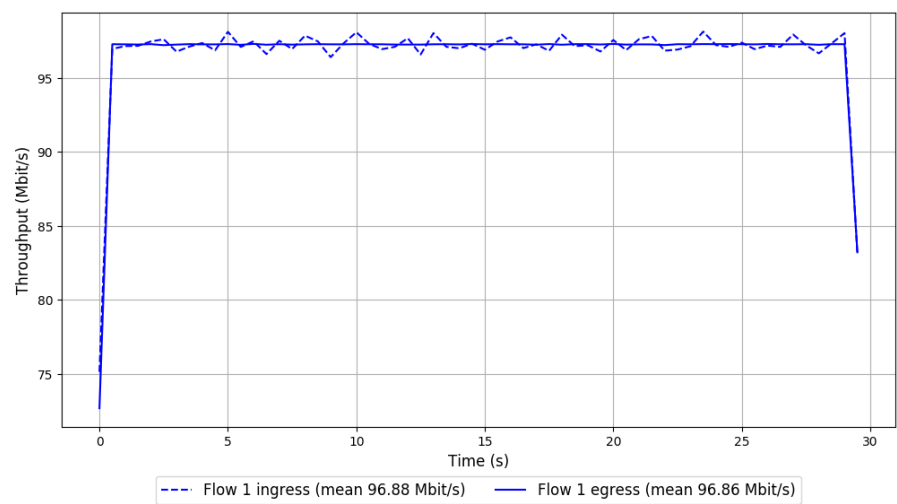


```
Run 1: Statistics of FillP

Start at: 2017-12-19 19:20:44
End at: 2017-12-19 19:21:14
Local clock offset: 0.641 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2017-12-20 01:16:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 13.027 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 13.027 ms
Loss rate: 0.04%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2017-12-19 19:37:42

End at: 2017-12-19 19:38:12

Local clock offset: 0.647 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2017-12-20 01:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.042 ms

Loss rate: 0.04%

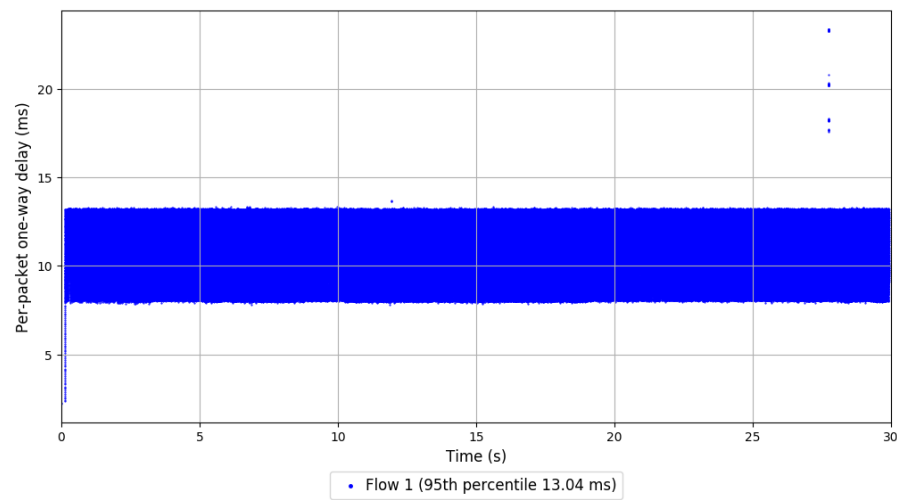
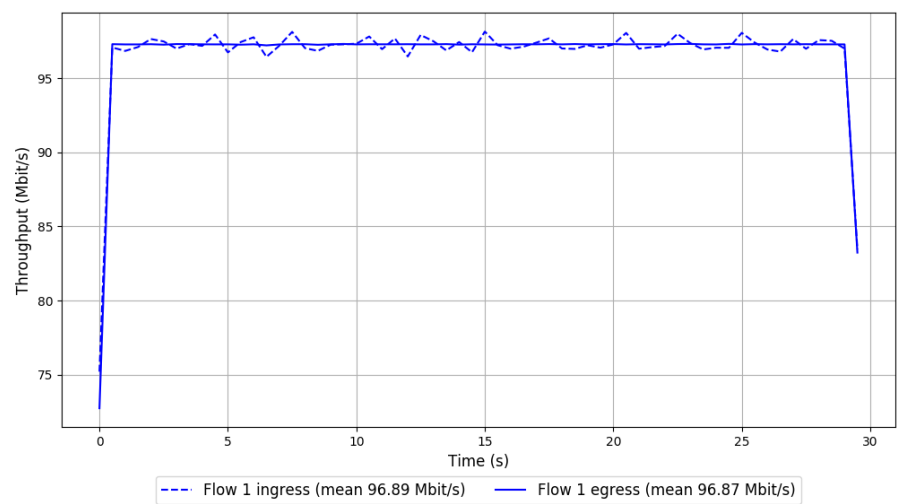
-- Flow 1:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.042 ms

Loss rate: 0.04%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2017-12-19 19:54:37

End at: 2017-12-19 19:55:07

Local clock offset: 0.718 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2017-12-20 01:16:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 13.120 ms

Loss rate: 0.05%

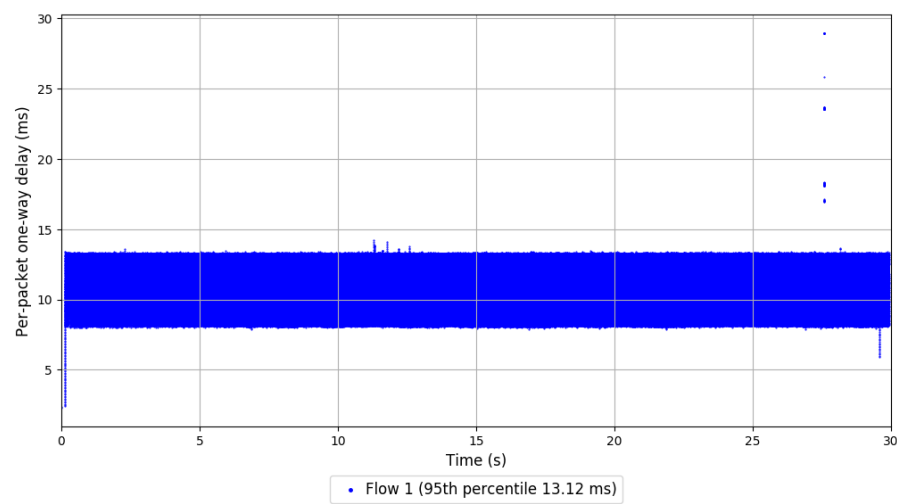
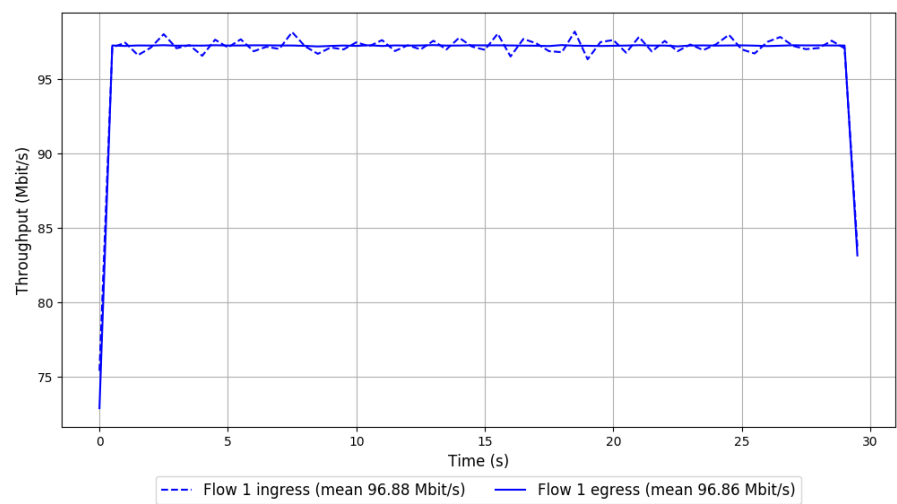
-- Flow 1:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 13.120 ms

Loss rate: 0.05%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2017-12-19 20:11:32

End at: 2017-12-19 20:12:02

Local clock offset: 0.487 ms

Remote clock offset: 0.374 ms

Below is generated by plot.py at 2017-12-20 01:16:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.084 ms

Loss rate: 0.05%

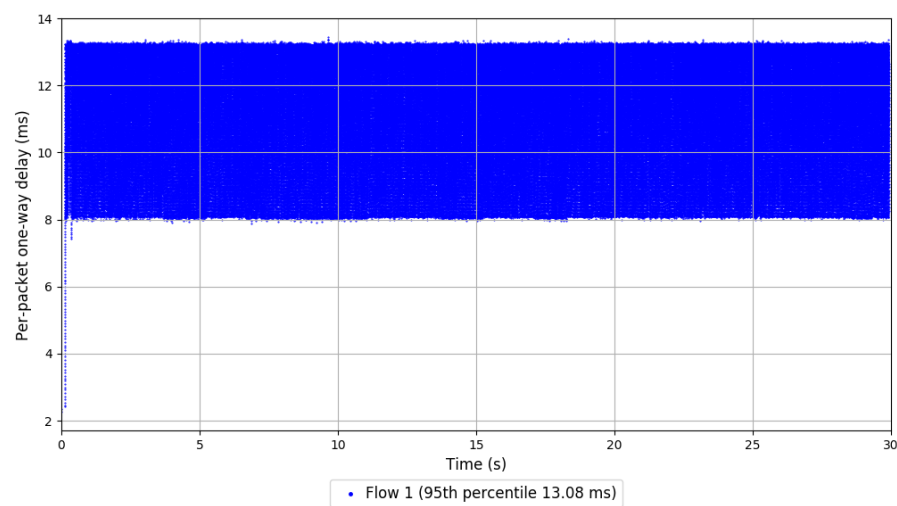
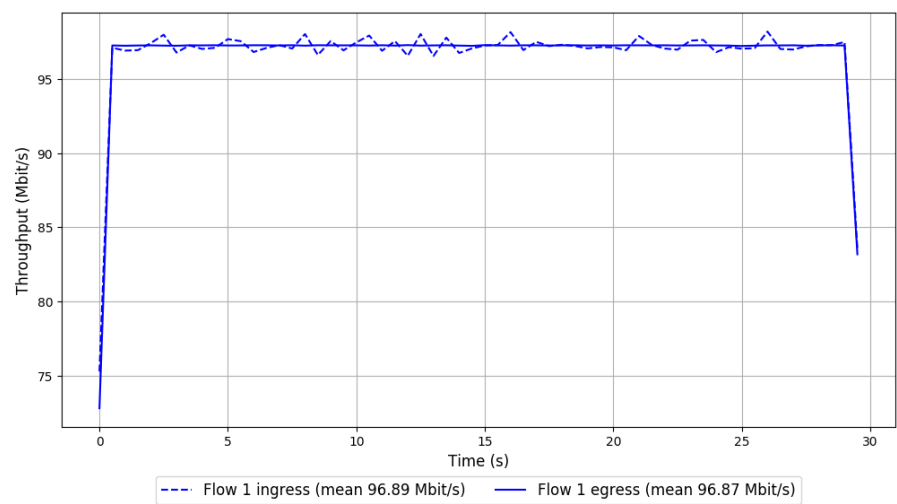
-- Flow 1:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.084 ms

Loss rate: 0.05%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2017-12-19 20:28:31

End at: 2017-12-19 20:29:01

Local clock offset: 0.366 ms

Remote clock offset: 0.446 ms

Below is generated by plot.py at 2017-12-20 01:16:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 13.124 ms

Loss rate: 0.04%

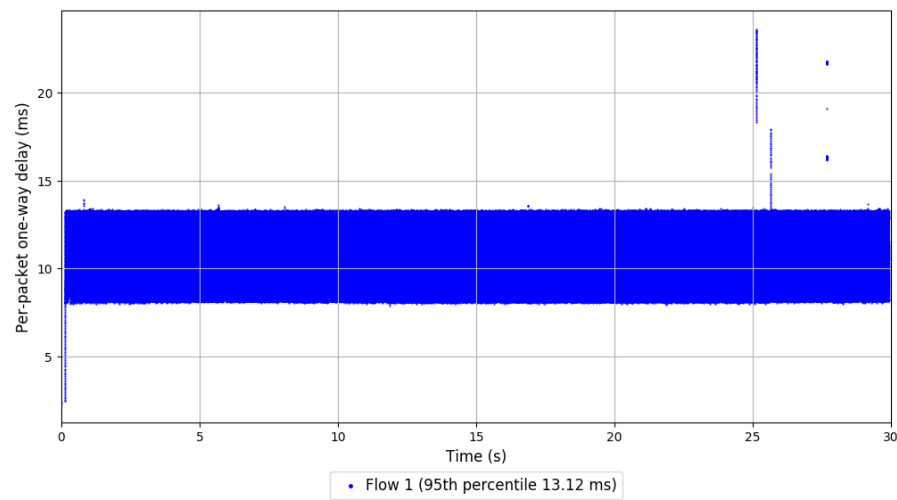
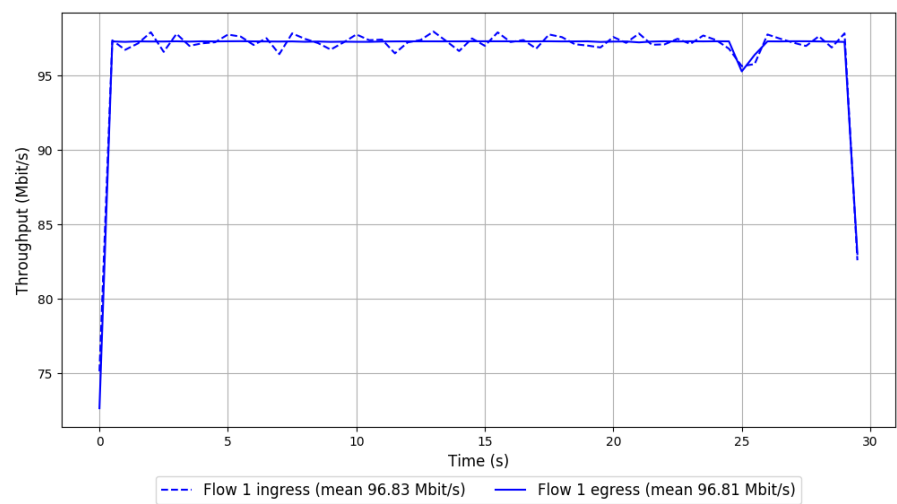
-- Flow 1:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 13.124 ms

Loss rate: 0.04%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2017-12-19 20:45:25

End at: 2017-12-19 20:45:55

Local clock offset: 0.081 ms

Remote clock offset: 0.493 ms

Below is generated by plot.py at 2017-12-20 01:17:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.009 ms

Loss rate: 0.04%

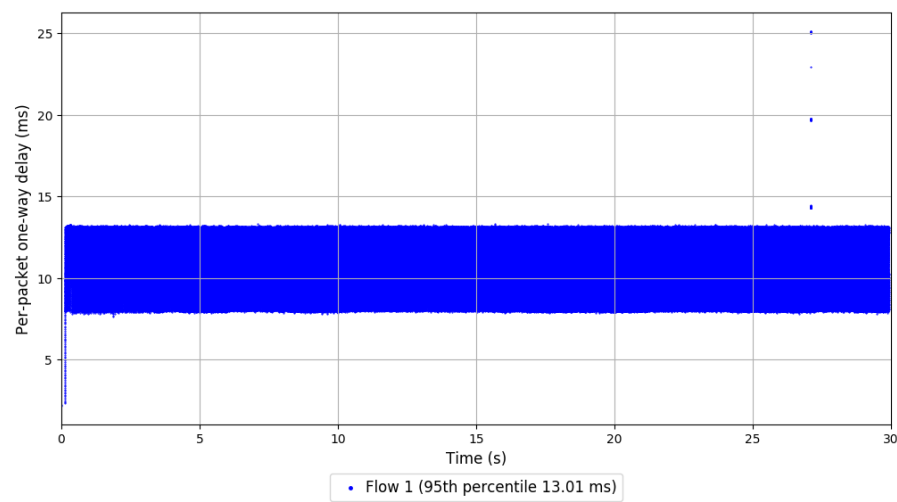
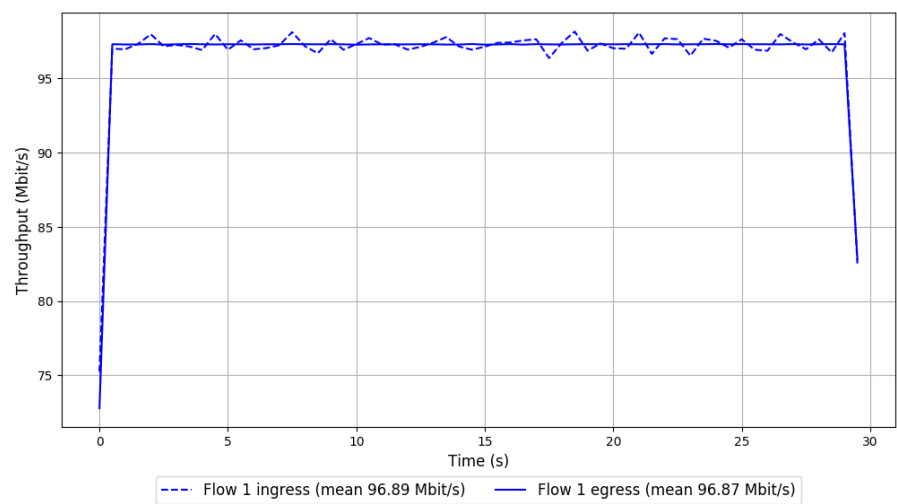
-- Flow 1:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 13.009 ms

Loss rate: 0.04%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2017-12-19 21:02:19

End at: 2017-12-19 21:02:49

Local clock offset: 0.158 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2017-12-20 01:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 12.981 ms

Loss rate: 0.04%

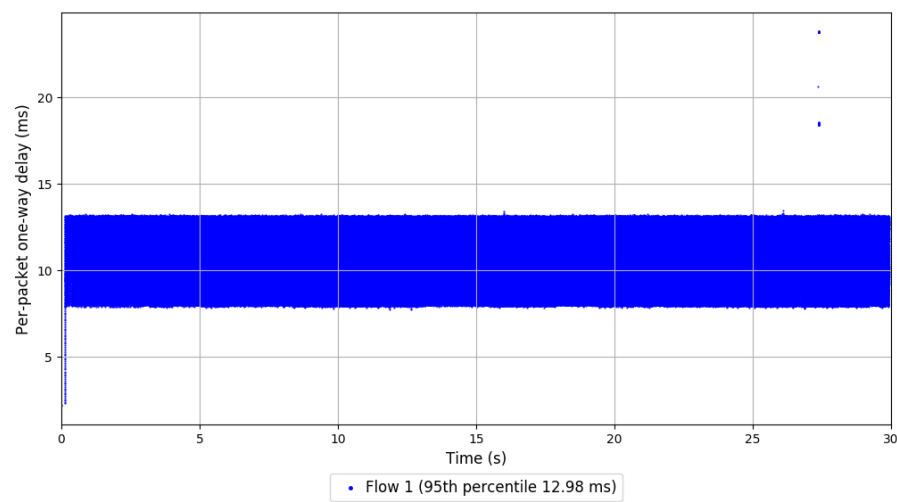
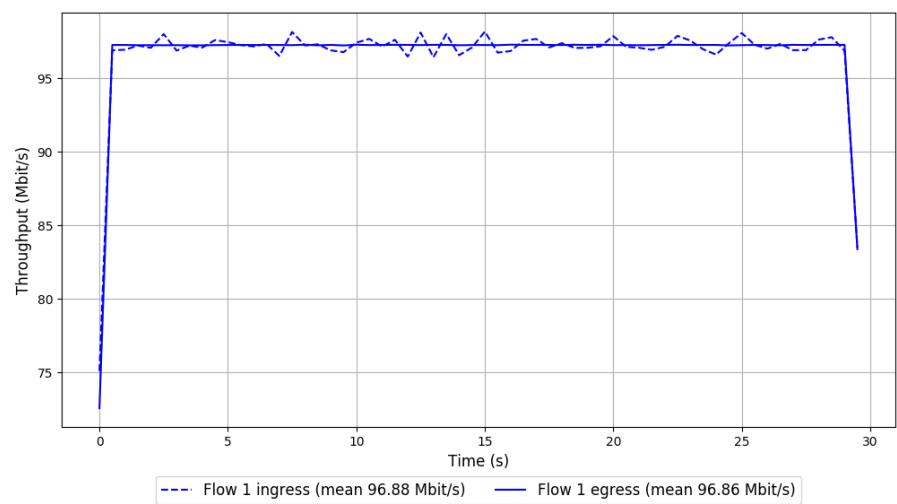
-- Flow 1:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 12.981 ms

Loss rate: 0.04%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2017-12-19 21:19:16

End at: 2017-12-19 21:19:46

Local clock offset: 0.381 ms

Remote clock offset: 0.502 ms

Below is generated by plot.py at 2017-12-20 01:18:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 13.048 ms

Loss rate: 0.05%

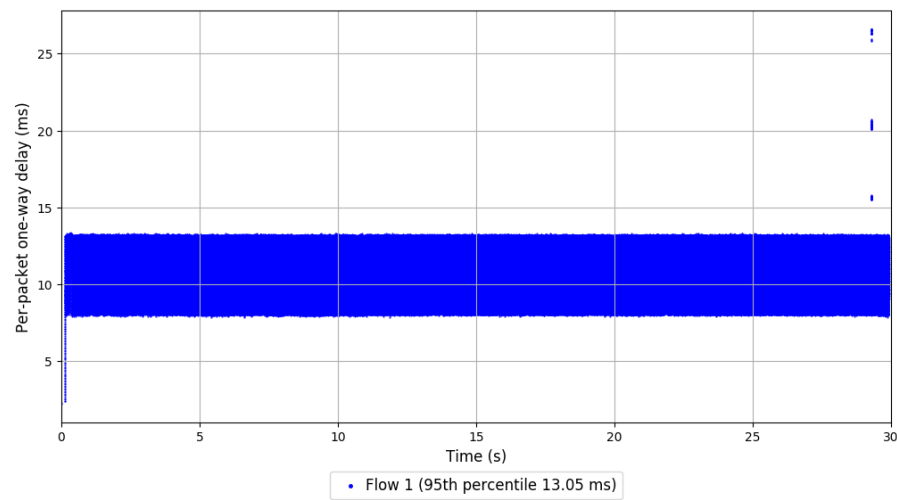
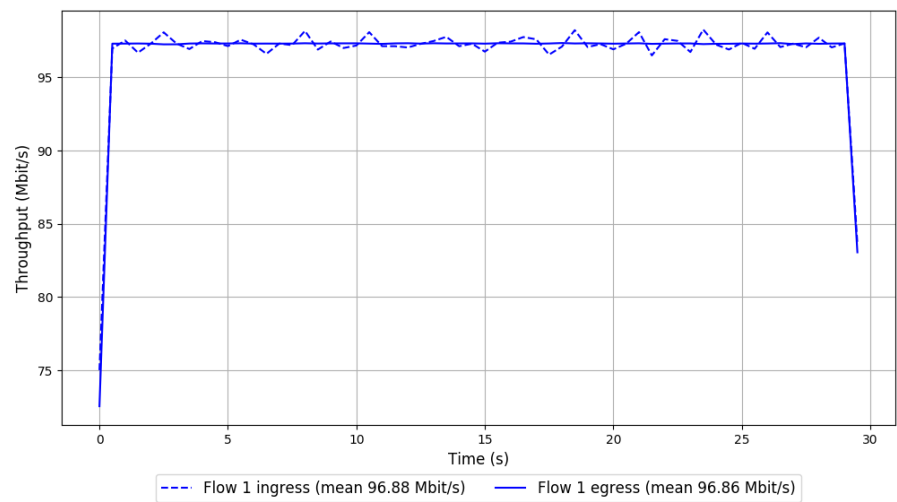
-- Flow 1:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 13.048 ms

Loss rate: 0.05%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2017-12-19 21:36:11

End at: 2017-12-19 21:36:41

Local clock offset: 0.306 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2017-12-20 01:18:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 12.967 ms

Loss rate: 0.04%

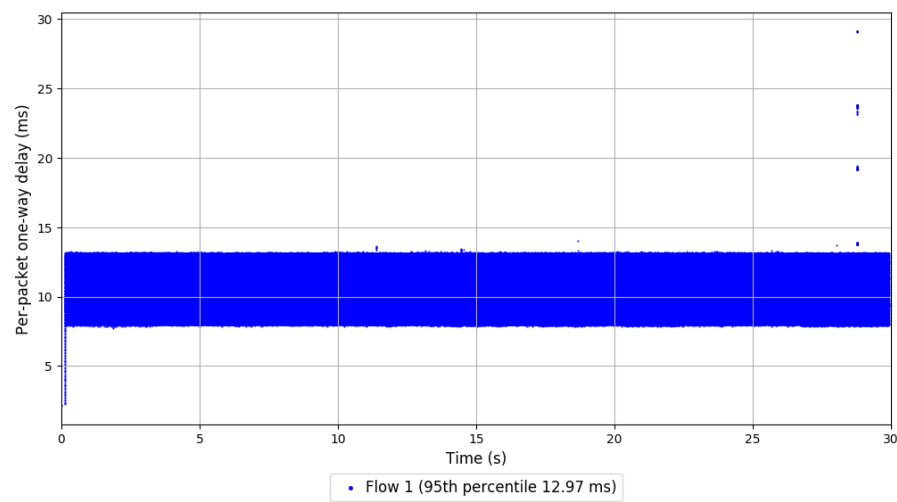
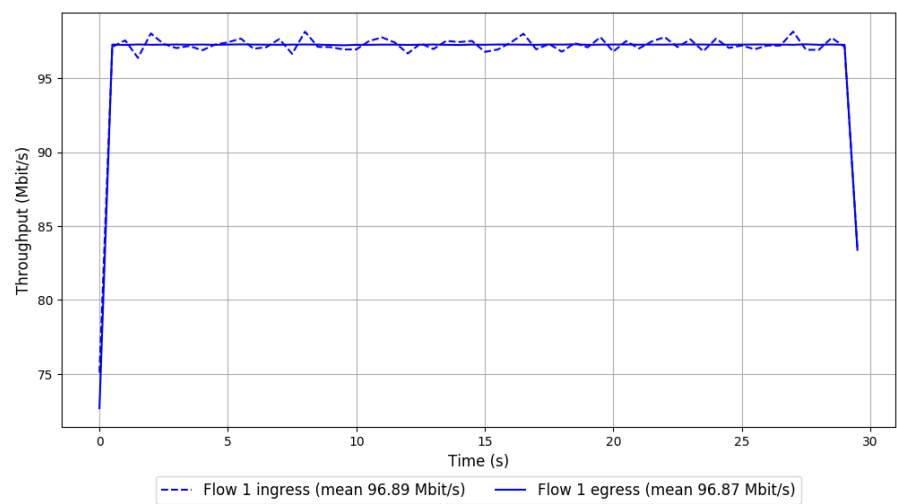
-- Flow 1:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 12.967 ms

Loss rate: 0.04%

Run 9: Report of FillP — Data Link

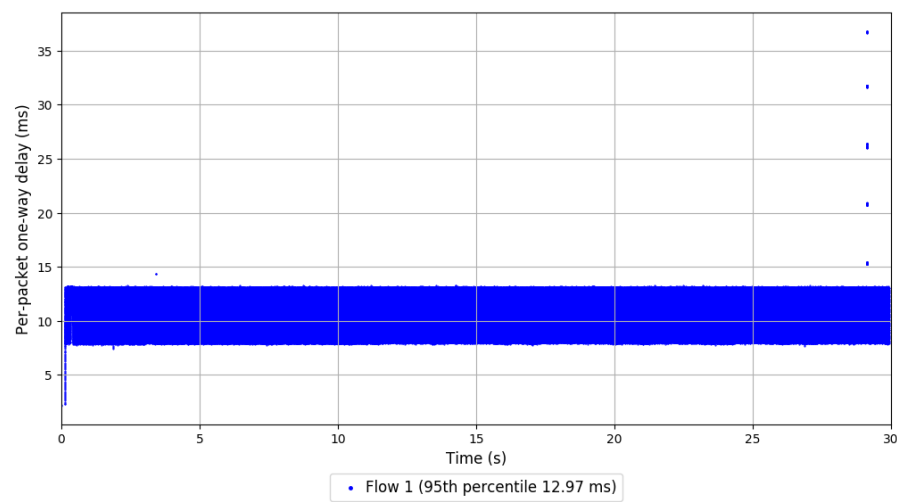
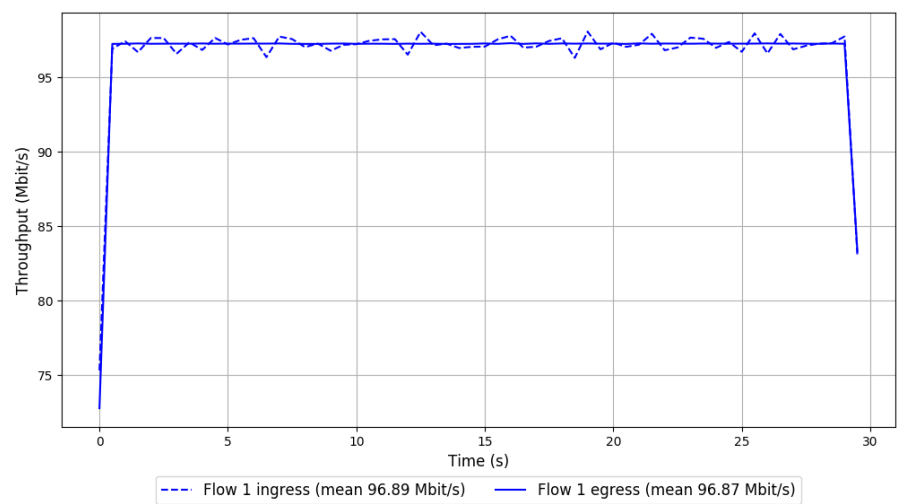


```
Run 10: Statistics of FillP

Start at: 2017-12-19 21:53:10
End at: 2017-12-19 21:53:40
Local clock offset: 0.173 ms
Remote clock offset: 0.392 ms

# Below is generated by plot.py at 2017-12-20 01:18:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 12.974 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 12.974 ms
Loss rate: 0.04%
```

Run 10: Report of FillP — Data Link

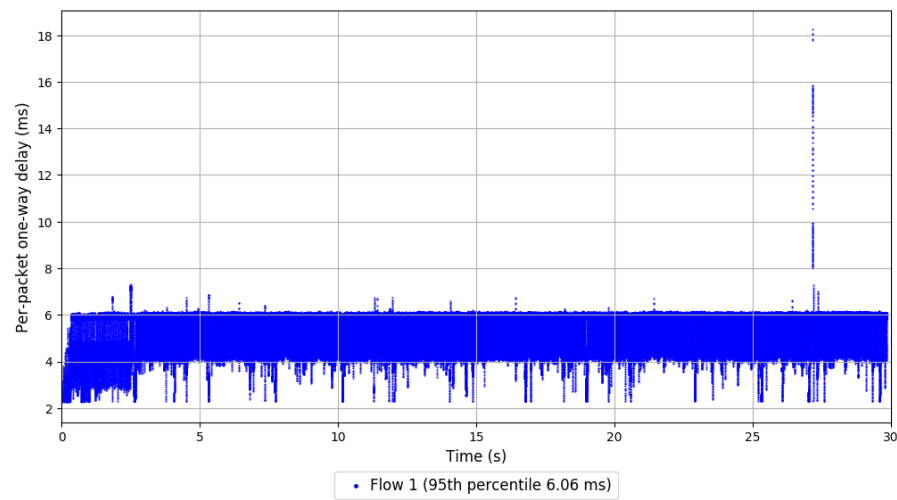
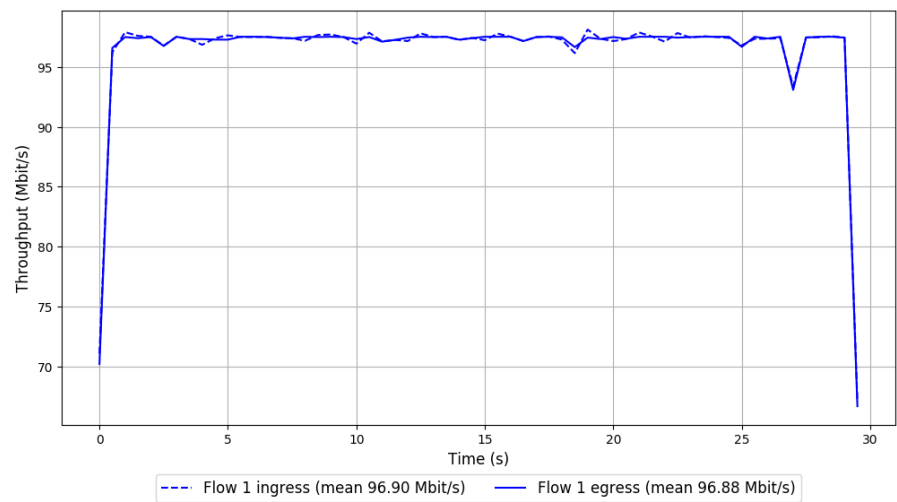


```
Run 1: Statistics of Indigo

Start at: 2017-12-19 19:27:28
End at: 2017-12-19 19:27:58
Local clock offset: 0.723 ms
Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2017-12-20 01:18:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 6.059 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 6.059 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-12-19 19:44:23

End at: 2017-12-19 19:44:53

Local clock offset: 0.724 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2017-12-20 01:18:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 8.288 ms

Loss rate: 0.03%

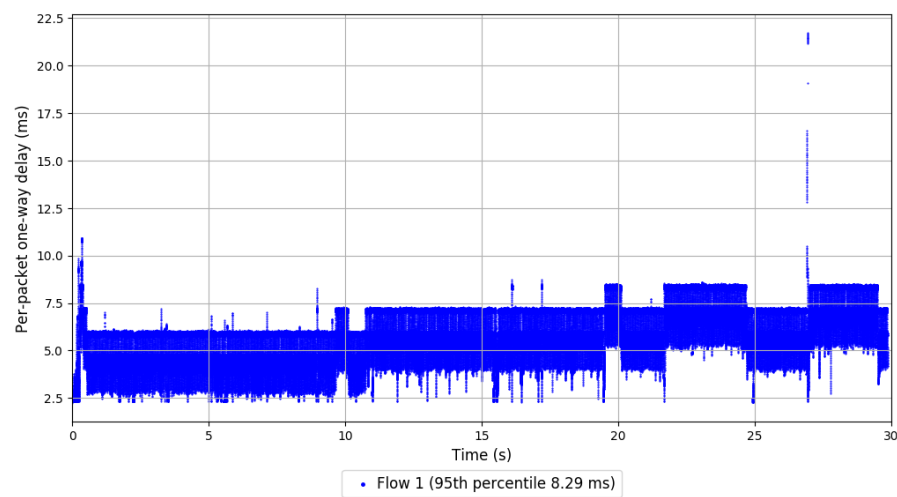
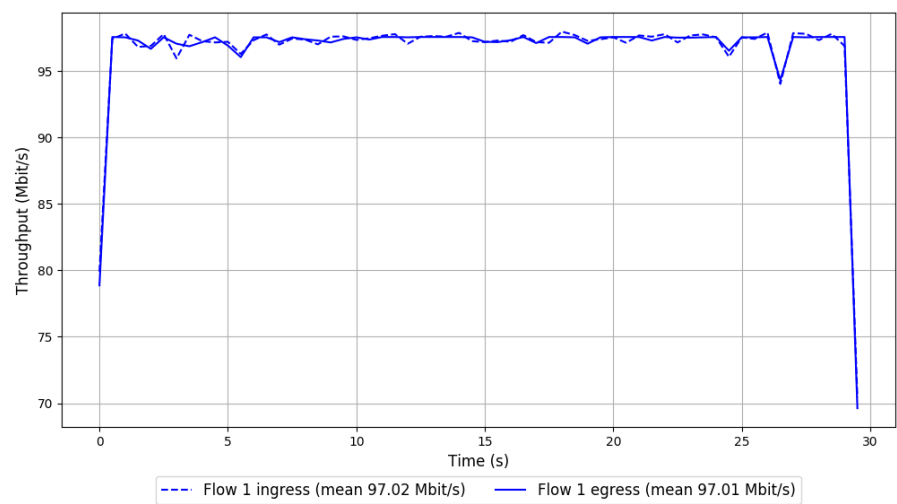
-- Flow 1:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 8.288 ms

Loss rate: 0.03%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-12-19 20:01:18

End at: 2017-12-19 20:01:48

Local clock offset: 0.775 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2017-12-20 01:18:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 8.297 ms

Loss rate: 0.03%

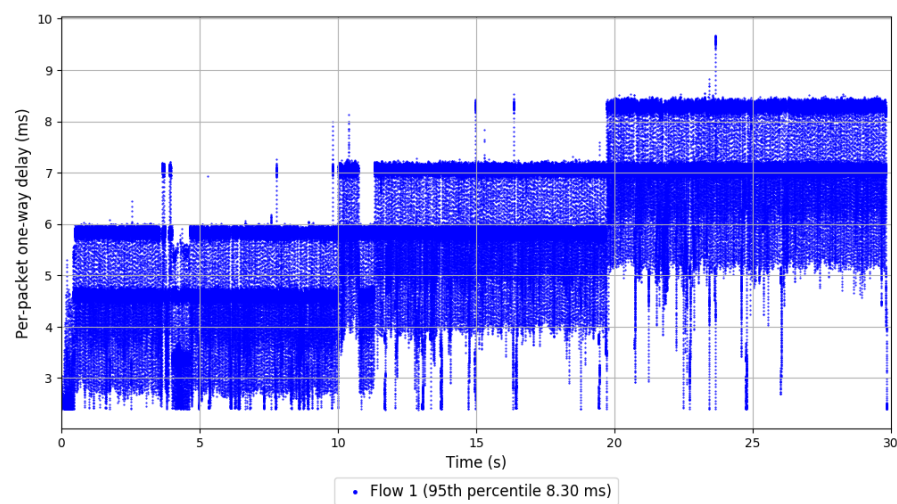
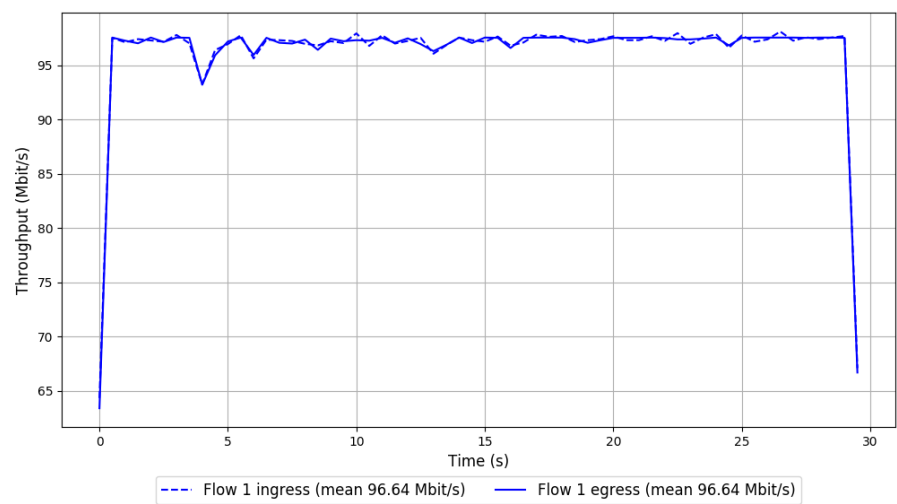
-- Flow 1:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 8.297 ms

Loss rate: 0.03%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-12-19 20:18:16

End at: 2017-12-19 20:18:46

Local clock offset: 0.614 ms

Remote clock offset: 0.486 ms

Below is generated by plot.py at 2017-12-20 01:18:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 7.977 ms

Loss rate: 0.03%

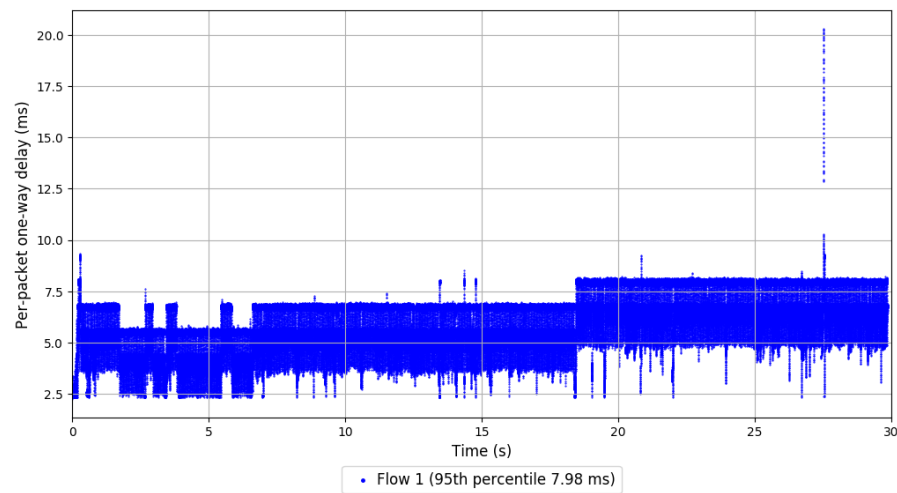
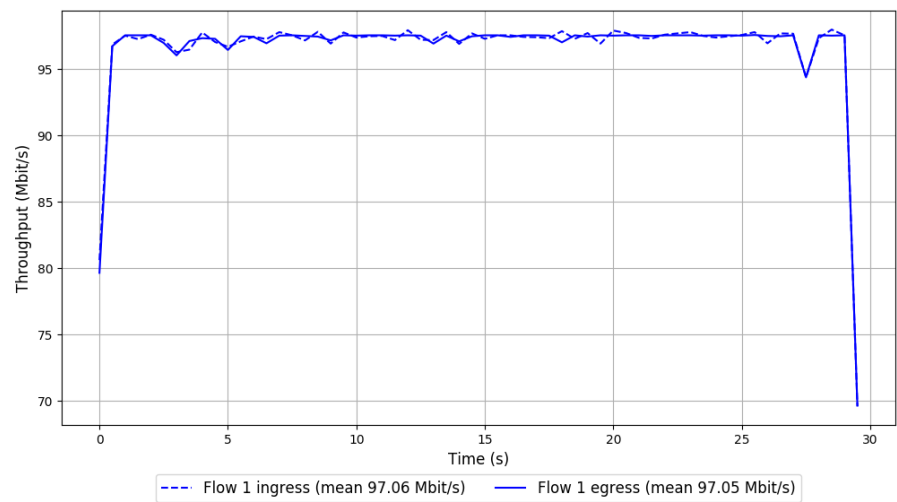
-- Flow 1:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 7.977 ms

Loss rate: 0.03%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-12-19 20:35:11

End at: 2017-12-19 20:35:41

Local clock offset: 0.14 ms

Remote clock offset: 0.511 ms

Below is generated by plot.py at 2017-12-20 01:19:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: 8.288 ms

Loss rate: 0.03%

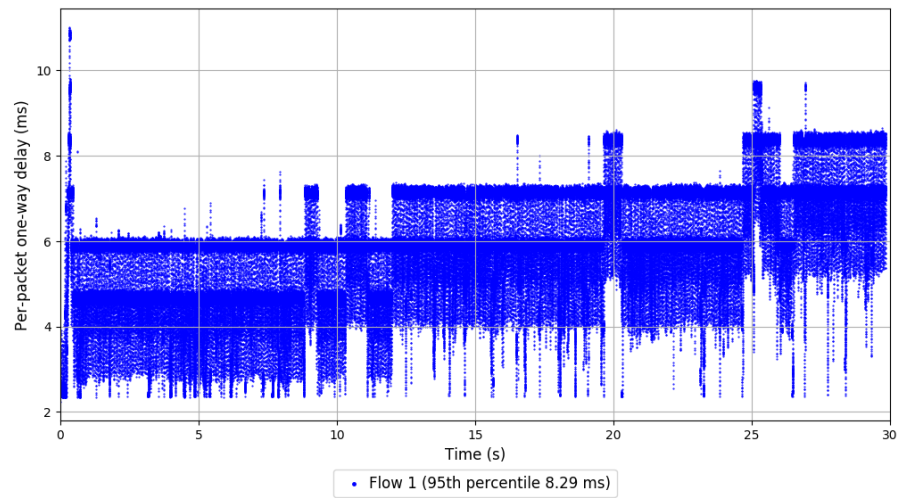
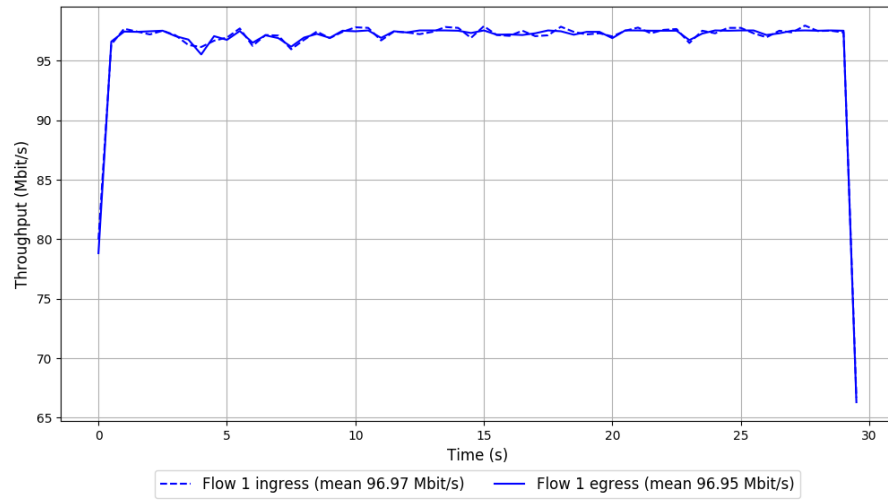
-- Flow 1:

Average throughput: 96.95 Mbit/s

95th percentile per-packet one-way delay: 8.288 ms

Loss rate: 0.03%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-12-19 20:52:03

End at: 2017-12-19 20:52:33

Local clock offset: 0.164 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2017-12-20 01:19:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 8.419 ms

Loss rate: 0.03%

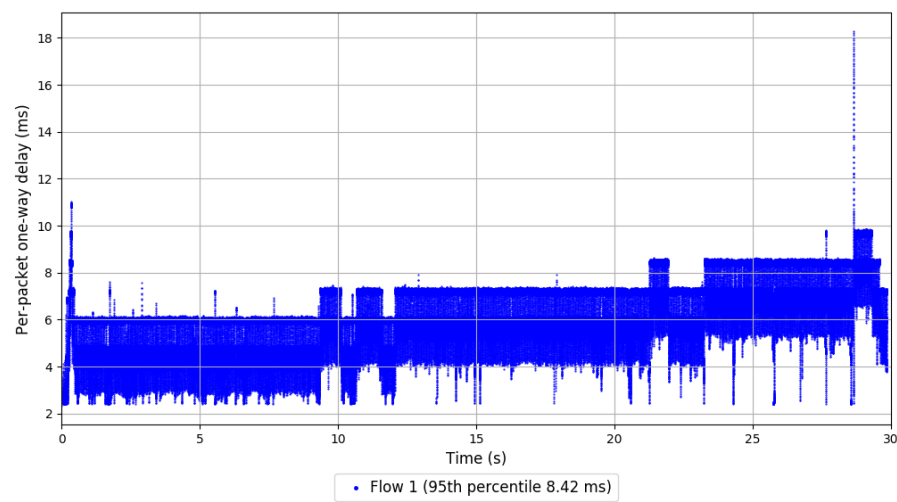
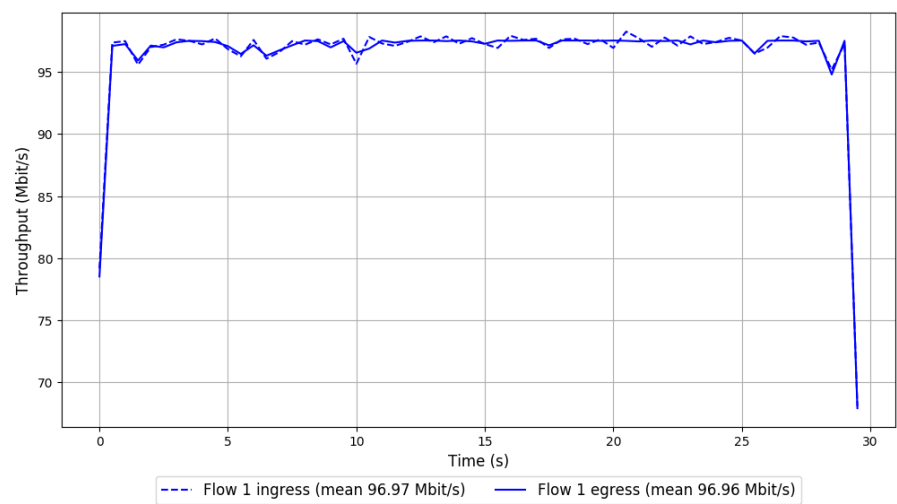
-- Flow 1:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 8.419 ms

Loss rate: 0.03%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-12-19 21:09:01

End at: 2017-12-19 21:09:31

Local clock offset: 0.267 ms

Remote clock offset: 0.498 ms

Below is generated by plot.py at 2017-12-20 01:19:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 8.217 ms

Loss rate: 0.04%

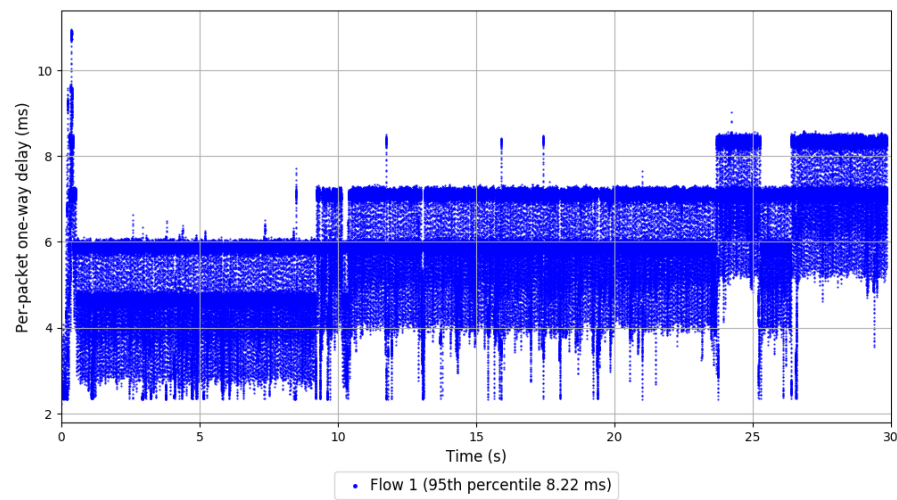
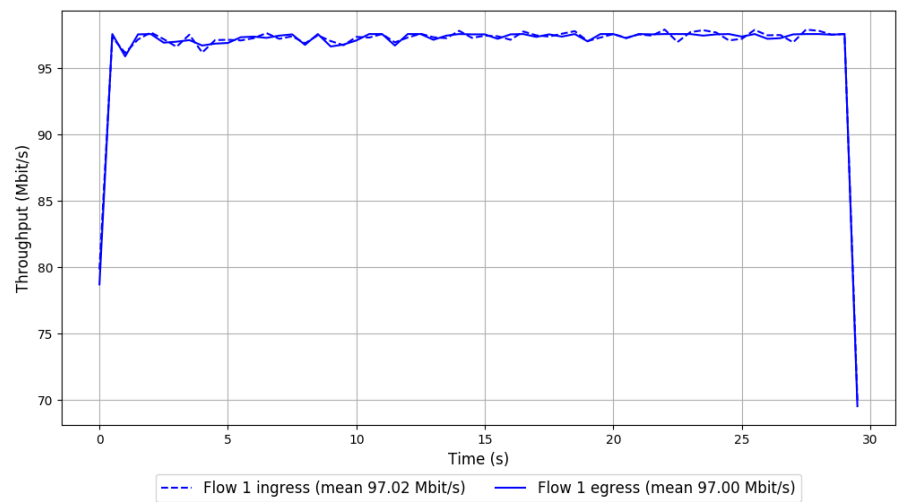
-- Flow 1:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 8.217 ms

Loss rate: 0.04%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-12-19 21:25:57

End at: 2017-12-19 21:26:27

Local clock offset: 0.456 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2017-12-20 01:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 7.988 ms

Loss rate: 0.03%

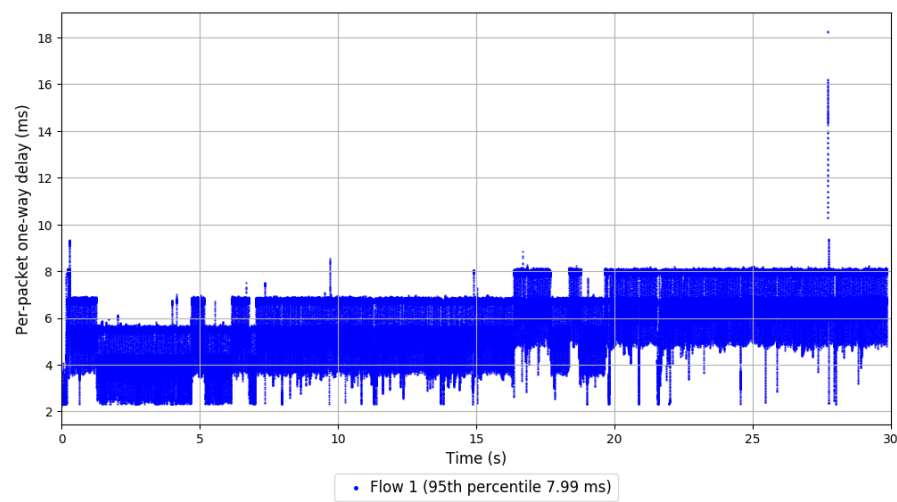
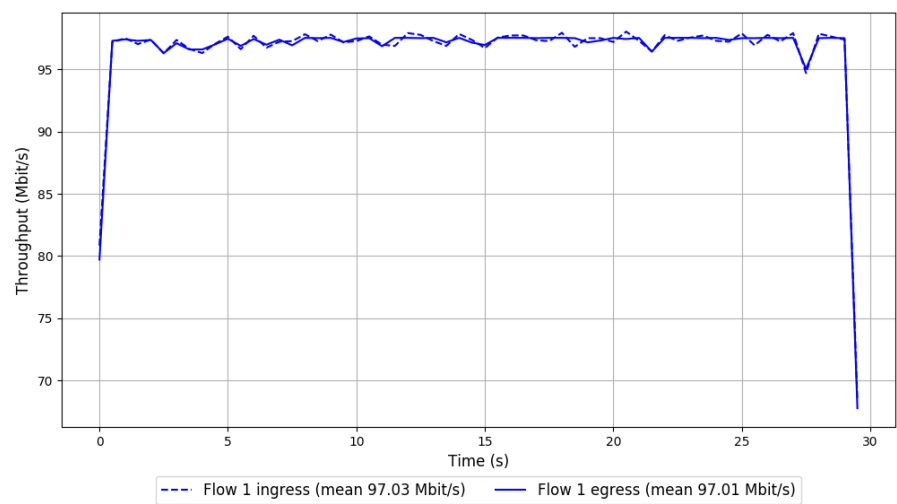
-- Flow 1:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 7.988 ms

Loss rate: 0.03%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-12-19 21:42:51

End at: 2017-12-19 21:43:21

Local clock offset: 0.335 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2017-12-20 01:19:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 8.330 ms

Loss rate: 0.04%

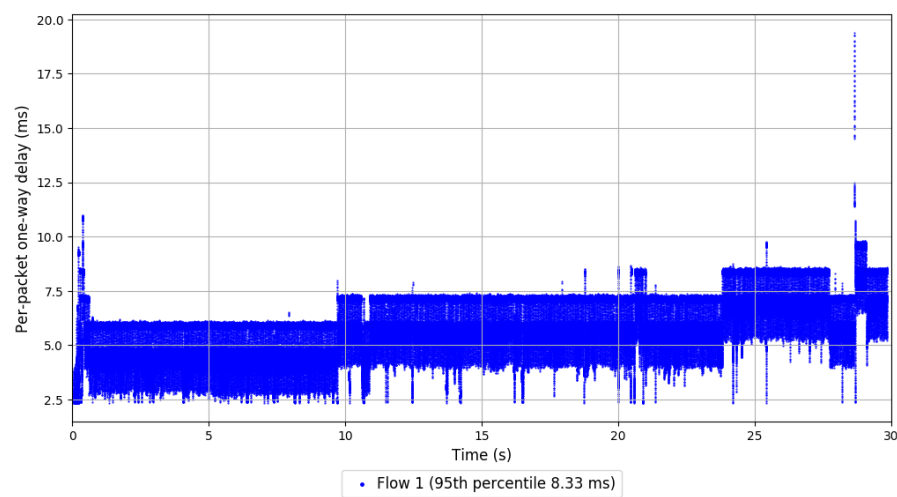
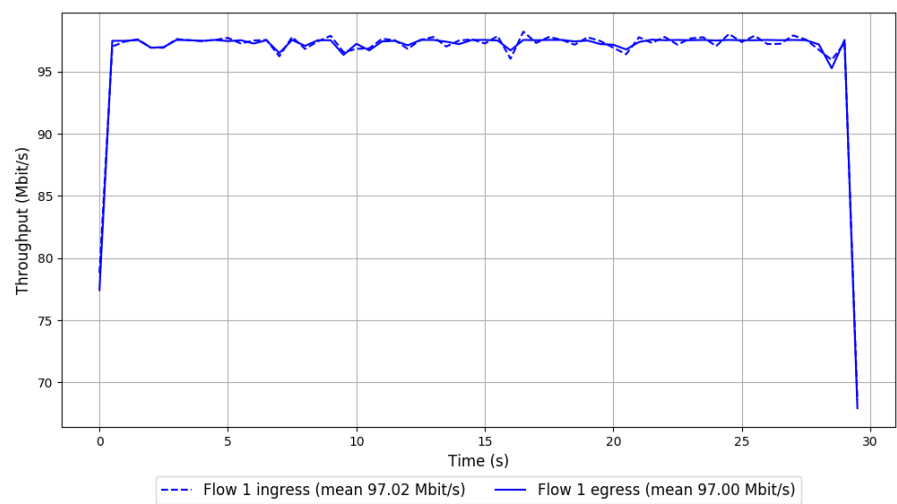
-- Flow 1:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 8.330 ms

Loss rate: 0.04%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-12-19 21:59:52

End at: 2017-12-19 22:00:22

Local clock offset: 0.217 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2017-12-20 01:19:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 8.051 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 8.051 ms

Loss rate: 0.03%

Run 10: Report of Indigo — Data Link

