

Pantheon Report

Generated at 2018-02-27 23:57:16 (UTC).

Data path: GCE Iowa Ethernet (*local*) → GCE London Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

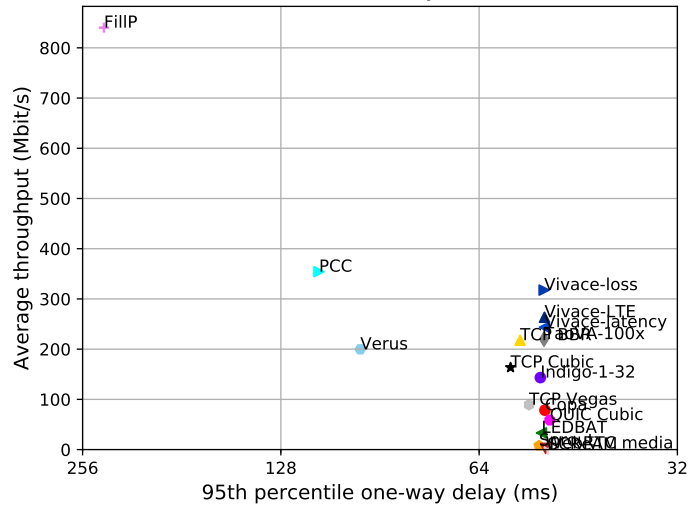
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

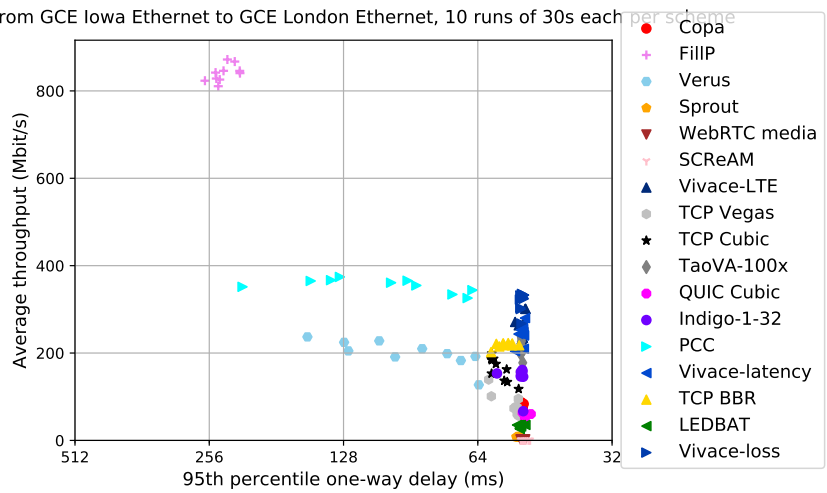
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5ceec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
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 @ f1a14bffe749737437f61b1eae30b267cde681
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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE Iowa Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE London Ethernet, 10 runs of 30s each



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	217.75	55.46	0.00
TCP Cubic	10	163.47	57.34	0.01
LEDBAT	10	33.20	51.47	0.01
PCC	10	354.26	112.02	0.07
QUIC Cubic	4	58.78	49.99	0.00
SCReAM	10	0.22	50.36	0.00
WebRTC media	10	2.31	50.73	0.01
Sprout	10	7.94	51.92	0.00
TaoVA-100x	10	219.95	51.01	0.00
TCP Vegas	10	89.33	53.75	0.00
Verus	10	199.62	96.98	0.05
Copa	10	78.42	50.84	0.00
FillP	10	840.17	237.59	0.59
Indigo-1-32	10	143.37	51.66	0.00
Vivace-latency	10	243.64	50.93	0.00
Vivace-loss	10	317.57	50.99	0.00
Vivace-LTE	10	263.58	50.92	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-02-27 17:10:05

End at: 2018-02-27 17:10:35

Below is generated by plot.py at 2018-02-27 21:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.96 Mbit/s

95th percentile per-packet one-way delay: 55.914 ms

Loss rate: 0.00%

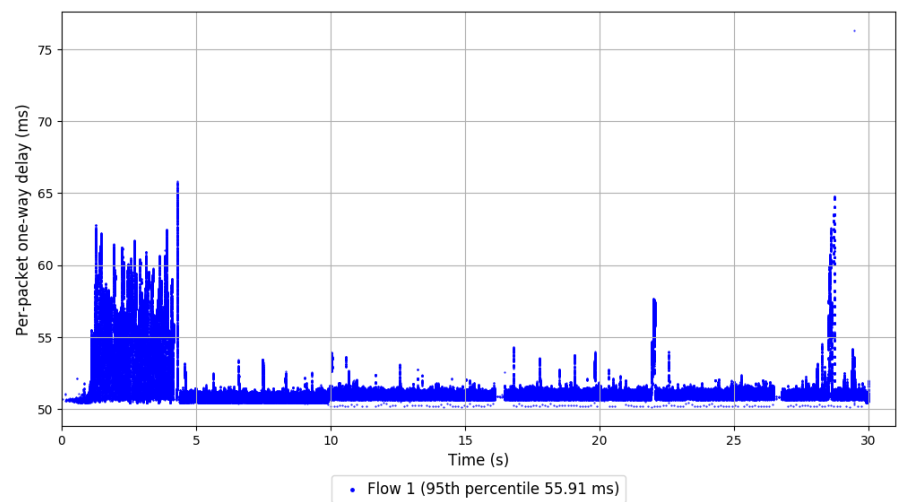
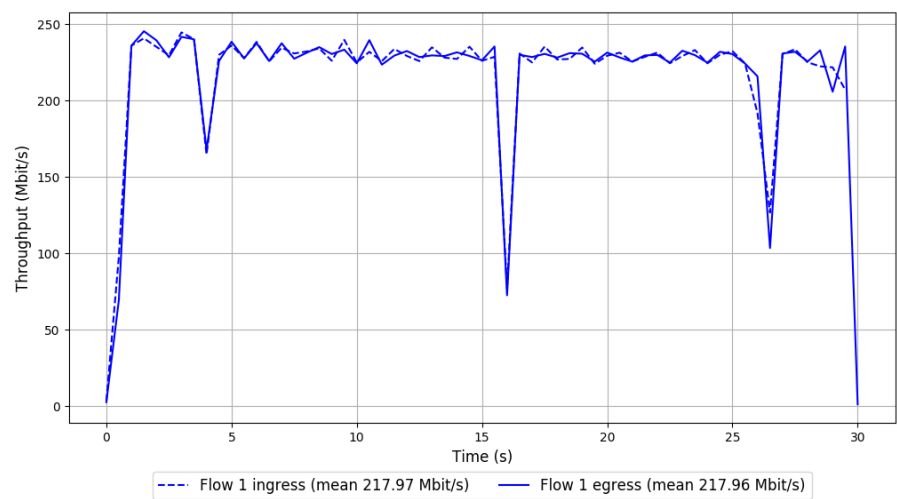
-- Flow 1:

Average throughput: 217.96 Mbit/s

95th percentile per-packet one-way delay: 55.914 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-27 17:24:35

End at: 2018-02-27 17:25:05

Below is generated by plot.py at 2018-02-27 21:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.19 Mbit/s

95th percentile per-packet one-way delay: 59.765 ms

Loss rate: 0.00%

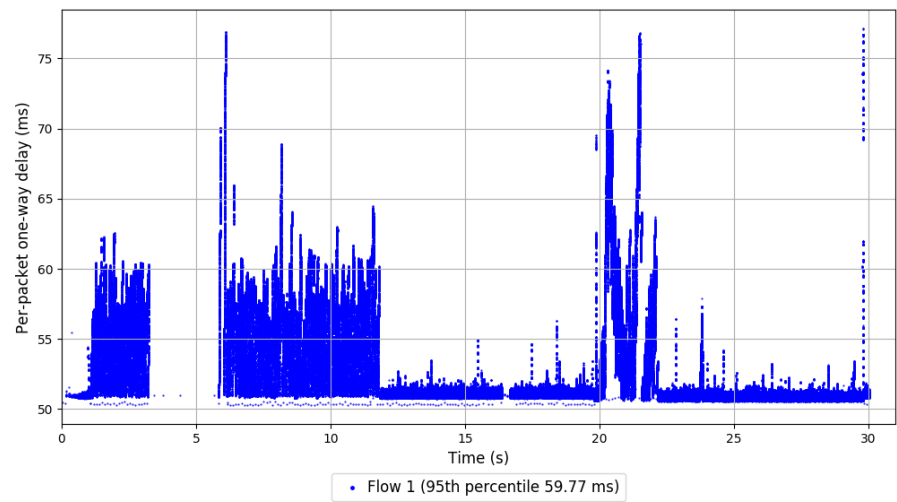
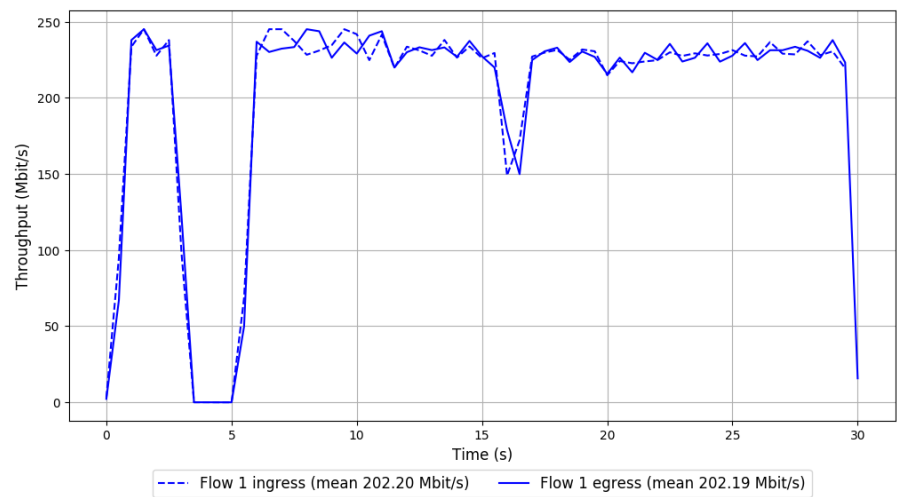
-- Flow 1:

Average throughput: 202.19 Mbit/s

95th percentile per-packet one-way delay: 59.765 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-27 17:39:08

End at: 2018-02-27 17:39:38

Below is generated by plot.py at 2018-02-27 21:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.09 Mbit/s

95th percentile per-packet one-way delay: 57.268 ms

Loss rate: 0.01%

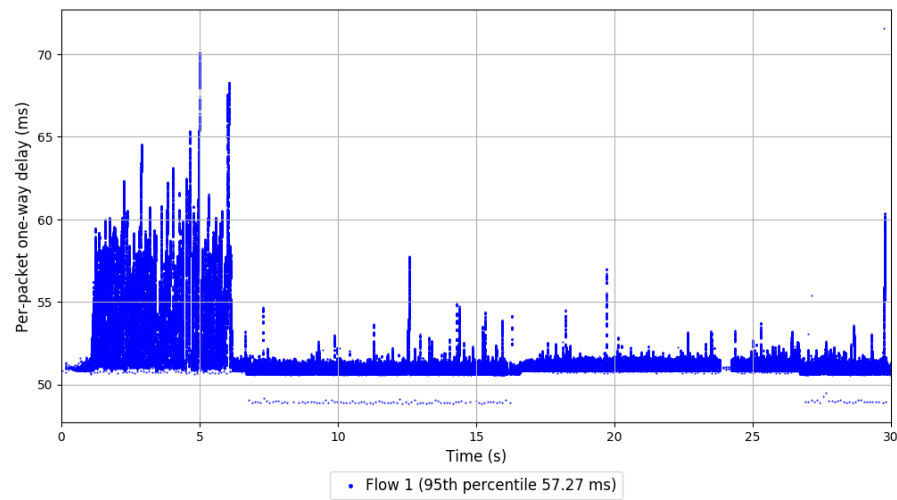
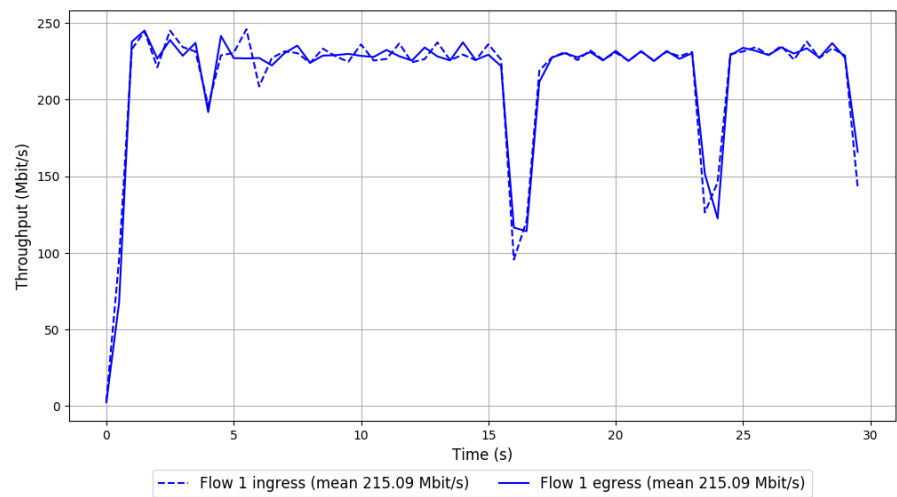
-- Flow 1:

Average throughput: 215.09 Mbit/s

95th percentile per-packet one-way delay: 57.268 ms

Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-27 17:53:36

End at: 2018-02-27 17:54:06

Below is generated by plot.py at 2018-02-27 21:58:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.06 Mbit/s

95th percentile per-packet one-way delay: 53.769 ms

Loss rate: 0.01%

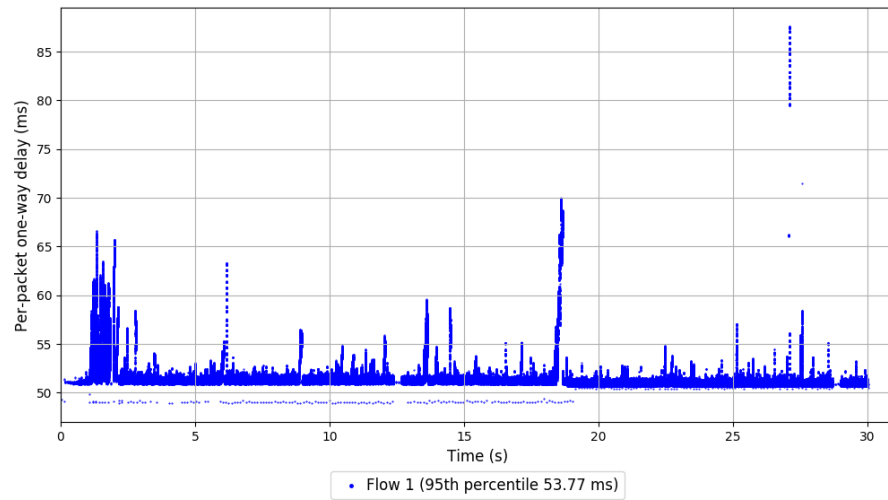
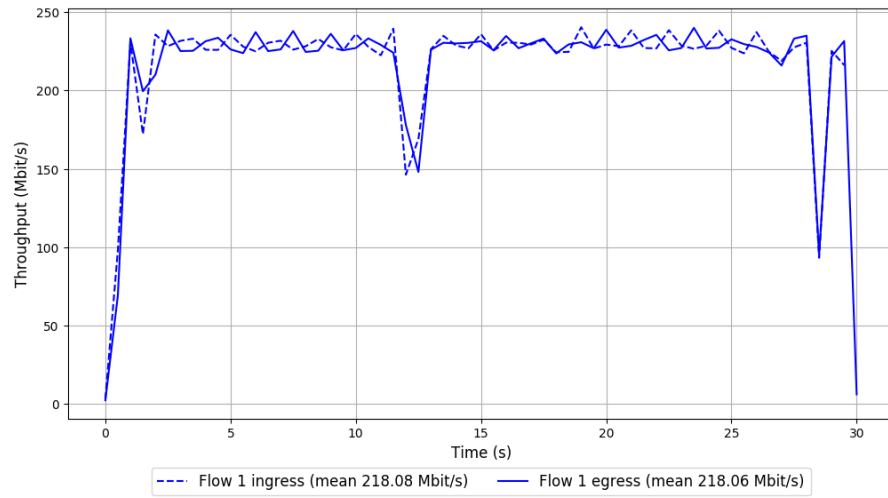
-- Flow 1:

Average throughput: 218.06 Mbit/s

95th percentile per-packet one-way delay: 53.769 ms

Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-27 18:07:58

End at: 2018-02-27 18:08:28

Below is generated by plot.py at 2018-02-27 21:58:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.07 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.00%

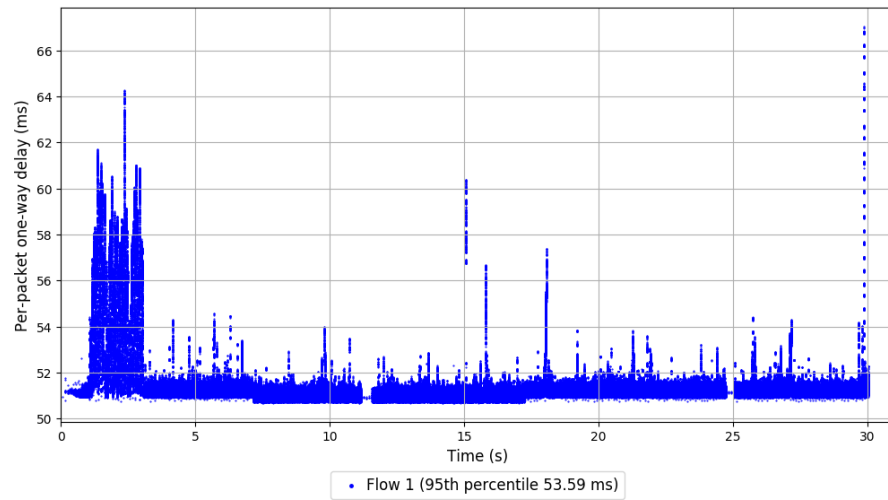
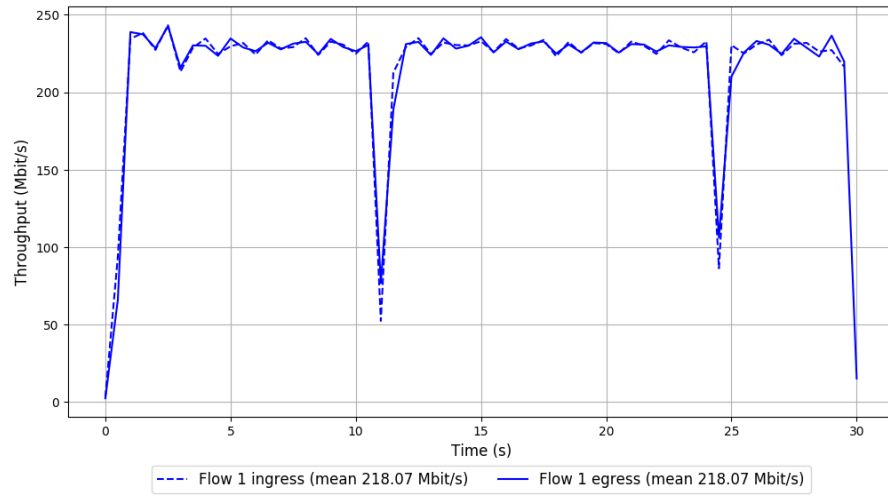
-- Flow 1:

Average throughput: 218.07 Mbit/s

95th percentile per-packet one-way delay: 53.589 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-27 18:22:19

End at: 2018-02-27 18:22:49

Below is generated by plot.py at 2018-02-27 21:58:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.77 Mbit/s

95th percentile per-packet one-way delay: 51.687 ms

Loss rate: 0.00%

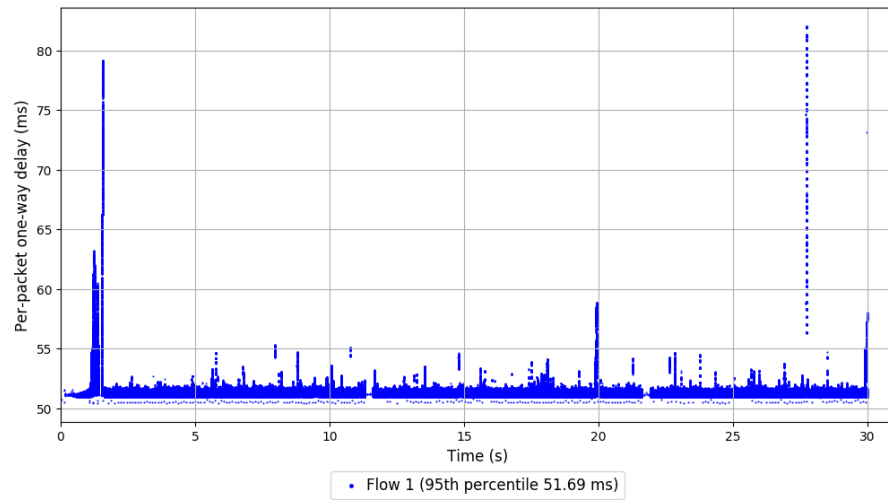
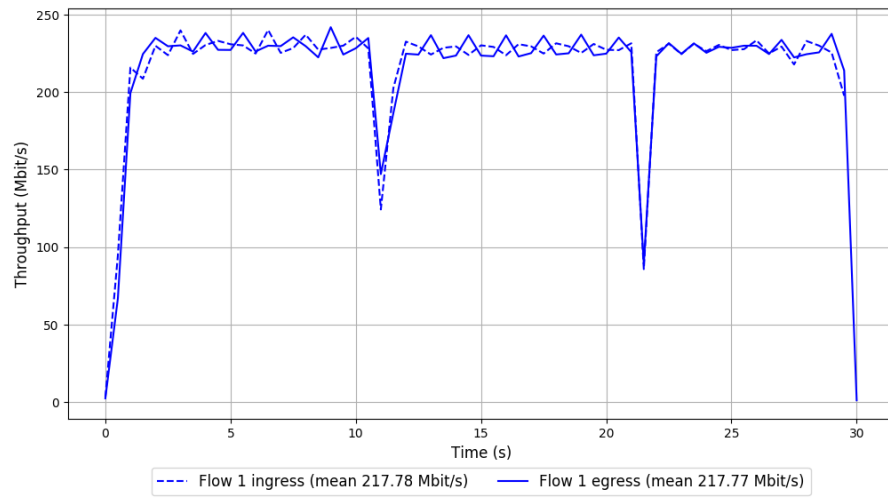
-- Flow 1:

Average throughput: 217.77 Mbit/s

95th percentile per-packet one-way delay: 51.687 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-27 18:36:56

End at: 2018-02-27 18:37:26

Below is generated by plot.py at 2018-02-27 21:58:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.10 Mbit/s

95th percentile per-packet one-way delay: 58.161 ms

Loss rate: 0.00%

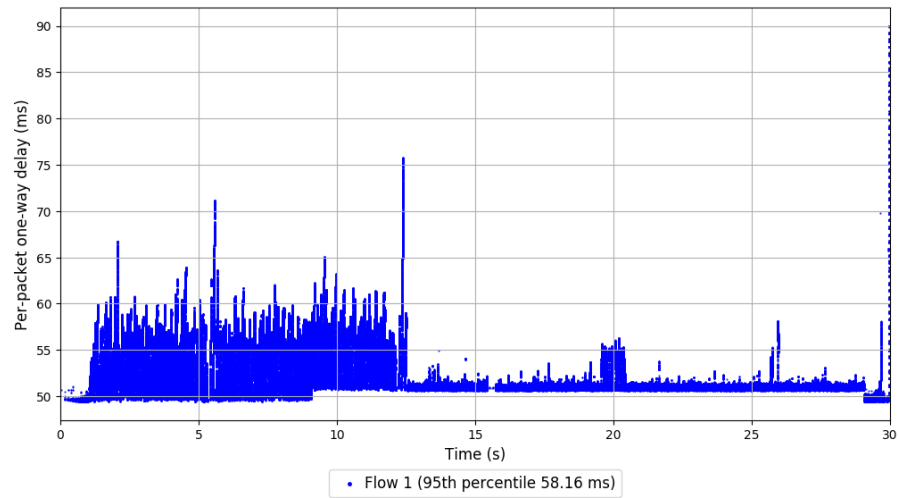
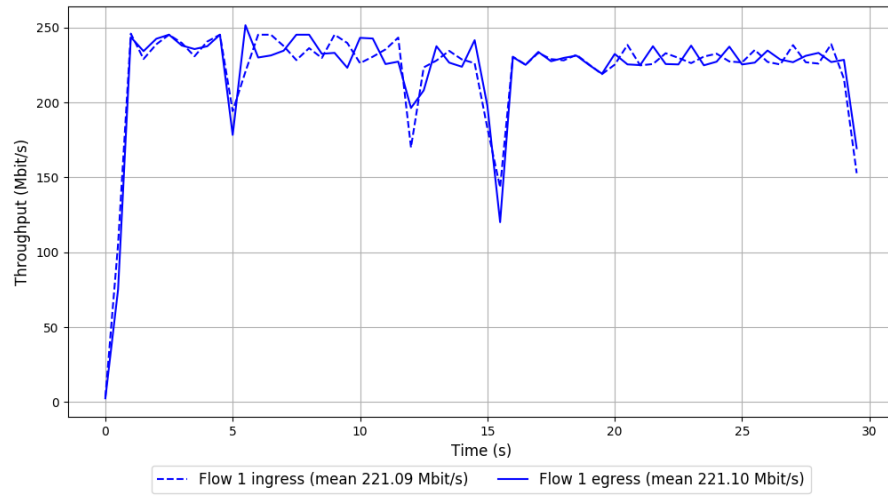
-- Flow 1:

Average throughput: 221.10 Mbit/s

95th percentile per-packet one-way delay: 58.161 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-27 18:51:28

End at: 2018-02-27 18:51:58

Below is generated by plot.py at 2018-02-27 21:58:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.74 Mbit/s

95th percentile per-packet one-way delay: 54.709 ms

Loss rate: 0.00%

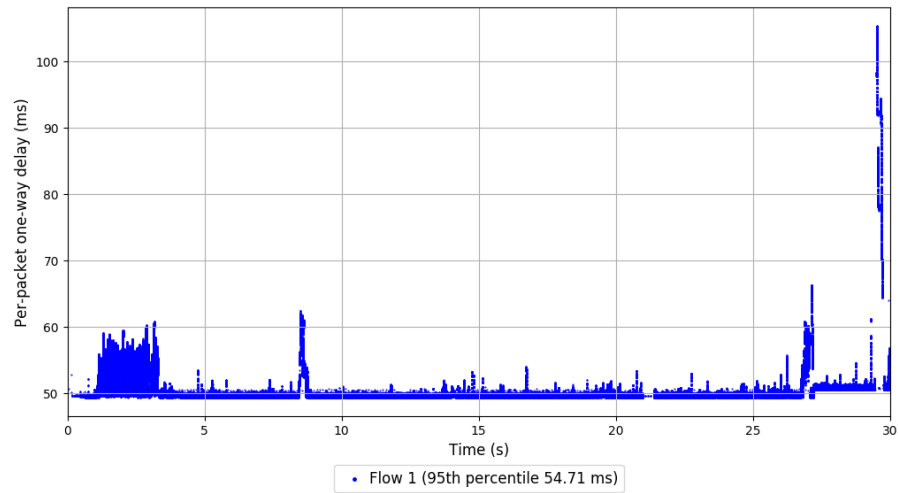
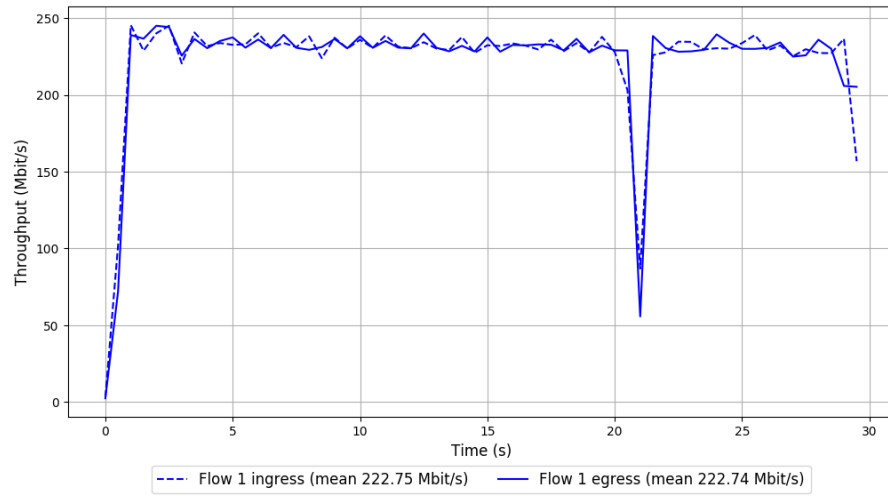
-- Flow 1:

Average throughput: 222.74 Mbit/s

95th percentile per-packet one-way delay: 54.709 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-27 19:06:08

End at: 2018-02-27 19:06:38

Below is generated by plot.py at 2018-02-27 22:03:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 56.139 ms

Loss rate: 0.00%

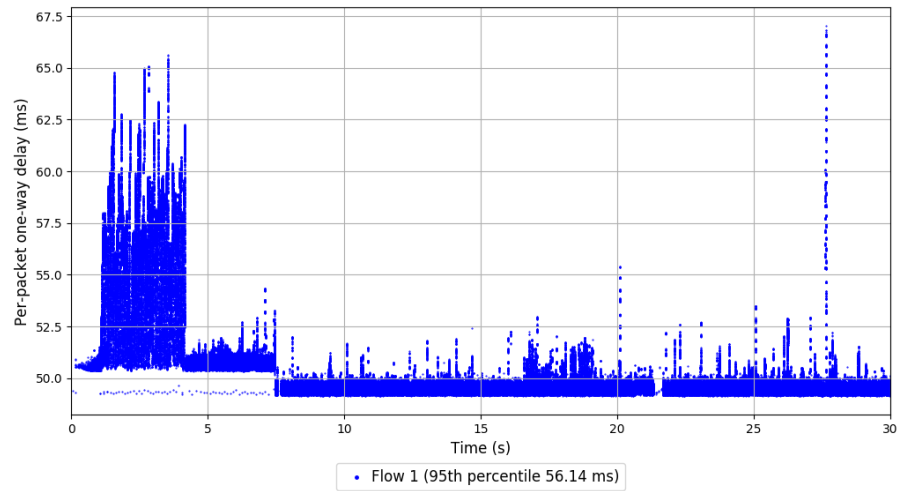
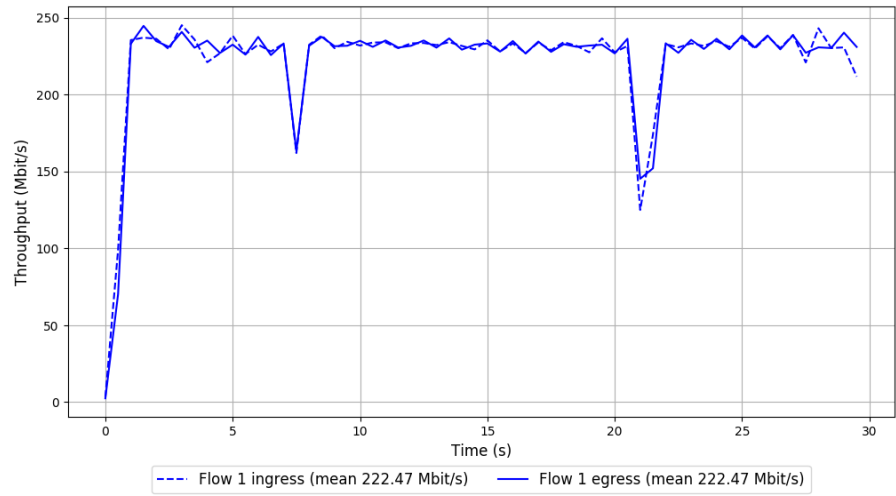
-- Flow 1:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 56.139 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-27 19:20:46

End at: 2018-02-27 19:21:16

Below is generated by plot.py at 2018-02-27 22:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.01 Mbit/s

95th percentile per-packet one-way delay: 53.581 ms

Loss rate: 0.00%

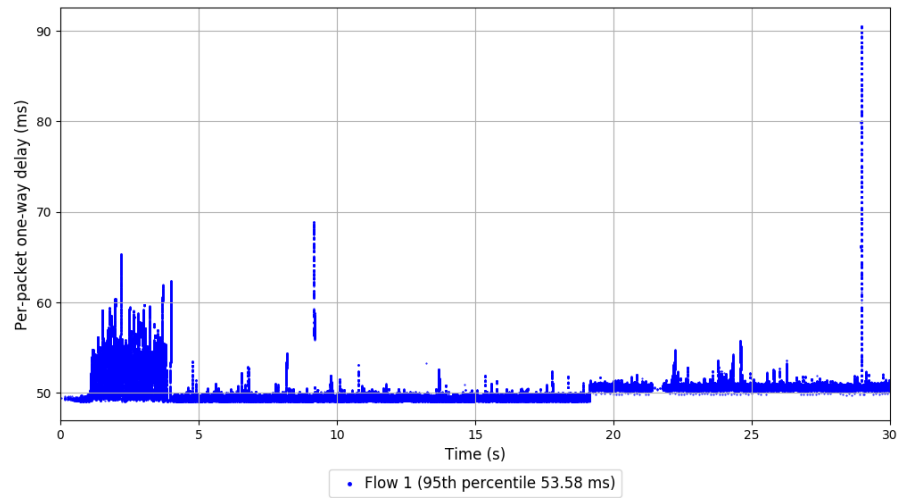
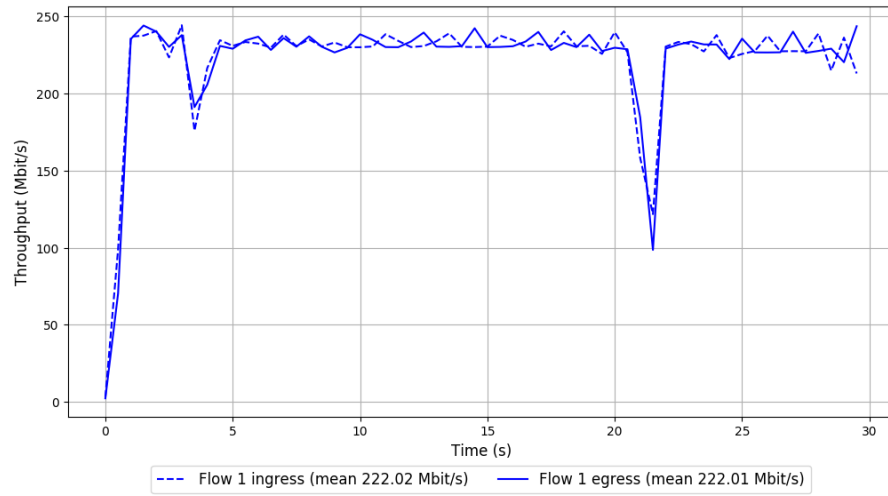
-- Flow 1:

Average throughput: 222.01 Mbit/s

95th percentile per-packet one-way delay: 53.581 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-27 17:03:29

End at: 2018-02-27 17:03:59

Below is generated by plot.py at 2018-02-27 22:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.63 Mbit/s

95th percentile per-packet one-way delay: 55.150 ms

Loss rate: 0.02%

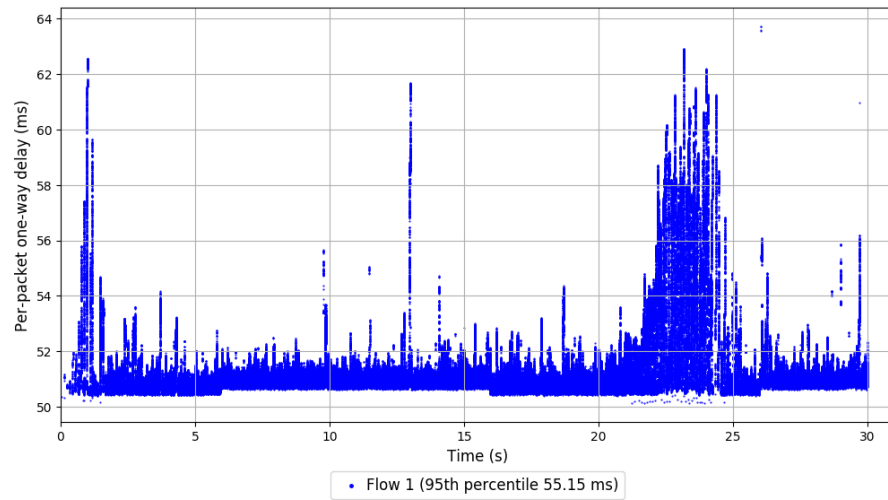
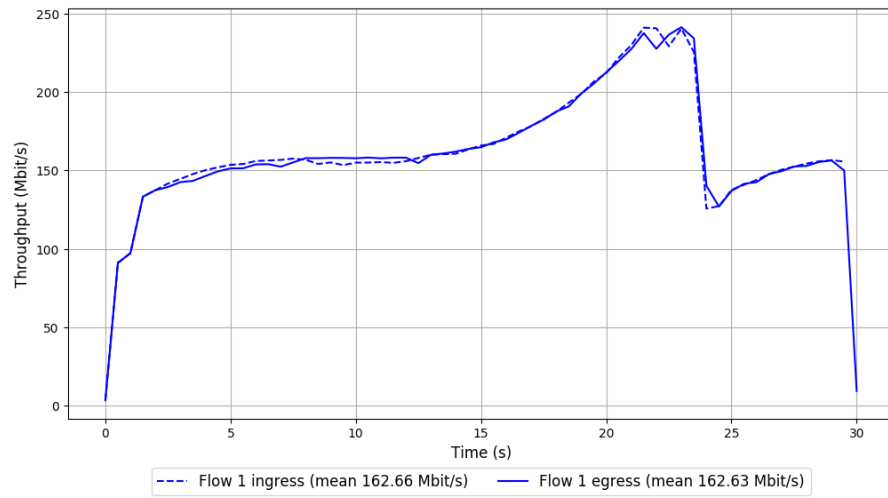
-- Flow 1:

Average throughput: 162.63 Mbit/s

95th percentile per-packet one-way delay: 55.150 ms

Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-27 17:17:55

End at: 2018-02-27 17:18:25

Below is generated by plot.py at 2018-02-27 22:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.89 Mbit/s

95th percentile per-packet one-way delay: 59.013 ms

Loss rate: 0.00%

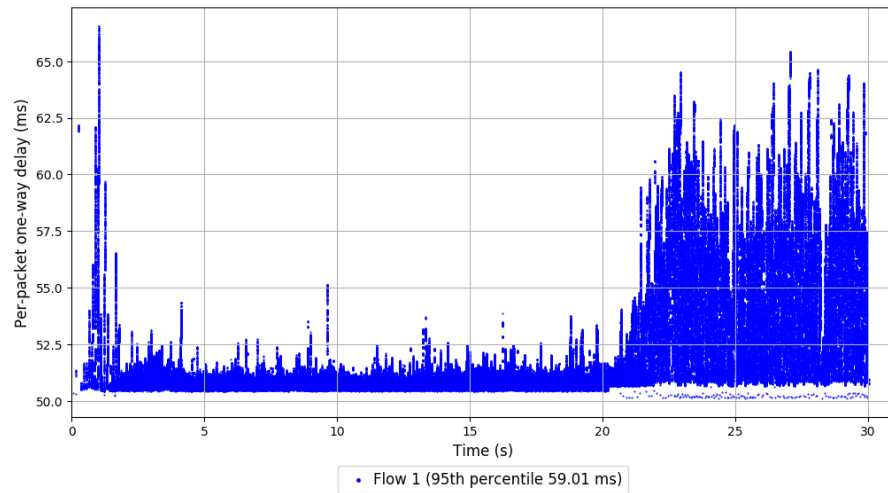
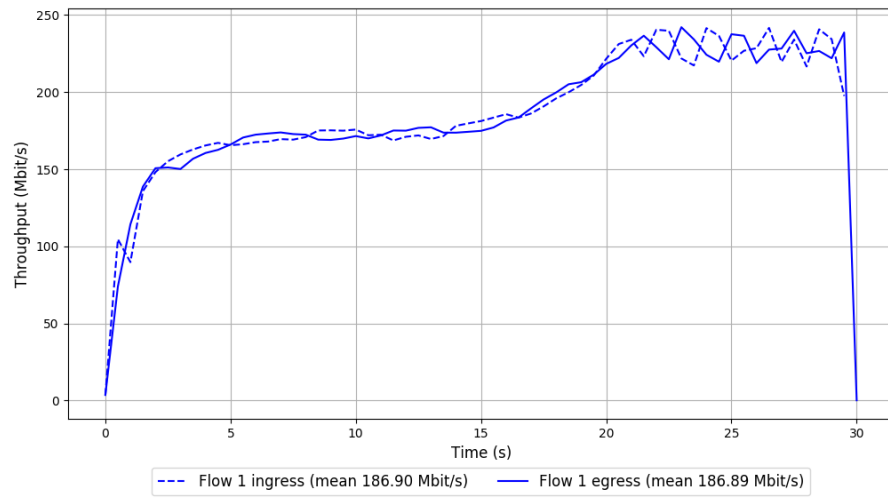
-- Flow 1:

Average throughput: 186.89 Mbit/s

95th percentile per-packet one-way delay: 59.013 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-27 17:32:29

End at: 2018-02-27 17:32:59

Below is generated by plot.py at 2018-02-27 22:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.96 Mbit/s

95th percentile per-packet one-way delay: 59.528 ms

Loss rate: 0.01%

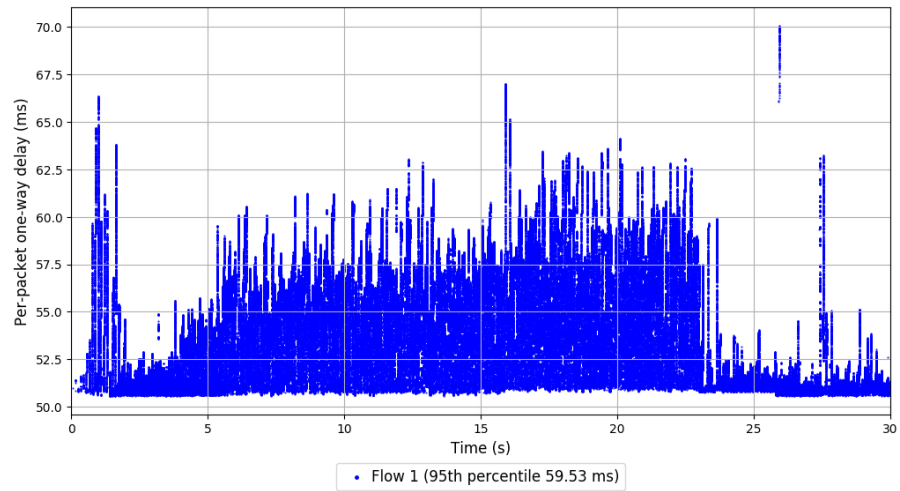
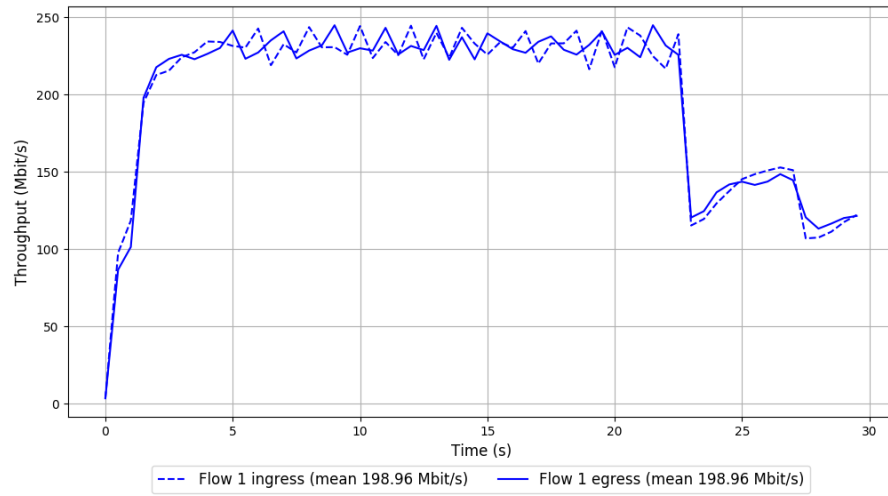
-- Flow 1:

Average throughput: 198.96 Mbit/s

95th percentile per-packet one-way delay: 59.528 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-27 17:46:58

End at: 2018-02-27 17:47:28

Below is generated by plot.py at 2018-02-27 22:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.69 Mbit/s

95th percentile per-packet one-way delay: 59.508 ms

Loss rate: 0.00%

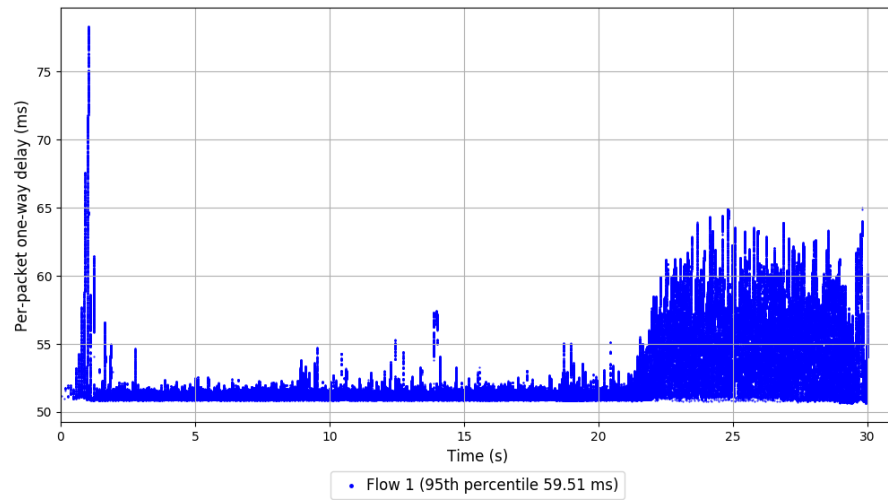
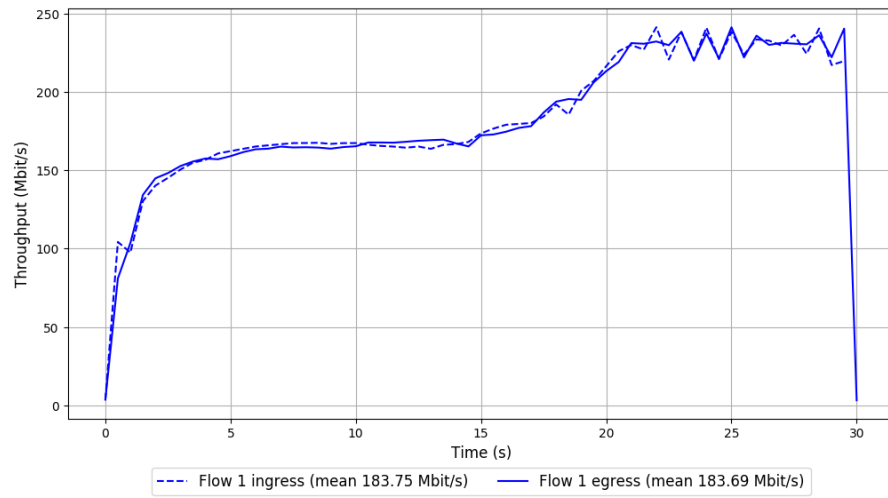
-- Flow 1:

Average throughput: 183.69 Mbit/s

95th percentile per-packet one-way delay: 59.508 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-27 18:01:24

End at: 2018-02-27 18:01:54

Below is generated by plot.py at 2018-02-27 22:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.24 Mbit/s

95th percentile per-packet one-way delay: 59.690 ms

Loss rate: 0.00%

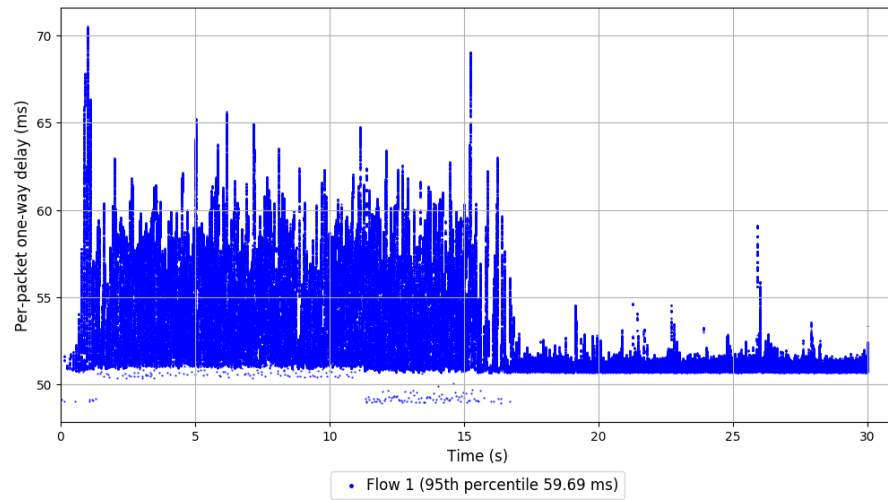
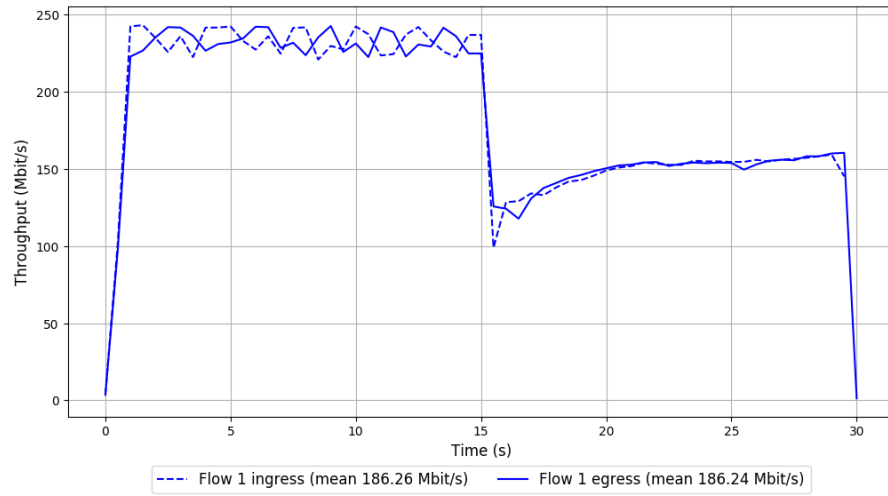
-- Flow 1:

Average throughput: 186.24 Mbit/s

95th percentile per-packet one-way delay: 59.690 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-27 18:15:50

End at: 2018-02-27 18:16:20

Below is generated by plot.py at 2018-02-27 22:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.71 Mbit/s

95th percentile per-packet one-way delay: 54.978 ms

Loss rate: 0.00%

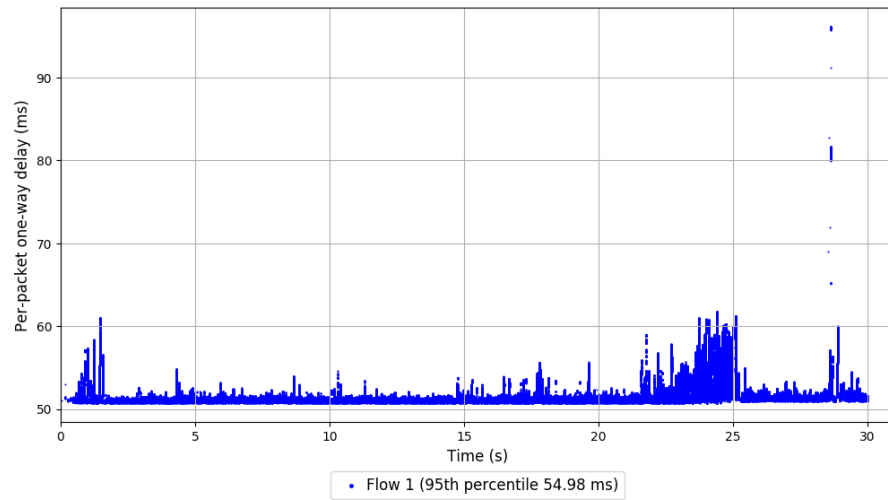
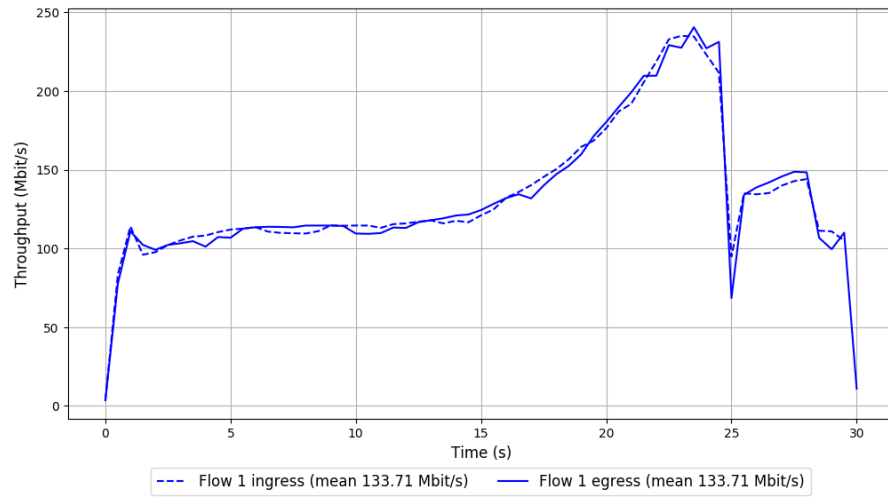
-- Flow 1:

Average throughput: 133.71 Mbit/s

95th percentile per-packet one-way delay: 54.978 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-27 18:30:19

End at: 2018-02-27 18:30:49

Below is generated by plot.py at 2018-02-27 22:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.78 Mbit/s

95th percentile per-packet one-way delay: 51.840 ms

Loss rate: 0.00%

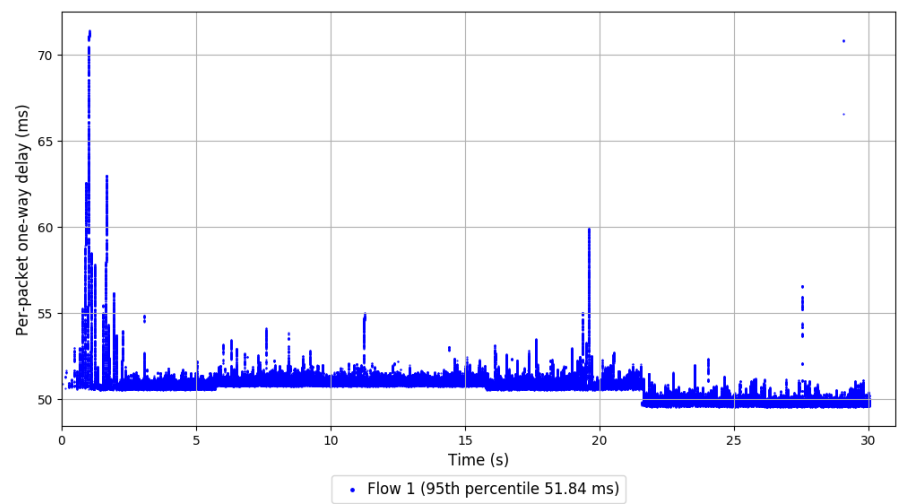
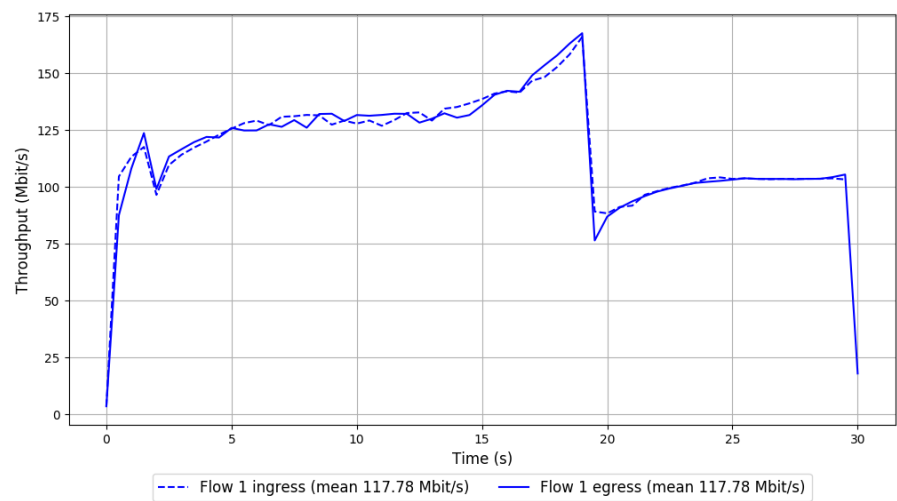
-- Flow 1:

Average throughput: 117.78 Mbit/s

95th percentile per-packet one-way delay: 51.840 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-27 18:44:53

End at: 2018-02-27 18:45:23

Below is generated by plot.py at 2018-02-27 22:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.99 Mbit/s

95th percentile per-packet one-way delay: 59.610 ms

Loss rate: 0.00%

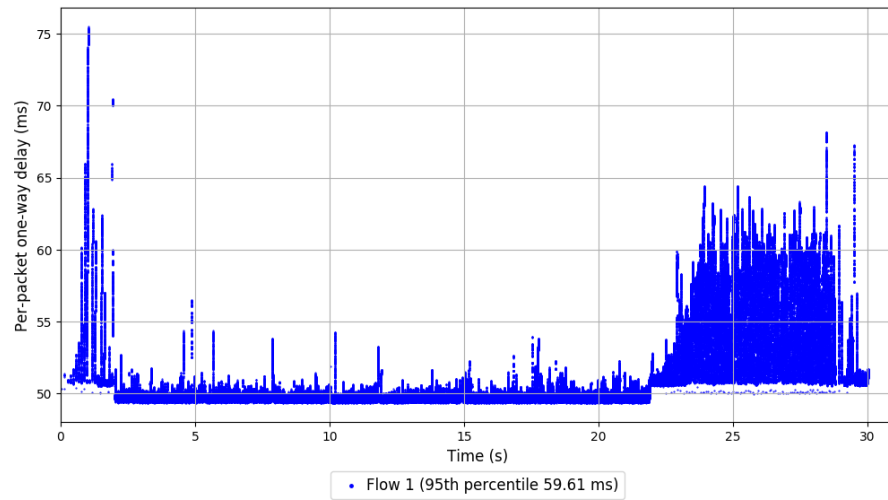
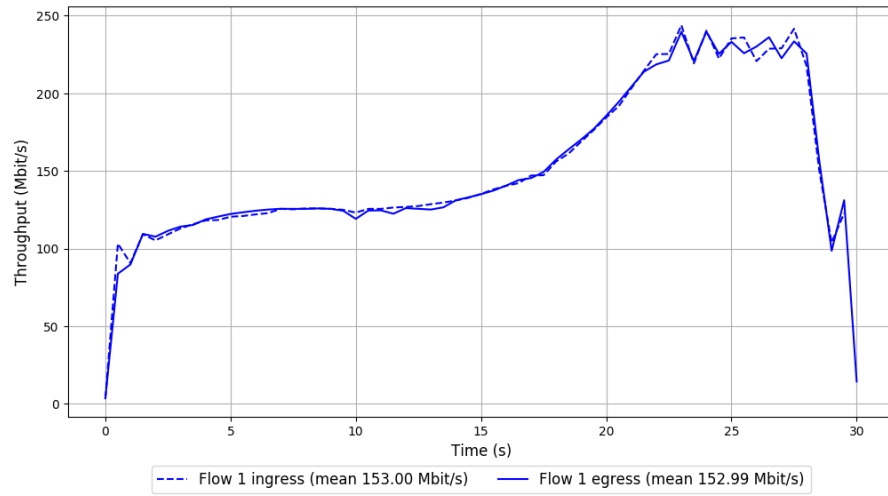
-- Flow 1:

Average throughput: 152.99 Mbit/s

95th percentile per-packet one-way delay: 59.610 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-27 18:59:31

End at: 2018-02-27 19:00:01

Below is generated by plot.py at 2018-02-27 22:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.66 Mbit/s

95th percentile per-packet one-way delay: 55.832 ms

Loss rate: 0.03%

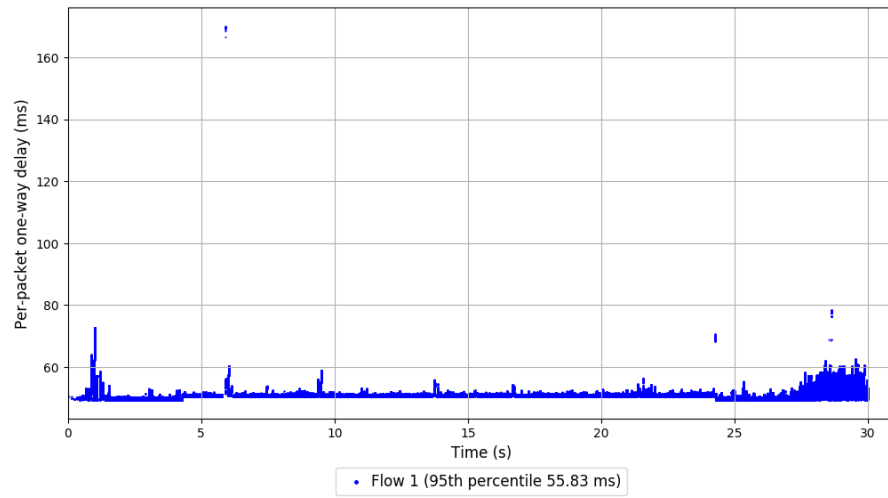
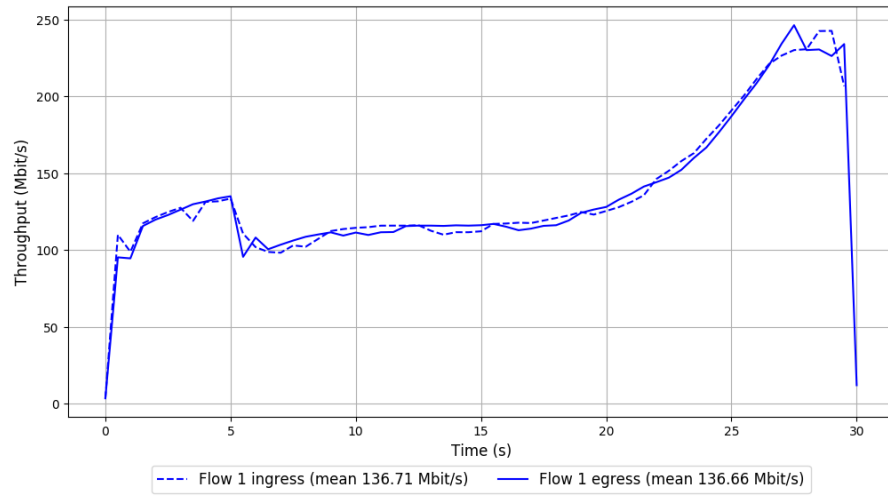
-- Flow 1:

Average throughput: 136.66 Mbit/s

95th percentile per-packet one-way delay: 55.832 ms

Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-27 19:14:10

End at: 2018-02-27 19:14:40

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.16 Mbit/s

95th percentile per-packet one-way delay: 58.279 ms

Loss rate: 0.00%

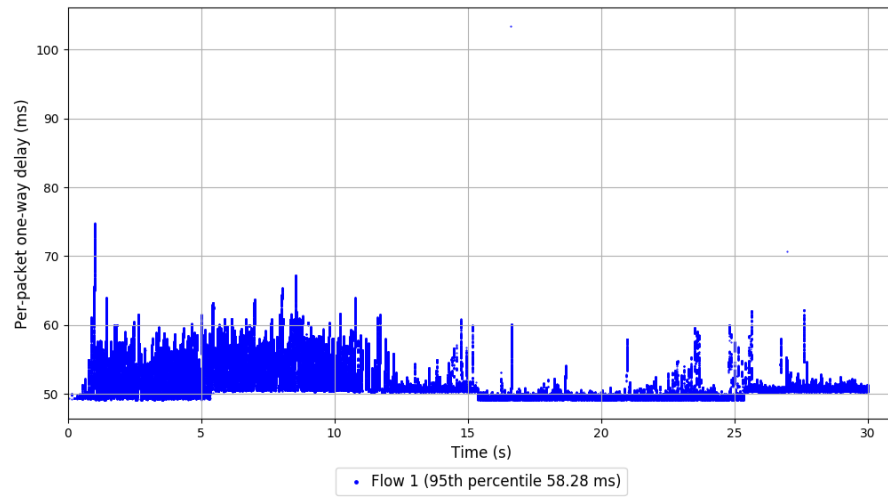
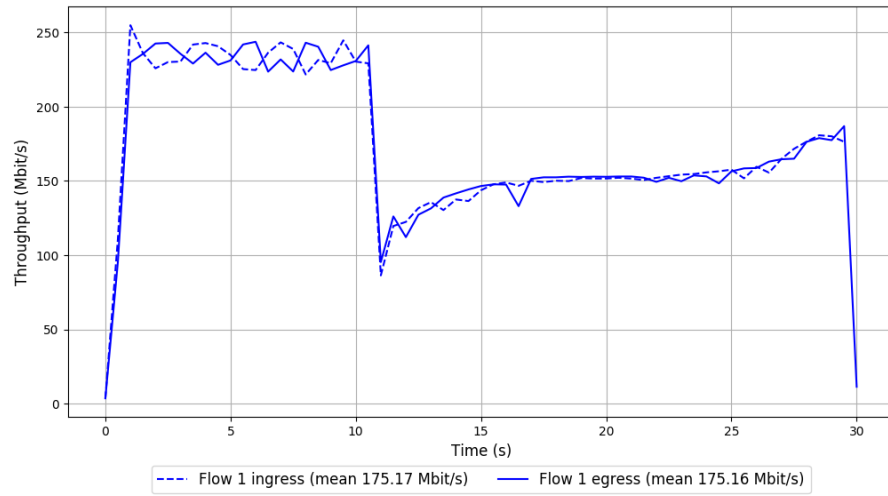
-- Flow 1:

Average throughput: 175.16 Mbit/s

95th percentile per-packet one-way delay: 58.279 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

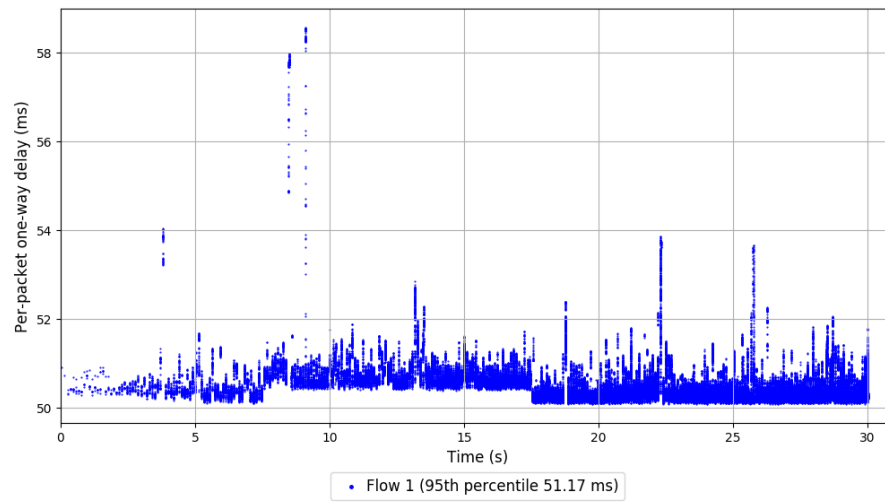
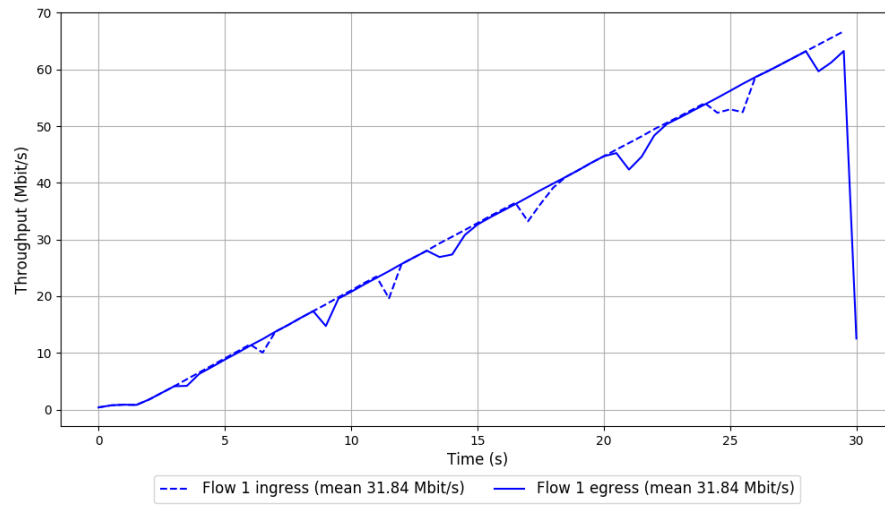


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-27 16:57:17
End at: 2018-02-27 16:57:48

# Below is generated by plot.py at 2018-02-27 22:08:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-27 17:11:46

End at: 2018-02-27 17:12:16

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 51.591 ms

Loss rate: 0.00%

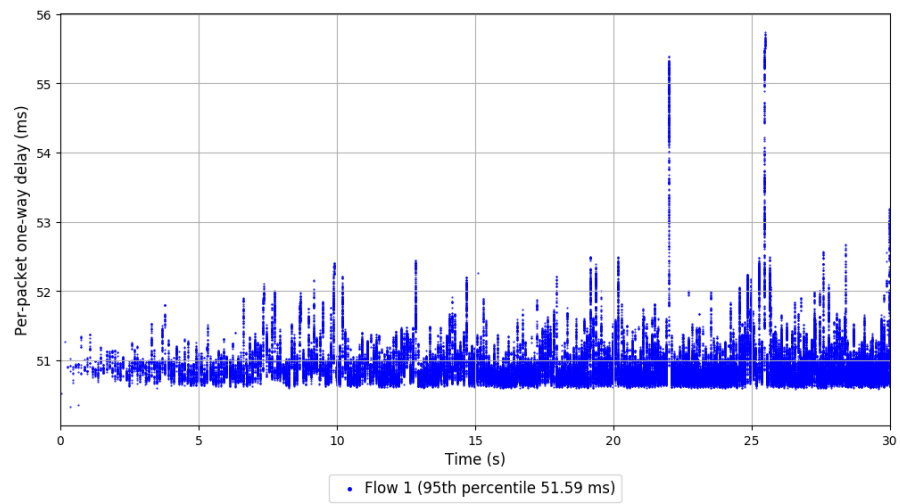
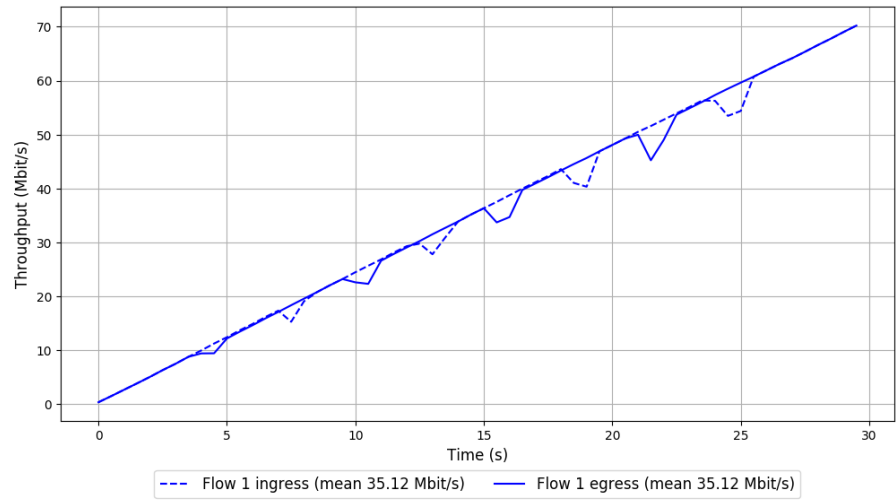
-- Flow 1:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 51.591 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-27 17:26:15

End at: 2018-02-27 17:26:45

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 51.582 ms

Loss rate: 0.00%

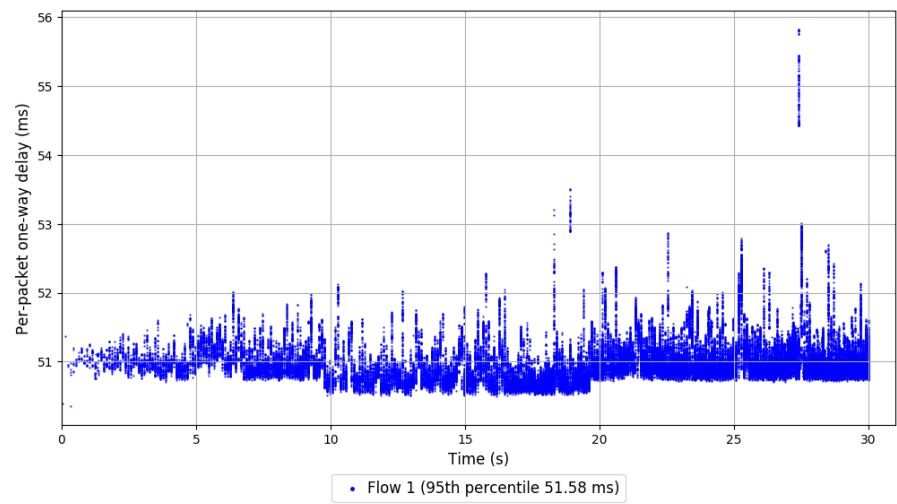
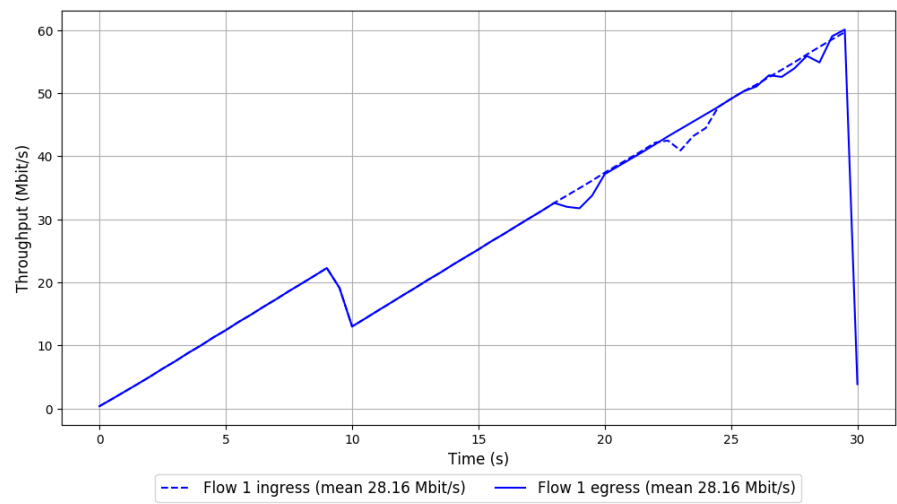
-- Flow 1:

Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 51.582 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-27 17:40:50

End at: 2018-02-27 17:41:20

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 51.642 ms

Loss rate: 0.03%

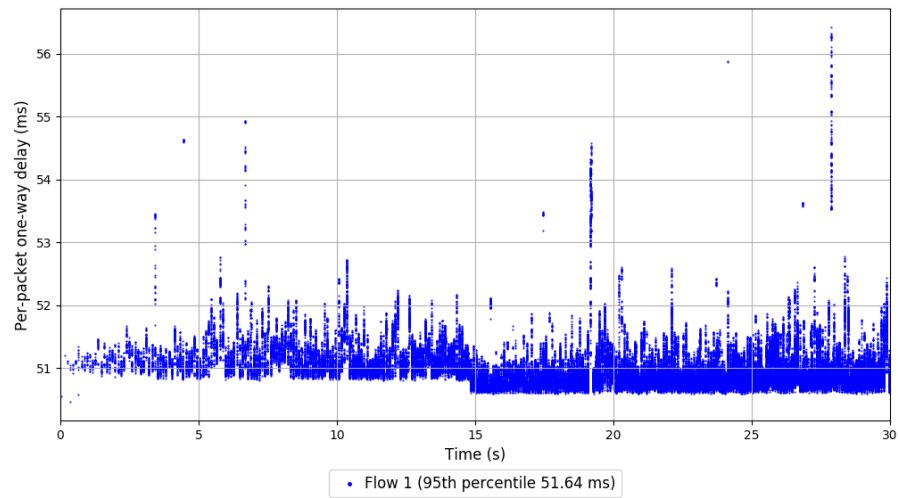
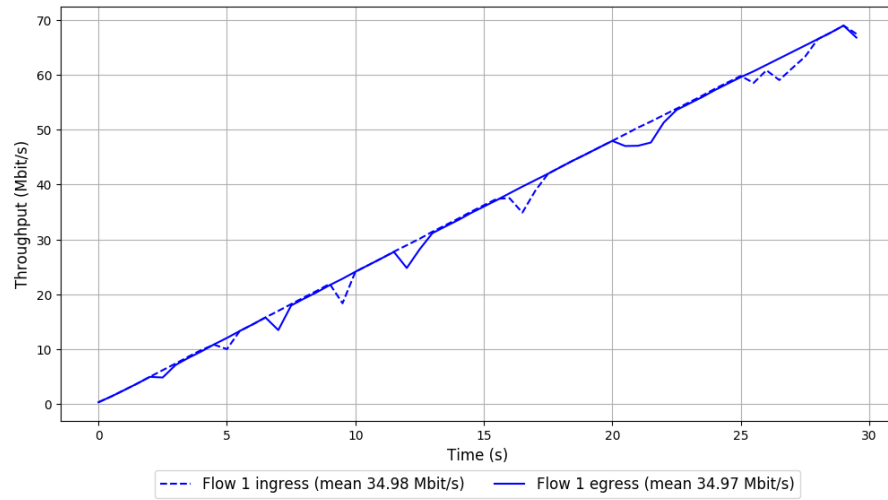
-- Flow 1:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 51.642 ms

Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-27 17:55:10

End at: 2018-02-27 17:55:40

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.27 Mbit/s

95th percentile per-packet one-way delay: 52.273 ms

Loss rate: 0.09%

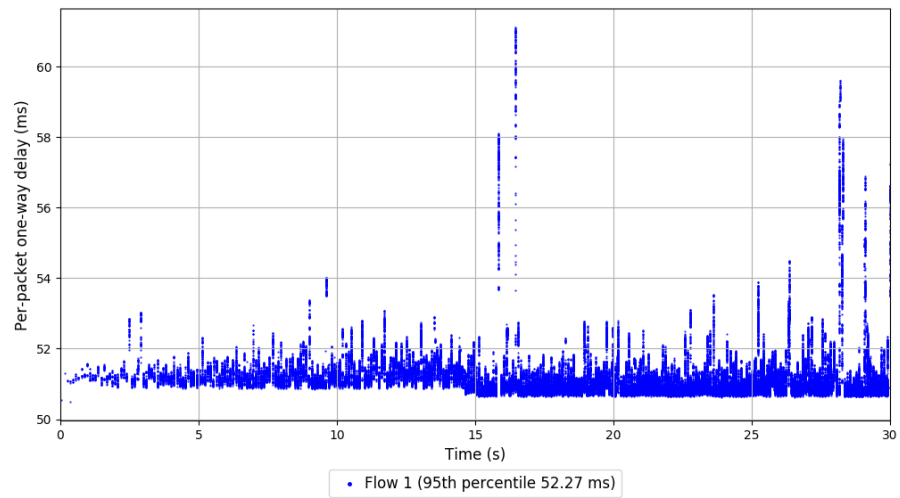
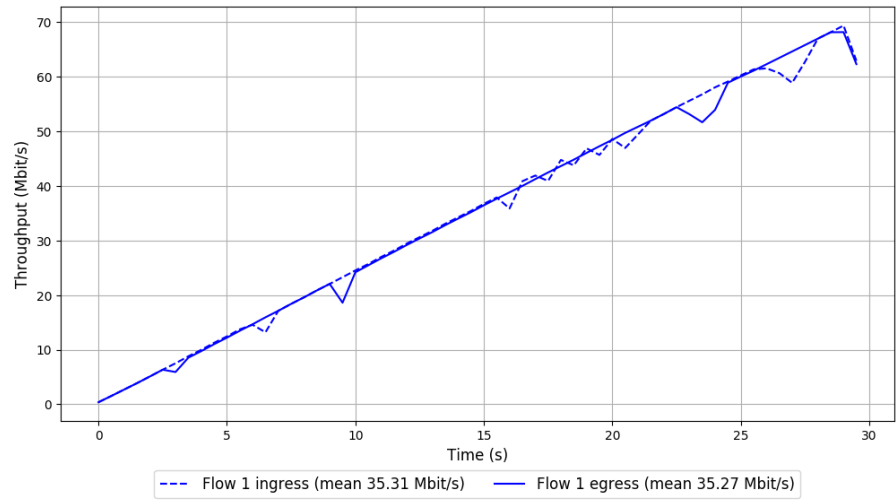
-- Flow 1:

Average throughput: 35.27 Mbit/s

95th percentile per-packet one-way delay: 52.273 ms

Loss rate: 0.09%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-27 18:09:38

End at: 2018-02-27 18:10:08

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: 51.705 ms

Loss rate: 0.00%

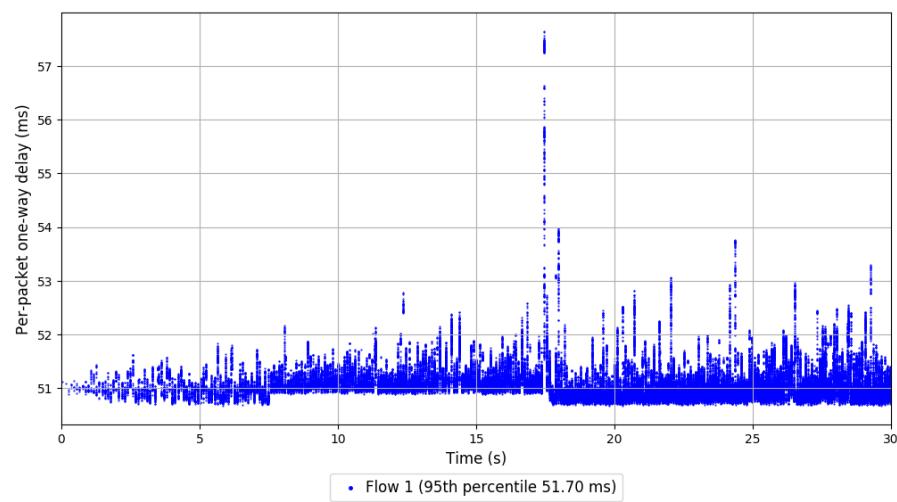
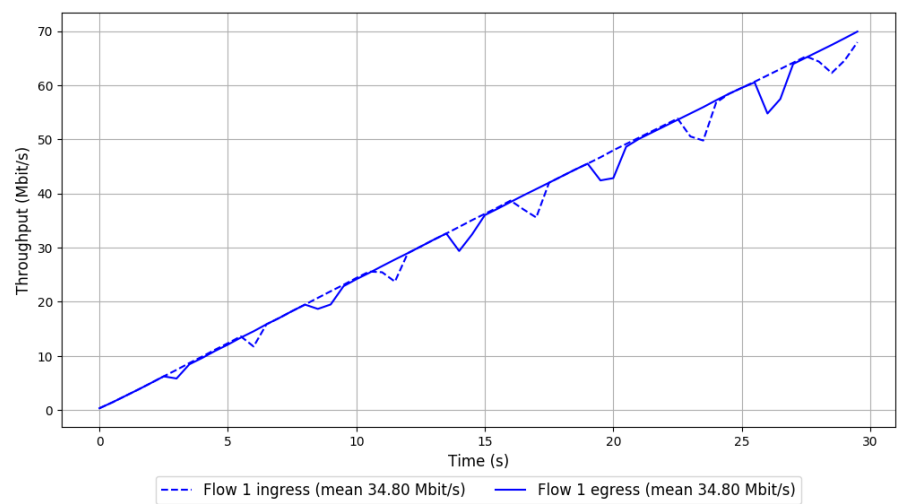
-- Flow 1:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: 51.705 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-27 18:23:59

End at: 2018-02-27 18:24:29

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.94 Mbit/s

95th percentile per-packet one-way delay: 51.933 ms

Loss rate: 0.00%

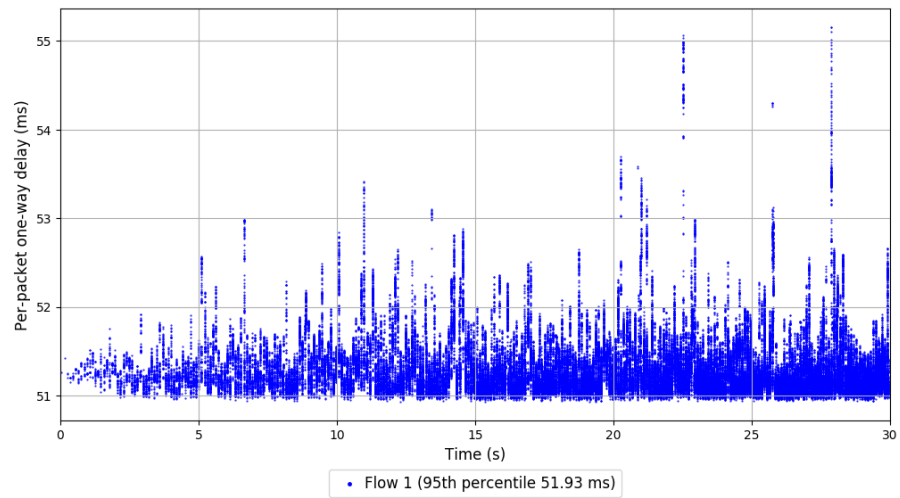
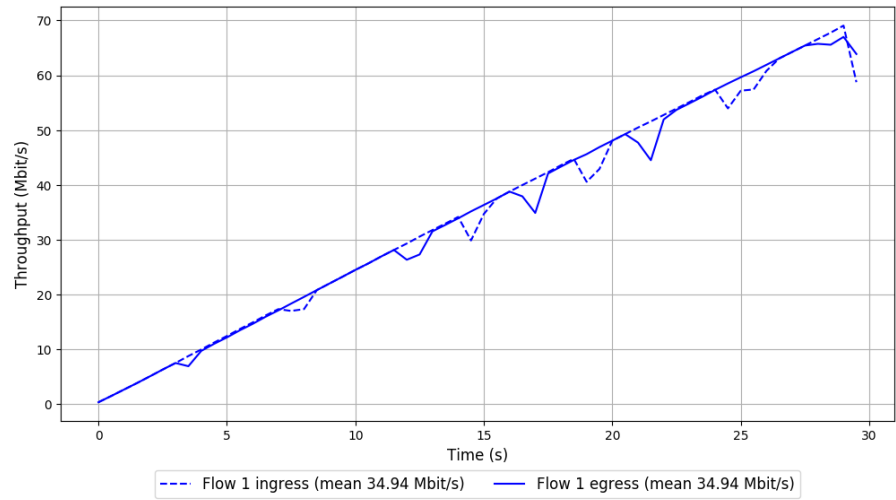
-- Flow 1:

Average throughput: 34.94 Mbit/s

95th percentile per-packet one-way delay: 51.933 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-27 18:38:40

End at: 2018-02-27 18:39:10

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 51.527 ms

Loss rate: 0.00%

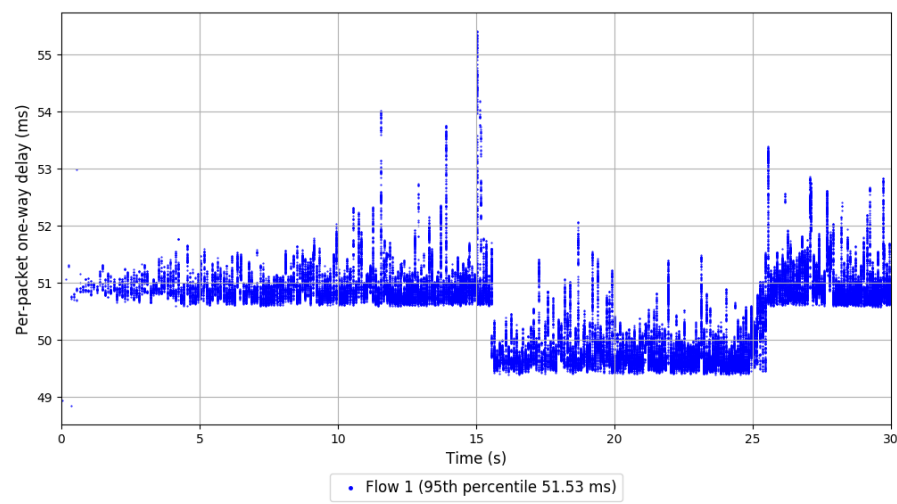
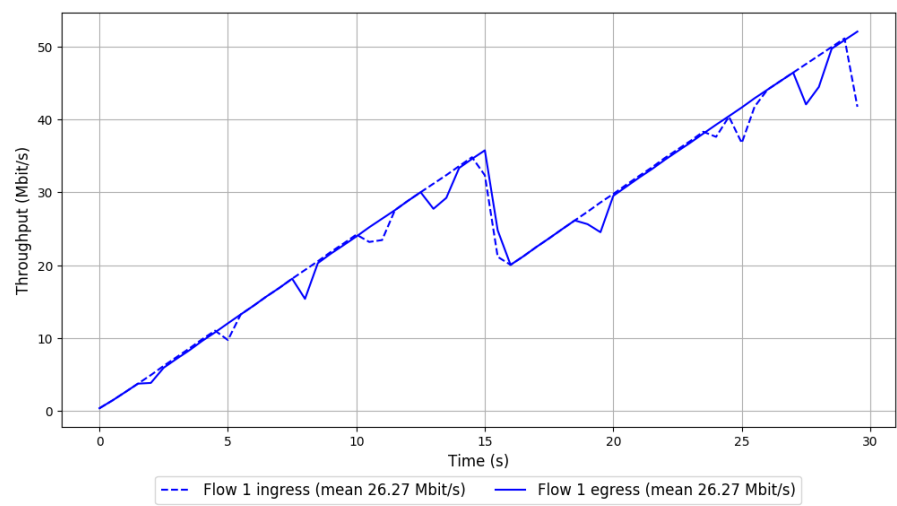
-- Flow 1:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 51.527 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-27 18:53:10

End at: 2018-02-27 18:53:40

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 51.220 ms

Loss rate: 0.00%

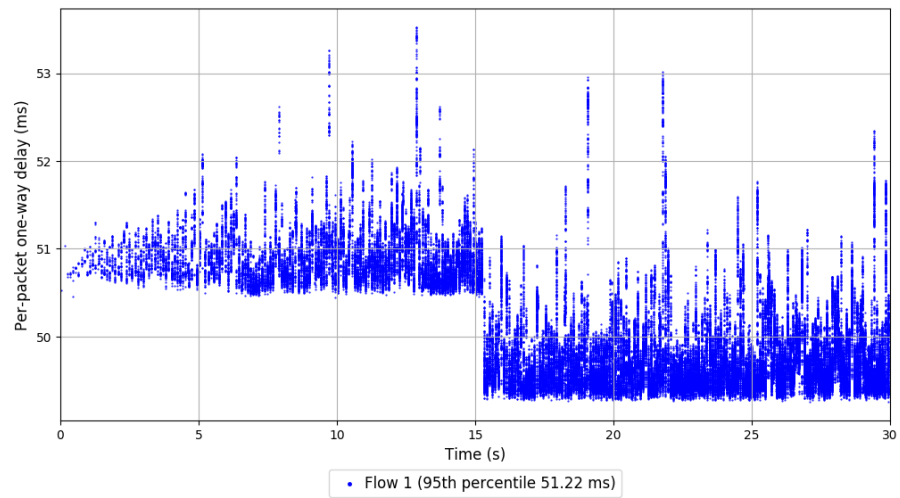
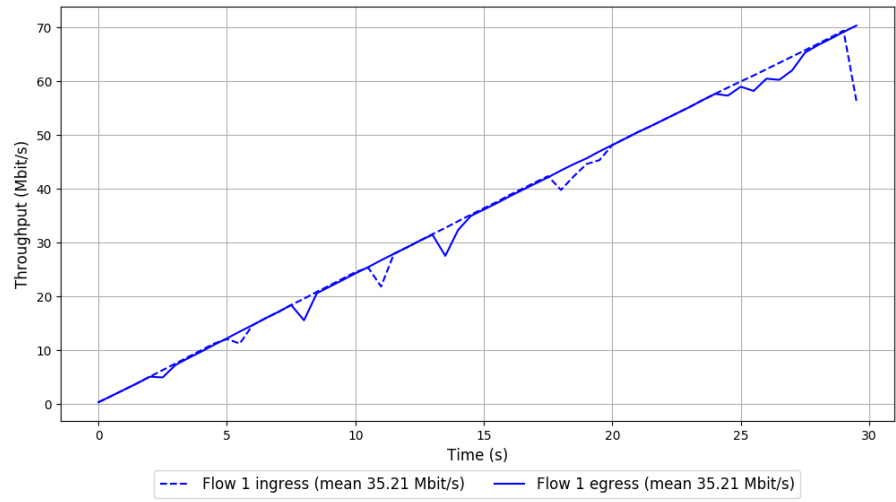
-- Flow 1:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 51.220 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-27 19:07:52

End at: 2018-02-27 19:08:22

Below is generated by plot.py at 2018-02-27 22:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.42 Mbit/s

95th percentile per-packet one-way delay: 50.054 ms

Loss rate: 0.00%

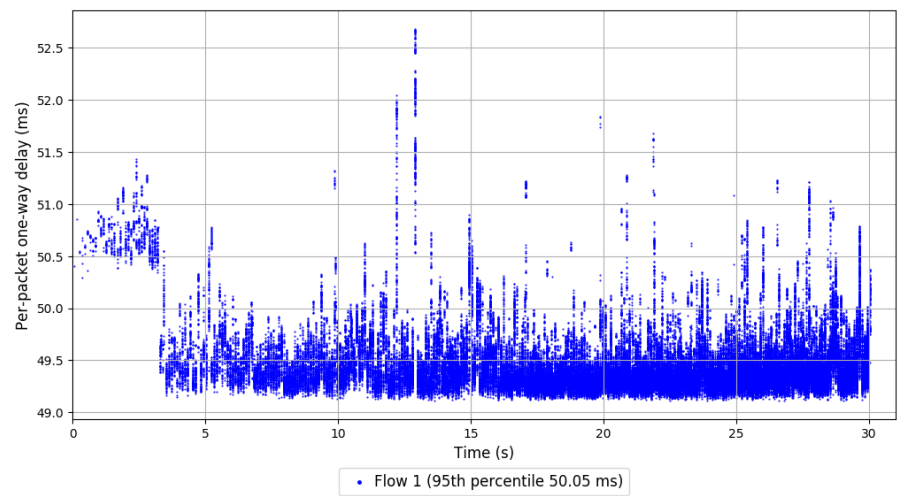
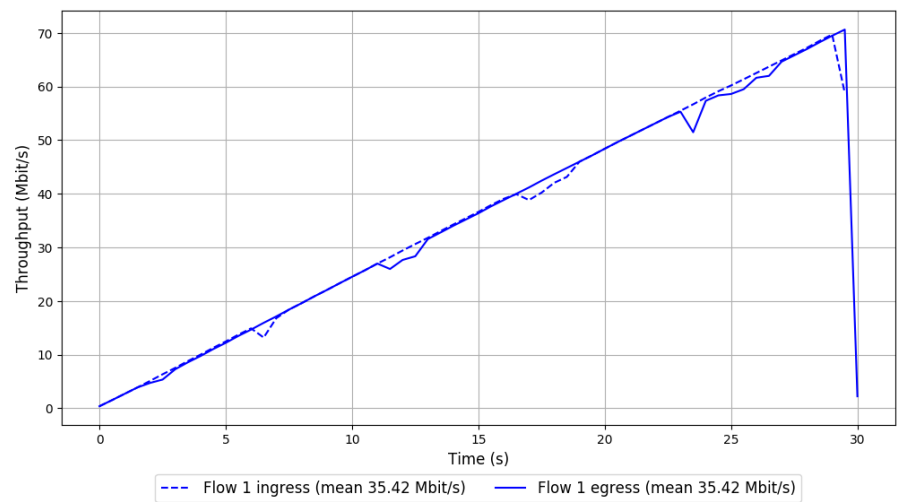
-- Flow 1:

Average throughput: 35.42 Mbit/s

95th percentile per-packet one-way delay: 50.054 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-02-27 17:06:07

End at: 2018-02-27 17:06:37

Below is generated by plot.py at 2018-02-27 22:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 364.97 Mbit/s

95th percentile per-packet one-way delay: 151.600 ms

Loss rate: 0.00%

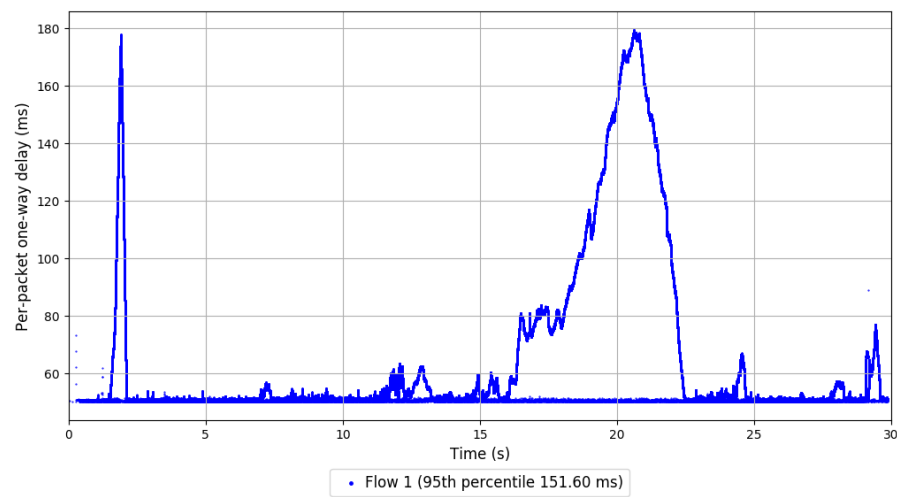
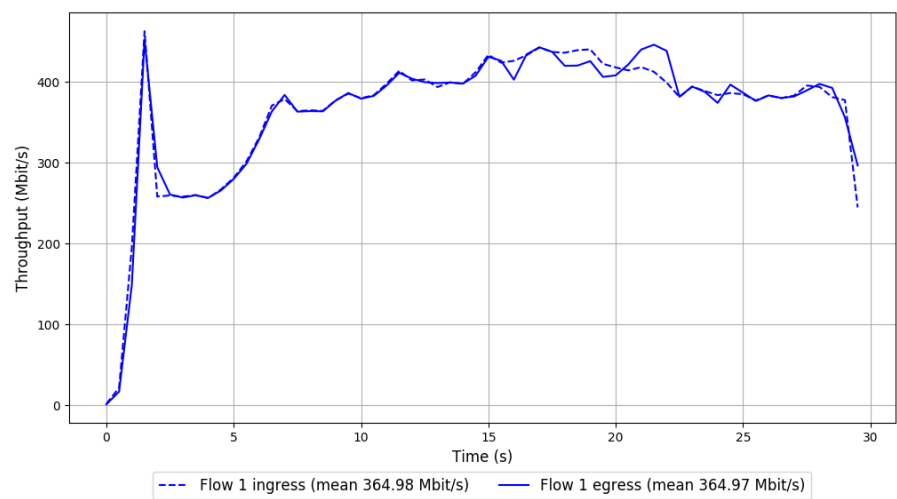
-- Flow 1:

Average throughput: 364.97 Mbit/s

95th percentile per-packet one-way delay: 151.600 ms

Loss rate: 0.00%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-27 17:20:34

End at: 2018-02-27 17:21:04

Below is generated by plot.py at 2018-02-27 22:16:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.69 Mbit/s

95th percentile per-packet one-way delay: 87.874 ms

Loss rate: 0.07%

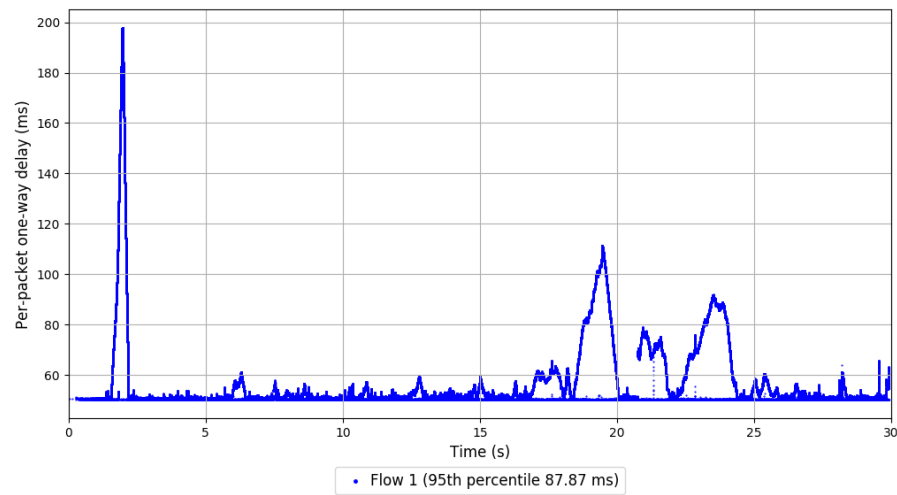
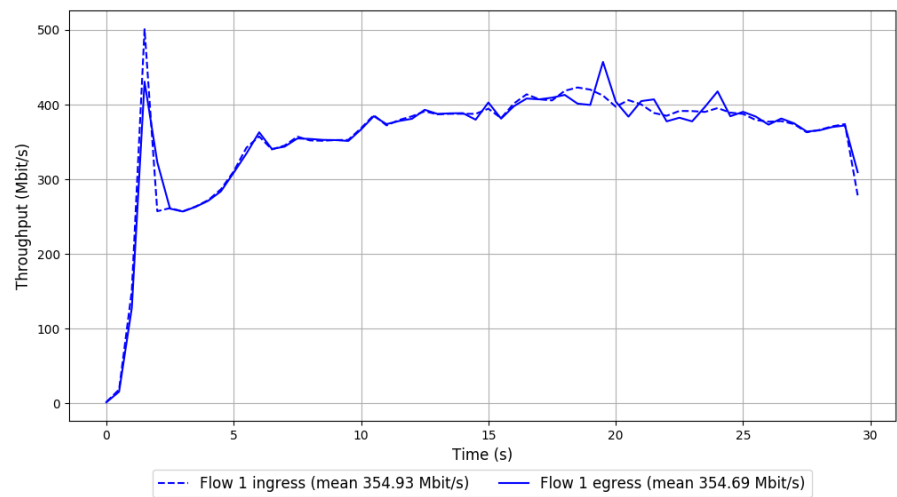
-- Flow 1:

Average throughput: 354.69 Mbit/s

95th percentile per-packet one-way delay: 87.874 ms

Loss rate: 0.07%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-27 17:35:09

End at: 2018-02-27 17:35:39

Below is generated by plot.py at 2018-02-27 22:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.99 Mbit/s

95th percentile per-packet one-way delay: 100.125 ms

Loss rate: 0.00%

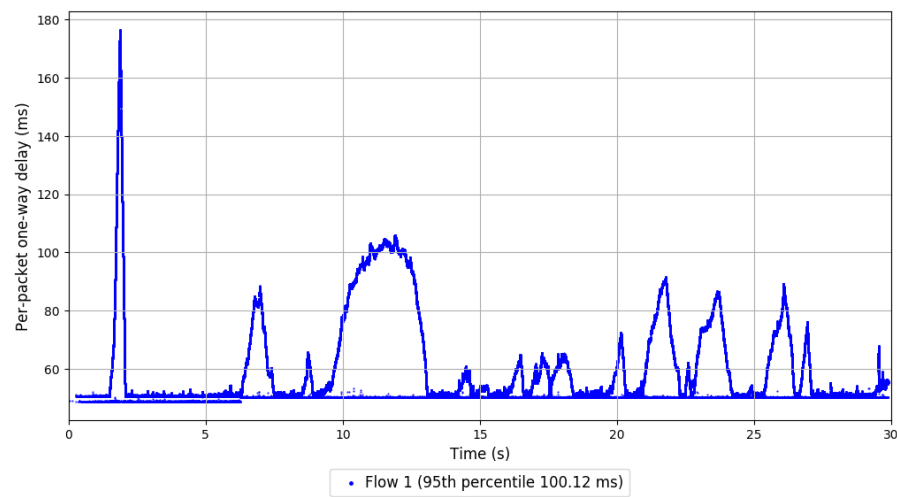
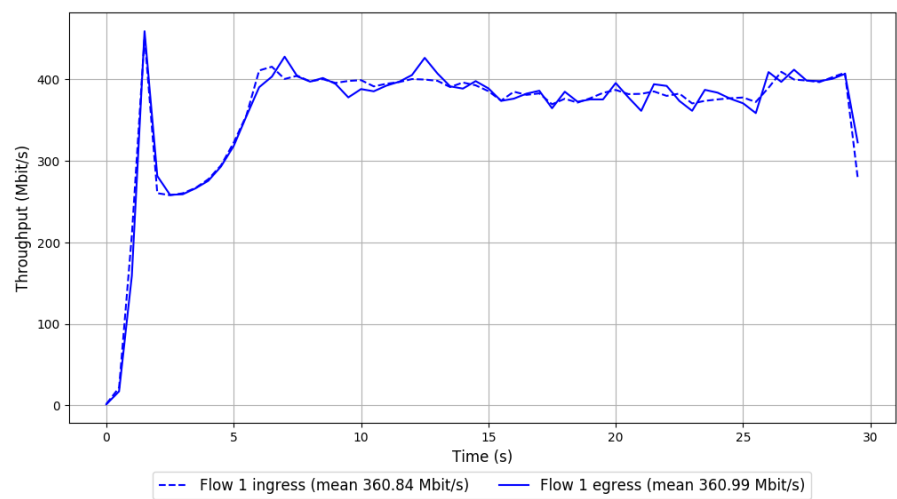
-- Flow 1:

Average throughput: 360.99 Mbit/s

95th percentile per-packet one-way delay: 100.125 ms

Loss rate: 0.00%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-27 17:49:38

End at: 2018-02-27 17:50:08

Below is generated by plot.py at 2018-02-27 22:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.13 Mbit/s

95th percentile per-packet one-way delay: 72.939 ms

Loss rate: 0.03%

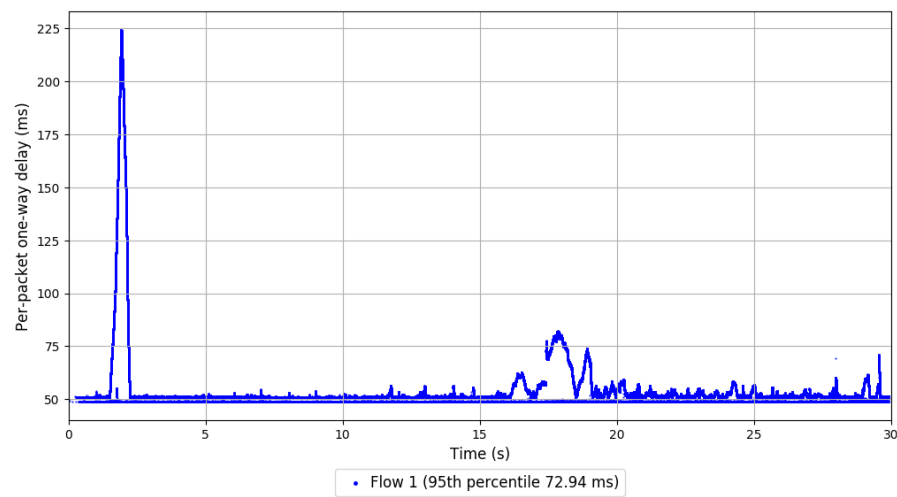
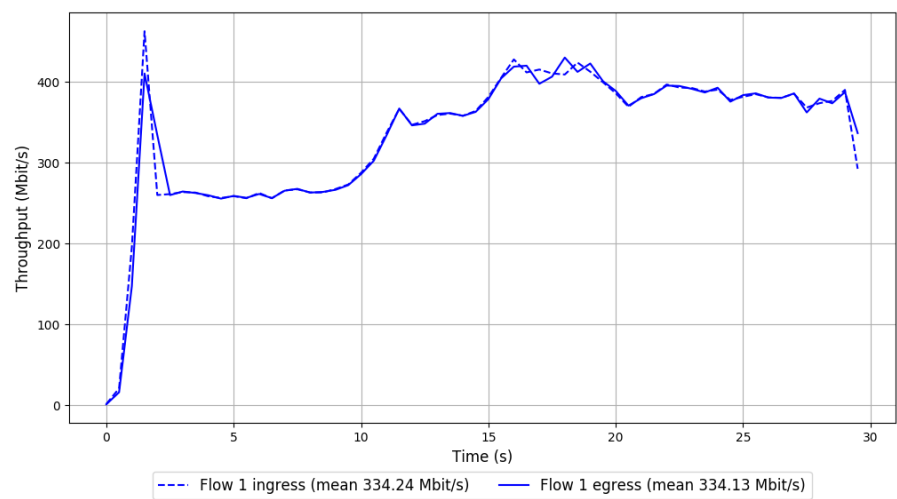
-- Flow 1:

Average throughput: 334.13 Mbit/s

95th percentile per-packet one-way delay: 72.939 ms

Loss rate: 0.03%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-27 18:04:02

End at: 2018-02-27 18:04:32

Below is generated by plot.py at 2018-02-27 22:16:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.59 Mbit/s

95th percentile per-packet one-way delay: 91.953 ms

Loss rate: 0.07%

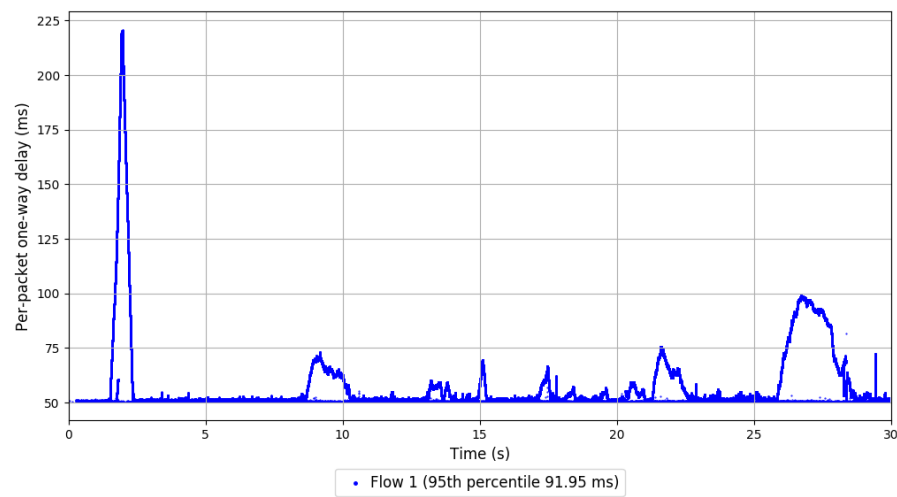
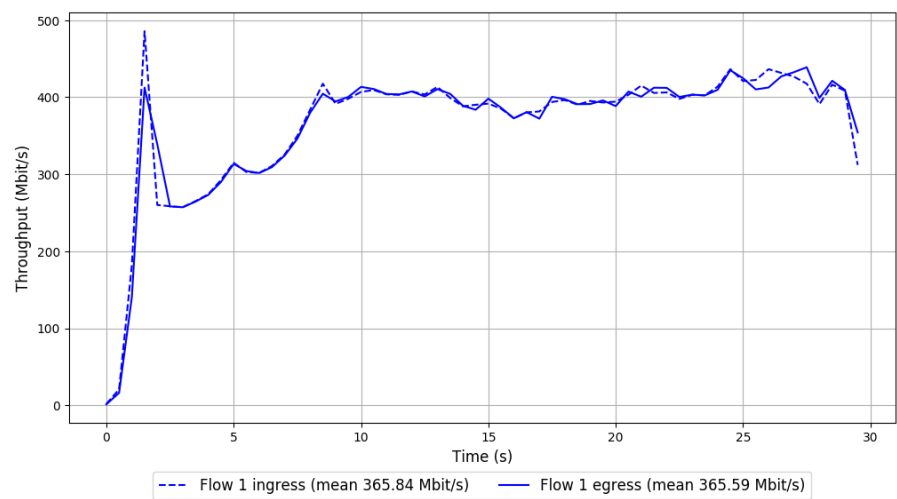
-- Flow 1:

Average throughput: 365.59 Mbit/s

95th percentile per-packet one-way delay: 91.953 ms

Loss rate: 0.07%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-27 18:18:27

End at: 2018-02-27 18:18:57

Below is generated by plot.py at 2018-02-27 22:17:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.78 Mbit/s

95th percentile per-packet one-way delay: 136.513 ms

Loss rate: 0.27%

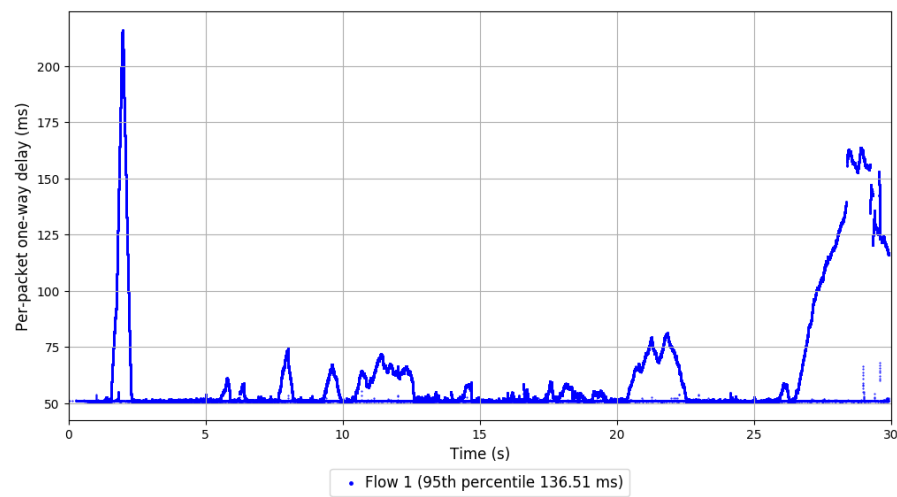
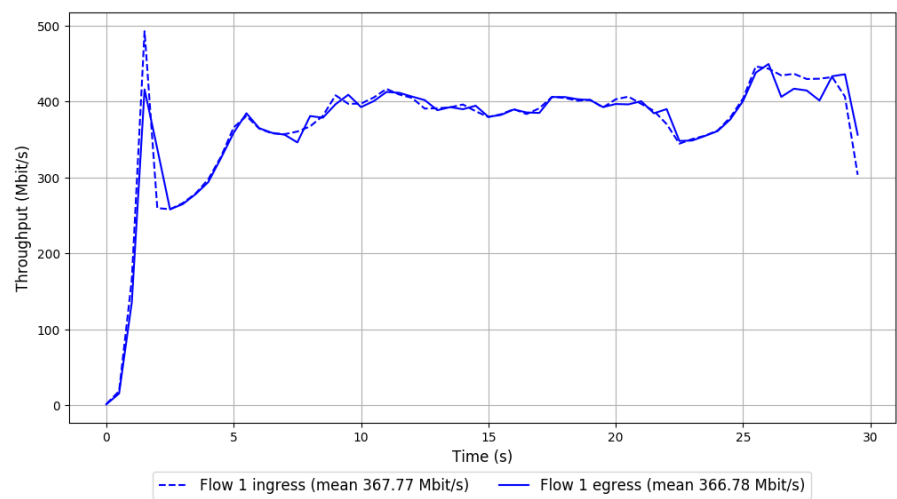
-- Flow 1:

Average throughput: 366.78 Mbit/s

95th percentile per-packet one-way delay: 136.513 ms

Loss rate: 0.27%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-27 18:32:53

End at: 2018-02-27 18:33:23

Below is generated by plot.py at 2018-02-27 22:17:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.19 Mbit/s

95th percentile per-packet one-way delay: 130.407 ms

Loss rate: 0.03%

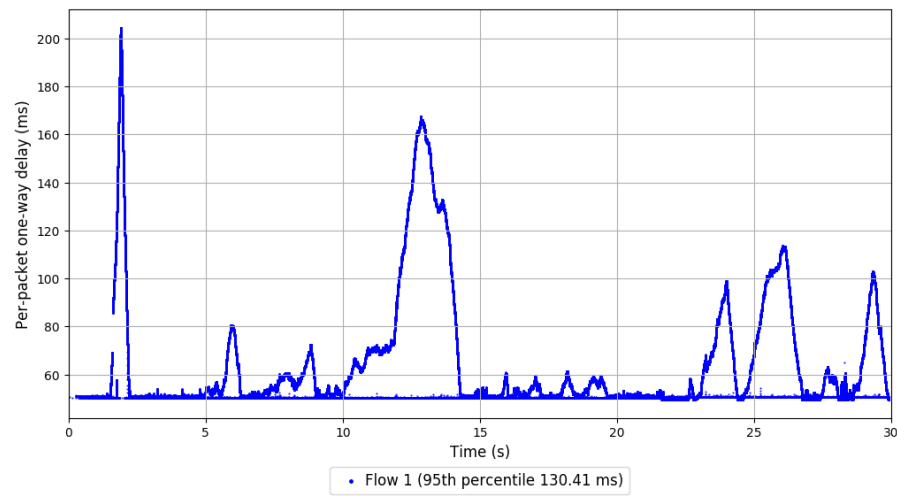
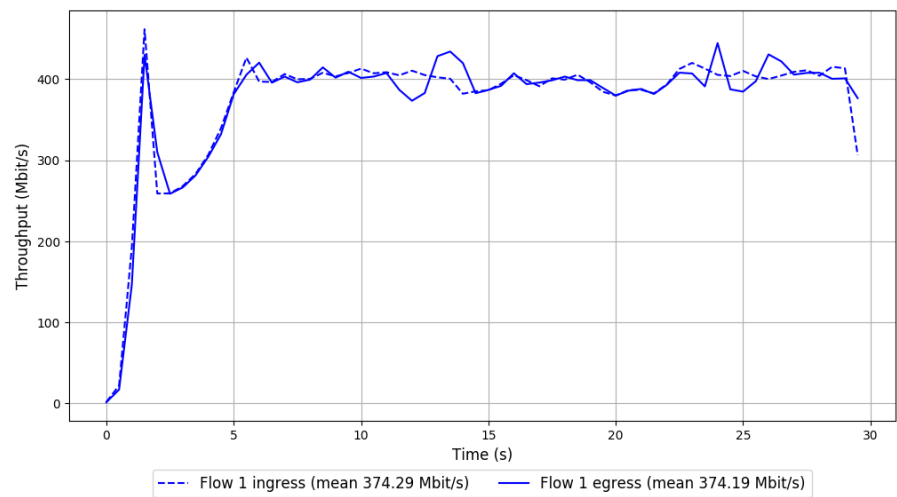
-- Flow 1:

Average throughput: 374.19 Mbit/s

95th percentile per-packet one-way delay: 130.407 ms

Loss rate: 0.03%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-27 18:47:31

End at: 2018-02-27 18:48:01

Below is generated by plot.py at 2018-02-27 22:18:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.57 Mbit/s

95th percentile per-packet one-way delay: 215.568 ms

Loss rate: 0.25%

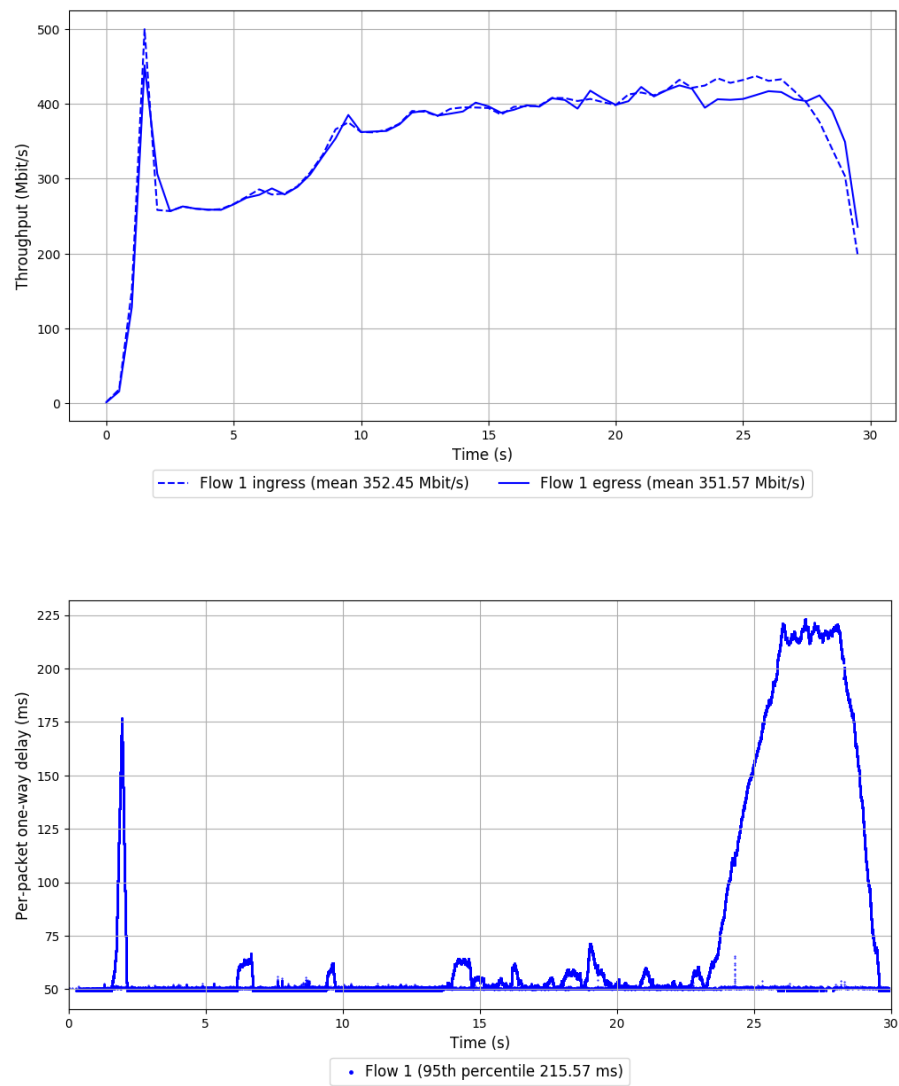
-- Flow 1:

Average throughput: 351.57 Mbit/s

95th percentile per-packet one-way delay: 215.568 ms

Loss rate: 0.25%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-27 19:02:07

End at: 2018-02-27 19:02:37

Below is generated by plot.py at 2018-02-27 22:24:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.82 Mbit/s

95th percentile per-packet one-way delay: 67.440 ms

Loss rate: 0.00%

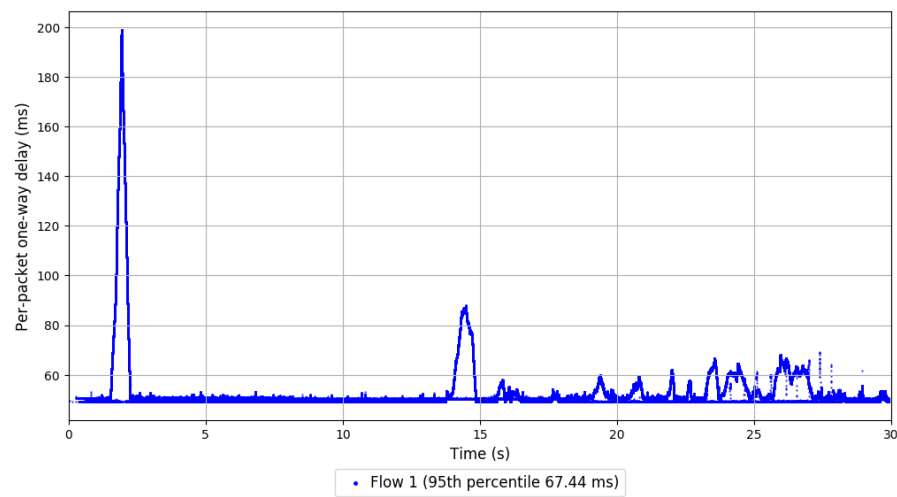
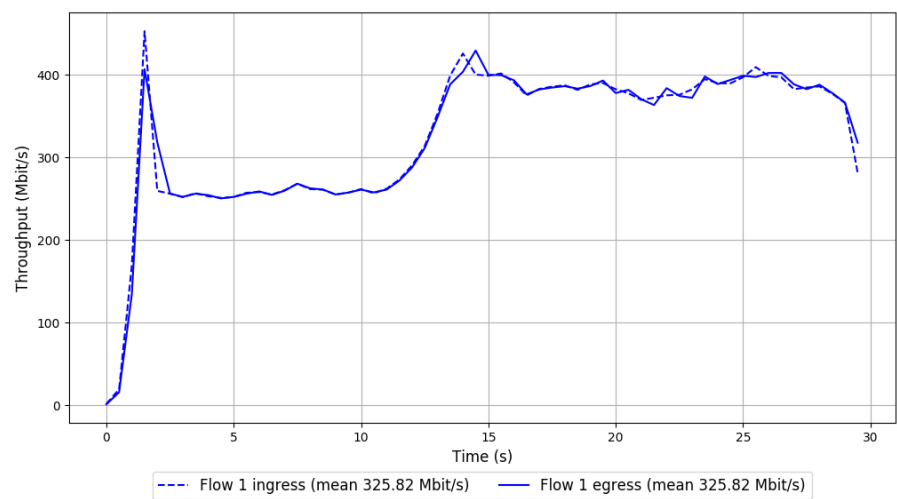
-- Flow 1:

Average throughput: 325.82 Mbit/s

95th percentile per-packet one-way delay: 67.440 ms

Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-27 19:16:48

End at: 2018-02-27 19:17:18

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 343.92 Mbit/s

95th percentile per-packet one-way delay: 65.789 ms

Loss rate: 0.02%

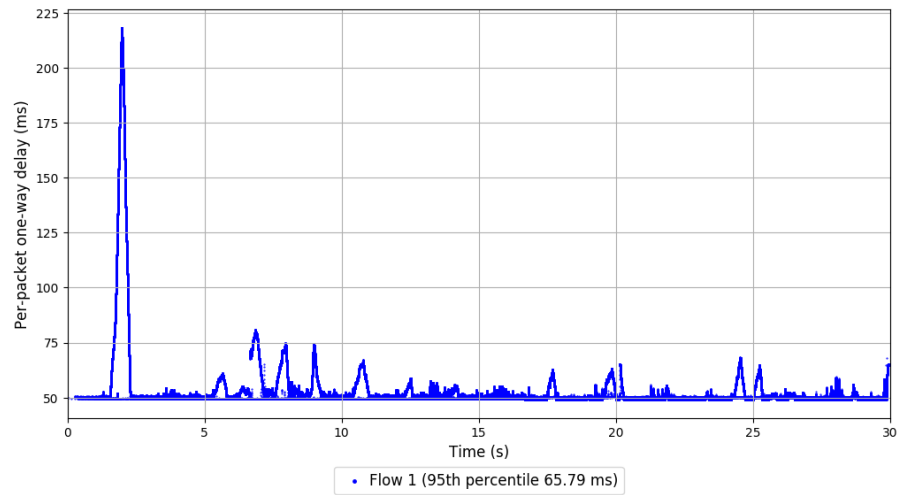
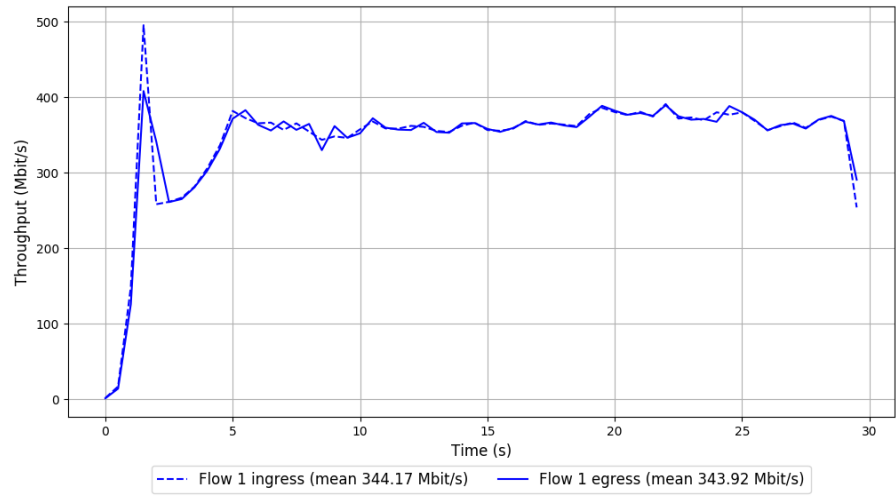
-- Flow 1:

Average throughput: 343.92 Mbit/s

95th percentile per-packet one-way delay: 65.789 ms

Loss rate: 0.02%

Run 10: Report of PCC — Data Link

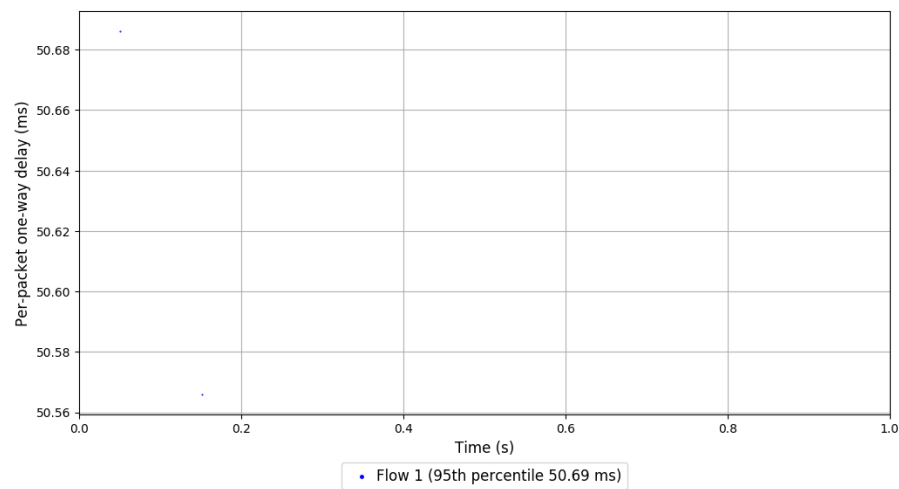
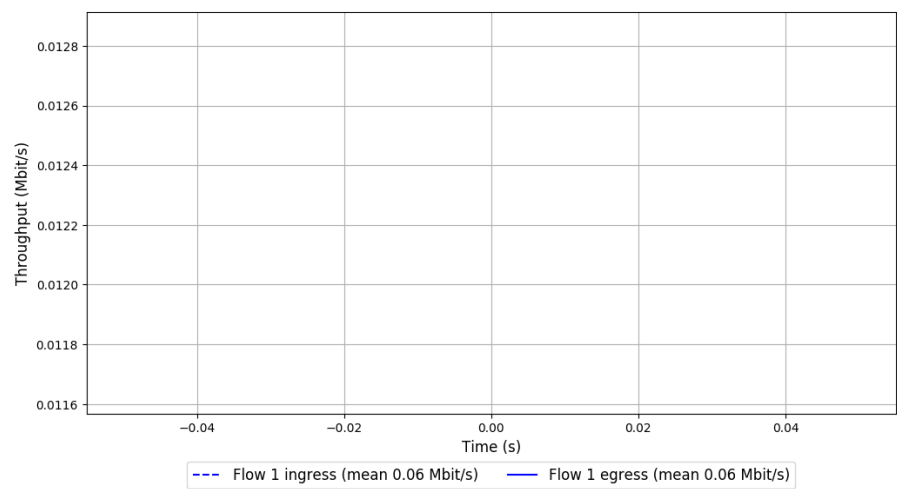


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-27 17:07:35

End at: 2018-02-27 17:08:05

Run 1: Report of QUIC Cubic — Data Link

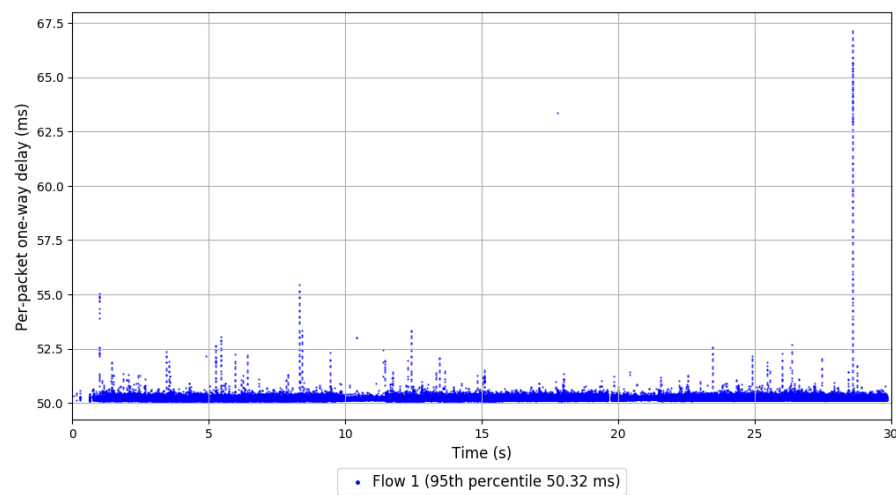
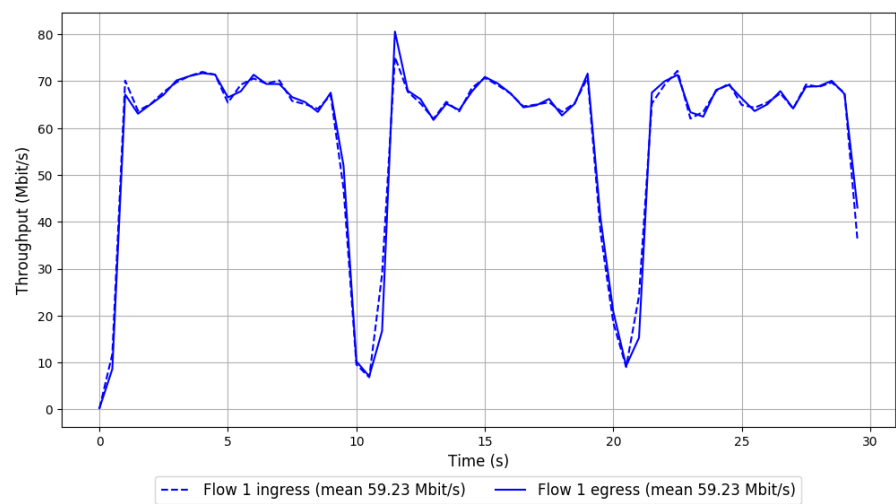


```
Run 2: Statistics of QUIC Cubic

Start at: 2018-02-27 17:22:02
End at: 2018-02-27 17:22:32

# Below is generated by plot.py at 2018-02-27 22:24:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 50.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 50.321 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

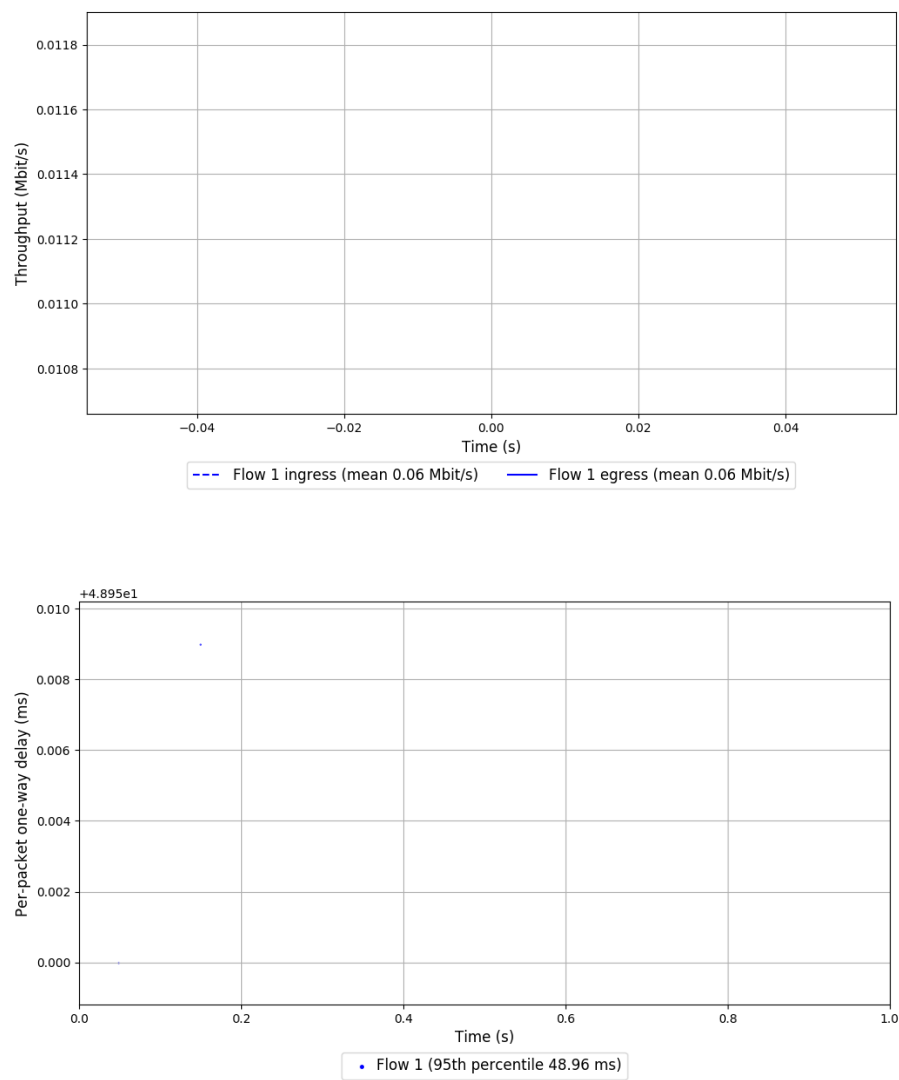


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-27 17:36:37

End at: 2018-02-27 17:37:07

Run 3: Report of QUIC Cubic — Data Link

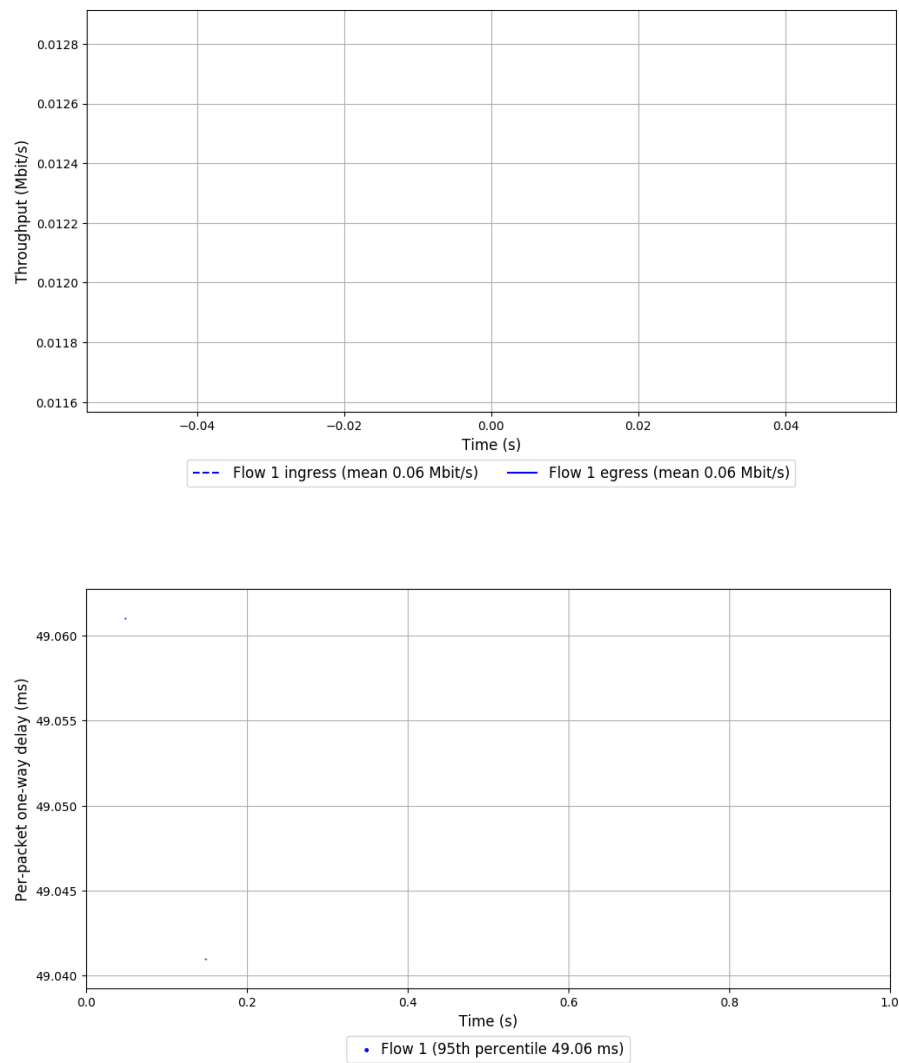


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-27 17:51:04

End at: 2018-02-27 17:51:34

Run 4: Report of QUIC Cubic — Data Link

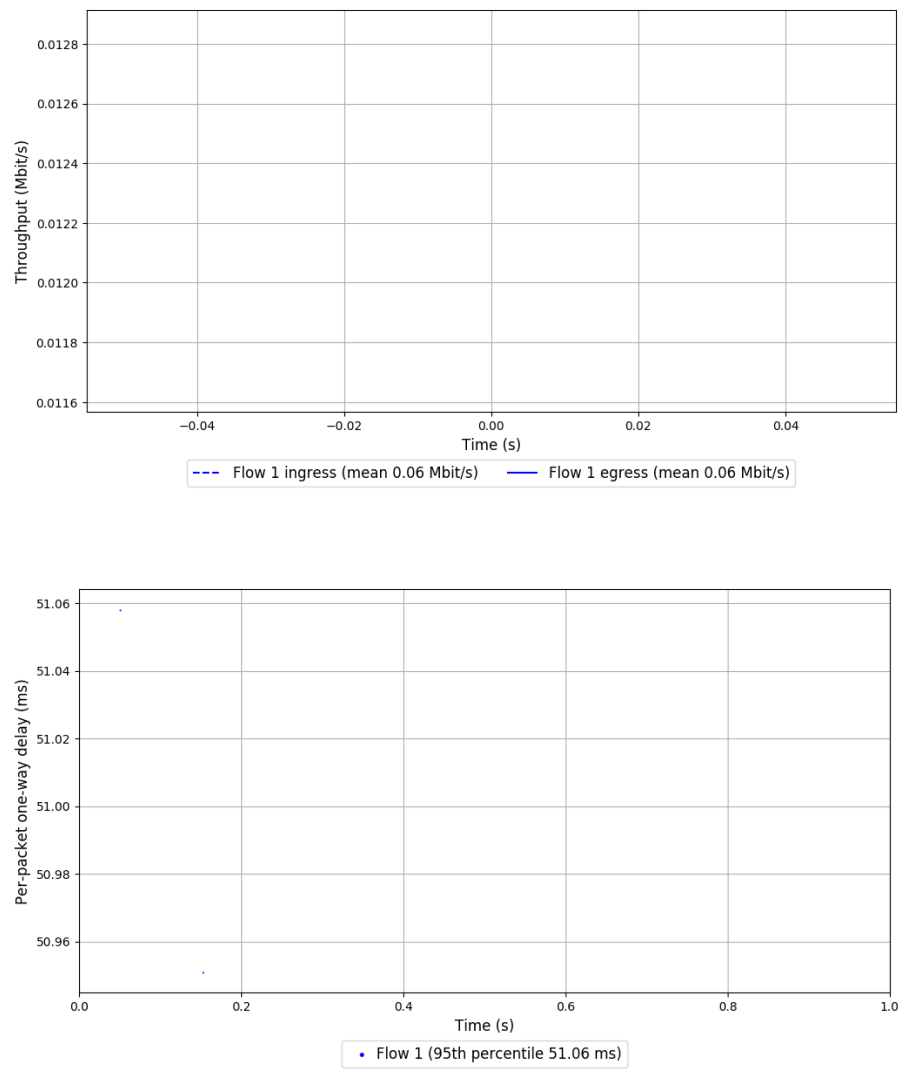


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-27 18:05:30

End at: 2018-02-27 18:06:00

Run 5: Report of QUIC Cubic — Data Link

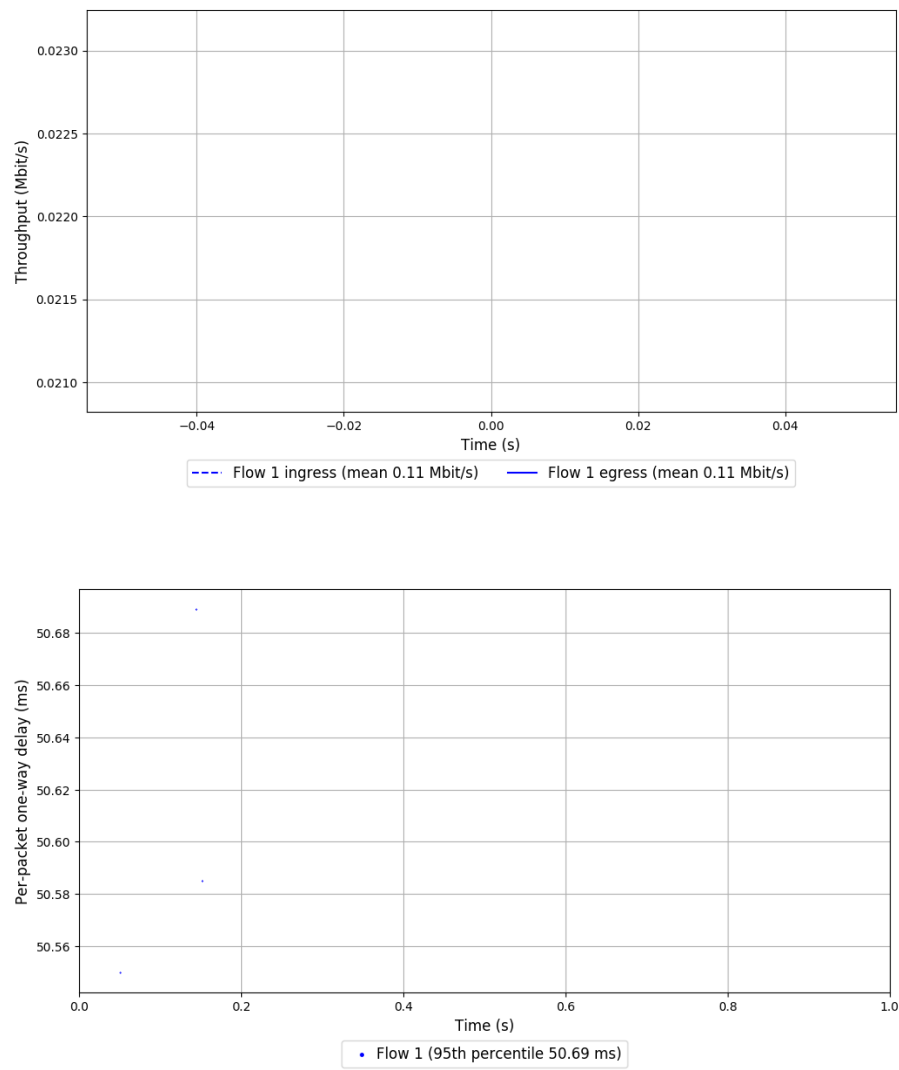


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-27 18:19:55

End at: 2018-02-27 18:20:25

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-27 18:34:21

End at: 2018-02-27 18:34:51

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.52 Mbit/s

95th percentile per-packet one-way delay: 50.802 ms

Loss rate: 0.00%

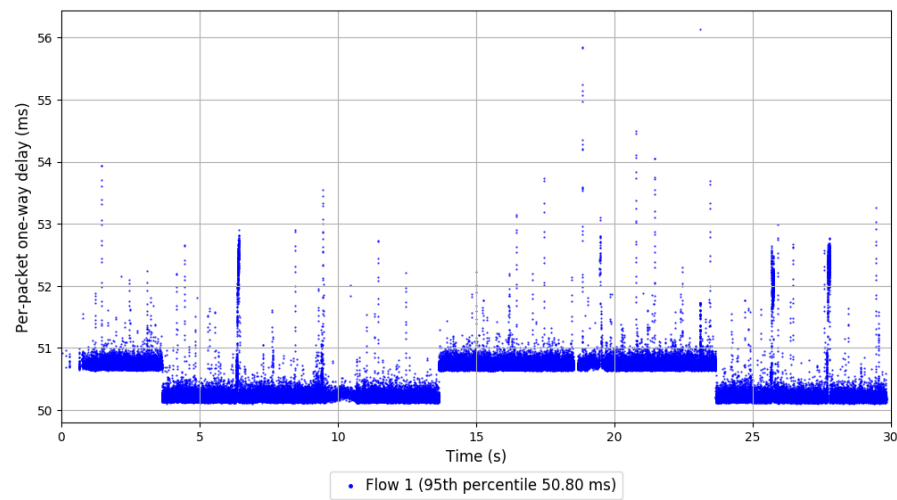
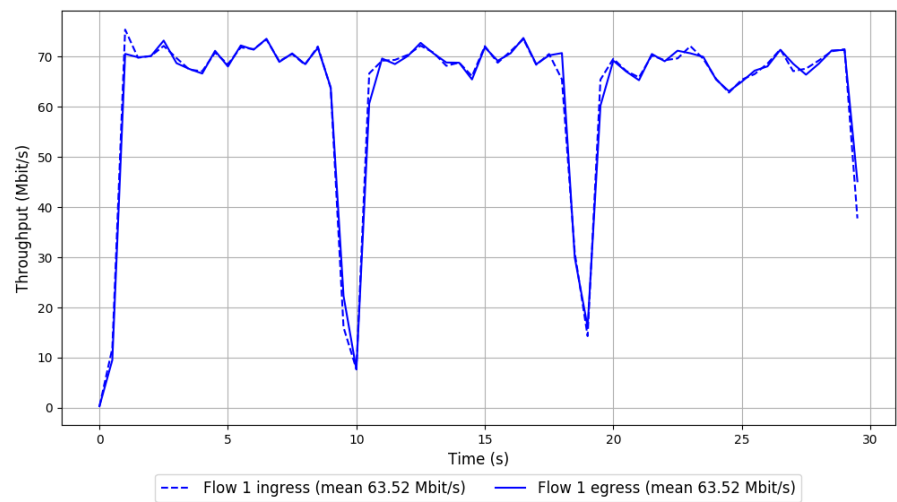
-- Flow 1:

Average throughput: 63.52 Mbit/s

95th percentile per-packet one-way delay: 50.802 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-27 18:48:59

End at: 2018-02-27 18:49:29

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.39 Mbit/s

95th percentile per-packet one-way delay: 48.654 ms

Loss rate: 0.00%

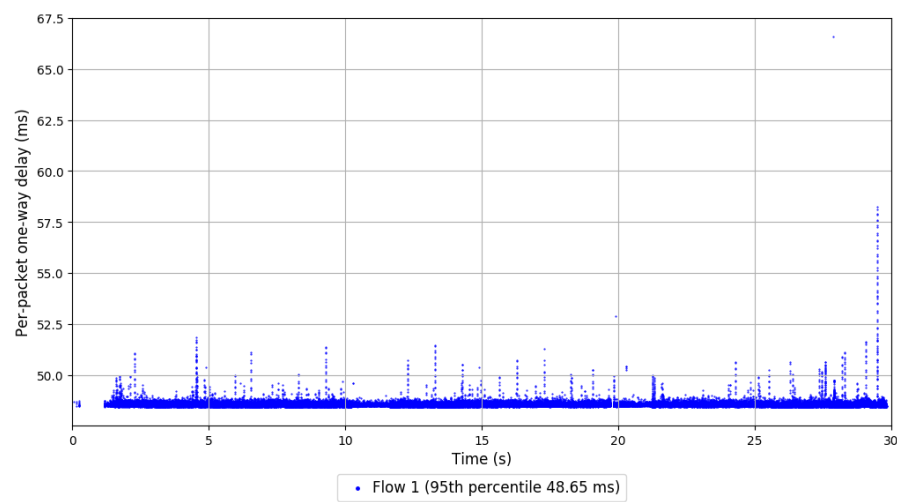
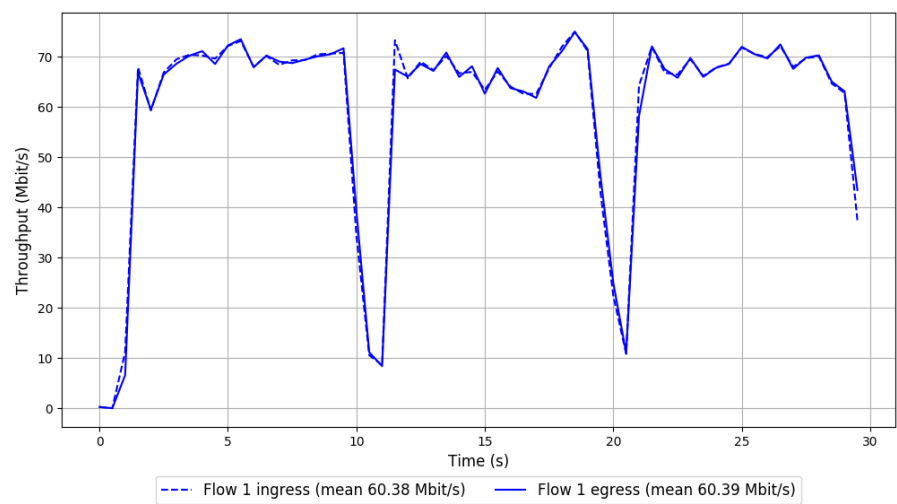
-- Flow 1:

Average throughput: 60.39 Mbit/s

95th percentile per-packet one-way delay: 48.654 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

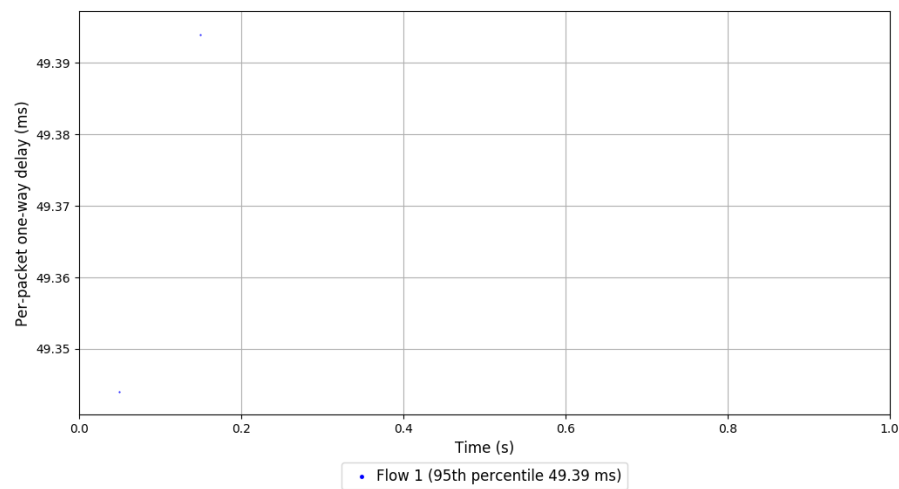
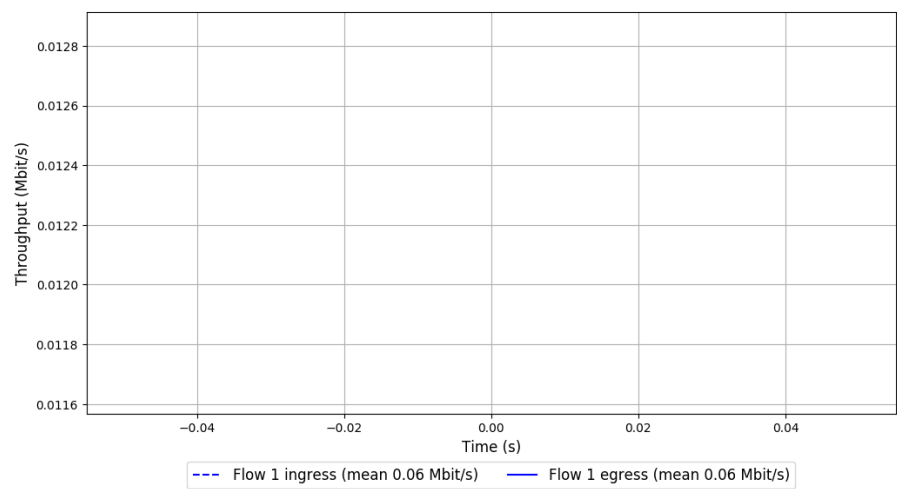


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-27 19:03:34

End at: 2018-02-27 19:04:04

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-27 19:18:17

End at: 2018-02-27 19:18:47

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.97 Mbit/s

95th percentile per-packet one-way delay: 50.202 ms

Loss rate: 0.00%

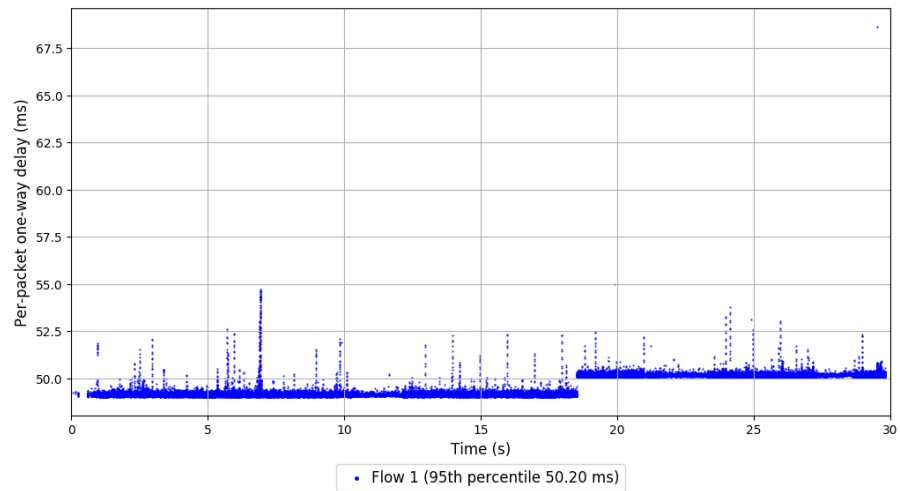
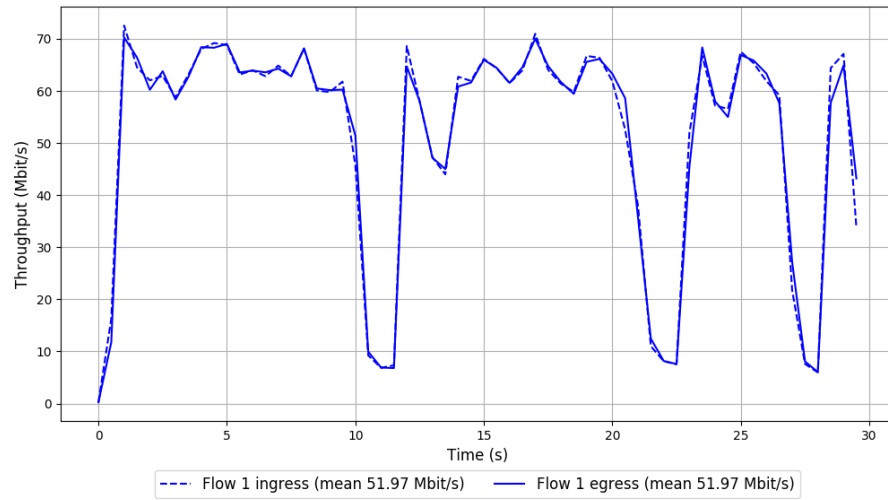
-- Flow 1:

Average throughput: 51.97 Mbit/s

95th percentile per-packet one-way delay: 50.202 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

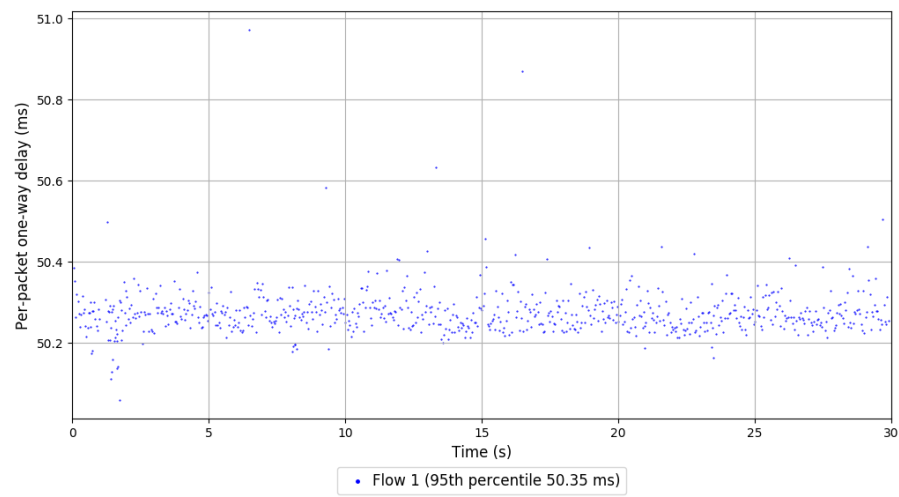
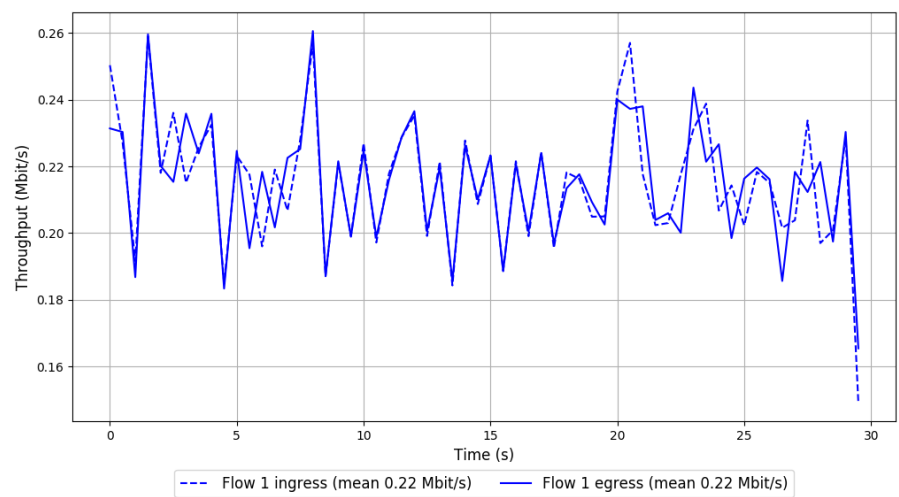


```
Run 1: Statistics of SCReAM

Start at: 2018-02-27 17:01:56
End at: 2018-02-27 17:02:26

# Below is generated by plot.py at 2018-02-27 22:24:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.351 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-02-27 17:16:24

End at: 2018-02-27 17:16:54

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.830 ms

Loss rate: 0.00%

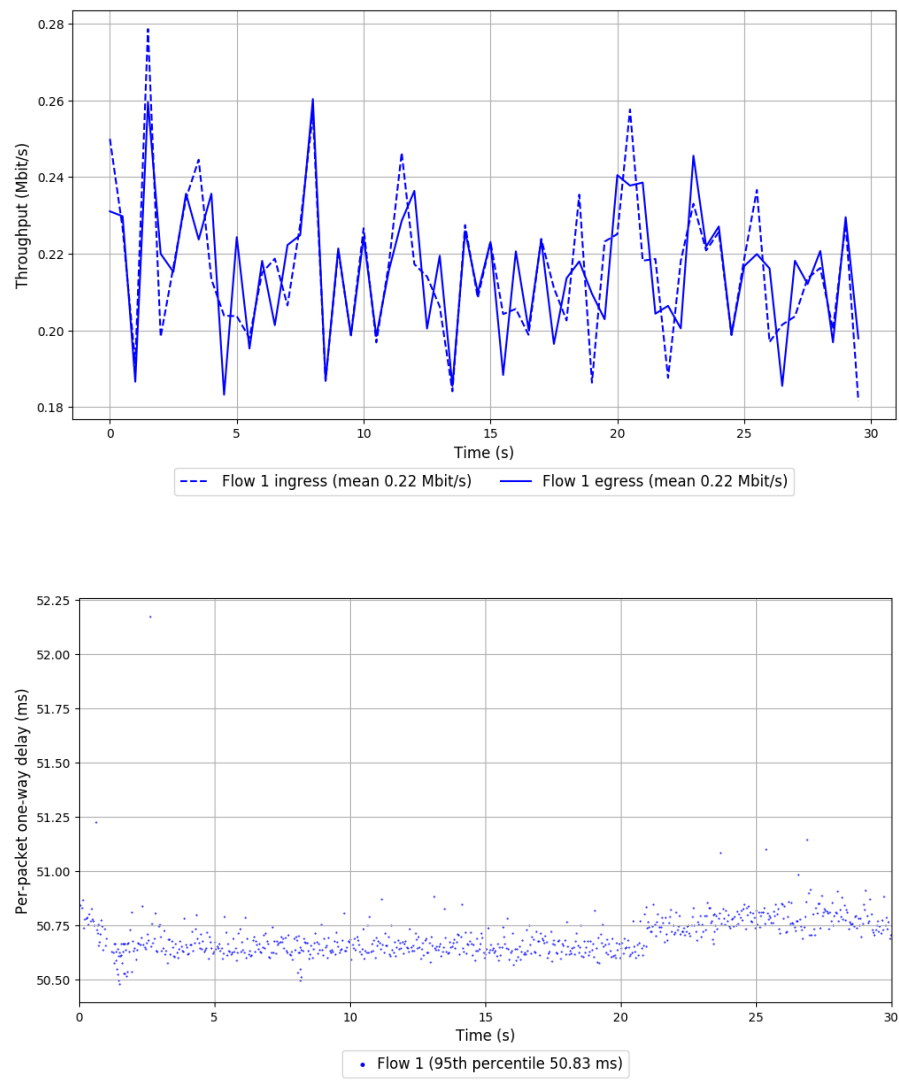
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.830 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-27 17:30:56

End at: 2018-02-27 17:31:26

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.223 ms

Loss rate: 0.00%

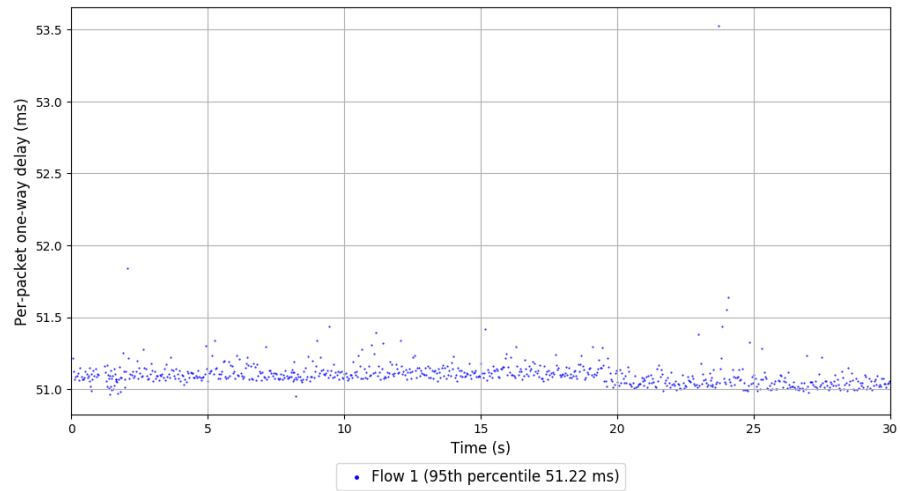
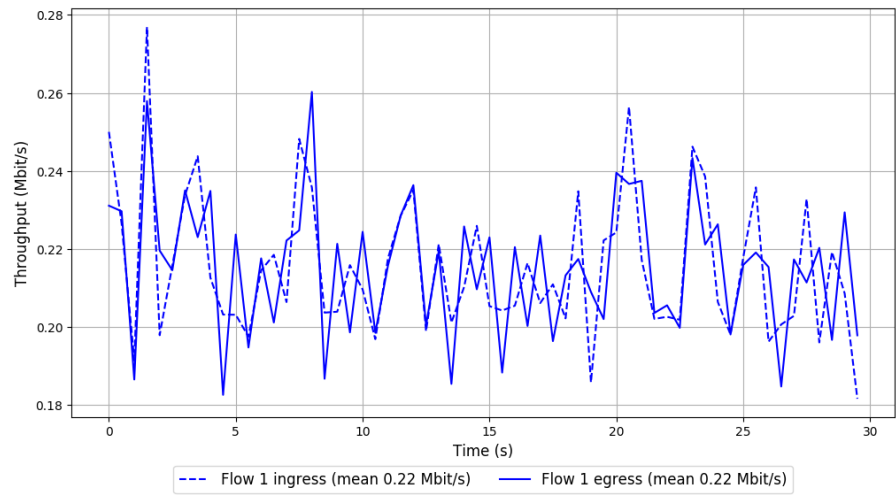
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.223 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-27 17:45:29

End at: 2018-02-27 17:45:59

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.266 ms

Loss rate: 0.00%

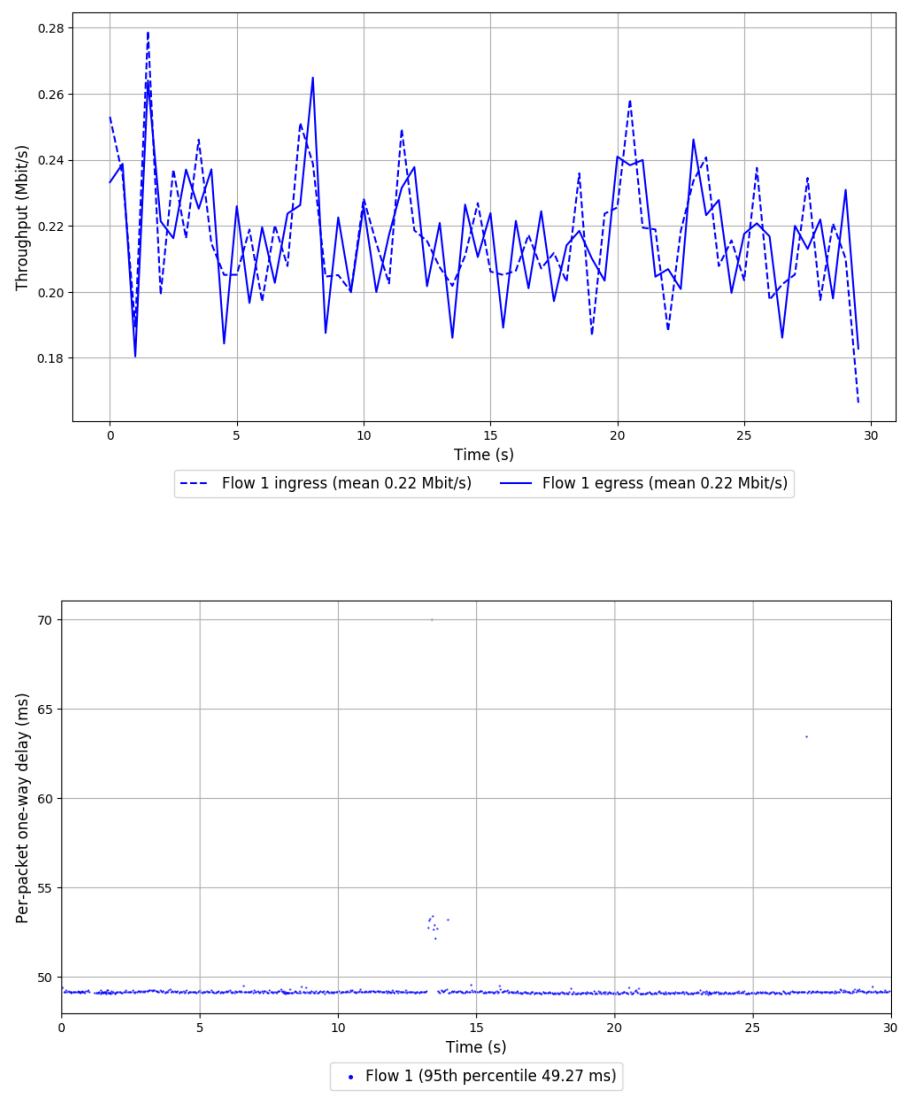
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.266 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-27 17:59:51

End at: 2018-02-27 18:00:21

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.010 ms

Loss rate: 0.00%

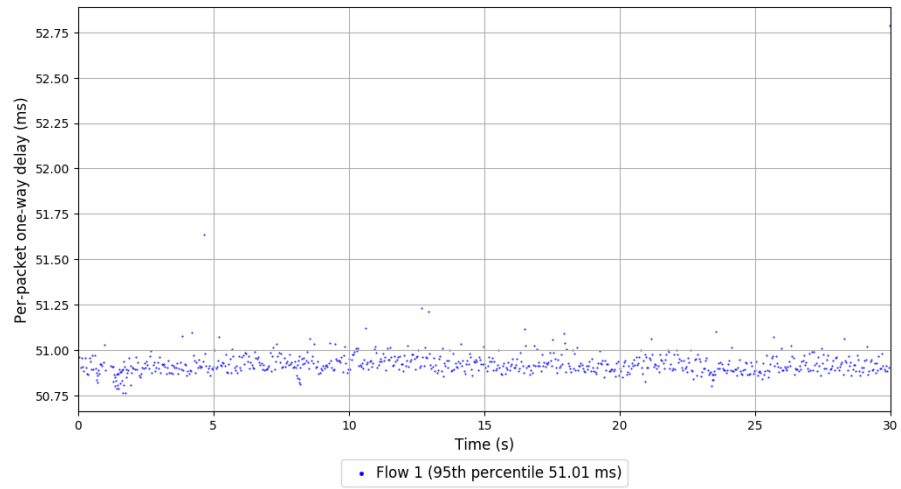
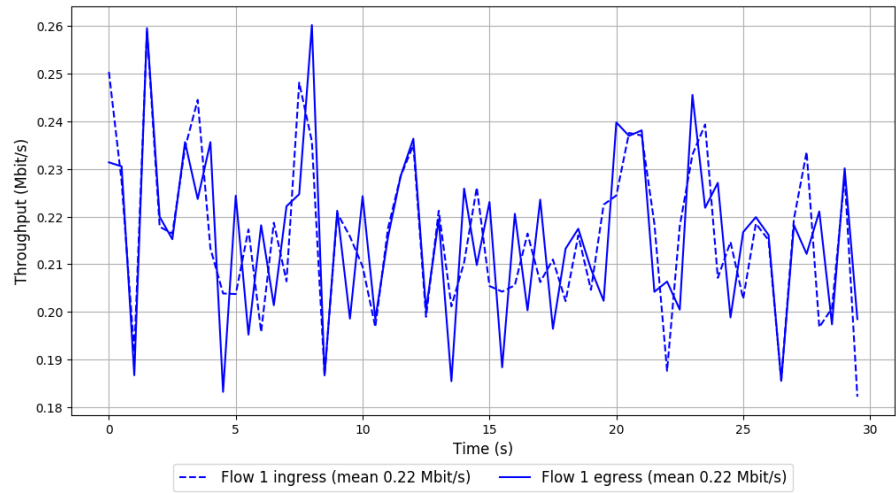
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.010 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-27 18:14:19

End at: 2018-02-27 18:14:49

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.273 ms

Loss rate: 0.00%

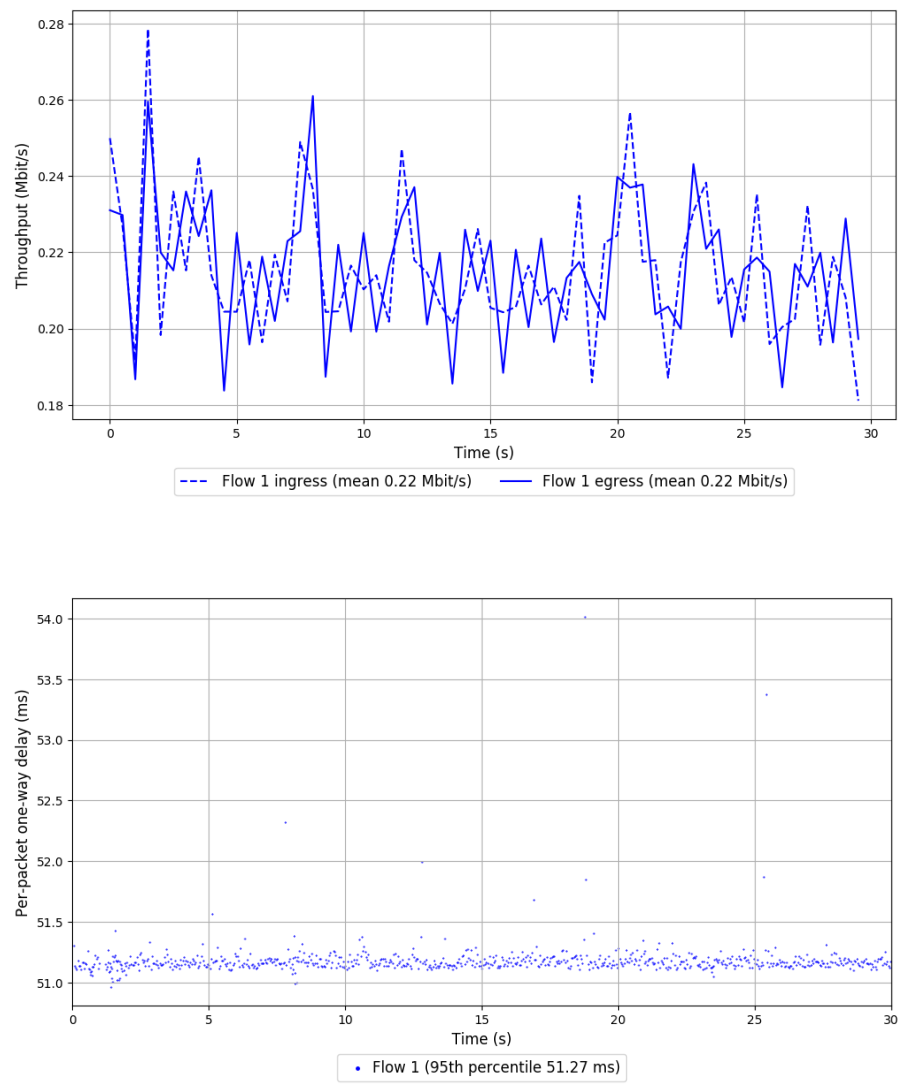
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.273 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-02-27 18:28:45

End at: 2018-02-27 18:29:15

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.622 ms

Loss rate: 0.00%

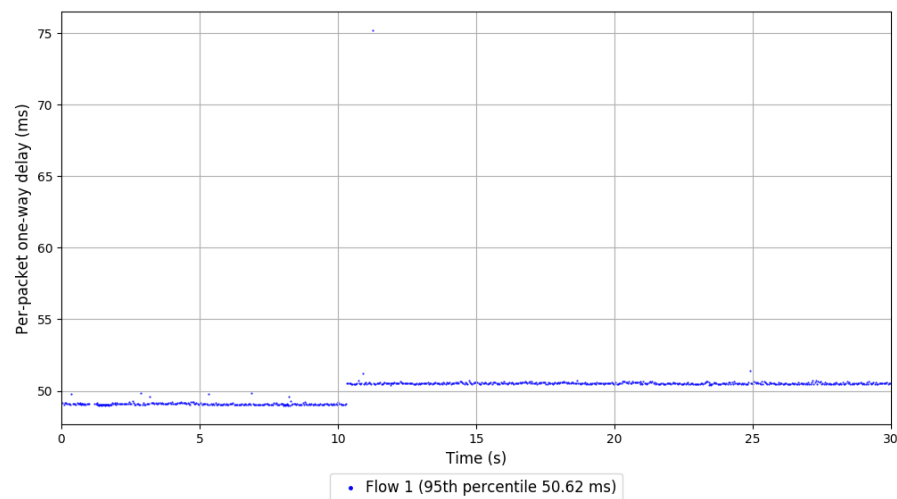
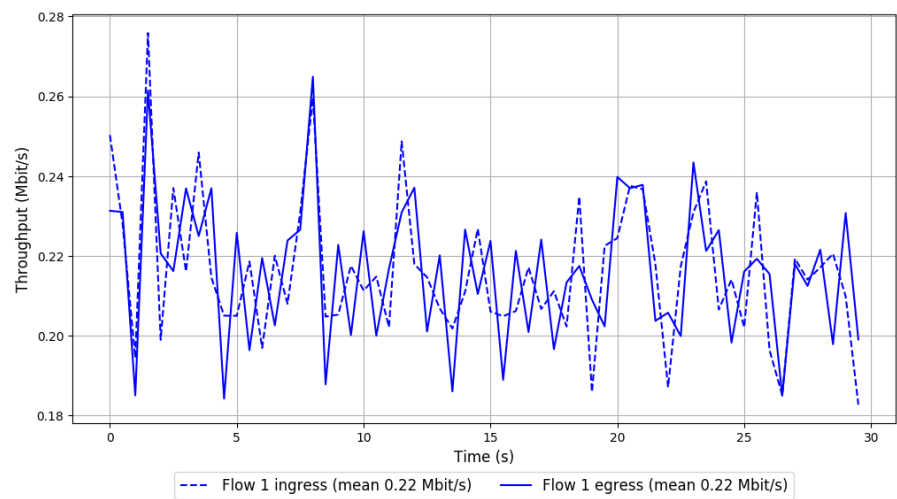
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.622 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-27 18:43:20

End at: 2018-02-27 18:43:50

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.871 ms

Loss rate: 0.00%

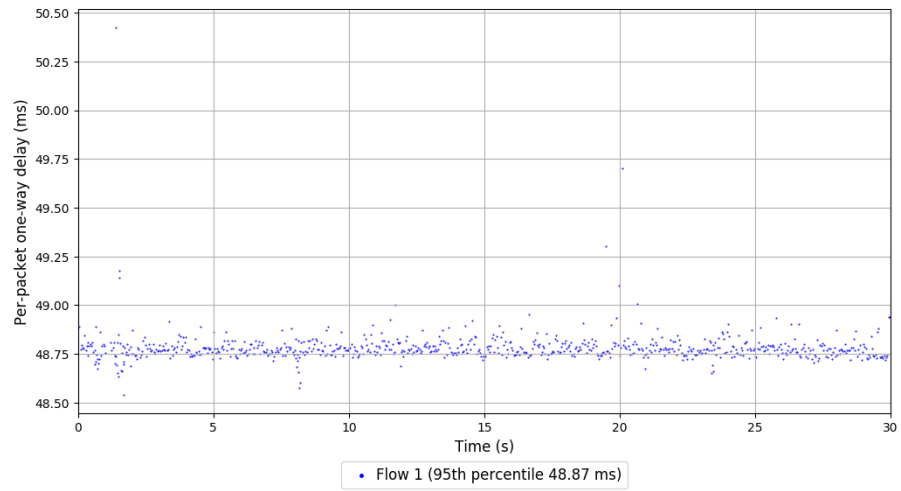
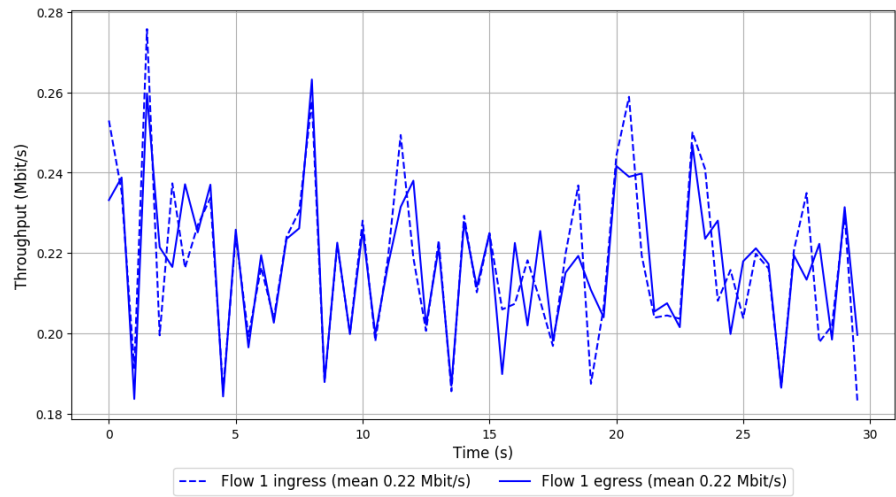
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.871 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-27 18:57:55

End at: 2018-02-27 18:58:25

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.203 ms

Loss rate: 0.00%

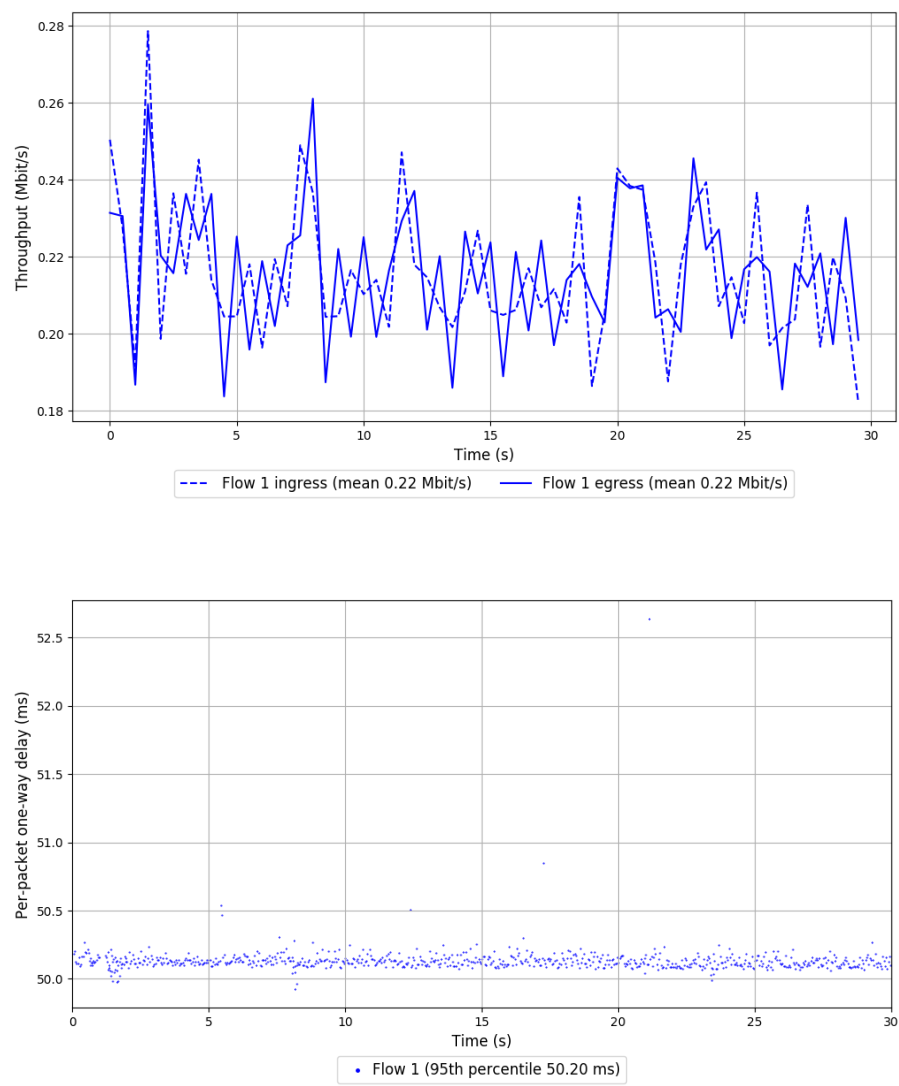
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.203 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-27 19:12:33

End at: 2018-02-27 19:13:03

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.992 ms

Loss rate: 0.00%

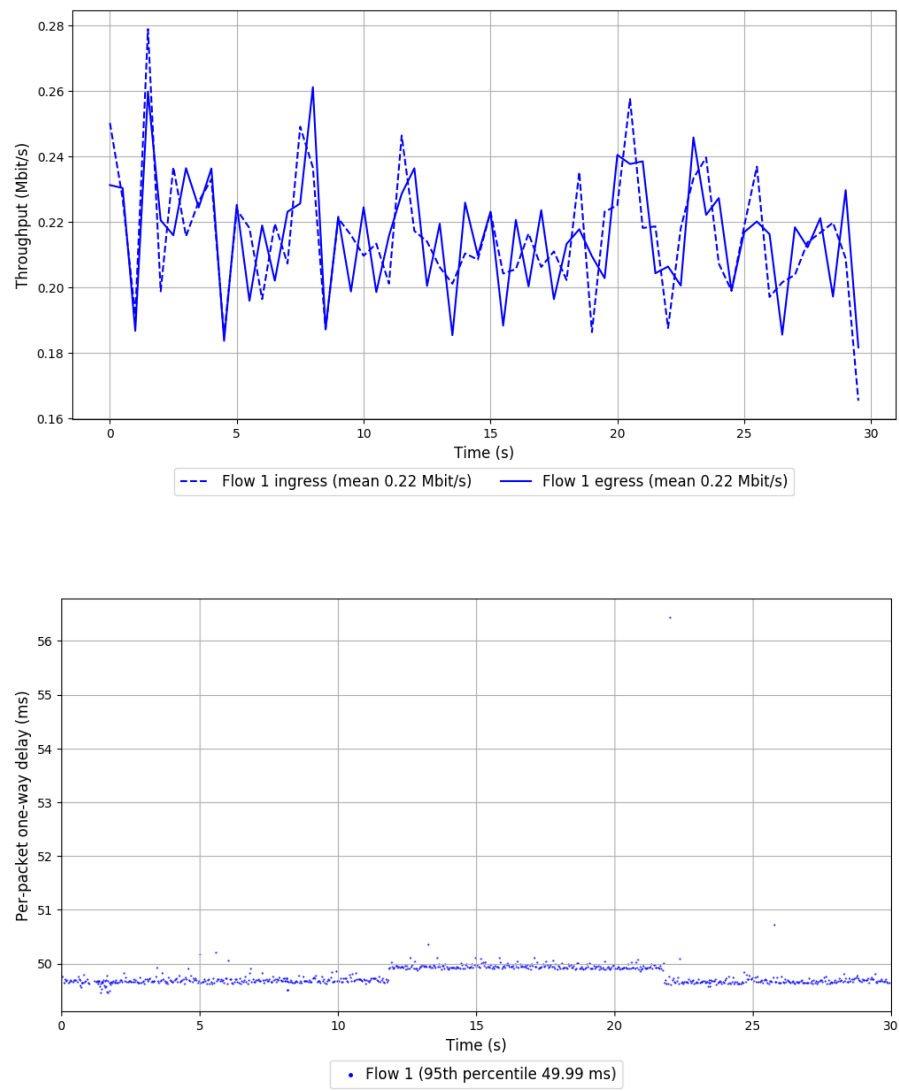
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.992 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

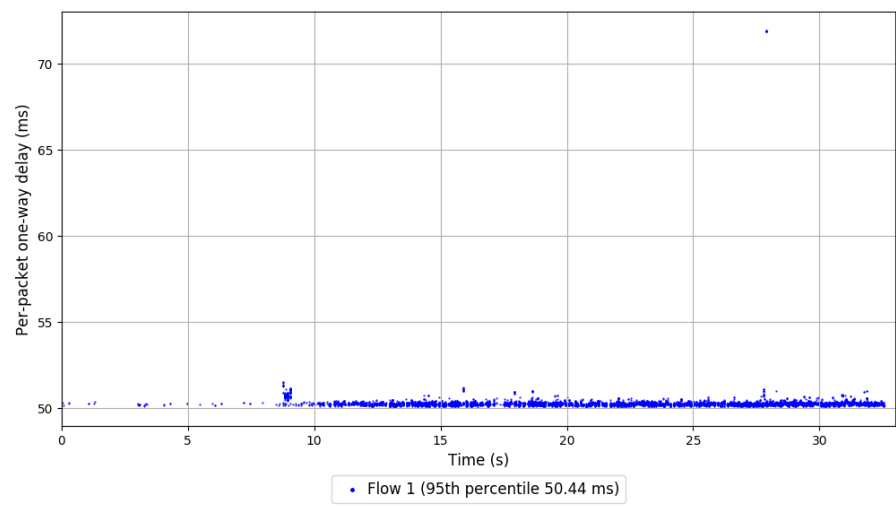
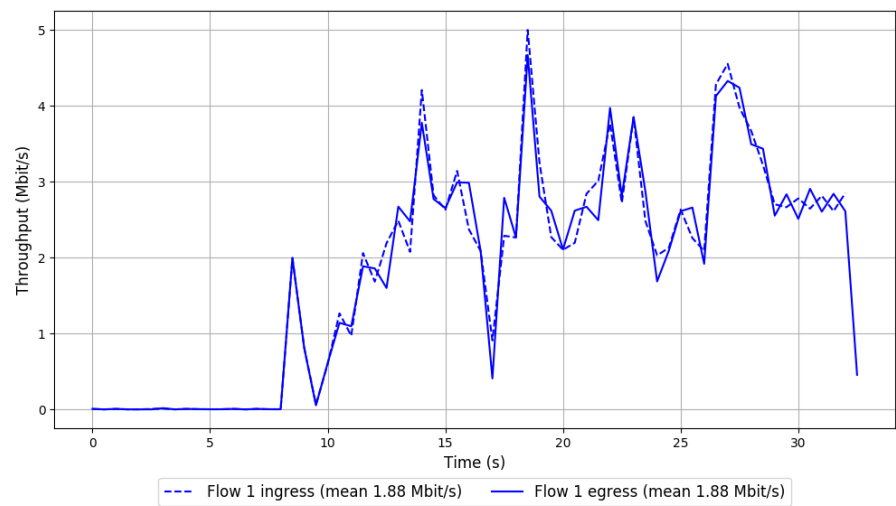


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-27 17:05:30
End at: 2018-02-27 17:06:00

# Below is generated by plot.py at 2018-02-27 22:24:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-27 17:19:57

End at: 2018-02-27 17:20:27

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 51.018 ms

Loss rate: 0.00%

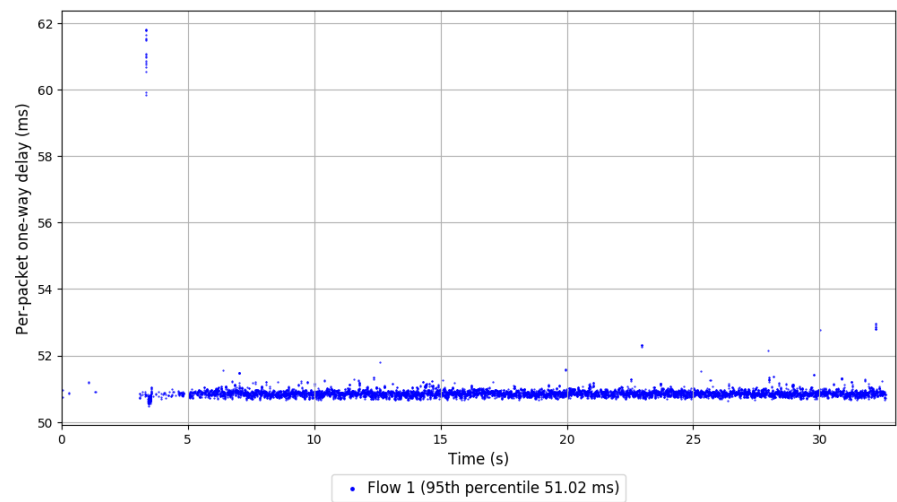
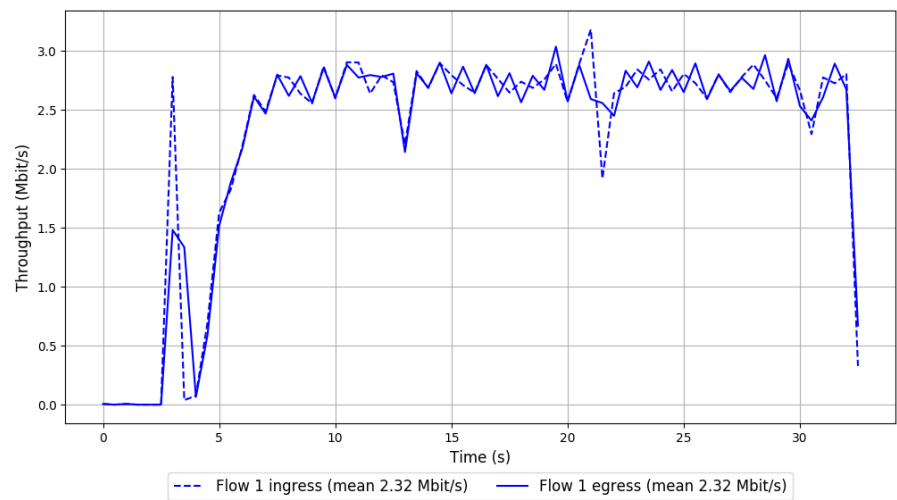
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 51.018 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-27 17:34:32

End at: 2018-02-27 17:35:02

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 51.119 ms

Loss rate: 0.00%

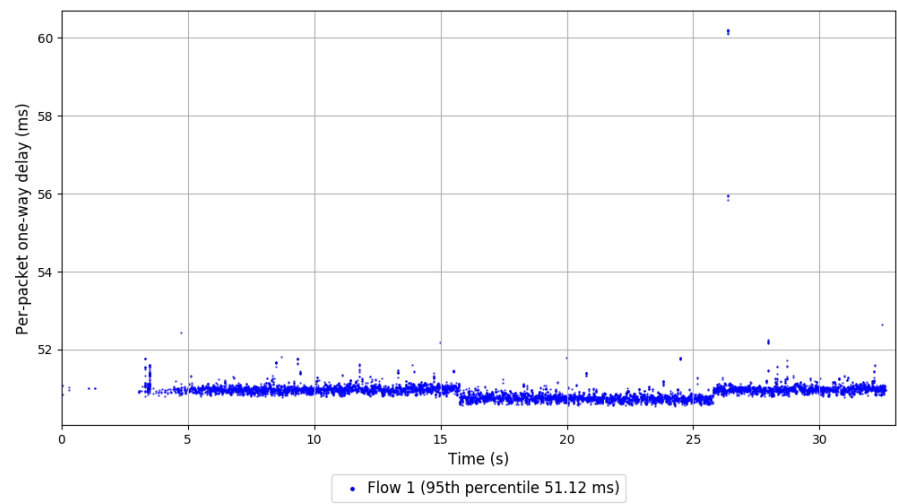
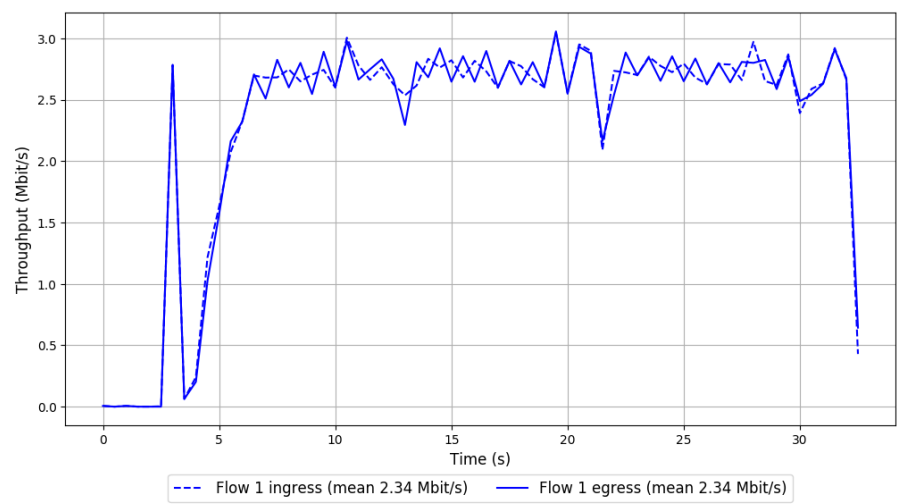
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 51.119 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-27 17:49:01

End at: 2018-02-27 17:49:31

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 51.144 ms

Loss rate: 0.03%

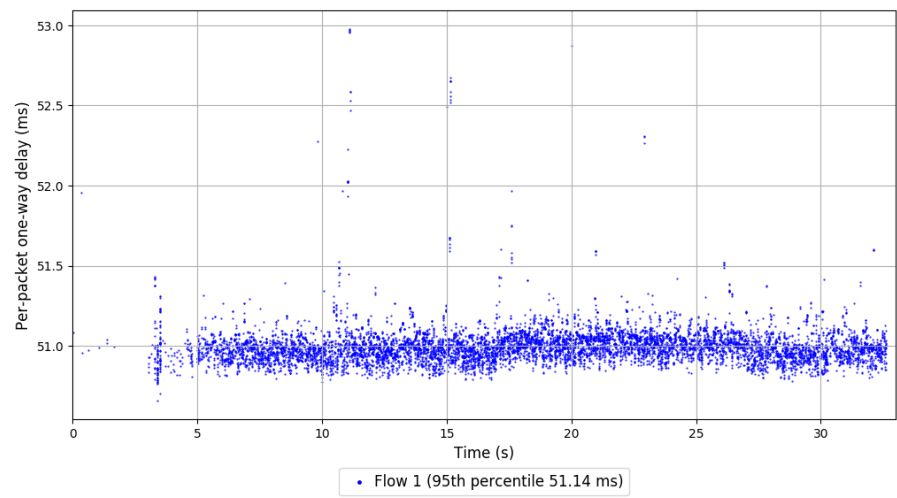
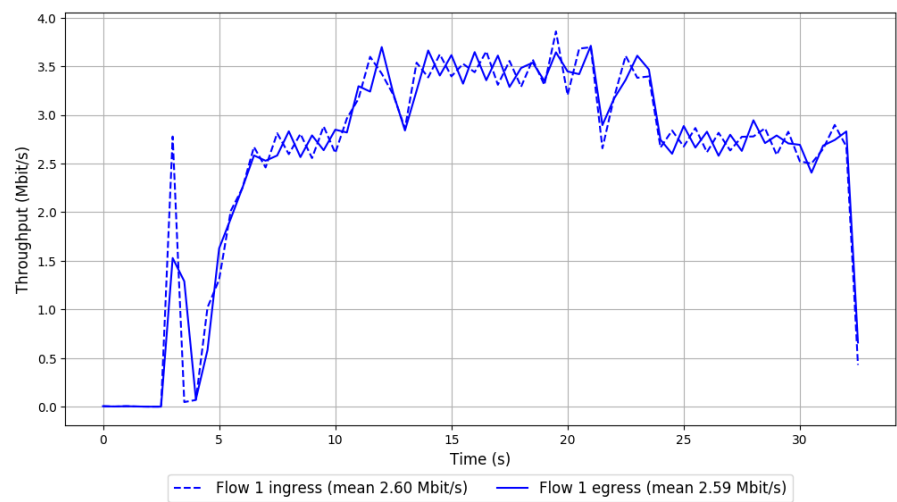
-- Flow 1:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 51.144 ms

Loss rate: 0.03%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-27 18:03:25

End at: 2018-02-27 18:03:55

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.09%

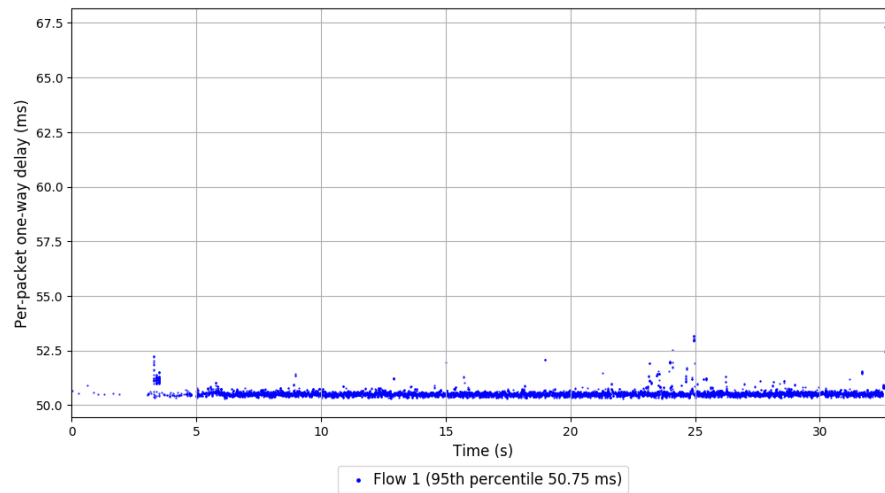
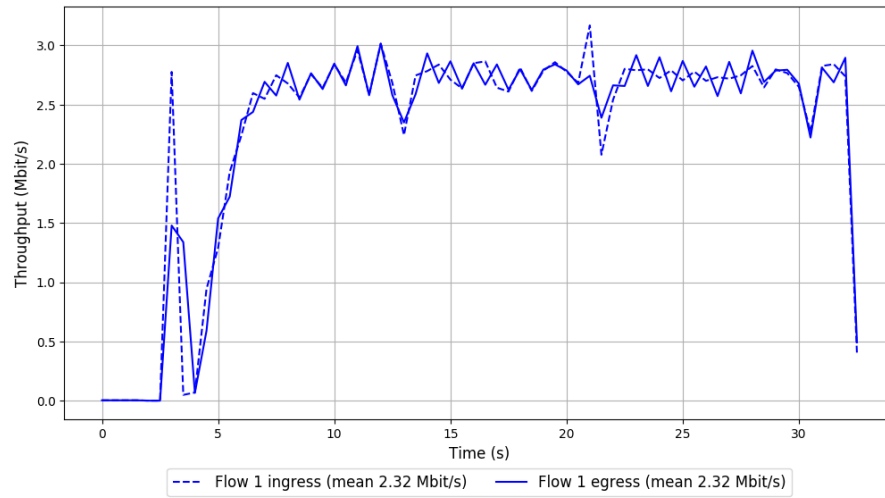
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.09%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-27 18:17:50

End at: 2018-02-27 18:18:20

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 51.339 ms

Loss rate: 0.00%

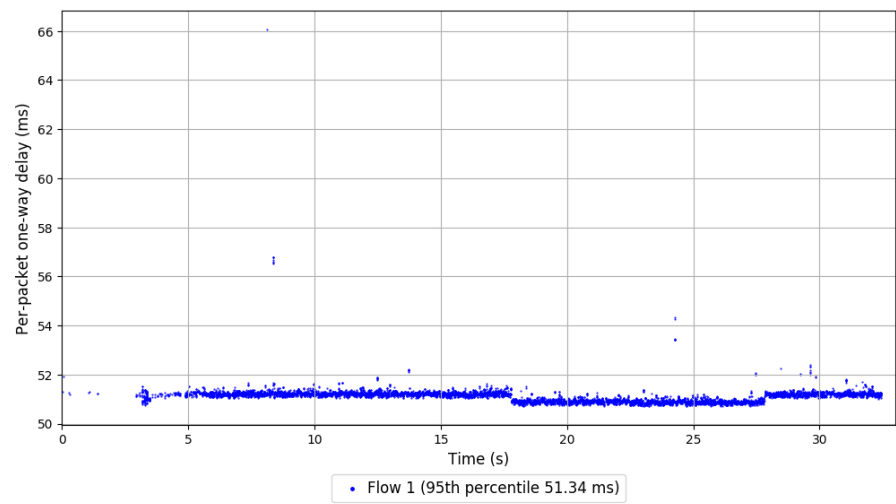
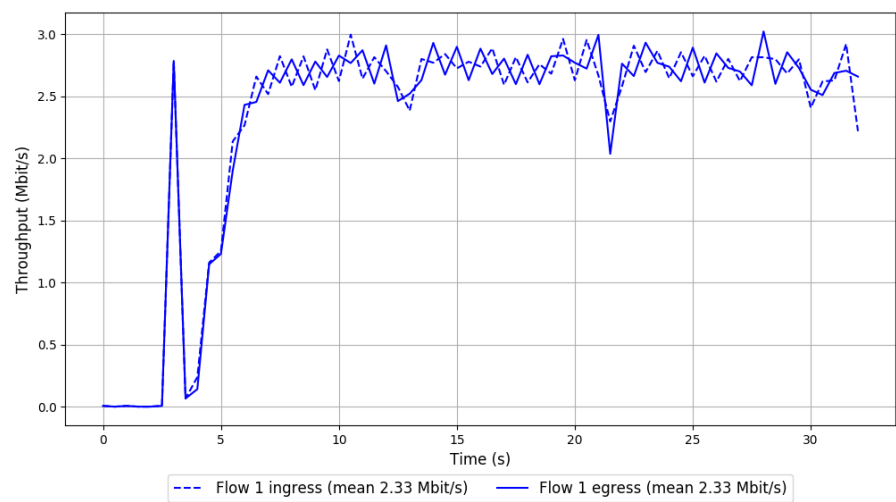
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 51.339 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-27 18:32:16

End at: 2018-02-27 18:32:46

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 0.00%

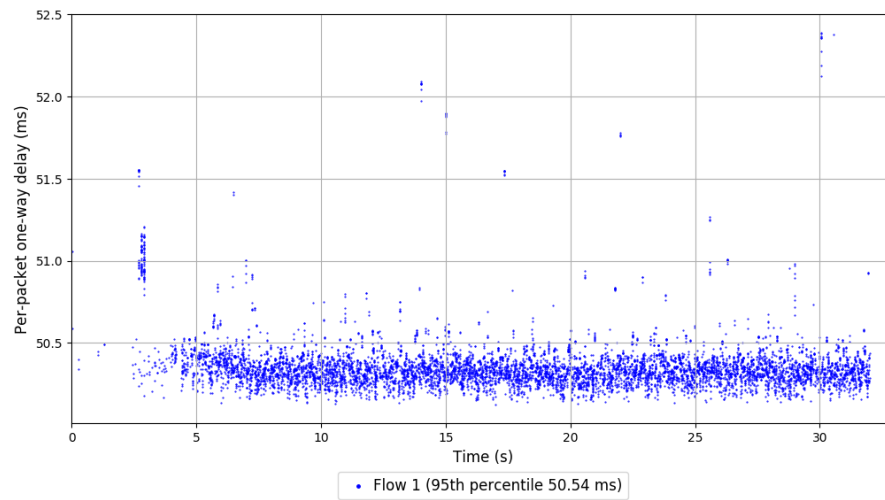
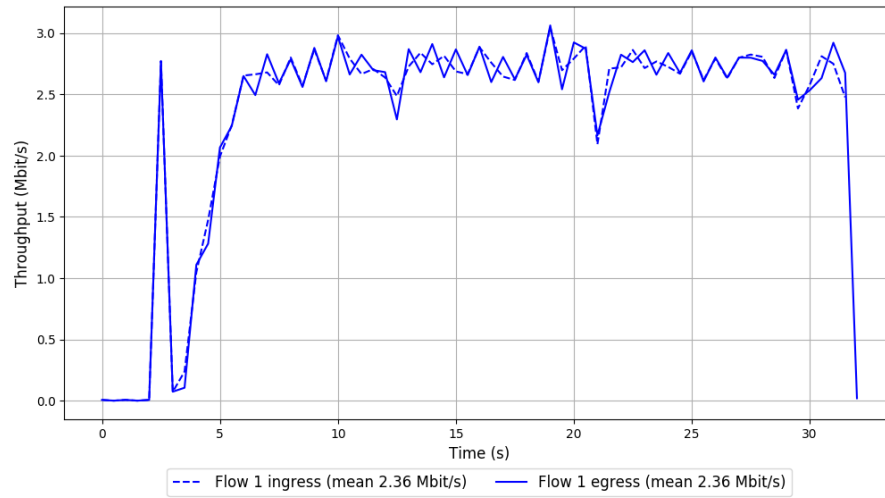
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-27 18:46:54

End at: 2018-02-27 18:47:24

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 0.00%

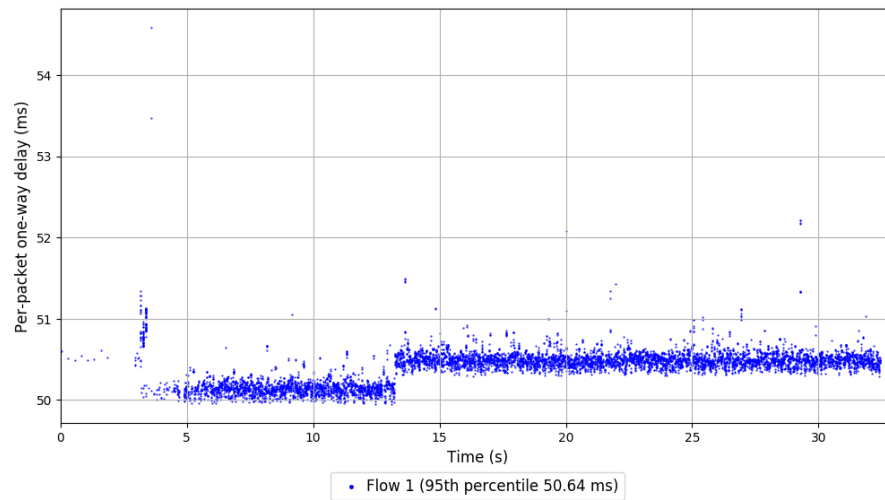
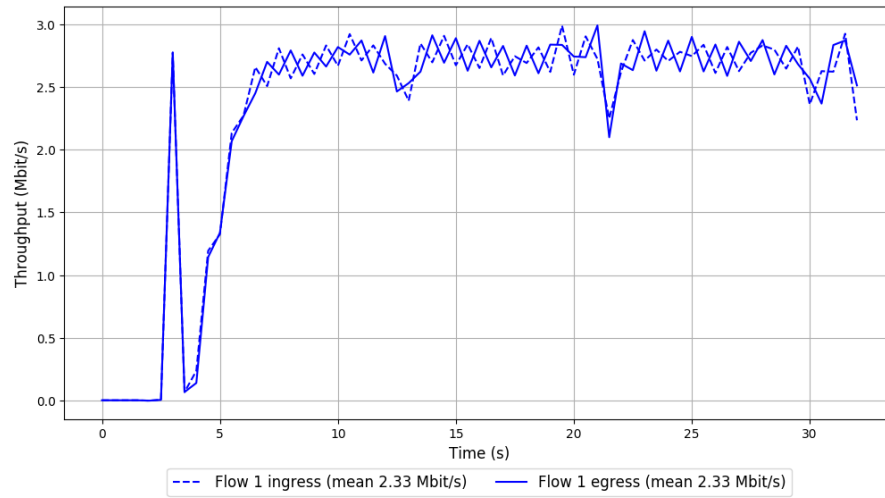
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-27 19:01:30

End at: 2018-02-27 19:02:00

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.135 ms

Loss rate: 0.00%

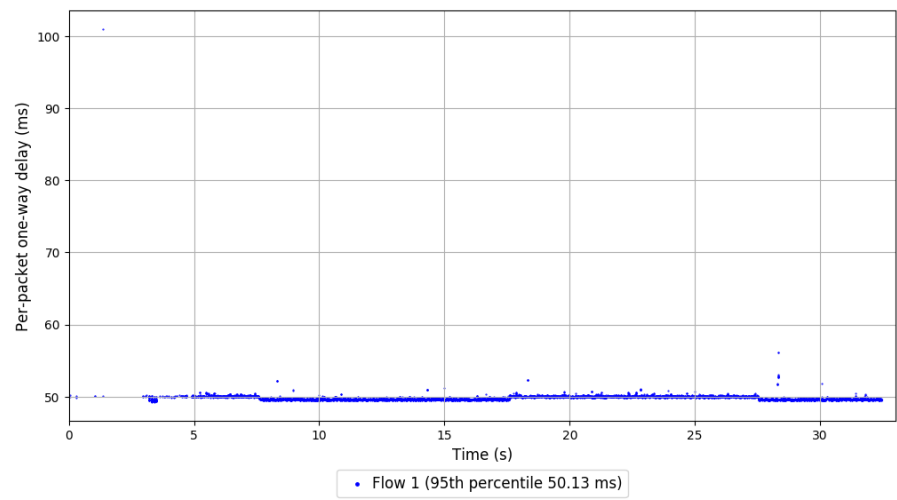
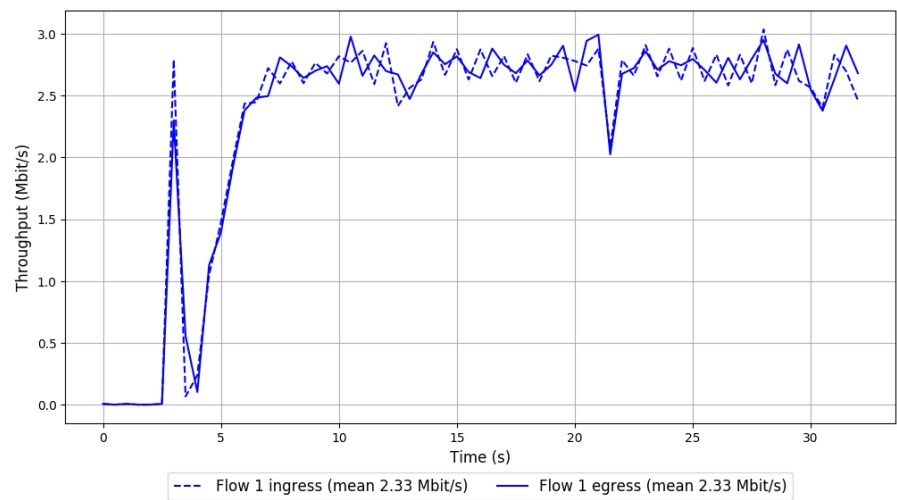
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.135 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-27 19:16:11

End at: 2018-02-27 19:16:41

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.155 ms

Loss rate: 0.00%

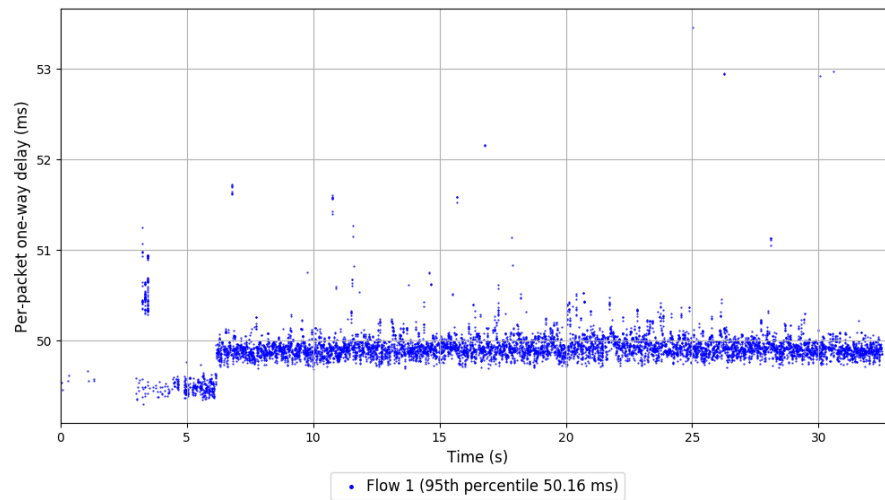
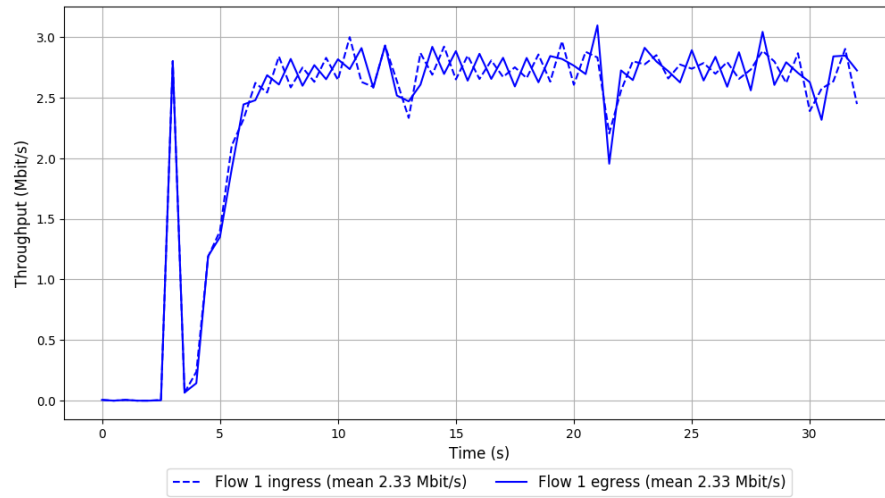
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.155 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-27 17:06:57

End at: 2018-02-27 17:07:27

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.866 ms

Loss rate: 0.00%

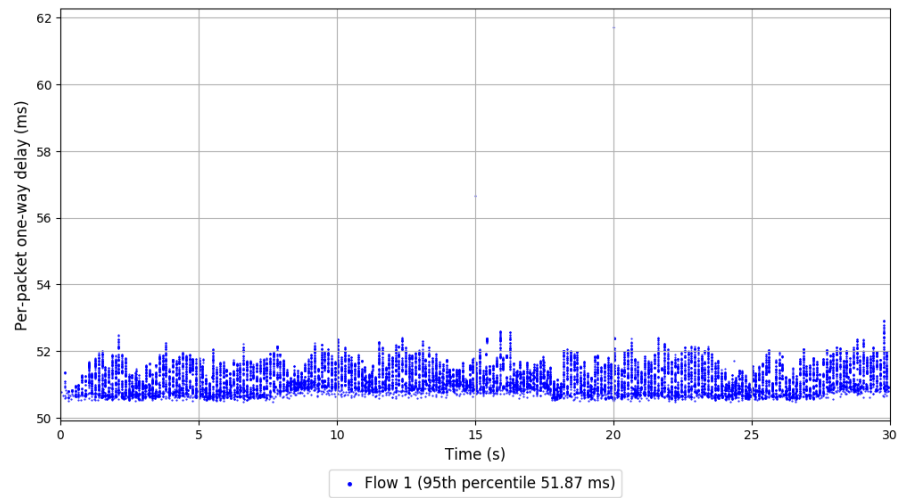
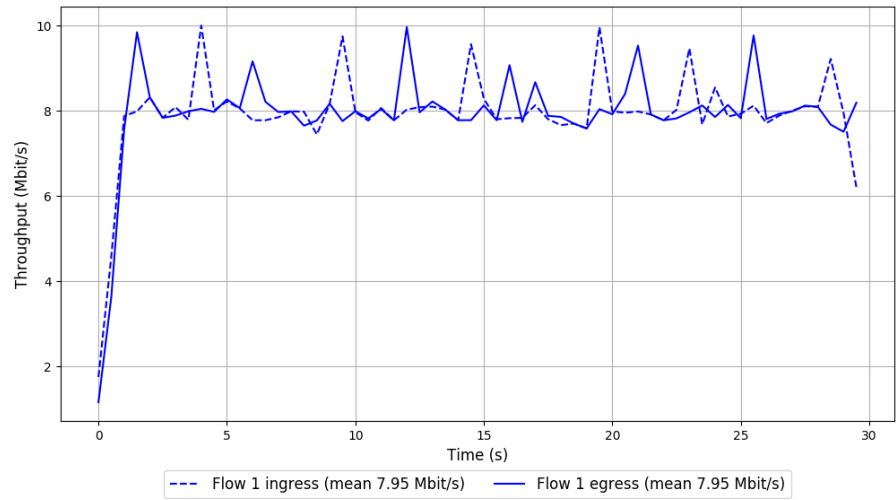
-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.866 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-27 17:21:25

End at: 2018-02-27 17:21:55

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 52.003 ms

Loss rate: 0.00%

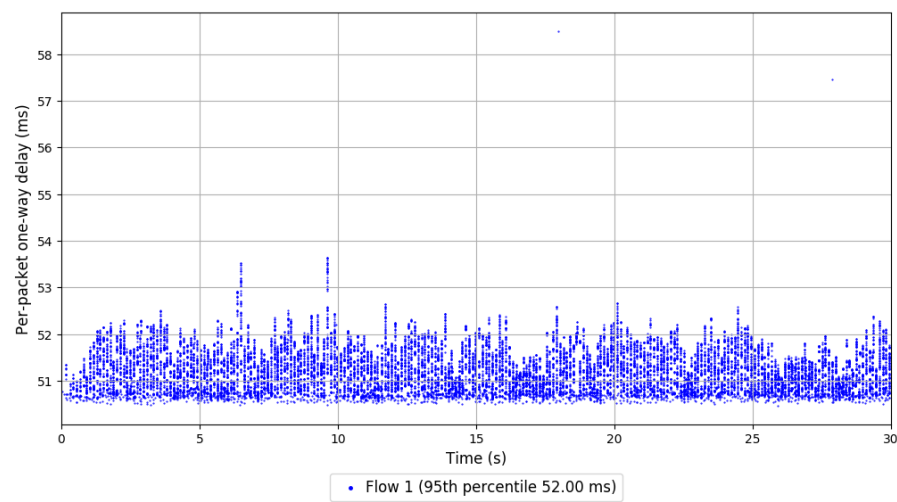
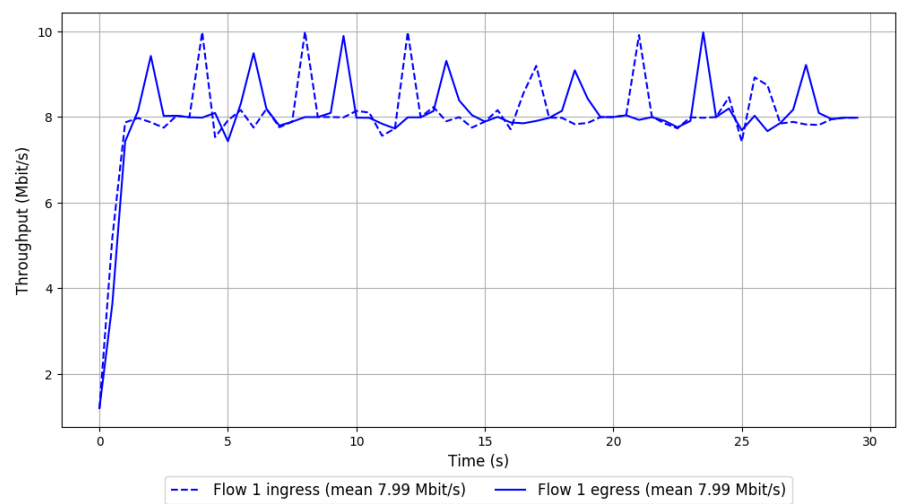
-- Flow 1:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 52.003 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-27 17:36:00

End at: 2018-02-27 17:36:30

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 51.997 ms

Loss rate: 0.00%

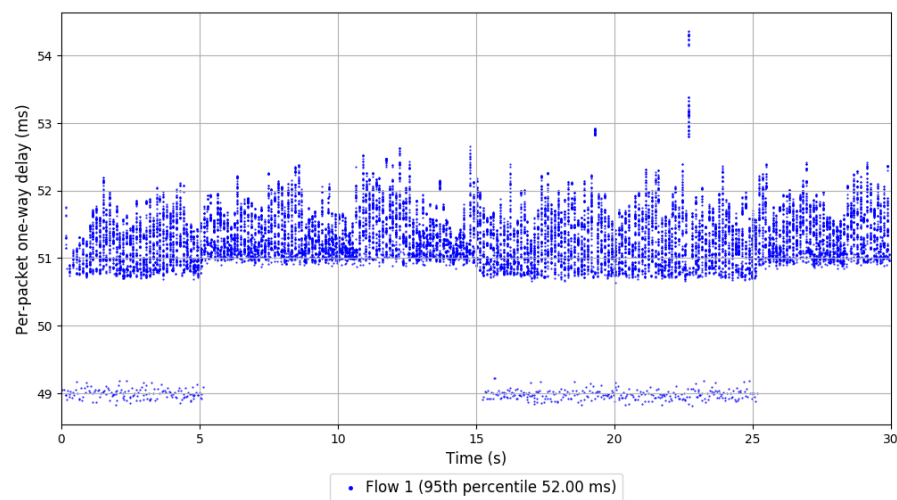
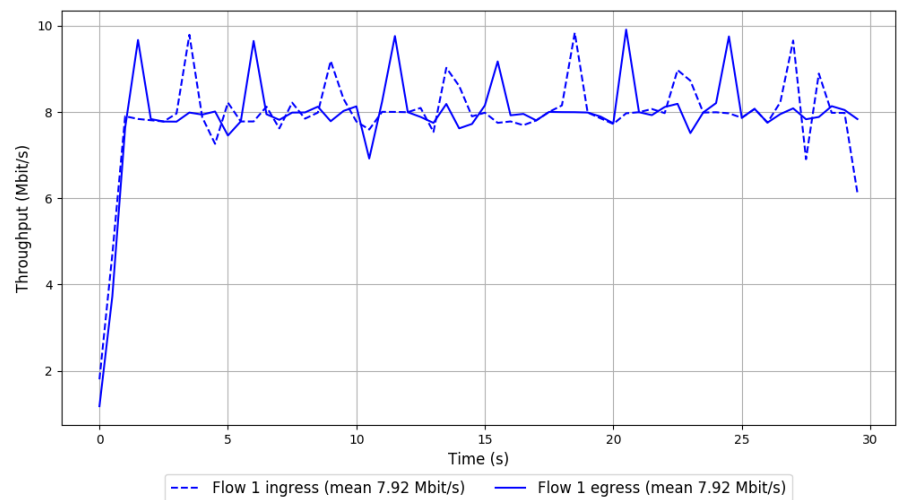
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 51.997 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-27 17:50:27

End at: 2018-02-27 17:50:57

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 52.189 ms

Loss rate: 0.00%

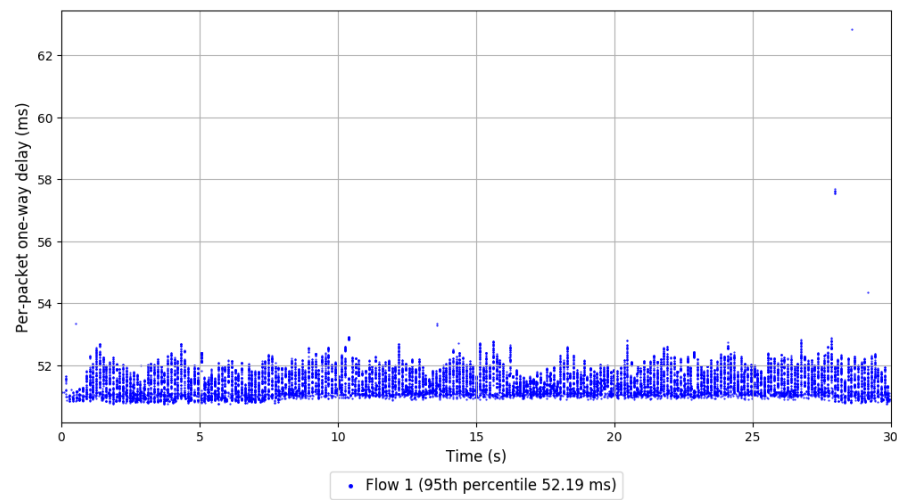
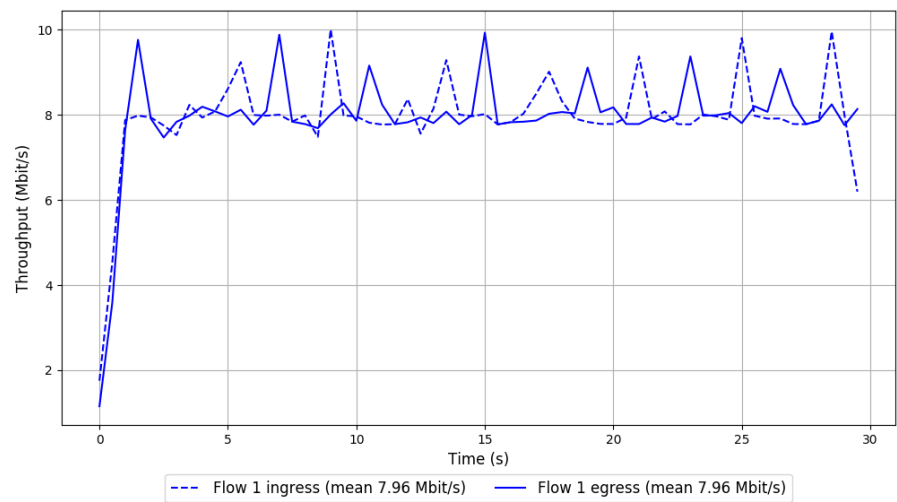
-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 52.189 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-27 18:04:53

End at: 2018-02-27 18:05:23

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.00%

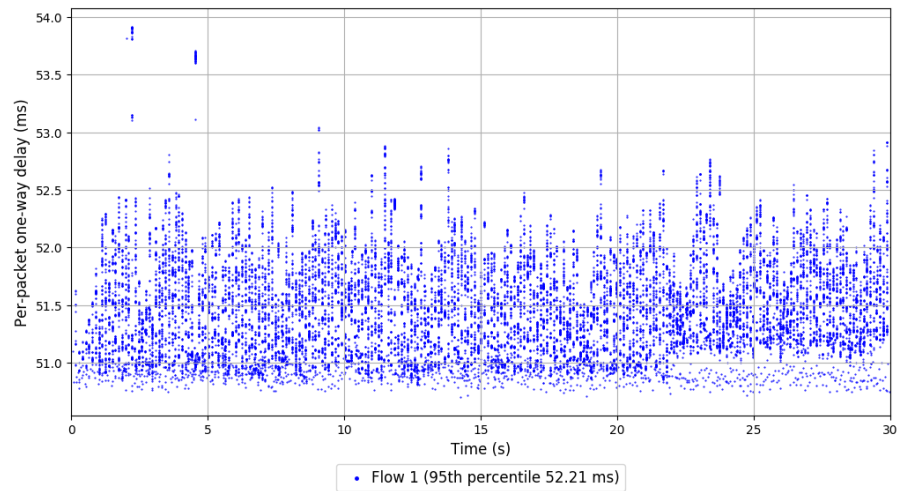
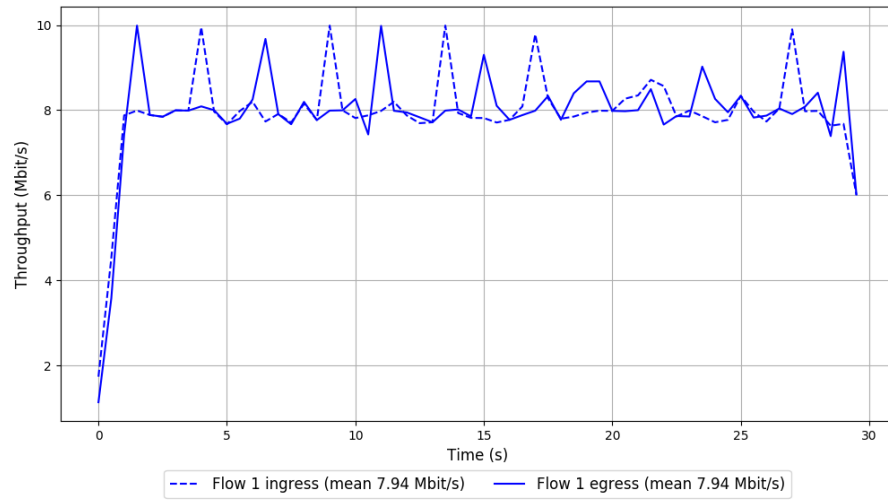
-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 52.214 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-27 18:19:17

End at: 2018-02-27 18:19:47

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 52.504 ms

Loss rate: 0.00%

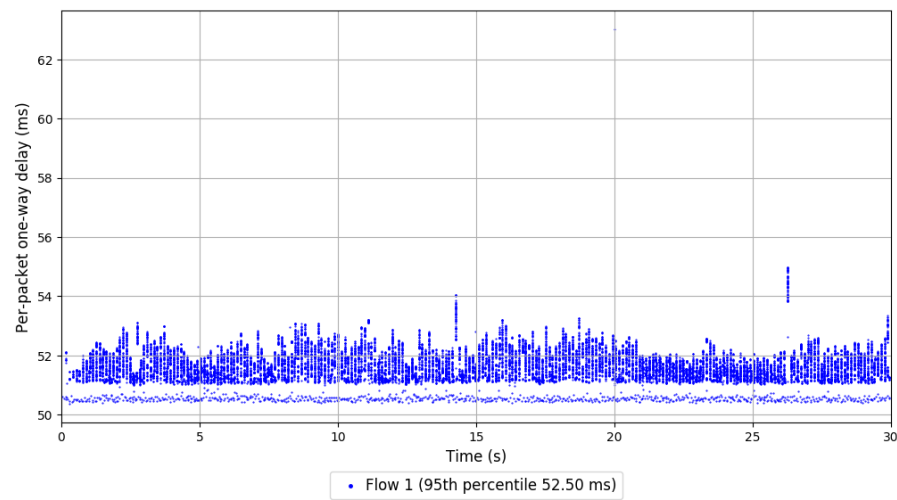
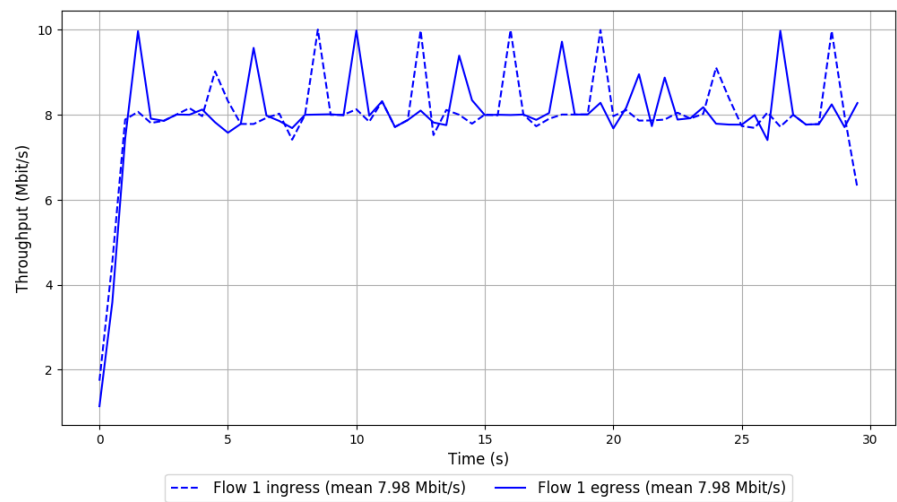
-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 52.504 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-27 18:33:44

End at: 2018-02-27 18:34:14

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.638 ms

Loss rate: 0.00%

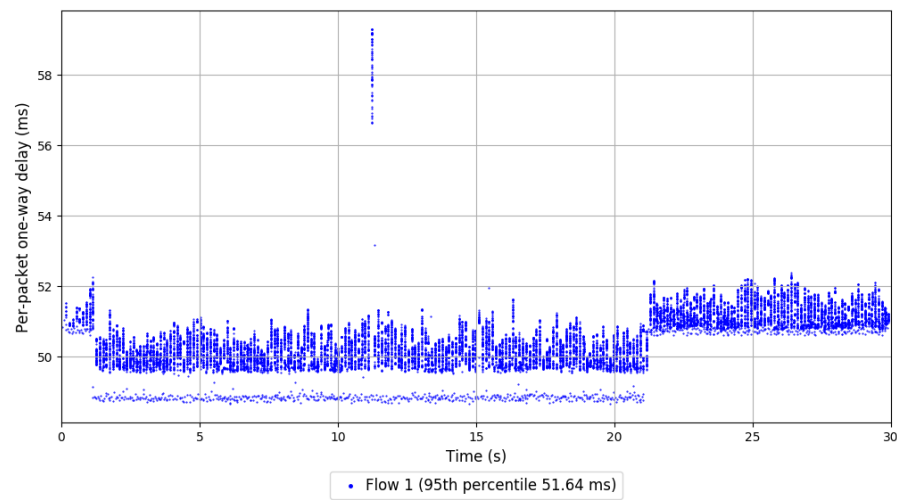
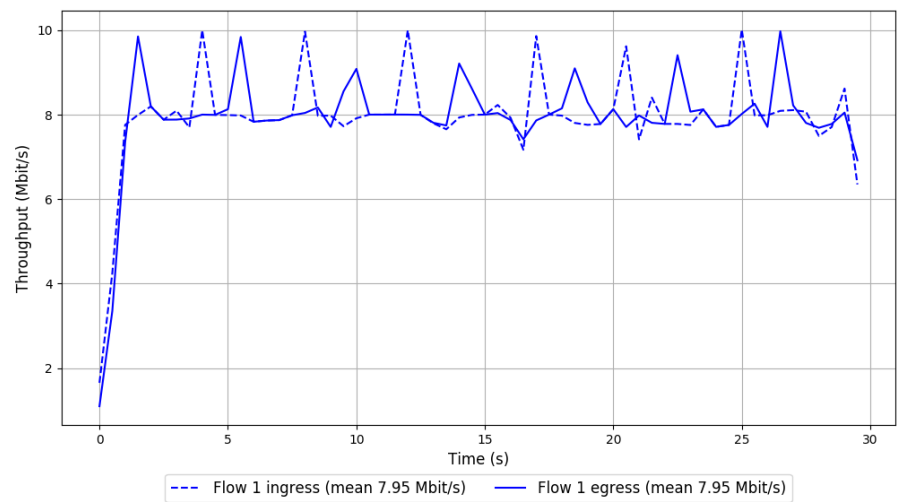
-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.638 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-27 18:48:22

End at: 2018-02-27 18:48:52

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 51.691 ms

Loss rate: 0.00%

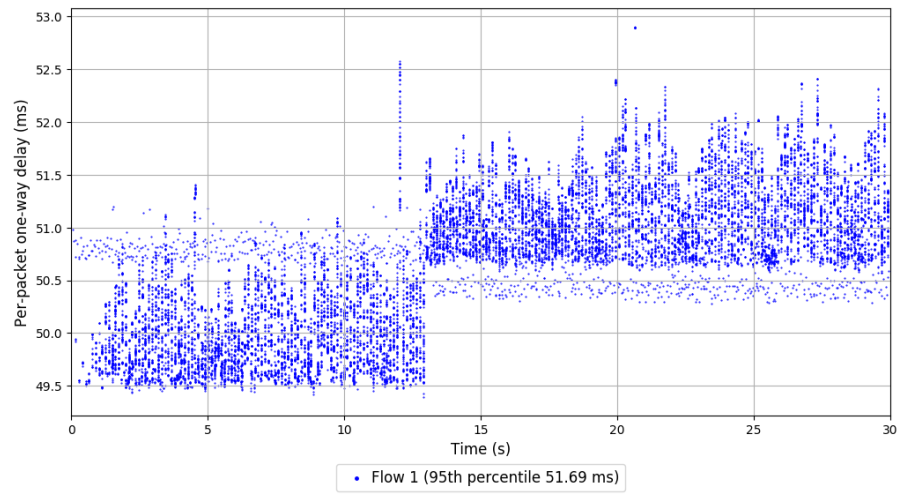
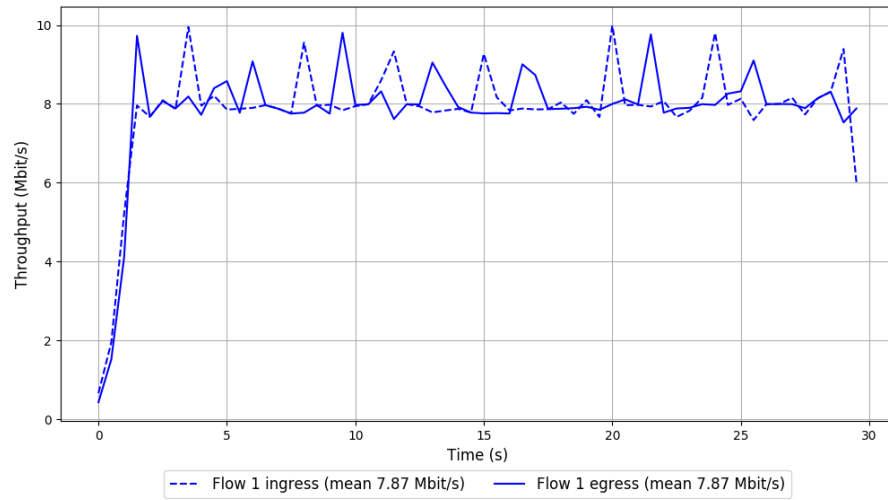
-- Flow 1:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 51.691 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-27 19:02:56

End at: 2018-02-27 19:03:26

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.787 ms

Loss rate: 0.00%

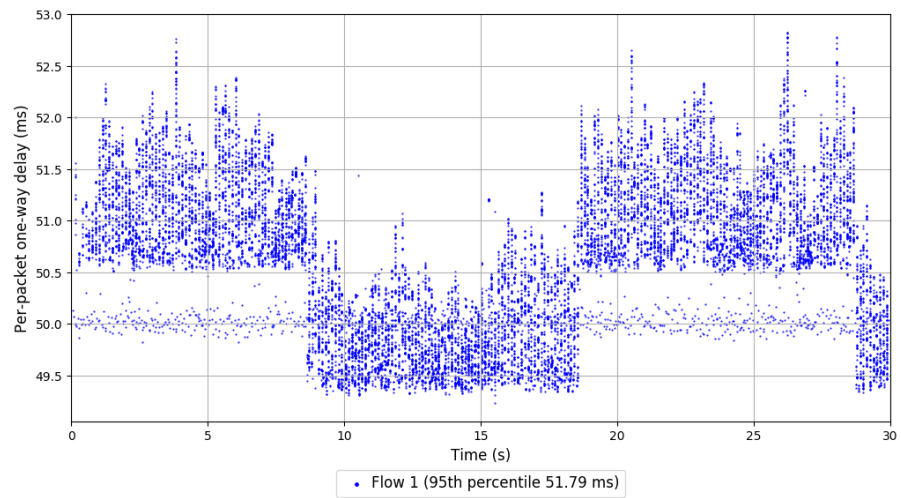
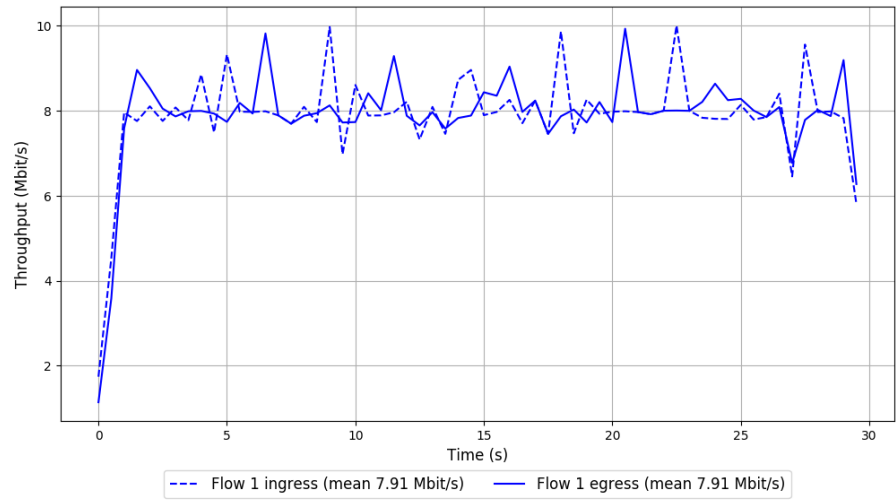
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.787 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-27 19:17:39

End at: 2018-02-27 19:18:09

Below is generated by plot.py at 2018-02-27 22:24:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.313 ms

Loss rate: 0.00%

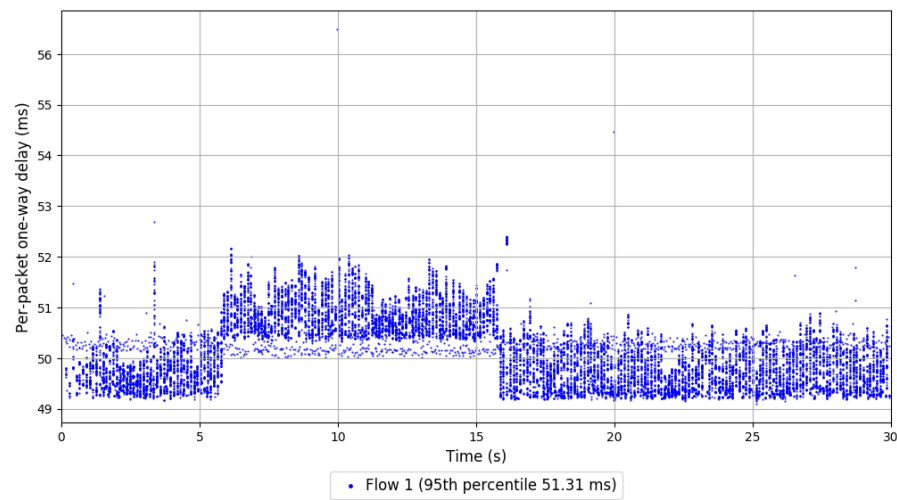
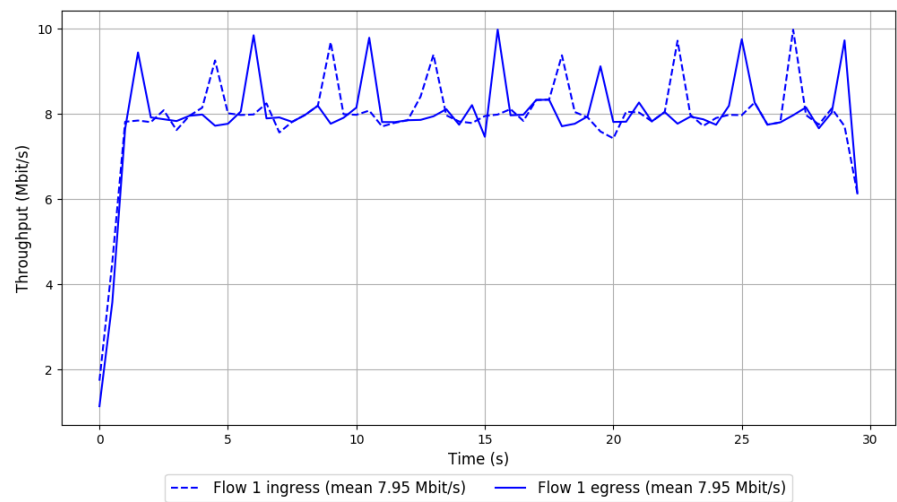
-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.313 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

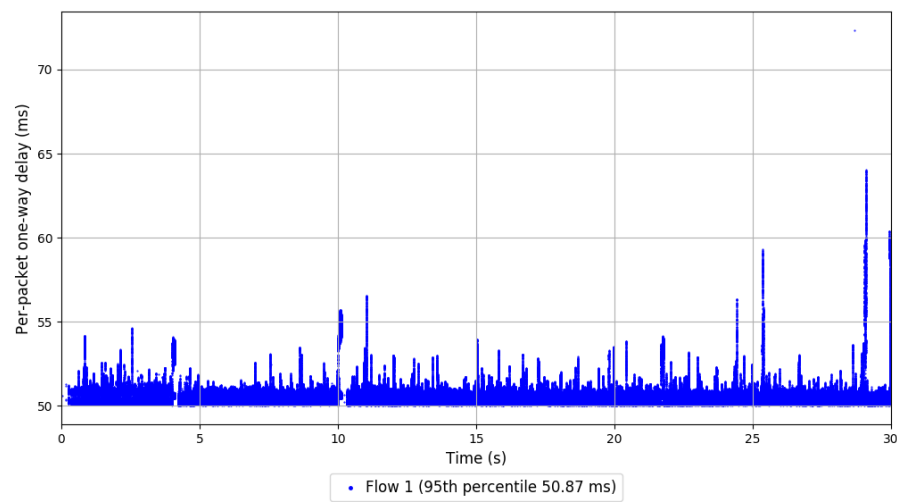
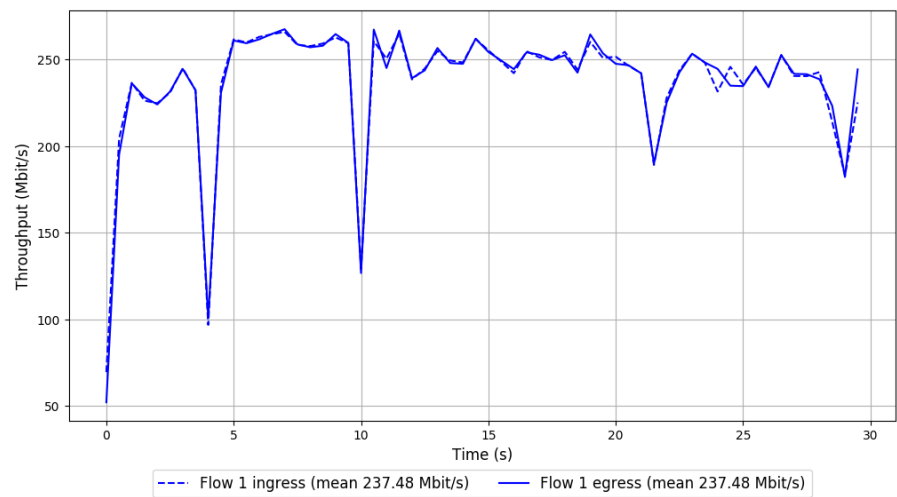


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 17:08:11
End at: 2018-02-27 17:08:41

# Below is generated by plot.py at 2018-02-27 22:31:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.48 Mbit/s
95th percentile per-packet one-way delay: 50.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 237.48 Mbit/s
95th percentile per-packet one-way delay: 50.872 ms
Loss rate: 0.00%
```


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

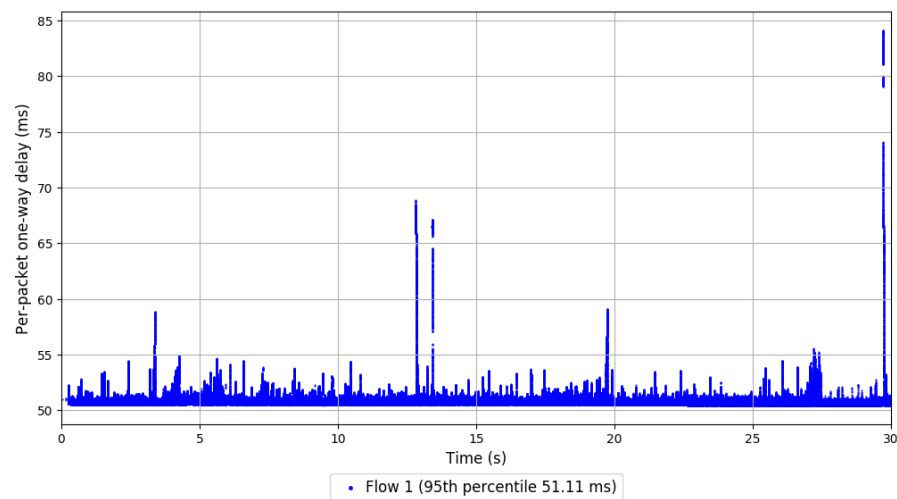
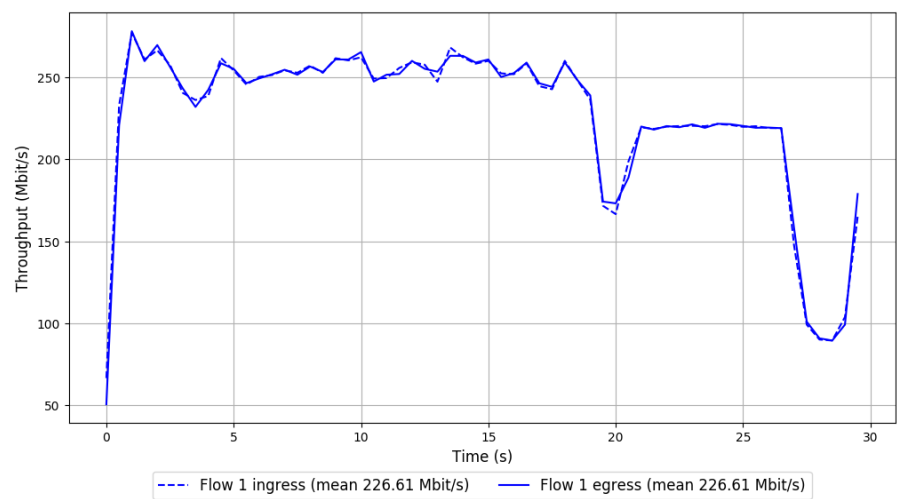


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-27 17:22:42
End at: 2018-02-27 17:23:12

# Below is generated by plot.py at 2018-02-27 22:31:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.61 Mbit/s
95th percentile per-packet one-way delay: 51.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.61 Mbit/s
95th percentile per-packet one-way delay: 51.107 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-27 17:37:14

End at: 2018-02-27 17:37:44

Below is generated by plot.py at 2018-02-27 22:31:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.20 Mbit/s

95th percentile per-packet one-way delay: 51.099 ms

Loss rate: 0.00%

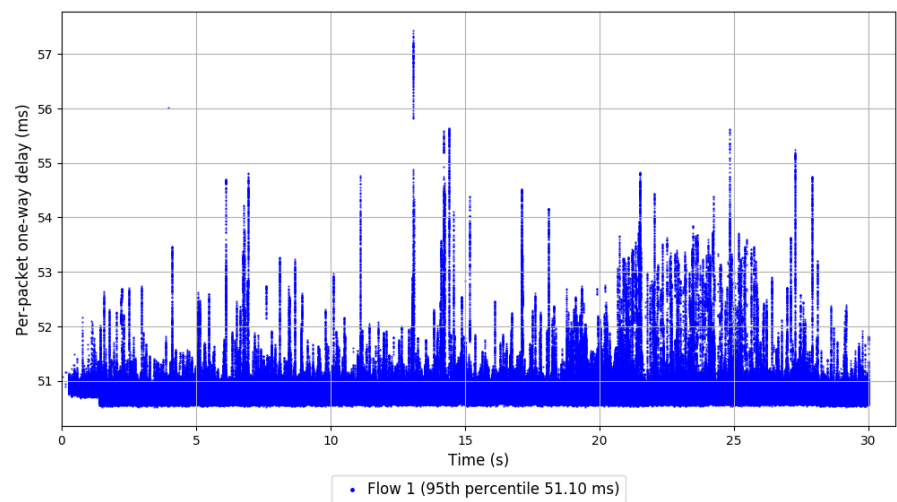
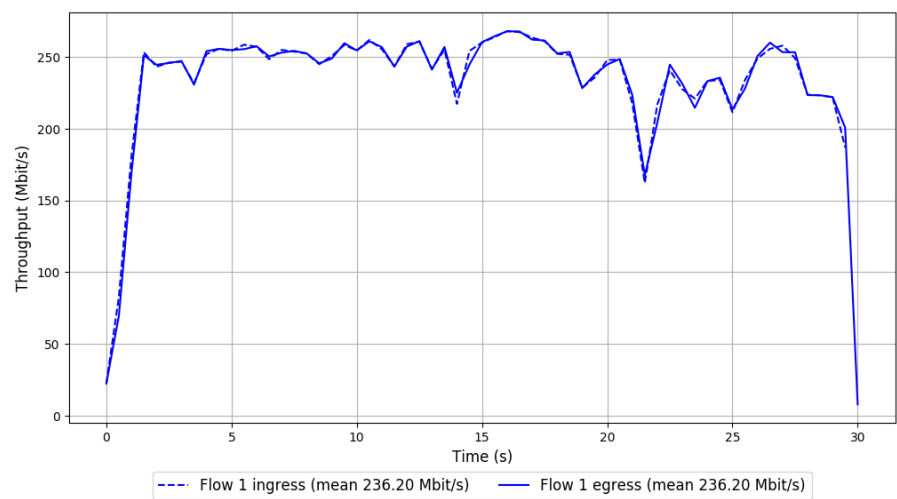
-- Flow 1:

Average throughput: 236.20 Mbit/s

95th percentile per-packet one-way delay: 51.099 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-27 17:51:41

End at: 2018-02-27 17:52:11

Below is generated by plot.py at 2018-02-27 22:31:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.11 Mbit/s

95th percentile per-packet one-way delay: 51.161 ms

Loss rate: 0.00%

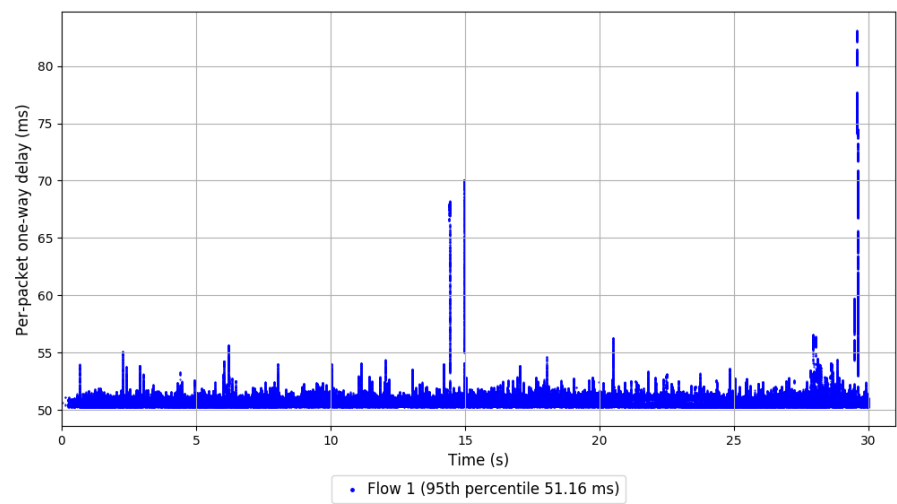
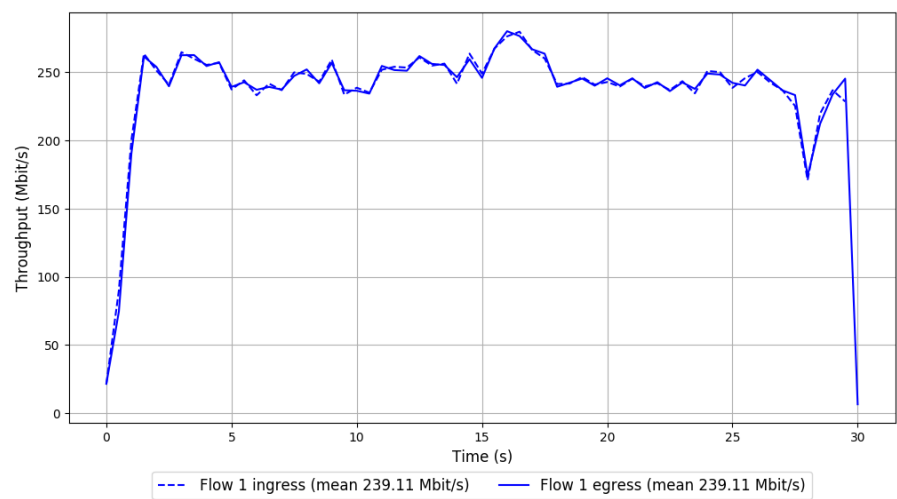
-- Flow 1:

Average throughput: 239.11 Mbit/s

95th percentile per-packet one-way delay: 51.161 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-27 18:06:07

End at: 2018-02-27 18:06:37

Below is generated by plot.py at 2018-02-27 22:31:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.86 Mbit/s

95th percentile per-packet one-way delay: 51.463 ms

Loss rate: 0.00%

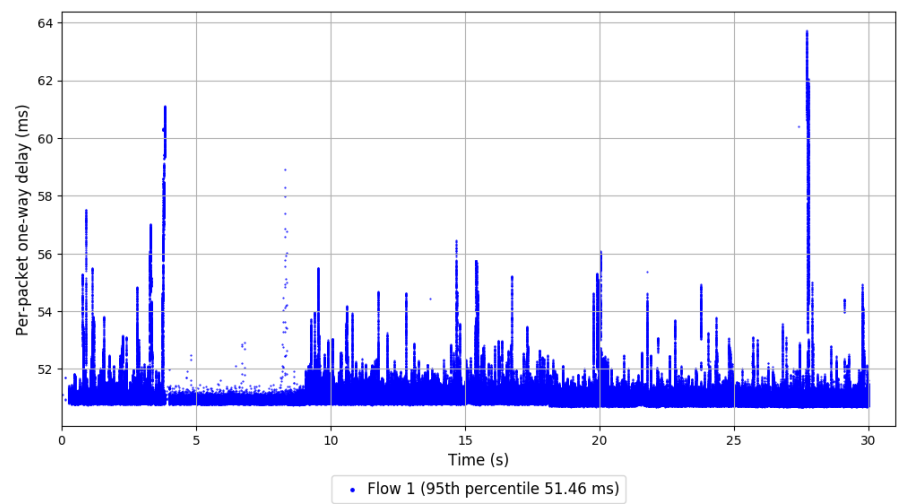
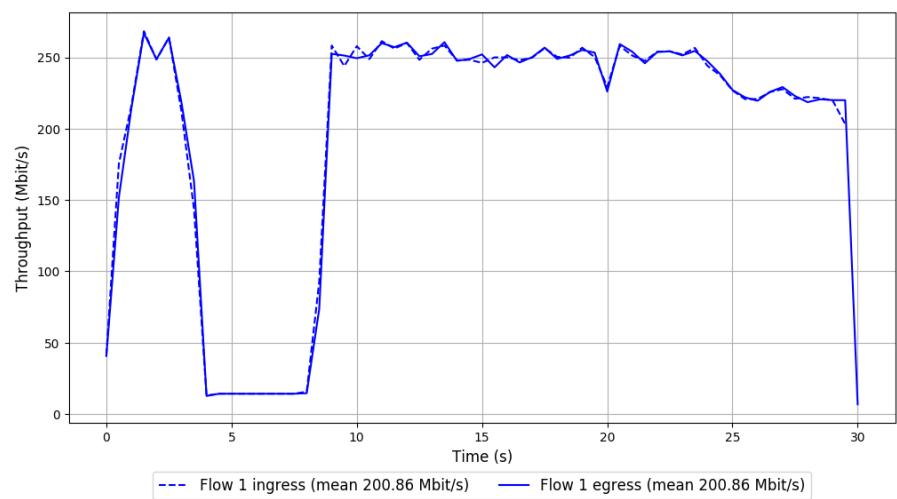
-- Flow 1:

Average throughput: 200.86 Mbit/s

95th percentile per-packet one-way delay: 51.463 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-27 18:20:31

End at: 2018-02-27 18:21:01

Below is generated by plot.py at 2018-02-27 22:31:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.66 Mbit/s

95th percentile per-packet one-way delay: 51.312 ms

Loss rate: 0.00%

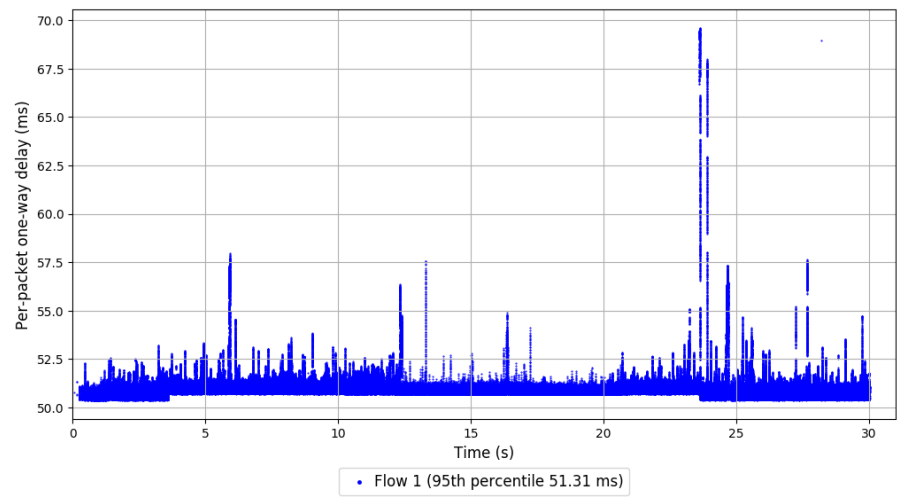
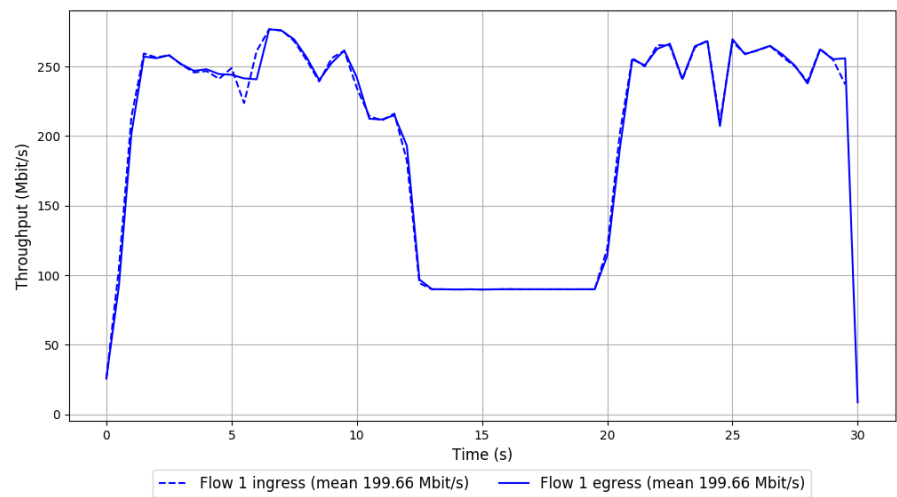
-- Flow 1:

Average throughput: 199.66 Mbit/s

95th percentile per-packet one-way delay: 51.312 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-27 18:35:02

End at: 2018-02-27 18:35:32

Below is generated by plot.py at 2018-02-27 22:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.15 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.00%

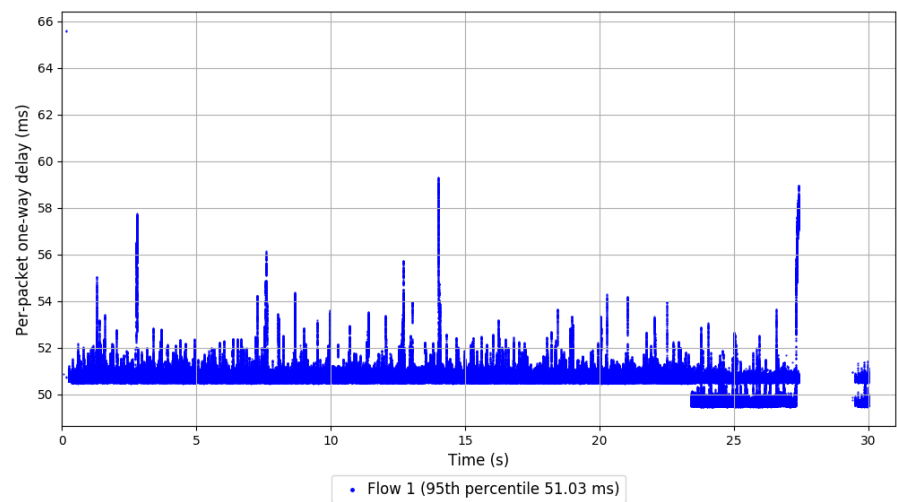
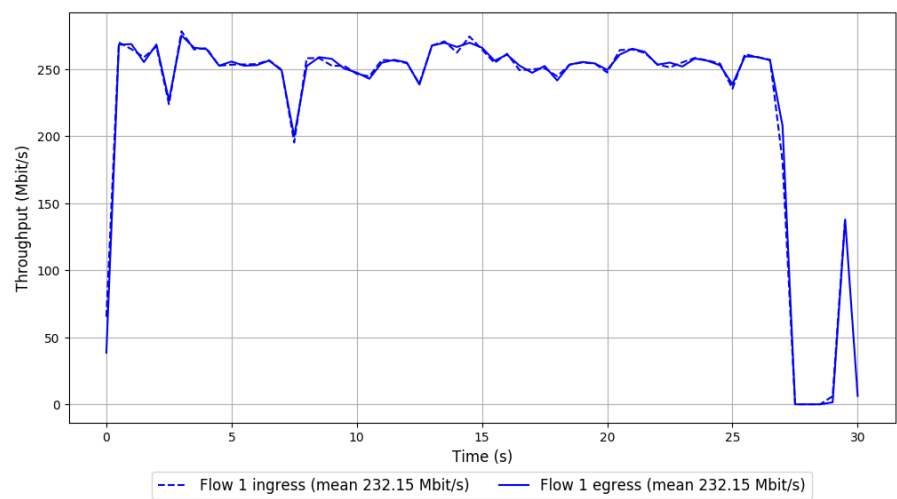
-- Flow 1:

Average throughput: 232.15 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-27 18:49:40

End at: 2018-02-27 18:50:10

Below is generated by plot.py at 2018-02-27 22:36:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.75 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.00%

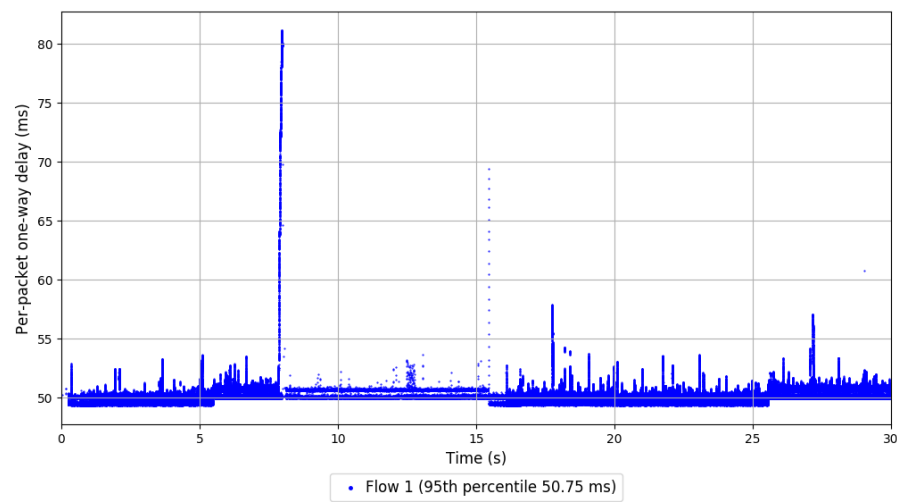
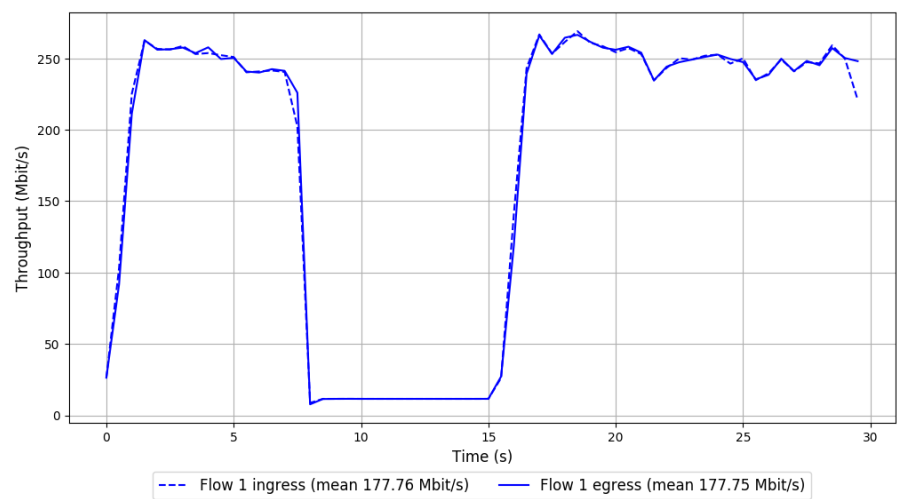
-- Flow 1:

Average throughput: 177.75 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-27 19:04:10

End at: 2018-02-27 19:04:40

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.95 Mbit/s

95th percentile per-packet one-way delay: 50.806 ms

Loss rate: 0.00%

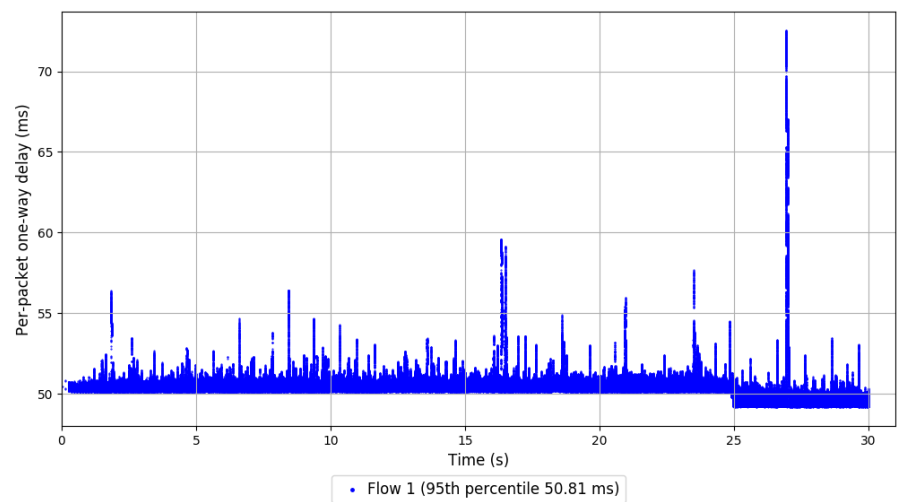
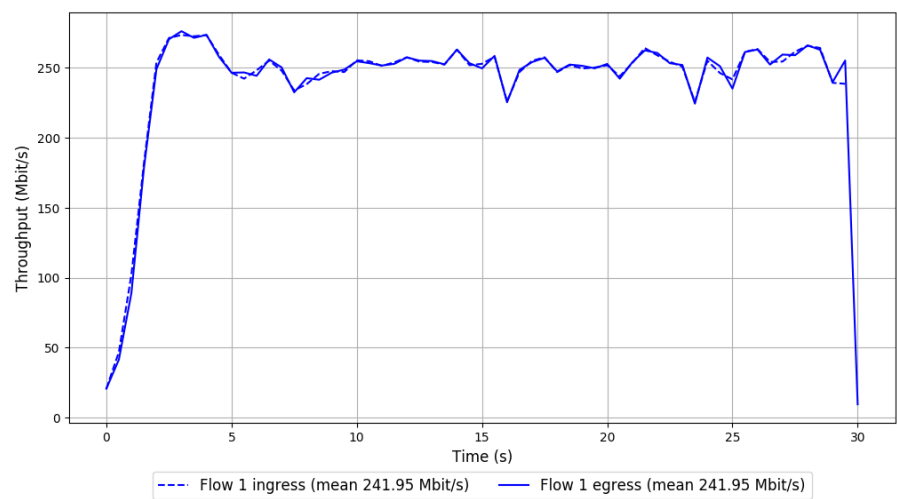
-- Flow 1:

Average throughput: 241.95 Mbit/s

95th percentile per-packet one-way delay: 50.806 ms

Loss rate: 0.00%

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

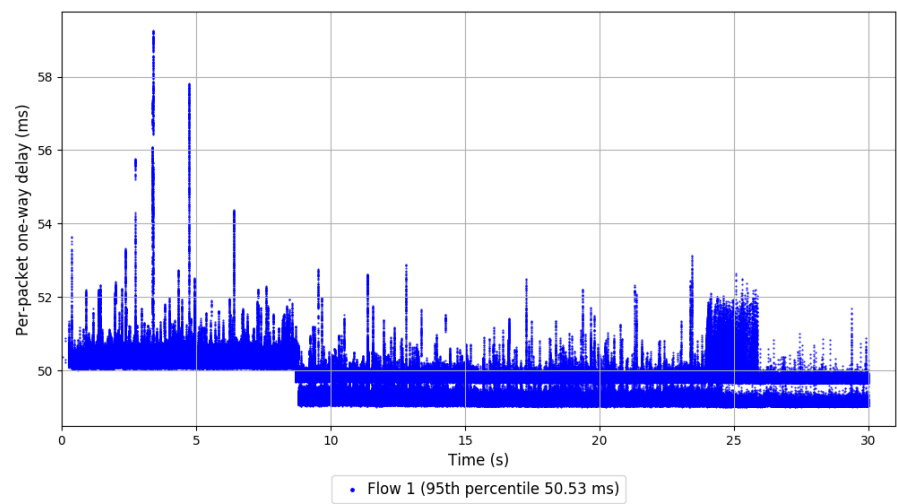
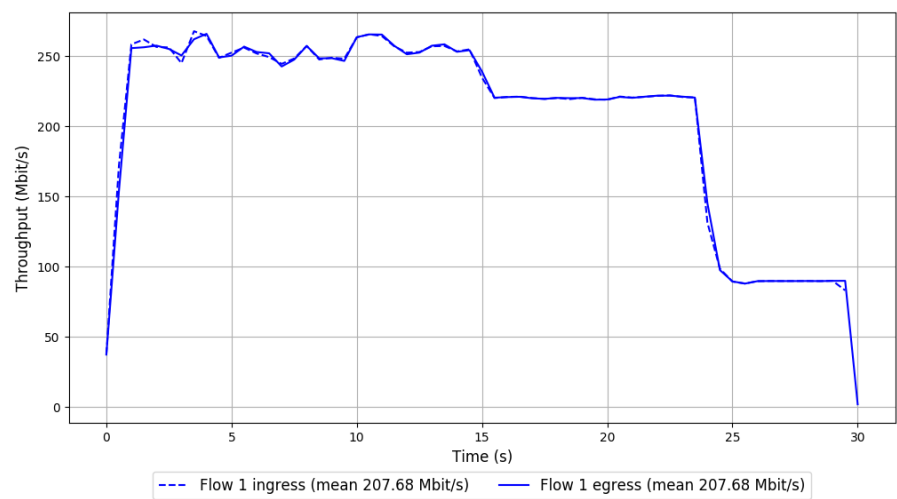


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-27 19:18:56
End at: 2018-02-27 19:19:26

# Below is generated by plot.py at 2018-02-27 22:41:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.68 Mbit/s
95th percentile per-packet one-way delay: 50.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.68 Mbit/s
95th percentile per-packet one-way delay: 50.528 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-27 17:01:14

End at: 2018-02-27 17:01:44

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 51.920 ms

Loss rate: 0.00%

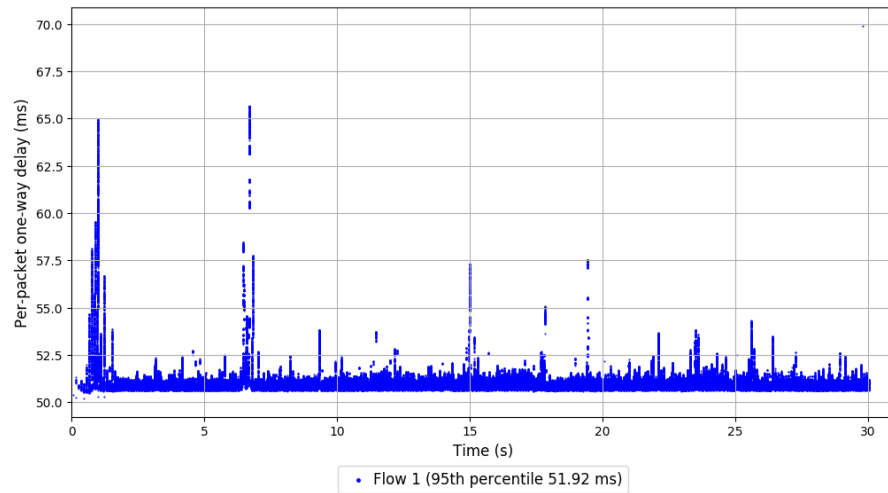
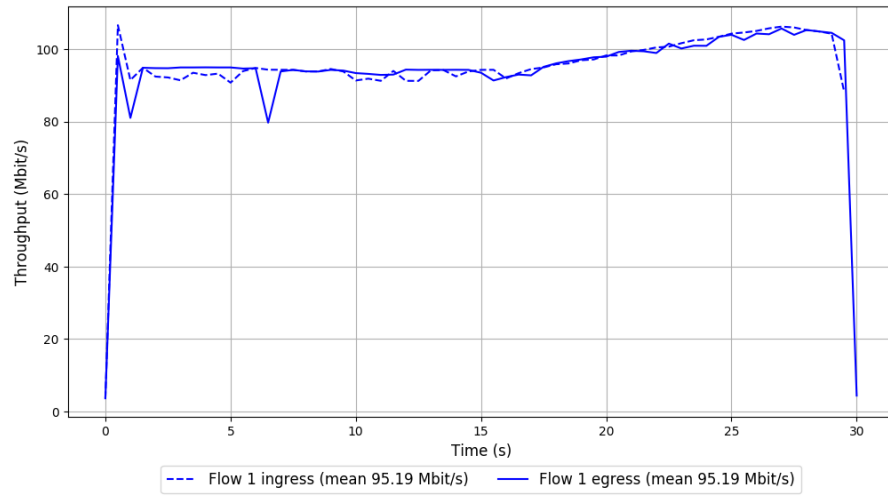
-- Flow 1:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 51.920 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-27 17:15:41

End at: 2018-02-27 17:16:11

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.99 Mbit/s

95th percentile per-packet one-way delay: 59.678 ms

Loss rate: 0.00%

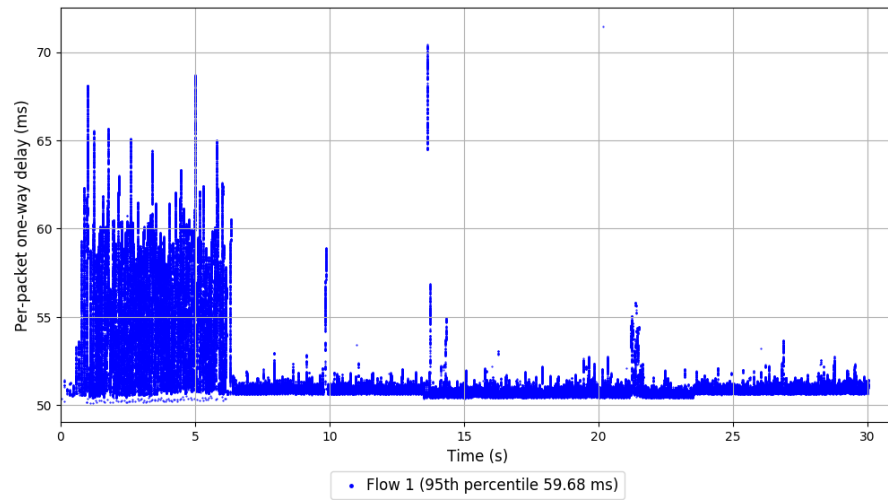
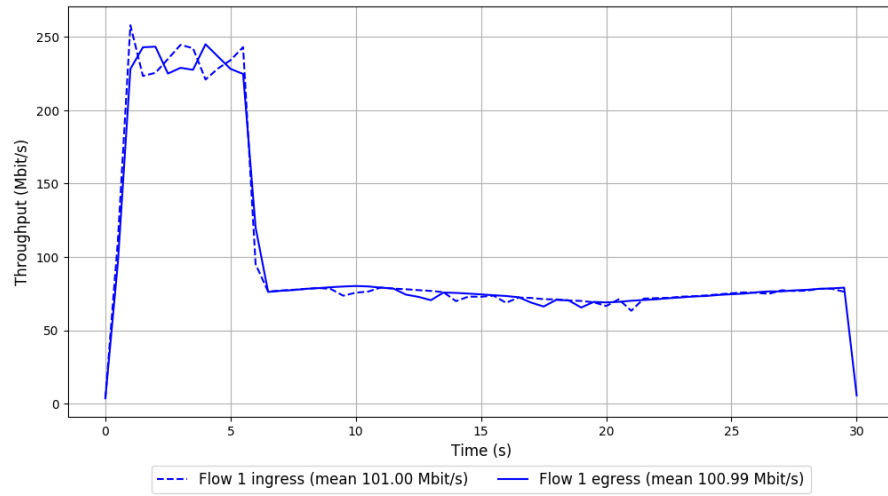
-- Flow 1:

Average throughput: 100.99 Mbit/s

95th percentile per-packet one-way delay: 59.678 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-27 17:30:15

End at: 2018-02-27 17:30:45

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.37 Mbit/s

95th percentile per-packet one-way delay: 52.250 ms

Loss rate: 0.00%

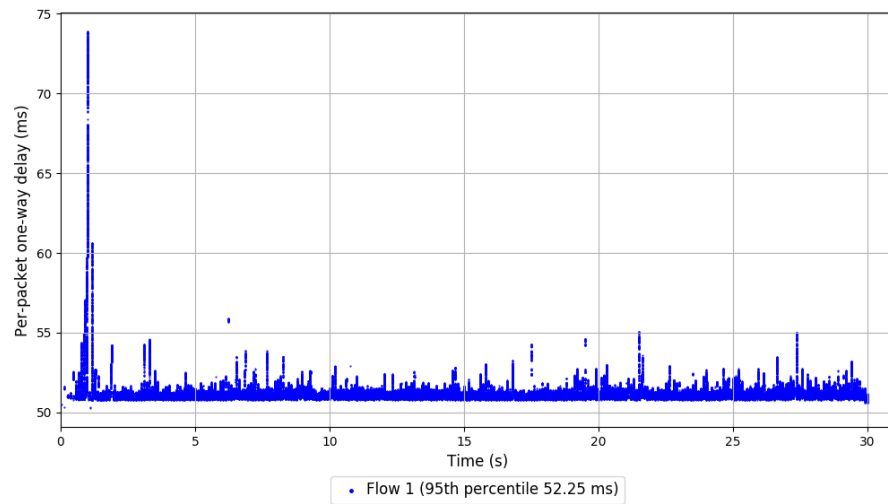
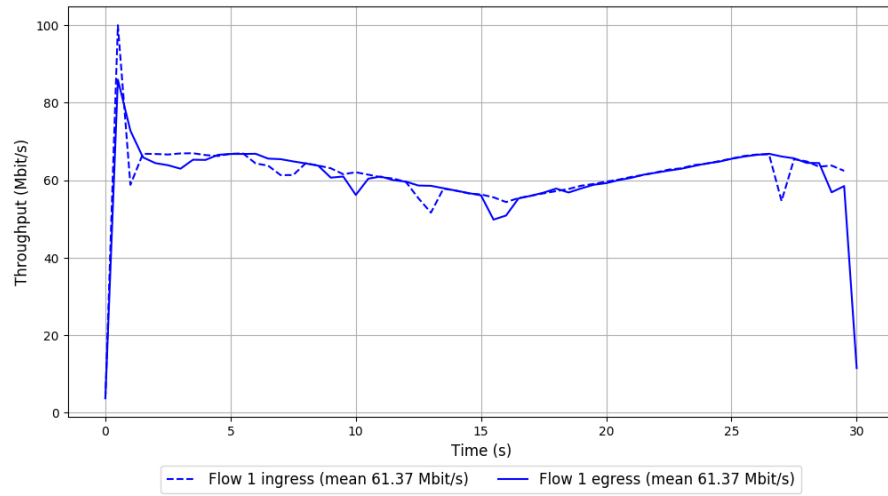
-- Flow 1:

Average throughput: 61.37 Mbit/s

95th percentile per-packet one-way delay: 52.250 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-27 17:44:48

End at: 2018-02-27 17:45:18

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 52.605 ms

Loss rate: 0.00%

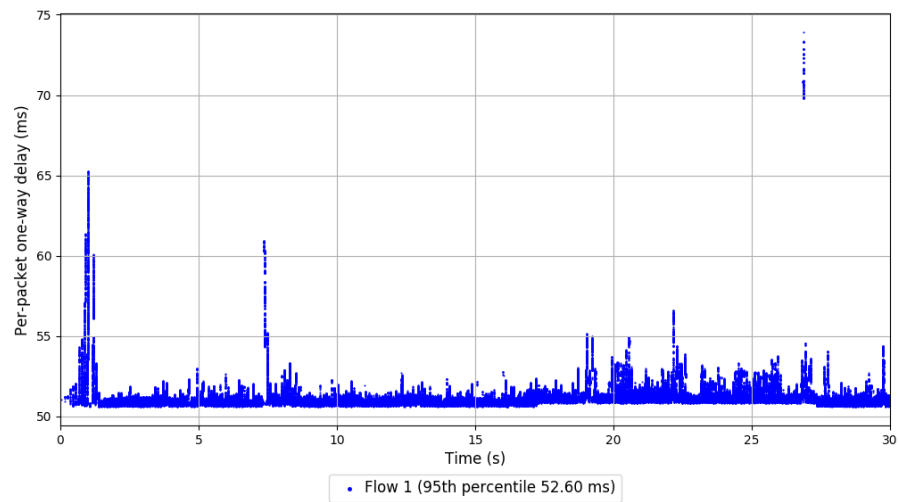
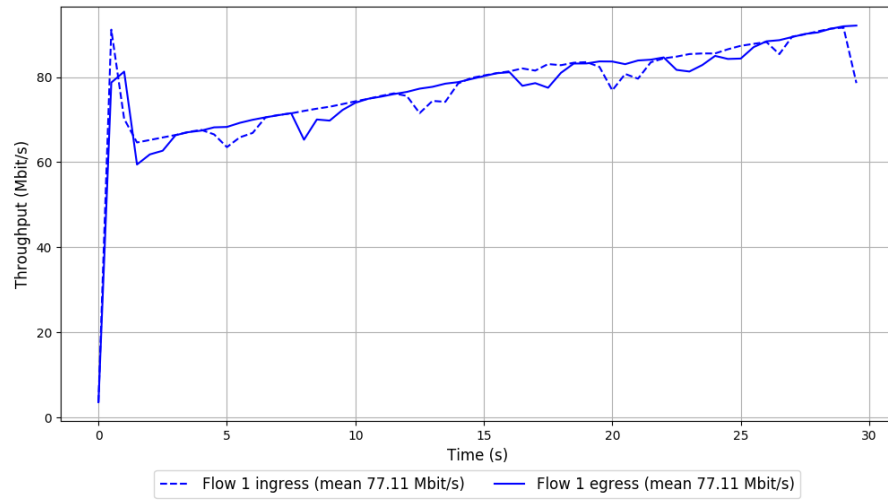
-- Flow 1:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 52.605 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-27 17:59:10

End at: 2018-02-27 17:59:40

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.45 Mbit/s

95th percentile per-packet one-way delay: 53.102 ms

Loss rate: 0.00%

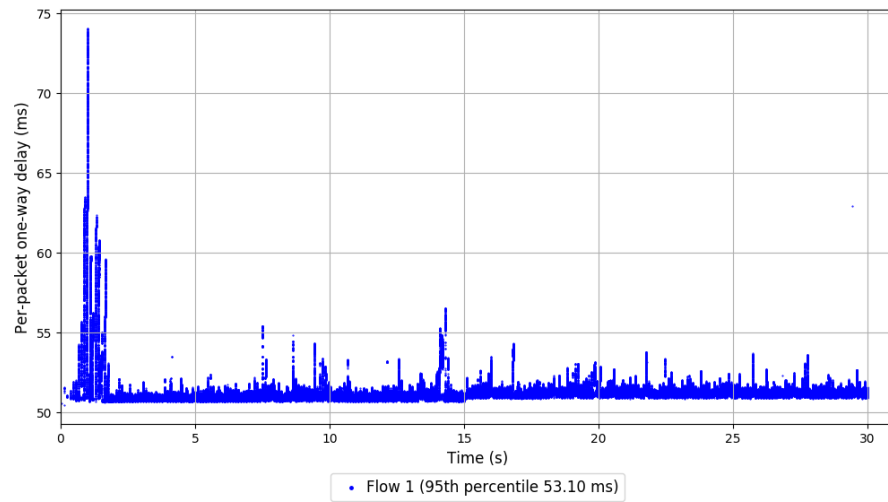
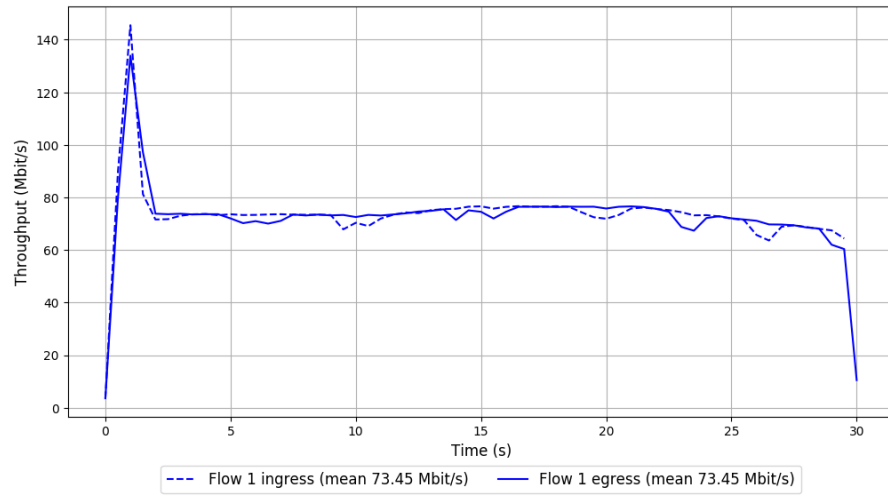
-- Flow 1:

Average throughput: 73.45 Mbit/s

95th percentile per-packet one-way delay: 53.102 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-27 18:13:38

End at: 2018-02-27 18:14:08

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.85 Mbit/s

95th percentile per-packet one-way delay: 52.258 ms

Loss rate: 0.00%

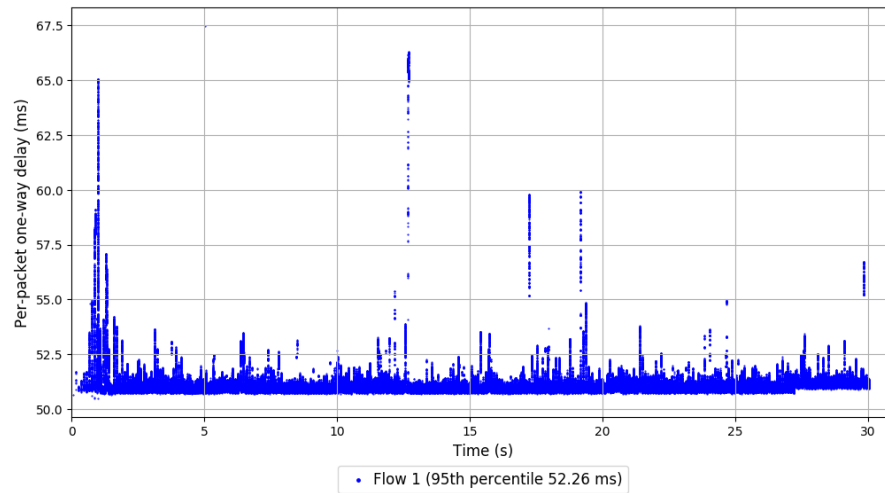
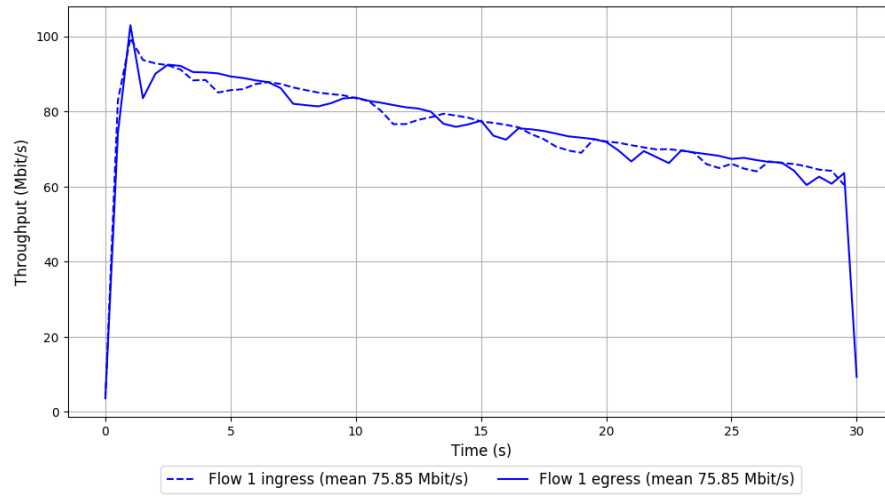
-- Flow 1:

Average throughput: 75.85 Mbit/s

95th percentile per-packet one-way delay: 52.258 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-27 18:28:00

End at: 2018-02-27 18:28:30

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.20 Mbit/s

95th percentile per-packet one-way delay: 60.518 ms

Loss rate: 0.02%

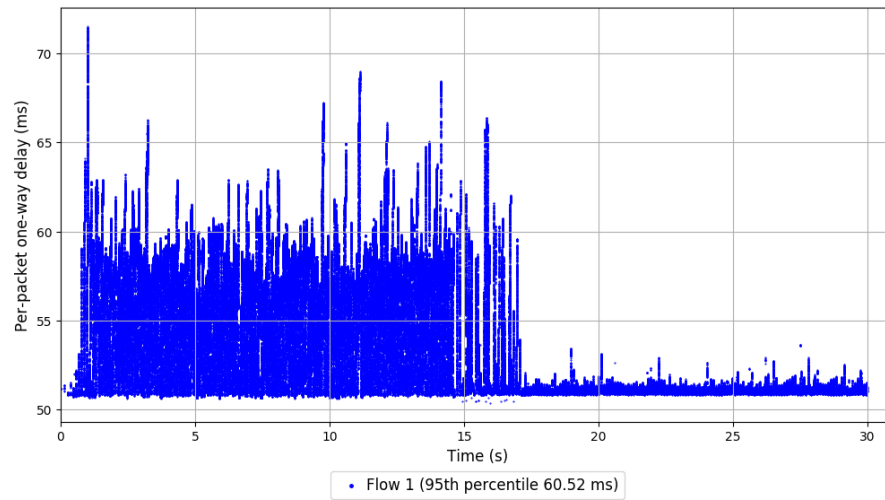
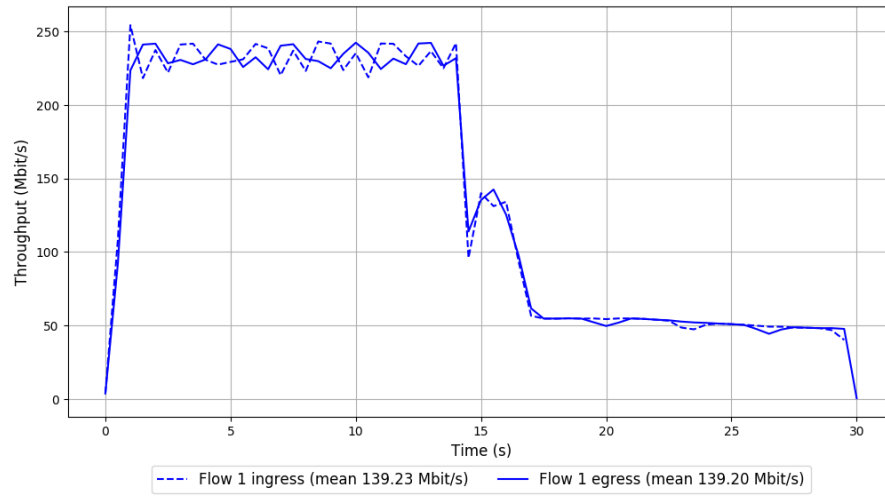
-- Flow 1:

Average throughput: 139.20 Mbit/s

95th percentile per-packet one-way delay: 60.518 ms

Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-27 18:42:40

End at: 2018-02-27 18:43:11

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.50 Mbit/s

95th percentile per-packet one-way delay: 52.013 ms

Loss rate: 0.00%

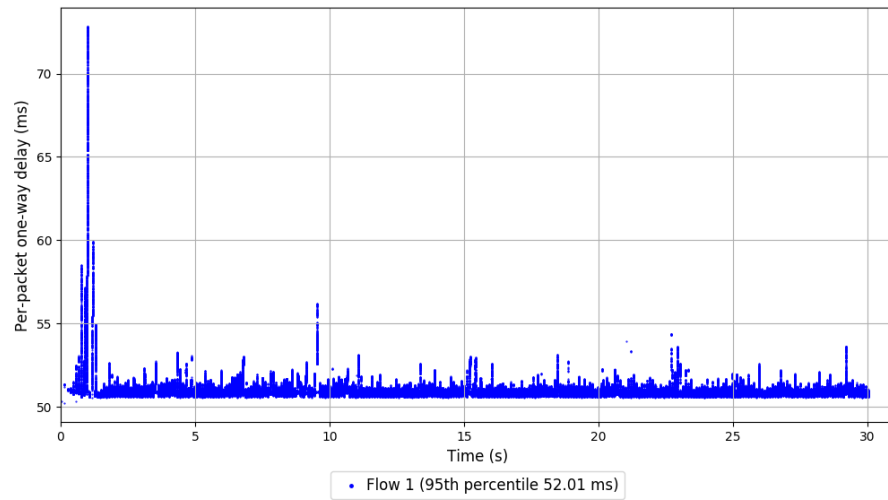
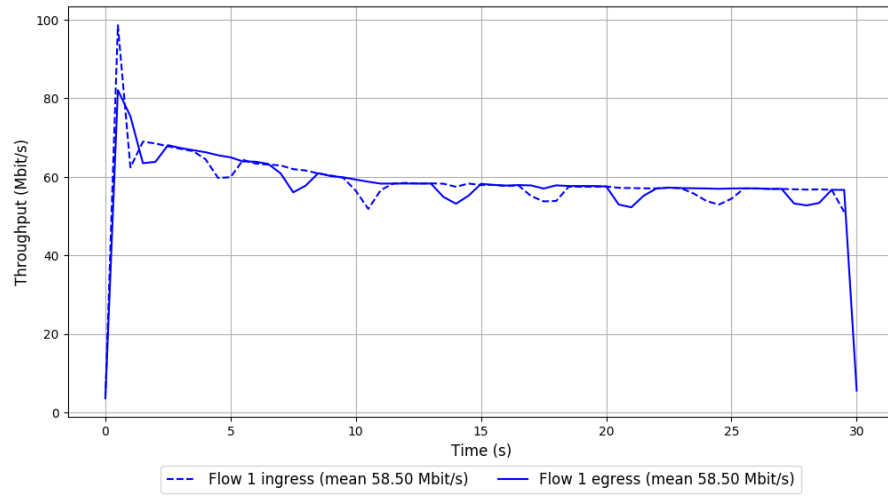
-- Flow 1:

Average throughput: 58.50 Mbit/s

95th percentile per-packet one-way delay: 52.013 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-27 18:57:15

End at: 2018-02-27 18:57:45

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.92 Mbit/s

95th percentile per-packet one-way delay: 51.769 ms

Loss rate: 0.00%

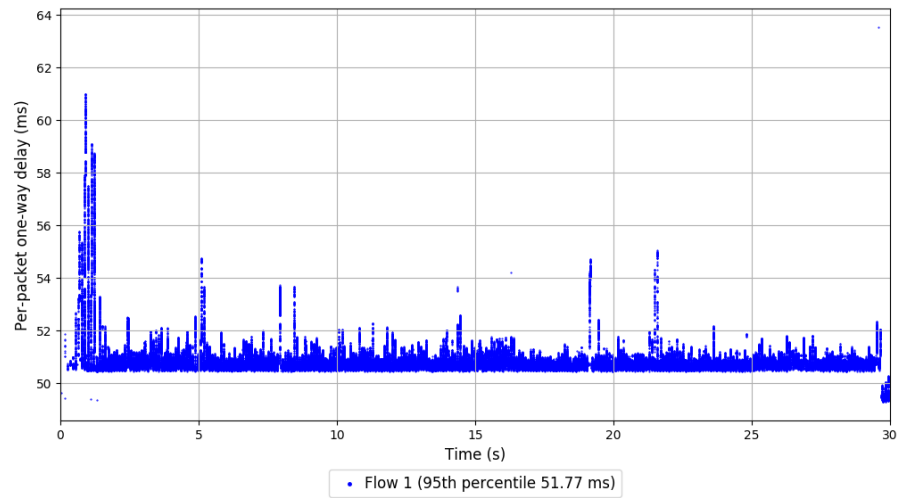
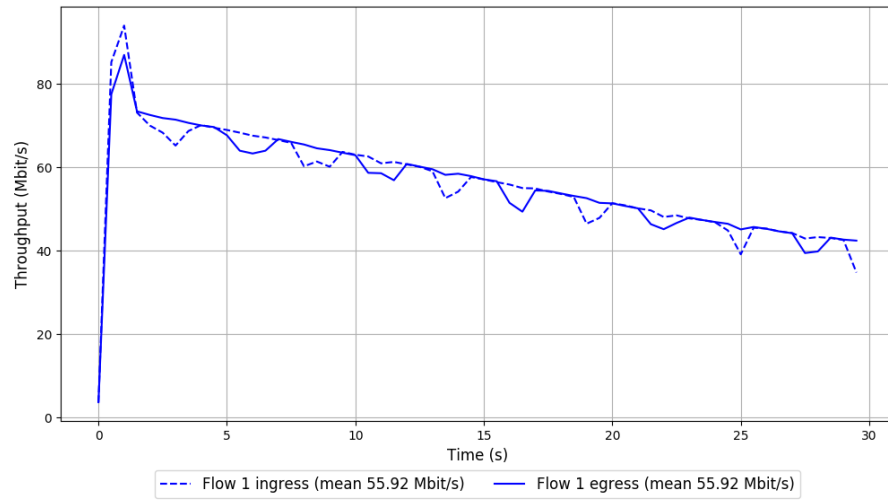
-- Flow 1:

Average throughput: 55.92 Mbit/s

95th percentile per-packet one-way delay: 51.769 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-27 19:11:48

End at: 2018-02-27 19:12:18

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.74 Mbit/s

95th percentile per-packet one-way delay: 51.381 ms

Loss rate: 0.00%

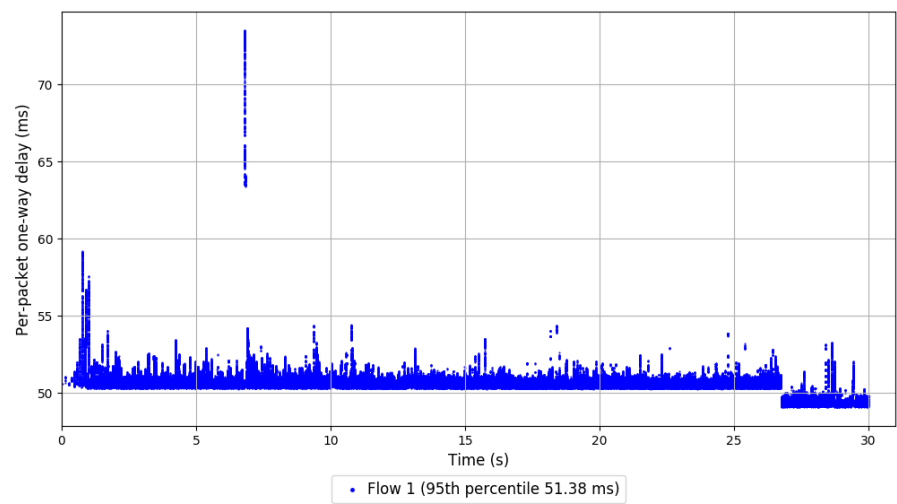
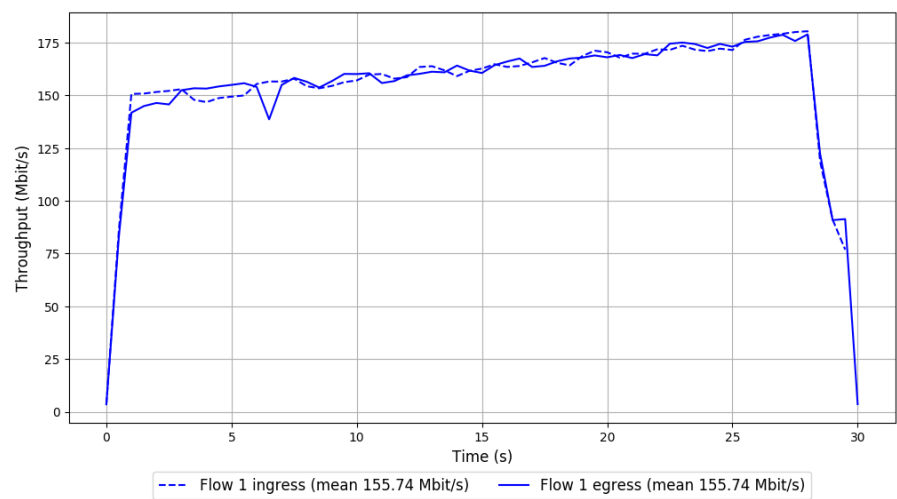
-- Flow 1:

Average throughput: 155.74 Mbit/s

95th percentile per-packet one-way delay: 51.381 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-27 17:10:53

End at: 2018-02-27 17:11:23

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.87 Mbit/s

95th percentile per-packet one-way delay: 85.287 ms

Loss rate: 0.00%

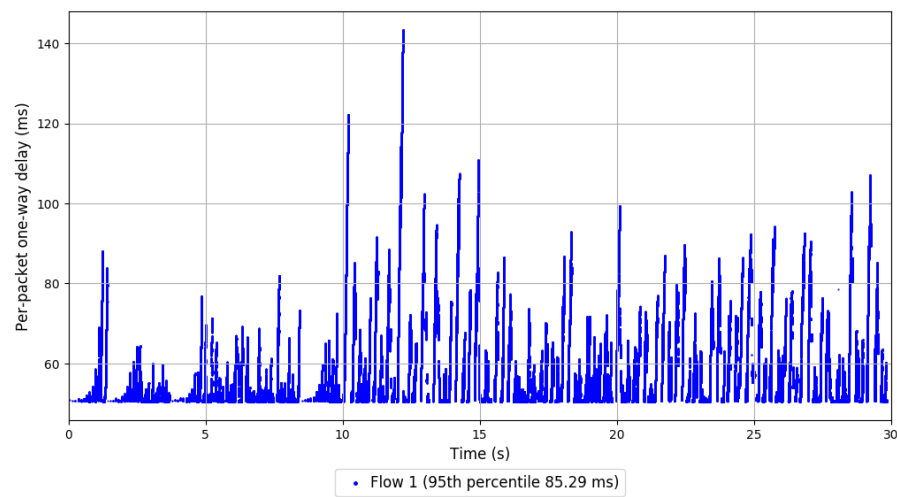
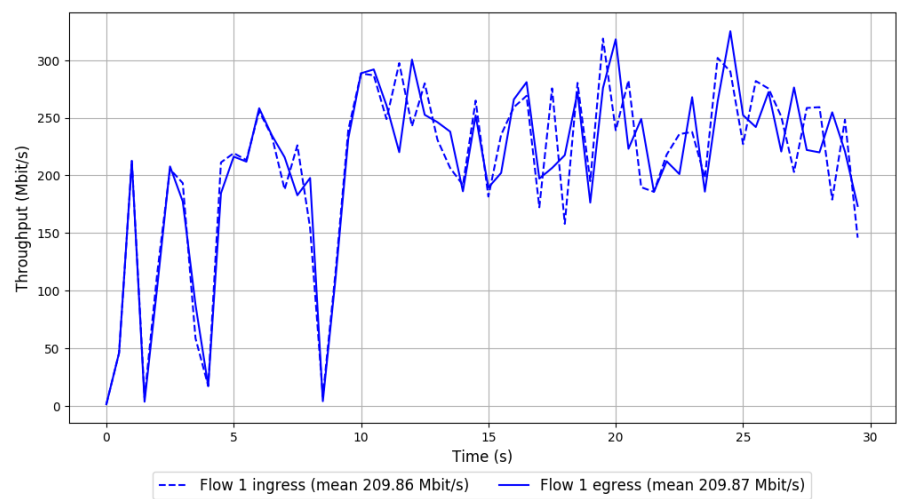
-- Flow 1:

Average throughput: 209.87 Mbit/s

95th percentile per-packet one-way delay: 85.287 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-27 17:25:24

End at: 2018-02-27 17:25:54

Below is generated by plot.py at 2018-02-27 22:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.84 Mbit/s

95th percentile per-packet one-way delay: 69.841 ms

Loss rate: 0.00%

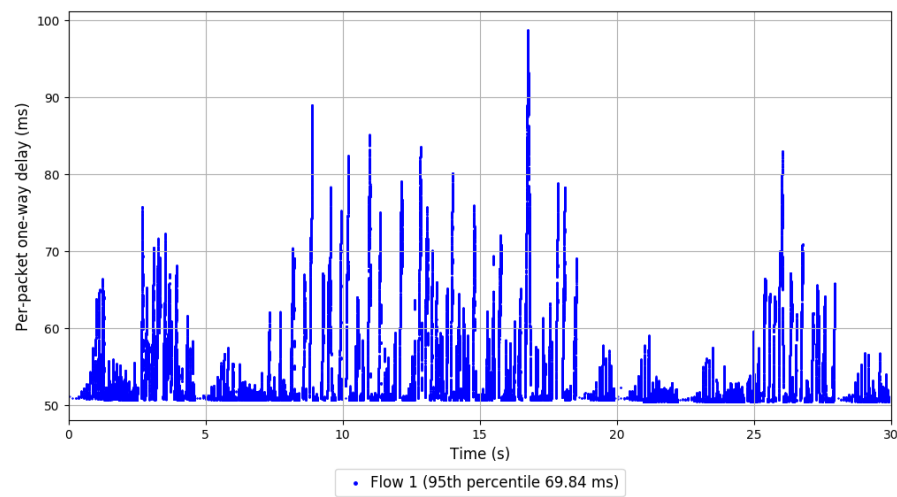
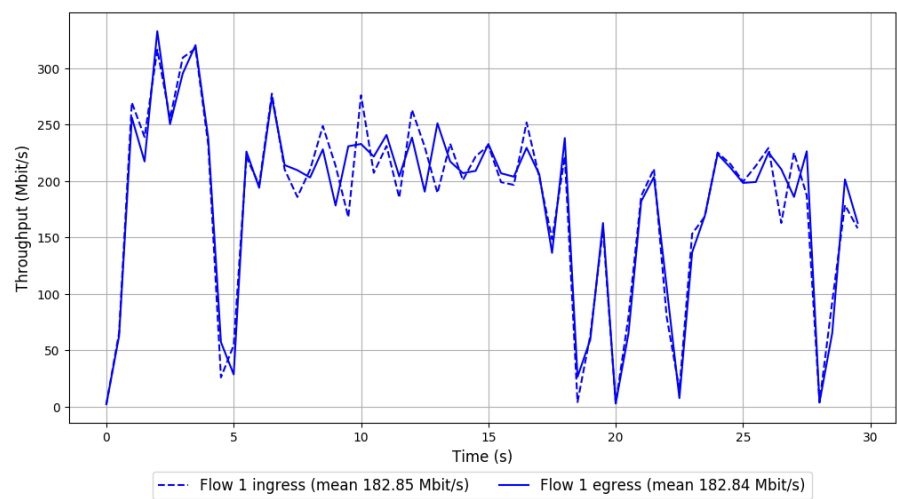
-- Flow 1:

Average throughput: 182.84 Mbit/s

95th percentile per-packet one-way delay: 69.841 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-27 17:39:56

End at: 2018-02-27 17:40:26

Below is generated by plot.py at 2018-02-27 22:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.91 Mbit/s

95th percentile per-packet one-way delay: 124.862 ms

Loss rate: 0.00%

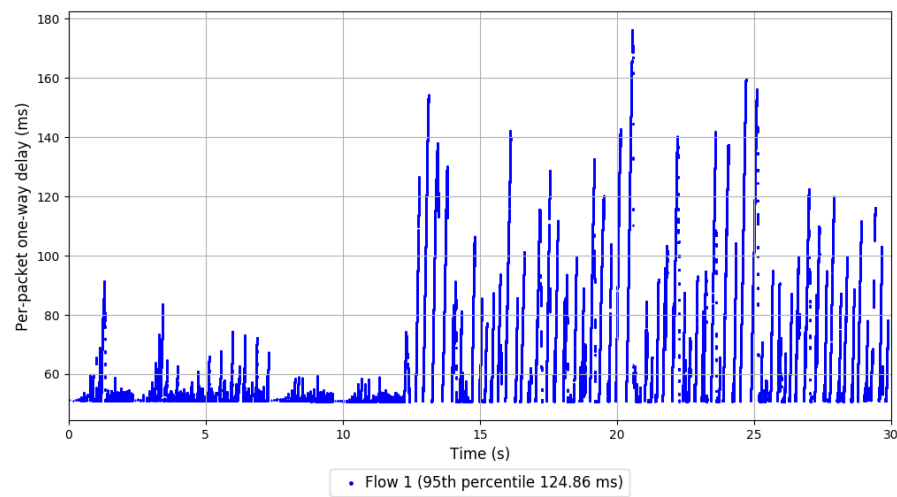
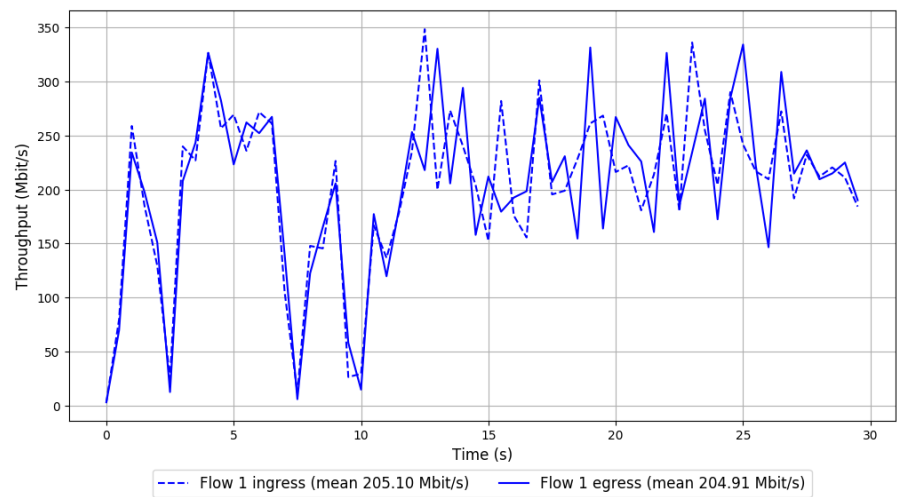
-- Flow 1:

Average throughput: 204.91 Mbit/s

95th percentile per-packet one-way delay: 124.862 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-27 17:54:24

End at: 2018-02-27 17:54:54

Below is generated by plot.py at 2018-02-27 22:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.26 Mbit/s

95th percentile per-packet one-way delay: 63.666 ms

Loss rate: 0.00%

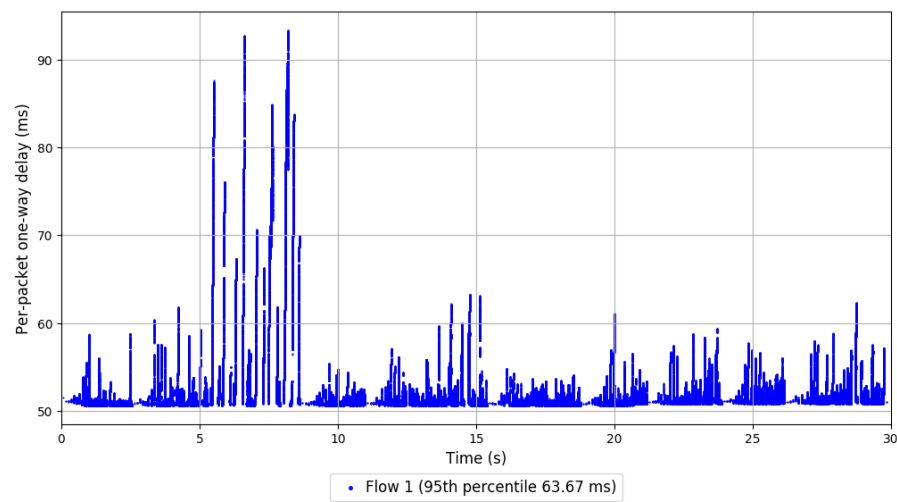
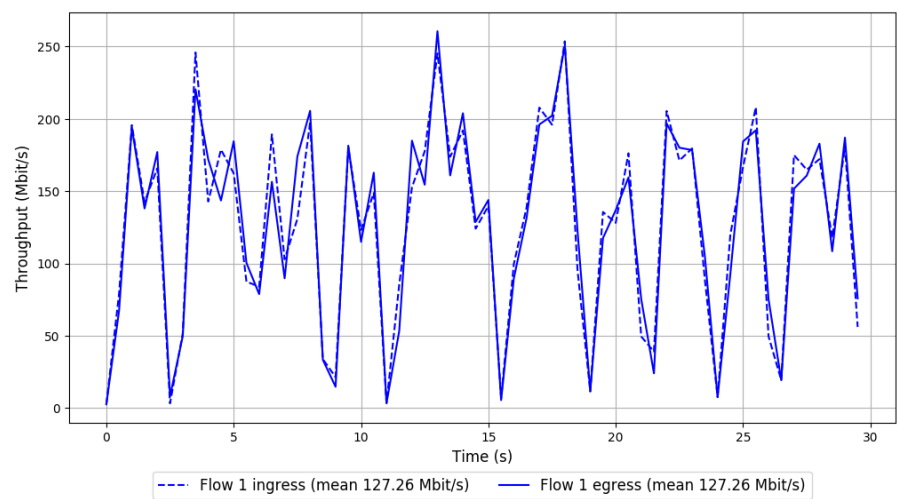
-- Flow 1:

Average throughput: 127.26 Mbit/s

95th percentile per-packet one-way delay: 63.666 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-27 18:08:47

End at: 2018-02-27 18:09:17

Below is generated by plot.py at 2018-02-27 22:42:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.29 Mbit/s

95th percentile per-packet one-way delay: 64.799 ms

Loss rate: 0.00%

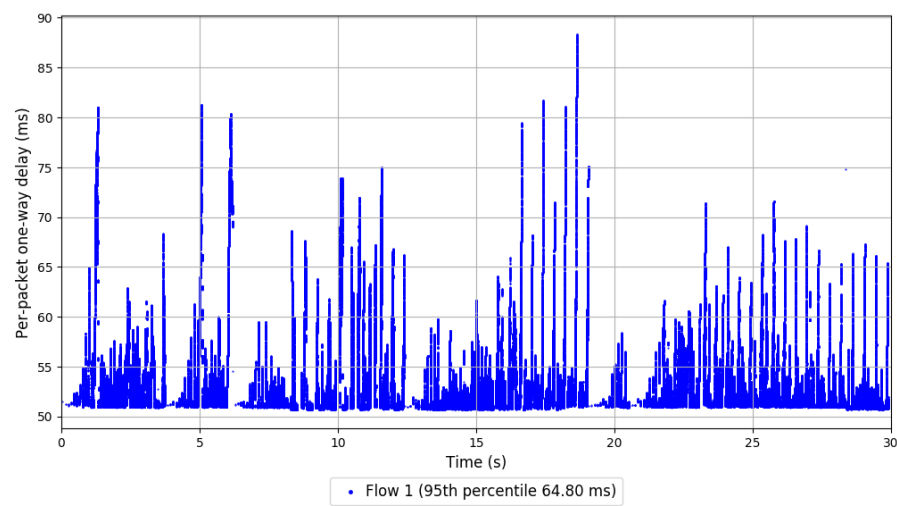
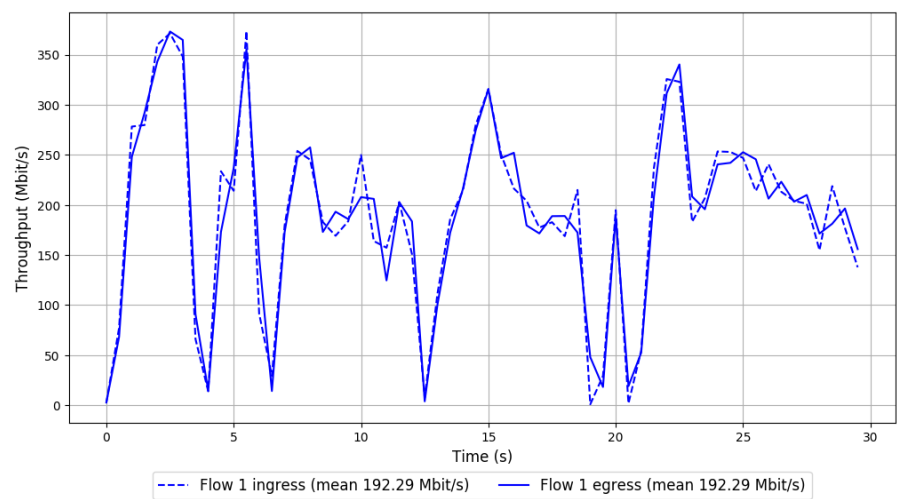
-- Flow 1:

Average throughput: 192.29 Mbit/s

95th percentile per-packet one-way delay: 64.799 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-27 18:23:07

End at: 2018-02-27 18:23:37

Below is generated by plot.py at 2018-02-27 22:44:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.59 Mbit/s

95th percentile per-packet one-way delay: 74.953 ms

Loss rate: 0.01%

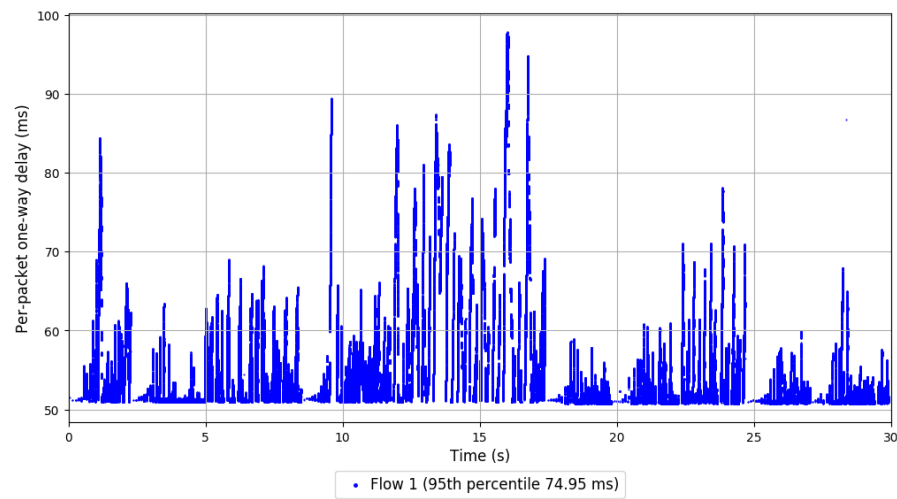
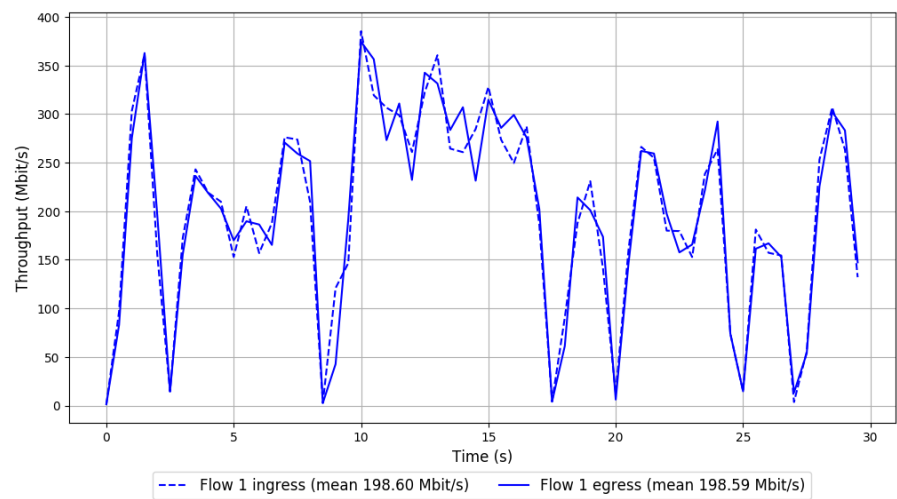
-- Flow 1:

Average throughput: 198.59 Mbit/s

95th percentile per-packet one-way delay: 74.953 ms

Loss rate: 0.01%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-27 18:37:45

End at: 2018-02-27 18:38:15

Below is generated by plot.py at 2018-02-27 22:46:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.53 Mbit/s

95th percentile per-packet one-way delay: 127.635 ms

Loss rate: 0.40%

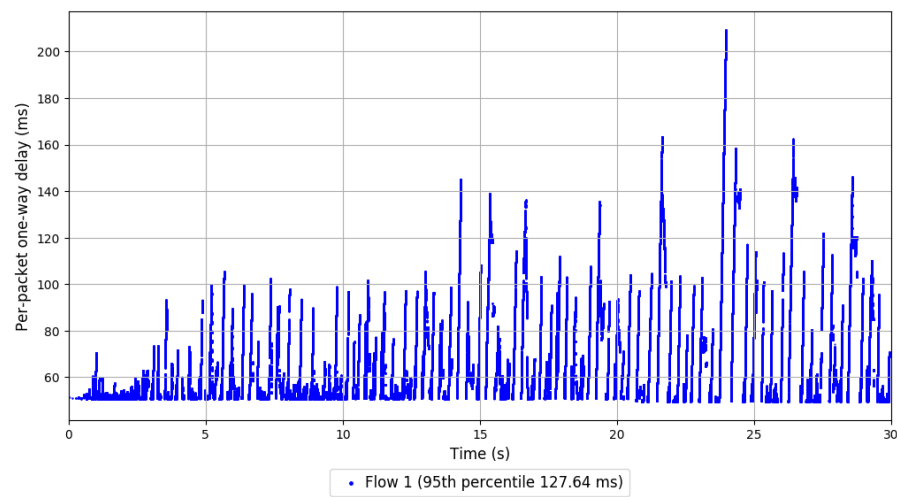
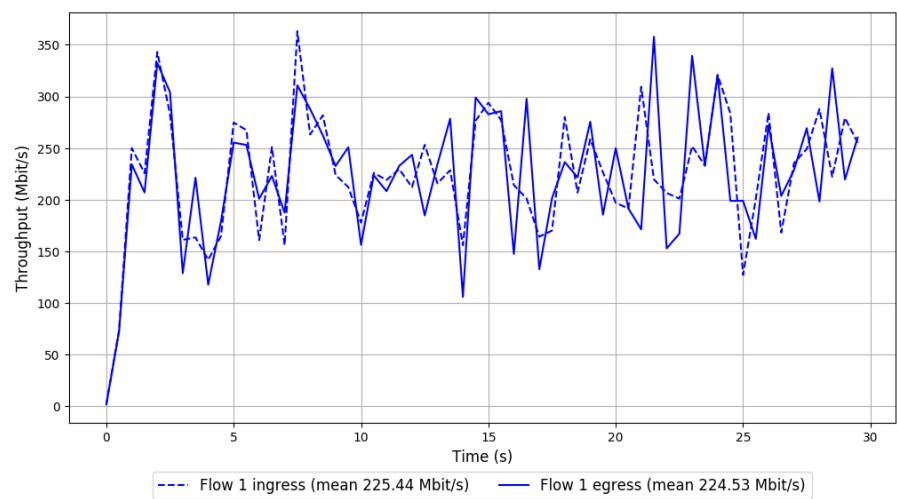
-- Flow 1:

Average throughput: 224.53 Mbit/s

95th percentile per-packet one-way delay: 127.635 ms

Loss rate: 0.40%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-27 18:52:17

End at: 2018-02-27 18:52:47

Below is generated by plot.py at 2018-02-27 22:46:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.14 Mbit/s

95th percentile per-packet one-way delay: 98.066 ms

Loss rate: 0.01%

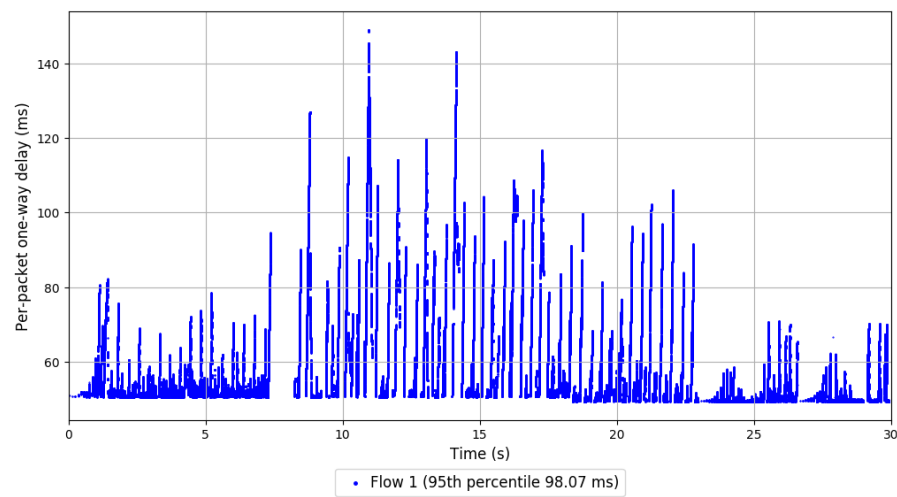
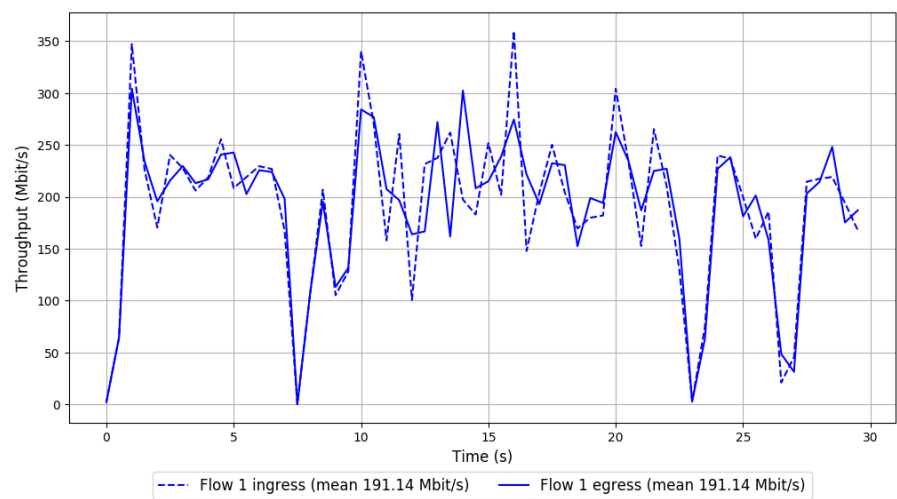
-- Flow 1:

Average throughput: 191.14 Mbit/s

95th percentile per-packet one-way delay: 98.066 ms

Loss rate: 0.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-27 19:06:57

End at: 2018-02-27 19:07:27

Below is generated by plot.py at 2018-02-27 22:47:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.95 Mbit/s

95th percentile per-packet one-way delay: 154.229 ms

Loss rate: 0.04%

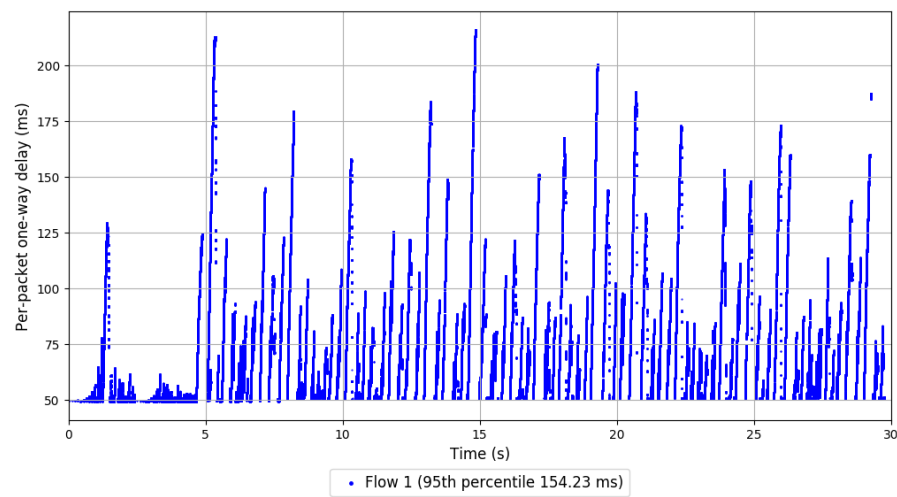
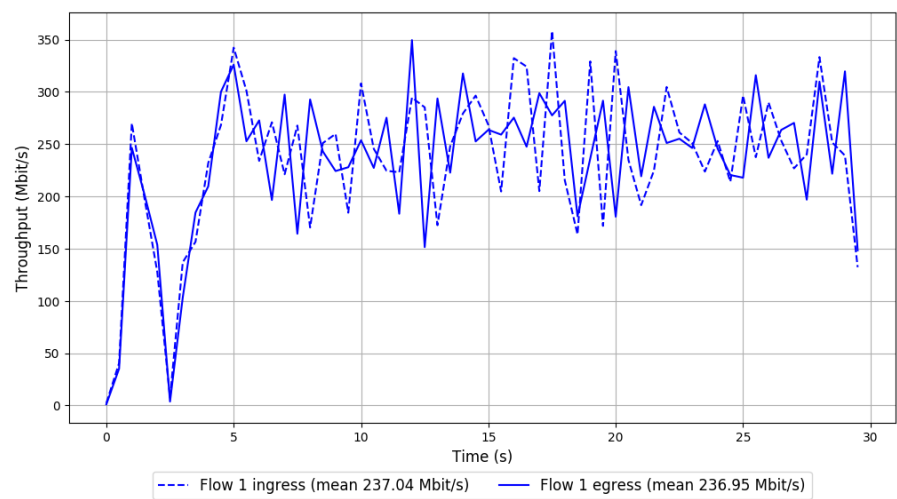
-- Flow 1:

Average throughput: 236.95 Mbit/s

95th percentile per-packet one-way delay: 154.229 ms

Loss rate: 0.04%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-27 19:21:35

End at: 2018-02-27 19:22:05

Below is generated by plot.py at 2018-02-27 22:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.87 Mbit/s

95th percentile per-packet one-way delay: 106.458 ms

Loss rate: 0.00%

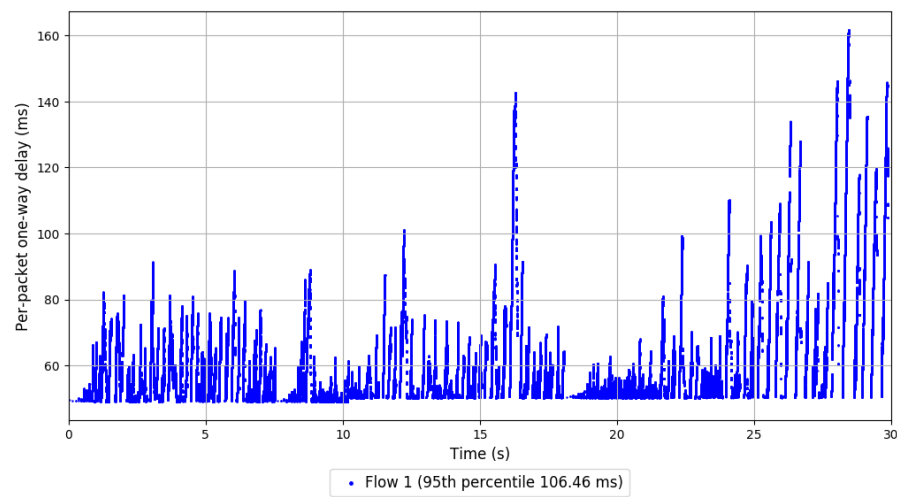
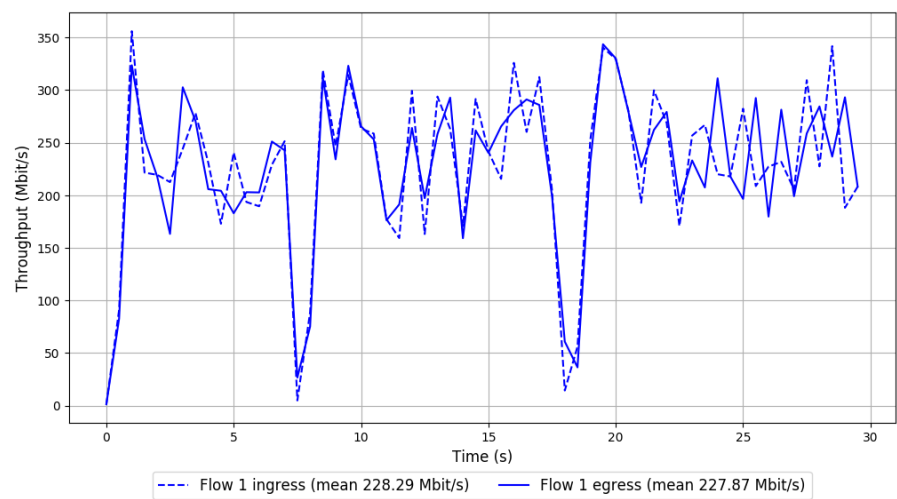
-- Flow 1:

Average throughput: 227.87 Mbit/s

95th percentile per-packet one-way delay: 106.458 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-27 17:00:30

End at: 2018-02-27 17:01:00

Below is generated by plot.py at 2018-02-27 22:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.00%

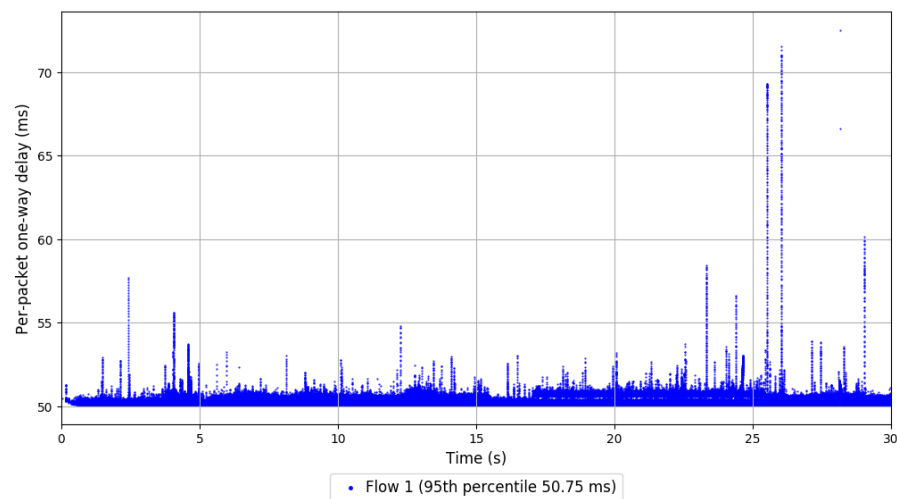
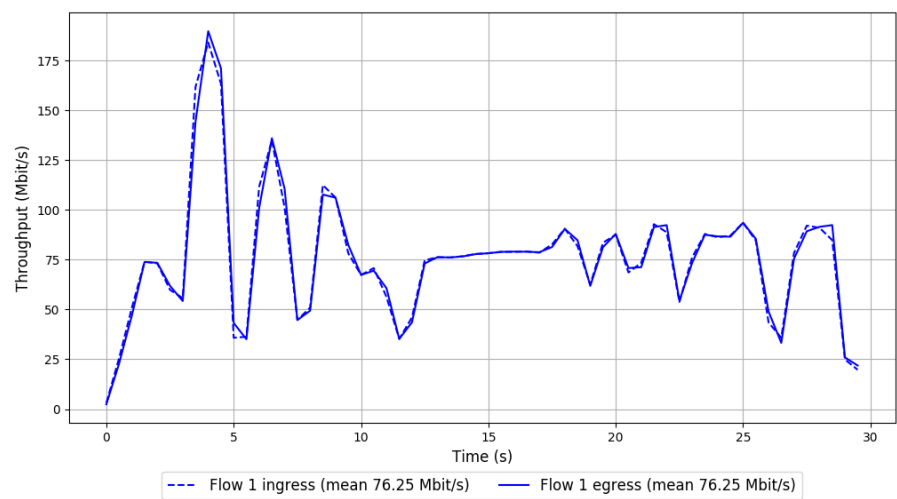
-- Flow 1:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-27 17:14:57

End at: 2018-02-27 17:15:27

Below is generated by plot.py at 2018-02-27 22:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.00%

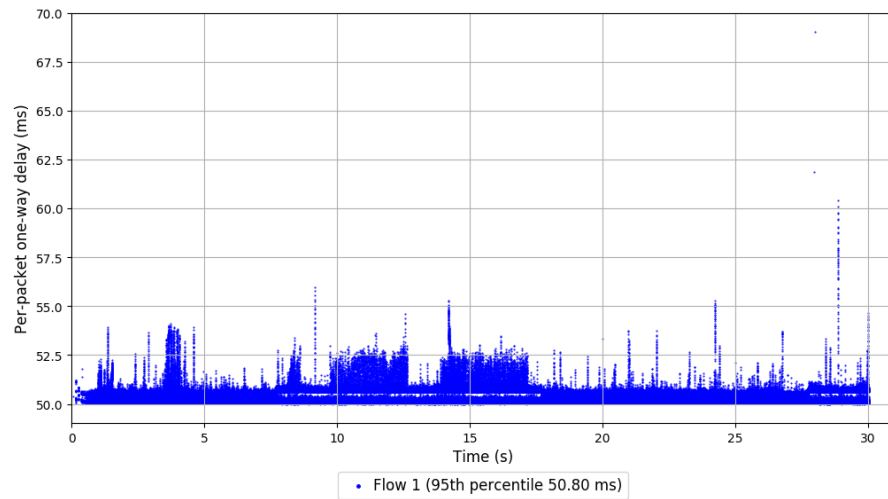
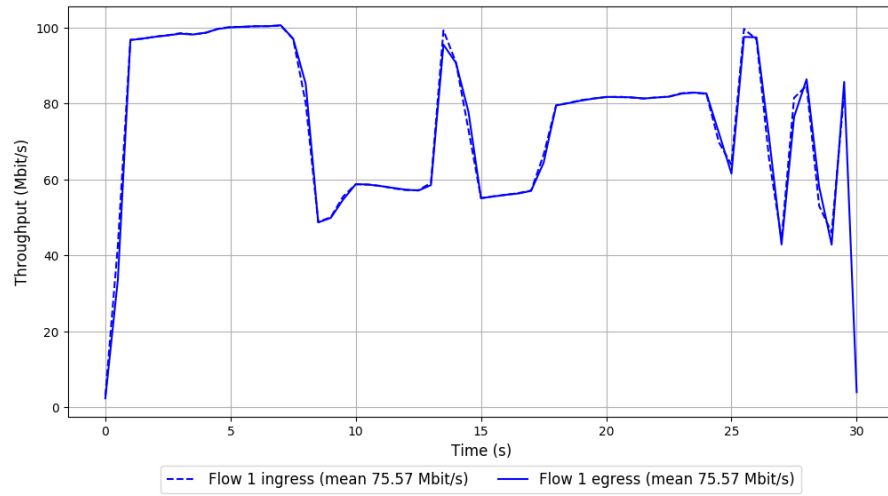
-- Flow 1:

Average throughput: 75.57 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-27 17:29:31

End at: 2018-02-27 17:30:01

Below is generated by plot.py at 2018-02-27 22:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.83 Mbit/s

95th percentile per-packet one-way delay: 50.951 ms

Loss rate: 0.00%

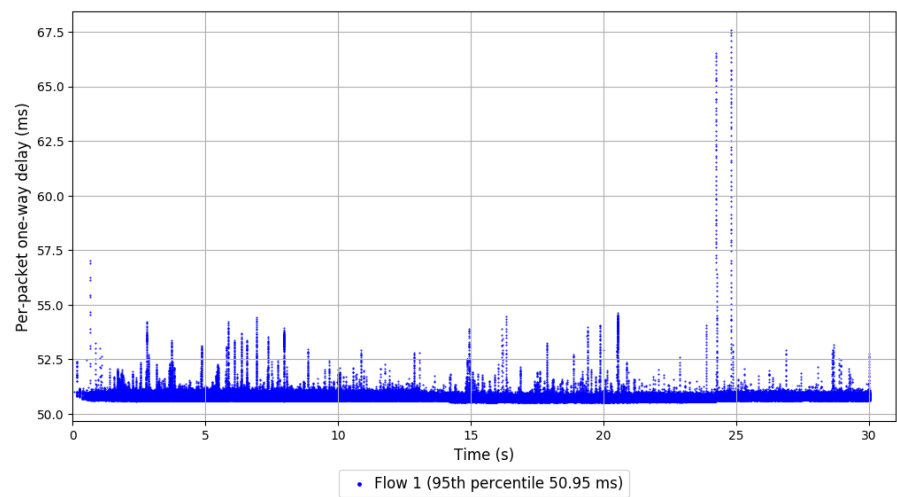
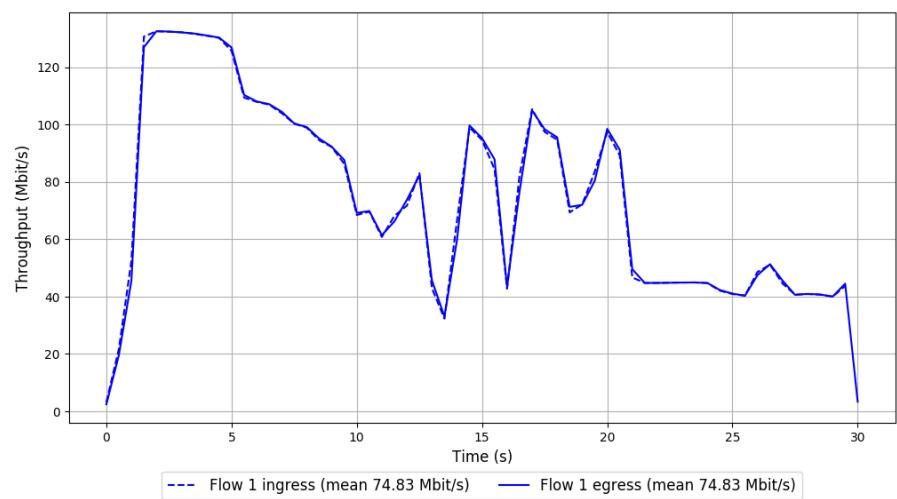
-- Flow 1:

Average throughput: 74.83 Mbit/s

95th percentile per-packet one-way delay: 50.951 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-27 17:44:03

End at: 2018-02-27 17:44:33

Below is generated by plot.py at 2018-02-27 22:49:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.87 Mbit/s

95th percentile per-packet one-way delay: 51.061 ms

Loss rate: 0.01%

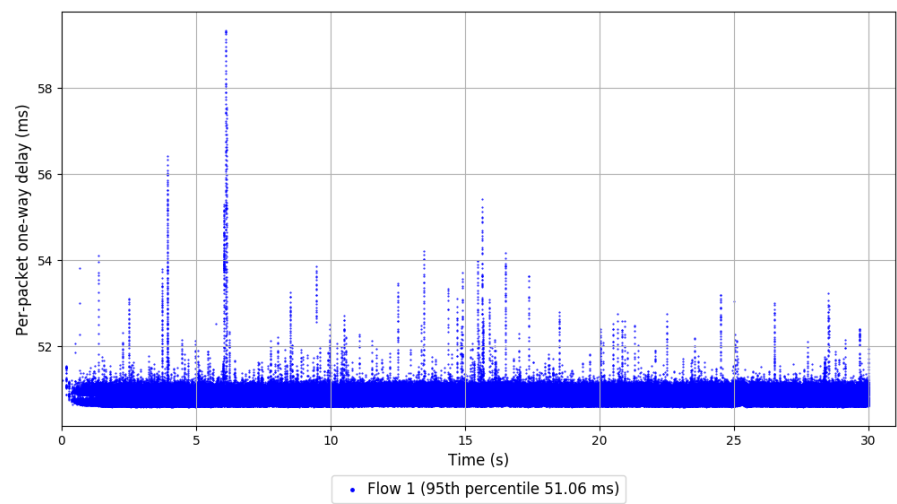
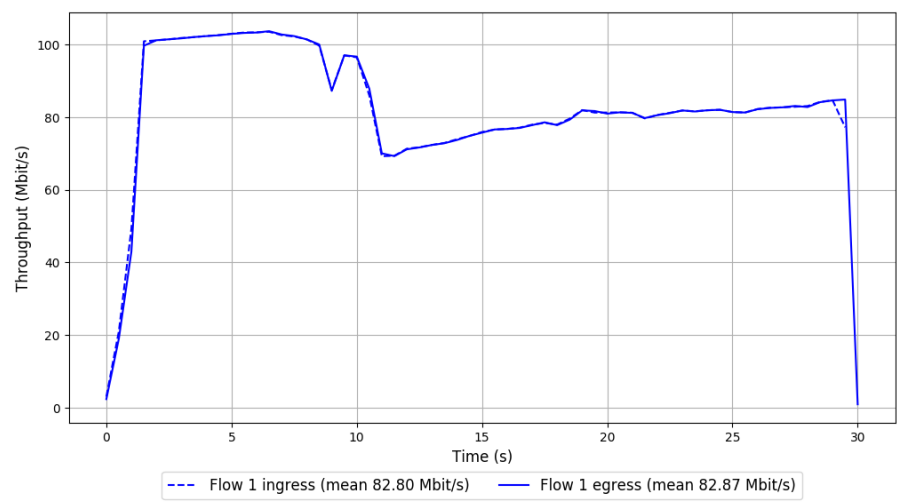
-- Flow 1:

Average throughput: 82.87 Mbit/s

95th percentile per-packet one-way delay: 51.061 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-27 17:58:25

End at: 2018-02-27 17:58:55

Below is generated by plot.py at 2018-02-27 22:50:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 0.00%

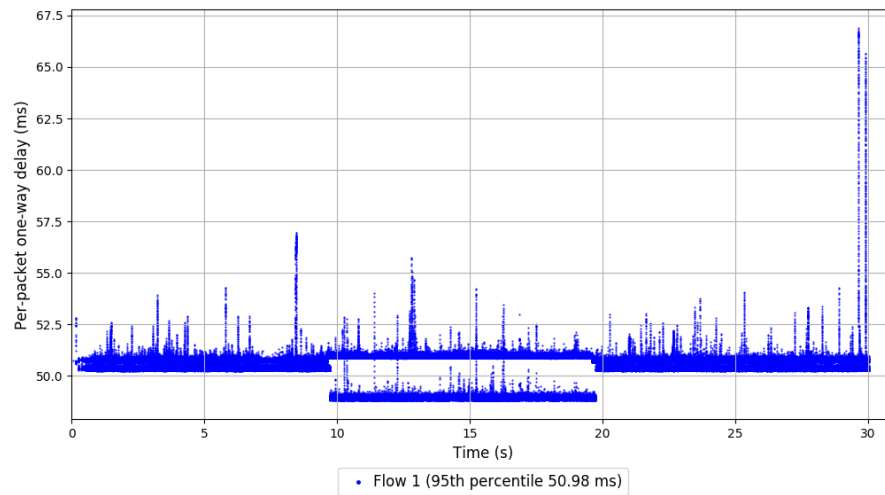
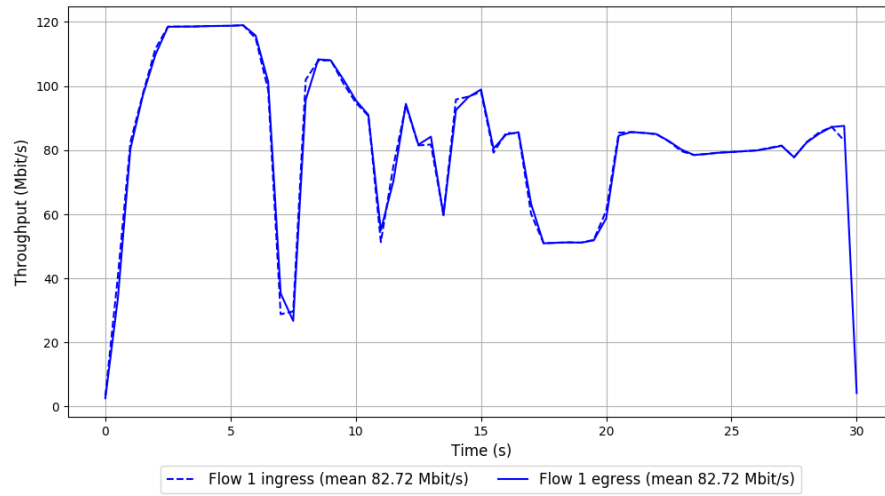
-- Flow 1:

Average throughput: 82.72 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-27 18:12:53

End at: 2018-02-27 18:13:23

Below is generated by plot.py at 2018-02-27 22:50:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 51.125 ms

Loss rate: 0.00%

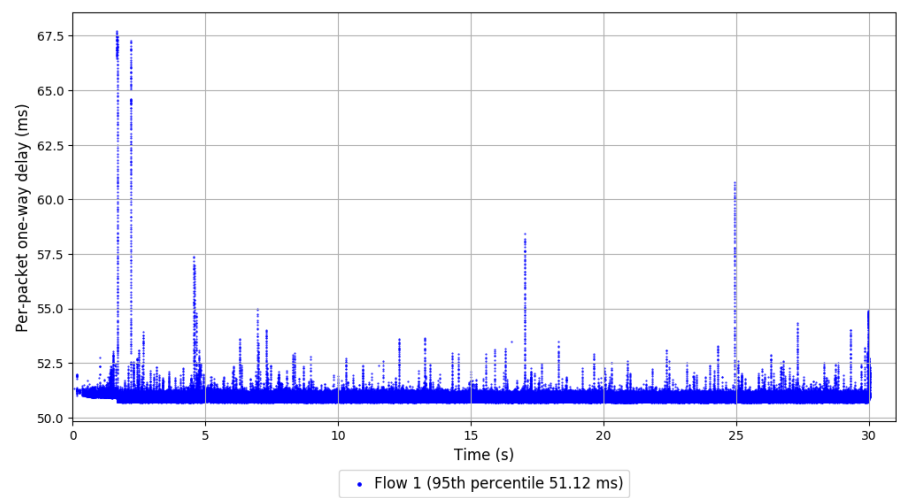
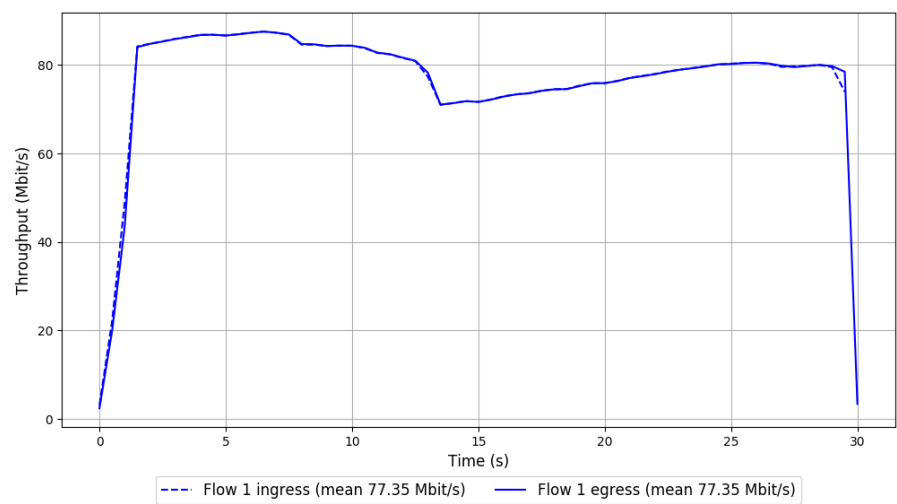
-- Flow 1:

Average throughput: 77.35 Mbit/s

95th percentile per-packet one-way delay: 51.125 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-27 18:27:15

End at: 2018-02-27 18:27:45

Below is generated by plot.py at 2018-02-27 22:50:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 51.079 ms

Loss rate: 0.00%

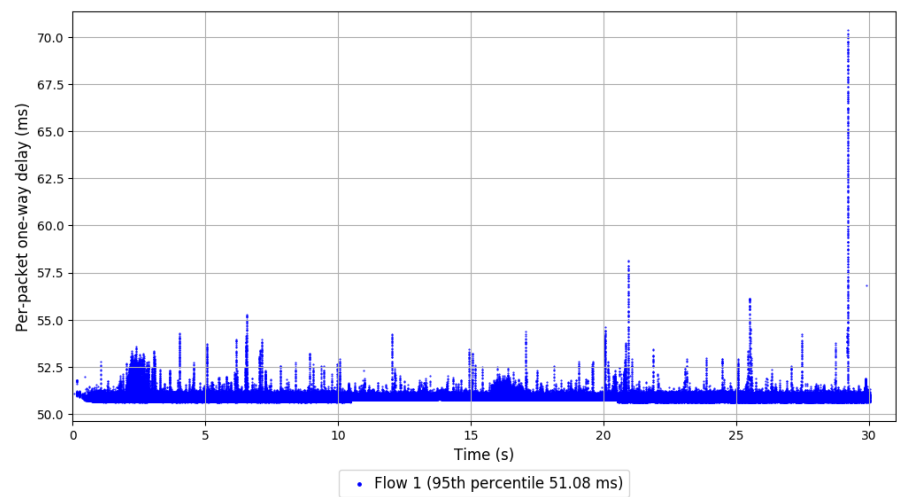
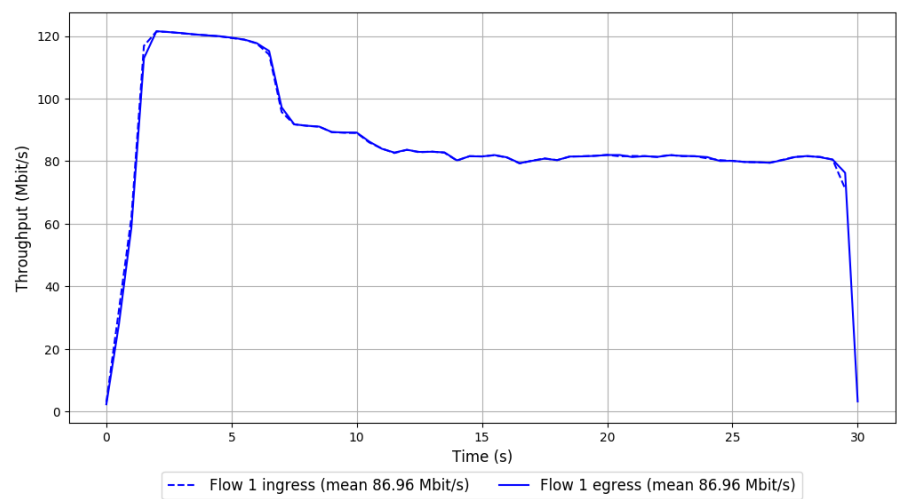
-- Flow 1:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 51.079 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-27 18:41:56

End at: 2018-02-27 18:42:26

Below is generated by plot.py at 2018-02-27 22:50:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.91 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

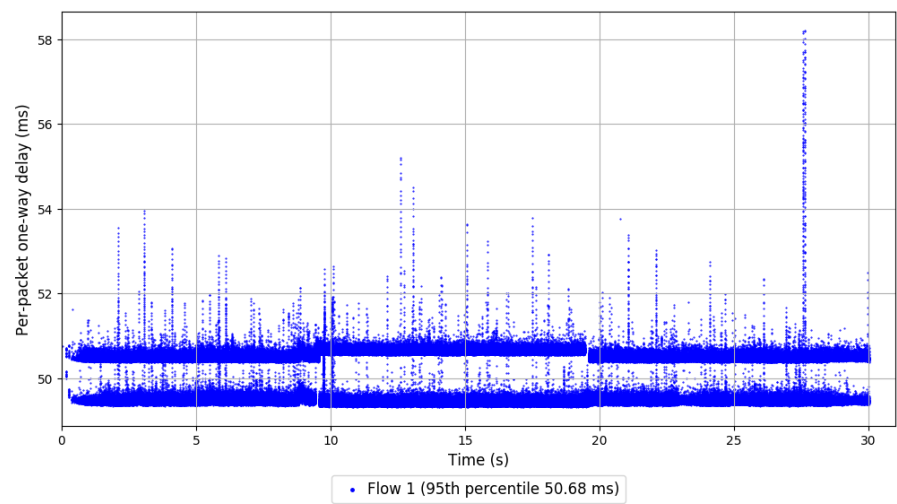
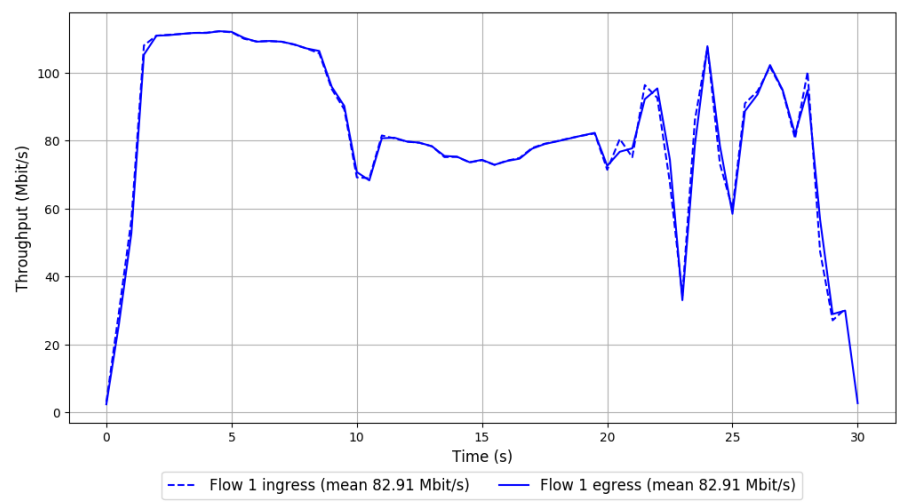
-- Flow 1:

Average throughput: 82.91 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-27 18:56:31

End at: 2018-02-27 18:57:01

Below is generated by plot.py at 2018-02-27 22:51:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 50.513 ms

Loss rate: 0.00%

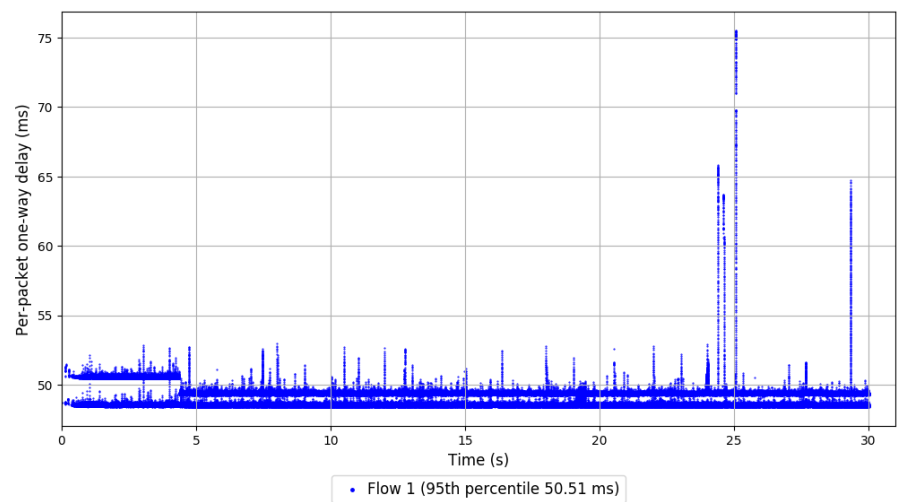
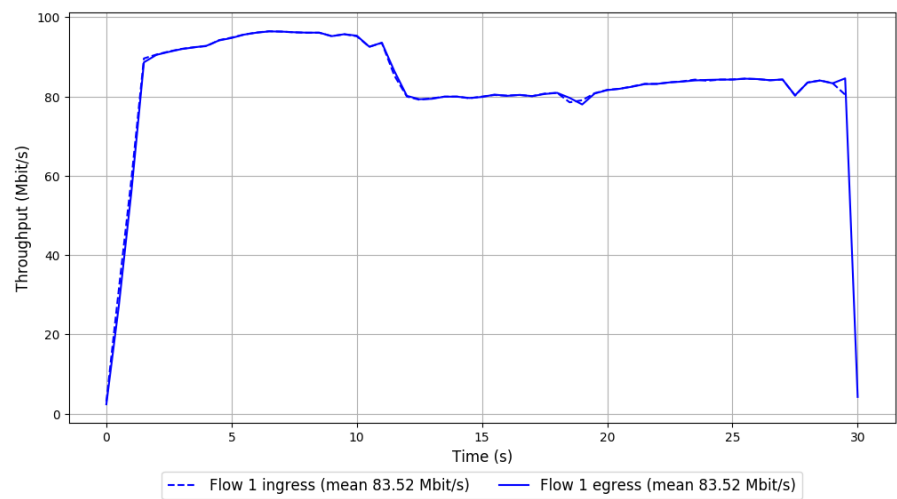
-- Flow 1:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 50.513 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-27 19:11:06

End at: 2018-02-27 19:11:36

Below is generated by plot.py at 2018-02-27 22:51:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.24 Mbit/s

95th percentile per-packet one-way delay: 50.499 ms

Loss rate: 0.00%

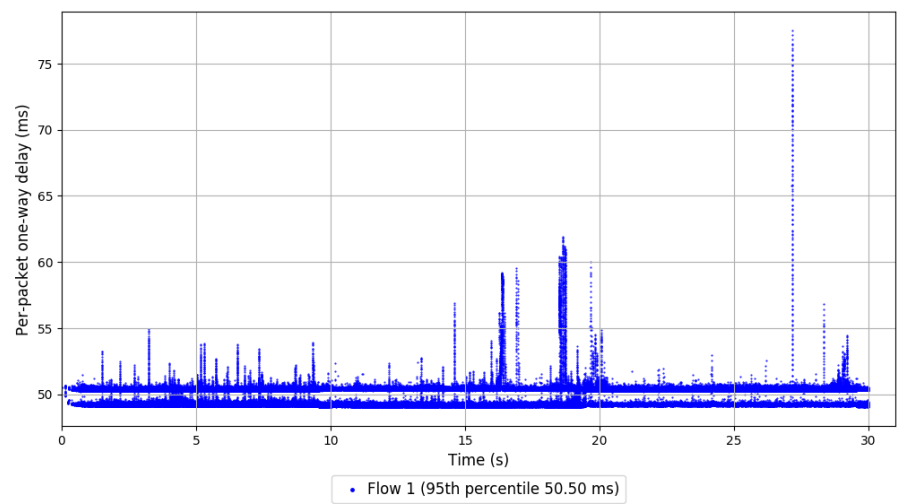
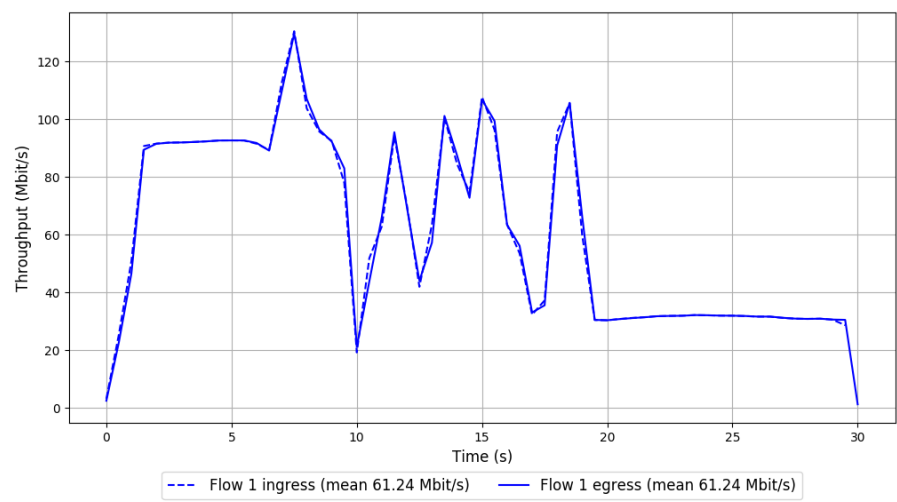
-- Flow 1:

Average throughput: 61.24 Mbit/s

95th percentile per-packet one-way delay: 50.499 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-27 17:04:15

End at: 2018-02-27 17:04:45

Below is generated by plot.py at 2018-02-27 23:13:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 845.96 Mbit/s

95th percentile per-packet one-way delay: 237.819 ms

Loss rate: 0.70%

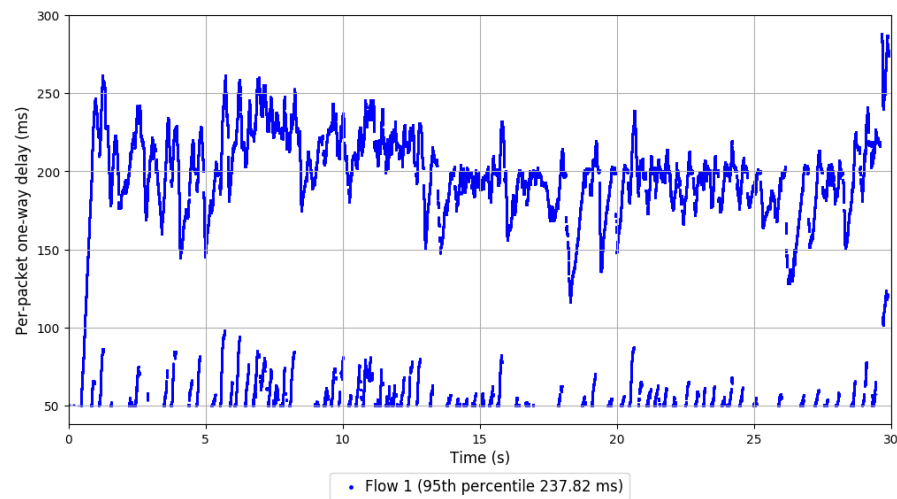
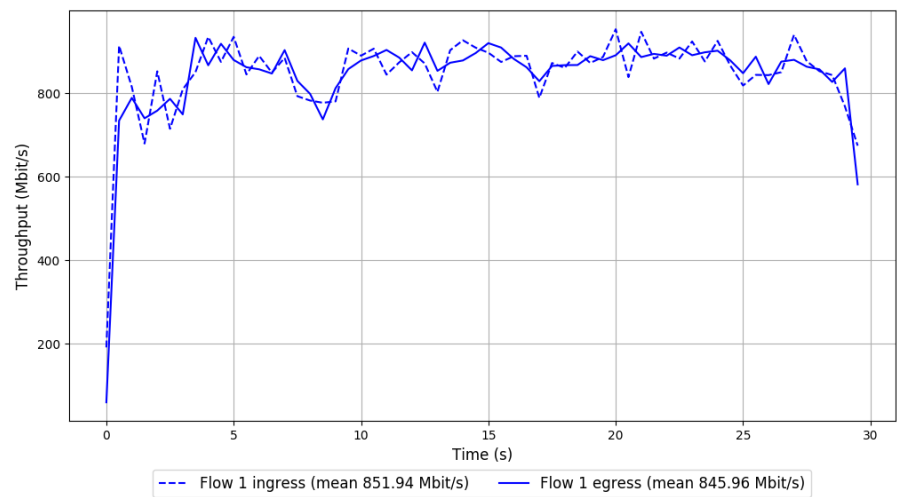
-- Flow 1:

Average throughput: 845.96 Mbit/s

95th percentile per-packet one-way delay: 237.819 ms

Loss rate: 0.70%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-27 17:18:41

End at: 2018-02-27 17:19:11

Below is generated by plot.py at 2018-02-27 23:15:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 841.90 Mbit/s

95th percentile per-packet one-way delay: 247.793 ms

Loss rate: 0.54%

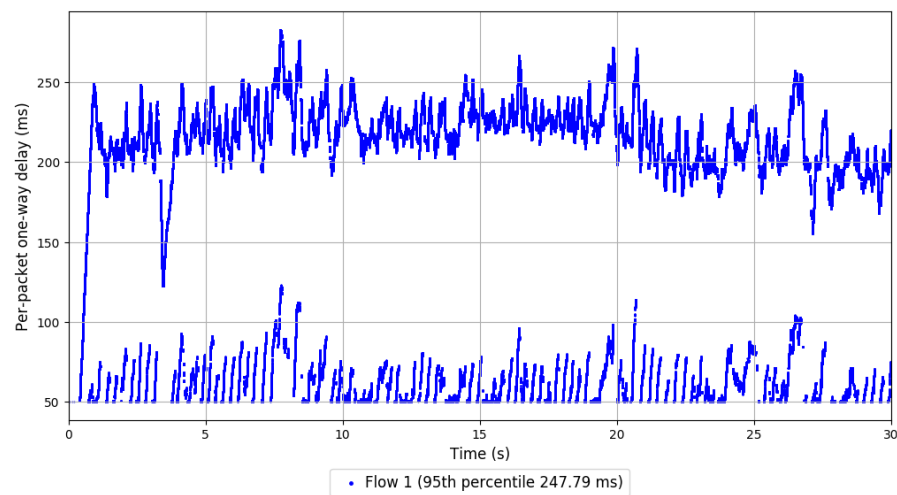
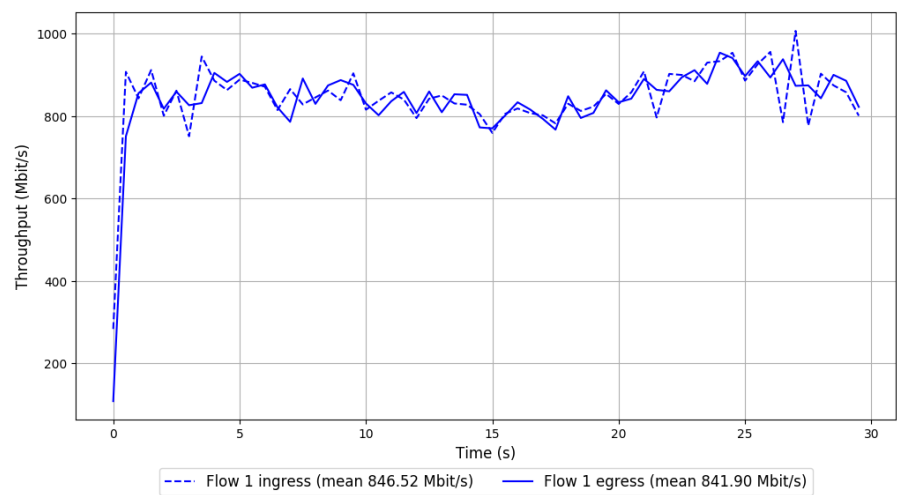
-- Flow 1:

Average throughput: 841.90 Mbit/s

95th percentile per-packet one-way delay: 247.793 ms

Loss rate: 0.54%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-27 17:33:17

End at: 2018-02-27 17:33:47

Below is generated by plot.py at 2018-02-27 23:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 867.15 Mbit/s

95th percentile per-packet one-way delay: 224.426 ms

Loss rate: 0.49%

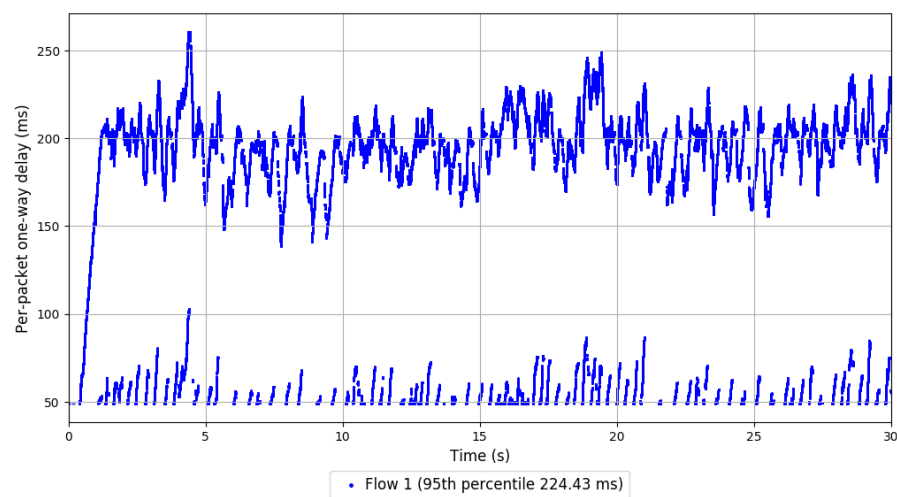
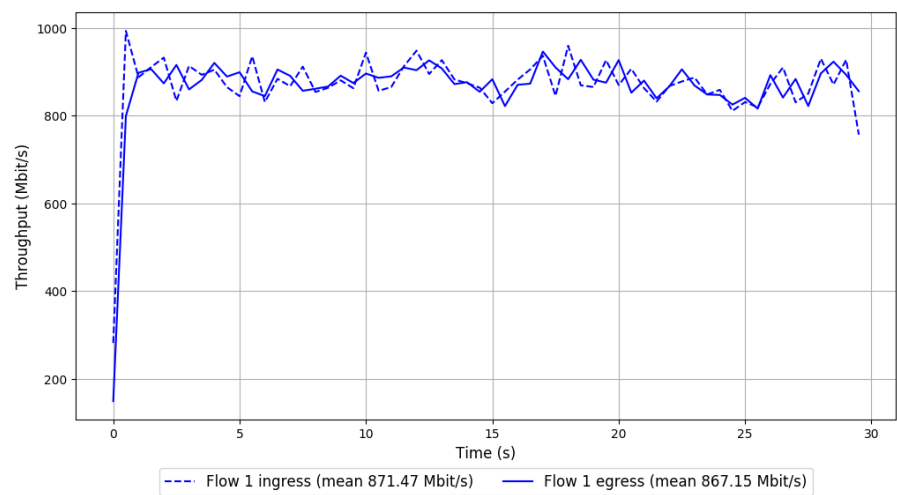
-- Flow 1:

Average throughput: 867.15 Mbit/s

95th percentile per-packet one-way delay: 224.426 ms

Loss rate: 0.49%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-27 17:47:45

End at: 2018-02-27 17:48:15

Below is generated by plot.py at 2018-02-27 23:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 871.87 Mbit/s

95th percentile per-packet one-way delay: 233.137 ms

Loss rate: 0.65%

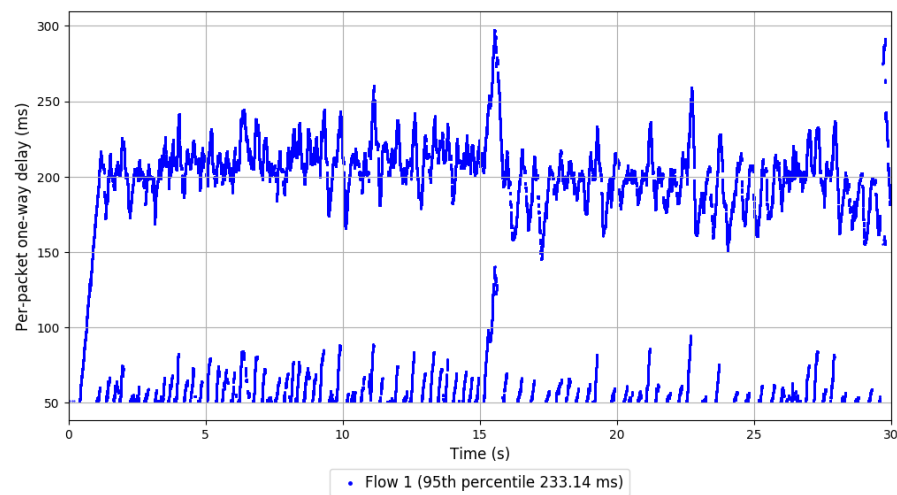
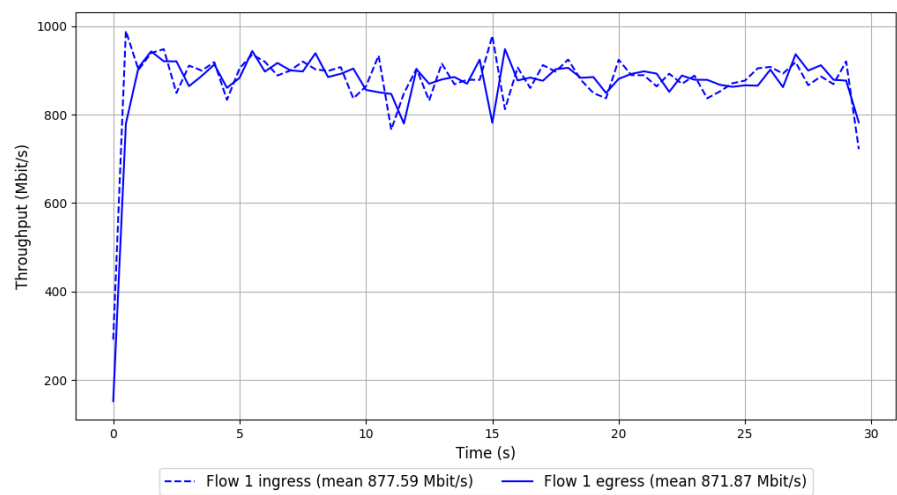
-- Flow 1:

Average throughput: 871.87 Mbit/s

95th percentile per-packet one-way delay: 233.137 ms

Loss rate: 0.65%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-27 18:02:11

End at: 2018-02-27 18:02:41

Below is generated by plot.py at 2018-02-27 23:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 823.35 Mbit/s

95th percentile per-packet one-way delay: 261.773 ms

Loss rate: 0.96%

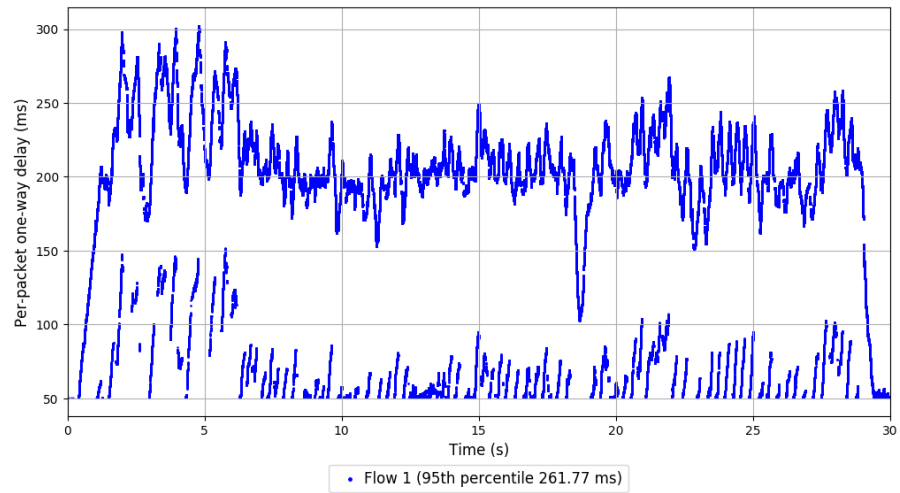
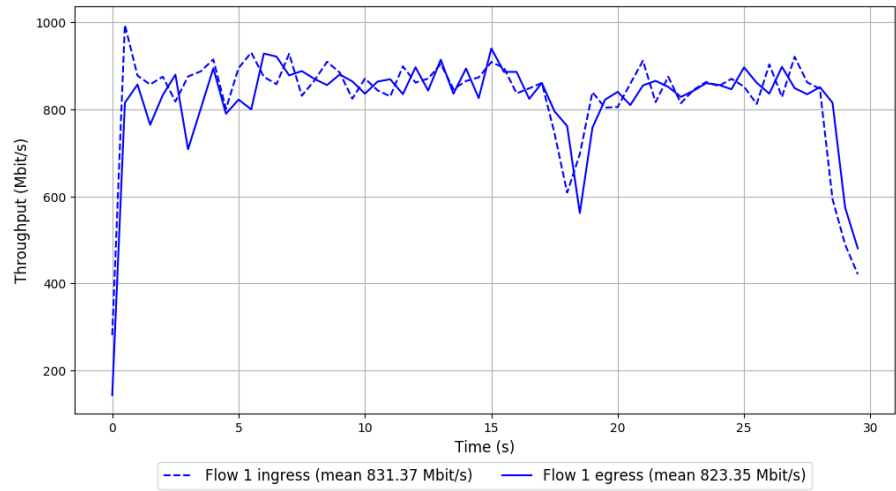
-- Flow 1:

Average throughput: 823.35 Mbit/s

95th percentile per-packet one-way delay: 261.773 ms

Loss rate: 0.96%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-27 18:16:35

End at: 2018-02-27 18:17:05

Below is generated by plot.py at 2018-02-27 23:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 828.32 Mbit/s

95th percentile per-packet one-way delay: 246.843 ms

Loss rate: 0.74%

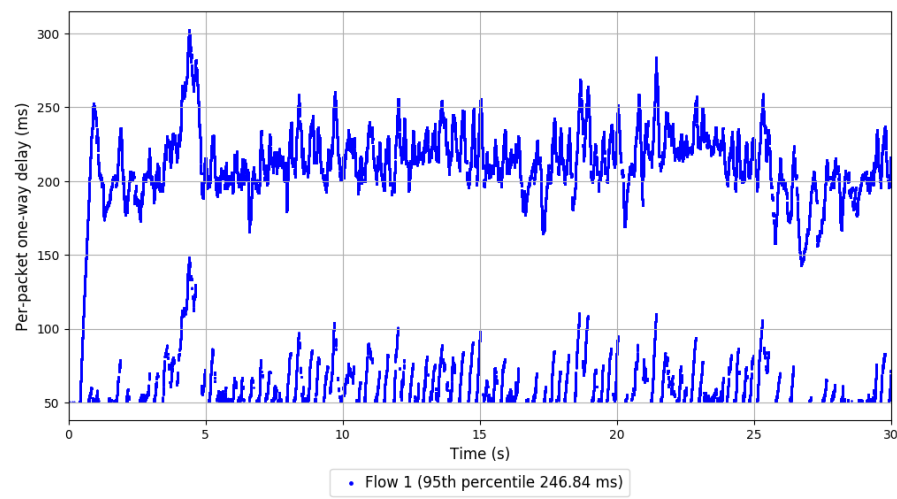
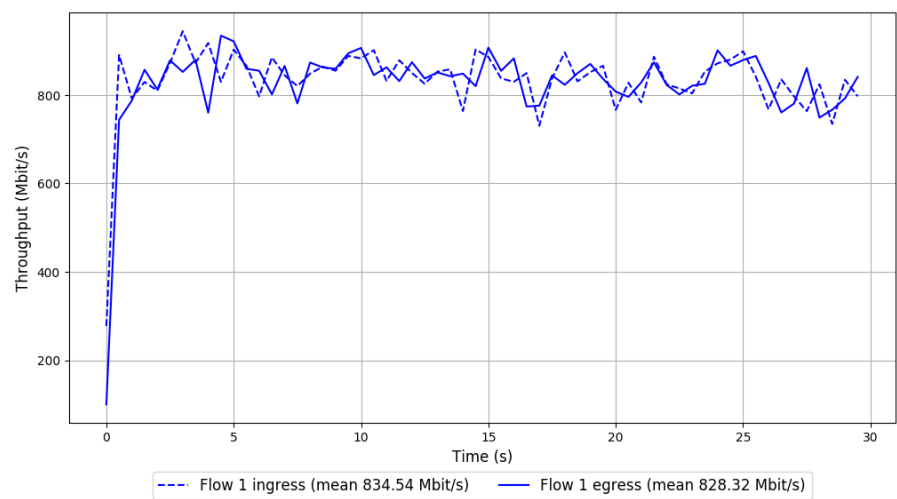
-- Flow 1:

Average throughput: 828.32 Mbit/s

95th percentile per-packet one-way delay: 246.843 ms

Loss rate: 0.74%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-27 18:31:03

End at: 2018-02-27 18:31:33

Below is generated by plot.py at 2018-02-27 23:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 840.65 Mbit/s

95th percentile per-packet one-way delay: 218.486 ms

Loss rate: 0.46%

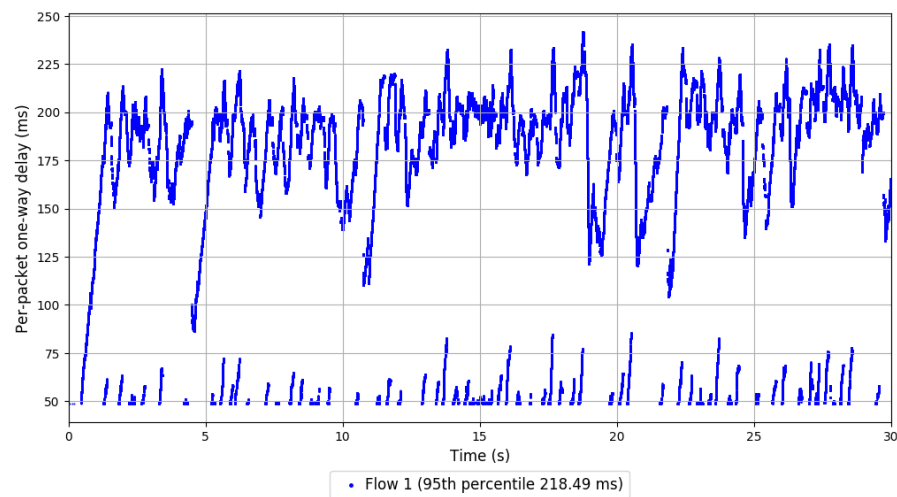
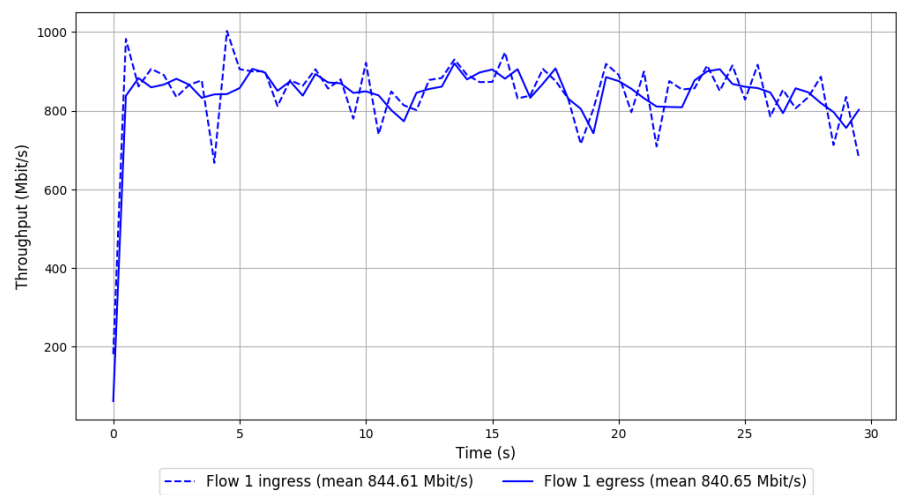
-- Flow 1:

Average throughput: 840.65 Mbit/s

95th percentile per-packet one-way delay: 218.486 ms

Loss rate: 0.46%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-27 18:45:38

End at: 2018-02-27 18:46:08

Below is generated by plot.py at 2018-02-27 23:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 825.90 Mbit/s

95th percentile per-packet one-way delay: 242.518 ms

Loss rate: 0.51%

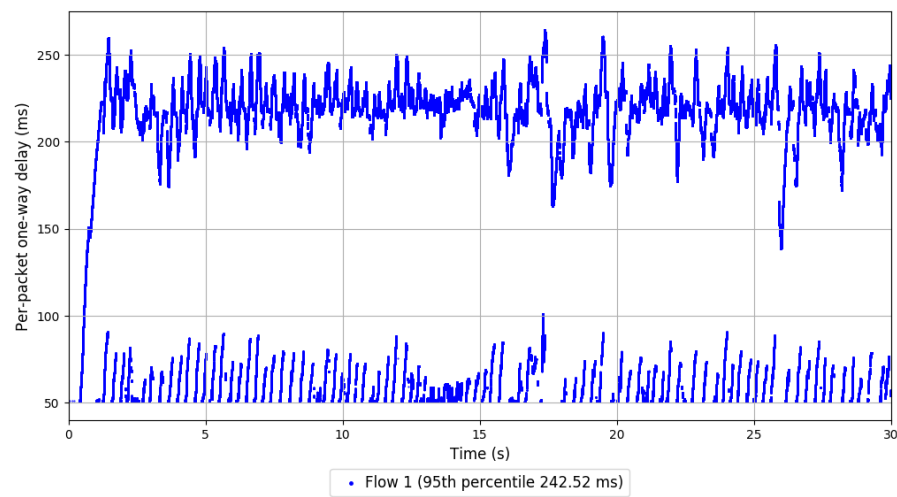
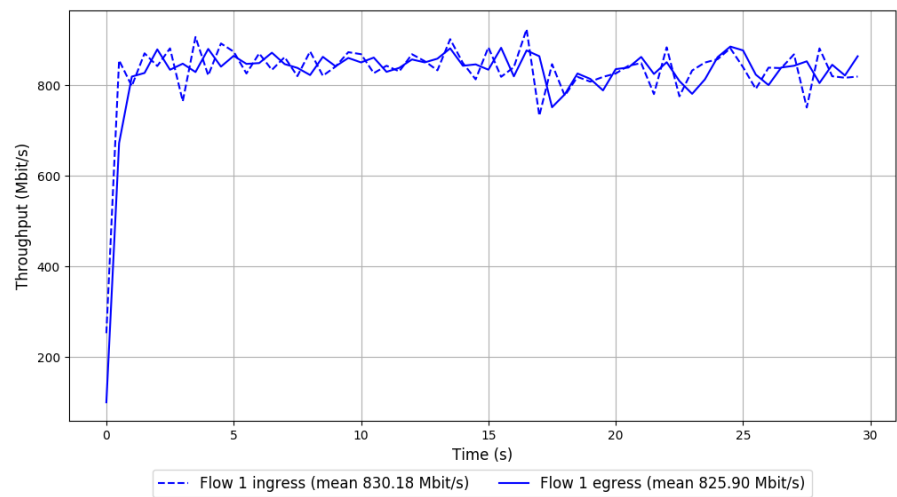
-- Flow 1:

Average throughput: 825.90 Mbit/s

95th percentile per-packet one-way delay: 242.518 ms

Loss rate: 0.51%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-27 19:00:15

End at: 2018-02-27 19:00:45

Below is generated by plot.py at 2018-02-27 23:37:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 810.75 Mbit/s

95th percentile per-packet one-way delay: 244.381 ms

Loss rate: 0.51%

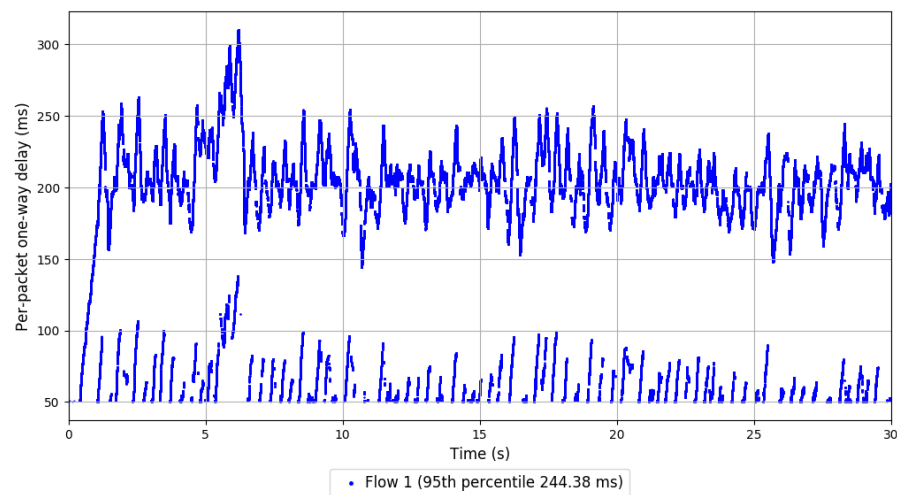
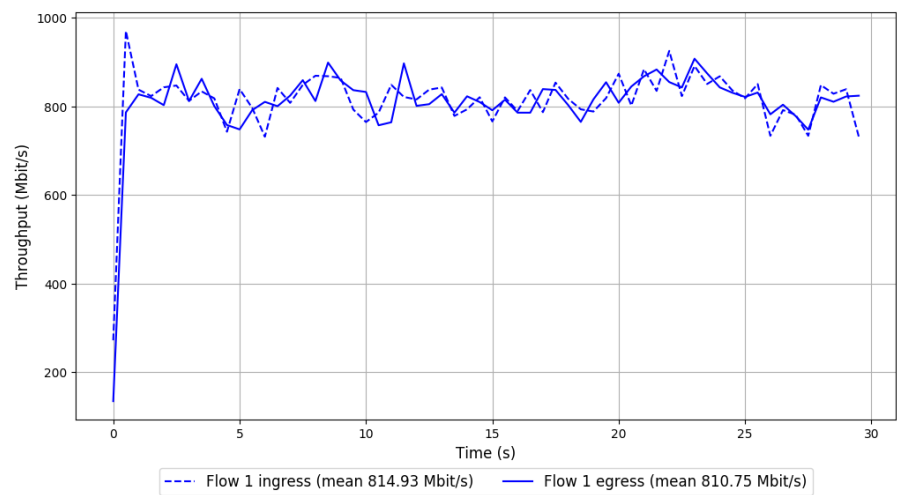
-- Flow 1:

Average throughput: 810.75 Mbit/s

95th percentile per-packet one-way delay: 244.381 ms

Loss rate: 0.51%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-27 19:14:56

End at: 2018-02-27 19:15:26

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 845.84 Mbit/s

95th percentile per-packet one-way delay: 218.753 ms

Loss rate: 0.38%

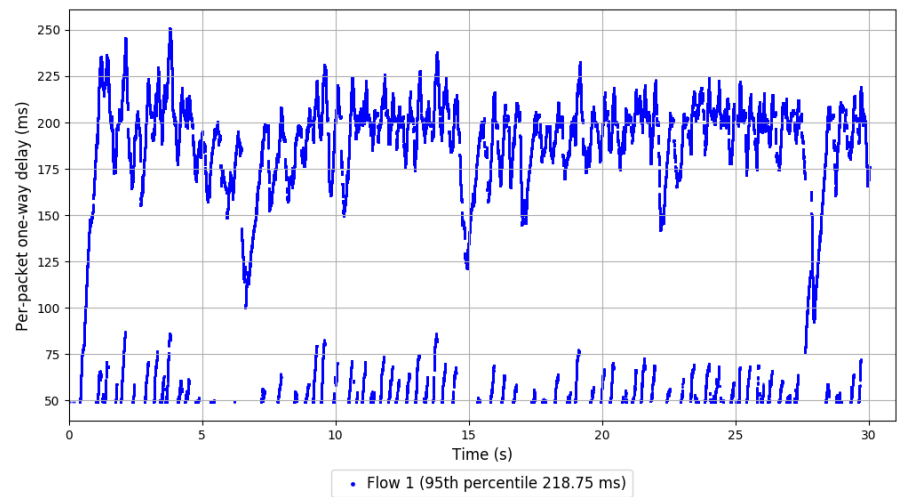
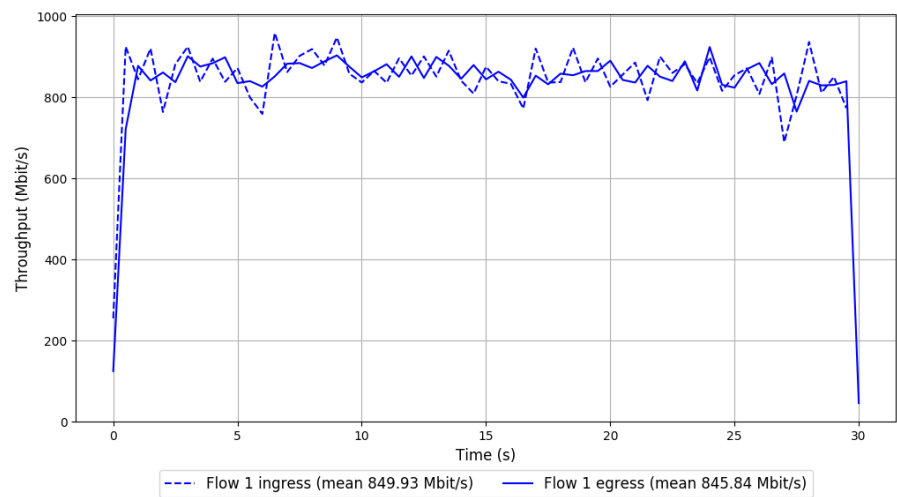
-- Flow 1:

Average throughput: 845.84 Mbit/s

95th percentile per-packet one-way delay: 218.753 ms

Loss rate: 0.38%

Run 10: Report of FillP — Data Link

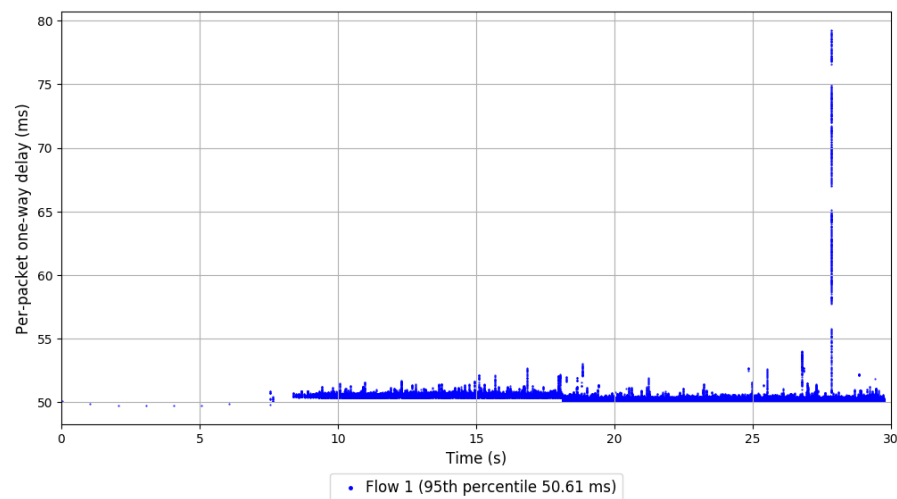
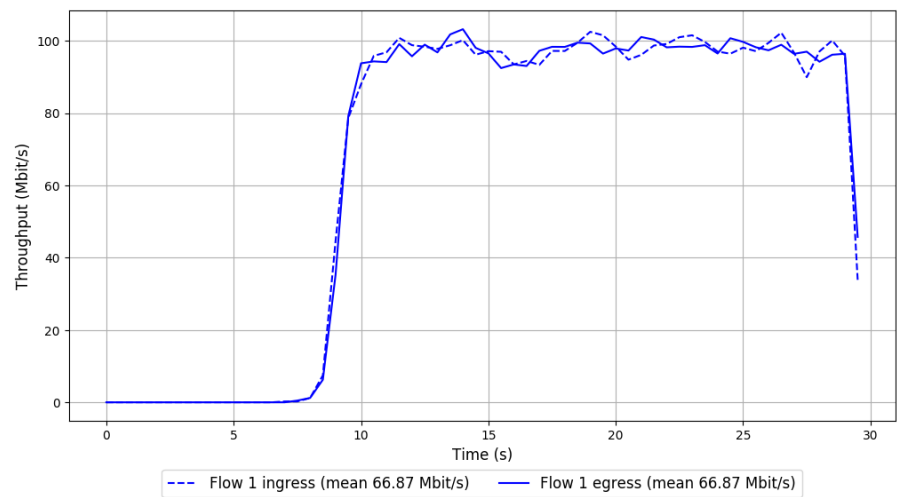


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-27 16:57:57
End at: 2018-02-27 16:58:27

# Below is generated by plot.py at 2018-02-27 23:40:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 50.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 50.612 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-1-32 — Data Link



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-27 17:12:25

End at: 2018-02-27 17:12:55

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.70 Mbit/s

95th percentile per-packet one-way delay: 50.823 ms

Loss rate: 0.00%

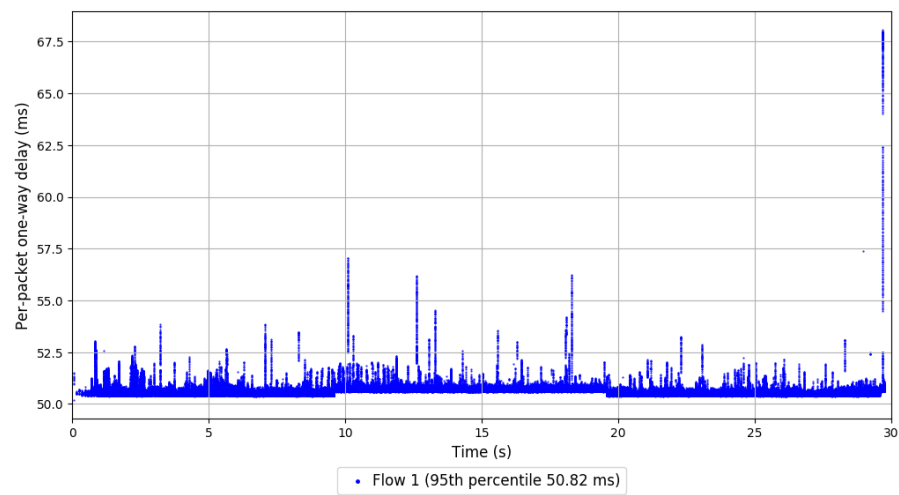
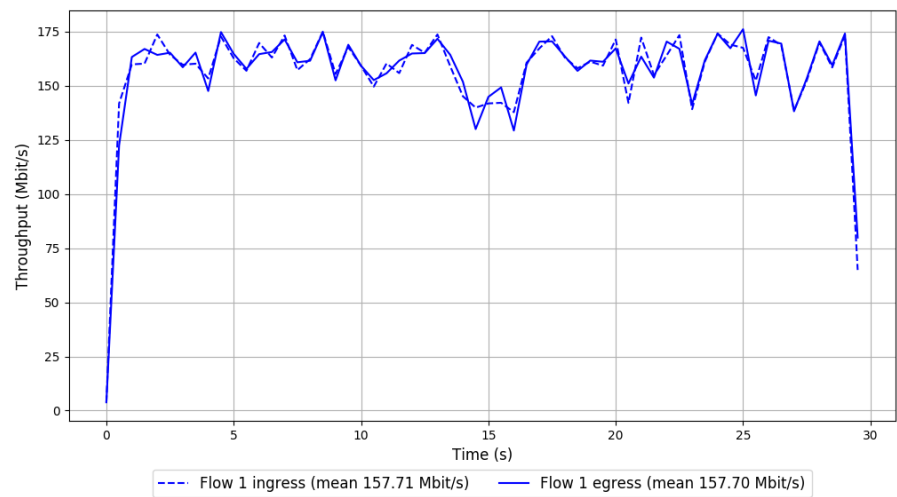
-- Flow 1:

Average throughput: 157.70 Mbit/s

95th percentile per-packet one-way delay: 50.823 ms

Loss rate: 0.00%

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-27 17:26:54

End at: 2018-02-27 17:27:24

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.14 Mbit/s

95th percentile per-packet one-way delay: 50.992 ms

Loss rate: 0.00%

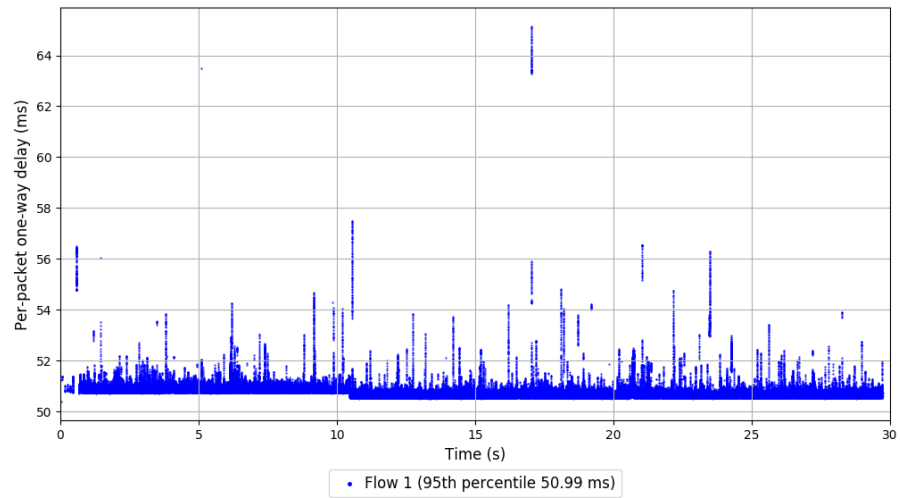
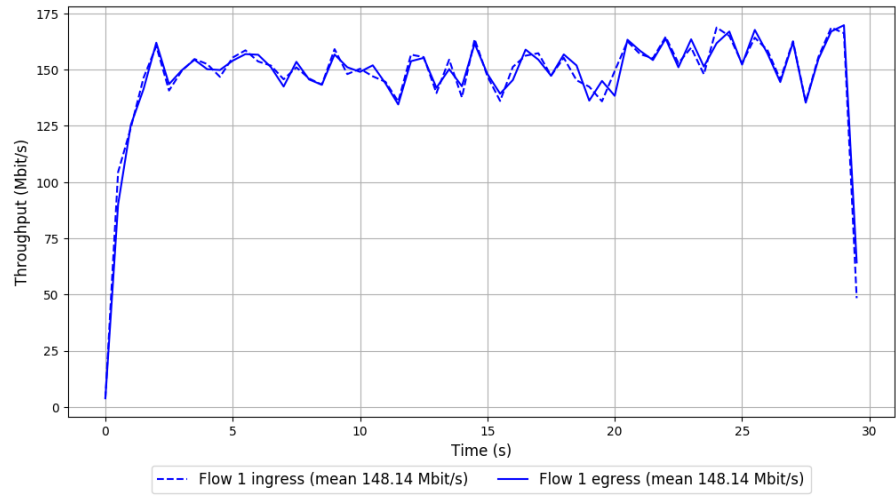
-- Flow 1:

Average throughput: 148.14 Mbit/s

95th percentile per-packet one-way delay: 50.992 ms

Loss rate: 0.00%

Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-27 17:41:29

End at: 2018-02-27 17:41:59

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.66 Mbit/s

95th percentile per-packet one-way delay: 51.027 ms

Loss rate: 0.00%

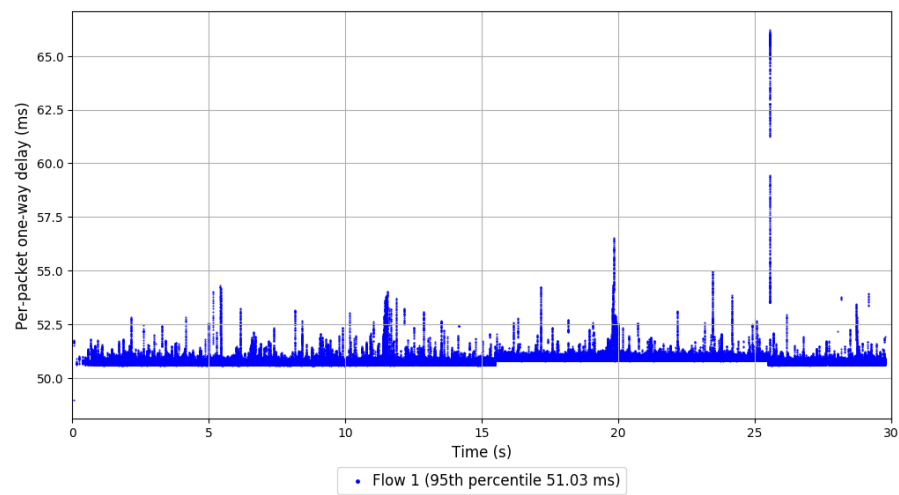
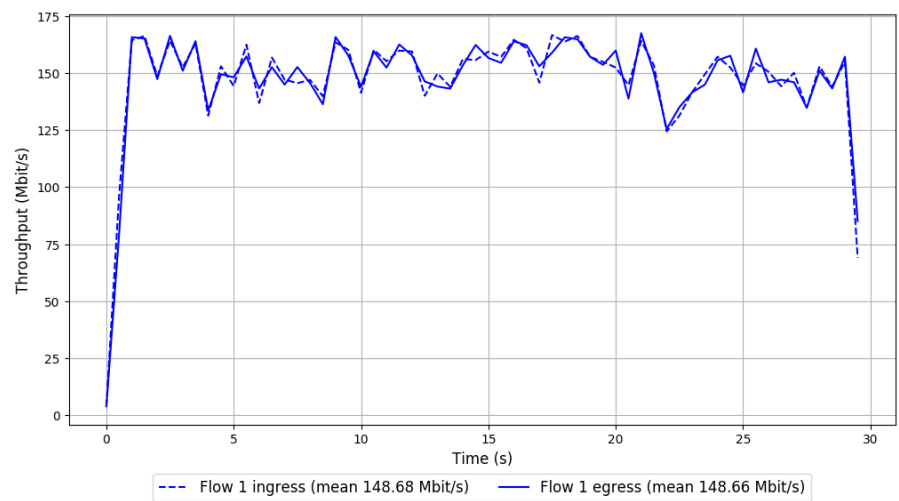
-- Flow 1:

Average throughput: 148.66 Mbit/s

95th percentile per-packet one-way delay: 51.027 ms

Loss rate: 0.00%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-27 17:55:50

End at: 2018-02-27 17:56:20

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.70 Mbit/s

95th percentile per-packet one-way delay: 51.242 ms

Loss rate: 0.00%

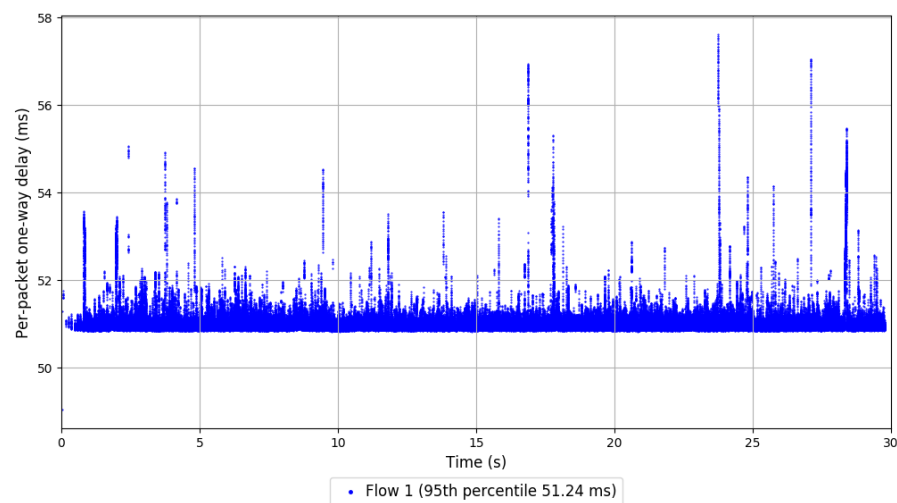
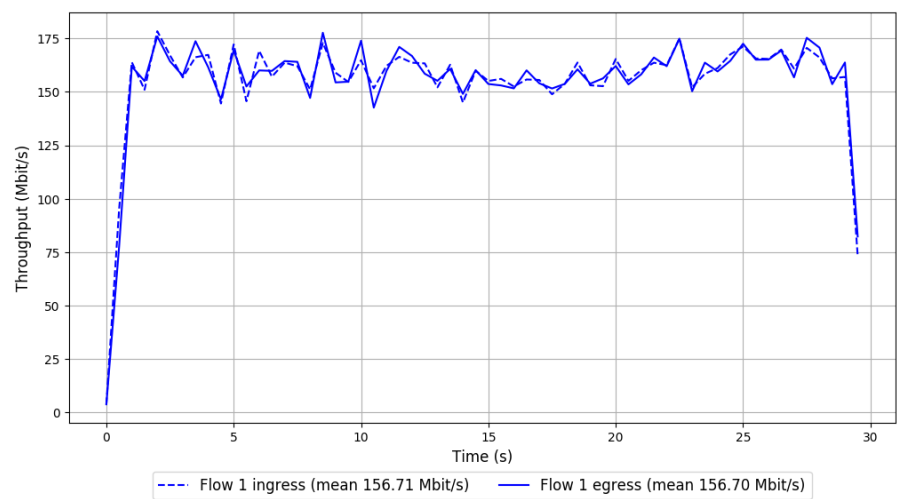
-- Flow 1:

Average throughput: 156.70 Mbit/s

95th percentile per-packet one-way delay: 51.242 ms

Loss rate: 0.00%

Run 5: Report of Indigo-1-32 — Data Link



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-27 18:10:17

End at: 2018-02-27 18:10:47

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.33 Mbit/s

95th percentile per-packet one-way delay: 51.256 ms

Loss rate: 0.00%

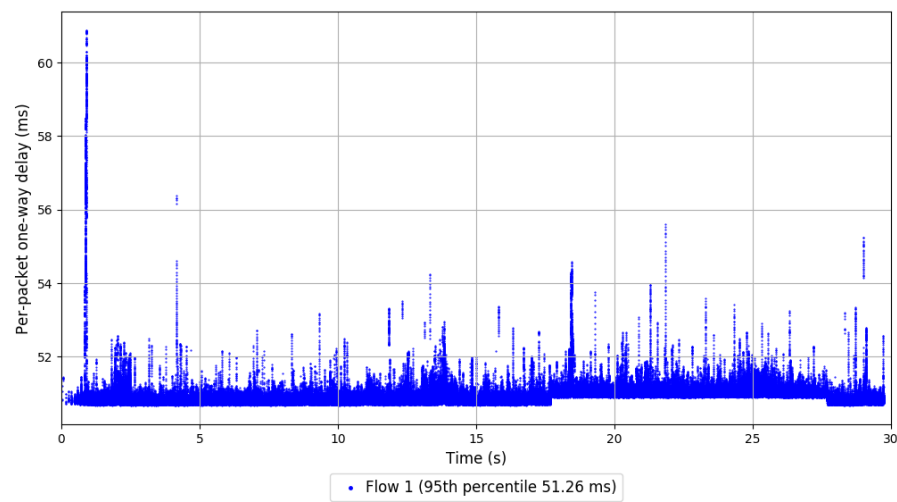
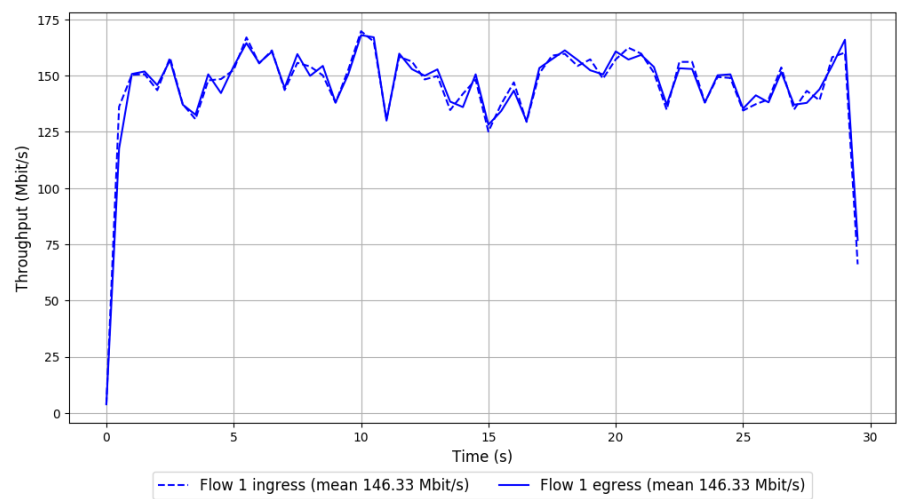
-- Flow 1:

Average throughput: 146.33 Mbit/s

95th percentile per-packet one-way delay: 51.256 ms

Loss rate: 0.00%

Run 6: Report of Indigo-1-32 — Data Link



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-27 18:24:38

End at: 2018-02-27 18:25:08

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.95 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.00%

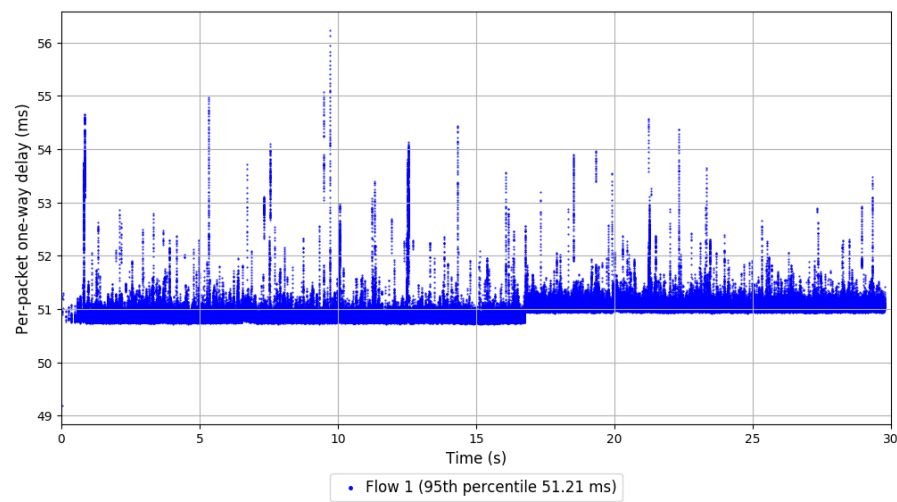
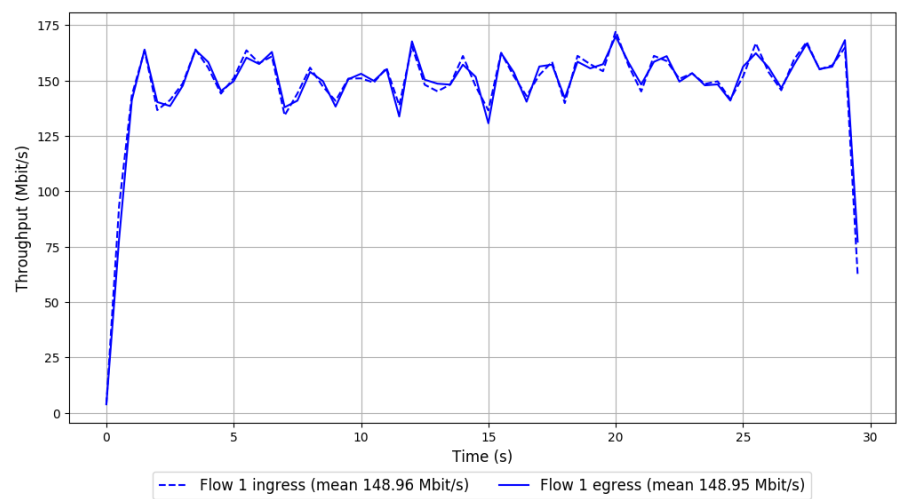
-- Flow 1:

Average throughput: 148.95 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.00%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-27 18:39:18

End at: 2018-02-27 18:39:48

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.30 Mbit/s

95th percentile per-packet one-way delay: 57.964 ms

Loss rate: 0.00%

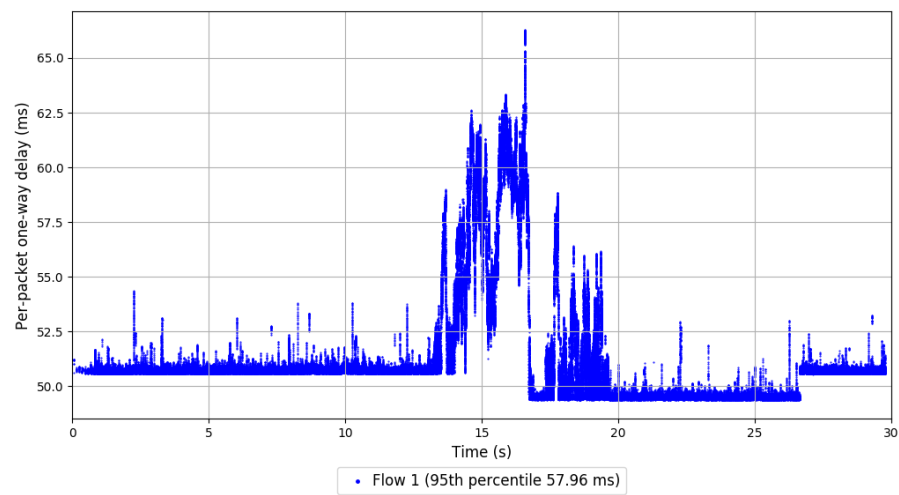
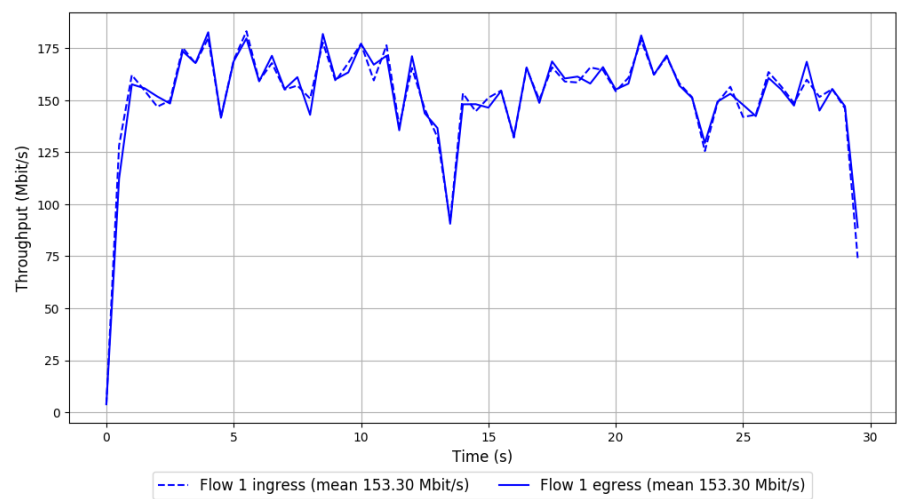
-- Flow 1:

Average throughput: 153.30 Mbit/s

95th percentile per-packet one-way delay: 57.964 ms

Loss rate: 0.00%

Run 8: Report of Indigo-1-32 — Data Link



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-27 18:53:49

End at: 2018-02-27 18:54:19

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.35 Mbit/s

95th percentile per-packet one-way delay: 50.864 ms

Loss rate: 0.00%

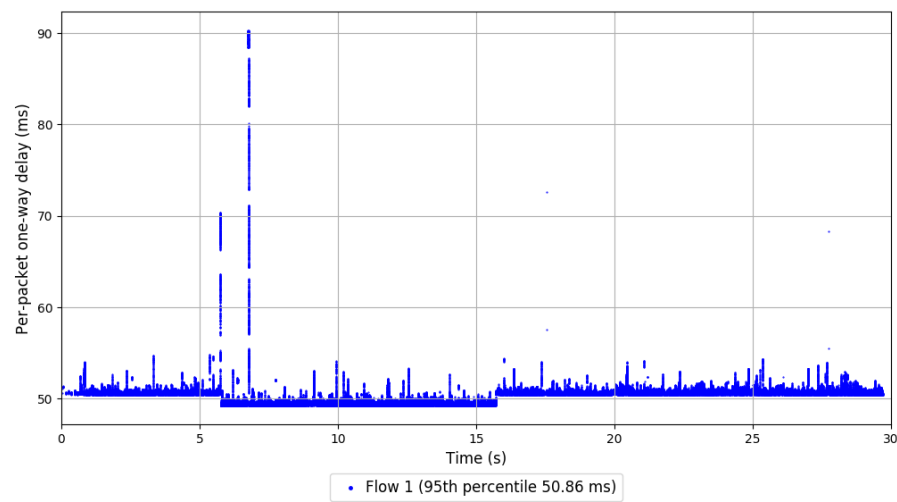
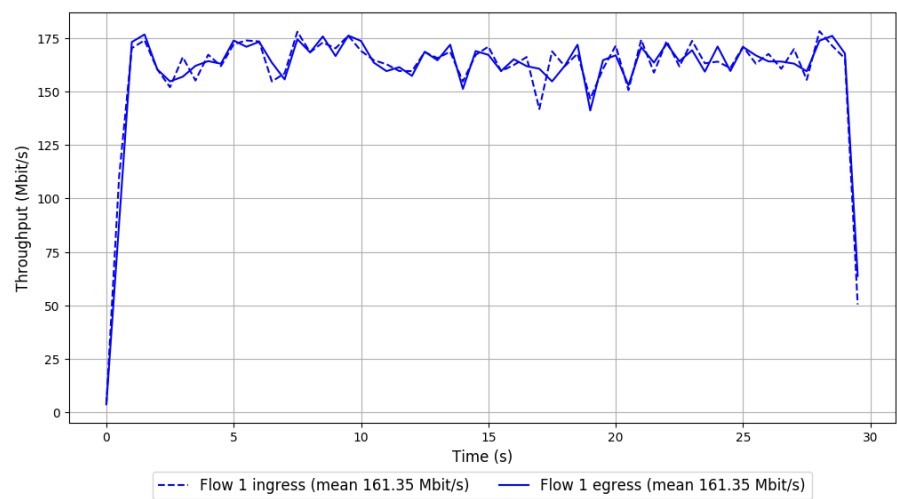
-- Flow 1:

Average throughput: 161.35 Mbit/s

95th percentile per-packet one-way delay: 50.864 ms

Loss rate: 0.00%

Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-27 19:08:31

End at: 2018-02-27 19:09:01

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.75 Mbit/s

95th percentile per-packet one-way delay: 50.637 ms

Loss rate: 0.00%

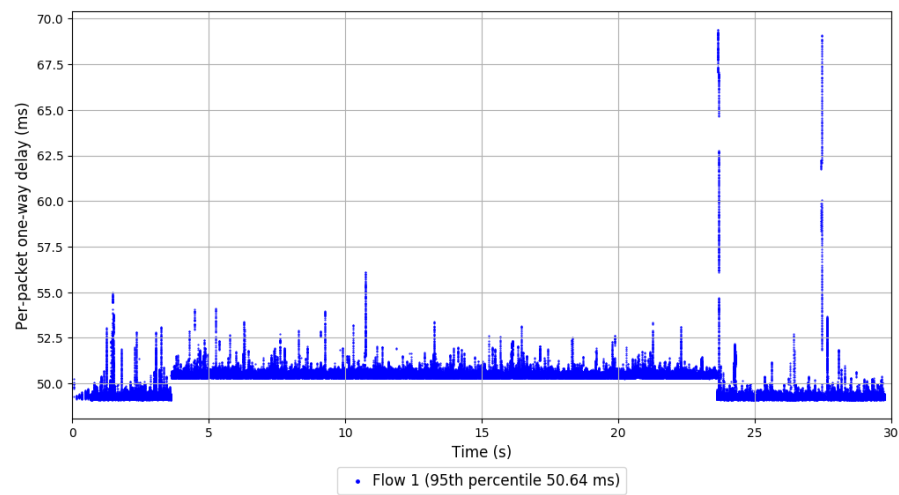
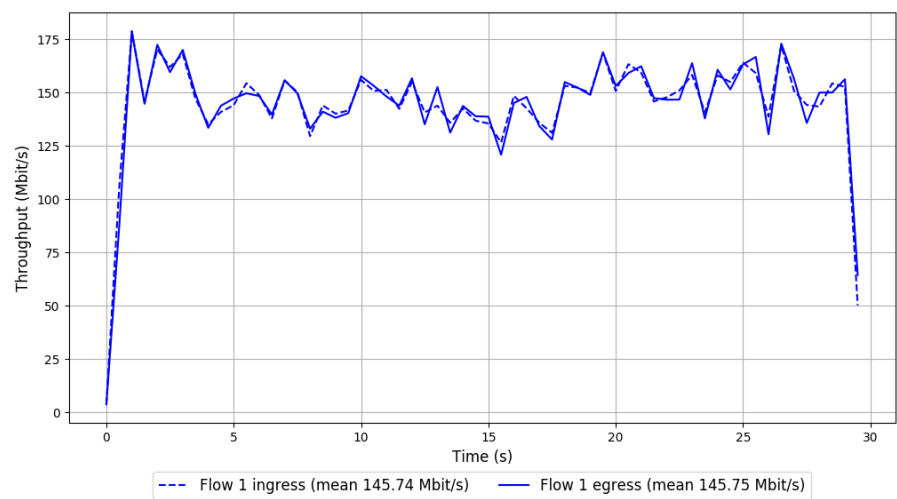
-- Flow 1:

Average throughput: 145.75 Mbit/s

95th percentile per-packet one-way delay: 50.637 ms

Loss rate: 0.00%

Run 10: Report of Indigo-1-32 — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-02-27 17:09:10

End at: 2018-02-27 17:09:40

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.48 Mbit/s

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

Loss rate: 0.00%

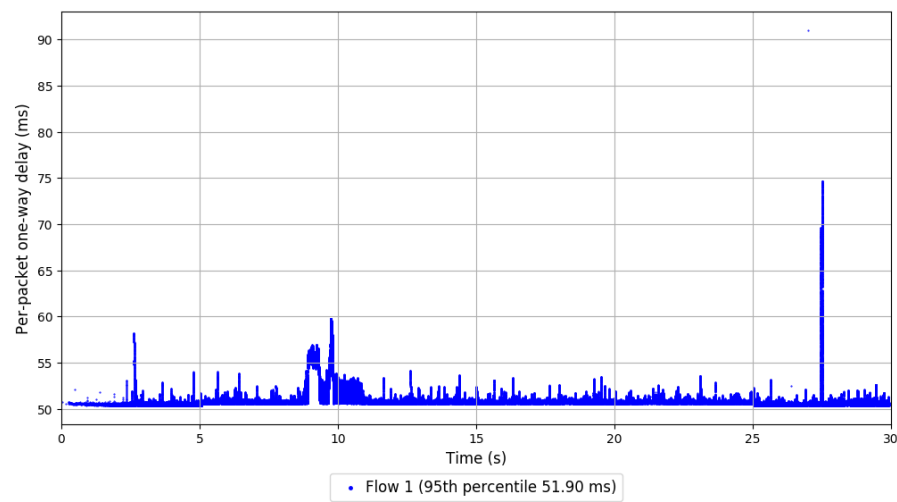
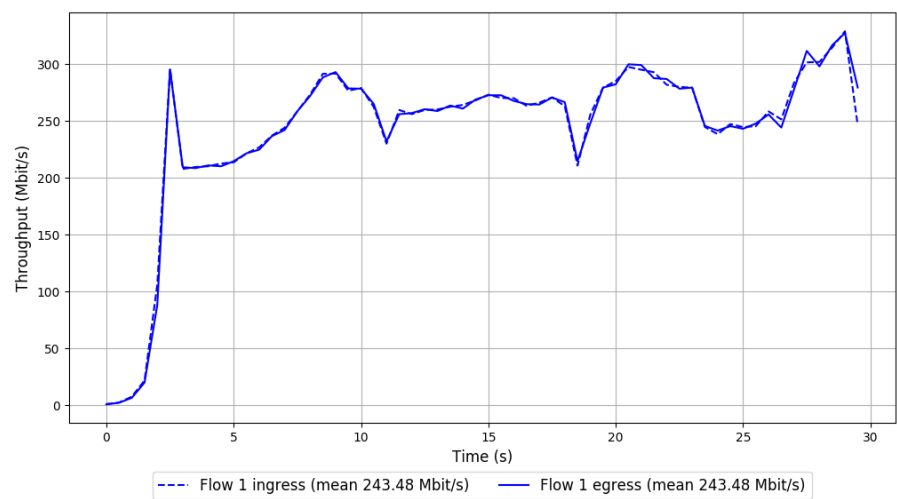
-- Flow 1:

Average throughput: 243.48 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-27 17:23:40

End at: 2018-02-27 17:24:10

Below is generated by plot.py at 2018-02-27 23:40:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.69 Mbit/s

95th percentile per-packet one-way delay: 50.437 ms

Loss rate: 0.00%

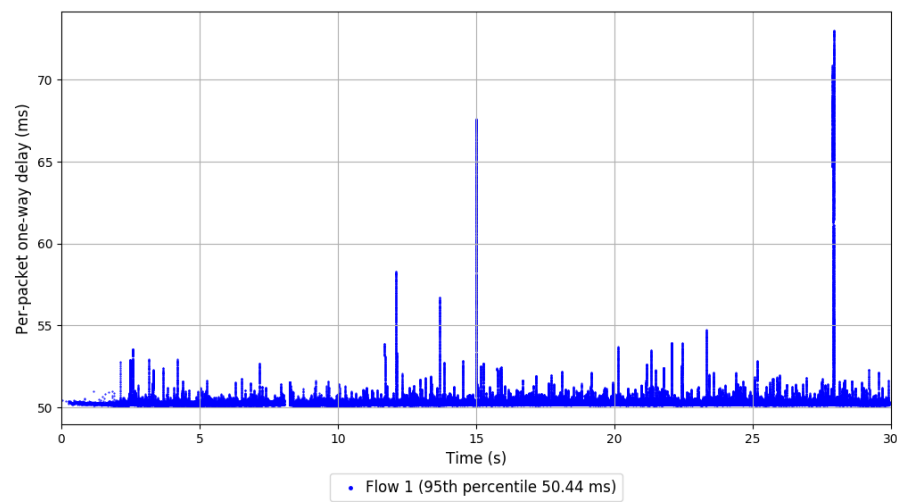
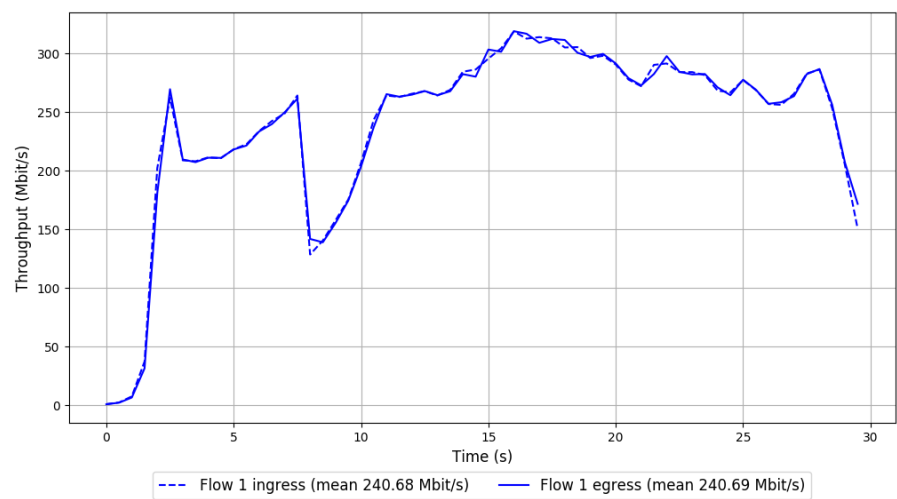
-- Flow 1:

Average throughput: 240.69 Mbit/s

95th percentile per-packet one-way delay: 50.437 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-27 17:38:14

End at: 2018-02-27 17:38:44

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.40 Mbit/s

95th percentile per-packet one-way delay: 50.443 ms

Loss rate: 0.00%

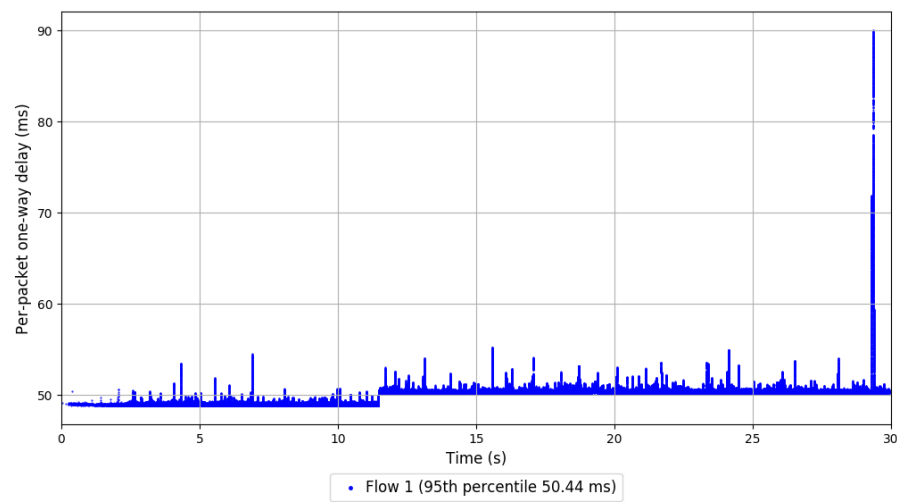
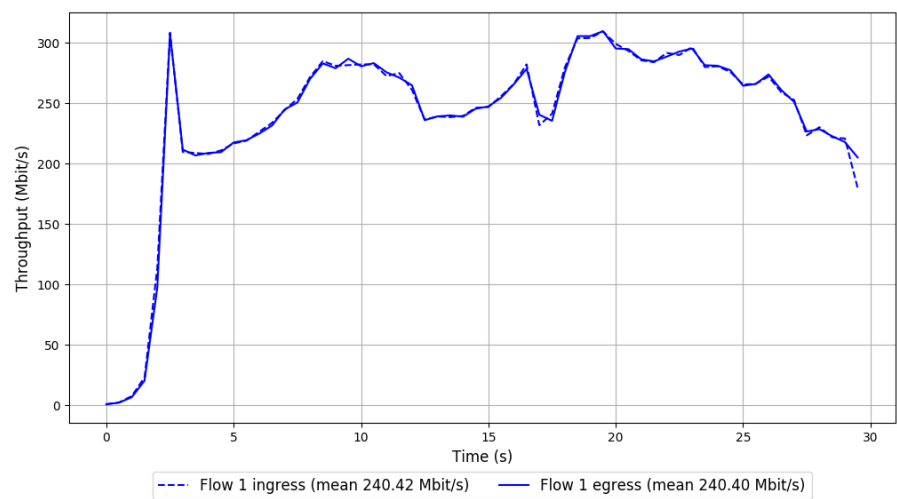
-- Flow 1:

Average throughput: 240.40 Mbit/s

95th percentile per-packet one-way delay: 50.443 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-27 17:52:40

End at: 2018-02-27 17:53:10

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.39 Mbit/s

95th percentile per-packet one-way delay: 50.687 ms

Loss rate: 0.00%

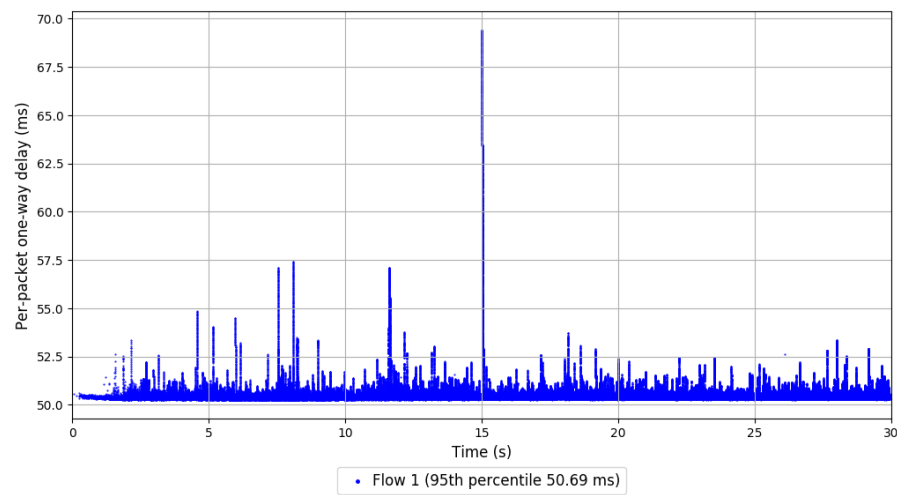
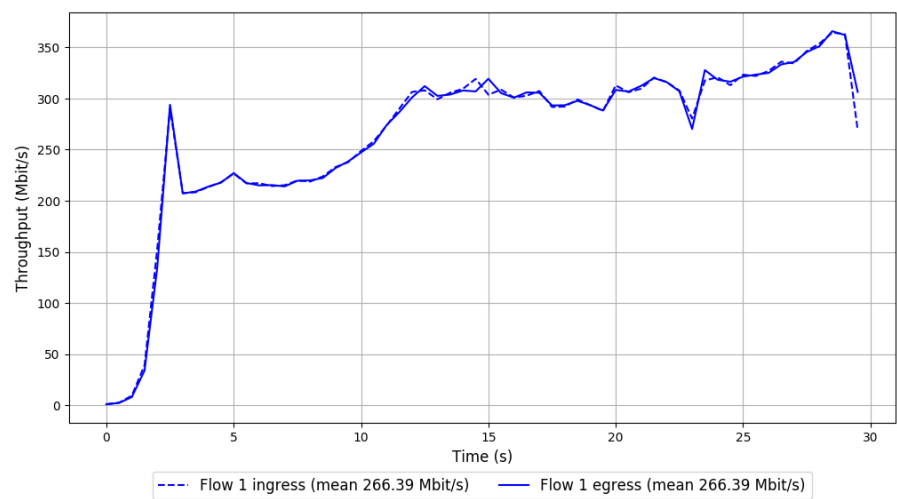
-- Flow 1:

Average throughput: 266.39 Mbit/s

95th percentile per-packet one-way delay: 50.687 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-27 18:07:02

End at: 2018-02-27 18:07:32

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.18 Mbit/s

95th percentile per-packet one-way delay: 51.221 ms

Loss rate: 0.00%

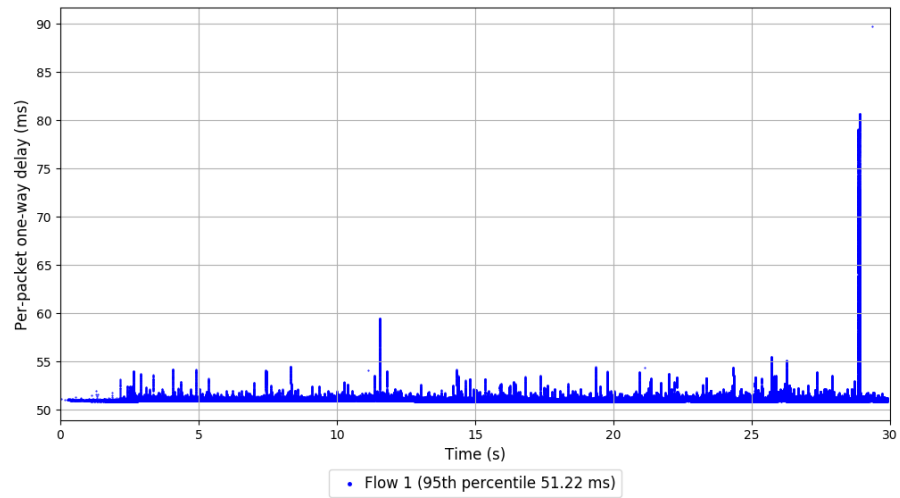
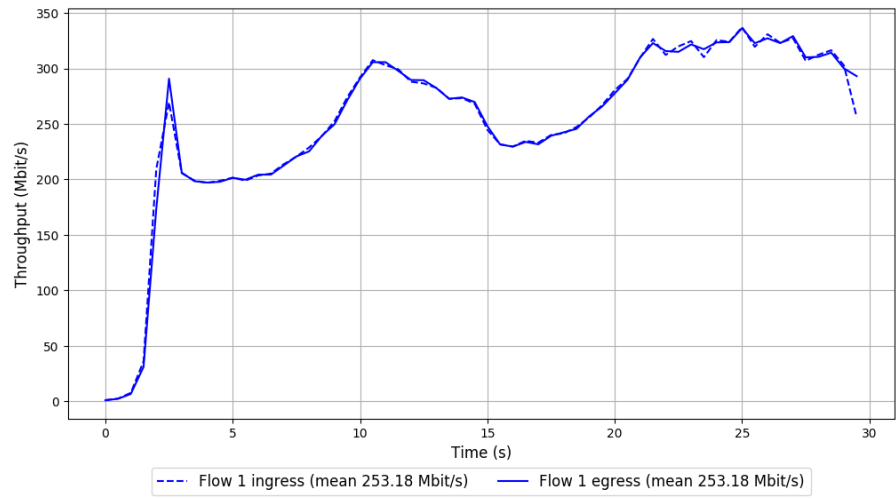
-- Flow 1:

Average throughput: 253.18 Mbit/s

95th percentile per-packet one-way delay: 51.221 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-27 18:21:27

End at: 2018-02-27 18:21:57

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.29 Mbit/s

95th percentile per-packet one-way delay: 52.816 ms

Loss rate: 0.00%

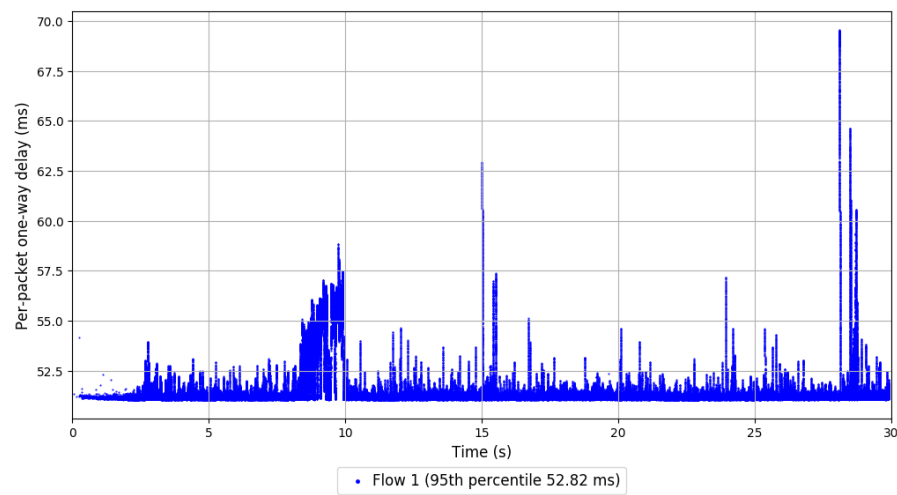
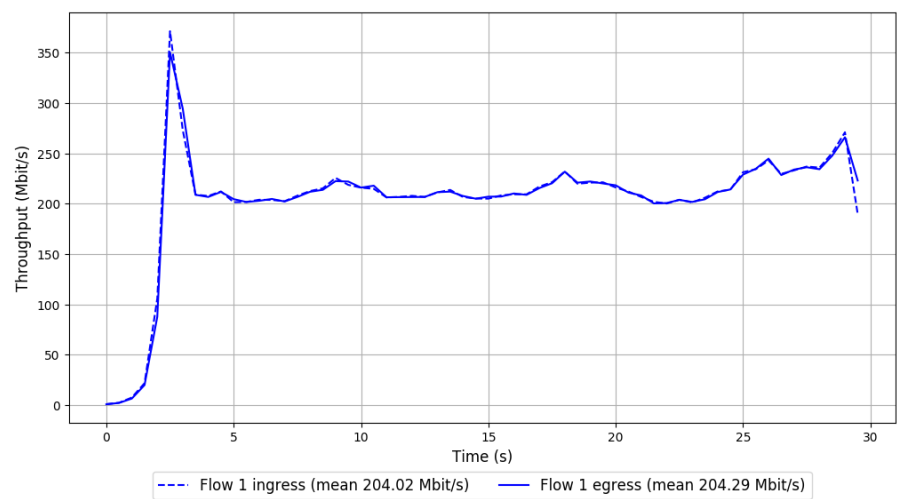
-- Flow 1:

Average throughput: 204.29 Mbit/s

95th percentile per-packet one-way delay: 52.816 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-27 18:36:01

End at: 2018-02-27 18:36:31

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.62 Mbit/s

95th percentile per-packet one-way delay: 50.690 ms

Loss rate: 0.00%

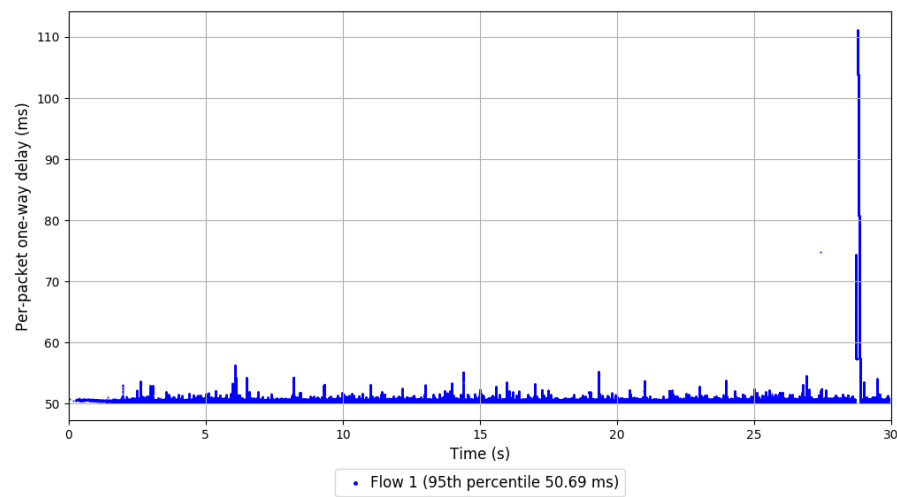
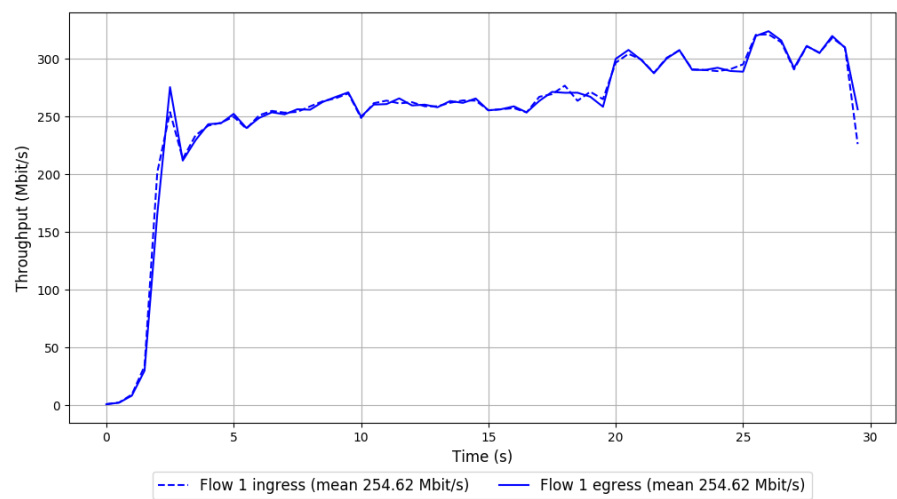
-- Flow 1:

Average throughput: 254.62 Mbit/s

95th percentile per-packet one-way delay: 50.690 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-27 18:50:33

End at: 2018-02-27 18:51:03

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.62 Mbit/s

95th percentile per-packet one-way delay: 50.530 ms

Loss rate: 0.00%

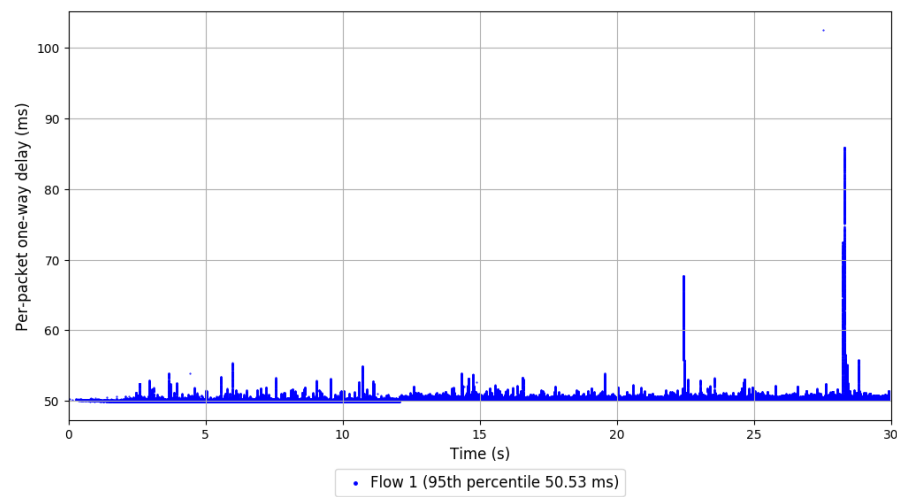
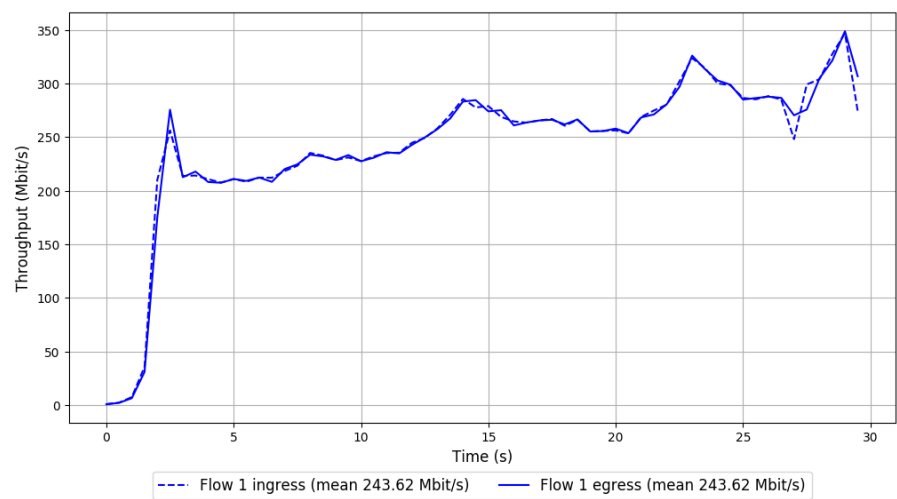
-- Flow 1:

Average throughput: 243.62 Mbit/s

95th percentile per-packet one-way delay: 50.530 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-27 19:05:09

End at: 2018-02-27 19:05:39

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.06 Mbit/s

95th percentile per-packet one-way delay: 50.159 ms

Loss rate: 0.00%

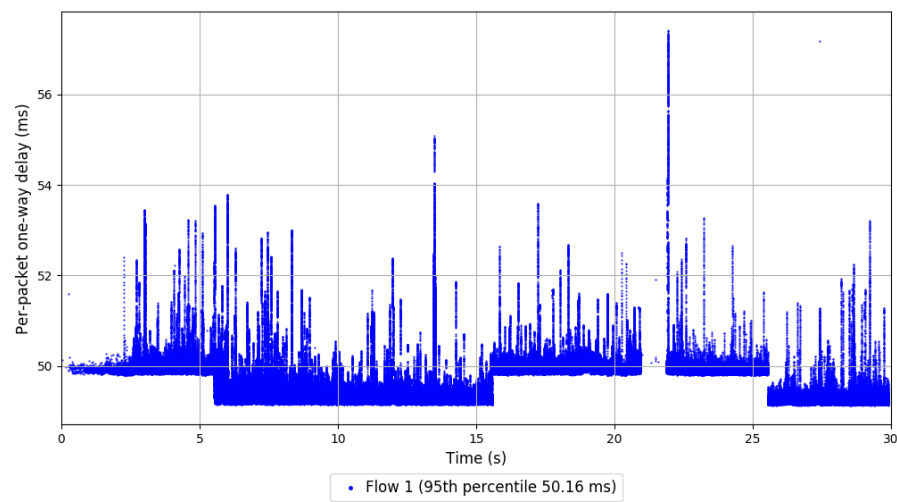
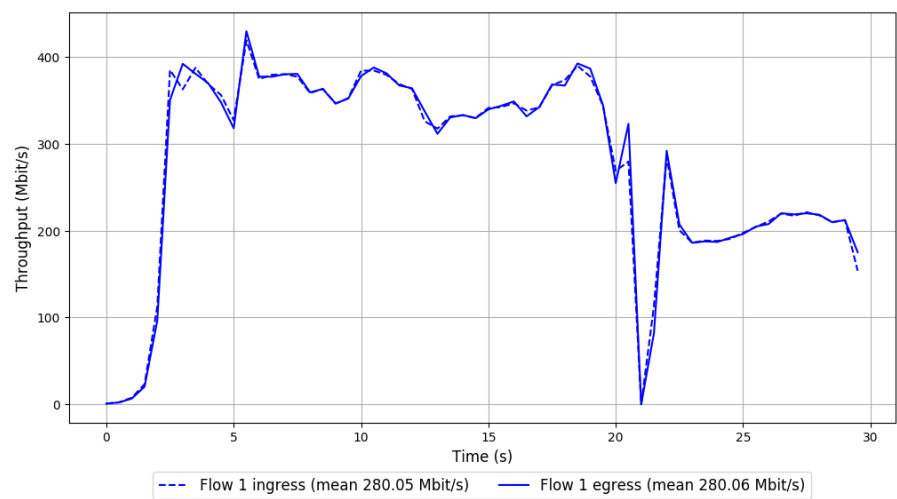
-- Flow 1:

Average throughput: 280.06 Mbit/s

95th percentile per-packet one-way delay: 50.159 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-27 19:19:53

End at: 2018-02-27 19:20:23

Below is generated by plot.py at 2018-02-27 23:40:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.68 Mbit/s

95th percentile per-packet one-way delay: 50.458 ms

Loss rate: 0.00%

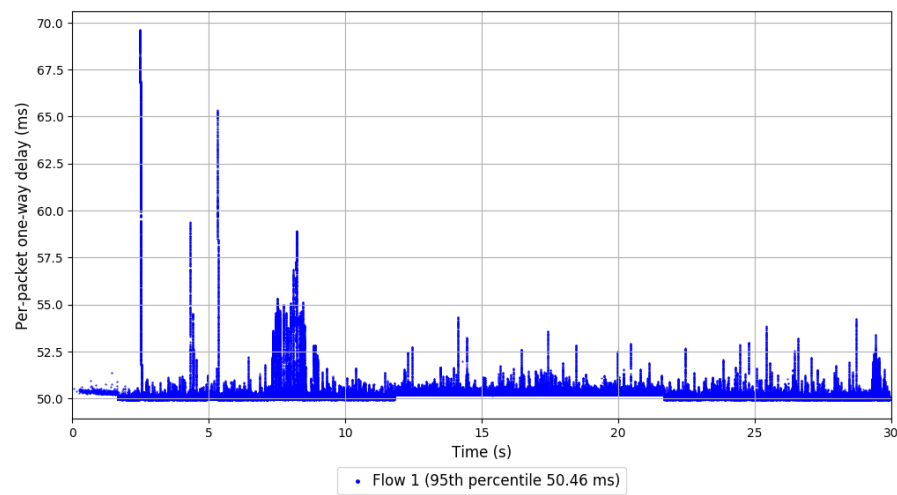
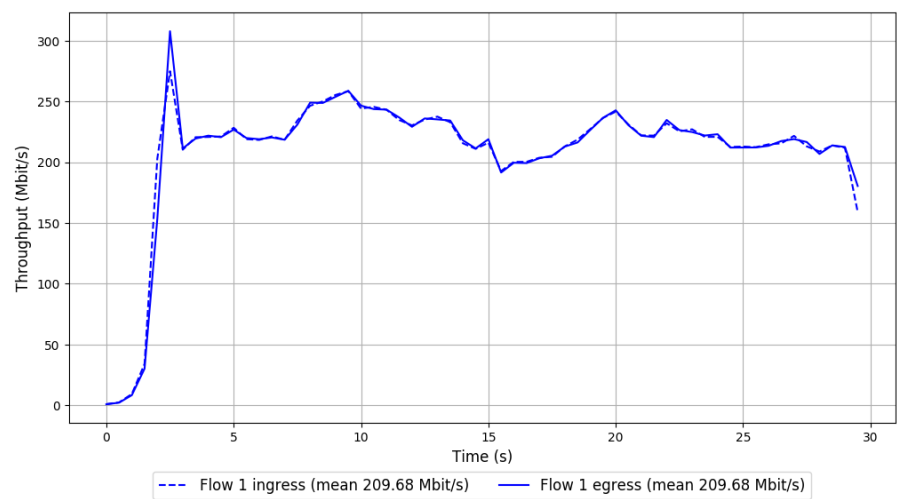
-- Flow 1:

Average throughput: 209.68 Mbit/s

95th percentile per-packet one-way delay: 50.458 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

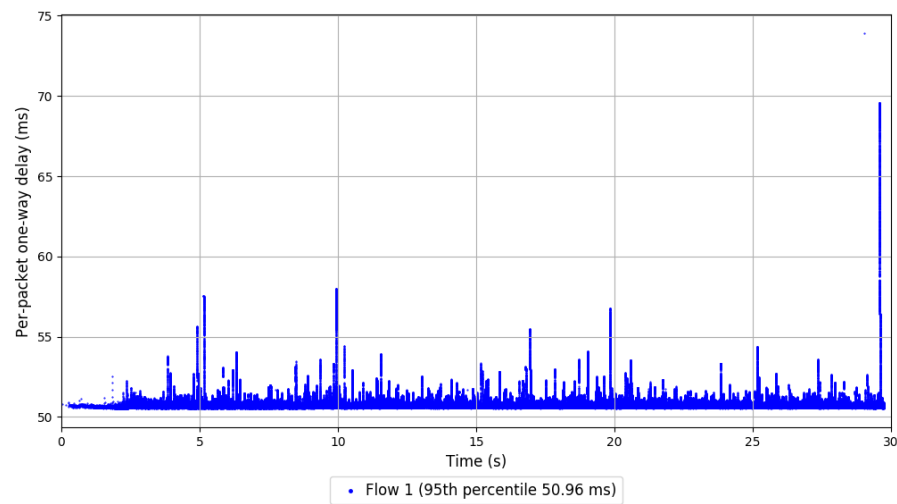
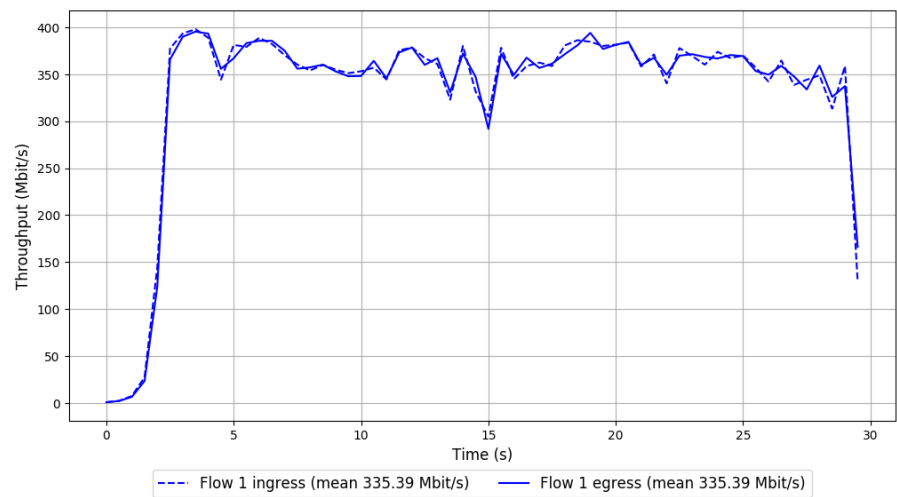


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-27 16:59:26
End at: 2018-02-27 16:59:56

# Below is generated by plot.py at 2018-02-27 23:42:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.39 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 335.39 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-27 17:14:01

End at: 2018-02-27 17:14:31

Below is generated by plot.py at 2018-02-27 23:42:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.47 Mbit/s

95th percentile per-packet one-way delay: 51.060 ms

Loss rate: 0.00%

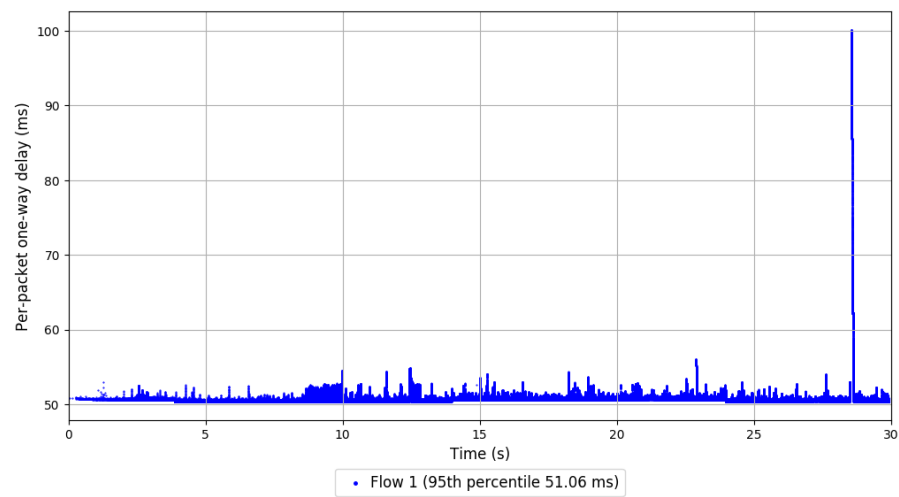
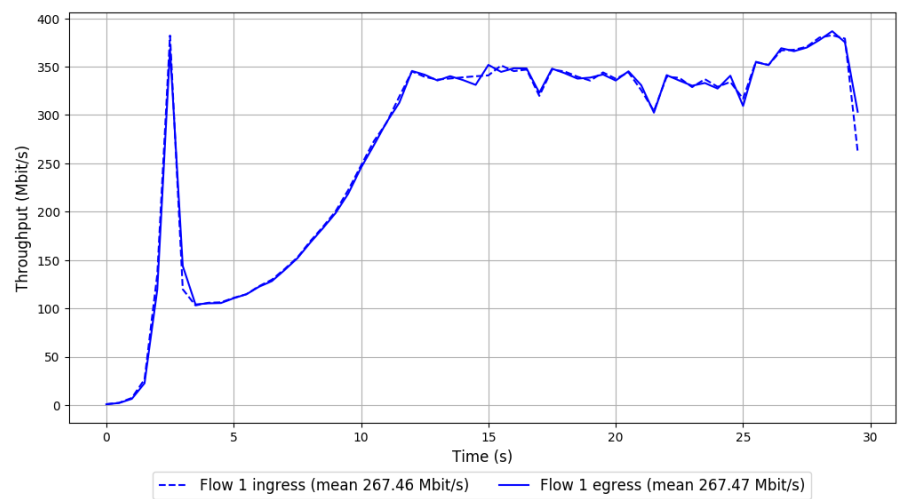
-- Flow 1:

Average throughput: 267.47 Mbit/s

95th percentile per-packet one-way delay: 51.060 ms

Loss rate: 0.00%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-27 17:28:29

End at: 2018-02-27 17:28:59

Below is generated by plot.py at 2018-02-27 23:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.50 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 0.00%

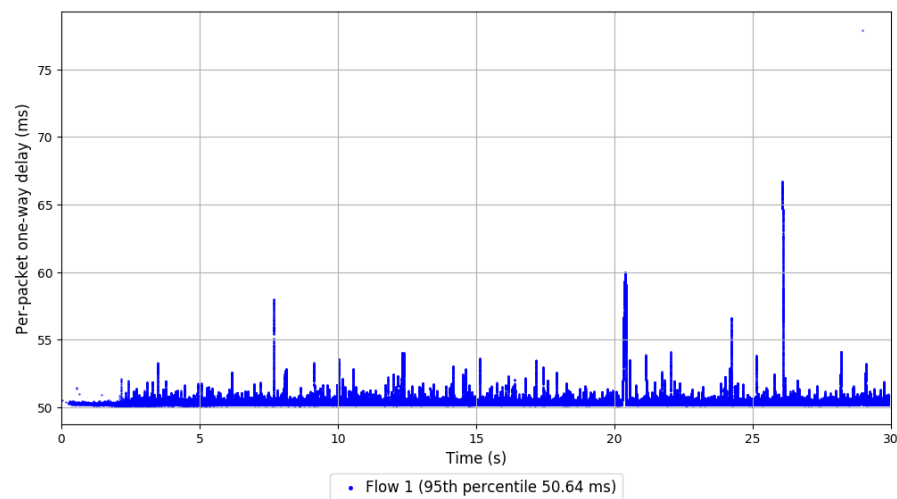
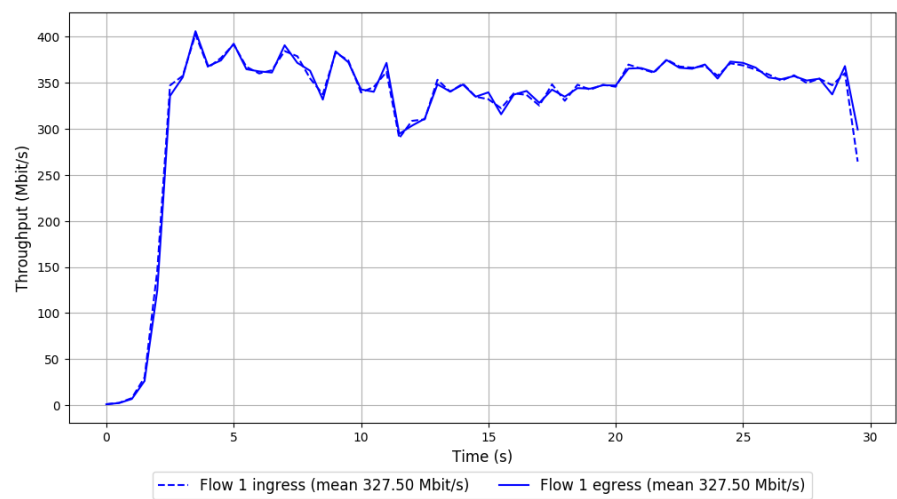
-- Flow 1:

Average throughput: 327.50 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-27 17:43:05

End at: 2018-02-27 17:43:35

Below is generated by plot.py at 2018-02-27 23:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.68 Mbit/s

95th percentile per-packet one-way delay: 51.269 ms

Loss rate: 0.01%

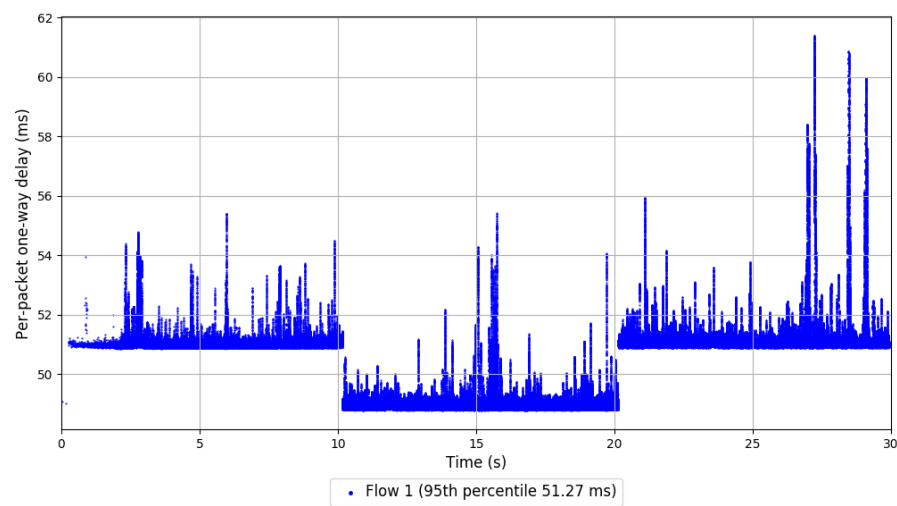
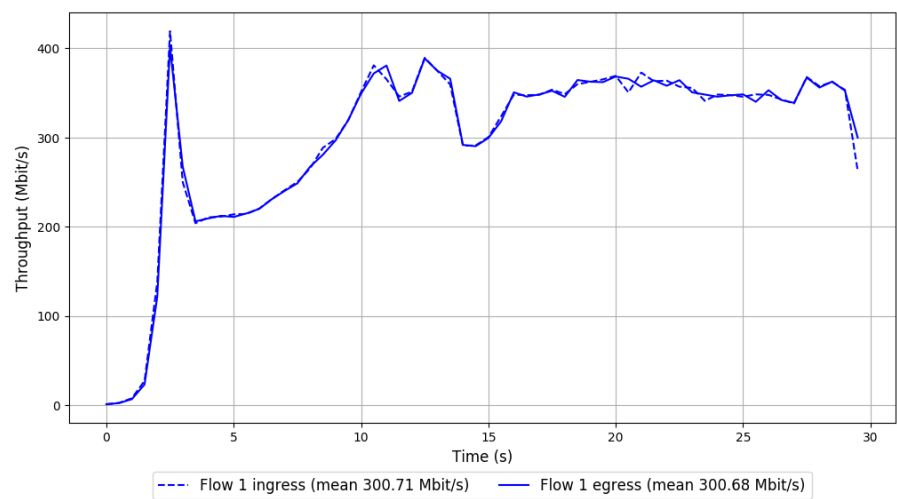
-- Flow 1:

Average throughput: 300.68 Mbit/s

95th percentile per-packet one-way delay: 51.269 ms

Loss rate: 0.01%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-27 17:57:25

End at: 2018-02-27 17:57:55

Below is generated by plot.py at 2018-02-27 23:45:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.34 Mbit/s

95th percentile per-packet one-way delay: 51.488 ms

Loss rate: 0.00%

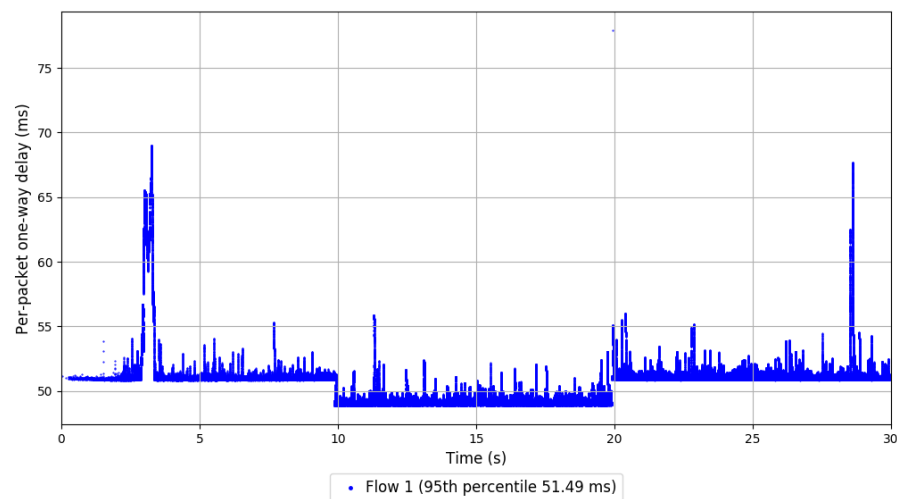
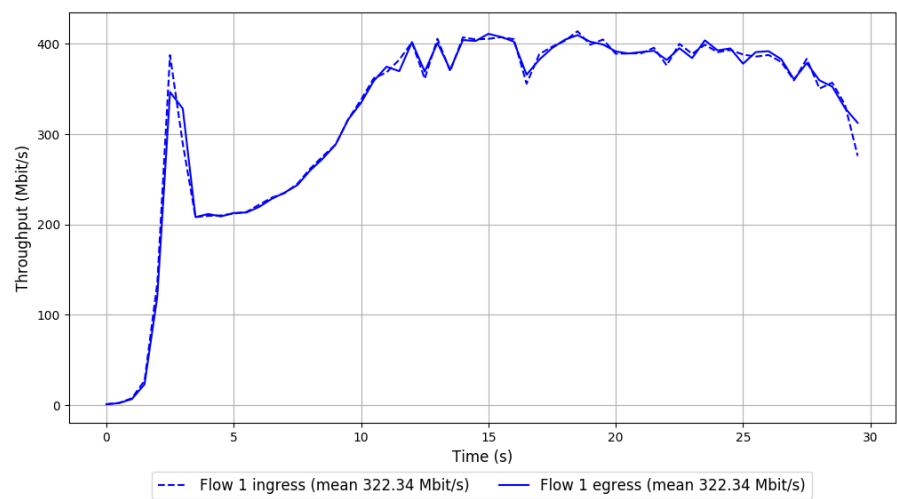
-- Flow 1:

Average throughput: 322.34 Mbit/s

95th percentile per-packet one-way delay: 51.488 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-27 18:11:54

End at: 2018-02-27 18:12:24

Below is generated by plot.py at 2018-02-27 23:46:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 303.55 Mbit/s

95th percentile per-packet one-way delay: 51.370 ms

Loss rate: 0.00%

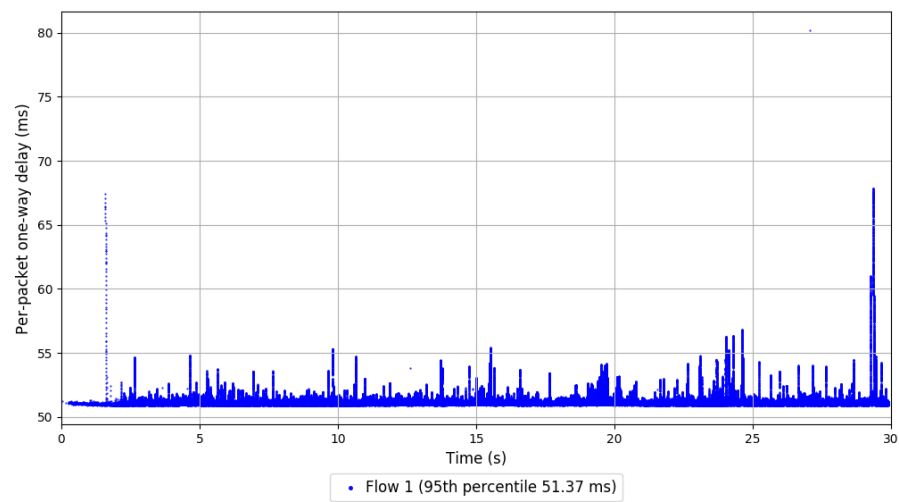
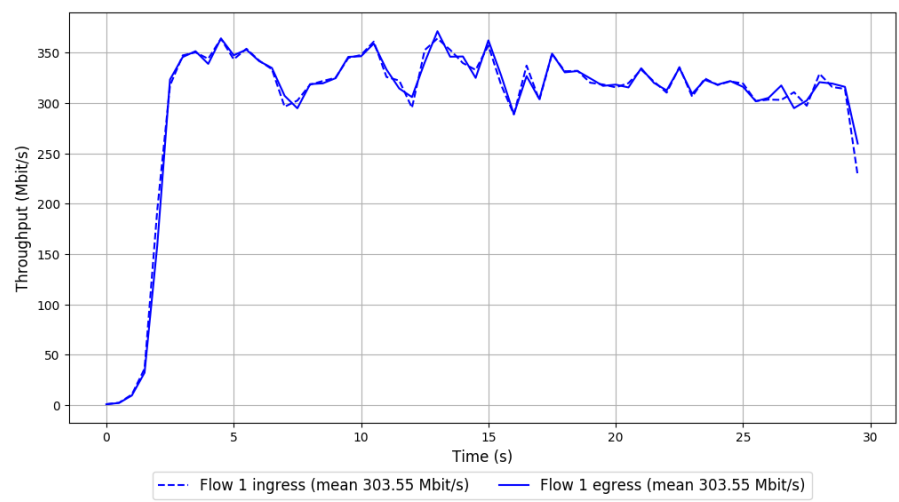
-- Flow 1:

Average throughput: 303.55 Mbit/s

95th percentile per-packet one-way delay: 51.370 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-27 18:26:14

End at: 2018-02-27 18:26:44

Below is generated by plot.py at 2018-02-27 23:47:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.93 Mbit/s

95th percentile per-packet one-way delay: 50.846 ms

Loss rate: 0.00%

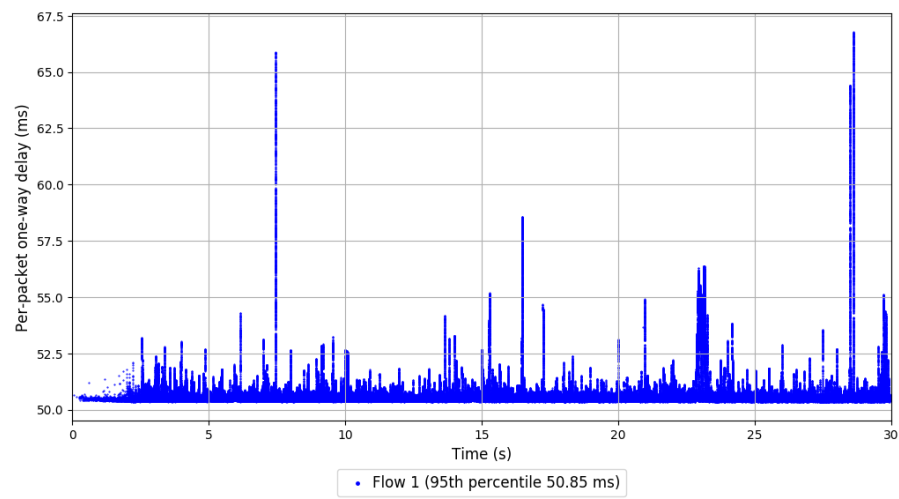
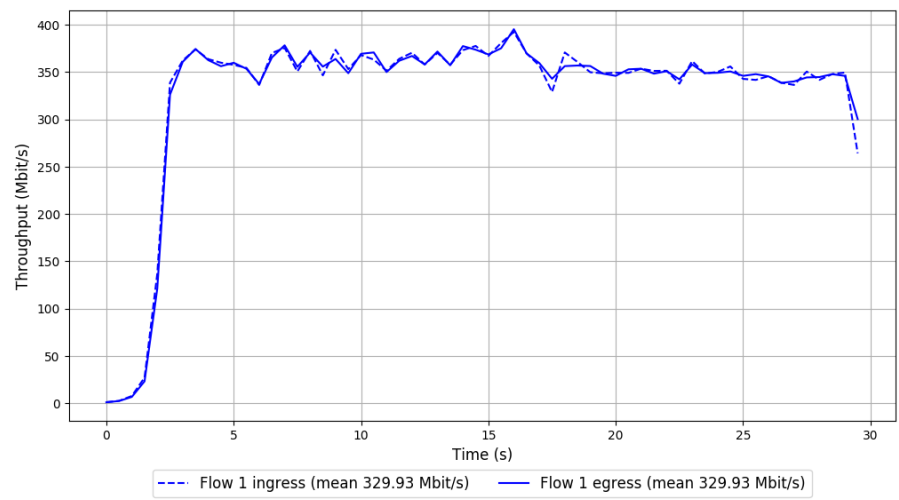
-- Flow 1:

Average throughput: 329.93 Mbit/s

95th percentile per-packet one-way delay: 50.846 ms

Loss rate: 0.00%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-27 18:40:55

End at: 2018-02-27 18:41:25

Below is generated by plot.py at 2018-02-27 23:49:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.90 Mbit/s

95th percentile per-packet one-way delay: 51.369 ms

Loss rate: 0.00%

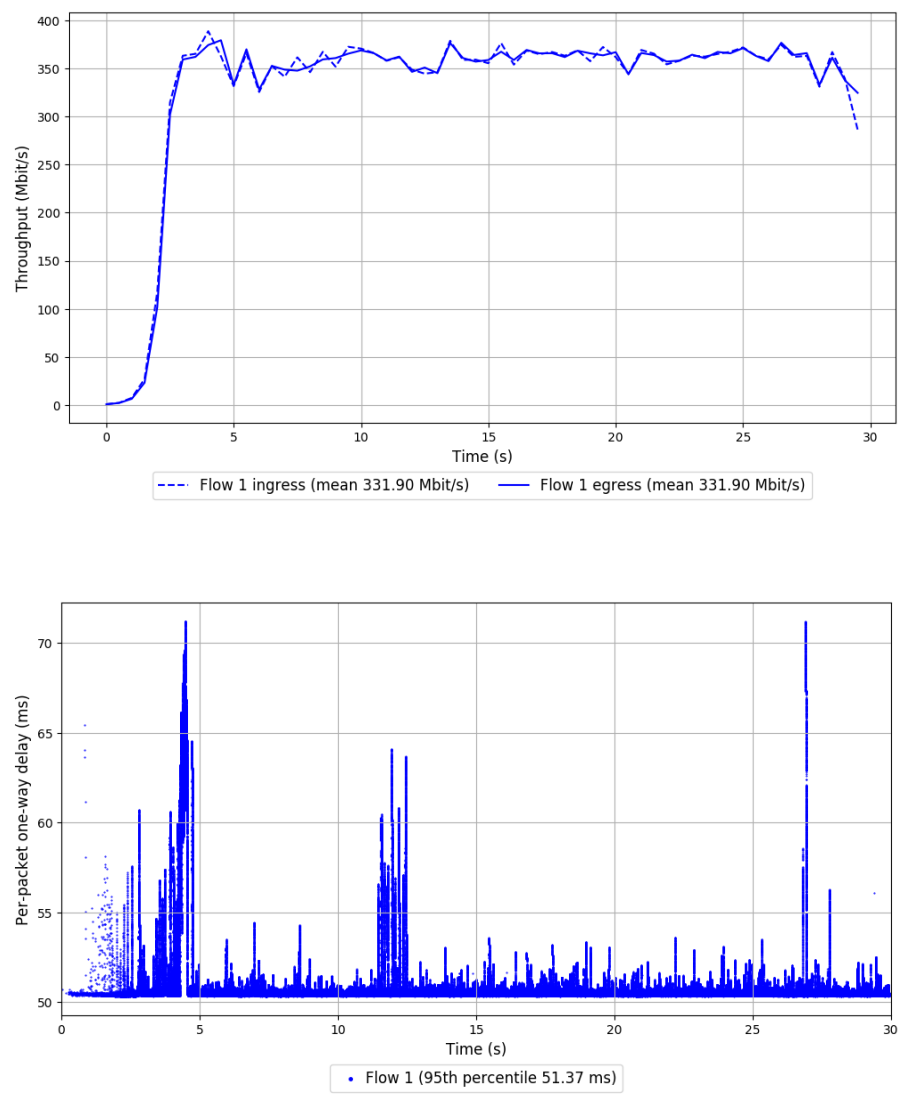
-- Flow 1:

Average throughput: 331.90 Mbit/s

95th percentile per-packet one-way delay: 51.369 ms

Loss rate: 0.00%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-27 18:55:29

End at: 2018-02-27 18:55:59

Below is generated by plot.py at 2018-02-27 23:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.74 Mbit/s

95th percentile per-packet one-way delay: 50.397 ms

Loss rate: 0.00%

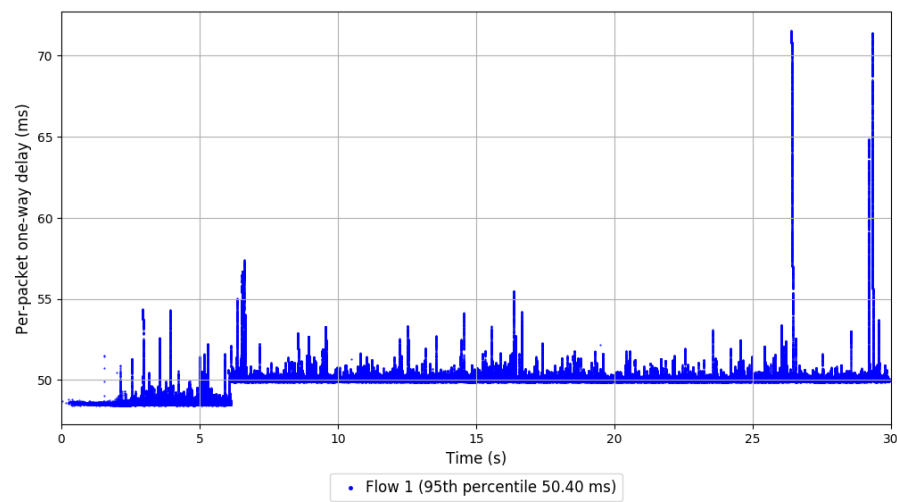
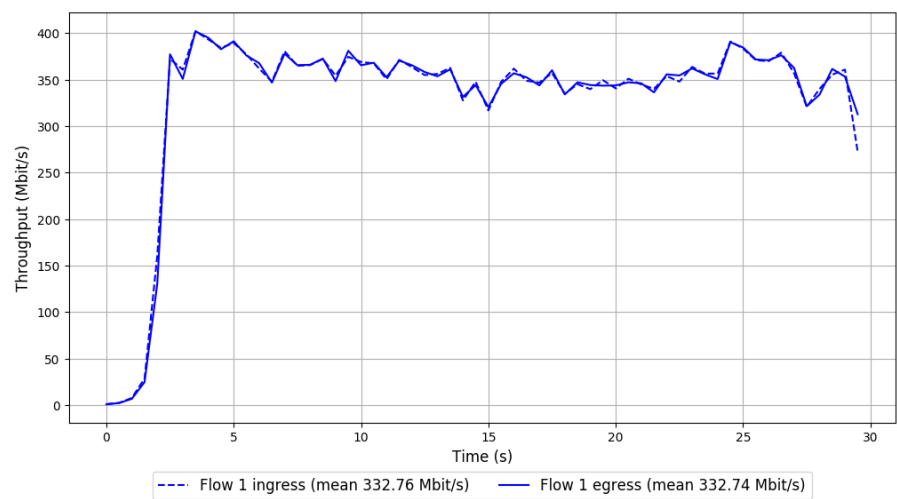
-- Flow 1:

Average throughput: 332.74 Mbit/s

95th percentile per-packet one-way delay: 50.397 ms

Loss rate: 0.00%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-27 19:10:05

End at: 2018-02-27 19:10:35

Below is generated by plot.py at 2018-02-27 23:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.24 Mbit/s

95th percentile per-packet one-way delay: 50.468 ms

Loss rate: 0.00%

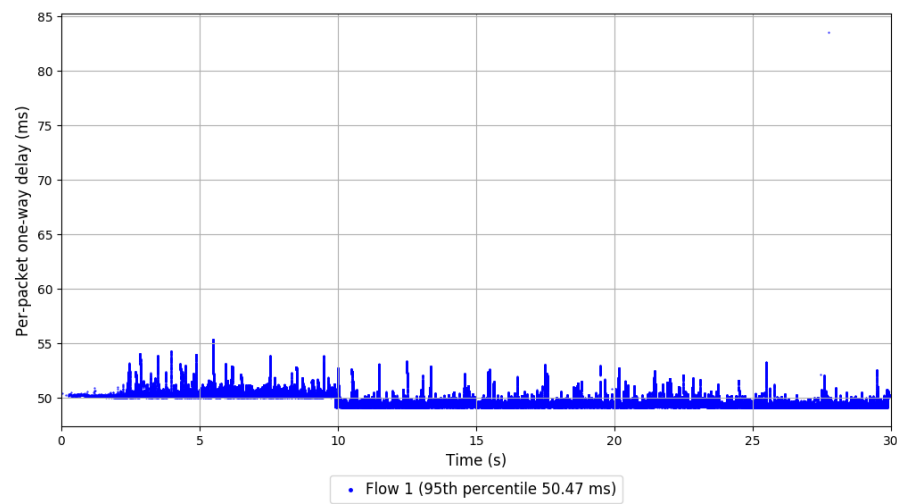
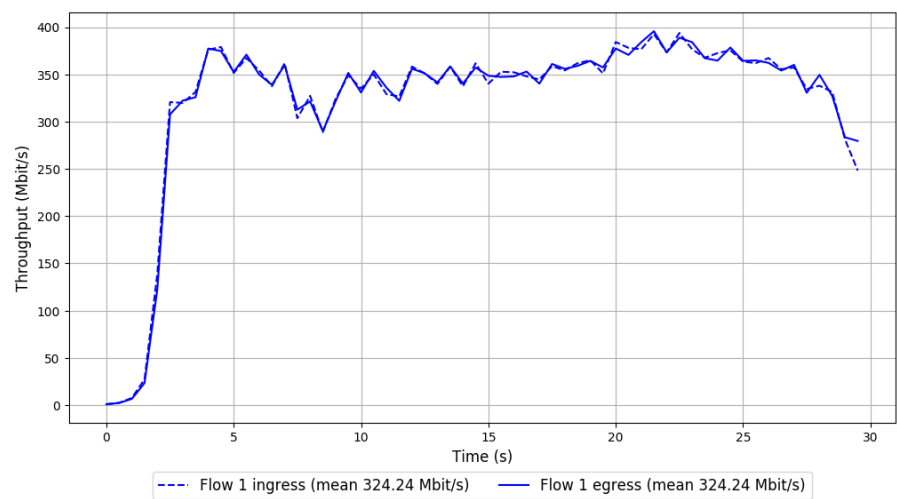
-- Flow 1:

Average throughput: 324.24 Mbit/s

95th percentile per-packet one-way delay: 50.468 ms

Loss rate: 0.00%

Run 10: Report of Vivace-loss — Data Link

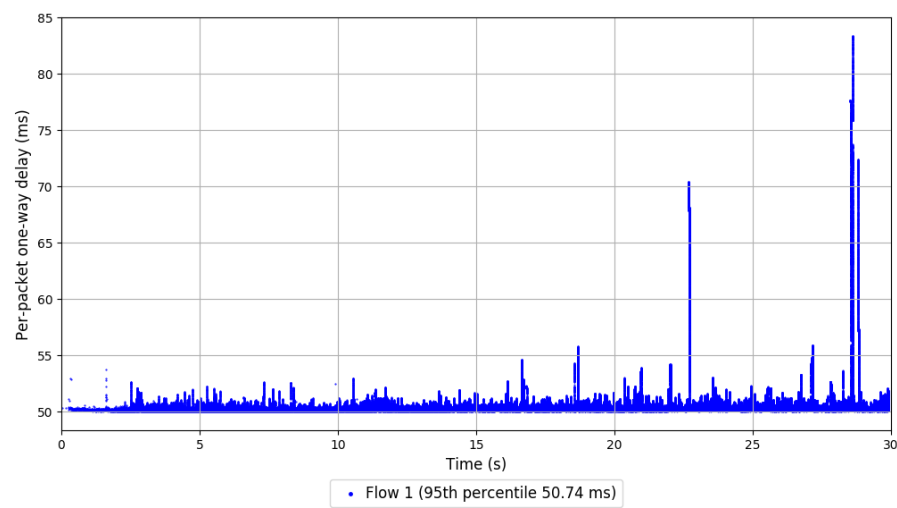
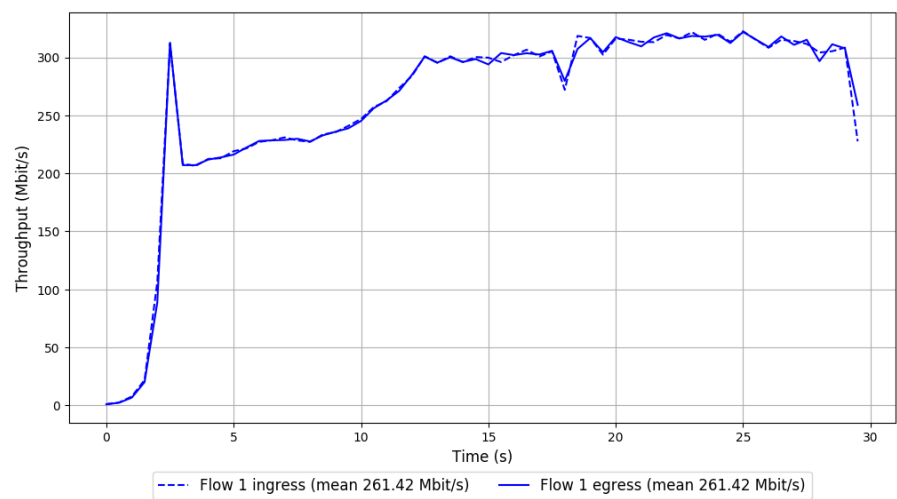


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-27 17:02:33
End at: 2018-02-27 17:03:03

# Below is generated by plot.py at 2018-02-27 23:52:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.42 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.42 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-27 17:17:01

End at: 2018-02-27 17:17:31

Below is generated by plot.py at 2018-02-27 23:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.53 Mbit/s

95th percentile per-packet one-way delay: 50.647 ms

Loss rate: 0.00%

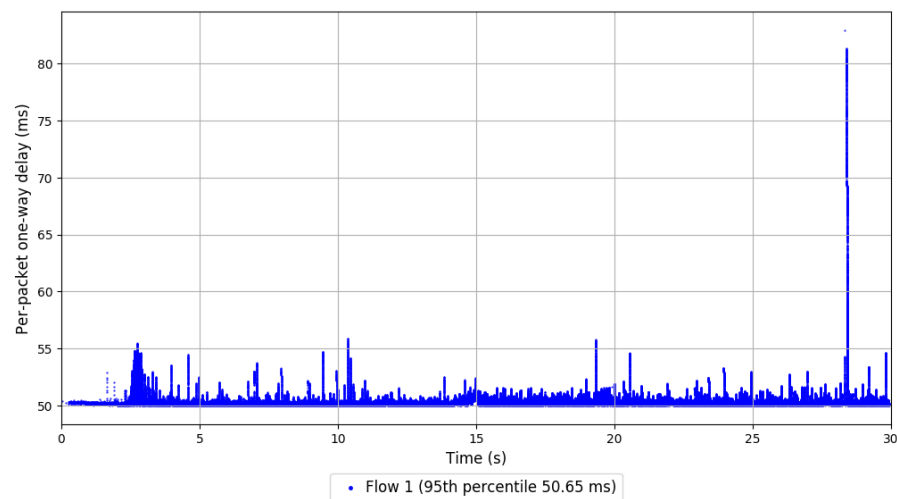
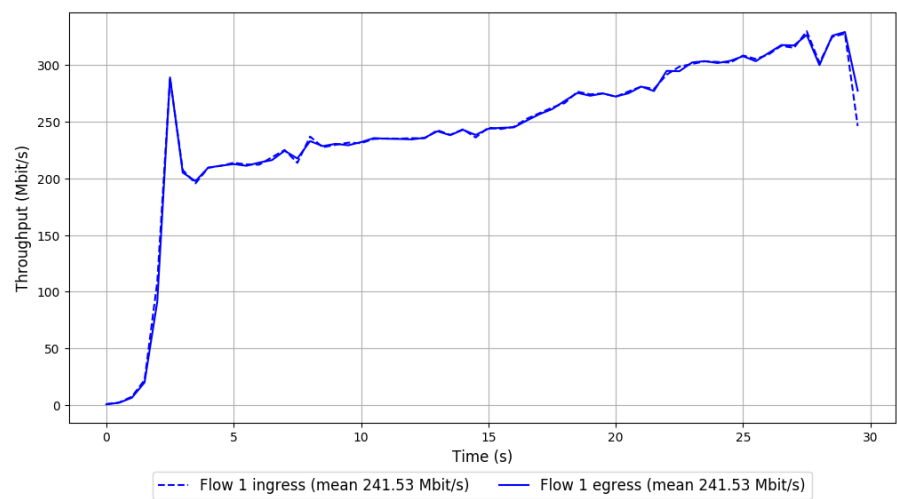
-- Flow 1:

Average throughput: 241.53 Mbit/s

95th percentile per-packet one-way delay: 50.647 ms

Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-27 17:31:32

End at: 2018-02-27 17:32:02

Below is generated by plot.py at 2018-02-27 23:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.23 Mbit/s

95th percentile per-packet one-way delay: 52.781 ms

Loss rate: 0.00%

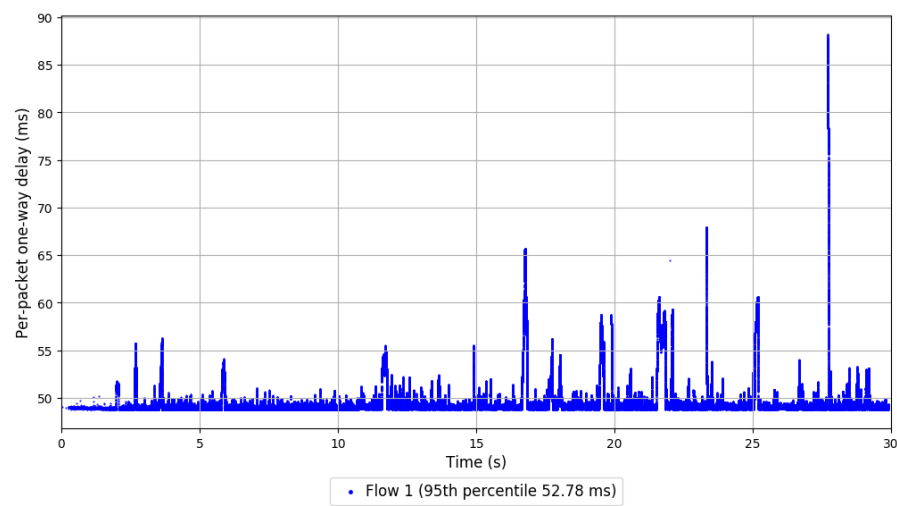
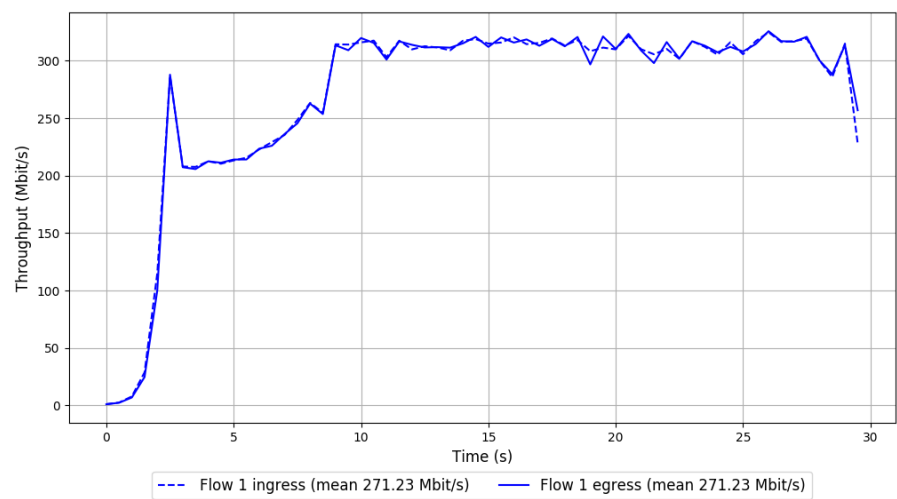
-- Flow 1:

Average throughput: 271.23 Mbit/s

95th percentile per-packet one-way delay: 52.781 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-27 17:46:05

End at: 2018-02-27 17:46:35

Below is generated by plot.py at 2018-02-27 23:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.13 Mbit/s

95th percentile per-packet one-way delay: 51.027 ms

Loss rate: 0.00%

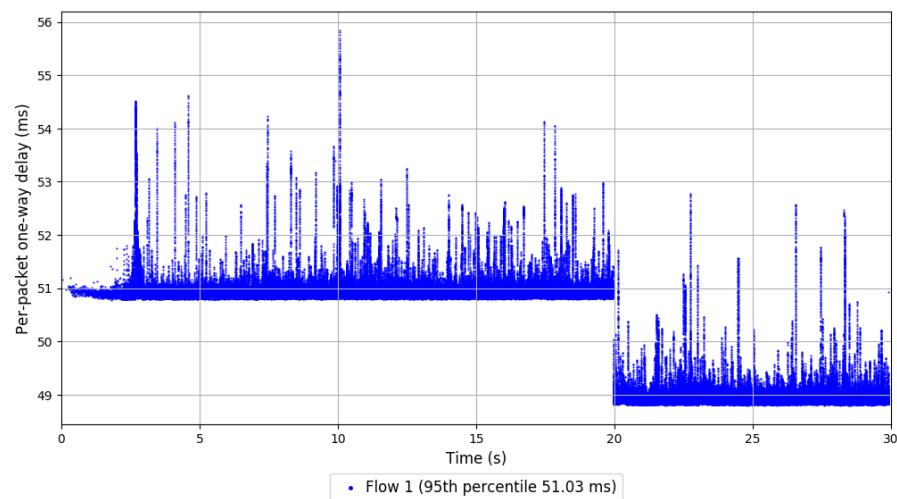
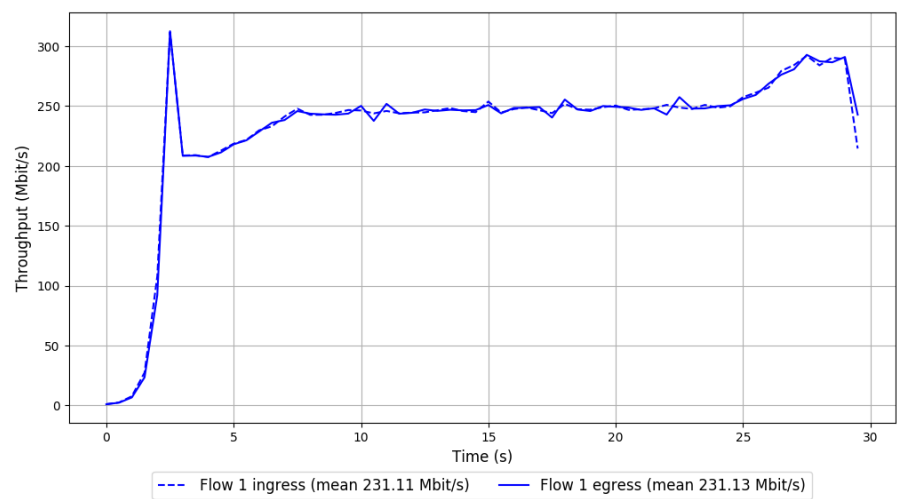
-- Flow 1:

Average throughput: 231.13 Mbit/s

95th percentile per-packet one-way delay: 51.027 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-27 18:00:27

End at: 2018-02-27 18:00:58

Below is generated by plot.py at 2018-02-27 23:54:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.41 Mbit/s

95th percentile per-packet one-way delay: 51.807 ms

Loss rate: 0.00%

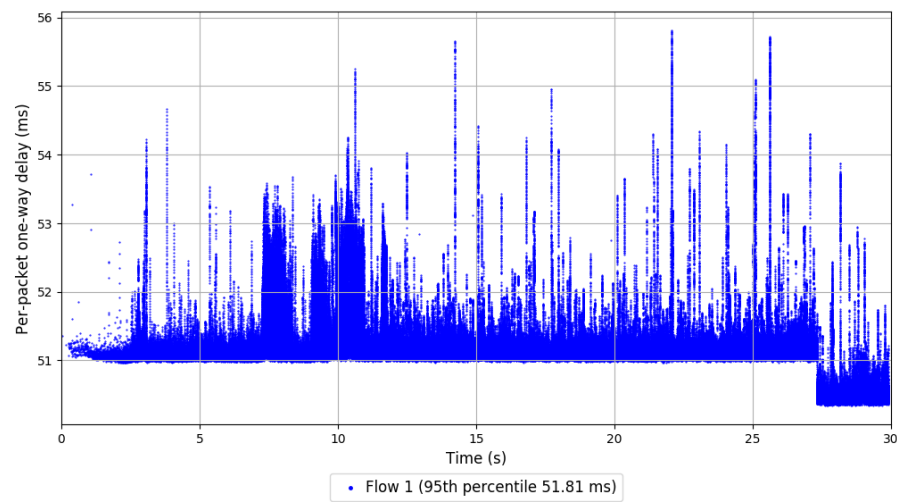
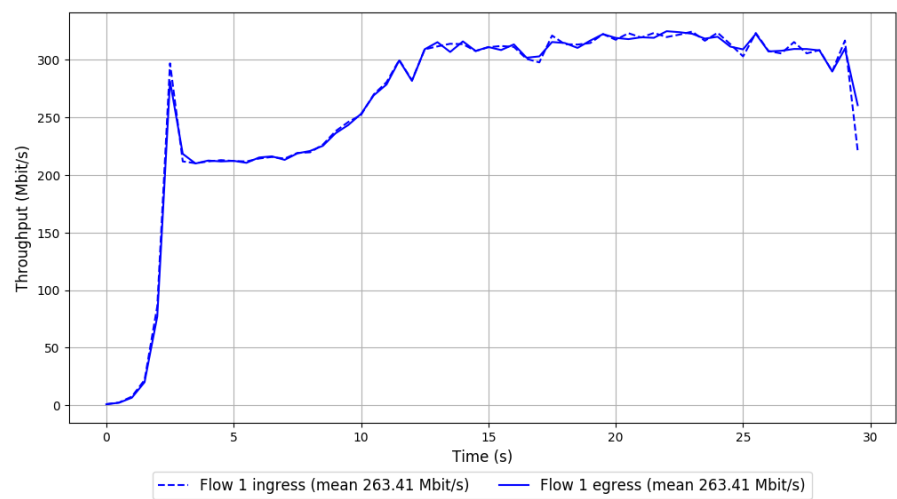
-- Flow 1:

Average throughput: 263.41 Mbit/s

95th percentile per-packet one-way delay: 51.807 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-27 18:14:55

End at: 2018-02-27 18:15:26

Below is generated by plot.py at 2018-02-27 23:55:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.59 Mbit/s

95th percentile per-packet one-way delay: 50.696 ms

Loss rate: 0.00%

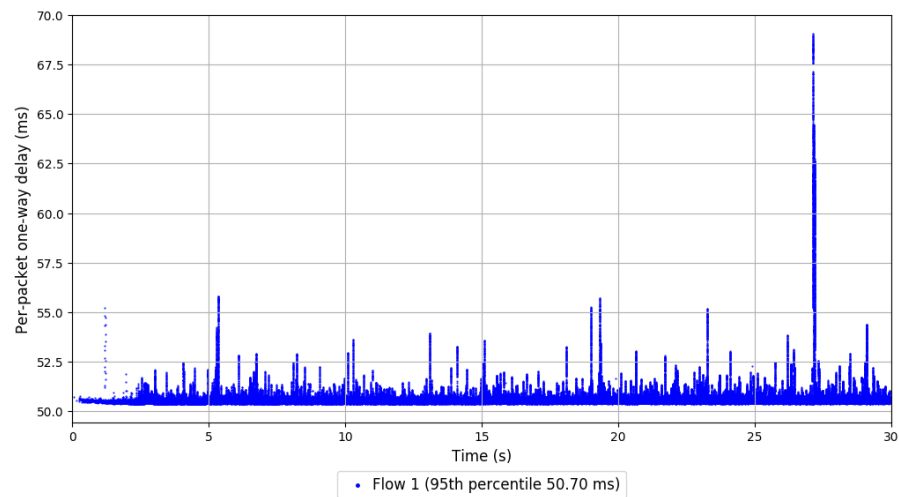
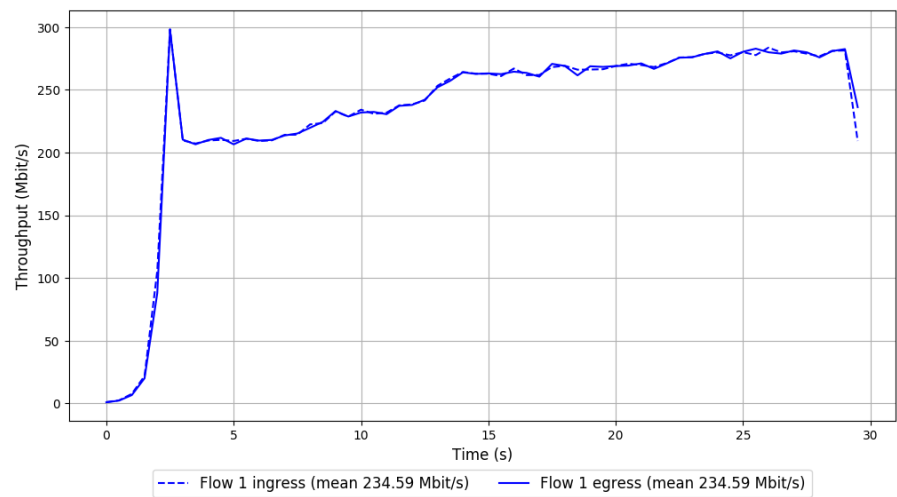
-- Flow 1:

Average throughput: 234.59 Mbit/s

95th percentile per-packet one-way delay: 50.696 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-27 18:29:21

End at: 2018-02-27 18:29:51

Below is generated by plot.py at 2018-02-27 23:55:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.12 Mbit/s

95th percentile per-packet one-way delay: 50.900 ms

Loss rate: 0.00%

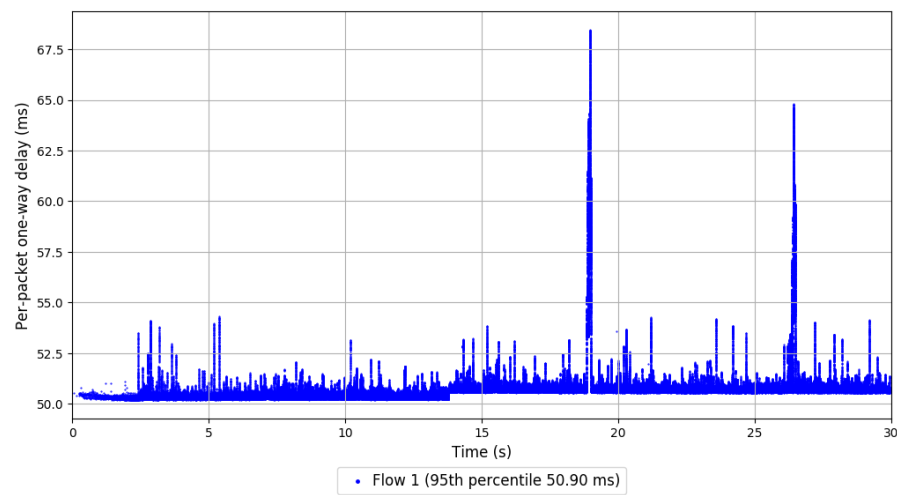
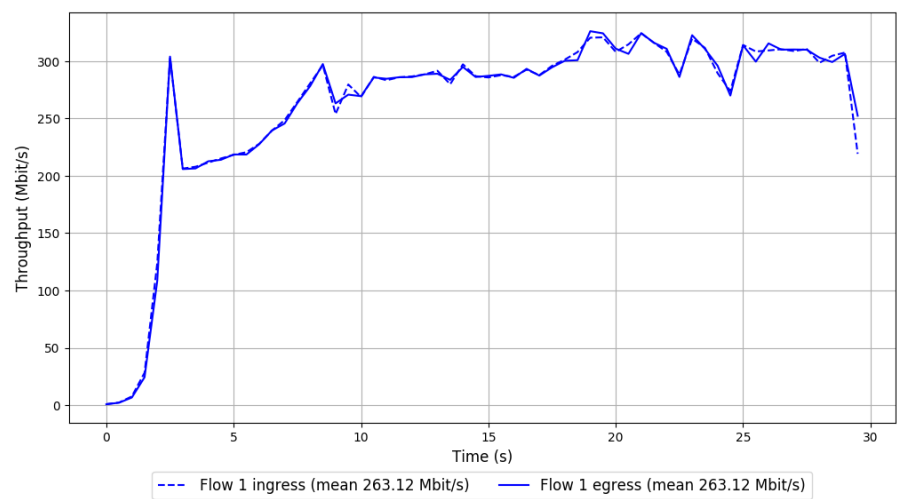
-- Flow 1:

Average throughput: 263.12 Mbit/s

95th percentile per-packet one-way delay: 50.900 ms

Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-27 18:43:57

End at: 2018-02-27 18:44:27

Below is generated by plot.py at 2018-02-27 23:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.95 Mbit/s

95th percentile per-packet one-way delay: 50.548 ms

Loss rate: 0.00%

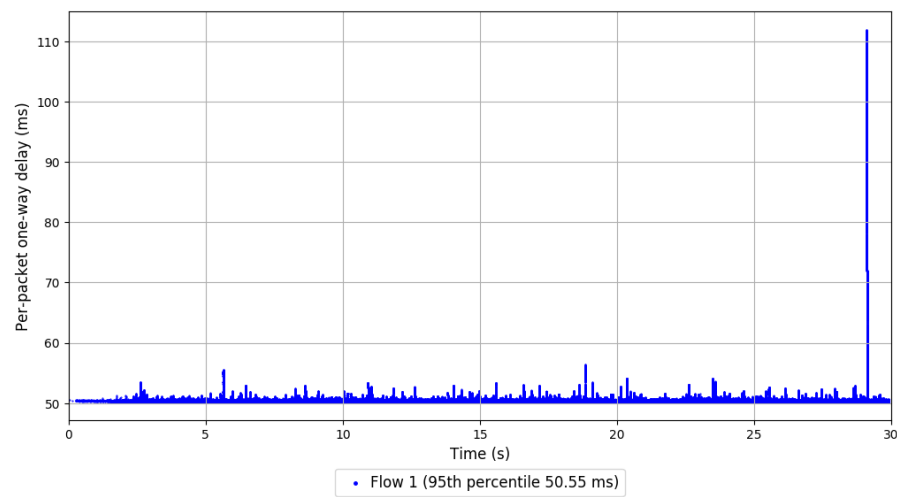
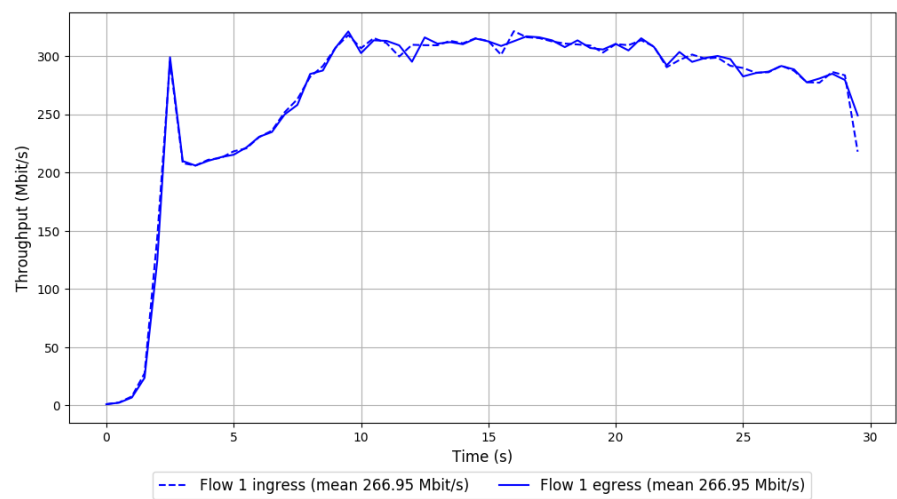
-- Flow 1:

Average throughput: 266.95 Mbit/s

95th percentile per-packet one-way delay: 50.548 ms

Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-27 18:58:32

End at: 2018-02-27 18:59:02

Below is generated by plot.py at 2018-02-27 23:57:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.23 Mbit/s

95th percentile per-packet one-way delay: 50.098 ms

Loss rate: 0.00%

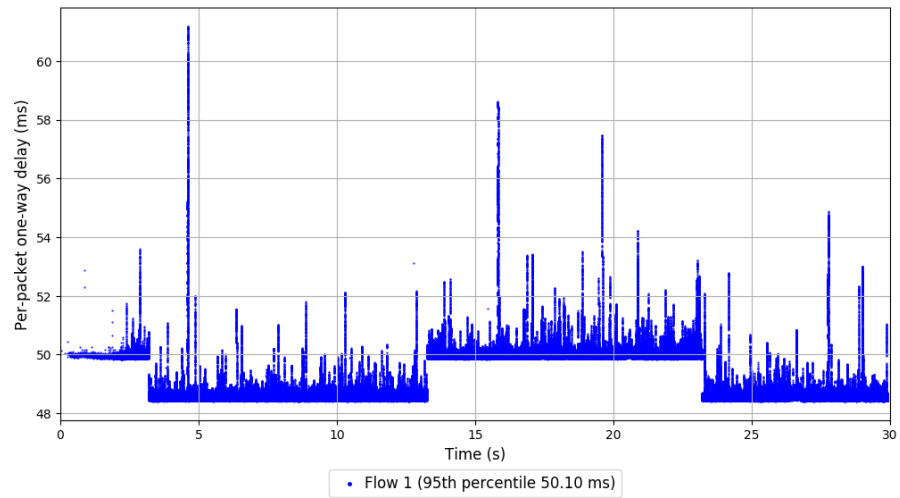
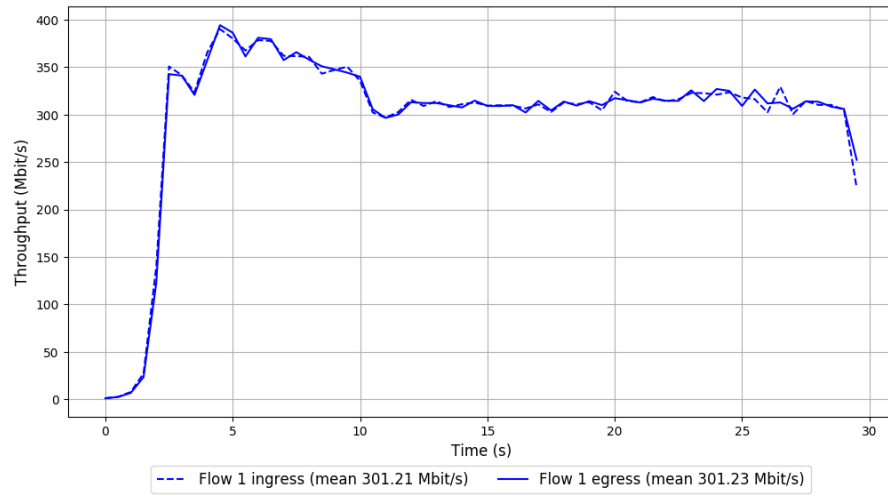
-- Flow 1:

Average throughput: 301.23 Mbit/s

95th percentile per-packet one-way delay: 50.098 ms

Loss rate: 0.00%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-27 19:13:10
End at: 2018-02-27 19:13:40

# Below is generated by plot.py at 2018-02-27 23:57:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 301.19 Mbit/s
95th percentile per-packet one-way delay: 50.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.19 Mbit/s
95th percentile per-packet one-way delay: 50.003 ms
Loss rate: 0.00%
```

Run 10: Report of Vivace-LTE — Data Link

